

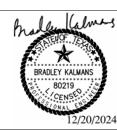
Addendum

Distribution		□ Consultant(s)	Bidders	☐ Other
From	Mariela Flores, AIA,NCARB Page Southerland Page, Inc. 1100 Louisiana, Suite One Houston, TX 77002		Owner	Cypress Fairbanks Independent School District
Project	2024 Cy Rio Renovation RFP 24-02-		Architect's Project No.	33AC23221
Date of Issue	20-Decemb	per-2024	Addendum No.	002
Contract For	General Co	nstruction	For Bids Due	9-January-2025

Seals







Description

ADDENDUM NO. 2, Issue for Proposals Drawings and Specifications dated December 9th, 2024 Cy Ridge HS Renovations; as prepared by PSP, 1100 Louisiana, Suite one, Houston, Texas

This ADDENDUM NO. 2 shall hereby be and become a part of the Documents the same as if originally bound thereto.

The following clarifications, amendments, additions, revisions, changes, and modifications change the original Contract Documents only in the amount and to the extent hereinafter specified and set forth in this ADDENDUM NO. 2.

Each Bidder shall acknowledge receipt of ADDENDUM NO. 2 in appropriate space on their bid

Technical Specifications - Project Manual

Section No.

AA - REQUEST FOR COMPETITIVE SEALED PROPOSALS 1.

- See attached Pre-proposal Conference Site Observation Sign-in sheet for meeting held on 12/17/2024 at 11:00 am at Cy Ridge High School.
- Proposal Date revised from Tuesday January 7, 2025 to Thursday January 9, 2025

AC - PROPOSAL FORMS

- Proposal Form Submission Date revised from Tuesday January 7, 2025 to Thursday January 9, 2025
- 09 84 33 SOUND-ABSORBING WALL UNITS 3.
- Add the attached specification in its entirety
- 10 73 26 ALUMINUM WALKWAY COVERING Replace the existing specification with the attached specification in its entirety
- 23 07 16 VESSEL INSULATION
 - Add the attached specification in its entirety
- 27 41 16.20 LOCAL SOUND REINFORCEMENT SYSTEMS
 - Replace this specification in its entirety
- 27 50 00 SCHOOL COMMUNICATIONS SYSTEM
 - Add the attached specification in its entirety



- 28 20 00 VIDEO SURVEILLANCE SYSTEM (VSS)
 - · Add the attached specification in its entirety

Drawings

ARCHITECTURAL SITE	L		
Sheet No.	Revision Date	Status	Sheet Title
AD-AS-101-1	12/20/24	REPLACE	ARCHITECTURAL DEMOLITION - ENLARGED ARCHITECTURAL SITE PLAN Dimensions and notes revised on detail 2
AS-101	12/20/24	REPLACE	ARCHITECTURAL - SITE PLAN Clouded portion of site, fencing, and gates were revised.
AS-101-4-2	12/20/24	REPLACE	ARCHITECTURAL - SITE PLAN - AREA 4 Clouded portion of site, fencing, and gates were revised.
AS-501-1	12/20/24	REPLACE	ARCHITECTURAL - SITE DETAILS, ELEVATIONS, ETC Clouded portion of site, fencing, and gates were revised.
			Dimensions and notes within clouded portion of detail 6 have been revised. The new ornamental force and gates have been
			The new ornamental fence and gates have been reconfigured and relocated.
			Detail 7 (ENLARGED SITE PLAN -AUDITORIUM STORAGE ADDITION) was added to sheet.
AS-501-2	12/20/24	REPLACE	ARCHITECTURAL - CONCESSION BLDG. Revised keynotes 149 and 1089 explaining scope of work New ice maker model # and bin model # added in keynote 1089.
AS-501-5	12/20/24	REPLACE	ARCHITECTURAL - DEMOLITION PRESSBOX PLAN Revised keynotes 899 explaining scope of work
			All press box ceilings and light fixtures on detail 7 are shown to be demolished.
AS-501-6	12/20/24	REPLACE	ARCHITECTURAL - DEMOLITION PRESSBOX ELEVATIONS Revised keynotes 899 explaining scope of work
AS-501-7	12/20/24	REPLACE	ARCHITECTURAL - PROPOSED PRESSBOX PLAN Revised keynotes 169 explaining scope of work (new scheduled ceiling and light fixtures at all press boxes).
AS-501-8	12/20/24	REPLACE	ARCHITECTURAL - PROPOSED PRESSBOX ELEVATIONS Revised keynotes 145 explaining scope of work (new scheduled ceiling and light fixtures at all press boxes).

Printed 12/20/24



AD-101-A	12/20/24	REPLACE	ARCHITECTURAL - DEMOLITION PLAN - LEVEL 01 - AREA A Door removed from scope
AD-101-D	12/20/24	REPLACE	ARCHITECTURAL - DEMOLITION PLAN - LEVEL 01 - AREA D Added keynotes
AD-101-F	12/20/24	REPLACE	ARCHITECTURAL - DEMOLITION PLAN - LEVEL 01 - AREA F Added keynotes
A-101-A	12/20/24	REPLACE	ARCHITECTURAL - FLOOR PLAN - LEVEL 01 - AREA A Adjusted graphics
A-101-B	12/20/24	REPLACE	ARCHITECTURAL - FLOOR PLAN - LEVEL 01 - AREA B Removed keynotes
A-101-F	12/20/24	REPLACE	ARCHITECTURAL - FLOOR PLAN - LEVEL 01 - AREA F Revised keynote
A-101-G	12/20/24	REPLACE	ARCHITECTURAL - FLOOR PLAN - LEVEL 01 - AREA G Added window tags and keynotes
A-101-K	12/20/24	REPLACE	ARCHITECTURAL - FLOOR PLAN - LEVEL 01 - AREA G Revised window tag
A-214	12/20/24	REPLACE	ARCHITECTURAL - INTERIOR ELEVATIONS Revised Casework
A-216	12/20/24	REPLACE	ARCHITECTURAL - INTERIOR ELEVATIONS Revised Casework
A-217	12/20/24	REPLACE	ARCHITECTURAL - INTERIOR ELEVATIONS Revised Casework
A-218	12/20/24	REPLACE	ARCHITECTURAL - INTERIOR ELEVATIONS Revised Casework
A-219	12/20/24	REPLACE	ARCHITECTURAL - INTERIOR ELEVATIONS Revised Casework
A-221	12/20/24	REPLACE	ARCHITECTURAL - INTERIOR ELEVATIONS Revised Casework and finish tag
A-222	12/20/24	REPLACE	ARCHITECTURAL - INTERIOR ELEVATIONS Revised Casework and finish tag
A-225	12/20/24	REPLACE	ARCHITECTURAL - INTERIOR ELEVATIONS Revised Elevations
A-226	12/20/24	REPLACE	ARCHITECTURAL - INTERIOR ELEVATIONS Revised Elevations
A-301	12/20/24	REPLACE	ARCHITECTURAL – BUILDING SECTIONS Revised Building Section
A-313	12/20/24	REPLACE	ARCHITECTURAL – WALL SECTIONS Revised Wall Section



A-401	12/20/24	REPLACE	ARCHITECTURAL - TYPICAL ENLARGED PLANS- RECEPTION DESK Added finish tags
A-501	12/20/24	REPLACE	ARCHITECTURAL – EXTERIOR SECTIONS DETAILS Revised head frame detail
A-502	12/20/24	REPLACE	ARCHITECTURAL – EXTERIOR SECTIONS AND ROOF DETAILS Revised roof edge detail – Fine Arts
A-641	12/20/24	REPLACE	ARCHITECTURAL - SIGNAGE PLAN - LEVEL 01 Revised schedule
A-681	12/20/24	REPLACE	ARCHITECTURAL - INTERIORS FINISH SCHEDULE Revised finishes
A-702	12/20/24	REPLACE	ARCHITECTURAL CASEWORK DETAILS Revised Casework Detail
A-706	12/20/24	REPLACE	ARCHITECTURAL CASEWORK DETAILS Revised Casework Details
AI-101-A	12/20/24	REPLACE	ARCHITECTURAL - INTERIOR FINISH PLAN - LEVEL 01 - AREA A Revised equipment position Revised finish floor legend
Al-101-G	12/20/24	REPLACE	ARCHITECTURAL - INTERIOR FINISH PLAN - LEVEL 01 - AREA G Revised finishes
CIVIL			
C2.01	12/20/24	REPLACE	CIVIL – GRADING PLAN Added bump out of sidewalk at proposed door for proposed canopy.
			Added fence and gates at southeast corner of proposed Fine Arts addition.
			Added grate inlet and revised grading in area accordingly.
C3.01	12/20/24	REPLACE	CIVIL – UTILITY PLAN (SHEET 1 OF 3) Added grate inlet east of proposed to Fine Arts addition to accommodate storm drainage.
			Added fence and gate in area at southeast corner of proposed Fine Arts Addition.
C5.03	12/20/24	REPLACE	CIVIL – PAVING AND JOINTING PLAN (SHEET 3 OF 3) Added bump out of sidewalk at proposed door eastside of the Fine Arts addition for proposed canopy and revised paving and joint accordingly.
			Added fence and gate in area at southeast corner of proposed Fine Arts addition.
MEPT			
M-301	12/20/2024	REPLACE	MECHANICAL ENLARGED PLANS Refer to revised sheet.



M-404	12/20/2024	REPLACE	MECHANICAL PIPING DIAGRAM - HOT WATER
M-601	12/20/2024	REPLACE	MECHANICAL SCHEDULES Refer to revised sheet.
E-302-B	12/20/2024	REPLACE	ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - AREA B Refer to revised sheet.
E-303-C	12/20/2024	REPLACE	ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - AREA C Refer to revised sheet.
E-304-D	12/20/2024	REPLACE	ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - AREA D Refer to revised sheet.
E-305-E	12/20/2024	REPLACE	ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - AREA E Refer to revised sheet.
E-306-F	12/20/2024	REPLACE	ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - AREA F Refer to revised sheet.
E-307-G	12/20/2024	REPLACE	ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - AREA G Refer to revised sheet.
E-311-K	12/20/2024	REPLACE	ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - AREA K Refer to revised sheet.
E-312-A	12/20/2024	REPLACE	ELECTRICAL POWER FLOOR PLAN - LEVEL 2 - AREA A Refer to revised sheet.
E-313-B	12/20/2024	REPLACE	ELECTRICAL POWER FLOOR PLAN - LEVEL 2 - AREA B Refer to revised sheet.
E-314-C	12/20/2024	REPLACE	ELECTRICAL POWER FLOOR PLAN - LEVEL 2 - AREA C Refer to revised sheet.
E-315-D	12/20/2024	REPLACE	ELECTRICAL POWER FLOOR PLAN - LEVEL 2 - AREA D Refer to revised sheet.
E-316-E	12/20/2024	REPLACE	ELECTRICAL POWER FLOOR PLAN - LEVEL 2 - AREA E Refer to revised sheet.
E-318-G	12/20/2024	REPLACE	ELECTRICAL POWER FLOOR PLAN - LEVEL 2 - AREA G Refer to revised sheet.
E-319-H	12/20/2024	REPLACE	ELECTRICAL POWER FLOOR PLAN - LEVEL 2 - AREA H Refer to revised sheet.
E-321-J	12/20/2024	REPLACE	ELECTRICAL POWER FLOOR PLAN - LEVEL 2 - AREA J Refer to revised sheet.
E-322-K	12/20/2024	REPLACE	ELECTRICAL POWER FLOOR PLAN - LEVEL 2 - AREA K

Printed 12/20/24



			Refer to revised sheet.
E-402	12/20/2024	REPLACE	ELECTRICAL ENLARGED FLOOR PLANS - LEVEL 1 Refer to revised sheet.
E-403	12/20/2024	REPLACE	ELECTRICAL ENLARGED FLOOR PLANS - LEVEL 2 Refer to revised sheet.
E-500	12/20/2024	REPLACE	ELECTRICAL DEMOLITION ONE-LINE Refer to revised sheet.
E-501	12/20/2024	REPLACE	ELECTRICAL DEMOLITION EMERGENCY ONE- LINE Refer to revised sheet.
E-502	12/20/2024	REPLACE	ELECTRICAL NEW ONE-LINE Refer to revised sheet.
E-503	12/20/2024	REPLACE	ELECTRICAL NEW EMERGENCY ONE-LINE Refer to revised sheet.
E-601	12/20/2024	REPLACE	ELECTRICAL PANEL SCHEDULES Refer to revised sheet.
E-602	12/20/2024	REPLACE	ELECTRICAL PANEL SCHEDULES Refer to revised sheet.
E-603	12/20/2024	REPLACE	ELECTRICAL PANEL SCHEDULES Refer to revised sheet.
E-604	12/20/2024	REPLACE	ELECTRICAL PANEL SCHEDULES Refer to revised sheet.
E-605	12/20/2024	REPLACE	ELECTRICAL PANEL SCHEDULES Refer to revised sheet.
E-606	12/20/2024	REPLACE	ELECTRICAL PANEL SCHEDULES Refer to revised sheet.
E-607	12/20/2024	REPLACE	ELECTRICAL PANEL SCHEDULES Refer to revised sheet.
E-608	12/20/2024	REPLACE	ELECTRICAL PANEL SCHEDULES Refer to revised sheet.
T-000	12/20/2024	REPLACE	TECHNOLOGY NOTES AND LEGENDS Refer to revised sheet.
T-101	12/20/2024	REPLACE	TECHNOLOGY COMPOSITE FLOOR PLANS Refer to revised sheet.
T-211-K	12/20/2024	REPLACE	T-211-K - TECHNOLOGY FLOOR PLAN – LEVEL 1 – AREA K Refer to revised sheet.

END OF ADDENDUM

This Addendum is hereby incorporated into the Contract Documents for the Project referenced above, modifying and superseding any previously issued Contract Documents. Bidders must acknowledge receipt of **Addendum 2** in the bid form.

DOCUMENT AA

REQUEST FOR COMPETITIVE SEALED PROPOSALS

Competitive Sealed Proposals for the work described below in accordance with Proposal Documents and addenda as may be issued prior to date of proposal opening will be received by the Board of Trustees, Cypress-Fairbanks Independent School District, until proposal closing date and time, as identified below. Proposals from Offerors will then be opened in public and read aloud.

OWNER: Cypress-Fairbanks Independent School District

> 11440 Matzke Rd. Cypress, Texas 77429

Representative: Mr. Jesse Clayburn, Assistant Supt. of Facilities and Construction

ARCHITECT: Page Architects

1100 Louisiana Street, Suite One

Houston, Texas 77002

PROJECT: 2024 Cy Ridge HS Renovation

CFISD Proposal Number: 24-02-5752R-RFP

LOCATION: 7900 N. Eldridge Pkwy., Houston, Texas 77041

PROPOSED CONSTRUCTION BUDGET: \$29,013,973.22

PRE-PROPOSAL

CONFERENCE: Monday, December 16, 2024, at 2:00 PM at Cypress-Fairbanks Independent School

District, Facilities & Construction Conference Room, 11430-B Perry Road, Houston, Texas 77064. Representatives of the Architect and Owner will be present at this meeting.

All offerors are encouraged to attend.

PROPOSAL DATE

AND TIME:

Base Proposal: 2:00 PM

Alternate Proposal: 3:00 PM

LOCATION OF

Cypress-Fairbanks Independent School District

PROPOSAL Facilities and Construction **OPENING:**

11430-B Perry Road Houston, Texas 77064

Thursday January 9, 2025

(281) 897-4108

Proposal Documents will be available on/after **Monday, December 9, 2024**. General Contractor Offerors may obtain two (2) sets of drawings and specifications at the place identified below upon deposit of \$100.00 per set with check made payable to **Page Architects**. The deposit will be returned when the Plans and Specifications are returned in good condition. Additionally, General Contractor Offerors must submit of a fully executed AIA Document A305, Contractor's Qualification Statement to the office of the Architect at the time proposal documents are obtained.

In addition, proposal documents can be reviewed at the following locations:

ISqFt Plan Room (AGC) 8450 Westpark, Ste. 100 Houston, Texas 77063

Ph: (713) 843-3700 Fx: (713) 843-3701

McGraw-Hill Construction/ Dodge Data & Analytics www.dodgeplans.construction.com or contact Toni.Lawson@construction.com Ph: (281) 460-5730

Office of Page Architects

FULL REFUND: Deposits will be returned provided all Contract Documents and addenda are returned to the Architect complete with all sheets bound in their original order within ten (10) days of the opening of proposals.

FORFEIT OF DEPOSIT: When the Documents are not returned under the conditions specified, none of the deposit will be returned. However, the Documents shall remain the property of the Owner and must be returned.

All proposals must be in the hands of the Owner no later than the time specified above. Please seal all proposals in duplicate in an envelope with the following information on the face of the envelope.

Name of Offeror (General Contractor)

2024 Cy Ridge HS Renovation

Cypress Fairbanks Independent School District

Cypress-Fairbanks I.S.D. Proposal Number: 24-02-5752R-RFP

(Name of Bonding Company)

Attn: Mr. Jesse Clayburn, Assistant Supt. of Facilities and Construction

The Owner reserves the right to reject any and all proposals and to waive any informality in the Competitive Sealed Proposal process. No proposal shall be withdrawn within sixty (60) days after the proposal opening without the specific consent of the Owner. Refer to Offerors Section Document AB.

SELECTION CRITERIA: Selection criteria are included in Document AB of the Project Manual and Selection Criteria and are available on request by perspective Offerors from the office of the Architect.

PROPOSAL BOND: A Proposal Bond from a bonding company acceptable to the Owner or a certified check in an amount equal to 10% of the greatest amount proposed must accompany each offeror's proposal.

PAYMENT BOND AND PERFORMANCE BOND: A Payment Bond and Performance Bond, each in an amount equal to 100% of the Contract Sum conditioned upon the faithful performance of the Contract will be required. Refer to Section AB, Instructions to Offerors for detailed Bond requirements.

The prevailing rates of wages as stipulated in the Supplementary Conditions here within are the minimums that must be paid in conformance with all applicable laws of the State of Texas.

All Offerors (General Contractors) submitting proposals are encouraged to attend the proposal opening and visit the Project site.

Subcontractors and Suppliers intending to submit proposals to General Construction Offerors are required to prepare their proposals based on a complete set of proposal documents. If after reviewing the complete set of proposal documents, Subcontractors and Supplier Offerors desire to purchase individual drawings and specification sections for their proposal convenience, they may do so by ordering the specific drawings and specifications directly from the reproduction company. Each offeror purchasing a partial set of proposal documents is responsible for determining exactly which documents he requires and is responsible for all costs associated with printing and delivery. Subcontractors and Suppliers exercising this option must agree to do so on the basis that 1) all documents shall be returned to the Architect, without refund, after submitting a proposal and 2) documents shall not be used on other construction projects. Successful Subcontractors and Supplier Offerors may retain their Proposal Documents until completion of the construction. The subcontractor/supplier is responsible for all the associated work and coordination when not obtaining a complete set of drawings.

END OF DOCUMENT

TEL 713 871 8484 FAX 713 871 8440 Page Southerland Page, Inc. 1100 Louisiana, Suite One Houston, Texas 77002 pagethink,com

Meeting Sign-in Sheet

Project	2024 Cy Ridge HS Renovations	Project No.	RFP# 24-02-5752-R-RFP
Client	CFISD - Pre-Proposal Conference - site observation	Location	CFISD Facilities Department
Date	December 17, 2024	Time	11:00 am

Attendees

Present	Name	Company	Phone	E-mail		Hoterta
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FORM AC COMPETITIVE SEALED PROPOSAL FORM - BASE PROPOSAL

Page Architects

Project No. 33AC23221

2024 CY RIDGE HS RENOVATION

Cypress-Fairbanks Independent School District Cypress-Fairbanks I.S.D. Proposal Number: 24-02-5752R-RFP

Attn: Mr. Jesse Clayburn, Asst. Superintendent of Facilities & Construction

Submi	tted by:_					
Date:_		Phone No.	:			
To:	Cypre Facili 11430	d of Trustees ess-Fairbanks Independent School District ities and Construction O-B Perry Road ton, Texas 77064				
exami	ned site	ned Proposal and Contract Documents prepared by Page Arc conditions, the undersigned proposes to furnish all labor, equition of the above-named project for the sum indicated below	uipment and materials and perform all work			
	In sub 1. 2.	omitting his Proposal, the undersigned agrees to the followin Hold Base Proposal open for acceptance sixty (60) days. Accept right of Owner to reject any or all proposals, to w Owner considers most advantageous. Enter into and execute the contract, if awarded, for the Base	aive formalities and to accept proposal which			
	4. 5.	Complete work in accordance with the Contract Docume By signing, the undersigned affirms that, to the best of his at independently and is submitted without collusion with favoritism that would in any way limit competition or gether award of this proposal.	ents within the stipulated contract time. Is knowledge, the Proposals have been arrived the anyone to obtain information or gain any			
I.	BASE PROPOSAL					
	A.	Undersigned agrees to complete the Work for the lump s	um amount of:			
			Dollars \$(Amount in figures)			
		(Amount written in words governs)	(Amount in figures)			
II.	ALL	OWANCES				

III. CONTRACT TIME

By submittal of this proposal, the undersigned stipulates that the Base Proposal includes all costs necessary to attain Substantial Completion of the Work on or before the date stipulated in AIA Document A101TM_2017.

Undersigned certifies that the allowances specified in Section 01 21 00 are included in the Base Proposal and agrees that unexpended balance of allowance sums will revert to Owner in the final settlement of the contract.

IV. ADDENDA	
Undersigned acknowledges receipt of Addenda Nos	dated
V. CHANGES IN THE WORK	·
Undersigned understands that changes in the work shall be perfoleomorphisms.	ormed in accordance with the Supplementary
VI. LIQUIDATED DAMAGES	
By submittal of this proposal, the undersigned stipulates an agree Work is not attained on or before the date stipulated in AIA Docu Surety shall be liable for and shall pay the Owner the sums stipulated Document A201 TM —2017.	ument A101 TM –2017, the undersigned and his
It is understood that the right is reserved by the Owner to reject any or al proposal process.	l proposals, or waive any informalities in the
	Authorized Signature
	Printed Name
	Title
(Seal, if a Corporation) State whether Corporation,	
Partnership or Individual	Name of Contracting Firm
	Address
	Telephone
	Date

FORM AC COMPETITIVE SEALED PROPOSAL FORM - ALTERNATE PROPOSALS

2024 CY RIDGE HS RENOVATION

Cypress-Fairbanks Independent School District Cypress-Fairbanks I.S.D. Proposal Number: 24-02-5752R-RFP

Attn: Mr. Jesse Clayburn, Asst. Superintendent of Facilities & Construction

Submit	ted by	y:						
Date:_		Phone	9 No.:					
То:	Board of Trustees Cypress-Fairbanks Independent School District Facilities and Construction 11430-B Perry Road Houston, Texas 77064							
examin	ed sit	nined Proposal and Contract Documents prepared by Page te conditions, the undersigned proposes to furnish all laboraletion of the above-named project for the sum indicated be	or, equipment and materials and perform all work					
In subn	1. 2. 3. 4. 5.	g his Proposal, the undersigned agrees to the following: Hold Alternate Proposal open for acceptance one hu Accept right of Owner to reject any or all proposals, Owner considers most advantageous. Enter into and execute the contract, if awarded, for th Complete work in accordance with the Contract Doo By signing, the undersigned affirms that, to the best at independently and is submitted without collusion favoritism that would in any way limit competition the award of this proposal.	to waive formalities and to accept proposal which e Base Proposal and accepted Alternate Proposals. cuments within the stipulated contract time. of his knowledge, the Proposals have been arrived in with anyone to obtain information or gain any					
I.	AL	TERNATES						
		he Owner accepts any or all of the Alternates, the underulated below:	ersigned agrees to modify the Base Proposal as					
	A.	Alternate Number 1 – Base Bid Adjustment						
		ADD/DEDUCT(Amount written in words governs)	Dollars \$ (Amount in figures)					
	B.	Alternate Number 2A – <i>Chillers by Carrier</i>						
		ADD/DEDUCT(Amount written in words governs)	Dollars \$(Amount in figures)					
	C.	Alternate Number 2B – <i>Chillers by Daikin</i>						
		ADD/DEDUCT(Amount written in words governs)	Dollars \$(Amount in figures)					

THIS PAGE OF PROPOSAL FORM MUST BE SUBMITTED BY 3:00 PM, January 9, 2025 COMPETITIVE SEALED PROPOSAL FORM - ALTERNATE PROPOSAL

D.	Alternate Number 2C – <i>Chillers by Daikin</i>	
	ADD/DEDUCT	Dollars \$
	(Amount written in words governs)	(Amount in figures)
E.	Alternate Number 2D – <i>Chillers by Trane</i>	
	ADD/DEDUCT	Dollars \$
	(Amount written in words governs)	(Amount in figures)
F.	Alternate Number 3A – Two Cell Counterflow Cooling Tower by Evapco	
	ADD/DEDUCT	Dollars \$
	(Amount written in words governs)	(Amount in figures)
G.	Alternate Number 3B – <i>Three Cell Counterflow Cooling Tower by Evapco</i>	
	ADD/DEDUCT	Dollars \$
	(Amount written in words governs)	(Amount in figures)
Н.	Alternate Number 3C – Two Cell Counterflow Cooling Tower by Marley	
	ADD/DEDUCT	Dollars \$
	(Amount written in words governs)	(Amount in figures)

II. UNIT PRICES

If the Owner accepts any or all of the Alternates, the undersigned agrees to add or subtract the following units of work:

UNIT PRICE 1: ELECTRICAL DUPLEX RECEPTACLE

Provide unit price for a new 20A, 120V duplex electrical receptacle and cover plate, flush mounted in a CMU, metal stud, or demountable wall construction, circuited to an existing electrical panel within 150 feet of the outlet using a branch circuit consisting of 2 #10 AWG and 1 #10 AWG ground in 3/4-inch EMT conduit. All conduits to be concealed in wall construction. Unit price shall include a 20-amp circuit breaker to be installed in existing panel space.

UNIT PRICE 2: DATA DROP

Provide unit price for a data drop, flush mounted in a CMU, metal stud or demountable wall construction., wired to an IDF/MDF Room. The data drop shall consist of a single gang wall box, cabling wiring device, cover plate, 3/4-inch conduit from outlet to above accessible ceiling, plenum-rated cabling routed above accessible ceiling to the nearest MDF or IDF location within 250 feet of the outlet. Termination and testing to be included in the unit price.

UNIT PRICE 3: 41/2" THICK CONCRETE WALK PER SQUARE FOOT

This unit cost shall establish the amount to the contract price for the Contractor to add or deduct 4 1/2" thick concrete walk (minimum 100 SF) per Square Foot.

UNIT PRICE 4: 7" THICK CONCRETE DRIVE PER SQUARE FOOT

This unit cost shall establish the amount to the contract price for the Contractor to add or deduct 7" thick concrete drive (minimum 100 SF) per Square Foot.

UNIT PRICE 5: CONCRETE SLAB PER SQUARE FOOT

This unit cost shall establish the amount to the contract price for the Contractor to add or deduct 7" thick concrete drive (minimum 100 SF) per Square Foot.

UNIT PRICE 6: DEMO CONCRETE SLAB PER SQUARE FOOT

This unit cost shall establish the amount to the contract price for the Contractor to add or deduct 7" thick concrete drive (minimum 100 SF) per Square Foot.

THIS PAGE OF PROPOSAL FORM MUST BE SUBMITTED BY 3:00 PM, January 9, 2025 COMPETITIVE SEALED PROPOSAL FORM - ALTERNATE PROPOSAL

UNIT PRICE 7: LIFE SAFETY DEVICES (including all associated cabling and programming)

This unit cost shall establish the amount to be added or deducted from the contract price for the Contractor to add /deduct Fire Alarm devices.

1.	Exterior Horn to Speaker	\$ each
2.	Interior Horn to Speaker	\$ each
3.	Interior Visual Strobe	\$ each
4.	Interior Speaker/Visual Strobe	\$ each
5.	Smoke Detector	\$ each
6.	Heat Detector	\$ each
7.	Manual Pull Station	\$ each
8.	Stopper 2 Pull Station Cover	\$ each
9.	Annunciator Panel	\$ each
10	Duct Detector	\$ each
11	Relay	\$ each
12	Supervisory	\$ each
13	Waterflow	\$ each
14	Amplifier	\$ each
15	Remote Power Supply	\$ each

UNIT PRICE 8: GRAPHIC SIGNS

III.

This unit cost shall establish the amount to be added or deducted to the contract price for the Contractor to remove existing signage and install new as described below:

1.	Sign Type A	\$ _/	each
2.	Sign Type B	\$ _/	each
3.	Sign Type C	\$ _/	each
4.	Sign Type D	\$ _/	each
5.	Sign Type E	\$ _/	each
6.	Sign Type F	\$ _/	each
7.	Max Occupancy Signage	\$ _/	each
8.	FDC Connection Signage	\$ _/	each
9.	Wayfinding Signage (2 lines text)	\$ _/	each
10.	Wayfinding Signage (3 lines text)	\$ _/	each
11.	Wayfinding Signage (4 lines text)	\$ /	each

UNIT PRICE 9: PAINTING

This unit cost shall establish the amount to be added or deducted to the contract price for the Contractor to paint 100 square feet of wall (minimum 400 square feet of wall).

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UNIT PRICE 10: ASBESTOS ABATEMENT COMPONENTS

This unit cost shall establish the amount to be added or deducted to the contract price for the Contractor to add/deduct asbestos abatement components as described below:

No	o. Unit Price Description		Add(\$/Figures)	Unit of Measure
A	SB-1 Price per unit for the pr transportation, and disp ACBM Mirror Mastic. Completed in compliand and TAHPR regulations	posal of interior All work to be ce with AHERA		Individual Mirror
UNIT I	PRICE 11: EXIT SIGN			
	it cost shall establish the amount t ice shall include wiring to nearest a			install one (1) exit
This un	PRICE 12: ORNAMENTAL Flit cost shall establish the amount to tor to add/deduct ornamental fend	o be added or deducted f	from the contract price	for the
1.	6-foot-high fence	\$	/ linear foot	
2.	6-foot-high x 4-foot-wide gate	\$	/ per leaf	
3.	6-foot-high x 6-foot-wide gate	\$	/ per leaf	
	it cost shall establish the amount ting exterior glazing (minimum 200 Armoured One			
CONTRACTOR'S	PROJECT TEAM MEMBE	RS		
The undersigned pro	poses the following project tea	m members (include r	esumes):	
Project Ma	nager			
Superinten	dent			
Asst. Super	rintendent(s)			

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2024 Cy Ridge HS Rend	ovation
Cypress-Fairbanks Inde	pendent School District

Page Architects	
Project No. 33AC23221	

Project Engineer	
3	

III. PROPOSED SUBCONTRACTORS

project. Paving: Abatement: Dampproofing/insulator: Masonry: Roofing: Drywall: Casework: Concrete: Plumbing: Mechanical: Electrical: Fire Alarm: Sprinkler: Low Voltage/Security:__ Site Utilities:

The undersigned proposes the following subcontractors. Note – Not all trades listed below will apply to every

Earthwork/Site Prep:

Pre-Engineered Metal Building:

Glazing:___

It is understood that the right is reserved by the Owner to reproposal process.	eject any or all proposals, or waive any informalities in
	Authorized Signature
	Printed Name
(Seal, if a Corporation)	Title
State whether Corporation, Partnership or Individual	Name of Contracting Firm
	Address
	Telephone
	Date

END OF FORM

SECTION 09 84 33 - SOUND-ABSORBING WALL UNITS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes shop-fabricated, acoustical panel units tested for acoustical performance, including the following:
 - 1. Acoustic wood fiber wall panels.
- B. Related Sections:
 - 1. Section 06 10 00 "Rough Carpentry" for wood furring.
 - 2. Section 09 77 23 "Acoustical Wall Panels" for fabric-wrapped acoustical wall panels.

1.2 DEFINITIONS

- A. NRC: Noise Reduction Coefficient.
- B. SAA: Sound Absorption Average.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include panel edge, core material, and mounting indicated.
- B. Shop Drawings: For unit assembly and installation.
 - 1. Include plans, elevations, sections, and mounting devices and details.
 - Include details at panel head, base, joints, and corners. Indicate panel edge profile and core
 materials
 - 3. Include details at cutouts and penetrations for other work.
- C. Samples Wood Fiber Wall Panels:
 - 1. Panel Material: 18-inch- square Sample at corner.

1.4 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: Elevations and other details, drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of the items involved:
 - 1. Electrical outlets, switches, and thermostats.
 - 2. Items penetrating or covered by units including the following:
 - a. Lighting fixtures.
 - b. Air outlets and inlets.
 - c. Speakers.
 - d. Alarms.
 - e. Sprinklers.
 - f. Access panels.

- Page Project No. 33AC23221
- 3. Show operation of hinged and sliding components covered by or adjacent to units.
- B. Product Certificates: For each type of unit.
- C. Sample Warranty: For manufacturer's special warranty.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: For each type of unit to include in maintenance manuals.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Comply with manufacturer's written instructions for minimum and maximum temperature and humidity requirements for shipment, storage, and handling.
- B. Deliver materials and units in unopened bundles and store in a temperature-controlled dry place with adequate air circulation.

1.7 FIELD CONDITIONS

- A. Environmental Limitations: Do not install units until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, work at and above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
- B. Lighting: Do not install units until a permanent level of lighting is provided on surfaces to receive the units.
- C. Air-Quality Limitations: Protect units from exposure to airborne odors, such as tobacco smoke, and install units under conditions free from odor contamination of ambient air.
- D. Field Measurements: Verify unit locations and actual dimensions of openings and penetrations by field measurements before fabrication, and indicate them on Shop Drawings.

1.8 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace units and components that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to the following:
 - a. Acoustical performance.
 - b. Warping of core.
 - 2. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Source Limitations: Obtain wall units specified in this Section from single source from single manufacturer.

Page

2.2 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: Units shall comply with "Surface-Burning Characteristics" or "Fire Growth Contribution" Subparagraph below, or both, as determined by testing identical products by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:
 - 1. Surface-Burning Characteristics: Comply with ASTM E 84 or UL 723; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - a. Flame-Spread Index: 25 or less.
 - b. Smoke-Developed Index: 450 or less.
 - 2. Fire Growth Contribution: Comply with acceptance criteria of local code and authorities having jurisdiction when tested according to NFPA 265 Method B Protocol or NFPA 286.

2.3 WOOD FIBER ACOUSTICAL WALL PANELS

- A. Sound-Absorbing Wall Panel: Manufacturer's standard panel construction consisting of cementitious wood fiber panels with fiberglass plant-based binder infill.
 - 1. Basis-of-Design Product: Tectum Direct-Attach Walls as manufactured by Armstrong Ceilings; www.armstrongceilings.com.
 - 2. Panel Shape: Flat.
 - 3. Mounting: Mechanically-fastened to furring strips.
 - 4. Edge Profile: Long edges beveled, short edges square.
 - 5. Panel Thickness: 1 inch.
 - 6. Panel Size: Nom. 2 x 4 feet.
 - 7. Acoustical Performance: NRC of 0.80 with mounting method C-20.
 - 8. Panel Color: Black.
- B. Mounting: Manufacturer's mounting method C-20, fastened through face with countersunk flathead screws into wood furring. Space between furring strips filled with 1 inch thick, 3 pcf fiberglass insulation.
- C. Wood Furring: 3/4 inch thick fire resistance-treated wood furring strips in accordance with Section 06 10 00 "Rough Carpentry."
- D. Fasteners: Type recommended by manufacturer, exposed heads painted to match color of acoustic panels.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine fabricated units, substrates, areas, and conditions for compliance with requirements, installation tolerances, and other conditions affecting unit performance.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install wood furring, fiberglass insulation, and acoustic units securely to substrate in accordance with manufacturer's written instructions, using mounting method indicated.

B. Install units in locations and patterns indicated. Unless otherwise indicated, install units with vertical surfaces and edges plumb, top edges level and in alignment with other units, faces flush, and scribed to fit adjoining work accurately at borders and at penetrations.

3.3 INSTALLATION TOLERANCES

- A. Variation from Plumb and Level: Plus or minus 1/16 inch in 48 inches, noncumulative.
- B. Variation of Joint Width: Not more than 1/16-inch variation from hairline in 48 inches, noncumulative.

3.4 CLEANING

A. Clean panels on completion of installation to remove dust and other foreign materials according to manufacturer's written instructions.

END OF SECTION

SECTION 10 73 26 – ALUMINUM WALKWAY COVERINGS

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Prefabricated Aluminum walkway covers.

1.2 REFERENCES

- A. AAMA 2605 Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels; 2005.
- B. ASTM B 209 Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2006
- C. ASTM C 1107 Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Nonshrink); 2007.
- D. ASTM D 1187 Standard Specification for Asphalt-Base Emulsions for Use as Protective Coatings for Metal; 1997 (Reapporved 2002)I.
- E. AWS D1.2/D1.2M Structural Welding Code Aluminum; 2003 and errata.
- F. NAAMM AMP 500 through 505 Metal Finishes Manual; 1988
- G. NOMMA Guideline 1: Joint Finishes; current edition.

1.3 DELEGATED DESIGN

- A. Refer to Section 01 33 00 for information regarding delegated design submittals.
- B. As a performance specification, the criteria for the solution of structurally sound walkway cover indicated on the Drawings or specified herein are the sole purpose of defining the design intent and performance requirements. The details shown are intended to emphasize the acceptable profiles and performance requirements for this Project. To avoid any misunderstanding or lack of interpretation, the Contractor is hereby advised that the responsibility for the walkway cover is totally his and that designs and resolutions proposed in the shop drawings, structural calculations, and related documentation shall be demonstrated throughout the Work and warranty period specified or required.
- C. Design proposal submissions which follow exactly the details indicated on the Drawings for the walkway cover will not relieve the Contractor of his responsibility for the design, fabrication, erection, or performance of the Work of this Section.
- D. In the event of a controversy over the design, the decision of the Architect will take precedence.

1.4 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Design framing, including comprehensive engineering analysis by a licensed registered Texas structural engineer, using performance requirements and design criteria indicated.
- B. General: Design, fabricate, and install walkway covers to withstand loads from gravity, wind, ponding, drift, and structural movement, including thermally induced movement; and to resist, without failure, other conditions of in-service use, including exposure to weather.
- C. Structural Performance: Provide walkway covers capable of withstanding the effects of gravity loads and the following loads and stresses within limits and under conditions indicated.
 - 1. Wind Loads: Determine loads based on the following minimum design wind pressures:
 - a. Uniform pressure, acting upward or downward.
 - b. Basic Wind Speed: 110 mph 3-second gust, Exposure B, Importance Factor 1.0, or as indicated on Structural drawings, whichever is greater.
 - c. System shall be designed in accordance with FM Global I-90 wind uplift requirements and any other applicable building codes.
 - d. System shall also be designed to comply with Underwriters Laboratories Class 'A' Fire Rating requirements.
 - 2. Thermal Movements: Provide walkway covers that allow for thermal movements resulting from the following maximum change (range) in ambient and surface temperatures by preventing buckling, opening of joints, overstressing of components, failure of connections, tearing of fabric, and other detrimental effects. Base engineering calculation on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
 - a. Temperature Change (Range): 120 deg F, ambient; 180 deg F, material surfaces.

1.5 SUBMITTALS

- A. See Section 01 33 00 Submittal Procedures, for submittal requirements.
- B. Product Data: Include styles, material descriptions, construction details, fabrication details, dimensions of individual components and profiles, hardware, fittings, mounting accessories, features, finishes, and operating instructions for awnings.
- C. Shop Drawings: Show location and extent of walkway covers. Include elevations, sections, and details not shown in Product Data. Show materials, fabrication, dimensions, mounting heights, connections, anchorages, installation details, attachments to other work, operational clearances, and relationship to adjoining work. Show colors and graphic layout and content.
 - Show locations for blocking, reinforcement, and supplementary structural support to be provided by others.
 - For installed products indicated to comply with design loads, include structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation. Calculate requirements for supporting walkway covers. Verify capacity of members and connections to support loads and verify loads, point reactions, and locations for attachment of awnings to structure with those indicated on Drawings.
- D. Samples for Verification: For each of the following products and for the full range of color, texture, and pattern variations required, prepared on Samples of size indicated below. If finishes involve normal color and texture variations, include sample sets showing the full range of variations expected.

- 1. Provide actual material finish sample: Not less than 6-inch lengths.
- E. Welding certificates.
- F. Qualification Data: For fabricator and professional engineer.
- G. Research/Evaluation Reports: For anchors and fasteners.
- H. Delegated-Design Submittal: For installed products indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.6 QUALITY ASSURANCE

- A. Fabricator Qualifications: Shop that employs skilled workers who custom-fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.
- B. Source Limitations: Obtain walkway covers through one source from a single manufacturer.
- C. Welding: Qualify procedures and personnel according to the following:
 - 1. AWS D1.2, "Structural Welding Code Aluminum."

1.7 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit installation of walkway covers in exterior locations to be performed according to manufacturers' written instructions and warranty requirements.
- B. Field Measurements: Where awning installation is indicated to fit to other work, verify dimensions of other work by field measurements before fabrication and indicate measurements on Shop Drawings. Allow clearances for fenestration operation throughout the entire operating range. Notify Architect of discrepancies. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

1.8 WARRANTY

A. Provide product/contractor one-year warranty from date of substantial completion date.

PART 2 - PRODUCTS

2.1 APPROVED MANUFACTURERS

- A. Manufacturers listed whose products meet or exceed the specifications are approved for use on this Project.
 - 1. Avadek Walkway Cover Systems & Canopies, Houston, TX
 - 2. AAPCO Protective Covers
 - 3. Airvent Remodeling & Design Center
 - 4. Aluminum Techniques
 - 5. American Aluminum Industries, Inc.
 - 6. American Walkway Covers, LLC

- "Span Deck", Architectural Metal Systems
- 8. Atlas Custom Metals
- 9. Berridge Manufacturing Company
- 10. Childers Carports & Structures, Inc.
- 11. Dittmer Architectural Aluminum
- 12. Mapes Industries, Inc.
- 13. Peachtree Protective Covers, Inc.
- 14. Perfection Architectural Systems, Inc.
- 15. Superior Metal Products Co.
- 16. Texas Aluminum Industries, Inc.
- 1. Aluminum Techniques
- American Walkway Covers, LLC
- 3. AVAdek
- 4. Canopy Solutions
- 5. Childers Carports & Structures, Inc.
- 6. Dittmer Architectural Aluminum
- 7. Mapes Industries, Inc.
- 8. Peachtree Protective Covers, Inc.
- 9. Perfection Architectural Systems, Inc.
- 10. Superior Metal Products Co.

2.2 ALUMINUM WALKWAY COVERS

- A. Aluminum shapes shall be sized and connections designed to meet or exceed specific project design load requirements, and as indicated in the drawings.
- B. Aluminum: 6063-T6 Alloy Extruded aluminum.
- C. Flashing: 0.040 inch aluminum, ASTM B 209; 0.040 inch.
- D. Horizontal U-Beams and vertical tube columns shall be sizes engineered by the manufacturer to suit application, intended use, and requirements of building code authorities having jurisdiction, and shall be attached with concealed fasteners.
- Provide concealed drainage from deck into drawings.
- F. Provide bird screens at underside of cover to prevent nesting.

2.3 MISCELLANEOUS MATERIALS

- A. Welding Rods and Bare Electrodes: Select according to AWS specifications for metal alloy welded.
 - For aluminum components, provide type and alloy as recommended by producer of metal to be welded and as required for color match, strength, and compatibility in fabricated items.
- B. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D 1187.
- C. Nonshrink, Nonmetallic Grout: Factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107. Provide grout specifically recommended by manufacturer for interior and exterior applications.

D. Anchoring Cement: Factory-packaged, nonshrink, nonstaining, hydraulic-controlled expansion cement formulation for mixing with water at Project site to create pourable anchoring, patching, and grouting compound.

2.4 GENERAL FINISH REQUIREMENTS

- Comply with NAAMM's "Metal Finishes Manual" for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipment.
- C. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.
- D. Provide exposed fasteners with finish matching appearance, including color and texture, of railings.

2.5 ALUMINUM FINISHES

- A. Mechanical Finish: sand top components in one direction only, parallel to length of railing, with 120- and 320-grit abrasive. After installation, polish railings with No. 0 steel wool immersed in paste wax, then rub to a luster with a soft dry cloth.
- B. Superior-Performance Organic Finish: Three-coat fluoropolymer finish complying with AAMA 2605 and containing not less than 70 percent PVDF resin by weight in color coat in accordance with Section 05 05 00. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
 - 1. Color: To match existing metal coping and roof color.

2.6 FABRICATION

- A. General: Fabricate units to comply with requirements indicated for design, dimensions, member sizes and spacing, details, finish, and anchorage, but not less than that required to support structural loads.
- B. Assemble units in the shop to greatest extent possible to minimize field splicing and assembly.

 Disassemble units only as necessary for shipping and handling limitations. Clearly mark units for reassembly and coordinated installation. Use connections that maintain structural value of joined pieces.
- C. Cut, drill, and punch metals cleanly and accurately. Remove burrs and ease edges to a radius of approximately 1/32 inch unless otherwise indicated. Remove sharp or rough areas on exposed surfaces.
- D. Form work true to line and level with accurate angles and surfaces.
- E. Fabricate connections that will be exposed to weather in a manner to exclude water. Provide weep holes where water may accumulate. Locate weep holes in inconspicuous locations.

- F. Cut, reinforce, drill, and tap as indicated to receive bolts, screws, and similar items.
- G. Connections: Fabricate units with welded connections unless otherwise indicated.
- H. Manufacturer shall design structure to withstand walking on top, heavy hail, and winds in the configurations shown on drawings.
- I. Provide concealed drainage from deck into columns. Fill downspouts columns with grout to the discharge level to prevent standing water. Install downspout deflectors after grouting.
- J. Fabricate flashing to prevent leakage of water between canopy and adjacent structures, where applicable.
- K. Roof Deck: Shall be of size and depth indicated or as instructed by the manufacturer to suit application, intended use, requirements of building code authorities having jurisdiction, and shall interlock in a homogeneous structural unit, with joint designed and fabricated into a structurally rigid shape which is self flashing.
- L. Expansion Joints: Provide expansion joints as required. Expansion joints shall have no metal to metal contact.
- M. Welded Connections: Comply with American Welding Society Code. Cope components at connections to provide close fit, or use fittings designed for this purpose. Weld all around at connections, including at fittings.
 - Use materials and methods that minimize distortion and develop strength and corrosion resistance
 of base metals.
 - 2. Obtain fusion without undercut or overlap.
 - 3. Remove flux immediately.
 - 4. At exposed connections, finish exposed welds to comply with NOMMA's "Joint Finishes" for Type 2 welds: completely sanded joint, some undercutting and pinholes okay.
- N. Mechanical Connections: Connect members with concealed mechanical fasteners and fittings. Fabricate members and fittings to produce flush, smooth, rigid, hairline joints.
 - 1. Fabricate splice joints for field connection using an epoxy structural adhesive if this is manufacturer's standard splicing method.
- O. Bend members in jigs to produce uniform curvature for each configuration required; maintain cross section of member throughout entire bend without buckling, twisting, cracking, or otherwise deforming exposed surfaces of components.
- P. Close exposed ends of hollow members with prefabricated end fittings.
- Q. Brackets, Flanges, Fittings, and Anchors: Provide wall brackets, flanges, miscellaneous fittings, and anchors to interconnect members to other work unless otherwise indicated.
- R. Provide inserts and other anchorage devices for connecting units to concrete or masonry work. Fabricate anchorage devices capable of withstanding design loads. Coordinate anchorage devices with supporting structure.
- S. For posts set in concrete, provide steel sleeves not less than 6 inches long with inside dimensions not less than 1/2 inch greater than outside dimensions of post, with metal plate forming bottom closure.

Page Project No. 33AC23221

T. Provide closures at the spaces between each deck flute and each beam on the underside of the canopy to prevent birds to roost on the beams.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for supporting members, blocking, inserts, installation tolerances, and other conditions affecting performance.
 - 1. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION, GENERAL

- A. General: Install walkway covers at locations and in position indicated, securely connected to supports, free of rack, and in proper relation to adjacent construction. Use mounting methods of types described and in compliance with Shop Drawings and fabricator's written instructions.
- B. Install walkway covers after other finishing operations, including joint sealing and painting, have been completed.
- C. Weld frame connections that are not to be left as exposed joints but cannot be shop welded because of shipping size limitations.
 - 1. Field Welding: Comply with the following requirements:
 - a. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
 - b. Obtain fusion without undercut or overlap.
 - c. Remove welding flux immediately.
 - d. At exposed connections, finish exposed welds and surfaces smooth and blended so no roughness shows after finishing and contour of welded surface matches that of adjacent surface.
- D. Anchoring to In-Place Construction: Use anchors, fasteners, fittings, hardware, and installation accessories where necessary for securing awnings to structural support and for properly transferring load to in-place construction.
- E. Corrosion Protection: Coat concealed surfaces of aluminum that will come into contact with grout, concrete, masonry, wood, or dissimilar metals with a heavy coat of bituminous paint.
- F. Coordinate walkway cover installation with flashing and joint-sealant installation so these materials are installed in sequence and manner that prevent exterior moisture from passing through completed exterior wall and roof assemblies.
- G. Connections: Connect motorized operators to building electrical system.
- H. Fasten canopy louver blades to rafters with #8 by 1/2-inch stainless steel screws.
- I. Fasten beam to ends of rafters with concealed clips.
- J. Heliarc weld rafters to wall mounting plates.
- K. Erect canopy after all concrete and masonry in vicinity is complete and washed down.

Page Project No. 33AC23221

- L. Install rain caps over draining sections of the deck.
- M. Downspouts columns shall be filled with grout to the discharge level to prevent standing water.
- N. Downspout deflectors shall be installed after grouting.

3.3 CLEANING AND PROTECTION

- A. Clean walkway cover surfaces after installation, according to manufacturer's written instructions.
- B. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer that ensure that walkway covers are without damage or deterioration at time of Substantial Completion.
- C. Replace damaged components that cannot be repaired, in a manner approved by Architect, before time of Substantial Completion.

END OF SECTION

SECTION 23 07 16 - VESSEL INSULATION

PART 1 - GENERAL

1.1 WORK INCLUDED

- A. Furnish and install insulation for both high and low temperature vessels.
- B. Low temperature installations include expansion tanks, air eliminators, chiller nozzles, chiller heads and other vessels containing liquids 60°F and below.
- C. High temperature installations include expansion tanks, air eliminators, domestic water storage tanks, boiler stack / transition and other vessels containing liquids above 60°F.

1.2 QUALITY ASSURANCE

- A. The intent of insulation specifications is to obtain superior quality workmanship resulting in an installation that is absolutely satisfactory in both function and appearance. Provide insulation in accordance with the specifications for each type of service and apply as recommended by the manufacturer and as specified.
- B. An approved contractor for this work under this Division shall be:
 - A specialist in this field and have the personnel, experience, training, skill, and the organization to provide a practical working system.
 - 2. Able to furnish evidence of having contracted for and installed not less than 3 systems of comparable size and type that have served their owners satisfactorily for not less than 3 years.
- C. All vessel insulation used on the project inside the building must have a flame spread rating not exceeding 25 and a smoke developed rating not exceeding 50, as determined by test procedures ASTM E 84, NFPA 255 and UL 723. These ratings must be as tested on the composite of insulation, jacket or facing, and adhesive. Components such as adhesives, mastics and cements must meet the same individual ratings as the minimum requirements and bear the UL label.
- D. Condensation on any insulated vessel system is not acceptable.
- E. Replace insulation damaged by either moisture or other means. Insulation that has been wet, whether dried or not, is considered damaged. Make repairs where condensation is caused by improper installation of insulation, also repair any damage caused by the condensation.
- F. Where existing insulated vessel, or other surfaces are tapped, remove existing insulation back to undamaged sections for hot surfaces or to nearest insulation stop for cold surfaces, and replace with new insulation of the same type and thickness as existing insulation. Apply as specified for insulation of the same service.

1.3 APPROVALS

A. Submit product data on each insulation type, adhesive, and finish to be used in the work. Make the submittal as specified in Division 1 General Requirements and obtain approval before beginning installation. Include product description, list of materials and thickness for each service and location and the manufacturer's installation instructions for each product.

Page 1

Project Nos. 33AC23221

Page 2 Project Nos. 33AC23221

B. Make an application of each type of insulation to display the material, quality and application method. Obtain approval of the sample application before proceeding with installation of the work.

1.4 RELATED WORK

A. Division 9 Finishes. Painting and color-coding

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Glass fiber pipe & tank insulation:
 - 1. Schuller Type 817
 - 2. Owens-Corning Type 705
 - 3. Knauf 2.8 PCF
- B. Closed cell, non-wicking pipe & tank insulation:
 - 1. Armaflex FS, 2" thickness
- C. Aluminum Jacketing:
 - 1. Childers
 - 2. Pabco
 - 3. RPR
- D. Monel Staples
 - 1. Bostich Monel
 - 2. Duo-Fast Monel
 - 3. Markwell Monel
- E. Fiberglass reinforcing cloth mesh:
 - Perma Glass Mesh
 - 2. Alpha Glass Mesh
 - 3. Childers Chil-Glas
 - 4. Foster Mast a Fab
- F. Weather Resistant Coating:
 - 1. WB Armaflex Finish

2.2 CEMENT, MASTICS, SEALANTS, ADHESIVES AND COATINGS

- A. Adhesive: Provide Childers CP-127 or Foster 85-60 fiberglass adhesive to seal insulation for low temperature vessels.
- B. Adhesive / Joint Sealant: Provide Armaflex 520 adhesive to seal insulation for low and temperature vessels.
- C. Lagging Adhesive / Coating: Furnish Childers CP50AHV2 or Foster 30-36 lagging adhesive / coating to provide a finish coat and to secure finish cloth for high temperature vessels.
- D. Insulation Joint Sealant: Use Childers CP-76 or Foster 95-50 to seal the joints of insulation on low temperature vessels.

- Metal Jacketing Sealant: Use Childers CP-76 or Foster 95-44 on all metal jacketing laps outdoors.
- F. Vapor Barrier Coating: Indoors Use Childers CP-38 or Foster 30-80 vapor barrier coating finish to coat the canvas finish on low temperature vessels. Permeance shall be 0.013 perms or less as tested by ASTM E96. Coating must comply with MIL-C-19565C, Type II and be QPL listed. Permeance shall be 0.03 perms or less at 30 mils, dry. Tested at 100°F and 90% RH per ASTM F 1249 and by Hypalon rubber based.
- G. Weather Barrier Mastic: Furnish Childers CP-10/11 or Foster 46-50 weather barrier mastic and reinforcing mesh for outdoor finish.
- H. Reinforcing Mesh: Furnish 10 X 10 white glass or polyester reinforcing mesh.

PART 3 - EXECUTION

3.1 HIGH TEMPERATURE VESSELS (FIBERGLASS)

- A. Apply a first layer of insulating board. Band the board on immediately after application, using bands on 12" centers, drawn tight and securely fastened.
- B. Apply successive layers of insulation as specified for the first layer, with joints staggered. After insulation has been applied, finish with Childers CP-38 or Foster 30-80 vapor barrier coating reinforced with glass or polyester reinforcing mesh per manufacturer's recommendations. Provide a flood coat of Childers CP-10/11 or Foster 46-50 with Foster Mast a Fab polyester or Chil Glas #10 reinforcing mesh.
- C. To insulate removable heads, provide two equal sections of heavy-gauge, galvanized sheet metal covers, angle reinforced and lined with insulation board. Make covers easily removable to allow free access to the heads for inspection, cleaning and dismantling. Provide suitable flanges on the sections with neoprene gaskets between them, permitting a tight seal when the two sections are bolted together. Fill the voids with glass fiber wall cavity insulation.

3.2 LOW TEMPERATURE VESSELS (CLOSED CELL)

- A. Apply a layer of insulating board. Band the insulation on immediately after application, using bands on 12" centers, drawn tight and securely fastened.
- B. To insulate removable heads, provide two equal sections of heavy-gauge, galvanized sheet metal covers, angle reinforced and lined with insulation board. Make covers easily removable to allow free access to the heads for inspection, cleaning and dismantling. Provide suitable flanges on the sections with neoprene gaskets between them, permitting a tight seal when the two sections are bolted together. Fill the voids with closed cell insulation.
- C. Apply weather protective finish on closed cell insulation. Provide a minimum of three coats.

3.3 ALUMINUM JACKETING (Insulated vessels outdoors above grade)

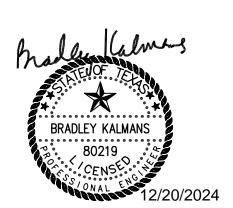
A. Apply aluminum jacket on vessels according to manufacturer's recommendations using aluminum strapping and metal jacketing sealant to provide weather tight covering.

- B. Aluminum jacketing is not considered as contributing to the vapor barrier or the insulation jacket. The vapor barrier must be sufficient in itself for this function.
- C. Install straps on 12" centers.

3.4 VESSEL INSULATION REQUIREMENTS

- A. Insulate all low and high temperature vessels located exterior (outside) of the building, including the following:
 - 1. Air separators
 - 2. Expansion Tanks
 - 3. Chemical feeders
 - 4. Chilled water system volume tanks
 - 5. Insulation thickness shall match thickness of adjoining pipe insulation
- B. Insulate all low temperature vessels located interior (inside of the building, including the following:
 - 1. Air separators
 - 2. Chemical feeders
 - 3. Chilled water system volume tanks
 - 4. Insulation thickness shall match thickness of adjoining pipe insulation
- C. Insulate the following high temperature vessels located interior (inside the building).
 - 1. Air Separators
 - 2. Insulation thickness shall match thickness of adjoining pipe insulation
- D. As indicated on the drawings
- E. Expansion tanks, air separators, and volume tanks shall be provided with a access flap or removable section of insulation at vessel nameplate to provide access for inspections.

END OF SECTION



SECTION 27 41 16.20 -LOCAL SOUND REINFORCEMENT SYSTEMS

PART 1 - GENERAL

RELATED WORK 1.1

The following sections shall associate with this specification as applicable A.

- **General Conditions**
- 2. **Supplementary Conditions**
- 3. Division 1
- 4. Division 26 in its entirety.
- 5. Division 27 in its entirety.
- Division 28 in its entirety. 6.

DESCRIPTION 1.2

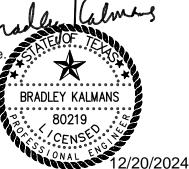
A. Summary of Work:

- Provide all equipment specified well as all miscellaneous parts and materials required for the proper, complete, and functional Video and/or Sound Distribution System at the following Venues:
 - Cafeteria
- All applicable equipment shall bear the UL label. 2.
- Governing Codes and Conflicts: If the requirements of these specifications or the 3. Project Drawings exceed those of the governing codes and regulations, then the requirements of these specifications and the Drawings shall govern. However, nothing in the Drawings or Specifications shall be construed to permit work not conforming to all governing codes, regulations, and manufacturer installation requirements.
- 4. Locate equipment to accommodate millwork, fixtures, marker boards and other room equipment at no additional cost to the owner.
- 5. Plenum rated cable may be used as an option at the contractor's discretion. Wherever cabling is run exposed, conduit shall be used to cover and protect wiring.
- 6. These documents are conceptual in nature. It shall be the responsibility of the approved installer to furnish a complete and functional system, including the items shown on the drawings, in the specifications, and items not designated in either. The installer's shop drawings and product data submittals shall represent a complete system and documents accepted do not relieve the installer from being required to provide any materials, equipment, or labor to furnish a complete and functional system as recognized by the Project's Technology Consultant and the Owner.

QUALITY ASSURANCE 1.3

Installer Qualifications: A.

- The contractor providing and installing the integrated audiovisual systems and associated infrastructure shall be an authorized dealer of the specified projector manufacturer and be capable of providing the manufacturer's maximum available product warranty.
- 2. All individuals installing the audio-video system must be employees of the authorized dealer and at least 75% of the installing staff shall have undergone a training class given by the manufacturer. Current certification indicating the successful completion of the training course shall be available upon request at the project and submitted in the contractor's product submittals.
- The proposing contractor and the installing contractor must be the same 3. company. No subcontractor to the proposing audio-video contractor will be



Page 1

Project Nos. 33AC23221

- allowed for any portion of the audio-video scope of work.
- 4. The System Installer shall meet all applicable regulations of the State and Department of Labor insofar as they apply to this type of system. The bidder shall be a firm normally employed in the audio-video industry and shall provide a reference list of ten (10) projects of equivalent size or larger and contact names confirming successful completion of projection system installations.
- 5. The bidder shall have an authorized service center, within 75-miles of the project's location, for the brand of equipment that is submitted for bid. The Owner, Architect, and Consultant reserves the right to perform an onsite inspection as they deem necessary.
- 6. The bidder must produce a letter from the manufacturer guaranteeing the delivery of all the equipment outlined in the specification herein.
- 7. The bidder shall have a full-time local service personnel capable of servicing the projector system described herein.

B. Pre-Construction Meeting:

- The successful Contractor shall attend a mandatory pre-construction meeting with individuals deemed necessary by the Owner's representative prior to the start of the work.
- 2. The contractor shall provide a mockup of the complete integrated audiovisual system solution for each of the typical spaces below before implanting the installation in multiple like rooms. Mockup shall include all products listed in part 2 of this specification. Coordinate with G.C., Architect, Consultant, and Owner for scheduling and location of mockup.
- 3. All proposing contractors must have ability to demonstrate a/v system being proposed and provide owner with completely installed system to evaluate performance and operation.
- C. Acceptance: The Owner's representative reserves the right to reject all, or a portion of the work performed, either on technical or aesthetic grounds.

D. Warranty:

- 1. The selected system installer shall be factory authorized service center and shall provide an end-to-end performance warranty of not less than one (1) year. The proposer shall provide current certification documentation. The performance warranty shall be issued by the manufacturer and shall warrant that video projection system projectors have been tested to the district's approval. This end-to-end warranty shall cover the labor associated with removing/reinstalling any associated hardware or equipment as well as the replacement of all defective equipment or hardware.
- 2. The bidder shall also submit with the materials mentioned in section 1.5 submittals of this specification a written explanation outlining the terms and conditions of product warranty of all parts and service of the integrated a/v solutions.

1.4 REGULATORY REQUIREMENTS

- A. Standards: All work shall be performed in accordance with the latest revisions of the following standards and codes:
 - 1. Latest Local Codes and Amendments
 - 2. National Electrical Code, current version

B. Other References:

- 1. TIA/EIA-568-A Commercial Building Telecommunications Wiring Standard
- 2. EIA/TIA-569 Commercial Building Standard for Telecommunication Pathways and Spaces.

Page 2

- Page 3 Project Nos. 33AC23221
- 3. TIA/EIA-606 The Administration Standard for the Telecommunications Infrastructure of Commercial Buildings.
- 4. TIA/EIA-607 Commercial Building Grounding and Bonding Requirements for Telecommunications.
- 5. EIA/TIA 455-A Standard Test Procedure for Fiber Optic Fibers, Cables, Transducers, Sensors, Connecting and Terminating Devices and Other Fiber Optic Components.
- 6. TIA/EIA TSB 67 Transmission Performance Specification for Field Testing of Unshielded Twisted-Pair Cabling Systems.
- 7. TIA/EIA TSB 72 Centralized Optical Fiber Cabling Guidelines
- 8. ISO/IEC 1180 Generic Cabling Standard
- 9. EN 50173 Generic Cabling Standards for Customer Premises
- 10. ANSI/EIA/TIA 526-14 Optical Power Loss Measurements of Installed Multimode Fiber Cable Plan.
- C. Governing Codes and Conflicts: If the requirements of these specifications or the Project Drawings exceed those of the governing codes and regulations, then the requirements of these specifications and the Drawings shall govern. However, nothing in the Drawings or Specifications shall be construed to permit work not conforming to all governing codes and regulations.

1.5 ABBREVIATIONS

- A. The following abbreviations are used in this document:
 - 1. AV-*# Audiovisual input station / Presentation Station (Reference drawing legend) CMP Ceiling Mounted Projector LCD or LED Flat panel screen/monitor

1.6 SUBMITTALS

- A. Project Initiation: Within fourteen (14) days of Notice to Proceed, the projection system installer shall furnish the following in a single consolidated submittal:
 - 1. Permits: The Contractor shall obtain all required permits and provide copies to the Owner/Architect/Engineer.
 - 2. Product Literature: Complete manufacturer's product literature for all, speakers, amplifiers, cable, cross-connect blocks, cable supports, cable labels, outlet devices, and other products to be used in the installation. In addition, whenever substitutions for recommended products are made, samples (when requested by the Owner/Designer) and the manufacturer's supporting documentation demonstrating compatibility with other related products shall be included.
 - Construction Schedule: A time-scaled Construction Schedule, using PERT/CPM, indicating general project deadlines and specific dates relating to the installation of the cable distribution system.
 - 4. Testing: Proposed Contractor test result forms, and a list of instrumentation to be used for systems testing.
 - 5. The contractor shall provide a letter from the manufacturer stating that the dealer is an authorized service center.
 - 6. The resume and contact information of the full-time service personnel responsible for the installed projection system.
 - 7. Specification Compliance: A letter shall be provided stating, by section and subsection, that the installer complies with the ENTIRE specification section. If the installer intends to deviate from any portion of the specifications, a detailed explanation of reason in which the installer would like to deviate shall be provided in addition to the specification compliance letter. No deviations shall be acceptable until they have been accepted by the project's technology consultant.
 - 8. Certifications: The contractor shall submit all of the following certifications and the certifications must contain dates which are valid from the date of proposal

Page 4 Project Nos. 33AC23221

and not expirer any sooner than 12 months after substantial completion of the project.

- a. AMX authorized dealer certification
- b. Installer training certification: 1) Provide specification with line-by-line acknowledgement of compliance.
- B. Shop Drawings: Submit the following items, for Owner review and approval, within twenty-eight (28) days of notice to proceed:
 - 1. Proposed wiring and connectivity diagram of the proposed projection system including all faceplates and sound reinforcing equipment
 - 2. In addition to the wiring/connectivity diagram, the submitted drawings shall indicate the following, even if the following is expected to be provided by the project's electrical or general contractor:
 - a. Location of wall penetrations (all penetrations shall be sleeved and contain protective bushings at both ends)
 - b. Location of sleeved wall pass-thru
 - c. Size of sleeve at each location installed
 - d. Quantity of cable passing through each sleeve
 - e. Location of drops in each room (quantity or labeling of drops are not required in the submittal plans. Labeling shall be provided in the closeout plans and quantities shall be as per the contract documents, addendums, and issued changes. Each drop shall be labeled for the type of outlet that it is)
 - Conduit routing, size, quantity, and stub-up locations for all floor mounted outlets.
 - 3. Drawing Compliance: A letter shall be provided stating that the installer complies with the ENTIRE project drawing, including all general, keyed, and notes to contractor. If the installer intends to deviate from any portion of the specifications, a detailed explanation of reason in which the installer would like to deviate shall be provided in addition to the specification compliance letter. NO DEVIATIONS SHALL BE ACCEPTABLE UNTIL THEY HAVE BEEN ACCEPTED BY THE PROJECT'S TECHNOLOGY CONSULTANT.
- C. Project Completion: As a condition for project acceptance, the Contractor shall submit the following for review and approval:
 - Samples: Complete manufacturer's product literature and samples (if requested) for all pre-approved substitutions to the recommended products made during the course of the Project.
 - 2. Inspection and Test Reports: During the course of the project, the Contractor shall maintain an adequate inspection system to ensure that the materials supplied, and the work performed conform to Contract requirements. The contractor shall provide written documentation that indicates that materials acceptance testing was conducted as specified. The Contractor shall also provide documentation, which indicates that all cable termination testing was completed and that all irregularities were corrected prior to job completion.
 - 3. Operating and Maintenance Instructions: Operating and maintenance instructions for all devices within the system. These instructions shall reflect any changes made during the course of construction and shall be provided to the Owner for their use on disc or USB drive with the project name and description (2 copies).
 - 4. Provide schematic line diagram of system components as deployed in each installation.

PART 2 - PRODUCTS

2.1 GENERAL

All products listed in this section shall be provided and installed by the contractor unless

Page 5 Project Nos. 33AC23221

otherwise noted below. The following list is not intended to be a complete list of required equipment or cables as the project is to be Turnkey and may require equipment beyond the depth of this list. It is the contractor's responsibility to ensure that they are providing a complete and functional system with their proposal.

- A. Installation: The cabling shall be installed per requirements of the manufacturer and the Project Documents utilizing materials meeting all applicable TIA/EIA standards. The Contractor is responsible for providing all incidental and/or miscellaneous hardware not explicitly specified below as required for a complete and operational system.
- B. Materials: Materials shall be as listed or shall be approved equivalent products of other manufacturers meeting the intent and quality level of the TIA/EIA specifications. All approved equivalent products will be published by addendum ten days prior to proposal for Architect / Engineer to review.
- C. Testing: All installed cabling shall be tested 100% good after installation by the Contractor.
- D. Ratings: All products shall be new and brought to the job site in the original manufacturer's packaging. Electrical components (including innerduct) shall bear the Underwriter's Laboratories label. All communications cable shall bear flammability testing ratings as follows:

CM Communications Cable
CMP Plenum Rated Communications Cable
CMR Riser-Rated Communications Cable

- E. Initial Cable Inspection: The Contractor shall inspect all cable prior to installation to verify that it is identified properly on the reel identification label, that it is of the proper gauge, containing the correct number of pairs, etc. Note any buckling of the jacket that would indicate possible problems. Damaged cable or any other components failing to meet specifications shall not be used in the installation.
- F. Cable Lubricants: Lubricants specifically designed for installing communications cable may be used to reduce pulling tension as necessary when pulling cable into conduit.
 - Approved Products
 - a. Twisted-pair cable: Dyna-Blue
 - b/ American Polywater
- G. Fire Wall Sealant: Any penetration through firewalls (including those in sleeves) will be resealed with an Underwriter Laboratories (UL) approved sealant.
 - 1. Approved Products
 - a. 3M or
 - b. Pre-approved equal

2.2 TRAINING

- A. A minimum of eight hours for instruction in proper operation and routine maintenance of the system. Instruction shall cover all materials indicated in the Owner's operations manual.
- B. Operational guidelines shall be given in written form in sufficient numbers so that all key personnel have operational instructions of programming; station use and special features. Copies of these instructions shall be provided for permanent record in the operations and maintenance manuals.
- 2.3 WARRANTY

A. One year from Date of Substantial Completion

2.4 PRODUCTS AND MATERIALS

- A. Local Sound Reinforcement System
 - 1. Rack Mount Amplifier: DSP & Amplifier by Harman or pre-approved equal. Three mic jacks, (1) in riser and (1) on either side of stage ATLAS S501-13C
 - 2. Three (3) Microphones Shure PGA 58-LC
 - 3. Three (3) Atlas MS-18C stand
 - 4. Three (3) Generic 25'-0" microphone chords
 - 5. One (1) Atlas DS-5 Desk Stand
 - Digital Wireless Mic System Shure QLX/ULX Wireless
 - a. Two (2) receivers
 - b. Two (2) Handheld Transmitters
 - c. Two (2) Belt Pack Transmitter
 - d. Two (2) WH 30 Head worn Mic
 - e. Two (2) WL 185 Lapel Mic
 - f. Active Directional Antenna
 - 7. Wall Cabinet to house all local sound equipment.
- B. High School Gymnasium speakers:
 - 1. Full range speakers: JBL AM7215
 - 2. Low frequency speakers: JBL AL7115
 - 3. Coordinate color (Black/White) with owner prior to purchasing
- C. Hearing Assist System The hearing assist system is to consist of a FM transmitter with one antenna. The transmitter will broadcast in the FM band from 72.1 MHZ to 75.9 MHZ.
 - 1. Williams Sound PPA L157 system with PPAR35 receivers, one RPK005 rack mount kit and one ANT005 whip antenna
 - 2. Provide belt packs and mics in quantities required for space capacity as per ADA standards.

PART 3 - EXECUTION

3.1 GENERAL

- A. Contractor is required to properly mount integrated A/V solutions and connect all ceiling video / audio cables to projector component inputs.
- B. Contractor is required to thoroughly test and verify operation of all A/V inputs and video modes prior to project completion.
- C. Contractor is required to focus and adjust projector to properly project image on viewing surface (screen or multimedia board depending on location).
- D. Contractor shall provide owner with written verification test process and results once all projectors have been installed, tested, and placed in final condition.
- E. Damage: The Contractor shall replace or rework cables showing evidence of improper handling including stretches, kinks, short radius bends, over tightened bindings, loosely twisted and over-twisted pairs at terminals and cable sheath removed too far (over 1-1/2 inches).

Page 6

- F. The Contractor shall replace any damaged ceiling tiles that are broken during cable installation.
- G. Clean Up: All clean up activity related to work performed will be the responsibility of the Contractor and must be completed daily before leaving the facility.

3.2 DOCUMENTATION

A. Contractor shall provide owner with detailed serial number listing and associated graphical room number designation equipment was installed. Contractor shall use actual graphical package room numbers not architectural plan numbers from construction set.

3.3 STATION WIRING INSTALLATION

- A. General: All cable must be handled with care during installation so as not to change performance specifications. Factory twists of each individual pair must be maintained up to the connection points at both ends of all category 6 cable. There shall never be more than one and one-quarter inch of unsheathed enhanced Category6 UTP cable at either the wiring USB Transmitter or Receiver.
- B. Exposed Cable: All cabling shall be installed inside walls or ceiling spaces whenever possible. Exposed station cable will only be run where indicated on the Drawings. Additional exposed cable runs will require Owner approval and will only be allowed when no other options exist.
- C. Placement: All cabling and associated hardware shall be placed so as to make efficient use of available space. All cabling and associated hardware shall be placed so as not to impair the Owner's efficient use of their full capacity.

D. Cable Routes:

- All cabling placed in ceiling areas must be in conduit, cable tray or an approved J-Hook cable support. Cable supports shall be permanently anchored to building structure or substrates. Provide attachment hardware and anchors designed for the structure to which attached and that are suitably sized to carry the weight of the cables to be supported. Do not route cable through webbing of structural steel. Cabling must be supported in dedicated supports intended to support cabling as described in this section. Contractor shall adhere to the manufacturer's suggested fill ratio for each size cable support installed.
- 2. Attaching cable to pipes or other mechanical items is not permitted. Communications cable shall be rerouted so as to provide a minimum of 18 inches spacing from light fixtures, sources of heat, power feeder conduits and EMI sources. Cabling shall not be attached to ceiling. Grid support wires. Cable runs shall be routed down the corridors; parallel or perpendicular to building structure. Multiple cables to be bundled together at and between each cable support installed.
- 3. Contractor shall be responsible for coordinating with other trades on the project so that the installed cable pathway does not interfere with the installation of other systems to ensure that mechanical ducts, pipes, conduits, or any other above ceiling systems are not putting unnecessary stress on any portion of the install audio-video cabling.

3.4 STATION HARDWARE

A. Flush mounted components: all components shall be inserted to a flush mounted faceplate unless designated otherwise.

Page 7

B. Placement: Where possible, the AV input outlets shall be located so that its centerline is 18 inches above floor level or 12 inches above permanent bench surfaces. Outlets shall not be mounted on temporary, movable, or removable surfaces, doors, or access hatches. The CMP outlet shall route directly to the rear of the projector and does not require any type of faceplates.

3.5 PROGRAMMING

- A. Programming shall be coordinated with the Owner and Project's Consultant. Programming shall include, but not be limited to the following:
 - 1. AV Control Panel Configuration
 - 2. Audio routing from any source location through the DSP
 - 3. Projector and screen control via the Audio / Video Control panel
 - 4. Device resolution and over/under-scanning settings
 - 5. Incorporation of any Owner furnished source equipment (maximum of 3)

3.6 FINAL TESTING REQUIREMENTS

- A. Notification: The Owner and Engineer shall be notified one week prior to any testing so that the testing may be witnessed.
- B. Inspection: Before requesting a final inspection, the Contractor shall perform a series of end-to-end installation performance tests. The Contractor shall submit for approval a proposal describing the test procedures, test result forms and timetable for all copper and fiber optic cabling.
- C. Procedures: Trained personnel shall perform all testing. Acceptance of the test procedures discussed below is predicated on the Contractor's use of the recommended products and adherence to the inspection requirements and practices set forth. Acceptance of the completed installation will be evaluated in the context of each of these factors. Testing procedures shall consist of, but not me limited to the following:
 - Input locations to be tested utilizing multiple types of source equipment.
 Equipment to include:
 - a. Personal Computer (laptop)
 - b. Apple iMac
 - c. Apple Mac Mini
 - d. Google Chromebook
 - e. Additional devices may be required at the time of testing
 - f. contractor to provide devices on a single cart, to roll between inputs during testing.
 - 2. Routing of video, from any source to each projector and display simultaneously and independently.
 - 3. Routing of audio, from any source to each audio channel simultaneously and independently.
 - 4. Control of the entire system from each installed A/V Control Panel
 - 5. Additional test requirements may be required at the Owner and/or Consultant's request.

3.7 OWNER TRAINING AND DEMO

A. A/V integrator shall provide demonstration of all integrated a/v solutions to owner's staff that have any stake with the operation and maintenance of the a/v solutions. Integrator shall produce sign in sheets for record of who was trained and when. Copies of sign in sheets shall be submitted with close out paperwork. Coordinate training dates with owner at project completion.

Page 8

- B. Integrator shall provide factory training for owner's operations and maintenance personnel for each major component of the systems listed in the A/V solutions outlined in part 2 of these specifications. Training shall be a minimum of 4 hrs. per person. Retraining of staff shall be available, at no cost to the owner, to a maximum of 3 on-site training sessions up to 1 year from the date of project competition.
- C. All training is to be recorded via video recording and a copy of the recorded video shall be provided to the owner upon completion. All video recording equipment, for the recording of training, shall be provided by the integrator.

END OF SECTION

Page 9

SECTION 27 50 00 - SCHOOL COMMUNICATION SYSTEM

PART 1 - GENERAL

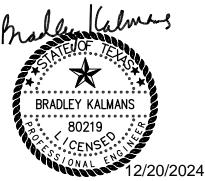
1.1 RELATED WORK

The following, in their entirety and as applicable, shall apply to this section. Including any associated drawings.

- A. Conditions of the Contract
- B. Division 1
- C. Division 26
- D. Division 27
- E. Division 28

1.2 SUMMARY

- A. This section includes a fully operational IP platform for a district-wide internal and school Critical Communications Solution, incorporating school safety notifications and general communications including but not limited to the following:
 - The platform shall provide complete internal communications and employ state of the art IP Technology including the minimum functions listed.
 - a. Two-way internal intercommunications between staff locations and classrooms.
 - b. Scheduled bell events.
 - c. Emergency announcements that will override any pre-programmed audio, assuring that all Emergency/Lockdown etc., are heard at each and every speaker location.
 - d. Capability of prerecording emergency announcements that can be activated by a Soft Key on an administrative console, panic button, dial string, or web browser.
 - e. Atomic Time Synchronization with Class Change Tones utilizing multiple, programmable schedules for each zone.
 - f. District-wide, Emergency, Group, All School and Zone live voice paging.
 - g. District-wide, Emergency, Group, All School and Zone paging for prerecorded audio – tones, music, and voice.
 - h. Web-based user interface.
 - 2. The system shall support a minimum of 1000 level priorities which shall be userdefinable, allowing each end point to place a minimum of 5 different priority calls at the same time.
 - 3. Any authorized administrator shall be able to call from outside the school into any classroom, zone, or entire school directly via the School District supplied SIP enabled Telephone Network. This shall allow remote monitoring, call-in annunciation, and two-way conversation from outside the facility as well as paging into the system. (Compliance with NEMA Standard SB-40 for emergency communications in K-12 Schools).
 - 4. Authorized system users shall be able to create a minimum of 100 automated sequences with voice instructions, tones, emails, program distribution, and relay activations and replay them.
 - 5. Automated message strings shall be manually initiated from a single-button access on the console, on a SIP connected telephone, a panic button, from the web-based user interface or via interface with third party systems.
 - 6. Paging and two-way intercom features shall be accessible from any system console or SIP connected telephone for each campus.
 - 7. The platform shall synchronize its system time to the network timeserver or a web-based time server.



Page 1

- 8. Each single campus installation shall be locally survivable for intercom, paging, bells, and emergencies such as lockdown, even when the district connection is unavailable.
- 9. This specification establishes a minimum level of quality, features, and performance for individual components as well as the integrated system.
- 10. Systems that do not comply with the feature-sets highlighted in this Specification will not be considered.
- Any network switches that are required shall be provided by the owner.
 Contractor is responsible for coordinating the switch requirements with the owner.
- B. Locate equipment to accommodate millwork, fixtures, marker boards and other room equipment at no additional cost to the Owner.
- C. Integrate the communications system with the following systems:
 - Clock and Bell System
 - 2. Local sound reinforcement sound systems
- D. Return air plenum cable shall be used. Wherever cabling is run exposed, conduit shall be used to cover and protect wiring.
- E. The drawings and specifications are to be considered conceptual in nature and are intended to establish system standards insofar as manufacturer type and system configuration. The contractor shall provide pricing of a complete engineered system based on the issued conceptual documentation. The engineered system is to be submitted to the project's consultant for review prior to installation.
- F. This system is intended to be upgraded utilizing the existing Telecenter U controller, with the addition of gateways, to integrate the existing classroom and corridor speakers, and all other communications system devices.
- G. Prior to construction, a system test is required by the contractor, to verify the current state of the system. Any non-functioning item shall be noted and addressed by CFISD maintenance, prior to start of this work. If the system is proven to be 100% functional, the contractor is responsible for any repairs necessary to bring it to its previous state, at no additional cost to the owner.
- H. If there are any discrepancies between the drawings and specification or among themselves, the contractor shall request clarification prior to providing pricing for the scope of work. If a request is not issued and a response not provided via a posted addendum, the contractor shall provide pricing for the costliest scenario and obtain clarification during the project.

1.3 DEFINITION OF TERMS

A. Installer(s): Shall refer to the person, persons, or company who or which actually contracts to perform the work specified herein.

1.4 SUBMITTALS

- A. Product data for each component.
- B. Shop Drawings: Prior to proceeding with the work: Provide detailed equipment assemblies and indicate dimensions, weights, required clearances, method of field assembly, components, location of each field connection, and a complete schedule of all equipment and materials with associated manufacturer's cuts sheets which are to be

used.

- Wiring Diagrams: Detail wiring for power, signal, and control systems and differentiate between manufacturer-installed and field-installed wiring. Identify terminals to facilitate installation, operation, and maintenance. Include a singleline diagram showing cabling interconnection of components and levels throughout system and impedances.
- 2. Artwork drawings and lists indicating proposed nameplate nomenclature and arrangements for control panels and plug panels prior to fabrication reflecting equipment used.
- 3. Each drawing shall have a descriptive title and all sub-parts of each drawing shall be labeled. All drawings shall have the name and locations of the project, Systems Contractor's name in the title block.
- 4. Details and descriptions of any other aspect of the system, which must differ from the contract documents due to field conditions or equipment, furnished.
- C. FCC Approval: The system shall be approved for direct interconnection to the telephone utility under Part 68 of FCC rules and regulations. Systems, which are not FCC approved or utilize an intermediary device for connection, will not be considered. Provide the FCC registration number of the system being proposed as part of the submittal process.
- D. Product Certificates: Signed by manufacturers certifying that products furnished comply with specified requirements.
- E. Installer Certificates: Signed by manufacturers certifying that Installers comply with specified requirements.
- F. Manufacturer Certificates: Signed by manufacturers certifying that they comply with specified requirements.
- G. Field Test Reports: Indicate and interpret test results for compliance with performance requirements. Include record of final matching transformer-tap settings, and signal ground-resistance measurement certified by Installer.
- H. Maintenance Data: For equipment to be included in maintenance manuals specified in Division 1.
 - 1. Record of Owners equipment-programming option decisions.
 - 2. All instructions necessary for proper operation and manufacturer's instructions.
 - 3. "Proof of Performance" information.
 - 4. Manufacturer's maintenance information.
 - 5. Copies of non-proprietary computer programs and system set up disks documenting all programmable features of the installed system.
- I. Record Drawings: Prior to final acceptance, provide three (3) complete sets of drawings indicating all cable numbers and construction details in accordance with the actual system installation. Revise all shop drawings to represent actual installation conditions. These Record Drawings will be used during "Final Acceptance Testing".
- J. System Training: Submit the following information describing the training programs and system trainers as outlined in paragraph 1.6 of this specification and in accordance with Division 1 specifications.
 - 1. Include with the submittal a preliminary staff development training program in outline form for review and approval by the owner's representative.
 - 2. Include with the submittal a current copy of the trainer's certification from the manufacturer that certifies and identifies the trainer(s) who are eligible to provide training and support for the project.
 - 3. Include with the submittal a current copy of trainer's needs assessment form

Page 3

- Page 4 Project Nos. 33AC23221
- which will be reviewed with the owner's designated representative for the system's preliminary system programming and configuration.
- 4. Include with the submittal copies of all documentation used to identify for the owner those participants attending and completing the training programs.
- K. A copy of the manufacturer's standard statement of warranty proving all equipment provided for the school communications network is covered with the required five-year warranty shall be included with the project submittal. This statement of warranty shall be provided on the manufacturer's stationary.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced Installer who is an authorized representative of equipment manufacturer for both installation and maintenance of equipment required for this Section. Provide the following within thirty (30) days after notification to proceed:
 - Provide a list of installations that the Installer has specifically installed for verification by the Owner. Random installations from other vendors and/or Installers shall not be accepted. The Installer, not its employees, must meet these qualifications.
 - 2. The Installer shall be bondable.
 - 3. The Installer shall demonstrate to the satisfaction of the Owner or his representative that he has:
 - a. Adequate plant and equipment to pursue the work properly and expeditiously.
 - b. Adequate staff and technical experience to implement the work.
 - c. Suitable financial status to meet the obligations of the work.
 - d. Technically capable and factory trained service personnel at a local service facility to provide routine and emergency service for all products used in this project.
- B. Because the life expectancy of this type of communications structure normally exceeds 10 years, the owner expects continuity from the service provider. If the installing/servicing company has not been an authorized provider of the manufacturer's product for it least seven (7) years, the following is required:
 - 1. A list of two (2) systems manufacturers of which they currently are authorized service providers where the relationship exceeds seven (7) years.
 - 2. A letter from the manufacturer outlining the details of changes in service providers over the last seven (7) years and what actions they will take to ensure continuity of service to the customer.
- C. Each major component of equipment shall have the manufacturers name, address and model number on a plate securely affixed in a conspicuous place. NEMA code ratings, UL Label, or other data that is die-stamped into the surface of the equipment shall be easily visible.
- D. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction.
- E. Comply with NFPA 70
- F. Comply with NEMA Standard SB-40 for Emergency Communications in K-12 schools.
- G. Comply with UL 60950.
- 1.6 SUBMITTALS

A. **Project Initiation:**

- Within fourteen (14) days of Notice to Proceed, the projection system installer shall furnish the following in a single consolidated submittal:
 - Product Literature: Complete manufacturer's product literature for all, speakers, amplifiers, cable, cross-connect blocks, cable supports, cable labels, outlet devices, and other products to be used in the installation. In addition, whenever substitutions for recommended products are made. samples (when requested by the Owner/Designer) and the manufacturer's supporting documentation demonstrating compatibility with other related products shall be included.
 - Construction Schedule: A time-scaled Construction Schedule indicating b. general project deadlines and specific dates relating to the installation of the cable distribution system.
 - The contractor shall provide a letter from the manufacturer stating that C. the dealer is an authorized service center.
 - The resume and contact information of the full-time service personnel d. responsible for the installed projection system.
 - Specification Compliance: A letter shall be provided stating, by section e. and subsection, that the installer complies with the entire specification section. If the installer intends to deviate from any portion of the specifications, a detailed explanation of reason in which the installer would like to deviate shall be provided in addition to the specification compliance letter. No deviations shall be acceptable until they have been accepted by the project's technology consultant.
 - f. Certifications: The contractor shall submit all of the following certifications, and the certifications must contain dates which are valid from the date of proposal and not expirer any sooner than 12 months after substantial completion of the project.
 - 1) State Licenses as applicable to this system
 - 2) Manufacturer's Authorized Dealer Certification
 - 3) Manufacture Installer Training Certificate (required for at least 25% of all installers on site.)
 - Provide specification with line-by-line acknowledgement of compliance. g.

B. Shop Drawings:

- Submit the following items, for Owner review and approval, within twenty-eight (28) days of notice to proceed:
 - Proposed wiring and connectivity diagram of the proposed projection a. system including all faceplates and sound reinforcing equipment
 - In addition to the wiring/connectivity diagram, the submitted drawings b. shall indicate the following, even if the following is expected to be provided by the project's electrical or general contractor:
 - Location of wall penetrations (all penetrations shall be sleeved 1) and contain protective bushings at both ends)
 - 2) Location of sleeved wall pass-thru
 - 3) Size of sleeve at each location installed
 - 4) Quantity of cable passing through each sleeve
 - Location of drops in each room (quantity or labeling of drops are 5) not required in the submittal plans. Labeling shall be provided in the closeout plans and quantities shall be as per the contract documents, addendums, and issued changes. Each drop shall be labeled for the type of outlet that it is)
 - Conduit routing, size, quantity, and stub-up locations for all floor 6) mounted outlets.
 - Drawing Compliance: A letter shall be provided stating that the installer C. complies with the ENTIRE project drawing, including all general, keyed,

Page 5

Page 6 Project Nos. 33AC23221

and notes to contractor. If the installer intends to deviate from any portion of the specifications, a detailed explanation of reason in which the installer would like to deviate shall be provided in addition to the specification compliance letter. No deviations shall be acceptable until they have been accepted by the project's technology consultant.

1.7 IN-SERVICE TRAINING

- A. The contractor shall provide and implement a complete and comprehensive staff training program for all administrators, facility staff members, and teachers. This mandatory training program will provide school staff a complete understanding of how to utilize and properly operate all functions.
- B. The training program shall be implemented by a staff member/trainer employed by the contractor. The trainer must be factory certified to provide training on their product.
- C. All staff development training is to be coordinated through the owner's designated representative. As training sessions are completed, the trainer will provide the school's administrative staff and school district's staff a document listing all the staff and faculty members who attended, received, and completed the training program.

1.8 WARRANTY

- A. Provide a manufacturer's five-year warranty of the school communications network equipment against defects in material and workmanship. This warranty will cover all electronic system components. Additional warranties cover clocks, speakers, and call-in switches. If any defects are found within the warranty period, the defective equipment shall be replaced at no cost (equipment only); a one-year warranty shall be provided for labor.
- B. A copy of the manufacturer's standard statement of warranty proving all equipment provided for the school communications network is covered with the required five-year warranty shall be included with the project submittal. This statement of warranty shall be provided on the manufacturer's stationary. The standard five-year warranty is an important element in establishing a standard in quality. Manufacturers who circumvent the five-year warranty by offering special "extended warranties" that are not part of their normal published warranty will not be accepted.
- C. Contractor shall respond, excluding weekends and holidays, within 24 hours to any warranty service calls. If equipment cannot be repaired within 24 hours of service visit, the contractor shall provide "loaner" equipment to the facility at no charge.
- D. Make available a service contract offering continuing factory authorized service of the system after the initial warranty period.

1.9 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide the following system:
 - Telecenter U as manufactured by Rauland and installed by a Rauland authorized dealer

PART 2 - PRODUCTS

2.1 SYSTEM REQUIREMENTS

A. The New Campus Communications System will connect to the Existing District Server for

Page 7

District Wide announcements and all Management Functions. Server Currently Runs the Rauland Telecenter Campus Enterprise Software.

- B. The platform shall utilize state of the art IP Technology for Call-in Notification, School Safety Paging and Evacuation tones, Atomic Time Synchronization, Class Change Tones utilizing multiple, programmable schedules for each zone, Two-way hands-free Internal Communications and Paging, and Program Distribution. The system shall be easy to learn and operate. All standard programming shall be web-based and user friendly to allow the system administrator the ability to easily program system features.
- C. Provide complete and satisfactorily operating district/school communications and district/school safety as described herein, using materials and equipment of types, sizes, ratings, and performances as indicated. Use materials and equipment that comply with referenced standards and manufacturers' standard design and construction, in accordance with published product information. Coordinate the features of all materials and equipment so they form an integrated system, with components and interconnections matched for optimum performance of specified functions.
- D. The platform shall be a single electronic system consisting of a minimum of 10 audio channels for each campus, (classroom) IP Speaker Modules and call switches, IP Zone Modules connecting corridor speakers, inside and outside horns, IP Administrative Consoles, SIP enabled PBX integration and district-wide integration for paging, emergency notifications, calendar scheduling and configuration.
- E. Each Classroom shall be provided with a Speaker Module interface and a minimum of 5 different call switches, each with their own annunciation path and priority.
- F. Call-ins may automatically annunciate (display of priority and location) to administrative consoles, SIP enabled phones, and outside phones.
- G. Call-ins shall be programmed to automatically change priority and annunciation route based on age of call-in and original priority.
- H. Call-ins may have priority (and annunciation route) changed by user action from a console or SIP enabled phone.
- I. Call-in annunciation route shall include playing pre-recorded audio over speakers, sending a pre-configured email, and activating relays.
- J. The platform shall lend itself to expansion by simple addition of hardware modules.
- K. The platform shall connect directly to an existing, standard protocol WAN/LAN network, without the need for a separate server at each school location. Configuration, including bell schedules, calendars, and emergency sequences can be remotely created, changed, stored, and downloaded to the system by an authorized user from a web-based user interface.
- L. The platform shall provide the ability to initiate school safety paging announcements, evacuation tones and take cover tones from any telephone or connected web browser within the facility or outside the facility to any other location within the facility or district.
- M. The platform shall provide the ability to selectively communicate or monitor individual classrooms in emergency situations from any telephone within the facility or outside the facility to any other location within the facility; all communication within the classroom shall be hands-free and will not require any interaction by the classroom user.

user interface, both on-site and remotely.

- N. The platform shall provide classroom users the ability to confirm that they have safely secured their classrooms during an emergency with a single button press. The front office administrator will receive confirmation that the classroom is safely secured via an administrative console and web-based user interface. The front office administrator can view classrooms that are not safely secured via the administrative console. The front office administrator can view classrooms that are not safely secured via the web-based user interface. The front office administrator shall be able to initiate two-way communication, without a pre-announcement tone, to the classroom during an emergency via the administrative console. Web-based user interface will still identify that a school is in an emergency, even if all classrooms are safely secured. Individual classroom check-in and school emergency status shall be viewed from the web-based
- O. IP Addressable and POE powered Speaker Modules for individual rooms shall be system programmable and may be assigned any two, three, four, five- or six-digit number as well as name and description. Any extension may be reassigned at any time.
- P. IP-enabled two-way voice communication shall be available from any provided telephone or administrative console through any speaker in a campus. This shall allow hands-free communication to any classroom or any individual loudspeaker unit. A programmable pre-announce tone shall sound immediately before the intercom path is opened and a supervisory tone shall continue to sound at regular intervals when speaker monitoring is active, complying fully with all privacy legislation. Preannounce tone and supervisory tones shall be disabled during designated emergencies automatically.
- Q. The platform shall allow users to configure multiple schedules per school, with a minimum of 500 unique events per schedule, and automatic Daylight Savings time correction. Schedules can be programmed to occur once, daily, weekly, monthly, or in any combination of the preceding recurrences. Each school may have a minimum of 20 unique bell schedules, with a minimum of 5 active schedules on any given day for each campus. User shall be able to select from 25 standard included tones as well additional user created and uploaded audio files for class change signaling and messaging. In addition, scheduled events shall include relay actions, email notifications, and paging exclusions as system configuration changes. The platform shall allow control of the bell schedules via the district WAN/LAN without the need for a separate server at each school location. Bell schedules can be remotely created, changed, stored, and assigned to calendar days for the local school by an authorized user from a web-based user interface.
- R. The platform shall be able to integrate with an existing PA system or operate as a fully independent IP solution. The platform shall be able to function in combination of said configurations and allow for seamless communication within a school or district-wide, regardless of the type of configuration used. The platform shall be scalable, with the ability to easily add, install, and configure additional equipment to a system.
- S. The platform allows for customization of preprogrammed sequences, used for emergencies, events, and everyday communications. Preprogrammed sequences can be activated from the push of a relay button, soft key of an administrative console, a dial string of a SIP phone, or a web browser configured to the district network. Sequences can be initiated automatically as part of a schedule or on the fly. Preprogrammed sequences can be customized to utilize any combination of audio tones, emails, relays, tone exclusions, swings, delays, duples, SIP phone notifications, and program distribution. Audio tones can include customized audio files and voice messages, recorded in any language. Uploaded audio tones and messages can be preprogrammed to annunciate repeatedly or individually, as part of a scheduled sequence or on the fly. Each school in a district can have its own customized sequences, and can be activated

Page 8

Page 9 Project Nos. 33AC23221

individually, in groups, or districtwide.

2.2 EQUIPMENT AND MATERIAL

A. Server Software

- 1. Provides district-wide paging, bell event scheduling, emergency notification and configuration for entire district.
- 2. Ability to configure system and initiate system features, per school and district-wide via web-based user interface.
- 3. The software has the ability to sync system time to the Atomic Clock Signal or to the school's or district's network time server.
- 4. The software will provide a web browser to deliver district-wide emergency paging, pre-recorded messages, and tones from any authorized computer in the facility or the district. The software must be capable of automatically notifying district personnel via the WAN/LAN of an alarm condition.
- 5. The software can automatically broadcast emergency instructions via associated system hardware throughout an entire district when an alarm (e.g., lockdown, lockout, security, fire) is initiated via the web-based user interface. The emergency instructions are preprogrammed and require no user intervention. Bell tones can be halted during an emergency. The system provides redundant alarm annunciation over intercom/paging speakers and is not meant to replace primary fire alarm or security systems.
- 6. The software allows for user-uploaded pre-recorded messages and tones.

 Software supports the upload of MP3 and WAV file types. User-uploaded prerecorded messages and tones can be part of emergencies, sequences, and bell
 schedules.
- 7. The software can be installed in cloud, virtual or physical server environments.
- 8. The web-based user interface supports secure HTTP browsing.
- 9. The software supports encryption to ensure secure access.
- 10. The system shall monitor itself if devices go offline and system actions are not received. Specified users shall receive email notifications when devices go offline. The software shall be able to keep a log and report on system activity within a school or all schools district-wide for a minimum of one year. These reports can be exported to excel spreadsheets.
- 11. The software will support a minimum of 20 bell schedules per school, with 5 schedules assignable to a specific school day. Bell schedules can be programmed to annunciate tones, activate relays, send emails, activate program distribution, and notify SIP phones.
- 12. The system allows programmable end points to be automatically included or excluded for live paging, bell tones, or prerecorded audio, depending on the time or day or day of the week. These inclusions/exclusions can be applied manually or automatically depending on their schedule.
- 13. The software can automatically send an email, as part of a programmed sequence of events, to district administrators alerting them of an emergency within the district.
- 14. The software provides the ability to view schools that are in an emergency status, using any web browser on the district's network. The software shall identify the name of the school in an emergency as well the type of emergency that school is in.
- 15. The software provides the ability to view individual classrooms that are not checked-in during an emergency, using any web browser on the district's network. The software shall identify the name, extension, and description of the classroom that is not checked-in during the emergency.
- 16. The system has a minimum of 5 customizable emergencies, one of them being an All-Clear with the ability to return the system from an emergency to normal

status. Each emergency shall have a minimum of 500 unique events.

- 17. As a district-wide communications solution, the system shall be able to provide simultaneous communications to all schools or groups of schools within a district. The system shall allow a user to initiate district-wide communications to individual schools, all schools, or groups of schools, from a web-based user interface. The system shall allow a user to initiate prerecorded audio, live paging, or programmed sequences to individual schools, all schools, or groups of schools, from the web-based user interface. Programmed sequences shall be customizable per school, and the system shall be able to activate them simultaneously to individual schools, all schools, or groups of schools, from the web-based user interface.
- 18. The communications software must allow upgrade from an individual school system to multiple schools, or an entire school district, using the same webbased user interface. The communications software from an individual school system must be identical in typical user operation to the multiple schools or entire school district communications system software.

B. Campus Controller

- Provides call routing for paging and intercom for a single facility.
- System shall connect to the district provided Telephone Network via a SIP connection.
- 3. Support a flexible numbering plan allowing two, three, four, five, or six-digit extensions.
- 4. SIP interface to a district provided Telephone Network shall be capable of allowing connected phones to display classroom call-ins, answer internal intercom call-ins, make pages, and change priorities of call-ins in progress.
- 5. Direct dialing, two-way amplified voice intercom between any provided telephone or admin console and speaker without the use of a press-to-talk or talk-listen switch.
- 6. Ability to upgrade priority level from individual call switch.
- 7. The ability to answer intercom call-ins registered at administrative consoles and pre-selected telephones.
- 8. The ability to automatically escalate incoming call-ins to an alternate telephone or group of telephones if they remain unanswered for a predetermined amount of time.
- 9. The ability to manually upgrade an intercom call-in to an alternate telephone or group of telephones.
- 10. The ability for classrooms to "check-in" via push button when they have successfully secured their location during emergency.
- 11. Administrative console shall display locations that have not checked in to confirm their secured location and provide hands-free audio monitoring and communication to unsecured locations.
- 12. The controller shall not need direct connection to any classroom via home run or distributed wiring. It shall communicate solely through the IP network.
- 13. Single button access from any console on the system to distribute emergency announcements within the facility to all or select locations equipped with speakers. Emergency announcements originating from any assigned administrative console shall have priority over all regular system functions.
- 14. Ability for administrative consoles and connected phones to selectively monitor audio at any two-way speaker during an emergency.
- 15. Stores a minimum of 48 hours' worth of Bell Event Schedules, all emergency notification sequences as well as facility wide configuration.
- 16. System has the ability to sync system time to the Atomic Clock Signal or to the school's or districts network time server.
- 17. System's SIP Interface shall provide:
 - Audio paging access from any telephone to any single intercom speaker,

zone (group) of intercom/paging speakers, or all speakers/paging horns throughout the entire facility.

- b. Ability to answer a call-in directed to that SIP extension.
- Ability to upgrade a call-in directed to that SIP extension. C.
- d. Single button access from any telephone on the system to initiate alarm signals within the facility to all or select locations equipped with speakers. A minimum of 25 separate distinct alarm signals shall be provided. Alarm signals originating from any assigned administrative telephone shall have priority over all regular system functions.
- Ability to initiate a school-wide emergency including lockdown and e. evacuate sequences.
- f. SIP device shall display call-in information from call in switch. Information will include a minimum of Classroom Name, Number, and Priority Level.
- The system will have the ability to utilize a web browser and a USB microphone 18. connected to the PC to deliver district-wide live emergency paging, pre-recorded messages, and tones from any authorized computer in the facility or the district. The system must be capable of automatically notifying district personnel via the WAN of an alarm condition.
- 19. The system can automatically broadcast emergency instructions throughout an entire campus when an alarm (e.g., lockdown, lockout, security, fire) is tripped or manually activated. The emergency instructions are preprogrammed and require no user intervention. Bell tones can be halted during an emergency. The system provides redundant alarm annunciation over intercom/paging speakers and is not meant to replace primary fire alarm or security systems.

C. IP Addressable Modules:

- System shall provide multiple IP Addressable Modules for intercom, paging and relay activation.
 - a. All Modules are POE 802.3af compliant
 - b. All Modules support DHCP.
 - All Modules connect to network with a single RJ45 connector
- 2. IP Addressable Speaker Module
 - Shall interface to school's data network, a classroom speaker, and a. multiple call switches.
 - A minimum of 5 levels of call-in can be placed from an IP Speaker b. Module. The call-ins are routed to administrative consoles and select SIP connected telephones and can only be cleared from the system once answered. If a call-in is not answered within a preprogrammed time the call-in may reroute to other telephones, consoles, and speakers.
 - An option for Privacy call in switches is supported. When the Privacy C. switch is activated, it prevents administrative or classroom telephones from monitoring the specific classroom/location intercom speaker.
 - The ability to belong to one or more of a minimum of 100 independent d. zones for zone paging, program/music distribution zones and class change tone zones; this assignment is a programmable function, changeable by time of day. Each IP Speaker Module's location shall be programmed in software to belong to any combination of software zones. IP Speaker Modules shall be designed to mount near ceiling and wall speakers and in the plenum space.
 - Intercom and paging volume adjustable from Software interface. e.
 - Rauland TCC2011A with BAFKIT2X2L8RJ speaker or equal for f. classroomspeakers
- IP Addressable Zone Paging Module 3.
 - Zone Paging Module shall connect multiple speakers for district all page, a. all page, zone paging, bells, audio events and, emergency notification.
 - b. Zone Paging Modules shall be rack and wall mountable.

- c. Zone Paging Modules shall be able to belong to one or more of 100 independent zones for live paging, bells, pre-recorded audio, and emergency notification.
- 4. IP Addressable Aux I/O Module
 - a. Aux I/O Module shall have two input contacts and two output contacts.
 - b. Input and output contacts are individually addressable.
 - c. Aux I/O Module shall be wall and rack mountable.
 - d. User can program relays to be activated manually, through an event/bell schedule, or during emergency notification.
 - e. Aux I/O Module can perform school lockdown from a single press of a panic button.
- 5. IP Addressable Program Line Input Module
 - a. Program Line Input Module shall provide line level audio program distribution into system.
 - b. Program Line Input Module shall have a 3.5mm cable jack.
 - Program Line Input Module shall be configured via web-based user interface.
 - d. User can configure program distribution to be activated manually or automatically through an event/bell schedule.
 - e. Program Line Input Module will have a system priority level such that emergency communications override program distribution.

D. IP Addressable Analog Gateway

- IP Addressable Gateway provides integration with existing analog wiring infrastructure – consisting of shielded two-pair classroom field wiring. The Gateway provides the ability to reuse speaker wiring, speakers, and punch blocks to integrate analog infrastructure with IP platform.
- 2. Each Gateway will have 5 watts of power per port and 25 watts total per device.
- 3. Supports 24 classrooms that utilize 25 Volt speakers and all current Telecenter call switches for front office notification.
- 4. Supports minimum of 5 call switch priorities per classroom, capable of lockdown check-in functionality, while reusing existing shielded two-pair classroom field wiring.
- 5. Classroom intercom volume adjustable from Software interface.
- 6. Classroom paging volume adjustable from Software interface.
- Configured to the school network and can be used in conjunction with IP Addressable Modules.

E. IP Addressable Administrative Console

- 1. A full color screen with 64 soft keys, 3 line select, volume control, push to talk, speakerphone mode and left/right and up/down scrolling.
- 2. Audio paging access from any Console to any single intercom speaker, zone (group) of intercom/paging speakers, or all speakers/paging horns throughout the entire school.
- 3. Programmable soft key access from any console on the system to initiate alarm signals within the school to all or select locations equipped with speakers. A minimum of 25 separate distinct alarm signals shall be provided. Alarm signals originating from any assigned administrative console shall have priority over all regular system functions.
- 4. Programmable soft key access from any console to automatically broadcast page emergency instructions throughout an entire school when an alarm (e.g., lockdown, lockout, security, fire) is tripped or manually activated. The emergency instructions are preprogrammed and require no user intervention. The system provides redundant alarm annunciation over intercom/paging speakers and is not meant to replace primary fire alarm or security systems.
- 5. Ability to perform intercom to any single IP Addressable Speaker Module.

- Ability to display 3 call-ins at a time on the screen while other call-ins are annunciating and the ability to scroll to view all call-ins.
- 7. Ability to upgrade a call-in via soft key.
- 8. Programmable soft key access from any console for activating relays, campus wide.
- Ability to maintain, along with controller and other IP Modules system functions, including intercom, bells and paging for the local campus in the event of districtwide connection loss.
- 10. Classrooms that have not 'checked-in' during an emergency are listed on the Administrative Console's screen.
- 11. The time duration of an emergency is shown on the screen of the administrative console. The check-in timer is shown on the screen of the administrative console.
- F. Audio Paging/Program Amplifiers Ashly NE 8250
 - 1. Power amplifier(s) shall be provided to provide a minimum of 2 watts of power to all paging speakers, and 15 watts of power to all paging horns.
 - 2. The maximum load on the paging/program amplifiers shall be 80% of the rated maximum output of the amplifiers.
- G. Normal/Emergency Call Switch Rauland Dual Level Call-In Switch
 - 1. Normal/Emergency Call Switches indicated on the drawings shall provide the following functions and features:
 - a. One (1) "Normal" call switch that shall activate a distinctive "NORMAL" level call from single button activation. The button shall be clearly marked "NORMAL" and will route the call-in to any one or more Administrative Consoles and/or Marquee Displays for quick and easy response from an Administrative Console.
 - b. One (1) "Emergency" call switch that shall activate a distinctive "EMERGENCY" level call from single button activation. The button shall be red in color and shall be clearly marked "EMERGENCY" and will route the call-in to any one or more Administrative Consoles and/or Displays for guick and easy response from an Administrative Consoles.
- H. Emergency/Check-In Call Switch Rauland Check-In Call-In Switch
 - 1. Emergency/Check-In Call Switched indicated on the drawings shall provide the following functions and features:
 - a. One (1) "Emergency" call switch that shall activate a distinctive "EMERGENCY" level call from single button activation. The button shall be red in color and shall be clearly marked "EMERGENCY" and will route the call-in to any one or more Administrative Consoles and/or Displays for quick and easy response from an Administrative Consoles.
 - b. One (1) "CHECK-IN" call switch that shall activate a distinctive "CHECK-IN" level call from single button activation. The button shall be blue in color and shall be clearly marked "CHECK-IN" and will route the call-in to any one or more Administrative Consoles. This button will be used for emergency check-ins during school emergencies, notifying the front office of the classroom occupants' safety during an emergency.
- Equipment Racks
 - 1. All equipment racks shall provide 44 spaces (77") minimum for mounted system equipment.
 - 2. All equipment racks shall be multi-rack format ("gangable") style, bolted together, and open cavity.
 - 3. All equipment racks will be provided with lockable rear doors.
 - 4. Equipment rack(s) shall be located in climate-controlled areas/rooms as shown on drawings.

- Page 14 Project Nos. 33AC23221
- 5. All head-end, distribution, and source equipment, including data and power, shall be located in racks configured as approved by the Engineer.
- 6. Rack mounted equipment shall be accessible from front and rear.
- 7. All unused rack spaces will be covered with appropriate blank/vent panels.

J. Interior Ceiling Speakers

- 1. Provide Ceiling Speaker Assembly consisting of 8 Ohm, 8" speaker mounted in a 2 foot by 2 foot, lay-in baffle, with an integrated back box that covers the full area of the baffle.
- 2. The speaker shall be connected by inserting an 8-pin RJ45 terminated CAT 5e or Cat 6 cable.
- The speaker shall include provisions to allow attachment of a safety cable if required.
- 4. Quam 17URS 2X2 lay-in speaker or equal for offices and hallways.
- 5. Rauland ACC1400 or equal with backcan for bathrooms and hard ceilings

K. Wall Mounted Horns

- 1. Provide double re-entrant type horn loudspeakers with integral driver. The horn loudspeaker shall be impervious to weather and vandalism. Horn shall be constructed of heavy-duty ABS plastic. Horn loudspeaker drivers shall be rated at 15 watts with a frequency response of 480 Hz to 14 KHz. Sensitivity shall be 106 dB 1 watt, 1 meter. Transformer assembly shall be dual voltage multi-tap type suitable for 25 or 70-volt installations. Dispersion pattern shall be 180 degrees conical. The horn loudspeaker shall be constructed of treated heavy gauge aluminum, with all exposed parts potted and a sealed driver. Wiring terminal shall be fully enclosed. The speaker flange and mounting surface shall have a corkrubber gasket. The horn loudspeakers finish shall be gray baked on enamel.
- 2. The recessed back box shall be of heavy gauge cold-rolled steel, spot welded for stability with a rust-retardant gray primer finish. Acoustically treat the interior to eliminate mechanical resonance. The back box shall be 10-3/4"x10-3/4"x6" deep.
- 3. The baffle shall be vandal proof, the faceplate constructed of 14-gauge carbon steel with a minimum tensile strength of 55,000 PSI. A lattice grid sub-plate shall deny access to the horn but be acoustically transparent for sound projection. Provide tamper-proof, stainless steel mounting hardware. The baffle shall a mar/scratch baked epoxy rust inhibitive finish.

L. Uninterruptible Power Supplies (UPS)

- 1. UPS equipment provided for this system will include Power Conditioning to smooth current and voltage fluctuations.
- 2. UPS equipment will be sized in accordance with the system manufacturer's recommendations.
- 3. Provide an individual UPS for EACH remote gateway outside of the MDF (Gateway) furnished with the system.
- 4. Provide additional UPS(s) for protection of all other equipment furnished with the system and housed in the equipment racks.
- 5. All UPS equipment shall be rack mounted.

M. Wall Mounted Volume Control

1. Provide as shown on floor plans. Provide Atlas AT-10PA or approved equal recessed autotransformer volume control. Routine paging shall not override the volume control.

N. Wall Mounted Emergency Lockdown Button

- 1. Provide Safety Technology International Stopper Station Push, Turn-to-Reset w/shield w/sound, or pre-approved equal in locations as shown on floor plans.
- 2. Labeled "LOCKDOWN"

- Page 15
- Independent School District Project Nos. 33AC23221
- Lockdown shall be Blue
- O. Program Source Equipment
 - 1. RDL D-J3 wall mounted RCA and XLR mic/line input panel, or equal, located at receptionist desk, connected to system headend.
- P. Surge Protector
 - 1. Provide TrippLite IsoBar
- Q. Clock System
 - Master clock power supply and clocks by Sapling.
 - a. Provide 16" clocks at following locations; Cafeteria/commons, Library
 - b. Provide 12" clocks at following locations: Clinic, receptionist desk
- P. Additional Equipment:
 - 1. Contractor shall include in their pricing, the cost to furnish and install the following additional equipment. These devices shall be used to fulfill any changes request issued until the list is depleted. Upon the completion of the project, all remaining material shall be delivered to the project for owner stock. No devices shall be used without documentation and written authorization from the project's technology consultant. Contractor shall obtain a signed transmittal of additional equipment to the owner at the end of the project. The signed transmittal shall be included in the contractor's closeout documents.
 - 2. Additional Equipment List:
 - a. Five (5) Ceiling Mounted Speakers with tile bridges
 - b. Two (2) Wall Mounted Volume Controls
 - c. One (1) Exterior Speakers

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine conditions, with the Installer present, for compliance with requirements and other conditions affecting the performance of the School Communications and School Safety Network.
- B. Do not proceed until unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. General: Install system in accordance with NFPA 70 and other applicable codes. Install equipment in accordance with manufacturer's written instructions.
- B. Furnish and install all material, devices, components, and equipment for a complete operational system.
- C. Impedance and Level Matching: Carefully match input and output impedances and signal levels at signal interfaces. Provide matching networks where required.
- D. Control Circuit Wiring: Install control circuits in accordance with NFPA 70 and as indicated. Provide number of conductors as recommended by system manufacturer to provide control functions indicated or specified.
- E. All housings are to be located as indicated.
- F. The contractor shall provide necessary transient protection on the AC power feed, all

copper station lines leaving or entering the building, and all central office trunks. All protection shall be as recommended by the equipment supplier and referenced to earth ground.

- G. Wiring within Enclosures: Provide adequate length of conductors. Bundle, lace, and train the conductors to terminal points with no excess. Provide and use lacing bars.
- H. Provide physical isolation from speaker-microphone, telephone, line-level wiring, and power wiring. Run in separate raceways, or where exposed or in same enclosure, provide 12-inch minimum separation between conductors to speaker-microphones, telephone wiring and adjacent parallel power. Provide physical separation as recommended by equipment manufacturer for other system conductors.
- I. Identification of Conductors and Cables: Use color coding of conductors and apply wire and cable marking tape to designate wires and cables so all media are identified in coordination with system wiring diagrams.
- J. Provide integration of local sound reinforcement system override.
- K. Provide integration of remote lockdown pushbuttons.
- L. Install new speaker types as indicated on the drawings.
- M. Speakers in high ambient noise areas (cafetorium, gymnasiums, etc.) shall be tapped as required to overcome the ambient noise generated by the public.
- N. Provide silicone sealant to all openings and conduit penetrations at all exterior back box locations.
- O. Weatherproofing: Provide weatherproof enclosures for items to be mounted outdoors or exposed to weather.
- P. All exterior wall penetrations shall be properly sealed to prevent moisture from entering the building.
- Q. Conduit and Cables
 - 1. Install conduit, fittings and boxes as specified in Division 26.
 - Single system cables shall be grouped together in a common conduit of adequate capacity to facilitate the ease of installation and prevent conductor or insulation damage.
 - a. In no case shall the conduit fill exceed 40% capacity.
 - b. Do not group conductors or cables of different systems in a common conduit
 - c. Provide and install protective bushings on all conduit stub outs and sleeves, prior to cable installation, to prevent cable damage.
 - 3. Cable:
 - Install cables as recommended by the system manufacturer. Conductor quantities specified are minimum required. Conductors to be installed shall be coordinated with the system equipment supplier.
 - b. Cables installed on exposed surfaces, in inaccessible locations, or underground shall be installed in conduit.
 - c. Cables installed above accessible ceiling spaces may be installed without conduit. All cables not installed in conduit shall be plenum rated.
 - d. Cables shall be routed down corridors, parallel and perpendicular to the building walls and structure. Cable to each device shall branch off a main corridor trunk.

- e. Routing cables through classrooms, offices, storage rooms, restrooms, or any type of room other than a corridor will not be accepted. Enter rooms above the associated room doorway.
- f. All cabling shall be home runs to head-end equipment to allow for zoning to be accomplished.
- 4. Cables not installed in conduit shall be grouped and bundled. Cable shall be bundled on a maximum of 2'-6" on center. Support cables from D-rings or J-hooks. D-rings and J-hooks shall be secured to the structure at a maximum of 5' on center. Bundling and support shall be with plenum rated cable ties.
- Cables installed in hollow wall spaces shall be installed in conduit to an accessible location.
- 6. Tag each circuit at each end and at each terminal with a separate tag indicating the area served.

R. Emergency Lockdown Buttons

- Cabling for each Emergency Lockdown Button shall be homerun to the Communication System head-end equipment.
- 2. Communications system shall communicate with intrusion system over the network when there is a lockdown event.
- 3. Provide connection from the Communication System head-end equipment to the Intrusion Detection System head-end for sending notifications to the CFISD Police Department. Coordinate additional requirements and programming with Owner.
- 4. Button shall cause the Intercom System to send a distinct alert tone throughout all speakers in the building. Coordinate exact tone with Owner.
- 5. Button shall send an Emergency Call signal to all Administrative Call Stations.
- 6. Communication System shall alert essential personnel via SMS and e-mail that a Lockdown event has occurred at the campus. Coordinate additional requirements with Owner.
- 7. Buttons and alert tone shall be reset by pressing the All-Clear button on any Administrative Call Station console.
- 8. Coordinate Emergency Lockdown Button device identification naming with Owner.

S. Volume Controls

 Volume Controls shall be configured with emergency call override, allowing emergency announcements to be heard regardless of the position of the volume control.

3.3 ADDITIONAL REQUIREMENTS

A. Provide visual PA indicator light in deaf education areas and wire into the communications system for bell tones.

3.4 GROUNDING

- A. Provide equipment grounding connections for Integrated Electronic Communications Network systems as indicated. Tighten connections to comply with tightening torques specified in UL Standard 486A to assure permanent and effective grounds.
- B. Racks and cabinets shall be grounded to the metallic structure of the building or to the building system power ground in accordance with NEC section 250. Securely bond equipment to the ground system through a minimum 14-gauge green insulated conductor.
- C. Ground equipment, conductor, and cable shields to eliminate shock hazard and to

minimize to the greatest extent possible, ground loops, common mode returns, noise pickup, cross talk, and other impairments. Provide 5-ohm ground at main equipment location. Measure, record, and report ground resistance.

- D. Electronic systems shall be grounded to the building system ground, with a maximum resistance of 0.1 ohm. Systems ground shall be a driven ground rod, building steel, or other approved ground of the building power systems ground.
- E. Provide all necessary transient protection on the AC power feed and on all copper station lines leaving or entering the building. Note in system drawings, the type and location of these protection devices as well as all wiring information.

3.5 FIELD QUALITY CONTROL

- A. Manufacturer's Field Services: Provide services of a duly factory authorized service representative for this project location to supervise the field assembly and connection of components and the pre-testing, testing, and adjustment of the system.
- B. Inspection: Make observations to verify that units and controls are properly labeled, and interconnecting wires and terminals are identified. Provide a list of final tap settings of paging speaker line matching transformers.
- C. Testing: Rectify deficiencies indicated by tests and completely re-test work affected by such deficiencies at Contractor's expense. Verify by the system test that the total system meets the Specifications and complies with applicable standards.

3.6 FINAL ACCEPTANCE TESTING

- A. The Final Acceptance Testing shall be provided to the Owner, or the Owners designated representative only. Final acceptance testing to any other trade or service provider for the project will not comply with the requirements of this section.
- B. The contractor will provide a Final Acceptance Test record document signed by both the contractor and the Owner or designated Owner's Representative establishing the "In Warranty" date. The warranty period will not commence until the Final Acceptance Test is completed.
- C. Be prepared to verify the performance of any portion of the installation by demonstration, listening and viewing test, and instrumented measurements. Make additional adjustments within the scope of work and which are deemed necessary by the Owner because of the acceptance test.

3.7 COMMISSIONING

- A. The contractor shall train the Owner's maintenance personnel in the procedures and schedules involved in operating, troubleshooting, servicing, and preventative maintenance of the system. This training will be in accordance with the training as outlined in Section 1.6 of these specifications. In addition to the Training Materials provided, the contractor will also furnish Operators Manuals and Users Guides at the time of this training.
- B. Schedule training with Owner through the Owner's representative, with at least seven days advance notice.

3.8 OCCUPANCY ADJUSTMENTS

Page 19 Project Nos. 33AC23221

A. The contractor shall provide Occupancy Adjustments in accordance with Section 1.6 of these specifications. A response scenario amenable to both the owner and the contractor will be established and followed for the first year of service.

3.9 CLEANING AND PROTECTION

A. Prior to final acceptance, the contractor shall vacuum and clean all system components and protect them from damage and deterioration. All blank spaces in equipment cabinets will be covered with blank panels. Top and side panels, and all cabinet doors will be installed. All general areas within and around all equipment rack/cabinets in the facility will be swept, vacuumed, and cleaned up. No cabinets will be left unlocked, and all cabinet keys will be turned over to the owner or designated owner's representative.

END OF SECTION 27 50 00

SECTION 28 20 00 - VIDEO SURVEILLANCE SYSTEM (VSS)

PART 1-GENERAL

1.1 RELATED WORK

- A. The following, in their entirety and as applicable, shall apply to this section. Including any associated drawings.
 - 1. Conditions of the Contract
 - 2. Division 1
 - 3. Division 26
 - 4. Division 27
 - 5. Division 28

1.2 DESCRIPTION OF WORK

- A. Provide a complete and tested IP based digital video surveillance system (VSS) including cameras, cabling, digital image storage, integration and accessibility with Owner's Local/Wide Area Network (LAN/WAN), Internet accessibility thru remote view application software and simultaneous user access capability. Provide fully terminated unshielded twisted pair (UTP) cable, UTP terminations, racks, raceways, conduit, and other incidental and miscellaneous premises wiring system hardware as required for a complete and useable system. The installation shall comply with applicable codes and standards in effect at the job site and as indicated in the Specifications and Drawings.
- B. The system shall be Non-Proprietary in nature and be available through multiple distribution channels in the nearest metropolitan marketplace. Systems that are manufactured and installed by a factory office and are not available through multiple distribution channels will not be accepted.
- C. Provide all electronic hardware and coordinate with the building's LAN/WAN. The contractor shall coordinate with other system vendors, where appropriate, to facilitate equipment installation, scheduling, protection of equipment and access to the project site in order to provide the Owner a substantially complete project in a timely manner.
- D. Acceptable manufacturers of NVR equipment shall be GCON Systems Enterprise Class NVR System or BCD Video Network Video Recorder only. Contractor must be a current Exacq Enterprise Certified integrator of the solution in the Houston marketplace and be able to include information on current support staff to be able to service this client. Seneca NVR part numbers and configuration are listed in the specification to define equipment capabilities and requirements for this project.
- E. Contractor must be a current integrator of solution in the Houston marketplace and be able to include information on current support staff to be able to service this client as needed 24x7 for emergency support.
- F. Contractor shall provide a complete turnkey solution to the owner and be responsible for the complete installation of a security camera system.
- G. The contractor must be in good standing with the district and have no outstanding performance or warranty items at the time of bid. Any outstanding items or issues is grounds to disqualify the contractors bid.

Page 1

1.3 QUALITY ASSURANCE

- A. Installer Qualifications:
 - 1. The Video Surveillance System Installer shall be Exacq Enterprise certified and shall meet all applicable regulations. The Contractor shall be a firm normally employed in the security and surveillance industry.
 - 2. The contractor shall be certified by the manufacturing company in all aspects of design, installation and testing of the products described herein. Each contractor shall furnish with their submittal a letter from the manufacture indicating they are a dealer in good standing.
 - 3. The contractor must be certified by the manufacturer of the products, adhere to the engineering, installation and testing procedures and utilize the authorized manufacturer components and distribution channels.
 - 4. The contractor shall be experienced in all aspects of this work and shall be required to demonstrate direct experience on recent systems of similar type and size. The contractor shall own and maintain tools and equipment necessary for successful installation and testing of video surveillance distribution systems and have personnel who are adequately trained in the use of such tools and equipment.
 - 5. A resume of qualifications shall be submitted with the Contractor's proposal indicating the following:
 - A list of five recently completed projects using the product proposed of similar type and size with contact names and telephone numbers for each.
 - b. A list of test equipment proposed for use in verifying the installed integrity of metallic cable systems on this project.
 - c. A technical resume of experience for the contractor's Project Manager and on-site installation supervisor who shall be assigned to this project.
 - d. A list of technical product training attended by the contractor's personnel that shall install the video surveillance system shall be submitted.
 - e. Any subcontractor who shall assist the video surveillance contractor in performance of this work shall have the same training and certification as the video surveillance contractor.
- B. The Owner's representative reserves the right to reject all or a portion of the work performed, either on technical or aesthetic grounds.

1.4 REGULATORY REQUIREMENTS

- A. Standards: All work shall be performed in accordance with the latest revisions of the following standards and codes:
 - 1. Local Building Code
 - 2. Local Electrical Code
 - NEC National Electrical Code
- B. Other references:
 - 1. TIA/EIA-568-A Commercial Building Telecommunications Wiring Standard
 - 2. EIA/TIA-569 Commercial Building Standard for Telecommunications Pathways and Spaces.
 - 3. TIA/EIA-606 The Administration Standard for the Telecommunications Infrastructure of Commercial Buildings
 - 4. TIA/EIA-607 Commercial Building Grounding and Bonding Requirements for Telecommunications
 - 5. TIA/EIA TSB 67 Transmission Performance Specification for Field Testing of Unshielded Twisted-Pair Cabling Systems.
 - 6. ISO/IEC 11801 Generic Cabling Standard

Page 2

- 7. EN 50173 Generic Cabling Standards for Customer Premises
- C. Governing Codes and Conflicts: If the requirements of these specifications or the Project Drawings exceed those of the governing codes, regulations, and manufacturer installation requirements, then the requirements of these specifications and the drawings shall govern. However, nothing in the drawings or specifications shall be construed to permit work not conforming to all governing codes, regulations, and manufacturer installation requirements.

1.5 SUBMITTALS

- A. Project Initiation: Within fourteen (14) days of Notice to Proceed, the data network system installer shall furnish the following in a single consolidated submittal:
 - 1. Permits: The Contractor shall obtain all required permits and provide copies to the Owner / Architect / Engineer.
 - 2. Product Literature: Complete manufacturer's product literature for all material, hardware, and equipment to be used in the installation of the specified system. In addition, whenever substitutions for recommended products are made, samples (when requested by the Owner / Designer) and the manufacturer's supporting documentation demonstrating compatibility with other related products shall be included. The submittal shall have some type of distinguishing marker or pointer to indicated what specific product is to be provided
 - 3. Construction Schedule: A time-scaled Construction Schedule, indicating general project deadlines and specific dates relating to the installation of the cable distribution system.
 - 4. Specification Compliance: A letter shall be provided stating, by section and subsection, that the SCS installer complies with the entire specification section. If the installer intends to deviate from any portion of the specifications, a detailed explanation of reason in which the installer would like to deviate shall be provided in addition to the specification compliance letter. No deviations shall be acceptable until they have been approved by the Owner.
 - 5. Each Submittal must have a detailed parts list. Quantities will not be required as the quantity of any portion of this system shall be as required for a complete and functional system and in conjunction with the contract documents.
 - 6. Certifications: The contractor shall submit all certifications for approved products and the certifications must contain dates which are valid from the date of proposal and not expirer any sooner than 12 months after substantial completion of the project.
 - a. Physical Security Professional (PSP) Certification: This certification must be held by an on-staff, full-time employee of the system installer. The holder must be staffed out of the office that is located within 75 miles of the projected.
 - b. Manufacturer Authorized Dealer Certification must be held by the system installer's office that is located within 75 miles of the project and shall be a company certification, not and individual certification.
 - c. Installer Certifications: Certification indicating that an individual has successfully completed installer training, issued by the VMS and Cameras Manufacturers specified herein, must be held by at least 25% of the, onsite, staff and be made available at the site if requested by the owner, architect, and/or project's technology consultant.
- B. Shop Drawings: Submit the following items, for Owner review and approval, within twenty-eight (28) days of notice to proceed:
 - 1. Proposed cable routing and grouping plan.
 - 2. In addition to the cable routing, the submitted drawings shall indicate the following, even if the following is expected to be provided by the project's electrical or general

Page 3

contractor:

- a. Location of sleeved wall and floor pass-thru
- b. Size of sleeve at each location installed
- c. Quantity of cable passing through each sleeve
- d. Location of devices and head end equipment.
- e. Conduit routing, size, and quantity
- 3. Drawing Compliance: A letter shall be provided stating that the system installer complies with the entire project drawing, including all general, keyed, and notes to contractor. If the installer intends to deviate from any portion of the specifications, a detailed explanation of reason in which the installer would like to deviate shall be provided in addition to the specification compliance letter. No deviations shall be acceptable until they have been approved by the Owner.
- 4. All subcontractors shall provide submittals to general contractor for normal distribution to Architects, Engineers and the Owner's project managers.
- C. At Substantial Completion: Provide drawings, to the Owner, to reflect installed cabling with correct labeling and cable routing.
- D. Close-out Procedures: Two (2) copies of the following documents shall be delivered to the building owner's representative at the time of system acceptance. Close out technology documents shall be separated from all other trade's documents. The close out finals shall include:
 - Inspection and Test Reports: During the course of the Project, the Contractor shall maintain an adequate inspection system to ensure that the materials supplied, and the work performed, conform to contract requirements. The Contractor shall provide written documentation that indicates that materials acceptance testing was conducted as specified. The Contractor shall also provide documentation, which indicates that all cable termination testing was completed and that all irregularities were corrected prior to job completion.
 - 2. Include the Name, address and telephone of the authorized factory representative with a 24-hour emergency service number.
 - 3. The manual shall also include Manufacturer's data sheets and installation manuals/instructions for all equipment installed a list of recommended spare parts.
 - 4. Generic or typical owner's instruction and operation manual shall not be acceptable to fulfill this requirement.
 - 5. An up-to-date record ("as-built") set of approved shop drawing prints that have been revised to show each and every change made to the structure cabling system from the original approved shop drawings. Drawings shall consist of a scaled plan of each building showing the placement of each individual item of the technical cabling system equipment as well as raceway size and routing, junction boxes, and conductor size, quantity, and color in each raceway.
 - 6. As-built Drawings shall include cable pathways, camera locations with correct labeling and MDF/IDF locations. A copy of the As-Built drawings reflecting the final locations of all cabling shall be given to the designated Owner's representative. The as-built drawings shall be prepared using AutoCAD 2012 or later. Provide the Owner with electronic versions of the as-builts on CD media.
 - 7. All drawings must reflect final graphic numbering, point to point wiring, device address and programmed characteristics as verified in the presence of the engineer and/or the end user unless device addressing is electronically generated, and automatically graphically self-documented by the system.
 - 8. A copy of the manufacturer's warranty on the installed system.
 - 9. Any keys to cabinets and/or equipment and special maintenance tools required to repair, maintain, or service the system.
 - 10. Operating and Maintenance Instructions for all devices within the system. These instructions shall reflect any changes made during the course of construction, and shall be provided to the Owner, for their use, in a three-ring binder labeled with the

Page 4

project name and description. (4 copies)

11. Upon completion of the work and at a time designated by the Architect or owner, provide formal training sessions for the Owner's operating personnel to include location, operation, and maintenance of all included systems and equipment. Minimum amount of training time shall be at least 4 hours.

1.6 QUALITY ASSURANCE

A. Contractor Qualifications:

- The system installer shall be the authorized representative of the manufacturer to sell, install, and service the proposed manufacturer's equipment. The system installer shall have represented the security alarm manufacturer's product for a minimum of five (5) years' with experience installing and servicing systems of similar scope and complexity and evidence that is completed at least three (3) projects of similar design and is currently engaged in the installation and maintenance of systems herein described.
- The system installer shall be licensed as required, by the State in which the 2. project is located in, as a security services contractor to design, sell, install, and service security alarm systems.
- The system installer shall provide 24-hour, 365 days per year emergency service 3. with factory trained service technicians.
- The installing firm shall have personnel on their staff that has been actively 4. engaged in the business of designing, selling, installing, and servicing security systems for at least ten (10) years.
- 5. The proposing contractor for this system and the installing contractor of this system shall be of the same organization. Absolutely no subcontracting of any portion of this system by the proposing contractor will be allowed.
- 6. The proposing/installing contractor of this system must be an authorized dealer / integrator for the project's specified Access Control, Audio / Video Intercom, and the Intrusion Detection systems as well as the system specified in this section.
- 7. Contractor must be a current integrator of solution in the closest major metropolitan area marketplace, have a permanent office located within 75-miles of the project, and be able to include information on current support staff to be able to service this client.
- 8. All installation, configuration, setup, program and related work shall be performed by electronic technicians thoroughly trained by the manufacturer in the installation and service of the equipment provided.
- 9. The system installer shall submit credentials of completed manufacturer certification, verified by a third-party organization, as proof of the knowledge.
- 10. The Contractor shall provide four (4) current references from clients with systems of similar scope and complexity that became operational in the past three (3) years. At least three (3) of the references shall be utilizing the same system components, in a similar configuration as the proposed system
- 11. Contractor must be in good standing with the Owner and have no outstanding performance or warranty items at the time of bid. Any outstanding items or issues is grounds to disqualify the Contractor for performing any work on the project.

1.7 PRE-INSTALLATION MEETINGS

No less than a minimum of two weeks prior to rough-in or installation of any system A. devices, the Installer will be required to attend a pre-construction meeting with the Owner, Architect, and Security Consultant.

1.8 DELIVERY, STORAGE, AND HANDLING

Α. Deliver and store products in manufacturer's unopened packaging bearing the brand

Page 5

name and manufacturer's identification until ready for installation.

B. Handling: Handle materials to avoid damage.

1.9 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.10 SEQUENCING

A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1.11 WARRANTY

- A. The VSS furnished by the System Integrator including wiring, software, hardware and third-party products shall be fully warranted for parts, materials and labor for a minimum of 1 year from date of the final acceptance.
- B. Manufacturer shall provide a limited 3-year warranty for the product to be free of defects in material and workmanship.

PART 2-PRODUCTS

2.1 GENERAL

- A. The data cabling to each camera location on this project shall be provided and installed by the data cabling contractor. The security camera installing contractor shall be responsible for the installation of all power wiring for exterior PTZ domes and power supplies.
- B. The Contractor is responsible for providing all incidental and/or miscellaneous hardware not explicitly specified below as required for a complete and operational system.
- C. Materials shall be as listed no alternate products will be allowed without prior consent of the projects security consultant. Any items approved as equivalent products shall be published by addendum ten days prior to proposal for Architect/Engineer review.
- D. All equipment and materials used shall be standard components, regularly manufactured, regularly utilized in the manufacturer's system.
- E. All systems and components shall have been thoroughly tested and proven in actual use.
- F. All systems and components shall be provided with the availability of a toll free 24-hour technical support phone number from the manufacturer. The phone number shall allow for immediate technical assistance for either the dealer/installer or the end user at no charge.
- G. All systems and components shall be provided with an explicit manufacturer warranty.

2.2 DATA CLOSET (MDF/IDF) TERMINATION HARDWARE

A. Provide and Install new Tripplite, #B030-008-17-IP, NetDirector 8-Port 1U Rack-Mount Console HDMI KVM Switch with 17 in. LCD and IP Remote Access, Dual Rail.

Page 6

- B. Security contractor is responsible to coordinate with district police technology department on acquiring network connections as well as any network configuration information such as IP numbers that will be required to connect NVR servers to district network.
- C. Security contractor is responsible to provide network cabling connection, either fiber or category 6A, to owner provided network equipment. This connection allows NVR to be connected to owner's local area network.
- D. Security contractor shall provide (1) Minuteman E2000RTXL2U ups per NVR unit at each rack location to support NVR equipment. Provide 120v. electrical connection at location where NVR is installed.

2.3 CABLE AND INSTALLATION

- A. The Contractor shall provide and install all low voltage plenum rated power cable to exterior PTZ dome camera locations from a central power supply(s). Each power cable shall be individually fused at the power supply so a short in one power cable will blow that fuse and not affect the other cameras. The power supply will be UL listed in an approved enclosure. It is the responsibly of the Contractor to size the power supply to handle the full load of the cameras.
- B. The data cabling to each camera location on this project will be provided and installed by cabling contractor certified by Systimax and authorized to install the cable plant and connectivity products. All category 6A cable shall be Systimax Purple 2071 CAT6A.
- C. Camera contractor is responsible to request and oversee all penetrations and all conduit runs as necessary for installation of CCTV installation.
- D. All exterior penetrations require necessary weatherproofing to avoid moisture penetration.
- E. All Cameras will require 10ft purple Cat6A patch chord at camera location and 7ft purple Cat6A patch chord at panel location provided by certified Systimax Data contractor.
- F. All outdoor cable runs underground shall be in fiber rated for underground use according to Technology specs.
- G. All power circuits required for the NVR servers are to originate as emergency power from its provided UPS.
- H. Contractor shall not run any power cabling for any security equipment on rack tray system due to EMI considerations. Contractor shall provide individual cabling support for all low voltage power cabling.
- I. All cabling for entire project shall be installed at 5'-0" intervals in dedicated support system using a j-hooks support system. Cable supports will be securely attached directly to building structure. Do not attach cabling or supports to ductwork, piping, grid hangers, conduit, or equipment.
- J. Refer to CFISD structured cabling specifications for Category 6A materials and methods.
- K. All category 6A cabling shall be routed to existing MDF and IDF locations and be terminated on existing racks. Provide additional patch panels as required and label ports

Page 7

using existing labeling scheme.

L. For all cameras that will exceed the maximum category 6A cable limitation the contractor shall provide and install Veracity Outreach Max universal Ethernet and Poe Extender and clearly identify on as-builts. If installed a spare unit will be provided to the owner.

2.4 PROPOSALS

A. All proposals shall be in the format as shown in the General Conditions Section of the Specification.

2.5 DIGITAL VIDEO RECORDING, MANAGEMENT AND TRANSMISSION SYSTEM

- A. The contractor shall provide and install Network Video Recorders for this project.
- B. Final connection for all new IP cameras shall be provided by the camera contractor. Coordinate all recording settings and functions with owner prior to programming.
- C. Network Video Recorders shall be preprogrammed to include a floor plan graphic of each school and the exact camera locations and name of cameras. Field verification of camera names is required to complete this task.

2.6 EQUIPMENT REQUIRED

- A. Provide a 5-year warranty for all NVR equipment.
- B. Digital Video Recorders:
 - Provide one GCON Systems Enterprise Class NVR System or BCD Video Network Video Recorder, per 50 cameras to be installed unless stated otherwise by the owner.
 - 2. The contractor shall coordinate correct Exacq software version prior to submitting or procuring equipment.
 - 3. NVR must have SSA agreement in place for two years at time of install.
 - 4. In response to proposal, contractor shall provide owner with amounts for annual service maintenance agreement that can be purchased after warranty period has expired.

2.7 CAMERAS

A. Camera Types:

- 1. All ceiling mounted cameras shall be surface mounted on the ceiling using ceiling mounting kit and accessible by 10ft ladder.
- 2. All cameras shown on the drawings to be corner mounted shall receive corner mount kit by specified camera manufacturer, no exception.
- 3. Interior Fixed cameras shall be Bosch Flexidome 5000i or AXIS P3265LV if primary is not available. TYPE C
- 4. Exterior Fixed cameras shall be Bosch Flexidome 5000i or Axis P3265-LVE if primary is not available. TYPE B
- 5. Interior Fish Eye cameras shall be Bosch Flexidome 5100I 6mp. TYPE E
- Multi sensor Interior/Exterior Camera shall be Axis P3727-PLE or Wisenet PNM-C16083RVQ

 — TYPE A
- 7. Duo Cameras shall be AXIS P4707-PLVE Platform with IR or Wisenet PNM-7082RVD if Axis is unavailable. TYPE D
- 8. Axis F9114 and Axis F4105-LRE sensors shall be provided to view around a column or skylight where a center mounted single camera cannot be employed. All F4105-LRE lens must be installed with Axis TU6005 plenum cable accessory.

Page 8

- TYPE F

- Specialty PTZ camera will be Axis Q6318-LE PTZ if specifically called for by owner-TYPE G
- B. Field of View Determination by the contractor as necessary for fixed camera locations shall be performed at no additional cost to provide the view desired by the owner. Contractor shall coordinate all final camera views and locations with owner for final approval.
- C. IP camera address scheme will be provided to contractor by the owner. All Camera addresses shall follow the provided scheme and be sequential.
- D. Refer to Drawings for additional camera part numbers, Quantities.
- E. Confirmation of camera type per location requires customer verification.

2.8 ADDITIONAL HARDWARE OR EQUIPMENT REQUIRED

- A. Licensing to be provided for all necessary equipment.
- B. Camera mounts and brackets shall be per camera manufacturer.
- C. One ViewSonic VX3211-2K-MHD 32" LED Monitor is required per NVR.
- D. One of each type of camera used on the project is required upon final inspection for spare replacement equipment.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Fire Wall Penetrations: The Contractor shall avoid penetration of fire rated walls and floors wherever possible. Contractor shall also seal all floor, ceiling and wall penetrations in fire or smoke barriers and in the wiring closet.
- Provide three sided pre-finished metal hood and seal to wall where conduit penetrates exterior wall.
- C. Install new conduit on portable pipe supports- (low profile type), as manufactured by Portable Pipe Hangers or Advanced Support Products. Provide roof protection pads under each support. Coordinate location and routing with design engineer prior to roughin or installation of system.
- Do not install wall mounted cameras into metal fascia. Ensure they are mounted into brick, and sealed top sides (Not bottom)

E. Wall Penetrations:

- Exterior Penetrations- shall be performed by a certified electrical contractor and be sleeved with metallic conduit and resealed with an Underwriter Laboratories (UL) approved sealant.
- 2. Interior Penetrations- shall be sleeved with metallic conduit and resealed with an Underwriter Laboratories (UL) approved sealant.

F. Cable Pathway:

1. In suspended ceiling and raised floor areas where duct, cable trays or conduit are not available, the Contractor shall bundle, in bundles of 25 cables or less,

Page 9

with cable ties snug, but not deforming the cable geometry. Cable bundles shall be supported via "J" hooks attached to the existing building structure and framework at a maximum of five (5) foot intervals. Plenum rated cable ties shall be used in all appropriate areas. The Contractor shall adhere to the manufacturer's requirements for bending radius and pulling tension of all cables.

- 2. Cables shall not be attached to lift out ceiling grid supports or laid directly on the ceiling grid.
- 3. Cables shall not be attached to or supported by fire sprinkler heads or delivery systems or any environmental sensor located in the ceiling air space.

3.2 EQUIPMENT RACK CONFIGURATION

- A. Cable Placement: Cable installation in the wiring closet must conform to the Project Drawings. All cabling shall be routed so as to avoid interference with any other service or system, operation, or maintenance location. Avoid crossing areas horizontally just above or below any riser conduit. Lay and dress cables to allow other cables to enter the conduit/riser without difficulty at a later time by maintaining a working distance from these openings.
- B. All incoming cables shall be routed on the cable tray and neatly dressed down to the patch panels
- C. Cable shall be routed as closely as possible to the ceiling, floor or corners to ensure that adequate wall or backboard space is available for current and future equipment. All cable runs within the wiring closet shall be horizontal or vertical within the constraints of minimum cable bending radii. Minimum bend radius shall be observed. Cables shall not be tie-wrapped to electrical conduit or other equipment.

3.3 WIRING INSTALLATION

A. General:

- 1. Cabling between wiring closet and camera locations shall be made as individual home runs. No intermediate splices may be installed or utilized between the wiring closet and the camera location.
- 2. All cable must be handled with care during installation so as not to change performance specifications.
- B. Exposed Cable: All cabling shall be installed inside walls or ceiling spaces whenever possible. Exposed cable shall only be run where indicated on the Drawings. Additional exposed cable runs shall require Owner approval, and shall only be allowed when no other options exist. Cabling shall be installed concealed at all times, except in unfinished mechanical rooms or wiring closets where cable shall be installed exposed and located to avoid conflicts with pass-through cabling, etc. Tie wraps shall be used to provide a neat appearance. Provide "D" rings or the appropriate cable guides to dress the cable.
- C. Placement: All cabling and associated hardware shall be placed so as to make efficient use of available space. All cabling and associated hardware shall be placed so as not to impair the Owner's efficient use of their full capacity.
- D. Cable Routes: All cabling placed in ceiling areas must be in conduit, cable tray, or J-Hooks. Cable supports shall be permanently anchored to building structure or substrates. Provide attachment hardware and anchors designed for the structure to which attached and that are suitably sized to carry the weight of the cables to be supported. Attaching cable to pipes or other mechanical items is not permitted. Use J-Hooks for up to 15 cables (Caddy CAT 21 or CAT 32 hooks with appropriate brackets). All runs of sixteen (16) or more cables, provide cable rings on 36" maximum centers to hang cable. Cable

shall be routed so as to provide a minimum of 18" spacing from light fixtures, sources of heat, power feeder conduits and EMI sources. Cabling shall not be attached to ceiling grid support wires. Cable runs shall be parallel or perpendicular to building structure. Multiple cables to be banded together every 6 feet.

3.4 DOCUMENTATION

- A. Labels: The Contractor shall label all outlets using permanent machine engraved labels approved by the Owner. Label patch panels in the wiring closet to match those on corresponding camera locations. The font shall be at least one-eighth inch (1/8") in height, block. All labels shall correspond to as-builts and to final test reports.
- B. Contractor shall ensure complete typed labeling of all cameras with numbers that correspond to locations on video server. Labeling system shall correspond to the Owner's labeling system. Verify with Owner. Provide tags (black letters on white labels, plastic coated) on all cables and outlets.
- C. All cables shall be labeled at both ends with a machine label and all terminations shall be stenciled with a typed label for quick circuit identification. Labeling shall conform to TIA/EIA standard 606 and include interconnect cable identification numbers.
- D. A floor plan, clearly labeled with all numbered camera locations, shall be included in the as-built plans.

3.5 CABLE TESTING - BY MANUFACTURER'S REQUIREMENTS

- A. Notification: The Owner/Architect/Engineer shall be notified one week prior to any testing so that the testing may be witnessed.
- B. Final Acceptance: Before requesting a final acceptance, the Contractor shall perform a series of end-to-end installation performance tests. The Contractor shall submit for approval a proposal describing the test procedures, test result forms and time table for all copper and fiber optic cabling.
- C. Procedures: Trained personnel shall perform all testing. Acceptance of the test procedures discussed below is predicated on the Contractor's use of the recommended products and adherence to the inspection requirements and practices set forth. Acceptance of the completed installation shall be evaluated in the context of each of these factors.
- D. Errors: When errors are found, the source of each error shall be determined, corrected and the cable retested. All defective components shall be replaced and retested. Retest results must be entered on the test results form. All corrections shall be made prior to final acceptance test.

3.6 INSPECTION

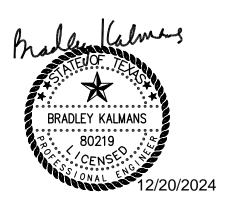
A. Conformance to the installation practices covered above are to be verified when completed. In some cases, the Owner / Architect / Engineer may observe before acceptance.

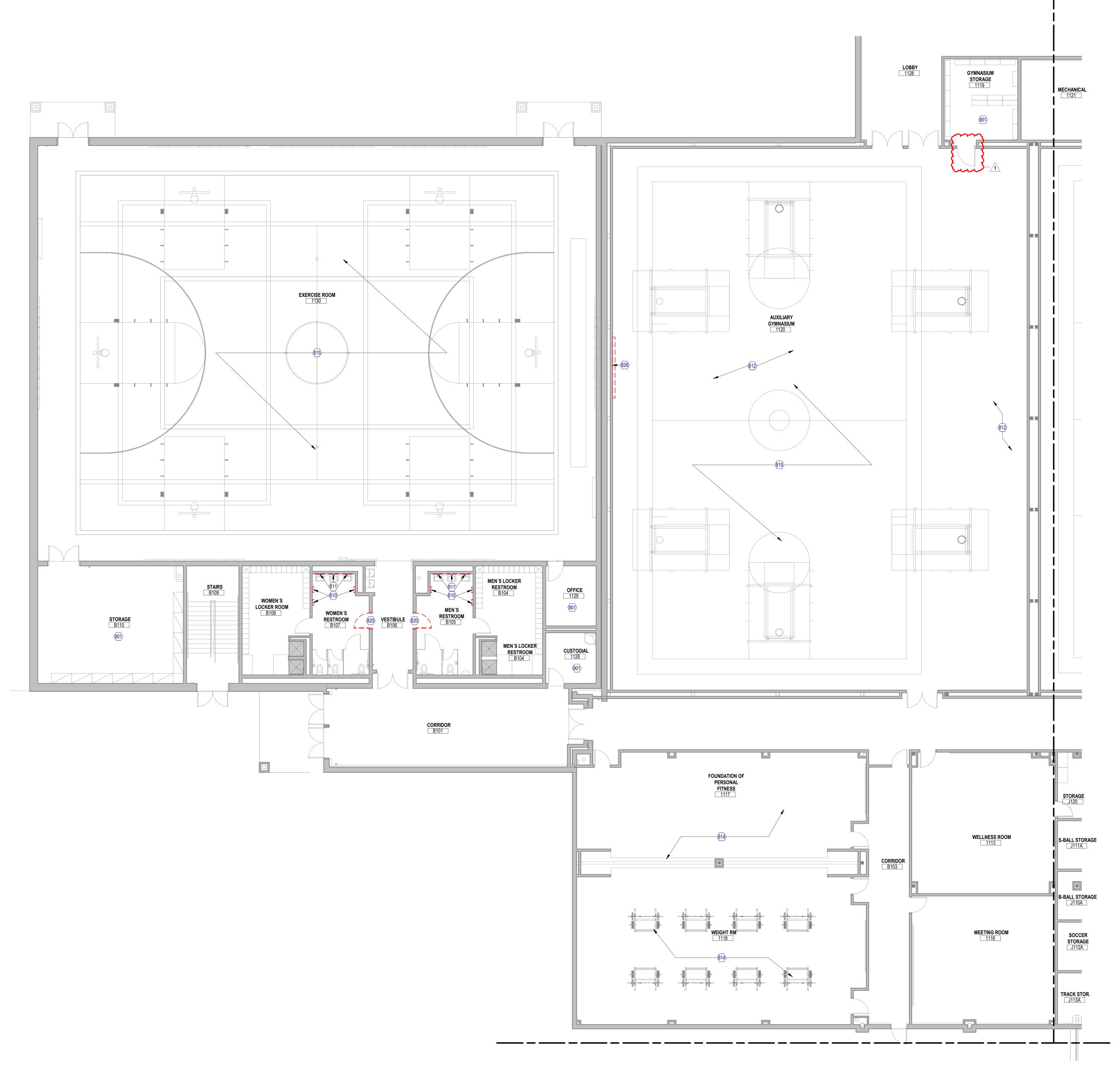
3.7 WARRANTY

A. Labor and all other costs as necessary to maintain the equipment in operating condition as intended by the product manufacturer after a period of 1 year shall be negotiated with the owner upon project completion.

B. Guarantee and warrant all equipment provided for a period of 3 years following date of substantial completion, or a period equal to the stated guaranty/warranty offered by the product manufacturer, whichever is the longest in duration. All such warranties shall include all parts (NVR's, and Cameras).

END OF SECTION





DEMOLITION PLAN GENERAL NOTES

1. COORDINATE ALL DEMOLITION FROM ALL DISCIPLINES WITH THE INFORMATION PROVIDED ON CONTRACT DOCUMENTS.

2. ALL MATERIAL TO BE DEMOLISHED AND REMOVED SHALL BE DISPOSED OF AS APPROVED BY LOCAL ORDINANCE AND CODES.

3. THE EXISTING AREAS TO REMAIN SHALL BE PROTECTED. ALL DAMAGE RESULTING FROM WORK IN THIS CONTRACT SHALL BE RETURNED TO ITS ORIGINAL STATE. CAREFULLY DISMANTLE AND REMOVE MATERIALS SHOWN ON PLANS TO BE

DEMOLISHED. NOTIFY ARCHITECT PRIOR TO CONSTRUCTION OF ANY DEMOLITION WORK THAT MAY DAMAGE THE INTEGRITY OF ANY MATERIALS WHICH ARE TO REMAIN AS EXISTING.

4. PARTS OF THIS BUILDING WILL BE ACTIVE. THE CONTRACTOR SHALL COORDINATE ALL SYSTEM SHUT DOWNS WITH THE FACILITY MANAGER. THE CONTRACTOR SHALL INFORM THE FACILITY MANAGER OF SCHEDULE, DURATION AND AREAS AFFECTED AND SHALL RECEIVE OWNER APPROVAL PRIOR TO SHUT DOWN COMMENCEMENT.

5. THE PREMISES IN WHICH WORK IS BEING PERFORMED SHALL BE KEPT CLEAN AT ALL 6. EXISTING CONCRETE SLABS INTENDED TO REMAIN SHALL BE REPAIRED AND

FLOATED LEVEL W/ SURROUNDING SLABS AND PREPARED TO RECEIVE NEW FINISH. 7. DOORS, FRAMES, HARDWARE, PLUMBING AND ELECTRICAL DEVICES AND FIXTURES, ETC. NOT REUSED SHALL BE DELIVERED TO OWNER, COORDINATE THIS WITH THE

8. REMOVE ALL CONDUCTORS, CONDUIT AND BOXES BACK TO PANEL IN RENOVATED AREA REMOVE ALL RELATED STRAPS AND HANGERS - RE: ELECTRICAL DRAWINGS FOR MORE INFORMATION.

9. REMOVE ALL PLUMBING FROM RENOVATED AREA TO NEAREST JUNCTURE WHERE THE LINE IS STILL USED AND CAP. REMOVE RELATED UNUSED STRAPS AND HANGERS, RE: PLUMBING DRAWINGS FOR MORE INFORMATION. PLUMBING LINE SERVING OTHER AREAS SHALL BE KEPT. CONTRACTOR IS TO VERIFY PLUMBING LINES PRIOR TO DEMOLITION. RE: PLUMBING DRAWINGS FOR MORE INFORMATION.

10. REMOVE ALL HVAC DUCTWORK IN RENOVATED AREA TO NEAREST JUNCTURE WHERE THE DUCT IS STILL IN USE AND CAP AS REQUIRED. REMOVE ALL RELATED

ZONE WHILE MAINTAINING POSITIVE PRESSURE ON THE NON-CONSTRUCTION ZONE.

STRAPS AND HANGERS. RE: MECHANICAL DRAWINGS FOR MORE INFORMATION. 11. DURING CONSTRUCTION, MAINTAIN NEGATIVE AIR PRESSURE ON CONSTRUCTION

12. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE. IDENTIFY AND PROTECT AGAINST DAMAGE DURING DEMOLITION. THE CONTRACTOR IS TO REFERENCE THE CIVIL DOCUMENTS AND TO NOTIFY THE OWNER, ARCHITECT, AND CIVIL ENGINEER IF ANY UTILITIES ARE UNCOVERED DURING THE DEMOLITION PHASE THAT ARE NOT IDENTIFIED IN THE DOCUMENTS PROVIDED.

13. RELOCATE ROOF DRAINS ALONG THE DEMOLITION LINE. RELOCATE AND RESLOPE ROOF TO NEW DRAIN LOCATIONS.

14. PROTECT EXISTING FIRE PROOFING OR FIRE ASSEMBLIES INDICATED TO REMAIN, DAMAGE DURING DEMOLITION SHALL BE REPAIRED TO CONFORM TO ORIGINAL FIRE PROTECTION REQUIREMENTS.

INSTALLATION OF NEW CONSTRUCTION SO AS TO ENSURE THAT NO WATER LEAKAGE OR DAMAGE OCCURS TO THE STRUCTURE OR INTERIOR AREAS OF THE EXISTING BUILDING. REMOVE TEMPORARY PROTECTIONS AT COMPLETION OF WORK. 16. REMOVE EXISTING CEILINGS AND CEILING SUPPORT SYSTEM WHERE NEW CEILINGS

15. PROVIDE TEMPORARY WEATHER PROTECTION DURING INTERVAL BETWEEN

ARE INDICATED, UNLESS NOTED OTHERWISE. 17. GC TO DOCUMENT EXISTING LOCATIONS OF SUPPLY, EXHAUST AND RETURN GRILLS

PRIOR TO DEMOLITION. LABEL, INSPECT AND INVENTORY. GC SHALL REINSTALL ALL GRILLS IN PREVIOUS LOCATIONS PRIOR TO DEMOLITION.

INSTRUCTIONS, SEE FINISH SCHEDULE FOR NEW FINISHES. 19. AREA OR OBJECTS IDENTIFIED AS "EXISTING TO REMAIN" OR " NOT IN CONTRACT" -

18. REMOVE EXISTING FINISHES AS REQUIRED AS PER FINISH MANUFACTURE'S PRINTED

"N.I.C." SHALL BE PROTECTED. ALL DAMAGE TO THESE AREAS RESULTING FROM DEMOLITION WORK WITHIN THIS CONTRACT SHALL BE RETURNED TO ITS ORIGINAL

20. ALL INFORMATION REGARDING EXISTING CONDITIONS IS BASED ON OWNER SUPPLIED DOCUMENTS AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN DRAWINGS DEPICTING EXISTING CONDITIONS OR UPON DISCOVERY OF UNKNOWN CONDITIONS DETRIMENTAL TO THE COMPLETION OF THE WORK AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT, IN WRITING, OF THE CONDITIONS IN QUESTION BEFORE PROCEEDING WITH THE WORK IN THAT AREA.

21. COORDINATE OWNER WALK THROUGH TO IDENTIFY AL ITEMS TO BE SALVAGED FOR THE OWNER'S RE-USE. INCLUDING BUT NOT LIMITED TO MEDICAL EQUIPMENT, FRAMED DOCUMENTS, SIGNS/GRAPHIC ART, HISTORICAL COLLECTIBLES, ETC. REMOVE ITEMS THUS IDENTIFIED AND GIVE TO THE OWNER, OR STORE FOR RE-USE AT PER OWNERS DIRECTION.

22. THIS PLAN IS BEING ISSUED FOR THE PURPOSE OF ASSISTING THE CONTRACTOR IN BETTER UNDERSTANDING THE PROJECT SCOPE. IT SHALL REMAIN THE CONTRACTORS RESPONSIBILITY TO VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS.

23. REMOVE ALL ROOM GRAPHICS AND ROOM SIGNAGE FROM WALLS - REMOVE GLUE FROM WALLS AND PREP FOR NEW ROOM GRAPHICS.

24. REMOVE ALL EXISTING SHELVING FROM WALLS, PREP WALLS FOR NEW PAINT -RETURN SHELVING BACK TO SPACE AFTER PAINT AND FLOORING IS COMPLETED.

24. REMOVE ALL EXISTING AWP FROM WALLS, PREP WALLS FOR NEW PAINT -RETURN

KEYED NOTES

AWP BACK TO SPACE AFTER PAINT IS COMPLETED.

DESCRIPTION NUMBER REMOVE EXISTING HAND DRYERS. PATCH, REPAIR, 810 AND CLEAN WALL AND PREPARE FOR NEW FINISH AND/OR HAND DRYER. VERIFY HEIGHT ON FIELD. REMOVE EXISTING MIRRORS, PATCH, REPAIR AND CLEAN WALL AND PREPARE FOR NEW FINISH AND/OR MIRROR. PREP GYM FLOOR FOR REFINISHING AND 812 RESTRIPING. PROTECT GYM STRUCTURE, HVAC

SYSTEMS AND COILS, EQUIPMENT, AND BLEACHERS DURING CONSTRUCTION. CLEAN AREA UNDER EXTENDED BLEACHERS, UPON COMPLETION OF NEW WORK. PROVIDE TEMPORARY AIR FILTERS FOR AIR HANDLERS DURING CONSTRUCTION. DEMO EXISTING WEIGHT ROOM FLOORING. PREP 814 AREA TO RECEIVE NEW SPORTS FLOORING. 815 REMOVE ALL WALL PADS AND PROTECTS. REINSTALL IN SAME LOCATION AFTER PAINTING. 820 REPLACE DOORS AND HARDWARE IN MAIN CUSTODIAL HALL, FINE ARTS ENTRY AND PRACTICE

826 REMOVE EXISTING SCOREBOARD. PREP TO RECEIVE NEW SCOREBOARD. REMOVE EXISTING VCT FLOORING & BASE DOWN TO EXISTING SUBSTRATE. PATCH AND/OR REPAIR EXISTING SUBSTRATE. APPLY LEVELING COMPOUND AS REQ'D. FOR NEW SCHEDULE FINISH.

(SOUND DOORS), AUTOSHOP

DEMOLITION PLAN LEGEND SYMBOL

_ _ _ _ _ _ _ _ _ __ _ _ _ _ -

AREA OF DEMOLITION EXISTING CONSTRUCTION TO BE

EXISTING CONSTRUCTION

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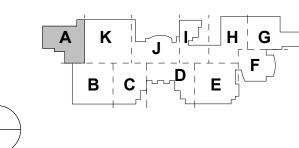
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REVISION HISTORY

12/20/2024 1 ADDENDUM 02 REVISION DESCRIPTION PROFESSIONAL SEALS





2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway

Houston, TX 77041 33AC23221

ORIGINAL ISSUE

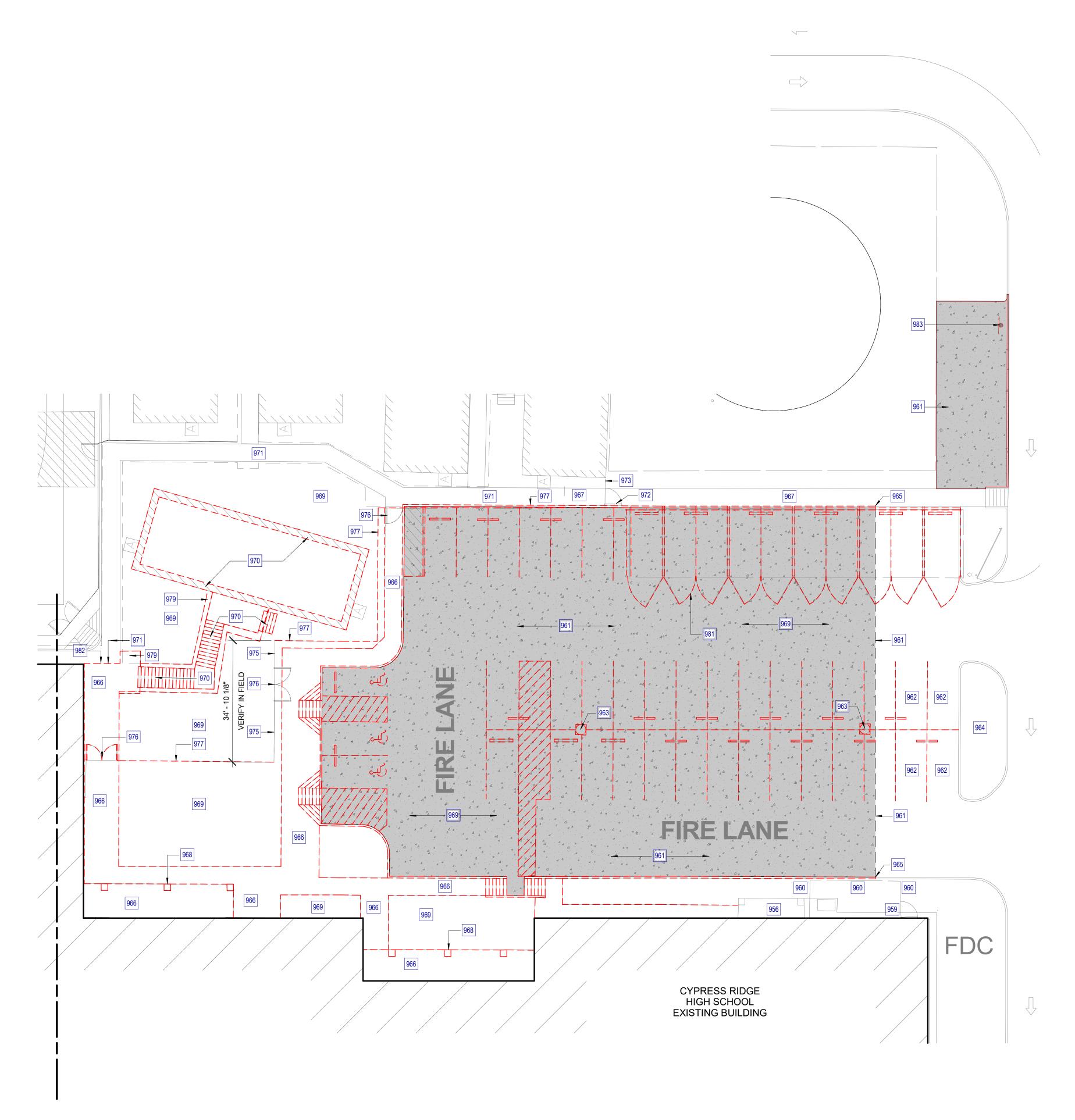
ISSUE FOR PROPOSALS DECEMBER 09, 2024

ARCHITECTURAL - DEMOLITION PLAN -LEVEL 01 - AREA A

CHECKED BY

SHEET NUMBER

AD-101-A



ARCHITECTURAL - DEMOLITION - ENLARGED SITE PLAN - BUILDING ADDITION

SCALE: 1/16" = 1'-0"

KEYED NOTES

NUMBER DESCRIPTION 959 960 961

SALVAGE WHEEL STOPS FOR RE-USE. 962

SALVAGE WHEELSTOPS FOR RE-USE. 963

964

965 NEW CURB LAYOUT. DEMOLISH EXISTING SIDEWALK. 967

DAMAGE. 973 PORTION OF EXISTING FENCE TO REMAIN. REMOVE

REMOVE EXISTING GATE. PROTECT GATE FROM 976 DAMAGE AND COORDINATE TO RETURN BACK TO OWNER. 977 REMOVE PORTION OF EXISTING FENCE. PROTECT

DEMOLISH A PORTION OF THE EXISTING CANOPY. MATCH EXISTING. PREP PORTION OF EXISTING CANOPY TO REMAIN TO RECEIVE NEW METAL CHANNEL AND FINISHED END

EXISTING. REFER TO SITE PLAN.

FASCIA (BY CANOPY MANUFACTURER). MATCH

DEMO EXISTING SIGN AND POST.

EXISTING CANOPY TO REMAIN PROTECT IN PLACE EXISTING GATE TO REMAIN. PROTECT IN PLACE. EXISTING FENCE TO REMAIN - PROTECT IN PLACE PORTION OF EXISTING CONCRETE PAVEMENT, STRIPING, CURB RAMPS, AND CURBS TO BE DEMOLISHED. REF. CIVIL FOR ADDITIONAL DETAILS AND EXTENT OF DEMOLITION. CAREFULLY REMOVE AND REMOVE EXISTING PAVEMENT STRIPING AND PREP AREA FOR RESTRIPING. CAREFULLY REMOVE AND REMOVE EXISTING LIGHT POLE AND POLE BASE. REF. ELECTRICAL AND CIVIL FOR UTILITY CAPS AND ADDITIONAL DETAILS. EXISTING PARKING MEDIAN AND CURBS TO REMAIN. PROTECT IN PLACE. PREP FOR NEW LOCATION OF LIGHT POLE. RE: CIVIL AND ELECTRICAL DRAWINGS. REMOVE PORTION OF EXISTING CURB AND PREP FOR PORTION OF EXISTING SIDEWALK TO REMAIN FOR RE-USE. PROTECT IN PLACE. RE:CIVIL DRAWINGS 968 DEMOLISH EXISTING CANOPY SYSTEM, COLUMNS, AND FOOTINGS. PREP AREA FOR NEW BUILDING ADDITION. REF. PLANS, CIVIL, STRUCTURAL AND MEP DRAWINGS FOR ADDITIONAL DETAILS. REFER TO CIVIL, STRUCTURAL, AND MEP DWGS FOR EXTENT OF DEMOLITION AND PREP AREA FOR NEW BUILDING ADDITION. GC SHALL CAREFULLY REMOVE AND RELOCATE EXISTING TEMPORARY BUILDING TO CYPRESS FALLS HS. COORDINATE RELOCATION WITH OWNER. DEMO RAMP. ASSOCIATED TEMPORARY BUILDING UTILITIES TO BE REMOVED FROM SITE PRIOR TO SITE DEMOLITION. ALL REMAINING TEMPORARY BUILDINGS, UTILITIES, ETC. SHALL REMAIN AND BE PROTECTED IN PLACE DURING DEMOLITION AND CONSTRUCTION FOR RE-USE. 971 EXISTING CANOPY SYSTEM TO REMAIN. PROTECT IN PLACE FROM DAMAGE. EXISTING GATE TO REMAIN. REMOVE AND REINSTALL 972 AS NEEDED FOR SITEWORK. GC SHALL PROTECT FROM AND REINSTALL AS NEEDED FOR SITEWORK. GC SHALL PROTECT FROM DAMAGE. REMOVE AND RELOCATE PORTION OF EXISTING FENCE 975 PANELS. GC SHALL PROTECT FENCE PANELS FROM DAMAGE FOR RE-USE. PREP FENCE PANELS TO BE INSTALLED AT NEW FENCE POSTS. REFER TO NEW SITE FENCE FROM DAMAGE AND COORDINATE TO RETURN BACK TO OWNER. REMOVE EXISTING AUTOSHOP CHAIN LINK FENCE AND GATES. GC SHALL PROVIDE NEW FENCE AND GATES TO



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KEYPLAN

REVISION HISTORY

1 ADDENDUM 02
REVISION DESCRIPTION





2024 CY RIDGE HS RENOVATION

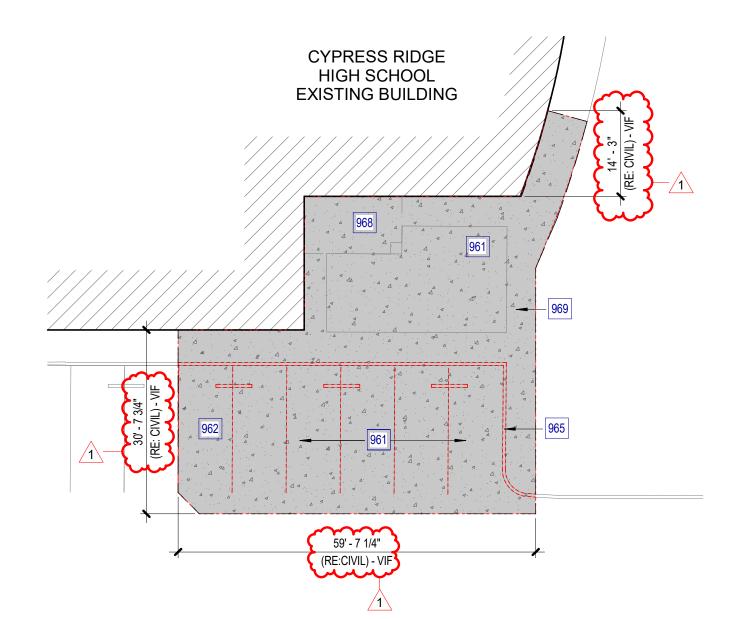
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ORIGINAL ISSUE

ISSUE FOR PROPOSALS DECEMBER 09, 2024

ARCHITECTURAL DEMOLITION -ENLARGED ARCHITECTURAL SITE

AD-AS-101-1



ARCHITECTURAL - DEMOLITION - ENLG SITE PLAN - AUDITORIUM STORAGE 2 ADDITION
SCALE: 1/16" = 1'-0"

KEYED NOTES NUMBER DESCRIPTION 1008 REPLACE EXISTING HIGH SCHOOL FOOTBALL SCOREBOARD. NEW SCOREBOARD SHALL INCLUDE TEAM NAME AND CUSTOM 2-TONED COLOR. COORDINATE WITH OWNER FOR APPROVAL OF FINAL DESIGN PRIOR TO FABRICATION. NEW SCOREBOARD SHALL BE HARDWIRED. CONDUIT SHALL RUN AROUND EXISTING TRACK'S PERIMETER. REFER TO CIVIL AND MEPT DRAWINGS FOR ADDITIONAL DETAILS. 1009 STRIP TOP LAYER OF EXISTING SYNTHETIC TRACK SURFACE. REFER TO PLAN FOR LOCATIONS. GC SHALL UPDATE TRACK TO INCLUDE NEW 30M EXCHANGE ZONE LAYOUT. VERIFY LOCATIONS OF EXPANSION JOINT AND TRACK SURFACE CRACKS AND REPAIR. REFER TO CIVIL FOR ADDITIONAL DETAILS. EXISTING PRESSBOX RENOVATIONS. REFER TO DEMOLITION AND NEW PLANS. 1012 RENOVATE EXISTING TENNIS COURTS. REFER TO DETAILS FOR ADDITIONAL INFORMATION. 1014 REMOVE AND REPLACE PAVING JOINT SEALANT THROUGHOUT SITE. REFERENCE CIVIL DRAWINGS FOR ADDITIONAL DETAILS.

1 ARCHITECTURAL - OVERALL SITE PLAN
SCALE: 1" = 60'-0"

REPLACE ICE MACHINE AND PROVIDE EXHAUST IN THE CONCESSIONS BUILDING. REFER TO MEP DRAWINGS FOR ADDITIONAL

1015

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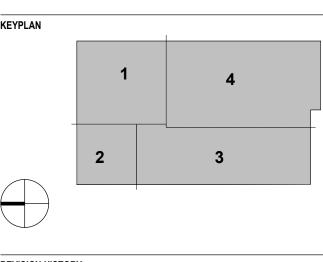
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LANDSCAPE/IRRIGATION



REVISION HISTORY

1 ADDENDUM 02 12/20/2024

REVISION DESCRIPTION PROFESSIONAL SEALS





PROJECT 2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

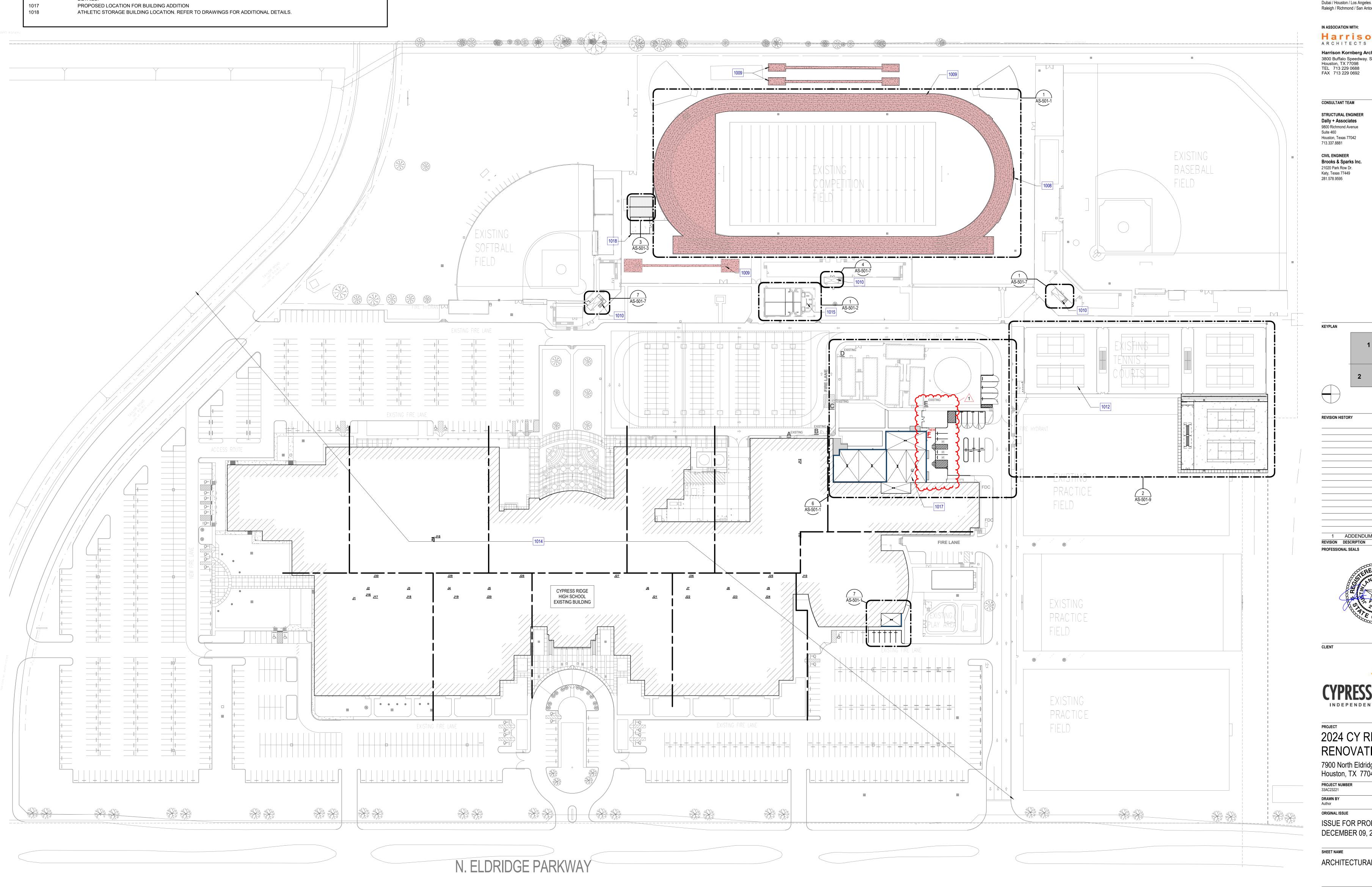
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ARCHITECTURAL - SITE PLAN

SHEET NUMBER

AS-101



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ARCHITECTS Harrison Kornberg Architects 3800 Buffalo Speedway. Suite 550 Houston, TX 77098 TEL 713 229 0688 FAX 713 229 0692 CONSULTANT TEAM MEP & AV/THEATRICAL ENGINEER STRUCTURAL ENGINEER Dally + Associates Salas O'Brien 10930 W Sam Houston Pkwy N 9800 Richmond Avenue Suite 900 Suite 460 Houston, Texas 77042 Houston, TX 77064 713.337.8881 281.664.1900 **CIVIL ENGINEER** LANDSCAPE/IRRIGATION **KW Landscape Architecs** Brooks & Sparks Inc. 21020 Park Row Dr. 6925 Portwest Drive Katy, Texas 77449 Suite 100 Houston, Texas 77024 281.578.9595 346.509.5638 BASEBALL 1 ADDENDUM 02
REVISION DESCRIPTION CYPRESS-FAIRBANKS
INDEPENDENT SCHOOL DISTRICT 2024 CY RIDGE HS RENOVATION 7900 North Eldridge Parkway Houston, TX 77041 ORIGINAL ISSUE ISSUE FOR PROPOSALS DECEMBER 09, 2024 ARCHITECTURAL - SITE PLAN - AREA 4

1 ARCHITECTURAL - SITE PLAN - AREA 4 - OPTION D - REVISED
SCALE: 1" = 40'-0"

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KEYED NOTES

DESCRIPTION

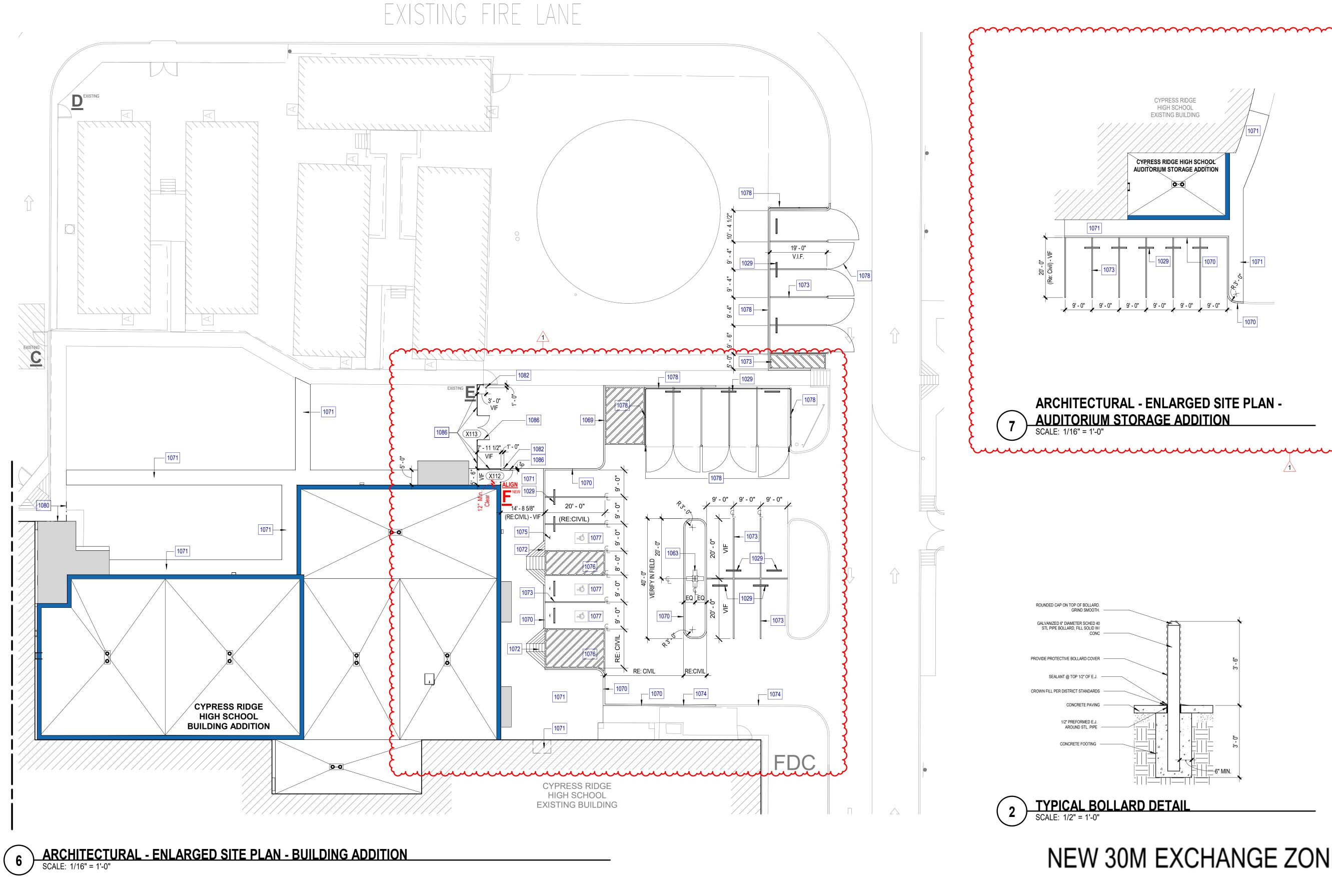
NUMBER

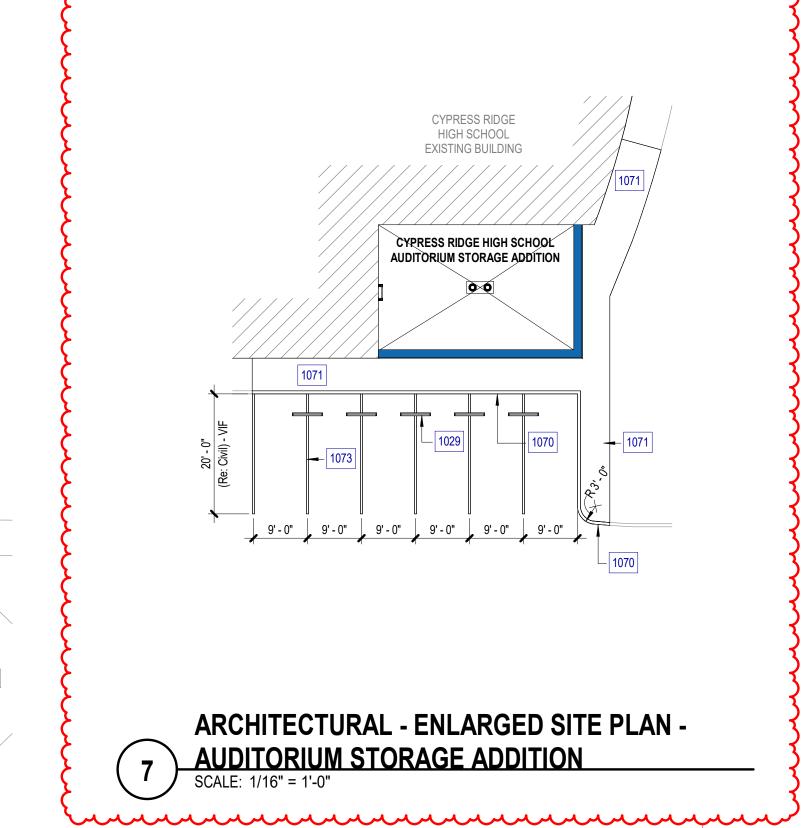
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SHEET NUMBER

AS-101-4-2





NUMBER	DESCRIPTION
1029	REINSTALL EXISTING CONCRETE WHEEL STOP SET WITH REBAR AND NON-SHRINK EPOXY.
1063	NEW SITE LIGHTING POLE AND FIXTURE. GC SHALL PROVIDI POLE BASE. REFERENCE ELECTRICAL.
1069	LAY DOWN CURB. REFER TO CIVIL DRAWINGS FOR EXACT LOCATIONS AND DETAILS.
1070	NEW CURB, REFERENCE CIVIL DRAWINGS.
1071	NEW SIDEWALK, REFERENCE CIVIL DRAWINGS.
1072	NEW CURB RAMP, REFERENCE CIVIL DRAWINGS. COMPLY WITH TAS STANDARDS.
1073	NEW PARKING STRIPING PER AHJ AND DISTRICT STANDARD - PAINT STANDARD YELLOW.
1074	NEW FIRE LANE STRIPING PER AHJ AND DISTRICT STANDARDS - PAINTED RED.
1075	NEW ADA PARKING SIGNAGE MOUNTED TO INTEGRAL GALVANIZED STEEL POST SET IN CONCRETE FOOTING. FILL FOR FOOTING SHALL BE CROWNED.
1076	NEW ADA STRIPING PER TAS AND DISTRICT STANDARDS - PAINT STANDARD YELLOW.
1077	NEW ADA SIGNAGE PER TAS STANDARDS.
1078	NEW AUTOSHOP CHAIN LINK FENCE AND GATES – MATCH EXISTING. REFER TO ELEVATIONS. COORDINATE FINISH W/OWNER AND ARCHITECT.
1080	INSTALL NEW METAL CHANNEL AND FINISHED END FASCIA TO PORTION OF EXISTING CANOPY (BY CANOPY MANUFACTURER). MATCH EXISTING.
1082	6" DIAMETER GALVANIZED PIPE BOLLARD - CONCRETE FILLED WITH ROUNDED TOP. PROVIDE PROTECTIVE COVER FOR BOLLARDS. RE: STRUCTURAL DRAWINGS
1086	INSTALL NEW ORNAMENTAL METAL FENCE AND GATES PER DISTRICT STANDARDS. ATTACH NEW FENCE TO EXISTING GATE AND FENCE. REPAINT MODIFIED AREAS OF EXISTING GATE AND FENCE TO MATCH EXISTING. REFER TO SCHEDULE.

1. AT ANY CHAIN LINK OR ORNAMENTAL GATE THAT DOES NOT RECEIVE A PANIC

2. CHAIN TO BE WELDED TO FENCE AND LOCK TO BE WELDED TO CHAIN. 3. REFER TO TYPICAL CHAIN LINK FENCE AND GATE DETAILS ON A501-4.

AMERICAN PADLOCK, KEYED TO DISTRICT KEY 64335.

HARDWARE DEVICE, CONTRACTOR SHALL SUPPLY AND INSTALL CHAIN AND

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Suite 460

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KEYPLAN

REVISION HISTORY

1 ADDENDUM 02

REVISION DESCRIPTION PROFESSIONAL SEALS

CONSULTANT TEAM STRUCTURAL ENGINEER Dally + Associates

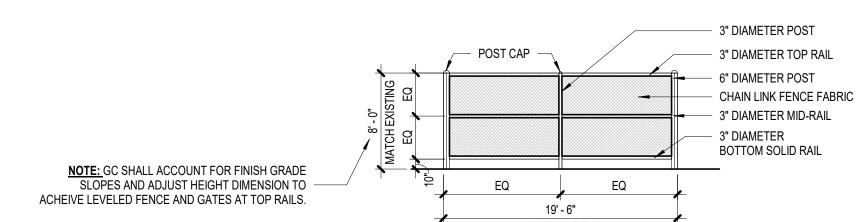
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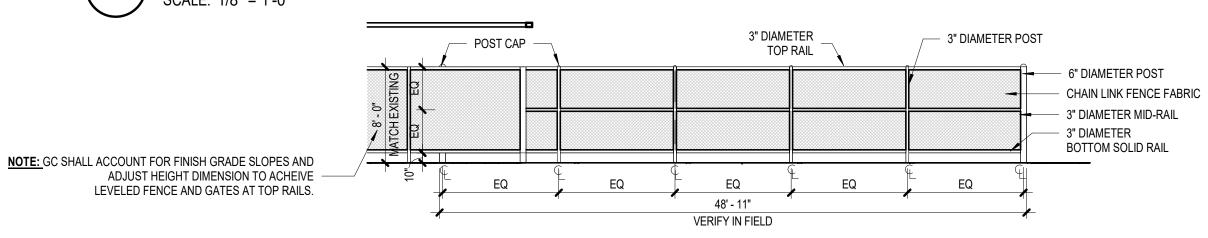
PROVIDE PROTECTIVE BOLLARD COVER — CROWN FILL PER DISTRICT STANDARDS 2 TYPICAL BOLLARD DETAIL

SCALE: 1/2" = 1'-0"

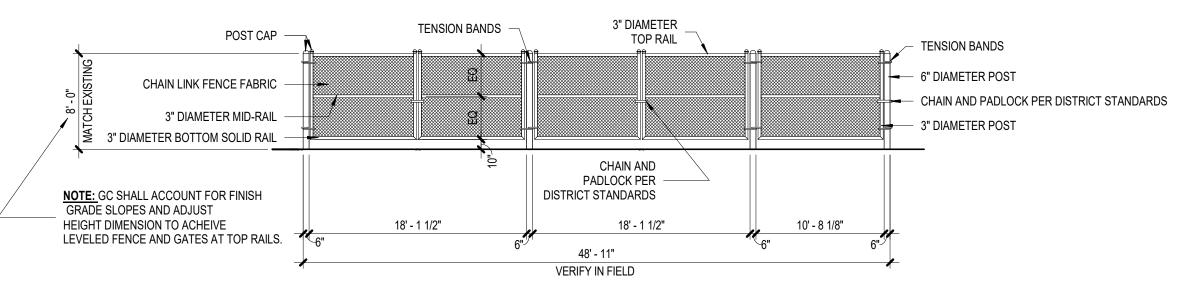


AUTO SHOP CHAIN LINK FENCE AND GATE REPLACEMENT - ELEVATION 3 &4

SCALE: 1/8" = 1'-0"



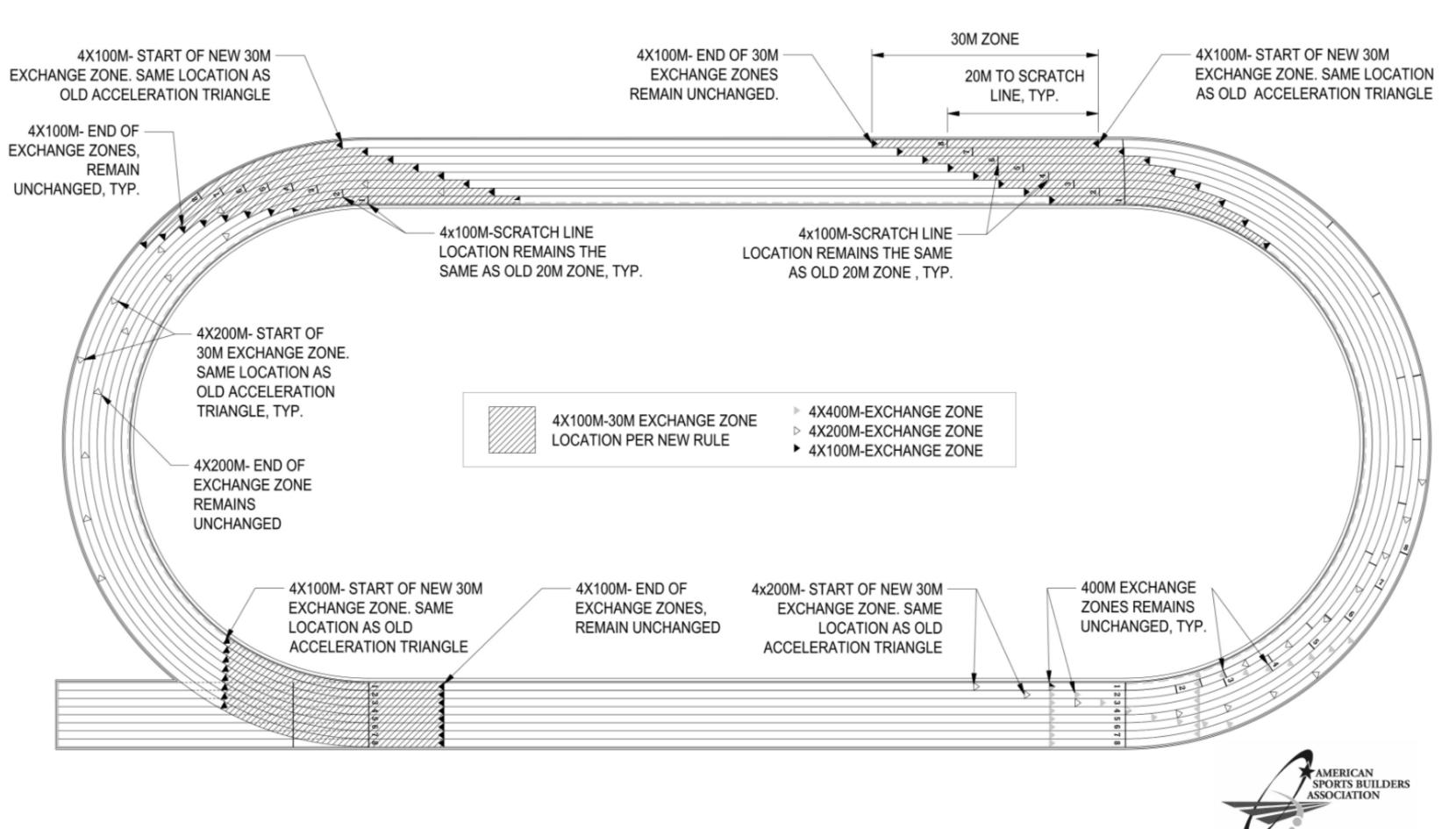
AUTO SHOP CHAIN LINK FENCE AND GATE REPLACEMENT - ELEVATION 2



AUTO SHOP CHAIN LINK FENCE AND GATE REPLACEMENT - ELEVATION 1

SCALE: 1/8" = 1'-0"

NEW 30M EXCHANGE ZONE LAYOUT



1 30M EXCHANGE ZONE LAYOUT
NOT TO SCALE

12/20/2024

CYPRESS-FAIRBANKS

2024 CY RIDGE HS RENOVATION

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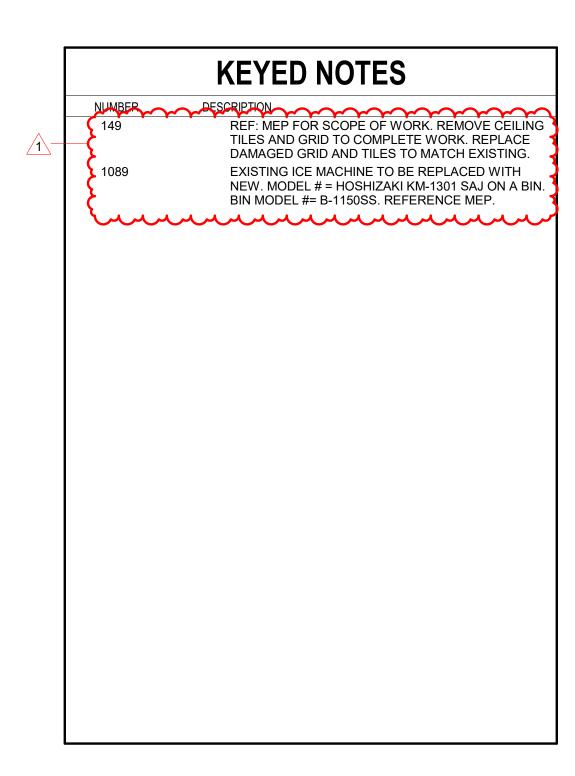
33AC23221 CHECKED BY Author

ORIGINAL ISSUE ISSUE FOR PROPOSALS DECEMBER 09, 2024

SHEET NAME

ARCHITECTURAL - SITE DETAILS, ELEVATIONS, ETC

SHEET NUMBER





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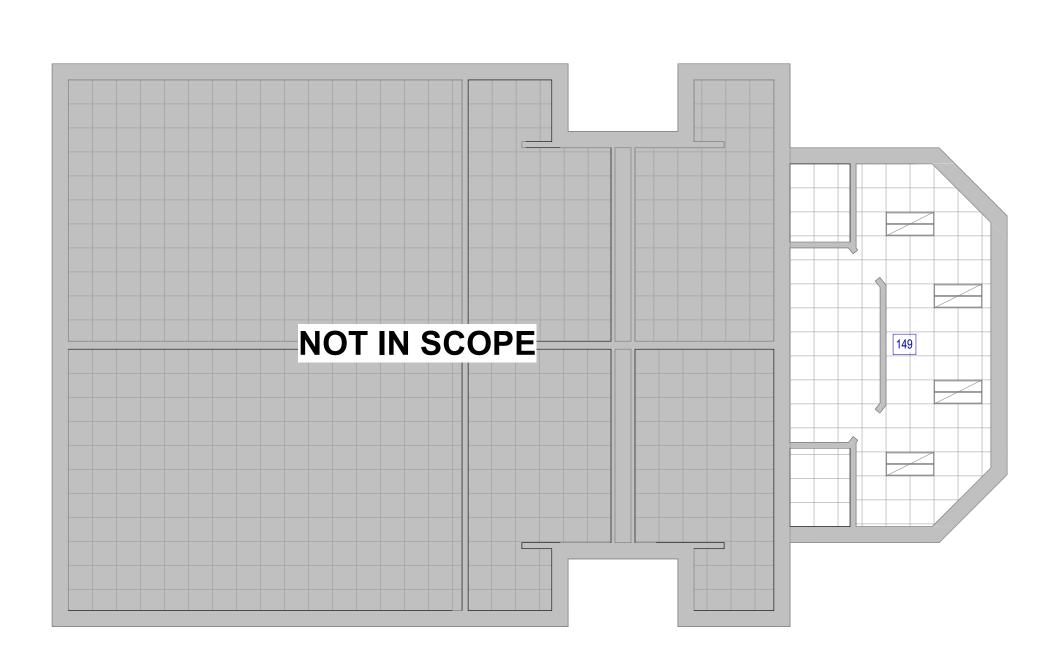
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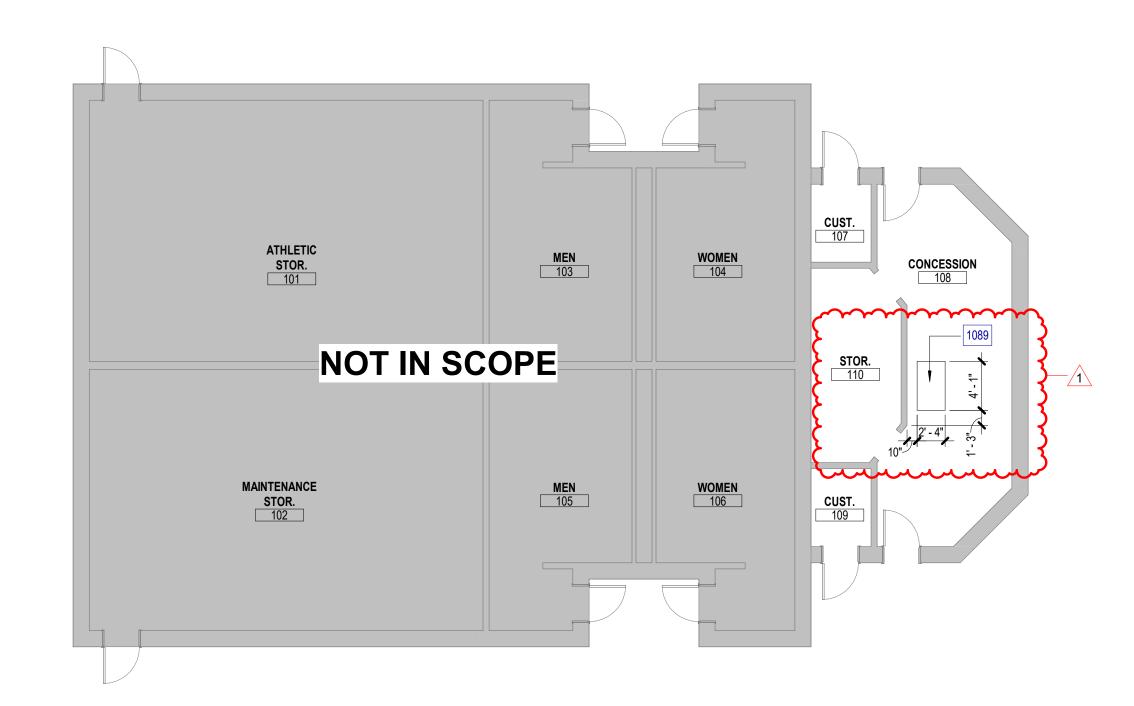
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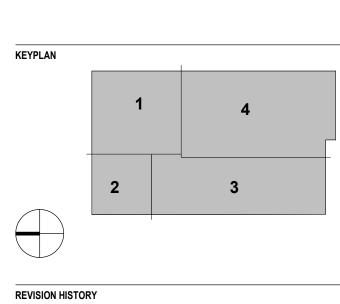
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2 ARCHITECTURAL - CONCESSION BLDG. CEILING PLAN
SCALE: 1/8" = 1'-0"



1 ARCHITECTURAL - CONCESSION BLDG. FLOOR PLAN
SCALE: 1/8" = 1'-0"



REVISION HISTORY

1 ADDENDUM 02
REVISION DESCRIPTION
PROFESSIONAL SEALS



12/20/2024 DATE

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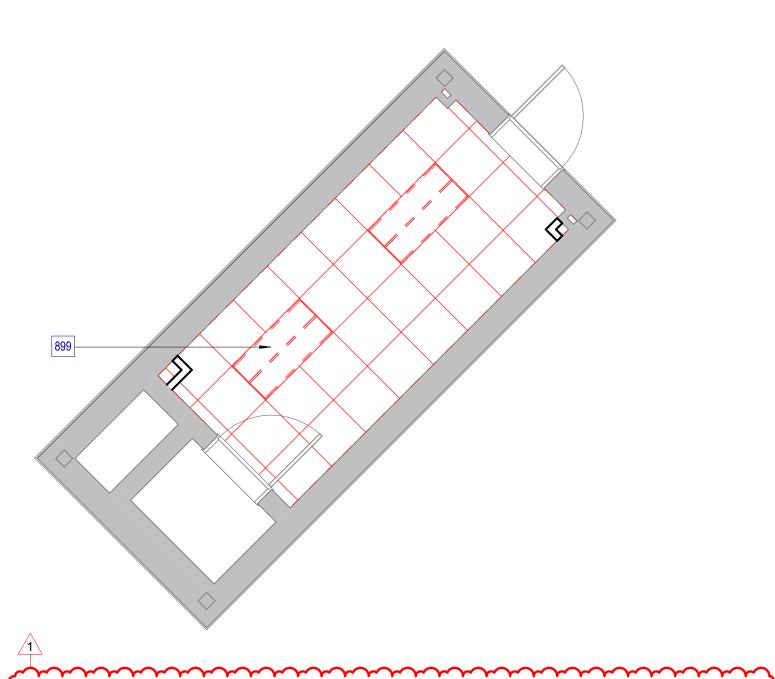
ORIGINAL ISSUE

ISSUE FOR PROPOSALS

DECEMBER 09, 2024

ARCHITECTURAL - CONCESSION BLDG.

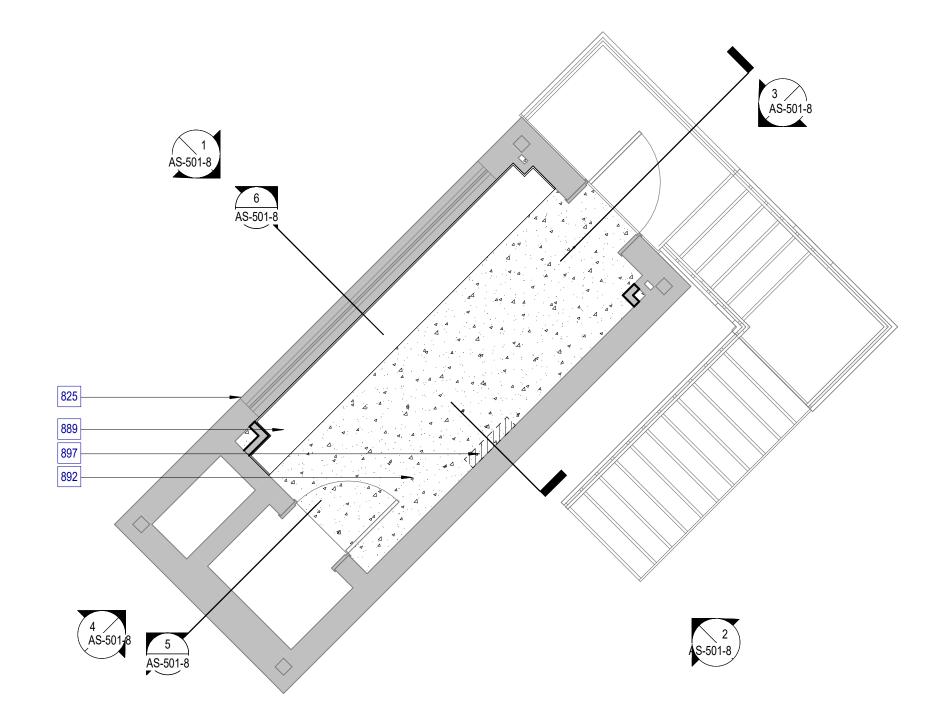
SHEET NUMBER



ARCHITECTURAL - DEMOLITION REFLECTED CEILING

PLAN - LEVEL 02 (ALL PRESSBOXES)

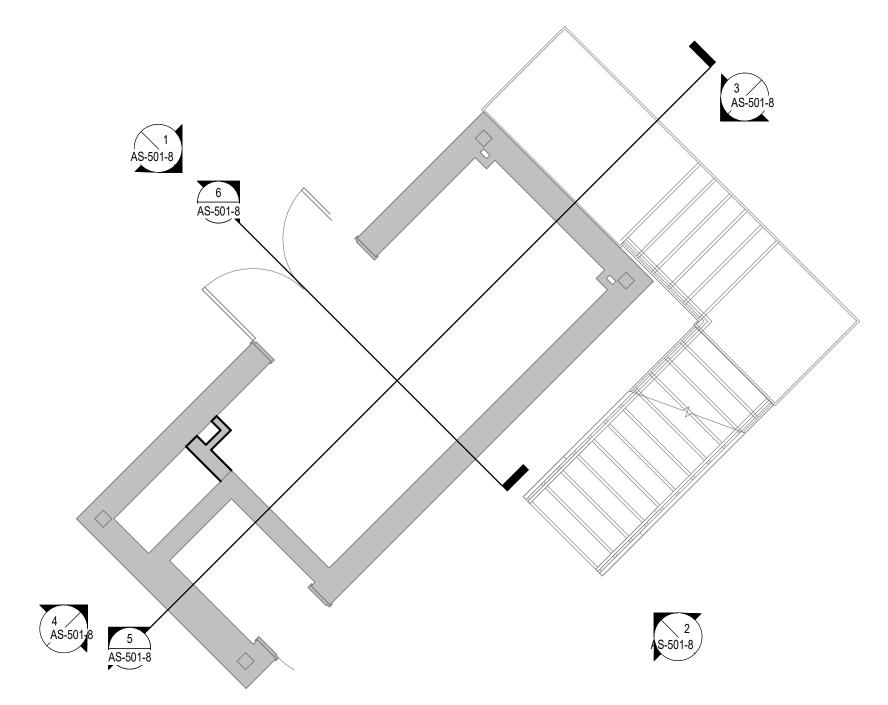
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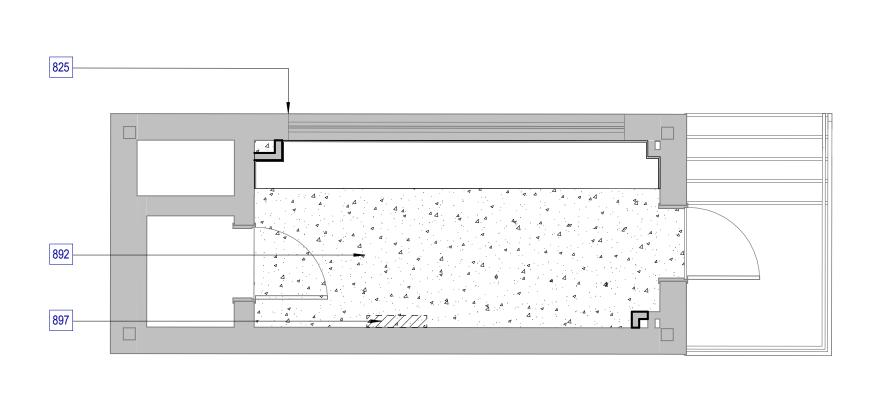
ARCHITECTURAL - DEMOLITION PLAN - LEVEL 02

(SOFTBALL)

SCALE: 1/4" = 1'-0"



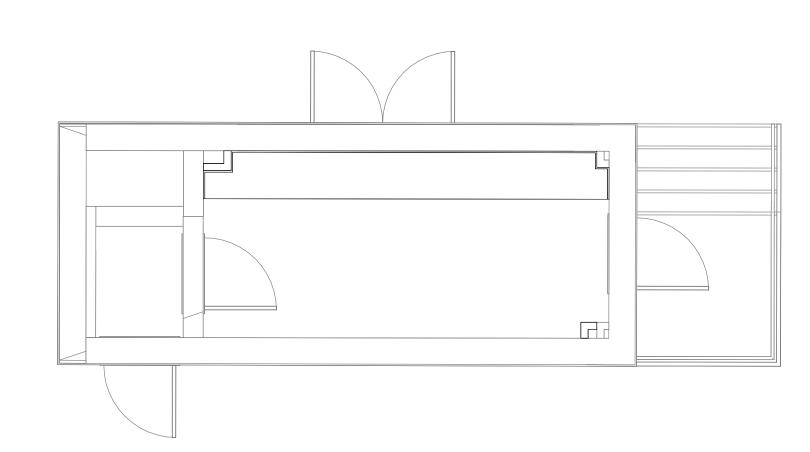
ARCHITECTURAL - DEMOLITION PLAN - LEVEL 01
(SOFTBALL)
SCALE: 1/4" = 1'-0"



ARCHITECTURAL - DEMOLITION PLAN - LEVEL 02

(FOOTBALL)

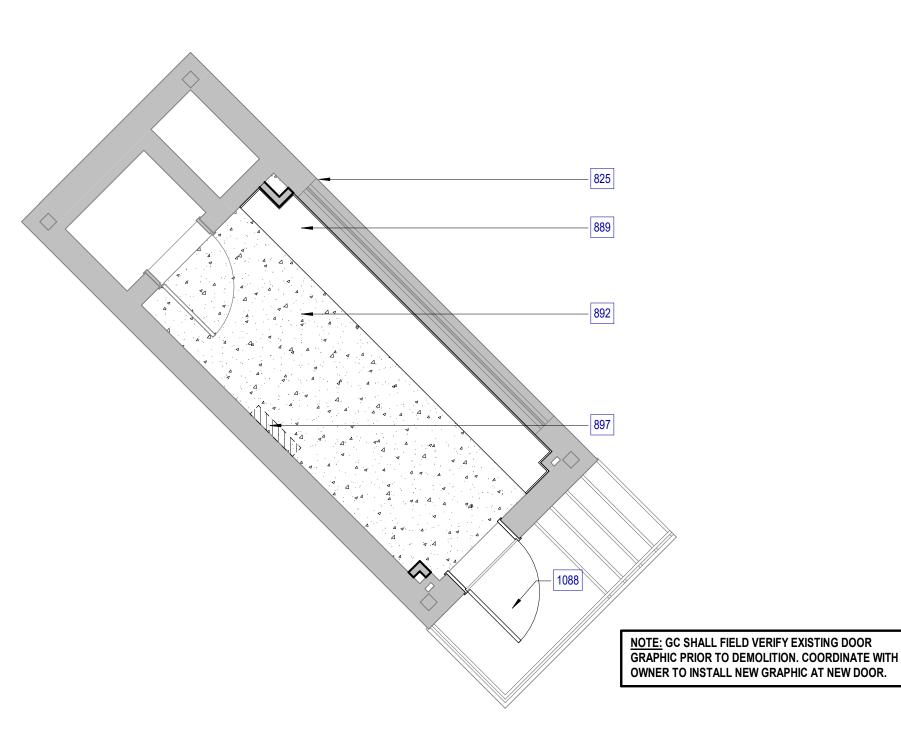
SCALE: 1/4" = 1'-0"



ARCHITECTURAL - DEMOLITION PLAN - LEVEL 01

(FOOTBALL)

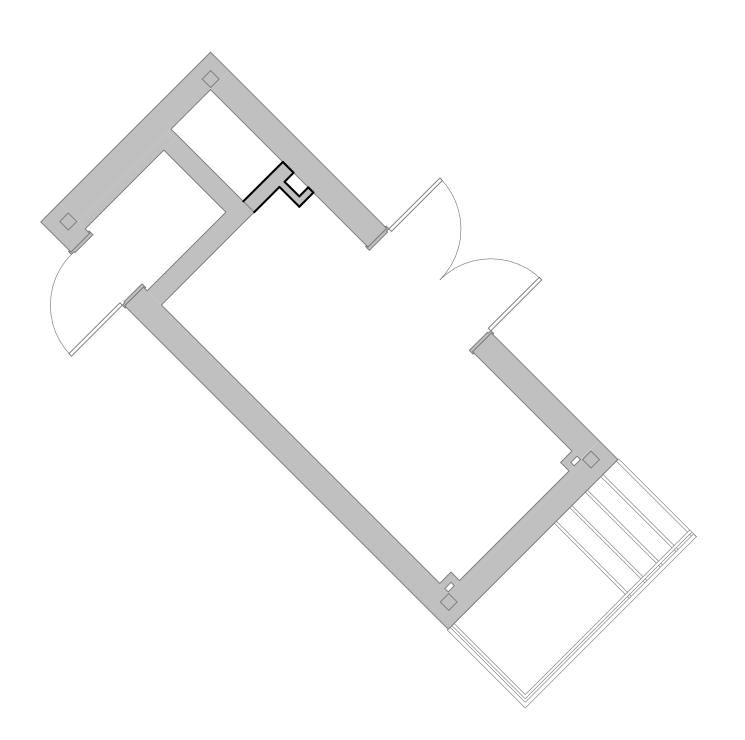
SCALE: 1/4" = 1'-0"



ARCHITECTURAL - DEMOLITION PLAN - LEVEL 02

(BASEBALL)

SCALE: 1/4" = 1'-0"



ARCHITECTURAL - DEMOLITION PLAN - LEVEL 01

(BASEBALL)

SCALE: 1/4" = 1'-0"



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KEYED NOTES

REE: MEP

DEMO EXISTING CEILING GRID AND LIGHT FIXTURES.

PREP AREA TO BE REPLACED WITH NEW CEILING

DEMO EXISTING WINDOW GASKETS AND SEALANT. PREP WINDOW TO RECEIVE NEW GASKETS AND

DEMO EXISTING CASEWORK / COUNTERTOP. PREP FOR

EXISTING SILL CONCRETE TO REMAIN IN PLACE. PREP

FOR FLOOR TO RECEIVE NEW LVT. REF. NW PLANS. DEMO EXISTING MINI SPLITS TO REPLACE FOR NEW.

DESCRIPTION

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1 4 2 3

REVISION HISTORY

1 ADDENDUM 02 12/20/2024
REVISION DESCRIPTION DATE
PROFESSIONAL SEALS



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2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

PROJECT NUMBER
33AC23221

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ORIGINAL ISSUE

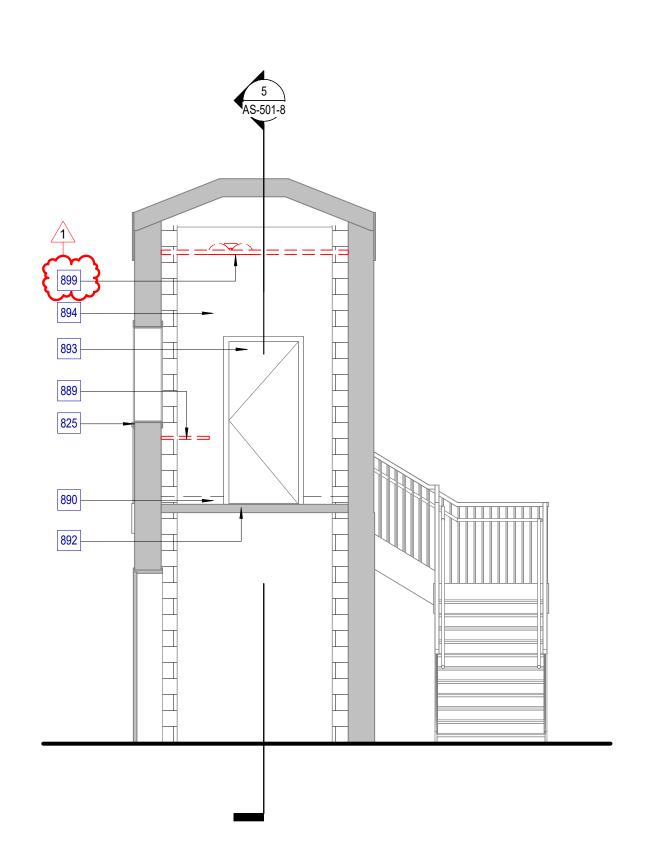
ISSUE FOR PROPOSALS

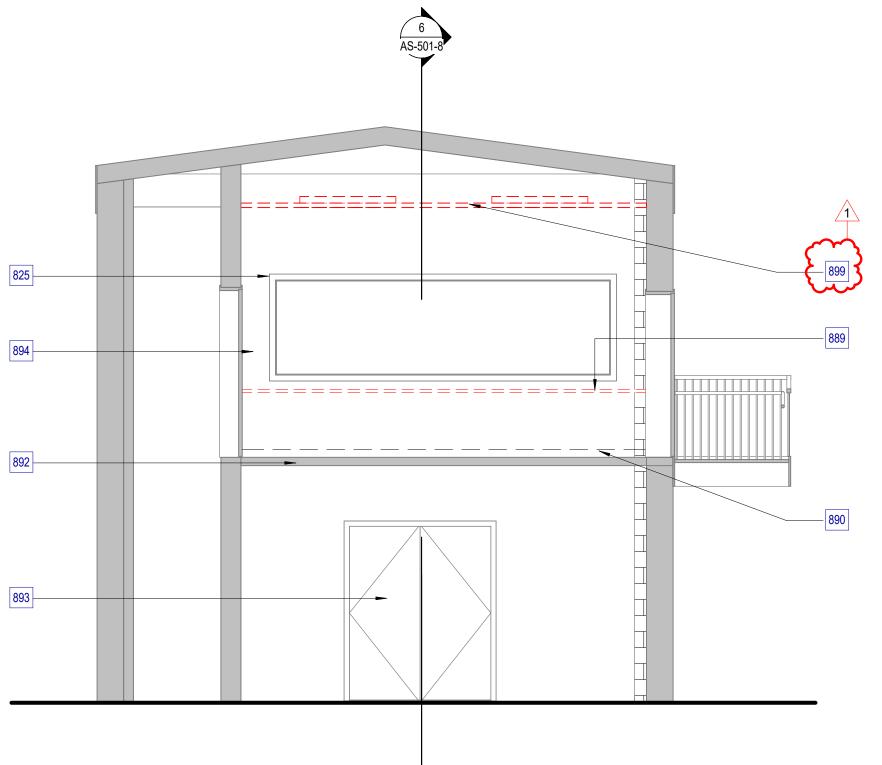
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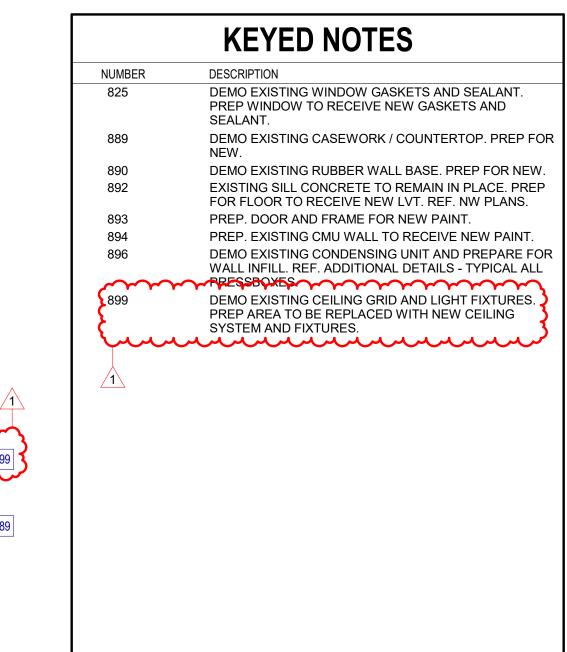
SHEET NAME

ARCHITECTURAL - DEMOLITION PRESSBOX PLAN

SHEET NUMBER









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KEYPLAN

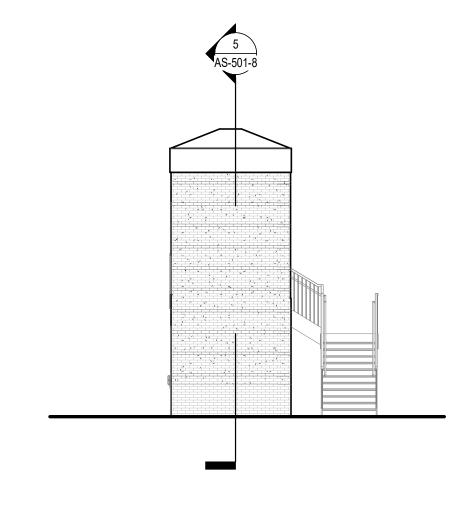
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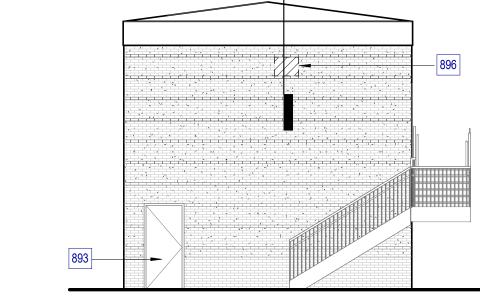
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6 ARCHITECTURAL - DEMOLITION - SECTION B
SCALE: 1/4" = 1'-0"







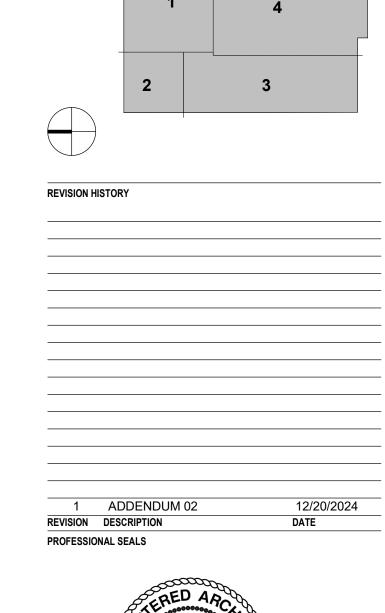
2 ARCHITECTURAL - DEMOLITION - SOUTH ELEVATION
SCALE: 1/8" = 1'-0" 5 ARCHITECTURAL - DEMOLITION - WEST ELEVATION

SCALE: 1/8" = 1'-0"



4 ARCHITECTURAL - DEMOLITION - EAST ELEVATION
SCALE: 1/8" = 1'-0"







PROJECT 2024 CY RIDGE HS RENOVATION

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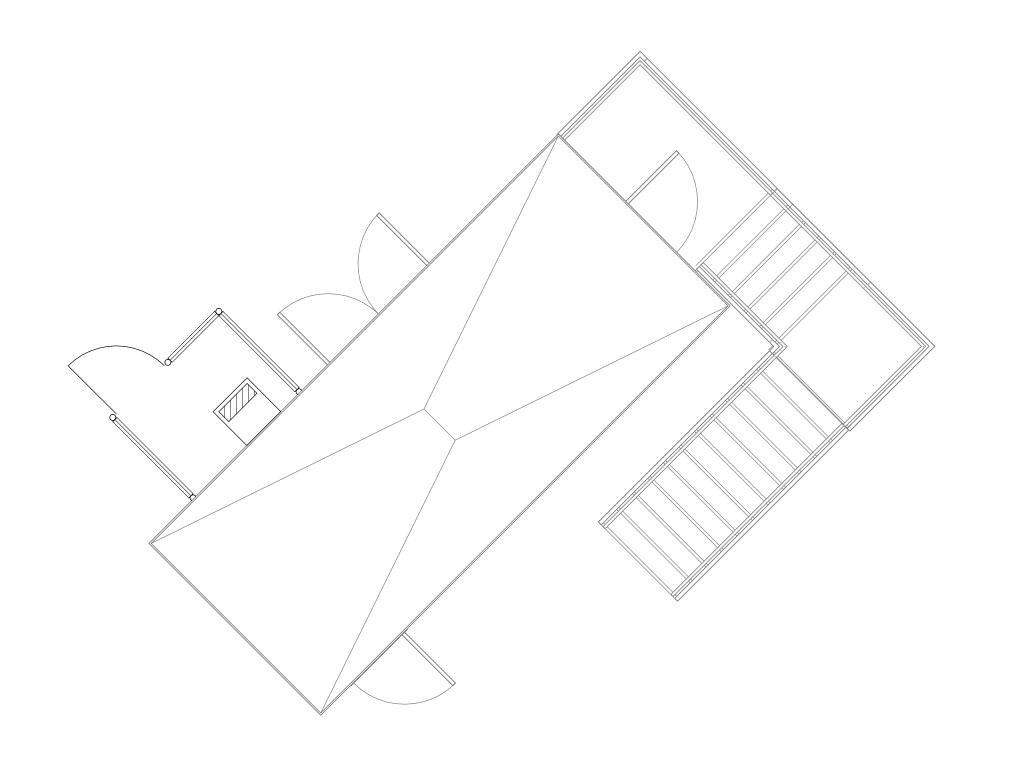
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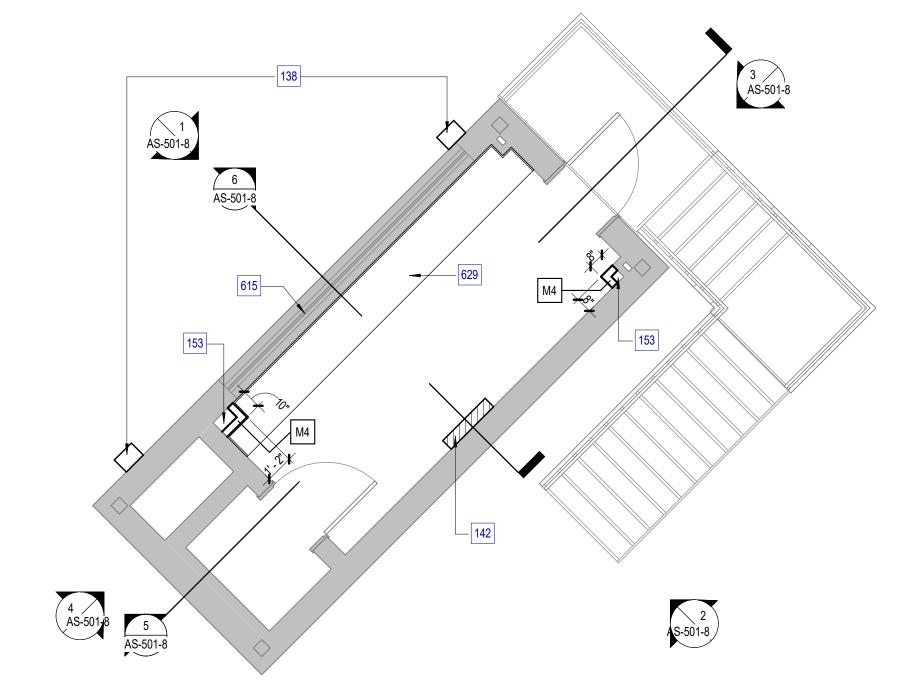
ARCHITECTURAL - DEMOLITION PRESSBOX ELEVATIONS

SHEET NUMBER



ARCHITECTURAL - PROPOSED PLAN - ROOF PLAN (ALL PRESSBOXES)

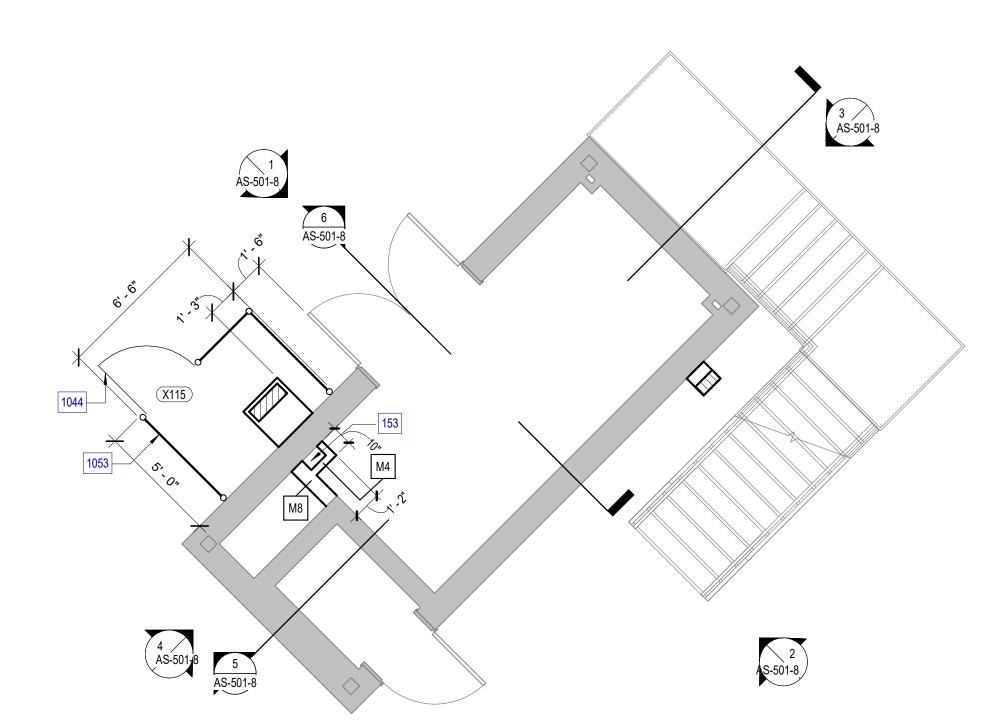
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ARCHITECTURAL - PROPOSED PLAN - LEVEL 02

(SOFTBALL)

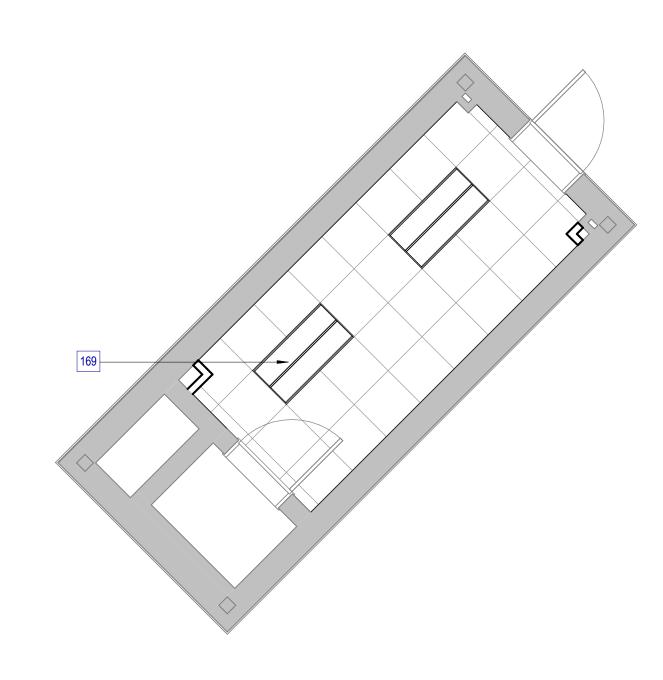
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ARCHITECTURAL - PROPOSED PLAN - LEVEL 01

(SOFTBALL)

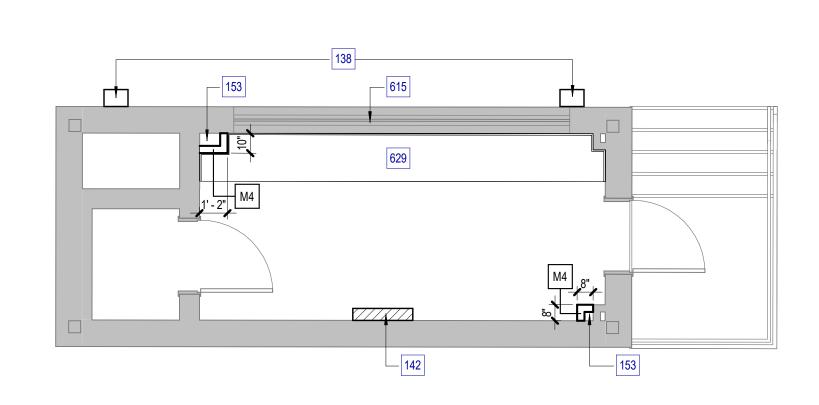
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ARCHITECTURAL - PROPOSED REFLECTED CEILING PLAN

- LEVEL 02 (ALL PRESSBOXES)

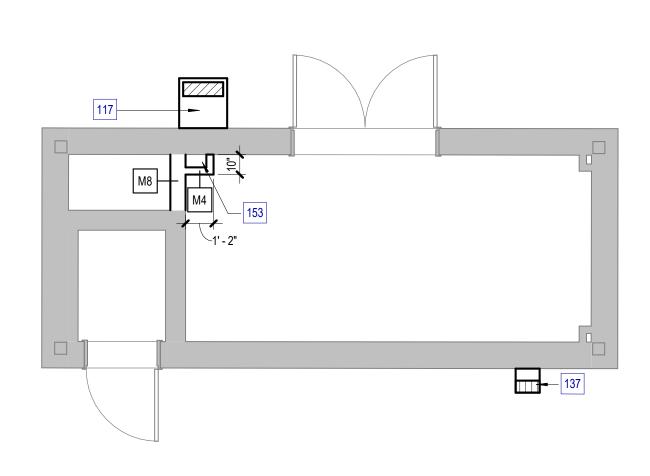
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ARCHITECTURAL - PROPOSED PLAN - LEVEL 02

(FOOTBALL)

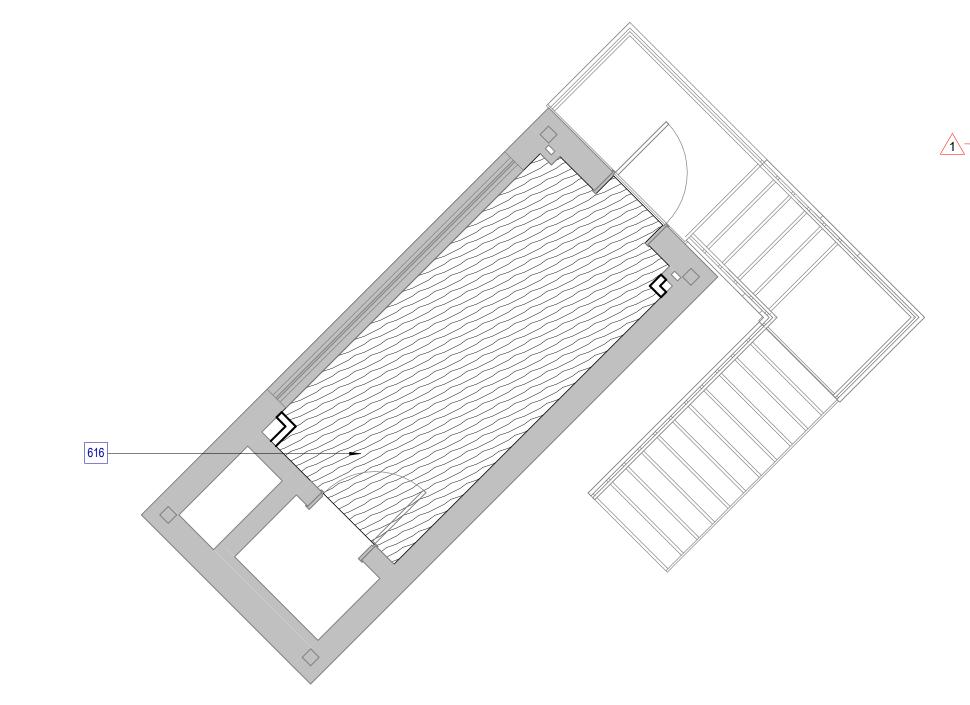
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ARCHITECTURAL - PROPOSED PLAN - LEVEL 01

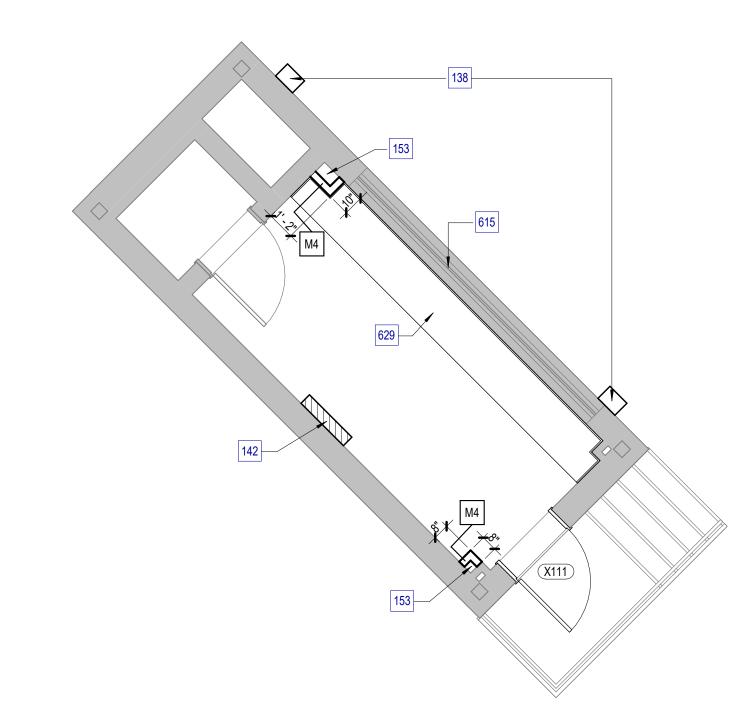
(FOOTBALL)

SCALE: 1/4" = 1'-0"



ARCHITECTURAL - PROPOSED FINISHED FLOOR PLAN
LEVEL 02 (ALL PRESSBOXES)

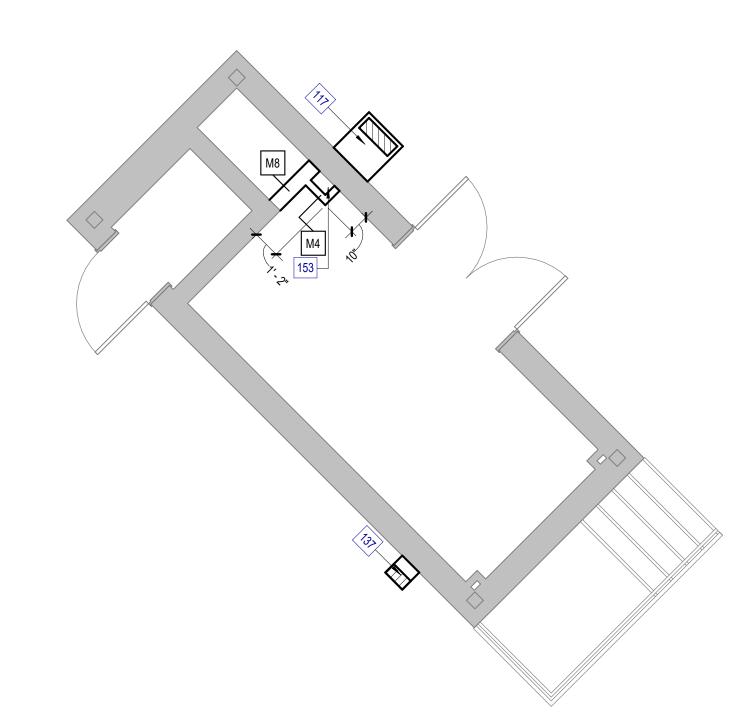
SCALE: 1/4" = 1'-0"



ARCHITECTURAL - PROPOSED PLAN - LEVEL 02

(BASEBALL)

SCALE: 1/4" = 1'-0"



ARCHITECTURAL - PROPOSED PLAN - LEVEL 01
(BASEBALL)

SCALE: 1/4" = 1'-0"



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KEYED NOTES

NEW CONDENSING UNITS. REF: MEP

NEW SPEAKERS. REF: TECHNOLOGY

NEW MINI SPLITS. REF: MEP

CHAIN LINK GATE

CHAIN LINK FENCE

FLOOR DRAIN TIED TO THE STORM SYSTEM. REF: MEP AND CIVIL

NEW CHASE. REFERENCE MEP DRAWINGS
NEW ACT AND GRID SYSTEM. INSTALL NEW LIGHT

NEW LVT AT INTERIOR / CONDITIONED SPACE.

QUARTZ COUNTERTOP AND BACKSPLASH

FIXTURES PER ELECTRICAL INSTALL NEW EIGHT FIXTURES PER ELECTRICAL INSTALL NEW GASKETS AND SEALANT AT EXISTING WINDOW. MATCH EXISTING COLOR.

DESCRIPTION

1044

1053

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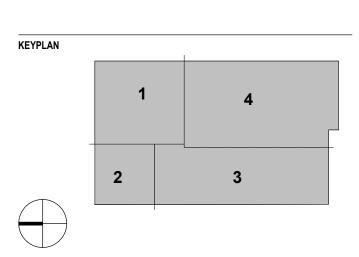
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REVISION HISTORY

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1 ADDENDUM 02
REVISION DESCRIPTION
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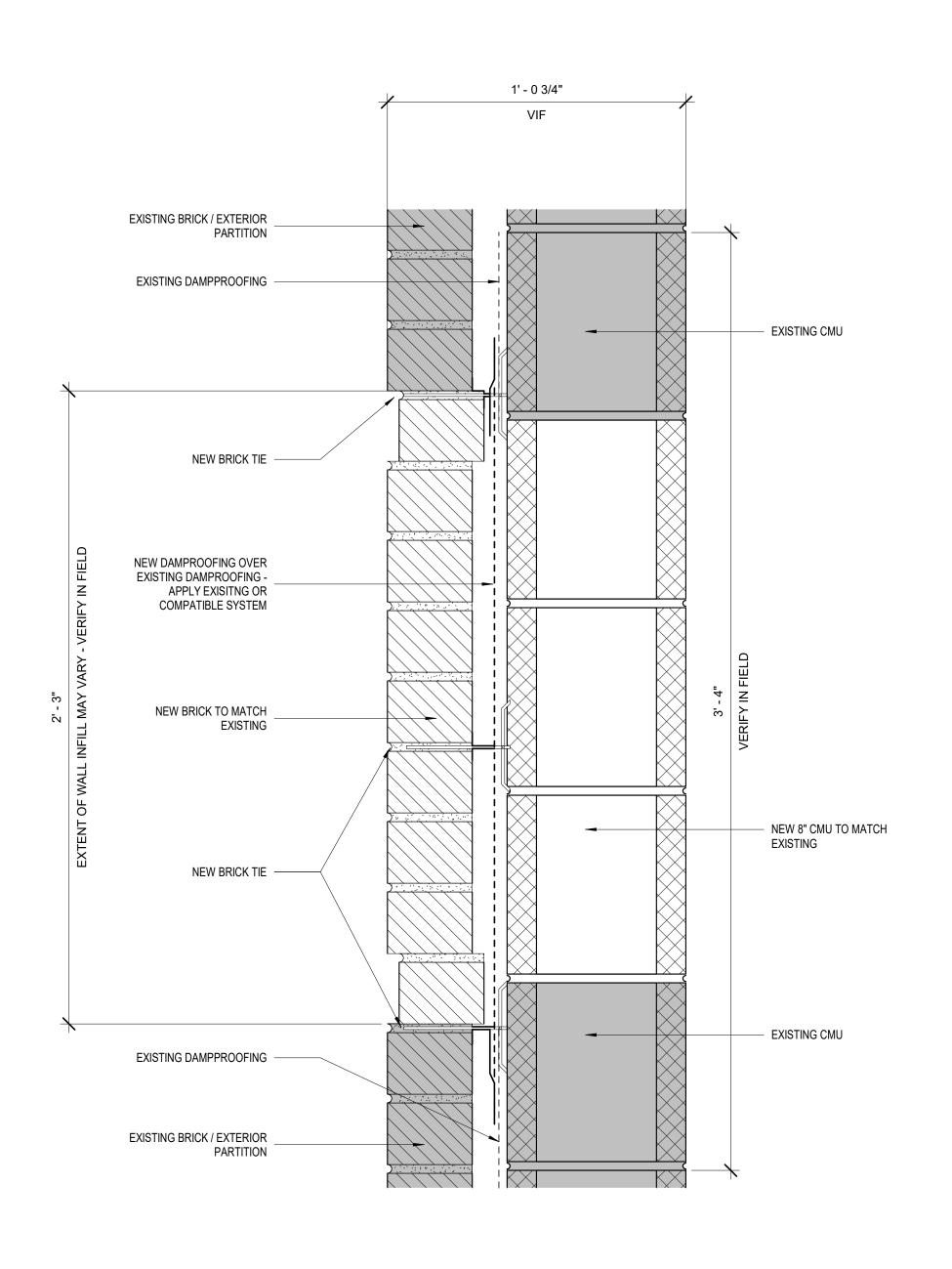
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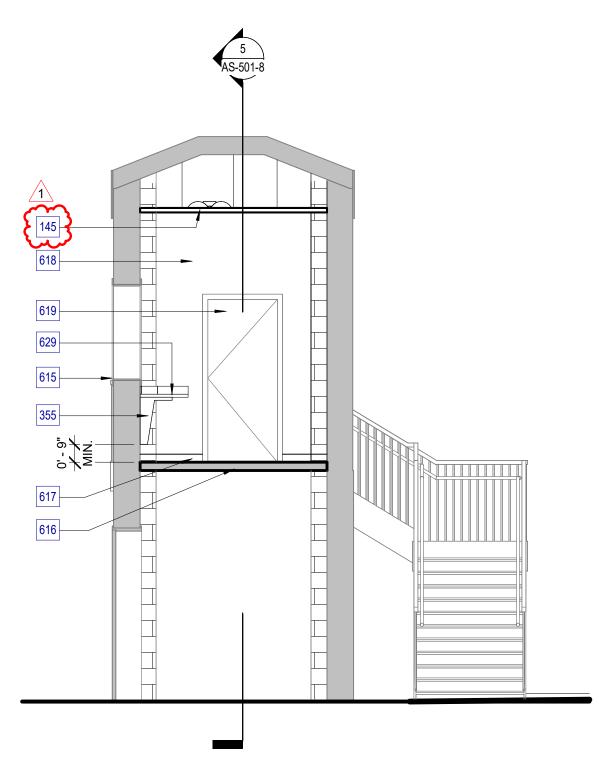
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SHEET NAME

ARCHITECTURAL - PROPOSED PRESSBOX PLAN

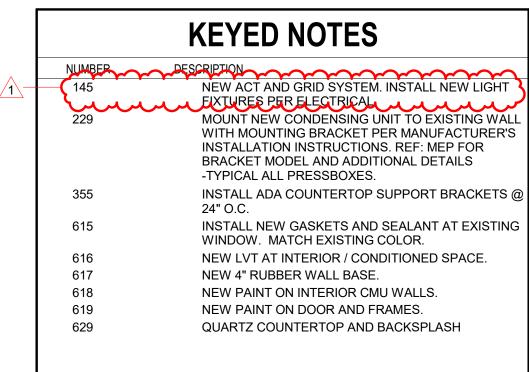
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618 619

5 ARCHITECTURAL - PROPOSED - SECTION A
SCALE: 1/4" = 1'-0"





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KEYPLAN

REVISION HISTORY

12/20/2024

1 ADDENDUM 02
REVISION DESCRIPTION





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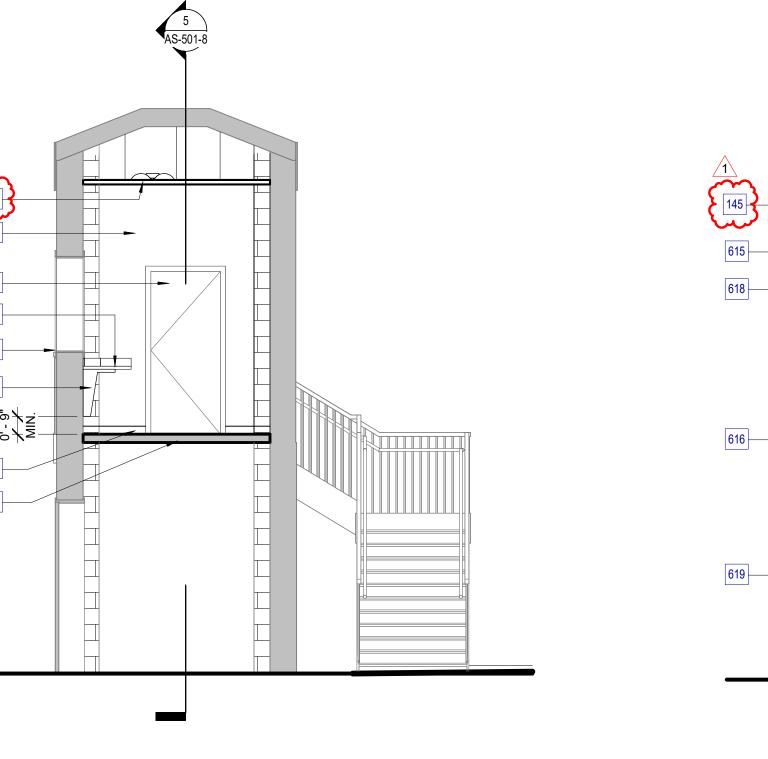
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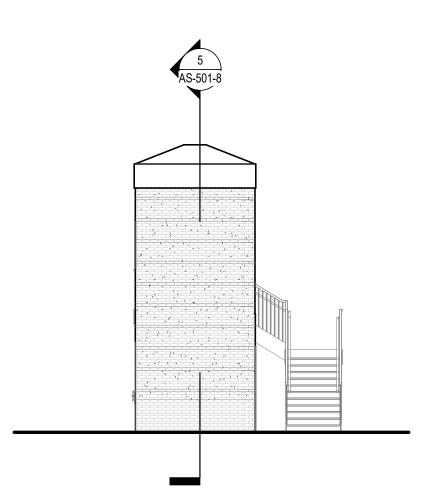
ARCHITECTURAL - PROPOSED

AS-501-8

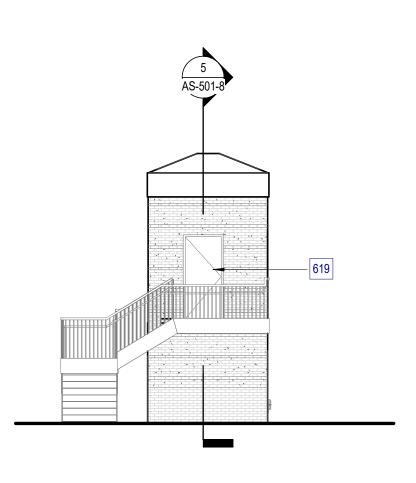


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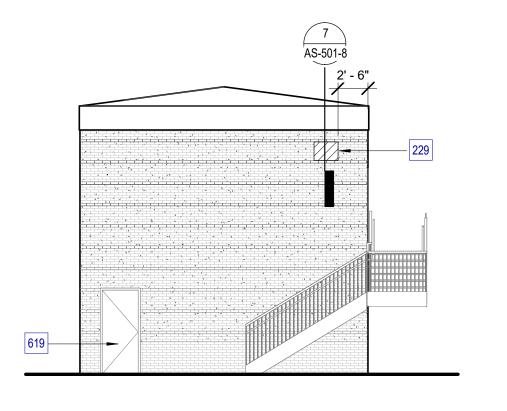
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4 ARCHITECTURAL - PROPOSED - WEST ELEVATION
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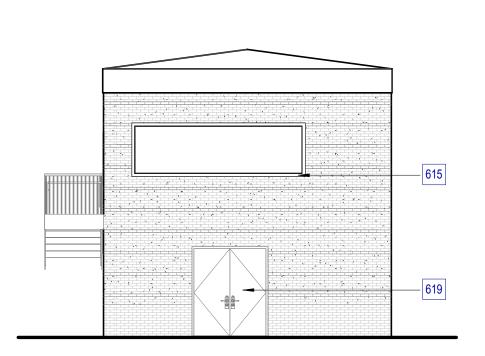


3 ARCHITECTURAL - PROPOSED - EAST ELEVATION
SCALE: 1/8" = 1'-0"



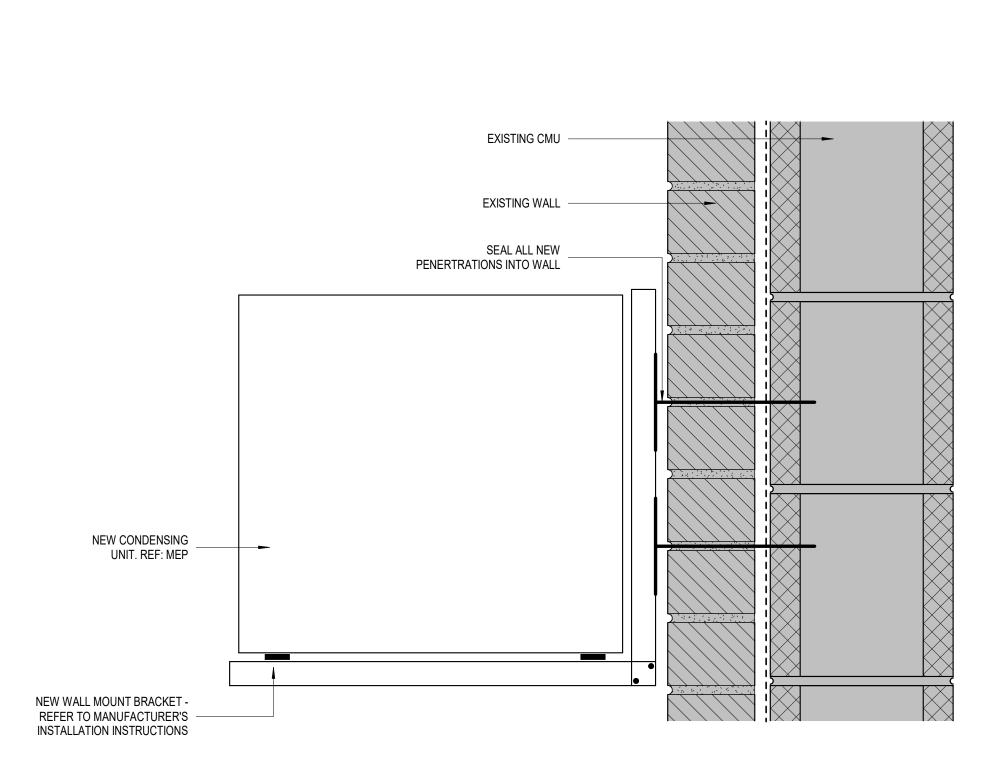
2 ARCHITECTURAL - PROPOSED - SOUTH ELEVATION

SCALE: 1/8" = 1'-0"



1 ARCHITECTURAL - PROPOSED - NORTH ELEVATION

SCALE: 1/8" = 1'-0"



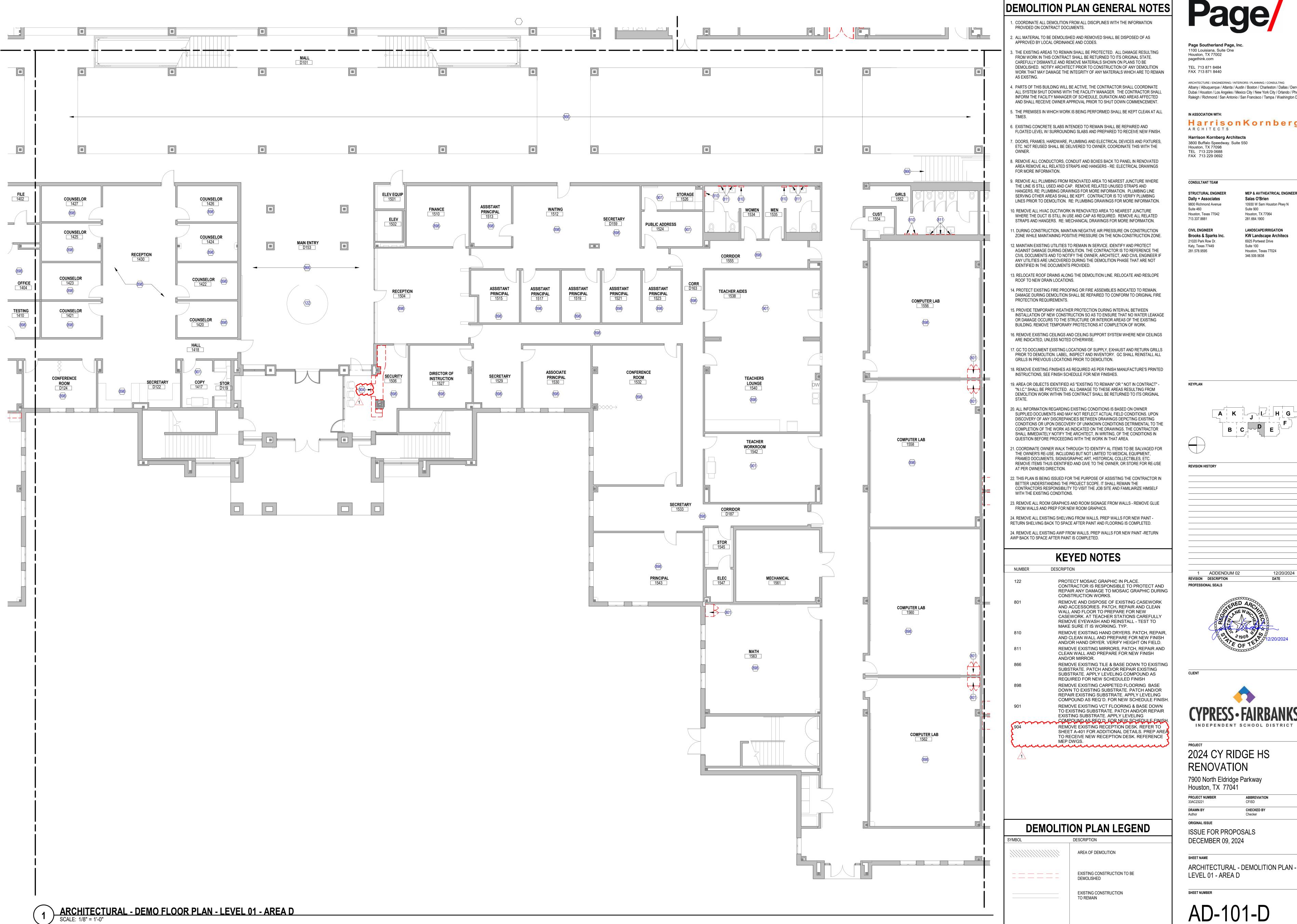
8 EXISTING CONDENSING UNIT DETAILS

SCALE: 3" = 1'-0"

7 WALL MOUNT DETAILS

SCALE: 3" = 1'-0"

DECEMBER 09, 2024 SHEET NAME PRESSBOX ELEVATIONS SHEET NUMBER



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1 ADDENDUM 02

12/20/2024



2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway

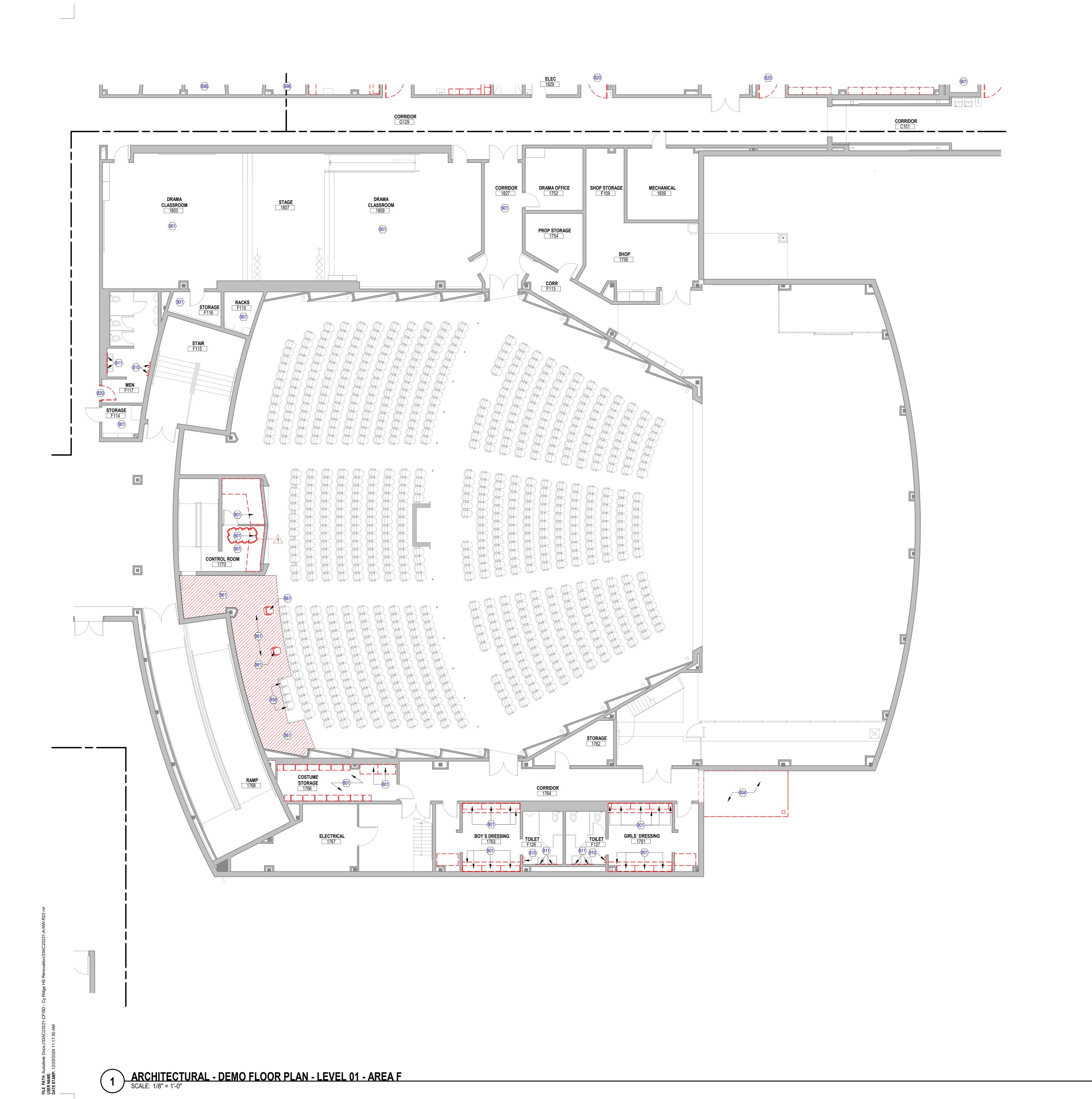
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ISSUE FOR PROPOSALS

DECEMBER 09, 2024

SHEET NUMBER

AD-101-D



DEMOLITION PLAN GENERAL NOTES

1. COORDINATE ALL DEMOLITION FROM ALL DISCIPLINES WITH THE INFORMATION PROVIDED ON CONTRACT DOCUMENTS.

 ALL MATERIAL TO BE DEMOLISHED AND REMOVED SHALL BE DISPOSED OF AS APPROVED BY LOCAL ORDINANCE AND CODES.

3. THE EXISTING AREAS TO REMAIN SHALL BE PROTECTED. ALL DAMAGE RESULTING FROM WORK IN THIS CONTRACT SHALL BE RETURNED TO ITS ORIGINAL STATE. CAREFULLY DISMANTLE AND REMOVE MATERIALS SHOWN ON PLANS TO BE DEMOLISHED. NOTIFY ARCHITECT PRIOR TO CONSTRUCTION OF ANY DEMOLITION WORK THAT MAY DAMAGE THE INTEGRITY OF ANY MATERIALS WHICH ARE TO REMAIN AS EXISTING.

4. PARTS OF THIS BUILDING WILL BE ACTIVE, THE CONTRACTOR SHALL COORDINATE ALL SYSTEM SHUT DOWNS WITH THE FACILITY MANAGER. THE CONTRACTOR SHALL INFORM THE FACILITY MANAGER OF SCHEDULE, DURATION AND AREAS AFFECTED AND SHALL RECEIVE OWNER APPROVAL PRIOR TO SHUT DOWN COMMENCEMENT.

5. THE PREMISES IN WHICH WORK IS BEING PERFORMED SHALL BE KEPT CLEAN AT ALL TIMES.

EXISTING CONCRETE SLABS INTENDED TO REMAIN SHALL BE REPAIRED AND FLOATED LEVEL W/ SURROUNDING SLABS AND PREPARED TO RECEIVE NEW FINISH.
 DOORS, FRAMES, HARDWARE, PLUMBING AND ELECTRICAL DEVICES AND FIXTURES,

ETC. NOT REUSED SHALL BE DELIVERED TO OWNER, COORDINATE THIS WITH THE

8. REMOVE ALL CONDUCTORS, CONDUIT AND BOXES BACK TO PANEL IN RENOVATED AREA REMOVE ALL RELATED STRAPS AND HANGERS - RE: ELECTRICAL DRAWINGS FOR MORE INFORMATION.

9. REMOVE ALL PLUMBING FROM RENOVATED AREA TO NEAREST JUNCTURE WHERE THE LINE IS STILL USED AND CAP. REMOVE RELATED UNUSED STRAPS AND HANGERS, RE: PLUMBING DRAWINGS FOR MORE INFORMATION. PLUMBING LINE SERVING OTHER AREAS SHALL BE KEPT. CONTRACTOR IS TO VERIFY PLUMBING

10. REMOVE ALL HVAC DUCTWORK IN RENOVATED AREA TO NEAREST JUNCTURE WHERE THE DUCT IS STILL IN USE AND CAP AS REQUIRED. REMOVE ALL RELATED

ZONE WHILE MAINTAINING POSITIVE PRESSURE ON THE NON-CONSTRUCTION ZONE.

LINES PRIOR TO DEMOLITION. RE: PLUMBING DRAWINGS FOR MORE INFORMATION.

STRAPS AND HANGERS. RE: MECHANICAL DRAWINGS FOR MORE INFORMATION.

11. DURING CONSTRUCTION, MAINTAIN NEGATIVE AIR PRESSURE ON CONSTRUCTION

12. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE. IDENTIFY AND PROTECT AGAINST DAMAGE DURING DEMOLITION. THE CONTRACTOR IS TO REFERENCE THE CIVIL DOCUMENTS AND TO NOTIFY THE OWNER, ARCHITECT, AND CIVIL ENGINEER IF ANY UTILITIES ARE UNCOVERED DURING THE DEMOLITION PHASE THAT ARE NOT IDENTIFIED IN THE DOCUMENTS PROVIDED.

13. RELOCATE ROOF DRAINS ALONG THE DEMOLITION LINE. RELOCATE AND RESLOPE ROOF TO NEW DRAIN LOCATIONS.

14. PROTECT EXISTING FIRE PROOFING OR FIRE ASSEMBLIES INDICATED TO REMAIN, DAMAGE DURING DEMOLITION SHALL BE REPAIRED TO CONFORM TO ORIGINAL FIRE PROTECTION REQUIREMENTS.

INSTALLATION OF NEW CONSTRUCTION SO AS TO ENSURE THAT NO WATER LEAKAGE OR DAMAGE OCCURS TO THE STRUCTURE OR INTERIOR AREAS OF THE EXISTING BUILDING. REMOVE TEMPORARY PROTECTIONS AT COMPLETION OF WORK.

16. REMOVE EXISTING CEILINGS AND CEILING SUPPORT SYSTEM WHERE NEW CEILINGS

15. PROVIDE TEMPORARY WEATHER PROTECTION DURING INTERVAL BETWEEN

ARE INDICATED, UNLESS NOTED OTHERWISE.

17. GC TO DOCUMENT EXISTING LOCATIONS OF SUPPLY, EXHAUST AND RETURN GRILLS

PRIOR TO DEMOLITION LARGE. INSPECT AND INVENTORY. CC SHALL BEINSTALL ALL.

PRIOR TO DEMOLITION. LABEL, INSPECT AND INVENTORY. GC SHALL REINSTALL ALL GRILLS IN PREVIOUS LOCATIONS PRIOR TO DEMOLITION.

18. REMOVE EXISTING FINISHES AS REQUIRED AS PER FINISH MANUFACTURE'S PRINTED

DEMOLITION WORK WITHIN THIS CONTRACT SHALL BE RETURNED TO ITS ORIGINAL

INSTRUCTIONS, SEE FINISH SCHEDULE FOR NEW FINISHES.

19. AREA OR OBJECTS IDENTIFIED AS "EXISTING TO REMAIN" OR " NOT IN CONTRACT" "N.I.C." SHALL BE PROTECTED. ALL DAMAGE TO THESE AREAS RESULTING FROM

20. ALL INFORMATION REGARDING EXISTING CONDITIONS IS BASED ON OWNER SUPPLIED DOCUMENTS AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN DRAWINGS DEPICTING EXISTING CONDITIONS OR UPON DISCOVERY OF UNKNOWN CONDITIONS DETRIMENTAL TO THE COMPLETION OF THE WORK AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT, IN WRITING, OF THE CONDITIONS IN QUESTION BEFORE PROCEEDING WITH THE WORK IN THAT AREA.

21. COORDINATE OWNER WALK THROUGH TO IDENTIFY AL ITEMS TO BE SALVAGED FOR THE OWNER'S RE-USE. INCLUDING BUT NOT LIMITED TO MEDICAL EQUIPMENT, FRAMED DOCUMENTS, SIGNS/GRAPHIC ART, HISTORICAL COLLECTIBLES, ETC. REMOVE ITEMS THUS IDENTIFIED AND GIVE TO THE OWNER, OR STORE FOR RE-USE AT PER OWNERS DIRECTION.

22. THIS PLAN IS BEING ISSUED FOR THE PURPOSE OF ASSISTING THE CONTRACTOR IN BETTER UNDERSTANDING THE PROJECT SCOPE. IT SHALL REMAIN THE CONTRACTORS RESPONSIBILITY TO VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS.

23. REMOVE ALL ROOM GRAPHICS AND ROOM SIGNAGE FROM WALLS - REMOVE GLUE FROM WALLS AND PREP FOR NEW ROOM GRAPHICS.

24. REMOVE ALL EXISTING SHELVING FROM WALLS, PREP WALLS FOR NEW PAINT - RETURN SHELVING BACK TO SPACE AFTER PAINT AND FLOORING IS COMPLETED.

RETURN SHELVING BACK TO SPACE AFTER PAINT AND FLOORING IS COMPLETED.

24. REMOVE ALL EXISTING AWP FROM WALLS, PREP WALLS FOR NEW PAINT -RETURN

KEYED NOTES

AWP BACK TO SPACE AFTER PAINT IS COMPLETED.

NUMBER	DESCRIPTION
801	REMOVE AND DISPOSE OF EXISTING CASEWORK AND ACCESSORIES. PATCH, REPAIR AND CLEAN WALL AND FLOOR TO PREPARE FOR NEW CASEWORK. AT TEACHER STATIONS CAREFULLY REMOVE EYEWASH AND REINSTALL - TEST TO MAKE SURE IT IS WORKING. TYP.
804	REMOVE EXISTING CANOPY AND COLUMNS. PATO REPAIR AND CLEAN WALL AND FLOOR TO PREPA NEW INTERVENTION.
810	REMOVE EXISTING HAND DRYERS. PATCH, REPAI AND CLEAN WALL AND PREPARE FOR NEW FINISI AND/OR HAND DRYER. VERIFY HEIGHT ON FIELD.
811	REMOVE EXISTING MIRRORS, PATCH, REPAIR AN CLEAN WALL AND PREPARE FOR NEW FINISH AND/OR MIRROR.
820	REPLACE DOORS AND HARDWARE IN MAIN CUSTODIAL HALL, FINE ARTS ENTRY AND PRACTI (SOUND DOORS), AUTOSHOP
859	EXISTING AUDITORIUM CHAIRS SHALL BE PROTECTED FROM DAMAGE DURING FLOOR FINIDEMO AND INSTALL.
861	CAREFULLY REMOVE EXISTING AUDITORIUM CHA SALVAGE, INVENTORY AND PROTECT CHAIR FOR REINSTALL AT NEW LOCATION. ZONE INDICATES PREP AREA FOR PORTION OF SLAB DEMO, NEW CONTROL BOOTH, AND UTILITY ROUGH-IN INSTALLATION. REMOVE EXISTING FLOOR FINISH REFER TO PLANS, MEPT, AND A/V DWGS.
898	REMOVE EXISTING CARPETED FLOORING BASE DOWN TO EXISTING SUBSTRATE. PATCH AND/OR REPAIR EXISTING SUBSTRATE. APPLY LEVELING COMPOUND AS REQ'D. FOR NEW SCHEDULE FINI
901	REMOVE EXISTING VCT FLOORING & BASE DOWN TO EXISTING SUBSTRATE. PATCH AND/OR REPAIL EXISTING SUBSTRATE. APPLY LEVELING COMPOUND AS REQ'D. FOR NEW SCHEDULE FINI

DEMOLITION PLAN LEGEND

DESCRIPTION

AREA OF DEMOLITION

EXISTING CONSTRUCTION TO BE DEMOLISHED

EXISTING CONSTRUCTION
TO REMAIN

Page/

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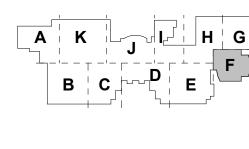
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KEYPLAN



REVISION HISTORY

1 ADDENDUM 02 12/20/2024
REVISION DESCRIPTION DATE
PROFESSIONAL SEALS



CLIENT



2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway

Houston, TX 77041

PROJECT NUMBER
33AC23221

ABBREVIAT

DRAWN BY CHECKED BY Author Checker

ORIGINAL ISSUE

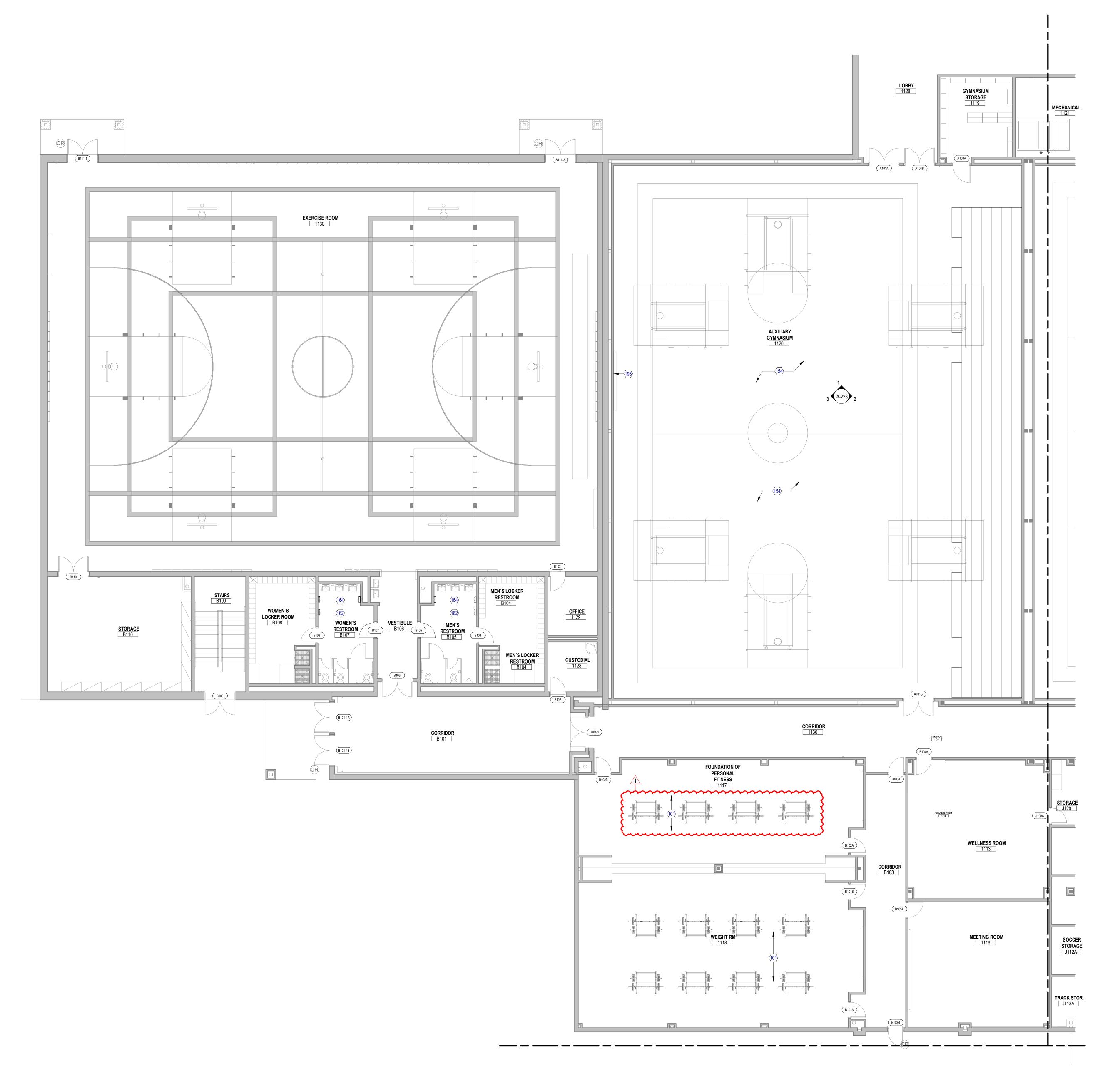
ISSUE FOR PROPOSALS DECEMBER 09, 2024

SHEET NAME

ARCHITECTURAL - DEMOLITION PLAN -LEVEL 01 - AREA F

SHEET NUMBER

AD-101-F



FLOOR PLAN GENERAL NOTES

1. ALL UNMARKED PARTITIONS ARE TYPE M8. ALL COLUMN FURRING TO BE PARTITION TYPE M6, UNLESS NOTED OTHERWISE.

ACCESSORIES.

2. ALL WINDOW & DOOR PLAN OPENINGS ARE DIMENSIONED ON AREA PLANS.

3. FOR FIRE AND LIFE SAFETY PLANS, REFER TO GL DRAWINGS.

4. ROOF PLAN SHOWN FOR REFERENCE ONLY. REFER TO ROOF PLAN FOR NOTES AND

DIMENSIONS. 5. REFER TO A200 SERIES DRAWINGS: EXTERIOR ELEVATIONS, A300 SERIES

DRAWINGS: BUILDING AND WALL SECTIONS. 6. REFER TO A600 SERIES FOR ALL PARTITIONS, DOORS, WINDOWS, AND

7. INSTALL APPROPRIATE MANUFACTURED EXPANSION JOINT COVERS AT ALL VISIBLE BUILDING EXPANSION JOINTS. TOP OF COVER OF FLOOR EXPANSION JOINT COVERS TO BE FLUSH WITH TOP OF FINISHED FLOOR.

8. ALL PARTITION DIMENSIONS ARE TAKEN FROM THE CENTERLINE OF COLUMNS AND TO THE DRYWALL FACE.

9. INSTALL BLOCKING AS REQUIRED TO SUPPORT WALL MOUNTED DEVICES. 10. AT ALL SPANDREL GLASS LOCATIONS, FACE OF INTERIOR WALL TO BE CONTINUOUS WITH ADJACENT WALL.

11. REFER TO A-551 FOR INTERIOR PLAN DETAILS.

12. GENERAL DIMENSIONS PROVIDED ON FLOOR PLANS AND AREA PLANS DO NOT REFLECT THE ROUGH OPENING DIMENSIONS REQUIRED FOR COORDINATION WITH MASONRY JOINT COURSING. CONTRACTOR IS TO PROVIDE ROUGH OPENING FRAMING DIMENSIONS CONSISTENT WITH ENLARGED ARCHITECTURAL PLAN/SECTION DETAILS (A5 SERIES SHEETS), AND WINDOW SCHEDULE/DETAILS (A6 SERIES). CONTRACTOR TO SUBMIT RFI FOR ANY ROUGH OPENING DIMENSIONS NOT GIVEN IN DETAILING FOR CLARIFICATION REQUIRED.

13. ALL APPLIANCES AND EXHAUST HOODS TO BE REMOVED AND RELOCATED DURING CONSTRUCTION AND PLACED BACK INTO ITS ROOM AFTER CASEWORK IS

14. REFER TO A-200 SERIES FOR CASEWORK ELEVATIONS.

KEYED NOTES

REPLACE SPORT FLOORING IN WEIGHT ROOM 1117-1118. REFER TO FINISH PLANS. STRIP DOWN AND REFINISH EXISTING GYM FLOOR IN AUXILIARY GYM. PROTECT GYM STRUCTURE, HVAC SYSTEMS AND COILS, EQUIPMENT, AND BLEACHERS DURING CONSTRUCTION. CLEAN AREA UNDER EXTENDED BLEACHERS, UPON COMPLETION OF NEW WORK. PROVIDE TEMPORARY AIR FILTERS FOR AIR

HANDLERS DURING CONSTRUCTION. REPLACE ALL EXISTING ELECTRIC HAND DRYERS WITH NEW DISTRICT STANDARD MODEL: SANIFLO M06AF-UL PROVIDE NEW MIRRORS IN ALL RESTROOMS. COSMETOLOGY ROOM, AND DRESSING ROOMS. REPLACE EXISTING SCOREBOARD. BASKETBALL

FLOOR PLAN LEGEND

PARTITION TAG REFER TO PARTITION SCHEDULE

BUILDING SECTION TAG WALL SECTION TAG

EXTERIOR ELEVATION TAG

INTERIOR ELEVATION TAG

PLAN REFERENCE TAG

EXISTING PARTITION

WITH WINDOW MARK

REF DOOR SCHEDULE | REF GLAZING ELEVATIONS |

1-HOUR FIRE WALL, FIRE BARRIER, OR FIRE PARTITION

COLUMN GRID DESIGNATIONS

ROOM NAME - ROOM NAME 101 ROOM NUMBER

NEW PARTITION

REF PARTITION SCHEDULE

WITH DOOR TAG

KEYED NOTE KEYED NOTES ONLY APPLY TO THIS SHEET

SCOREBOARD MODEL 5250 - SPECTRUM BY WATCH FIRE. CABINET DIMENSIONS: 12'W X 6'H X 5"D / INCLUDE OPTIONS FOR: TEAM NAME, MASCOT, CUSTOM 2-TONE COLOR. CONSOLE PLUG TO BE LOCATED AT FRONT FACE OF BLEACHERS AND AT OPPOSITE SIDE OF COURTS. PROVIDE AUTOMATIC RETRACTING COMPONENTS TO RETRACT CONSOLE CABLE WHEN BLEACHERS ARE CLOSED. FIELD VERIFY EXACT LOCATION OF SCOREBOARD.

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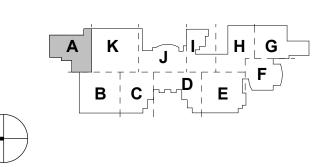
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REVISION HISTORY

12/20/2024

1 ADDENDUM 02 REVISION DESCRIPTION PROFESSIONAL SEALS

CLIENT



2024 CY RIDGE HS

RENOVATION

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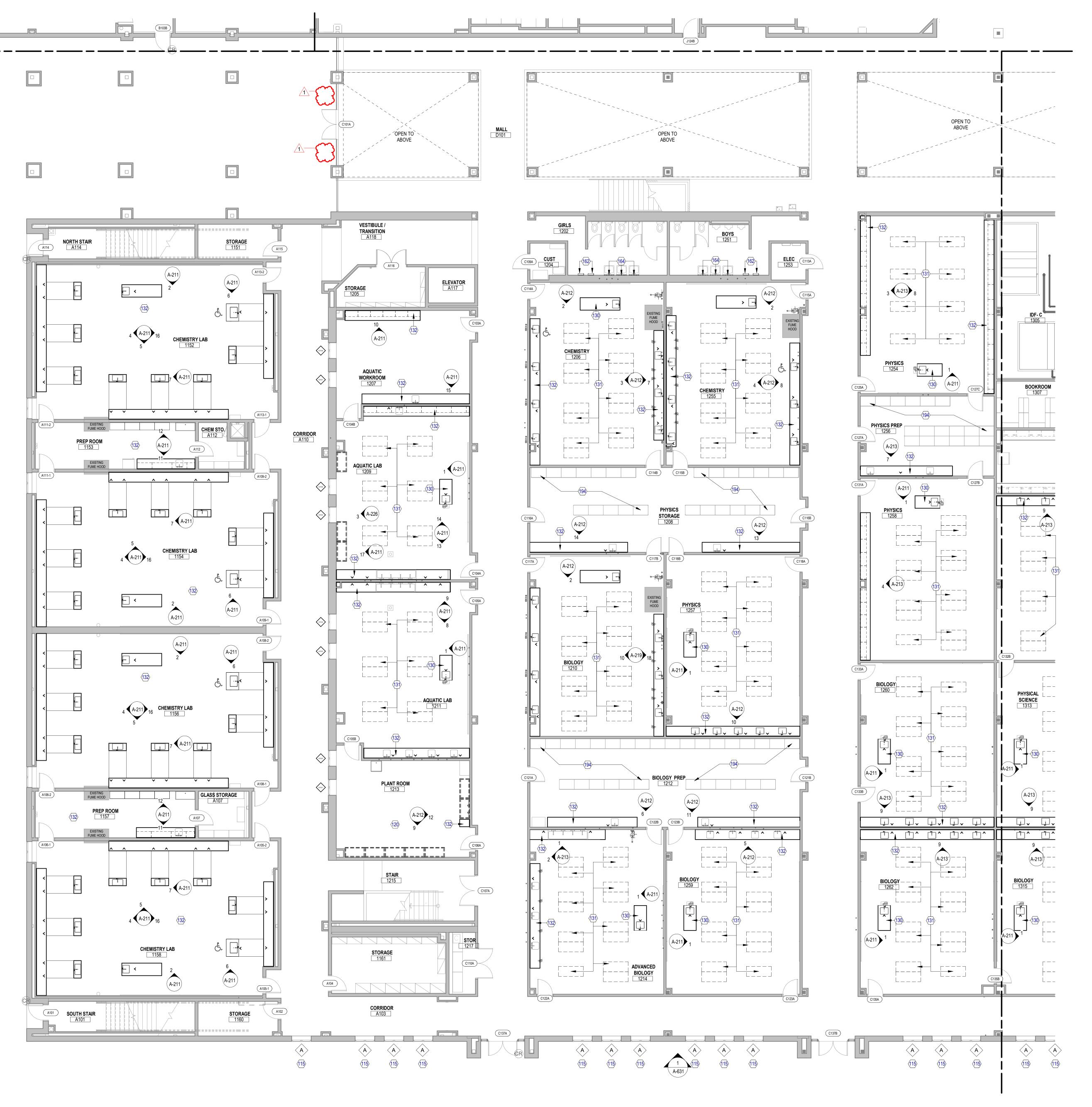
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ISSUE FOR PROPOSALS **DECEMBER 09, 2024**

ARCHITECTURAL - FLOOR PLAN -LEVEL 01 - AREA A

SHEET NUMBER

A-101-A



FLOOR PLAN GENERAL NOTES

1. ALL UNMARKED PARTITIONS ARE TYPE M8. ALL COLUMN FURRING TO BE PARTITION TYPE M6, UNLESS NOTED OTHERWISE.

DIMENSIONS.

2. ALL WINDOW & DOOR PLAN OPENINGS ARE DIMENSIONED ON AREA PLANS.

3. FOR FIRE AND LIFE SAFETY PLANS, REFER TO GL DRAWINGS.

4. ROOF PLAN SHOWN FOR REFERENCE ONLY. REFER TO ROOF PLAN FOR NOTES AND

5. REFER TO A200 SERIES DRAWINGS: EXTERIOR ELEVATIONS, A300 SERIES DRAWINGS: BUILDING AND WALL SECTIONS.

6. REFER TO A600 SERIES FOR ALL PARTITIONS, DOORS, WINDOWS, AND ACCESSORIES.

7. INSTALL APPROPRIATE MANUFACTURED EXPANSION JOINT COVERS AT ALL VISIBLE BUILDING EXPANSION JOINTS. TOP OF COVER OF FLOOR EXPANSION JOINT COVERS TO BE FLUSH WITH TOP OF FINISHED FLOOR.

8. ALL PARTITION DIMENSIONS ARE TAKEN FROM THE CENTERLINE OF COLUMNS AND TO THE DRYWALL FACE.

9. INSTALL BLOCKING AS REQUIRED TO SUPPORT WALL MOUNTED DEVICES. 10. AT ALL SPANDREL GLASS LOCATIONS, FACE OF INTERIOR WALL TO BE CONTINUOUS WITH ADJACENT WALL.

11. REFER TO A-551 FOR INTERIOR PLAN DETAILS.

12. GENERAL DIMENSIONS PROVIDED ON FLOOR PLANS AND AREA PLANS DO NOT REFLECT THE ROUGH OPENING DIMENSIONS REQUIRED FOR COORDINATION WITH MASONRY JOINT COURSING. CONTRACTOR IS TO PROVIDE ROUGH OPENING FRAMING DIMENSIONS CONSISTENT WITH ENLARGED ARCHITECTURAL PLAN/SECTION DETAILS (A5 SERIES SHEETS), AND WINDOW SCHEDULE/DETAILS (A6 SERIES). CONTRACTOR TO SUBMIT RFI FOR ANY ROUGH OPENING DIMENSIONS NOT GIVEN IN DETAILING FOR CLARIFICATION REQUIRED.

13. ALL APPLIANCES AND EXHAUST HOODS TO BE REMOVED AND RELOCATED DURING CONSTRUCTION AND PLACED BACK INTO ITS ROOM AFTER CASEWORK IS

14. REFER TO A-200 SERIES FOR CASEWORK ELEVATIONS.

MENED MOTEC

	KEYED NOTES
NUMBER	DESCRIPTION
115	APPLY SECURITY FILM TO INTERIOR SIDE OF GLAZING AT EXTERIOR WINDOW. REFER TO WINDOW ELEVATIONS FOR FILM LOCATIONS AND DETAILS.
120	UPDATE THE EXISTING CONTROL ROOM (ELECTRICAL AND TECHNOLOGY) TO ACCOMMODATE CONNECTION AND OPERATION OF NEW SOUND BOARD.
130	INSTRUCTOR DESK / NEW CASEWORK - REFER TO ELEVATIONS FOR DETAILS.
131	STUDENT TABLE / RE: 17/A-216
132	NEW CASEWORK - REFER TO ELEVATIONS FOR DETAILS.
162	REPLACE ALL EXISTING ELECTRIC HAND DRYERS WITH NEW DISTRICT STANDARD MODEL: SANIFLO M06AF-UL
164	PROVIDE NEW MIRRORS IN ALL RESTROOMS, COSMETOLOGY ROOM, AND DRESSING ROOMS.

WOOD SHELVING SYSTEM; REF 9/A-706

FLOOR PLAN LEGEND

PARTITION TAG

BUILDING SECTION TAG

EXTERIOR ELEVATION TAG

INTERIOR ELEVATION TAG

PLAN REFERENCE TAG

1-HOUR FIRE WALL, FIRE BARRIER, OR FIRE PARTITION

COLUMN GRID DESIGNATIONS

— ROOM NUMBER

EXISTING PARTITION

NEW WINDOW

WITH WINDOW MARK

REF DOOR SCHEDULE | REF GLAZING ELEVATIONS |

WALL SECTION TAG

KEYED NOTE KEYED NOTES ONLY APPLY TO THIS SHEET

REFER TO PARTITION SCHEDULE

MATCHLINE MATCH LINE
REF 01/A101 SHEET REFERENCE

ROOM NAME ROOM NAME

NEW PARTITION

REF PARTITION SCHEDULE

NEW DOOR

WITH DOOR TAG

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REVISION HISTORY

1 ADDENDUM 02 REVISION DESCRIPTION PROFESSIONAL SEALS



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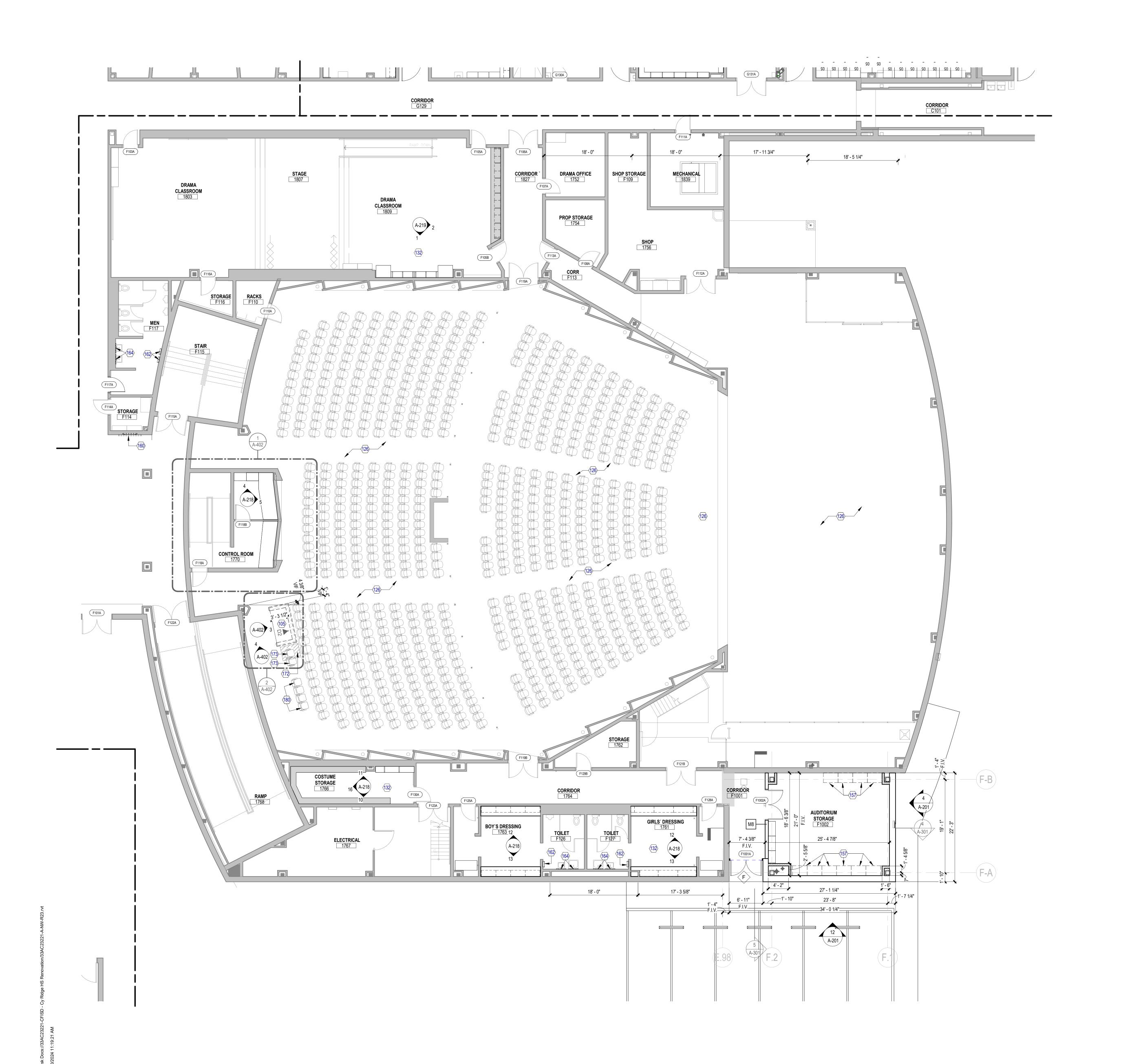
33AC23221 **CHECKED BY** ORIGINAL ISSUE ISSUE FOR PROPOSALS

DECEMBER 09, 2024

ARCHITECTURAL - FLOOR PLAN -LEVEL 01 - AREA B

SHEET NUMBER

A-101-B



1 ARCHITECTURAL - FLOOR PLAN - LEVEL 01 - AREA F
SCALE: 1/8" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. ALL UNMARKED PARTITIONS ARE TYPE M8. ALL COLUMN FURRING TO BE PARTITION TYPE M6, UNLESS NOTED OTHERWISE.

2. ALL WINDOW & DOOR PLAN OPENINGS ARE DIMENSIONED ON AREA PLANS.

3. FOR FIRE AND LIFE SAFETY PLANS, REFER TO GL DRAWINGS.

4. ROOF PLAN SHOWN FOR REFERENCE ONLY. REFER TO ROOF PLAN FOR NOTES AND DIMENSIONS.

5. REFER TO A200 SERIES DRAWINGS: EXTERIOR ELEVATIONS, A300 SERIES

DRAWINGS: BUILDING AND WALL SECTIONS.

6. REFER TO A600 SERIES FOR ALL PARTITIONS, DOORS, WINDOWS, AND ACCESSORIES.

7. INSTALL APPROPRIATE MANUFACTURED EXPANSION JOINT COVERS AT ALL VISIBLE BUILDING EXPANSION JOINTS. TOP OF COVER OF FLOOR EXPANSION JOINT COVERS TO BE FLUSH WITH TOP OF FINISHED FLOOR.

8. ALL PARTITION DIMENSIONS ARE TAKEN FROM THE CENTERLINE OF COLUMNS AND TO THE DRYWALL FACE.

9. INSTALL BLOCKING AS REQUIRED TO SUPPORT WALL MOUNTED DEVICES. 10. AT ALL SPANDREL GLASS LOCATIONS, FACE OF INTERIOR WALL TO BE CONTINUOUS WITH ADJACENT WALL.

11. REFER TO A-551 FOR INTERIOR PLAN DETAILS.

12. GENERAL DIMENSIONS PROVIDED ON FLOOR PLANS AND AREA PLANS DO NOT REFLECT THE ROUGH OPENING DIMENSIONS REQUIRED FOR COORDINATION WITH MASONRY JOINT COURSING. CONTRACTOR IS TO PROVIDE ROUGH OPENING FRAMING DIMENSIONS CONSISTENT WITH ENLARGED ARCHITECTURAL PLAN/SECTION DETAILS (A5 SERIES SHEETS), AND WINDOW SCHEDULE/DETAILS (A6 SERIES). CONTRACTOR TO SUBMIT RFI FOR ANY ROUGH OPENING DIMENSIONS NOT GIVEN IN DETAILING FOR CLARIFICATION REQUIRED.

13. ALL APPLIANCES AND EXHAUST HOODS TO BE REMOVED AND RELOCATED DURING CONSTRUCTION AND PLACED BACK INTO ITS ROOM AFTER CASEWORK IS

14. REFER TO A-200 SERIES FOR CASEWORK ELEVATIONS.

	KEYED NOTES
NUMBER	DESCRIPTION
105	NEW PORTABLE SOUND BOOTH AND CASEWORK WITH LOCKABLE CABINET TOP TO SECURE SOUND EQUIPMENT. PROVIDE DATA AND POWER (REFERENCE A/V, ELECTRICAL, AND TECHNOLOGY FOR ADDITIONAL INFORMATION).
126	PROVIDE NEW AV SYSTEMS AND CONTROLS PER DISTRICT STANDARDS (INCLUDES LIGHTING, SOUND, VIDEO, THEATRICAL LIGHT FIXTURES, SPEAKERS & INPUTS, DMX, SOUND AMPLIFIERS, PROJECTOR AND SCREEN, CONTROL BOOTH, COMMUNICATIONS, ETC. FOR LIGHT FIXTURES REPLACED AT CATWALKS, USER'S REACH RANGES AND ACCESS TO FIXTURE FROM CATWALK SHALL REMAIN WITHIN SAFE DISTANCES. RE: AV DRAWING PLANS.
132	NEW CASEWORK - REFER TO ELEVATIONS FOR DETAILS.
157	36"W X 24"D X 84"H METAL SHELVING PROPERLY BRACED AND BOLTED TO WALL PER MANUFACTURER AND DISTRICT STANDARDS. SHELVING SHALL BE CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
160	NEW TV. REF: TECHNOLOGY AND ELECTRICAL DWGS.
162	REPLACE ALL EXISTING ELECTRIC HAND DRYERS WITH NEW DISTRICT STANDARD MODEL: SANIFLO M06AF-UL
164	PROVIDE NEW MIRRORS IN ALL RESTROOMS, COSMETOLOGY ROOM, AND DRESSING ROOMS.
172	INFILL PORTION OF EXISTING FLOOR WITH LEVELED AND DOWELED CONCRETE TO MATCH ADJACENT ELEVATION HEIGHT. INSTALL NEW CARPET AND TRANSITION STRIPS TO MATCH EXISTING.
173	INSTALL EXISTING AUDITORIUM CHAIR IN NEW LOCATION. ALIGN WITH EXISTING ROW AND SECURE TO FLOOR AND SLAB.
180	EXISTING AUDITORIUM CHAIRS SHALL BE PROTECTED FROM DAMAGE DURING NEW FLOOR FINISH INSTALLATION.

REF 01/A101-	SHEET REFERENCE
(14)	KEYED NOTE KEYED NOTES ONLY APPLY TO THIS SHEET
A1 X	PARTITION TAG REFER TO PARTITION SCHEDULE
1 A-301	BUILDING SECTION TAG WALL SECTION TAG
1 A-201	EXTERIOR ELEVATION TAG
1 (A-211)	INTERIOR ELEVATION TAG
1 A-431	PLAN REFERENCE TAG
ROOM NAME —	ROOM NAME ROOM NUMBER
	1-HOUR FIRE WALL, FIRE BARRIER, OR FIRE PARTITION
NEW PARTITION REF PARTITION	EXISTING PARTITION A

NEW DOOR
WITH DOOR TAG
REF DOOR SCHEDULE

NEW WINDOW
WITH WINDOW MARK
REF GLAZING ELEVATIONS

FLOOR PLAN LEGEND



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MEP & AV/THEATRICAL ENGINEER

Salas O'Brien

REVISION HISTORY

12/20/2024

1 ADDENDUM 02 REVISION DESCRIPTION PROFESSIONAL SEALS





PROJECT 2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

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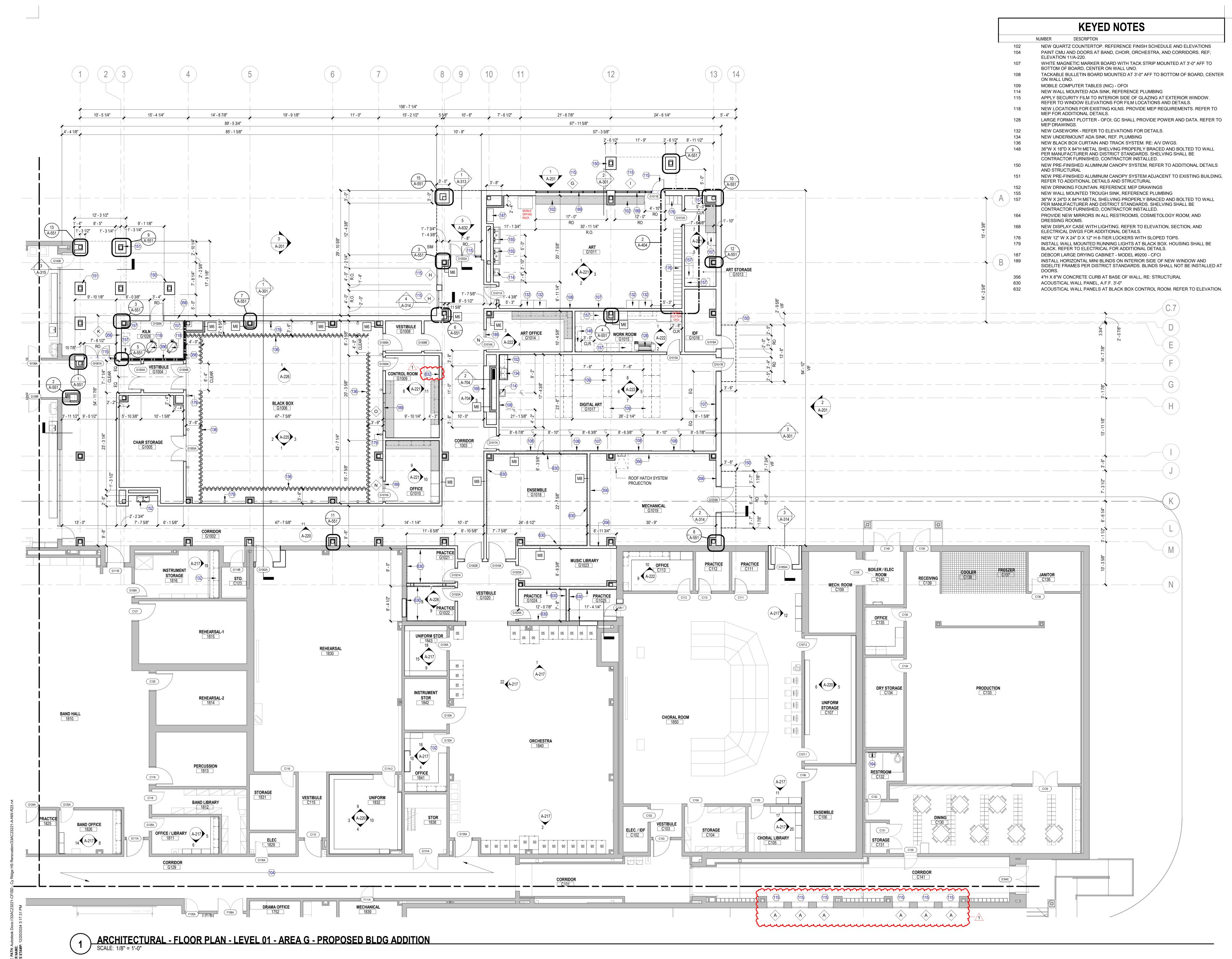
ORIGINAL ISSUE ISSUE FOR PROPOSALS DECEMBER 09, 2024

SHEET NAME ARCHITECTURAL - FLOOR PLAN -LEVEL 01 - AREA F

SHEET NUMBER

COLUMN GRID DESIGNATIONS

A-101-F





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1 ADDENDUM 02



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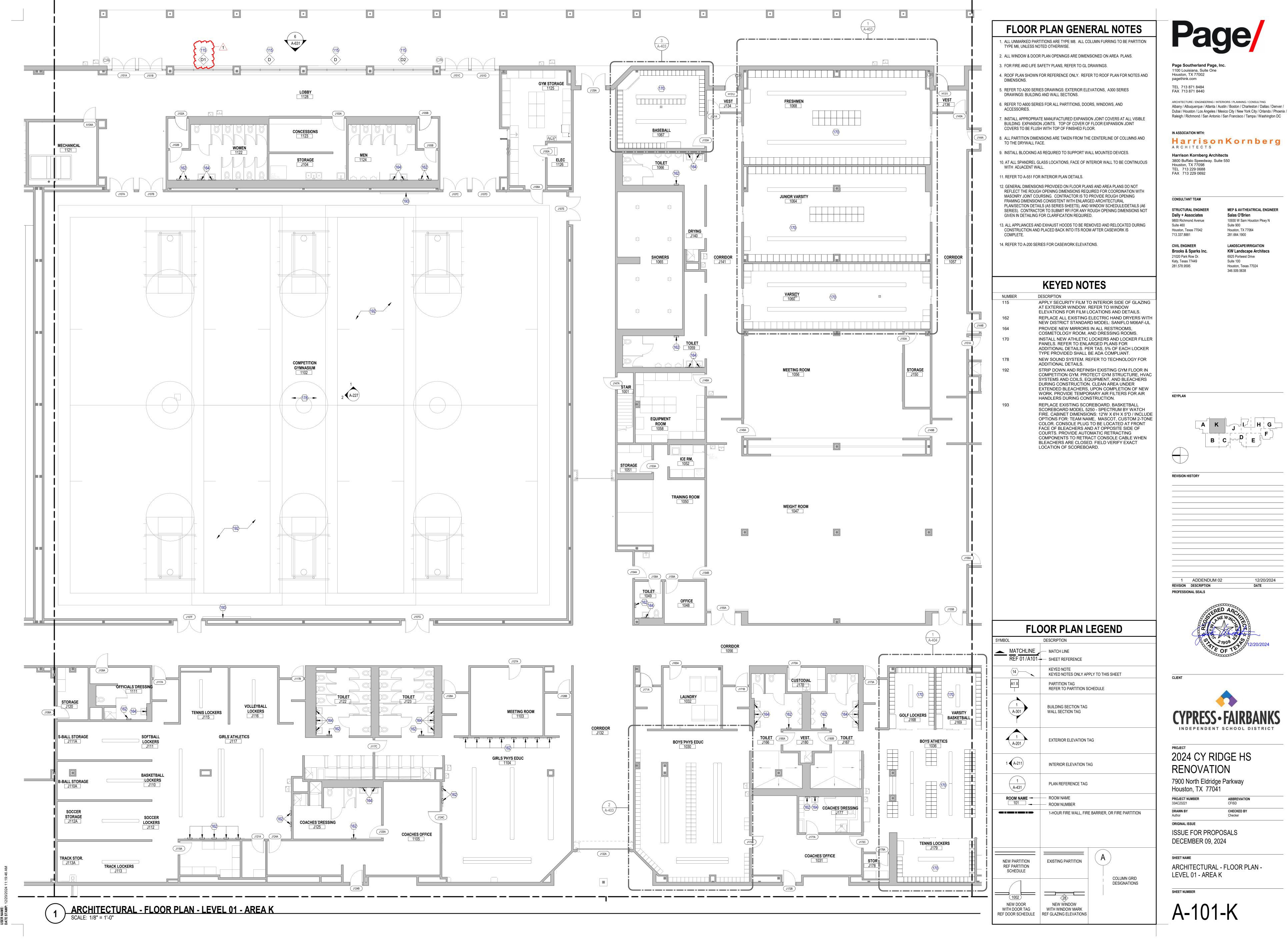
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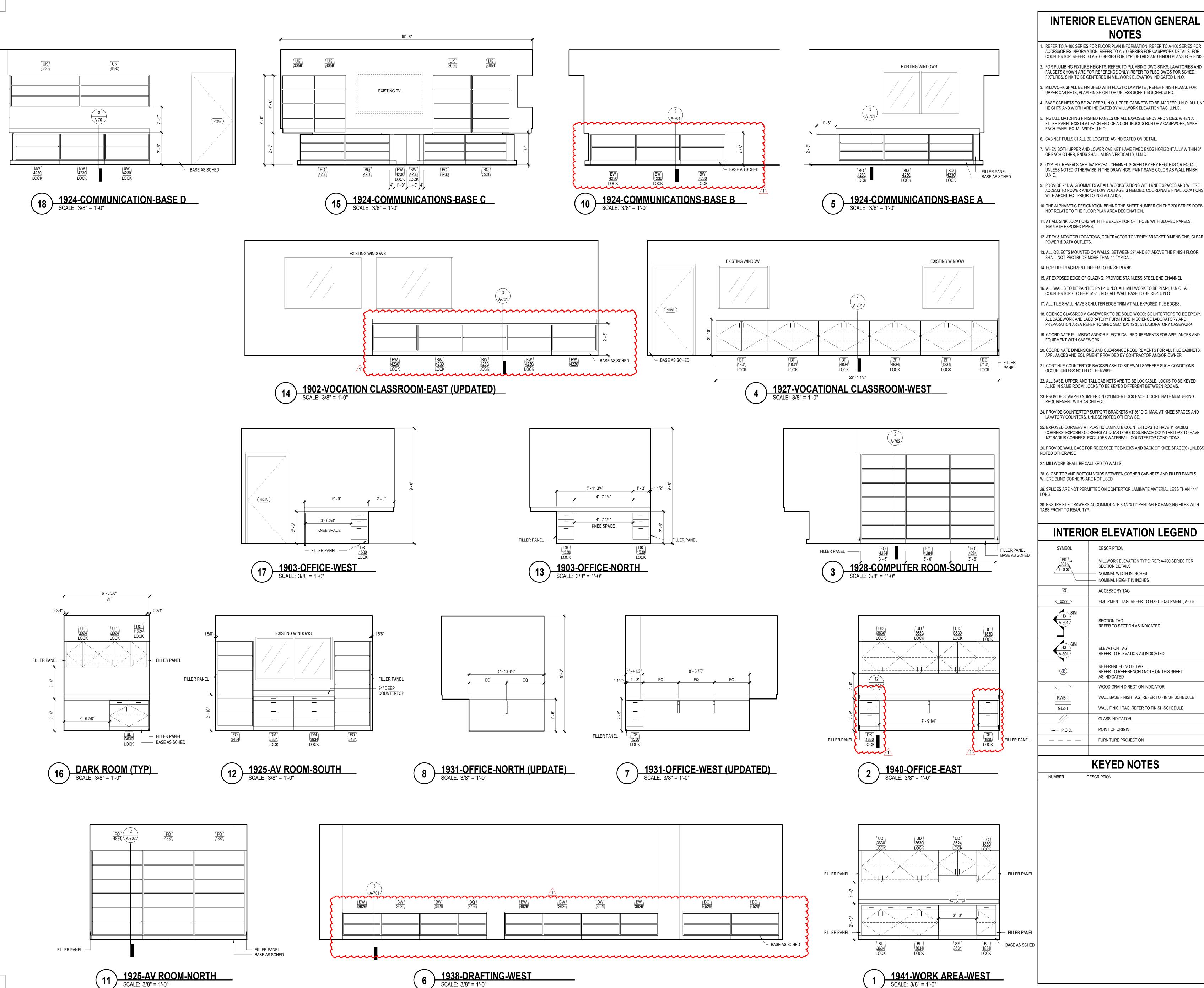
ARCHITECTURAL - FLOOR PLAN -LEVEL 01 - AREA G

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A-101-G



MEP & AV/THEATRICAL ENGINEER



. REFER TO A-100 SERIES FOR FLOOR PLAN INFORMATION. REFER TO A-100 SERIES FOR ACCESSORIES INFORMATION. REFER TO A-700 SERIES FOR CASEWORK DETAILS. FOR COUNTERTOP, REFER TO A-700 SERIES FOR TYP. DETAILS AND FINISH PLANS FOR FINISH. FOR PLUMBING FIXTURE HEIGHTS, REFER TO PLUMBING DWG.SINKS, LAVATORIES AND FAUCETS SHOWN ARE FOR REFERENCE ONLY. REFER TO PLBG DWGS FOR SCHED.

FIXTURES. SINK TO BE CENTERED IN MILLWORK ELEVATION INDICATED U.N.O. MILLWORK SHALL BE FINISHED WITH PLASTIC LAMINATE, REFER FINISH PLANS. FOR

UPPER CABINETS, PLAM FINISH ON TOP UNLESS SOFFIT IS SCHEDULED. BASE CABINETS TO BE 24" DEEP U.N.O. UPPER CABINETS TO BE 14" DEEP U.N.O. ALL UNIT

. INSTALL MATCHING FINISHED PANELS ON ALL EXPOSED ENDS AND SIDES. WHEN A FILLER PANEL EXISTS AT EACH END OF A CONTINUOUS RUN OF A CASEWORK, MAKE EACH PANEL EQUAL WIDTH U.N.O.

6. CABINET PULLS SHALL BE LOCATED AS INDICATED ON DETAIL.

WHEN BOTH UPPER AND LOWER CABINET HAVE FIXED ENDS HORIZONTALLY WITHIN 3" OF EACH OTHER, ENDS SHALL ALIGN VERTICALLY, U.N.O.

GYP. BD. REVEALS ARE 1/4" REVEAL CHANNEL SCREED BY FRY REGLETS OR EQUAL, UNLESS NOTED OTHERWISE IN THE DRAWINGS. PAINT SAME COLOR AS WALL FINISH

PROVIDE 2" DIA. GROMMETS AT ALL WORKSTATIONS WITH KNEE SPACES AND WHERE ACCESS TO POWER AND/OR LOW VOLTAGE IS NEEDED. COORDINATE FINAL LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

10. THE ALPHABETIC DESIGNATION BEHIND THE SHEET NUMBER ON THE 200 SERIES DOES NOT RELATE TO THE FLOOR PLAN AREA DESIGNATION.

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12. AT TV & MONITOR LOCATIONS, CONTRACTOR TO VERIFY BRACKET DIMENSIONS, CLEAR POWER & DATA OUTLETS.

13. ALL OBJECTS MOUNTED ON WALLS, BETWEEN 27" AND 80" ABOVE THE FINISH FLOOR. SHALL NOT PROTRUDE MORE THAN 4", TYPICAL.

14. FOR TILE PLACEMENT, REFER TO FINISH PLANS

16. ALL WALLS TO BE PAINTED PNT-1 U.N.O. ALL MILLWORK TO BE PLM-1, U.N.O. ALL COUNTERTOPS TO BE PLM-2 U.N.O. ALL WALL BASE TO BE RB-1 U.N.O.

17. ALL TILE SHALL HAVE SCHLUTER EDGE TRIM AT ALL EXPOSED TILE EDGES. ALL CASEWORK AND LABORATORY FURNITURE IN SCIENCE LABORATORY AND PREPARATION AREA REFER TO SPEC SECTION 12 35 53 LABORATORY CASEWORK

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23. PROVIDE STAMPED NUMBER ON CYLINDER LOCK FACE. COORDINATE NUMBERING

24. PROVIDE COUNTERTOP SUPPORT BRACKETS AT 36" O.C. MAX. AT KNEE SPACES AND LAVATORY COUNTERS, UNLESS NOTED OTHERWISE.

25. EXPOSED CORNERS AT PLASTIC LAMINATE COUNTERTOPS TO HAVE 1" RADIUS CORNERS. EXPOSED CORNERS AT QUARTZ/SOLID SURFACE COUNTERTOPS TO HAVE

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30. ENSURE FILE DRAWERS ACCOMMODATE 8 1/2"X11" PENDAFLEX HANGING FILES WITH

INTERIOR ELEVATION LEGEND

SYMBOL	DESCRIPTION
BK 3034 LOCK	MILLWORK ELEVATION TYPE; REF: A-700 SERIES FOR SECTION DETAILS NOMINAL WIDTH IN INCHES NOMINAL HEIGHT IN INCHES
23	ACCESSORY TAG
< xxxx >	EQUIPMENT TAG, REFER TO FIXED EQUIPMENT, A-662
H3 A-301	SECTION TAG REFER TO SECTION AS INDICATED
H3 A-301	ELEVATION TAG REFER TO ELEVATION AS INDICATED
⟨88 ⟩	REFERENCED NOTE TAG REFER TO REFERENCED NOTE ON THIS SHEET AS INDICATED
	WOOD GRAIN DIRECTION INDICATOR
RWB-1	WALL BASE FINISH TAG, REFER TO FINISH SCHEDULE
GLZ-1	WALL FINISH TAG, REFER TO FINISH SCHEDULE
//	GLASS INDICATOR
- P.O.O.	POINT OF ORIGIN
	FURNITURE PROJECTION

KEYED NOTES

DESCRIPTION

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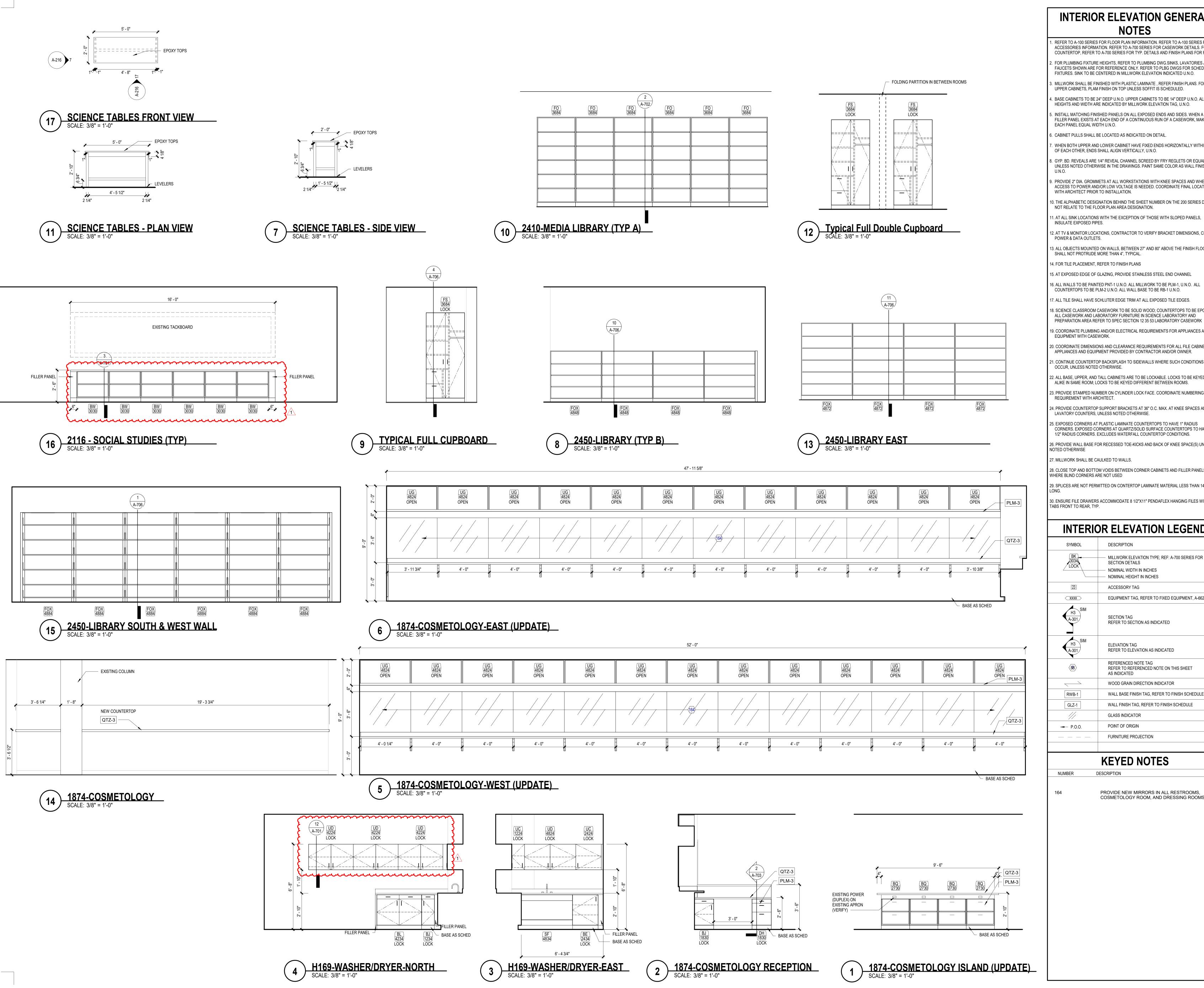
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BASE CABINETS TO BE 24" DEEP U.N.O. UPPER CABINETS TO BE 14" DEEP U.N.O. ALL UNIT HEIGHTS AND WIDTH ARE INDICATED BY MILLWORK ELEVATION TAG, U.N.O.

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9. PROVIDE 2" DIA. GROMMETS AT ALL WORKSTATIONS WITH KNEE SPACES AND WHERE ACCESS TO POWER AND/OR LOW VOLTAGE IS NEEDED. COORDINATE FINAL LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

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14. FOR TILE PLACEMENT, REFER TO FINISH PLANS

15. AT EXPOSED EDGE OF GLAZING, PROVIDE STAINLESS STEEL END CHANNEL 16. ALL WALLS TO BE PAINTED PNT-1 U.N.O. ALL MILLWORK TO BE PLM-1, U.N.O. ALL

17. ALL TILE SHALL HAVE SCHLUTER EDGE TRIM AT ALL EXPOSED TILE EDGES. 18. SCIENCE CLASSROOM CASEWORK TO BE SOLID WOOD; COUNTERTOPS TO BE EPOXY. ALL CASEWORK AND LABORATORY FURNITURE IN SCIENCE LABORATORY AND

19. COORDINATE PLUMBING AND/OR ELECTRICAL REQUIREMENTS FOR APPLIANCES AND EQUIPMENT WITH CASEWORK.

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30. ENSURE FILE DRAWERS ACCOMMODATE 8 1/2"X11" PENDAFLEX HANGING FILES WITH TABS FRONT TO REAR, TYP.

INTERIOR ELEVATION LEGEND

	SYMBOL
PE; REF: A-700 SERIES FOR S ES	BK 3034 LOCK
	[23]
TO FIXED EQUIPMENT, A-662	⟨XXXX⟩
DICATED	H3 A-301
INDICATED	H3 A-301
NOTE ON THIS SHEET	⟨88 ⟩
INDICATOR	
EFER TO FINISH SCHEDULE	RWB-1
TO FINISH SCHEDULE	GLZ-1
	//
	→ P.0.0.
INDICATED NOTE ON THIS SHEET INDICATOR EFER TO FINISH SCHEDU	XXXXX H3 SIM A-301 SIM A-301 SIM SIM

KEYED NOTES

DESCRIPTION

PROVIDE NEW MIRRORS IN ALL RESTROOMS, COSMETOLOGY ROOM, AND DRESSING ROOMS

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REVISION HISTORY

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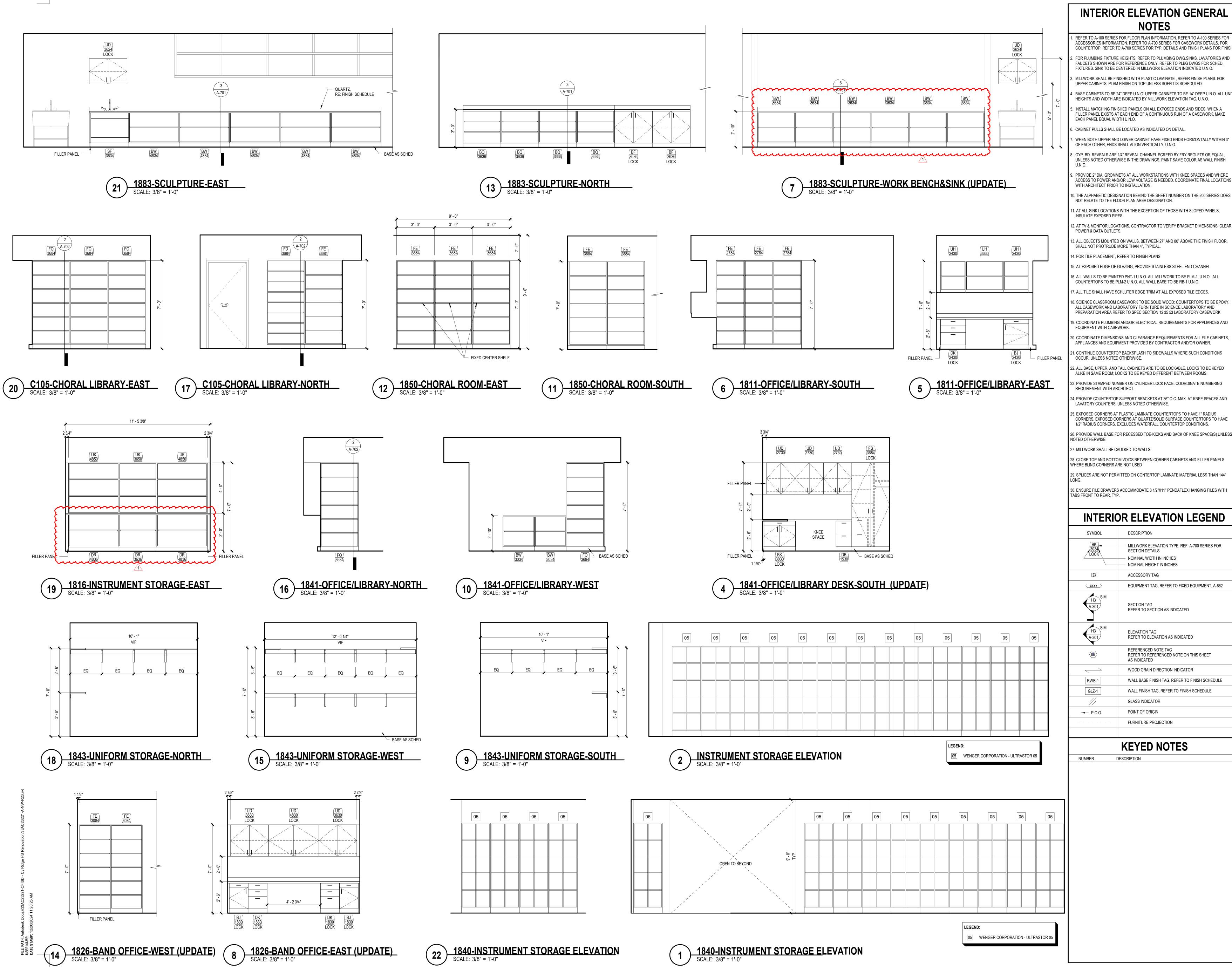
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INTERIOR ELEVATION LEGEND

SYMBOL	DESCRIPTION
3034 LOCK	MILLWORK ELEVATION TYPE; REF: A-700 SERIES FOR SECTION DETAILS NOMINAL WIDTH IN INCHES NOMINAL HEIGHT IN INCHES
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⟨xxxx⟩	EQUIPMENT TAG, REFER TO FIXED EQUIPMENT, A-662
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H3 A-301	ELEVATION TAG REFER TO ELEVATION AS INDICATED
\(\frac{88}{}\)	REFERENCED NOTE TAG REFER TO REFERENCED NOTE ON THIS SHEET AS INDICATED
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RWB-1	WALL BASE FINISH TAG, REFER TO FINISH SCHEDULE
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→ P.O.O.	POINT OF ORIGIN

KEYED NOTES

FURNITURE PROJECTION

DESCRIPTION

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REVISION HISTORY

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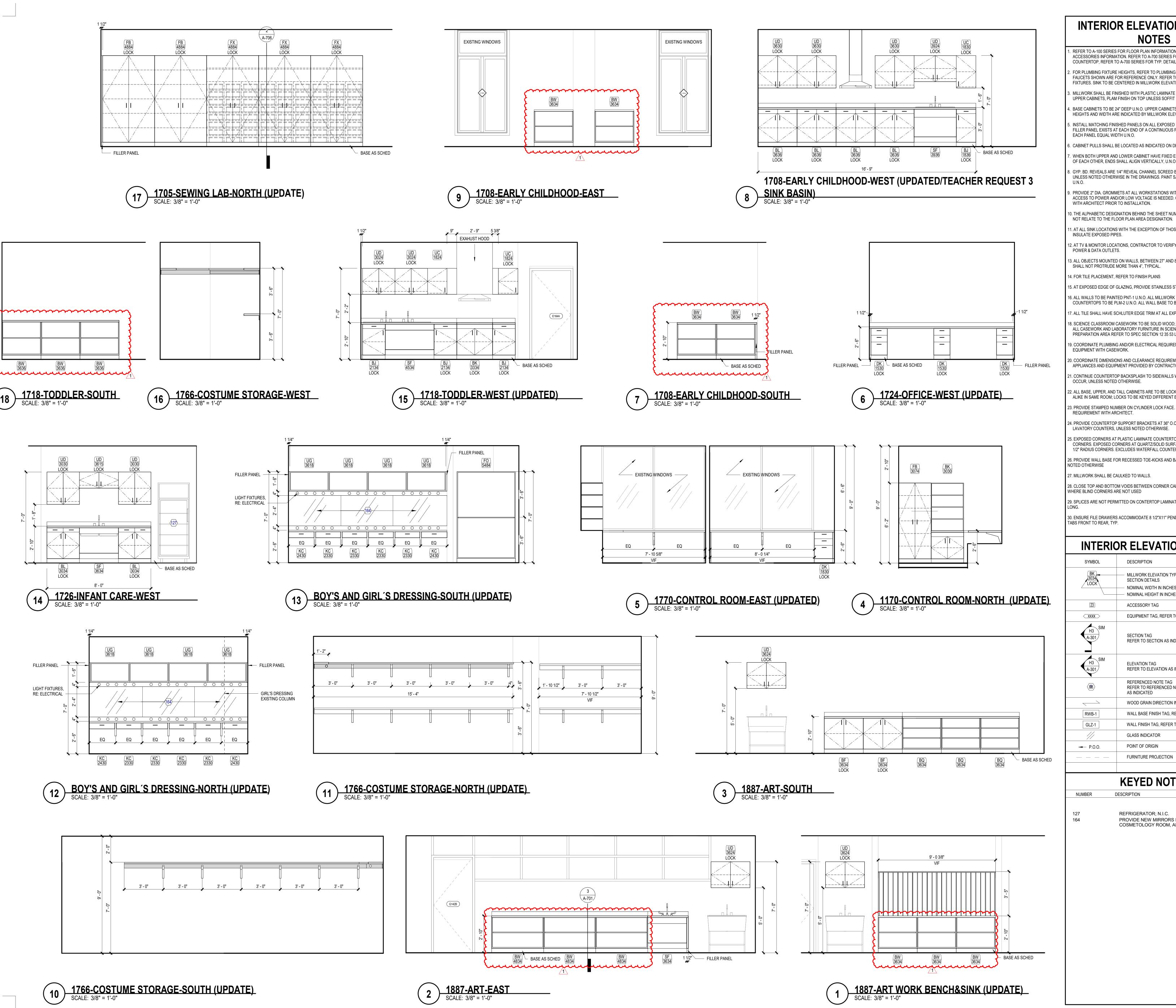
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13. ALL OBJECTS MOUNTED ON WALLS, BETWEEN 27" AND 80" ABOVE THE FINISH FLOOR, SHALL NOT PROTRUDE MORE THAN 4", TYPICAL.

14. FOR TILE PLACEMENT, REFER TO FINISH PLANS

15. AT EXPOSED EDGE OF GLAZING, PROVIDE STAINLESS STEEL END CHANNEL 16. ALL WALLS TO BE PAINTED PNT-1 U.N.O. ALL MILLWORK TO BE PLM-1, U.N.O. ALL COUNTERTOPS TO BE PLM-2 U.N.O. ALL WALL BASE TO BE RB-1 U.N.O.

17. ALL TILE SHALL HAVE SCHLUTER EDGE TRIM AT ALL EXPOSED TILE EDGES. ALL CASEWORK AND LABORATORY FURNITURE IN SCIENCE LABORATORY AND PREPARATION AREA REFER TO SPEC SECTION 12 35 53 LABORATORY CASEWORK

19. COORDINATE PLUMBING AND/OR ELECTRICAL REQUIREMENTS FOR APPLIANCES AND EQUIPMENT WITH CASEWORK.

20. COORDINATE DIMENSIONS AND CLEARANCE REQUIREMENTS FOR ALL FILE CABINETS, APPLIANCES AND EQUIPMENT PROVIDED BY CONTRACTOR AND/OR OWNER. 1. CONTINUE COUNTERTOP BACKSPLASH TO SIDEWALLS WHERE SUCH CONDITIONS

2. ALL BASE, UPPER, AND TALL CABINETS ARE TO BE LOCKABLE. LOCKS TO BE KEYED ALIKE IN SAME ROOM; LOCKS TO BE KEYED DIFFERENT BETWEEN ROOMS.

23. PROVIDE STAMPED NUMBER ON CYLINDER LOCK FACE. COORDINATE NUMBERING

24. PROVIDE COUNTERTOP SUPPORT BRACKETS AT 36" O.C. MAX. AT KNEE SPACES AND LAVATORY COUNTERS, UNLESS NOTED OTHERWISE.

25. EXPOSED CORNERS AT PLASTIC LAMINATE COUNTERTOPS TO HAVE 1" RADIUS CORNERS, EXPOSED CORNERS AT QUARTZ/SOLID SURFACE COUNTERTOPS TO HAVE

26. PROVIDE WALL BASE FOR RECESSED TOE-KICKS AND BACK OF KNEE SPACE(S) UNLESS

27. MILLWORK SHALL BE CAULKED TO WALLS

28. CLOSE TOP AND BOTTOM VOIDS BETWEEN CORNER CABINETS AND FILLER PANELS WHERE BLIND CORNERS ARE NOT USED

29. SPLICES ARE NOT PERMITTED ON CONTERTOP LAMINATE MATERIAL LESS THAN 144"

30. ENSURE FILE DRAWERS ACCOMMODATE 8 1/2"X11" PENDAFLEX HANGING FILES WITH TABS FRONT TO REAR, TYP.

INTERIOR ELEVATION LEGEND

SYMBOL	DESCRIPTION
3034 LOCK	MILLWORK ELEVATION TYPE; REF: A-700 SERIES FOR SECTION DETAILS NOMINAL WIDTH IN INCHES NOMINAL HEIGHT IN INCHES
[23]	ACCESSORY TAG
⟨xxxx⟩	EQUIPMENT TAG, REFER TO FIXED EQUIPMENT, A-662
H3 SIM A-301	SECTION TAG REFER TO SECTION AS INDICATED
H3 SIM A-301	ELEVATION TAG REFER TO ELEVATION AS INDICATED
(88)	REFERENCED NOTE TAG REFER TO REFERENCED NOTE ON THIS SHEET AS INDICATED
	WOOD GRAIN DIRECTION INDICATOR
RWB-1	WALL BASE FINISH TAG, REFER TO FINISH SCHEDULE
GLZ-1	WALL FINISH TAG, REFER TO FINISH SCHEDULE
//	GLASS INDICATOR
P.O.O.	POINT OF ORIGIN

KEYED NOTES

FURNITURE PROJECTION

DESCRIPTION

REFRIGERATOR; N.I.C. PROVIDE NEW MIRRORS IN ALL RESTROOMS, COSMETOLOGY ROOM, AND DRESSING ROOMS

Page Southerland Page, Inc. 1100 Louisiana, Suite One Houston, TX 77002

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IN ASSOCIATION WITH:

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Harrison Kornberg Architects 3800 Buffalo Speedway. Suite 550 Houston, TX 77098 TEL 713 229 0688

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MEP & AV/THEATRICAL ENGINEER Salas O'Brien 10930 W Sam Houston Pkwy N Suite 900 Houston, TX 77064 281.664.1900

CIVIL ENGINEER Brooks & Sparks Inc 21020 Park Row Dr. Katy, Texas 77449 281.578.9595

KW Landscape Architecs 6925 Portwest Drive Suite 100 Houston, Texas 77024 346.509.5638

LANDSCAPE/IRRIGATION

REVISION HISTORY

1 ADDENDUM 02 REVISION DESCRIPTION PROFESSIONAL SEALS



12/20/2024

CLIENT



2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway

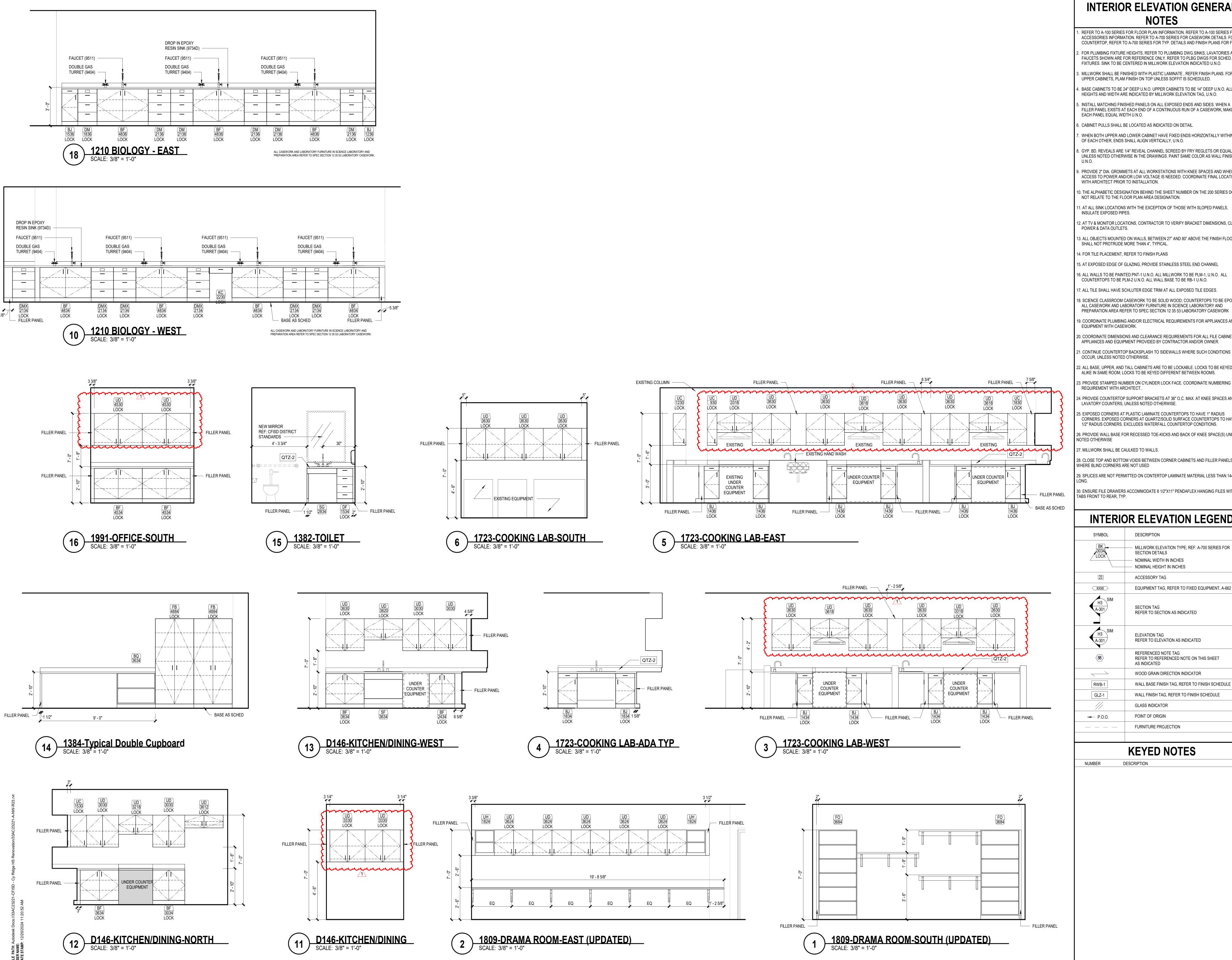
Houston, TX 77041

33AC23221 **CHECKED BY**

ORIGINAL ISSUE ISSUE FOR PROPOSALS DECEMBER 09, 2024

ARCHITECTURAL - INTERIOR **ELEVATIONS**

SHEET NUMBER A-218



1. REFER TO A-100 SERIES FOR FLOOR PLAN INFORMATION. REFER TO A-100 SERIES FOR ACCESSORIES INFORMATION. REFER TO A-700 SERIES FOR CASEWORK DETAILS. FOR COUNTERTOP, REFER TO A-700 SERIES FOR TYP. DETAILS AND FINISH PLANS FOR FINISH. FOR PLUMBING FIXTURE HEIGHTS, REFER TO PLUMBING DWG.SINKS, LAVATORIES AND FAUCETS SHOWN ARE FOR REFERENCE ONLY. REFER TO PLBG DWGS FOR SCHED.

FIXTURES. SINK TO BE CENTERED IN MILLWORK ELEVATION INDICATED U.N.O. MILLWORK SHALL BE FINISHED WITH PLASTIC LAMINATE, REFER FINISH PLANS. FOR

UPPER CABINETS, PLAM FINISH ON TOP UNLESS SOFFIT IS SCHEDULED. BASE CABINETS TO BE 24" DEEP U.N.O. UPPER CABINETS TO BE 14" DEEP U.N.O. ALL UNIT

. INSTALL MATCHING FINISHED PANELS ON ALL EXPOSED ENDS AND SIDES. WHEN A FILLER PANEL EXISTS AT EACH END OF A CONTINUOUS RUN OF A CASEWORK, MAKE EACH PANEL EQUAL WIDTH U.N.O.

6. CABINET PULLS SHALL BE LOCATED AS INDICATED ON DETAIL.

WHEN BOTH UPPER AND LOWER CABINET HAVE FIXED ENDS HORIZONTALLY WITHIN 3" OF EACH OTHER, ENDS SHALL ALIGN VERTICALLY, U.N.O.

B. GYP. BD. REVEALS ARE 1/4" REVEAL CHANNEL SCREED BY FRY REGLETS OR EQUAL, UNLESS NOTED OTHERWISE IN THE DRAWINGS. PAINT SAME COLOR AS WALL FINISH

9. PROVIDE 2" DIA. GROMMETS AT ALL WORKSTATIONS WITH KNEE SPACES AND WHERE ACCESS TO POWER AND/OR LOW VOLTAGE IS NEEDED. COORDINATE FINAL LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

10. THE ALPHABETIC DESIGNATION BEHIND THE SHEET NUMBER ON THE 200 SERIES DOES NOT RELATE TO THE FLOOR PLAN AREA DESIGNATION.

11. AT ALL SINK LOCATIONS WITH THE EXCEPTION OF THOSE WITH SLOPED PANELS, INSULATE EXPOSED PIPES.

12. AT TV & MONITOR LOCATIONS, CONTRACTOR TO VERIFY BRACKET DIMENSIONS, CLEAR POWER & DATA OUTLETS.

13. ALL OBJECTS MOUNTED ON WALLS, BETWEEN 27" AND 80" ABOVE THE FINISH FLOOR, SHALL NOT PROTRUDE MORE THAN 4", TYPICAL.

14. FOR TILE PLACEMENT, REFER TO FINISH PLANS

15. AT EXPOSED EDGE OF GLAZING, PROVIDE STAINLESS STEEL END CHANNEL 16. ALL WALLS TO BE PAINTED PNT-1 U.N.O. ALL MILLWORK TO BE PLM-1, U.N.O. ALL COUNTERTOPS TO BE PLM-2 U.N.O. ALL WALL BASE TO BE RB-1 U.N.O.

17. ALL TILE SHALL HAVE SCHLUTER EDGE TRIM AT ALL EXPOSED TILE EDGES. 18. SCIENCE CLASSROOM CASEWORK TO BE SOLID WOOD; COUNTERTOPS TO BE EPOXY. ALL CASEWORK AND LABORATORY FURNITURE IN SCIENCE LABORATORY AND

19. COORDINATE PLUMBING AND/OR ELECTRICAL REQUIREMENTS FOR APPLIANCES AND EQUIPMENT WITH CASEWORK.

20. COORDINATE DIMENSIONS AND CLEARANCE REQUIREMENTS FOR ALL FILE CABINETS, APPLIANCES AND EQUIPMENT PROVIDED BY CONTRACTOR AND/OR OWNER.

OCCUR, UNLESS NOTED OTHERWISE. 22. ALL BASE, UPPER, AND TALL CABINETS ARE TO BE LOCKABLE. LOCKS TO BE KEYED

ALIKE IN SAME ROOM; LOCKS TO BE KEYED DIFFERENT BETWEEN ROOMS.

REQUIREMENT WITH ARCHITECT. 4. PROVIDE COUNTERTOP SUPPORT BRACKETS AT 36" O.C. MAX. AT KNEE SPACES AND

LAVATORY COUNTERS, UNLESS NOTED OTHERWISE.

CORNERS. EXPOSED CORNERS AT QUARTZ/SOLID SURFACE COUNTERTOPS TO HAVE

28. CLOSE TOP AND BOTTOM VOIDS BETWEEN CORNER CABINETS AND FILLER PANELS WHERE BLIND CORNERS ARE NOT USED

29. SPLICES ARE NOT PERMITTED ON CONTERTOP LAMINATE MATERIAL LESS THAN 144"

30. ENSURE FILE DRAWERS ACCOMMODATE 8 1/2"X11" PENDAFLEX HANGING FILES WITH TABS FRONT TO REAR, TYP.

INTERIOR ELEVATION LEGEND

SYMBOL	DESCRIPTION
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H3 SIM A-301	SECTION TAG REFER TO SECTION AS INDICATED
H3 A-301	ELEVATION TAG REFER TO ELEVATION AS INDICATED
(88)	REFERENCED NOTE TAG REFER TO REFERENCED NOTE ON THIS SHEET AS INDICATED
	WOOD GRAIN DIRECTION INDICATOR
RWB-1	WALL BASE FINISH TAG, REFER TO FINISH SCHEDULE
GLZ-1	WALL FINISH TAG, REFER TO FINISH SCHEDULE
//	GLASS INDICATOR
P.O.O.	POINT OF ORIGIN

KEYED NOTES

FURNITURE PROJECTION

NUMBER DESCRIPTION

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Houston, TX 77098

HarrisonKornberg

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LANDSCAPE/IRRIGATION

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REVISION HISTORY

1 ADDENDUM 02 REVISION DESCRIPTION PROFESSIONAL SEALS



12/20/2024

CLIENT



2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway

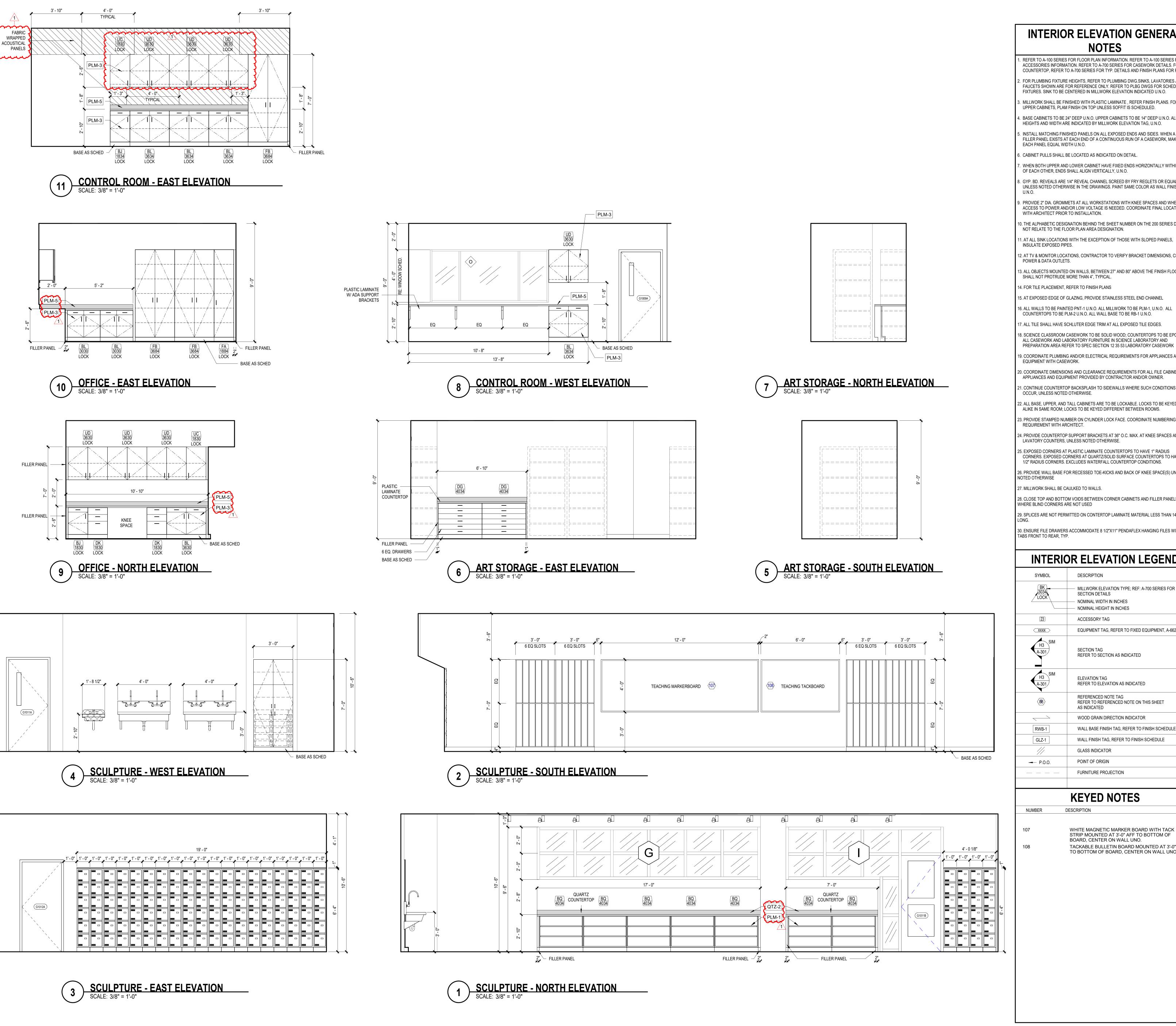
Houston, TX 77041

33AC23221 **CHECKED BY**

ORIGINAL ISSUE ISSUE FOR PROPOSALS DECEMBER 09, 2024

ARCHITECTURAL - INTERIOR **ELEVATIONS**

SHEET NUMBER



1. REFER TO A-100 SERIES FOR FLOOR PLAN INFORMATION. REFER TO A-100 SERIES FOR ACCESSORIES INFORMATION. REFER TO A-700 SERIES FOR CASEWORK DETAILS. FOR COUNTERTOP, REFER TO A-700 SERIES FOR TYP. DETAILS AND FINISH PLANS FOR FINISH. FOR PLUMBING FIXTURE HEIGHTS, REFER TO PLUMBING DWG.SINKS, LAVATORIES AND FAUCETS SHOWN ARE FOR REFERENCE ONLY. REFER TO PLBG DWGS FOR SCHED.

FIXTURES. SINK TO BE CENTERED IN MILLWORK ELEVATION INDICATED U.N.O. MILLWORK SHALL BE FINISHED WITH PLASTIC LAMINATE, REFER FINISH PLANS. FOR UPPER CABINETS, PLAM FINISH ON TOP UNLESS SOFFIT IS SCHEDULED.

BASE CABINETS TO BE 24" DEEP U.N.O. UPPER CABINETS TO BE 14" DEEP U.N.O. ALL UNIT HEIGHTS AND WIDTH ARE INDICATED BY MILLWORK ELEVATION TAG, U.N.O.

. INSTALL MATCHING FINISHED PANELS ON ALL EXPOSED ENDS AND SIDES. WHEN A FILLER PANEL EXISTS AT EACH END OF A CONTINUOUS RUN OF A CASEWORK, MAKE EACH PANEL EQUAL WIDTH U.N.O.

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WHEN BOTH UPPER AND LOWER CABINET HAVE FIXED ENDS HORIZONTALLY WITHIN 3" OF EACH OTHER, ENDS SHALL ALIGN VERTICALLY, U.N.O.

8. GYP. BD. REVEALS ARE 1/4" REVEAL CHANNEL SCREED BY FRY REGLETS OR EQUAL, UNLESS NOTED OTHERWISE IN THE DRAWINGS. PAINT SAME COLOR AS WALL FINISH

9. PROVIDE 2" DIA. GROMMETS AT ALL WORKSTATIONS WITH KNEE SPACES AND WHERE ACCESS TO POWER AND/OR LOW VOLTAGE IS NEEDED. COORDINATE FINAL LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

10. THE ALPHABETIC DESIGNATION BEHIND THE SHEET NUMBER ON THE 200 SERIES DOES NOT RELATE TO THE FLOOR PLAN AREA DESIGNATION.

INSULATE EXPOSED PIPES.

12. AT TV & MONITOR LOCATIONS, CONTRACTOR TO VERIFY BRACKET DIMENSIONS, CLEAR POWER & DATA OUTLETS.

13. ALL OBJECTS MOUNTED ON WALLS, BETWEEN 27" AND 80" ABOVE THE FINISH FLOOR, SHALL NOT PROTRUDE MORE THAN 4", TYPICAL.

14. FOR TILE PLACEMENT, REFER TO FINISH PLANS

15. AT EXPOSED EDGE OF GLAZING, PROVIDE STAINLESS STEEL END CHANNEL 16. ALL WALLS TO BE PAINTED PNT-1 U.N.O. ALL MILLWORK TO BE PLM-1, U.N.O. ALL

17. ALL TILE SHALL HAVE SCHLUTER EDGE TRIM AT ALL EXPOSED TILE EDGES. 18. SCIENCE CLASSROOM CASEWORK TO BE SOLID WOOD; COUNTERTOPS TO BE EPOXY.

19. COORDINATE PLUMBING AND/OR ELECTRICAL REQUIREMENTS FOR APPLIANCES AND EQUIPMENT WITH CASEWORK.

20. COORDINATE DIMENSIONS AND CLEARANCE REQUIREMENTS FOR ALL FILE CABINETS, APPLIANCES AND EQUIPMENT PROVIDED BY CONTRACTOR AND/OR OWNER.

21. CONTINUE COUNTERTOP BACKSPLASH TO SIDEWALLS WHERE SUCH CONDITIONS OCCUR, UNLESS NOTED OTHERWISE.

22. ALL BASE, UPPER, AND TALL CABINETS ARE TO BE LOCKABLE. LOCKS TO BE KEYED ALIKE IN SAME ROOM; LOCKS TO BE KEYED DIFFERENT BETWEEN ROOMS.

23. PROVIDE STAMPED NUMBER ON CYLINDER LOCK FACE. COORDINATE NUMBERING REQUIREMENT WITH ARCHITECT.

24. PROVIDE COUNTERTOP SUPPORT BRACKETS AT 36" O.C. MAX. AT KNEE SPACES AND LAVATORY COUNTERS, UNLESS NOTED OTHERWISE.

25. EXPOSED CORNERS AT PLASTIC LAMINATE COUNTERTOPS TO HAVE 1" RADIUS CORNERS, EXPOSED CORNERS AT QUARTZ/SOLID SURFACE COUNTERTOPS TO HAVE

27. MILLWORK SHALL BE CAULKED TO WALLS.

28. CLOSE TOP AND BOTTOM VOIDS BETWEEN CORNER CABINETS AND FILLER PANELS WHERE BLIND CORNERS ARE NOT USED

29. SPLICES ARE NOT PERMITTED ON CONTERTOP LAMINATE MATERIAL LESS THAN 144"

30. ENSURE FILE DRAWERS ACCOMMODATE 8 1/2"X11" PENDAFLEX HANGING FILES WITH TABS FRONT TO REAR, TYP.

INTERIOR ELEVATION LEGEND

	IN LELVATION LEGEND
SYMBOL	DESCRIPTION
3034 LOCK	MILLWORK ELEVATION TYPE; REF: A-700 SERIES FOR SECTION DETAILS NOMINAL WIDTH IN INCHES NOMINAL HEIGHT IN INCHES
23	ACCESSORY TAG
< <u>XXXX</u> >	EQUIPMENT TAG, REFER TO FIXED EQUIPMENT, A-662
H3 SIM A-301	SECTION TAG REFER TO SECTION AS INDICATED
H3 A-301	ELEVATION TAG REFER TO ELEVATION AS INDICATED
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	WOOD GRAIN DIRECTION INDICATOR
RWB-1	WALL BASE FINISH TAG, REFER TO FINISH SCHEDULE
GLZ-1	WALL FINISH TAG, REFER TO FINISH SCHEDULE
///	GLASS INDICATOR
P.O.O.	POINT OF ORIGIN
	FURNITURE PROJECTION

KEYED NOTES

NUMBER DESCRIPTION

WHITE MAGNETIC MARKER BOARD WITH TACK STRIP MOUNTED AT 3'-0" AFF TO BOTTOM OF BOARD, CENTER ON WALL UNO.

TACKABLE BULLETIN BOARD MOUNTED AT 3'-0" AFF TO BOTTOM OF BOARD, CENTER ON WALL UNO.

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281.664.1900

REVISION HISTORY

12/20/2024 1 ADDENDUM 02 REVISION DESCRIPTION PROFESSIONAL SEALS





2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway

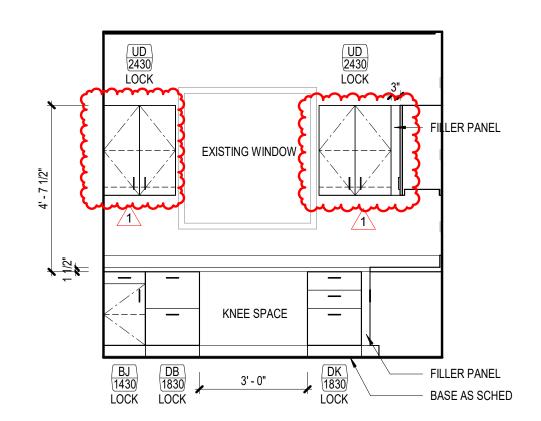
Houston, TX 77041 33AC23221

CHECKED BY ORIGINAL ISSUE ISSUE FOR PROPOSALS

DECEMBER 09, 2024

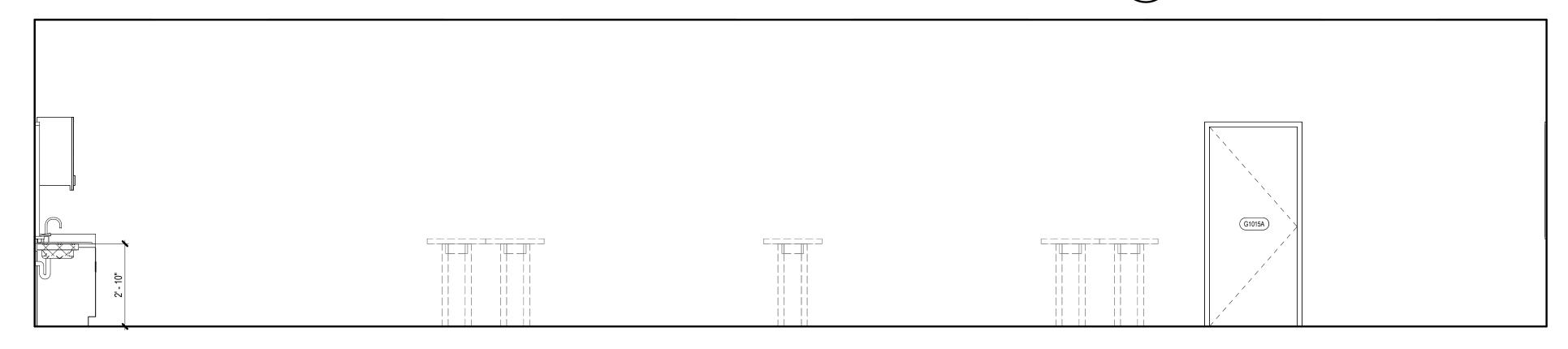
ARCHITECTURAL - INTERIOR **ELEVATIONS**

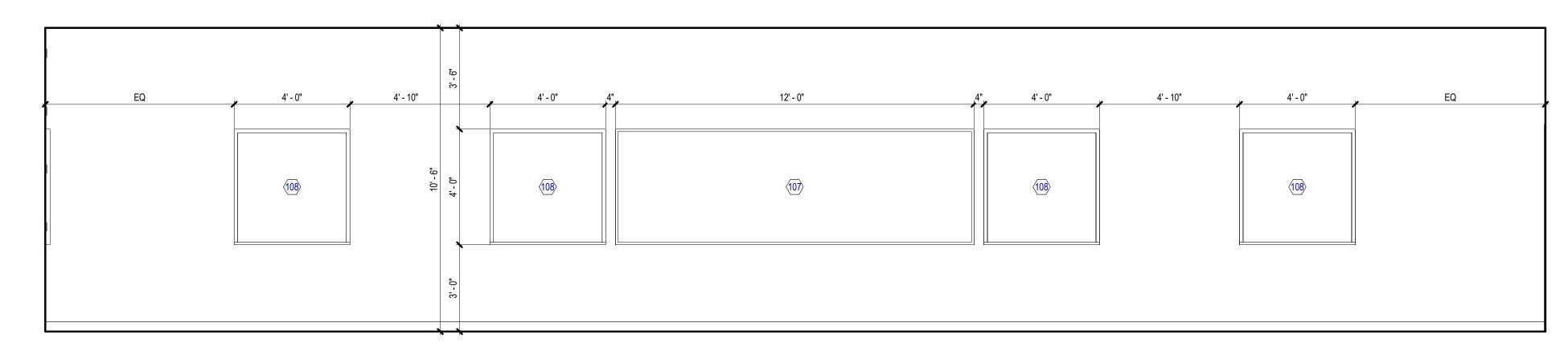
SHEET NUMBER A-221



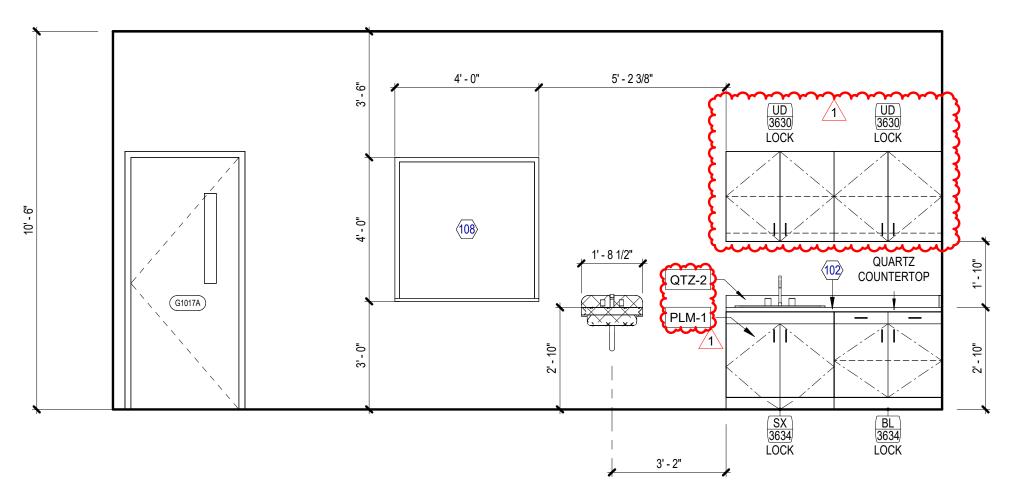
C113 CHOIR OFFICE WEST ELEVATION

SCALE: 3/8" = 1'-0"

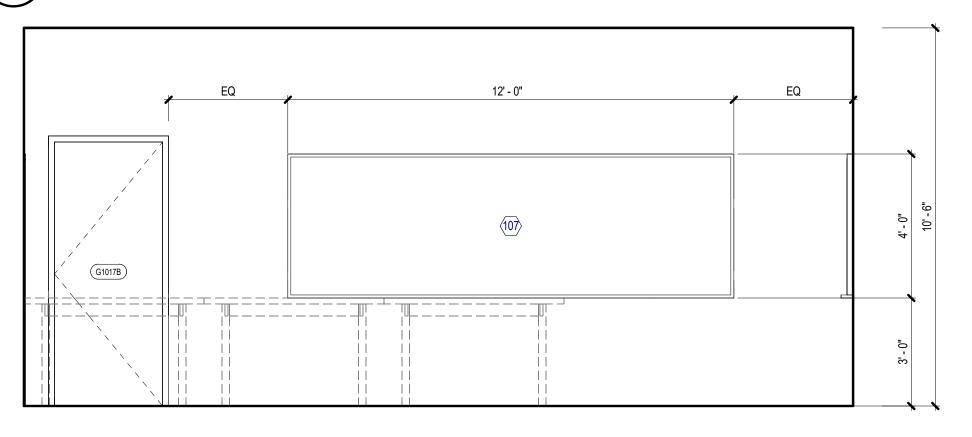




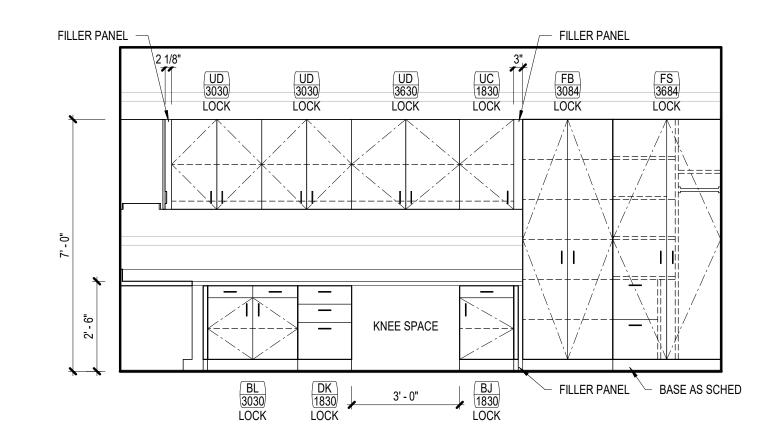
7 DIGITAL ART - SOUTH ELEVATION
SCALE: 3/8" = 1'-0"



6 DIGITAL ART - WEST ELEVATION
SCALE: 3/8" = 1'-0"

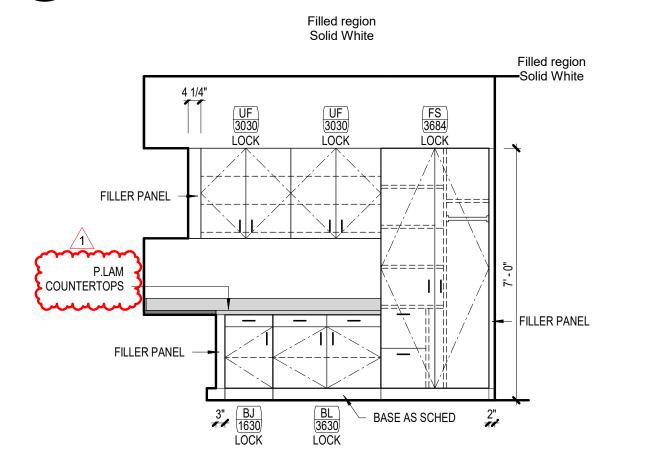


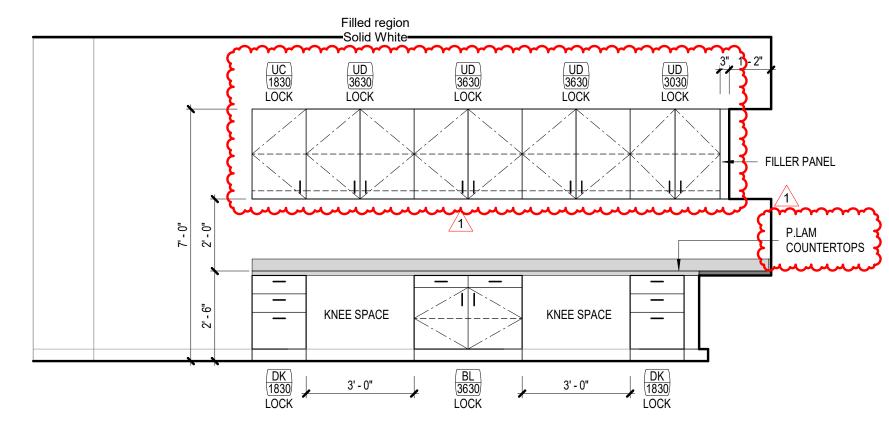
5 DIGITAL ART - EAST ELEVATION
SCALE: 3/8" = 1'-0"



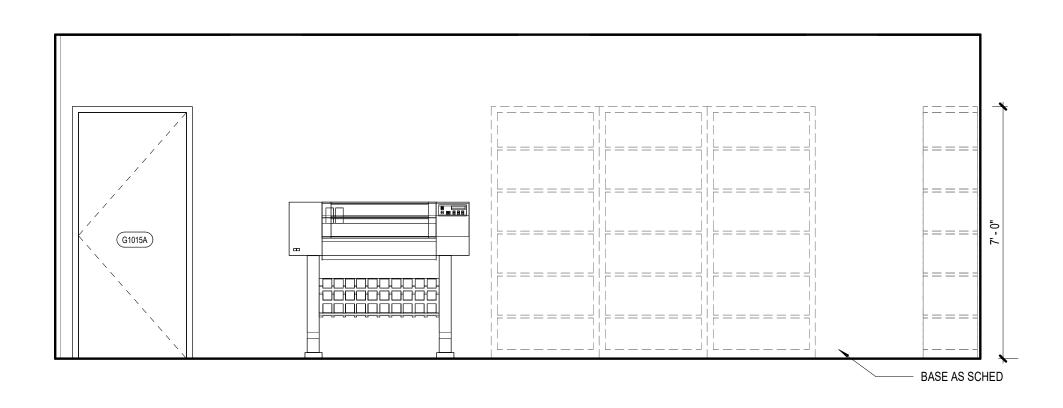
C113 CHOIR OFFICE NORTH ELEVATION

SCALE: 3/8" = 1'-0"

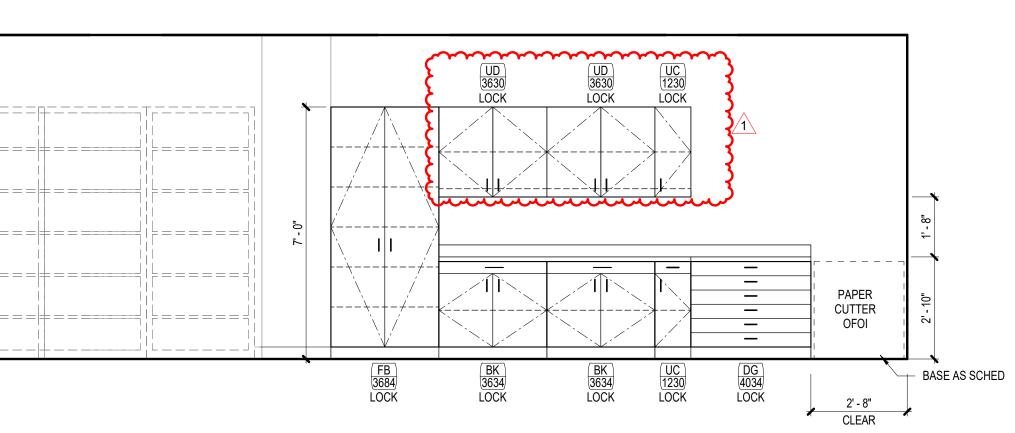




3 ART OFFICE - NORTH ELEVATION
SCALE: 3/8" = 1'-0"



2 WORK ROOM - SOUTH ELEVATION
SCALE: 3/8" = 1'-0"



WORK ROOM - NORTH ELEVATION

SCALE: 3/8" = 1'-0"

INTERIOR ELEVATION GENERAL **NOTES**

. REFER TO A-100 SERIES FOR FLOOR PLAN INFORMATION. REFER TO A-100 SERIES FOR ACCESSORIES INFORMATION. REFER TO A-700 SERIES FOR CASEWORK DETAILS. FOR COUNTERTOP, REFER TO A-700 SERIES FOR TYP. DETAILS AND FINISH PLANS FOR FINISH. FOR PLUMBING FIXTURE HEIGHTS, REFER TO PLUMBING DWG.SINKS, LAVATORIES AND FAUCETS SHOWN ARE FOR REFERENCE ONLY. REFER TO PLBG DWGS FOR SCHED. FIXTURES. SINK TO BE CENTERED IN MILLWORK ELEVATION INDICATED U.N.O.

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BASE CABINETS TO BE 24" DEEP U.N.O. UPPER CABINETS TO BE 14" DEEP U.N.O. ALL UNIT HEIGHTS AND WIDTH ARE INDICATED BY MILLWORK ELEVATION TAG, U.N.O.

INSTALL MATCHING FINISHED PANELS ON ALL EXPOSED ENDS AND SIDES. WHEN A FILLER PANEL EXISTS AT EACH END OF A CONTINUOUS RUN OF A CASEWORK, MAKE EACH PANEL EQUAL WIDTH U.N.O.

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INTERIOR ELEVATION LEGEND

SYMBOL	DESCRIPTION
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\(\text{88} \rangle	REFERENCED NOTE TAG REFER TO REFERENCED NOTE ON THIS SHEET AS INDICATED
	WOOD GRAIN DIRECTION INDICATOR
RWB-1	WALL BASE FINISH TAG, REFER TO FINISH SCHEDULE
GLZ-1	WALL FINISH TAG, REFER TO FINISH SCHEDULE
//	GLASS INDICATOR
→ P.0.0.	POINT OF ORIGIN
	FURNITURE PROJECTION

KEYED NOTES

NUMBER DESCRIPTION

NEW QUARTZ COUNTERTOP. REFERENCE FINISH SCHEDULE AND ELEVATIONS WHITE MAGNETIC MARKER BOARD WITH TACK STRIP MOUNTED AT 3'-0" AFF TO BOTTOM OF BOARD, CENTER ON WALL UNO. TACKABLE BULLETIN BOARD MOUNTED AT 3'-0" AFF TO BOTTOM OF BOARD, CENTER ON WALL UNO.

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12/20/2024 1 ADDENDUM 02 REVISION DESCRIPTION





2024 CY RIDGE HS RENOVATION

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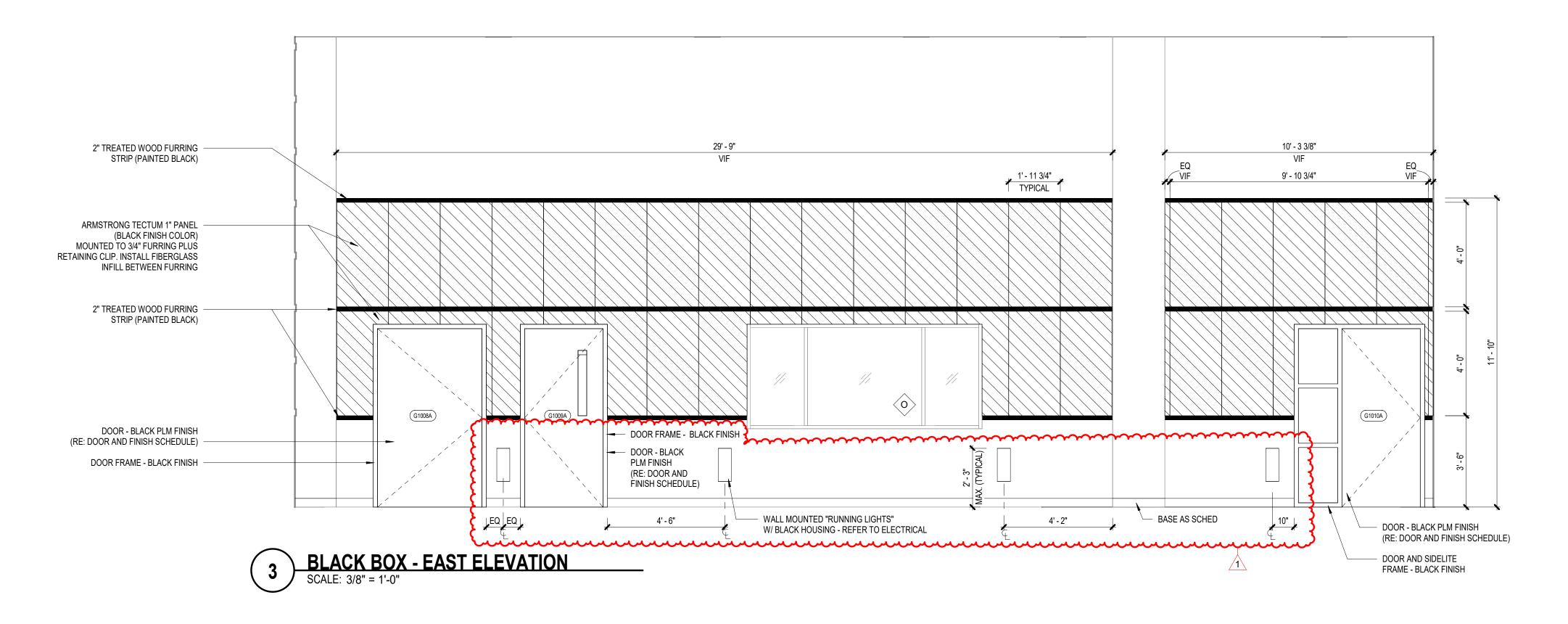
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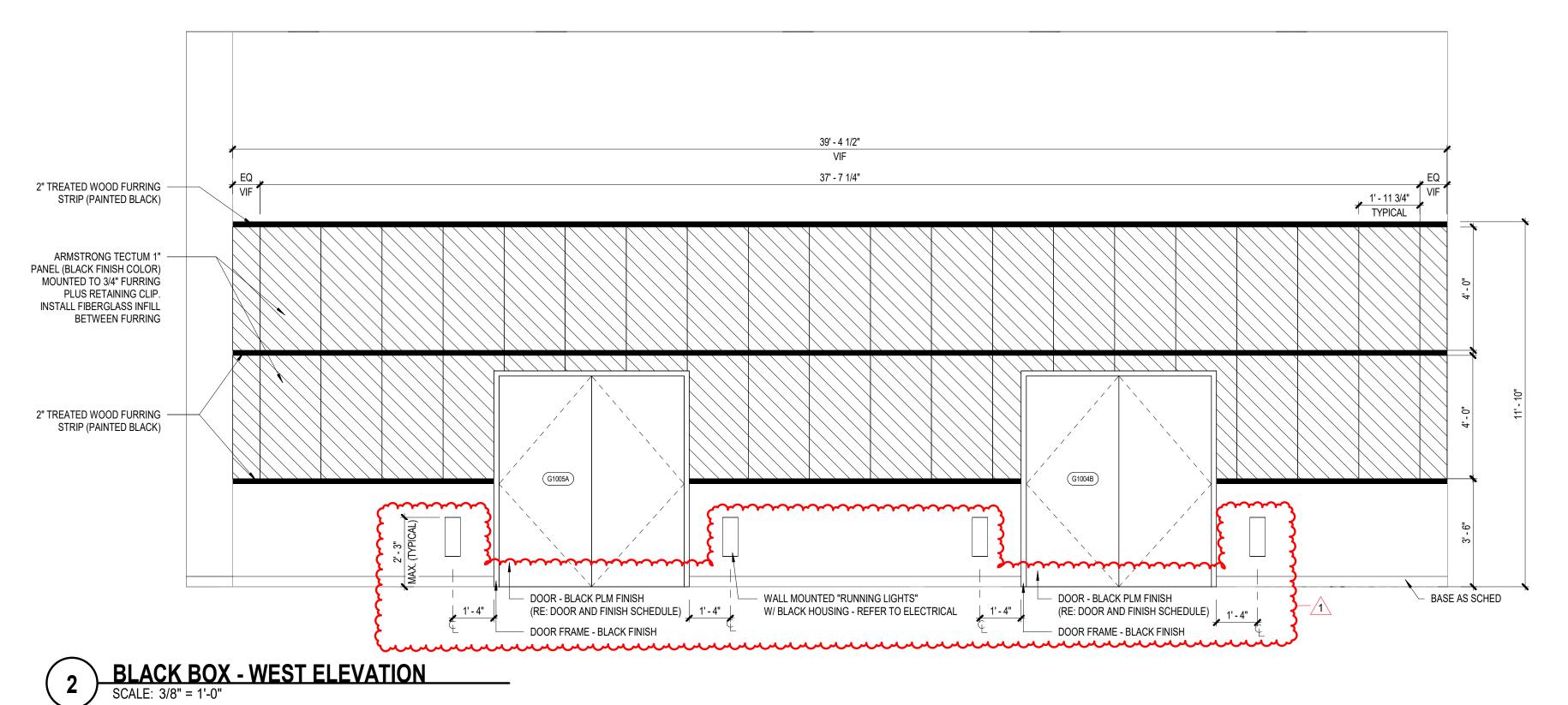
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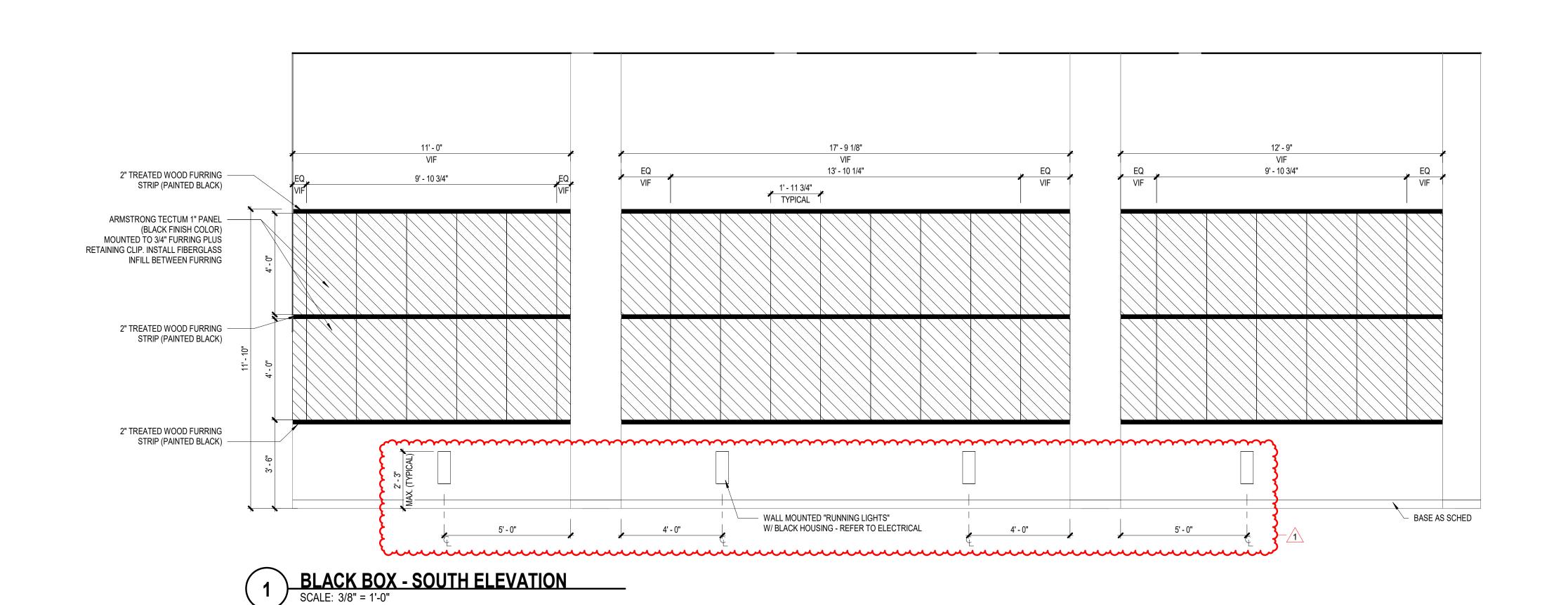
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ARCHITECTURAL - INTERIOR **ELEVATIONS**

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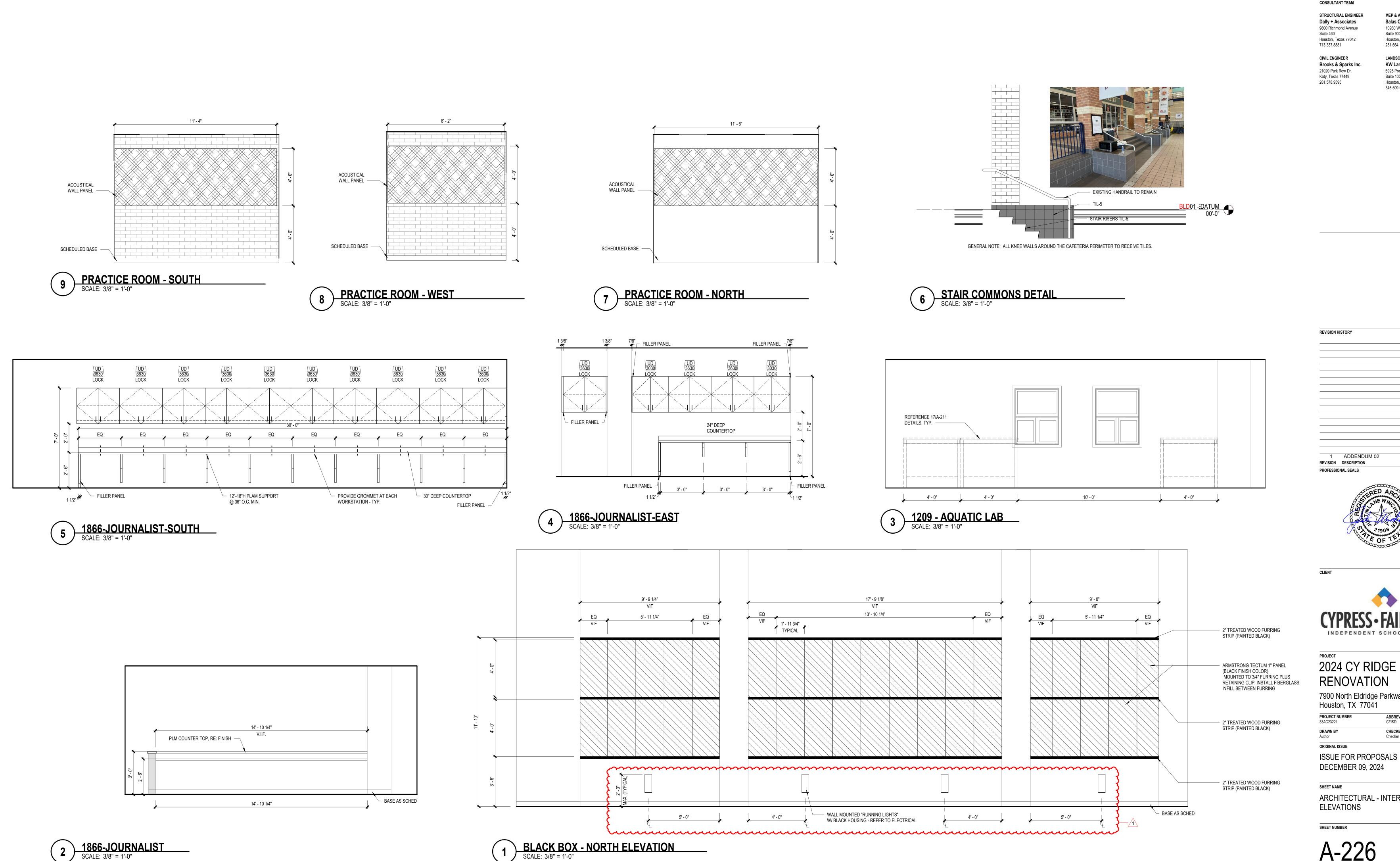
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ARCHITECTURAL - INTERIOR ELEVATIONS

SHEET NUMBER

A-225

FILE PATH: Autodesk Docs://33AC23221-CFISD - Cy Ridge HS Renovation/3 USER NAME:



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REVISION HISTORY

1 ADDENDUM 02 12/20/2024 DATE

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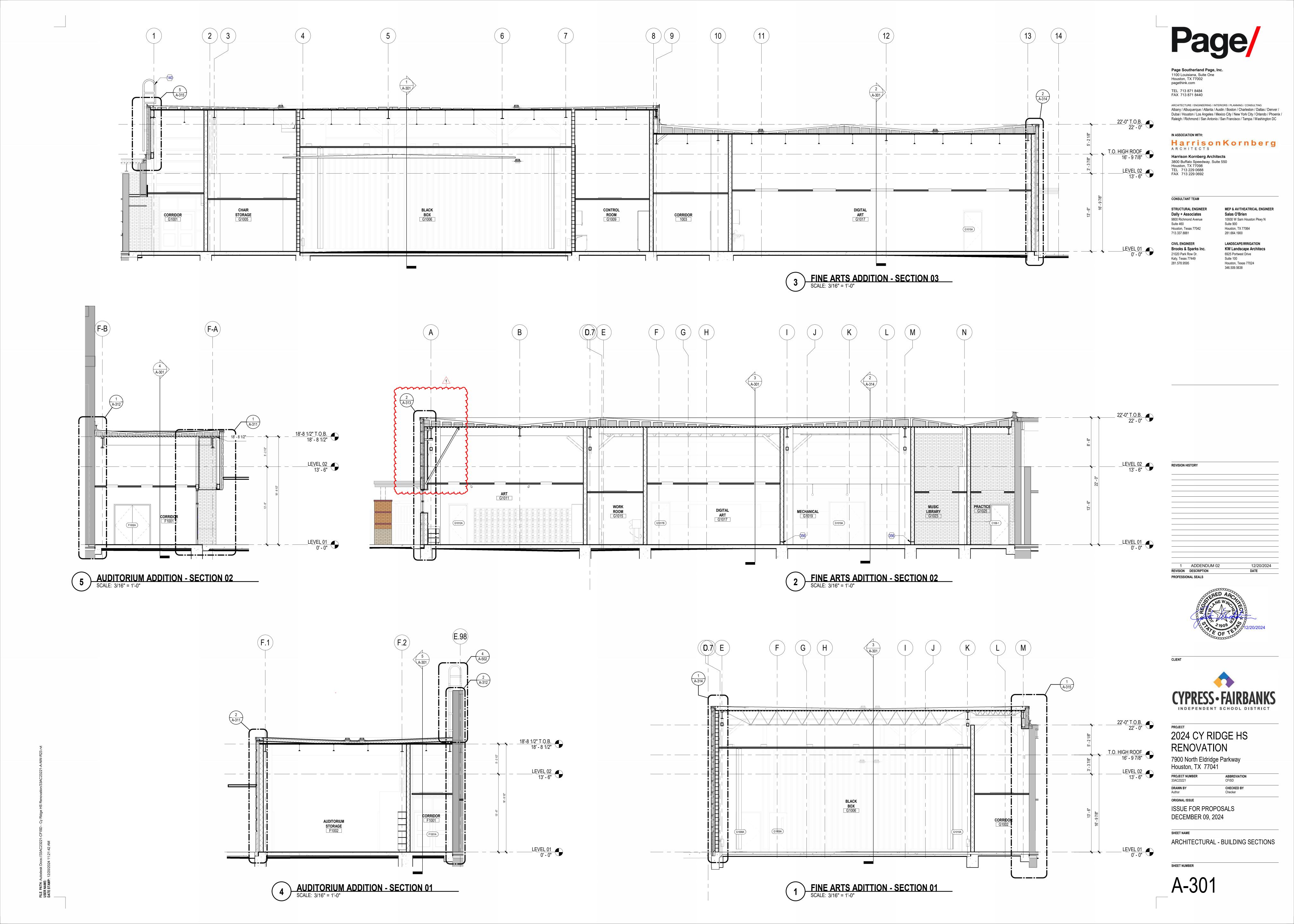
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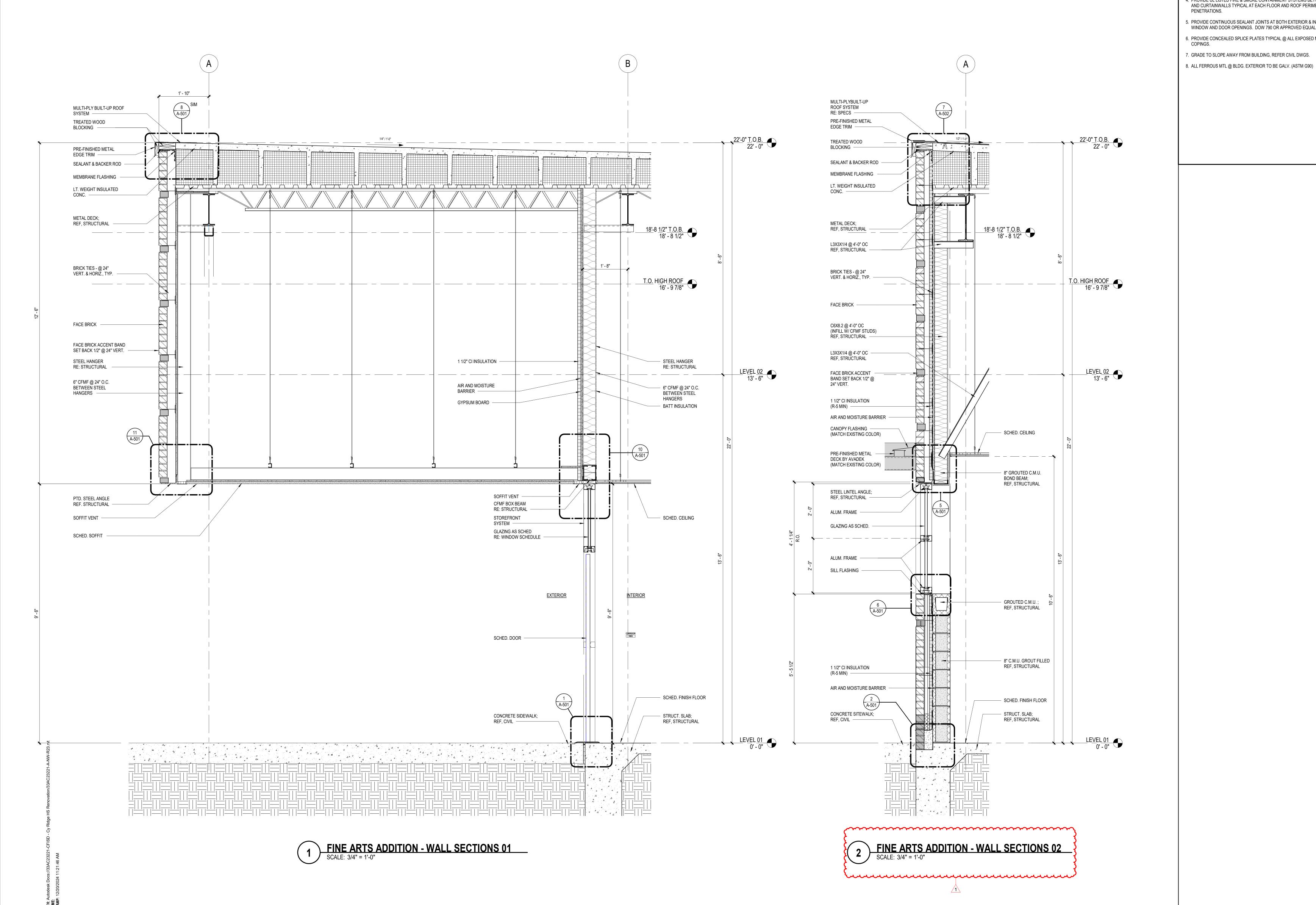
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SHEET NAME ARCHITECTURAL - INTERIOR **ELEVATIONS**

SHEET NUMBER





WALL SECTION NOTES

1. COLD FORMED METAL FRAMING AT EXTERIOR MAX. SPACING SHALL BE 16" O.C. MINIMUM STUD DEPTH SHALL BE 6" AND MINIMUM THICKNESS SHALL BE 0.0598". PROVIDE LATERAL BRACING @ MAX 4' O.C. REFER TO SECTION 05400 - COLD FORMED METAL FRAMING OF THE PROJECT MANUAL FOR DESIGN AND PERFORMANCE REQUIREMENTS.

- 2. GYPSUM BOARD ASSEMBLIES AT PERIMETER WALLS PROVIDE 6" DEEP METAL STUDS AT MAX. 16" O.C. SPACING W/ CONTINUOUS WIRE MESH @ OUTSIDE FACE. PROVIDE GAGE AS REQUIRED BY DESIGN AND PERFORMANCE CRITERIA INDICATED. REFER TO SECTION 09260 - GYPSUM BOARD ASSEMBLIES OF THE PROJECT MANUAL.
- 3. PROVIDE CONTINUOUS SILL PANS WITH FACTORY FABRICATED END DAMS AT SILLS OF ALL ALUMINUM GLAZING SYSTEMS.
- 4. PROVIDE UL LISTED FIRE & SMOKE CONTAINMENT SYSTEMS BETWEEN STRUCTURE AND CURTAINWALLS TYPICAL AT EACH FLOOR AND ROOF PERIMETER. FIRE STOP ALL PENETRATIONS.
- 5. PROVIDE CONTINUOUS SEALANT JOINTS AT BOTH EXTERIOR & INTERIOR FACES OF WINDOW AND DOOR OPENINGS. DOW 790 OR APPROVED EQUAL.
- 6. PROVIDE CONCEALED SPLICE PLATES TYPICAL @ ALL EXPOSED METAL FLASHINGS &
- 7. GRADE TO SLOPE AWAY FROM BUILDING, REFER CIVIL DWGS.

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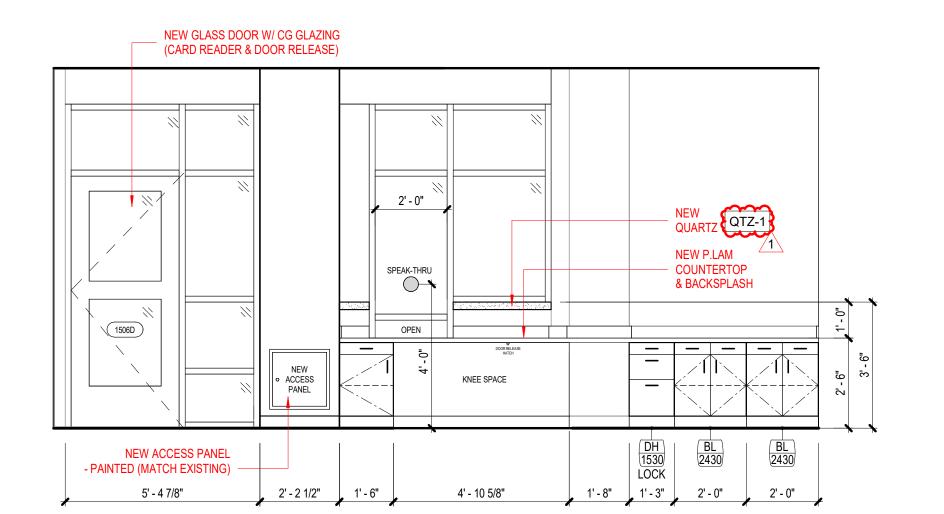
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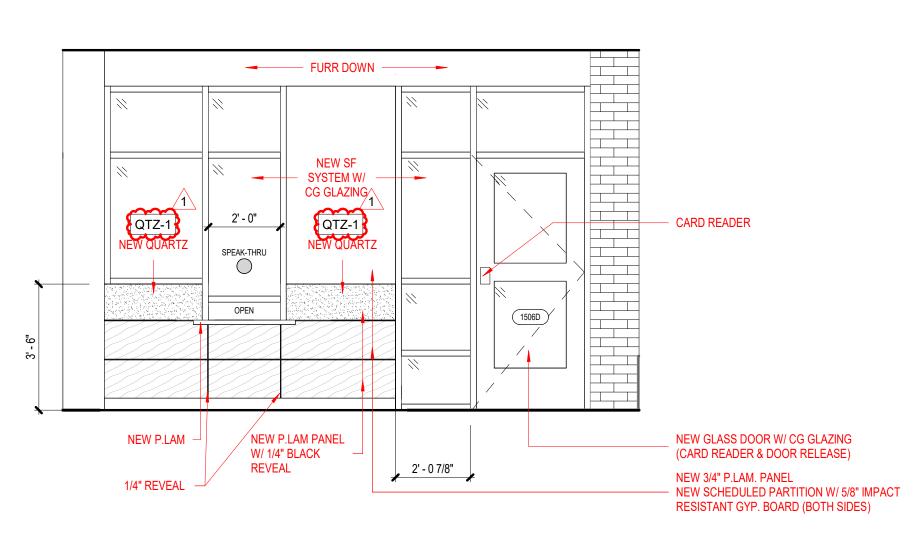
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ARCHITECTURAL - WALL SECTIONS

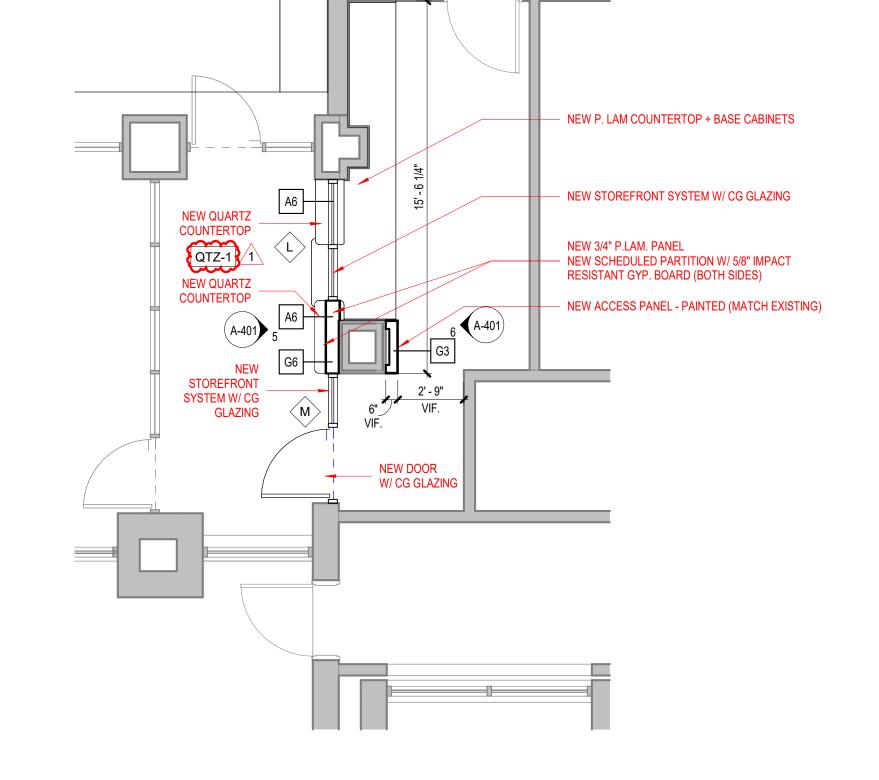
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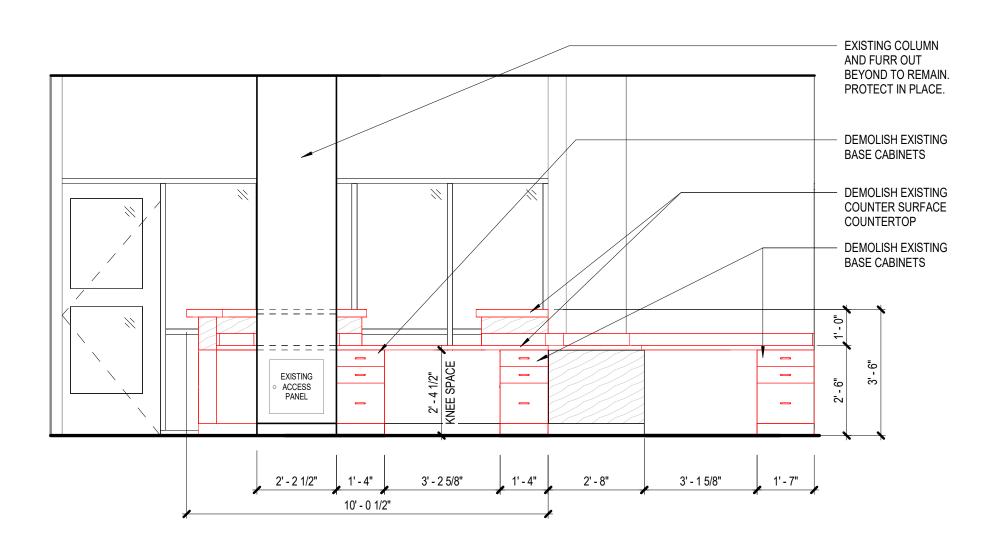
SCALE: 3/8" = 1'-0"



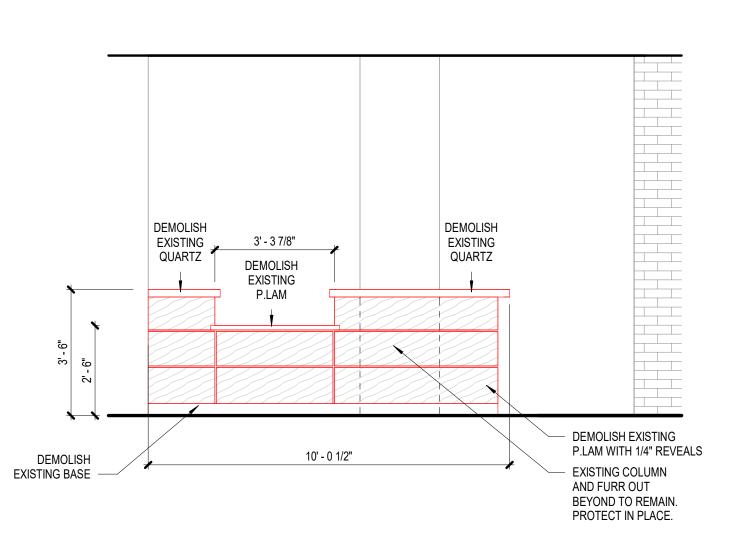
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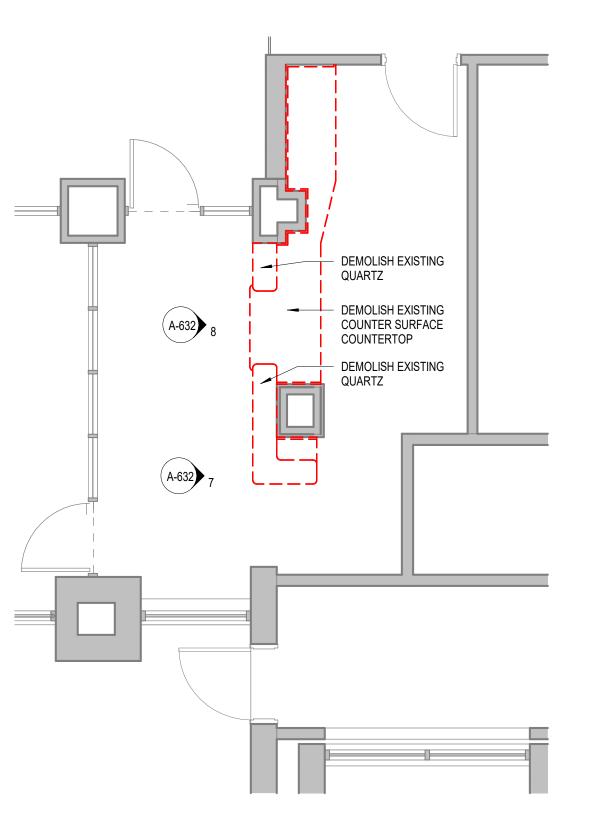
SCALE: 1/4" = 1'-0"



SCALE: 3/8" = 1'-0"



SCALE: 3/8" = 1'-0"



S62 - RECEPTION ENLARGED PLAN - DEMOLITION (WHOLE)

SCALE: 1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. ALL UNMARKED PARTITIONS ARE TYPE M8. ALL COLUMN FURRING TO BE PARTITION TYPE M6, UNLESS NOTED OTHERWISE.

ACCESSORIES.

2. ALL WINDOW & DOOR PLAN OPENINGS ARE DIMENSIONED ON AREA PLANS.

3. FOR FIRE AND LIFE SAFETY PLANS, REFER TO GL DRAWINGS.

4. ROOF PLAN SHOWN FOR REFERENCE ONLY. REFER TO ROOF PLAN FOR NOTES AND DIMENSIONS.

5. REFER TO A200 SERIES DRAWINGS: EXTERIOR ELEVATIONS, A300 SERIES DRAWINGS: BUILDING AND WALL SECTIONS.

6. REFER TO A600 SERIES FOR ALL PARTITIONS, DOORS, WINDOWS, AND

7. INSTALL APPROPRIATE MANUFACTURED EXPANSION JOINT COVERS AT ALL VISIBLE BUILDING EXPANSION JOINTS. TOP OF COVER OF FLOOR EXPANSION JOINT COVERS TO BE FLUSH WITH TOP OF FINISHED FLOOR.

8. ALL PARTITION DIMENSIONS ARE TAKEN FROM THE CENTERLINE OF COLUMNS AND TO THE DRYWALL FACE.

9. INSTALL BLOCKING AS REQUIRED TO SUPPORT WALL MOUNTED DEVICES. 10. AT ALL SPANDREL GLASS LOCATIONS, FACE OF INTERIOR WALL TO BE CONTINUOUS WITH ADJACENT WALL.

11. REFER TO A-551 FOR INTERIOR PLAN DETAILS.

12. GENERAL DIMENSIONS PROVIDED ON FLOOR PLANS AND AREA PLANS DO NOT REFLECT THE ROUGH OPENING DIMENSIONS REQUIRED FOR COORDINATION WITH MASONRY JOINT COURSING. CONTRACTOR IS TO PROVIDE ROUGH OPENING FRAMING DIMENSIONS CONSISTENT WITH ENLARGED ARCHITECTURAL PLAN/SECTION DETAILS (A5 SERIES SHEETS), AND WINDOW SCHEDULE/DETAILS (A6 SERIES). CONTRACTOR TO SUBMIT RFI FOR ANY ROUGH OPENING DIMENSIONS NOT GIVEN IN DETAILING FOR CLARIFICATION REQUIRED.

13. ALL APPLIANCES AND EXHAUST HOODS TO BE REMOVED AND RELOCATED DURING CONSTRUCTION AND PLACED BACK INTO ITS ROOM AFTER CASEWORK IS

14. REFER TO A-200 SERIES FOR CASEWORK ELEVATIONS.

KEYED NOTES

FLOOR PLAN LEGEND

PARTITION TAG

BUILDING SECTION TAG

EXTERIOR ELEVATION TAG

INTERIOR ELEVATION TAG

PLAN REFERENCE TAG

EXISTING PARTITION

NEW WINDOW

WITH WINDOW MARK

REF DOOR SCHEDULE REF GLAZING ELEVATIONS

1-HOUR FIRE WALL, FIRE BARRIER, OR FIRE PARTITION

COLUMN GRID DESIGNATIONS

ROOM NAME ROOM NAME

NEW PARTITION

REF PARTITION

SCHEDULE

NEW DOOR

WITH DOOR TAG

ROOM NUMBER

WALL SECTION TAG

KEYED NOTE KEYED NOTES ONLY APPLY TO THIS SHEET

REFER TO PARTITION SCHEDULE

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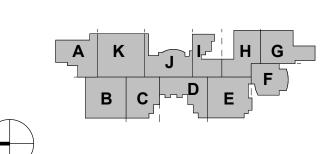
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KEYPLAN



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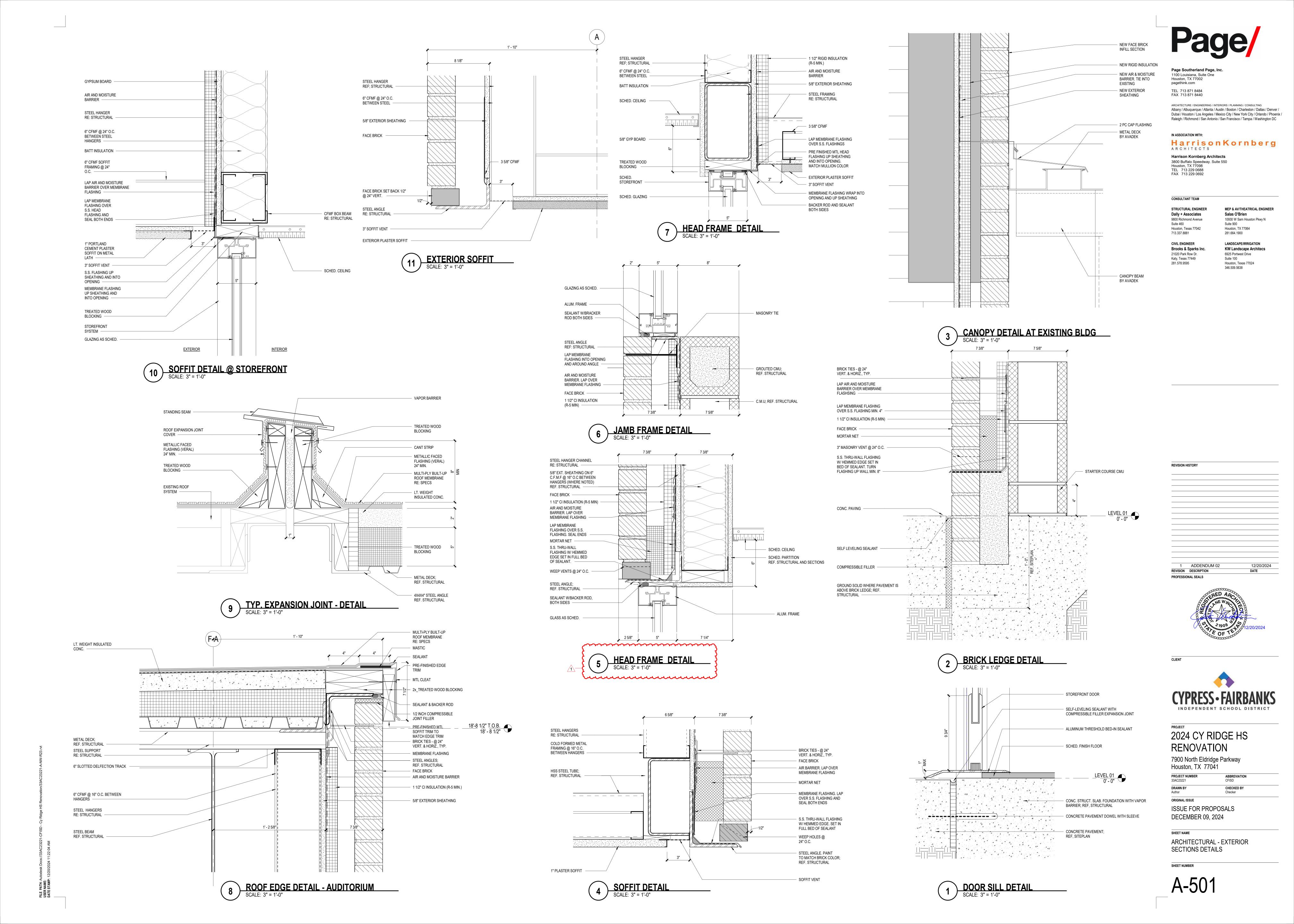
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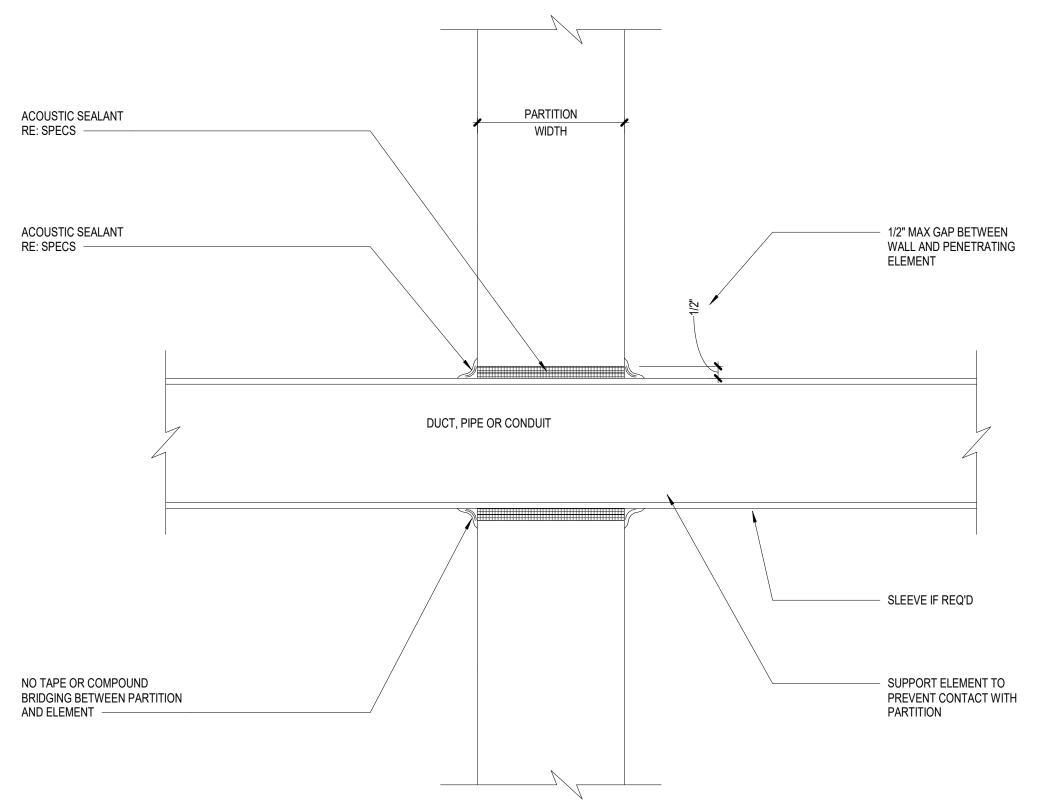
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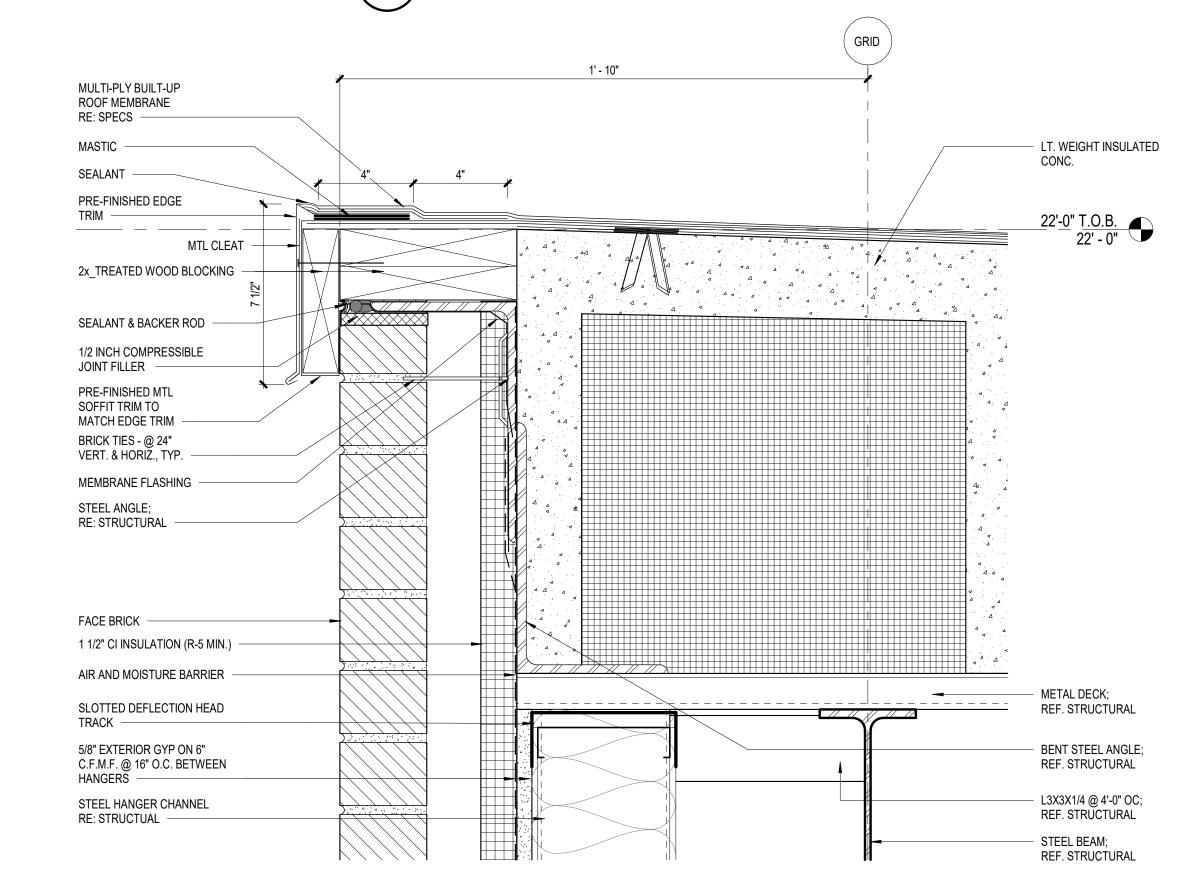
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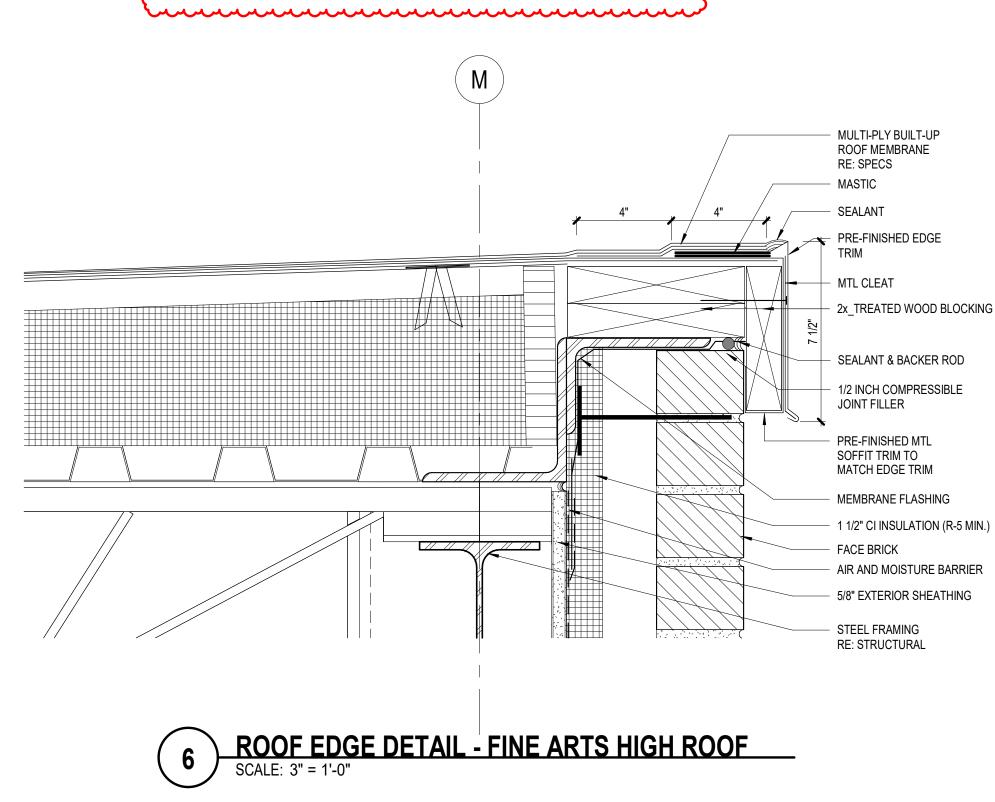
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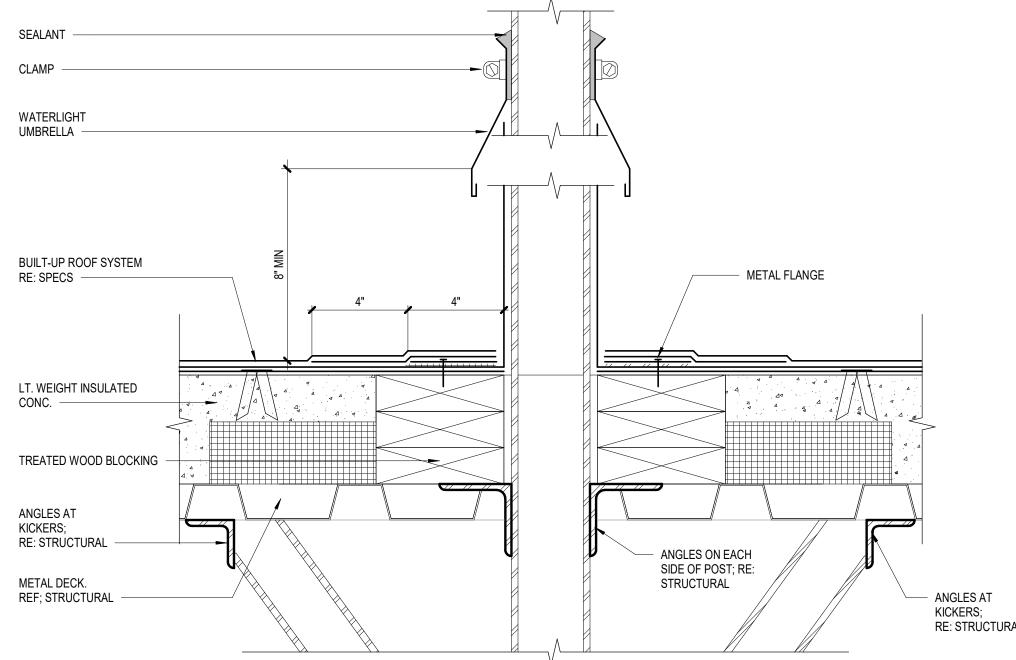


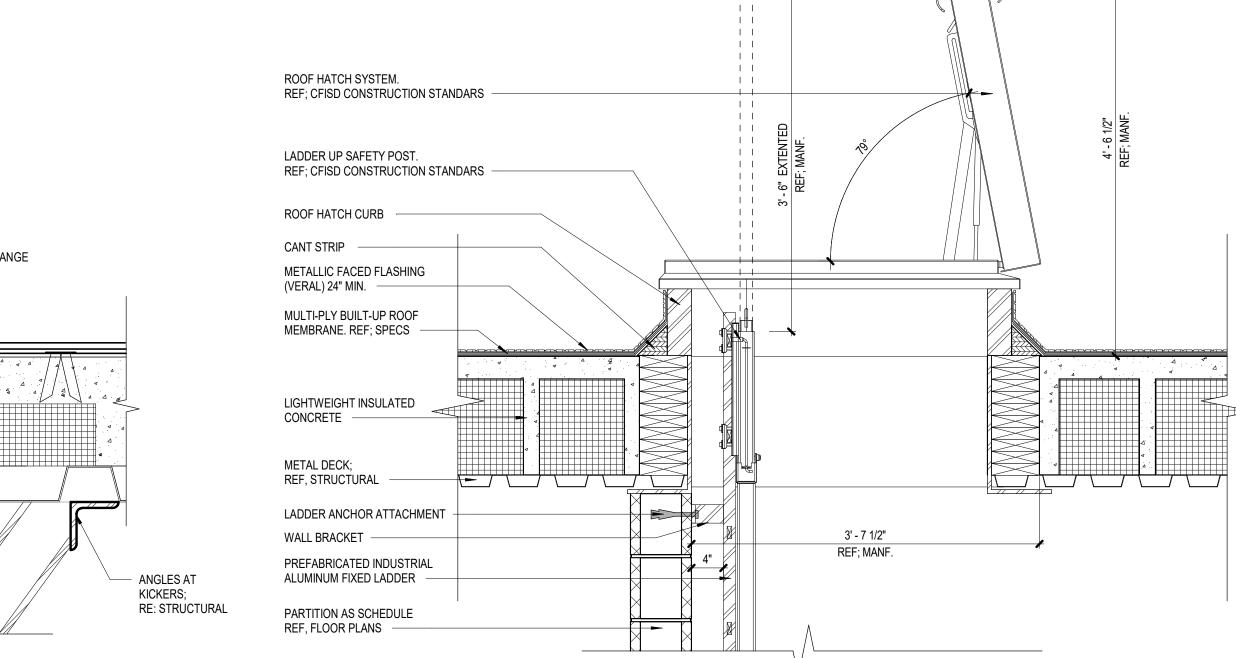


8 PIPE PENETRATION DETAIL @ ACOUSTICAL WALL SCALE: 3" = 1'-0"









PRE-FINISHED METAL COLUMN;

- MATCH EXISTING COLUMN COLOR

REF. STRUCTURAL

BACKER ROD & SEALANT

NEW FACE BRICK 3

ROWLOCK COURSE -(MATCH EXISTING)

NEW FACE BRICK 2 (MATCH EXISTING)

4" CMU BOND BEAM -

FLUID LIQUID APPLIED

BRICK TIES - @ 24" _ VERT. & HORIZ., TYP.

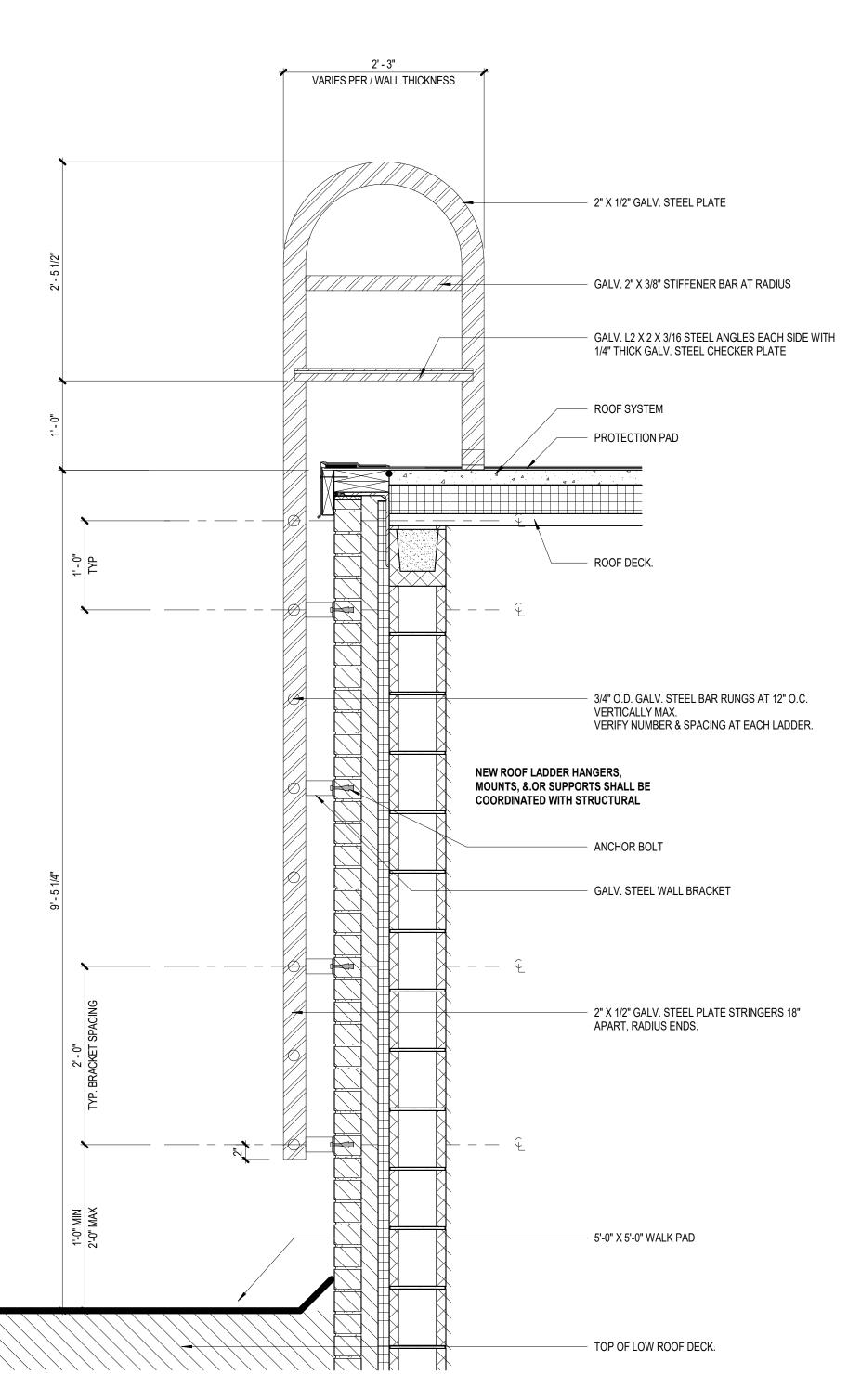
4" GROUT FILLED CMU

AIR BARRIER

METAL PAN

GALVANIZED CORRUGATED





LAP MEMBRANE FLASHING OVER S.S. FLASHING MIN. 4" MORTAR NET S.S. THRU-WALL FLASHING W/ HEMMED EDGE SET IN BED OF SEALANT. TURN FLASHING UP WALL MIN. 8" WEEP HOLE NEW FACE BRICK 1 (MATCH EXISTING) SELF-LEVELING SEALANT WITH COMPRESSIBLE FILLER EXPANSION JOINT

BRICK TIES - @ 24" VERT. & HORIZ., TYP. -

LAP AIR AND MOISTURE BARRIER OVER MEMBRANE FLASHSING

BASE PLATE; REF: STRUCTURUAL GROUT SOLID WHERE PAVEMENT IS

ABOVE BRICK LEDGE UP TO 2 COURSES ABOVE LEVEL 1 NEW COLUMN FOOTING W/
BRICK LEDGE - REF. STRUCTURAL REF. STRUCTURAL

DETAIL AT CANOPY - UPPER BRICK CL WRAP

SCALE: 3" = 1'-0"

DETAIL AT CANOPY - BASE

SCALE: 3" = 1'-0"



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MEMBRANE FLASHING

- 2X TREATED BLOCKING

STEEL SUPPORT ANGLE REF. STRUCTURAL

PRE-FINISHED METAL COLUMN;

- MATCH EXISTING COLUMN COLOR

REF. STRUCTURAL

4" GROUTED CMU

- GROUT SOLID AT ROWLOCK COURSE

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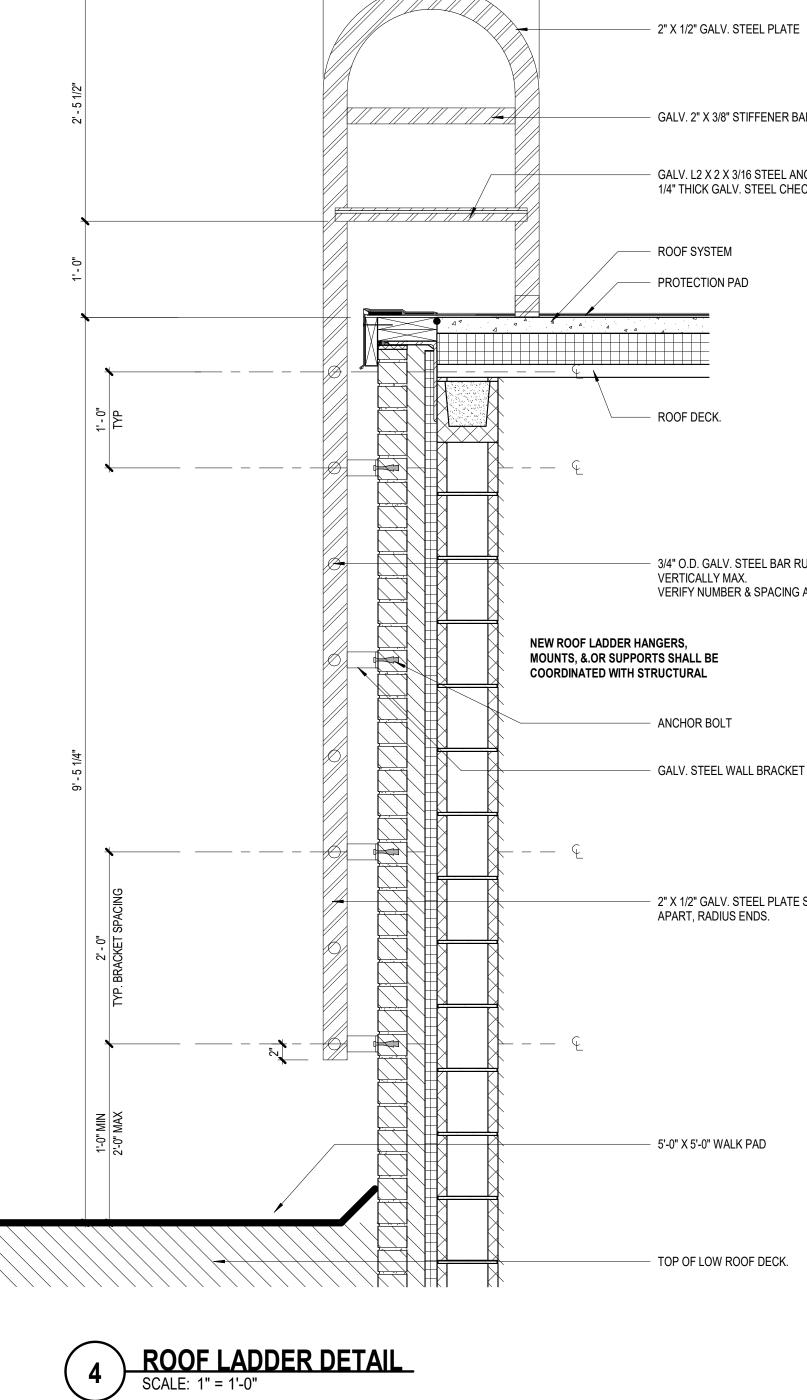
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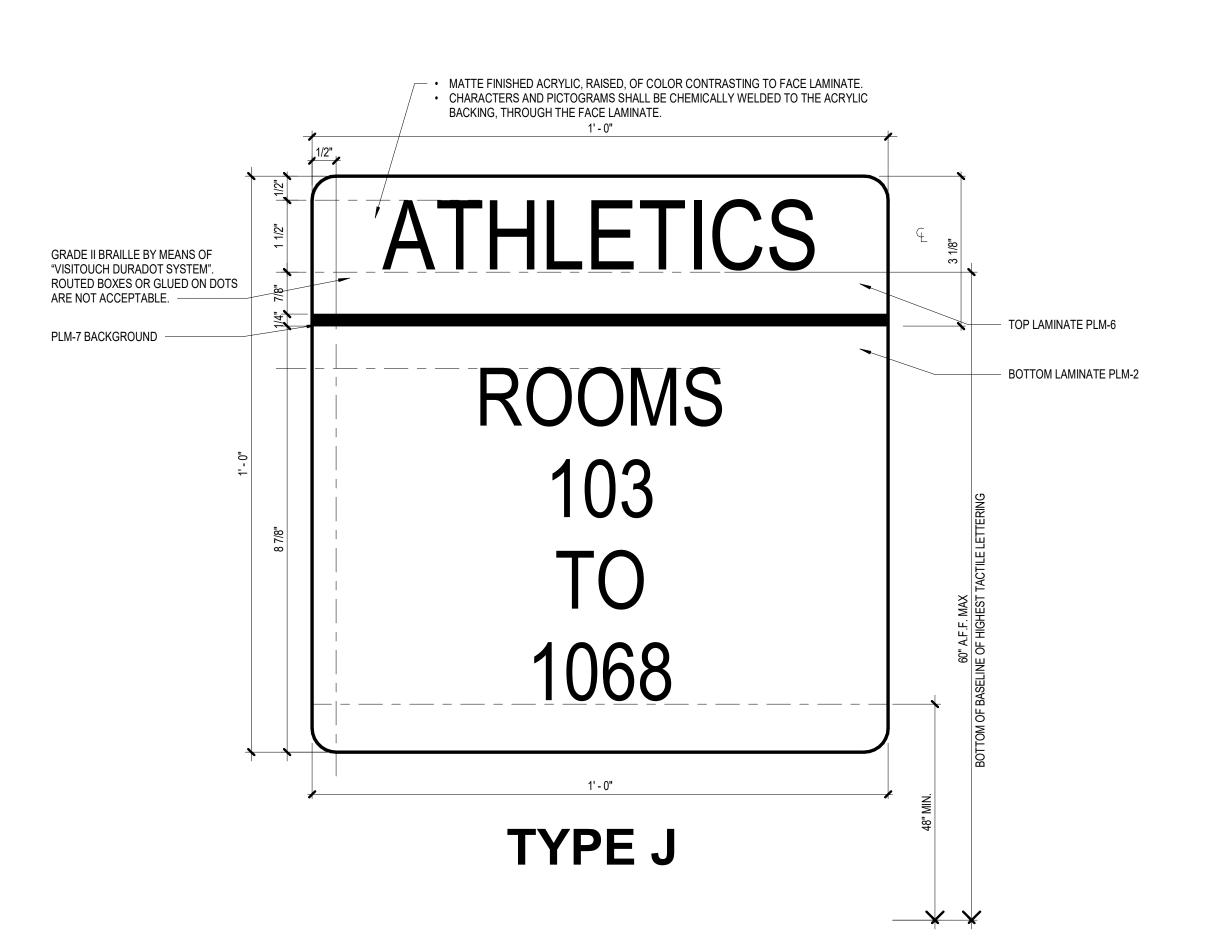
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SHEET NAME ARCHITECTURAL - EXTERIOR SECTIONS AND ROOF DETAILS

SHEET NUMBER

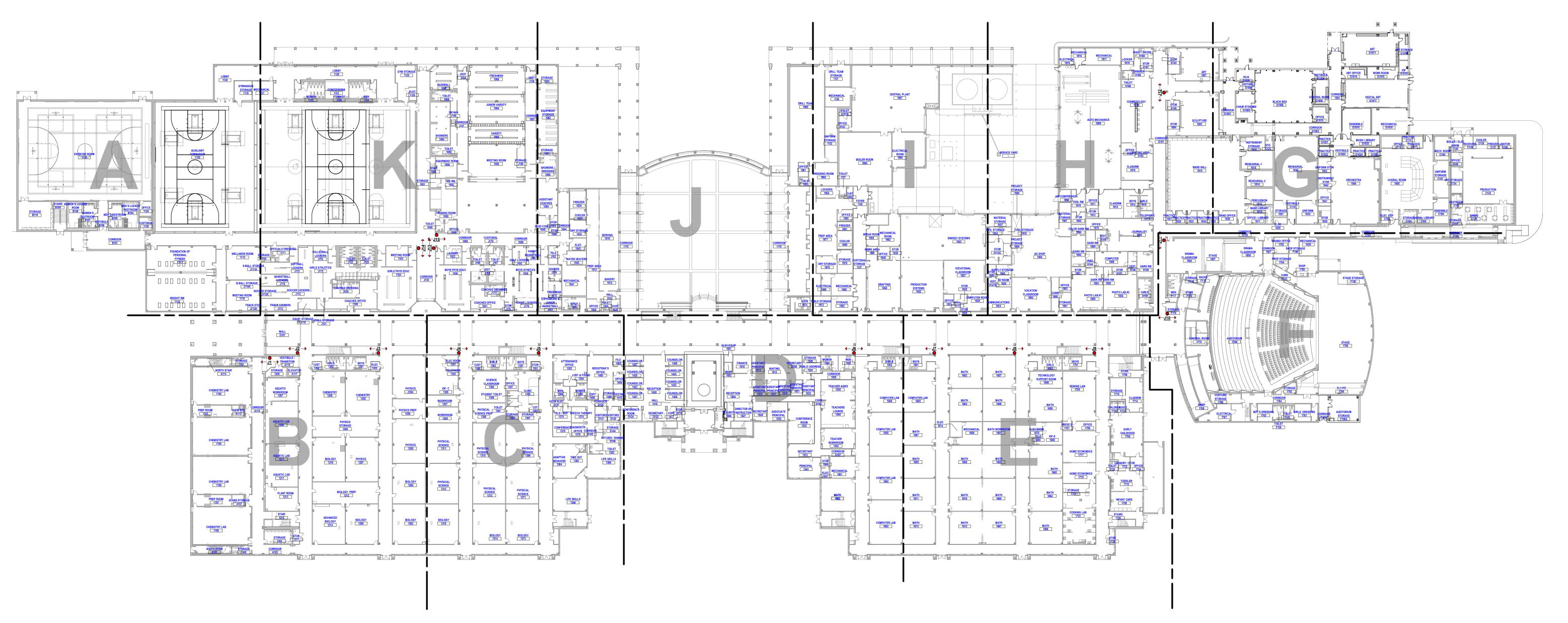




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Level SIGN TYPE		SIGN TYPE NUMBER	LARGE TEXT	WAYFINDING TEXT		
LEVEL 01						
LEVEL 01	J	J1	(VERIFY EXIST.)	ROOMS 1151 TO 1158	_	
LEVEL 01	J	J2	VERIFY EXIST.	ROOMS 1206 TO 1214		
LEVEL 01	J	J3	(VERIFY EXIST.)	ROOMS 1254 TO 1262		
LEVEL 01	J	J4	(VERIFY EXIST.)	ROOMS 1305 TO 1314		
LEVEL 01	J	J5	VERIFY EXIST.	ROOMS 1352 TO 1386		
LEVEL 01	J	J6	(VERIFY EXIST.)	ROOMS 1535 TO 1563	_	
LEVEL 01	J	J7	(VERIFY EXIST.)	ROOMS 1601 TO 1613		
LEVEL 01	J	J8	(VERIFY EXIST.)	ROOMS 1652 TO 1667		
LEVEL 01	J	J9	(VERIFY EXIST.)	ROOMS 1701 TO 1730		
LEVEL 01	J	J10	(VERIFY EXIST.)	ROOMS F114 TO G143		
LEVEL 01	J	J11	(VERIFY EXIST.)	ROOMS 1803 TO 1839		
LEVEL 01	J	J12	(VERIFY EXIST.)	ROOMS 1883 TO 1887		
LEVEL 01	J	J13	(VERIFY EXIST.)	ROOMS 1032 TO 1045	_	
LEVEL 01	J	J14	(VERIFY EXIST.)	ROOMS 1103 TO 1120		
LEVEL 01	J	J15	VERIFY EXIST.	ROOMS 1030 TO 1125		
LEVEL 02				-		
LEVEL 02	J	J16	(VERIFY EXIST.)	ROOMS 2052 TO 2058		
LEVEL 02	J	J17	(VERIFY EXIST.)	ROOMS 2105 TO 2116		
LEVEL 02	J	J18	(VERIFY EXIST.)	ROOMS 2206 TO 2216	_	
LEVEL 02	J	J19	(VERIFY EXIST.)	ROOMS 2307 TO 2318		
LEVEL 02	J	J20	(VERIFY EXIST.)	ROOMS 2451 TO 2411		
LEVEL 02	J	J21	(VERIFY EXIST.)	ROOMS 2515 TO 2523		
LEVEL 02	J	J22	(VERIFY EXIST.)	ROOMS 2702 TO 2720		
LEVEL 02	J	J23	(VERIFY EXIST.)	ROOMS 2801 TO 2814		
LEVEL 02	J	J24	(VERIFY EXIST.)	ROOMS 2904 TO 2915		
LEVEL 02	J	J25	(VERIFY EXIST.)	ROOMS H212 TO 3002	_	
LEVEL 02	J	J26	(VERIFY EXIST.)	ROOMS H212 TO 3002		
LEVEL 02	J	J27	(VERIFY EXIST.)	ROOMS H212 TO 3002		
LEVEL 02	J	J28	(VERIFY EXIST.)	ROOMS 2006 TO 2020		
LEVEL 02	J	J29	(VERIFY EXIST.)	ROOMS 2006 TO 2020	_	
LEVEL 02	1	J30	(VERIFY EXIST.)	ROOMS 2006 TO 2020	_	

SIGN TYPE B - WAYFINDING

SCALE: 6" = 1'-0"



1 ARCHITECTURAL - OVERALL SIGNAGE PLAN - LEVEL 01

SCALE: 1" = 40'-0"

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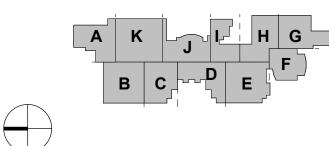
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1 ADDENDUM 02





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								INTERIORS - FINISH SCHEDULE - NOTEBLOCK_SHAPES - SUSTAINABILITY	VA EDD (ODT 4)		SOURCING OF I	RAW MATERIALS (OPT 2)		MATERIAL INCREDI	FNTC (ODT 4)	
									v4 EPD (OPT 1)				MFG INVENTOR			
ITEM CODE	ITEM DESIGNATION	MANUFACTURER	MODEL	COLOR	COLOR NUMBER	R	FINISH, TEXTURE, PATTERN, SIZE	COMMENTS	v4 EPD OPT 1 EPD TY	YPE TAKE BA		FSC REUSE	RECYCLED REPORTE	PRODUCT CRADLE DECLARATION CRADLE		
Base RB-1	RUBBER BASE	ROPPE		BLACK BROWN		4" RUBBER BASE	≣			•				•		JENNIFER BRAMMER JENNIFER.BRAMMER@PROFESSIONALF
TIL-3B	TILE BASE	DALTILE	VOLUME 1.0	INTENSITY PEBBL	VL72	COVE BASE 6" X	12"	TILE BASE								LOORING.COM (713) 957-8282 X 3947 FABIAN BROADEN
Ceiling			P36C9		VLIZ											FABIAN.BROADEN@DALTILE.COM
ACT-1	ACOUSTICAL CEILING GRID TILE	ARMSTRONG		WHITE; REFER TO RCP FOR LOCATION OF BLACK CEILING TILES (BLACK BOX)		NRC.70		CLASSROOM/LEARNING SPACES	PRODU SPECI	UCT • IFIC	•		•	•	•	KATHERINE A. KIDD KAKIDD@ARMSTRONGCEILINGS.COM (713) 702-5955
ACT-2	ACOUSTICAL CEILING GRID TILE	ARMSTRONG	CORTEGA	WHITE; REFER TO RCP FOR LOCATION OF BLACK CEILING TILES (BLACK BOX)	770	NRC.55		CORRIDORS	PRODU SPECI				•	•	•	KATHERINE A. KIDD KAKIDD@ARMSTRONGCEILINGS.COM (713) 702-5955
ACT-3	ACOUSTICAL CEILING GRID TILE	ARMSTRONG		WHITE		NRC.70 MINIMUN	Л	LIBRARY								KATHERINE A. KIDD KAKIDD@ARMSTRONGCEILINGS.COM (713) 702-5955
ACT-4	ACOUSTICAL CEILING GRID TILE	ARMSTRONG	CLEAN ROOM	WHITE	868			KITCHENS					•			KATHERINE A. KIDD KAKIDD@ARMSTRONGCEILINGS.COM
	DECORATIVE CEILING GRID TILE EXPOSED DECK / STRUCTURE															(713) 702-5955
Floor CPT-1	CARPET	TARKETT	AFTERMATH	TAPESTRY	23512	6' POWERBOND		FIELD; TRANSITION TRIM SCHLUTER VINPRO-S ALUMINUM CARPET TO RESILIENT.	PRODU SPECI	UCT •			•		•	KAREN PERUCKI KAREN.PERUCKI@TARKETT.COM
	WALKOFF CARPET	TARKETT	FABRICATE		36204	6' POWERBOND		AT THEATER STEPS ONLY								(832) 367-5109
LVT-1	LUXURY VINYL TILE	TARKETT	ID LATITUDE ABSTRACT	VILLA WHITE	7563	18" X 18"		FIELD	PRODU SPECI	IFIC			•			KAREN PERUCKI KAREN.PERUCKI@TARKETT.COM (832) 367-5109
LVT-2	LUXURY VINYL TILE	TARKETT	ID LATITUDE ABSTRACT	LANDMARK	7565	18" X 18"		ACCENT	PRODU SPECI	UCT •			•			KAREN PERUCKI KAREN.PERUCKI@TARKETT.COM (832) 367-5109
LVT-3	LUXURY VINYL TILE	TARKETT	ID LATITUDE ABSTRACT	NIGHTFALL	7552	18" X 18"		ACCENT	PRODU SPECI	UCT •			•			KAREN PERUCKI KAREN.PERUCKI@TARKETT.COM (832) 367-5109
LVT-4	LUXURY VINYL TILE	TARKETT	EVENT STONE	CALDERA	11198	12" X 24"		DARK ROOM, STAGE RAMPS.	PRODU SPECI	UCT •			•			KAREN PERUCKI KAREN.PERUCKI@TARKETT.COM (832) 367-5109
	LUXURY VINYL TILE	MOHAWK	MOLVENO STONES	CITYSCAPE	988	11.75" X 35.75"		PRESS BOX	PRODU SPECI	UCT IFIC				•	•	PATTI SUE PATTISUE_BROWN@MOHAWKIND.COM
SEC-1	CONCRETE - POLISHED CONCRETE - SEALED SPORTS FLOORING	REGUPOL	AKTIVPRO	MEAN GREEN	AK10106		m	ART ROOMS, KILN, ART OFFICE MECHANICAL ROOM, METAL STORAGE BUILDING, IDF FIELD COLOR 20% SPECKLED								LENNY WACHOWIAK
			AKTIVPRO			}	<u></u>									LENNY@GFRCONTRACT.COM (281) 757 4196
		REGUPOL			AK95102	{	CT ONLY; 1" THICKNESS	PLATFORMS OPPOSE OF THE PROPERTY OF THE PROPER								LENNY WACHOWIAK LENNY@GFRCONTRACT.COM (281) 757 4196
		REGUPOL CRASH			AK10100	ROLLED PRODU	CT ONLY; 1" THICKNESS	CRASH PADS								LENNY WACHOWIAK LENNY@GFRCONTRACT.COM (281) 757 4196
SVH-1	RESILIENT SHEET VINYL	TARKETT	IQ GRANIT	WARM LIGHT GREY	0234			CLINIC FIELD	PRODU SPECI				•			KAREN PERUCKI KAREN.PERUCKI@TARKETT.COM (832) 367-5109
SVH-2	RESILIENT SHEET VINYL	TARKETT	IQ GRANIT	WHITE SAND	0320			CLINIC ACCENT	PRODU SPECI				•			KAREN PERUCKI KAREN.PERUCKI@TARKETT.COM (832) 367-5109
SVH-3	RESILIENT SHEET VINYL	TARKETT	IQ GRANIT	WARM CONCRETE	0297			CLINIC ACCENT	PRODU SPECI				•			KAREN PERUCKI KAREN.PERUCKI@TARKETT.COM (832) 367-5109
TIL-1	TILE	DALTILE	VOLUME 1.0	STEREO GREY	VL73	12" X 24"		FIELD; TRANSITION TRIM SCHLUTER RENO-U ALUMINUM TILE TO CONCRETE.TRANSITION TRIM SCHLUTER SCHIENE ALUMINUM TILE TO RESILIENT.					•			FABIAN BROADEN FABIAN.BROADEN@DALTILE.COM
TIL-2	TILE	DALTILE DALTILE	VOLUME 1.0 VOLUME 1.0	INTENSITY PEBBL VAPOR	VL72 VL63	12" X 24" 12" X 24"		ACCENT; TRANSITION TRIM SCHLUTER RENO-U ALUMINUM TILE TO CONCRETE.TRANSITION TRIM SCHLUTER SCHIENE ALUMINUM TILE TO RESILIENT. MAIN CORRIDOR ACCENT					•			FABIAN BROADEN FABIAN.BROADEN@DALTILE.COM FABIAN BROADEN
TIL-4	TILE	DALTILE	VOLUME 1.0	STEREO GREY	VL73	12" X 12"		STAIRS; TRANSITION TRIM SCHLUTER RENO-U ALUMINUM TILE TO CONCRETE.TRANSITION TRIM SCHLUTER SCHIENE ALUMINUM TILE TO RESILIENT.					•			FABIAN.BROADEN@DALTILE.COM FABIAN BROADEN FABIAN.BROADEN@DALTILE.COM
TIL-5	TILE	DALTILE	VOLUME 1.0	INTENSITY PEBBL	VL72	12" X 12"		STAIRS; TRANSITION TRIM SCHLUTER RENO-U ALUMINUM TILE TO CONCRETE.TRANSITION TRIM SCHLUTER SCHIENE ALUMINUM TILE TO RESILIENT.					•			FABIAN BROADEN FABIAN BROADEN@DALTILE.COM
Millwork/Casework	HARDBOARD FACED PLYWOOD (MASONITE) SURFACING							TO BE PAINTED PNT-6 IN BLACK BOX SCIENCE LAB COUNTERTOPS								
	PLASTIC LAMINATE	FORMICA		SILVER RIFTWOOD	6413-NG	GRAIN DIRECTIO	DN: VERTICAL	ALL VERTICAL SURFACES U.N.O.UPPER & LOWER CABINETS								AMY RITCHMOND AMY.RITCHMOND@FORMICA.COM (713) 658-5886
PLM-2	PLASTIC LAMINATE	FORMICA		COTTON CLOTH	8681-58	MATTE		ALL COUNTERTOPS U.N.O; SIGNAGE	PRODU SPECI	UCT IFIC	•	•	•	•	•	AMY RITCHMOND AMY.RITCHMOND@FORMICA.COM
PLM-3	PLASTIC LAMINATE	WILSONART		BLACK	1595-60	MATTE		COSMETOLOGY AND DARK ROOM. CONTROL ROOM AND BLACK BOX. VERTICAL SURFACES	PRODU SPECI	UCT IFIC	•	•	•	•	•	(713) 658-5886 CASSIDY CAREY CAREYC@WILSONART.COM
PLM-4	PLASTIC LAMINATE	FORMICA		WILD CHERRY	5904-43	GRAIN DIRECTIO	DN: VERTICAL	MATCH EXISTING VERTICAL SURFACES AND DOORS								(281) 908-8611 AMY RITCHMOND AMY.RITCHMOND@FORMICA.COM
PLM-5	PLASTIC LAMINATE	WILSONART		BLACKBIRD	5024K-19			CONTROL ROOM COUNTERTOP	PRODU SPECI	UCT IFIC	•	•	•	•	•	(713) 658-5886 CASSIDY CAREY CAREYC@WILSONART.COM
	PLASTIC LAMINATE	FORMICA		TBD				MATCH NAVY PAINT FOR SIGNAGE	Of EOI	11 10						(281) 908-8611
	PLASTIC LAMINATE SURFACING	FORMICA CAMBRIA		TBD HARROGATE				MATCH GREEN PAINT FOR SIGNAGE RECEPTION DESK						•	•	JOSIE WEST JOSIE.WEST@CAMBRIAUSA.COM
QTZ-2	SURFACING	CAMBRIA		TEMPLETON				ART ROOM, DIGITAL MEDIA, COOKING LAB AND PRESSBOX						•	•	JOSIE WEST JOSIE.WEST@CAMBRIAUSA.COM
QTZ-3	SURFACING	WILSONART		VESUVIUS	Q1017	MATTE		COSMETOLOGY						•	•	(218) 591-7062 JOSIE WEST JOSIE.WEST@CAMBRIAUSA.COM
Miscellaneous					1											(218) 591-7062
GR-1	GROUT	LATICRETE	N/A	DUSTY GREY	60			FLOOR GROUT								EMILY WOOD EMWOOD@LATICRETE.COM 1(800) 243-4788
	Textiles FLOOR TRANSITION - CARPET TO RESILIENT	SCHLUTER	VINPRO-S	ALUMINUM		CARPET TO RES	ILIENT									JOSIE JANSSEN JJANSSEN@SCHLUTER.COM
	FLOOR TRANSITION - LVT TO RESILIENT					LVT TO RESILIEN										(888) 473-5488 EXT. 4693
TR-4	FLOOR TRANSITION - RESILIENT TO CONCRETE FLOOR TRANSITION - RESILIENT TO RESILIENT FLOOR TRANSITION - TILE TO CARPET	SCHLUTER	SCHIENE	ALUMINUM		RUBBER REDUC RESILIENT TO RI TILE TO CARPET	ESILIENT									JOSIE JANSSEN
	FLOOR TRANSITION - TILE TO RESILIENT			ALUMINUM		TILE TO RESILIE										JJANSSEN@SCHLUTER.COM (888) 473-5488 EXT. 4693 JOSIE JANSSEN
																JJANSSEN@SCHLUTER.COM (888) 473-5488 EXT. 4693
	FLOOR TRANSITION - TILE TO CONCRETE	SCHLUTER		ALUMINUM		TILE TO CONCRE										JOSIE JANSSEN JJANSSEN@SCHLUTER.COM (888) 473-5488 EXT. 4693
	FLOOR TRANSITION - ALUMINUM THRESHOLD DTL - WOOD TO RESILIENT		PEMKO	ALUMINUM		WOOD TO RESIL	JENT									LAURIE BAKER LAURIE.BAKER@ASSAABLOY.COM (346) 257-9331
TR-9	STAIR NOSING PROFILE	SCHLUTER	TREP-G-S	BLACK	GS	11/32" H										JOSIE JANSSEN JJANSSEN@SCHLUTER.COM (888) 473-5488 EXT. 4693
Wall AWP-1	ACOUSTICAL WALL PANELING	GUILFORD OF MAINE	FR701 2100	BLUE PLUM	553			MAIN CORRIDOR					•		· · · · · · · · · · · · · · · · · · ·	GUILFORDSALES@GUILFORDOFMAINE.
	ACOUSTICAL WALL PANELING	GUILFORD OF MAINE	FR701 2100	FIR	743			MAIN CORRIDOR					•			GUILFORDSALES@GUILFORDOFMAINE.
PNT-1	PAINT	SHERWIN WILLIAMS			SW7029			FIELD	PRODU SPECI	IFIC			•			JOY LACHELLE BABUR JOY.L.BABUR@SHERWIN.COM (713) 957-4209
PNT-2	PAINT	SHERWIN WILLIAMS		DORIAN GRAY	SW7017			NEUTRAL ACCENT	PRODU SPECI	UCT IFIC			•			JOY LACHELLE BABUR JOY.L.BABUR@SHERWIN.COM (713) 957-4209
PNT-3	PAINT	SHERWIN WILLIAMS		DRESS BLUE	SW9176			CORRIDOR ACCENT, STAIRS, DOOR FRAMES, RAILINGS	PRODU SPECI				•			JOY LACHELLE BABUR JOY.L.BABUR@SHERWIN.COM (713) 957-4209
PNT-4	PAINT	SHERWIN WILLIAMS		KALE GREEN	SW6460			GREEN ACCENT	PRODU SPECI	UCT IFIC			•			JOY LACHELLE BABUR JOY.L.BABUR@SHERWIN.COM
PNT-5	PAINT	SHERWIN WILLIAMS		PURE WHITE	SW7005			CEILING								JOY LACHELLE BABUR JOY.L.BABUR@SHERWIN.COM
								DAINT ELOODINO IN ADEA O CONTROL DOOM AND DI AGY DOV								(713) 957-4209 JOY LACHELLE BABUR
PNT-6	PAINT	SHERWIN WILLIAMS		BLACK MAGIC	SW6991			PAINT FLOORING IN AREA G - CONTROL ROOM AND BLACK BOX								
	PAINT FOLDING PARTITION	SHERWIN WILLIAMS TBD		BLACK MAGIC	SW6991		ON STEEL, BONDED TO THE FACE OF THE PANEL, THE	MARKERBOARDS TO HAVE HORIZONTAL TRIM; TRIM IS NOT ACCEPTABLE ON VERTICAL EDGES, TO PROVIDE UNINTERRUPTED WORK SURFACE. NO EXPOSED FASTENERS ON PARTITION WALL;								JOY.L.BABUR@SHERWIN.COM (713) 957-4209

INTERIOR FINISH GENERAL NOTES

- 1. NO SUBSTITUTIONS OF FINISHES ARE ALLOWED WITHOUT APPROVAL OF
- 2. SUBMIT (3) SAMPLES OF EACH FINISH AS SPECIFIED ON APPROPRIATE SUBSTRATE
- TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING. 3. FLAME SPREAD AND SMOKE DEVELOPMENT RATINGS FOR INTERIOR FINISHES ARE
- 4. FLOOR TRANSITIONS SHALL OCCUR AT CENTERLINE OF DOOR IN CLOSED POSITION,
- 5. PROVIDE TRANSITION STRIP BETWEEN SCHEDULED CARPET, RESILIENT FLOORING. STONE FLOORING, AND TILE AS REQUIRED; UNO. REFER TO SECTION 096500. COLOR TO MATCH CARPET.

TO BE IN ACCORDANCE WITH APPLICABLE CODES.

- 6. FLOORING TRANSITIONS SHALL BE COMPLETELY FLUSH. FIELD VERIFY FLOOR SLAB AND NOTIFY ARCHITECT OF AREAS TO BE LEVELED BEFORE COMMENCING WORK. PROVIDE ADEQUATE FLOOR LEVELING MATERIAL TO MAINTAIN CONSISTENT LEVEL FLOOR SURFACE BETWEEN DIFFERENT FLOORING FINISH MATERIALS. NOTIFY ARCHITECT IMMEDIATELY IF EXCESSIVE FLOOR FLOAT IS REQUIRED.
- 7. TYPICAL FLOOR BASE SHALL BE RB-1, UNO. PROVIDE STRAIGHT BASE AT CARPET AND COVED BASE AT OTHER HARD FLOOR MATERIALS.
- 8. REFER TO REFLECTED CEILING PLANS FOR CEILING FINISH INFORMATION.
- 9. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL FINISH REQUIREMENTS, INCLUDING DIMENSIONS AND EXTENT OF SPECIAL WALL FINISHES.
- 10. GYPSUM BOARD PARTITIONS SHALL BE FLOATED OUT TO MAINTAIN A SMOOTH, EVEN, CONSISTENT APPEARANCE IN ACCORDANCE WITH SPECIFICATION SECTION 092900. NOTICEABLE JOINTS OR TAPE LINES IN GYPSUM BOARD PARTITIONS WILL NOT BE ACCEPTABLE. REFER TO FINISH SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL WALL FINISH INFO.
- 11. PAINTED WALLS SHALL HAVE AN EVEN DEPTH OF COLOR AND REFLECTANCE. IF A PORTION OF A WALL IS REPAINTED AND AN EVEN FINISH IS NOT ACHIEVED, THE ENTIRE WALL SHALL BE REPAINTED.
- 12. ACCESS PANELS, ELECTRICAL PANELS, AND OTHER UNFINISHED OR PRIME COATED ITEMS SHALL BE PAINTED TO MATCH THE WALL OR CEILING.
- 13. ELECTRICAL COMMUNICATION DEVICES AND COVER PLATES SHALL BE WHITE,
- 14. WALLS SHALL RECEIVE PNT-1 AND RB-1, TYPICAL, UNO. ALLOW FOR PRIMER AND TWO TOPCOATS FOR PAINT APPLICATION OVER GYPSUM BOARD WITH EGGSHELL
- 15. WHEN A CEILING RECEIVES A COLOR OTHER THAN THE STANDARD, PAINT CEILING MOUNTED DEVICES TO MATCH, INCLUDING DIFFUSERS.
- 16. ACCESS PANELS, ELECTRICAL PANELS, AND OTHER UNFINISHED OR PRIME COATED ITEMS SHALL BE PAINTED TO MATCH THE WALL OR CEILING IN WHICH IT IS INSTALLED.
- 17. ACCENT PAINT SHALL EXTEND HORIZONTALLY FROM INSIDE CORNER TO INSIDE CORNER ALONG WALL. CONTINUE ACCENT PAINT ACROSS FURR-DOWNS AND BULKHEADS ONLY IF THEY ARE IN THE SAME PLANE AS THE ACCENT WALL.
- 18. CAULKING AND SEALANT SHALL MATCH SURFACE TO WHICH IT IS APPLIED, UNO. SUBMIT COLOR CHART FOR ARCHITECT'S SELECTION. WHERE TWO DIFFERENT MATERIALS/COLORS ALIGN IN THE SAME PLANE, MATCH THE DARKER COLOR.
- 19. PAINT ALL EXISTING/NEW HOLLOW METAL DOORS SAME COLOR AS FRAME, TYPICAL, UNO. HOLLOW METAL FRAMES SHALL BE SEMI-GLOSS. PAINT ALL EXISTING HOLLOW METAL FRAMES COLOR TO BE PNT-3.
- 20. ALL PREVIOUSLY PAINTED METAL RAILINGS, STAIR STRINGERS, RISERS SHALL HAVE PRIMER AND TWO COATS OF EPOXY PAINT WITH POLYURETHANE TOPCOAT. PAINT COLOR TO BE PNT-3.
- 21. SCHEDULED FLOOR FINISH TO RUN CONTINUOUSLY UNDERNEATH MILLWORK, UNO. 22. ALL EXISTING ACCENT WALLS TO BE REPAINTED. REPAINTING TO BE DONE IN THE SAME LOCATION AS EXISTING ACCENT WALLS, UNO. NEW PAINT COLOR TO BE
- 23. ALL VCT TO BE REPLACECED WITH LVT-1, UNO.
- 24. CONTRACTOR TO COORDINATE FLOOR FINISHES WITH EXISTING FLOOR OUTLETS AND FLOOR DRAINS, PROTECT DURING CONSTRUCTION.
- 25. CONTRACTOR IS RESPONSIBLE FOR CAREFULLY REMOVING THE EXISTING ACOUSTIC PANELS PRIOR TO PAINTING. AFTER PAINTING IS COMPLETE, THE PANELS SHALL BE REINSTALLED IN THEIR ORIGINAL LOCATIONS. ANY DAMAGED PANELS MUST BE REPLACED.



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Katy, Texas 77449

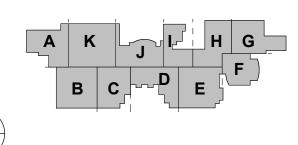
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KW Landscape Architecs 6925 Portwest Drive Suite 100 Houston, Texas 77024 346.509.5638



REVISION HISTORY	

1 ADDENDUM 02 REVISION DESCRIPTION PROFESSIONAL SEALS



12/20/2024



2024 CY RIDGE HS RENOVATION

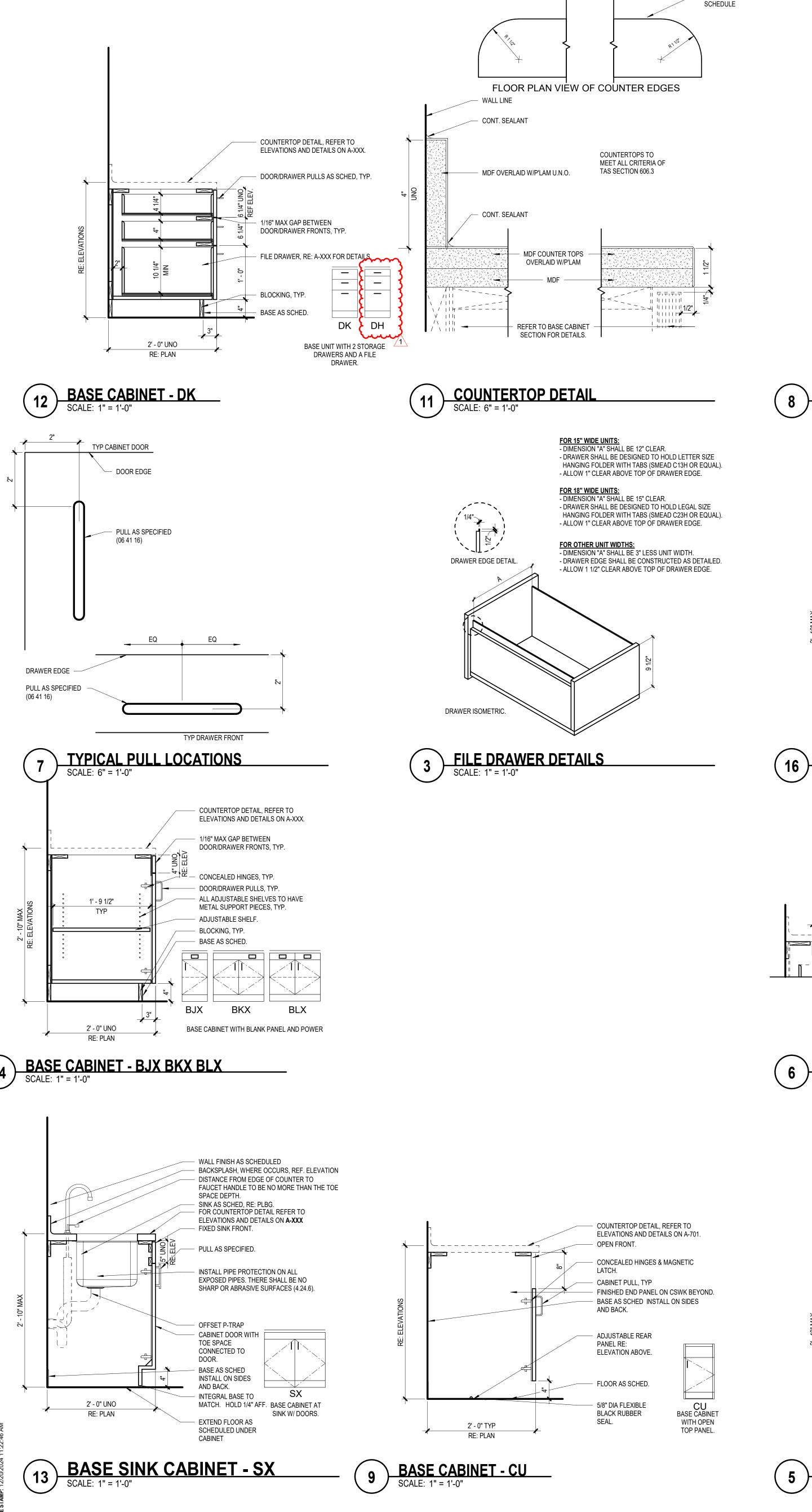
7900 North Eldridge Parkway Houston, TX 77041

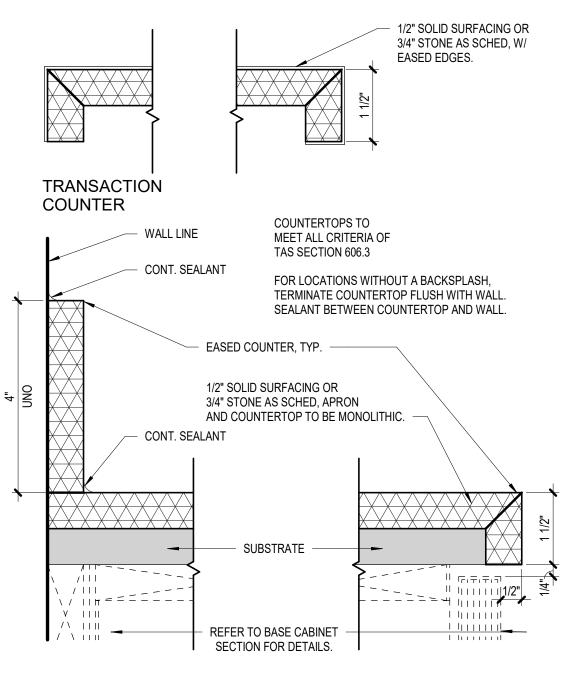
ORIGINAL ISSUE

ISSUE FOR PROPOSALS DECEMBER 09, 2024

ARCHITECTURAL - INTERIORS FINISH SCHEDULE

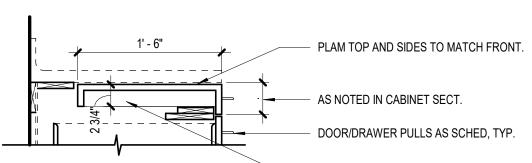
SHEET NUMBER





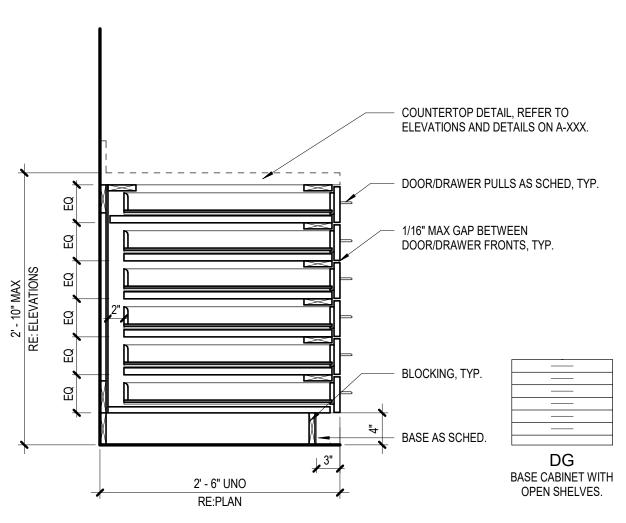
PLAM FINISH; RE:FINISH

COUNTERTOP DETAIL
SCALE: 6" = 1'-0" COUNTERTOP DETAIL, REFER TO ELEVATIONS AND DETAILS ON A-XXX. DOOR/DRAWER PULLS AS SCHED, TYP. FILE DRAWER, RE: A-XXX FOR DETAILS. 1/16" MAX GAP BETWEEN DOOR/DRAWER FILE DRAWER, RE: A-XXX FOR DETAILS. - BLOCKING, TYP. BASE AS SCHED. BASE UNIT WITH 2 2' - 0" UNO FILE DRAWERS.



WRITING SURFACE DRAWER

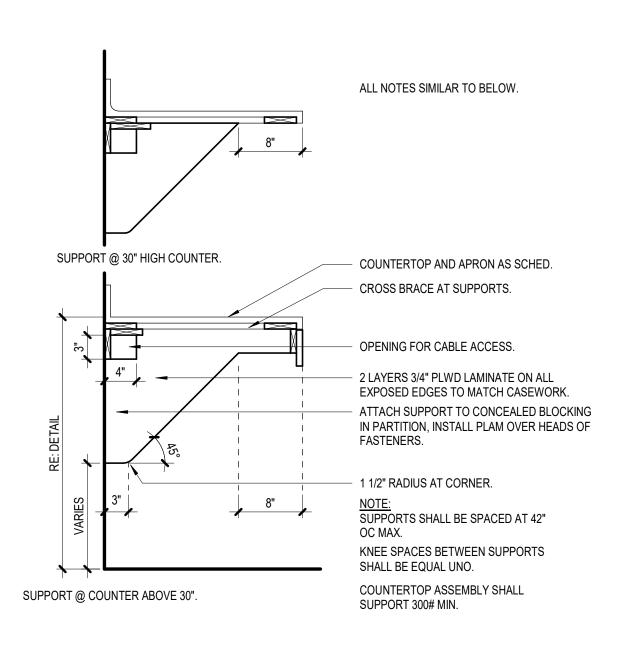
SCALE: 1" = 1'-0"



DRAWER SLIDES TO SUPPORT 150 LBS.

BASE CABINET - DG

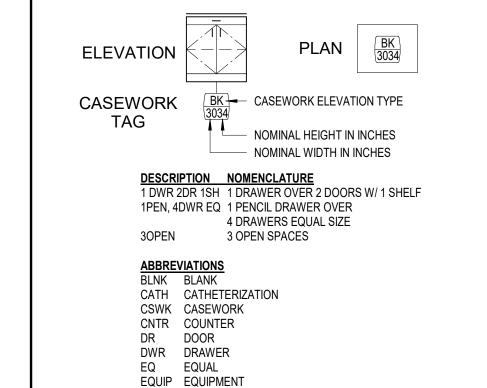
SCALE: 1" = 1'-0"



CASEWORK GENERAL NOTES

- 1. ALL CASEWORK SHOWN ON THIS SHEET IS PLASTIC LAMINATE CLAD UNO. 2. ALL EXPOSED SURFACES AND EDGES SHALL RECEIVE PLASTIC LAMINATE AS SCHED ALL SEMI-EXPOSED SURFACES AND EDGES SHALL RECEIVE WHITE MELAMINE UNO,
- 3. CABINET WIDTHS ARE BASED ON MODULE INCREMENTS OF 3 INCHES FROM 12 TO 36 INCHES WIDE CABINETS AND 6 INCH INCREMENTS FOR 36 TO 48 INCHES OF WIDE
- 4. ALL COUNTERTOPS SHALL BE PLASTIC LAMINATE UNO. PROVIDE 3/4" PLYWD
- SUBSTRATE FOR ALL WET LOCATIONS. 3/4" MDF AT OTHER LOCATIONS, UNO. 5. REFER TO 8 AND 11/A-702 FOR COUNTERTOP DETAILS. 11/A-702 IS TYPICAL
- COUNTERTOP DETAIL UNO ON ELEVATIONS. 6. REFER TO SHEET A-701 FOR TYP CASEWORK DETAILS.
- 7. INSTALL 3/4" THK BACKSPLASHES AT ALL LOCATIONS UNO. INSTALL 3/4" END 8. SPLASHES WHEN COUNTER IS ADJACENT TO A PARTITION OR TALLER CASEWORK. LAMINATE ALL EXPOSED EDGES TO MATCH COUNTERTOP. BACKSPLASH AND END SPLASH TO BE 4" HIGH UNO.
- 9. EXPOSED CORNERS AT PLASTIC LAMINATE COUNTERTOPS TO HAVE 1" RADIUS CORNERS, U.N.O.. EXPOSED CORNERS AT QUARTZ/SOLID SURFACE COUNTERTOPS TO HAVE 1/2" RADIUS CORNERS. DO NOT RADIUS CORNER IF A FULL HEIGHT REFRIGERATOR IS PLANNED IMMEDIATELY NEXT TO COUNTERTOP. 10. ADJACENT UPPER CABINETS SHALL HAVE FLUSH BOTTOM TO FORM CONTINUOUS
- POCKET BEHIND FRONT VALENCE FOR LIGHT FIXTURES. BOTTOM OF EXPOSED SIDES SHALL ALIGN WITH FRONT. 1. PROVIDE FILLER PANEL WHERE CASEWORK ABUTS WALL OR HEADER ABOVE, 1 INCH
- MINIMUM TO 3 INCH MAXIMUM WIDTH. 2. PROVIDE FINISHED END PANELS AND/OR END RETURNS AT OPEN ENDED, EXPOSED CASEWORK OR AT KNEE SPACES.
- 13. OPTION 1: LOCATE GROMMETS 48 INCHES ON CENTER MAX. AT BACK OF COUNTERTOPS ABOVE KNEE SPACE, ONE GROMMET MIN. PER COUNTERTOP RUN.
- COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION. SHOW GROMMET LOCATIONS ON SHOP DRAWINGS. 14. OPTION 2: SCHED GROMMETS SHALL BE INSTALLED IN FIELD. ARCHITECT/OWNER TO DETERMINE LOCATIONS AFTER CASEWORK IS INSTALLED. ESTIMATE 1 GROMMET PER
- 48" OR FRACTION THEREOF OF COUNTERTOP W/O FLOOR MOUNTED BASE CABINETS. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF CASEWORK. 15. SOME DETAILS ON THIS SHEET MAY NOT BE USED.
- 16. PROVIDE FIRE TREATED WOOD BLOCKING WITHIN WALL FOR ALL MOUNTED CASEWORK. 17. MILLWORK SHALL BE CAULKED TO WALLS
- 18. CLOSE TOP AND BOTTOM VOIDS BETWEEN CORNER CABINETS AND FILLER PANELS WHERE BLIND CORNERS ARE NOT USED 19. SPLICES ARE NOT PERMITTED ON CONTERTOP LAMINATE MATERIAL LESS THAN 144"
- 20. ENSURE FILE DRAWERS ACCOMMODATE 8 1/2"X11" PENDAFLEX HANGING FILES WITH TABS FRONT TO REAR, TYP.

CASEWORK LEGEND



HD HEAVY DUTY KNEE KNEE SPACE LCKR LOCKER

OPEN OPEN SPACE(S) PEN PENCIL DRAWER REF REFRIGERATOR SH SHELF OR SHELVES

STOR STORAGE

REVISION HISTORY

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3800 Buffalo Speedway. Suite 550

1 ADDENDUM 02 12/20/2024 REVISION DESCRIPTION PROFESSIONAL SEALS





2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway

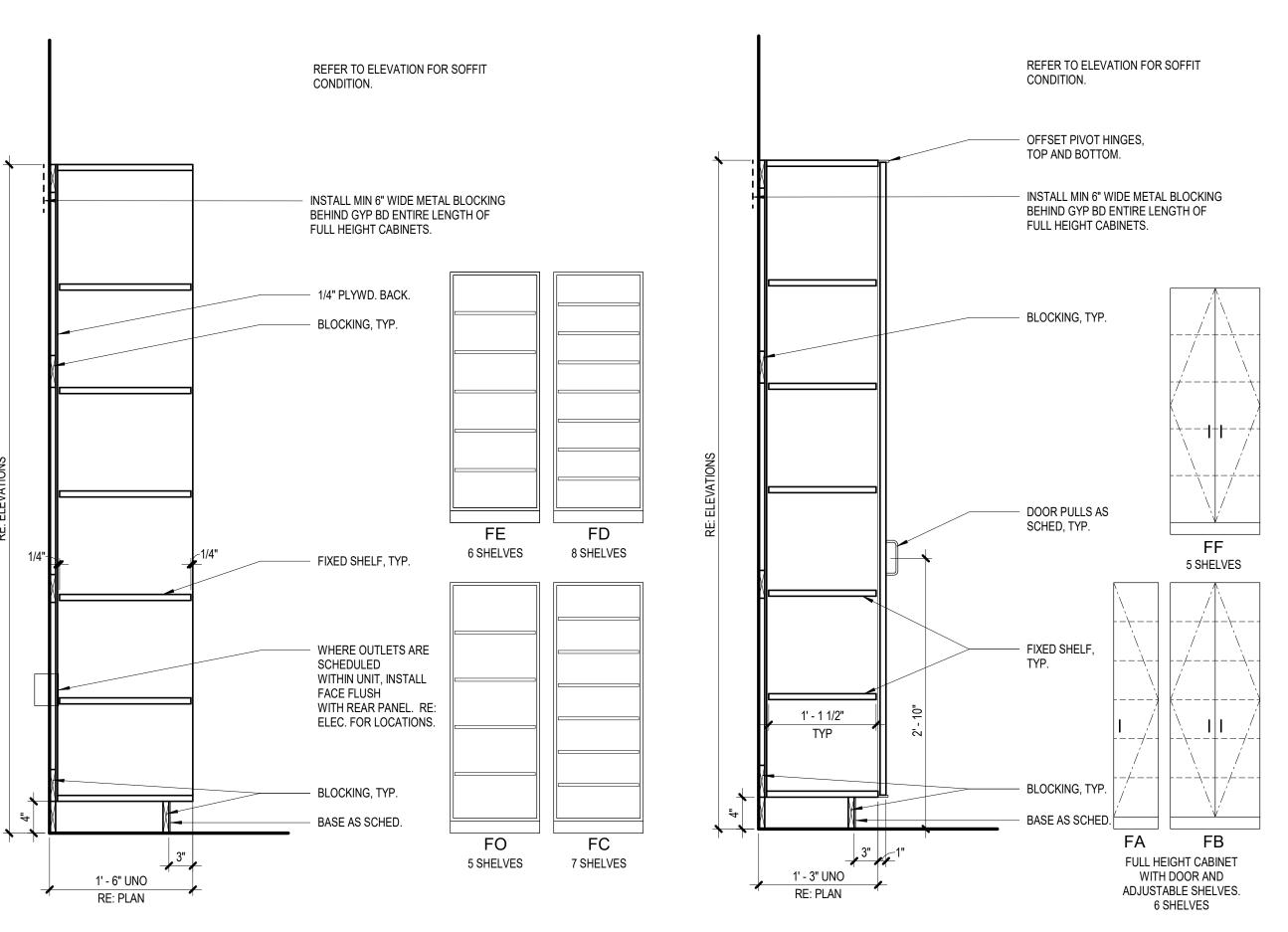
Houston, TX 77041 33AC23221 CFISD

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ORIGINAL ISSUE ISSUE FOR PROPOSALS DECEMBER 09, 2024

ARCHITECTURAL CASEWORK DETAILS

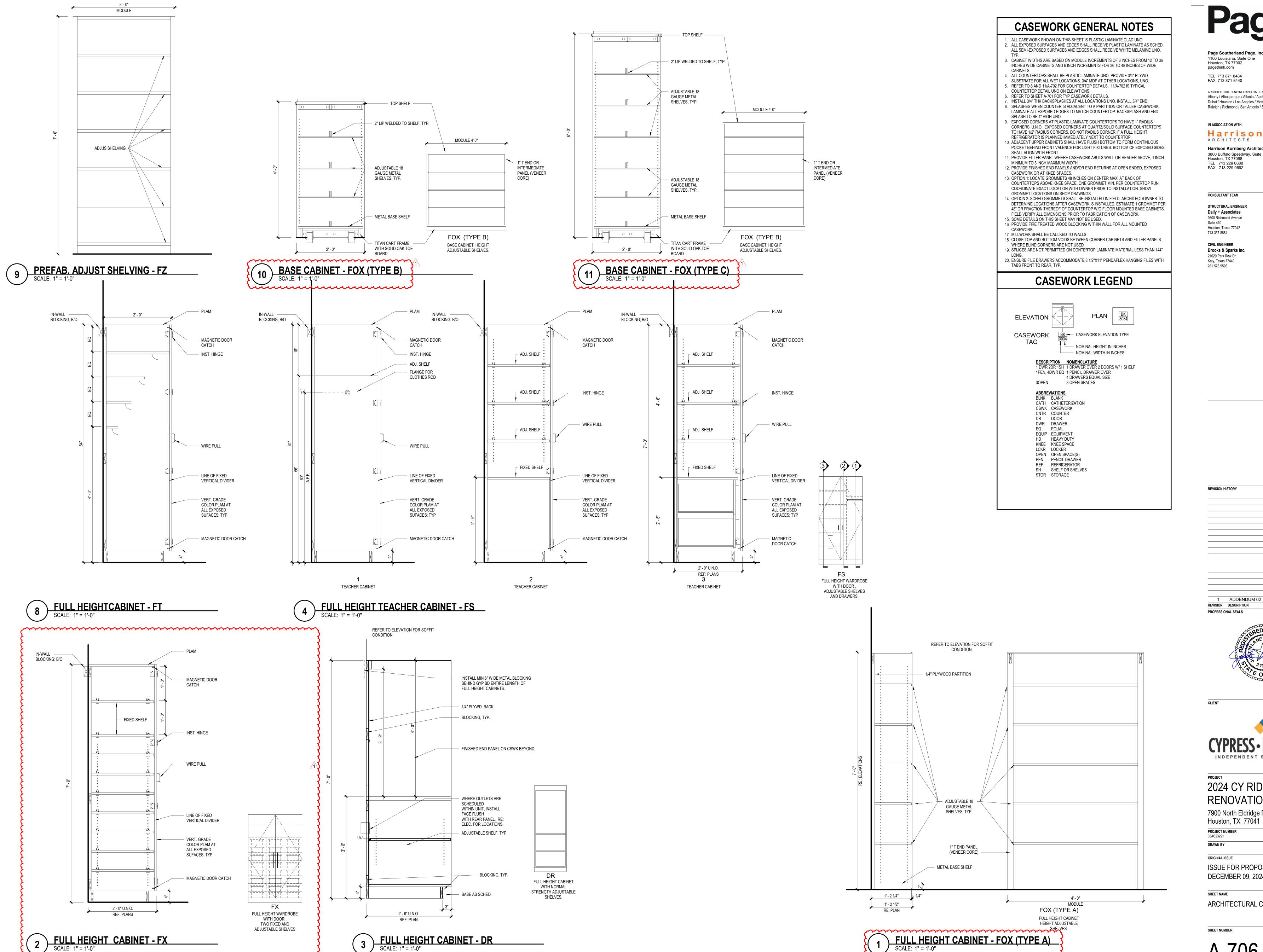
SHEET NUMBER



FULL HEIGHT CABINET - FA FB

SCALE: 1" = 1'-0" 2 FULL HEIGHT CABINET - FO FC
SCALE: 1" = 1'-0"

A-702



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REVISION HISTORY

12/20/2024

REVISION DESCRIPTION PROFESSIONAL SEALS





2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

PROJECT NUMBER 33AC23221 CHECKED BY

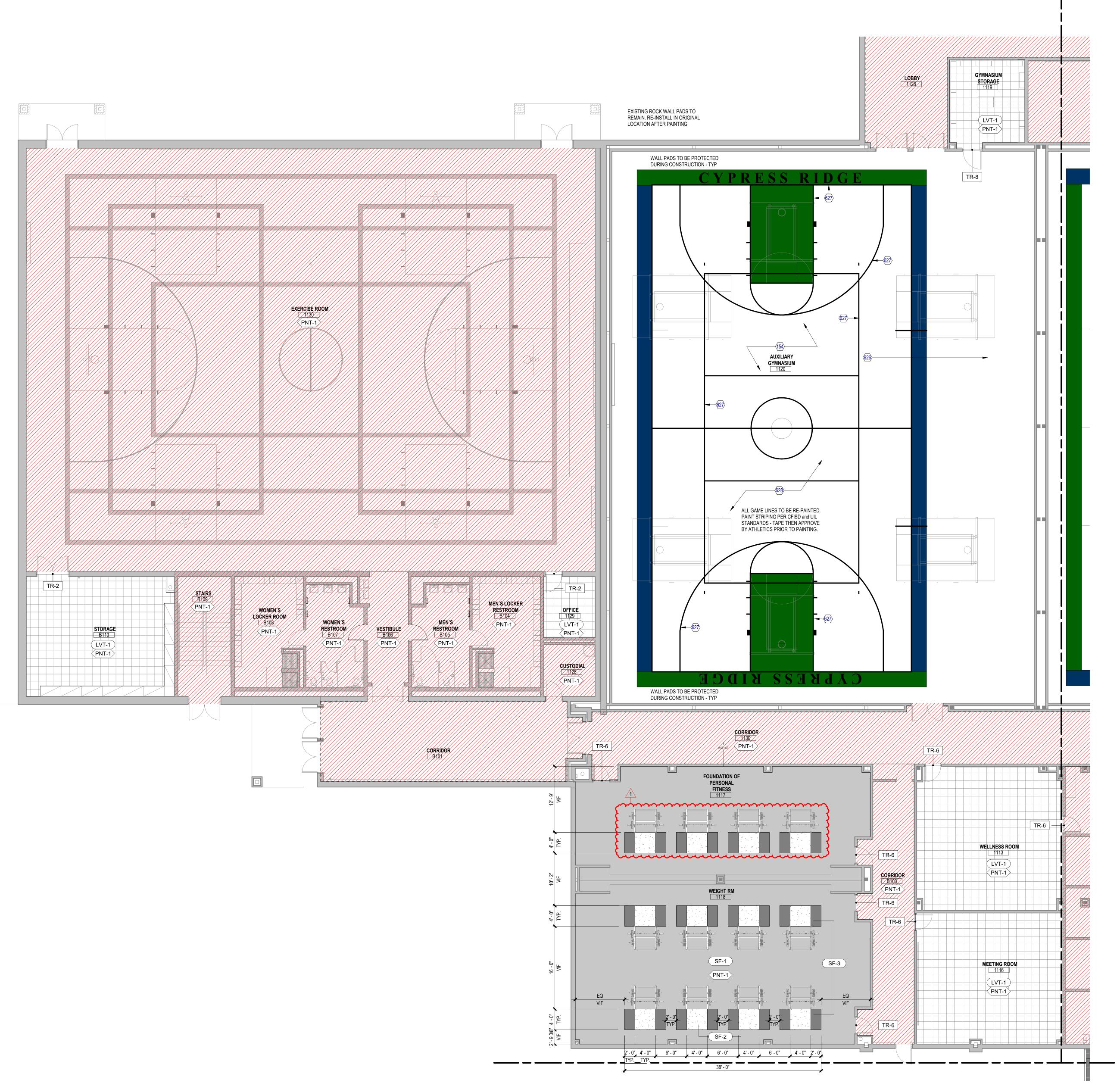
ORIGINAL ISSUE

ISSUE FOR PROPOSALS DECEMBER 09, 2024

ARCHITECTURAL CASEWORK DETAILS

SHEET NUMBER

A-706



INTERIOR FINISH GENERAL NOTES

- 1. NO SUBSTITUTIONS OF FINISHES ARE ALLOWED WITHOUT APPROVAL OF
- 2. SUBMIT (3) SAMPLES OF EACH FINISH AS SPECIFIED ON APPROPRIATE SUBSTRATE
- TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
- 3. FLAME SPREAD AND SMOKE DEVELOPMENT RATINGS FOR INTERIOR FINISHES ARE TO BE IN ACCORDANCE WITH APPLICABLE CODES.
- 4. FLOOR TRANSITIONS SHALL OCCUR AT CENTERLINE OF DOOR IN CLOSED POSITION,
- 5. PROVIDE TRANSITION STRIP BETWEEN SCHEDULED CARPET, RESILIENT FLOORING. STONE FLOORING, AND TILE AS REQUIRED; UNO. REFER TO SECTION 096500. COLOR TO MATCH CARPET.
- 6. FLOORING TRANSITIONS SHALL BE COMPLETELY FLUSH. FIELD VERIFY FLOOR SLAB AND NOTIFY ARCHITECT OF AREAS TO BE LEVELED BEFORE COMMENCING WORK. PROVIDE ADEQUATE FLOOR LEVELING MATERIAL TO MAINTAIN CONSISTENT LEVEL FLOOR SURFACE BETWEEN DIFFERENT FLOORING FINISH MATERIALS. NOTIFY ARCHITECT IMMEDIATELY IF EXCESSIVE FLOOR FLOAT IS REQUIRED.
- 7. TYPICAL FLOOR BASE SHALL BE RB-1, UNO. PROVIDE STRAIGHT BASE AT CARPET AND COVED BASE AT OTHER HARD FLOOR MATERIALS.
- 8. REFER TO REFLECTED CEILING PLANS FOR CEILING FINISH INFORMATION.
- 9. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL FINISH REQUIREMENTS, INCLUDING DIMENSIONS AND EXTENT OF SPECIAL WALL FINISHES.
- 10. GYPSUM BOARD PARTITIONS SHALL BE FLOATED OUT TO MAINTAIN A SMOOTH. EVEN, CONSISTENT APPEARANCE IN ACCORDANCE WITH SPECIFICATION SECTION 092900. NOTICEABLE JOINTS OR TAPE LINES IN GYPSUM BOARD PARTITIONS WILL NOT BE ACCEPTABLE. REFER TO FINISH SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL WALL FINISH INFO.
- 11. PAINTED WALLS SHALL HAVE AN EVEN DEPTH OF COLOR AND REFLECTANCE. IF A PORTION OF A WALL IS REPAINTED AND AN EVEN FINISH IS NOT ACHIEVED, THE ENTIRE WALL SHALL BE REPAINTED.
- 12. ACCESS PANELS, ELECTRICAL PANELS, AND OTHER UNFINISHED OR PRIME COATED ITEMS SHALL BE PAINTED TO MATCH THE WALL OR CEILING.
- 13. ELECTRICAL COMMUNICATION DEVICES AND COVER PLATES SHALL BE WHITE,
- 14. WALLS SHALL RECEIVE PNT-1 AND RB-1, TYPICAL, UNO. ALLOW FOR PRIMER AND TWO TOPCOATS FOR PAINT APPLICATION OVER GYPSUM BOARD WITH EGGSHELL
- 15. WHEN A CEILING RECEIVES A COLOR OTHER THAN THE STANDARD, PAINT CEILING MOUNTED DEVICES TO MATCH, INCLUDING DIFFUSERS.
- 16. ACCESS PANELS, ELECTRICAL PANELS, AND OTHER UNFINISHED OR PRIME COATED ITEMS SHALL BE PAINTED TO MATCH THE WALL OR CEILING IN WHICH IT IS INSTALLED.
- 17. ACCENT PAINT SHALL EXTEND HORIZONTALLY FROM INSIDE CORNER TO INSIDE CORNER ALONG WALL. CONTINUE ACCENT PAINT ACROSS FURR-DOWNS AND BULKHEADS ONLY IF THEY ARE IN THE SAME PLANE AS THE ACCENT WALL.
- 18. CAULKING AND SEALANT SHALL MATCH SURFACE TO WHICH IT IS APPLIED, UNO. SUBMIT COLOR CHART FOR ARCHITECT'S SELECTION. WHERE TWO DIFFERENT MATERIALS/COLORS ALIGN IN THE SAME PLANE, MATCH THE DARKER COLOR.
- 19. PAINT ALL EXISTING/NEW HOLLOW METAL DOORS SAME COLOR AS FRAME, TYPICAL, UNO. HOLLOW METAL FRAMES SHALL BE SEMI-GLOSS. PAINT ALL EXISTING HOLLOW METAL FRAMES COLOR TO BE PNT-3.
- 20. ALL PREVIOUSLY PAINTED METAL RAILINGS, STAIR STRINGERS, RISERS SHALL HAVE PRIMER AND TWO COATS OF EPOXY PAINT WITH POLYURETHANE TOPCOAT. PAINT COLOR TO BE PNT-3.
- 21. SCHEDULED FLOOR FINISH TO RUN CONTINUOUSLY UNDERNEATH MILLWORK, UNO. 22. ALL EXISTING ACCENT WALLS TO BE REPAINTED. REPAINTING TO BE DONE IN THE SAME LOCATION AS EXISTING ACCENT WALLS, UNO. NEW PAINT COLOR TO BE
- 23. ALL VCT TO BE REPLACECED WITH LVT-1, UNO.

627

628

SYMBOL DESCRIPTION

- 24. CONTRACTOR TO COORDINATE FLOOR FINISHES WITH EXISTING FLOOR OUTLETS AND FLOOR DRAINS, PROTECT DURING CONSTRUCTION.
- 25. CONTRACTOR IS RESPONSIBLE FOR CAREFULLY REMOVING THE EXISTING ACOUSTIC PANELS PRIOR TO PAINTING. AFTER PAINTING IS COMPLETE, THE PANELS SHALL BE REINSTALLED IN THEIR ORIGINAL LOCATIONS. ANY DAMAGED PANELS MUST BE REPLACED.

KEYED NOTES

STRIP DOWN AND REFINISH EXISTING GYM FLOOR IN AUXILIARY GYM. PROTECT GYM STRUCTURE, HVAC SYSTEMS AND COILS, EQUIPMENT, AND BLEACHERS DURING CONSTRUCTION. CLEAN AREA UNDER EXTENDED BLEACHERS, UPON COMPLETION OF NEW WORK. PROVIDE TEMPORARY AIR FILTERS FOR AIR HANDLERS DURING CONSTRUCTION.

PROTECT BLEACHERS DURING CONSTRUCTION AND REFINISH. CLEAN AREA UNDER EXTENDED BLEACHERS, UPON COMPLETION OF NEW WORK. PAINTED GAME LINES PER CFISD STANDARDS.

CONFIRM FINAL LAYOUT PRIOR TO PAINTING. REPLACE VOLLEYBALL INSERTS.

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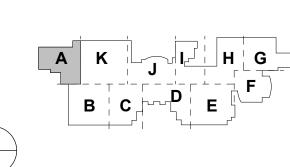
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REVISION HISTORY

1 ADDENDUM 02 REVISION DESCRIPTION PROFESSIONAL SEALS

CLIENT



12/20/2024

INDEPENDENT SCHOOL DISTRICT

2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

PROJECT NUMBER 33AC23221 **CHECKED BY**

ORIGINAL ISSUE

ISSUE FOR PROPOSALS **DECEMBER 09, 2024**

SHEET NAME

ARCHITECTURAL - INTERIOR FINISH PLAN - LEVEL 01 - AREA A

SHEET NUMBER AI-101-A

SEALED CONCRETE LVT-2 (ACCENT) CPT- MATCH EXISTING (AUDITORIUM) LVT-3 (ACCENT) LVT-4 (ACCENT) TIL-1 (FIELD) TIL-2 (ACCENT) TIL-3 (ACCENT) SPORTS FLOORING - 1 (FIELD) - 1" THICK

FINISH FLOOR LEGEND

CPT-2

(NIC)

NOT IN CONTRACT

REGUPOL AKTIVPRO - MEAN GREEN - 20% SPECKLED

SPORTS FLOORING - 2 (ACCENT) - 1" THICK REGUPOL AKTIVPRO - THUNDER GRAY SPORTS FLOORING - 3 (ACCENT CRASH ZONES) - 1" THICK

REGUPOL CRASH - CRASH BLACK

ARCHITECTURAL - INTERIOR FINISH PLAN - LEVEL 01 - AREA A

SCALE: 1/8" = 1'-0"





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KEYPLAN

A K J H G
B C F

REVISION HISTORY

1 ADDENDUM 02 12/20/2024
REVISION DESCRIPTION DATE



CLIENT

PROFESSIONAL SEALS



PROJECT
2024 CY RIDGE HS
RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

PROJECT NUMBER

33AC23221

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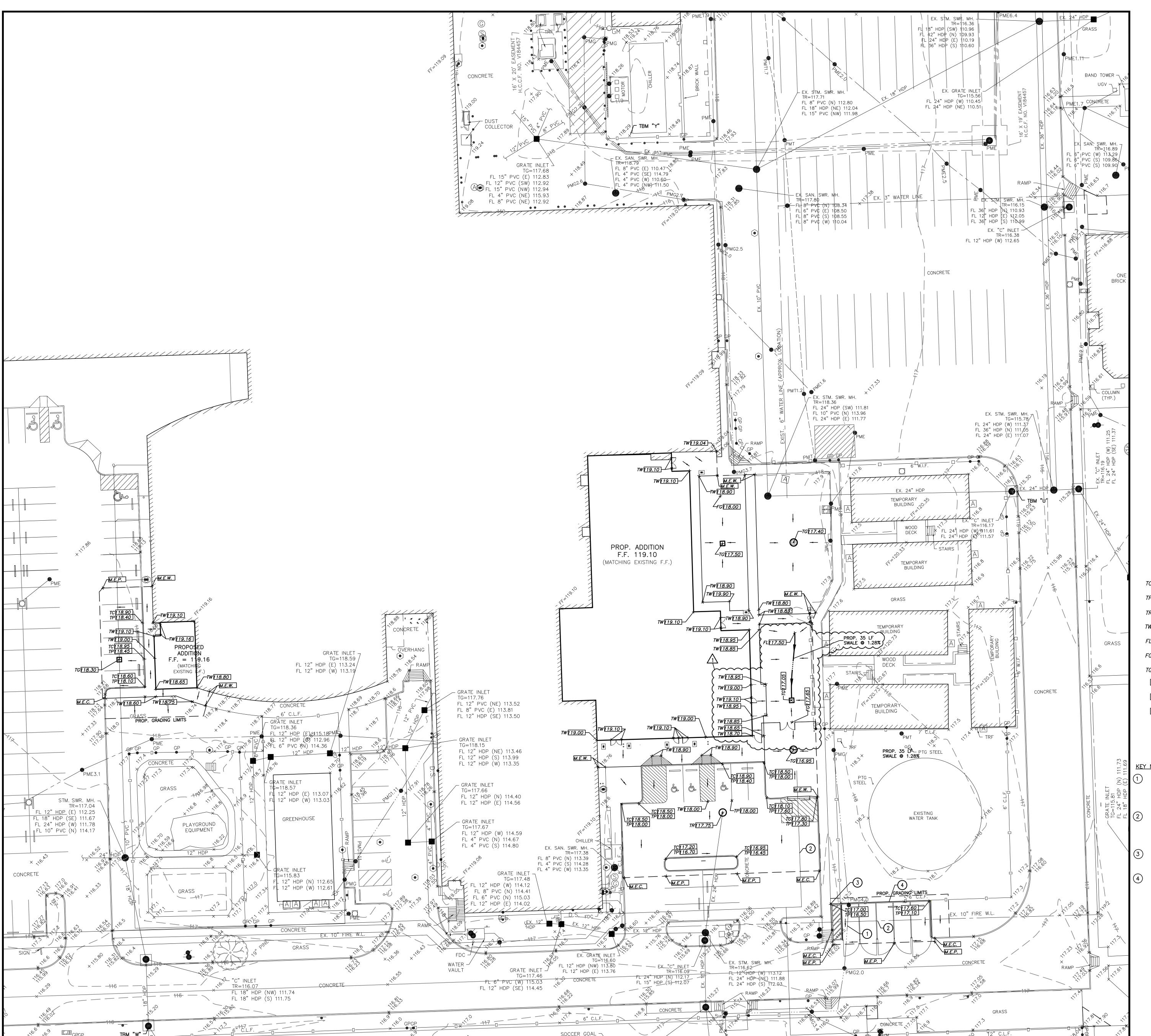
DECEMBER 09, 2024

SHEET NAME

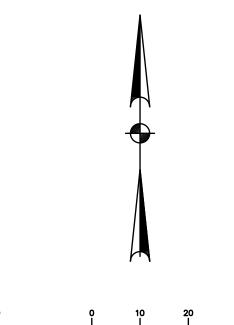
ARCHITECTURAL - INTERIOR FINISH PLAN - LEVEL 01 - AREA G

SHEET NUMBER

AI-101-G



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REFERENCE BENCHMARK:

RM050430 - ALUMINUM ROD WITH LOGO CAP STAMPED "RM050430" LOCATED ±28' WEST OF THE CENTERLINE OF WRIGHT ROAD AND ±10' SOUTH OF THE NORTHEAST CORNER OF 7607 WRIGHT ROAD IN THE WHITE OAK BAYOU WATERSHED IN KEY MAP 409J. ELEVATION = 109.84' (NAVD 88, 2001 ADJ.)TEMPORARY BENCHMARKS:

SCALE: 1"= 20'

±83' SOUTHWEST OF THE SOUTH CORNER OF THE SOFTBALL PRESS BOX. ELEVATION=116.38' TBM "T" - BOX CUT ON CONCRETE LOCATED

TBM "A1" - BOX CUT ON "C" INLET LOCATED

NORTH OF DUGOUT. ELEVATION=117.39' TBM "W" - BOX CUT ON "C" INLET LOCATED

±97' SOUTHWEST FROM THE SOUTHWEST

CORNER OF THE GREENHOUSE.

AT WEST ENTRANCE TO SOFTBALL FIELD ±40'

ELEVATION=116.14 TBM "Y" - BOX CUT ON CONCRETE LOCATED IN THE MECHANICAL AREA AT THE SOUTHWEST CORNER OF CHILLER.

TBM "R" - BOX CUT ON CORNER OF CONCRETE SIDEWALK LOCATED AT THE SOUTHEAST CORNER OF TENNIS COURTS. ELEVATION=117.89'

TBM "U" - BOX CUT ON "C" INLET LOCATED ±80' SOUTHWEST FROM THE SOUTHWEST CORNER OF CONCESSION STAND.

TBM "V" - BOX CUT ON MOST NORTHERLY LIGHT STANDARD LOCATED IN THE PARKING LOT WEST OF THE TEMPORARY BUILDINGS. ELEVATION=119.68'

FLOODPLAIN NOTE:

ELEVATION=116.18'

ELEVATION=119.30'

ACCORDING TO F.I.R.M. MAP NO. 48201C0440N (COMMUNITY-PANEL NO. 4802870440N), MAP REVISED DATE: NOVEMBER 15, 2019. THE SUBJECT PROPERTY LIES WITHIN THE AREA DESIGNATED AS ZONE "X" UNSHADED.
DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL

LEGEND:

	PROPOSED GRATE/CURB INLET
0	PROPOSED STORM SEWER MANHOL WITH GRATE TOP
TC 118.95	PROPOSED TOP OF CURB ELEV.
TP 119.45	PROPOSED TOP OF PAVEMENT ELE
TR 118.00	PROPOSED TOP OF RIM ELEV.
W <u>118.80</u>	PROPOSED TOP OF WALK ELEV.
-L[117.85]	PROPOSED FLOWLINE ELEV.
G <u>118.00</u>	PROPOSED FINISHED GRADE ELEV.
G <u>117.40</u>	PROPOSED TOP OF GRATE ELEV.
M.E.C.	MATCH EXIST. CURB & GUTTER
M.E.P.	MATCH EXIST. PAVEMENT
<i>M.E.W.</i>	MATCH EXIST. WALK

CONTRACTOR TO USE EXTREME CAUTION WORKING NEAR EXISTING GAS LINE. CONTRACTOR TO BE RESPONSIBLE TO REPAIR AND/OR REPLACE ANY DAMAGED DONE TO EXISTING GAS LINE DURING CONSTRUCTION.

DIRECTION OF FLOW

- CONTRACTOR TO MAKE NOTE OF EXISTING WATER LINE IN THE AREA. CONTRACTOR TO BE RESPONSIBLE TO REPAIR AND/OR REPLACE ANY DAMAGED DONE TO EXISTING WATER LINE DURING CONSTRUCTION.
- CONTRACTOR TO SET TOP OF CURB ELEVATION TO MATCH EXISTING SIDEWALK ELEVATION SO THAT PROPOSED CURB IS FLUSH WITH EXISTING SIDEWALK.
- (4) EXISTING FENCE TO REMAIN. CONTRACTOR TO CONSTRUCT PROPOSED CONCRETE CURB JUST SOUTH OF EXISTING FENCE. IN THE EVENT FENCE IS DAMAGED DURING CONSTRUCTION CONTRACTOR TO REPAIR AND/OR REPLACE EXISTING FENCE TO EXISTING CONDITIONS OR BETTER.



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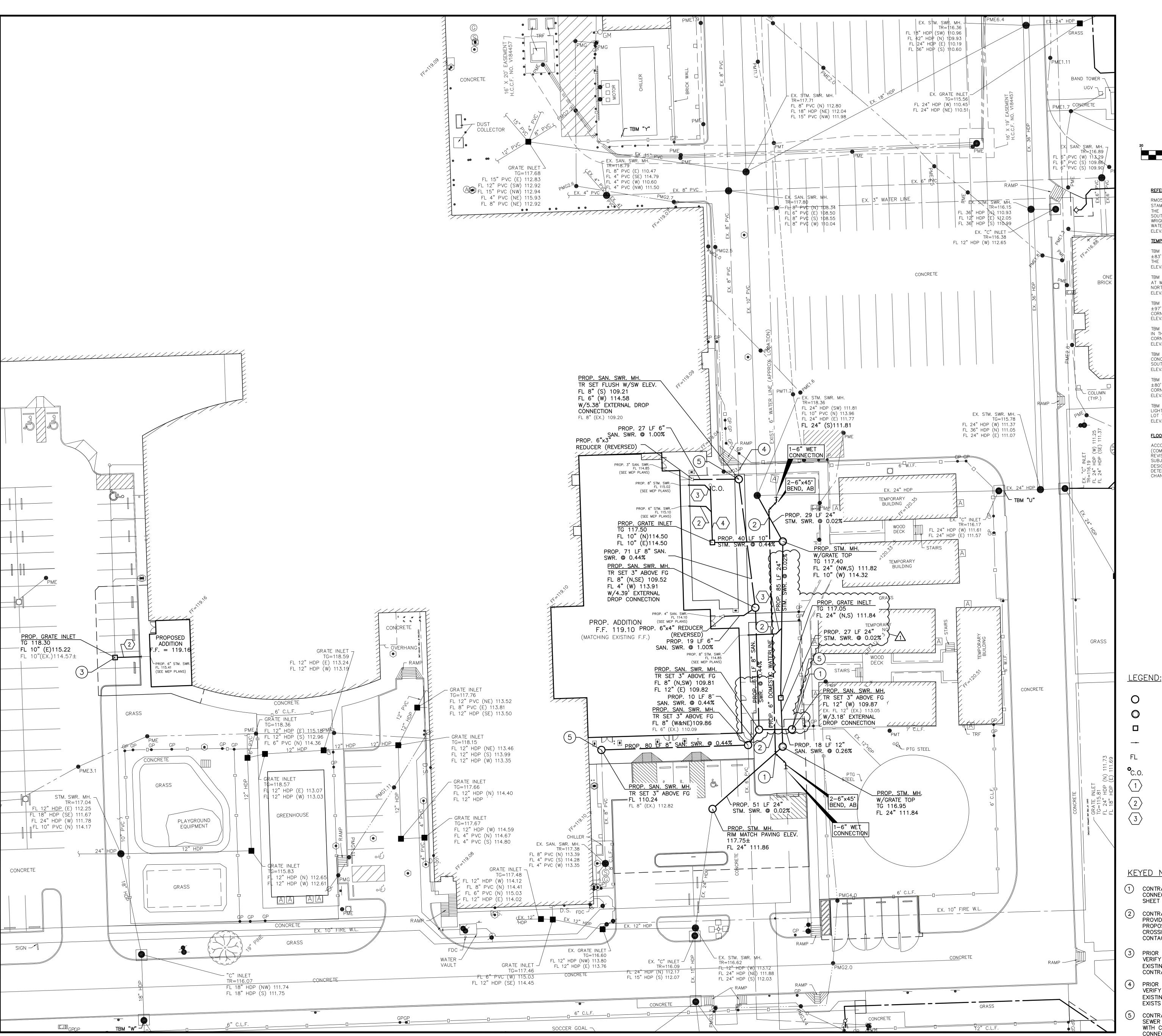
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PROJECT NUMBER 33AC23221

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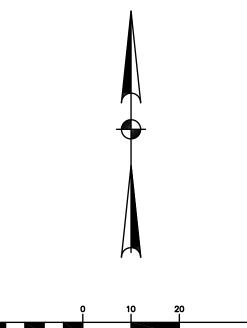
SHEET NAME GRADING PLAN

C2.01



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DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL

0	PROPOSED MANHOLE
lacksquare	PROPOSED MANHOLE W/GRATE TO
	PROPOSED GRATE/CURB INLET
	DIRECTION OF FLOW
ГІ	FLOW LINE

FLOW LINE PROPOSED CLEANOUT

PROP. 4" STM. SWR. @ 1.00% MIN.

PROP. 6" STM. SWR. @ 1.00% MIN. PROP. 8" STM. SWR. @ 1.00% MIN.

KEYED NOTES TO SHEET:

- 1 CONTRACTOR TO INSTALL 3.18' EXTERNAL DROP CONNECTION AT PROPOSED MANHOLE. SEE DETAIL SHEET C7.02.
- CONTRACTOR TO PROVIDE WATER LINE OFFSET TO PROVIDE A MINIMUM 1 FOOT CLEARANCE FROM PROPOSED STORM SEWER & SANITARY SEWER CROSSINGS. IF CONFLICT EXISTS CONTRACTOR TO CONTACT ENGINEER.
- (3) PRIOR TO CONSTRUCTION CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING 10" STORM SEWER. IF CONFLICT EXISTS CONTRACTOR TO CONTACT ENGINEER.
- PRIOR TO CONSTRUCTION CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING 8" SANITARY SEWER, IF CONFLICT EXISTS CONTRACTOR TO CONTACT ENGINEER.
- CONTRACTOR TO INSTALL PROPOSED SANITARY SEWER MANHOLE ON EXISTING SANITARY SEWER WITH CORED GASKET-ED WATER TIGHT CONNECTIONS.

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1\ ADDENDUM 02

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INDEPENDENT SCHOOL DISTRICT

2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041 PROJECT NUMBER 33AC23221

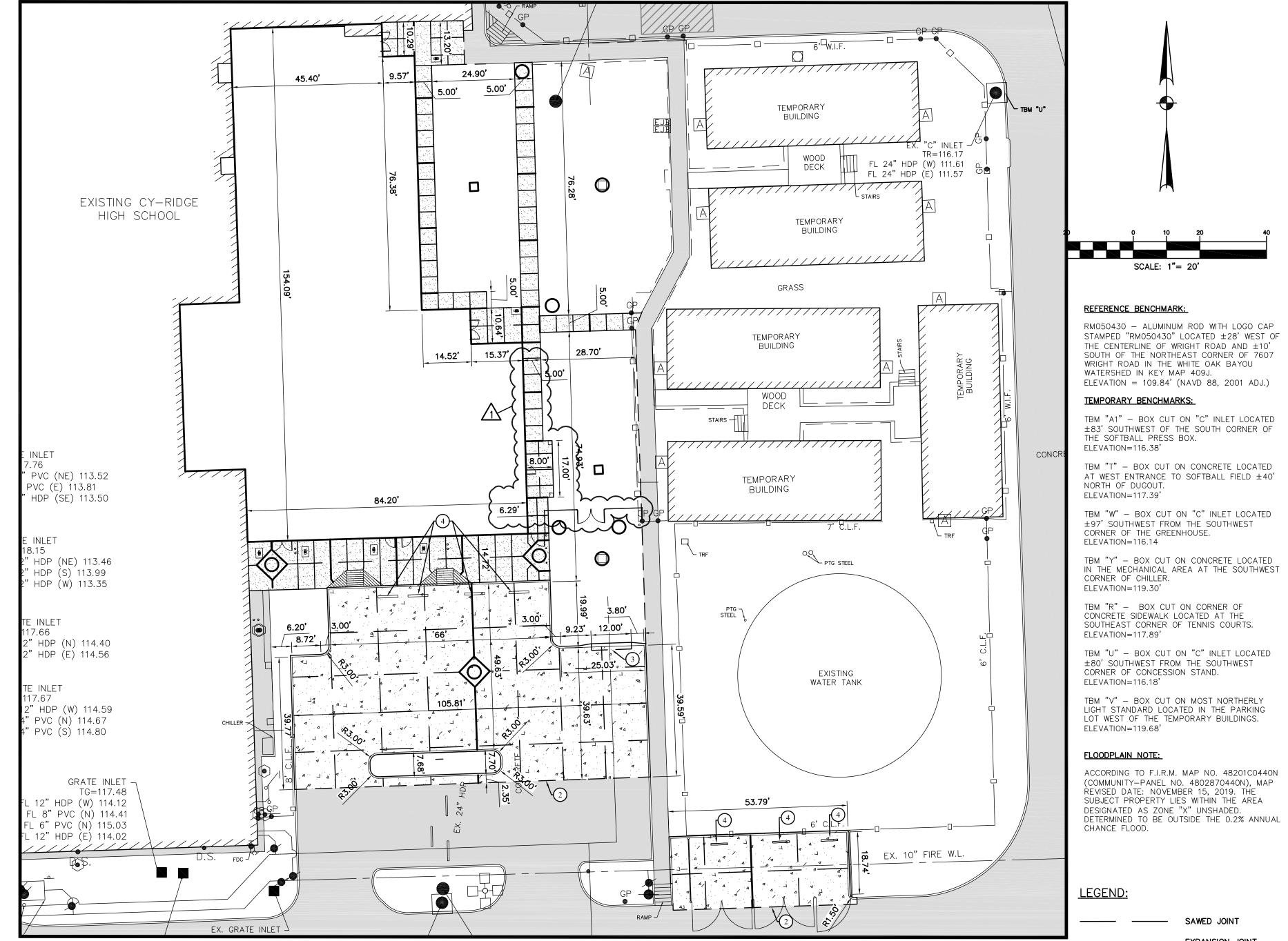
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DECEMBER 09, 2024

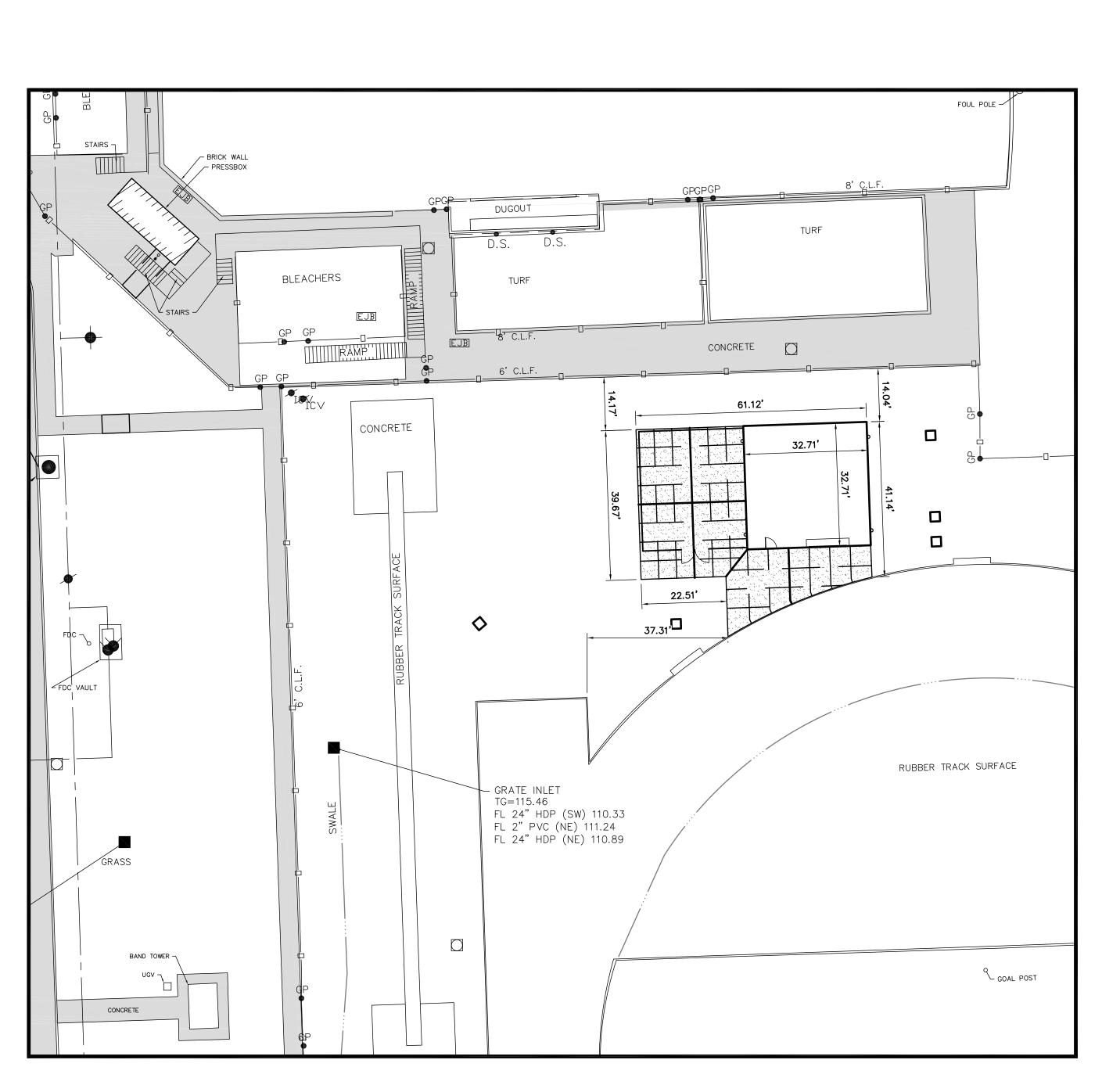
SHEET NAME **UTILITY PLAN** (SHEET 1 OF 3)

C3.01

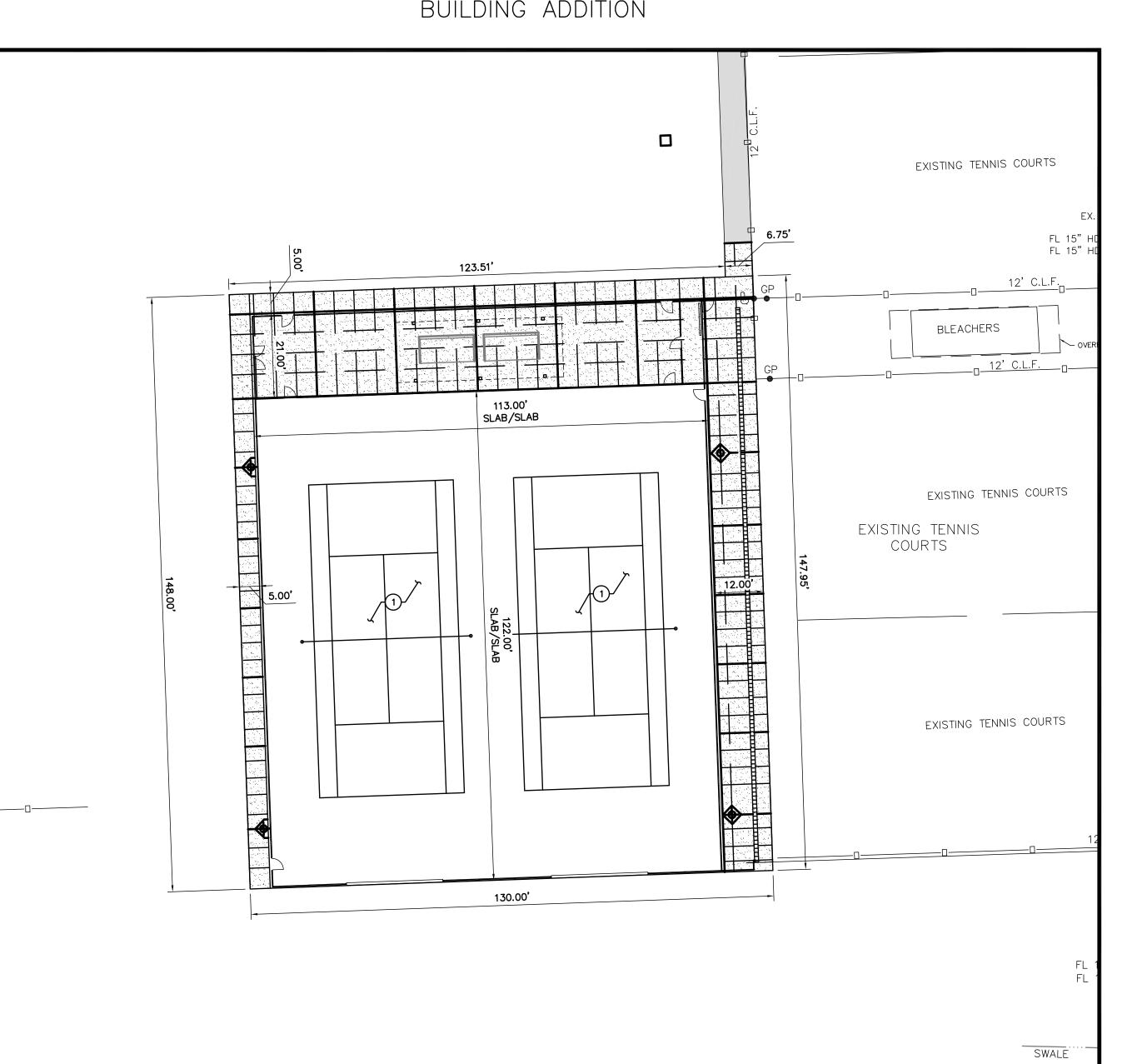
AUDITORIUM STORAGE ADDITION



BUILDING ADDITION



ATHLETIC STORAGE



NEW TENNIS COURTS



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PROFESSIONAL SEALS

PROP. 6" REINFORCED CONCRETE PAVEMENT PROP. 4 ½" CONCRETE SIDEWALK

AREA OF PROPOSED PAVEMENT AND SIDEWALK JOINT SEALANT REPLACEMENT.

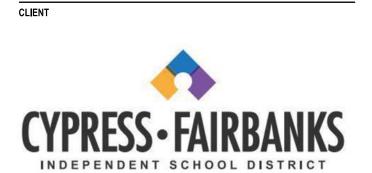
SCALE: 1"= 20'

- LOCATE EXPANSION JOINTS AS SHOWN. SAWED JOINTS SHALL BE SPACED EVENLY BETWEEN EXPANSION JOINTS AT 15' MAXIMUM SPACING.
- 2. ALL CURBS TO BE 6" UNLESS OTHERWISE NOTED.
- LINE UP JOINTS IN SIDEWALK W/ JOINTS IN PARKING LOT.

4. INSTALL EXPANSION JOINTS IN ALL DRIVEWAYS AT ROW LINE.

KEY NOTES:

- CONTRACTOR TO REFER TO STRUCTURAL PLANS FOR TENNIS COURT POST TENSION SLAB AND SPECTATOR AREA PAVEMENT SPECIFICATIONS AND DETAILS.
- 2 CONTRACTOR TO DRILL 9" INTO EXISTING PAVEMENT AND EMBED 18" LONG #5
 BAR (EPOXY IN PLACE) LEAVING 9"
 EXPOSING BAR TO FACILITATE CONNECTION TO PROPOSED PAVEMENT.
- ③ PROPOSED LAYDOWN CURB. CONTRACTOR TO REFER TO SHEET C701 FOR DETAILS.
- 4 PROPOSED WHEELSTOP. (SEE SEE SHEET C7.01 FOR DETAILS).



BROOKS & SPARKS, INC.

FRANK E. BROOKS

2024 CY RIDGE HS RENOVATION

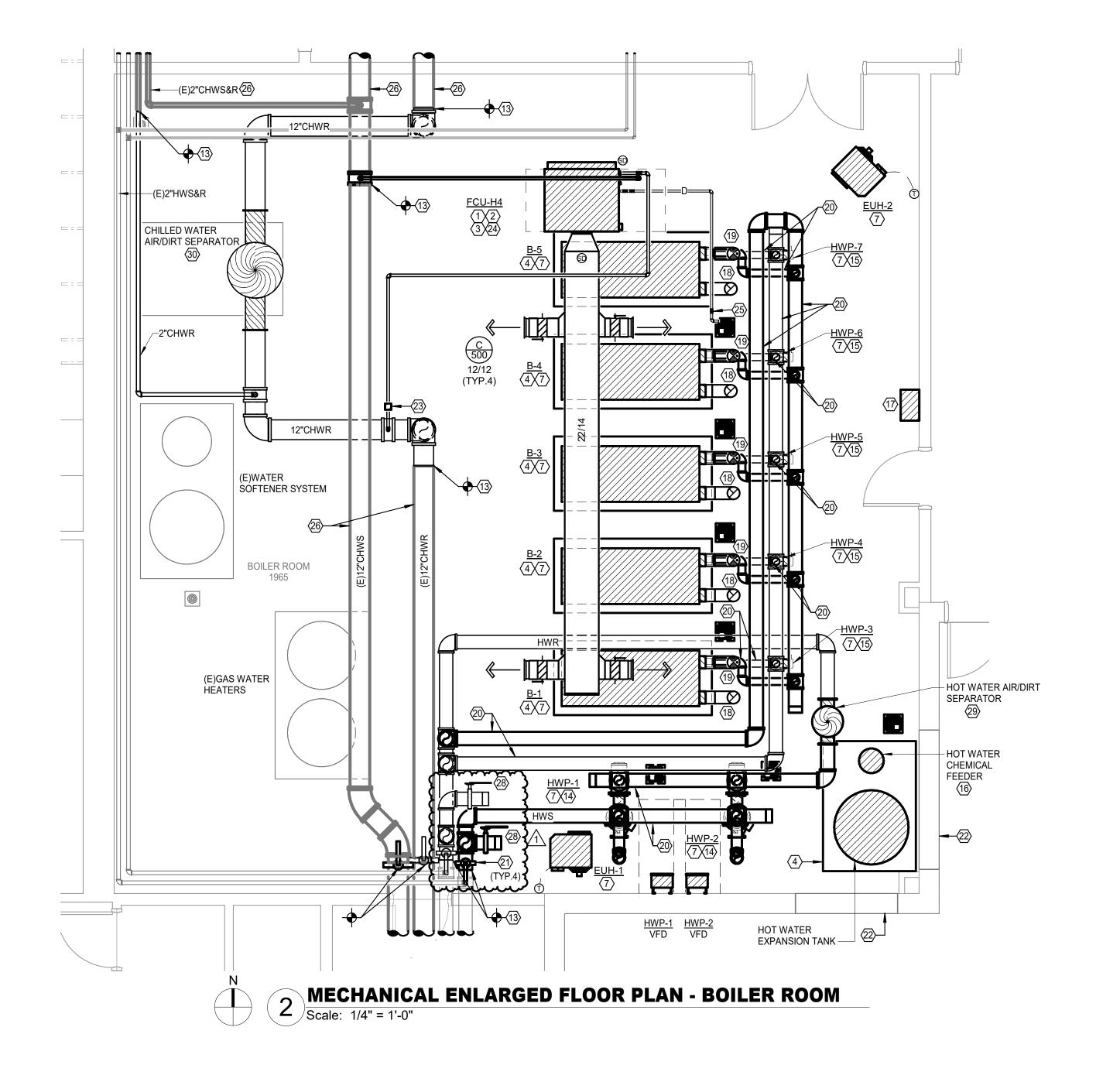
7900 North Eldridge Parkway Houston, TX 77041

PROJECT NUMBER

ISSUE FOR PROPOSALS DECEMBER 09, 2024

PAVING & JOINTING PLAN (SHEET 3 OF 3)

C5.03



10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064

Registration: F-4111 Project No: 2023-05942-00

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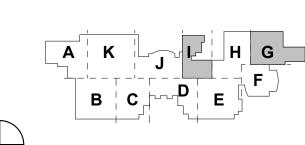
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LANDSCAPE/IRRIGATION KW Landscape Architects 6925 Portwest Drive Suite 100 Houston, TX 77024 346.509.5638

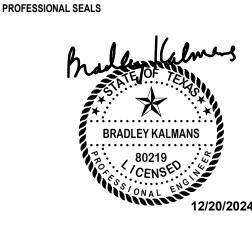




REVISION HISTORY

REVISION DESCRIPTION

1 ADDENDUM #2 12/20/2024





2024 CY RIDGE HS RENOVATION 7900 North Eldridge Parkway

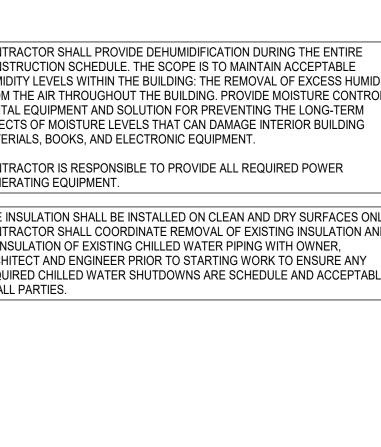
Houston, TX 77041

ORIGINAL ISSUE

ISSUE FOR PROPOSALS DECEMBER 09, 2024

MECHANICAL ENLARGED PLANS

SHEET NUMBER M-301



CONTRACTOR SHALL PROVIDE DEHUMIDIFICATION DURING THE ENTIRE

PIPE INSULATION SHALL BE INSTALLED ON CLEAN AND DRY SURFACES ONLY. CONTRACTOR SHALL COORDINATE REMOVAL OF EXISTING INSULATION AND RE-INSULATION OF EXISTING CHILLED WATER PIPING WITH OWNER. ARCHITECT AND ENGINEER PRIOR TO STARTING WORK TO ENSURE ANY REQUIRED CHILLED WATER SHUTDOWNS ARE SCHEDULE AND ACCEPTABLE

CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL REQUIRED POWER

TO ALL PARTIES.

CONSTRUCTION SCHEDULE. THE SCOPE IS TO MAINTAIN ACCEPTABLE HUMIDITY LEVELS WITHIN THE BUILDING: THE REMOVAL OF EXCESS HUMIDITY FROM THE AIR THROUGHOUT THE BUILDING. PROVIDE MOISTURE CONTROL RENTAL EQUIPMENT AND SOLUTION FOR PREVENTING THE LONG-TERM EFFECTS OF MOISTURE LEVELS THAT CAN DAMAGE INTERIOR BUILDING MATERIALS, BOOKS, AND ELECTRONIC EQUIPMENT.

GENERATING EQUIPMENT.

DIFFUSERS/GRILLES IN NEW CEILING AT EXISTING LOCATION. MECHANICAL KEYED NOTES

MECHANICAL GENERAL NOTES

ALL DUCTS ARE INSIDE CLEAR DIMENSIONS. INCREASE ACCORDINGLY WHERE

NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE

THERMOSTATS SHALL BE MOUNTED AT +48" AFF (ABOVE FINISHED FLOOR),

COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED

REINSTALL ALL EXISTING AIR DEVICES IN NEW CEILING WHERE APPLICABLE. AIR

DEVICES INCLUDE BUT NOT LIMITED TO: SUPPLY DIFFUSERS/GRILLES, RETURN

GRILLES AND DIFFUSERS AND ARCHITECT'S REFLECTED CEILING PLAN.

CONTRACTOR TO REINSTALL ALL SUPPLY, RETURN, AND EXHAUST

CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.

THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT

MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL

CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.

DIFFUSERS/GRILLES, AND EXHAUST DIFFUSERS/GRILLES.

INTERIOR LINER IS SHOWN OR SPECIFIED.

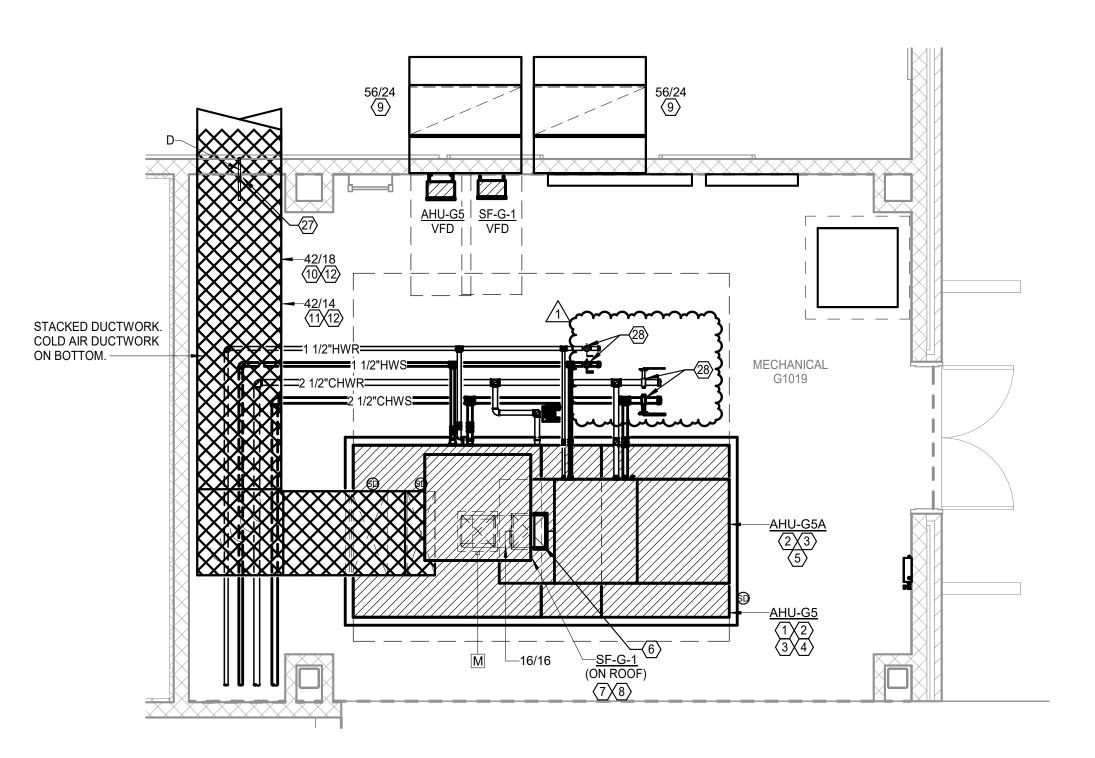
UNLESS OTHERWISE NOTED.

VERIFY SERVICE CLEARANCES FOR FAN SHAFT AND COIL REMOVAL WITH EQUIPMENT MANUFACTURER. COORDINATE WITH OTHER TRADES NOT TO

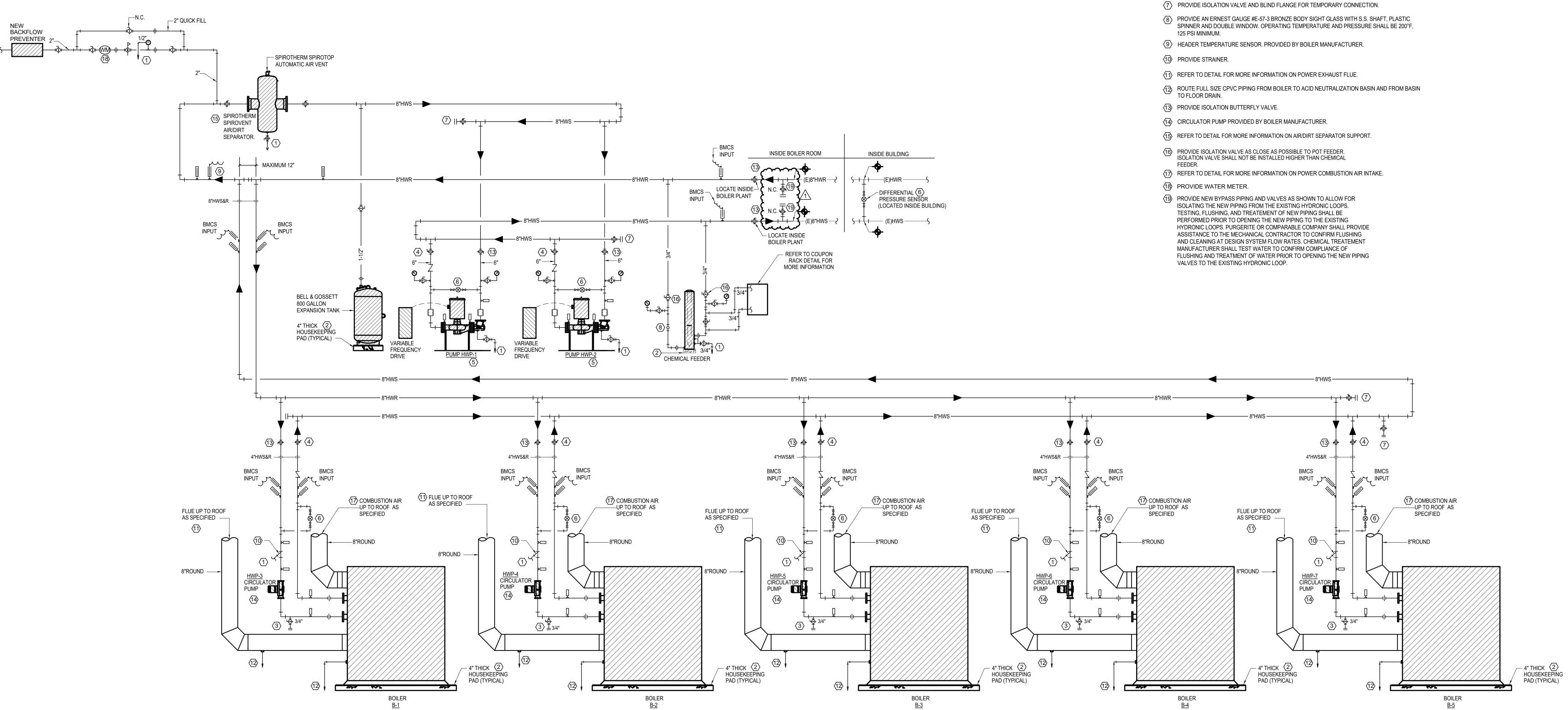
- OBSTRUCT. 2 VERIFY SERVICE CLEARANCES FOR AIR FILTER WITH EQUIPMENT MANUFACTURER. COORDINATE WITH OTHER TRADES NOT TO OBSTRUCT. 3 ROUTE FULL SIZE CONDENSATE DRAIN LINE TO FLOOR SINK. INSTALL TRAP PER MANUFACTURERS INSTALLATION INSTRUCTIONS. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION.
- 4 PROVIDE 4" CONCRETE HOUSEKEEPING PAD. 5 REFER TO AHU WITH SPLIT DEHUMIDIFICATION UNIT DETAIL.
- 6 PROVIDE MANUAL BALANCING (D-2) DAMPER IN VERTICAL. 7 VERIFY SERVICE CLEARANCES WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADE NOT TO OBSTRUCT.
- 8 ROUTE OUTSIDE AIR DUCTWORK UP TO SUPPLY FAN ON ROOF. TRANSITION DUCTWORK TO CONNECT TO FAN OPENING. 9 INTERNALLY LINED RETURN AIR PATH. PROVIDE DUCTWORK WITH AT LEAST TWO
- 10 COLD AIR DUCTWORK.
- 11 HOT AIR DUCTWORK. 12 HATCHED DUCTWORK SHALL BE INTERNALLY LINED. INTERNALLY LINED DUCTWORK SHALL BE THE FIRST 25 FEET OFF THE AIR HANDLING UNIT. REFER TO
- SPECIFICATIONS FOR MORE INFORMATION. 13 CONNECT TO EXISTING PIPING AS INDICATED. 14 PROVIDE NEW VERTICAL INLINE PUMP. REFER TO DETAILS. 15 CIRCULATOR PUMP PROVIDED BY BOILER MANUFACTURER.
- 16 PROVIDE CHEMICAL FEEDER SUPPORT. REFER TO DETAIL. 17 PROVIDE CARBON MONOXIDE MONITORING STATION. MOUNT ENCLOSURE AT 5'-0" AFF. INSTALL PER MANUFACTURER RECOMMENDATIONS. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
- 18 ROUTE BOILER FLUE UP THROUGH ROOF. INSTALL PER MANUFACTURER RECOMMENDATIONS. REFER TO DETAILS. BOILER FLUE SHALL TERMINATE 3'-0" VERTICALLY ABOVE COMBUSTION AIR INTAKE.
- 19 ROUTE COMBUSTION AIR INTAKE UP THROUGH ROOF. INSTALL PER MANUFACTURER RECOMMENDATIONS. REFER TO DETAILS. 20 REFER TO PIPING DIAGRAM FOR PIPE SIZES. 21 PROVIDE ISOLATION VALVE AT LOCATION SHOWN.
- 22 COVER/BLANK OFF EXISTING COMBUSTION AIR LOUVER. COVER SHALL BE AIR AND
- 23 PROVIDE PRESSURE REDUCING VALVE ON CHILLED WATER RETURN PIPE 24 SUSPEND UNIT WITH THREADED HANGER RODS ATTACHED TO UNISTRUT RUNNERS SECURED TO STRUCTURE. PROVIDE SPRING ISOLATION. REFER TO MANUFACTURER FOR MORE DETAILS.
- 25 ROUTE FULL SIZE CONDENSATE DRAIN LINE DOWN AT CORNER OF CONCRETE PAD. ROUTE TO FLOOR DRAIN AS INDICATED. REFER TO PLUMBING FOR EXACT LOCATION OF FLOOR DRAIN. 26 REINSULATE EXISTING CHILLED WATER SUPPLY AND RETURN PIPING IN ITS
- ENTIRETY. REFER TO SPECIFICATIONS FOR MORE INFORMATION. ROUTE FULL SIZE CONDENSATE DRAIN PIPE DOWN WALL TO FLOOR DRAIN. REFER TO PLUMBING FOR EXACT LOCATION OF FLOOR DRAIN.
- 28 PROVIDE NEW BYPASS PIPING AND VALVES AS SHOWN TO ALLOW FOR ISOLATING THE NEW PIPING FROM THE EXISTING HYDRONIC LOOPS. TESTING, FLUSHING, AND TREATEMENT OF NEW PIPING SHALL BE PERFORMED PRIOR TO OPENING THE NEW PIPING TO THE EXISTING HYDRONIC LOOPS. PURGERITE OR COMPARABLE COMPANY SHALL PROVIDE ASSISTANCE TO THE MECHANICAL CONTRACTOR TO CONFIRM FLUSHING AND CLEANING AT DESIGN SYSTEM FLOW RATES. CHEMICAL TREATEMENT MANUFACTURER SHALL TEST WATER TO CONFIRM COMPLIANCE OF

FOR SUPPORTING OF AIR/DIRT SEPARATOR.

FLUSHING AND TREATMENT OF WATER PRIOR TO OPENING THE NEW PIPING VALVES TO THE EXISTING HYDRONIC LOOP. 29 REFER TO DETAILS FOR SUPPORT AT AIR/DIRT SEPARATOR.
30 AIR/DIRT SEPARATOR SHALL BE SUPPORTED FROM GROUND. REFER TO MANUFACTURER FOR INSTALLATION INSTRUCTIONS. REFER TO MANUFACTURER



MECHANICAL ENLARGED FLOOR PLAN - MECHANICAL 1019



CONDENSING BOILERS

HOT WATER PIPING DIAGRAM

HOT WATER KEYED NOTES

(1) ROUTE FULL SIZE TYPE "L" COPPER DRAIN LINE TO

NEAREST FLOOR DRAIN. PROVIDE 4" CONCRETE HOUSEKEEPING PAD.

PROVIDE DRAIN BALL VALVE WITH HOSE THREAD ADAPTER.

4 BALANCING VALVE TO BE PROVIDED WITH INFINITE POSITION CRANK

OR MEMORY STOP FOR BALANCING SERVICE.

5 PROVIDE VERTICAL INLINE PUMP. REFER TO DETAILS. 6 PROVIDE DIFFERENTIAL PRESSURE SWITCH.

Salas O'Brien.

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KEYPLAN

REVISION HISTORY

12/20/2024 DATE

1 ADDENDUM #2 REVISION DESCRIPTION PROFESSIONAL SEALS





2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

ORIGINAL ISSUE

ISSUE FOR PROPOSALS

DECEMBER 09, 2024

SHEET NAME MECHANICAL PIPING DIAGRAM - HOT WATER

mmm —

0.414

0.414

REMARKS

MINIMUM MINIMUM

KW/TON NPLV

0.639

0.639

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REVISION HISTORY

1 ADDENDUM #2

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PROFESSIONAL SEALS

12/20/2024

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DUAL DUCT AID HANDLING HAIT

EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT

| GPM | PNLOCOLI

PIPE SIZE

REMARKS

(1,2,3,4,5,6,7)

(1,2,3,4,5,6,7)

TO COIL (IN.)

CHILLED

PRESSURE WATER

CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

CHILLED WATER FAN/COIL UNIT

ENTERING ENTERING CAPACITY

DRY BULB | WET BULB | (BTUH)

AIR TEMPERATURE (°F) MIN. TOTAL | SENSIBLE

56,654

56,654

CAPACITY ENTERING

(BTHU)

47,520

47,520

TEMP(°F)

- REMARKS:

 1. VELOCITY NOT TO EXCEED 500 FPM ON COOLING COIL.
- PROVIDE HORIZONTAL UNIT. . PROVIDE CONSTANT VOLUME UNIT.

GENERAL NOTES:

SUPPLY OUTSIDE

AIR CFM | AIR CFM

4. PROVIDE WITH LOW VELOCITY ANGLED FILTER SECTION. 5. PROVIDE A WATER LEVEL SENSING DEVICE IN PRIMARY DRAIN PAN. THIS DEVICE SHALL SHUT OFF UNIT IN THE EVENT THE PRIMARY DRAIN PAN LINE BECOMES RESTRICTED. SUSPEND UNIT WITH FOUR THREADED HANGER RODS ATTACHED TO TWO UNISTRUT RUNNERS SECURED TO STRUCTURE, PROVIDE SPRING ISOLATION.

60 62.5

PROVIDE 2-WAY COOLING CONTROL VALVES.

	ENTERING	LEAVING		AMBIENT		CL	JRRE	NT	
MARK	WATER TEMP.(°F)	WATER TEMP.(°F)	GPM	WET BULB TEMP. (°F)	FAN HP	V	Р	F	REMARKS
CT-1	96.0	86	1,950.0	80	50	480	3	60	(1,2,3,4)
CT-2	96.0	86	1,950.0	80	50	480	3	60	(1,2,3,4)
CT-3	96.0	86	1,950.0	80	50	480	3	60	(1,2,3,4)

EXT.STATIC HORSE

PRESSURE POWE

	COOL	ING TOW	ER - COU	NTERF	LOW	- 2	CE	LL	
VG	ENTERING WATER TEMP.(°F)	LEAVING WATER TEMP.(°F)	GPM	AMBIENT WET BULB TEMP. (°F)	FAN HP	CL V	JRREI P	NT F	REMARKS
CT-1	96.0	86	2,925.0	80	75	480	3	60	(1,2,3,4)
CT-2	96.0	86	2,925.0	80	75	480	3	60	(1,2,3,4)

PROVIDE WITH VARIABLE FREQUENCY DRIVE. . STAINLESS STEEL CONSTRUCTION. MOTOR SHALL BE OUT OF WATER STREAM.

3. MOTOR SHALL BE OUT OF WATER STREAM.

I. PROVIDE WITH LADDERS AND PLATFORMS.

	A	IR COO	LED CO	ONDENS	SING	U	NIT		
MARK	MIN. TOTAL CAPACITY	OUTDOOR AIR	MINIMUM EER/	NOM. HEAT CAPACITY	CURR	ENT (CHAR.	RELATED UNIT	DEMARKS
IVIARN	(BTUH)	TEMP (°F)	SEER2	(BTUH)	V	Р	F	MARK	REMARKS
DMSCU-1	24,000	95	-/21	NO HEATING	208	1	60	DMS-1	(1,2,3)
DMSCU-2	18,000	95	-/20	NO HEATING	208	1	60	DMS-2	(1,2,3)
DMSCU-3	18,000	95	-/20	NO HEATING	208	1	60	DMS-3	(1,2,3)
DMSCU-4	18,000	95	-/20	NO HEATING	208	1	60	DMS-4	(1,2,3)
DMSCU-5	18,000	95	-/20	NO HEATING	208	1	60	DMS-5	(1,2,3)
DMSCU-6	18,000	95	-/20	NO HEATING	208	1	60	DMS-6	(1,2,3)
DMSCU-7	18,000	95	-/20	NO HEATING	208	1	60	DMS-7	(1,2,3)
DMSCU-8	18,000	95	-/20	NO HEATING	208	1	60	DMS-8	(1,2,3)
DMSCU-9	18,000	95	-/20	NO HEATING	208	1	60	DMS-9	(1,2,3)
DMSCU-10	18,000	95	-/20	NO HEATING	208	1	60	DMS-10	(1,2,3)
DMSCU-11	18,000	95	-/20	NO HEATING	208	1	60	DMS-11	(1,2,3)
DMSCU-12	18,000	95	-/20	NO HEATING	208	1	60	DMS-12	(1,2,3)
DMSCU-13	18,000	95	-/20	NO HEATING	208	1	60	DMS-13	(1,2,3)
DMSCU-14	18,000	95	-/20	NO HEATING	208	1	60	DMS-14	(1,2,3)
DMSCU-15	18,000	95	-/20	NO HEATING	208	1	60	DMS-15	(1,2,3)
DMSCU-16	18,000	95	-/21	19000.0	208	1	60	DMS-16	(1,2,3,4)
DMSCU-17	18,000	95	-/21	19000.0	208	1	60	DMS-17	(1,2,3,4)
	1	1	1	1					1

DMSCU-18 18,000 95 -/21 19000.0 208 1 60 DMS-18 (1,2,3,4) A. MINIMUM RECOMMENDEDLD CLEARANCE AROUND UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE FOR

CONDENSER AIR FLOW AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM

CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE,

MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:

1. PROVIDE WITH LOW AMBIENT CONTROL DOWN TO 20°F. 2. PROVIDE WITH DISCONNECT SWITCH.

. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS. 4. HEAT PUMP SHALL HAVE A MINIMUM HSPF2 OF 8.2.

											DU	AL DU	CT AIR	HAN	IDLING (JNIT								
				FAN								COOLING						HEATIN	G			PIPE SIZE T	O COIL (IN.)	
				EXT. STATIC		С	URREN	Т		AIR TEMPER	RATURE (°F)			WATER	2		ENTERING AIR	MIN.		WATE	R			
	MARK	SUPPLY AIR CFM	OUTSIDE AIR CFM	PRESSURE (IN. W.C)	HORSE POWER	V	PH	F	ENTERING DRY BULB	ENTERING WET BULB		LEAVING	ENTERIN G TEMP (°F)	GPM	MAX. PRESSURE DROP (IN.)	HEATING CFM	TEMPERATURE (°F)	HEATING CAPACITY	ENTERIN G TEMP. (°F)	GPM	MAX. PRESSURE DROP (IN.)	CHILLED WATER	HOT WATER	REMARKS
	AHU-G5	9,220	1,910	2.50	10.0	480	3	60	75.0	62.5	53.0	52.5	45	33.0	15.0	7,395	68.0	215,084	180.0	14.4	10	2"	1 1/2"	(1,2,4,5,6,7,8,9,10,13)
-	AHU-G5A	1,910	1,910						98.0	80.0	53.0	52.5	45	23.4			27.0	57,758	180.0	3.9		2"	1"	(3,4,6,7,11,12)
+	GENERAL NO	TES:																						

- 1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.
- 1. HORIZONTAL BLOW THROUGH DUAL DUCT UNIT. 2. VELOCITY NOT TO EXCEED 500 FPM ON COOLING COIL
- 3. VELOCITY NOT TO EXCEED 450 FPM ON COOLING COIL. 4. PROVIDE LOW VELOCITY ANGLED FILTER SECTION.
- 5. PROVIDE VARIABLE FREQUENCY DRIVE. 6. PROVIDE 2-WAY COOLING CONTROL VALVES.
- 7. PROVIDE 2-WAY HEATING CONTROL VALVES. 8. PROVIDE UNIT WITH TOP DISCHARGE FOR COLD DECK.
- 9. PROVIDE UNIT WITH TOP DISCHARGE FOR HOT DECK. 10. PROVIDE HOT WATER COIL IN REHEAT POSITION.
- 11. PROVIDE HOT WATER COIL IN PRE-HEAT POSITION.
- 12. UNIT INDICATED SHALL BE STACKED OAU FURNISHED WITH ASSOCIATED AHU (LISTED ABOVE). UNIT INCLUDES ANGLED FILTER MIXING BOX, PREHEAT COIL, ACCESS SPACE, COOLING COIL, AND DISCHARGE PLENUM. UNIT DOES NOT HAVE FAN SECTION. SPLIT DEHUMIDIFICATION UNIT SHALL DELIVER OUTSIDE AIR TO MIXING BOX SECTION OF MAIN AIR HANDLING UNIT UPSTREAM OF COIL. 13. PROVIDE WITH DIRECT DRIVE FAN. REFER TO SPECIFICATIONS.

ACTUAL

(TONS)

REQURIED BY IECC 2015.

MARK CAPACITY LEAVING

(FF=0.0001)

CHILLERS SHALL MEET OR EXCEED CAPACITY AT SCHEDULED WATER TEMPERATURES.

WATER

TEMP.(°F)

				E	30IL	ER -	FORCED	AIR					
		MINIMUM		PRESSURE			ELEC	TRICAL					
MARK	TYPE	GAS INPUT	MINIMUM HEAT OUTPUT (MBH)	DROP	GPM	FLUE SIZE	BLOWER	CU	RRE	VΤ	MANUFACTURER	MODEL NUMBER	REMARKS
		(MBH)	COTT OT (MDIT)	(FT.H20)		OIZL	HORSEPOWER	V	Р	F			
B-1	CONDENSING	3000.0	2904.0	10.0	194.0	10	1	208	3	60	RBI	FLEXCORE 3000	(1,2)
B-2	CONDENSING	3000.0	2904.0	10.0	194.0	10	1	208	3	60	RBI	FLEXCORE 3000	(1,2)
B-3	CONDENSING	3000.0	2904.0	10.0	194.0	10	1	208	3	60	RBI	FLEXCORE 3000	(1,2)
B-4	CONDENSING	3000.0	2904.0	10.0	194.0	10	1	208	3	60	RBI	FLEXCORE 3000	(1,2)
B-5	CONDENSING	3000.0	2904.0	10.0	194.0	10	1	208	3	60	RBI	FLEXCORE 3000	(1,2)
051155	NAL NIGHTEO												

. PROVIDE 8 OUNCE GAS PRESSURE TO BOILER. MAINTAIN MINIMUM CLEARANCE AROUND A BOILER OF 24 INCHES PER TEXAS BOILER LAW. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN

ACCESS AND CONTROL DOORS FOR SERVICE, MAINTENANCE AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCES AS REQUIRED BY NEC. REMARKS:

1. PROVIDE WITH CIRCULATING PUMP, SIZED BY BOILER MANUFACTURER TO ENSURE CONSTANT FLOW THROUGH BOILER. PUMP TO BE SHIPPED LOOSE.

POWER BY ELECTRICAL CONTRACTOR BUT CONTROLLED BY BOILER. CONTRACTOR TO WIRE FROM BOILER PUMP CONTROL CIRCUIT TO PUMP STARTER

2. PROVIDE SEALED COMBUSTION BOILER.

)U(CTLI	ESS MII	NI-SPLI	T - INDO	OR UNIT				
			FAN					AIR TEMPE	RATURE (°F)		COOLING		HEA	TING	
MARK	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	HORSE POWER (WATTS		URRE HARA P		ENTERING DRY BULB	ENTERING WET BULB	MIN. TOTAL CAPACITY (BTUH)	MIN. SENS. CAPACITY (BTUH)	MINIMUM EER/ SEER2	ENTERING AIR TEMP.(°F)	MINIMUM CAPACITY (BTUH)	REMARKS
DMS-1	775	0	0.10	86.0	208	1	60	75.0	62.5	24,000	19,200	-/21	NO H	EATING	(1,2,3,4,5)
DMS-2	450	0	0.10	46.0	208	1	60	75.0	62.5	18,000	14,400	-/20	NO H	EATING	(1,2,3,4)
DMS-3	450	0	0.10	46.0	208	1	60	75.0	62.5	18,000	14,400	-/20	NO H	EATING	(1,2,3,4)
DMS-4	450	0	0.10	46.0	208	1	60	75.0	62.5	18,000	14,400	-/20	NO H	EATING	(1,2,3,4,5)
DMS-5	450	0	0.10	46.0	208	1	60	75.0	62.5	18,000	14,400	-/20	NO H	EATING	(1,2,3,4,5)
DMS-6	450	0	0.10	46.0	208	1	60	75.0	62.5	18,000	14,400	-/20	NO H	EATING	(1,2,3,4)
DMS-7	450	0	0.10	46.0	208	1	60	75.0	62.5	18,000	14,400	-/20	NO H	EATING	(1,2,3,4,5)
DMS-8	450	0	0.10	46.0	208	1	60	75.0	62.5	18,000	14,400	-/20	NO H	EATING	(1,2,3,4)
DMS-9	450	0	0.10	46.0	208	1	60	75.0	62.5	18,000	14,400	-/20	NO H	EATING	(1,2,3,4,5)
DMS-10	450	0	0.10	46.0	208	1	60	75.0	62.5	18,000	14,400	-/20	NO H	EATING	(1,2,3,4)
DMS-11	450	0	0.10	46.0	208	1	60	75.0	62.5	18,000	14,400	-/20	NO H	EATING	(1,2,3,4)
DMS-12	450	0	0.10	46.0	208	1	60	75.0	62.5	18,000	14,400	-/20	NO H	EATING	(1,2,3,4)
DMS-13	450	0	0.10	46.0	208	1	60	75.0	62.5	18,000	14,400	-/20	NO H	EATING	(1,2,3,4,5)
DMS-14	450	0	0.10	46.0	208	1	60	75.0	62.5	18,000	14,400	-/20	NO H	EATING	(1,2,3,4,5)
DMS-15	450	0	0.10	46.0	208	1	60	75.0	62.5	18,000	14,400	-/20	NO H	EATING	(1,2,3,4)
DMS-16	440	0	0.10	50.0	208	1	60	75.0	62.5	18,000	14,400	-/21	70	19,000	(1,2,3,4,5)
DMS-17	440	0	0.10	50.0	208	1	60	75.0	62.5	18,000	14,400	-/21	70	19,000	(1,2,3,4,5)
DMS-18	440	0	0.10	50.0	208	1	60	75.0	62.5	18,000	14,400	-/21	70	19,000	(1,2,3,4,5)

EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN. . MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

. CONTROLLED BY PROGRAMMABLE WIRED THERMOSTAT. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.

. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT. 5. PROVIDE WITH LITTLE GIANT CONDENSATE PUMP MODEL 554652 VCMA-20ULS-C-PRO, 1/30 HP, 115V/1PH/60HZ.

					PUMI)						
TAG	SERVICE	TYPE	GPM	HEAD (FT.)	MOTOR HORSE POWER	MAX. RPM		JRREI HARA		MANUFACTURER	MODEL NUMBER	REMARKS
PCHP-1	CHILLED WATER	VERTICAL INLINE	975.0	50	25	1800	480	3	60	ARMSTRONG	4300	(1,2,4)
PCHP-2	CHILLED WATER	VERTICAL INLINE	975.0	50	25	1800	480	3	60	ARMSTRONG	4300	(1,2,4)
PCHP-3	CHILLED WATER	VERTICAL INLINE	975.0	50	25	1800	480	3	60	ARMSTRONG	4300	(1,2,4)
SCHP-1	CHILLED WATER	VERTICAL INLINE	1,500.0	150	100	1800	480	3	60	ARMSTRONG	4300	(1,2,4)
SCHP-2	CHILLED WATER	VERTICAL INLINE	1,500.0	150	100	1800	480	3	60	ARMSTRONG	4300	(1,2,4)
CWP-1	CONDENSING WATER	VERTICAL TURBINE	1,950.0	95	75	1800	480	3	60	TACO	VT	(1,5)
CWP-2	CONDENSING WATER	VERTICAL TURBINE	1,950.0	95	75	1800	480	3	60	TACO	VT	(1,5)
CWP-3	CONDENSING WATER	VERTICAL TURBINE	1,950.0	95	75	1800	480	3	60	TACO	VT	(1,5)
HWP-1		VERTICAL						3		1		<u> </u>
11001 -1	HOT WATER	INLINE	485.0	140	40	1800	480	3	60	ARMSTRONG	4300	(1,2,4)
HWP-2	HOT WATER	VERTICAL INLINE	485.0	140	40	1800	480	3	60	ARMSTRONG	4300	(1,2,4)
HWP-3	HOT WATER	INLINE CIRCULATOR	194.0	25	3	1800	480	3	60	ARMSTRONG	4300	(3,4)
HWP-4	HOT WATER	INLINE CIRCULATOR	194.0	25	3	1800	480	3	60	ARMSTRONG	4300	(3,4)
HWP-5	HOT WATER	INLINE CIRCULATOR	194.0	25	3	1800	480	3	60	ARMSTRONG	4300	(3,4)
HWP-6	HOT WATER	INLINE CIRCULATOR	194.0	25	3	1800	480	3	60	ARMSTRONG	4300	(3,4)
HWP-7	HOT WATER	INLINE CIRCULATOR	194.0	25	3	1800	480	3	60	ARMSTRONG	4300	(3,4)

WATER COOLED CHILLER

GPM

1,950

1,950

PRESSURE

DROP (FT.)

20.0

(FF=0.00025)

PRESSURE -

PROVIDE WITH VARIABLE EREQUENCY OR WE

DROP (FT.) ENTERING

WATER

TEMP.(°F)

CHILLER SHALL MEET OR EXCEED BOTH ABOVE SCHEDULED FULL-LOAD AND PART-LOAD DESIGN EFFICIENCIES. AND MINIMUM

AHRI STANDARDIZED FULL-LOAD AND PART-LOAD EFFICIENCIES INDICATED IN IECC 2015. COMPLY BY PATH A OR BY PATH B AS

GENERAL NOTES:

1. PUMP IS TO HAVE A NON-OVERLOADING MOTOR.

2. MINIMUM RECOMMENDED CLEARANCE AROUND A PUMP IS 24 INCHES. MAINTAIN MINIMUM CLEARANCES AS REQUIRED FOR SERVICE, MAINTENANCE, AND INSPECTION.

. PROVIDE WITH VARIABLE FREQUENCY DRIVE. 2. PROVIDE SUCTION DIFFUSER AT PUMP INLET.

N/A - NOT APPLICABLE

3. PUMP SHALL BE SELECTED BY BOILER MANUFACTURER, WITH DISCONNECT AND STARTER BY ELECTRICAL CONTRACTOR AND CONTROLLED BY

PROVIDE WITH GAUGE TAPPINGS. 5. PROVIDE PUMP MOTOR WITH INTERNAL HEATER FOR PREVENTION OF CONDENSATION.

	DAMPER								
MARK	ACTUATOR	DUTY	BLADE ACTION	 MANUFACTURER 	MODEL NUMBER	REMARKS			
D-1	MANUAL BALANCING	UNDER 9" WIDE	N/A	N/A	N/A	SEE SMACNA CONSTRUCTION DETAILS REFERENCED "TYPICAL CONSTRUCTION DETAILS FOR LOW VELOCITY DUCTS."			
D-2	MANUAL BALANCING	OVER 9" WIDE	OPPOSED	RUSKIN	MD-35	MANUAL DAMPER WITH STANDARD CONSTRUCTION FEATURES ANDVENTLOCK #639 LOCKING REGULATOR			
D-3	MOTORIZED	OVER 9" WIDE	OPPOSED	RUSKIN	CD-60	LOW LEAKAGE DAMPER WITH BLADE SEALS			
NOTES:									

	DUCT ATTENUATORS										
		DUCT DIM	IENSIONS		DUCT			MODEL			
MARK	CFM	WIDTH	HEIGHT	LOCATION	VELOCITY (FPM)	LENGTH	MANUFACTURER	NUMBER	REMARKS		
SA-1	350	8"	10" CORR. 1003 670 36" VIBRO - ACOUSTICS RFL-MV-F8 -								

- MAXIMUM STATIC PRESSURE DROP OF AIR THROUGH THE SILENCERS SHALL NOT EXCEED 0.35" W.G. ESP. . PROVIDE WITH GALVANIZED, LOCKFORMED CASING CONSTRUCTED TO SMACNA STANDARDS. AIRTIGHT CONSTRUCTION SHALL BE ACHIEVED BY USE OF A DUCT-SEALING COMPOUND SUPPLIED AND INSTALLED BY THE CONTRACTOR AT THE JOBSITE. 3. PROVIDE WITH 2" SLIP CONNECTION AT EACH END.
- 4. PROVIDE WITH GALVANIZED NOSE AT INLET.
- . PROVIDE WITH GALVANIZED GAP PLATES BETWEEN SPLITTERS TO ENSURE CLOSE DIMENSIONAL TOLERANCES AT AIR
- . PROVIDE WITH PERFORATED GALVANIZED SPLITTERS COMPLETE WITH PERFORATED DIFFUSER TAIL SECTIONS. 7. SPLITTERS FILLED WITH ACOUSTIC GRADE GLASS FIBER UNDER MINIMUM 15% COMPRESSION.

8. SILENCERS SHALL BE LOCATED AS CLOSE TO NOISE GENERATING EQUIPMENT AS POSSIBLE WITH 3 EQUIVALENT DUCT
DIAMETERS OF STRAIGHT, UNOBSTRUCTED DUCTWORK ON INLET AND DISCHARGE SIDE OF SILENCER.
9. SILENCERS SHALL NOT FAIL STRUCTURALLY WHEN SUBJECTED TO A DIFFERENTIAL AIR PRESSURE OF 8" W.G.
10. SILENCER INLET AND OUTLET CONNECTION DIMENSIONS MUST BE EQUAL TO THE DUCT SIZES SHOWN ON THE DRAWINGS.
REMARKS:
1. N/A

		COOLI	NG	HEA	TING	
MARK	CF	FM	INLET	MAXIMUM	INLET	REMARKS
W/ U CI C	MAX.	MIN.	DIAMETER SIZE (IN.)	CFM	DIAMETER SIZE (IN.)	TALIWI WATER
DDB-G5-1	530	135	8	425	8	(1)
DDB-G5-2	1,240	310	12	995	10	(1)
DDB-G5-3	630	165	8	505	8	(1)
DDB-G5-4	1,440	360	12	1,155	12	(1)
DDB-G5-5	535	135	8	430	8	(1)
DDB-G5-6	965	240	10	775	10	(1)
DDB-G5-7	350	90	6	280	6	(1)
DDB-G5-8	1,250	315	12	1,000	10	(1)
DDB-G5-9	1,020	255	10	820	10	(1)
DDB-G5-10	1,260	315	12	1,010	10	(1)
AHU-G5	9,220			7,395		

. MAXIMUM STATIC PRESSURE DROP OF AIR THROUGH THE TERMINAL BOX SHALL BE 0.2" W.G. . MAXIMUM VELOCITY THROUGH DUCT INLET SHALL BE 2.000 FPM.

. SUSPEND UNIT WITH FOUR THREADED HANGER RODS ATTACHED TO TWO UNISTRUT RUNNERS SECURED TO STRUCTURE. REFER TO MANUFACTURER FOR MORE DETAILS. . UNITS TO BE MOUNTED BETWEEN BEAMS AND 18" MAXIMUM ABOVE

CEILING. AVOID MOUNTING OVER LIGHTS WHEREVER POSSIBLE.

. VERIFY BOX ORIENTATION FOR HOT AND (CONNECTIONS PRIOR TO ORDERING.

COLD DUCTWORK	

			EXT. STATIC			CUF	RRENT C	HAR							
TAG	LOCATION	CFM	PRESSURE (IN.W.C.)	MAX RPM	HORSE POWER	V	Р	F	LOCALLY SWITCHED	INTERLOCK WITH	FAN TYPE	DRIVE TYPE	MANUFACTURE R	MODEL NUMBER	REMARKS
EF-AS-1	FIELD HOUSE	1000	0.50	2142	0.33	120	1	60	TSTAT	-	INLINE	DIRECT	COOK	SQND	(1,3,4,6)
EF-CB-1	CONCESSION	100	0.50	1016	0.01	120	1	60	TSTAT	-	CEILING	DIRECT	COOK	GC	(1,3,7)
EF-G-4	VESTIBULE 1004	400	0.50	1417	0.13	120	1	60	TSTAT	-	ROOF MOUNTED	DIRECT	COOK	ACED	(1,2,3,4)
EF-G-5	SCULPTURE 1101	700	0.50	1614	0.17	120	1	60	TIMER	-	ROOF MOUNTED	DIRECT	COOK	ACED	(1,2,3,4,5)
EF-G-6	WORK ROOM G1015	150	0.50	1594	0.17	120	1	60	-	SF-G-1	ROOF MOUNTED	DIRECT	COOK	ACED	(1,2,3,4)
EF-H-16	CENTRAL PLANT	3750	0.50	1917	3.35	480	3	60	TIMER	REFRIGERANT MONITOR	ROOF MOUNTED	DIRECT	COOK	ACED	(1,2,3,9,10)
							•								
SF-G-1	MECH 1019	1910	0.75	1104	1	480	3	60	-	AHU-G5	ROOF MOUNTED	BELT	COOK	ASP	(1,2,3,8,9)

FAN SCHEDULE

EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN. MINIMUM RECOMMENDED CLEARANCE AROUND UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR

SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC. PROVIDE WITH DISCONNECT.

PROVIDE WITH ROOF CURB AND BIRD SCREEN. PROVIDE WITH LOW LEAKAGE MOTORIZED DAMPER THAT SHALL CLOSE WHEN UNIT IS NOT OPERATING. PROVIDED BY BMCS INSTALLED IN DUCTWORK BY MECHANICAL CONTRACTOR. . PROVIDE WITH EC MOTOR WITH FAN SPEED CONTROLLER. 6. SUSPEND FAN WITH THREADED HANGER RODS ATTACHED TO UNISTRUT RUNNERS SECURED TO STRUCTURE. PROVIDE SPRING ISOLATION. REFER TO MANUFACTURER FOR MORE DETAILS

7. PROVIDE WITH EC MOTOR WITH FAN SPEED CONTROLLER, VIBRATION ISOLATION KIT, AND BACKDRAFT DAMPER. 8. PROVIDE WITH 1" WASHABLE ALUMINUM FILTER.

9. PROVIDE VARIBALE FREQUENCY DRIVE (VFD). 10. PROVIDE WITH TWO SPEED CONTROLLÈR. FÍRST SPEED SHALL BE A CONSTANT MINIMUM FLOW OF 1.825 CFM FOR GENERAL EXHAUST AND SECOND SPEED SHALL BE AS SCHEDULED FOR PURGE. GENERAL EXHAUST (SPEED 1) SHALL BE

MARK	CFM	MAX. S.P. (IN.WC.)	MIN. THROAT AREA	MODEL	SERVES	REMARKS
OAI-H-1	3,750	0.05	8 SF	GI	EF-H-16	(1,2,3)
OAI-H-2	1,825	0.05	4 SF	GI	EF-H-16	(1,2,3)

PROVIDED BY BMCS INSTALLED IN DUCTWORK BY MECHANICAL CONTRACTOR.

		UN	IJΤ	ΗE	ΑT	ER -	ELECTR	IC	
MARK	MINIMUM CAPACITY (BTUH)	KW	CURF	RENT CI	HAR.	CFM	MANUFACTURER	MODEL	REMARKS
UH-1	17,060	5	480	3	60	479	REZNOR	EUH	(1,2)
UH-2	17,060	5	480	3	60	479	REZNOR	EUH	(1,2)
UH-3	17,060	5	480	3	60	479	REZNOR	EUH	(1,2)
UH-4	17,060	5	480	3	60	479	REZNOR	EUH	(1,2)
UH-5	17,060	5	480	3	60	479	REZNOR	EUH	(1,2)
MARK	<u>S</u> : DE WITH PEN		40UNT	ED TUE	DMO	etat.			
							ICTIONS AND MOU	NTING HEIGHTS.	

	GRILLE													
SERVICE	TYPE	DAMPER	CONSTRUCTION MATERIAL	FINISH COLOR	MANUFACTURER	MODEL NUMBER	DESCRIPTION							
SUPPLY AIR	DIFFUSER	-	STEEL	WHITE	TITUS	TDC	EXPOSED T-BAR CEILING FRAME STYLE WITH 24"X24" FACE. LOUVERED FACE							
B RETURN AIR DIFFUSER - STEEL WHITE TITUS 350RL SINGLE DEFLECTION GRILLE WITH HORIZONTAL FRONT LAY-IN WITH 24"X24" FACE.														
SUPPLY AIR	GRILLE	-	STEEL	WHITE	TITUS	300RL	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FROM BARS. SURFACE MOUNTED							
XHAUST AIR	DIFFUSER	-	STEEL	WHITE	TITUS	350RL	SINGLE DEFLECTION GRILLE WITH HORIZONTAL FRONT BARS. LAY-IN WITH 24"X24" FACE.							
XHAUST AIR	GRILLE	-	STEEL	WHITE	TITUS	350RL	SINGLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRON BARS. SURFACE MOUNTED							
R	AIR RETURN AIR SUPPLY AIR XHAUST AIR XHAUST	AIR DIFFUSER RETURN AIR DIFFUSER SUPPLY AIR GRILLE XHAUST AIR SHAUST AIR GRILLE XHAUST AIR GRILLE	AIR DIFFUSER - RETURN AIR DIFFUSER - SUPPLY AIR GRILLE - XHAUST AIR GRILLE - XHAUST AIR GRILLE -	SUPPLY AIR STEEL STEEL STEEL SUPPLY AIR SUPPLY AIR SUPPLY AIR SUPPLY AIR STEEL STEEL	SUPPLY AIR BUPPLY AIR DIFFUSER - STEEL WHITE SUPPLY AIR GRILLE - STEEL WHITE XHAUST AIR DIFFUSER - STEEL WHITE XHAUST AIR GRILLE - STEEL WHITE XHAUST AIR GRILLE - STEEL WHITE	SUPPLY AIR DIFFUSER - STEEL WHITE TITUS RETURN AIR DIFFUSER - STEEL WHITE TITUS SUPPLY AIR GRILLE - STEEL WHITE TITUS XHAUST AIR DIFFUSER - STEEL WHITE TITUS XHAUST AIR GRILLE - STEEL WHITE TITUS XHAUST AIR GRILLE - STEEL WHITE TITUS	SUPPLY AIR DIFFUSER - STEEL WHITE TITUS TDC RETURN AIR DIFFUSER - STEEL WHITE TITUS 350RL SUPPLY AIR GRILLE - STEEL WHITE TITUS 300RL XHAUST AIR DIFFUSER - STEEL WHITE TITUS 350RL XHAUST AIR GRILLE - STEEL WHITE TITUS 350RL XHAUST AIR GRILLE - STEEL WHITE TITUS 350RL							

SHEET NUMBER

2024 CY RIDGE HS

7900 North Eldridge Parkway

ISSUE FOR PROPOSALS

MECHANICAL SCHEDULES

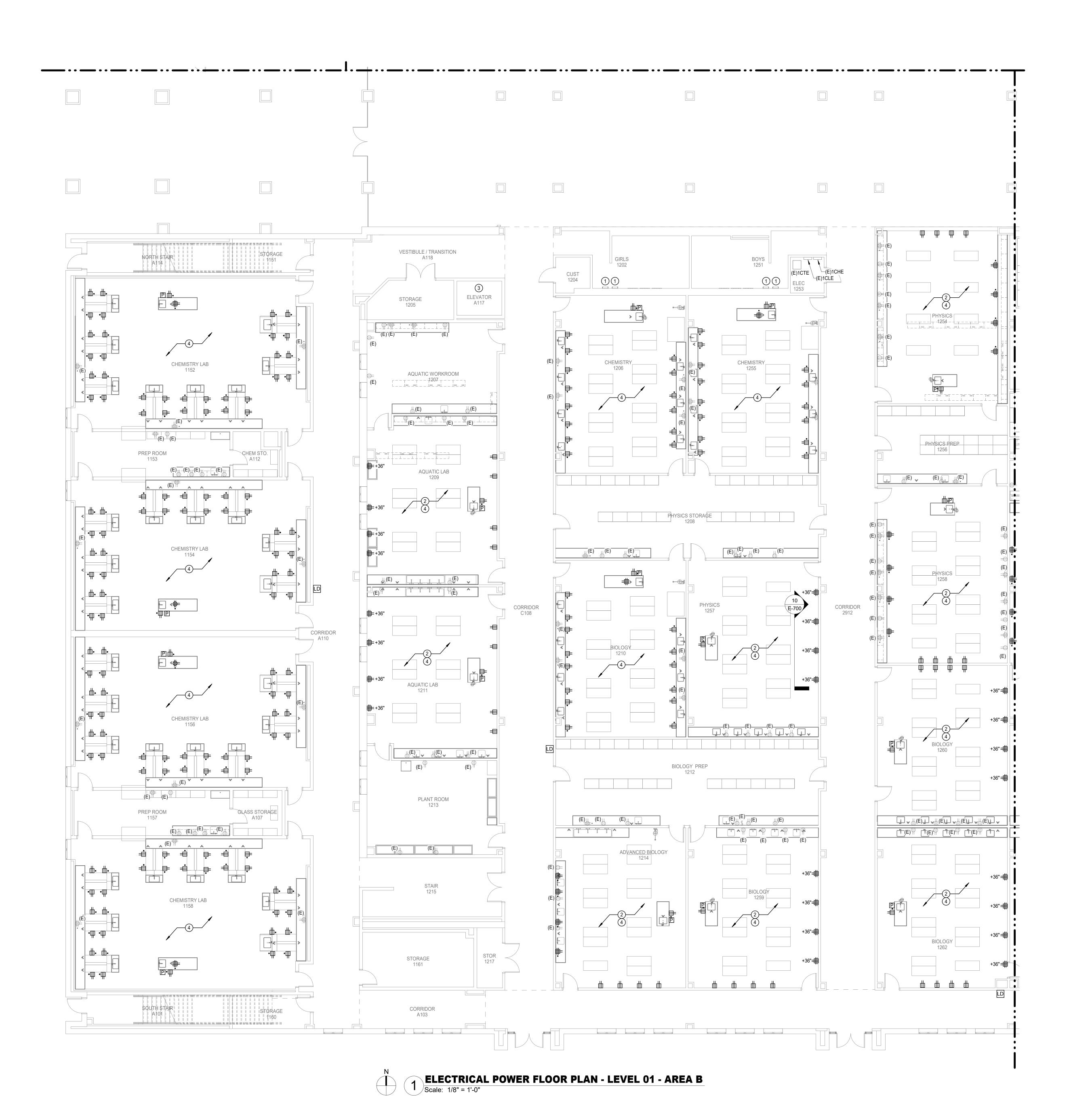
DECEMBER 09, 2024

Houston, TX 77041

PROJECT NUMBER

ORIGINAL ISSUE

33AC23221



10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064 Registration: F-4111

SYMBOL LEGEND POINT OF CONNECTION TO EXISTING ITEM TO REMAIN ☐ ☐ ITEM TO BE REMOVED

Project No: 2023-05942-00

PROVIDE NEW FACEPLATES FOR ALL EXISTING RECEPTACLES TO REMAIN.

TEMPORARILY DISCONNECT AND REMOVE ALL CEILING MOUNTED ELECTRICAL DEVICES FOR AREAS THAT REQUIRE CEILING REMOVALS AND/OR REPLACEMENT, INCLUDING MECHANICAL, TECHNOLOGY AND PLUMBING SCOPE OF AFTER COMPLETION RELOCATE TO PREVIOUS LOCATION AS REQUIRED.

WHERE ANY NEW WALL TERMINATES AT THE SAME LOCATION AS AN EXISTING WALL MOUNTED ELECTRICAL AND TECHNOLOGY DEVICE, CONTRACTOR SHALL RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT AS INSTRUCTED BY OWNER OR ITS REPRESENTATIVE.

WHERE ANY EXISTING JUNCTION BOX AND/OR PULLBOX IS LOCATED AT A NEW NON-ACCESSIBLE CEILING AREA, CONTRACTOR SHALL RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT ABOVE NEAREST ACCESSIBLE CEILING AS INSTRUCTED BY OWNER OR ITS REPRESENTATIVE. SEE ARCHITECTURAL DRAWINGS FOR AREAS AFFECTED.

ELECTRICAL GENERAL NOTES:

- 1. ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOAD CAPACITY PRIOR TO INSTALLATION.
- 2. CONTRACTOR SHALL REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION OF MECHANICAL ANDPLUMBING EQUIPMENT AND SCHEDULES. CONTRACTOR SHALL PROVIDE ALL ELECTRICAL DISCONNECTS, BRANCH CIRCUITRY, STARTERS/CONTROLS, CIRCUIT BREAKERS AND CONNECTIONS REQUIRED TO POWER
- 3. CONTRACTOR TO COORDINATE EXACT LOCATION OF DISCONNECT SWITCHES, JUNCTION BOXES AND SINGLE POLE TOGGLE SWITCHES FOR MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
- 4. ALL RECEPTACLES LOCATED WITHIN 6'-0" OF SINK SHALL BE HAVE GFCI PROTECTION.
- 5. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF RECEPTACLES AND SWITCHES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ELECTRICAL ROUGH-IN. ADJUST DEVICES AS REQUIRED SO THAT NO DEVICES ARE INSTALLED BEHIND CABINETS OR SHELVES.
- ALL BLANK FACE GFCI DEVICES SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION AND NOT BEHIND EQUIPMENT.
- 7. CONTRACTOR SHALL REFER TO TECHNOLOGY SERIES CONSTRUCTION DOCUMENTS FOR EXACT LOCATION AND REQUIREMENTS OF ALL LOW VOLTAGE BACK BOXES, FITTINGS, AND CONDUITS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 8. ALL EXTERIOR OUTLETS SHALL BE WP GFI IN METAL WHILE-IN-USE LOCKABLE ENCLOSURE WITH EXCEPTION TO INTEGRAL RTU RECEPTACLES.

ELECTRICAL KEYED NOTES:

- CONNECT NEW HAND DRYER TO EXISTING WIRING AND PROVIDE NEW 20A LOCK-OFF BREAKER IN EXISTING PANEL.
- REFER TO DETAIL #10 ON SHEET E-700 FOR RECEPTACLES MOUNTED ON CMU WALLS.
- REFEED EXISTING ELEVATOR FROM PANEL '1CDE' REFER TO ONELINE FOR MORE
- (4) CONNECT NEW RECEPTACLES AND DEVICES TO PRESERVED CIRCUITING AND CONTROLS LEFT IN PLACE. EXTEND WITH MATCHING CONDUCTOR AND CONDUIT SIZES AS NEEDED.

Page Southerland Page, Inc. 1100 Louisiana, Suite One Houston, TX 77002

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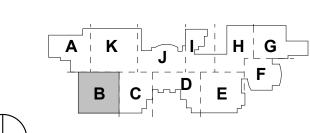
CONSULTANT TEAM

STRUCTURAL ENGINEER MEP & AV/THEATRICAL ENGINEER Dally + Associates Salas O'Brien 9800 Richmond Avenue 10930 W Sam Houston Pkwy N Suite 900 Houston, Texas 77042 Houston, TX 77064

281.664.1900

CIVIL ENGINEER Brooks & Sparks Inc. 21020 Park Row Dr. Katy, Texas 77449

LANDSCAPE/IRRIGATION KW Landscape Architects 6925 Portwest Drive Suite 100 Houston, TX 77024 346.509.5638





REVISION HISTORY

1 ADDENDUM #2 12/20/2024 REVISION DESCRIPTION PROFESSIONAL SEALS





2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

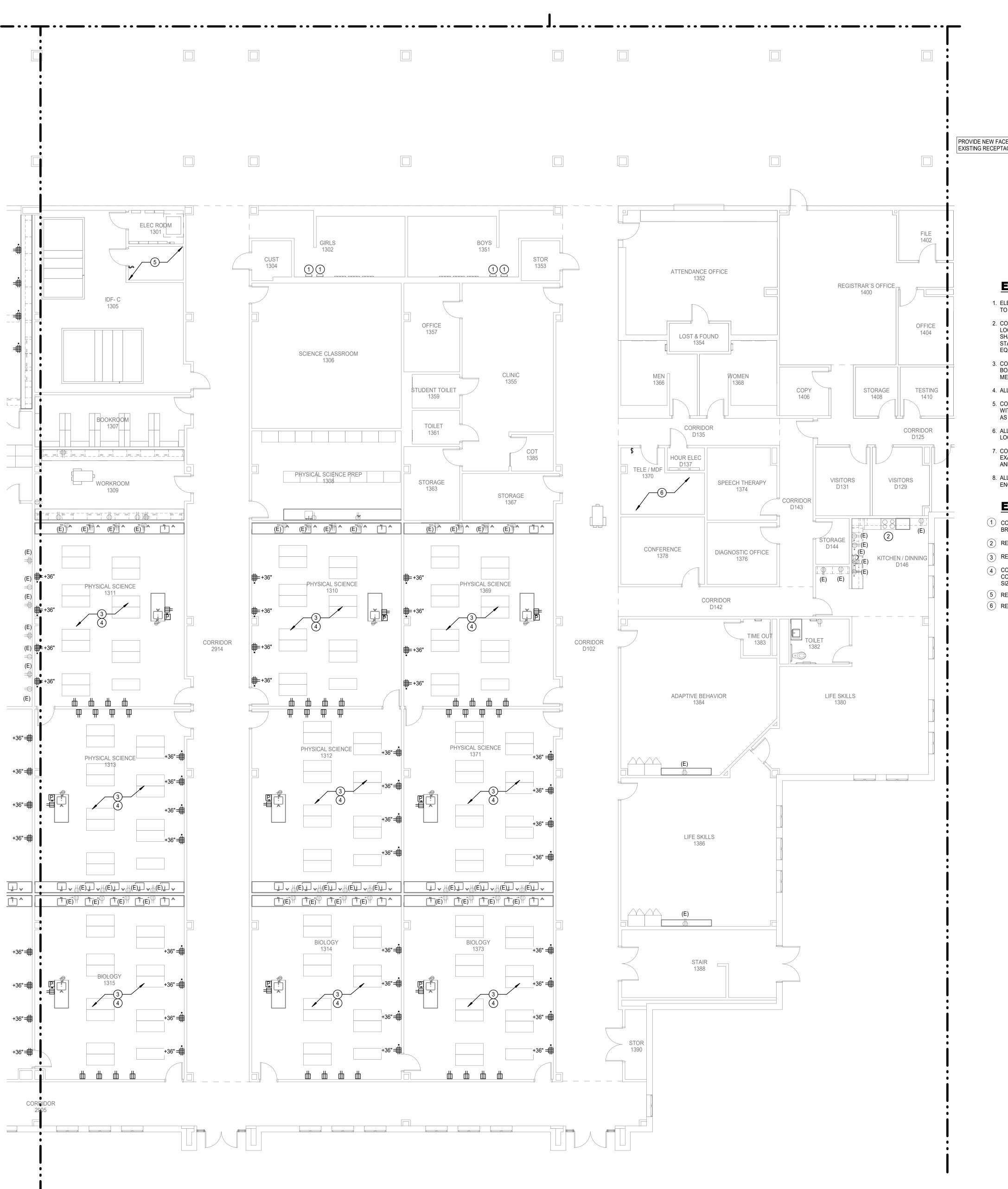
33AC23221 **CHECKED BY**

ORIGINAL ISSUE

ISSUE FOR PROPOSALS

DECEMBER 09, 2024

SHEET NAME ELECTRICAL POWER FLOOR PLAN -LEVEL 1 - AREA B



ELECTRICAL POWER FLOOR PLAN - LEVEL 01 - AREA C

Salas O'Brien 281-664-1900

10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064 Registration: F-4111

SYMBOL LEGEND

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Project No: 2023-05942-00

WHERE ANY NEW WALL TERMINATES AT THE SAME LOCATION AS AN EXISTING WALL MOUNTED ELECTRICAL AND TECHNOLOGY DEVICE, CONTRACTOR SHALL RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT AS INSTRUCTED BY OWNER OR ITS REPRESENTATIVE.

WHERE ANY EXISTING JUNCTION BOX AND/OR PULLBOX IS LOCATED AT A NEW NON-ACCESSIBLE CEILING AREA. CONTRACTOR SHALL RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT ABOVE NEAREST ACCESSIBLE CEILING AS INSTRUCTED BY OWNER OR ITS REPRESENTATIVE. SEE ARCHITECTURAL DRAWINGS FOR AREAS AFFECTED.

ELECTRICAL GENERAL NOTES:

- 1. ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOAD CAPACITY PRIOR TO INSTALLATION.
- 2. CONTRACTOR SHALL REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION OF MECHANICAL ANDPLUMBING EQUIPMENT AND SCHEDULES. CONTRACTOR SHALL PROVIDE ALL ELECTRICAL DISCONNECTS, BRANCH CIRCUITRY, STARTERS/CONTROLS, CIRCUIT BREAKERS AND CONNECTIONS REQUIRED TO POWER
- 3. CONTRACTOR TO COORDINATE EXACT LOCATION OF DISCONNECT SWITCHES, JUNCTION BOXES AND SINGLE POLE TOGGLE SWITCHES FOR MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
- 4. ALL RECEPTACLES LOCATED WITHIN 6'-0" OF SINK SHALL BE HAVE GFCI PROTECTION.
- 5. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF RECEPTACLES AND SWITCHES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ELECTRICAL ROUGH-IN. ADJUST DEVICES AS REQUIRED SO THAT NO DEVICES ARE INSTALLED BEHIND CABINETS OR SHELVES.
- ALL BLANK FACE GFCI DEVICES SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION AND NOT BEHIND EQUIPMENT.
- 7. CONTRACTOR SHALL REFER TO TECHNOLOGY SERIES CONSTRUCTION DOCUMENTS FOR EXACT LOCATION AND REQUIREMENTS OF ALL LOW VOLTAGE BACK BOXES, FITTINGS, AND CONDUITS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 8. ALL EXTERIOR OUTLETS SHALL BE WP GFI IN METAL WHILE-IN-USE LOCKABLE ENCLOSURE WITH EXCEPTION TO INTEGRAL RTU RECEPTACLES.

ELECTRICAL KEYED NOTES:

- CONNECT NEW HAND DRYER TO EXISTING WIRING AND PROVIDE NEW 20A LOCK-OFF BREAKER IN EXISTING PANEL.
- RECONNECT EXISTING RANGE TO EXISTING WIRING.
- CONNECT NEW RECEPTACLES AND DEVICES TO PRESERVED CIRCUITING AND CONTROLS LEFT IN PLACE. EXTEND WITH MATCHING CONDUCTOR AND CONDUIT
- 5) REFER TO E-402:2 FOR ADDITIONAL WORK IN THIS ROOM.
- (6) REFER TO E-402:6 FOR ADDITIONAL WORK IN THIS ROOM.

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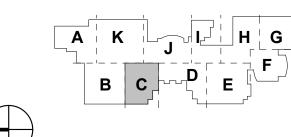
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CIVIL ENGINEER Brooks & Sparks Inc. 21020 Park Row Dr. Katy, Texas 77449

LANDSCAPE/IRRIGATION KW Landscape Architects 6925 Portwest Drive Suite 100 Houston, TX 77024 346.509.5638



REVISION HISTORY

12/20/2024

1 ADDENDUM #2 REVISION DESCRIPTION PROFESSIONAL SEALS





2024 CY RIDGE HS RENOVATION

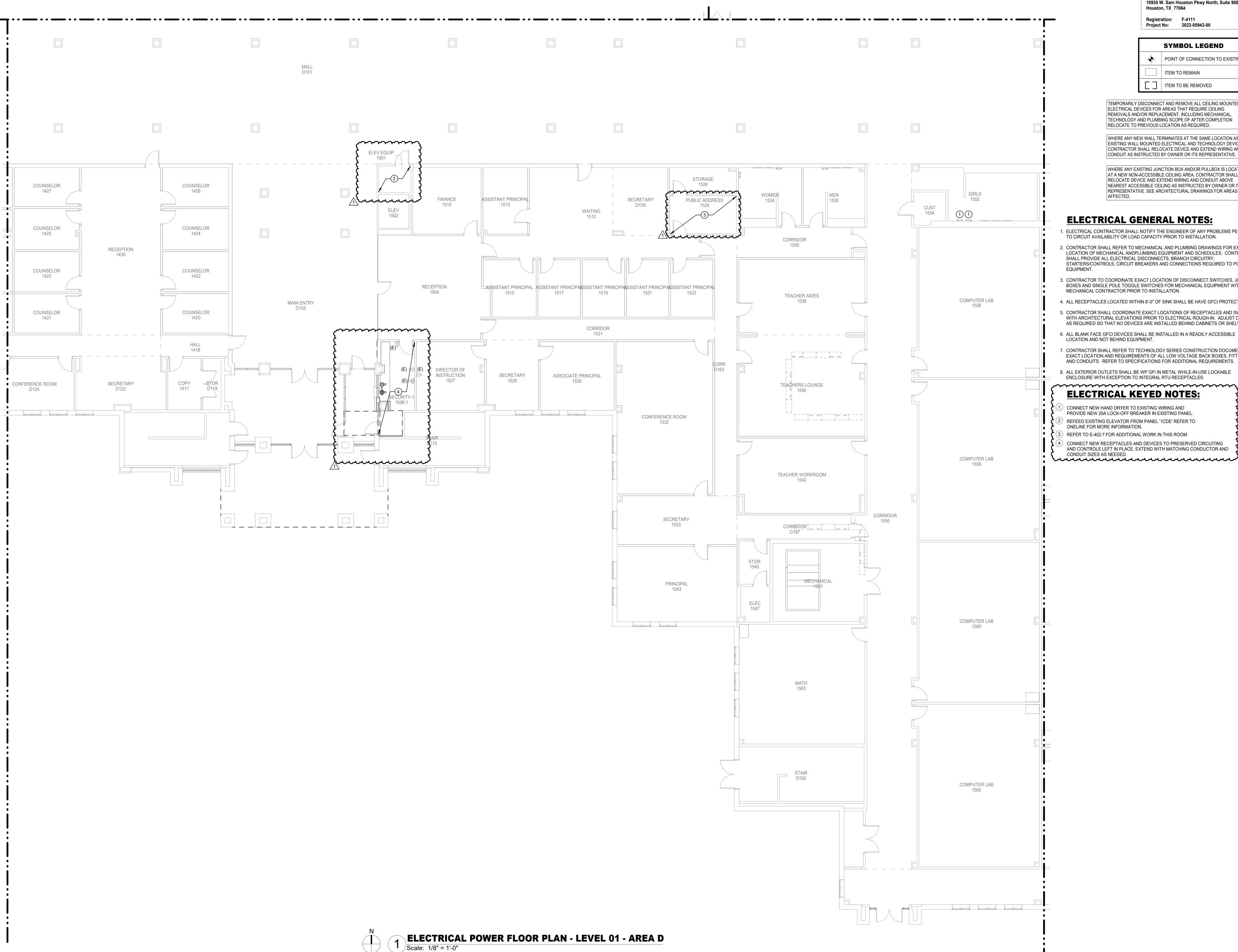
7900 North Eldridge Parkway Houston, TX 77041

33AC23221 **CHECKED BY**

ORIGINAL ISSUE ISSUE FOR PROPOSALS

DECEMBER 09, 2024

ELECTRICAL POWER FLOOR PLAN -LEVEL 1 - AREA C



10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064 Registration: F-4111

Project No: 2023-05942-00

TITEM TO BE REMOVED

SYMBOL LEGEND POINT OF CONNECTION TO EXISTING ITEM TO REMAIN

TEMPORARILY DISCONNECT AND REMOVE ALL CEILING MOUNTED ELECTRICAL DEVICES FOR AREAS THAT REQUIRE CEILING REMOVALS AND/OR REPLACEMENT, INCLUDING MECHANICAL, TECHNOLOGY AND PLUMBING SCOPE OF AFTER COMPLETION RELOCATE TO PREVIOUS LOCATION AS REQUIRED.

WHERE ANY NEW WALL TERMINATES AT THE SAME LOCATION AS AN EXISTING WALL MOUNTED ELECTRICAL AND TECHNOLOGY DEVICE, CONTRACTOR SHALL RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT AS INSTRUCTED BY OWNER OR ITS REPRESENTATIVE.

WHERE ANY EXISTING JUNCTION BOX AND/OR PULLBOX IS LOCATED AT A NEW NON-ACCESSIBLE CEILING AREA, CONTRACTOR SHALL RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT ABOVE NEAREST ACCESSIBLE CEILING AS INSTRUCTED BY OWNER OR ITS REPRESENTATIVE. SEE ARCHITECTURAL DRAWINGS FOR AREAS AFFECTED.

ELECTRICAL GENERAL NOTES:

- 1. ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOAD CAPACITY PRIOR TO INSTALLATION.
- 2. CONTRACTOR SHALL REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION OF MECHANICAL ANDPLUMBING EQUIPMENT AND SCHEDULES. CONTRACTOR SHALL PROVIDE ALL ELECTRICAL DISCONNECTS, BRANCH CIRCUITRY, STARTERS/CONTROLS, CIRCUIT BREAKERS AND CONNECTIONS REQUIRED TO POWER
- 3. CONTRACTOR TO COORDINATE EXACT LOCATION OF DISCONNECT SWITCHES, JUNCTION BOXES AND SINGLE POLE TOGGLE SWITCHES FOR MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
- 4. ALL RECEPTACLES LOCATED WITHIN 6'-0" OF SINK SHALL BE HAVE GFCI PROTECTION.
- 5. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF RECEPTACLES AND SWITCHES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ELECTRICAL ROUGH-IN. ADJUST DEVICES AS REQUIRED SO THAT NO DEVICES ARE INSTALLED BEHIND CABINETS OR SHELVES.
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- 8. ALL EXTERIOR OUTLETS SHALL BE WP GFI IN METAL WHILE-IN-USE LOCKABLE ENCLOSURE WITH EXCEPTION TO INTEGRAL RTU RECEPTACLES.

ELECTRICAL KEYED NOTES:

- CONNECT NEW HAND DRYER TO EXISTING WIRING AND PROVIDE NEW 20A LOCK-OFF BREAKER IN EXISTING PANEL.
- REFEED EXISTING ELEVATOR FROM PANEL '1CDE' REFER TO ONELINE FOR MORE INFORMATION.
- REFER TO E-402:7 FOR ADDITIONAL WORK IN THIS ROOM.
- CONNECT NEW RECEPTACLES AND DEVICES TO PRESERVED CIRCUITING AND CONTROLS LEFT IN PLACE. EXTEND WITH MATCHING CONDUCTOR AND CONDUIT SIZES AS NEEDED.

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KEYPLAN

REVISION HISTORY

12/20/2024

1 ADDENDUM #2 REVISION DESCRIPTION PROFESSIONAL SEALS





2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

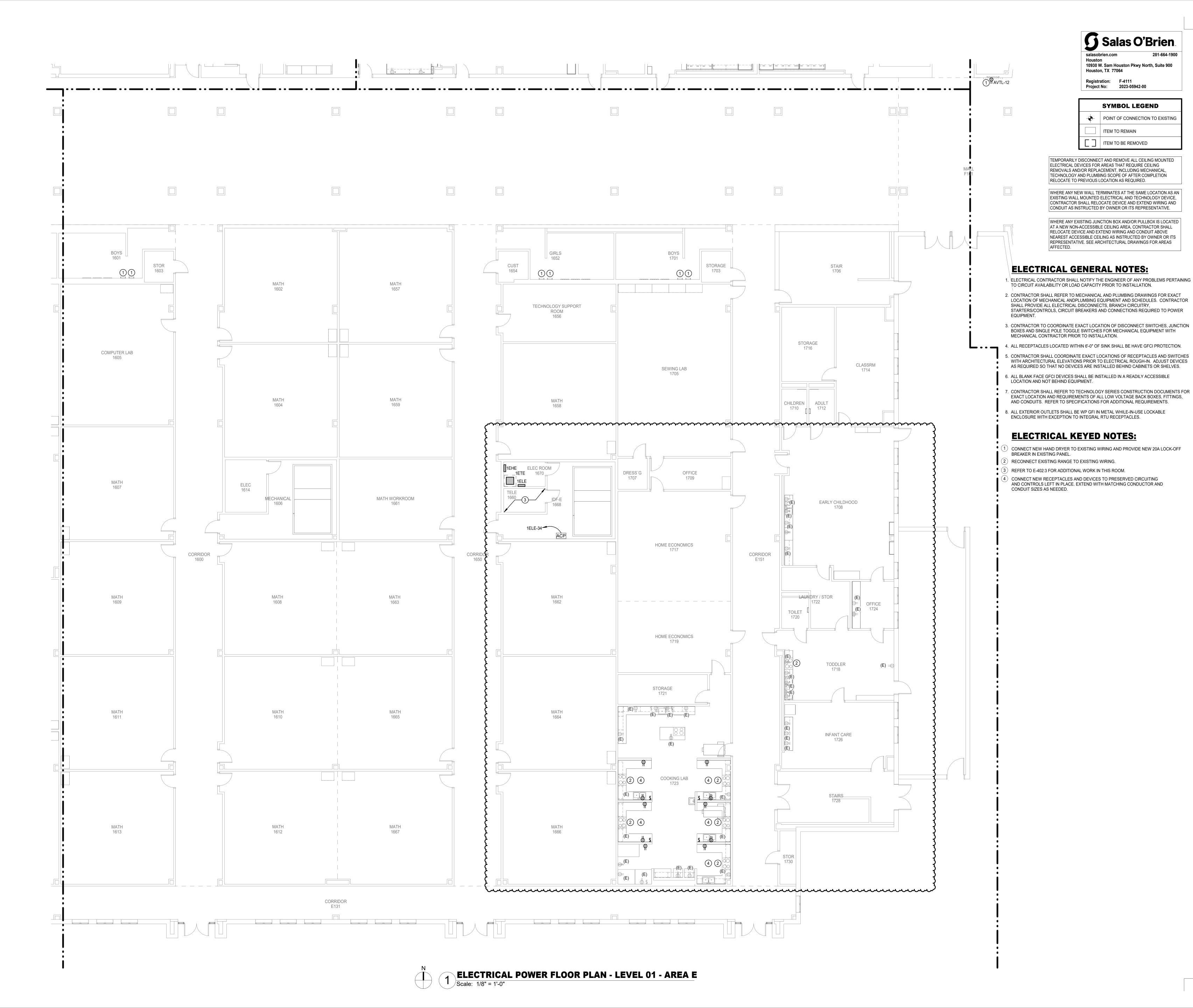
ORIGINAL ISSUE ISSUE FOR PROPOSALS

DECEMBER 09, 2024

ELECTRICAL POWER FLOOR PLAN -LEVEL 1 - AREA D

SHEET NUMBER

E-304-D



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KEYPLAN

REVISION HISTORY

REVISION DESCRIPTION PROFESSIONAL SEALS

1 ADDENDUM #2 12/20/2024



2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

33AC23221

ORIGINAL ISSUE

ISSUE FOR PROPOSALS

DECEMBER 09, 2024

ELECTRICAL POWER FLOOR PLAN -LEVEL 1 - AREA E



ELECTRICAL KEYED NOTES

REQUIREMENTS.

- 1 PROVIDE DUPLEX FOR WALL MOUNTED TELEVISION. REFER TO LATEST AV DRAWINGS FOR HEIGHT AND ADDITIONAL INSTALLATION
- 2 PROVIDE DUPLEX/QUADRUPLEX FOR IN AV CONNECTIVITY WALLPLATE. REFER TO LATEST AV DRAWINGS FOR HEIGHT AND ADDITONAL INSTALLATION REQUIREMENTS.
- DIVISION 26 TO TERMINATE CIRCUITS INDICATED IN AV RACK. REFER TO AV DETAILS FOR ADDITIONAL REQUIREMENTS.
- 4 PROVIDE DUPLEX FOR WALL MOUNTED PROJECTOR. REFER TO LATEST AV DRAWINGS FOR HEIGHT AND ADDITONAL INSTALLATION REQUIREMENTS.
- 5 PROVIDE UNDERGROUND (1)1-1/4" CONDUIT FOR A/V & DATA. PROVIDE (1)3/4"C FOR POWER. SAWCUT AND PATCH EXISTING SLAB.
- 6 PROVIDE DUPLEX ADJACENT TO AV CONNECTIVITY WALLPLATE. REFER TO LATEST AV DRAWINGS FOR HEIGHT AND ADDITONAL INSTALLATION REQUIREMENTS.

ELECTRICAL GENERAL NOTES:

- ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING
 TO CIRCUIT AVAILABILITY OR LOAD CAPACITY PRIOR TO INSTALLATION.
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- 3. CONTRACTOR TO COORDINATE EXACT LOCATION OF DISCONNECT SWITCHES, JUNCTION BOXES AND SINGLE POLE TOGGLE SWITCHES FOR MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
- 4. ALL RECEPTACLES LOCATED WITHIN 6'-0" OF SINK SHALL BE HAVE GFCI PROTECTION.
- 5. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF RECEPTACLES AND SWITCHES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ELECTRICAL ROUGH-IN. ADJUST DEVICES AS REQUIRED SO THAT NO DEVICES ARE INSTALLED BEHIND CABINETS OR SHELVES.
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WHERE ANY NEW WALL TERMINATES AT THE SAME LOCATION AS AN EXISTING WALL MOUNTED ELECTRICAL AND TECHNOLOGY DEVICE, CONTRACTOR SHALL RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT AS INSTRUCTED BY OWNER OR ITS REPRESENTATIVE.

AFFECTED.

WHERE ANY EXISTING JUNCTION BOX AND/OR PULLBOX IS LOCATED
AT A NEW NON-ACCESSIBLE CEILING AREA, CONTRACTOR SHALL
RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT ABOVE
NEAREST ACCESSIBLE CEILING AS INSTRUCTED BY OWNER OR ITS
REPRESENTATIVE. SEE ARCHITECTURAL DRAWINGS FOR AREAS

HOUSION
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Houston, TX 77064

Registration: F-4111
Project No: 2023-05942-00

TEMPORARILY DISCONNECT AND REMOVE ALL CEILING MOUNTED ELECTRICAL DEVICES FOR AREAS THAT REQUIRE CEILING REMOVALS AND/OR REPLACEMENT, INCLUDING MECHANICAL, TECHNOLOGY AND PLUMBING SCOPE OF AFTER COMPLETION RELOCATE TO PREVIOUS LOCATION AS REQUIRED.

POINT OF CONNECTION TO EXISTING ITEM TO REMAIN

ITEM TO BE REMOVED

Salas O'Brien

Page/

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Dally + Associates

9800 Richmond Avenue

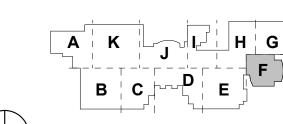
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KEYPL



REVISION HISTORY

12/20/2024

1 ADDENDUM #2
REVISION DESCRIPTION
PROFESSIONAL SEALS





2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

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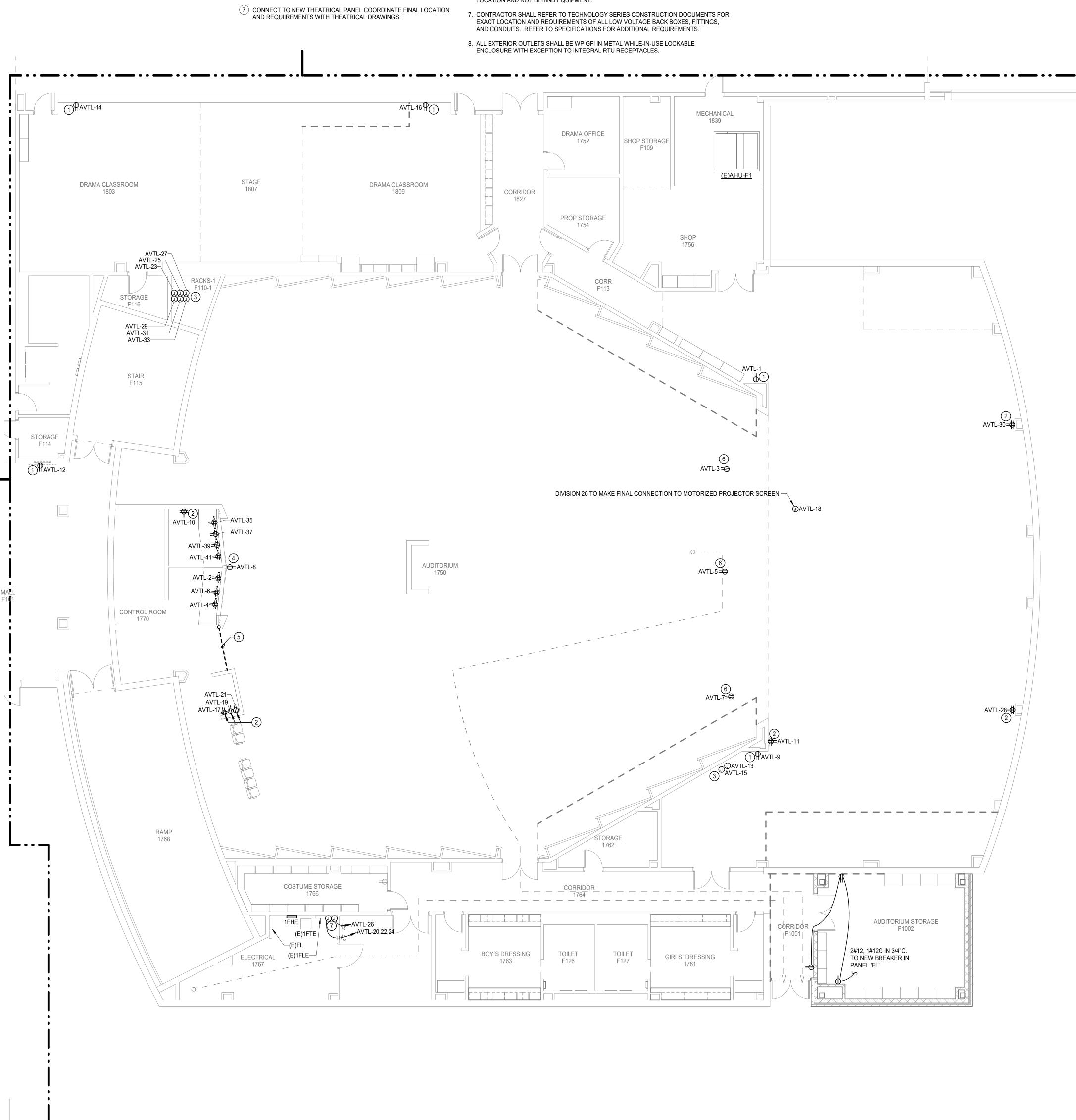
ORIGINAL ISSUE
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DECEMBER 09, 2024

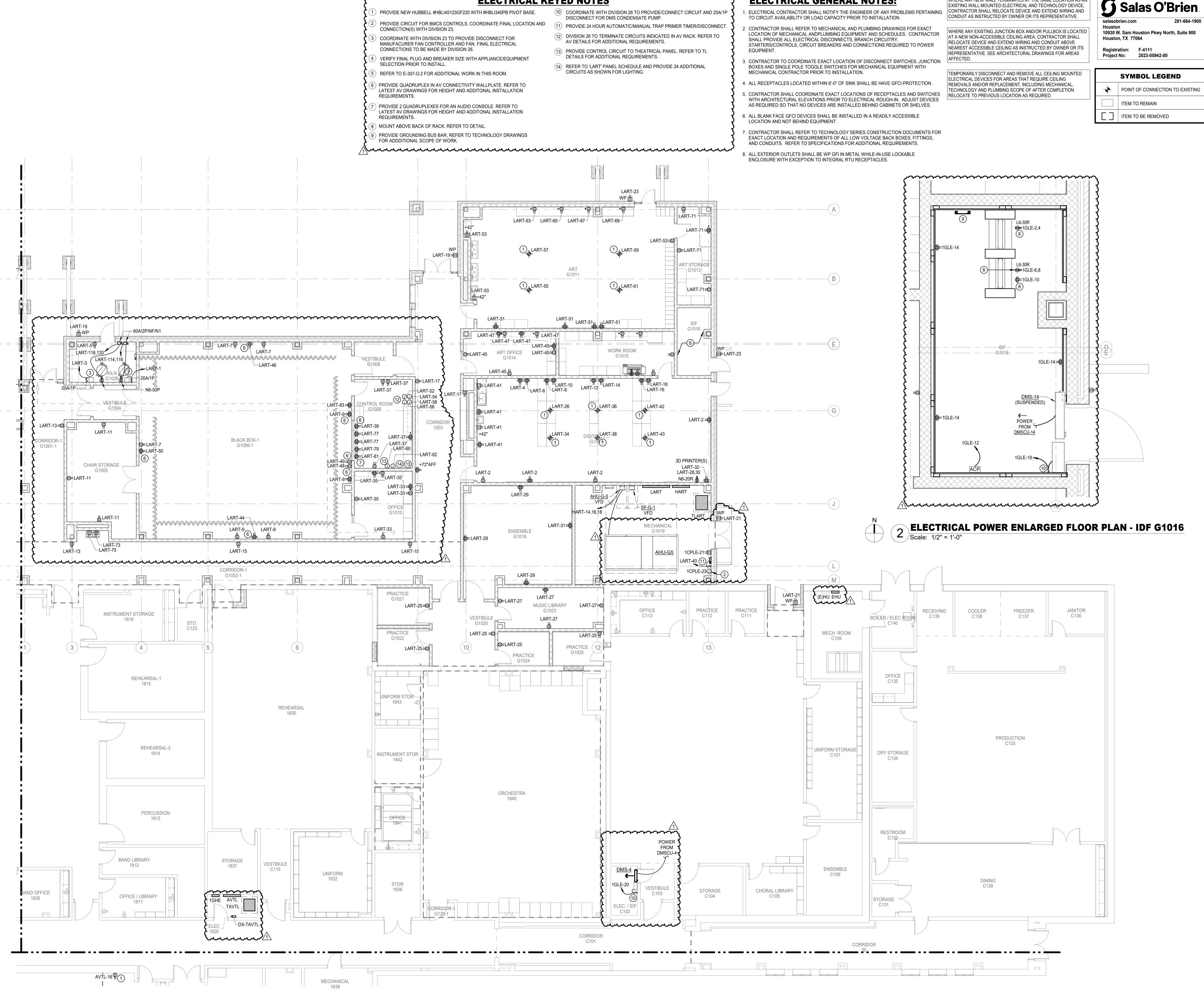
ELECTRICAL POWER FLOOR PLAN -LEVEL 1 - AREA F

SHEET NUMBER





ELECTRICAL POWER FLOOR PLAN - LEVEL 01 - AREA F
Scale: 1/8" = 1'-0"



ELECTRICAL GENERAL NOTES:

ELECTRICAL KEYED NOTES

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EXISTING WALL MOUNTED ELECTRICAL AND TECHNOLOGY DEVICE,

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KW Landscape Architects

CIVIL ENGINEER Brooks & Sparks Inc 21020 Park Row Dr. Katy, Texas 77449 281.578.9595

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REVISION HISTORY

1 ADDENDUM #2 12/20/2024

REVISION DESCRIPTION





2024 CY RIDGE HS RENOVATION

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PROJECT NUMBER 33AC23221 CHECKED BY

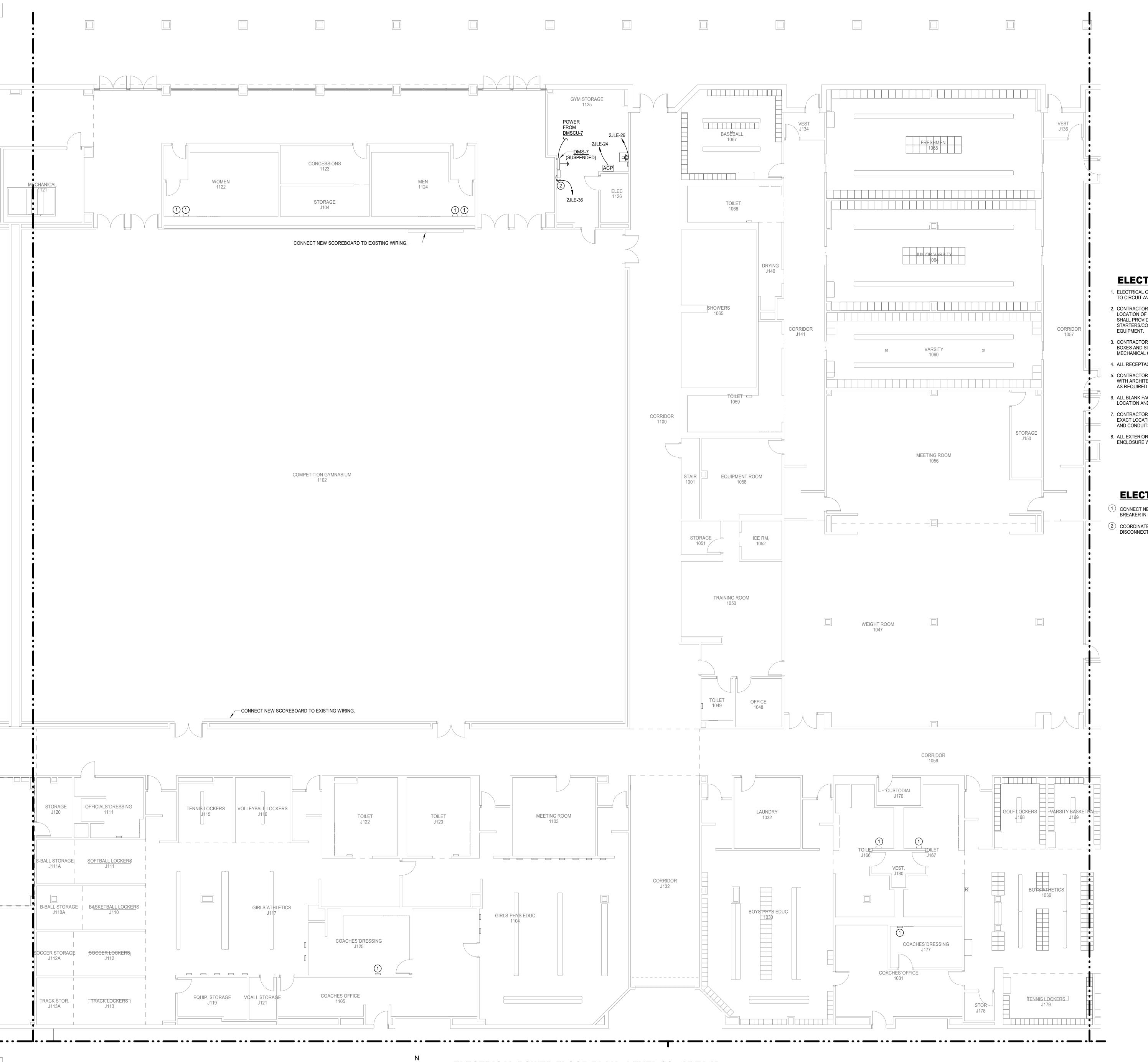
ORIGINAL ISSUE ISSUE FOR PROPOSALS

DECEMBER 09, 2024

SHEET NAME ELECTRICAL POWER FLOOR PLAN -LEVEL 1 - AREA G

SHEET NUMBER

E-307-G



10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064 Registration: F-4111

Project No: 2023-05942-00

SYMBOL LEGEND POINT OF CONNECTION TO EXISTING

ITEM TO REMAIN item to be removed

TEMPORARILY DISCONNECT AND REMOVE ALL CEILING MOUNTED ELECTRICAL DEVICES FOR AREAS THAT REQUIRE CEILING REMOVALS AND/OR REPLACEMENT, INCLUDING MECHANICAL, TECHNOLOGY AND PLUMBING SCOPE OF AFTER COMPLETION RELOCATE TO PREVIOUS LOCATION AS REQUIRED.

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- 3. CONTRACTOR TO COORDINATE EXACT LOCATION OF DISCONNECT SWITCHES, JUNCTION BOXES AND SINGLE POLE TOGGLE SWITCHES FOR MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
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- 6. ALL BLANK FACE GFCI DEVICES SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION AND NOT BEHIND EQUIPMENT.
- 7. CONTRACTOR SHALL REFER TO TECHNOLOGY SERIES CONSTRUCTION DOCUMENTS FOR EXACT LOCATION AND REQUIREMENTS OF ALL LOW VOLTAGE BACK BOXES, FITTINGS, AND CONDUITS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 8. ALL EXTERIOR OUTLETS SHALL BE WP GFI IN METAL WHILE-IN-USE LOCKABLE ENCLOSURE WITH EXCEPTION TO INTEGRAL RTU RECEPTACLES.

ELECTRICAL KEYED NOTES:

- CONNECT NEW HAND DRYER TO EXISTING WIRING AND PROVIDE NEW 20A LOCK-OFF BREAKER IN EXISTING PANEL.
 - 2 COORDINATE WITH DIVISION 26 TO PROVIDE/CONNECT CIRCUIT AND 20A/1P DISCONNECT FOR DMS CONDENSATE PUMP.

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Houston, Texas 77042 713.337.8881 281.664.1900 **CIVIL ENGINEER Brooks & Sparks Inc** 21020 Park Row Dr.

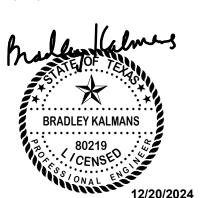
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KEYPLAN

REVISION HISTORY

12/20/2024

1 ADDENDUM #2 REVISION DESCRIPTION PROFESSIONAL SEALS





2024 CY RIDGE HS RENOVATION

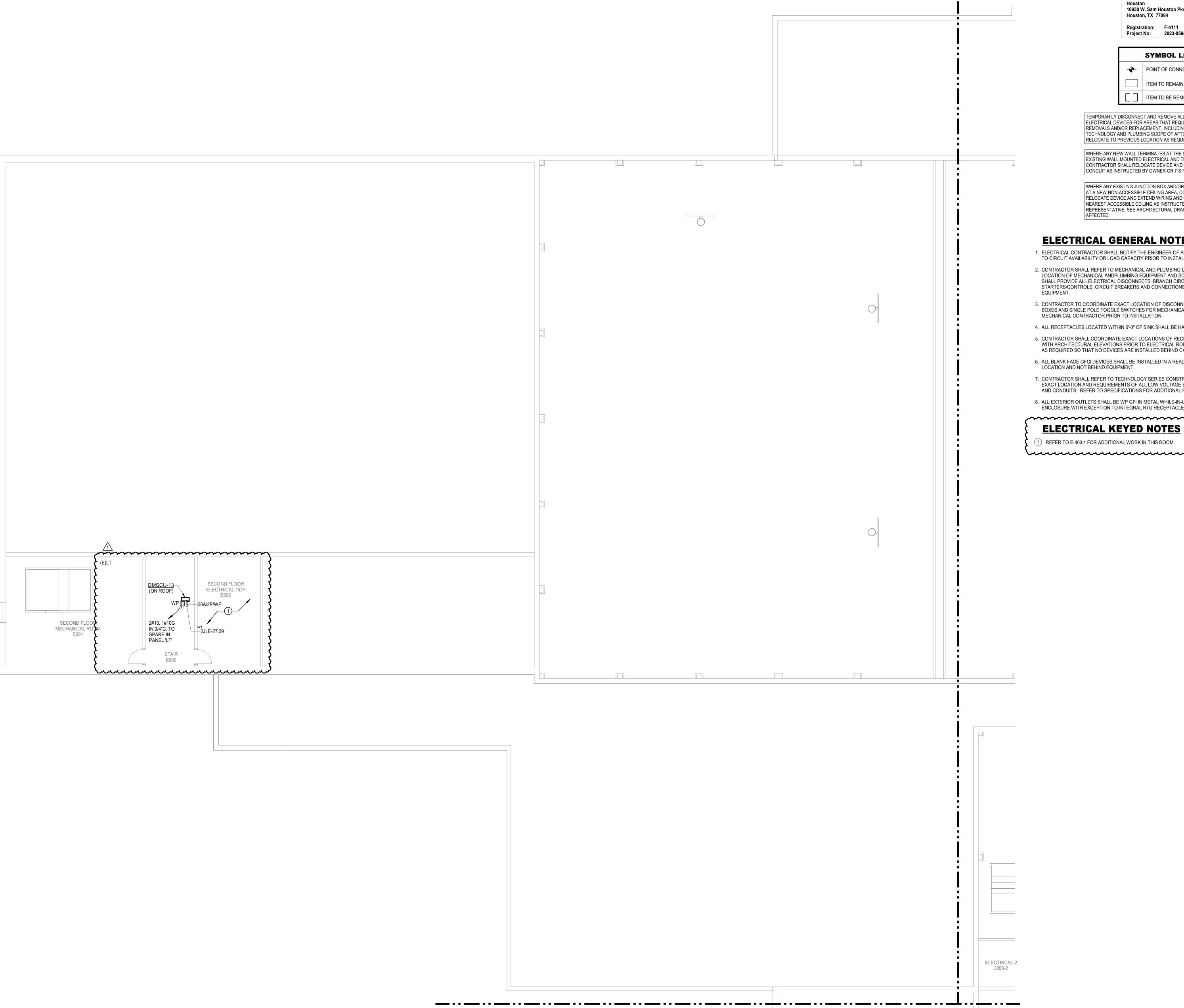
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PROJECT NUMBER 33AC23221 CHECKED BY

ORIGINAL ISSUE ISSUE FOR PROPOSALS

DECEMBER 09, 2024 SHEET NAME

ELECTRICAL POWER FLOOR PLAN -LEVEL 1 - AREA K



10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064 Registration: F-4111

Project No: 2023-05942-00 SYMBOL LEGEND

POINT OF CONNECTION TO EXISTING ITEM TO REMAIN TITEM TO BE REMOVED

TEMPORARILY DISCONNECT AND REMOVE ALL CEILING MOUNTED ELECTRICAL DEVICES FOR AREAS THAT REQUIRE CEILING REMOVALS AND/OR REPLACEMENT, INCLUDING MECHANICAL, TECHNOLOGY AND PLUMBING SCOPE OF AFTER COMPLETION RELOCATE TO PREVIOUS LOCATION AS REQUIRED.

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ELECTRICAL KEYED NOTES

REFER TO E-403:1 FOR ADDITIONAL WORK IN THIS ROOM.

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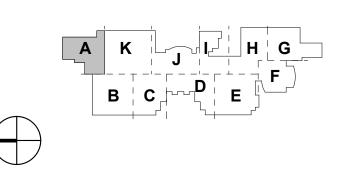
281.578.9595

STRUCTURAL ENGINEER MEP & AV/THEATRICAL ENGINEER Salas O'Brien Dally + Associates 9800 Richmond Avenue 10930 W Sam Houston Pkwy N Suite 900 Houston, Texas 77042 Houston, TX 77064

CIVIL ENGINEER LANDSCAPE/IRRIGATION Brooks & Sparks Inc. KW Landscape Architects 21020 Park Row Dr. 6925 Portwest Drive Katy, Texas 77449 Suite 100

281.664.1900

Houston, TX 77024 346.509.5638



REVISION HISTORY

1 ADDENDUM #2 12/20/2024



2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

ORIGINAL ISSUE ISSUE FOR PROPOSALS

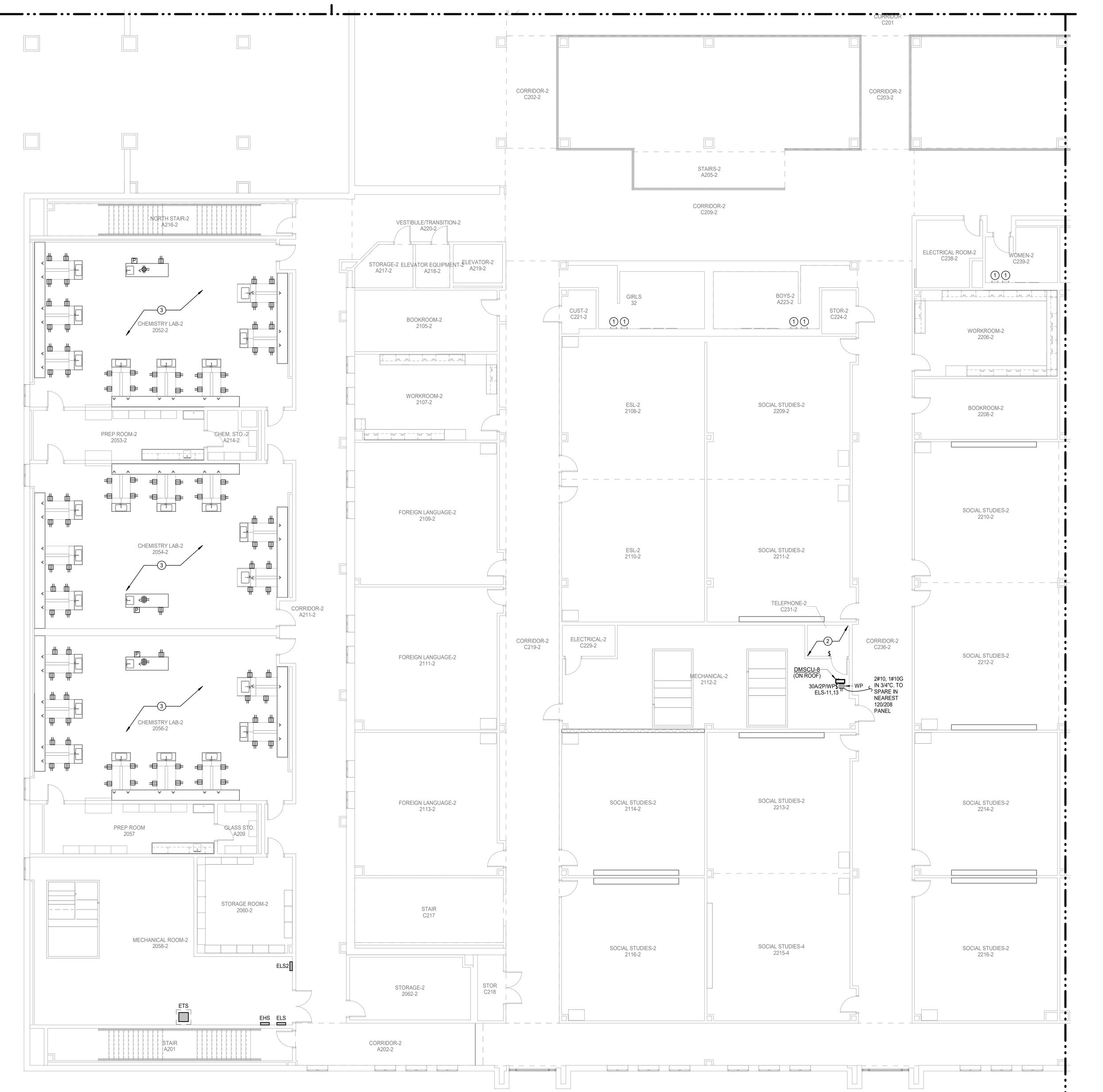
DECEMBER 09, 2024

ELECTRICAL POWER FLOOR PLAN -LEVEL 2 - AREA A

SHEET NUMBER

1 ELECTRICAL POWER FLOOR PLAN - LEVEL 02 - AREA A
Scale: 1/8" = 1'-0"

E-312-A



10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064 Registration: F-4111

Project No: 2023-05942-00 SYMBOL LEGEND

POINT OF CONNECTION TO EXISTING ITEM TO REMAIN ☐ ☐ ITEM TO BE REMOVED

TEMPORARILY DISCONNECT AND REMOVE ALL CEILING MOUNTED ELECTRICAL DEVICES FOR AREAS THAT REQUIRE CEILING REMOVALS AND/OR REPLACEMENT, INCLUDING MECHANICAL, TECHNOLOGY AND PLUMBING SCOPE OF AFTER COMPLETION RELOCATE TO PREVIOUS LOCATION AS REQUIRED.

WHERE ANY NEW WALL TERMINATES AT THE SAME LOCATION AS AN EXISTING WALL MOUNTED ELECTRICAL AND TECHNOLOGY DEVICE, CONTRACTOR SHALL RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT AS INSTRUCTED BY OWNER OR ITS REPRESENTATIVE.

WHERE ANY EXISTING JUNCTION BOX AND/OR PULLBOX IS LOCATED AT A NEW NON-ACCESSIBLE CEILING AREA. CONTRACTOR SHALL RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT ABOVE NEAREST ACCESSIBLE CEILING AS INSTRUCTED BY OWNER OR ITS REPRESENTATIVE. SEE ARCHITECTURAL DRAWINGS FOR AREAS AFFECTED.

ELECTRICAL GENERAL NOTES:

- 1. ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOAD CAPACITY PRIOR TO INSTALLATION.
- 2. CONTRACTOR SHALL REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION OF MECHANICAL ANDPLUMBING EQUIPMENT AND SCHEDULES. CONTRACTOR SHALL PROVIDE ALL ELECTRICAL DISCONNECTS, BRANCH CIRCUITRY, STARTERS/CONTROLS, CIRCUIT BREAKERS AND CONNECTIONS REQUIRED TO POWER
- 3. CONTRACTOR TO COORDINATE EXACT LOCATION OF DISCONNECT SWITCHES, JUNCTION BOXES AND SINGLE POLE TOGGLE SWITCHES FOR MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
- 4. ALL RECEPTACLES LOCATED WITHIN 6'-0" OF SINK SHALL BE HAVE GFCI PROTECTION.
- 5. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF RECEPTACLES AND SWITCHES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ELECTRICAL ROUGH-IN. ADJUST DEVICES AS REQUIRED SO THAT NO DEVICES ARE INSTALLED BEHIND CABINETS OR SHELVES.
- 6. ALL BLANK FACE GFCI DEVICES SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION AND NOT BEHIND EQUIPMENT.
- 7. CONTRACTOR SHALL REFER TO TECHNOLOGY SERIES CONSTRUCTION DOCUMENTS FOR EXACT LOCATION AND REQUIREMENTS OF ALL LOW VOLTAGE BACK BOXES, FITTINGS, AND CONDUITS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 8. ALL EXTERIOR OUTLETS SHALL BE WP GFI IN METAL WHILE-IN-USE LOCKABLE ENCLOSURE WITH EXCEPTION TO INTEGRAL RTU RECEPTACLES.

ELECTRICAL KEYED NOTES:

- 1 CONNECT NEW HAND DRYER TO EXISTING WIRING AND PROVIDE NEW 20A LOCK-OFF BREAKER IN EXISTING PANEL.
- REFER TO E-403:2 FOR ADDITIONAL WORK IN THIS ROOM.
- CONNECT NEW RECEPTACLES AND DEVICES TO PRESERVED CIRCUITING AND CONTROLS LEFT IN PLACE. EXTEND WITH MATCHING CONDUCTOR AND CONDUIT SIZES AS NEEDED.

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CONSULTANT TEAM STRUCTURAL ENGINEER

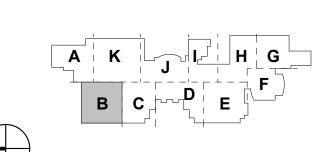
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LANDSCAPE/IRRIGATION KW Landscape Architects 6925 Portwest Drive Suite 100 Houston, TX 77024 346.509.5638

KEYPLAN



REVISION HISTORY

12/20/2024

1 ADDENDUM #2 REVISION DESCRIPTION PROFESSIONAL SEALS





2024 CY RIDGE HS RENOVATION

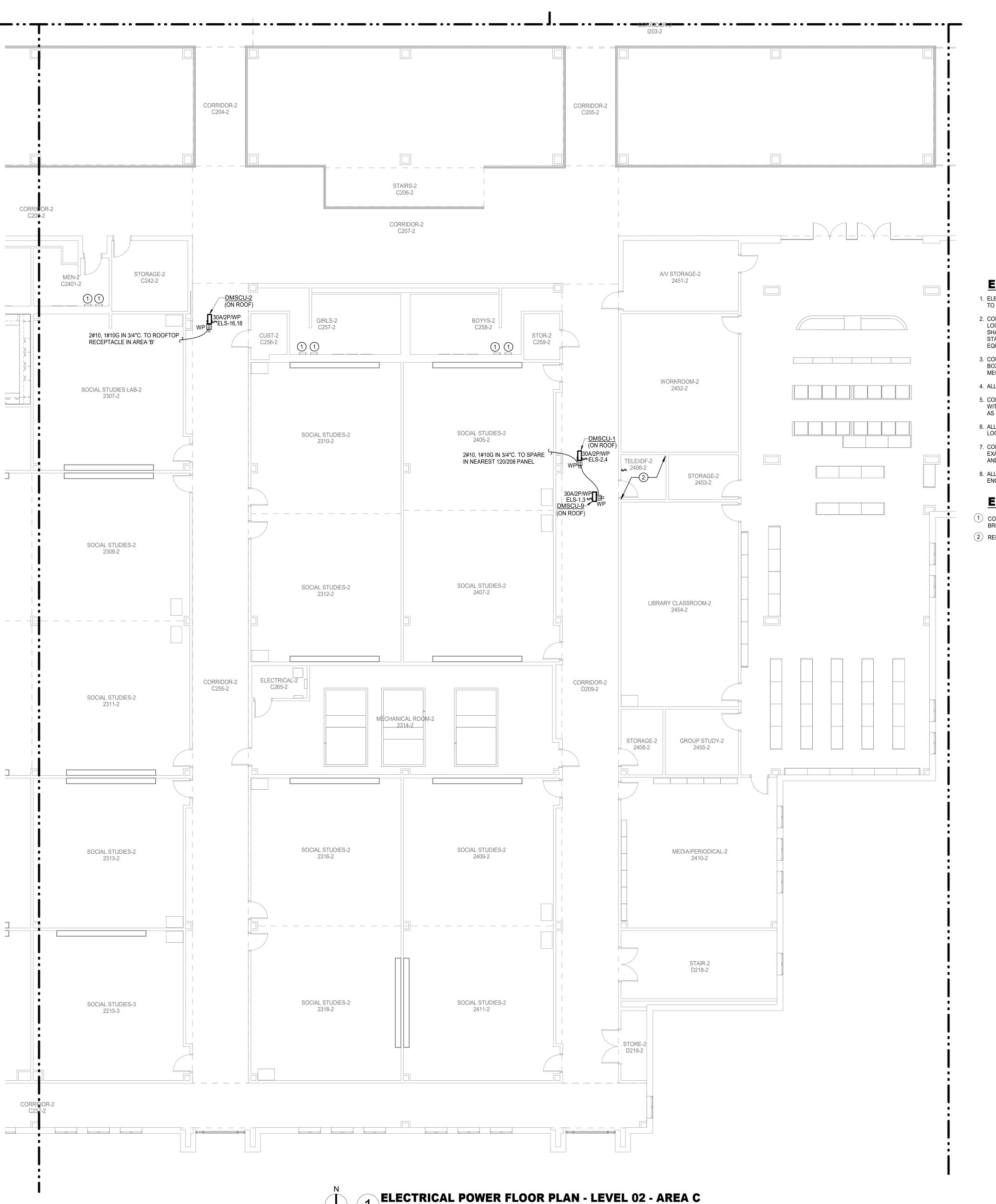
7900 North Eldridge Parkway Houston, TX 77041

33AC23221 ORIGINAL ISSUE

ISSUE FOR PROPOSALS

DECEMBER 09, 2024

ELECTRICAL POWER FLOOR PLAN -LEVEL 2 - AREA B



10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064

Registration: F-4111 Project No: 2023-05942-00

SYMBOL LEGEND POINT OF CONNECTION TO EXISTING ITEM TO REMAIN T ITEM TO BE REMOVED

TEMPORARILY DISCONNECT AND REMOVE ALL CEILING MOUNTED ELECTRICAL DEVICES FOR AREAS THAT REQUIRE CEILING REMOVALS AND/OR REPLACEMENT, INCLUDING MECHANICAL, TECHNOLOGY AND PLUMBING SCOPE OF AFTER COMPLETION RELOCATE TO PREVIOUS LOCATION AS REQUIRED.

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ELECTRICAL GENERAL NOTES:

- 1. ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOAD CAPACITY PRIOR TO INSTALLATION.
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- 3. CONTRACTOR TO COORDINATE EXACT LOCATION OF DISCONNECT SWITCHES, JUNCTION BOXES AND SINGLE POLE TOGGLE SWITCHES FOR MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
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- 8. ALL EXTERIOR OUTLETS SHALL BE WP GFI IN METAL WHILE-IN-USE LOCKABLE ENCLOSURE WITH EXCEPTION TO INTEGRAL RTU RECEPTACLES.

ELECTRICAL KEYED NOTES:

- CONNECT NEW HAND DRYER TO EXISTING WIRING AND PROVIDE NEW 20A LOCK-OFF BREAKER IN EXISTING PANEL.
- 2 REFER TO E-403:3 FOR ADDITIONAL WORK IN THIS ROOM.

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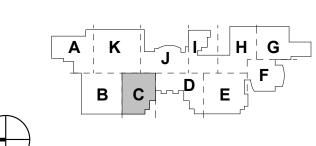
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281.664.1900

CIVIL ENGINEER Brooks & Sparks Inc. 21020 Park Row Dr. Katy, Texas 77449

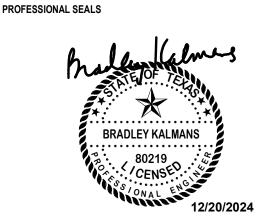
LANDSCAPE/IRRIGATION KW Landscape Architects 6925 Portwest Drive Suite 100 Houston, TX 77024 346.509.5638

KEYPLAN



REVISION HISTORY

1 ADDENDUM #2 12/20/2024 REVISION DESCRIPTION





2024 CY RIDGE HS RENOVATION

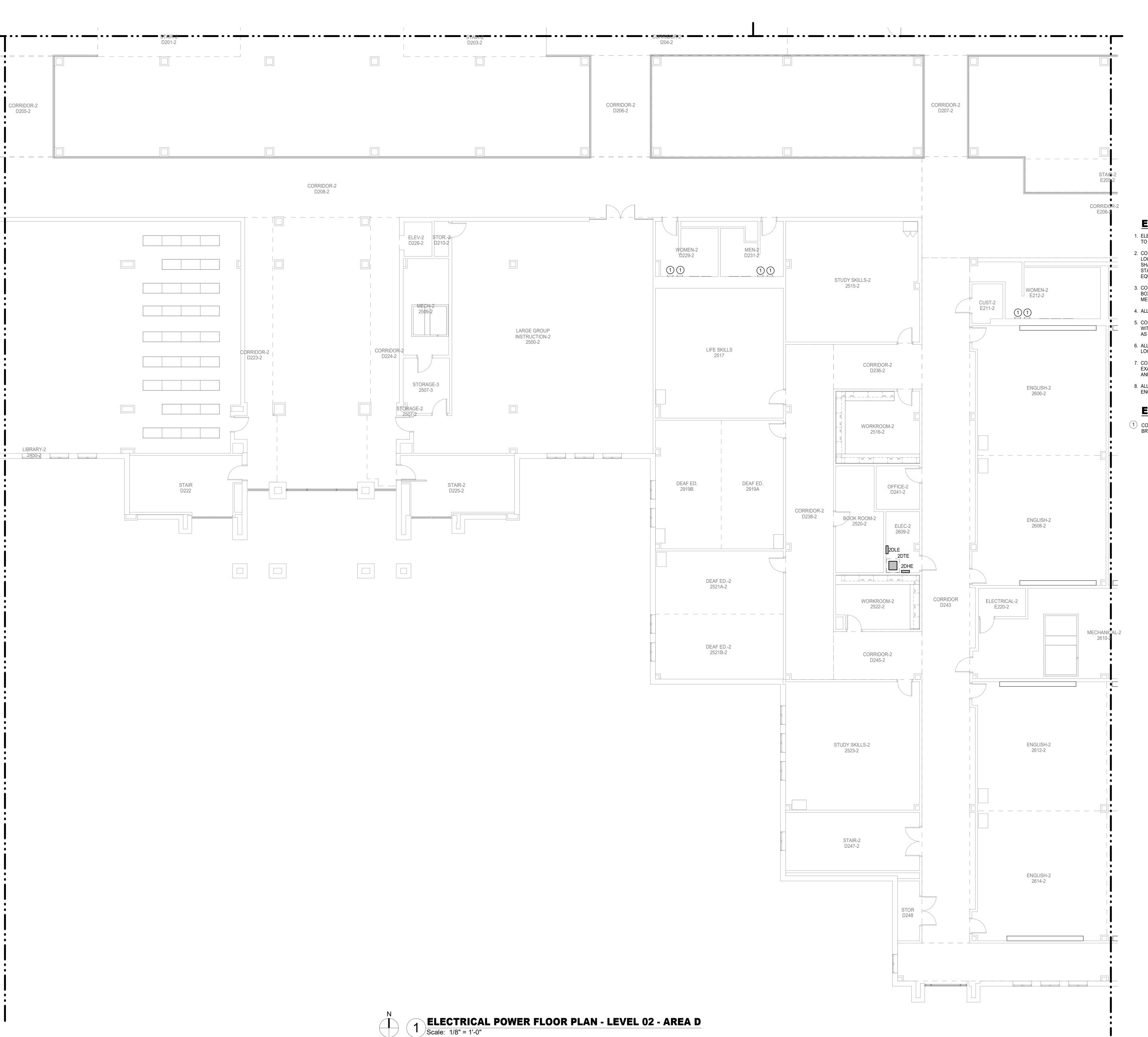
7900 North Eldridge Parkway Houston, TX 77041

33AC23221 ORIGINAL ISSUE

ISSUE FOR PROPOSALS

DECEMBER 09, 2024

ELECTRICAL POWER FLOOR PLAN -LEVEL 2 - AREA C



10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064 Registration: F-4111

SYMBOL LEGEND POINT OF CONNECTION TO EXISTING ITEM TO REMAIN

T ITEM TO BE REMOVED

Project No: 2023-05942-00

TEMPORARILY DISCONNECT AND REMOVE ALL CEILING MOUNTED ELECTRICAL DEVICES FOR AREAS THAT REQUIRE CEILING REMOVALS AND/OR REPLACEMENT, INCLUDING MECHANICAL, TECHNOLOGY AND PLUMBING SCOPE OF AFTER COMPLETION RELOCATE TO PREVIOUS LOCATION AS REQUIRED.

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ELECTRICAL KEYED NOTES:

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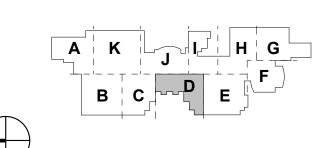
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CIVIL ENGINEER Brooks & Sparks Inc. 21020 Park Row Dr. Katy, Texas 77449

LANDSCAPE/IRRIGATION **KW Landscape Architects** 6925 Portwest Drive Suite 100 Houston, TX 77024 346.509.5638

KEYPLAN



REVISION HISTORY

1 ADDENDUM #2
REVISION DESCRIPTION 12/20/2024





2024 CY RIDGE HS RENOVATION

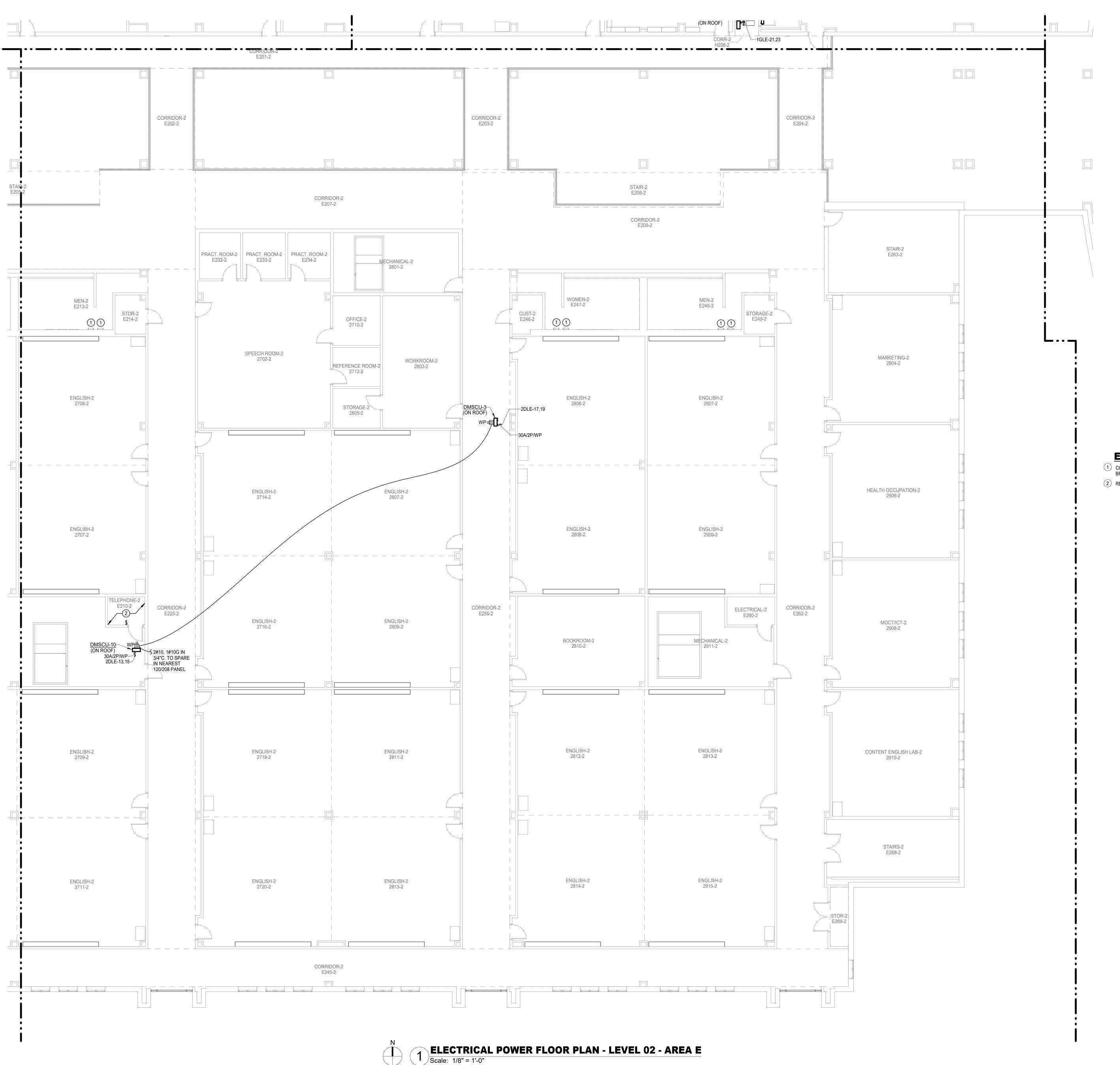
7900 North Eldridge Parkway Houston, TX 77041

33AC23221

ORIGINAL ISSUE ISSUE FOR PROPOSALS

DECEMBER 09, 2024

ELECTRICAL POWER FLOOR PLAN -LEVEL 2 - AREA D



10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064 Registration: F-4111

Project No: 2023-05942-00

☐ ☐ ITEM TO BE REMOVED

SYMBOL LEGEND POINT OF CONNECTION TO EXISTING ITEM TO REMAIN

TEMPORARILY DISCONNECT AND REMOVE ALL CEILING MOUNTED ELECTRICAL DEVICES FOR AREAS THAT REQUIRE CEILING REMOVALS AND/OR REPLACEMENT, INCLUDING MECHANICAL, TECHNOLOGY AND PLUMBING SCOPE OF AFTER COMPLETION RELOCATE TO PREVIOUS LOCATION AS REQUIRED.

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- 8. ALL EXTERIOR OUTLETS SHALL BE WP GFI IN METAL WHILE-IN-USE LOCKABLE ENCLOSURE WITH EXCEPTION TO INTEGRAL RTU RECEPTACLES.

ELECTRICAL KEYED NOTES:

- CONNECT NEW HAND DRYER TO EXISTING WIRING AND PROVIDE NEW 20A LOCK-OFF BREAKER IN EXISTING PANEL.
- (2) REFER TO E-403:5 FOR ADDITIONAL WORK IN THIS ROOM.

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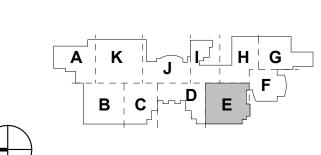
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Houston, TX 77064 Houston, Texas 77042 713.337.8881 281.664.1900 **CIVIL ENGINEER**

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Houston, TX 77024 346.509.5638

KEYPLAN



REVISION HISTORY

12/20/2024

1 ADDENDUM #2 REVISION DESCRIPTION PROFESSIONAL SEALS





2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway

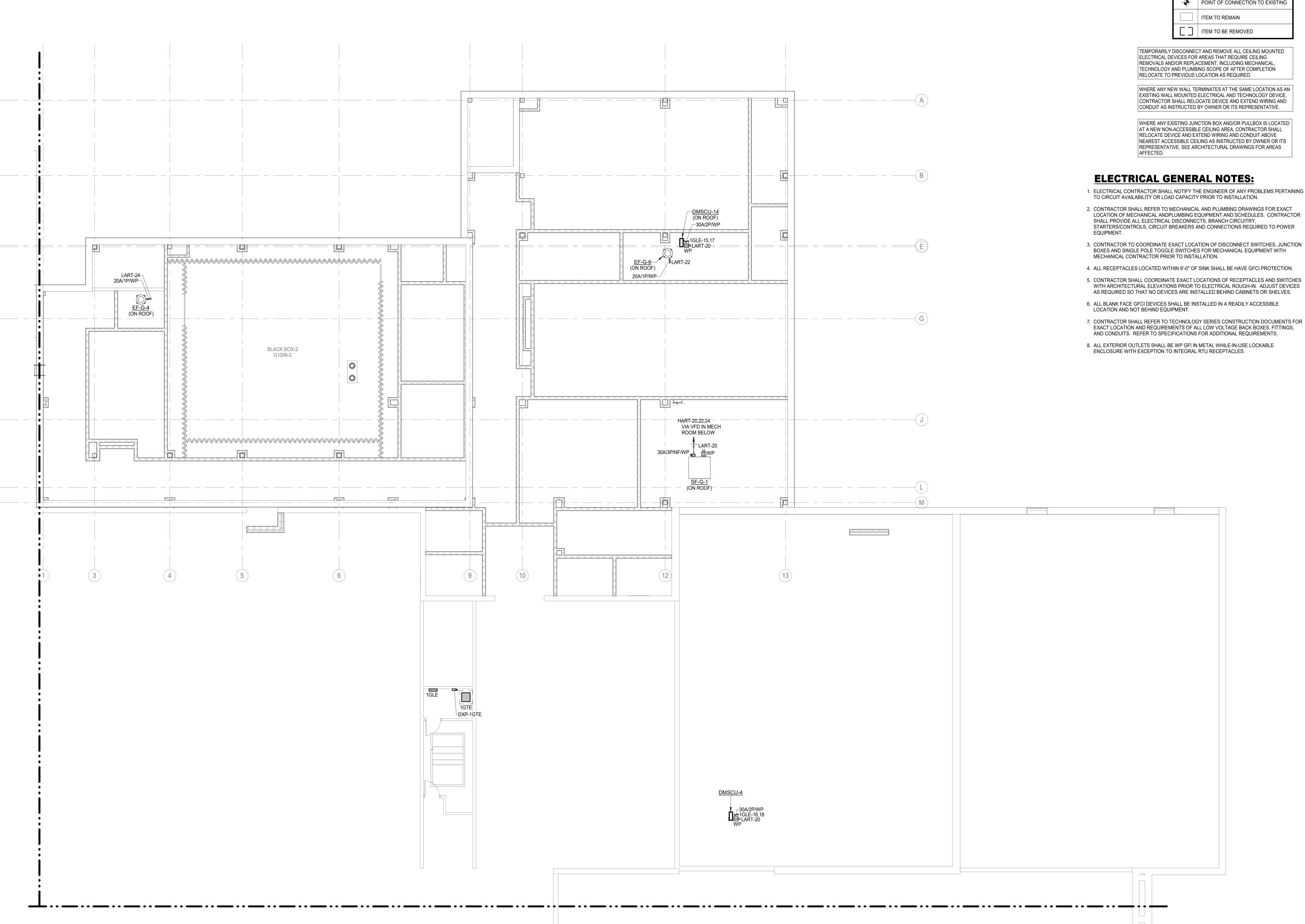
Houston, TX 77041 33AC23221

ORIGINAL ISSUE

ISSUE FOR PROPOSALS

DECEMBER 09, 2024

ELECTRICAL POWER FLOOR PLAN -LEVEL 2 - AREA E



10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064 Registration: F-4111

SYMBOL LEGEND POINT OF CONNECTION TO EXISTING

Project No: 2023-05942-00

TEMPORARILY DISCONNECT AND REMOVE ALL CEILING MOUNTED ELECTRICAL DEVICES FOR AREAS THAT REQUIRE CEILING REMOVALS AND/OR REPLACEMENT, INCLUDING MECHANICAL, TECHNOLOGY AND PLUMBING SCOPE OF AFTER COMPLETION

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- 4. ALL RECEPTACLES LOCATED WITHIN 6'-0" OF SINK SHALL BE HAVE GFCI PROTECTION.
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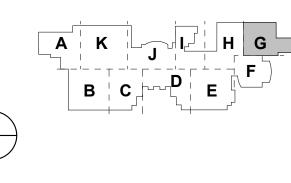
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STRUCTURAL ENGINEER MEP & AV/THEATRICAL ENGINEER Dally + Associates Salas O'Brien 9800 Richmond Avenue 10930 W Sam Houston Pkwy N Suite 900 Houston, Texas 77042 Houston, TX 77064

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REVISION HISTORY

12/20/2024

1 ADDENDUM #2
REVISION DESCRIPTION





2024 CY RIDGE HS RENOVATION

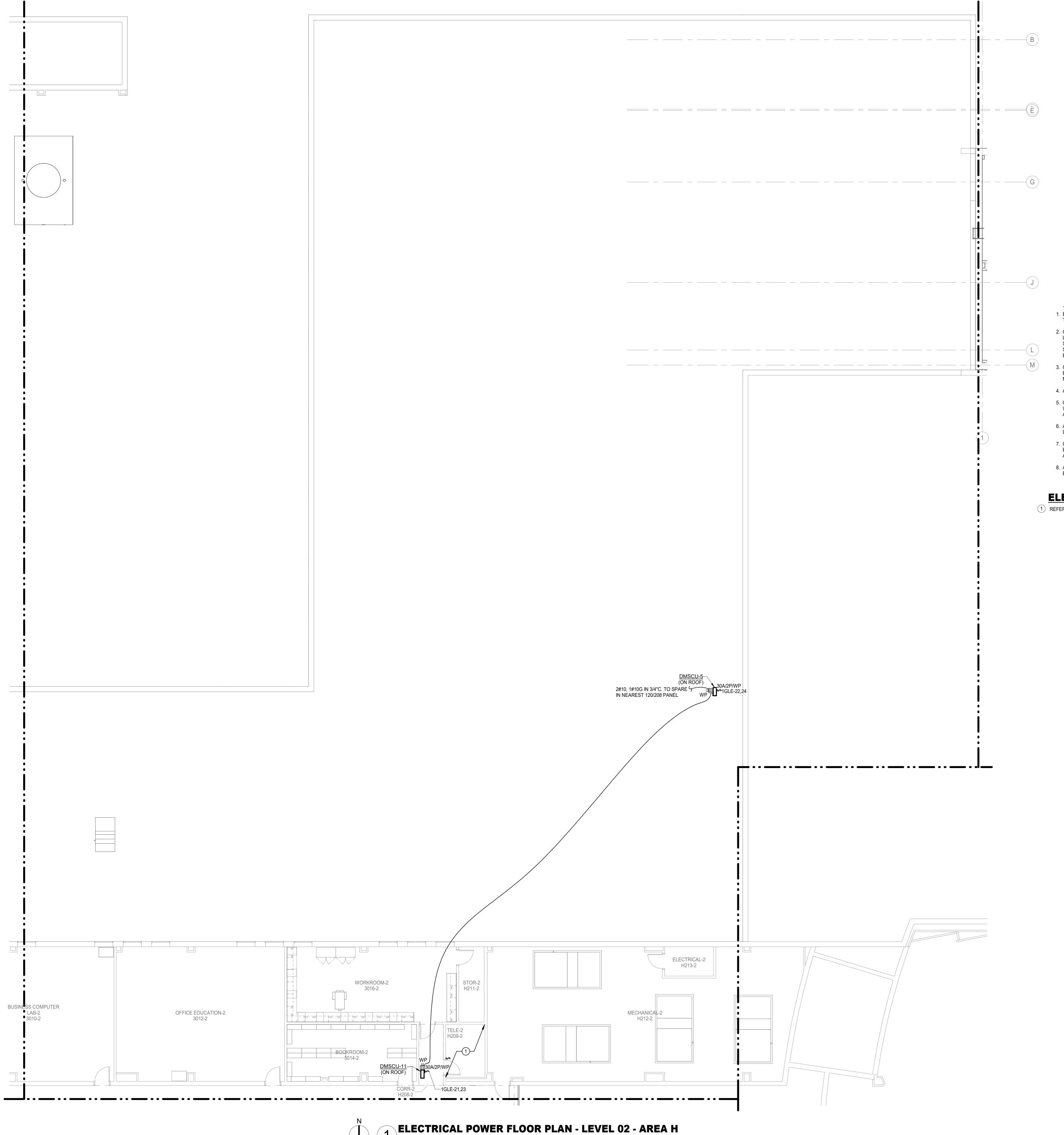
7900 North Eldridge Parkway Houston, TX 77041

PROJECT NUMBER 33AC23221

ORIGINAL ISSUE ISSUE FOR PROPOSALS

DECEMBER 09, 2024

SHEET NAME ELECTRICAL POWER FLOOR PLAN -LEVEL 2 - AREA G



10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064 Registration: F-4111

SYMBOL LEGEND POINT OF CONNECTION TO EXISTING

Project No: 2023-05942-00

ITEM TO REMAIN T ITEM TO BE REMOVED

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WHERE ANY EXISTING JUNCTION BOX AND/OR PULLBOX IS LOCATED AT A NEW NON-ACCESSIBLE CEILING AREA, CONTRACTOR SHALL RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT ABOVE NEAREST ACCESSIBLE CEILING AS INSTRUCTED BY OWNER OR ITS REPRESENTATIVE. SEE ARCHITECTURAL DRAWINGS FOR AREAS AFFECTED.

ELECTRICAL GENERAL NOTES:

- 1. ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOAD CAPACITY PRIOR TO INSTALLATION.
- 281.578.9595 2. CONTRACTOR SHALL REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION OF MECHANICAL ANDPLUMBING EQUIPMENT AND SCHEDULES. CONTRACTOR SHALL PROVIDE ALL ELECTRICAL DISCONNECTS, BRANCH CIRCUITRY, STARTERS/CONTROLS, CIRCUIT BREAKERS AND CONNECTIONS REQUIRED TO POWER EQUIPMENT.
- 3. CONTRACTOR TO COORDINATE EXACT LOCATION OF DISCONNECT SWITCHES, JUNCTION BOXES AND SINGLE POLE TOGGLE SWITCHES FOR MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
- 4. ALL RECEPTACLES LOCATED WITHIN 6'-0" OF SINK SHALL BE HAVE GFCI PROTECTION.
- 5. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF RECEPTACLES AND SWITCHES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ELECTRICAL ROUGH-IN. ADJUST DEVICES AS REQUIRED SO THAT NO DEVICES ARE INSTALLED BEHIND CABINETS OR SHELVES.
- 6. ALL BLANK FACE GFCI DEVICES SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION AND NOT BEHIND EQUIPMENT.
- 7. CONTRACTOR SHALL REFER TO TECHNOLOGY SERIES CONSTRUCTION DOCUMENTS FOR EXACT LOCATION AND REQUIREMENTS OF ALL LOW VOLTAGE BACK BOXES, FITTINGS, AND CONDUITS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 8. ALL EXTERIOR OUTLETS SHALL BE WP GFI IN METAL WHILE-IN-USE LOCKABLE ENCLOSURE WITH EXCEPTION TO INTEGRAL RTU RECEPTACLES.

ELECTRICAL KEYED NOTES:

1 REFER TO E-403:6 FOR ADDITIONAL WORK IN THIS ROOM.

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CIVIL ENGINEER

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Katy, Texas 77449

Houston, Texas 77042

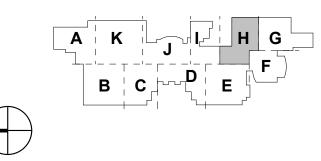
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STRUCTURAL ENGINEER MEP & AV/THEATRICAL ENGINEER Dally + Associates Salas O'Brien 9800 Richmond Avenue

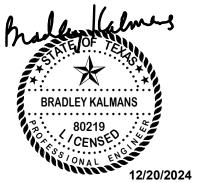
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1 ADDENDUM #2
REVISION DESCRIPTION





2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

PROJECT NUMBER 33AC23221 CHECKED BY

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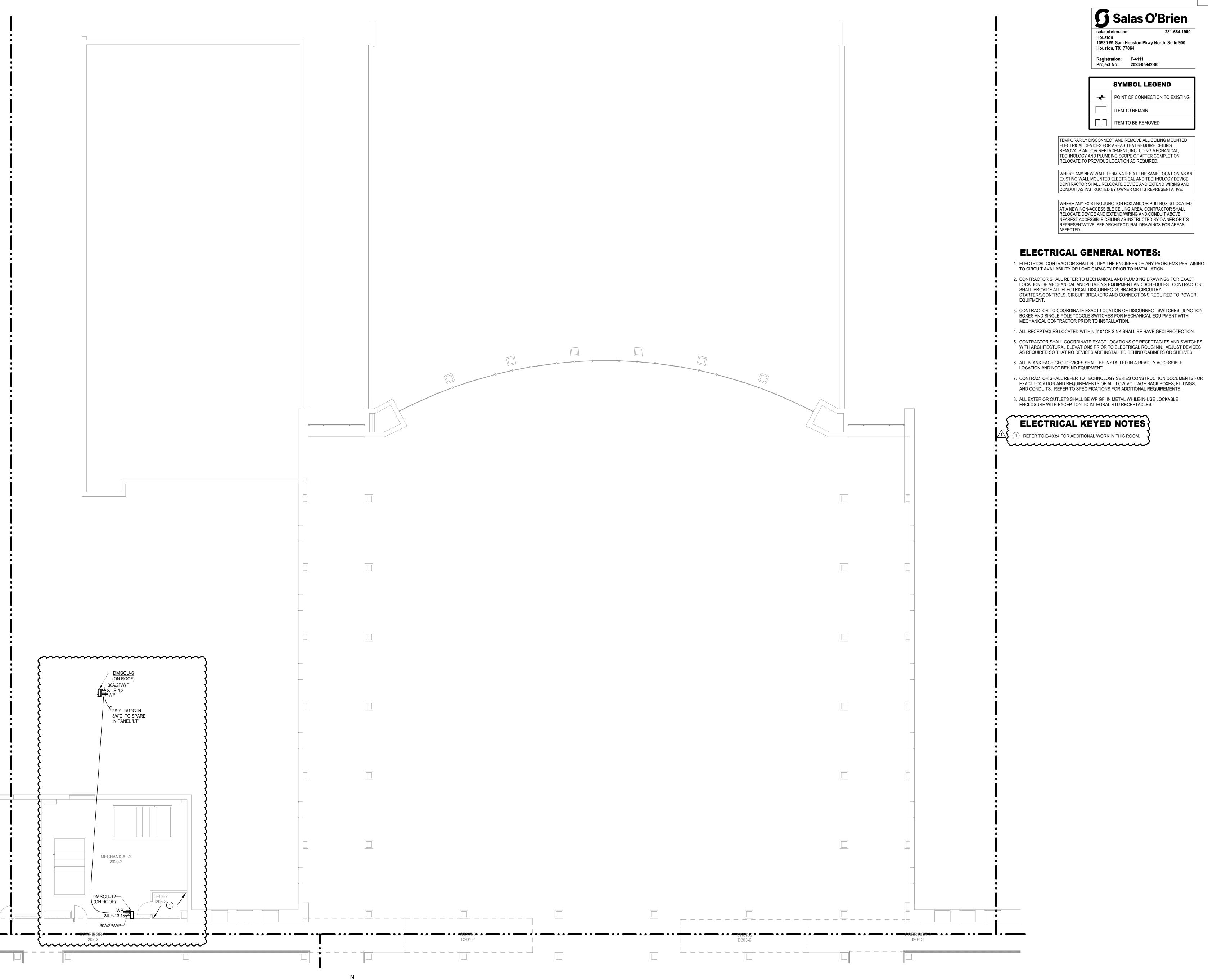
ISSUE FOR PROPOSALS

DECEMBER 09, 2024

SHEET NAME ELECTRICAL POWER FLOOR PLAN -LEVEL 2 - AREA H

SHEET NUMBER

ELECTRICAL POWER FLOOR PLAN - LEVEL 02 - AREA H



10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064 Registration: F-4111

SYMBOL LEGEND

POINT OF CONNECTION TO EXISTING

Project No: 2023-05942-00

ITEM TO REMAIN

TITEM TO BE REMOVED

TEMPORARILY DISCONNECT AND REMOVE ALL CEILING MOUNTED ELECTRICAL DEVICES FOR AREAS THAT REQUIRE CEILING

WHERE ANY NEW WALL TERMINATES AT THE SAME LOCATION AS AN

EXISTING WALL MOUNTED ELECTRICAL AND TECHNOLOGY DEVICE,

CONTRACTOR SHALL RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT AS INSTRUCTED BY OWNER OR ITS REPRESENTATIVE.

WHERE ANY EXISTING JUNCTION BOX AND/OR PULLBOX IS LOCATED AT A NEW NON-ACCESSIBLE CEILING AREA, CONTRACTOR SHALL

RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT ABOVE

NEAREST ACCESSIBLE CEILING AS INSTRUCTED BY OWNER OR ITS

REPRESENTATIVE. SEE ARCHITECTURAL DRAWINGS FOR AREAS

TECHNOLOGY AND PLUMBING SCOPE OF AFTER COMPLETION

RELOCATE TO PREVIOUS LOCATION AS REQUIRED.

AFFECTED.

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281.578.9595

Houston, Texas 77042

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Salas O'Brien 10930 W Sam Houston Pkwy N Suite 900 Houston, TX 77064 281.664.1900

CIVIL ENGINEER LANDSCAPE/IRRIGATION Brooks & Sparks Inc. KW Landscape Architects 21020 Park Row Dr. 6925 Portwest Drive Katy, Texas 77449 Suite 100

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1 ADDENDUM #2
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12/20/2024



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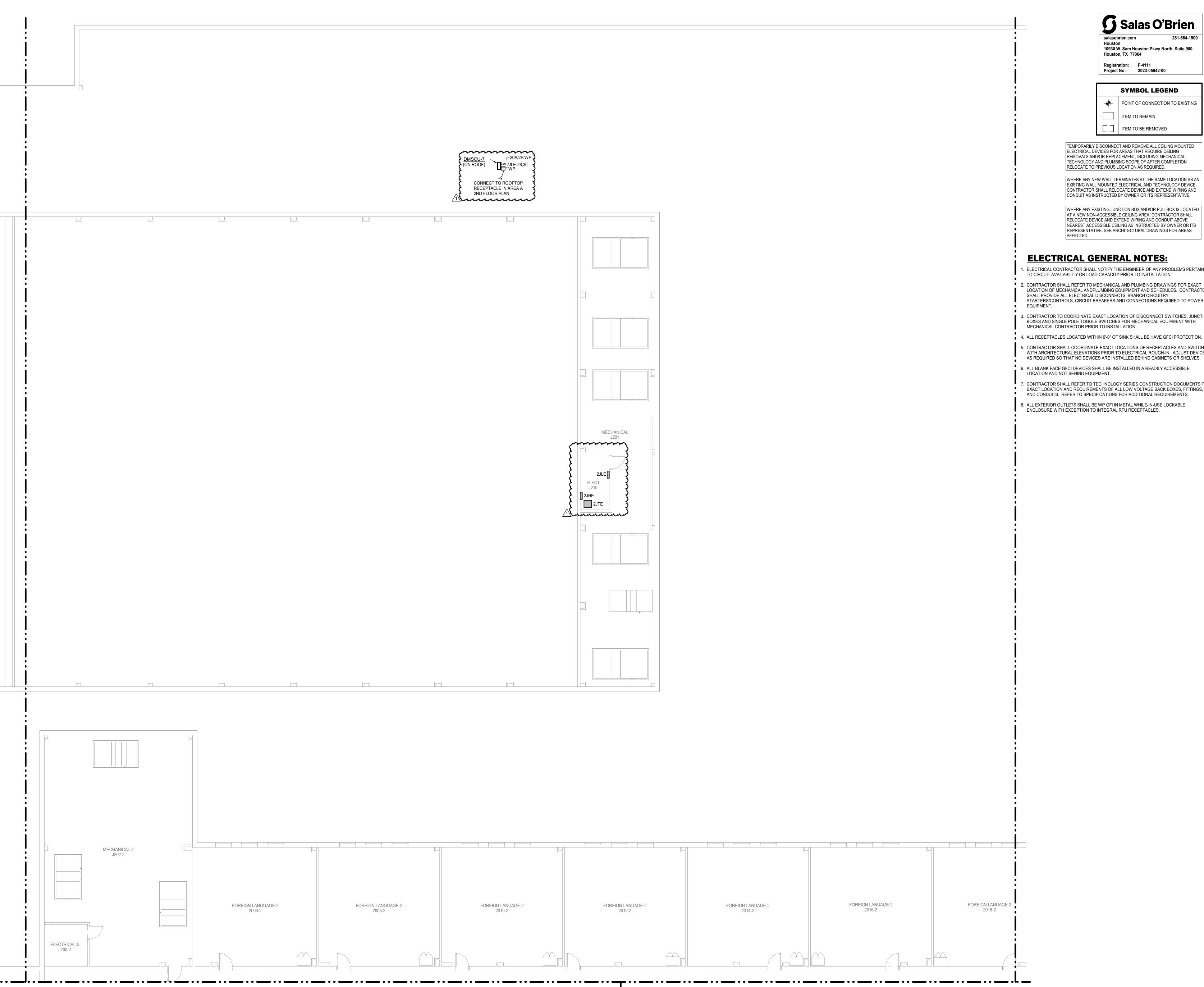
ISSUE FOR PROPOSALS

DECEMBER 09, 2024

SHEET NAME ELECTRICAL POWER FLOOR PLAN -LEVEL 2 - AREA J

SHEET NUMBER

E-321-J



10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064 Registration: F-4111

SYMBOL LEGEND POINT OF CONNECTION TO EXISTING ITEM TO REMAIN TITEM TO BE REMOVED

Project No: 2023-05942-00

TEMPORARILY DISCONNECT AND REMOVE ALL CEILING MOUNTED ELECTRICAL DEVICES FOR AREAS THAT REQUIRE CEILING REMOVALS AND/OR REPLACEMENT, INCLUDING MECHANICAL, TECHNOLOGY AND PLUMBING SCOPE OF AFTER COMPLETION RELOCATE TO PREVIOUS LOCATION AS REQUIRED.

WHERE ANY NEW WALL TERMINATES AT THE SAME LOCATION AS AN EXISTING WALL MOUNTED ELECTRICAL AND TECHNOLOGY DEVICE, CONTRACTOR SHALL RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT AS INSTRUCTED BY OWNER OR ITS REPRESENTATIVE.

WHERE ANY EXISTING JUNCTION BOX AND/OR PULLBOX IS LOCATED AT A NEW NON-ACCESSIBLE CEILING AREA, CONTRACTOR SHALL RELOCATE DEVICE AND EXTEND WIRING AND CONDUIT ABOVE NEAREST ACCESSIBLE CEILING AS INSTRUCTED BY OWNER OR ITS REPRESENTATIVE. SEE ARCHITECTURAL DRAWINGS FOR AREAS AFFECTED.

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- CONTRACTOR SHALL REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION OF MECHANICAL ANDPLUMBING EQUIPMENT AND SCHEDULES. CONTRACTOR SHALL PROVIDE ALL ELECTRICAL DISCONNECTS, BRANCH CIRCUITRY, STARTERS/CONTROLS, CIRCUIT BREAKERS AND CONNECTIONS REQUIRED TO POWER
- 3. CONTRACTOR TO COORDINATE EXACT LOCATION OF DISCONNECT SWITCHES, JUNCTION BOXES AND SINGLE POLE TOGGLE SWITCHES FOR MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
- 5. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF RECEPTACLES AND SWITCHES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ELECTRICAL ROUGH-IN. ADJUST DEVICES AS REQUIRED SO THAT NO DEVICES ARE INSTALLED BEHIND CABINETS OR SHELVES.
- 6. ALL BLANK FACE GFCI DEVICES SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION AND NOT BEHIND EQUIPMENT.
- 7. CONTRACTOR SHALL REFER TO TECHNOLOGY SERIES CONSTRUCTION DOCUMENTS FOR EXACT LOCATION AND REQUIREMENTS OF ALL LOW VOLTAGE BACK BOXES, FITTINGS,
- 8. ALL EXTERIOR OUTLETS SHALL BE WP GFI IN METAL WHILE-IN-USE LOCKABLE ENCLOSURE WITH EXCEPTION TO INTEGRAL RTU RECEPTACLES.

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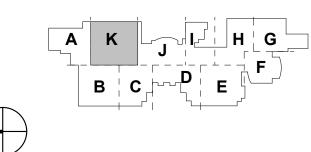
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1 ADDENDUM #2
REVISION DESCRIPTION





2024 CY RIDGE HS RENOVATION

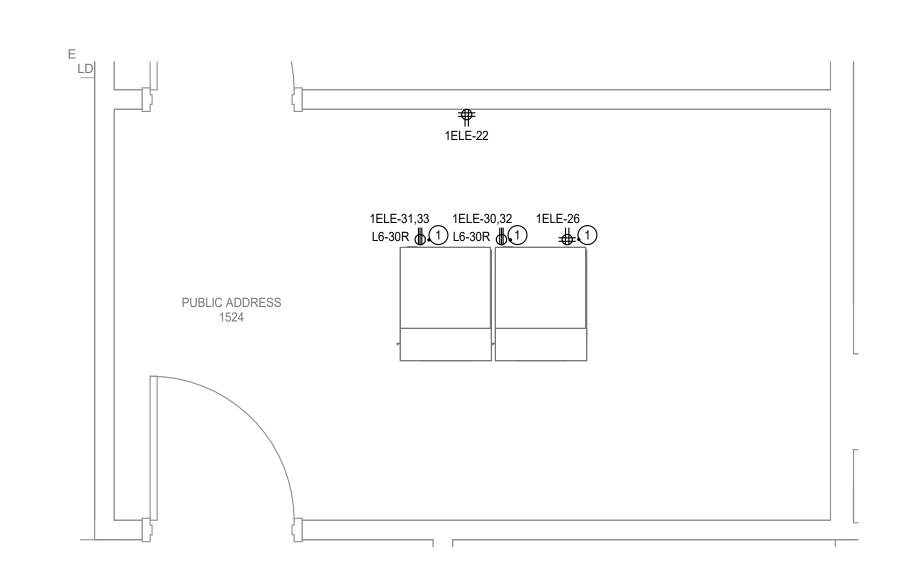
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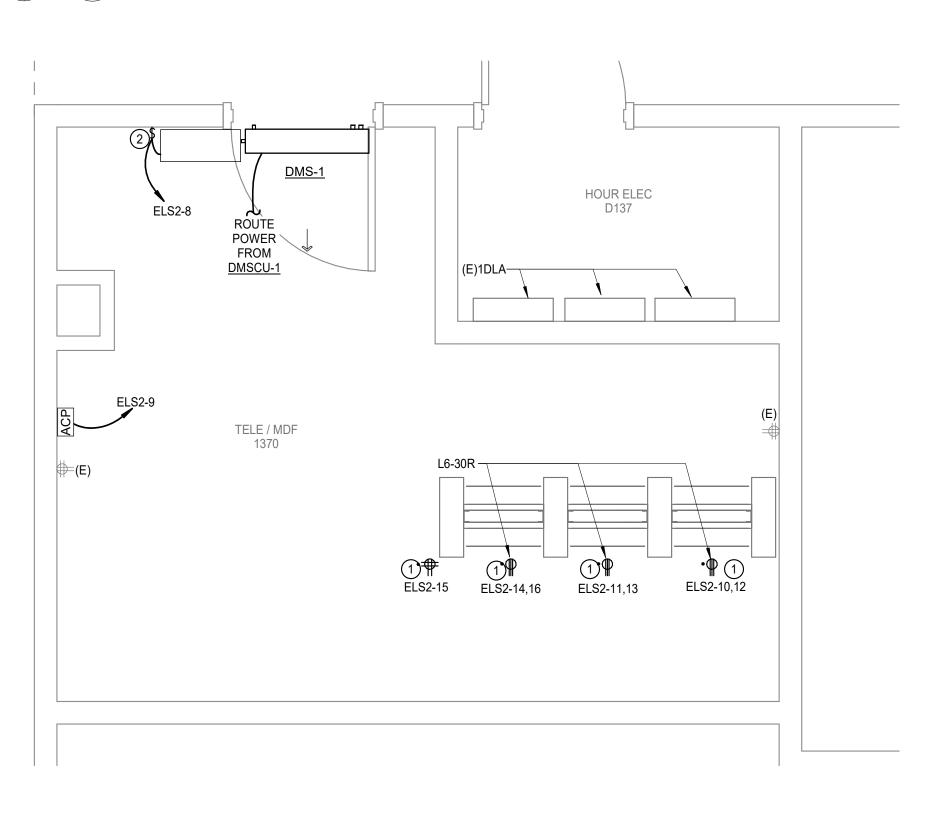
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SHEET NAME

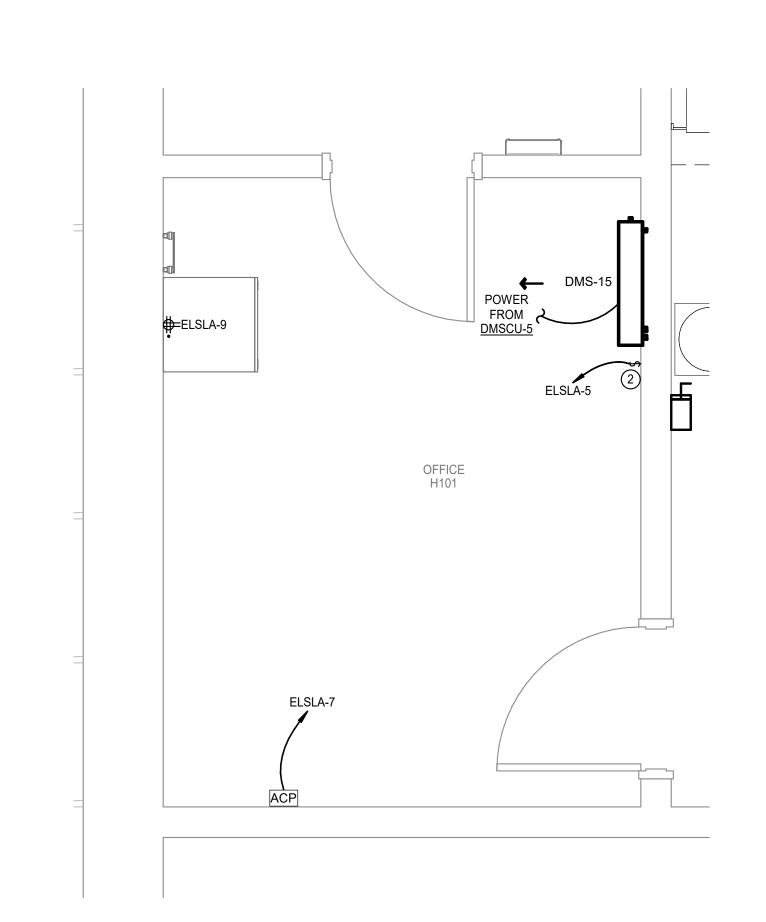
ELECTRICAL POWER FLOOR PLAN -LEVEL 2 - AREA K



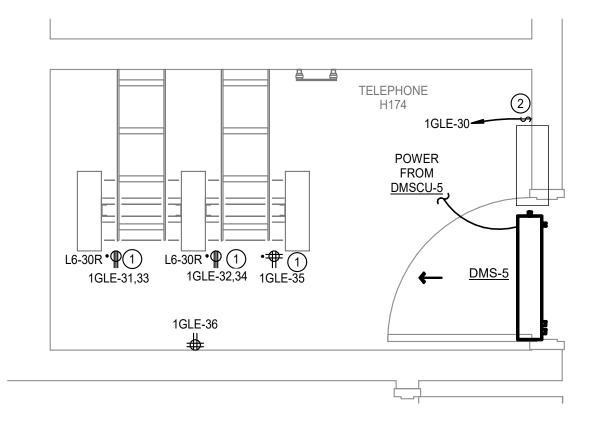
7 ELECTRICAL POWER ENLARGED FLOOR PLAN - PA ROOM
Scale: 1/2" = 1'-0"



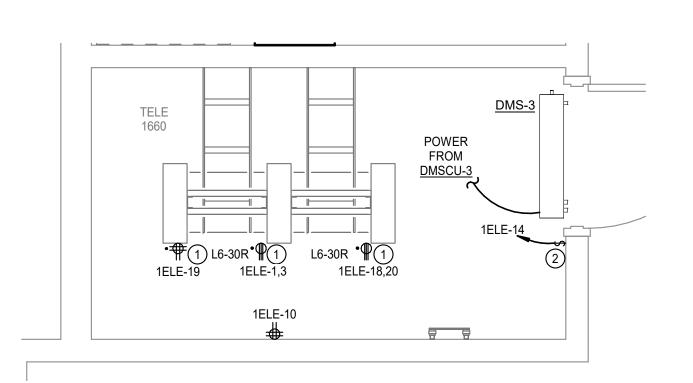
6 ELECTRICAL POWER ENLARGED FLOOR PLAN - MDF
Scale: 1/2" = 1'-0"



5 ELECTRICAL POWER ENLARGED FLOOR PLAN - IDF N
Scale: 1/2" = 1'-0"



4 ELECTRICAL POWER ENLARGED FLOOR PLAN - IDF F
Scale: 1/2" = 1'-0"



3 ELECTRICAL POWER ENLARGED FLOOR PLAN - IDF E
Scale: 1/2" = 1'-0"

ELECTRICAL KEYED NOTES

1) MOUNT ABOVE BACK OF RACK. REFER TO DETAIL.

2) COORDINATE WITH DIVISION 26 TO PROVIDE/CONNECT CIRCUIT AND 20A/1P DISCONNECT FOR DMS CONDENSATE PUMP.



Registration: F-4111 Project No: 2023-05942-00



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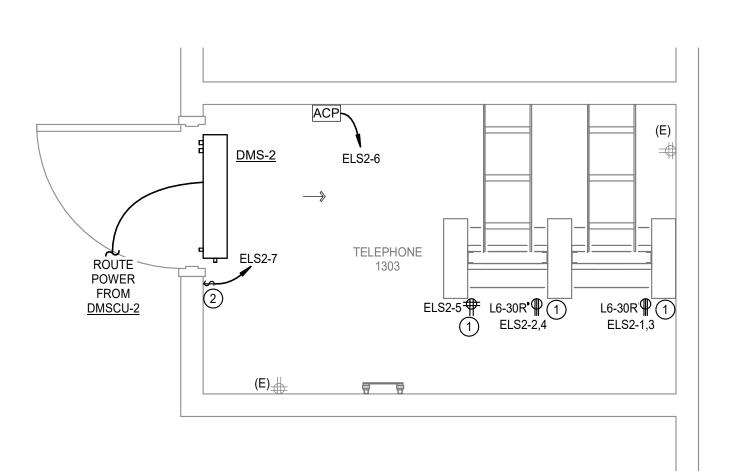
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Salas O'Brien

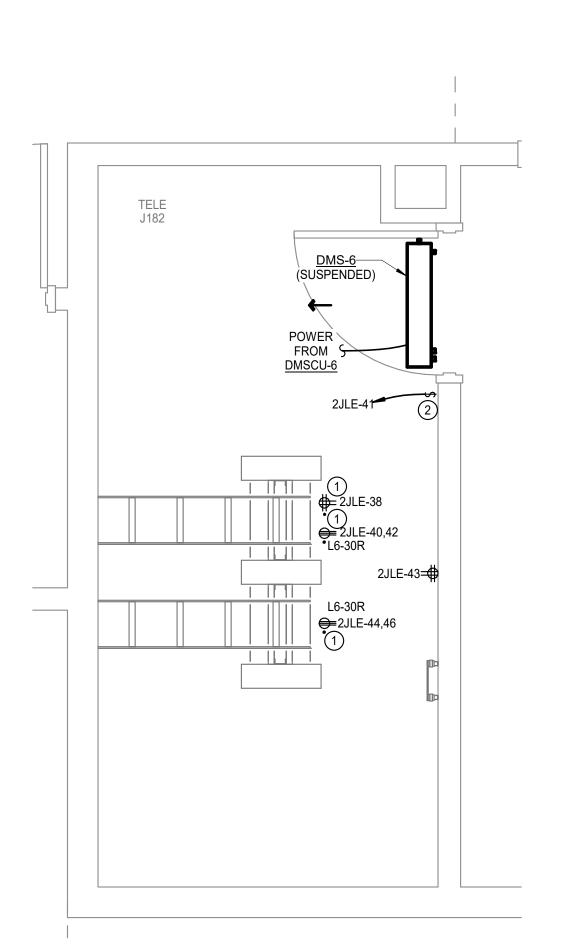
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Suite 900

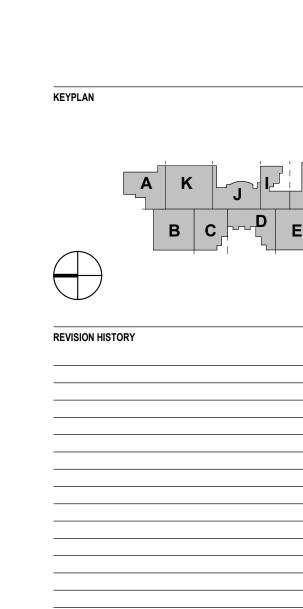


ELECTRICAL POWER ENLARGED FLOOR PLAN - IDF C

| Scale: 1/2" = 1'-0"



ELECTRICAL POWER ENLARGED FLOOR PLAN - IDF B



1 ADDENDUM #2
REVISION DESCRIPTION

12/20/2024 DATE



2024 CY RIDGE HS RENOVATION

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ORIGINAL ISSUE

ISSUE FOR PROPOSALS DECEMBER 09, 2024

ELECTRICAL ENLARGED FLOOR PLANS

- LEVEL 1

ELECTRICAL KEYED NOTES

- MOUNT ABOVE BACK OF RACK. REFER TO DETAIL.
- COORDINATE WITH DIVISION 26 TO PROVIDE/CONNECT CIRCUIT AND 20A/1P DISCONNECT FOR DMS CONDENSATE PUMP.

Salas O'Brien

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REVISION HISTORY

1 ADDENDUM #2
REVISION DESCRIPTION

12/20/2024 DATE



PROJECT 2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

33AC23221

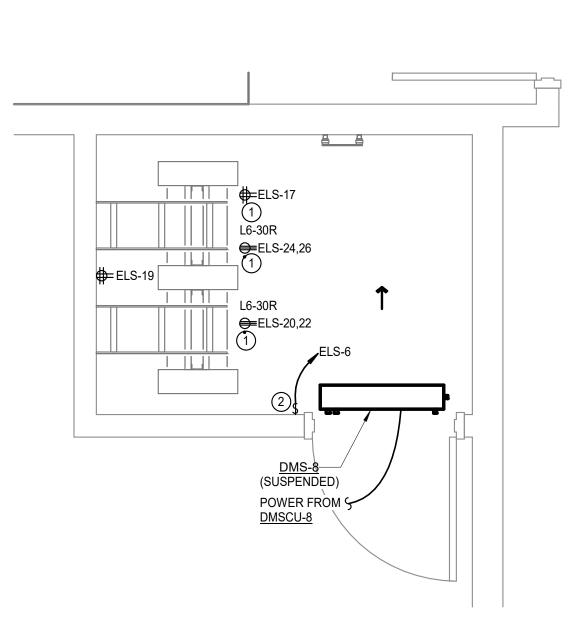
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DECEMBER 09, 2024

ELECTRICAL ENLARGED FLOOR PLANS

- LEVEL 2

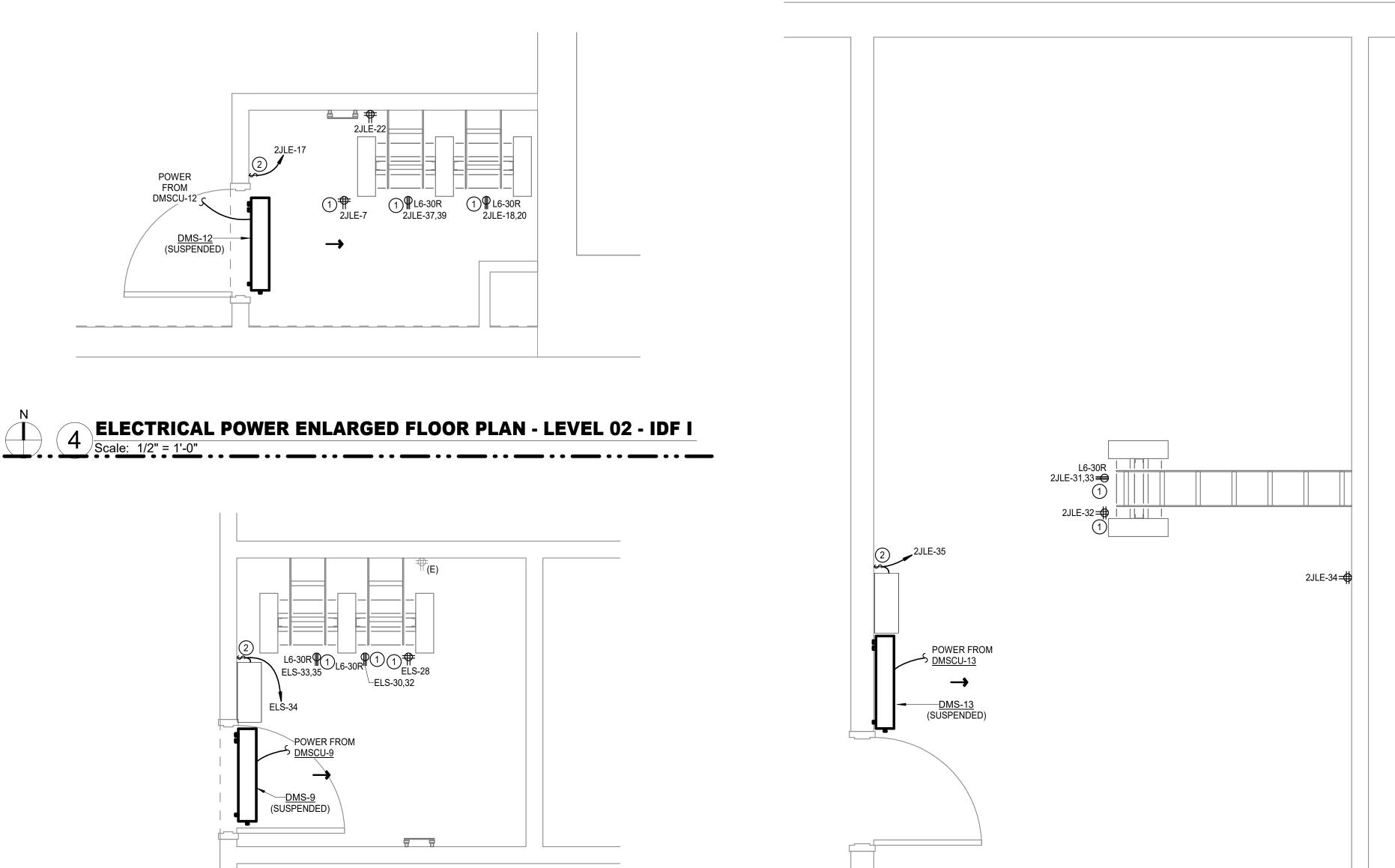
SHEET NUMBER





1 ELECTRICAL POWER ENLARGED FLOOR PLAN - LEVEL 02 - IDF B202

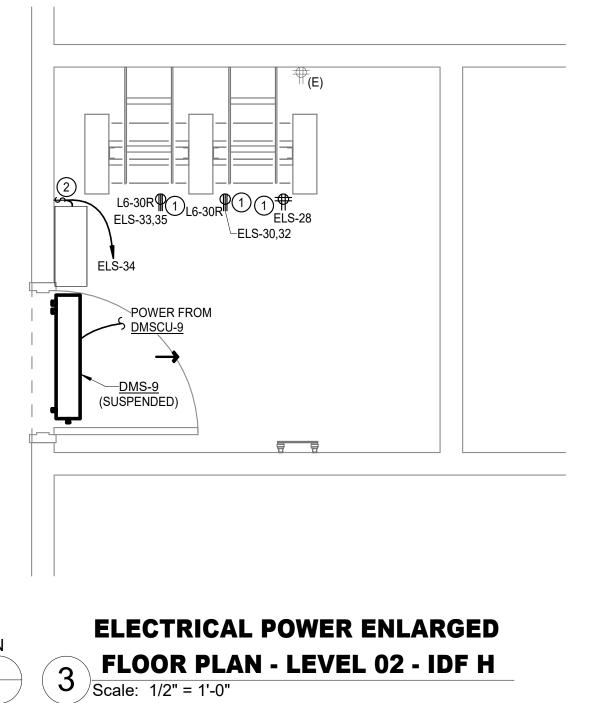
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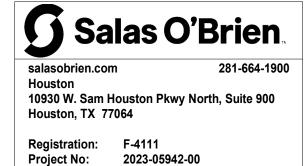
6 ELECTRICAL POWER ENLARGED FLOOR PLAN - LEVEL 02 - IDF K
Scale: 1/2" = 1'-0"

POWER FROM DMSCU-10



POWER FROM DMSCU-12 S

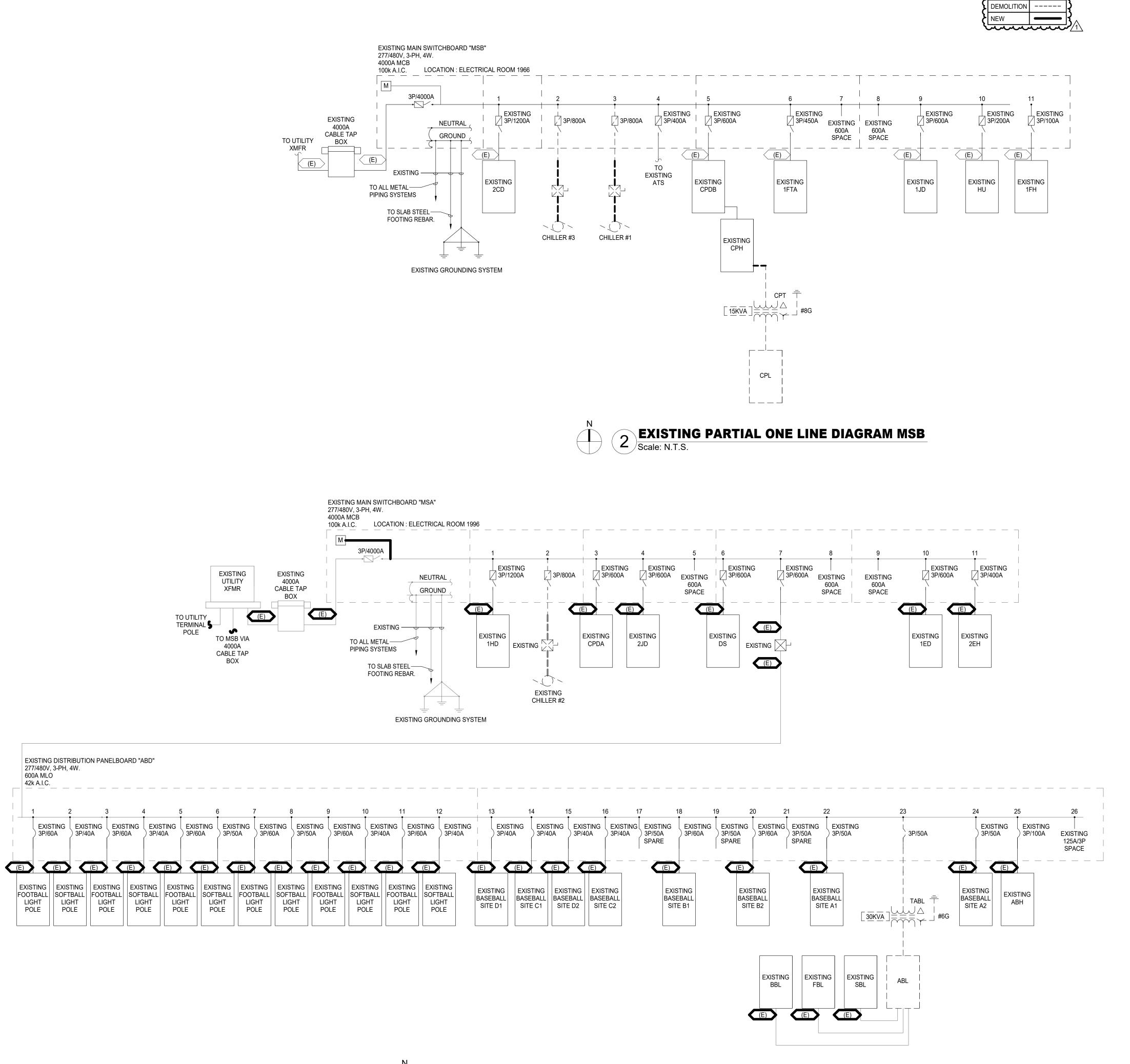
<u>DMS-12</u> (SUSPENDED)



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LINETYPE LEGEND

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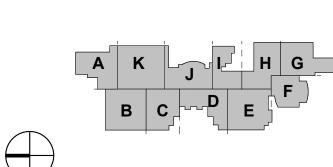
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REVISION HISTORY

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1 ADDENDUM #2
REVISION DESCRIPTION





2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

PROJECT NUMBER 33AC23221 **CHECKED BY** 

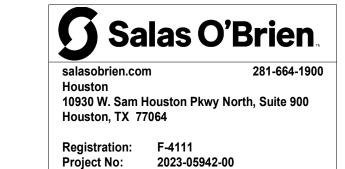
ORIGINAL ISSUE ISSUE FOR PROPOSALS DECEMBER 09, 2024

ELECTRICAL DEMOLITION ONE-LINE

SHEET NUMBER

E-500

EXISTING PARTIAL ONE LINE DIAGRAM MSA
Scale: 12" = 1'-0"





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LANDSCAPE/IRRIGATION

6925 Portwest Drive

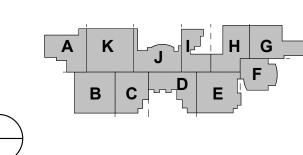
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Katy, Texas 77449
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REVISION HISTORY

1 ADDENDUM #2
REVISION DESCRIPTION
PROFESSIONAL SEALS



12/20/2024

DATE

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2024 CY RIDGE HS RENOVATION

RENOVATION
7900 North Eldridge Parkway
Houston, TX 77041

PROJECT NUMBER
33AC23221

DRAWN BY

ABBREVIA
CFISD

CHECKED

DRAWN BY CHECKED BY AW JZ

ORIGINAL ISSUE

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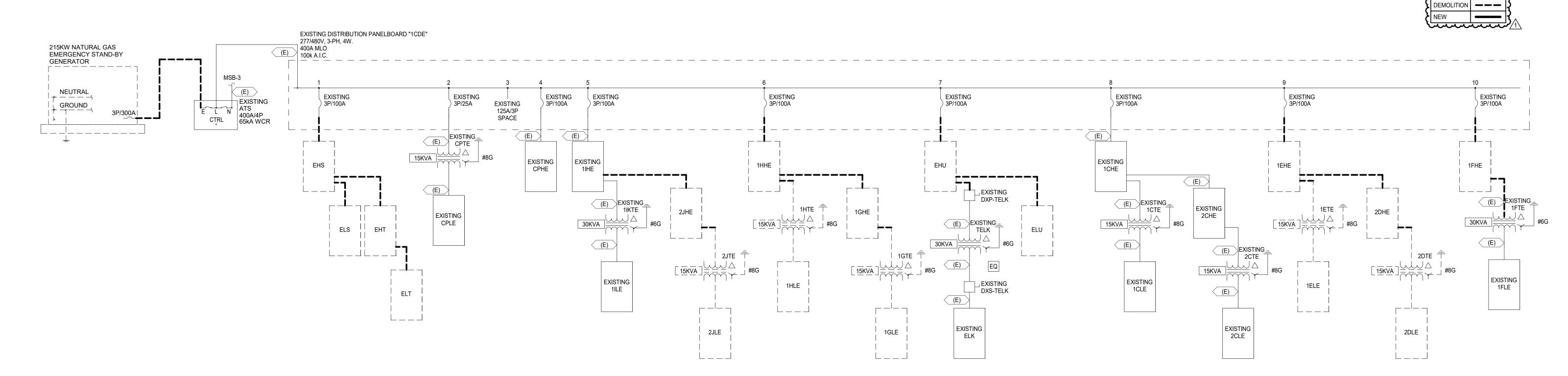
DECEMBER 09, 2024

SHEET NAME

ELECTRICAL DEMOLITION EMERGENCY ONE-LINE

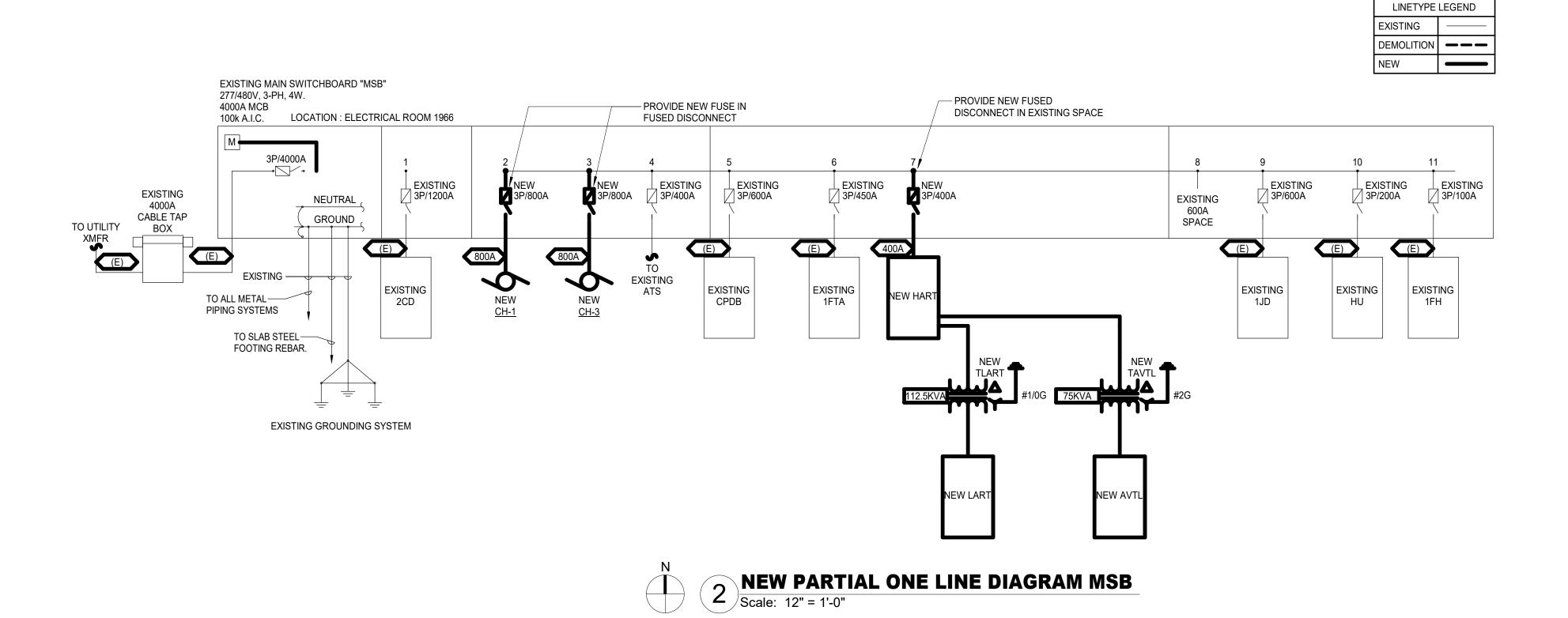
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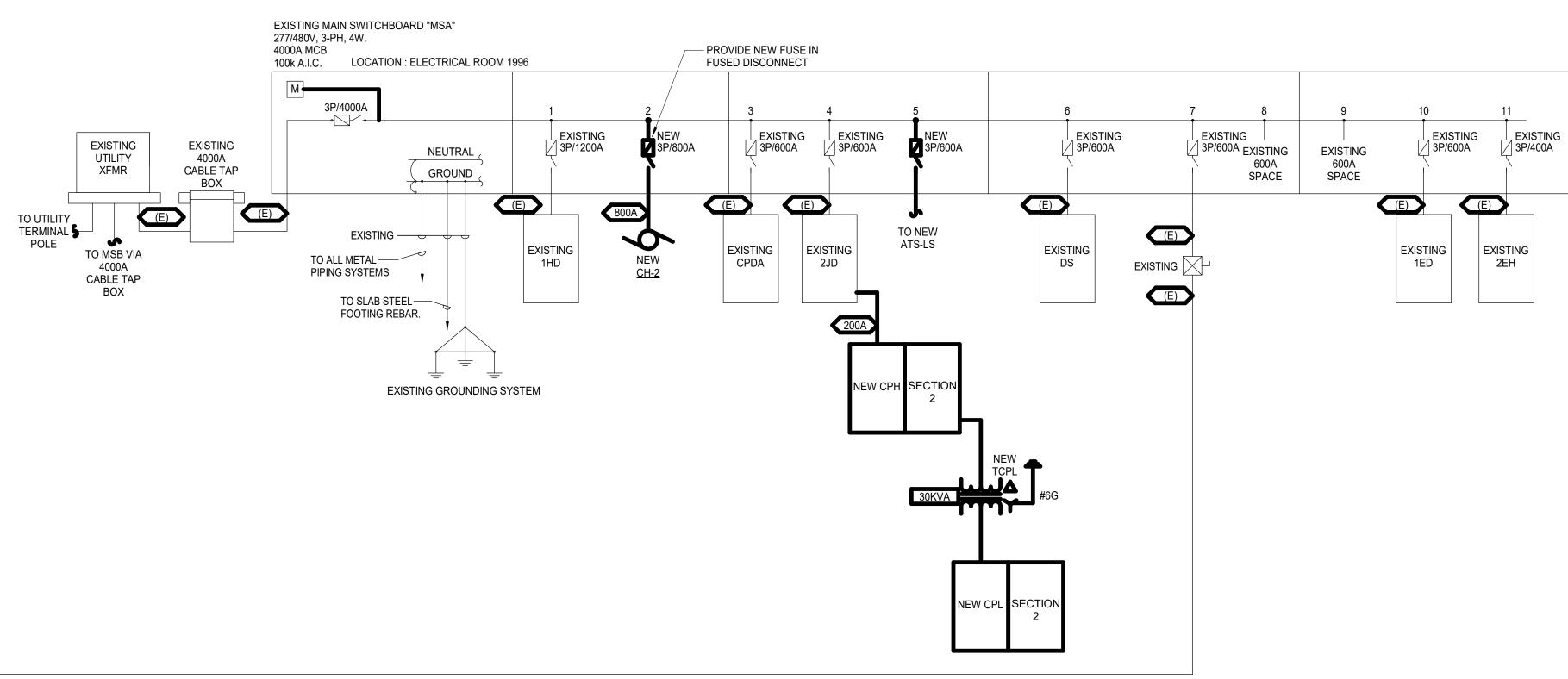
E-501

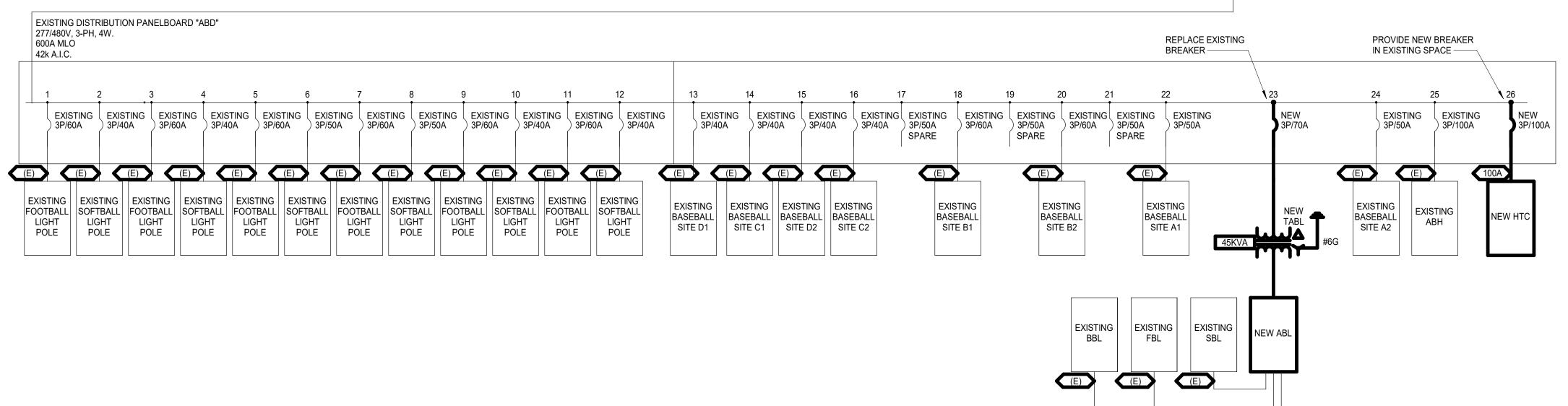


EXISTING PARTIAL ONE LINE DIAGRAM EMERGENCY









FEEDER SCHEDULE

(4) #3/0

(4) #350KCMIL (4) #300KCMIL

TRANSFORMER SCHEDULE

1"C 1-1/4"C 1-1/4"C 2"C 2-1/2"C

2-1/2"C 3-1/2"C

SECONDARY (208V 3PH 4W)

4#1/0, 2"C, 1#6G

4#250KCMIL, 3"C, 1#4G

(2) SETS: 4#3/0, 2-1/2"C, 1#1/0G

AMPERAGE

100A

30KVA

75KVA

112.5KVA

**PRIMARY (480V 3PH 3W)** 

3#10, 3/4"C, 1#12G

3#6, 1"C, 1#10G

3#1, 1-1/4"C, 1#6G

3#2/0, 1-1/2"C, 1#6G



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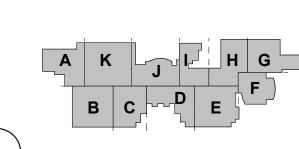
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2024 CY RIDGE HS RENOVATION

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ORIGINAL ISSUE ISSUE FOR PROPOSALS

ELECTRICAL NEW ONE-LINE

DECEMBER 09, 2024 SHEET NAME



10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064

Registration: F-4111

Project No: 2023-05942-00

INTERCEPT ALL EXISTING BRANCH CIRCUITS WITH ARTICLE 701 AND 702 EMERGENCY LOADS FROM PANEL '1GHE' EXTEND CONDUIT AND CONDUCTORS TO PANEL 'CPHE'.

REFER TO PANEL SCHEDULE FOR CONDUCTOR SIZING.

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KEYPLAN

REVISION HISTORY

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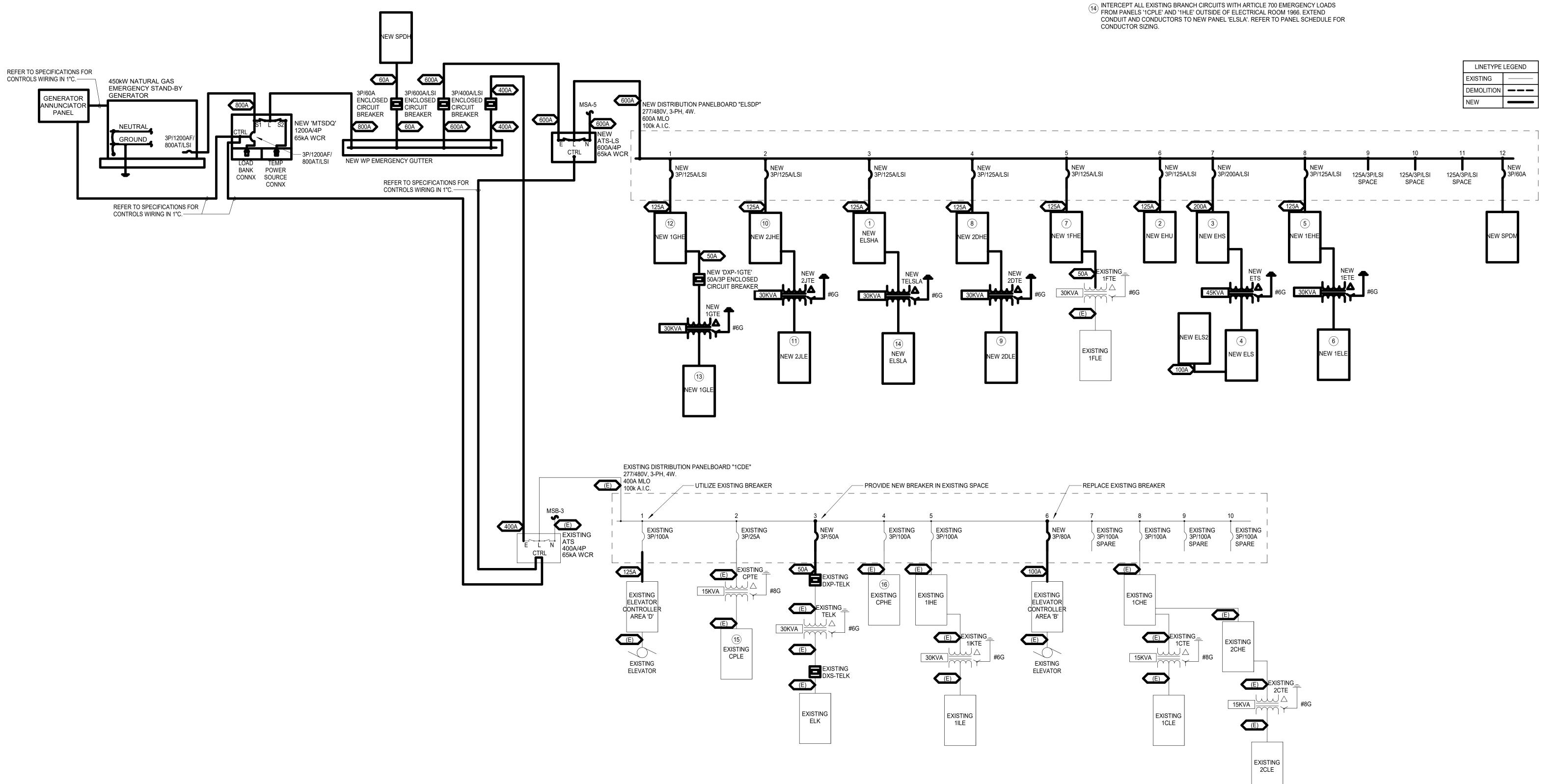
### **ELECTRICAL KEYED NOTES:**

- INTERCEPT ALL EXISTING BRANCH CIRCUITS WITH ARTICLE 700 EMERGENCY LOADS FROM PANELS '1CPHE' AND '1HHE' OUTSIDE OF ELECTRICAL ROOM 1966. EXTEND

  INTERCEPT ALL EXISTING BRANCH CIRCUITS WITH ARTICLE 701 AND 702 EMERGENCY LOADS FROM PANELS '1ELU', '1GLE' AND '1ELE' EXTEND CONDUIT AND CONDUCTORS TO CONDUIT AND CONDUCTORS TO NEW PANEL 'ELSHA'. REFER TO PANEL SCHEDULE FOR PANEL 'CPLE'. REFER TO PANEL SCHEDULE FOR CONDUCTOR SIZING.
- RECONNECT ALL EXISTING BRANCH CIRCUITS WITH ARTICLE 700 EMERGENCY LOADS FROM PANEL 'EHU'. EXTEND CONDUIT AND CONDUCTORS AS NEEDED TO NEW PANEL 'EHU'. REFER TO PANEL SCHEDULE FOR CONDUCTOR SIZING.
- RECONNECT ALL EXISTING BRANCH CIRCUITS WITH ARTICLE 700 EMERGENCY LOADS FROM PANELS 'EHS', '2CHE' AND '1CHE'. EXTEND CONDUIT AND CONDUCTORS AS NEEDED TO NEW PANEL 'EHS'. REFER TO PANEL SCHEDULE FOR CONDUCTOR SIZING.
- RECONNECT ALL EXISTING BRANCH CIRCUITS WITH ARTICLE 700 EMERGENCY LOADS FROM PANELS 'ELS', '2CLE' AND '1CLE'. EXTEND CONDUIT AND CONDUCTORS AS NEEDED TO NEW PANEL 'ELS. REFER TO PANEL SCHEDULE FOR CONDUCTOR SIZING. RECONNECT ALL EXISTING BRANCH CIRCUITS WITH ARTICLE 700 EMERGENCY LOADS
- FROM PANELS '1EHE'. EXTEND CONDUIT AND CONDUCTORS AS NEEDED TO NEW PANEL '1EHE'. REFER TO PANEL SCHEDULE FOR CONDUCTOR SIZING.
- RECONNECT ALL EXISTING BRANCH CIRCUITS WITH ARTICLE 700 EMERGENCY LOADS FROM PANELS '1ELE'. EXTEND CONDUIT AND CONDUCTORS AS NEEDED TO NEW PANEL '1ELE'. REFER TO PANEL SCHEDULE FOR CONDUCTOR SIZING.
- RECONNECT ALL EXISTING BRANCH CIRCUITS WITH ARTICLE 700 EMERGENCY LOADS  $^{\!\!\!/}$  FROM PANELS '1FHE'. EXTEND CONDUIT AND CONDUCTORS AS NEEDED TO NEW PANEL '1FHE'. REFER TO PANEL SCHEDULE FOR CONDUCTOR SIZING.
- $^{\circ}$  From Panels '2DHE'. Extend conduit and conductors as needed to New Panel . '2DHE'. REFER TO PANEL SCHEDULE FOR CONDUCTOR SIZING.

√ RECONNECT ALL EXISTING BRANCH CIRCUITS WITH ARTICLE 700 EMERGENCY LOADS

- RECONNECT ALL EXISTING BRANCH CIRCUITS WITH ARTICLE 700 EMERGENCY LOADS FROM PANELS '2DLE'. EXTEND CONDUIT AND CONDUCTORS AS NEEDED TO NEW PANEL '2DLE'. REFER TO PANEL SCHEDULE FOR CONDUCTOR SIZING.
- ↑ RECONNECT ALL EXISTING BRANCH CIRCUITS WITH ARTICLE 700 EMERGENCY LOADS  $^{99}$  FROM PANELS '2JHE' AND '1IHE". EXTEND CONDUIT AND CONDUCTORS AS NEEDED TO NEW PANEL '2JHE'. REFER TO PANEL SCHEDULE FOR CONDUCTOR SIZING.
- RECONNECT ALL EXISTING BRANCH CIRCUITS WITH ARTICLE 700 EMERGENCY LOADS FROM PANELS '2JLE' AND '1ILE'. EXTEND CONDUIT AND CONDUCTORS AS NEEDED TO NEW PANEL '2JLE'. REFER TO PANEL SCHEDULE FOR CONDUCTOR SIZING.
- RECONNECT ALL EXISTING BRANCH CIRCUITS WITH ARTICLE 700 EMERGENCY LOADS FROM PANELS '1GHE'. EXTEND CONDUIT AND CONDUCTORS AS NEEDED TO NEW PANEL '1GHE'. REFER TO PANEL SCHEDULE FOR CONDUCTOR SIZING.
- RECONNECT ALL EXISTING BRANCH CIRCUITS WITH ARTICLE 700 EMERGENCY LOADS FROM PANELS '1GLE' AND 'ELU'. EXTEND CONDUIT AND CONDUCTORS AS NEEDED TO NEW PANEL '1GLE'. REFER TO PANEL SCHEDULE FOR CONDUCTOR SIZING.
- FROM PANELS '1CPLE' AND '1HLE' OUTSIDE OF ELECTRICAL ROOM 1966. EXTEND



NEW PARTIAL ONE LINE DIAGRAM EMERGENCY
Scale: 12" = 1'-0"

1 ADDENDUM #2 12/20/2024 REVISION DESCRIPTION



2024 CY RIDGE HS RENOVATION 7900 North Eldridge Parkway

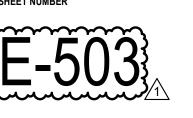
Houston, TX 77041 33AC23221

ORIGINAL ISSUE

ISSUE FOR PROPOSALS DECEMBER 09, 2024

SHEET NAME

ELECTRICAL NEW EMERGENCY ONE-LINE



CONTRACTOR SHALL RECORD AND/OR PRESERVE THE EXISTING CIRCUIT DIRECTORY, IF ANY, FOR THE SOLE PURPOSE UPON COMPLETION OF NEW WORK OF PRODUCING A NEW DIRECTORY.

CONTRACTOR SHALL PROVIDE AS PART OF THE CONSTRUCTION DOCUMENTS A NEW, NEATLY TYPED DIRECTORY. CONTRACTOR SHALL TRACE EXISTING CIRCUITS AND SHALL LEGIBLY IDENTIFY AS TO IT'S CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE, LOADS SERVED, LOCATION AND/OR THE PANELBOARD SCHEDULE ON THE DRAWINGS. THE WORD "EXISTING" SHALL NOT BE USED ON PANELBOARD DIRECTORIES. SPARE BREAKERS ARE TO BE LISTED AS "SPARE" AND SWITCHED TO THE OFF POSITION. SPACES WITH NO BREAKERS ARE TO BE LEFT BLANK. REFER TO NEC-2023: 408.4(A) FOR DETAILS.

CONTRACTOR SHALL PERMANENTLY LABEL AS PART OF THE CONSTRUCTION DOCUMENTS ALL SWITCHBOARDS, SWITCHGEAR AND PANELBOARDS TO INDICATE EACH POWER SOURCE. REFER TO NEC-2023: 408.4(A) FOR DETAILS.

|       | Bra          | anch Panel: BBL                          |         |          |         |                                                  |                |           |          | EXISTING                                                 | PANEL    |      |
|-------|--------------|------------------------------------------|---------|----------|---------|--------------------------------------------------|----------------|-----------|----------|----------------------------------------------------------|----------|------|
|       |              | Location: Supply From: Mounting: Surface |         |          |         | Volts: 120/2<br>hases: 3<br>Wires: 4<br>Phase in | ·              |           |          | A.I.C. Rating: 10,000  Enclosure: Type 1  Mains: 50A MCB |          |      |
| Note  | СКТ          | Circuit Description                      | Wire    | Breaker  | A       | В                                                | С              | Breaker   | Wire     | Circuit Description                                      | СКТ      | Note |
|       | 1            |                                          |         |          |         |                                                  |                |           |          |                                                          | 2        |      |
|       | 3            |                                          |         |          |         |                                                  |                |           |          |                                                          | 4        |      |
|       | 5<br>7       |                                          |         |          |         |                                                  |                |           |          |                                                          | 6<br>8   | +    |
|       | 9            |                                          |         |          |         |                                                  |                |           |          |                                                          | 10       | +    |
|       | 11           |                                          |         |          |         |                                                  |                |           |          |                                                          | 12       | +    |
|       | 13           |                                          |         |          |         |                                                  |                |           |          |                                                          | 14       | 1    |
|       | 15           |                                          |         |          |         |                                                  |                |           |          |                                                          | 16       |      |
|       | 17           |                                          |         |          |         |                                                  |                |           |          |                                                          | 18       |      |
|       | 19           |                                          |         |          |         |                                                  |                |           |          |                                                          | 20       |      |
|       | 21           |                                          |         |          |         |                                                  |                |           |          |                                                          | 22       |      |
|       | 23<br>25     |                                          |         |          |         |                                                  |                |           |          |                                                          | 24<br>26 | +    |
|       | 27           |                                          |         |          |         |                                                  |                |           |          |                                                          | 28       | +-   |
|       | 29           |                                          |         |          |         |                                                  |                |           |          |                                                          | 30       | +    |
|       | 31           |                                          |         |          |         |                                                  |                |           |          |                                                          | 32       |      |
|       | 33           |                                          |         |          |         |                                                  |                |           |          |                                                          | 34       |      |
|       | 35           |                                          |         |          |         |                                                  |                |           |          |                                                          | 36       |      |
|       | 37           |                                          |         |          |         |                                                  |                |           |          |                                                          | 38       |      |
|       | 39<br>41     |                                          |         |          |         |                                                  |                |           |          |                                                          | 40<br>42 | +    |
|       | 41           |                                          | Total   | l oad:   | 0.0 kVA | 0.0 kVA                                          | 0.0 kVA        |           |          |                                                          | 42       |      |
|       |              |                                          |         | L        |         | 0.0 KVA<br>0 A                                   | 0.0 KVA<br>0 A |           |          |                                                          |          |      |
| Load  | Classificati | on                                       | Total A | ted Load | 0 A     | and Factor                                       |                | ed Demand | ,        | Panel Totals                                             |          |      |
| LUau  | Ciassilicati | OII                                      | Connec  | leu Loau | Delli   | and ractor                                       | LStillat       | eu Demani | <i>a</i> | Fallel Totals                                            |          |      |
|       |              |                                          |         |          |         |                                                  |                |           |          | Total Conn. Load: 0.0 kVA                                |          |      |
|       |              |                                          |         |          |         |                                                  |                |           |          | Total Est. Demand: 0.0 kVA                               |          |      |
|       |              |                                          |         |          |         |                                                  |                |           |          | Total Conn. Current: 0 A                                 |          |      |
|       |              |                                          |         |          |         |                                                  |                |           |          | Total Est. Demand Current: 0 A                           |          |      |
|       |              |                                          |         |          |         |                                                  |                |           |          | Total Est. Demand Current. 0 A                           |          |      |
|       |              |                                          |         |          |         |                                                  |                |           |          |                                                          |          |      |
| Notes | :            |                                          |         |          | G<br>LF | bbrevations:<br>- PROVIDE G<br>- PROVIDE F       | PERMANENT      | LOCK-OFF  | DEVICE   |                                                          |          |      |
|       |              |                                          |         |          | LC      | ) - PROVIDE F                                    | PERMANENT      | LOCK-ON   | DEVICE   |                                                          |          |      |

|       | Branch Panel: FBL  Location: Supply From: Mounting: Surface |                     |  |       | T      |     | F         | Volts: 120/2<br>Phases: 3<br>Wires: 4<br>Phase in |           |      |        |      | EXISTING PA  A.I.C. Rating: 10,000  Enclosure: Type 1  Mains: 50A MCB | ANEL     |      |
|-------|-------------------------------------------------------------|---------------------|--|-------|--------|-----|-----------|---------------------------------------------------|-----------|------|--------|------|-----------------------------------------------------------------------|----------|------|
| Note  | СКТ                                                         | Circuit Description |  | Wire  | Brea   | ker | A         | В                                                 | С         | Br   | eaker  | Wire | Circuit Description                                                   | СКТ      | Note |
|       | 1                                                           |                     |  |       |        |     |           |                                                   |           |      |        |      |                                                                       | 2        | 1    |
|       | 3                                                           |                     |  |       |        |     |           |                                                   |           |      |        |      |                                                                       | 6        | +    |
|       | 5<br>7                                                      |                     |  |       |        |     |           |                                                   |           |      |        |      |                                                                       | 8        | +    |
|       | 9                                                           |                     |  |       |        |     |           |                                                   |           |      |        |      |                                                                       | 10       | +    |
|       |                                                             | SPARE               |  | -     | 20     | 1   |           |                                                   | 0.0 / 0.0 |      |        |      |                                                                       | 12       | +    |
|       | 13                                                          | SPARE               |  | -     | 20     | 1   | 0.0 / 0.0 |                                                   |           |      |        |      |                                                                       | 14       |      |
|       |                                                             | SPACE               |  |       |        | 1   |           | 0.0 / 0.0                                         |           |      |        |      |                                                                       | 16       |      |
|       |                                                             | SPACE               |  |       |        | 1   |           |                                                   | 0.0 / 0.0 |      |        |      |                                                                       | 18       |      |
|       |                                                             | SPACE               |  |       |        | 1   | 0.0 / 0.0 |                                                   |           |      |        |      |                                                                       | 20       |      |
|       |                                                             | SPACE               |  | -     |        | 1   |           | 0.0 / 0.0                                         | 0.0/0.0   |      |        |      |                                                                       | 22       |      |
|       |                                                             | SPACE<br>SPACE      |  |       |        | 1   | 0.0 / 0.0 |                                                   | 0.0 / 0.0 |      |        |      |                                                                       | 24<br>26 | +    |
|       |                                                             | SPACE               |  |       |        | 1   | 0.0 / 0.0 | 0.0 / 0.0                                         |           |      |        |      |                                                                       | 28       | +-   |
|       |                                                             | SPACE               |  |       |        | 1   |           | 0.07 0.0                                          | 0.0 / 0.0 | -    |        |      |                                                                       | 30       | +    |
|       |                                                             | SPACE               |  |       |        | 1   | 0.0 / 0.0 |                                                   | 0.07 0.0  |      |        |      |                                                                       | 32       | +    |
|       |                                                             | SPACE               |  |       |        | 1   | 0.0 / 0.0 | 0.0 / 0.0                                         |           |      |        |      |                                                                       | 34       | +    |
|       |                                                             | SPACE               |  |       |        | 1   |           |                                                   | 0.0 / 0.0 |      |        |      |                                                                       | 36       |      |
|       | 37                                                          | SPACE               |  |       |        | 1   | 0.0 / 0.2 |                                                   |           |      |        |      |                                                                       | 38       |      |
|       |                                                             | SPACE               |  |       |        | 1   |           | 0.0 / 0.2                                         |           | 3    | 30     | #10  | NEW SPDL                                                              | 40       | ] 1  |
|       | 41                                                          | SPACE               |  |       |        | 1   |           |                                                   | 0.0 / 0.2 |      |        |      |                                                                       | 42       |      |
|       |                                                             |                     |  |       | Load:  |     | 0.2 kVA   | 0.2 kVA                                           | 0.2 kVA   |      |        |      |                                                                       |          |      |
|       |                                                             |                     |  | Total | Amps:  |     | 1 A       | 1 A                                               | 1 A       |      |        |      |                                                                       |          |      |
| Load  | Classi                                                      | sification          |  | Conne | cted L | oad | Den       | and Factor                                        | Estimate  | ed D | emand  |      | Panel Totals                                                          |          |      |
| Misce | llaneou                                                     | ous                 |  | 0.    | 5 kVA  |     |           | 100.00%                                           | 0.5       | 5 kV | Ą      |      |                                                                       |          |      |
|       |                                                             |                     |  |       |        |     |           |                                                   |           |      |        |      | Total Conn. Load: 0.5 kVA                                             |          |      |
|       |                                                             |                     |  |       |        |     |           |                                                   |           |      |        |      | Total Est. Demand: 0.5 kVA                                            |          |      |
|       |                                                             |                     |  |       |        |     |           |                                                   |           |      |        |      | Total Conn. Current: 1 A                                              |          |      |
|       |                                                             |                     |  |       |        |     |           |                                                   |           |      |        |      | Total Est. Demand Current: 1 A                                        |          |      |
|       |                                                             |                     |  |       |        |     |           |                                                   |           |      |        |      |                                                                       |          |      |
|       |                                                             |                     |  |       |        |     |           |                                                   |           |      |        |      |                                                                       |          |      |
| Notes |                                                             |                     |  |       |        |     |           | obrevations:                                      |           |      |        |      |                                                                       |          |      |
|       |                                                             | K IN BOLD           |  |       |        |     |           | - PROVIDE G                                       |           |      |        |      |                                                                       |          |      |
| 1) PR | OVIDE                                                       | E NEW BREAKER       |  |       |        |     | LF        | - PROVIDE P                                       | ERMANENT  | LOC  | K-OFF  | DEV  | ICE                                                                   |          |      |
|       |                                                             |                     |  |       |        |     | LC        | ) - PROVIDE F                                     | PERMANENT | LOC  | K-ON I | DEVI | CE                                                                    |          |      |
|       |                                                             |                     |  |       |        |     |           |                                                   |           |      |        |      |                                                                       |          |      |
|       |                                                             |                     |  |       |        |     |           |                                                   |           |      |        |      |                                                                       |          |      |

|        |        | Branch Panel: LFS   |         |       |     |             | NEW                        | P            | ANEL | . Wi  | TH INTEGRAL | . 15kVA T       | RANSFO        | RMER   |     |      |
|--------|--------|---------------------|---------|-------|-----|-------------|----------------------------|--------------|------|-------|-------------|-----------------|---------------|--------|-----|------|
|        |        | Location:           |         |       |     |             | Volts: 120/20              | 08 Wye       |      |       |             | A.I.C. Rat      | ting: 10,000  |        |     |      |
|        |        | Supply From:        |         |       |     | P           | hases: 3                   |              |      |       |             | Enclos          | ure: Type 1   |        |     |      |
|        |        | Mounting: Surface   |         |       |     |             | Wires: 4                   |              |      |       |             | Ma              | ins: 50A M    | CB     |     |      |
|        |        |                     | 1 1     |       |     |             | Phase in                   | kVA          |      |       |             |                 |               |        |     |      |
| Note   | СКТ    | Circuit Description | Wire    | Brea  | ker | Α           | В                          | C            | Br   | eaker | Wire        |                 | ircuit Descri | ntion  | CKT | Note |
| 1010   | 1      | Receptacles         | #12     | 20    | 1   | 0.7 / 0.0   |                            |              | 1    | 20    |             | SPARE           | noun Doson    | ption  | 2   |      |
|        | 3      | Exterior Lighting   | #12     | 20    | 1   | 0.1. / 0.10 | 0.2 / 0.0                  |              | 1    | 20    |             | SPARE           |               |        | 4   |      |
|        | 5      | Interior Lighting   | #12     | 20    | 1   |             | 0.27                       | 0.3 / 0.0    | 1    | 20    |             | SPARE           |               |        | 6   |      |
|        |        | EF-FH-1             | #12     | 20    | 1   | 0.0 / 0.0   |                            |              | 1    | 20    |             | SPARE           |               |        | 8   |      |
|        |        | SPARE               |         | 20    | 1   |             | 0.0 / 0.0                  |              | 1    | 20    |             | SPARE           |               |        | 10  |      |
|        | 11     | SPARE               |         | 20    | 1   |             |                            | 0.0 / 0.0    | 1    | 20    |             | SPARE           |               |        | 12  |      |
|        | 13     | SPARE               |         | 20    | 1   | 0.0 / 0.0   |                            |              | 1    | 20    |             | SPARE           |               |        | 14  |      |
|        | 15     | SPARE               |         | 20    | 1   |             | 0.0 / 0.0                  |              | 1    | 20    |             | SPARE           |               |        | 16  |      |
|        | 17     | SPARE               |         | 20    | 1   |             |                            | 0.0 / 0.0    | 1    | 20    |             | SPARE           |               |        | 18  |      |
|        |        | SPARE               |         | 20    | 1   | 0.0 / 0.0   |                            |              |      |       |             |                 |               |        | 20  |      |
|        |        | SPARE               |         | 20    | 1   |             | 0.0 / 0.0                  |              | 3    | 30    |             | SPDL            |               |        | 22  |      |
|        | 23     | SPARE               |         | 20    | 1   |             |                            | 0.0 / 0.0    |      |       |             |                 |               |        | 24  |      |
|        |        |                     |         | Load: | L   | 0.7 kVA     | 0.2 kVA                    | 0.3 kVA      |      |       |             |                 |               |        |     |      |
|        |        |                     | Total A | •     |     | 6 A         | 1 A                        | 2 A          |      |       |             |                 |               |        |     |      |
| _oad   | Class  | ification           | Connec  |       | oad |             | and Factor                 | Estimate     |      |       | d           |                 | Panel         | Totals |     |      |
| ightir | ng     |                     |         | kVA   |     |             | 25.00%                     | 0.5          | 5 kV | A     |             |                 |               |        |     |      |
| Misce  | llaneo | us                  |         | kVA   |     |             | 0.00%                      |              | ) kV |       |             |                 | Conn. Load:   |        |     |      |
| Recep  | tacles | <b>:</b>            | 0.7     | ' kVA |     | 1           | 00.00%                     | 0.7          | 7 kV | A     |             |                 | st. Demand:   |        |     |      |
|        |        |                     |         |       |     |             |                            |              |      |       |             |                 | nn. Current:  |        |     |      |
|        |        |                     |         |       |     |             |                            |              |      |       |             | Total Est. Dema | and Current:  | 3 A    |     |      |
|        |        |                     |         |       |     |             |                            |              |      |       |             |                 |               |        |     |      |
|        |        |                     |         |       |     |             |                            |              |      |       |             |                 |               |        |     |      |
| lotes  | :      |                     |         |       |     | _           | brevations: - PROVIDE GI   |              | RPF  | VKED  |             |                 |               |        |     |      |
|        |        |                     |         |       |     |             | - PROVIDE GI               |              |      |       |             | IICE            |               |        |     |      |
|        |        |                     |         |       |     |             | - PROVIDE P<br>- PROVIDE F |              |      |       |             |                 |               |        |     |      |
|        |        |                     |         |       |     | LO          | - PROVIDE P                | CKIVIAINEINI | LUC  | N-ON  | DΕΛΙ        | UE .            |               |        |     |      |



|              |               | Location: MECHANICAL G10 Supply From: TLART Mounting: Surface | 19         |                    |           | Volts: 120/20<br>hases: 3<br>Wires: 4<br>Phase in           | ·         |                      |          |     | A.I.C. Rating: 10,000<br>Enclosure: Type 1<br>Mains: 400A M | ICB        |       |
|--------------|---------------|---------------------------------------------------------------|------------|--------------------|-----------|-------------------------------------------------------------|-----------|----------------------|----------|-----|-------------------------------------------------------------|------------|-------|
|              |               |                                                               |            |                    |           |                                                             |           |                      |          |     |                                                             |            |       |
| lote         | СКТ           | Circuit Description                                           |            | Breaker            | Α         | В                                                           | С         | -                    | eaker    |     |                                                             |            | Γ Not |
|              |               | KILN FAN<br>KILN FAN                                          | #12<br>#12 | 20 1               | 0.2 / 1.1 | 0.2 / 0.4                                                   |           | 1                    | 20       |     | Receptacles DIGITAL ART G10 Receptacles DIGITAL ART G10     |            |       |
|              |               | Receptacles KILN G1026                                        | #12        | 20 1               |           | 0.270.4                                                     | 0.2 / 0.4 | 1                    | 20       |     | Receptacles DIGITAL ART G10                                 |            |       |
|              |               | Receptacles Room G1004, G1006, G1008                          | #12        | 20 1               | 0.5 / 0.4 |                                                             | 0.270.4   | 1                    | 20       |     | Receptacles DIGITAL ART G10                                 |            |       |
|              |               | Receptacles BLACK BOX G1006                                   | #12        | 20 1               |           | 1.1 / 0.4                                                   |           | 1                    | 20       |     | Receptacles DIGITAL ART G10                                 | )17 10     |       |
|              |               | Receptacles CHAIR STORAGE G1005                               | #12        | 20 1               |           |                                                             | 0.5 / 0.4 | 1                    | 20       |     | Receptacles DIGITAL ART G10                                 |            |       |
|              |               | Receptacles                                                   | #12        | 20 1               | 0.4 / 0.4 | 0.4/0.4                                                     |           | 1                    | 20       |     | Receptacles DIGITAL ART G10                                 |            |       |
|              |               | Receptacles Receptacles Room 1003                             | #12<br>#12 | 20 1               |           | 0.4 / 0.4                                                   | 0.4 / 0.4 | 1                    | 20       |     | Receptacles DIGITAL ART G10 Receptacles DIGITAL ART G10     |            |       |
|              |               | Receptacles Receptacles                                       | #12        | 20 1               | 0.4 / 0.5 |                                                             | 0.4 / 0.4 | 1                    | 20       |     | ROOFTOP RECEPTACLES                                         | 20         |       |
|              |               | Receptacles                                                   | #12        | 20 1               | 0.1.7 0.0 | 0.4 / 0.6                                                   |           | 1                    | 20       |     | EF-G-6                                                      | 22         | _     |
|              |               | Receptacles                                                   | #12        | 20 1               |           |                                                             | 0.4 / 0.6 | 1                    | 20       |     | EF-G-4                                                      | 24         |       |
|              |               | Receptacles Room G1024, G1025, G1022, G1021                   |            | 20 1               | 0.9 / 0.5 | 0.0/0.4                                                     |           | 1                    | 20       | #12 | CORD REEL                                                   | 26         |       |
|              |               | Receptacles MUSIC LIBRARY G1023 Receptacles ENSEMBLE G1018    | #12<br>#12 | 20 1               |           | 0.9 / 0.1                                                   | 1.1 / 0.1 | 2                    | 20       | #10 | 3D PRINTER                                                  | 28<br>30   |       |
|              |               | Receptacles ENSEMBLE G1018                                    | #12        | 20 1               | 0.4 / 0.4 |                                                             | 1.17 0.1  | 1                    | 20       | #10 | 3D PRINTER                                                  | 32         |       |
|              |               | Receptacles OFFICE G1010                                      | #12        | 20 1               |           | 0.7 / 0.5                                                   |           | 1                    | 20       | #12 | CORD REEL                                                   | 34         |       |
|              | 35            | Receptacles OFFICE G1010                                      | #12        | 20 1               |           |                                                             | 0.7 / 0.5 | 1                    | 20       | #12 | CORD REEL                                                   | 36         | _     |
|              |               | Receptacles CONTROL ROOM G1009                                | #12        | 20 1               | 0.9 / 0.5 | 45100                                                       |           | 1                    | 20       |     | CORD REEL                                                   | 38         |       |
|              |               | AV CONNECTIVITY WALL PLATE Receptacles DIGITAL ART G1017      | #12<br>#12 | 20 1<br>20 1       |           | 1.5 / 0.0                                                   | 1.1 / 0.5 | 1                    | 20<br>20 |     | TRAP PRIMER CORD REEL                                       | 40<br>42   |       |
|              |               | CORD REEL                                                     | #12        | 20 1               | 0.5 / 0.4 |                                                             | 1.17 0.3  | 1                    | 20       |     | AUDIO CONNECTIVITY CONS                                     |            |       |
|              |               | Receptacles ART OFFICE G1014                                  | #12        | 20 1               | 3.37 0.7  | 0.9 / 0.4                                                   |           | 1                    | 20       |     | AUDIO CONNECTIVITY CONS                                     |            |       |
|              | 47            | Receptacles ART OFFICE G1014                                  | #12        | 20 1               |           |                                                             | 1.1 / 0.2 | 1                    | 20       | #12 | Receptacles BLACK BOX-1 G1                                  | 006-1 48   |       |
|              |               | Receptacles BLACK BOX-1 G1006-1                               | #12        | 20 1               | 0.2 / 0.4 |                                                             |           | 1                    | 20       |     | Receptacles BLACK BOX-1 G1                                  |            | _     |
|              |               | Receptacles ART G1011                                         | #12        | 20 1               |           | 1.4 / 1.5                                                   | 05/45     | 1                    | 20       |     | AV RACK                                                     | 52         | +     |
|              |               | Receptacles ART G1011 CORD REEL                               | #12<br>#12 | 20 1               | 0.5 / 1.5 |                                                             | 0.5 / 1.5 | 1                    | 20       |     | AV RACK<br>AV RACK                                          | 54<br>56   |       |
|              |               | CORD REEL                                                     | #12        | 20 1               | 0.07 1.0  | 0.5 / 1.5                                                   |           | 1                    | 20       |     | AV RACK                                                     | 58         |       |
|              |               | CORD REEL                                                     | #12        | 20 1               |           |                                                             | 0.5 / 0.5 | 1                    | 20       | #12 | THEATRICAL PANEL                                            | 60         |       |
|              |               | CORD REEL                                                     | #12        | 20 1               | 0.5 / 0.5 |                                                             |           | 1                    |          |     | THEATRICAL PANEL                                            | 62         |       |
|              |               | Receptacles ART G1011                                         | #12        | 20 1               |           | 0.2 / 1.0                                                   | 0.0/4.0   | 1                    |          |     | THEATRICAL Lighting                                         | 64         |       |
|              |               | Receptacles ART G1011 Receptacles ART G1011                   | #12<br>#12 | 20 1<br>20 1       | 0.2 / 1.0 |                                                             | 0.2 / 1.0 | 1                    | 20       |     | THEATRICAL Lighting THEATRICAL Lighting                     | 66<br>68   |       |
|              |               | Receptacles ART G1011                                         | #12        | 20 1               | 0.271.0   | 0.2 / 1.0                                                   |           | 1                    | 20       |     | THEATRICAL Lighting                                         | 70         |       |
|              |               | Receptacles ART STORAGE G1013                                 | #12        | 20 1               |           | 0.27 1.0                                                    | 0.9 / 1.0 | 1                    | 20       |     | THEATRICAL Lighting                                         | 72         |       |
|              | 73            | WATER FOUNTAIN/BOTTLE FILLER                                  | #12        | 20 1               | 0.2 / 1.0 |                                                             |           | 1                    | 20       | #10 | THEATRICAL Lighting                                         | 74         | 1     |
|              |               | WATER FOUNTAIN/BOTTLE FILLER                                  | #12        | 20 1               |           | 0.2 / 1.0                                                   |           | 1                    | 20       |     | THEATRICAL Lighting                                         | 76         |       |
|              |               | Receptacles CONTROL ROOM G1009                                | #12        | 20 1               | 45/40     |                                                             | 0.7 / 1.0 | 1                    | 20       |     | THEATRICAL Lighting                                         | 78<br>80   |       |
|              |               | AUDIO CONSOLE AUDIO CONSOLE                                   | #12<br>#12 | 20 1<br>20 1       | 1.5 / 1.0 | 1.5 / 1.0                                                   |           | 1                    | 20       |     | THEATRICAL Lighting THEATRICAL Lighting                     | 82         |       |
|              |               | AUDIO CONNECTIVITY CONSOLE                                    | #12        | 20 1               |           | 1.07 1.0                                                    | 0.4 / 1.0 | 1                    | 20       |     | THEATRICAL Lighting                                         | 84         |       |
| 1            |               | THEATRICAL Lighting                                           | #10        | 20 1               | 1.0 / 0.0 |                                                             |           | 1                    | 20       |     | SPARE                                                       | 86         |       |
| 1            |               | THEATRICAL Lighting                                           | #10        | 20 1               |           | 1.0 / 0.0                                                   | 4015      | 1                    | 20       |     | SPARE                                                       | 88         |       |
| 1            |               | THEATRICAL Lighting                                           | #10        | 20 1               | 1.0 / 0.0 |                                                             | 1.0 / 0.0 | 1                    | 20       |     | SPARE SPARE                                                 | 90<br>92   |       |
| 1            |               | THEATRICAL Lighting THEATRICAL Lighting                       | #10<br>#10 | 20 1               | 1.0 / 0.0 | 1.0 / 0.0                                                   |           | 1                    | 20       |     | SPARE                                                       | 92         |       |
| 1            |               | THEATRICAL Lighting                                           | #10        | 20 1               |           | 1.07 0.0                                                    | 1.0 / 0.0 | 1                    | 20       |     | SPARE                                                       | 96         |       |
| 1            | 97            | THEATRICAL Lighting                                           | #10        | 20 1               | 1.0 / 0.0 |                                                             |           | 1                    | 20       |     | SPARE                                                       | 98         |       |
| 1            |               | THEATRICAL Lighting                                           | #10        | 20 1               |           | 1.0 / 0.0                                                   |           | 1                    | 20       |     | SPARE                                                       | 100        |       |
| 1            |               | THEATRICAL Lighting                                           | #10        | 20 1<br>20 1       | 1.0 / 0.0 |                                                             | 1.0 / 0.0 | 1                    | 20       |     | SPARE<br>SPARE                                              | 102<br>104 |       |
| 1            |               | THEATRICAL Lighting THEATRICAL Lighting                       | #10<br>#10 | 20 1               | 1.0 / 0.0 | 1.0 / 0.0                                                   |           | 1                    | 20       |     | SPARE                                                       | 104        |       |
| 1            |               | THEATRICAL Lighting                                           | #10        | 20 1               |           | 1.57 0.0                                                    | 1.0 / 0.0 | 1                    | 20       |     | SPARE                                                       | 108        |       |
| 1            | 109           | THEATRICAL Lighting                                           | #10        | 20 1               | 1.0 / 0.0 |                                                             |           | 1                    | 20       |     | SPARE                                                       | 110        | )     |
|              |               | SPARE                                                         |            | 20 1               |           | 0.0 / 0.0                                                   |           | 1                    | 20       |     | SPARE                                                       | 112        |       |
|              |               | SPARE                                                         |            | 20 1               | 00/40     |                                                             | 0.0 / 4.2 | 2                    | 50       | #6  | KILN                                                        | 114        |       |
|              |               | SPARE<br>SPARE                                                |            | 20 1               | 0.0 / 4.2 | 0.0 / 4.2                                                   |           |                      |          |     |                                                             | 116<br>118 |       |
|              |               | SPARE                                                         |            | 20 1               |           | 0.074.2                                                     | 0.0 / 4.2 | 2                    | 50       | #6  | KILN                                                        | 120        |       |
|              | 121           | SPARE                                                         |            | 20 1               | 0.0 / 0.0 |                                                             |           |                      |          |     |                                                             | 122        | 2     |
|              |               | SPARE                                                         |            | 20 1               |           | 0.0 / 0.0                                                   |           | 3                    | 30       |     | SPDL                                                        | 124        |       |
|              | 125           | SPARE                                                         | Total      | 20 1               | 05 711/4  | 07.011/4                                                    | 0.0 / 0.0 |                      |          |     |                                                             | 126        | )     |
|              |               |                                                               |            | Load:              | 25.7 kVA  | 27.8 kVA                                                    | 29.9 kVA  |                      |          |     |                                                             |            |       |
| 001          | Class'        | fication                                                      |            | Amps:              | 215 A     | 234 A                                                       | 252 A     | ~~ <u>_</u>          | 0000     | ,   | Panel                                                       | Totala     |       |
| oad<br>VAC   |               | IIIGALIOII                                                    |            | cted Load<br>2 kVA |           | and Factor<br>00.00%                                        | Estimate  | <b>ea ש</b><br>2 kV/ |          | 4   | Panel                                                       | ı Olais    |       |
| yac<br>ghtir |               |                                                               |            | 2 KVA<br>.0 kVA    |           | 25.00%                                                      |           | 2 KV/<br>.0 kV       |          | -+  | Total Conn. Load:                                           | 83 1 k\/\  |       |
|              | าg<br>Ilaneoเ | IS                                                            |            | .0 kVA<br>.6 kVA   |           | 25.00%<br>00.00%                                            |           | .0 kv<br>.6 kV       |          | +   | Total Est. Demand:                                          |            |       |
| ther         |               |                                                               |            | 4 kVA              |           | 00.00%                                                      |           | . 0 K V<br>4 kV      |          | +   | Total Conn. Current:                                        |            |       |
|              | otacles       |                                                               |            | 2 kVA              |           | 67.15%                                                      |           | .6 kV                |          | +   | Total Est. Demand Current:                                  |            |       |
|              |               |                                                               |            |                    |           |                                                             |           |                      |          |     |                                                             |            |       |
| otes<br>- RL |               | E3.07-G KEYNOTE 14                                            |            |                    | G -<br>LF | brevations:<br>- PROVIDE GI<br>- PROVIDE P<br>) - PROVIDE F | PERMANENT | LOC                  | K-OFF    |     |                                                             |            |       |

|        | Branch Panel: HART  Location: MECHANICAL G1019 Supply From: Mounting: Surface |                     |         |          |          | P          | Volts: 277/48<br>hases: 3<br>Wires: 4<br>Phase in | •          |          |           |      | A.I.C. Rating: 18,000<br>Enclosure: Type 1<br>Mains: 400A |          |          |      |
|--------|-------------------------------------------------------------------------------|---------------------|---------|----------|----------|------------|---------------------------------------------------|------------|----------|-----------|------|-----------------------------------------------------------|----------|----------|------|
| Note   | CKT                                                                           | Circuit Description | Wire    | Brea     | ker      | A          | В                                                 | С          | Bre      | eaker     | Wire | Circuit Desc                                              | intion   | СКТ      | Note |
|        | 1                                                                             | SPARE SPARE         |         | 20       | 1        | 0.0 / 0.0  |                                                   |            | 1        |           |      | SPACE SPACE                                               | iption   | 2        |      |
|        | 3                                                                             | SPARE               |         | 20       | 1        | 0.0 / 0.0  | 0.0 / 0.0                                         |            | 1        |           |      | SPACE                                                     |          | 4        |      |
|        | 5                                                                             | SPARE               |         | 20       | 1        |            |                                                   | 0.0 / 0.0  | 1        |           |      | SPACE                                                     |          | 6        |      |
|        | 7                                                                             | SPARE               |         | 20       | 1        | 0.0 / 0.0  |                                                   |            | 1        |           |      | SPACE                                                     |          | 8        |      |
|        | 9                                                                             | SPARE               |         | 20       | 1        |            | 0.0 / 0.0                                         |            | 1        |           |      | SPACE                                                     |          | 10       |      |
|        | 11                                                                            | SPARE               |         | 20       | 1        |            |                                                   | 0.0 / 0.0  | 1        |           |      | SPACE                                                     |          | 12       |      |
|        | 13                                                                            | SPARE               |         | 20       | 1        | 0.0 / 0.0  | 0.0100                                            |            |          | 00        | 1140 | A1111.05                                                  |          | 14       |      |
|        |                                                                               | SPARE<br>SPARE      |         | 20       | 1        |            | 0.0 / 0.0                                         | 0.0 / 0.0  | 3        | 30        | #10  | AHU-G5                                                    |          | 16<br>18 |      |
|        |                                                                               | SPARE               |         | 20       | 1        | 0.0 / 0.6  |                                                   | 0.070.0    | $\vdash$ |           |      |                                                           |          | 20       |      |
|        |                                                                               | SPARE               |         | 20       | 1        | 0.07 0.0   | 0.0 / 0.6                                         |            | 3        | 20        | #12  | SF-G-1                                                    |          | 22       |      |
|        |                                                                               | SPARE               |         | 20       | 1        |            | 0.07 0.0                                          | 0.0 / 0.6  |          |           |      | S. 5 .                                                    |          | 24       |      |
|        | 25                                                                            | SPARE               |         | 20       | 1        | 0.0 / 16.3 |                                                   |            |          |           |      |                                                           |          | 26       |      |
|        |                                                                               | SPARE               |         | 20       | 1        |            | 0.0 / 16.3                                        |            | 3        | 125       | 1L   | TAVTL                                                     |          | 28       |      |
|        |                                                                               | SPARE               |         | 20       | 1        |            |                                                   | 0.0 / 15.7 |          |           |      |                                                           |          | 30       |      |
|        |                                                                               | SPARE               |         | 20       | 1        | 0.0 / 25.7 |                                                   |            |          |           |      |                                                           |          | 32       |      |
|        |                                                                               | SPARE               |         | 20       | 1        |            | 0.0 / 27.8                                        |            | 3        | 175       | 1L   | TLART                                                     |          | 34       |      |
|        |                                                                               | SPARE               |         | 20       | 1        |            |                                                   | 0.0 / 29.9 | $\perp$  |           |      |                                                           |          | 36       |      |
|        |                                                                               | SPARE               | -       | 20       | 1        | 0.0 / 0.0  | 0.0/0.0                                           |            |          | 20        |      | CDDI                                                      |          | 38       |      |
|        |                                                                               | SPARE SPARE         |         | 20<br>20 | 1        |            | 0.0 / 0.0                                         | 0.0 / 0.0  | 3        | 30        |      | SPDL                                                      |          | 40<br>42 |      |
|        | 41                                                                            | SFARE               | Total   |          | <u> </u> | 42.6 kVA   | 44.7 kVA                                          | 46.1 kVA   |          |           |      |                                                           |          | 42       |      |
|        |                                                                               |                     |         |          | ı        | 154 A      | 163 A                                             | 168 A      |          |           |      |                                                           |          |          |      |
|        | Class                                                                         | sification          | Total A | •        |          |            | and Factor                                        | Estimate   | - d D    | - M- C M- | J    | Done                                                      | l Totals |          |      |
|        |                                                                               | Sincation           |         |          | oau      |            |                                                   |            |          |           | , L  | Pane                                                      | i iolais |          |      |
| IVAC   |                                                                               |                     |         | kVA      |          |            | 00.00%                                            |            | 2 kV/    |           |      |                                                           | 400 4114 |          |      |
| ightin |                                                                               |                     |         | 0 kVA    |          |            | 25.00%                                            |            | 0 kV     |           |      | Total Conn. Load                                          |          |          |      |
|        | llaneo                                                                        | ous                 |         | 3 kVA    |          |            | 00.00%                                            |            | 3 kV     |           |      | Total Est. Demand                                         |          |          |      |
| Other  |                                                                               |                     | 0.4     | kVA      |          |            | 00.00%                                            |            | 1 kV/    |           |      | Total Conn. Current                                       |          |          |      |
|        | tacles                                                                        | S                   | 35      | 5 kVA    |          | 6          | 64.10%                                            | 22.        | 7 kV     | Α         |      | Total Est. Demand Current                                 | 152 A    |          |      |

# Page/

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| 1        | ADDENDUM #2 | <br>12/20/2024 |
|----------|-------------|----------------|
| REVISION | DESCRIPTION | DATE           |
|          |             |                |

REVISION HISTORY

BRADLEY KALMANS

80219

\_\_\_\_



2024 CY RIDGE HS
RENOVATION

7900 North Eldridge Parkway
Houston, TX 77041

PROJECT NUMBER
33AC23221

ABBREVIATION
CFISD

ORIGINAL ISSUE

ISSUE FOR PROPOSALS

DECEMBER 09, 2024

SHEET NAME

ELECTRICAL PANEL SCHEDULES

CONTRACTOR SHALL RECORD AND/OR PRESERVE THE EXISTING CIRCUIT DIRECTORY, IF ANY, FOR THE SOLE PURPOSE UPON COMPLETION OF NEW WORK OF PRODUCING A NEW DIRECTORY.

CONTRACTOR SHALL PROVIDE AS PART OF THE CONSTRUCTION DOCUMENTS A NEW, NEATLY TYPED DIRECTORY. CONTRACTOR SHALL TRACE EXISTING CIRCUITS AND SHALL LEGIBLY IDENTIFY AS TO IT'S CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE, LOADS SERVED, LOCATION AND/OR THE PANELBOARD SCHEDULE ON THE DRAWINGS. THE WORD "EXISTING" SHALL NOT BE USED ON PANELBOARD DIRECTORIES. SPARE BREAKERS ARE TO BE LISTED AS "SPARE" AND SWITCHED TO THE OFF POSITION. SPACES WITH NO BREAKERS ARE TO BE LEFT BLANK. REFER TO NEC-2023: 408.4(A) FOR DETAILS.

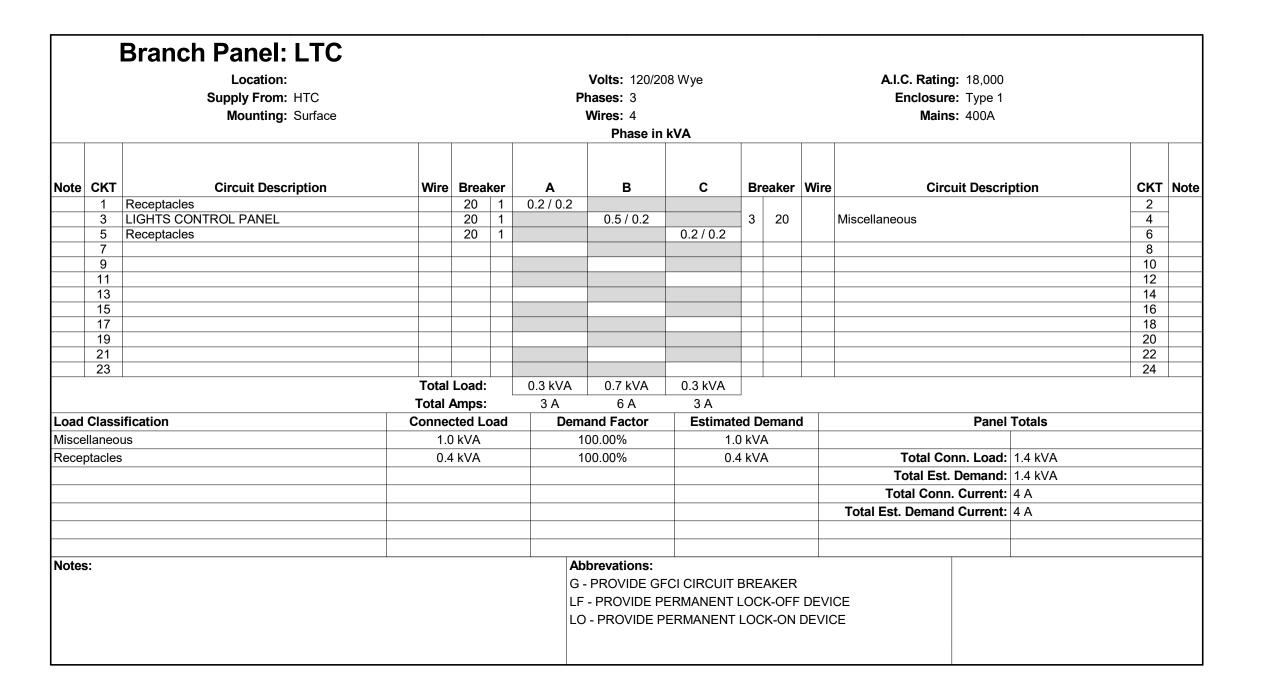
CONTRACTOR SHALL PERMANENTLY LABEL AS PART OF THE CONSTRUCTION DOCUMENTS ALL SWITCHBOARDS, SWITCHGEAR AND PANELBOARDS TO INDICATE EACH POWER SOURCE. REFER TO NEC-2023: 408.4(A) FOR DETAILS.

|               |             | Branch Panel: CPL  Location: ELECTRICAL Supply From: TCPL Mounting: Surface | ROOM 1966  |            |      | P                  | Volts: 120/2<br>hases: 3<br>Wires: 4<br>Phase in | ·         |         |             |            | A.I.C. Rating: 10,000<br>Enclosure: Type 1<br>Mains: 50A Mo | NEW PANEL |          |
|---------------|-------------|-----------------------------------------------------------------------------|------------|------------|------|--------------------|--------------------------------------------------|-----------|---------|-------------|------------|-------------------------------------------------------------|-----------|----------|
|               |             |                                                                             |            |            |      | _                  |                                                  |           |         |             |            |                                                             |           |          |
| Note          | <b>CK</b> 1 | •                                                                           |            | Brea<br>20 |      | <b>A</b> 0.3 / 0.3 | В                                                | С         | _       | eaker<br>20 |            |                                                             | •         | KT No    |
| 1             | 3           |                                                                             | (E)<br>(E) | 20         | 1    | 0.3 / 0.3          | 0.9 / 0.2                                        |           | 1       | 20          | (⊑)<br>#12 | BAS CARBON MONOXIDE                                         |           | 4        |
| 1             | 5           |                                                                             | (E)        | 20         | 1    |                    | 0.07 0.2                                         | 0.3 / 0.6 | T.      |             | " 12       | C, II BOIT MOITO, IBE                                       |           | 6        |
| 1             | 7           |                                                                             | (E)        | 20         | 1    | 0.2 / 0.6          |                                                  |           | 3       | 20          | #12        | B-1 (1 HP)                                                  |           | 8        |
| 1             | 9           |                                                                             | (E)        | 20         | 1    |                    | 0.2 / 0.6                                        |           |         |             |            | ,                                                           |           | 0        |
| 1             | 11          |                                                                             | (E)        | 20         | 1    |                    |                                                  | 0.3 / 0.6 |         |             |            |                                                             |           | 2        |
| 1             | 13          |                                                                             | (E)        | 20         | 1    | 0.2 / 0.6          |                                                  |           | 3       | 20          | #12        | B-2 (1 HP)                                                  |           | 4        |
| 1             | 15          |                                                                             | (E)        | 20         | 1    |                    | 0.7 / 0.6                                        | 0.0/0.0   |         |             |            |                                                             |           | 6        |
| 1             | 17<br>19    |                                                                             | (E)        | 20         | 2    | 2.6 / 0.6          |                                                  | 2.6 / 0.6 |         | 20          | 440        | D 2 (4 LID)                                                 |           | 8        |
|               | 21          | 9                                                                           | , ,        |            |      | 2.6 / 0.6          | 2.6 / 0.6                                        |           | 3       | 20          | #12        | B-3 (1 HP)                                                  |           | 20<br>22 |
| 1             | 23          | EF-H-2 (5kW)                                                                | (E)        | 20         | 2    |                    | 2.070.0                                          | 2.6 / 0.6 |         |             |            |                                                             |           | 24       |
| 1             | 25          |                                                                             | (E)        | 20         | 1    | 0.3 / 0.6          |                                                  | 2.07 0.0  | 3       | 20          | #12        | B-4 (1 HP)                                                  |           | 26       |
| 1             | 27          |                                                                             | (E)        | 20         | 1    | 0.07 0.0           | 0.2 / 0.6                                        |           |         | =0          | ,,,,_      | J . ( )                                                     |           | 28       |
| 1             | 29          |                                                                             | (E)        | 20         | 1    |                    |                                                  | 0.7 / 0.6 |         |             |            |                                                             |           | 80       |
| 1             | 31          |                                                                             | (E)        | 20         | 1    | 0.5 / 0.6          |                                                  |           | 3       | 20          | #12        | B-5 (1 HP)                                                  | 3         | 32       |
| 1             | 33          |                                                                             | (E)        | 20         | 1    |                    | 0.5 / 0.6                                        |           |         |             |            |                                                             |           | 34       |
| 1             | 35          |                                                                             | (E)        | 20         | 1    |                    |                                                  | 0.2 / 0.0 |         |             |            |                                                             |           | 6        |
| 1             | 37          |                                                                             | (E)        | 20         | 1    | 0.2 / 0.0          |                                                  |           |         |             |            |                                                             |           | 88       |
| 1             | 39          |                                                                             | (E)        | 20         | 1    |                    | 0.2 / 0.0                                        | 4.0.4.0.0 |         |             |            |                                                             |           | -0       |
| 1             | 41<br>43    |                                                                             | (E)        | 20         | 1    |                    |                                                  | 1.2 / 0.0 |         |             |            |                                                             |           | 4        |
|               | 45          |                                                                             |            |            |      |                    |                                                  |           |         |             |            |                                                             |           | 6        |
|               | 45          |                                                                             |            |            |      |                    |                                                  |           |         |             |            |                                                             |           | 8        |
|               | 49          |                                                                             |            |            |      |                    |                                                  |           |         |             |            |                                                             |           | 50       |
|               | 51          |                                                                             |            |            |      |                    |                                                  |           |         |             |            |                                                             |           | 52       |
|               | 53          |                                                                             |            |            |      |                    |                                                  |           |         |             |            |                                                             |           | 54       |
|               | 55          | 55                                                                          |            |            |      |                    |                                                  |           |         |             |            |                                                             |           | 6        |
|               | 57          |                                                                             |            |            |      |                    |                                                  |           |         |             |            |                                                             |           | 8        |
|               | 59          |                                                                             |            |            |      |                    |                                                  |           |         |             |            |                                                             |           | 0        |
|               | 61          |                                                                             |            |            |      |                    |                                                  |           |         |             |            |                                                             |           | 32       |
|               | 63          |                                                                             |            |            |      |                    |                                                  |           |         |             |            |                                                             |           | 64       |
|               | 65          |                                                                             |            |            |      |                    |                                                  |           |         |             |            |                                                             |           | 6        |
|               | 67          |                                                                             |            |            |      |                    |                                                  |           |         |             |            |                                                             |           | 88       |
|               | 69<br>71    |                                                                             |            |            |      |                    |                                                  |           | -       |             |            |                                                             |           | '0<br>'2 |
|               | 73          |                                                                             |            |            |      |                    |                                                  |           |         |             |            |                                                             |           | 4        |
|               | 75          |                                                                             |            |            |      |                    |                                                  |           |         |             |            |                                                             |           | 6        |
|               | 77          |                                                                             |            |            |      |                    |                                                  |           |         |             |            |                                                             |           | 8        |
|               | 79          |                                                                             |            |            |      | 0.0 / 0.2          |                                                  |           |         |             |            |                                                             |           | 30       |
|               | 81          |                                                                             |            |            |      |                    | 0.0 / 0.2                                        |           | 3       | 30          | #10        | SPDL                                                        |           | 32 1     |
|               | 83          | 3                                                                           |            |            |      |                    |                                                  | 0.0 / 0.2 |         |             |            |                                                             | 8         | 34       |
|               |             |                                                                             | Total      | Load       | :    | 7.7 kVA            | 8.7 kVA                                          | 11.1 kVA  |         |             |            |                                                             |           |          |
|               |             |                                                                             | Total A    | Amps       | :    | 64 A               | 73 A                                             | 94 A      |         |             |            |                                                             |           |          |
| oad           | Clas        | assification                                                                | Connec     | cted L     | .oad | Dem                | and Factor                                       | Estimate  | ed D    | emand       | 1          | Panel                                                       | Totals    |          |
| IVAC          | ;           |                                                                             | 11.        | 2 kVA      |      | 1                  | 00.00%                                           | 11.       | 2 kV    | Ά           |            |                                                             |           |          |
| leatii        | ng          |                                                                             | 9.0        | ) kVA      |      | 1                  | 00.00%                                           | 9.0       | ) kV    | Α           |            | Total Conn. Load:                                           | 27.5 kVA  |          |
|               |             | neous                                                                       | 4.6        | 6 kVA      |      | 1                  | 00.00%                                           | 4.6       | 3 kV    | Α           |            | Total Est. Demand:                                          | 27.5 kVA  |          |
| Other         |             |                                                                             |            | 2 kVA      |      |                    | 00.00%                                           |           | 2 kV/   |             |            | Total Conn. Current:                                        |           |          |
|               | otacle      |                                                                             |            | 5 kVA      |      |                    | 00.00%                                           |           | 5 kV/   |             |            | Total Est. Demand Current:                                  |           |          |
| (CCC)         | Jiacie      | oies .                                                                      | 2.0        |            |      |                    | 00.0070                                          | 2.0       | J K V / | <b>1</b>    |            | Total Est. Demand Current.                                  | 70 A      |          |
| lotes<br>- CO |             | NECT PRESERVED LOAD TO NEW PANEL                                            |            |            |      | G -<br>LF          | brevations: - PROVIDE GI - PROVIDE F - PROVIDE F | PERMANENT | LOC     | K-OFF       |            |                                                             |           |          |

|              | Branc                | Location: ELECTRICAL Supply From: CPDA Mounting: Surface | ROOM 1966  |       |                                                  |                    | Volts: 277/48<br>hases: 3<br>Wires: 4<br>Phase in | ·          |      |               | A.I.C. Rating: 18,000 Enclosure: Type 1 Mains: 200A MLO | NEL      |             |
|--------------|----------------------|----------------------------------------------------------|------------|-------|--------------------------------------------------|--------------------|---------------------------------------------------|------------|------|---------------|---------------------------------------------------------|----------|-------------|
| Moto         | СКТ                  | Circuit Description                                      | Miro       | Brea  | lkon                                             |                    | В                                                 |            | D.   | eaker         | Wire Circuit Description                                | CKT      | Note        |
| 1            | 1 RELAY 1            | Circuit Description                                      | (E)        | 20    | Ker<br>1                                         | <b>A</b> 0.5 / 0.5 | В                                                 | С          | 1    | 20            | Wire Circuit Description (E) RELAY 2                    | 2        | NOLE        |
| <del>'</del> | 3 RELAY 4            |                                                          | (E)        | 20    | 1                                                | 0.57 0.5           | 0.5 / 0.5                                         |            | 1    | 20            | (E) RELAY 3                                             | 4        | 1           |
| •            | 5                    |                                                          | (=)        |       | † ·                                              |                    | 0.07 0.0                                          | 0.2 / 0.2  | i i  |               | (2) 1122113                                             | 6        | +           |
| 1            | 7 PARKING L          | TC                                                       | (E)        | 30    | 3                                                | 0.2 / 0.2          |                                                   |            | 3    | 30            | (E) FCU-H1                                              | 8        | 7           |
|              | 9                    |                                                          |            |       |                                                  |                    | 0.2 / 0.2                                         |            |      |               |                                                         | 10       |             |
|              | 11                   | D)                                                       | <b>#40</b> | 00    |                                                  | 4.4.4.4            |                                                   | 1.4 / 1.4  |      | 00            | //40 LIMP 4 (0 LIP)                                     | 12       | 4           |
|              | 13 HWP-3 (3 H        | P)                                                       | #12        | 20    | 3                                                | 1.4 / 1.4          | 1 4 / 1 4                                         |            | 3    | 20            | #12 HWP-4 (3 HP)                                        | 14<br>16 | 4           |
| 1            | 15<br>17 ELECTRIC I  | HEATER                                                   | (E)        | 20    | 1                                                |                    | 1.4 / 1.4                                         | 0.5 / 1.4  | -    |               |                                                         | 18       | +-          |
| <u>'</u>     | 19                   | ILATER                                                   | (L)        | 20    | 1                                                | 1.4 / 1.4          |                                                   | 0.571.4    | 3    | 20            | #12 HWP-5 (3 HP)                                        | 20       | $\dashv$    |
|              | 21 HWP-6 (3 H        | P)                                                       | #12        | 20    | 3                                                | 1.17 1.1           | 1.4 / 1.4                                         |            | ~    | 20            | 1112 11111 5 (6111)                                     | 22       | 1           |
|              | 23                   | ,                                                        |            |       |                                                  |                    |                                                   | 1.4 / 1.4  |      |               |                                                         | 24       |             |
|              | 25                   |                                                          |            |       |                                                  | 1.7 / 1.4          |                                                   |            | 3    | 20            | #12 HWP-7 (3 HP)                                        | 26       |             |
|              | 27 EUH-1 (5 kV       | <b>/</b> )                                               | #12        | 20    | 3                                                |                    | 1.7 / 1.4                                         |            |      |               |                                                         | 28       |             |
|              | 29                   |                                                          |            |       |                                                  |                    |                                                   | 1.7 / 1.7  |      |               | #40 EIHIO (EINI)                                        | 30       | _           |
|              | 31                   | //                                                       | #40        | 20    |                                                  | 1.7 / 1.7          | 47/47                                             |            | 3    | 20            | #12 EUH-2 (5 kW)                                        | 32       | 4           |
|              | 33 EUH-3 (5 kV       | <i>(</i> )                                               | #12        | 20    | 3                                                |                    | 1.7 / 1.7                                         | 1.7 / 4.0  | 1    | 30            | #10 FCU-H4 (3 HP)                                       | 34<br>36 | +           |
|              | 37                   |                                                          |            |       |                                                  | 1.7 / 1.7          |                                                   | 1.7 / 4.0  | H.   | 30            | #10 1 CO-114 (3 TIF)                                    | 38       | +           |
|              | 39 EUH-5 (5 kV       | /)                                                       | #12        | 20    | 3                                                | 1.7 7 1.7          | 1.7 / 1.7                                         |            | 3    | 20            | #12 EUH-4 (5 kW)                                        | 40       | -           |
|              | 41                   | .,                                                       |            |       |                                                  |                    |                                                   | 1.7 / 1.7  |      |               |                                                         | 42       | 1           |
|              | 43 FCU-H2 (3 F       |                                                          | #12        | 20    | 1                                                | 4.0 / 7.7          |                                                   |            |      |               |                                                         | 44       |             |
|              | 45 FCU-H3 (3 H       | IP)                                                      | #12        | 20    | 1                                                |                    | 4.0 / 8.7                                         |            | 3    | 50            | 1L TCPL                                                 | 46       |             |
|              | 47                   |                                                          |            |       |                                                  |                    |                                                   | 0.8 / 11.1 | L.   |               |                                                         | 48       | ┷           |
|              | 49 EF-H-16 (3 I      | HP)                                                      | #12        | 20    | 3                                                | 0.8 / 0.0          | 0.0.4.0.0                                         |            | 1    |               | SPACE                                                   | 50       |             |
|              | 51                   |                                                          |            |       | 4                                                |                    | 0.8 / 0.0                                         | 0.0/0.0    | 1    |               | SPACE                                                   | 52       | +           |
|              | 53 SPACE<br>55 SPACE |                                                          |            |       | 1                                                | 0.0 / 0.0          |                                                   | 0.0 / 0.0  | 1    |               | SPACE<br>SPACE                                          | 54<br>56 |             |
|              | 57 SPACE             |                                                          |            |       | <del>+                                    </del> | 0.07 0.0           | 0.0 / 0.0                                         |            | 1    | _ <del></del> | SPACE                                                   | 58       | +=          |
|              | 59 SPACE             |                                                          |            |       | 1                                                |                    | 0.07 0.0                                          | 0.0 / 0.0  | 1    |               | SPACE                                                   | 60       | +           |
|              | 61 SPACE             |                                                          |            |       | 1                                                | 0.0 / 0.0          |                                                   |            | 1    |               | SPACE                                                   | 62       |             |
|              | 63 SPACE             |                                                          |            |       | 1                                                |                    | 0.0 / 0.0                                         |            | 1    |               | SPACE                                                   | 64       |             |
|              | 65 SPACE             |                                                          |            |       | 1                                                |                    |                                                   | 0.0 / 0.0  | 1    |               | SPACE                                                   | 66       |             |
|              | 67 SPACE             |                                                          |            |       | 1                                                | 0.0 / 0.0          | 0.0/0.0                                           |            | 1    |               | SPACE                                                   | 68       | <del></del> |
|              | 69 SPACE<br>71 SPACE |                                                          | -          |       | 1                                                |                    | 0.0 / 0.0                                         | 0.0 / 0.0  | 1    |               | SPACE<br>SPACE                                          | 70<br>72 |             |
|              | 73 SPACE             |                                                          |            |       | 1                                                | 0.0 / 0.0          |                                                   | 0.070.0    | 1    |               | SPACE                                                   | 74       |             |
|              | 75 SPACE             |                                                          |            |       | 1                                                | 0.07 0.0           | 0.0 / 0.0                                         |            | 1    |               | SPACE                                                   | 76       | +           |
|              | 77 SPACE             |                                                          |            |       | 1                                                |                    | 112, 3.3                                          | 0.0 / 0.0  | 1    |               | SPACE                                                   | 78       |             |
|              | 79 SPACE             |                                                          |            |       | 1                                                | 0.0 / 0.0          |                                                   |            |      |               |                                                         | 80       |             |
|              | 81 SPACE             |                                                          |            |       | 1                                                |                    | 0.0 / 0.0                                         |            | 3    | 30            | #10 SPDL                                                | 82       | _           |
|              | 83 SPACE             |                                                          |            |       | 1                                                | 00.0               | 0000                                              | 0.0 / 0.0  | _    |               |                                                         | 84       |             |
|              |                      |                                                          | Total      |       |                                                  | 29.0 kVA           | 30.0 kVA                                          | 31.9 kVA   |      |               |                                                         |          |             |
|              |                      |                                                          | Total A    |       |                                                  | 105 A              | 109 A                                             | 116 A      |      |               |                                                         |          |             |
|              | Classification       |                                                          | Connec     |       |                                                  |                    | and Factor                                        | Estimate   |      |               | d Panel Totals                                          |          |             |
| IVA(         | <u> </u>             |                                                          |            | 1 kVA |                                                  |                    | 00.00%                                            |            | 1 kV |               |                                                         |          |             |
| leati        |                      |                                                          |            | kVA   |                                                  |                    | 00.00%                                            |            | ) kV |               | Total Conn. Load: 90.9 kVA                              |          |             |
| 1isce        | ellaneous            |                                                          | 8.1        | kVA   |                                                  | 1                  | 00.00%                                            | 8.1        | 1 kV | 4             | Total Est. Demand: 90.9 kVA                             |          |             |
| )the         | •                    |                                                          | 0.2        | kVA   |                                                  | 1                  | 00.00%                                            | 0.2        | 2 kV | 4             | Total Conn. Current: 109 A                              |          |             |
| ece          | ptacles              |                                                          | 2.5        | kVA   |                                                  | 1                  | 00.00%                                            | 2.5        | 5 kV | 4             | Total Est. Demand Current: 109 A                        |          |             |
| lote<br>- C  |                      | ED LOAD TO NEW PANEL                                     |            |       |                                                  | G -<br>LF          | brevations: PROVIDE GF - PROVIDE P - PROVIDE F    | ERMANENT I | LOC  | K-OFF         | DEVICE                                                  |          |             |



Registration: F-4111 Project No: 2023-05942-00



|       |          | Location: Supply From: Mounting: Surface |         |          |               | Volts: 277/46<br>hases: 3<br>Wires: 4<br>Phase in        |                       |      |       |      |       | A.I.C. Rating: 18,000<br>Enclosure: Type 1<br>Mains: 400A |         |          | T    |
|-------|----------|------------------------------------------|---------|----------|---------------|----------------------------------------------------------|-----------------------|------|-------|------|-------|-----------------------------------------------------------|---------|----------|------|
| Note  | СКТ      | T Circuit Description                    | Wire    | Breaker  | A             | В                                                        | С                     | Br   | eaker | Wire |       | Circuit Descrip                                           | otion   | СКТ      | Note |
|       | 1        |                                          |         |          |               |                                                          |                       |      |       |      |       |                                                           |         | 2        |      |
|       | 3        |                                          |         |          |               |                                                          |                       |      |       |      |       |                                                           |         | 4        |      |
|       | 5<br>7   |                                          |         |          |               |                                                          |                       |      |       |      |       |                                                           |         | 6<br>8   |      |
|       | 9        |                                          |         |          |               |                                                          |                       |      |       |      |       |                                                           |         | 10       |      |
|       | 11       |                                          |         |          |               |                                                          |                       |      |       |      |       |                                                           |         | 12       |      |
|       | 13       |                                          |         |          |               |                                                          |                       |      |       |      |       |                                                           |         | 14       |      |
|       | 15       |                                          |         |          |               |                                                          |                       |      |       |      |       |                                                           |         | 16       |      |
|       | 17       |                                          |         |          |               |                                                          |                       |      |       |      |       |                                                           |         | 18       |      |
|       | 19<br>21 |                                          |         |          |               |                                                          |                       |      |       |      |       |                                                           |         | 20<br>22 |      |
|       | 23       |                                          |         |          |               |                                                          |                       |      |       |      |       |                                                           |         | 24       |      |
|       | 25       |                                          |         |          |               |                                                          |                       |      |       |      |       |                                                           |         | 26       |      |
|       | 27       | 7                                        |         |          |               |                                                          |                       |      |       |      |       |                                                           |         | 28       |      |
|       | 29       |                                          |         |          |               |                                                          |                       |      |       |      |       |                                                           |         | 30       |      |
|       | 31       |                                          |         |          | 0.0 / 0.3     | 0.0/0.7                                                  |                       |      | 00    | 41   |       |                                                           |         | 32       | -    |
|       | 33<br>35 |                                          |         |          |               | 0.0 / 0.7                                                | 0.0 / 0.3             | 3    | 20    | 1L   | LTC   |                                                           |         | 34<br>36 | -    |
|       | 37       |                                          |         |          |               |                                                          | 0.070.3               |      |       |      |       |                                                           |         | 38       |      |
|       | 39       |                                          |         |          |               |                                                          |                       |      |       |      |       |                                                           |         | 40       |      |
|       | 41       |                                          |         |          |               |                                                          |                       |      |       |      |       |                                                           |         | 42       |      |
|       |          | ,                                        | Total   | Load:    | 0.3 kVA       | 0.7 kVA                                                  | 0.3 kVA               |      |       |      |       |                                                           |         | -        |      |
|       |          |                                          | Total A | mps:     | 1 A           | 2 A                                                      | 1 A                   | _    |       |      |       |                                                           |         |          |      |
| Load  | Clas     | ssification                              | Connec  | ted Load | Dem           | and Factor                                               | Estimat               | ed D | emand | i    |       | Panel 1                                                   | Totals  |          |      |
| Misce | llane    | eous                                     | 1.0     | kVA      | 1             | 00.00%                                                   | 1.0                   | ) kV | 4     |      |       |                                                           |         |          |      |
| Rece  | ptacle   | les                                      | 0.4     | kVA      | 1             | 00.00%                                                   | 0.4                   | 4 kV | 4     |      |       | Total Conn. Load:                                         | 1.4 kVA |          |      |
|       |          |                                          |         |          |               |                                                          |                       |      |       |      |       | Total Est. Demand:                                        | 1.4 kVA |          |      |
|       |          |                                          |         |          |               |                                                          |                       |      |       |      |       | Total Conn. Current:                                      |         |          |      |
|       |          |                                          |         |          |               |                                                          |                       |      |       |      | Total | Est. Demand Current:                                      |         |          |      |
|       |          |                                          |         |          |               |                                                          |                       |      |       |      |       |                                                           |         |          |      |
| Notes | 2"       |                                          |         |          | Δh            | brevations:                                              |                       |      |       |      |       |                                                           |         |          |      |
|       |          |                                          |         |          | G<br>LF<br>LC | - PROVIDE GI<br>- PROVIDE P<br>- PROVIDE F<br>- REFER TO | ERMANENT<br>PERMANENT | LOC  | K-OFF |      |       |                                                           |         |          |      |

| Bra                | anch Panel: SBL                          |         |        |     |           |                                                   |            |          |       |      | EXISTING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>PANEL</b> |     |
|--------------------|------------------------------------------|---------|--------|-----|-----------|---------------------------------------------------|------------|----------|-------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|
|                    | Location: Supply From: Mounting: Surface |         |        |     | PI        | Volts: 120/20<br>hases: 3<br>Wires: 4<br>Phase in |            |          |       |      | A.I.C. Rating: 10,000 Enclosure: Type 1 Mains: 400A MCB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |     |
| Note CKT           | Circuit Description                      | Wire    | Break  | ker | A         | В                                                 | С          | Bre      | aker  | Wire | Circuit Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | СКТ          | Not |
| 1                  | •                                        |         |        |     |           |                                                   |            |          |       |      | ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2            |     |
| 3                  |                                          |         |        |     |           |                                                   |            | $\sqcup$ |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4            |     |
| 5<br>7             |                                          |         |        |     |           |                                                   |            | $\vdash$ |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6<br>8       | -   |
| 9                  |                                          |         |        |     |           |                                                   |            | $\vdash$ |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10           |     |
| 11                 |                                          |         |        |     |           |                                                   |            |          |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12           |     |
| 13                 |                                          |         |        |     |           |                                                   |            |          |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 14           |     |
| 15                 |                                          |         |        |     |           |                                                   |            | $\vdash$ |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 16           |     |
| 17<br>19           |                                          |         |        |     |           |                                                   |            |          |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 18<br>20     |     |
| 21                 |                                          |         |        |     |           |                                                   |            | $\vdash$ |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 22           |     |
| 23                 |                                          |         |        |     |           |                                                   |            |          |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 24           |     |
| 25                 |                                          |         |        |     |           |                                                   |            |          |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 26           |     |
| 27                 |                                          |         |        |     |           |                                                   |            | $\vdash$ |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 28           | -   |
| 29<br>31           |                                          |         |        |     |           |                                                   |            | $\vdash$ |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 30<br>32     | +   |
| 33                 |                                          |         |        |     |           |                                                   |            | $\vdash$ |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 34           | +   |
| 35                 |                                          |         |        |     |           |                                                   |            |          |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 36           |     |
| 37                 |                                          |         |        |     |           |                                                   |            |          |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 38           |     |
| 39<br>41           |                                          |         |        |     |           |                                                   |            | $\vdash$ |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 40<br>42     | -   |
| 41                 |                                          | Total   | l vay. |     | 0.0 kVA   | 0.0 kVA                                           | 0.0 kVA    |          |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 42           |     |
|                    |                                          | Total A |        | L   | 0.0 KVA   | 0.0 KVA                                           | 0.0 KVA    |          |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |     |
| oad Classification | on                                       | Connec  |        |     |           | and Factor                                        | Estimate   | ed De    | mand  |      | Panel Totals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |     |
|                    |                                          |         |        |     |           |                                                   |            |          |       |      | Total Conn. Load: 0.0 kVA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |     |
|                    |                                          |         |        |     |           |                                                   |            |          |       |      | Total Est. Demand: 0.0 kVA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |     |
|                    |                                          |         |        |     |           |                                                   |            |          |       |      | Total Conn. Current: 0 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |     |
|                    |                                          |         |        |     |           |                                                   |            |          |       | To   | otal Est. Demand Current: 0 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |     |
|                    |                                          |         |        |     |           |                                                   |            |          |       |      | The soliding soliding of the solid s |              |     |
| Notes:             |                                          |         |        |     | Ab        | brevations:                                       |            |          |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |     |
|                    |                                          |         |        |     | G -<br>LF | PROVIDE GF<br>- PROVIDE P<br>- PROVIDE P          | ERMANENT I | _OCK     | (-OFF |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |     |



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CONSULTANT TEAM

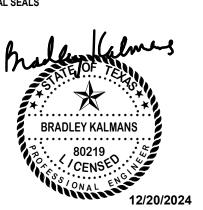
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REVISION HISTORY 1 ADDENDUM #2
REVISION DESCRIPTION 12/20/2024





2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041 PROJECT NUMBER

ORIGINAL ISSUE

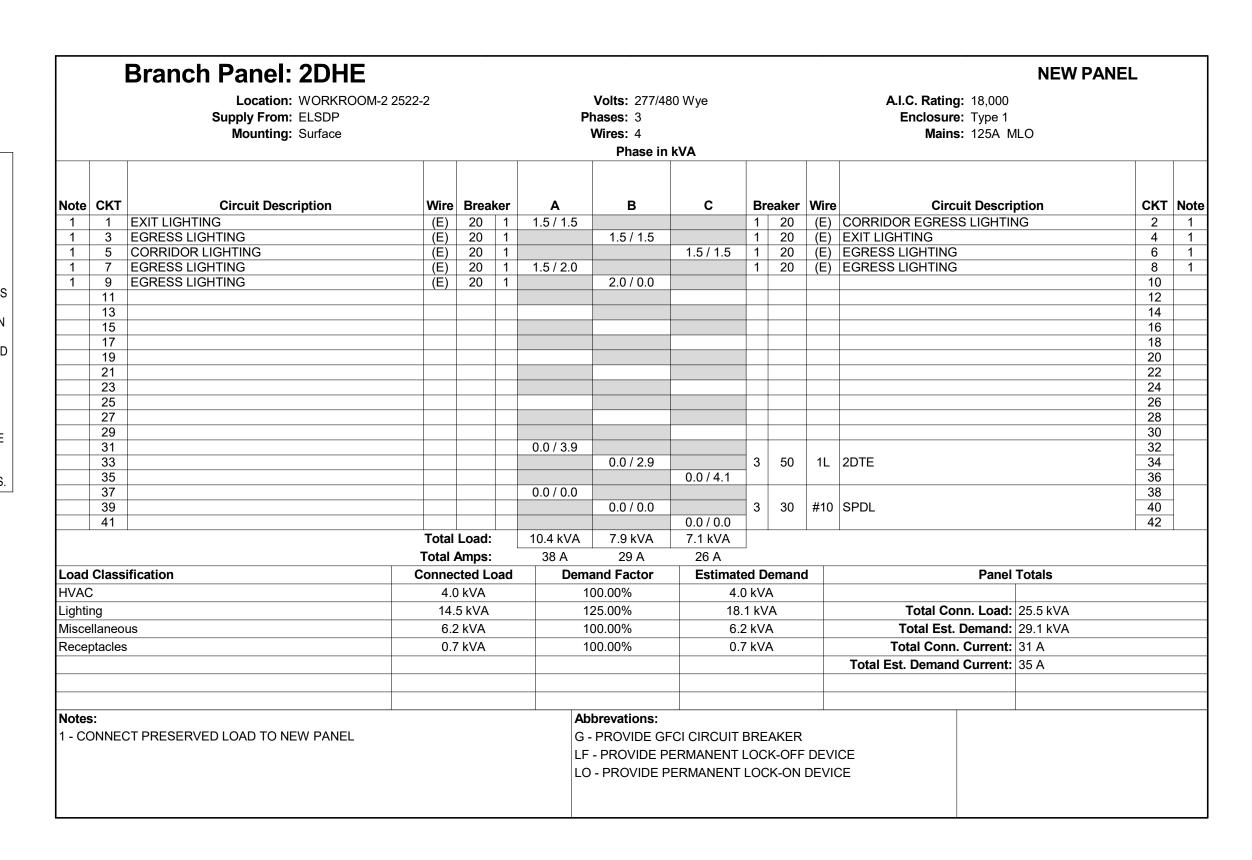
ISSUE FOR PROPOSALS DECEMBER 09, 2024

ELECTRICAL PANEL SCHEDULES

CONTRACTOR SHALL RECORD AND/OR PRESERVE THE EXISTING CIRCUIT DIRECTORY, IF ANY, FOR THE SOLE PURPOSE UPON COMPLETION OF NEW WORK OF PRODUCING A NEW DIRECTORY.

CONTRACTOR SHALL PROVIDE AS PART OF THE CONSTRUCTION DOCUMENTS A NEW, NEATLY TYPED DIRECTORY. CONTRACTOR SHALL TRACE EXISTING CIRCUITS AND SHALL LEGIBLY IDENTIFY AS TO IT'S CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE, LOADS SERVED, LOCATION AND/OR THE PANELBOARD SCHEDULE ON THE DRAWINGS. THE WORD "EXISTING" SHALL NOT BE USED ON PANELBOARD DIRECTORIES. SPARE BREAKERS ARE TO BE LISTED AS "SPARE" AND SWITCHED TO THE OFF POSITION. SPACES WITH NO BREAKERS ARE TO BE LEFT BLANK. REFER TO NEC-2023: 408.4(A) FOR DETAILS.

CONTRACTOR SHALL PERMANENTLY LABEL AS PART OF THE CONSTRUCTION DOCUMENTS ALL SWITCHBOARDS, SWITCHGEAR AND PANELBOARDS TO INDICATE EACH POWER SOURCE. REFER TO NEC-2023: 408.4(A) FOR DETAILS.



|         |          | Branch Panel: 2JHE  Location: ELECT J210 Supply From: ELSDP Mounting: Surface |               |          |      |            | Volts: 277/48 Phases: 3 Wires: 4 Phase in          | ·          |      |          |     | A.I.C. Rating: 18,000<br>Enclosure: Type 1<br>Mains: 400A | NEW PANEL |      |
|---------|----------|-------------------------------------------------------------------------------|---------------|----------|------|------------|----------------------------------------------------|------------|------|----------|-----|-----------------------------------------------------------|-----------|------|
| Note    | СКТ      | Circuit Description                                                           | Wire          | Bre      | aker | A          | В                                                  | С          | Br   | eaker    | Wir | re Circuit Descrip                                        | otion Cł  | KT N |
| 1       | 1        | EGRESS LIGHTS                                                                 | (E)           | 20       |      | 1.5 / 1.5  |                                                    |            | 1    | 20       |     | ) EGRESS LIGHTS                                           | 2         |      |
| 1       | 3        | EGRESS LIGHTS                                                                 | (E)           | 20       | 1    |            | 1.5 / 1.5                                          |            | 1    | 20       | (E) | MAIN GYM EMERGENCY LIGH                                   | HTS 4     | 4    |
| 1       | 5        | EXIT LIGHTS                                                                   | (E)           | 20       |      |            |                                                    | 1.5 / 1.5  | 1    | 20       | (E) | EXIT LIGHTS                                               | 6         | 6    |
|         | 7        | SPARE                                                                         |               | 20       |      | 0.0 / 1.5  |                                                    |            | 1    | 20       | (E) | EGRESS LIGHTS                                             | 8         |      |
| 2       |          | EXIT LIGHTS                                                                   | #10           | 20       |      |            | 0.2 / 0.0                                          |            | 1    | 20       |     | - · · · · -                                               |           | 0    |
| 2       |          | CORRIDOR LIGHTS                                                               | #10           | 20       |      | 0.0100     |                                                    | 0.5 / 0.0  | 1    | 20       |     |                                                           | 12        |      |
| 2       |          | EGRESS LIGHTS                                                                 | #10           | 20       |      | 0.6 / 0.0  |                                                    |            | 1    | 20       |     |                                                           | 14        |      |
| 2       | 15<br>17 | MULTIPURPOSE LIGHTS OUTDOOR EGRESS LIGHTS                                     | #10<br>#8     | 20<br>20 |      |            | 2.5 / 0.0                                          | 0.3 / 0.0  | 1    | 20<br>20 |     |                                                           | 18        | 8    |
|         | 19       | OUTDOOK EGRESS LIGHTS                                                         | #0            | 20       | ' '  |            |                                                    | 0.370.0    | -    | 20       |     | SPARE                                                     | 20        |      |
|         | 21       |                                                                               |               |          |      |            |                                                    |            |      |          |     |                                                           | 22        |      |
|         | 23       |                                                                               |               |          |      |            |                                                    |            |      |          |     |                                                           | 24        |      |
|         | 25       |                                                                               |               |          |      |            |                                                    |            |      |          |     |                                                           | 26        |      |
|         | 27       |                                                                               |               |          |      |            |                                                    |            |      |          |     |                                                           | 28        |      |
|         | 29       |                                                                               |               |          |      |            |                                                    |            |      |          |     |                                                           | 30        | 0    |
|         | 31       |                                                                               |               |          |      | 0.0 / 11.0 |                                                    |            |      |          |     |                                                           | 32        |      |
|         | 33       |                                                                               |               |          |      |            | 0.0 / 12.8                                         |            | 3    | 50       | 1L  | . 2JTE                                                    | 34        |      |
|         | 35       |                                                                               |               |          |      |            |                                                    | 0.0 / 6.2  |      |          |     |                                                           | 36        |      |
|         | 37       |                                                                               |               |          |      | 0.0 / 0.0  |                                                    |            |      |          |     |                                                           | 38        |      |
|         | 39       |                                                                               |               |          |      |            | 0.0 / 0.0                                          | 0.0/0.0    | 3    | 30       | #1( | SPDL                                                      | 40        |      |
|         | 41       |                                                                               | T . 4 . 1     |          |      | 40.411/4   | 40.011/4                                           | 0.0 / 0.0  | -    |          |     |                                                           | 42        | 12   |
|         |          |                                                                               | Total         |          |      | 16.1 kV    |                                                    | 10.0 kVA   |      |          |     |                                                           |           |      |
|         |          |                                                                               | Total         |          |      | 62 A       | 70 A                                               | 36 A       |      |          |     |                                                           |           |      |
|         |          | sification                                                                    | Conne         |          |      | De         | mand Factor                                        | Estimate   |      |          |     | Panel                                                     | Γotals    |      |
| HVAC    |          |                                                                               |               | ) kV/    |      |            | 100.00%                                            | 6.0        | ) kV | 4        |     |                                                           |           |      |
| _ightir | ng       |                                                                               | 14.           | 6 kV     | A    |            | 125.00%                                            | 18.        | 3 kV | Ά        |     | Total Conn. Load:                                         | 44.6 kVA  |      |
| Misce   | llaneo   | us                                                                            | 21.           | 5 kV     | A    |            | 100.00%                                            | 21.        | 5 kV | Ά        |     | Total Est. Demand:                                        | 48.3 kVA  |      |
| Recer   | tacles   | S                                                                             | 2.5           | 5 kV/    | ١    |            | 100.00%                                            | 2.5        | 5 kV | Ą        |     | Total Conn. Current:                                      | 54 A      |      |
|         |          |                                                                               |               |          |      |            |                                                    |            |      |          |     | Total Est. Demand Current:                                |           |      |
|         |          |                                                                               |               |          |      |            |                                                    |            |      |          |     |                                                           |           |      |
|         |          |                                                                               |               |          |      |            |                                                    |            |      |          |     |                                                           |           |      |
| Notes   |          |                                                                               |               |          |      |            | Abbrevations:                                      |            |      |          |     |                                                           |           |      |
| 1 - CC  | NNEC     | CT PRESERVED LOAD TO NEW PANEL<br>LOAD SERVED, INTERCEPT AND EXTENI           | O CIRCUIT FRO | OM P     | ANEL | 'EHT'      | G - PROVIDE GF<br>LF - PROVIDE P<br>LO - PROVIDE P | ERMANENT I | LOC  | K-OFF    |     |                                                           |           |      |

|             | Branch Panel: EHS  Location: MECHANICA Supply From: ELSDP Mounting: Surface                              | L ROOM-2 205 | 8-2     |    | Pł                 | Volts: 277/48<br>nases: 3<br>Wires: 4<br>Phase in |                        |      |       | A.I.C. Rating: 18,0 Enclosure: Type Mains: 200 | e 1          | NEL |      |
|-------------|----------------------------------------------------------------------------------------------------------|--------------|---------|----|--------------------|---------------------------------------------------|------------------------|------|-------|------------------------------------------------|--------------|-----|------|
| Note CKT    | Circuit Description                                                                                      | Wire         | Breake  | er | A                  | В                                                 | С                      | Br   | eaker | Wire Circuit Des                               | cription     | скт | Note |
| 1 1         | EXIT LIGHTING                                                                                            | (E)          | 20      | 1  | 2.3 / 0.0          |                                                   |                        | 1    | 20    | SPARE                                          |              | 2   |      |
| 1 3         | EGRESS CORRIDOR LIGHTS                                                                                   | (E)          |         | 1  |                    | 0.6 / 0.0                                         |                        | 1    | 20    | SPARE                                          |              | 4   |      |
| 1 5         | EGRESS CORRIDOR LIGHTS                                                                                   | (E)          | 20      | 1  |                    |                                                   | 3.3 / 0.0              | 1    | 20    | SPARE                                          |              | 6   |      |
| 1 7         | 2ND FLOOR EGRESS LIGHTS                                                                                  | (E)          |         | 1  | 0.6 / 0.0          |                                                   |                        | 1    | 20    | SPARE                                          |              | 8   |      |
| 1 9         | OUTDOOR EGRESS LIGHTS                                                                                    | (E)          |         | 1  |                    | 3.3 / 0.0                                         |                        | 1    | 20    | SPARE                                          |              | 10  |      |
| 2 11        | EGRESS LIGHTING                                                                                          | #8           |         | 1  |                    |                                                   | 2.3 / 0.0              | 1    | 20    | SPARE                                          |              | 12  |      |
| 2 13        | EXIT LIGHTS                                                                                              | #8           | -       | 1  | 0.6 / 0.0          |                                                   |                        | 1    |       | SPACE                                          |              | 14  |      |
| 2 15        | EGRESS LIGHTING                                                                                          | #8           |         | 1  |                    | 3.3 / 0.0                                         |                        | 1    |       | SPACE                                          |              | 16  |      |
| 2 17        | EGRESS LIGHTING                                                                                          | #8           | -       | 1  |                    |                                                   | 1.2 / 0.0              | 1    |       | SPACE                                          |              | 18  |      |
|             | EGRESS LIGHTING                                                                                          | #8           |         | _  | 0.4 / 0.0          |                                                   |                        | 1    |       | SPACE                                          |              | 20  |      |
|             | EGRESS LIGHTING                                                                                          | #10          |         | 1  |                    | 1.5 / 0.0                                         |                        | 1    |       | SPACE                                          |              | 22  |      |
| 3 23        | EGRESS LIGHTING                                                                                          | #10          |         | 1  |                    |                                                   | 1.5 / 0.0              | 1    |       | SPACE                                          |              | 24  |      |
| 3 25        | EGRESS LIGHTING                                                                                          | #10          |         |    | 1.5 / 0.0          |                                                   |                        | 1    |       | SPACE                                          |              | 26  |      |
| 3 27        | EXIT LIGHTS                                                                                              | #10          |         | 1  |                    | 1.5 / 0.0                                         |                        | 1    |       | SPACE                                          |              | 28  |      |
| 3 29        | EXIT LIGHTS                                                                                              | #10          |         | 1  |                    |                                                   | 1.5 / 0.0              | 1    |       | SPACE                                          |              | 30  |      |
| 3 31        | EGRESS LIGHTS                                                                                            | #10          | -       |    | 1.5 / 16.1         |                                                   |                        |      |       |                                                |              | 32  |      |
| 33          | SPARE                                                                                                    |              | -       | 1  |                    | 0.0 / 15.8                                        | 0.0/40.0               | 3    | 80    | 1L ETS                                         |              | 34  |      |
| 35          | SPARE                                                                                                    |              |         | 1  | 0.0.10.0           |                                                   | 0.0 / 10.6             |      |       |                                                |              | 36  |      |
| 37          | SPARE                                                                                                    |              |         | _  | 0.0 / 0.0          | 0.0/0.0                                           |                        |      | 00    | #40 OPPI                                       |              | 38  | _    |
| 39          | SPARE                                                                                                    | <br>(E)      | -       | 1  |                    | 0.0 / 0.0                                         | 22/00                  | 3    | 30    | #10 SPDL                                       |              | 40  |      |
| 1   41      | RELAY PANEL ERS/RS                                                                                       | (E)          |         | 1  | 00.01374           | 05.011/4                                          | 3.3 / 0.0              |      |       |                                                |              | 42  |      |
|             |                                                                                                          | Total        |         |    | 23.0 kVA           | 25.9 kVA                                          | 23.7 kVA               |      |       |                                                |              |     |      |
|             |                                                                                                          | Total A      | Amps:   |    | 83 A               | 94 A                                              | 86 A                   |      |       |                                                |              |     |      |
| Load Class  | sification                                                                                               | Connec       | ted Loa | ad | Dema               | and Factor                                        | Estimate               | ed D | emano | d Pa                                           | nel Totals   |     |      |
| HVAC        |                                                                                                          | 2.0          | kVA     |    | 10                 | 00.00%                                            | 2.0                    | ) kV | A     |                                                |              |     |      |
| _ighting    |                                                                                                          | 30.0         | ) kVA   |    | 12                 | 25.00%                                            | 37.                    | 6 kV | /A    | Total Conn. Lo                                 | ad: 72.6 kVA |     |      |
| Miscellaneo | ule.                                                                                                     |              | 4 kVA   |    | _                  | 00.00%                                            |                        | 4 kV |       | Total Est. Dema                                |              |     |      |
|             |                                                                                                          |              |         |    |                    |                                                   |                        |      |       |                                                |              |     |      |
| Receptacles | 5                                                                                                        | 2.2          | kVA     |    | 10                 | 00.00%                                            | 2.2                    | 2 kV | Α     | Total Conn. Curre                              |              |     |      |
|             |                                                                                                          |              |         |    |                    |                                                   |                        |      |       | Total Est. Demand Curre                        | nt: 96 A     |     |      |
| Notes:      |                                                                                                          |              |         |    | ALL                | h un                                              |                        |      |       |                                                |              |     |      |
| Notes:      | OT DDEOEDVED   OAD TO VEW DAY:                                                                           |              |         |    |                    | brevations:                                       | -0.0                   |      | – –   |                                                |              |     |      |
| 2 - VERIFY  | CT PRESERVED LOAD TO NEW PANEL<br>LOAD SERVED, INTERCEPT AND EXTEND<br>LOAD SERVED, INTERCEPT AND EXTEND |              |         |    | CHE' LF<br>CHE' LO | PROVIDE GF - PROVIDE P - PROVIDE P - REFER TO     | ERMANENT I<br>ERMANENT | LOC  | K-OFF | DEVICE                                         |              |     |      |

|           |          | Branch Panel: EHU                                              | NA 0400              |                     |          |                    | V-lt 077/4                            | 20.14/          |       |       |          | A I O Dating 40 000                                       | NEW PANEL |        |
|-----------|----------|----------------------------------------------------------------|----------------------|---------------------|----------|--------------------|---------------------------------------|-----------------|-------|-------|----------|-----------------------------------------------------------|-----------|--------|
|           |          | Location: MECH. ROO<br>Supply From: ELSDP<br>Mounting: Surface | DM C109              |                     |          | PI                 | Volts: 277/48<br>hases: 3<br>Wires: 4 | 30 wye          |       |       |          | A.I.C. Rating: 18,000<br>Enclosure: Type 1<br>Mains: 125A | 1LO       |        |
|           |          |                                                                |                      |                     |          |                    | Phase in                              | kVA             |       |       |          |                                                           |           |        |
| Mata      | СКТ      | Circuit Decemention                                            | M/ivo I              | Dun ni              |          | <b>A</b>           | В                                     |                 | D     | aakau | Mino     | Circuit Decem                                             | ntion Ch  | (T Not |
| Note<br>1 |          | Circuit Description EXIT LIGHTS                                | Wire I               | <b>3rea</b> i<br>20 | ker<br>1 | <b>A</b> 0.2 / 0.0 | В                                     | С               | Br    | eaker | vvire    | Circuit Descri                                            | ption CN  |        |
| 1         |          | EMERGENCY LIGHTS                                               |                      | 20                  | 1        | 0.27 0.0           | 1.0 / 0.0                             |                 |       |       |          |                                                           | 4         |        |
| 1         |          | EMERGENCY LIGHTS                                               |                      | 20                  | 1        |                    | 1.0 / 0.0                             | 0.8 / 0.0       |       |       |          |                                                           | 6         |        |
| 1         |          | OUTDOOR EGRESS LIGHTS                                          |                      | 20                  | 1        | 0.2 / 0.0          |                                       | 0.070.0         |       |       |          |                                                           | 8         |        |
| 1         |          | RELAY PANEL ERU/RU                                             |                      | 20                  | 1        | 0.27 0.0           | 0.0 / 0.0                             |                 |       |       |          |                                                           | 10        |        |
| •         | 11       |                                                                | (-/                  |                     |          |                    | 0.07 0.0                              |                 |       |       |          |                                                           | 12        |        |
|           | 13       |                                                                |                      |                     |          |                    |                                       |                 |       |       |          |                                                           | 14        |        |
|           | 15       |                                                                |                      |                     |          |                    |                                       |                 |       |       |          |                                                           | 16        |        |
|           | 17       |                                                                |                      |                     |          |                    |                                       |                 |       |       |          |                                                           | 18        | 8      |
|           | 19       |                                                                |                      |                     |          |                    |                                       |                 |       |       |          |                                                           | 20        |        |
|           | 21       |                                                                |                      |                     |          |                    |                                       |                 |       |       |          |                                                           | 22        |        |
|           | 23       |                                                                |                      |                     |          |                    |                                       |                 |       |       |          |                                                           | 24        |        |
|           | 25       |                                                                |                      |                     |          |                    |                                       |                 |       |       |          |                                                           | 26        |        |
|           | 27       |                                                                |                      |                     |          |                    |                                       |                 |       |       |          |                                                           | 28        |        |
|           | 29       |                                                                |                      |                     |          |                    |                                       |                 |       |       |          |                                                           | 30        |        |
|           | 31       |                                                                |                      |                     |          |                    |                                       |                 |       |       | -        |                                                           | 32        |        |
|           | 33<br>35 |                                                                |                      |                     |          |                    |                                       |                 |       |       |          |                                                           | 34        |        |
|           | 37       |                                                                |                      |                     |          | 0.0 / 0.0          |                                       |                 |       |       |          |                                                           | 38        |        |
|           | 39       |                                                                |                      |                     |          | 0.07 0.0           | 0.0 / 0.0                             |                 | 3     | 30    | #10      | SPDL                                                      | 40        |        |
|           | 41       |                                                                |                      |                     |          |                    | 0.070.0                               | 0.0 / 0.0       | ٦     | 30    | #10      | SI DE                                                     | 42        |        |
|           | 71       |                                                                | Total L              | vaq.                | ш        | 0.4 kVA            | 1.0 kVA                               | 0.8 kVA         |       |       |          |                                                           |           | _      |
|           |          |                                                                |                      |                     | L        |                    |                                       |                 | _     |       |          |                                                           |           |        |
| l oad     | Clace    | ification                                                      | Total Ar<br>Connecte |                     |          | 1 A                | 4 A and Factor                        | 3 A<br>Estimate | 74 D  | oman  | 4        | Danol                                                     | Totals    |        |
|           |          | incation                                                       | 2.3 k                |                     | Jau      |                    | 25.00%                                |                 | 3 kV/ |       | <b>.</b> | i anei                                                    | Totals    |        |
| Lightii   |          |                                                                |                      |                     |          |                    |                                       |                 |       |       |          | Total Comm. Locals                                        | 0.01374   |        |
| viisce    | llaneo   | us                                                             | 0.0 k                | (VA                 |          |                    | 0.00%                                 | 0.0             | ) kV  | 4     |          | Total Conn. Load:                                         |           |        |
|           |          |                                                                |                      |                     |          |                    |                                       |                 |       |       |          | Total Est. Demand:                                        |           |        |
|           |          |                                                                |                      |                     |          |                    |                                       |                 |       |       |          | Total Conn. Current:                                      | 3 A       |        |
|           |          |                                                                |                      |                     |          |                    |                                       |                 |       |       |          | Total Est. Demand Current:                                | 3 A       |        |
|           |          |                                                                |                      |                     |          |                    |                                       |                 |       |       |          |                                                           |           |        |
| Notes     | :        |                                                                |                      |                     |          | Ab                 | brevations:                           |                 |       |       |          |                                                           |           |        |
|           |          | CT PRESERVED LOAD TO NEW PANEL                                 |                      |                     |          |                    | PROVIDE GI                            | CI CIRCUIT I    | BRF   | AKFR  |          |                                                           |           |        |
|           |          |                                                                |                      |                     |          |                    | - PROVIDE P                           |                 |       |       |          | CE                                                        |           |        |
|           |          |                                                                |                      |                     |          |                    |                                       | ERMANENT I      |       |       |          |                                                           |           |        |

|        |          | Branch Panel: ELSH,  Location: CENTRAL P  Supply From: ELSDP  Mounting: Surface |                   |      | Př        | Volts: 277/48<br>nases: 3<br>Wires: 4<br>Phase in | ·         |      |       |              | A.I.C. Rating: 18,000<br>Enclosure: Type 1<br>Mains: 125A MLO |          |      |
|--------|----------|---------------------------------------------------------------------------------|-------------------|------|-----------|---------------------------------------------------|-----------|------|-------|--------------|---------------------------------------------------------------|----------|------|
| Note   | СКТ      | Circuit Description                                                             | Wire Brea         | ker  | A         | В                                                 | С         | Br   | eaker | Wire         | Circuit Description                                           | СКТ      | Note |
| 1      | 1        | EMERGENCY LIGHTING                                                              | #10 20            | 1    | 1.5 / 0.0 |                                                   |           | 1    |       |              | SPACE                                                         | 2        |      |
| 1      | 3        | EMERGENCY LIGHTING                                                              | #10 20            | 1    |           | 1.5 / 0.0                                         |           | 1    |       |              | SPACE                                                         | 4        |      |
|        | 5        |                                                                                 |                   |      |           |                                                   | 0.0 / 0.0 | 1    |       |              | SPACE                                                         | 6        |      |
|        | 7        |                                                                                 |                   |      | 0.0 / 0.0 |                                                   |           | 1    |       |              | SPACE                                                         | 8        |      |
|        | 9        |                                                                                 |                   |      |           | 0.0 / 0.0                                         | 0.0100    | 1    |       |              | SPACE                                                         | 10       |      |
|        | 11       |                                                                                 |                   |      | 0.0 / 0.0 |                                                   | 0.0 / 0.0 | 1    |       | <del> </del> | SPACE<br>SPACE                                                | 12<br>14 |      |
|        | 13<br>15 |                                                                                 |                   |      | 0.07 0.0  | 0.0 / 0.0                                         |           | 1    |       |              | SPACE                                                         | 16       |      |
|        | 17       |                                                                                 |                   |      |           | 0.070.0                                           | 0.0 / 0.0 | 1    |       |              | SPACE                                                         | 18       |      |
|        | 19       |                                                                                 |                   |      | 0.0 / 0.0 |                                                   | 0.07 0.0  | 1    |       |              | SPACE                                                         | 20       |      |
|        | 21       |                                                                                 |                   |      | 0.07 0.0  | 0.0 / 0.0                                         |           | 1    |       |              | SPACE                                                         | 22       |      |
|        | 23       |                                                                                 |                   |      |           |                                                   | 0.0 / 0.0 | 1    |       |              | SPACE                                                         | 24       |      |
|        | 25       |                                                                                 |                   |      | 0.0 / 0.0 |                                                   |           | 1    |       |              | SPACE                                                         | 26       |      |
|        | 27       |                                                                                 |                   |      |           | 0.0 / 0.0                                         |           | 1    |       |              | SPACE                                                         | 28       |      |
|        | 29       |                                                                                 |                   |      |           |                                                   | 0.0 / 0.0 | 1    |       |              | SPACE                                                         | 30       |      |
|        | 31       |                                                                                 |                   |      | 0.0 / 0.0 |                                                   |           | 1    |       |              | SPACE                                                         | 32       |      |
|        | 33       |                                                                                 |                   |      |           | 0.0 / 0.0                                         |           | 1    |       |              | SPACE                                                         | 34       |      |
|        | 35       |                                                                                 |                   |      |           |                                                   | 0.0 / 0.0 | 1    |       |              | SPACE                                                         | 36       |      |
|        | 37       |                                                                                 |                   |      | 0.0 / 0.0 | 0.0100                                            |           |      |       | ""           | 0001                                                          | 38       |      |
|        | 39       |                                                                                 |                   |      |           | 0.0 / 0.0                                         | 0.0.1.0.0 | 3    | 30    | #10          | SPDL                                                          | 40       | _    |
|        | 41       |                                                                                 | T. (.) (          |      | 4.5.13.44 | 4.51374                                           | 0.0 / 0.0 |      |       |              |                                                               | 42       |      |
|        |          |                                                                                 | Total Load        |      | 1.5 kVA   | 1.5 kVA                                           | 0.0 kVA   |      |       |              |                                                               |          |      |
|        |          |                                                                                 | Total Amps        |      | 6 A       | 6 A                                               | 0 A       |      |       |              |                                                               |          |      |
| Load   | Classi   | ification                                                                       | Connected L       | oad  | Dema      | and Factor                                        | Estimate  | ed D | eman  | b            | Panel Totals                                                  |          |      |
| Lighti | ng       |                                                                                 | 3.0 kVA           |      | 12        | 25.00%                                            | 3.8       | B kV | A     |              |                                                               |          |      |
| Misce  | llaneou  | us                                                                              | 0.0 kVA           |      | (         | 0.00%                                             | 0.0       | ) kV | A     |              | Total Conn. Load: 3.0 kVA                                     |          |      |
|        |          |                                                                                 |                   |      |           |                                                   |           |      |       |              | Total Est. Demand: 3.8 kVA                                    |          |      |
|        |          |                                                                                 |                   |      |           |                                                   |           |      |       |              | Total Conn. Current: 4 A                                      |          |      |
|        |          |                                                                                 |                   |      |           |                                                   |           |      |       |              | Total Est. Demand Current: 5 A                                |          |      |
|        |          |                                                                                 |                   |      |           |                                                   |           |      |       |              | Total Lot. Domaila Guilona.                                   |          |      |
| Notes  |          |                                                                                 |                   |      | Δhl       | brevations:                                       |           |      |       |              |                                                               |          |      |
| 1 - VE |          | LOAD SERVED, INTERCEPT AND EXTEN<br>SHA'                                        | D CIRCUIT FROM EX | ISTI | NG G -    | PROVIDE GF<br>- PROVIDE P<br>- PROVIDE F          | ERMANENT  | LOC  | K-OFF | DEVI         |                                                               |          |      |



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REVISION HISTORY

1 ADDENDUM #2 12/20/2024

REVISION DESCRIPTION DATE



CLIENT



2024 CY RIDGE HS
RENOVATION
7900 North Eldridge Parkway

Houston, TX 77041

PROJECT NUMBER
33AC23221

DRAWN BY

CHECKED BY

ORIGINAL ISSUE

ISSUE FOR PROPOSALS

DECEMBER 09, 2024

ELECTRICAL PANEL SCHEDULES

CONTRACTOR SHALL RECORD AND/OR PRESERVE THE EXISTING CIRCUIT DIRECTORY, IF ANY, FOR THE SOLE PURPOSE UPON COMPLETION OF NEW WORK OF PRODUCING A NEW DIRECTORY.

CONTRACTOR SHALL PROVIDE AS PART OF THE CONSTRUCTION DOCUMENTS A NEW, NEATLY TYPED DIRECTORY. CONTRACTOR SHALL TRACE EXISTING CIRCUITS AND SHALL LEGIBLY IDENTIFY AS TO IT'S CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE, LOADS SERVED, LOCATION AND/OR THE PANELBOARD SCHEDULE ON THE DRAWINGS. THE WORD "EXISTING" SHALL NOT BE USED ON PANELBOARD DIRECTORIES. SPARE BREAKERS ARE TO BE LISTED AS "SPARE" AND SWITCHED TO THE OFF POSITION. SPACES WITH NO BREAKERS ARE TO BE LEFT BLANK. REFER TO NEC-2023: 408.4(A) FOR DETAILS.

CONTRACTOR SHALL PERMANENTLY LABEL AS PART OF THE CONSTRUCTION DOCUMENTS ALL SWITCHBOARDS, SWITCHGEAR AND PANELBOARDS TO INDICATE EACH POWER SOURCE. REFER TO NEC-2023: 408.4(A) FOR DETAILS.

|                    |        | Location: ELEC 1829 Supply From: TAVTL Mounting: Surface |         |          |     | Pi        | Volts: 120/20<br>nases: 3<br>Wires: 4<br>Phase in | ·          |       |         |                                                | A.I.C. Rating: 10,000<br>Enclosure: Type 1<br>Mains: 250A MCB |     |      |
|--------------------|--------|----------------------------------------------------------|---------|----------|-----|-----------|---------------------------------------------------|------------|-------|---------|------------------------------------------------|---------------------------------------------------------------|-----|------|
|                    |        |                                                          |         |          |     |           |                                                   |            |       |         |                                                |                                                               |     |      |
| lote               | CKT    | •                                                        | Wire    |          |     | A         | В                                                 | С          | _     | reaker  |                                                | •                                                             | СКТ | Note |
|                    | 1      | Receptacles STAGE 1759                                   | #12     | 20       | 1   | 0.2 / 0.4 | 0.0/0.4                                           |            | 1     | 20      |                                                | Receptacles CONTROL ROOM 1770                                 | 2   |      |
|                    | 3      | Receptacles AUDITORIUM 1750                              | #12     | 20       | 1   |           | 0.2 / 0.4                                         | 0.0.40.4   | 1     | 20      |                                                | Receptacles CONTROL ROOM 1770                                 | 4   |      |
|                    | 5      | Receptacles AUDITORIUM 1750                              | #12     | 20       | 1   | 0.0/0.0   |                                                   | 0.2 / 0.4  | 1     | 20      |                                                | Receptacles CONTROL ROOM 1770                                 | 6   |      |
|                    | 7      | Receptacles AUDITORIUM 1750                              | #12     | 20       | 1   | 0.2 / 0.2 | 0.0/0.4                                           |            | 1     | 20      |                                                | PROJECTOR                                                     | 8   |      |
|                    | 9      | Receptacles STAGE 1759                                   | #12     | 20       | 1   |           | 0.2 / 0.4                                         | 0.4.40.0   | 1     | 20      |                                                | Receptacles CONTROL ROOM 1770                                 | 10  |      |
|                    | 11     | Receptacles STAGE 1759                                   | #12     | 20       | 1   | 4.5.40.0  |                                                   | 0.4 / 0.2  | 1     | 20      |                                                | Receptacles MALL F101                                         | 12  |      |
|                    | 13     | AV RACK                                                  | #10     | 20       | 1   | 1.5 / 0.2 | 4.5.40.0                                          |            | 1     | 20      |                                                | Receptacles DRAMA CLASSROOM 1803                              | 14  |      |
|                    | 15     | AV RACK                                                  | #10     | 20       | 1   |           | 1.5 / 0.2                                         |            | 1     | 20      |                                                | Receptacles DRAMA CLASSROOM 1809                              | 16  |      |
|                    | 17     | Receptacles AUDITORIUM 1750                              | #12     | 20       | 1   | 0.5.1.5.  |                                                   | 0.4 / 0.5  | 1     | 20      | #12                                            | PROJECTOR SCREEN                                              | 18  | 1    |
|                    | 19     | Receptacles AUDITORIUM 1750                              | #12     | 20       | 1   | 0.2 / 9.6 |                                                   |            | ١.    |         |                                                |                                                               | 20  | 1    |
|                    | 21     | Receptacles AUDITORIUM 1750                              | #12     | 20       | 1   |           | 0.2 / 9.6                                         |            | 3     | 100     | #1/0                                           | THEATRICAL PANEL                                              | 22  | 1    |
|                    | 23     | AV RACK                                                  | #10     | 20       | 1   |           |                                                   | 1.5 / 9.6  | 1     |         | ļ.,                                            |                                                               | 24  | 1    |
|                    | 25     | AV RACK                                                  | #10     | 20       | 1   | 1.5 / 0.5 |                                                   |            | 1     | 20      |                                                | THEATRICAL PANEL                                              | 26  | 1    |
|                    | 27     | AV RACK                                                  | #10     | 20       | 1   |           | 1.5 / 0.4                                         |            | 1     | 20      |                                                | Receptacles STAGE 1759                                        | 28  | 1    |
|                    | 29     | AV RACK                                                  | #10     | 20       | 1   |           |                                                   | 1.5 / 0.4  | 1     | 20      | #12                                            | Receptacles STAGE 1759                                        | 30  |      |
|                    | 31     | AV RACK                                                  | #10     | 20       | 1   | 1.5 / 0.0 |                                                   |            | 1     | 20      |                                                | SPARE                                                         | 32  |      |
|                    | 33     | AV RACK                                                  | #10     | 20       | 1   |           | 1.5 / 0.0                                         |            | 1     | 20      |                                                | SPARE                                                         | 34  |      |
|                    | 35     | Receptacles CONTROL ROOM 1770                            | #12     | 20       | 1   |           |                                                   | 0.4 / 0.0  | 1     | 20      |                                                | SPARE                                                         | 36  |      |
|                    | 37     | Receptacles CONTROL ROOM 1770                            | #12     | 20       | 1   | 0.4 / 0.0 |                                                   |            | 1     | 20      |                                                | SPARE                                                         | 38  |      |
|                    | 39     | Receptacles CONTROL ROOM 1770                            | #12     | 20       | 1   |           | 0.4 / 0.0                                         |            | 1     | 20      |                                                | SPARE                                                         | 40  |      |
|                    | 41     | Receptacles CONTROL ROOM 1770                            | #12     | 20       | 1   |           |                                                   | 0.4 / 0.0  | 1     | 20      |                                                | SPARE                                                         | 42  |      |
|                    | 43     | SPACE                                                    |         |          | 1   | 0.0 / 0.0 |                                                   | 0117, 010  | 1     | 20      | 1                                              | SPARE                                                         | 44  |      |
|                    | 45     | SPACE                                                    |         |          | 1   | 0.07 0.0  | 0.0 / 0.0                                         |            | 1     | 20      |                                                | SPARE                                                         | 46  |      |
|                    | 47     | SPACE                                                    |         |          | 1   |           | 0.07 0.0                                          | 0.0 / 0.0  | 1     | 20      |                                                | SPARE                                                         | 48  |      |
|                    | 49     | SPACE                                                    |         |          | 1   | 0.0 / 0.0 |                                                   | 0.070.0    | 1     | 20      |                                                | SPARE                                                         | 50  |      |
|                    | 51     | SPACE                                                    |         |          | 1   | 0.070.0   | 0.0 / 0.0                                         |            | 1     | 20      |                                                | SPARE                                                         | 52  |      |
| -                  | 53     | SPACE                                                    |         |          |     |           | 0.070.0                                           | 0.0 / 0.0  | -     | 20      |                                                | SPARE                                                         | 54  | +    |
|                    |        |                                                          |         |          | 1   | 0.0/0.0   |                                                   | 0.070.0    | 1     |         |                                                | SPARE                                                         |     |      |
|                    | 55     | SPACE                                                    |         |          | 1   | 0.0 / 0.0 | 0.0/0.0                                           |            | 1     | 20      |                                                |                                                               | 56  |      |
|                    | 57     | SPACE                                                    |         |          | 1   |           | 0.0 / 0.0                                         | 0.0.40.0   | 1     | 20      |                                                | SPARE                                                         | 58  |      |
|                    | 59     | SPACE                                                    |         |          | 1   | 0.0 / 0.0 |                                                   | 0.0 / 0.0  | 1     | 20      |                                                | SPARE                                                         | 60  |      |
|                    | 61     | SPACE                                                    |         |          | 1   | 0.0 / 0.0 |                                                   |            | 1     | 20      |                                                | SPARE                                                         | 62  |      |
|                    | 63     | SPACE                                                    |         |          | 1   |           | 0.0 / 0.0                                         |            | 1     | 20      |                                                | SPARE                                                         | 64  |      |
|                    | 65     | SPACE                                                    |         |          | 1   |           |                                                   | 0.0 / 0.0  | 1     | 20      |                                                | SPARE                                                         | 66  |      |
|                    | 67     | SPACE                                                    |         |          | 1   | 0.0 / 0.0 |                                                   |            | 1     | 20      |                                                | SPARE                                                         | 68  |      |
|                    | 69     | SPACE                                                    |         |          | 1   |           | 0.0 / 0.0                                         |            | 1     | 20      |                                                | SPARE                                                         | 70  |      |
|                    | 71     | SPACE                                                    |         |          | 1   |           |                                                   | 0.0 / 0.0  | 1     | 20      |                                                | SPARE                                                         | 72  |      |
|                    | 73     | SPACE                                                    |         |          | 1   | 0.0 / 0.0 |                                                   |            | 1     | 20      |                                                | SPARE                                                         | 74  |      |
|                    | 75     | SPACE                                                    |         |          | 1   |           | 0.0 / 0.0                                         |            | 1     | 20      |                                                | SPARE                                                         | 76  |      |
|                    | 77     | SPACE                                                    |         |          | 1   |           |                                                   | 0.0 / 0.0  | 1     | 20      |                                                | SPARE                                                         | 78  |      |
|                    | 79     | SPACE                                                    |         |          | 1   | 0.0 / 0.0 |                                                   |            |       |         |                                                |                                                               | 80  |      |
|                    | 81     | SPACE                                                    |         |          | 1   |           | 0.0 / 0.0                                         |            | 3     | 30      | #10                                            | SPDL                                                          | 82  | 1    |
|                    | 83     | SPACE                                                    |         |          | 1   |           |                                                   | 0.0 / 0.0  | 7     |         |                                                |                                                               | 84  | 1    |
|                    |        |                                                          | Total   | Load:    |     | 16.3 kVA  | 16.3 kVA                                          | 15.7 kVA   |       |         | •                                              |                                                               | ,   | •    |
|                    |        |                                                          | Total A |          | l l | 136 A     | 137 A                                             | 130 A      |       |         |                                                |                                                               |     |      |
| d                  | Class  | sification                                               | Connec  | <u> </u> |     |           | and Factor                                        | Estimate   | - d D | 1000000 | <u>.                                      </u> | Panel Totals                                                  |     |      |
|                    |        |                                                          |         |          | oau |           |                                                   |            |       |         | , <u> </u>                                     | Patier Totals                                                 |     |      |
| /liscel            | laneo  | ous                                                      |         | 9 kVA    |     |           | 00.00%                                            |            | .9 kV |         |                                                |                                                               |     |      |
| Recep              | tacles | S                                                        | 6.3     | 3 kVA    |     | 10        | 00.00%                                            | 6.3        | 3 kV  | Ά       |                                                | Total Conn. Load: 48.2 kVA                                    |     |      |
|                    |        |                                                          |         |          |     |           |                                                   |            |       |         |                                                | Total Est. Demand: 48.2 kVA                                   |     |      |
|                    |        |                                                          |         |          |     |           |                                                   |            |       |         |                                                | Total Conn. Current: 134 A                                    |     |      |
|                    |        |                                                          |         |          |     |           |                                                   |            |       |         |                                                | Total Est. Demand Current: 134 A                              |     |      |
|                    |        |                                                          |         |          |     |           |                                                   |            |       |         |                                                | Total Lst. Delilaliu Current. 154 A                           |     |      |
| <b>otes</b><br>ROV |        | 2 42-POLE PANEL SECTIONS                                 |         |          |     |           | brevations:<br>PROVIDE GF                         | CI CIRCUIT | BRE   | EAKER   |                                                |                                                               |     |      |
|                    |        |                                                          |         |          |     |           | - PROVIDE P<br>- PROVIDE P                        |            |       |         |                                                |                                                               |     |      |

|                                              |          | Branch Panel: 1EHE  Location: ELEC ROOM 1670 Supply From: ELSDP  Mounting: Surface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | )       |        |     | F             | Volts: 277/48<br>Phases: 3<br>Wires: 4<br>Phase in              | -         |       |       | ı    | A.I.C. Rating: 18,000<br>Enclosure: Type 1<br>Mains: 125A |           | <b>EL</b> |      |
|----------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|-----|---------------|-----------------------------------------------------------------|-----------|-------|-------|------|-----------------------------------------------------------|-----------|-----------|------|
| loto                                         | СКТ      | Circuit Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Wiro    | Brea   | kor | Α             | В                                                               | С         | Br    | eaker | Wiro | Circuit Descr                                             | intion    | CKT       | Note |
| 1                                            | 1        | EGRESS LIGHTING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (E)     | 20     | 1   | 2.3 / 1.2     | В                                                               |           | 1     | 20    |      | EGRESS LIGHTING                                           | ірцоп     | 2         | 1    |
| 1                                            |          | EXIT LIGHTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (E)     | 20     | 1   | 2.071.2       | 0.6 / 0.4                                                       |           | 1     | 20    |      | EXIT LIGHTS                                               |           | 4         | 1    |
| <u>.                                    </u> | 5        | EGRESS LIGHTING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (E)     | 20     | 1   |               | 0.07 0.1                                                        | 3.3 / 3.5 | 1     | 20    | (E)  | EGRESS LIGHTING                                           |           | 6         | 1    |
| :                                            | 7        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (-/     |        |     |               |                                                                 |           |       |       | \-/- |                                                           |           | 8         |      |
|                                              | 9        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     |               |                                                                 |           |       |       |      |                                                           |           | 10        |      |
|                                              | 11       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     |               |                                                                 |           |       |       |      |                                                           |           | 12        |      |
|                                              | 13       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     |               |                                                                 |           |       |       |      |                                                           |           | 14        |      |
|                                              | 15       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     |               |                                                                 |           |       |       |      |                                                           |           | 16        |      |
|                                              | 17<br>19 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     |               |                                                                 |           |       |       |      |                                                           |           | 18<br>20  |      |
|                                              | 21       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     |               |                                                                 |           |       |       |      |                                                           |           | 22        |      |
|                                              | 23       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     |               |                                                                 |           |       |       |      |                                                           |           | 24        |      |
|                                              | 25       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     |               |                                                                 |           |       |       |      |                                                           |           | 26        |      |
|                                              | 27       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     |               |                                                                 |           |       |       |      |                                                           |           | 28        |      |
|                                              | 29       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     |               |                                                                 |           |       |       |      |                                                           |           | 30        |      |
|                                              | 31       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     | 0.0 / 7.0     |                                                                 |           |       |       |      |                                                           |           | 32        |      |
|                                              | 33       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     |               | 0.0 / 4.0                                                       | 0.0.4.0.4 | 3     | 50    | 1L   | 1ETE                                                      |           | 34        | _    |
|                                              | 35       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        | -   | 0.0./0.0      |                                                                 | 0.0 / 3.1 |       |       |      |                                                           |           | 36        |      |
|                                              | 37<br>39 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     | 0.0 / 0.0     | 0.0 / 0.0                                                       |           | 3     | 30    | #10  | SPDL                                                      |           | 38<br>40  | -    |
|                                              | 41       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     |               | 0.07 0.0                                                        | 0.0 / 0.0 | 3     | 30    | #10  | SFDE                                                      |           | 42        | -    |
|                                              | <u> </u> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Total   | l oad. |     | 10.5 kVA      | 5.0 kVA                                                         | 9.9 kVA   |       |       |      |                                                           |           | 72        |      |
|                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Total A |        |     | 41 A          | 18 A                                                            | 38 A      |       |       |      |                                                           |           |           |      |
| her                                          | Class    | ification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Connec  |        |     |               | nand Factor                                                     | Estimate  | od D  | omano | 1    | Pano                                                      | l Totals  |           |      |
| ghti                                         |          | incation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         | 3 kVA  | oau |               | 125.00%                                                         |           | 1 kV  |       | 4    | rane                                                      | Totals    |           |      |
|                                              | llaneo   | THE STATE OF THE S |         | 6 kVA  |     |               | 100.00%                                                         |           | .6 kV |       |      | Total Conn. Load                                          | 25.4 k\/A |           |      |
|                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     |               |                                                                 |           |       |       |      |                                                           |           |           |      |
| ece                                          | otacles  | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.4     | kVA    |     |               | 100.00%                                                         | 1.4       | 4 kV  | 4     |      | Total Est. Demand                                         |           |           |      |
|                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     |               |                                                                 |           |       |       |      | Total Conn. Current                                       |           |           |      |
|                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     |               |                                                                 |           |       |       |      | Total Est. Demand Current                                 | : 34 A    |           |      |
|                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |        |     |               |                                                                 |           |       |       |      |                                                           |           |           |      |
| ote:                                         |          | CT PRESERVED LOAD TO NEW PANEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |        |     | G<br>LF<br>L( | bbrevations: - PROVIDE GF - PROVIDE P D - PROVIDE P L - ONELINE | ERMANENT  | LOC   | K-OFF |      |                                                           |           |           |      |

|       |            | Branch Panel: 1FHE                                             |         |          |      |           |                                                   |           |       |            |       | NEW PAI                                                   | NEL    |                |
|-------|------------|----------------------------------------------------------------|---------|----------|------|-----------|---------------------------------------------------|-----------|-------|------------|-------|-----------------------------------------------------------|--------|----------------|
|       |            | Location: ELECTRICAL 1767 Supply From: ELSDP Mounting: Surface | ,       |          |      | PI        | Volts: 277/48<br>hases: 3<br>Wires: 4<br>Phase in | ·         |       |            |       | A.I.C. Rating: 18,000<br>Enclosure: Type 1<br>Mains: 125A |        |                |
| .1.4. | OKT        | Oirearit Decembring                                            | \A/i    | <b>D</b> |      |           |                                                   |           | D     |            | \A.E  | Oliveral Described on                                     | OKT    | NI-4           |
|       | CKT        | Circuit Description                                            | Wire    |          |      | <b>A</b>  | В                                                 | С         |       | eaker      | Wire  | Circuit Description                                       | СКТ    |                |
| 1     |            | EGRESS LIGHTING<br>SPARE                                       | (E)     | 20       | 1    | 1.0 / 1.0 | 0.0 / 0.3                                         |           | 1     | 20<br>20   |       | EGRESS LIGHTING                                           | 2      | 1              |
|       |            | SPARE                                                          |         | 20       | 1    |           | 0.070.3                                           | 0.0/0.0   | 1     |            |       | EXIT LIGHTS SPACE                                         | 4      | 1              |
|       | 7          | SPARE                                                          |         | 20       | 1    | 0.0 / 0.0 |                                                   | 0.0 / 0.0 | 1     |            |       | SPACE                                                     | 6<br>8 |                |
|       |            | SPARE                                                          |         | 20       | 1    | 0.070.0   | 0.0 / 0.0                                         |           | 1     |            |       | SPACE                                                     | 10     |                |
|       |            | SPARE                                                          |         | 20       | 1    |           | 0.070.0                                           | 0.0 / 0.0 | 1     |            |       | SPACE                                                     | 10     | +              |
|       |            | SPARE                                                          |         | 20       | 1    | 0.0 / 0.0 |                                                   | 0.0 / 0.0 | 1     |            |       | SPACE                                                     | 14     |                |
|       |            | SPARE                                                          |         |          | 1    | 0.0 / 0.0 | 0.0 / 0.0                                         |           | 1     |            |       | SPACE                                                     | 16     | -              |
|       |            | SPARE                                                          |         | 20       | 1    |           | 0.0 / 0.0                                         | 0.0 / 0.0 | 1     |            |       | SPACE                                                     | 18     |                |
|       |            | SPARE                                                          |         |          | 1    | 0.0 / 0.0 |                                                   | 0.070.0   | 1     |            |       | SPACE                                                     |        | -              |
|       |            |                                                                |         | 20       | 1    | 0.0 / 0.0 | 0.07.00                                           |           | 1     |            |       | SPACE                                                     | 20     | -              |
|       |            | SPARE                                                          |         | 20       |      |           | 0.0 / 0.0                                         | 0.0/0.0   |       |            |       |                                                           | 22     | ┿-             |
|       |            | SPARE                                                          |         | 20       | 1    | 0.0/0.0   |                                                   | 0.0 / 0.0 | 1     |            |       | SPACE                                                     | 24     | <del>  -</del> |
|       |            | SPARE                                                          |         | 20       | 1    | 0.0 / 0.0 | 0.07.00                                           |           | 1     |            |       | SPACE                                                     | 26     |                |
|       |            | SPARE                                                          |         | 20       | 1    |           | 0.0 / 0.0                                         | 0.0/0.0   | 1     |            |       | SPACE                                                     | 28     |                |
|       |            | SPARE                                                          |         | 20       | 1    | 0.0/5.0   |                                                   | 0.0 / 0.0 | 1     |            |       | SPACE                                                     | 30     |                |
|       |            | SPARE                                                          |         | 20       | 1    | 0.0 / 5.3 | 0.07.5.0                                          |           | ,     | <b>F</b> 0 | 41    | 4ETE                                                      | 32     | -              |
|       |            | SPARE                                                          |         | 20       | 1    |           | 0.0 / 5.3                                         | 0.075.2   | 3     | 50         | 1L    | 1FTE                                                      | 34     | -              |
|       |            | SPARE                                                          |         | 20       | 1    | 0.0/0.0   |                                                   | 0.0 / 5.3 | -     |            |       |                                                           | 36     |                |
|       |            | SPARE                                                          |         | 20       | 1    | 0.0 / 0.0 | 0.0.10.0                                          |           |       | 00         | 1140  | ODDI                                                      | 38     | 4              |
|       |            | SPARE                                                          |         | 20       | 1    |           | 0.0 / 0.0                                         | 0.0./0.0  | 3     | 30         | #10   | SPDL                                                      | 40     | 4              |
|       | 41         | SPARE                                                          |         | 20       | 1    |           |                                                   | 0.0 / 0.0 | 1     |            |       |                                                           | 42     |                |
|       |            |                                                                | Total   |          | l l  | 7.3 kVA   | 5.6 kVA                                           | 5.3 kVA   |       |            |       |                                                           |        |                |
|       |            |                                                                | Total A | Amps     | :    | 27 A      | 21 A                                              | 19 A      |       |            |       |                                                           |        |                |
| .oad  | Class      | ification                                                      | Conne   | cted L   | .oad | Dema      | and Factor                                        | Estimate  | ed D  | emand      | t     | Panel Totals                                              |        |                |
| ighti | na         |                                                                | 2.3     | 3 kVA    |      | 1:        | 25.00%                                            | 2.9       | 9 kVA | 4          |       |                                                           |        |                |
|       | ellaneo    | IIS                                                            |         | 0 kVA    |      |           | 00.00%                                            |           | 0 kV  |            |       | Total Conn. Load: 18.3 kVA                                |        |                |
| 11300 | marico     |                                                                | 10.     | 0 10 7 0 |      | •         | 00.0070                                           | 10.       | OKV   | , ,        |       |                                                           |        |                |
|       |            |                                                                |         |          |      |           |                                                   |           |       |            |       | Total Est. Demand: 18.9 kVA                               |        |                |
|       |            |                                                                |         |          |      |           |                                                   |           |       |            |       | Total Conn. Current: 22 A                                 |        |                |
|       |            |                                                                |         |          |      |           |                                                   |           |       |            |       | Total Est. Demand Current: 23 A                           |        |                |
|       |            |                                                                |         |          |      |           |                                                   |           |       |            |       |                                                           |        |                |
| lotos | <b>.</b> . |                                                                |         |          |      | AL        | brevations:                                       |           |       |            |       |                                                           |        |                |
| Notes |            | T DDECED (ED 1 0 4 D TO 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1  |         |          |      |           |                                                   |           |       |            |       |                                                           |        |                |
| - C0  | ONNE       | CT PRESERVED LOAD TO NEW PANEL                                 |         |          |      |           | PROVIDE G                                         |           |       |            |       |                                                           |        |                |
|       |            |                                                                |         |          |      | LF        | - PROVIDE P                                       | ERMANENT  | LOC   | K-OFF      | DEVI  | CE                                                        |        |                |
|       |            |                                                                |         |          |      | LO        | - PROVIDE F                                       | ERMANENT  | LOC   | K-ON       | DEVIC | E                                                         |        |                |
|       |            |                                                                |         |          |      |           | - REFER TO                                        |           |       |            |       |                                                           |        |                |

|                                         | Supply From              | n: ELEC 1829<br>n: ELSDP<br>g: Surface |           | Volts: 277/48<br>Phases: 3<br>Wires: 4<br>Phase in | ·          |      |       | A.I.C. Rating: 18,000 Enclosure: Type 1 Mains: 125A MLO |     |           |
|-----------------------------------------|--------------------------|----------------------------------------|-----------|----------------------------------------------------|------------|------|-------|---------------------------------------------------------|-----|-----------|
| Note                                    | CKT Circuit De           | scription Wire Breaker                 | A         | В                                                  | С          | Br   | eaker | Wire Circuit Description                                | СКТ | Note      |
| 1                                       | 1 EGRESS LIGHTS          | (E) 20 1                               |           |                                                    |            | 1    | 20    | SPARE                                                   | 2   |           |
| 1                                       | 3 EGRESS LIGHTS          | (E) 20 1                               |           | 1.0 / 0.0                                          |            | 1    | 20    | SPARE                                                   | 4   | † <u></u> |
| 1                                       | 5 EXIT LIGHTS            | (E) 20 1                               |           | 1107 010                                           | 0.2 / 0.0  | 1    | 20    | SPARE                                                   | 6   | <b></b>   |
| 1                                       | 7 2018 ADDITION EMERGE   |                                        |           |                                                    | 0.2 / 0.0  | 1    | 20    | SPARE                                                   | 8   | T         |
| 1                                       | 9 EGRESS LIGHTS          | (E) 20 1                               | _         | 0.2 / 0.0                                          |            | 1    | 20    | SPARE                                                   | 10  |           |
|                                         | 11 SPARE                 | 20 1                                   |           |                                                    | 0.0 / 0.0  | 1    | 20    | SPARE                                                   | 12  |           |
|                                         | 13 SPARE                 | 20 1                                   | 0.0 / 0.0 |                                                    |            | 1    | 20    | SPARE                                                   | 14  | <b>†</b>  |
|                                         | 15 SPARE                 | 20 1                                   |           | 0.0 / 0.0                                          |            | 1    | 20    | SPARE                                                   | 16  | T         |
|                                         | 17 SPARE                 | 20 1                                   |           |                                                    | 0.0 / 0.0  | 1    |       | SPACE                                                   | 18  | T         |
|                                         | 19 SPARE                 | 20 1                                   | 0.0 / 0.0 |                                                    |            | 1    |       | SPACE                                                   | 20  |           |
|                                         | 21 SPARE                 | 20 1                                   |           | 0.0 / 0.0                                          |            | 1    |       | SPACE                                                   | 22  |           |
|                                         | 23 SPARE                 | 20 1                                   |           |                                                    | 0.0 / 0.0  | 1    |       | SPACE                                                   | 24  |           |
|                                         | 25 SPARE                 | 20 1                                   | 0.0 / 0.0 |                                                    |            | 1    |       | SPACE                                                   | 26  |           |
|                                         | 27 SPARE                 | 20 1                                   |           | 0.0 / 0.0                                          |            | 1    |       | SPACE                                                   | 28  |           |
|                                         | 29 SPARE                 | 20 1                                   |           |                                                    | 0.0 / 0.0  | 1    |       | SPACE                                                   | 30  |           |
|                                         | 31 SPARE                 | 20 1                                   | 0.0 / 0.0 |                                                    |            |      |       |                                                         | 32  |           |
|                                         | 33 SPARE                 | 20 1                                   |           | 0.0 / 0.0                                          |            | 3    | 50    | 1L 1GTE                                                 | 34  |           |
|                                         | 35 SPARE                 | 20 1                                   |           |                                                    | 0.0 / 0.0  |      |       |                                                         | 36  |           |
|                                         | 37 SPARE                 | 20 1                                   | 0.0 / 0.0 |                                                    |            |      |       |                                                         | 38  |           |
|                                         | 39 SPARE                 | 20 1                                   |           | 0.0 / 0.0                                          |            | 3    | 30    | #10   SPDL                                              | 40  |           |
|                                         | 41 SPARE                 | 20 1                                   |           |                                                    | 0.0 / 0.0  |      |       |                                                         | 42  |           |
|                                         |                          | Total Load:                            | 2.0 kVA   | 1.2 kVA                                            | 0.2 kVA    |      |       |                                                         |     |           |
|                                         |                          | Total Amps:                            | 8 A       | 5 A                                                | 1 A        | _    |       |                                                         |     |           |
| Load                                    | Classification           | Connected Load                         | l Dem     | and Factor                                         | Estimate   | ed D | emano | Panel Totals                                            |     |           |
| Lightir                                 | ng                       | 3.4 kVA                                | 1         | 25.00%                                             | 4.3        | 3 kV | 4     |                                                         |     |           |
|                                         | ellaneous                | 0.0 kVA                                |           | 0.00%                                              |            | ) kV |       | Total Conn. Load: 3.4 kVA                               | ,   |           |
| *************************************** |                          | 0.0 1077                               |           | 0.0070                                             |            |      | •     | Total Est. Demand: 4.3 kVA                              |     |           |
|                                         |                          |                                        |           |                                                    |            |      |       |                                                         |     |           |
|                                         |                          |                                        |           |                                                    |            |      |       | Total Conn. Current: 4 A                                |     |           |
|                                         |                          |                                        |           |                                                    |            |      |       | Total Est. Demand Current: 5 A                          |     |           |
|                                         |                          |                                        |           |                                                    |            |      |       |                                                         |     |           |
| Notes                                   | s:                       | <u> </u>                               | Ak        | brevations:                                        |            |      |       |                                                         |     |           |
| 1 - CC                                  | ONNECT PRESERVED LOAD TO | NEW PANEL                              | G         | - PROVIDE GF                                       | CI CIRCUIT | BRF  | AKER  |                                                         |     |           |
|                                         |                          |                                        |           | - PROVIDE PI                                       |            |      |       |                                                         |     |           |
|                                         |                          |                                        |           |                                                    |            |      |       |                                                         |     |           |
|                                         |                          |                                        |           | ) - PROVIDE P<br>REFER TO (                        |            | LUC  | r-UN  | DEVICE                                                  |     |           |
|                                         |                          |                                        |           |                                                    |            |      |       |                                                         |     |           |



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12/20/2024 DATE

1 ADDENDUM #2
REVISION DESCRIPTION

REVISION HISTORY





2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

ORIGINAL ISSUE ISSUE FOR PROPOSALS

DECEMBER 09, 2024

ELECTRICAL PANEL SCHEDULES

CONTRACTOR SHALL RECORD AND/OR PRESERVE THE EXISTING CIRCUIT DIRECTORY, IF ANY, FOR THE SOLE PURPOSE UPON COMPLETION OF NEW WORK OF PRODUCING A NEW DIRECTORY.

CONTRACTOR SHALL PROVIDE AS PART OF THE CONSTRUCTION DOCUMENTS A NEW, NEATLY TYPED DIRECTORY. CONTRACTOR SHALL TRACE EXISTING CIRCUITS AND SHALL LEGIBLY IDENTIFY AS TO IT'S CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE, LOADS SERVED, LOCATION AND/OR THE PANELBOARD SCHEDULE ON THE DRAWINGS. THE WORD "EXISTING" SHALL NOT BE USED ON PANELBOARD DIRECTORIES. SPARE BREAKERS ARE TO BE LISTED AS "SPARE" AND SWITCHED TO THE OFF POSITION. SPACES WITH NO BREAKERS ARE TO BE LEFT BLANK. REFER TO NEC-2023: 408.4(A) FOR DETAILS.

CONTRACTOR SHALL PERMANENTLY LABEL AS PART OF THE CONSTRUCTION DOCUMENTS ALL SWITCHBOARDS, SWITCHGEAR AND PANELBOARDS TO INDICATE EACH POWER SOURCE. REFER TO NEC-2023: 408.4(A) FOR DETAILS.

|        | В         | Branch Panel: 1ELE  Location: ELEC ROO Supply From: 1ETE  Mounting: Surface |        |      |       |     |         | Ph   | Volts: 120/20<br>ases: 3<br>Vires: 4<br>Phase in | ·          |      |       |      | A.I.C. Rating: 10,000 Enclosure: Type 1 Mains: 100A MCB | <b>L</b> |             |
|--------|-----------|-----------------------------------------------------------------------------|--------|------|-------|-----|---------|------|--------------------------------------------------|------------|------|-------|------|---------------------------------------------------------|----------|-------------|
| Note   | СКТ       | Circuit Description                                                         | ,      | Vire | Brea  | ker | Α       |      | В                                                | С          | Br   | eaker | Wire | Circuit Description                                     | СКТ      | Not         |
|        | 1         | .6-30R TELE E153                                                            |        | #8   | 20    | 2   | 1.6 / 0 | .0   | _                                                | _          | 1    | 20    |      | MAIN FIRE CIRCUIT                                       | 2        | 1           |
|        | 3         |                                                                             |        | #0   |       |     |         |      | 1.6 / 0.0                                        |            | 1    | 20    | (E)  | MAIN COMM RACK                                          | 4        | 1           |
| 1      |           | FIRE ALARM PANEL                                                            |        | (E)  | 20    | 1   |         |      |                                                  | 0.0 / 0.0  | 1    | 20    | (E)  | MAIN COMM RACK                                          | 6        | 1           |
| 1      |           | ELEPHONE EQUIPMENT                                                          |        | (E)  | 20    | 1   | 0.0 / 0 | .0   |                                                  |            | 1    | 20    |      | EM OUTLETS                                              | 8        | 1           |
| 1      |           | A CONTROL REMOTE                                                            |        | (E)  | 20    | 1   |         |      | 0.0 / 0.4                                        |            | 1    | 20    | #10  | Receptacles TELE E153                                   | 10       | L.          |
| 1      |           | A CONTROL CAB                                                               |        | (E)  | 20    | 1   |         | _    |                                                  | 0.0 / 0.0  | 1    | 20    |      | FIRE ALARM REMOITE                                      | 12       | 1           |
| 1      |           | M OUTLETS                                                                   |        | (E)  | 20    | 1   | 0.0 / 0 | .0   | 0.0400                                           |            | 1    | 20    |      | DMS-3 CONDENSATE PUMP                                   | 14       | <u> </u>    |
| 1      |           | M OUTLETS                                                                   |        | (E)  | 20    | 1   |         |      | 0.0 / 0.0                                        | 00/10      | 1    | 20    | (E)  | FIRE ALARM REMOTE                                       | 16       | 1           |
| 1      |           | M OUTLETS                                                                   |        | (E)  | 20    | 1   | 0.4.4   |      |                                                  | 0.0 / 1.6  | 2    | 20    | #8   | L6-30R TELE E153                                        | 18       | -           |
| 4      |           | Receptacles TELE E153                                                       |        | #10  | 20    | 1   | 0.4 / 1 | .6   | 0.0/0.4                                          |            |      |       |      |                                                         | 20       | <u> </u>    |
| 1      |           | M OUTLET                                                                    |        | (E)  | 20    | 1   |         |      | 0.0 / 0.4                                        | 0.0/0.0    | 1    | 20    |      | QUAD RECEPTACLE PUBLIC ADDRESS D162                     | 22       |             |
| 1      |           | ELEPHONE EQUIPMENT                                                          |        | (E)  | 20    | 1   | 0.0/0   | 4    |                                                  | 0.0 / 0.0  | 1    | 20    |      | 1656 PLUG<br>QUAD RECEPTACLE PUBLIC ADDRESS D162        | 24       | 1           |
| 1      |           | SECURITY                                                                    |        | (E)  | 20    | 1   | 0.0 / 0 | .4   | 0.0/0.0                                          |            | 1    | 20    |      | CAMERA POWER SUPPLY                                     | 26       | 1           |
| 1      |           | SECURITY                                                                    |        | (E)  | 20    | 1   |         |      | 0.0 / 0.0                                        | 00/16      | 1    | 20    | (E)  | CAMERA POWER SUPPLY                                     | 28       | 1           |
| 1      |           | SECURITY                                                                    |        | (E)  | 20    | 1   | 1.6 / 1 | 6    |                                                  | 0.0 / 1.6  | 2    | 20    | #10  | L6-30R RECEPTACLE PUBLIC ADDRESS D162                   | 30<br>32 | -           |
| -      | 31<br>33  | .6-30R RECEPTACLE PUBLIC ADDRES                                             | S D162 | #10  | 20    | 2   | 1.0/1   | .0   | 1.6 / 0.1                                        |            | 1    | 20    | #12  | ACP                                                     | 34       | -           |
|        |           | SPARE                                                                       |        |      | 20    | 1   |         |      | 1.0 / 0.1                                        | 0.0 / 0.0  | 1    | 20    | #12  | SPARE                                                   | 36       | $\vdash$    |
|        |           | SPARE                                                                       |        |      | 20    | 1   | 0.0 / 0 | 0    |                                                  | 0.07 0.0   | 1    | 20    |      | OFAIL                                                   | 38       | <del></del> |
|        |           | SPARE                                                                       |        |      | 20    | 1   | 0.070   | .0   | 0.0 / 0.0                                        |            | 3    | 30    | #10  | SPDL                                                    | 40       | 1           |
|        |           | SPARE                                                                       |        |      | 20    | 1   |         |      | 0.07 0.0                                         | 0.0 / 0.0  | 3    | 30    | #10  | SPDL                                                    | 42       | 1           |
|        | 41 0      | O AIL                                                                       | I_     |      | Load  |     | 7.0 kV  | / A  | 4.0 kVA                                          | 3.1 kVA    |      |       |      |                                                         | 42       |             |
|        |           |                                                                             |        |      |       | L   |         |      |                                                  |            |      |       |      |                                                         |          |             |
|        |           |                                                                             |        |      | Amps  |     | 59 A    |      | 34 A                                             | 26 A       |      |       | _    |                                                         |          |             |
|        | Classific |                                                                             | Co     |      | ted L |     |         |      | nd Factor                                        | Estimate   |      |       | 1    | Panel Totals                                            |          |             |
| Miscel | laneous   | 3                                                                           |        | 12.  | 6 kVA |     |         | 10   | 0.00%                                            | 12.        | 6 kV | Ά     |      |                                                         |          |             |
| Recep  | tacles    |                                                                             |        | 1.4  | kVA   |     |         | 10   | 0.00%                                            | 1.4        | 4 kV | 4     |      | Total Conn. Load: 14.0 kVA                              |          |             |
|        |           |                                                                             |        |      |       |     |         |      |                                                  |            |      |       |      | Total Est. Demand: 14.0 kVA                             |          |             |
|        |           |                                                                             |        |      |       |     |         |      |                                                  |            |      |       |      | Total Conn. Current: 39 A                               |          |             |
|        |           |                                                                             |        |      |       |     |         |      |                                                  |            |      |       |      | Total Est. Demand Current: 39 A                         |          |             |
|        |           |                                                                             |        |      |       |     |         |      |                                                  |            |      |       |      | Total Est. Demand Ourient. 33 A                         |          |             |
|        |           |                                                                             |        |      |       |     |         |      |                                                  |            |      |       | +    |                                                         |          |             |
| Notes  | :         |                                                                             |        |      |       |     |         | Abb  | revations:                                       |            |      |       |      |                                                         |          |             |
|        |           | PRESERVED LOAD TO NEW PANEL                                                 |        |      |       |     |         |      | PROVIDE GF                                       | CI CIRCUIT | BRF  | AKFR  |      |                                                         |          |             |
|        |           |                                                                             |        |      |       |     |         |      | PROVIDE PI                                       |            |      |       | DEM  | IICE                                                    |          |             |
|        |           |                                                                             |        |      |       |     |         |      |                                                  |            |      |       |      |                                                         |          |             |
|        |           |                                                                             |        |      |       |     |         | LO - | - PROVIDE P                                      | EKMANENI   | LOC  | K-UN  | υ⊨VI | CE                                                      |          |             |

| Branch Panel: 1GLE  Location: ELECT. G20 Supply From: 1GTE Mounting: Surface                |             |                    |         | Volts: 120/2 Phases: 3 Wires: 4 Phase in                  | ·                    |      |       |     | A.I.C. Rating: 10,000<br>Enclosure: Type 1<br>Mains: 100A M | NEW PAN    | EL       |       |
|---------------------------------------------------------------------------------------------|-------------|--------------------|---------|-----------------------------------------------------------|----------------------|------|-------|-----|-------------------------------------------------------------|------------|----------|-------|
| Note CKT Circuit Description                                                                | Wire        | Breaker            | · A     | В                                                         | С                    | Br   | eaker | Wir | e Circuit Descri                                            | ntion      | CKT      | Note  |
| 1 1 2 RECEPTACLES IDF/MDF                                                                   | #10         | 20 1               | 0.5 / 1 |                                                           |                      |      |       |     | '                                                           | ption      | 2        | 11010 |
| 1 3 CP                                                                                      | #10         | 20 1               |         | 0.5 / 1.6                                                 |                      | 2    | 30    | #1( | IT RACK                                                     |            | 4        | 1     |
| 1 5 CARD ACCESS                                                                             | #10         | 20 1               |         |                                                           | 0.5 / 1.6            | 2    | 30    | #10 | IT RACK                                                     |            | 6        |       |
| 1 7 GREENHOUSE                                                                              | #10         | 20 1               | 0.5 / 1 |                                                           |                      |      |       |     |                                                             |            | 8        |       |
| 2 9 CARD READER                                                                             | (E)         | 20 1               |         | 0.5 / 0.4                                                 | 0.5 / 0.1            | 1    | 20    |     | 2 IT RACK                                                   |            | 10<br>12 |       |
| 2 11 EM OUTLET<br>2,LO 13 FIRE ALARM                                                        | (E)         | 20 1               | 0.5 / 1 | 1                                                         | 0.5 / 0.1            | 1    | 20    |     | 2 ACP<br>2 Receptacles IDF G1016                            |            | 14       |       |
| 15                                                                                          |             |                    |         | 1.0 / 1.0                                                 |                      |      |       |     | -                                                           |            | 16       |       |
| 17 DMSCU-14                                                                                 | #10         | 30 2               |         | 1.07 1.0                                                  | 1.0 / 1.0            | 2    | 30    | #10 | DMSCU-4                                                     |            | 18       | -     |
| 19 DMS-14 CONDENSATE PUMP                                                                   | #12         | 20 1               | 0.2 / 0 | .0                                                        |                      | 1    | 20    | #12 | DMS-4 CONDENSATE PUMP                                       |            | 20       |       |
| 21<br>DMSCU-11                                                                              | #10         | 30 2               |         | 1.0 / 0.0                                                 | 4.0./0.0             | 2    | 30    | #10 | DMSCU-5                                                     |            | 22       |       |
| 23 DMS-11 CONDENSATE PUMP                                                                   | #12         | 20 1               | 0.0 / 1 | 6                                                         | 1.0 / 0.0            |      |       |     |                                                             |            | 24<br>26 | _     |
| 27 IT RACK                                                                                  | #12         | 20 1               | 0.071   | 0.4 / 1.6                                                 |                      | 2    | 30    | #8  | IT RACK                                                     |            | 28       | -     |
| 29 Receptacles TELE-2 H209-2                                                                | #12         | 20 1               |         | 0.47 1.0                                                  | 0.4 / 0.0            | 1    | 20    | #12 | 2 DMS-5 CONDENSATE PUMP                                     |            | 30       | +     |
| 31                                                                                          |             |                    | 1.6 / 1 | .6                                                        |                      |      |       |     |                                                             |            | 32       | 1     |
| L6-30R TELEPHONE H174                                                                       | #10         | 20 2               |         | 1.6 / 1.6                                                 |                      | 2    | 20    |     | L6-30R TELEPHONE H174                                       |            | 34       |       |
| 35 Receptacles TELEPHONE H174                                                               | #12         | 20 1               |         |                                                           | 0.4 / 0.4            | 1    | 20    | #12 | Receptacles TELEPHONE H17                                   | <b>7</b> 4 | 36       |       |
| 37 SPARE                                                                                    |             | 20 1               | 0.0 / 0 |                                                           |                      |      |       |     |                                                             |            | 38       | _     |
| 39 SPARE                                                                                    |             | 20 1               |         | 0.0 / 0.2                                                 | 0.0/0.0              | 3    | 30    | #10 | SPDL                                                        |            | 40       | _     |
| 41 SPARE                                                                                    | Total       | 20 1 <b>Load</b> : | 10.7 k\ | /A 11.1 kVA                                               | 0.0 / 0.2<br>6.9 kVA |      |       |     |                                                             |            | 42       |       |
|                                                                                             | Total       |                    | 94 A    |                                                           | 58 A                 |      |       |     |                                                             |            |          |       |
| Load Classification                                                                         |             | cted Load          |         | Demand Factor                                             | Estimate             | D    |       |     | Panel                                                       | Tatala     |          |       |
| HVAC                                                                                        |             |                    | ) L     |                                                           |                      |      |       | 1   | Paner                                                       | lotais     |          |       |
|                                                                                             |             | ) kVA              |         | 100.00%                                                   |                      | ) kV |       |     | Total Occup I and                                           | 00.01374   |          |       |
| Miscellaneous                                                                               |             | 7 kVA              |         | 100.00%                                                   |                      | 7 kV |       |     | Total Conn. Load:                                           |            |          |       |
| Other                                                                                       |             | 2 kVA              |         | 100.00%                                                   |                      | 2 kV |       |     | Total Est. Demand:                                          |            |          |       |
| Receptacles                                                                                 | 2.9         | ) kVA              |         | 100.00%                                                   | 2.9                  | 9 kV | A     |     | Total Conn. Current:                                        |            |          |       |
|                                                                                             |             |                    |         |                                                           |                      |      |       |     | Total Est. Demand Current:                                  | 80 A       |          |       |
|                                                                                             |             |                    |         |                                                           |                      |      |       |     |                                                             |            |          |       |
| Nedo as                                                                                     |             |                    |         | Abb                                                       |                      |      |       |     |                                                             |            |          |       |
| Notes: 1 - VERIFY LOAD SERVED, INTERCEPT AND EXTEND 2 - CONNECT PRESERVED LOAD TO NEW PANEL | CIRCUIT FRO | OM PANEI           | L 'ELU' | Abbrevations: G - PROVIDE G LF - PROVIDE F LO - PROVIDE F | PERMANENT            | LOC  | K-OFF |     |                                                             |            |          |       |

|                      | Branch Panel: 2DLE  Location: ELEC-2 2609- Supply From: 2DTE  Mounting: Surface | 2       |          |          |         | Pł       | Volts: 120/20<br>nases: 3<br>Wires: 4<br>Phase in | •          |          |        |         | A.I.C. Rating: 10,000<br>Enclosure: Type 1<br>Mains: 100A M |           | / PANEL  |       |
|----------------------|---------------------------------------------------------------------------------|---------|----------|----------|---------|----------|---------------------------------------------------|------------|----------|--------|---------|-------------------------------------------------------------|-----------|----------|-------|
| Note CKT             | Circuit Description                                                             | Wiro    | Breal    | or.      | A       |          | В                                                 | С          | Br       | reakeı | · \\/ir | re Circuit Descri                                           | otion     | CKI      | Γ Not |
|                      | CORRIDOR EGRESS LIGHTING                                                        | (E)     | 20       | 1        | 0.0 / 0 |          | В                                                 |            | 1        | 20     |         | ) MALL EGRESS LIGHTING                                      | ption     | 2        | 1     |
|                      | TTB                                                                             | (E)     | 20       | 1        | 0.07    | 7.0      | 0.0 / 0.0                                         |            | 1        | 20     |         | ) TTB                                                       |           | 4        | + 1   |
|                      | AMPLIFIER                                                                       | (E)     | 20       | 1        |         |          | 111, 0.0                                          | 0.0 / 0.0  | 1        | 20     |         | ) FA REMOTE POWER                                           |           | 6        | 1     |
|                      | FIRE SMOKE DAMPER                                                               | (E)     | 20       | 1        | 0.0 / 0 | 0.0      |                                                   |            | 1        | 20     |         | ) FIRE SMOKE DAMPERS                                        |           | 8        | 1     |
| 1 9                  | 4 RECEPTACLES                                                                   | (E)     | 20       | 1        |         |          | 0.0 / 0.0                                         |            | 1        | 20     | (E)     | DDC CONTROLLER                                              |           | 10       | 1     |
| 1 11                 | 2 RECEPTACLES                                                                   | (E)     | 20       | 1        |         |          |                                                   | 0.0 / 0.0  | 1        | 20     |         | DDC CONTROLLER                                              |           | 12       |       |
| 13                   | DMSCU-10                                                                        | #8      | 30       | 2        | 1.0 / 0 | 0.0      |                                                   |            | 1        | 20     |         | DDC CONTROLLER                                              |           | 14       | _     |
| 15                   | DW000-10                                                                        | #0      | <u> </u> |          |         |          | 1.0 / 0.0                                         |            | 1        | 20     |         | DDC CONTROLLER                                              |           | 16       | 1     |
| 17                   | DMSCU-3                                                                         | #8      | 30       | 2        |         |          |                                                   | 1.0 / 0.0  | 1        | 20     |         | DDC CONTROLLER                                              |           | 18       | 1     |
| 19                   |                                                                                 |         |          |          | 1.0 / 0 | 0.0      | 0.0 / 4.0                                         |            | 1        | 20     | (E)     | DDC CONTROLLER                                              |           | 20       |       |
|                      | DMS-10 CONDENSATION PUMP                                                        | #10     | 20       | 1        |         |          | 0.0 / 1.6                                         | 4.0./4.0   | 2        | 20     | #8      | IT RACK                                                     |           | 22       |       |
| 23<br>25             | IT RACK                                                                         | #8      | 30       | 2        | 4.0.16  | <u> </u> |                                                   | 1.6 / 1.6  |          |        |         |                                                             |           | 24       |       |
|                      |                                                                                 | #40     |          |          | 1.6 / 0 | ).4      | 0.4/0.0                                           |            | 1        | 20     | #10     | ) IT RACK                                                   |           | 26       | _     |
| 27<br>29             | Receptacles TELEPHONE-2 E210-2                                                  | #12     | 20       | 1        |         |          | 0.4 / 0.0                                         |            | -        |        |         |                                                             |           | 28<br>30 | +     |
| 31                   |                                                                                 |         |          |          |         |          |                                                   |            | $\vdash$ |        |         |                                                             |           | 32       |       |
| 33                   |                                                                                 |         |          |          |         |          |                                                   |            |          |        |         |                                                             |           | 34       | +     |
| 35                   |                                                                                 |         |          |          |         |          |                                                   |            | -        |        |         |                                                             |           | 36       | +-    |
| 37                   |                                                                                 |         |          |          | 0.0 / 0 | 0.0      |                                                   |            |          |        |         |                                                             |           | 38       | +     |
| 39                   |                                                                                 |         |          |          | 0.07    |          | 0.0 / 0.0                                         |            | 3        | 30     | #10     | SPDL                                                        |           | 40       |       |
| 41                   |                                                                                 |         |          |          |         |          | 0.07 0.0                                          | 0.0 / 0.0  | 1        |        | " '     | 5. 5.                                                       |           | 42       |       |
|                      |                                                                                 | Total   | Load:    |          | 3.9 k\  | /A       | 2.9 kVA                                           | 4.1 kVA    |          |        | _       |                                                             |           |          |       |
|                      |                                                                                 | Total A |          | ı        | 34 /    |          | 24 A                                              | 36 A       | _        |        |         |                                                             |           |          |       |
| _oad Classi          | ification                                                                       | Connec  | -        | <b>2</b> |         |          | and Factor                                        | Estimate   | 74 D     | lomar  | d       | Panol                                                       | Totals    |          |       |
| -vau Ciassi<br>-tVAC | incation                                                                        |         | kVA      | Jau      | '       |          | 00.00%                                            |            | ) kV     |        | Iu      | i dilei                                                     | lotais    |          |       |
|                      |                                                                                 |         |          |          |         |          |                                                   |            |          |        |         | Total Committee                                             | 44.013.74 |          |       |
| Miscellaneoเ         |                                                                                 |         | kVA      |          |         |          | 00.00%                                            |            | 2 kV     |        |         | Total Conn. Load:                                           |           |          |       |
| Receptacles          |                                                                                 | 0.7     | kVA      |          |         | 10       | 00.00%                                            | 0.7        | 7 kV     | Α      |         | Total Est. Demand:                                          |           |          |       |
|                      |                                                                                 |         |          |          |         |          |                                                   |            |          |        |         | Total Conn. Current:                                        | 30 A      |          |       |
|                      |                                                                                 |         |          |          |         |          |                                                   |            |          |        |         | Total Est. Demand Current:                                  | 30 A      |          |       |
|                      |                                                                                 |         |          |          |         |          |                                                   |            |          |        |         |                                                             |           |          |       |
| Notes:               |                                                                                 |         |          |          |         | Abl      | brevations:                                       |            |          |        |         |                                                             |           |          |       |
|                      | 42-POLE PANEL SECTIONS<br>CT PRESERVED LOAD TO NEW PANEL                        |         |          |          |         | LF       | PROVIDE GF<br>- PROVIDE PI<br>- PROVIDE P         | ERMANENT I | LOC      | K-OF   | F DE\   |                                                             |           |          |       |

|       |          | Branch Panel: ELS  Location: MECHANICA Supply From: ETS  Mounting: Surface | L ROOM-2 205  | 8-2   |            |           | Volts: 120/20 Phases: 3 Wires: 4 Phase in | -          |      |       |      | A.I.C. Rating: 18,000<br>Enclosure: Type 1<br>Mains: 150A M | NEW PANEL |       |
|-------|----------|----------------------------------------------------------------------------|---------------|-------|------------|-----------|-------------------------------------------|------------|------|-------|------|-------------------------------------------------------------|-----------|-------|
| Note  | СКТ      | Circuit Description                                                        | Wire          | Brea  | ıker       | A         | В                                         | С          | Br   | eaker | Wire | Circuit Descrip                                             | otion CK1 | ΓNote |
|       | 1        | - DMSCU-9                                                                  | #8            | 30    | 2          | 1.0 / 0.0 |                                           |            | 2    | 30    |      | DMSCU-1                                                     | 2         |       |
| 1     | 3        | DOOR ALARM                                                                 | (E)           | 20    | 1          |           | 1.0 / 0.0                                 | 0.1 / 0.0  | 1    | 20    | #10  | DMS-8 CONDENSATION PUM                                      | P 6       |       |
| 1     | 7        | DOOR ALARM                                                                 | (E)           | 20    | 1          | 0.1 / 0.0 | 0                                         | 0.170.0    | 1    | 20    |      | TELEPHONE EQUIP                                             | 8         | 3     |
| 1     | 9        | IT PLUGS                                                                   | (E)           | 20    | 1          | 0.17 0.   | 0.4 / 0.0                                 |            | 1    | 20    |      | TELEPHONE EQUIP                                             | 10        |       |
| -     | 11       |                                                                            | \ \ \ \ \ \ \ |       | † <u>`</u> |           | 3.17 3.3                                  | 0.0 / 0.0  | 1    | 20    |      | FIRE ALARM REMOTE POWE                                      |           |       |
|       | 13       | DMSCU-8                                                                    | #8            | 30    | 2          | 0.0 / 0.0 | 0                                         |            | 1    | 20    |      | FIRE ALARM REMOTE POWE                                      |           |       |
| 1     | 15       | FUTURE CARD ACCESS                                                         | (E)           | 20    | 1          |           | 0.5 / 0.0                                 |            | _    | 20    |      |                                                             | 16        |       |
|       | 17       | IT RACKS                                                                   | #10           | 20    | 1          |           |                                           | 0.4 / 0.0  | 2    | 30    | #8   | DMSCU-2                                                     | 18        |       |
|       |          | IT RACKS                                                                   | #10           | 20    | 1          | 0.4 / 1.0 | 6                                         |            | 2    | 30    | #8   | IT RACK                                                     | 20        |       |
| 2     |          | IT PLUGS                                                                   | #10           | 20    | 1          |           | 0.0 / 1.6                                 |            |      | 30    | #0   | II RACK                                                     | 22        |       |
| 2     |          | IT PLUGS                                                                   | #10           | 20    | 1          |           |                                           | 0.0 / 1.6  | 2    | 30    | #8   | IT RACK                                                     | 24        |       |
| 2,LO  |          | FIRE SMOKE DAMPER                                                          | #8            | 20    | 1          | 0.0 / 1.0 |                                           |            |      |       |      |                                                             | 26        |       |
| 2,LO  |          | FIRE ALARM REMOTE POWER                                                    | #8            | 20    | 1          |           | 0.0 / 0.4                                 |            | 1    | 20    | #12  | Receptacles TELE/IDF-2 2406-                                |           |       |
| 2,LO  |          | FIRE ALARM REMOTE POWER                                                    | #8            | 20    | 1          | 0.0.4.4   |                                           | 0.0 / 1.6  | 2    | 30    | #8   | IT RACK TELE/IDF-2 2406-2                                   | 30        |       |
| 2,LO  | 31       | FIRE ALARM REMOTE POWER                                                    | #8            | 20    | 1          | 0.0 / 1.0 |                                           |            | 4    |       | 1140 |                                                             | 32        |       |
|       | 33<br>35 | IT RACK TELE/IDF-2 2406-2                                                  | #8            | 30    | 2          |           | 1.6 / 0.0                                 | 16/00      | 1    | 20    |      | DMS-9 CONDENSATION PUM                                      |           |       |
|       |          | SPARE                                                                      |               | 20    | 1          | 0.0 / 0.0 | 0                                         | 1.6 / 0.0  | -    | 20    |      | SPARE                                                       | 36<br>38  |       |
|       |          | SPARE                                                                      |               | 20    | 1          | 0.070.    | 0.0 / 0.0                                 |            | 3    | 30    | #10  | SPDL                                                        | 40        |       |
|       |          | SPARE                                                                      |               | 20    | 1          |           | 0.07 0.0                                  | 0.0 / 0.0  | ٦    | 30    | #10  | SFDE                                                        | 40        |       |
|       | 71       | OF AIRE                                                                    | Total         |       | . '        | 16.1 kV   | A 15.8 kVA                                | 10.6 kVA   |      |       |      |                                                             | 72        |       |
|       |          |                                                                            | Total A       |       |            | 141 A     |                                           | 88 A       |      |       |      |                                                             |           |       |
|       | 01       | iff and an                                                                 |               | •     |            |           |                                           |            | l D  |       |      | Dame 1                                                      | Tatala    |       |
|       |          | ification                                                                  | Connec        |       | oau        | יט        | emand Factor                              | Estimate   |      |       | 1    | Panel                                                       | Iotais    |       |
| HVAC  |          |                                                                            |               | kVA   |            |           | 100.00%                                   |            | kV.  |       |      |                                                             |           |       |
| Misce | llaneo   | us                                                                         | 38.4          | 1 kVA |            |           | 100.00%                                   | 38.        | 4 k∖ | /A    |      | Total Conn. Load:                                           | 42.5 kVA  |       |
| Recep | otacles  | 3                                                                          | 2.2           | kVA   |            |           | 100.00%                                   | 2.2        | kV.  | A     |      | Total Est. Demand:                                          | 42.5 kVA  |       |
|       |          |                                                                            |               |       |            |           |                                           |            |      |       |      | Total Conn. Current:                                        | 118 A     |       |
|       |          |                                                                            |               |       |            |           |                                           |            |      |       |      | Total Est. Demand Current:                                  | 118 A     |       |
|       |          |                                                                            |               |       |            |           |                                           |            |      |       |      |                                                             |           |       |
|       |          |                                                                            |               |       |            |           |                                           |            |      |       |      |                                                             |           |       |
| Notes |          |                                                                            |               |       |            |           | Abbrevations:                             |            |      |       |      |                                                             |           |       |
|       |          | DANIEL WITH CHIPFEED LLICE                                                 |               |       |            |           | G - PROVIDE GI                            |            |      | ALED  |      |                                                             |           |       |
|       |          | PANEL WITH SUBFEED LUGS OF PRESERVED LOAD TO NEW PANEL                     |               |       |            |           |                                           |            |      |       |      |                                                             |           |       |
|       |          | LOAD SERVED, INTERCEPT AND EXTEND                                          | OIDOLUT EDO   |       | NIE!       | 14.01.51  | LF - PROVIDE P                            | ERMANENT I |      | K-OFF | DĒVI | CE                                                          |           |       |

|      |          | Branch Panel: ELSLA  Location: CENTRAL PLA Supply From: Mounting: Surface  | NT 1967 |       |     | PI                    | Volts: 120/20<br>hases: 3<br>Wires: 4<br>Phase in | -                    |      |       | ļ        | A.I.C. Rating: 10,000<br>Enclosure: Type 1<br>Mains: 400A | NEW PA  | ANEL     |      |
|------|----------|----------------------------------------------------------------------------|---------|-------|-----|-----------------------|---------------------------------------------------|----------------------|------|-------|----------|-----------------------------------------------------------|---------|----------|------|
| Note | СКТ      | Circuit Description                                                        | Wire    | Brea  | ker | Α                     | В                                                 | С                    | Br   | eaker | Wire     | Circuit Descri                                            | ption   | скт      | Note |
| I,LO |          | FIRE SMOKE DAMPER                                                          | #10     | 20    | 1   | 0.5 / 0.0             |                                                   |                      | 1    |       | SPACE    |                                                           | -       | 2        |      |
| 1,LO |          | FA REMOTE POWER                                                            | #10     |       | 1   |                       | 0.5 / 0.0                                         |                      | 1    |       | SPACE    |                                                           |         | 4        |      |
|      |          | DMS-15 CONDENSATE PUMP                                                     | #10     |       | 1   | 0.4./.0.0             |                                                   | 0.0 / 0.0            | 1    |       | SPACE    |                                                           |         | 6        |      |
|      | 7        | ACP                                                                        | #10     | 20    | 1   | 0.1 / 0.0             | 0.4/0.0                                           |                      | 1    |       | SPACE    |                                                           |         | 8        |      |
|      | 9<br>11  | Receptacles OFFICE H101                                                    | #10     | 20    | 1   |                       | 0.4 / 0.0                                         | 0.0 / 0.0            | 1    |       | SPACE    |                                                           |         | 10<br>12 |      |
|      | 13       |                                                                            |         |       |     | 0.0 / 0.0             |                                                   | 0.070.0              | 1    |       | SPACE    |                                                           |         | 14       |      |
|      | 15       |                                                                            |         |       |     | 0.07 0.0              | 0.0 / 0.0                                         |                      | 1    |       | SPACE    |                                                           |         | 16       | +    |
|      | 17       |                                                                            |         |       |     |                       | 0.070.0                                           | 0.0 / 0.0            | 1    |       | SPACE    |                                                           |         | 18       |      |
|      | 19       |                                                                            |         |       |     | 0.0 / 0.0             |                                                   | 0.07 0.0             | 1    |       | SPACE    |                                                           |         | 20       |      |
|      | 21       |                                                                            |         |       |     |                       | 0.0 / 0.0                                         |                      | 1    |       | SPACE    |                                                           |         | 22       |      |
|      | 23       |                                                                            |         |       |     |                       |                                                   | 0.0 / 0.0            | 1    |       | SPACE    |                                                           |         | 24       |      |
|      | 25       |                                                                            |         |       |     | 0.0 / 0.0             |                                                   |                      | 1    |       | SPACE    |                                                           |         | 26       |      |
|      | 27       |                                                                            |         |       |     |                       | 0.0 / 0.0                                         |                      | 1    |       | SPACE    |                                                           |         | 28       |      |
|      | 29       |                                                                            |         |       |     |                       |                                                   | 0.0 / 0.0            | 1    |       | SPACE    |                                                           |         | 30       |      |
|      | 31       |                                                                            |         |       |     | 0.0 / 0.0             |                                                   |                      | 1    |       | SPACE    |                                                           |         | 32       |      |
|      | 33       |                                                                            |         |       |     |                       | 0.0 / 0.0                                         |                      | 1    |       | SPACE    |                                                           |         | 34       |      |
|      | 35       |                                                                            |         |       |     |                       |                                                   | 0.0 / 0.0            | 1    |       | SPACE    |                                                           |         | 36       |      |
|      | 37       |                                                                            |         |       |     | 0.0 / 0.0             | 0.0/0.0                                           |                      | 1    | 20    | #40 CDDI |                                                           |         | 38       | _    |
|      | 39<br>41 |                                                                            |         |       |     |                       | 0.0 / 0.0                                         | 0.0 / 0.0            | 3    | 30    | #10 SPDL |                                                           |         | 40       | -    |
|      | 41       |                                                                            | Total   | Load: |     | 0.6 kVA               | 0.9 kVA                                           | 0.0 / 0.0<br>0.0 kVA |      |       |          |                                                           |         | 42       |      |
|      |          |                                                                            |         |       |     |                       |                                                   |                      |      |       |          |                                                           |         |          |      |
|      |          |                                                                            | Total / |       |     | 6 A                   | 8 A                                               | 0 A                  |      |       |          |                                                           |         |          |      |
|      |          | ification                                                                  | Connec  |       | oad |                       | and Factor                                        | Estimate             |      |       | d        | Panel                                                     | Totals  |          |      |
|      | llaneo   |                                                                            |         | kVA   |     |                       | 00.00%                                            |                      | 1 kV |       |          |                                                           |         |          |      |
| Rece | ptacles  | 3                                                                          | 0.4     | kVA   |     | 10                    | 00.00%                                            | 0.4                  | 4 kV | 4     |          | Total Conn. Load:                                         |         |          |      |
|      |          |                                                                            |         |       |     |                       |                                                   |                      |      |       |          | Total Est. Demand:                                        | 1.5 kVA |          |      |
|      |          |                                                                            |         |       |     |                       |                                                   |                      |      |       |          | Total Conn. Current:                                      | 4 A     |          |      |
|      |          |                                                                            |         |       |     |                       |                                                   |                      |      |       | Total E  | st. Demand Current:                                       | 4 A     |          |      |
|      |          |                                                                            |         |       |     |                       |                                                   |                      |      |       |          |                                                           |         |          |      |
|      | RIFY     | LOAD SERVED, INTERCEPT AND EXTEND O<br>LOAD SERVED, INTERCEPT AND EXTEND O |         |       |     | 1CLE' G -<br>1HLE' LF | brevations: PROVIDE GF - PROVIDE P - PROVIDE P    | ERMANENT             | LOC  | K-OFF | DEVICE   |                                                           |         |          |      |



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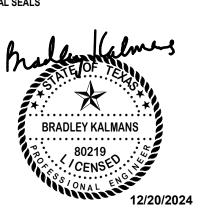
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281.578.9595

LANDSCAPE/IRRIGATION KW Landscape Architects 6925 Portwest Drive Suite 100 Houston, TX 77024 346.509.5638

REVISION HISTORY 1 ADDENDUM #2
REVISION DESCRIPTION 12/20/2024 DATE





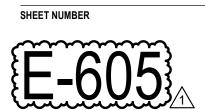
2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

ORIGINAL ISSUE ISSUE FOR PROPOSALS

DECEMBER 09, 2024

ELECTRICAL PANEL SCHEDULES



CONTRACTOR SHALL RECORD AND/OR PRESERVE THE EXISTING CIRCUIT DIRECTORY, IF ANY, FOR THE SOLE PURPOSE UPON COMPLETION OF NEW WORK OF PRODUCING A NEW DIRECTORY.

CONTRACTOR SHALL PROVIDE AS PART OF THE CONSTRUCTION DOCUMENTS A NEW, NEATLY TYPED DIRECTORY. CONTRACTOR SHALL TRACE EXISTING CIRCUITS AND SHALL LEGIBLY IDENTIFY AS TO IT'S CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE, LOADS SERVED, LOCATION AND/OR THE PANELBOARD SCHEDULE ON THE DRAWINGS. THE WORD "EXISTING" SHALL NOT BE USED ON PANELBOARD DIRECTORIES. SPARE BREAKERS ARE TO BE LISTED AS "SPARE" AND SWITCHED TO THE OFF POSITION. SPACES WITH NO BREAKERS ARE TO BE LEFT BLANK. REFER TO NEC-2023: 408.4(A) FOR DETAILS.

CONTRACTOR SHALL PERMANENTLY LABEL AS PART OF THE CONSTRUCTION DOCUMENTS ALL SWITCHBOARDS, SWITCHGEAR AND PANELBOARDS TO INDICATE EACH POWER SOURCE. REFER TO NEC-2023: 408.4(A) FOR DETAILS.



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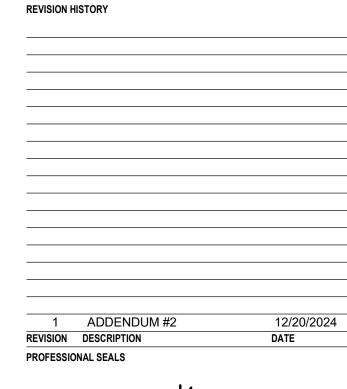
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|       |            | Branch Panel: ELS2                                        |              |     |           |                                                   |             |      |        |      |                                                     | NEW PA        | NEL      |      |
|-------|------------|-----------------------------------------------------------|--------------|-----|-----------|---------------------------------------------------|-------------|------|--------|------|-----------------------------------------------------|---------------|----------|------|
|       |            | Location: MECHANICAL R Supply From: ELS Mounting: Surface | OOM-2 2058-2 |     | Pl        | Volts: 120/20<br>nases: 3<br>Wires: 4<br>Phase in | ·           |      |        |      | A.I.C. Rating: 18,0<br>Enclosure: Typ<br>Mains: 150 | e 1           |          |      |
| Note  | СКТ        | Circuit Description                                       | Wire Break   | ær  | A         | В                                                 | С           | Bre  | eaker  | Wire | Circuit De                                          | scription     | СКТ      | Note |
|       | 1          | L6-30R RECEPTACLE TELEPHONE C130                          | #8 30        | 2 - | 2.5 / 2.5 | 2.5 / 2.5                                         |             | 2    | 30     | #8   |                                                     | •             | 2 4      |      |
|       |            | QUAD RECEPTACLE TELEPHONE C130                            | #10 20       | 1   |           | 2.572.5                                           | 0.4 / 0.1   | 1    | 20     | #10  | ACP                                                 |               | 6        |      |
|       |            | DMS-2 CONDENSATION PUMP                                   | #10 20       | 1   | 0.0 / 0.0 |                                                   | 0.470.1     | 1    | 20     |      | DMS-1 CONDENSATION I                                | PLIMP         | 8        |      |
|       | 9          | ACP                                                       | #10 20       | 1   | 0.07 0.0  | 0.1 / 2.5                                         |             |      |        |      |                                                     |               | 10       |      |
|       | 11         |                                                           |              | -   |           | 0.17 2.0                                          | 2.5 / 2.5   | 2    | 30     | #8   | L6-30R RECEPTACLE TE                                | .E / MDF 1370 | 12       |      |
|       | 13         | L6-30R RECEPTACLE TELE / MDF 1370                         | #8 30        | 2   | 2.5 / 2.5 |                                                   | 2.0 / 2.0   |      |        |      |                                                     |               | 14       |      |
|       | _          | QUAD RECEPTACLE TELE / MDF 1370                           | #10 20       | 1   | 2.0 / 2.0 | 0.4 / 2.5                                         |             | 2    | 30     | #8   | L6-30R TELE / MDF 1370                              |               | 16       |      |
|       |            | SPARE                                                     | 20           | 1   |           | 0.172.0                                           | 0.0 / 0.0   | 1    | 20     |      | SPARE                                               |               | 18       |      |
|       |            | SPARE                                                     | 20           | 1   | 0.0 / 0.0 |                                                   | 0.07 0.0    | 1    | 20     |      | SPARE                                               |               | 20       |      |
|       |            | SPARE                                                     | 20           | 1   | 0.07 0.0  | 0.0 / 0.0                                         |             | 1    | 20     |      | SPARE                                               |               | 22       |      |
|       |            | SPARE                                                     | 20           | 1   |           | 0.07 0.0                                          | 0.0 / 0.0   | 1    | 20     |      | SPARE                                               |               | 24       |      |
|       |            | SPARE                                                     | 20           | 1   | 0.0 / 0.0 |                                                   | 3.0 / 3.0   | 1    | 20     |      | SPARE                                               |               | 26       |      |
|       |            | SPARE                                                     | 20           | 1   | 0.0 / 0.0 | 0.0 / 0.0                                         |             | 1    | 20     |      | SPARE                                               |               | 28       |      |
|       |            | SPARE                                                     | 20           | 1   |           |                                                   | 0.0 / 0.0   | 1    | 20     |      | SPARE                                               |               | 30       |      |
|       |            | SPARE                                                     | 20           | 1   | 0.0 / 0.0 |                                                   |             | 1    | 20     |      | SPARE                                               |               | 32       |      |
|       |            | SPARE                                                     | 20           | 1   |           | 0.0 / 0.0                                         |             | 1    | 20     |      | SPARE                                               |               | 34       |      |
|       |            | SPARE                                                     | 20           | 1   |           |                                                   | 0.0 / 0.0   | 1    | 20     |      | SPARE                                               |               | 36       |      |
|       |            | SPARE                                                     | 20           | 1   | 0.0 / 0.0 |                                                   |             |      |        |      |                                                     |               | 38       |      |
|       |            | SPARE                                                     | 20           | 1   |           | 0.0 / 0.0                                         |             | 3    | 30     | #10  | SPDL                                                |               | 40       |      |
|       | 41         | SPARE                                                     | 20           | 1   |           |                                                   | 0.0 / 0.0   | 1    |        |      |                                                     |               | 42       |      |
|       |            |                                                           | Total Load:  |     | 10.0 kVA  | 10.5 kVA                                          | 5.5 kVA     |      |        |      |                                                     |               | <b>-</b> |      |
|       |            |                                                           | Total Amps:  |     | 89 A      | 93 A                                              | 46 A        | _    |        |      |                                                     |               |          |      |
| _oad  | Class      | ification                                                 | Connected Lo | ad  | Dema      | and Factor                                        | Estimate    | ed D | eman   | d    | Pa                                                  | nel Totals    |          |      |
| Misce | llaneo     | us                                                        | 25.2 kVA     |     | 10        | 00.00%                                            | 25.         | 2 kV | A      |      |                                                     |               |          |      |
| Recep | otacles    | <b>;</b>                                                  | 0.7 kVA      |     | 10        | 00.00%                                            | 0.7         | 7 kV | 4      |      | Total Conn. Lo                                      | ad: 25.9 kVA  |          |      |
|       |            |                                                           |              |     |           |                                                   |             |      |        |      | Total Est. Dema                                     | nd: 25.9 kVA  |          |      |
|       |            |                                                           |              |     |           |                                                   |             |      |        |      | Total Conn. Curr                                    | nt: 72 A      |          |      |
|       |            |                                                           |              |     |           |                                                   |             |      |        |      | Total Est. Demand Curre                             | nt: 72 A      |          |      |
|       |            |                                                           |              |     |           |                                                   |             |      |        |      | <u> </u>                                            |               |          |      |
|       |            |                                                           |              |     |           |                                                   |             |      |        |      |                                                     |               |          |      |
| Notes | <b>s</b> : |                                                           |              |     | Ab        | brevations:                                       | <u> </u>    |      |        |      |                                                     |               |          |      |
|       |            |                                                           |              |     | G -       | PROVIDE G                                         | FCI CIRCUIT | BRE  | AKER   |      |                                                     |               |          |      |
|       |            |                                                           |              |     | IF        | - PROVIDE P                                       | PERMANENT   | LOC  | K-OFF  | DEV  | ICE                                                 |               |          |      |
|       |            |                                                           |              |     |           |                                                   | PERMANENT   |      |        |      |                                                     |               |          |      |
|       |            |                                                           |              |     |           | - I NOVIDE F                                      | LINDAINLINI | LOC  | IX-OIN |      | OL                                                  |               |          |      |

|          |          | Location: ELECT J210 Supply From: 2JTE Mounting: Surface |             |           | PI         | Volts: 120/20<br>hases: 3<br>Wires: 4<br>Phase in | ·          |      |          | A.I.C. Rating: 10,000 Enclosure: Type 1 Mains: 100A MCB |          |          |
|----------|----------|----------------------------------------------------------|-------------|-----------|------------|---------------------------------------------------|------------|------|----------|---------------------------------------------------------|----------|----------|
| Note     | СКТ      | Circuit Description                                      | Wire        | Breaker   | A          | В                                                 | С          | Bre  | eaker    | Wire Circuit Description                                | СКТ      | Note     |
|          | 1        | DMSCU-6                                                  | #8          | 30 2      | 1.0 / 0.0  |                                                   |            | 1    | 20       | (E) EM OUTLET                                           | 2        | 1        |
|          | 3        |                                                          |             |           |            | 1.0 / 0.0                                         |            | 1    | 20       | (E) COMP GYM                                            | 4        | 1        |
| 1,LO     |          | FIRE ALARM                                               | (E)         | 20 1      |            |                                                   | 0.0 / 0.0  | 1    | 20       | (E) FIRE ALARM J1                                       | 6        | 1,LC     |
| 4        |          | IT RACK                                                  | #10         | 20 1      | 0.4 / 0.0  | 0.0/0.0                                           |            | 1    | 20       | (E) FIRE ALARM VOICE                                    | 8        | 1,LC     |
| 1        | 9<br>11  | CARD READER CAMERA BOX                                   | (E)         | 20 1      |            | 0.0 / 0.0                                         | 0.0 / 0.0  | 1    | 20<br>20 | (E) DDC CONTROLLER (E) DDC CONTROLLER                   | 10<br>12 | 1,LC     |
| 1        | 13       |                                                          | (=)         |           | 10/00      |                                                   | 0.07 0.0   | 1    | 20       | (E) EM OUTLET                                           | 14       | 1,20     |
| -        | 15       | DMSCU-12                                                 | #8          | 30 2      | 1.07 0.0   | 1.0 / 0.0                                         |            | 1    | 20       | (E) TELEPHONE                                           | 16       | 1        |
|          |          | DMS-12 CONDENSATION PUMP                                 |             | 20 1      |            | 1.07 0.0                                          | 0.0 / 1.6  | -    |          |                                                         | 18       | <u>'</u> |
| 2        |          | 3 RECS                                                   | #10         | 20 1      | 0.0 / 1.6  |                                                   | 0.07.1.0   | 2    | 30       | #8 IT RACK                                              | 20       |          |
| 2        |          | 4 RECS                                                   | #10         | 20 1      |            | 0.0 / 0.4                                         |            | 1    | 20       | #10 IT RACK                                             | 22       |          |
| 2        | 23       | GYM SOUND SYSTEM                                         | #10         | 20 1      |            |                                                   | 0.0 / 0.1  | 1    | 20       | #12 ACP                                                 | 24       |          |
| 2        | 25       | FUTURE CARD ACCESS                                       | #10         | 20 1      | 0.0 / 0.4  |                                                   |            | 1    | 20       | #10 IT RACK                                             | 26       |          |
|          | 27       | DMSCU-13                                                 | #10         | 30 2      |            | 1.0 / 1.0                                         |            | 2    | 30       | #10 DMSCU-7                                             | 28       |          |
|          | 29       | DW000-13                                                 | #10         | 30 2      |            |                                                   | 1.0 / 1.0  |      |          |                                                         | 30       |          |
|          | 31       | IDF RACK PLUGS                                           | #8          | 30 2      | 1.6 / 0.4  |                                                   |            | 1    | 20       | #8 IDF RACK PLUGS                                       | 32       |          |
|          | 33       |                                                          |             |           |            | 1.6 / 0.4                                         | 0.0100     | 1    |          | #10 IDF CONVENIENCE PLUGS                               | 34       |          |
|          |          | DMS-13 CONDENSATION PUMP                                 | #12         | 20 1      |            |                                                   | 0.0 / 0.0  | 1    |          | #10 DMS-7 CONDENSATION PUMP                             | 36       | -        |
| -        | 37<br>39 | IT RACK                                                  | #8          | 30 2      | 1.6 / 0.4  | 1.6 / 2.5                                         |            | 1    | 20       | #12 QUAD RECEPTACLE TELE J182                           | 38<br>40 |          |
|          |          | DMS-6 CONDENSATION PUMP                                  | #10         | 20 1      |            | 1.0 / 2.5                                         | 0.0 / 2.5  | 2    | 30       | #10 L6-30R RECEPTACLE TELE J182                         | 42       | 1        |
|          |          | QUAD RECEPTACLE TELE J182                                | #12         | 20 1      | 0.4 / 2.5  |                                                   | 0.072.0    |      |          |                                                         | 44       |          |
|          |          | SPARE                                                    |             | 20 1      |            | 0.0 / 2.5                                         |            | 2    | 30       | #10 L6-30R RECEPTACLE TELE J182                         | 46       | 1        |
|          |          | SPARE                                                    |             | 20 1      |            |                                                   | 0.0 / 0.0  | 1    | 20       | SPARE                                                   | 48       |          |
|          |          | SPARE                                                    |             | 20 1      | 0.0 / 0.0  |                                                   |            |      |          |                                                         | 50       |          |
|          |          | SPARE                                                    |             | 20 1      |            | 0.0 / 0.0                                         |            | ] 3  | 30       | #10 SPDL                                                | 52       |          |
|          | 53       | SPARE                                                    |             | 20 1      |            |                                                   | 0.0 / 0.0  |      |          |                                                         | 54       |          |
|          |          |                                                          | Total       | Load:     | 11.0 kVA   | 12.8 kVA                                          | 6.2 kVA    |      |          |                                                         |          |          |
|          |          |                                                          | Total A     | Amps:     | 98 A       | 113 A                                             | 51 A       |      |          |                                                         |          |          |
| Load (   | Classi   | ification                                                | Conne       | cted Load | l Dema     | and Factor                                        | Estimate   | ed D | emano    | Panel Totals                                            |          |          |
| HVAC     |          |                                                          | 6.0         | ) kVA     | 10         | 00.00%                                            | 6.0        | ) kV | 4        |                                                         |          |          |
| Miscel   | aneoı    | JS                                                       | 21.         | 5 kVA     | 10         | 00.00%                                            | 21.        | 5 kV | Ά        | Total Conn. Load: 30.0 kVA                              |          |          |
| Recep    | tacles   |                                                          | 2.5         | 5 kVA     | 10         | 00.00%                                            | 2.5        | 5 kV | 4        | Total Est. Demand: 30.0 kVA                             |          |          |
| <u> </u> |          |                                                          |             |           |            |                                                   |            |      |          | Total Conn. Current: 83 A                               |          |          |
|          |          |                                                          |             |           |            |                                                   |            |      |          | Total Est. Demand Current: 83 A                         |          |          |
|          |          |                                                          |             |           |            |                                                   |            |      |          | Total Zoti Bolland Garlonki 6674                        |          |          |
| Notes    | <u> </u> |                                                          |             |           | Ab         | brevations:                                       |            |      |          |                                                         |          |          |
|          |          | CT PRESERVED LOAD TO NEW PANEL                           |             |           |            | PROVIDE GF                                        | CI CIRCUIT | BRF  | AKFR     |                                                         |          |          |
|          |          | LOAD SERVED, INTERCEPT AND EXTEND (                      | CIRCUIT FRO | OM PANEL  | - 'ELT' LF | - PROVIDE PI                                      | ERMANENT   | LOC  | K-OFF    |                                                         |          |          |
|          |          |                                                          |             |           |            |                                                   |            |      |          |                                                         |          |          |

**Branch Panel: 2JLE** 





**NEW PANEL** 



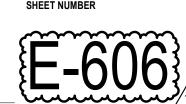
2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

ORIGINAL ISSUE

ISSUE FOR PROPOSALS DECEMBER 09, 2024

ELECTRICAL PANEL SCHEDULES



CONTRACTOR SHALL RECORD AND/OR PRESERVE THE EXISTING CIRCUIT DIRECTORY, IF ANY, FOR THE SOLE PURPOSE UPON COMPLETION OF NEW WORK OF PRODUCING A NEW DIRECTORY.

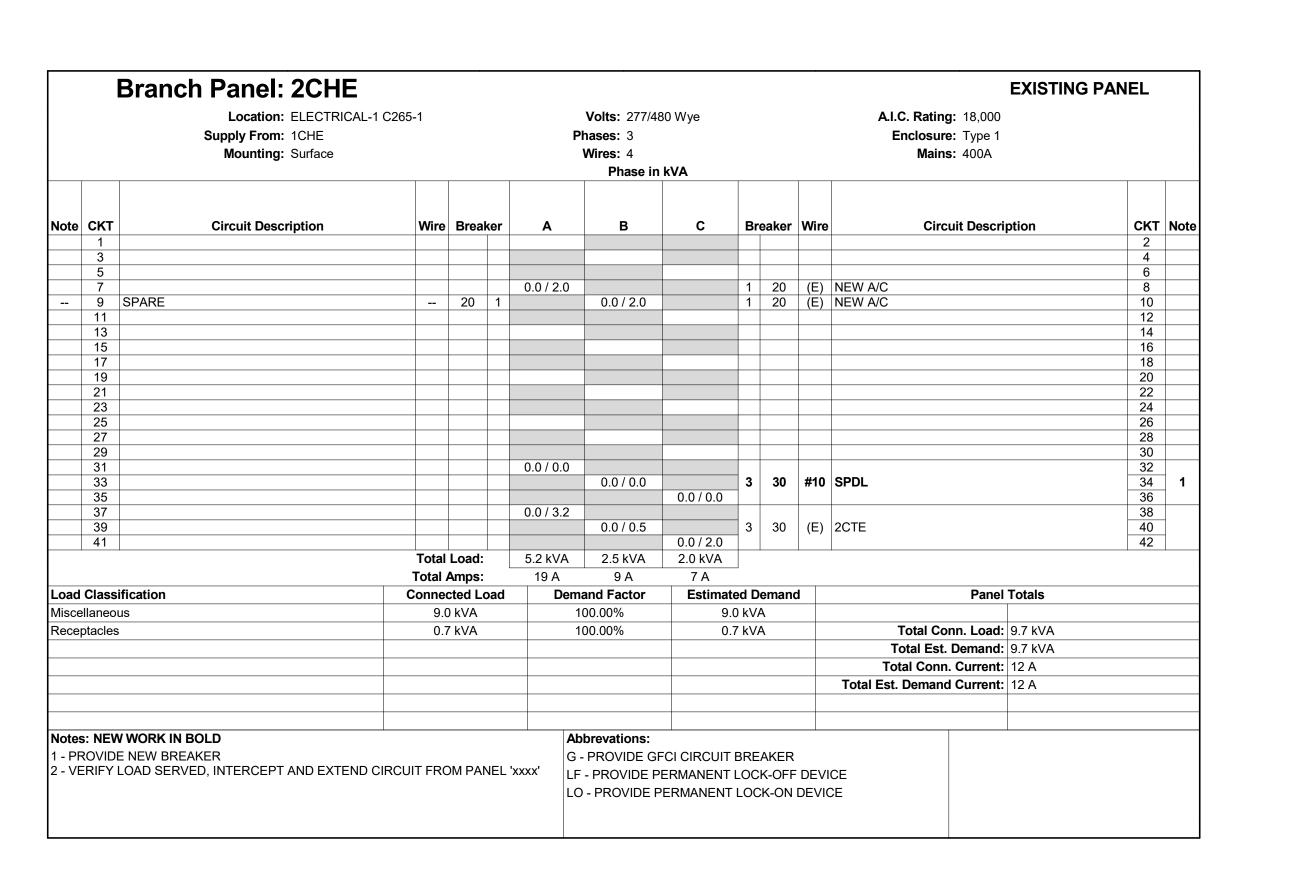
CONTRACTOR SHALL PROVIDE AS PART OF THE CONSTRUCTION DOCUMENTS A NEW, NEATLY TYPED DIRECTORY. CONTRACTOR SHALL TRACE EXISTING CIRCUITS AND SHALL LEGIBLY IDENTIFY AS TO IT'S CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE, LOADS SERVED, LOCATION AND/OR THE PANELBOARD SCHEDULE ON THE DRAWINGS. THE WORD "EXISTING" SHALL NOT BE USED ON PANELBOARD DIRECTORIES. SPARE BREAKERS ARE TO BE LISTED AS "SPARE" AND SWITCHED TO THE OFF POSITION. SPACES WITH NO BREAKERS ARE TO BE LEFT BLANK. REFER TO NEC-2023: 408.4(A) FOR DETAILS.

CONTRACTOR SHALL PERMANENTLY LABEL AS PART OF THE CONSTRUCTION DOCUMENTS ALL SWITCHBOARDS, SWITCHGEAR AND PANELBOARDS TO INDICATE EACH POWER SOURCE. REFER TO NEC-2023: 408.4(A) FOR DETAILS.

|       |          | <b>Branch Panel: 1CHE</b>                               |               |         |        |           |                                                  |           |      |       |       | EXISTING PA                                           | ANEL     |      |
|-------|----------|---------------------------------------------------------|---------------|---------|--------|-----------|--------------------------------------------------|-----------|------|-------|-------|-------------------------------------------------------|----------|------|
|       |          | Location: ELEC 1253 Supply From: 1CDE Mounting: Surface |               |         |        | P         | Volts: 277/4<br>hases: 3<br>Wires: 4<br>Phase in | -         |      |       |       | A.I.C. Rating: 18,000  Enclosure: Type 1  Mains: 400A |          |      |
| Note  | CVT      | Circuit Pagarintian                                     | Wir           | e Brea  | aleo u | ٨         | В                                                | С         | D    | eaker | Mira  | Circuit Decemention                                   | CKT      | Not  |
| Note  | 1        | Circuit Description                                     | VVII          | е вгес  | iker   | Α         | В                                                |           | DI   | eaker | vvire | Circuit Description                                   | 2        | Note |
|       | 3        |                                                         |               |         |        |           |                                                  |           |      |       |       |                                                       | 4        | +    |
|       | 5        |                                                         |               |         |        |           |                                                  |           |      |       |       |                                                       | 6        | 1    |
|       | 7        |                                                         |               |         |        |           |                                                  |           |      |       |       |                                                       | 8        |      |
|       | 9        |                                                         |               |         |        |           |                                                  |           |      |       |       |                                                       | 10       | 1    |
|       | 11       |                                                         |               |         |        |           |                                                  |           |      |       |       |                                                       | 12       |      |
|       | 13<br>15 |                                                         |               |         |        |           |                                                  |           |      |       |       |                                                       | 14<br>16 | +    |
|       | 17       |                                                         |               |         |        |           |                                                  |           |      |       |       |                                                       | 18       | +    |
|       | 19       |                                                         |               |         |        |           |                                                  |           |      |       |       |                                                       | 20       | +    |
|       | 21       |                                                         |               |         |        |           |                                                  |           |      |       |       |                                                       | 22       |      |
|       | 23       |                                                         |               |         |        |           |                                                  |           |      |       |       |                                                       | 24       |      |
|       | 25       |                                                         |               |         |        | 0.0 / 0.0 | 0.0/0.0                                          |           |      |       | ,,,,  |                                                       | 26       | ٠,   |
|       | 27       |                                                         |               |         |        |           | 0.0 / 0.0                                        | 0.0 / 0.0 | 3    | 30    | #10   | SPDL                                                  | 28<br>30 | _ 1  |
|       | 29<br>31 |                                                         |               |         |        | 0.0 / 5.2 |                                                  | 0.070.0   |      |       |       |                                                       | 32       | +-   |
|       | 33       |                                                         |               |         |        | 0.07 0.2  | 0.0 / 2.5                                        |           | 3    | 50    | (E)   | 2CHE                                                  | 34       | -    |
|       | 35       |                                                         |               |         |        |           | 0.01                                             | 0.0 / 2.0 |      |       | (-,   |                                                       | 36       | 1    |
|       | 37       |                                                         |               |         |        | 0.0 / 0.0 |                                                  |           |      |       |       |                                                       | 38       |      |
|       |          | 1CTE                                                    | (E            | ) 25    | 3      |           | 0.0 / 0.0                                        |           | 3    | 50    | (E)   | 2BHE                                                  | 40       |      |
|       | 41       |                                                         |               | <u></u> |        |           |                                                  | 0.0 / 0.0 |      |       |       |                                                       | 42       |      |
|       |          |                                                         |               | al Load |        | 5.2 kVA   | 2.5 kVA                                          | 2.0 kVA   |      |       |       |                                                       |          |      |
|       |          |                                                         |               | I Amps  |        | 19 A      | 9 A                                              | 7 A       |      |       |       |                                                       |          |      |
|       |          | sification                                              |               | ected L | .oad   |           | and Factor                                       | Estimat   |      |       | t     | Panel Totals                                          |          |      |
|       | llaneou  |                                                         |               | 9.0 kVA |        |           | 00.00%                                           |           | 0 kV |       |       |                                                       |          |      |
| Rece  | otacles  | S                                                       | (             | ).7 kVA |        | 1         | 00.00%                                           | 0.        | 7 kV | 4     |       | Total Conn. Load: 9.7 kVA                             |          |      |
|       |          |                                                         |               |         |        |           |                                                  |           |      |       |       | Total Est. Demand: 9.7 kVA                            |          |      |
|       |          |                                                         |               |         |        |           |                                                  |           |      |       |       | Total Conn. Current: 12 A                             |          |      |
|       |          |                                                         |               |         |        |           |                                                  |           |      |       |       | Total Est. Demand Current: 12 A                       |          |      |
|       |          |                                                         |               |         |        |           |                                                  |           |      |       |       |                                                       |          |      |
|       |          |                                                         |               |         |        |           |                                                  |           |      |       |       |                                                       |          |      |
| Notes |          |                                                         |               |         |        |           | brevations:                                      |           |      |       |       |                                                       |          |      |
|       |          | E NEW BREAKER<br>LOAD SERVED, INTERCEPT AND EXTEN       | ID CIRCUIT FF | ROM PA  | NEL    | 'xxxx' LF | PROVIDE G<br>- PROVIDE F                         | PERMANENT | LOC  | K-OFF | DEVI  |                                                       |          |      |
|       |          |                                                         |               |         |        |           | - PROVIDE F<br>- REFER TO                        |           | LOC  | K-ON  | DEVI  | CE                                                    |          |      |

|       |        | <b>Branch Panel: 1CPH</b>                               | E              |          |     |         |                                    |             |      |       |      | EXISTIN                                                   | G PANEL |              |
|-------|--------|---------------------------------------------------------|----------------|----------|-----|---------|------------------------------------|-------------|------|-------|------|-----------------------------------------------------------|---------|--------------|
|       |        | Location: ELECTRICA Supply From: 1CDE Mounting: Surface | L ROOM 1966    |          |     |         | Volts: 277/4 Phases: 3 Wires: 4    | 80 Wye      |      |       |      | A.I.C. Rating: 10,000  Enclosure: Type 1  Mains: 125A MLO |         |              |
|       |        |                                                         |                |          |     |         | Phase in                           | kVA         |      |       |      |                                                           |         |              |
| Note  | СКТ    | •                                                       | Wire           | Brea     | ker | А       | В                                  | С           | Br   | eaker | Wire | •                                                         | СКТ     | Note         |
| 2     | 1      | SPARE                                                   |                | 20       | 1   | 0.0 / 0 |                                    |             | 1    | 20    |      | SPARE                                                     | 2       | 2            |
|       | 3      |                                                         | (-)            |          |     |         | 0.0 / 0.0                          |             | 1    | 20    |      | SPARE                                                     | 4       |              |
|       | 5<br>7 | EF-H-11                                                 | (E)            | 30       | 3   | 0.0.16  |                                    | 0.0 / 0.0   | 1    | 20    |      | SPARE                                                     | 6       |              |
|       | 9      | SPARE                                                   |                | 20       | 1   | 0.0 / 0 | 0.0 / 0.0                          |             | 1    | 20    |      | SPACE SPACE                                               | 8<br>10 |              |
|       | 11     | SPARE                                                   |                | 20<br>20 | 1   |         | 0.070.0                            | 0.0 / 0.0   | 1    |       |      | SPACE                                                     | 12      |              |
|       |        | SPARE                                                   |                | 20       | 1   | 0.0 / 0 | 10                                 | 0.070.0     | 1    |       |      | SPACE                                                     | 14      | <del> </del> |
| 1,3   | 15     | 1871 UNITS                                              | #6             | 35       | 1   | 0.07    | 5.0 / 0.0                          |             | 1    |       |      | SPACE                                                     | 16      | <del> </del> |
|       | 17     | SPACE                                                   |                |          | 1   |         | 0.07 0.0                           | 0.0 / 0.0   | 1    |       |      | SPACE                                                     | 18      |              |
|       |        | SPACE                                                   |                |          | 1   | 0.0 / 0 | 0.0                                | 0.07 0.0    | 1    |       |      | SPACE                                                     | 20      |              |
|       | 21     | SPACE                                                   |                |          | 1   |         | 0.0 / 0.0                          |             | 1    |       |      | SPACE                                                     | 22      |              |
|       | 23     | SPACE                                                   |                |          | 1   |         |                                    | 0.0 / 0.0   | 1    |       |      | SPACE                                                     | 24      |              |
|       | 25     | SPACE                                                   |                | ı        | 1   | 0.0 / 0 |                                    |             |      |       |      |                                                           | 26      |              |
|       | 27     | SPACE                                                   |                |          | 1   |         | 0.0 / 0.0                          |             | 3    | 30    | #10  | SPDL                                                      | 28      | 1            |
|       | 29     | SPACE                                                   |                |          | 1   |         |                                    | 0.0 / 0.0   |      |       |      |                                                           | 30      |              |
|       |        |                                                         | Total          | Load:    |     | 0.0 k\  | /A 5.0 kVA                         | 0.0 kVA     |      |       |      |                                                           |         |              |
|       |        |                                                         | Total A        | 4mps:    |     | 0 A     | 18 A                               | 0 A         |      |       |      |                                                           |         |              |
| Load  | Class  | sification                                              | Connec         | cted L   | oad |         | Demand Factor                      | Estimate    | ed D | eman  | d    | Panel Totals                                              |         |              |
| Misce | llaneo | us                                                      | 5.0            | kVA      |     |         | 100.00%                            | 5.0         | ) kV | Ą     |      |                                                           |         | *            |
|       |        |                                                         |                |          |     |         |                                    |             |      |       |      | Total Conn. Load: 5.0 kVA                                 |         |              |
|       |        |                                                         |                |          |     |         |                                    |             |      |       |      | Total Est. Demand: 5.0 kVA                                |         |              |
|       |        |                                                         |                |          |     |         |                                    |             |      |       |      | Total Conn. Current: 6 A                                  |         |              |
|       |        |                                                         |                |          |     |         |                                    |             |      |       |      | Total Est. Demand Current: 6 A                            |         |              |
|       |        |                                                         |                |          |     |         |                                    |             |      |       |      | Total Est. Belliand Surrent. 0 A                          |         |              |
|       |        |                                                         |                |          |     |         |                                    |             |      |       |      |                                                           |         |              |
|       | WOR    | K IN BOLD                                               |                |          |     |         | <b>Abbrevations:</b> G - PROVIDE G | FCI CIRCUIT | BRE  | AKER  |      |                                                           |         |              |
|       |        | E NEW BREAKER<br>LOAD SERVED, MOVE CIRCUIT TO 'ELSL     | .A', LEAVE BRE | AKER     | AS: | SPARE   | LF - PROVIDE F                     |             |      |       |      |                                                           |         |              |

|          |          | Branch Panel: 11HE  Location: ELEC 1043  Supply From: 1CDE  Mounting: Surface |         |           | ı         | Volts: 277/48 Phases: 3 Wires: 4 Phase in | ·         | T         | I I    | A.I.C. Rating: 18,000<br>Enclosure: Type 1<br>Mains: 400A | EXISTING PA | NEL      |      |
|----------|----------|-------------------------------------------------------------------------------|---------|-----------|-----------|-------------------------------------------|-----------|-----------|--------|-----------------------------------------------------------|-------------|----------|------|
| lote     | СКТ      | Circuit Description                                                           | Wire    | Breaker   | A         | В                                         | С         | Breaker   | Wire   | Circuit Descri                                            | ption       | СКТ      | Note |
|          | 1        |                                                                               |         |           | 0.0 / 0.0 |                                           |           |           |        |                                                           |             | 2        |      |
|          | 3        | 1IKTE                                                                         |         | 20 3      |           | 0.0 / 0.0                                 |           |           |        |                                                           |             | 4        |      |
|          | 5        |                                                                               |         |           |           |                                           | 0.0 / 0.0 |           |        |                                                           |             | 6        |      |
|          | 7        |                                                                               |         |           |           |                                           |           |           |        |                                                           |             | 8        |      |
|          | 9        |                                                                               |         |           |           |                                           |           |           |        |                                                           |             | 10<br>12 |      |
|          | 13       |                                                                               |         |           |           |                                           |           |           |        |                                                           |             | 14       |      |
|          | 15       |                                                                               |         |           |           |                                           |           |           |        |                                                           |             | 16       |      |
| $\dashv$ | 17       |                                                                               |         |           |           |                                           |           |           |        |                                                           |             | 18       |      |
|          | 19       |                                                                               |         |           |           |                                           |           |           |        |                                                           |             | 20       |      |
|          | 21       |                                                                               |         |           |           |                                           |           |           |        |                                                           |             | 22       |      |
|          | 23       |                                                                               |         |           |           |                                           |           |           |        |                                                           |             | 24       |      |
|          | 25       |                                                                               |         |           |           |                                           |           |           |        |                                                           |             | 26       |      |
|          | 27       |                                                                               |         |           |           |                                           |           |           |        |                                                           |             | 28       |      |
|          | 29       |                                                                               |         |           |           |                                           |           |           |        |                                                           |             | 30       |      |
| _        | 31       |                                                                               |         |           |           |                                           |           |           |        |                                                           |             | 32       |      |
|          | 33       |                                                                               |         |           |           |                                           |           | -         |        |                                                           |             | 34<br>36 |      |
|          | 35<br>37 |                                                                               |         |           |           |                                           |           |           |        |                                                           |             | 38       |      |
|          | 39       |                                                                               |         |           |           |                                           |           |           |        |                                                           |             | 40       |      |
|          | 41       |                                                                               |         |           |           |                                           |           |           |        |                                                           |             | 42       |      |
|          | 71       |                                                                               | Total   | Load:     | 0.0 kVA   | 0.0 kVA                                   | 0.0 kVA   |           |        |                                                           |             | 72       |      |
|          |          |                                                                               | Total A |           | 0.0 KV/ C | 0.0 KV/                                   | 0.0 KV/K  |           |        |                                                           |             |          |      |
| - ما     | Classi   | ification                                                                     | _       | cted Load |           | nand Factor                               |           | ed Demand |        | Danel                                                     | Totals      |          |      |
| au       | Ciassi   | incation                                                                      | Connec  | Lieu Loau | Dei       | IIAIIU FACIOI                             | Estimat   | eu Demand | 4      | Failei                                                    | Totals      |          |      |
|          |          |                                                                               |         |           |           |                                           |           |           |        | Total Conn. Load:                                         | 0.0 kVA     |          |      |
|          |          |                                                                               |         |           |           |                                           |           |           |        | Total Est. Demand:                                        | 0.0 kVA     |          |      |
|          |          |                                                                               |         |           |           |                                           |           |           |        | Total Conn. Current:                                      | 0 A         |          |      |
|          |          |                                                                               |         |           |           |                                           |           |           | Т      | otal Est. Demand Current:                                 |             |          |      |
|          |          |                                                                               |         |           |           |                                           |           |           |        | otal Lot. Bolliana Garront.                               |             |          |      |
| tes      | :        |                                                                               |         |           | A         | bbrevations:                              |           |           |        |                                                           |             |          |      |
|          |          |                                                                               |         |           |           | - PROVIDE GF<br>F - PROVIDE P             |           |           | DEVICE |                                                           |             |          |      |
|          |          |                                                                               |         |           | L         | O - PROVIDE P                             | PERMANENT | LOCK-ON   | DEVICE |                                                           |             |          |      |



# Salas O'Brien.

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Project No: 2023-05942-00

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12/20/2024

1 ADDENDUM #2
REVISION DESCRIPTION PROFESSIONAL SEALS

REVISION HISTORY





2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041 PROJECT NUMBER 33AC23221

CHECKED BY ORIGINAL ISSUE ISSUE FOR PROPOSALS

DECEMBER 09, 2024

ELECTRICAL PANEL SCHEDULES

Salas O'Brien 10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064 Registration: F-4111

Project No: 2023-05942-00

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**Branch Panel: 1CLE EXISTING PANEL A.I.C. Rating:** 10,000 Location: ELEC 1253 Volts: 120/208 Wye Supply From: 1CTE Phases: 3 Enclosure: Type 1 Wires: 4 Mounting: Surface Mains: 50A MCB Phase in kVA **Circuit Description Circuit Description** 1 20 (E) ELECTRICAL ROOM RECEPTACLE 0.0 / 0.0 Total Amps: 0 A 0 A Demand Factor Panel Totals 0.0 kVA 0.00% 0.0 kVA Total Conn. Load: 0.0 kVA Total Est. Demand: 0.0 kVA Total Conn. Current: 0 A Total Est. Demand Current: 0 A G - PROVIDE GFCI CIRCUIT BREAKER LF - PROVIDE PERMANENT LOCK-OFF DEVICE LO - PROVIDE PERMANENT LOCK-ON DEVICE

PANELBOARD CIRCUIT DIRECTORY:

PRODUCING A NEW DIRECTORY.

NEC-2023: 408.4(A) FOR DETAILS.

CONTRACTOR SHALL RECORD AND/OR PRESERVE THE

EXISTING CIRCUIT DIRECTORY, IF ANY, FOR THE SOLE PURPOSE UPON COMPLETION OF NEW WORK OF

CONSTRUCTION DOCUMENTS A NEW, NEATLY TYPED DIRECTORY. CONTRACTOR SHALL TRACE EXISTING CIRCUITS AND SHALL LEGIBLY IDENTIFY AS TO IT'S CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE, LOADS SERVED, LOCATION

AND/OR THE PANELBOARD SCHEDULE ON THE DRAWINGS.

DIRECTORIES. SPARE BREAKERS ARE TO BE LISTED AS "SPARE" AND SWITCHED TO THE OFF POSITION. SPACES

WITH NO BREAKERS ARE TO BE LEFT BLANK. REFER TO

CONSTRUCTION DOCUMENTS ALL SWITCHBOARDS,

SWITCHGEAR AND PANELBOARDS TO INDICATE EACH POWER SOURCE. REFER TO NEC-2023: 408.4(A) FOR DETAILS.

THE WORD "EXISTING" SHALL NOT BE USED ON PANELBOARD

CONTRACTOR SHALL PERMANENTLY LABEL AS PART OF THE

Load Classification

Notes: NEW WORK IN BOLD 1 - PROVIDE NEW BREAKER

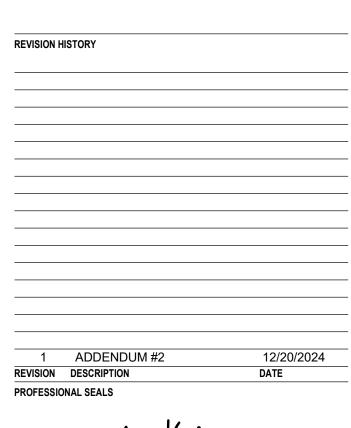
Miscellaneous

CONTRACTOR SHALL PROVIDE AS PART OF THE

|        |         | Branch Panel: 1CPLE  Location: ELECTRICAL F                                  | ROOM 1966 |       |     |           | <b>Volts</b> : 120/20 | 08 Wye      |      |       |      | A.I.C. Rating: 10          |                    | EXISTING I | PANEL    |          |
|--------|---------|------------------------------------------------------------------------------|-----------|-------|-----|-----------|-----------------------|-------------|------|-------|------|----------------------------|--------------------|------------|----------|----------|
|        |         | Supply From: 1CPTE  Mounting: Surface                                        |           |       |     | PI        | hases: 3<br>Wires: 4  | ·           |      |       |      | Enclosure: Ty<br>Mains: 50 | /pe 1              | СВ         |          |          |
|        |         |                                                                              |           |       |     |           | Phase in              | kVA         |      |       |      |                            |                    |            |          |          |
| lote   | СКТ     | Circuit Description                                                          | Wire      | Brea  | ker | Α         | В                     | С           | Br   | eaker | Wir  | re Circuit E               | escri <sub> </sub> | ption      | СКТ      | Note     |
| 2      |         | SPARE                                                                        |           | 20    | 1   | 0.5 / 0.5 |                       |             | 1    | 20    |      | SPARE                      |                    |            | 2        | 2        |
|        |         | CHILLER 2 CONTROLS                                                           | (E)       | 20    | 1   |           | 0.5 / 0.0             |             | 2    | 20    |      | SPARE                      |                    |            | 4        | 3        |
|        |         | EF-H-18                                                                      | (E)       | 20    | 1   |           |                       | 0.5 / 0.0   |      |       |      |                            |                    |            | 6        |          |
|        |         | SPARE                                                                        |           | 20    | 1   | 0.0 / 0.5 |                       |             | 1    | 20    | (E)  |                            | PANE               | EL         | 8        |          |
| 1,4    |         | RECEPTACLES MECH ROOM C109                                                   | #10       | 20    | 1   |           | 0.5 / 0.5             |             | 1    | 20    | (E)  |                            |                    |            | 10       | <u> </u> |
| 1,5    |         | EM OUTLET                                                                    | #10       | 20    | 1   |           |                       | 0.2 / 1.5   | 1    | 20    | #8   |                            |                    | ATER       | 12       | 1        |
| 1,5    |         | A/C CONTROL                                                                  | #10       | 20    | 1   | 0.2 / 0.5 |                       |             | 1    | 20    |      | 0 GENERATOR RECEPTA        |                    |            | 14       | 1        |
| 1,6    |         | ELEVATOR                                                                     | #10       | 20    | 1   |           | 0.0 / 0.5             |             | 1    | 20    |      | 0 GENERATOR BATTER         |                    |            | 16       | 1        |
| 1,6    |         | ELEVATOR CONTROL                                                             | #10       | 20    | 1   | 0.0400    |                       | 0.0 / 0.5   | 1    | 20    | _    | 0 GENERATOR ALTERNA        | ATOR               |            | 18       | 1        |
| 1,6    |         | MASTER TIME                                                                  | #10       | 20    | 1   | 0.0 / 0.0 | 0.0400                |             | 1    |       |      | 0.7.0=                     |                    |            | 20       |          |
| 1      |         | Receptacles MECHANICAL G1019                                                 | #10       | 20    | 1   |           | 0.2 / 0.0             | 0.5./0.0    | 1    |       |      |                            |                    |            | 22       |          |
| 1      |         | BMCS                                                                         | #10       | 20    | 1   | 0.0/0.0   |                       | 0.5 / 0.0   | 1    |       |      | SPACE                      |                    |            | 24       |          |
|        |         | SPACE<br>SPACE                                                               |           |       | 1   | 0.0 / 0.0 | 0.0 / 0.0             |             | 3    | 30    | 44.6 | 0 SPDL                     |                    |            | 26       | 4        |
|        |         | SPACE                                                                        |           |       | 1   |           | 0.070.0               | 0.0 / 0.0   | ၂    | 30    | #10  | SPDL                       |                    |            | 28<br>30 | "        |
|        | 29      | SPACE                                                                        |           | Load: |     | 2.2.14.74 | 2.2 kVA               | 3.2 kVA     | +    |       |      |                            |                    |            | 30       |          |
|        |         |                                                                              |           |       | L   | 2.2 kVA   |                       | 1           |      |       |      |                            |                    |            |          |          |
|        |         |                                                                              | Total A   | •     |     | 18 A      | 19 A                  | 27 A        |      |       | _    |                            |                    |            |          |          |
|        |         | ification                                                                    | Connec    |       | oad |           | and Factor            | Estimat     |      |       | d    |                            | anel               | Totals     |          |          |
| 1iscel | laneou  | us                                                                           | 6.7       | ' kVA |     | 10        | 00.00%                | 6.          | 7 kV | A     |      |                            |                    |            |          |          |
| Recep  | tacles  |                                                                              | 0.9       | ) kVA |     | 10        | 00.00%                | 0.          | 9 kV | A     |      | Total Conn.                | _oad:              | 7.6 kVA    |          |          |
|        |         |                                                                              |           |       |     |           |                       |             |      |       |      | Total Est. Den             | nand:              | 7.6 kVA    |          |          |
|        |         |                                                                              |           |       |     |           |                       |             |      |       |      | Total Conn. Cu             | rrent:             | 21 A       |          |          |
|        |         |                                                                              |           |       |     |           |                       |             |      |       |      | Total Est. Demand Cu       | rent:              | 21 A       |          |          |
|        |         |                                                                              |           |       |     |           |                       |             |      |       |      | Total Lot. Demand Ou       |                    | 217        |          |          |
|        | <b></b> |                                                                              |           |       |     |           |                       |             |      |       |      | I                          |                    |            |          |          |
|        |         | WWORK IN BOLD                                                                |           |       |     |           | brevations:           |             |      |       |      |                            |                    |            |          |          |
|        |         | E NEW BREAKER                                                                |           | ==    |     |           | PROVIDE GI            | FCI CIRCUIT | BRE  | AKER  |      |                            |                    |            |          |          |
|        |         | LOAD SERVED, MOVE CIRCUIT TO 'ELSLA',                                        |           |       |     | PARE  LF  | - PROVIDE P           | ERMANENT    | LOC  | K-OFF | E DE | VICE                       |                    |            |          |          |
|        |         | EXISTING LOAD IS DEMOLISHED, LEAVE BF<br>LOAD SERVED, INTERCEPT AND EXTEND ( |           |       |     | LO        | - PROVIDE F           | PERMANENT   | LOC  | CK-ON | DEV  | /ICE                       |                    |            |          |          |

|       | Brar           | nch Panel: 1ILE                                          |             |      |         |                                                   |               |       |         |       | EXISTING PANEL                                      |     |
|-------|----------------|----------------------------------------------------------|-------------|------|---------|---------------------------------------------------|---------------|-------|---------|-------|-----------------------------------------------------|-----|
|       |                | Location: ELEC 1043 Supply From: 1IKTE Mounting: Surface |             |      | PI      | Volts: 120/20<br>hases: 3<br>Wires: 4<br>Phase in |               |       |         |       | A.I.C. Rating: 18,000 Enclosure: Type 1 Mains: 400A |     |
| Note  | СКТ            | Circuit Description                                      | Wire Brea   | ıker | A       | В                                                 | С             | Brea  | aker    | Wire  | Circuit Description CKT                             | Not |
|       | 1              |                                                          | 11110 2100  |      | ,,      |                                                   |               | 1     | <b></b> |       | 2                                                   |     |
|       | 3              |                                                          |             |      |         |                                                   |               |       |         |       | 4                                                   |     |
|       | 5              |                                                          |             |      |         |                                                   |               |       |         |       | 6                                                   |     |
|       | 7              |                                                          |             |      |         |                                                   |               |       |         |       | 8                                                   |     |
|       | 9 11           |                                                          |             |      |         |                                                   |               |       |         |       | 10<br>12                                            |     |
|       | 13             |                                                          |             |      |         |                                                   |               |       |         |       | 14                                                  |     |
|       | 15             |                                                          |             |      |         |                                                   |               |       |         |       | 16                                                  |     |
|       | 17             |                                                          |             |      |         |                                                   |               |       |         |       | 18                                                  |     |
|       | 19             |                                                          |             |      |         |                                                   |               |       |         |       | 20                                                  |     |
|       | 21             |                                                          |             |      |         |                                                   |               |       |         |       | 22                                                  |     |
|       | 23             |                                                          |             |      |         |                                                   |               |       |         |       | 24                                                  |     |
|       | 25             |                                                          |             |      |         |                                                   |               |       |         |       | 26                                                  | -   |
|       | 27<br>29       |                                                          |             |      |         |                                                   |               |       |         |       | 28<br>30                                            | -   |
|       | 31             |                                                          |             |      |         |                                                   |               |       |         |       | 32                                                  |     |
|       | 33             |                                                          |             |      |         |                                                   |               |       |         |       | 34                                                  |     |
|       | 35             |                                                          |             |      |         |                                                   |               |       |         |       | 36                                                  |     |
|       | 37             |                                                          |             |      |         |                                                   |               |       |         |       | 38                                                  |     |
|       | 39             |                                                          |             |      |         |                                                   |               |       |         |       | 40                                                  |     |
|       | 41             |                                                          |             |      |         |                                                   |               |       |         |       | 42                                                  |     |
|       |                |                                                          | Total Load  |      | 0.0 kVA | 0.0 kVA                                           | 0.0 kVA       |       |         |       |                                                     |     |
|       |                |                                                          | Total Amps  |      | 0 A     | 0 A                                               | 0 A           |       |         | _     |                                                     |     |
| _oad  | Classification | 1                                                        | Connected L | oad  | Dema    | and Factor                                        | Estimate      | ed De | mand    | l     | Panel Totals                                        |     |
|       |                |                                                          |             |      |         |                                                   |               |       |         |       | Total Conn. Load: 0.0 kVA                           |     |
|       |                |                                                          |             |      |         |                                                   |               |       |         |       | Total Est. Demand: 0.0 kVA                          |     |
|       |                |                                                          |             |      |         |                                                   |               |       |         |       | Total Conn. Current: 0 A                            |     |
|       |                |                                                          |             |      |         |                                                   |               |       |         |       | Total Est. Demand Current: 0 A                      |     |
|       |                |                                                          |             |      |         |                                                   |               |       |         |       | Total Est. Demand Surrent. 0 A                      |     |
| 1.4   |                |                                                          |             |      | 1       | L                                                 |               |       |         |       |                                                     |     |
| Notes | :              |                                                          |             |      |         | brevations:                                       | -01 01001 117 | DD= 1 | VES     |       |                                                     |     |
|       |                |                                                          |             |      |         | PROVIDE GI                                        |               |       |         |       | _                                                   |     |
|       |                |                                                          |             |      | LF      | - PROVIDE P                                       | ERMANENT I    | LOCK  | -OFF    | DEVIC | <b>L</b>                                            |     |

|        |          | Branch Panel: 2CLE  Location: ELECTRICAL- Supply From: 2CTE Mounting: Surface | 1 C265-1                              |       |      |           | Volts: 120/20<br>hases: 3<br>Wires: 4<br>Phase in | ·                     |     |                            | T                         | A.I.C. Rating: 18,000 Enclosure: Type 1 Mains: 50A MCB | PANEL    |      |
|--------|----------|-------------------------------------------------------------------------------|---------------------------------------|-------|------|-----------|---------------------------------------------------|-----------------------|-----|----------------------------|---------------------------|--------------------------------------------------------|----------|------|
| Note   | СКТ      | Circuit Description                                                           | Wire E                                | Break | ær   | A         | В                                                 | C                     | Br  | eaker                      | Wire                      | Circuit Description                                    | СКТ      | Note |
| 1,2    |          | SUMP PUMP                                                                     |                                       | 20    | 1    | 1.2 / 0.0 |                                                   |                       | 1   |                            |                           | SPARE SPARE                                            | 2        |      |
|        |          | SPARE                                                                         |                                       | 20    | 1    | 1.27 0.0  | 0.0 / 0.0                                         |                       | 1   |                            |                           | SPARE                                                  | 4        |      |
| 1,2    |          | ELEVATOR EQP LTS/REC                                                          |                                       | 20    | 1    |           |                                                   | 0.3 / 0.7             | 1   |                            | #10                       | Receptacles MECHANICAL ROOM                            | 6        | 1,2  |
|        | 7        | EM OUTLETS ELEC/MECH ROOM                                                     | (E)                                   | 20    | 1    | 0.0 / 1.2 |                                                   |                       | 1   | 20                         | #8                        | CIRCULATING PUMP                                       | 8        | 1,2  |
|        |          | SPARE                                                                         |                                       | 20    | 1    |           | 0.0 / 0.0                                         |                       | 1   | 20                         |                           | SPARE                                                  | 10       |      |
| 1,2    |          | PH ANALYZER                                                                   |                                       | 20    | 1    |           |                                                   | 0.5 / 0.5             | 1   |                            |                           | SHOWER FLOW SW                                         | 12       | 1,2  |
| 1,2    |          | ELEVATOR EQP LTS/REC                                                          |                                       | 20    | 1    | 0.3 / 0.5 |                                                   |                       | 1   | 20                         | #10                       | ELEVATOR CONTROLS                                      | 14       | 1,2  |
| 1,2    |          | ELEVATOR HGHWTR ALRM                                                          | #10                                   | 20    | 1    |           | 0.5 / 0.0                                         |                       |     |                            |                           |                                                        | 16       |      |
|        | 17<br>19 |                                                                               |                                       |       |      |           |                                                   |                       |     |                            |                           |                                                        | 18<br>20 |      |
|        | 21       |                                                                               |                                       |       |      |           |                                                   |                       |     |                            |                           |                                                        | 20       |      |
|        | 23       |                                                                               |                                       |       |      |           |                                                   |                       |     |                            |                           |                                                        | 24       |      |
|        | 25       |                                                                               |                                       |       |      | 0.0 / 0.0 |                                                   |                       |     |                            |                           |                                                        | 26       |      |
|        | 27       |                                                                               |                                       |       |      | 0.07 0.0  | 0.0 / 0.0                                         |                       | 3   | 30                         | #10                       | SPDL                                                   | 28       | 1    |
|        | 29       |                                                                               |                                       |       |      |           |                                                   | 0.0 / 0.0             |     |                            |                           |                                                        | 30       | 1    |
|        |          |                                                                               | Total Lo                              | oad:  |      | 3.2 kVA   | 0.5 kVA                                           | 2.0 kVA               |     |                            | 1                         |                                                        |          | '    |
|        |          |                                                                               | Total Amps:                           |       |      |           | 28 A 4 A                                          |                       | _   |                            |                           |                                                        |          |      |
| Load   | Class    | ification                                                                     | · · · · · · · · · · · · · · · · · · · |       | Dema |           |                                                   | ed Demand Panel Total |     | Panel Totals               |                           |                                                        |          |      |
|        | llaneo   |                                                                               |                                       |       |      | 00.00%    |                                                   |                       | -   | 1 33312                    |                           |                                                        |          |      |
|        | tacles   |                                                                               |                                       |       |      |           | 00.00% 0.7 kVA                                    |                       |     |                            | Total Conn. Load: 5.7 kVA |                                                        |          |      |
| 1000   | rtaoioo  | <u> </u>                                                                      | 0.7 10                                |       |      | 00.0070   | 0.7                                               | 0.7 KV7K              |     | Total Est. Demand: 5.7 kVA |                           |                                                        |          |      |
|        |          |                                                                               |                                       |       |      |           |                                                   |                       |     |                            |                           | Total Conn. Current: 16 A                              |          |      |
|        |          |                                                                               |                                       |       |      |           |                                                   |                       |     |                            |                           |                                                        |          |      |
|        |          |                                                                               |                                       |       |      |           |                                                   |                       |     |                            |                           | Total Est. Demand Current: 16 A                        |          |      |
|        |          |                                                                               |                                       |       |      |           |                                                   |                       |     |                            |                           |                                                        |          |      |
| 1 - PF | OVIDI    | V WORK IN BOLD<br>E NEW BREAKER<br>LOAD SERVED, INTERCEPT AND EXTEND          | CIRCUIT FROM                          | 1 PAN | NEL  | 'EHS' G-  | brevations: - PROVIDE GF - PROVIDE P              | ERMANENT I            | _OC | K-OFF                      | DEVI                      |                                                        |          |      |





CLIENT



2024 CY RIDGE HS RENOVATION 7900 North Eldridge Parkway

Houston, TX 77041

ORIGINAL ISSUE ISSUE FOR PROPOSALS

DECEMBER 09, 2024

ELECTRICAL PANEL SCHEDULES

| TECHNOLOGY LEGEND - 27 10 00                                                                   |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|
| DESCRIPTION                                                                                    | ELEVATION                                                                                                                                                                                                                                                                           | BACK BOX/RACEWAY                                                                                                                                                                                                                                                                                                                                                                                                                               | NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |
| WALL MOUNTED NETWORK OUTLET<br>D#: NUMBER OF DATA DROPS IN OUTLET<br>AP: WIRELESS ACCESS POINT | +18" AFF, UNLESS<br>OTHERWISE NOTED                                                                                                                                                                                                                                                 | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |
| COMMUNICATIONS OUTLET                                                                          | FIELD COORDINATE                                                                                                                                                                                                                                                                    | FIELD COORDINATE                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |
| WALL MOUNTED NETWORK OUTLET                                                                    | +44" AFF                                                                                                                                                                                                                                                                            | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |
| WALL MOUNTED BOX FOR FUTURE USE.                                                               | +18" AFF UNO                                                                                                                                                                                                                                                                        | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |
| FLOOR MOUNTED NETWORK OUTLET                                                                   | N/A                                                                                                                                                                                                                                                                                 | COORDINATE WITH ELECTRICAL CONTRACTOR                                                                                                                                                                                                                                                                                                                                                                                                          | FINISHED HARDWARE PROVIDED BY DIV 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |
| CEILING MOUNTED NETWORK OUTLET AP: WIRELESS ACCESS POINT D#": NETWORK OUTLET                   | ABOVE CEILING                                                                                                                                                                                                                                                                       | CEILING BRACKET WITH<br>BISCUIT BLOCK                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |
|                                                                                                | DESCRIPTION  WALL MOUNTED NETWORK OUTLET D#: NUMBER OF DATA DROPS IN OUTLET AP: WIRELESS ACCESS POINT  COMMUNICATIONS OUTLET  WALL MOUNTED NETWORK OUTLET  WALL MOUNTED BOX FOR FUTURE USE.  FLOOR MOUNTED NETWORK OUTLET  CEILING MOUNTED NETWORK OUTLET AP: WIRELESS ACCESS POINT | DESCRIPTION  WALL MOUNTED NETWORK OUTLET D#: NUMBER OF DATA DROPS IN OUTLET AP: WIRELESS ACCESS POINT  COMMUNICATIONS OUTLET  WALL MOUNTED NETWORK OUTLET  WALL MOUNTED BOX FOR FUTURE USE.  FLOOR MOUNTED NETWORK OUTLET  AP: WIRELESS ACCESS POINT  ELEVATION  +18" AFF, UNLESS OTHERWISE NOTED  +44" AFF  +44" AFF  WALL MOUNTED BOX FOR FUTURE USE.  +18" AFF UNO  CEILING MOUNTED NETWORK OUTLET AP: WIRELESS ACCESS POINT  ABOVE CEILING | DESCRIPTION  ELEVATION  BACK BOX/RACEWAY  WALL MOUNTED NETWORK OUTLET D#: NUMBER OF DATA DROPS IN OUTLET AP: WIRELESS ACCESS POINT  COMMUNICATIONS OUTLET  WALL MOUNTED NETWORK OUTLET  WALL MOUNTED NETWORK OUTLET  WALL MOUNTED BOX FOR FUTURE USE.  FIELD COORDINATE  +44" AFF  4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1"C  WALL MOUNTED BOX FOR FUTURE USE.  +18" AFF UNO  4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1"C  WALL MOUNTED NETWORK OUTLET  N/A  COORDINATE WITH ELECTRICAL CONTRACTOR  CEILING MOUNTED NETWORK OUTLET AP: WIRELESS ACCESS POINT  ABOVE CEILING  CEILING BRACKET WITH BISCUIT BLOCK |  |  |  |  |  |  |

. #-G INDICATES BACK BOX SIZE. 2. #-C INDICATES CONDUIT SIZE.

. UNO: UNLESS NOTED OTHERWISE

4. CONDUIT STUB UP AND SLEEVES SHALL HAVE A SOLID UNCUT PLASTIC PROTECTIVE BUSHING. NO CONDUITS SHALL EXCEED FOR 40% MAXIMUM FILL RATIO. CONTRACTOR TO PROVIDE ADDITIONAL CONDUITS REQUIRED.

|              | AUDIO/VIDEO LEGEND - 27 41 16.10                                                                    |                           |                                                                              |                          |  |  |  |  |  |
|--------------|-----------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------|--------------------------|--|--|--|--|--|
| SYMBOL       | DESCRIPTION                                                                                         | ELEVATION                 | BACK BOX/RACEWAY                                                             | NOTES                    |  |  |  |  |  |
| WMP          | WALL MOUNTED PROJECTOR<br>AUDIO/VISUAL OUTPUT OUTLET                                                | REFERENCE FLOOR<br>PLANS. | 4 11/16"X4 11/16"X2-1/8" BACK<br>BOX WITH DOUBLE GANG RING,<br>TWO(2) 1.25"C | NOTE #5                  |  |  |  |  |  |
| CMP          | CEILING MOUNTED PROJECTOR<br>AUDIO/VISUAL OUTPUT OUTLET                                             | CEILING MOUNTED           | N/A                                                                          | NOTE #5                  |  |  |  |  |  |
| AV-1         | WALL MOUNTED AUDIO/VIDEO INPUT<br>OUTLET                                                            | +18" AFF UNO              | 4 11/16"X4 11/16"X2-1/8" BACK<br>BOX WITH DOUBLE GANG<br>RING, TWO(2) 1.25"C |                          |  |  |  |  |  |
| FSD-1        | WALL MOUNTED FLAT SCREEN DISPLAY<br>AUDIO/VISUAL OUTPUT OUTLET                                      | REFERENCE FLOOR<br>PLAN   | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C                              | NOTE #5                  |  |  |  |  |  |
| FSD-2        | WALL MOUNTED FLAT SCREEN DISPLAY<br>AUDIO/VISUAL OUTPUT OUTLET<br>ASSOCIATED WITH AV-1 INPUT OUTLET | REFERENCE FLOOR<br>PLAN   | 4 11/16"X4 11/16"X2-1/8" BACK<br>BOX WITH DOUBLE GANG<br>RING, TWO(2) 1.25"C | NOTE #5                  |  |  |  |  |  |
| IVD          | INTERACTIVE VIDEO DISPLAY<br>AUDIO/VISUAL OUTPUT OUTLET                                             | REFERENCE FLOOR<br>PLAN   | 4 11/16"X4 11/16"X2-1/8" BACK<br>BOX WITH DOUBLE GANG<br>RING, TWO(2) 1.25"C | NOTE #5                  |  |  |  |  |  |
| CP           | AV CONTROL PANEL                                                                                    | +48" AFF TO TOP           | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C                              |                          |  |  |  |  |  |
| PS           | LOCAL INSTRUCTIONAL SPACE<br>PRESENTATION SPEAKER                                                   | CEILING                   | CONTRACTOR PROVIDED CEILING BOX                                              | COORDINATE POWER WITH EC |  |  |  |  |  |
| $\bigcirc$ 4 | STREAMING CAMERA                                                                                    | CEILING UNO               | N/A                                                                          | NOTE #5                  |  |  |  |  |  |

NOTES:

1. #-G INDICATES BACK BOX SIZE. 2. #-C INDICATES CONDUIT SIZE.

8. UNO: UNLESS NOTED OTHERWISE . THE SYSTEM INTEGRATOR SHALL COORDINATE ALL BOX AND CONDUIT SIZE REQUIREMENTS PRIOR TO ROUGH-IN BY THE

PROJECTS ELECTRICAL CONTRACTOR. 5. PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK

|                | LOCAL SOUND S                                                                               | SYSTEM LEG        | SEND - 27 41 16.                                                         | .20   |
|----------------|---------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------|-------|
| SYMBOL         | DESCRIPTION                                                                                 | ELEVATION         | BACK BOX/RACEWAY                                                         | NOTES |
| © <sub>*</sub> | LOCAL SOUND SYSTEM SPEAKER<br>P: POLE MOUNTED SPEAKER                                       | CEILING MOUNT UNO | CONTRACTOR PROVIDED<br>BACK BOX OR 4"X4"X2 1/8" J<br>BOX WITH COVER, 1"C |       |
| LSC            | LOCAL SOUND SYSTEM CONTROL PLATE                                                            | +48" AFF TO TOP   | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C                          |       |
| MI             | MICROPHONE INPUT                                                                            | +18" AFF UNO      | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C                          |       |
| MA             | COMBINATION OUTLET CONSISTING OF<br>ONE (1) MICROPHONE INPUT AND ONE<br>(1) AUXILIARY INPUT | +18" AFF UNO      | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C                          |       |
| Al             | 3.5MM STEREO AUDIO AUXILIARY INPUT                                                          | +18" AFF UNO      | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C                          |       |
| $\bigoplus$    | HANGING MICROPHONE                                                                          | CEILING MOUNT     | N/A                                                                      |       |
| ABM            | AUXILIARY INPUT AND BLUETOOTH MIXER                                                         | +48" AFF TO TOP   | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C                          |       |
| RACK           | VENUE SPECIFIC LOCAL SOUND<br>SYSTEM HEAD END RACK                                          | WALL MOUNT UNO    | N/A                                                                      |       |
| WA             | WIRELESS ANTENNA                                                                            | WALL MOUNT UNO    | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C                          |       |
| ALA            | ASSISTED LISTENING ANTENNA                                                                  | WALL MOUNT UNO    | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C                          |       |
| SUB            | SUBWOOFER                                                                                   | CEILING MOUNT UNO |                                                                          |       |

NOTES:

1. #-G INDICATES BACK BOX SIZE.

2. #-C INDICATES CONDUIT SIZE.

8. UNO: UNLESS NOTED OTHERWISE THE SYSTEM INTEGRATOR SHALL COORDINATE ALL BOX AND CONDUIT SIZE REQUIREMENTS PRIOR TO ROUGH-IN BY THE

PROJECTS ELECTRICAL CONTRACTOR.

PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK

|              | INTERCO                                                                                          |                          | 21 00 00                                        |                            |
|--------------|--------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------|----------------------------|
| SYMBOL       | DESCRIPTION                                                                                      | ELEVATION                | BACK BOX/RACEWAY                                | NOTES                      |
| ICS          | INTERCOM COMMUNICATIONS SYSTEM HEAD END UNIT.                                                    | FLOOR MOUNTED            | COORDINATE WITH EC                              | COORDINATE<br>POWER WITH I |
| S            | CEILING MOUNT INTERCOM SPEAKER, LAY-IN CEILING                                                   | CEILING                  | CONTRACTOR PROVIDED                             |                            |
| <u>\$2</u>   | CEILING MOUNT INTERCOM SPEAKER, HARD CEILING.                                                    | CEILING                  | CONTRACTOR PROVIDED                             |                            |
| <b>§</b> 3   | WALL MOUNT INTERIOR INTERCOM SPEAKER                                                             | REFERENCE FLOOR<br>PLANS | CONTRACTOR PROVIDED                             |                            |
| <u>\$4</u> ) | WALL MOUNT EXTERIOR INTERCOM SPEAKER                                                             | +10' AFF UNO             | CONTRACTOR PROVIDED                             |                            |
| <b>(\$5)</b> | PENDANT MOUNT INTERCOM SPEAKER                                                                   | REFERENCE FLOOR<br>PLANS | CONTRACTOR PROVIDED                             |                            |
| <u>\$6</u>   | SURFACE MOUNT INTERCOM SPEAKER, MOUNT<br>TO STRUCTURE                                            | CEILING                  | CONTRACTOR PROVIDED                             |                            |
| <b>§</b> 7   | CEILING MOUNTED EXTERIOR INTERCOM SPEAKER.                                                       | CEILING                  | CONTRACTOR PROVIDED                             |                            |
| #IP          | IP BASED SPEAKER. '#' TO BE REPLACED WITH S, S2, S3, S4 INDICATING THE SPECIFIC TYPE OF SPEAKER. | REFERENCE FLOOR<br>PLANS | CONTRACTOR PROVIDED                             | NOTE #5                    |
| VC           | WALL MOUNTED VOLUME CONTROL                                                                      | +48" AFF                 | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C |                            |
| СВ           | INTERCOM CALL BUTTON                                                                             | +48" AFF                 | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C |                            |
| ©            | SINGLE FACE CLOCK                                                                                | REFERENCE FLOOR<br>PLANS | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C |                            |
| ©2           | DOUBLE FACE CLOCK                                                                                | REFERENCE FLOOR<br>PLANS | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C |                            |
| RPS          | REMOTE PROGRAM SOURCE                                                                            | DESK TOP                 | COORDINATE WITH EC                              | NOTE #5                    |
| AČS          | ADMINISTRATIVE CALL STATION.                                                                     | DESK TOP                 | N/A                                             | NOTE #5                    |
| LD           | LOCKDOWN BUTTON                                                                                  | REF. DETAILS             | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C |                            |
| LMB          | LARGE MESSAGE BOARD, POE+<br>POWERED                                                             | REFERENCE FLOOR<br>PLANS | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C | NOTE #5                    |

1. #-G INDICATES BACK BOX SIZE.
2. #-C INDICATES CONDUIT SIZE.

UNO: UNLESS NOTED OTHERWISE THE SYSTEM INTEGRATOR SHALL COORDINATE ALL BOX AND CONDUIT SIZE REQUIREMENTS PRIOR TO ROUGH-IN BY THE PROJECTS ELECTRICAL CONTRACTOR. 5. PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK

| SYMBOL | DESCRIPTION                                                                                                       | ELEVATION                      | BACK BOX/RACEWAY                               | NOTES                                                                  |
|--------|-------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------|------------------------------------------------------------------------|
| ACP    | ACCESS CONTROL SYSTEM, CONTROL PANEL.                                                                             | +60" AFF TO CENTER             | AS REQUIRED                                    | COORDINATE POWER.<br>NOTE #4.                                          |
| CR *#  | ACCESS CONTROL PROXIMITY CARD READER. DEFAULT SYMBOL INDICATES WALL MOUNTED *M - INDICATES MULLION MOUNTED READER | +42" A.F.F.                    | 1-G, 3/4" C                                    |                                                                        |
| (CR)   | DOOR MOUNTED ACCESS CONTROL<br>PROXIMITY CARD READER THAT IS<br>INTEGRATED INTO THE DOOR HARDWARE.                | +42" AFF                       | N/A                                            |                                                                        |
| DS *#  | 2-WAY AUDIO/VIDEO INTERCOM DOOR STATION. *DEFAULT INDICATES WALL MOUNTED *M - INDICATES MULLION MOUNTED DEVICE    | +42" AFF                       | *W: 1-G, 3/4" C<br>*M: 3/4"C                   | COORDINATE POWER.<br>NOTE #4.                                          |
| (DS)   | DOOR MOUNTED, 2-WAY AUDIO/VIDEO INTERCOM DOOR STATION.                                                            | +42" AFF, FIELD<br>COORDINATE  |                                                | COORDINATE POWER.<br>NOTE #4                                           |
| MS     | 2-WAY AUDIO/VIDEO INTERCOM MASTER STATION.                                                                        | DESK MOUNTED<br>UNO            |                                                | COORDINATE POWER.<br>NOTE #4                                           |
| DR     | DOOR RELEASE BUTTON                                                                                               | COORDINATE WITH GC             | 1-G, 3/4" C                                    |                                                                        |
| REX    | PIR MOTION REQUEST TO EXIT DEVICE                                                                                 |                                |                                                |                                                                        |
| DP     | DOOR PROP ALARM                                                                                                   | CEILING MOUNTED UNO            | N/A                                            | N/A                                                                    |
| (DC)   | DPDT MAGNETIC DOOR CONTACT/DOOR POSITION SENSOR.                                                                  | FLUSH MOUNTED<br>IN DOOR FRAME | N/A                                            | PROVIDED BY ACS CONTRACTOR.                                            |
| RFID   | VEHICLE RFID TAG READER.                                                                                          |                                | FIELD COORDINATE<br>RACEWAYS AND<br>BACK BOXES | PROVIDE NECESSARY EQUIPMENT FOR A FULLY FUNCTIONAL VEHICLE ENTRY POINT |

 #-G INDICATES BACK BOX SIZE.
 #-C INDICATES CONDUIT SIZE. UNO: UNLESS NOTED OTHERWISE
 PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK

|        | VIDEO SURVEILLANCE LEGEND - 28 20 00                                 |                          |                                                 |         |  |  |  |  |  |  |
|--------|----------------------------------------------------------------------|--------------------------|-------------------------------------------------|---------|--|--|--|--|--|--|
| SYMBOL | DESCRIPTION                                                          | ELEVATION                | BACK BOX/RACEWAY                                | NOTES   |  |  |  |  |  |  |
| H      | WALL/CORNER MOUNT 4-SENSOR CAMERA                                    | REFERENCE FLOOR<br>PLANS | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C | NOTE #5 |  |  |  |  |  |  |
|        | CEILING MOUNTED 4-SENSOR CAMERA                                      | CEILING                  |                                                 | NOTE #5 |  |  |  |  |  |  |
|        | 2-SENSOR CAMERA                                                      | REFERENCE FLOOR<br>PLANS | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C | NOTE #5 |  |  |  |  |  |  |
|        | 1-SENSOR CAMERA                                                      | REFERENCE FLOOR<br>PLANS | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C |         |  |  |  |  |  |  |
| VRS    | VIDEO RECORDING SERVER                                               |                          |                                                 |         |  |  |  |  |  |  |
| #MU    | VIDEO SURVEILLANCE MAIN UNIT                                         | ABOVE CEILING            |                                                 | NOTE #5 |  |  |  |  |  |  |
| F      | SYMBOL INDICATED THAT A VIDEO<br>SURVEILLANCE DEVICE IS WALL MOUNTED |                          |                                                 |         |  |  |  |  |  |  |
| NOTES: |                                                                      |                          | _                                               | -       |  |  |  |  |  |  |

NOTES:

1. #-G INDICATES BACK BOX SIZE. #-C INDICATES CONDUIT SIZE.

UNO: UNLESS NOTED OTHERWISE THE SYSTEM INTEGRATOR SHALL COORDINATE ALL BOX AND CONDUIT SIZE REQUIREMENTS PRIOR TO ROUGH-IN BY THE PROJECTS ELECTRICAL CONTRACTOR. PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK

| SYMBOL   | DESCRIPTION                                         | ELEVATION                        | BACK BOX/RACEWAY                                   | NOTES                                |
|----------|-----------------------------------------------------|----------------------------------|----------------------------------------------------|--------------------------------------|
| IDP      | INTRUSION DETECTION SYSTEM CONTROL<br>PANEL         | +60" AFF                         | TWO(2) - 1"C TO<br>CONTRACTOR PROVIDED<br>BACK BOX | COORDINATE POWER<br>WITH EC. NOTE #5 |
| KP       | INTRUSION DETECTION SYSTEM KEYPAD.                  | +48" AFF TO TOP                  | 4"X4"X2 1/8" BACK BOX WITH<br>1-G MUD RING, 1"C    |                                      |
| <b>M</b> | CEILING MOUNTED MOTION DETECTOR                     | CEILING                          |                                                    |                                      |
| <u></u>  | WALL MOUNTED MOTION DETECTOR<br>LR: LONG RANGE      | REFERENCE FLOOR<br>PLAN          | N/A                                                |                                      |
| GB-      | CEILING MOUNTED GLASS BREAK<br>DETECTOR             | CEILING                          | N/A                                                |                                      |
| (DC)     | DPDT MAGNETIC DOOR CONTACT/DOOR<br>POSITION SENSOR. | FLUSH MOUNTED IN DOOR FRAME      | N/A                                                | DEVICE PROVIDED BY ACS CONTRACTOR.   |
| SDC      | SURFACE MOUNT MAGNETIC DOOR CONTACT.                | SURFACE MOUNTED<br>ON DOOR FRAME | N/A                                                |                                      |
| ODC      | OVERHEAD DOOR MOUNT MAGNETIC DOOR CONTACT.          | SURFACE MOUNTED<br>ON DOOR FRAME | N/A                                                |                                      |
| DB       | DURESS PANIC BUTTON                                 | UNDER DESK UNO                   | N/A                                                |                                      |

NOTES:

1. #-G INDICATES BACK BOX SIZE.

2. #-C INDICATES CONDUIT SIZE.

B. UNO: UNLESS NOTED OTHERWISE REFERENCE DIVISION 28 SPECIFICATION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
 PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK

|    | FIRE ALARM - 28 46 00                                                                                                         |                              |  |  |  |  |
|----|-------------------------------------------------------------------------------------------------------------------------------|------------------------------|--|--|--|--|
|    | SYMBOL                                                                                                                        | DESCRIPTION                  |  |  |  |  |
|    | FACP                                                                                                                          | FIRE ALARM CONTROL           |  |  |  |  |
|    | FAA                                                                                                                           | FIRE ALARM ANNUNCIATOR PANEL |  |  |  |  |
| NO | NOTES:                                                                                                                        |                              |  |  |  |  |
|    | FIRE ALARM SYSTEM IS PERFORMANCE BASED PER SPECIFICATIONS. CONTRACTOR TO REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION. |                              |  |  |  |  |
| 2. | A LICENSED FIRE ALARM PLANNING SUPERINTENDENT CERTIFIED TO A MINIMUM LEVEL 3, IN THE SUBFIELD OF FIRE ALARM                   |                              |  |  |  |  |

SYSTEMS THROUGH THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET), SHALL PROVIDE PLANS AND CALCULATIONS FOR A MANUAL AND AUTOMATIC FIRE DETECTION AND ALARM SYSTEM TO COMPLY WITH THE BUILDING SPACE LAYOUT, BUILDING OCCUPANCY, CURRENT NFPA 72, LOCAL AND STATE CODE REQUIREMENTS, AND THE FIRE ALARM AND DETECTION SYSTEM SPECIFICATIONS.

| SUBSCRIPTS AND ABBREVIATIONS                                         |                                                                       |  |  |  |  |
|----------------------------------------------------------------------|-----------------------------------------------------------------------|--|--|--|--|
| TEXT DESCRIPTION                                                     |                                                                       |  |  |  |  |
| 'WP' DEVICE SHALL BE WEATHER PROOF AND RATED FOR EXTERIOR CONDITIONS |                                                                       |  |  |  |  |
| •                                                                    | FIELD COORDINATE ELEVATION.                                           |  |  |  |  |
| AFF                                                                  | ABOVE FINISHED FLOOR                                                  |  |  |  |  |
| 'UC'                                                                 | DEVICE IS TO BE MOUNTED ON THE UNDERSIDE OF THE ELEVATED CANOPY.      |  |  |  |  |
| 'WM'                                                                 | DEVICE IS TO BE WALL MOUNTED.                                         |  |  |  |  |
| 'WG'                                                                 | WIRE GUARD TO BE PROVIDED AND INSTALLED TO PROTECT ASSOCIATED DEVICE. |  |  |  |  |

| SUBSCRIPTS LEGEND - EXISTING DEVICES |                                                                                               |  |  |  |  |
|--------------------------------------|-----------------------------------------------------------------------------------------------|--|--|--|--|
| TEXT                                 | DESCRIPTION                                                                                   |  |  |  |  |
| 'E'                                  | EXISTING TO REMAIN.                                                                           |  |  |  |  |
| 'D'                                  | DEVICE IS EXISTING AND IS TO BE REMOVED. CONTRACTOR TO REMOVE THE DEVICE AND RETURN TO OWNER. |  |  |  |  |
| 'R'                                  | REMOVE EXISTING DEVICE AND RELOCATE TO A LOCATION INDICATED ON THE DRAWINGS.                  |  |  |  |  |

### NOTES TO CONTRACTOR

1. EVERY SYMBOL SHOWN ON LEGEND MAY NOT APPEAR ON DRAWINGS.

- SYSTEM INSTALLERS SHALL COORDINATE LOCATIONS AND CONNECTIONS WITH THE PROJECT'S ELECTRICAL CONTRACTOR.
- CONTRACTOR TO PROVIDE PROPERLY GROUNDED LIGHTING PROTECTION ON ALL CABLING

| تممر | <del></del>                                                                   | ` |
|------|-------------------------------------------------------------------------------|---|
|      | ENTERING AND EXITING THE BUILDING.                                            |   |
|      | 3. CONTRACTOR TO PROVIDE PROPERLY GROUNDED LIGHTING PROTECTION ON ALL CABLING |   |

| SCOPE ITEM                                                                                                                                      | RESPONSIBILITY |          |      | NOTES       |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|------|-------------|
| COMMUNICATIONS - DIVISION 27                                                                                                                    | OFOI           | CFCI     | OFCI |             |
| CATEGORY 6/6A STRUCTURED CABLING SYSTEM (SCS)                                                                                                   | <b>√</b>       |          |      |             |
| /IDEO DISTRIBUTION SYSTEM - SPECIAL SPACE                                                                                                       |                | <b>√</b> |      | SEE NOTE 4. |
| AUDIO DISTRIBUTION SYSTEM - SPECIAL SPACE                                                                                                       |                | <b>√</b> |      | SEE NOTE 4. |
| AUDIO DISTRIBUTION SYSTEM - INSTRUCTIONAL SPACE                                                                                                 | <b>V</b>       |          |      |             |
| FLAT PANEL DISPLAYS                                                                                                                             | 1              |          |      |             |
| FLAT PANEL DISPLAY MOUNTS                                                                                                                       | 1              |          |      |             |
| NTERACTIVE DISPLAYS                                                                                                                             | 1              |          |      |             |
| NTERACTIVE DISPLAY MOUNTS                                                                                                                       | 1              |          |      |             |
| BUILDING INTERCOM/PA, BELL, AND CLOCK SYSTEM                                                                                                    |                | <b>√</b> |      |             |
| →NETWORK SWITCHES                                                                                                                               | <b>√</b>       |          |      |             |
| NETWORK EQUIPMENT                                                                                                                               |                |          |      |             |
| → MDF/IDF NETWORK EQUIPMENT                                                                                                                     | <b>√</b>       |          |      |             |
| → VOIP TELEPHONES                                                                                                                               | <b>√</b>       |          |      |             |
| → WIRELESS ACCESS POINTS                                                                                                                        | <b>√</b>       |          |      |             |
| → UNINTERRUPTIBLE POWER SUPPLIES (UPS)                                                                                                          | <b>√</b>       |          |      |             |
| RACEWAY: CONDUIT, BACK BOXES, ETC.                                                                                                              |                | <b>√</b> |      | SEE NOTE 1. |
| OW VOLTAGE: RACEWAY, SLEEVES                                                                                                                    |                | <b>√</b> |      | SEE NOTE 1. |
| STRUCTURED CABLING: RACEWAY, SLEEVES                                                                                                            | <b>V</b>       |          |      | SEE NOTE 5. |
| ELECTRICAL POWER                                                                                                                                |                | <b>√</b> |      | SEE NOTE 1. |
| IFE SAFETY AND SECURITY - DIVISION 28                                                                                                           | OFOI           | CFCI     | OFCI |             |
| ACCESS CONTROL SYSTEM(ACS)                                                                                                                      |                | <b>√</b> |      |             |
| NTRUSION DETECTION SYSTEM                                                                                                                       |                | <b>√</b> |      |             |
| DOOR ACCESS VIDEO INTERCOM SYSTEM                                                                                                               |                | <b>√</b> |      |             |
| /IDEO SURVEILLANCE SYSTEM (VSS)                                                                                                                 | •              | •        | •    |             |
| → VSS SERVERS                                                                                                                                   |                | <b>√</b> |      |             |
| → VSS CAMERAS                                                                                                                                   |                | <b>√</b> |      |             |
| → VSS PROGRAMMING                                                                                                                               |                | <b>√</b> |      |             |
| → VSS CABLING                                                                                                                                   | <b>√</b>       |          |      | SEE NOTE 5. |
| FIRE ALARM SMOKE DETECTION WITH VOICE EVACUATION                                                                                                |                | <b>√</b> |      |             |
| RACEWAY: CONDUIT, BACK BOXES, SLEEVES, ETC.                                                                                                     |                | <b>√</b> |      | SEE NOTE 1. |
| ELECTRICAL POWER                                                                                                                                |                | <b>√</b> |      | SEE NOTE 1. |
| DFOI - OWNER FURNISHED AND OWNER INSTALLED CFCI - CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED DFCI - OWNER FURNISHED AND CONTRACTOR INSTALLED | •              |          |      |             |

IF SYSTEM REQUIRES NETWORK SWITCH IT SHALL BE OFOI. CONTRACTOR TO COORDINATE WITH

SLEEVES FOR STRUCTURED CABLING WILL BE OWNER FURNISHED, OWNER INSTALLED. NOT TO BE USED BY ANY OTHER TRADE.

## Salas O'Brien.

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Registration: F-4111 Project No: 2023-05942-00

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REVISION HISTORY

12/20/2024

1 ADDENDUM #2 REVISION DESCRIPTION PROFESSIONAL SEALS





2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

PROJECT NUMBER 33AC23221 **CHECKED BY** 

ORIGINAL ISSUE ISSUE FOR PROPOSALS

DECEMBER 09, 2024

TECHNOLOGY NOTES AND LEGENDS



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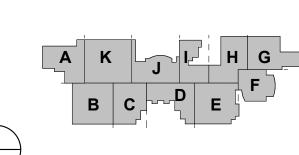
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STRUCTURAL ENGINEER Dally + Associates 9800 Richmond Avenue Suite 460

Salas O'Brien 10930 W Sam Houston Pkwy N Suite 900 Houston, Texas 77042 Houston, TX 77064 281.664.1900 LANDSCAPE/IRRIGATION

MEP & AV/THEATRICAL ENGINEER

**Brooks & Sparks Inc** KW Landscape Architects 6925 Portwest Drive Suite 100 Houston, TX 77024 346.509.5638



REVISION HISTORY

1 ADDENDUM #2



2024 CY RIDGE HS RENOVATION

7900 North Eldridge Parkway Houston, TX 77041

33AC23221

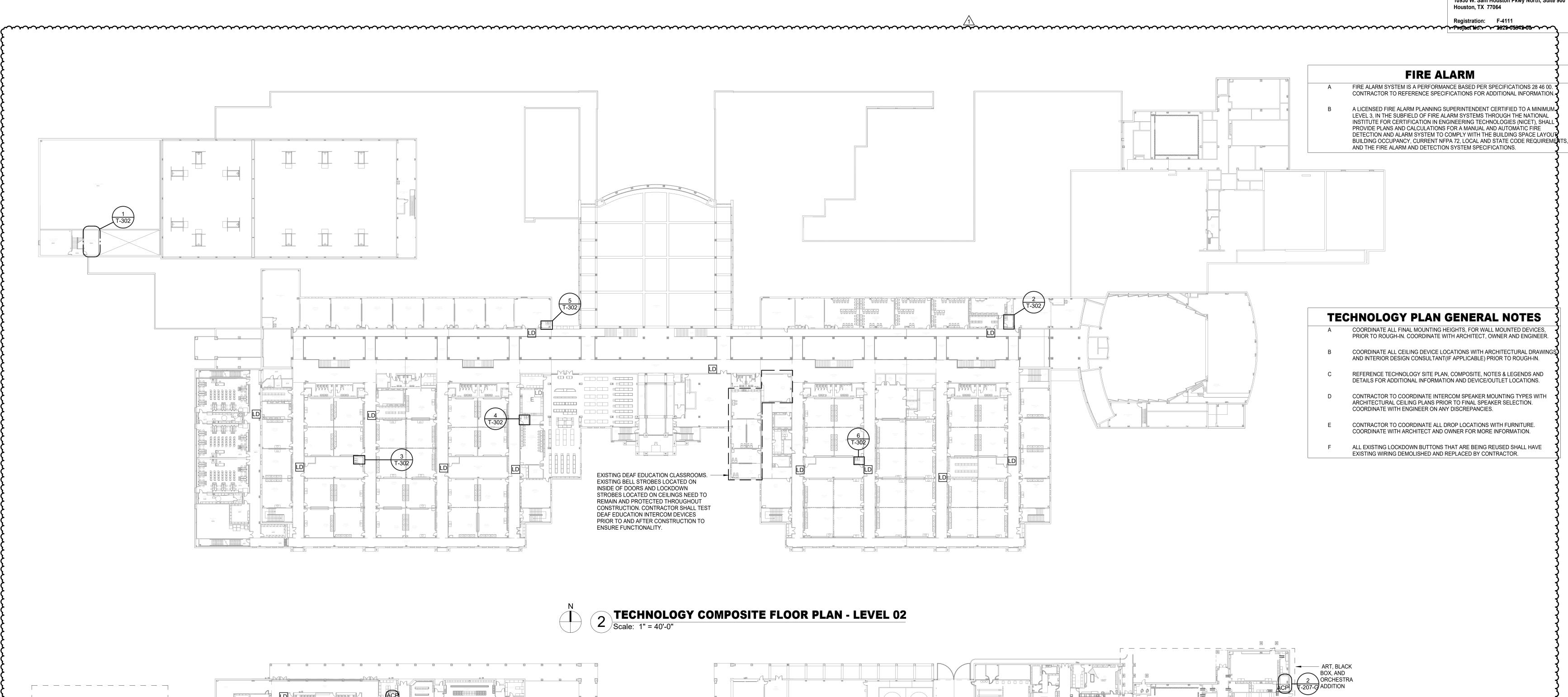
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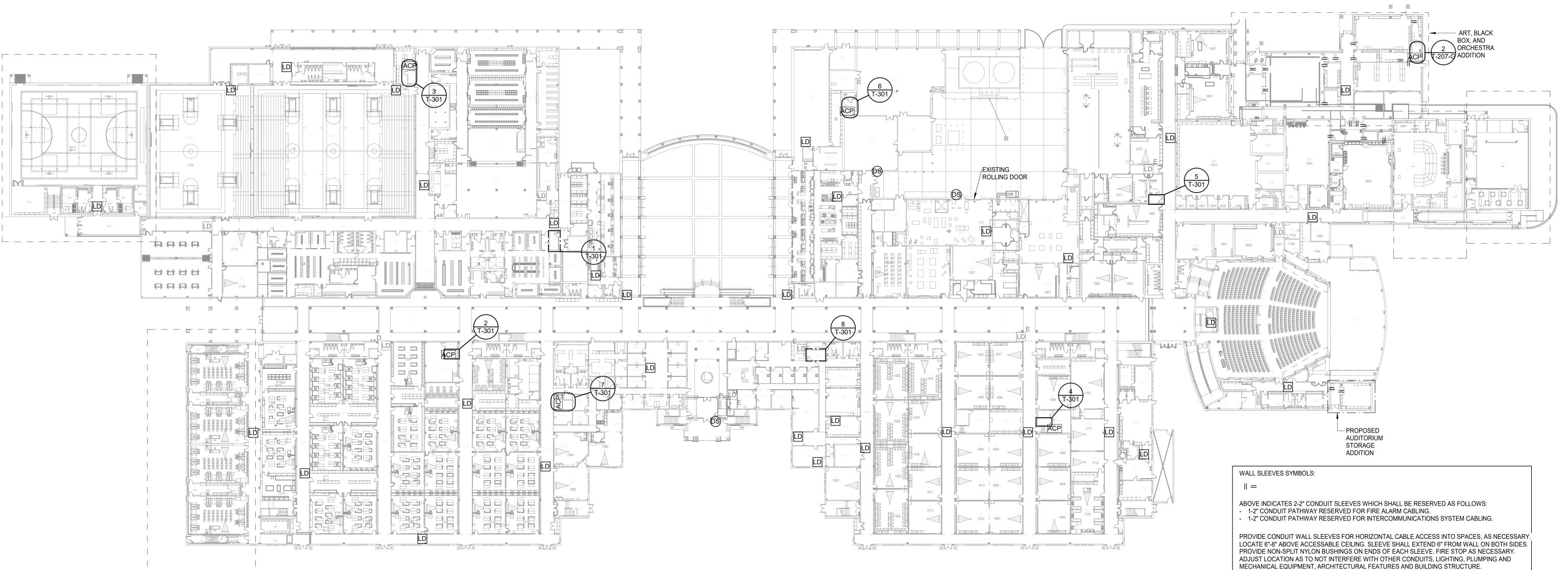
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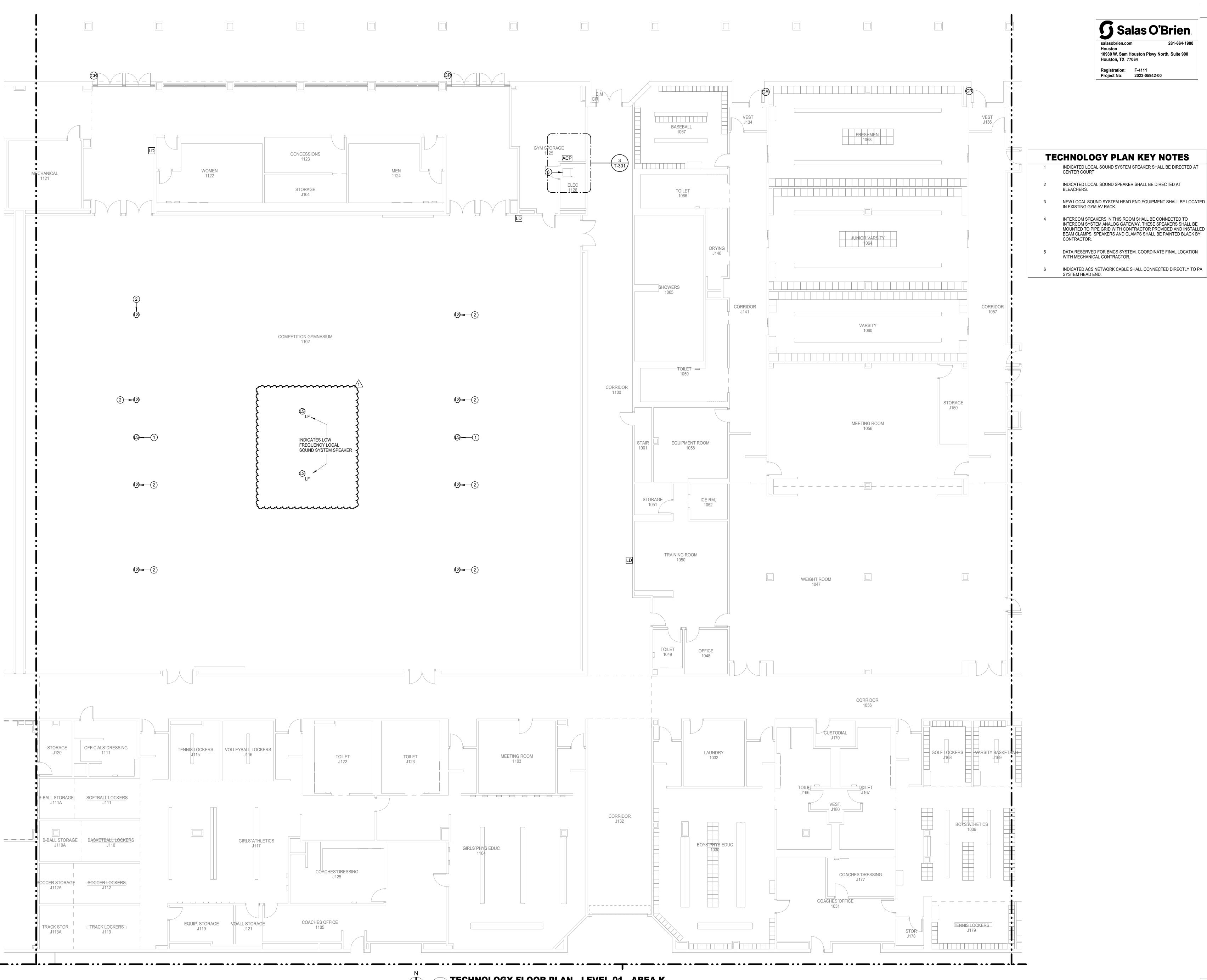
TECHNOLOGY COMPOSITE FLOOR PLANS

SHEET NUMBER





TECHNOLOGY COMPOSITE FLOOR PLAN - LEVEL 01



10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064 Registration: F-4111 Project No: 2023-05942-00

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LANDSCAPE/IRRIGATION

KW Landscape Architects

KEYPLAN

REVISION HISTORY

1 ADDENDUM #2
REVISION DESCRIPTION

12/20/2024



2024 CY RIDGE HS RENOVATION 7900 North Eldridge Parkway

Houston, TX 77041 PROJECT NUMBER

33AC23221

ORIGINAL ISSUE ISSUE FOR PROPOSALS

DECEMBER 09, 2024 SHEET NAME

TECHNOLOGY FLOOR PLAN - LEVEL 1 -AREA K

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