COVER SHEET
G-000
FOR BLUEBEAM LABELING OCR:

DALLAS ISD

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

2024.08.25



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DALLAS INDEPENDENT SCHOOL DISTRICT

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INDEX & GENERAL PROJECT INFORMATION

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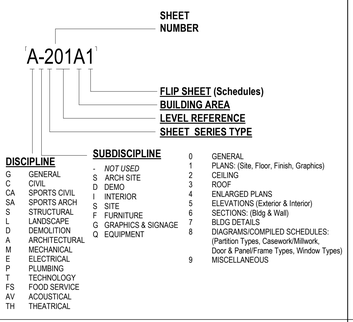
FOR BLUEBEAM LABELING/OCR:

ABBREVIATIONS AND LEGEND KEYS

REFER TO SCHEDULES AND LEGENDS FOR ADDITIONAL ABBREVIATIONS
REFER TO OTHER DISCIPLINES FOR ADDITIONAL ABBREVIATIONS

A		FG	finish group	PERM	perimeter	T	
ABV	above	FH	fire hydrant	PG	paint grade	T	tread
ACOUS	acoustical	FHC	fire hose cabinet	PLAM	plastic laminate	T&G	tongue & groove
ACT	acoustical ceiling tile	FIN	finish	PLAS	plaster	T.O.	top of
AD	area drain	FLR	floor	PLYWD	plywood	TEL	telephone
ADJ	adjustable	FLUOR	fluorescent	POLYISO	polyisocyanurate	TER	terrazzo
AFF	above finished floor	FT	foot or feet	PR	pair	THK	thick
ALT	alternate	FUR	furring	PT	paint	THR	threshold
ALUM	aluminum			PTD	painted	TYP	typical
APPROX	approximate	G					
ARCH	architect / architectural	GAL	gallon	R		U	
		GALV	galvanized	R	riser	UC	undercut
B		GB	grab bar	RAD	radius	UNFIN	unfinished
B.O.	bottom of	GC	general contractor	RCP	reflected ceiling plan	UNO	unless noted otherwise
BALC	balcony	GL	glass	RD	roof drain	UON	unless otherwise noted
BD	board	GND	ground	RE:	refer	UTIL	utility
BET	between	GWB	gypsum wall board	REF	refrigerator		
BLDG	building	GYP	gypsum	REINF	reinforced	V	
BLKG	blocking			REQD	required	VCT	vinyl compostion tile
BLW	below	H		RESIL	resilient	VERT	vertical
BM	beam	H.W.H.	hot water heater	RM	room	VIF	verify in field
BOT	bottom	HC	handicapped	RO	rough opening	VTR	vent termination pipe
BRKT	bracket	HDWD	hardwood	RTU	root top unit (mech)	VWC	vinyl wall covering
BULKHD	bulkhead	HDWR	hardware				
BUR	built up roof	HM	hollow metal	S		W	
		HORIZ	horizontal	S	south	W	west
C		HR	hour	SAFB	sound attenuation fiber batt	W/	with
C.G.	corner guard	HT	height	SC	scupper	W/O	without
CAB	cabinet			SCHED	schedule	WC	watercloset
CALK	caulking	I		SEAL	sealant	WIN	window
CEM	cement	ID	inner diameter	SECT	section	WP	waterproof
CER	ceramic	INCAN	incandescent	SF	square foot	WS	webstack
CJ	control joint	INSUL	insulation	SHT	sheet	WSCT	wainscot
CLG	ceiling	INT	interior	SIM	similar	WT	weight
CLOS	closet			SPEC	specification		
CLR	clear	J		SQ	square	X	
CO	cased opening	JAN	janitor	SS	stainless steel	XPS	extruded polystrene
COL	column	JST	joist	STD	standard		
CONC	concrete	JT	joint	STL	steel		
CONT	continous			STOR	storage		
CPT	carpet	L		STRUCT	structural		
CT	ceramic tile	LAM	laminate	SUSP	suspended		
CTR	center	LAV	lavatory	SYM	symmetrical		
		LB	pound(s)				
D		LDG	landing				
DBL	double	LT	light				
DET	detail						
DIA	diameter	M					
DIM	dimension	MAX	maximum				
DN	down	MECH	mechanical				
DR	door	MEMB	membrane				
DS	down spout	MFR	manufacturer				
DW	dishwasher	MIN	minimum				
DWG	drawing	MISC	miscellaneous				
		MO	masonry opening				
E		MTD	mounted				
E	east	MTL	metal				
EA	each						
EIFS	exterior insulation & finish system	N					
ELEC	electric(al)	N	north				
ELEV	elevation	NIC	not in contract				
EMER	emergency	NO	number				
ENCL	enclosure	NOM	nominal				
EOS	edge of slab	NTS	not to scale				
EQ	equal						
EQUIP	equipment	O					
ETR	existing to remain	O.P.	overflow pipe				
EW	each way	OA	overall				
EXP. JT.	expansion joint	OC	on center				
EXST	existing	OD	outside diameter				
		OFF	office				
F		OH	opposite hand				
F.O.	face of	OPG	opening				
FA	fire alarm	OPP	opposite				
FAP	fire annunciator panel						
FD	floor drain	P					
FE	fire extinguisher	PART	partition				
FEC	fire extinguisher cabinet	PCT	porcelain tile				

PROJECT GRAPHIC REFERENCES



DISCIPLINE

G	GENERAL
C	CIVIL
CA	SPORTS CIVIL
SA	SPORTS ARCH
S	STRUCTURAL
L	LANDSCAPE
D	DEMOLITION
A	ARCHITECTURAL
M	MECHANICAL
E	ELECTRICAL
P	PLUMBING
T	TECHNOLOGY
FS	FOOD SERVICE
AV	ACOUSTICAL
TH	THEATRICAL

SUBDISCIPLINE

-	*NOT USED*
S	ARCH SITE
D	DEMO
I	INTERIOR
S	SITE
F	FURNITURE
G	GRAPHICS & SIGNAGE
Q	EQUIPMENT

0	GENERAL
1	PLANS: (Site, Floor, Finish, Graphics)
2	CEILING
3	ROOF
4	ENLARGED PLANS
5	ELEVATIONS (Exterior & Interior)
6	SECTIONS: (Bldg & Wall)
7	BLDG DETAILS
8	DIAGRAMS/COMPILED SCHEDULES: (Partition Types, Casework/Millwork, Door & Panel/Frame Types, Window Types)
9	MISCELLANEOUS

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE TO INCLUDE AIA DOCUMENT A201 "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION". CLIENT SHALL BE DESIGNATED AS "THE OWNER", PBK ARCHITECTS, INC. SHALL BE DESIGNATED AS "THE ARCHITECT". FACILITY SHALL BE DESIGNATED AS "THE LANDLORD". THE CONTRACT DOCUMENT SHALL ALSO INCLUDE THE AGREEMENT, PERFORMANCE AND PAYMENT BONDS, GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS, THE SPECIFICATIONS, CONTRACT DRAWINGS ADDENDA, AND CONTRACT MODIFICATIONS, BUILDING RULES AND REGULATIONS & ANY OTHER DOCUMENTS REQUIRED BY THE OWNER.

B. THE WORK SHALL BE DONE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF ALL APPLICABLE SAFETY AND BUILDING CODES, AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION. CONTRACTOR IS RESPONSIBLE FOR SECURING AND PAYING FOR ALL PERMITS REQUIRED FOR THE WORK AND FOR THE SCHEDULING OF ALL REQUIRED INSPECTIONS DURING THE COURSE OF THE WORK.

C. CONTRACTOR SHALL REVIEW AND VERIFY EXISTING CONDITIONS AS PROVIDED IN THE CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL DISCREPANCIES, ERRORS, INCONSISTENCIES OR AMBIGUITIES PRIOR TO PROCEEDING WITH THE WORK.

D. CONTRACTOR SHALL BE RESPONSIBLE FOR, AND PROVIDE PROTECTION OF, ANY EXISTING FINISHES, MATERIALS, AND EQUIPMENT TO REMAIN. CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGED FINISHES, MATERIALS, AND EQUIPMENT AS A RESULT OF THE WORK. ALL EXISTING FINISHES TO REMAIN SHALL BE CLEANED AT THE COMPLETION OF CONSTRUCTION. CONTRACTOR SHALL PHOTOGRAPH AND DOCUMENT ALL EXISTING DAMAGES, AND PROVIDE TO THE ARCHITECT, PRIOR TO PROCEEDING WITH THE WORK.

E. ALL MATERIALS AND SYSTEMS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL CONSTRUCTION SHALL BE OF INDUSTRY STANDARD OR BETTER. THE ARCHITECT SHALL BE FINAL JUDGE OF QUALITY.

F. ONLY NEW MATERIALS AND EQUIPMENT OF RECENT MANUFACTURE, OF STANDARD QUALITY, AND FREE FROM DEFECTS, WILL BE PERMITTED IN THE WORK, UNLESS OTHERWISE NOTED. REJECTED MATERIALS AND EQUIPMENT SHALL BE REMOVED IMMEDIATELY FROM THE WORK AND REPLACED WITH MATERIALS AND EQUIPMENT OF THE QUALITY SPECIFIED. FAILURE TO REMOVE REJECTED MATERIALS AND EQUIPMENT SHALL NOT RELIEVE CONTRACTOR FROM THE RESPONSIBILITY FOR QUALITY OF MATERIAL AND EQUIPMENT USED NOR FROM ANY OTHER OBLIGATION IMPOSED BY THE CONTRACT.

G. DO NOT SCALE DRAWINGS. STATED & WRITTEN DIMENSIONS GOVERN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND SHALL BE RESPONSIBLE FOR THEIR ACCURACY. NO EXTRA CHARGE OR COMPENSATION SHALL BE ALLOWED BECAUSE OF DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND THOSE INDICATED ON THE DRAWINGS, UNLESS THEY CONTRIBUTE TO A CHANGE IN THE SCOPE OF THE WORK. ANY DIFFERENCE FOUND SHALL BE SUBMITTED TO THE ARCHITECT FOR COORDINATION PRIOR TO ORDERING, MANUFACTURING, OR PROCEEDING WITH THE WORK. HORIZONTAL DIMENSIONS INDICATED ARE TO/FROM FACE OF FINISH, UNLESS NOTED OTHERWISE. VERTICAL DIMENSIONS ARE FROM TOP OF FLOOR SLAB EXCEPT WHERE NOTED TO BE ABOVE FINISHED FLOOR (AFF). DIMENSIONS ARE NOT ADJUSTABLE WITHOUT APPROVAL OF ARCHITECT UNLESS NOTED +/-.

H. CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST BETWEEN THE LOCATIONS OF EXISTING AND PROPOSED NEW MECHANICAL, ELECTRICAL, PLUMBING, DATA, AND SPRINKLER EQUIPMENT (INCLUDING BUT NOT LIMITED TO STRUCTURAL MEMBERS, PIPING, DUCT WORK, CONDUIT AND SPRINKLERS) AND THAT CLEARANCES FOR INSTALLATION AND MAINTENANCE OF EQUIPMENT ARE PROVIDED. ELEMENTS IN CONFLICT SHALL BE DOCUMENTED AND PROVIDED TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.

J. CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH SHOP DRAWINGS FOR REVIEW AND APPROVAL, FOR ALL, BUT NOT LIMITED TO, THE FOLLOWING: SHOP-FABRICATED MILLWORK, CARPET LAYOUT, FLOORING, LIGHT FIXTURES, DOORS, MISC. STEEL, METAL FABRICATION, GLASS/GLAZING, SPRINKLER LAYOUTS, HARDWARE. SHOP DRAWINGS SHALL BE SUBMITTED IN THE FORM OF 3 SETS OF PRINTS. SHOP DRAWINGS SHALL NOT BE REPRODUCTIONS OF CONTRACT DOCUMENTS. MATERIAL SUBMITTALS (3 SAMPLES) SHALL BE PROVIDED FOR WOOD, FASTENERS, ACRYLIC, CARPET, TILE, BASE, PAINT, LAMINATE AND ANY OTHER MATERIALS INDICATED IN THE SHOP DRAWING.

K. CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH MANUFACTURER'S CUT SHEETS AND SPECIFICATIONS FOR ALL EQUIPMENT INCLUDING BUT NOT LIMITED TO: LIGHT FIXTURES, PLUMBING EQUIPMENT, ELECTRICAL EQUIPMENT, FANS, SUPPLEMENTARY HEATING AND COOLING ELEMENTS, ALL HARDWARE AND SECURITY EQUIPMENT.

L. CONTRACTOR SHALL NOT PROCEED WITH WORK FOR WHICH ADDITIONAL COMPENSATION BEYOND THE CONTRACT AMOUNT IS EXPECTED WITHOUT WRITTEN AUTHORIZATION FROM THE ARCHITECT AND OWNER. FAILURE TO OBTAIN SUCH AUTHORIZATION SHALL INVALIDATE A CLAIM FOR EXTRA COMPENSATION. CONTRACTOR SHALL NOT PROCEED WITH WORK WHICH, IF COMPLETED IN STRICT CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS, WILL RESULT IN ADDITIONAL WORK BEYOND THE SCOPE OF THE CONTRACT WITHOUT WRITTEN AUTHORIZATION FROM THE ARCHITECT AND OWNER. ANY FIELD CONDITIONS THAT SIGNIFICANTLY VARY FROM THE CONTRACT DOCUMENTS OR WILL RESULT IN ADDITIONAL WORK, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.

M. CONTRACTOR SHALL REVIEW AND COORDINATE THE SIZE AND LOCATION OF ALL SLAB OPENINGS WITH ALL RELATED DISCIPLINES. CONTRACTOR SHALL SUBMIT PROPOSED LOCATIONS OF CORE DRILLING AND SLAB OPENINGS TO ARCHITECT AND STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING WITH THE WORK.

N. PATCH, REPAIR, AND INSTALL ALL FIREPROOFING AS REQUIRED BY CODE. FIREPROOF ALL NEW PENETRATIONS AS REQUIRED FOR APPROVAL BY THE AUTHORITY HAVING JURISDICTION.

P. WHERE BUILDING THERMAL EXPANSION JOINTS ARE LOCATED, CONTRACTOR SHALL COMPLY WITH APPLICABLE CODE AND INDUSTRY BEST PRACTICES FOR ROUTING OF ALL PIPING, DUCTS, CONDUITS AND OTHER CONTINUOUS RUNS.

Q. CONTRACTOR SHALL CONTINUOUSLY CHECK ARCHITECTURAL AND STRUCTURAL CLEARANCES FOR ACCESSIBILITY OF EQUIPMENT AND MECHANICAL AND ELECTRICAL SYSTEMS. NO ALLOWANCES OF ANY KIND WILL BE MADE FOR THE GENERAL CONTRACTOR'S NEGLIGENCE TO FORESEE MEANS OF INSTALLING EQUIPMENT INTO POSITION.

R. FINISHED WORK SHALL BE FIRM, WELL-ANCHORED, IN TRUE ALIGNMENT, PLUMB, LEVEL, WITH SMOOTH, CLEAN, UNIFORM, APPEARANCE WITHOUT WAVES, DISTORTIONS, HOLES, MARKS, CRACKS, STAINS, OR DISCOLORATION. JOINTING SHALL BE CLOSE FITTING, NEAT AND WELL SCRIBED. FINISHED WORK SHALL HAVE NO EXPOSED UNSIGHTLY ANCHORS OR FASTENERS AND SHALL NOT PRESENT HAZARDOUS, UNSAFE CORNERS. ALL WORK SHALL HAVE THE PROVISION FOR EXPANSION, CONTRACTION AND SHRINKAGE AS NECESSARY TO PREVENT CRACKS, BUCKLING, AND WARPING DUE TO TEMPERATURE AND HUMIDITY CONDITIONS.

S. ATTACHMENTS, CONNECTIONS OR FASTENERS OF ANY NATURE ARE TO PROPERLY AND PERMANENTLY BE SECURED IN CONFORMANCE WITH INDUSTRY BEST PRACTICES. THE DRAWINGS HIGHLIGHT SPECIAL CONDITIONS ONLY AND BY NO MEANS ILLUSTRATE EVERY CONNECTION. THE CONTRACTOR IS RESPONSIBLE FOR IMPROVING CONNECTION ACCORDINGLY.

T. CONTRACTOR SHALL WAIVE "COMMON PRACTICE" AND "COMMON USAGE" AS CONSTRUCTION CRITERIA WHEREVER DETAILS AND CONTRACT DOCUMENTS OR GOVERNING CODES, ORDINANCES, ETC. REQUIRE QUANTITY OR BETTER QUALITY THAN COMMON PRACTICE OR COMMON USAGE THAT WOULD REQUIRE.

U. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SUBMITTALS AND SHALL ORDER AND SCHEDULE DELIVERY OF MATERIALS TO AVOID DELAYS IN CONSTRUCTION. IF AN ITEM IS FOUND TO BE UNAVAILABLE OR TO HAVE A LONG LEAD TIME, THE GENERAL CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY WITH A PROPOSED ALTERNATIVE.

V. CONTRACTOR SHALL NOTIFY THE OWNER, THE LANDLORD, AND THE ARCHITECT IN WRITING OF ANY DEFICIENCIES IN BASE BUILDING WORK PRIOR TO THE COMMENCEMENT OF THE WORK. ANY UNREPORTED DEFICIENCIES WILL BECOME THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CORRECT.

W. CONTRACTOR SHALL EXERCISE INDUSTRY BEST PRACTICES FOR CARE AND CAUTION DURING THE CONSTRUCTION OF THE WORK, AND SHALL SCHEDULE WORK TO MINIMIZE DISTURBANCES TO OCCUPANTS, ADJACENT SPACES AND/OR STRUCTURES, PROPERTY, PUBLIC THOROUGHFARES, ETC. THE GENERAL CONTRACTOR SHALL TAKE PRECAUTIONS AND BE RESPONSIBLE FOR THE SAFETY OF ALL BUILDING OCCUPANTS DURING CONSTRUCTION PROCEDURES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COSTS INCURRED.

X. ALL DEBRIS SHALL BE REMOVED FROM THE SITE ON A DAILY BASIS, OR AS DIRECTED BY THE AUTHORITY HAVING JURISDICTION. UPON COMPLETION OF THE WORK, REMOVE ALL DEBRIS FROM THE WORK PROVIDED UNDER THIS CONTRACT AND LEAVE ALL AREAS CLEAN. TRASH IS NOT PERMITTED TO BE BURNED ON SITE.

Y. ALL ABANDONED AND MISCELLANEOUS NAILS, HANGERS, STAPLES, WIRES, CONDUITS AND DEBRIS SHALL BE REMOVED FROM EXPOSED AREAS OF THE FLOORS, WALLS, AND CEILINGS. REMOVE ALL ABANDONED PIPE SLEEVES IN FLOOR SLABS. PATCH EXISTING SLAB AS REQUIRED TO MAINTAIN UL FIRE RATING OF FLOOR SLAB WHERE PIPES AND CONDUITS HAVE BEEN REMOVED.

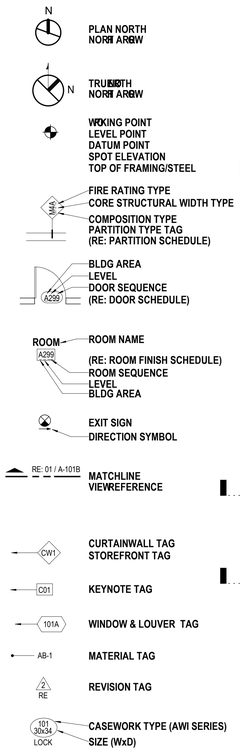
Z. SLAB PENETRATIONS SHALL BE SEALED AS REQUIRED TO MAINTAIN FIRE RATING, USING MATERIALS AND METHODS APPROVED BY THE AUTHORITY HAVING JURISDICTION. EXPANSION MATERIAL SHALL BE APPROVED BY THE ARCHITECT.

ZA. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY ACCESS PANELS WHICH MAY BE REQUIRED PRIOR TO PROCEEDING WITH THE WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL TRADES. REQUIRED ACCESS PANELS SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK.

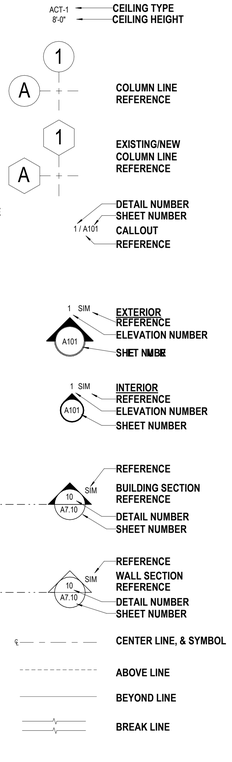
ZB. CONTRACTOR SHALL PROVIDE THE TEAM WITH A CONSTRUCTION SCHEDULE SHOWING THE PROPOSED PHASING. LONG LEAD ITEMS THAT WILL AFFECT THE SUBSTANTIAL COMPLETION DATE SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.

PROJECT GRAPHIC REFERENCES

PROJECT SYMBOLS



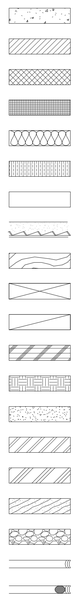
PROJECT SYMBOLS



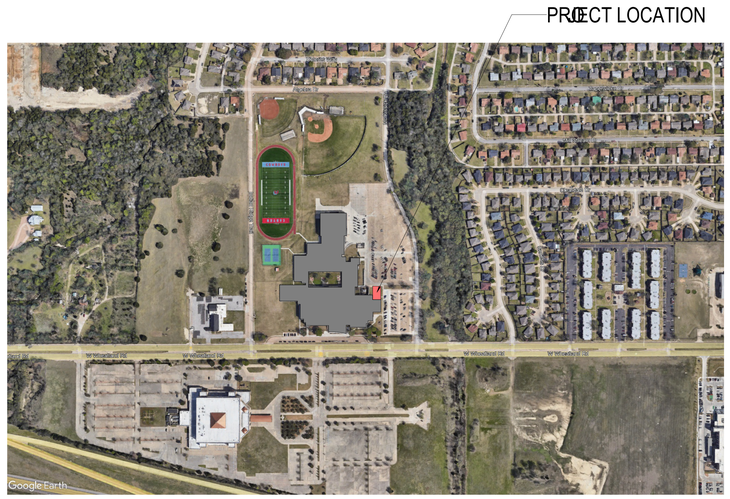
CONSTRUCTION TYPE SYMBOLS



MATERIAL INDICATIONS



VICINITY MAP



SHEET NUMBER	SHEET NAME
ARCHITECTURAL GENERAL	
G-000	COVER SHEET
G-001	INDEX & GENERAL PROJECT INFORMATION
G-020	ACCESSIBILITY GUIDELINES
G-030	FIRE RATED ASSEMBLIES
G-031	FIRE RATED ASSEMBLIES
G-101A	1ST LEVEL - CODE COMPLIANCE PLAN
G-101B	1ST LEVEL - LIFE SAFETY / EGRESS PLAN

SHEET NUMBER	SHEET NAME
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C03.01	DEMOLITION PLAN
C04.01	SITE PLAN
C04.02	SIDEWALK DETAILS

SHEET NUMBER	SHEET NAME
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S-102	GENERAL NOTES CONTINUED
S-103	REQUIRED SPECIAL INSPECTIONS
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S-202	BLACK BOX LEVEL 2 FRAMING PLAN
S-203	BLACK BOX ROOF FRAMING PLAN
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S-302	FOUNDATION SECTIONS
S-401	FRAMING SECTIONS
S-402	FRAMING SECTIONS
S-403	FRAMING SECTIONS
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S-501	CONCRETE BEAM & SLAB SCHEDULE & DETAILS
S-502	X-BRACE ELEVATIONS
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S-602	TYPICAL DETAILS
S-603	TYPICAL DETAILS

SHEET NUMBER	SHEET NAME
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ARCHITECTURAL SITE	
AS100	ARCHITECTURAL SITE PLAN & DETAILS
ARCHITECTURAL DEMOLITION	
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AD101B	1ST FLOOR DEMOLITION PLAN - AREA B
AD201	1ST FLOOR DEMOLITION CEILING PLAN - COMPOSITE
AD201B	1ST FLOOR DEMOLITION CEILING PLAN - AREA B
ARCHITECTURAL	
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A-101B	1ST FLOOR PLAN - AREA B
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A-201A1	BLACK BOX LEVEL 1 FLOOR CEILING PLAN
A-201A2	BLACK BOX LEVEL 2 FLOOR CEILING PLAN
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AF100B	FINISH SCHEDULE - INTERIOR
AF101	1ST FLOOR FINISH PLAN - COMPOSITE
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Sheet Nr	Sheet Name
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M311	ENLARGED MECHANICAL PLAN - BLACK BOX LEVEL 1
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EPD315	ENLARGED ELECTRICAL LIGHTING DEMOLITION PLAN - SCENE SHOP ROOM
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EL312	ENLARGED ELECTRICAL LIGHTING PLAN - BLACK BOX LEVEL 2
EL315	ENLARGED ELECTRICAL LIGHTING PLAN - SCENE SHOP ROOM
EP311	ENLARGED ELECTRICAL POWER PLAN - BLACK BOX LEVEL 1
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P312	ENLARGED PLUMBING PLAN - BLACK BOX LEVEL 2
P313	ENLARGED PLUMBING PLAN - AUDITORIUM LEVEL 1
P314	ENLARGED PLUMBING PLAN - CRAWL SPACE
P501	PLUMBING SCHEDULES

SHEET NUMBER	SHEET NAME
T-001	TECHNOLOGY SYSTEM NOTES AND LEGENDS
TND-101	1ST LEVEL TECHNOLOGY DEMO PLAN - COMPOSITE
TND-101B	1ST LEVEL TECHNOLOGY DEMO PLAN AREA B
TN-101	1ST LEVEL TECHNOLOGY PLAN - COMPOSITE
TN-101A	1ST LEVEL TECHNOLOGY PLAN - AREA A
TN-101B	1ST LEVEL TECHNOLOGY PLAN - AREA B
T-501	TECHNOLOGY RISER DIAGRAMS

SHEET NUMBER	SHEET NAME
AV-000	GENERAL NOTES AND LEGENDS
AV-101A2	BLACK BOX LEVEL 2 FLOOR PLAN
AV-501	ELEVATION
AV-1100	AUDIO-VIDEO FUNCTIONAL LEGEND
AV-1110	BLACK BOX DETAILS

SHEET NUMBER	SHEET NAME
TL-000	GENERAL NOTES AND LEGENDS
TL-101A2	BLACK BOX LEVEL 2 FLOOR PLAN
TL-602	DETAILS
TL-1601	THEATRICAL LIGHTING AND CONTROL RISER

SHEET NUMBER	SHEET NAME
TR-000	GENERAL NOTES AND LEGENDS
TR-101A2	BLACK BOX LEVEL 2 FLOOR PLAN
TR-601	SECTION

PBK

ARCHITECT PBK Architects, Inc.
PBK.com
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Dallas, TX 75240
972-233-1323 P
972-233-1373 F
TX Firm: BR 1608

CIVIL
Simon Engineering & Consulting, Inc.
T-214-886-7870

STRUCTURAL
Charles Goen and Associates, Inc.
T-214-340-1199

MEP
MEI, CORP.
T-214-217-9100

TECHNOLOGY
LEAF ENGINEERS
T-972-233-1323

ACOUSTIC
RWA
T-972-994-3700

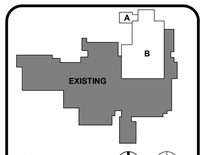
BUILDING ENVELOPE
BEAM
T-972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
REGISTERED ARCHITECT
MICHAEL S. BERGER
29370
STATE OF TEXAS

2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

INDEX & GENERAL PROJECT INFORMATION

G-001

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Checker
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Author
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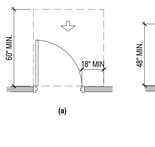
ACCESSIBILITY GUIDELINES

G420

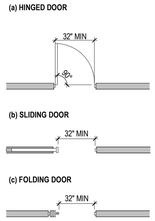
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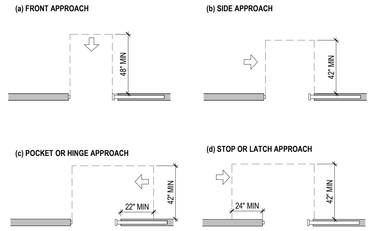
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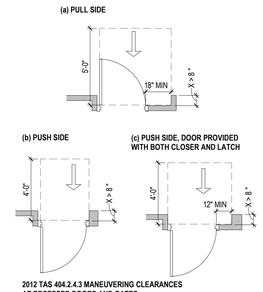
2012 TAS 404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES



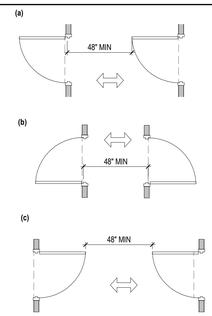
2012 TAS 404.2.3 CLEAR WIDTH OF DOORWAYS



2012 TAS 404.2.4.3 MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS, SLIDING DOORS, GATES AND FOLDING DOORS

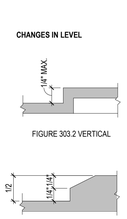


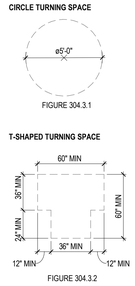
2012 TAS 404.2.4.3 MANEUVERING CLEARANCES AT RECESSED DOORS AND GATES



2012 TAS 404.2.6 DOORS IN SERIES AND GATES IN SERIES

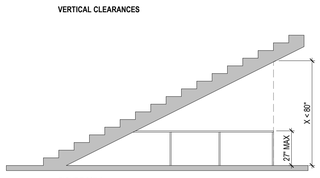
ACCESSIBLE ROUTES & DOOR APPROACH CLEARANCES

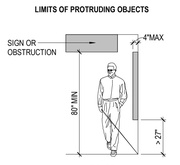


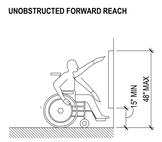


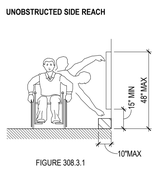
CHANGES IN LEVEL, TURNING SPACE, & CLEAR FLOOR AREA

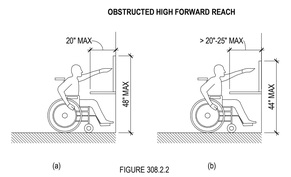


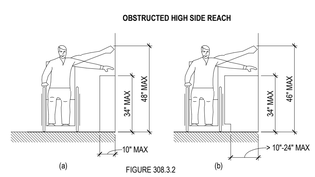




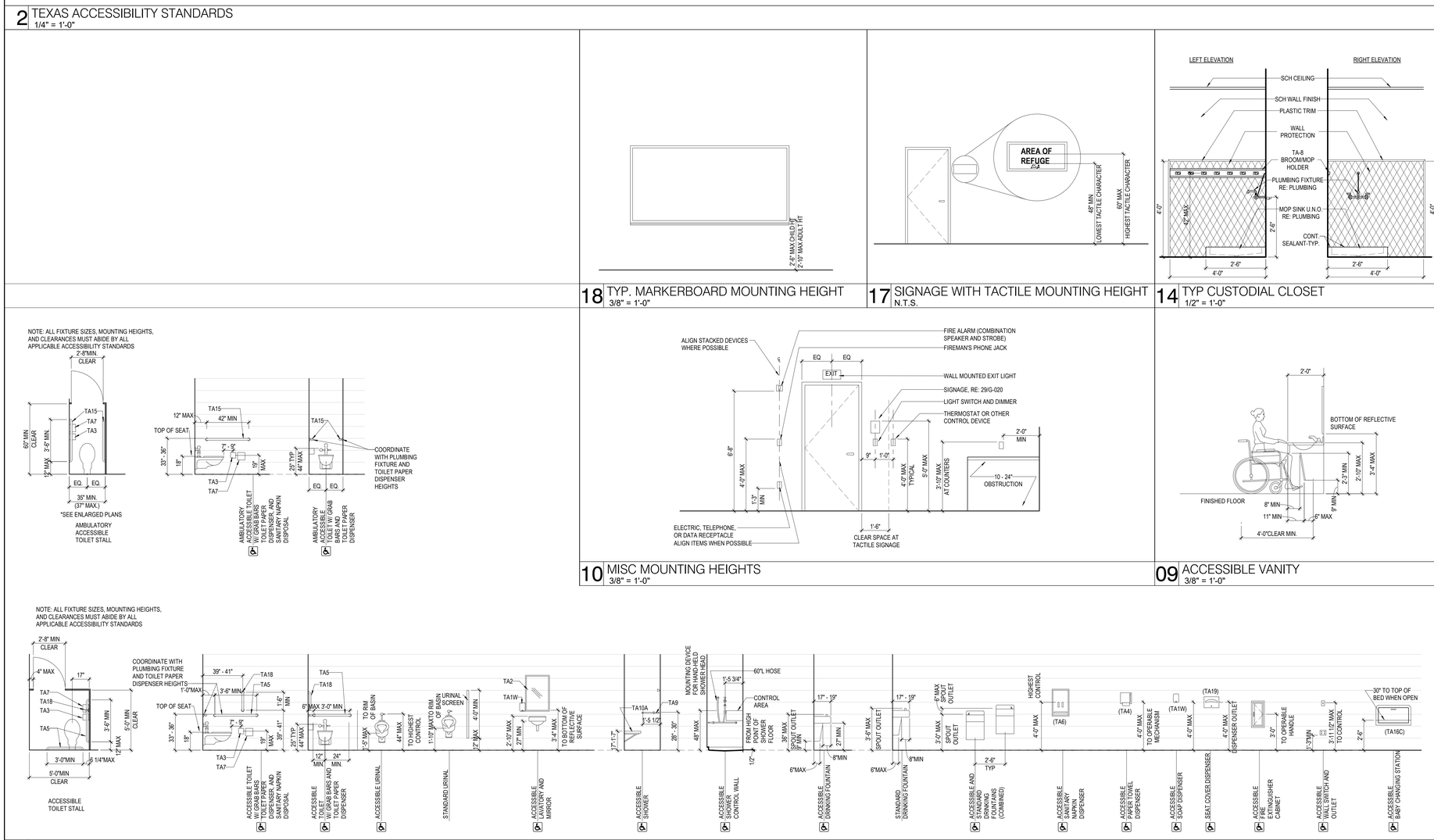








2 TEXAS ACCESSIBILITY STANDARDS
1/4" = 1'-0"



06 ACCESSIBILITY - AGES 13 THRU ADULT (GRADES 8 AND ABOVE)
1/4" = 1'-0"

01 ACCESSIBLE MOUNTING HEIGHTS
1/4" = 1'-0"

GENERAL ACCESSIBILITY GUIDELINES NOTES

1. VERIFY AND INSTALL ALL ACCESSORIES AT HEIGHTS TO COMPLY WITH ALL APPLICABLE ACCESSIBILITY REQUIREMENTS. IN THE EVENT OF CONFLICT BETWEEN DATA SHOWN ON ELEVATIONS AND DATA PROVIDED ON THIS SHEET, THIS SHEET SHALL GOVERN THE DETAILS AND TAKE PRECEDENCE OVER DATA ON ELEVATIONS.
2. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE OTHER THAN FIRE DOORS SHALL BE: FIVE POUNDS MAXIMUM FOR INTERIOR HINGED DOORS AND GATES. FIVE POUNDS MAXIMUM FOR SLIDING OR FOLDING DOORS.

DESCRIPTION	Ages: 13 - Adult (Grades 8 and Above)
WATER CLOSET: To Top of Seat	17" - 19"
Grab Bar Height	33" - 36"
Flush Control Height	25" TYP 44" MAX
URINAL: Max. To Rim of Basin	17"
Flush Control Height (Max)	44"
LAVATORIES: Front Approach	
Knee Clearance (Min)	27"
To Top (Max)	34"
To Faucet (Max)	25"
FIXED OR BUILT-IN:	
Height of Tables or Counter:	28" - 34"
Knee Clearance (Min)	27"
SHELVES, DISPENSERS: Max. Height to Control Device	
Frontal Approach (Max)	48"
Side Approach (Max)	48"
DRINKING FOUNTAINS:	
To Spout (Max)	36"
Knee Clearance (Min)	27"
SWITCHES AND CONTROLS	
Frontal Approach (Max)	48"
Side Approach (Max)	48"
MIRRORS: Max. Height to Bottom of Reflective Surface	
At Lavatories and Counter Tops	40"
Full Length	35"
MIRRORS: Min. Height to Top of Reflective Surface	
Full Length	74"
TOILET PAPER DISPENSER: Height to Center of Roll (Max)	19"
PAPER TOWEL DISPENSER: Height to Operating Mechanism	48"
SHOWER	
Top of Seat	17" - 19"
Grab Bar	33" - 36"
To Hand Shower Head Mounting (Max)	48"
MARKER BOARDS / TACKBOARDS	COORD. MOUNTING HEIGHT WITH OWNER PRIOR TO INSTALL

PBK

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MEP
MEP/FP
T 214-217-9500

TECHNOLOGY
LEAF ENGINEERS
T 972-233-1323

ACOUSTIC
Pinnacle
T 214-244-3700

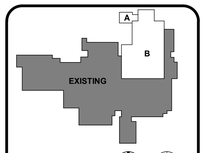
BUILDING ENVELOPE
BEAN
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORIG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

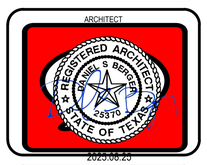
DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN

NORTH: PLAN TRUE

ARCHITECT



2023.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

ACCESSIBILITY GUIDELINES

G-020

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FIRE RATED ASSEMBLIES

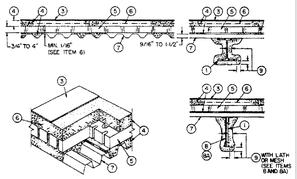
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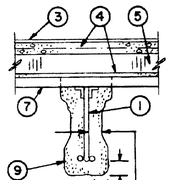
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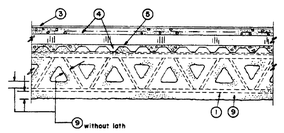
0"

1"

Design No. P921
Restrained Assembly Rating—1, 1 1/2 or 2 Hr (See Items 4, 6, 7 and 9)
Unrestrained Assembly Rating—0 Hr (See Item 7)
Unrestrained Beam Rating—1, 1 1/2 or 2 Hr (See Items 4, 6, 7 and 9)







1. **Supports**—W6X16 or W8X10 beam. As alternate to steel beams, Joist girders—(Not shown)—20 in. min depth and 13 lb/lin ft min weight.
1A. **Steel Joists**—12K5 or heavier steel joist may be used as secondary support.
2. **Bridging Angles**—(Not shown)—1-1/4 by 1-1/4 by 1/8 in. thick angles for use with steel joists. Angles welded to top and bottom chords of the joists.
3. **Roof Covering***—Consisting of hot mopped or cold application materials compatible with insulation(s) described herein which provide Class A, B or C coverings. See Roofing Materials and Systems Directory-Roof Covering Materials (TEVT).
3A. In lieu of Item 3, roof covering consisting of single-ply **Roofing Membrane*** that is either ballasted, adhered or mechanically attached as permitted under the respective manufacturer's Classification. See Fire Resistance Directory—Roofing Membranes (CHCI).
4. **Vermiculite Concrete**—6 cu ft of **Vermiculite Aggregate*** to 94 lb of Portland cement and 0.11 lb of air entraining agent mixed with approx 25 gal of water. Min compressive strength shall be 125 psi when tested in accordance with ASTM C495. Min thickness above foamed plastic is 2 in. Min thickness between top of steel deck and bottom of foamed plastic shall be 1/16 in. when wire mesh (Item 6) is used and 1/8 in. when the wire mesh is not used. When foamed plastic (Item No. 5 or 5A) is not used the topping thickness of Vermiculite Concrete over the crests of steel deck shall be a min of 2-3/16 in. for the 1 and 1-1/2 h ratings and 2-3/8 in. for the 2 h rating. The max vermiculite concrete thickness shall be determined by job site conditions.
Mandoval Ltd.
Mandoval Vermiculite Products, Inc.
Palmetto Vermiculite Co., Inc.
Siplast Inc.
Strong-Lite Products Corp.
Vermiculite Products, Inc.
4A. **As an alternate to Item 4, Cellular Concrete —Roof Topping Mixture***—Foam concentrate mixed with water and Portland cement per manufacturer's specifications. Cast dry density and 28-day compressive strength of min 190 psi as determined in accordance with ASTM C495-66. Min thickness above foamed plastic is 2 in. Min thickness between the top of steel deck and the bottom of foamed plastic shall be 1/8 in. When foamed plastic is not used, the min thickness of Roof Topping Mixture* above the top of the steel deck shall be 2-3/4 in.
Celcore Inc.—Cast dry density of 31 (+ or -) 3.0 pcf.
Cellufoam Concrete Systems—Cast dry density of 30 (+ or - 3.0) pcf.
Elastizell Corp. of America—Type II. Mix #1 of cast dry density 39 (+ or -) 3.0 pcf, Mix #2 of cast dry density 40 (+ or -) 3.0 pcf, Mix #3 of cast dry density 47 (+ or -) 3.0 pcf.
Lite-Crete, Inc.—Cast dry density of 29 (+ or -) 3.0 pcf.
Mearl Corp., The—Cast dry density 37 (+ or -) 3.0 pcf.
Siplast Inc.—Mix #2. Cast dry density of 36 (+ or -) 3.0 pcf.
4B. **As an alternate to Item 4**—Perlite Concrete—Mix consists of 6 cu ft of **Perlite Aggregate*** to 94 lb of Portland cement and 1-1/2 pints of air-entraining agent. Thickness of perlite concrete topping to be 2 in. min from the top plane of the foamed plastic. Min thickness between the top of steel deck and the bottom of the foamed plastic shall be 1/8 in.
See Perlite Aggregate (CFFX) category in Fire Resistance Directory for names of Classified companies.
4C. **As an alternate to Item 4**—Cellular Concrete—Roof Topping Mixture*—Foam Concentrate mixed with water, Portland Cement and UL Classified Vermiculite Aggregate per manufacturer's application instructions. Cast dry density of 33 (+ or -) 3.0 pcf and 28-day compressive strength of min 250 psi as determined in accordance with ASTM C495-86. A 1/8 in. min slurry coat shall be employed below the foamed plastic (Item 5). The cellular concrete topping thickness, above the foamed plastic, shall be 2 in. min. When foamed plastic is not used, the min thickness of Roof-Topping Mixture, above the top of the steel deck, shall be 2-3/4 in.
Siplast Inc.—Mix #3.
The Mearl Corp.—Mix #3.
5. **Foamed Plastic***(Optional)—Foamed plastic insulation boards with holes and/or slots. Nom size 24 by 48 in. Thickness shall be 3/4 in. to 8 in.
Siplast Inc.
Vermiculite Products, Inc.
5A. **Foamed Plastic***—Nom 24 by 48 in., 48 by 48 in. or 30 by 60 in. by max 8 in. thick polystyrene foamed plastic insulation boards with holes symetrically placed having a max density of 2.0 pcf. For use only with cellular concrete roof topping mixture.
Starrfoam Manufacturing, Inc.
5B. **Foamed Plastic***(Optional)—Nom 24 x 48 by max 8 in. thick polystyrene foamed plastic insulation boards having a density of 2.5 pcf max. Each insulation board shall contain six nom 3 in. diam holes oriented in two rows of three holes each, with the holes spaced 12 in. OC transversely and 16 in. OC longitudinally.
See Foamed Plastic* (BRYX) category in the Building Materials Directory or **Foamed Plastic* (CCVW)** category in Fire Resistance Directory for list of Classified Companies.
6. **Wire Mesh**—No. 19 SWG galv steel wire twisted to form 2 in. hexagons. In addition, straight No. 16 SWG galv steel wire woven into mesh and spaced 3 in. apart for stiffness. Mesh installed without attachment perpendicular to supports and overlapped 6 in. at the sides. As an alternate, 4 by 8 in., No. 12/14 SWG or 2 by 2 in., No. 14/14 SWG welded wire fabric may be used. The wire mesh may be omitted for the **1 and 1-1/2 h Restrained Assembly and Beam Ratings** only. Thickness of vermiculite concrete between the top of the roof deck and the bottom of the foamed plastic insulation shall be 1/8 in. min when wire mesh is not used.
7. **Steel Roof Deck**—(Unclassified)—Noncomposite design, vented or nonvented units, 9/16 in., 15/16 in., 1-5/16 in., 1-1/2 or 2 in. deep galv units, nom 24 to 36 in. wide. When vented or nonvented 9/16 in. deep galv units are used, the **Restrained Assembly and Beam Ratings shall not exceed 1-1/2 h.** Welded to supports with 3/8 in. puddle welds through weld washers spaced 15 in. O. C. Adjacent units overlapped one corrugation. Max support spacings 8 ft O.C. unless otherwise noted for specific Classified units and their recommended loadings. Steel thickness to be No. 24 MSG min when supports are spaced not more than 8 ft 0. C., No. 26 MSG min when supports are spaced not more than 6 ft 0. C., and No. 28 MSG, 9/16 in. deep steel deck may be used when supports are spaced 4 ft. 0. C. Roof deck units to be loaded not more than 75 percent of their max allowable bending stress. For clear spans not more than 7 ft., 8-3/8 in. the **Unrestrained Assembly Rating is equal to the Restrained Assembly Rating.** Or, **Classified Steel Floor and Form Units*** conforming to the same installation, steel thickness, loading requirements and **Restrained Assembly Rating** as described for unclassified units.
BHP Steel Building Products USA Inc.—Types CP32, (1-3/8), B, Ventform and 2W. Two or three—10 ft—0 in. continuous spans may be used for Types B or 2W units, and 12 ft—0 in. simple or continuous spans may be used for Type N units, provided that the total loading on these spans is based on the allowable steel stress and the deflection limitation criteria using the steel (noncomposite) section properties of these units.
Bowman Metal Deck/Wheeling Corrugating Co. Div of Wheeling-Pittsburgh Steel Corp.—Nonvented Types B, FM-2, Stronfoam SF-3, SF-4, SF-5; vented Types B, FM-2, SV-3, SV-4, SV-5. Types SF-4/SV-4 units may be used for a max 10 ft, 0 in. spans. Types SF-5/SV-5 units made from 24 MSG steel may be used for a max 10 ft, 6 in. spans. Types SF-5/SV-5 units made from 22 ga or heavier steel may be used for max 12 ft, 0 in. spans.
Consolidated Systems, Inc.—Consoliform and Comvent Types EHD, HD, S, SD. -Media-Dek Type 1 (vented and nonvented) and Media-Dek Type 2, Type R.
Deck West, Inc.—36 in. wide Type B-DW, BA-DW or 3-DW. The Type 3-DW units made from 22 ga or heavier steel may be used for a maximum 10 ft., 0 in. spans, provided that the total loading on these spans is based on the allowable steel stresses and the deflection limitation criteria using the steel (noncomposite) section properties of these units.
Epic Metals Corp.—Type Metriform.
Marlyn Steel Decks, Inc.—Types B, BV, EF, EVF, F, HF, HVF, SF, SVF.
Robertson, H. H.—Type QL-3 or Sec. 3 with or without up-punched integral hanger tabs, and 3 in. QL-99. The 3 in. deep Type QL-99 units made from 22 ga or heavier steel may be used for max 10 ft, 0 in. spans, provided the total loading on these spans is based on the allowable steel stresses and the deflection limitation criteria using the steel (noncomposite) section properties of these units.
Roll Form Products, Inc.—"Permaform" Type H.
Roof Deck, Inc.—Vented or Nonvented Types EHD Multi-Rib, HD Multi-Rib, S Multi-Rib.
Toman Building Components Inc. —24, 30 or 36 in. wide, Types LXR-B; 30 in. wide, Types LXR-B-N-30 and LXR-B-N-30-I; 35 in. wide, Types LXR-B-35 and LXR-B-35-I.
United Steel Deck, Inc.—Types B, UFX, UFXV, UFX-36, UFXV-36.
Verco Manufacturing Inc.—Types B, 2"B, 2"B Ventlok, Vercor, Vercor-Ventlok, W-2, System 80 and N, two or three 10 ft 0 in. continuous spans may be used for the following units under the following conditions: (A) For Types B and W-2 units the total loading on these spans shall be based on the allowable steel stress or the deflection limitation criteria using the steel (noncomposite) section properties of these units. (B) For System 80 the min gauge of units is 18 MSG and use is limited to three continuous spans. (C) For 2"B and 2"B Ventlok the total loading on these spans shall be limited to 80 percent of the allowable steel bending stress, or the deflection limitation criteria.
Type N deck may be used on simple or continuous 12 ft 0 in. spans with the total loading on these spans limited by the allowable bending stress and/or the deflection limitation criteria.
Vulcraft, Div. of Nucor Corp.—Types 0.6C, 0.6CPR, 0.6CPRV, 0.6CSV, 1.0C, 1.0CSV, 1.3C, 1.3CSV, 1.5C, 2C, 3C, 1.5B, 1.5BI, 3N, 3NI. Type 1.5B units made from 21MSG or heavier steel may be used on simple or continuous 10 ft 0 in. spans with the total load on these spans limited by the allowable bending stress and/or the deflection criteria of this deck. Type 3N made from 22MSG or heavier steel may be used on simple or continuous 12 ft 0 in. spans with the total load on these spans limited by the allowable bending stress and/or the deflection criteria of this deck.
Wheeling Corrugating Co., Div of Wheeling-Pittsburgh Steel Corp.—Types B, BW, F, TF-50, TF-75, TF-125, TF-H3, TV-50, TV-75, TV-125, TV-H3,.Permaform Type H.
8. **Metal Lath**—(Optional)—Metal lath is used to facilitate the spray application of Spray-Applied Fire Resistive Materials on steel bar joists and trusses. The diamond mesh, 3/8 in. expanded steel lath, 1.7 to 3.4 lb per sq yd, is secured to one side of each steel joist with **No. 18** SWG galv steel wire at joist web and bottom chord members, spaced 15 in. OC max. When used, the metal lath is to be fully covered with Spray-Applied Fire Resistive Materials with no min thickness requirements.
8A. **Non-Metallic Fabric Mesh**—(Optional)—As an alternate to metal lath, glass fiber fabric mesh, weighing approximately 2.5 oz per sq yd, polypropylene fabric mesh, weighing approximately 1.25 oz per sq yd or equivalent, is used to facilitate the spray application. The mesh is secured to one side of each joist web member. The method of attaching the mesh must be sufficient to hold the mesh and the spray-applied Spray-Applied Fire Resistive Materials material in place during application until it has cured. An acceptable method to attach the mesh is by embedding the mesh in minimum 1/4 in. long beads of hot melted glue. The beads of glue shall be spaced a maximum of 12 in. O.C. along the top chord of the bar joist. Another method to secure the mesh is by 1-1/4 in. long by 1/2 in. wide hairpin clips formed from No. 18 SWG or heavier steel wire.
9. **Spray-Applied Fire Resistive Materials***—Applied by mixing with water and spraying in more than one coat to the final thickness shown below to joist or beam surfaces which are clean, free of dirt, loose scale and oil. A 1-3/4 in. thickness of Spray-Applied Fire Resistive Materials shall be applied to the bridging bars. Min avg and min ind density of 15/14 pcf respectively. For method of density determination refer to Design Information Section.

Restrained Assembly Rating, HR	Unrestrained Beam Rating, HR	Thickness (In.) Min Tkns on Beam W6x16	Min Tkns on Beam W8x10	Min Tkns on Joist (No. Lath)	Min Tkns on Joist (with Lath)
1	1	1	1-3/8	1-1/2+	1-1/2+
1-1/2	1-1/2	1-1/4	1-3/4	2-1/4	1-3/4
2	1-1/2	1-3/8	1-7/8	2-1/4	1-3/4
2	2	1-5/8	2-1/4	2-7/16	1-7/8

Construction Products Div., W. R. Grace & Co. of Canada Ltd.—Type MK-5.
Grace Construction Products—Types MK-4, MK-5, MK-6/HY, MK-6S, 6G
Grace Korea Inc.—Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6S
Pyrok Inc.—Type LD.
Southwest Vermiculite Co., Inc.—Types 4, 5, 5EF, 5GP, 5MD, 8EF, 8GP, 8MD, 9EF, 9GP, 9MD.
Vermiculite Prods., Inc.—Types MK-5, VP5.
+For 1 Hr ratings, the min joist size shall be 14J7.
9A. **Spray-Applied Fire Resistive Materials***—(Not Shown) —In lieu of Item 9 the following Spray-Applied Fire Resistive Materials may be applied by mixing with water and spraying in multiple coats to final thicknesses shown below. Min avg and min ind density 19/18 pcf respectively for Types 7GP, 105. Min avg and min ind density of 22/19 pcf respectively for Types KM-601, Z-106. For method of density determination, refer to Design Information Section, Sprayed Material.

Restrained Assembly Rating, Hr.	Unrestrained Beam Rating, Hr.	Min Tkns on Beam, in W6X16	W8X10
1	1	1-1/16	1-1/2
1-1/2	1-1/2	1-3/8	1-15/16
2	1-1/2	1-1/2	2-1/16
2	2	1-13/16	2-9/16

Grace Construction Products—Types 105, KM-601, Z-106.
Grace Korea Inc.—Type Z-106.
Southwest Vermiculite Co., Inc.—Type 7GP.
9B. **Spray-Applied Fire Resistive Materials***—(Not Shown) —In lieu of Item 9 or 9A the following Spray-Applied Fire Resistive Materials may be applied by mixing with water and spraying in multiple coats to final thicknesses shown below. Min avg and min ind density 40/36 pcf respectively. For method of density determination, refer to Design Information Section, Sprayed Material.

Restrained Assembly Rating, Hr.	Unrestrained Beam Rating, Hr.	Min Tkns on Beam, in W6X16	W8X10
1	1	1-1/16	1-1/2
1-1/2	1-1/2	1-3/8	1-15/16
2	1-1/2	1-1/2	2-1/16
2	2	1-13/16	2-9/16

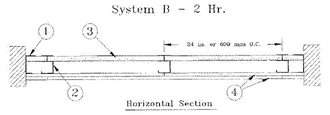
05 UL DESIGN NO. P921
12" = 1'-0"

Design No. U415

April 24, 2019

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. Floor, Side and Ceiling Runners — "J" - shaped runner, min 2-1/2 in. deep (min 4 in. deep when System C is used), with unequal legs of 1 in. and 2 in., fabricated from min 24 MSG (min 20 MSG when Item 4A, 4B, 4C, 4D or 7 are used) galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC. "E" - shaped studs (Item 2A) may be used as side runners in place of "J" - shaped runners.

2. Steel Studs — "C-H" - shaped studs, min 2-1/2 in. deep (min 4 in. deep when System C is used), fabricated from min 25 MSG (min 20 MSG when Items 2D, 4A, 4B, 4C, 4D or 7 is used) galv steel. Cut to lengths 3/8 to 1/2 in. less than floor-to-ceiling height and spaced 24 in. or 600 mm OC (max 16 in. OC when Items 4A, 4B, 4C, or 4D are used).

2A. Steel Studs — (Not Shown) — "E" - shaped studs installed back to back in place of "C-H" - shaped studs (Item 2) "E" - shaped studs secured together with steel screws spaced a maximum 12 in. OC. Fabricated from min 25 MSG (min 20 MSG when Item 2D, 4A, 4B or 7 is used) galv steel, min 2-1/2 in. deep (min 4 in. deep when System C is used), with one leg 1 in. long and two legs 3/4 in. long. Shorter legs 1 in. apart to engage gypsum liner panels. Cut to lengths 3/8 to 1/2 in. less than floor to ceiling heights.

2B. Furring Channels — (Optional, Not Shown) — For use with single or double layer systems. Resilient furring channels fabricated from min 25MSG corrosion protected steel, installed horizontally, and spaced vertically a max 24 in. OC. Flange portion of channel attached to each intersecting "C-H" or "E" stud on side of stud opposite the 1 in. liner panels with 1/2 in. long Type S or S-12 pan-head steel screws. When furring channels are used, wallboard to be installed vertically only. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B) or cementitious backer units (Item 7).

2C. Furring Channels — For use with System I - "Hat" - shaped, 25 MSG galv steel furring channels attached directly over the inner layers of wallboard to each stud with 2 in. long Type S pan head steel screws. Screws alternate from top flange to bottom flange at each stud intersection. Furring channels spaced vertically max 24 in. OC.

2D. Steel Framing Members* — (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B) or cementitious backer units (Item 7):

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 4.
b. **Steel Framing Members* —** Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC., and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.

PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75)

2E. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below. . Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B), Type X-Ray Shielded Gypsum (Item 4C), Type RPP-Lead Lined Drywall (Item 4F) or cementitious backer units (Item 7).

a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.Gypsum board attached to furring channels as described in Item 4.
b. **Steel Framing Members* —** Used to attach furring channels (Item 2Ea) to studs. Clips spaced 24 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

2F. Steel Framing Members* — (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B) or cementitious backer units (Item 7):

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 4.
b. **Steel Framing Members* —** Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.

PLITEQ INC — Type GENIECLIP

2G. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B), Type X-Ray Shielded Gypsum (Item 4C), Type RPP-Lead Lined Drywall (Item 4F) or cementitious backer units (Item 7):

a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 2Gb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.
b. **Steel Framing Members* —** Used to attach furring channels (Item 2Ga) to studs. Clips spaced 24 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

REGUPOL AMERICA — Type SonusClip

2H. Steel Framing Members* — (Optional, Not Shown) — Resilient channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B), Type X-Ray Shielded Gypsum (Item 4C), Type RPP-Lead Lined Drywall (Item 4F) or cementitious backer units (Item 7):

a. **Resilient Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 4.
b. **Steel Framing Members* —** Used to attach resilient channels (Item 2Ha) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.

KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

5. Joint Tape and Compound — (Not Shown)

Systems A, B, C, E, F, G, H, I

Joints on outer layers of gypsum boards (Item 4 and 4A) covered with paper tape and joint compound. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges. Exposed screw heads covered with joint compound.

6. Batts and Blankets* —

Systems A, B, E, F, G, H, I

(Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt mineral bearing the UL Classification Marking as to Fire Resistance.

System A With Type ULIX Gypsum Boards

Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

Systems C & D

Min 3 in. (System C) and min 1-1/2 in. (System D) thick mineral wool batts, friction fitted between the studs and floor and ceiling runners.

ROCKWOOL — Type AFB

THERMAFIBER INC — Type SAFB, SAFB FF

7. Cementitious Backer Units* — (System D) — Nom 1/2 or 5/8 in. thick panels, square edge, attached to studs over gypsum wallboard with 1-5/8 in. long, Type S-12, corrosion resistant steel screws spaced 8 in. OC and staggered 8 in. from gypsum wall board screws. Joints covered with glass fiber mesh tape. Vertical joints staggered one stud cavity from gypsum wallboard joints. Horizontal joints staggered a min of 12 in. from the gypsum wallboard joints.

UNITED STATES GYPSUM CO — Type DCB

8. Laminating Adhesive* — (Optional, Not Shown) — Used to bond outer layer of Cementitious Backer Units (Item 7) to inner layers of Gypsum Board (Item 4) in System D. ANSI A136.1 Type 1 organic adhesive applied with 1/4 in. square notched trowel. See Adhesives (BYWR) in the Fire Resistance Directory or Adhesives (BJLZ) in the Building Materials Directory for names of Classified companies.

9. Lead Batten Strips — (Not Shown, For Use With Item 4A) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4A) and optional at remaining stud locations. Required behind vertical joints.

9A. Lead Batten Strips — (Not Shown, for use with Item 4C) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". . Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 6) and optional at remaining stud locations.

10. Lead Discs or Tabs — (Not Shown, For Use With Item 4A) — Used in lieu of or in addition to the lead batten strips (Item 9) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 4A) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

10A. Lead Discs — (Not Shown, for use with Item 4C) — Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".

11. Lead Batten Strips — (Not Shown, For Use With Item 4B) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4B) and optional at remaining stud locations.

12. Lead Tabs — (Not Shown, For Use With Item 4B) — 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 4B) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

03 UL ASSEMBLY - U415
3" = 1'-0"

PBK
ARCHITECT PBK Architects, Inc.
PBK.com
DALLAS
14001 Dallas Parkway, Suite 400
Dallas, TX 75240
972-233-1323 P
972-233-1373 F
TX Firm: BR-1608
CIVIL
Simon Engineering & Consulting, Inc.
214-361-7933
STRUCTURAL
Charles Dolar and Associates, Inc.
214-340-1199
MEP
MEP/FP
214-217-8100
TECHNOLOGY
LEVY PIONEERS
972-233-1323
ACOUSTIX
Acoustix
214-394-7000
BUILDING ENVELOPE
BECK
972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

FIRE RATED ASSEMBLIES

G-030

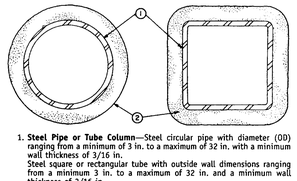
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0"
1"

Design No. X771

Ratings—3/4, 1, 1-1/2, 2, 3 and 4 h



1. **Steel Pipe or Tube Column**—Steel circular pipe with diameter (OD) ranging from a minimum of 3 in. to a maximum of 32 in. with a minimum wall thickness of 3/16 in.
Steel square or rectangular tube with outside wall dimensions ranging from a minimum 3 in. to a maximum of 32 in. and a minimum wall thickness of 3/16 in.
The A/P ratio of the steel pipe or tube (see Item 2) shall range from 0.18 to 2.0.
2. **Spray-Applied Fire Resistive Materials*** —Applied by mixing with water and spraying in one or more coats to steel surfaces which must be clean and free of dirt, loose scale and oil. Min avg and ind density of 15/14 pcf respectively. For method of density determination, see Design Information Section, preceding these designs.
The hourly rating of the structural member is dependent upon the ratio of A/P and the thickness of Spray-Applied Fire Resistive Materials, where A is the cross sectional area of the pipe or tube and P is the heated perimeter.
The A/P ratio of a circular pipe is determined by:

$$\text{A/P pipe} = \frac{t(d-t)}{d}$$

Where:
d is the outer diameter of the pipe (in.)
t is the wall thickness of the pipe (in.)
The A/P ratio of a rectangular or square tube is determined by:

$$\text{A/P tube} = \frac{t(a+b-2t)}{a+b}$$

Where:
a is the outer width of the tube (in.)
b is the outer length of the tube (in.)
t is the wall thickness of the tube (in.)
The thickness of Spray-Applied Fire Resistive Materials for ratings of 3/4, 1, 1-1/2, 2, 3 and 4 h of a steel pipe or tube can be determined by the equation:

$$h = \frac{R - 0.20}{4.43\ (A/P)}$$

Where:
R is the hourly rating (hrs).
h is the thickness of Spray-Applied Fire Resistive Materials, minimum 1/4 in., maximum 3-7/8 in.

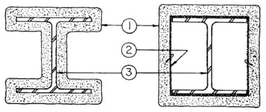
Construction Products Div. W. R. Grace & Co. of Canada Ltd.—Types MK-4, MK-5.
Grace Construction Products—Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, RG.
Grace Korea Inc.—Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s.
Pyrok Inc.—Type LD.
Southwest Vermiculite Co., Inc.—Types 4, 5, 5EF, 5GP, 5MD, 8EF, 8GP, 8MD, 9EF, 9GP, 9MD.
Vermiculite Prods. Inc.—Types MK-4, MK-5.

*Bearing the UL Classification Marking

20 UL DESIGN NO. X771
12" = 1'-0"

Design No. X772

Ratings—1, 1-1/2, 2, 3 and 4 h.



1. **Spray-Applied Fire Resistive Materials***—Applied by mixing with water and spraying in more than one coat to the thicknesses shown below, to steel surfaces which are clean and free of dirt, loose scale, and oil. Min avg and min ind density of 15/14 pcf respectively. For method of density determination, see Design Information Section, Sprayed Material.
The thickness of Spray-Applied Fire Resistive Materials to be applied to all surfaces of the column (Item 1) required for rating periods of 1 h, 1-1/2 h, 2 h, 3 h, 4 h may be determined by the equation:

$$h = \frac{R}{1.05\ (W/D) + 0.61}$$

Where:
h = Spray-Applied Fire Resistive Materials thickness in the range 0.25-3.875 in.
R = Fire resistance rating in hours (1 - 4 h)
D = Heated perimeter of steel column in inches
W = Weight of steel column in lbs per foot
W/D = 0.33 to 6.62

As an alternate to the equation, the minimum thickness of Spray-Applied Fire Resistive Materials required for various fire resistance ratings of contour sprayed or boxed columns may be determined from the table below:

Min Column Size	W/D	Min Thk (in) 1 h	1-1/2 h	2 h	3 h	4 h
W6X9	0.33	1-1/8	1-1/2	2	2-1/2	3-1/8
W6x16	0.57	13/16	1-1/4	1-11/16	2-1/2	3-5/16
W8x28	0.67	3/4	1-3/16	1-3/8	2	2-11/16
W10x49	0.83	11/16	7/8	1-1/8	1-11/16	2-1/2
W14x228	2.49	5/16	1/2	9/16	7/8	1-1/4
W14x730	6.62	5/16	5/16	5/16	1/2	9/16

The thicknesses contained in the table below are applicable when the Spray-Applied Fire Resistive Materials applied to columns' flange tips are reduced to one-half that shown in the table below:

Min Column Size	W/D	Min Thk (in) 1 h	1-1/2 h	2 h	3 h	4 h
W6x9	0.33	1-1/8	1-5/8	2-1/16	2-15/16	3-13/16
W6x16	0.57	7/8	1-5/16	1-3/4	2-9/16	3-3/8
W8x28	0.67	13/16	1-3/16	1-1/2	2-1/4	2-15/16
W10x49	0.83	3/4	1-1/16	1-3/8	2-1/16	2-3/4
W14x233	2.49	5/16	1/2	11/16	1-3/16	1-5/8
W14x730	6.62	5/16	5/16	5/16	9/16	3/4

Construction Products Div., W. R. Grace & Co. of Canada Ltd.—Types MK-4 or MK-5.
Grace Construction Products—Types MK-4, MK-5, MK-6/HY, MK-6s, RG.
Grace Korea Inc.—Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s.
Pyrok Inc.—Type LD.
Southwest Vermiculite Co., Inc.—Types 4, 5, 5EF, 5GP, 5MD, 8EF, 8GP, 8MD, 9EF, 9GP, 9MD.
Vermiculite Products, Inc.—Type MK-4 or MK-5.

2. **Metal Lath**—(Optional for contour application)—3.4 lb/sq yd galvanized or painted expanded steel lath. Lath shall be lapped 1 in. and tied together with No. 18 SWG galvanized steel; wire spaced vertically 6 in. O.C.
3. **Steel Column**—Wide flange steel column, min sizes as shown in the tables below.

*Bearing the UL Classification Marking

19 UL DESIGN NO. X772
12" = 1'-0"

Design No. D780

April 14, 2017

Restrained Assembly Rating — 1, 1-1/2, 2 or 3 h

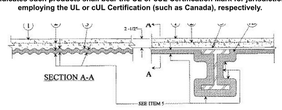
Unrestrained Assembly Rating — 1, 1-1/2, 2 or 3 h (See Item 5)

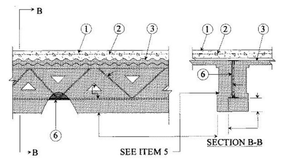
Unrestrained Beam Ratings — 1, 1-1/2, 2 or 3 h (See Item 5)

Restricted Load Condition — See Items 4 and 5B

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**





1. **Normal Weight or Lightweight Aggregate Concrete —** Normal weight carbonate or siliceous aggregate concrete, 150 plus over minus 3 pcf unit weight, 3500 psi compressive strength, vibrated. Lightweight concrete, expanded shale, clay, or slate aggregate by rotary-kiln method, 110 plus over minus 3 pcf unit weight, 3500 psi compressive strength, 4 to 7 percent entrapped air.

2. **Welded Wire Fabric —** 6 x 6 — W2.0 X W2.0

3. **Steel Floor and Form Units —** No. 28 MSG galv corrugated sheet steel minimum. The description and sizes of the corrugated sheet steel units and the max beam spacing are as follows:

Steel Deck Unit In.	Nom Pitch In.	Sheet Steel Gauge MSG	Max Beam Spacing
9/16	2-1/2	28	3 ft, 6 in. O.C.
15/16	3-3/4	26	5 ft, 0 in. O.C.
1-5/16	5	26	6 ft, 6 in. O.C.
1-5/16	5	24	7 ft, 0 in. O.C.
1-5/16	5	22	7 ft, 6 in. O.C.
1-5/16	5	20	8 ft, 0 in. O.C.

Units welded to each steel beam, 36 welds per 100 sq ft of form units with at least one weld at each side joint. Welding of deck side joint between beams for deck spans ranging between 3 ft, 6 in. and 6 ft, 6 in. O.C. shall be at least two welds of each side joint. Welding of side joints for spans greater than 6 ft, 6 in. O.C. shall be a minimum of three welds of each side joint.

Any Manufacturer — Corrugated deck having cross-section similar to above description.

3A. **Steel Floor and Form Units —** As an alternate to Item 3, Composite 1-1/2, 2, or 3 in. deep galv fluted units. Min gauge is No. 22 MSG. Spacing of welds attaching units to supports shall be at each side of joint and not to exceed 12 in. OC between joints. Adjacent units button punched or welded together 36 in. OC at joints.
CANAM STEEL CORP — 36 in. wide Type P-3623, P-3606 and P-3615 composite; 24 in. wide Type P-2432 composite.

CANAM STEEL CORP — Types B, B Lok, N Lok, 1-1/2, 2 and 3 in. Lok Floor, UFS and UFX. Units may be phos/painted or painted/painted.

VERCO DECKING INC - A NUCOR CO — Types PLB, HSB, PLN3, HSN3, PLN, N, and FORMLOK™ deck types PLB, B, BR, PLN3, N3, PLN, N, PLW2, W2, PLW3, W3. Units are min 24 in. wide and may be galvanized or phos./ptd.

VULCRAFT, DIV OF NUCOR CORP — 24, 30 and 36 in. wide Type 1.5VLI; 24 or 36 in. wide Types 2VLI, 3VLI. Types 1-SLVI, 2VLI, and 3VLI units may be phos/ptd. Type BW Slotted Deck.

4. **Steel Joists —** 10K1 or 16K2 min size with a max tensile stress of 30,000 psi or 12K3 min size with max tensile stress of 24,000 psi.

4A. As an alternate to Item 4, LH Series joists spanning no greater than 60 ft. For spans greater than 60 ft, deflection under the published total load shall not be greater than 1/277 of the joist span.

4B. **Composite Joists —** (Not shown) — As an alternate to Items 4 and 4A, steel joists designed for full composite action with the concrete slab. Min overall depth 13 in. Min area of joist members shall be 0.708 square in. for top and bottom chord angles and 0.442 square in. for web. Designed in accordance with SJI Specifications for K-Series joists as revised to November 18, 1989.

4C. **Structural Steel Members* —** (Not shown) — As an alternate to Items 4, 4A and 4B — (Not shown) — Composite joists with top chord embedded in concrete slab. Welded to end supports. Min area of joist members shall be 0.708 square in. for top and bottom chord angles and 0.442 square in. for web.
VESCOM STRUCTURAL SYSTEMS INC — Type V.

4D. **Steel Beams —** W8x28 min size. As an alternate to steel joists, Items 4, 4A, 4B and 4C.

4E. **Horizontal Bridging —** (Not shown) — Min 1-1/4 by 1-1/4 by 1/8 in. thick steel angles for use with noncomposite joists (Item 4). Number and spacing per Steel Joist Institute specifications. Welded to top and bottom chord of the joists. Min thickness of Spray-Applied Fire Resistive Materials on bridging angles is 1-1/2 in.

5. **Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in no more than one coat to a final thickness as shown below to steel surfaces which must be free of dirt, loose scale and oil. Min avg and min ind density of 15/14 pcf, respectively. For method of density determination, see Design Information Section, Sprayed Materials.

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	on Deck	on Beam
1	1	1	3/8	7/16
1-1/2	1	1	1/2	7/16
1-1/2	1-1/2	1-1/2	1/2	3/4
2	1	1	1/2	7/16
2	2	2	5/8	1
3	1-1/2	1-1/2	1/2	3/4
3	3	3	7/8	1-5/16

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	LH Joist	Joist Thickness 10K1 more than 4 ft OC	10K1 less than 4 ft OC	16K2 more than 4 ft OC	16K2 less than 4 ft OC
1	1	1	1-1/8	1-1/8	15/16	15/16	15/16
1-1/2	1	1	1-5/16	1-5/16	1-5/16	1-1/4	1-3/16
1-1/2	1-1/2	1-1/2	1-1/2	1-5/8	1-7/16	1-1/4	1-3/16
2	1	1	1-7/16	1-7/16	1-7/16	1-9/16	1-1/2
2	2	2	1-1/2	2-3/16	1-15/16	1-9/16	1-1/2
3	1-1/2	1-1/2	1-1/2	3-1/4	2-13/16	2-1/4	2-1/8
3	3	3	3-1/4	3-1/4	2-13/16	2-1/4	2-1/8

ARABIAN VERMICULITE INDUSTRIES — Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6/HY Extended Set, MK-10 HB, MK-10 HB Extended Set, MK-6/HB, MK-6s.

GCP APPLIED TECHNOLOGIES INC — Types MK-6 GF, MK-6/HY, MK-6/HY Extended Set, MK-10 HB, MK-10 HB Extended Set, MK-6/HB, MK-6s, RG .

GCP KOREA INC — Types MK-6/CBF, MK-6/ED, MK-6 GF, MK-6/HY, MK-6/HY Extended Set, MK-10 HB, MK-10 HB Extended Set, MK-6/HB, MK-6s.

5A. **Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in more than one coat to a final thickness as shown below to steel surfaces which must be free of dirt, loose scale and oil. When steel deck is used, the area between the steel deck and the beams top flange shall be filled. Min avg and min ind density of 22/19 pcf, respectively for Types Z-106, Z-106/HY and Z-106/G . Min avg and min ind density of 40/36 pcf, respectively for Z-146. Application to steel deck requires the installation of expanded metal lath with Type Z-146 . See Item 6B. For method of density determination, see Design Information Section, sprayed materials.

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	on Deck	on Beam
1	1	1	7/16	7/16
1-1/2	1	1	9/16	7/16
1-1/2	1-1/2	1-1/2	9/16	3/4
2	1	1	9/16	7/16
2	2	2	5/8	1
3	1-1/2	1-1/2	9/16	3/4
3	3	3	3/4	1-5/16

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Joist Thickness 10K1 more than 4 ft OC	10K1 less than 4 ft OC
1	1	1	1-1/8	15/16
1-1/2	1	1	1-5/16	1-5/16
1-1/2	1-1/2	1-1/2	1-5/8	1-7/16
2	1	1	1-7/16	1-7/16
2	2	2	2-3/16	1-15/16
3	1-1/2	1-1/2	3-1/4	2-13/16
3	3	3	3-1/4	2-13/16

ARABIAN VERMICULITE INDUSTRIES — Types Z-106, Z-106/G, Z-106/HY, Z-146 investigated for exterior use.

GCP APPLIED TECHNOLOGIES INC — Types Z-106, Z-106/G, Z-106/HY, Z-146 investigated for exterior use.

GCP KOREA INC — Types Z-106, Z-106/G, Z-106/HY, Z-146 investigated for exterior use.

5B. **Alternate Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in more than one coat to final thicknesses as shown in the illustration above and in the table below to steel surfaces which must be clean and free of dirt, loose scale and oil. For minimum and maximum density of: Types MK-6/CBF, MK-6/ED, MK-6 GF, MK-6/HY, MK-6/HY Extended Set, MK-6/HB, MK-6s see item 5; Z-106, Z-106/G, Z-106/HY, Z-146 see Item 5A.

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Joist thickness 12K3** more than 4 ft OC	12K3** less than 4 ft OC
1	1	1	15/16	15/16
1-1/2	1-1/2	1-1/2	1-1/4	1-3/16
2	2	2	1-9/16	1-1/2
3	3	3	2-1/4	2-1/8

**Design load shall stress the 12K3 joist to a maximum tensile strength of 24,000 psi, which represents 80% of the maximum allowable design loading. Based on the Steel Joist Institute (SJI) Publication, "Catalog of Standard Specifications and Load Tables for Steel Joists and Joist Girders" for guidance on how to increase the design loading accordingly.

ARABIAN VERMICULITE INDUSTRIES — Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6/HY Extended Set, MK-10 HB, MK-10 HB Extended Set, MK-6/HB, MK-6s, Z-106, Z-106/G, Z-106/HY, Z-146 investigated for exterior use.

GCP APPLIED TECHNOLOGIES INC — Types MK-6 GF, MK-6/HY, MK-6/HY Extended Set, MK-10 HB, MK-10 HB Extended Set, MK-6/HB, MK-6s, RG, Z-106, Z-106/G, Z-106/HY, Z-146 investigated for exterior use.

GCP KOREA INC — Types MK-6/CBF, MK-6/ED, MK-6 GF, MK-6/HY, MK-6/HY Extended Set, MK-10 HB, MK-10 HB Extended Set, MK-6/HB, MK-6s, Z-106, Z-106/G, Z-106/HY, Z-146 investigated for exterior use.

6. **Metal Lath —** (Optional) — Metal lath may be used to facilitate the spray application of spray-applied resistive materials to steel bar joists and trusses. The diamond mesh, 3/8 in. expanded steel lath, 1.7 to 3.4 lb per sq yd is secured to one side of each steel joist with No. 18 SWG galv steel wire at joist web and bottom chord members, spaced 15 in. OC max. When used, the metal lath is to be fully covered with spray-applied resistive materials with no min thickness requirement.

6A. **Nonmetallic Fabric Mesh —** (Optional, not shown) — Glass fiber mesh weighing approx 1.25 oz per sq yd, polypropylene fabric mesh, weighing approx 1.25 oz per sq yd or equivalent, may be used to facilitate the spray application. The mesh is secured to one side of each joist web member. The method of attaching the mesh must be sufficient to hold the mesh and the spray-applied resistive materials in place during application until it has cured. An acceptable method to attach the mesh is by embedding the mesh in min 1/4 in. long beads of hot melted glue. The beads of glue shall be spaced a max of 12 in. OC along the top chord of the bar joist. Another method to secure the mesh is by 1-1/4 in. long by 1/2 in. wide hairpin clips formed from No. 18 SWG or heavier steel wire.

6B. **Metal Lath —** (Not shown)— (Required with Z-146, Sonophone 35, and Monokote Acoustic 35, otherwise optional) — Metal lath shall be 3/8 in. expanded diamond mesh, weighing 2.5 lb per sq yd. Secured to underside of steel deck with No. 12 by 3/8 in. pan head self-drilling, self-tapping screws and steel washers with an outside diam of 1/2 in. screws spaced 12 in. OC in both directions with lath edges overlapped approx 3 in.

7. **Shear Connector — Studs — Optional —** (Not shown) — Studs 3/4 in. diameter by 3 in. long headed type or equivalent per AISC specifications. Welded to the top flange of beam through the steel form units.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2017-04-14

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

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04 UL DESIGN NO. D780
12" = 1'-0"

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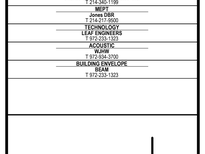
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Dallas, TX 75240
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TX Firm: BR 1608
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RWA
T 972-994-3700
BUILDING ENVELOPE
BEAN
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232
ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
REGISTERED ARCHITECT DANIEL S BERRY 25370 STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD
DATE 2024.08.25
PROJECT NUMBER 230050
DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT
BUILDING NUMBER

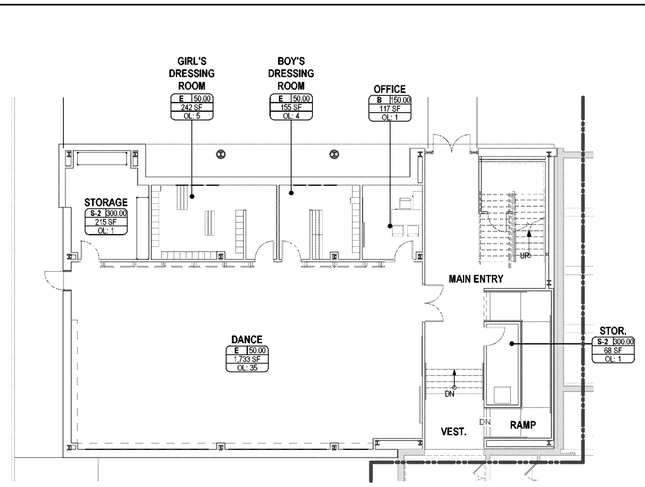
FIRE RATED ASSEMBLIES

G-031

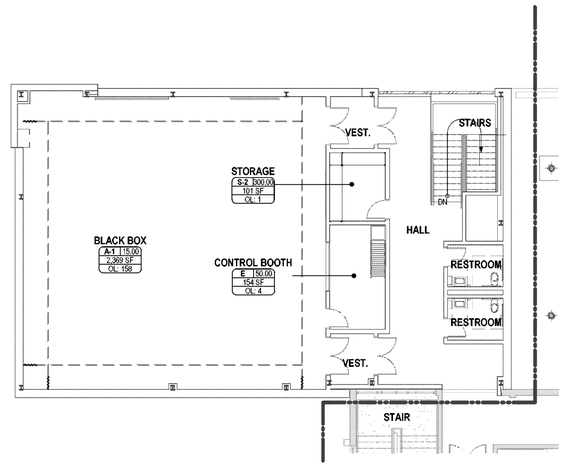
1ST LEVEL - CODE COMPLIANCE PLAN

G-101A

FOR BLUEBEAM LABELING/OCR:



30 LEVEL 1 BLACK BOX - CODE COMPLIANCE PLAN
1" = 10'-0"



28 LEVEL 2 BLACK BOX - CODE COMPLIANCE PLAN
1" = 10'-0"



06 FIRST LEVEL - CODE COMPLIANCE PLAN
1/32" = 1'-0"

PROJECT GENERAL INFORMATION

NAME OF PROJECT:	DAVID W. CARTER HIGH SCHOOL INTERIOR RENOVATIONS AND ADDITIONS
BUILDING / FACILITY NAME:	DAVID W. CARTER HIGH SCHOOL
LOCATION (ADDRESS):	1819 W. WHEATLAND RD.
STATE, ZIP CODE:	DALLAS, TEXAS 75232
DESCRIPTION OF PROJECT:	BLACK BOX ADDITION TO EXISTING HIGHSCHOOL. MINOR INTERIOR RENOVATION
AUTHORITY HAVING JURISDICTION:	CITY OF DALLAS
APPLICABLE BUILDING CODE:	2021 INTERNATIONAL BUILDING CODE (WITH AMENDMENTS) 2021 INTERNATIONAL FIRE CODE (WITH AMENDMENTS) 2021 INTERNATIONAL MECHANICAL CODE (WITH AMENDMENTS) 2021 INTERNATIONAL PLUMBING CODE (WITH AMENDMENTS) 2020 INTERNATIONAL ELECTRICAL CODE (WITH AMENDMENTS)
APPLICABLE ENERGY CODE:	2021 INTERNATIONAL ENERGY CONSERVATION CODE (WITH AMENDMENTS)
ACCESSIBILITY:	2012 TAS / 2010 ADA STANDARDS
CONSTRUCTION TYPE:	II-A
CONSTRUCTION TYPE MIX:	-
OCCUPANCY CLASSIFICATION:	E
OVERALL USE OF BUILDING:	EDUCATION
HIGH RISE BUILDING:	NO
AUTOMATIC FIRE SPRINKLER SYSTEM:	YES
STANDPIPE SYSTEM:	NO
MINIMUM CORRIDOR WIDTH (RE. IBC):	72"
GROSS BUILDING SQ FT:	314,245 SQ FT.
TEA OCCUPANT LOAD:	1800 OCCUPANTS

ALLOWABLE HEIGHTS AND AREAS - MIXED OCCUPANCY

	1st Occupancy Info	2nd Occupancy Info	3rd Occupancy Info	Provided
Occupancy Classification	E	A	B	-
Allowable Height in Feet	75'	75'	75'	39'
Allowable Height Stories	3	3	4	3
Non-Sprinklered Allowable Area (SF)	14500	9,500	23,000	-
Tabular Allowable Area (SF)	43,500	28,500	69,000	-
Frontage Increase (.75)	0.75	0.75	0.75	-
Total Allowable Area per Story (SF)	54,375	35,625	86,250	4,061
Maximum Common Path (With or Without Sprinkler)	75'-0"	75'-0"	100'-0"	75'-0"
Maximum Exit Access Travel Distance (With or Without Sprinkler)	250'-0"	250'-0"	300'-0"	235'-0"
Corridor Fire Resistance Rating	0hr.	0hr.	0hr.	0hr.

OCCUPANCY AND EGRESS

	Number of Occupants	Exits		Egress Door Width (in.)		Egress Stair Width (in.)	
		Single Exit Maximum Occupant Load: 49		Means of Egress Capacity Factor: 0.2 in.		Stairway Means of Egress Capacity Factor: 0.3in.	
		Required	Provided	Required	Provided	Required	Provided
BLACK BOX LEVEL 1	47	1	33	10"	1965.5"	15"	612"
MAIN BUILDING LEVEL 1 & BLACK BOX LEVEL 2	1583	4	8	317"	512"	475"	668"
MAIN BUILDING LEVEL 2	359	2	8	72"	512"	108"	608"

EXISTING OCCUPANCY TO REMAIN. OCCUPANCY COUNTS BASED OFF OF IBC 2021

PLUMBING / FIXTURE COUNTS LEVEL 1 & 2

		Water Closets + Urinals		Lavatories		Drinking Fountains		Bathtubs/Showers		Service Sinks	
Occupancy Type:A-1	Occupants	Required	Provided	Required	Provided	Required	Provided	Required	Provided	Required	Provided
Total Occupants:	1,888	-	-	-	-	4	37	-	0	1	1
Total Female Occupants:	949	15	47	5	33	-	-	-	-	-	-
Total Male Occupants:	949	8	40	5	30	-	-	-	-	-	-
Unisex Assisted Use:	-	0	6	0	6	-	-	-	-	-	-

OCCUPANCY COUNTS BASED OFF OF IBC 2021

PLUMBING / FIXTURE COUNTS LEVEL 1 & 2

		Water Closets + Urinals		Lavatories		Drinking Fountains		Bathtubs/Showers		Service Sinks	
Occupancy Type:E	Occupants	Required	Provided	Required	Provided	Required	Provided	Required	Provided	Required	Provided
Total Occupants:	1,800	-	-	-	-	18	37	-	0	1	1
Total Female Occupants:	900	18	47	18	33	-	-	-	-	-	-
Total Male Occupants:	900	18	40	18	30	-	-	-	-	-	-
Unisex Assisted Use:	-	0	6	0	6	-	-	-	-	-	-

OCCUPANCY COUNTS BASED OFF OF TEA

FIRE RESISTANCE RATING REQUIREMENTS

CONSTRUCTION TYPE II-A

PRIMARY STRUCTURE: 1HR
BEARING WALLS
EXTERIOR: 1HR
INTERIOR: 1HR
NONBEARING WALLS AND PARTITIONS
EXTERIOR: 0HR
INTERIOR: 0HR
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY STRUCTURAL MEMBERS: 1HR
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY STRUCTURAL MEMBERS: 1HR

FIRE-RATED ASSEMBLIES

ROOF ASSEMBLY	UL P921
FLOOR ASSEMBLY	UL D780
WIDE FLANGE STEEL COLUMNS	UL X772
TUBE STEEL COLUMNS	UL X771
STUD FRAMED WALL	UL U465
STUD FRAMED SHAFTWALL	UL U415
CMU WALL	UL U905

1. UL ASSEMBLIES INDICATED ESTABLISH A BASIS OF PERFORMANCE. OTHER ASSEMBLIES MAY BE CONSIDERED AT THE DISCRETION OF THE ARCH. IF EQUIVALENT PERFORMANCE IS PROVIDED. SUBSTITUTION PROPOSALS SHALL INCLUDE CHANGES REQUIRED TO ALL COMPONENTS OF THE ASSEMBLY.

2. PROTECT ALL CONDUIT, PIPES, DUCTS, AND MISC. PENETRATIONS THROUGH FIRE-RATED WALLS, FLOOR, AND OR ROOF ASSEMBLIES WITH FIRE SAFING INSULATION AND FIRE STOP SEALANT. REFER TO GUIDELINES FOR APPROPRIATE ASSEMBLIES.

3. PROVIDE DAMPERS AND OR LIGHT FIXTURE PROTECTION AS REQUIRED BY UL ASSEMBLIES.

4. PROVIDE SPRAY-ON FIREPROOFING PROTECTION FOR STRUCTURAL MEMBERS CROSSING FROM A FIRE-RATED ROOF ASSEMBLY AND OR A FIRE-RATED FLOOR ASSEMBLY INTO OTHER AREAS WITH ANY OTHER FIRE-RATED ASSEMBLY OR NO FIRE-RATED ASSEMBLY, FOR THEIR FULL LENGTH.

5. PERMANENTLY MARK ALL WALLS ABOVE CEILINGS AS FOLLOWS:
"FIRE-RATED WALL - PROTECT ALL OPENINGS"
LETTERS SHALL BE RED IN COLOR AND A MINIMUM OF 2 1/2 INCHES IN HEIGHT. PROVIDE A MINIMUM OF ONE MARKING PER STRUCTURAL BAY.

6. PERMANENTLY MARK SMOKE PARTITIONS ABOVE CEILINGS AS FOLLOWS:
"SMOKE PARTITION - PROTECT ALL OPENINGS"
LETTERS SHALL BE RED IN COLOR AND A MINIMUM OF 2 1/2 INCHES IN HEIGHT. PROVIDE A MINIMUM OF ONE MARKING PER STRUCTURAL BAY.

FIRE-RATED FLOOR AND CEILING LEGEND

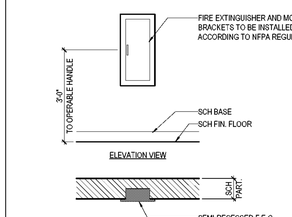
2 HOUR RATED UL FLOOR/ CEILING ASSEMBLY

1 HOUR RATED UL FLOOR/ CEILING ASSEMBLY

NOT RATED STRUCTURE HIGHER THAN 29' A.F.F.

CODE COMPLIANCE SYMBOLS

1-HOUR FIRE RATING
2-HOUR FIRE RATING
3-HOUR FIRE RATING
0-HOUR SMOKE RATING
1-HOUR SMOKE RATING
EGRESS TRAVEL PATH
EGRESS COMMON TRAVEL PATH
LS-1 / 150' - 0" — TRAVEL DISTANCE NAME / TRAVEL DISTANCE LENGTH
EXIT SIGN
OCCUPANCY TYPE / ROOM AREA — Area Name / A-3 [1000] / 150 SF / OL00000 — FUNCTION OF SPACE / LOAD FACTOR / OCCUPANT LOAD FOR ROOM (NET FUNCTIONS ONLY)
35" POINT OF *EXIT ACCESS* WITH CLEAR EXIT WIDTH (EXCL DOOR LEAF AND FRAME STOPS)
35" POINT OF *EXIT DISCHARGE* WITH CLEAR EXIT WIDTH (EXCL DOOR LEAF AND FRAME STOPS)
A.E.D. AUTOMATED EXTERNAL DEFIBRILLATOR
F.E.C. FIRE EXTINGUISHER CABINET
ACCESSIBLE PUSH PLATE ACTUATOR
F.E. FIRE EXTINGUISHER
FH PROPOSED FIRE HYDRANT
FIRE HOSE COVERAGE



01 FIRE EXTINGUISHER CABINET
1/2" = 1'-0"

PBK

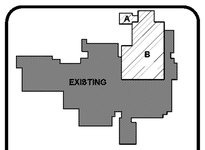
ARCHITECT
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972-233-1373 F
TX Firm: BR-1908

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MEP/FP
Integrated Design
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TECHNOLOGY
LEAP ENGINEERS
972-203-1001
ACOUSTIC
Pinnacle
214-696-7266
BUILDING ENVELOPE
Pinnacle
972-203-1001

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232
ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

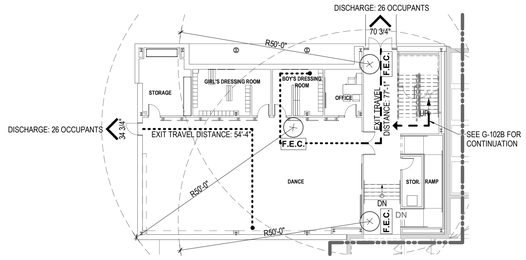
1ST LEVEL - CODE COMPLIANCE PLAN

G-101A

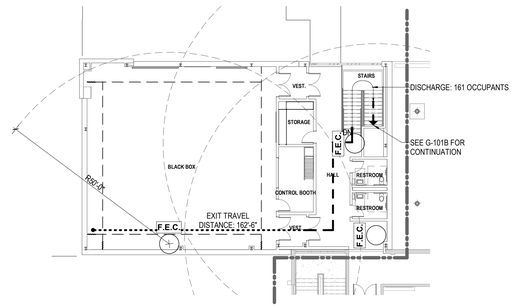
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Author
Plot Stamp:
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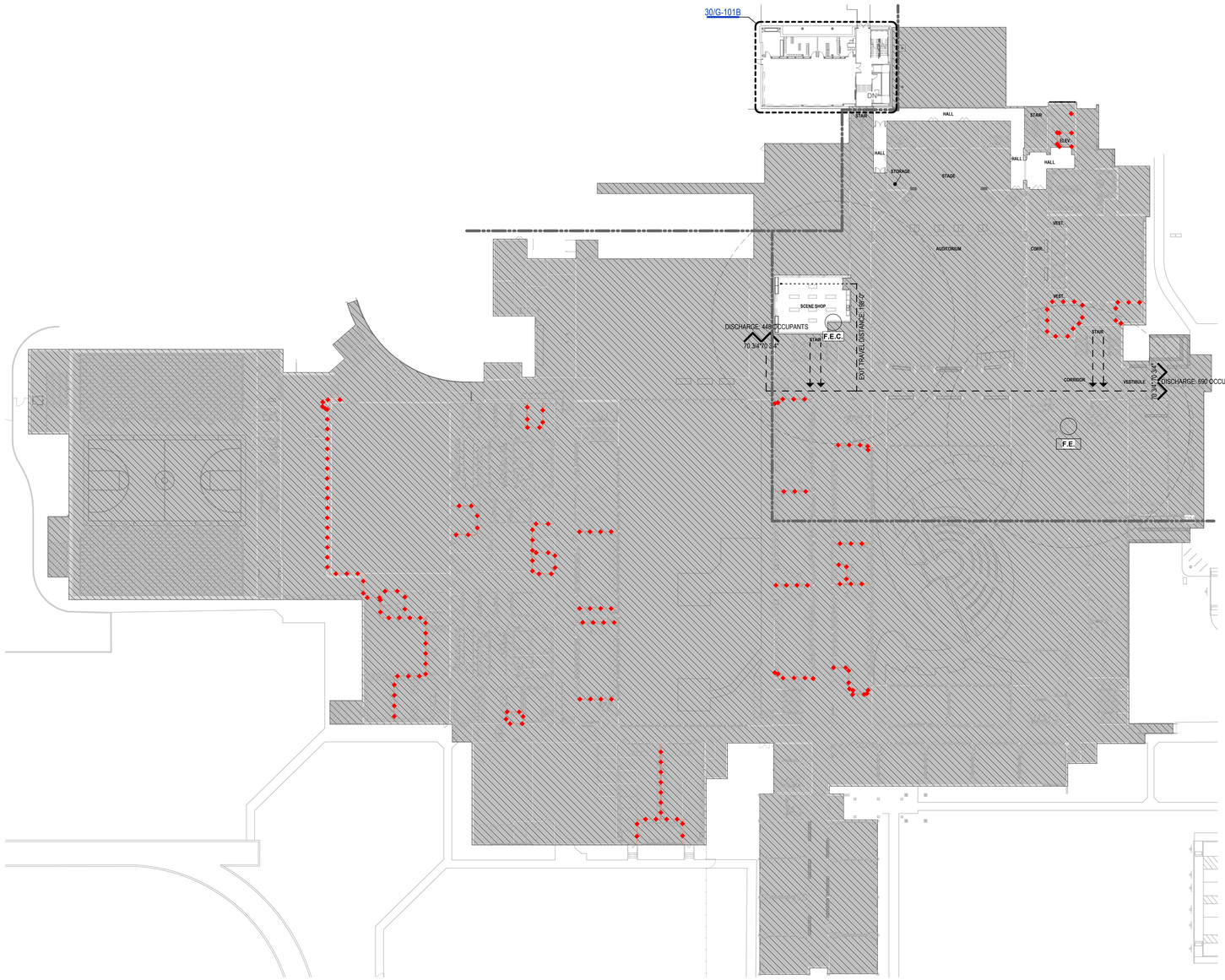
0"
1"



30 LEVEL 1 BLACK BOX - LIFE SAFETY EGRESS PLAN
1/16" = 1'-0"



28 LEVEL 2 BLACK BOX - LIFE SAFETY EGRESS PLAN
1/16" = 1'-0"



06 FIRST LEVEL - LIFE SAFETY / EGRESS PLAN
1/32" = 1'-0"

FIRE-RATED ASSEMBLIES

ROOF ASSEMBLY	UL P921
FLOOR ASSEMBLY	UL D780
WIDE FLANGE STEEL COLUMNS	UL X772
TUBE STEEL COLUMNS	UL X771
STUD FRAMED WALL	UL U465
STUD FRAMED SHAFTWALL	UL U415
CMU WALL	UL U905

1. UL ASSEMBLIES INDICATED ESTABLISH A BASIS OF PERFORMANCE. OTHER ASSEMBLIES MAY BE CONSIDERED AT THE DISCRETION OF THE ARCH. IF EQUIVALENT PERFORMANCE IS PROVIDED. SUBSTITUTION PROPOSALS SHALL INCLUDE CHANGES REQUIRED TO ALL COMPONENTS OF THE ASSEMBLY.

2. PROTECT ALL CONDUIT, PIPES, DUCTS, AND MISC. PENETRATIONS THROUGH FIRE-RATED WALLS, FLOOR, AND OR ROOF ASSEMBLIES WITH FIRE SAFING INSULATION AND FIRE STOP SEALANT. REFER TO GUIDELINES FOR APPROPRIATE ASSEMBLIES.

3. PROVIDE DAMPERS AND OR LIGHT FIXTURE PROTECTION AS REQUIRED BY UL ASSEMBLIES.

4. PROVIDE SPRAY-ON FIREPROOFING PROTECTION FOR STRUCTURAL MEMBERS CROSSING FROM A FIRE-RATED ROOF ASSEMBLY AND OR A FIRE-RATED FLOOR ASSEMBLY INTO OTHER AREAS WITH ANY OTHER FIRE-RATED ASSEMBLY OR NO FIRE-RATED ASSEMBLY, FOR THEIR FULL LENGTH.

5. PERMANENTLY MARK ALL WALLS ABOVE CEILINGS AS FOLLOWS:
"FIRE-RATED WALL - PROTECT ALL OPENINGS"
LETTERS SHALL BE RED IN COLOR AND A MINIMUM OF 2 1/2 INCHES IN HEIGHT. PROVIDE A MINIMUM OF ONE MARKING PER STRUCTURAL BAY.

6. PERMANENTLY MARK SMOKE PARTITIONS ABOVE CEILINGS AS FOLLOWS:
"SMOKE PARTITION - PROTECT ALL OPENINGS"
LETTERS SHALL BE RED IN COLOR AND A MINIMUM OF 2 1/2 INCHES IN HEIGHT. PROVIDE A MINIMUM OF ONE MARKING PER STRUCTURAL BAY.

FIRE-RATED FLOOR AND CEILING LEGEND

- 2 HOUR RATED UL FLOOR/ CEILING ASSEMBLY
- 1 HOUR RATED UL FLOOR/ CEILING ASSEMBLY
- NOT RATED STRUCTURE HIGHER THAN 20' A.F.F.

CODE COMPLIANCE SYMBOLS

- 1-HOUR FIRE RATING
- 2-HOUR FIRE RATING
- 3-HOUR FIRE RATING
- 0-HOUR SMOKE RATING
- 1-HOUR SMOKE RATING
- EGRESS TRAVEL PATH
- EGRESS COMMON TRAVEL PATH
- L.S.-1 / 150' - 0" — TRAVEL DISTANCE NAME / TRAVEL DISTANCE LENGTH
- EXIT SIGN
- Area Name — OCCUPANCY TYPE / ROOM AREA — A-3 / 1100.0 / 150 SF / OL 00000 — FUNCTION OF SPACE / LOAD FACTOR / OCCUPANT LOAD FOR ROOM (NET FUNCTIONS ONLY)
- 35" — POINT OF ***EXIT ACCESS*** WITH CLEAR EXIT WIDTH (EXCL. DOOR LEAF AND FRAME STOPS)
- 35" — POINT OF ***EXIT DISCHARGE*** WITH CLEAR EXIT WIDTH (EXCL. DOOR LEAF AND FRAME STOPS)
- A.E.D. — AUTOMATED EXTERNAL DEFIBRILLATOR
- F.E.C. — FIRE EXTINGUISHER CABINET
- ACCESSIBLE PUSH PLATE ACTUATOR
- F.E. — FIRE EXTINGUISHER
- FH — PROPOSED FIRE HYDRANT
- FIRE HOSE COVERAGE

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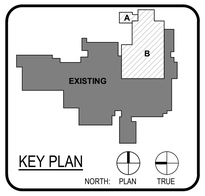
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BEAM
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DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
DANIEL S BEAGER
R.A. REGISTERED ARCHITECT
23375
STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025.08.25	230050

DRAWING HISTORY

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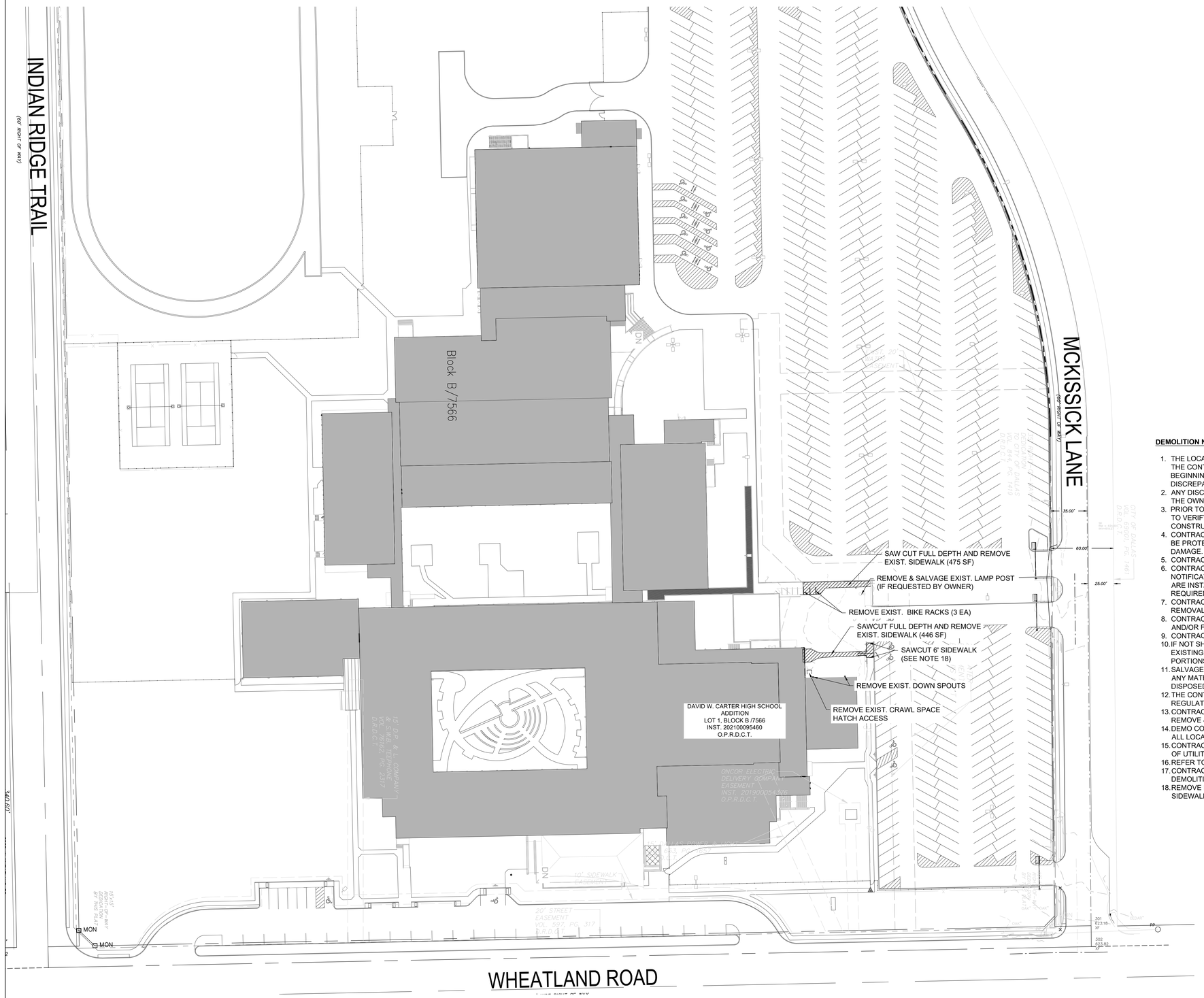
1ST LEVEL - LIFE SAFETY / EGRESS PLAN

G-101B

1ST LEVEL - LIFE SAFETY / EGRESS PLAN
G-101B
FOR BLUEBEAM LABELING/OCR:

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Plot Stamp:
10/28/2025 9:58:01 AM



DEMOLITION NOTES:

1. THE LOCATION OF ALL EXISTING UTILITIES WERE OBTAINED FROM AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY EXACT LOCATION AND DEPTH OF UTILITY PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
2. ANY DISCREPANCIES IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER AND ENGINEER PRIOR TO THE START OF CONSTRUCTION.
3. PRIOR TO STARTING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION SHALL BEGIN UNTIL ALL PERMITS ARE RECEIVED.
4. CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKERS AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROPERTY PROTECTED FROM DAMAGE.
5. CONTRACTOR SHALL REPAIR ANY DAMAGE DONE TO PRIVATE OR PUBLIC PROPERTY.
6. CONTRACTOR TO ENSURE COMPLIANCE WITH ANY AND ALL LAND DISTURBANCE NOTIFICATIONS REQUIREMENTS, AND THAT ALL REQUIRED EROSION CONTROL MEASURES ARE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE STATE, LOCAL, OR FEDERAL REQUIREMENTS.
7. CONTRACTOR TO PROVIDE PROPER NOTIFICATION TO UTILITY COMPANIES PRIOR TO REMOVAL OF ANY UTILITY COMPANIES PRIOR TO REMOVAL OF ANY UTILITY LINES.
8. CONTRACTOR IS RESPONSIBLE FOR THE PROPER CITY, STATE, OR FEDERAL NOTIFICATIONS AND/OR FEES ASSOCIATED WITH THE DEMOLITION PRIOR TO COMMENCING.
9. CONTRACTOR TO PROPERLY DISPOSE OF ALL DEMOLISHED MATERIAL OFF OF THE SITE.
10. IF NOT SHOWN ON THE DEMOLITION DRAWINGS, THE CONTRACTOR SHALL REMOVE ALL EXISTING MATERIALS AS NECESSARY TO COMPLETE ALL NEW WORK AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
11. SALVAGE RIGHTS FOR ALL DEMOLISHED MATERIALS SHALL BE FIRST GIVEN TO THE OWNER. ANY MATERIALS NOT RETAINED BY THE OWNER SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
12. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS IN THE REMOVAL/DEMOLITION OF HAZARDOUS MATERIALS.
13. CONTRACTOR IS RESPONSIBLE FOR ALL REGISTRATIONS, PERMITS AND FEES REQUIRED TO REMOVE & PROPERLY DISPOSE OF ALL DEMOLITION MATERIALS.
14. DEMO CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPROVALS AND NOTIFICATIONS TO ALL LOCAL, STATE AND FEDERAL AUTHORITIES.
15. CONTRACTOR SHALL COORDINATE AND ASSUME ANY FEES ASSOCIATED WITH THE REMOVAL OF UTILITIES. ALL ABANDONED UTILITIES TO BE REMOVED AND CAPPED.
16. REFER TO SURVEY FOR LIMITS AND BOUNDARY OF PROPERTY.
17. CONTRACTOR SHALL PROMPTLY REPAIR DAMAGES TO ADJACENT FACILITIES CAUSED BY DEMOLITION OPERATIONS.
18. REMOVE EXISTING PAVEMENT AND SIDEWALKS BY SAW CUTTING THE EDGE LIMIT. FOR ALL SIDEWALK REMOVALS, CUT SIDEWALKS AT EXISTING JOINT.

PBK

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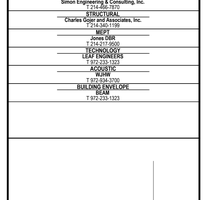
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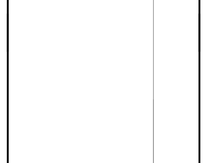
DAVID W. CARTER HIGH SCHOOL BLACK BOX ADDITION

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

CONSTRUCTION DEVELOPMENT

simon
ENGINEERING & CONSULTING
VORANIQUE SIMON, PE
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Firm Registration No. F-10997





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DATE	PROJECT NUMBER
2025.08.25	230050

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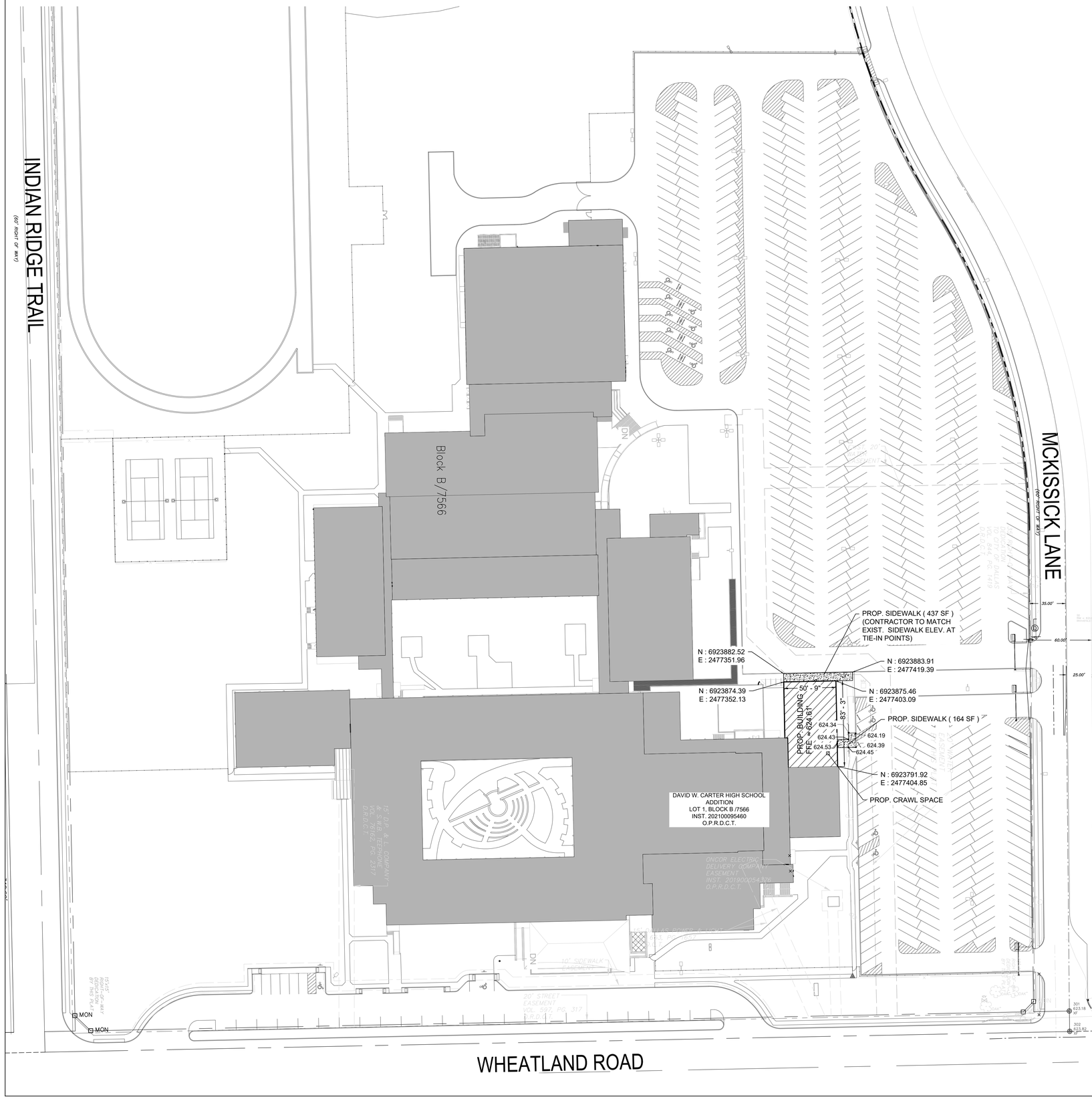
No.	Description	Date

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BUILDING NUMBER

DEMOLITION PLAN

C03.01



LEGEND

PROP.CONCRETE SIDEWALK 4"
3000 PSI REINFORCED CONC. PAVEMENT

624.59 PROP.SPOT ELEVATION

624.59 EX .SPOT ELEVATION (MATCH EXIST)

SIDEWALK, BARRIER-FREE RAMPS, AND CURB & GUTTER NOTES:

1. CONCRETE FOR SIDEWALK SHALL BE MIN. 3,500 PSI COMPRESSIVE STRENGTH AT 28 DAYS AFTER PLACEMENT.
2. CONCRETE FOR CURB AND GUTTER SHALL BE MIN. 4,500 PSI COMPRESSIVE STRENGTH AT 28 DAYS AFTER PLACEMENT.
3. SUBGRADE COMPACTION FOR SIDEWALKS SHALL BE MINIMUM 95% STANDARD PROCTOR DENSITY WITHIN -2% TO +4 OF OPTIMUM MOISTURE CONTENT.
4. REINFORCING SHALL BE #3 BARS AT 18" O.C.
5. ALL CURBS WITHIN CITY RIGHT-OF-WAY MUST BE REINFORCED WITH #4 BARS.
6. CURB AND GUTTER MUST BE DESIGNED AND CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE.
7. SEPARATE CONCRETE CURB AND GUTTER SHALL BE MARKED 3/8" DEEP WITH AN APPROVED TOOL (SAW CUT) IN 15 FOOT SECTIONS. INSTALL #4 "L-SHAPED" REBAR DOWELS (12" INTO EXISTING PAVEMENT), EVERY 18", EPOXIED IN.
8. 1" REDWOOD EXPANSION JOINTS ARE REQUIRED AT ALL ABRUPT CHANGES IN ALIGNMENT OR WIDTH, RADIUS POINTS, OR EVERY 20 FEET, BEGINNING AT THE CURB RETURN
9. IF SIDEWALK IS LOCATED AT THE BACK OF THE CURB, RED WOOD JOINTS SHOULD MATCH EXISTING REDWOOD JOINTS IN THE STREET.
10. AT ALL EXPANSION JOINTS, 24" #6 (3/4") SMOOTH DOWELS ARE REQUIRED AT 24" C/C.
11. 1" FOOTINGS ARE REQUIRED AT ALL EXPANSION JOINTS AND THE PAVEMENT DEPTH TRANSITIONS FROM 4" TO 5" THICK OVER A 24" LENGTH OF PAVEMENT.
12. 8" FOOTING IS REQUIRED FOR SIDEWALKS LOCATED AT THE BACK-OF-CURB WITH A 6" DOWEL.
13. SIDEWALK MUST BE MINIMUM 5 FEET WIDE IF LOCATED AT THE BACK-OF-CURB.

GRADING NOTES:

1. ALL SPOT ELEVATION ARE TO TOP OF PAVING UNLESS OTHERWISE NOTED.
2. EXISTING UTILITIES WERE OBTAINED FROM RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF EXISTING UTILITIES AND NOTIFY THE ENGINEER FOR ANY DISCREPANCIES WITH THIS PLAN.
3. MAXIMUM SLOPE IN LANDSCAPE AREAS ARE NOT TO EXCEED 4:1; MIN EARTH GRADE IS 1%; MIN PAVING GRADING IS 0.5%.
4. ALL CURB HEIGHTS ARE 6-INCHES UNLESS NOTED OTHERWISE
5. ALL SUBGRADE COMPACTION SHALL BE ASTM D698 AT 95% PROCTOR DENSITY AT 0% TO +4% OF OPTIMUM MOISTURE.
6. REF. STRUCTURAL PLANS, SPECIFICATIONS, AND GEOTECHNICAL REPORT FOR ALL BUILDING PAD PREPARATION CRITERIA.
7. THE CONTRACTOR SHALL CONSTRUCT ALL BARRIER FREE RAMPS PER CITY OF DALLAS DEPARTMENT OF PUBLIC WORKS STANDARD CONSTRUCTION DETAILS (TEXAS DEPARTMENT OF TRANSPORTATION, PEDESTRIAN FACILITIES CURB RAMPS PED-18) .
8. GRADING FOR ALL SIDEWALKS AND ACCESSIBLE ROUTES INCLUDING CROSSING DRIVEWAYS SHALL CONFORM TO U.S. DEPARTMENT OF JUSTICE, CIVIL RIGHTS DIVISION, ADA STANDARDS FOR ACCESSIBLE DESIGN. SLOPES SHALL NOT EXCEED 5% LONGITUDINAL SLOPE OR 2% CROSS SLOPE. SIDEWALK ACCESS TO EXTERNAL BUILDING DOORS SHALL BE ADA COMPLIANT.
9. GRADING OF ALL HANDICAPPED SPACES AND ROUTES TO CONFORM TO LOCAL, STATE AND FEDERAL GUIDELINES.
10. CONTRACTOR SHALL ADJUST EXISTING VALVES, MANHOLE RIMS, ETC. AS NECESSARY TO MATCH FINISHED GRADE.
11. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM EXISTING & PROPOSED BUILDINGS.

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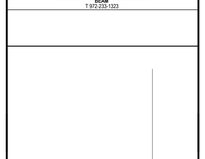
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DAVID W. CARTER HIGH SCHOOL BLACK BOX ADDITION

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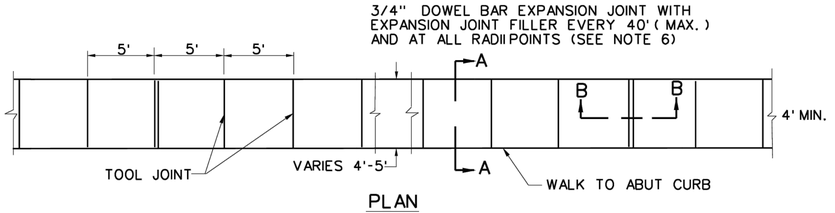
No.	Description	Date

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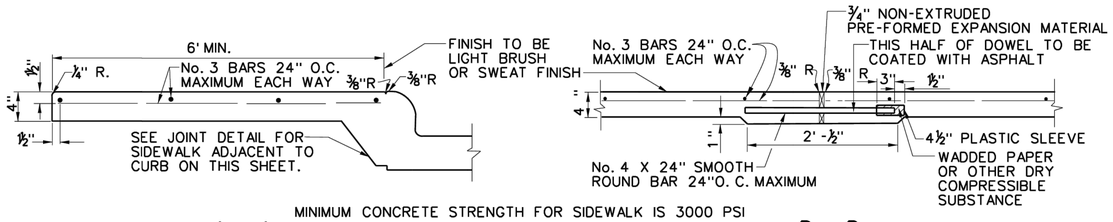
SITE PLAN

C04.01



PLAN

REINFORCED CONCRETE SIDEWALK



MINIMUM CONCRETE STRENGTH FOR SIDEWALK IS 3000 PSI

A - A

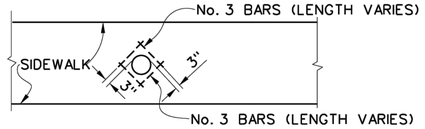
TYPICAL SECTION

B - B

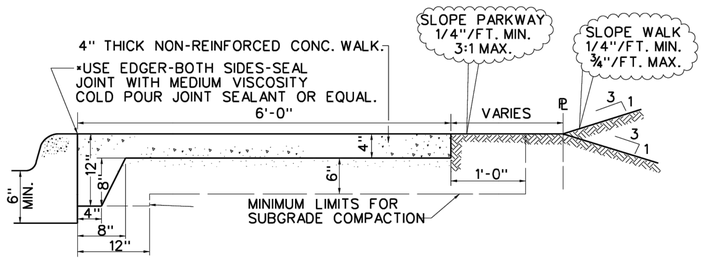
EXPANSION JOINT DETAIL

NOTES:
1. ALL HONEYCOMB IN BACK OF CURB TO BE TROWEL- PLASTERED BEFORE POURING SIDEWALK.
2. FOR SIDEWALKS AGAINST EXISTING CURB, KEYWAY SHALL BE REPLACED WITH 12" LONG No. 3 DEFORMED BARS DRILLED 4" INTO EXISTING BACK CURB AND EPOXY GROUTED ON 24" CENTERS.
3. PAYMENT FOR KEYWAY SUBSIDIARY TO SIDEWALK LUG PAY ITEM.
4. PAYMENT FOR EXCAVATION, BORROW AND COMPACTION IS SUBSIDIARY TO CONCRETE SIDEWALK PAY ITEM.
5. ALL BACKFILL SHALL BE COMPACTED IN LIFTS NOT TO EXCEED 6 INCHES TO 95% DENSITY WITH A MOISTURE WITHIN -2% TO -4% OF OPTIMUN MOISTURE.
6. 3/4" EXPANSION JOINTS SHALL BE PROVIDED AT STREET EXPANSION JOINTS AND AT A MAXIMUM 40 FOOT SPACING IN LINE WITH STREET SAW JOINTS; A TOOL MARKED GROOVE SHALL BE PROVIDED IN LINE WITH INTERMEDIATE STREET SAW JOINTS.
7. ALL PROPOSED SIDEWALKS MUST BE DOWELED INTO EXISTING SIDEWALK USING No. 3 DEFORMED BARS.
8. FOR SIDEWALK WIDTH, REFER TO CITY OF DALLAS STREET DESIGN MANUAL.
9. MINIMUM CONCRETE STRENGTH FOR SIDEWALK IS 3000 PSI.

NOTE:
No. 3 BARS @ 24" O.C. (E. W.) & 4 No. 3 BARS DIAGONAL @ METER
(IN ACCORDANCE WITH CURRENT DWU STANDARDS)

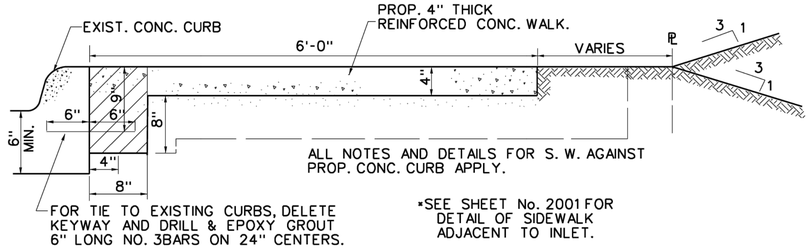


REINFORCING DETAIL AT WATER METERS IN SIDEWALK



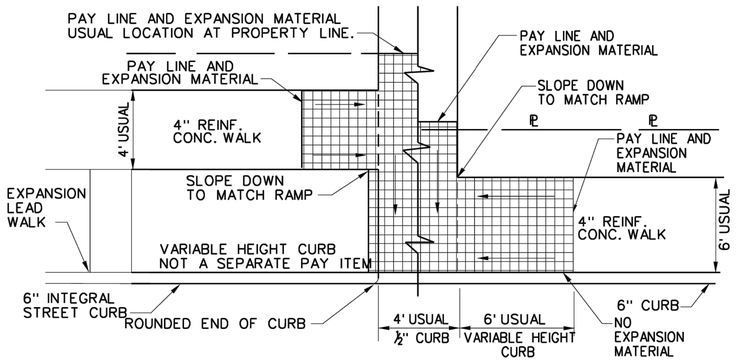
JOINT DETAIL FOR SIDEWALK ADJACENT TO CURB

SAME DETAIL FOR MEDIAN PAVEMENT- USE PREMOLDED EXPANSION JOINT



SIDEWALKS AGAINST EXIST. CONC. CURB

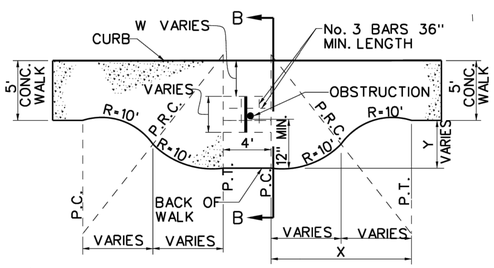
BARRIER FREE RAMPS AT LEAD WALKS



SIDEWALK WITH PARKWAY

SIDEWALK ABUTTING CURB

NOTES:
1. NO SLOPE TO EXCEED 1" PER 1'.
2. ACTUAL LOCATIONS OF RAMP LIMITS WILL BE DETERMINED BY SLOPE OF RAMP AND GRADE OF STREET.
3. WALK REINFORCEMENT WILL BE No. 3 BARS SPACED 24" O.C. MAX. EACH WAY.
4. BROOM FINISH NEEDED.

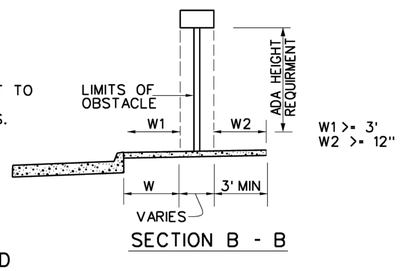


Y-1'	X= 6.24'
Y-2'	X= 8.72'
Y-3'	X= 10.54'
Y-4'	X= 12.00'
Y-5'	X= 13.23'

* EXPANSION MATERIAL MUST BE PLACED ADJACENT TO THE BUILDING, STRUCTURE, WALL OR POLE WHEN SIDEWALK IS POURED ADJACENT TO THESE ITEMS.

NOTES:
1. IF "W" > MEETS ADA NO WIDENING NECESSARY EXCEPT POSSIBLY TO OBTAIN MINIMUM DISTANCE OF 1' TO EDGE OF SIDEWALK.
2. SAME WIDENING PLAN WILL BE USED FOR WALK NOT ABUTTING CURB.

SIDEWALK WIDENING REQUIRED
AROUND OBSTACLES IN SIDEWALK



SECTION B - B

NOTE:
FOR ANY SPECIAL RAMP FOR EXISTING CONDITION DESIGN ENGINEER MUST INCLUDE DESIGN OF RAMP

PAVING DETAILS

REINFORCED SIDEWALKS

DEPARTMENT OF PUBLIC WORKS
CITY OF DALLAS, TEXAS

DRAWINGS NOT TO SCALE
REVISED: SEPTEMBER 2022

SHEET No.
1015

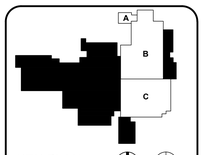
PBK
ARCHITECT PBK Architects, Inc.
DALLAS PBK.com
14001 Dallas Parkway, Suite 400
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972-233-1323 P
972-233-1373 F
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CIVIL
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STRUCTURAL
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MEP
Jones DBR
T.214.521.2000
LEAD CONSULTANTS
T.972.233.1323
ACOUSTIC
WJHW
T.972.234.3700
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BEAN
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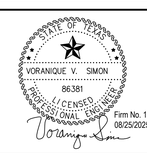
DAVID W. CARTER HIGH SCHOOL BLACK BOX ADDITION

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

CONSTRUCTION DEVELOPMENT

simon
ENGINEERING & CONSULTING
VORANIQUE SIMON, PE
15433 Knoll Trail Drive - Suite 200
Dallas, Texas 75248
Firm Registration No: F-10997





CLIENT

DATE	PROJECT NUMBER
2025.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

SIDEWALK DETAILS

C04.02

STRUCTURAL ABBREVIATIONS

A.B.	– ANCHOR BOLT
A/C	– AIR CONDITIONER
A/E	– ARCHITECT/ENGINEER
A.F.F.	– ABOVE FINISHED FLOOR
ADDN'L	– ADDITIONAL
ADJ.	– ADJACENT
AHU	– AIR HANDLING UNIT
ALT.	– ALTERNATE
ALUM.	– ALUMINIUM
APPROX.	– APPROXIMATE
ARCH.	– ARCHITECT
ARCH'L.	– ARCHITECTURAL
B.F.F.	– BELOW FINISHED FLOOR
B.L.	– BUILDING LINE
B.P.	– BASE PLATE
BAL.	– BALANCE
BLDG.	– BUILDING
BLK.	– BLOCK
BLKG.	– BLOCKING
BM.	– BEAM
BOT.	– BOTTOM
BRDG.	– BRIDGING
BRG.	– BEARING
BRKT.	– BRACKET
BSMT.	– BASEMENT
BTWN.	– BETWEEN
C. OR COMP.	– COMPRESSION
C.I.P.	– CAST–IN–PLACE
C.J.	– CONSTRUCTION JOINT
C.L.OR k	– CENTER LINE
CANT'L	– CANTILEVER
CLG.	– CEILING
CLR.	– CLEAR
COL.	– COLUMN
CMU	– CONCRETE MASONRY UNIT
CONC.	– CONCRETE
CONN(S).	– CONNECTION(S)
CONSTR.	– CONSTRUCTION
CONT.	– CONTINUOUS
CONTR.	– CONTRACTOR
CTR.	– CENTER
D.L.	– DEAD LOAD
DBL.	– DOUBLE
DEG.OR n	– DEGREE(S)
DET.	– DETAIL
DIA.OR c	– DIAMETER
DIAG.	– DIAGONAL
DIM(S).	– DIMENSION(S)
DN.	– DOWN
DWG(S).	– DRAWING(S)
DWL(S).	– DOWEL(S)
E.E.	– EACH END
E.F.	– EACH FACE
E.J.	– EXPANSION JOINT
E.S.	– EACH SIDE
E.W.	– EACH WAY
E.W.B.	– EACH WAY BOTTOM
E.W.T.	– EACH WAY TOP
E.W.T.B.	– EACH WAY TOP AND BOTTOM
EA.	– EACH
EL.	– ELEVATION
ELEC.	– ELECTRIC(AL)
EMBED.	– EMBED(DED)(MENT)
EQ.	– EQUAL
EQUIP.	– EQUIPMENT
EXIST.	– EXISTING
EXP.	– EXPANSION
EXT.	– EXTERIOR
F. TO F.	– FACE TO FACE
F.D.	– FLOOR DRAIN
F.P.	– FULL PENETRAION
F.S.	– FAR SIDE
FDN.	– FOUNDATION
FIN.FL.	– FINISHED FLOOR
FL.	– FLOOR
FLG.	– FLANGE
FT.	– FOOT (FEET)
FTG.	– FOOTING
F.V.	– FIELD VERIFY
G.C.	– GENERAL CONTRACTOR
GA.	– GAGE OR GAUGE
GALV.	– GALVANIZED
GEN.	– GENERAL
GB.	– GRADE BEAM
H.P.	– HIGH POINT
H.S.	– HEADED STUD(S)
HK.	– HOOK
H.I.F.	– HORIZONTAL INSIDE FACE
H.O.F.	– HORIZONTAL OUTSIDE FACE
HT.	– HEIGHT
HVAC	– HEATING,VENTILATION AND AIR CONDITIONING
I.D.	– INSIDE DIAMETER
I.F.	– INSIDE FACE
IN.	– INCHES
INFO.	– INFORMATION
INSUL.	– INSULATION
INT.	– INTERIOR
INTERM.	– INTERMEDIATE
JST(S).	– JOIST(S)
JT.	– JOINT
K	– KIPS (1000 LBS)
K.L.F.	– KIP PER LINEAR FOOT
K.S.F.	– KIP PER SQUARE FOOT
L.L.	– LIVE LOAD
LLH	– LONG LEG HORIZONTAL
LLV	– LONG LEG VERTICAL
L.P.	– LOW POINT
L.W.	– LONG WAY
L.W.B.	– LONG WAY BOTTOM
L.W.T.	– LONG WAY TOP
L.W.T.B.	– LONG WAY TOP AND BOTTOM
LB.,#	– POUND
LG.	– LONG
LONG.	– LONGITUDINAL
LWGT.	– LIGHTWEIGHT
M.C.	– MOMENT CONNECTION
M.O.	– MASONRY OPENING
MAS'Y	– MASONRY
MAT'L	– MATERIAL
MAX.	– MAXIMUM
MECH.	– MECHANICAL
MEZZ.	– MEZZANINE
MFR.	– MANUFACTURER
MIN.	– MINIMUM
MISC.	– MISCELLANEOUS
MK.	– MARK
MTL.	– METAL
N/A	– NOT APPLICABLE
N.I.C.	– NOT IN CONTRACT
N.S.	– NEAR SIDE
N.T.S.	– NOT TO SCALE
NO. OR #	– NUMBER
NOM.	– NOMINAL
O.A.	– OVERALL
OC	– ON CENTER
O.D.	– OUTSIDE DIAMETER
O.F.	– OUTSIDE FACE
O.G.L.	– ON GAGE LINE
O.H.	– OPPOSITE HAND
O.S.L.	– OUTSTANDING LEG
OPNG(S).	– OPENING(S)
OPP.	– OPPOSITE
OZ.	– OUNCE
P/C.	– PRECAST CONCRETE
P–T.	– POST–TENSION(ED)(ING)
P.B.	– PROFESSIONAL ENGINEER
P.S.F.	– POUNDS PER SQUARE FOOT
P.S.I.	– POUNDS PER SQUARE INCH
PAR.	– PARALLEL
PC.	– PIECE
PERIM.	– PERIMETER
PERP.	– PERPENDICULAR
PL.,i	– PLATE
PREFAB.	– PREFABRICATED
PTFE.	– POLYTETRAFLUOROETHYLENE
QTY.	– QUANTITY
R	– RADIUS
R.A.	– ROOF DRAIN
RCP	– REINFORCED CONCRETE PIPE
REBAR	– REINFORCING BAR(S)
REF.	– REFERENCE
REINF.	– REINFORCE(ING)(ED)(MENT)
REQ'D.	– REQUIRED
S.F.	– SQUARE FOOT (FEET)
S.O.G.	– SLAB ON GRADE
S.W.	– SHORT WAY
S.W.B.	– SHORT WAY BOTTOM
S.W.T.	– SHORT WAY TOP
S.W.T.B.	– SHORT WAY TOP AND BOTTOM
SCHED.	– SCHEDULE(D)
SECT.	– SECTION
SHT.	– SHEET
SIM.	– SIMILAR
SL.	– SLAB
SLV.	– SLEEVE
SP.	– SPACE
SPEC(S).	– SPECIFICATION(S)
SQ.	– SQUARE
SS.	– STAINLESS STEEL
STD.	– STANDARD
STL.	– STEEL
STIFF.	– STIFFENER(S)
STIR.	– STIRRUP(S)
STR.	– STRAIGHT
STRUCT'L.	– STRUCTURAL
SYM.	– SYMMETRICAL
T & G	– TONGUE AND GROOVE
T & B	– TOP AND BOTTOM
T.O.B.	– TOP OF BEAM
T.O.F.	– TOP OF FOOTING
T.O.J.	– TOP OF JOIST
T.O.P.	– TOP OF PIER
T.O.P.A.	– TOP OF PIER CAP
T.O.S.	– TOP OF STEEL
T.O.S.C.	– TOP OF STRUCTURAL CONCRETE
T.O.W.	– TOP OF WALL
TEMP.	– TEMPERATURE
TEN.	– TENSION
THK.	– THICK
THK'N(D)	– THICKEN(ED)
TYP.	– TYPICAL
U.N.O.	– UNLESS NOTED OTHERWISE
VERT.	– VERTICAL
V.I.F.	– VERTICAL INSIDE FACE
V.O.F.	– VERTICAL OUTSIDE FACE
VOL.	– VOLUME
W/	– WITH
W/O	– WITHOUT
W.P.	– WORK POINT
W.S.	– WATERSTOP
W.W.F.	– WELDED WIRE FABRIC
WGT.	– WEIGHT
X	– EXTRA
XX	– DOUBLE EXTRA
YD.	– YARD

GENERAL NOTES

DESIGN LOADS

1. GRAVITY LOADS:

   A. DESIGN UNIFORM LIVE LOADS ARE AS LISTED BELOW. LIVE LOAD REDUCTIONS ARE CALCULATED IN ACCORDANCE WITH THE IBC 2021 BUILDING CODE

   B. DESIGN UNIFORM SUPERIMPOSED DEAD LOADS ARE IN ADDITION TO THE WEIGHT OF THE BUILDING STRUCTURE.

   C. UNIFORM LIVE LOADS

ROOF	= 20 PSF
LEVEL 1 FLOOR	= 100 PSF
LEVEL 2 FLOOR	= 100 PSF

   D. UNIFORM SUPERIMPOSED DEAD LOADS

ROOF	= 10 PSF CEILING & MECH'L. + 10 PSF ROOFING
LEVEL 2 FLOOR	= 10 PSF CEILING & MECH'L.
OTHER AREAS	= 10 PSF CEILING & MECH'L.

   E. CONCENTRATED LIVE LOADS

ROOF	= 300 LB. (APPLIED OVER 1'–0" x 1'–0" AREA)
SUSPENDED FLOORS	= 2000 LB. (APPLIED OVER 2'–6" x 2'–6" AREA)

2. SNOW LOAD

   A. GROUND SNOW LOAD – CITY OF DALLAS = 5 PSF

3. WIND LOADS

   A. IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE (IBC 2021)

   B. WIND COEFFICIENTS AND CATEGORIES – CITY OF DALLAS

   3 SEC GUST ..... 120 MPH
   EXPOSURE CLASS C
   RISK CATEGORY III
   NOMINAL WIND SPEED SERVICE ..... 93 MPH
   WIND IMPORTANCE FACTOR, Iw 1.15
   TOPOGRAPHIC FACTOR, K 1.00
   DIRECTIONALITY FACTOR, Kd 0.85
   INTERNAL PRESSURE COEFFICIENT... +/– 0.18

   C. COMPONENT AND CLADDING DESIGN UPLIFT PRESSURES: (ULTIMATE)

   AT ROOF:
   = 34 PSF TYPICAL.
   = 40 PSF WITHIN 10'–0" OF EDGE OR STEP IN ROOF.
   = 40 PSF IN CORNER ZONES AS DEFINED IN BUILDING CODE.
   = 50 PSF AT OVERHANG TYPICAL.
   = 43 PSF AT CORNERS, AS DEFINED IN BUILDING CODE

   D. EXTERIOR WALL DESIGN PRESSURES: (ULTIMATE)

   = 25 PSF(+), INTERIOR
   = 28 PSF(–), INTERIOR
   = 28 PSF(–), EDGE ZONES
   = 25 PSF(+), EDGE ZONES

   E. ESTIMATED ROOF DEAD LOAD: (NOT INCLUDING STRUCTURE)

   ROOF DEAD LOAD = 10 PSF

4. SEISMIC LOADS

   A. IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE (IBC 2021)

   B. SEISMIC COEFFICIENTS AND CATEGORIES – CITY OF DALLAS

   OCCUPANCY CATEGORY III
   SEISMIC IMPORTANCE FACTOR 1.25

   MAPPED SPECTRAL RESPONSE ACCELERATIONS:
   0.2 SEC RESPONSE Ss ..... 0.0901 g
   1.0 SEC RESPONSE S1 ..... 0.0502 g

   SITE CLASS ..... B

   DESIGN SPECTRAL ACCELERATION PARAMETERS:
   0.2 SEC RESPONSE SDS ..... 0.054 g
   1.0 SEC RESPONSE SD1 ..... 0.027 g

   SEISMIC DESIGN CATEGORY ..... A

   BASIC SEISMIC FORCE RESISTING SYSTEM:
   STEEL ORDINARY MOMENT FRAMES

   DESIGN BASE SHEAR..... 38 KIPS
   SEISMIC RESPONSE COEFFICIENT.. 0.01

   RESPONSE MODIFICATION FACTOR... 3.0

   ANALYSIS PROCEDURE.....MINIMUM LATERAL FORCE

FOUNDATION

1. THESE NOTES APPLY TO ALL FOUNDATIONS AND SLABS ON GRADE DETAILED ON THE STRUCTURAL DRAWINGS, UNLESS NOTED OTHERWISE.

2. FOUNDATION DESIGN IS BASED ON THE SOILS REPORT PREPARED BY ALLIANCE GEOTECHNICAL GROUP AGG REPORT NO.DE23–229, DATED MARCH 23, 2024.

3. DESIGN END BEARING PRESSURE IS 50 KSF FOR DRILLED STRAIGHT–SHAFT PIERS WITH AT LEAST 2'–0" OR ONE SHAFT DIAMETER (GREATER OF THE TWO) PENETRATION INTO THE VERY HARD GRAY UNWEATHERED SHALEY LIMESTONE, FOUNDED AT A DEPTH OF 13 FEET BELOW THE EXISTING GRADE. DESIGN SKIN FRICTION IS 6.5 KSF FOR THE PORTION OF THE SHAFT EMBEDDED MORE THAN 1 FOOT INTO THE GRAY LIMESTONE.

   DESIGN IS 2.5 KSF ACTING ON THE SURFACE OF PIER SHAFTS FOR A DEPTH OF 10 FEET FROM EXISTING GROUND SURFACE.

4. CAST CONCRETE WITHIN 8 HOURS OF DRILLING PIER SHAFT INTO BEARING STRATUM, AND IN NO CASE SHALL THE PIER EXCAVATION REMAIN OPEN OVERNIGHT.

5. SEE DRAWINGS AND SPECIFICATIONS FOR VAPOR RETARDER / BARRIER. TURN DOWN AT GRADE BEAMS AND PIERS. LAP AND SEAL AT ALL JOINTS AND AROUND ALL COLUMNS AND STUB–OUTS. PATCH ALL TEARS PRIOR TO PLACING CONCRETE.

6. ALL GRADE BEAMS SHALL BE FORMED ON BOTH SIDES. EARTH–FORMING IS NOT ALLOWED.

7. IT MAY BE NECESSARY TO USE TEMPORARY CASING WHILE DRILLING THE PIERS IF UNDERGROUND WATER IS ENCOUNTERED.

8. IF TEMPORARY CASINGS ARE NECESSARY, EXTRACTION OF THE CASINGS SHALL BE DONE IN A MANNER THAT MAINTAINS A POSITIVE HEAD OF PLASTIC CONCRETE SO AS TO MINIMIZE THE POTENTIAL FOR INFILTRATION OF WATER SEEPAGE OR SLOUGHING SOILS.

CAST IN PLACE REINFORCED CONCRETE

1. ALL STRUCTURAL CONCRETE SHALL BE OF NORMAL WEIGHT AGGREGATE WITH SPECIFIED PROPERTIES AS FOLLOWS:

	28 DAY STRENGTH	SLUMP	MAX.AGGREGATE
PIERS	– 3000 P.S.I.	5"–7"	1"
GRADE BEAMS	– 4000 P.S.I.	3"–5"	1"
SLABS ON METAL DECK	– 3500 P.S.I.	3"–5"	3/4"
OTHER CONCRETE	– 3000 P.S.I.	3"–5"	1"

2. REINFORCING STEEL SHALL CONFORM TO ASTM A–615, GRADE 60.

3. REINFORCING STEEL SPECIFICALLY NOTED TO BE SHOP OR FIELD WELDED SHALL CONFORM TO ASTM A–706, GRADE 60. WELDING OF OTHER REINFORCING STEEL IS NOT PERMITTED.

4. ALL REINFORCING SHALL LAP 48 BAR DIAMETERS AT SPLICES UNLESS NOTED OTHERWISE. HOOK CONTINUOUS BARS AT DISCONTINUOUS ENDS.

5. WELDED WIRE FABRIC SHALL BE SUPPLIED IN FLAT SHEETS, NOT ROLLS.

6. DETAILING OF CONCRETE REINFORCING AND ACCESSORIES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI PUBLICATION 315.

7. UNLESS NOTED OTHERWISE, CONCRETE PROTECTION FOR REINFORCING SHALL BE AS FOLLOWS:

PIERS	3" TO VERTICAL STEEL
SUSPENDED SLABS	3/4" TOP, 3/4" BOTTOM
SLABS ON GROUND	1–1/2" TOP & BOTTOM
FORMED BEAMS AND WALLS	2" SIDES AND TOP, 2" BOTTOM TO MAIN STEEL
BEAMS AND WALLS CAST AGAINST EARTH	2" SIDES AND TOP, 3" BOTTOM TO MAIN STEEL

8. NO HORIZONTAL JOINTS WILL BE PERMITTED IN CONCRETE, EXCEPT WHERE NOTED. VERTICAL JOINTS SHALL OCCUR AT OR NEAR THE CENTER OF SPANS, OR AS APPROVED BY THE STRUCTURAL ENGINEER.

9. PROVIDE 5% (+/– 1.5%) AIR ENTRAINMENT IN CONCRETE PERMANENTLY EXPOSED TO WEATHER. USE OF AIR ENTRAINMENT, & CORRESPONDING REDUCTION OF WATER/CEMENT, MUST BE NOTED ON ARI DESIGNS. DO NOT USE AIR ENTRAINMENT IN SLABS WHICH HAVE HARD TROWEL FINISH.

10. PLACE 6" P.V.C. WATERSTOPS IN ALL EXTERIOR CONSTRUCTION JOINTS BELOW GRADE AND ELSEWHERE AS CALLED FOR, IN THE STRUCTURAL DRAWINGS.

STRUCTURAL STEEL

1. STRUCTURAL SHAPES AND PLATES SHALL CONFORM TO THE FOLLOWING, UNLESS NOTED OTHERWISE ON THE DRAWINGS:

   A. ALL WIDE FLANGE & WT SECTIONS – ASTM A992, GRADE 50

   B. ALL HSS MEMBERS – ASTM A500, GRADE B, 46 KSI FOR RECT. SHAPES, 42 KSI FOR ROUND SHAPES

   C. ALL PIPE MEMBERS – ASTM A53 (E OR S), GRADE B

   D. ALL ANCHOR BOLTS – ASTM F1554, GRADE 36

   E. ALL OTHER SHAPES AND PLATES – ASTM A36

2. ALL CONNECTION BOLTS FOR STRUCTURAL STEEL MEMBERS SHALL BE 3/4 IN. DIAMETER CONFORMING TO ASTM A–325. ALL SHEAR CONNECTIONS SHALL BE DESIGNED AS BEARING–TYPE BASED ON THREADS INCLUDED IN THE SHEAR PLANE. UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE TIGHTENED TO A "SNUG TIGHT" CONDITION, DEFINED AS "A FEW INPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A WORKER WITH AN ORDINARY SPUD WRENCH THAT BRINGS CONNECTED PLIES INTO FIRM CONTACT."

3. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH A.W.S. CODE, BY CERTIFIED . WELDERS. WELDING ELECTRODES SHALL BE E70 XX.

4. SEE SPECIFICATIONS FOR PRIMER SURFACE PREPARATION REQUIREMENTS. DO NOT APPLY PRIMER TO ANY STEEL PARTS THAT ARE TO BE ENCASED IN CONCRETE OR ARE TO BE FIREPROOFED USING BLOWN–UP FIREPROOFING MATERIALS.

5. ALL BEAM TO BEAM AND BEAM TO COLUMN CONNECTIONS SHALL BE DESIGNED AS "SIMPLE CONNECTIONS", AND SHALL BE SHOP WELDED AND FIELD BOLTED. SHEAR CONNECTIONS SHALL BE DESIGNED FOR THE REACTION SHOWN ON PLANS, WHICH ARE UNFACTORED, BASED ON WORKING LOADS. IF NO REACTION IS SHOWN, THE CONNECTION SHALL BE DESIGNED FOR 50% OF THE TOTAL LOAD CAPACITY LISTED ON THE TABLE: "MAXIMUM TOTAL UNIFORM LOAD" (Tbl. 3–6), OF THE AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION. IN NO CASE, HOWEVER, SHOULD ANY CONNECTION BE DESIGNED FOR LESS THAN 7 KIPS, UNFACTORED.

6. SHEAR CONNECTIONS NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED AND DETAILED BY THE STRUCTURAL STEEL FABRICATOR UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF TEXAS, USING THE DESIGN PARAMETERS INDICATED ON NOTE NO. 5 ABOVE.

7. CONNECTIONS INDICATED AS MOMENT CONNECTIONS IN THE STRUCTURAL DRAWINGS SHALL BE DESIGNED TO RESIST THE FULL MOMENT CAPACITY OF THE SUPPORTED SHEAR CONNECTIONS IN MOMENT CONNECTIONS MAY BE EITHER WELDED OR BOLTED, AT STEEL FABRICATOR'S OPTION.

8. PROVIDE STIFFENERS AT ALL LOCATIONS SHOWN ON DETAILS, WHETHER OR NOT THEY ARE REQUIRED BY CALCULATIONS.

9. ALL COLUMN BASE PLATES SHALL BE FULLY GROUTED, WITH NO VOIDS, IMMEDIATELY AFTER THE FRAME ERECTION IS COMPLETED AND PLUMBED, AND PRIOR TO POURING THE TOPPING SLABS FOR FLOORS OR APPLYING DECKING TO ROOF JOISTS.

OPEN WEB STEEL JOISTS

1. STRUCTURAL STEEL JOISTS SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH THE LATEST SJI SPECIFICATIONS.

2. ALL STEEL JOISTS SHALL HAVE DOUBLE ANGLES TOP AND BOTTOM CHORDS. ALL SECOND AND THEIR EXTERIOR BAYS SHALL HAVE DIAGONAL BRIDGING. ALL OTHER BAYS SHALL HAVE STRAIGHT BRIDGING. ALL BRIDGING SHALL DESIGNED, DETAILED AND FABRICATED IN ACCORDANCE WITH THE LATEST SJI SPECIFICATIONS.

3. ALL STEEL JOISTS SHALL BE DESIGNED AND BRACED FOR THE NET UPLIFT LOAD SPECIFIED. THE DESIGN SHALL BE IN ACCORDANCE WITH THE LATEST SJI AND IBC SPECIFICATIONS.

4. ALL JOISTS SHALL HAVE POSITIVE CAMBER AS RECOMMENDED BY SJI SPECIFICATIONS FOR THE SPANS SHOWN, UNLESS NOTED OTHERWISE.

5. EXTEND BOTTOM CHORD OF ALL ROOF JOISTS CENTERED ON COLUMNS AND WELD THE BOTTOM CHORD TO THE COLUMN. DO NOT CONNECT BOTTOM CHORD UNTIL THE ROOF DEAD LOAD IS APPLIED. REFER TYPICAL DETAIL.

6. EXTEND BOTTOM CHORD OF ALL ROOF JOISTS NEAREST THE BEAM CENTERED AND WELD THE BOTTOM CHORD TO THE BEAM. DO NOT CONNECT BOTTOM CHORD UNTIL THE ROOF DEAD LOAD IS APPLIED. REFER TYPICAL DETAIL.

7. U.N.O. ON THE DRAWINGS JOIST SEATS SHALL BE 2–1/2" FOR K SERIES JOIST AND 5" FOR LH JOISTS.

8. U.NO.O. ON THE DRAWINGS ALL JOISTS SHALL HAVE ONE SHOP COAT OF STANDARD IRON OXIDE PRIMER, WITH A MINIMUM FRY FILM THICKNESS OF 1.0 MILS.

9. DESIGN JOISTS WHICH SUPPORT EQUIPMENT AS SPECIAL JOISTS. DESIGN THE JOISTS FOR THE LOADS NOTED ON THE PLANS IN ADDITION TO THE UNIFORM LOAD CAPACITY OF THE SPECIFIED JOIST. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ACTUAL SIZES WEIGHT OR LOCATIONS DIFFER FROM THOSE SHOWN ON THE PLANS. DISTRIBUTE THE LOAD TO THE JOIST IN ACCORDANCE WITH THE NUMBER OF JOISTS THAT CARRY THE LOAD, AS FOLLOWS :

   A. 2 JOISTS ..... 60% OF THE LOAD TO EACH JOIST
   B. 3 JOISTS ..... 40% OF THE LOAD TO EACH JOIST
   C. 4 JOISTS ..... 30% OF THE LOAD TO EACH JOIST

10. DESIGN JOISTS WITH THE "SP" DESIGNATION AS SPECIAL JOISTS. DESIGN FOR LOADS NOTED ON PLAN IN ADDITION TO THE UNIFORM LOAD CAPACITY OF THE SPECIFIED JOIST.

11. DESIGN CALCULATIONS FOR SPECIAL JOISTS SHALL BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF TEXAS, AND SHALL BE INCLUDED WITH THE SHOP DRAWINGS FOR REVIEW.

12. ALL CONCENTRATED LOADS EXCEEDING 50 LBS SHALL BE LOCATED AT THE JOIST PANEL POINTS. OR THE JOIST CHORD SHALL BE REINFORCED IN ACCORDANCE WITH THE "JOIST STIFFENERS" TYPICAL DETAIL.

13. IF BEAM FLANGES ARE NOT WIDE ENOUGH TO ACCOMMODATE BEARING SEATS FROM BOTH SIDES, JOIST SEATS MAY BE OFFSET AND OVERLAPPED. THE CONTRACTOR SHALL COORDINATE THE DECK LAYOUT SO THE END LAPS OCCUR OVER OFFSET JOISTS. JOISTS AT COLUMN LINES SHALL BE KEPT AS SHOWN SO THAT THEY BRACE THE COLUMNS WITH EXTENDED BOTTOM CHORDS.

14. JOISTS MANUFACTURER SHALL DESIGN JOIST TOP CHORD EXTENSIONS FOR A UNIFORM TOTAL LOAD OF 240 PLF, OF WHICH 120 PLF IS LIVE LOAD. LIMIT DEFLECTION OF TOP CHORD EXTENSION TO L/120 FOR TOTAL LOAD AND L/180 FOR LIVE LOAD. LENGTH OF THE TOP CHORD.

15. PROVIDE ALL NECESSARY ERECTION BRIDGING ETC. IN COMPLIANCE WITH OSHA REGULATIONS GOVERNING SAFETY IN THE WORKPLACE. CONDITIONS SHOWN ON THE DRAWINGS ARE ADEQUATE FOR FINAL IN PLACE CONDITION AND DO NOT PROVIDE FOR CONSTRUCTION SAFETY.

16. REFER TO THE ROOF PLANS FOR JOIST TOP CHORD TO BE DESIGNED AS A DRAG STRUT FOR HORIZONTAL FORCES (NOTED H = X KIPS) IN COMBINATION WITH GRAVITY THIS LOAD MAY BE EITHER TENSION OR COMPRESSION.

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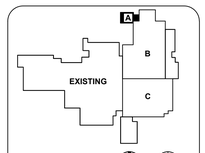
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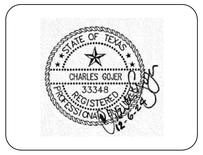
DAVID W. CARTER HIGH SCHOOL RENOVATIONS AND ADDITION

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DALLAS, TX 75232
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CLIENT LOGO

DALLAS INDEPENDENT SCHOOL DISTRICT





CLIENT
CLIENT NAME

DATE	PROJECT NUMBER
2024.12.06	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

STRUCTURAL ABBREVIATIONS AND GENERAL NOTES

S-101

23–105\STRUCT\23105S11.DWG / 3/4=1'–0" / DEC 05, 2024 / 6:43 PM / CHARLES /

GENERAL NOTES CONT.

COMPOSITE STEEL FLOOR FRAMING NOTES

1. COMPOSITE STEEL BEAMS ARE INDICATED ON THE PLANS THUS:

   W16X31 (28) C = 2 3/4"

   WHERE 28 IS THE TOTAL NUMBER OF SHEAR STUDS BETWEEN SUPPORTS AND 2 3/4" IS THE BEAM CAMBER (IF ANY), END REACTIONS FOR SIZING CONNECTIONS ARE SHOWN AT EACH END (KIPS- SERVICE LEVEL). DP NOT USE AISC SPAN TABLES FOR DETERMINING END REACTIONS. WHERE NO REACTION IS GIVEN, DESIGN CONNECTION TO DEVELOP THE FULL SHEAR CAPACITY OF THE WEB, OR CONTACT THE ENGINEER.

2. COMPOSITE STEEL BEAMS DO NOT REQUIRE SHORING TO SUPPORT THE WET WEIGHT OF CONCRETE. BEAMS WILL BE HIGHLY STRESSED AS CONCRETE IS PLACED AND MUST BE POSITIVELY BRACED BY THE METAL DECK CONNECTIONS. DO NOT EXCEED CONCRETE THICKNESSES SHOWN.

3. WARNING: IN NONSHORED CONSTRUCTION, EXCESSIVE CONCRETE WEIGHT DURING CASTING CAN CAUSE SUPPORTING BEAMS TO COLLAPSE. DO NOT, UNDER ANY CIRCUMSTANCES, EXCEED THE DESIGN SLAB THICKNESS BY MORE THAN 3/4 INCH. CAREFULLY CHECK BEAM CAMBERS AND RETURN ANY FOUND TO BE OUT OF TOLERANCE TO THE SHOP FOR CORRECTION (SEE SPECIFICATIONS).

4. PRIOR TO ERECTING THE FIRST COMPOSITE BEAMS, THE CONTRACTOR SHALL CALL A SPECIAL PRE-CONSTRUCTION MEETING WITH APPLICABLE SUBCONTRACTORS, TESTING LABORATORY, ARCHITECT AND STRUCTURAL ENGINEER TO REVIEW ALL REQUIREMENTS AND ESTABLISH A QUALITY CONTROL PROCEDURE.

5. THE FINISHED COMPOSITE FLOOR SHALL NOT BE LOADED WITH CONSTRUCTION MATERIALS BEFORE THE CONCRETE HAS ATTAINED 75 PERCENT OF ITS SPECIFIED STRENGTH.

6. ALL SHEAR STUDS SHALL BE FIELD APPLIED, UNLESS OTHERWISE NOTED. SIZE SHALL BE SELECTED FROM THE FOLLOWING TABLE DEPENDING ON DECK AND SLAB DIMENSIONS:

DECK	SLAB	SHEAR STUDS
3"	4.5"	3/4" DIA. X 6"

7. PLACE THE INDICATED NUMBER OF SHEAR STUDS ALONG THE LENGTH OF THE BEAM OR BEAM SEGMENT AS SHOWN IN THE SHEAR STUD PLACEMENT DIAGRAMS. STUDS SHALL BE EQUALLY SPACED IN A SINGLE ROW WHERE POSSIBLE, ALLOWING A SINGLE STUD IN THE DECK FLUTES, WHERE APPLICABLE. WHERE ADDITIONAL STUDS ARE REQUIRED TO OBTAIN THE SPECIFIED NUMBER OF STUDS IN A LENGTH OF BEAM, PLACE STUDS IN TANDEM PAIRS PER THE "SHEAR STUD TYPICAL DETAIL" SHOWN ON THE "COMPOSITE BEAM DETAIL DRAWING"SHEET NO. S602. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING PROPER STUD LAYOUT FOR EACH BEAM PRIOR TO INSTALLATION OF STUDS IN THE FIELD. REFER TO TYPICAL DETAILS FOR PLACEMENT OF SHEAR STUDS ON BEAMS.

8. WHERE MULTIPLE NUMBER OF STUDS ARE SHOWN FOR A BEAM, PLACE EACH QUANTITY OF STUDS IN THE CORRESPONDING BEAM SEGMENT WHERE THE NUMBER IS SHOWN.

9. PROVIDE ADDITIONAL STUDS AS REQUIRED TO SATISFY THE MAXIMUM SPACINGS SHOWN AS PER THE SHEAR STUD PLACEMENT DIAGRAM TYPICAL DETAIL SHOWN ON THE COMPOSITE BEAM DETAIL DRAWING"SHEET NO. S602. WHERE NO STUDS ARE CALLED FOR ON A BEAM SEGMENT SUPPORTING METAL FLOOR DECK, PROVIDE A MINIMUM NUMBER TO SATISFY THE FOLLOWING MAXIMUM STUD SPACINGS:

   24"ON BEAMS PERPENDICULAR TO DECK RIBS
   24"ON BEAMS PARALLEL OR SKEWED TO DECK RIBS

10. PROVIDE CAMBER IN MEMBERS WHERE INDICATED. SPECIFIED CAMBER APPLIES AT JOBSITE, JUST PRIOR TO ERECTION, LYING DOWN FLAT SO THAT MEMBER WEIGHT HAS NO EFFECT. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT OR COMPENSATE FOR CAMBER LOSS DURING SHIPMENT. MEASURED CAMBER IN MEMBERS UP TO 50'-0" LONG SHALL BE WITHIN A TOLERANCE OF -0"TO +1/2" FROM AMOUNT SPECIFIED. FOR MEMBERS GREATER THAN 50'-0"LONG, BOTH POSITIVE AND NEGATIVE TOLERANCE MAY INCREASE 1/8"FOR EVERY 10'-0"OF LENGTH IN EXCESS OF 50'-0". MEMBERS WITH A FIELD MEASURED CAMBER OUTSIDE OF SPECIFIED TOLERANCE SHALL BE RETURNED TO SHOP.

11. SUPPORT CAMBERED MEMBERS DURING SHIPMENT AND HANDLING IN A MANNER WHICH WILL NOT RESULT IN LOSS OF CAMBER.

12. THE CONTRACTOR SHALL MEASURE AND RECORD CAMBER OF ALL BEAMS UPON ARRIVAL AND BEFORE ERECTION FOR COMPLIANCE WITH THE SPECIFIED CAMBER. MEASURE LYING FLAT WITH WEB HORIZONTAL. MEMBERS OUTSIDE THE CAMBER TOLERANCE SHALL BE RETURNED TO THE SHOP FOR CORRECTION. CAMBERS MEASURED BY THE CONTRACTOR ARE TO BE VERIFIED BY THE OWNER'S TESTING LABORATORY.

13. SET HORIZONTAL MEMBERS WITH THEIR NATURAL CAMBER (OR SPECIFIED CAMBER) UP.

14. DESIGN OF COMPOSITE STEEL BEAMS AND DETAILS FOR CONTRUCTION ARE BASED ON THE FOLLOWING DECK SYSTEMS:

    COMPOSITE METAL DECK BY :
    VULCRAFT DIVISION OF NUCOR CORPORATION.

	TYPE	DEPTH	GAUGE
DECK TYPE I ---	VL OR VLI	3"	18 GA

15. USE CONCRETE AS FOLLOWS :

    DECK TYPE I :
    NORMAL WEIGHT CONCRETE (145 PCF)
    FILL THICK ABOVE FLUTE = 3 1/2".
    SLAB TOTAL THICKNESS = 6 1/2"

16. DECK SHALL BE INSTALLED IN THREE SPAN LENGTHS AT ALL POSSIBLE LOCATIONS. TWO SPAN AND SINGLE SPAN LENGTHS OF DECK LONGER THAN 10'- 0"PER SPAN SHALL BE SHORED TO SUPPORT CONSTRUCTION LOADS AND THE WEIGHT OF WET CONCRETE. AT THE CONTRACTOR'S OPTION PROPERLY SIZED, HEAVIER GAUGE DECK, INSTALLED IN SINGLE SPAN LENGTHS, MAY BE USED TO ELIMINATE THE NEED FOR SHORING.

17. INTERMEDIATE SHORING OF THREE SPAN LENGTHS OF DECK TO SUPPORT CONSTRUCTION LOADS AND WET CONCRETE IS NOT REQUIRED, UNLESS SHOWN OTHERWISE ON THE DRAWINGS.

18. REINFORCE THE SLAB OVER THE METAL DECK WITH WELDED WIRE MESH, FURNISHED IN FLAT SHEETS. USE 6X6 -W2.9 x W2.9 -U.N.O.

19. PLACE AN EXTRA LAYER OF WIRE MESH 6'-0" WIDE AT THE TOP OF THE SLAB ABOVE ALL INTERIOR GIRDERS WHICH RUN PARALLEL TO THE DECK SPAN.

20. PLACE SUPPORTS FOR WIRE MESH ON METAL DECK, SO THAT THE MESH IS MAINTAINED IN POSITION 3/4"BELOW THE TOP OF SLAB.

21. METAL DECK SHALL, IN GENERAL, BE FASTENED TO STEEL FRAMEWORK BY WELDING SHEAR STUDS THROUGH THE DECK. IF FIELD WELDED SHEAR STUDS THROUGH METAL DECK ARE NOT CALLED FOR IN SCHEDULE OR ON DRAWINGS, DECK SHALL BE WELDED TO STEEL FRAMEWORK BY PUDDLE WELDS NOT LESS THAN 3/4"DIAMETER, SPACED NOT MORE THAN 1'-0". WHERE SHEAR STUD SPACING EXCEEDS SPECIFIED MAXIMUM DECK WELD SPACING, USE ADDITIONAL PUDDLE WELDS AT 1'-0"BETWEEN STUDS. WHERE 2 UNITS ABUT, EITHER END TO END OR SIDE TO SIDE, EACH SHALL BE SO FASTENED TO STEEL FRAMING.

22. SIDES OF ADJACENT UNITS SHALL BE JOINED BY WELDING 1"LONG FUSION WELDS OR BUTTON PUNCHING AT A MAXIMUM SPACING OF 36" BETWEEN SUPPORTS.

23. UNLESS OTHERWISE INDICATED IN THE DETAILS, METAL EDGE FORM SHALL BE 14 GAUGE COLD FORMED STEEL, WELDED AT SUPPORTING BEAM FLANGE AT 12"ON CENTER.

24. DEFLECTION OF DECK AND/OR STEEL WILL TAKE PLACE WHEN CONCRETE IS POURED. THE SPECIFIED CONCRETE SLAB THICKNESS SHALL BE MAINTAINED AT COLUMN LOCATIONS. SLAB THICKNESS AWAY FROM THE COLUMNS WILL VARY DUE TO BEAM AND DECK DEFLECTIONS. MINIMUM THICKNESS OF CONCRETE REQUIRED MUST BE PROVIDED AND TOP SURFACES OF SLABS MUST BE CONSTRUCTED WITHIN SPECIFIED TOLERANCES. WHERE THERE IS RESIDUAL CAMBER IN STEEL BEAMS, FINISHED CONCRETE SURFACE SHALL FOLLOW CAMBER OF BEAMS, BUT FINISHED SURFACE SHALL NOT VARY BY MORE THAN 1/4"FROM ONE BEAM TO ANOTHER ADJACENT BEAM, NOR 1/2" TOTAL FOR LENGTH TO FLOOR. CAMBERED BEAMS ARE INTENDED TO DEFLECT TO APPROXIMATELY A STRAIGHT LINE UNDER FULL WEIGHT OF CONCRETE SLAB, IF ALL TOP OF STEEL ELEVATIONS AND CAMBERS ARE AS SPECIFIED IN THE DRAWINGS. THE CONTRACTOR SHALL BE FAMILIAR WITH THE CONDITIONS OF THE PROJECT AND FURNISH THE MATERIALS REQUIRED TO CREATE THE SPECIFIED FLOOR ELEVATION. NO ADJUSTMENT WILL BE MADE TO CONTRACT PRICE FOR ADDITIONAL CONCRETE REQUIRED BECAUSE OF DEFLECTION OF DECK OR STEEL OR DUE TO DIFFERENTIAL CAMBER.

SHEAR CONNECTORS

1. SHEAR CONNECTOR WORK SHALL CONFORM TO THE SPECIFICATION FOR DESIGN OF STRUCTURAL STEEL BUILDINGS (AISC 2016), AND THE STRUCTURAL WELDING CODE – STEEL (AWS D1.1–2016).

2. FRAMED FLOOR CONSTRUCTION, IN GENERAL, CONSISTS OF CONCRETE CAST ON STEEL DECK ACTING COMPOSITELY WITH THE STRUCTURAL STEEL BEAMS BY MEANS OF WELDED SHEAR CONNECTORS.

3. SHEAR CONNECTORS SHALL CONFORM TO ASTM A108, WITH A MINIMUM ULTIMATE TENSILE STRENGTH OF 65 KSI. SHEAR CONNECTORS SHALL BE 3/4" DIAMETER HEADED STUDS EXTENDING NOT LESS THAN 1–1/2" ABOVE THE TOP OF THE STEEL DECK WITH A MINIMUM OF 1/2" CONCRETE COVER, UNLESS NOTED OTHERWISE.

4. SHEAR CONNECTORS SHALL BE EQUALLY SPACED OVER THE LENGTH OF THE BEAM OR BETWEEN CONCENTRATED LOADS AS SHOWN IN THE DRAWINGS. THE NUMBER OF SHEAR CONNECTORS REQUIRED PER BEAM IS INDICATED BY (32), ETC. ON THE DRAWINGS. WHERE THE NUMBER OF STEEL DECK CORRUGATIONS AVAILABE IS LESS THAN THE NUMBER OF SHEAR CONNECTORS, USE PAIRS OF SHEAR CONNECTORS STARTING FROM EACH END OF BEAM AND CONTINUING TOWARD THE CENTER UNTIL IT IS POSSIBLE TO RETURN TO A SINGLE SHEAR CONNECTOR IN EACH CORRUGATION.

5. THE MINIMUM CENTER TO CENTER SPACING OF STUD CONNECTORS SHALL BE 6 DIAMETERS ALONG THE LONGITUDINAL AXIS OF THE SUPPORTING STEEL BEAM AND 4 DIAMETERS TRANSVERSE TO THE LONGITUDINAL AXIS OF THE SUPPORTING STEEL BEAM, EXCEPT THAT WITHIN THE RIBS OF FORMED STEEL DECKS ORIENTED PERPENDICULAR TO THE THE SUPPORTING STEEL BEAM THE MINIMUM CENTER TO CENTER SPACING SHALL BE 4 STUD DIAMETERS IN ALL DIRECTIONS.

6. WHERE NO SHEAR CONNECTORS ARE INDICATED FOR A BEAM WHICH SUPPORTS A CONCRETE SLAB, PROVIDE SHEAR CONNECTORS AT A MINIMUM SPACING OF 24" O.C. TYPICAL, AND AT 12" O.C. MAX. AT ALL BRACED FRAME GIRDERS.

7. SHEAR CONNECTORS SHALL HAVE AT LEAST 1 IN. OF LATERAL CONCRETE CLEAR COVER (MEASURED TO THE STUD HEAD) EXCEPT FOR CONNECTORS INSTALLED IN THE RIBS OF FORMED STEEL DECKS.

8. THE DISTANCE FROM THE CENTER OF A SHEAR CONNECTOR TO THE EDGE OF FLANGE OF A STRUCTURAL STEEL BEAM SHALL PREFERABLY BE 2", BUT IN NO CASE LESS THAN 1–1/4".

STEEL FLOOR DECK

1. STEEL FLOOR DECK FABRICATION AND ERECTION SHALL CONFORM TO THE LATEST STEEL DECK INSTITUTE SPECIFICATIONS.

2. STEEL FLOOR DECK OF TYPE AND GAGE AS SPECIFIED ON THE DRAWINGS SHALL BE INSTALLED IN THREE–SPAN LENGTHS ONLY. DECK SUPPLIER SHALL PROVIDE HEAVIER GAGE AS REQUIRED FOR ONE AND TWO–SPAN CONDITIONS.

3. STEEL FLOOR DECK SHALL INCLUDE ANY MISCELLANEOUS CLOSURE PIECES, METAL SCREEDS, DRAIN SUMP PANS, REINFORCING AROUND OPENINGS, ETC. REQUIRED TO MAKE A COMPLETE JOB. MISCELLANEOUS ITEMS SHALL BE GALVANIZED AND SHALL BE NO THINNER THAN 16 GAGE.

4. DUE ALLOWANCE SHALL BE MADE FOR DEFLECTION OF UNSHORED SLABS. NO ADDITIONAL PAYMENTS WILL BE MADE FOR EXTRA CONCRETE USED TO FINISH SURFACES TO REQUIRED ELEVATIONS.

5. STEEL FLOOR DECK SHALL NOT BE USED TO SUPPORT PIPING OR OTHER UTILITIES.

6. STEEL FLOOR DECK SHALL BE PUDDLE WELDED (5/8" DIAMETER MINIMUM) TO THE SUPPORTS AT 12" CENTERS MAXIMUM WITH THE FIRST AND LAST RIBS OF EACH SHEET WELDED TO THE SUPPORTS. FASTEN SIDE LAPS AT INTERVALS NOT EXCEEDING 36" BY #10 SELF DRILLING SCREWS, CRIMPING OR BUTTON PUNCHING, OR 5/8" PUDDLE OR 1" LONG FILLET WELDS. THE HEADED STUDS IN COMPOSITE CONSTRUCTION MAY BE SUBSTITUED FOR PUDDLE WELDS AT SUPPORTS. PUDDLE WELDS SHALL BE IN ACCORDANCE WITH SDI SPECIFICATIONS.

7. STEEL FLOOR DECK SHALL BE GALVANIZED (G–60), UNLESS NOTED OTHERWISE.

8. STEEL FLOOR DECK CROSS SECTIONS ARE ONLY REPRESENTED DIAGRAMMATICALLY ON THE DRAWINGS.

METAL ROOF DECK

1. THE METAL ROOF DECK IS REQUIRED TO ACT AS A STRUCTURAL DIAPHRAGM, AND SHALL BE FASTENED AS NOTED ON THE STRUCTURAL DRAWINGS AND IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. WELDS AND SCREWS ARE CRITICAL TO THE SUCCESSFUL PERFORMANCE OF THE DIAPHRAGM.

2. ROOF DECK SHALL BE 1 1/2" DEEP, X 20 GAUGE, 6" RIB, GALVANIZED METAL DECK, WITH 6" RIB SPACING, MEETING THE REQUIREMENTS OF THE STEEL DECK INSTITUTE.

3. TYPICAL DECK CONNECTIONS SHALL BE AS FOLLOW:

   AT EACH SUPPORT: PUDDLE WELDS AT EACH SIDE LAP AND AT INTERMEDIATE RIBS NOT TO EXCEED 12" ON CENTER.

   AT SIDE LAPS: SCREWS EQUALLY SPACED BETWEEN SUPPORTS, NOT TO EXCEED 24" ON CENTER.

   AT EXTERIOR SIDES, PARALLEL TO DECK SPAN: PUDDLE WELDS AT 12" ON CENTER.

   DECK CONNECTIONS WITHIN 10 FEET OF THE ROOF PERIMETER SHALL BE AS FOLLOWS:
   AT EACH SUPPORT: PUDDLE WELDS AT EACH SIDE LAP AND AT INTERMEDIATE RIBS NOT TO EXCEED 6".

   AT SIDE LAPS: SCREWS AT 16" BETWEEN SUPPORTS.

   AT EXTERIOR SIDES, PARALLEL TO DECK SPAN: PUDDLE WELDS AT 6".

4. THE METAL ROOF DECK SHALL BE CONTINUOUS OVER THREE OR MORE SPANS.

5. DO NOT SUPPORT LIGHTS, DUCTWORK, CEILING OR OTHER HANGING LOADS FROM METAL ROOF DECK.

GENERAL

1. ALL MEMBERS AND MATERIALS COVERED UNDER THESE GENERAL NOTES AND THE CONSTRUCTION DOCUMENTS SHALL AS A MINIMUM BE INSPECTED IN ACCORDANCE WITH THE IBC 2021 CODE CHAPTER 17 : STRUCTURAL TESTS AND SPECIAL INSPECTIONS

2. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION AND SIZES OF SMALL MECHANICAL OPENINGS, SLEEVES, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS.

3. REFER TO ARCHITECTURAL DRAWINGS FOR ALL FINISHES, DIMENSIONS OF SLAB DROPS, CHAMFERS, ETC.

4. THE USE OF REPRODUCTIONS OF THE DESIGN STRUCTURAL DRAWINGS FOR SHOP DRAWING PURPOSES IS NOT ACCEPTABLE.

5. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THAT THE NEW STRUCTURE WILL NOT CONFLICT WITH ANY EXISTING UTILITIES. IF CONFLICTS ARISE, THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER, AND SHALL STOP THE WORK UNTIL AN APPROPRIATE SOLUTION TO THE CONFLICTS ARE FOUND, AND THE CONTRACTOR IS GIVEN WRITTEN AUTHORIZATION TO PROCEED WITH THE WORK.

6. IN THIS BID, THE CONTRACTOR SHALL INCLUDE AN ALLOWANCE OF 3,000 LBS OF STRUCTURAL STEEL FOR SUPPLEMENTARY STRUCTURAL ELEMENTS, TO BE FURNISHED AND INSTALLED AS DIRECTED BY THE ARCHITECT OR THE STRUCTURAL ENGINEER DURING THE CONSTRUCTION PHASE.

7. ALL MISCELLANEOUS ANGLES, CHANNELS, TUBES ETC. REQUIRED FOR THE PRIMARY STRUCTURE ARE AS SHOWN AND SIZED ON THE STRUCTURAL DRAWINGS. ANY ADDITIONAL MISCELLANEOUS MEMBERS REQUIRED FOR THE SECONDARY SYSTEMS SHALL BE FURNISHED AS REQUIRED AND SIZED AS SHOWN ON THE ARCHITECTURAL, AND MECHANICAL DRAWINGS. IN THE EVENT THAT THE NUMBER AND SIZE OF SECONDARY BRACING MEMBERS SHOWN GRAPHICALLY ON ANY OTHER DRAWINGS ARE OMITTED, ASSUME L3X3X1/4 (LENGTH AS SCALED) SPACED AT 48" O.C. MAXIMUM FOR BIDDING PURPOSES. ALSO ASSUME ANY TUBES SHOWN BUT NOT SIZED TO BE HSS4X4X1/4 (LENGTH AND SCALED) FOR BIDDING PURPOSES.

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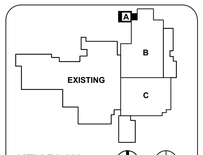
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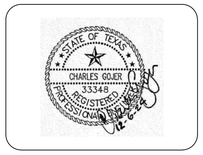
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CLIENT LOGO

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



CLIENT
CLIENT NAME

DATE	PROJECT NUMBER
2024.12.06	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

GENERAL NOTES CONTINUED

S-102

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REQUIRED SPECIAL INSPECTIONS

NOTES

1. THE OWNER SHALL EMPLOY QUALIFIED SPECIAL INSPECTORS TO PERFORM INSPECTIONS IN ACCORDANCE WITH THE 2021 INTERNATIONAL BUILDING CODE. INSPECTORS SHALL PERFORM ALL DUTIES AND RESPONSIBILITIES AS REQUIRED BY THE BUILDING CODE. JOB SITE VISITS BY THE STRUCTURAL ENGINEER DO NOT CONSTITUTE AND ARE NOT A SUBSTITUTE FOR SPECIAL INSPECTIONS.
2. THE FOLLOWING SCHEDULE CONTAINS A LIST OF THE SPECIAL INSPECTION ACTIVITIES RELATED TO THE QUALITY ASSURANCE PLAN REQUIRED BY THE 2021 INTERNATIONAL BUILDING CODE (IBC CHAPTER 17) FOR THE FABRICATION, ERECTION AND CONSTRUCTION OF THE STRUCTURAL SYSTEMS AS DESCRIBED IN THE SPECIFICATION AND DRAWINGS FOR THE PROJECT. ALL INSPECTORS SHALL BE QUALIFIED BY TRAINING AND EXPERIENCE FOR THE REQUIRED INSPECTIONS AND TEST PROCEDURES. REFER TO IBC CHAPTER 17 "STRUCTURAL TESTS AND SPECIAL INSPECTIONS", AND SPECIFICATION SECTION 01 45 23 "TESTS AND INSPECTIONS", FOR SPECIFIC TEST PROCEDURES.
3. TESTING AND INSPECTION REPORTS SHALL BE PREPARED FOR EACH INSPECTION ITEM ON A DAILY BASIS WHENEVER INSPECTIONS ARE MADE ON THAT ITEM. REPORTS SHALL BE DISTRIBUTED TO THE OWNER, CONTRACTOR, ARCHITECT, STRUCTURAL ENGINEER, AND BUILDING OFFICIAL (IF REQUESTED), FOR THEIR REVIEW, COMMENT, AND ACTION, AS NEEDED.
4. ARCHITECTURAL, MECHANICAL AND ELECTRICAL COMPONENTS REQUIRING SPECIAL INSPECTIONS PER SECTION 1705 OF THE 2012 IBC HAVE NOT BEEN LISTED HERE. REFER TO ARCH/MEP FOR SPECIAL INSPECTION REQUIREMENTS FOR THESE COMPONENTS.
5. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THESE TESTS AND INSPECTIONS ARE PERFORMED.

STRUCTURAL STEEL

REQUIRED VERIFICATION AND INSPECTION OF STRUCTURAL STEEL

		VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1.		MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS				
	A.	IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	–	X	APPLICABLE ASTM MATERIAL STANDARDS; AISC 360, SECTION A3.3	
	B.	MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	–	X	–	–
	C.	VERIFY CORRECT STURCTURAL STEEL MATERIAL DELIVERED TO JOBSITE.		X		
2.		INSPECTION OF HIGH-STRENGTH BOLTING				
	A.	SNUG-TIGHT JOINTS.	–	X	AISC 360, SECTION M2.5	–
	B.	PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	–	X		
	C.	PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	X	–		
	D.	VERIFY CORRECT MATERIAL USED FOR HIGH-STRENGTH BOLTS, NUTS AND WASHERS		X		
3.		MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:				
	A.	FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360.	–	X	AISC 360 SECT. M5.5	
	B.	FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	–	X	APPLICABLE ASTM STANDARDS	
	C.	MANUFACTURER'S CERTIFIED TEST REPORTS.	–	X		
4.		MATERIAL VERIFICATION OF WELD FILLER MATERIALS:				
	A.	IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	–	X	AISC 360, SECTION A3.5 AND APPLICABLE AWS A5 DOCUMENTS	
	B.	MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	–	X	–	
	C.	VERIFY CORRECT FILLER MATERIAL USED IN WELDS		X		
5.		INSPECTION OF WELDING:				
	A.	STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:				
		1) ULTRASONIC OR MAGNETIC PARTICLE TESTING ON ALL FULL PENETRATION WELDS	X	–	AWS D1.1	1705.2.1
		2) PARTIAL JOINT PENETRATION GROOVE WELDS	X			
		a) PERFORM LIQUID DYE PENETRATION TESTING ON 20% OF PARTIAL PENETRATION GROOVE WELDS		X		
		3) MULTIPASS FILLET WELDS.	X	–		
		a) PERFORM LIQUID DYE PENETRATION TESTING ON 20% OF MULTIPASS FILLET WELDS		X		
		4) SINGLE-PASS FILLET WELDS > 5/16"	X	–		
		5) PLUG AND SLOT WELDS.	X	–		
		6) SINGLE-PASS FILLET WELDS < = 5/16"	–	X		
		7) FLOOR AND ROOF DECK WELDS.	–	X	AWS D1.3	
	B.	REINFORCING STEEL:				
		1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.	X	–	AWS D1.4 ACI 318; 26.6.4	
		2) SHEAR REINFORCEMENT.	X	–		
		3) OTHER REINFORCING STEEL	–	X		
	C.	VISUALLY INSPECT ALL WELDS		X	AWS D1.1	
	D.	VERIFY JOINT WELD PROCEDURES IN ACCORDANCE WITH AWS		X		
	E.	VERIFY CONTRACTOR'S RECEIPT OF WELDER CERTIFICATES		X		
6.		INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE:				
	A.	DETAILS SUCH AS BRACING AND STIFFENING.	–	X	–	1705.2.3 1705.2.4
	B.	MEMBER LOCATIONS.	–	X		
	C.	APPLICATION OF JOINT DETAILS AT EACH LOCATION.	–	X		
7.		WHERE FABRICATION OF STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES IS BEING CONDUCTED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTION OF THE FABRICATED ITEMS SHALL CONFORM TO THE SPECIAL INSPECTION REQUIREMENTS OF IBC SECTION 1705, AS SUMMARIZED ABOVE, UNLESS THE FABRICATOR HAS BEEN APPROVED IN ACCORDANCE WITH IBC SECTION 1703				
8.		OBSERVE AND TEST FIELD APPLIED HEADED STUDS		X		
9.		VERIFY FABRICATOR CERTIFICATION		X		
10.		INSTALLATION OF OPEN-WEB STEEL JOIST & JOIST GIRDERS (REF. TABLE 1705.2.3. OF IBC)				
	A.	END CONNECTIONS - WELDING, OR BOLTED	–	X	SJI SPECIFICATIONS LISTED IN SECTION 2207.1	
	B.	BRIDGING - HORIZONTAL OR DIAGONAL	–			
		1) STANDARD BRIDGING	–	X	SJI SPECIFICATIONS LISTED IN SECTION 2207.1	
		2) BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1		X		

CONCRETE AND REINFORCING STEEL

GENERAL

	INSPECTION ITEM REQUIRED	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1.	TAKE CONCRETE SPECIMENS FOR STRENGTH TESTS TO BE PERFORMED IN LAB. A MINIMUM OF FIVE (5) CYLINDERS SHALL BE MADE. TEST TWO AT SEVEN DAYS, TWO AT 28 DAYS. THE FIFTH CYLINDER SHALL BE TESTED AT 28 DAYS IF ONE OR BOTH OF THE 28-DAY CYLINDER RESULTS ARE BELOW STRENGTH, IN ACCORDANCE WITH ACI 214.	X			
2.	PERFORM CONCRETE STRENGTH TESTING IN LAB	X			
3.	MAINTAIN A SPREADSHEET SHOWING THE DATE, SEQUENTIAL ORDER OF STRENGTH TEST RESULTS AND INDICATE THE RUNNING AVERAGE	X			
4.	OBSERVE FOR PROPER CONCRETE PLACEMENT	X			

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION (REF TABLE 1705.3 OF IBC 2015)

	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1.	INSPECT PLACEMENT OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS PRIOR TO THE CLOSING OF THE FORMS AND ARRIVAL OF CONCRETE ONSITE.	–	X	ACI 318: CH.20,25.2,25.3,26.6.1-26.6.3	1908.4
2.	INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5b.	X	–	AWS D1.4 ACI 318: 26.6.4	–
a)	VERIFY CORRECT MATERIALS USED INCLUDING THE USE OF A706 IN WELDED SPLICES, IF ANY		X		
3.	INSPECT BOLTS AND RODS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE	–	X	ACI 318: 17.8.2	–
4.	INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE.	X	–	ACI 318: 17.8.2.4	–
5.	VERIFYING USE OF REQUIRED DESIGN MIX.	–	X	ACI 318: CH.19, 26.4.3, 26.4.4	1904.1,1904.2 1908.2, 1908.3
6.	AT TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	–	ASTM C 172 ASTM C 31 ACI 318: 26.5, 26.12	1908.10
7.	INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	–	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8.	INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	–	X	ACI 318: 26.5.3-26.5.5	1908.9
9.	ERECTION OF PRECAST CONCRETE MEMBERS.	–	X	ACI 318: 26.9	–
10.	VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	–	X	ACI 318: 26.11.2	–
11.	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	–	X	ACI 318: 26.11-1.2(b)	–

REQUIRED VERIFICATION AND INSPECTION OF SOILS (REF TABLE 1705.6 OF IBC 2015)

	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1.	VERIFY MATERIALS BELOW SHALLOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		X	–	1705.6
2.	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	–	X	–	
3.	PERFORM CLASSIFICATIONS AND TESTING OF CONTROLLED FILL MATERIALS.	–	X	–	
4.	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT OF COMPACTION OF CONTROLLED FILL.	X	–	–	
5.	PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	–	X	–	

REQUIRED VERIFICATION AND INSPECTION OF SPRAY FIRE PROTECTION MATERIAL

	VERIFICATION AND INSPECTION	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1.	INSPECT SURFACE PREPARATION OF MEMBERS	X	–
2.	INSPECT APPLICATION CONDITIONS AND APPLIED THICKNESS	X	–
3.	TEST DENSITY AND BONDING STRENGTH & THICKNESS AT 10% OF ALL BEAMS, COLUMNS & BRACES	–	X

REQUIRED VERIFICATION AND INSPECTION OF CAST-IN-PLACE DEEP FOUNDATION ELEMENTS (REF TABLE 1705.8 OF IBC 2015)

	VERIFICATION AND INSPECTION	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1.	OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	X	–
2.	VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END-BEARINGS STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES.	X	–
3.	FOR CONCRETE ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.3	–	X

MASONRY CONSTRUCTION (REF TABLE 1.18.3 ACI 530)

	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1.	PROPORTIONS OF SITE MIXED MORTAR & GROUT	–	X	ACI 530: 1.18	1705.4
2.	COMPLIANCE OF SIZE AND LOCATION OF STRUCTURAL ELEMENTS	X	–	ACI 530: 1.18	1705.4
3.	COMPLIANCE OF TYPE SIZE, AND LOCATION OF ANCHORS INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION.	X	–	ACI 530: 1.18	1705.4
4.	COMPLIANCE OF PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40 DEGREES F.) OR HOT WEATHER (TEMPERATURE ABOVE 90 DEGREE F.)	–	X	ACI 530: 1.18	1705.4
5.	GRADE AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, PRE-STRESSING TENDONS AND ANCHORAGES	X	–	ACI 530: 1.18	1705.4
6.	PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS	X	–	ACI 530: 1.18	1705.4
7.	PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRE-STRESSING TENDONS AND ANCHORS	X	–	ACI 530: 1.18	1705.4
8.	GROUT SPACE PRIOR TO GROUTING	–	X	ACI 530: 1.18	1705.4
9.	PLACEMENT OF GROUT AND PRE-STRESSING GROUT FOR BONDED TENDONS	X	–	ACI 530: 1.18	1705.4
10.	OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	X	–	ACI 530: 1.18	1705.4
11.	SUBMITTALS FOR MATERIALS USED IN MASONRY CONSTRUCTION INDICATING COMPLIANCE WITH THE CONTRACT DOCUMENTS	–	X	ACI 530: 1.18	1705.4
12.	VERIFICATION OF F'M AND F'AAC IN ACCORDANCE WITH ARTICLE 1.4B PRIOR TO CONSTRUCTION FOR EVERY 5000 SF OF CONSTRUCTION	X	–	ACI 530: 1.18	1705.4
13.	VERIFICATION OF PROPORTIONS OF MATERIALS IN PRE-MIXED OR PRE-BLENDED MORTAR & GROUT, AS DELIVERED TO THE SITE.	–	X	ACI 530: 1.18	1705.4

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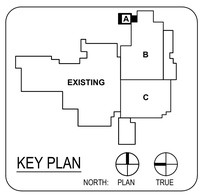
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BEAM
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DAVID W. CARTER HIGH SCHOOL RENOVATIONS AND ADDITION

ORG 023
1619 W WHEATLAND RD.
DALLAS, TX 75232
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CLIENT LOGO

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



CLIENT
CLIENT NAME

DATE	PROJECT NUMBER
2024.12.06	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

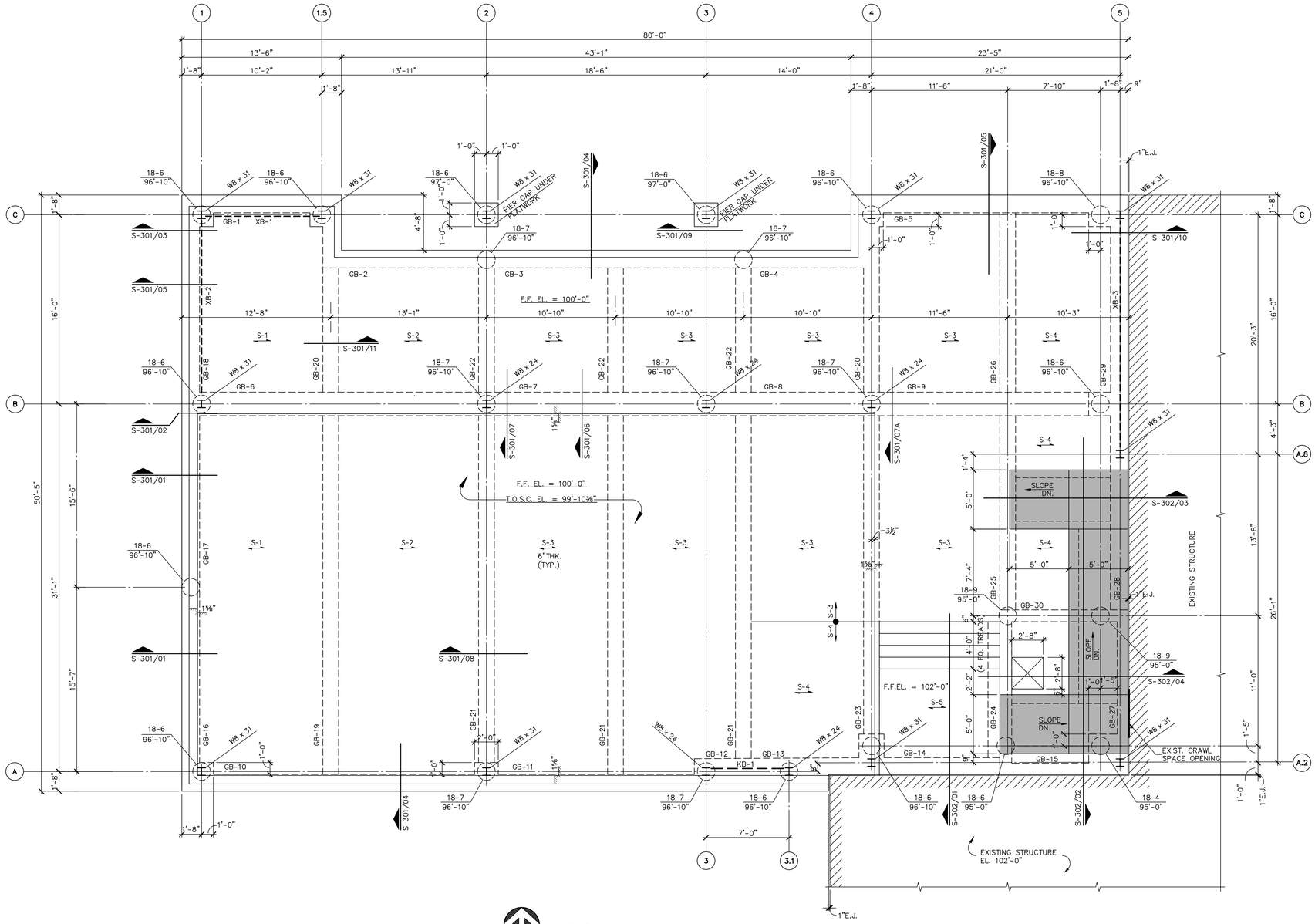
BUILDING NUMBER

REQUIRED SPECIAL INSPECTIONS

S103

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JOB NO. 23 - 105

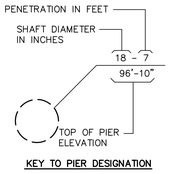
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PLAN NORTH

01 LEVEL 1 FLOOR FRAMING PLAN

SCALE: ¼"=1'-0"



KEY TO PIER DESIGNATION

PLAN NOTES:

1. REFER TO S-101 & S-102 FOR GENERAL NOTES AND ABBREVIATIONS.
2. REFER TO S-501 FOR SLAB AND GRADE BEAM SCHEDULES.
3. DRILLED PIERS SHALL BE CENTERED ON BEAMS AND WALLS THEY SUPPORT UNLESS OTHERWISE NOTED.
4. X-BRACE SHOWN THUS: XB
   K-BRACE SHOWN THUS: KB
   REFER TO SHEET S-502 FOR BRACING DETAILS.
5. FOR EXACT DIMENSIONS OF DEPRESSIONS AND SLOPES REFER ARCH'L. DRAWINGS.
6. REFER TO S-601 FOR TYPICAL DETAILS.

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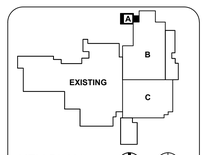
BUILDING ENVELOPE
BEAM
T.972-233-1323

DAVID W. CARTER HIGH SCHOOL RENOVATIONS AND ADDITION

ORG 023
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KEY PLAN NORTH: PLAN TRUE



CLIENT
CLIENT NAME

DATE	PROJECT NUMBER
2024.12.06	230050

DRAWING HISTORY

No.	Description	Date

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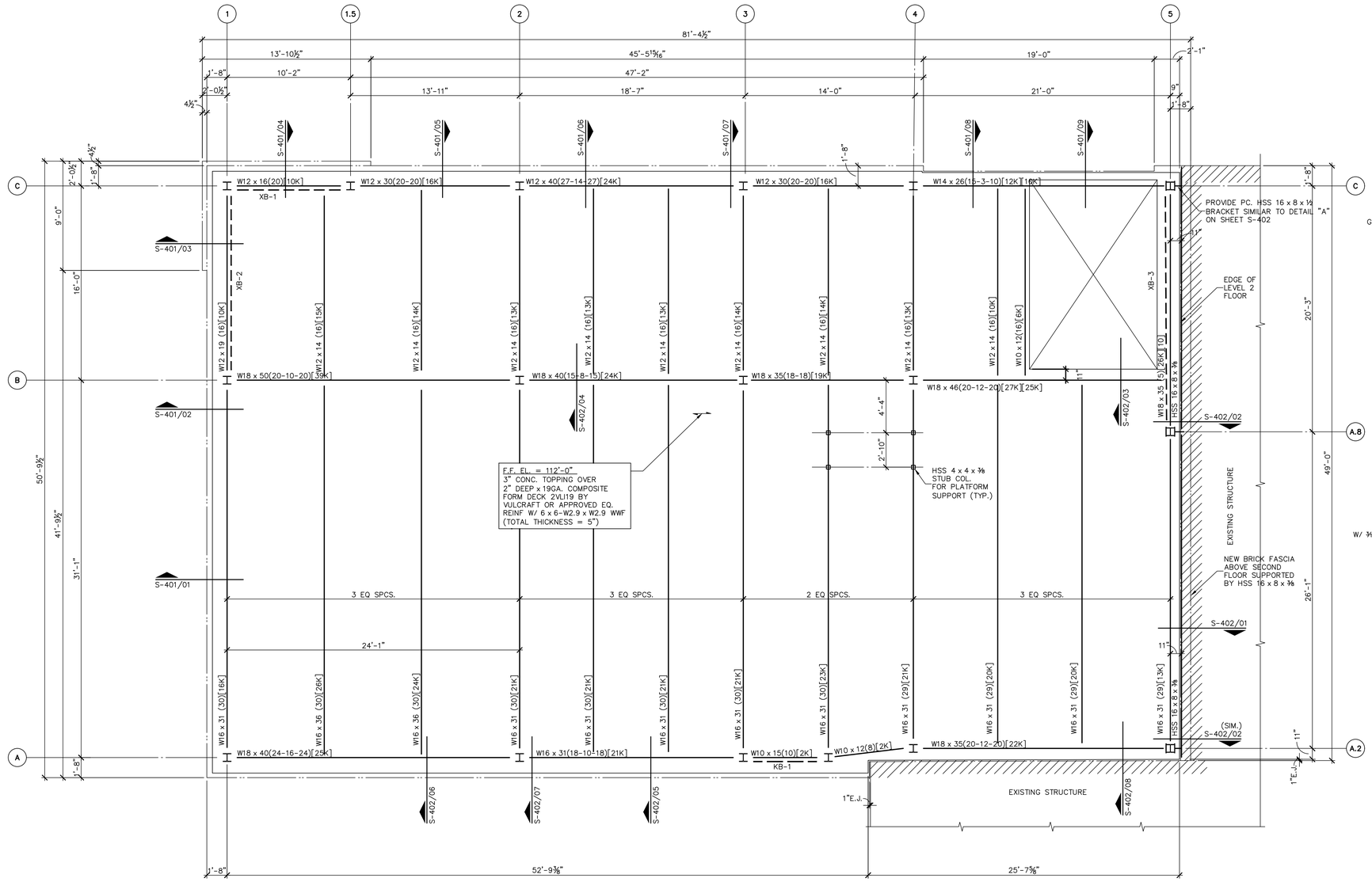
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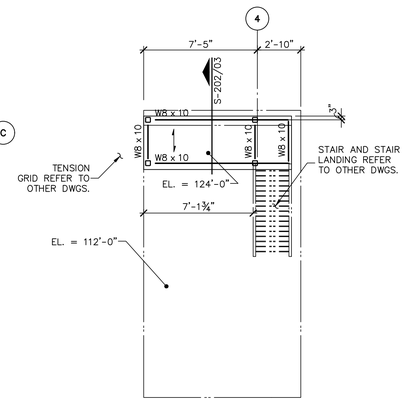
LEVEL 1 FLOOR FRAMING PLAN

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S-201

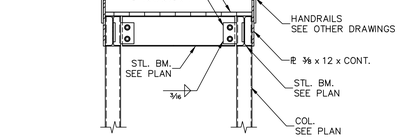
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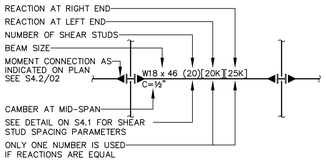
02 PLATFORM PLAN

SCALE: ¾"=1'-0"



03 SECTION

SCALE: ¾"=1'-0"



COMPOSITE STEEL BEAM LEGEND

PLAN NORTH

01 LEVEL 2 FLOOR FRAMING PLAN

SCALE: ¼"=1'-0"

PLAN NOTES:

1. REFER TO S101 & S102 FOR GENERAL NOTES & ABBREVIATIONS.
2. REFER TO SHEETS S-401 THRU S-404 FOR FRAMING SECTIONS
3. REFER TO S602 & S603 FOR TYPICAL DETAILS.
4. FULL MOMENT WELDED CONN. SHOWN THUS: ▶——
5. X-BRACE SHOWN THUS: XB_ _ _ _ _ _ _
   K-BRACE SHOWN THUS: KB_ _ _
   REFER TO SHEETS S502 FOR BRACING DETAILS.
6. TOP OF BEAM ELEVATIONS SHOWN THUS: W18x35 (114'-0")

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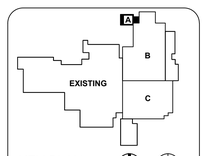
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DAVID W. CARTER HIGH SCHOOL RENOVATIONS AND ADDITION

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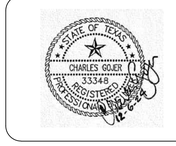
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KEY PLAN

NORTH: PLAN TRUE



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CLIENT NAME

DATE 2024.12.06
PROJECT NUMBER 230050

DRAWING HISTORY

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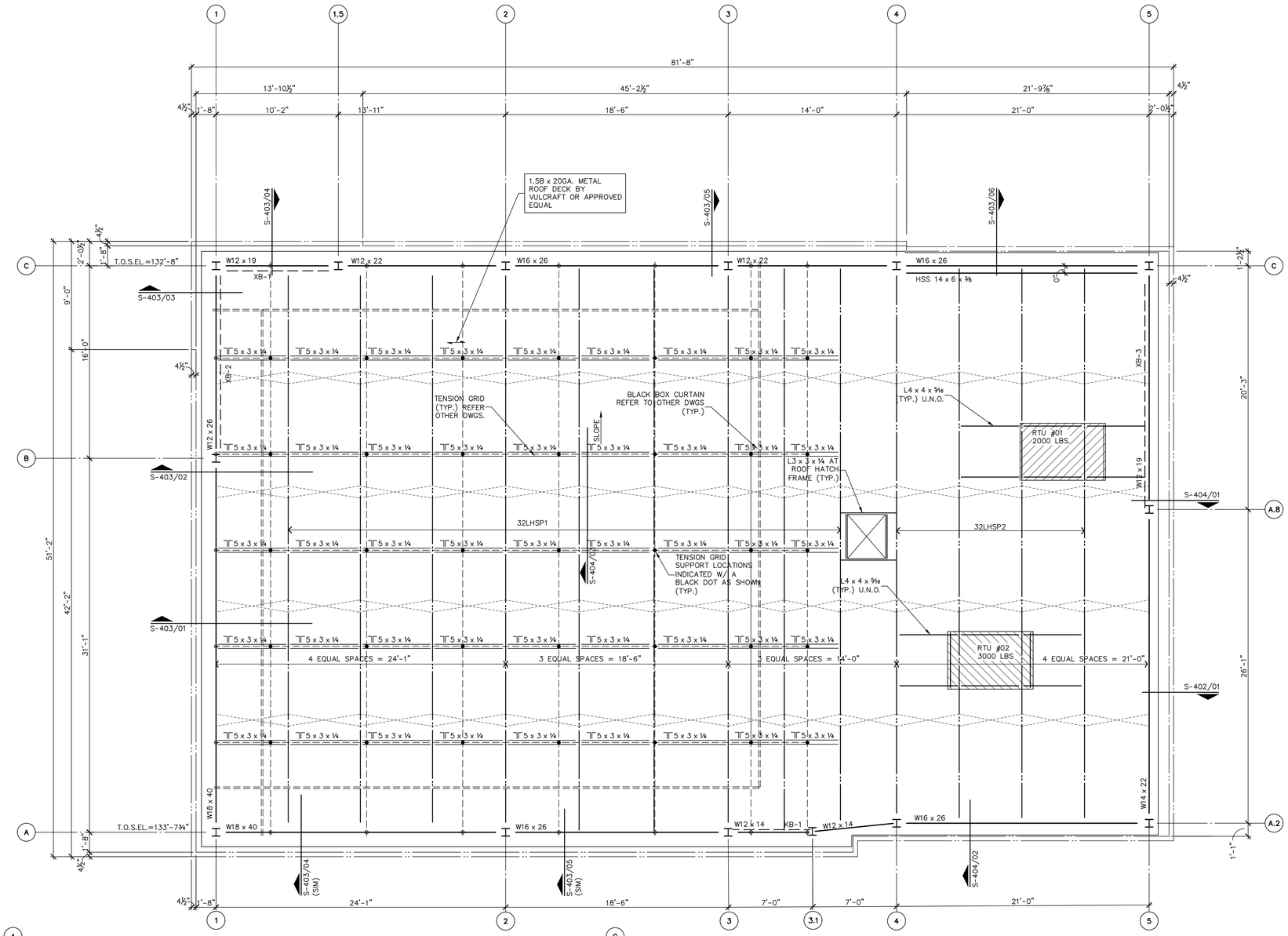
BLACK BOX LEVEL 2 FRAMING PLAN

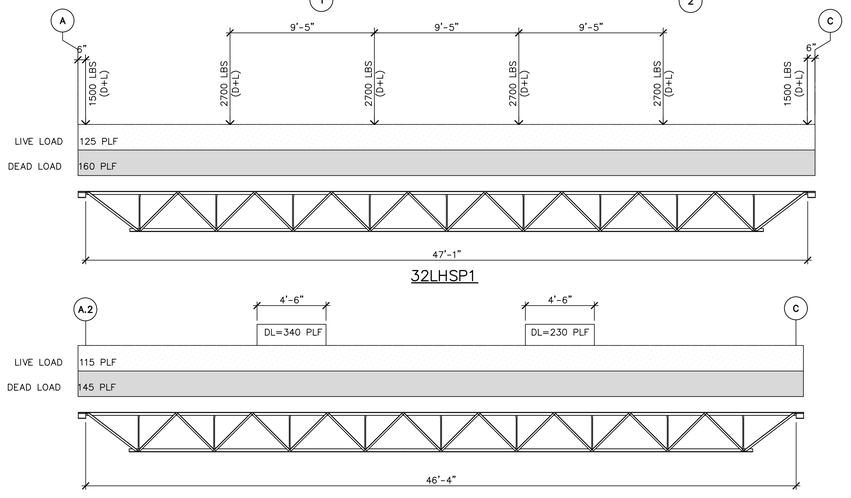
S-202

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02 SPECIAL JOIST LOADING DIAGRAM
SCALE: NO SCALE

PLAN NORTH

01 ROOF FRAMING PLAN
SCALE: ¼"=1'-0"

PLAN NOTES:

1. REFER TO S-101 & S-102 FOR GENERAL NOTES & ABBREVIATIONS.
2. REFER TO SHEET S-401 THRU S-404 FOR FRAMING SECTIONS
3. FULL MOMENT WELDED CONN. SHOWN THUS: ▶——
4. X-BRACE SHOWN THUS: XB_ _ _ _ _ _ _ _
   K-BRACE SHOWN THUS: KB_ _ _
   REFER TO SHEETS S502 FOR BRACING DETAILS.
5. T.O.S. EL. = TOP OF STEEL ELEVATION
   = UNDERSIDE OF METAL DECK
6. TOP OF BEAM ELEVATIONS SHOWN THUS: W18x35 (114'-0")
7. REFER TO S-602 & S-603 FOR TYPICAL DETAILS.

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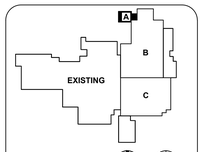
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CLIENT
CLIENT NAME

DATE	PROJECT NUMBER
2024.12.06	230050

DRAWING HISTORY

No.	Description	Date

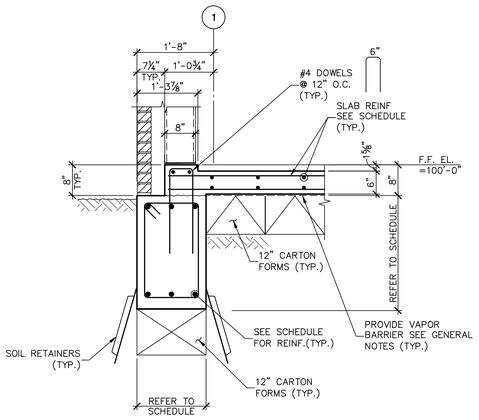
ISSUED FOR PERMIT

BUILDING NUMBER

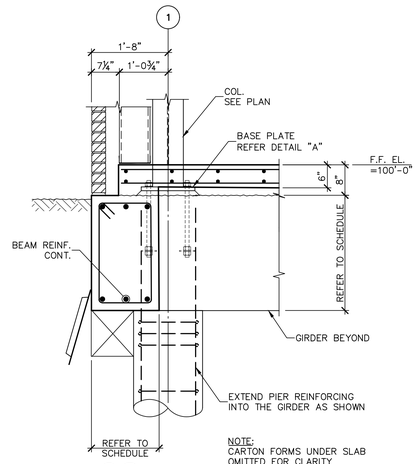
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S-203

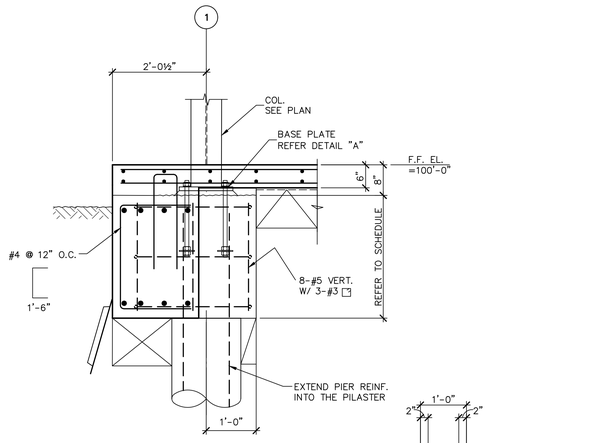
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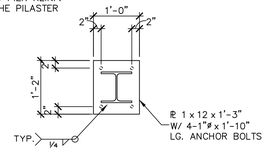
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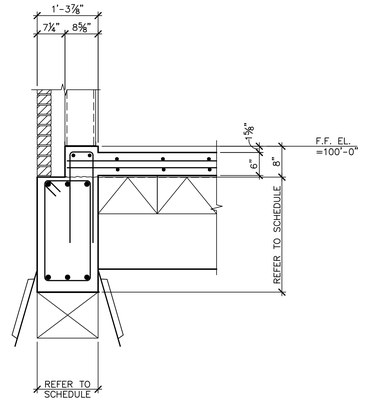
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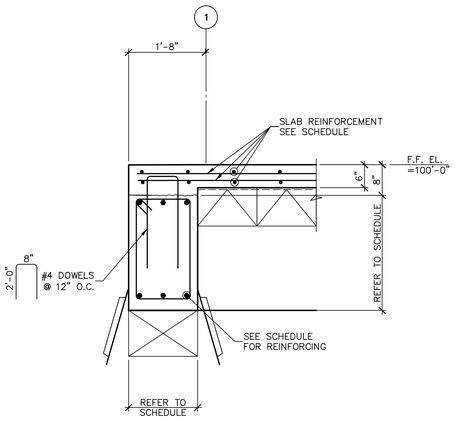
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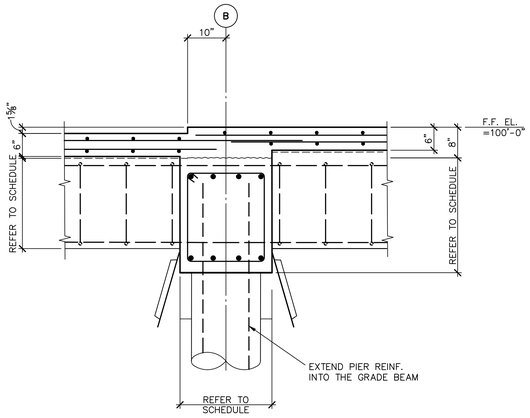
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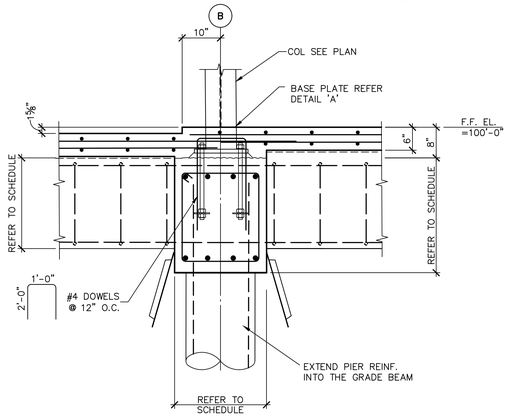
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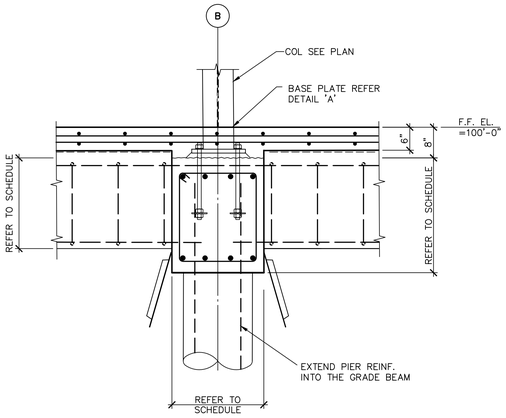
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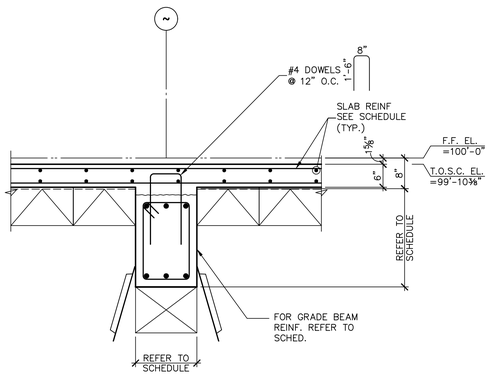
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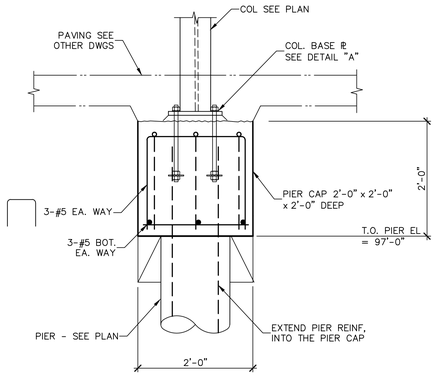
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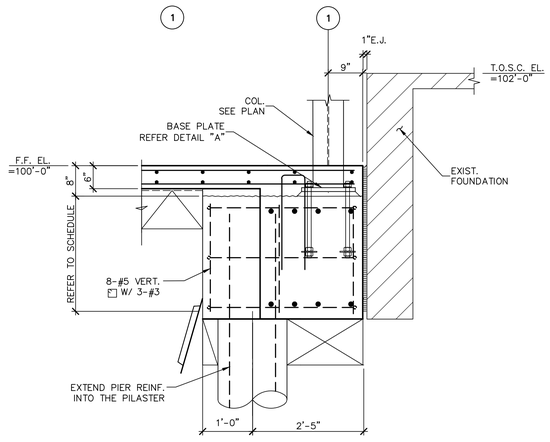
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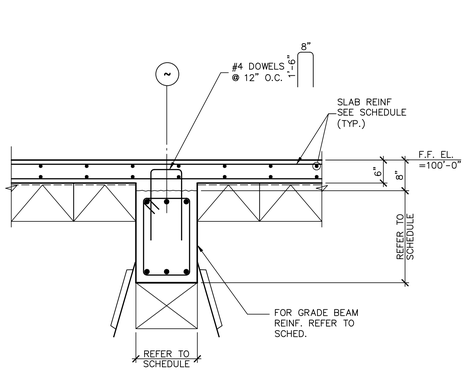
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09 SECTION
SCALE: ¾"=1'-0"



10 SECTION
SCALE: ¾"=1'-0"



11 SECTION
SCALE: ¾"=1'-0"

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Consulting Engineers
Texas Firm Registration No. F-697
11615 Forest Central Dr. Suite 303
Dallas, Texas 75243 (214) 340-1199
JOB NO. 23 - 105

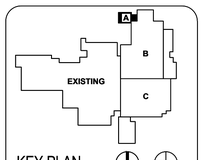
PBK
ARCHITECT PBK Architects, Inc.
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14001 Dallas Parkway, Suite 400
Dallas, TX 75240
972-233-1323 P
972-233-1373 F
TX Firm: BR 1608
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LEAP TECHNOLOGY
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T 817-834-3706
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BEAM
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DAVID W. CARTER HIGH SCHOOL RENOVATIONS AND ADDITION

ORG 023
1619 W WHEATLAND RD.
DALLAS, TX 75232
ISSUED FOR PERMIT

CLIENT LOGO

DALLAS INDEPENDENT SCHOOL DISTRICT





CLIENT
CLIENT NAME

DATE	PROJECT NUMBER
2024.12.06	230050

DRAWING HISTORY

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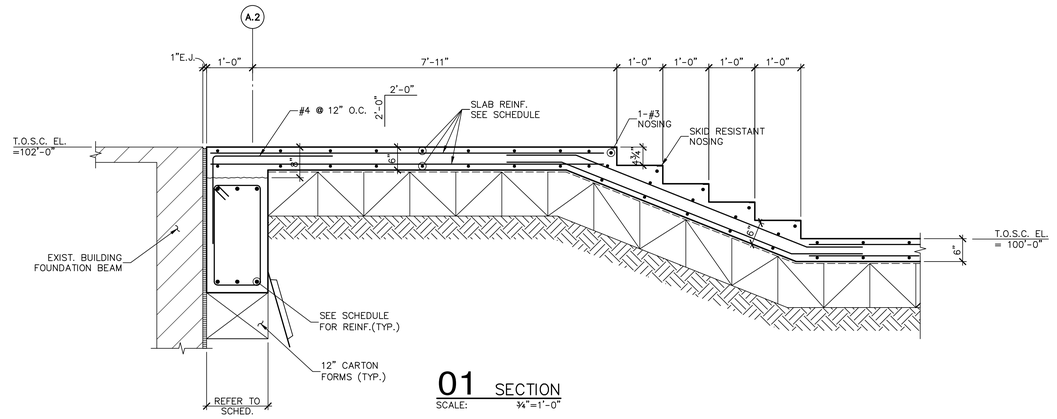
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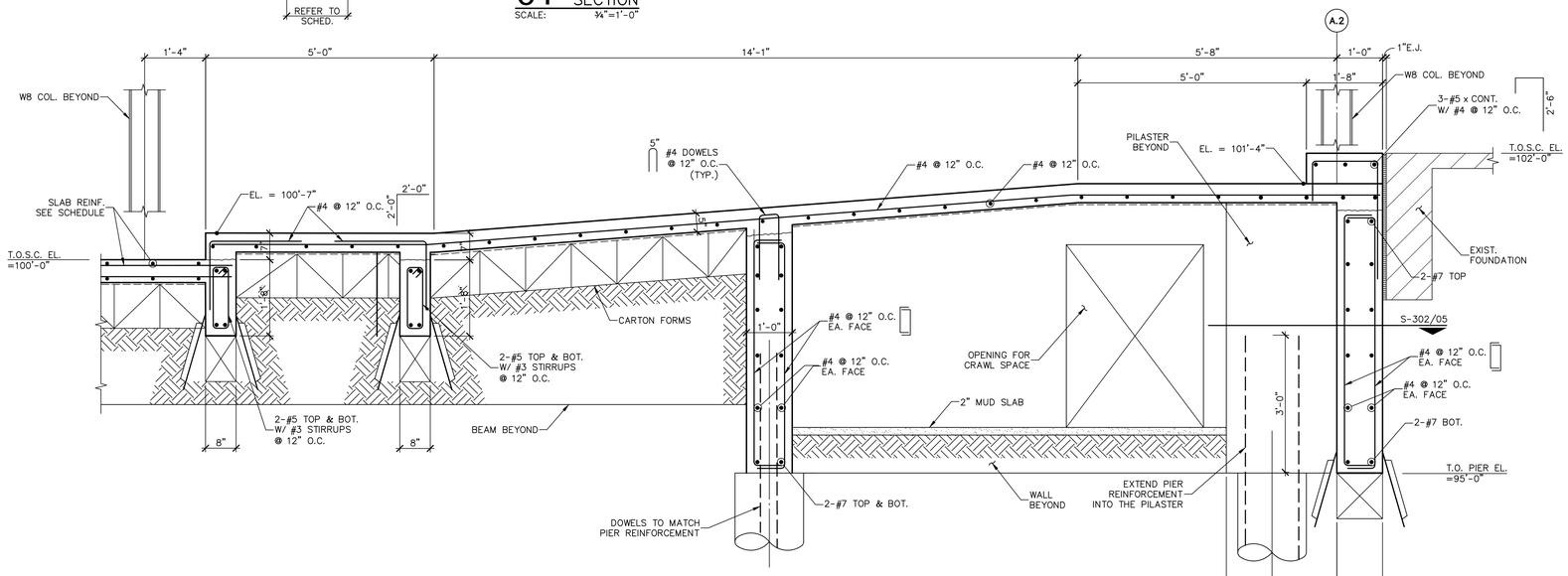
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S-301

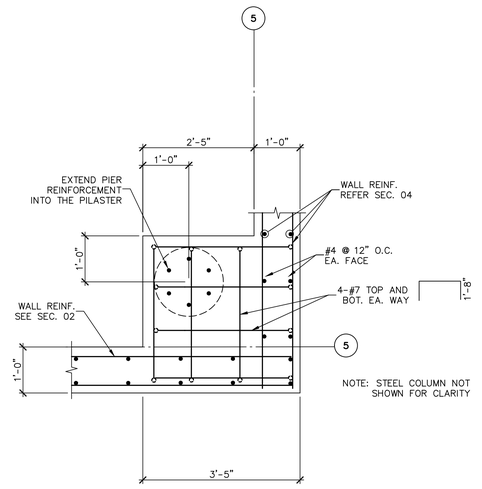
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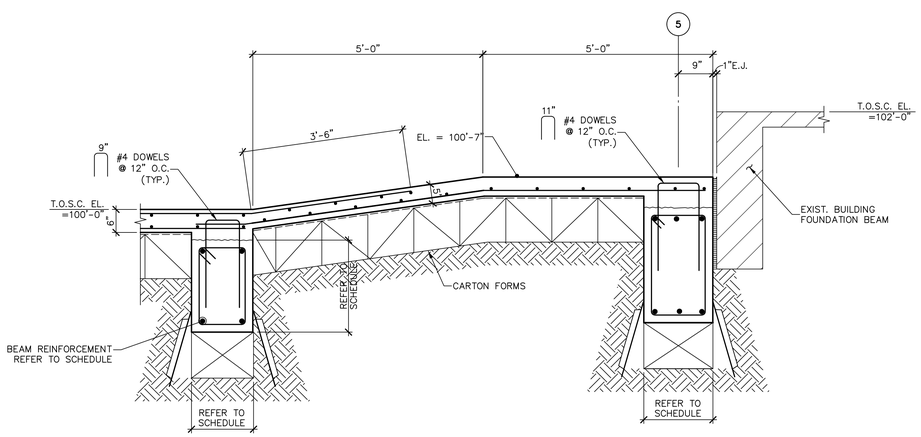
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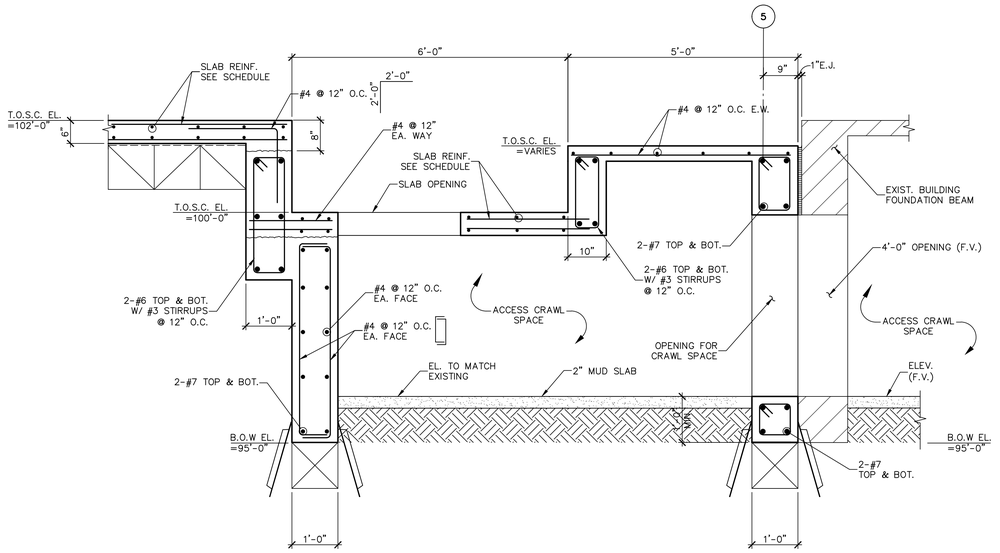
02 SECTION
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05 SECTIONAL PLAN
SCALE: ¾"=1'-0"



03 SECTION
SCALE: ¾"=1'-0"



04 SECTION
SCALE: ¾"=1'-0"

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JOB NO. 23-105

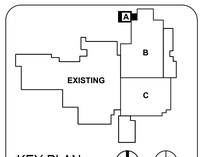
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ACOUSTIC
T.972-234-3706
BUILDING ENVELOPE
BEAM
T.972-233-1323

DAVID W. CARTER HIGH SCHOOL RENOVATIONS AND ADDITION

ORG U23
1619 W WHEATLAND RD.
DALLAS, TX 75232
ISSUED FOR PERMIT

CLIENT LOGO

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN NORTH: PLAN TRUE



CLIENT
CLIENT NAME

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2024.12.06	230050

DRAWING HISTORY

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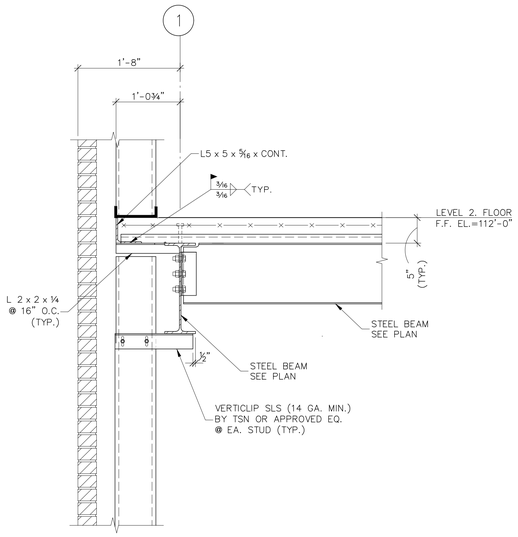
ISSUED FOR PERMIT

BUILDING NUMBER

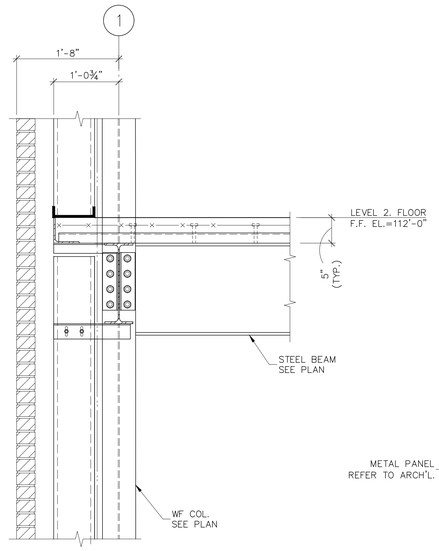
FOUNDATION SECTIONS

S-302

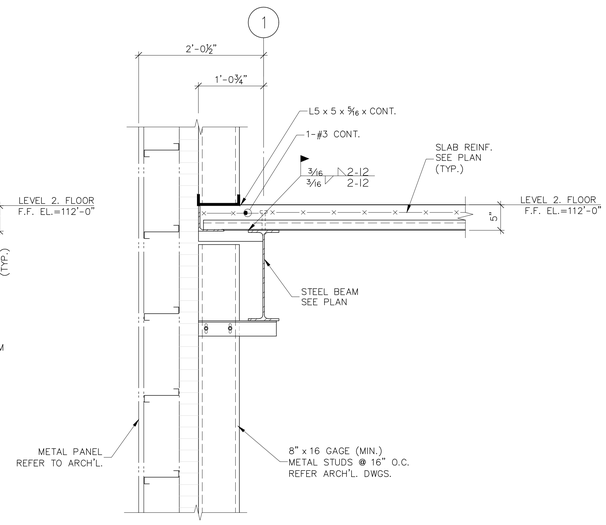
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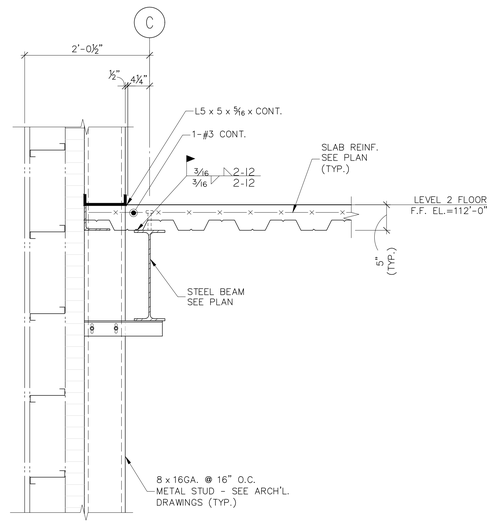
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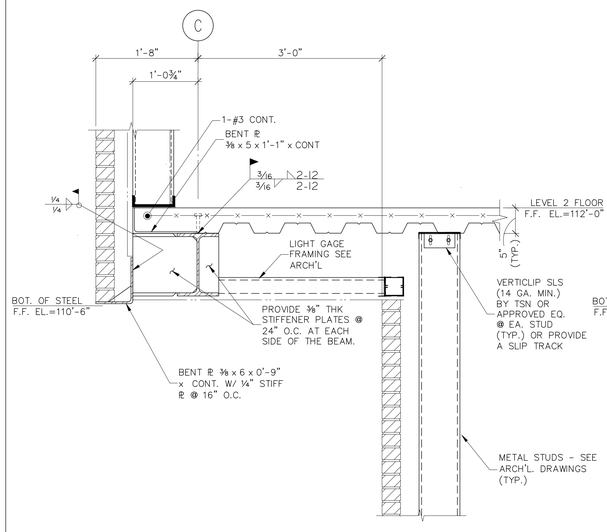
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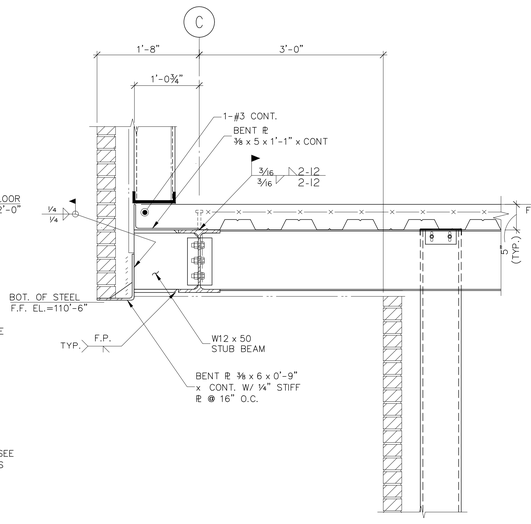
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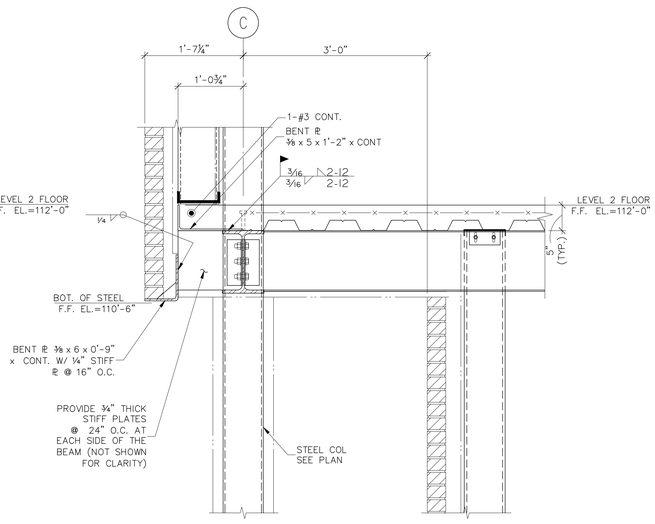
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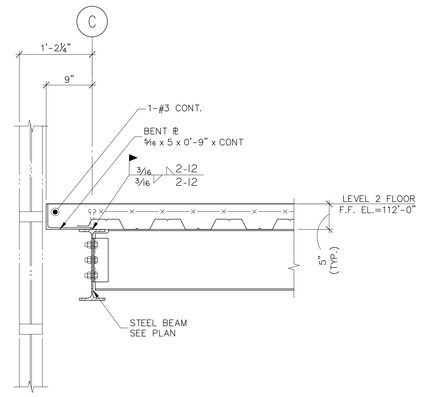
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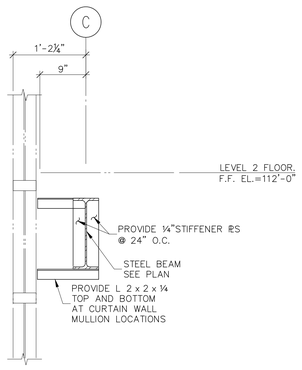
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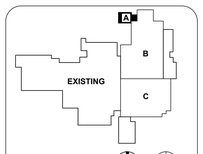
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PBK.com
DALLAS
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MEP/FP&M
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ACOUSTIC
T 972-934-3700
BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL
RENOVATIONS AND ADDITION

ORG 023
5919 W WHEATLAND RD.
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CLIENT LOGO

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



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2024.12.06	230050

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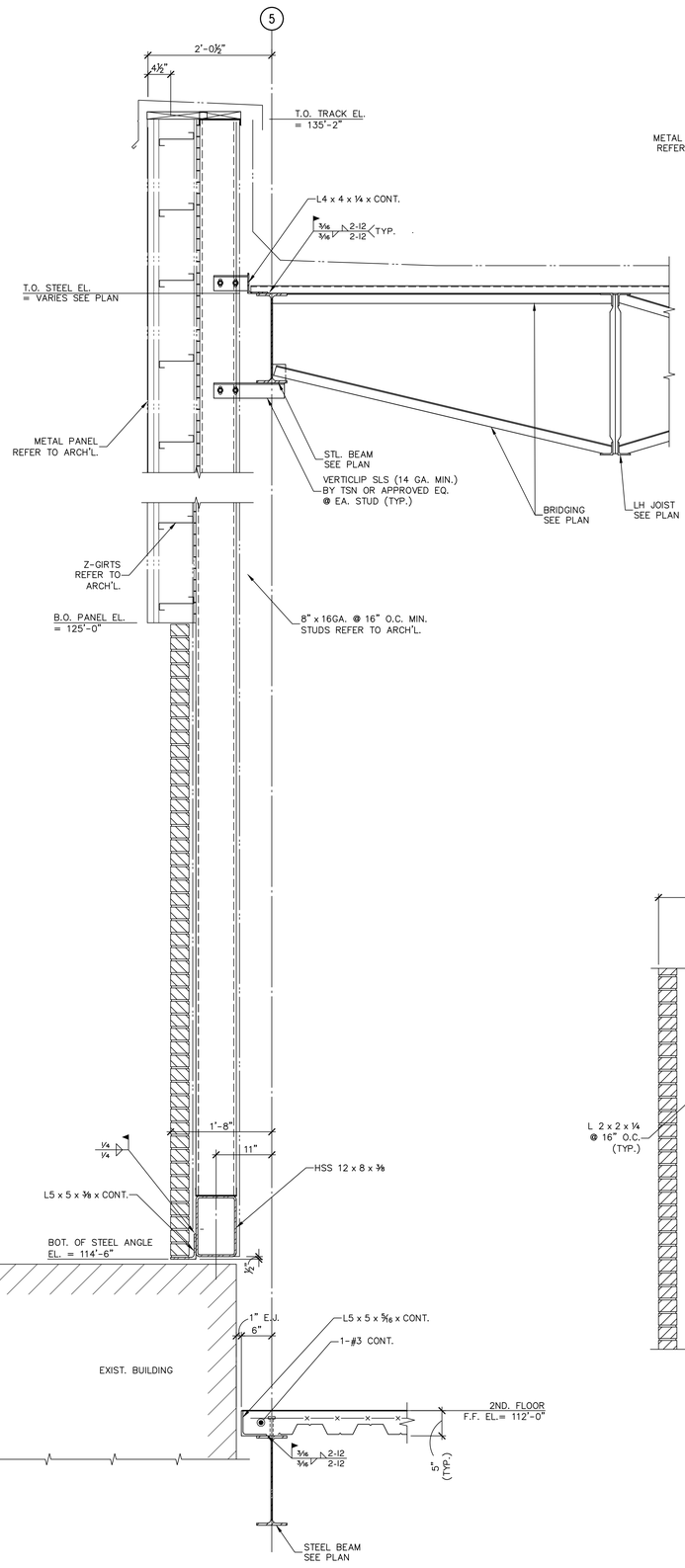
FRAMING SECTIONS

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Consulting Engineers
Texas Firm Registration No. F-697
11615 Forest Central Dr. Suite 303
Dallas, Texas 75243 (214) 340-1199

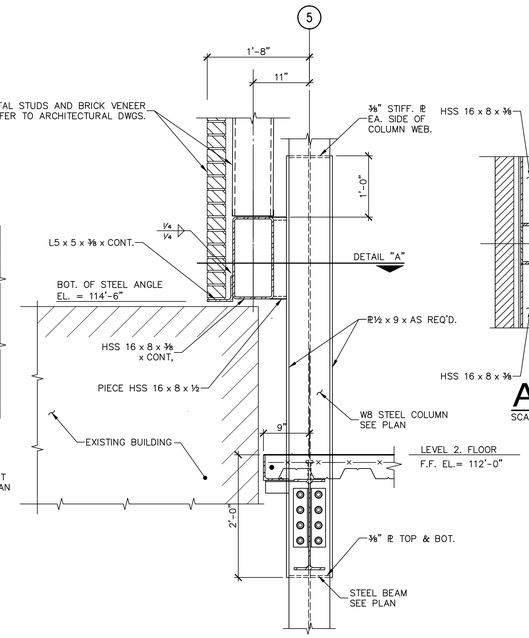
JOB NO. 23-105

S-401

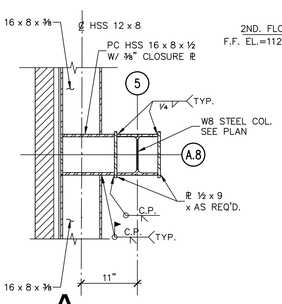
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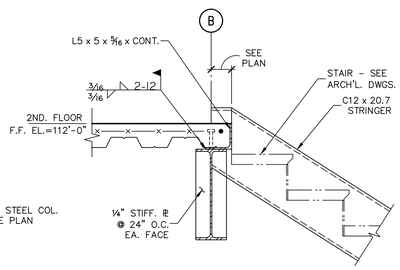
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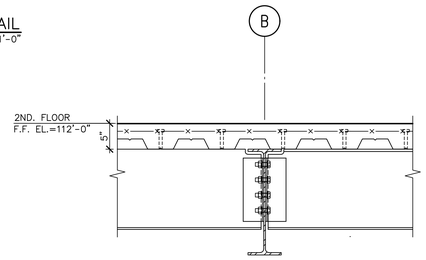
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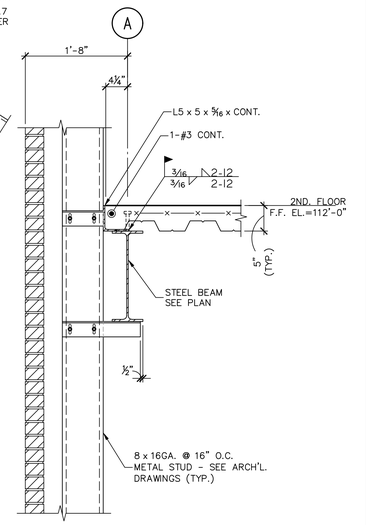
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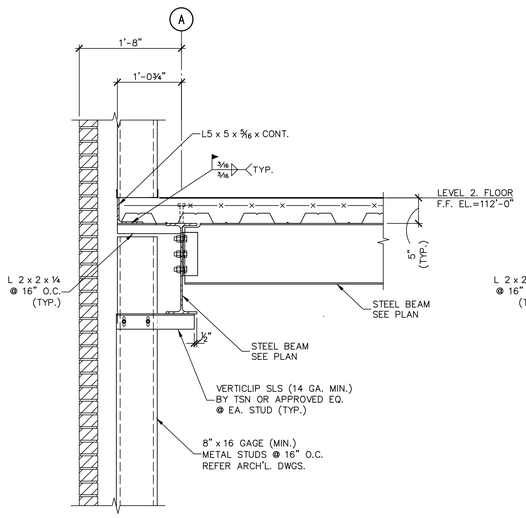
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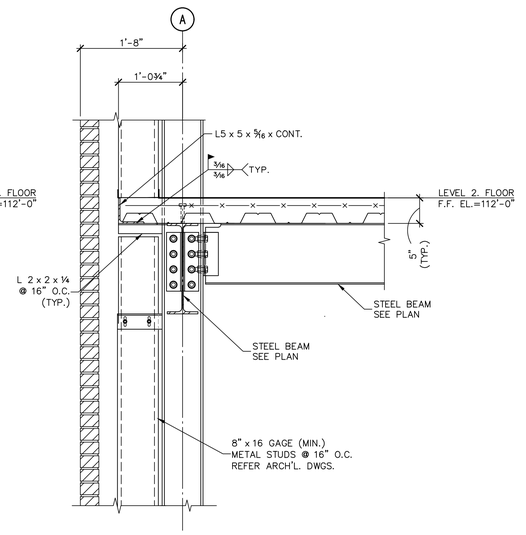
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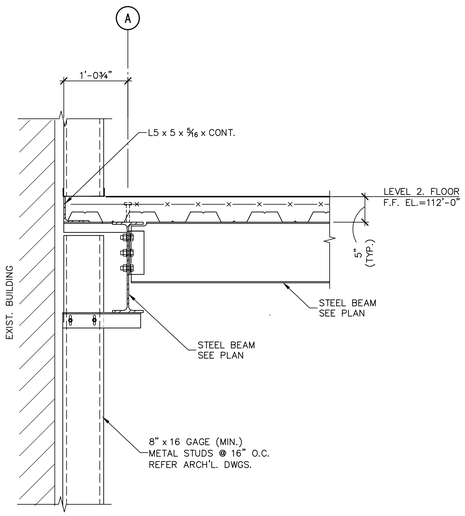
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SCALE: 1"=1'-0"



06 SECTION
SCALE: 1"=1'-0"



07 SECTION
SCALE: 1"=1'-0"



08 SECTION
SCALE: 1"=1'-0"

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T 214-363-1199

MEP/FP
T 214-373-6900

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LEAP ENGINEERS
T 972-233-1323

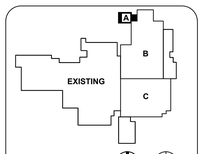
ACOUSTIC
T 972-934-3700

BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL
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ISSUED FOR PERMIT

BUILDING NUMBER

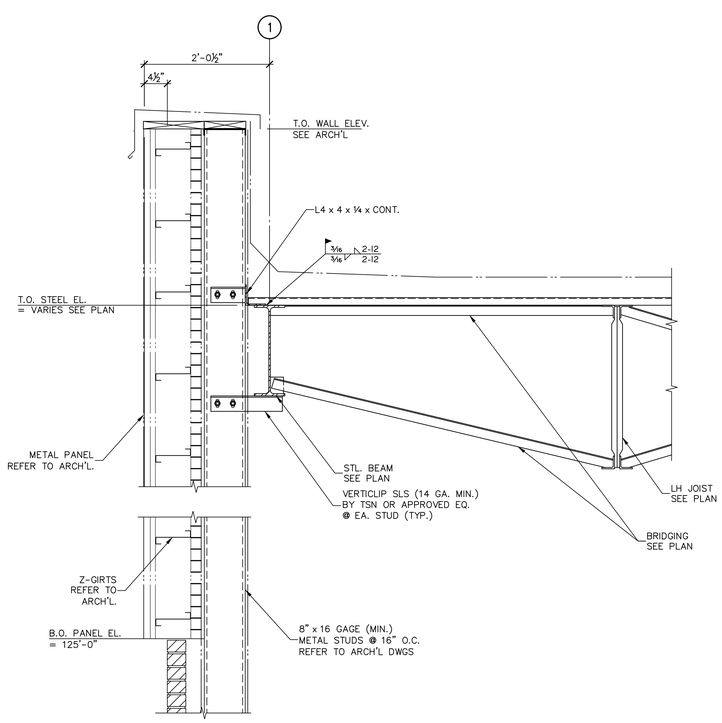
FRAMING
SECTIONS

S-402

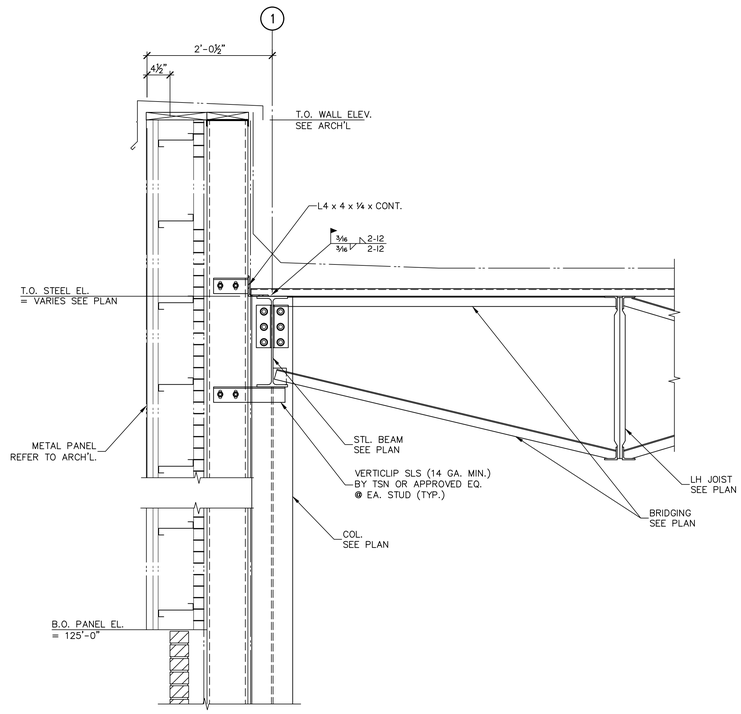
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Consulting Engineers
Texas Firm Registration No. F-697
11615 Forest Central Dr. Suite 303
Dallas, Texas 75243 (214) 340-1199

209 NO. 23 — 105

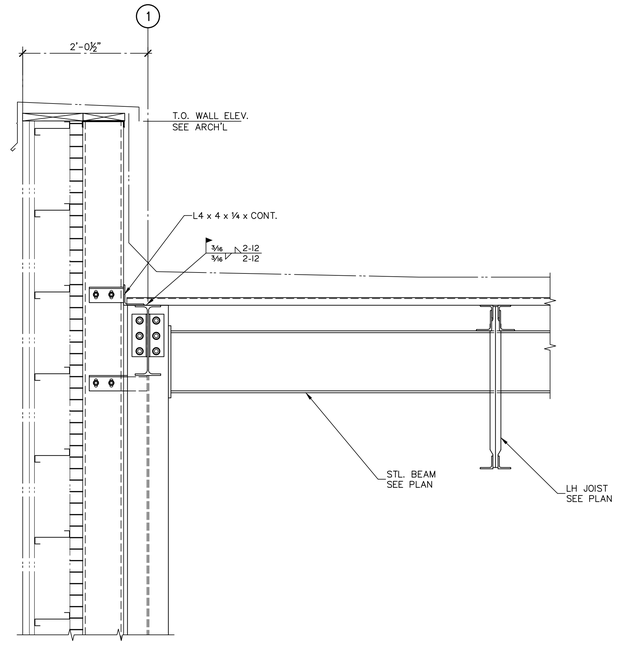
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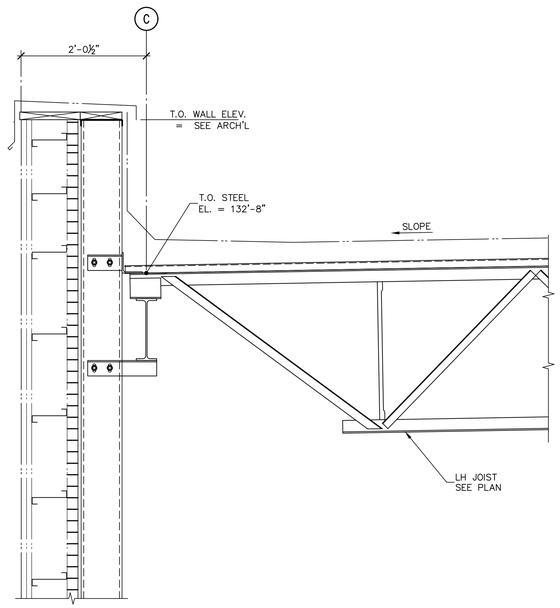
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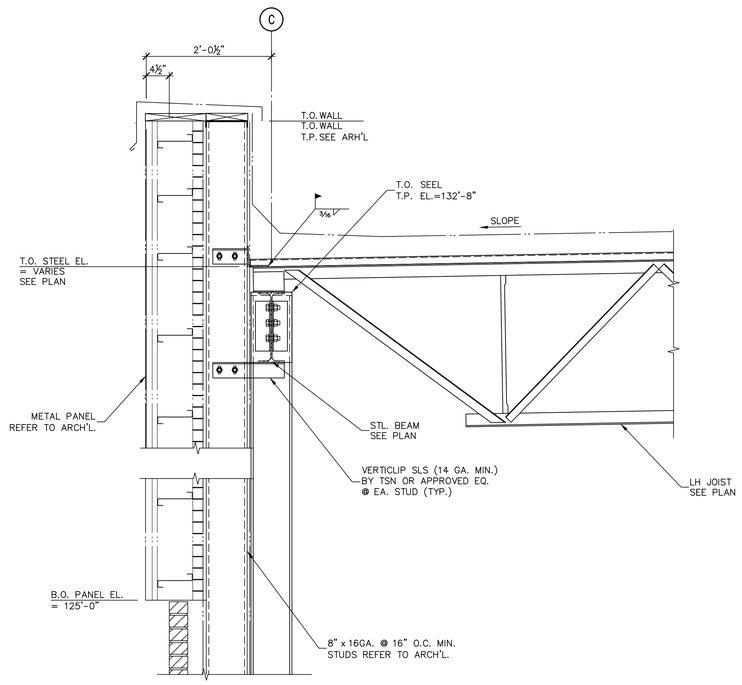
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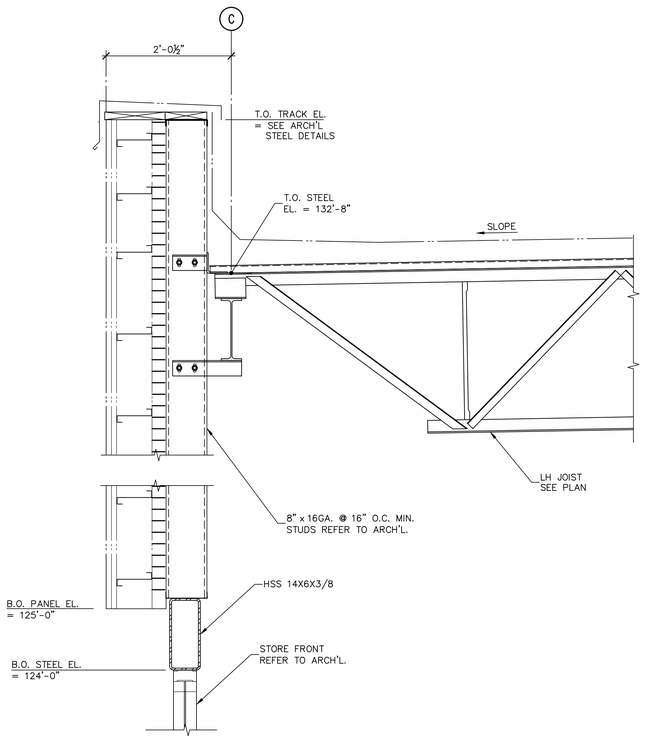
03 SECTION
SCALE: 1"=1'-0"



04 SECTION
SCALE: 1"=1'-0"



05 SECTION
SCALE: 1"=1'-0"



06 SECTION
SCALE: 1"=1'-0"

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23-105 NO. 23 — 105

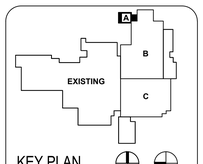
PBK
ARCHITECT PBK Architects, Inc.
DALLAS PBK.com
14001 Dallas Parkway, Suite 400
Dallas, TX 75240
972-233-1323 P
972-233-1373 F
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MEP/FP
T 214-373-6900
TECHNOLOGY
LEAP ENGINEERS
T 972-233-1323
ACOUSTIC
T 972-934-3700
BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL
RENOVATIONS AND ADDITION

ORG 023
1619 W WHEATLAND RD.
DALLAS, TX 75232
ISSUED FOR PERMIT

CLIENT LOGO

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



CLIENT
CLIENT NAME

DATE	PROJECT NUMBER
2024.12.06	230050

DRAWING HISTORY

No.	Description	Date

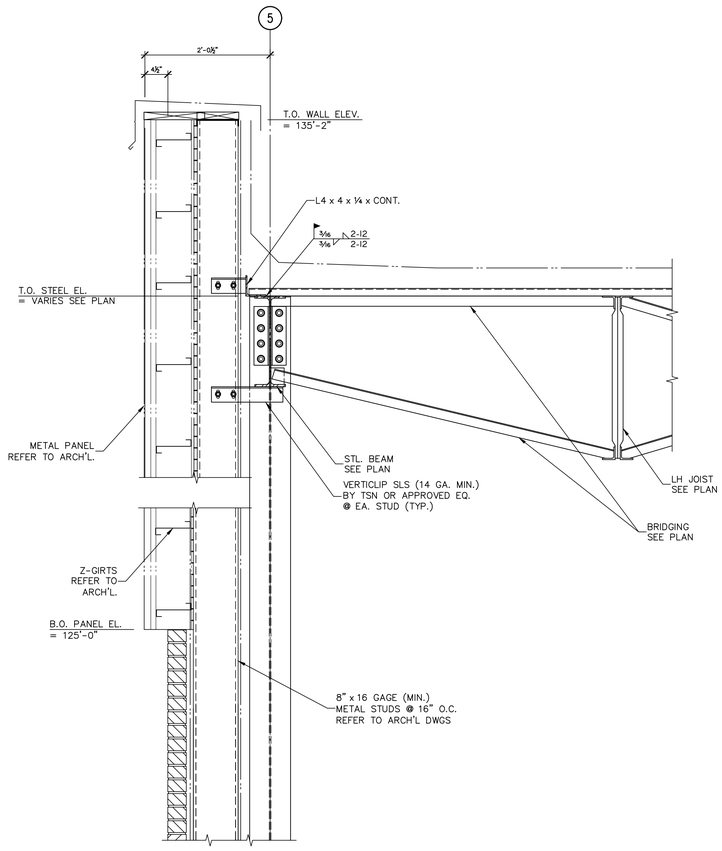
ISSUED FOR PERMIT

BUILDING NUMBER

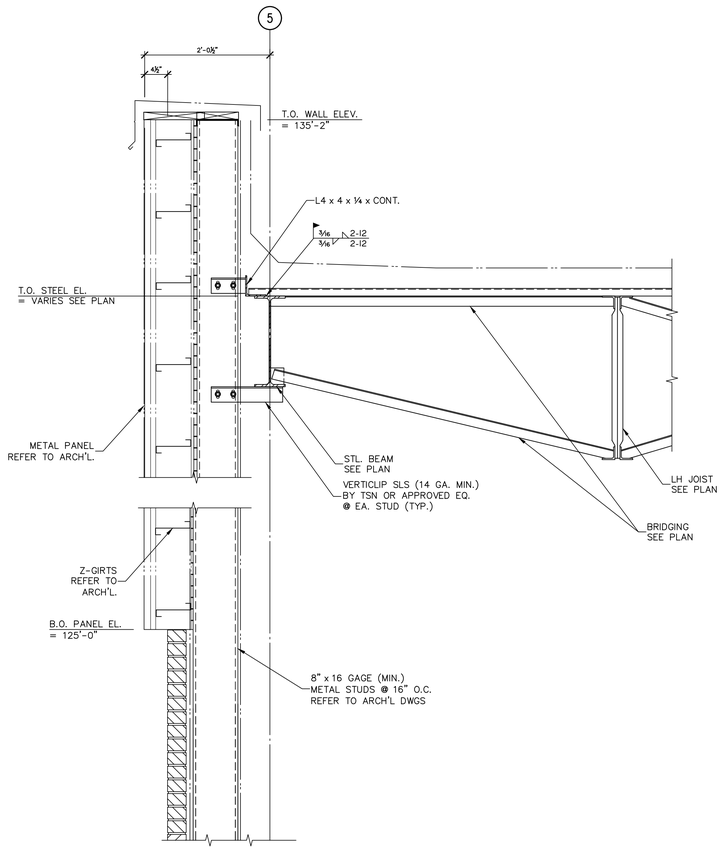
FRAMING SECTIONS

S-403

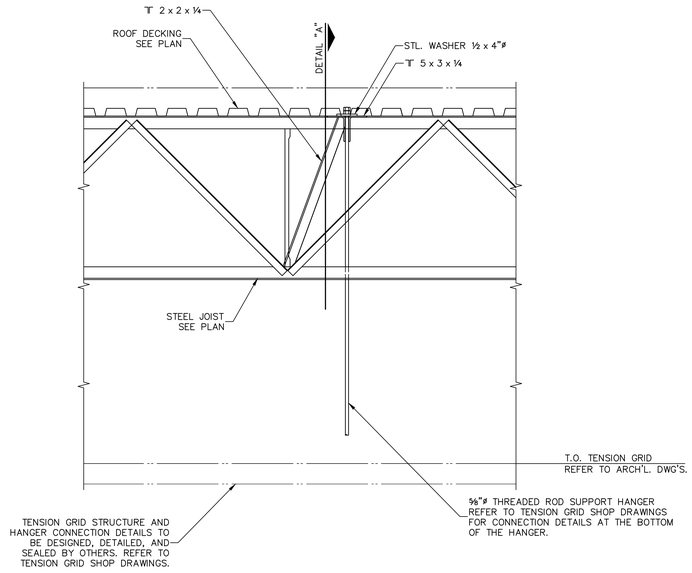
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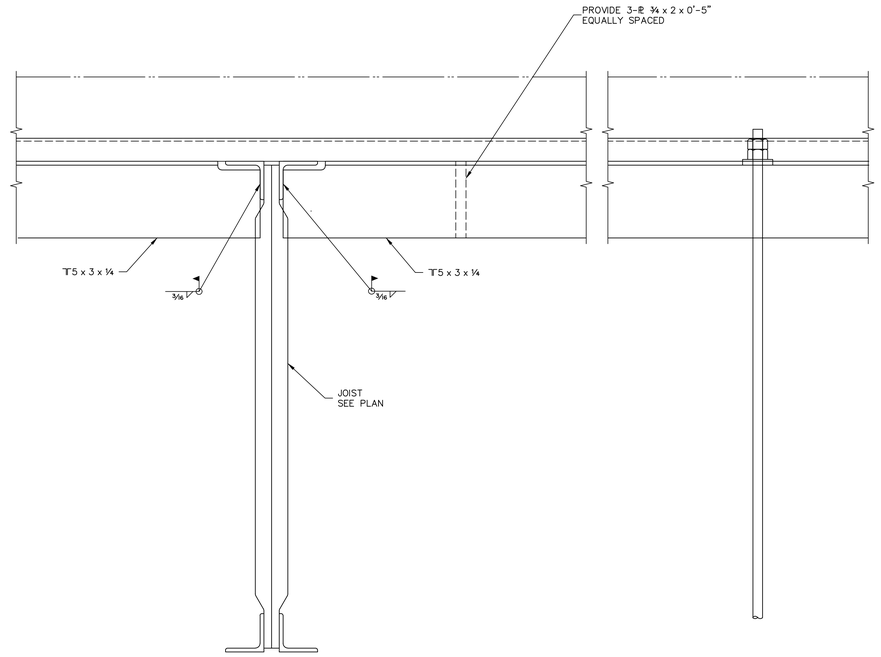
01 SECTION
SCALE: 1"=1'-0"



02 SECTION
SCALE: 1"=1'-0"



03 SECTION
SCALE: 1"=1'-0"



DETAIL "A"
SCALE: 3"=1'-0"

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Consulting Engineers
Texas Firm Registration No. F-697
11615 Forest Central Dr. Suite 303
Dallas, Texas 75243 (214) 340-1199

2018 NO. 23 – 105

PBK

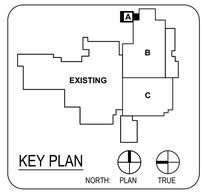
ARCHITECT PBK Architects, Inc.
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DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



CLIENT
CLIENT NAME

DATE	PROJECT NUMBER
2024.12.06	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

ROOF FRAMING AND GRID HANGER SECTIONS AND DETAILS

S-404

23-105\STRUCT\23105S44.DWG / 1=1'-0" / DEC 05, 2024 / 6:53 PM / CHARLES / XRFS404_04DETAIL,

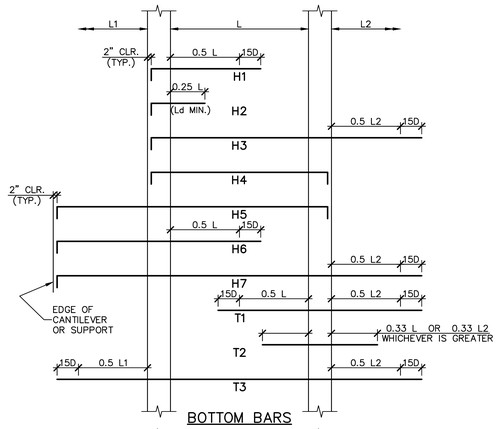
CONCRETE BEAM SCHEDULE

REVISION	BB2:L56EAM			REINFORCEMENT				STIRRUPS			REMARKS
	MARK	SIZE WIDTH (IN)	SIZE DEPTH (IN)	TOP BAR LEFT END	BOTTOM BAR	TOP BAR RIGHT END	FACE REINF. (E. F.)	SIZE	TYPE	SPACING EACH END (IN)	
	GB-1	18	30	3 # 7 H1	3 # 7 C1	3 # 7 T1		3	S1	2 @ 4", R @ 10	
	GB-2	18	30	3 # 7 H1	3 # 7 C1	3 # 7 T1		3	S1	2 @ 4", R @ 10	
	GB-3	18	30		3 # 8 C2	3 # 7 T1		3	S1	2 @ 4", R @ 10	
	GB-4	18	30		3 # 7 C1	3 # 7 H1		3	S1	2 @ 4", R @ 10	
	GB-5	18	30	4 # 6 H1	4 # 8 B3	4 # 6 H1		3	S1	2 @ 4", R @ 10	
	GB-6	24	30	5 # 7 H1	2 # 9 B1 5 # 9 C1	3 # 8 T2 4 # 8 T1		4	S5	2 @ 4", R @ 10	
	GB-7	24	30		5 # 8 C2	5 # 7 T1		3	S5	2 @ 4", R @ 10	
	GB-8	24	30		5 # 7 C2	5 # 7 T1		3	S5	2 @ 4", R @ 10	
	GB-9	24	30		5 # 8 C1	5 # 7 H6		3	S5	2 @ 4", R @ 10	
	GB-10	18	30	3 # 7 H1	5 # 8 C1	2 # 8 T2 3 # 7 T1		3	S1	2 @ 4", R @ 10	
	GB-11	18	30		3 # 7 C2			3	S1	2 @ 4", R @ 10	
	GB-12	32	30	3 # 6 H3	3 # 6 C3 3 # 6 C1	3 # 7 H7		3	S5	2 @ 4", R @ 10	
	GB-13	32 /16	30		3 # 7 C2	3 # 7 T1		3	S5	2 @ 4", R @ 10	
	GB-14	16	30		3 # 7 C1	3 # 7 H1		3	S1	2 @ 4", R @ 10	
	GB-15	12	76								REINFORCEMENT REFER SECTION
	GB-16	16	30	3 # 7 H1	3 # 7 C1	3 # 7 T1		3	S1	2 @ 4", R @ 10"	
	GB-17	16	30		3 # 7 C2	3 # 7 T1		3	S1	2 @ 4", R @ 8"	
	GB-18	16	30		3 # 7 C1	3 # 7 H1		3	S1	2 @ 4", R @ 10"	
	GB-19	16	24	3 # 7 H1	2 # 8 B3 3 # 8 C1	2 # 9 T2 3 # 8 T1		4	S1	2 @ 4", R @ 10	
	GB-20	16	24 /30		3 # 6 C6 3 # 7 C1	3 # 7 H1		4	S1	2 @ 4", R @ 10	
	GB-21	16	24	3 # 7 H1	2 # 8 B3 3 # 8 C1	2 # 8 T2* 4 # 8 H3		4	S1	2 @ 4", R @ 10"	* PLACE T2 BARS IN SECOND LAYER
	GB-22	16	24		3 # 8 C1			3	S1	2 @ 4", R @ 10"	
	GB-23	16	24	3 # 7 H1	2 # 8 B3 3 # 8 C1	2 # 9 T2 3 # 8 T1		4	S1	2 @ 4", R @ 10"	
	GB-24	12	76								REINFORCEMENT REFER SECTION
	GB-25	16	24		3 # 7 C2	3 # 7 T1		3	S1	2 @ 4", 10 @ 8", R @ 10"	
	GB-26	16	24		3 # 7 C1	3 # 6 T2		3	S1	2 @ 4", 10 @ 8", R @ 10"	
	GB-27	12	76								REINFORCEMENT REFER SECTION
	GB-28	18	30	3 # 7 H1	3 # 8 C1	3 # 8 T1		3	S1	2 @ 4", R @ 10"	
	GB-29	18	30		3 # 7 C1	3 # 7 H1		3	S1	2 @ 4", R @ 10"	
	GB-30	12	72								REINFORCEMENT REFER SECTION

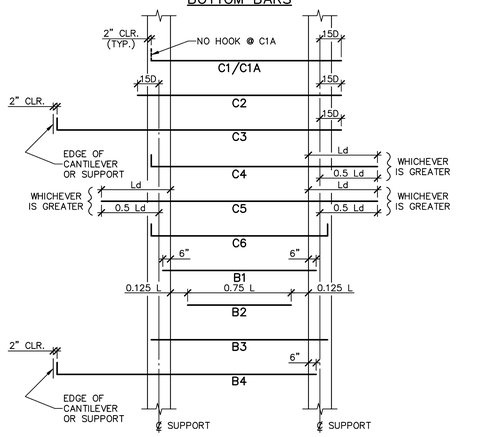
CONCRETE SLAB SCHEDULE

REVISION	SIZE SLAB MARK	SIZE SLAB THICK (IN)	REINFORCEMENT TOP BAR LEFT END	BOTTOM BAR	TOP BAR RIGHT END	TEMP. REINF. (TOP & BOT.)	REMARKS
	S-1	6"	#4 @12" H1	#4 @ 10" B1	#4 @ 12" T2 #4 @ 12" T1	#3 @12"	
	S-2	6"		#4 @ 10" B1	#4 @ 8" T1	#3 @12"	
	S-3	6"		#4 @ 12" B1	#4 @ 10" T1	#3 @12"	
	S-4	6"		#4 @ 12" B1	#4 @ 12" H1	#3 @12"	
	S-5	6"	#4 @12" H1	#4 @ 8" B1	#4 @ 12" H1	#3 @12"	

TOP BARS



BOTTOM BARS



BAR PLACEMENT DIAGRAM

NOTES:

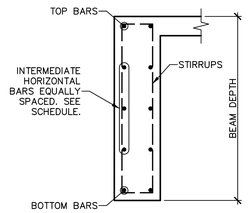
1. SCHEDULED LEFT AND RIGHT END OF MEMBERS ARE RELATIVE TO CALL-OUT ON PLAN. OTHERWISE LEFT AND RIGHT ON SHEET ARE AS SHOWN BELOW.



2. TURN HOOK TAILS DOWN FOR TOP BARS AND UP FOR BOTTOM BARS.
3. HOOKS FOR TOP, BOTTOM AND FACE BARS SHALL BE STANDARD HOOKS (90° OR 180°).
4. Ld = STRAIGHT TENSION DEVELOPMENT LENGTH.
5. SPLICES IN SCHEDULED BARS LESS THAN 60'-0" IN LENGTH ARE NOT PERMITTED. SPLICES IN SCHEDULED BARS MORE THAN 60'-0" IN LENGTH SHALL BE REFERRED TO ENGINEER FOR APPROVAL.
6. UNLESS A SPECIFIC BAR TYPE IS SHOWN IN THE SCHEDULE, FACE BARS SHALL BE CONTINUOUS FOR THE FULL LENGTH OF THE MEMBER. EXTEND FACE BARS A DISTANCE OF Ld/2 PAST FROM CENTER LINE OF CONTINUOUS SUPPORTS AND PROVIDE 90° HOOKS AT DISCONTINUOUS ENDS. NUMBER OF BARS SHOWN ON SCHEDULE SHALL BE PROVIDED ON EACH FACE OF MEMBER.
7. HOOKS FOR TIES AND STIRRUPS SHALL BE FABRICATED AS REQUIRED BY ACI.
8. THE TYPE S1 STIRRUPS SHALL BE PLACED SUCH THAT THE 135 HOOK END IS NOT ON THE SIDE CONFINED BY THE SLAB.

01 TYPICAL DETAIL
SCALE: NO SCALE

INTERMEDIATE BAR SCHEDULE		
BEAM DEPTH	NUMBER OF BARS EACH FACE	SIZE OF BAR
36" - 48"	5	#3
49" - 54"	5	#4
55" - 60"	5	#5
61" - 66"	6	#5
67" - 72"	6	#6
73" - 78"	7	#6

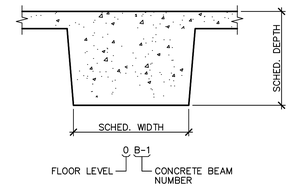


NOTES:

1. TOTAL AREA OF INTERMEDIATE REINFORCING NEED NOT EXCEED THE AREA OF TOP OR BOTTOM REINFORCING (WHICHEVER IS LARGER).
2. BEAMS LESS THAN 36" DEEP DO NOT NEED INTERMEDIATE BARS UNLESS REQUIRED BY BEAM SCHEDULE.
3. WHERE "EXTRA INTERMEDIATE BARS" ARE SCHEDULED, PROVIDE SCHEDULED BARS IN LIEU OF THOSE REQUIRED BY THIS DETAIL.

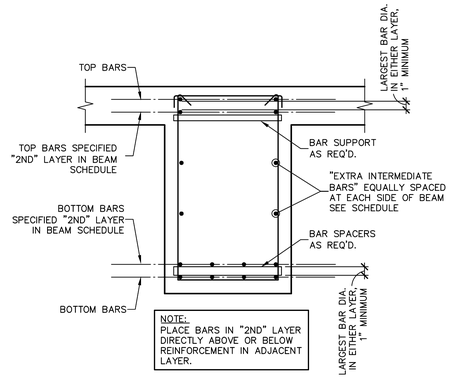
BEAM INTERMEDIATE BARS

02 TYPICAL DETAIL
SCALE: NO SCALE



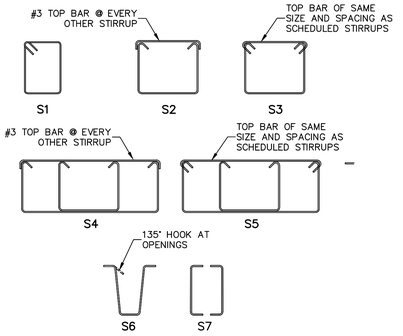
KEY TO BEAM MARKS

03 TYPICAL DETAIL
SCALE: NO SCALE



BEAM REINFORCING PLACEMENT

04 TYPICAL DETAIL
SCALE: NO SCALE



STIRRUPS

05 TYPICAL DETAIL
SCALE: NO SCALE

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2018 NO. 23 - 105

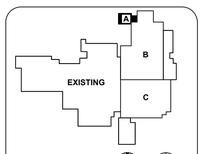
PBK
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2024.12.06	230050

DRAWING HISTORY

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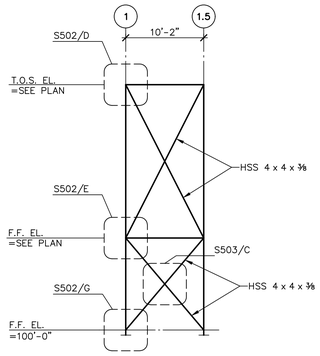
ISSUED FOR PERMIT

BUILDING NUMBER

CONCRETE BEAM & SLAB SCHEDULE & DETAILS

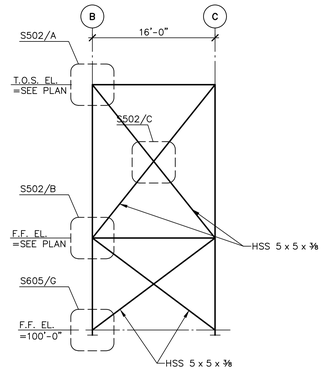
S-501

23-105\STRUCT\23105S51.DWG / 3/4"=1'-0" / DEC 05, 2024 / 6:54 PM / CHARLES /



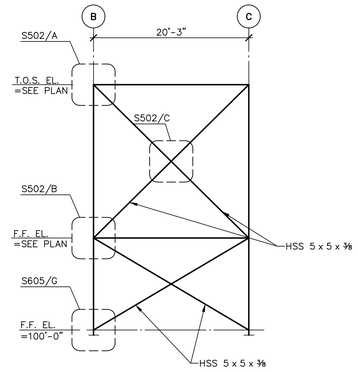
01 X-BRACE 1 @ GRIDS 4 & 5 ALONG GRID C

SCALE: NO SCALE



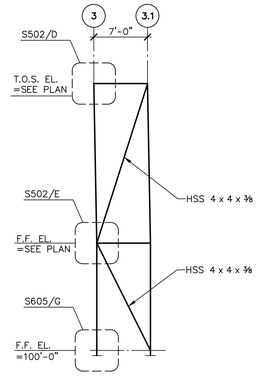
02 X-BRACE 2 @ GRIDS B & C ALONG GRID 1

SCALE: NO SCALE



03 X-BRACE 3 @ GRIDS B & C ALONG GRID 5

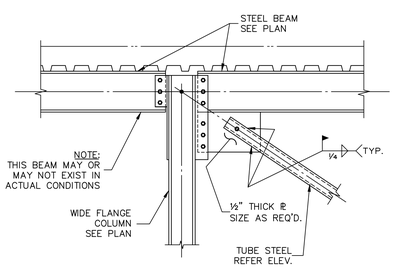
SCALE: NO SCALE



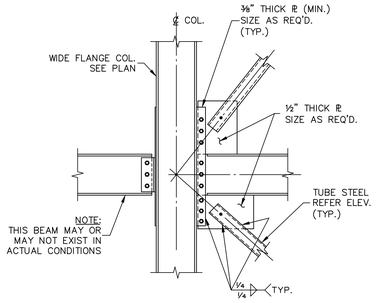
04 K-BRACE 1 @ GRIDS 3 & 3.1 ALONG GRID A

SCALE: NO SCALE

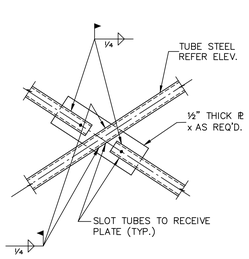
NOTE:
THE CONNECTION DETAILS SHOWN ON THIS SHEET ARE TO BE CONSIDERED TYPICAL DETAILS ONLY. FINAL FABRICATION DETAILS WILL NEED TO CONFORM TO THE CONDITIONS FOUND AT EACH SPECIFIC CONNECTION, AND THE SHOP DRAWING DETAILER WILL HAVE TO ADJUST THESE DETAILS AS REQUIRED.



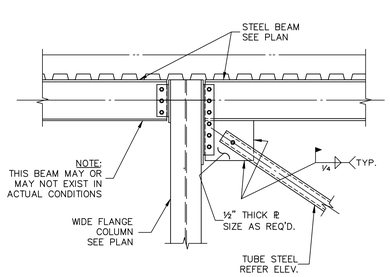
DETAIL "A"
NO SCALE



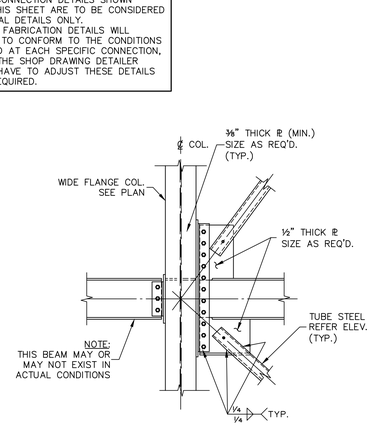
DETAIL "B"
NO SCALE



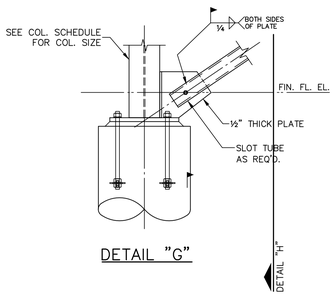
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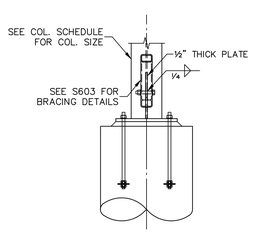
DETAIL "D"
NO SCALE



DETAIL "E"
NO SCALE



DETAIL "G"



DETAIL "H"

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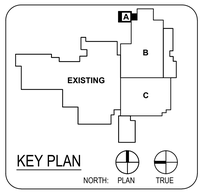
209 NO. 23 — 105

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972-233-1373 F
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ACOUSTIC
T 972-934-3700
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BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL RENOVATIONS AND ADDITION

ORG 023
1619 W WHEATLAND RD.
DALLAS, TX 75232
ISSUED FOR PERMIT

CLIENT LOGO



KEY PLAN NORTH: PLAN TRUE



CLIENT
CLIENT NAME

DATE	PROJECT NUMBER
2024.12.06	230050

DRAWING HISTORY

No.	Description	Date

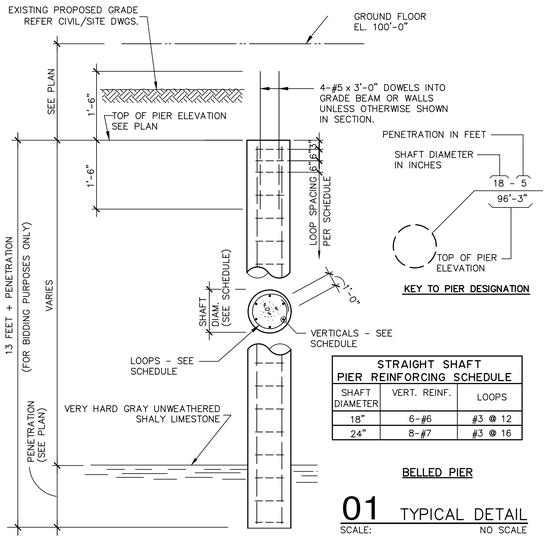
ISSUED FOR PERMIT

BUILDING NUMBER

X-BRACE ELEVATIONS

S-502

23-105\STRUCT\23105S52.DWG / 1/8=1'-0" / DEC 05, 2024 / 6:55 PM / CHARLES / XRFS2_DETAILS.

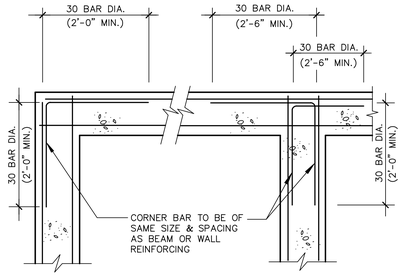


KEY TO PIER DESIGNATION

STRAIGHT SHAFT PIER REINFORCING SCHEDULE		
SHAFT DIAMETER	VERT. REINF.	LOOPS
18"	6-#6	#3 @ 12
24"	8-#7	#3 @ 16

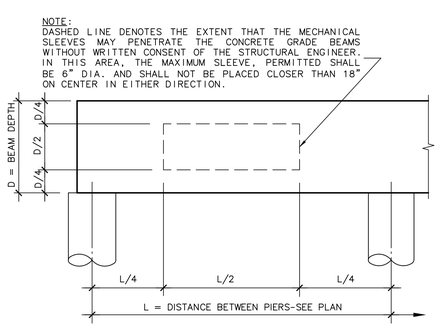
BELLED PIER

01 TYPICAL DETAIL
SCALE: NO SCALE



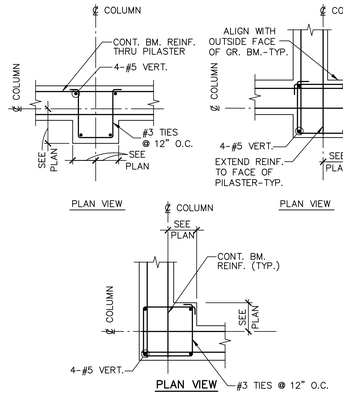
CORNER BARS AT WALLS AND BEAMS

02 TYPICAL DETAIL
SCALE: NO SCALE



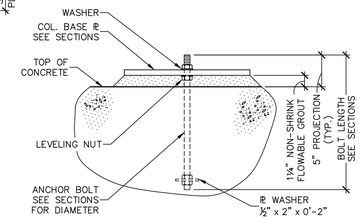
MECH'L. SLEEVE THRU GRADE BEAM

03 TYPICAL DETAIL
SCALE: NO SCALE



CONCRETE PILASTERS (TYP. U.N.O.)

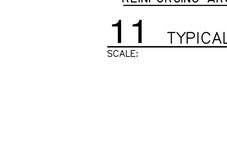
04 TYPICAL DETAIL
SCALE: NO SCALE



IMPORTANT NOTE: ALL BASE PLATES ARE TO BE FULLY GROUTED. DO NOT ALLOW VOIDS OR AIR SPACES TO REMAIN BELOW THE BASE PLATES.

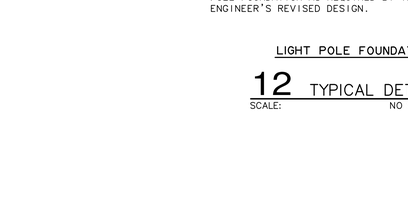
ANCHOR BOLT PLACEMENT

05 TYPICAL DETAIL
SCALE: NO SCALE



BEAM DEPTH TRANSITION

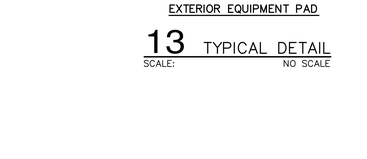
06 TYPICAL DETAIL
SCALE: NO SCALE



NOTE:
REFER TO ARCH'L. DRAWING'S FOR ACTUAL CONDITIONS AT DOORWAYS THAT MAY OR MAY NOT BE REFLECTED BY THIS DETAIL.

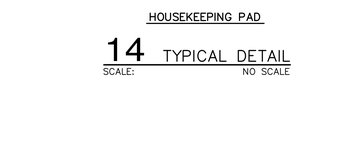
PAVING EXPANSION JOINT DETAIL

07 TYPICAL DETAIL
SCALE: NO SCALE



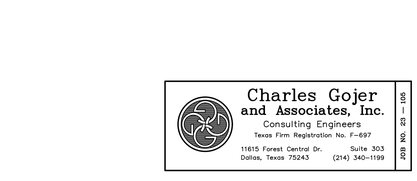
BEAM CONSTRUCTION JOINT

08 TYPICAL DETAIL
SCALE: NO SCALE



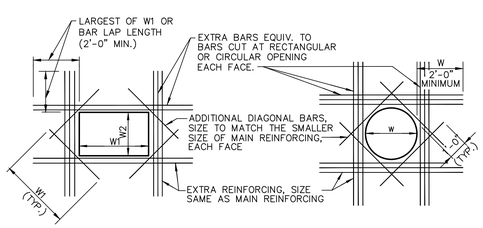
DEEP DROP IN TOP OF BEAM

09 TYPICAL DETAIL
SCALE: NO SCALE



SHALLOW DROP IN TOP OF BEAM

10 TYPICAL DETAIL
SCALE: NO SCALE



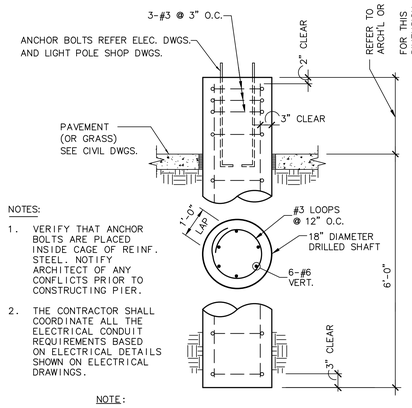
RECTANGULAR OPENINGS CIRCULAR OPENINGS

NOTES:

1. W1, W2 = DIMENSIONS OF RECTANGULAR OPENINGS PERPENDICULAR TO BARS CUT. FOR CIRCULAR OPENINGS W=DIAMETER. DRAWINGS FOR SLAB SEE MECHANICAL
2. NOT SPECIFIED AND WALL OPENINGS ON STRUCTURAL DRAWINGS. SUPPLEMENTARY REINFORCING MAY BE
3. OMITTED ONLY WHERE OPENING IS FRAMED BY BEAMS OR WALLS SUPPLEMENTARY REINFORCING NOT REQUIRED
4. WHEN SPECIFIED REINFORCING IS NOT CUT THESE OPENING REINFORCING DETAILS SHALL
5. BE USED FOR SLABS AS WELL AS FOR WALLS.

REINFORCING AROUND OPENINGS

11 TYPICAL DETAIL
SCALE: NO SCALE



NOTES:

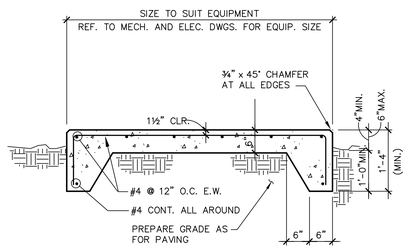
1. VERIFY THAT ANCHOR BOLTS ARE PLACED INSIDE CAGE OF REINF. STEEL. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO CONSTRUCTING PIER.
2. THE CONTRACTOR SHALL COORDINATE ALL THE ELECTRICAL CONDUIT REQUIREMENTS BASED ON ELECTRICAL DETAILS SHOWN ON ELECTRICAL DRAWINGS.

NOTE:
THIS LIGHT POLE FOUNDATION DETAIL APPLIES ONLY TO LIGHT POLES THAT ARE 25 FEET TALL OR SHORTER. FOR TALLER LIGHT POLES THE CONTRACTOR SHALL SUBMIT THE LIGHT POLE MANUFACTURER'S DATA TO THE ARCHITECT AND STRUCTURAL ENGINEER, AND SHALL CONSTRUCT THE LIGHT POLE FOUNDATION AS REQUIRED BY THE STRUCTURAL ENGINEER'S REVISED DESIGN.

LIGHT POLE FOUNDATION

12 TYPICAL DETAIL
SCALE: NO SCALE

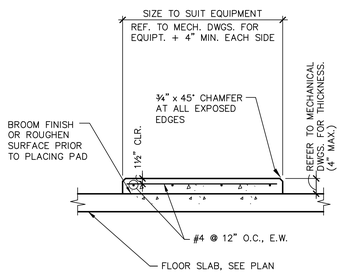
REFER TO EQUIPMENT MANUFACTURER'S SHOP DWGS. FOR REQ'D. SLEEVES, EQUIPT. ANCHOR BOLTS OR DEVICES OF ATTACHMENT PRIOR TO PAD PLACEMENT.



EXTERIOR EQUIPMENT PAD

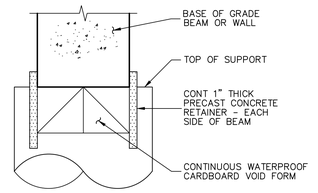
13 TYPICAL DETAIL
SCALE: NO SCALE

REFER TO EQUIPMENT MANUFACTURER'S CERTIFIED DWGS. FOR REQ'D. SLEEVES, EQUIPT. ANCHOR BOLTS OR DEVICES OF ATTACHMENT PRIOR TO PAD PLACEMENT.



HOUSEKEEPING PAD

14 TYPICAL DETAIL
SCALE: NO SCALE



VOID FORM AND SOIL RETAINER

15 TYPICAL DETAIL
SCALE: NO SCALE

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JOB NO. 23-105

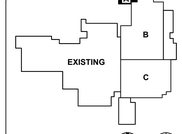
PBK
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DALLAS PBK.com
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MEP Design
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ACOUSTIX
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BECA
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CLIENT LOGO

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



CLIENT
CLIENT NAME

DATE	PROJECT NUMBER
2024.12.06	230050

DRAWING HISTORY

No.	Description	Date

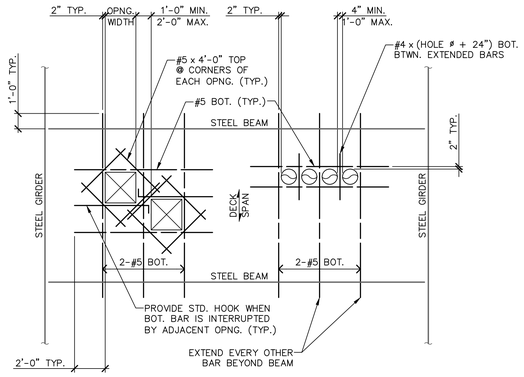
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BUILDING NUMBER

TYPICAL DETAILS

S-601

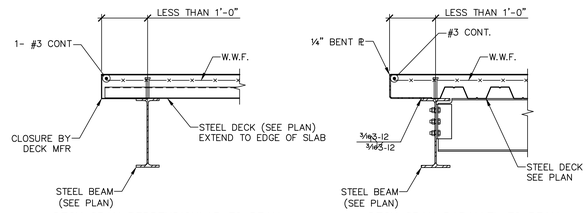
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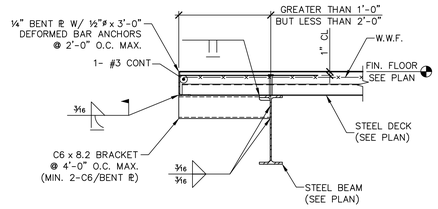
01 TYPICAL SLAB ON STEEL DECK OPENING REINFORCING DETAIL

SCALE: NO SCALE

1. COORDINATE OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. OPENINGS NOT SHOWN OR AT VARIANCE WITH THOSE SHOWN ON THE STRUCTURAL DRAWINGS MUST BE CONFIRMED AS TO LOCATION AND REINFORCING BY THE STRUCTURAL ENGINEER.
2. MAXIMUM OPENING WIDTH SHALL BE 2'-0". REFERENCE TYPICAL SLAB ON STEEL DECK OPENING FRAMING DETAILS FOR OPENING WIDTHS GREATER THAN 2'-0".
3. SLAB REINFORCING SHALL BE LOCATED WITHIN 2" OF OPENING ON ALL SIDES.
4. OPENINGS 10" AND SMALLER DO NOT REQUIRE ADDITIONAL REINFORCING.
5. FIELD CUT OPENINGS IN DECK AFTER CONCRETE SLAB HAS BEEN POURED AND HAS ATTAINED 75% OF IT'S SPECIFIED 28 DAY COMPRESSIVE STRENGTH. FRAME OPENING PER TYPICAL SLAB ON STEEL DECK OPENING FRAMING DETAILS IF DECK IS CUT BEFORE CONCRETE IS PLACED AND OPENING IS GREATER THAN 10".
6. REINFORCING PERPENDICULAR TO DECK SPAN SHALL BE PLACED ON TOP OF DECK FLUTES.
7. REINFORCING PARALLEL TO DECK SPAN SHALL BE PLACED IN THE LOWER FLUTE AND SHALL BE CHAIRED TO PROVIDE 3/4" COVER.



DECK SPAN PERPENDICULAR TO BEAM — DECK SPAN PARALLEL TO BEAM

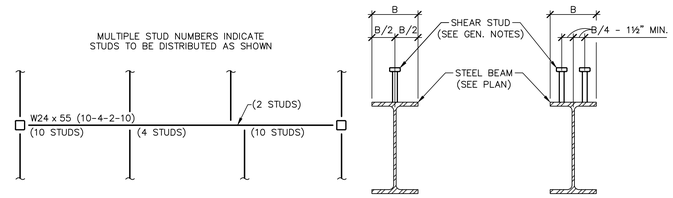


DECK SPAN PARALLEL OR PERPENDICULAR TO BEAM

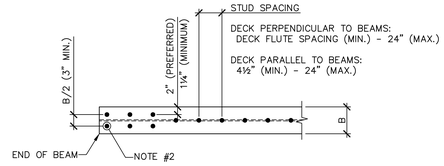
02 TYPICAL SLAB ON STEEL DECK EDGE DETAILS

SCALE: NO SCALE

1. SEE FLOOR SECTIONS FOR EXTERIOR EDGE DETAILS & FOR ATYPICAL SLAB EDGE CONDITIONS.
2. INFORMATION SHOWN ON FLOOR SECTIONS SHALL TAKE PRECEDENCE OVER THESE TYPICAL DETAILS.



KEY TO STUD DISTRIBUTION — SINGLE ROW — DOUBLE ROW

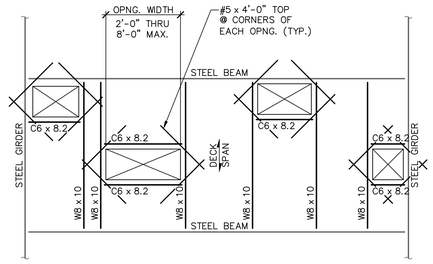


STUD DISTRIBUTION - PLAN

03 TYPICAL SHEAR STUD PLACEMENT DETAILS

SCALE: NO SCALE

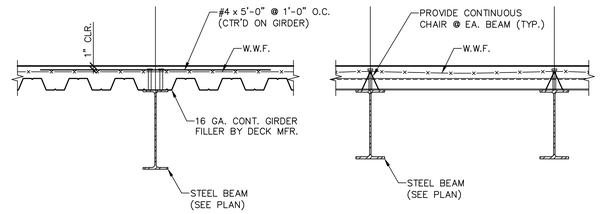
1. SHEAR STUDS SHALL BE SPACED OVER THE LENGTH OF THE BEAM OR AS INDICATED ON THE DRAWINGS.
2. WHERE THE NUMBER OF STEEL DECK CORRUGATIONS AVAILABLE IS LESS THAN THE NUMBER OF SHEAR STUDS, USE PAIRS OF STUDS STARTING FROM EACH END OF THE BEAM AND CONTINUING TOWARD THE CENTER UNTIL IT IS POSSIBLE TO RETURN TO A SINGLE STUD IN EACH CORRUGATION.
3. STUDS SHALL BE SPACED NOT CLOSER THAN 4 AND 6 STUD DIAMETERS IN THE TRANSVERSE AND LONGITUDINAL DIRECTIONS, RESPECTIVELY.



04 TYPICAL SLAB ON STEEL DECK OPENING FRAMING DETAILS

SCALE: NO SCALE

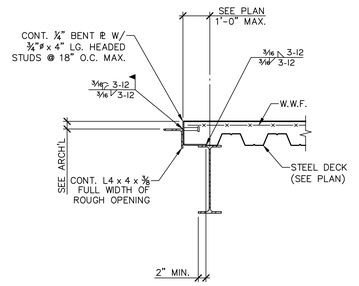
1. COORDINATE OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. OPENINGS NOT SHOWN OR AT VARIANCE WITH THOSE SHOWN ON THE STRUCTURAL DRAWINGS MUST BE CONFIRMED AS TO LOCATION AND REINFORCING BY THE STRUCTURAL ENGINEER.
2. MAXIMUM OPENING WIDTH SHALL BE 8'-0". NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS EXCEEDING THE MAXIMUM 8'-0" WIDTH.
3. REFERENCE TYPICAL SLAB ON STEEL DECK EDGE DETAILS FOR CLOSURES AROUND OPENINGS.



NEGATIVE REINFORCING @ GIRDER — W.W.F. DRAPE @ BEAMS

05 TYPICAL COMPOSITE SLAB REINFORCING DETAILS

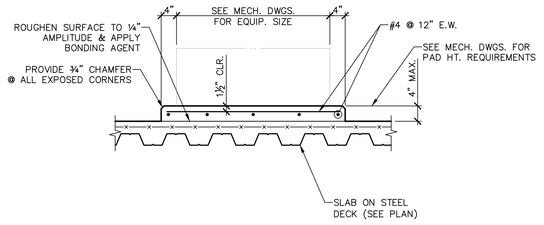
SCALE: NO SCALE



06 TYPICAL ELEVATOR SILL @ SLAB ON STEEL DECK

SCALE: NO SCALE

1. PROVIDE CONTINUOUS ELEVATOR SILL ANGLE AT THRESHOLD OF ELEVATOR OPENING. SEE ARCHITECTURAL DRAWINGS FOR LOCATION.



07 TYPICAL EQUIPMENT PAD @ SLAB ON STEEL DECK

SCALE: NO SCALE

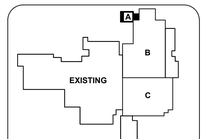
1. REFERENCE EQUIPMENT MANUFACTURER'S CERTIFIED DRAWINGS FOR REQUIRED SLEEVES, EQUIPMENT, ANCHOR BOLTS OR ATTACHMENT DEVICES PRIOR TO PAD PLACEMENT.

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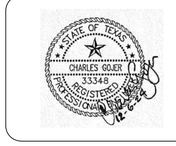
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T 972-788-3700
BUILDING ENVELOPE
BEAM
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DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN NORTH: PLAN TRUE



CLIENT
CLIENT NAME

DATE	PROJECT NUMBER
2024.12.06	230050

DRAWING HISTORY

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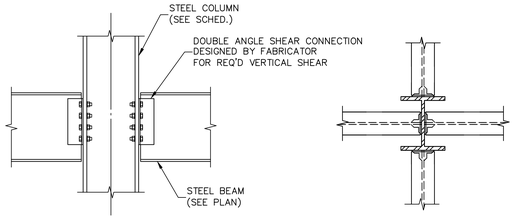
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BUILDING NUMBER

TYPICAL DETAILS

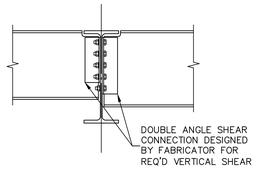
S-602

23-105\STRUCT\23105S62.DWG / 3/4=1'-0" / DEC 05, 2024 / 6:57 PM / CHARLES /



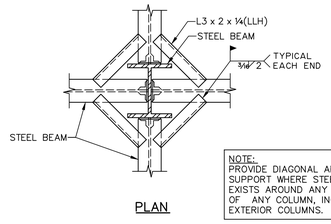
BEAM TO COLUMN FLANGE CONNECTION

01 TYPICAL DETAIL
SCALE: N.T.S.



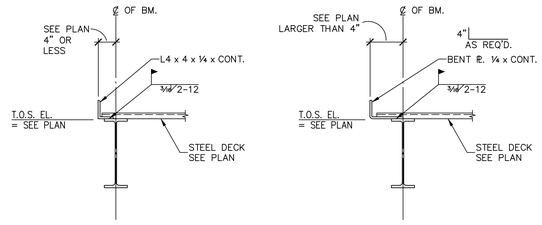
BEAM TO GIRDER WEB CONNECTION

02 TYPICAL DETAIL
SCALE: N.T.S.



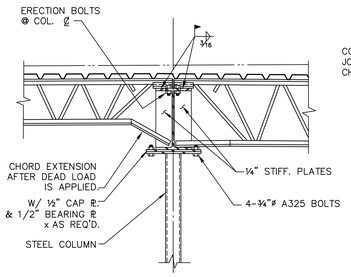
METAL DECK SUPPORT AT COLUMN

03 TYPICAL DETAIL
SCALE: 04



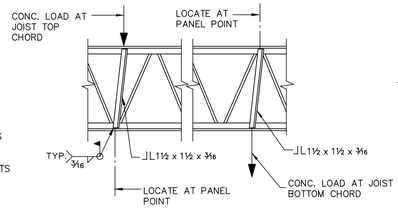
EXTERIOR EDGE OF DECK AT EXTERIOR BEAM

04 TYPICAL DETAIL
SCALE: 05



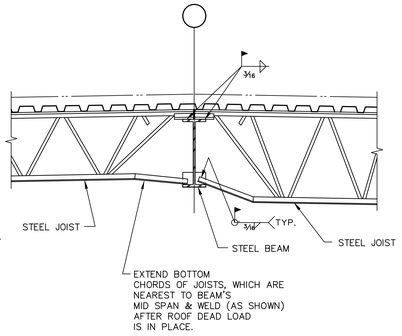
JOIST EXTENSION AT COLUMN

05 TYPICAL DETAIL
SCALE: NO SCALE



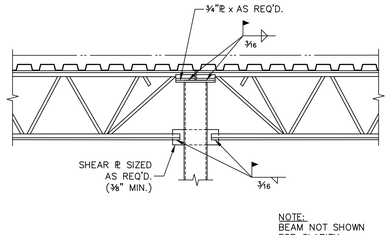
JOIST STIFFENERS AT CONCENTRATED LOADS

06 TYPICAL DETAIL
SCALE: NO SCALE

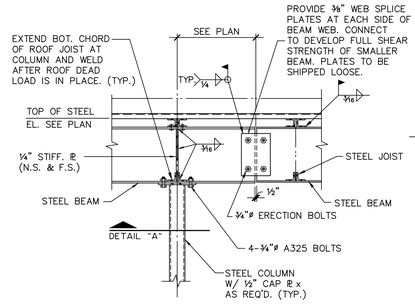


JOIST EXTENSION AT MIDSPAN OF ROOF BEAM

07 TYPICAL DETAIL
SCALE: NO SCALE

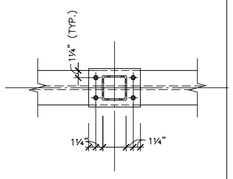


08 TYPICAL DETAIL
SCALE: NO SCALE

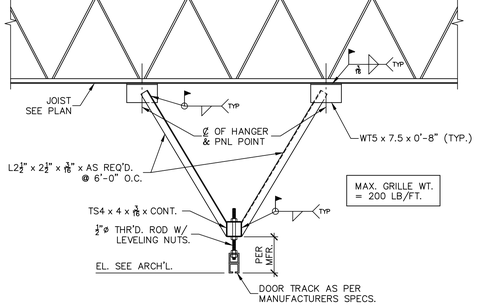


BEAM/COLUMN CONNECTION AND BEAM SPLICE

09 TYPICAL DETAIL
SCALE: NO SCALE

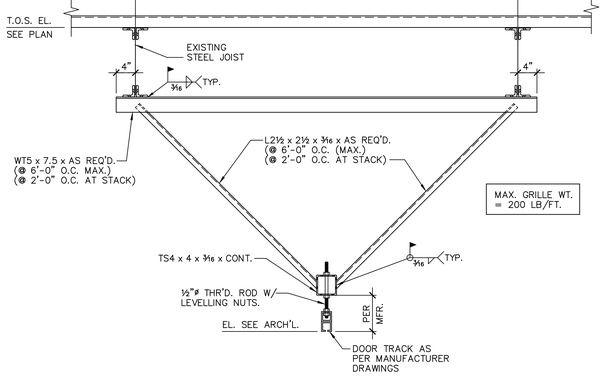


DETAIL "A"
NO SCALE



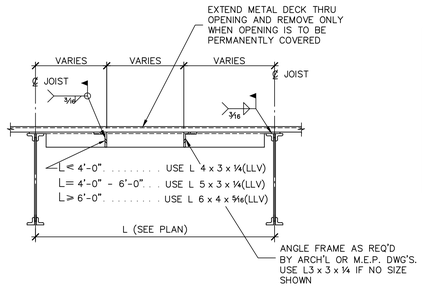
ROLLING GRILLE SUPPORT DETAIL

10 TYPICAL DETAIL
SCALE: NO SCALE



ROLLING GRILLE SUPPORT DETAIL

11 SECTION
SCALE: NO SCALE



DECK REINFORCING AT ROOF OPENING

12 TYPICAL DETAIL
SCALE: NO SCALE

STEEL LINTEL SCHEDULE			
MASONRY OPENING	SIZE	DETAIL	MINIMUM BEARING LENGTH (IN.)
UP TO 4'-0"	L 3½ x 3½ x ¼	⌊	8
TO 5'-0"	L 4 x 3½ x ¼	⌊	8
TO 6'-0"	L 5 x 3½ x 5/16	⌊	8
TO 7'-0"	L 6 x 3½ x 5/16	⌊	8

NOTES:

1. PLACE ANGLES WITH LONG LEG VERTICAL.
2. HOT-DIP GALVANIZE ALL STEEL LINTELS.
3. STEEL LINTELS FOR SPANS GREATER THAN 7'-0" SHALL BE AS SHOWN ON SECTIONS. IF DETAILS ARE NOT SPECIFICALLY PROVIDED, THE CONTRACTOR SHALL FURNISH LINTELS AS DIRECTED BY THE STRUCTURAL ENGINEER. ALLOW 15 LBS/FT FOR BIDDING PURPOSES. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR SPECIALLY DESIGNED LINTELS BY THE STRUCTURAL ENGINEER.

13 STEEL LINTEL SCHEDULE
SCALE: NO SCALE

Charles Gojer and Associates, Inc.
Consulting Engineers
Texas Firm Registration No. F-697
11615 Forest Central Dr. Suite 303
Dallas, Texas 75243 (214) 340-1199
JOB NO. 23-105

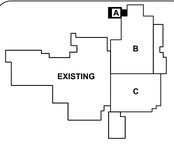
PBK
ARCHITECT PBK Architects, Inc.
DALLAS PBK.com
14001 Dallas Parkway, Suite 400
Dallas, TX 75240
972-233-1323 P
972-233-1373 F
TX Firm: BR 1608
CIVIL
Simon Engineering & Consulting, Inc.
P 214-456-7870
STRUCTURAL
Charles Gojer and Associates, Inc.
214-340-1199
MEP/FP
T 214-717-6900
TECHNOLOGY
LEAP ENGINEERS
T 972-233-1323
ACOUSTIC
T 972-233-1323
LANDSCAPE
T 972-934-3700
BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL
RENOVATIONS AND ADDITION

ORG 023
1619 W WHEATLAND RD.
DALLAS, TX 75232
ISSUED FOR PERMIT

CLIENT LOGO

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



CLIENT
CLIENT NAME

DATE 2024.12.06
PROJECT NUMBER 230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

TYPICAL DETAILS

S-603

23-105\STRUCT\23105S63.DWG / 3/4=1'-0" / DEC 05, 2024 / 6:57 PM / CHARLES /

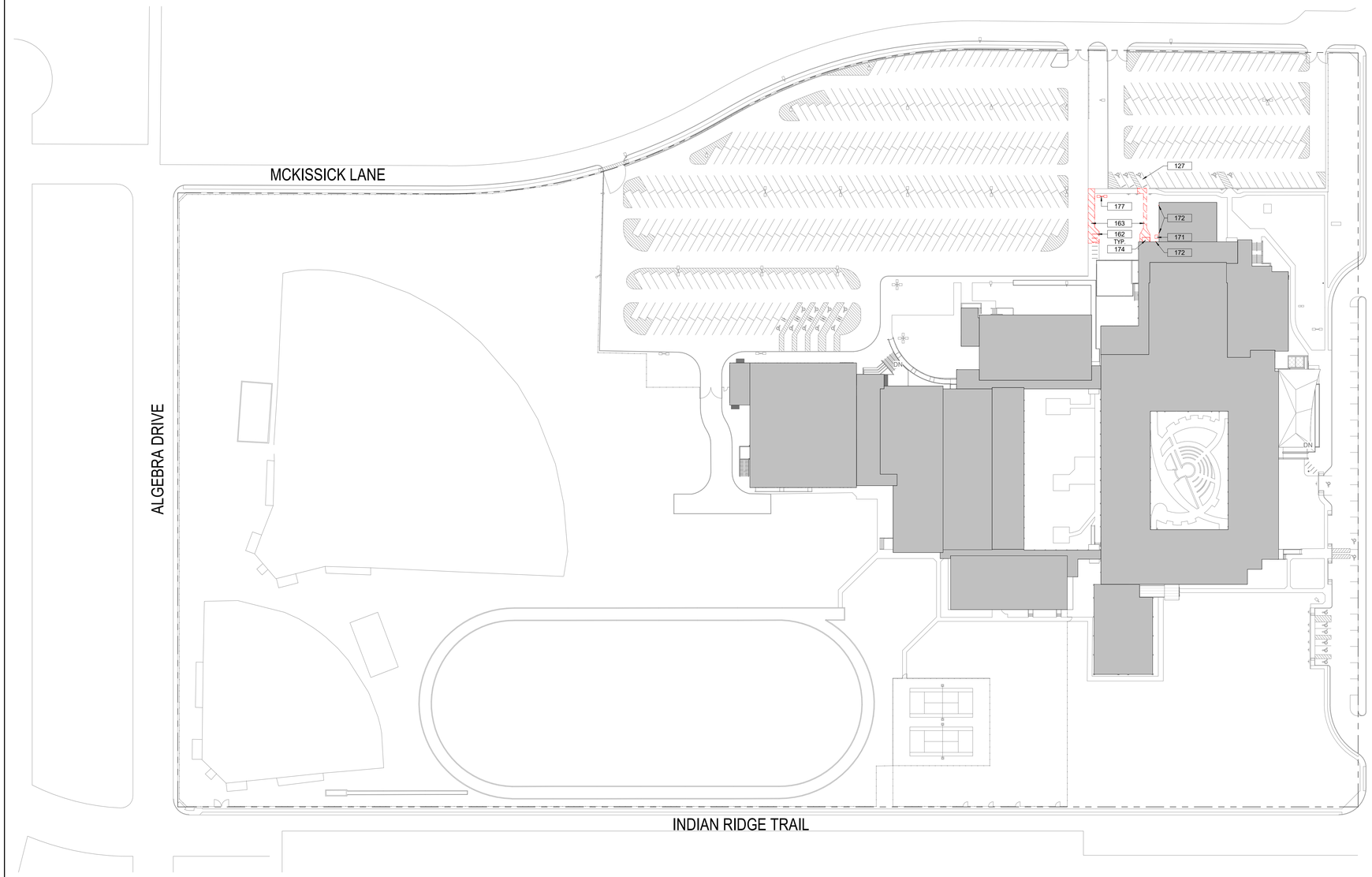
DEMOLITION ARCHITECTURAL SITE PLAN

ASD101

FOR BLUEBEAM LABELING/OCR:

0"

1"



06 ARCHITECTURAL DEMO SITE PLAN - COMPOSITE
1" = 60'-0"

GENERAL SITE DEMOLITION NOTES

1. DEMOLITION PLANS INDICATE SOME OF THE SCOPE-OF-WORK INVOLVED FOR THE DEMOLITION PHASE OF THIS PROJECT. CONTRACTOR SHALL REVIEW ALL SHEETS FOR ADDITIONAL DEMOLITION SCOPE.
2. CONTRACTOR SHALL VERIFY EXISTING SITE AND BUILDING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO DEMOLITION ACTIVITIES AND WORK.
3. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES IN WRITING.
4. CONTRACTOR SHALL NOTIFY ARCHITECT AND OWNER OF ANY POSSIBLE ASBESTOS CONTAINING MATERIALS DISCOVERED BEFORE PROCEEDING WITH WORK, PROTECT INTERIOR CONSTRUCTION TO REMAIN DURING DEMOLITION AND CONSTRUCTION.
5. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS BEFORE COMMENCING WORK.
6. AFTER AWARD OF THE CONTRACT, CHANGE ORDER REQUESTS FOR ADDITIONAL MONEY WILL NOT BE APPROVED IF THE WORK COULD HAVE BEEN ANTICIPATED DURING A SITE VISIT BY THE CONTRACTOR
7. CONTRACTOR SHALL NOT SCALE DRAWINGS.
8. CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY SHORING, TEMPORARY BRACING, AND OR TEMPORARY SUPPORTS AS REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY OF EXISTING STRUCTURE TO REMAIN AND OR EXISTING BUILDING ELEMENTS TO REMAIN.
9. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO DEMOLITION ACTIVITIES AND WORK.
10. CONTRACTOR SHALL REMOVE TRASH AND DEBRIS REGULARLY AS NECESSARY TO ELIMINATED INTERFERENCE WITH ROADS, STREET, WALKS, AND ALL OTHER ADJACENT FACILITIES.
11. CONTRACTOR SHALL REMOVE TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
12. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF TEMPORARY DUST AND OR SOUND PARTITION BETWEEN CONSTRUCTION AREA AND AREAS NOT IN SCOPE AS NECESSARY. DEMOLITION ACTIVITIES SHALL BE PERFORMED SO AS TO PRODUCE MINIMAL DISTURBANCE TO EXISTING FACILITY AND OCCUPANTS (I.E. MINIMIZE EXCESSIVE AND PROLONGED NOISE LEVELS AND DUST).
13. CONTRACTOR SHALL REPAIR, REPLACE, OR PATCH EXISTING BUILDINGS, DRIVEWAYS, SIDEWALKS, CANOPIES, AND OR PARKING AREAS DAMAGED, MODIFIED, AND OR DISTURBED BY DEMOLITION WORK AT NO COST TO THE OWNER.
14. ALL EXISTING EQUIPMENT THAT REMAINS SHALL BE PROTECTED DURING DEMOLITION AND OR CONSTRUCTION TO PREVENT DAMAGE. ANY DAMAGE TO REMAINING EXISTING EQUIPMENT SUSTAINED DURING DEMOLITION AND OR CONSTRUCTION SHALL BE EQUIVALENTLY REPLACED OR EQUIVALENTLY REPAIRED AT NO COST TO THE OWNER.
15. CONTRACTOR SHALL PROVIDE TRAFFIC HANDLING MEASURES TO PROTECT THE GENERAL PUBLIC AT ALL TIMES, AS NECESSARY AND AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
16. DO NOT INTERRUPT EXISTING UTILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
17. WHEN UTILITY SERVICES ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANDONED, PROVIDE BYPASS CONNECTIONS TO MAINTAIN CONTINUITY OF SERVICE BEFORE PROCEEDING WITH DEMOLITION.
18. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES INCLUDING BUT NOT LIMITED TO THE FOLLOWING: ELECTRIC, GAS, WATER, TELEPHONE, STORM SEWER, AND SANITARY SEWER FOR FIELD LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITY LINES. PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK, CONTRACTOR SHALL IDENTIFY ALL ELECTRICAL CIRCUITS SERVICING THE AREA INVOLVED WITH THIS DEMOLITION. THOSE CIRCUITS SHALL THEN BE LOCKED OUT AND TAGGED OUT IF THEY DO NOT SERVICE ANY OF THE REMAINING BUILDING. THOSE CIRCUITS WHICH ARE IDENTIFIED TO SERVICE BOTH THE AREA TO BE DEMOLISHED AND THE REMAINING BUILDING SHALL BE SPLIT SO AS TO KILL ALL ELECTRICAL POWER TO THE AREA TO BE DEMOLISHED WHILE MAINTAINING POWER TO THE REMAINDER OF THE BUILDING.
19. CONTRACTOR SHALL RELOCATE UTILITIES AND EQUIPMENT AS REQUIRED TO ACCOMMODATE NEW HVAC, ELECTRICAL, PLUMBING, AND TECHNOLOGY REQUIREMENTS FOR NEW WORK.
20. PROTECT EXISTING SITE ELEMENTS AND EXISTING LANDSCAPING TO REMAIN. PROTECTION SHALL INCLUDE BUT NOT BE LIMITED TO EXISTING TREES AND OTHER EXISTING VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING, OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIAL OR EXCAVATED MATERIAL WITHIN DRIP LINES.
21. CONTRACTOR SHALL REGRADE AND HYDROMULCH AREAS AFFECTED BY DEMOLITION.
22. OWNER HAS RIGHT OF FIRST REFUSAL OF ALL ITEMS REMOVED AS PART OF THE SCOPE OF WORK, WHETHER IDENTIFIED AS SALVAGE OR NOT.
23. NOTIFY THE BUILDING OWNER OF ANY MATERIALS, FIXTURES, ETC. TO BE REMOVED THAT ARE DEEMED SALVAGEABLE. TURN OVER ANY REQUESTED ITEMS TO THE BUILDING OWNER IN GOOD AND CLEAN CONDITION.
24. ALL FURNITURE WILL BE REMOVED OR RELOCATED BY THE OWNER AS NECESSARY PRIOR TO THE DEMOLITION WORK OF THIS PROJECT. CONTRACTOR SHALL COORDINATE WITH OWNER AS REQUIRED.

SITE DEMOLITION PLAN LEGEND

- EXISTING BUILDING
- DEMO EXISTING FLATWORK
- EXISTING LIGHT POLE, U.N.O.
- EXISTING CHAINLINK FENCE
- EXISTING ORNAMENTAL FENCE

KEYNOTE LEGEND

NUMBER	DESCRIPTION
127	EXISTING ACCESSIBLE PARKING SIGNAGE AND STRIPING TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION. REPLACE ANY SIGNAGE DAMAGED DURING CONSTRUCTION.
162	REMOVE EXISTING BIKE RACK IN AREA OF FLATWORK BEING REMOVED
163	REMOVE EXISTING FLATWORK
171	REMOVE EXISTING CRAWLSPACE HATCH ACCESS, DOOR AND CURB ASSOCIATED COMPONENTS AS NEEDED, PREP FOR NEW ACCESS LOCATION.
172	REMOVE EXISTING DOWNSPOUTS PREP FOR NEW DRAINAGE ROUTING.
174	REMOVE EXISTING CANOPY ALONG WITH ANY ITEMS HOUSED WITHIN CANOPY. MAKE SAFE AS NEEDED.
177	REMOVE EXISTING LIGHT POST IN ITS ENTIRETY. G.C. TO CONFIRM WITH OWNER IF ITEM IS TO BE SALVAGED, RELOCATED OR DEMOLISHED.

PBK

ARCHITECT PBK Architects, Inc.
DALLAS PBK.com
14001 Dallas Parkway, Suite 400
Dallas, TX 75240
972-233-1323 P
972-233-1373 F
TX Firm: BR 1608

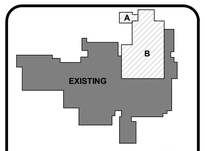
CIVIL
Simon Engineering & Consulting, Inc.
T 214-886-7870
STRUCTURAL
Charles Goer and Associates, Inc.
T 214-340-1199
MEP
MEP/FP/SPR
T 214-217-9900
TECHNOLOGY
LEAF ENGINEERS
T 972-233-1323
ACOUSTIC
RWDAI
T 214-744-3700
BUILDING ENVELOPE
BEAN
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN NORTH: PLAN TRUE

ARCHITECT



2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

DEMOLITION ARCHITECTURAL SITE PLAN

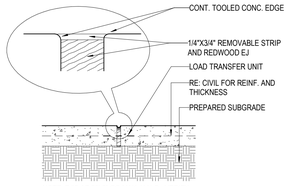
ASD101

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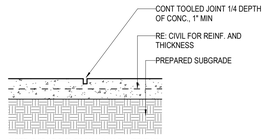
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DRAWN BY:
Author
Plot Stamp:
10/28/2025 9:22:56 AM

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1"

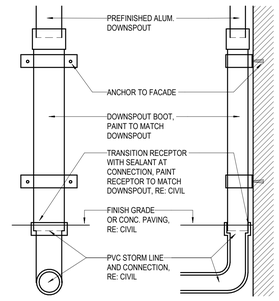
ARCHITECTURAL SITE PLAN & DETAILS
AS100
FOR BLUEBEAM LABELING/OCR:



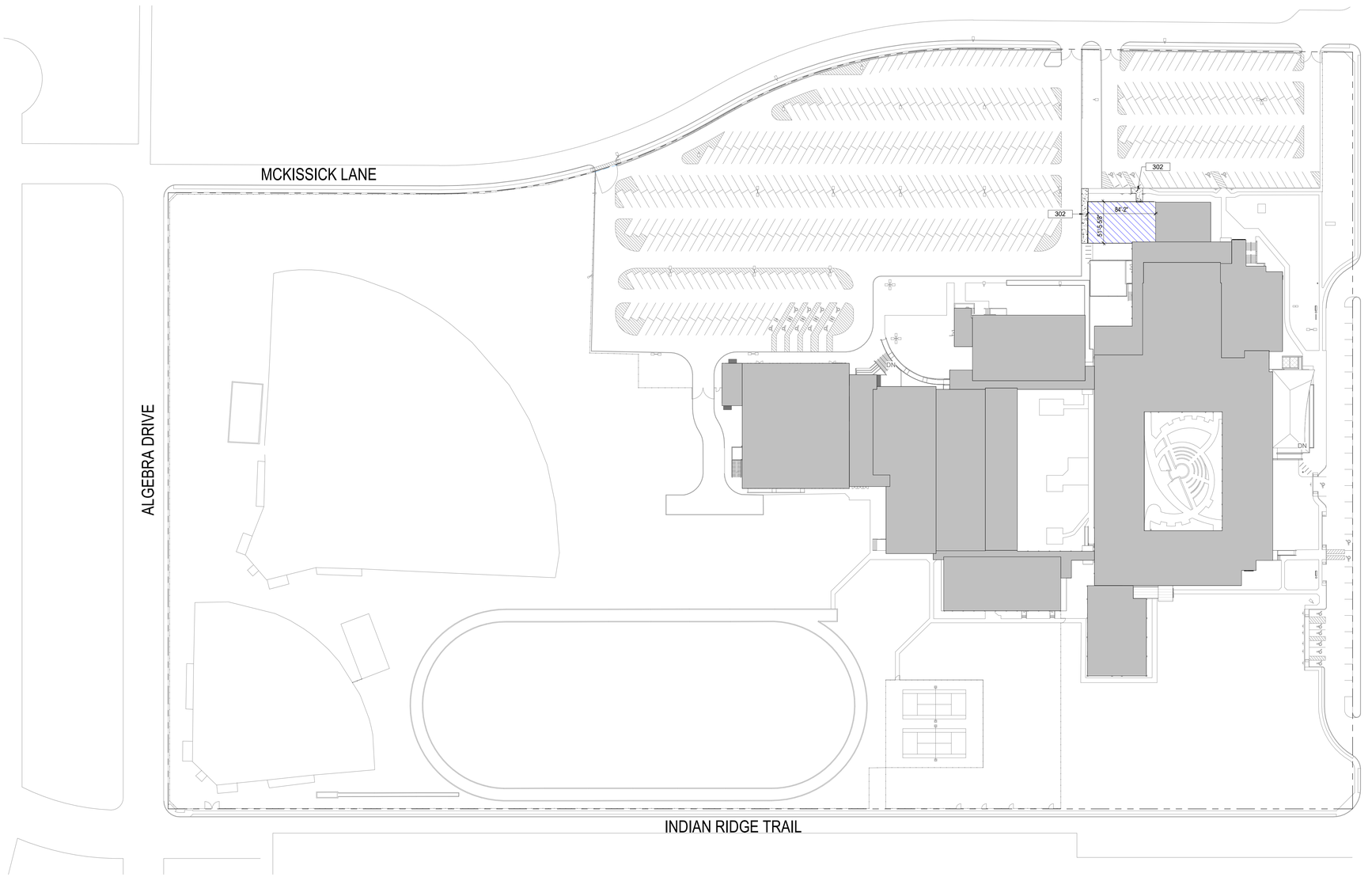
28 CONCRETE WALK EJ
1" = 1'-0"



27 CONCRETE WALK CJ
1" = 1'-0"



26 DOWNSPOUT BOOT
1" = 1'-0"



06 ARCHITECTURAL SITE PLAN - COMPOSITE
1" = 60'-0"

GENERAL ARCH SITE PLAN NOTES

1. REFER TO CIVIL DOCUMENTS.
2. COORDINATE ALL SPOT ELEVATIONS AND DIMENSIONS WITH CIVIL, LANDSCAPE, AND OR STRUCTURAL DOCUMENTS.
3. PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS OF 1% MINIMUM, 2% MAXIMUM AT ALL EXTERIOR PAVED PEDESTRIAN AREAS, INCLUDING BUT NOT LIMITED TO SIDEWALKS, PATIOS, STAIRS, PAVING, U.N.O.
4. PROVIDE AND INSTALL POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS OF 5% FOR A HORIZONTAL DISTANCE OF 10 FEET AT ALL EXTERIOR NON-PAVED AREAS U.N.O.
5. REFER TO CIVIL DOCUMENTS FOR CONCRETE SIDEWALK EXPANSION JOINTS AND CONCRETE SIDEWALK CONTROL JOINTS.
6. VERIFY AND CONFIRM ALL JOINT LAYOUTS AT ALL CONCRETE SIDEWALKS WITH ARCHITECT PRIOR TO POURING OF CONCRETE.
7. PROVIDE AND INSTALL CONCRETE SIDEWALK EXPANSION JOINTS AT AREAS NOT SPECIFICALLY INDICATED AT 50 FEET ON-CENTER MAX. U.N.O.
8. PROVIDE AND INSTALL CONCRETE SIDEWALK CONTROL JOINTS AT AREAS NOT SPECIFICALLY INDICATED AT DISTANCES EQUIVALENT TO SIDEWALK WIDTH, BUT NOT TO EXCEED 10 FEET ON-CENTER MAX.
9. VERIFY ALL SITE SIGNAGE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION OF SITE SIGNAGE.

PARKING COUNT		
PARKING TYPE	PARKING REQUIRED	PARKING ACTUAL
Handicap	11	20
Handicap Van	3	3
Standard	566	566
Total	580	589

PARKING REQUIREMENTS:
9.5 PARKING SPACE - PER EACH HIGH SCHOOL CLASSROOM (61 CLASSROOMS)

TOTAL REQUIRED: 580 SPACES

EXISTING PARKING SPACES:

TOTAL PROVIDED PARKING SPACES: 589 SPACES

ACCESSIBLE PARKING SPACES, PER TAS TABLE 208.2
401 - 500 REQUIRES A MINIMUM NUMBER OF 8 ACCESSIBLE SPACES 2 OF THE 8 TO BE VAN

ARCH SITE PLAN LEGEND

- EXISTING BUILDING
- NEW BUILDING / ADDITION
- EXISTING LIGHT POLE, U.N.O.
- PROPERTY LINE
- EXISTING CHAINLINK FENCE
- EXISTING ORNAMENTAL FENCE

KEYNOTE LEGEND

NUMBER	DESCRIPTION
302	NEW CONCRETE FLATWORK, RE: CIVIL

PBK

ARCHITECT — PBK Architects, Inc. — PBK.com
DALLAS
14001 Dallas Parkway, Suite 400
Dallas, TX 75240
972-233-1323 P
972-233-1373 F
TX Firm: BR 1608

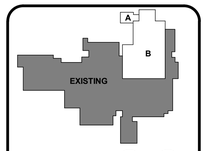
CIVIL
Simon Engineering & Consulting, Inc.
T 214-886-7870
STRUCTURAL
Charles Goen and Associates, Inc.
T 214-365-1195
MEP/FP
MEP/FP
T 214-217-9500
TECHNOLOGY
LEAF ENGINEERS
T 972-233-1323
ACOUSTIC
Pinnacle
T 214-244-3700
BUILDING ENVELOPE
BEAN
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1919 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
DANIEL S BERGER
REGISTERED ARCHITECT
23370
STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

ARCHITECTURAL SITE PLAN & DETAILS

AS100

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David W. Carter High School Interior Renovations and Additions.rvt
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
10/28/2025 9:23:00 AM

GENERAL ARCH DEMOLITION NOTES

1. DEMOLITION PLANS INDICATE SOME OF THE SCOPE-OF-WORK INVOLVED FOR THE DEMOLITION PHASE OF THIS PROJECT. CONTRACTOR SHALL REVIEW ALL SHEETS FOR ADDITIONAL DEMOLITION SCOPE.
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12. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF TEMPORARY DUST AND OR SOUND PARTITION BETWEEN CONSTRUCTION AREA AND AREAS NOT IN SCOPE AS NECESSARY. DEMOLITION ACTIVITIES SHALL BE PERFORMED SO AS TO PRODUCE MINIMAL DISTURBANCE TO EXISTING FACILITY AND OCCUPANTS (I.E. MINIMIZE EXCESSIVE AND PROLONGED NOISE LEVELS AND DUST).
13. ALL EXISTING EQUIPMENT THAT REMAINS SHALL BE PROTECTED DURING DEMOLITION AND OR CONSTRUCTION TO PREVENT DAMAGE. ANY DAMAGE TO REMAINING EXISTING EQUIPMENT SUSTAINED DURING DEMOLITION AND OR CONSTRUCTION SHALL BE EQUIVALENTLY REPLACED OR EQUIVALENTLY REPAIRED AT NO COST TO THE OWNER.
14. OWNER HAS RIGHT OF FIRST REFUSAL OF ALL ITEMS REMOVED AS PART OF THE SCOPE OF WORK, WHETHER IDENTIFIED AS SALVAGE OR NOT.
15. NOTIFY THE BUILDING OWNER OF ANY MATERIALS, FIXTURES, ETC. TO BE REMOVED THAT ARE DEEMED SALVAGEABLE. TURN OVER ANY REQUESTED ITEMS TO THE BUILDING OWNER IN GOOD AND CLEAN CONDITION.
16. REMOVE EXISTING CONSTRUCTION TO THE EXTENT INDICATED ON THE DRAWINGS. SHOULD ANY DAMAGE OCCUR TO ANY EXISTING CONSTRUCTION TO REMAIN, THE CONTRACTOR SHALL REPAIR THE DAMAGE TO MATCH EXISTING AND OR ADJACENT CONSTRUCTION AT NO COST TO THE OWNER.
17. MAINTAIN ANY AND ALL EXISTING FIRE-RATED ASSEMBLIES THAT ARE TO REMAIN, AND THEIR ASSOCIATED FIRE-RATINGS, INCLUDING BUT NOT LIMITED TO ALL ASSOCIATED EXISTING FIRE-RATED OPENINGS, ALL ASSOCIATED EXISTING FIRE-RATED PENETRATIONS, AND ALL ASSOCIATED EXISTING FIRE-RATED FIRE STOPPING CONDITIONS.
18. WHEN UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONFLICT WITH THE INTENDED FUNCTION OR DESIGN ARE ENCOUNTERED, DETERMINE THE NATURE AND EXTENT OF THE CONFLICT AND NOTIFY THE ARCHITECT IMMEDIATELY FOR RESOLUTION.
19. REMOVE, PATCH, AND REPAIR ALL ABANDONED ROOF PENETRATIONS RESULTING FROM WORK.
20. SAW-CUT AND REMOVE EXISTING FLOOR FINISHES AND FLOOR SLAB AS REQUIRED TO INSTALL NEW FIXTURES, ITEMS, AND OR DEVISES FOR ALL SCOPE-OF-WORK PERTAINING TO NEW MECHANICAL WORK, NEW PLUMBING UTILITIES, NEW PLUMBING WORK, NEW ELECTRICAL WORK, AND NEW TECHNOLOGY WORK. SPLICE NEW REINFORCING BARS DOWELED INTO EXISTING CONCRETE AND PROVIDE NEW VAPOR RETARDER AND NEW CONTINUOUS WATERSTOPS AT JOINT BETWEEN NEW CONCRETE FLOOR SLAB AND EXISTING CONCRETE FLOOR SLAB. PATCH WITH NEW 3,500 PSI MINIMUM CONCRETE AND PREPARE FLOOR, INCLUDING NEW CONCRETE, TO RECEIVE NEW FLOOR FINISHES. COORDINATE WITH STRUCTURAL.
21. EXISTING WALLS (OR PORTIONS OF WALLS) TO BE REMOVED SHALL BE CUT FLUSH WHERE INTERSECTING WITH WALLS TO REMAIN. REMAINING WALLS TO BE PATCHED AND FINISHED SMOOTH.
22. NEW OPENINGS TO BE CUT IN EXISTING WALLS SHALL BE SAW-CUT AT LOCATIONS INDICATED TO THE HEIGHT AND WIDTH INDICATED. NEW LINTELS SHALL BE INSTALLED TO SUPPORT EXISTING WALL CONSTRUCTION ABOVE AS INDICATED ON THE DRAWINGS, OR IF NOT INDICATED, AS REQUIRED FOR NEW WALL CONSTRUCTION PER STRUCTURAL DRAWINGS. COORDINATE LOCATIONS OF ALL NEW OPENINGS IN EXISTING WALLS AND PARTITIONS WITH ARCHITECTURAL PLANS.
23. WHERE EXISTING WALL OPENINGS ARE TO BE NEWLY CLOSED-OFF, REMOVE ANY EXISTING OPENING FRAME AND PATCH AND REPAIR EXISTING WALL TO MATCH EXISTING ADJACENT MATERIALS AND FINISHES, U.N.O.
24. WHERE EXISTING INTERIOR WALLS ARE REPLACED OR REMOVED, REMOVE MEPT SYSTEMS BACK TO PANEL, OR MECHANICAL ROOM, OR FARTHEST POSSIBLE POINT WITHOUT DISTURBING EXISTING CONSTRUCTION. REMOVE EXISTING MECHANICAL EQUIPMENT, RELOCATE POWER PER MEPT DRAWINGS.
25. REFER TO MEPT DRAWINGS FOR DEMOLITION OF MEPT SYSTEMS. IDENTIFY WORK REQUIRED BY THIS CONTRACTOR WHICH MAY AFFECT DEMOLITION AND OR REPAIRS OF ARCHITECTURAL ELEMENTS. COORDINATE WITH RELATED SUBCONTRACTORS THE EXTENT OF ALL DEMOLITION WORK.
26. PATCH FLOORS, WALLS CEILINGS WHICH REMAIN AT LOCATIONS WHERE PIPES, CONDUITS, ETC. ARE REMOVED AS REQUIRED TO MATCH EXISTING CONDITIONS OR TO RECEIVE NEW FINISHES.
27. WHERE EXISTING FINISH FLOOR IS REMOVED, PREPARE FLOOR SURFACE TO RECEIVE NEW FLOORING.
28. ALL DASHED LINES ARE DEMOLITION LINES U.N.O.

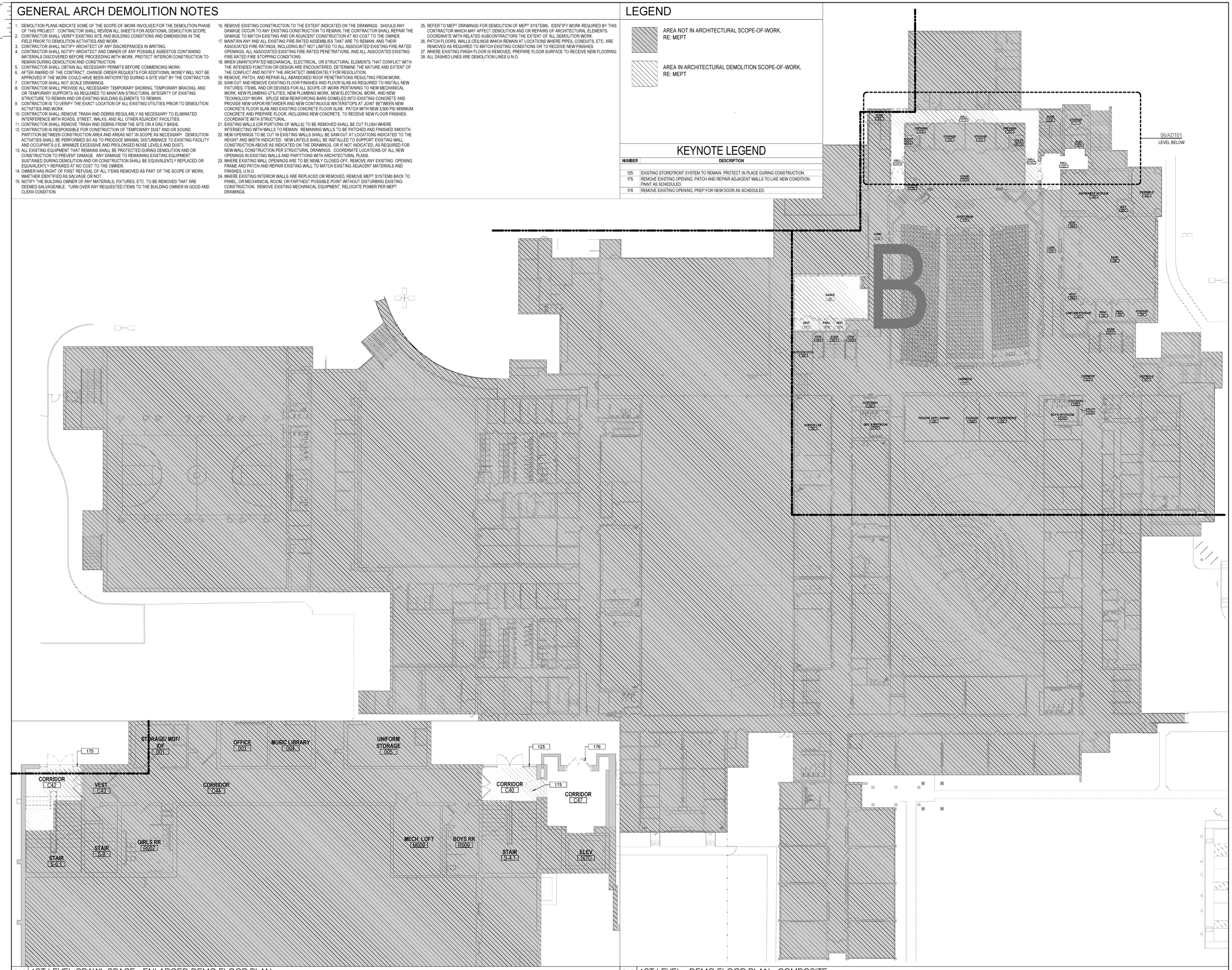
LEGEND

AREA NOT IN ARCHITECTURAL SCOPE-OF-WORK, RE: MEPT

AREA IN ARCHITECTURAL DEMOLITION SCOPE-OF-WORK, RE: MEPT

KEYNOTE LEGEND

NUMBER	DESCRIPTION
125	EXISTING STOREFRONT SYSTEM TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
175	REMOVE EXISTING OPENING, PATCH AND REPAIR ADJACENT WALLS TO LIKE NEW CONDITION. PAINT AS SCHEDULED.
176	REMOVE EXISTING OPENING, PREP FOR NEW DOOR AS SCHEDULED.



06 1ST LEVEL CRAWL SPACE - ENLARGED DEMO FLOOR PLAN
1/8" = 1'-0"

03 1ST LEVEL - DEMO FLOOR PLAN - COMPOSITE
3/64" = 1'-0"

PBK

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14001 Dallas Parkway, Suite 400
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972-233-1323 P
972-233-1373 F
TX Firm: BR 1608

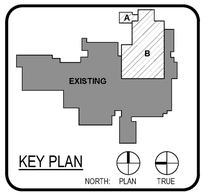
CIVIL
Simon Engineering & Consulting, Inc.
214-446-7810
STRUCTURAL
Charles Goter and Associates, Inc.
214-340-1189
MEP
MEP/FP
214-217-8166
TECHNOLOGY (LEAD ENGINEER)
972-233-1323
ACOUSTIX
Acoustix Consulting
214-396-3700
BUILDING ENVELOPE
Facet
817-255-7201

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN NORTH: PLAN TRUE

ARCHITECT

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

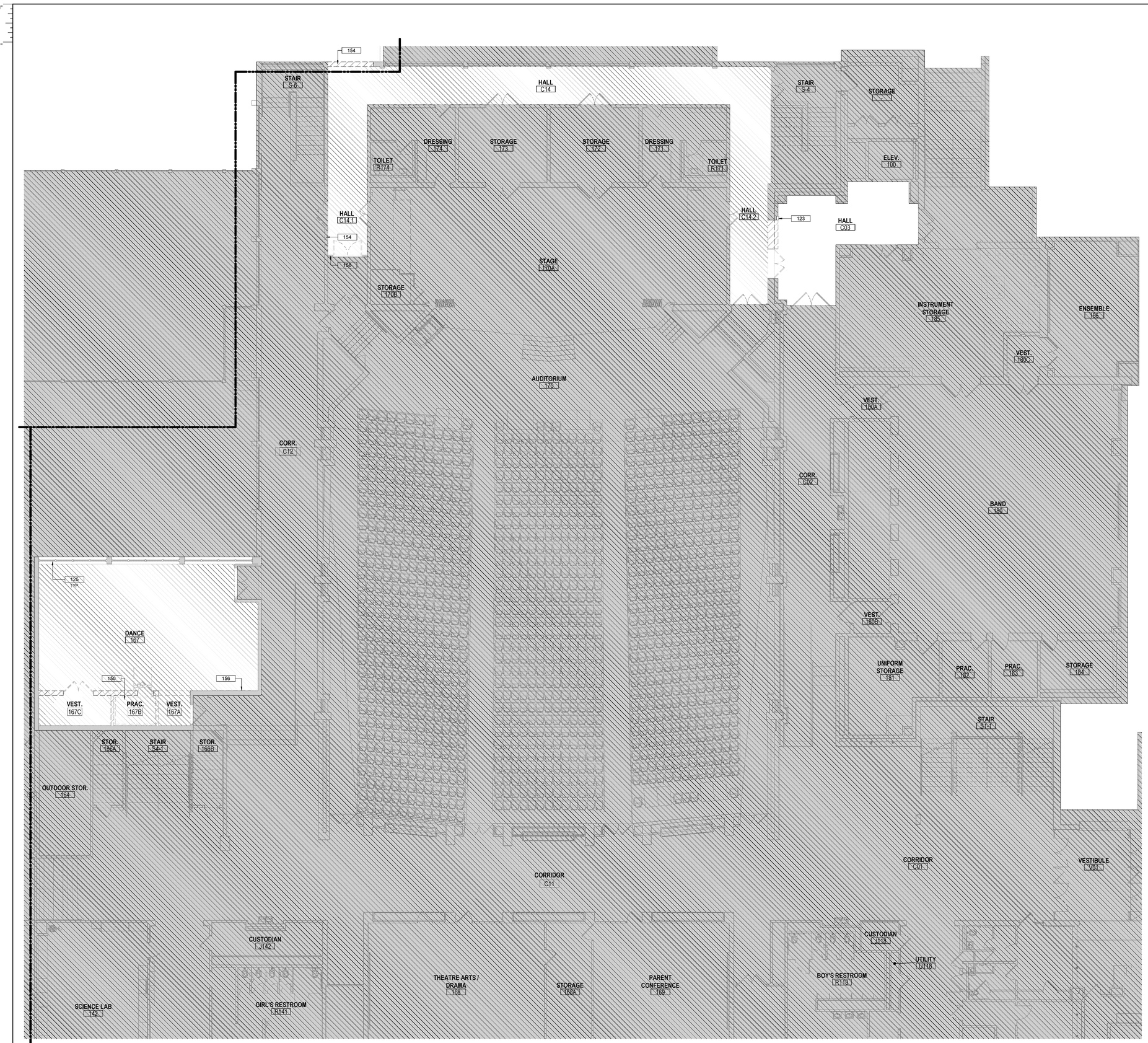
1ST FLOOR DEMOLITION PLAN - COMPOSITE

AD101

1ST FLOOR DEMOLITION PLAN - COMPOSITE
AD101
FOR BLUEBEAM LABELING/OCR:

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David W. Carter High School Interior Renovations and Additions.rvt

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Checker
DRAWN BY:
Author
Plot Stamp:
10/28/2025 9:24:31 AM



GENERAL ARCH DEMOLITION NOTES

1. DEMOLITION PLANS INDICATE SOME OF THE SCOPE-OF-WORK INVOLVED FOR THE DEMOLITION PHASE OF THIS PROJECT. CONTRACTOR SHALL REVIEW ALL SHEETS FOR ADDITIONAL DEMOLITION SCOPE.
2. CONTRACTOR SHALL VERIFY EXISTING SITE AND BUILDING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO DEMOLITION ACTIVITIES AND WORK.
3. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES IN WRITING.
4. CONTRACTOR SHALL NOTIFY ARCHITECT AND OWNER OF ANY POSSIBLE ASBESTOS CONTAINING MATERIALS DISCOVERED BEFORE PROCEEDING WITH WORK. PROTECT INTERIOR CONSTRUCTION TO REMAIN DURING DEMOLITION AND CONSTRUCTION.
5. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS BEFORE COMMENCING WORK.
6. AFTER AWARD OF THE CONTRACT, CHANGE ORDER REQUESTS FOR ADDITIONAL MONEY WILL NOT BE APPROVED IF THE WORK COULD HAVE BEEN ANTICIPATED DURING A SITE VISIT BY THE CONTRACTOR.
7. CONTRACTOR SHALL NOT SCALE DRAWINGS.
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16. ALL FURNITURE WILL BE REMOVED OR RELOCATED BY THE OWNER AS NECESSARY PRIOR TO THE COMMENCEMENT OF DEMOLITION WORK OF THIS PROJECT. CONTRACTOR SHALL COORDINATE WITH OWNER AS REQUIRED.
17. REMOVE EXISTING CONSTRUCTION TO THE EXTENT INDICATED ON THE DRAWINGS. SHOULD ANY DAMAGE OCCUR TO ANY EXISTING CONSTRUCTION TO REMAIN, THE CONTRACTOR SHALL REPAIR THE DAMAGE TO MATCH EXISTING AND OR ADJACENT CONSTRUCTION AT NO COST TO THE OWNER.
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19. WHEN UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONFLICT WITH THE INTENDED FUNCTION OR DESIGN ARE ENCOUNTERED, DETERMINE THE NATURE AND EXTENT OF THE CONFLICT AND NOTIFY THE ARCHITECT IMMEDIATELY FOR RESOLUTION.
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28. WHERE EXISTING FINISH FLOOR IS REMOVED, PREPARE FLOOR SURFACE TO RECEIVE NEW FLOORING.
29. ALL DASHED LINES ARE DEMOLITION LINES U.N.O.

DEMOLITION FLOOR PLAN LEGEND

- AREA NOT IN ARCHITECTURAL SCOPE-OF-WORK, RE: MEPT
- DEMO WALL
- DEMO EXISTING FLOOR FINISH, PREP FOR NEW
- DEMO MASONRY WALL
- DEMO GLAZING
- DEMO ELEMENT AS NOTED
- DEMO DOOR
- EXISTING DOOR AND FRAME TO REMAIN U.N.O., G.C. TO PROTECT IN PLACE AND CLEAN BEFORE PROJECT COMPLETION

KEYNOTE LEGEND

NUMBER	DESCRIPTION
123	EXISTING FIRE EXTINGUISHER TO BE CAREFULLY REMOVED, SALVAGED, AND RELOCATED
125	EXISTING STOREFRONT SYSTEM TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
150	REMOVE EXISTING SOUND ISOLATED PRACTICE ROOM IN ITS ENTIRETY. PATCH EXISTING FLOORWALL AS NEEDED.
154	REMOVE PORTION OF EXISTING WALL, REPAIR EDGE AND MATCH ADJACENT FINISH.
156	REMOVE EXISTING WALL MOUNTED ITEMS. PATCH HOLES AS NEEDED.
158	REMOVE PORTION OF EXISTING WALL AND PREP FOR NEW OPENING AS SCHEDULED

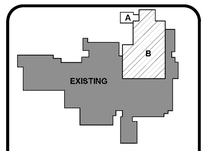
06 1ST LEVEL - DEMO FLOOR PLAN - AREA B
1/8" = 1'-0"

PBK
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DALLAS
14001 Dallas Parkway, Suite 400
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972-233-1373 F
TX Firm: BR 1608

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MEP
TEAM 1088
214.217.8566
TECHNOLOGY
LEVY ROGERS
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ACOUSTIC
TBD
214.954.3700
BUILDING ENVELOPE
TBD
972.233.1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS
ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232
ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN NORTH: PLAN TRUE

ARCHITECT

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

1ST FLOOR DEMOLITION PLAN - AREA B

AD101B

1ST FLOOR DEMOLITION PLAN - AREA B
AD101B
FOR BLUEBEAM LABELING/OCR:

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add\David W. Carter High School Interior Renovations and Additions.rvt

CHECKED BY: Checker
DRAWN BY: Author
Plot Stamp: 10/28/2025 9:26:01 AM

1ST FLOOR DEMOLITION CEILING PLAN - COMPOSITE

AD201

FOR BLUEBEAM LABELING/OCR:

0"

1"

GENERAL ARCH DEMOLITION NOTES

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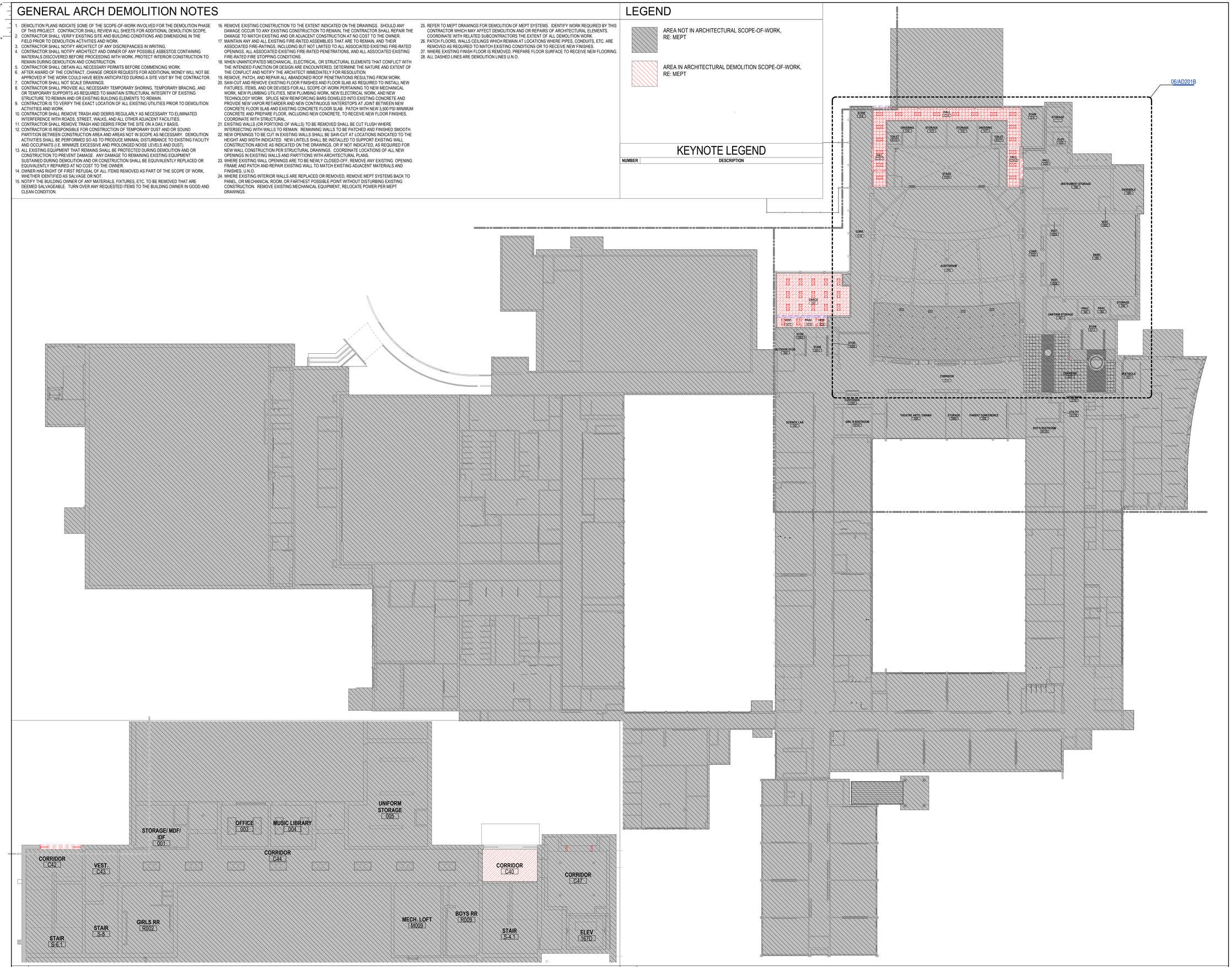
LEGEND

AREA NOT IN ARCHITECTURAL SCOPE-OF-WORK, RE: MEPT

AREA IN ARCHITECTURAL DEMOLITION SCOPE-OF-WORK, RE: MEPT

KEYNOTE LEGEND

NUMBER	DESCRIPTION



06 LEVEL 1 CRAWL SPACE
1/8" = 1'-0"

03 1ST LEVEL - DEMO CEILING PLAN - COMPOSITE
3/64" = 1'-0"

PBK

ARCHITECT PBK Architects, Inc.
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14001 Dallas Parkway, Suite 400
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972-233-1323 P
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MEP
MEI CORR
T 214-217-9580

TECHNOLOGY
LEAF ENGINEERS
T 972-233-1323

ACOUSTIC
Acoustic Dimensions
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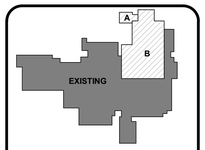
BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
REGISTERED ARCHITECT
DANIEL S BERGER
83779
STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

1ST FLOOR DEMOLITION CEILING PLAN - COMPOSITE

AD201

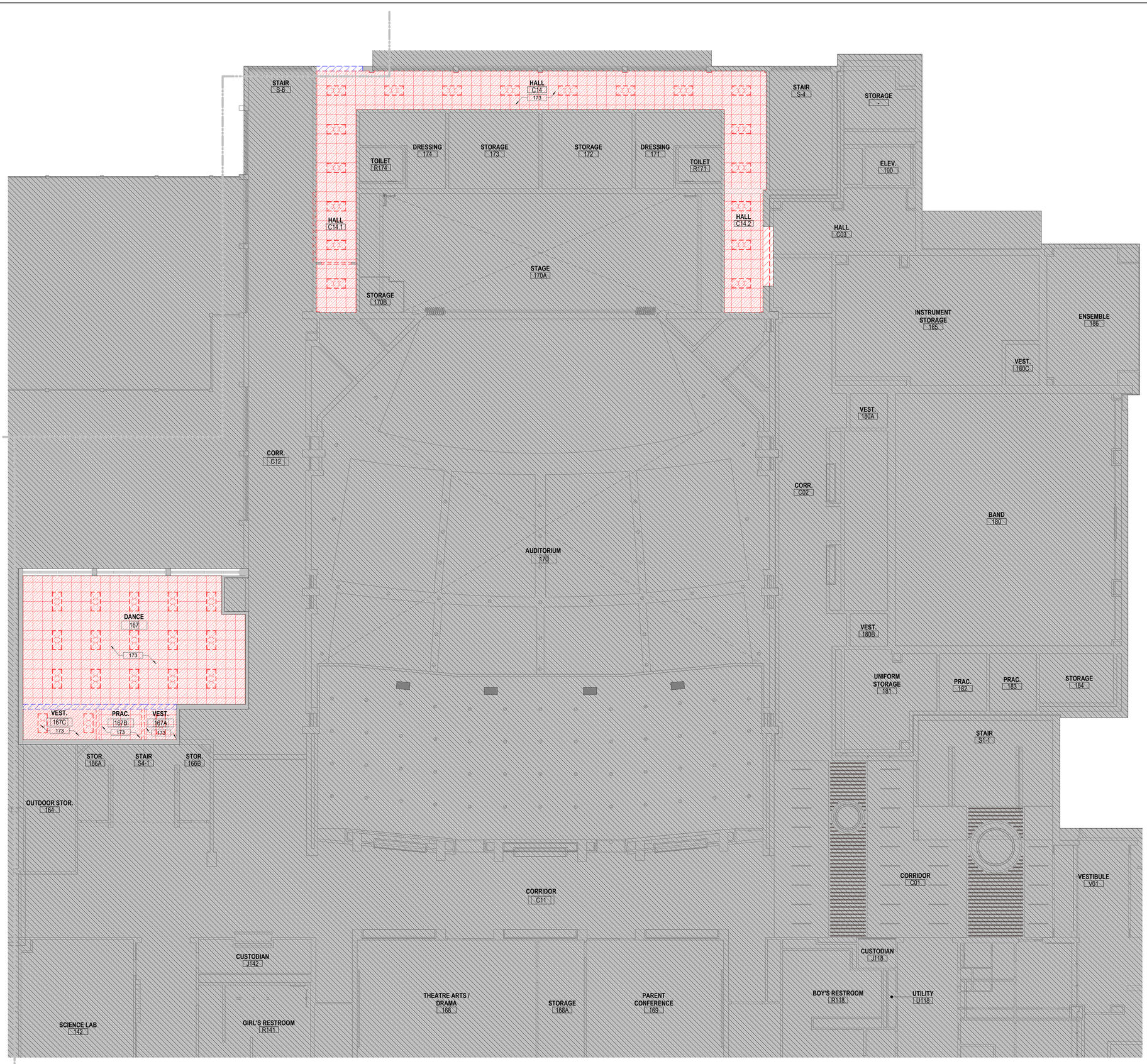
File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David W. Carter High School Interior Renovations and Additions.rvt

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Author
Plot Stamp:
10/28/2025 9:26:09 AM

1ST FLOOR DEMOLITION CEILING PLAN - AREA B

AD201B

FOR BLUEBEAM LABELING/OCR:



06 1ST LEVEL - DEMO CEILING PLAN - AREA B
1/8" = 1'-0"

GENERAL ARCH DEMOLITION NOTES

1. DEMOLITION PLANS INDICATE SOME OF THE SCOPE-OF-WORK INVOLVED FOR THE DEMOLITION PHASE OF THIS PROJECT. CONTRACTOR SHALL REVIEW ALL SHEETS FOR ADDITIONAL DEMOLITION SCOPE.
2. CONTRACTOR SHALL VERIFY EXISTING SITE AND BUILDING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO DEMOLITION ACTIVITIES AND WORK.
3. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES IN WRITING.
4. CONTRACTOR SHALL NOTIFY ARCHITECT AND OWNER OF ANY POSSIBLE ASBESTOS CONTAINING MATERIALS DISCOVERED BEFORE PROCEEDING WITH WORK, PROTECT INTERIOR CONSTRUCTION TO REMAIN DURING DEMOLITION AND CONSTRUCTION.
5. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS BEFORE COMMENCING WORK.
6. AFTER AWARD OF THE CONTRACT, CHANGE ORDER REQUESTS FOR ADDITIONAL MONEY WILL NOT BE APPROVED IF THE WORK COULD HAVE BEEN ANTICIPATED DURING A SITE VISIT BY THE CONTRACTOR.
7. CONTRACTOR SHALL NOT SCALE DRAWINGS.
8. CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY SHORING, TEMPORARY BRACING, AND OR TEMPORARY SUPPORTS AS REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY OF EXISTING STRUCTURE TO REMAIN AND OR EXISTING BUILDING ELEMENTS TO REMAIN.
9. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO DEMOLITION ACTIVITIES AND WORK.
10. CONTRACTOR SHALL REMOVE TRASH AND DEBRIS REGULARLY AS NECESSARY TO ELIMINATED INTERFERENCE WITH ROADS, STREET, WALKS, AND ALL OTHER ADJACENT FACILITIES.
11. CONTRACTOR SHALL REMOVE TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
12. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF TEMPORARY DUST AND OR SOUND PARTITION BETWEEN CONSTRUCTION AREA AND AREAS NOT IN SCOPE AS NECESSARY. DEMOLITION ACTIVITIES SHALL BE PERFORMED SO AS TO PRODUCE MINIMAL DISTURBANCE TO EXISTING FACILITY AND OCCUPANTS (I.E. MINIMIZE EXCESSIVE AND PROLONGED NOISE LEVELS AND DUST).
13. ALL EXISTING EQUIPMENT THAT REMAINS SHALL BE PROTECTED DURING DEMOLITION AND OR CONSTRUCTION TO PREVENT DAMAGE. ANY DAMAGE TO REMAINING EXISTING EQUIPMENT SUSTAINED DURING DEMOLITION AND OR CONSTRUCTION SHALL BE EQUIVALENTLY REPLACED OR EQUIVALENTLY REPAIRED AT NO COST TO THE OWNER.
14. OWNER HAS RIGHT OF FIRST REFUSAL OF ALL ITEMS REMOVED AS PART OF THE SCOPE OF WORK, WHETHER IDENTIFIED AS SALVAGE OR NOT.
15. NOTIFY THE BUILDING OWNER OF ANY MATERIALS, FIXTURES, ETC. TO BE REMOVED THAT ARE DEEMED SALVAGEABLE. TURN OVER ANY REQUESTED ITEMS TO THE BUILDING OWNER IN GOOD AND CLEAN CONDITION.
16. ALL FURNITURE WILL BE REMOVED OR RELOCATED BY THE OWNER AS NECESSARY PRIOR TO THE COMMENCEMENT OF DEMOLITION WORK OF THIS PROJECT. CONTRACTOR SHALL COORDINATE WITH OWNER AS REQUIRED.
17. REMOVE EXISTING CONSTRUCTION TO THE EXTENT INDICATED ON THE DRAWINGS. SHOULD ANY DAMAGE OCCUR TO ANY EXISTING CONSTRUCTION TO REMAIN, THE CONTRACTOR SHALL REPAIR THE DAMAGE TO MATCH EXISTING AND OR ADJACENT CONSTRUCTION AT NO COST TO THE OWNER.
18. MAINTAIN ANY AND ALL EXISTING FIRE-RATED ASSEMBLIES THAT ARE TO REMAIN, AND THEIR ASSOCIATED FIRE-RATINGS, INCLUDING BUT NOT LIMITED TO ALL ASSOCIATED EXISTING FIRE-RATED OPENINGS, ALL ASSOCIATED EXISTING FIRE-RATED PENETRATIONS, AND ALL ASSOCIATED EXISTING FIRE-RATED FIRE STOPPING CONDITIONS.
19. WHEN UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONFLICT WITH THE INTENDED FUNCTION OR DESIGN ARE ENCOUNTERED, DETERMINE THE NATURE AND EXTENT OF THE CONFLICT AND NOTIFY THE ARCHITECT IMMEDIATELY FOR RESOLUTION.
20. REMOVE, PATCH, AND REPAIR ALL ABANDONED ROOF PENETRATIONS RESULTING FROM WORK.
21. SAW-CUT AND REMOVE EXISTING FLOOR FINISHES AND FLOOR SLAB AS REQUIRED TO INSTALL NEW FIXTURES, ITEMS, AND OR DEVISES FOR ALL SCOPE-OF-WORK PERTAINING TO NEW MECHANICAL WORK, NEW PLUMBING UTILITIES, NEW PLUMBING WORK, NEW ELECTRICAL WORK, AND NEW TECHNOLOGY WORK. SPLICE NEW REINFORCING BARS DOWELED INTO EXISTING CONCRETE AND PROVIDE NEW VAPOR RETARDER AND NEW CONTINUOUS WATERSTOPS AT JOINT BETWEEN NEW CONCRETE FLOOR SLAB AND EXISTING CONCRETE FLOOR SLAB. PATCH WITH NEW 3,500 PSI MINIMUM CONCRETE AND PREPARE FLOOR, INCLUDING NEW CONCRETE, TO RECEIVE NEW FLOOR FINISHES. COORDINATE WITH STRUCTURAL.
22. EXISTING WALLS (OR PORTIONS OF WALLS) TO BE REMOVED SHALL BE CUT FLUSH WHERE INTERSECTING WITH WALLS TO REMAIN. REMAINING WALLS TO BE PATCHED AND FINISHED SMOOTH.
23. NEW OPENINGS TO BE CUT IN EXISTING WALLS SHALL BE SAW-CUT AT LOCATIONS INDICATED TO THE HEIGHT AND WIDTH INDICATED. NEW LINTELS SHALL BE INSTALLED TO SUPPORT EXISTING WALL CONSTRUCTION ABOVE AS INDICATED ON THE DRAWINGS, OR IF NOT INDICATED, AS REQUIRED FOR NEW WALL CONSTRUCTION PER STRUCTURAL DRAWINGS. COORDINATE LOCATIONS OF ALL NEW OPENINGS IN EXISTING WALLS AND PARTITIONS WITH ARCHITECTURAL PLANS.
24. WHERE EXISTING WALL OPENINGS ARE TO BE NEWLY CLOSED-OFF, REMOVE ANY EXISTING OPENING FRAME AND PATCH AND REPAIR EXISTING WALL TO MATCH EXISTING ADJACENT MATERIALS AND FINISHES, U.N.O.
25. WHERE EXISTING INTERIOR WALLS ARE REPLACED OR REMOVED, REMOVE MEPT SYSTEMS BACK TO PANEL, OR MECHANICAL ROOM, OR FARTHEST POSSIBLE POINT WITHOUT DISTURBING EXISTING CONSTRUCTION. REMOVE EXISTING MECHANICAL EQUIPMENT, RELOCATE POWER PER MEPT DRAWINGS.
26. REFER TO MEPT DRAWINGS FOR DEMOLITION OF MEPT SYSTEMS. IDENTIFY WORK REQUIRED BY THIS CONTRACTOR WHICH MAY AFFECT DEMOLITION AND OR REPAIRS OF ARCHITECTURAL ELEMENTS. COORDINATE WITH RELATED SUBCONTRACTORS THE EXTENT OF ALL DEMOLITION WORK.
27. PATCH FLOORS, WALLS CEILINGS WHICH REMAIN AT LOCATIONS WHERE PIPES, CONDUITS, ETC. ARE REMOVED AS REQUIRED TO MATCH EXISTING CONDITIONS OR TO RECEIVE NEW FINISHES.
28. WHERE EXISTING FINISH FLOOR IS REMOVED, PREPARE FLOOR SURFACE TO RECEIVE NEW FLOORING.
29. ALL DASHED LINES ARE DEMOLITION LINES U.N.O.

DEMOLITION CEILING PLAN LEGEND

- AREA NOT IN ARCHITECTURAL SCOPE-OF-WORK, RE: MEPT
- DEMO CEILING & LIGHT FIXTURES, RE: MEPT FOR ADDITIONAL NOTES
- DEMO WALL
- DEMO GLAZING
- DEMO MASONRY WALL

KEYNOTE LEGEND

NUMBER	DESCRIPTION
173	G.C. TO REORGANIZE ALL EXISTING WIRING ABOVE CEILING IN A NEAT MANNER. RELOCATE AND REORIENT EXISTING SPRINKLER HEADS AS REQUIRED.

PBK

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Pinnacle
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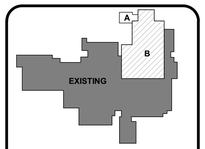
DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG.023
1919 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT

KEY PLAN
NORTH: PLAN TRUE



ARCHITECT



CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

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BUILDING NUMBER

1ST FLOOR DEMOLITION CEILING PLAN - AREA B

AD201B

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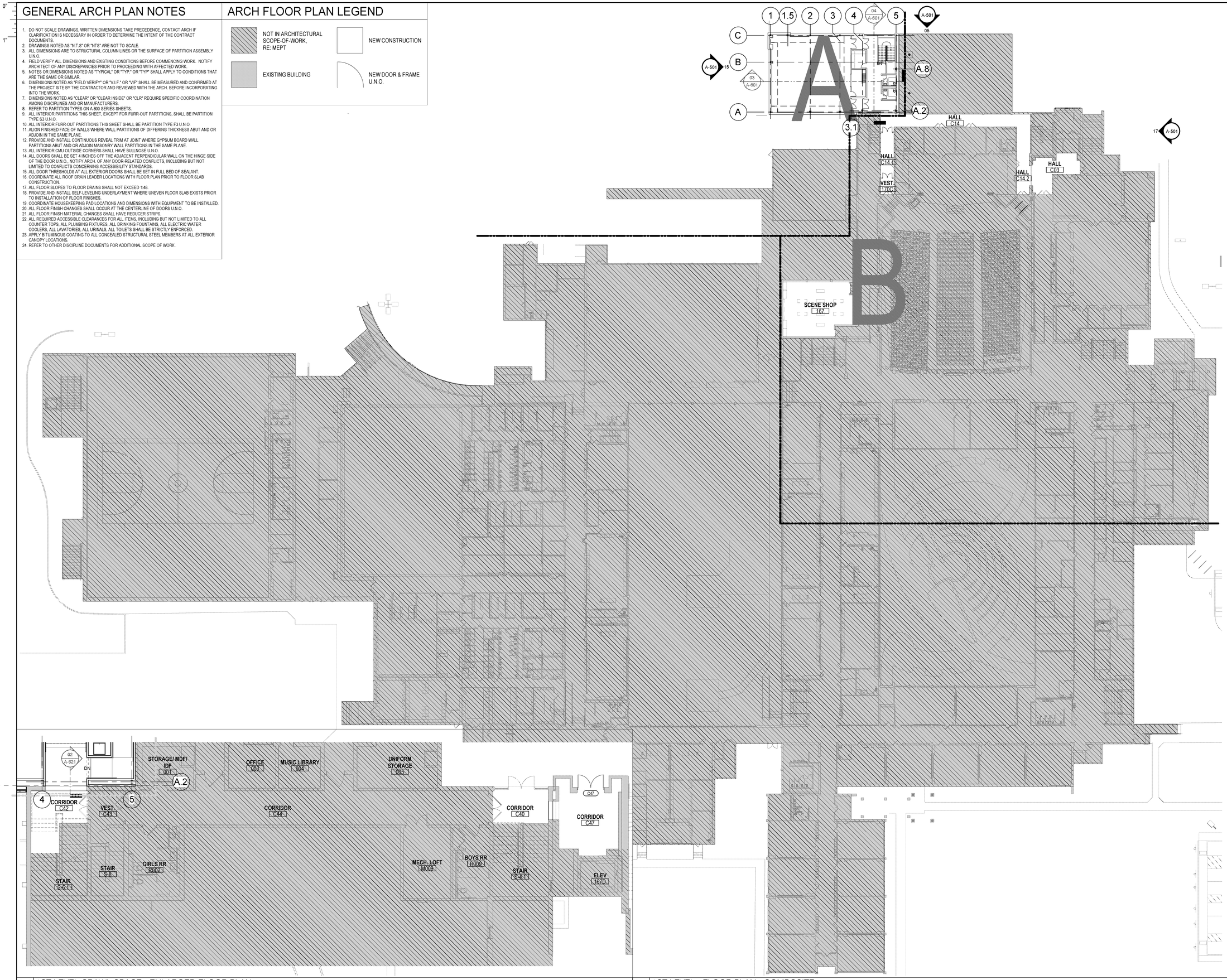
0"
1"

GENERAL ARCH PLAN NOTES

1. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS TAKE PRECEDENCE, CONTACT ARCH IF CLARIFICATION IS NECESSARY IN ORDER TO DETERMINE THE INTENT OF THE CONTRACT DOCUMENTS.
2. DRAWINGS NOTED AS "N.T.S" OR "NTS" ARE NOT TO SCALE.
3. ALL DIMENSIONS ARE TO STRUCTURAL COLUMN LINES OR THE SURFACE OF PARTITION ASSEMBLY U.N.O.
4. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE COMMENCING WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH AFFECTED WORK.
5. NOTES OR DIMENSIONS NOTED AS "(TYPICAL" OR "TYP." OR "(TYP" SHALL APPLY TO CONDITIONS THAT ARE THE SAME OR SIMILAR.
6. DIMENSIONS NOTED AS "FIELD VERIFY" OR "V.I.F." OR "VIF" SHALL BE MEASURED AND CONFIRMED AT THE PROJECT SITE BY THE CONTRACTOR AND REVIEWED WITH THE ARCH. BEFORE INCORPORATING INTO THE WORK.
7. DIMENSIONS NOTED AS "CLEAR" OR "CLEAR INSIDE" OR "CLR" REQUIRE SPECIFIC COORDINATION AMONG DISCIPLINES AND OR MANUFACTURERS.
8. REFER TO PARTITION TYPES ON A-800 SERIES SHEETS.
9. ALL INTERIOR PARTITIONS THIS SHEET, EXCEPT FOR FURR-OUT PARTITIONS, SHALL BE PARTITION TYPE S3 U.N.O.
10. ALL INTERIOR FURR-OUT PARTITIONS THIS SHEET SHALL BE PARTITION TYPE F3 U.N.O.
11. ALIGN FINISHED FACE OF WALLS WHERE WALL PARTITIONS OF DIFFERING THICKNESS ABUT AND OR ADJOIN IN THE SAME PLANE.
12. PROVIDE AND INSTALL CONTINUOUS REVEAL TRIM AT JOINT WHERE GYPSUM BOARD WALL PARTITIONS ABUT AND OR ADJOIN MASONRY WALL PARTITIONS IN THE SAME PLANE.
13. ALL INTERIOR CMU OUTSIDE CORNERS SHALL HAVE BULLNOSE U.N.O.
14. ALL DOORS SHALL BE SET 4 INCHES OFF THE ADJACENT PERPENDICULAR WALL ON THE HINGE SIDE OF THE DOOR U.N.O., NOTIFY ARCH. OF ANY DOOR-RELATED CONFLICTS, INCLUDING BUT NOT LIMITED TO CONFLICTS CONCERNING ACCESSIBILITY STANDARDS.
15. ALL DOOR THRESHOLDS AT ALL EXTERIOR DOORS SHALL BE SET IN FULL BED OF SEALANT.
16. COORDINATE ALL ROOF DRAIN LEADER LOCATIONS WITH FLOOR PLAN PRIOR TO FLOOR SLAB CONSTRUCTION.
17. ALL FLOOR SLOPES TO FLOOR DRAINS SHALL NOT EXCEED 1:48.
18. PROVIDE AND INSTALL SELF-LEVELING UNDERLAYMENT WHERE UNEVEN FLOOR SLAB EXISTS PRIOR TO INSTALLATION OF FLOOR FINISHES.
19. COORDINATE HOUSEKEEPING PAD LOCATIONS AND DIMENSIONS WITH EQUIPMENT TO BE INSTALLED.
20. ALL FLOOR FINISH CHANGES SHALL OCCUR AT THE CENTERLINE OF DOORS U.N.O.
21. ALL FLOOR FINISH MATERIAL CHANGES SHALL HAVE REDUCER STRIPS.
22. ALL REQUIRED ACCESSIBLE CLEARANCES FOR ALL ITEMS, INCLUDING BUT NOT LIMITED TO ALL COUNTER TOPS, ALL PLUMBING FIXTURES, ALL DRINKING FOUNTAINS, ALL ELECTRIC WATER COOLERS, ALL LAVATORIES, ALL URINALS, ALL TOILETS SHALL BE STRICTLY ENFORCED.
23. APPLY BITUMINOUS COATING TO ALL CONCEALED STRUCTURAL STEEL MEMBERS AT ALL EXTERIOR CANOPY LOCATIONS.
24. REFER TO OTHER DISCIPLINE DOCUMENTS FOR ADDITIONAL SCOPE OF WORK.

ARCH FLOOR PLAN LEGEND

- NOT IN ARCHITECTURAL SCOPE-OF-WORK, RE: MEPT
- NEW CONSTRUCTION
- EXISTING BUILDING
- NEW DOOR & FRAME U.N.O.



06 1ST LEVEL CRAWL SPACE - ENLARGED FLOOR PLAN
1/8" = 1'-0"

03 1ST LEVEL - FLOOR PLAN - COMPOSITE
3/64" = 1'-0"

1ST FLOOR PLAN - COMPOSITE
A-101
FOR BLUEBEAM LABELING/OCR:

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add\David W. Carter High School Interior Renovations and Additions.rvt

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Plot Stamp:
10/28/2025 9:26:43 AM

PBK

ARCHITECT
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TECHNOLOGY / LIFT PIONEERS
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ACOUSTIC
Pinnacle
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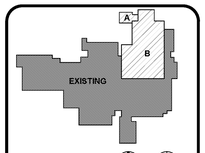
BUILDING ENVELOPE
Walter P Moore
972-235-7974

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT

CLIENT
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1ST FLOOR PLAN - COMPOSITE

A-101

BLACK BOX LEVEL 1 FLOOR PLAN AND SCHEDULES

A-101A1

FOR BLUEBEAM LABELING/OCR:

0"

1"

DOOR SCHEDULE REMARKS

1. ELEC. DOOR OPENER W/ HC BUTTON ON INSIDE AND OUTSIDE OF DOOR
2. ELEC. CONTROLLED ACCESS HARDWARE WITH CARD READER
3. ELEC. CONTROLLED ACCESS HARDWARE WITH PUSH-BUTTON
4. ELEC. CONTROLLED ACCESS HARDWARE, ROUGH-IN ONLY
5. DOOR BUZZER
6. DOOR CHIME ON OPEN
7. MAGNETIC HOLD-OPEN, CONNECT TO FIRE ALARM
8. MAGNETIC HOLD-OPEN, CONNECT TO SECURITY SYSTEM
9. SOUND DOOR
10. PANIC HARDWARE TO BE PROVIDED

FINISH SCHED. NOTES & REMARKS

GENERAL NOTES:

ALL SCHEDULED DIRECTIONS (NORTH, EAST, SOUTH, WEST) ARE PER PLAN DIRECTIONS, NOT TRUE COMPASS DIRECTIONS.

ALL FINISH MATERIALS SHALL MEET FLAME SPREAD RATINGS PER THE BUILDING CODE.

PROTECT ALL FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.

CARPET PATTERNS SHALL RUN PARALLEL TO CORRIDOR U.N.O.

PROVIDE AND INSTALL BULLNOSE TRIM AT ALL TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIALS U.N.O.

PAINT ALL H.M. DOORS PT-4 U.N.O.

REMARKS:

1. PAINT ALL H.M. DOOR FRAMES PT-4 U.N.O.
2. 3/4" TREATED PLYWOOD WAINSCOT FULL HEIGHT ALL AROUND, PAINT
3. TILE WAINSCOT TO MATCH EXISTING CORRIDORS RE: INTERIOR ELEVATION 24 / A-521

WINDOW SCHEDULE REMARKS

1. PROVIDE HORIZONTAL BLINDS
2. ACOUSTICAL WINDOW

STOREFRONT & CURTAIN WALL SCHEDULE - LEVEL 1 BLACK BOX

NUMBER	FRAME SIZE W x H		ELEVATION	FRAME		DETAILS			REMARKS
	WIDTH	HEIGHT		FRAME MATERIAL	FRAME DEPTH	HEAD	JAMB	SILL	
A100.1	8'-9"	7'-6"	A	AL	6"	19/A-831	13/A-831	01/A-831	
A100.2	19'-0"	12'-0"	B	AL	6"	19/A-831	13/A-831	01/A-831	

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23. APPLY BITUMINOUS COATING TO ALL CONCEALED STRUCTURAL STEEL MEMBERS AT ALL EXTERIOR CANOPY LOCATIONS.
24. REFER TO OTHER DISCIPLINE DOCUMENTS FOR ADDITIONAL SCOPE OF WORK.

DOOR SCHEDULE - LEVEL 1 - BLACK BOX

NUMBER	DOOR WIDTH	DOOR HEIGHT	PANEL TYPE	PANEL THK	PANEL MATL	PANEL FINISH	FRAME TYPE	FRAME MATL	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	FIRE RATING	STC	HARDWARE SET	REMARKS
A100	6'-0"	7'-0"	HG-2	1 3/4"	AL	AL	NONE	AL	AL	14/A-812	08/A-812	02/A-812			C714AM	2, 10
A101	3'-0"	7'-0"	F	1 3/4"	WD	WD-01	001	HM	PT-4	15/A-812	09/A-812	03/A-812			201	
A102.1	6'-0"	7'-0"	F	1 3/4"	WD	WD-01	001	HM	PT-4	15/A-812	09/A-812	03/A-812			750M	10
A102.2	3'-0"	7'-0"	F	1 3/4"	HM	PT-4	001	HM	PT-4	13/A-812	07/A-812	01/A-812			D725	10
A102A	3'-0"	7'-0"	F	1 3/4"	WD	WD-01	001	HM	PT-4	15/A-812	09/A-812	03/A-812			801L	
A102B	3'-0"	7'-0"	F	1 3/4"	WD	WD-01	011	HM	PT-4	15/A-812	09/A-812	03/A-812			103	
A102C	3'-0"	7'-0"	F	1 3/4"	WD	WD-01	001	HM	PT-4	15/A-812	09/A-812	03/A-812			203	
A102D	3'-0"	7'-0"	F	1 3/4"	WD	WD-01	001	HM	PT-4	15/A-812	09/A-812	03/A-812			801L	
S01-1A	3'-0"	7'-0"	F	1 3/4"	WD	WD-01	001	HM	PT-4	15/A-812	09/A-812	03/A-812			201	

WALL FINISH SCHEDULE - LEVEL 1 BLACK BOX

NUMBER	ROOM DATA NAME	BASE FINISH	WALL FINISHES NORTH	EAST	SOUTH	WEST	REMARKS
A100	MAIN ENTRY	PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	3
A100A	VEST.	PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	3
A100B	RAMP	PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	3
A101	STOR.	RB-1	PT-2	PT-2	PT-2	PT-2	
A102	DANCE	RB-1	PT-2	PT-2	PT-2	PT-2	
A102A	GIRL'S DRESSING ROOM	RB-1	PT-2, PT-4	PT-2	PT-2	PT-2	
A102B	OFFICE	RB-1	PT-2	PT-3	PT-2	PT-2	
A102C	STORAGE	RB-1	PT-2	PT-2	PT-2	PT-2	
A102D	BOY'S DRESSING ROOM	RB-1	PT-2, PT-4	PT-2	PT-2	PT-2	
S01-1	STAIRS	PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	3
S-01-1A	STOR.	RB-1	PT-2	PT-2	PT-2	PT-2	

ARCH FLOOR PLAN LEGEND

- NOT IN ARCHITECTURAL SCOPE-OF-WORK, RE: MEPT
- NEW CONSTRUCTION
- EXISTING BUILDING
- NEW DOOR & FRAME U.N.O.

06 BLACK BOX LEVEL 1 FLOOR PLAN - AREA A
1/4" = 1'-0"

KEYNOTE LEGEND

NUMBER	DESCRIPTION
504	METAL PAN STAIRWAY, CONCRETE FILLED, RE: STRUCTURAL
510	WALL MOUNTED HANDRAIL
512	FLOOR MOUNTED STAINLESS STEEL GUARDRAIL WITH HANDRAIL
515	WALL MOUNTED STAINLESS STEEL LADDER
801	NEW CRAWLSPACE HATCH ACCESS 2'-10" X 2'-10", CONNECT TO EXISTING HATCH LOCATION
1201	6' MARKERBOARD
1205	LOCKER ROOM BENCH
1206	TWO-TIER LOCKER
1207	ADA LOCKER
1208	MIRROR (INDIVIDUAL)
1209	PORTABLE BALLET BARRES, O.F.O.I.
1210	DIGITAL DISPLAY, O.F.C.I.
1212	4' TACKBOARD
1213	TROPHY SHELVES (ABOVE MIRROR)
1214	6'H FULL WALL MIRRORS
1218	LOCKER ROOM ADA BENCH
1220	HEAVY DUTY METAL SHELVING, O.F.O.I.
1229	4' MARKERBOARD

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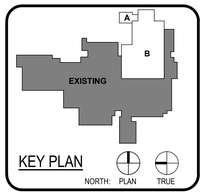
BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
REGISTERED ARCHITECT
JAMES S BERGER
83370
STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

BLACK BOX LEVEL 1 FLOOR PLAN AND SCHEDULES

A-101A1

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BLACK BOX LEVEL 2 FLOOR PLAN AND SCHEDULES

A-101A2

FOR BLUEBEAM LABELING OOR:

0"

1"

DOOR SCHEDULE REMARKS

1. ELEC. DOOR OPENER W/ HC BUTTON ON INSIDE AND OUTSIDE OF DOOR
2. ELEC. CONTROLLED ACCESS HARDWARE WITH CARD READER
3. ELEC. CONTROLLED ACCESS HARDWARE WITH PUSH-BUTTON
4. ELEC. CONTROLLED ACCESS HARDWARE, ROUGH-IN ONLY
5. DOOR BUZZER
6. DOOR CHIME ON OPEN
7. MAGNETIC HOLD-OPEN, CONNECT TO FIRE ALARM
8. MAGNETIC HOLD-OPEN, CONNECT TO SECURITY SYSTEM
9. SOUND DOOR
10. PANIC HARDWARE TO BE PROVIDED

WINDOW SCHEDULE REMARKS

1. PROVIDE HORIZONTAL BLINDS
2. ACOUSTICAL WINDOW

FINISH SCHED. NOTES & REMARKS

GENERAL NOTES:

ALL SCHEDULED DIRECTIONS (NORTH, EAST, SOUTH, WEST) ARE PER PLAN DIRECTIONS, NOT TRUE COMPASS DIRECTIONS.

ALL FINISH MATERIALS SHALL MEET FLAME SPREAD RATINGS PER THE BUILDING CODE.

PROTECT ALL FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.

CARPET PATTERNS SHALL RUN PARALLEL TO CORRIDOR U.N.O.

PROVIDE AND INSTALL BULLNOSE TRIM AT ALL TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIALS U.N.O.

PAINT ALL H.M. DOORS PT-4 U.N.O.

REMARKS:

1. PAINT ALL H.M. DOOR FRAMES PT-4, U.N.O.
2. 3/4" TREATED PLYWOOD WAINSCOT FULL HEIGHT ALL AROUND, PAINT
3. TILE WAINSCOT TO MATCH EXISTING CORRIDORS RE: INTERIOR ELEVATION 24 / A-521

WINDOW SCHEDULE - LEVEL 2 BLACK BOX

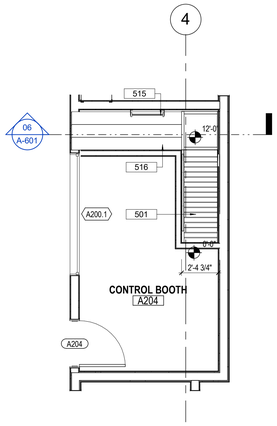
NUMBER	SIZE WIDTH	SIZE HEIGHT	SILL HEIGHT	ELEVATION	MATERIAL	FINISH	FIRE RATING	STC	GLAZING TYPE	DETAILS JAMB	DETAILS HEAD	DETAILS SILL	REMARKS
A200.1	8'-0"	4'-0"	3'-0"	C	HM	PT-5		50	GL6	09/A-831	03/A-831	03/A-831	2

DOOR SCHEDULE - LEVEL 2 BLACK BOX

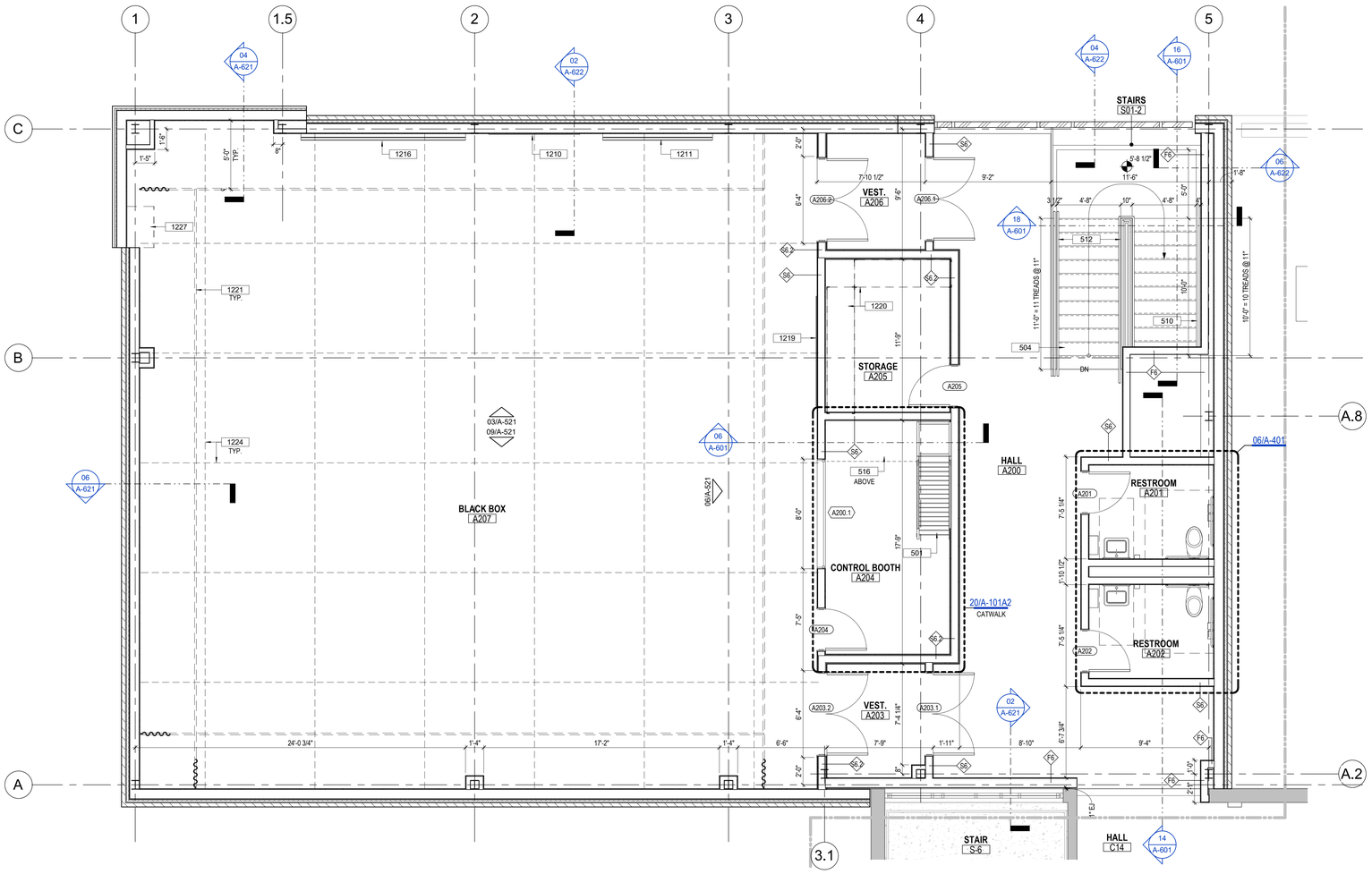
DOOR NUMBER	DOOR WIDTH	DOOR HEIGHT	PANEL TYPE	PANEL THK	PANEL MATL	PANEL FINISH	FRAME TYPE	FRAME MATL	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	FIRE RATING	STC	HARDWARE SET	REMARKS
A201	3'-0"	7'-0"	F	1 3/4"	WD	WD-01	001	HM	PT-4	15/A-812	09/A-812	03/A-812			341	
A202	3'-0"	7'-0"	F	1 3/4"	WD	WD-01	001	HM	PT-4	15/A-812	09/A-812	03/A-812			341	
A203.1	6'-0"	7'-0"	F	1 3/4"	WD	WD-01	001	HM	PT-4	15/A-812	09/A-812	03/A-812		0	750M	
A203.2	6'-0"	7'-0"	F	1 3/4"	WD	WD-01	001	HM	PT-4	16/A-812	11/A-812	04/A-812		50	S800	9
A204	3'-0"	7'-0"	F	1 3/4"	WD	WD-01	001	HM	PT-4	16/A-812	11/A-812	04/A-812		50	S203	9
A205	3'-0"	7'-0"	F	1 3/4"	WD	WD-01	001	HM	PT-4	16/A-812	11/A-812	04/A-812		0	S201	
A206.1	6'-0"	7'-0"	F	1 3/4"	WD	WD-01	001	HM	PT-4	15/A-812	09/A-812	03/A-812		0	750M	
A206.2	6'-0"	7'-0"	F	1 3/4"	WD	WD-01	001	HM	PT-4	16/A-812	11/A-812	04/A-812		50	S800	9

WALL FINISH SCHEDULE - LEVEL 2 BLACK BOX

ROOM DATA NUMBER	ROOM DATA NAME	BASE FINISH	WALL FINISHES NORTH	WALL FINISHES EAST	WALL FINISHES SOUTH	WALL FINISHES WEST	REMARKS
A200	HALL	PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	3
A201	RESTROOM	CCB-1, CCB-2	CWT-01	CWT-01	CWT-02	CWT-01	
A202	RESTROOM	CCB-1, CCB-2	CWT-02	CWT-01	CWT-01	CWT-01	
A203	VEST.	RB-1	PT-2	PT-2	PT-2	PT-2	
A204	CONTROL BOOTH	RB-1	PT-5	PT-5	PT-5	PT-5	
A205	STORAGE	RB-1	PT-2	PT-2	PT-2	PT-2	
A206	VEST.	RB-1	PT-2	PT-2	PT-2	PT-2	
A207	BLACK BOX	RB-2	PT-5	PT-5	PT-5	PT-5	
S01-2	STAIRS	PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	



20 BLACK BOX CATWALK - ENLARGED PLAN
1/4" = 1'-0"



06 BLACK BOX LEVEL 2 FLOOR PLAN - AREA A
1/4" = 1'-0"

GENERAL ARCH PLAN NOTES

1. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS TAKE PRECEDENCE, CONTACT ARCH IF CLARIFICATION IS NECESSARY IN ORDER TO DETERMINE THE INTENT OF THE CONTRACT DOCUMENTS.
2. DRAWINGS NOTED AS "N.T.S" OR "NTS" ARE NOT TO SCALE.
3. ALL DIMENSIONS ARE TO STRUCTURAL COLUMN LINES OR THE SURFACE OF PARTITION ASSEMBLY U.N.O.
4. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE COMMENCING WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH AFFECTED WORK.
5. NOTES OR DIMENSIONS NOTED AS "TYPICAL" OR "TYP." OR "TYP" SHALL APPLY TO CONDITIONS THAT ARE THE SAME OR SIMILAR.
6. DIMENSIONS NOTED AS "FIELD VERIFY" OR "V.I.F." OR "VIF" SHALL BE MEASURED AND CONFIRMED AT THE PROJECT SITE BY THE CONTRACTOR AND REVIEWED WITH THE ARCH. BEFORE INCORPORATING INTO THE WORK.
7. DIMENSIONS NOTED AS "CLEAR" OR "CLEAR INSIDE" OR "CLR" REQUIRE SPECIFIC COORDINATION AMONG DISCIPLINES AND OR MANUFACTURERS.
8. REFER TO PARTITION TYPES ON A-800 SERIES SHEETS.
9. ALL INTERIOR PARTITIONS THIS SHEET, EXCEPT FOR FURR-OUT PARTITIONS, SHALL BE PARTITION TYPE S3 U.N.O.
10. ALL INTERIOR FURR-OUT PARTITIONS THIS SHEET SHALL BE PARTITION TYPE F3 U.N.O.
11. ALIGN FINISHED FACE OF WALLS WHERE WALL PARTITIONS OF DIFFERING THICKNESS ABUT AND OR ADJOIN IN THE SAME PLANE.
12. PROVIDE AND INSTALL CONTINUOUS REVEAL TRIM AT JOINT WHERE GYPSUM BOARD WALL PARTITIONS ABUT AND OR ADJOIN MASONRY WALL PARTITIONS IN THE SAME PLANE.
13. ALL INTERIOR CMU OUTSIDE CORNERS SHALL HAVE BULLNOSE U.N.O.
14. ALL DOORS SHALL BE SET 4 INCHES OFF THE ADJACENT PERPENDICULAR WALL ON THE HINGE SIDE OF THE DOOR U.N.O., NOTIFY ARCH. OF ANY DOOR-RELATED CONFLICTS, INCLUDING BUT NOT LIMITED TO CONFLICTS CONCERNING ACCESSIBILITY STANDARDS.
15. ALL DOOR THRESHOLDS AT ALL EXTERIOR DOORS SHALL BE SET IN FULL BED OF SEALANT.
16. COORDINATE ALL ROOF DRAIN LEADER LOCATIONS WITH FLOOR PLAN PRIOR TO FLOOR SLAB CONSTRUCTION.
17. ALL FLOOR SLOPES TO FLOOR DRAINS SHALL NOT EXCEED 1:48.
18. PROVIDE AND INSTALL SELF-LEVELING UNDERLAYMENT WHERE UNEVEN FLOOR SLAB EXISTS PRIOR TO INSTALLATION OF FLOOR FINISHES.
19. COORDINATE HOUSEKEEPING PAD LOCATIONS AND DIMENSIONS WITH EQUIPMENT TO BE INSTALLED.
20. ALL FLOOR FINISH CHANGES SHALL OCCUR AT THE CENTERLINE OF DOORS U.N.O.
21. ALL FLOOR FINISH MATERIAL CHANGES SHALL HAVE REDUCER STRIPS.
22. ALL REQUIRED ACCESSIBLE CLEARANCES FOR ALL ITEMS, INCLUDING BUT NOT LIMITED TO ALL COUNTER TOPS, ALL PLUMBING FIXTURES, ALL DRINKING FOUNTAINS, ALL ELECTRIC WATER COOLERS, ALL LAVATORIES, ALL URINALS, ALL TOILETS SHALL BE STRICTLY ENFORCED.
23. APPLY BITUMINOUS COATING TO ALL CONCEALED STRUCTURAL STEEL MEMBERS AT ALL EXTERIOR CANOPY LOCATIONS.
24. REFER TO OTHER DISCIPLINE DOCUMENTS FOR ADDITIONAL SCOPE OF WORK.

ARCH FLOOR PLAN LEGEND

- NOT IN ARCHITECTURAL SCOPE-OF-WORK, RE: MEPT
- NEW CONSTRUCTION
- EXISTING BUILDING
- NEW DOOR & FRAME U.N.O.

KEYNOTE LEGEND

NUMBER	DESCRIPTION
501	SHIPS LADDER WITH PLATFORM. REFERENCE DETAIL 22, 23 / A-419
504	METAL PAN STAIRWAY, CONCRETE FILLED, RE: STRUCTURAL
510	WALL MOUNTED HANDRAIL
512	FLOOR MOUNTED STAINLESS STEEL GUARDRAIL WITH HANDRAIL
515	WALL MOUNTED STAINLESS STEEL LADDER
516	METAL CATWALK
1210	DIGITAL DISPLAY, O.F.C.I.
1211	8' MARKERBOARD
1216	12' MARKERBOARD
1219	8' TACKBOARD
1220	HEAVY DUTY METAL SHELVING, O.F.O.I.
1221	STAGE CURTAINS WITH TRACK
1224	WIRE TENSION GRID
1227	TALL CABINET, 84" X 36"

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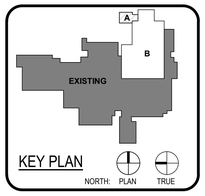
BUILDING ENVELOPE
BEAM
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DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
REGISTERED ARCHITECT
DANIEL S BERGER
29370
STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

BLACK BOX LEVEL 2 FLOOR PLAN AND SCHEDULES

A-101A2

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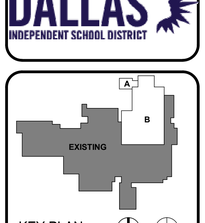
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ORG 023
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DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN

NORTH: PLAN TRUE

ARCHITECT



2025.08.25

CLIENT
DALLAS ISD

PROJECT NUMBER	DATE
230050	2024.08.25

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

1ST FLOOR SCHEDULES - AREA B

A-101B1

This document is for interim review only.

DOOR SCHEDULE REMARKS

1. ELEC. DOOR OPENER W/ HC BUTTON ON INSIDE AND OUTSIDE OF DOOR
2. ELEC. CONTROLLED ACCESS HARDWARE WITH CARD READER
3. ELEC. CONTROLLED ACCESS HARDWARE WITH PUSH-BUTTON
4. ELEC. CONTROLLED ACCESS HARDWARE, ROUGH-IN ONLY
5. DOOR BUZZER
6. DOOR CHIME ON OPEN
7. MAGNETIC HOLD-OPEN, CONNECT TO FIRE ALARM
8. MAGNETIC HOLD-OPEN, CONNECT TO SECURITY SYSTEM
9. SOUND DOOR
10. PANIC HARDWARE TO BE PROVIDED

FINISH SCHED. NOTES & REMARKS

GENERAL NOTES:

ALL SCHEDULED DIRECTIONS (NORTH, EAST, SOUTH, WEST) ARE PER PLAN DIRECTIONS, NOT TRUE COMPASS DIRECTIONS.

ALL FINISH MATERIALS SHALL MEET FLAME SPREAD RATINGS PER THE BUILDING CODE.

PROTECT ALL FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.

CARPET PATTERNS SHALL RUN PARALLEL TO CORRIDOR U.N.O.

PROVIDE AND INSTALL BULLNOSE TRIM AT ALL TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIALS U.N.O.

PAINT ALL H.M. DOORS PT-4 U.N.O.

REMARKS:

1. PAINT ALL H.M. DOOR FRAMES PT-4 U.N.O.
2. 3/4" TREATED PLYWOOD WAINSCOT FULL HEIGHT ALL AROUND, PAINT
3. TILE WAINSCOT TO MATCH EXISTING CORRIDORS RE: INTERIOR ELEVATION 24 / A-521

WINDOW SCHEDULE REMARKS

1. PROVIDE HORIZONTAL BLINDS
2. ACOUSTICAL WINDOW

DOOR SCHEDULE - 1ST FLOOR AREA B

DOOR			PANEL				FRAME								GENERAL	
										DETAIL			FIRE		HARDWARE	
NUMBER	WIDTH	HEIGHT	TYPE	THK	MATL	FINISH	TYPE	MATL	FINISH	HEAD	JAMB	SILL	RATING	STC	SET	REMARKS
170C	6'-0"	7'-0"	F	1 3/4"	HM	PL-1	001	HM	PT-4	15/A-812	09/A-812	03/A-812			730M	
C14.1	6'-0"	7'-0"	F	1 3/4"	HM	PL-1	001	HM	PT-4	15/A-812	09/A-812	03/A-812			750M	4
C47	6'-0"	7'-0"	HG-2	1 3/4"	AL	AL	002	AL	AL	26/A-812	20/A-812	02/A-812			FC714AM	2

WALL FINISH SCHEDULE - 1ST LEVEL - AREA B

ROOM DATA		BASE	WALL FINISHES				
NUMBER	NAME	FINISH	NORTH	EAST	SOUTH	WEST	REMARKS
167	SCENE SHOP	RB-1	PT-2	PT-3	PT-2	PT-2	
170	AUDITORIUM	RB-1	PL-3	PT-7, PT-8, PL-3, AWC-1	AWC-1	PT-7, PT-8, PL-3, AWC-1	RE: INTERIOR ELEVATIONS
170A	STAGE	RB-2	PT-5	PT-5	PT-5	PT-5	
C14	HALL	PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	RE: 24/A-521
C14.1	HALL	PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	RE: 24/A-521
C14.2	HALL	PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	PT-2, PWT-1, PWT-2, PWT-3	RE: 24/A-521

0" 1"

1ST FLOOR SCHEDULES - AREA B A-101B1

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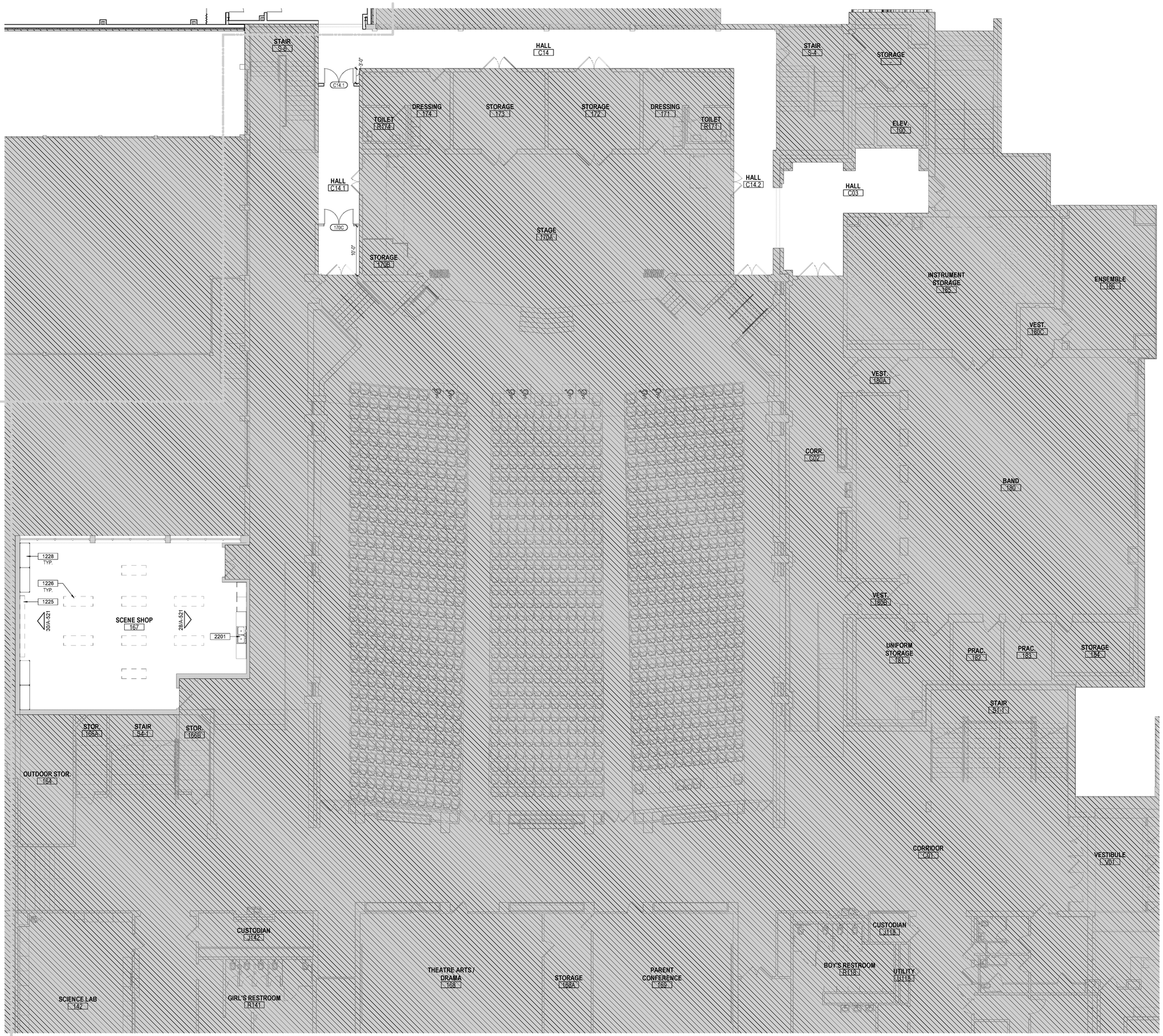
1ST FLOOR PLAN - AREA B

A-101B

FOR BLUEBEAM LABELING/OCR:

0"

1"



06 1ST LEVEL - FLOOR PLAN - AREA B

1/8" = 1'-0"

GENERAL ARCH PLAN NOTES

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4. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE COMMENCING WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH AFFECTED WORK.
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8. REFER TO PARTITION TYPES ON A-800 SERIES SHEETS.
9. ALL INTERIOR PARTITIONS THIS SHEET, EXCEPT FOR FURR-OUT PARTITIONS, SHALL BE PARTITION TYPE S3 U.N.O.
10. ALL INTERIOR FURR-OUT PARTITIONS THIS SHEET SHALL BE PARTITION TYPE F3 U.N.O.
11. ALIGN FINISHED FACE OF WALLS WHERE WALL PARTITIONS OF DIFFERING THICKNESS ABUT AND OR ADJOIN IN THE SAME PLANE.
12. PROVIDE AND INSTALL CONTINUOUS REVEAL TRIM AT JOINT WHERE GYPSUM BOARD WALL PARTITIONS ABUT AND OR ADJOIN MASONRY WALL PARTITIONS IN THE SAME PLANE.
13. ALL INTERIOR CMU OUTSIDE CORNERS SHALL HAVE BULLNOSE U.N.O.
14. ALL DOORS SHALL BE SET 4 INCHES OFF THE ADJACENT PERPENDICULAR WALL ON THE HINGE SIDE OF THE DOOR U.N.O., NOTIFY ARCH. OF ANY DOOR-RELATED CONFLICTS, INCLUDING BUT NOT LIMITED TO CONFLICTS CONCERNING ACCESSIBILITY STANDARDS.
15. ALL DOOR THRESHOLDS AT ALL EXTERIOR DOORS SHALL BE SET IN FULL BED OF SEALANT.
16. COORDINATE ALL ROOF DRAIN LEADER LOCATIONS WITH FLOOR PLAN PRIOR TO FLOOR SLAB CONSTRUCTION.
17. ALL FLOOR SLOPES TO FLOOR DRAINS SHALL NOT EXCEED 1:48.
18. PROVIDE AND INSTALL SELF-LEVELING UNDERLAYMENT WHERE UNEVEN FLOOR SLAB EXISTS PRIOR TO INSTALLATION OF FLOOR FINISHES.
19. COORDINATE HOUSEKEEPING PAD LOCATIONS AND DIMENSIONS WITH EQUIPMENT TO BE INSTALLED.
20. ALL FLOOR FINISH CHANGES SHALL OCCUR AT THE CENTERLINE OF DOORS U.N.O.
21. ALL FLOOR FINISH MATERIAL CHANGES SHALL HAVE REDUCER STRIPS.
22. ALL REQUIRED ACCESSIBLE CLEARANCES FOR ALL ITEMS, INCLUDING BUT NOT LIMITED TO ALL COUNTER TOPS, ALL PLUMBING FIXTURES, ALL DRINKING FOUNTAINS, ALL ELECTRIC WATER COOLERS, ALL LAVATORIES, ALL URINALS, ALL TOILETS SHALL BE STRICTLY ENFORCED.
23. APPLY BITUMINOUS COATING TO ALL CONCEALED STRUCTURAL STEEL MEMBERS AT ALL EXTERIOR CANOPY LOCATIONS.
24. REFER TO OTHER DISCIPLINE DOCUMENTS FOR ADDITIONAL SCOPE OF WORK.

ARCH FLOOR PLAN LEGEND

- NOT IN ARCHITECTURAL SCOPE-OF-WORK, RE: MEPT
- NEW CONSTRUCTION
- EXISTING BUILDING
- NEW DOOR & FRAME U.N.O.

KEYNOTE LEGEND

NUMBER	DESCRIPTION
1225	STORAGE RACK (WALL MOUNTED)
1226	WORK BENCHES, 72" X 36", O.F.O.I.
1228	SHELVING
2201	SINK, ACCESSIBLE, REFER TO PLUMBING

PBK

ARCHITECT PBK Architects, Inc.
PBK.com
DALLAS
14001 Dallas Parkway, Suite 400
Dallas, TX 75240
972-233-1323 P
972-233-1373 F
TX Firm: BR 1608

CIVIL
Simon Engineering & Consulting, Inc.
214-681-2931

STRUCTURAL
Charles Dicker and Associates, Inc.
214.360.1188

MEP
MEP/FP
214.217.8566

TECHNOLOGY
LEVY ENGINEERS
972.233.1201

ACOUSTIC
Acoustic
214.954.7700

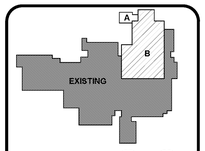
BUILDING ENVELOPE
Building Envelope
972.233.1201

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN

NORTH: PLAN TRUE

ARCHITECT

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

1ST FLOOR PLAN - AREA B

A-101B

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David W. Carter High School Interior Renovations and Additions.rvt

CHECKED BY: Checker
DRAWN BY: Author
Plot Stamp: 10/28/2025 9:27:39 AM

0"
1"

GENERAL CEILING PLAN NOTES

1. -*EFER TO AND COORDINATE WITH ROOM FINISH SCHEDULES FOR SPECIFIC CEILING TYPES.
2. ALL SCHEDULED CEILING HEIGHTS ARE FROM THE MAIN FLOOR LEVEL WITHIN THE ROOM AND OR SPACE, AND ARE NOT FROM AN ELEVATED FLOOR LEVEL, AND ARE NOT FROM A RECESSED FLOOR LEVEL.
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17. ALL WALL-MOUNTED LIGHT FIXTURES ARE TO BE MOUNTED AT ____A.F.F. TO THE TOP OF THE FIXTURE, UNLESS NOTED OTHERWISE.

CEILING MATERIALS LEGEND

ACT-01
2' x 2' ACOUSTIC CEILING SYSTEM

TCP-01
5' x 5' TECTUM CEILING PANEL

OPEN TO ABOVE
PAINT [PT-1]

GYPSUM BOARD
PAINT [PT-1]

METAL PANEL
PAINT [PT-1, GUANTLET GRAY]

CEILING FIXTURE LEGEND

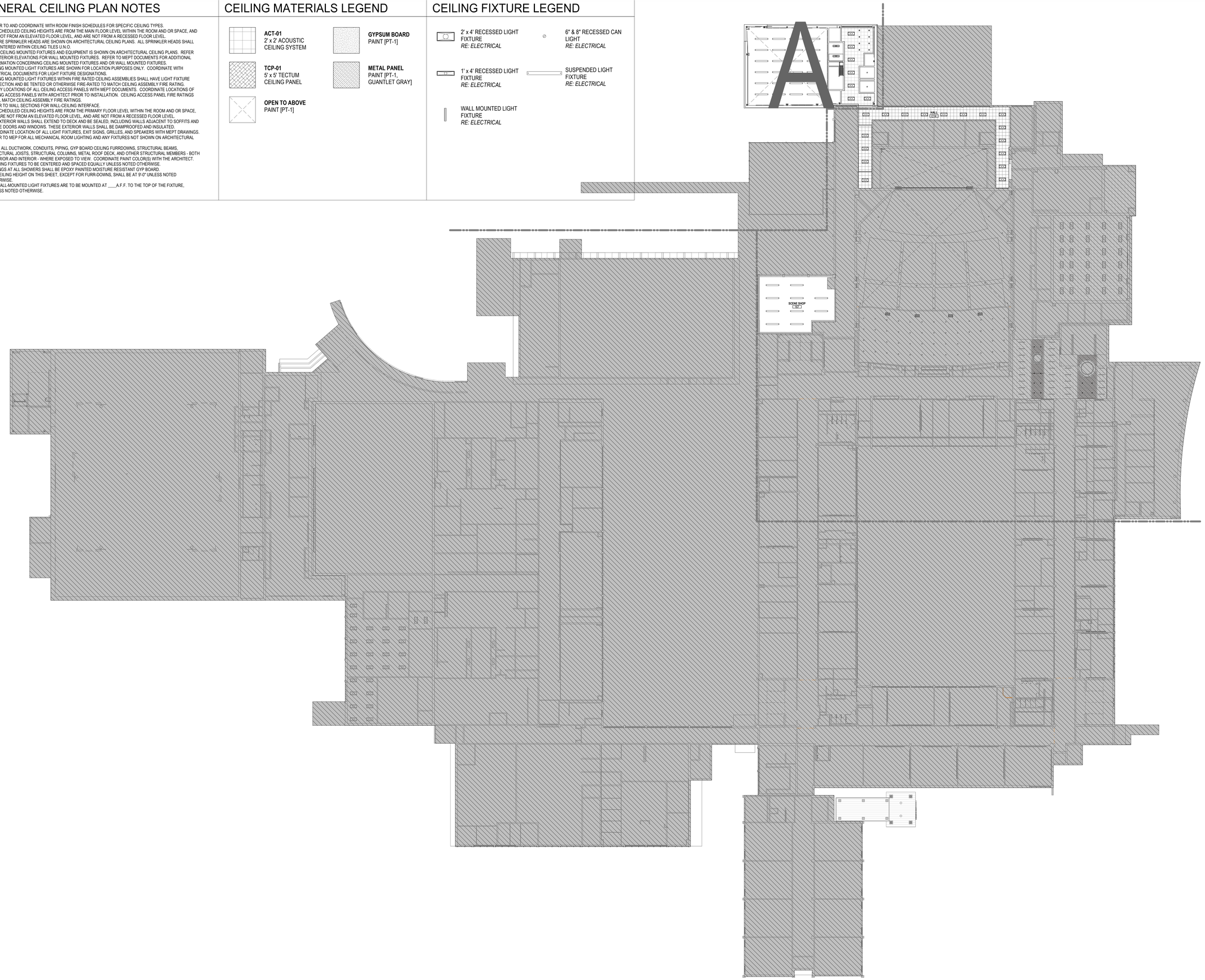
2' x 4' RECESSED LIGHT FIXTURE
RE: ELECTRICAL

1' x 4' RECESSED LIGHT FIXTURE
RE: ELECTRICAL

WALL MOUNTED LIGHT FIXTURE
RE: ELECTRICAL

6" & 8" RECESSED CAN LIGHT
RE: ELECTRICAL

SUSPENDED LIGHT FIXTURE
RE: ELECTRICAL



06 1ST LEVEL - CEILING PLAN - COMPOSITE
3/64" = 1'-0"

ARCHITECT
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T 214-886-7870

STRUCTURAL
Charles Goen and Associates, Inc.
T 214-340-1199

MEP
MEP CORR
T 214-217-9500

TECHNOLOGY
LEAF ENGINEERS
T 972-233-1323

ACOUSTIC
RWA
T 214-954-3700

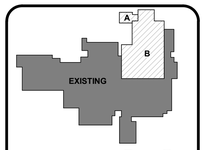
BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
DANIEL S BERGER
REGISTERED ARCHITECT
26370
STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

1ST FLOOR CEILING PLAN - COMPOSITE

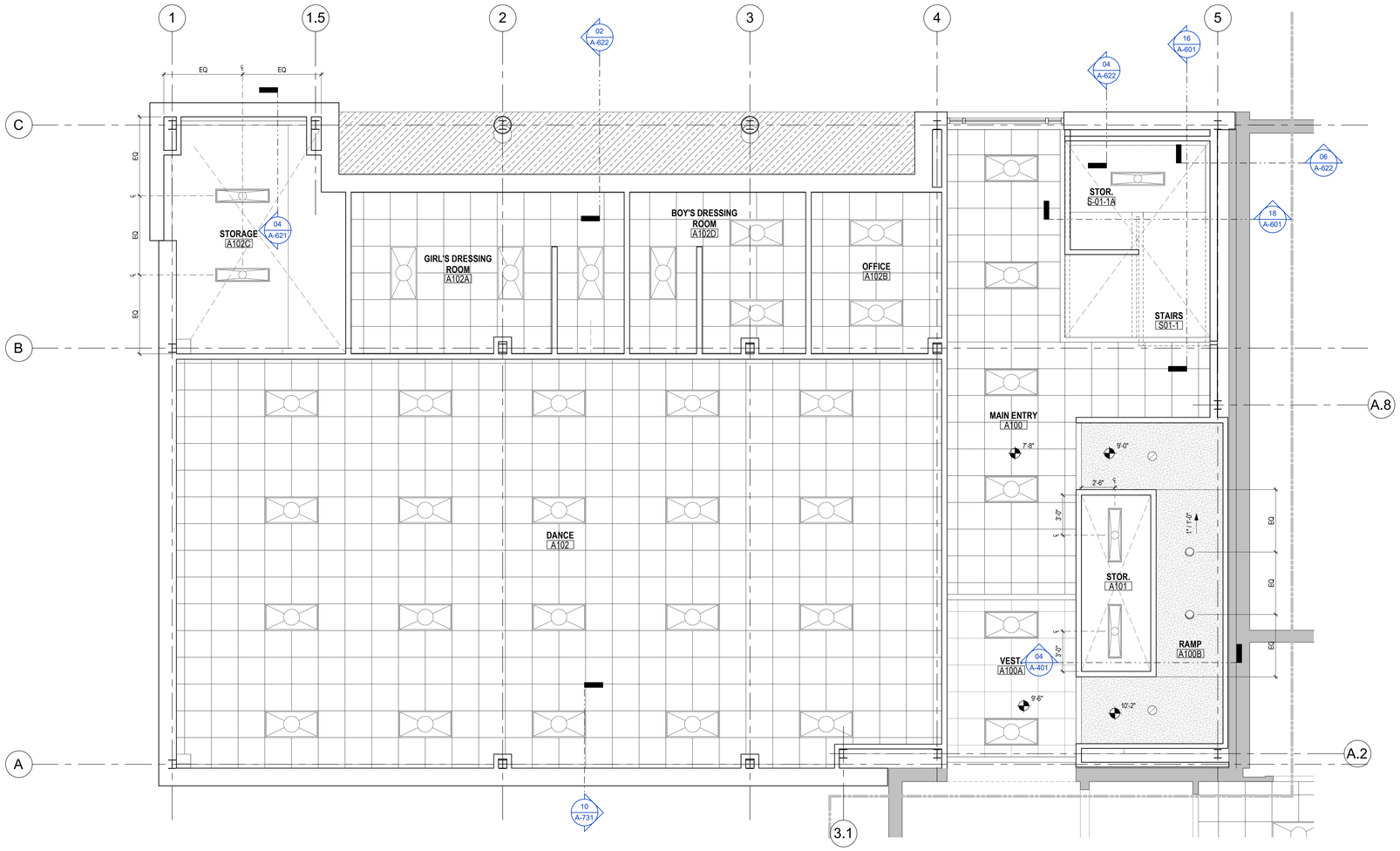
A-201

1ST FLOOR CEILING PLAN - COMPOSITE
A-201
FOR BLUEBEAM LABELING OCR:

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David W. Carter High School Interior Renovations and Additions.rvt

CHECKED BY:
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Author
Plot Stamp:
10/28/2025 9:27:43 AM

0"
1"



06 BLACK BOX CEILING PLAN LEVEL 1
1/4" = 1'-0"

GENERAL CEILING PLAN NOTES

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CEILING MATERIALS LEGEND

- **ACT-01** 2' x 2' ACOUSTIC CEILING SYSTEM
- **GYPSUM BOARD** PAINT [PT-1]
- **TCP-01** 5' x 5' TECTUM CEILING PANEL
- **METAL PANEL** PAINT [PT-1, GUANTLET GRAY]
- **OPEN TO ABOVE** PAINT [PT-1]

CEILING FIXTURE LEGEND

- 2' x 4' RECESSED LIGHT FIXTURE *RE: ELECTRICAL*
- 6" & 8" RECESSED CAN LIGHT *RE: ELECTRICAL*
- 1' x 4' RECESSED LIGHT FIXTURE *RE: ELECTRICAL*
- SUSPENDED LIGHT FIXTURE *RE: ELECTRICAL*
- WALL MOUNTED LIGHT FIXTURE *RE: ELECTRICAL*

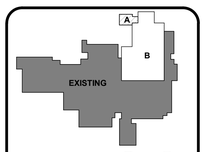
KEYNOTE LEGEND

NUMBER	DESCRIPTION

PBK
ARCHITECT PBK Architects, Inc.
DALLAS PBK.com
14001 Dallas Parkway, Suite 400
Dallas, TX 75240
972-233-1323 P
972-233-1373 F
TX Firm: BR 1608
CIVIL
Simon Engineering & Consulting, Inc.
T 214-886-7870
STRUCTURAL
Charles Goen and Associates, Inc.
T 214-340-1199
MEP
MEI GLOBE
T 214-217-9900
TECHNOLOGY
LEAF ENGINEERS
T 972-233-1323
ACOUSTIC
RWA
T 972-994-3700
BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS
ORG.023
1819 W WHEATLAND RD.
DALLAS, TX 75232
ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN NORTH: PLAN TRUE

ARCHITECT


CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT
BUILDING NUMBER

BLACK BOX LEVEL 1 FLOOR CEILING PLAN

A-201A1

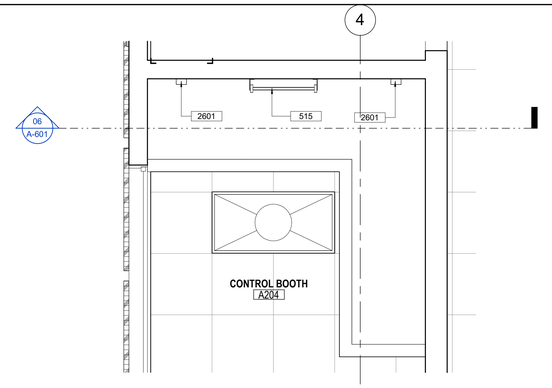
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DRAWN BY: Author
Plot Stamp: 10/28/2025 9:27:44 AM

0"
1"

BLACK BOX LEVEL 2 FLOOR CEILING PLAN

A-201A2

FOR BLUEBEAM LABELING/OCR:



27 BLACK BOX CEILING PLAN LEVEL 2 - ENLARGED
1/2" = 1'-0"



06 BLACK BOX CEILING PLAN LEVEL 2
1/4" = 1'-0"

GENERAL CEILING PLAN NOTES

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CEILING MATERIALS LEGEND

- **ACT-01** 2' x 2' ACOUSTIC CEILING SYSTEM
- **GYPSUM BOARD** PAINT [PT-1]
- **TCP-01** 5' x 5' TECTUM CEILING PANEL
- **METAL PANEL** PAINT [PT-1, GUANTLET GRAY]
- **OPEN TO ABOVE** PAINT [PT-1]

CEILING FIXTURE LEGEND

- 2' x 4' RECESSED LIGHT FIXTURE *RE: ELECTRICAL*
- 6" & 8" RECESSED CAN LIGHT *RE: ELECTRICAL*
- 1' x 4' RECESSED LIGHT FIXTURE *RE: ELECTRICAL*
- SUSPENDED LIGHT FIXTURE *RE: ELECTRICAL*
- WALL MOUNTED LIGHT FIXTURE *RE: ELECTRICAL*

KEYNOTE LEGEND

NUMBER	DESCRIPTION
515	WALL MOUNTED STAINLESS STEEL LADDER
941	PAINT EXPOSED CEILING AND ABOVE CEILING ITEMS PT-05
1224	WIRE TENSION GRID
2601	LIGHTING FIXTURE, REFER TO ELECTRICAL

PBK

ARCHITECT
PBK Architects, Inc.
PBK.com
DALLAS
14001 Dallas Parkway, Suite 400
Dallas, TX 75240
972-233-1323 P
972-233-1373 F
TX Firm: BR 1608

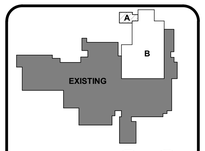
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ACOUSTIC
ACOUSTEK
T 972-994-3700
BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1919 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT



CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

BLACK BOX LEVEL 2 FLOOR CEILING PLAN

A-201A2

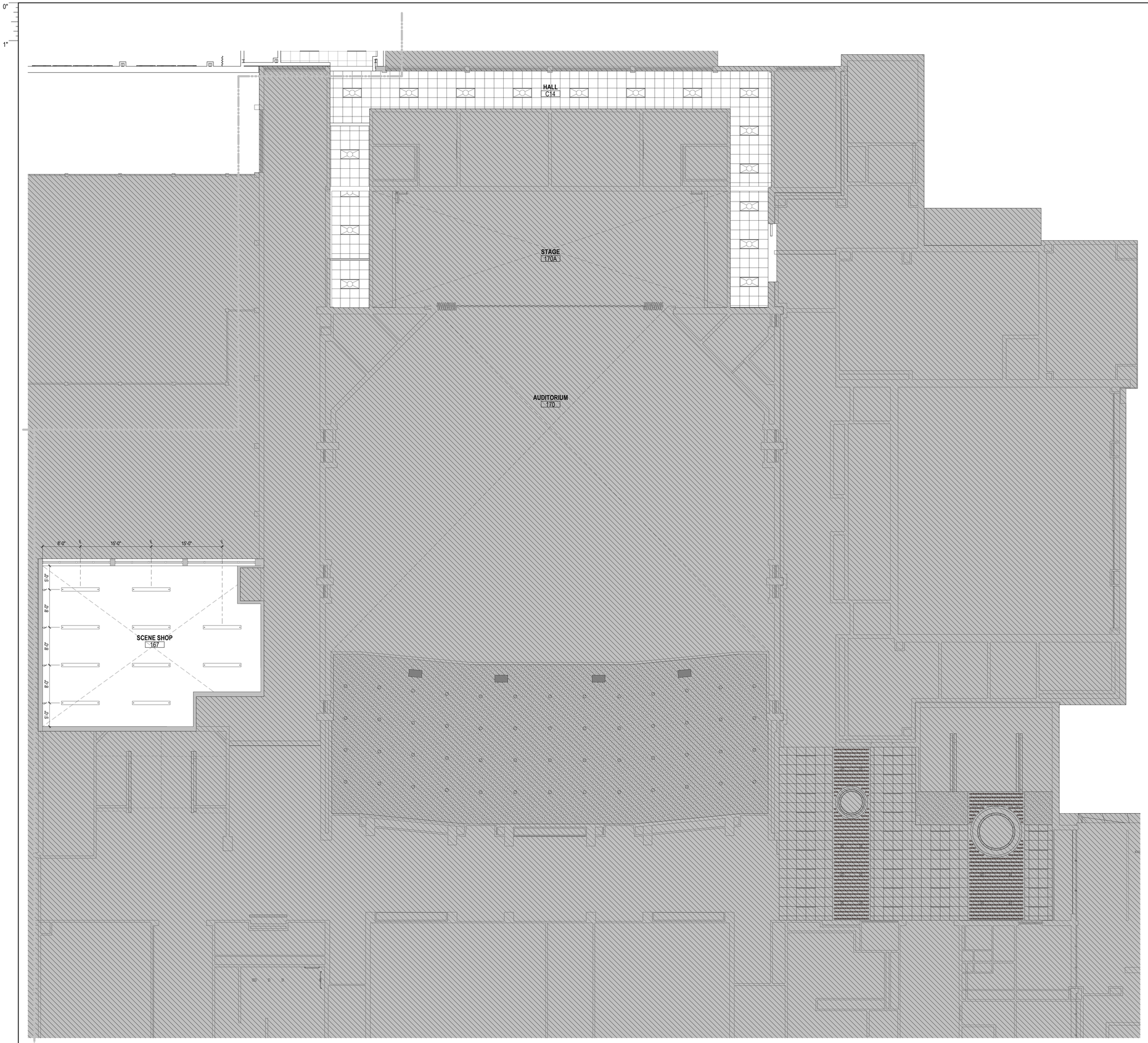
File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David W. Carter High School Interior Renovations and Additions.rvt

CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
10/28/2025 9:27:45 AM

1ST FLOOR CEILING PLAN - AREA B

A-201B

FOR BLUEBEAM LABELING:



06 1ST LEVEL - CEILING PLAN - AREA B
1/8" = 1'-0"

GENERAL CEILING PLAN NOTES

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- **METAL PANEL** PAINT [PT-1, GUANTLET GRAY]
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- WALL MOUNTED LIGHT FIXTURE *RE: ELECTRICAL*

KEYNOTE LEGEND

NUMBER	DESCRIPTION

PBK

ARCHITECT PBK Architects, Inc.
DALLAS PBK.com
14001 Dallas Parkway, Suite 400
Dallas, TX 75240
972-233-1323 P
972-233-1373 F
TX Firm: BR 1608

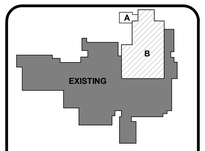
CIVIL
Simon Engineering & Consulting, Inc.
T 214-886-7870
STRUCTURAL
Charles Goen and Associates, Inc.
T 214-340-1199
MEP
MEITHER
T 214-217-9560
TECHNOLOGY
LEAF ENGINEERS
T 972-233-1323
ACOUSTIC
WJHW
T 972-994-3700
BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
REGISTERED ARCHITECT
DANIEL S BERGER
25370
STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

1ST FLOOR CEILING PLAN - AREA B

A-201B

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David W. Carter High School Interior Renovations and Additions.rvt

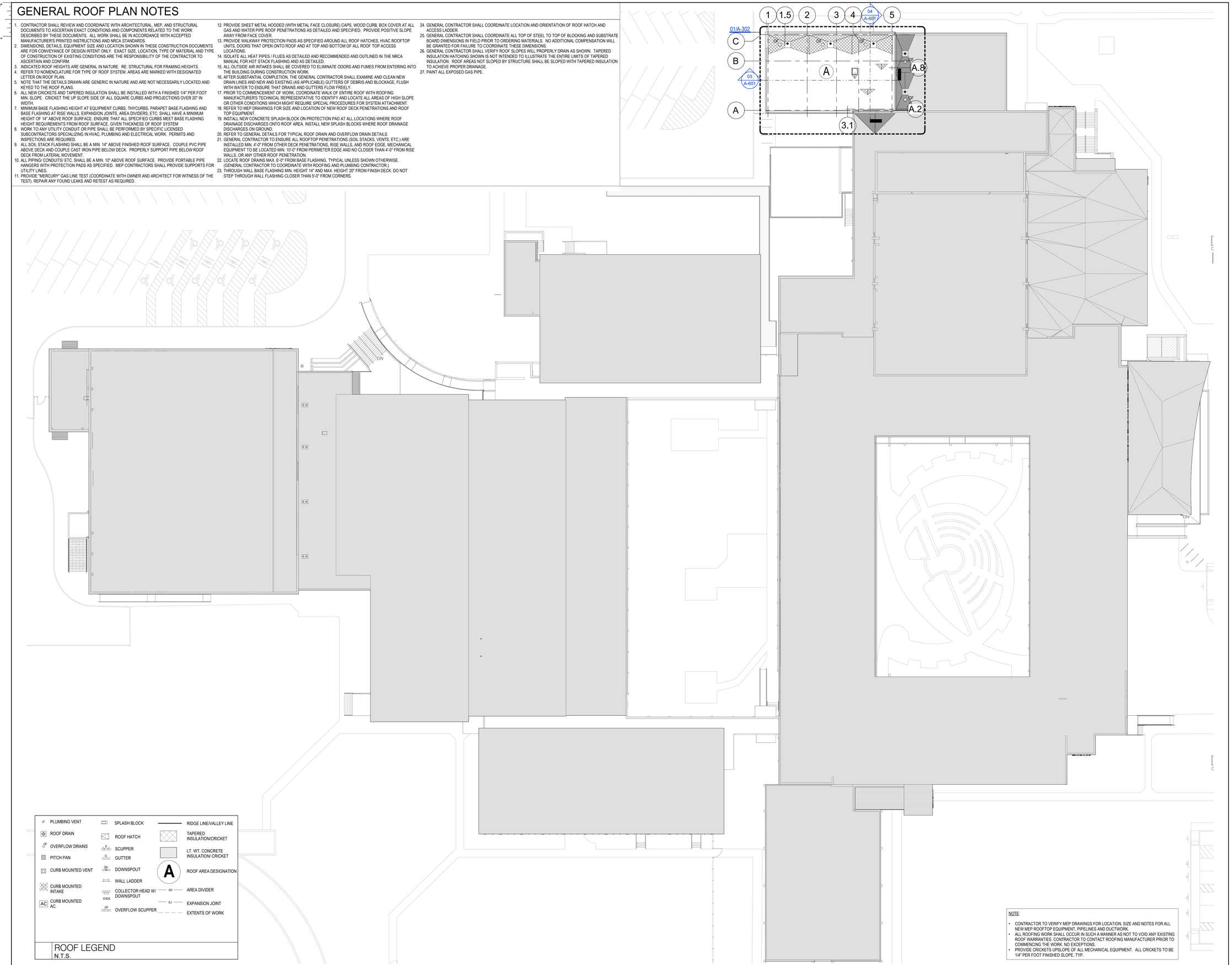
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Checker
DRAWN BY:
Author
Plot Stamp:
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ROOF PLAN - COMPOSITE
A-301
FOR BLUEBEAM LABELING/OCR:

0"
1"

GENERAL ROOF PLAN NOTES

1. CONTRACTOR SHALL REVIEW AND COORDINATE WITH ARCHITECTURAL, MEP, AND STRUCTURAL DOCUMENTS TO ASCERTAIN EXACT CONDITIONS AND COMPONENTS RELATED TO THE WORK DESCRIBED BY THESE DOCUMENTS. ALL WORK SHALL BE IN ACCORDANCE WITH ACCEPTED MANUFACTURER'S PRINTED INSTRUCTIONS AND NRCA STANDARDS.
2. DIMENSIONS, DETAILS, EQUIPMENT SIZE AND LOCATION SHOWN IN THESE CONSTRUCTION DOCUMENTS ARE FOR CONVEYANCE OF DESIGN INTENT ONLY. EXACT SIZE, LOCATION, TYPE OF MATERIAL AND TYPE OF CONSTRUCTION OF EXISTING CONDITIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN AND CONFIRM.
3. INDICATED ROOF HEIGHTS ARE GENERAL IN NATURE. RE: STRUCTURAL FOR FRAMING HEIGHTS.
4. REFER TO NOMENCLATURE FOR TYPE OF ROOF SYSTEM. AREAS ARE MARKED WITH DESIGNATED LETTER ON ROOF PLAN.
5. NOTE THAT THE DETAILS DRAWN ARE GENERIC IN NATURE AND ARE NOT NECESSARILY LOCATED AND KEYED TO THE ROOF PLANS.
6. ALL NEW CRICKETS AND TAPERED INSULATION SHALL BE INSTALLED WITH A FINISHED 1/4" PER FOOT MIN. SLOPE. CRICKET THE UP SLOPE SIDE OF ALL SQUARE CURBS AND PROJECTIONS OVER 20" IN WIDTH.
7. MINIMUM BASE FLASHING HEIGHT AT EQUIPMENT CURBS, THYCURBS, PARAPET BASE FLASHING AND BASE FLASHING AT RISE WALLS, EXPANSION JOINTS, AREA DIVIDERS, ETC. SHALL HAVE A MINIMUM HEIGHT OF 14" ABOVE ROOF SURFACE. ENSURE THAT ALL SPECIFIED CURBS MEET BASE FLASHING HEIGHT REQUIREMENTS FROM ROOF SURFACE, GIVEN THICKNESS OF ROOF SYSTEM
8. WORK TO ANY UTILITY CONDUIT OR PIPE SHALL BE PERFORMED BY SPECIFIC LICENSED SUBCONTRACTORS SPECIALIZING IN HVAC, PLUMBING AND ELECTRICAL WORK. PERMITS AND INSPECTIONS ARE REQUIRED.
9. ALL SOIL STACK FLASHING SHALL BE A MIN. 14" ABOVE FINISHED ROOF SURFACE. COUPLE PVC PIPE ABOVE DECK AND COUPLE CAST IRON PIPE BELOW DECK. PROPERLY SUPPORT PIPE BELOW ROOF DECK FROM LATERAL MOVEMENT.
10. ALL PIPING/ CONDUITS/ ETC. SHALL BE A MIN. 10" ABOVE ROOF SURFACE. PROVIDE PORTABLE PIPE HANGERS WITH PROTECTION PADS AS SPECIFIED. MEP CONTRACTORS SHALL PROVIDE SUPPORTS FOR UTILITY LINES.
11. PROVIDE "MERCURY" GAS LINE TEST (COORDINATE WITH OWNER AND ARCHITECT FOR WITNESS OF THE TEST). REPAIR ANY FOUND LEAKS AND RETEST AS REQUIRED.
12. PROVIDE SHEET METAL HOODED (WITH METAL FACE CLOSURE) CAPS, WOOD CURB, BOX COVER AT ALL GAS AND WATER PIPE ROOF PENETRATIONS AS DETAILED AND SPECIFIED. PROVIDE POSITIVE SLOPE AWAY FROM FACE COVER.
13. PROVIDE WALKWAY PROTECTION PADS AS SPECIFIED AROUND ALL ROOF HATCHES, HVAC ROOFTOP UNITS, DOORS THAT OPEN ONTO ROOF AND AT TOP AND BOTTOM OF ALL ROOF TOP ACCESS LOCATIONS.
14. ISOLATE ALL HEAT PIPES / FLUES AS DETAILED AND RECOMMENDED AND OUTLINED IN THE NRCA MANUAL FOR HOT STACK FLASHING AND AS DETAILED.
15. ALL OUTSIDE AIR INTAKES SHALL BE COVERED TO ELIMINATE ODORS AND FUMES FROM ENTERING INTO THE BUILDING DURING CONSTRUCTION WORK.
16. AFTER SUBSTANTIAL COMPLETION, THE GENERAL CONTRACTOR SHALL EXAMINE AND CLEAN NEW DRAIN LINES AND NEW AND EXISTING (AS APPLICABLE) GUTTERS OF DEBRIS AND BLOCKAGE, FLUSH WITH WATER TO ENSURE THAT DRAINS AND GUTTERS FLOW FREELY.
17. PRIOR TO COMMENCEMENT OF WORK, COORDINATE WALK OF ENTIRE ROOF WITH ROOFING MANUFACTURER'S TECHNICAL REPRESENTATIVE TO IDENTIFY AND LOCATE ALL AREAS OF HIGH SLOPE OR OTHER CONDITIONS WHICH MIGHT REQUIRE SPECIAL PROCEDURES FOR SYSTEM ATTACHMENT.
18. REFER TO MEP DRAWINGS FOR SIZE AND LOCATION OF NEW ROOF DECK PENETRATIONS AND ROOF TOP EQUIPMENT.
19. INSTALL NEW CONCRETE SPLASH BLOCK ON PROTECTION PAD AT ALL LOCATIONS WHERE ROOF DRAINAGE DISCHARGES ONTO ROOF AREA. INSTALL NEW SPLASH BLOCKS WHERE ROOF DRAINAGE DISCHARGES ON GROUND.
20. REFER TO GENERAL DETAILS FOR TYPICAL ROOF DRAIN AND OVERFLOW DRAIN DETAILS.
21. GENERAL CONTRACTOR TO ENSURE ALL ROOFTOP PENETRATIONS (SOIL STACKS, VENTS, ETC.) ARE INSTALLED MIN. 4'-0" FROM OTHER DECK PENETRATIONS, RISE WALLS, AND ROOF EDGE. MECHANICAL EQUIPMENT TO BE LOCATED MIN. 10'-0" FROM PERIMETER EDGE AND NO CLOSER THAN 4'-0" FROM RISE WALLS, OR ANY OTHER ROOF PENETRATION.
22. LOCATE ROOF DRAINS MAX. 6'-0" FROM BASE FLASHING, TYPICAL UNLESS SHOWN OTHERWISE. (GENERAL CONTRACTOR TO COORDINATE WITH ROOFING AND PLUMBING CONTRACTOR.)
23. THROUGH WALL BASE FLASHING MIN. HEIGHT 14" AND MAX. HEIGHT 20" FROM FINISH DECK. DO NOT STEP THROUGH WALL FLASHING CLOSER THAN 5'-0" FROM CORNERS.
24. GENERAL CONTRACTOR SHALL COORDINATE LOCATION AND ORIENTATION OF ROOF HATCH AND ACCESS LADDER.
25. GENERAL CONTRACTOR SHALL COORDINATE ALL TOP OF STEEL TO TOP OF BLOCKING AND SUBSTRATE BOARD DIMENSIONS IN FIELD PRIOR TO ORDERING MATERIALS. NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR FAILURE TO COORDINATE THESE DIMENSIONS.
26. GENERAL CONTRACTOR SHALL VERIFY ROOF SLOPES WILL PROPERLY DRAIN AS SHOWN. TAPERED INSULATION HATCHING SHOWN IS NOT INTENDED TO ILLUSTRATE THE ENTIRE LIMITS OF TAPERED INSULATION. ROOF AREAS NOT SLOPED BY STRUCTURE SHALL BE SLOPED WITH TAPERED INSULATION TO ACHIEVE PROPER DRAINAGE.
27. PAINT ALL EXPOSED GAS PIPE.



PLUMBING VENT	SPLASH BLOCK	RIDGE LINE/VALLEY LINE
ROOF DRAIN	ROOF HATCH	TAPERED INSULATION/CRICKET
OVERFLOW DRAINS	SCUPPER	LT. WT. CONCRETE INSULATION/ CRICKET
PITCH PAN	GUTTER	ROOF AREA DESIGNATION
CURB MOUNTED VENT	DOWNSPOUT	AREA DIVIDER
CURB MOUNTED INTAKE	WALL LADDER	EXPANSION JOINT
CURB MOUNTED AC	COLLECTOR HEAD W/ DOWNSPOUT	EXTENTS OF WORK
	OVERFLOW SCUPPER	

ROOF LEGEND
N.T.S.

NOTE:
- CONTRACTOR TO VERIFY MEP DRAWINGS FOR LOCATION, SIZE AND NOTES FOR ALL NEW MEP ROOFTOP EQUIPMENT, PIPELINES AND DUCTWORK.
- ALL ROOFING WORK SHALL OCCUR IN SUCH A MANNER AS NOT TO VOID ANY EXISTING ROOF WARRANTIES. CONTRACTOR TO CONTACT ROOFING MANUFACTURER PRIOR TO COMMENCING THE WORK. NO EXCEPTIONS.
- PROVIDE CRICKETS UPSLOPE OF ALL MECHANICAL EQUIPMENT. ALL CRICKETS TO BE 1/4" PER FOOT FINISHED SLOPE, TYP.

06 ROOF PLAN - COMPOSITE
3/64" = 1'-0"

PBK

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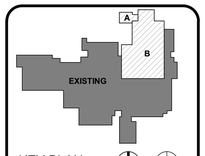
BUILDING ENVELOPE
BEAM
T 972-233-1323

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ORG 023
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KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
DANIEL S BERGER
REGISTERED ARCHITECT
83370
STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD

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2024.08.25	230050

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ROOF PLAN - COMPOSITE

A-301

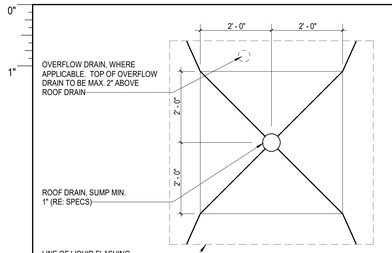
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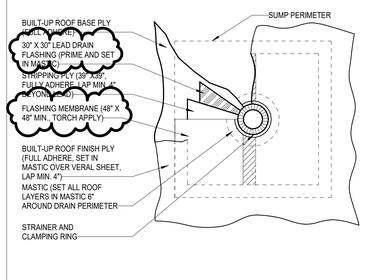
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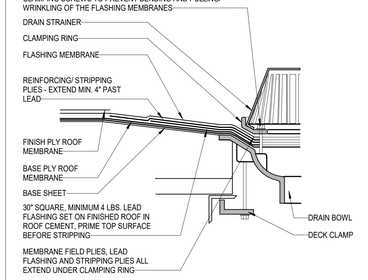
ROOF PLAN - ENLARGED, NOTES & DETAILS

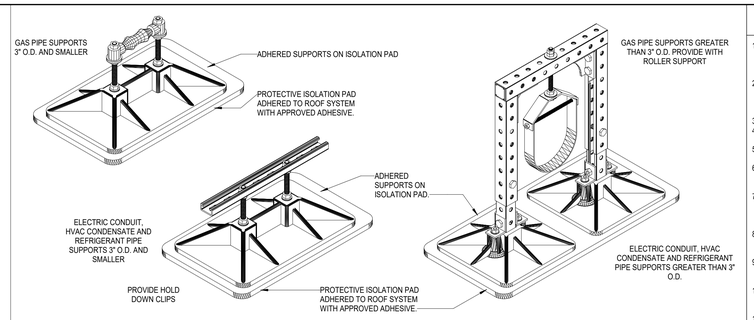
A-302

FOR BLUEBEAM LABELING:OOR:









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22. LOCATE ROOF DRAINS MAX. 6'-0" FROM BASE FLASHING, TYPICAL UNLESS SHOWN OTHERWISE. (GENERAL CONTRACTOR TO COORDINATE WITH ROOFING AND PLUMBING CONTRACTOR.)
23. THROUGH WALL BASE FLASHING MIN. HEIGHT 14" AND MAX. HEIGHT 20" FROM FINISH DECK. DO NOT STEP THROUGH WALL FLASHING CLOSER THAN 5'-0" FROM CORNERS.
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25. GENERAL CONTRACTOR SHALL COORDINATE ALL TOP OF STEEL TO TOP OF BLOCKING AND SUBSTRATE BOARD DIMENSIONS IN FIELD PRIOR TO ORDERING MATERIALS. NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR FAILURE TO COORDINATE THESE DIMENSIONS.
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27. PAINT ALL EXPOSED GAS PIPE.

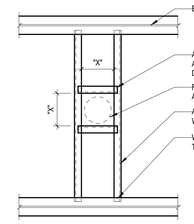
(1) INSTALL NEW OVERFLOW AND PRIMARY DRAINS AS SHOWN IN EXISTING ROOF. COORDINATE WITH MEP FOR EXACT LOCATIONS. MAINTAIN ANY EXISTING ROOF WARRANTIES CURRENTLY IN PLACE. MECHANICALLY FASTEN NEW POLYISOCYANURATE CRICKETING AND ADHERE NEW HIGH DENSITY COVER BOARD AT EXITING ROOF AREAS PER WIND UPLIFT REQUIREMENTS. INSTALL AND STRIP IN NEW 2-PLY MODIFIED BITUMEN MEMBRANE SYSTEM WITH APPROPRIATE FLASHING AT EJ AND RISE WALL CONDTIONS.

(2) REMOVE EXISTING ROOF SYSTEM AT PERIMETER EDGE / GUTTER EDGE BACK 12 TO 18 INCHES, OR A SUFFICIENT DISTANCE TO GET DOWN TO DECK AND INSTALL BLOCKING / FRAME UP A LOW 'PONY WALL' WITH TREATED PLYWOOD SHEATHING TO ACHIEVE SUITABLE BASE FLASHING AT EJ CONDITION FROM EXISTING ROOF TO NEW ADDITION RISE WALL.

(3) INSTALL PAINTED STEEL GUARDRAIL, EXTENTS TO GO 4'-0" BEYOND EDGE OF UNIT TO THE EAST AND WEST. BOLTED ATTACHMENT AT BASE FLASHING. SEAL AND LIQUID FLASH PLATE AND BOLTS.

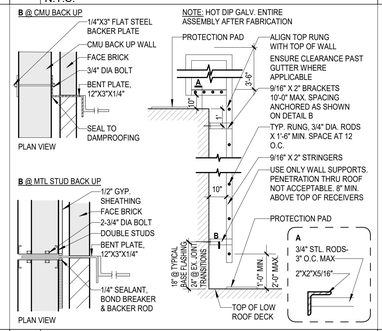
(4) MECHANICALLY FASTEN NEW POLYISOCYANURATE CRICKETING AND ADHERE NEW HIGH DENSITY COVER BOARD AT EXITING ROOF AREAS PER WIND UPLIFT REQUIREMENTS. INSTALL AND STRIP IN NEW 2-PLY MODIFIED BITUMEN MEMBRANE SYSTEM WITH APPROPRIATE FLASHING AT EJ AND RISE WALL CONDTIONS MAINTAIN ANY EXISTING ROOF WARRANTIES CURRENTLY IN PLACE.'

19 ROOFING (MB) - ROOF DRAIN SUMP PLAN
N.T.S.

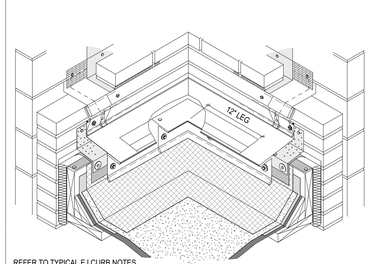


NOTE: INSTALL BRACING PRIOR TO INSTALLATION OF NEW EQUIPMENT CURBS. CONTRACTOR TO VERIFY DIMENSION "X". PROVIDE ANGLE SUPPORTS AT ALL EQUIPMENT CURBS.

18 ROOFING (MB) - ROOF DRAIN PLAN
N.T.S.

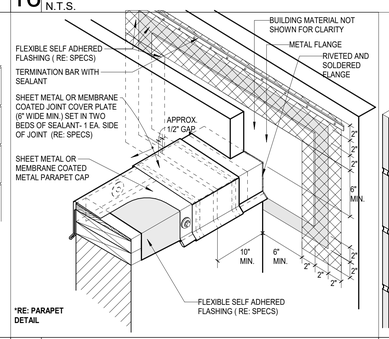


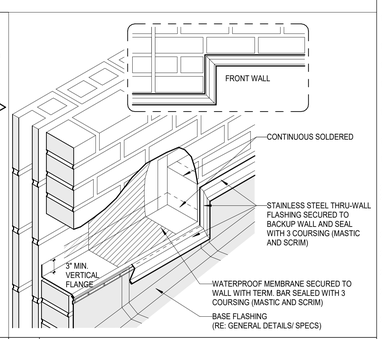
17 ROOFING (MB) - ROOF DRAIN SECTION
N.T.S.



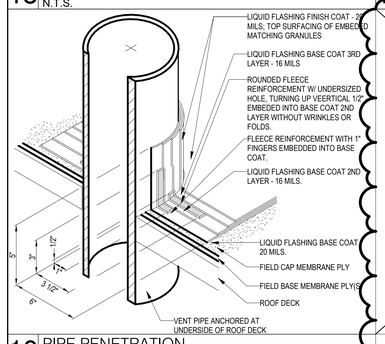
NOTE: AT EJ INTERSECTIONS EXPANSION JOINT MUST HAVE A DOUBLE CLEAT MIN 12" FROM CURB INTERSECTION.

16 PIPE SUPPORTS
N.T.S.



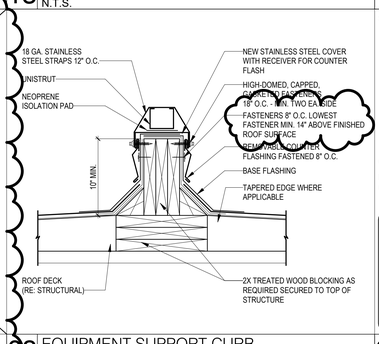


15 EQUIP. CURB / SUPPORT / DRAIN FRAMING
N.T.S.

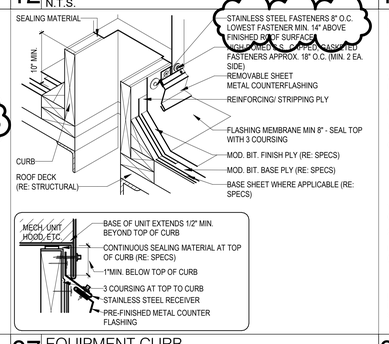


14 ROOF TO ROOF LADDER
N.T.S.

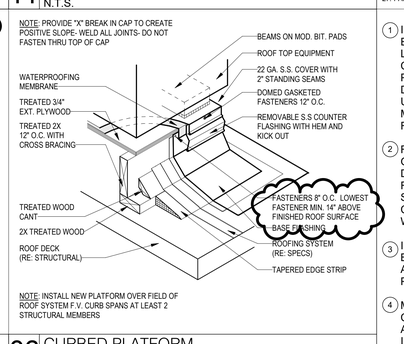
13 EXPANSION INTERSECTION
N.T.S.



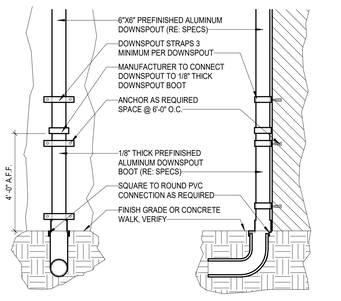
12 SADDLE FLASHING
N.T.S.



11 THRU-WALL FLASHING
N.T.S.



10 PIPE PENETRATION
N.T.S.



NOT USED

08 EQUIPMENT SUPPORT CURB
N.T.S.

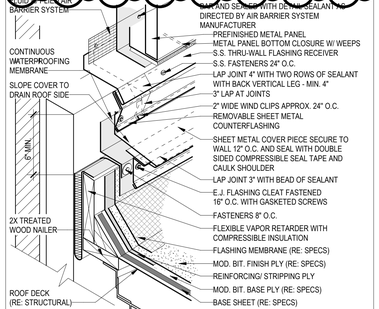
07 EQUIPMENT CURB
N.T.S.

06 CURBED PLATFORM
N.T.S.

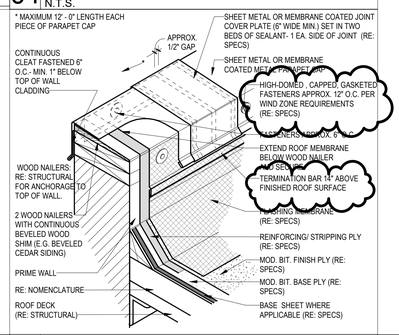
ROOFING KEYNOTE
N.T.S.

PLUMBING VENT	SPLASH BLOCK	RIDGE LINE/VALLEY LINE
ROOF DRAIN	ROOF HATCH	TAPERED INSULATION/CRICKET
OVERFLOW DRAINS	SCUPPER	LT. WT. CONCRETE INSULATION/ CRICKET
PITCH PAN	GUTTER	
CURB MOUNTED VENT	DOWNSPOUT	A — ROOF AREA DESIGNATION
CURB MOUNTED INTAKE	WALL LADDER	
CURB MOUNTED AC	COLLECTOR HEAD W/ DOWNSPOUT	AD — AREA DIVIDER
	OVERFLOW SCUPPER	EJ — EXPANSION JOINT
		EXTENTS OF WORK

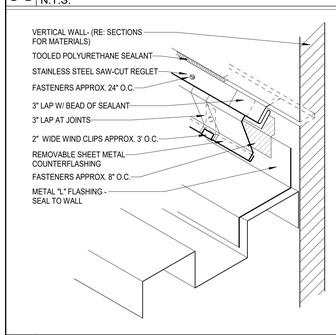
05 ROOFING - DOWNSPOUT TO BOOT
N.T.S.



04 BASE FLASHING @ EJ
N.T.S.

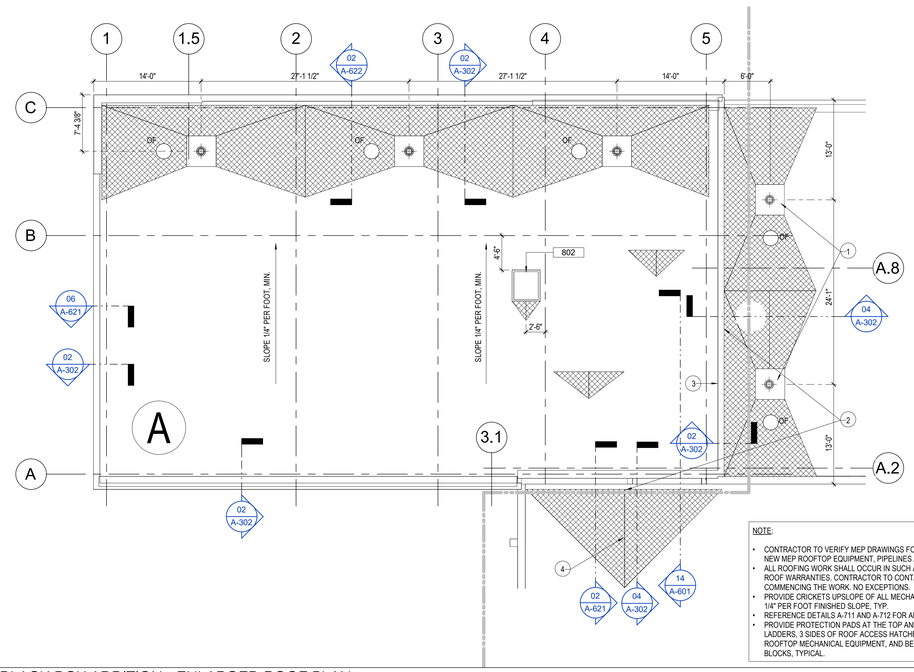


03 SAWCUT FLASHING @ CANOPIES
N.T.S.



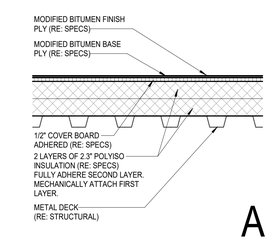
02 PARAPET
N.T.S.

01 BLACK BOX ADDITION - ENLARGED ROOF PLAN
1/8" = 1'-0"



NOTE:
- CONTRACTOR TO VERIFY MEP DRAWINGS FOR LOCATION, SIZE AND NOTES FOR ALL NEW MEP ROOFTOP EQUIPMENT, PIPELINES AND DUCTWORK.
- ALL ROOFING WORK SHALL OCCUR IN SUCH A MANNER AS NOT TO VOID ANY EXISTING ROOF WARRANTIES. CONTRACTOR TO CONTACT ROOFING MANUFACTURER PRIOR TO COMMENCING THE WORK. NO EXCEPTIONS.
- PROVIDE CRICKETS UPSLOPE OF ALL MECHANICAL EQUIPMENT. ALL CRICKETS TO BE 1/4" PER FOOT FINISHED SLOPE, TYP.
- REFERENCE DETAILS A-711 AND A-712 FOR ADDTIONAL ROOF DETAILS.
- PROVIDE PROTECTION PADS AT THE TOP AND BOTTOM OF AN ROOF TO ROOF ACCESS LADDERS, 3 SIDES OF ROOF ACCESS HATCHES, AT ALL SERVICE LOCATIONS AROUND ROOFTOP MECHANICAL EQUIPMENT, AND BENEATH ALL PIPE SUPPORTS AND SPLASH BLOCKS, TYPICAL.

ROOF LEGEND
N.T.S.



ROOFING NOMENCLATURE
N.T.S.

A

PBK

ARCHITECT — PBK Architects, Inc.
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ACOUSTIC
ACOUSTIC
T 972-294-3700

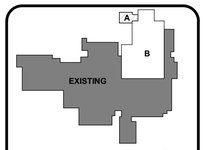
BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date
1	DRYTEK REVISIONS	2025/11/20

ISSUED FOR PERMIT

BUILDING NUMBER

ROOF PLAN - ENLARGED, NOTES & DETAILS

A-302

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David W. Carter High School Interior Renovations and Additions.rvt

CHECKED BY: Checker
DRAWN BY: Author
Plot Stamp: 11/24/2025 1:18:21 PM

0"
1"

TYPICAL BUILDING ENVELOPE DETAILS

A-304

FOR BLUEBEAM LABELING/OCR:

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DSB
DRAWN BY:
NB
Plot Stamp:
11/24/2025 1:18:21 PM

GENERAL NOTES FOR AIR BARRIER SYSTEM / PENETRATIONS

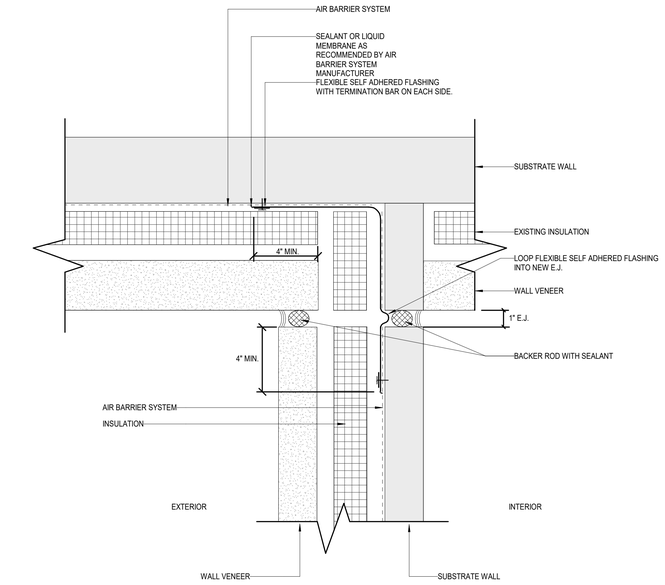
1. ALL DETAILS ARE INTENDED TO INDICATE GENERIC SUBSTRATE AND FLASHING/SEALING OF EXTERIOR BUILDING ENVELOPE CONDITIONS. EXACT PROJECT CONDITIONS AND DETAILS WILL VARY. REFER ALSO TO ARCHITECTURAL WINDOW, DOOR AND OTHER WALL PENETRATION OPENINGS FOR ADDITIONAL NOTES AND FINISHES.

2. ALL DETAILS ARE INTENDED TO CONVEY THE BUILDING CODE REQUIREMENTS OF A SEALED BUILDING ENVELOPE. OTHER PROJECT CONDITIONS MAY DICTATE DIFFERING DETAILS, HOWEVER A SEALED BUILDING ENVELOPE IS TO BE MAINTAINED.

3. ALL LAPS AND EXPOSED EDGES OF FLEXIBLE SELF ADHERED FLASHING ARE TO BE SEALED ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

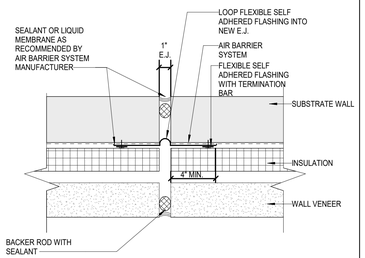
4. EXPOSED EDGES OF FLEXIBLE SELF-ADEHERED FLASHING ARE NOT TO BE INSTALLED IN CONTACT WITH POLYURETHANE SEALANTS EXPOSED TO VIEW.

5. AIR BARRIER SYSTEM IS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. ALL AIR BARRIER, FLASHING AND TRANSITION MATERIALS SHALL BE COMPATIBLE WITH ONE ANOTHER AND CONSTITUTE THE AIR BARRIER SYSTEM.

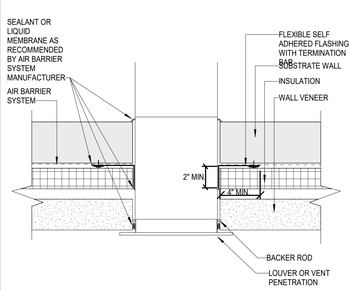


14 "T" CONNECTION EXPANSION JOINT
1 1/2" = 1'-0"

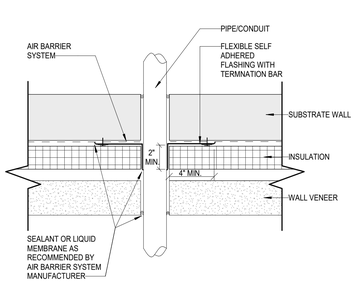
15 AIR BARRIER SYSTEM GENERAL NOTES
1 1/2" = 1'-0"



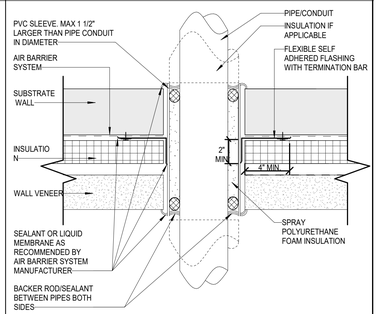
10 EXPANSION JOINT CONNECTION
1 1/2" = 1'-0"



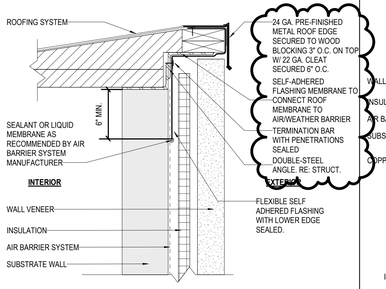
09 DUCT WALL PENETRATION
1 1/2" = 1'-0"



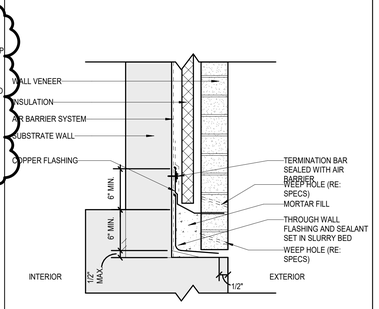
08 PIPE/CONDUIT WALL PENETRATION
1 1/2" = 1'-0"



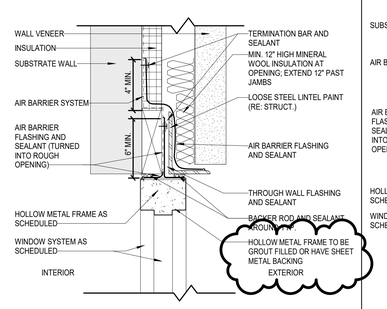
07 SLEEVE PIPE WALL PENETRATION
1 1/2" = 1'-0"



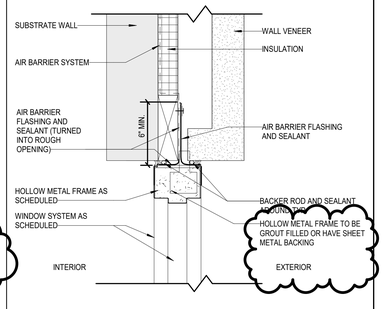
04 TOP OF WALL AT ROOF EDGE
1 1/2" = 1'-0"



03 BASE OF MASONRY WALL
1 1/2" = 1'-0"



02 HOLLOW METAL HEAD FLASHING
1 1/2" = 1'-0"



01 HOLLOW METAL JAMB FLASHING
1 1/2" = 1'-0"

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972-233-1373 F
TX Firm: BR 1608

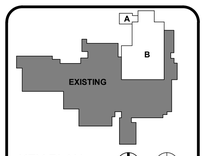
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Charles Goger and Associates, Inc.
T 214-340-1199
MEP
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BEAM
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DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
DANIEL S. BARKER
REGISTERED ARCHITECT
STATE OF TEXAS
25370
2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date
1	DRYTEK REVISIONS	2025/11/20

ISSUED FOR PERMIT

BUILDING NUMBER

TYPICAL BUILDING ENVELOPE DETAILS

A-304

0"
1"

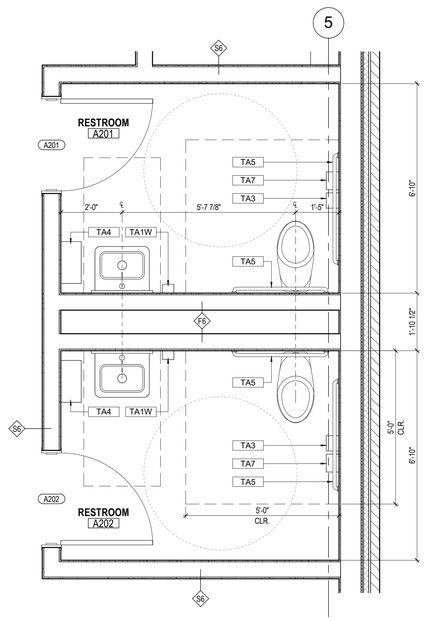
ENLARGED FLOOR PLANS

A-401

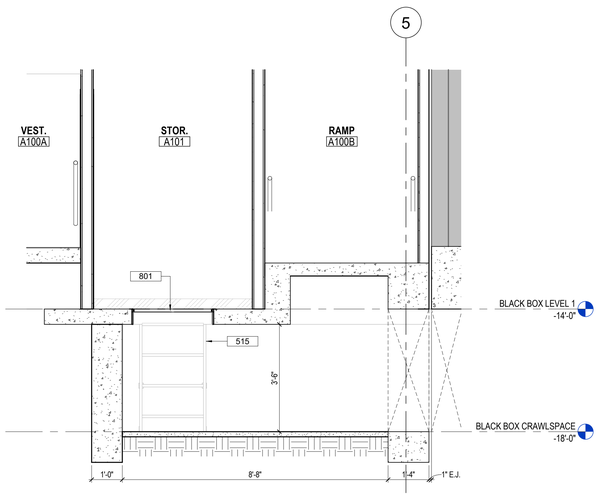
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KEYNOTE LEGEND

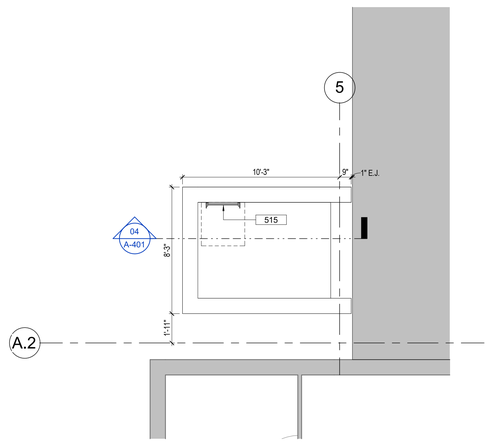
NUMBER	DESCRIPTION
515	WALL MOUNTED STAINLESS STEEL LADDER
801	NEW CRAWLSPACE HATCH ACCESS 2'-10" X 2'-10", CONNECT TO EXISTING HATCH LOCATION
TA1W	SOAP DISPENSER, WALL-MOUNTED, TYP.
TA3	TOILET PAPER DISPENSER, TYP.
TA4	PAPER TOWEL DISPENSER, O.F.O.I., TYP.
TA5	GRAB BARS, AT TYPICAL WHEELCHAIR ACCESSIBLE WATERCLOSET, TYP.
TA7	SANITARY NAPKIN DISPOSAL, TYP.



06 BLACK BOX LEVEL 2 - ENLARGED TOILET PLAN - A201 & A202
1/2" = 1'-0"



04 BLACK BOX CRAWLSPACE - SECTION - NORTH
1/2" = 1'-0"



02 BLACK BOX CRAWLSPACE - ENLARGED AREA PLAN
1/4" = 1'-0"

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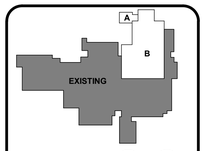
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LEAF ENGINEERS
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ACOUSTIC
Wilson
T 214-244-3700
BUILDING ENVELOPE
BEAN
T 972-233-1323

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ORG 023
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DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
REGISTERED ARCHITECT
DANIEL S. BERGER
26370
STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

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BUILDING NUMBER

ENLARGED FLOOR PLANS

A-401

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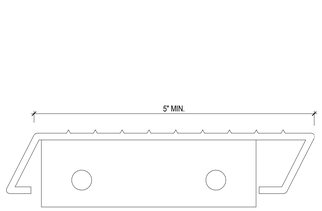
STAIR DETAILS

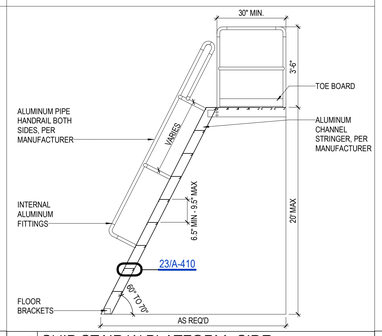
A-410

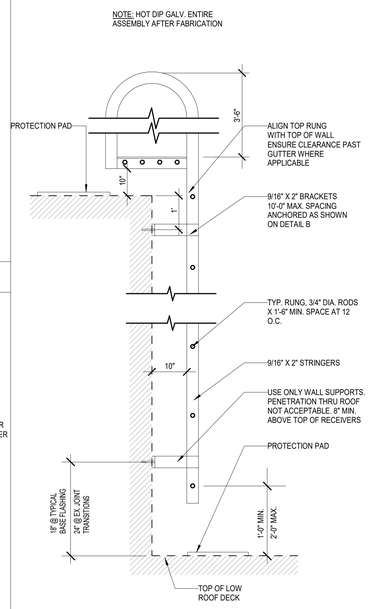
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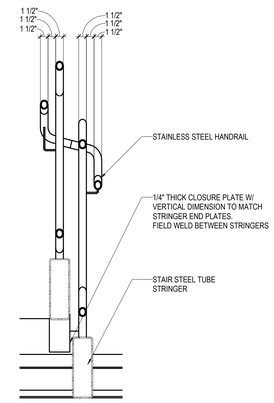
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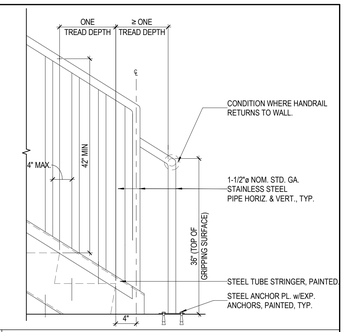
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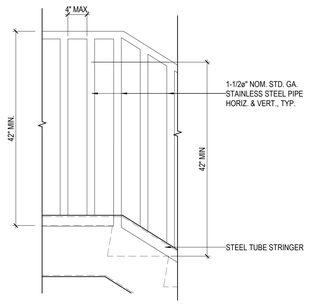




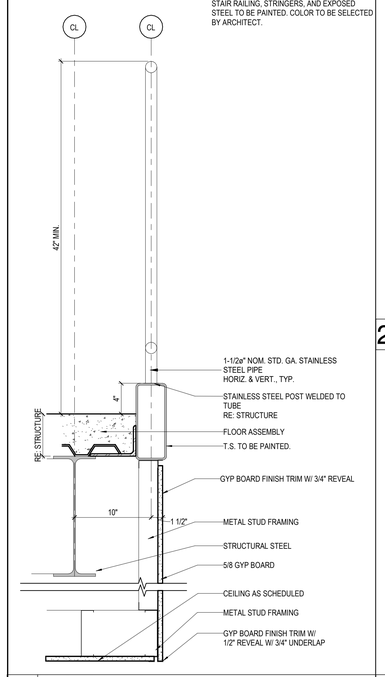




25 STAIR DETAIL - BOTTOM HANDRAIL
1" = 1'-0"



19 STAIR DETAIL - AT INTERMEDIATE LANDING
1" = 1'-0"



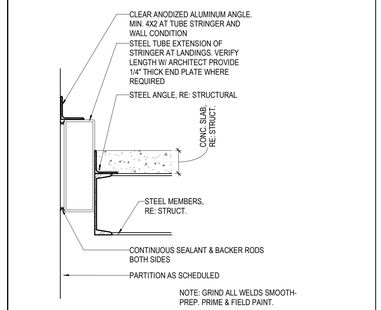
18 SECTION AT GUARDRAIL
1 1/2" = 1'-0"

17 SHIP STAIR W PLATFORM- FRONT
3/8" = 1'-0"

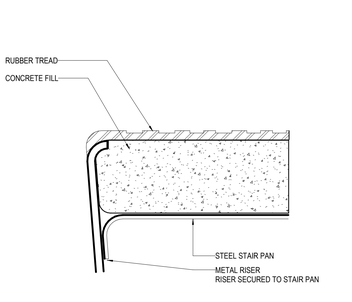
16 STAIR SOFFIT DETAIL AT UPPER LANDING
1 1/2" = 1'-0"

15 STAIR TREAD AT MID-LANDING
1 1/2" = 1'-0"

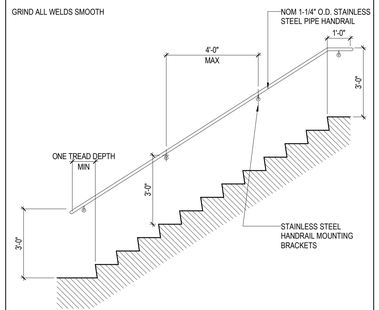
08 TYP. PIPE HANDRAIL DETAIL
1" = 1'-0"



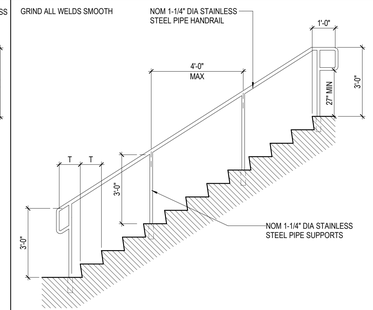
12 TYP. STAIR STRINGER WITH SOFFIT
1 1/2" = 1'-0"



11 UPPER LANDING
1 1/2" = 1'-0"



10 STAIR SOFFIT DETAIL AT MID-LANDING
1 1/2" = 1'-0"



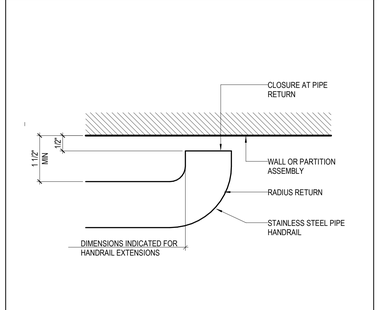
09 STAIR TREAD AT GROUND
1 1/2" = 1'-0"

06 LANDING SIDE WALL
1 1/2" = 1'-0"

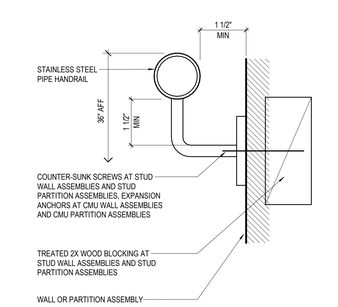
05 TYP. NOSE DETAIL
12" = 1'-0"

04 TYP. WALL MOUNTED RAILING
3/8" = 1'-0"

03 TYP. FLOOR MOUNTED RAILING
3/8" = 1'-0"



02 TYP. RAILING PLAN
6" = 1'-0"



01 TYP. RAILING SECTION
6" = 1'-0"

PBK

ARCHITECT
PBK Architects, Inc.
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BEAN
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DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT

A

B

EXISTING

KEY PLAN

NORTH: PLAN TRUE

ARCHITECT
DANIEL S BERGER
REGISTERED ARCHITECT
29370
STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD

DATE
2024.08.25

PROJECT NUMBER
230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

STAIR DETAILS

A-410

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David W. Carter High School Interior Renovations and Additions.rvt

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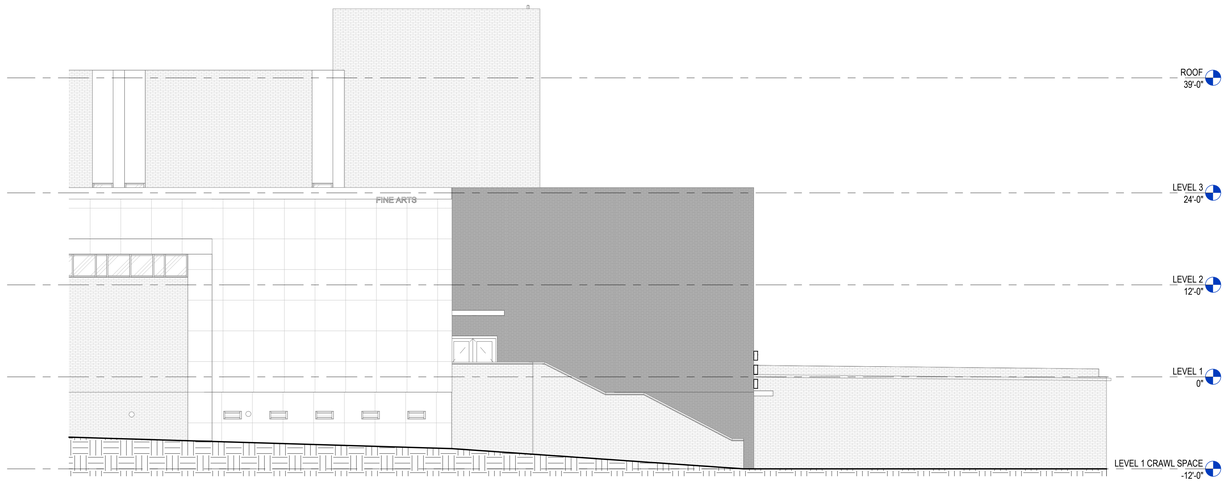
EXTERIOR ELEVATIONS

A-501

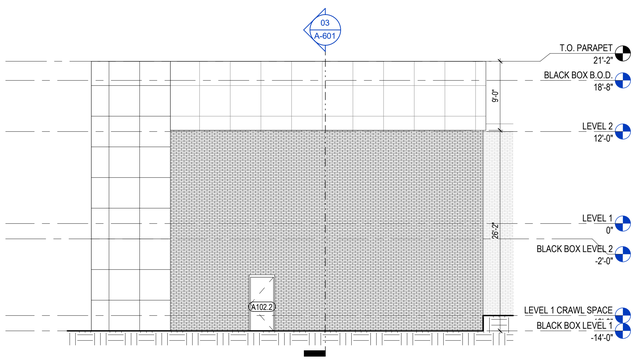
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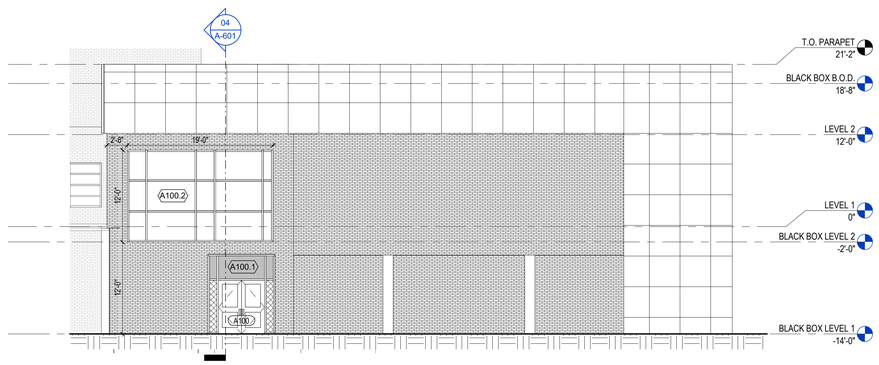
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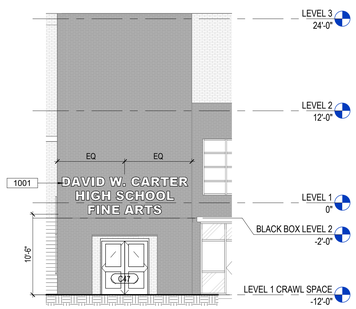
17 EXTERIOR ELEVATION - EAST - FINE ARTS
1/8" = 1'-0"



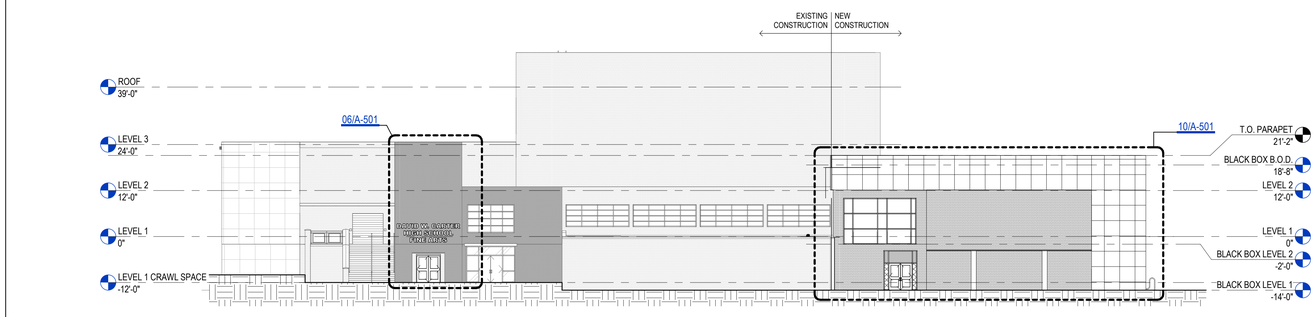
15 EXTERIOR ELEVATION - WEST - BLACK BOX
1/8" = 1'-0"



10 ENLARGED EXTERIOR ELEVATION - NORTH - BLACK BOX
1/8" = 1'-0"



06 EXT. ELEVATION - NORTH - FINE ARTS ENTRY
1/8" = 1'-0"



05 EXTERIOR ELEVATION - NORTH
1/16" = 1'-0"

GENERAL ELEVATION NOTES

1. ALL BUILDING EXPANSION JOINT TO BE 1" UNLESS OTHERWISE NOTED.
2. CONTROL JOINT IN MASONRY VENEER TO BE 3/8" TYPICAL UNLESS OTHERWISE NOTED. EXTEND FULL HEIGHT OF WALL.
3. 1/2" EXPANSION JOINT FILLER ON BOTH ENDS OF ALL STEEL LINTEL ANGLES.
4. CONTRACTOR SHALL PROVIDE WALL MOCK-UP. MOCK-UP TO BE 8' TALL, 8' WIDE. MOCK-UP TO INCLUDE A 4X4 WINDOW. MOCK-UP TO INCLUDE ALL FLASHING AND WATERPROOFING TO SHOW COMPLETE BUILDING ENVELOPE.
5. EXPOSED EXTERIOR STRUCTURAL STEEL TUBE MEMBERS SHALL BE PAINTED P-9.
6. STEEL MASONRY LINTELS SHALL BE GALVANIZED.
7. EXPOSED CONCRETE WALLS, COLUMNS, AND BEAMS SHALL BE RUBBED GROUT FINISH.
8. MASONRY WEEP AT 16" O.C. MAXIMUM.
9. EXTERIOR ALUMINUM STOREFRONT SYSTEM SHALL HAVE ALUMINUM SUB-SILLS WITH END DAMS.
10. EXTERIOR ALUMINUM STOREFRONT SYSTEM SHALL HAVE CONTINUOUS ALUMINUM BACKFILLERS WITH CONTINUOUS PERIMETER ALUMINUM ANGLE.
11. FLEXIBLE MEMBRANE FLASHING AT WINDOWS SILLS AND LINTELS SHALL HAVE PRE-FORMED END DAMS.
12. MASONRY VENEER CONTROL JOINTS SHALL BE 3/8" AT INSIDE CORNERS. AT DISTANCES NOT TO EXCEED 3'-4" FROM OUTSIDE CORNERS, AND AT 30'-0" O.C. MAXIMUM. UNLESS NOTED OTHERWISE. REFERENCE EXTERIOR ELEVATIONS.
13. GUTTERS, CONDUCTOR HEADS, AND DOWNSPOUTS SHALL BE PRE-FINISHED SHEET METAL. COLOR SELECTED BY ARCHITECT.
14. DOWNSPOUTS SHALL HAVE 16 GAUGE PRE-FINISHED DOWNSPOUT BOOTS TO 6'-0" ABOVE FINISH GRADE. COLOR SELECTED BY ARCHITECT.
15. DOWNSPOUTS AND/OR ROOF DRAINS SHALL BE CONNECTED TO STORM DRAIN SYSTEM UNLESS OTHERWISE NOTED. REFERENCE CIVIL FOR STORM DRAIN CONNECTION DETAILS AND LOCATIONS.
16. CONTRACTOR SHALL PROVIDE MOCK-UP FOR EACH EXTERIOR CONDITION AND CONSTRUCTION ASSEMBLY TYPE. MOCK-UP SHALL INCLUDE METAL FLASHINGS, VERTICAL AND HORIZONTAL FLEXIBLE MEMBRANE FLASHINGS, AND WINDOW INSTALLATIONS AS DETAILED IN CONSTRUCTION DOCUMENTS. MOCK-UP SHALL BE A MINIMUM OF 8'-0" TALL X 16'-0" LONG WITH AN EXTERIOR CORNER, INTERIOR CORNER, AND VERTICAL CONTROL JOINTS. COORDINATE LOCATION OF MOCK-UP PANEL WITH ARCHITECT PRIOR TO CONSTRUCTION.
17. CONTRACTOR SHALL PAINT EXPOSED STEEL PER NOTES ON CONTRACT DRAWINGS.

EXTERIOR MATERIALS LEGEND

BK-1
MODULAR BRICK
RUNNING BOND
RE: FINISH SCHEDULE

MWP-1
UNINSULATED METAL
WALL PANEL
RE: FINISH SCHEDULE

EXISTING BRICK
PAINTED PT-1
GAUNTLET GRAY

GLAZING MATERIALS LEGEND

GI1
THERMALLY-
INSULATED GLAZING
UNIT, TYPE 1

GS1
SPANDREL GLAZING,
THERMALLY
INSULATED

GL1
LAMINATED GLAZING
SAFETY GLAZING

GL6
ACOUSTICAL GLASS

KEYNOTE LEGEND

NUMBER	DESCRIPTION
1001	14" ANODIZED ALUMINUM CHANNEL LETTERING

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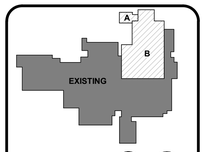
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RWA
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BEAM
T 972-233-1323

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DRAWING HISTORY

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BUILDING NUMBER

EXTERIOR ELEVATIONS

A-501

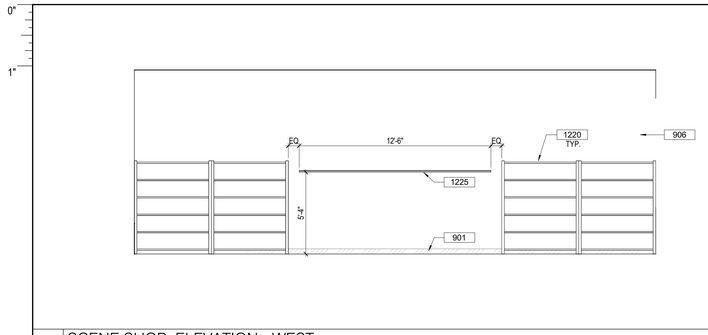
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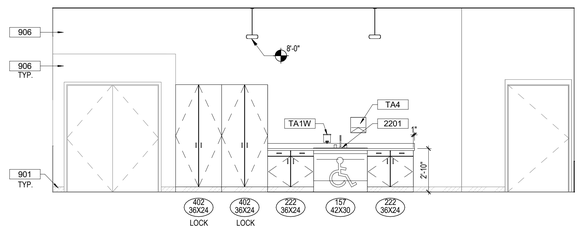
INTERIOR ELEVATIONS

A-521

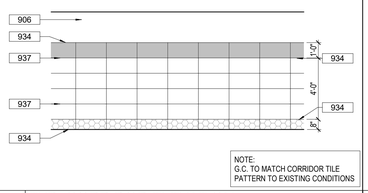
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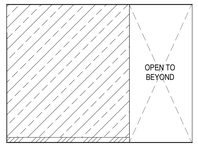
30 SCENE SHOP ELEVATION - WEST
1/4" = 1'-0"



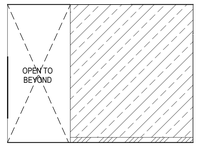
28 SCENE SHOP ELEVATION - EAST
1/4" = 1'-0"



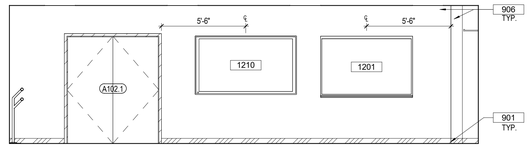
24 TYP. CORRIDOR ELEVATION
1/4" = 1'-0"



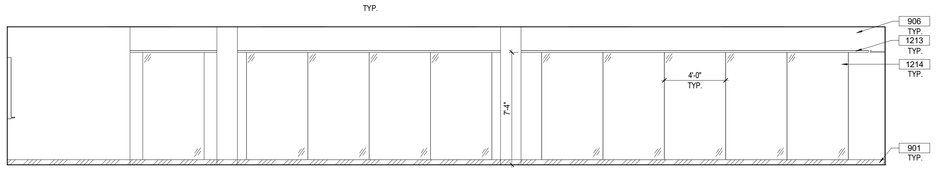
23 GIRL'S DRESSING ROOM ELEVATION - WEST
1/4" = 1'-0"



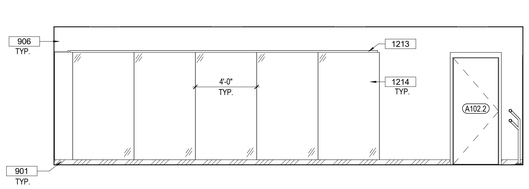
22 BOY'S DRESSING ROOM ELEVATION - EAST
1/4" = 1'-0"



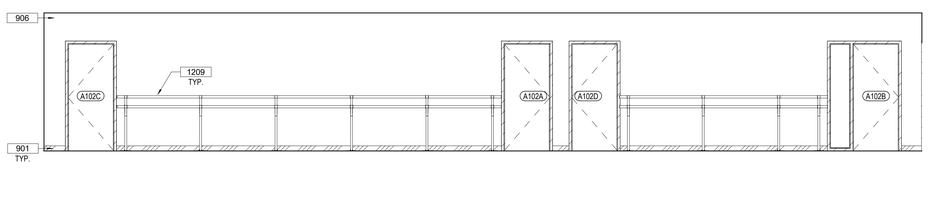
21 DANCE ELEVATION - EAST
1/4" = 1'-0"



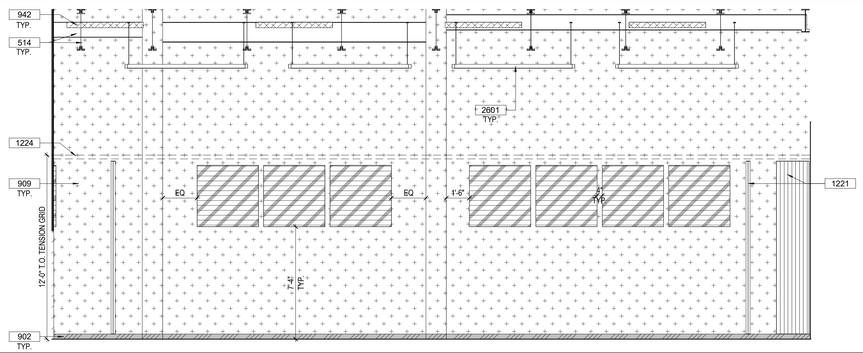
18 DANCE ELEVATION - SOUTH
1/4" = 1'-0"



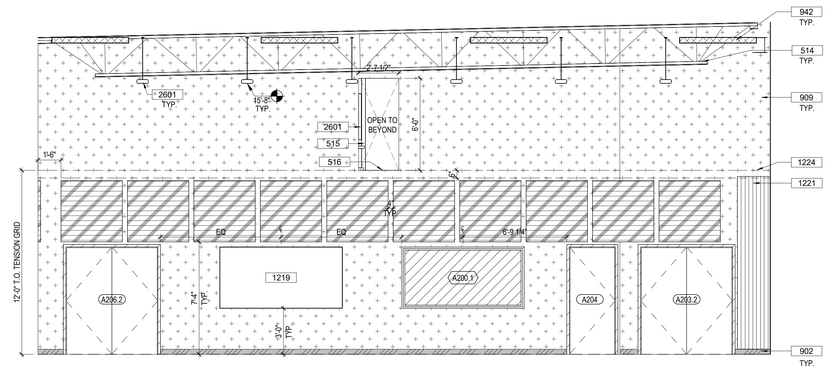
15 DANCE ELEVATION - WEST
1/4" = 1'-0"



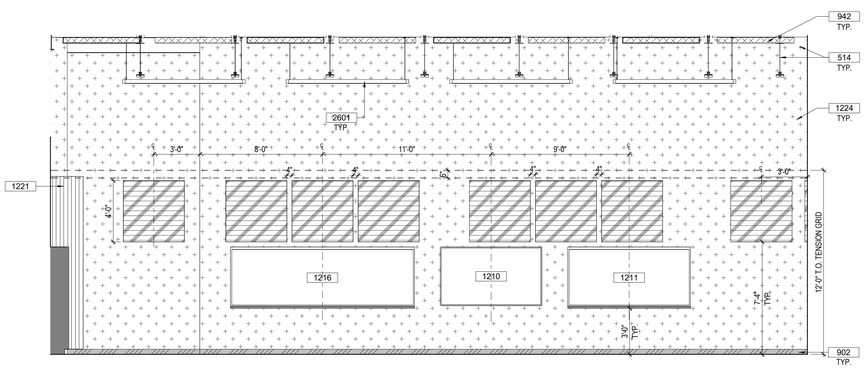
12 DANCE ELEVATION - NORTH
1/4" = 1'-0"



09 BLACK BOX ELEVATION - SOUTH
1/4" = 1'-0"



06 BLACK BOX ELEVATION - EAST
1/4" = 1'-0"



03 BLACK BOX ELEVATION - NORTH
1/4" = 1'-0"

INTERIOR ELEV. FINISH LEGEND

RB-1 RUBBER BASE *RE: FINISH SCHEDULE*	**RB-2** RUBBER BASE *RE: FINISH SCHEDULE*
CCB-1 CERAMIC COVE BASE *RE: FINISH SCHEDULE*	**CCB-2** CERAMIC COVE BASE *RE: FINISH SCHEDULE*
PT-1 PAINT *RE: FINISH SCHEDULE*	**PT-2** PAINT *RE: FINISH SCHEDULE*
PT-3 PAINT *RE: FINISH SCHEDULE*	**PT-4** PAINT *RE: FINISH SCHEDULE*
PT-5 PAINT *RE: FINISH SCHEDULE*	**PT-6** PAINT *RE: FINISH SCHEDULE*
PT-7 PAINT *RE: FINISH SCHEDULE*	**PT-8** PAINT *RE: FINISH SCHEDULE*
CWT-1 CERAMIC WALL TILE *RE: FINISH SCHEDULE*	**CWT-2** CERAMIC WALL TILE *RE: FINISH SCHEDULE*
PWT-1 PORCELAIN WALL TILE *RE: FINISH SCHEDULE*	**AWC-1** ACOUSTIC WALL COVERING *RE: FINISH SCHEDULE*
PWT-2 PORCELAIN WALL TILE *RE: FINISH SCHEDULE*	**AWP-1** ACOUSTIC WALL PANEL *RE: FINISH SCHEDULE*
PWT-3 PORCELAIN WALL TILE *RE: FINISH SCHEDULE*	**PL-3** HIGH PRESSURE LAMINATE *RE: FINISH SCHEDULE*

KEYNOTE LEGEND

NUMBER	DESCRIPTION
514	STRUCTURAL MEMBER, RE: STRUCTURAL
515	WALL MOUNTED STAINLESS STEEL LADDER
516	METAL CATWALK
901	RUBBER BASE [RB-1]
902	RUBBER BASE [RB-2]
906	PAINT [PT-2]
909	PAINT [PT-5]
934	METAL TRIM
937	GROUT [GT-02]
942	TECTUM CEILING PANEL, ATTACHED TO B.O. DECK [TCP-01]
1201	6' MARKERBOARD
1209	PORTABLE BALLET BARRES, O.F.O.I.
1210	DIGITAL DISPLAY, O.F.C.I.
1211	8' MARKERBOARD
1213	TROPHY SHELVES (ABOVE MIRROR)
1214	6'H FULL WALL MIRRORS
1216	12' MARKERBOARD
1219	8' TACKBOARD
1220	HEAVY DUTY METAL SHELVING, O.F.O.I.
1221	STAGE CURTAINS WITH TRACK
1224	WIRE TENSION GRID
1225	STORAGE RACK (WALL MOUNTED)
2201	SINK, ACCESSIBLE, REFER TO PLUMBING
2601	LIGHTING FIXTURE, REFER TO ELECTRICAL
TA1W	SOAP DISPENSER, WALL-MOUNTED, TYP.
TA4	PAPER TOWEL DISPENSER, O.F.O.I., TYP.

PBK

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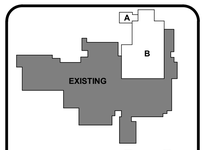
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BUILDING NUMBER

INTERIOR ELEVATIONS

A-521

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INTERIOR ELEVATIONS

A-522

FOR BLUEBEAM LABELING/OCR:

0"

1"

TOILET ACCESSORIES

LABEL	DESCRIPTION	NOTES
TA1C	SOAP DISPENSER, COUNTER-MOUNTED, TYPICAL	
TA1W	SOAP DISPENSER, WALL-MOUNTED, TYPICAL	
TA2	LAVATORY MIRROR, TYPICAL	NOTE 5
TA2F	FULL-LENGTH MIRROR	
TA3	TOILET PAPER DISPENSER, TYPICAL	
TA4	PAPER TOWEL DISPENSER, TYPICAL	
TA5	GRAB BARS, AT TYPICAL WHEELCHAIR ACCESSIBLE WATERCLOSET, TYPICAL	
TA6	SANITARY NAPKIN/TAMPON VENDOR, TYPICAL	
TA7	SANITARY NAPKIN DISPOSAL, TYPICAL	
TA8	SHELF WITH MOP AND BROOM HOLDERS AND HOOKS, TYPICAL	
TA9	GRAB BARS, ACCESSIBLE SHOWER, TYPICAL	
TA10A	FOLDING BENCH, ADULT HEIGHT	
TA10C	FOLDING BENCH, CHILD HEIGHT	
TA11	CLOTHING HOOK, TYPICAL	NOTE 6
TA12	SHOWER CURTAINS, RODS AND HOOKS, TYPICAL	
TA13	ELECTRIC HAND DRYER, TYPICAL	
TA14	PAPER TOWEL DISPENSER/WASTE RECEPTACLE, TYPICAL	
TA15	GRAB BARS, AT AMBULATORY ACCESSIBLE WATERCLOSET	
TA16C	CHILD CHANGING STATION	
TA16A	ADULT CHANGING STATION	
TA17R	TRASH RECEPTACLE, RECESSED	
TA17U	TRASH RECEPTACLE, UNDERCOUNTER	
TA18	VERTICAL GRAB BAR (AT ACCESSIBLE ICC A117.1 TOILETS)	
TA19	WATERCLOSET COVER DISPENSER	
TA20	FOLDING UTILITY SHELF	

NOTES:

1. ALL TOILET ACCESSORIES SHALL BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED U.N.O.
2. COORDINATE FINAL LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
3. VERIFY ALL HEIGHTS OF ACCESSORIES TO COMPLY WITH ALL APPLICABLE ACCESSIBILITY REQUIREMENTS.
4. REFER TO ALL FINISHES AND COLORS IN FINISH SCHEDULE, VERIFY ALL PATTERNS WITH ARCHITECT.
5. ALIGN MIRROR ON CENTER OF LAVATORY.
6. ONE (1) HOOK SHALL BE INSTALLED INSIDE DOOR AT EACH TOILET PARTITION. ONE HOOK INSIDE DOOR AT SINGLE TOILET ROOMS AND ONE HOOK AT EACH SHOWER.

KEYNOTE LEGEND

NUMBER	DESCRIPTION
106	EXISTING GUARDRAIL / HANDRAIL TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
504	METAL PAN STAIRWAY. CONCRETE FILLED, RE: STRUCTURAL
510	WALL MOUNTED HANDRAIL
903	CERAMIC COVE BASE [CCB-1]
904	CERAMIC COVE BASE [CCB-2]
912	CERAMIC WALL TILE [CWT-1]
913	CERAMIC WALL TILE [CWT-2]
934	METAL TRIM
TA1W	SOAP DISPENSER, WALL-MOUNTED, TYP.
TA2	LAVATORY MIRROR, TYP.
TA3	TOILET PAPER DISPENSER, TYP.
TA4	PAPER TOWEL DISPENSER, O.F.O.I., TYP.
TA5	GRAB BARS, AT TYPICAL WHEELCHAIR ACCESSIBLE WATERCLOSET, TYP.
TA7	SANITARY NAPKIN DISPOSAL, TYP.

INTERIOR ELEV. FINISH LEGEND

RB-1
RUBBER BASE
RE: FINISH SCHEDULE

RB-2
RUBBER BASE
RE: FINISH SCHEDULE

CCB-1
CERAMIC COVE BASE
RE: FINISH SCHEDULE

CCB-2
CERAMIC COVE BASE
RE: FINISH SCHEDULE

PT-1
PAINT
RE: FINISH SCHEDULE

PT-2
PAINT
RE: FINISH SCHEDULE

PT-3
PAINT
RE: FINISH SCHEDULE

PT-4
PAINT
RE: FINISH SCHEDULE

PT-5
PAINT
RE: FINISH SCHEDULE

PT-6
PAINT
RE: FINISH SCHEDULE

PT-7
PAINT
RE: FINISH SCHEDULE

PT-8
PAINT
RE: FINISH SCHEDULE

CWT-1
CERAMIC WALL TILE
RE: FINISH SCHEDULE

CWT-2
CERAMIC WALL TILE
RE: FINISH SCHEDULE

PWT-1
PORCELAIN WALL TILE
RE: FINISH SCHEDULE

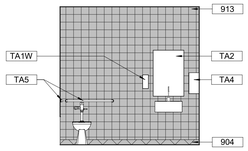
AWC-1
ACOUSTIC WALL COVERING
RE: FINISH SCHEDULE

PWT-2
PORCELAIN WALL TILE
RE: FINISH SCHEDULE

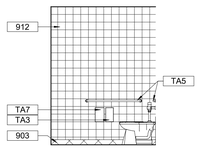
AWP-1
ACOUSTIC WALL PANEL
RE: FINISH SCHEDULE

PWT-3
PORCELAIN WALL TILE
RE: FINISH SCHEDULE

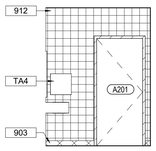
PL-3
HIGH PRESSURE LAMINATE
RE: FINISH SCHEDULE



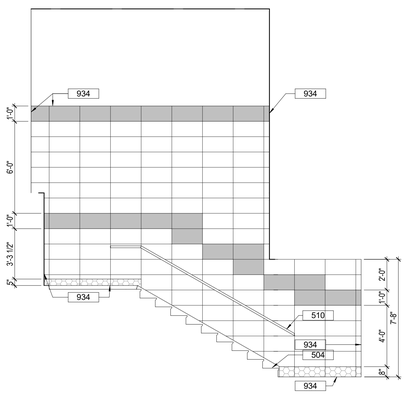
09 A201 RESTROOM ELEVATION - SOUTH
1/4" = 1'-0"



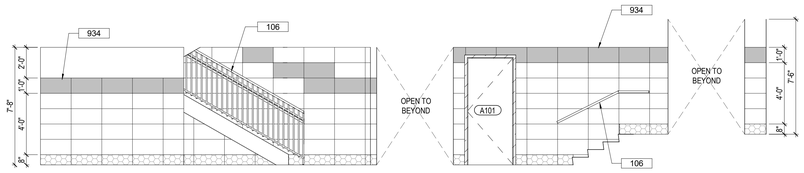
08 A201 RESTROOM ELEVATION - EAST
1/4" = 1'-0"



07 A201 RESTROOM ELEVATION - WEST
1/4" = 1'-0"



05 S01-1 STAIRS ELEVATION - EAST
1/4" = 1'-0"



03 A100 MAIN ENTRY ELEVATION - EAST
1/4" = 1'-0"

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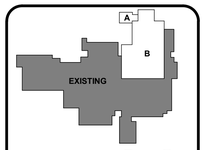
CIVIL
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STRUCTURAL
Charles Goger and Associates, Inc.
T 214-340-1199
MEP
MEYER GBB
T 214-217-9500
TECHNOLOGY
LEAF ENGINEERS
T 972-233-1323
ACOUSTIC
RSP
T 972-994-3700
BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
REGISTERED ARCHITECT
DANIEL S BERGER
26370
STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

INTERIOR ELEVATIONS

A-522

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David W. Carter High School Interior Renovations and Additions.rvt

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BUILDING SECTIONS & PARTIALS

A-601

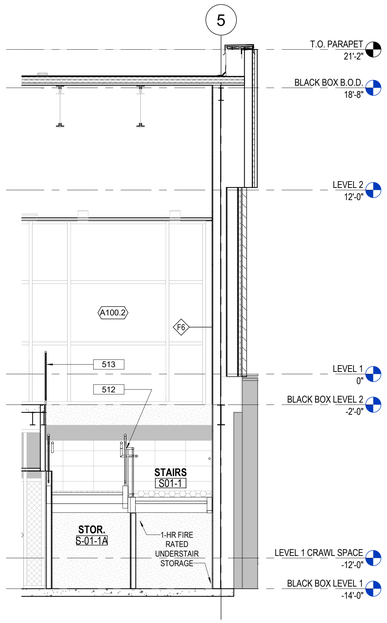
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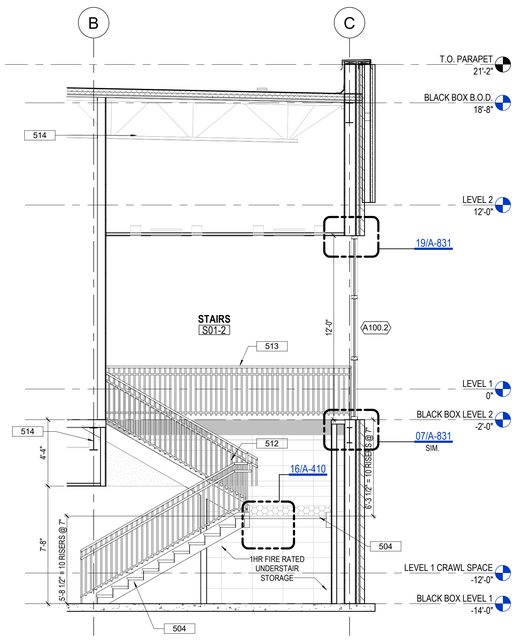
1"

KEYNOTE LEGEND

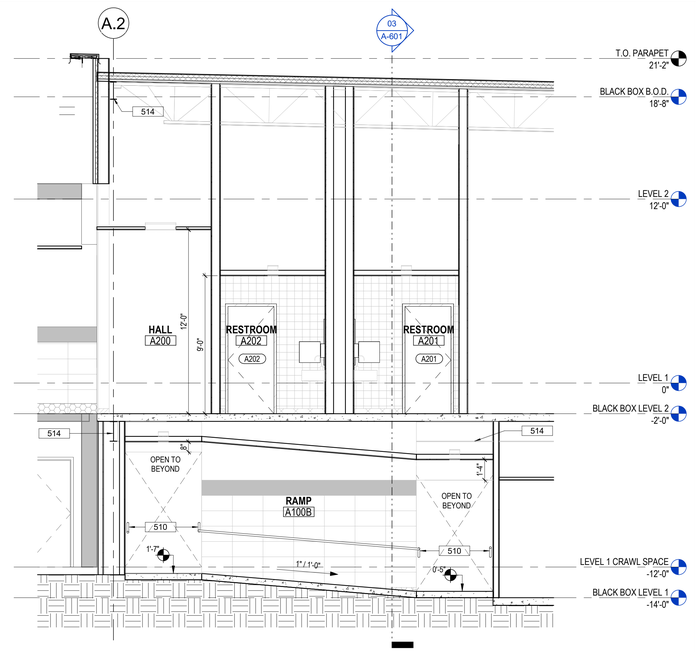
NUMBER	DESCRIPTION
501	SHIPS LADDER WITH PLATFORM. REFERENCE DETAIL 22, 23 / A-419
504	METAL PAN STAIRWAY, CONCRETE FILLED, RE: STRUCTURAL
510	WALL MOUNTED HANDRAIL
512	FLOOR MOUNTED STAINLESS STEEL GUARDRAIL WITH HANDRAIL
513	FLOOR MOUNTED GUARDRAIL
514	STRUCTURAL MEMBER, RE: STRUCTURAL
515	WALL MOUNTED STAINLESS STEEL LADDER
516	METAL CATWALK
802	ROOF HATCH ACCESS
1202	16' MARKERBOARD
1210	DIGITAL DISPLAY, O.F.C.I.
1221	STAGE CURTAINS WITH TRACK
2601	LIGHTING FIXTURE, REFER TO ELECTRICAL



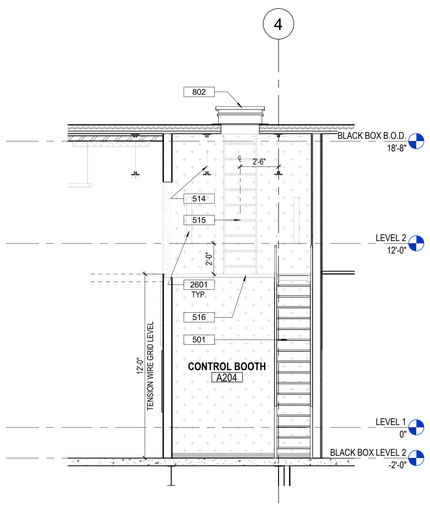
18 S01 STAIR SECTION - NORTH
1/4" = 1'-0"



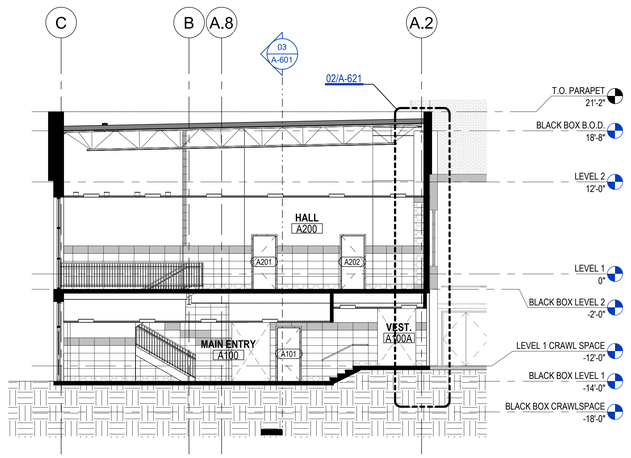
16 S01 STAIR SECTION - WEST
1/4" = 1'-0"



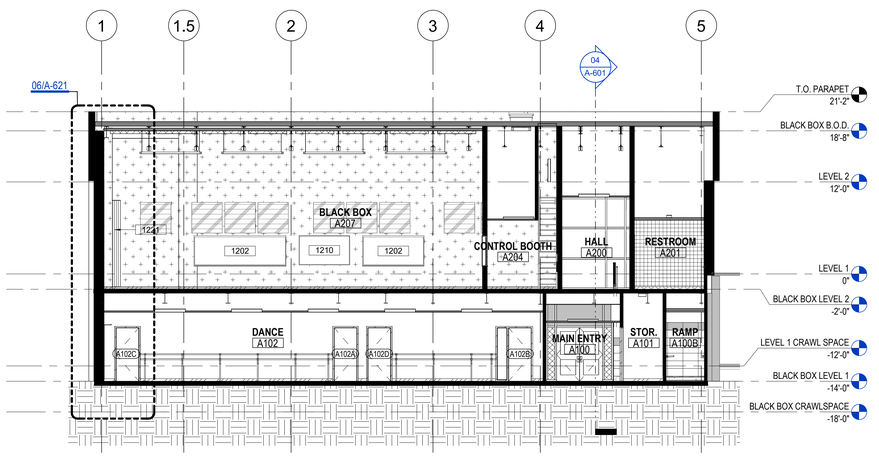
14 A100B RAMP SECTION - WEST
1/4" = 1'-0"



06 A204 SECTION - ROOF HATCH - NORTH
1/4" = 1'-0"



04 BUILDING SECTION 2 - BLACK BOX
1/8" = 1'-0"



NOTE:
G.C. TO FIELD VERIFY AND SURVEY EXISTING CONDITIONS AND LOCATIONS OF THEATRICAL ITEMS FOR REVIEW. COORDINATE LOCATION AND SIZING OF CEILING CLOUDS WITH ARCHITECTURAL AND ACOUSTICAL CONSULTANT PRIOR TO FABRICATION.

03 BUILDING SECTION - BLACK BOX
1/8" = 1'-0"

PBK

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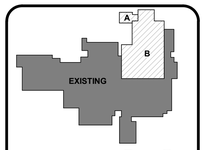
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Charles Goger and Associates, Inc.
T 214-340-1199
MEP
MEP CORE
T 214-217-9900
TECHNOLOGY
LEAF ENGINEERS
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ACOUSTIC
RWA
T 214-954-3700
BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT



CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

BUILDING SECTIONS & PARTIALS

A-601

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David W. Carter High School Interior Renovations and Additions.rvt

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Plot Stamp:
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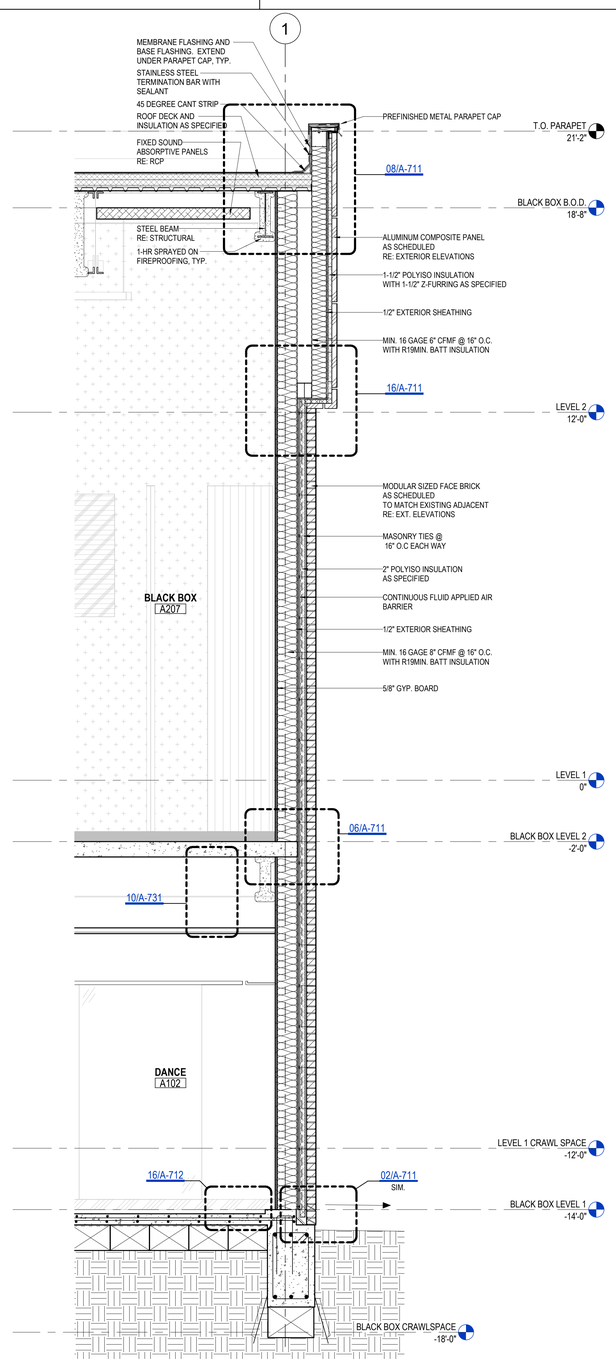
WALL SECTIONS

A-621

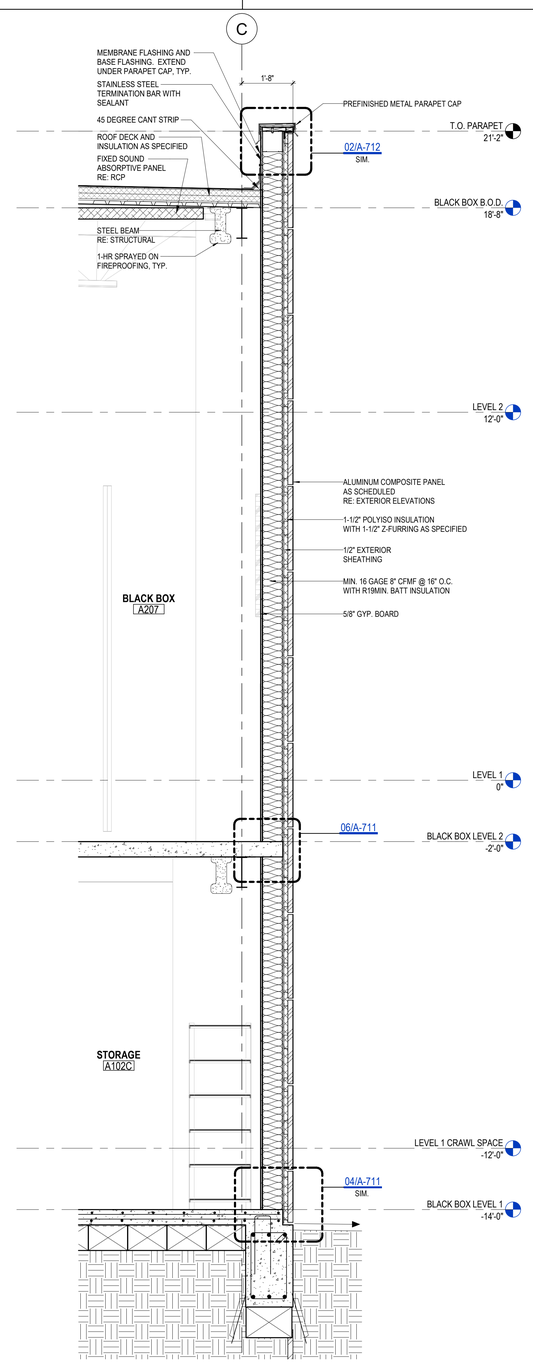
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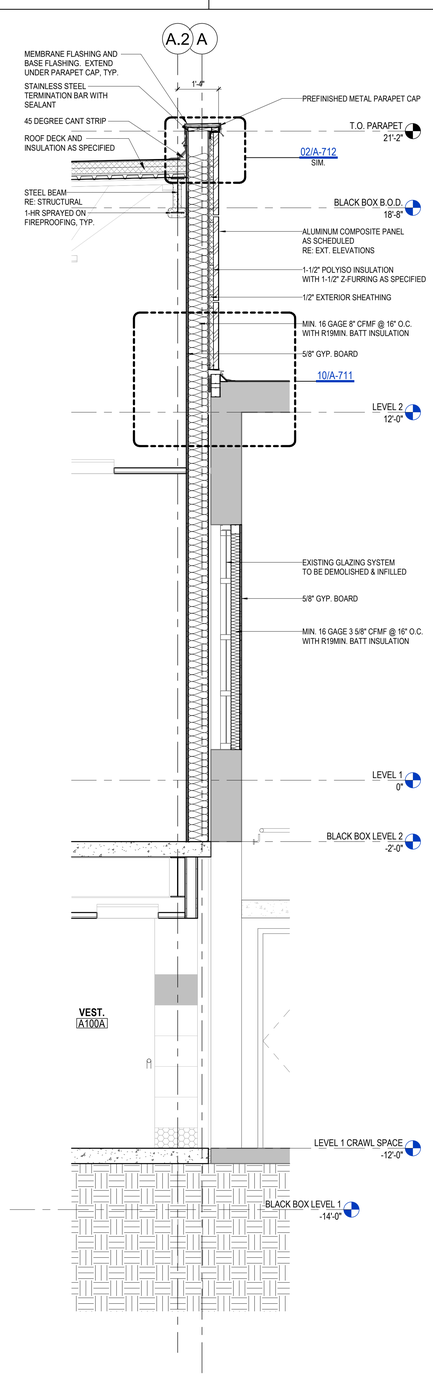
1"



06 SECTION 03
1/2" = 1'-0"



04 SECTION 02
1/2" = 1'-0"



02 SECTION 01
1/2" = 1'-0"

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David W. Carter High School Interior Renovations and Additions.rvt

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TX Firm: BR 1608

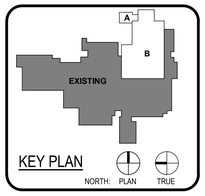
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T 214-340-1199
MEP
MEP1088
T 214-217-9900
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ACOUSTIC
Pinnacle
T 214-244-3700
BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
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KEY PLAN
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ARCHITECT



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DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

WALL SECTIONS

A-621

WALL SECTIONS

A-622

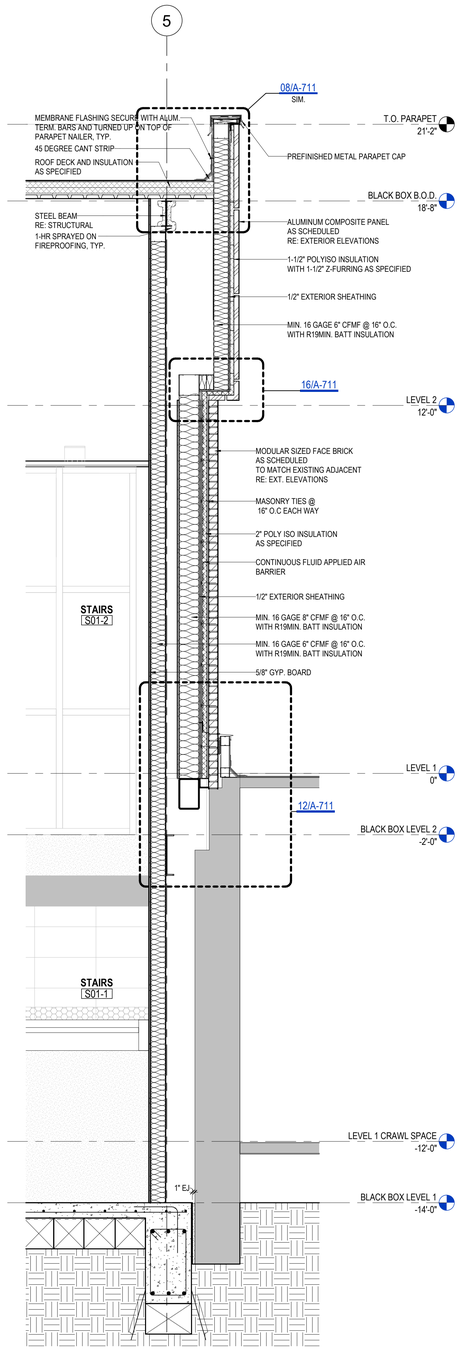
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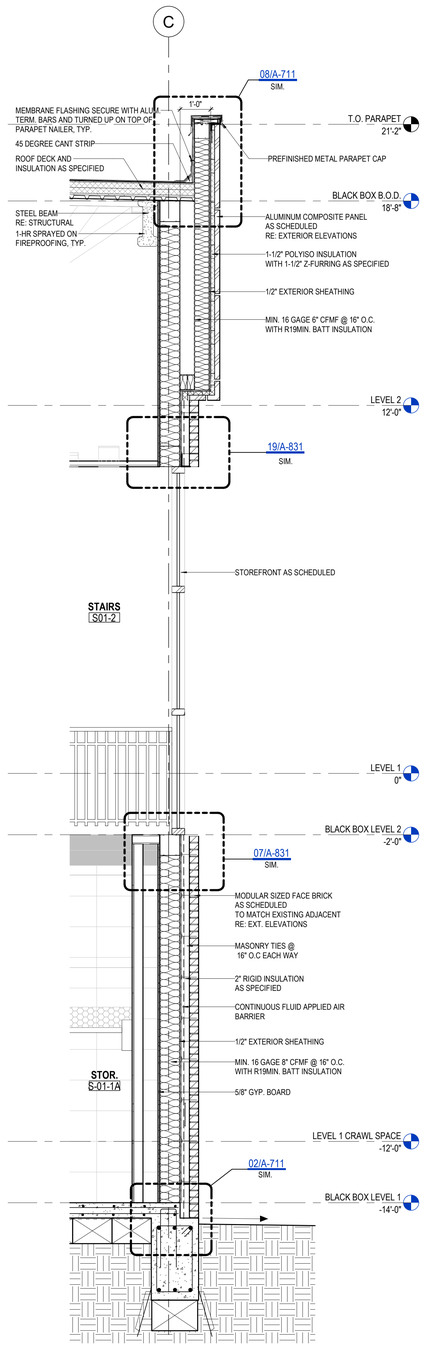
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KEYNOTE LEGEND

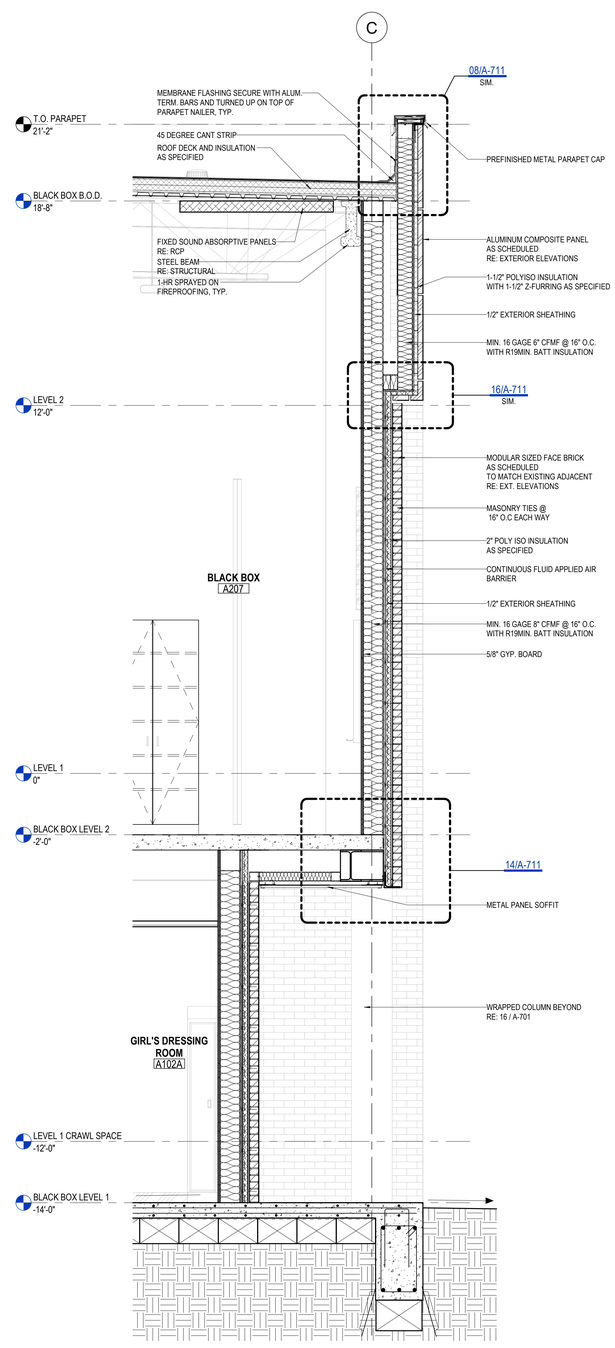
NUMBER	DESCRIPTION



06 Section 05
1/2" = 1'-0"



04 Section 06
1/2" = 1'-0"



02 Section 04
1/2" = 1'-0"

PBK

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PBK.com
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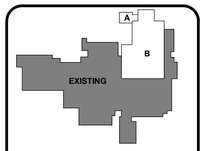
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Charles Goger and Associates, Inc.
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MEP
MEP/FP
T 214-217-9900
TECHNOLOGY
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ACOUSTIC
Pinnacle
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BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT



CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

WALL SECTIONS

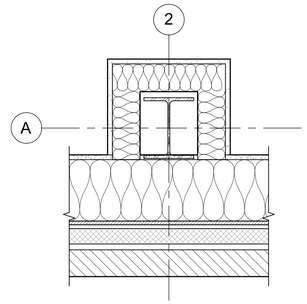
A-622

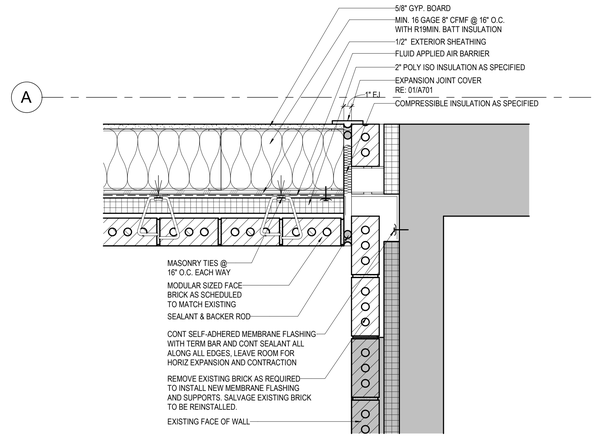
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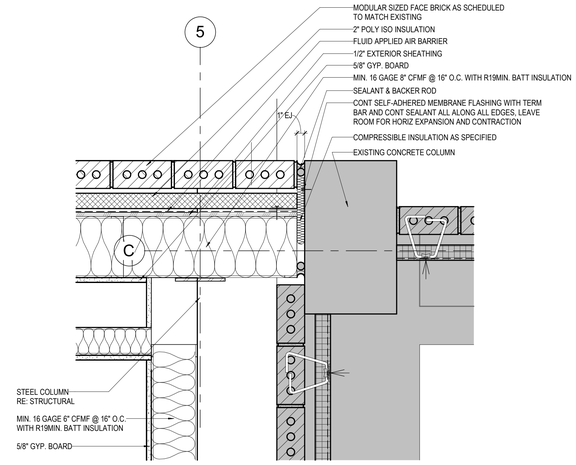
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DETAILS
A-701
FOR BLUEBEAM LABELING/OCR:

0"
1"



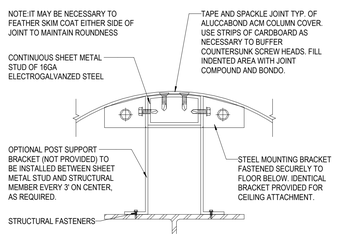




23 TYP. COLUMN FURRING
1 1/2" = 1'-0"

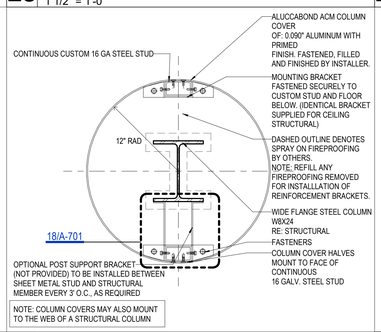
22 EXPANSION JOINT PLAN DETAIL @ EXISTING BRICK
1 1/2" = 1'-0"

20 EXPANSION JOINT PLAN DETAIL @ CONCRETE COLUMN
1 1/2" = 1'-0"



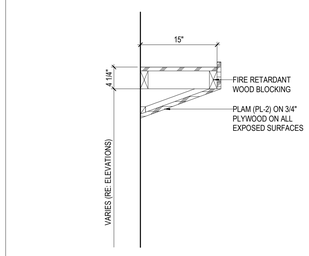
NOTE: THIS DETAIL IS TYPICAL OF MOST COLUMN COVER INSTALLATIONS, BUT MAY NOT REFLECT YOUR ACTUAL JOBSITE CONDITIONS

18 COLUMN WRAP JOINT PLAN DETAIL
N.T.S.

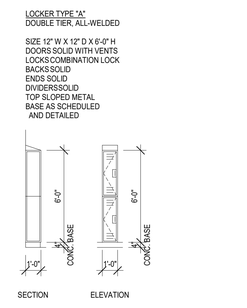


NOTE: COLUMN COVERS MAY ALSO MOUNT TO THE WEB OF A STRUCTURAL COLUMN

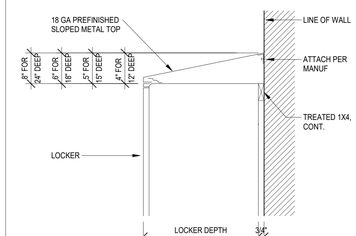
17 COLUMN WRAP PLAN DETAIL
1 1/2" = 1'-0"



15 TROPHY SHELF DETAIL
1" = 1'-0"



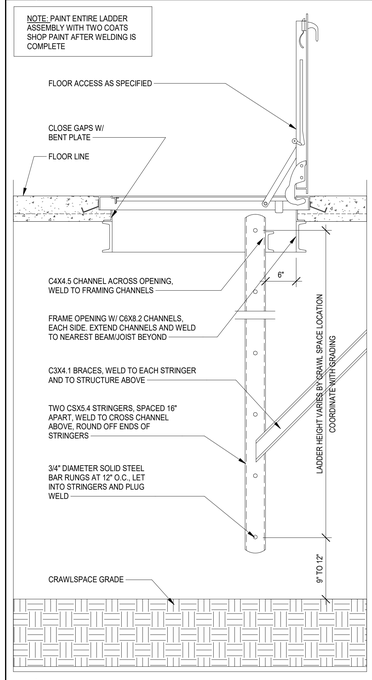
14 LOCKER TYPE "A"
1/4" = 1'-0"



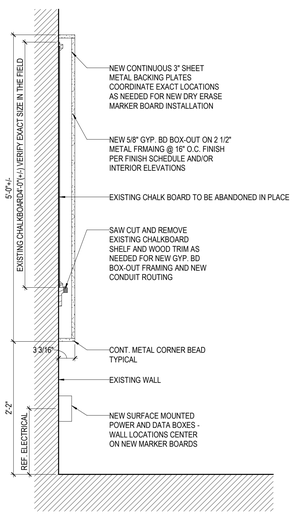
NOTE: REFER FLOOR PLANS FOR LOCKER TYPES, TYP

13 LOCKER TOP
1 1/2" = 1'-0"

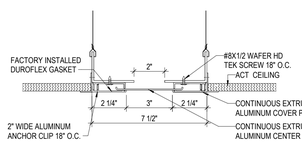
NOTE: PAINT ENTIRE LADDER ASSEMBLY WITH TWO COATS SHOP PAINT AFTER WELDING IS COMPLETE



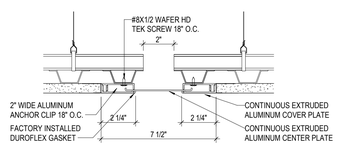
06 FLOOR HATCH AND CRAWL SPACE
1" = 1'-0"



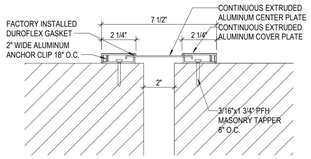
05 EXISTING CHALKBOARD BOX-OUT DETAIL
1" = 1'-0"



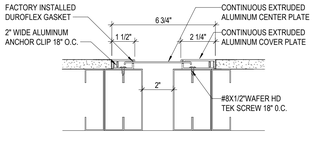
04 2" ACT CEILING E.J.
3" = 1'-0"



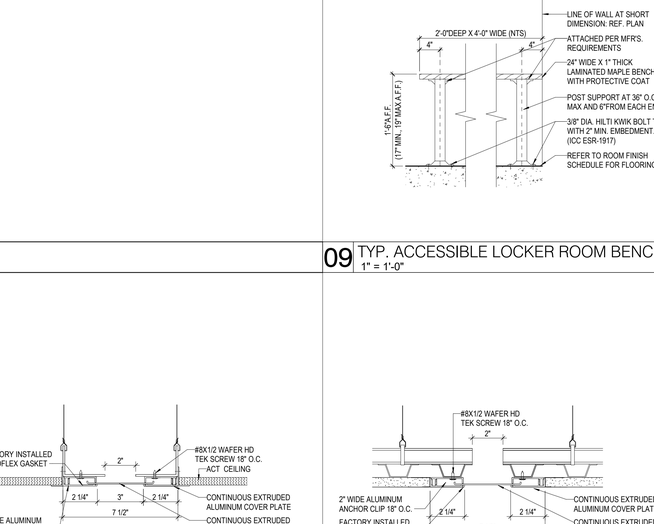
03 2" GYP. BOARD CEILING E.J.
3" = 1'-0"



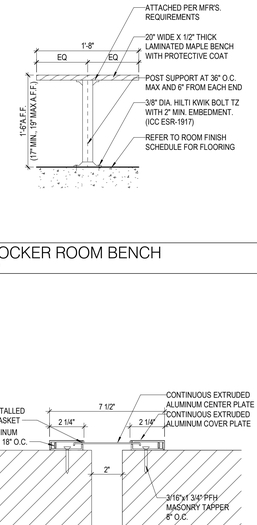
02 2" CMU WALL E.J.
3" = 1'-0"



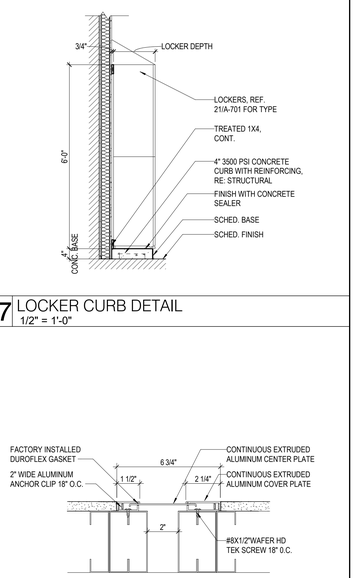
01 2" GYP. BOARD WALL E.J.
3" = 1'-0"



09 TYP. ACCESSIBLE LOCKER ROOM BENCH
1" = 1'-0"



08 TYP. LOCKER ROOM BENCH
1" = 1'-0"



07 LOCKER CURB DETAIL
1/2" = 1'-0"

PBK

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LEAF ENGINEERS
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RSDG
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BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
REGISTERED ARCHITECT
DANIEL S BENNETT
25370
STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

DETAILS

A-701

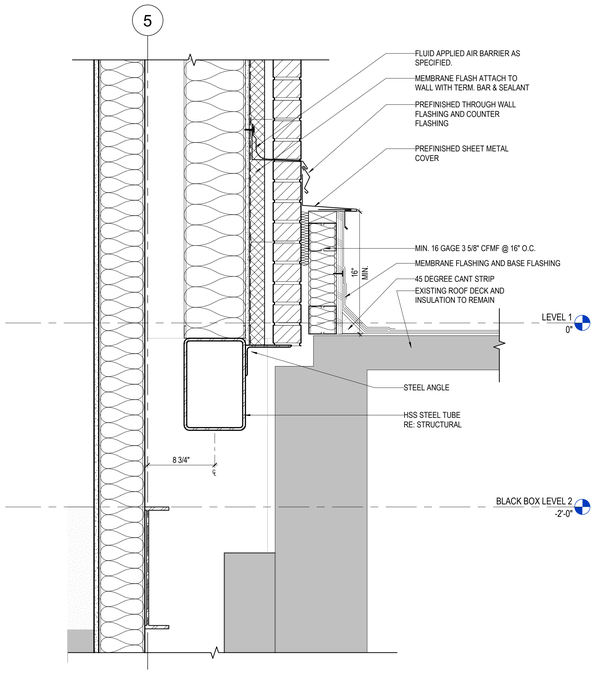
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CHECKED BY: Checker
DRAWN BY: Author
Plot Stamp: 10/28/2025 9:28:23 AM

WALL SECTIONS DETAILS

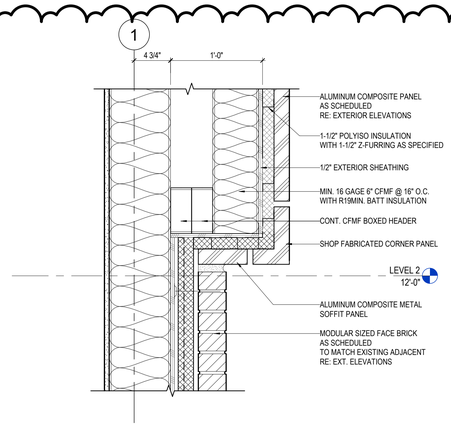
A-711

FOR BLUEBEAM LABELING/OCR:

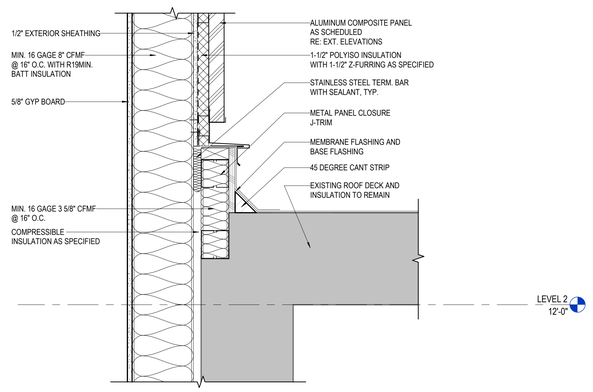
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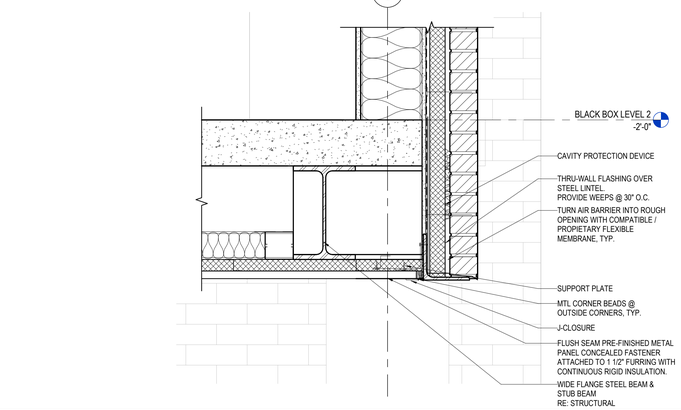
12 EXT. WALL MEETS EXISTING BRICK ROOF DETAIL
1 1/2" = 1'-0"



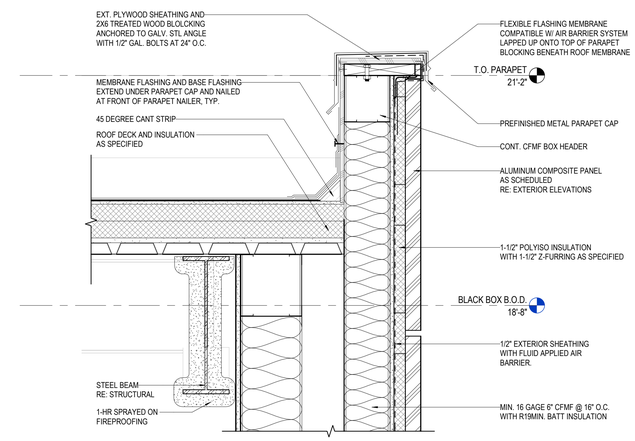
16 METAL PANEL FASCIA TO SOFFIT DETAIL
1 1/2" = 1'-0"



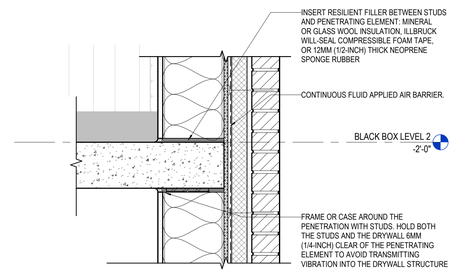
10 EXT. WALL MEETS EXISTING METAL PANEL ROOF DETAIL
1 1/2" = 1'-0"



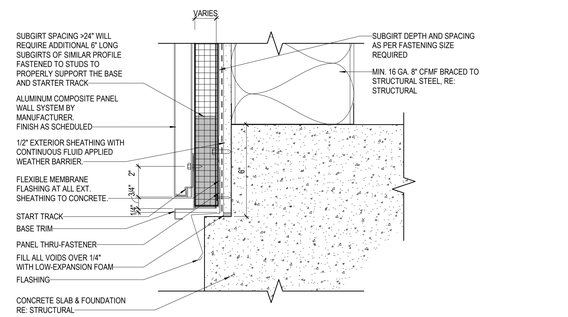
14 BRICK TO METAL PANEL SOFFIT DETAIL
1 1/2" = 1'-0"



08 METAL PANEL ON MTL STD PARAPET DETAIL
1 1/2" = 1'-0"

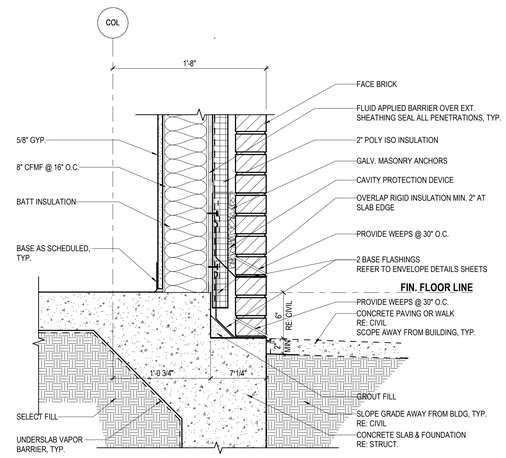


06 ACOUSTICAL SEALING OF PENETRATIONS THROUGH STUD PARTITIONS DETAIL
1 1/2" = 1'-0"



NOTE:
REFER TO MANUFACTURER FOR ADDITIONAL INSTALLATION NOTES/DETAILS

04 ENTRY METAL PANEL BASE DETAIL
3" = 1'-0"



NOTE: REFER TO ENVELOPE DETAILS ON SHEET A-323 FOR MORE INFORMATION.

02 BRICK LEDGE WITH TYP CFMF BACK UP (MODULAR)
1 1/2" = 1'-0"

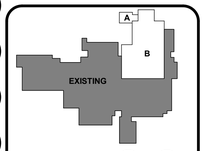
ARCHITECT PBK Architects, Inc.
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972-233-1373 F
TX Firm: BR 1608

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ACOUSTIC
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BEAN
T.972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232
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DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
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ARCHITECT
DANIEL S. BERGER
REGISTERED ARCHITECT
25370
STATE OF TEXAS
2025.08.25

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DATE	PROJECT NUMBER
2025.08.25	230050

DRAWING HISTORY

No.	Description	Date
1	DRYTEK REVISIONS	2025/11/20

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BUILDING NUMBER

WALL SECTIONS DETAILS

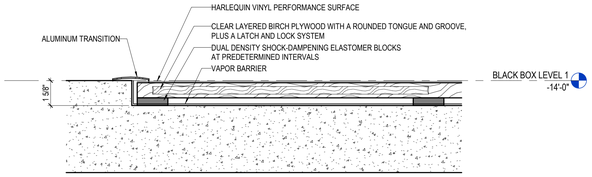
A-711

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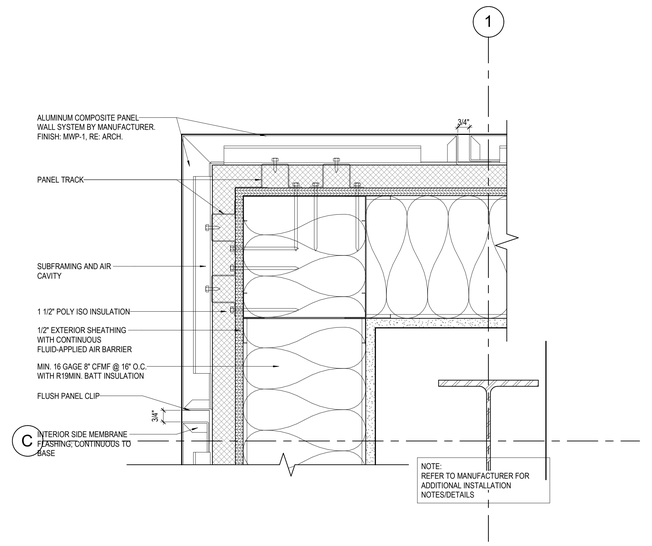
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DRAWN BY: Author
Plot Stamp: 11/24/2025 3:10:39 PM

0"
1"

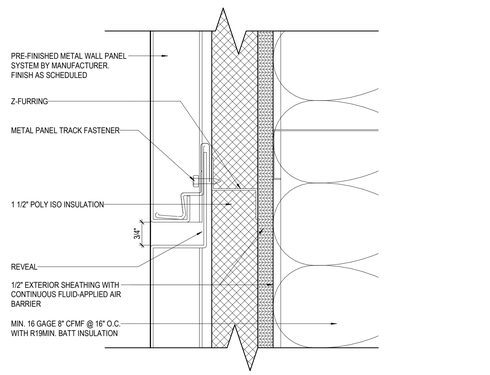
WALL SECTIONS DETAILS
A-712
FOR BLUEBEAM LABELING/OCR:



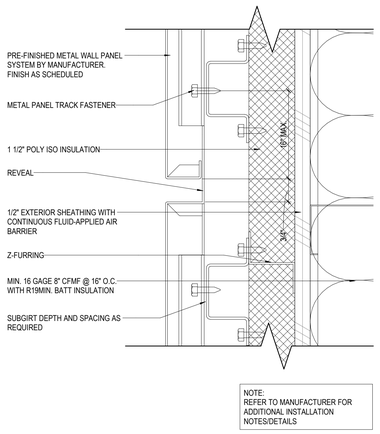
16 A102 DANCE ROOM - FLOOR SYSTEM DETAIL
3" = 1'-0"



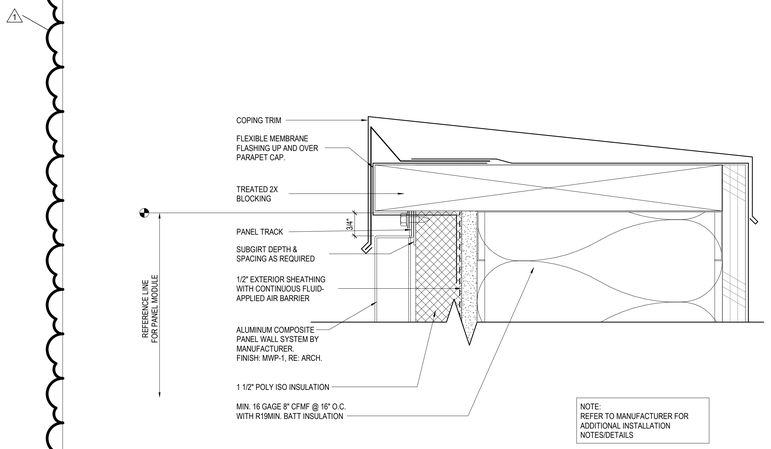
14 TYP. OUTSIDE CORNER DETAIL
3" = 1'-0"



06 TYP. HORIZONTAL JOINT DETAIL
6" = 1'-0"



04 TYP. VERTICAL JOINT DETAIL
6" = 1'-0"



02 PARAPET CAP HORIZONTAL APPLICATION
6" = 1'-0"

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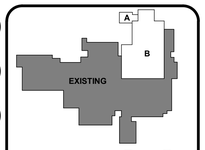
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MEI ENGR
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RWA
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BEAN
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DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
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ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
REGISTERED ARCHITECT
DANIEL S BERGER
25375
STATE OF TEXAS
2025.08.25

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DALLAS ISD

DATE	PROJECT NUMBER
2025.08.25	230050

DRAWING HISTORY

No.	Description	Date
1	DRYTEX REVISIONS	2025/11/20

ISSUED FOR PERMIT

BUILDING NUMBER

WALL SECTIONS DETAILS

A-712

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David Carter Black Box Addition.rvt
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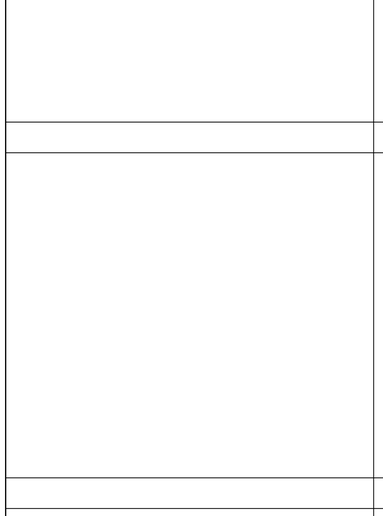
CEILING DETAILS

A-731

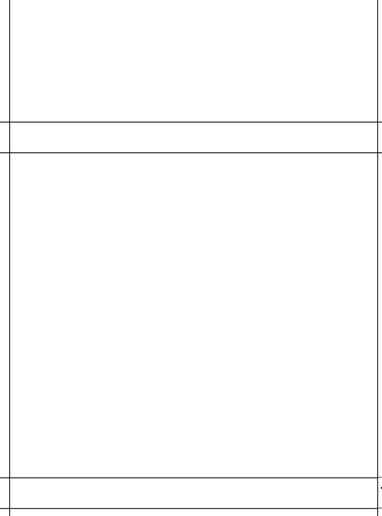
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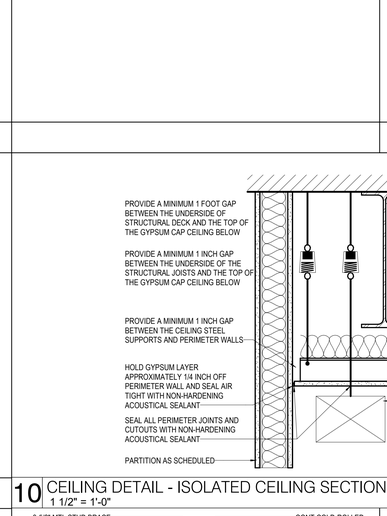
1"



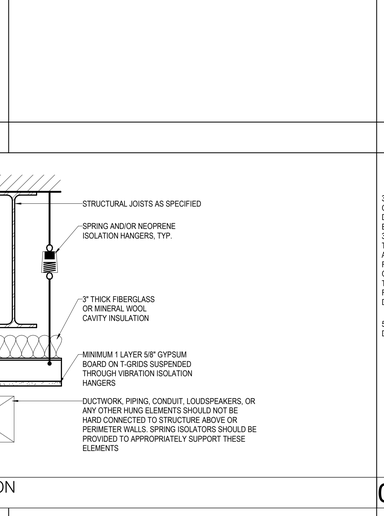
06 CEILING DETAIL
1 1/2" = 1'-0"



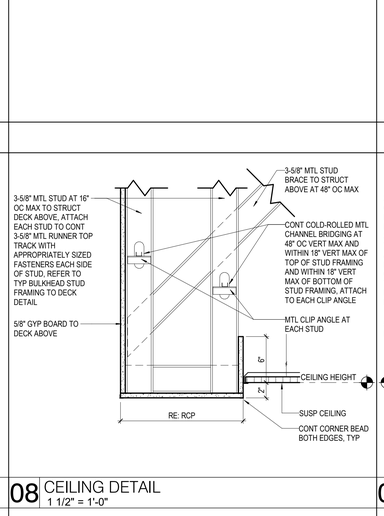
05 TYP BULKHEAD STUD FRAMING TO DECK
1 1/2" = 1'-0"



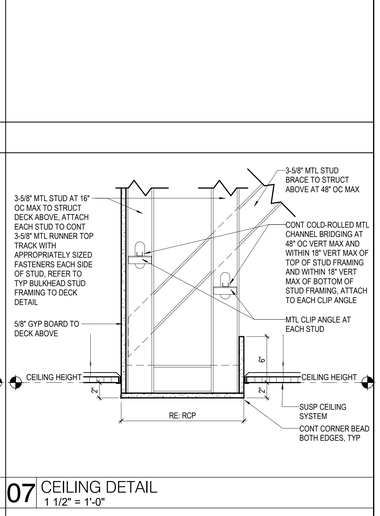
04 CEILING DETAIL
1 1/2" = 1'-0"



03 CEILING DETAIL
1 1/2" = 1'-0"



02 CEILING DETAIL
1 1/2" = 1'-0"



01 CEILING DETAIL
1 1/2" = 1'-0"

10 CEILING DETAIL - ISOLATED CEILING SECTION
1 1/2" = 1'-0"

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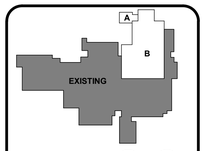
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DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
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DALLAS, TX 75232

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ARCHITECT
DANIEL S BERRY
REGISTERED ARCHITECT
26370
STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

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CEILING DETAILS

A-731

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DRAWN BY: Author
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PARTITION TYPES

A-301A

FOR BLUEBEAM LABELING/OCR:

0"

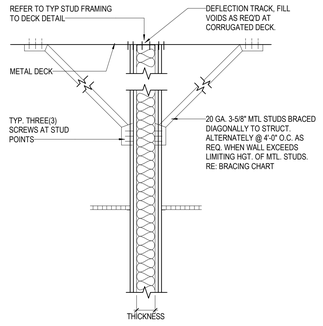
1"

BRACE FRAMING FOR 3 5/8" STUDS

STUD TYPE	STUD PROP.	SPACING	MAX. LENGTH	MISCELLANEOUS
SJ 20 (40 KSI) (20 GA.)	1X = 0.541 IN^4	4'-0" O.C.	14'-0"	BRACE AT MID-POINT FOR LENGTHS OVER 14'-0"
	rx = 1.429 IN			
	A = 0.2136 IN^2			
	Sx = 0.273 IN^3			

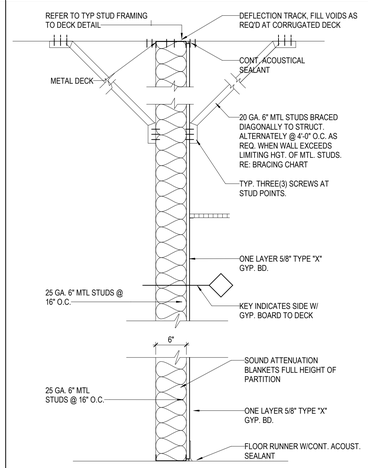
BRACE FRAMING FOR 6" STUDS

STUD TYPE	STUD PROP.	SPACING	MAX. LENGTH	MISCELLANEOUS
SJ 20 (40 KSI) (20 GA.)	1X = 1.787 IN^4	4'-0" O.C.	20'-0"	BRACE AT MID-POINT FOR LENGTHS OVER 20'-0"
	rx = 2.253 IN			
	A = 0.2148 IN^2			
	Sx = 0.539 IN^3			



TYPE	THICKNESS	FIRE RAT'G	DESCRIPTION	STC	UL
S3.2	3 5/8"	2 HR	3-5/8" METAL STUDS TO DECK	53	
S6.2	6"	2 HR	6" METAL STUDS TO DECK	58	

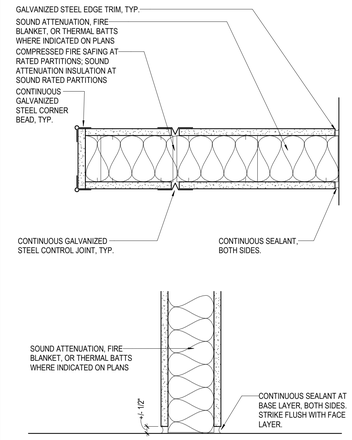
16 PARTITION TYPE S6.2
N.T.S.



TYPE	FIRE RAT'G	DESCRIPTION
F6	NONE	6" METAL STUDS TO DECK

15 PARTITION TYPE F6
1" = 1'-0"

20 PARTITION TYPES-BRACING CHART
12" = 1'-0"



14 PARTITION TYPES-TYP DETAILS
12" = 1'-0"

HOW TO USE THIS SHEET

1. NOT EVERY PARTITION TYPE SHOWN IS NECESSARILY INTENDED FOR USE ON THIS PROJECT. REFER TO FLOOR PLANS FOR REFERENCE MARKS INDICATING APPLICABLE PARTITION TYPES.
2. REFER TO BRACING DETAILS FOR SUPPORT OF THE TOP OF EACH PARTITION TYPE AND BRACING OF PARTITIONS THAT EXCEED LIMITING HEIGHT OF PARTITION TYPES.
3. REFER TO FINISH SCHEDULES FOR APPLIED FINISHES TO BOTH SIDES OF WALLS.
4. COORDINATE TOPS OF FINISHED WALLS WITH ADJACENT CEILING HEIGHTS PER SCHEDULES, SECTIONS AND OR DETAILS.
5. CONSULT ARCH. FOR ANY DISCREPANCIES OR QUESTIONS REGARDING PARTITIONS PRIOR TO INSTALLATION.

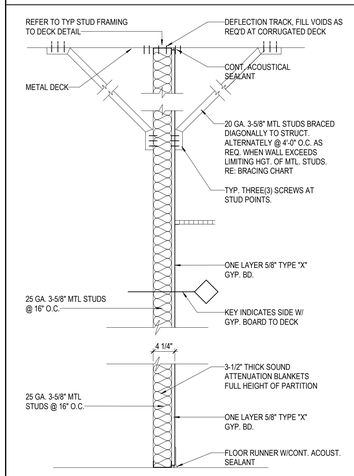
INTERIOR METAL STUD PARTITION NOTES

1. ALL METAL STUD PARTITIONS SHALL BE 25 GAUGE METAL STUDS AT 16" O.C. U.N.O., IF THE LIMITING HEIGHT FOR A 25 GAUGE METAL STUD PARTITION IS EXCEEDED, INCREASE GAUGE OF STUDS. NOTIFY ARCH. PRIOR TO INSTALLATION.
2. PROVIDE 20 GAUGE METAL STUDS, IN LIEU OF 25 GAUGE METAL STUDS, AT STUD WALL WITH TILE FINISHES.
3. METAL STUD PARTITION BRACING
   A. WHERE BRACING METHODS BETWEEN THIS SHEET AND STRUCT. CONFLICT, STRUCT. SHALL OVERRIDE, NOTIFY ARCH. PRIOR TO INSTALLATION
   B. PROVIDE INTERMEDIATE BRACING AT ALL METAL STUD PARTITIONS THAT EXCEED THE VERTICAL LIMIT HEIGHT OF METAL STUDS
   C. ALL BRACING SHALL BE AT STUD POINTS
4. SET ALL FLOOR TRACKS ON A CONTINUOUS RIBBON OF SEALANT.
5. USE CONT. DEEP LEG DEFLECTION TRACK AT TOP OF ALL PARTITION CONNECTIONS AT TOP-OF-DECK LOCATIONS, REFER TO "TYP STUD FRAMING TO DECK" DETAIL.
6. PROVIDE GLASS MAT GYPSUM SHEATHING BOARDS FULL HEIGHT AT ALL PARTITIONS AT SHOWERS, ADJACENT TO ALL PLUMBING FIXTURES, AND AT ALL PARTITIONS WITH TILE FINISHES.
7. PROVIDE TILE BACKER BOARDS FULL HEIGHT AT ALL PARTITIONS NOT AT SHOWERS, NOT ADJACENT TO PLUMBING FIXTURES, AND WITHOUT TILE FINISHES IN ALL TOILET ROOMS.
8. RIGIDLY BRACE ALL DOOR FRAMES AT THE HEAD, HINGE, AND STRIKE SIDES, RIGIDLY BRACE ALL WINDOW FRAMES AT THE HEAD, JAMBS, AND SILL.
9. LOCATE CONTROL JOINTS IN GYPSUM BOARD PARTITIONS AS FOLLOWS
   A. PARTITIONS OR FURRING EXCEEDING 30'-0" SPANS HORIZ. AND OR VERT.
   B. WHERE A PARTITION ABUTS A STRUCTURAL ELEMENT OR DISSIMILAR WALL
   C. AT CHANGES WITHIN PLANE OF PARTITION
   D. AT EXPANSION JOINTS
   E. AT BOTH JAMBS OF INTERIOR AND EXTERIOR DOOR FRAMES AND WINDOW FRAMES, ABOVE AND BELOW FOR FULL HEIGHT OF WALL
10. FIRE-RATED PARTITIONS
    A. REFER TO THE UL FIRE RESISTANCE DIRECTORY FOR DETAILED DESCRIPTIONS OF FIRE-RATED PARTITIONS
    B. PROVIDE TYPE "X" FIRE RESISTIVE GYPSUM BOARD, 5/8" THICK U.N.O.
    C. FILL ALL GAPS AND DECK VOIDS WITH CONT. FIRESAFING INSUL.
    D. SEAL BOTTOM OF PARTITION ON BOTH SIDES, PARTITION PERIMETER, AND ALL PENETRATIONS WITH CONT. FIRE-RATED SEALANT
11. PARTITIONS WITH SOUND ATTENUATION BATT INSUL. BLANKETS
    A. PROVIDE FULL THICK SOUND ATTENUATION BATT INSUL, BLANKETS FULL HEIGHT OF PARTITION U.N.O.
    B. FILL ALL GAPS AND DECK VOIDS WITH CONT. SOUND ATTENUATION SAFING INSUL.
    C. TAPE AND BED OR CAULK ALL JOINTS BETWEEN GYPSUM BOARD PANELS
    D. SEAL BOTTOM OF PARTITION ON BOTH SIDES. PARTITION PERIMETER, AND ALL PENETRATIONS WITH CONT. ACOUSTICAL SEALANT (USE SEALANT INDICATED IN ITEM ABOVE, IN LIEU OF ACOUSTICAL SEALANT, AT PARTITIONS DESIGNATED AS FIRE-RATED PARTITIONS)

INTERIOR CMU PARTITION NOTES

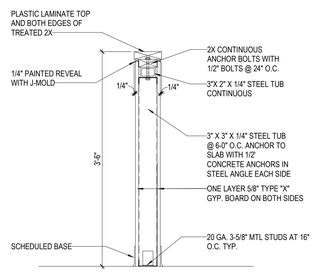
1. CMU PARTITION BRACING
   A. WHERE BRACING METHODS BETWEEN THIS SHEET AND STRUCT. CONFLICT, STRUCT. SHALL OVERRIDE, NOTIFY ARCH. PRIOR TO INSTALLATION.
   B. PROVIDE INTERMEDIATE BRACING AT ALL CMU PARTITIONS AT CONDITIONS AS INDICATED ON THE "PARTITION TYPES-TYP CMU WALL BRACING" DETAIL.
2. REFER TO WALL SECTIONS FOR THE USE OF STARTER COURSES AT THE BASE OF INTERIOR PARTITIONS.
3. PROVIDE CMU LINTELS FOR ALL OPENINGS IN INTERIOR CMU PARTITIONS, COORD. WITH STRUCT. DOCUMENTS.
4. PROVIDE 3/4" SPACE BETWEEN TOP OF CMU PARTITION AND STRUCTURE AND OR DECK ABOVE FOR POTENTIAL DEFLECTION, SEAL AS INDICATED ON PARTITION TYPE, OR AS INDICATED IN THESE NOTES.
5. REFER TO STRUCT. DOCUMENTS FOR ALL REINFORCING, BOND BEAM LOCATIONS, AND LINTEL SCHEDULES.
6. LOCATE CONTROL JOINTS IN CMU PARTITIONS AS FOLLOWS, U.N.O. BY STRUCT.
   A. PARTITIONS EXCEEDING 25'-0" IN PLAN LENGTH
   B. WHERE PARTITION ABUTS A STRUCTURAL ELEMENT OF DISSIMILAR WALL
   C. AT EXPANSION JOINTS
   D. REFER TO DETAILS FOR ADDITIONAL LOCATIONS
7. FIRE-RATED PARTITIONS
   A. REFER TO THE UL FIRE RESISTANCE DIRECTORY FOR DETAILED DESCRIPTIONS OF FIRE-RATED PARTITIONS
   B. FILL ALL GAPS AND DECK VOIDS WITH CONT. FIRESAFING INSUL.
   C. SEAL FIRE-RATED PARTITION PERIMETER AND ALL PENETRATIONS WITH CONT. FIRE-RATED SEALANT

01 PARTITION TYPES-TYP NOTES
12" = 1'-0"



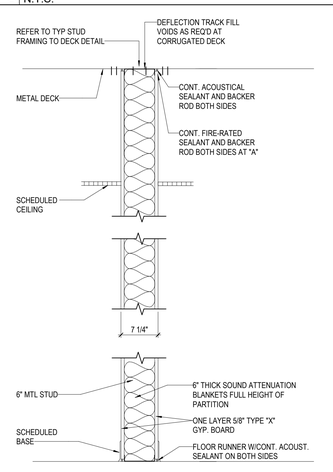
TYPE	FIRE RAT'G	DESCRIPTION
F3	NONE	3-5/8" METAL STUDS TO DECK
F3A	NONE	3-5/8" METAL STUDS TO DECK, 5/8" IMPACT RESISTANT GYP. BD.

06 PARTITION TYPE F3
1" = 1'-0"



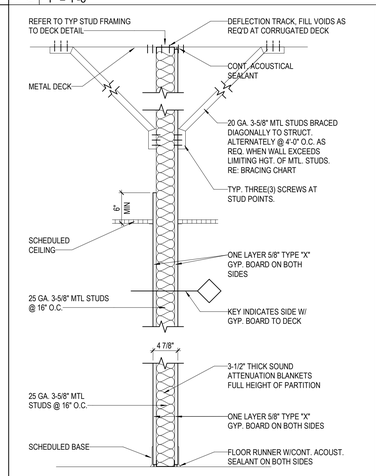
TYPE	FIRE RAT'G	DESCRIPTION
S16	NONE	3-5/8" MTL STUD PARTIAL HEIGHT WITH PLAM CAP

05 PARTITION TYPE S16
1" = 1'-0"



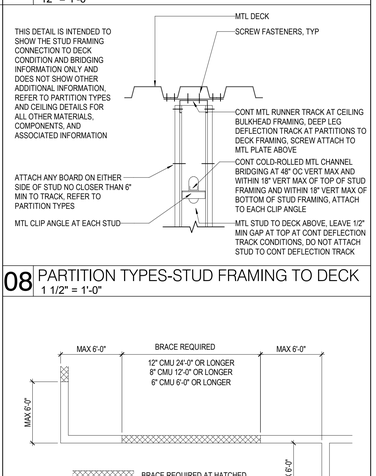
TYPE	FIRE RAT'G	DESCRIPTION
S6	NONE	6" MTL. STUD TO DECK
S6A	ONE HOUR	6" MTL. STUD TO DECK

04 PARTITION TYPE S6
1" = 1'-0"

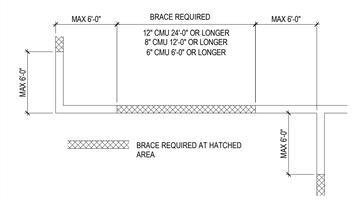


TYPE	FIRE RAT'G	DESCRIPTION
S3	NONE	3-5/8" METAL STUDS TO DECK
S3A	ONE HOUR	3-5/8" METAL STUDS TO DECK WITH FIRE-RATED CEILING

03 PARTITION TYPE S3
1" = 1'-0"



08 PARTITION TYPES-STUD FRAMING TO DECK
1 1/2" = 1'-0"



02 PARTITION TYPES-TYP CMU WALL BRACING
12" = 1'-0"

PBK

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DALLAS PBK.com
14001 Dallas Parkway, Suite 400
Dallas, TX 75240
972-233-1323 P
972-233-1373 F
TX Firm: BR 1608

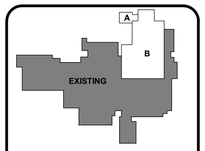
CIVIL
Simon Engineering & Consulting, Inc.
T 214-886-7870
STRUCTURAL
Charles Goger and Associates, Inc.
T 214-340-1199
MEP
MEI/CBR
T 214-217-9900
TECHNOLOGY
LEAF ENGINEERS
T 972-233-1323
ACOUSTIC
Wilson
T 214-394-3700
BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN NORTH: PLAN TRUE

ARCHITECT
DANIEL S BERGER
REGISTERED ARCHITECT
83370
STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

PARTITION TYPES

A-801A

File Path: Autodesk Docs://DISD_230050_DC HS Block Box Add/David W. Carter High School Interior Renovations and Additions.rvt

CHECKED BY: Checker

DRAWN BY: Author

Plot Stamp: 10/28/2025 9:28:27 AM

0"
1"

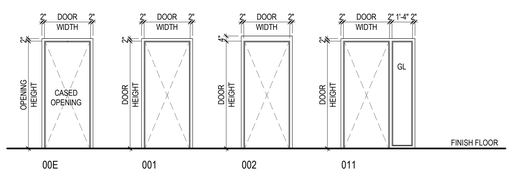
GLAZING MATERIALS LEGEND

GI1
THERMALLY-
INSULATED GLAZING
UNIT, TYPE 1

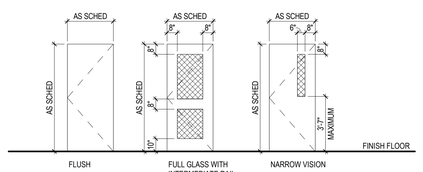
GS1
SPANDREL GLAZING,
THERMALLY
INSULATED

GL1
LAMINATED GLAZING
SAFETY GLAZING

GL6
ACOUSTICAL GLASS



04 DOOR FRAME CONFIGURATIONS



02 DOOR PANEL TYPES

PBK

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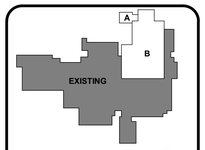
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MEP/CMR
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Wilson
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BEAN
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION
AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
REGISTERED ARCHITECT
DANIEL S BERGER
26370
STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

DOORS - WINDOWS PANEL & FRAME TYPES

A-811

DOORS - WINDOWS PANEL & FRAME TYPES
A-811
FOR BLUEBEAM LABELING:DOOR:

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David W. Carter High School Interior Renovations and Additions.rvt
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
10/28/2025 9:28:28 AM

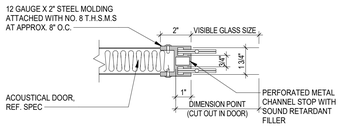
DOOR DETAILS

A-812

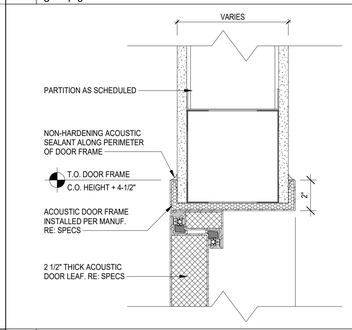
FOR BLUEBEAM LABELING/OOR:

0"

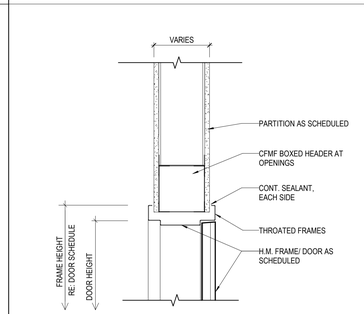
1"



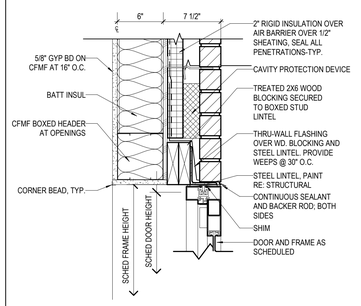
22 ACOUSTICAL RATED DOOR LITE DETAIL
3" = 1'-0"



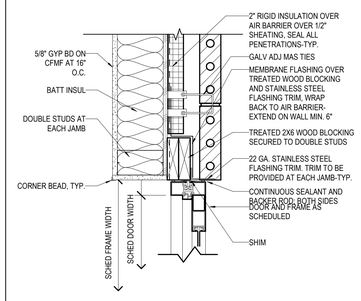
16 STC-50 SOUND DOOR - HEAD
3" = 1'-0"



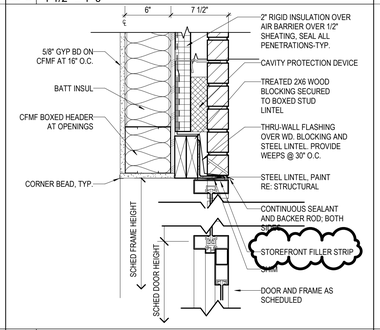
15 ALUM/HM DOOR HEAD @ CFMF (INTERIOR)
1 1/2" = 1'-0"



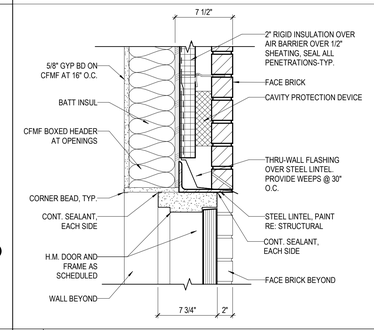
26 ALUM STOREFRONT DOOR HEAD @ EXT.
1 1/2" = 1'-0"



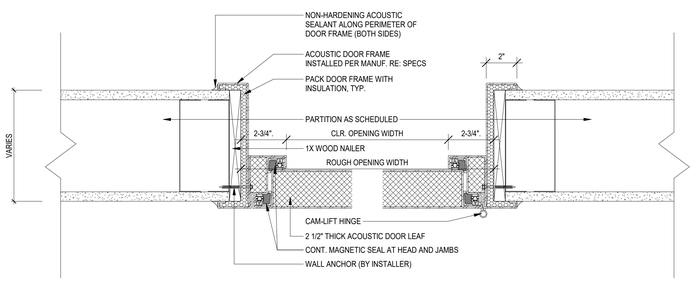
20 ALUM STOREFRONT DOOR JAMB @ EXT.
1 1/2" = 1'-0"



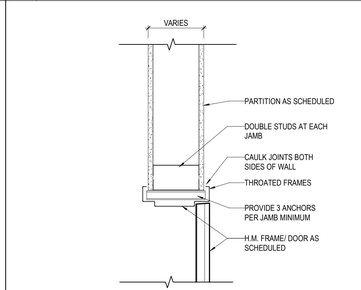
14 ALUM STOREFRONT HEAD @ EXTERIOR
1 1/2" = 1'-0"



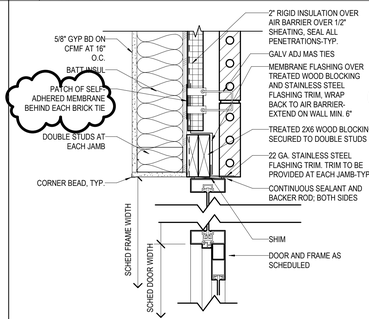
13 HM DOOR HEAD @ BRICK ON CFMF
1 1/2" = 1'-0"



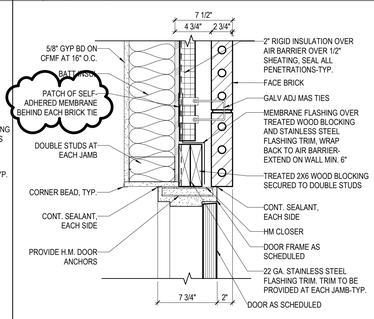
11 STC-50 SOUND DOOR - JAMB
3" = 1'-0"



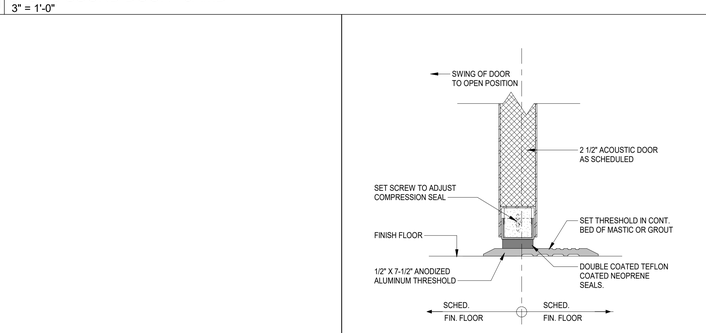
09 ALUM/HM DOOR JAMB @ CFMF (INTERIOR)
1 1/2" = 1'-0"



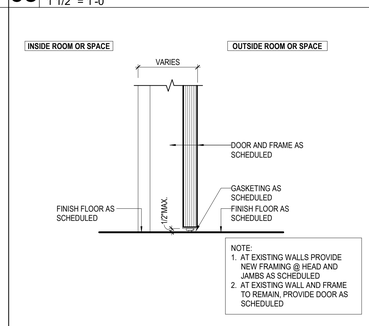
08 ALUM STOREFRONT JAMB @ EXTERIOR
1 1/2" = 1'-0"



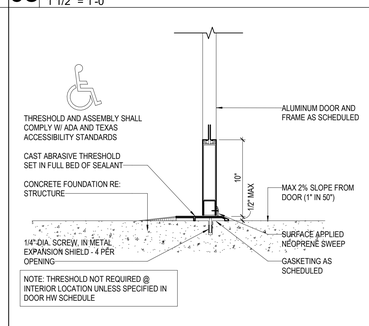
07 HM DOOR JAMB @ BRICK ON CFMF
1 1/2" = 1'-0"



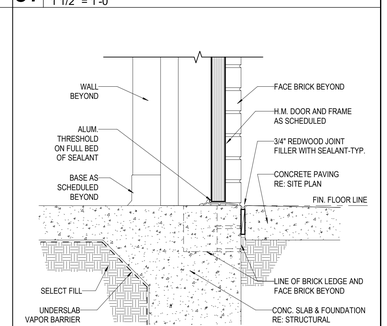
04 SOUND RATED DOOR THRESHOLD DETAIL
3" = 1'-0"



03 DOOR SILL @ INTERIOR
1 1/2" = 1'-0"



02 ALUM STOREFRONT DOOR SILL
1 1/2" = 1'-0"



01 HM DOOR SILL @ BRICK ON CFMF
1 1/2" = 1'-0"

PBK

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14001 Dallas Parkway, Suite 400
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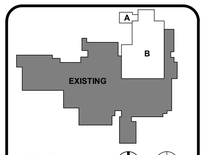
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DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN

NORTH: PLAN TRUE



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DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date
1	DRYTEK REVISIONS	2025/11/20

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BUILDING NUMBER

DOOR DETAILS

A-812

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WINDOW, CURTAINWALL & STOREFRONT ELEVATIONS

A-821

FOR BLUEBEAM LABELING/OCR:

0"

1"

GENERAL GLAZING NOTES

1. PROVIDE BACK PAINTED SPANDREL GLAZING AT ALL EXTERIOR AND INTERIOR GLAZING PANELS ABOVE INTERIOR CEILINGS. COLOR AND PATTERN AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.

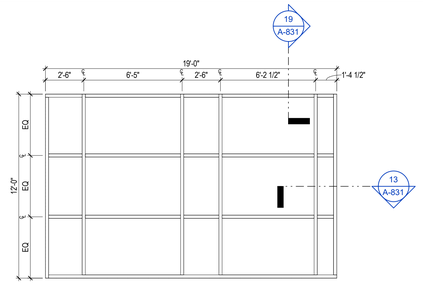
GLAZING MATERIALS LEGEND

GI1
THERMALLY-INSULATED GLAZING UNIT, TYPE 1

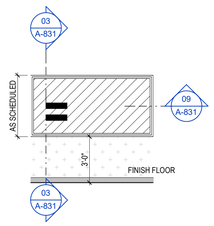
GS1
SPANDREL GLAZING, THERMALLY INSULATED

GL1
LAMINATED GLAZING SAFETY GLAZING

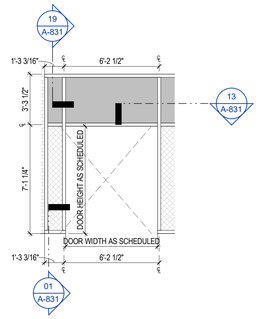
GL6
ACOUSTICAL GLASS



09 STOREFRONT B
1/4" = 1'-0"



04 WINDOW C
1/4" = 1'-0"



03 STOREFRONT A
1/4" = 1'-0"

PBK

ARCHITECT PBK Architects, Inc.
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MEI CORR
T 214-217-9500

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ACOUSTIC
Wilson
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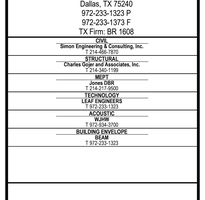
BUILDING ENVELOPE
BEAN
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
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ARCHITECT
DANIEL S. BERGER
REGISTERED ARCHITECT
STATE OF TEXAS
26370
2025.08.25

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DALLAS ISD

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DRAWING HISTORY

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BUILDING NUMBER

WINDOW, CURTAINWALL & STOREFRONT ELEVATIONS

A-821

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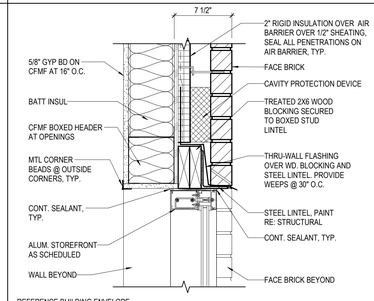
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Author
Plot Stamp:
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0"
1"

WINDOW & LOUVER DETAILS

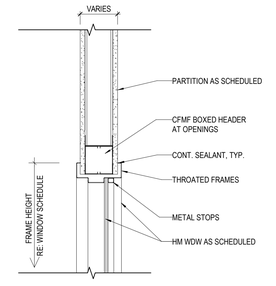
A-831

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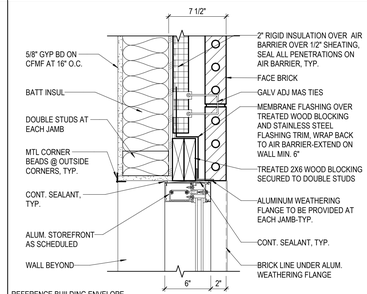


REFERENCE BUILDING ENVELOPE DETAILS FOR ADDITIONAL WATERPROOFING SPECIFICS.

19 ALUM STOREFRONT HEAD @ BRICK ON CFMF
1 1/2" = 1'-0"

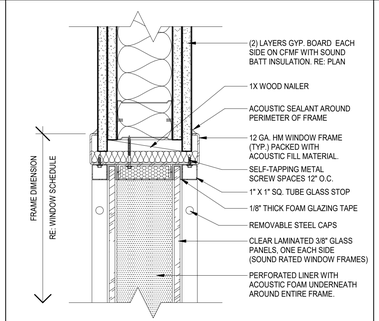


14 ALUM/HM WINDOW HEAD @CFMF(INTERIOR)
1 1/2" = 1'-0"

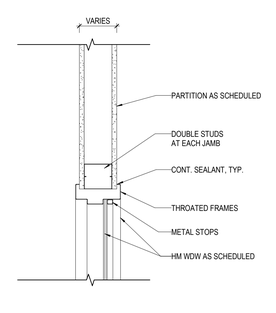


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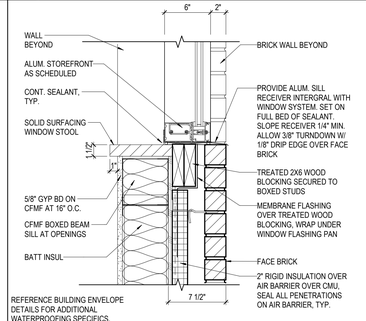
13 ALUM STOREFRONT JAMB @ BRICK ON CFMF
1 1/2" = 1'-0"



09 STC WINDOW - JAMB @ STUD WALL
3" = 1'-0"

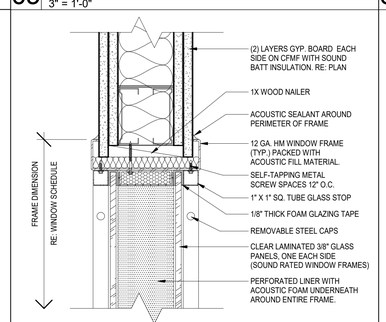


08 ALUM/HM WINDOW JAMB @CFMF(INTERIOR)
1 1/2" = 1'-0"

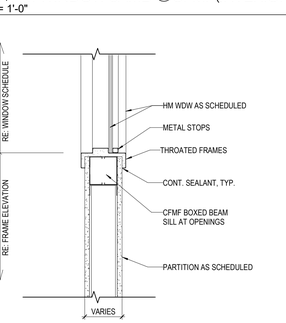


REFERENCE BUILDING ENVELOPE DETAILS FOR ADDITIONAL WATERPROOFING SPECIFICS.

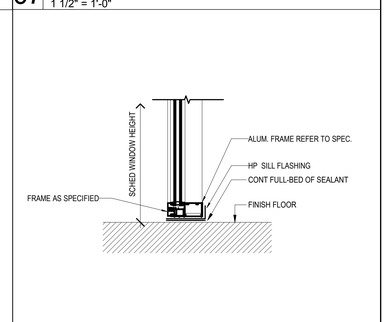
07 ALUM WINDOW SILL @ BRICK ON CFMF
1 1/2" = 1'-0"



03 STC WINDOW - HEAD/SILL @ STUD WALL
3" = 1'-0"



02 ALUM/HM WINDOW SILL @CFMF(INTERIOR)
1 1/2" = 1'-0"



01 ALUM STOREFRONT SILL @ FINISH FLOOR
1 1/2" = 1'-0"

PBK

ARCHITECT PBK Architects, Inc.
DALLAS PBK.com
14001 Dallas Parkway, Suite 400
Dallas, TX 75240
972-233-1323 P
972-233-1373 F
TX Firm: BR 1608

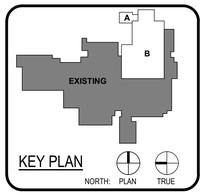
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Simon Engineering & Consulting, Inc.
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T 214-340-1199
MEP
MEP CORE
T 214-217-9900
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LEAF ENGINEERS
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RWA
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BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
DANIEL S BERGER
REGISTERED ARCHITECT
STATE OF TEXAS
25370
2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

WINDOW & LOUVER DETAILS

A-831

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David W. Carter High School Interior Renovations and Additions.rvt

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Author
Plot Stamp:
10/28/2025 9:28:31 AM

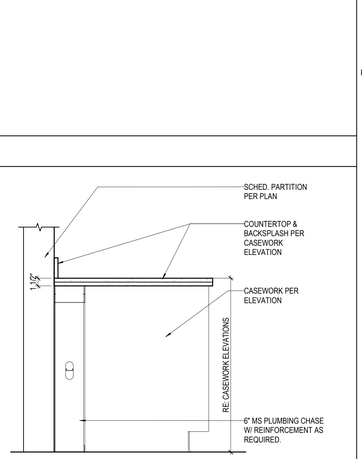
CASEWORK DETAILS

A-851

FOR BLUEBEAM LABELING/OCR:

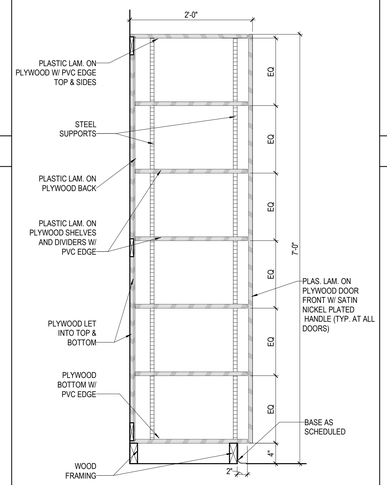
0"

1"

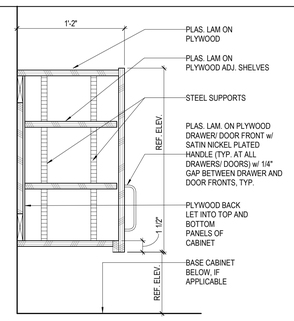


* NOTE: ALL COUNTERTOPS HAVE 1" RADIUS CORNERS

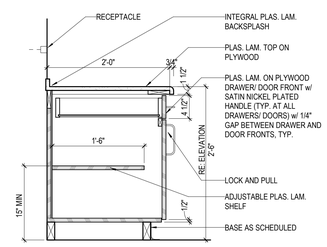
05 CABINET WITH PLUMBING CHASE
1" = 1'-0"



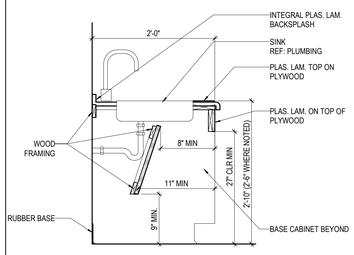
04 STORAGE CABINET
1" = 1'-0"



03 A-DTCS-UPPER CABINET-14460
1 1/2" = 1'-0"



02 A-DTCS-BASE w/ ADJ SHELF-14231
1" = 1'-0"



01 A-DTCS-BASE WITH SINK 14231
1" = 1'-0"

PBK

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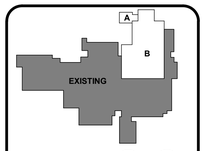
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DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
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ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



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REGISTERED ARCHITECT
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STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD

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2024.08.25	230050

DRAWING HISTORY

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BUILDING NUMBER

CASEWORK DETAILS

A-851

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David W. Carter High School Interior Renovations and Additions.rvt

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PBK

MATERIAL AND COLOR SELECTION SUMMARY

Name of Project- Carter HS Auditorium Renovation
PBK PROJECT NO.

SURFACE/MATERIAL	AREA	TYPE	MANUFACTURER	No.	COLOR	REMARKS
WALLS						
BK-1	As Specified	Modular 3 1/2" x 7 5/8" x 2 1/4"	Blackson Brick Co		Golden Bluff	Velour Modular
MWP-1	As Specified	Metal Wall Panel	Centria	181	Slate Gray	MetalWrap MR-100
GT-3	As Specified	Grout	Spectrum Cements		Texas Tan	
PAINT						
PT-1	As Specified		Sherwin Williams	SW7019	Gauntlet Gray	To be painted on brick

PBK

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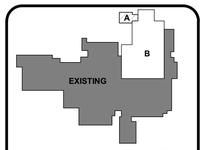
CIVIL
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Pinnacle
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BEAM
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DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

FINISH SCHEDULE - EXTERIOR

AF100A

FOR BLUEBEAM LABELING OCR:

0"
1"

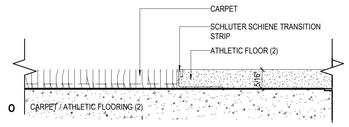
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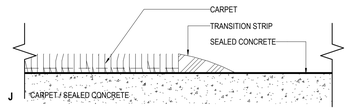
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Checker
DRAWN BY:
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Plot Stamp:
10/28/2025 10:43:54 AM

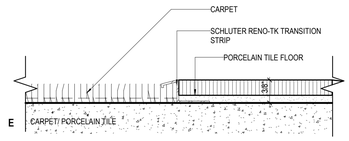
MATERIAL AND COLOR SELECTION SUMMARY

Name of Project- Carter HS Auditorium Renovation
PBK PROJECT NO.

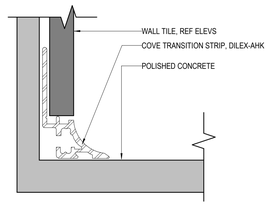
SURFACE/MATERIAL	AREA	TYPE	MANUFACTURER	No.	COLOR	REMARKS
FLOOR						
VCT-01	As Specified - Field	Vinyl Composition Tile 12" x 12"	Armstrong Flooring	52513	Cirque White	
VCT-02	As Specified	Vinyl Composition Tile 12" x 12"	Armstrong Flooring	51904	Sterling	
VCT-03	As Specified	Vinyl Composition Tile 12" x 12"	Armstrong Flooring	51915	Charcoal	
VCT-04	As Specified	Vinyl Composition Tile 12" x 12"	Armstrong Flooring	51910	Classic Black	
VCT-05	As Specified	Vinyl Composition Tile 12" x 12"	Armstrong Flooring	57517	Bodacious Blue	
SCF-01						As Spec'd
PFT-01	Restrooms	12" x 24" Porcelian Floor Tile	Daltile	DI27	Dark Grey	Delegate
CPT-01	Auditorium	18" x 36" Carpet Tile	EF Contract	SDF80	Ebony	Spectral Drift
VF-01	Dance Room	Vinyl Performance Floor	Harlequin Floors	STF406	Dark Grey	Liberty Latchloc
LAMINATES						
PL-01	Counters	High Pressure Laminate	Wilsonart	4811	Silicon EV	Matte Finish
PL-02	Casework, As Specified	High Pressure Laminate	Wilsonart	7986	Pasedena Oak	Matte Finish
PL-03	As Specified	High Pressure Laminate	Wilsonart	7959	Hampton Walnut	Matte Finish
CEILING						
ACB-01	As Specified (Lobby)	2.75" x 10" Acoustical Ceiling Baffle	Frasch!	01P	Birch Light Brown	BAFL Classic
ACC-01	Auditorium	Acoustical Ceiling Cloud	Rulon	231	Ash	
ACT-01	As Specified	2' x2' Acoustical Ceiling Tile	Armstrong Ceilings	1728	White	Fine Fissured
TCP-01	Black Box	Tectum Ceiling Panel, Deck Mounted	Armstrong Ceilings	PT-05	Black of Night (Field Painted)	TECTUM FINALE, Square Edges, 2" Thickness, Mounting Method A
BASE						
RB-01	As Specified	4" Rubber Base	Flexco	90	Nickel	
RB-02	As Specified	4" Rubber Base	Johnsonite	40	Black	
CCB-01	Restroom Walls	4" x 6" Ceramic Cove Base	Daltile	S-3419T	Matte Arctic White	Color Wheel Classic
CCB-02	Restroom Walls	4" x 6" Ceramic Cove Base	Daltile	S-3419T	Matte Suede Gray	Color Wheel Classic
WALLS						
PT-01	As Specified	Paint	Sherwin Williams	SW7004	Snowbound	
PT-02	As Specified	Paint	Sherwin Williams	SW7647	Crushed Ice	
PT-03	As Specified	Paint	Sherwin Williams	SW7672	Knitting Needles	
PT-04	As Specified	Paint	Sherwin Williams	SW7669	Summit Gray	
PT-05	As Specified	Paint	Sherwin Williams	SW6993	Black of Night	
PT-06	As Specified	Paint	PPG	PPG1162-5	Shrinking Violets	
PT-07	Columns (Auditorium)	Paint	Sherwin Williams	SW7511	Bungalow Beige	
PT-08	Acoustical Diffusers	Paint	Sherwin Williams	SW6083	Sable	
AWC-01	Auditorium	Acoustical Wall Covering	Momentum	PNTF-08	Woodhaven	NuFelt
PWT-01	As Specified	Porcelain Wall Tile 12" x 24"	Daltile	ML60	Modern Linear White	Fabric Art
PWT-02	As Specified	Porcelain Wall Tile 12" x 24"	Daltile	ML63	Modern Linear Medium Gray	Fabric Art
PWT-03	As Specified	Porcelain Wall Tile 12" x 24"	Daltile	ML64	Modern Linear Dark Gray	Fabric Art
AWP-01	As Specified	2" Acoustical Wall Panel	Guilford Of Maine	2016	Onyx	Anchorage
CWT-01	Restrooms (Field)	6"x6" Ceramic Wall Tile	Daltile	790	Matte Arctic White	Classic Color Wheel
CWT-02	Restrooms (Accent)	6"x6" Ceramic Wall Tile	Daltile	782	Matte Suede Gray	Classic Color Wheel
GROUT						
GT-01	As Specified	Grout	Mapei	5093	Warm Gray	
GT-02	As Specified	Grout	Mapei	5107	Iron	
GT-03	Restrooms Walls	Grout	Mapei	5038	Avalanche	
WOOD DOORS						
WD-01	Doors	Solid Wood Doors	VT Industries	ON18	Onyx	Red Oak
DOOR FRAMES						
Hollow Metal, Painted	As Specified	Paint	Sherwin Williams	SW7669	Summit Gray	
FURNITURE						
UPH-01	Auditorium Seats	Fabric Upholstry	Absecon Mills		Sherpa Scarlet	
FURN-01	Auditorium Seats	Wood Seating Frame	Irwin Seating	24	Classic Walnut - Red Oak	
LOCKERS						
LK-1	As Specified	Metal Lockers	List Industries	721	Relay Red	Superior

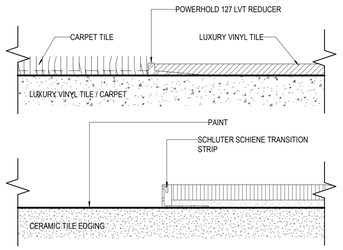


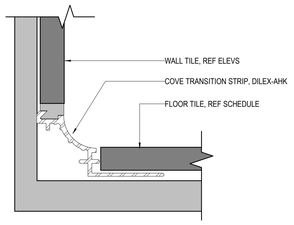


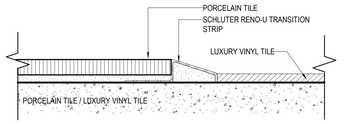


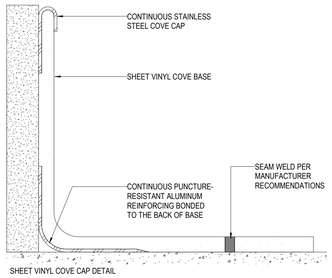
24 TYP INT FLOOR TRANSITIONS
12" = 1'-0"

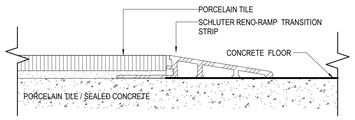


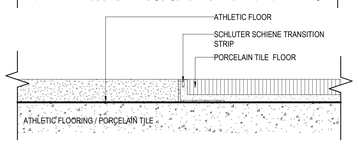


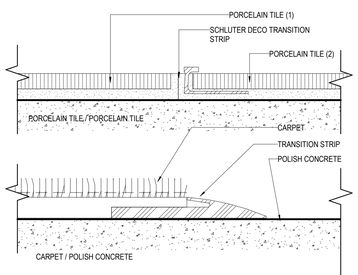


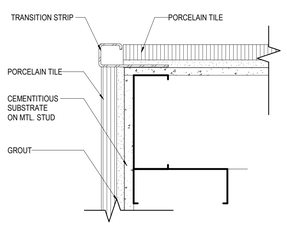












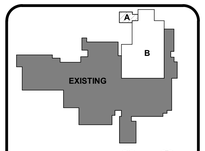
06 INT FLOOR TRANSITIONS
12" = 1'-0"

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MEP/T
Jones O&R
T 214-217-5500
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ACOUSTIC
WJHW
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ISSUED FOR PERMIT
BUILDING NUMBER

FINISH SCHEDULE - INTERIOR

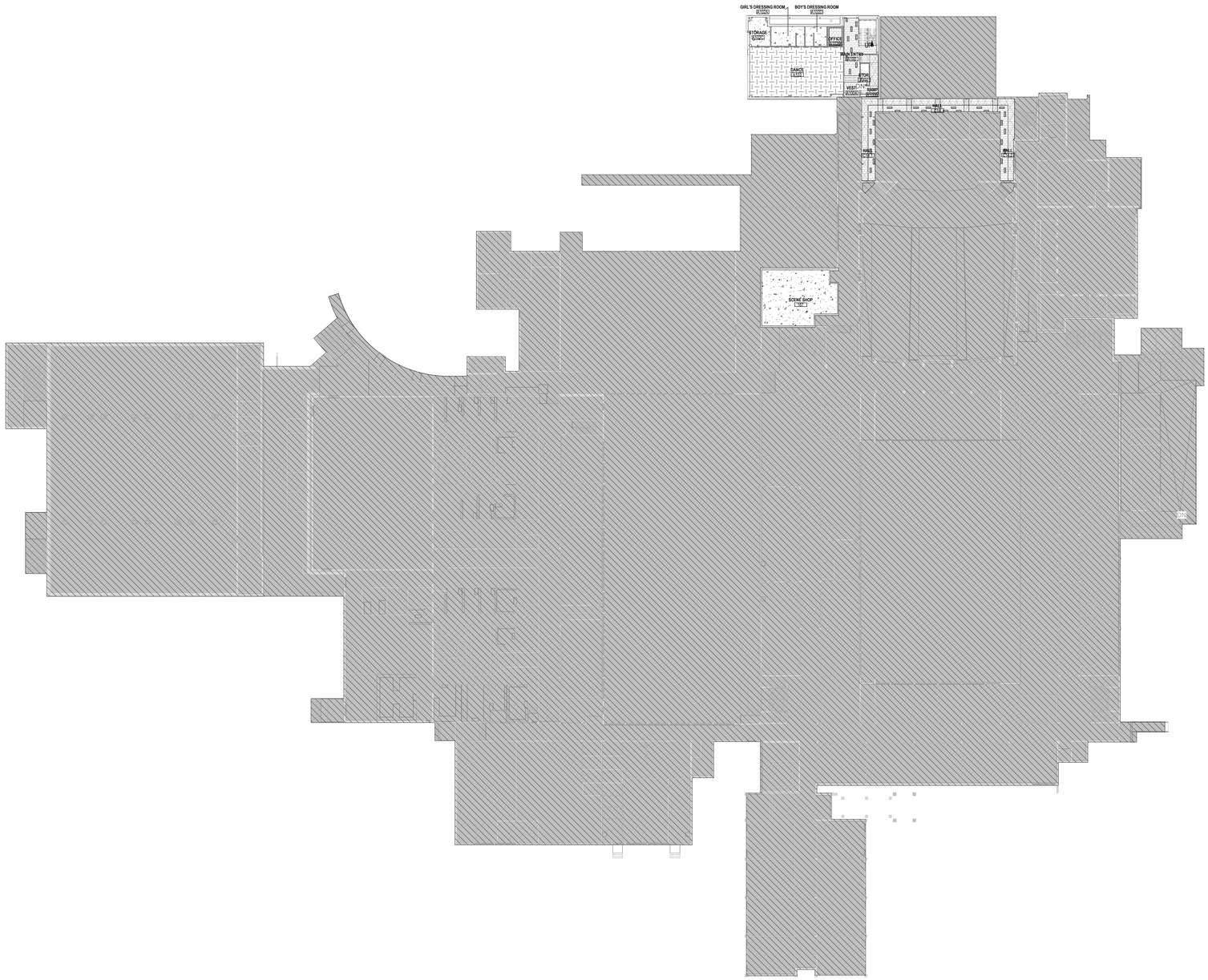
AF100B

FINISH SCHEDULE - INTERIOR
AF100B
FOR BLUEBEAM LABELING OCR:

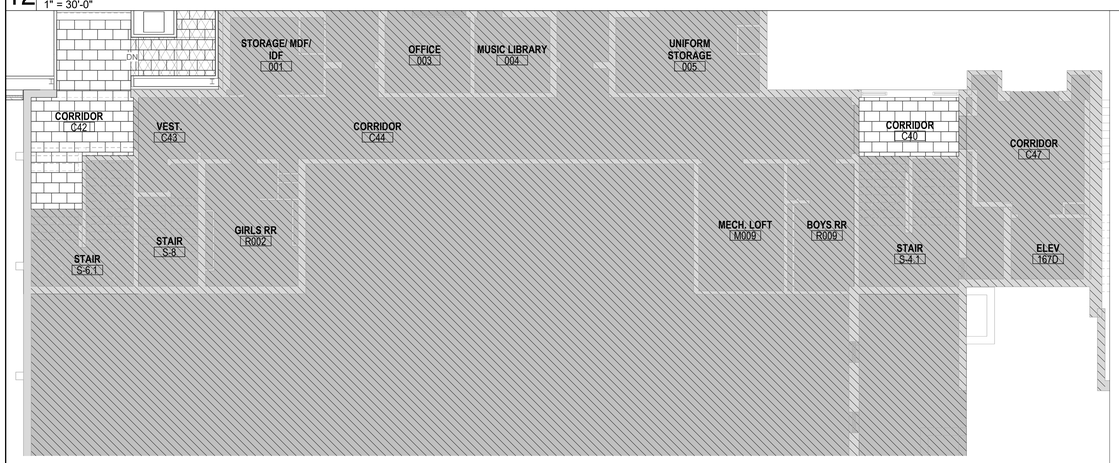
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Plot Stamp: 10/28/2025 10:43:55 AM

0"
1"



12 1ST LEVEL - FINISH PLAN - COMPOSITE
1" = 30'-0"



06 1ST LEVEL CRAWL SPACE - ENLARGED FINISH FLOOR PLAN
1/8" = 1'-0"

GENERAL FLOOR FINISH NOTES

1. ALL FINISH MATERIALS SHALL MEET THE FLAME SPREAD RATINGS PER THE BUILDING CODE.
2. REFER TO INTERIOR ELEVATIONS FOR SPECIFIC MATERIAL LOCATIONS.
3. PAINT ALL EXPOSED STRUCTURAL MEMBERS, STRUCTURAL DECK, DUCTWORK, DIFFUSERS, PIPING, CONDUIT, EQUIP. HOUSINGS, LIGHT FIXTURE HOUSINGS, CABLE SUPPORTS, CABLE TRAYS, EQUIP. SUPPORTS, HANGERS, ETC. TO MATCH ADJACENT SURFACES.
4. PAINT ALL NON-FACTORY FINISHED EXPOSED METAL.
5. REFER TO TYPICAL FLOORING TRANSITION DETAILS FOR FLOORING MATERIAL TRANSITIONS.
6. ALL FLOORING TRANSITIONS AT DOORS SHALL BE LOCATED UNDER THE DOOR IN THE CLOSED POSITION, U.N.O.
7. CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.
8. PROVIDE AND INSTALL BULLNOSE TRIM AT ALL TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIAL U.N.O.
9. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
10. ALL ELECTRICAL DEVICE COVERS ARE TO BE WHITE U.N.O.
11. ALL CARPET PATTERNS TO RUN PARALLEL TO CORRIDOR, U.N.O.
12. PAINT ALL HOLLOW METAL DOOR FRAMES TO MATCH ADJACENT WALL COLOR U.N.O.
13. FLOOR FINISH CHANGES SHALL OCCUR AT THE CENTERLINE OF DOORS U.N.O.. FLOOR FINISH CHANGES SHALL HAVE THRESHOLDS OR REDUCER STRIPS.
14. REFER TO **AF100** FOR FLOOR TRANSITIONS AT THRESHOLD.
15. GENERAL CONTRACTOR TO SUBMIT FLOORING PATTERN LAYOUT WITH STRIPING COLORS AND STRIPING WIDTH AND NOTIFY ARCHITECT. CONTRACTOR SHALL NOT PROCEED WITH THE FLOORING INSTALLATION UNTIL LAYOUT IS APPROVED BY ARCHITECT.

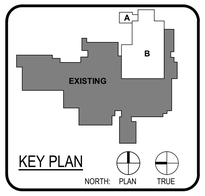
FLOOR FINISH LEGEND

- **VCT-1** VINYL COMPOSITION TILE *RE: FINISH SCHEDULE*
- **VCT-2** VINYL COMPOSITION TILE *RE: FINISH SCHEDULE*
- **VCT-3** VINYL COMPOSITION TILE *RE: FINISH SCHEDULE*
- **VCT-4** VINYL COMPOSITION TILE *RE: FINISH SCHEDULE*
- **VCT-5** VINYL COMPOSITION TILE *RE: FINISH SCHEDULE*
- **SCF-1** SEALED CONCRETE FLOOR *RE: FINISH SCHEDULE*
- **CPT-1** CARPET TILE *RE: FINISH SCHEDULE*
- **PFT-1** PORCELAIN FLOOR TILE *RE: FINISH SCHEDULE*
- **VF-1** VINYL PERFORMANCE FLOOR *RE: FINISH SCHEDULE*
- EXISTING TO REMAIN

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RWA
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BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS
ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232
ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN NORTH: PLAN TRUE

ARCHITECT
DANIEL S BERGER 95370 REGISTERED ARCHITECT STATE OF TEXAS
DATE: 08.28.24

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT
BUILDING NUMBER

1ST FLOOR FINISH PLAN - COMPOSITE

AF101

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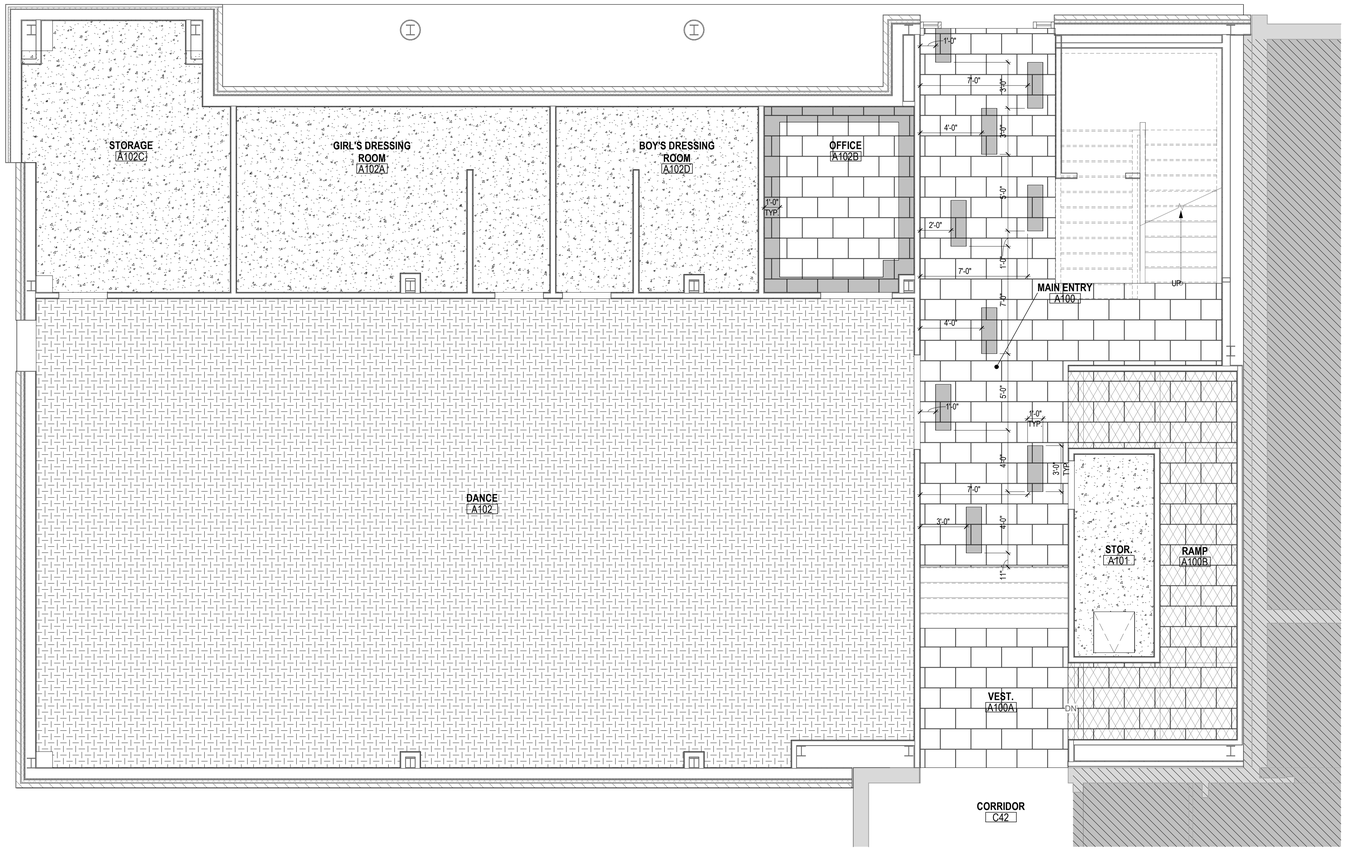
BLACK BOX 1ST FLOOR FINISH PLAN - AREA A

AF101A

FOR BLUEBEAM LABELING/OCR:

0"

1"



06 BLACK BOX LEVEL 1 - FINISH PLAN - AREA A
1/4" = 1'-0"

GENERAL FLOOR FINISH NOTES

1. ALL FINISH MATERIALS SHALL MEET THE FLAME SPREAD RATINGS PER THE BUILDING CODE.
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- **VCT-3** VINYL COMPOSITION TILE *RE: FINISH SCHEDULE*
- **VCT-4** VINYL COMPOSITION TILE *RE: FINISH SCHEDULE*
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- **VF-1** VINYL PERFORMANCE FLOOR *RE: FINISH SCHEDULE*
- EXISTING TO REMAIN

KEYNOTE LEGEND

NUMBER	DESCRIPTION

PBK

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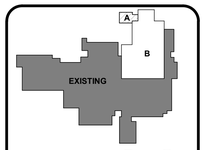
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Pinnacle
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BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG.023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN NORTH: PLAN TRUE

ARCHITECT



CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

BLACK BOX 1ST FLOOR FINISH PLAN - AREA A

AF101A

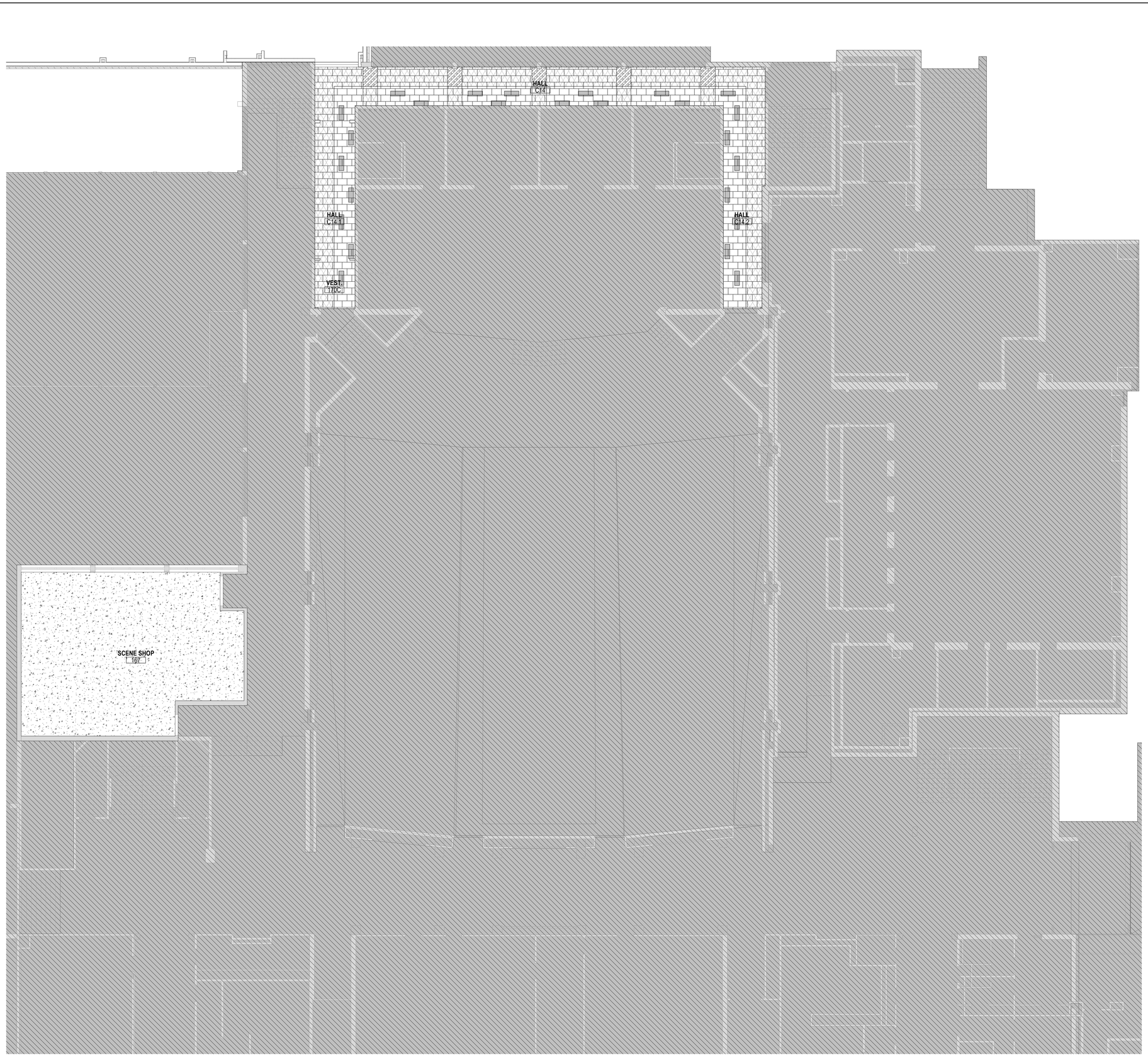
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Plot Stamp: 10/28/2025 10:43:57 AM

1ST FLOOR FINISH PLAN - AREA B

AF101B

FOR BLUEBEAM LABELING/OCR:



06 1ST LEVEL - FINISH PLAN - AREA B
1/8" = 1'-0"

GENERAL FLOOR FINISH NOTES

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- EXISTING TO REMAIN

KEYNOTE LEGEND

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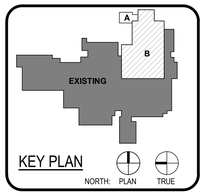
BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL ADDITION AND INTERIOR RENOVATIONS

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT



CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

1ST FLOOR FINISH PLAN - AREA B

AF101B

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David W. Carter High School Interior Renovations and Additions.rvt

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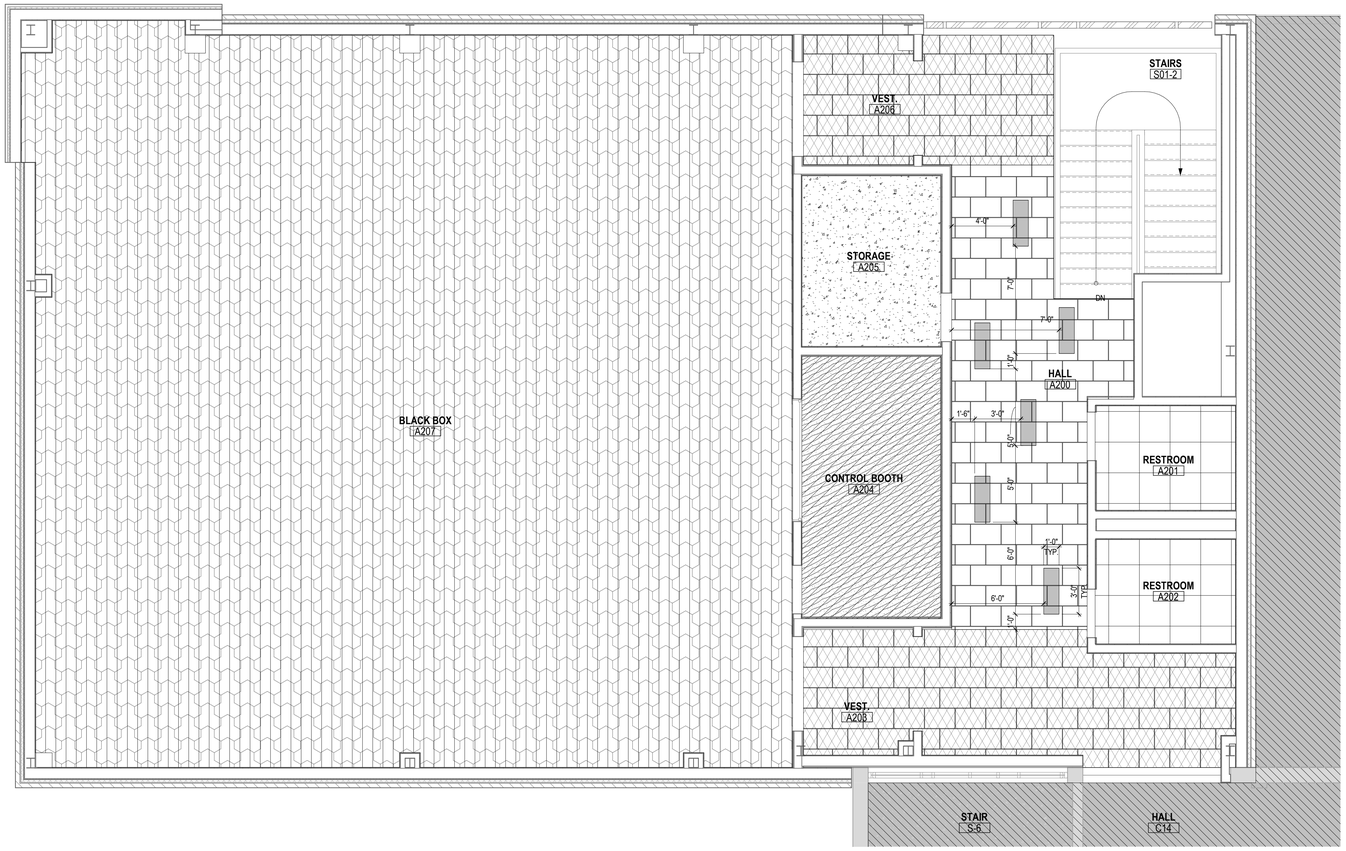
BLACK BOX 2ND FLOOR FINISH PLAN - AREA A

AF102A

FOR BLUEBEAM LABELING:OOR:

0"

1"



06 BLACK BOX LEVEL 2 - FINISH PLAN - AREA A
1/4" = 1'-0"

GENERAL FLOOR FINISH NOTES

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FLOOR FINISH LEGEND

VCT-1
VINYL COMPOSITION TILE
RE: FINISH SCHEDULE

VCT-2
VINYL COMPOSITION TILE
RE: FINISH SCHEDULE

VCT-3
VINYL COMPOSITION TILE
RE: FINISH SCHEDULE

VCT-4
VINYL COMPOSITION TILE
RE: FINISH SCHEDULE

VCT-5
VINYL COMPOSITION TILE
RE: FINISH SCHEDULE

SCF-1
SEALED CONCRETE FLOOR
RE: FINISH SCHEDULE

CPT-1
CARPET TILE
RE: FINISH SCHEDULE

PFT-1
PORCELAIN FLOOR TILE
RE: FINISH SCHEDULE

VF-1
VINYL PERFORMANCE FLOOR
RE: FINISH SCHEDULE

EXISTING TO REMAIN

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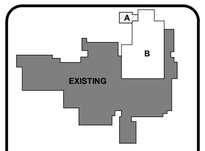
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ORG 023
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DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

ARCHITECT
DANIEL S. BERGER
REGISTERED ARCHITECT
25370
STATE OF TEXAS
2025.08.25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2024.08.25	230050

DRAWING HISTORY

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BUILDING NUMBER

BLACK BOX2ND FLOOR FINISHPLAN - AREA A

AF102A

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David W. Carter High School Interior Renovations and Additions.rvt

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Author
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10/28/2025 10:44:00 AM

ABBREVIATIONS

A

A	AIR (COMPRESSED)
ABV	ABOVE
AC	AIR CONDITIONING
AC	ALTERNATING CURRENT, AIR COMPRESSOR
ACCH	AIR COOLED CHILLER
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR, AREA DRAIN
ADJ	ADJUSTABLE
AF	AIR FILTER
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHRI	AIR-CONDITIONING, HEATING, AND REFRIGERATION INSTITUTE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
AMB	AMBIENT
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
ARCH	ARCHITECT, ARCHITECTURAL
AS	AIR SEPARATOR
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AV	ACID VENT, AIR VENT
AVG	AVERAGE
AW	ACID WASTE
AWS	AMERICAN WELDING SOCIETY
AUX	AUXILIARY

B

B	BOILER
BC	BELOW COUNTER
BIC	BACK OF CURB
BFF	BELOW FINISHED FLOOR
BFV	BUTTERFLY VALVE
BH	BOX HYDRANT
BLDG	BUILDING
BM	BENCHMARK
BOF	BOTTOM OF FOOTING
BOS	BOTTOM OF STRUCTURE
BP	BACKFLOW PREVENTER
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
BWV	BACK WATER VALVE

C

C	CELSIUS
CAB	CABINET
CB	CATCH BASIN
CD	CONDENSATE DRAIN LINE
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CH	CHILLER
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CHW	CHILLED WATER
CHWP	CHILLED WATER PUMP
CI	CAST IRON
CIRC	CIRCULATING
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMB	COMBINATION
COMP	COMPRESSOR
CONC	CONCRETE, CONCENTRIC
COND	CONDENSER, CONDENSATE
CONN	CONNECTION
CONT	CONTINUOUS,CONTINUATION
CTR	CENTER
CU	COPPER

D

D	DEPTH, DRAIN, DRYER
DB	DRY BULB
DC	DIRECT CURRENT
DDC	DIRECT DIGITAL CONTROL
DDMB	DUAL DUCT MIXING BOX
DESIG	DESIGNATION
DET	DETAIL
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DISC	DISCONNECT
DN	DOWN
DPR	DAMPER
DW	DISHWASHER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
DWP	DOMESTIC WATER PUMP
DX	DIRECT EXPANSION

E

EA	EACH
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ECC	ECCENTRIC
EDB	ENTERING DRY BULB
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EFF	EFFICIENCY
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
EMERG	EMERGENCY
ENCL	ENCLOSURE
ENGR	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EVAP	EVAPORATOR
EWB	ENTERING WET BULB
EWT	ENTERING WATER TEMPERATURE
EX	EXPLOSION PROOF
EXT	EXTERNAL
EXTG	EXISTING

F

F	FAHRENHEIT, FIRE
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEAN OUT
FCS	FLOOR CONTROL STATION
FCU	FAN COIL UNIT
FD	FLOOR DRAIN, FIRE DAMPER
FDC	FIRE DEPARTMENT SIAMESE CONNECTION
FDV	FIRE DEPARTMENT VALVE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FLR	FLOOR
FPTU	FAN POWERED TERMINAL UNIT
FT	FOOT, FEET
FUT	FUTURE

G

G	GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GLV	GLOBE VALVE
GND	GROUND
GPM	GALLONS PER MINUTE
GV	GATE VALVE

H

HORIZ	HORIZONTAL
HP	HORSEPOWER
HSTAT	HUMIDISTAT
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HWP	HEATING WATER PUMP
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ

I

ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IH	INFRARED HEATER
IN	INCH
INSUL	INSULATION
INT	INTERNAL, INTERIOR
INV	INVERT
IW	INDIRECT WASTE

J

JB	JUNCTION BOX
JP	JOCKEY PUMP

K

KEC	KITCHEN EQUIPMENT CONTRACTOR
KO	KNOCKOUT
KVA	KILOVOLT- AMPS
KW	KILOWATT

L

L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LF	LINEAR FEET
LP	LOW PRESSURE
LRA	LOCKED ROTOR AMPS
LVL	LEVEL
LWB	LEAVING WET BULB
LWCO	LOW WATER CUT OFF
LWT	LEAVING WATER TEMPERATURE

M

MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MBTUH	THOUSAND OF BTU'S
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MI	MALLEABLE IRON
MIN	MINIMUM
MP	MEDIUM PRESSURE
MS	MOP SINK
MTD	MOUNTED
MU	MAKE-UP
MVD	MANUAL VOLUME DAMPER
MSAH	MINI-SPLIT AIR HANDLER
MSCU	MINI-SPLIT CONDENSING UNIT

N

N.C.	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
NO.	NUMBER
NTS	NOT TO SCALE

O

OA	OUTSIDE AIR
OAF	OUTSIDE AIR FAN
OAHU	OUTSIDE AIR HANDLING UNIT
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
OFCU	OUTSIDE AIR FAN COIL UNIT
OPG	OPENING
OS&Y	OPEN STEM AND YOLK

P

PG	PRESSURE GAUGE
PP	POLYPROPYLENE
PPM	PART PER MILLION
PRI	PRIMARY
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE

Q

QTY	QUANTITY

R

RA	RETURN AIR
RAD	REFRIGERATED AIR DRYER
RAF	RETURN AIR FAN
RAG	RETURN AIR GRILLE
RAT	RETURN AIR TEMPERATURE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RE	REFERENCE, REFER
RED	REDUCER
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCING
REQD	REQUIRED
REV	REVISION, REVISE
RH	RELATIVE HUMIDITY
RHG	REFRIGERANT HOT GAS
RL	REFRIGERANT LIQUID
RLA	RUNNING LOAD AMPS
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
RTU	ROOFTOP UNIT
RV	RELIEF VALVE

S

SA	SUPPLY AIR
SAF	SUPPLY AIR FAN
SAG	SUPPLY AIR GRILLE
SAN	SANITARY SEWER
SAR	SUPPLY AIR REGISTER
SC	STEAM CONDENSATE
SCHED	SCHEDULED
SD	STORM DRAIN
SEC	SECONDARY
SECT	SECTION
SENS	SENSIBLE
SF	SQUARE FEET
SFCS	SPRINKLER FLOOR CONTROL STATION
SH	SHOWER
SHT	SHEET
SIM	SIMILAR
SK	SINK
SM	SHEETMETAL
SP	STATIC PRESSURE, SUMP PUMP
SPEC	SPECIFICATION
SPR	SPRINKLER
SQ	SQUARE
SS	SERVICE SINK
SSSC	SOLID STATE SPEED CONTROL
STD	STANDARD
STL	STEEL
STR	STRAINER
SURF	SURFACE
SUSP	SUSPEND
SV	SANITARY VENT
SW	SOFT WATER

T

TC	TEMPERATURE CONTROL
TCC	TEMPERATURE CORNEAL COMPRESSOR
TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD
TF	TRANSFER FAN
TH BLK	THRUST BLOCK
THERM	THERMOMETER
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
TPD	TRAP PRIMER DEVICE
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TW	TEMPERED HOT WATER
TYP	TYPICAL

U

U	URINAL
UCD	UNDER CUT DOOR
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES, INC
UNO	UNLESS NOTED OTHERWISE
U/F	UNDERFLOOR
U/S	UNDERSLAB

V

V	VOLT
VA	VOLT- AMPERE
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VB	VALVE BOX, VACUUM BREAKER
VD	VOLUME DAMPER
VEL	VELOCITY
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VIB	VALVE IN BOX
VOV	VALVE ON VERTICAL
VP	VACUUM PUMP
VR	VARIABLE AIR VOLUME REHEAT
VTR	VENT THRU ROOF

W

W	WATT, WIDTH
W/	WITH
W/O	WITHOUT
WB	WET BULB
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WH	WALL HYDRANT
WM	WATER METER
WP	WEATHERPROOF
WPD	WATER PRESSURE DROP
WWF	WELDED WIRE FABRIC

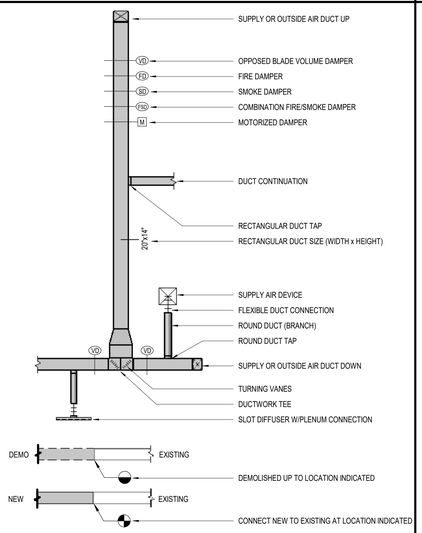
Y

Y	YARD HYDRANT

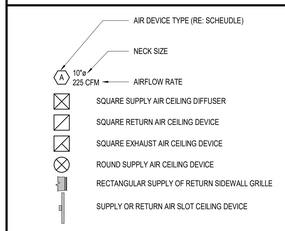
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Z	ZONE

DUCTWORK



AIR DEVICE TYPES



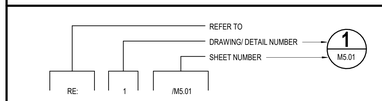
WALL MOUNTED SENSOR TYPES

T	THERMOSTAT	CO	CARBON MONOXIDE SENSOR
H	HUMIDISTAT	N	NITROGEN DIOXIDE SENSOR
C	CARBON DIOXIDE SENSOR	S	ON/OFF SWITCH

PIPING TYPES

CD	CONDENSATE DRAIN LINE	HWR	HOT WATER RETURN
CHS	CHILLED WATER SUPPLY	CWS	CONDENSER WATER SUPPLY
CHR	CHILLED WATER RETURN	CWR	CONDENSER WATER RETURN
HWS	HOT WATER SUPPLY	REF	REFRIGERANT PIPING SIZED BY MFR.

DRAWING/DETAIL REFERENCE KEY



MECHANICAL GENERAL NOTES

1. PIPING AND DUCTWORK SHOWN ON PLANS ARE SCHEMATIC ONLY. COORDINATE WITH OTHER TRADES FOR PIPING AND DUCTWORK ROUTING. OFFSET AND RUN PIPING DUCTWORK INSIDE THE STRUCTURE IF REQUIRED. PROVIDE ALL NECESSARY PIPING, DUCTWORK, FITTING, INSULATION, AND OTHER ACCESSORIES IN ORDER TO COMPLETE THE INSTALLATIONS.
2. EXACT LOCATIONS OF EQUIPMENT, GRILLES, AND DAMPERS SHALL BE FIELD COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS AND ALLOW ADEQUATE CLEARANCES.
3. EQUIPMENT SIZES, DIMENSIONS, AND REQUIRED CONNECTIONS SHALL BE VERIFIED WITH THE MANUFACTURER DRAWINGS AND CUTSHEETS BEFORE FABRICATING OF DUCTWORK, PIPING, OR POURING OF CONCRETE HOUSEKEEPING PADS.
4. INSTALL EQUIPMENT TO ENSURE ACCESS PANELS ARE NOT BLOCKED. ACCESS FOR SERVICE MUST BE PROVIDED.
5. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
6. DUCT SIZES SHOWN ON PLANS ARE CLEAR INSIDE DIMENSIONS.
7. PROVIDE RECTANGULAR BRANCH DUCT TAP FOR ALL RECTANGULAR DUCT CONNECTIONS TO RECTANGULAR DUCT TRUNKS.
8. ALL DUCTWORK AND ASSOCIATED ACCESSORIES SHALL BE CONSTRUCTED TO MEET THE LATEST SMACNA STANDARDS FOR HVAC DUCT CONSTRUCTION.
9. ALL OUTSIDE AIR, SUPPLY AIR, AND RETURN AIR DUCTWORK AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION WHERE LOCATED IN UNCONDITIONED SPACES AND SHALL BE INSULATED WITH A MINIMUM OF R-8 INSULATION WHERE LOCATED OUTSIDE THE BUILDING. REFER TO SPECIFICATION 23 07 13 DUCT INSULATION FOR FURTHER INFORMATION AND ADDITIONAL REQUIREMENTS.
10. ALL DUCTWORK SHALL BE CONSTRUCTED TO SEAL CLASS 'A' AS REFERENCED IN SMACNA STANDARDS. ALL NON-WELDED JOINTS AND SEAMS SHALL BE SEALED. THIS INCLUDES BUT IS NOT LIMITED TO TRANSVERSE JOINTS, LONGITUDINAL SEAMS, DUCT WALL PENETRATIONS, SPIN-INS, TAPS, AND OTHER BRANCH CONNECTIONS, ACCESS DOORS, ACCESS PANELS, AND DUCT CONNECTIONS TO EQUIPMENT. OPENINGS FOR ROTATING SHAFTS SHALL ALSO BE SEALED WITH BUSHINGS. REFER TO SPECIFICATION 23 31 13 METAL DUCTWORK FOR FURTHER INFORMATION.
11. ALL EXPOSED DUCTWORK AND PIPING WITH ASSOCIATED ACCESSORIES IN AREAS WITH NO CEILING OR PARTIAL CEILING SHALL BE PAINTED. REFER TO ARCHITECT FOR COLOR.
12. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR PRIOR TO ACTUAL INSTALLATION OF TEMPERATURE SENSORS AND HUMIDITY SENSORS.
13. PROVIDE REMOTE SPIN-IN DAMPER OPERATOR FOR SPIN-IN CONNECTIONS AND VOLUME DAMPERS LOCATED OVER GYPSUM CEILINGS.
14. PROVIDE AIRFOIL TYPE TURNING VANES IN ALL 90 DEGREE ELBOWS.
15. PROVIDE INSULATED ACCESS DOORS FOR DUCTWORK DOWNSTREAM OF AIR HANDLING UNITS AT EVERY 20'-0" TO FACILITATE DUCT CLEANING. PROVIDE ACCESS DOORS WITHIN 5'-0" OF EACH ELBOW.
16. COORDINATE LOCATIONS OF FLOOR AND WALL OPENINGS WITH ARCHITECT AND STRUCTURAL ENGINEER.
17. ALL CEILING MOUNTED AND WALL MOUNTED AIR DEVICE FINISHES SHALL MATCH ADJACENT ARCHITECTURAL SURFACE. CONTRACTOR SHALL COORDINATE COLOR WITH ARCHITECT.
18. NO PIPE HANGERS SHALL BE SPACED MORE THAN 10'-0" O.C. COMPLY WITH PIPE SPACING AS SPECIFIED IN THE PIPING SUPPORT SPECIFICATIONS.
19. ALL PIPING LOCATED INSIDE BUILDING SHALL BE SUPPORTED FROM THE STRUCTURE WITH SADDLE OR TRAPEZE HANGERS WITH ADJUSTABLE CLEVIS OR THREADED RODS.
20. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ALL OUTSIDE AIR INTAKES TO MAINTAIN 15 FEET DISTANCE BETWEEN OUTSIDE AIR INTAKES AND ANY EXHAUST AIR OUTLET, FLUES OR PLUMBING VENTS.
21. MECHANICAL CONTRACTOR SHALL COORDINATE WITH PLUMBING CONTRACTOR FOR ALL CONDENSATE DRAIN PIPES CONNECTING TO A SINK DRAIN TAIL PIECE.

ROOF MOUNTED EQUIPMENT ANCHORAGE REQUIREMENTS

1. ALL ROOF MOUNTED EQUIPMENT CURBS, ROOF MOUNTED EQUIPMENT, EQUIPMENT TIE DOWNS, AND CONNECTIONS OF ALL EQUIPMENT TO BUILDING STRUCTURE FOR WIND LOADING ARE TO BE DESIGNED AND ENGINEERED BY A REGISTERED SPECIALTY ENGINEER RETAINED BY THE CONTRACTOR. DESIGN CRITERIA FOR WIND LOADING SHALL BE AS INDICATED IN THE CONSTRUCTION DOCUMENTS AND PER LOCAL CODES FOR THE PROJECT LOCATION AND BUILDING CATEGORY. SIGNED AND SEALED DRAWINGS AND CALCULATIONS ARE TO BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL. THE SUBMITTAL SHALL INCLUDE ATTACHMENT DETAILS OF THE EQUIPMENT TO THE STRUCTURE WITH DESIGN LOADS, LOCATIONS, AND METHODS OF ATTACHMENT. THE CONTRACTOR SHALL ALSO SUBMIT THE INFORMATION TO THE STRUCTURAL ENGINEER TO COORDINATE THE DESIGN OF THE PRIMARY STRUCTURAL FRAME WITH THE FINAL LOADS AND ATTACHMENTS SUBMITTED.

CONTROLS SCHEMATIC SYMBOLS LEGEND

AI	ANALOG INPUT	FS	FLOW SWITCH
AO	ANALOG OUTPUT	DAT	DISCHARGE AIR TEMPERATURE SENSOR
DI/BI	DIGITAL/BINARY INPUT	S	WALL SENSOR
DO/BO	DIGITAL/BINARY OUTPUT	T	THERMOSTAT
MD	ON-OFF MOTORIZED DAMPER	CO2	CARBON DIOXIDE SENSOR
MMD	MODULATING TYPE MOTORIZED DAMPER	SP	SET POINT
AFMS	AIR FLOW MEASURING STATION	S/A	SUPPLY AIR
MCV	CONTROL VALVE MODULATING TYPE	R/A	RETURN AIR
VFD	VARIABLE FREQUENCY DRIVE	O/A	OUTSIDE AIR
CSR	CURRENT SENSING RELAY	HC	HEATING COIL
FRZ	FREEZESTAT	CC	COOLING COIL
HSL	HIGH STATIC LIMIT	DX	DIRECT EXPANSION COOLING COIL
SPT	STATIC PRESSURE TRANSMITTER	PICCV	PRESSURE INDEPENDENT CHARACTERIZED CONTROL VALVE
DPT	DIFFERENTIAL PRESSURE TRANSDUCER	AFC	AIRFLOW CROSS
FM	FLOW METER	DPS	DIFFERENTIAL PRESSURE SWITCH

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DAVID W. CARTER HIGH SCHOOL BLACK BOX RENOVATIONS AND ADDITION

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DALLAS INDEPENDENT SCHOOL DISTRICT

STATE OF TEXAS
RYAN G. MILLER
131259
LICENSED PROFESSIONAL ENGINEER
08-25-25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025-08-25	230050

DRAWING HISTORY

No.	Description	Date

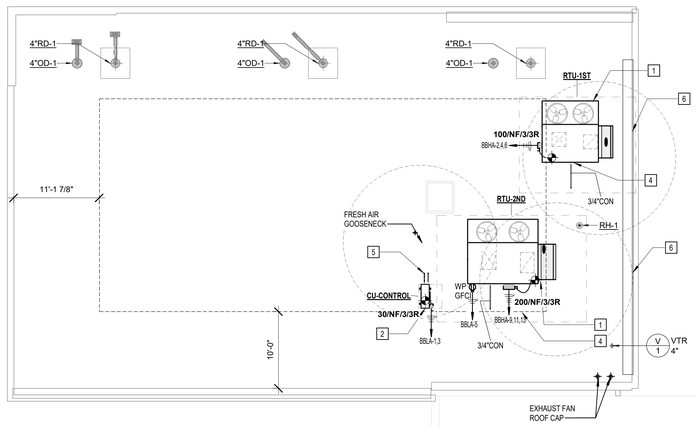
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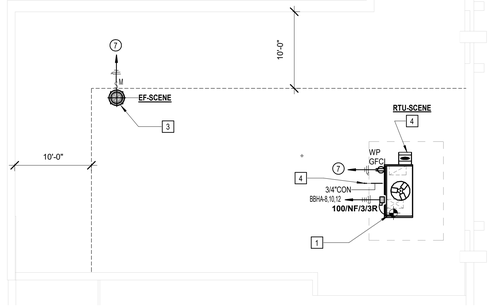
MECHANICAL SYMBOL LEGEND

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JONESDBR Project # 2306.000

RM	CQ	AB/JCH	MC	--

M001





1 MEP102 **BLACK BOX ROOF**
1/8" = 1'-0"

GENERAL PLUMBING NOTES: (ROOF PLAN)

1. ALL PRIMARY AND OVERFLOW ROOF DRAIN AND STORM PIPE SIZING IS BASED ON A RAINFALL RATE OF EIGHT (4.25) INCHES PER HOUR.
2. CONFIRM FINAL DRAIN LOCATIONS WITH LATEST ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION. MAKE ADJUSTMENTS AS REQUIRED.
3. UNLESS NOTED OTHERWISE, ROOF AREAS WITH NO ROOF DRAINS SHOWN ARE TO SHEET FLOW TO AND DRAIN VIA THE BUILDING EDGE. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF CONSTRUCTION AND FOR ANY DETAILS REGARDING GUTTERS AND/OR DOWNSPOUTS.
4. IF VENT TERMINAL LOCATIONS ARE NOT SHOWN ON THIS DRAWING, REFER TO INDIVIDUAL FLOOR PLANS AND COORDINATE ACCORDINGLY.
5. ALL VENT TERMINALS SHALL BE LOCATED NO LESS THAN FIFTEEN (10) FEET AWAY FROM ANY OPERABLE WINDOW, DOOR, OUTSIDE AIR INTAKE, OR SUPPLY AIR FAN.
6. ALL VERTICAL STORM CONDUCTORS WITHIN THE BUILDING SHALL BE LOCATED AND ROUTED CONCEALED FROM PUBLIC VIEW WITHIN CHASES/FURR-OUTS PROVIDED. REFER TO LATEST ARCHITECTURAL DRAWINGS. COORDINATE IN FIELD AND MAKE ADJUSTMENTS AS REQUIRED.

MECHANICAL KEYED NOTES

1 PROVIDE PACKAGED ROOFTOP UNIT ON ROOF AT APPROXIMATE LOCATION SHOWN. PROVIDE UNIT WITH ROOF CURB TO MATCH ROOF SLOPE. PROVIDE ALL CLEARANCES AROUND UNIT AS REQUIRED BY EQUIPMENT MANUFACTURER. COORDINATE FINAL LOCATION WITH STRUCTURAL. RE: DETAIL 13 / M601.

2 PROVIDE ROOF MOUNTED AIR COOLED CONDENSING UNIT AT APPROXIMATE LOCATION SHOWN. INSTALL UNIT ON ROOF CURB SUPPORTS. PROVIDE ALL CLEARANCES AROUND CONDENSER AS REQUIRED BY EQUIPMENT MANUFACTURER. RE: DETAIL 18 / M601.

3 PROVIDE ROOF MOUNTED EXHAUST FAN AT APPROXIMATE LOCATION SHOWN. PROVIDE FAN WITH ROOF CURB TO MATCH ROOF SLOPE. RE: 23 / M601.

4 CONNECT CONDENSATE DRAIN LINE TO ROOFTOP UNIT AND EXTEND THRU THE ROOF. SIZE AS INDICATED. FIELD COORDINATE EXACT ROUTING. PROVIDE WITH P-TRAP AND PIPE ROOF SUPPORTS AT A MAXIMUM OF 10' O.C. RE: DETAIL 14, 15, 16 / M601.

5 ROUTE REFRIGERANT PIPING FROM AIR COOLED CONDENSING UNIT DOWN THROUGH ROOF TO INDOOR FAN COIL UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. FIELD VERIFY EXACT PIPING ROUTING. RE: DETAIL 16, 20 / M601.

6 PROVIDE 42" TALL RAIL GUARD THAT EXTENDS NO LESS THAN 30" BEYOND THE EQUIPMENT LENGTH. THE GUARD SHALL BE CONSTRUCTED TO PREVENT THE PASSAGE OF A 21" DIAMETER SPHERE.

7 CONNECT TO EXISTING CIRCUIT SERVING THIS AREA DOCUMENTED DURING DEMOLITION.

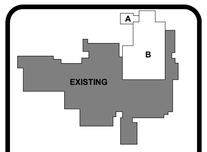
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KEY PLAN
NORTH: PLAN TRUE



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MEP ROOF PLAN

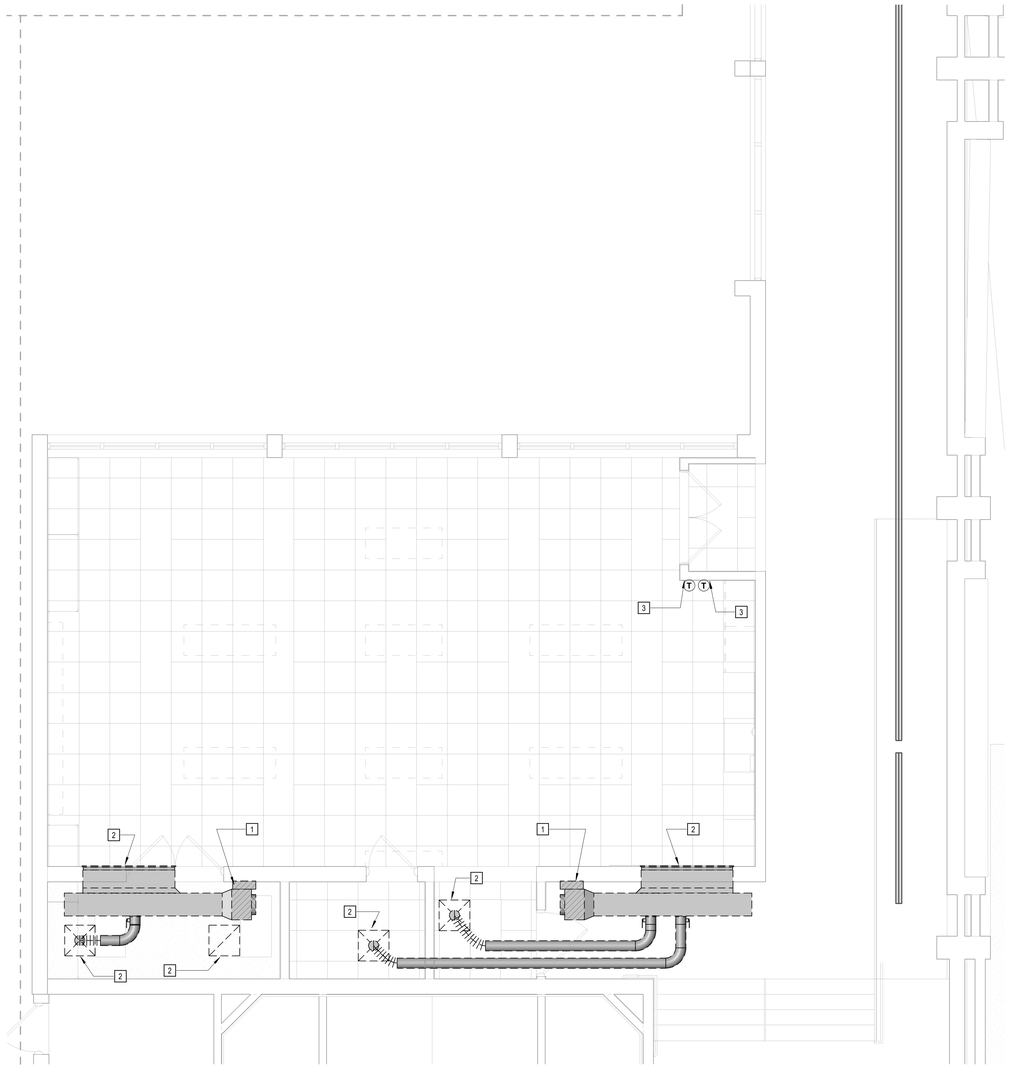
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MEP102

0"

1"



MECHANICAL KEYED NOTES

1 EXISTING SINGLE INLET VAV BOX AND ALL ASSOCIATED DUCTWORK SHALL BE REMOVED AND SALVAGED TO THE OWNER. CAP BACK TO THE MAIN MEDIUM PRESSURE DUCTWORK.

2 EXISTING AIR DEVICE AND ALL ASSOCIATED DAMPERS, HANGERS, AND ACCESSORIES SHALL BE REMOVED.

3 EXISTING THERMOSTAT AND ALL ASSOCIATED WIRING SHALL BE REMOVED IN THEIR ENTIRETY.

1 / MD313 ENLARGED MECHANICAL DEMOLITION PLAN - SCENE ROOM

1/4" = 1'-0"

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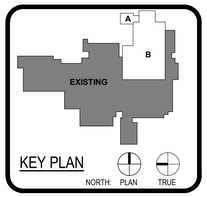
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NORTH: PLAN TRUE



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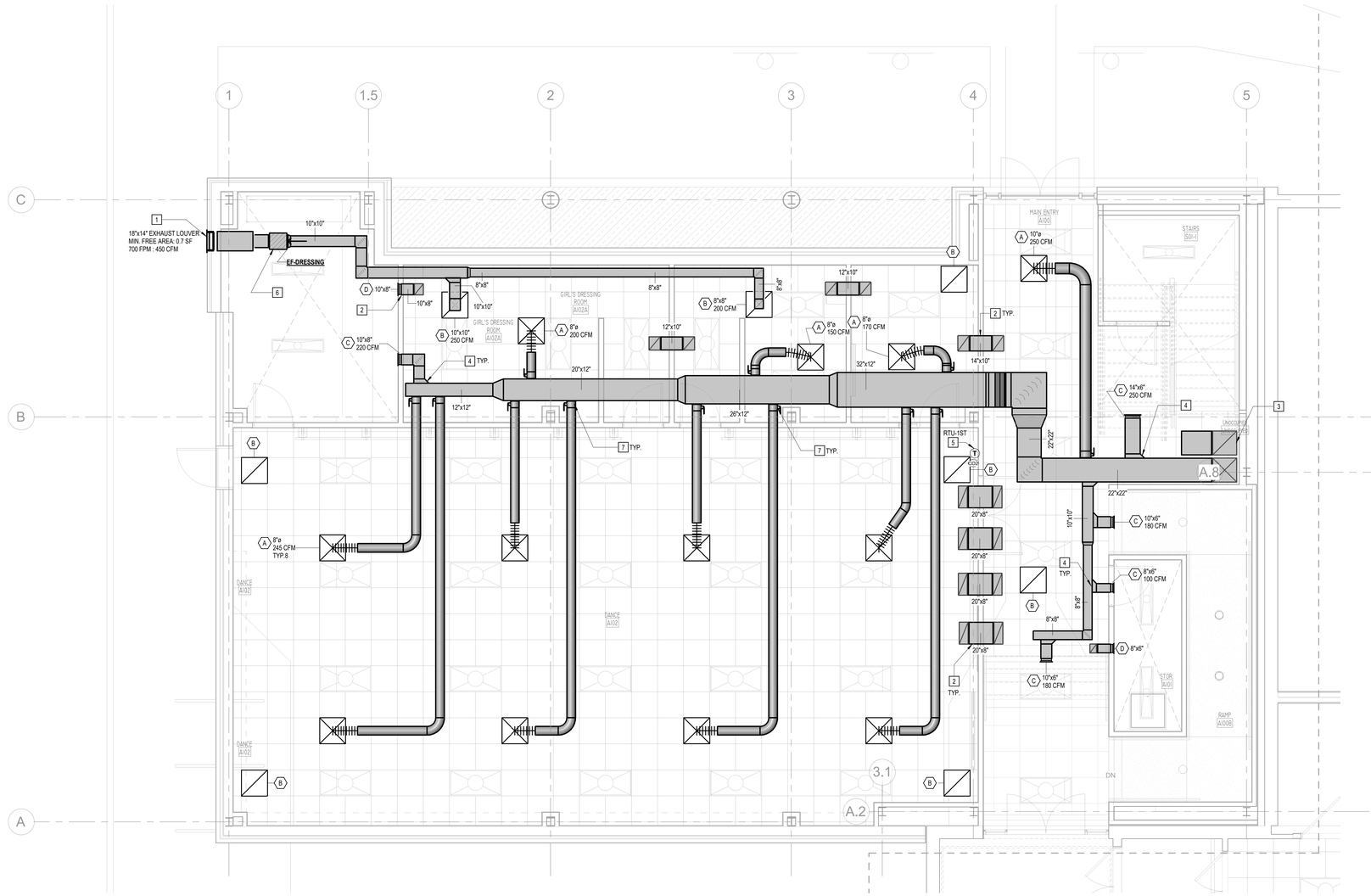
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ENLARGED MECHANICAL DEMOLITION PLAN - SCENE ROOM

MD313

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1 M311 **ENLARGED MECHANICAL PLAN - BLACK BOX ADDITION LEVEL 1**
1/4" = 1'-0"

MECHANICAL KEYED NOTES

1 PROVIDE EXHAUST LOUVER AT APPROXIMATE LOCATION SHOWN. REFER TO ARCHITECTURAL FOR FINAL DIMENSIONS, MODEL, ELEVATION, AND FINISH. PROVIDE 18" DEEP SHEET METAL PLENUM AT BACK OF LOUVER FOR EXHAUST AIR DUCT ATTACHMENT. LOUVER DIMENSIONS IS BASED ON RUSKIN MODEL ELF6375DX DRAINABLE STATIONARY LOUVER. RE: DETAIL 22 / M601.

2 PROVIDE RETURN AIR TRANSFER BOOT / SIDEWALL RETURN AIR TRANSFER BOOT. SIZE AS INDICATED. PROVIDE WITH 2" FIBERGLASS DUCT LINER. DETAIL: RE 7, 8 / M601.

3 EXTEND SUPPLY AND RETURN MAIN DUCTWORK INSIDE 2ND LEVEL DUCTWORK CHASE.

4 PROVIDE RECTANGULAR DUCT BRANCH CONNECTION WITH OPPOSED BLADE DAMPER AND LOCKING QUADRANT, USE YOUNG'S REGULATOR IN CEILING IF DAMPER IS NOT ACCESSIBLE. PARALLEL BLADE DAMPER SHALL BE USED IF BRANCH DUCT HEIGHT IS 9" OR LESS INSIDE. TYPICAL. RE: 2, 6, 9, 10 / M601.

5 PROVIDE THERMOSTAT AT APPROXIMATE LOCATION SHOWN. THERMOSTAT SHALL BE INSTALLED AT SAME ELEVATION AS LIGHT SWITCHES. COORDINATE FINAL LOCATION WITH ARCHITECT AND OTHER TRADES TO AVOID CONFLICTS.

6 PROVIDE IN-LINE FAN AT APPROXIMATE LOCATION SHOWN. SUSPEND FAN FROM STRUCTURE. PROVIDE NECESSARY DUCT TRANSITIONS FROM FAN INLET AND DISCHARGE. RE: DETAIL 12 / M601.

7 PROVIDE SPIN-IN FITTING WITH LOCKING QUADRANT BUTTERFLY DAMPER FOR ALL ROUND DUCT CONNECTIONS TO RECTANGULAR DUCT. PROVIDE REMOTE SPIN-IN DAMPER OPERATOR FOR SPIN-IN CONNECTIONS AND VOLUME DAMPERS LOCATED OVER GYPSUM CEILINGS. DETAIL: RE 3, 4, 5 / M601.

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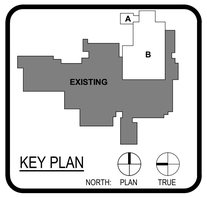
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DAVID W. CARTER HIGH SCHOOL BLACK BOX RENOVATIONS AND ADDITION

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025-08-25	230050

DRAWING HISTORY

No.	Description	Date

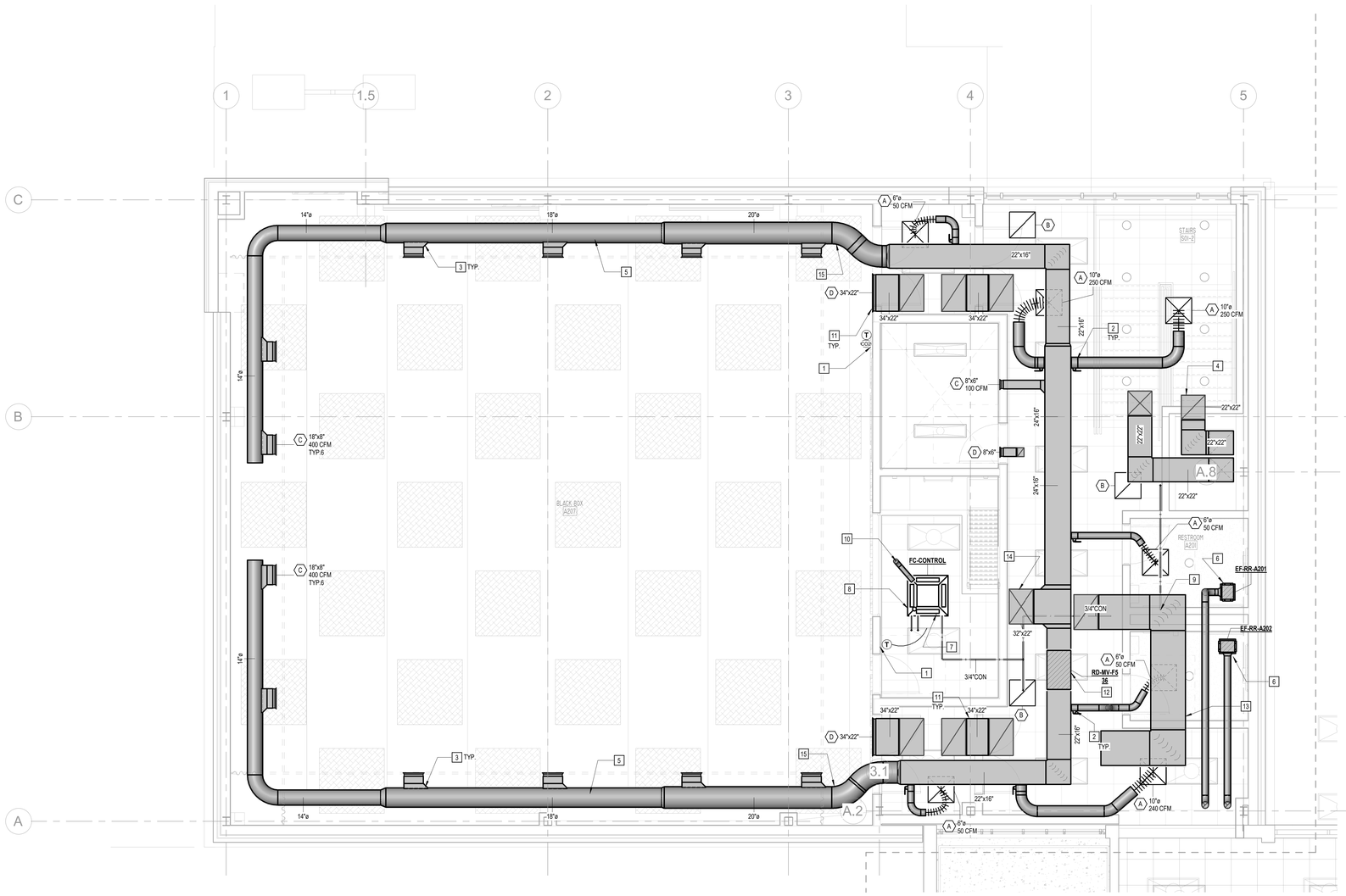
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ENLARGED MECHANICAL PLAN - BLACK BOX LEVEL 1

M311

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https://www.jonesdbr.com/
TBPE Firm Registration No. 13002
JONESDBR Project # 2306.000

RM	CQ	AB/JCH	MC	--



1 M312 **ENLARGED MECHANICAL PLAN - BLACK BOX ADDITION LEVEL 2**
1/4" = 1'-0"

MECHANICAL KEYED NOTES

1 PROVIDE THERMOSTAT AT APPROXIMATE LOCATION SHOWN. THERMOSTAT SHALL BE INSTALLED AT SAME ELEVATION AS LIGHT SWITCHES. COORDINATE FINAL LOCATION WITH ARCHITECT AND OTHER TRADES TO AVOID CONFLICTS.

2 PROVIDE SPIN-IN FITTING WITH LOCKING QUADRANT BUTTERFLY DAMPER FOR ALL ROUND DUCT CONNECTIONS TO RECTANGULAR DUCT. PROVIDE REMOTE SPIN-IN DAMPER OPERATOR FOR SPIN-IN CONNECTIONS AND VOLUME DAMPERS LOCATED OVER GYPSUM CEILINGS. DETAIL: RE 3, 4, 5 / M601.

3 PROVIDE RECTANGULAR DUCT BRANCH CONNECTION WITH OPPOSED BLADE DAMPER AND LOCKING QUADRANT, USE YOUNG'S REGULATOR IN CEILING IF DAMPER IS NOT ACCESSIBLE. PARALLEL BLADE DAMPER SHALL BE USED IF BRANCH DUCT HEIGHT IS 9" OR LESS INSIDE. TYPICAL. RE: 2, 6, 9, 10 / M601.

4 EXTEND SUPPLY AND RETURN MAIN DUCTWORK THRU THE ROOF AND CONNECT TO ASSOCIATED ROOF TOP UNIT. TRANSITION DUCTWORK AS REQUIRED. PROVIDE WITH COMMERCIAL GRADE FLEXIBLE CONNECTOR. FIELD COORDINATE FINAL LOCATION WITH ROOF STRUCTURE. RE: DETAIL 13 / M601.

5 EXPOSED DUCTWORK SHALL BE DOUBLE WALL.

6 PROVIDE CEILING FAN AT APPROXIMATE LOCATION SHOWN. SUSPEND FAN FROM STRUCTURE. PROVIDE NECESSARY DUCT TRANSITIONS FROM FAN/DISCHARGE AND EXTEND THRU THE ROOF. PROVIDE WITH ROOF CAP DISCHARGE ACCESSORY. WEATHER PROOF ROOF PENETRATION AS REQUIRED. RE: DETAIL 11 / M601.

7 PROVIDE CEILING CASSETTE AT APPROXIMATE LOCATION SHOWN. SUPPORT UNIT FROM STRUCTURE. PROVIDE ALL CLEARANCES AS REQUIRED BY EQUIPMENT MANUFACTURER. COORDINATE WITH ADJACENT PIPING, WALLS, CONDUIT, STRUCTURAL MEMBERS, ETC. EXTEND REFRIGERANT PIPING AND CONNECT TO ASSOCIATED CONDENSING UNIT. CONNECT 3/4" CONDENSATE DRAIN AND EXTEND AS NOTED. RE: DETAIL 17, 19 / M601.

8 ROUTE REFRIGERANT PIPING FROM CEILING CASSETTE UNIT TO ASSOCIATED AIR COOLED CONDENSING UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. FIELD COORDINATE EXACT ROUTING. RE: DETAIL 19, 21 / M601.

9 ROUTE 3/4" CONDENSATE DRAIN DOWN INSIDE WALL PARTITION TO PLUMBING TAILPIECE LOCATED BELOW LAVATORY. COORDINATE EXACT CONNECTION LOCATION WITH PLUMBING. DETAIL 24 / M601.

10 FRESH AIR DUCTWORK GOES UP THRU THE ROOF AND TERMINATE WITH A GOOSENECK, PROVIDE WITH BACK DRAFT DAMPER. TRANSITION DUCTWORK AS REQUIRED. BALANCE AS NOTED ON SCHEDULE.

11 PROVIDE RETURN AIR TRANSFER BOOT / SIDEWALL RETURN AIR TRANSFER BOOT. SIZE AS INDICATED. PROVIDE WITH 2" FIBERGLASS DUCT LINER. DETAIL: RE 7, 8 / M601.

12 PROVIDE DUCT SILENCER AT APPROXIMATE LOCATION SHOWN. INSTALL PER MANUFACTURER RECOMMENDATIONS. COORDINATE WITH ACOUSTICIAN CONSULTANT FOR EXACT LOCATION. PROVIDE AS NOTED ON SILENCER SCHEDULE.

13 PROVIDE COMPLETE MAIN RETURN DUCTWORK RUN WITH 2" FIBERGLASS DUCT LINER.

14 PROVIDE MAIN SUPPLY DUCTWORK WITH 2" FIBERGLASS DUCT LINER FROM RTU CONNECTION AND AS NOTED INDICATED ON MECHANICAL KEYED NOTE 15.

15 PROVIDE MAIN SUPPLY DUCTWORK WITH 2" FIBERGLASS DUCT LINER FROM RTU CONNECTION TO APPROXIMATE THIS POINT.

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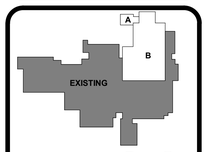
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DAVID W. CARTER HIGH SCHOOL BLACK BOX RENOVATIONS AND ADDITION

ORG 023
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KEY PLAN
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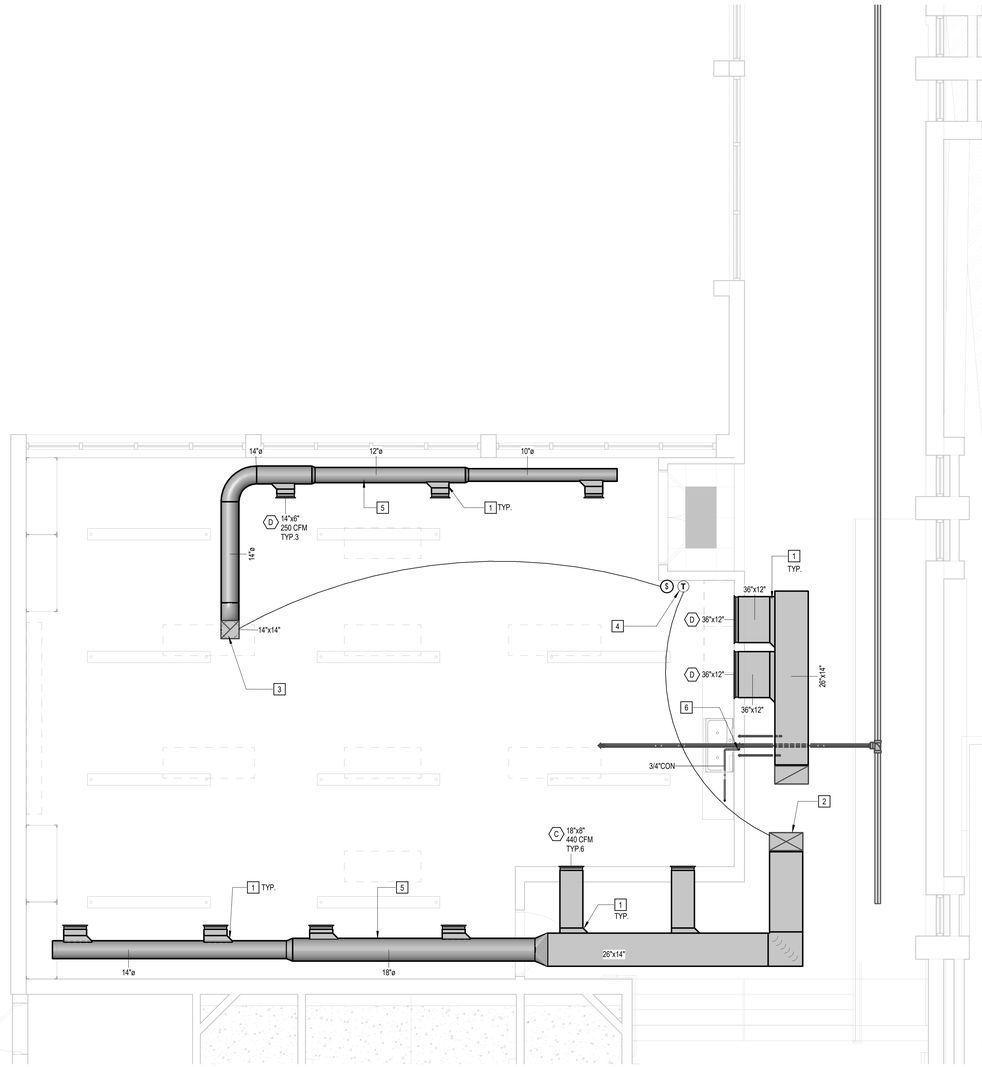
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No.	Description	Date

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ENLARGED MECHANICAL PLAN - BLACK BOX LEVEL 2

M312



1 M313 **ENLARGED MECHANICAL PLAN - SCENE ROOM**
1/4" = 1'-0"

MECHANICAL KEYED NOTES

1 PROVIDE RECTANGULAR DUCT BRANCH CONNECTION WITH OPPOSED BLADE DAMPER AND LOCKING QUADRANT. USE YOUNG'S REGULATOR IN CEILING IF DAMPER IS NOT ACCESSIBLE. PARALLEL BLADE DAMPER SHALL BE USED IF BRANCH DUCT HEIGHT IS 9" OR LESS INSIDE. TYPICAL. RE: 2, 6, 9, 10 / M601.

2 EXTEND SUPPLY AND RETURN MAIN DUCTWORK THRU THE ROOF AND CONNECT TO ASSOCIATED ROOF TOP UNIT. TRANSITION DUCTWORK AS REQUIRED. PROVIDE WITH COMMERCIAL GRADE FLEXIBLE CONNECTOR. FIELD COORDINATE FINAL LOCATION WITH ROOF STRUCTURE. RE: DETAIL 13 / M601.

3 EXHAUST DUCTWORK GOES UP THRU THE ROOF AND CONNECT TO ASSOCIATED ROOF MOUNTED EXHAUST FAN. TRANSITION DUCTWORK ASREQUIRED. RE: DETAIL 23 / M601.

4 PROVIDE COMBINATION TEMPERATURE/HUMIDITY SENSOR AT APPROXIMATE LOCATION SHOWN. SENSOR SHALL BE INSTALLED AT SAME ELEVATION AS LIGHT SWITCHES. COORDINATE FINAL LOCATION WITH ARCHITECT AND OTHER TRADES TO AVOID CONFLICTS.

5 EXPOSED DUCTWORK SHALL BE DOUBLE WALL.

6 ROUTE 3/4" CONDENSATE DRAIN DOWN INSIDE WALL PARTITION TO PLUMBING TAILPIECE LOCATED BELOW LAVATORY. COORDINATE EXACT CONNECTION LOCATION WITH PLUMBING. DETAIL 24 / M601.

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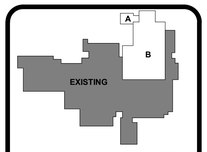
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DAVID W. CARTER HIGH SCHOOL BLACK BOX RENOVATIONS AND ADDITION

ORG 023
1919 W WHEATLAND RD.
DALLAS, TX 75232
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DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN NORTH: PLAN TRUE



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DATE	PROJECT NUMBER
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DRAWING HISTORY

No.	Description	Date

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ENLARGED MECHANICAL PLAN - SCENE ROOM

M313

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JONESDBR Project # 2306.000

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AIR DEVICE SCHEDULE

MARK	MFR. & MODEL	TYPE	REMARKS
A	TITUS TMS-AA	LOUVERED FACE SUPPLY AIR DIFFUSER	SEE PLAN FOR FACE SIZE. ALUMINUM CONSTRUCTION WITH FRAME FOR LAY-IN CEILING OR HARD CEILING, DEPENDING ON CEILING TYPE. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE; SIZE NECK ACCORDING TO DRAWING.
B	TITUS PAR-AA	PERFORATED FACE RETURN AIR GRILLE	24"x24" FACE, ALUMINUM CONSTRUCTION WITH FRAME FOR LAY-IN CEILING OR HARD CEILING, DEPENDING ON CEILING TYPE. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE; SIZE NECK ACCORDING TO DRAWING. PROVIDE 22"x22" NECK UNLESS OTHERWISE NOTED. PROVIDE O.B.D. FOR DUCTED EXHAUST.
C	TITUS 300FL	SIDEWALL SUPPLY AIR GRILLE	ALUMINUM CONSTRUCTION WITH FRAME FOR SURFACE MOUNT. 3/4" BLADE SPACING, DOUBLE DEFLECTION WITH FRONT BLADES PARALLEL TO LONG DIMENSION. PROVIDE O.B.D.
D	TITUS 350FL	SIDEWALL RETURN AIR GRILLE	ALUMINUM CONSTRUCTION WITH FRAME FOR SURFACE MOUNT. 3/4" BLADE SPACING, 35° DEFLECTION WITH BLADES PARALLEL TO LONG DIMENSION. PROVIDE O.B.D. FOR DUCTED EXHAUST.

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH.
2. REFER TO MECHANICAL FLOOR PLAN FOR NECK SIZES.

HEAT PUMP SPLIT SYSTEM SCHEDULE

INDOOR UNIT	
MARK	FC-CONTROL
LOCATION	CONTROL ROOM
INDOOR UNIT TYPE	CEILING CASSETTE
SUPPLY AIR (CFM)	600
OUTSIDE AIR (CFM)	60
EXT. S.P. (IN. W.G.)	--
VOLTS/PHASE/HERTZ	208 / 230 / 1 / 60
MCA	--
POWER SUPPLY	POWERED BY THE OUTDOOR UNIT
FAN MOTOR OUTPUT	--
TOTAL COOLING CAPACITY (MBH)	14.5
TOTAL HEATING CAPACITY (MBH)	10.12
MANUFACTURER	MITSUBISHI / TRANE
MODEL NUMBER	PLA-A18EA7
OUTDOOR UNIT	
MARK	CU-CONTROL
EFFICIENCY SEER / EER / HSPF / COP	24.6 / 14.4 / 11 / 4.28
AMBIENT TEMP. (°F)	105
NOMINAL CAPACITY	1.5 TON
REFRIGERANT TYPE	R410A
VOLTS/PHASE/HERTZ	208 -230 / 1 / 60
MCA	11
MOCP	28
MANUFACTURER	MITSUBISHI / TRANE
MODEL NUMBER	PUZ-A18NKA7
NOTES	ALL

1. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
2. PROVIDE WALL MOUNTED THERMOSTAT. PROVIDE CONTROLLER WITH BACNET INTERFACE CARD FOR INTEGRATION WITH EMCS.
3. PROVIDE CONDENSATE PUMP AND DISCONNECT SWITCH.
4. PROVIDE WITH CONDENSER COIL HAIL GUARD.
5. REFRIGERANT LINES TO BE SIZED BY MANUFACTURER.
6. PROVIDE WITH 5 YEARS PARTS AND 7 YEARS COMPRESSOR WARRANTY.

PACKAGED DX ROOF TOP UNIT SCHEDULE

MARK	RTU-1ST	RTU-2ND	RTU-SCENE
ALTITUDE	550	550	550
UNIT TYPE	SZVAV	SZVAV	SZVAV
TONNAGE	13 TON	18 TONS	10 TON
DUCT CONFIGURATION	VERTICAL	VERTICAL	VERTICAL
DESIGN SUPPLY AIR (CFM)	3,660	5,800	2,640
DESIGN OUTDOOR AIR (CFM)	1,000	1,950	700
MINIMUM OUTDOOR AIR (CFM)	600	975	--
IEER / EER	11.95 EER / 14.9 IEER	12.05 EER / 15.97 IEER	11.86 EER / 14.9 IEER
EXT. S.P. (IN. W.G.)	1.80	1.50	1.00
FAN MOTOR HORSEPOWER	3.0	5.0	2.0
FAN TYPE AND DRIVE	DIRECT DRIVE BACKWARD CURVED ALUMINUM	DIRECT DRIVE BACKWARD CURVED ALUMINUM	DIRECT DRIVE BACKWARD CURVED ALUMINUM
COOLING DATA			
AMBIENT AIR (°F)	105.0	105.0	105.0
TOTAL COOLING CAPACITY (MBH)	143.6	206.6	110.1
TOTAL SENSIBLE CAPACITY (MBH)	106.7	167.8	75.4
EAT DB/WB (°F)	81.9 / 66.5	84.3 / 67.6	83.4 / 69.0
LAT DB/WB (°F)	55 / 54	55 / 54	55 / 54
HEATING DATA (NATURAL GAS)			
HEATING INPUT (KW)	50.0	80.0	40.0
EAT DB (°F)	55.0	50.7	52.6
MIN. LAT DB/WB (°F)	95.0	95.0	95.0
ELECTRICAL DATA			
VOLTS/PHASE/HERTZ	460V/3Ph/60Hz	460V/3Ph/60Hz	460V/3Ph/60Hz
MCA	66.0	108.0	64.0
MOCP	80.0	125.0	70.0
MANUFACTURER	AAON	AAON	AAON
MODEL NO.	RNA-013	RNA-018	RNA-010
OPERATING WEIGHT (LBS)	1,855	3,061	1,308
NOTES	1,2,3,4,5,6,7,8,9,10,11, 12, 13, 14, 16	1,2,3,4,5,6,7,8,9,10,11, 12, 13, 14,15, 16	1,2,3,4,5,6,7,8,9,10,11, 12, 13, 16

NOTES:

1. EXTERNAL STATIC PRESSURE DOES NOT ACCOUNT FOR LOSSES DUE TO COIL(S), FILTERS, HOUSING, NOR ACCESSORIES.
2. PROVIDE UNIT WITH OUTDOOR AIR INTAKE HOOD WITH MODULATING MOTORIZED DAMPER.
3. PROVIDE UNIT WITH SINGLE POINT ELECTRICAL CONNECTION.
4. PROVIDE FLOAT SWITCH IN PRIMARY DRAIN PAN TO DE-ENERGIZE THE UNIT WHEN PRIMARY DRAIN LINE BECOMES RESTRICTED.
5. PROVIDE UNITS WITH MINIMUM MERV 13 FILTERS. PROVIDE WITH HOT GAS REHEAT FOR HUMIDITY CONTROL.
6. PROVIDE UNIT CONTROLLER BY MANUFACTURER. PROVIDE CONTROLLER WITH BACNET INTERFACE CARD FOR INTEGRATION WITH EMCS.
7. PROVIDE UNIT WITH DUCT MOUNTED SMOKE DETECTORS IN RETURN DUCTWORK FOR ALL UNITS DISCHARGING IN EXCESS OF 2,000 CFM. PROVIDE WITH REMOTE SMOKE DETECTOR TESTER / INDICATOR.
8. PROVIDE UNIT WITH CONDENSER HAIL GUARD AND 14" PREFABRICATED ROOF CURB.
9. PROVIDE UNIT WITH O-100 COMPARATIVE ENTHALPY ECONOMIZER AND BAROMETIC RELIEF.
10. PROVIDE UNIT WITH INTEGRAL DISCONNECT SWITCH AND POWERED CONVENIENCE OUTLET.
11. PROVIDE WITH VARIABLE CAPACITY SCROLL COMPRESSORS.
12. PROVIDE WITH DOUBLE WALL RIGID POLYURETHANE FOAM PANEL CONSTRUCTION, R-13 INSULATION.
13. PROVIDE UNIT WITH MINIMUM SHORT CIRCUIT CURRENT RATING (SCCR) OF 65,000 AIC.
14. CONTROL CONTRACTOR TO PROVIDE WITH AN EBTRON GOLD SERIES AIR FLOW MEASURING STATION (AFMS) AND AN EXTEND OUTDOOR AIR HOOD FOR USE WITH AFMS FOR DEMAND CONTROL VENTILATION.
15. PROVIDE WITH POWER EXHAUST.
16. PROVIDE WITH SCR MODULATING HEATING CONTROL.

FAN SCHEDULE

MARK	EF-RR-A201, A202	EF-SCENE	EF-DRESSING
SERVES	RESTROOMS	SCENE ROOM	DRESSING ROOMS
TYPE/DRIVE	CEILING / DIRECT	ROOF MOUNTED	INLINE
INTERLOCK	ROOM LIGHTING	SWITCH	RTU-
CFM (MIN./MAX.)	75	750	450
EXT. S.P. (IN. W.G.)	0.30	0.40	0.30
HORSEPOWER (WATTS)	18 WATTS	1 / 6	1 / 10
FAN SPEED (RPM)	1,100	1,637	1,505
SONES (MAX.)	1.2	9.7	6.0
VOLTS/PHASE/HERTZ	115 / 1 / 60	115 / 1 / 60	115 / 1 / 60
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK
MODEL NUMBER	SP-A125	G-095-VG	SQ-90-VG
NOTES	1,2,3,4,5	1,2, 6, 7	1,2, 3, 6

NOTES:

1. EXTERNAL STATIC PRESSURE DOES NOT ACCOUNT FOR LOSSES DUE TO FILTERS, HOUSING, NOR ACCESSORIES.
2. PROVIDE WITH DIRECT DRIVE, ELECTRONICALLY COMMUTATED FAN MOTOR (ECM).
3. FAN SHALL BE SUSPENDED FROM STRUCTURE ABOVE. PROVIDE WITH VIBRATION ISOLATORS AND BACKDRAFT DAMPER.
4. PROVIDE WITH ROOF CAP DISCHARGE ACCESORY. INSTALL 15' FEET FROM ANY AIR INTAKE OR BUILDING OPENING.
5. FAN SHALL BE INTERLOCKED WITH LIGHT SWITCH SUCH THAT FAN WILL BE ENERGIZED WHEN THE LIGHT SWITCH IS ON AND DE-ENERGIZED WHEN THE LIGHT SWITCH IS OFF.
6. FAN SHALL BE HARDWIRE INTERLOCKED WITH ASSOCIATED (HOOD/WALL, OR AS NOTED) SWITCH.
7. PROVIDE WITH 14" PREFABRICATED ROOF CURB, ANGLED WEATHER HOOD, MOTORIZED OUTLET DAMPER, AND BIRD SCREEN.

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DAVID W. CARTER HIGH SCHOOL BLACK BOX RENOVATIONS AND ADDITION

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT

STATE OF TEXAS
RYAN G. MILLER
131259
LICENSED PROFESSIONAL ENGINEER
08-25-25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025-08-25	230050

DRAWING HISTORY

No.	Description	Date

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MECHANICAL SCHEDULES

M501

SILENCER SCHEDULE (VIBRO-ACOUSTICS)																			
TAG	SYSTEM	TYPE (NOTE 1)	DIMENSIONS			AIRFLOW, CFM	VELOCITY, FPM (NOTE 2)	IDEAL DP IN.W.G. (NOTE 3)	MAX.DP W/SYS EFF IN.W.G. (NOTE 4)	MINIMUM DYNAMIC INSERTION LOSS, dB (NOTE 5)								BASIS OF DESIGN VIBRO-ACOUSTICS MODEL NUMBER	NOTES
			DUCT WIDTH, IN.	DUCT HEIGHT, IN.	LENGTH IN.					OCTAVE BAND CENTER FREQUENCY, HZ									
										63	125	250	500	1000	2000	4000	8000		
RD-MV-F5 36	Black Box Supply (Plan South Branch)	RD	22	16	36	2143	+877	0.08	0.11	3	6	11	18	21	16	11	8	RD-MV-F5	

Notes:
1. TYPE R - RECTANGULAR D - DISSIPATIVE
2. VELOCITY SHOWN IS + (FORWARD FLOW) OR - (REVERSE FLOW) AS DEFINED BY ASTM E477-20.
3. IDEAL PRESSURE DROP AS DETERMINED PER ASTM E477-20 IN A NVLAP-ACCREDITED ACOUSTICAL LABORATORY.
4. PRESSURE DROP PER ASTM E477-20 PLUS SYSTEM EFFECTS FOR NEARBY DUCT ELEMENTS.
5. MINIMUM DYNAMIC INSERTION LOSS DETERMINED PER ASTM E477-20 IN A NVLAP-ACCREDITED ACOUSTICAL LABORATORY.

COMcheck Software Version COMcheckWeb

Mechanical Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	Carter HS Black Box Addition
Location:	Dallas, Texas
Climate Zone:	2a
Project Type:	Addition

Construction Site:
1819 W WHEATLAND RD.
DALLAS, Texas 75232

Owner/Agent:
DALLAS INDEPENDENT SCHOOL DISTRICT
9400 N. CENTRAL EXPRESSWAY
DALLAS, Texas 75231
972-925-3700

Designer/Contractor:

Mechanical Systems List

Quantity System Type & Description

1 RTU-1ST (Single Zone):
Heating: 1 each - Other, Electric, Capacity = 170 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Single Package DX Unit, Capacity = 143 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 11.95 EER, Required Efficiency = 11.00 EER
Proposed Part Load Efficiency = 14.90 IEER, Required Part Load Efficiency = 14.20 IEER
Fan System: 3.0 HP -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
3 HP Supply, Single-Zone VAV, 3660 CFM, 3.0 motor nameplate hp, 1.22 fan energy index , fan exception: Single fan <= 5HP

1 RTU-2ND (Single Zone):
Heating: 1 each - Other, Electric, Capacity = 273 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Single Package DX Unit, Capacity = 207 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 12.05 EER, Required Efficiency = 11.00 EER
Proposed Part Load Efficiency = 15.97 IEER, Required Part Load Efficiency = 14.20 IEER
Fan System: 5 HP -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
5 HP Supply, Single-Zone VAV, 5800 CFM, 5.0 motor nameplate hp, 1.12 fan energy index , fan exception: Single fan <= 5HP

1 RTU-SCENE (Single Zone):
Heating: 1 each - Other, Electric, Capacity = 137 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Single Package DX Unit, Capacity = 110 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 11.95 EER, Required Efficiency = 11.20 EER
Proposed Part Load Efficiency = 14.90 IEER, Required Part Load Efficiency = 14.80 IEER
Fan System: 2 HP -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
2 HP Supply, Single-Zone VAV, 2640 CFM, 2.0 motor nameplate hp, 1.39 fan energy index , fan exception: Single fan <= 5HP

1 Water Heater:
Electric Instantaneous Water Heater, Capacity: 1 gallons
No minimum efficiency requirement applies

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Cruz Quinones - Mechanical Designer — Name - Title
Signature
2024-09-03 — Date

JONES DBR
STATE OF TEXAS HUB FIRM
915.781.1711 p
https://www.jonesdbr.com/
TBPE Firm Registration No. 13002
JONESDBR Project # 2306.000

RM	CQ	AB/JCH	MC	--

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972-233-1373 F
TX Firm: BR 1608
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STRUCTURAL
Charles Goger and Associates, Inc.
T 214-360-1195
MEP
JONES DBR
T 214-217-9500
TECHNOLOGY
LEAF ENGINEERS
T 972-233-1323
ACOUSTIC
Pinnacle
T 972-994-3700
BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL BLACK BOX
RENOVATIONS AND ADDITION
ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232
ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT

STATE OF TEXAS
RYAN G. MILLER
131259
LICENSED PROFESSIONAL ENGINEER
08-25-25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025-08-25	230050

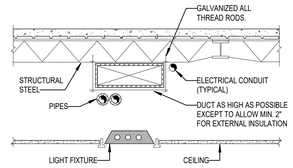
DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

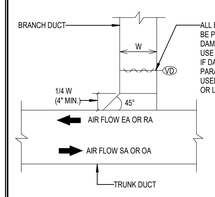
MECHANICAL SCHEDULES

M502



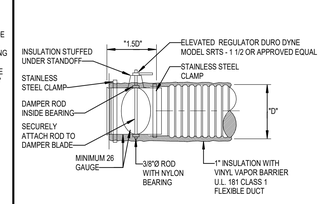
NOTES:
1. PIPES (INCLUDING SPRINKLER PIPING) AND ELECTRICAL CONDUIT CAN BE ROUTED BETWEEN JOISTS OR THROUGH JOIST WEB SPACE AS REQUIRED. DUCT SHALL BE LOCATED AS HIGH AS POSSIBLE.
2. U.L. DESIGN ASSEMBLY NUMBERS ARE SHOWN ON ARCHITECTURAL PLANS WHEN REQUIRED.
3. INSTALLATION OF ALL SERVICES MUST BE COORDINATED BY THE CONTRACTOR.

1 TYP. MEP INSTALLATION DETAIL
NOT TO SCALE M601



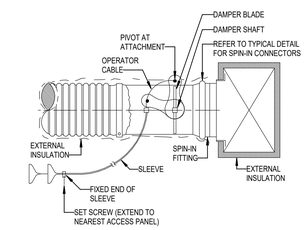
NOTES:
THIS CONNECTION SHALL BE TYPICAL FOR ALL RECTANGULAR BRANCH DUCT CONNECTIONS TO RECTANGULAR TRUNK DUCTS, INCLUDING SUPPLY, RETURN, OUTSIDE AIR AND EXHAUST DUCTS.

2 RECTANGULAR BRANCH DUCT TAP
NOT TO SCALE M601



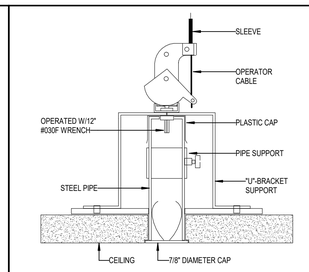
NOTES:
1. ALL FLEXIBLE DUCT OFFSETS AND BENDS SHALL MAINTAIN A RADIUS OF 1.5 X ("D") MINIMUM 3'-0" AND MAXIMUM 6'-0"
2.TYPICAL OF ROUND DUCT CONNECTIONS TO RECTANGULAR DUCTS.
3.ALL JOINTS SHALL BE SEALED WITH MASTIC AND FIBER CLOTH PER SPECIFICATIONS.

3 SPIN-IN DETAIL
NOT TO SCALE M601



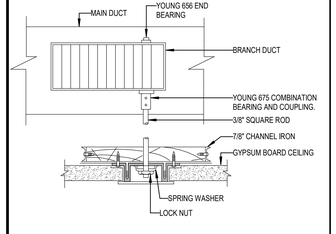
NOTES:
1. MOUNT OPERATOR CRANK AND CABLE PLATFORM ON TOP OF EXTERNAL INSULATION AT DAMPER.

4 REMOTE SPIN-IN DAMPER OPERATOR
NOT TO SCALE M601



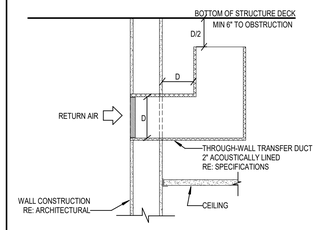
YOUNG'S #270-896C BOWDEN CABLE CONTROL KIT ILLUSTRATED

5 REMOTE DAMPER OPERATOR
NOT TO SCALE M601

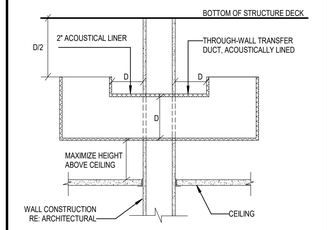


315 CONCEALED YOUNG'S REGULATOR

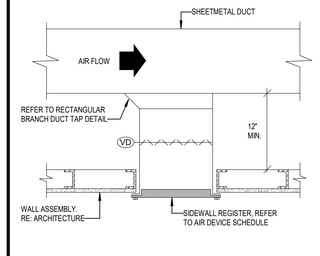
6 YOUNG'S REGULATOR OPERATOR
NOT TO SCALE M601



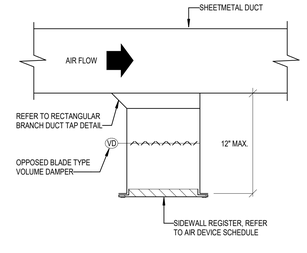
7 SIDEWALL REGISTER RETURN AIR BOOT
NOT TO SCALE M601



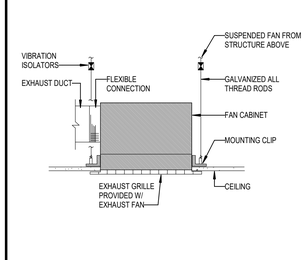
8 RETURN AIR BOOT THRU WALL
NOT TO SCALE M601



9 SIDEWALL SUPPLY REGISTER DETAIL
NOT TO SCALE M601

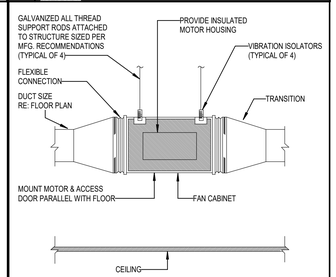


10 EXPOSED SIDEWALL SUPPLY REGISTER DETAIL
NOT TO SCALE M602

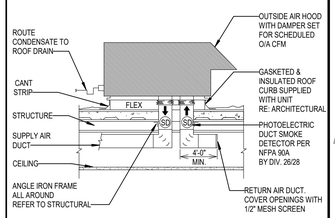


NOTE: PROVIDE FAN U.L RADIATION DAMPER FOR FIRE RATED CEILING.

11 CEILING MOUNTED EXHAUST FAN
NOT TO SCALE M601

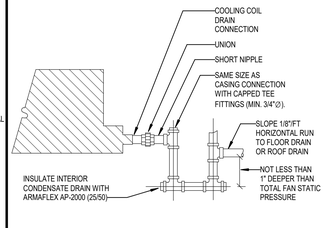


12 IN-LINE EXHAUST FAN DETAIL
NOT TO SCALE M601



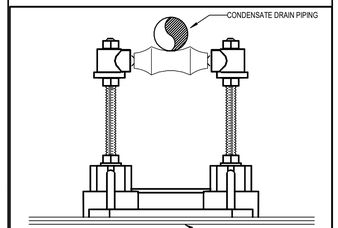
NOTE:
ALL CONDENSATE DRAIN PIPING SHALL BE SCHEDULE 40 GALVANIZED STEEL WITH MALLEABLE IRON SCREWED FITTINGS.

13 ROOF TOP UNIT MOUNTING DETAIL
NOT TO SCALE M601



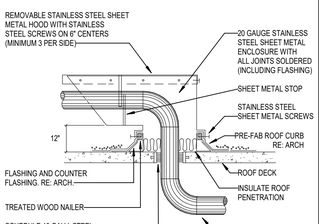
NOTE:
1. MAINTAIN MINIMUM 1" AIR GAP AT FLOOR DRAIN OR ROOF DRAIN.
2. ALL CONDENSATE DRAIN PIPING SHALL BE SCHEDULE 40 GALVANIZED STEEL WITH MALLEABLE IRON SCREWED FITTINGS.

14 COOLING COIL CONDENSATE DRAIN
NOT TO SCALE M601



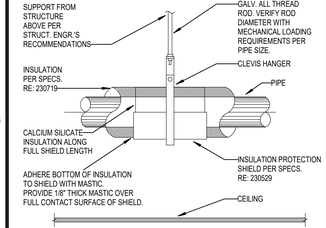
NOTE:
1. PROVIDE PORTABLE PIPE HANGER MODEL SS8-R OR APPROVED EQUAL.
2. SPACE PIPE SUPPORTS AT MAXIMUM INTERVALS OF 10'-0" ON CENTER.
3. INSTALL PER MANUFACTURER'S SPECIFICATIONS AND INSTALLATION REQUIREMENTS.

15 DRAIN LINE SUPPORT ON ROOF
NOT TO SCALE M601



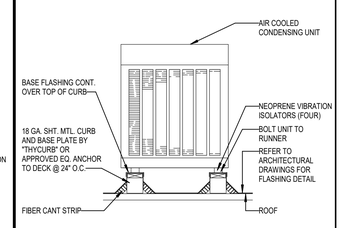
NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR ROOF CONSTRUCTION AND FLASHING DETAILS.

16 PIPING ROOF PENETRATION
NOT TO SCALE M601



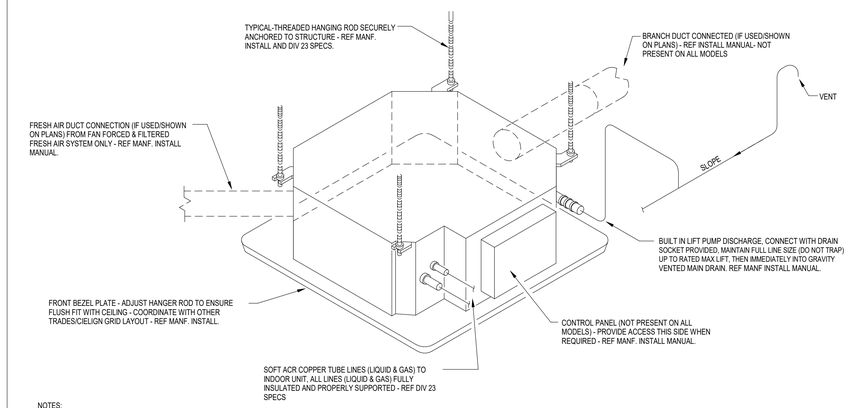
NOTE:
CONTRACTOR SHALL SECURE STRUCT. ENGR. APPROVAL FOR ANY AND ALL PIPE MOUNTING DETAILS TO CONCRETE OR STEEL STRUCTURE. CONTRACTOR SHALL CONFORM TO ALL MAXIMUM SPAN DISTANCES PER SPECIFICATIONS FOR HANGER SPACING. RE: 230529

17 PIPE HANGER DETAIL (1-PIPE)
NOT TO SCALE M601



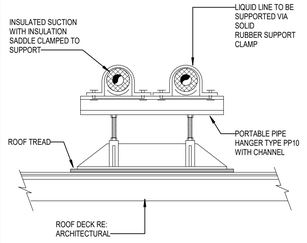
NOTE:
1. PROVIDE CLEARANCE AROUND UNIT FOR AIRFLOW AND SERVICE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

18 CONDENSING UNIT ROOF MOUNTED
NOT TO SCALE M601

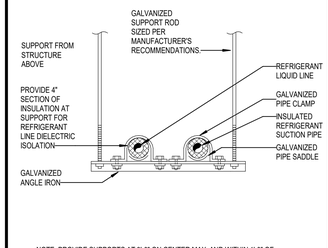


NOTES:
1. COORDINATE EXACT LOCATION WITH CEILING GRID, LIGHTS AND OTHER TRADES PRIOR TO INSTALLATION.
2. MODIFY CEILING GRID TO UNIT DIMENSIONS.

19 HEAT PUMP INDOOR UNIT DETAIL
NOT TO SCALE M601

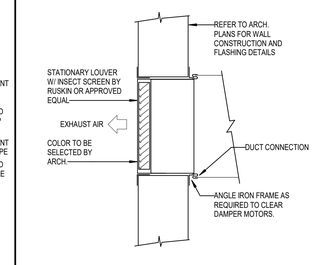


20 ROOF MTD. REFR. PIPE SUPPORT
NOT TO SCALE M601

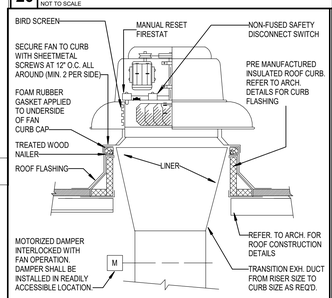


NOTE: PROVIDE SUPPORTS AT 3'-0" ON CENTER MAX. AND WITHIN 1'-0" OF ALL CHANGES IN PIPE DIRECTION.

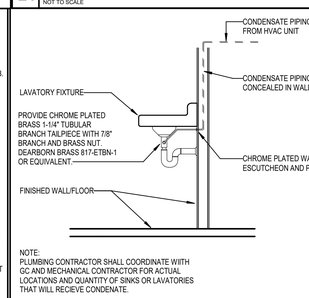
21 REFRIGERANT PIPE HANGER
NOT TO SCALE M601



22 EXHAUST LOUVER MOUNTING
NOT TO SCALE M601



23 CENTRIFUGAL ROOF EXHAUST FAN
NOT TO SCALE M601



NOTE:
PLUMBING CONTRACTOR SHALL COORDINATE WIITH GC AND MECHANICAL CONTRACTOR FOR ACTUAL LOCATIONS AND QUANTITY OF SINKS OR LAVATORIES THAT WILL RECIEVE CONDENATE.

24 CONDENSATION TERMINATION DETAIL
NOT TO SCALE PTP-23

PBK
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Charles Goen and Associates, Inc.
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ACOUSTIC
ACOUSTIC
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BUILDING ENVELOPE
BEAN
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL BLACK BOX
RENOVATIONS AND ADDITION

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DALLAS INDEPENDENT SCHOOL DISTRICT

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No.	Description	Date

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MECHANICAL DETAILS

JONES DBR
STATE OF TEXAS HUB FIRM
915.781.1711 p
https://www.jonesdbr.com/
TBPE Firm Registration No. 13002
JONESDBR Project # 2306.000
RM | CQ | AB/JCH | MC | --

M601

AI	ANALOG INPUT	S	WALL SENSOR
AO	ANALOG OUTPUT	T	THERMOSTAT
DI/BI	DIGITAL/BINARY INPUT	CO2	CARBON DIOXIDE SENSOR
DO/BO	DIGITAL/BINARY OUTPUT	SP	SET POINT
MD	ON-OFF MOTORIZED DAMPER	S/A	SUPPLY AIR
MMD	MODULATING TYPE MOTORIZED DAMPER	R/A	RETURN AIR
AFMS	AIR FLOW MEASURING STATION	O/A	OUTSIDE AIR
MCV	CONTROL VALVE MODULATING TYPE	HC	HEATING COIL
VFD	VARIABLE FREQUENCY DRIVE	CC	COOLING COIL
CSR	CURRENT SENSING RELAY	DX	DIRECT EXPANSION COOLING COIL
FRZ	FREEZESTAT	PICCV	PRESSURE INDEPENDENT CHARACTERIZED CONTROL VALVE
HSL	HIGH STATIC LIMIT	AFC	AIRFLOW CROSS
SPT	STATIC PRESSURE TRANSMITTER	DPS	DIFFERENTIAL PRESSURE SWITCH
DPT	DIFFERENTIAL PRESSURE TRANSDUCER		
FM	FLOW METER		
FS	FLOW SWITCH		
DAT	DISCHARGE AIR TEMPERATURE SENSOR		

1 CONTROL SCHEMATIC LEGEND

NOT TO SCALE

Outdoor Air Conditions

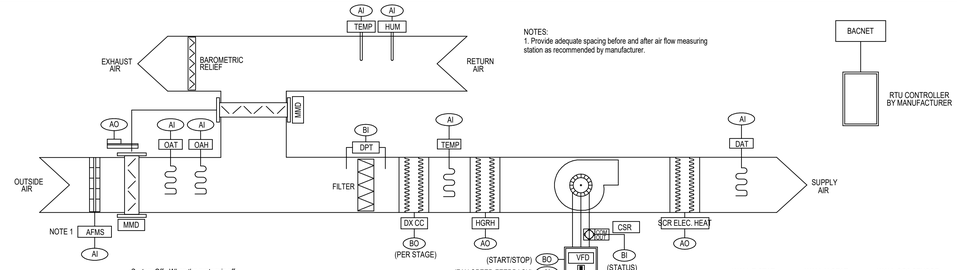
The sensors shall be mounted in an area on the north side of the building where the representative temperature and humidity can be monitored, both shall have sun shields. Based on the outdoor air temperature and humidity the EMCS shall calculate the outdoor air enthalpy, wet bulb and dew point temperatures. These outdoor air conditions shall be broadcast as global data points for use by other control programs. These shall be displayed on all major air and water systems graphics.

Intelligent Lighting Controls Integration

The EMCS shall provide BACnet/IP communications to the Lighting Control System interface module to monitor and control the building and site lighting. The interface shall be provided by the manufacturer per Division 26. The EMCS shall monitor and control the lighting circuits as shown on the Electrical Drawings.

2 MISCELLANEOUS SYSTEMS

NOT TO SCALE



NOTES:
1. Provide adequate spacing before and after air flow measuring station as recommended by manufacturer.

System Off - When the system is off:
The outside air/economizer damper shall be closed.
The return air damper shall be open.
The supply air fan shall be off.
The compressors shall be disabled.
The hot gas reheat valve shall be closed.
The electric heater shall be disabled.
The control loops shall be disabled.

System Startup - System start-up shall be initiated:
By an operator entered manual command at the EMCS.
Automatically by the EMCS based on Pre-Start Mode or Night-Setback Mode.

Pre-Start Mode:
The system shall be enabled automatically by the EMCS based on the Optimal Start/Stop algorithm. Once enabled, the system shall operate per the system Operation section, as detailed below. Operation of the system during Pre-Start Mode shall not include ventilation air. Economizer mode shall be permitted to operate per the System Operation section as detailed below.

Night Setback Mode:
The system shall be enabled automatically by the EMCS when the space temperature drifts outside the active Unoccupied Cooling or Heating Setpoint. Once enabled, the system shall operate per the System Operation section as detailed below. Operation of the system during Night-Setback Mode shall not include ventilation air. Economizer mode shall be permitted to operate per the System Operation section as detailed below.

System Operation - When system start-up has been initiated:
The variable speed supply air fan shall start. Following a conformation of fan start status, the supply fan speed shall be modulated to the minimum speed reference value. The speed of the fan shall not be adjusted by more than 20 Hz in any one-minute period. The unit shall be controlled by one of the following modes:
COOLING MODE: When the space temperature is above the Cooling Setpoint, the refrigerant compression shall be staged to maintain the active DX coil discharge air temperature setpoint. The supply fan VFD shall modulate from its minimum setting to its maximum setting as required to maintain the active space Cooling Setpoint.

ECONOMIZER MODE: When the outside air enthalpy is less than 28.0 btu/lb, the outside air dry bulb temperature is less than 75°F, and there is a call for cooling, the outside air/economizer and return air dampers shall be modulated such that the unit provides 100% outside air for space cooling, and the refrigerant compression shall be staged to maintain the active DX coil discharge air temperature setpoint, and the supply fan VFD shall modulate from its minimum setting to its maximum setting as required to maintain the active space Cooling Setpoint. The barometric relief damper integral to the unit shall prevent building over-pressurization. If the outside air enthalpy exceeds 28.0 btu/lb or the outside air temperature exceeds 75°F, or if there is no longer a call for cooling, Economizer Mode shall be disabled.

HEATING MODE: When the space temperature is below the Heating Setpoint, the electric heater shall modulate to maintain the active electric heating discharge air temperature setpoint. The supply fan VFD shall modulate from its minimum setting to its maximum setting as required to maintain the active space Heating Setpoint.

DE-HUMIDIFICATION MODE: When the space humidity is above the space humidity high-limit setpoint, the refrigerant compression shall be staged to maintain the active de-humidification DX coil discharge air temperature setpoint, the supply fan VFD shall modulate to its minimum setting, and the hot gas reheat valve shall modulate to maintain the reheat setpoint as required. The unit shall exit de-humidification mode when the space humidity setpoint has been satisfied for at least 10 minutes (adj).

DEMAND CONTROL VENTILATION - During occupied hours, the outside air flow rate shall modulate from its scheduled maximum flow rate to its scheduled minimum flow rate. If the space CO2 level is at least 100 ppm (adj) less than its active high limit setpoint for a time period of 10 minutes (adj), the outside air/economizer damper and return air damper shall be modulated to maintain the minimum scheduled outside air flow rate. If the space CO2 level rises to within 50 ppm (adj) of its active high limit, the outside air/economizer damper and return air damper shall be modulated to maintain the scheduled maximum outside air flow rate.

Outside Air/Economizer Damper / Return Air Damper Integration with Supply Fan VFD: Dynamic control of the outside air/economizer damper and return air damper positions shall be provided through the full range of the supply fan VFD modulation. The outside air/economizer and return air motorized dampers shall modulate to maintain the active outside air flow rate setpoint. Damper positions shall not be adjusted by more than 20% (adj) in any one-minute time period.

System Setpoints - The setpoints for the system shall be determined as follows:
The maximum speed reference value shall be the VFD speed required to obtain the design supply airflow value from the unit schedule on the Mechanical Drawings.
The minimum speed reference value shall be VFD speed required to obtain 50% of the design supply airflow value from the unit schedule on the mechanical drawings but not less than the active outside air flow rate setpoint.
The Occupied Heating Setpoint shall be set initially at 72 °F (adjustable).
The Occupied Cooling Setpoint shall be set initially at 74 °F (adjustable).
The Unoccupied Heating Setpoint shall be set initially at 55 °F (adjustable).
The Unoccupied Cooling Setpoint shall be set initially at 85 °F (adjustable).
The DX coil discharge air temperature setpoint shall be set initially at 53 °F (adjustable).
The de-humidification DX coil discharge air temperature setpoint shall be set initially at 50 °F (adjustable).
The electric heating discharge air temperature setpoint shall be set initially at 85 °F (adjustable).
The space humidity high-limit setpoint shall be set initially at 60% RH (adjustable).
The reheat setpoint shall be set initially at 75 °F (adjustable).
The minimum outside air flowrate setpoint shall be set at the scheduled minimum flowrate from the unit schedules on the mechanical drawings.
The maximum outside air flowrate setpoint shall be set at the scheduled maximum flowrate from the unit schedule on the mechanical drawings.
The space carbon dioxide high-limit setpoint be set to 1000 ppm (adj).
The air filter pressure differential high-limit shall be set at 1.0 in.wc. (adj).

System Shutdown - System shutdown shall be initiated:
By operator entered manual command at the EMCS.
Automatically by the EMCS based on Night-Setback or Time of Day schedule.
Automatically by supply fan current sensor status failure.

System Alarms - The EMCS shall generate an alarm if:
If the space temperature is outside the active low or high limits by more than 2°F for 5 minutes (adj).
If the supply air temperature drops below the DX coil discharge air temperature low-limit of 45 °F for 5 minutes (adj).
If the supply air temperature rises above the electric heating discharge air temperature high-limit of 100 °F for 5 minutes (adj).
If the space humidity level exceeds its high-limit for more than 20 minutes (adj).
If the space carbon dioxide level exceeds its high-limit for more than 20 minutes (adj) or the space carbon dioxide level exceeds the high-limit by 10% or more.
If the filter differential pressure exceeds the trip point.
If the current sensor relay indicates a supply fan failure status.
All alarms shall be inhibited when the supply fan is not operating except the space temperature alarms. The alarms, except the fan failure and the space temperature alarms, shall remain inhibited following startup of the unit for 2 minutes.

Notes:
The equipment manufacturer's unit controller shall include controls to perform all equipment functions. The EMCS Contractor shall integrate with the unit controller via BACnet for detailed setpoint adjustments, unit monitoring, alarm inputs, and equipment scheduling.

3 Direct Expansion Single Zone VAV Rooftop Unit w/ Elec. Heat, Econ., De-humidification, DCV - Control Schematic and Sequence of Operations

NOT TO SCALE

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DAVID W. CARTER HIGH SCHOOL BLACK BOX
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ISSUED FOR PERMIT

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08-25-25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025-08-25	230050

DRAWING HISTORY

No.	Description	Date

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MECHANICAL CONTROLS

M701

ABBREVIATIONS

AC	ALTERNATING CURRENT
AF	AMPERE FUSE, AMPERE FRAME
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPT CAPACITY
AL	ALUMINUM
AM	AMMETER
AMP	AMPLIFIER
ANN	ANNUNCIATOR
ASC	AMPERES SHORT CIRCUIT
AT	AMPERE TRIP RATING
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
BKR	BREAKER
BLDG.	BUILDING
C	CONDUIT, CELSIUS
CKT	CIRCUIT
CLG.	CEILING
CONT.	CONTINUOUS,CONTINUATION
CONTR	CONTROLLER, CONTRACTOR
CT	CURRENT TRANSFORMER/COOLING TOWER
CU	COPPER
DAS	DISTRIBUTED ANTENNA SYSTEM
DC	DIRECT CURRENT
DISC	DISCONNECT
DP	DISTRIBUTION PANEL
DPDT	DOUBLE-POLE, DOUBLE-THROW
DPST	DOUBLE-POLE, SINGLE-THROW
DWG	DRAWING
ELEV.	ELEVATOR
EPO	EMERGENCY POWER OFF
ERRC	EMERGENCY RESPONDER RADIO COVERAGE SYSTEM
FA	FIRE ALARM
FF	FURNITURE FEED
FLA	FULL LOAD AMPS
FTL	FEED-THRU LUGS
GA	GAUGE
GEN	GENERATOR
GND	GROUND
GTD	GENERATOR TRANSFER DEVICE
IG	ISOLATED GROUND
LF	LINEAR FEET
LTG	LIGHTING
LV	LOW VOLTAGE
LVL	LEVEL
MAX.	MAXIMUM
MC	METAL CLAD CABLE
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCCB	MOLDED CASE CIRCUIT BREAKER
MD	MOTORIZED DAMPER
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MIC	MICROPHONE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVER-CURRENT PROTECTION
MSB	MAIN SWITCHBOARD
N3R	NEMA 3R
N4X	NEMA 4X
N.C.	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
NFS	NON-FUSED SWITCH
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
N.O.	NORMALLY OPEN
NO.	NUMBER
NTS	NOT TO SCALE
PH	PHASE
POS	POINT OF SALE
QTY	QUANTITY
RCP	REFLECTED CEILING PLAN
RCPT	RECEPTACLE
RE	REFERENCE, REFER
SF	SQUARE FOOT
SIM	SIMILAR
SKVA	STARTING KILOVOLT-AMPS
SPD	SURGE PROTECTION DEVICE
SPDT	SINGLE-POLE, DOUBLE-THROW
SPST	SINGLE-POLE, SINGLE-THROW
SPEC	SPECIFICATION
SQFT	SQUARE FOOT
ST	SHUNT TRIP
SWB	SWITCHBOARD
TL	TWIST-LOCK
TOC	TOP OF CURB
TOS	TOP OF STEEL
TR	TAMPER RESISTANT RECEPTACLE
TV	TELEVISION
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SYSTEM
VFD	VARIABLE FREQUENCY DRIVE
WP	WEATHERPROOF
WT	WATERTIGHT, WEIGHT
WSF	WATTS PER SQUARE FOOT
XFMR	TRANSFORMER

MANY ABBREVIATIONS NOT LISTED MAY BE FOUND IN THE NATIONAL ELECTRIC CODE, OR IN THE INTERNATIONAL AND UNIFORM CODES

PHASING

(E)	EXISTING (TO REMAIN)
(D)	SHALL BE DEMOLISHED
(N)	PROVIDE NEW
(R)	RELOCATED ELEMENT

ELECTRICAL SYMBOLS

MOTORS AND CONTROLS

- $_M — MOTOR RATED SWITCH WITH THERMAL OVERLOADS
- (S) — SINGLE OR THREE PHASE MOTOR NUMBER INDICATES HORSE POWER
- ELECTRIC DUCT HEATER
- DISCONNECT (SAFETY) SWITCH "200/3/150" DENOTES AMPERES/POLE/FUSE, "NF" DENOTES NON-FUSED "N3R" DENOTES NEMA 3R
- [B] — ENCLOSED CIRCUIT BREAKER- "200/3/150" DENOTES AMPERES/POLE/TRIP.
- MOTOR STARTER FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 26.
- COMBINATION DISCONNECT (SAFETY) SWITCH AND MOTOR STARTER. "30/3/15IKI" DENOTES AMPERES/POLES/FUSE/ STARTER SIZE. "NF" DENOTES NON-FUSED, FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 26.
- VFD — VARIABLE FREQUENCY DRIVE PROVIDED BY DIVISION 23 AND INSTALLED BY DIVISION 26.
- EPO — EMERGENCY POWER OFF BUTTON.

RECEPTACLES AND OUTLETS

ALL RECEPTACLES SHALL BE MOUNTED 18" ABOVE FINISHED FLOOR TO CENTER OF DEVICE UNLESS NOTED OTHERWISE. REFER TO SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL REQUIREMENTS.

ABBREVIATIONS APPLICABLE TO RECEPTACLES:

"GFCI" GROUND FAULT INTERRUPTER
"WP" WEATHERPROOF
"IG" ISOLATED GROUND
"TR" TAMPER RESISTANT
"USB" RECEPTACLE WITH USB CHARGING PORTS
"AC" ABOVE COUNTER MOUNTING
"UC" UNDER COUNTER MOUNTING
"H" HORIZONTALLY ORIENTED RECEPTACLE

- SIMPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V.
- DUPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V. SHADED INDICATES SPLIT-WIRED
- FOURPLEX (QUADRUPLEX) RECEPTACLE
- DUPLEX RECEPTACLE (PEDESTAL MOUNTED)
- CONTROLLED WALL RECEPTACLE. DUPLEX: SPLIT-WIRED QUAD: SEPARATELY WIRED UNDER A COMMON COVERPLATE.
- POWER DEVICE RED IN COLOR, ON EMERGENCY POWER CIRCUIT
- CEILING RECEPTACLE/QUAD, EMERGENCY POWER SYMBOL MAY APPLY
- SPECIAL RECEPTACLE, NEMA CONFIGURATION PER PLAN OR EQUIPMENT
- TV — TV ROUGH-IN: 3-GANG RECESSED TV BOX, CONTAINING 1 DUPLEX RECEPTACLE, 1 GANG FOR AV, 1 GANG FOR DATA.
- FLOOR BOX OR POKE THRU. POKE-THRU'S WHERE IN SUSPENDED SLABS, RECESSED IN FOUNDATION WHERE SLAB ON GRADE
- FLUSH ELECTRICAL FLOOR OUTLET. REFER TO FLOOR BOX SCHEDULE, FIRE RATED POKE-THROUGH SCHEDULE AND KEYED NOTES.
- DC — DROP CORD WITH SIMPLEX RECEPTACLE UNLESS OTHERWISE NOTED
- CR — CORD REEL WITH DUPLEX RECEPTACLE UNLESS OTHERWISE NOTED
- J — JUNCTION BOX. "MD" INDICATES POWER CONNECTION TO SERVE MOTOR DAMPER "HD" INDICATES POWER CONNECTION TO SERVE HAND DRYER "FV" INDICATES POWER CONNECTION TO SERVE FLUSH VALVES
- P — PULL BOX (OVER 4" SQUARE)
- BELL/BUZZER/CHIME
- PUSH BUTTON/DOOR BELL/START-STOP
- PP — POWER POLE
- POINT OF DIRECT CONNECTION TO EQUIPMENT
- C (2) — CLOCK RECEPTACLE SHALL BE MOUNTED 12" BELOW FINISHED CEILING. (2) DENOTES DOUBLE SIDED CLOCK.

LIGHTING

LETTER(S) DENOTE TYPE- SEE LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.

2' X 4' 2' X 2' 1' X 4' 1' X 2' 1' X 1'

- STRIP LIGHTING FIXTURES.
- ROUND DOWNLIGHT FIXTURE.
- SQUARE DOWNLIGHT FIXTURE.
- WALL MOUNTED LIGHTING FIXTURE.
- TRACK LIGHTING FIXTURE. MOUNTED AS SHOWN ON LIGHTING FIXTURE SCHEDULE.
- CEILING MOUNTED EXIT SIGN; ARROWS AS INDICATED. SHADED AREA DENOTES FACE.
- WALL MOUNTED EXIT SIGN; ARROWS AS INDICATED. SHADED AREA DENOTES FACE.
- EMERGENCY WALL MOUNTED LIGHTING FIXTURE. BATTERY OPERATED UNLESS NOTED OTHERWISE.
- SITE LIGHTING FIXTURE.

HATCHING PATTERNS BELOW SHALL APPLY TO ALL LIGHTING FIXTURE SYMBOLS.

- NL — EMERGENCY LIGHT FIXTURE WITH BATTERY PACK. PROVIDE WITH UNSWITCHED HOT FOR LOSS OF VOLTAGE AND CHARGING (SAME CIRCUIT AS NORMAL POWER LIGHTING). FIXTURES SHALL BE WIRED IN A MANNER AS TO ALLOW SWITCHING OF FIXTURES WITHOUT DISCHARGING THE EMERGENCY BATTERY. BATTERY PACK IS TO ONLY OPERATE IN THE EVENT OF A POWER OUTAGE. "NL" NIGHT LIGHT ON UNSWITCHED 24HR OPERATION
- EM CIRCUIT — LIGHT FIXTURE ON EMERGENCY BRANCH CIRCUIT, GENERATOR TRANSFER DEVICES REQUIRED (UL1008 OR UL924) PROVIDE UNSWITCHED HOT, NEUTRAL AND GROUND FOR ALL EMERGENCY LIGHTING ORIGINATING FROM THE EMERGENCY CIRCUIT SHOWN.
- CRITICAL OPERATIONS LIGHTING ORIGINATING FROM THE CRITICAL CIRCUIT INDICATED, HATCHED AS INDICATED. HATCHING TYPICAL FOR ALL CRITICAL BRANCH LIGHT FIXTURES

RACEWAYS AND WIRING

- CAP AND STAKE
- CONDUIT CONCEALED IN WALL OR CEILING
- UNDERGROUND, UNDERSLAB, CONCEALED ROUTING
- OHE — OVERHEAD ELECTRIC PRIMARY UTILITY POWER LINE
- CONDUIT UP/DOWN
- HASH MARKS INDICATE NUMBER OF CONDUCTORS. LEFT TO RIGHT: PHASE/NEUTRAL/GROUND/ISOLATED GROUND. NO HASH MARKS INDICATES EMPTY CONDUIT, 1" MINIMUM, UNLESS NOTED OTHERWISE.
- 1LA-2,4,6 — HOMERUN TO PANEL WITH CIRCUIT NUMBER(S) AS INDICATED.
- (ON)1LA-6 — PARTIAL/SHARED CIRCUIT HOMERUN TO PANEL.
- TELECOMMUNICATIONS CABLE TRAY SHALL BE CONCEALED ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.

ELECTRICAL EQUIPMENT

- DISTRIBUTION PANEL
- MSB — SWITCHBOARD, MAIN DISTRIBUTION PANEL OR MOTOR CONTROL CENTER
- PANELBOARD (FLUSH/SURFACE MOUNT)
- FLOOR MOUNTED DRY-TYPE TRANSFORMER
- SUSPENDED OR WALL MOUNTED TRANSFORMER
- ATS — AUTOMATIC TRANSFER SWITCH
- FIRE RATED PLYWOOD TERMINAL BOARD, TYPE AS NOTED, 4' X 8' X 3/4" UNLESS NOTED OTHERWISE

COMMUNICATIONS

DEFAULT ELEVATION (UNLESS INDICATED OTHERWISE) TO CENTER OF ROUGH-IN: 18" ABOVE FINISHED FLOOR (AFF)

- DATA/COMM/AV ROUGH-IN. CONDUIT TO PLENUM AND BOX ONLY
- HS DS — SCHOOL INTERCOMMUNICATION SYSTEM HANDSET.

DEFAULT ELEVATION (UNLESS INDICATED OTHERWISE) TO CENTER OF ROUGH-IN: 42" AFF

- VC — VOLUME CONTROL - WALL MOUNTED
- CB — INTERCOM/PA SYSTEM CALL-IN OR CALL-BACK DEVICE

DEFAULT ELEVATION (UNLESS INDICATED OTHERWISE) TO CENTER OF ROUGH-IN: 120" AFF OR 12" BELOW CEILING, WHICHEVER IS LOWER

- (S)L — INTERCOM/PA SPEAKER "L" LOCAL SOUND REINFORCEMENT

CEILING MOUNTED DEVICES:

- (S)VC — INTERCOM/PA SPEAKER. "VC" INDICATES VOLUME CONTROL ON SPEAKER.

REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.

ONE-LINE DIAGRAM

- TRANSFORMER, TYPE AND RATINGS AS NOTED
- 800A/3P — SWITCH, RATING AS SHOWN
- 400A — FUSE, RATING AS SHOWN
- ST — SHUNT TRIP
- GFP — GROUND FAULT PROTECTION
- K — KIRK-KEY INTERLOCK
- M — DIGITAL METER OR SUB-METER INTEGRATED INTO EQUIPMENT
- 1200/5 — CURRENT TRANSFORMER, RATED AS SHOWN
- GROUND CONNECTION
- AUTOMATIC TRANSFER SWITCH
- BUS DUCT PLUG
- M — ELECTRICAL UTILITY REVENUE METER
- SPD — SURGE PROTECTION DEVICE
- GANN — GENERATOR ANNUNCIATOR PANEL
- CIRCUIT BREAKER
- DRAW-OUT CIRCUIT BREAKER

DAYLIGHT ZONES

- DAYLIGHT ZONE/PRIMARY DAYLIGHT ZONE
- SECONDARY DAYLIGHT ZONE

DAYLIGHT ZONES SHALL BE INCLUSIVE OF THE FIXTURES WITHIN THE SHADED REGION, AND SHALL BE DIMMED USING ON-BOARD OR EXTERNAL CONTROL IN ACCORDANCE WITH IECC 2021. IECC 2018 OR 2015 MAY BE REFERENCED ONLY WHERE ADOPTED BY LOCAL AHJ.

GENERAL NOTES:

A. NOT ALL SYMBOLS SHOWN ON THIS SYMBOL LIST ARE USED IN THE CONTRACT DOCUMENTS.

MISCELLANEOUS

- SHADED SYMBOLS INDICATE EXISTING DEVICES TO REMAIN, UNLESS OTHERWISE NOTED.
- INDICATES WALL-MOUNTED WHEN ATTACHED TO ANY SYMBOL
- 1 — DRAWING NOTE REFERENCE
- SOS — AREA OF RESCUE ASSISTANCE

FIRE ALARM

- W — WATER FLOW SWITCH
- SP — SUPERVISORY SWITCH
- S — SMOKE DETECTOR - MULTI CRITERIA DETECTOR
- S/# — SMOKE DETECTOR - "SB" INDICATES IN INTEGRAL SOUNDER BASE "D" INDICATES DUCT TYPE "R" INDICATES 120 VOLT RESIDENTIAL TYPE
- H — HEAT DETECTOR
- S/BT — BEAM DETECTOR TRANSMITTER, HIGH IN CEILING WALL DIRECT LINE OF SIGHT.
- S/BR — BEAM DETECTOR RECEIVER, HIGH IN CEILING WALL DIRECT LINE OF SIGHT.
- S — FIRE ALARM SPEAKER STROBE / CEILING MOUNTED
- S — FIRE ALARM SPEAKER / CEILING MOUNT.
- DH — MAGNETIC DOOR HOLDER
- R — AUXILIARY CONTROL RELAY
- FH — FIRE FIGHTER HANDSET
- F — FIRE ALARM PULL STATION +42" AFF
- F — FIREMAN'S TELEPHONE JACK +42" AFF
- AUDIO VISUAL FIRE ALARM HORN STROBE +80" AFF- 15/75cd U.N.O.
- VISUAL FIRE ALARM (STROBE) CEILING MOUNT - 15/75cd U.N.O.
- AUDIO FIRE ALARM HORN +80" AFF
- FACP — FIRE ALARM CONTROL PANEL
- ANN — REMOTE FIRE ALARM ANNUNCIATOR PANEL
- RPS — REMOTE POWER SUPPLY FOR AUDIO/VISUAL FIRE ALARM DEVICES.
- FSD — FIRE SMOKE DAMPER
- REMOTE LED INDICATOR LIGHT

SECURITY

- PB — ADA AUTO DOOR OPEN BUTTON
- DR — DOOR RELEASE BUTTON
- CR — WALL MOUNTED CARD READER

REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.

SWITCHES AND LIGHTING CONTROL DEVICES

ALL SWITCH TYPES AND SENSORS TYPES FOUND ON 'LIGHTING CONTROL DEVICE SCHEDULE' LOCATED ON ELECTRICAL SCHEDULE SHEETS

SWITCH ANNOTATION AS FOLLOWS:

$x,a,b,c — TYPE, PER SCHEDULE; NO TYPE INDICATES SINGLE POLE TOGGLE SWITCH; SWITCH LEGS, PER PLAN, SHOWN HERE AS 3 (a,b,c)

OCCUPANCY SENSOR ANNOTATION, AS FOLLOWS:

OCx — OCCUPANCY / VACANCE SENSOR 'x' INDICATES TYPE, PER SCHEDULE; CEILING SENSOR; WITH BRACKET INDICATES WALL / CORNER MOUNT

LIGHT SENSOR ANNOTATION, AS FOLLOWS:

- PC — DIGITAL PHOTOCELL
- DS — DAYLIGHT HARVESTING SENSOR

RELAY PANELS, CONTACTORS, TIME SWITCHES:

XX — RELAYS/CONTACTORS/TIMERS/DEVICES WHERE 'XX' INDICATES: "LC" LIGHTING CONTRACTOR; "LCP" LIGHTING CONTROL PANEL; "TS" TIME SWITCH; "TC" TIME CLOCK

DRAWING/DETAIL REFERENCE KEY

RE: 1 /E3-2 — REFER TO DRAWING/DETAIL NUMBER; SHEET NUMBER (1 / E3-2)

PANELBOARD NOMENCLATURE

5 DP C H A 1

- 5 — SUB PANEL
- DP — AREA
- C — VOLTAGE: H: 480Y/277V; L: 208Y/120V
- H — BRANCH: NONE: NORMAL; E: LIFE SAFETY; O: EQUIPMENT; C: CRITICAL; R: LEGALLY REQUIRED; X: OPTIONAL STAND-BY
- A — DISTRIBUTION PANEL (IF APPLICABLE)
- 1 — LEVEL

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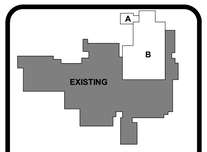
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DAVID W. CARTER HIGH SCHOOL BLACK BOX RENOVATIONS AND ADDITION

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ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN NORTH: PLAN TRUE



CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025-08-25	230050

DRAWING HISTORY

No.	Description	Date

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ELECTRICAL SYMBOL LEGEND

E001

0"

1"

NOTE TO ELECTRICAL CONTRACTOR:

ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, OUTLET BOXES, JUNCTION BOXES FOR ALL TECHNOLOGY, LOW VOLTAGE, THEATRICAL AND OTHER DIVISION 27/28 SCOPE. REFER TO DIVISION 27/28 DRAWINGS AND SPECIFICATIONS FOR ALL WORK REQUIRED. OMISSION OF THIS SCOPE FROM DIVISON 26 SCOPE OF WORK IS PROHIBITED.

LIGHTING GENERAL NOTES:

A. CONTROL DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH PERFORMANCE DESCRIPTION INDICATED IN THE LIGHTING CONTROL DEVICE SCHEDULE FOUND ON SCHEDULE SHEETS.

B. MULTIPLE SWITCHES SHOWN TOGETHER SHALL BE GANGED UNDER A COMMON COVER PLATE.

C. PROVIDE LABELING OF ALL CONTROL DEVICES, SWITCH PACKS, LIGHT FIXTURES, JUNCTION BOXES, ETC IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS.

D. LIGHTING FIXTURE LOCATIONS SHOWN TAKE PRECEDENT IN CEILING LOCATION TO ALL OTHER TRADES. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ENSURING OTHER TRADES DO NOT IMPACT SPACING AND/OR OVERLAYMENT OF OTHER DEVICES WHERE LIGHT FIXTURES MUST BE INSTALLED.

E. REFERENCE SYMBOLS LEGEND FOR LIGHT SWITCH DEVICE NOMENCLATURE AND SWITCH-LEG ASSOCIATIONS.

F. ALL 2X2, 2X4 FIXTURES INSTALLED IN SUSPENDED GRID CEILING SHALL BE PROVIDED WITH (2) SECONDARY SUPPORT WIRES ANCHORED DIRECTLY TO STRUCTURE.

EMER. LIGHTING GENERAL NOTES:

A. PROVIDE ALL EMERGENCY LIGHT FIXTURES WITH UNSWITCHED HOT LEG AS DEFINED IN NEC 700.12

B. ROUTE AN UNSWITCHED HOT LEG TO ALL LIGHT FIXTURES DESIGNATED AS EMERGENCY FIXTURES. HOT LEG SHALL ORIGINATE FROM CIRCUIT SERVING NORMAL LIGHTING FIXTURES IN THAT SPACE. UNSWITCHED HOT LEG SHALL CONNECT TO THE NORMAL POWER SENSING LUG ON THE EMERGENCY BATTERY PACK.

C. PROVIDE UN-SWITCHED CIRCUIT TO ALL EXIT SIGNS.

GENERAL ELECTRICAL NOTES:

A. ELECTRICAL DEVICES SHOWN ARE NOT EXACT. ALL DEVICE LOCATIONS SHALL BE VERIFIED WITH ARCHITECTURAL MILLWORK, CASEWORK, AND GENERAL ELEVATION VIEWS.

B. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, OUTLET BOXES, JUNCTION BOXES FOR ALL TECHNOLOGY, LOW VOLTAGE, ACCESS CONTROL SECURITY, SURVEILLANCE, AND OTHER DIVISION 27/28 SCOPE. REFER TO DIVISION 27/28 DRAWINGS AND SPECIFICATIONS FOR ALL WORK REQUIRED. OMISSION OF THIS SCOPE FROM DIV 26 SCOPE OF WORK IS PROHIBITED.

C. HVAC AND PLUMBING EQUIPMENT LOCATIONS ARE NOT EXACT, AND THE EXACT POINT OF CONNECTION TO EQUIPMENT MAY VARY. COORDINATE EXACT ROUGH-IN REQUIREMENTS IN FIELD AND WITH FINAL SUBMITTALS FOR ALL DIV. 21/22/23 EQUIPMENT.

D. PROVIDE LABELING OF ALL DEVICES, CONDUIT, PANELS, AND JUNCTION BOXES IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS.

E. MINIMIZE ROOF PENETRATIONS. WHERE ABLE, ROUTE ALL CONDUIT FOR ROOF MOUNTED EQUIPMENT THROUGH ROOF CURB. CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING NECESSARY WATER PROOFING AROUND ROOF PENETRATIONS WITH ROOFING INSTALLER.

F. ALL RECEPTACLES LOCATED IN RESTROOMS, JANITOR CLOSETS, MECHANICAL ROOMS, ELEVATOR PITS OR SHAFTS, ELEVATOR EQUIPMENT ROOMS, SERVING ELECTRIC DRINKING FOUNTAINS OR VENDING MACHINES, LOCATED WITHIN 6' OF A SINK, LOCATED ABOVE A WET COUNTERTOP OR IN A KITCHEN OR COFFEE BAR SHALL BE GFCI. FEED-THRU GFCI/GFI IS PROHIBITED. ALL GFCI/GFI DEVICES SHALL BE PROVIDED WITH INDIVIDUAL TEST/RESET FEATURES.

G. MULTI-WIRE HOME RUNS SHALL NOT BE ALLOWED. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS. SHARING CONDUIT IS PERMISSIBLE WHERE TOTAL CONDUCTOR AMPACITY DERATING HAS BEEN PERFORMED BY ELECTRICAL CONTRACTOR. THE NEUTRAL IS CONSIDERED CURRENT-CARRYING.

H. ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE. CONTRACTOR MAY PROVIDE NON-TAMPER-RESISTANT RECEPTACLES WHERE NOT REQUIRED PER CURRENT NEC ARTICLE 406

I. LABEL ALL CIRCUITS AT ALL JUNCTION BOXES AND OUTLETS (AS DEFINED BY NEC) WITH TYPE-WRITTEN LABEL IDENTIFYING CIRCUIT ON THE BACK OF DEVICE COVER PLATES OR ON COVER OF JUNCTION BOX. IF A BOX HAS MULTIPLE CIRCUITS WITHIN, LABEL ALL CIRCUITS.

J. AS AN ADDITIONAL SAFETY ENHANCEMENT FEATURE CONTRACTOR SHALL PROVIDE A PHASE MONITORING RELAY TO ALL THREE PHASE INDUCTION MOTORS RATED AT ONE HORSEPOWER OR GREATER.

GENERAL POWER DEMOLITION NOTES:

A. GENERAL DEMOLITION NOTES APPLY TO ALL DEMO/REMODELING SCOPE.

B. WHEN OUTLETS ARE ABANDONED, WIRE MUST BE PULLED OUT OF THE CONDUIT BACK TO THE NEAREST REMAINING BOX OR CABINET. EXPOSED CONDUIT THAT HAS BEEN ABANDONED MUST BE REMOVED.

C. RE-ESTABLISH SERVICE TO ALL OUTLETS THAT MAY BE INTERRUPTED DUE TO REMODELING WORK.

D. PROVIDE ALL APPURTENANCES REQUIRED TO REROUTE, RELOCATE, REMOVE OR REINSTALL ALL ITEMS DESCRIBED IN THESE NOTES.

E. EXISTING CIRCUITS MODIFIED IN FIELD SHALL NOT EXCEED 80% CAPACITY BASED ON AMP-RATING OF CIRCUIT.

F. DO NOT LEAVE ABANDONED CONDUIT, BOXES, EQUIPMENT, OR ENCLOSURES AFTER DEMOLITION. ALL ABANDONED MATIERAL MUST BE REMOVED.

G. IDENTIFICATION AND LABELING SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATIONS AND/OR NEW-WORK GENERAL ELECTRICAL NOTES.

H. CIRCUIT NUMBERS ARE FOR PLAN REFERENCE ONLY. CONTRACTOR SHALL RELABEL ALL CIRCUIT DIRECTORIES WITH LOAD NAMES FOR ALL EXISTING AND NEW PANELS THAT WERE MODIFIED WITHIN THIS PROJECT.

I. IEXISTING CIRCUIT BREAKERS VACATED DUE TO REMODELING WORK SHALL REMAIN AS SPARE BREAKERS AND TURNED TO THE 'OFF' POSITION.

J. WHERE INDICATED OR REQUIRED BY OTHER TRADES, CONTRACTOR SHALL REMOVE ALL ELECTRICAL CONNECTIONS TO EXISTING PREWIRED FURNITURE. REMOVE CONDUIT AND WIRING BACK TO LAST ACTIVE JUNCTION. ALL DATA CABLING SHALL BE REMOVED BACK TO LAST ACTIVE JUNCTION AND SALVAGED FOR REINSTALLATION.

GENERAL LIGHTING DEMOLITION NOTES:

A. ALL FIXTURES REMOVED AND REINSTALL SHALL BE CLEANED PRIOR TO REINSTALLATION.

B. ALL EXISTING SWITCHING ZONES SHALL REMAIN UNCHANGED UNLESS DIRECTED OTHER ON PLANS.

C. ALL LIGHT CIRCUIT SHALL BE DEMOLISHED AS REQUIRED BY THE DEMOLITION SCOPE ON THE DOCUMENTS. REPAIR ANY CIRCUITS THAT ARE PARTIALLY DEMOLISHED AND CONTAIN OUTLETS THAT ARE 'NOT IN SCOPE' OR OUTSIDE OF THE LIMITS OF CONSTRUCTION TO WORKING CONDITION. PROVIDE CONDUIT AND BOXES AS NEEDED.

D. MODIFIED LIGHTING CIRCUITS SHALL NOT EXCEED 80% CIRCUIT LOAD BASED ON CIRCUIT AMPACITY.

E. ALL REMOVED AND REINSTALLED LIGHT FIXTURES MUST BE CLEANED, RELAMPED AS REQUIRED AND TOUCHED UP WITH PAINT. ALL DAMAGED PARTS MUST BE REPLACED. THE FIXTURES SHALL THEN BE REINSTALLED AS REQUIRED. PROVIDE NEW DRIVERS AS REQUIRED.

F. ALL EXISTING INTERCOM/SPEAKERS SHALL BE REMOVED AND REINSTALLED AS REQUIRED TO FACILITATE RENOVATION. SUBJECT TO EXISTING EQUIPMENT OPERATION CONDITION VERIFICATION.

GENERAL DEMOLITION SCOPE NOTES:

A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRESENT ON SITE PRIOR TO BIDDING, AND SHALL BE EXPECTED TO PERFORM DEMOLITION AND INSTALL NEW AS SHOWN ON THE DOCUMENTS, INCLUDING SCOPE THAT MAY NOT FEASIBLY BE INDICATED ON PLAN.

B. CONTRACTOR SHALL VERIFY AND DOCUMENT EXISTING CONDITIONS OF ALL OUTLETS (AS DEFINED BY NEC) THAT ARE INDICATED OR REQUIRED TO BE REMOVED AND REINSTALLED TO FACILITATE THE WORK REQUIRED BY ALL TRADES. WHERE OUTLETS ARE REINSTALLED IN NON-OPERABLE CONDITION, THE CONTRACTOR SHALL REPLACE AT NO COST TO THE OWNER. DOCUMENT OUTLETS IN NON-WORKING CONDITION PRIOR TO REMOVE AND NOTIFY THE OWNER.

C. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL TO ALL REMOVED MATERIALS. CONTRACTOR SHALL COORDINATE WITH OWNER FOR LOCATION TO RETURN ANY AND ALL MATERIAL FOR OWNER STORAGE. FAILURE TO TURN OVER REMOVED MATERIAL TO OWNER MAY REQUIRE CONTRACTOR TO REPLACE EQUIPMENT REMOVED WITH NEW.

D. REMOVE ALL ELECTRICAL DEVICES WITHIN DEMOLISHED WALLS INCLUDING RECEPTACLES, SWITCHES, DATA/TELEPHONE DROPS, FIRE ALARM DEVICES, PIA DEVICES, CONDUIT, AND WIRING. REMOVE CONDUIT AND WIRING BACK TO PANEL OR LAST ACTIVE JUNCTION BOX. REFER TO ARCHITECTURAL DEMO PLAN. THIS SCOPE MAY NOT BE DIRECTLY IMPLIED BY NOTES ON DEMO PLANS AS IT IS ASSUMED THIS SCOPE EXISTS BASED ON ARCHITECTURAL DEMOLITION PLANS.

E. REFERENCE FIRE ALARM GENERAL NOTES FOR ASSOCIATED FIRE ALARM SCOPE OF WORK.

F. ALL ABANDONED CONDUIT AND BOXES FOUND IN CRAWLSPACES, CEILINGS SPACES, CHASES, OR UTILITY SPACES SHALL BE REMOVED. ANY EXISTING CONDUIT THAT IS UNDERGROUND MAY BE ABANDONED.

G. CONTRACTOR SHALL REVIEW DEMO AND NEW WORK PLANS SIMULTANEOUSLY TO IDENTIFY SCOPE THAT IS TO BE MODIFIED FOR REUSE WITH NEW SCOPE.

FIRE ALARM REMODELING NOTES:

A. ALL FIRE ALARM CONTRACTORS ARE RESPONSIBLE FOR VISITING THE SITE AND VERIFYING THE EXISTING FIRE ALARM SYSTEM AND SCOPE OF WORKED REQUIRED PER PLANS AND SPECIFICATIONS, PRIOR TO BIDDING. VISIBLE EXISTING SITE CONDITIONS, MAKE AND MODEL OF CURRENT FIRE ALARM SYSTEM, NECESSITY OF ANY FRONT-END UPGRADES, CODE COMPLIANCE OF EXISTING DEVICES LOCATED WITHIN THE SCOPE OF WORK AREA, IS ASSUMED TO BE KNOWN BY FIRE ALARM CONTRACTOR UPON DESIGN OF FIRE ALARM SHOP DRAWINGS.

B. REFER TO THE FIRE ALARM PLAN FOR FIRE ALARM DEVICES, NEW OR EXISTING. BEING ADDED, RE-USED OR REMOVED BY THIS REMODEL.

C. THE INTENT OF THIS PLAN IS TO INCORPORATE NEW AND RELOCATED DEVICES WITH THE EXISTING BUILDING FIRE ALARM SYSTEM.

D. WHEN ANY ACTIVATION DEVICE IS ACTIVATED THE NOTIFICATION SYSTEM SHALL ACTIVATE BUILDING WIDE IN ACCORDANCE WITH THE ESTABLISHED NOTIFICATION

E. IT IS ASSUMED WITH THIS REMODEL THAT THE EXISTING SYSTEM MEETS REQUIRED CODES FOR THE ORIGINAL DATE OF INSTALLATION, AND BUILDING MANAGEMENT HAS MAINTAINED SYSTEM IN COMPLIANCE WITH LIFE SAFETY 101. FOR SEQUENCE OF OPERATIONS AND SPECIFICATIONS, REFER TO ORIGINAL SYSTEM DOCUMENT. COORDINATE WITH BUILDING MANAGEMENT.

F. THE EQUIPMENT SUPPLIER AND INSTALLING CONTRACTOR SHALL BE LICENSED BY THE STATE FIRE MARSHALL TO SELL, INSTALL, AND SERVICE FIRE ALARM SYSTEMS AS REQUIRED BY ARTICLE 5.49-2 OF THE TEXAS INSURANCE CODE.

G. ALL NEW EQUIPMENT REQUIRED FOR THIS REMODEL SHALL BE COMPATIBLE WITH THE EXISTING BUILDING SYSTEM AND IS TO BE A PART OF THE SUBMITTAL PROCESS AS NOTED IN THE ELECTRICAL SPECIFICATIONS FOR THIS PROJECT. PROVIDE ADDITION SYSTEM POWER BOOSTER WHERE REQUIRED.

H. VERIFY QUANTITIES OF NEW DEVICES TO INTERFACE WITH THE EXISTING BUILDING SYSTEM. THE CONTRACTOR SHALL COORDINATE WITH BUILDING MANAGEMENT AND SHALL NOTIFY THE ENGINEER IF ANY CONFLICT EXISTS PREVENTING MODIFICATIONS REQUIRED IN THESE PLANS.

I. THE SYSTEM WHEN MODIFIED, SHALL BE A COMPLETE AND WORKING SYSTEM. AND COMPLY WITH THE MOST RECENT RULES, REGULATIONS, AND ORDINANCES THAT PRESENTLY APPLY TO THIS REMODEL.

J. ANY DEVICE THAT SUFFERS MALFUNCTION DURING RENOVATION SHALL BE REPLACED AT NO COST TO OWNER. CONTRACTOR SHALL TAKE PROPER STEPS TO ENSURE DUST AND DEBRIS DOES NOT NEGATIVELY INTERFERE WITH OPERATION OF ANY EXISTING EQUIPMENT LEFT OPERATIONAL DURING RENOVATION.

K. REFER TO ELECTRICAL DETAIL NO. 17 RESPECT THE CONNECTIONS BETWEEN AUDIO AND FIRE ALARM SYSTEMS.

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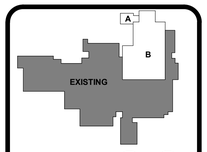
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DAVID W. CARTER HIGH SCHOOL BLACK BOX RENOVATIONS AND ADDITION

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DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN NORTH: PLAN TRUE



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ELECTRICAL GENERAL NOTES

E002

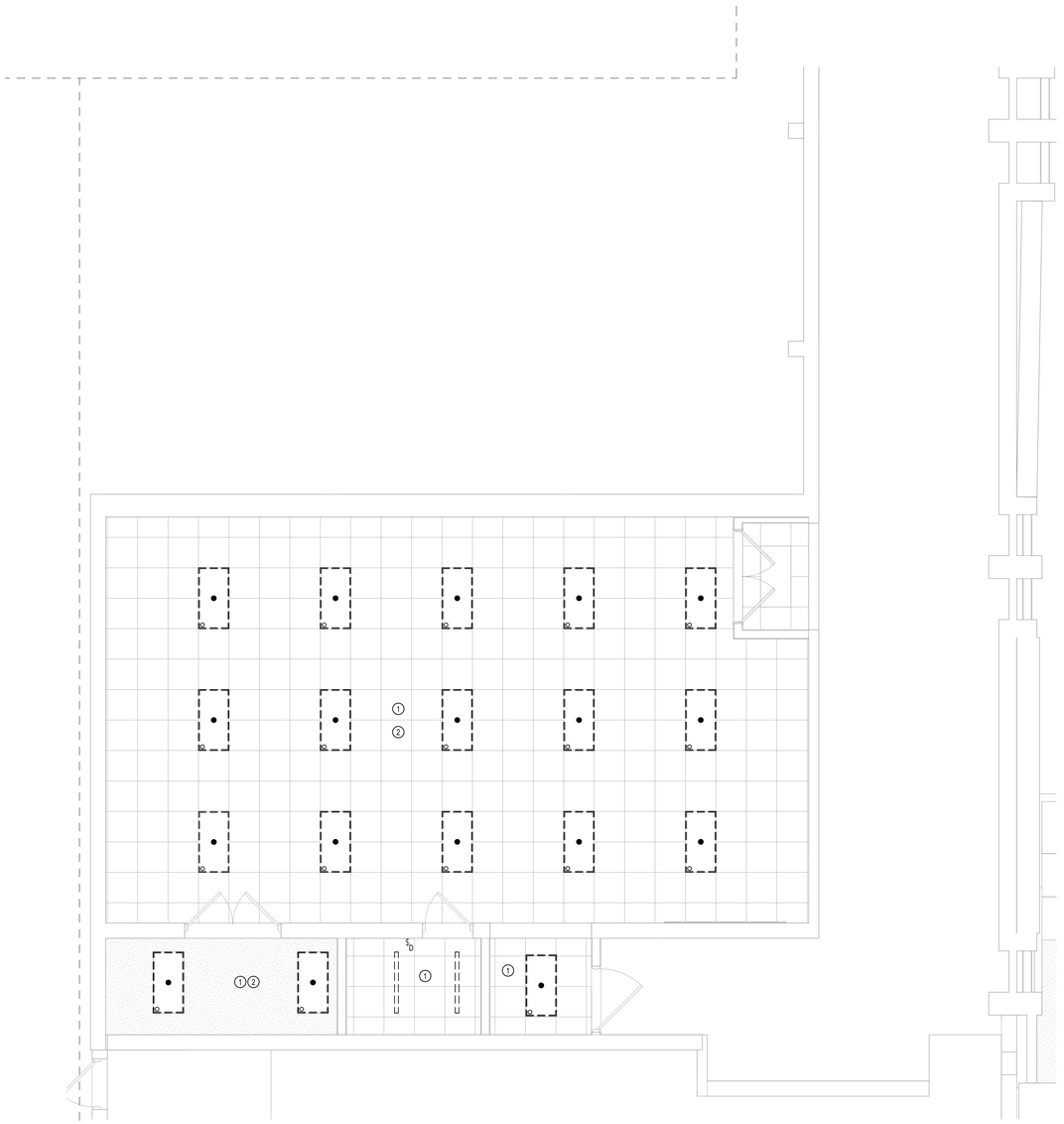
0"

1"

ELECTRICAL KEYED NOTES

1 EXISTING LIGHTING FIXTURES SHALL BE DEMOLISHED. EXISTING ELECTRICAL CIRCUIT SHALL BE USED TO CONNECT NEW LIGHTING FIXTURES.

2 EXISTING FIRE ALARM CEILING HOSTED DEVICES SHALL BE REMOVED AND TEMPORARILY PROTECTED DURING REMOVAL AND REINSTALLATION OF NEW CEILING. REINSTALL UPON COMPLETION OF NEW CEILING WORK.



1 ELD315 **ENLARGED ELECTRICAL LIGHTING DEMOLITION PLAN - SCENE SHOP**
1/4" = 1'-0"

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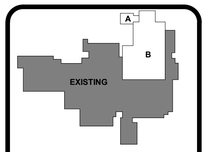
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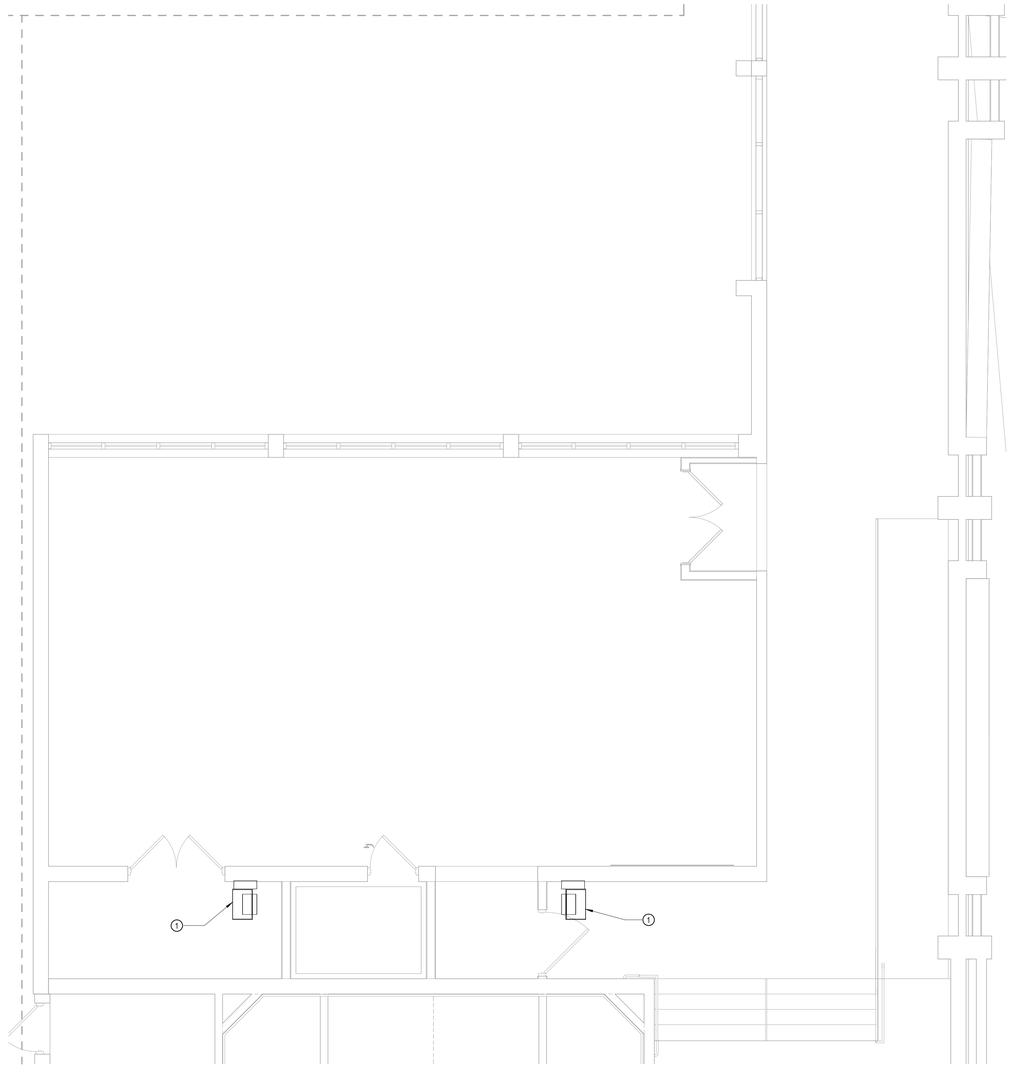
ELD315

0"

1"

ELECTRICAL KEYED NOTES

1 EXISTING MECHANICAL EQUIPMENT BEING DEMOLISHED. ELECTRICAL CONTRACTOR SHALL DEMOLISH EXISTING DISCONNECT AND REMOVE CIRCUIT BACK TO PANEL. EXISTING CIRCUIT BREAKER SERVING EQUIPMENT SHALL REMAIN AS SPARE UNLESS INDICATED OTHERWISE ON NEW PLANS.



1 EPD315 **ENLARGED ELECTRICAL POWER DEMOLITION PLAN - SCENE SHOP**
1/4" = 1'-0"

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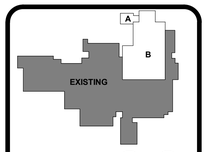
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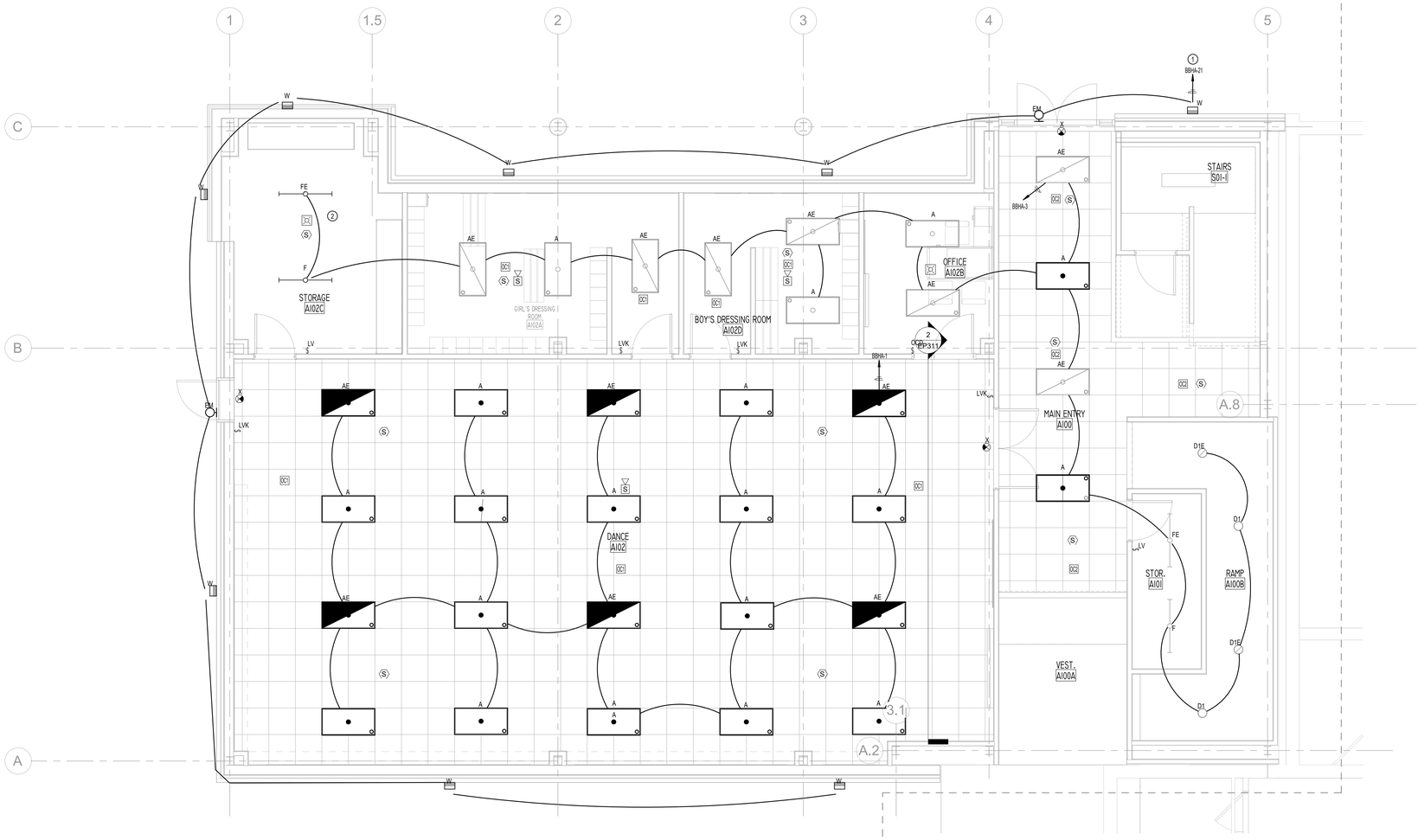
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ENLARGED ELECTRICAL POWER DEMOLITION PLAN - SCENE SHOP

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1 EL311 **ENLARGED ELECTRICAL LIGHTING PLAN - BLACK BOX ADDITION LEVEL 1**

1/4" = 1'-0"

ELECTRICAL KEYED NOTES

1 ROUTE EXTERIOR LIGHTING CIRCUIT THROUGH LIGHTING RELAY PANEL WITH PHOTOCELL CONTROL AND TIME CLOCK.

2 LIGHTING FIXTURE SHALL BE SURFACE MOUNTED INSTALLED AT THE BOTTOM OF THE DECK. VERIFY WITH ARCHITECT PRIOR TO ROUGH-IN.

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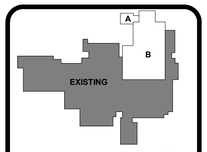
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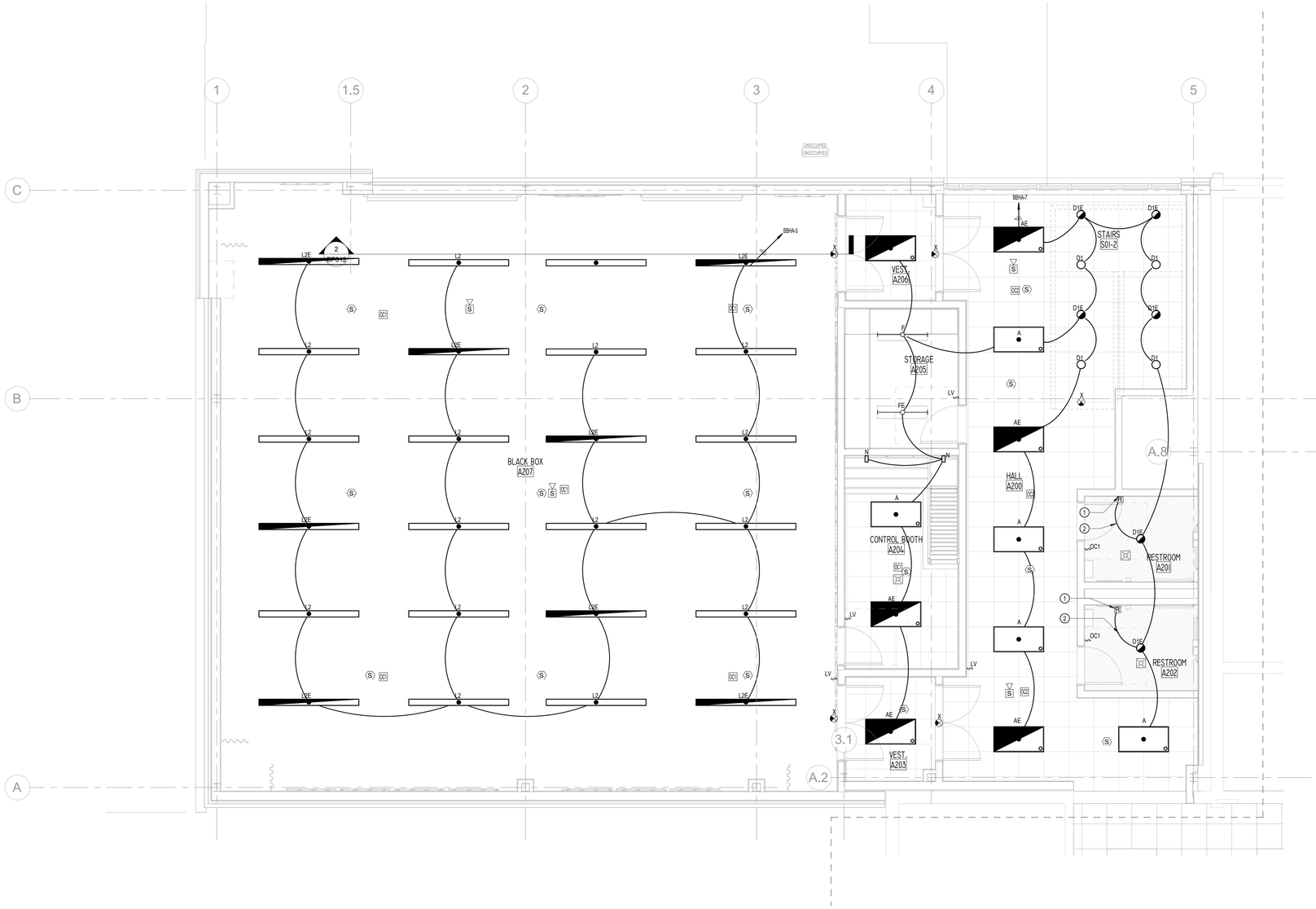
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ENLARGED ELECTRICAL LIGHTING PLAN - BLACK BOX LEVEL 1

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1 EL312 **ENLARGED ELECTRICAL LIGHTING PLAN - BLACK BOX ADDITION LEVEL 2**

1/4" = 1'-0"

ELECTRICAL KEYED NOTES

1 PROVIDE A 30A MOTOR RATED RELAY WITH NEMA 1 ENCLOSURE FOR EXHAUST FAN CONTROL. ROUTE EXHAUST FAN CIRCUIT THROUGH RELAY CONTACT. COORDINATE COIL VOLTAGE WITH CONTROL CIRCUIT.

2 CONNECT RELAY COIL TO 277V SWITCHED LIGHTING CIRCUIT IN SAME ROOM.

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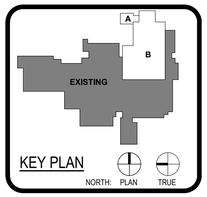
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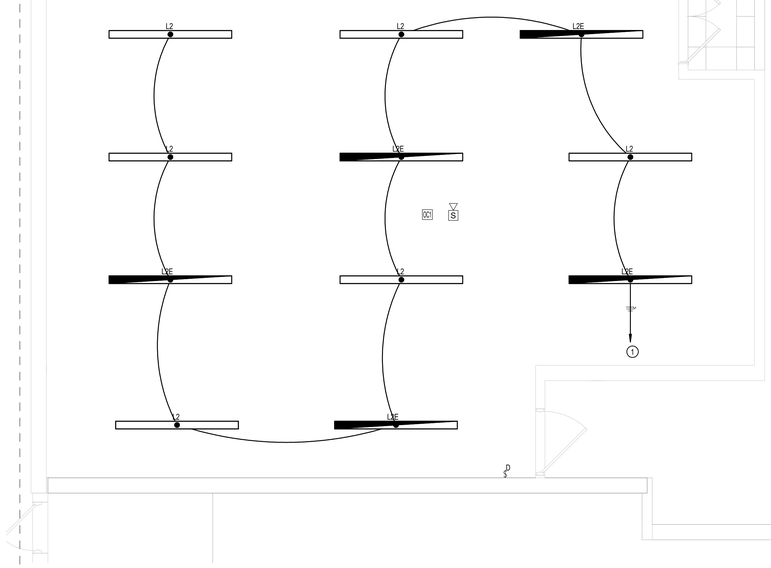
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ELECTRICAL KEYED NOTES

1 CONNECT TO EXISTING ELECTRICAL CIRCUIT AND LIGHTING CONTROLS IN THIS AREA PRIOR TO DEMOLITION.



1 EL315 **ENLARGED ELECTRICAL LIGHTING PLAN - SCENE SHOP**
1/4" = 1'-0"

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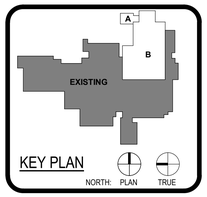
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ENLARGED ELECTRICAL LIGHTING PLAN - SCENE SHOP

EL315

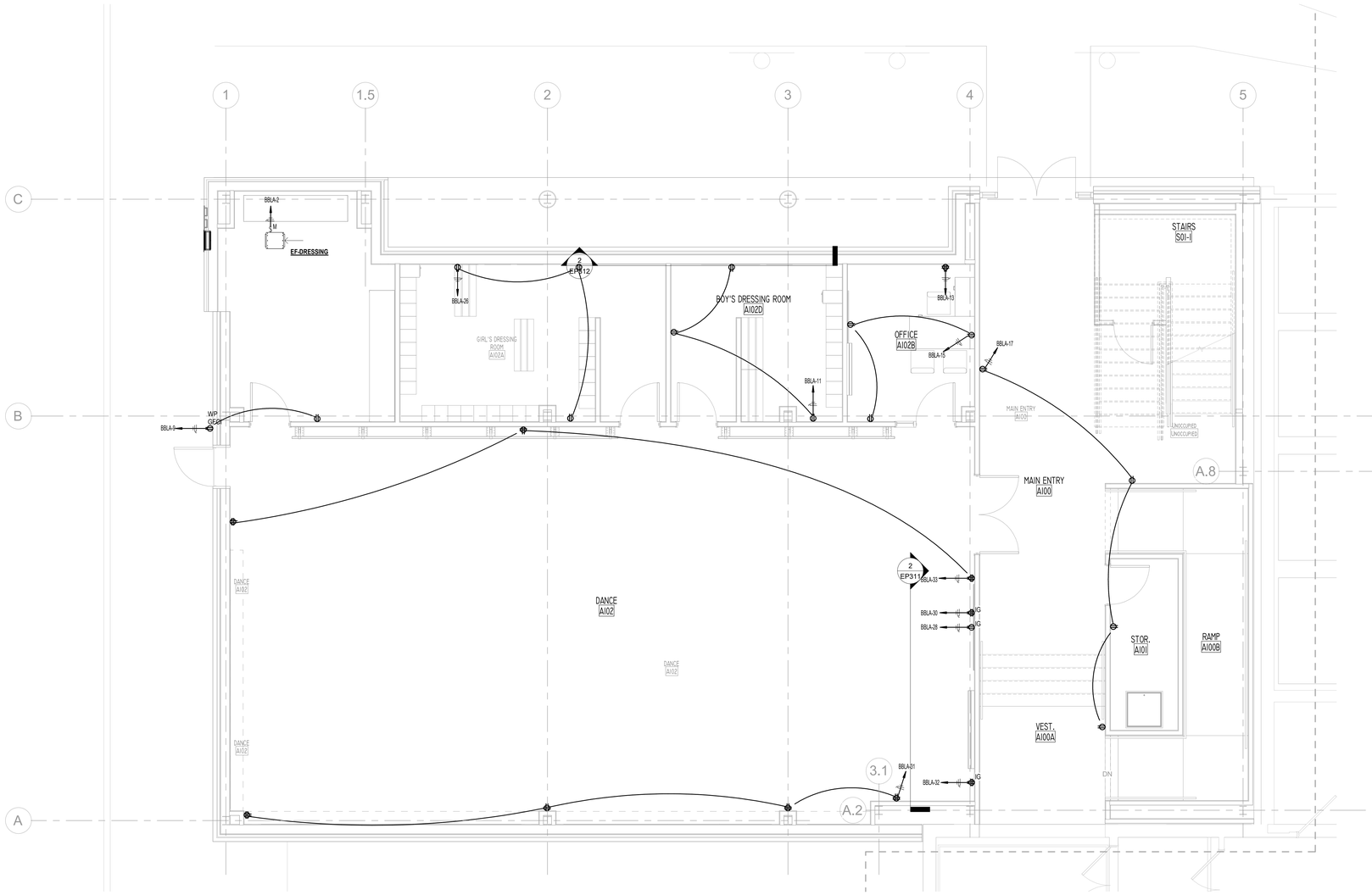
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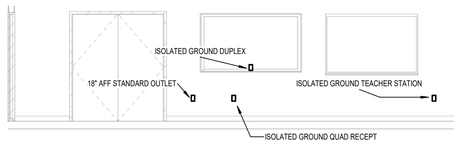
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ELECTRICAL KEYED NOTES



1 EP311 ENLARGED ELECTRICAL POWER PLAN - BLACK BOX ADDITION LEVEL 1

1/4" = 1'-0"



2 EP311 TYPICAL TEACHING WALL

1/4" = 1'-0"

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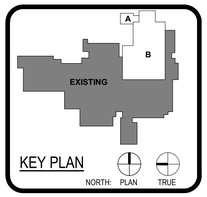
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KEY PLAN

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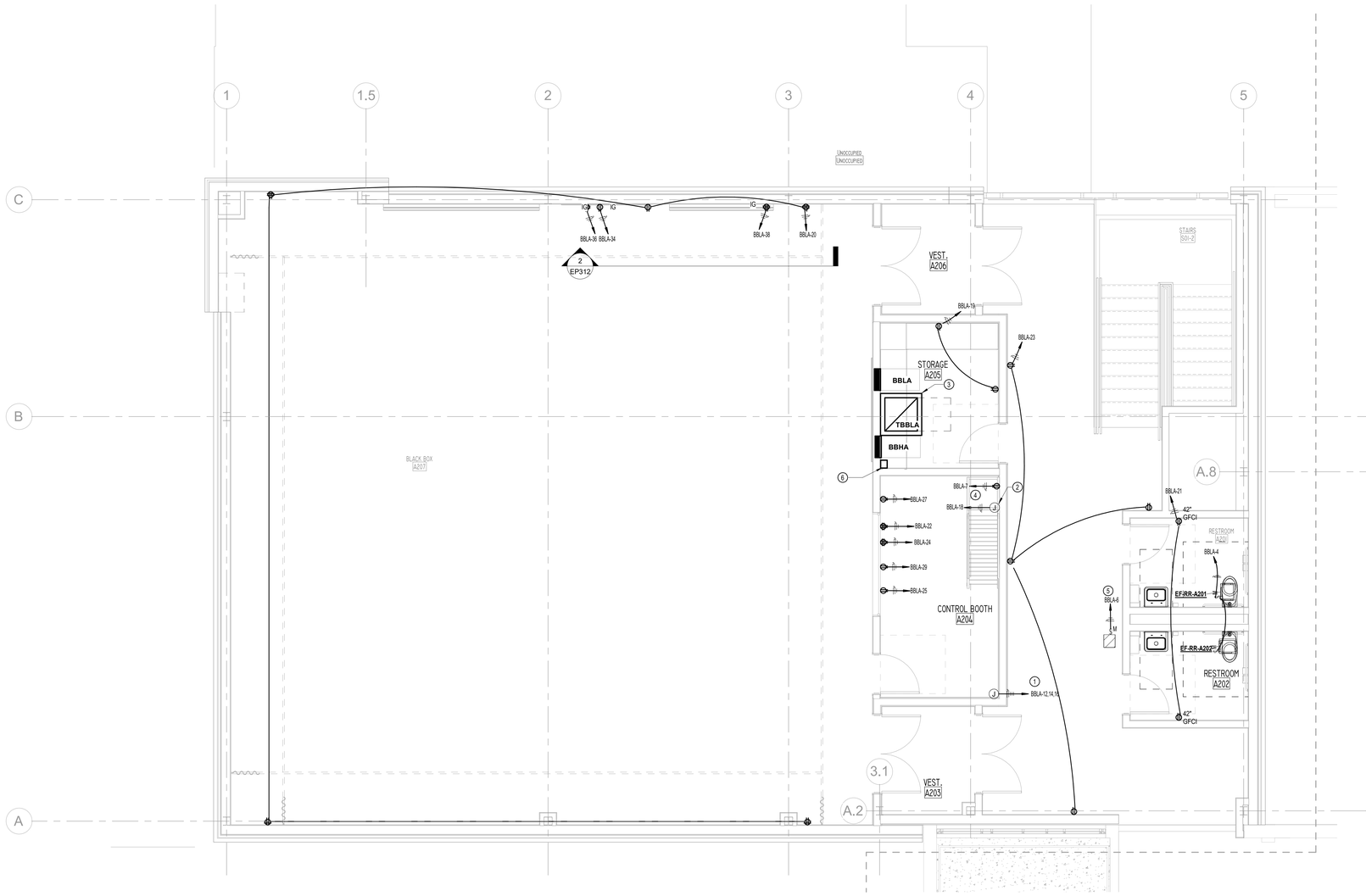
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ENLARGED ELECTRICAL POWER PLAN - BLACK BOX LEVEL 1

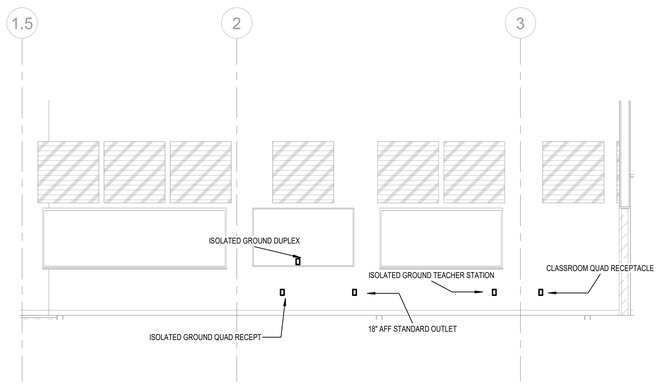
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1 ENLARGED ELECTRICAL POWER PLAN - BLACK BOX ADDITION LEVEL 2
EP312 1/4" = 1'-0"



2 TYPICAL TEACHING WALL LEVEL 2
EP312 1/4" = 1'-0"

ELECTRICAL KEYED NOTES

1. PROPOSED LOCATION OF MOTORIZED BREAKER PANEL. COORDINATE WITH THEATRICAL CONSULTANT FOR EXACT LOCATION PRIOR TO ROUGH-IN.
2. APPROXIMATE LOCATION OF CDP EQUIPMENT. COORDINATE WITH THEATRICAL CONTRACTOR PRIOR TO ROUGH-IN.
3. PAD MOUNT TRANSFORMERS SHALL SUPPORTED USING NEOPRENE ISOLATION MOUNTS SIMILAR TO MASON'S ND MOUNTS OR A 3/4" INCH THICK NEOPRENE WAFFLE PAD WITH MINIMUM STATIC DEFLECTION OF 0.1INCH.
4. APPROXIMATE LOCATION OF UNINTERRUPTED POWER SUPPLY FOR CDP EQUIPMENT.
5. PROVIDE CONNECTION ABOVE CEILING FOR WATER HEATER. COORDINATE WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
6. PROVIDE 100B SERIES SHARK METER WITH NEMA 1 EXTERNAL ENCLOSURE TO METER BLACK BOX ADDITION SUB FEED. PROVIDE WITH CURRENT TRANSFORMER AS REQUIRED FOR 3 PHASE 4 WIRE CONFIGURATION AND BACNET COMMUNICATIONS PROTOCOL. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.

PBK

ARCHITECT PBK Architects, Inc.
DALLAS PBK.com
14001 Dallas Parkway, Suite 400
Dallas, TX 75240
972-233-1323 P
972-233-1373 F
TX Firm: BR 1608

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Simon Engineering & Consulting, Inc.
T 214-466-7870
STRUCTURAL
Charles Goger and Associates, Inc.
T 214-340-1199
MEP
JONES|DBR
T 214-217-9500
TECHNOLOGY
LEAF ENGINEERS
T 972-233-1323
ACOUSTIC
Pinnacle
T 972-994-3700
BUILDING ENVELOPE
BEAM
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL BLACK BOX RENOVATIONS AND ADDITION

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025-08-25	230050

DRAWING HISTORY

No.	Description	Date
	ISSUED FOR PERMIT	

ENLARGED ELECTRICAL POWER PLAN - BLACK BOX LEVEL 2

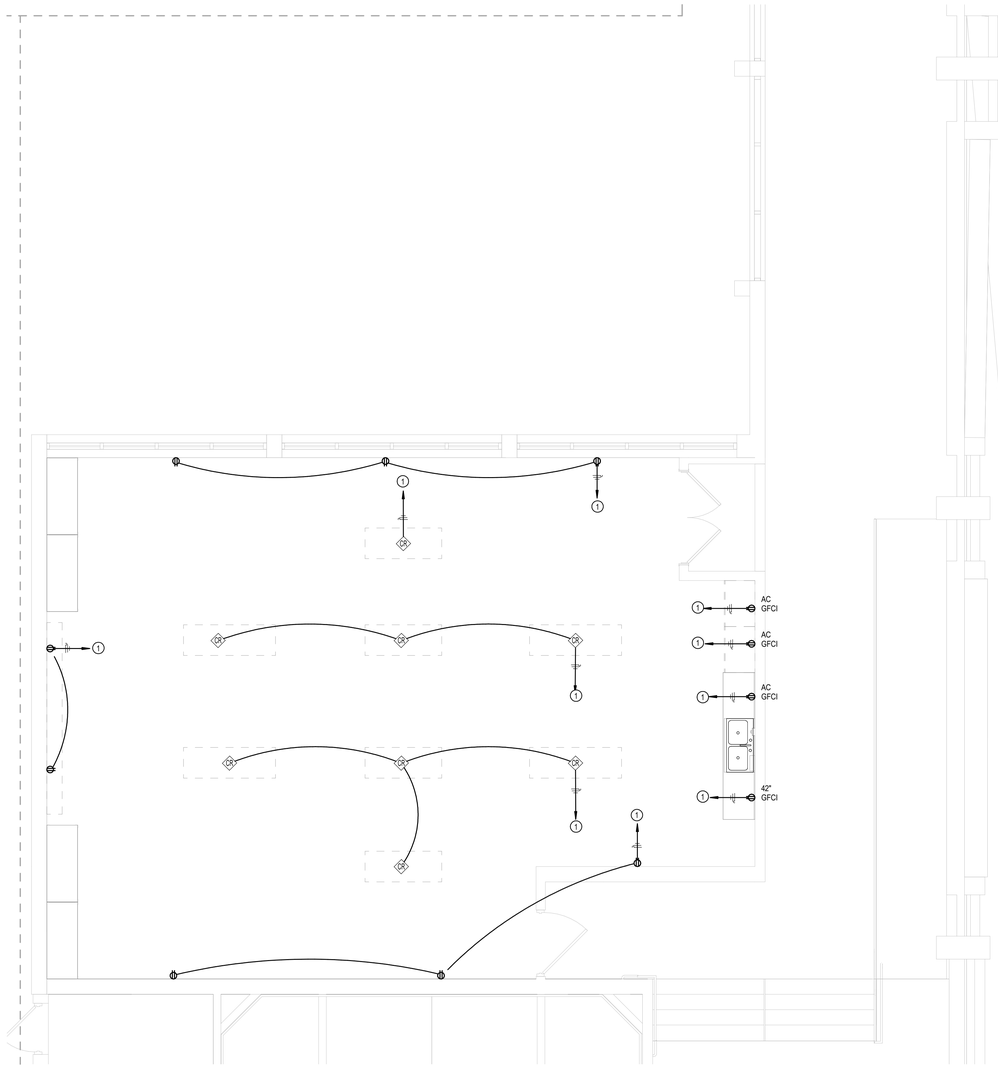
EP312

JONES|DBR
STATE OF TEXAS HUB FIRM
915.781.1711 p
https://www.jonesdbr.com/
TBPE Firm Registration No. 13002
JONESDBR Project # 2306.000

RM	CQ	AB/JCH	MC	--

0"

1"



1 EP315 **ENLARGED ELECTRICAL POWER PLAN - SCENE SHOP**
1/4" = 1'-0"

ELECTRICAL KEYED NOTES

1 CONNECT TO EXISTING CIRCUIT SERVING THIS AREA DOCUMENTED DURING DEMOLITION.

PBK

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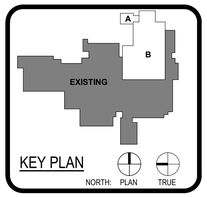
BUILDING ENVELOPE
BEAN
T 972-233-1323

DAVID W. CARTER HIGH SCHOOL BLACK BOX RENOVATIONS AND ADDITION

ORG 023
1819 W WHEATLAND RD.
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KEY PLAN
NORTH: PLAN TRUE



CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025-08-25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

ENLARGED ELECTRICAL POWER PLAN - SCENE SHOP

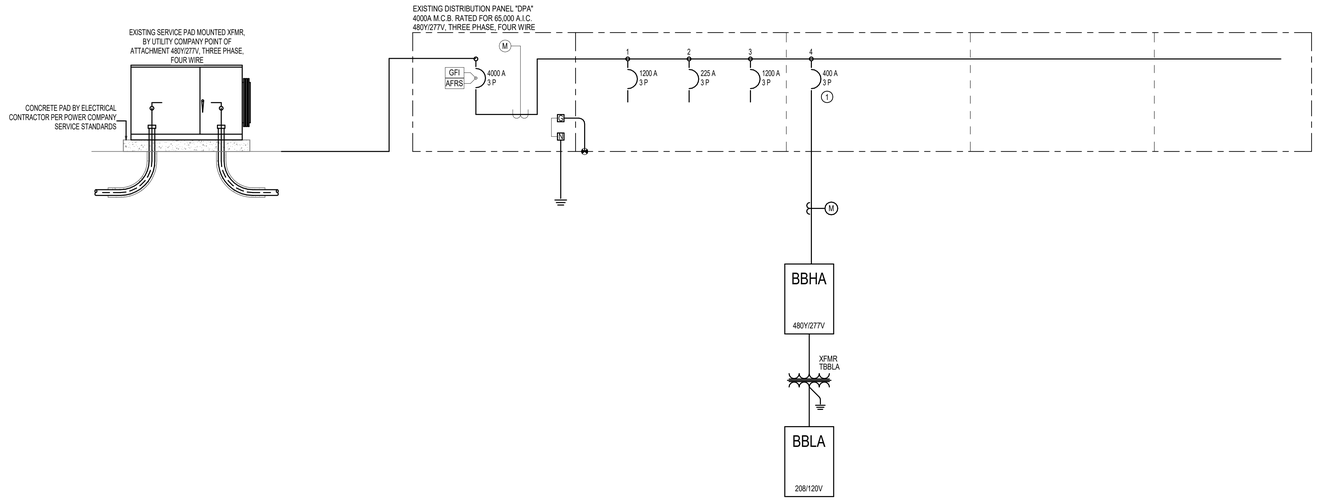
EP315

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STATE OF TEXAS HUB FIRM
915.781.1711 p
https://www.jonesdbr.com/
TBPE Firm Registration No. 13002
JONESDBR Project # 2306.000

RM	CQ	AB/JCH	MC	--

ELECTRICAL KEYED NOTES

1 PROVIDE NEW BREAKER, CONDUIT AND FEEDERS ON SECTION 3 OF THE MAIN DISTRIBUTION PANEL.



FEEDER SCHEDULE
COPPER ONLY

RATING	SETS	CONDUCTOR SIZE	CONDUIT
30A	1	4#10, 1#10 G.	3/4"
40A	1	4#8, 1#10 G.	1"
50A	1	4#8, 1#10 G.	1"
60A	1	4#6, 1#10 G.	1"
70A	1	4#4, 1#8 G.	1 1/4"
80A	1	4#4, 1#8 G.	1 1/4"
90A	1	4#3, 1#8 G.	1 1/4"
100A	1	4#3, 1#8 G.	1 1/4"
125A	1	4#1, 1#6 G.	1 1/2"
150A	1	4#1/0, 1#6 G.	1 1/2"
175A	1	4#2/0, 1#6 G.	2"
200A	1	4#3/0, 1#6 G.	2"
225A	1	4#4/0, 1#4 G.	2 1/2"
250A	1	4#250, 1#4 G.	2 1/2"
300A	1	4#350, 1#4 G.	3"
350A	1	4#500, 1#3 G.	3 1/2"
400A	1	4#600, 1#3 G.	4"
450A	2	4#4/0, 1#2 G.	2 1/2"
500A	2	4#250, 1#2G.	2 1/2"
600A	2	4#350, 1#1G.	3"
700A	2	4#500, 1#1/0G.	4"
800A	2	4#600, 1#1/0G.	4"
1000A	3	4#500, 1#2/0G.	4"
1200A	4	4#350, 1#3/0G.	3"
1600A	4	4#600, 1#4/0G.	4"
	5	4#500, 1#4/0G.	4"
2000A	5	4#600, 1#250 G.	4"
	6	4#500, 1#250 G.	4"
2500A	6	4#600, 1#350 G.	4"
	7	4#500, 1#350 G.	4"
3000A	8	4#500, 1#400 G.	4"
3500A	9	4#600, 1#500 G.	4"
	10	4#500, 1#500 G.	4"
4000A	10	4#600, 1#500 G.	4"
	11	4#500, 1#500 G.	4"
5000A	12	4#600, 1#750 G.	4"
	14	4#500, 1#750 G.	4"

1. ELECTRICAL CONTRACTOR SHALL PROVIDE THE NUMBER OF LUGS AND PROPER LUG SIZES TO ACCEPT CONDUCTOR SIZES SHOWN.
2. GROUND NOT REQUIRED AT SERVICE LATERAL.

Load Analysis - Renovation
480 / 277 , 3 -PHASE, 4 -WIRE — Date:

DESCRIPTION				NEC	KVA
EXISTING LOADS:					
PEAK DEMAND =	951,000 VA	X	1.25		1188.8
EXISTING LOAD REMOVED =	0 VA				0.0
NEW LOADS:					
LIGHTING:					
INTERIOR =	4,054 VA			220.12	4.1
EXTERIOR =	0 VA				0.0
POWER:					
RECEPTACLES =	10,580 VA		10,580		10.6
FIRST 10,000:	10,000	X 100%		220.44	10.0
REMAINDER:	580	X 50%			0.3
MISCELLANEOUS =	1,500 VA				1.5
HVAC:					
COOLING =	161,390 VA				161.4
HEATING =	5 VA/S.F.	X 0		220.60	0.0
FANS=	1 VA/S.F.	X 0			0.0
PLUMBING:					
WATER HEATER =	3,600 VA				3.6
DRINKING FOUNTAIN =	0 VA				0.0
CIRCULATING PUMP =	0 VA				0.0
SUBPANELS	21,600 VA				21.6
				TOTAL =	1401.8
SQUARE FOOTAGE =				TOTAL AMPS:	1686.1
				SERVICE SIZE:	4000.0
				SPARE AMPACITY:	2313.9

TRANSFORMER SCHEDULE

MARK	KVA	PRI. VOLTAGE	SECONDARY VOLTAGE	MOUNTING	ENCLOSURE	REMARKS
TBBLA	75.0	480V, 3PH.	208Y/120V, 3PH., 4W	PAD	Type 3R	

TRANSFORMER FEEDER SCHEDULE - HARMONIC MITIGATING - 3 PHASE

PRIMARY VOLTAGE				SECONDARY VOLTAGE			
480V, THREE PHASE				120/208V, THREE PHASE, FOUR WIRE			
KVA	FEEDER	CONDUIT	BREAKER	FEEDER	CONDUIT	BREAKER	G.E.C. SIZE
15	3 #10, 1 #10 G.	3/4"	25A/3P	3 #6, 1 #4N, 1 #8G.	1"	60A/3P	#8
30	3 #8, 1 #10 G.	1"	45A/3	3 #3, 1 #1/0N, 1 #8G.	1 1/4"	100A/3P	#8
45	3 #4, 1 #8 G.	1"	70A/3P	3 #1/0, 1 #4/0N, 1 #6G.	2"	150A/3P	#6
75	3 #1, 1 #6 G.	1 1/4"	125A/3P	3 #250, 2 #3/0N, 1 #2G.	3"	250A/3P	#2
112.5	3 #2/0, 1 #6 G.	1 1/2"	175A/3P	3 #600, 2 #300N, 1 #1/0G.	4"	400A/3P	#1/0
150	3 #4/0, 1 #4 G.	2"	225A/3P	(2) SETS OF 3 #250, 2 #3/0N, 1 #1/0G.	3"	500A/3P	#1/0
225	3 #500, 1 #3 G.	3"	350A/3P	(2) SETS OF 3 #600, 2 #300N, 1 #3/0G.	4"	800A/3P	#3/0
300	(2) SETS OF 3 #4/0, 1#2G	2 1/2"	450A/3P	(3) SETS OF 3 #500, 2 #250N, 1 #3/0G.	3 1/2"	1000A/3P	#3/0
500	(2) SETS OF 3 #500, 1#1/0G	3"	800A/3P	(5) SETS OF 3 #500, 2 #300N, 1 #350G.	3 1/2"	1800A/3P	#3/0

NOTE:
-ALL CONDUCTORS SHALL BE COPPER

JONES DBR
STATE OF TEXAS HUB FIRM
915.781.1711 p
https://www.jonesdbr.com/
TBPE Firm Registration No. 13002
JONESDBR Project # 2306.000

RM	CQ	AB/JCH	MC	--

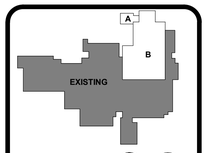
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DAVID W. CARTER HIGH SCHOOL BLACK BOX RENOVATIONS AND ADDITION

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025-08-25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

ELECTRICAL ONE-LINE DIAGRAM

E401

COMcheck Software Version COMcheckWeb

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: Carter HS Black Box Addition
Project Type: Addition

Construction Site:
1819 W WHEATLAND RD.
DALLAS, Texas 75232

Owner/Agent:
DALLAS INDEPENDENT SCHOOL DISTRICT
9400 N. CENTRAL EXPRESSWAY
DALLAS, Texas 75231
972-925-3700

Designer/Contractor:

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-School/University	8000	0.72	5760
		Total Allowed Watts =	5760

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
1-School/University				
LED: A/AE: LED 2X4 PANEL: LED Panel 44W:	1	35	46	1610
LED: D1/D1E: LED CAN: LED A Lamp 13W:	1	14	13	182
LED: F/FE: LED STRIP: LED Linear 33W:	1	6	27	162
LED: L1/L1E: LED SUSPENDED: LED Other Fixture Unit 60W:	1	29	65	1885
LED: L2/L2E: LED SUSPENDED: LED Other Fixture Unit 60W:	1	35	32	1120
LED: N: LINEAR WALL LIGHT: LED Other Fixture Unit 50W:	1	2	13	26
			Total Proposed Watts =	4985

Interior Lighting PASSES: Design 13% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Amos Bandt - Electrical Designer
Name - Title

Signature

09-03-2024
Date

COMcheck Software Version COMcheckWeb

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: Carter HS Black Box Addition
Project Type: Addition
Exterior Lighting Zone: 4 (High activity metropolitan commercial district (LZ4))

Construction Site:
1819 W WHEATLAND RD.
DALLAS, Texas 75232

Owner/Agent:
DALLAS INDEPENDENT SCHOOL DISTRICT
9400 N. CENTRAL EXPRESSWAY
DALLAS, Texas 75231
972-925-3700

Designer/Contractor:

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
Walkway < 10 feet wide	250 ft of	0.7	Yes	175
			Total Tradable Watts (a) =	175
			Total Allowed Watts =	175
			Total Allowed Supplemental Watts (b) =	900

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 900 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
Walkway < 10 feet wide (250 ft of walkway length): Tradable Wattage				
LED: W: WALL PACK: LED Other Fixture Unit 40W:	1	8	46	368
LED: EM: EGRESS LIGHT: LED Other Fixture Unit 13W:	1	2	13	26
			Total Tradable Proposed Watts =	394

Exterior Lighting PASSES: Design 63% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Amos Bandt - Electrical Designer
Name - Title

Signature

09-03-2024
Date

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURE	MODEL	MOUNTING	NO. OF LAMPS	LAMPS	VOLTAGE	WATTAGE	DESCRIPTION
A	DAYBRITE	ERAN MTS_MTO-60L	RECESSED	1	LED	277 V	47 VA	2X4 LED PANEL LIGHT
AE	DAYBRITE	ERAN MTS_MTO-60L	RECESSED		LED	277 V	47 VA	
AEr	DAYBRITE	ERAN MTS_MTO-60L	SURFACE		LED	277 V	47 VA	
Ar	DAYBRITE	ERAN MTS_MTO-60L	RECESSED	1	LED	277 V	47 VA	2X4 LED PANEL LIGHT
D1	LIGHTOLIER	C6L15939M-C6RDLCL	RECESSED		LED	277 V	13 VA	LED 6" ROUND DOWNLIGHT
D1E	LIGHTOLIER	6RN-C6L1593M-Z10U-C6RDL	RECESSED		LED	277 V	26 VA	
D1Er	LIGHTOLIER	C6L15939M-C6RDLCL	RECESSED		LED	277 V	13 VA	LED 6" ROUND DOWNLIGHT WITH BATTERY BACKUP
D1r	LIGHTOLIER	C6L15939M-C6RDLCL	RECESSED		LED	277 V	13 VA	LED 6" ROUND DOWNLIGHT
EM			SURFACE			277 V	26 VA	
F	DAYBRITE	FLP440L840-R-UNV-DIM	ADD PARAMETERS	1	LED	277 V	32 VA	LED STRIP LIGHT
FE	DAYBRITE	FLP440L840-R-UNV-DIM	SURFACE	1	LED	277 V	32 VA	LED STRIP LIGHT WITH BATTERY BACKUP
L1Er	LEDALITE	2901L94030N-4-D-E-1	RECESSED			277 V	58 VA	SAME AS TYPE 'L1' WITH BATTERY BACKUP
L1r	LEDALITE	2901L94030N-4-D-E-1	RECESSED			277 V	33 VA	SUSPENDED LINEAR SLOT. MOUNT WITH BOTTOM OF FIXTURE EVEN TO BOTTOM OF CEILING BAFFLES
L2	LEDALITE	2901L94030LN	ADD PARAMETERS		LED	277 V	65 VA	TRUGROOVE SUSPENDED
L2E	LEDALITE	2901L94030LN	ADD PARAMETERS		LED	277 V	58 VA	SAME AS TYPE 'L1' WITH BATTERY BACKUP
N	DAYBRITE	FSWEZ-4-4IS-835-UNV	SURFACE	1	LED	277 V	58 VA	LED WALL LIGHT
P1r	ALLURE	RV-82-UD5-40-MW-MS	PENDANT	1	LED	277 V	100 VA	LED PENDANT
P2r	ALLURE	RV-82-UD6.5-40-MW-MS	PENDANT	1	LED	277 V	160 VA	LED PENDANT
W	LOUVERS	LWP08-40-UNV-40K-B-C	SURFACE		LED	277 V	24 VA	WALL PACK
X	EMERGI-LITE	MODEL	ADD PARAMETERS	1	LED	277 V	5 VA	

NOTES:
1. LIGHTING FIXTURE CATALOG NUMBERS AND DESCRIPTIONS ARE SCHEDULED FOR ESTABLISHING QUALITY, APPEARANCE AND PERFORMANCE OF THE FIXTURES AS REQUIRED BY THE DESIGN. EXACT CATALOG NUMBERS DESCRIBING MOUNTING CONDITIONS, FINISHES AND REQUIREMENTS RELATED TO TRIMS AND LENS FOR ALL FIXTURES SHALL BE CONFIRMED (BY THE CONTRACTOR) WITH THE ROOM FINISH SCHEDULE AND REFLECTED CEILING PLANS, INCLUDING GRID TYPES, ON THE ARCHITECTURAL DRAWINGS PRIOR TO BIDDING. FIXTURES SHALL BE SUBMITTED ACCORDING TO THE CONDITIONS INDICATED ON THE ARCHITECTURAL PLANS. REFER TO THE WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. THE NEW LIGHT FIXTURES SCHEDULED ARE THE BASIS OF DESIGN. IT IS NOT INTENDED TO LIMIT COMPETITION FROM EQUAL MANUFACTURERS. ALL BIDDERS SHALL SUBMIT THEIR PROPOSED LIGHT FIXTURES IN SUBMITTAL FORM A MINIMUM OF 10 BUSINESS DAYS PRIOR TO BID DATE FOR REVIEW. APPROVED LIGHT FIXTURES WILL BE ISSUED IN AN ADDENDUM.

Panelboard BBLA

10000 A AIC Rating
X New
Existing

120/208 Wye Volt, 3 Phase, 4 Wire
1 Section
Type 1 -Nema Rating
Mains Type: MCB
250 A MCB -- 400 A BUS (Copper) --
LUGS: -- --
Mounting Stye: RECESSED

NOTE	LOAD (VA)	TYPE	DESCRIPTION	WIRE	CB	CKT	CB	WIRE	DESCRIPTION	TYPE	LOAD (VA)	NOTE
	3168 VA	C	CU-CONTROL	10	30 A	1 2	20 A	12	EF-DRESSING	F	500 VA	
						3 4	20 A	12	EF-RR-A201,A202	F	36 VA	
	1000 VA	R	ROOF RECEPTACLE	12	20 A	5 6	20 A	12	EWH-1	WH	1440 VA	
	180 VA	R	UPS CDP	12	20 A	7 8	20 A	12	Spare	--	0 VA	
	1180 VA	R	RECEPTACLES	12	20 A	9 10	20 A	12	Spare	--	0 VA	
	540 VA	R	R SCENE SHOP-1 A102-1	12	20 A	11 12						
	360 VA	R	RECEPTACLES	12	20 A	13 14	150 A	1/0	MOTORIZED BREAKER PANEL	SP	21600 VA	
	540 VA	R	RECEPTACLES	12	20 A	15 16						
	720 VA	R	R VESTIBULE A100D	12	20 A	17 18	20 A	12	CONTROL DISTRIBUTION...	M	1500 VA	
	360 VA	R	R	12	20 A	19 20	20 A	12	R VEST.-1 A202-1	R	1620 VA	
	360 VA	R	R	12	20 A	21 22	20 A	12	DEDICATED CIRCUIT CRS	R	360 VA	
	720 VA	R	R HALL-1 A200-1	12	20 A	23 24	20 A	12	DEDICATED CIRCUIT CRS	R	360 VA	
	1000 VA	R	CONTROL ROOM DEDICATE...	12	20 A	25 26	20 A	12	R SCENE SHOP-1 A102-1	R	540 VA	
	1000 VA	R	CONTROL RM DEDICATED...	12	20 A	27 28	20 A	12	TEACHING WALL RECEPT	R	180 VA	
	1000 VA	R	CONTROL ROOM DEDICATE...	12	20 A	29 30	20 A	12	TEACHING WALL QUAD...	R	360 VA	
	1440 VA	R	R COSTUME SHOP-1 A102A-1	12	20 A	31 32	20 A	12	TEACHER STATION RECEPT	R	360 VA	
	1080 VA	R	R COSTUME SHOP-1 A102A-1	12	20 A	33 34	20 A	12	TEACHING WALL RECEPT	R	180 VA	
	0 VA	--	Space	12	--	35 36	20 A	12	TEACHING WALL QUAD	R	360 VA	
	0 VA	--	Space	12	--	37 38	20 A	12	TEACHER STATION RECEPT	R	360 VA	
	0 VA	--	Space	12	--	39 40	20 A	12	Spare	--	0 VA	
	0 VA	--	Space	12	--	41 42	20 A	12	Spare	--	0 VA	

NEC REF:	Load Type	Conn.	Fct.	Diversity	NEC REF:	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle	16160 VA	80.94%	13080 VA	210.20A	(L)Lighting			
220.56	(K)Kitchen					(EL)Ext. Ltg.			
220.60	(C)Cooling	3168 VA	100.00%	3168 VA	620.14	(E)Elevators			
220.60	(H)Heating			0 VA		(WH)Wat. Htr.	1440 VA	100.00%	1440 VA
220.60	(F)Fans	536 VA	100.00%	536 VA	220.5	(MT)Lrg. Motor			
	(M)Misc.	1500 VA	100.00%	1500 VA		(SP)Sub Pnl.	21600 VA	100.00%	21600 VA
					630.11B	(W) Welders			

Total Connected Load: 44404 VA VA = 123 A
Total Load (Diversified): 41324 VA VA = 115 A

Location of Panel: STORAGE A205

Panelboard BBHA

65000 A AIC Rating
X New
Existing

480/277 Wye Volt, 3 Phase, 4 Wire
1 Section
Type 1 -Nema Rating
Mains Type: MLO
0 A -- -- 400 A BUS (Copper) --
LUGS: SINGLE --
Mounting Stye: SURFACE

NOTE	LOAD (VA)	TYPE	DESCRIPTION	WIRE	CB	CKT	CB	WIRE	DESCRIPTION	TYPE	LOAD (VA)	NOTE
	893 VA	L	L COSTUME SHOP-1 A102A-1	12	20 A	1 2						
	770 VA	L	L RAMP A100B	12	20 A	3 4	80 A	4	RTU-1ST	C	43877 VA	
	1439 VA	L	L VEST.-1 A202-1	12	20 A	5 6						
	905 VA	L	BLACK BOX LEVEL 2 LIGHTS	12	20 A	7 8						
	71798 VA	C, M	RTU-2ND	1	125 A	9 10	70 A	4	RTU-SCENE	C	42547 VA	
						11 12						
	44404 VA	Spare; R; WH;..	TBBLA	1	125 A	13 14	20 A	12	Spare	--	0 VA	
						15 16	20 A	12	Spare	--	0 VA	
						17 18	20 A	12	Spare	--	0 VA	
						19 20	20 A	12	Spare	--	0 VA	
	244 VA	L	L	12	20 A	21 22	20 A	12	Spare	--	0 VA	
	0 VA	--	Space	12	--	23 24	20 A	12	Spare	--	0 VA	
	0 VA	--	Space	12	--	25 26	20 A	12	Spare	--	0 VA	
	0 VA	--	Space	12	--	27 28	20 A	12	Spare	--	0 VA	
	0 VA	--	Space	12	--	29 30	20 A	12	Spare	--	0 VA	

NEC REF:	Load Type	Conn.	Fct.	Diversity	NEC REF:	Load Type	Conn.	Fct.	Diversity
220.44	(R)Receptacle	16160 VA	80.94%	13080 VA	210.20A	(L)Lighting	4251 VA	125.00%	5314 VA
220.56	(K)Kitchen					(EL)Ext. Ltg.			
220.60	(C)Cooling	161390 VA	100.00%	161390 VA	620.14	(E)Elevators			
220.60	(H)Heating			0 VA		(WH)Wat. Htr.	1440 VA	100.00%	1440 VA
220.60	(F)Fans	536 VA	100.00%	536 VA	220.5	(MT)Lrg. Motor			
	(M)Misc.	1500 VA	100.00%	1500 VA		(SP)Sub Pnl.	21600 VA	100.00%	21600 VA
					630.11B	(W) Welders			

Total Connected Load: 206877 VA VA = 249 A
Total Load (Diversified): 204860 VA VA = 246 A

Location of Panel: STORAGE A205

LIGHTING CONTROLS DEVICE SCHEDULE

TYPE	DESCRIPTION	COMMENTS
S S^3 S^4 S^K	LINE VOLTAGE SWITCH.	'3' INDICATES THREE WAY SWITCHING. '4' INDICATES FOUR WAY SWITCHING. 'K' INDICATES SWITCH SHALL BE KEYED SWITCH.
S^{MC}	LINE VOLTAGE MOMENTARY CONTACT SWITCH.	
S^{DR}	LINE VOLTAGE DIMMER SWITCH	DIMMER FOR USE IN DWELLING UNIT. COORDINATE DIMMING TYPE WITH FINAL FIXTURE AND LAMP SELECTION TO ENSURE COMPATIBILITY.
S^{LD}	LINE VOLTAGE DIMMER WITH 3-WAY SWITCH.	3-WAY DIMMER FOR USE IN DWELLING UNIT. COORDINATE DIMMING TYPE WITH FINAL FIXTURE AND LAMP SELECTION TO ENSURE COMPATIBILITY.
S^F	MULTI-SPEED FAN CONTROLLER WITH LINE VOLTAGE SWITCH.	
S^T	LINE VOLTAGE TIMER SWITCH WITH DIGITAL TIMER.	RATED FOR 120/277VAC. PROVIDE WITH AUDIBLE & VISUAL ALERTS. USER PROGRAMMABLE FOR 5MIN-12HR TIME-OUT SETTINGS.
S^{OC1}	LINE VOLTAGE WALL MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR	SENSOR SHALL BE SET TO VACANCY MODE
S^{OC2}	LINE VOLTAGE WALL MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR WITH DUAL RELAYS.	SENSOR SHALL BE SET TO VACANCY MODE. ONE RELAY SHALL SERVE 120 VOLT LIGHTING IN AREA INDICATED, AND ONE RELAY SHALL SERVE 277 VOLT LIGHTING.
S^{OCD}	LOW VOLTAGE OC SENSOR SWITCH WITH 0-10V DIMMER	SENSOR SHALL BE SET TO VACANCY MODE
S^{LV} S^{LVK}	LOW VOLTAGE MANUAL CONTROL.	CONNECT TO POWER PACK OR ROOM CONTROLLER IF OCCUPANCY SENSORS ARE INDICATED ON PLAN. PROVIDE MULTI-BUTTON SWITCH AS REQUIRED PER SWITCH LEGS SHOWN ON PLANS. 'K' INDICATES SWITCH SHALL BE KEYED SWITCH.
S^{OR} S^{ORK}	LOW VOLTAGE MANUAL CONTROL.	CONNECT TO RELAY PANEL OR TIME CLOCK FOR TIME OF DAY OVERRIDE AS NOTED ON PLANS. PROVIDE MULTI-BUTTON SWITCH AS NOTED ON PLANS. 'K' INDICATES SWITCH SHALL BE KEYED SWITCH.
S^D	LOW VOLTAGE SWITCH WITH 0-10V DIMMER	PROVIDE MULTI-BUTTON SWITCH AS REQUIRED PER SWITCH LEGS SHOWN ON PLANS. PROVIDE POWER PACKS OR ROOM CONTROLLERS AS REQUIRED.
OC1	CEILING MOUNTED DUAL TECH OCCUPANCY SENSOR.	SET TO VACANCY MODE. PROVIDE POWER PACKS AS NEEDED.
OC2	CEILING MOUNTED DUAL TECH OCCUPANCY SENSOR.	SET TO OCCUPANCY MODE. PROVIDE POWER PACKS AS REQUIRED.
OC3	CEILING MOUNTED ULTRASONIC OR MICROPHONIC OCCUPANCY SENSOR.	SET TO OCCUPANCY MODE. PROVIDE POWER PACKS AS REQUIRED.
OC4	CORNER MOUNTED DUAL TECH OCCUPANCY SENSOR.	SET TO VACANCY MODE. PROVIDE POWER PACKS AS REQUIRED.
OC5	WET LOCATION PIR OCCUPANCY SENSOR.	CONNECT GARAGE OCCUPANCY SENSORS TO RELAY PANEL SERVING AREA. PROVIDE POWER PACKS FOR CONTROL WHERE NOT LOCATED IN THE GARAGE.
OC6	CEILING MOUNTED DUAL TECH OCCUPANCY SENSOR FOR HIGH BAY APPLICATION.	SET TO VACANCY MODE. PROVIDE POWER PACKS AS REQUIRED.
PC	DIGITAL PHOTOSENSOR	CONNECT TO ROOM CONTROLLER OR RELAY PANEL AS NOTED ON PLANS.
DS	DAYLIGHT HARVESTING SENSOR	CONNECT TO ROOM CONTROLLER OR INDIVIDUAL LIGHT FIXTURE FOR DAYLIGHT HARVESTING DIMMING CONTROL.

NOTES:
1. WATTSTOPPER IS THE BASIS OF DESIGN.
2. THE LIGHTING CONTROLS SCHEDULED ARE THE BASIS OF DESIGN. IT IS NOT INTENDED TO LIMIT COMPETITION FROM EQUAL MANUFACTURERS. ALL BIDDERS SHALL SUBMIT THEIR PROPOSED LIGHTING CONTROLS IN SUBMITTAL FORM A MINIMUM OF 10 BUSINESS DAYS PRIOR TO BID DATE FOR REVIEW. APPROVED LIGHTING CONTROL SYSTEMS WILL BE ISSUED IN AN ADDENDUM.
3. BASIS OF DESIGN SHALL BE A HARD-WIRED TYPE SYSTEM, UNLESS NOTED OTHERWISE.

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DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025-08-25	230050

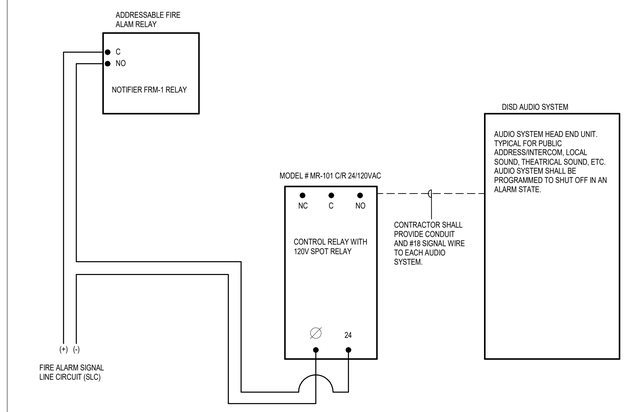
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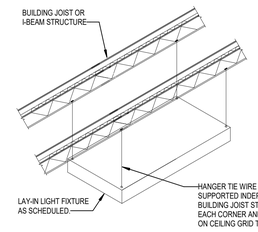
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ELECTRICAL SCHEDULES

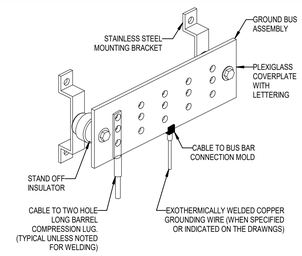
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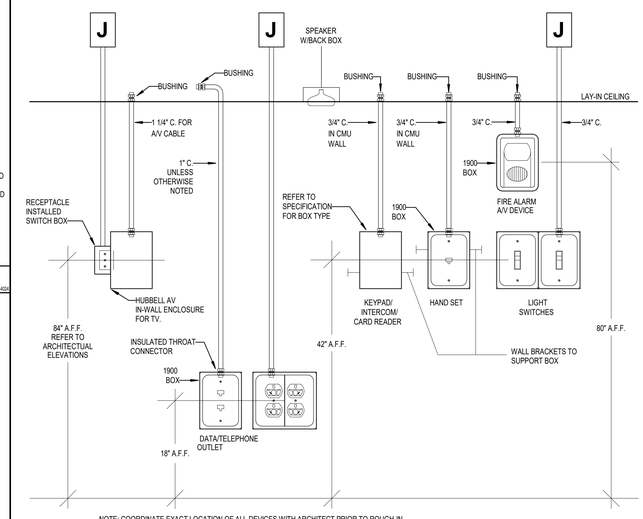
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NOT TO SCALE D60385



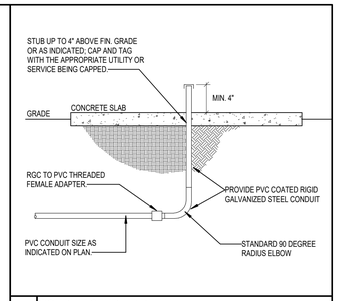
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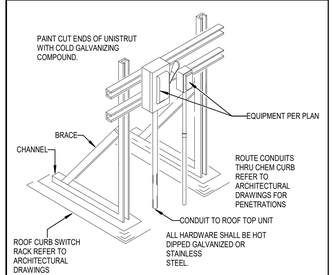
14 TECHNICAL GROUND BUS DETAIL
NOT TO SCALE 16053



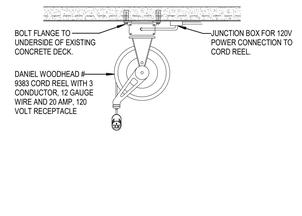
6 TYPICAL DEVICE ELEVATIONS
NOT TO SCALE E1501



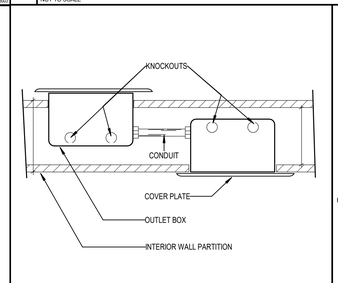
1 CONDUIT STUB-UP DETAIL
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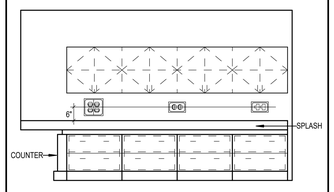
2 ROOF UNISTRUT RACK DETAIL
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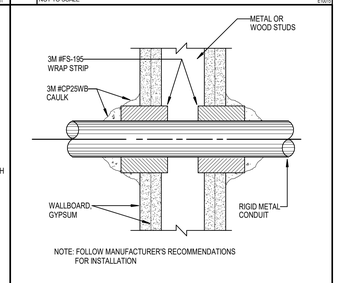
15 CORD REEL MOUNTING DETAIL
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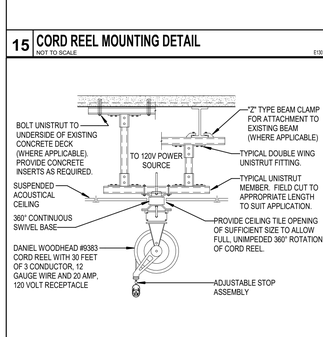
10 BACK-TO-BACK OUTLETS
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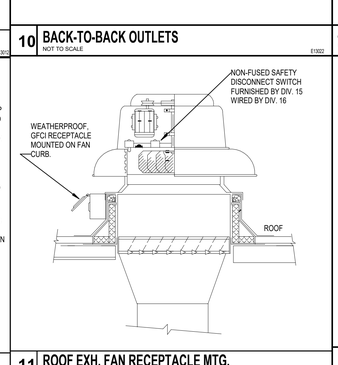
7 TYPICAL COUNTERTOP DEVICE ELEVATION
NOT TO SCALE E1909



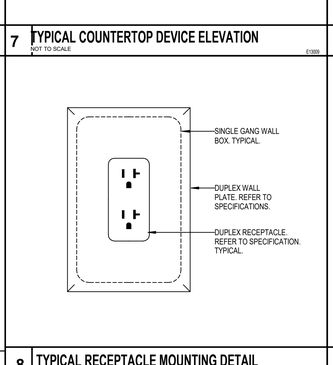
3 2 HR. GYPSUM WALLBOARD PIPE PENETRATION
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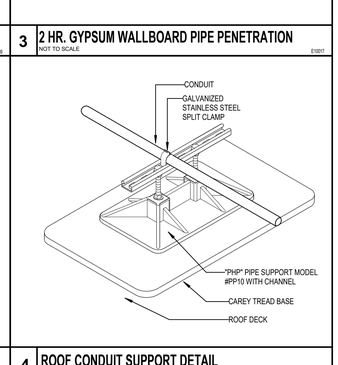
16 OVERHEAD REEL MOUNTING
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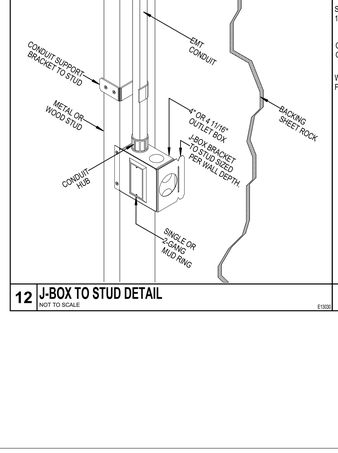
11 ROOF EXH. FAN RECEPTACLE MTG.
NOT TO SCALE E1926



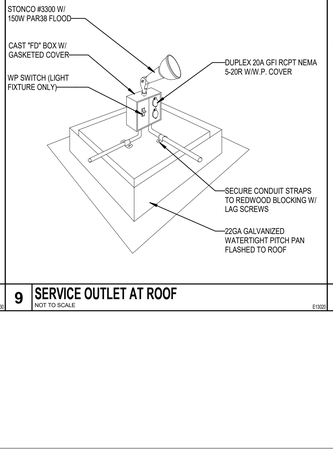
8 TYPICAL RECEPTACLE MOUNTING DETAIL
NOT TO SCALE E1919



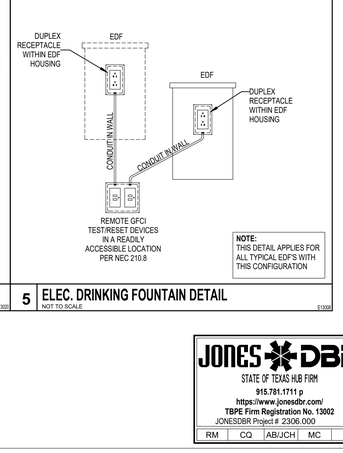
4 ROOF CONDUIT SUPPORT DETAIL
NOT TO SCALE E1910



12 J-BOX TO STUD DETAIL
NOT TO SCALE E1926



9 SERVICE OUTLET AT ROOF
NOT TO SCALE E1925



5 ELEC. DRINKING FOUNTAIN DETAIL
NOT TO SCALE E1935

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DAVID W. CARTER HIGH SCHOOL BLACK BOX RENOVATIONS AND ADDITION

ORG 023
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DALLAS, TX 75232
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DALLAS INDEPENDENT SCHOOL DISTRICT





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DALLAS ISD

DATE	PROJECT NUMBER
2025-08-25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

ELECTRICAL DETAILS

E601

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David Carter Black Box Addition - MEP23.rvt

CHECKED BY:
DBR
DRAWN BY:
DBR
Plot Stamp:
8/29/2025 9:50:40 AM

(NOT ALL ITEMS INDICATED APPLY TO THIS PROJECT)

ABBREVIATIONS

A

A	AIR (COMPRESSED)
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
AP	ACCESS PANEL
ARCH	ARCHITECT, ARCHITECTURAL
AS	AIR SEPARATOR
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AV	ACID VENT
AW	ACID WASTE
AUX	AUXILIARY

B

B	BOILER
BFF	BELOW FINISH FLOOR
BFV	BUTTERFLY VALVE
BM	BENCHMARK
BOF	BOTTOM OF FOOTING
BOS	BOTTOM OF STRUCTURE
BT	BATH TUB
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
BWV	BACK WATER VALVE

C

C	CELSIUS
CAB	CABINET
CB	CATCH BASIN
CD	CONDENSATE DRAIN LINE
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CH	CHILLER
CP	CIRCULATING PUMP
CI	CAST IRON
CIRC	CIRCULATING
CL	CENTERLINE
CMU	CONCRETE MASONRY UNIT
CPI	CAST IRON PIPE INSTITUTE
CPVC	CHLORINATED POLYVINYL CHLORIDE
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE, CONCENTRIC
CONN	CONNECTION
CRAC	COMPUTER ROOM A/C UNIT
CW	COLD WATER

D

DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISC	DISCONNECT
DN	DOWN
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
DBP	DOMESTIC BOOSTER PUMP

E

ECC	ECCENTRIC
EDF	ELECTRIC DRINKING FOUNTAIN
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN

F

F	FARENHEIT, FIRE
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEAN OUT
FCS	FLOOR CONTROL STATON
FD	FLOOR DRAIN, FIRE DAMPER
FDC	FIRE DEPARTMENT CONNECTION
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FHV	FIRE HOSE VALVE
FIXT	FIXTURE
FLEX	FLEXIBLE
FL	FLOW LINES
FLR	FLOOR
FP	FIRE PUMP
FS	FLOW SWITCH, FIRE SPRINKLER
FS	FLOOR SINK
FT	FOOT, FEET
FW	FORCE WASTE

G

G	GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GCO	GRADE CLEANOUT
GLV	GLOBE VALVE
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GV	GATE VALVE

H

HB	HOSE BIBB
HD	HEAD, HUB DRAIN
HP	HORSEPOWER
HKP	HOUSEKEEPING PAD
HSC	HORIZONTAL SPLIT CASE
HT	HEIGHT
HTR	HEATER
HW	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HZ	HERTZ

I

ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCH
INSUL	INSULATION
IW	INDIRECT WASTE

J

JP	JOCKEY PUMP

K

KEC	KITCHEN EQUIPTMENT CONTRACTOR
KVA	KILOVOLT- AMPS
KW	KILOWATT

L

L	LENGTH, LAVATORY
LAV	LAVATORY
LF	LINEAR FEET
LT	LINT
LP	LOW PRESSURE
LRA	LOCKED ROTOR AMPS
LVL	LEVEL

M

MAX	MAXIMUM
MBTUH	THOUSAND OF BTUS
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MI	MALLEABLE IRON
MS	MOP SINK
MTD	MOUNTED
MUW	MAKE-UP WATER

N

N.C.	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
NTS	NOT TO SCALE

O

OC	ON CENTER
OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
OS&Y	OPEN STEM AND YOLK
O	MEDICAL OXYGEN

P

PC	PLUMBING CONTRACTOR
PH	PHASE
PIV	POST INDICATOR VALVE
PNEU	PNEUMATIC
PNL	PANEL
PP	POLYPROPYLENE
PPM	PART PER MILLION
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PVC	POLYVINYL CHLORIDE

Q

QTY	QUANTITY

R

RCP	REFLECTED CEILING PLAN, REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RE	REFERENCE,REFER
RECIRC	RECIRCULATE
REFR	REFRIGERATOR
REINF	REININGFORCING
RM	ROOM
RPM	REVOLUTIONS PER MINUTE ROOF TOP UNIT
RTU	ROOFTOP UNIT
RV	RELIEF VALVE

S

SD	STORM DRAIN
SEC	SECONDARY
SECT	SECTION
SF	SQUARE FEET
SH	SHOWER
SIM	SIMILAR
SK	SINK
SP	SUMP PUMP, STATIC PRESSURE
SPEC	SPECIFICATION
SPR	SPRINKLER
SQ	SQUARE
SS	SERVICE SINK
SSD	SUBSURFACE DRAIN
STD	STANDARD
STL	STEEL
STR	STRAINER
SV	SANITARY VENT
SW	SOFT WATER
SOV	SHUT-OFF VALVE

T

TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD
TDL	TOTAL DEVELOPED LENGTH
TP	TRAP PRIMER
TPD	TRAP PRIMER DEVICE
TYP	TYPICAL

U

U	URINAL
UCD	
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES, INC.
UNO	UNLESS NOTED OTHERWISE
UF	UNDERFLOOR
US	UNDERSLAB

V

V	VOLT, VENT
VAC	VACUUM(MEDICAL)
VB	VALVE BOX, VACUUM BREAKER
VCP	VITRIFIED CLAY PIPE
VEL	VELOCITY
VP	VACUUM PUMP
VTR	VENT THRU ROOF

W

W	WATT, WASTE, WIDTH, WASHER
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT
WM	WATER METER
WP	WEATHERPROOF
WPD	WATER PRESSURE DROP
WWF	WELDED WIRE FABRIC
WT	WATERTIGHT, WEIGHT

Y

Y	YARD HYDRANT

Z

Z	ZONE

SYMBOLS

PLUMBING SYSTEMS

- SANITARY DRAIN BELOW FLOOR
- S(E) — EXISTING SOIL OR WASTE PIPING B.G. - S(E)
- SANITARY DRAIN ABOVE FLOOR
- S(E) — EXISTING SOIL OR WASTE PIPING A.G. - S(E)
- PIPE DEMO
- SANITARY VENT
- V(E) — EXISTING VENT PIPING - V(E)
- GW — GREASE WASTE(ABOVE CEILING)
- GW — GREASE WASTE(BELOW FLOOR)
- SD — STORM DRAIN(ABOVE CEILING)
- SD — STORM DRAIN(BELOW FLOOR)
- OD — OVERFLOW DRAIN(ABOVE CEILING)
- OD — OVERFLOW DRAIN(BELOW FLOOR)
- AW — ACID WASTE(ABOVE CEILING)
- AW(E) — EXISTING ACID WASTE PIPING A.G. - AW(E)
- AW — ACID WASTE(BELOW FLOOR)
- AW(E) — EXISTING ACID WASTE PIPING B.G. - AW(E)
- AV — ACID VENT(ABOVE CEILING OR BELOW FLOOR)
- AV(E) — EXISTING ACID VENT PIPING - AV(E)
- COLD WATER CW
- NP-CW — NON-POTABLE-COLD WATER
- CW(E) — EXISTING DOMESTIC COLD WATER - CW(E)
- HOT WATER HW
- HW(E) — EXISTING DOMESTIC HOT WATER - HW(E)
- HOT WATER RECIRCULATION
- HWR(E) — EXISTING DOMESTIC HOT WATER RETURN - HWR(E)
- G (4 oz) — NATURAL GAS (LOW PRESSURE)
- G (2 PSI) — NATURAL GAS (MEDIUM PRESSURE)
- G (5 PSI) — NATURAL GAS (HIGH PRESSURE)
- T — TEMPERED WATER
- CA — COMPRESSED AIR
- A — MEDICAL AIR
- O — MEDICAL OXYGEN
- V — MEDICAL VACUUM
- F — FIRE STANDPIPE, FIRE LINE
- FS — WET AUTOMATIC FIRE SPRINKLER
- FW — FORCE WASTE
- TP — TRAP PRIMER
- D — DRAIN LINE
- SW — SOFT WATER
- LT — LINT WASTE

PIPING FITTINGS

- CAP ON END OF PIPE
- ELBOW UP
- ELBOW DOWN
- VALVE IN DROP
- VALVE IN RISE
- DIRECTION OF FLOW
- DIRECTION OF SLOPE DOWN
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- TEE OUTLET UP
- TEE OUTLET DOWN
- UNION
- FLANGE
- STRAINER WITH BLOWDOWN VALVE
- GATE VALVE, HVAC BALANCING/STOP VALVE
- GLOBE VALVE
- BALL VALVE
- BALANCING VALVE WITH DIFFERENTIAL PRESSURE TAPS
- OS&Y VALVE
- CHECK VALVE
- BUTTERFLY VALVE
- TWO-WAY MODULATING CONTROL VALVE
- THREE-WAY MODULATING CONTROL VALVE
- SOLENOID VALVE
- PRESSURE REDUCING VALVE
- GAS REGULATOR
- GAS COCK
- SPRINKLER FLOOR CONTROL STATION
- MANUAL AIR VENT
- AUTOMATIC AIR VENT
- T&P RELIEF VALVE
- LINE CLEANOUT/ WALL CLEANOUT
- FLOOR CLEANOUT
- GRADE CLEANOUT
- PRESSURE GAUGE WITH GAUGE COCK
- THERMOMETER
- FLOW VENTURI
- VACUUM BREAKER
- VACUUM RELIEF VALVE
- BACKFLOW PREVENTOR
- CIRCULATING PUMP
- M — WATER SUB-METER

MISCELLANEOUS

- DRAIN(TYPE AND SIZE AS NOTED ON PLANS)
- ROOF DRAIN OR OVERFLOW DRAIN
- ROOF DRAIN OR OVERFLOW DRAIN(FROM ABOVE)
- HOSE BIBB
- WALL HYDRANT
- PLUMBING FIXTURES
- EXISTING PLUMBING FIXTURES
- POINT OF NEW CONNECTION TO EXISTING PIPING
- P.X.X — PLUMBING DRAWING NOTE REFERENCE
- 2 / P2.1 — DETAIL NUMBER OR PLAN / SHEET WHERE DETAIL OR PLAN IS SHOWN
- FS — FLOW SWITCH
- TS — TAMPER SWITCH
- ACCESS PANEL (AP)
- FIRE DEPARTMENT SIAMESE CONNECTION(WALL MOUNTED)
- FIRE DEPARTMENT SIAMESE CONNECTION(FREE STANDING)
- 2 / P7.1 — PLUMBING RISER DIAGRAM NUMBER / SHEET WHERE PLUMBING RISER DIAGRAM IS SHOWN

GENERAL FIRE PROTECTION NOTE

AN APPROPRIATELY STATE REGISTERED FIRE PROTECTION COMPANY SHALL PROVIDE A FULLY COMPLIANT AND FUNCTIONAL AUTOMATIC FIRE SPRINKLER SYSTEM TO PROTECT THE BUILDING IN ACCORDANCE WITH NFPA 13, THE PROJECT SPECIFICATIONS, AND THE REQUIREMENTS OF THE OWNER AND THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ). THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.

PLUMBING CODES

2021 INTERNATIONAL BUILDING CODE AND DALLAS AMENDMENTS (IBC)
2021 INTERNATIONAL PLUMBING CODE AND DALLAS AMENDMENTS (IPC)
2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2021 INTERNATIONAL FIRE CODE AND DALLAS AMENDMENTS (IFC)

GENERAL PLUMBING NOTES: (DEMOLITION)

A. FIELD VERIFY AS NECESSARY THE EXACT LOCATIONS/ROUTING/SIZES OF PLUMBING FIXTURES, PIPING, AND EQUIPMENT TO BE REMOVED OR RE-USED. REFER TO ARCHITECTURAL DRAWINGS FOR CLARIFICATION AS REQUIRED.

B. ALL PLUMBING FIXTURES/EQUIPMENT NOT SPECIFICALLY IDENTIFIED FOR REMOVAL SHALL REMAIN. NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES/CONFLICTS FOUND IN THE FIELD.

C. UNLESS NOTED OTHERWISE, WHERE FIXTURES ARE TO BE REMOVED: REMOVE FIXTURE, CARRIER, FAUCET/FLUSH VALVE, SUPPLIES/STOPS, TUBULAR BRASS, AND ASSOCIATED PIPING AS DESCRIBED.

D. ALL PLUMBING FIXTURES AND/OR EQUIPMENT REMOVED SHALL BE SUBMITTED TO THE OWNER WITH THE OPTION TO BE REUSED, WHICH SHALL BE SOLELY AT THE DISCRETION OF THE OWNER. ITEMS THE OWNER DOES NOT WISH TO REUSE BUT WISHES TO RETAIN SHALL BE DELIVERED TO STORAGE AS DIRECTED. ITEMS THE OWNER DOES NOT WISH TO REUSE OR RETAIN SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF LEGALLY.

E. REMOVE ALL PIPING FROM ABOVE FLOOR TO BELOW ROOF/FLOOR ABOVE WHICH WAS PREVIOUSLY ABANDONED OR WHICH SERVES PLUMBING FIXTURES DESIGNATED FOR REMOVAL, UNLESS NEW FIXTURES ARE TO BE INSTALLED IN THOSE LOCATIONS - REFER TO PLUMBING FLOOR PLANS. PRIOR TO ANY REMOVAL, FIELD VERIFY THAT LINES TO BE REMOVED DO NOT SERVE ANY FIXTURES TO REMAIN. CAP REMOVED BRANCH LINES AS CLOSE AS POSSIBLE TO EXISTING MAINS TO REMAIN.

F. WHERE SLAB ON GRADE FLOOR DRAINS OR SIMILAR INSTALLATIONS ARE TO BE REMOVED, THE STRAINER AND DRAIN BODY SHALL BE REMOVED. PLUG THE WASTE PIPE WATERTIGHT BELOW FINISHED FLOOR. PATCH AND REFINISH THE FLOOR TO MATCH EXISTING.

G. AT PLUMBING WASTE/VENT PIPE PENETRATIONS THROUGH SLAB ON GRADE NO LONGER REQUIRED, PLUG THE PIPES WATERTIGHT BELOW FINISHED FLOOR. PATCH AND REFINISH THE FLOOR TO MATCH EXISTING.

H. WHERE WASTE/VENT BRANCH LINES BELOW SLAB ON GRADE ARE PLUGGED AND ABANDONED IN PLACE, THE ABANDONED LINES SHALL REMAIN OTHERWISE SERVICEABLE AND THE REMAINING PIPING SYSTEM SHALL REMAIN INTACT AND FUNCTIONAL.

I. WHERE FIXTURES ARE REMOVED, NO NEW FIXTURES ARE TO BE INSTALLED, AND EXISTING VENTS THROUGH ROOF ARE NO LONGER REQUIRED, VENT TERMINALS ARE TO BE COMPLETELY REMOVED UNLESS NOTED OTHERWISE. THE ROOF SHALL BE REPAIRED AND SEALED WATERTIGHT TO MATCH THE EXISTING ROOF SYSTEM.

J. IN THE COURSE OF DEMOLITION, ANY PIPING TO REMAIN THAT IS EXPOSED AND FOUND TO BE UNLABELED SHALL BE IDENTIFIED AND LABELED ACCORDINGLY. PROVIDE PIPE MARKERS TO INDICATE TYPE OF SERVICE AND DIRECTION OF FLOW.

K. IN THE COURSE OF DEMOLITION, THE CONTRACTOR SHALL ASSIST THE OWNER BY BRINGING TO THE DESIGN TEAM'S ATTENTION ANY EXISTING PLUMBING RELATED ITEMS INTENDED TO REMAIN BUT WHICH ARE FOUND TO BE UNFIT FOR SERVICE OR IN NEED OF REPAIR. THIS SHALL INCLUDE, BUT NOT NECESSARILY BE LIMITED TO, THE FOLLOWING: LEAKING OR DETERIORATED PIPING AND VALVES; IMPROPERLY SLOPED/SUPPORTED OR SAGGING PIPE; MISSING, DAMAGED, OR DETERIORATED INSULATION; CODE REQUIRED BUT MISSING BACKFLOW PREVENTION MEASURES; FIXTURES, FLUSH VALVES, FAUCETS, EQUIPMENT, AND APPURTENANCES NOT FUNCTIONING AS INTENDED.

L. IN THE COURSE OF DEMOLITION, THE CONTRACTOR SHALL ASSIST THE OWNER BY BRINGING TO THE DESIGN TEAM'S ATTENTION ANY EXISTING NON-PLENUM RATED PIPING (PVC, ETC.) INTENDED TO REMAIN WHICH IS FOUND IN A RETURN AIR PLENUM SPACE. UNLESS DEEMED UNACCEPTABLE BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) OR OWNER, ALL SUCH PIPING SHALL BE WRAPPED WITH FIRE RESISTANT INSULATION. 3M FIRE BARRIER PLENUM WRAP 5A OR PRE-APPROVED EQUAL THAT HAS BEEN TESTING IN ACCORDANCE WITH ASTM E84 AND UL 910. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDED METHODS.

GENERAL PLUMBING NOTES: (NEWWORK - RENOVATION AND NEW CONSTRUCTION

A. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL CODES AND AUTHORITIES HAVING JURISDICTION.

B. CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS AS REQUIRED TO MAKE FINAL CONNECTIONS FOR ALL PLUMBING FIXTURES, EQUIPMENT AND RELATED ITEMS PROVIDED UNDER SEPARATE DIVISIONS.

C. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS AND ELEVATIONS OF PROPOSED POINTS OF CONNECTION WITH EXISTING BUILDING PLUMBING UTILITY LINES AND SITE CIVIL LINES PRIOR TO INSTALLATION OF ANY NEW WORK.

D. CONTRACTOR SHALL BE RESPONSIBLE TO ALERT ARCHITECT AND ENGINEER OF GRADING CONFLICTS PRIOR TO COMMENCING INSTALLATION OF ANY WORK.

E. CONTRACTOR SHALL COORDINATE WITH STRUCTURAL CONDITIONS AS EXISTING AND PROVIDE PROPER PIPING INSTALLATIONS AS REQUIRED WITHOUT DAMAGE TO STRUCTURE. WHERE STRUCTURAL MODIFICATIONS ARE TO BE REQUIRED, CONTRACTOR SHALL FIRST RECEIVE WRITTEN APPROVAL OF THE ARCHITECT AND STRUCTURAL ENGINEER.

F. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATING LOCATIONS AND ELEVATIONS OF ALL PLUMBING PIPING WITH OTHER TRADES PRIOR TO INSTALLATION. WHERE RELOCATIONS OF NEW WORK ARE REQUIRED TO CORRECT CONFLICTS WITH OTHER TRADES IT SHALL BE DONE AT NO ADDITIONAL COST TO OWNER.

G. ALL PIPE PASSING THROUGH FIRE RATED WALLS OR FLOOR SLAB SHALL BE SUPPORTED AT THE PENETRATION AND SHALL BE SEALED WITH APPROVED FIRE STOP MATERIALS AS SPECIFIED AND REQUIRED BY CODE AUTHORITIES HAVING JURISDICTION.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATING ALL PLUMBING PIPING SLEEVE LOCATIONS WITH ALL OTHER TRADES PRIOR TO INSTALLATION OF ANY PIPING OR SUPPORTS.

I. DO NOT SCALE PLUMBING DRAWINGS FOR FIELD ROUGH-IN WORK. CONTRACTOR SHALL REFER TO THE DIMENSIONED ARCHITECTURAL AND STRUCTURAL DRAWINGS TO FIELD DETERMINE EXACT LOCATIONS OF ROUGH-IN WORK.

J. SANITARY DRAINAGE PIPE 3" AND SMALLER SHALL HAVE A UNIFORM MINIMUM CONTINUOUS SLOPE OF 1/4 INCH PER FOOT OF RUN. DRAINAGE PIPE 4" AND LARGER SHALL SLOPE AT MINIMUM 1/8 INCH PER FOOT OF RUN. SLOPE ALL VENT PIPE MINIMUM 6" PER 100 FEET OF RUN.

K. STORM DRAINAGE PIPE SHALL HAVE A UNIFORM MINIMUM CONTINUOUS SLOPE OF 1/8 INCH PER FOOT OF RUN. SLOPES OF 1/4 INCH PER FOOT ARE PERMITTED WHERE NOTED ON PLAN OR AS REQUIRED.

L. PROVIDE FITTINGS FOR SANITARY DRAIN, WASTE AND WASTE PIPING SYSTEMS OF APPROVED DRAINAGE PATTERN AND LONG OR SHORT RADIUS TYPES AS REQUIRED AND APPROVED FOR USE IN COMPLIANCE WITH PLUMBING CODE REQUIREMENTS.

M. PROVIDE CLEANOUTS AT EACH CHANGE OF DRAINLINE DIRECTION GREATER THAN 45° AND IN COMPLIANCE WITH PLUMBING CODE REQUIREMENTS.

N. PROVIDE BRACING TO PREVENT AXIAL MOVEMENT FOR ALL DRAINAGE PIPING. PROVIDE RESTRAINTS AT ALL CHANGES IN DIRECTION AND AT ALL DIAMETER CHANGES GREATER THAN TWO PIPE SIZES. BRACES, BLOCKS, RODDING AND OTHER METHODS AS PRESCRIBED BY THE PIPE AND COUPLING MANUFACTURER SHALL BE ACCEPTABLE.

O. PROVIDE ISOLATING BALL VALVES FOR ALL BRANCHES OFF DOMESTIC WATER MAINS. ALL PLUMBING SYSTEM VALVES SHALL BE INSTALLED IN ACCESSIBLE CEILING SPACES. WHERE CEILING IS NOT ACCESSIBLE, OR SPACE IS CONFLICTING, VALVES SHALL BE INSTALLED IN PARTITIONS OR PIPE CHASES. PROVIDE MILCOR STYLE 'K' PAINTED STEEL HINGED ACCESS PANELS IN LOCATIONS PRE-APPROVED BY THE ARCHITECT.

P. ALL HOT WATER AND HOT WATER CIRCULATING PIPING SHALL HAVE 1" THICK FIBERGLASS INSULATION WITH ALL SERVICE JACKET AND SELF SEALING LAP JOINT.

Q. INSTALL EACH WATER HEATER AND ALL OTHER PLUMBING EQUIPMENT WITH ADEQUATE CLEARANCES FOR ACCESS BY SERVICE PERSONNEL AND WITH PROPER ORIENTATION FOR ELEMENT REMOVALS/REPLACEMENTS.

R. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATING LOCATIONS OF ALL SANITARY VENTS UP THROUGH ROOF TO MAINTAIN MINIMUM 25' CLEARANCE TO ANY BUILDING OUTDOOR AIR INLET.

S. CONTRACTOR SHALL STERILIZE ALL DOMESTIC WATER PIPING ACCORDING TO AMERICAN WATER WORKS ASSOCIATION (AWWA) SPECIFICATIONS.

T. SHOCK ARRESTORS SHALL CONFORM WITH THE REQUIREMENTS OF SSE 1010 AND SHALL BE SIZED AND LOCATED PER PLUMBING AND DRAINAGE INSTITUTE STANDARD WH-201. ACCESS PANELS REQUIRED FOR FIXTURE GROUPS SHALL BE SIZED TO ALLOW SERVICE TO SHOCK ARRESTORS WHERE POSSIBLE. LOCATIONS AND SIZES OF REQUIRED ACCESS PANELS SHALL BE REVIEWED FOR APPROVAL BY THE ARCHITECT PRIOR TO INSTALLATION.

U. ALL CAST IRON FITTINGS AND INSTALLATION SHALL COMPLY WITH THE CAST IRON SOIL PIPE INSTITUTE (CISPI) STANDARDS.

V. FLASH FLOOR DRAINS IN FLOORS WITH TOPPING OVER FINISHED AREAS WITH 40 MIL PVC MEMBRANE, 10 INCHES CLEAR ON SIDES WITH MINIMUM 36 X 36 INCH SHEET SIZE. FASTEN WATERPROOFING MEMBRANE FLASHING TO DRAIN CLAMP DEVICE.

GENERAL PLUMBING NOTES: (RENOVATIONS)

A. FIELD VERIFY AS NECESSARY THE EXACT LOCATION, SIZE, DEPTH BELOW FLOOR/HEIGHT ABOVE CEILING, ROUTING, DIRECTION OF FLOW, CAPACITY, PIPE MATERIAL, AND CONDITION OF EXISTING PIPING. MAKE ADJUSTMENTS AS REQUIRED.

B. COORDINATE ALL WORK WITH THE WORK OF OTHER TRADES TO AVOID CONFLICTS AND TO MINIMIZE INTERRUPTION OF SERVICES.

C. THE PROPER INSTALLATION OF NEW FIXTURES AND THE PROPER CONTINUED OPERATION OF EXISTING BUILDING FIXTURES TO REMAIN SHALL GOVERN THE EXTENT AND NATURE OF WORK.

D. THE CONTRACTOR SHALL MAKE ARRANGEMENTS IN ADVANCE WITH THE OWNER PRIOR TO ANY NECESSARY SHUT DOWN OF THE DOMESTIC WATER OR ANY OTHER SERVICE. ANY SUCH SHUT DOWN SHALL BE AT A TIME AND FOR A DURATION SATISFACTORY TO THE OWNER, WHO SHALL MAKE THE FINAL DETERMINATION AS TO ITS ACCEPTABILITY.

E. SITE INSPECTION: CONTRACTOR SHALL VISIT THE SITE OF WORK PRIOR TO SUBMITTING A BID AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND EXACT NATURE OF WORK. SUBMISSION OF A BID ACKNOWLEDGES FULL RESPONSIBILITY FOR FURNISHING A COMPLETE AND FUNCTIONAL SYSTEM. NO CHANGES IN THE CONTRACT WILL BE MADE TO ACCOMMODATE OR ALLOW EXTRA FUNDS FOR ANY OMISSION WHICH RESULTS FROM FAILURE TO MAKE SUCH A THOROUGH EXAMINATION. NOTE THAT FOR GRAPHICAL CLARITY, ALL EXISTING PIPING TO REMAIN OR BE ABANDONED IN PLACE MAY NOT BE SHOWN ON THE FLOOR PLANS.

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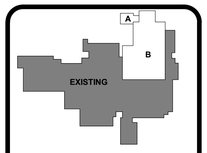
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DAVID W. CARTER HIGH SCHOOL BLACK BOX RENOVATIONS AND ADDITION

ORG 023
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ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT





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DALLAS ISD

DATE	PROJECT NUMBER
2025-08-25	230050

DRAWING HISTORY

No.	Description	Date

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PLUMBING SYMBOL LEGEND

P001

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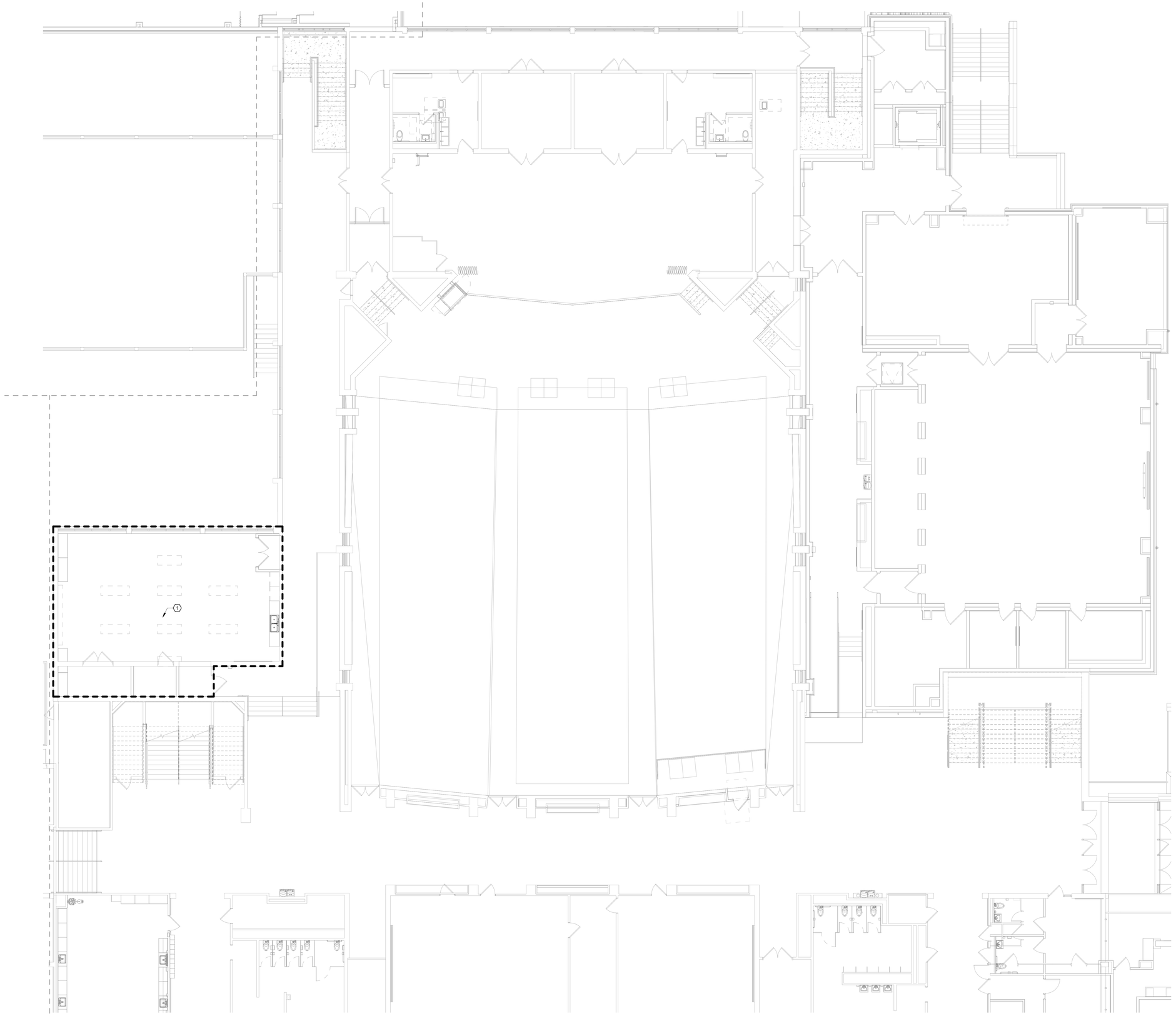
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0"

1"

PLUMBING KEYED NOTES

1 CONTRACTOR TO REMOVE EXISTING FIRE PROTECTION. REMOVE AND PROTECT EXISTING FIRE PROTECTION SYSTEM AND ACCESSORIES DURING RENOVATION. REINSTALL ACCORDING TO THE NEW RCP, DETAILED IN THE ARCHITECTURAL DRAWINGS.



1 PD311 **PLUMBING DEMOLITION PLAN - AUDITORIUM LEVEL 1**
1/8" = 1'-0"

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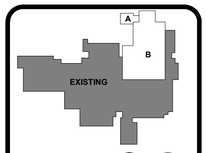
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ENLARGED PLUMBING DEMOLITION PLAN - AUDITORIUM LEVEL 1

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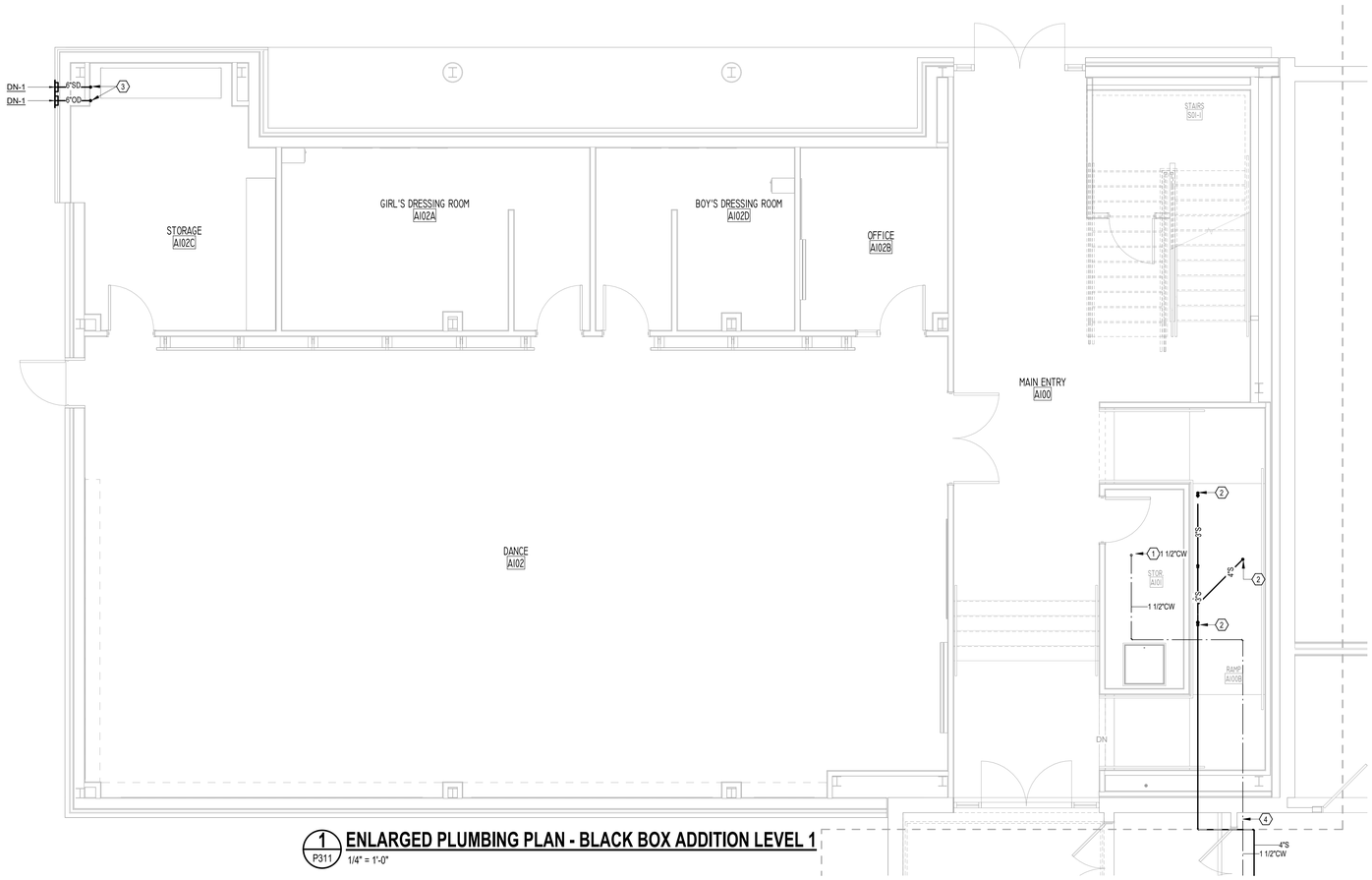
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0"

1"

PLUMBING KEYED NOTES

1. COLD WATER RISE UP INSIDE CHASE/WALL AND EXTEND TO SERVE ADJACENT FIXTURE(S) ON THE LEVEL ABOVE. SIZE AS NOTED.
2. SANITARY SEWER FROM FLOOR ABOVE. SIZE AS NOTED. COORDINATE LOCATION WITH OTHER DISCIPLINES.
3. DROP TO DOWNSPOUT NOZZLE. SIZE AS NOTED.
4. EXTEND 1-1/2" CW LINE TO NEAREST BATHROOM. UPSIZE EXISTING CW LINES AS NEED TO MATCH NEW CONNECTION.



1 / P311 **ENLARGED PLUMBING PLAN - BLACK BOX ADDITION LEVEL 1**

1/4" = 1'-0"

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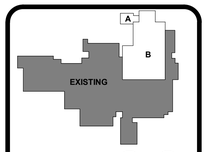
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DAVID W. CARTER HIGH SCHOOL BLACK BOX RENOVATIONS AND ADDITION

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KEY PLAN NORTH: PLAN TRUE



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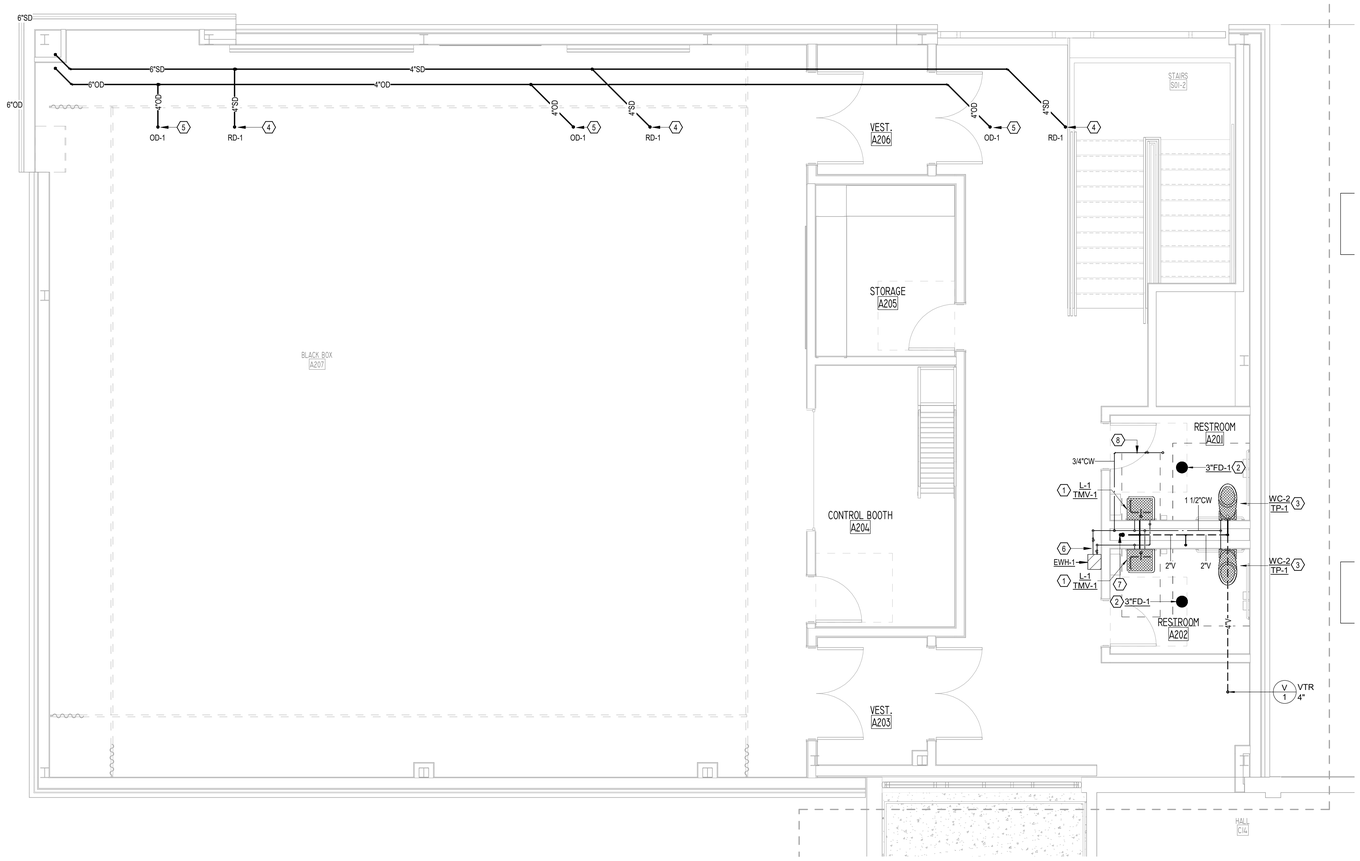
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ENLARGED PLUMBING PLAN - BLACK BOX LEVEL 1

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1 ENLARGED PLUMBING PLAN - BLACK BOX ADDITION LEVEL 2

1/4" = 1'-0"

PLUMBING KEYED NOTES

1. 2" WASTE DOWN, 2' VENT UP.
2. 3" WASTE DOWN, 2' VENT UP.
3. 4" WASTE DOWN, 2' VENT UP.
4. STORM DOWN FROM ROOF DRAIN ABOVE, SIZE AS NOTED.
5. STORM DOWN FROM OVERFLOW DRAIN ABOVE, SIZE AS NOTED.
6. PROVIDE 3/4" HOT & COLD WATER TO EWH-1. MOUNT WATER HEATER ABOVE CEILING W/ UNISTRUT SUPPORT ON ADJACENT WALL. ROUTE T&P LINE TO IN FUNNEL DRAIN IN PLUMBING CHASE. INSTALL WITH A 2" MINIMUM AIR GAP.
7. PROVIDE A FUNNEL DRAIN EQUAL TO ZURN Z1019 WITH PROSET TRAP GUARD IN PLUMBING CHASE TIED INTO LAVATORY SANITARY PIPING. PROVIDE 12"X12" STAINLESS STEEL ACCESS PANEL. INSTALL ACCESS PANEL AND DRAIN BELOW LAVATORY. PIPING FROM FUNNEL DRAIN TO THE FIRST 15' OF HORIZONTAL DOWNSTREAM SANITARY PIPING SHALL BE SCH. 40 CAST IRON.
8. 3/4" CW UP TO ROOF HYDRANT.

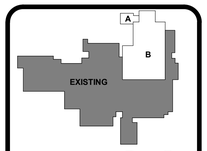
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DAVID W. CARTER HIGH SCHOOL BLACK BOX
RENOVATIONS AND ADDITION

ORG 023
1819 W WHEATLAND RD.
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DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
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DRAWING HISTORY

No.	Description	Date

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ENLARGED PLUMBING PLAN - BLACK BOX LEVEL 2

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RM	CQ	AB/JCH	MC	--

0"

1"

PLUMBING KEYED NOTES

CONTRACTOR TO REMOVE EXISTING FIRE PROTECTION. REMOVE AND PROTECT EXISTING FIRE PROTECTION SYSTEM AND ACCESSORIES DURING RENOVATION. EXTEND EXISTING CONNECTIONS TO ALIGN WITH NEW ROP AND COORDINATE INTEGRATION WITH ARCHITECTURAL PLANS.

1 MODIFY EXISTING FIRE SPRINKLER SYSTEM TO PROVIDE SULLY COMPLIANT SPRINKLER COVERAGE IN ACCORDANCE WITH NFPA 13 AS WELL AS THE PROVIDED PERFORMANCE BASED SPECIFICATIONS FOR THE INSTALLATION AND MODIFICATION OF THE EXISTING AUTOMATIC SPRINKLERS. PROVIDE COMPLIANT SPRINKLER COVERAGE DURING CONSTRUCTION AND FOR THE FINISHED FLOOR PLAN. REFER ALSO TO ARCHITECTURAL DRAWINGS FOR THE EXTENT OF CONSTRUCTION AREA AND REFLECTIVE CEILING PLAN.

2 CONTRACTOR SHALL ROUTE 3/4" CW LINE FROM NEARBY MECHANICAL ROOM IN CRAWL SPACE AND A 3/4" HW LINE TO NEARBY 2-1/2" HW MAIN TO PROVIDE WATER TO NEARBY FIXTURE.

3 2" UP TO VENT THROUGH ROOF. VENT TERMINAL SHALL BE LOCATE AT MINIMUM 15' FROM ANY OPENING OR OUTSIDE AIR INTAKE. FIELD VERIFY VENT TERMINAL LOCATION PRIOR TO INSTALLATION

1 P314

HALL C14.1

HALL C14.2

HALL C03

STAGE 170A

STORAGE 170B

CORR. C02

SCENE SHOP I67

3/4"CW
3/4"HW

2"V

4"S

SK-2

2"S

AUDITORIUM 170

2 1/2"HW
3/4"HWR
3/4"HWR
3/4"HWR

Y

CORRIDOR C01

1 P313 **PLUMBING PLAN - AUDITORIUM LEVEL 1**
1/8" = 1'-0"

PBK

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ACOUSTIC
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BUILDING ENVELOPE
BEAN
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DAVID W. CARTER HIGH SCHOOL BLACK BOX RENOVATIONS AND ADDITION

ORG 023
1819 W WHEATLAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT

A B EXISTING

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
RYAN G. MILLER
131259
LICENSED PROFESSIONAL ENGINEER
08-25-25

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025-08-25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

ENLARGED PLUMBING PLAN - AUDITORIUM LEVEL 1

P313

JONES DBR
STATE OF TEXAS HUB FIRM
915.781.1711 p
https://www.jonesdbr.com/
TBPE Firm Registration No. 13002
JONESDBR Project # 2306.000

RM	CQ	AB/JCH	MC	--

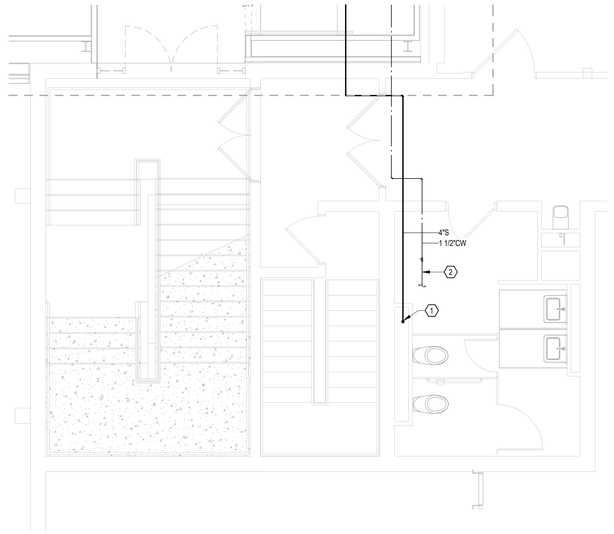
0"

1"

PLUMBING KEYED NOTES

1 DROP 4" SS DOWN INTO CRAWLSPACE LEVEL RESTROOM CHASE AND CONNECT TO EXISTING SANITARY SYSTEM.

2 EXTEND 1-1/2" CW LINE TO NEAREST BATHROOM. UPSIZE EXISTING CW LINES AS NEED TO MATCH NEW CONNECTION.



1 P314 **1st LEVEL CRAWL SPACE - ENLARGED FLOOR PLAN**
1/4" = 1'-0"

PBK

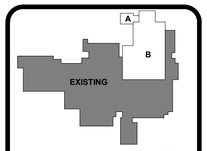
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DAVID W. CARTER HIGH SCHOOL BLACK BOX RENOVATIONS AND ADDITION

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DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025-08-25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

ENLARGED PLUMBING PLAN - CRAWL SPACE

P314

JONES DBR
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RM	CQ	AB/JCH	MC	--

PLUMBING SCHEDULES

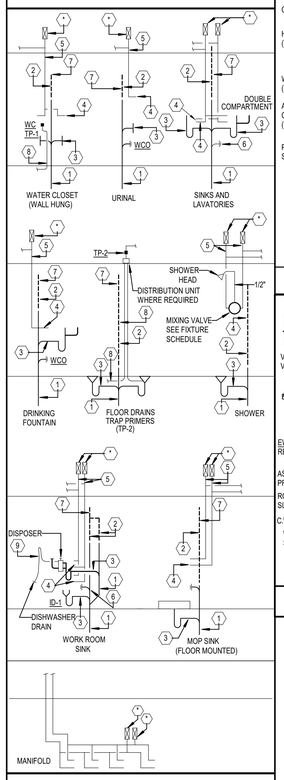
P501

FOR BLUEBEAM LABELING OCR:

0"

1"

TYPICAL PLUMBING RISER DETAILS



KEYED NOTES - TYPICAL RISER DIAGRAM DETAILS:
(NOT ALL RISERS USED IN EVERY PROJECT.)

1. REFER TO PLUMBING FIXTURE SCHEDULE FOR SOIL OR WASTE ROUGH-IN PIPE SIZE. MINIMUM SOIL OR WASTE DRAIN LINE SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
2. REFER TO PLUMBING FIXTURE SCHEDULE FOR SANITARY VENT ROUGH-IN PIPE SIZE. MINIMUM SANITARY VENT BRANCH SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE
3. REFER TO PLUMBING FIXTURE SCHEDULE FOR FIXTURE DRAIN ROUGH-IN PIPE SIZE. MINIMUM FIXTURE DRAIN AND TRAP SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE
4. REFER TO PLUMBING FIXTURE SCHEDULE FOR WATER PIPING ROUGH-IN PIPE SIZE. MINIMUM WATER SUPPLY BRANCH SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
5. WATER HAMMER ARRESTOR INLET; REFER TO ARRESTOR SCHEDULE FOR SIZE. LOCATION SHOWN HERE FOR INDIVIDUAL FIXTURE WILL VARY WHERE INCLUDED AS PART OF PLUMBING CHASE BATTERY OF PIPING. REFER TO RISER DIAGRAMS FOR MANIFOLD LOCATIONS. ARRANGE ALL WATER LINES TO GRAVITY DRAIN.
6. WALL CLEANOUTS SHALL BE PROVIDED AT ALL END OF BATTERY OR END OF BRANCH LINE FIXTURES AND WHERE REQUIRED BY PLUMBING CODE OFFICIALS TO ASSURE COMPLETE ACCESS TO ALL PORTIONS OF DRAIN.
7. SANITARY VENT PIPES SHALL CONTINUE TO CEILING OR HEADER TOGETHER AT MINIMUM 42" ABOVE FINISHED FLOOR.
8. TRAP PRIMER LINE; SEE PLUMBING DETAILS SHEET. EXTEND AND CONNECT TO FLOOR DRAIN TRAP AS SHOWN.
9. AIR GAP FITTING; PROVIDE WHERE REQUIRED BY CODE.

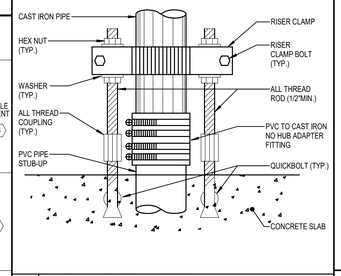
WATER HAMMER ARRESTOR SCHEDULE

P.D.I. SYMBOL	FIXTURE UNITS	SIZE
A	1-11	1/2" NPT
B	12-32	3/4" NPT
C	33-60	1" NPT
D	61-113	1 1/4" NPT
E	114-154	1 1/2" NPT
F	155-330	2" NPT

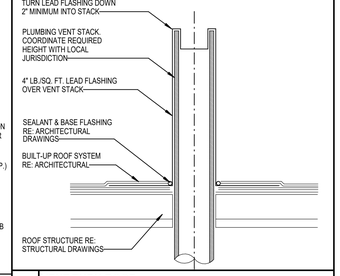
PIPING RISER DIAGRAMS/TYPICAL RISER DETAILS ILLUSTRATE WATER HAMMER ARRESTORS FOR FIXTURE WATER PIPE OPENINGS. ALL ARRESTORS SHALL BE SIZED AS INDICATED ON DRAWINGS OR IN ACCORDANCE WITH THIS SCHEDULE, WHICHEVER PLACES THE MOST STRINGENT REQUIREMENT.

PROVIDE ARRESTORS IN ACCORDANCE WITH THE REQUIREMENTS OF PLUMBING DRAINAGE INSTITUTE (PDI) STANDARD PDI-WH-201. THE USE OF AIR CHAMBERS SHALL NOT BE ACCEPTABLE.

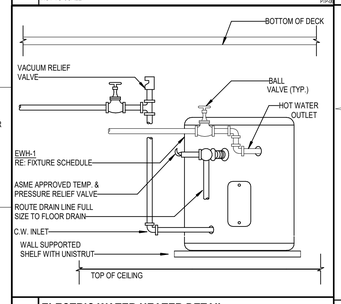
WATER HAMMER ARRESTORS SHALL HAVE LIFETIME WARRANTY AND SHALL BE CERTIFIED BY THE MANUFACTURER AS SUITABLE FOR INSTALLATION WITHOUT A REQUIREMENT FOR ACCESS PANELS. NONETHELESS, ACCESS PANELS SHALL BE PROVIDED IF AND AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ).



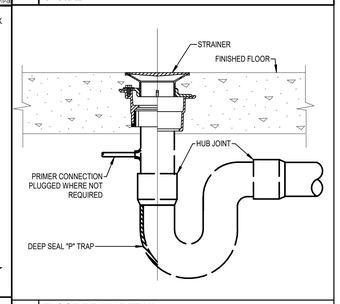
1 PVC TO CAST IRON SUPPORT
NOT TO SCALE PTP-01



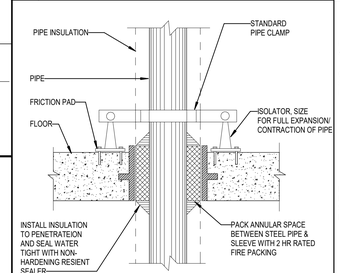
2 VENT THRU ROOF
NOT TO SCALE



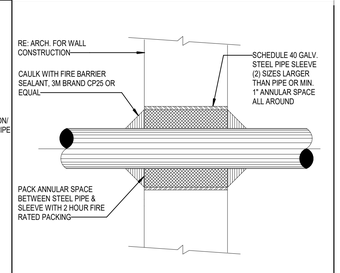
3 ELECTRIC WATER HEATER DETAIL
NOT TO SCALE PHHE-02



4 FLOOR DRAIN DETAIL
NOT TO SCALE PTP-05



5 FIRE RATED FLOOR PENETRATION
NOT TO SCALE PTP-02



6 FIRE WALL PIPE PENETRATION
NOT TO SCALE PTP-04

GENERAL NOTES - PLUMBING FIXTURES

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS AND DIMENSIONS OF FINISHED FLOORS AND WALLS.TRUE ALL DRAINS, ROUGH-IN'S AND CARRIERS IN ACCORDANCE WITH WITH PROPOSED ELEVATIONS AND FINISHED SURFACES.
2. MOUNTING HEIGHT ELEVATION OF ALL WALL HUNG OR COUNTER MOUNTED FIXTURES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION OF ROUGH-IN WORK.
3. FOR ALL FIXTURES AND EQUIPMENT WITH ASSOCIATED TRIM OR COMPONENT ACCESSORIES PROVIDED UNDER SEPARATE DIVISIONS AND REQUIRING PLUMBING CONNECTIONS; THIS CONTRACTOR SHALL FIELD COORDINATE EXACT REQUIREMENTS OF, MAKE PROVISIONS FOR, AND SUPPLY ALL MATERIALS AND LABOR FOR MAKING FINAL CONNECTIONS.
4. CONTRACTOR SHALL REFER TO SHOP DRAWINGS OF EQUIPMENT TO BE SUPPLIED FOR FINAL COORDINATION OF ALL ROUGH-IN OPENINGS BEFORE BEGINNING WORK.
5. ALL FIXTURE AND EQUIPMENT STUB-OUTS SHALL BE PROVIDED WITH A STOP VALVE. ALL FIXTURE STOPS SHALL BE SOLID BRASS, LOOSE KEY OPERATED, CHROME PLATED (WHERE EXPOSED), AND FITTED TIGHT TO CHROME PLATED BRASS WALL ESCUTCHEON PLATES. SUPPLY RISERS SHALL BE TYPE 'L' TUBING, CHROME PLATED. PROVIDE McGUIRE No. H2165LK, 1/2" FIP X 3/8" OD COMPRESSION FOR ALL SINKS AND LAVATORIES AND SIMILAR FIXTURES AND McGUIRE No. H2169LK 1/2" FIP X 1/2" OD COMPRESSION FOR WATER CLOSETS AND SIMILAR FIXTURES.
6. ALL P-TRAPS WITHIN THE BUILDING, ABOVE GRADE AND EXPOSED TO INSPECTION SHALL BE C.P. ADJUSTABLE. CAST BRASS WITH CLEANOUT PLUG. PROVIDE CAST BRASS SLIP NUTS AND WASHERS, 17 GAGE SEAMLESS TUBULAR BRASS DRAIN TO WALL AND WALL FLANGE. PROVIDE McGUIRE No. 8872C, 1-1/4" P-TRAP FOR ALL LAVATORIES AND SIMILAR FIXTURES PROVIDE McGUIRE No. 8912C, 1-1/2" P-TRAP FOR ALL SINKS AND SIMILAR FIXTURES.
7. EACH FIXTURE TRAP SHALL HAVE A LIQUID SEAL OF NOT LESS THAN 2 INCHES AND NOT MORE THAN 4 INCHES, EXCEPT WHERE A DEEPER SEAL IS FOUND NECESSARY BY THE AUTHORITY HAVING JURISDICTION.
8. ALL ROUGH IN OPENINGS SHALL BE FITTED WITH CHROME PLATED, WROUGHT BRASS DEEP BELL OR BOX ESCUTCHEON PLATES FITTED TIGHT TO THE PIPE AND FLUSH TO THE WALL. STEEL ESCUTCHEON PLATES ARE NOT ACCEPTED.
9. ALL EXPOSED BRASS SHALL BE CHROME PLATED.
10. ALL HANDICAPPED ACCESSIBLE FIXTURES INDICATED WITH "ADA" SHALL BE PROVIDED OF APPROVED TYPES AND WITH REQUIRED CONTROLS AND INSTALLED TO HEIGHTS AND CLEARANCES, AS PRESCRIBED BY AMERICAN WITH DISABILITIES ACT (ADA). FIXTURES SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL ACCESSIBILITY CODE REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED MOUNTING HEIGHTS AND SPECIFIED CLEARANCE REQUIREMENTS. PROVIDE FIXTURES WITH DEPTHS AT MAXIMUM PERMITTED AND AVAILABLE FOR INTENDED FIXTURE USE.
11. ALL WHEELCHAIR LAVATORY AND SINK PIPING WHERE EXPOSED SHALL BE INSULATED. PROVIDE OFFSET DRAIN FITTINGS WHERE REQUIRED TO PROVIDE MINIMUM CLEARANCES.
12. ALL SINKS FOR HANDICAPPED USE SHALL BE STAMPED WITH DRAIN OUTLET AT REAR OF BOWL.
13. PLUMBING FIXTURES SHALL BE OF WATER CONSERVATION TYPE IN ACCORDANCE WITH SENATE BILL 587 FOR WATER SAVING PERFORMANCE. LAVATORY AND SINK FAUCETS SHALL INCLUDE 2.2 GPM FLOW CONTROL.
14. ORIENT ADA WATER CLOSET FLUSH VALVE WITH OPERATOR ON LARGE SIDE OF ENCLOSURE.
15. SEAL ALL SPACES BETWEEN PLUMBING FIXTURES AND MOUNTING SURFACES WITH WHITE LATEX CAULK WIPED SMOOTH AND FLUSH WITH FIXTURE.
16. FLOOR DRAINS SHALL BE INSTALLED AT LOW POINTS OF UNIFORMLY SLOPED FLOOR. CONTRACTOR SHALL FIELD COORDINATE WITH STRUCTURAL TO INSURE FLOORS ARE SLOPED UNIFORMLY ACROSS ENTIRE TOILET ROOMS OR OVER AS WIDE AN AREA AS PRACTICAL FOR OPEN AREA FLOOR DRAINS. CONVEX FLOOR SLOPE IN THE IMMEDIATE VICINITY OF THE FLOOR DRAIN IS NOT ACCEPTABLE.
17. PROVIDE AND INSTALL WATER FILTER AT EACH AND EVERY ICE MAKING MACHINE. THIS CONTRACTOR SHALL MAKE FINAL CONNECTIONS FOR EQUIPMENT WITH PLUMBING REQUIREMENTS.
18. ALL LAVATORIES, WASHFOUNTAINS, DRINKING FOUNTAINS AND SINKS SHALL HAVE WALL CLEANOUTS.

PLUMBING FIXTURE SCHEDULE

PLAN MARK	MINIMUM ROUGH-IN SIZES WASTE	VENT	CW	HW	DESCRIPTION
WATER CLOSET WC-1 ADA WALL MOUNT	4"	2"	1"	---	SLOAN ST2459A – VITREOUS CHINA, SIPHON JET, FULLY GLAZED TRAPWAY, 1.5" TOP STUD, WATERSENSE LISTED.
FLUSH VALVE					SLOAN ROYAL No.111-1.28 FLUSH VALVE LOW CONSUMPTION (MANUAL) VALVE. POLISHED CHROME FINISH.
ACCESSORIES					TOTO MODEL: SC534 WHITE OPEN FRONT SEAT LESS COVER. ZURN MODEL: Z5610-NUT-EXT-KIT - EXTENDED ACORN NUT KIT WITH WASHERS. CARRIER ZURN Z1202-NO OR EQUAL FOR HORIZONTAL DISCHARGE AS NEEDED FOR PROJECT. FOR FULL DESCRIPTION REFER TO PROJECT SPECIFICATIONS. REFER TO ARCHITECTS PLANS FOR MOUNTING HEIGHT.
LAVATORY L-1 WALL MOUNT	2"	2"	1/2"	1/2"	SLOAN SS3065 - VITREOUS CHINA WALL-MOUNTED LEDGEBACK LAVATORY
FAUCET					T&S BRASS B-0805-VR-VF05 - SINGLE HOLE, SINGLE TEMPERATURE, DECK MOUNT FAUCET WITH POLISHED CHROME PLATED BRASS BODY, 0.5 GPM VANDAL RESISTANT NON-AERATED SPRAY DEVICE, METERING CARTRIDGE, PUSH BUTTON CAP, 1/2" NPSM MALE INLET AND 6" DECK PLATE. CERTIFIED TO ASME A112.18.1/CSA B125.1, NSF 61-SECTION 9 AND NSF 372. MEETS ADA ANSI/ICC A117.1 REQUIREMENTS
ACCESSORIES					FIXED GRID PERFORATED DRAIN STRAINER, OFFSET TAILPIECE. CAST BRASS P-TRAP WITH CO, STOPS, SUPPLIES. PROVIDE JAY R SMITH 0700-M32-CONCEALED FLOOR MOUNTED LAVATORY SUPPORT WITH "PRO-SET" UPRIGHTS AND ARMS. REFER TO ARCHITECTS PLANS FOR MOUNTING HEIGHT. PROVIDE TMV-1.
SINK SK-1 ADA	2"	2"	1/2"	1/2"	ELKAY No. LRAD291855 "LUSTERTONE" DOUBLE COMPARTMENT SINK, THREE HOLE PUNCH, 5-1/2" DEEP STAINLESS STEEL SINK WITH OFF CENTER DRAIN OPENING.
FAUCET					ZURN MODEL: Z871B4-XL POLISHED CHROME-PLATED 8" BRASS DECK FAUCET WITH RIGID SPOUT AND QUARTER TURN CERAMIC DISC CARTRIDGES. 2.0 GPM AERATOR FLOW CONTROL IN BASE SPOUT.
ACCESSORIES					ELKAY No.LK-18 GRID DRAIN STRAINER, OFFSET TAILPIECE, CAST BRASS P-TRAP WITH CO, SUPPLY STOPS, PROVIDE INSULATION KIT WHERE TRIM IS EXPOSED. REFER TO ARCHITECTS PLANS FOR MOUNTING HEIGHT. PROVIDE WITH TMV-1
TMV-1 POINT-OF-USE	3/8"	3/8"	---	---	LEONARD 170A-LF-ASSE 1070 CERTIFIED POINT OF USE THERMOSTATIC TEMPERATURE LIMITING DEVICE. INTEGRAL INLET CHECKS WITH STAINLESS STEEL SCREENS. LEAD-FREE CONSTRUCTION WITH VANDAL RESISTANT LOCKNUT. 0.25 GPM MINIMUM FLOW. PROVIDE WITH MOUNTING BRACKET AND COLD WATER BYPASS.
FLOOR DRAIN FD-1	3"	2"	---	---	JAY R SMITH 2005-A05NB-P050-DUCO CAST IRON BODY FLOOR DRAIN WITH FLASHING COLLAR, 5" ROUND NICKEL BRONZE STRAINER, PROVIDE WITH PROSET TRAP GUARD.
TRAP PRIMER TP-1	---	---	1/2"	---	SLOAN No. VBF-72-A1 FLUSH VALVE VACUUM BREAKER TRAP REFILL SUPPLY. AFFIX UNIT TO WATER CLOSET NEAREST TO THE FLOOR DRAIN SUPPLIED. ALL EXPOSED TO BE CHROME PLATED; CONCEALED DRAIN TUBING SHALL BE 1/2" TYPE "K" SOFT COPPER.
ROOF HYDRANT RH-1	3/4"	---	---	---	MAPA MPH-24-FP-STAINLESS STEEL ROOF HYDRANT WITH WEATHER GUARD DOME, 24" ABOVE ROOF, 9" BELOW ROOF FLANGE.
ROOF DRAIN RD-1	---	---	---	---	JAY R SMITH MODEL-1010-CID-C-R -DUCO CAST IRON BODY ROOF DRAIN WITH FLASHING CLAMP, GRAVEL STOP, CAST IRON DOME, UNDERDECK CLAMP, AND DRAIN RECEIVER, CAULKED OR NO-HUB OUTLET. DRAIN TO BE INSTALLED WITH MINIMUM OF 36" ADJACENT ROOF DRAIN.
OVERFLOW DRAIN OD-1	---	---	---	---	JAY R SMITH MODEL: 1080-CID-C-R - DUCO CAST IRON BODY OVERFLOW ROOF DRAIN WITH FLASHING CLAMP WITH 2" WATER DAM, GRAVEL STOP, CAST IRON DOME, UNDERDECK CLAMP, AND DRAIN RECEIVER. DRAIN TO BE INSTALLED WITH MINIMUM OF 36" ADJACENT ROOF DRAIN.
DOWNSPOUT DN-1 NOZZLE	---	---	---	---	JAY R SMITH 1775 SERIES-FABRICATED 304 STAINLESS STEEL DOWNSPOUT COVER WITH HINGED PERFORATED COVER
WALL CLEANOUT WCO	---	---	---	---	JAY R SMITH MODEL: 4435-NB-U DURO-COATED CAST IRON CLEANOUT WITH COUNTER-SUNK GASKET, WATERTIGHT THREADED PLUG AND SQUARE SMOOTH NICKEL BRONZE ACCESS COVER WITH VANDAL PROOF SCREWS.
FLOOR CLEANOUT FCO	---	---	---	---	JAY R SMITH 4020 SERIES-DUCO CAST IRON CLEANOUT WITH ROUND SCORIATED SECURED NICKEL BRONZE TOP AND CLOSURE PLUG.

* - REFER TO DRAWINGS FOR SIZING.
GENERAL NOTES:
1. FOR ALL SUPPLY STOPS AND TRIM REFER TO THE PLUMBING FIXTURE SUPPLIES AND TRIM SCHEDULE.
2. FOR MOUNTING HEIGHTS OF INDIVIDUAL FIXTURES, REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
3. CONTRACTOR TO COORDINATE LOCATION OF DRAINS, TRENCH DRAIN AND FLOOR SINKS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.

PIPING MATERIAL SCHEDULE

PIPING SYSTEM	PIPING MATERIAL
DOMESTIC HOT& COLD WATER PIPING, WITHIN BUILDING BELOW GRADE	COPPER TUBING: ASTM B88, TYPE K, SOFT ANNEALED
DOMESTIC HOT& COLD WATER PIPING, WITHIN BUILDING ABOVE GRADE	COPPER TUBING: ASTM B88, TYPE L, HARD DRAWN.
FIRE SPRINKLER ABOVE GROUND - 2" AND SMALLER (WET PIPE SPRINKLER)	ASTM A135/A135M / ASTM A795/A795M SCHEDULE 40 BLACK STEEL THREADED PIPE AND CAST IRON OR MALLEABLE IRON FITTINGS
FIRE SPRINKLER ABOVE GROUND - 2-1/2" AND LARGER (WET PIPE SPRINKLER)	ASTM A135/A135M / ASTM A53/A53M SCHEDULE 40 BLACK STEEL PIPE WITH ROLL-GROOVED ENDS, JOINED WITH MECHANICAL COUPLINGS AND WITH MANUFACTURED CARBON STEEL GROOVED FITTINGS WITH MATCHING MECHANICAL COUPLINGS FOR PIPE 2-1/2" AND LARGER.
FIRE SPRINKLER ABOVE GROUND - 2" AND SMALLER (WET PIPE SPRINKLER)	ASTM A135/A135M / ASTM A53/A53M SCHEDULE 10 BLACK STEEL PIPE WITH ROLL-GROOVED ENDS, JOINED WITH MECHANICAL COUPLINGS AND WITH MANUFACTURED CARBON STEEL GROOVED FITTINGS WITH MATCHING MECHANICAL COUPLINGS FOR PIPE 2-1/2" AND LARGER.
SANITARY SOIL, WASTE AND VENT PIPING, BURIED WITHIN 5 FT OF BUILDING, BELOW GRADE	PVC PIPE: ASTM D1785 / ASTM D2665 SCHEDULE 40 SOLID WALL; INSTALLED PER ASTM D2321.
SANITARY SOIL, WASTE AND VENT PIPING, WITHIN BUILDING, ABOVE GRADE	CAST IRON PIPE: CISPI 301 OR ASTM A888, HUBLESS.

GENERAL NOTES:
1. REFER TO PROJECT SPECIFICATIONS FOR FURTHER CLARIFICATION AND COMPLETE PIPING DESCRIPTION.

ELECTRIC WATER HEATER SCHEDULE

PLAN MARK	MANUFACTURER	MODEL #	TYPE	FUEL	GALLONS	HEATING LOAD (BTU/hr)	CW INLET	HW OUTLET	GPH RECOVERY @ 90° TEMP RISE	STANDBY LOSS (%/hour)	ELECTRICAL REQUIREMENTS VOLTS (V)	PHASE	kW	AMPS
ELECTRIC WATER HEATER EWH-1	A.O. SMITH	EJC-10	STORAGE TANK	ELECTRIC	10	---	3/4"	3/4"	8	0.87	120	1	1.65	13.8

NOTES:
1. PROVIDE WITH WALL MOUNTED WATER HEATER PLATFORM.
2. PROVIDE ASME TEMPERATURE AND PRESSURE RELIEF VALVE, AND DIAL THERMOMETER IN HW OUTLET PIPING
3. FOR POWER AS SCHEDULED ON ELECTRICAL DRAWINGS, VERIFY WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.

PLAN MARK	MANUFACTURER	MODEL #	DESCRIPTION	ELECTRICAL REQUIREMENTS VOLTS (V)	PHASE	kW	HP
THERMAL EXPANSION TANK ET-1	AMTROL	THERM-X-TROL MODEL ST-5-C	ASME THERMAL EXPANSION ABSORBERS, SAFETY RELIEF VALVE, MAXIMUM WORKING PRESSURE 150 PSIG, TOTAL VOLUME 2.0 GALLONS.	--	--	--	--

PLUMBING FIXTURE SUPPLIES AND TRIM

FIXTURE	MANUFACTURER	STRAINER	P-TRAP	SIZE	ANGLE STOP AND SUPPLY RISER
LAVATORY	McGUIRE	HD155A	8872	1-1/4"	LFBV2165-LK, 1/2" I.P.S. X 3/8" O.D.

NOTE:

1. STRAINERS SHALL BE HEAVY CAST BRASS CHROME PLATED WITH MATCHING GRID TYPE STRAINER, WITH OR WITHOUT OVERFLOW AS REQUIRED. 17 GAUGE SEAMLESS BRASS TAILPIECE OF LENGTH DETERMINED BY INSTALLATION REQUIREMENTS. PROVIDE COMPLETE WITH WASHERS AND BRASS LOCKNUT.
2. P-TRAPS SHALL BE 17 GAUGE SEAMLESS CHROME-PLATED BRASS, ADJUSTABLE TYPE. PROVIDE COMPLETE WITH CLEANOUT PLUG, CHROME-PLATED BRASS SLIP NUTS, WALL BEND, AND WROUGHT BRASS ESCUTCHEON OF DEPTH DETERMINED BY INSTALLATION REQUIREMENTS.
3. ANGLE STOPS SHALL BE LEAD-FREE COMMERCIAL PATTERN CHROME-PLATED BRASS, QUARTER-TURN BALL TYPE WITH LOOSE KEY HANDLES. PROVIDE COMPLETE WITH CHROME-PLATED COPPER SUPPLY RISERS AND WROUGHT BRASS ESCUTCHEON OF DEPTH DETERMINED BY INSTALLATION REQUIREMENTS.
4. PIPE TRIM INSULATION SHALL BE COMPLIANT, WHITE MOLDED VINYL, FADE/DISCOLORATION-RESISTANT, BACTERIA/FUNGAL-RESISTANT INSULATION.
5. PROVIDE ZURN OR EQUAL FLOOR MOUNTED CARRIER.

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DAVID W. CARTER HIGH SCHOOL BLACK BOX RENOVATIONS AND ADDITION

ORG 023
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ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



CLIENT
DALLAS ISD

DATE 2025-08-25
PROJECT NUMBER 230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

BUILDING NUMBER

PLUMBING SCHEDULES

P501

File Path: Autodesk Docs://DISD_230050_DC HS Black Box Add/David Carter Black Box Addition - MEP23.rvt

CHECKED BY:
DBR
DRAWN BY:
DBR
Plot Stamp:
8/28/2025 10:05:59 AM

GENERAL ABBREVIATIONS

--	NOT APPLICABLE	L	LENGTH, LEFT
		L/R	LEFT/RIGHT
@	AT	LAN	LOCAL AREA NETWORK
		LB	POUNDS
3DC	3D CONTROLLER	LF	LINEAR FEET
		LTG	LIGHTING
A/C	AIR CONDITIONING		
ABV	ABOVE	MAX	MAXIMUM
AC	ALTERNATING CURRENT	MDF	MAIN DISTRIBUTION FRAME
ADA	AMERICANS WITH DISABILITIES ACT	MECH	MECHANICAL
ADJ	ADJUSTABLE	MIN	MINIMUM
AFC	ABOVE FINISHED CEILING	MMFO	MULTIMODE FIBER OPTIC CABLE
AFF	ABOVE FINISHED FLOOR	MTD	MOUNTED
AFG	ABOVE FINISHED GRADE		
AHJ	AUTHORITY HAVING JURISDICTION	NA	NOT APPLICABLE
ALT	ALTERNATE	NC	NORMALLY CLOSED
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	NEC	NATIONAL ELECTRICAL CODE
ARCH	ARCHITECT, ARCHITECTURAL	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOC.
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS		NETWORK
AUX	AUXILIARY	NIC	NOT IN CONTRACT
AWG	AMERICAN WIRE GAUGE	NO	NORMALLY OPEN
		NTS	NOT TO SCALE
BFC	BELOW FINISHED CEILING		
BFF	BELOW FINISHED FLOOR	OC	ON CENTER
BLDG	BUILDING	OD	OUTSIDE DIAMETER
BOH	BACK OF HOUSE	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
BOP	BOTTOM OF PIPE	OFE	OWNER FURNISHED EQUIPMENT
BOS	BOTTOM OF STRUCTURE	OFOI	OWNER FURNISHED OWNER INSTALLED
C	CONDUIT	P	PRIMARY
CAT	CATEGORY CABLE	P/O	PART OF
CKT	CIRCUIT	PC	PERSONAL COMPUTER
CL	CENTER LINE	PDU	POWER DISTRIBUTION UNIT
CLG	CEILING	PGM	PROGRAM
CMU	CONCRETE MASONRY UNIT	PH	PHASE
COL	COLUMN	PNL	PANEL
CTRL	CONTROL	PROC	PROCESSOR
		PRH	PROJECT RECEPTACLE HEIGHT
D	DEPTH, DEEP	PRX	PROXIMITY SENSOR
DC	DIRECT CURRENT	PS	POWER SUPPLY
DC	DOWNSTAGE CENTER	PSF	POUNDS PER SQUARE FOOT
DEG	DEGREES	PSH	PROJECT SWITCH HEIGHT
DEMO	DEMOLITION	PSI	POUNDS PER SQUARE INCH
DFP	DIRECTOR'S FLOOR POCKET	PT	PASS THROUGH
DIA	DIAMETER	PVC	POLYVINYL CHLORIDE
DIM	DIMENSION	PWR	POWER
DIV	DIVISION		
DS	DOWNSTAGE	QTY	QUANTITY
DSL	DOWNSTAGE LEFT		
DSR	DOWNSTAGE RIGHT	R	RIGHT
DWG	DRAWING	RCP	REFLECTED CEILING PLAN
		REF	REFERENCE, REFER
EA	EACH	REINF	REINFORCING
EC	ELECTRICAL CONTRACTOR	REQD	REQUIRED
EL	ELEVATION	REV	REVISION, REVISE
ELEC	ELECTRICAL	RM	ROOM
ENCL	ENCLOSURE	RO	ROUGH OPENING
EQ	EQUAL	RPM	REVOLUTIONS PER MINUTE
EQUIP	EQUIPMENT		
ER	EQUIPMENT RACK	S	SURFACE, SECONDARY
ESW	ETHERNET SWITCH	SQFT	SQUARE FEET
EXIST	EXISTING	SIM	SIMILAR
		SL	STAGE LEFT
FA	FIRE ALARM	SMFO	SINGLE MODE FIBER OPTIC CABLE
FB	FLOOR BOX	SMP	STAGE MANAGER POSITION
FLEX	FLEXIBLE	SPEC	SPECIFICATION
FLR	FLOOR	SQ	SQUARE
FO	FINISHED OPENING	SR	STAGE RIGHT
FOH	FRONT OF HOUSE	STD	STANDARD
FPB	FIBER OPTIC PATCHBAY	STP	SHIELDED TWISTED PAIR
FPM	FEET PER MINUTE	SURF	SURFACE
FT	FOOT, FEET	SUSP	SUSPEND
FV	FIELD VERIFY		
		TBD	TO BE DETERMINED
GND	GROUND	THRU	THROUGH
GA	GAUGE	TYP	TYPICAL
H	HEIGHT	UC	UPSTAGE CENTER
HL	HOUSE LEFT	UL	UNDERWRITERS LABORATORIES, INC.
HMP	HOUSE MANAGER POSITION	UNO	UNLESS NOTED OTHERWISE
HOR	HORIZONTAL	UPS	UNINTERRUPTIBLE POWER SUPPLY
HP	HORSEPOWER	US	UPSTAGE
HR	HOUSE RIGHT	USL	UPSTAGE LEFT
HZ	HERTZ	USR	UPSTAGE RIGHT
		USB	UNIVERSAL SERIAL BUS
I/O	INPUT/OUTPUT	UTP	UNSHIELDED TWISTED PAIR
ID	INSIDE DIAMETER		
IDF	INTERMEDIATE DISTRIBUTION FRAME	V	VOLT
IG	ISOLATED GROUND	VA	VOLT-AMPERE
ISO	ISOLATED	VERT	VERTICAL
		VIF	VERIFY IN FIELD
JB	JUNCTION BOX		
JBO	JUNCTION BOX - DATA		
JP	JUNCTION BOX - SYSTEM POWER	W/	WITH
		W/O	WITHOUT
KPD	KEYPAD	WP	WEATHERPROOF
KW	KILOWATT	WT	WEIGHT

AUDIO VISUAL ABBREVIATIONS

--	NOT APPLICABLE	KVM	KEYBOARD VIDEO MOUSE
ADA	AUDIO DISTRIBUTION AMPLIFIER	LA	LINE AMPLIFIER
AES	AUDIO ENGINEERING SOCIETY	LIM	LIMITER
ALS	ASSISTED LISTENING SYSTEM	LL	LINE LEVEL
AMP	AMPLIFIER, AMPERES		
ANT	ANTENNAE	MATV	MASTER ANTENNA TELEVISION
ANT DA	ANTENNA DISTRIBUTION AMPLIFIER	MIC	MICROPHONE
APB	AUDIO PATCH BAY	MICPRE	MICROPHONE PREAMP
AV	AUDIO VIDEO	MIX	MIXER
AVS	AUDIO VIDEO SWITCHER	ML	MICROPHONE LEVEL
		MOD	MODULATOR
BR	BLL-RAY DISC PLAYER	MON	MONITOR / VIDEO DISPLAY
BDR	BLL-RAY DISC RECORDER	MTR	MULTITRACK PLAYER/RECORDER
BGM	BACKGROUND MUSIC PLAYER	MTX	MATRIX
CAM	CAMERA	NG	NOISE GENERATOR
CATV	CABLE TELEVISION		
CCTV	CLOSED CIRCUIT TELEVISION	PA	PUBLIC ADDRESS
CCU	CAMERA CONTROL UNIT	PAD	AUDIO ATTENUATOR
CDP	COMPACT DISC PLAYER	PEQ	PARAMETRIC EQUALIZER
CG	CHARACTER GENERATOR	PSP	POWERED SPEAKER
CONV	CONVERTER	PTZ	PAN/TILT/ZOOM
CU	COLLABORATION UNIT		
		REC	RECORDER
DA	DISTRIBUTION AMPLIFIER		
DAN	DIGITAL AUDIO NETWORK	SATRX	SATELLITE RECEIVER
DM	DIGITAL MEDIA	SB	SCOREBOARD
DM-MTX	DIGITAL MEDIA MATRIX	SC	SCAN CONVERTER
DMP	DIGITAL MEDIA PLAYER	SDI	SERIAL DIGITAL INTERFACE
DMPS	DIGITAL MEDIA PRESENTATION SWITCHER	SPDT	SINGLE POLE DOUBLE THROW
DMR	DIGITAL MEDIA RECORDER	SPG	SYNC PULSE GENERATOR
DMRX	DIGITAL MEDIA RECEIVER / DECODER	SPL	SPLITTER
DMTX	DIGITAL MEDIA TRANSMITTER / ENCODER	SPK	SPEAKER
DMU	DIGITAL MESSAGE UNIT	SPLIT	MICROPHONE SPLITTER
DOC CAM	DOCUMENT CAMERA	SPST	SINGLE POLE SINGLE THROW
DP	DISPLAY PORT	STREAM	DIGITAL VIDEO STREAMING
DPDT	DOUBLE-POLE, DOUBLE-THROW	SUM	AUDIO SUMMING DEVICE
DPST	DOUBLE-POLE, SINGLE-THROW	SW	SWITCHER
DSP	DIGITAL SIGNAL PROCESSOR		
DVE	DIGITAL VIDEO EFFECTS	TD	THROW DISTANCE
DVR	DIGITAL VIDEO RECORDER	TP	TOUCH PANEL
		TV	TELEVISION
EBU	EUROPEAN BROADCASTING UNION		
EQ	EQUALIZER	VBS	VIDEO BURST SYNC
		VC	VOLUME CONTROL
FC	FORMAT CONVERTER	VCA	VOLTAGE CONTROLLED AMPLIFIER
FPM	FLAT PANEL MONITOR	VDA	VIDEO DISTRIBUTION AMPLIFIER
FORX	FIBER OPTIC RECEIVER	VGA	VIDEO GRAPHICS ARRAY
FOTX	FIBER OPTIC TRANSMITTER	VP	VIDEO PROJECTOR
		VPB	VIDEO PATCH BAY
HDMI	HIGH DEFINITION MULTIMEDIA INTERFACE	VS	VECTOR SCOPE
HDRX	HDMI RECEIVER	VSG	VIDEO SYNC GENERATOR
HDSDI	HD SERIAL DIGITAL INTERFACE	VSR	VIDEO SERVER
HDTX	HDMI TRANSMITTER	VSW	VIDEO SWITCH
		VTC	VIDEO TELECONFERENCING SYSTEM
ICOM	INTERCOM	VWP	VIDEO WALL PROCESSOR
IFB	INTERRUPTED FOLDBACK		
IPTV	INTERNET PROTOCOL TELEVISION	WFM	WAVEFORM MONITOR
		WMS	WIRELESS MICROPHONE SYSTEM
JBA	JUNCTION BOX - AUDIO	WTX	WIRELESS TRANSMITTER
JBC	JUNCTION BOX - CONTROL		
JBE	JUNCTION BOX - ENG TRUCKS	XFMR	TRANSFORMER
JBL	JUNCTION BOX - AUDIO LINE LEVEL	XOVR	CROSSOVER
JBM	JUNCTION BOX - AUDIO MIC LEVEL		
JBR	JUNCTION BOX - RADIO		
JBS	JUNCTION BOX - SPEAKER		
JBT	JUNCTION BOX - BROADCAST		
JBV	JUNCTION BOX - VIDEO		

ROUGH-IN BOX SCHEDULE

TYPE 1 RECESSED 1-GANG BOX. 2 1/8" DEEP WITH KNOCKOUTS. PROVIDE DEVICE EXTENSION AS REQUIRED TO ACCOMMODATE DEVICE COVER SIZE. DEVICE COVER/RING EDGE TO BE FLUSH WITH FINISHED WALL.

MASONRY: 1-GANG BOX. 2 1/2" DEEP WITH KNOCKOUTS IN 4" CMU/BRICK/CONCRETE; 3 1/2" DEEP WITH KNOCKOUTS IN 6" OR 8" CMU/CONCRETE. COVER EDGE TO BE FLUSH WITH FINISHED WALL.

SURFACE MOUNTED: 1-GANG DIE CAST BOX. 2 5/8" DEEP WITH THREADED OUTLETS.

TYPE 2 RECESSED; 4 11/16" SQUARE BOX. 2 1/8" DEEP WITH KNOCKOUTS. PROVIDE DEVICE EXTENSION AS REQUIRED TO ACCOMMODATE DEVICE COVER SIZE. DEVICE COVER/ RING EDGE TO BE FLUSH WITH FINISHED WALL.

MASONRY: 2-GANG BOX. 2 1/2" DEEP WITH KNOCKOUTS IN 4" CMU/BRICK/CONCRETE; 3 1/2" DEEP WITH KNOCKOUTS IN 6" OR 8" CMU/CONCRETE. COVER EDGE TO BE FLUSH WITH FINISHED WALL.

SURFACE MOUNTED: 2-GANG DIE CAST BOX. 2 5/8" DEEP WITH THREADED OUTLETS.

TYPE 3 RECESSED; 3-GANG BOX. 2 1/2" DEEP WITH KNOCKOUTS. PROVIDE DEVICE EXTENSION AS REQUIRED TO ACCOMMODATE DEVICE COVER SIZE. DEVICE COVER/RING EDGE TO BE FLUSH WITH FINISHED WALL.

MASONRY: 3-GANG BOX. 2 1/2" DEEP WITH KNOCKOUTS IN 4" CMU/BRICK/CONCRETE; 3 1/2" DEEP WITH KNOCKOUTS IN 6" OR 8" CMU/CONCRETE. COVER EDGE TO BE FLUSH WITH FINISHED WALL.

SURFACE MOUNTED: 3-GANG DIE CAST BOX. 2 5/8" DEEP WITH THREADED OUTLETS.

TYPE 4 RECESSED; 4-GANG BOX. 2 1/2" DEEP WITH KNOCKOUTS. PROVIDE DEVICE EXTENSION AS REQUIRED TO ACCOMMODATE DEVICE COVER SIZE. DEVICE COVER/RING EDGE TO BE FLUSH WITH FINISHED WALL.

MASONRY: 4-GANG BOX. 2 1/2" DEEP WITH KNOCKOUTS IN 4" CMU/BRICK/CONCRETE; 3 1/2" DEEP WITH KNOCKOUTS IN 6" OR 8" CMU/CONCRETE. COVER EDGE TO BE FLUSH WITH FINISHED WALL.

SURFACE MOUNTED: 4-GANG DIE CAST BOX. 2 5/8" DEEP WITH THREADED OUTLETS.

TYPE 5 RECESSED; 5" SQUARE BOX. 2 1/2" DEEP WITH KNOCKOUTS. PROVIDE DEVICE EXTENSION AS REQUIRED TO ACCOMMODATE DEVICE COVER SIZE. DEVICE COVER/RING EDGE TO BE FLUSH WITH FINISHED WALL.

TYPE 12 RECESSED 4 11/16" SQUARE BOX. 2 1/8" DEEP WITH KNOCKOUTS. PROVIDE DEVICE EXTENSION AS REQUIRED TO ACCOMMODATE DEVICE COVER SIZE. DEVICE COVER/ RING EDGE TO BE FLUSH WITH FINISHED WALL.

MASONRY: 1-GANG BOX. 2 1/2" DEEP WITH KNOCKOUTS IN 4" CMU/BRICK/CONCRETE; 3 1/2" DEEP WITH KNOCKOUTS IN 6" OR 8" CMU/CONCRETE. COVER EDGE TO BE FLUSH WITH FINISHED WALL.

SURFACE MOUNTED: 1-GANG DIE CAST BOX. 2 5/8" DEEP WITH THREADED OUTLETS.

TYPE A JUNCTION BOX (HxWxD) WITH SCREW COVER. PROVIDE NEMA TYPE 1 AT INDOOR LOCATIONS; PROVIDE NEMA TYPE 3R AT OUTDOOR LOCATIONS. PAINTED AT EXPOSED LOCATIONS.

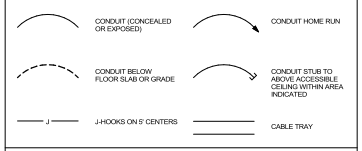
TYPE B JUNCTION BOX (HxWxD) WITH HINGED COVER. PROVIDE NEMA TYPE 1 AT INDOOR LOCATIONS; PROVIDE NEMA TYPE 3R AT OUTDOOR LOCATIONS. PAINTED AT EXPOSED LOCATIONS.

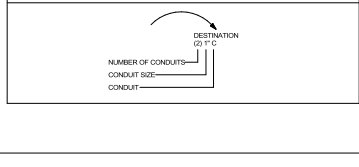
TYPE C JUNCTION BOX (HxWxD) WITH LOCKING HINGED COVER. PROVIDE NEMA TYPE 1 AT INDOOR LOCATIONS; PROVIDE NEMA TYPE 3R AT OUTDOOR LOCATIONS. PAINTED AT EXPOSED LOCATIONS

CONDUIT AND PATHWAY NOTES

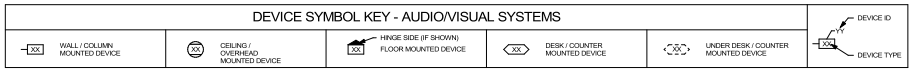
1. COORDINATE LOCATION OF EQUIPMENT, JUNCTION BOXES, OUTLETS, CONDUIT, ETC. ACCORDING TO THE PROJECT GENERAL CONDITIONS.
2. PROVIDE A COMPLETE RACEWAY SYSTEM TO CONSIST OF METALLIC CONDUIT (EXCLUDING IN-GROUND PATHWAY), JUNCTION BOXES, DEVICE BACK BOXES, AND FITTINGS UNLESS NOTED OTHERWISE.
3. THE DRAWINGS INDICATE ONE ROUTING METHOD OF THE CABLING PATHWAY. CHANGES MAY BE MADE TO THE PATHWAY SYSTEM ROUTING TO ACCOMMODATE SITE CONDITIONS OR TO SIMPLIFY INSTALLATION PROVIDING THAT NOTED CONDUIT SIZE OR LARGER IS MAINTAINED AND DISTANCE LIMITATIONS LISTED BELOW ARE NOT EXCEEDED.
4. CONDUIT STUBS FROM DEVICES TO THE NEAREST CABLE TRAY, ACCESSIBLE CEILING, OR OTHER DESTINATIONS SHALL BE CONTINUOUS.
5. UNLESS NOTED OTHERWISE, CONDUIT IS 3/4 INCH TRADE SIZE.
6. SHOULD ROUGH-IN BOX DEVICE EXIST WITH NO CONDUIT INDICATED TO OR FROM, PROVIDE ¾ INCH TRADE SIZE CONDUIT FROM DEVICE TO ACCESSIBLE CEILING.
7. CONDUIT BODIES (LB'S) ARE NOT PERMITTED.
8. CONDUITS SHALL BE REAMED TO ELIMINATE SHARP EDGES. METALLIC CONDUITS SHALL BE TERMINATED WITH AN INSULATED BUSHING. PULL STRINGS WITH A MINIMUM PULL RATING OF 400 POUNDS SHALL BE PROVIDED.
9. FOR CONDUIT WITH AN INTERNAL DIAMETER GREATER THAN 2 INCHES, MAINTAIN A BEND RADIUS OF AT LEAST 10 TIMES THE INTERNAL CONDUIT DIAMETER.
10. BENDS IN THE CONDUIT SHALL NOT CONTAIN ANY KINKS OR OTHER DISCONTINUITIES. FLEX IS NOT PERMITTED UNLESS NOTED OTHERWISE.
11. NO SECTION OF CONDUIT SHALL EXCEED 100 FEET. RUNS IN EXCESS OF 100 FEET REQUIRE A PULL BOX / HANDHOLE / VAULT.
12. NO SECTION OF CONDUIT SHALL CONTAIN MORE THAN TWO 90 DEGREE BENDS, OR EQUIVALENT 180 DEGREES, BETWEEN PULL BOXES.
13. PULL BOX SHALL NOT BE USED IN LIEU OF A BEND. CONDUITS MUST RUN STRAIGHT THROUGH A PULL BOX WITH THE BEND LOCATED EITHER BEFORE OR AFTER THE PULL BOX.
14. PULL BOX LENGTH TO BE NO LESS THAN 8 TIMES THE DIAMETER OF THE LARGEST TERMINATING CONDUIT. PULL BOX WIDTH TO BE NO LESS ½ THE LENGTH.
15. PROVIDE COVERS WITH LABELING FOR JUNCTION BOXES, BACK BOXES AND PULL BOXES WITHOUT FACEPLATES. LABELING MATCHES DEVICE NAME AS INDICATED ON DRAWINGS, FOR EXAMPLE "AV1", "ML".
16. ALL CONDUITS ENTERING OR EXITING EQUIPMENT RACKS TO BE ISOLATED WITH A NON-METALLIC SPACER OR FITTING.
17. PROVIDE CONDUIT TO CROSS INACCESSIBLE CEILINGS OR IN AREAS WITHOUT CEILINGS UNLESS NOTED OTHERWISE.
18. PROVIDE CONDUIT IN EXPOSED AREAS, MECHANICAL SPACES, FOOD SERVICES AREAS, AND ELEVATOR CONTROL ROOMS.
19. REGARDLESS OF PATHWAY TYPE, ALL CABLING SHALL BE SUPPORTED AT 4 FEET MAXIMUM INTERVALS. CABLES SHALL NOT BE LAID DIRECTLY ON THE CEILING TILE OR RAILS OR STRAPPED TO CONDUIT.
20. ROUTE CONDUIT WITH OTHER BUILDING SERVICES AND CONCEAL WHENEVER POSSIBLE. GROUP AND RUN PARALLEL ALONG A SINGLE BUILDING COLUMN LINE, HOLD TIGHT TO STRUCTURE AND PAINT AS DIRECTED BY THE ARCHITECT.
21. IF AV AND POWER CONDUITS MUST CROSS, CROSS AT RIGHT ANGLES.
22. FOR IN-SLAB OR UNDERGROUND CONDUIT ENTERING A BUILDING, TRANSITION BACK TO METALLIC CONDUIT WITHIN 3 FEET OF THE ENTRY POINT.
23. REFER TO PROJECT MANUAL FOR FIRE STOPPING REQUIREMENTS.
24. REFER TO ELECTRICAL DRAWINGS AND PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

PATHWAY DISTRIBUTION





DEVICE SYMBOL KEY - AUDIO/VISUAL SYSTEMS



SYMBOL LEGEND - AUDIO/VISUAL SYSTEMS

SIZES, DIMENSIONS AND NOTES DESCRIBE TYPICAL REQUIREMENTS. IF APPLICABLE, VARIATIONS AND/OR ADDITIONAL REQUIREMENTS WILL BE NOTED ON THE DRAWINGS. UNLESS NOTED OTHERWISE, MOUNTING HEIGHTS ARE TO CENTER OF ROUGH-IN BOX.

TYPE	DEVICE	ROUGH-IN BOX (H"xW"xD")	DEVICE COVER SIZE	MOUNTING HEIGHT			DEVICE NOTES	CONDUIT NOTES
				WALL/COLUMN	CEILING/OVERHEAD	FLOOR		
BBP	BLACK SPACE BOX PANEL	TYPE A (6"x6"x4")	REF DETAILS	BUILDING OUTLET HEIGHT	--	--	--	REF PLANS
IC	INTERCOM PLATE	TYPE 12	1-GANG	BUILDING OUTLET HEIGHT	--	--	--	REF PLANS
ICS	INTERCOM SPEAKER PANEL	TYPE 4	--	BUILDING SWITCH HEIGHT	--	--	--	REF PLANS
S2	SPEAKER PLATE	TYPE 2	2-GANG	AT PIPE GRID	--	--	--	REF PLANS

LEGEND NOTES - AUDIO/VIDEO SYSTEMS

1 PROVIDE HOFFMAN PAINTED STEEL TYPE 1 SCREW COVER PULL BOX NO LESS THAN 12" W X 12" H X 4" D UNLESS NOTED OTHERWISE. SIZE JUNCTION BOX TO NUMBER AND SIZE OF CONDUIT. PROVIDE 3/4" VOID FREE AC PLYWOOD WITH TWO COATS FIRE RETARDANT WHITE PAINT ON BACK WALL OF JUNCTION BOX FROM SIDEWALL TO SIDEWALL. A SINGLE WIRING THROUGH WILL NOT BE ACCEPTABLE AS A REPLACEMENT TO/FOR INDIVIDUAL JUNCTION BOXES.

2 CRITICAL DIMENSIONS ARE NOTED IN DOCUMENTATION. FOR ANY DIMENSION THAT IS NOT PROVIDED, FIELD COORDINATE FINAL LOCATION.

3 FIELD COORDINATE PLATE/PANEL COVER SIZE BASED ON MOUNTING CONDITIONS. SURFACE MOUNTED ROUGH-IN PLATE/PANEL SHOULD NOT EXTEND BEYOND THE ROUGH-IN BOX.

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STRUCTURAL
Pacheco Koch
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2 FOLSOM
ACOUSTICS
Acoustic Dimensions
2 FOLSOM
2 FOLSOM
AUDIO/VISUAL/LOW VOLTAGE
Spohn
2 FOLSOM
2 FOLSOM

DAVID W. CARTER HIGH SCHOOL BLACK BOX ADDITION

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ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT

ARCHITECT

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025.08.25	230050

DRAWING HISTORY

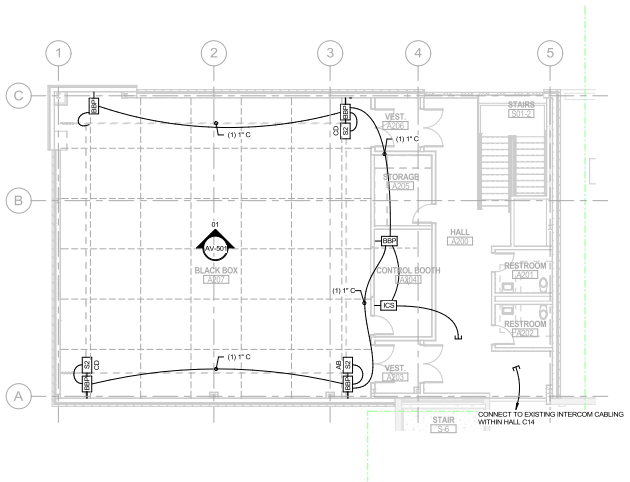
No.	Description	Date

ISSUED FOR PERMIT

GENERAL NOTES AND LEGENDS

AV-000

KEYNOTES



01 AV_BLACK BOX 2ND LEVEL - FLOOR PLAN - AREA A
1/8" = 1'-0"

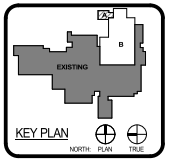
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DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN NORTH: PLAN TRUE

ARCHITECT

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025.08.25	230050

DRAWING HISTORY

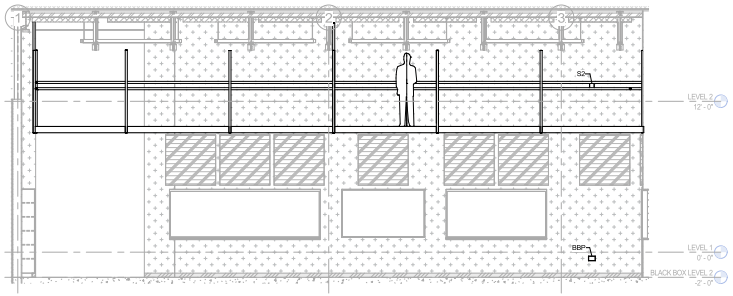
No.	Description	Date

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BLACK BOX LEVEL 2 FLOOR PLAN

AV-101A2

KEYNOTES



01 BLACK BOX NORTH ELEVATION
N.T.S.

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DAVID W. CARTER HIGH SCHOOL BLACK BOX ADDITION

CFIS 023
8111 WINEDALE LAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT

ARCHITECT

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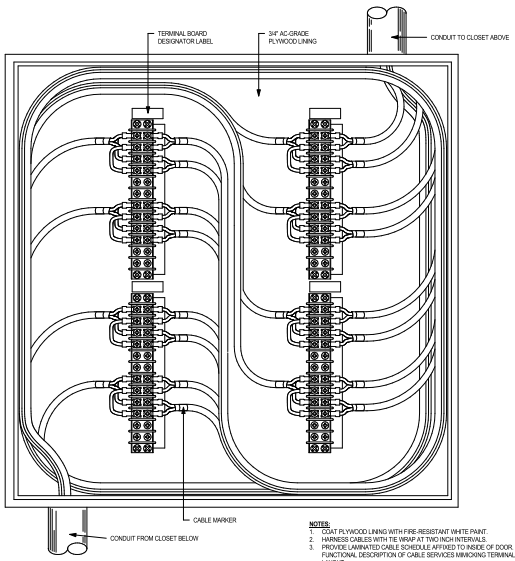
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ELEVATION

AV-501

SPEAKER JUNCTION BOX TERMINATION DETAILS

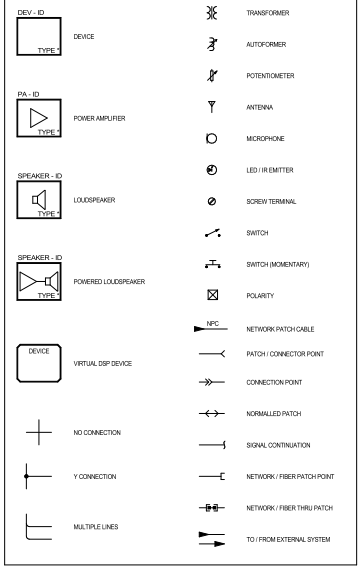


NOTES:
1. COAT PLYWOOD LINING WITH FIRE-RESISTANT WHITE PAINT.
2. HARNESS CABLES WITH TIE WRAP AT TWO INCH INTERVALS.
3. PROVIDE LAMINATED CABLE SCHEDULE AFFIXED TO INSIDE OF DOOR. PROVIDE FUNCTIONAL DESCRIPTION OF CABLE SERVICES MIMICKING TERMINAL BOARD LAYOUT.

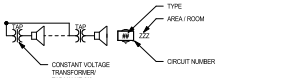
PANEL SYMBOL LEGEND



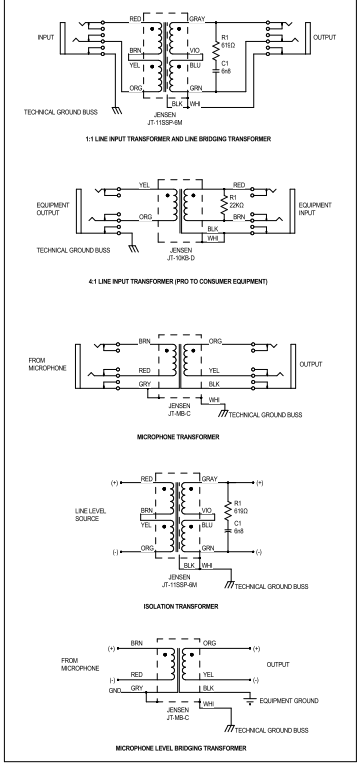
FUNCTIONAL SYMBOL LEGEND



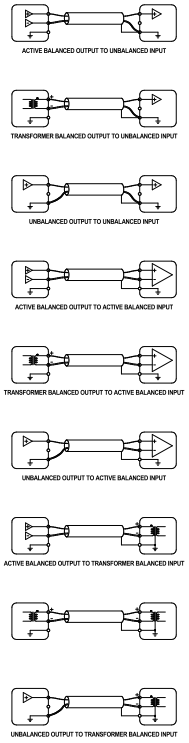
PARALLELED SPEAKERS DETAIL



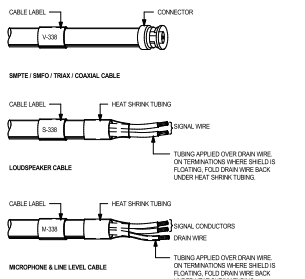
AUDIO TRANSFORMER WIRING



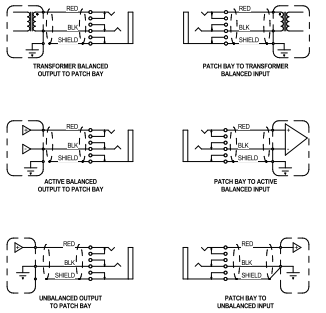
AUDIO SHIELD CONNECTIONS



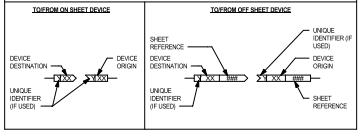
AV CABLE PREPARATION DETAILS



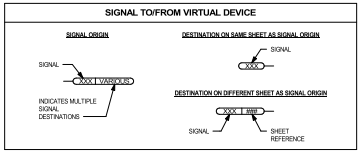
TYPICAL DEVICE TO PATCHBAY WIRING



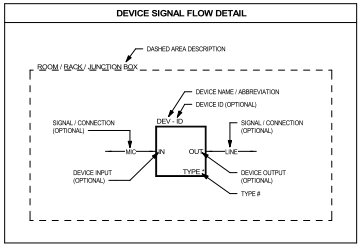
SIGNAL TO/FROM PHYSICAL DEVICE



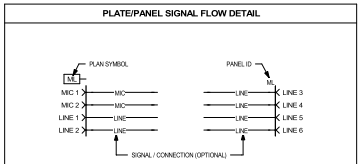
SIGNAL TO/FROM VIRTUAL DEVICE



DEVICE SIGNAL FLOW DETAIL



PLATE/PANEL SIGNAL FLOW DETAIL



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MEP / FP
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LANDSCAPE
Architexas
2 DALLAS
214-748-1500

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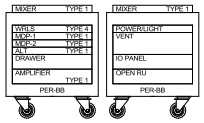
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AUDIO-VIDEO FUNCTIONAL LEGEND AND STANDARD DETAILS

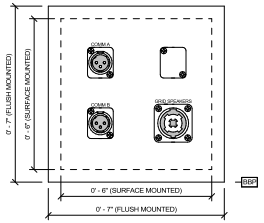
AV-1100

LOOSE EQUIPMENT - BLACK BOX AUDIO SYSTEM (REFERENCE SPECIFICATION 27 41 16)			
QUANTITY	DESCRIPTION	TYPE	NOTES
4	BODYPACK WIRELESS MICROPHONE	1	--
4	HANDHELD WIRELESS MICROPHONE	1	--
1	WIRELESS MICROPHONE CHARGE BASE	1	--
4	VOCAL MICROPHONE	1	--
4	MICROPHONE STAND AND MOUNTING	1	--
4	MICROPHONE STAND AND MOUNTING	5	--
2	MONO DI BOX	1	--
1	STEREO DI BOX	1	--
1	STEREO COMPUTER DI BOX	1	--
1	STEREO COMPUTER USB DI BOX	1	--
6	SPEAKER	1	--
1	ALS RECEIVER	1	--
1	PORTABLE EQUIPMENT RACK	1	PER-BB
4	MICROPHONE CABLE	6	--
4	MICROPHONE CABLE	25	--
2	MICROPHONE CABLE	50	--
2	INSTRUMENT CABLE	06	--
1	MICROPHONE SNAKE	1	--
1	SPEAKER CABLE	06	--
4	SPEAKER CABLE	25	--
6	SPEAKER CABLE	50	--
1	SPEAKER CABLE	25	NL8
2	SPEAKER STAND	1	--
2	POWER EXTENSION CABLE	25	--
1	HEADPHONES	1	--
1	MOBILE CABINET	1	--

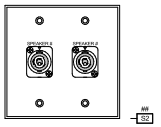
LOOSE EQUIPMENT - INTERCOM (REFERENCE SPECIFICATION 27 41 16)			
QUANTITY	DESCRIPTION	TYPE	NOTES
6	BELT UNIT	1	--
2	HEADSET	1	--
8	INTERCOM CABLE	10	RED COLLAR
8	INTERCOM CABLE	25	GREEN COLLAR
4	INTERCOM CABLE	50	VIOLET COLLAR



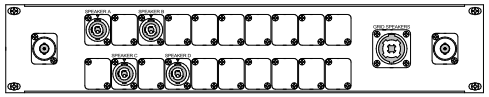
06 PER-BB ELEVATION
1" = 1'-0"



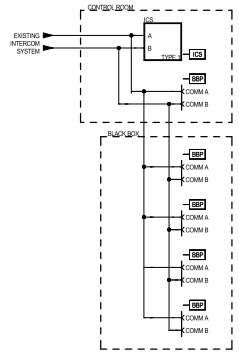
05 BLACK BOX PANEL DETAIL
6" = 1'-0"



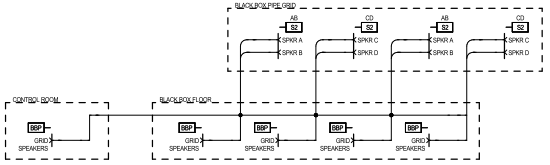
04 SPEAKER PLATE DETAIL
6" = 1'-0"

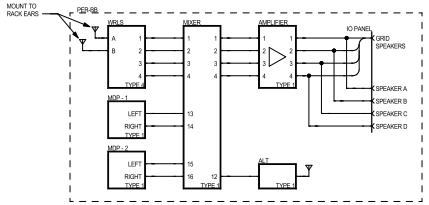


03 IO PANEL DETAIL
6" = 1'-0"



02 BLACK BOX PRODUCTION INTERCOM SYSTEM FUNCTIONAL DIAGRAM
N.T.S.





01 BLACK BOX THEATER AUDIO SYSTEM FUNCTIONAL DIAGRAM
N.T.S.

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BLACK BOX DETAILS

AV-1110

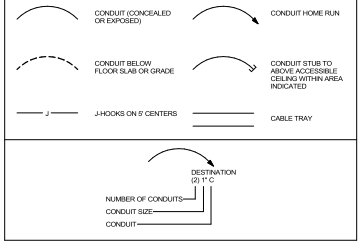
GENERAL ABBREVIATIONS

--	NOT APPLICABLE	L	LENGTH, LEFT
		L/R	LEFT/RIGHT
@	AT	LAN	LOCAL AREA NETWORK
		LB	POUNDS
3DC	3D CONTROLLER	LF	LINEAR FEET
		LTG	LIGHTING
A/C	AIR CONDITIONING		
ABV	ABOVE	MAX	MAXIMUM
AC	ALTERNATING CURRENT	MDF	MAIN DISTRIBUTION FRAME
ADA	AMERICANS WITH DISABILITIES ACT	MECH	MECHANICAL
ADJ	ADJUSTABLE	MIN	MINIMUM
AFC	ABOVE FINISHED CEILING	MMFO	MULTIMODE FIBER OPTIC CABLE
AFF	ABOVE FINISHED FLOOR	MTD	MOUNTED
AFG	ABOVE FINISHED GRADE		
AHJ	AUTHORITY HAVING JURISDICTION	NA	NOT APPLICABLE
ALT	ALTERNATE	NC	NORMALLY CLOSED
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	NEC	NATIONAL ELECTRICAL CODE
ARCH	ARCHITECT, ARCHITECTURAL	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOC.
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS		NETWORK
AUX	AUXILIARY	NIC	NOT IN CONTRACT
AWG	AMERICAN WIRE GAUGE	NO	NORMALLY OPEN
		NTS	NOT TO SCALE
BFC	BELOW FINISHED CEILING		
BFF	BELOW FINISHED FLOOR	OC	ON CENTER
BLDG	BUILDING	OD	OUTSIDE DIAMETER
BOH	BACK OF HOUSE	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
BOP	BOTTOM OF PIPE	OFE	OWNER FURNISHED EQUIPMENT
BOS	BOTTOM OF STRUCTURE	OFOI	OWNER FURNISHED OWNER INSTALLED
C	CONDUIT	P	PRIMARY
CAT	CATEGORY CABLE	P/O	PART OF
CKT	CIRCUIT	PC	PERSONAL COMPUTER
CL	CENTER LINE	PDU	POWER DISTRIBUTION UNIT
CLG	CEILING	PGM	PROGRAM
CMU	CONCRETE MASONRY UNIT	PH	PHASE
COL	COLUMN	PNL	PANEL
CTRL	CONTROL	PROC	PROCESSOR
		PRH	PROJECT RECEPTACLE HEIGHT
D	DEPTH, DEEP	PRX	PROXIMITY SENSOR
DC	DIRECT CURRENT	PS	POWER SUPPLY
DC	DOWNSTAGE CENTER	PSF	POUNDS PER SQUARE FOOT
DEG	DEGREES	PSH	PROJECT SWITCH HEIGHT
DEMO	DEMOLITION	PSI	POUNDS PER SQUARE INCH
DFP	DIRECTOR'S FLOOR POCKET	PT	PASS THROUGH
DIA	DIAMETER	PVC	POLYVINYL CHLORIDE
DIM	DIMENSION	PWR	POWER
DIV	DIVISION		
DS	DOWNSTAGE	QTY	QUANTITY
DSL	DOWNSTAGE LEFT		
DSR	DOWNSTAGE RIGHT	R	RIGHT
DWG	DRAWING	RCP	REFLECTED CEILING PLAN
		REF	REFERENCE, REFER
EA	EACH	REINF	REINFORCING
EC	ELECTRICAL CONTRACTOR	REQD	REQUIRED
EL	ELEVATION	REV	REVISION, REVISE
ELEC	ELECTRICAL	RM	ROOM
ENCL	ENCLOSURE	RO	ROUGH OPENING
EQ	EQUAL	RPM	REVOLUTIONS PER MINUTE
EQUIP	EQUIPMENT		
ER	EQUIPMENT RACK	S	SURFACE, SECONDARY
ESW	ETHERNET SWITCH	SQFT	SQUARE FEET
EXIST	EXISTING	SIM	SIMILAR
		SL	STAGE LEFT
FA	FIRE ALARM	SMFO	SINGLE MODE FIBER OPTIC CABLE
FB	FLOOR BOX	SMP	STAGE MANAGER POSITION
FLEX	FLEXIBLE	SPEC	SPECIFICATION
FLR	FLOOR	SQ	SQUARE
FO	FINISHED OPENING	SR	STAGE RIGHT
FOH	FRONT OF HOUSE	STD	STANDARD
FPB	FIBER OPTIC PATCHBAY	STP	SHIELDED TWISTED PAIR
FPM	FEET PER MINUTE	SURF	SURFACE
FT	FOOT, FEET	SUSP	SUSPEND
FV	FIELD VERIFY		
		TBD	TO BE DETERMINED
GND	GROUND	THRU	THROUGH
GA	GAUGE	TYP	TYPICAL
H	HEIGHT	UC	UPSTAGE CENTER
HL	HOUSE LEFT	UL	UNDERWRITERS LABORATORIES, INC.
HMP	HOUSE MANAGER POSITION	UNO	UNLESS NOTED OTHERWISE
HOR	HORIZONTAL	UPS	UNINTERRUPTIBLE POWER SUPPLY
HP	HORSEPOWER	US	UPSTAGE
HR	HOUSE RIGHT	USL	UPSTAGE LEFT
HZ	HERTZ	USR	UPSTAGE RIGHT
		USB	UNIVERSAL SERIAL BUS
I/O	INPUT/OUTPUT	UTP	UNSHIELDED TWISTED PAIR
ID	INSIDE DIAMETER		
IDF	INTERMEDIATE DISTRIBUTION FRAME	V	VOLT
IG	ISOLATED GROUND	VA	VOLT-AMPERE
ISO	ISOLATED	VERT	VERTICAL
		VIF	VERIFY IN FIELD
JB	JUNCTION BOX		
JBD	JUNCTION BOX - DATA		
JP	JUNCTION BOX - SYSTEM POWER	W/	WITH
		W/O	WITHOUT
KPD	KEYPAD	WP	WEATHERPROOF
KW	KILOWATT	WT	WEIGHT

THEATRE SYSTEM ABBREVIATIONS

--	NOT APPLICABLE	LPO	LIGHTING POWER OUTLET
		LRA	LOCKED ROTOR AMPS
ACP	ARCHITECTURAL CONTROL PROCESSOR		
		MCC	MOTOR CONTROL CENTER
CDR	CONTROL DISTRIBUTION RACK		
		RP	RELAY PANEL
DB	DIMMER BANK		
DISC	DISCONNECT	SVR	COMPUTER SERVER
DM	DIMMING SYSTEM MANUFACTURER		
DMX	DIGITAL LIGHTING CONTROL UNIT	TL	THEATRICAL LIGHTING
DR	DIMMER RACK	TR	THEATRICAL RIGGING
HL	HOUSELIGHT	WL	WORKLIGHT
JD	JUNCTION BOX - DIMMING SYSTEM		
JR	JUNCTION BOX - RIGGING SYSTEM CONTROL		

PATHWAY DISTRIBUTION



ROUGH-IN BOX SCHEDULE

TYPE 1 RECESSED: 1-GANG BOX. 2 1/8" DEEP WITH KNOCKOUTS. PROVIDE DEVICE EXTENSION AS REQUIRED TO ACCOMMODATE DEVICE COVER SIZE. DEVICE COVER/RING EDGE TO BE FLUSH WITH FINISHED WALL.

MASONRY: 1-GANG BOX. 2 1/2" DEEP WITH KNOCKOUTS IN 4" CMU/BRICK/CONCRETE; 3 1/2" DEEP WITH KNOCKOUTS IN 6" OR 8" CMU/CONCRETE. COVER EDGE TO BE FLUSH WITH FINISHED WALL.

SURFACE MOUNTED: 1-GANG DIE CAST BOX. 2 5/8" DEEP WITH THREADED OUTLETS.

TYPE 2 RECESSED: 4 11/16" SQUARE BOX. 2 1/8" DEEP WITH KNOCKOUTS. PROVIDE DEVICE EXTENSION AS REQUIRED TO ACCOMMODATE DEVICE COVER SIZE. DEVICE COVER/ RING EDGE TO BE FLUSH WITH FINISHED WALL.

MASONRY: 2-GANG BOX. 2 1/2" DEEP WITH KNOCKOUTS IN 4" CMU/BRICK/CONCRETE; 3 1/2" DEEP WITH KNOCKOUTS IN 6" OR 8" CMU/CONCRETE. COVER EDGE TO BE FLUSH WITH FINISHED WALL.

SURFACE MOUNTED: 2-GANG DIE CAST BOX. 2 5/8" DEEP WITH THREADED OUTLETS.

TYPE 3 RECESSED: 3-GANG BOX. 2 1/2" DEEP WITH KNOCKOUTS. PROVIDE DEVICE EXTENSION AS REQUIRED TO ACCOMMODATE DEVICE COVER SIZE. DEVICE COVER/RING EDGE TO BE FLUSH WITH FINISHED WALL.

MASONRY: 3-GANG BOX. 2 1/2" DEEP WITH KNOCKOUTS IN 4" CMU/BRICK/CONCRETE; 3 1/2" DEEP WITH KNOCKOUTS IN 6" OR 8" CMU/CONCRETE. COVER EDGE TO BE FLUSH WITH FINISHED WALL.

SURFACE MOUNTED: 3-GANG DIE CAST BOX. 2 5/8" DEEP WITH THREADED OUTLETS.

TYPE 4 RECESSED: 4-GANG BOX. 2 1/2" DEEP WITH KNOCKOUTS. PROVIDE DEVICE EXTENSION AS REQUIRED TO ACCOMMODATE DEVICE COVER SIZE. DEVICE COVER/RING EDGE TO BE FLUSH WITH FINISHED WALL.

MASONRY: 4-GANG BOX. 2 1/2" DEEP WITH KNOCKOUTS IN 4" CMU/BRICK/CONCRETE; 3 1/2" DEEP WITH KNOCKOUTS IN 6" OR 8" CMU/CONCRETE. COVER EDGE TO BE FLUSH WITH FINISHED WALL.

SURFACE MOUNTED: 4-GANG DIE CAST BOX. 2 5/8" DEEP WITH THREADED OUTLETS.

TYPE 5 RECESSED: 5" SQUARE BOX. 2 1/2" DEEP WITH KNOCKOUTS. PROVIDE DEVICE EXTENSION AS REQUIRED TO ACCOMMODATE DEVICE COVER SIZE. DEVICE COVER/RING EDGE TO BE FLUSH WITH FINISHED WALL.

TYPE 12 RECESSED: 4 11/16" SQUARE BOX. 2 1/8" DEEP WITH KNOCKOUTS. PROVIDE DEVICE EXTENSION AS REQUIRED TO ACCOMMODATE DEVICE COVER SIZE. DEVICE COVER/ RING EDGE TO BE FLUSH WITH FINISHED WALL.

MASONRY: 1-GANG BOX. 2 1/2" DEEP WITH KNOCKOUTS IN 4" CMU/BRICK/CONCRETE; 3 1/2" DEEP WITH KNOCKOUTS IN 6" OR 8" CMU/CONCRETE. COVER EDGE TO BE FLUSH WITH FINISHED WALL.

SURFACE MOUNTED: 1-GANG DIE CAST BOX. 2 5/8" DEEP WITH THREADED OUTLETS.

TYPE A JUNCTION BOX (HxWxD) WITH SCREW COVER. PROVIDE NEMA TYPE 1 AT INDOOR LOCATIONS; PROVIDE NEMA TYPE 3R AT OUTDOOR LOCATIONS. PAINTED AT EXPOSED LOCATIONS.

TYPE B JUNCTION BOX (HxWxD) WITH HINGED COVER. PROVIDE NEMA TYPE 1 AT INDOOR LOCATIONS; PROVIDE NEMA TYPE 3R AT OUTDOOR LOCATIONS. PAINTED AT EXPOSED LOCATIONS.

TYPE C JUNCTION BOX (HxWxD) WITH LOCKING HINGED COVER. PROVIDE NEMA TYPE 1 AT INDOOR LOCATIONS; PROVIDE NEMA TYPE 3R AT OUTDOOR LOCATIONS. PAINTED AT EXPOSED LOCATIONS

CONDUIT AND PATHWAY NOTES

1. COORDINATE LOCATION OF EQUIPMENT, JUNCTION BOXES, OUTLETS, CONDUIT, ETC. ACCORDING TO THE PROJECT GENERAL CONDITIONS.
2. PROVIDE A COMPLETE RACEWAY SYSTEM TO CONSIST OF METALLIC CONDUIT (EXCLUDING IN-GROUND PATHWAY), JUNCTION BOXES, DEVICE BACK BOXES, AND FITTINGS UNLESS NOTED OTHERWISE.
3. THE DRAWINGS INDICATE ONE ROUTING METHOD OF THE CABLING PATHWAY. CHANGES MAY BE MADE TO THE PATHWAY SYSTEM ROUTING TO ACCOMMODATE SITE CONDITIONS OR TO SIMPLIFY INSTALLATION PROVIDING THAT NOTED CONDUIT SIZE OR LARGER IS MAINTAINED AND DISTANCE LIMITATIONS LISTED BELOW ARE NOT EXCEEDED.
4. CONDUIT STUBS FROM DEVICES TO THE NEAREST CABLE TRAY, ACCESSIBLE CEILING, OR OTHER DESTINATIONS SHALL BE CONTINUOUS.
5. UNLESS NOTED OTHERWISE, CONDUIT IS 3/4 INCH TRADE SIZE.
6. SHOULD ROUGH-IN BOX DEVICE EXIST WITH NO CONDUIT INDICATED TO OR FROM, PROVIDE ¾ INCH TRADE SIZE CONDUIT FROM DEVICE TO ACCESSIBLE CEILING.
7. CONDUIT BODIES (LB'S) ARE NOT PERMITTED.
8. CONDUITS SHALL BE REAMED TO ELIMINATE SHARP EDGES. METALLIC CONDUITS SHALL BE TERMINATED WITH AN INSULATED BUSHING. PULL STRINGS WITH A MINIMUM PULL RATING OF 400 POUNDS SHALL BE PROVIDED.
9. FOR CONDUIT WITH AN INTERNAL DIAMETER GREATER THAN 2 INCHES, MAINTAIN A BEND RADIUS OF AT LEAST 10 TIMES THE INTERNAL CONDUIT DIAMETER.
10. BENDS IN THE CONDUIT SHALL NOT CONTAIN ANY KINKS OR OTHER DISCONTINUITIES. FLEX IS NOT PERMITTED UNLESS NOTED OTHERWISE.
11. NO SECTION OF CONDUIT SHALL EXCEED 100 FEET. RUNS IN EXCESS OF 100 FEET REQUIRE A PULL BOX / HANDHOLE / VAULT.
12. NO SECTION OF CONDUIT SHALL CONTAIN MORE THAN TWO 90 DEGREE BENDS, OR EQUIVALENT 180 DEGREES, BETWEEN PULL BOXES.
13. PULL BOX SHALL NOT BE USED IN LIEU OF A BEND. CONDUITS MUST RUN STRAIGHT THROUGH A PULL BOX WITH THE BEND LOCATED EITHER BEFORE OR AFTER THE PULL BOX.
14. PULL BOX LENGTH TO BE NO LESS THAN 8 TIMES THE DIAMETER OF THE LARGEST TERMINATING CONDUIT. PULL BOX WIDTH TO BE NO LESS ¾ THE LENGTH.
15. PROVIDE COVERS WITH LABELING FOR JUNCTION BOXES, BACK BOXES AND PULL BOXES WITHOUT FACEPLATES. LABELING MATCHES DEVICE NAME AS INDICATED ON DRAWINGS, FOR EXAMPLE "AV1", "NL".
16. ALL CONDUITS ENTERING OR EXITING EQUIPMENT RACKS TO BE ISOLATED WITH A NON-METALLIC SPACER OR FITTING.
17. PROVIDE CONDUIT TO CROSS INACCESSIBLE CEILINGS OR IN AREAS WITHOUT CEILINGS UNLESS NOTED OTHERWISE.
18. PROVIDE CONDUIT IN EXPOSED AREAS, MECHANICAL SPACES, FOOD SERVICES AREAS, AND ELEVATOR CONTROL ROOMS.
19. REGARDLESS OF PATHWAY TYPE, ALL CABLING SHALL BE SUPPORTED AT 4 FEET MAXIMUM INTERVALS. CABLES SHALL NOT BE LAID DIRECTLY ON THE CEILING TILE OR RAILS OR STRAPPED TO CONDUIT.
20. ROUTE CONDUIT WITH OTHER BUILDING SERVICES AND CONCEAL WHENEVER POSSIBLE. GROUP AND RUN PARALLEL ALONG A SINGLE BUILDING COLUMN LINE. HOLD TIGHT TO STRUCTURE AND PAINT AS DIRECTED BY THE ARCHITECT.
21. IF AV AND POWER CONDUITS MUST CROSS, CROSS AT RIGHT ANGLES.
22. FOR IN-SLAB OR UNDERGROUND CONDUIT ENTERING A BUILDING, TRANSITION BACK TO METALLIC CONDUIT WITHIN 3 FEET OF THE ENTRY POINT.
23. REFER TO PROJECT MANUAL FOR FIRE STOPPING REQUIREMENTS.
24. REFER TO ELECTRICAL DRAWINGS AND PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

DEVICE SYMBOL KEY - THEATRE LIGHTING SYSTEMS

XX WALL / COLUMN / PIPE MOUNTED DEVICE	(XX) CEILING / OVERHEAD MOUNTED DEVICE	XX GRID / FLOOR MOUNTED DEVICE	XX DESK / COUNTER MOUNTED DEVICE	(XX) UNDER DESK / COUNTER MOUNTED DEVICE	YY DEVICE ID XX DEVICE TYPE

SYMBOL LEGEND - THEATRE LIGHTING SYSTEMS

SIZES, DIMENSIONS AND NOTES DESCRIBE TYPICAL REQUIREMENTS. IF APPLICABLE, VARIATIONS AND/OR ADDITIONAL REQUIREMENTS WILL BE NOTED ON THE DRAWINGS. UNLESS NOTED OTHERWISE, MOUNTING HEIGHTS ARE TO CENTER OF ROUGH-IN BOX.

TYPE	DEVICE	ROUGH-IN BOX (H"xW"xD")	DEVICE COVER SIZE	MOUNTING HEIGHT			DEVICE NOTES	CONDUIT NOTES
				WALL/COLUMN	CEILING/OVERHEAD	FLOOR		
ARCH	--	--	--	--	--	--	REF DETAIL; COORDINATE WITH DIVISION 11 SUBCONTRACTOR	AS REQUIRED FOR NUMBER OF CONDUCTORS; REF ELECTRICAL
CDP	CONTROL DISTRIBUTION PANEL	--	--	SEE NOTE 1	--	--	--	--
CRS	CONTROL RECEPTACLE STATION	TYPE 2	2-GANG	BUILDING OUTLET HEIGHT	--	CUSTOM; REF DETAIL	REF DETAIL	AS REQUIRED FOR NUMBER OF CABLES; REF PLANS AND DETAILS
DMX	DMX RECEPTACLE STATION (IN OR OUT)	TYPE 1	1-GANG	BUILDING OUTLET HEIGHT	AS REQUIRED PER PLANS; REF DETAIL	CUSTOM; REF DETAIL	--	REF PLANS
NET	THEATRICAL LIGHTING NETWORK RECEPTACLE	TYPE 1	1-GANG	BUILDING OUTLET HEIGHT	AS REQUIRED PER PLANS; REF DETAIL	CUSTOM; REF DETAIL	CAN BE RECESSED, SURFACE, OR PIPE MOUNT; REF DETAIL	REF PLANS
PB	MULTI-CIRCUIT PLUGGING BOX	--	--	--	--	--	PIPE MOUNT; REF DETAIL	REF DETAIL
RP	DMX CONTROLLED RELAY PANEL	--	--	SEE NOTE 1	--	--	--	AS REQUIRED FOR NUMBER OF CONDUCTORS; REF ELECTRICAL
WB	MULTI-CIRCUIT WALL BOX	CUSTOM	CUSTOM	BUILDING OUTLET HEIGHT	--	--	REF DETAIL; COORDINATE WITH DIVISION 11 SUBCONTRACTOR	AS REQUIRED FOR NUMBER OF CONDUCTORS; REF ELECTRICAL

LEGEND NOTES - THEATRE LIGHTING SYSTEMS

1 WALL-MOUNTED ENCLOSURE

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Dunaway Associates, Inc.
214.265.1188
Mep / Fp
Cobb Fendley
214.871.2400
Landscape
Halff Associates
214.346.6289
Building Envelope
Walter P Moore
214.529.2300

DAVID W. CARTER HIGH SCHOOL BLACK BOX ADDITION

2760 S. HAVEN HOLT LAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT

ARCHITECT

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025.08.25	230050

DRAWING HISTORY

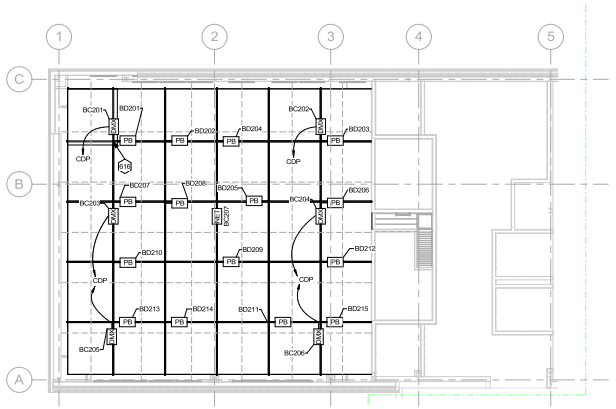
No.	Description	Date

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GENERAL NOTES AND LEGENDS

TL-000

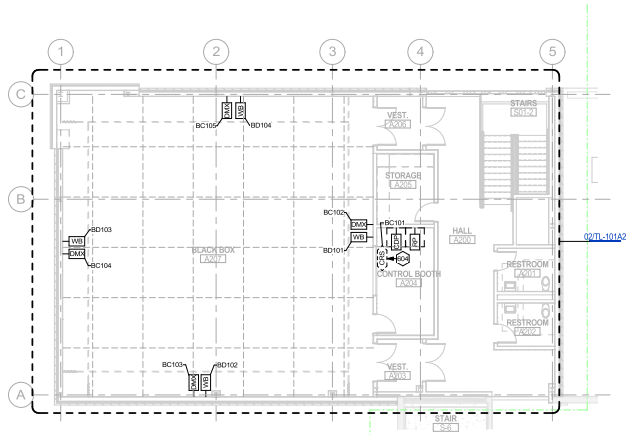
KEYNOTES	
604	COORDINATE LOCATION WITH CONTROL DESK.
616	PB AND DMX DEVICES TO MONT ON VERTICAL HANGERS ON TENSION GRID. CONDUIT TO NOT MOUNT ON HORIZONTAL PIPES. TYPICAL.



02 TL_BLACK BOX 2ND LEVEL MEZZANINE - FLOOR PLAN
1/8" = 1'-0"

TL DISTRIBUTION DEVICE SCHEDULE - BLACK BOX

CIRCUIT LABELS	ID DESIGNATOR	TYPE ID	LOCATION	MBP CIRCUITS	LOAD TYPE	NOTES
--	BD401	ARCH	SPARES	21-24	PERMANENT	RESERVED FOR ARCHITECTURAL LIGHTING
1	BD201	PB	TENSION GRID	1	PORTABLE	--
2	BD202	PB	TENSION GRID	2	PORTABLE	--
3	BD203	PB	TENSION GRID	3	PORTABLE	--
4	BD204	PB	TENSION GRID	4	PORTABLE	--
5	BD205	PB	TENSION GRID	5	PORTABLE	--
6	BD206	PB	TENSION GRID	6	PORTABLE	--
7	BD207	PB	TENSION GRID	7	PORTABLE	--
8	BD208	PB	TENSION GRID	8	PORTABLE	--
9	BD209	PB	TENSION GRID	9	PORTABLE	--
10	BD210	PB	TENSION GRID	10	PORTABLE	--
11	BD211	PB	TENSION GRID	11	PORTABLE	--
12	BD212	PB	TENSION GRID	12	PORTABLE	--
13	BD213	PB	TENSION GRID	13	PORTABLE	--
14	BD214	PB	TENSION GRID	14	PORTABLE	--
15	BD215	PB	TENSION GRID	15	PORTABLE	--
17	BD101	WB	E WALL	17	PORTABLE	--
18	BD102	WB	S WALL	18	PORTABLE	--
19	BD103	WB	W WALL	19	PORTABLE	--
20	BD104	WB	N WALL	20	PORTABLE	--



01 TL_BLACK BOX 2ND LEVEL - FLOOR PLAN - AREA A
1/8" = 1'-0"

TL CONTROL DEVICE SCHEDULE - BLACK BOX

ID DESIGNATOR	TYPE ID	LOCATION	MOUNTING	TO	WIRING DESTINATION	NOTES
BC101	CRS	CONTROL BOOTH	PRH	CDP	ESW	(2) NETS
BC102	DMX	E WALL	PRH	CDP	GTWY	--
BC103	DMX	S WALL	PRH	CDP	GTWY	--
BC104	DMX	W WALL	PRH	CDP	GTWY	--
BC105	DMX	N WALL	PRH	CDP	GTWY	--
BC201	DMX	TENSION GRID	PIPE	CDP	GTWY	--
BC202	DMX	TENSION GRID	PIPE	CDP	GTWY	--
BC203	DMX	TENSION GRID	PIPE	CDP	GTWY	--
BC204	DMX	TENSION GRID	PIPE	CDP	GTWY	--
BC205	DMX	TENSION GRID	PIPE	CDP	GTWY	--
BC206	DMX	TENSION GRID	PIPE	CDP	GTWY	--
BC207	NET	TENSION GRID	PIPE	CDP	GTWY	--

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DAVID W. CARTER HIGH SCHOOL BLACK BOX ADDITION

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ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH PLAN TRUE

ARCHITECT

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
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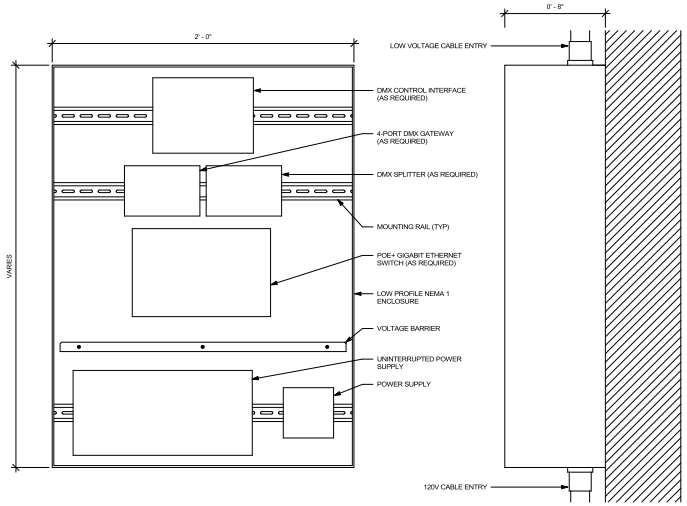
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No.	Description	Date

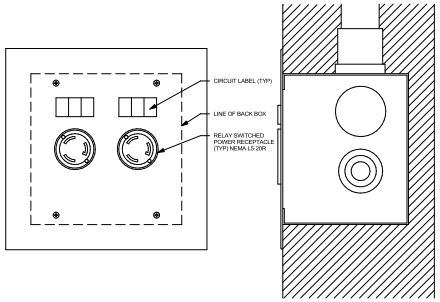
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BLACK BOX LEVEL 2 FLOOR PLAN

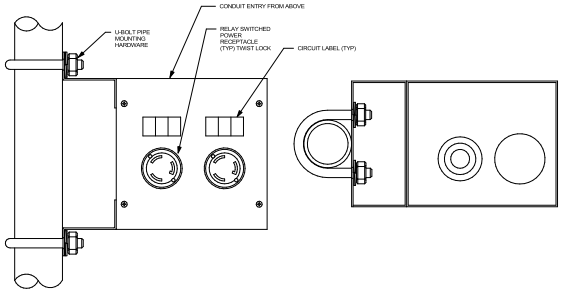
TL-101A2



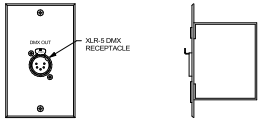
6 CONTROL DISTRIBUTION PANEL (CDP)
3" = 1'-0"



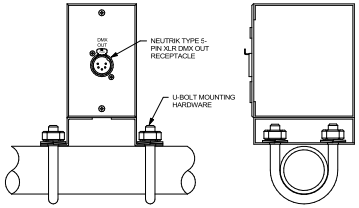
3 WB
6" = 1'-0"



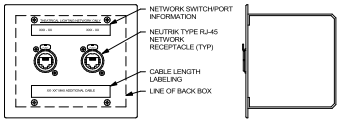
5 PB DETAIL FOR TENSION GRID (TYPE 2)
6" = 1'-0"



2 DMX (RECESSED)
6" = 1'-0"



4 DMX (PIPE)
6" = 1'-0"



1 CRS
6" = 1'-0"

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ENGINEER
Charles Smith and Associates, Inc.
2 TX-BR-1199
ENGINEER
2 TX-21142
ENGINEER
2 TX-21142
LANDSCAPE
2 TX-2100-0077
PLUMBING
2 TX-2100-199
ELECTRICAL/LOW VOLTAGE
Stantec
2 TX-2100-333

DAVID W. CARTER HIGH SCHOOL BLACK BOX ADDITION

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8911 S. WINTERGREEN LAND RD.
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ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT

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DALLAS ISD

DATE	PROJECT NUMBER
2025.08.25	230050

DRAWING HISTORY

No.	Description	Date

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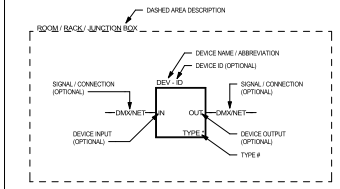
DETAILS

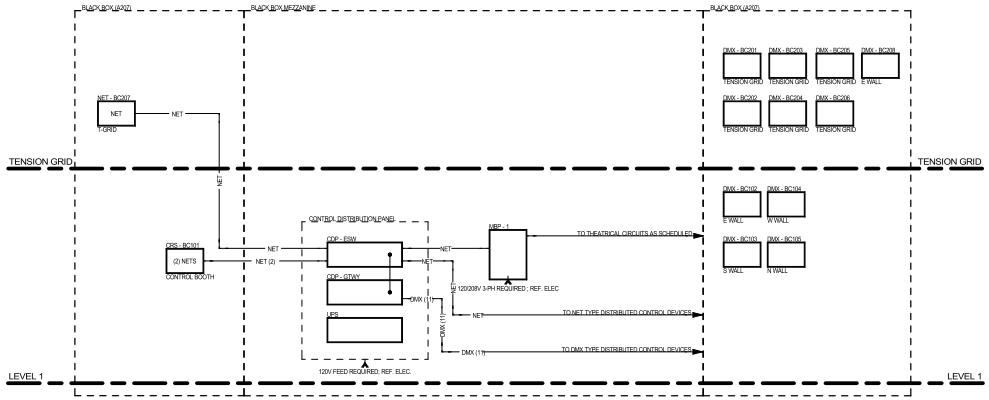
TL-602

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE INSTALLATION SO THAT LOADS ARE PROPERLY LANDED INSIDE DIMMER RACK TO ACHIEVE PROPER FUNCTION OF THE ETHERNET LIGHING NETWORK.
2. ALL HOUSELIGHT / WORKLIGHT WIRING CONFIGURATION SHOULD BE CERTIFIED WITH LIGHTING CONTROL EQUIPMENT MANUFACTURER.
3. PROVIDE UPS BACKUP FOR DMX DISTRIBUTION, ARCHITECTURAL LIGHTING CONTROL PROCESSOR AND LIGHTING CONTROL CONSOLES.
4. WORKLIGHT, HOUSELIGHT, SEATLIGHT, STEPLIGHT, AND SAFETY LIGHT LOADS SHALL BE COORDINATED - SEE HOUSELIGHT LIGHTING CIRCUIT SCHEDULE FOR DETAILS AND CIRCUIT LOCATION.
5. COORDINATE POSSIBLE TRANSFORMER AND BALLAST REQUIREMENTS AND LOCATIONS FOR HOUSELIGHT, SEATLIGHT, STEPLIGHT AND SAFETY LIGHT LOADS.
6. TERMINATE ALL FIVE PINS OF EACH DMX INPUT AND OUTPUT.
7. PROVIDE PROPER AMOUNTS OF CABLE SLACK AFTER TERMINATION FOR FUTURE UPGRADE OF LIGHTING SYSTEM.
8. COORDINATE EMERGENCY LIGHTING CIRCUITING.

DEVICE SIGNAL FLOW DETAIL





01 BLACK BOX RISER DIAGRAM
N.T.S.

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2 DALLAS
Charles Perry and Associates, Inc.
2 DALLAS
STRUCTURAL
1 DALLAS
CIVIL
1 DALLAS
LANDSCAPE ARCHITECTURE
1 DALLAS

DAVID W. CARTER HIGH SCHOOL BLACK BOX ADDITION

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DALLAS INDEPENDENT SCHOOL DISTRICT

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DATE	PROJECT NUMBER
2025.08.25	230050

DRAWING HISTORY

No.	Description	Date

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THEATRICAL LIGHTING CONTROL RISER

TL-1601

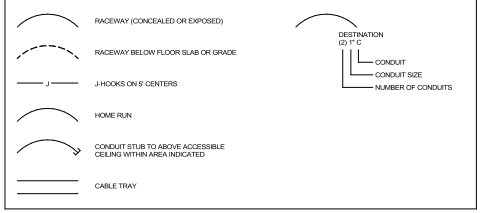
GENERAL ABBREVIATIONS

--	NOT APPLICABLE	L	LENGTH, LEFT
		LR	LEFT/RIGHT
@	AT	LAN	LOCAL AREA NETWORK
		LB	POUNDS
3DC	3D CONTROLLER	LF	LINEAR FEET
		LTG	LIGHTING
A/C	AIR CONDITIONING		
ABV	ABOVE	MAX	MAXIMUM
AC	ALTERNATING CURRENT	MDF	MAIN DISTRIBUTION FRAME
ADA	AMERICANS WITH DISABILITIES ACT	MECH	MECHANICAL
ADJ	ADJUSTABLE	MIN	MINIMUM
AFC	ABOVE FINISHED CEILING	MMFO	MULTIMODE FIBER OPTIC CABLE
AFF	ABOVE FINISHED FLOOR	MTD	MOUNTED
AFG	ABOVE FINISHED GRADE		
AHJ	AUTHORITY HAVING JURISDICTION	NA	NOT APPLICABLE
ALT	ALTERNATE	NC	NORMALLY CLOSED
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	NEC	NATIONAL ELECTRICAL CODE
ARCH	ARCHITECT, ARCHITECTURAL	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOC.
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS		NETWORK
AUX	AUXILIARY	NIC	NOT IN CONTRACT
AWG	AMERICAN WIRE GAUGE	NO	NORMALLY OPEN
		NTS	NOT TO SCALE
BFC	BELOW FINISHED CEILING		
BFF	BELOW FINISHED FLOOR	OC	ON CENTER
BLDG	BUILDING	OD	OUTSIDE DIAMETER
BOH	BACK OF HOUSE	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
BOP	BOTTOM OF PIPE	OFE	OWNER FURNISHED EQUIPMENT
BOS	BOTTOM OF STRUCTURE	OFOI	OWNER FURNISHED OWNER INSTALLED
C	CONDUIT	P	PRIMARY
CAT	CATEGORY CABLE	P/O	PART OF
CKT	CIRCUIT	PC	PERSONAL COMPUTER
CL	CENTER LINE	PDU	POWER DISTRIBUTION UNIT
CLG	CEILING	PGM	PROGRAM
CMU	CONCRETE MASONRY UNIT	PH	PHASE
COL	COLUMN	PNL	PANEL
CTRL	CONTROL	PROC	PROCESSOR
		PRH	PROJECT RECEPTACLE HEIGHT
D	DEPTH, DEEP	PRX	PROXIMITY SENSOR
DC	DIRECT CURRENT	PS	POWER SUPPLY
DC	DOWNSTAGE CENTER	PSF	POUNDS PER SQUARE FOOT
DEG	DEGREES	PSH	PROJECT SWITCH HEIGHT
DEMO	DEMOLITION	PSI	POUNDS PER SQUARE INCH
DFP	DIRECTOR'S FLOOR POCKET	PT	PASS THROUGH
DIA	DIAMETER	PVC	POLYVINYL CHLORIDE
DIM	DIMENSION	PWR	POWER
DIV	DIVISION		
DS	DOWNSTAGE	QTY	QUANTITY
DSL	DOWNSTAGE LEFT		
DSR	DOWNSTAGE RIGHT	R	RIGHT
DWG	DRAWING	RCP	REFLECTED CEILING PLAN
		REF	REFERENCE, REFER
EA	EACH	REINF	REINFORCING
EC	ELECTRICAL CONTRACTOR	REQD	REQUIRED
EL	ELEVATION	REV	REVISION, REVISE
ELEC	ELECTRICAL	RM	ROOM
ENCL	ENCLOSURE	RO	ROUGH OPENING
EQ	EQUAL	RPM	REVOLUTIONS PER MINUTE
EQUIP	EQUIPMENT		
ER	EQUIPMENT RACK	S	SURFACE, SECONDARY
ESW	ETHERNET SWITCH	SQFT	SQUARE FEET
EXIST	EXISTING	SIM	SIMILAR
		SL	STAGE LEFT
FA	FIRE ALARM	SMFO	SINGLE MODE FIBER OPTIC CABLE
FB	FLOOR BOX	SMP	STAGE MANAGER POSITION
FLEX	FLEXIBLE	SPEC	SPECIFICATION
FLR	FLOOR	SQ	SQUARE
FO	FINISHED OPENING	SR	STAGE RIGHT
FOH	FRONT OF HOUSE	STD	STANDARD
FPB	FIBER OPTIC PATCHBAY	STP	SHIELDED TWISTED PAIR
FPM	FEET PER MINUTE	SURF	SURFACE
FT	FOOT, FEET	SUSP	SUSPEND
FV	FIELD VERIFY		
		TBD	TO BE DETERMINED
GND	GROUND	THRU	THROUGH
GA	GAUGE	TYP	TYPICAL
H	HEIGHT	UC	UPSTAGE CENTER
HL	HOUSE LEFT	UL	UNDERWRITERS LABORATORIES, INC.
HMP	HOUSE MANAGER POSITION	UNO	UNLESS NOTED OTHERWISE
HOR	HORIZONTAL	UPS	UNINTERRUPTIBLE POWER SUPPLY
HP	HORSEPOWER	US	UPSTAGE
HR	HOUSE RIGHT	USL	UPSTAGE LEFT
HZ	HERTZ	USR	UPSTAGE RIGHT
		USB	UNIVERSAL SERIAL BUS
I/O	INPUT/OUTPUT	UTP	UNSHIELDED TWISTED PAIR
ID	INSIDE DIAMETER		
IDF	INTERMEDIATE DISTRIBUTION FRAME	V	VOLT
IG	ISOLATED GROUND	VA	VOLT-AMPERE
ISO	ISOLATED	VERT	VERTICAL
		VIF	VERIFY IN FIELD
JB	JUNCTION BOX		
JBD	JUNCTION BOX - DATA		
JP	JUNCTION BOX - SYSTEM POWER	W	WITH
		W/O	WITHOUT
KPD	KEYPAD	WP	WEATHERPROOF
KW	KILOWATT	WT	WEIGHT

THEATRE SYSTEM ABBREVIATIONS

--	NOT APPLICABLE	LPO	LIGHTING POWER OUTLET
		LRA	LOCKED ROTOR AMPS
ACP	ARCHITECTURAL CONTROL PROCESSOR		
		MCC	MOTOR CONTROL CENTER
CDR	CONTROL DISTRIBUTION RACK		
		RP	RELAY PANEL
DB	DIMMER BANK		
DISC	DISCONNECT	SVR	COMPUTER SERVER
DM	DIMMING SYSTEM MANUFACTURER		
DMX	DIGITAL LIGHTING CONTROL UNIT	TL	THEATRICAL LIGHTING
DR	DIMMER RACK	TR	THEATRICAL RIGGING
HL	HOUSELIGHT	WL	WORKLIGHT
JD	JUNCTION BOX - DIMMING SYSTEM		
JR	JUNCTION BOX - RIGGING SYSTEM CONTROL		

PATHWAY DISTRIBUTION



RIGGING NOTES

GENERAL INSTALLATION PRACTICE

THEATRE STAGES, AUDIENCE CHAMBERS, STUDIOS, AND PERFORMANCE PLATFORMS ARE CONSIDERED OVERHEAD LIFTING AND RIGGING APPLICATIONS, ONLY GRADED HARDWARE AND FASTENERS SHALL BE PERMITTED WITH APPROVED ASSEMBLIES IN THE LOAD PATH FOR ENTERTAINMENT RIGGING APPLICATIONS. HARDWARE SHALL BE OF TRACABLE LIS MANUFACTURE.

EFFICIENCY RATING OF THE WIRE ROPE ATTACHMENTS AND TERMINATIONS SHALL ACHIEVE MAXIUM RATING, AT 100 PERCENT. THE FOLLOWING SHALL NOT BE USED; LESSER METHODS USING GENERIC OR MALLEABLE WIRE ROPE CABLE CLIPS; ALUMINUM SWAGE FITTINGS. ATTACHMENTS AND TERMINATIONS WHERE SWAGE FITTINGS ARE USED SHALL BE INSTALLED TO MANUFACTURER SPECIFICATOINS AND INDIVIDUALLY TESTED VIA GAUGE APPROPRIATE TO THE SWAGE METHOD USED.

IN ADDITION ALL TOOLS FOR CRIMPING NICOPRESS-TYPE FITTINGS MUST BE ADJUSTABLE, AND RECENTLY ALIGNED AND CALIBRATED. ALL USERS OF THE TOOL MUST BE TRAINED IN THE FOLLOWING:

A TOOL CALIBRATION AND INDIVIDUAL CRIMP PROVING VIA GAUGE
B PROPER CRIMPING PRACTICES AND IDENTIFICATION OF INCORRECT METHODS
C METHODS TO ACHIEVE 100 PER CENT EFFICIENCY OF ATTACHMENT
D DOCUMENTED MEASUREMENT AND INSPECTION OF FINISHED WORK

GENERAL RIGGING STANDARDS

THE FOLLOWING GENERAL RIGGING STANDARDS ARE MINIMUM DESIGN STANDARDS AND REQUIREMENTS UNLESS MODIFIED BY OTHER SECTIONS IN THE DRAWINGS OR SPECIFICATIONS. ALL CODES BY GOVERNING BODIES TAKE PRECEDENCE OVER DESIGN FACTORS REFLECTED IN THESE DRAWINGS AND SPECIFICATIONS:

1. ALL MATERIALS USED IN THIS PROJECT WILL BE NEW AND UNUSED. REFURBISHED OR USED EQUIPMENT IS PROHIBITED.

2. ALL INCIDENTAL RIGGING HARDWARE INCLUDING TURNBUCKLES, CLIPS, TRACKS, CHAINS, ETC., WILL BE FURNISHED PLATED OR PAINTED. WIRE ROPE WILL BE GALVANIZED. FASTENERS, CHAIN, AND OTHER MISCELLANEOUS HARDWARE WILL BE EITHER CADMIUM OR ZINC PLATED. FORGED SHACKLES OR OTHER ITEMS, HAVING FACTORY PAINTED RED PINS, OR MATCHING INDIVIDUALLY NUMBERED PARTS SHALL NOT BE ALTERED, THEREBY REDUCING THEIR TRACEABILITY VIA MANUFACTURERS LOGS.

3. PIPE BATTENS WILL BE CONSTRUCTED OF NEW ASTM A53/A 1-1/2" NOMINAL I.D. SCHEDULE 40 PLAIN END STEEL PIPE. BATTENS EXCEEDING ONE STANDARD PIPE LENGTH WILL BE JOINED USING AN INTERNAL SPLICING SLEEVE. THREADED COUPLERS ARE NOT PERMITTED. ALL BATTENS WILL BE FINISHED IN A CORROSION RESISTANT BLACK PAINT.

4. PIPE BATTEN SPLICE SLEEVES WILL BE A MINIMUM OF 24" IN LENGTH WITH A MINIMUM OF 12" EXTENDING INTO EACH PIPE BATTEN AND WILL HAVE THE SAME OVERALL CAPACITY, DEFLECTION, AND STRENGTH AS THE PIPE BATTENS BEING JOINED. SLEEVES WILL BE MACHINED TO A DIAMETER, WHICH WILL CREATE A SNUG FIT WITHIN THE PIPE BATTENS. SLEEVES WILL MAINTAIN, AS A MINIMUM, THE SAME WALL THICKNESS AS THE PIPE BATTENS BEING JOINED. SPLICING SLEEVES WILL BE ATTACHED TO THE PIPE BATTEN IN AT LEAST TWO LOCATIONS AT RIGHT ANGLES ON EACH SIDE OF JOINT WITH THE USE OF PINS OR BOLTS AND WELDED. DEBURR ALL EXPOSED SURFACES. EACH END OF THE PIPE BATTEN WILL BE CAPPED WITH, SOFT RUBBER PROTECTIVE COVERS.

5. PIPE BATTENS WILL BE EQUIPPED WITH ONLY GRADE 5 OR GREATER HARDWARE WITH SELF-LOCKING FASTENERS.

6. ALL LIFT LINES WILL BE CONTINUOUS LENGTHS, FREE OF SPLICES. WIRE ROPE SHALL HAVE THIMBLES IN ALL EYES. MINIMUM OF ¼" 7X19 WIRE ROPE SHALL BE USED AS LIFTING LINES UNLESS SPECIFIED OTHERWISE. WHERE THE LIFTED LOAD REQUIRES LARGER DIAMETER WIRE ROPE IN ORDER TO MAINTAIN THE SAFETY FACTOR, THE LARGER DIAMETER WIRE ROPE SHALL BE PROVIDED.

7. ALL SWAGING WILL BE PERFORMED AND WIRE ROPE CLIPS INSTALLED IN ACCORDANCE WITH MANUFACTURERS STANDARDS.

8. FLEET ANGLE OF ALL WIRE ROPE TO SHEAVE(S), IDLER(S), AND OR HEAD-BLOCK(S) SHALL NOT EXCEED (1-1/2) ONE AND ONE HALF DEGREES OFF CENTER.

9. TRIM CHAINS WILL BE CONSTRUCTED OF SPECIALITY THEATRICAL ALLOY OR NACM GRADE 80, 1/4" OR LARGER, SUFFICIENTLY LONG ENOUGH TO WRAP ONE AND ONE-HALF TIMES AROUND THE PIPE BATTEN AND ANY LINK ALONG THE RETURN SIDE OF THE CHAIN FOR ADJUSTMENT. CHAIN SHALL BE RATED BY ITS MANUFACTURER FOR THE INTENDED USE.

10. A DESIGN FACTOR OF (8) EIGHT TO (1) ONE SHALL BE OBSERVED FOR ALL ITEMS SUSPENDED ABOVE THE HEADS OF PERFORMERS, THE PUBLIC OR EMPLOYEES IN AND AROUND THE PERFORMANCE SPACE.

11. THEATRE RIGGING CONTRACTOR SHALL PROVIDE TRAINING OF THE OWNER, OWNERS REPRESENTATIVES, EMPLOYEES, OR OTHERS DESIGNATED BY THE OWNER. TRAINING CAN ONLY BE CONSIDERED COMPLETE WHEN SIGNED, AND DATED DOCUMENTATION OF THE TRAINING SESSION, INSTRUCTOR QUALIFICATION, AND RETRACEABLE PAPERWORK PATH IS ON FILE BY CONTRACTOR AND FACILITY EMPLOYER. DATED, SIGNED, AND REGULARLY SCHEDULED TOOL ALIGNMENT AND REPLACEMENT SCHEDULE MUST ALSO BE INCLUDED IN THE DOCUMENTATION.

GENERAL CONDITIONS

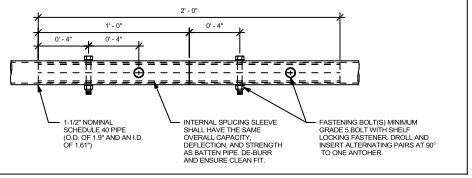
FOLLOW ALL CURRENT OSHA, STATE, LOCAL CODES, AND PRACTICES INCLUDING THOSE ESTABLISHED BY PLASA/ESTA AND OTHER APPLICABLE ORGANIZATIONS. THESE STANDARDS REFLECT COMMON INDUSTRY PRACTICES. WHILE VALID EXCEPTIONS MAY ARISE, FOLLOW THESE PRACTICES, EXCEPT AS NOTED OR SPECIFIED.

WJHW PROVIDES DESIGN CONCEPT DRAWINGS ONLY AND WHILE THESE SHEETS MAY SHOW STEEL IN PARTICULAR SHAPES AND SIZES, ONLY THE PROJECT ENGINEER IF RECORD SHALL SIZE SPECIFIC STEEL ELEMENTS. ALL STEEL SHOWN IS FOR REFERENCE ONLY AND IS INTENDED TO CONVEY THE DESIGN AND LAYOUT OF MEMBERS SUPPORTING EQUIPMENT SPECIFIED.

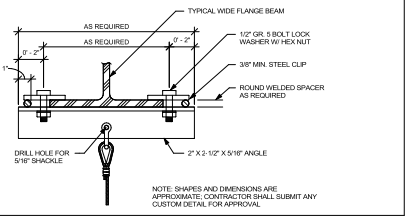
CONDUIT AND PATHWAY NOTES

1. COORDINATE LOCATION OF EQUIPMENT, JUNCTION BOXES, OUTLETS, CONDUIT, ETC. ACCORDING TO THE PROJECT GENERAL CONDITIONS.
2. PROVIDE A COMPLETE RACEWAY SYSTEM TO CONSIST OF METALLIC CONDUIT (EXCLUDING IN-GROUND PATHWAY), JUNCTION BOXES, DEVICE BACK BOXES, AND FITTINGS UNLESS NOTED OTHERWISE.
3. THE DRAWINGS INDICATE ONE ROUTING METHOD OF THE CABLING PATHWAY. CHANGES MAY BE MADE TO THE PATHWAY SYSTEM ROUTING TO ACCOMMODATE SITE CONDITIONS OR TO SIMPLIFY INSTALLATION PROVIDING THAT NOTED CONDUIT SIZE OR LARGER IS MAINTAINED AND DISTANCE LIMITATIONS LISTED BELOW ARE NOT EXCEEDED.
4. CONDUIT STUBS FROM DEVICES TO THE NEAREST CABLE TRAY, ACCESSIBLE CEILING, OR OTHER DESTINATIONS SHALL BE CONTINUOUS.
5. UNLESS NOTED OTHERWISE, CONDUIT IS 3/4 INCH TRADE SIZE.
6. SHOULD ROUGH-IN BOX DEVICE EXIST WITH NO CONDUIT INDICATED TO OR FROM, PROVIDE ¾ INCH TRADE SIZE CONDUIT FROM DEVICE TO ACCESSIBLE CEILING.
7. CONDUIT BODIES (LB'S) ARE NOT PERMITTED.
8. CONDUITS SHALL BE REAMED TO ELIMINATE SHARP EDGES. METALLIC CONDUITS SHALL BE TERMINATED WITH AN INSULATED BUSHING. PULL STRINGS WITH A MINIMUM PULL RATING OF 400 POUNDS SHALL BE PROVIDED.
9. FOR CONDUIT WITH AN INTERNAL DIAMETER GREATER THAN 2 INCHES, MAINTAIN A BEND RADIUS OF AT LEAST 10 TIMES THE INTERNAL CONDUIT DIAMETER.
10. BENDS IN THE CONDUIT SHALL NOT CONTAIN ANY KINKS OR OTHER DISCONTINUITIES. FLEX IS NOT PERMITTED UNLESS NOTED OTHERWISE.
11. NO SECTION OF CONDUIT SHALL EXCEED 100 FEET. RUNS IN EXCESS OF 100 FEET REQUIRE A PULL BOX / HANDHOLE / VAULT.
12. NO SECTION OF CONDUIT SHALL CONTAIN MORE THAN TWO 90 DEGREE BENDS, OR EQUIVALENT 180 DEGREES, BETWEEN PULL BOXES.
13. PULL BOX SHALL NOT BE USED IN LIEU OF A BEND. CONDUITS MUST RUN STRAIGHT THROUGH A PULL BOX WITH THE BEND LOCATED EITHER BEFORE OR AFTER THE PULL BOX.
14. PULL BOX LENGTH TO BE NO LESS THAN 8 TIMES THE DIAMETER OF THE LARGEST TERMINATING CONDUIT. PULL BOX WIDTH TO BE NO LESS ¼ THE LENGTH.
15. PROVIDE COVERS WITH LABELING FOR JUNCTION BOXES, BACK BOXES AND PULL BOXES WITHOUT FACEPLATES. LABELING MATCHES DEVICE NAME AS INDICATED ON DRAWINGS, FOR EXAMPLE "AV1", "AL".
16. ALL CONDUITS ENTERING OR EXITING EQUIPMENT RACKS TO BE ISOLATED WITH A NON-METALLIC SPACER OR FITTING.
17. PROVIDE CONDUIT TO CROSS INACCESSIBLE CEILINGS OR IN AREAS WITHOUT CEILINGS UNLESS NOTED OTHERWISE.
18. PROVIDE CONDUIT IN EXPOSED AREAS, MECHANICAL SPACES, FOOD SERVICES AREAS, AND ELEVATOR CONTROL ROOMS.
19. REGARDLESS OF PATHWAY TYPE, ALL CABLING SHALL BE SUPPORTED AT 4 FEET MAXIMUM INTERVALS. CABLES SHALL NOT BE LAID DIRECTLY ON THE CEILING TILE OR RAILS OR STRAPPED TO CONDUIT.
20. ROUTE CONDUIT WITH OTHER BUILDING SERVICES AND CONCEAL WHENEVER POSSIBLE. GROUP AND RUN PARALLEL ALONG A SINGLE BUILDING COLUMN LINE, HOLD TIGHT TO STRUCTURE AND PAINT AS DIRECTED BY THE ARCHITECT.
21. IF AV AND POWER CONDUITS MUST CROSS, CROSS AT RIGHT ANGLES.
22. FOR IN-SLAB OR UNDERGROUND CONDUIT ENTERING A BUILDING, TRANSITION BACK TO METALLIC CONDUIT WITHIN 3 FEET OF THE ENTRY POINT.
23. REFER TO PROJECT MANUAL FOR FIRE STOPPING REQUIREMENTS.
24. REFER TO ELECTRICAL DRAWINGS AND PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

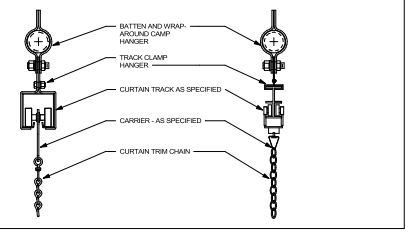
PIPE SPLICE METHOD - BATTENS



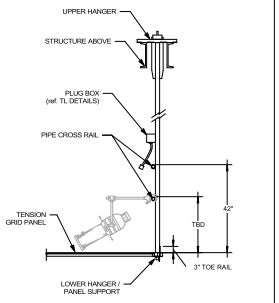
BEAM CLAMP



TRACK HANGING METHOD - BATTENS



TENSION GRID DETAILS



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CIVIL
Kimley-Horn
1 972 770 1300
ACOUSTICS
Acoustic Dimensions
1 214 696 1991
SOUND/VIDEO/AV
WJHW
1 615 320 7689

DAVID W. CARTER HIGH SCHOOL BLACK BOX ADDITION

ORG 023
8355 WINDHILL LAND RD.
DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT

ARCHITECT

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025.08.25	230050

DRAWING HISTORY

No.	Description	Date

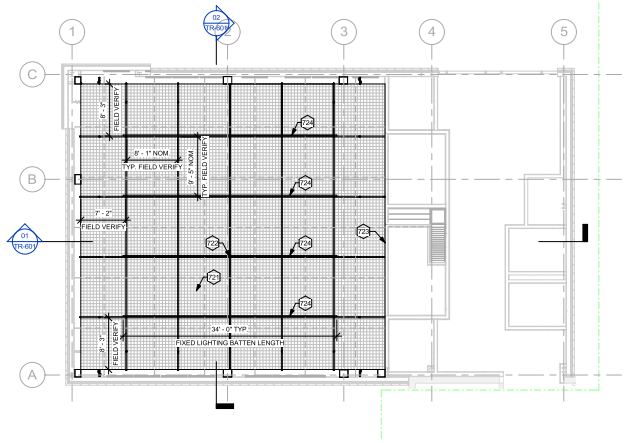
ISSUED FOR PERMIT

GENERAL NOTES AND LEGENDS

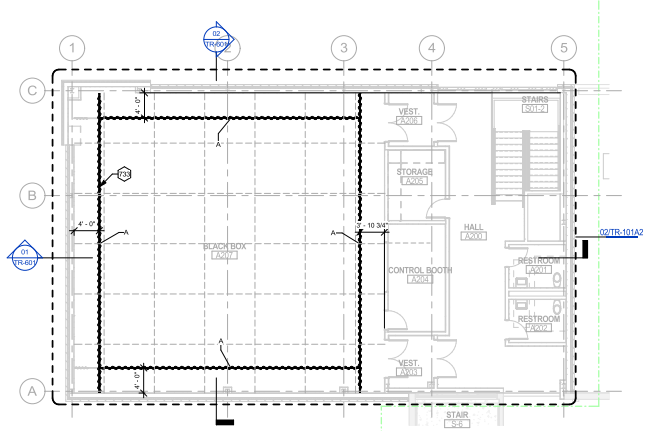
TR-000

DRAPERY SCHEDULE											
Drapery ID	Description	Location	Quantity	Size	Fabric Type	Color	Weight	Fullness	Hem	Bottom	Comments
A	MASKING	BLACK BOX	22	11'-6" H x 8'-3" W	IFR VELOUR	BLACK	20oz.	50%	12" VERTICAL EDGES	CHAIN	HANG FROM WALK-ALONG TRACK HARDWARE

KEYNOTES	
721	TENSION WIRE GRID (TWG); COMBINED LIVE/ DEAD LOAD LOADING ASSUMED TO BE 35 LB/SQ.FT, TYP.
722	TENSION WIRE GRID (TWG) HANGER; ASSUME EVENLY DISTRIBUTED LOADING FROM PANELS. HANGER TO BE COVERED WITH 1-1/2" NPS SCH 40 STEEL PIPE FOR HANGING FIXTURES AND LOOSE EQUIPMENT, TYP.
723	TENSION WIRE GRID (TWG) WALL BRACKET; ASSUME EVENLY DISTRIBUTED LOADING FROM PANELS, TYP.
724	HORIZONTAL FIXED LIGHTING BATTEN: ASSEMBLED WITH 1-1/2" SCH 40 STEEL PIPE. LIVE LOAD NOT TO EXCEED 25LB/LF. PROVIDE WITH TEMPORARY PIPE CLAMPS TO LOOSE PIPE AND HARDWARE AS NOTED IN 11 61 53 SPECIFICATION. MOUNT AT 3'-0" AFF OF TWG, TYP.
733	BLACK CURTAIN PANELS ON TRACK SUSPENDED FROM PIPE GRID. SEE DRAPERY SCHEDULE FOR DETAILS



02 TR_BLACK BOX 2ND LEVEL MEZZANINE - FLOOR PLAN
1/8" = 1'-0"



01 TR_BLACK BOX 2ND LEVEL - FLOOR PLAN - AREA A
1/8" = 1'-0"

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DAVID W. CARTER HIGH SCHOOL BLACK BOX ADDITION

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DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH PLAN TRUE

ARCHITECT

CLIENT
DALLAS ISD

DATE	PROJECT NUMBER
2025.08.25	230050

DRAWING HISTORY

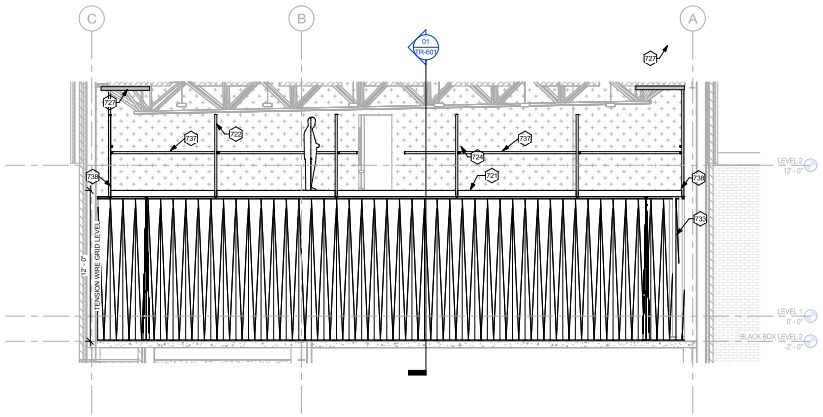
No.	Description	Date

ISSUED FOR PERMIT

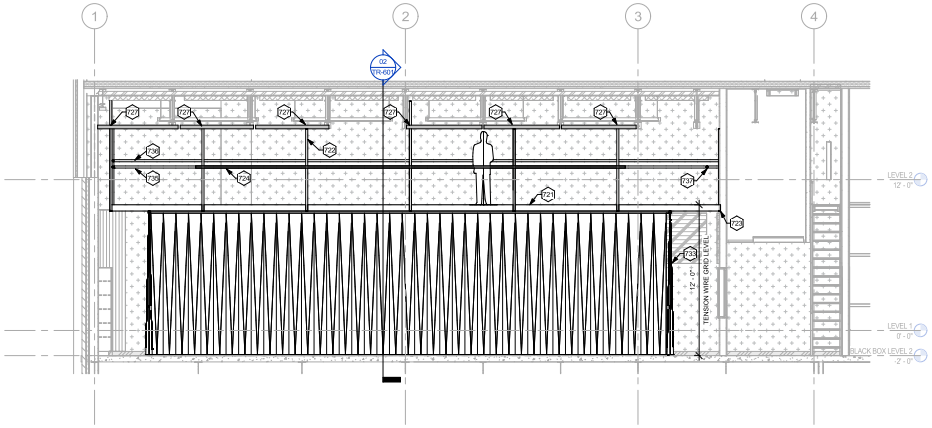
BLACK BOX LEVEL 2 FLOOR PLAN

TR-101A2

KEYNOTES	
721	TENSION WIRE GRID (TWG); COMBINED LIVE/ DEAD LOAD LOADING ASSUMED TO BE 35 LB/SQ.FT, TYP.
722	TENSION WIRE GRID (TWG) HANGER; ASSUME EVENLY DISTRIBUTED LOADING FROM PANELS. HANGER TO BE COVERED WITH 1-1/2" NPS SCH 40 STEEL PIPE FOR HANGING FIXTURES AND LOOSE EQUIPMENT, TYP.
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727	PROVIDE SUPPLEMENTAL STRUCTURE AS REQUIRED FOR TWG CONNECTION TO STRUCTURE, TYP.
733	BLACK CURTAIN PANELS ON TRACK SUSPENDED FROM PIPE GRID. SEE DRAPERY SCHEDULE FOR DETAILS
735	AUXILIARY LIGHTING POSITION. 1 1/2" SCH40 STEEL PIPE. LIVE LOAD NOT TO EXCEED 25LB/ LF, TYP. MOUNT PIPE AT 3'-0" ABOVE TWG, TYP.
736	1 1/2" SCH40 STEEL PIPE RAILING; MOUNT PIPE AT 3'-6" ABOVE TWG AS REQUIRED, TYP.
737	AUXILIARY LIGHTING POSITION. 1 1/2" SCH40 STEEL PIPE. LIVE LOAD NOT TO EXCEED 25LB/ LF, TYP. WALL-MOUNT PIPE AT 3'-0" ABOVE TWG, TYP.
738	PROVIDE 4" HIGH CONTINOUS TOE KICK OF STEEL PLATE OR FIRE RATED WOOD, AS REQUIRED, TYP.



02 N-S SECTION - BLACK BOX
1/4" = 1'-0"



01 E-W SECTION - BLACK BOX
1/4" = 1'-0"

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DAVID W. CARTER HIGH SCHOOL BLACK BOX ADDITION

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DALLAS, TX 75232

ISSUED FOR PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT

ARCHITECT

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DALLAS ISD

DATE	PROJECT NUMBER
2025.08.25	230050

DRAWING HISTORY

No.	Description	Date

ISSUED FOR PERMIT

SECTION

TR-601

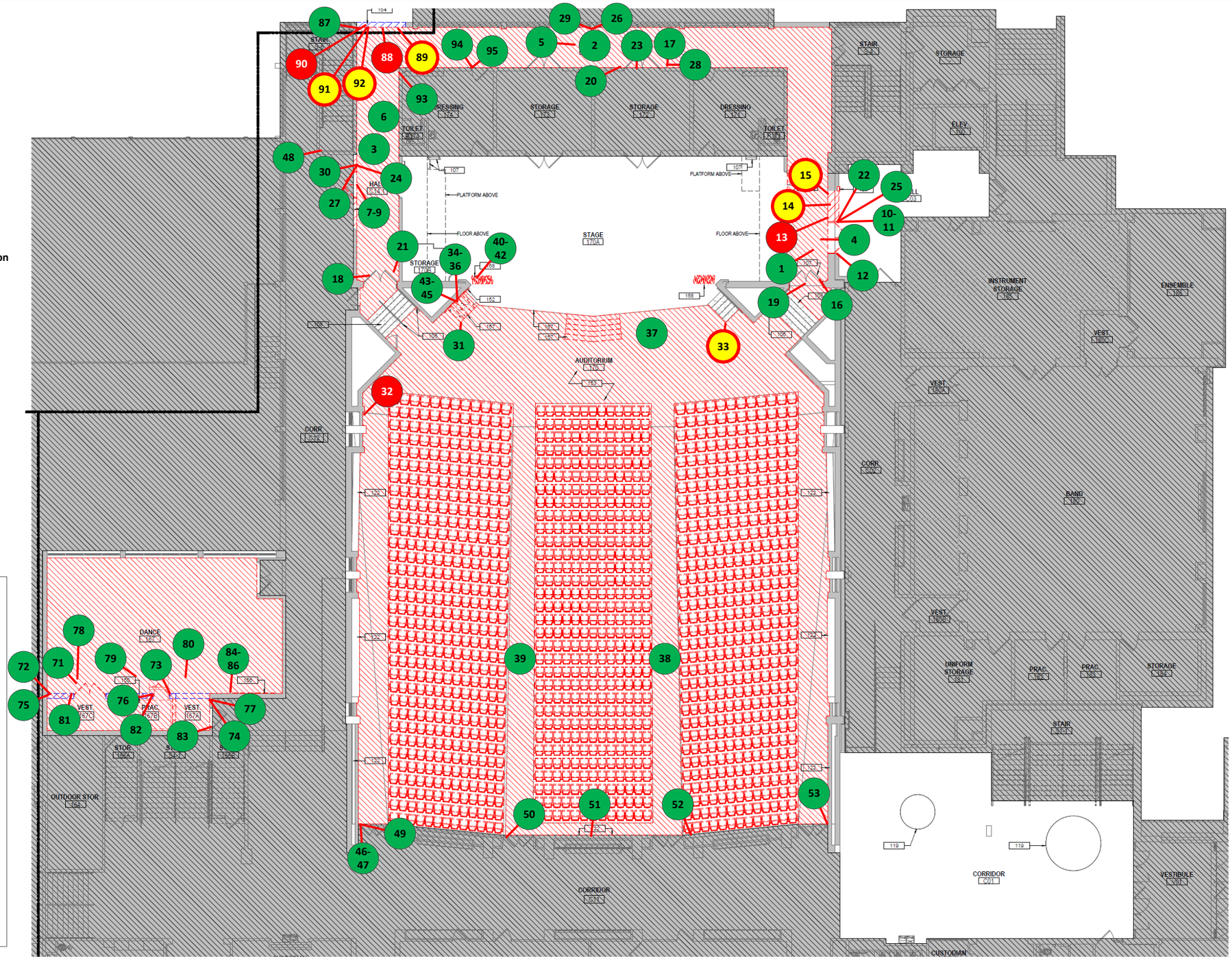
Non-ACBM Sample Location

ACBM Sample Location

Positive Stop Sample Location

Key Plan





LCA Environmental	Figure 1 Pre-Renovation ACBM Inspection		
DRAWN: TJS	30 December 2024	Prepared For: DISD	Sample Location Plan Carter High School – Black Box Addition 1819 W. Wheatland Road, Dallas, TX
REVISED:	SCALE: NTS	LCA Project Number: 241015	SHEET: 1 OF 5

Non-ACBM Sample Location

ACBM Sample Location

Positive Stop Sample Location

Key Plan



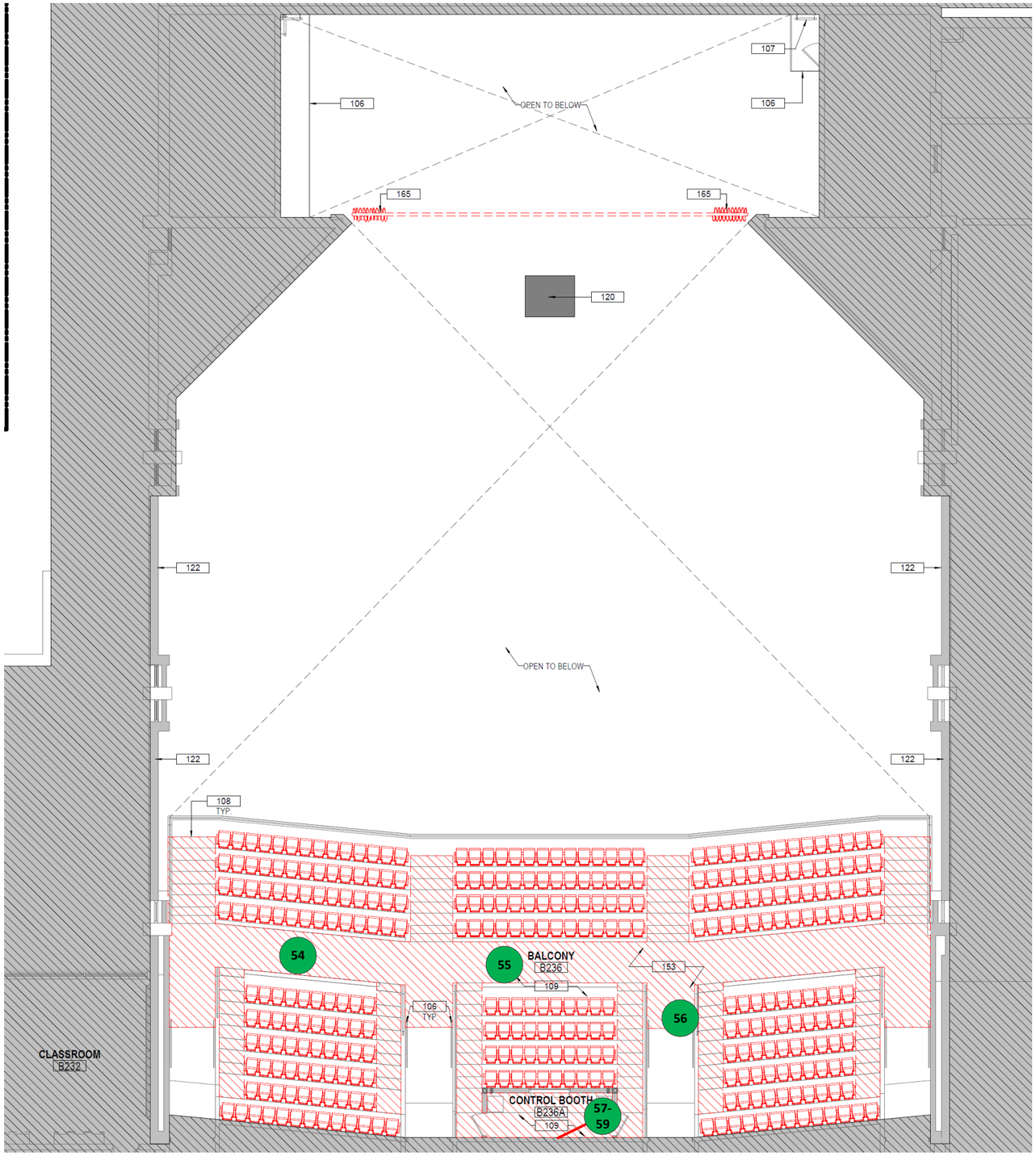
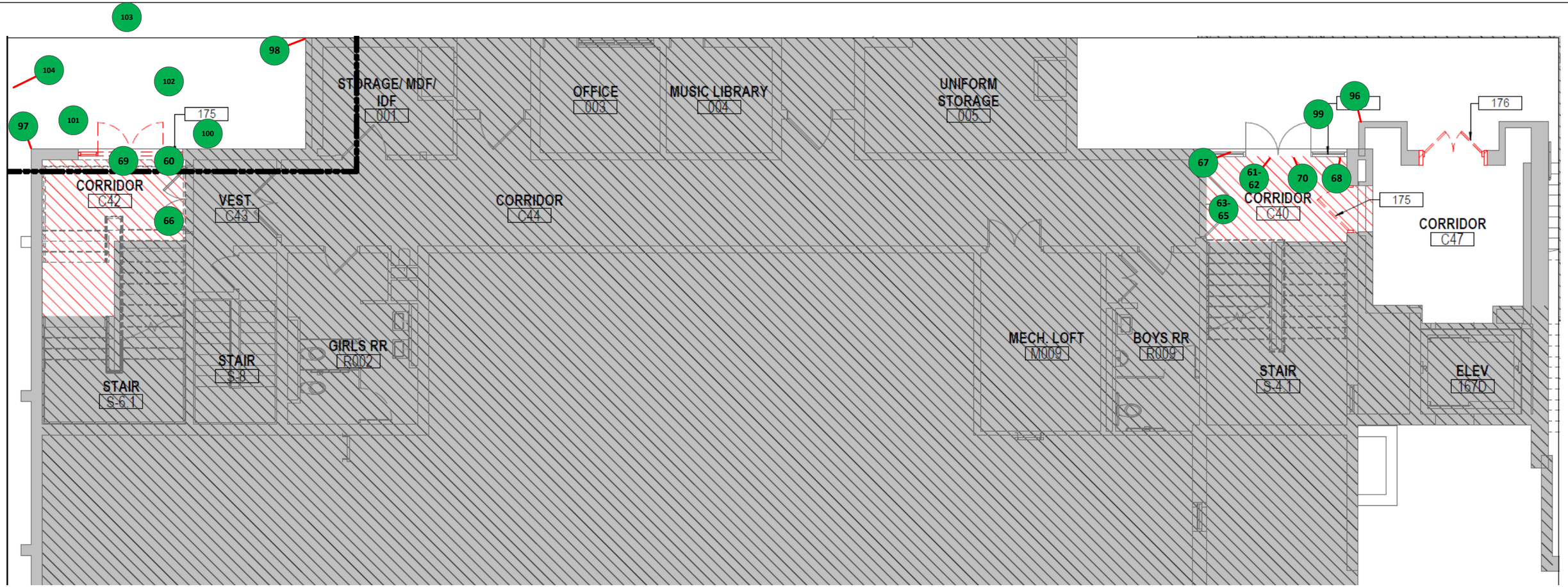


Figure 2

Pre-Renovation ACBM Inspection

LCA Environmental	Prepared For: DISD	Sample Location Plan Carter High School – Black Box Addition 1819 W. Wheatland Road, Dallas, TX	REV
DRAWN: TJS 30 December 2024			
REVISED:	SCALE NTS	LCA Project Number: 241015	SHEET 2 OF 5



Key Plan



Non-ACBM Sample Location

ACBM Sample Location

Positive Stop Sample Location

LCA Environmental

DRAWN: TJS 30 December 2024

REVISED:

Figure 3

Pre-Renovation ACBM Inspection

Prepared For: DISD

Sample Location Plan
Carter High School – Black Box Addition
1819 W. Wheatland Road, Dallas, TX

REV

SCALE NTS

LCA Project Number: 241015

SHEET 3 OF 5

ACBM Plaster Wall (Crow's Foot)

ACBM Plaster Wall (Smooth)

ACBM Black Mastic Assoc. w/ Vinyl Cove Base (Gray)

ACBM Mortar Assoc. w/ Ceramic Cove Base (Tan)

PACM Polyurethane Flooring

Note: ACM Spray-applied Fire Proofing Exists Above Ceiling of Auditorium. Any Intrusion Into This Space Will Require Abatement Around Intrusions.

Key Plan



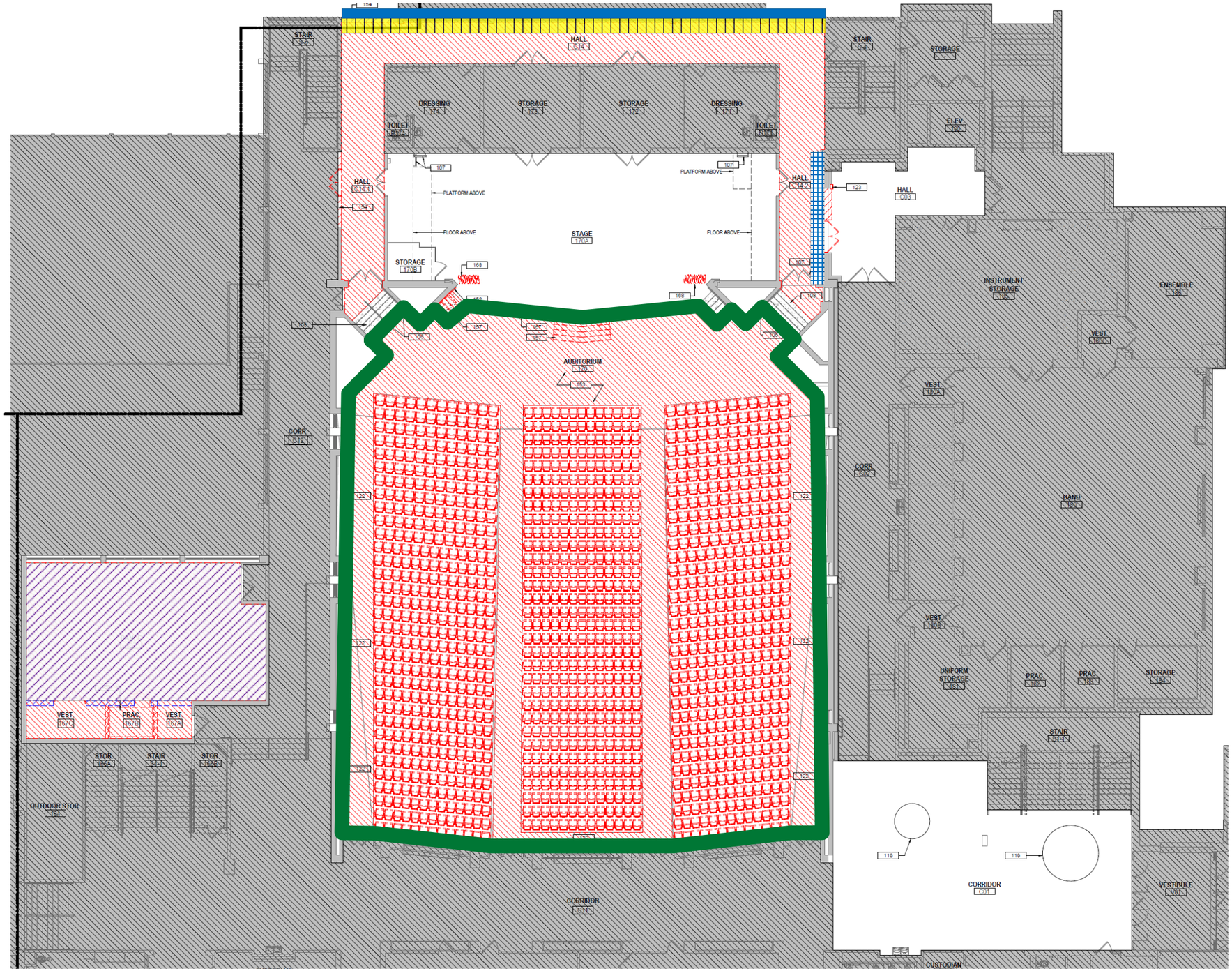


Figure 4

Pre-Renovation ACBM Inspection

LCA Environmental	Prepared For: DISD	ACBM/PACM Location Plan Carter High School – Black Box Addition 1819 W. Wheatland Road, Dallas, TX	REV
DRAWN: TJS 30 December 2024			
REVISED:	SCALE NTS	LCA Project Number: 241015	SHEET 4 OF 5

ACBM Plaster Wall (Crow's Foot)

ACBM Plaster Wall (Smooth)

ACBM Black Mastic Assoc. w/ Vinyl Cove Base (Gray)

ACBM Mortar Assoc. w/ Ceramic Cove Base (Tan)

PACM Polyurethan Flooring

Note: ACM Spray-applied Fire Proofing Exists Above Ceiling of Auditorium. Any Intrusion Into This Space Will Require Abatement Around Intrusions.

Key Plan



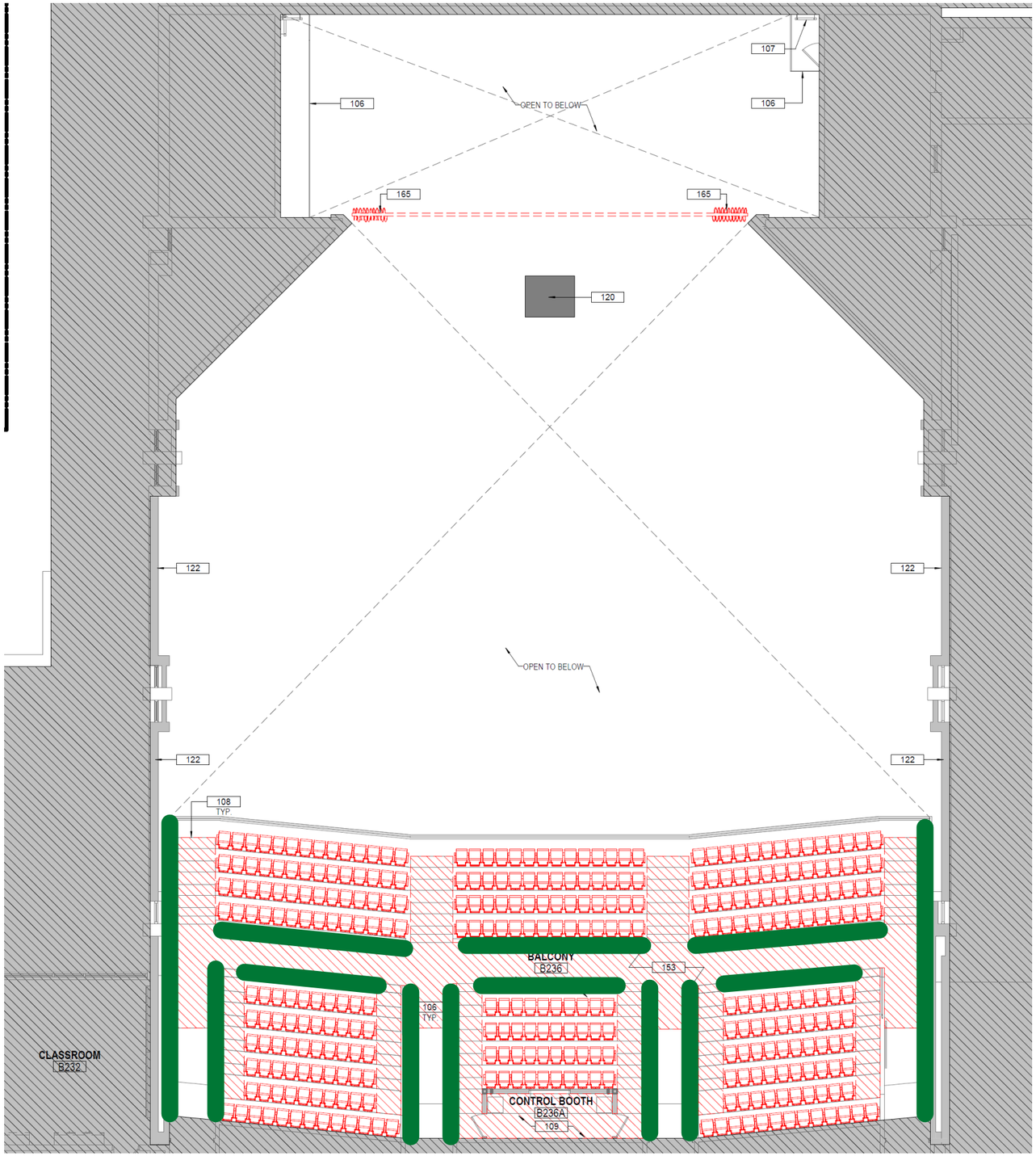


Figure 5

Pre-Renovation ACBM Inspection

LCA Environmental

DRAWN: TJS	30 December 2024	Prepared For: DISD	ACBM/PACM Location Plan Carter High School – Black Box Addition 1819 W. Wheatland Road, Dallas, TX
REVISED:		SCALE: NTS	LCA Project Number: 241015
			SHEET: 5 OF 5
			REV