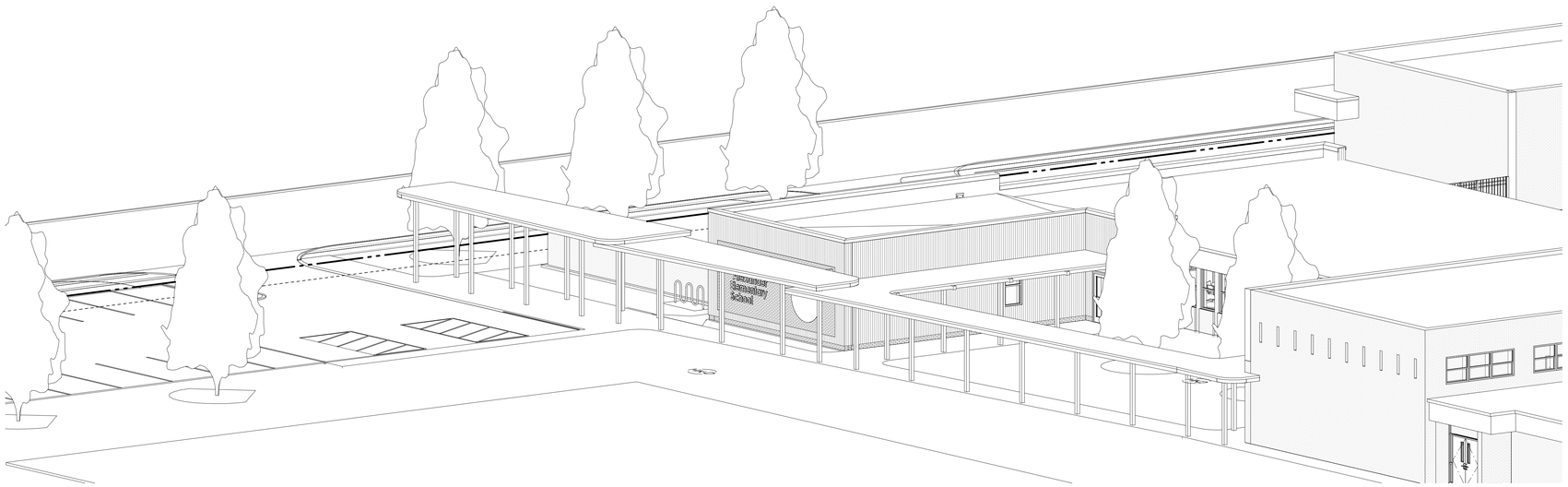
Dallas Independent School District

ORG 235 - Birdie Alexander Elementary School

Renovation and Addition

1830 Goldwood Dr, Dallas, TX 75232

BID & PERMIT
02/22/2026



PROJECT MANAGER
Dallas ISD
Contact: Robert Spicer
9400 N. Central Expressway,
Ste. 800, Dallas, TX 75231
T: 972-455-9282
Email: c1138084@dallasisd.org

ARCHITECT
HarrisonKornberg Architects, LLC
Contact: Benjamin R. Sauceda, AIA
100 Glass Street
Dallas, TX 75207
t: 713-422-2028
Email:bsauceda@harrisonkornberg.com

MEP ENGINEER
MEP Engineers, Inc (MEPCE)
Contact: Hunter Harris
2928 Story Road West
Las Colinas, TX 75038
T:972-870-9060
Email: hharis@mepce.com

FOOD SERVICE DESIGN
Foodservice Design
Contact: Sherri Myers
2655 Villa Creek Drive, #233
Dallas, Tx 75234
T: 972-245-5300
Email:smyers@fdp.org

LANDSCAPE ARCHITECT
CCA Landscape Architects
Contact: Jaclyn Clark
1701 Whispering Pines Lane
Gunter, TX - 75058
T:214-739-9105
Email:jaclyn@ccalandscapearch.com

STRUCTURAL ENGINEER
JQ Infrastructure
Contact: Akshai Ramakrishnan
100 Glass Street #201
Dallas, TX 75207
T:214-752-9092
Email:armakrishnan@jqeng.com

CIVIL ENGINEER
JQ Infrastructure
Contact: Ovi Sipos
100 Glass Street
Dallas, TX 75207
T: 214-623-5872
Email:osipos@jqeng.com

IT / AV / SECURITY
TLC Engineering
Contact: Dylan Akers
1255 Corporate Dr Ste, 100
Irving, TX 75038
T: 972-887-5566
Email:dylan.akers@tlc-eng.com

ROOFING CONSULTANT
Price Consulting Inc.
Contact: Karl Schaak, PE, RRC
211 Highland Cross Drive, Suite 220
Houston, Tx 77073
T: 281-209-1724
Email:kschaack@priceconsulting.com

BID AND PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

Interim Review
These documents are for review only and are not intended for permitting, bidding, or construction.

02.22.2026

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Written dimensions on these drawings shall have precedence over scale dimensions. Contractors shall be responsible for all dimensions and conditions on the job. HarrisonKornberg Architects, LLC must be notified of any variation from the dimension and conditions shown by these drawings.

ISSUES & REVISIONS

No.	Date	Revision
A	08/11/2023	Schematic Design
B	11/16/2023	Design Development
C	2/9/2024	50% Construction Documents
D	06/13/2025	95% Construction Documents
E	01/16/2026	Permit Review Set
F	02/22/2026	Bid and Permit Set

DALLAS ISD BOND2020 OUR CHILDREN. OUR COMMUNITY. OUR FUTURE.

ADDRESS: 1830 Goldwood Drive, Dallas, TX 75232

Scope: **Interior Renovation, Site Modification and Kitchen Addition**

Applicable Codes and Ordinances

Building Dept:	[City of Dallas Public Works & Engineering]
Phone:	[214-948-4421]
Address:	[320 E. Jefferson Blvd.]
Building Code:	[ICC-2021 International Existing Building Code w/ C.O.D. amendments]
Structural Code:	[ICC-2021 International Building Code w/ C.O.D. amendments]
Mechanical Code:	[ICC-2021 Uniform Mechanical Code]
Plumbing Code:	[ICC-2021 Uniform Plumbing Code]
Electrical Code:	[NEC-2020 National Electrical Code]
Fire Code:	[ICC-2021 International Fire Code]
Energy Code:	[IECC - 2021 International Energy Conservation Code / ASHRAE 90.1-2007]
Accessibility Code:	[2012 Texas Accessibility Standards (TAS) of Architectural Barriers Act Article 9102, Texas Civil Statutes Effective March 12, 2012]

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact:Robert Spicer
T: 972-455-9282

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Jaclyn Clark
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

COVER

G0-00

SCALE:

Sheet No.	Sheet Name	Issued 3/23/2023	Issued 4/11/2023	Issued50CD	Issued95CD	Permit Review Set	Bid and Permit Set
01 Project Info & Code Review							
G0-00	COVER	●	●	●	●	●	●
G0-01	SHEET INDEX	●	●	●	●	●	●
G0-02	GENERAL INFORMATION	●	●	●	●	●	●
G0-03	CODE ANALYSIS	●	●	●	●	●	●
G0-03A	SITE DATA	●	●	●	●	●	●
G0-04	CLEARANCES AND MOUNTING HEIGHTS		●	●	●	●	●
G0-05	CLEARANCES AND MOUNTING HEIGHTS		●	●	●	●	●
G0-06	UL ASSEMBLIES AND PARTITION TYPES		●	●	●	●	●
G1-01A	LIFE SAFETY PLAN - AREA A- 1ST FLOOR		●	●	●	●	●
G1-01B	LIFE SAFETY PLAN - AREA B- 1ST FLOOR		●	●	●	●	●
G1-01C	LIFE SAFETY PLAN - AREA C- 1ST FLOOR		●	●	●	●	●
G1-01D	LIFE SAFETY PLAN - AREA D- 1ST FLOOR					●	●
G2-01	SITE PHASING PLAN				●	●	●
02 Civil							
2-Civil	C0-00 GENERAL NOTES		●	●	●	●	●
2-Civil	C1.00 EXISTING CONDITIONS			●	●	●	●
2-Civil	C1.01 EXISTING CONDITIONS DETAIL			●	●	●	●
2-Civil	C2.00 DEMOLITION PLAN			●	●	●	●
2-Civil	C3.00 SITE PLAN			●	●	●	●
2-Civil	C3.01 DIMENSION CONTROL PLAN			●	●	●	●
2-Civil	C4.00 FIRE PROTECTION PLAN			●	●	●	●
2-Civil	C5.00 GRADING PLAN			●	●	●	●
2-Civil	C6.00 PRE-DEVELOPMENT DAM					●	●
2-Civil	C7.00 POST-DEVELOPMENT DAM					●	●
2-Civil	C8.00 UTILITY PLAN			●	●	●	●
2-Civil	C9.00 EROSION CONTROL PLAN			●	●	●	●
2-Civil	C10.00 CIVIL DETAILS			●	●	●	●
2-Civil	C10.01 CIVIL DETAILS			●	●	●	●
2-Civil	C10.02 CIVIL DETAILS			●	●	●	●
2-Civil	C10.03 CIVIL DETAILS				●	●	●
03 Landscape Architecture							
L1.00	TREE CONSERVATION PLAN		●	●	●	●	●
L1.01	TREE CONSERVATION DETAILS		●	●	●	●	●
L2.00	SOIL RESOURCE PLAN			●	●	●	●
L3.00	IRRIGATION PLAN				●	●	●
L3.01	IRRIGATION DETAILS					●	●
L4.00	PLANTING PLAN		●	●	●	●	●
L4.01	PLANTING SCHEDULE		●	●	●	●	●
04 Structural							
S1-01	STRUCTURAL NOTES		●	●	●	●	●
S1-02	STRUCTURAL NOTES		●	●	●	●	●
S1-03	SPECIAL INSPECTIONS		●	●	●	●	●
S2-01	FOUNDATION DEMO PLAN				●	●	●
S2-10	CRAWL SPACE PLAN					●	●
S2-11	FOUNDATION AND FIRST FLOOR FRAMING PLAN		●	●	●	●	●
S2-21	ROOF FRAMING					●	●
S2-22	SITE STRUCTURES		●	●	●	●	●
S3-01	TYPICAL CONCRETE SECTIONS & DETAILS		●	●	●	●	●
S3-02	TYPICAL CONCRETE SECTIONS & DETAILS			●	●	●	●
S3-10	CONCRETE SECTIONS & DETAILS					●	●
S3-11	CONCRETE SECTION AND DETAIL						●
S4-01	TYPICAL MASONRY SECTIONS & DETAILS					●	●
S5-01	TYPICAL STEEL SECTIONS & DETAILS		●	●	●	●	●
S5-02	TYPICAL STEEL SECTIONS & DETAILS		●	●	●	●	●
S5-10	STEEL SECTIONS & DETAILS			●	●	●	●
S5-11	STEEL SECTIONS & DETAILS					●	●
S6-01	BRACE ELAVATIONS				●	●	●
05 Architecture							
AD0-10	DEMOLITION SITE PLAN	●	●	●	●	●	●
AD1-10	DEMOLITION FLOOR PLAN				●	●	●
AD1-10A	DEMOLITION FLOOR PLAN - AREA A		●	●	●	●	●
AD1-10B	DEMOLITION FLOOR PLAN - AREA B		●	●	●	●	●
AD1-10C	DEMOLITION FLOOR PLAN - AREA C		●	●	●	●	●
AD1-10D	DEMOLITION FLOOR PLAN - AREA D		●	●	●	●	●
AD1-20A	DEMOLITION RCP - AREA A		●	●	●	●	●
AD1-20B	DEMOLITION RCP - AREA B		●	●	●	●	●
AD1-20C	DEMOLITION RCP - AREA C		●	●	●	●	●
AD1-20D	DEMOLITION RCP - AREA D		●	●	●	●	●
AD1-30	DEMOLITION ROOF PLAN			●	●	●	●
A0-10	SITE PLAN	●	●	●	●	●	●
A0-11	ENLARGED SITE PLANS AND DETAILS		●		●	●	●
A0-12	ENLARGED SITE PLANS AND DETAILS		●		●	●	●
A0-13	ENLARGED SITE PLANS AND DETAILS		●	●	●	●	●
A0-14	ENLARGED SITE PLANS AND DETAILS				●	●	●
A1-10	OVERALL FLOOR PLAN	●	●	●	●	●	●
A1-10A	FLOOR PLAN - AREA A	●	●	●	●	●	●
A1-10B	FLOOR PLAN - AREA B	●	●	●	●	●	●
A1-10C	FLOOR PLAN - AREA C	●	●	●	●	●	●
A1-10D	FLOOR PLAN - AREA D	●	●	●	●	●	●
A1-11	DIMENSIONAL FLOOR PLANS		●	●	●	●	●
A1-12	DIMENSIONAL FLOOR PLANS		●	●	●	●	●
A1-21A	OVERALL NEW ROOF PLAN			●	●	●	●
A1-30	OVERALL ROOF REFERENCE PLAN	●	●	●	●	●	●
A1-30B	ROOF PLAN - AREA B			●	●	●	●
R2.00	OVERALL EXISTING ROOF PLAN			●	●	●	●
A1-20	OVERALL RCP		●	●	●	●	●
A1-20A	RCP - AREA A		●	●	●	●	●
A1-20B	RCP - AREA B		●	●	●	●	●
A1-20C	RCP - AREA C		●	●	●	●	●
A1-20D	RCP - AREA D		●	●	●	●	●
A2-01	OVERALL EXTERIOR ELEVATIONS	●	●	●	●	●	●

Sheet No.	Sheet Name	Issued 3/23/2023	Issued 4/11/2023	Issued50CD	Issued95CD	Permit Review Set	Bid and Permit Set
05 Architecture							
A2-02	OVERALL EXTERIOR ELEVATIONS	●	●	●	●	●	●
A2-10	ENLARGED EXTERIOR ELEVATIONS		●		●	●	●
A2-11	ENLARGED EXTERIOR ELEVATIONS		●		●	●	●
A2-12	ENLARGED EXTERIOR ELEVATIONS		●		●	●	●
A3-01	OVERALL BUILDING SECTIONS AND INTEGRATED MOCKUP	●	●		●	●	●
A3-10	BUILDING SECTIONS - KITCHEN ADDITION		●	●	●	●	●
A3-30	WALL SECTIONS			●	●	●	●
A3-31	WALL SECTIONS		●	●	●	●	●
A4-01	ENLARGED PLANS & INTERIOR ELEVATIONS - RESTROOMS				●	●	●
A4-02	ENLARGED PLANS & INTERIOR ELEVATIONS - ADMIN. SUITE				●	●	●
A4-03	ENLARGED PLANS - STAFF BREAK ROOM AND TYPICAL CLASSROOM				●	●	●
A4-05	ENLARGED PLANS - MOP SINK, WATER FOUNTAINS, ETC.				●	●	●
A4-11	INTERIOR ELEVATIONS	●	●	●	●	●	●
A4-12	INTERIOR ELEVATIONS					●	●
A4-41	ENLARGED CANOPY PLANS AND RCPs			●	●	●	●
A4-42	ENLARGED CANOPY PLANS AND RCPs			●	●	●	●
A4-43	ENLARGED CANOPY PLANS AND RCPs			●	●	●	●
A5-11	ENLARGED SECTION DETAILS	●		●	●	●	●
A5-12	ENLARGED SECTION DETAILS	●		●	●	●	●
A5-20	EXTERIOR PLAN DETAILS			●	●	●	●
A5-21	INTERIOR PLAN DETAILS	●		●	●	●	●
A5-30	DETAILS			●	●	●	●
A5-31	DETAILS				●	●	●
A5-40	STAIR, RAMP AND ELEVATOR DETAILS				●	●	●
A5-50	FLOOR TRANSITION DETAILS				●	●	●
A5-70	METAL STUD FRAMING DETAILS				●	●	●
A5-71	PARTITION DETAILS			●	●	●	●
A5-72	GYPSUM BOARD DETAILS			●	●	●	●
A5-80	CEILING DETAILS				●	●	●
A5-91	MAILBOX DETAIL				●	●	●
A5-95	MILLWORK - RECEPTION DESK				●	●	●
A5-97	CASEWORK TYPES				●	●	●
A6-10	DOOR TYPES AND SCHEDULES			●	●	●	●
A6-20	STOREFRONT ELEVATIONS				●	●	●
A6-21	WINDOW DETAILS	●		●	●	●	●
A6-22	STOREFRONT, WINDOWS AND DOORS DETAILS			●	●	●	●
A7-00	FINISH SCHEDULES AND LEGENDS			●	●	●	●
A7-10	OVERALL FINISH FLOOR PLAN			●	●	●	●
A7-10A	FINISH FLOOR PLAN - AREA A			●	●	●	●
A7-10B	FINISH FLOOR PLAN - AREA B			●	●	●	●
A7-10C	FINISH FLOOR PLAN - AREA C			●	●	●	●
A7-60	INTERIOR PERSPECTIVES					●	●
A8-10A	LEVEL 1 - AREA A - SIGNAGE PLAN					●	●
A8-10B	LEVEL 1 - AREA B - SIGNAGE PLAN					●	●
A8-10C	LEVEL 1 - AREA C - SIGNAGE PLAN					●	●
A8-10D	LEVEL 1 - AREA D - SIGNAGE PLAN					●	●
A8-20	EXTERIOR SIGNAGE DETAILS - MARQUEE					●	●
A8-40	INTERIOR AND EXTERIOR SIGNAGE DETAILS					●	●
07 Plumbing & Fire Protection							
FX001	FIRE PROTECTION GENERAL NOTES AND LEGEND		●	●	●	●	●
FX101	FIRE PROTECTION PLAN - LEVEL 1 AREA A		●	●	●	●	●
FX102	FIRE PROTECTION PLAN - LEVEL 1 AREA B		●	●	●	●	●
FX103	FIRE PROTECTION PLAN - LEVEL 1 AREA C		●	●	●	●	●
FX104	FIRE PROTECTION PLAN - LEVEL 1 AREA D		●	●	●	●	●
P-001	PLUMBING GENERAL NOTES AND LEGEND		●	●	●	●	●
PD101	PLUMBING DEMO PLAN - LEVEL 1		●	●	●	●	●
PJ101	PLUMBING ANNOTATION PLAN - LEVEL 1 AREA A			●	●	●	●
PJ102	PLUMBING ANNOTATION PLAN - LEVEL 1 AREA B		●	●	●	●	●
PJ103	PLUMBING ANNOTATION PLAN - LEVEL 1 AREA C			●	●	●	●
PJ104	PLUMBING ANNOTATION PLAN - LEVEL 1 AREA D		●	●	●	●	●
PK101	PLUMBING UNDERSLAB PLAN		●	●	●	●	●
PP101	PLUMBING WASTE & VENT PLAN - LEVEL 1 AREA A			●	●	●	●
PP102	PLUMBING WASTE & VENT PLAN - LEVEL 1 AREA B		●	●	●	●	●
PP103	PLUMBING WASTE & VENT PLAN - LEVEL 1 AREA C			●	●	●	●
PP104	PLUMBING WASTE & VENT PLAN - LEVEL 1 AREA D		●	●	●	●	●
PS101	PLUMBING SUPPLY PLAN - LEVEL 1 AREA A			●	●	●	●
PS102	PLUMBING SUPPLY PLAN - LEVEL 1 AREA B		●	●	●	●	●
PS103	PLUMBING SUPPLY PLAN - LEVEL 1 AREA C			●	●	●	●
PS104	PLUMBING SUPPLY PLAN - LEVEL 1 AREA D		●	●	●	●	●
PZ501	PLUMBING DETAILS		●	●	●	●	●
PZ601	PLUMBING SCHEDULES			●	●	●	●
PZ701	PLUMBING DIAGRAMS				●	●	●
08 Mechanical							
M-001	MECHANICAL GENERAL NOTES AND LEGENDS		●	●	●	●	●
MD101	MECHANICAL DEMO PLAN - LEVEL 1		●	●	●	●	●
MD102	MECHANICAL DEMOLITION PLAN - ROOF					●	●
MH101	MECHANICAL HVAC PLAN - LEVEL 1 AREA A		●	●	●	●	●
MH102	MECHANICAL HVAC PLAN - LEVEL 1 AREA B		●	●	●	●	●
MH103	MECHANICAL HVAC PLAN - LEVEL 1 AREA C		●	●	●	●	●
MH104	MECHANICAL HVAC PLAN - LEVEL 1 AREA D		●	●	●	●	●
MP101	MECHANICAL HYDRONIC PIPING PLAN - LEVEL 1 AREA A		●	●			
MP103	MECHANICAL HYDRONIC PIPING PLAN - LEVEL 1 AREA C		●	●			
MP104	MECHANICAL HYDRONIC PIPING PLAN - LEVEL 1 AREA D		●	●			
MX105	MECHANICAL PLAN - ROOF		●	●	●	●	●
MZ401	MECHANICAL ENLARGED PLANS				●	●	●
MZ501	MECHANICAL DETAILS		●	●	●	●	●
MZ502	MECHANICAL DETAILS		●	●			
MZ601	MECHANICAL SCHEDULES		●	●	●	●	●
MZ602	MECHANICAL SCHEDULES		●	●	●	●	●
MZ801	MECHANICAL CONTROLS		●	●	●	●	●
MZ802	MECHANICAL CONTROLS		●	●	●	●	●

Sheet No.	Sheet Name	Issued 3/23/2023	Issued 4/11/2023	Issued50CD	Issued95CD	Permit Review Set	Bid and Permit Set
09 Electrical							
E-001	ELECTRICAL GENERAL NOTES AND LEGEND		●	●	●	●	●
E-002	ELECTRICAL DEMO SITE PLAN		●	●	●	●	●
EDL100	ELECTRICAL DEMO LIGHTING OVERALL PLAN - LEVEL 1		●	●	●	●	●
EDP100	ELECTRICAL DEMO POWER OVERALL PLAN - LEVEL 1			●	●	●	●
EDP105	ELECTRICAL DEMO POWER OVERALL PLAN - ROOF			●	●	●	●
EL100	ELECTRICAL SITE PLAN			●	●	●	●
EL101	ELECTRICAL LIGHTING PLAN - LEVEL 1 AREA A		●	●	●	●	●
EL102	ELECTRICAL LIGHTING PLAN - LEVEL 1 AREA B		●	●	●	●	●
EL103	ELECTRICAL LIGHTING PLAN - LEVEL 1 AREA C		●	●	●	●	●
EL104	ELECTRICAL LIGHTING PLAN - LEVEL 1 AREA D		●	●	●	●	●
EP101	ELECTRICAL POWER PLAN - LEVEL 1 AREA A		●	●	●	●	●
EP102	ELECTRICAL POWER PLAN - LEVEL 1 AREA B		●	●	●	●	●
EP103	ELECTRICAL POWER PLAN - LEVEL 1 AREA C		●	●	●	●	●
EP104	ELECTRICAL POWER PLAN - LEVEL 1 AREA D		●	●	●	●	●
EP105	ELECTRICAL POWER PLAN - ROOF		●	●	●	●	●
EZ401	ELECTRICAL POWER PLAN - ENLARGED KITCHEN		●	●	●	●	●
EZ501	ELECTRICAL DETAILS		●	●	●	●	●
EZ502	ELECTRICAL DETAILS			●	●	●	●
EZ601	ELECTRICAL SCHEDULES		●	●	●	●	●
EZ602	ELECTRICAL PANEL SCHEDULES			●	●	●	●
EZ701	ELECTRICAL DIAGRAMS		●	●	●	●	●
FA001	FIRE ALARM GENERAL NOTES AND LEGENDS			●	●	●	●
FA101	FIRE ALARM PLAN - LEVEL 1 AREA A		●	●	●	●	●
FA102	FIRE ALARM PLAN - LEVEL 1 AREA B		●	●	●	●	●
FA103	FIRE ALARM PLAN - LEVEL 1 AREA C		●	●	●	●	●
FA104	FIRE ALARM PLAN - LEVEL 1 AREA D		●	●	●	●	●
FA401	FIRE ALARM ENLARGED PLANS		●	●	●	●	●
FA501	FIRE ALARM DETAILS		●	●	●	●	●
10 IT / AV / Security							
TN0-00	TECHNOLOGY ABBREVIATIONS AND NOTES		●	●	●	●	●
TN0-01	TECHNOLOGY SYMBOLS AND SYSTEMS MATRIX		●	●	●	●	●
TND1-00	TECHNOLOGY DEMO FLOOR PLAN - OVERALL		●	●	●	●	●
TND1-01	TECHNOLOGY DEMO FLOOR PLAN - SECTOR A		●	●	●	●	●
TND1-02	TECHNOLOGY DEMO FLOOR PLAN - SECTOR B		●	●	●	●	●
TND1-03	TECHNOLOGY DEMO FLOOR PLAN - SECTOR C		●	●	●	●	●
TND1-04	TECHNOLOGY DEMO FLOOR PLAN -SECTOR D				●	●	●
TN0-02	TECHNOLOGY SITE PLAN		●	●	●	●	●
TN1-00	TECHNOLOGY FLOOR PLAN - OVERALL		●	●	●	●	●
TN1-11	TECHNOLOGY FLOOR PLAN - SECTOR A		●	●	●	●	●
TN1-12	TECHNOLOGY FLOOR PLAN - SECTOR B		●	●	●	●	●
TN1-13	TECHNOLOGY FLOOR PLAN - SECTOR C		●	●	●	●	●
TN1-14	TECHNOLOGY FLOOR PLAN - SECTOR D			●	●	●	●
TN4-01	TECHNOLOGY ENLARGED PLAN		●	●	●	●	●
TN5-00	TECHNOLOGY DETAILS		●	●	●	●	●
TN5-01	TECHNOLOGY DOOR DETAILS			●	●	●	●
TN5-02	TECHNOLOGY CAMERA DETAILS		●	●	●	●	●
TN5-03	TECHNOLOGY SCHEDULES			●	●	●	●
11 Food Service							
QF0	FS GENERAL COORDINATION NOTES			●	●	●	●
QF1.0	FS EQUIPMENT PLAN		●	●	●	●	●
QF1.1	FS FACILITY MODEL			●	●	●	●
QF1.2	FS EQUIPMENT MODEL			●	●	●	●
QF1.3	FS SPECIAL CONDITIONS & MECHANICAL PLAN			●	●	●	●
QF1.4	FS PLUMBING PLAN			●	●	●	●
QF1.5	FS ELECTRICAL PLAN			●	●	●	●
QF1.6	FS EXHAUST HOODS			●	●	●	●
QF1.7	FS CONDENSING UNITS			●	●	●	●
QF1.8	FS ELEVATIONS				●	●	●
QF1.9	FS SECTIONS & DETAILS				●	●	●
QF1.9.1	FS DETAILS				●	●	●
QF1.9.2	FS DETAILS				●	●	●

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

Interim Review
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02.22.2026

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SHEET INDEX

G0-01

SCALE:

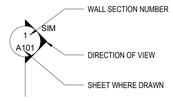
Project Name: ORG. #235 BAES Date:10/18/2024

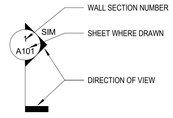
STANDARD ABBREVIATIONS

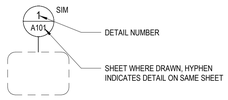
A	
AC	AIR CONDITIONING
ACP	ACOUSTIC CEILING PANEL
ACT	ACOUSTIC CEILING TILE
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
ADJ	ADJACENT
AFG	ABOVE FINISH GRADE
AFS	ABOVE FINISH SLAB
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECT(URAL)
ASPH	ASPHALT
AVG	AVERAGE
B	
BD	BOARD
BLDG	BUILDING
C	
	CERAMIC TILE
CL	CENTER LINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
COL	COLUMN
CONF	CONFERENCE
CPT	CARPET
CSWK	CASEWORK
D	
D	DEPTH
DEMO	DEMOLISH
DEPT	DEPARTMENT
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DWGS	DRAWINGS
E	
EA	EACH
EQ	EQUAL
EST	ESTIMATE(D)
EXP	EXPANSION
EXP JT	EXPANSION JOINT
EXT	EXTERIOR
F	
F/F	FACE TO FACE
FA	FIRE ALARM
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FURN	FURNITURE
FXTR	FIXTURE
G	
GC	GENERAL CONTRACTOR
GFRG	GLASS FIBER REINFORCED GYPSUM
GL	GLASS
GLZ	GLAZING
GR	GRADE OR GRADING
GVL	GRAVEL
GYP	GYPSUM
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTER
H	
HM	HOLLOW METAL
HNDRL	HANDRAIL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HVAC	HEATING-VENTILATION-AIR CONDITIONING
I	
IN	INCH
INT	INTERIOR
INV	INVERT
J	
JST	JOIST
JT	JOINT
K	
KIT	KITCHEN
KS	KNEE SPACE
L	
L	LENGTH, LONG
LAB	LABRATORY
LAM	LAMINATE, LAMINATION
LED	LIGHT EMITTING DIODE
M	
MACH	MACHINE
MANUF	MANUFACTURER
MATL	MATERIAL
MAX	MAXIMUM
MED	MEDIUM
MFR	MANUFACTURER
MILL WK	MILLWORK
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
N	
NA	NOT APPLICABLE
NIS	NOT IN SCOPE
NO	NUMBER
NTS	NOT TO SCALE
O	
OA	OVERALL
OC	ON CENTER
OFCI	OWNER FURNISHED-CONTRACTOR INSTALLED
OPP	OPPOSITE
P	
PLAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PNL BD	PANEL BOARD
PREFAB	PREFABRICATED
PROJ	PROJECT
PROP	PROPERTY
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
PVG	PAVING
PVMT	PAVEMENT
Q	
QT	QUARRY TILE
QTR	QUARTER
QTY	QUANTITY
R	
R	RISER
RCP	REFLECTED CEILING PLAN
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCE(D) (ING) (MENT)
REQD	REQUIRED
REV	REVSION
RH	RIGHT HAND
RM	ROOM
S	
S.S.	STAINLESS STEEL
SCHED	SCHEDULE(D)
SD	STORM DRAIN
SHT	SHEET, SHEETING
SHV	SHELVES, SHELVING
SHWR	SHOWER
SIM	SIMILAR
SK	SINK
SP	SPACE, SPACED, SPACING
SPEC	SPECIFICATION
SQ	SQUARE
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SUSP CLG	SUSPENDED CEILING
T	
T&B	TOP AND BOTTOM
TC	TOP OF CONCRETE, TOP OF CURB
TD	TRENCH DRAIN
TEMP	TEMPORARY
THK	THICK, THICKNESS
TOR	TOP OF RAILING
TOW	TOP OF WALL
TP	TOP OF PAVEMENT
TV	TELEVISION
TYP	TYPICAL
U	
UNO	UNLESS NOTED OTHERWISE
UTIL	UTILITY
V	
VAC	VACUUM
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VOL	VOLUME
VWC	VINYL WALL COVERING
W	
W/	WITH
W/O	WITHOUT
W/W	WALL TO WALL
WC	WATER CLOSET OR WALL COVERING
Y	
YD	YARD

Note: All abbreviations may not be used.

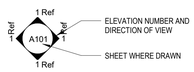
STANDARD SYMBOLS

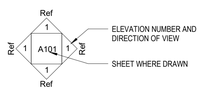
BUILDING SECTION


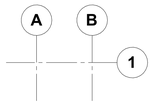
WALL SECTION


DETAIL REFERENCE


SECTION DETAIL REFERENCE

INTERIOR ELEVATION REFERENCE


EXTERIOR ELEVATION REFERENCE


GRID LAYOUT


GRID LINE

BENCHMARK

SHEET SPECIFIC NOTE

KEYNOTE

REVISION CLOUD

DOOR EGRESS

ROOM TAG

DOOR TAG

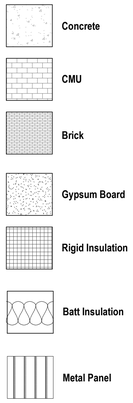
WINDOW TAG

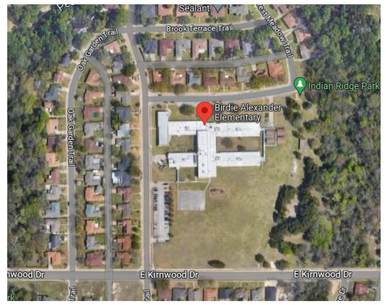
PARTITION TYPE

MATERIAL TAG

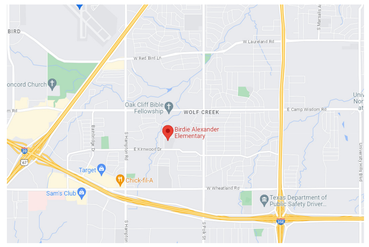
CENERLINE

MATERIAL LEGEND





Aerial View



Map View

B4 Project Location
SCALE: 1/2" = 1'-0"

GENERAL SHEET NOTES

General Notes to Project

A. Do not scale drawings. Use figure dimensions only. If a conflict is noted or a dimension is unclear, request written confirmation/clarification from the Architect prior to proceeding.

B. These drawings are based on existing drawings provided by the Owner. Bidders/Contractors shall verify existing building conditions and dimensions in the field and notify the Architect of any discrepancies in writing prior to bidding/erection.

C. Field verify all dimensions and existing conditions before proceeding with the work.

D. The notes "No Work in This Area", "Not in Contract" and/or "Not in Scope" are general statements. Some MEP work, architectural work, and/or other systems work may be required in these areas to complete a system to operational status. In these cases, Work required in the applicable areas shall be included in the Work.

E. Maintain existing fire resistance rating including walls, firestops, shaft enclosures, partitions, smoke barriers, floors, fire-resistive coatings and sprayed fire-resistant materials applied to structural members and fire-resistant joint systems. Such elements shall be properly repaired, restored, or replaced when damaged, altered, breached, or penetrated. Openings made therein for the passage of pipes, electrical conduit, wires, ducts, air transfer openings and holes made for any reason shall be protected with approved methods capable of resisting the passage of smoke and fire.

F. Keynotes and detail indicators shall apply typically to all like conditions on the drawings, whether or not "Typ." or "Typical" is indicated.

G. Provide blocking in walls per manufacturer's written recommendations for all wall mounted items.

H. Provide blocking in gypsum board walls and doorknob / lever impact locations.

I. Coordinate installation of Owner/vendor installed equipment.

J. During bid process, all discrepancies, omissions, or errors that occur shall be brought to the attention of the Architect, in writing, prior to submission of bids so that written clarification may be issued. If written clarification is not issued, include the most stringent option in the bid.

SHEET NOTES

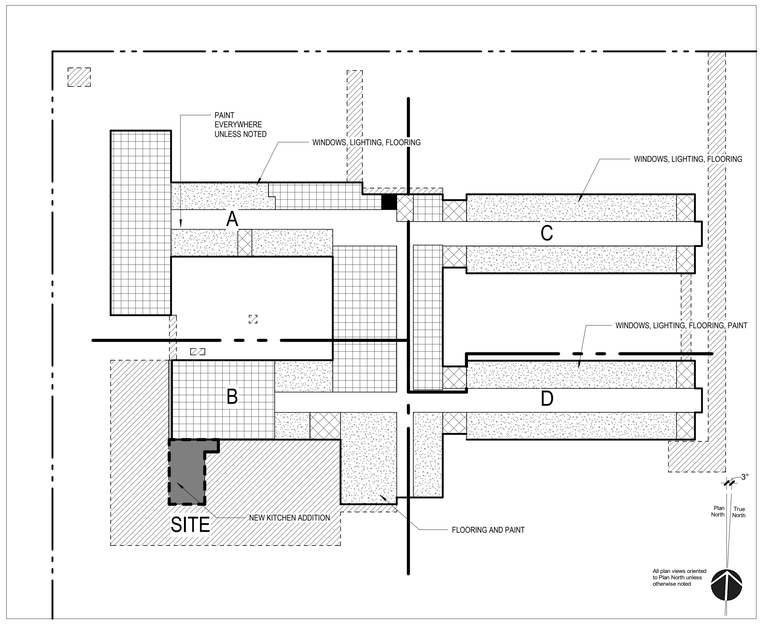
A: REPLACE WINDOWS, INTERIOR ARCHITECTURE

B: REPLACE WINDOWS, INTERIOR ARCHITECTURE, BLDG ADDITION

C: REPLACE WINDOWS, INTERIOR ARCHITECTURE

D: REPLACE WINDOWS

SITE: REPLACE WALKWAYS, ADD WALKWAY CANOPIES, REPLACE MARQUEE SIGN, REPAIR SOFFITS, RECONFIGURE LOADING DOCK FOR KITCHEN ADDITION AND ADDING FIRE LANE



LEGEND

- SITE WORK
- INTERIOR ARCHITECTURE
- BUILDING ADDITION
- NO INTERIOR SCOPE
- FINISH REPLACEMENT

NOTE:

1. Interior light fixtures are to be placed (1 for 1), unless the plans are calling otherwise.
2. "Interior Architecture" refers to finish upgrades (paint, flooring, etc.) with more extensive renovations noted in the plans u.n.o.
3. Other exterior work not noted on this plan are exterior lighting replacement, modification to the existing fencing, walkway canopies, fire lane and marquee sign placement.

PROJECT SCOPE SUMMARY NTS

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
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Contact: Sherri Myers
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GENERAL INFORMATION

G0-02

SCALE: As indicated

Project Information

Name of Project :	Birdie Alexander Elementary School
Building/Facility Name :	Birdie Alexander Elementary School
Location/Address :	1830 Goldwood Dr, Dallas, TX 75232
Description of Project :	Renovation and Addition to existing Elementary School. Site Renovations will include walkway modifications, new staff parking, new fire lane, new plantings and new Canopy to the south Entry.
Applicable Building Codes :	2021 IEBC - Alteration Level 2
Overall Type of Construction :	Type II B
Mixed Type of Construction :	No
Primary Occupancy Type :	(E) Education
Overall Use of Building :	(E) Education
High Rise Building :	No
Height in Stories/Feet :	1 Story/25' 1 1/2"
Automatic Fire Sprinkler System :	Yes
Type of Automatic Fire Sprinkler System :	NFPA 13
First Floor Area :	60790 sqft
Total Gross Floor Area :	62399 sqft
Basic Allowable Area Per Area :	XXXX sqft
Max. Number of Stories Allowed :	x Stories
First Floor New Addition	1609 sq ft

INCIDENTAL USE (SECTION 3021.1)

Incidental Use or Secondary Use (Less than 10% of floor area, no seperation required)	Incidental Use (Storage rooms over 100 sqft)
Required Seperation per IBC Table 302.1.1	0 (Automatic fire extinguishing system provided)

FIRE RESISTIVE REQUIREMENTS (IBC TABL...

Type of Construction	Type II B
BEARING WALLS/PARTITIONS	
Exterior Bearing Walls	0
Interior Bearing Walls	0
NONBEARING WALLS/PARTITIONS	
Exterior	0
Interior	0
Structural Frame (Including columns, girders, trusses)	0
Shaft Enclosures	0
Floor Construction (Including supporting beams, joists)	0
Roof Construction (Including supporting beams, joists)	0
Additional Fire Resistive Requirements, Vertical Exit Enclosures (IBC Sect. 1019)	0
Corridors (IBC Sect. 1016.1)	0 (W/ Sprinkler System)
Elevators (IBC Sect. 707.14/707.4)	1 HR
Elevator Machine Rooms (IBC Sect. 3006.4)	1 HR

AREA MODIFICATION (SECTION 506)

Basic Alowable Tabular Area per Floor in Accordance With the Type of Construction & Occupancy Group. (Table 503)	At=	14,500 sqft
Value for the Area Increase for Sprinklers (Section 506.3 CoH rev)	Is=	2
Frontage Increase (Section 506.2)	If=	1.018
Public Way Frontage	F=	Existing / N/A
Perimeter	P=	XXXX sqft
Maximum Allowable Area Per Floor (Including Sprinkler Increase)	As=	XXXX sqft

INTERIOR FINISH FLAME SPREAD (TABLE 803.5)

Occupancy Type E
Class B: Flame Spread 26-75; Smoke Developed 0-450

EGRESS WIDTH CALCULATIONS (IBC TABLE 1005.1)

Occupancy	Without Sprinkler System		With Sprinkler System	
	STAIRWAYS Inches per Occupant	OTHER EGRESS COMPONENTS Inches per Occupant	STAIRWAYS Inches per Occupant	OTHER EGRESS COMPONENTS Inches per Occupant
Occupancies Other Than Those Listed	0.3	0.2	0.3 (CoH)	0.2 (CoH)
Hazardous: H-1, H-2, H-3, and H-4	0.7	0.4	0.3	0.2
Institutional: I-2	N/A	N/A	0.3	0.2

MEANS OF EGRESS - OCCUPANT LOAD (IBC TABLE 1004.1.2)

Level	Name	Room Number	Occupancy	Area	Occupant Load	Occupant Count	Comments
Ex. Level 1	CAFETERIA	150	Assembly Group A	3,092 SF	15	207	NEW
Ex. Level 1	RECEPTION	101	Business Group B	269 SF	150	2	NEW
Ex. Level 1	CRC	101A	Business Group B	125 SF	150	1	NEW
Ex. Level 1	OFFICE MGR	101B	Business Group B	126 SF	150	1	NEW
Ex. Level 1	VAULT / CL	101C	Business Group B	28 SF	150	1	NEW
Ex. Level 1	FLEX / WORK ROOM	102	Business Group B	157 SF	150	2	NEW
Ex. Level 1	PRINCIPAL	102A	Business Group B	179 SF	150	2	NEW
Ex. Level 1	CONFERENCE ROOM	104	Business Group B	333 SF	150	3	NEW
Ex. Level 1	RESTROOM	104A	Educational Group E	57 SF	20	3	NEW
Ex. Level 1	STORAGE	121	Educational Group E	69 SF	20	4	NEW
Ex. Level 1	STAFF BREAK RM	122	Educational Group E	285 SF	20	15	NEW
Ex. Level 1	RESTROOM	122A	Educational Group E	43 SF	20	3	NEW
Ex. Level 1	BOOK STORAGE	140	Educational Group E	635 SF	20	32	NEW
Ex. Level 1	MEDIA	141	Educational Group E	1,561 SF	15	105	NEW
Ex. Level 1	W/D UTILITY	143	Educational Group E	265 SF	20	14	NEW
Ex. Level 1	LOCKER ROOM	150G	Educational Group E	42 SF	20	3	NEW
Ex. Level 1	PAPER STORAGE	150A	Kitchen	145 SF	200	1	NEW
Ex. Level 1	KITCHEN	150B	Kitchen	988 SF	200	5	NEW
Ex. Level 1	KITCHEN PREP	150C	Kitchen	653 SF	200	4	NEW
Ex. Level 1	DRY STORAGE STORAGE	150E	Kitchen	223 SF	200	2	NEW
Ex. Level 1	OFFICE	150F	Kitchen	83 SF	200	1	NEW
Ex. Level 1	RESTROOM	150H	Kitchen	58 SF	200	1	NEW
Ex. Level 1: 22				9,417 SF		412	

GENERAL SHEET NOTES

General Life Safety Plan Notes

XX

F.E.

A. Life Safety Floor Plan
Occupancy Group ['X]' [spell out the group], [with/without] sprinkler system: per IBC 20[xx], table [xxxx]
Maximum exit travel distance = [xxx] feet

B. Travel distance

C. [xx] total fire extinguisher locations, w/ a maximum of 150' between locations (occupants may be no more than 75' distance from an extinguisher).

D. Refer to A0-20 for Code Analysis

KEYNOTES

SHEET NOTES

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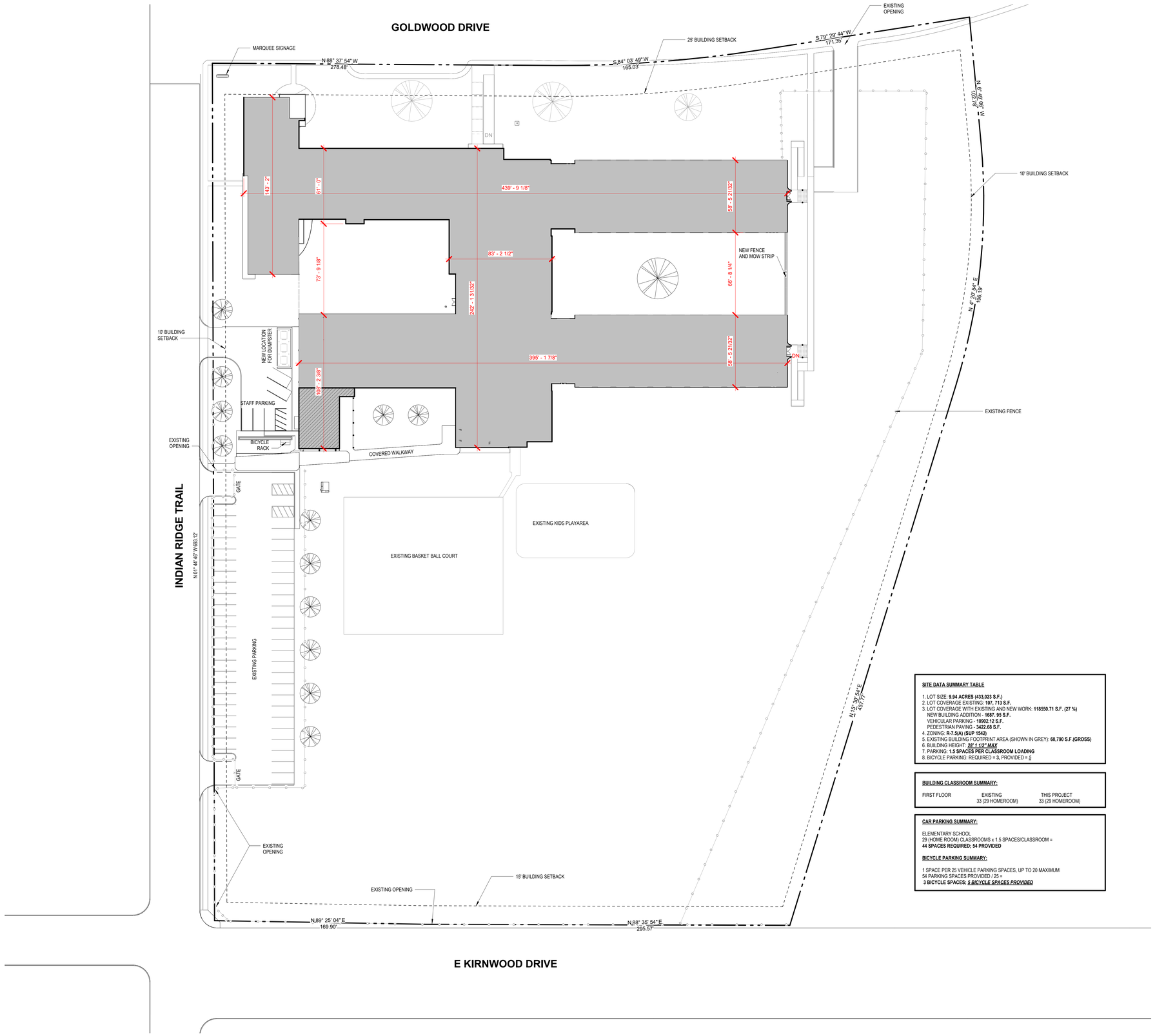
CODE ANALYSIS

G0-03

SCALE: 12" = 1'-0"

Project Name: ORG. #235 BAES Date:10/18/2024



SITE DATA SUMMARY TABLE

1. LOT SIZE: **9.94 ACRES (433,023 S.F.)**
2. LOT COVERAGE EXISTING: **107, 713 S.F.**
3. LOT COVERAGE WITH EXISTING AND NEW WORK: **118550.71 S.F. (27 %)**
   NEW BUILDING ADDITION - **1687. 95 S.F.**
   VEHICULAR PARKING - **10902.12 S.F.**
   PEDESTRIAN PAVING - **3422.68 S.F.**
4. ZONING: **R-7.5(A) (SUP 1542)**
5. EXISTING BUILDING FOOTPRINT AREA (SHOWN IN GREY): **60,790 S.F.(GROSS)**
6. BUILDING HEIGHT: ***28' 1 1/2" MAX***
7. PARKING: **1.5 SPACES PER CLASSROOM LOADING**
8. BICYCLE PARKING: REQUIRED = **3**, PROVIDED = ***5***

BUILDING CLASSROOM SUMMARY:

FIRST FLOOR	EXISTING	THIS PROJECT
	33 (29 HOMEROOM)	33 (29 HOMEROOM)

CAR PARKING SUMMARY:

ELEMENTARY SCHOOL
29 (HOME ROOM) CLASSROOMS x 1.5 SPACES/CLASSROOM =
44 SPACES REQUIRED; 54 PROVIDED

BICYCLE PARKING SUMMARY:

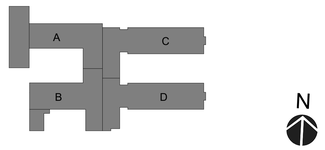
1 SPACE PER 25 VEHICLE PARKING SPACES, UP TO 20 MAXIMUM
54 PARKING SPACES PROVIDED / 25 =
3 BICYCLE SPACES; *5 BICYCLE SPACES PROVIDED*

GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

KEY PLAN



Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

Interim Review
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02.22.2026

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PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
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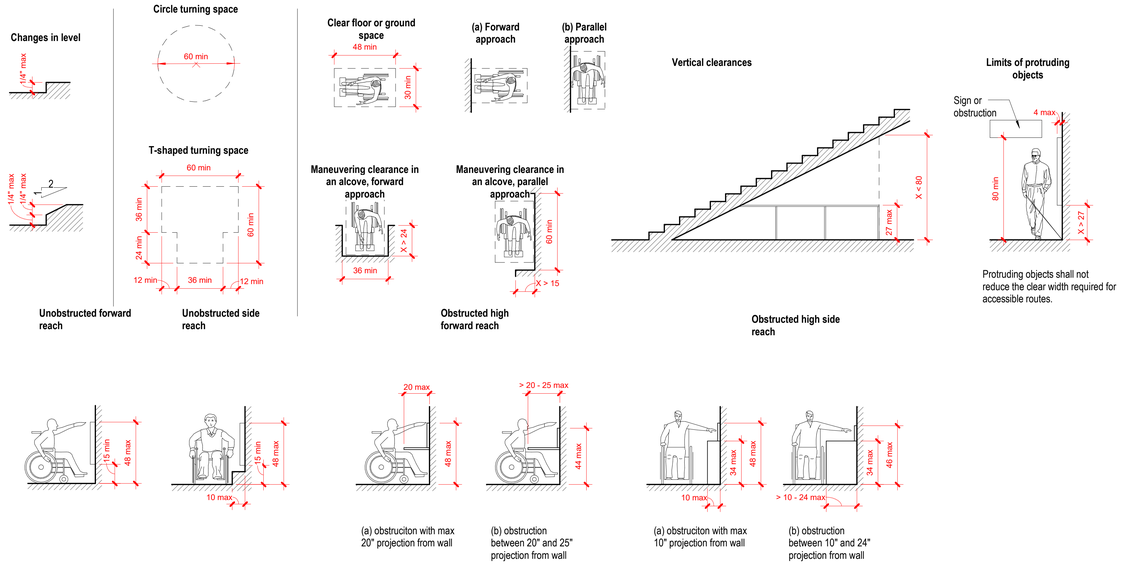
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

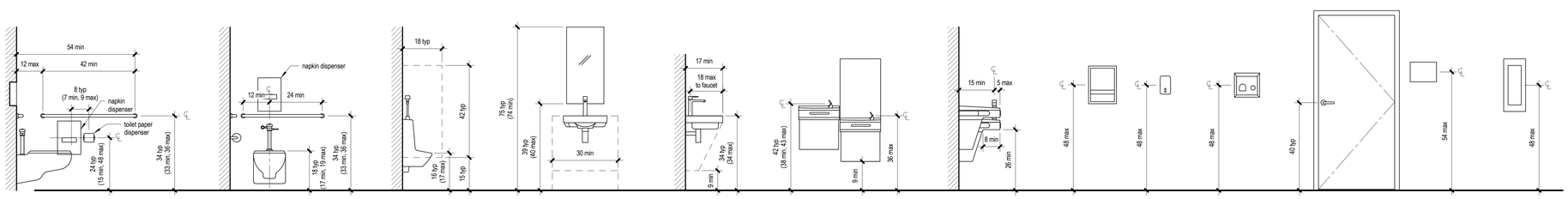
SITE DATA

G0-03A

SCALE: As indicated



ADA CHANGES IN LEVEL, TURNING SPACE, & CLEAR FLOOR AREA



ADA MOUNTING HEIGHTS

Bid and Permit

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ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

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Foodservice Design Professionals
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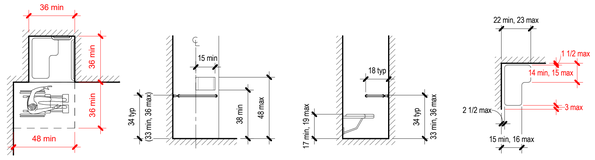
CLEARANCES AND MOUNTING HEIGHTS

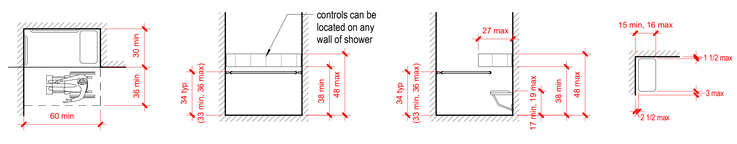
G0-04

SCALE: As indicated

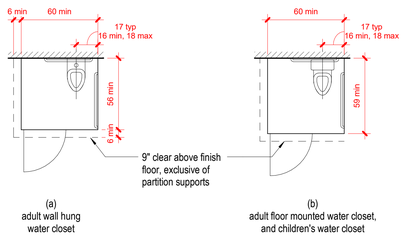
Transfer shower compartment



Standard roll-in shower compartment



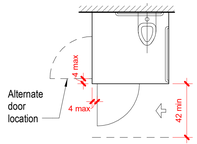
Wheelchair accessible toilet compartments



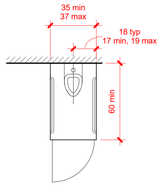
(a)
adult wall hung water closet

(b)
adult floor mounted water closet, and children's water closet

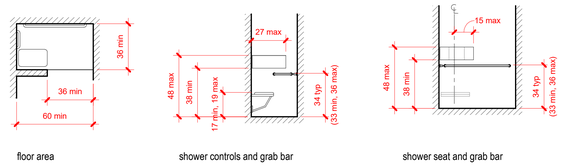
Wheelchair accessible toilet compartment doors



Ambulatory accessible toilet compartments



Alternate roll-in shower compartment



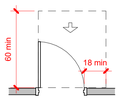
WATER CLOSETS SERVING CHILDREN AGES 3-12

Element	Ages 3 & 4	Ages 5 - 8	Ages 9 - 12
Water Closet Centerline	12 inches	12-15 inches	15-18 inches
Toilet Seat Height	11-12 inches	12-15 inches	15-17 inches
Grab Bar Height	18-20 inches	20-25 inches	25-27 inches
Dispenser Height	14 inches	14-17 inches	17-19 inches

ADA TOILET & SHOWER COMPARTMENT CLEARANCES

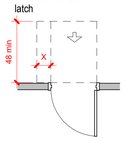
SCALE: 1/4" = 1'-0"

Front approach, pull side



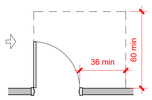
(a)

Front approach, NOTE: x = 12 in if door has both a closer and a latch



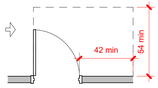
(b) / (c)

Hinge approach, pull side



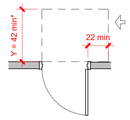
(d)

Hinge approach, pull side



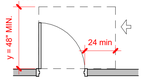
(e)

Hinge approach, push side * NOTE: Y = 48" minimum if door has both a closer and a latch



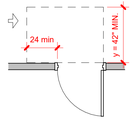
(g) / (f)

Latch approach, pull side NOTE: y = 54 in minimum if door has a closer



(h) / (i)

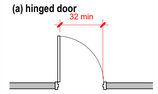
Latch approach, push side 8 in minimum if door has a closer



(j) / (k)

Maneuvering Clearances at Manual Swinging Doors and Gates

(a) hinged door

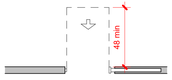


(b) sliding door

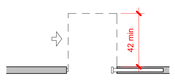
(c) folding door

Clear Openings Requirements

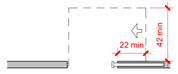
(a) Front approach



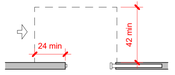
(a) Side approach



(c) Pocket or hing approach

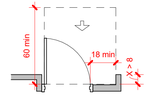


(d) Stop or latch approach

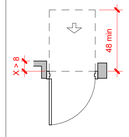


Maneuvering Clearances at Doorways Without Doors, Sliding Doors, Gates and Folding doors

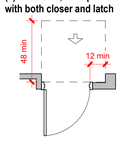
(a) Pull side



(b) Push side

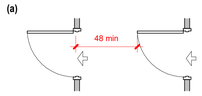


(c) Push side, door provided with both closer and latch

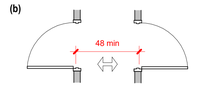


Maneuvering Clearances at Recessed Doors and Gates

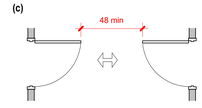
(a)



(b)



(c)



Doors in Series and Gates in Series

NOTE:
All openings to have a minimum unobstructed clear height of 80"

ADA DOOR APPROACH CLEARANCES

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CLEARANCES AND MOUNTING HEIGHTS

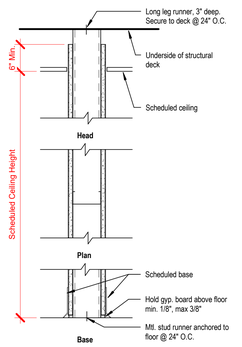
G0-05

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

Project Name: ORG. #235 BAES Date:10/18/2024

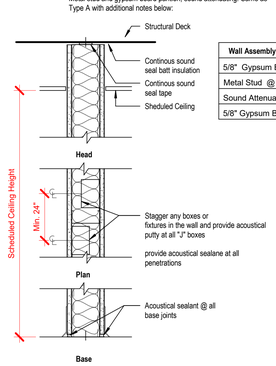
Type A

Metal stud and gypsum board partition



Type A.S - Sound Attenuating

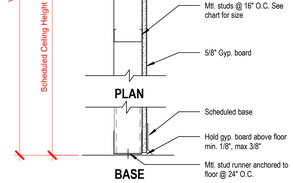
Metal stud and gypsum board partion, sound attenuating. Same as Type A with additional notes below:



Wall Assembly (left to right)
5/8" Gypsum Board (Type "X" As Scheduled)
Metal Stud @ 16" O.C. (As Scheduled)
Sound Attenuation Batts (As Scheduled)
5/8" Gypsum Board (Type "X" As Scheduled)

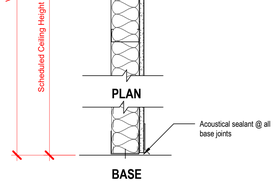
Partition type	Stud size	Total thickness	SAB thickness	STC rating	Extends to Deck
A3	3 5/8"	4 7/8"	--	--	No
A3.S2	3 5/8"	4 7/8"	3 1/2"	45	Yes
A3.S3	3 5/8"	4 7/8"	3 1/2"	50	Yes
A4	4"	5 1/4"	--	--	No
A6	6"	7 1/4"	--	--	No
A6.S2	6"	7 1/4"	2 1/2"	47	Yes
A6.S3	6"	7 1/4"	3 1/2"	50	Yes

TYPE "E"



TYPE "E.S" - Sound Attenuating

SAME AS TYPE "E" WITH ADDITION OF NOTES BELOW:



PARTITION TYPE	STUD SIZE	PART THICKNESS	STC
E2 OR E2.S	2 1/2"	3 1/8"	-- / 45
E OR E.S	3 5/8"	4 1/4"	40 / 49
E6 OR E6.S	6"	6 5/8"	-- / --

DRYWALL METAL STUD PARTITION

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F	02/06/2026	Bid and Permit Set

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

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Structural:
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T: 214-625-5803

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MEPCE
Contact: Hunter Harris
T: 972-878-7648

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TLC Engineering
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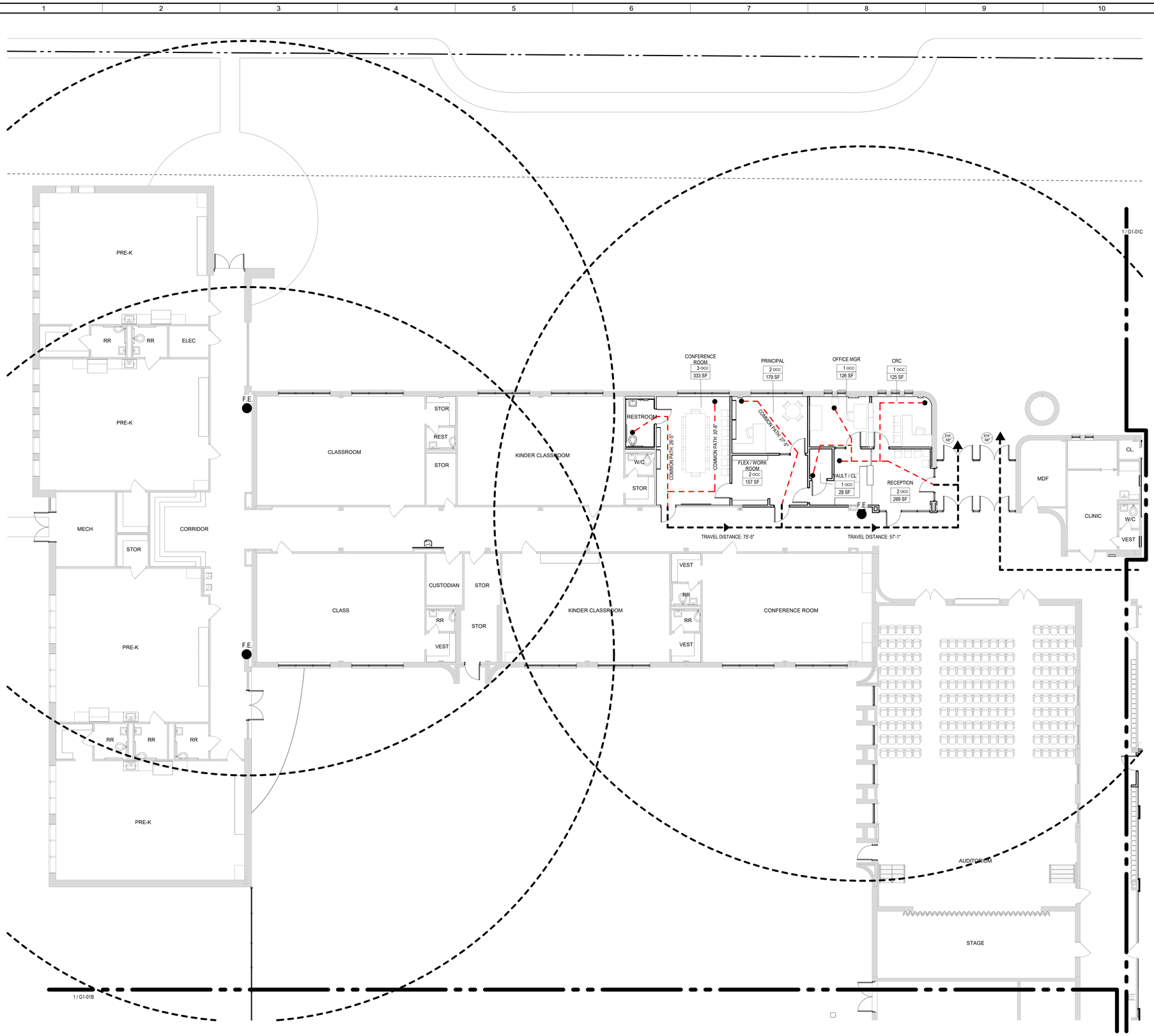
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

UL ASSEMBLIES AND PARTITION TYPES

G0-06

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



LEVEL 1 - AREA A - LIFE SAFETY PLAN | 1/8" = 1'-0" | 1

GENERAL SHEET NOTES

Life Safety Floor Plan
Occupancy Group 'E' Educational, with sprinkler system:

A: IBC 2021 - Table 1006.2.1 Spaces with one Exit
Maximum occupant load of space = 49
Maximum Common Path of Egress Travel Distance: 75 feet

B: IBC 2021 - Table 1017.2: Exit Access Travel Distance With Sprinkler System = 250 feet maximum

C. 1 total fire extinguisher locations added, w/ a maximum of 150' between locations (occupants may be no more than 75' distance from an extinguisher).

D. Refer to G0-02 for Code Analysis

XX' ●

KEYNOTES

SHEET NOTES

F.E. ● FIRE EXTINGUISHER

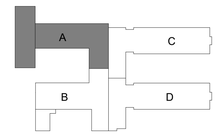
EW 68" EXIT WIDTH

EXIT EXIT SIGN LOCATION

Room Name → Name
Occ. Load → 20 OCC
Area → 95000
ROOM TAG

EW 68" EXIT WIDTH TAG

KEY PLAN



N

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
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Interim Review
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IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

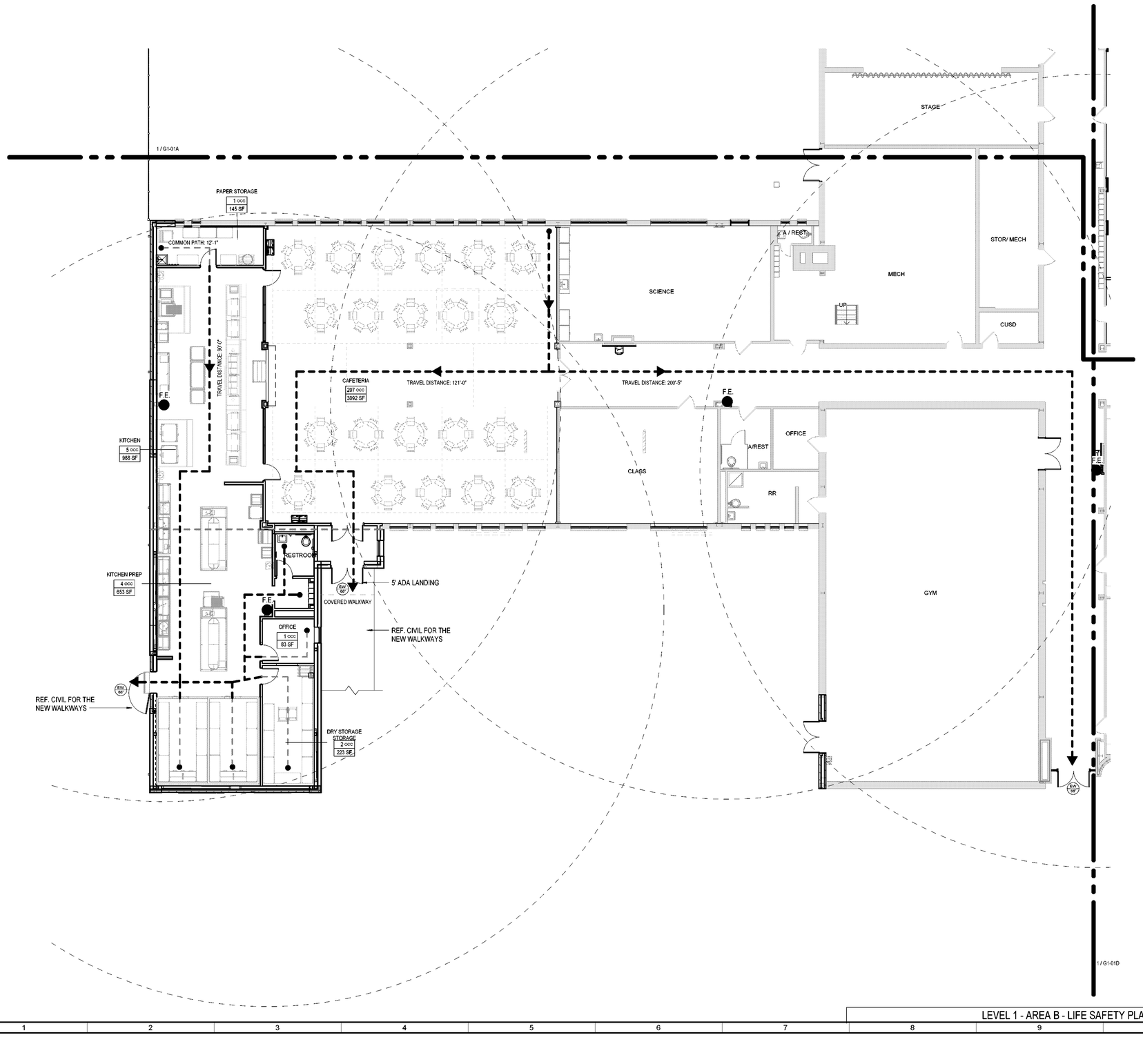
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

LIFE SAFETY PLAN - AREA A- 1ST FLOOR

G1-01A

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



LEVEL 1 - AREA B - LIFE SAFETY PLAN | 1/8" = 1'-0" | 1

GENERAL SHEET NOTES

Life Safety Floor Plan
Occupancy Group 'E' Educational, with sprinkler system:

A: IBC 2021 - Table 1006.2.1 Spaces with one Exit
Maximum occupant load of space = 49
Maximum Common Path of Egress Travel Distance: 75 feet

B: IBC 2021 - Table 1017.2: Exit Access Travel Distance With Sprinkler System = 250 feet maximum

C. 1 total fire extinguisher locations added, w/ a maximum of 150' between locations (occupants may be no more than 75' distance from an extinguisher).

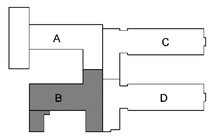
D. Refer to G0-02 for Code Analysis

KEYNOTES

SHEET NOTES

F.E. — FIRE EXTINGUISHER
EW 66" — EXIT WIDTH
EXIT — EXIT SIGN LOCATION
Room Name / Name / Occ. Load: 20 occ / 95000 / Area — ROOM TAG
EW 66" — EXIT WIDTH TAG

KEY PLAN



N

Bid and Permit

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ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St
Dallas, TX 75207
p: 713-229-0688
f: 713-229-0692
Contact: Ben Saucedo

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T: 214-625-5803

MEP:
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Contact: Hunter Harris
T: 972-878-7648

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T: 281-827-9250

IT / AV / Security:
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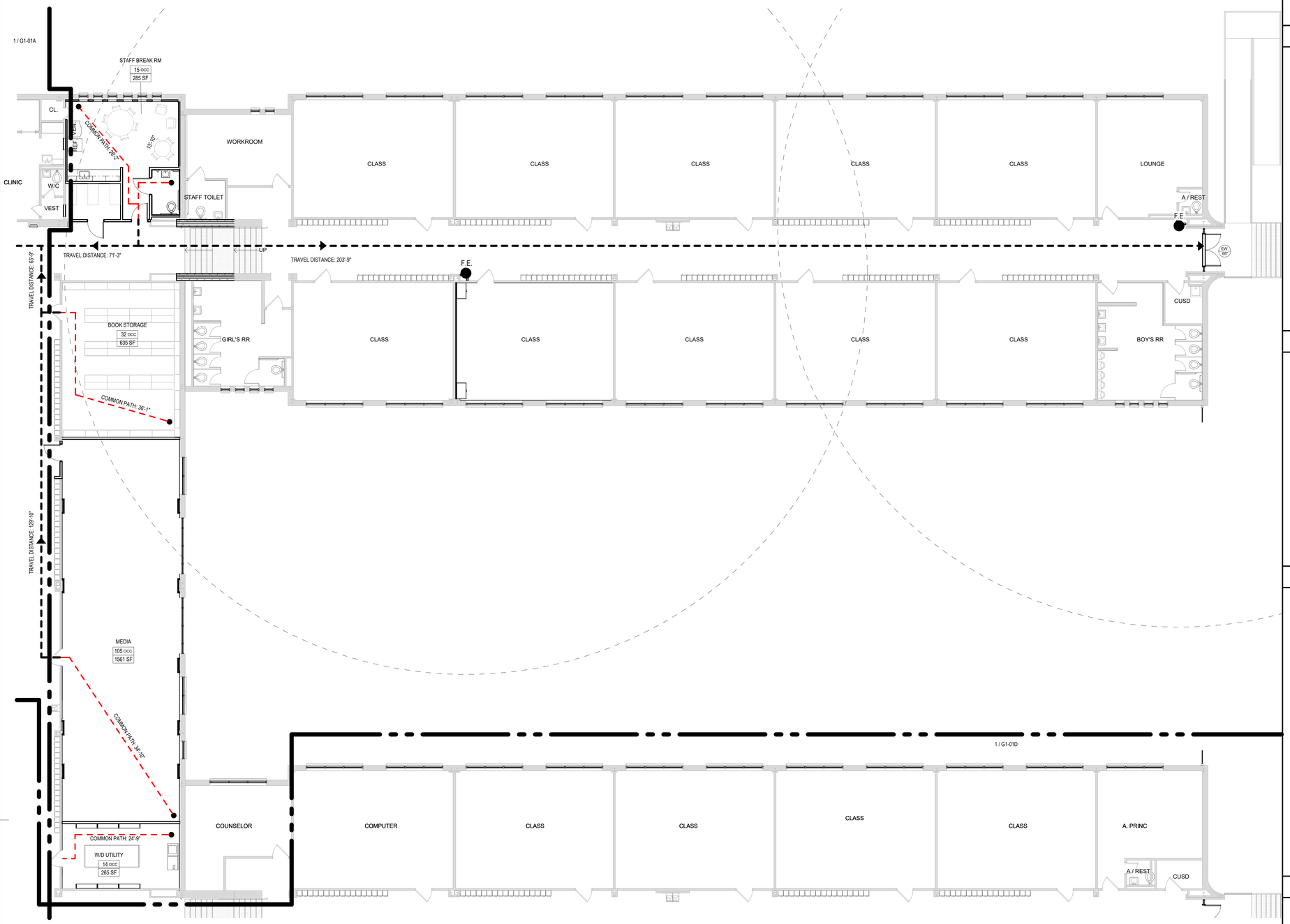
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

LIFE SAFETY PLAN - AREA B- 1ST FLOOR

G1-01B

SCALE: As indicated



LEVEL 1 - AREA C - LIFE SAFETY PLANS | 1/8" = 1'-0" | 1

GENERAL SHEET NOTES

Life Safety Floor Plan
Occupancy Group 'E' Educational, with sprinkler system:

A: IBC 2021 - Table 1006.2.1 Spaces with one Exit
Maximum occupant load of space = 49
Maximum Common Path of Egress Travel Distance: 75 feet

B: IBC 2021 - Table 1017.2: Exit Access Travel Distance With Sprinkler System = 250 feet maximum

C. 1 total fire extinguisher locations added, w/ a maximum of 150' between locations (occupants may be no more than 75' distance from an extinguisher).

D. Refer to G0-02 for Code Analysis

XX'

KEYNOTES

SHEET NOTES

F.E. — FIRE EXTINGUISHER

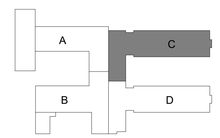
EW 68" — EXIT WIDTH

EXIT — EXIT SIGN LOCATION

Room Name / Name / Occ. Load: 20 OCC / 95000 / Area — ROOM TAG

EW 68" — EXIT WIDTH TAG

KEY PLAN



N

Bid and Permit

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1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
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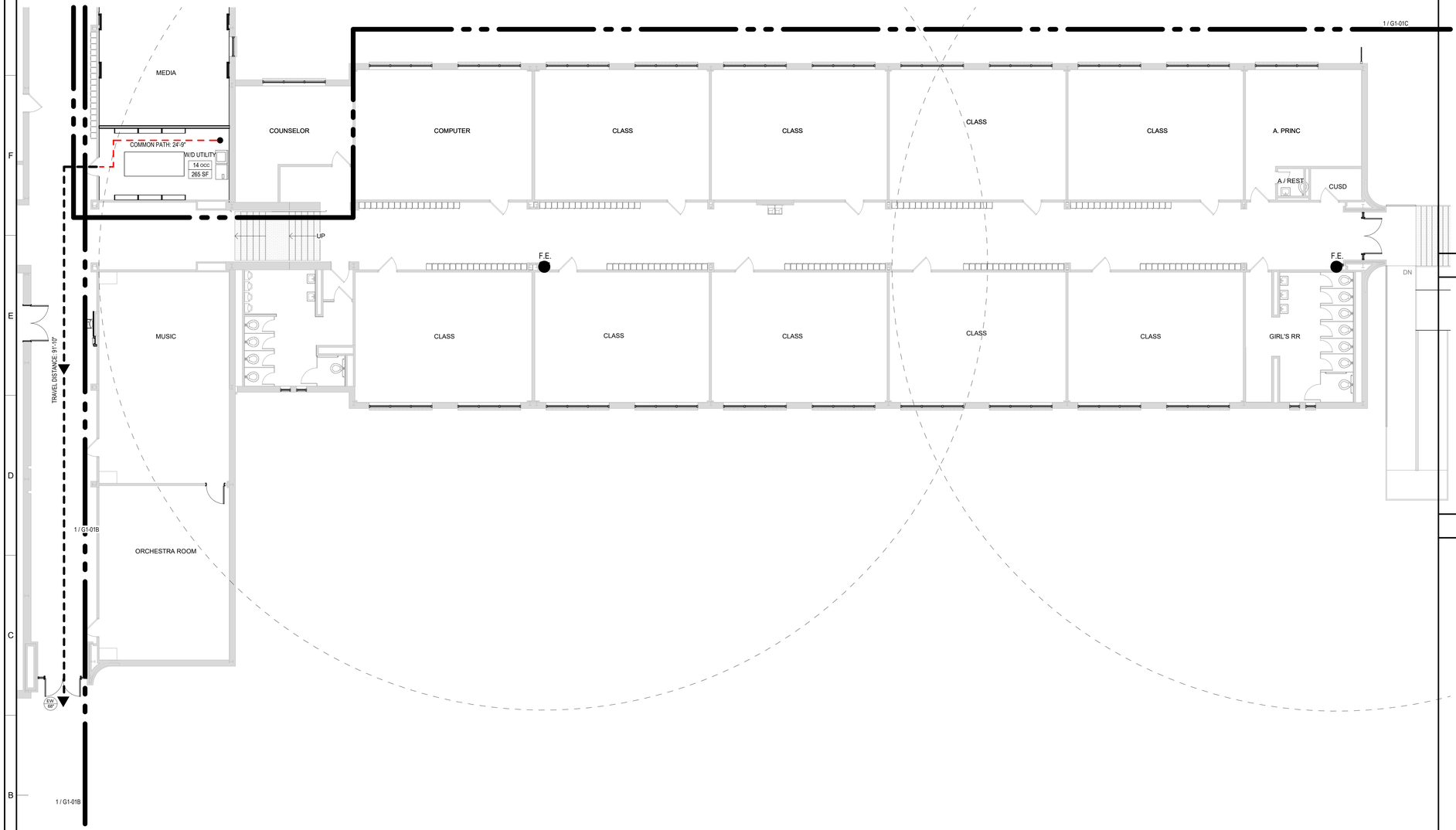
LIFE SAFETY PLAN - AREA C- 1ST FLOOR

G1-01C

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



GENERAL SHEET NOTES

Life Safety Floor Plan
Occupancy Group 'E' Educational, with sprinkler system:

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KEYNOTES

SHEET NOTES

F.E. — FIRE EXTINGUISHER

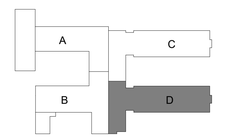
EW 68" — EXIT WIDTH

EXIT — EXIT SIGN LOCATION

Room Name / Name / Occ. Load: 20 OCC / 95000 / Area — ROOM TAG

EW 68" — EXIT WIDTH TAG

KEY PLAN



LEVEL 1 - AREA D- LIFE SAFETY PLANS | 1/8" = 1'-0" | 1

Bid and Permit

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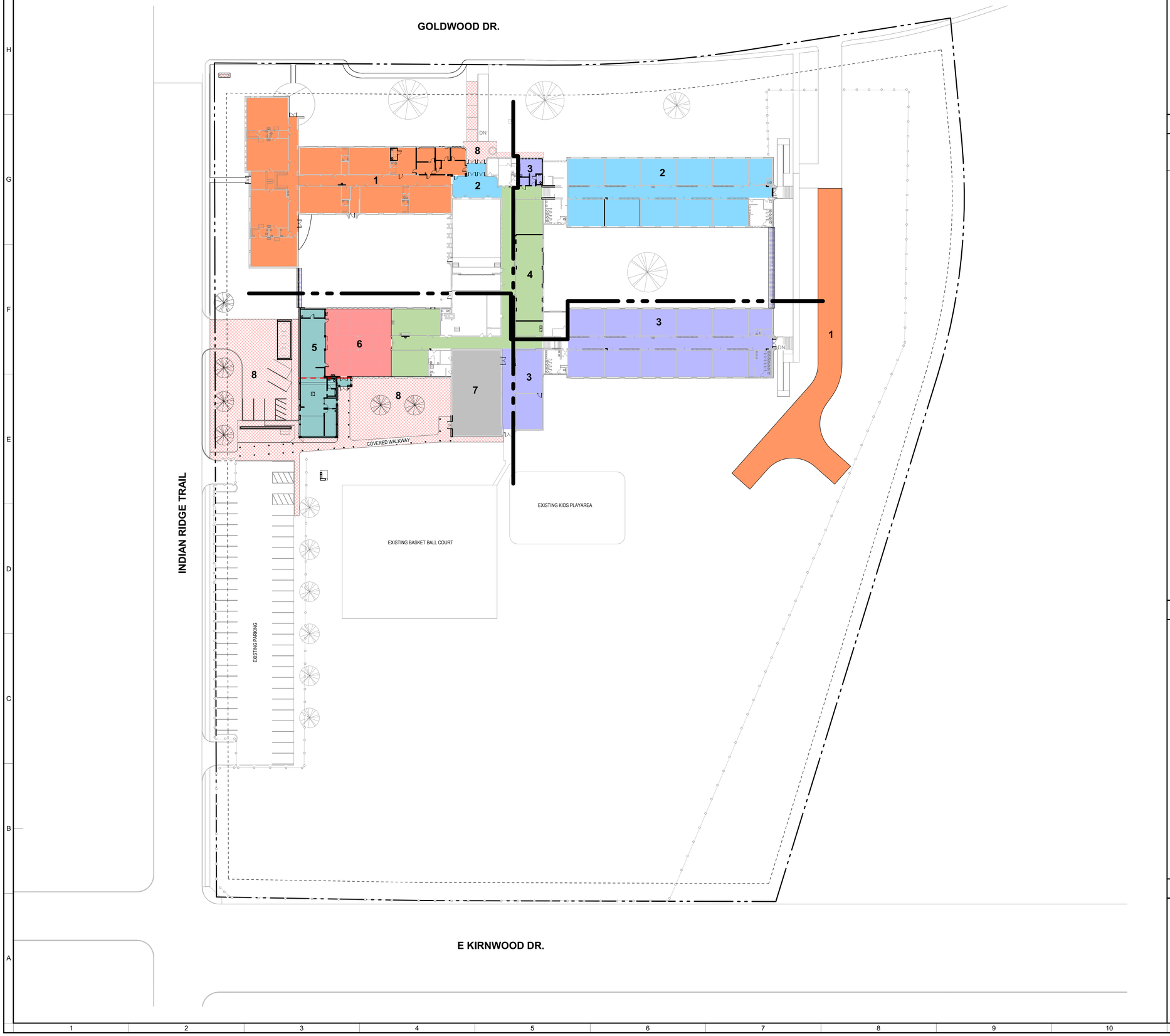
LIFE SAFETY PLAN - AREA D- 1ST FLOOR

G1-01D

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



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1830 Goldwood Drive, Dallas, TX 75232

GENERAL SHEET NOTES

PROJECT PHASING PLAN

INTERIOR PHASING

PHASE 1
-[Admin Area Remodel and Early Childhood Area refresh. PA Controls to be relocated and New lights installation and Fire Lane Addition]

PHASE 2
-[Secured Vestibule and Classroom Wing to be refreshed and new lights installation]

PHASE 3
-[New Staff Break Room and Storage , Classroom Wing Refresh with New lights installation]

PHASE 4
-[Media Center Remodel, Special Classroom Wing Refresh and Corridor Lights]

PHASE 5
-[New kitchen aaddition renovation and existing kitchen expansion]

PHASE 6
-[Dining Hall renovation]

PHASE 7
-[Gym Refresh and Remodel]

EXTERIOR PHASING

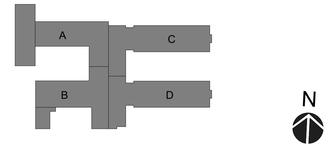
PHASE 8
-[New Vehicular Paving, and new walkway canopy at south west and Maequee Signage]

PHASE 9
-[Replacement of East Courtyard Fencing, Exterior Facade Repair Work(Soffit, Control Joints,Metal Accessory Repaint]

PHASE 10
-[Window and Storefront Replacement across campus, Facade power wash]

SHEET NOTES

KEY PLAN



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SITE PHASING PLAN

G2-01

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024

Site Plan General Notes:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY CONSTRUCTION STANDARDS AND SPECIFICATIONS. FOR ANY WORK NOT GOVERNED BY CITY DETAILS. THE LATEST EDITION OF THE STANDARDS AND SPECIFICATIONS, NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SHALL APPLY.
2. THE CONTRACTOR MUST BE FAMILIAR WITH OWNER & CITY CONSTRUCTION STANDARDS AND OTHER PROCEDURES PRIOR TO BIDDING AND CONSTRUCTION. IGNORANCE OF CONSTRUCTION SPECIFICATIONS SHALL NOT BE A BASIS FOR CHANGE ORDERS, WORK DELAYS, OR ADDITIONAL COMPENSATION.
3. ALL MATERIAL REQUIRED TO COMPLETE THE WORK AS SHOWN OR IMPLIED IN THE CONSTRUCTION PLANS AND AS SPECIFIED IN THE CONTRACT DOCUMENTS THAT ARE NOT LISTED AS A PAY ITEM IN THE PROPOSAL SHALL BE CONSIDERED SUBSIDIARY.
4. THE LOCATION, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED FROM FIELD MARKINGS, PHYSICAL APPURTENANCES AND UTILITY COMPANY RECORDS AND ARE CONSIDERED APPROXIMATE. THE ENGINEER DOES NOT CERTIFY THAT ALL UTILITIES ARE SHOWN. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS, SIZES AND DEPTHS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION BY CONTACTING TEXAS811 AND RELEVANT UTILITY COMPANIES 48 HOURS PRIOR TO LOCATING EXISTING UTILITIES OR CONSTRUCTION ACTIVITIES.
5. THE CONTRACTOR SHALL PROTECT ALL ADJACENT ON & OFF-SITE PAVING, UTILITIES, TREES AND OTHER EXISTING STRUCTURES FROM DAMAGE PRIOR TO & DURING CONSTRUCTION. ANY DAMAGE THAT OCCURS FROM CONSTRUCTION OPERATIONS SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE.
6. THE CONTRACTOR SHALL COMPLY WITH OSHA REGULATIONS AND STATE OF TEXAS LAWS CONCERNING EXCAVATION, EMISSIONS, TRENCHING, SHORING, AND SITE SAFETY.
7. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SEQUENCE TO THE ENGINEER PRIOR TO BEGINNING WORK.
8. THE CONTRACTOR SHALL PROTECT ALL PAVEMENT INCLUDING SIDEWALKS THAT ARE OUTSIDE THE LIMITS OF DISTURBANCE FROM DAMAGE ESPECIALLY AT CONSTRUCTION ENTRANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY DAMAGED PAVEMENT.
9. THE CONTRACTOR MAY REMOVE ALL FENCING WITHIN THE LIMITS OF DISTURBANCE THAT INTERFERES WITH CONSTRUCTION OPERATIONS, EXCEPT IN AREAS WHERE LIVESTOCK IS PRESENT. WHERE TEMPORARY FENCING IS REQUIRED, IT SHALL BE OF SUFFICIENT DESIGN TO KEEP LIVESTOCK PENNED. ANY LOOSE LIVESTOCK THAT RESULT FROM INADEQUATE FENCING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
10. POSITIVE DRAINAGE MUST BE MAINTAINED FOR ALL DRAINAGE SWALES, CULVERTS AND CREEKS INCLUDING INTERMITTENT STREAMS AFFECTED BY CONSTRUCTION OPERATIONS. ANY WORK NECESSARY TO DAM OR DIVERT EXISTING DRAINAGE WAYS TO COMMENCE CONSTRUCTION SHALL BE CONSIDERED SUBSIDIARY.
11. ALL EXCAVATION IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED TO INCLUDE BUT NOT BE LIMITED TO ROCK, RUBBLE, DEBRIS, TRASH, ETC. UNUSABLE EXCAVATED MATERIAL AND ALL WASTE RESULTING FROM SITE CLEARING AND GRUBBING SHALL BE DISPOSED OF OFF SITE AT THE CONTRACTOR'S EXPENSE. SPOILS MAY BE DISPOSED OF ON-SITE ONLY WITH PRIOR APPROVAL FROM THE ENGINEER AND ONLY IN LOCATIONS APPROVED BY THE ENGINEER.
12. AT SUBSTANTIAL COMPLETION, THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS, EXCESS MATERIAL, FORM-WORK, TRASH, EQUIPMENT, OR ANY OTHER SUPERFLUOUS OR WASTE MATERIAL FROM THE SITE, INCLUDING EROSION CONTROL DEVICES (SEE EROSION CONTROL AND SOIL MANAGEMENT NOTES).
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK INVOLVING FRANCHISE UTILITIES WITH UTILITY OWNERS.
14. IF A TRAFFIC CONTROL PLAN HAS NOT BEEN PROVIDED BY THE ENGINEER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL INCLUDING THE USE OF ALL TRAFFIC CONTROL DEVICES USED TO WARN MOTORISTS OF THE CONSTRUCTION ACTIVITY. ALL TRAFFIC CONTROL MUST CONFORM TO THE LATEST EDITION OF THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AS PUBLISHED BY THE TEXAS DEPARTMENT OF TRANSPORTATION.
15. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO AND THROUGHOUT CONSTRUCTION.
16. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN NEAT AND ACCURATE CONSTRUCTION RECORDS FOR THE OWNER/CITY'S USE. THE CONTRACTOR SHALL PROVIDE THE CITY & OWNER CLEAN AND ACCURATE FULL SIZE REPRODUCIBLE RECORD DRAWINGS WHICH CLEARLY DESCRIBE ALL CONSTRUCTION AND ANY DEVIATIONS FROM THE PLANS.
17. THE CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST. CONTRACTOR SHALL CONTROL DUST BY SPRINKLING WATER, OR BY OTHER MEANS THAT ARE APPROVED BY THE CITY AND ENGINEER.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CONSTRUCTION SURVEYING, QUALITY CONTROL, AND MATERIALS TESTING.
19. ALL EFFORTS SHALL BE MADE TO AVOID DAMAGE TO EXISTING TREES THAT ARE TO REMAIN. TREES SHALL BE TRIMMED AND PAINTED ONLY IF NECESSARY FOR THE SAFE MANEUVERING OF CONSTRUCTION EQUIPMENT. CONTRACTOR SHALL REQUEST APPROVAL FROM THE OWNER FOR REMOVAL OF ANY TREES. WHEN EXCAVATING AROUND A TREE, THE ROOTS SHALL BE CLEAN CUT PRIOR TO ANY EXCAVATION WORK. DO NOT SNAG AND TEAR TREE ROOTS.
20. THE CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS AND SUBMITTALS REQUIRED TO BE SUBMITTED BY THE CONTRACT SPECIFICATIONS. ANY WORK PERFORMED OR MATERIALS USED THAT ARE REQUIRED TO BE SUBMITTED BUT HAVE NOT BEEN REVIEWED AND ACCEPTED BY THE OWNER'S REPRESENTATIVE SHALL NOT BE PAID FOR OR SHALL BE PAID FOR AT A REDUCED RATE. ALL SHOP DRAWINGS AND SUBMITTALS SHALL BE PROOFREAD AND REVIEWED BY THE GENERAL CONTRACTOR FOR APPROVAL PRIOR TO SUBMITTAL TO THE ENGINEER. SUBCONTRACTOR / GENERAL CONTRACTOR SHALL CLEARLY INDICATE, MARK, HIGHLIGHT, AND PROPERLY CLARIFY PRODUCTS TO BE CONSIDERED FOR APPROVAL SUBMITTALS NOT PROOFREAD OR REVIEWED OR CLARIFIED PROPERLY SHALL BE RETURNED UNREVIEWED. CONTRACTOR SHALL RESUBMIT SHOP DRAWINGS AND ALLOW FOR SUITABLE REVIEW TIME. SUITABLE REVIEW TIME SHALL BE NO MORE TEN (10) WORKING DAYS.

Drainage Plan Notes:

1. EXISTING TOPOGRAPHIC SURVEY AND LOCATION OF PHYSICAL FEATURES WERE OBTAINED FROM A TOPOGRAPHIC SURVEY PERFORMED BY STANTEC DATED 01/18/2024.
2. THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM DATA RECORDED BY OTHERS AND THE BEST AVAILABLE RECORDS. FIELD DATA IS LIMITED TO THAT WHICH IS VISIBLE AND CAN BE MEASURED. THIS DOES NOT PRECLUDE THE EXISTENCE OF OTHER UNDERGROUND ITEMS. THE COMPLETENESS AND/OR ACCURACY OF THESE RECORDS CANNOT BE GUARANTEED, EXCEPT INSOFAR AS THEY CAN BE VERIFIED BY THE FIELD MEASUREMENT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO UNCOVER AND VERIFY THE ACTUAL DEPTH AND CONDITION OF ALL AFFECTED UNDERGROUND UTILITIES WITHIN THE AREA OF CONSTRUCTION PRIOR TO BEGINNING THE ACTUAL WORK.
3. REFER TO THE MOST RECENT GEOTECHNICAL REPORT FOR REQUIREMENTS REGARDING FILL COMPACTION AND MOISTURE CONTENT.
4. UNLESS NOTED, STORM DRAIN LINES MAY BE MADE OF THE FOLLOWING MATERIALS:
   A. PIPE SIZE SMALLER THAN 12 INCH SHALL BE PVC
   B. PIPE SIZE 12 INCH OR GREATER SHALL BE RCP.
   C. RCP SHALL BE C-76, CLASS III
5. ALL PIPE SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
6. UNLESS NOTED, CATCH BASINS, CURB INLETS AND HEADWALLS SHALL BE PRECAST, SIZED AS SHOWN.

Site Demolition Plan Notes:

1. EXISTING TOPOGRAPHIC SURVEY AND LOCATION OF PHYSICAL FEATURES WERE OBTAINED FROM A TOPOGRAPHIC SURVEY PERFORMED BY STANTEC DATED 01/18/2024.
2. NO DEMOLITION ACTIVITIES SHALL COMMENCE UNTIL ALL PERMITS ARE OBTAINED AND PERIMETER EROSION CONTROL MEASURES ARE IN PLACE.
3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE AREA OF CONSTRUCTION.
4. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL MANHOLES, CLEANOUTS, VALVE BOXES, FIRE HYDRANTS, ETC. WITHIN THE AREA OF CONSTRUCTION.
5. EXISTING SANITARY SEWER AND WATER UTILITY LINES ARE TO REMAIN IN SERVICE AT ALL TIMES. CONTRACTOR TO MAKE PROVISIONS TO KEEP THESE UTILITIES IN SERVICE. ALL PROPOSED SHUT DOWNS OF UTILITIES MUST BE COORDINATED WITH THE OWNER.
6. ALL TRAFFIC CONTROL MEASURES, BARRICADES AND PROJECT SIGNS WITHIN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF TEXAS DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE LOCAL GOVERNING AGENCY REQUIREMENTS.
7. PROVIDE EROSION AND SEDIMENTATION CONTROLS AS SHOWN ON THE DRAWINGS AND MAINTAIN FOR THE DURATION OF THE PROJECT. PROVIDE ROUTINE MAINTENANCE AS REQUIRED BY THE SWPPP PLAN TO MAINTAIN THE INTEGRITY OF CONTROLS AND PROTECTION MEASURES AND REMOVE ANY ACCUMULATIONS OF MUD, SILT AND DEBRIS, WHICH WOULD JEOPARDIZE THE INTEGRITY OF THE CONTROL MEASURES. REFER TO DRAWINGS FOR DETAILS
8. CONTRACTOR SHALL EXERCISE CARE DURING OPERATIONS TO CONFINE DUST TO THE IMMEDIATE WORK AREA AND SHALL EMPLOY DUST CONTROL MEASURES TO ENSURE ADEQUATE DUST CONTROL THROUGHOUT DEMOLITION AND CONSTRUCTION OPERATIONS.
9. EXPOSED SUBGRADE BENEATH PAVED AREAS SHALL BE PROOF ROLLED TO DETECT WEAK SOIL SUPPORT AREAS. THESE AREAS WILL BE REMOVED AND REPLACED WITH SITE EXCAVATED MATERIALS OR IMPORTED MATERIALS HAVING THE SAME PROPERTIES AS SITE MATERIALS.
10. THE CONTRACTOR SHALL NOT DAMAGE ANY FENCES, DRIVES, PAVEMENT, UTILITIES OR OTHER EXISTING FACILITIES INTENDED TO REMAIN. DAMAGE TO ADJOINING PROPERTY OUTSIDE THE LIMITS OF DISTURBANCE OR OTHER ITEMS INTENDED TO REMAIN SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR.
11. THE CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH ALL REGULATIONS GOVERNING AGENCIES REGARDING THE DEMOLITION, REMOVAL, TRANSPORTATION AND DISPOSAL OF ALL DEMOLITION DEBRIS.
12. THE CONTRACTOR SHALL REMOVE AND DISPOSAL OF ANY ON-SITE TRASH, DEBRIS, OR DEMOLITION MATERIALS. DISPOSAL OF ALL DEMOLITION MATERIALS OR PRE-EXISTING ON-SITE TRASH AND DEBRIS SHALL NOT BE ITEMIZED AND PAID FOR AS SEPARATE ITEMS BUT SHALL BE SUBSIDIARY TO THE CONTRACT PRICE.
13. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE PROTECTION OF ALL PROPERTY CORNER MONUMENTS, BENCHMARKS, CONTROL POINTS, ETC, AND SHALL HAVE, AT HIS EXPENSE, ALL CORNER MONUMENTS REPLACED WHICH ARE DISTURBED BY CONSTRUCTION ACTIVITIES.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING DISCONNECTION OF ALL UTILITIES SERVING THE EXISTING SITE WITH THE APPROPRIATE UTILITY COMPANY, AND SHALL OBTAIN APPROVAL FROM SAME TO COMMENCE DEMOLITION ACTIVITIES.
15. THE CONTRACTOR SHALL LOCATE AND REMOVE ALL UNDERGROUND UTILITY PIPING, CONDUIT, AND CABLES, REGARDLESS OF DEPTH, IN THE AREA OF THE PROPOSED BUILDING(S) FOUNDATIONS. (UNLESS NOTED OTHERWISE)
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLUGGING, CAPPING, OR OTHERWISE TERMINATING UTILITY SERVICE LINES AT THE PROPERTY LINE; OR AT THE UTILITY MAIN AS REQUIRED BY THE UTILITY OWNER.
17. REFER TO LANDSCAPE DRAWINGS FOR TREE DEMOLITION AND PROTECTION.
18. REFER TO DEMOLITION ITEMS WITHIN OTHER DISCIPLINES' DOCUMENTS FOR COORDINATION NOTES.

Erosion Control Plan Notes:

1. THE CONTRACTOR SHALL COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS REGARDING STORM WATER DISCHARGE AND EROSION & SEDIMENT CONTROL.
2. FOR ALL EROSION CONTROL IN THE PUBLIC RIGHT-OF-WAY, CONTRACTOR SHALL MAKE REFERENCE TO THE CITY OF DALLAS DETAILS AND/OR CONSTRUCTION MANUAL FOR ACCEPTABLE CONSTRUCTION CONTROL GUIDELINES AND DETAILS NOT PROVIDED.
3. EROSION CONTROL MEASURES MUST BE IN PLACE BEFORE BEGINNING SOILS DISTURBING ACTIVITIES.
4. CONTRACTOR TO PROVIDE ADDITIONAL EROSION CONTROL AREAS ON SITE THAT MAY NEED TO BE DISTURBED FOR LAY DOWN AREA, STAGING, ETC...
5. REFER TO SHEET C9.00 & C10.01 FOR ADDITIONAL EROSION CONTROL INFORMATION, NOTES AND DETAILS.

Dimension Control Notes:

1. EXISTING TOPOGRAPHIC SURVEY AND LOCATION OF PHYSICAL FEATURES, BENCHMARKS, MONUMENTS, ETC. WERE OBTAINED FROM A TOPOGRAPHIC SURVEY PERFORMED BY STANTEC DATED 01/18/2024.
2. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT, OR LIMITS OF DIMENSIONS OR GRADES NECESSARY FOR CONSTRUCTION OF THIS PROJECT.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND MAINTAINING ALL SIGNS, BARRICADES, AND LIGHTING OR WARNING DEVICE(S) USED/REQUIRED WITH THIS WORK.
4. ALL UNLABELED CURB RADII SHALL BE 2.0 FEET TYPICAL.
5. ALL DIMENSIONS ARE FROM EDGE OF PAVEMENT OR FACE OF CURB UNLESS OTHERWISE NOTED.
6. ALL BUILDING DIMENSIONS ARE TO FACE OF BUILDING. REFER TO ARCHITECTURAL PLANS FOR BUILDING DIMENSION INFORMATION.
7. REFER TO LANDSCAPE ARCHITECT PLANS FOR DETAILS AND DIMENSIONS OF LANDSCAPE HARDSCAPE AREAS.

Paving Plan Notes

1. UNLESS OTHERWISE NOTED, REFER TO SPECIFICATION DETAILS FOR SUBGRADE COMPACTION AND MOISTURE CONTENT REQUIREMENTS.
2. FOR FILL COMPACTION AND MOISTURE CONTENT REQUIREMENTS AND ADDITIONAL PAVING CRITERIA, REFER TO THE "GEOTECHNICAL EXPLORATIONS – ADDITIONS BIRDIE ALEXANDER ELEMENTARY SCHOOL (ORG 235)" REPORT NO. G231059, PREPARED BY ALPHA TESTING OF DALLAS, TEXAS 75229 (FIRM NO 813), DATED JULY 18, 2023. IF ANY PROVISION OF THESE NOTES IS LESS STRINGENT THAN THE REQUIREMENTS SET FORTH IN THE GEOTECHNICAL REPORT, THE GEOTECHNICAL REPORT SHALL CONTROL.
3. ALL PARKING STRIPING SHALL BE 4" WIDE UNLESS OTHERWISE NOTED.
4. INSTALL ACCESSIBLE PARKING STALLS, AISLES, SYMBOLS, SIGNAGE AND WHEELSTOPS IN ACCORDANCE WITH ADA/TAS STANDARDS. STRIPING WILL BE COLORED PER TAS APPROVED COLOR PAINT
5. SAWED JOINTS SHALL BE SPACED AT INTERVALS OF 15 FEET MAXIMUM AND AT ALL RADIUS RETURNS. SAWED JOINTS SHALL BE PERPENDICULAR TO ALL CURVES. JOINTS SHALL BE SAWED WITHIN 12 HOURS AFTER CONCRETE IS POURED.
6. SAWED JOINTS SHALL MATCH THE EXISTING PAVEMENT JOINT PATTERN WHERE NEW PAVEMENT IS CONSTRUCTED ADJACENT TO EXISTING CONCRETE PAVEMENT.
7. ALL MANHOLES, INLETS, LIGHT BASES, AND OTHER STRUCTURES SHALL BE ISOLATED FROM THE NEW PAVEMENT WITH PREFORMED ASPHALTIC EXPANSION MATERIAL.
8. ADJUST EXISTING TOP OF MANHOLE RIMS AND EXISTING WATERLINE VALVE BOXES TO FINISHED GRADE ELEVATIONS.
9. FOR PAVING PATTERNS, FINISHES AND MATERIALS REFER TO ARCHITECTURAL OR LANDSCAPE DRAWINGS.
10. CARE SHALL BE TAKEN NOT TO PLACE CONCRETE DURING INCLEMENT WEATHER. CONCRETE AGGREGATE THAT HAS BEEN EXPOSED DUE TO RAINFALL BEFORE THE CONCRETE HAS SET-UP SHALL NOT BE ACCEPTED AND MUST BE REPLACED.
11. EXPOSED SUBGRADE BENEATH PAVED AREAS SHALL BE PROOF ROLLED TO DETECT WEAK SOIL SUPPORT AREAS. WEAK AREAS WILL BE REMOVED AND REPLACED WITH SITE EXCAVATED MATERIALS OR IMPORTED MATERIALS HAVING THE SAME PROPERTIES AS SITE MATERIALS.
12. FIRE LANE MARKINGS SHALL COMPLY WITH CITY OF DALLAS STANDARDS WHERE APPLICABLE. SIGNAGE AND STRIPING SHALL COMPLY WITH ARCHITECTURAL OR CIVIL SPECIFICATIONS AS APPLICABLE.
13. REFER TO GRADING PLAN(S) FOR FINISHED GRADE TOLERANCES IN PAVED AREAS.
14. ALL TXDOT SPECIFICATIONS ON THIS PLAN, NOTES, AND DETAILS REFER TO 2014 STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND BRIDGES, TEXAS DEPARTMENT OF TRANSPORTATION. THE FOLLOWING SECTIONS SHALL APPLY TO NEW PAVING THIS SITE:
    14.1. ASPHALT PAVEMENT: ITEM 340
    14.2. CONCRETE PAVEMENT: ITEMS 360 & 421
    14.3. FLEXIBLE BASE: ITEM 247
    14.4. LIME-TREATED SUBGRADE: ITEM 260
15. EXCEPT AS INDICATED ON PLANS AND SPECIFICATIONS, ON-SITE PAVEMENT SHALL COMPLY WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE (ACI) PUBLICATION 330R. DETAILING OF CONCRETE REINFORCING AND ACCESSORIES SHALL COMPLY WITH THE LATEST EDITION OF ACI PUBLICATION 315.
16. PAVEMENT IN CITY STREET RIGHT-OF-WAY SHALL CONFORM TO CITY OF DALLAS STANDARDS AND SPECIFICATIONS, EXCEPT AS NOTED HEREIN AND APPROVED BY THE CITY.
17. WHEN JOINING TO EXISTING CONCRETE PAVEMENT WITHOUT AN ISOLATION JOINT, CONTRACTOR SHALL MATCH EXISTING CONTRACTION JOINT PATTERN. WHERE NO EXISTING CONTRACTION JOINT PATTERN CONTROLS, THE MAXIMUM CONTRACTION JOINT SPACING SHALL BE AS FOLLOWS:

PAVING THICKNESS (IN)	MAXIMUM SPACING (FT)
4 TO 4-1/2	10
5 TO 5-1/2	12.5
6 OR GREATER	15

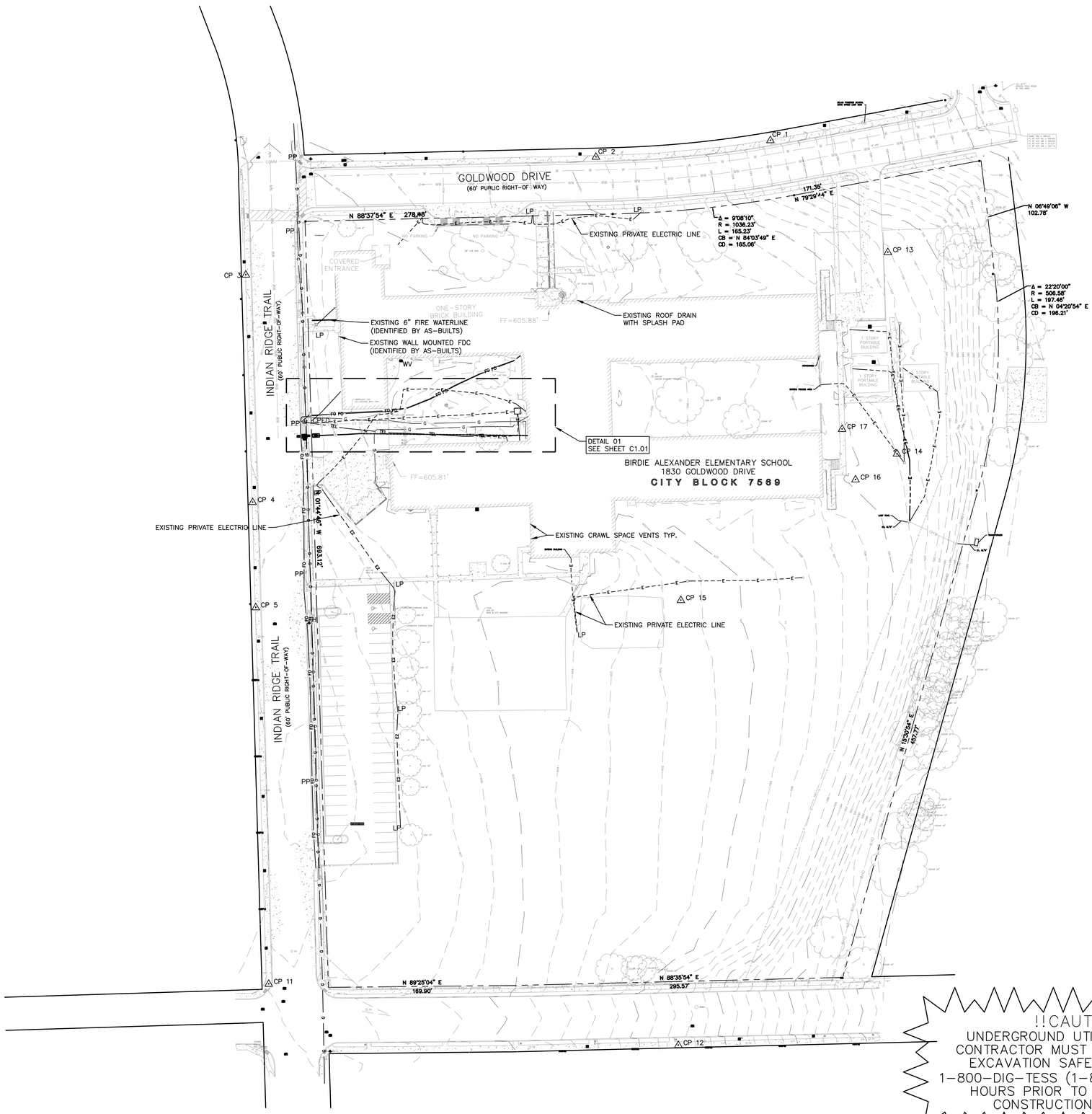
18. WHEREVER PRACTICAL, JOINT PANELS SHALL BE APPROXIMATELY SQUARE, AND PANEL LENGTH SHOULD NOT EXCEED PANEL WIDTH (OR VICE VERSA) BY MORE THAN 25%. SAWCUT CONTRACTION JOINTS SHALL BE PERPENDICULAR TO CURB LINES AND SHALL BE RADIAL AT CURVES.
19. JOINT SEALANT SHALL BE SIKASIL 728 SL, DOWSIL 890-SL, OR APPROVED EQUAL.
20. USE OF SAWCUT CONTROL JOINTS IN PLACE OF BUTT-TYPE CONSTRUCTION JOINTS MAY RESULT IN REFLECTIVE CRACKING WHERE JOINTS PATTERNS ARE MISMATCHED. CONTRACTOR SHALL NOT CHANGE CONTRACTION JOINT PATTERNS WITHOUT AN INTERMEDIATE TRANSITIONAL BUTT-TYPE CONSTRUCTION JOINT.
21. TO PREVENT ERRATIC CRACKING, SAWING OF CONTRACTION JOINTS SHOULD BEGIN AS SOON AS CONCRETE HAS ATTAINED ADEQUATE STRENGTH TO RESIST RAVELING OF THE JOINT EDGES. JOINTS SHOULD GENERALLY BE COMPLETE WITHIN 4 HOURS (HOT WEATHER) TO 12 HOURS (COLD WEATHER) AFTER FINISHING. IF IT IS NOT FEASIBLE TO COMPLETE THE JOINTS WITHIN THE ALLOTTED TIME FRAME DUE TO UNUSUAL OR EXTREME CONDITIONS, THE JOINTS SHOULD BE FORMED USING ALTERNATE METHODS, TO BE APPROVED BY THE ENGINEER.
22. ALL CURBS IN CONCRETE-PAVED AREAS SHALL BE INTEGRAL UNLESS NOTED OTHERWISE.
23. MATCH EXISTING CURBS AT ENDS OF NEW CURBS (WHERE APPLICABLE). NEW CURB AND GUTTER THAT ABUTS EXISTING CONCRETE PAVEMENT SHALL BE TIED TO THE EXISTING PAVEMENT AS SHOWN IN PAVING DETAILS OR CITY DETAILS.
24. EXPANSION JOINTS ARE OPTIONAL EXCEPT WHERE REQUIRED BY CITY OF DALLAS STANDARDS.
25. TESTING LAB REPRESENTATIVE MUST BE PRESENT PRIOR TO AND DURING ALL CONCRETE POURS.
26. THE ENGINEER SHALL BE COPIED WITH ALL TEST RESULTS VIA EMAIL WITHIN 3 BUSINESS DAYS.
27. REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60, U.N.O.
28. IN AREAS WHERE SUBGRADE WILL BE LIME OR CEMENT STABILIZED, STABILAZATION SHALL EXTEND A MINIMUM OF 12 INCHES (1 FOOT) BEYOND PERIMETER OF PROPOSED PAVEMENT, INCLUDING SEPARATE CURB AND GUTTER IF/WHERE USED.
29. ALL REINFORCING SHALL LAP 36 BAR DIAMETERS AT SPLICES UNLESS NOTED OTHERWISE. HOOK CONTINUOUS BARS AT DISCONTINUOUS ENDS.
30. ALL DIMENSIONS ON PAVING PLAN ARE TO BACK OF CURB UNLESS NOTED. UNITS OF LENGTH ARE FEET UNLESS OTHERWISE MARKED AS INCHES ("), CENTIMETERS (CM), METERS (M) OR YARDS (YD).

Striping and Accessible Notes:

1. ALL PARKING AND ACCESSIBLE STRIPING SHALL BE WHITE 4" SOLID LINES UNLESS NOTED OTHERWISE.
2. ANY ACCESSIBLE STALL OR AISLE MARKINGS AND IDENTIFICATION WILL BE ADDRESSED BY THE CITY OR STATE LAWS, TAS/ADA STANDARDS AND DETAILS UNLESS NOTED OTHERWISE.
3. PAVEMENT MARKING SYMBOL OF ACCESSIBILITY SHALL BE PLACED TOWARD THE FAR END OF THE PARKING STALL SO AS TO BE VISIBLE TO MOTORISTS IN THE TRAVEL LANE. SYMBOL OF ACCESSIBILITY MAY BE PAINTED OR PREFABRICATED MATERIAL AND SHALL BE 30"x30" MINIMUM. COLOR WILL BE PER LATEST TAS/ADA STANDARDS OR PER CITY STANDARDS.
4. ALL ACCESSIBLE STALLS SHALL BE 8 FEET WIDE MINIMUM AND BE ACCOMPANIED BY AN ACCESS AISLE THAT SHALL BE 5 FEET WIDE MINIMUM. VAN ACCESSIBLE PARKING SHALL BE A TOTAL OF 16 FEET WIDE MINIMUM WHEN INCLUDING THE ADJACENT ACCESS AISLE. (REFER TO TAS BULLETIN 68.104 FOR LATEST REQUIREMENTS).
5. ALL ACCESSIBLE STALLS SHALL HAVE A INTERNATIONAL APPROVED R7-8a SIGN MOUNTED AT A MINIMUM HEIGHT OF 60" ABOVE THE SURFACE OF THE FINISHED GROUND. IN ADDITION TO THE SIGN, EACH VAN ACCESSIBLE STALL SIGN SHALL CONTAIN A "VAN ACCESSIBLE" & A "VIOLATORS SUBJECT TO FINE AND TOWING" PLACARD ALONG WITH THE R7-8a SIGN.
6. POST MOUNTED SIGNS SHALL BE PLACED APPROXIMATELY 1 FOOT BEHIND THE CURB OR SIDEWALK. WHEEL STOPS WILL BE PLACED APPROXIMATELY 2 FEET IN FRONT OF FACE OF CURB AT CENTER. SALVAGE EXISTING SIGNS AND WHEEL STOPS FOR RE-USE.
7. ACCESSIBLE STALLS AND AISLES MUST NOT EXCEED 2% (1:48) IN ANY DIRECTION. CURB RAMPS MUST NOT EXCEED A LONGITUDINAL SLOPE OF 1:12 OR A CROSS SLOPE OF 1:48. ANY RAMPS EXCEEDING THESE SLOPES MUST BE REMOVED AND RE-POURED. USE CARE DURING PAVING OPERATIONS.
8. ALL CROSSWALK STRIPING SHALL BE WHITE, 12 to 24 INCHES WIDE AND SPACED 2 to 48 INCHES APART. THE CROSSWALK STRIPING SHALL BE SPACED TO AVOID WHEEL PATHS.
9. STOP BARS STRIPING SHALL BE WHITE, 12 to 24 INCHES WIDE AND PLACED A MINIMUM 4 FEET IN ADVANCE OF ALL CROSSWALK STRIPING.
10. CROSSHATCHING SHOWN ON THE PLANS SHALL BE 24" WIDE AND TYPICALLY SPACED 20 FEET APART. COLOR SHALL BE PER DETAILS UNLESS NOTED OTHERWISE.

Utility Plan Notes:

1. THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM DATA RECORDED BY OTHERS AND THE BEST INFORMATION SOURCES AVAILABLE AT THE TIME OF DESIGN. FIELD DATA IS LIMITED TO THAT WHICH IS VISIBLE AND CAN BE MEASURED. THIS DOES NOT PRECLUDE THE EXISTENCE OF OTHER UNDERGROUND ITEMS. THE COMPLETENESS AND/OR ACCURACY OF THESE RECORDS CANNOT BE GUARANTEED, EXCEPT INSOFAR AS THEY CAN BE VERIFIED BY FIELD MEASUREMENT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO UNCOVER AND VERIFY THE ACTUAL DEPTH AND CONDITION OF ALL AFFECTED UNDERGROUND UTILITIES WITHIN THE AREA OF CONSTRUCTION PRIOR TO BEGINNING THE ACTUAL WORK.
2. REMOVE FROM THE SITE ALL SURFACE FEATURES AND UTILITIES INDICATED ON THE DRAWINGS TO BE DEMOLISHED OR REMOVED. BACKFILL TRENCHES EXCAVATED FOR UTILITY REMOVAL.
3. ALL CONSTRICTION OCCURRING IN THE PUBLIC RIGHT-OF-WAY WILL CONFORM THE LOCAL CITY CONSTRUCTION DESIGN STANDARDS (LATEST VERSION)
4. SUBMIT TO THE ARCHITECT/ENGINEER AND OWNER'S DESIGNATED REPRESENTATIVE A TRENCH SAFETY PLAN SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TEXAS. THIS PLAN SHALL MEET OSHA REQUIREMENTS. CONTRACTOR SUBMITTAL SHALL INCLUDE A TRENCH SAFETY PLAN IN COMPLIANCE WITH TEXAS HOUSE BILL 1569 AND MUST BE RECEIVED BEFORE BEGINNING WORK ON THE PROJECT.
5. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING UTILITIES THAT ARE TO REMAIN. CONTRACTOR SHALL REPAIR OR REPLACE ANY AND ALL DAMAGED UTILITIES TO THEIR ORIGINAL CONDITION AT NO COST TO THE OWNER.
6. ALL WATER AND SANITARY SEWER PIPES MUST BE INSTALLED AND TESTED IN ACCORDANCE WITH TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) REQUIREMENTS.
7. CONTRACTOR SHALL VERIFY ALL EXISTING SANITARY SEWER FLOW LINES BEFORE BEGINNING CONSTRUCTION.
8. ALL SANITARY SEWER PIPING SHALL BE SDR 26 AT MINIMUM. AND ALL SEWER SERVICE LINES TO BUILDINGS SHALL BE PROVIDED WITH CLEANOUTS NOT MORE THAN 100 FEET APART.
9. ALL MANHOLES, FIRE HYDRANTS, VALVE BOXES, ETC LOCATED IN LANDSCAPE AREAS SHALL HAVE A 12" MOW STRIP AROUND IT.
10. WHEN WATER LINES ARE INSTALLED IN THE VICINITY OF SEWER MAINS, SUCH INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE TEXAS DEPARTMENT OF HEALTH "RULES AND REGULATIONS FOR PUBLIC WATER SYSTEMS" (LATEST EDITION)
11. ALL DOMESTIC WATER SUPPLY AND FIRE PROTECTION MAINS SHALL RECEIVE CONCRETE THRUST BLOCKING AND JOINT RESTRAINTS PER THE DETAIL SHEETS.
12. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 1 WEEK PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND WILL MAKE ARRANGEMENTS FOR ANY AND ALL TEMPORARY UTILITIES, PERMITS, AND AGREEMENTS.
13. THE CONTRACTOR SHALL PROTECT ALL UTILITIES DURING THE CONSTRUCTION OF THIS PROJECT. ALL MANHOLES, CLEANOUTS, WATER VALVES, FIRE HYDRANTS, AND OTHER APPURTENANCES MUST BE ADJUSTED TO PROPER LINE AND GRADE BEFORE FINAL ACCEPTANCE BY THE CITY. THE CONTRACTOR SHALL GIVE THE CITY, RESIDENTS AND BUSINESSES AFFECTED BY ANY ANTICIPATED WATER OR SEWER SERVICE DISRUPTIONS AT LEAST FORTY-EIGHT (48) HOURS PRIOR WRITTEN NOTICE.
14. THE CONTRACTOR SHALL SALVAGE ALL EXISTING CITY UTILITY APPURTENANCES SUCH AS SIGNS, VALVES, FIRE HYDRANTS, ETC. IN ACCORDANCE WITH CITY REQUIREMENTS AND RETURN THE SAVAGED EQUIPMENT TO THE CITY.
15. TESTING OF UTILITY TRENCH BACKFILL COMPACTION SHALL BE AT 75' INTERVALS AND EACH LIFT'S BACKFILL. BACKFILL SHALL BE PROCESSED SUCH THAT NO DIRT CLODS ARE IN EXCESS OF 4" DIAMETER. ALL SANITARY SEWER LINES AND STORM SEWER LINES SHALL BE TV TESTED AT THE COMPLETION OF THE PROJECT (IN ADDITION TO MINIMUM CODE OR OTHER REQUIREMENTS) TO CHECK FOR DAMAGE CAUSED BY OTHER TRADES, UTILITY CONFLICTS, TRENCH SETTLEMENT, ETC. THE COST OF SUCH SHALL BE INCLUD



!!CAUTION!!
UNDERGROUND UTILITIES IN AREA!
CONTRACTOR MUST CALL THE TEXAS EXCAVATION SAFETY SERVICE AT 1-800-DIG-TESS (1-800-344-8377) 48 HOURS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.

N

GRAPHIC SCALE
0 40 80
(IN FEET)
1 inch = 40 ft.

Legend

- EXISTING BUILDING
- ASPHALT
- CONCRETE
- EXISTING TREE
- EXISTING SIGN
- EXISTING POST
- TELEPHONE CONNECTION
- FIBER OPTIC VAULT
- ELECTRIC METER
- GAS METER
- EXISTING GAS VALVE
- EXISTING FIRE HYDRANT
- EXISTING LIGHT POLE
- EXISTING POWER POLE
- EXISTING SIGN
- EXISTING WATER VALVE
- CABLE TV PEDESTAL
- CABLE TV PEDESTAL
- BUILDING OVERHANG
- CHAIN LINK FENCE
- STEEL HAND RAIL
- RETAINING WALL
- OVERHEAD ELECTRIC LINE
- EXISTING ELECTRIC LINE
- EXISTING FIBER OPTIC LINE
- EXISTING GAS LINE
- EXISTING WATER LINE

Existing Condition Notes:

1. EXISTING TOPOGRAPHIC SURVEY AND LOCATION OF PHYSICAL FEATURES, BENCHMARKS, MONUMENTS, ETC. WERE OBTAINED FROM A TOPOGRAPHIC SURVEY PERFORMED BY **STANTEC** DATED **SEPTEMBER 15, 2023**.
2. GRAPHICAL CHANGES MAY HAVE BEEN MADE TO SURVEY DRAWING TO ENHANCE LEGIBILITY AND EMPHASIZE IMPORTANT DESIGN ELEMENTS. THIS DRAWING HAS BEEN PROVIDED FOR REFERENCE PURPOSES ONLY AND IS NOT A DESIGN DOCUMENT. PROFESSIONAL RESPONSIBILITY FOR THE UNDERLYING DATA SHALL LIE WITH THE SURVEYOR IDENTIFIED ABOVE.
3. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY KNOWN OR OBSERVED DISCREPANCIES BETWEEN CONDITIONS FOUND IN THE FIELD AND INFORMATION SHOWN ON THE EXISTING CONDITIONS PLAN(S). THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING TOPOGRAPHIC CONTOURS AND SPOT GRADES AGAINST FIELD CONDITIONS AT THE TIME OF CONSTRUCTION, AND FOR PERFORMING AN INDEPENDENT TAKEOFF OF EARTHWORK QUANTITIES BASED ON THIS INFORMATION. THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR EARTHWORK QUANTITY DISCREPANCIES IF THE ABOVE STEPS ARE NOT TAKEN PRIOR TO COMMENCING SUBSTANTIAL EARTHMOVING OPERATIONS.
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CITY OF DALLAS BENCHMARK 64-W-1

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STANTEC GPS ELEVATION = 609.33' (NAVD88)

CITY OF DALLAS BENCHMARK 64-X-6

SQUARE ON CONCRETE CURB OF INLET ON THE SOUTH SIDE OF KIRNWOOD DR. AND 250' WEST OF MIRAGE CANYON DR.
PUBLISHED ELEVATION = 614.87' (NGVD29)
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SITE BENCHMARKS

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ELEVATION = 606.86'

JQ IMEG
100 GLASS STREET
DALLAS, TX 75207
214.752.9098 www.imegcorp.com
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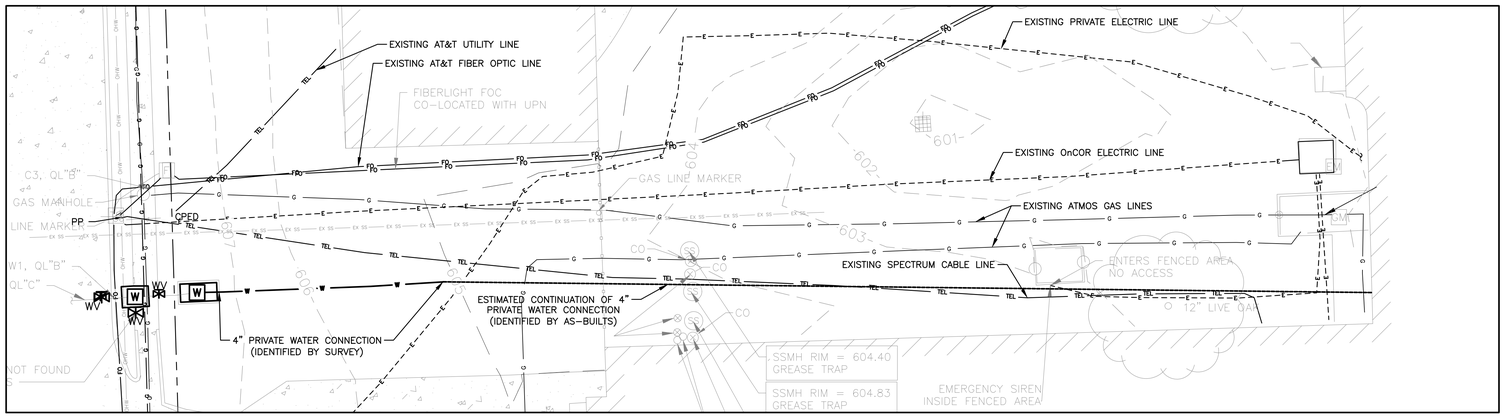
Existing Conditions

C1.00



01 COURTYARD EXISTING UTILITIES

SCALE: 1"=10'

N

GRAPHIC SCALE

0 10 20

(IN FEET)
1 inch = 10 ft.

Legend

- EXISTING BUILDING
- ASPHALT
- CONCRETE
- XX EXISTING TREE
- EXISTING SIGN
- EXISTING POST
- TS TELEPHONE CONNECTION
- F FIBER OPTIC VAULT
- EM ELECTRIC METER
- GM GAS METER
- GV EXISTING GAS VALVE
- FH EXISTING FIRE HYDRANT
- LP EXISTING LIGHT POLE
- PP EXISTING POWER POLE
- EXISTING SIGN
- WV EXISTING WATER VALVE
- CPED CABLE TV PEDESTAL
- CPED CABLE TV PEDESTAL
- CO BUILDING OVERHANG
- CHAIN LINK FENCE
- STEEL HAND RAIL
- RETAINING WALL
- OHE OVERHEAD ELECTRIC LINE
- E EXISTING ELECTRIC LINE
- FO EXISTING FIBER OPTIC LINE
- G EXISTING GAS LINE
- W EXISTING WATER LINE

Existing Condition Notes:

1. EXISTING TOPOGRAPHIC SURVEY AND LOCATION OF PHYSICAL FEATURES, BENCHMARKS, MONUMENTS, ETC. WERE OBTAINED FROM A TOPOGRAPHIC SURVEY PERFORMED BY **STANTEC** DATED **SEPTEMBER 15, 2023**.
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!!CAUTION!!
UNDERGROUND UTILITIES IN AREA!
CONTRACTOR MUST CALL THE TEXAS EXCAVATION SAFETY SERVICE AT 1-800-DIG-TESS (1-800-344-8377) 48 HOURS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.

JQ IMEG
100 GLASS STREET
DALLAS, TX 75207
214.752.9088 www.imegcorp.com
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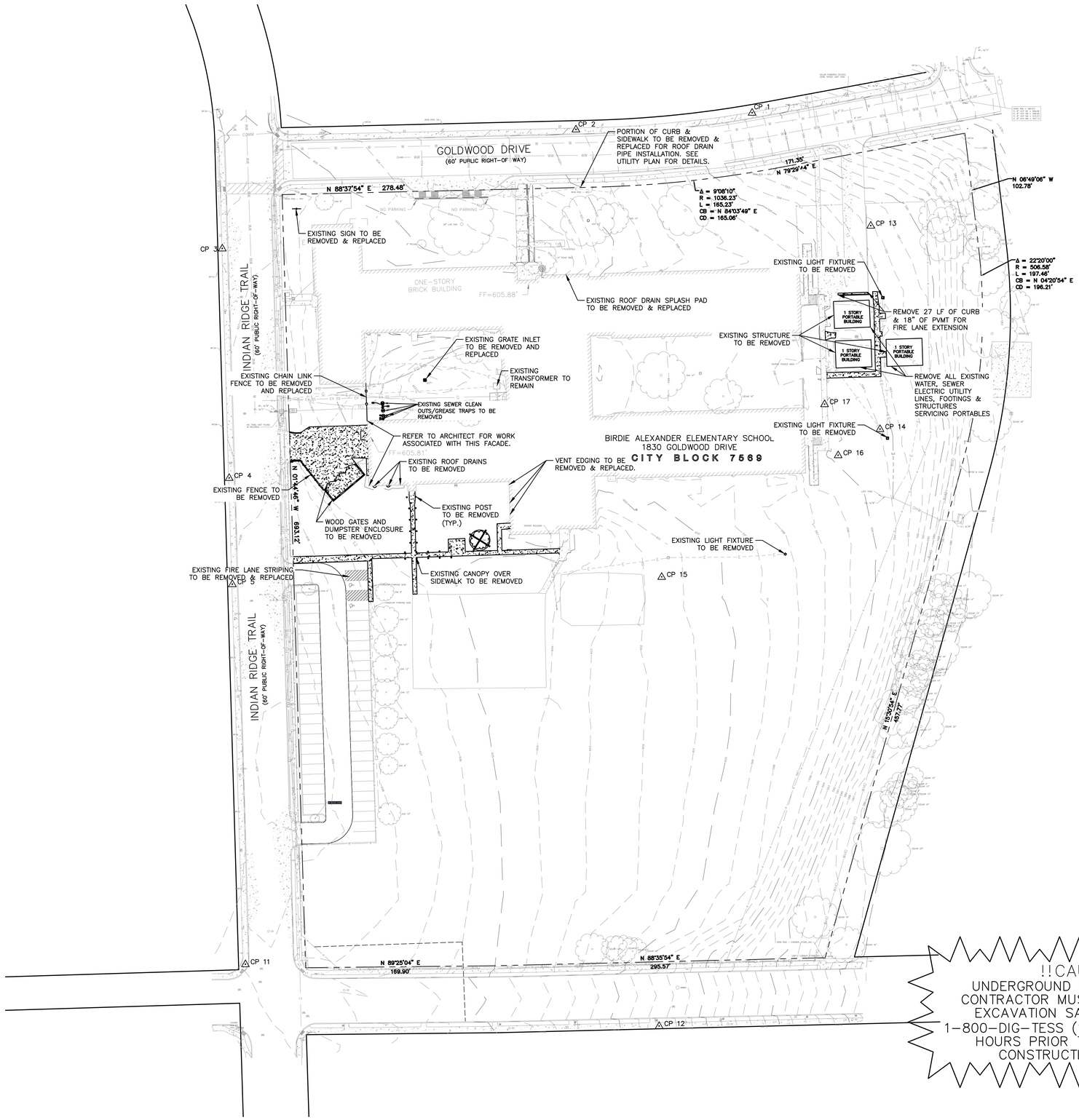
Existing Conditions Detail

C1.01



GRAPHIC SCALE

0 40 80

(IN FEET)
1 inch = 40 ft.

Legend

- CONCRETE PAVEMENT TO BE REMOVED
- UTILITY LINE TO BE REMOVED
- FULL DEPTH SAWCUT [APPROXIMATE LOCATION]
- EXISTING TREES TO BE REMOVED (REFER TO LANDSCAPE DEMOLITION DRAWINGS FOR DETAILED INFORMATION)

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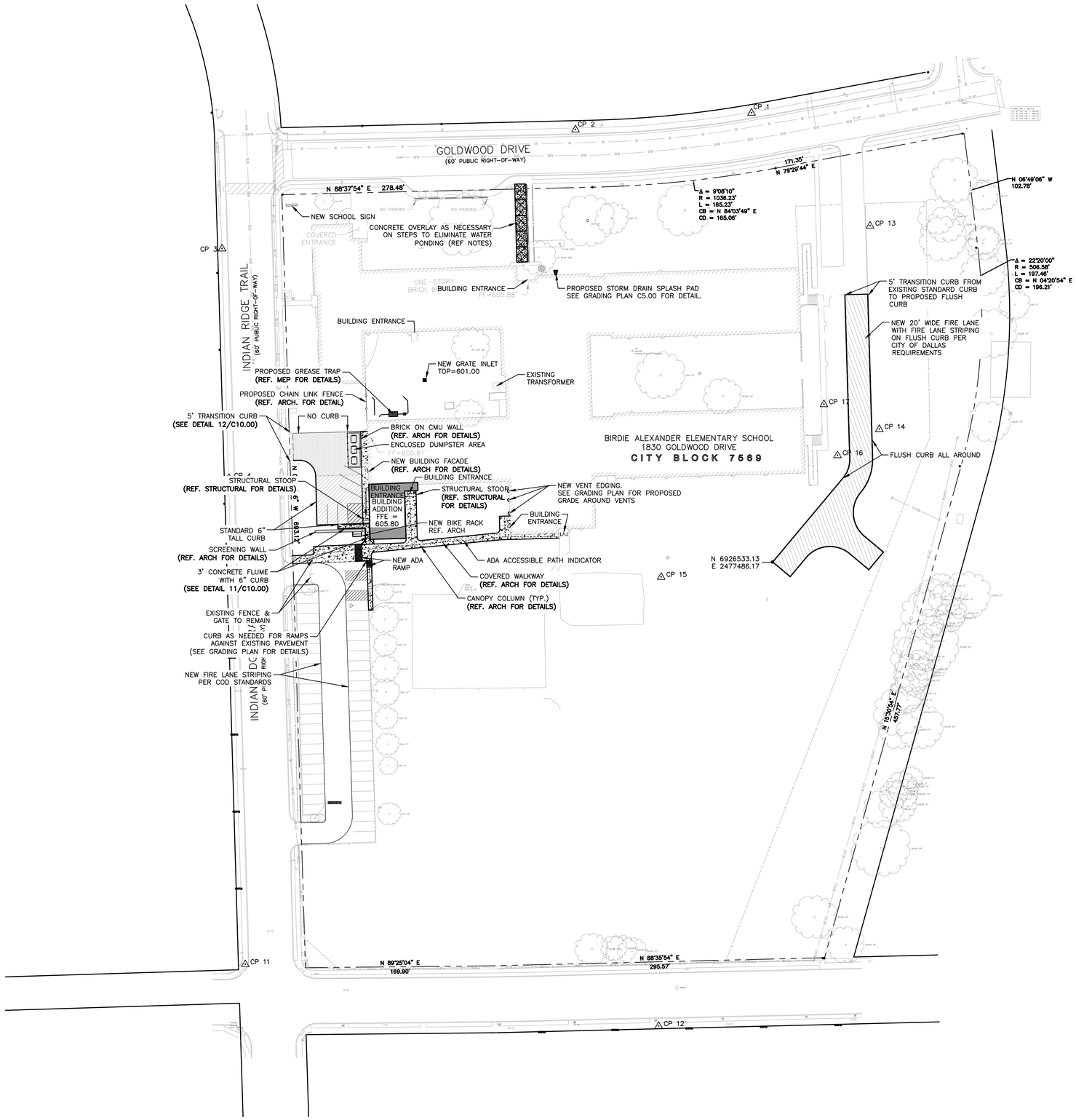
Demolition Plan

C2.00



GRAPHIC SCALE

0 40 80

(IN FEET)
1 inch = 40 ft.

Legend

- PROPOSED CONCRETE SIDEWALK **SEE DETAIL 14/C10.00**
- 6" DRIVE LANE CONCRETE **SEE DETAIL 01/C10.00**
- 7" DUMPSTER AREA CONCRETE **SEE DETAIL 01/C10.00**
- VARIABLE DEPTH CONCRETE OVERLAY **SEE DETAIL 15/C10.01**
- PROPOSED BUILDING
- PROPOSED FLUSH CURB
- PROPERTY LINE
- PROPOSED SIGN
- ADA ACCESSIBLE PATH
- PROPOSED CHAIN LINK FENCE
- BUILDING OVERHANG/COVERED PORCH

NOTES

FOR CONCRETE OVERLAY UP TO 2", REFER TO DETAIL 15/C10.01.

FOR CONCRETE OVERLAY FROM ¼" TO ¾" USE ARDEX K 301 SELF-LEVELING CONCRETE TOPPING OR APPROVED EQUAL. SURFACE PREPARATION CSP-6.

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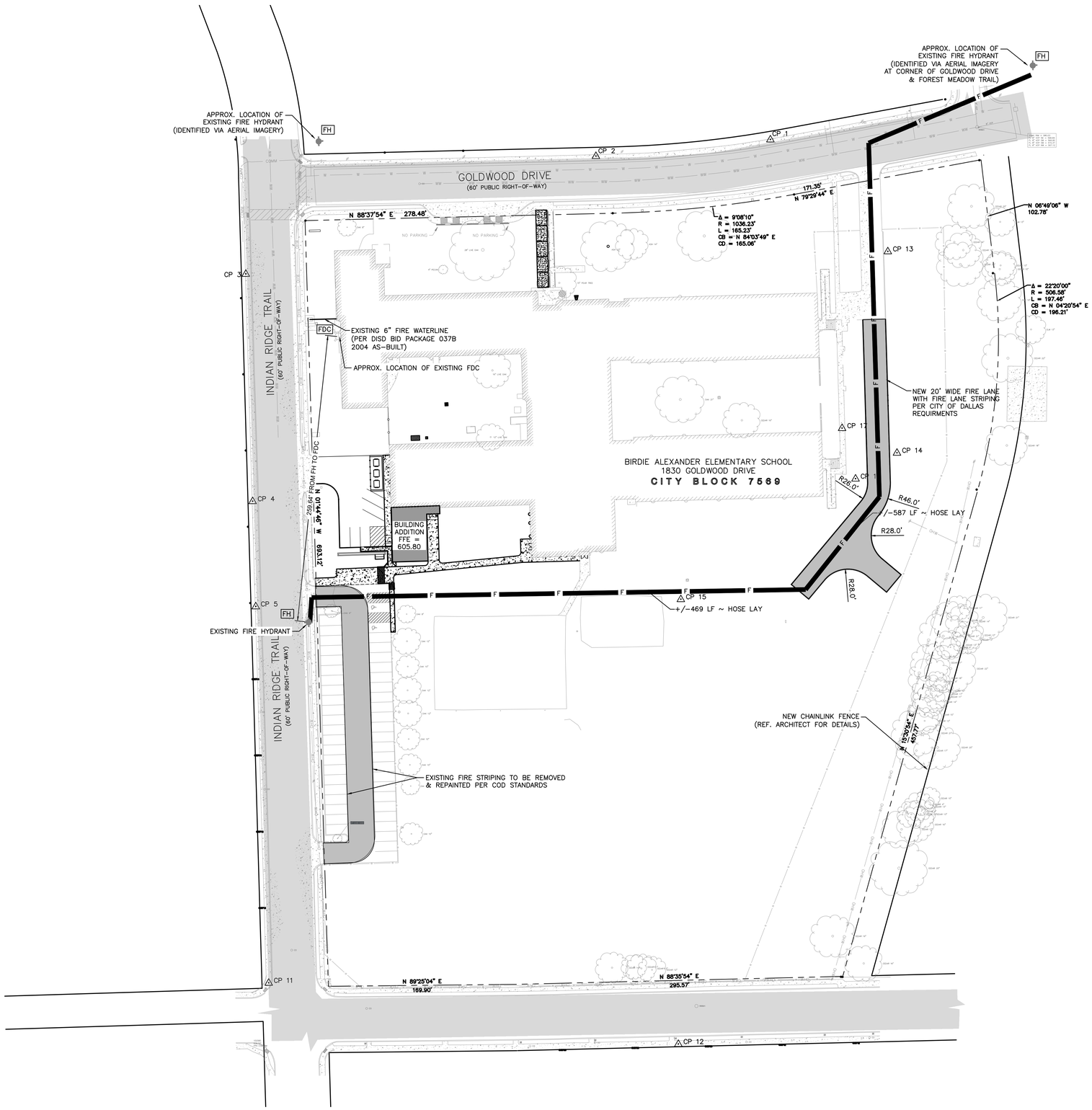
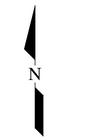
Site Plan

C3.00





GRAPHIC SCALE

0 40 80

(IN FEET)
1 inch = 40 ft.

Legend

- EXISTING ON-SITE FIRE LANE
- ADJACENT EXISTING PUBLIC ROADS
- FH — EXISTING FIRE HYDRANT
- FDC — EXISTING FDC
- F — HOSE LAY LENGTH (SPRINKLED BUILDING) (600' MAX FIRE PATH DISTANCE FROM FH TO ALL CORNERS OF THE BUILDING)

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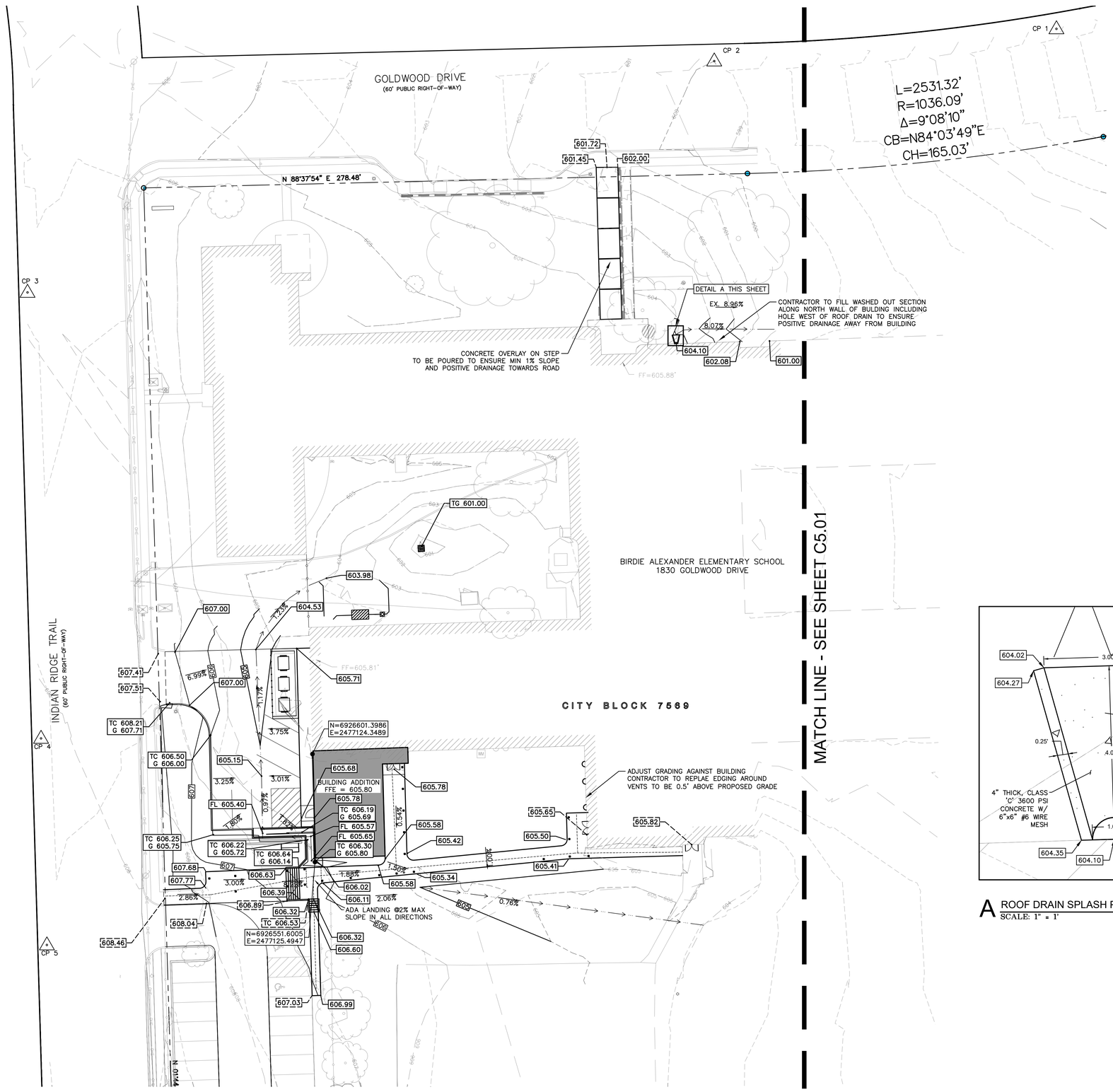
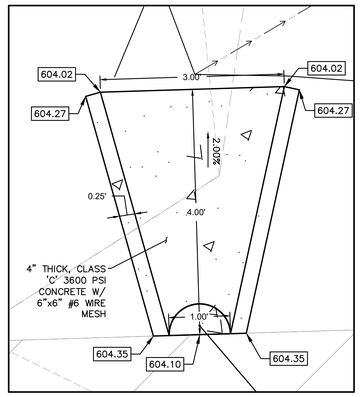
Fire Protection Plan

C4.00





A ROOF DRAIN SPLASH PAD
SCALE: 1" = 1'

N

GRAPHIC SCALE
0 20 40
(IN FEET)
1 inch = 20 ft.

Legend

– – – – –	MATCH EXISTING AT SAWCUT
→ ··	SWALE/LOW POINT FLOW DIRECTION
— — —	PROPERTY LINE (RIGHT-OF-WAY LIMITS)
----------	ADA ACCESSIBLE PATH
478	EXISTING CONTOUR AND ELEVATION
478	PROPOSED CONTOUR AND ELEVATION
477.09	MATCH EXISTING ELEVATION
477.09	PROPOSED SPOT GRADE
TC	TOP OF CURB ELEVATION
G	GUTTER ELEVATION
TP	TOP OF PAVEMENT
TG	TOP OF GRATE
TOP	TOP OF STRUCTURE
TW	TOP OF WALL AT GRADE
BW	BOTTOM OF WALL AT GRADE
TS	TOP OF STAIR ELEVATION
BS	BOTTOM OF STAIR ELEVATION
BC	BUILDING CORNER AT GRADE
FF	FINISHED FLOOR ELEVATION
NG	NATURAL GRADE
H. P.	ELEVATION HIGH POINT
L. P.	ELEVATION LOW POINT
0.0%	% SLOPE/GRADE
→	FLOW DIRECTION
N: #### E: ####	LOCATION BY **STATE PLANE COORDINATES**

REFERENCE BENCHMARK

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) UTILIZING GPS CORRECTIONS FROM THE LEICA GEOSYSTEMS NORTH TEXAS SMARTNET NETWORK AND ADDITIONALLY REFERENCED TO THE NATIONAL GEODETIC SURVEY (NGS) GEOID MODEL 12B.

CITY OF DALLAS BENCHMARK 64-W-1

A CITY OF DALLAS BENCH MARK IS SET ON TOP OF A CONCRETE CURB AT THE POINT OF CURVE AT THE SOUTHEAST CORNER OF THE INTERSECTION.
PUBLISHED ELEVATION = 609.21' (NGVD29)
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CITY OF DALLAS BENCHMARK 64-X-6

SQUARE ON CONCRETE CURB OF INLET ON THE SOUTH SIDE OF KIRNWOOD DR. AND 250' WEST OF MIRAGE CANYON DR.
PUBLISHED ELEVATION = 614.87' (NGVD29)
STANTEC GPS ELEVATION = 614.82' (NAVD88)

SITE BENCHMARKS

CONTROL POINT NO. 1:
MAG NAIL WITH WASHER STAMPED "STANTEC" SET IN SIDEWALK AS SHOWN HEREON
ELEVATION = 592.27'

CONTROL POINT NO. 3:
MAG NAIL WITH WASHER STAMPED "STANTEC" SET IN SIDEWALK AS SHOWN HEREON
ELEVATION = 606.86'

JQ IMEG
100 GLASS STREET
DALLAS, TX 75207
214.752.9098 www.imegcorp.com
TEXAS FIRM REGISTRATION #F-26651

Bid and Permit

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HarrisonKornberg ARCHITECTS

STATE OF TEXAS
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REGISTERED ENGINEER

01/19/2026

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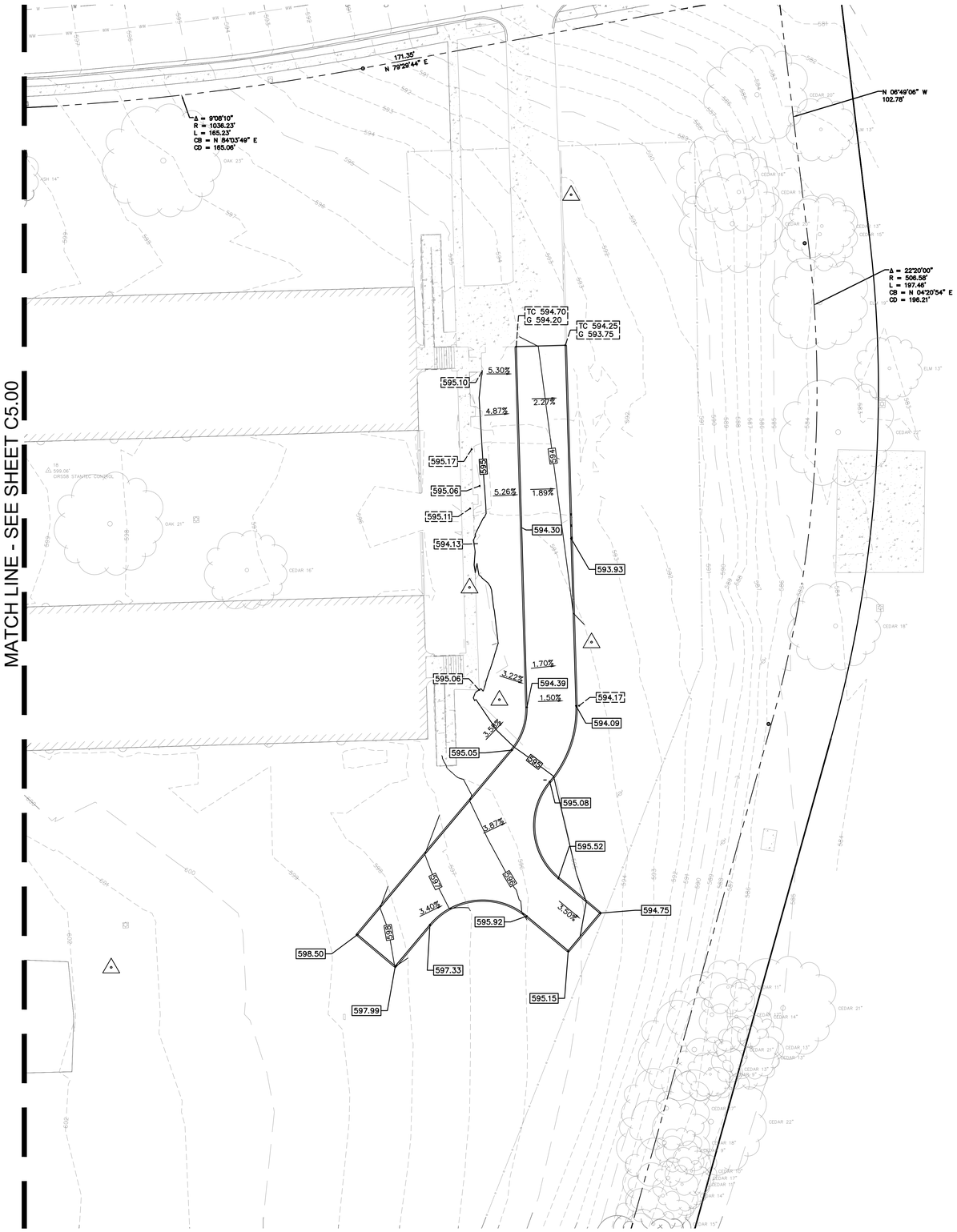
T: 972-245-5300

Grading Plan

C5.00

Project Name: ORG. #235 BAES Date:10/18/2024



N

GRAPHIC SCALE

0 20 40

(IN FEET)
1 inch = 20 ft.

Legend

– – – – – –	MATCH EXISTING AT SAWCUT
→ ···	SWALE/LOW POINT FLOW DIRECTION
— – —	PROPERTY LINE (RIGHT-OF-WAY LIMITS)
----------	ADA ACCESSIBLE PATH
478	EXISTING CONTOUR AND ELEVATION
478	PROPOSED CONTOUR AND ELEVATION
477.09	MATCH EXISTING ELEVATION
477.09	PROPOSED SPOT GRADE
TC	TOP OF CURB ELEVATION
G	GUTTER ELEVATION
TP	TOP OF PAVEMENT
TG	TOP OF GRATE
TOP	TOP OF STRUCTURE
TW	TOP OF WALL AT GRADE
BW	BOTTOM OF WALL AT GRADE
TS	TOP OF STAIR ELEVATION
BS	BOTTOM OF STAIR ELEVATION
BC	BUILDING CORNER AT GRADE
FF	FINISHED FLOOR ELEVATION
NG	NATURAL GRADE
H. P. / L. P.	ELEVATION HIGH POINT / ELEVATION LOW POINT
0.0%	% SLOPE/GRADE
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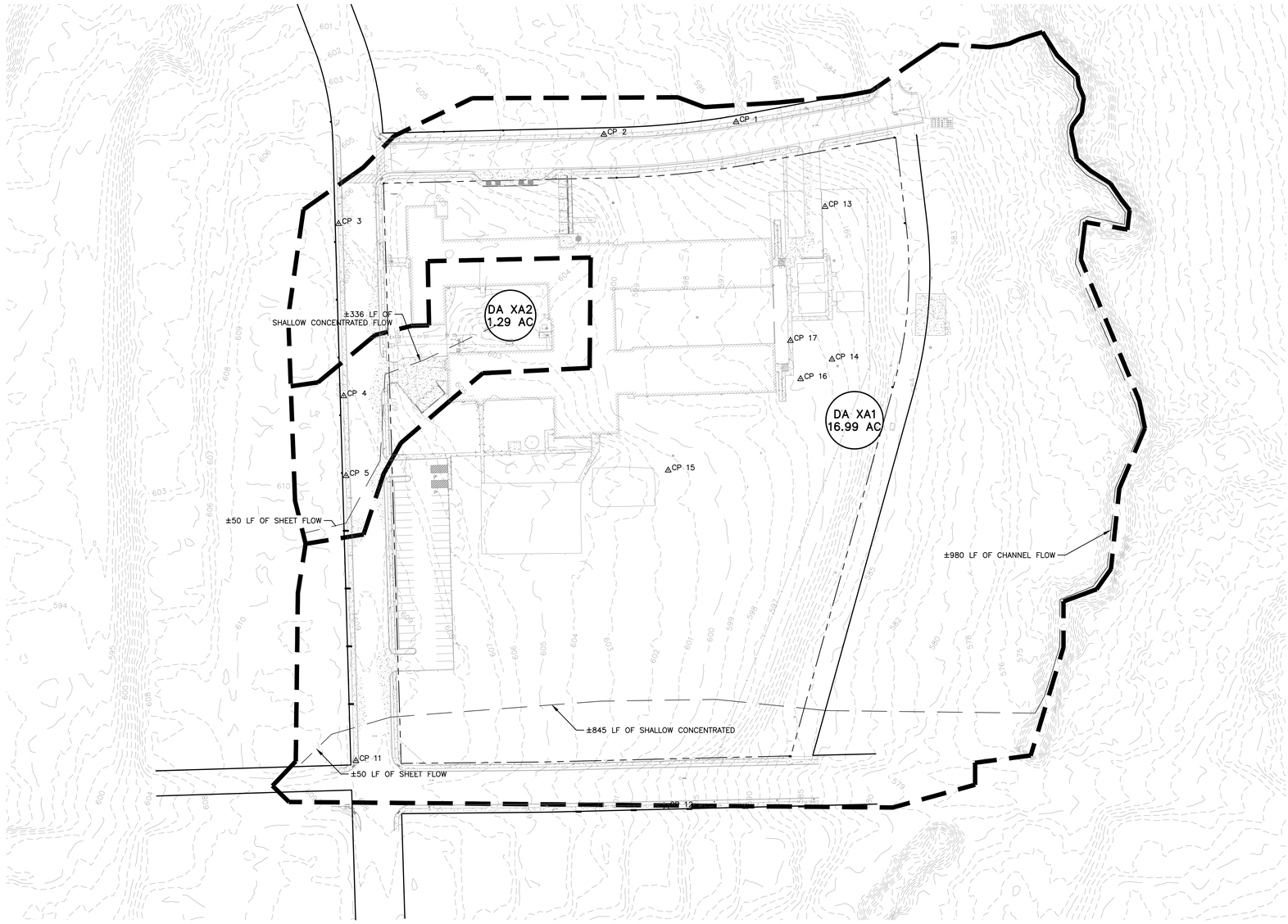
Grading Plan

C5.01

Project Name: ORG. #235 BAES Date:10/18/2024



GRAPHIC SCALE

0 20 40

(IN FEET)
1 inch = 20 ft.

Legend

- SS — EXISTING SANITARY SEWER LINE
- W — EXISTING WATER LINE (DOM.)
- F — EXISTING WATER LINE (FIRE)
- CW — EXISTING CHILL WATER LINE
- EXISTING STORM SEWER LINE
- G — EXISTING GAS LINE
- EU — EXISTING UNDERGROUND ELECTRIC
- E — PROP. ELECTRIC (REF. MEP)
- W — PROP. WATER LINE
- SS — PROP. SANITARY SEWER LINE
- CO — PROP. SANITARY CLEANOUT
- STORM — PROP. STORM SEWER LINE
- SD — PROP. JUNCTION BOX OR STORM MANHOLE
- PROP. CURB INLET
- 478 — EXISTING CONTOUR AND ELEVATION
- 478 — PROPOSED CONTOUR AND ELEVATION
- PROPOSED DRAINAGE SWALE
- DRAINAGE FLOW ARROWS
- X–X / X.XX — DRAINAGE AREA NO. / AREA (ACRES)
- DRAINAGE AREA BOUNDARY

Weighted "C" Calculation				
Area No.	Weighted Coefficients "C"	Pervious Area (SF)	Impervious Area (SF)	Total Area (SF)
XA1	0.46	539,160	201,048	740,207
XA2	0.68	20,912	35,321	56,233

Standard C value	
0.3	Pervious
0.9	Impervious

PRE-DEVELOPMENT											
Area No.	Area (AC)	C	Tc (min)	I2 (in/hr)	Q2 (CFS)	I10 (in/hr)	Q10 (CFS)	I25 (in/hr)	Q25 (CFS)	I100 (in/hr)	Q100 (CFS)
XA1	16.99	0.46	16	3.89	30.60	5.52	43.46	6.52	51.32	8.02	63.10
XA2	1.29	0.68	10	4.78	4.18	6.80	5.94	8.05	7.03	9.94	8.69
				Total	**34.77**		**49.41**		**58.35**		**71.79**

Pre-Development Time of Concentration														
	Overland Sheet Flow				Shallow Concentrated Flow					Channel Flow			Total Tc (min)	Min. TC
Drainage Area	Length (ft)	Slope (ft/ft)	"n"	Tc (min)	Length (ft)	Condition	Slope	Vel (ft/s)	Tc (min)	Length (ft)	Vel (ft/s)	Tc (min)		
XA1	50	0.050	0.15	3.5	844.55	Unpaved	0.009	1.57	9.0	980.09	4.5	3.6	16.096	16.00
XA2	50	0.050	0.15	3.5	335.83	Unpaved	0.101	5.13	1.1	0	4.5	0.0	4.592	10.00

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CITY OF DALLAS BENCHMARK 64–X–6

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JQ IMEG
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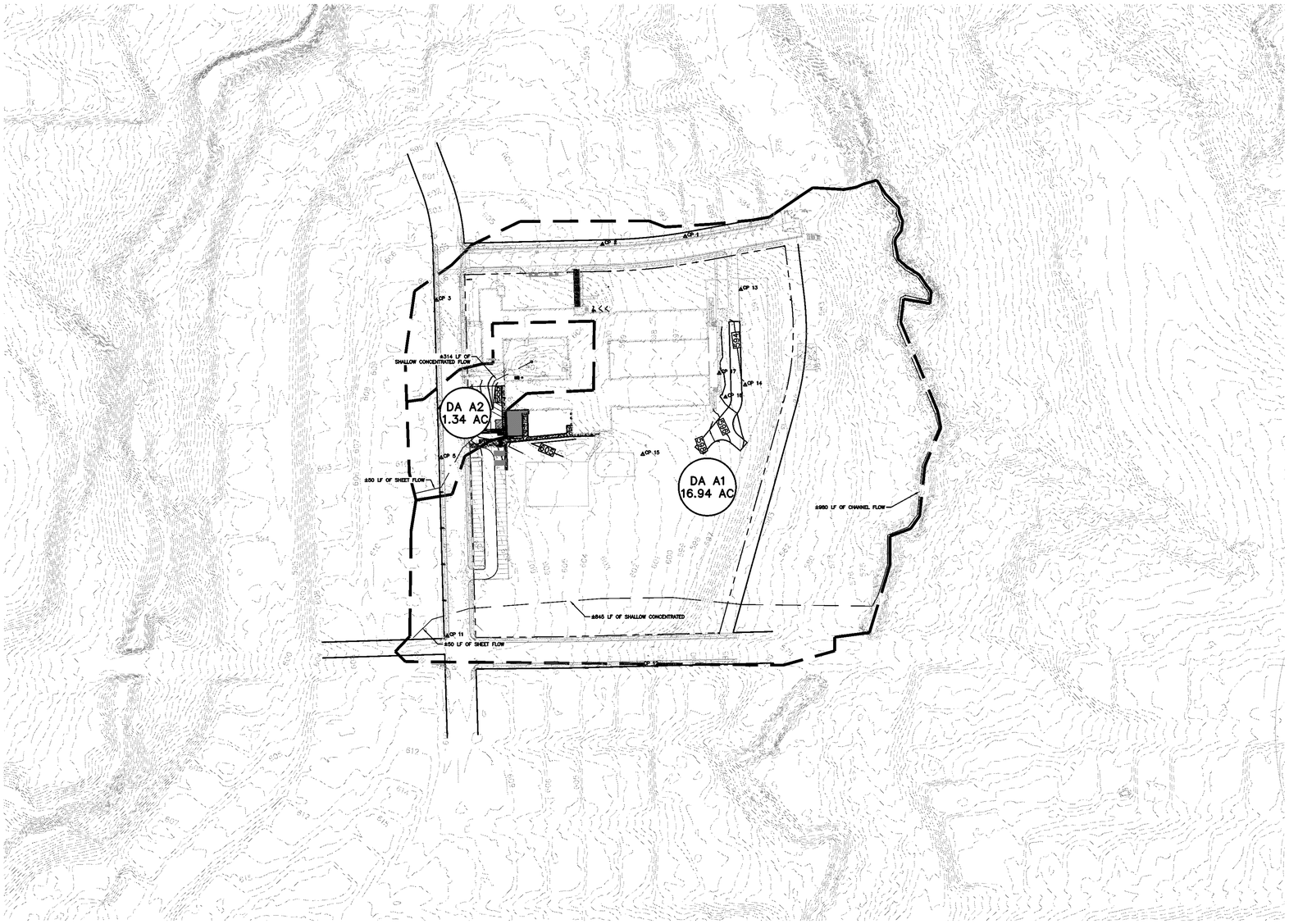

GRAPHIC SCALE

0 40 80

(IN FEET)
1 inch = 40 ft.

Legend

- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE (DOM.)
- EXISTING WATER LINE (FIRE)
- EXISTING CHILL WATER LINE
- EXISTING STORM SEWER LINE
- EXISTING GAS LINE
- EXISTING UNDERGROUND ELECTRIC
- PROP. ELECTRIC (REF. MEP)
- PROP. WATER LINE
- PROP. SANITARY SEWER LINE
- PROP. SANITARY CLEANOUT
- PROP. STORM SEWER LINE
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- PROPOSED CONTOUR AND ELEVATION
- PROPOSED DRAINAGE SWALE
- DRAINAGE FLOW ARROWS
- DRAINAGE AREA NO. / AREA (ACRES)
- DRAINAGE AREA BOUNDARY

Weighted "C" Calculation

Area No.	Weighted Coefficients "C"	Pervious Area (SF)	Impervious Area (SF)	Total Area (SF)
A1	0.47	529,769	208,138	737,906
A2	0.68	21,126	37,297	58,423

Standard C value	
0.3	Pervious
0.9	Impervious

POST-DEVELOPMENT

Area No.	Area (AC)	C	Tc (min)	I2 (in/hr)	Q2 (CFS)	I10 (in/hr)	Q10 (CFS)	I25 (in/hr)	Q25 (CFS)	I100 (in/hr)	Q100 (CFS)	Pre. Vs Post 100-yr (+=increase) CFS
A1	16.94	0.47	16	3.89	30.92	5.52	43.88	6.52	51.83	8.02	63.75	0.65
A2	1.34	0.68	10	4.78	4.38	6.80	6.23	8.05	7.37	9.94	9.11	0.42
Total	18.28				**35.30**		**50.11**		**59.20**		**72.86**	**1.07**

	Overland Sheet Flow				Shallow Concentrated Flow					Channel Flow				
Drainage Area	Length (ft)	Slope (ft/ft)	"n"	Tc (min)	Length (ft)	Condition	Slope	Vel (ft/s)	Tc (min)	Length (ft)	Vel (ft/s)	Tc (min)	Total Tc (min)	Min Tc
A1	50	0.050	0.15	3.5	844.55	Unpaved	0.009	1.57	9.0	980.09	4.5	3.6	16.096	16
A2	50	0.050	0.15	3.5	335.83	Unpaved	0.101	5.13	1.1	0	4.5	0.0	4.592	10

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Post-Development DAM

C7.00

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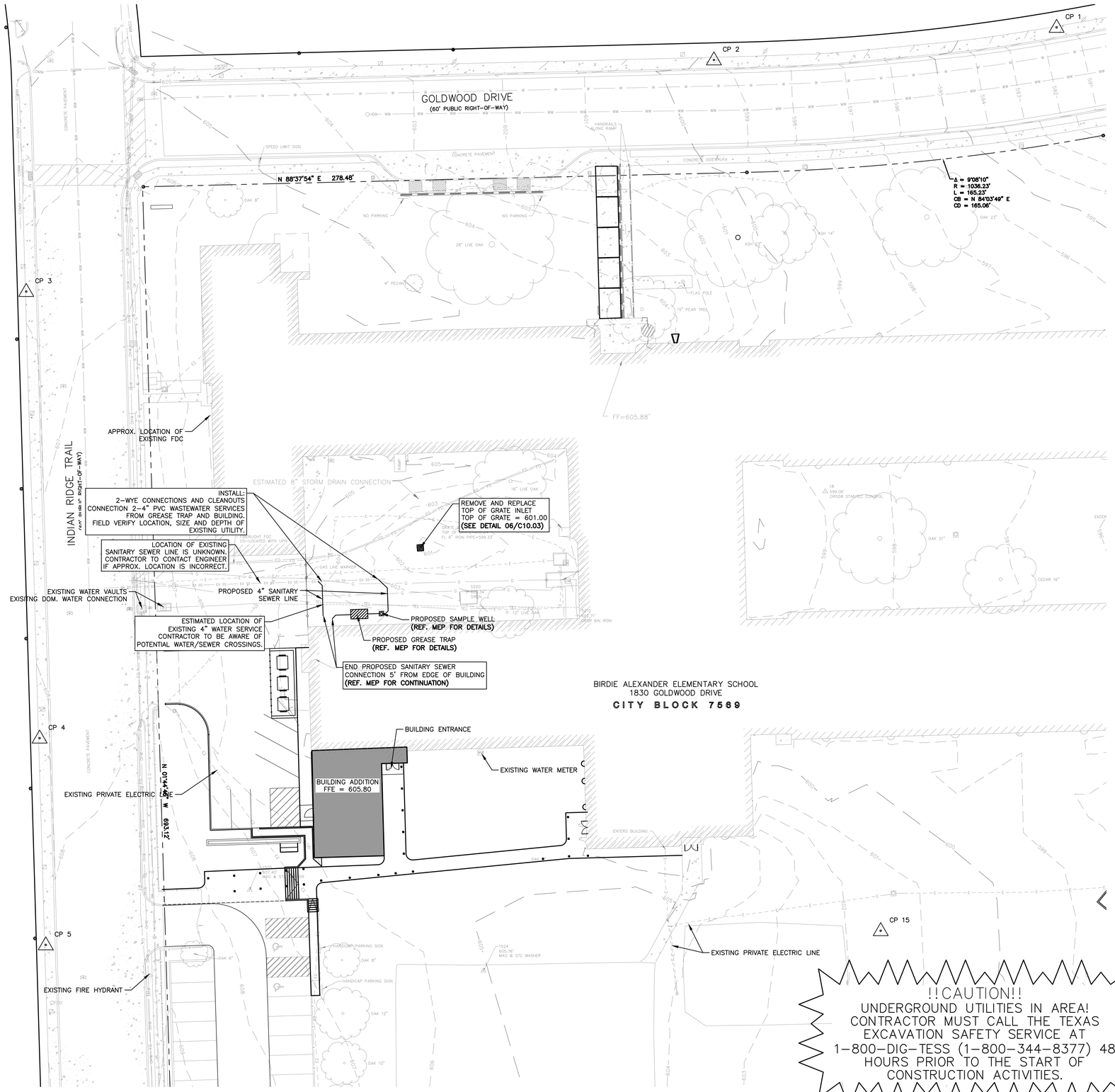

N

GRAPHIC SCALE

0 20 40

(IN FEET)
1 inch = 20 ft.

Legend

- SS — EXISTING SANITARY SEWER LINE
- W — EXISTING WATER LINE
- ESTIMATED EXISTING WATER LINE
- SD — EXISTING STORM SEWER LINE
- G — EXISTING GAS LINE
- E — EXISTING UNDERGROUND ELECTRIC
- E — PROP. ELECTRIC (REF. MEP)
- G — PROP. GAS LINE (REF. MEP)
- TEL — PROP. TELECOM CONDUIT (REF. MEP)
- CW — PROP. CHILL WATER LINE (REF. MEP)
- W — PROP. WATER LINE
- PROP. WATER VALVE
- PROP. FIRE HYDRANT
- SS — PROP. SANITARY SEWER LINE
- PROP. SANITARY MANHOLE
- PROP. SANITARY CLEANOUT
- SD — PROP. STORM SEWER LINE
- PROP. JUNCTION BOX OR MANHOLE
- O/H — OVERHEAD ELECTRIC LINE
- EXISTING / PROPOSED POWER POLE

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Utility Plan

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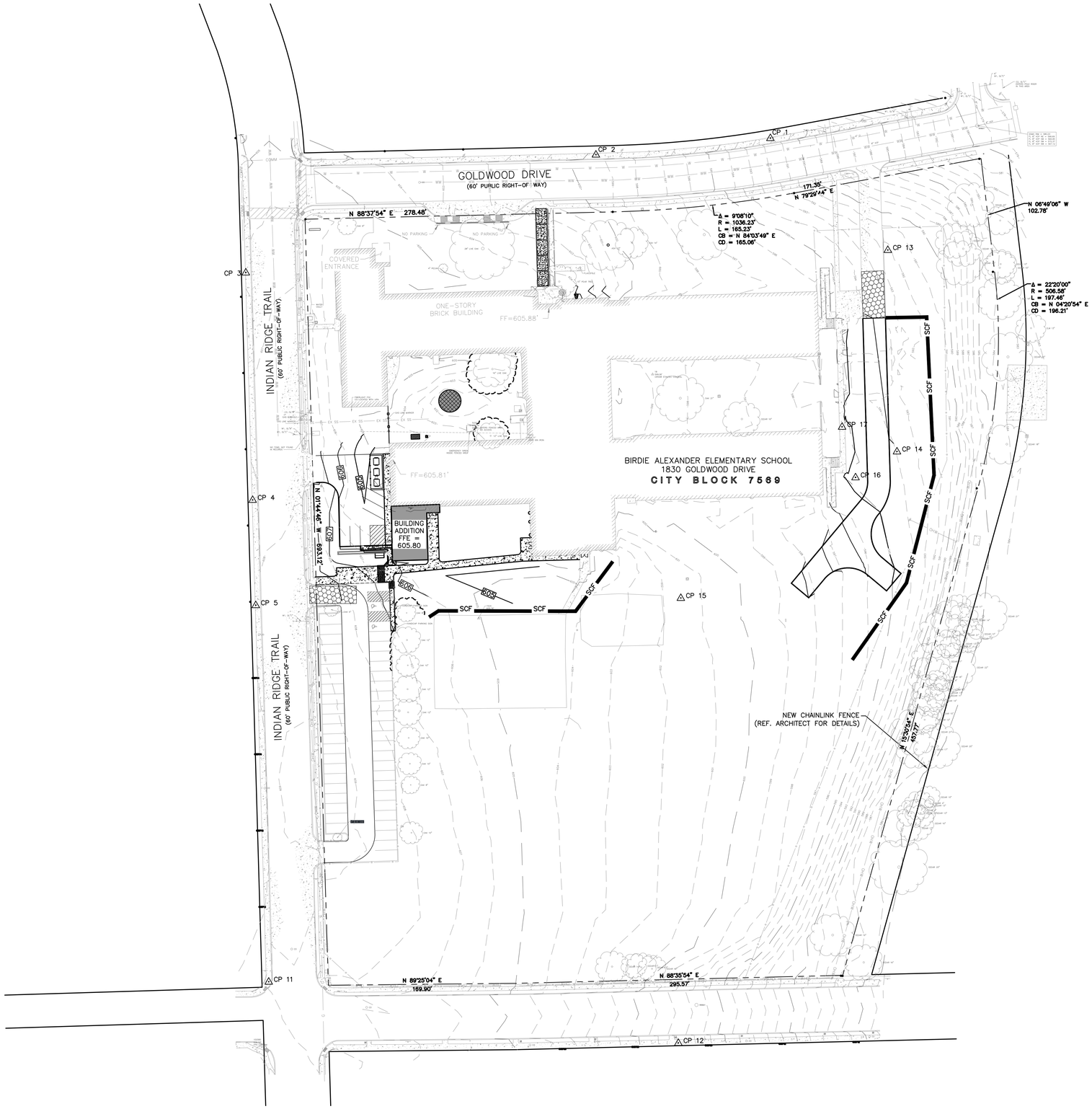

N

GRAPHIC SCALE

0 40 80

(IN FEET)
1 inch = 40 ft.

Legend

- EXISTING CONTOUR AND ELEVATION (478)
- PROPOSED CONTOUR AND ELEVATION (478)
- CONSTRUCTION ENTRANCE (SEE DETAIL02 & 05/C10.02)
- SILT FENCE (SEE DETAIL 01/C10.02)
- INLET PROTECTION (SEE DETAIL 03 & 04/C10.02)
- TREE PROTECTION (SEE LANDSCAPE PLANS FOR DETAILS)

REFERENCE BENCHMARK

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) UTILIZING GPS CORRECTIONS FROM THE LEICA GEOSYSTEMS NORTH TEXAS SMARTNET NETWORK AND ADDITIONALLY REFERENCED TO THE NATIONAL GEODETIC SURVEY (NGS) GEOID MODEL 12B.

CITY OF DALLAS BENCHMARK 64-W-1

A CITY OF DALLAS BENCH MARK IS SET ON TOP OF A CONCRETE CURB AT THE POINT OF CURVE AT THE SOUTHEAST CORNER OF THE INTERSECTION.
PUBLISHED ELEVATION = 609.21' (NGVD29)
STANTEC GPS ELEVATION = 609.33' (NAVD88)

CITY OF DALLAS BENCHMARK 64-X-6

SQUARE ON CONCRETE CURB OF INLET ON THE SOUTH SIDE OF KIRNWOOD DR. AND 250' WEST OF MIRAGE CANYON DR.
PUBLISHED ELEVATION = 614.87' (NGVD29)
STANTEC GPS ELEVATION = 614.82' (NAVD88)

SITE BENCHMARKS

CONTROL POINT NO. 1:
MAG NAIL WITH WASHER STAMPED "STANTEC" SET IN SIDEWALK AS SHOWN HEREON
ELEVATION = 592.27'

CONTROL POINT NO. 3:
MAG NAIL WITH WASHER STAMPED "STANTEC" SET IN SIDEWALK AS SHOWN HEREON
ELEVATION = 606.86'

JQ IMEG
100 GLASS STREET
DALLAS, TX 75207
214.752.9098 www.imegcorp.com
TEXAS FIRM REGISTRATION #F-26651

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS

STATE OF TEXAS
OVIDIU M. SIPOS
111707
LICENSED
PROFESSIONAL ENGINEER

01/19/2026

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ISSUES & REVISIONS

No.	Date	Revision

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TLC Engineering
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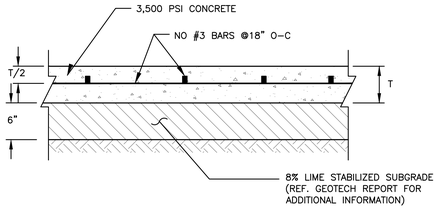
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

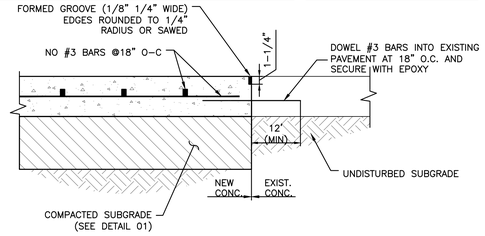
Erosion Control Plan

C9.00

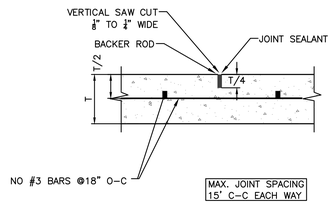


T= 6" FOR DRIVE LANES, BUS LANES, AND FIRE LANES
7" FOR DUMPSTER TRAFFIC AREAS

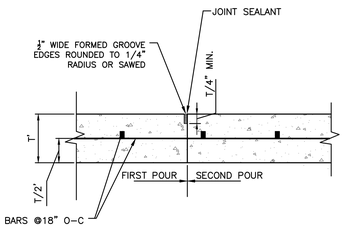
01 CONCRETE PAVEMENT SECTION
N.T.S.



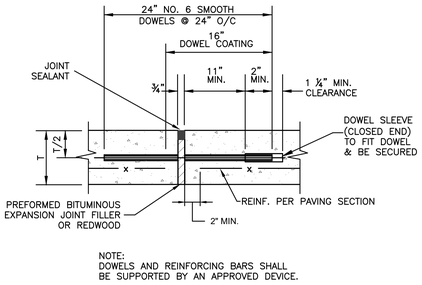
02 CONCRETE PAVEMENT CONNECTION
N.T.S.



03 SAWED DUMMY (CONTROL) JOINT
N.T.S.

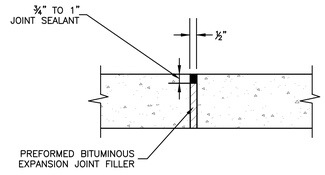


04 CONSTRUCTION JOINT
N.T.S.

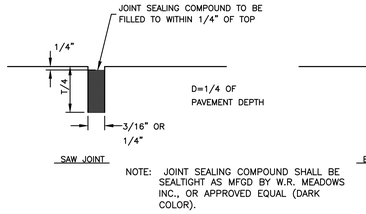


NOTE:
DOWELS AND REINFORCING BARS SHALL BE SUPPORTED BY AN APPROVED DEVICE.

05 EXPANSION JOINT DETAIL
N.T.S.

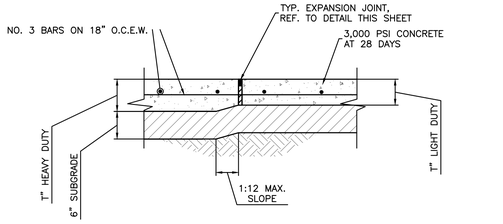


06 ISOLATION JOINT DETAIL
N.T.S.

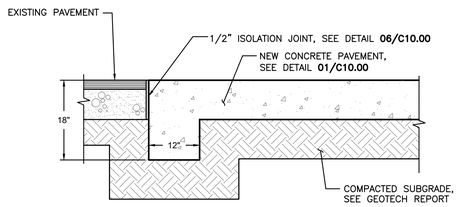


NOTE: JOINT SEALING COMPOUND SHALL BE SEALTIGHT AS MFGD BY W.R. MEADOWS INC., OR APPROVED EQUAL (DARK COLOR).

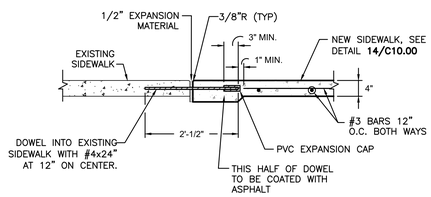
07 JOINT SEALANT DETAIL
N.T.S.



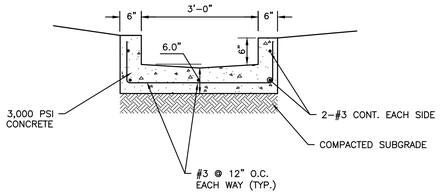
08 HEAVY TO LIGHT CONCRETE TRANSITION
N.T.S.



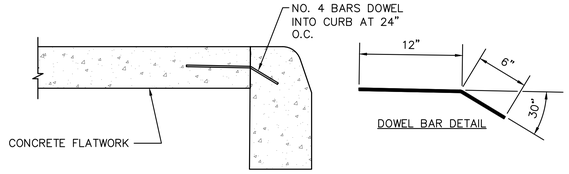
09 PAVEMENT JUNCTION DETAIL CONCRETE TO ASPHALT
N.T.S.



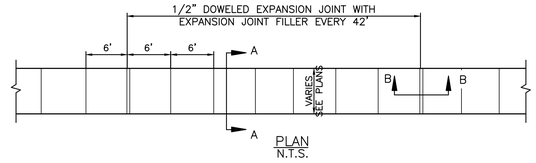
10 TO NEW SIDEWALK TYPICAL EXISTING SIDEWALK
N.T.S.



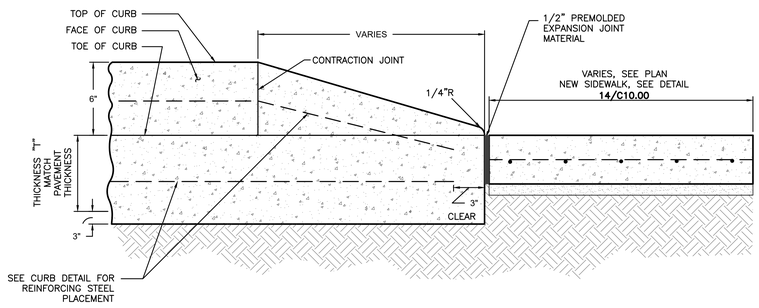
11 FLUME DETAIL
N.T.S.



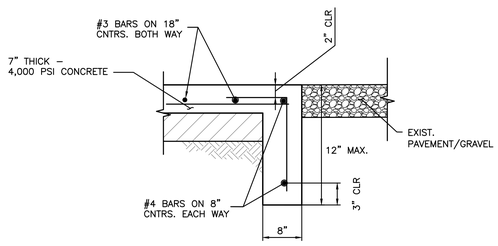
CONCRETE CURB/CONCRETE FLATWORK JUNCTION
N.T.S.



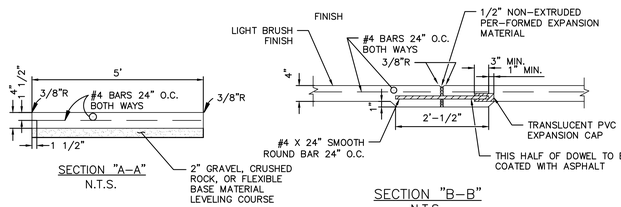
PLAN
N.T.S.



12 TRANSITION CURB
N.T.S.



13 TURN DOWN EDGE DETAIL
N.T.S.



SECTION "A-A"
N.T.S.

SECTION "B-B"
N.T.S.

NOTE:
1. CROSS SLOPE OF SIDEWALK SHALL BE 1:50 MAXIMUM.
2. SEE PLANS FOR WIDTH.
3. SIDEWALK SHALL BE 4" 3000 PSI CONCRETE UNLESS OTHERWISE SPECIFIED BY OWNER.
4. ALL HONEYCOMB IN BACK OF CURB TO BE TROWEL-PLASTERED BEFORE POURING SIDEWALK.
5. LUG MAY BE FORMED BY SHAPING SUBGRADE TO APPROXIMATE DIMENSIONS SHOWN.
6. DOWEL INTO EXISTING SIDEWALK WITH NO.4 X 24" ON CENTER.
7. REFERENCE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
8. SIDEWALKS LESS THAN 5 FEET IN WIDTH SHALL BE PROVIDED WITH A PASSING SPACE AT A MAXIMUM SPACING OF 200 FEET.
9. ALL JOINTS TO BE SEALED.

14 REINFORCED CONCRETE SIDEWALK
N.T.S.

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS

STATE OF TEXAS
OVIDIU M. SIPOS
111707
LICENSED PROFESSIONAL ENGINEER
01/19/2026

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100 GLASS STREET
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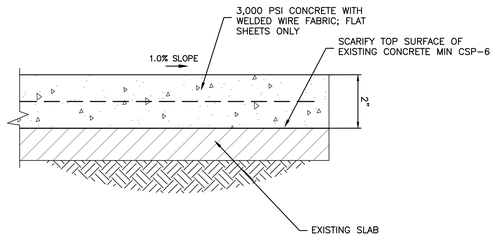
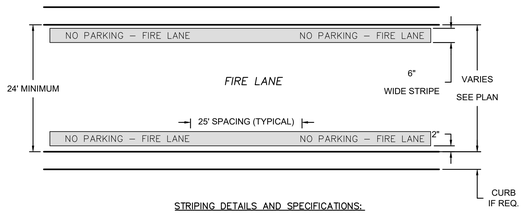
214.752.9098 www.imegcorp.com
TEXAS FIRM REGISTRATION #F-28651

Civil Details

C10.00



15 SIDEWALK TOPPING DETAIL
N.T.S.



STRIPING DETAILS AND SPECIFICATIONS:

GENERAL NOTES:

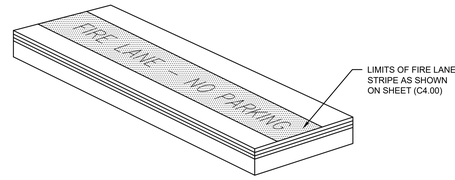
A. STRIPING TO BE DONE IN ACCORDANCE WITH CITY OF DALLAS.

STRIPING DETAIL NOTES:

A. PAINT:
   1. STRIPE SHALL BE SIX (6) INCHES WIDE PAINTED WITH AN EXTERIOR ACRYLIC LATEX PAINT.
   2. COLOR FOR STRIPS SHALL BE "TRAFFIC RED" GLIDDEN NO. 63251 OR EQUAL
   3. LETTERS SHALL BE FOUR (4) INCHES HIGH PAINTED WITH AN EXTERIOR ACRYLIC LATEX PAINT.
   4. COLOR FOR LETTERS SHALL BE "TRAFFIC WHITE" GLIDDEN NO. 563245 OR EQUAL AT 25 FEET INTERVAL.

B. APPLICATION:
   1. STRIPE MAY BE BRUSHED OR SPRAYED, ONE COAT FINISH.
   2. LETTERS SHALL BE STENCIL FORMED, BRUSH APPLIED AND SPACED AS DETAILED ON THIS SHEET OR EVERY 40 FEET ALONG THE ENTIRE LENGTH OF THE FIRE LANE.

16 FIRE LANE STRIPING
N.T.S.



FIRE LANE – NO PARKING

ALTERNATE VIEW

17 FIRE LANE MARKING
N.T.S.

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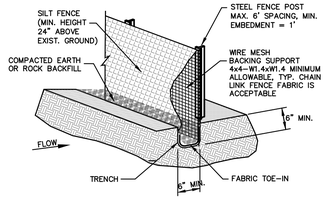
Civil Details

C10.01

Project Name: ORG. #235 BAES Date:10/18/2024

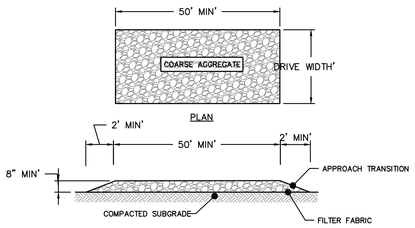


ISOMETRIC PLAN VIEW

SILT FENCE GENERAL NOTES

1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
5. INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

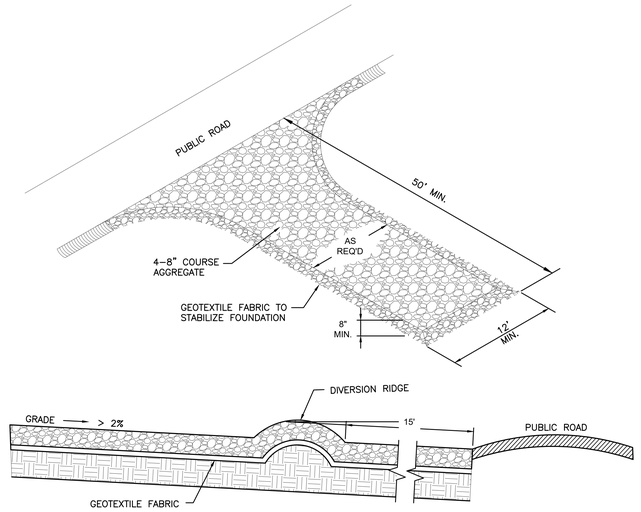
01 SILT FENCE INSTALLATION
N.T.S.



CONSTRUCTION ENTRANCE NOTES

1. UNTIL PERMANENT PAVEMENT HAS BEEN PLACED WITHIN DESIGNATED CONSTRUCTION ENTRANCE AREA, CONTRACTOR SHALL PROVIDE AGGREGATE BASE AS PER THIS DRAWING.
2. STONE SIZE: 3" TO 5" OPEN GRADED ROCK; LENGTH: AS EFFECTIVE BUT NOT LESS THAN 50 FEET IN LENGTH.
3. FILTER FABRIC INSTALLED PRIOR TO INSTALLATION OF ROCK, ON TOP OF EXISTING SOIL OR COMPACTED BASE MATERIAL.
4. WASHING: WHEN NECESSARY, VEHICLE WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE AND DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, WATERCOURSE OR ROADWAY USING APPROVED METHODS.
5. MAINTENANCE: THE EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO A PUBLIC ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AS WELL AS REPAIR AND CLEAN OUT OF ANY MEASURE DEVICES USED TO TRAP SEDIMENT. ALL SEDIMENT THAT IS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
6. DRAINAGE: EXIT MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
7. LOCATION OF SEDIMENT BASIN TO BE DETERMINED BY SLOPE OF AREA WHERE STABILIZED EXIT IS LOCATED. TO BE INSTALLED DOWNSTREAM OF STABILIZED CONSTRUCTION ENTRANCE.

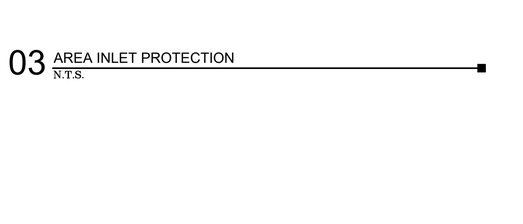
02 CONSTRUCTION ENTRANCE
N.T.S.



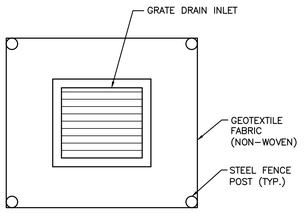
MATERIALS:
1. THE AGGREGATE SHOULD CONSIST OF 4 TO 8 INCH WASHED STONE OVER A STABLE FOUNDATION AS SPECIFIED IN THE PLAN.
2. THE AGGREGATE SHOULD BE PLACED WITH A MINIMUM THICKNESS OF 8 INCHES.
3. THE GEOTEXTILE FABRIC SHOULD BE DESIGNED SPECIALLY FOR USE AS A SOIL FILTRATION MEDIA WITH AN APPROPRIATE WEIGHT OF 6 oz/yd², A MULLEN BURST RATING OF 140 lbs/in², AND AN EQUIVALENT OPENING SIZE GREATER THAN A NUMBER 50 SIEVE.
4. IF A WASHING FACILITY IS REQUIRED, A LEVEL AREA WITH A MINIMUM OF 4 INCH DIAMETER WASHED STONE OR COMMERCIAL RACK SHOULD BE INCLUDED IN THE PLANS. DIVERT WASTEWATER TO A SEDIMENT TRAP OR BASIN.

INSTALLATION: (NORTH CAROLINA, 1993)
1. AVOID CURVES ON PUBLIC ROADS AND STEEP SLOPES. REMOVE VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA. GRADE CROWN FOUNDATION FOR POSITIVE DRAINAGE.
2. THE MINIMUM WIDTH OF THE ENTRANCE/EXIT SHOULD BE 12 FEET OR THE FULL WIDTH OF EXIT ROADWAY, WHICHEVER IS GREATER.
3. THE CONSTRUCTION ENTRANCE SHOULD BE AT LEAST 50 FEET LONG.
4. IF THE SLOPE TOWARDS THE ROAD EXCEEDS 2%, CONSTRUCT A RIDGE, 6 TO 8 INCHES HIGH WITH 3:1 (H:V) SIDE SLOPES, ACROSS THE FOUNDATION APPROXIMATELY 15 FEET FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE PUBLIC ROAD.
5. PLACE GEOTEXTILE FABRIC AND GRADE FOUNDATION TO IMPROVE STABILITY. ESPECIALLY WHERE WET CONDITIONS ARE ANTICIPATED.
6. PLACE STONE TO DIMENSIONS AND GRADE SHOWN ON PLANS. LEAVE SURFACE SMOOTH AND SLOPE FOR DRAINAGE.
7. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN.
8. INSTALL PIPE UNDER PAD AS NEEDED TO MAINTAIN PROPER PUBLIC ROAD DRAINAGE.

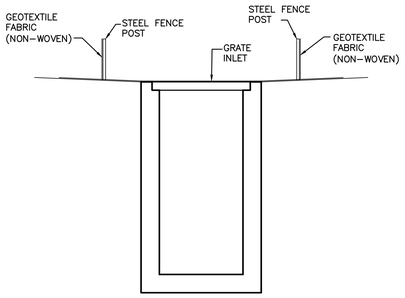
05 STABILIZED CONSTRUCTION EXIT
N.T.S.



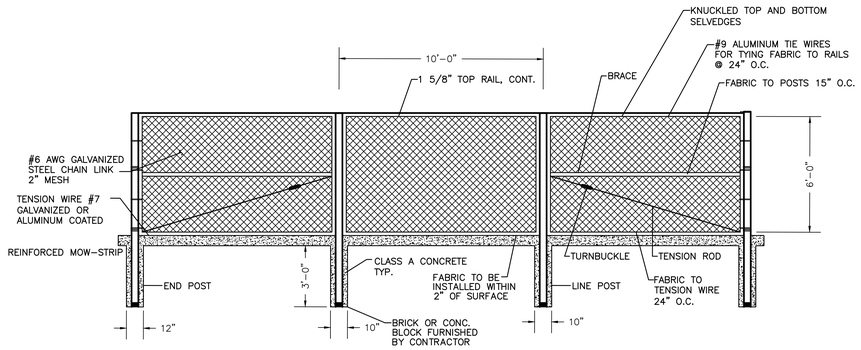
03 AREA INLET PROTECTION
N.T.S.



NOTE:
DURING INLET CONSTRUCTION AND PRIOR TO PAVING, USE VERTICAL SILT FENCING SCREEN IN LIEU OF GRAVEL BAGS.



04 GRATE INLET PROTECTION
N.T.S.



ELEVATION VIEW

NOTES:
1. ALL METAL PARTS SHALL BE HOT–DIPPED GALVANIZED.
2. FENCES AND GATES SHALL BE FURNISHED COMPLETE WITH ALL NECESSARY FITTINGS AND HARDWARE.
3. FOR GATES, SIZES OF PIPES, SAG RODS AND TURNBUCKLES SHALL BE MANUFACTURER'S STANDARD WHICH ALSO MEET THE REQUIREMENTS OF THIS DRAWING.
4. POSTS SHALL BE ROLLED OR EXTRUDED SECTIONS OR TUBING OF STEEL OR ALUMINUM CAPABLE OF WITHSTANDING A LATERAL FORCE OF 100 POUNDS APPLIED AT THE TOP. ALL HOLLOW POSTS SHALL BE CAPPED.
5. STANDARD PIPE SIZES INDICATED ARE NOMINAL DIAMETER SCHEDULE 40 PER AMERICAN STANDARDS ASSOCIATION (ASA) B 36.10.
6. FENCE MEASUREMENTS TO BE VERIFIED BY CONTRACTOR PRIOR TO INSTALLATION.

ASTM A53 SCHEDULE 40–FENCE POSTS		
USE	O.D.	SCH. 40 WT./FT. IN LBS
TOP RAIL	1 5/8"	2.27
LINE POST	2 3/8"	3.65
GATE POST	6 5/8"	18.97
END POST	2 7/8"	5.79

06 CHAIN LINK FENCE DETAIL
N.T.S.

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS

STATE OF TEXAS · OVIDIU M. SIPOS · 111707 · LICENSED PROFESSIONAL ENGINEER
01/19/2026

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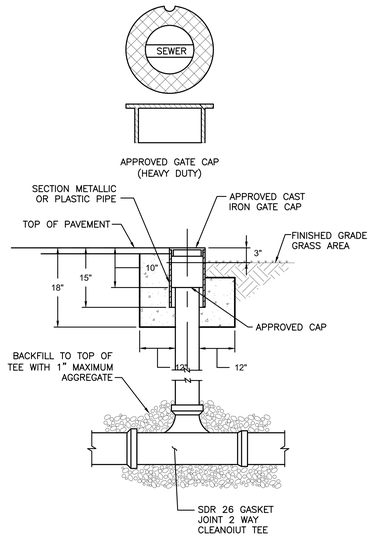
JQ IMEG
100 CLASS STREET
DALLAS, TX 75207
214.752.9098 www.imegcorp.com
TEXAS FIRM REGISTRATION #F-26651

Civil Details

C10.02

Project Name: ORG. #235 BAES Date:10/18/2024



01 TWO-WAY CLEANOUT TEE DETAIL
N.T.S.

PVC SANITARY SEWER
BEDDING MATERIAL
BEDDING MATERIAL SHALL BE COMPOSED OF SAND MEETING THE REQUIREMENTS OF ASTM C33.

INITIAL BACKFILL
INITIAL BACKFILL SHALL CONSIST OF SAND WHICH TO CONFORMS TO THE REQUIREMENTS FOR BEDDING MATERIAL.

SECONDARY BACKFILL
SECONDARY BACKFILL SHALL CONSIST OF MATERIAL REMOVED FROM THE TRENCH AND SHALL BE FREE OF BRUSH, DEBRIS AND TRASH. NO ROCK OR STONES HAVING ANY DIMENSION LARGER THAN SIX INCHES (6") AT THE LARGEST DIMENSION SHALL BE USED IN THE SECONDARY BACKFILLING ZONE. SECONDARY BACKFILL SHALL BE PRIMARILY COMPOSED OF COMPACTIBLE SOIL MATERIALS.

PVC WATER
BEDDING MATERIAL
BEDDING MATERIAL SHALL BE COMPOSED OF SAND WHICH CONFORMS TO THE REQUIREMENTS OF ASTM C33.

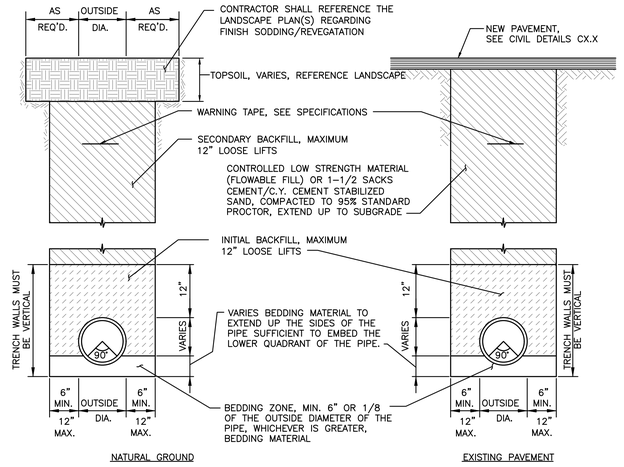
INITIAL BACKFILL
INITIAL BACKFILL SHALL CONSIST OF SAND WHICH TO CONFORMS TO THE REQUIREMENTS FOR BEDDING MATERIAL.

SECONDARY BACKFILL
SECONDARY BACKFILL SHALL CONSIST OF MATERIAL REMOVED FROM THE TRENCH AND SHALL BE FREE OF BRUSH, DEBRIS AND TRASH. NO ROCK OR STONES HAVING ANY DIMENSION LARGER THAN SIX INCHES (6") AT THE LARGEST DIMENSION SHALL BE USED IN THE SECONDARY BACKFILLING ZONE. SECONDARY BACKFILL SHALL BE PRIMARILY COMPOSED OF COMPACTIBLE SOIL MATERIALS.

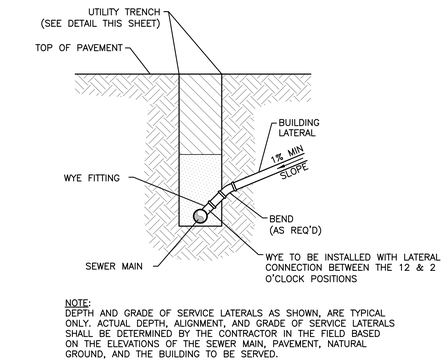
RCP STORM SEWER
BEDDING MATERIAL
BEDDING MATERIAL SHALL BE COMPOSED OF CRUSHED STONE OR CRUSHED GRAVEL.

INITIAL BACKFILL
INITIAL BACKFILL SHALL CONSIST OF SAND WHICH TO CONFORMS TO THE REQUIREMENTS FOR BEDDING MATERIAL.

SECONDARY BACKFILL
SECONDARY BACKFILL SHALL CONSIST OF MATERIAL REMOVED FROM THE TRENCH AND SHALL BE FREE OF BRUSH, DEBRIS AND TRASH. NO ROCK OR STONES HAVING ANY DIMENSION LARGER THAN SIX INCHES (6") AT THE LARGEST DIMENSION SHALL BE USED IN THE SECONDARY BACKFILLING ZONE. SECONDARY BACKFILL SHALL BE PRIMARILY COMPOSED OF COMPACTIBLE SOIL MATERIALS.

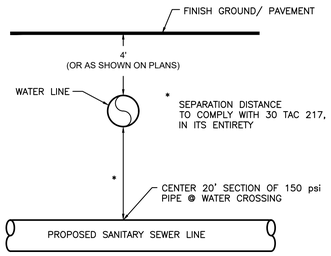


02 TYPICAL TRENCH BACKFILL DETAIL
N.T.S.

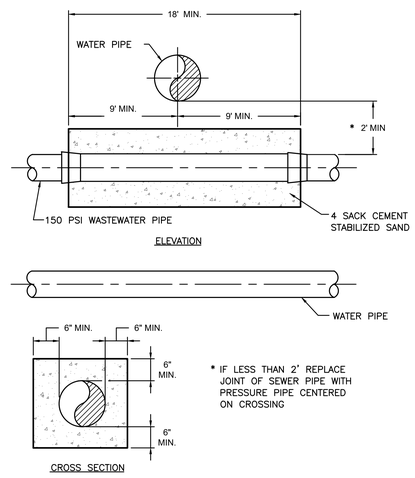


NOTE:
DEPTH AND GRADE OF SERVICE LATERALS AS SHOWN, ARE TYPICAL ONLY. ACTUAL DEPTH, ALIGNMENT, AND GRADE OF SERVICE LATERALS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD BASED ON THE ELEVATIONS OF THE SEWER MAIN, PAVEMENT, NATURAL GROUND, AND THE BUILDING TO BE SERVED.

03 TYPICAL LATERAL CONNECTION DETAIL
N.T.S.



04 TYPICAL SANITARY SEWER & WATER CROSSING DETAIL
N.T.S.



05 WATER - WASTEWATER CROSSING DETAIL
N.T.S.

06 ADA COMPLIANT GRATE INLET
N.T.S.

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS

STATE OF TEXAS
OVIDIU M. SIPOS
111707
LICENSED
REGISTERED ENGINEER

01/19/2026

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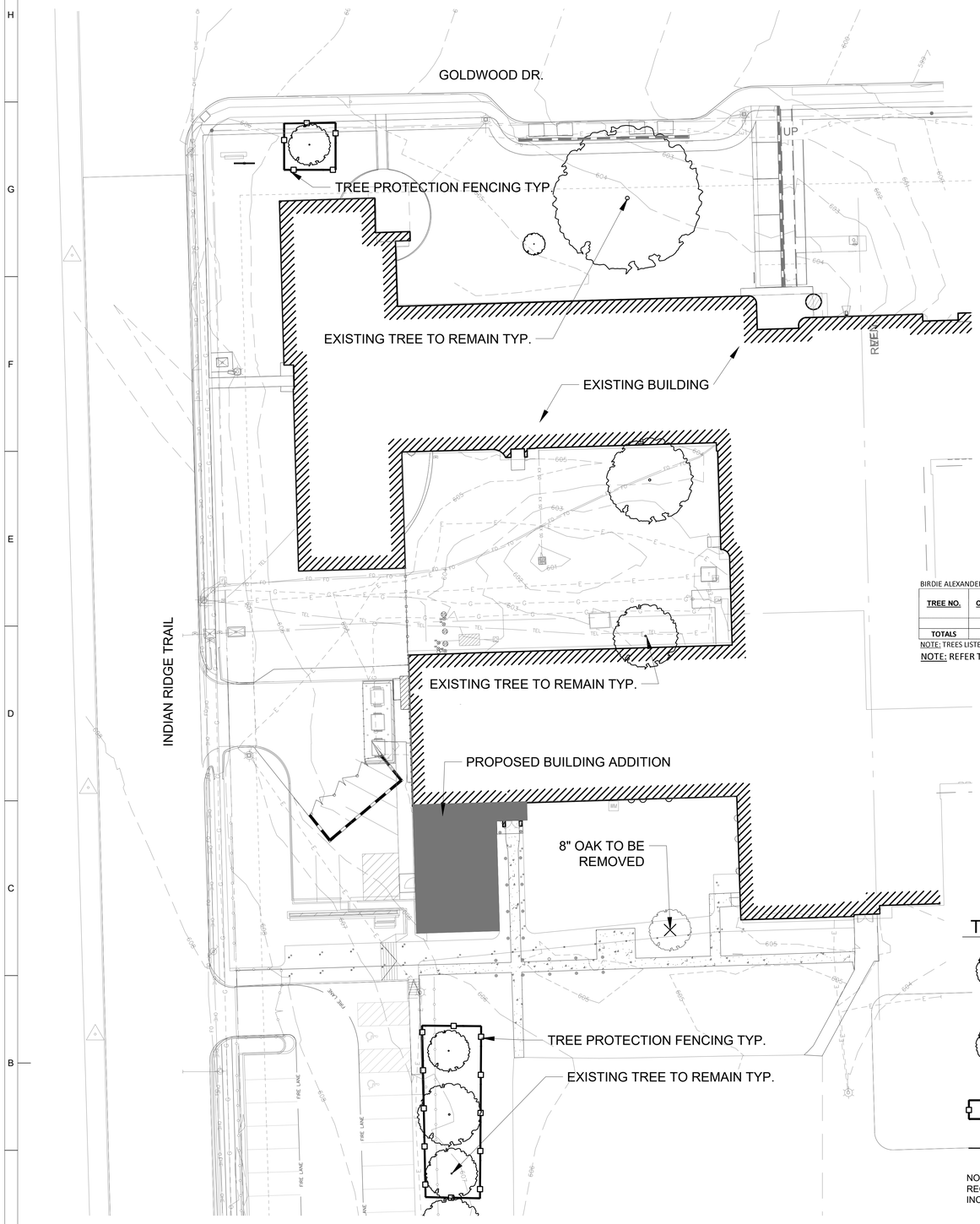
100 GLASS STREET
DALLAS, TX 75207
214.752.9088 www.imeqcorp.com
TEXAS FIRM REGISTRATION #F-26651

Civil Details

C10.03

Project Name: ORG. #235 BAES Date:10/18/2024



1 BIRDIE ELEMENTARY DISD - TREE CONSERVATION AND REMOVAL PLAN
1" = 20'-0"

BIRDIE ALEXANDER - LIST OF REMOVED TREES

TREE NO.	COMMON NAME	SCIENTIFIC NAME	DIAMETER (INCHES)	PROTECTED SPECIES	REMOVE / REMAIN	CLASS	MITIGATIN RATIO	CALIPER INCH REMOVED	CALIPER INCH MITIGATE	MITIGATION FEE	TREE CREDIT
	OAK		8.0	Y	REMOVE	CLASS 2	0.7:1	5.6	3.9	$ 756.56	
TOTALS			**8.0**					**5.6**	**3.9**	**$ 756.56**	**0**

NOTE: TREES LISTED ARE WITHIN 60-FEET OF CONSTRUCTION AND WITHIN PROPERTY LINES

NOTE: REFER TO L1.00 FOR FINAL MITIGATION FEES AFTER PLANTING

DALLAS TREE MITIGATION FEES		
TOTAL CALIPER INCHES TO BE MITIGATED:	6	CALIPER INCHES,
TOTAL CALIPER INCHES REMOVED / MITIGATE:	6	CALIPER INCHES REMOVED
TOTAL CALIPER INCHES PLANTED:	- 9	CALIPER INCHES PLANTED
DIFFERENCE =	0	CALIPER INCHES
	x $193	MITIGATION FEE PER CALIPER INCH
TOTAL PAYMENT INTO THE REFORESTATION FUND AFTER NEW PLANTING:	$0.00	

***NOTE: REF. L 4.00 FOR PLANTING PLANS.

TREE PROTECTION AND REMOVAL LEGEND

- APPROXIMATE LIMIT OF CANOPY/ CRITICAL ROOT ZONE/DRIP EDGE
- EXISTING TREE TO REMAIN
  30" OAK
- DRIP EDGE
- EXISTING TREE TO REMOVE
  16" HACKBERRY
- TREE PROTECTION FENCING, REF. DETAILS/L1.01
- PROPERTY LINE

NOTE: CHAIN LINK TREE PROTECTION FENCING REQUIRED FOR ALL PRESERVED TREES 24-CALIPER INCHES AND LARGER PRE CITY OF DALLAS CODE.

0 20 40 60 80 feet
1" = 20"

NORTH

NOTE: DO NOT PARK, DRIVE, STAGE MATERIALS OR OTHERWISE PLACE ANYTHING UNDER EXISTING TREES TO REMAIN, INCLUDING THOSE NOT SHOWN ON THE PLANS. ALL EXISTING TREES ON SITE SHALL BE PROTECTED WITH THE UTMOST IMPORTANCE AND TREE CARE AS DIRECTED BY THE LANDSCAPE ARCHITECT.

NOTE: ALL TREE PROTECTION FENCING TO REMAIN IN-PLACE THROUGHOUT CONSTRUCTION INCLUDING DEMOLITION OF EXISTING BUILDING AND SITE AND CONSTRUCTION OF NEW BUILDING AND SITE ELEMENTS.

Bid and Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX. 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

REGISTERED LANDSCAPE ARCHITECT
JACLYN MARIE SZAFRANIC
3165
STATE OF TEXAS
10/18/2024

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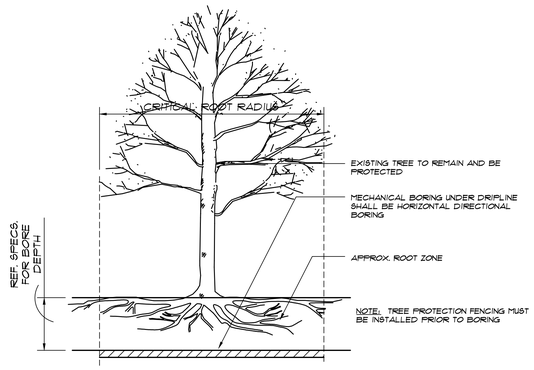
TREE CONSERVATION PLAN

L1.00

Project Name: ORG. #235 BAES Date:10/18/2024



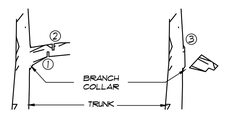
6 BORING UNDER OR NEAR CROWN DRIPLINE - ELEVATION
NOT TO SCALE

USE TO REMOVE TREE LIMBS AS NECESARY. COMPLY WITH HORTICULTURAL PRACTICES.

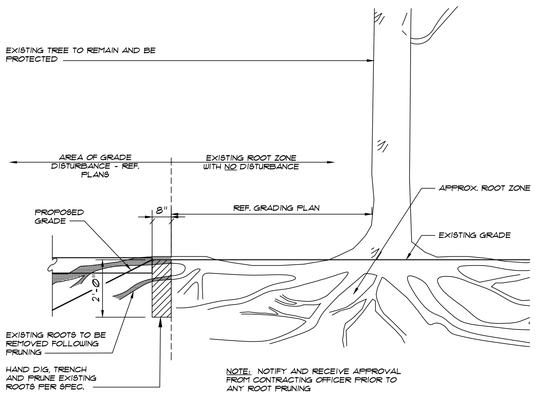
STEP 1: SAW BOTTOM CUT APPROX. 6-12" AWAY FROM TRUNK AND APPROX. ⅓ OF THE WAY THROUGH THE LIMB.
STEP 2: MAKE A SECOND CUT APPROX. 3" FURTHER FROM THE TRUNK THAN THE FIRST CUT UNTIL THE WEIGHT OF THE BRANCH PULLS THE BRANCH DOWN.
STEP 3: CUT THE STUB BACK TO THE COLLAR OF THE BRANCH - DO NOT CUT FLUSH WITH TRUNK.

REMOVE AND DISPOSE OF ALL BRANCHES PER NOTES ON SHEET L1 AND SPECIFICATIONS.

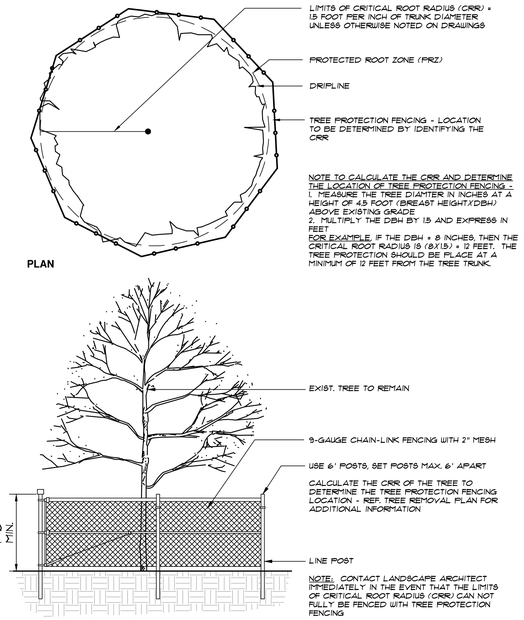
NOTE: PRIOR TO LIMB REMOVAL ON EXISTING TREES, GET WRITTEN PERMISSION AND FIELD VERIFICATION FROM OWNER'S REPRESENTATIVE.



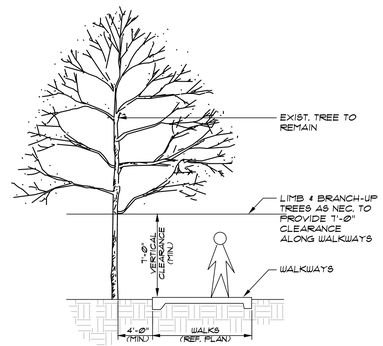
7 3-CUT LIMB PRUNING
NOT TO SCALE



8 ROOT PRUNING AT EXISTING TREES - SECTION
NTS

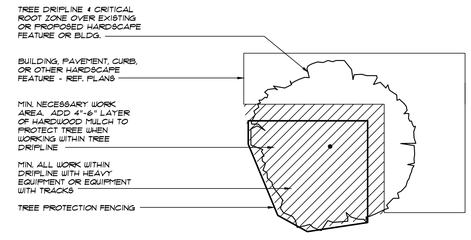


4 TREE PROTECTION FENCING - CHAIN LINK FENCE
NOT TO SCALE

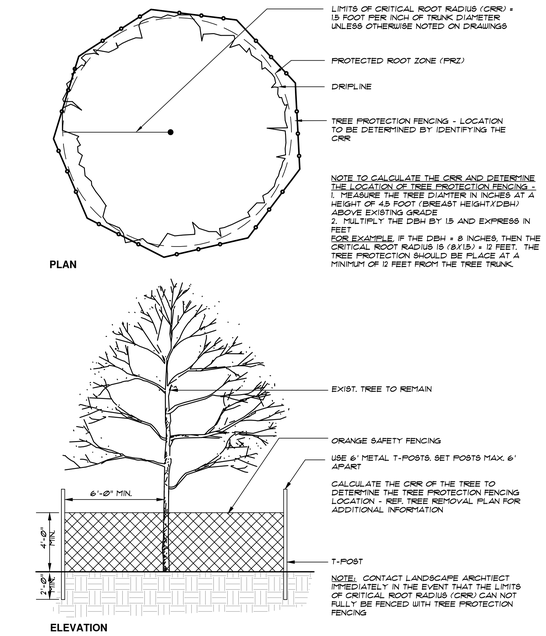


5 TREE CLEARANCE AT WALK
NOT TO SCALE

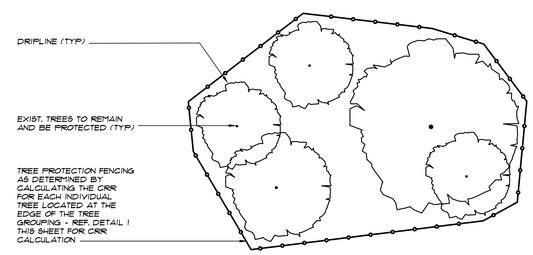
NOTE: DO NOT PARK, DRIVE, STAGE MATERIALS OR OTHERWISE PLACE ANYTHING UNDER EXISTING TREES TO REMAIN, INCLUDING THOSE NOT SHOWN ON THE PLANS. ALL EXISTING TREES ON SITE SHALL BE PROTECTED WITH THE UTMOST IMPORTANCE AND TREE CARE AS DIRECTED BY THE LANDSCAPE ARCHITECT.



1 TREE PROT. FENCE NEAR CONSTRUCTION ACTIVITY
NOT TO SCALE



2 TREE PROTECTION FENCING - ORANGE SAFETY FENCE
NOT TO SCALE



3 TREE PROT. FENCE NEAR CONSTRUCTION ACTIVITY
NOT TO SCALE

Bid and Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

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DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
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p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

REGISTERED LANDSCAPE ARCHITECT 3165 STATE OF TEXAS
10/18/2024

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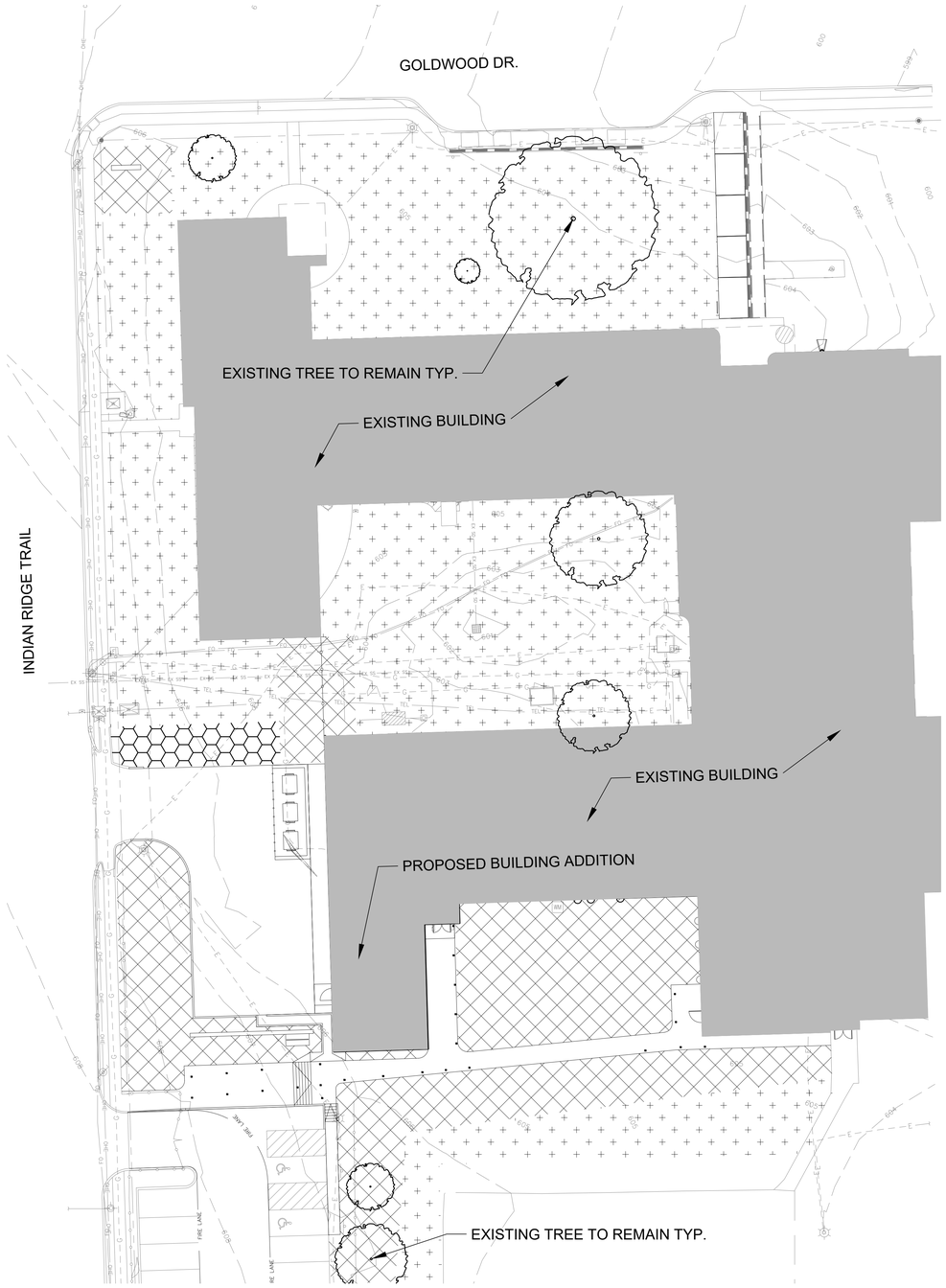
TREE CONSERVATION DETAILS

L1.01

Project Name: ORG. #235 BAES Date:10/18/2024



LEGEND

- ZONE 1 - PROTECTED ZONE: SOIL AND VEGETATION NOT DISTURBED
- ZONE 2 - ZONE FOR SOIL AMENDMENT OR TREATMENT WITH MINIMAL DISTURBANCE
- ZONE 3 - ZONE OF CONSTRUCTION TRAFFIC AND STAGING
- ZONE 4 - ZONE FOR STOCKPILING TOPSOIL AND IMPORTED SOIL AMENDMENT
- EXISTING BUILDING
- ARTIFICIAL LOT

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NOTE: ALL TREE PROTECTION FENCING TO REMAIN IN-PLACE THROUGHOUT CONSTRUCTION INCLUDING DEMOLITION OF EXISTING BUILDING AND SITE AND CONSTRUCTION OF NEW BUILDING AND SITE ELEMENTS.

1 BIRDIE ELEMENTARY DISD - SOIL RESOURCE PLAN
1" = 20'-0"

0 20 40 60 80 feet
1" = 20'

NORTH

Bid and Permit Issue

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REGISTERED LANDSCAPE ARCHITECT JACLYN DARK SZAFRANIC 3165 STATE OF TEXAS
10/18/2024

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Written dimensions on these drawings shall have precedence over scale dimensions. Contractors shall be responsible for all dimensions and conditions on the job. HarrisonKornberg Architects, LLC must be notified of any variation from the dimension and conditions shown by these drawings.

ISSUES & REVISIONS

No.	Date	Revision

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Jaclyn Szafranic
T: 214-739-9105

JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 214-752-9092

Contact: Hunter Harris
T: 972-878-7648

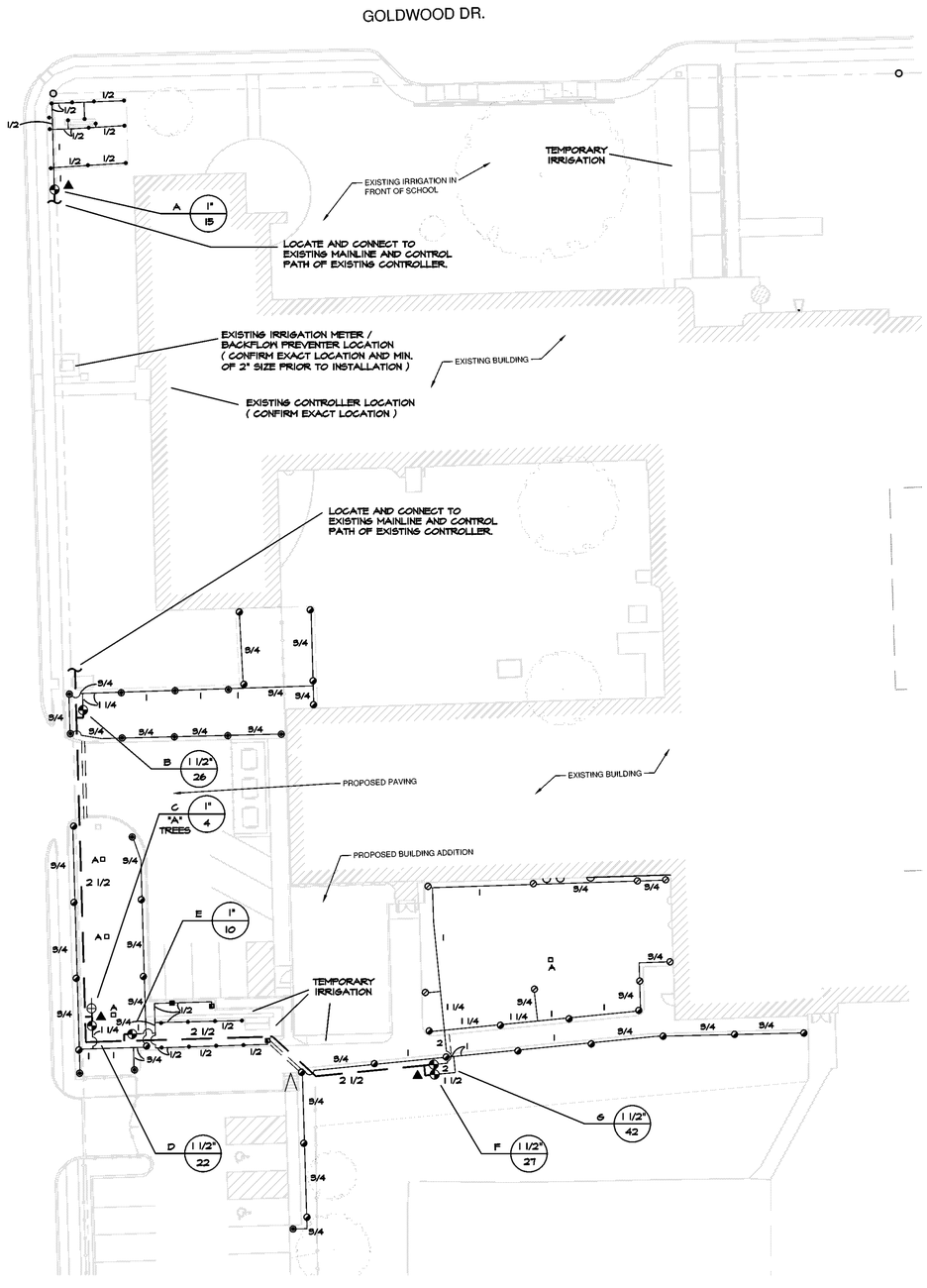
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

SOIL RESOURCE PLAN

L2.00



1 BIRDIE ELEMENTARY DISD - IRRIGATION PLAN
1" = 20'-0"

0 20 40 60 80 feet
1" = 20'

NORTH

LEGEND

- HUNTER PROS-06-PRS30 SERIES POP UP SPRAY HEADS WITH HUNTER MSBN-50H STREAM BUBBLER NOZZLES. (TWO PER SHADE TREE) SEE INSTALLATION NOTE #13 REGARDING TREE BUBBLER LATERAL PIPE
- HUNTER PROS-04-PRS30 SERIES POP UP SPRAY HEAD WITH SS / ES SERIES STRIP NOZZLE, UNLESS NOTED OTHERWISE.
- HUNTER PROS-04-PRS30 SERIES POP UP SPRAY HEAD WITH PRO SPRAY SERIES NOZZLE AS NOTED BELOW
- HUNTER ICV SERIES ELECTRIC REMOTE CONTROL VALVE WITH BL-5201 SINGLE STATION bICODER
- HUNTER ICV SERIES ELECTRIC REMOTE CONTROL, "TREE BUBBLER ZONE" VALVE WITH BL-5201 SINGLE STATION bICODER SEE INSTALLATION NOTE #13 REGARDING TREE BUBBLER LATERAL PIPE
- HUNTER PGP ULTRA, ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, #1.55R BLACK NOZZLE UNLESS NOTED OTHERWISE
- HUNTER PGP ULTRA, ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, #2.5 BLUE NOZZLE UNLESS NOTED OTHERWISE
- HUNTER PGP ULTRA, ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, #4.0 BLUE NOZZLE UNLESS NOTED OTHERWISE
- HUNTER HQ-33-LRC-R QUICK COUPLING VALVE WITH LOCKING PURPLE COVER AND 3/4" PVC BALL VALVE
- LASCO "VIOIN" SERIES SCH. 80 PVC TRUE UNION BALL VALVE, MAINLINE SIZE
- CLASS 200 PVC MAINLINE PIPE
- CLASS 200 (EXCEPT 1/2 INCH #315) PVC LATERAL PIPE
- ONE 4" CLASS 200 SLEEVE PIPE, UNLESS NOTED OTHERWISE
- TWO 4" CLASS 200 SLEEVE PIPES, UNLESS NOTED OTHERWISE

BORES SHALL BE REQUIRED AT ALL EXISTING PAVING CROSSINGS WHERE EXISTING SLEEVES ARE NOT PRESENT.

L.I.C. SHALL SELECT PRO-SPRAY SPRAY NOZZLES FOR "HEAD-TO-HEAD" COVERAGE, ADJUSTED FOR NO OVERSPRAY ONTO WALLS AND WALKS. NO OVERSPRAY INTO STREETS IS PERMITTED.

EQUIPMENT AND INSTALLATION SHALL MEET ALL DALLAS INDEPENDENT SCHOOL DISTRICT IRRIGATION REQUIREMENTS. L.I.C. SHALL COORDINATE WITH D.I.S.D. STANDARDS / SPECS PRIOR TO CONSTRUCTION.

COORDINATION WITH EXISTING TREES

NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN THE ROOT ZONE OF EXISTING TREES. HAND-DIG ONLY, WITHIN THE ROOT ZONES OF EXISTING TREES. NO ROOTS OVER 1" DIAMETER SHALL BE CUT. STAKE ALL PROPOSED TRENCH ROUTES NEAR EXISTING TREES FOR APPROVAL BY THE LANDSCAPE ARCHITECT BEFORE DIGGING BEGINS.

TEMPORARY IRRIGATION

THE CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN AND PROVIDE TEMPORARY IRRIGATION FOR THE ESTABLISHMENT OF ALL PROPOSED PLANT MATERIALS LOCATED OUTSIDE THE LIMITS OF COVERAGE PROVIDED BY THE PERMANENT SYSTEM.

CONTROLLER STATION — VALVE SIZE / FLOW IN G.P.M.

NOTE: DO NOT PARK, DRIVE, STAGE MATERIALS OR OTHERWISE PLACE ANYTHING UNDER EXISTING TREES TO REMAIN, INCLUDING THOSE NOT SHOWN ON THE PLANS. ALL EXISTING TREES ON SITE SHALL BE PROTECTED WITH THE UTMOST IMPORTANCE AND TREE CARE AS DIRECTED BY THE LANDSCAPE ARCHITECT.

Bid and Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-339-0688
f. 713-229-9092
Contact: Ben Saucedo

STATE OF TEXAS — BENJAMIN E. SAUCEDO — 105004 — LICENSED IRRIGATOR
10 / 15 / 2024

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Contact: Sherri Myers
T: 972-245-5300

James Pole
IRRIGATION CONSULTANTS
IRRIGATION DESIGN, CONSULTING, AND LANDSCAPE WATER MANAGEMENT
TEXAS L.I.C. 9658
P.O. BOX 1548
DENTON, TEXAS 76202
PHONE: 940.248.2364
jamespoleirrigation.com

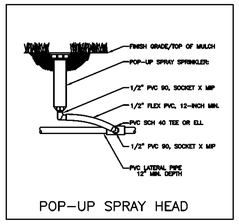
EPA WaterSense PARTNER

IRRIGATION IN TEXAS IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) (MC-178) P.O. BOX 13087 T.C.E.Q.'S WEB SITE IS: WWW.TCEQ.STATE.TX.US

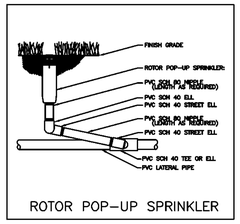
IRRIGATION PLAN

L3.00

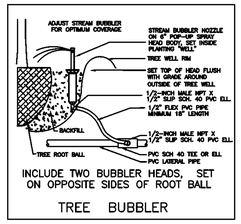
Project Name: ORG. #235 BAES Date:10/18/2024



POP-UP SPRAY HEAD

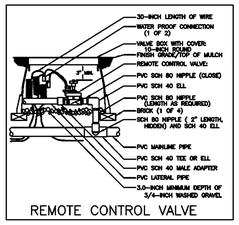


ROTOR POP-UP SPRINKLER

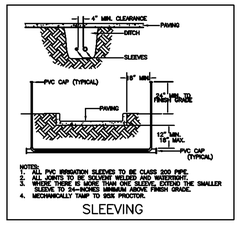


INCLUDE TWO BUBBLER HEADS, SET ON OPPOSITE SIDES OF ROOT BALL

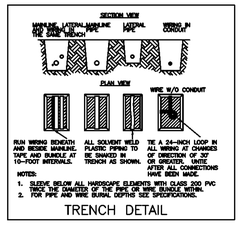
TREE BUBBLER



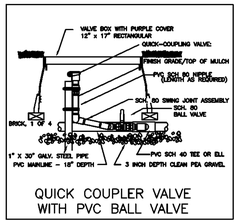
REMOTE CONTROL VALVE



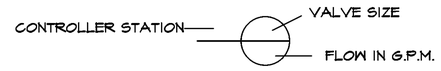
SLEEVING



TRENCH DETAIL



QUICK COUPLER VALVE
WITH PVC BALL VALVE



COORDINATION WITH EXISTING TREES

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TEMPORARY IRRIGATION

THE CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN AND PROVIDE TEMPORARY IRRIGATION FOR THE ESTABLISHMENT OF ALL PROPOSED PLANT MATERIALS LOCATED OUTSIDE THE LIMITS OF COVERAGE PROVIDED BY THE PERMANENT SYSTEM.

SURGE SUPRESSION

1. ALL GROUNDING RODS SHALL BE BARE COPPER OF 5/8" DIAMETER OR GREATER, AND 8' LENGTH OR GREATER.
2. ALL GROUNDING PLATES SHALL BE 5 SQUARE FEET, TYPICALLY 4" BY 46", AS OUTLINED IN ASIC EARTH GROUNDING GUIDELINE 100-2002.
3. GROUND RODS AND PLATES SHALL BE LOCATED AT A MINIMUM DISTANCE TO ASSURE THAT THE TWO-WIRE PATH IS OUTSIDE THE ELECTRODE SPHERE OF INFLUENCE FOR THE GROUNDING ROD. FOR AN 8' GROUDING ROD, THIS MEANS THAT THE GROUNDING ROD MUST BE CONNECTED AT LEAST 8' AWAY FROM THE TWO-WIRE PATH, AT A RIGHT ANGLE.
4. CONSULT THE ASIC EARTH GROUNDING GUIDELINE 100-2002 FOR CORRECT MINIMUM RECOMMENDED DISTANCES FOR DIFFERENT GROUND ROD OR GROUND PLATE SIZES AND GROUNDING GRID DESIGNS.
5. LIGHTNING ARRESTORS SHOULD BE INSTALLED IN AN APPROPRIATE IRRIGATION BOX, AND SHOULD BE CONNECTED TO THE biLine OR BACKBONE WIRE IN ACCORDANCE WITH THE BL-LA01 SPECIFICATION AND GROUND ROD AND PLATE GUIDELINE.
6. LIGHTNING ARRESTORS SHOULD BE CONNECTED TO BARE COPPER GROUND WIRES USING SCREW CLAMP OR CADWELD TYPE CONNECTORS.

BASELINE TWO-WIRE INSTALLATION

THE IRRIGATION CONTRACTOR SHALL RECEIVE FACTORY TRAINING FROM BASELINE BEFORE INSTALLATION BEGINS.

CONTACT BASELINE REPRESENTATIVE MR. JOHN DUBOSE 214.632.2284

"TWO-WIRE" PATH CONTROL WIRES SHALL BE BASELINE "biLine II" CONTROL CABLE #14.

ALL WIRE SPLICES MUST BE MADE IN A VALVE BOX WITH DBY-6 DIRECT-BURIAL WATERPROOF CONNECTORS. ALL CONNECTIONS IN THE TWO-WIRE PATHS (OUTSIDE THE CONTROLLER ENCLOSURE) SHALL BE MADE WITH 3M DBR-6 WATERPROOF, STRAIN-RELIEVING DIRECT BURIAL CONNECTORS, OR EXACT EQUALS.

14 AWG/1MM DIA. WIRE SHALL BE USED FOR ALL DECODER-TO-SOLENOID CONNECTIONS. IN HIGH LIGHTNING AREAS THIS WIRE SHALL BE TWISTED TO MAXIMIZE SURGE SUPPRESSION.

THE INSTALLER SHALL PROVIDE ADEQUATE EARTH GROUND (NOT TO EXCEED 10 OHMS, OR IN COMPLIANCE WITH PRACTICES AS DEFINED IN AMERICAN SOCIETY OF IRRIGATION CONSULTANTS EARTH GROUNDING GUIDELINE 100-2002, AVAILABLE AT WWW.ASIC.ORG) AND CONNECT IT TO THE TWO-WIRE PATH EVERY 500 FEET, AND AT END RUNS AS SHOWN ON THE PLAN. GROUND HARDWARE SHALL BE A 5/8" x 8' COOPER CLAD GROUND ROD.

GROUND CONNECTIONS FROM DECODER GROUND LEAD TO GROUNDING HARDWARE SHALL BE MADE BY JOINING THE 12AWG (2MM DIA.) DECODER GROUND WIRE WITH A 10AWG (2.5MM DIA.) SOLID COPPER LEAD IN AN APPROVED WIRE NUT OF APPROPRIATE SIZE, INSERTED IN A DBR-6 WATERPROOF DIRECT BURIAL CONNECTOR, OR WITH AN APPROVED WIRE CLAMP. GROUND HARDWARE SHALL EXTEND AT RIGHT ANGLES FROM THE TWO-WIRE RED/BLUE PATH.

INSTALLATION NOTES

1. COORDINATE IRRIGATION INSTALLATION WITH PLANTING PLAN AND SITE CONDITIONS TO PROVIDE COMPLETE COVERAGE WITH MINIMUM OVERSPRAY. THE IRRIGATION CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO ENSURE PROPER COVERAGE AT NO ADDITIONAL COST TO THE OWNER. THE IRRIGATION CONTRACTOR SHALL COMPLY WITH ALL LOCAL AND STATE MANDATED IRRIGATION ORDINANCES AND CODES, AND WILL SECURE ALL REQUIRED PERMITS. L.I.C. SHALL PAY ANY ASSOCIATED FEES UNLESS OTHERWISE NOTED. ALL LOCAL CODES SHALL PREVAIL OVER ANY DISCREPANCIES HEREIN AND SHALL BE ADDRESSED BEFORE ANY CONSTRUCTION BEGINS.
2. NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN THE ROOT ZONE OF EXISTING TREES. HAND-DIG ONLY, WITHIN THE ROOT ZONES OF EXISTING TREES. NO ROOTS OVER 1" DIAMETER SHALL BE CUT. STAKE ALL PROPOSED TRENCH ROUTES NEAR EXISTING TREES FOR APPROVAL BY THE LANDSCAPE ARCHITECT BEFORE DIGGING BEGINS.
3. CONFIRM MINIMUM STATIC WATER PRESSURE OF 65 PSI AT THE HIGHEST ELEVATION OF THE SYSTEM LIMITS, AND MAXIMUM STATIC WATER PRESSURE OF 90 P.S.I. AT THE LOWEST ELEVATION OF THE SYSTEM LIMITS AT LEAST 7 DAYS BEFORE BEGINNING WORK. IF STATIC WATER PRESSURE IS OUTSIDE THE RANGE STATED ABOVE, DO NOT PROCEED UNTIL DIRECTED BY THE LANDSCAPE ARCHITECT.
4. LATERAL PIPE SHALL BE INSTALLED AT A MINIMUM DEPTH OF 12 INCHES. MAINLINE PIPE AND WIRES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 18 INCHES. NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN EXISTING TREE ROOT ZONES. WHEN HAND - TRENCHING WITHIN EXISTING TREE ROOT ZONES, NO ROOTS LARGER THAN 1" DIAMETER SHALL BE CUT.
5. ALL PIPES AND WIRES LOCATED UNDER PAVEMENT SHALL BE INSTALLED WITHIN PVC SLEEVES. UNSLEEVED PIPES MAY BE SHOWN UNDER PAVEMENT FOR GRAPHIC CLARITY ONLY. INSTALL THESE PIPES IN ADJACENT LANDSCAPED AREAS.
6. EXISTING CONTROLLER SHALL BE RE-LOCATED AS INDICATED ON PLAN. ALL EXISTING VALVE WIRES SHALL BE REASSIGNED TO EXISTING CONTROLLER. ALL NEW VALVE WIRES SHALL BE ASSIGNED TO EXISTING CONTROLLER. IF CAPACITY IS NOT AVAILABLE FOR ALL NEW AND EXISTING VALVES, CONTROLLER SHALL BE UPGRADED.
7. 24 VOLT VALVE WIRE SHALL BE A MINIMUM OF #14 GAUGE, U.F. APPROVED FOR DIRECT BURIAL, SINGLE CONDUCTOR "IRRIGATION WIRE". WIRE SPLICES SHALL INCLUDE DBY CONNECTORS AS MANUFACTURED BY 3M COMPANY. LOCATE FIELD SPLICES IN A ROUND VALVE BOX OF SUFFICIENT SIZE TO ALLOW INSPECTION. TAPE WIRE BUNDLES EVERY 20 L.F.
8. VALVE BOXES SHALL BE INSTALLED FLUSH WITH GRADE, SUPPORTED BY BRICKS IF NEEDED, WITH 3 INCHES CLEAN PEA GRAVEL LOCATED BELOW THE VALVE. USE 12" x 17" RECTANGULAR VALVE BOXES WITH PURPLE LID FOR QUICK COUPLING VALVES AND 10" ROUND BOXES FOR ELECTRIC VALVES UNLESS NOTED OTHERWISE. THE PROPOSED LOCATIONS OF ALL VALVE BOXES SHALL BE STAKED BY THE CONTRACTOR FOR APPROVAL BY THE LANDSCAPE ARCHITECT OR THE OWNER'S REPRESENTATIVE BEFORE INSTALLATION. D.C.A., WITH UPSTREAM BALL VALVE AND PVB FILTER SHALL BE BOXED AND LOCATED ACCORDING TO LOCAL CODE. THE PROPOSED LOCATIONS OF ALL VALVE BOXES SHALL BE STAKED BY THE CONTRACTOR FOR APPROVAL BY THE LANDSCAPE ARCHITECT OR THE OWNER'S REPRESENTATIVE BEFORE INSTALLATION.
9. USE MANUFACTURED SCH. 80 PVC, O-RING TYPE SWING JOINT ASSEMBLIES TO CONNECT ALL ROTARY HEADS AND QUICK COUPLERS.
10. ALL SPRAY HEADS SHALL BE CONNECTED WITH A 12" MINIMUM LENGTH OF 1/2" FLEX PVC. THE FLEX PVC SHALL BE SOLVENT WELDED TO SCHEDULE 40 PVC FITTINGS WITH WELD-ON #795 SOLVENT AND #P-70 PRIMER.
11. PROVIDE ONE QUICK COUPLER KEY WITH SWIVEL HOSE ELL FOR EVERY SIX Q.C. VALVES. (MINIMUM ONE SET).
12. CONTRACTOR IS TO CONTACT APPROPRIATE UTILITIES PRIOR TO CONSTRUCTION.
13. LATERAL PIPE TO TREE STREAM BUBBLER HEADS IS OMITTED FOR GRAPHIC CLARITY. CONNECT TREE BUBBLER HEADS TO VALVES AS SHOWN WITH CLASS 200 PVC PIPE SIZED TO ALLOW A MAXIMUM FLOW VELOCITY OF 5 FEET PER SECOND.
14. THE PROPOSED LOCATIONS OF ALL ABOVE- GROUND EQUIPMENT INCLUDING BACKFLOW PREVENTERS, CONTROLLERS AND WEATHER SENSORS SHALL BE STAKED BY THE CONTRACTOR FOR APPROVAL BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE BEFORE THESE ITEMS ARE INSTALLED.
15. ALL HEADS SHALL BE INSTALLED A MINIMUM OF 4" FROM PAVEMENT EDGES. (6" OR GREATER WHERE REQUIRED BY LOCAL CODE.) FINAL HEAD ADJUSTMENTS BY THE CONTRACTOR SHALL INCLUDE ARC AND DISTANCE NOZZLE CHANGES, AND THE ADDITION OF CHECK VALVES AT HEADS, WHERE NEEDED, TO PREVENT EXCESSIVE LOW HEAD DRAINAGE. THE CONTRACTOR SHALL BUDGET FOR AND INSTALL CHECK VALVES FOR UP 10% OF THE TOTAL NUMBER OF HEADS, IF NEEDED, WITH NO ADDITIONAL CHARGE TO THE OWNER.

LEGEND

- ▫ HUNTER PROS-06-PRS30 SERIES POP UP SPRAY HEADS WITH HUNTER MSBN-50H STREAM BUBBLER NOZZLES. (TWO PER SHADE TREE) SEE INSTALLATION NOTE #13 REGARDING TREE BUBBLER LATERAL PIPE
- ▪/▫ HUNTER PROS-04-PRS30 SERIES POP UP SPRAY HEAD WITH SS / ES SERIES STRIP NOZZLE, UNLESS NOTED OTHERWISE.
- • HUNTER PROS-04-PRS30 SERIES POP UP SPRAY HEAD WITH PRO SPRAY SERIES NOZZLE AS NOTED BELOW
- HUNTER ICV SERIES ELECTRIC REMOTE CONTROL VALVE WITH BL-5201 SINGLE STATION BICODER
- ⊕ HUNTER ICV SERIES ELECTRIC REMOTE CONTROL, "TREE BUBBLER ZONE" VALVE WITH BL-5201 SINGLE STATION BICODER SEE INSTALLATION NOTE #13 REGARDING TREE BUBBLER LATERAL PIPE
- ◉ HUNTER PSF ULTRA, ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, #1.5SR BLACK NOZZLE UNLESS NOTED OTHERWISE
- ◒ HUNTER PSF ULTRA, ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, #2.5 BLUE NOZZLE UNLESS NOTED OTHERWISE
- ⊘ HUNTER PSF ULTRA, ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, #4.0 BLUE NOZZLE UNLESS NOTED OTHERWISE
- ▲ HUNTER HQ-33-LRC-R QUICK COUPLING VALVE WITH LOCKING PURPLE COVER AND 3/4" PVC BALL VALVE
- ⊣N LASCO "VIOIN" SERIES SCH. 80 PVC TRUE UNION BALL VALVE, MAINLINE SIZE
- CLASS 200 PVC MAINLINE PIPE
- CLASS 200 (EXCEPT 1/2 INCH #315) PVC LATERAL PIPE
- ONE 4" CLASS 200 SLEEVE PIPE, UNLESS NOTED OTHERWISE
- TWO 4" CLASS 200 SLEEVE PIPES, UNLESS NOTED OTHERWISE

BORES SHALL BE REQUIRED AT ALL EXISTING PAVING CROSSINGS WHERE EXISTING SLEEVES ARE NOT PRESENT.

L.I.C. SHALL SELECT PRO-SPRAY SPRAY NOZZLES FOR "HEAD-TO-HEAD" COVERAGE, ADJUSTED FOR NO OVERSPRAY ONTO WALLS AND WALKS. NO OVERSPRAY INTO STREETS IS PERMITTED.

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COORDINATION WITH EXISTING IRRIGATION

THE CONTRACTOR SHALL VISIT THE SITE BEFORE CONSTRUCTION BEGINS TO BECOME FAMILIAR WITH THE EXISTING SYSTEM LAYOUT. REROUTE, REPAIR, OR REINSTALL EXISTING EQUIPMENT, INCLUDING MAINLINE AND CONTROL WIRES, AS REQUIRED, TO MAINTAIN CONTINUED AUTOMATIC OPERATION OF ALL AREAS OUTSIDE THE LIMITS OF WORK. PROTECT EXISTING EQUIPMENT WITHIN THE LIMITS OF WORK, WHICH IS INTENDED TO REMAIN. CONTRACTOR SHALL KEEP EXISTING IRRIGATION (OUTSIDE OF THE SCOPE OF WORK) OPERABLE DURING CONSTRUCTION. L.I.C. SHALL RE-WORK EXISTING IRRIGATION TO INCLUDE AND ACCOUNT FOR NEW PLANTINGS. RE-WORKED IRRIGATION SHALL BE INSTALLED ACCORDING TO STATE SPECIFICATIONS.

*THE IRRIGATION CONTRACTOR SHALL CONFIRM THE FOLLOWING REQUIREMENTS FOR CONNECTION TO THE EXISTING MAINLINE PIPE AND CONTROL WIRE OF EXISTING CONTROLLER BEFORE WORK BEGINS. IF CONDITIONS ARE NOT MET, DO NOT PROCEED UNTIL INSTRUCTED BY LANDSCAPE ARCHITECT.,

1. EXISTING MAINLINE
   CONFIRM MAINLINE PIPE IS SIZED TO ALLOW A MAXIMUM FLOW VELOCITY OF 5 FEET PER SECOND.
2. EXISTING IRRIGATION METER
   CONFIRM COMBINED EXISTING AND NEW ZONES SHALL OPERATE WITHIN ALLOWABLE WATERING TIMES AND FLOW LIMITATIONS PROVIDED BY EXISTING METER.
3. EXISTING CONTROLLER
   CONFIRM EXISTING CONTROLLER HAS AVAILABLE CAPACITY FOR NEW ZONES. UPGRADE CONTROLLER IF CAPACITY IS NOT AVAILABLE. IF EXISTING CONTROLLER IS A "TWO-WIRE" CONTROLLER, ALL NEW, VALVES SHALL REQUIRE SINGLE-STATION DECODERS.

- NEW SHRUB AND GROUND COVER BEDS SHALL RECEIVE NEW IRRIGATION AS INDICATED ON THE PLAN, INSTALLED AS DIRECTED.
- DISTURBED TURF AREAS SHALL RECEIVE NEW IRRIGATION OR RENOVATIONS TO THE EXISTING SYSTEM, PROVIDING COMPLETE COVERAGE TO ALL AFFECTED AREAS.
- L.I.C. SHALL LOCATE AND CONNECT TO THE EXISTING SYSTEM MAINLINE AND CONTROLLERS.
- NEW OR RENOVATED TURF HEADS SHALL BE ZONED SEPARATELY FROM SHRUB IRRIGATION.
- NEW IRRIGATION PIPES SHALL BE SIZE TO ALLOW A MAXIMUM FLOW VELOCITY OF FIVE FEET PER SECOND.
- RENOVATIONS SHALL INCLUDE MEETING ALL CURRENT CODES, INCLUDING THE ADDITION OF A BALL VALVE AND HYE FILTER IF A D.C.A. BACKFLOW PREVENTER IS PRESENTLY USED.
- UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL DEMONSTRATE PROPER, AUTOMATIC COVERAGE TO ALL AREAS WITH MINIMUM OPERATING PRESSURES OF 25 PSI AT SPRAY HEAD NOZZLES AND 35 PSI AT ROTARY HEAD NOZZLES.

NOTE: DO NOT PARK, DRIVE, STAGE MATERIALS OR OTHERWISE PLACE ANYTHING UNDER EXISTING TREES TO REMAIN, INCLUDING THOSE NOT SHOWN ON THE PLANS. ALL EXISTING TREES ON SITE SHALL BE PROTECTED WITH THE UTMOST IMPORTANCE AND TREE CARE AS DIRECTED BY THE LANDSCAPE ARCHITECT.

James Pole
IRRIGATION CONSULTANTS
IRRIGATION DESIGN, CONSULTING, AND LANDSCAPE WATER MANAGEMENT
TEXAS L.I.C. #658
P.O. BOX 1848
DENTON, TEXAS 76202
PHONE: 940.249.2864
james@jamespoleirrigation.com

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IRRIGATION IN TEXAS IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) (MC-178) P.O. BOX 13087 T.C.E.Q.'S WEB SITE IS: WWW.TCEQ.STATE.TX.US

Bid and Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
900 Glass St.
Dallas, TX 75207
p. 713-529-0988
f. 713-229-9932
Contact: Ben Saucedo

STATE OF TEXAS JAMES POLE 658 LICENSED IRRIGATOR

10 / 18 / 2024

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ISSUES & REVISIONS

No.	Date	Revision

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Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
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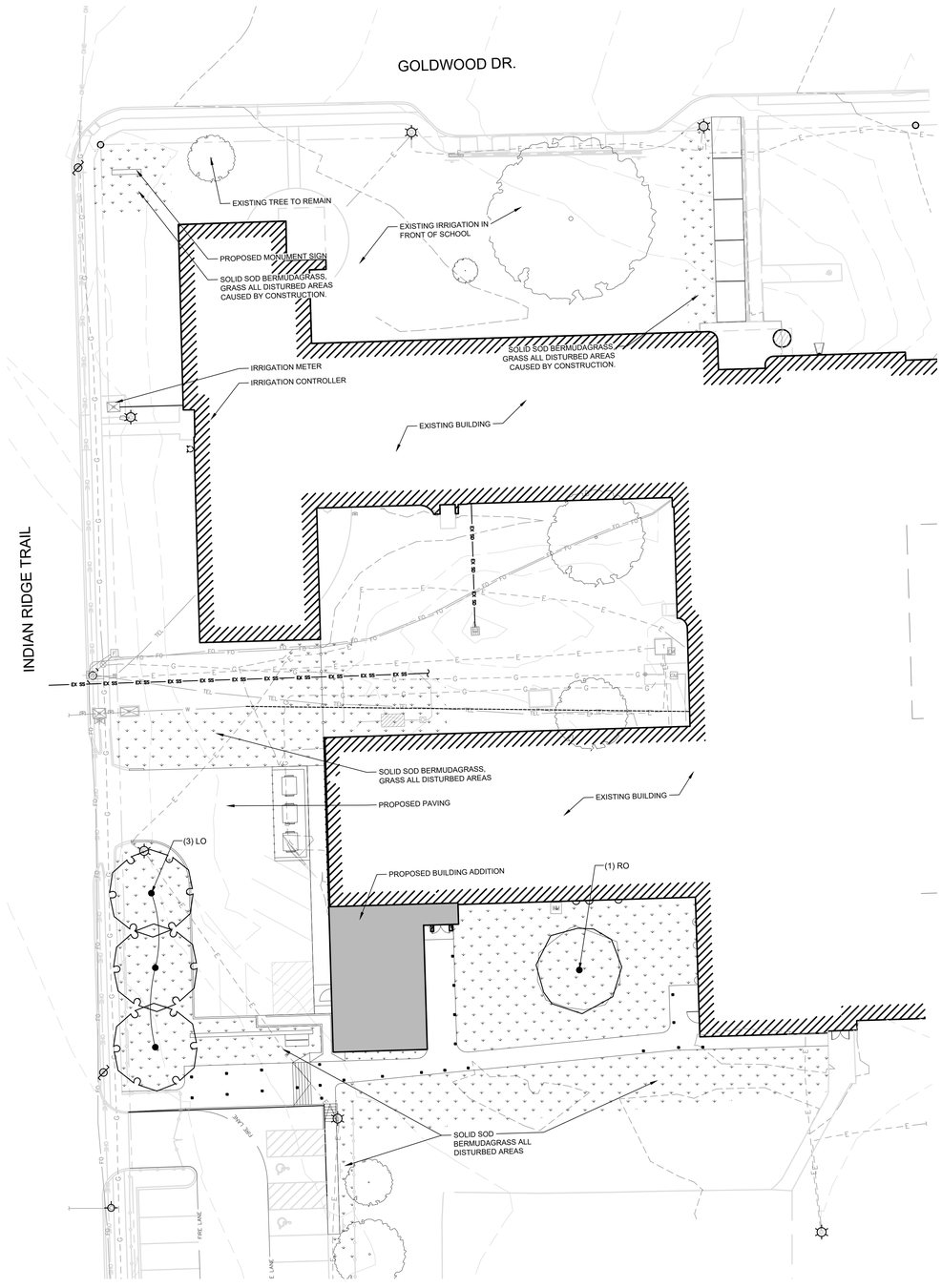
IRRIGATION DETAILS

L3.01

Project Name: ORG. #235 BAES Date:10/18/2024



1 BIRDIE ELEMENTARY DISD - PLANTING PLAN
1" = 20'-0"

0 20 40 60 80 feet
1" = 20"

NORTH

LANDSCAPE PLANTING NOTES

1. FINAL GRADING SHALL BE INSTALLED BY THE CONTRACTOR AND APPROVED BY THE OWNER'S REPRESENTATIVE IN THE FIELD PRIOR TO PLANTING OR PLANTING LAYOUT.
2. TREES ARE TO BE CENTERED IN EACH TREE PLANTER. CONTRACTOR SHALL STAKE OUT ALL TREE LOCATIONS FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO EXCAVATION. OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO ADJUST TREES TO EXACT LOCATION IN FIELD.
3. UNLESS DIMENSIONED ON THE PLAN, ALL PROPOSED TREE LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL STAKE OUT ALL INFORMAL TREE LOCATIONS IN THE FIELD USING COLORED FLAGS FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO EXCAVATION. OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO ADJUST PLANTS TO EXACT LOCATION IN THE FIELD.
4. SHRUB BED LAYOUTS SHALL BE STAKED FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO BED PREPARATION. ALIGN AND EQUALLY SPACE IN ALL DIRECTIONS ALL SHRUBS AS NOTED IN THE DRAWINGS.
5. FINISH GRADE OF SHRUB BEDS SHALL BE THREE AND ONE HALF (3 ½ ") INCHES BELOW ADJACENT PAVEMENT OR CURB WHERE TWO (2") INCHES COMPOST AND TWO (2") INCHES MULCH IS TO BE APPLIED.
6. UNLESS OTHERWISE INDICATED, ALL SHRUB BEDS SHALL BE TOPDRESSED WITH A THREE (3") INCH MULCH LAYER. CONTRACTOR SHALL PROVIDE SAMPLES OF MULCH TO THE OWNER'S REPRESENTATIVE ALONG WITH SPECIFIC TEST DATA PER THE REQUIREMENTS OF THE SPECIFICATIONS.
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADVISE THE OWNER'S REPRESENTATIVE OF ANY CONDITION FOUND ON THE SITE WHICH PROHIBITS INSTALLATION AS SHOWN ON THESE DRAWINGS.
8. ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION, AND MUST BE REPLACED WITH PLANT MATERIAL OF SIMILAR VARIETY, CHARACTER, AND SIZE IF DAMAGED, DESTROYED, OR REMOVED.
9. CONTRACTOR SHALL MEET OR EXCEED ALL MINIMUM SIZES LISTED IN PLANT SCHEDULE INCLUDING CONTAINER SIZE.
10. LANDSCAPE AREAS SHALL BE KEPT FREE OF TRASH, LITTER, AND WEEDS AT ALL TIMES DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADING, REMOVAL OF MISCELLANEOUS DEBRIS AND ANY ADDITIONAL FILL REQUIRED TO CREATE A SMOOTH CONDITION PRIOR TO PLANTING IN ALL PLANT BEDS.
12. EXCESS SOIL FROM LANDSCAPE GRADING TO BE REMOVED AND DISPOSED OFF-SITE BY CONTRACTOR.
13. FINISH MULCH GRADES OF ALL TREE BASES SHALL BE (1/2") BELOW ADJACENT PAVEMENT ELEVATION. IN AREAS WHERE A COMBINED (3") LAYER OF MULCH IS TO BE APPLIED, FINISH SOIL GRADES SHALL BE (3 1/2") BELOW ADJACENT PAVEMENT OR CURB.
14. CONTRACTOR SHALL PATCH ALL AREAS OF DISTURBED LAWN WITH SOLID SOD COMMON BERMUDA GRASS. NEW SOD SHALL BE FLUSH TO EXISTING TURF.
15. REPLACE DEAD PLANTS WITHIN 7 DAYS AFTER DETERMINATION OF CONDITION.

IRRIGATION NOTE: ALL REQUIRED LANDSCAPE PLANTINGS WILL BE WATERED WITH A PERMANENT, WATER-EFFICIENT IRRIGATION SYSTEM.

CITY OF DALLAS LANDSCAPE REQUIREMENTS

- ARTICLE X: IS CURRENTLY NOT TRIGGERED AS NONE OF THE FOLLOWING IS OCCURRING:
  - THE NONPERMEABLE COVERAGE ON THE LOT OR TRACT IS INCREASED BY MORE THAN A NET OF 2,000 SF WITHIN A 24-MONTH PERIOD. (THIS PROVISIONS EXCLUDED THE BUILDING EXPANSION AREA)
  - INCREASES THE NUMBER OF STORIES OR INCREASES THE HEIGHT OF A BUILDING ON THE LOT
  - INCREASES BY MORE THAN 35 PERCENT OR 10,000 SF, WHICHEVER IS LESS, THE COMBINED FLOOR AREAS OF ALL BUILDINGS ON THE LOT WITHIN A 24-MONTH PERIOD.
- TREE MITIGATION: REF. TO L1.00 FOR TREE REMOVAL AND MITIGATION
- IRRIGATION - CODE REQUIRED NEWLY PLANTED TREES AND SHRUBS WILL BE IRRIGATED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM.

- IMPERVIOUS COVERAGE OF SITE
  - BUILDING / PAVING ADDITION:
    - NEW BUILDING = 1,688 SF
    - NEW VEHICULAR PAVING = 1,857 SF

THEREFORE, ARTICLE X IS NOT BEING TRIGGERED FOR THIS PROJECT.

LEGEND

TREES	CODE	COMMON NAME
	LO*	LIVE OAK
	SO*	SHUMARD RED OAK
GROUND COVERS	**CODE**	**COMMON NAME**
	BG	BERMUDAGRASS SOLID SOD

*** = NATIVE SPECIES**

NOTE: DO NOT PARK, DRIVE, STAGE MATERIALS OR OTHERWISE PLACE ANYTHING UNDER EXISTING TREES TO REMAIN, INCLUDING THOSE NOT SHOWN ON THE PLANS. ALL EXISTING TREES ON SITE SHALL BE PROTECTED WITH THE UTMOST IMPORTANCE AND TREE CARE AS DIRECTED BY THE LANDSCAPE ARCHITECT.

NOTE: ALL TREE PROTECTION FENCING TO REMAIN IN-PLACE THROUGHOUT CONSTRUCTION INCLUDING DEMOLITION OF EXISTING BUILDING AND SITE AND CONSTRUCTION OF NEW BUILDING AND SITE ELEMENTS.

Bid and Permit Issue

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REGISTERED LANDSCAPE ARCHITECT · JACLYN MARK SZAFRANIC · 3165 · STATE OF TEXAS
10/18/2024

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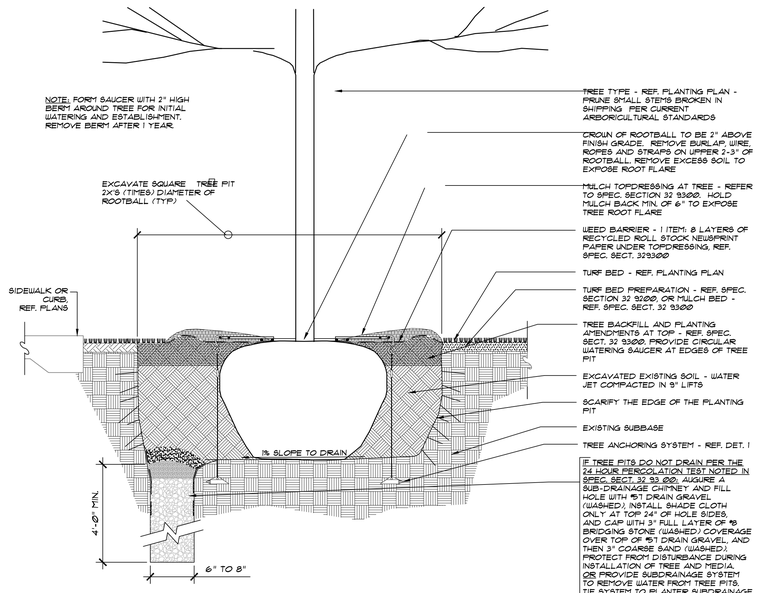
PLANTING PLAN

L4.00

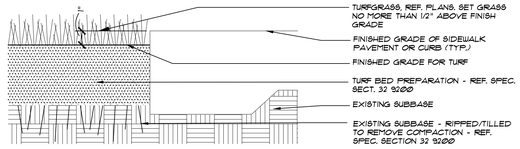
Project Name: ORG. #235 BAES Date: 10/18/2024



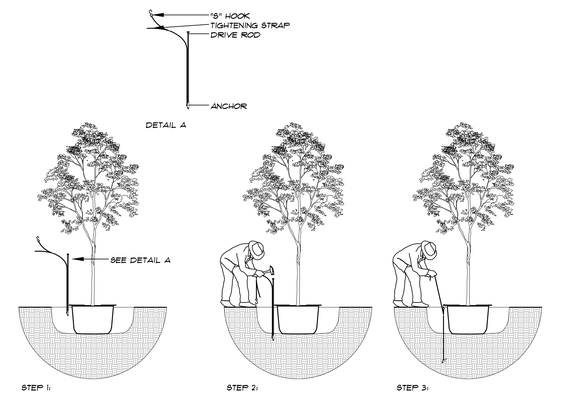
4 TREE PLANTING IN TURF - SECTION
NTS

PREPARE TREE AS PER SPECIFICATION SECTION 32 9300 PRIOR TO SETTING IN EXCAVATED PLANTING PIT.

- REMOVE INVASIVE VEGETATION FROM TOP OF ROOT BALL.
- REMOVE EXCESS SOIL FROM TOP OF ROOT BALL TO EXPOSE TREE'S NATURAL ROOT FLARE TAPER.
- TRIM AWAY GIRDLING, CIRCLING AND SPIDER ROOTS AROUND EXPOSED ROOT FLARE.
- TOP OF PREPARED TREE SETS RELATIVE PLANTING DEPTH ABOVE FINISHED GRADE PER DETAILS AND SPECIFICATIONS.



1 TURF AT PAVEMENT - SECTION
NTS



STEP 1:
- SET TREE IN PLANTING PIT
- CENTER ROOT ANCHOR'S INNER RING(S) AROUND TRUNK OF TREE
- ALIGN DRIVE ROD AS CLOSE AS POSSIBLE TO OUTSIDE EDGE OF U-BRACKET

STEP 2:
- DRIVE ANCHOR STRAIGHT DOWN INTO UNDISTURBED SUBBASE SOIL AT MINIMUM OF 18" TO 24" DEPTH
- SEE CHART FOR RECOMMENDED DEPTHS PER TREE SIZE

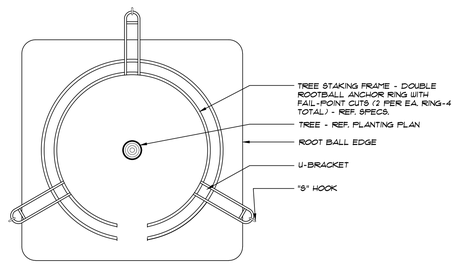
STEP 3:
- REMOVE DRIVE ROD
- REPEAT STEPS 1 & 2 FOR ALL THREE (3) ANCHOR LOCATIONS
- PULL BACK ON STRAP APPROXIMATELY 3" FOR THE V-68 ANCHOR, OR 6" TO 7" FOR THE V-88 ANCHOR TO SET ANCHOR INTO A HORIZONTAL OR LOCKED POSITION. A FULCRUM MAY BE REQUIRED TO ASSIST IN SETTING THE ANCHOR.
- PLACE "S" HOOK OVER THE END OF THE U-BRACKET
- PULL STRAP UP VERTICALLY UNTIL ROOT ANCHOR RINGS BITE INTO THE TOP OF THE ROOT BALL AND U-BRACKETS ARE SETTING FLUSH ON TOP OF THE ROOT BALL.
- TIE EXCESS STRAP OFF TO THE U-BRACKET ALLOWING ENOUGH REMAINING STRAP TO ADJUST TREE, IF NECESSARY
- BACK FILL ONLY AFTER THE TREE IS STRAIGHTENED AND SECURE

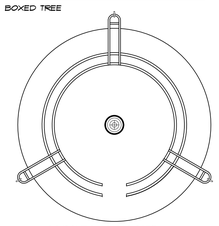
OPTIONAL ANCHORING SEQUENCES:

A. FOR ANCHOR INSTALLATION PRIOR TO TREE INSTALLATION - ANCHORS MAY BE PLACE PER THE ROOT BALL DIAMETER, AND INSTALLED FROM THE BOTTOM OF THE EXCAVATED TREE PIT TO ENSURE THE DEPTH OF THE ANCHORS MEET THE REQUIRED 18" TO 24" DEPTH INTO UNDISTURBED SOILS.

B. FOR ANCHOR INSTALLATION AFTER THE PLANTING BACKFILL - BE SURE TO MARK THE DRIVE PIN TO THE REQUIRED DEPTH TO ENSURE THAT WORKERS ARE DRIVING THE ANCHOR THE REQUIRED 18" TO 24" DEPTH INTO UNDISTURBED SOILS BELOW THE BOTTOM OF THE EXCAVATED TREE PIT. IMPROPER DEPTH OF ANCHORING WILL BE CORRECTED AS NECESSARY TO ENSURE TREE IS STABLE.

2 TREE ANCHORING
NTS





3 TYPICAL TREE GROUND ANCHORNG - PLANS
NTS

NOTE: DO NOT PARK, DRIVE, STAGE MATERIALS OR OTHERWISE PLACE ANYTHING UNDER EXISTING TREES TO REMAIN, INCLUDING THOSE NOT SHOWN ON THE PLANS. ALL EXISTING TREES ON SITE SHALL BE PROTECTED WITH THE UTMOST IMPORTANCE AND TREE CARE AS DIRECTED BY THE LANDSCAPE ARCHITECT.

PLANT AND MATERIAL SCHEDULE

TREES	CODE	COMMON NAME / BOTANICAL NAME	CONT	CAL	SIZE	REMARKS	QTY
	LO*	LIVE OAK / QUERCUS VIRGINIANA	CONT/B&B	3" CAL. MIN.	6'-10"H X 4'-5"W MIN.	FULL, WELL BRANCHED, VERTICAL GROWTH HABIT, STRAIGHT CENTRAL LEADER, NO CROSSING BRANCHES	3
	SO*	SHUMARD RED OAK / QUERCUS SHUMARDII	CONT/B&B	3" CAL. MIN.	6'-10"H X 4'-5"W MIN.	FULL, WELL BRANCHED, VERTICAL GROWTH HABIT, STRAIGHT CENTRAL LEADER, NO CROSSING BRANCHES	1

GROUND COVERS	CODE	COMMON NAME / BOTANICAL NAME	CONT	REMARKS	QTY
	BG	BERMUDA GRASS / CYNODON DACTYLON 'TIFFWAY 419'	SOD	SOLID SOD, REF. SPEC 329200	+/- 14,000 SF

NOTE: QUANTITIES ARE APPROXIMATE, FIELD VERIFY. ALL DISTURBED AREAS TO BE GRASSED AND SOIL PREPARED PER SPECIFICATIONS.
NOTE: SAMPLES / SUBMITTALS TO BE PROVIDED TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.

LAWN / TURF GRASS: NOTE - FIELD VERIFY ALL QUANTITIES, ALL DISTURBED AREAS TO BE GRASSED, REFER TO DETAILS AND SPECS

TOPSOIL - LAWN / TURF GRASS	1 1/2" DEPTH	MANUFACTURED OR STOCKPILED TOPSOIL, REF. SPEC SECT 32 9200	FIELD VERIFY
COMPOST - LAWN / TURF GRASS	1/2" DEPTH	ORGANIC, WELL-DECOMPOSED, REF. SPEC SECT 32 9200	FIELD VERIFY
ORGANIC BIOLOGICAL FERTILIZER		MATERIAL AND APPLICATION RATE, REF. SPEC SECT 32 9200	FIELD VERIFY

NOTE - QUANTITIES ARE APPROXIMATE, FIELD VERIFY FOR ACCURACY. ALL PLANTING BEDS TO BE FULL AND PREPARED PER SPECIFICATIONS. ALL DISTURBED AREAS TO BE GRASSED AND SOIL PREPARED PER SPECIFICATIONS.
NOTE - PLANT OR MATERIAL SUBMITTALS MUST BE SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.
NOTE - SUBMITTALS TO BE PROVIDED TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.
NOTE - SAMPLES / SUBMITTALS TO BE PROVIDED TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.

TREE REQUIREMENTS

ROOT SYSTEM DEVELOPMENT:

1. ALL NAMED CULTIVARS WILL BE OWN ROOT CLONES. NO GRAFTER OR BUD-GRAFTED TREES WILL BE ACCEPTED.
2. 100% MECHANICALLY ROOT-PRUNED AT LEAST ONCE AND TRANSPLANTED A MINIMUM OF 3 TIMES DURING THE FIRST 3 YEARS OF THE TREE'S LIFE.
3. THE TREES WILL HAVE BEEN GROWN IN HEAVY CLAY SOIL AND IRRIGATED WITH DRIP IRRIGATION.
4. THE TRUNK FLARE MUST BE ABOVE GROUND AND VISIBLE AT NURSERY BEFORE HARVEST AND AFTER TRANSPLANTING INTO THE LANDSCAPE.
5. THE ROOT BALLS WILL HAVE BEEN HEELED IN FOR AT LEAST 30 DAYS AND HAVE A FLESH FLUSH OF NEW ROOT GROWTH INTO THE BURLAP.
6. NO GIRDLING ROOTS.

CANOPY DEVELOPMENT:

7. TREES WILL HAVE A STRONG CENTRAL LEADER TO TOP OF THE CANOPY. THE TIP OF THE LEADER ON THE MAIN TRUNK MUST BE INTACT AND TERMINAL BUD AT THE HIGHEST PART.
8. NO BRANCH CAN HAVE A DIAMETER GREATER THAN 2/3 THE TRUNK DIAMETER MEASURED DIRECTLY ABOVE THE BRANCH CROTCH. THE TREE WILL HAVE NO INCLUSIONS OR CO-DOMINANT BRANCHES.
9. THE TREE CROWN MUST BE STRUCTURALLY UNIFORM. BRANCHES WILL BE EVENLY DISTRIBUTED AROUND THE TRUNK. THE CROWN WILL BE FULL OF FOLIAGE EVENLY DISTRIBUTED AROUND THE TREE.

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REGISTERED LANDSCAPE ARCHITECT 3165 STATE OF TEXAS
10/18/2024

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PLANTING SCHEDULE

L4.01

Project Name: ORG. #235 BAES Date: 10/18/2024

S T R U C T U R A L N O T E S

COORDINATION

A. The contractor shall compare the architectural, structural, mechanical, electrical, plumbing, and other series drawings and report any discrepancies between each set of drawings and within each set of drawings prior to fabrication and installation of any structural members.

B. Only larger sleeve openings and framed openings in structural framing component members are indicated on the structural drawings. However, all sleeves, inserts and openings, including frames and/or sleeves shall be provided for passage, provision and/or incorporation of the work of the contract, including but not limited to mechanical, electrical and plumbing work. This work shall include the coordination of sizes, alignment, dimensions, position, locations, elevations and grades as required to serve the intended purpose. Openings not indicated on the structural drawings, but required as noted above, shall be submitted to the engineer for review.

C. Refer to architectural, mechanical, electrical and plumbing drawings for floor elevations, slopes, drains and location of depressed and elevated floor areas.

D. Compatibility of the structure and provisions for building equipment supported on or from structural components shall be verified as to size, dimensions, clearances, accessibility, weights and reaction with the equipment for which the structure has been designed prior to submission of shop drawings and data for each piece of equipment and for structural components. Differences shall be noted on the submittals.

E. Shop drawings shall be prepared for all structural items and submitted for review by the engineer. Structural drawings shall not be reproduced and used as shop drawings. All items deviating from the structural drawings or from previously submitted shop drawings shall be clouded.

F. The details designated as "typical details" apply generally to the structural drawings in all areas where conditions are similar to those described in the details.

G. All dimensions and conditions of existing construction shall be verified at the job site prior to the preparation of shop drawings. Differences between existing construction and that shown on the structural drawings shall be referred to the architect. Differences shall also be clouded on the shop drawings.

H. All structural elements of the project have been designed by the engineer to resist the required code vertical and lateral forces that could occur in the final completed structure only. It is the responsibility of the contractor to provide all required bracing during construction to maintain the stability and safety of all structural elements during the construction process until the lateral-load resisting or stability-providing system is completely installed and the structure is completely tied together. Temporary supports shall not result in the overstress or damage of the elements to be braced nor any elements used as brace supports.

I. The contract structural drawings and specifications represent the finished structure, and except where specifically shown, do not indicate the means or methods of construction. The contractor and their sub-contractors shall supervise and direct the work and shall be solely responsible for all construction means, methods, procedures, techniques, sequences and safety measures including, but not limited to, adherences to all osha guidelines. The engineer shall not have control of, and shall not be responsible for, construction means, methods, techniques, sequences or procedures, for safety precautions and programs in connection with the work, for the acts or omissions of the contractor, subcontractors, or any other person performing any of the work, or for the failure of any of these persons to carry out the work in accordance with the structural contract documents.

J. Where conflict exists among the various parts of the structural contract documents, structural drawings, general notes, and specifications, the strictest requirements, as indicated by the engineer, shall govern.

K. Periodic site observation by field representatives of JQ is solely for the purpose of determining if the work is proceeding in accordance with the structural contract documents. This limited site observation is not intended to be a check of the quality or quantity of the work, but rather a periodic check in an effort to inform the owner against defects and deficiencies in the work of the contractor.

SUBSTITUTIONS

A. All requests for substitutions of materials or details shown in the Structural Contract Documents shall be submitted for approval during the bidding period.

B. Once bids are accepted, proposed substitutions will be considered only when they are officially submitted with an identified savings or duration to be deducted from the contract and/or schedule impact. Submittals not satisfying the above criteria will not be considered.

MAINTENANCE STATEMENT

A. All structures require periodic maintenance to extend lifespan and to insure structural integrity from exposure to the environment. A planned program of maintenance shall be established by the building owner. This program shall include such items as but not limited to painting of structural steel, protective coating for concrete, sealants, caulked joints, expansion joints, control joints, spalls and cracks in concrete, and pressure washing of exposed structural elements exposed to a salt environment or other harsh chemicals.

CODES & REFERENCED REPORTS

A. The General Building Code used as the basis for the structural design is as follows:
   1. City of Dallas Building Code (2021 International Building Code with City of Dallas Amendments)

B. Structural Concrete: Building Code Requirements for Reinforced Concrete, American Concrete Institute, ACI 318, as referenced by the General Building Code.

C. Brick Masonry: Recommended Practice for Engineered Brick Masonry, Brick Institute of America, as referenced by the General Building Code.

D. Structural Steel: Manual of Steel Construction, American Institute of Steel Construction Inc., ANSI/AISC 360, as referenced by the General Building Code.

E. Light Gauge Steel: Specification for the Design of Cold-Formed Steel Structural Members, American Iron and Steel Institute, as referenced by the General Building Code.

F. Geotechnical Report: Foundation elements have been designed in accordance with information provided in the following geotechnical report:

Geotechnical engineer:	Alpha Testing, LLC
Report Number:	G231059
Date:	07.18.2023

DESIGN LOADS

A. Dead Loads include the self-weight of the structural elements and the following superimposed loads:

1.	Ceiling and Mechanical at roof	10 psf
2.	Ceiling and Mechanical at floors	5 psf
3.	Roofing and rigid insulation	8 psf
4.	Pre-Engineered Systems	Assembly Wt.

B. Live Loads

	OCCUPANCY OR USE	UNIFORM (psf)	CONCENTRATED (lbs.)
1.	Kitchens	150	Equip. Wt.
2.	Mechanical rooms, typical	150	Equip. Wt.
3.	Restrooms	60	2000
4.	Roof	20	N/A
5.	Storage	125	N/A

C. Wind loads
   1. Wind lateral load on structural frame is based on ASCE 7-16 using the following:

a.	Ultimate Design Wind Speed Vult	111 mph
b.	Nominal Design Wind Speed Vasd	86 mph
c.	Exposure	C
d.	Internal Pressure Coefficient, Gcpi	+/-0.18
e.	Risk Category	III

   2. Components and cladding wind pressures:

Surface	(PSF)	Zone	Area At (ft2)
Wall			
	+24.6/-26.7	1	10 or less
	+24.6/-32.8	2	10 or less
	+21/-23	1	100
	+21/-25.6	2	100
	+21/-23	1	100 or greater
	+21/-25.6	2	100 or greater
Roof			
	+16/-42.8	1	10 or less
	+16/-56.5	2	10 or less
	+16/-77	3	10 or less
	+16/-33.5	1	100
	+16/-44.4	2	100
	+16/-52.9	3	100
	+16/-33.5	1	100 or greater
	+16/-44.4	2	100 or greater
	+16/-52.9	3	100 or greater

a = 3.3ft (Refer to ASCE 7-16 Fig. 30.4-1)

- Pressures for Tributary Areas in between the listed values may be linearly interpolated.
- Negative value signifies pressure acting away from the surface (suction).
- Edge and Corner zone distances shall be determined in accordance with referenced standard.
- Pressures on parapets shall be determined by combining positive and negative wall pressures or wall and roof pressures listed above in accordance with the referenced standard.
- * Pressures are for gross uplift conditions. Refer to roof plan(s) for net uplift values for design of joists, joist girders, and bridging.

D. Mechanical/Kitchen Equipment Loads
   1. Loading for mechanical rooms and kitchens are based on the weights of equipment and concrete pads as indicated on the Structural Drawings. The Contractor shall submit actual weights of equipment to be used in the project to the Structural Engineer for verification of loads used in the design at least three weeks prior to fabrication and construction of the supporting structure. Any revisions in equipment type, size, or quantity shall be reported to the Architect immediately for verification of the structural design.

E. Balcony Railing and Guardrails: The balcony railings and guardrails shall be designed for 50 pounds/ft load applied horizontally at right angles to the top rail or a 200 pound concentrated load applied in any direction at any point along the top rail, whichever is greater. The railing shall have attachment devices to adequately anchor to the supporting structure for the loading indicated. Intermediate rails and panel fillers shall be designed to withstand a horizontally applied normal load of 50 pounds on an area not to exceed 12-inches by 12-inches including openings and space between rails and located so as to produce the maximum load effect. Resulting reactions due to these loads need not be combined with the design loads for handrails or guardrails.

F. Concentrated Load for Stair Treads and Ladder Rungs: The individual stair treads and ladder rungs shall be designed to support a 300 pound concentrated load placed in a position, which would cause maximum stress.

BUILDING MOVEMENTS

A. The building movements specified herein are anticipated to occur and shall be taken into account by the Contractor in the design, detailing, and installation of the building elements.

B. Spandrel beam deflections: Provisions shall be made in the building cladding for relative floor to floor vertical deflections of [XX].

C. Interior floor/roof deflections: Provisions shall be made in interior partitions and other elements supported by or attached to the floors or roofs for relative floor to floor vertical deflections of [XX].

D. Slab-on-grade movement: Provisions shall be made in the building cladding and interior partitions for relative deflections between the soil-supported slab on grade and the roof or floor level directly above. Design of soil supported building slabs is based on a range of [lower limit] 0 inch(es) to [upper limit] XX inch(es), based on the recommendations of the project geotechnical report. Refer to Building Pad Preparation Notes for soil stabilization under soil-supported building slabs.

E. Lateral building drift: Provisions shall be made in building cladding and other architectural finishes for relative floor to floor lateral deflections of story height/[XX].

EXCAVATION PROTECTION

A. Temporary retention or alternative protective systems shall be designed to resist the soil pressures stipulated in the referenced geotechnical report. In addition, the design shall consider surcharges created by construction equipment, excavation spoil, and other surface encumbrances.

B. Contractor shall comply with all Occupational Safety and Health Administration standards and all other regulatory agency standards regarding excavation safety.

C. Contractor shall submit drawings for any proposed excavation protection system that are sealed by a professional engineer licensed in the state having jurisdiction at the project site.

DRILLED PIERS

A. Pier design is based on the following design criteria:
   1. Allowable end bearing: 50 ksf
   2. Side friction: 7 ksf
   3. Uplift Soil Adhesion: 2 ksf (max.)
   4. Uplift design depth: 10 ft (max.)
   5. Side friction (uplift resistance): 5 ksf
   6. Depth of Bearing Stratum 10 ft

B. Pier design is in accordance with the recommendations in the referenced geotechnical report.

C. Bearing stratum shown on the pier details is Gray Shaly Limestone

D. Piers not specifically located on the plan shall be located on centerline of column above. Where no column occurs, locate on centerline of wall or beam.

E. Provide dowels from piers into concrete above using same bar size and number as shown for pilaster above. Where no pilaster occurs, use dowels of same size and number as pier reinforcing steel. Extend dowels 30 bar diameters into pier and beam, wall, pilaster or column, unless noted otherwise on the Structural Drawings.

F. Elevation of top of piers, unless noted otherwise on the Structural Drawings, is at the bottom of the deepest intersecting beam or wall supported by the pier.

G. Reinforcing cage shall be held securely away from earth at sides and bottom by sets of 3 spacers at a maximum spacing of 8 ft. along the length of the cage and 1'-0" from the bottom.

H. Pier reinforcing and concrete shall be placed immediately after drilling operations are complete; in no case shall a pier be drilled that cannot be placed by the end of the workday.

I. See plans for pier sizes, reinforcing and depth.

J. The contractor shall verify depths of piers before pier steel is cut. Pier steel may be delivered to the jobsite in standard lengths and cut as required. Provide 64 bar diameter laps in all vertical pier reinforcing.

K. Reinforcing steel shop drawings shall include placing drawings for templates to set dowels in piers.

L. Top of pier shall be of the specified diameter. Form top of pier if required to maintain the specified diameter. Any concrete extending beyond the specified diameter shall be removed.

M. Temporary steel casing may be required during pier drilling operations. Prior to the placement of concrete, any seepage water shall be removed from the pier holes. Special construction procedures in accordance with ACI 336.1 and ACI 336.3R and specifications shall be followed during extraction of the casing and during concrete placement.

N. Contractor shall include in bid documents, unit-costs for casing if required and unit-cost for greater and lesser depth of drilling for each pier size.

O. All piers shall be inspected by a representative of a qualified goetechnical engineer in order to ensure that the proposed bearing material has been reached in accordance with the recommendations given in the geotechnical report.

P. The contractor shall make and maintain accurate records of the drilled pier depths, bearing stratum, depth of penetration into bearing stratum, diameter and location (including off center eccentricities), and shall submit this information to the Engineer.

CAST-IN-PLACE CONCRETE

A. CONCRETE MIX USAGE SCHEDULE:
All concrete shall conform to the requirements as specified in the table below, unless noted otherwise on the Structural Drawings:

Use	Strength psi	Agg. Type	Agg. Size	Max w/c	Exposure Class
Drilled Piers	3000	NWT	1-1/2"	----	F0
Grade Beams and Pier Caps	4500	NWT	1-1/2"	0.45	F2
Structural Beams and Slab	4500	NWT	1"	----	F0
Slab on void	4500	NWT	1"	----	F2

   1. "NWT" refers to normal concrete having air dry unit weight of approximately 145 PCF (ASCE C33 aggregate)
   2. The w/c ratio shall be selected by the concrete provider to meet the strength requirements and shall not exceed w/c ratio = 0.55. Where the maximum w/c ratio is indicated in the table above, it shall not be exceeded.
   3. "Strength" is required compressive cylinder strength at an age of 28 days.
   4. Concrete slump shall be selected by concrete provide to meet strength requirements and workability required for the concrete placement. Slump shall not exceed 9" for any mix and meet the requirements of the ACI.

B. A maximum of 20% of the cementitious materials used in mix designs may be replaced with class C or F fly ash.

C. Fly ash shall not be used in architecturally exposed concrete.

D. Provide 6 percent plus or minus 1 1/2 percent of entrained air in concrete permanently exposed to the weather and elsewhere at the contractor's option.

E. Horizontal construction joints in concrete placements shall be permitted only where indicated on the Structural Drawings. All vertical construction joints shall be made in the center of spans in accordance with the typical details. Contractor shall submit proposed locations for construction joints not shown on the Structural Drawings for review by the Architect and Engineer. Additional construction joints may require additional reinforcing as specified by the Engineer which shall be provided by the contractor at no additional cost to the owner.

F. Embedded conduits, pipes, and sleeves shall meet the requirements of ACI 318, Section 26.8, including the following:
   1. Conduits and pipes embedded within a slab, wall, or beam (other than those passing through) shall not be larger in outside dimension than 1/3 the overall thickness of the slab, wall or beam in which they are embedded.
   2. Conduits, pipes and sleeves shall not be spaced closer than three diameters or widths on center.

G. Concrete placements shall not exceed 10,000 square feet or 100 linear feet on each side without prior approval by the Architect for each placement.

H. Void forms: Shall be the product of a reputable manufacturer regularly engaged in commercial production of void forms.
   1. Void form composition shall be of corrugated paper material with a moisture resistant exterior and an interior fabrication of a uniform cellular configuration, composed of components constructed of double-faced wax-impregnated (partially only), corrugated fiberboard that is laminated with moisture resistant adhesive.
   2. Design and maintain void forms to support all vertical and lateral loads that might be applied during construction until such loads can be supported by the concrete structure.
   3. Form material shall be designed to lose its strength under prolonged contact with the moisture which normally accumulates beneath slabs and beams on grade.

I. Submittal: Submit proposed mix designs in accordance with ACI 301, chapter 4.2. Each proposed mix design shall be accompanied by a record of past performance based on at least 30 consecutive strength tests, or by three laboratory trial mixtures with confirmation tests.

J. Grade beams in contact with earth shall be formed both sides unless noted otherwise in details.

K. Concrete sampling for quality assurance: Concrete that is pumped shall be sampled at the point of discharge from the truck.

CONCRETE REINFORCING

A. Concrete reinforcement for the project shall conform to the following:
   1. All reinforcing steel shall be new billet steel in accordance ASTM A615, Grade 60, unless noted otherwise in the Structural Drawings or these notes.

B. Detailing of reinforcing steel shall conform to the American Concrete Institute 315 Detailing Manual and all hooks and bends in reinforcing bars shall conform to ACI detailing standards, unless noted otherwise on the Structural Drawings.

C. In unscheduled grade beams, walls, and slabs, detail reinforcing as follows:
   1. Class A lap beam top reinforcing bars at mid span.
   2. Class A lap beam bottom reinforcing bars at the supports.
   3. Provide Class B lap at other location pending Engineer's approval.
   4. Provide standard hooks in top bars at cantilever and discontinuous ends of beams, walls and slabs.
   5. Provide corner bars for all horizontal bars at the inside and outside faces of intersecting beams or walls. Corner bars are not required if horizontal bars are hooked.
   6. Provide 2-#4 diagonal bars at all slab re-entrant corners placed under the top mat of steel.

D. Welding of reinforcing steel will not be permitted unless specifically shown on the Structural Drawings.

E. Heat shall not be used in the fabrication or installation of reinforcement.

F. Reinforcing steel clear cover shall be as follows:

1. Drilled Piers	3"
2. Formed grade beams	1 1/2" top, 2" sides, 3" bottom
3. Structural Slabs	3/4" top; 2" bottom
4. Structural Beams	1 1/2" top, 2" sides, 3" bottom
5. Slab-on-void	3/4" top; 2" bottom

STRUCTURAL MASONRY

A. Minimum compressive strength of the masonry (f'm) shall be as noted below.

B. Mortar shall conform to ASTM C270, Type S. Masonry cement shall not be used.

C. Concrete masonry units shall be hollow load bearing units which conform to ASTM C90, with a minimum net compressive strength as follows:

Location	f'm (psi)	Net area Compressive Strength of CMU Block (psi)
Typical	2,000	2,000

D. Coarse grout shall conform to ASTM C476 and placed in accordance with TMS 420 Section 3.2.1 and TMS 620 Section 3.5, with a maximum aggregate size of 1/2" and a minimum compressive strength as follows:

Location	Compressive Strength (psi)
Typical	2,000
Storm Shelter	3,000

E. Reinforce concrete masonry unit joints with laddtr type hot dip galvanized cold-drawn steel conforming to ANSI/ASTM A82, with W1.7 or W2.8 joint rods with W1.7 cross rods.

1. Space joint reinforcing at 16 inches o.c. unless noted otherwise.
2. Lap joint reinforcing 14 inches at splices.
3. Provide prefabricated joint reinforcing corner pieces at all wall corners and intersections.
4. Joint reinforcing shall be discontinuous at control and expansion joints.

F. Lap reinforcing bars in grouted masonry as noted below.

	Single Bar Per Cell	Two Bars Per Cell
1. Vertical bars:		
#5 or smaller rebar	35 bar diameters	72 bar diameters
#6 rebar	56 bar diameters	72 bar diameters
#7 or larger rebar	68 bar diameters	Mechanical splices only
2. Bond beams:	72 bar diameters	72 bar diameters
3. Lintels:	Do not splice	Do not splice

G. Embedded conduits, pipes, and sleeves shall meet the requirements of TMS 420, Section 3.2.2, including the following:

1. Conduits, pipes, and sleeves in masonry shall be no closer than 3 diameters on center. Minimum spacing of conduits, pipes or sleeves of different diameters shall be determined using the larger diameter.

2. Vertical conduits, pipes, or sleeves placed in masonry jambs, columns or pilasters shall not displace more than 2 percent of the net cross-sectional area.
   a. The net cross-sectional area is the area of masonry units, grout, and mortar. Ungrouted cells are not considered part of the net cross-sectional area.

H. Provide 1 inch clear cover between ties or longitudinal reinforcing and the inside face of masonry used as forms in grouted beams, pilasters and columns.

POST-INSTALLED ANCHORS AND DOWELS

A. Mechanical Anchors:
Note: Hilti products listed below shall be considered as basis of design, unless noted otherwise. Additional anchors listed below may be utilized if officially requested as a substitution by the Contractor and approved by JQ for the specific applications. If a substitution request is submitted, the anchor size and/or spacing is subject to change. Additional cost for design services may apply.

   1. Expansion Anchors:
      a. In Concrete: Expansion Anchors shall have been tested and qualified in accordance with ACI 355.2 and ICC-ES AC 193. Qualifying anchors shall be one of the following:
         1. Kwik Bolt TZ2 (ICC-ES ESR-4266), Hilti Inc.
         2. Strong Bolt 2 (ICC-ES ESR-3037), Simpson Strong-Tie Co., Inc.
         3. Power-Stud+SD2 (ICC-ES ESR-2502), DEWALT
      b. Expansion anchors shall be installed per manufacturer's printed instructions using a calibrated torque-wrench, Hilti SI-AT-A22 Tool with Adaptive Torque, or method approved by ICC-ES Evaluation Report and approved by JQ.

   2. Screw Anchors:
      a. In Concrete: Screw Anchors shall have been tested and qualified in accordance with ACI 355.2 and ICC-ES AC 193. Qualifying anchors shall be one of the following:
         1. Kwik HUS-EZ CRC, or SS (ICC-ES ESR-3027), Hilti Inc.
         2. Titen HD (ICC-ES ESR-2713), Simpson Strong-Tie Co., Inc.
         3. Screw Bolt+ (ICC-ES ESR-3889), DEWALT
      b. In Grouted Masonry: (Installation permitted in both the top and face of wall) Screw Anchors shall have been tested and qualified in accordance with ICC-ES AC 106. Do not install anchors within 1 1/2" of a head joint, notify JQ if conflict occurs. Qualifying anchors shall be one of the following products:
         1. Kwik HUS-EZ and HUS-EZ P (ICC-ESR-3056), Hilti Inc.
         2. Titen HD (ICC-ES ESR-1056), Simpson Strong-Tie Co., Inc.
         3. Screw Bolt+ (ICC-ES ESR-4042), DEWALT

   3. Powder-Actuated Fasteners:
      a. In Concrete: Powder-Actuated Fasteners shall have been tested and qualified in accordance with ICC-ES AC 70. Qualifying anchors shall be one of the following:
         1. X-U (ICC-ES ESR-2269), Hilti Inc.
         2. PDPA (ICC-ES ESR-2138), Simpson Strong-Tie Co., Inc.
         3. 0.3" Ø Head Drive (ICC-ES ESR-2024), DEWALT

B. Adhesive Anchors:
Note: Hilti anchor rods & Hilti acrylic (epoxy) adhesive products listed below shall be considered as basis of design, unless noted otherwise. Additional anchors listed below may be utilized if officially requested as a substitution by the Contractor and approved by JQ for the specific applications. If a substitution request is submitted, the anchor size and/or spacing is subject to change. Additional cost for design services may apply.

   1. Adhesive Anchors with Threaded Rod:
      a. In Concrete: Adhesive Anchors shall have been tested and qualified in accordance with ACI 355.4 and ICC-ES AC 308. Qualifying anchors shall be one of the following products, unless specifically noted otherwise on structural drawings:
         1. Epoxy: HIT-RE 500V3 SAFESET (ICC-ES ESR-3814), Hilti Inc.
         2. Epoxy: SET-3G (ICC-ES ESR-4057), Simpson Strong-Tie Co., Inc.
         3. Epoxy: Pure 110+ (ICC-ES ESR-3298), DEWALT
         4. Acrylic: HIT-HY 200 V3 SAFESET (-A/-R) (ICC-ES ESR-4878), Hilti Inc.
         5. Acrylic: AT-XP (IAPMO-UES ER-0263), Simpson Strong-Tie Co., Inc.
         6. Acrylic: AC 200+ (ICC-ES ESR-4027), DEWALT
      b. In Grouted Concrete Masonry: (Installation permitted in both the top and face of wall) Adhesive Anchors shall have been tested and qualified in accordance with ICC-ES AC 58. Qualifying anchors shall be one of the following:
         1. Acrylic: HIT HY-270 SAFESET (ICC-ES ESR-4143), Hilti, Inc.
         2. Acrylic: AT-XP (IAPMO-UES ER-0281), Simpson Strong-Tie Co., Inc.
         3. Acrylic: AC 100+Gold (ICC-ES ESR-3200), DEWALT
      c. In Ungrouted Concrete Masonry with mesh screen tube:
         1. Acrylic: HIT HY-270 (ICC-ES ESR-4143), Hilti, Inc.
         2. Acrylic: AC 100+Gold (ICC-ES ESR-4105), DEWALT
         3. Epoxy: SET-XP (IAPMO-UES ER-265), Simpson Strong-Tie Co., Inc.
      d. Threaded anchor rod shall be one of the following:
         1. Hilti adhesive: "HIT-Z" AISI 1038
         2. Hilti adhesive: "HIT-Z-R" AISI type 316 stainless steel
         1. Hilti adhesive: "HAS-V-36" (u.n.o), "HAS-E-55", "HAS-B-105" ASTM F1554 Threaded Rods
         1. Hilti adhesive: HAS-R 304/316 ASTM F593 CW1/2, ASTM A 193 GRADE 8(M) CLASS 1
         2. Simpson adhesive: Steel meeting the requirements of ASTM F1554, grade 36.
         2. Simpson adhesive: Steel meeting the requirements of ASTM F1554, grade 36, hot dip galvanized.
         2. Simpson adhesive: 304 Stainless steel meeting the requirements of ASTM A193, grade B8.
         3. DEWALT adhesive: Steel meeting the requirements of ASTM A1554, grade 36.
         3. DEWALT adhesive: Steel meeting the requirements of ASTM A1554, grade 36, hot dip galvanized.
         3. DEWALT adhesive: 304 Stainless steel meeting the requirements of ASTM A193, grade B8.
         4. Anchor rod shall have a chamfered end on one end to accept a nut and washer; it may have a 45-degree chisel point on the other end.
         5. Nuts and washers shall have a proof load strength at least as strong as anchor rod. Stainless steel nuts and washers shall be provided with stainless steel rods.

   2. Adhesive Rebar Dowelling:
      a. Adhesive dowels are not permitted to be substituted for cast-in dowels unless authorized in advance by JQ for each specific location.
      b. Adhesive doweling systems in concrete shall have been tested and qualified in accordance with ACI 355.4 and ICC-ES AC 308. Qualifying anchors shall be one of the following products, unless specifically noted otherwise on structural drawings:
         1. Epoxy: HIT-RE 500V3 SAFESET (ICC-ES ESR-3814), Hilti Inc.
         2. Epoxy: SET-3G (ICC-ES ESR-4057), Simpson Strong-Tie Co., Inc.
         3. Epoxy: Pure 110+ (ICC-ES ESR-3298), DEWALT
         4. Acrylic: HIT-HY 200 V3 SAFESET (-A/-R) (ICC-ES ESR-4878), Hilti, Inc.
         5. Acrylic: SET-XP (ICC-ES ESR-2508), Simpson Strong-Tie Co., Inc.
         6. Acrylic: AC 200+ (ICC-ES ESR-4027), DEWALT

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Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

10/8/2024
STATE OF TEXAS
AKSHAI RAMAKRISHNAN
101238
LICENSED
PROFESSIONAL
ENGINEER

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Written dimensions on these drawings shall have precedence over scale dimensions. Contractors shall be responsible for all dimensions and conditions on the job. HarrisonKornberg Architects, LLC must be notified of any variation from the dimension and conditions shown by these drawings.

ISSUES & REVISIONS

No.	Date	Revision

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 832-941-5233

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

shaping the built environment
JQ Infrastructure
JQ INFRASTRUCTURE, LLC
15810 PARK TEN PLACE, SUITE 225 HOUSTON, TEXAS 77084
832.941.5233 JQENG.COM
PROJECT NO: 4230079 TBPE FIRM F-7986

STRUCTURAL NOTES

S1-01

SCALE: 12" = 1'-0"

Project Name: ORG. #235 BAES Date:

S T R U C T U R A L N O T E S

POST-INSTALLED ANCHORS AND DOWELS (CONTINUED)

1. Anchors and dowels of the size and embedment shown on the Drawings shall be installed in accordance with the Contract Documents, the manufacturer's recommendations, and the manufacturer's current evaluation (ICC-ES or IAPMO-UES) report for the anchor. If conflicts exist between these referenced documents, the most stringent requirements shall govern.
2. The Contractor shall locate all existing reinforcing steel and other embedded items contained in the concrete using non-destructive methods and shall position anchor locations to avoid conflicts with existing embedded items. Anchor or dowel locations can be adjusted by a maximum of 1 1/2" from detailed locations to avoid conflicts, but shall neither change arrangement nor move closer to a concrete edge.
3. Based on field verified locations of reinforcing steel and embedded items, the Contractor shall create templates for each anchor group. Submit template dimensions for review prior to fabrication of connection plates.
4. Holes for anchors and dowels shall be drilled in a continuous operation using the drill-bit type and size recommended by the anchor manufacturer. Holes shall be drilled perpendicular to the concrete surface and shall not be enlarged or redirected at any point along its length. Holes shall be drilled using a hammer drill, coring shall not be allowed, unless noted otherwise.
5. Oil free compressed air shall be used to blow out the holes unless one of the approved systems noted below is utilized. Unapproved shop vacs, squeeze bulbs, etc. shall NOT be used. Refer to manufacturer's information for detailed cleaning instructions.
   a. Hilti SAFESET system with Hilti Hollow Drill Bit and Vacuum System (VC150 or VC300) may be used to eliminate hole cleaning with adhesive anchors.
   b. Simpson Speed Clean DXS system may be used to eliminate manual hole cleaning with adhesive anchors.
   c. DEWALT Dust X system with hollow drill bit may be used to eliminate manual hole cleaning with adhesive anchors.
6. All abandoned holes shall be filled with non-metallic nonshrink grout capable of reaching a design compressive strength of 5,000 psi at 28 days.
7. Holes in connection plates shall be no more than 1/16" larger than the anchor diameter for 3/4" diameter anchors or less and holes in connection plates shall be no more than 1/8" larger than the anchor diameter for 1" diameter anchors or larger; Unless specified otherwise by the manufacturer. If larger holes are required for erection purposes, Contractor shall notify Engineer such that a plate washer size can be provided.
8. At the time of anchor installation, concrete shall have a minimum compressive strength of 2500 psi and an age of 21 days.
9. The following parameters were used in the determination of the bond stress for adhesive anchors. Contractor shall notify JQ if any of these parameters are not met: Drilled hole condition: Dry
   b. No diamond core drilling
   c. Substrate temperature range at the time of installation and conditioned per manufacturer requirements:

Concrete Anchors	Minimum (°F)	Maximum (°F)
Hilti HIT RE-500V3	23	104
HIT-HY 200 V3 (-A/-R)	14	104
Simpson SET-3G	40	100
Simpson AT-XP	14	100
DEWALT Pure 110+	41	104
DEWALT AC 200+	23	104

Masonry Anchors	Minimum (°F)	Maximum (°F)
Hilti HY-270	23	70
Simpson AT-XP	14	100
Simpson SET-XP	50	70
DEWALT AC 100+	14	70

   d. Maximum short term substrate temperature after installation = 130°F
   e. Maximum long term substrate temperature after installation = 110°F

D. All post-installed anchors shall be installed by personnel trained by a manufacturer's field representative for each product to be used. A record of training shall be kept on site and be made available to the EOR as requested.

E. For adhesive anchors installed in a horizontal orientation subject to sustained tension loading and all upwardly inclined (including soffit installations) orientation:
   1. Per ACI 318-14 (17.8.2.2): Installation shall be performed by personnel certified by ACI/CRSI "Adhesive Anchor Installer Certification Program." Certification shall include written and performance tests.

STRUCTURAL STEEL

A. Material
   1. All hot rolled steel members shall be new and conform to ASTM specification A6.
   2. ASTM Specification and Grade - clearly mark the grade on each member.
   3. Unless Noted otherwise on the Structural Drawings, structural steel members shall be:
      a. W-shapes shall conform to ASTM A992.
      b. Channels shall conform to ASTM A36.
      c. Angles shall conform to ASTM A36.
      d. Steel pipe shall conform to ASTM A53, Type E or S, Grade B.
      e. Round hollow structural shape members shall conform to ASTM A500, Grade C, Fy = 46 ksi.
      f. Square or rectangular hollow structural shape members shall conform to ASTM A500, Grade C, Fy = 50 ksi.
      g. Structural steel plate shall conform to ASTM A36.
      h. Any other steel shall conform to ASTM A36.
      i. Headed stud shear connectors shall conform to ASTM A108.

B. Fabrication
   1. Splicing of structural steel members is prohibited without prior approval of the Engineer as to location and type of splice to be made. Any member having splice not shown and detailed on shop drawings will be rejected.
   2. Dimensional tolerances of fabricated structural steel shall conform to Section 6.4 of the AISC Code of Standard Practice unless noted otherwise on the Structural Drawings.
   3. Shop painting: Paint structural steel with one coat of manufacturer's standard red oxide primer applied at a rate to provide a uniform dry film thickness of 2.5 mils.

C. Erection
   1. Erection tolerances of anchor bolts, embedded items, and all structural steel unless specified otherwise on the Structural Drawings shall conform to the AISC Code of Standard Practice.
   2. Field cutting of structural steel or any field modifications to structural steel shall not be made without prior approval of the Engineer.
   3. Contractor shall protect any unprimed structural steel from detrimental effects of corrosion, as required, until the steel is enclosed and protected by the new construction.
   4. For any exposed steel not covered by architectural paint specifications, hot dip galvanize after fabrication all structural steel items and connections permanently exposed to the weather, whether specified on the Structural Drawings or not. Such items include, but are not limited to:
      a. Shelf angles
      b. Parapet wall supporting members
      c. Window washing support members
      d. All embedded plates in concrete
      e. Building cladding support steel in space not air conditioned and/or exposed to moisture outside the exterior waterproofing surface if any.
      f. Cooling tower framing and supports
      g. Cooling tower screen support members and braces.
      h. Railing exposed to weather.
      i. Examine the Architectural and Structural Drawings for other items required to be hot dipped galvanized. Galvanize all nuts, bolts, and washers used in connection with such steel. Field welded connections shall have welds protected with "Z.R.C. Cold Galvanizing Compound" as manufactured by Z.R.C. Company.

D. Contractor shall coordinate structural steel fireproofing requirements. All interior structural steel, including steel joists, scheduled or indicated to receive spray applied fireproofing shall be delivered to the project site unprimed. Steel exposed to corrosive conditions after installation shall be primed with a protective coating which does not diminish the bond between the spray applied fireproofing, and the steel substrate. Any primer, and/or coating applied to structural steel shall be approved for use in the applicable U.L. Fire Resistance Assembly used on the project.

STRUCTURAL STEEL CONNECTIONS

A. Welded Connections
   1. All welding shall conform to ANSI/AWS D1.1, latest edition.
   2. Minimum fillet weld size to be 3/16 inch or minimum size required by AISC, whichever is larger.

B. Bolted Connections
   1. Unless noted otherwise on the Structural Drawings, bolts shall be 3/4 inch diameter and conform to ASTM F3125, grade A325. Bolts shall be designed using values for bearing type bolts with thread allowed in the shear plane.
   2. Bolts shall be tightened to "snug tight" as defined by AISC, unless noted otherwise on the Structural Drawings.
   3. Refer to "Structural Steel Slip-Critical Bolted Connections" structural notes at slip-critical bolted connections.

C. Any structural steel connection not specifically detailed on the Structural Drawings shall be designed and detailed by the Contractor's professional engineer licensed in the state having jurisdiction at the project site (delegated designer). Sealed calculations for all connections designed by the Contractor's delegated designer shall be submitted for the Architect's files.

D. All beam shears, reactions, member forces, moments, etc. shown on the Structural Drawings are factored loads conforming to the requirements of AISC Load and Resistance Factor Design (LRFD).

E. Connections shall be designed and detailed as follows, unless noted otherwise on the Structural Drawings:
   1. Shear connections may be selected or completed by an experienced steel detailer per the ANSI/AISC 303, Section 3.1.1.(2), in accordance with the details provided in the Structural Drawings for the following connections:
      a. Double angle shear connections
      b. Single plate shear connections
   2. All other connections shall be designed and detailed by the Contractor's delegated designer and sealed calculations shall be submitted per the ANSI/AISC 303, Sections 3.1.1.(3) and 3.1.2.(2), option 3B for the following but not limited to:
      a. Moment connections
      b. Axial connections
      c. Brace and truss connections
      d. Shear connections that do not meet the requirements of the detailing provided in the Structural Drawings.
   3. Project specific details provided for non-typical conditions showing conceptual configurations of connections, stiffeners, web doubler plates, bearing stiffeners, and other member reinforcement at connections where such reinforcement is required. These conceptual configurations are not fully designed unless specifically noted otherwise and design shall be delegated as stated above. Where stiffener plates are shown they shall be provided.
   4. Where indicated on the structural drawings, the connections shall be designed for the scheduled forces as follows (see force diagram in symbols legend):
      a. Vertical forces (shear) indicated as "R = ".
      b. Horizontal forces (out-of-plane) indicated as "H = ".
      c. Axial forces indicated as "A = ".
      d. Moment forces indicated as "M = ".
      e. Torsional forces indicated as " T = ".
      Note: All moment and torsional forces noted on plan should be designed for full reversibility in order to produce the worst case connection design.
   5. A value of U= 0.95 shall be used for HSS connection design.
   6. Beam shear connections not indicated on the Structural Drawings, shall be designed for 55% of the total load capacity for the beam span shown in the beam tables in the AISC Manual referenced in the "Codes & Referenced Reports" notes.
   7. Moment connections with moment values not indicated on the Structural Drawings, shall be welded to develop the full capacity of the member.
   8. Brace and truss connections not indicated on the Structural Drawings, shall be designed to be welded connections to develop the full tensile capacity of the members.
   9. In general, shop connections shall be bolted or welded and field connections shall be bolted.
   10. Short slotted holes shall be permitted in shear connections provided washers are installed in accordance with AISC requirements. Washers shall be hardened where A325 bolts are utilized. Short slotted holes shall not be oriented parallel to axial or shear loads.

F. All welds denoted as moment connection or complete joint penetration (CJP) weld shall be ultrasonically or x-ray certified by an independent testing agency.

G. Roof edge angles shall be continuous and shall be spliced only at supports. Splices shall be butt welded or an approved connection designed by delegated designer to develop the full capacity of the member.

H. Base Plates
   1. Column base plates shall be set to the elevation indicated on the Structural Drawings and leveled using shims or by double nuts on anchor bolts. Base plates shall then be grouted with a non-shrink, high strength nonmetallic grout. Tighten anchor bolts after supported members have been positioned and plumbed.

   2. Hole sizes in base plates shall be oversized with plate washers per AISC Table 14-2, and welded to the baseplate per AISC minimum, U.N.O.

I. Anchor rods shall be:
   1. Typical: ASTM F1554 Gr. 36, Weldable.

J. For connections not specifically addressed by these notes or the Structural Drawings, provide fillet welds at all contact surfaces sufficient to develop the tensile strength of the smaller member at the joint.

METAL DECKS

A. Metal Roof Deck
   1. Metal Roof Deck Schedule:

Location	Gauge	SDI Deck Type	Deck Depth (in)	Sheet Width (in)	Min. Ix (in4)	Min. Sp (in3)	Min. Sn (in3)
Typ. UNO	20	WR	1.5	36	0.212	0.234	0.245

   Sp = positive section modulus in3
   Sn = negative section modulus in3
   I = moment of inertia in4

   2. Roof deck shall be galvanized.
   3. Sheet steel for galvanized roof deck and accessories shall conform to ASTM A653, Structural Quality, with a minimum yield strength of 33 ksi. Galvanizing shall conform to ASTM A653 with a minimum coating of (G60 OR G90) as defined in A653.
   4. Roof deck shall be continuous over four or more supports.
   5. Place deck panels on structural supports and adjust to final position with ends lapped 2 inches over structural supports. Provide minimum end bearing of 2 inches.
   6. Roof deck connections shall be as follows:

Location	Support Connx Pattern	Support Fastener	Sidelap Fastener/ No per span
Typical Building Kitchen Roof	36/4	5/8 PW	#10 Tek/ 5

   See Design Wind Load information or plans for "a" dimension and Interior Fields, Perimeter Band, Ridge Band, and Corner Zones wind loads.
   PW = Puddle Weld
   7. Roof deck connections shall conform to the requirements of Factory Mutual Class 1-120 (Data Sheet 1-28, January 2020). For connection purposes, the width of the roof corners and perimeter, including ridges, is defined as the smaller of:
      a. 0.1 times the building lesser plan dimension.
      b. 0.4 times the eave height
      c. Minimum with of 4 feet.
   8. Mechanical, electrical and plumbing systems shall not be supported by the metal roof deck.

DESIGN BY OTHERS

A. In accordance with the Specifications the items listed below are not included in the Contract Documents. Design of these elements shall be the responsibility of the Contractor, and shall be designed and sealed by a registered professional engineer licensed in the state having jurisdiction at the project site.
   1. Steel Connections
   2. Cold Formed Metal Framing
   3. Curtainwall Systems
   4. Pre-Engineered Canopies
   5. Elevator Support Rails

B. Design of the items listed above shall be in accordance with the General Building Code, and shall include all attachments to the structure.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
BEAM SIZE, WXXxXX (X) C=X", NO. OF HEADED STUDS, R=XX, REACTION (FACTORED LOAD), CAMBER	COMPOSITE STEEL BEAM
ELEVATION, PLAN, SECTION	SCHEMATIC FORCE DIAGRAM
PIER TYPE, T.O.PIER EL, T.O.PIER DETAIL	CONCRETE PIER
FTG. TYPE, T.O.FTG. EL, T.O.FTG. DETAIL	CONCRETE FTG.
MOMENT CONNECTION, BEAM SIZE, WXXxXX, MOMENT CONNECTION	STEEL BEAM MOMENT CONNECTION
COLUMN SIZE, BASE PLATE TYPE	STEEL COLUMN
#	NEW COLUMN GRID
#	EXISTING COLUMN GRID
	WELDED METAL BAR GRATING
	SLAB OR DECK SPAN DIRECTION
	DROP IN SLAB OR DECK
	DROP AND SLOPE IN SLAB OR DECK
	SLOPE IN SLAB OR DECK
BRACE-x	VERTICAL STEEL BRACE
10P, 20P, 30P, 53P, 66P	STANDARD PAN WIDTH
xxSP	SKIP PAN, xx WIDTH
	MASONRY WALL
	WINDOW IN MASONRY WALL
	DOOR IN MASONRY WALL
	EXISTING CONSTRUCTION
	DEMO
	ROOF TOP UNIT (RTU)

ABBREVIATIONS

ABV.	-	ABOVE	L.	-	LENGTH
A.F.F.	-	ABOVE FINISHED FLOOR	L.W.	-	LIGHTWEIGHT
ADDNL.	-	ADDITIONAL	L.W.C.	-	LIGHTWEIGHT CONCRETE
ADH.	-	ADHESIVE	L.L.	-	LIVE LOAD
ADJ.	-	ADJACENT	LOC.	-	LOCATION
AGGR.	-	AGGREGATE	LLH	-	LONG LEG HORIZONTAL
A/C	-	AIR CONDITIONER	LLV	-	LONG LEG VERTICAL
AHU	-	AIR HANDLING UNIT	LSH	-	LONG SIDE HORIZONTAL
ALT.	-	ALTERNATE	LSV	-	LONG SIDE VERTICAL
ALUM.	-	ALUMINUM	LSL	-	LONG SLOTTED HOLE
A.C.I.	-	AMERICAN CONCRETE INSTITUTE	LONG	-	LONGITUDINAL
A.I.S.C.	-	AMERICAN INSTITUE OF STEEL CONSTRUCTION	L.P.	-	LOW POINT
A.B.	-	ANCHOR BOLT			
&	-	AND			
L	-	ANGLE	MFR.	-	MANUFACTURER(R)
APPD.	-	APPROVED	MAS.	-	MASONRY
APPROX.	-	APPROXIMATE	MAT.	-	MATERIAL
ARCH.	-	ARCHITECT	MAX.	-	MAXIMUM
ARCH'L	-	ARCHITECTURAL	MECH.	-	MECHANICAL
A.E.C.	-	ARCHITECTURALLY EXPOSED CONCRETE	MEP	-	MECHANICAL, ELECTRICAL, PLUMBING
A.E.S.S.	-	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	MTL.	-	METAL
@	-	AT	MEZZ.	-	MEZZANINE
			MID.	-	MIDDLE
B.F.	-	BACK FACE	MIN.	-	MINIMUM
B. TO B.	-	BACK TO BACK	MISC.	-	MISCELLANEOUS
BSMT.	-	BASEMENT	M	-	MOMENT
BM.	-	BEAM	M.C.	-	MOMENT CONNECTION(S)
BRG.	-	BEARING			
B.F.F.	-	BELOW FINISH FLOOR	N.F.	-	NEAR FACE
BTWN.	-	BETWEEN	NOM.	-	NOMINAL
BEV(D)	-	BEVEL(ED)	N.S.	-	NON-SHRINK
BLK.	-	BLOCK	N/A	-	NOT APPLICABLE
B.L.	-	BLOCK LINTEL	N.I.C.	-	NOT IN CONTRACT
BLKG.	-	BLOCKING	N.T.S.	-	NOT TO SCALE
BOT.	-	BOTTOM	NO. OR #	-	NUMBER
B.O.	-	BOTTOM OF			
B.O.S.	-	BOTTOM OF STEEL	O.C.	-	ON CENTER
BRKT.	-	BRACKET	OPNG(S)	-	OPENING(S)
BR.L.	-	BRICKLEDGE	OPP.	-	OPPOSITE
BRDG.	-	BRIDGING	O.H.	-	OPPOSITE HAND
BLDG.	-	BUILDING	O.D.	-	OUTSIDE DIAMATER
			O.F.	-	OUTSIDE FACE
C	-	CAMBER	OVS	-	OVER-SIZED HOLE
C.I.P.	-	CAST-IN-PLACE			
CLG.	-	CEILING	P	-	PAN
C.L.	-	CENTER LINE	P.J.	-	PANEL JOINT
C.G.	-	CENTER OF GRAVITY	PAR.	-	PARALLEL
C.G.S.	-	CENTER OF GRAVITY OR STRAND	PERP.	-	PERPENDICULAR
CTR'D.	-	CENTERED	PC.	-	PIECE
CLR.	-	CLEAR OR CLEARANCE	PL.	-	PLATE
CFS	-	COLD FORMED STEEL	PT.	-	POINT
COL.	-	COLUMN	P-T	-	POST-TENSION(ED)
C OR	-	COMPRESSION	# OR LBS.	-	POUNDS
COMP.			PCF	-	POUNDS PER CUBIC FOOT
CONC.	-	CONCRETE	PLF	-	POUNDS PER LINEAR FOOT
CMU	-	CONCRETE MASONRY UNIT	PSF	-	POUNDS PER SQUARE FOOT
CONN(S)	-	CONNECTION(S)	PSI	-	POUNDS PER SQUARE INCH
CONST.	-	CONSTRUCTION	P.E.M.B.	-	PRE-ENGINEERED METAL BUILDING
CONST. JT.	-	CONSTRUCTION JOINT	P/C	-	PRECAST CONCRETE
CONT.	-	CONTINUOUS	PREFAB.	-	PREFABRICATED
CONTR.	-	CONTRACTOR	PRELIM.	-	PRELIMINARY
C.J.	-	CONTROL JOINT	P.T.	-	PRESSURE TREATED
COORD.	-	COORDINATE	PROJ.	-	PROJECTION
COV. PL.	-	COVER PLATE			
			QTY.	-	QUANTITY
D.L.	-	DEAD LOAD			
D.B.A.	-	DEFORMED BAR ANCHOR	R	-	RADIUS
D.	-	DEPTH	REINF.	-	REINFORCE(ING)(ED)(MENT)
DTL.	-	DETAIL	RCP	-	REINFORCED CONCRETE PIPE
DIAG.	-	DIAGONAL	REM.	-	REMAINDER
DIA OR Ø	-	DIAMETER	REQ.	-	REQUIRE
DIM(S).	-	DIMENSION(S)	REQ'D.	-	REQUIRED
DBL.	-	DOUBLE	RET. SYS.	-	RETENTION SYSTEM
XX-STR	-	DOUBLE EXTRA STRONG	RIS.	-	RISER
DVTL.	-	DOVETAIL	RF.	-	ROOF
DWL(S).	-	DOWEL(S)	R.D.	-	ROOF DRAIN
DN.	-	DOWN	R.T.U.	-	ROOF TOP UNIT
DS.	-	DOWNSPOUT	RM.	-	ROOM
DWG(S).	-	DRAWING(S)	R.O.	-	ROUGH OPENING
			RND.	-	ROUND
EA.	-	EACH			
E.F.	-	EACH FACE	SCHED.	-	SCHEDULE(D)
E.W.	-	EACH WAY	SECT.	-	SECTION
E.O.D.	-	EDGE OF DECK	V	-	SHEAR
ELEC.	-	ELECTRICAL	SHT.	-	SHEET
EL.	-	ELEVATION	SSL	-	SHORT SLOTTED HOLE
ELEV.	-	ELEVATOR	SW	-	SIDEWALK
EMBED.	-	EMBEDMENT	SIM.	-	SIMILAR
ENGR.	-	ENGINEER	S.O.G.	-	SLAB ON GRADE
EQ.	-	EQUAL	SPA.	-	SPACE
EQUIP.	-	EQUIPMENT	SPEC(S)	-	SPECIFICATION(S)
EF	-	EXHAUST FAN	SPEC'D	-	SPECIFIED
(E)	-	EXIST.	SQ.	-	SQUARE
EXIST.	-	EXISTING	S.F.	-	SQUARE FOOT
EXP.	-	EXPANSION	STAGG.	-	STAGGERED
E.J.	-	EXPANSION JOINT	S.S.	-	STAINLESS STEEL
EXT.	-	EXTERIOR	STD.	-	STANDARD
X-STR	-	EXTRA STRONG	STL.	-	STEEL
			S.J.I.	-	STEEL JOIST INSTITUE
FABR.	-	FABRICATOR	STIFF	-	STIFFENER
F. TO F.	-	FACE TO FACE	STIRR.	-	STIRRUPS
F.S.	-	FAR SIDE	STR.	-	STRAIGHT
F.V.	-	FIELD VERIFY	STRUCT'L	-	STRUCTURAL
FIN'D	-	FINISH(ED)	STRUCT.	-	STRUCTURE
FIN. FL.	-	FINISHED FLOOR	SUBCONTR.	-	SUBCONTRACTOR
FP.	-	FIREPROOF(ING)	SUPT(S).	-	SUPPORT(S)
FLG.	-	FLANGE			
FL.	-	FLOOR	TEMP.	-	TEMPERATURE
F.D.	-	FLOOR DRAIN	T	-	TENSION
FT.	-	FOOT (OR) FEET	TERR.	-	TERRAZZO
FDN.	-	FOUNDATION	THK.	-	THICK
FRMG	-	FRAMING	THRD.	-	THREAD(ED)
F.P.	-	FULL PENETRATION	T&G	-	TONGUE AND GROOVE
			T&B	-	TOP AND BOTTOM
GA.	-	GAGE OR GAUGE	T.O.	-	TOP OF
GALV.	-	GALVANIZED	T.O.B.	-	TOP OF BEAM
G.C.	-	GENERAL CONTRACTOR	T.O.C.	-	TOP OF CONCRETE
GR.	-	GRADE	T.O.F.	-	TOP OF FOOTING
GR. BM.	-	GRADE BEAM	T.O.J.	-	TOP OF JOIST
			T.O.P.	-	TOP OF PIER
H.S.A.	-	HEADED STUD ANCHOR	T.O.P.C.	-	TOP OF PIER (PILE) CAP
HT.	-	HEIGHT	T.O.S.	-	TOP OF STEEL
H.P.	-	HIGH POINT	T.O.W.	-	TOP OF WALL
HSS	-	HOLLOW STRUCTURAL SECTION	TRANSV.	-	TRANSVERSE
HK.	-	HOOK	TR.	-	TREAD
HORIZ.	-	HORIZONTAL	TYP.	-	TYPICAL
H.B.	-	HORIZONTAL BRACE			
H.D.	-	HOT-DIP	U.N.O.	-	UNLESS NOTED OTHERWISE
IN.	-	INCH	VERT.	-	VERTICAL
INFO.	-	INFORMATION	V.B.	-	VERTICAL BRACE
I.D.	-	INSIDE DIAMETER			
I.F.	-	INSIDE FACE	WPFG.	-	WATERPROOFING
INT.	-	INTERIOR	WS.	-	WATERSTOP
INTERM.	-	INTERMEDIATE	WT.	-	WEIGHT
			W.W.M.	-	WELDED WIRE MESH
JT.	-	JOINT	W.	-	WIDTH
J.G.	-	JOIST GIRDER	W.L.	-	WIND LOAD
JST(S)	-	JOIST(S)	WDW.	-	WINDOW
			W/	-	WITH
KLF	-	KIP PER LINEAR FOOT	W/O	-	WITHOUT
KSF	-	KIP PER SQUARE FOOT	W.D.	-	WOOD
KSI	-	KIP PER SQUARE INCH	W.P.	-	WORK POINT
K	-	KIPS (1000 LBS)			

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

10/8/2024
STATE OF TEXAS — AKSHAI RAMAKRISHNAN — 101238 — LICENSED ARCHITECT — PROFESSIONAL

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Written dimensions on these drawings shall have precedence over scale dimensions. Contractors shall be responsible for all dimensions and conditions on the job. HarrisonKornberg Architects, LLC must be notified of any variation from the dimension and conditions shown by these drawings.

ISSUES & REVISIONS

No.	Date	Revision

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 832-941-5233

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

shaping the built environment — JQ Infrastructure
JQ INFRASTRUCTURE, LLC
15810 PARK TEN PLACE, SUITE 225 — HOUSTON, TEXAS 77084
832.941.5233 — JQENG.COM
PROJECT NO: 4230079 — TBPE FIRM F-7986

STRUCTURAL NOTES

S1-02

SCALE: 12" = 1'-0"

Project Name: ORG. #235 BAES Date:

Autodesk Docs://DISD_Birdie Alexander ES\4230079 - STRUCTURAL - R24.rvt
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SPECIAL INSPECTIONS

1. Special Inspections shall be performed in accordance with Chapter 17 of the 2021 International Building Code (IBC) by a Special Inspector hired by the Owner to perform the Special Inspections listed below. The Special Inspector shall be qualified by an approved agency according to the City's building official to perform the special inspections for which they will be undertaking. The Contractor shall coordinate with and notify the Special Inspector of all tests. The Special Inspector shall be responsible to verify that the items detailed in the Construction Documents were built accordingly and shall prepare, sign, and furnish inspection reports to the building official and the Architect for all time spent at the site. The Inspector shall bring discrepancies to the immediate attention of the General Contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the building official and to the Architect prior to the completion of that phase of the work. These special inspections are in addition to the other inspections listed in these Structural Notes or Project Specifications.

2. Where structural load-bearing members and assemblies are shop fabricated, the Special Inspector shall verify that the fabricator maintains detailed fabrication and quality control procedures that provide a basis for inspection control of the workmanship and the fabricator's ability to conform to the Construction Documents and Referenced Standards, unless the fabricator is registered and approved to perform such work without special inspection.

VERIFICATION AND INSPECTION TASKS FOR WELDING OF STRUCTURAL STEEL[1] (AISC 360-16 Table N5.4)

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	INSPECTION FREQUENCY CONTINUOUS	INSPECTION FREQUENCY PERIODIC	REFERENCED STANDARD	IBC REFERENCE
	1. Inspection tasks prior to welding:				
YES	a. Welder qualification records and continuity records.	X	--	AISC 360-16 N5.4-1: AWS D1.1	1705.2.1
YES	b. Welding procedure specifications (WPSs) available	X	--		
YES	c. Manufacturer certifications for welding consumables available	X	--		
YES	d. Material identification (type/grade)[2]	--	X		
YES	e. Welder identification system[2]	--	X		
YES	f. Fit-up of groove welds (including joint geometry)[2] 1) Joint preparations 2) Dimensions (alignment, root opening, root face, bevel) 3) Cleanliness (condition of steel surfaces) 4) Tacking (tack weld quality and location) 5) Backing type and fit (if applicable)	--	X		
YES	g. Fit-up of CJP groove welds of HSS T-, Y- and K-joints without backing (including joint geometry) 1) Joint preparations 2) Dimensions (alignment, root opening, root face, bevel) 3) Cleanliness (condition of steel surfaces) 4) Tacking (tack weld quality and location)	X	--		
YES	h. Configuration and finish of access holes.[2]	--	X		
YES	i. Fit-up of fillet welds[2] 1) Dimensions (alignment, gaps at root) 2) Cleanliness (condition of steel surfaces) 3) Tacking (tack weld quality and location)	--	X		
YES	j. Check welding equipment	--	X		
	2. Inspection tasks during welding:				
YES	a. Control and handling of welding consumables[2] 1) Packaging 2) Exposure control	--	X	AISC 360-16 N5.4-2: AWS D1.1	1705.2.1
YES	b. No welding over cracked tack welds[2]	--	X		
YES	c. Environmental conditions[2] 1) Wind speed within limits 2) Precipitation and temperature	--	X		
YES	d. WPS followed[2] 1) Settings on weld equipment 2) Travel speed 3) Selected welding materials 4) Shielding gas type/flow rate 5) Preheat applied 6) Interpass temperature maintained (min./max.) 7) Proper position (F, V, H, OH)	--	X		
YES	e. Welding techniques[2] 1) Interpass and final cleaning 2) Each pass within profile limitations 3) Each pass meets quality requirements	--	X		
YES	f. Placement and installation of steel headed stud anchors	X	--		
	3. Inspection tasks after welding:				
YES	a. Welds cleaned	--	X	AISC 360-16 N5.4-3: AWS D1.1	1705.2.1
YES	b. Size, length and location of welds	X	--		
YES	c. Welds meet visual acceptance criteria 1) Crack prohibition 2) Weld/base-metal fusion 3) Crater cross section 4) Weld profiles 5) Weld size 6) Undercut 7) Porosity	X	--		
YES	d. Arc strikes	X	--		
YES	e. k-area[3]	X	--		
YES	f. Weld access holes in rolled heavy shapes and built-up heavy shapes[4]	X	--		
YES	g. Backing removed and weld tabs removed (if required)	X	--		
YES	h. Repair activities	X	--		
YES	i. Document acceptance or rejection of welded joint or member	X	--		
YES	j. No prohibited welds have been added without the approval of the EOR	X	--		

1. Inspection tasks noted in this table are the responsibility of the Special Inspector or Quality Assurance Inspector (QAI). The fabricator and erector are responsible for all inspection tasks indicated in AISC 360-16 Section N5 and assigned to the Quality Control Inspector (QCI)

2. Inspection tasks may be coordinated with the fabricator or erector's Quality Control Inspector (QCI) where indicated with this footnote. All other tasks shall be performed by the Special Inspector.

3. When welding of doubler plates, continuity plates or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks within 3 in. (75 mm) of the weld.

4. After rolled heavy shapes and built-up heavy shapes are welded, visually inspect the weld access hole for cracks.

VERIFICATION AND INSPECTION TASKS FOR BOLTING STRUCTURAL STEEL[1] (AISC 360-16 Tables N5.6)

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	INSPECTION FREQUENCY CONTINUOUS	INSPECTION FREQUENCY PERIODIC	REFERENCED STANDARD	IBC REFERENCE
	1. Inspection tasks prior to bolting:				
YES	a. Manufacturer's certifications available for fastener materials	X	--	AISC 360-16 N5.6-1	1705.2.1
YES	b. Fasteners marked in accordance with ASTM requirements	--	X		
YES	c. Correct fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded from shear plane)[2]	--	X		
YES	d. Correct bolting procedure selected for joint detail[2]	--	X		
YES	e. Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	--	X		
YES	f. Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used	--	X		
YES	g. Proper storage provided for bolts, nuts, washers and other fastener components	--	X		
	2. Inspection tasks during bolting:				
YES	a. Fastener assemblies placed in all holes and washers and nuts are positioned as required[2]	--	X	AISC 360-16 N5.6-2	1705.2.1
YES	b. Joint brought to the snug-tight condition prior to the pretensioning operation[2]	--	X		
YES	c. Fastener component not turned by the wrench prevented from rotating.[2]	--	X		
YES	d. Fasteners are pretensioned in accordance with the RCSC Specification, progressing systematically from the most rigid point toward the free edges	--	X		
	3. Inspection tasks after bolting:				
YES	a. Document acceptance or rejection of bolted connections	X	--	AISC 360-16 N5.6-3	1705.2.1

1. Inspection tasks noted in this table are the responsibility of the Special Inspector or Quality Assurance Inspector (QAI). The fabricator and erector are responsible for all inspection tasks indicated in AISC 360-16 Section N5 and assigned to the Quality Control Inspector (QCI)

2. Inspection tasks may be coordinated with the fabricator or erector's Quality Control Inspector (QCI) where indicated with this footnote. All other tasks shall be performed by the Special Inspector.

VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION (IBC TABLE 1705.3)

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	INSPECTION FREQUENCY CONTINUOUS	INSPECTION FREQUENCY PERIODIC	REFERENCED STANDARD	IBC REFERENCE
YES	1. Inspect reinforcement, including prestressing tendons, and verify placement.	--	X	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	--
	2. Reinforcing bar welding:				
YES	a. Verify weldability of reinforcing bars other than ASTM A706	--	X[1]	AWS D1.4 ACI 318: 26.6.4	--
YES	b. Inspect single-pass fillet welds, maximum 5/16"	--	X		
YES	c. Inspect all other welds.	X[1]	--		
YES	3. Inspect anchors and dowels cast in concrete.	--	X[1]	ACI 318: 17.8.2	--
	4. Inspect post-installed anchors and dowels in hardened concrete.				
YES	a. Mechanical anchors and adhesive anchors and dowels installed in horizontally or upwardly inclined orientations to resist sustained tension loads.	X[2]	--	ACI 318: 17.8.2.4	--
YES	b. Mechanical anchors and adhesive anchors and dowels not defined in 4.a.	--	X[2]	ACI 318: 17.8.2	
YES	5. Verify use of required design mix.	--	X	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2
YES	6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	X[3]	--	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	--
YES	7. Inspect concrete and shotcrete placement for proper application techniques.	X	--	ACI 318: 26.5	--
YES	8. Verify maintenance of specified curing temperature and techniques.	--	X	ACI 318: 26.5.3-26.5.5	--
	9. Inspection of prestressed concrete:				
YES	a. Application of prestressing forces	X	--	ACI 318: 26.10	--
YES	b. Grouting of bonded prestressing tendons	X	--	ACI 318: 26.10	
YES	10. Inspect erection of precast concrete members.	--	X	ACI 318: 26.9	--
	11. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category C, D, E or F, inspect such connections and reinforcement in the field for:				
YES	a. Installation of the embedded parts	X	--	ACI 318: 26.13.1.3	--
YES	b. Completion of the continuity of reinforcement across joints.	X	--	ACI 550.5	
YES	c. Completion of connections in the field.	X	--		
YES	12. Inspect installation tolerances of precast concrete diaphragm for compliance with ACI 550.5.	--	X	ACI 318: 26.13.1.3	--
YES	13. Verify 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[3]	ACI 318: 26.11.2	--
YES	14. Inspect formwork for shape, location and dimensions of the concrete member being formed.	--	X	ACI 318: 26.11.1.2(b)	--

1. Special Inspections of welding and qualifications of special inspectors for reinforcing bars shall be in accordance with the requirements of AWS D1.4 for special inspection and AWS D1.4 for special inspector qualification.

2. Post-Installed anchors and dowels shall be either (a.) visually inspected during installation, or (b.) load tested after installation as noted below:
   a. Visual inspections shall be performed during the installation by a Special Inspector certified by ACI as a "Post-Installed Concrete Anchor Installation Inspector". Submit a report to the licensed design professional and building official documenting that the work covered by the report has been performed and that the materials used and the installation procedures used conform with the approved construction documents and the Manufacturer's Printed Installation Instructions.
   b. Load Testing shall comply with the following:
      i. Test at least ten (10) percent of each type and diameter of post-installed anchors. If one or more anchors fail the test, all post-installed anchors of the same diameter and type installed the same day as the failed anchor shall be load tested at the contractor's expense. If additional anchors fail, the engineer may require testing all anchors of the same diameter and type already installed at the contractor's expense.
      ii. Tension testing shall comply with ASTM E488
      iii. Test post-installed anchors to 50 percent of ultimate tensile capacity of post-installed anchor.
      iv. Apply test loads with a calibrated hydraulic ram.
      v. Displacement of post-installed anchors shall not exceed D/10, where D is nominal diameter of anchor being tested.
      vi. Correct defective work by removing and replacing or correcting, as directed by engineer.
      vii. Contractor shall pay for all corrections, engineering, and additional testing associated with failed anchor tests.
      viii. Testing agency shall submit test results to contractor and engineer with 24 hours of completion of test.

3. In the absence of sufficient data or documentation providing evidence of conformance to quality standards for materials in Chapters 19 and 20 of ACI 318, the building official shall require testing of materials in accordance with the appropriate standard and criteria for the material in Chapters 19 and 20 of ACI 318.

LEVEL 2 VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION (TMS 602-16 Table 3 & Table 4)

SPECIAL INSPECTION REQUIRED	VERIFICATION, INSPECTION AND TESTING	INSPECTION FREQUENCY CONTINUOUS	INSPECTION FREQUENCY PERIODIC	REFERENCE FOR CRITERIA
	MINIMUM TESTS			
YES	Prior to construction, verification of compliance of submittals.	--	--	TMS 602-16 Art. 1.5
YES	Prior to construction, verification of f'm and f'AAC, except where specifically exempted by the code.	--	--	TMS 602-16 Art. 1.4 b
YES	During construction, verification of slump flow and Visual Stability Index (VSI) when self-consolidating grout is delivered tot the project site.	--	--	TMS 602-16 Art. 1.5 &1.6.3
	INSPECTION TASKS			
	1. As masonry construction begins, verify that the following are in compliance:			
YES	a. Proportions of site-prepared mortar	--	X	TMS 602-16 Art. 2.1, 2.6 A, & 2.6 C
NO	b. Grade and size of prestressing tendons and anchorages	--	X	TMS 602-16 Art. 2.4 B & 2.4 H
YES	c. Grade, type and size of reinforcement and anchor bolts, and prestressing tendons and anchorages	--	X	TMS 602-16 Art. 3.4 & 3.6 A
NO	d. Prestressing technique	--	X	TMS 602-16 Art. 3.6 B
NO	e. Properties of thin-bed mortar for AAC masonry	X[1]	X[2]	TMS 602-16 Art. 2.1 C.1
YES	f. Sample panel construction	--	X	TMS 602-16 Art. 1.6 D
	2. Prior to grouting, verify that the following are in compliance:			
YES	a. Grout space	--	X	TMS 602-16 Art. 3.2 D & 3.2 F
NO	b. Placement of prestressing tendons and anchorages	--	X	TMS 602-16 Art. 2.4 & 3.6, TMS 402-16 Sec. 10.8 & 10.9
YES	c. Placement of reinforcement, connectors, and anchor bolts	--	X	TMS 602-16 Art. 3.2 E & 3.4, TMS 402-16 Sec. 6.1, 6.3.1, 6.3.6, & 6.3.7
YES	d. Proportions of site-prepared grout and prestressing grout for bonded tendons	--	X	TMS 602-16 Art. 2.6 B & 2.4 G.1.b
	3. Verify compliance of the following during construction:			
YES	a. Materials and procedures with the approved submittals	--	X	TMS 602-16 Art. 1.5
YES	b. Placement of masonry units and mortar joint construction	--	X	TMS 602-16 Art. 3.3 B
YES	c. Size and location of structural members	--	X	TMS 602-16 Art. 3.3 F
YES	d. Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction	--	X	TMS 402-16 Sec. 1.2.1 (e), 6.2.1, & 6.3.1
YES	e. Welding of reinforcement	X	--	TMS 402-16 Sec. 6.1.6.1.2
YES	f. Preparation, construction and protection of masonry during cold weather (temperature below 40°F (4.4°C)) or hot weather (temperature above 90°F (32.2°C))	--	X	TMS 602-16 Art. 1.8 C & 1.8 D
NO	g. Application and measurement of prestressing force	X	--	TMS 602-16 Art. 3.6 B
NO	h. Placement of grout and prestressing grout for bonded tendons is in compliance	X	--	TMS 602-16 Art. 3.5 & 3.6 C
NO	i. Placement of AAC masonry units and construction of thin-bed mortar joints	X[1]	X[2]	TMS 602-16 Art. 3.3 B.9 & 3.3 F.1.b
YES	4. Observe preparation of grout specimens, mortar specimens and/or prisms	--	X	TMS 602-16 Art. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3, & 1.4 B.4
	5. Inspect post-installed anchors and dowels in masonry			
YES	a. Mechanical anchors and adhesive anchors and dowels installed in horizontally or upwardly inclined orientations to resist sustained tension loads.	X[3]	--	Manufacturer's specifications & printed installation instructions
YES	b. Mechanical anchors and adhesive anchors and dowels not defined by 5 a.	--	X[3]	Manufacturer's specifications & printed installation instructions

1. Required for the first 5,000 square feet (465 square meters) of AAC masonry.

2. Required after the first 5,000 square feet (465 square meters) of AAC masonry.

3. Post-Installed anchors and dowels shall be either (a.) visually inspected during installation, or (b.) load tested after installation as noted below:
   a. Visual inspections shall be performed during the installation by a Special Inspector certified by ACI as a "Post-Installed Concrete Anchor Installation Inspector". Submit a report to the licensed design professional and building official documenting that the work covered by the report has been performed and that the materials used and the installation procedures used conform with the approved construction documents and the Manufacturer's Printed Installation Instructions.
   b. Load Testing shall comply with the following:
      i. Test at least ten (10) percent of each type and diameter of post-installed anchors. If one or more anchors fail the test, all post-installed anchors of the same diameter and type installed the same day as the failed anchor shall be load tested at the contractor's expense. If additional anchors fail, the engineer may require testing all anchors of the same diameter and type already installed at the contractor's expense.
      ii. Tension testing shall comply with ASTM E488
      iii. Test post-installed anchors to 50 percent of ultimate tensile capacity of post-installed anchor.
      iv. Apply test loads with a calibrated hydraulic ram.
      v. Displacement of post-installed anchors shall not exceed D/10, where D is nominal diameter of anchor being tested.
      vi. Correct defective work by removing and replacing or correcting, as directed by engineer.
      vii. Contractor shall pay for all corrections, engineering, and additional testing associated with failed anchor tests.
      viii. Testing agency shall submit test results to contractor and engineer with 24 hours of completion of test.

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

10/18/2024
STATE OF TEXAS
AKSHAI RAMAKRISHNAN
101238
LICENSED
PROFESSIONAL ENGINEER

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ISSUES & REVISIONS

No.	Date	Revision

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 832-941-5233

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
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IT / AV / Security:
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Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
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Contact: Sherri Myers
T: 972-245-5300

shaping the built environment
JQ INFRASTRUCTURE, LLC
10810 PARK TEN PLACE, SUITE 225 HOUSTON, TEXAS 77084
832.941.5233 JQENG.COM
PROJECT NO: 42300779 TBPE FIRM F-7986

SPECIAL INSPECTIONS

S1-03

SCALE: As indicated

Project Name: ORG. #235 BAES Date:

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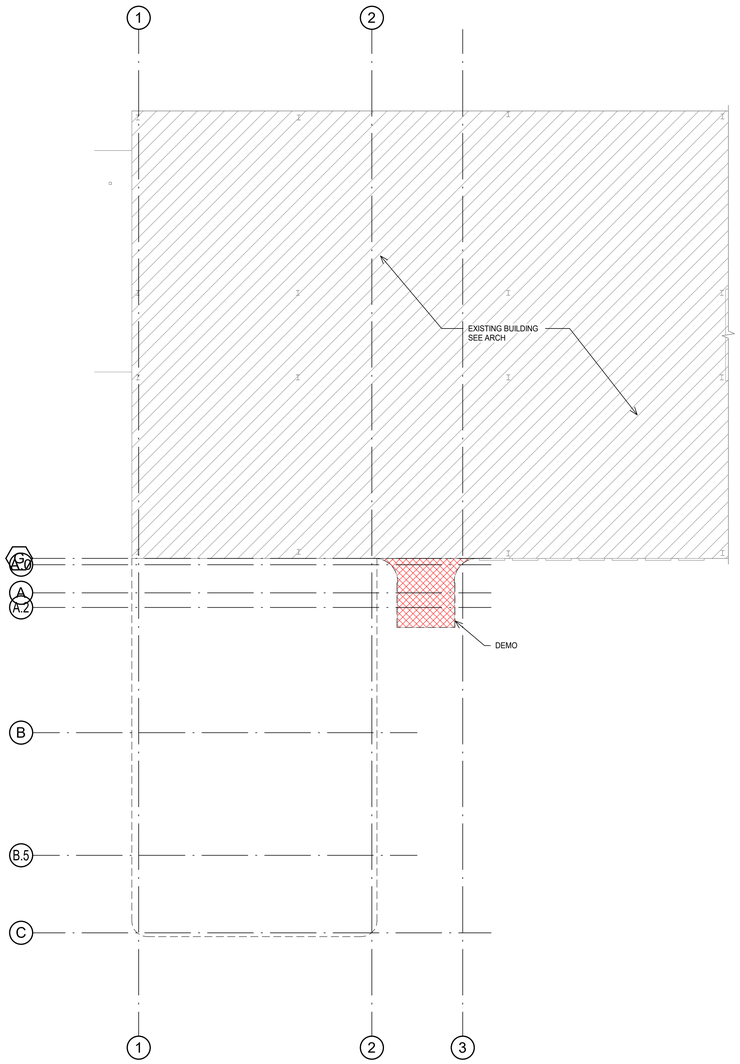


north

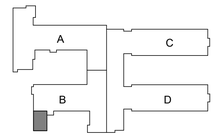
1 DEMO FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

JQI HAS ATTEMPTED BY VISUAL OBSERVATION AND STUDY OF ORIGINAL CONSTRUCTION DOCUMENTS TO DETERMINE EXISTING DIMENSIONS, THE CONDITION OF VARIOUS STRUCTURAL ELEMENTS AND EXISTING CONDITIONS.

HOWEVER, AS SOME CONDITIONS CANNOT BE DETERMINED UNTIL AFTER DEMOLITION OF THE EXISTING BUILDING FINISHES, THE CONTRACTOR MUST CONSIDER AND ALLOW FOR THE FACT THAT DIMENSIONS, THE CONDITION OF STRUCTURAL ELEMENTS, AND DETAIL CONDITIONS MAY BE DIFFERENT FROM THOSE SHOWN ON THESE DRAWINGS.

NOTIFY ENGINEER WHERE CONDITIONS ARE DIFFERENT FROM THOSE SHOWN ON THESE DRAWINGS.

KEY PLAN



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T: 972-245-5300

shaping the built environment

JQ INFRASTRUCTURE, LLC
10810 PARK TEN PLACE, SUITE 225
832.941.5233
HOUSTON, TEXAS 77084
JQIENG.COM

PROJECT NO: 42300779 TBPE FIRM F-7986

FOUNDATION DEMO PLAN

S2-01

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

Project Name: ORG. #235 BAES Date:

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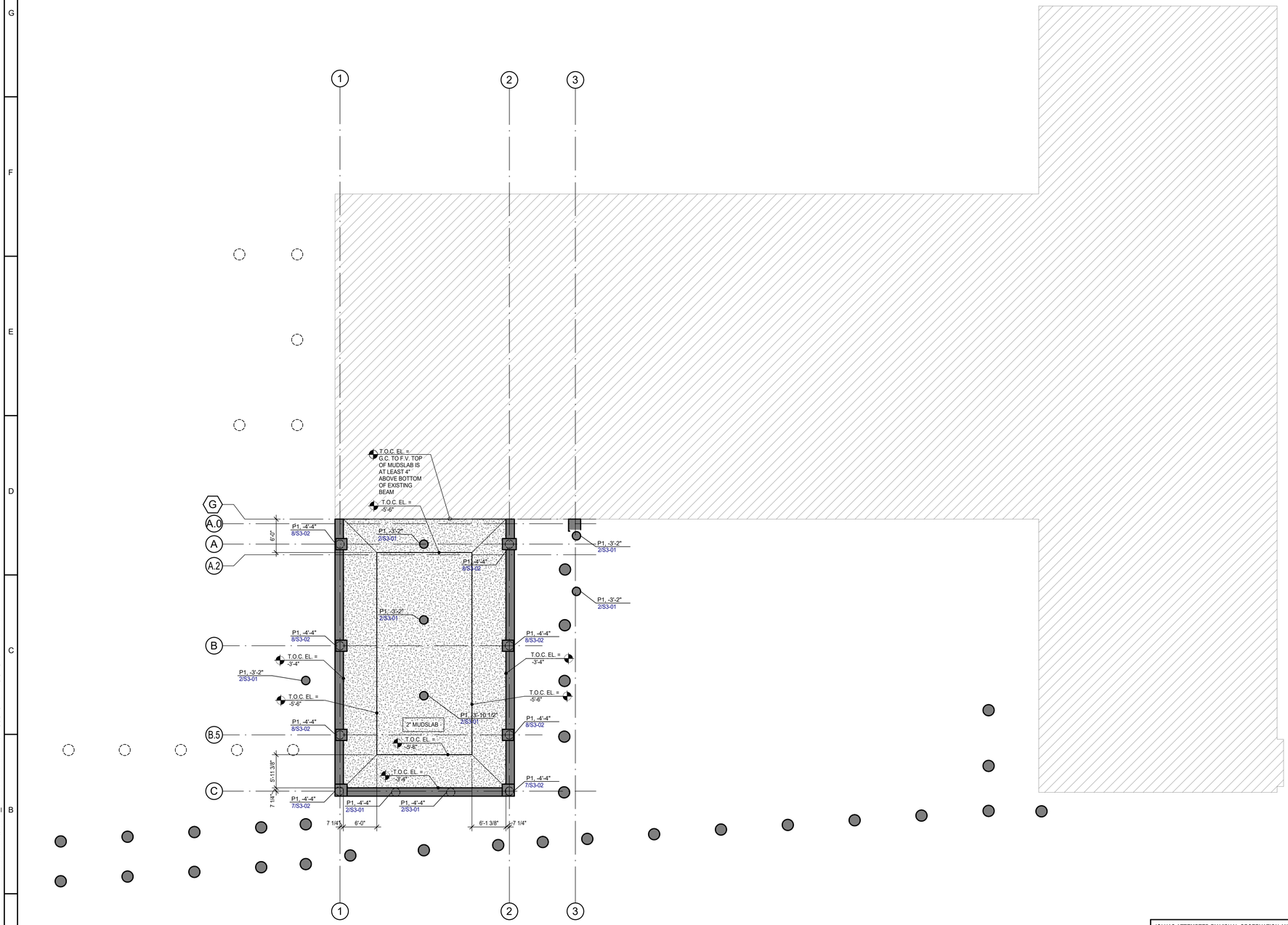

north

1 CRAWL SPACE PLAN
SCALE: 1/8" = 1'-0"

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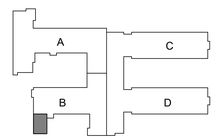

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1830 Goldwood Drive, Dallas, TX 75232

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Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

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CRAWL SPACE PLAN

S2-10
SCALE: 1/8" = 1'-0"

Project Name: ORG. #235 BAES Date:

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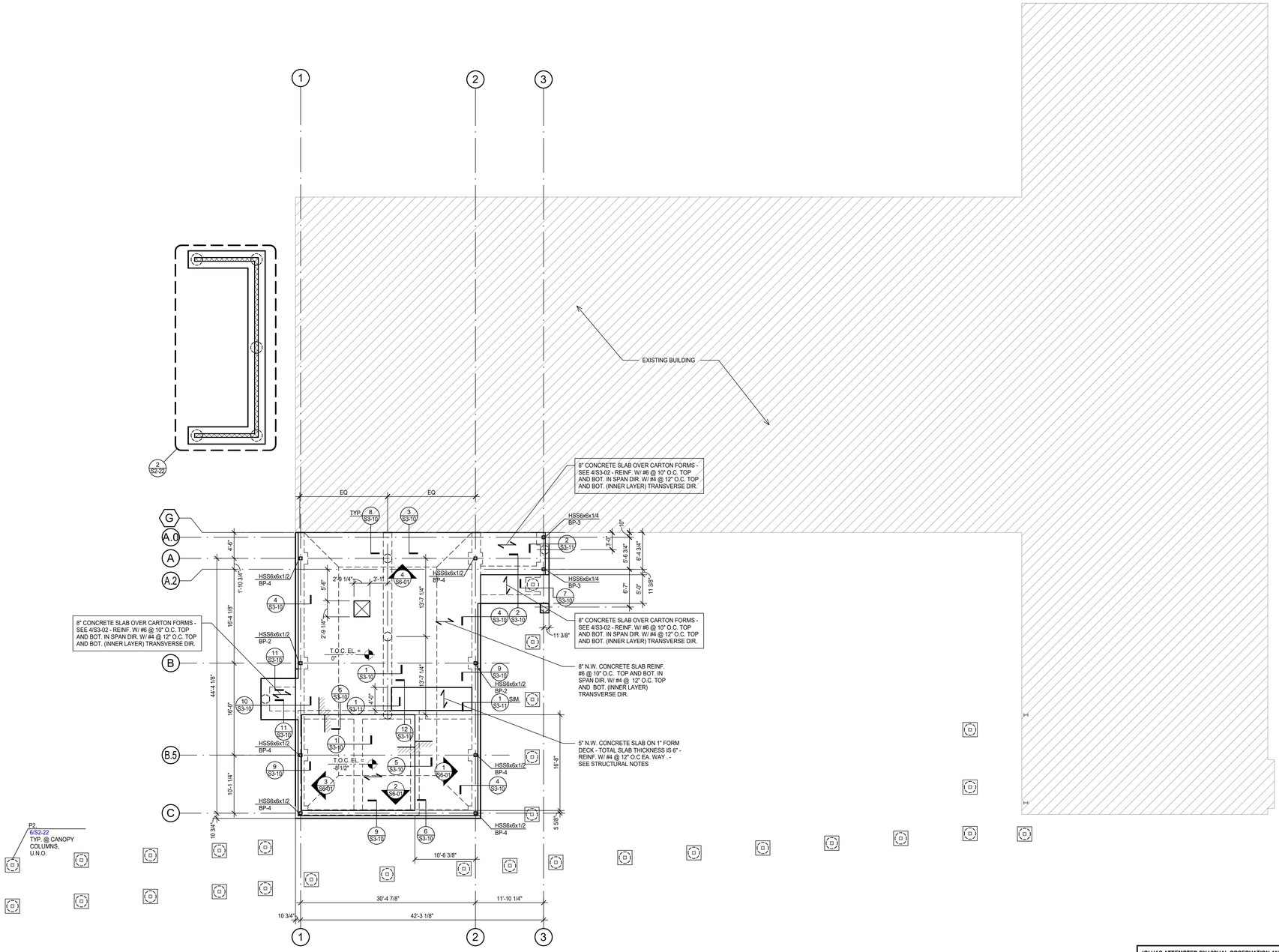

1 FOUNDATION PLAN AND FIRST FLOOR FRAMING

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

north

PLAN NOTES:

1. FINISH FLOOR ELEVATION = 0'-0", UNLESS NOTED OTHERWISE. ACTUAL ELEVATION 605.77' M.S.L. = 0'-0"
2. TOP OF CONCRETE ELEVATION (T.O.C. EL.) = FINISH FLOOR. UNLESS RECESSED TO RECEIVE FLOORING MATERIALS.
3. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF FLOOR RECESSES, DROPS AND SLOPES NOT DIMENSIONED ON PLAN.
4. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR LOCATION AND DIMENSIONS FOR FLOOR PENETRATIONS NOT DIMENSIONED ON PLAN. CONTRACTOR TO COORDINATE.
5. CENTERLINES OF PIERS NOT SPECIFICALLY LOCATED ON PLAN BY NOTE OR DIMENSION SHALL BE LOCATED AS FOLLOWS:
   A. SUPPORTING FREESTANDING COLUMNS: CENTERLINES OF COLUMN.
   B. SUPPORTING GRADEBEAMS AND WALLS: CENTERLINE OF GRADEBEAM OR WALL IN ONE DIRECTION, GRID OR AS NOTED IN OTHER DIRECTION. AT CORNER CONDITIONS: CENTERLINES OF GRADEBEAMS OR WALLS.
   C. COLUMNS EMBEDED IN GRADEBEAMS OR WALLS (PILASTERS): CENTERLINES OF THE COLUMN.
6. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO DRILLING PIERS.
7. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF FLOOR RECESSED, DROPS AND SLOPES NOT DIMENSIONED ON PLAN.

SHEET INDEX

STRUCTURAL NOTES	-S1-01, S1-02, S1-03
TYPICAL DETAILS	-S3-01, S3-02, S5-01, S5-02
PIER SCHEDULE	-S3-01
BASE PLATE SCHEDULE	-S5-01
BRACE ELEVATIONS	-S5-10

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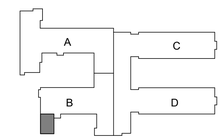

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DALLAS INDEPENDENT SCHOOL DISTRICT

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DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
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CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 832-941-5233

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

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Contact: Sherri Myers
T: 972-245-5300

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JQ INFRASTRUCTURE, LLC
15810 PARK TEN PLACE, SUITE 225 · HOUSTON, TEXAS 77084
832.941.5233 · JQENG.COM
PROJECT NO: 42300079 · TBPE FIRM F-7986

FOUNDATION AND FIRST FLOOR FRAMING PLAN

S2-11

SCALE: As indicated

Project Name: ORG. #235 BAES Date:

Autodesk Docs://DISD_Birdie Alexander ES/42300079 - STRUCTURAL - R24.rvt
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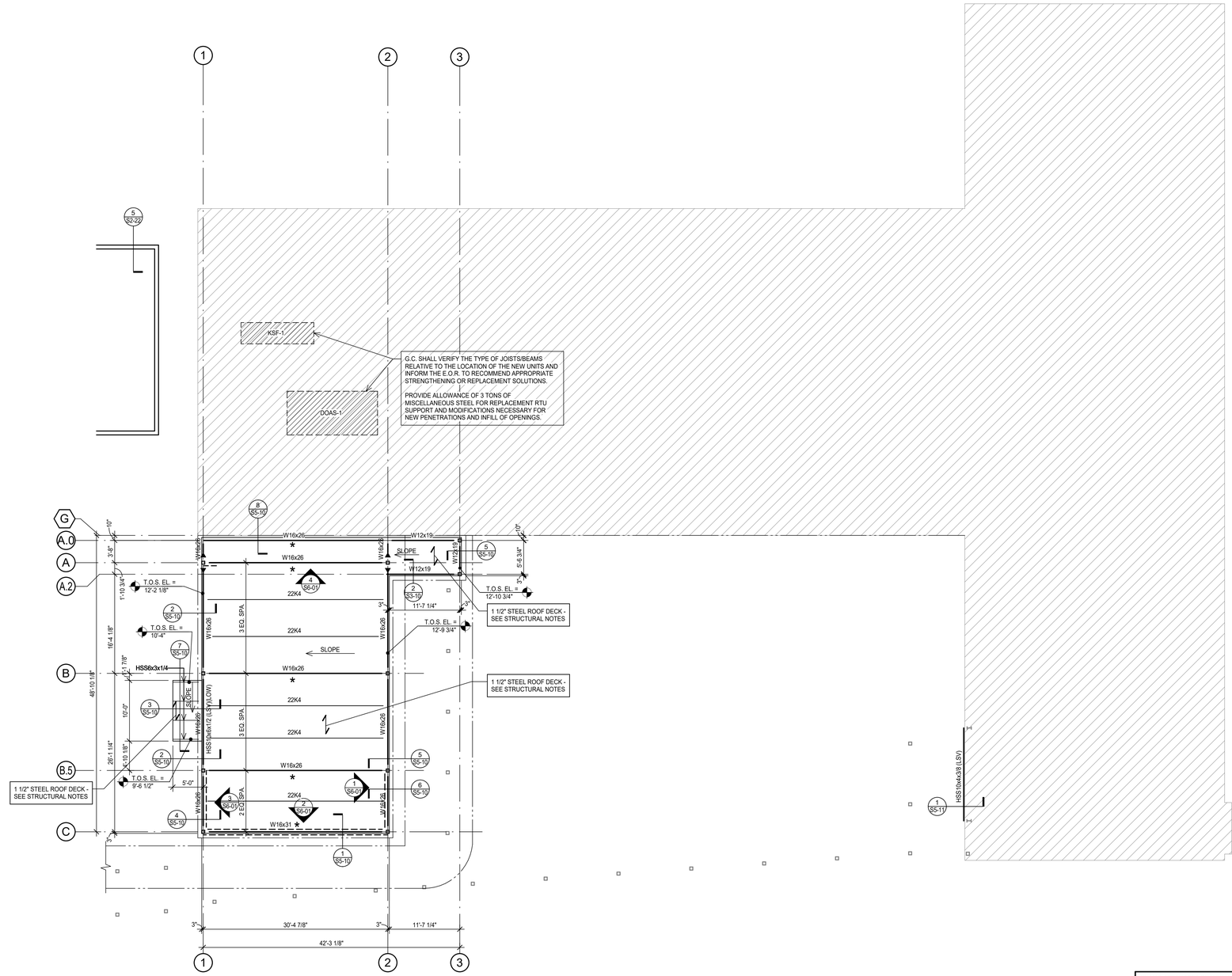


north

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

PLAN NOTES:

1. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. SEE ELEVATIONS NOTED ON THE PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES, UNLESS NOTED OTHERWISE.
2. TOP OF STEEL ELEVATION (T.O.S. EL.) = TOP OF BEAM, JOIST, OR MEMBER SUPPORTING ROOF DECK = BOTTOM OF DECK.
3. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR LOCATION AND DIMENSIONS OF ROOF PENETRATIONS NOT DIMENSIONED ON PLAN. CONTRACTOR TO COORDINATE.
4. STEEL BEAMS SHALL BE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES, UNLESS NOTED OTHERWISE.
5. PROVIDE BEAM FLANGE BRACING PER 10/SS-01 WHERE NOTED "★" THUS ON PLAN.

SHEET INDEX:

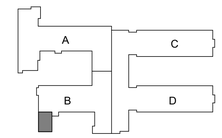
STRUCTURAL NOTES	-S1-01, S1-02, S1-03
TYPICAL DETAILS	-S3-01, S5-01, S5-02

JQI HAS ATTEMPTED BY VISUAL OBSERVATION AND STUDY OF ORIGINAL CONSTRUCTION DOCUMENTS TO DETERMINE EXISTING DIMENSIONS, THE CONDITION OF VARIOUS STRUCTURAL ELEMENTS AND EXISTING CONDITIONS.

HOWEVER, AS SOME CONDITIONS CANNOT BE DETERMINED UNTIL AFTER DEMOLITION OF THE EXISTING BUILDING FINISHES, THE CONTRACTOR MUST CONSIDER AND ALLOW FOR THE FACT THAT DIMENSIONS, THE CONDITION OF STRUCTURAL ELEMENTS, AND DETAIL CONDITIONS MAY BE DIFFERENT FROM THOSE SHOWN ON THESE DRAWINGS.

NOTIFY ENGINEER WHERE CONDITIONS ARE DIFFERENT FROM THOSE SHOWN ON THESE DRAWINGS.

KEY PLAN



N

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DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

10/18/2024
STATE OF TEXAS
AKSHAI RAMAKRISHNAN
101238
LICENSED PROFESSIONAL ENGINEER

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No.	Date	Revision

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shaping the built environment JQInfrastructure

JQ INFRASTRUCTURE, LLC
10810 PARK TEN PLACE, SUITE 225
832.941.5233
HOUSTON, TEXAS 77084
JQENG.COM

PROJECT NO: 42300779 TBPE FIRM F-7986

ROOF FRAMING

S2-21

SCALE: As indicated

Project Name: ORG. #235 BAES Date:

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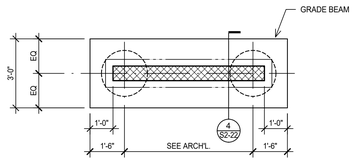
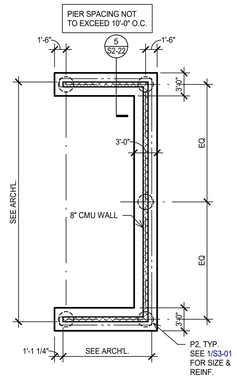


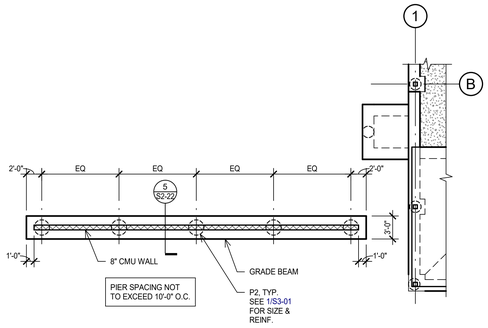
north

1 PLAN VIEW AT MARQUEE SIGN
SCALE: 3/8" = 1'-0"



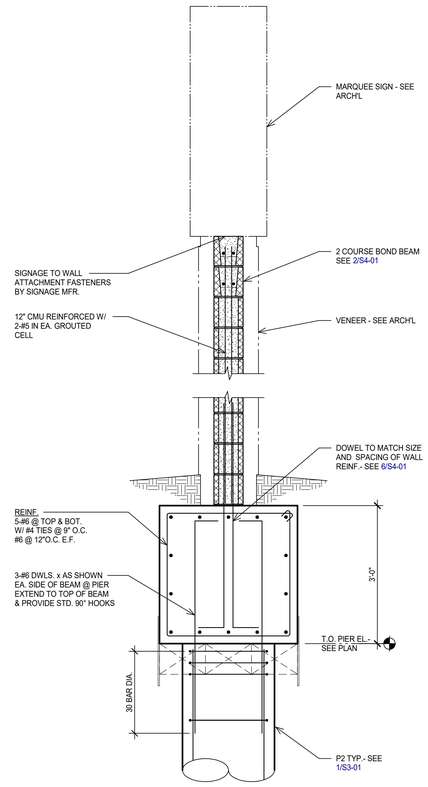
north

2 PLAN VIEW AT DUMPSTER
SCALE: 1/8" = 1'-0"

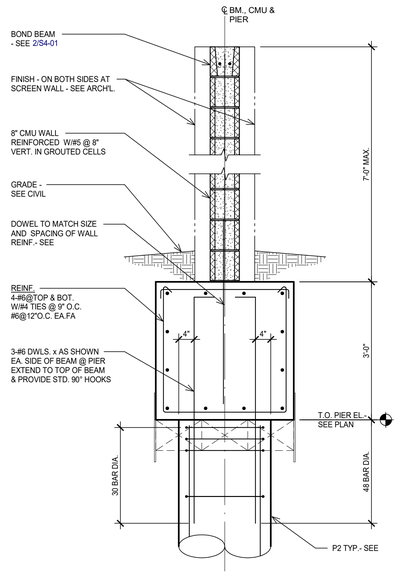


north

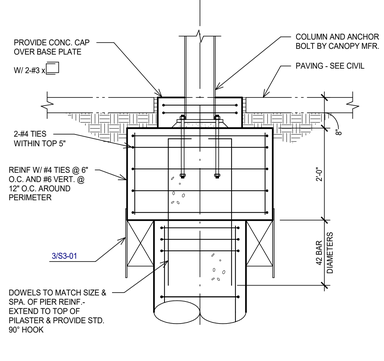
3 PLAN VIEW AT SCREEN WALL
SCALE: 1/8" = 1'-0"



4 MARQUEE SIGN DETAIL
SCALE: 3/4" = 1'-0"



5 TYPICAL DETAIL AT SCREEN WALL AND DUMPSTER
SCALE: 3/4" = 1'-0"



6 TYPICAL TOP OF PIER DETAIL AT CANOPY
SCALE: 3/4" = 1'-0"

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shaping the built environment
JQ INFRASTRUCTURE

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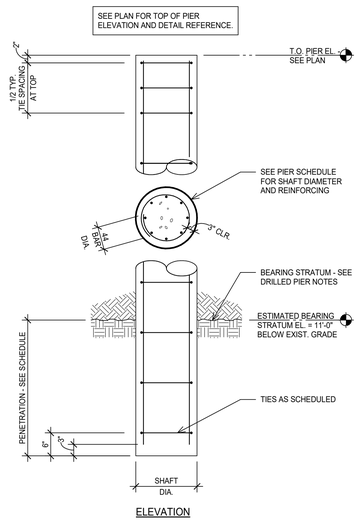
15810 PARK TEN PLACE, SUITE 225 HOUSTON, TEXAS 77084
832.941.5233 JQENG.COM
PROJECT NO: 4230079 TBPE FIRM F-7986

SITE STRUCTURES

S2-22

SCALE: As indicated

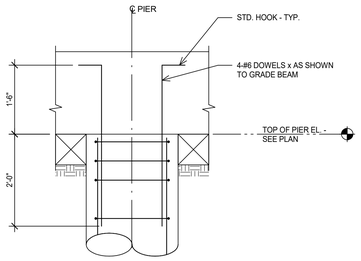
Project Name: ORG. #235 BAES Date:



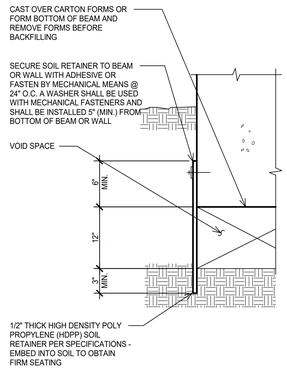
ELEVATION

PIER SCHEDULE - STRAIGHT SHAFT					
MARK	SHAFT DIAMETER	VERTICAL BARS	TIES	PENET.	CAPACITY (ASD)
P1	1'-6"	6-#7	#3 @ 12" O.C.	6'-0"	215 KIPS
P2	2'-0"	8-#7	#3 @ 12" O.C.	6'-0"	325 KIPS

1 TYPICAL DRILLED PIER DETAIL
NO SCALE



2 TYPICAL GRADE BEAM TOP OF PIER DETAIL
NO SCALE



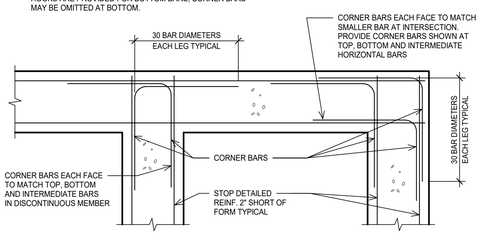
NOTES:

1. FORM ALL SIDES OF ALL BELOW GRADE BEAMS, WALLS, PILASTERS, AND PIER CAPS. EARTH FORMING IS NOT PERMITTED.
2. PLACE SOIL RETAINERS AT SIDES OF VOID SPACE UNDER ALL STRUCTURAL CONCRETE PIER CAPS, PILASTERS, GRADE BEAMS, AND WALLS BELOW GRADE.
3. SLABS HAVE BEEN DESIGNED FOR DEGRADABLE VOID PRODUCTS. USE OF A DIFFERENT PRODUCT IS PROHIBITED.
4. INSTALL SOIL RETAINERS IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS FOLLOWS:
   A. PLACE BASE OF SOIL RETAINER IN A 3" DEEP TRENCH CUT IN UNDISTURBED SOIL OR COMPACTED FILL.
   B. STARTING AT END OF BEAM OR WALL PANEL, LAY SOIL RETAINER IN TRENCH AND PLACE VERTICAL AGAINST BEAM OR WALL PANEL. OVERLAP ENDS OF ADJACENT SOIL RETAINERS 6" MIN. & SECURE TO BEAM OR WALL THROUGH OVERLAP.
   C. CUT TO FIT ENDS OF BEAMS OR WALL PANELS. CUT LENGTHS LESS THAN 1'-0" IN LENGTH SHALL NOT BE USED.
   D. PLACE BACKFILL AS SPECIFIED AFTER COMPLETION OF SOIL RETAINER INSTALLATION. TAKE NECESSARY PRECAUTIONS TO PROTECT SOIL RETAINERS FROM DAMAGE FROM COMPACTION EQUIPMENT.
5. STORE RETAINERS FLAT AND PROTECTED FROM DIRECT SUNLIGHT TO AVOID WARPAGE.

3 TYPICAL HDPP SOIL RETAINER DETAIL
NO SCALE

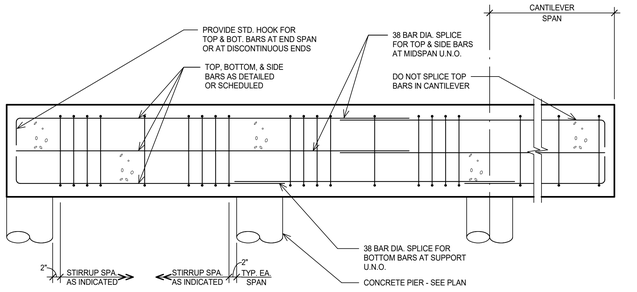
NOTES:

1. MATCH SIZE, LOCATION AND NUMBER OF HORIZONTAL BEAM AND WALL BARS, EXCEPT THAT WHERE THERE ARE MORE THAN 2 TOP OR BOTTOM BARS, ONLY THE INSIDE AND OUTSIDE BARS MUST BE MATCHED.
2. WHERE 90 DEGREE HOOKS ARE PROVIDED FOR TOP BARS CORNER BARS MAY BE OMITTED AT TOP. WHERE 90 DEGREE HOOKS ARE PROVIDED FOR BOTTOM BARS, CORNER BARS MAY BE OMITTED AT BOTTOM.



PLAN

4 TYPICAL CORNER BARS AT WALL OR GRADE BEAM INTERSECTION DETAIL
NO SCALE

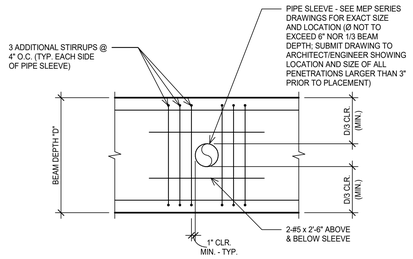


ELEVATION

NOTES:

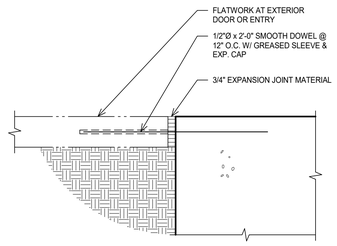
1. BAR SPLICE LENGTHS SHALL BE AS INDICATED UNLESS SCHEDULED OR NOTED OTHERWISE.
2. INCREASE ALL LAP LENGTHS BY 25% @ 75 ksi REINF. BARS - TYP.

5 TYPICAL GRADE BEAM REINFORCING DETAIL
NO SCALE



ELEVATION

6 TYPICAL HORIZONTAL GRADE BEAM PENETRATION DETAIL
NO SCALE



7 TYPICAL FLATWORK AT EXTERIOR DOORS AND ENTRIES DETAIL
NO SCALE

DOWEL SCHEDULE			
		A	B
MARK	SIZE	A	B
DWL-A	#4	8"	3'-0"
DWL-B	#4	3'-0"	3'-0"
DWL-C	#4	-	4'-0"
DWL-D	3/4" DIA. THD.	-	4'-0"
DWL-E	1/2" DIA. THD.	-	3'-0"

NOTES:

1. SCHEDULED DOWELS ARE MARKED "DWL." ON THE SECTIONS AND DETAILS.
2. DOWEL SPACING TO BE THE SAME AS VERTICAL BEAM OR WALL REINFORCEMENT UNLESS NOTED OTHERWISE ON DETAILS.
3. DOWELS WITH "THD." IN "SIZE" COLUMN SHALL BE RICHMOND "CONTINUOUS THREADED LAGSTUD (2/25)" WITH RICHMOND "STANDARD 1/2"x4" 2/15 ANCHOR W/ WASHER" FOR 1/2" DIA. DOWELS AND "STANDARD 3/4"x6" 2/15 ANCHOR W/ WASHER" ANCHORS FOR 3/4"Ø DOWELS OR EQUAL.

8 DOWEL SCHEDULE
NO SCALE

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TYPICAL CONCRETE SECTIONS & DETAILS

S3-01

SCALE: As indicated

Project Name: ORG. #235 BAES Date:

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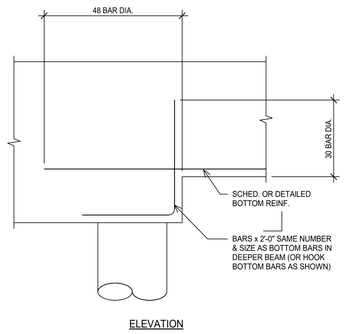
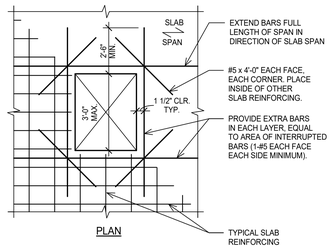
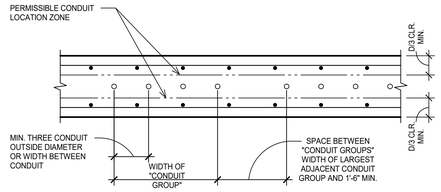


1 TYPICAL DROP IN BOTTOM OF GRADE BEAM DETAIL
SCALE: 3/4" = 1'-0"



NOTE:
EXTRA BARS MAY BE OMITTED WHERE SIDES OF OPENING ARE FRAMED BY BEAMS.

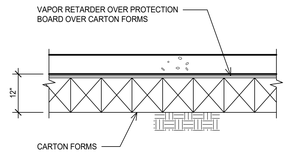
2 TYPICAL REINFORCEMENT AT CONCRETE SLAB OPENING DETAIL
NO SCALE



NOTES:

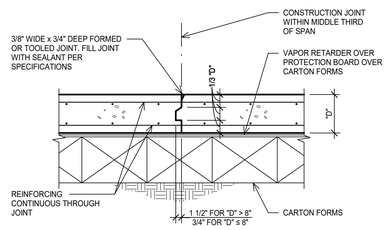
1. NOT MORE THAN FIVE CONDUITS SHALL BE PLACED WITHIN A "CONDUIT GROUP" WITH THREE CONDUIT DIAMETERS OR WIDTHS OF LARGEST CONDUIT CENTER TO CENTER BETWEEN INDIVIDUAL CONDUITS. MINIMUM 6" CLEAR.
2. PROVIDE EMBEDDED ITEM FREE SPACE BETWEEN "CONDUIT GROUPS" EQUALING TO OR EXCEEDING THE WIDTH OF THE LARGEST ADJACENT CONDUIT GROUP. MINIMUM SPACE BETWEEN CONDUIT GROUPS SHALL NOT BE LESS THAN 1'-6".
3. CONDUITS SHALL NOT BE PLACED WITHIN A ZONE 1'-6" FROM FACE OF SUPPORTS.
4. CONDUITS CANNOT BE SECURED TO SCHEDULED SLAB/BEAM REINFORCING.
5. CONDUITS, WHEN PENETRATING A BEAM, SHALL PENETRATE AT A 90° ANGLE TO THE LONGITUDINAL AXIS OF THE BEAM.
6. CONDUIT PLACEMENT SHALL BE PLANNED TO MINIMIZE THE NUMBER OF CROSS OVERS REQUIRED. TOTAL HEIGHT OF CONDUITS SHALL BE LIMITED TO 1/3 THE SLAB THICKNESS. CONDUIT CROSS OVER SHALL OCCUR WITHIN THE MIDDLE THIRD OF THE SLAB.

3 TYPICAL CONDUITS EMBEDDED IN CONCRETE SLAB DETAIL
SCALE: 3/4" = 1'-0"

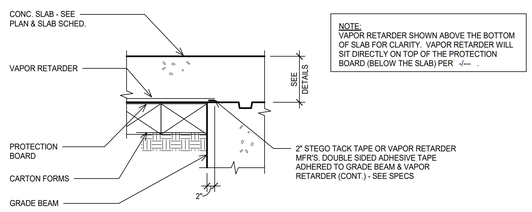


NOTE:
REPLACE CARTON FORMS THAT HAVE BEEN DAMAGED OR IF THEY BECOME SATURATED AND WEAK. TAKE SPECIAL CARE TO PREVENT CRUSHING OF CARTON FORMS DURING PLACEMENT OF REINFORCING AND CONCRETE.

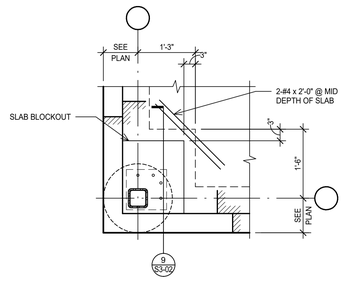
4 TYPICAL SLAB-ON-VOID DETAIL
SCALE: 3/4" = 1'-0"



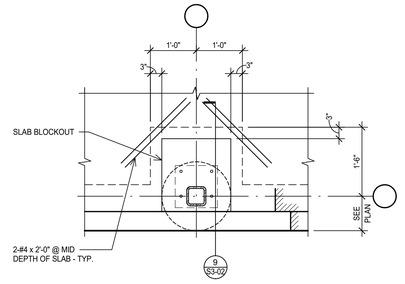
5 TYPICAL STRUCTURAL SLAB CONSTRUCTION JOINT DETAIL
SCALE:NO SCALE



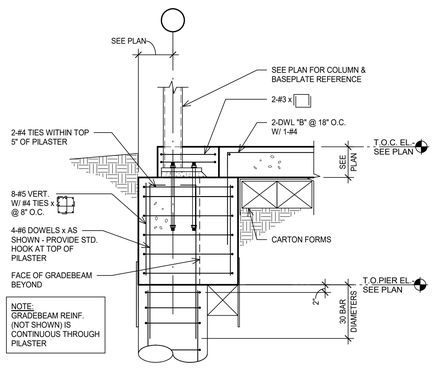
6 TYPICAL SLAB ON VOID DETAIL - VAPOR RETARDER TERMINATION
SCALE: 3/4" = 1'-0"



7 TYPICAL EXTERIOR TOP OF PIER DETAIL
NO SCALE



8 TYPICAL EXTERIOR TOP OF PIER DETAIL
NO SCALE



9 TYPICAL EXTERIOR TOP OF PIER DETAIL
NO SCALE

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

10/18/2024
STATE OF TEXAS
AKSHAI RAMAKRISHNAN
101238
LICENSED PROFESSIONAL ENGINEER

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shaping the built environment — JQ Infrastructure

JQ INFRASTRUCTURE, LLC
15810 PARK TEN PLACE, SUITE 225 HOUSTON, TEXAS 77084
832.941.5233 JQENG.COM
PROJECT NO: 42300079 TBPE FIRM F-7986

TYPICAL CONCRETE SECTIONS & DETAILS

S3-02
SCALE: NO SCALE

Project Name: ORG. #235 BAES Date:

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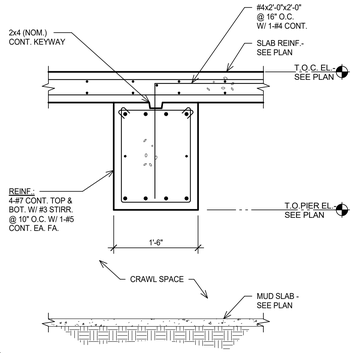
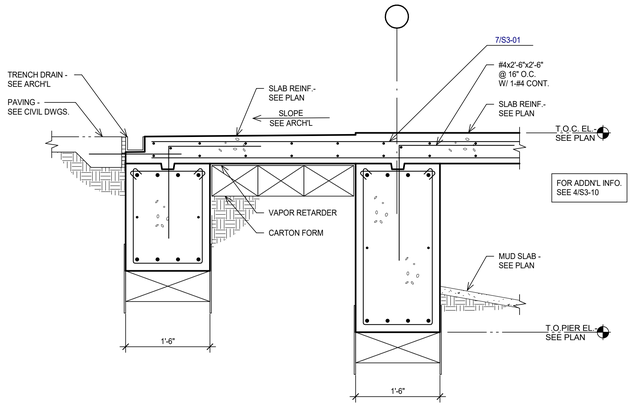


1 SECTION
SCALE: 3/4" = 1'-0"



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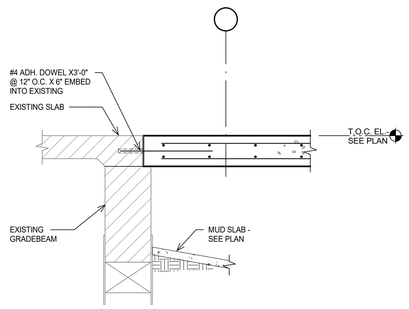

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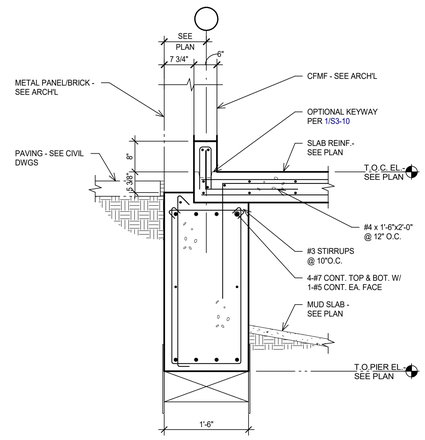


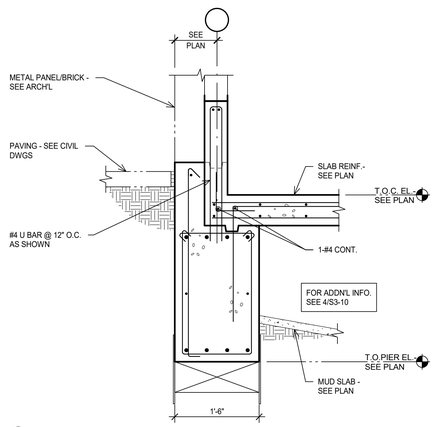
4 SECTION
SCALE: 3/4" = 1'-0"

5 SECTION
SCALE: 3/4" = 1'-0"

6 SECTION
SCALE: 3/4" = 1'-0"

7 TYPICAL TOP OF PIER DETAIL AT CANOPY
SCALE: 3/4" = 1'-0"

8 SECTION
SCALE: 3/4" = 1'-0"



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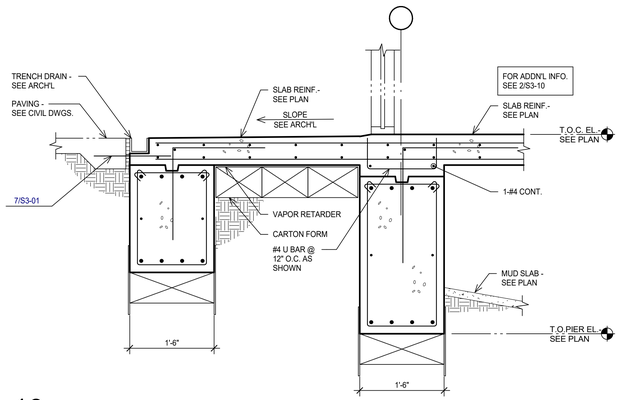
SCALE: 3/4" = 1'-0"



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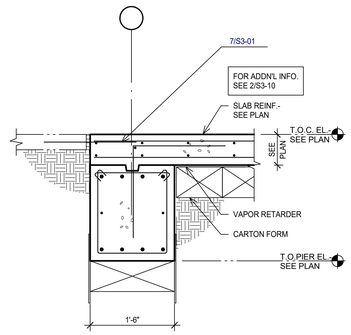
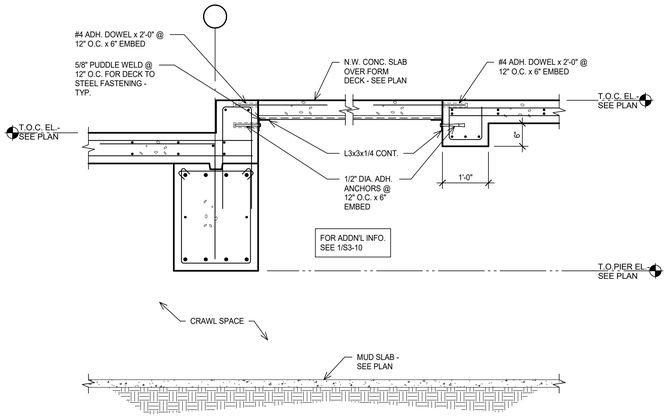
SCALE: 3/4" = 1'-0"



11 SECTION
SCALE: 3/4" = 1'-0"



12 SECTION
SCALE: 3/4" = 1'-0"

Bid and Permit

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DALLAS ISD
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100 Glass St.
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f. 713-229-0692
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10/18/2024
STATE OF TEXAS AKSHAI RAMAKRISHNAN 101238 LICENSED PROFESSIONAL ENGINEER

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shaping the built environment JQ Infrastructure

JQ INFRASTRUCTURE, LLC
15810 PARK TEN PLACE, SUITE 225 HOUSTON, TEXAS 77084
832.941.5233 JQENG.COM
PROJECT NO: 4230079 TBPE FIRM F-7986

CONCRETE SECTIONS & DETAILS

S3-10

SCALE: As indicated

Project Name: ORG. #235 BAES Date:

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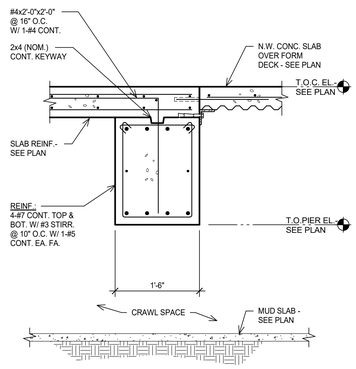
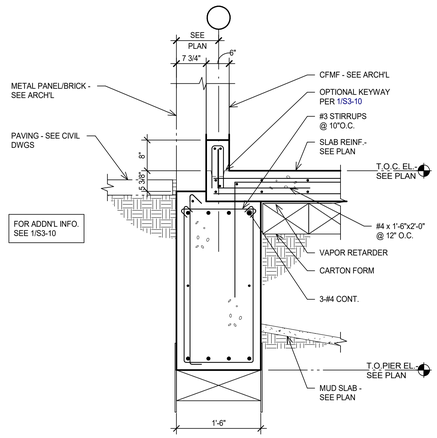


1 SECTION
SCALE: 3/4" = 1'-0"



2 SECTION
SCALE: 3/4" = 1'-0"

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101238
LICENSED PROFESSIONAL ENGINEER

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shaping the built environment
JQ INFRASTRUCTURE, LLC
10810 PARK TEN PLACE, SUITE 225
832.941.5233
HOUSTON, TEXAS 77084
JQENG.COM
PROJECT NO: 42300079
TBPE FIRM F-7986

CONCRETE SECTIONS & DETAILS

S3-11

SCALE: 3/4" = 1'-0"

Project Name: ORG. #235 BAES Date:

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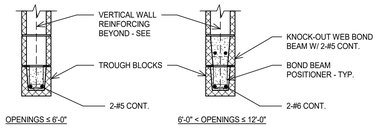
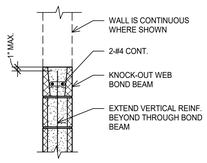


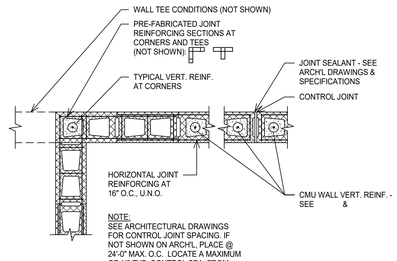
NOTES:

1. LINTELS SHALL REMAIN SHORED UNTIL MASONRY CONSTRUCTION ABOVE HAS CURED FOR A MINIMUM OF 14 DAYS.
2. SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZE AND LOCATION.
3. VERTICAL CONTROL JOINTS SHALL NOT CROSS LINTEL REINFORCING.

1 TYPICAL CMU LINTEL DETAIL
SCALE: 3/4" = 1'-0"



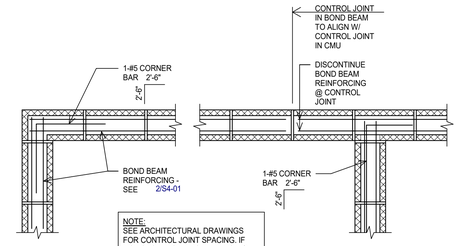
2 TYPICAL CMU BOND BEAM DETAIL
SCALE: 3/4" = 1'-0"



NOTE:
SEE ARCHITECTURAL DRAWINGS FOR CONTROL JOINT SPACING. IF NOT SHOWN ON ARCH'L, PLACE @ 24'-0" MAX. O.C. LOCATE A MAXIMUM OF 1/2 TYP. CONTROL SPA. FROM CORNERS.

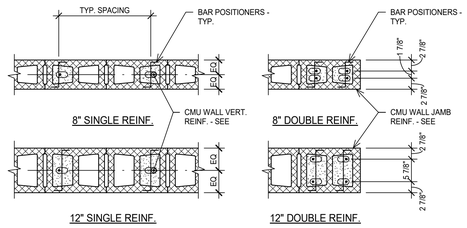
PLAN

3 TYPICAL CMU BAR PLACEMENT DETAIL
SCALE: 3/4" = 1'-0"



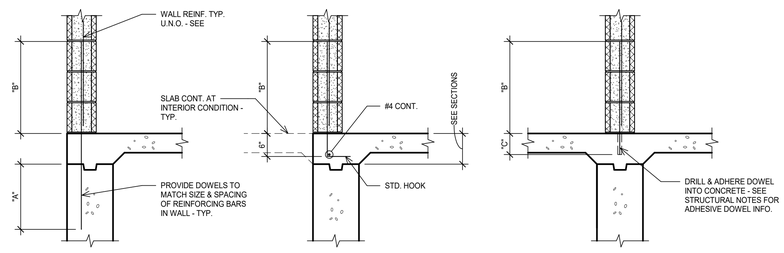
NOTE:
SEE ARCHITECTURAL DRAWINGS FOR CONTROL JOINT SPACING. IF NOT SHOWN ON ARCH'L, PLACE @ 24'-0" MAX. O.C. AND PER GUIDELINES ON . LOCATE A MAXIMUM OF 1/2 TYP. CONTROL SPA. FROM CORNERS.

4 TYPICAL CORNER BARS AT BOND BEAMS DETAIL
SCALE: 3/4" = 1'-0"



NOTES:
1. PROVIDE BAR POSITIONERS AT TOP AND BOTTOM OF LAP SPLICES AND AT 48" O.C. MAX. VERTICALLY.
2. HORIZONTAL JOINT REINFORCEMENT NOT SHOWN FOR CLARITY - SEE 3/S4-01

5 TYPICAL CMU BAR PLACEMENT DETAIL
SCALE: 3/4" = 1'-0"



CAST-IN-PLACE (STRAIGHT BAR)

CAST-IN-PLACE (HOOKED BAR)
SEE NOTE 4

DRILLED-IN ALTERNATE
(@ INTERIOR PARTITIONS ONLY)

NOTES:

1. AT WALLS WITH DOUBLE REINFORCING, PROVIDE SINGLE DOWEL AT SIZE AND SPACING OF SCHEDULED WALL REINFORCING. CENTER DOWEL ON WALL, U.N.O.
2. MASONRY DOWELS SHALL BE TIED IN PRIOR TO CONCRETE PLACEMENT. MASONRY DOWELS SHALL NOT BE "STABBED" IN.
3. FOR DRILLED IN ALTERNATE, HOLES FOR MASONRY DOWELS MUST BE CLEANED WITH A WIRE BRUSH AND COMPRESSED AIR. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. THE HOOKED BAR OPTION SHALL NOT BE USED UNLESS DETAILED IN THE SECTIONS OR IS A INTERIOR PARTITION WALL.

DOWEL SIZE	DIMENSIONS		
	"A"	"B"	"C"
#4	14"	14"	4 1/2"
#5	18"	22"	6"
#6	20"	42"	7"
#7	30"	60"	8"

6 TYPICAL MASONRY WALL DOWEL DETAIL
SCALE: 3/4" = 1'-0"

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100 Glass St.
Dallas, TX 75207
p. 713-229-0688
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Contact: Kristopher McGraw

10/8/2024
STATE OF TEXAS
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101238
LICENSED
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shaping the built environment

JQ INFRASTRUCTURE, LLC
13810 PARK TEN PLACE, SUITE 225
832.941.5233
HOUSTON, TEXAS 77084
JQENG.COM
PROJECT NO: 423O079
TBPE FIRM F-7986

TYPICAL MASONRY SECTIONS & DETAILS

S4-01

SCALE: 3/4" = 1'-0"

Project Name: ORG. #235 BAES Date:

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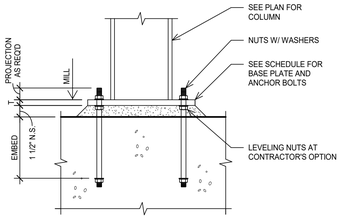
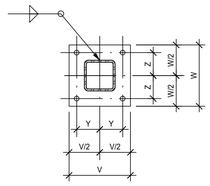
BASE PLATE & ANCHOR BOLT SCHEDULE									
MARK	BASE PLATE DIMENSIONS					DETAIL	ANCHOR BOLTS		
	V	W	Y	Z	T		NO./TYPE	DIA.	EMBED LENGTH
BP-1	12"	12"	4"	4"	3/4"	2/SS-01	4/AB-2	1"	1'-6"
BP-2	12"	12"	4 1/2"	4 1/2"	3/4"	3/SS-01	4/AB-2	1"	1'-6"
BP-3	12"	12"	4 1/2"	4 1/2"	3/4"	4/SS-01	4/AB-2	1"	1'-6"
BP-4	17"	17"	SEE DTL.	SEE DTL.	1 1/2"	11/SS-01	8/AB-2	1"	1'-6"

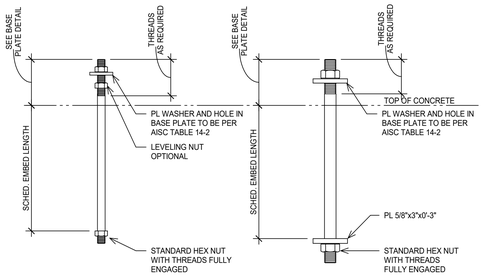
1 BASE PLATE & ANCHOR BOLT SCHEDULE
SCALE: 3/4" = 1'-0"



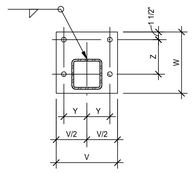


NOTES:
1. WELD TO BE 1/16" SMALLER THAN THICKNESS OF TUBE.
2. FOR BASE PLATE ELEVATION SEE DETAIL 6/SS-01

2 TYPICAL BASE PLATE DETAIL
SCALE: 3/4" = 1'-0"



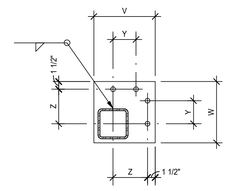
3 TYPICAL BASE PLATE DETAIL - EDGE COLUMN
NO SCALE



NOTES:
1. WELD TO BE 1/16" SMALLER THAN THICKNESS OF TUBE.
2. FOR BASE PLATE ELEVATION SEE DETAIL

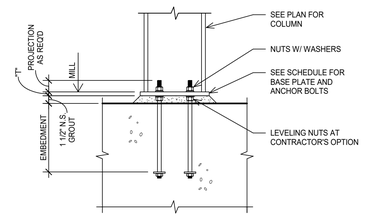
BASE PLATE DIMENSIONS		
ANCHOR ROD Ø	WASHER SIZE	MIN. WASHER THK.
3/4"	2"	1/4"
7/8"	2 1/2"	5/16"
1"	3"	3/8"
1 1/4"	3 1/2"	1/2"

4 TYPICAL BASE PLATE DETAIL - CORNER COLUMN
NO SCALE

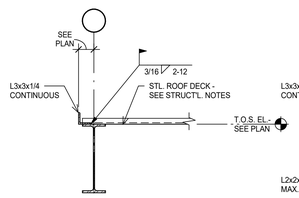


NOTES:
1. WELD TO BE 1/16" SMALLER THAN THICKNESS OF TUBE.
2. FOR BASE PLATE ELEVATION SEE DETAIL

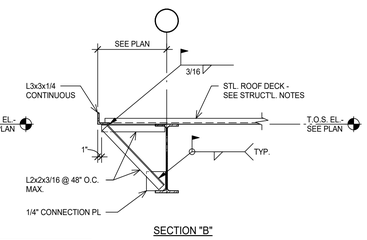
5 TYPICAL COLUMN BASE PLATE DETAIL
SCALE: 3/4" = 1'-0"



ELEVATION



SECTION "A"



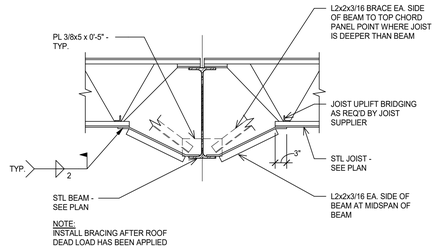
SECTION "B"

NOTE:
1. USE SECTION "B" WHEN MIN. OVERLAP OF ANGLE ON BEAM OF 1" CANNOT BE MAINTAINED.

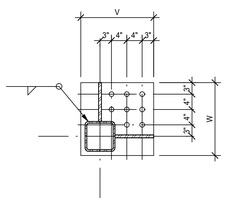
6 TYPICAL COLUMN BASE PLATE DETAIL
SCALE: 3/4" = 1'-0"

7 TYPICAL ANCHOR BOLT TYPES
SCALE: 3/4" = 1'-0"

9 TYPICAL EXTERIOR BEAM PARALLEL TO JOISTS DETAIL
SCALE: 3/4" = 1'-0"



10 TYPICAL JOIST CONNECTION TO BOTTOM FLANGE OF BEAM DETAIL
NO SCALE



11 DETAIL
SCALE: 3/4" = 1'-0"

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

10/18/2024
STATE OF TEXAS
AKSHAI RAMAKRISHNAN
101238
LICENSED PROFESSIONAL ENGINEER

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No.	Date	Revision

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Contact: Koniko McGinnis
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Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 832-941-5233

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

shaping the built environment

JQ INFRASTRUCTURE, LLC
15810 PARK TEN PLACE, SUITE 225 HOUSTON, TEXAS 77084
832.941.5233 JQENG.COM

PROJECT NO: 42300079 TBPE FIRM F-7986

TYPICAL STEEL SECTIONS & DETAILS

S5-01

SCALE: 3/4" = 1'-0"

Project Name: ORG. #235 BAES Date:

Autodesk Docs://DISD_Birdie Alexander ES/42300079 - STRUCTURAL - R24.rvt
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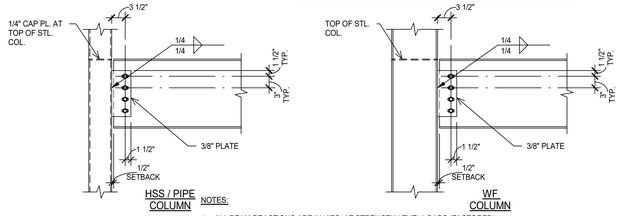
CONNECTION LOAD CAPACITY (NOTE 4)				
NOM. BM. SIZE	# OF BOLTS PER VERT. COL.	MIN. HSS/PIPE SUPPORT THICKNESS	MIN. WF SUPPORT THICKNESS	MAX. REACTION (KIPS)
				3/4"Ø BOLTS
W8	2	0.233"	0.170"	19
W10	2	0.233"	0.190"	21
W12	3	0.233"	0.200"	41
W14	4	0.233"	0.230"	61
W16	4	0.233"	0.250"	61
W18	5	0.233"	0.300"	80
W21	6	0.233"	0.350"	99
W24	7	0.233"	0.395"	117
W27	8	0.233"	0.395"	135
W30	9	0.233"	0.395"	153
W33	9	0.233"	0.395"	153
W36	10	0.233"	0.395"	171
W40	11	0.233"	0.395"	189
W44	12	0.233"	0.395"	207



HSS / PIPE COLUMN

WF COLUMN

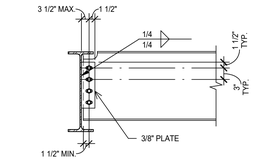
NOTES:

1. ALL BEAM REACTIONS ARE IN KIPS, AT STRENGTH LEVEL LOADS (FACTORED).
2. TABULATED CONNECTION CAPACITIES ARE BASED ON THE GRADES IN THE STRUCTURAL NOTES AND 70 KSI FILLER METAL.
3. BEAMS SHALL HAVE STD. HOLES AND PLATES SHALL HAVE HORIZONTAL SSL HOLES. REFERENCE AISC SPEC. J3.3 FOR HOLE SIZES.
4. THESE CAPACITIES ARE APPLICABLE FOR BEAMS WHICH ONLY HAVE VERTICAL (R=) REACTIONS AND MEET THE CONDITIONS PROVIDED IN THE DETAIL. DELEGATED DESIGNER SHALL PROVIDE CONNECTION CALCULATIONS FOR CONNECTION CONDITIONS THAT EXCEED THE LIMITATIONS OF THIS DETAIL. REFER TO "STRUCTURAL STEEL CONNECTIONS" IN THE STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.

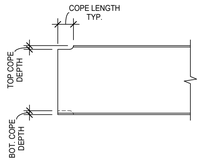
1 TYPICAL BEAM TO HSS / PIPE / WF COLUMN SINGLE PLATE SHEAR CONNECTION DETAIL

SCALE: 3/4" = 1'-0"

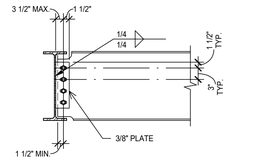
CONNECTION LOAD CAPACITY - TOP COPE ONLY (NOTE 4)					
NOM. BM. SIZE	# OF BOLTS PER VERT. COL.	MIN. SUPPORT THICKNESS	MAX. COPE DEPTH	MAX. COPE LENGTH	MAX. REACTION (KIPS)
					3/4"Ø BOLTS
W8	2	0.170"	1 1/4"	4"	14
W10	2	0.190"	1 1/2"	4"	16
W12	2	0.200"	4"	4"	17
W14	3	0.230"	3 1/4"	5"	30
W16	3	0.250"	4"	5"	32
W18	4	0.300"	4"	5"	52
W21	5	0.350"	4"	7"	76
W24	5	0.395"	5"	8"	80
W27	6	0.460"	5"	8"	99
W30	7	0.470"	5"	8"	117
W33	8	0.550"	5"	8"	135
W36	9	0.600"	5"	8"	153
W40	10	0.630"	5"	8"	171
W44	11	0.710"	5"	8"	189



TOP COPE ONLY



CONNECTION LOAD CAPACITY - TOP AND BOTTOM COPE (NOTE 4)						
NOM. BM. SIZE	# OF BOLTS PER VERT. COL.	MIN. SUPPORT THICKNESS	MAX. TOP COPE DEPTH	MAX. BOT. COPE DEPTH	MAX. COPE LENGTH	MAX. REACTION (KIPS)
						3/4"Ø BOLTS
W10	2	0.190"	1 1/4"	1 1/4"	4"	16
W12	2	0.200"	1 1/2"	1 1/2"	5"	17
W14	3	0.230"	1 1/2"	1 1/2"	5"	30
W16	3	0.250"	1 1/2"	1 1/2"	5"	32
W18	4	0.300"	2"	2"	5"	52
W21	5	0.350"	2"	2"	5"	76
W24	5	0.395"	2"	2"	5"	80
W27	6	0.460"	2 1/2"	2 1/2"	5"	99
W30	7	0.470"	3"	3"	5"	117
W33	8	0.550"	3"	3"	6"	135
W36	9	0.600"	3"	3"	6"	153
W40	10	0.630"	3"	3"	6"	171
W44	11	0.710"	3"	3"	8"	189



TOP & BOTTOM COPE

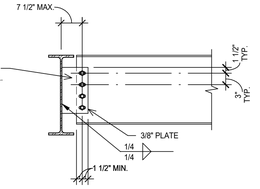
NOTES:

1. ALL BEAM REACTIONS ARE IN KIPS, AT STRENGTH LEVEL LOADS (FACTORED).
2. TABULATED CONNECTION CAPACITIES ARE BASED ON THE GRADES IN THE STRUCTURAL NOTES AND 70 KSI FILLER METAL.
3. BEAMS SHALL HAVE STD. HOLES AND PLATES SHALL HAVE HORIZONTAL SSL HOLES. REFERENCE AISC SPEC. J3.3 FOR HOLE SIZES.
4. THESE CAPACITIES ARE APPLICABLE FOR BEAMS WHICH ONLY HAVE VERTICAL (R=) REACTIONS AND MEET THE CONDITIONS PROVIDED IN THE DETAIL. DELEGATED DESIGNER SHALL PROVIDE CONNECTION CALCULATIONS FOR CONNECTION CONDITIONS THAT EXCEED THE LIMITATIONS OF THIS DETAIL. REFER TO "STRUCTURAL STEEL CONNECTIONS" IN THE STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.

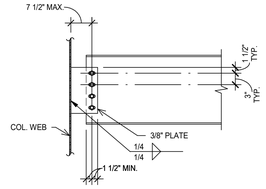
2 TYPICAL BEAM TO BEAM SINGLE PLATE SHEAR CONNECTION DETAIL

SCALE: 3/4" = 1'-0"

CONNECTION LOAD CAPACITY (NOTE 4)			
NOM. BM. SIZE	# OF BOLTS PER VERT. COL.	MIN. SUPPORT THICKNESS	MAX. REACTION (KIPS)
			3/4"Ø BOLTS
W8	2	0.170"	5
W10	2	0.190"	6
W12	3	0.200"	13
W14	4	0.230"	25
W16	4	0.250"	25
W18	5	0.300"	38
W21	6	0.350"	53
W24	7	0.395"	70
W27	8	0.395"	88
W30	9	0.395"	106
W33	9	0.395"	106
W36	10	0.395"	119
W40	11	0.395"	131
W44	12	0.395"	143



AT GIRDER



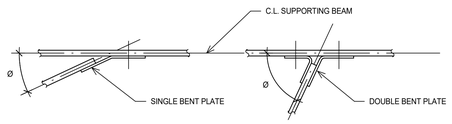
AT COLUMN WEB

NOTES:

1. ALL BEAM REACTIONS ARE IN KIPS, AT STRENGTH LEVEL LOADS (FACTORED).
2. TABULATED CONNECTION CAPACITIES ARE BASED ON THE GRADES IN THE STRUCTURAL NOTES AND 70 KSI FILLER METAL.
3. BEAMS SHALL HAVE STD. HOLES AND PLATES SHALL HAVE HORIZONTAL SSL HOLES. REFERENCE AISC SPEC. J3.3 FOR HOLE SIZES.
4. THESE CAPACITIES ARE APPLICABLE FOR BEAMS WHICH ONLY HAVE VERTICAL (R=) REACTIONS AND MEET THE CONDITIONS PROVIDED IN THE DETAIL. DELEGATED DESIGNER SHALL PROVIDE CONNECTION CALCULATIONS FOR CONNECTION CONDITIONS THAT EXCEED THE LIMITATIONS OF THIS DETAIL. REFER TO "STRUCTURAL STEEL CONNECTIONS" IN THE STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.

3 TYPICAL BEAM TO COLUMN WEB OR GIRDER EXTENDED SINGLE PLATE SHEAR CONNECTION DETAIL

SCALE: 3/4" = 1'-0"



Ø < 60°

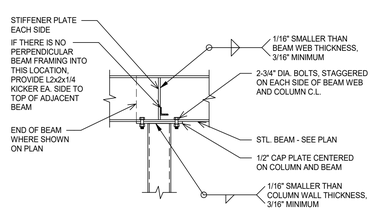
1. DESIGN CONNECTION FOR SINGLE SHEAR AND ECCENTRICITY.

60° ≤ Ø

1. WHERE "Ø" > 85° USE BENT DOUBLE ANGLES IN LIEU OF BENT PLATES.

4 TYPICAL SKEWED SIMPLE FRAMING CONNECTIONS DETAIL

SCALE: 3/4" = 1'-0"

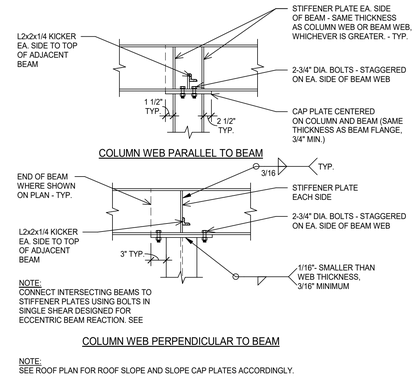


NOTES:

1. SEE ROOF PLAN FOR ROOF SLOPE. SLOPE CAP PLATES ACCORDINGLY.
2. STIFFENER PLATES SHALL BE EQUAL IN THICKNESS TO THE COLUMN WALL THICKNESS OR BEAM WEB THICKNESS, WHICHEVER IS GREATER.
3. CONNECT INTERSECTING BEAMS TO STIFFENER PLATES USING BOLTS IN SINGLE SHEAR DESIGNED FOR ECCENTRIC BEAM REACTION.

5 TYPICAL CAP PLATE - BOLTED CONNECTION DETAIL

SCALE: 3/4" = 1'-0"



COLUMN WEB PARALLEL TO BEAM

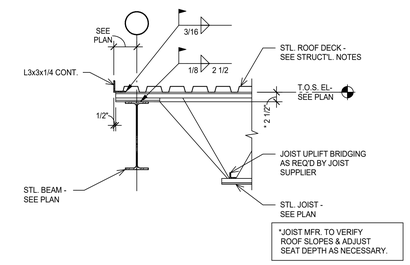
NOTE:
CONNECT INTERSECTING BEAMS TO STIFFENER PLATES USING BOLTS IN SINGLE SHEAR DESIGNED FOR ECCENTRIC BEAM REACTION. SEE

COLUMN WEB PERPENDICULAR TO BEAM

NOTE:
SEE ROOF PLAN FOR ROOF SLOPE AND SLOPE CAP PLATES ACCORDINGLY.

6 TYPICAL COLUMN CAP PLATE TO BEAM CONNECTION DETAIL

NO SCALE



7 TYPICAL KCS OR K SERIES STEEL JOIST BEARING ON PERIMETER BEAM DETAIL

NO SCALE

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f. 713-229-0692
Contact: Kristopher McGraw

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101238
LICENSED ARCHITECT

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HOUSTON, TEXAS 77084
JQENG.COM
PROJECT NO: 42300079
TBPE FIRM F-7986

TYPICAL STEEL SECTIONS & DETAILS

S5-02

SCALE: NO SCALE

Project Name: ORG. #235 BAES Date:

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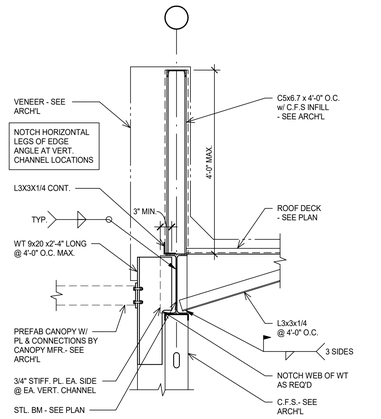
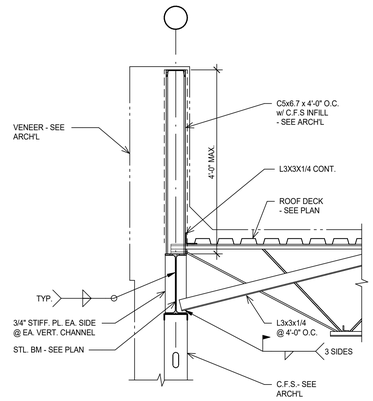
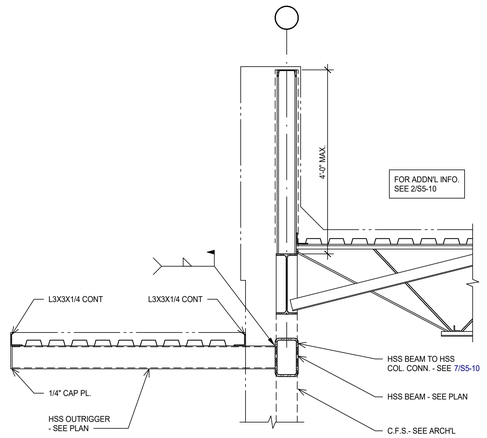


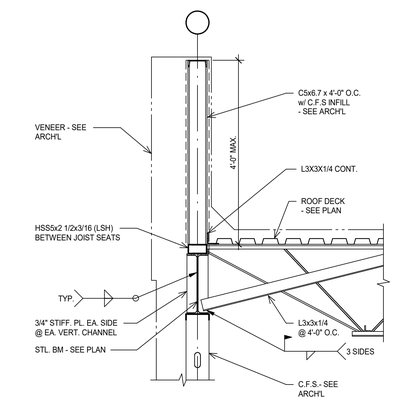
1 SECTION
SCALE: 3/4" = 1'-0"



2 SECTION
SCALE: 3/4" = 1'-0"



3 SECTION
SCALE: 3/4" = 1'-0"



4 SECTION
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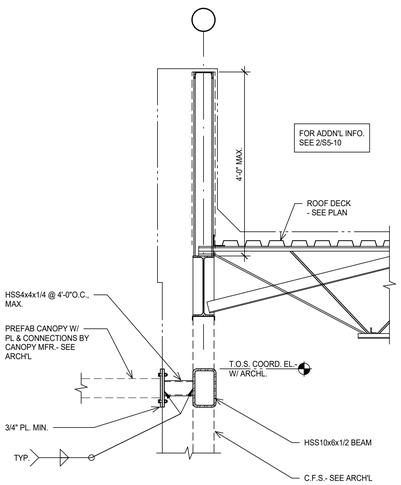
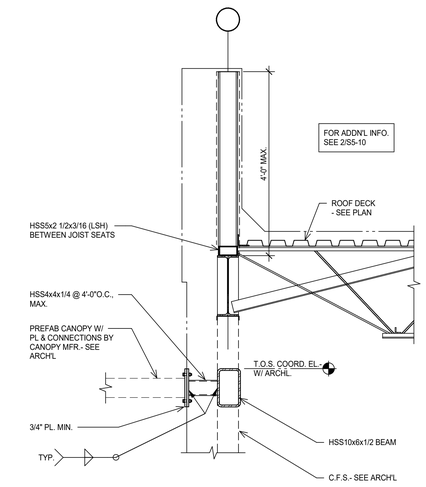
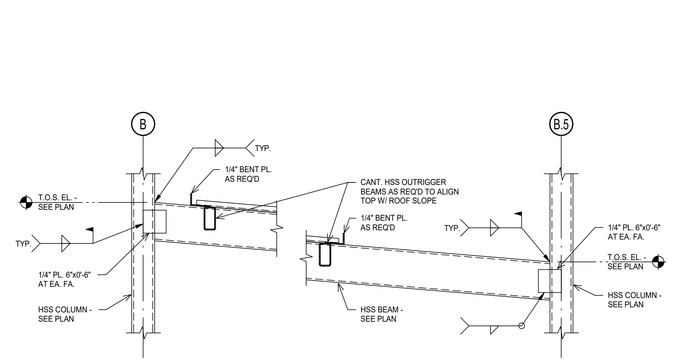


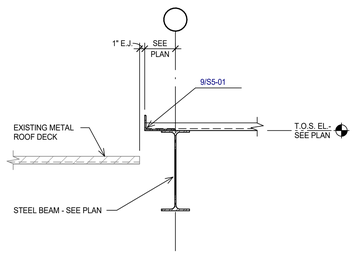
5 SECTION
SCALE: 3/4" = 1'-0"



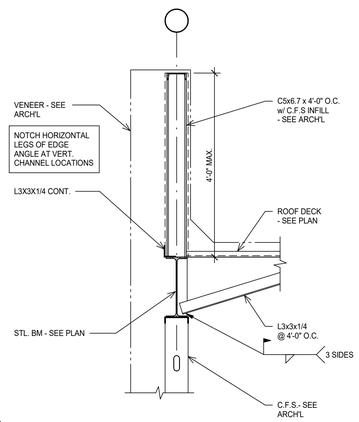
6 SECTION
SCALE: 3/4" = 1'-0"



7 SECTION
SCALE: 3/4" = 1'-0"



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



9 SECTION
SCALE: 3/4" = 1'-0"

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Contact: Kristopher McGraw

10/18/2024
STATE OF TEXAS AKSHAI RAMAKRISHNAN 101238 LICENSED PROFESSIONAL ENGINEER

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No.	Date	Revision

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Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
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Landscape Architecture:
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T: 832-941-5233

MEP:
MEPCE
Contact: Hunter Harris
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IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

shaping the built environment

JQ INFRASTRUCTURE, LLC
13810 PARK TEN PLACE, SUITE 225
832.941.5233
HOUSTON, TEXAS 77084
JQENG.COM
PROJECT NO: 42300079
TBPE FIRM F-7986

STEEL SECTIONS & DETAILS

S5-10
SCALE: As indicated

Project Name: ORG. #235 BAES Date:

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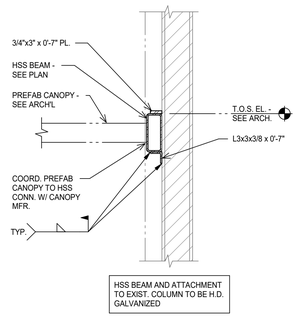

1 SECTION
SCALE: 3/4" = 1'-0"

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

10/18/2024
STATE OF TEXAS
AKSHAI RAMAKRISHNAN
101238
LICENSED PROFESSIONAL ENGINEER

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STEEL SECTIONS & DETAILS

S5-11

SCALE: 3/4" = 1'-0"

Project Name: ORG. #235 BAES Date:

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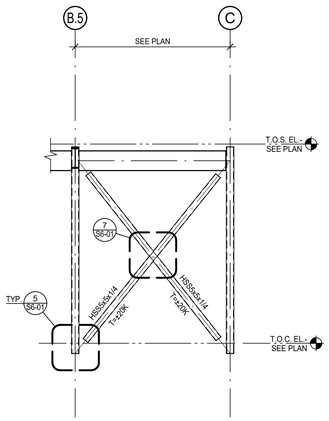
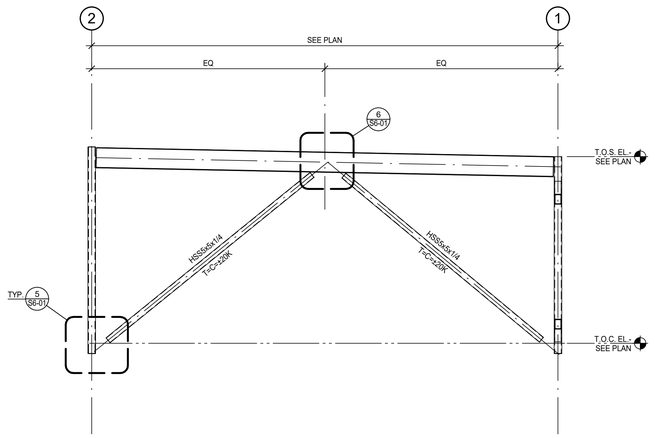
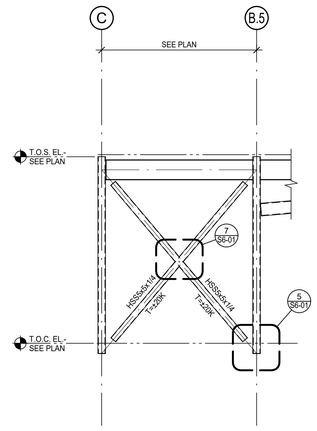


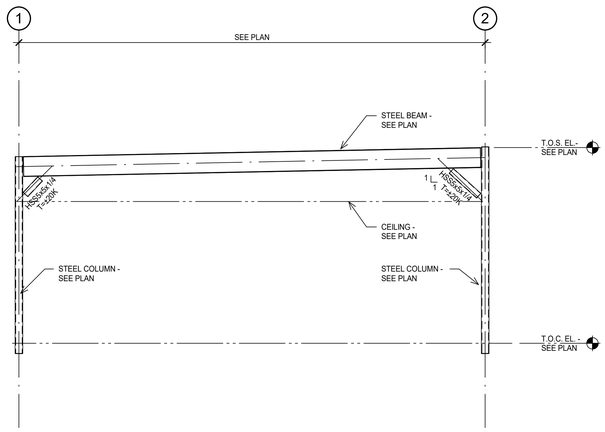
1 BRACE ELEVATION
SCALE: 1/4" = 1'-0"



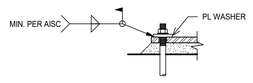
2 BRACE ELEVATION
SCALE: 1/4" = 1'-0"



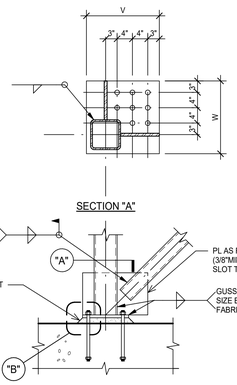
3 BRACE ELEVATION
SCALE: 1/4" = 1'-0"



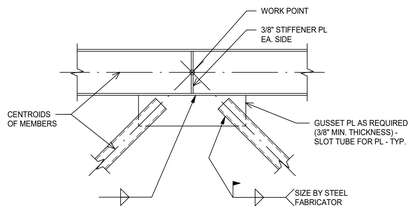
4 FRAME ELEVATION -1
SCALE: 1/4" = 1'-0"



DETAIL "B"



5 TYPICAL WINDBRACE CONNECTION DETAIL
NO SCALE

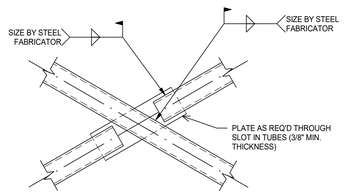


ELEVATION

NOTE:

1. SEE BRACE ELEVATIONS AND STRUCTURAL NOTES FOR FORCES AND CONNECTION DESIGN CRITERIA.

6 TYPICAL WINDBRACE CONNECTION DETAIL
NO SCALE



ELEVATION

NOTE:

1. SEE BRACE ELEVATIONS AND STRUCTURAL NOTES FOR FORCES AND CONNECTION DESIGN CRITERIA.

7 TYPICAL BRACE INTERSECTION DETAIL
NO SCALE

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

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DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

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10/8/2024
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15810 PARK TEN PLACE, SUITE 225 HOUSTON, TEXAS 77084
832.941.5233 JQENG.COM
PROJECT NO: 4230079 TBPE FIRM F-7986

BRACE ELAVATIONS

S6-01

SCALE: As indicated

Project Name: ORG. #235 BAES Date:

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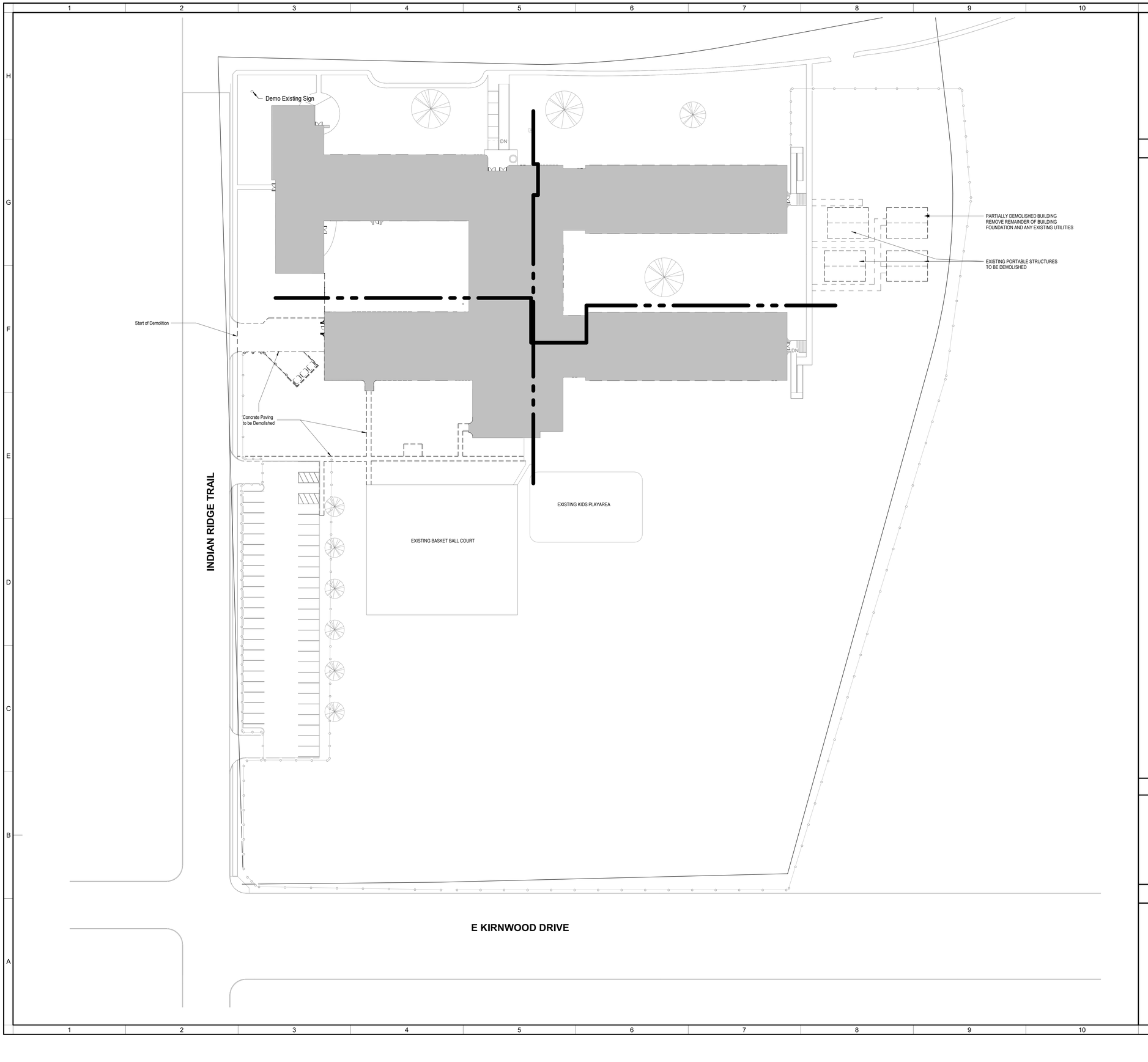

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C. The Owner reserves the right to retain the following salvage items, if so notified (and if not specifically incorporated or reused in this project). Carefully remove, tag, transport, and store in Owner designed storage space (on campus) the following items:

1. Electrical fixtures and devices
2. Doors, door frames, and related hardware
3. Mechanical grills/diffusers
4. Plumbing fixtures and trim
5. Millwork and casework units
6. Toilet accessories
7. Fire extinguishers, fire extinguisher cabinets, and fire alarm equipment
8. Projection screens and projectors
9. Whiteboards and tack boards
10. Other attachments found on partitions, walls, and ceilings to be demolished.
11. Audio-visual equipment
12. Computer (technology) equipment
13. Lockers
14. Ceiling tile and grid
15. Raised access floor system
16. Cafeteria Stacks
17. Door Hardware
18. Camera and other security items
19. IT Items

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F. Protect by appropriate means all existing construction, finishes, and equipment that is to remain. All damaged items/finishes must be repaired/restored to their original (PRE-DAMAGED) condition.

G. Demolition requiring air hammers or other loud noise generating equipment must be carefully coordinated and scheduled with the Owner. Working hours for such activity will be restricted.

H. All penetrations found in existing chases and fire-rated partitions or shafts, not specifically called out, must be patched/fire-safe to meet the required fire assembly rating.

I. Where imbedded items or plumbing fixtures, etc. are removed, patch/repair the existing construction to remain to match and to maintain the structural and/or fire protection integrity of the floor or wall.

J. After removal of existing construction or finishes, patch or repair existing substrates remaining as required to receive the scheduled finish.

K. The note "No Work in This Area" is a general statement. Some MEP work and architectural work may be required in these areas to complete a system to operational status, for minor renovation, for touch up work, or for verification of existing conditions (i.e. previously inaccessible areas) pertinent to the scope of work. Verification of such a condition may or may not impact the project and will be evaluated on a case by case basis.

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N. Existing non-light fixture ceiling mounted devices to remain in place unless otherwise noted

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R. Existing utility lines shall remain in service during the construction period until new tie-ins (if required) can be made operational. Repair any damage caused by construction activities to existing utilities immediately to ensure no interruption in utility service.

S. Refer to the existing survey for topographic and utility information.

T. Existing floor hatches to remain

U. Debris resulting from demolition shall in occupied areas shall be removed daily. No debris shall be disposed of in Owner facilities or containers.

V. Windows to be located in existing opening. While removing windows, protect adjacent walls.

W. All lights to be removed / replaced for a light to light u.n.o.

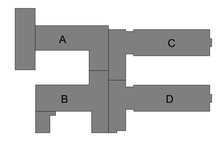
X. Demolish Exterior Walls where indicated. Leave existing structure and roof deck in place

Y. Remove all existing window coverings u.n.o.

LEGEND

- EXISTING TO REMAIN
- DEMOLISH
- LAY-IN CEILING TO BE DEMOLISHED
- GWB CEILING TO BE DEMOLISHED

KEY PLAN



Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

REGISTERED ARCHITECT JAMES B. HARRISON III 1936 STATE OF TEXAS
02.22.2026

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No.	Date	Revision
A	08/11/2023	Schematic Design
B	11/16/2023	Design Development
C	2/9/2024	50% Construction Documents
D	06/13/2025	95% Construction Documents
E	01/16/2026	Permit Review Set
F	02/22/2026	Bid and Permit Set

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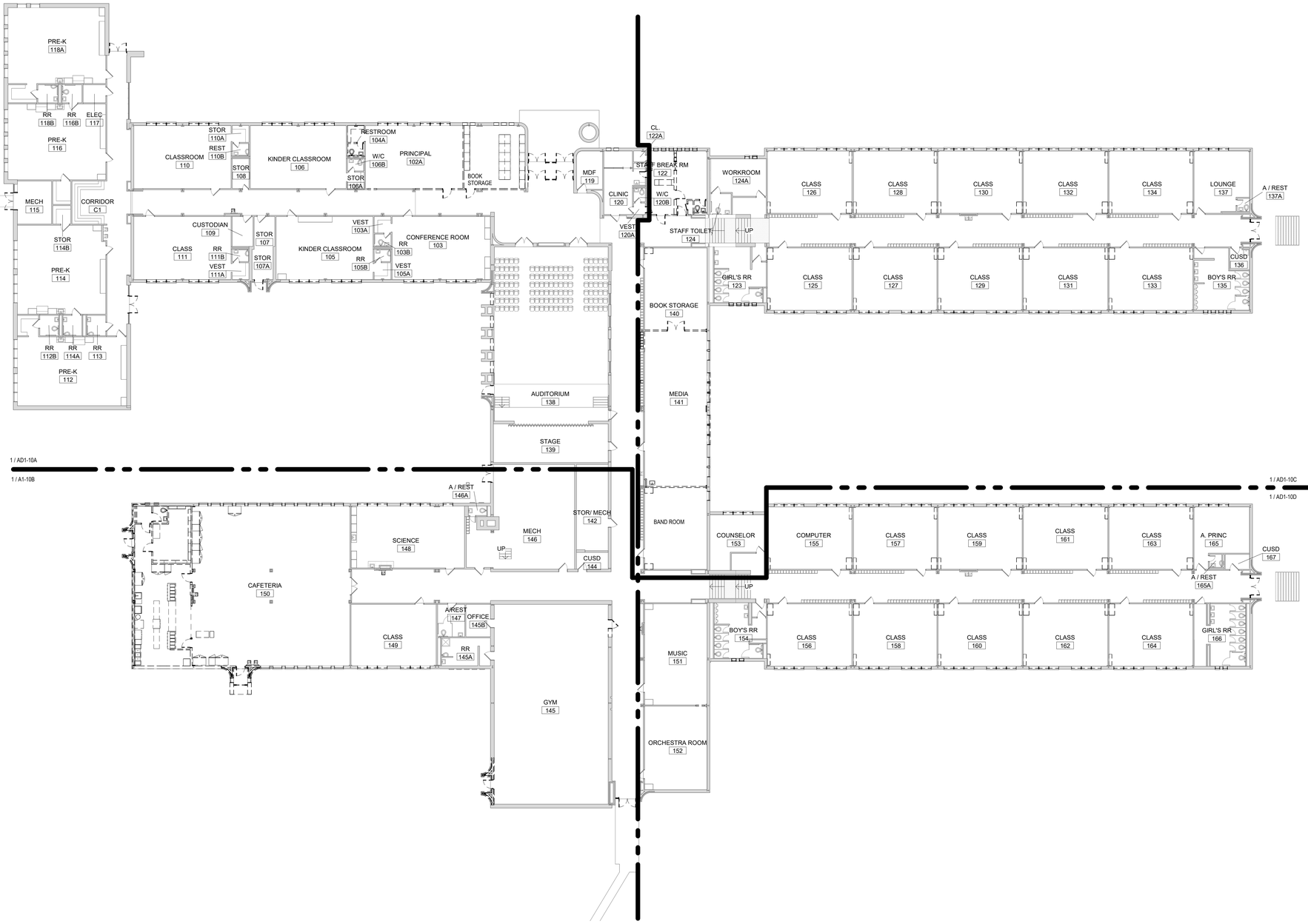
DEMOLITION SITE PLAN

AD0-10

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



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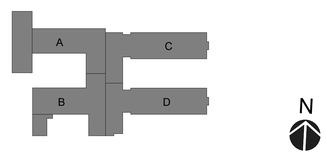
- LAY-IN CEILING TO BE DEMOLISHED
- GWB CEILING TO BE DEMOLISHED

KEY PLAN



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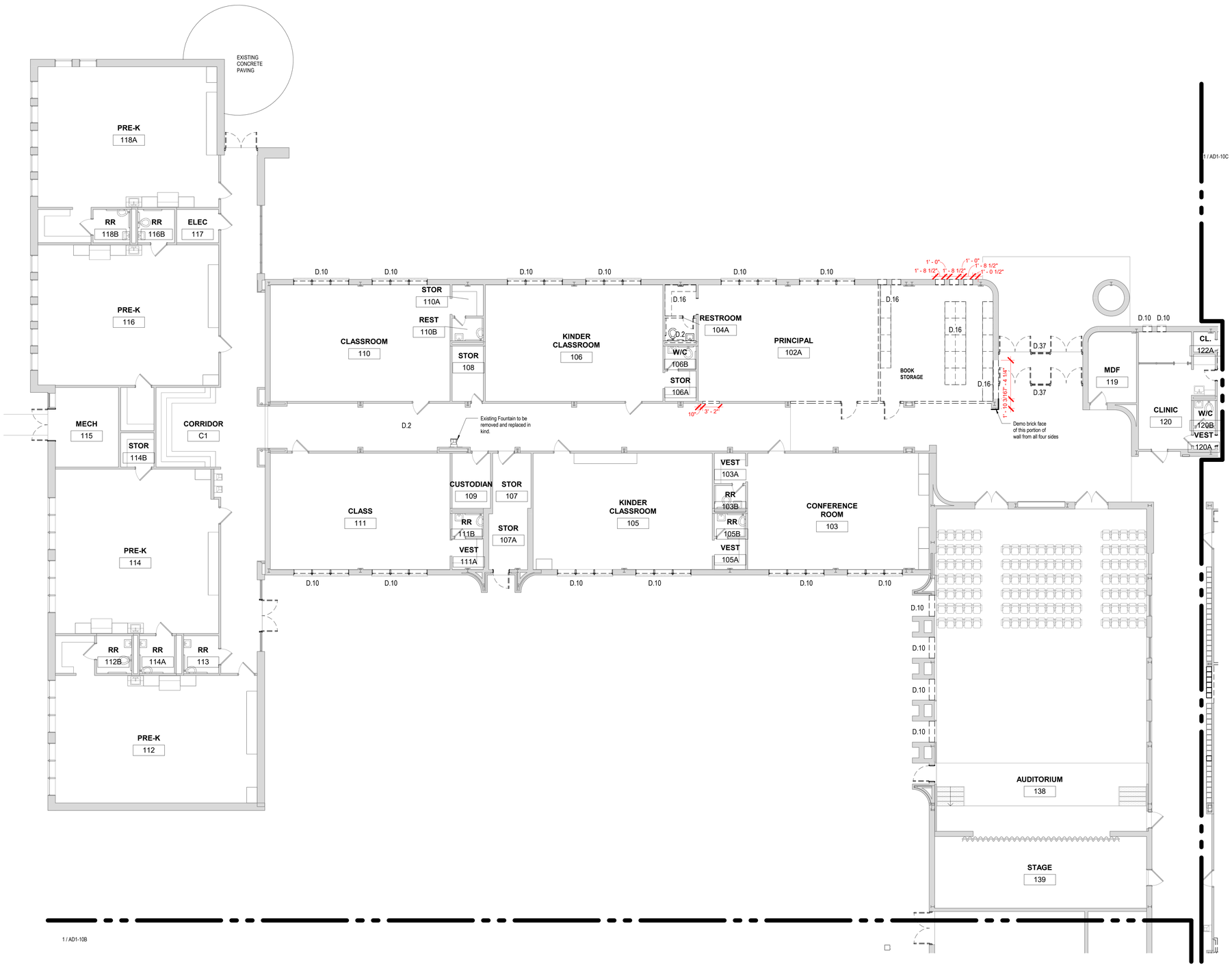
DEMOLITION FLOOR PLAN

AD1-10

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



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8. Projection screens and projectors
9. Whiteboards and tack boards
10. Other attachments found on partitions, walls, and ceilings to be demolished.
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N. Existing non-light fixture ceiling mounted devices to remain in place unless otherwise noted

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W. All lights to be removed / replaced for a light to light u.n.o.

X. Demolish Exterior Walls where indicated. Leave existing structure and roof deck in place

Y. Remove all existing window coverings u.n.o.

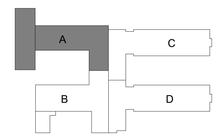
KEYNOTES

D.2	Demolish existing plumbing fixtures, see plumbing dwgs for additional info
D.10	Demolish existing window and frame
D.16	Existing to be removed and salvaged; Coordinate with Owner
D.37	Demolish existing window wall and supporting shim material, grind smooth for seamless transition of new applied flooring

LEGEND

- EXISTING TO REMAIN
- DEMOLISH
- LAY-IN CEILING TO BE DEMOLISHED
- GWB CEILING TO BE DEMOLISHED

KEY PLAN



Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

REGISTERED ARCHITECT JAMES B. HARRISON III 19386 STATE OF TEXAS
02.22.2026

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MEP:
MEPCE
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Roofing:
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IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

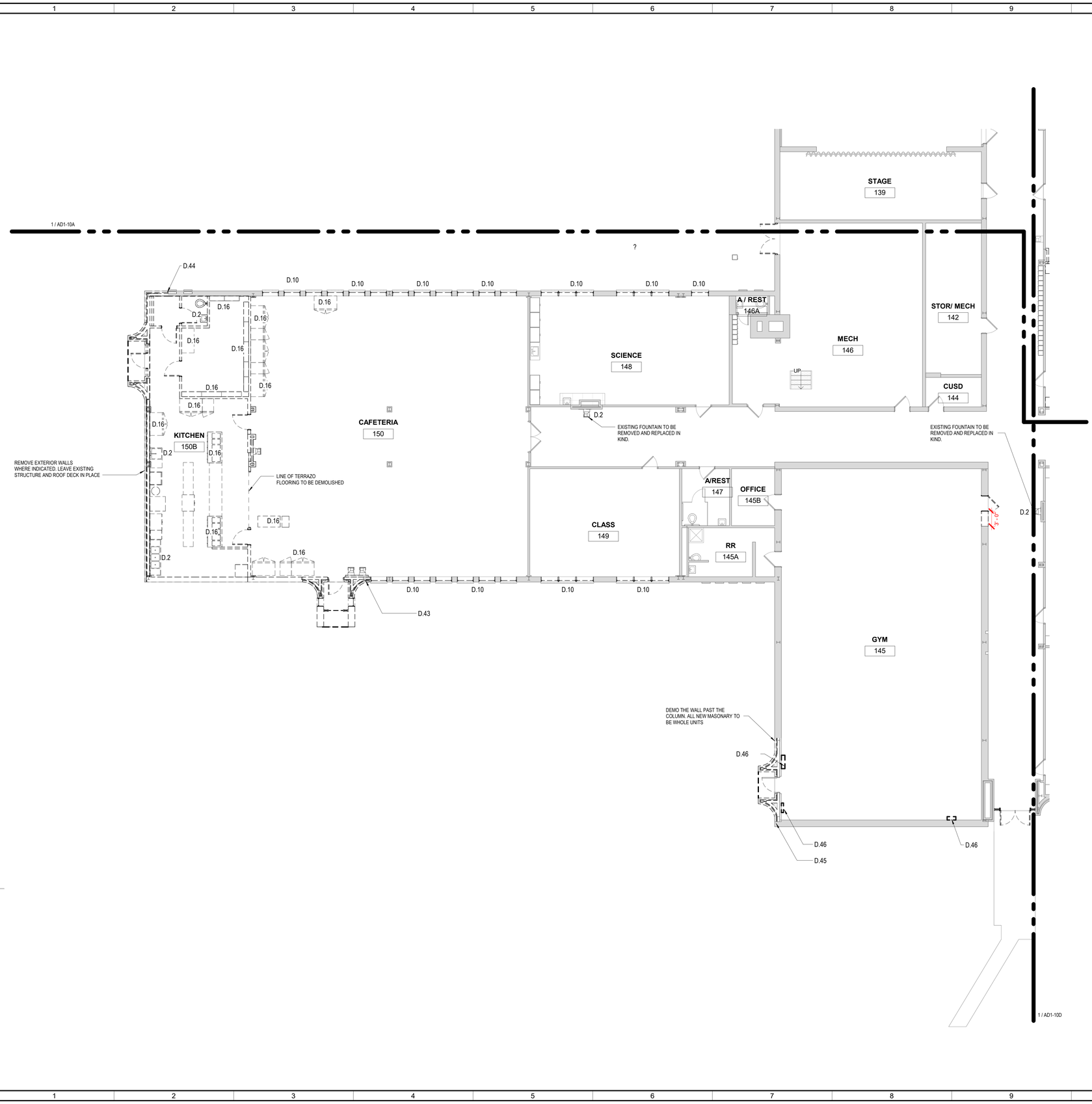
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

DEMOLITION FLOOR PLAN - AREA A

AD1-10A

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



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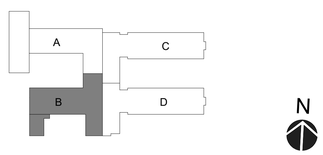
KEYNOTES

D.2	Demolish existing plumbing fixtures, see plumbing dwgs for additional info
D.10	Demolish existing window and frame
D.16	Existing to be removed and salvaged; Coordinate with Owner
D.43	Demolish wall till the end of wing wall, protect adjacent wall
D.44	Line of Demolition to align with the edge of window
D.45	Remove face bricks on this elevation at corner condition. Leave in existing brick units that turn corner
D.46	Relocate any existing wall devices as needed , verify with the owner

LEGEND

- EXISTING TO REMAIN
- DEMOLISH
- LAY-IN CEILING TO BE DEMOLISHED
- GWB CEILING TO BE DEMOLISHED

KEY PLAN



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HarrisonKornberg ARCHITECTS
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p: 713-229-0688
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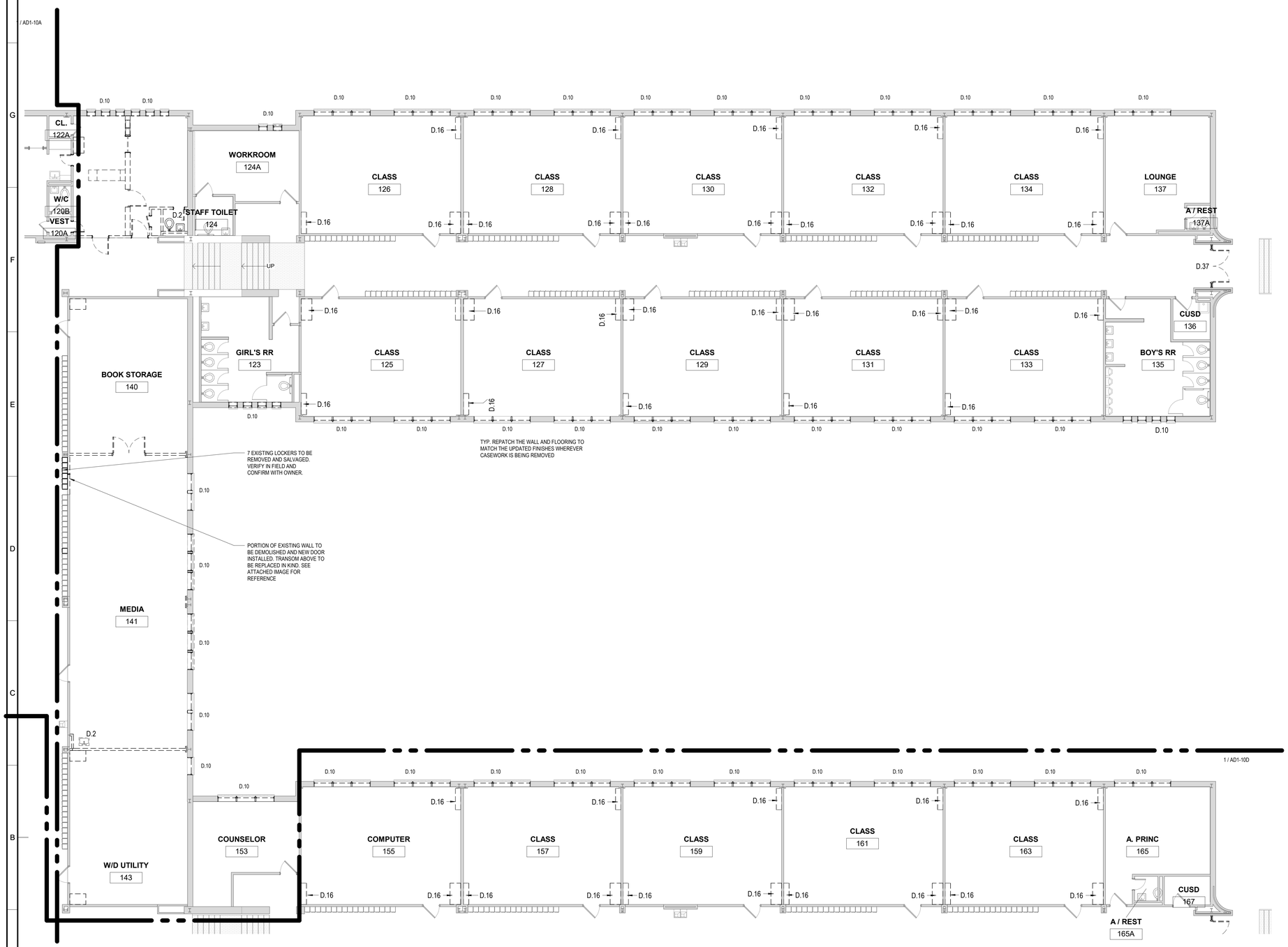
DEMOLITION FLOOR PLAN - AREA B

AD1-10B

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



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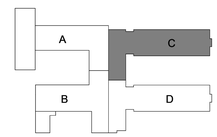
KEY PLAN



N

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HarrisonKornberg ARCHITECTS
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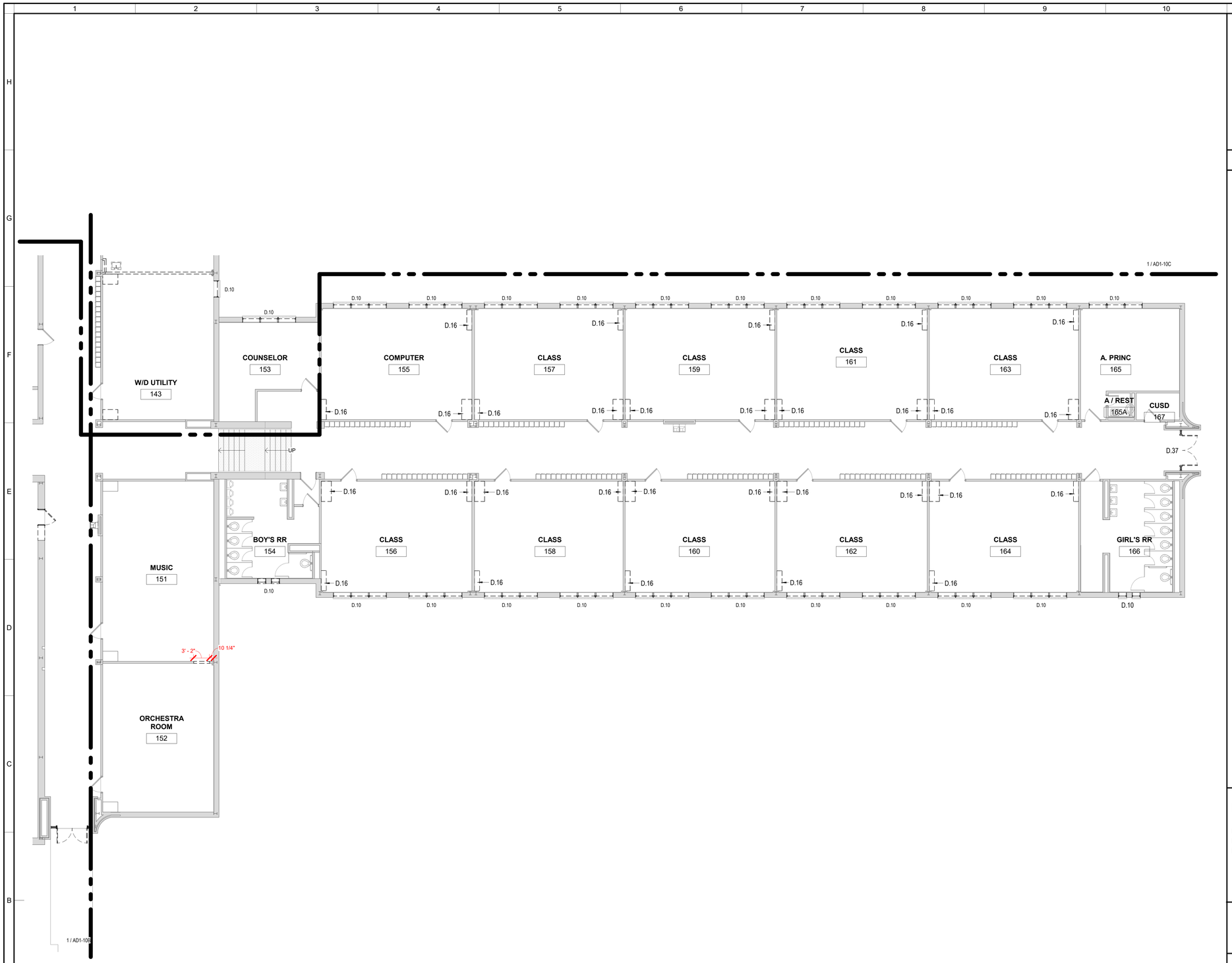
DEMOLITION FLOOR PLAN - AREA C

AD1-10C

SCALE: As indicated

Project Name: ORG. #235 BAES Date: 10/18/2024



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O. Saw cut paving as required to provide a clean break from paving/walk to remain from paving/walk to be removed.

P. All existing structures, auxiliary construction, and site improvements that are to remain including but not limited to utilities infrastructure, vehicular paving, pedestrian paving, site amenities, vegetation, shrubs, and trees shall be protected from construction activities. Any and all damaged items must be repaired/restored to their original (pre-damaged) condition at the direction of the Owner and Architect. Repairs/restoration shall be provided at no cost to the Owner.

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T. Existing floor hatches to remain

U. Debris resulting from demolition shall in occupied areas shall be removed daily. No debris shall be disposed of in Owner facilities or containers.

V. Windows to be located in existing opening. While removing windows, protect adjacent walls.

W. All lights to be removed / replaced for a light to light u.n.o.

X. Demolish Exterior Walls where indicated. Leave existing structure and roof deck in place

Y. Remove all existing window coverings u.n.o.

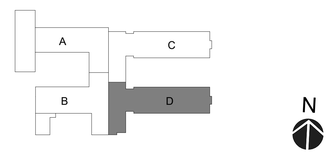
KEYNOTES

D.10	Demolish existing window and frame
D.16	Existing to be removed and salvaged; Coordinate with Owner
D.37	Demolish existing window wall and supporting shim material, grind smooth for seamless transition of new applied flooring

LEGEND

- EXISTING TO REMAIN
- DEMOLISH
- LAY-IN CEILING TO BE DEMOLISHED
- GWB CEILING TO BE DEMOLISHED

KEY PLAN



Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

REGISTERED ARCHITECT JAMES D. HARRISON II 19386 STATE OF TEXAS
02.22.2026

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T: 972-887-5566

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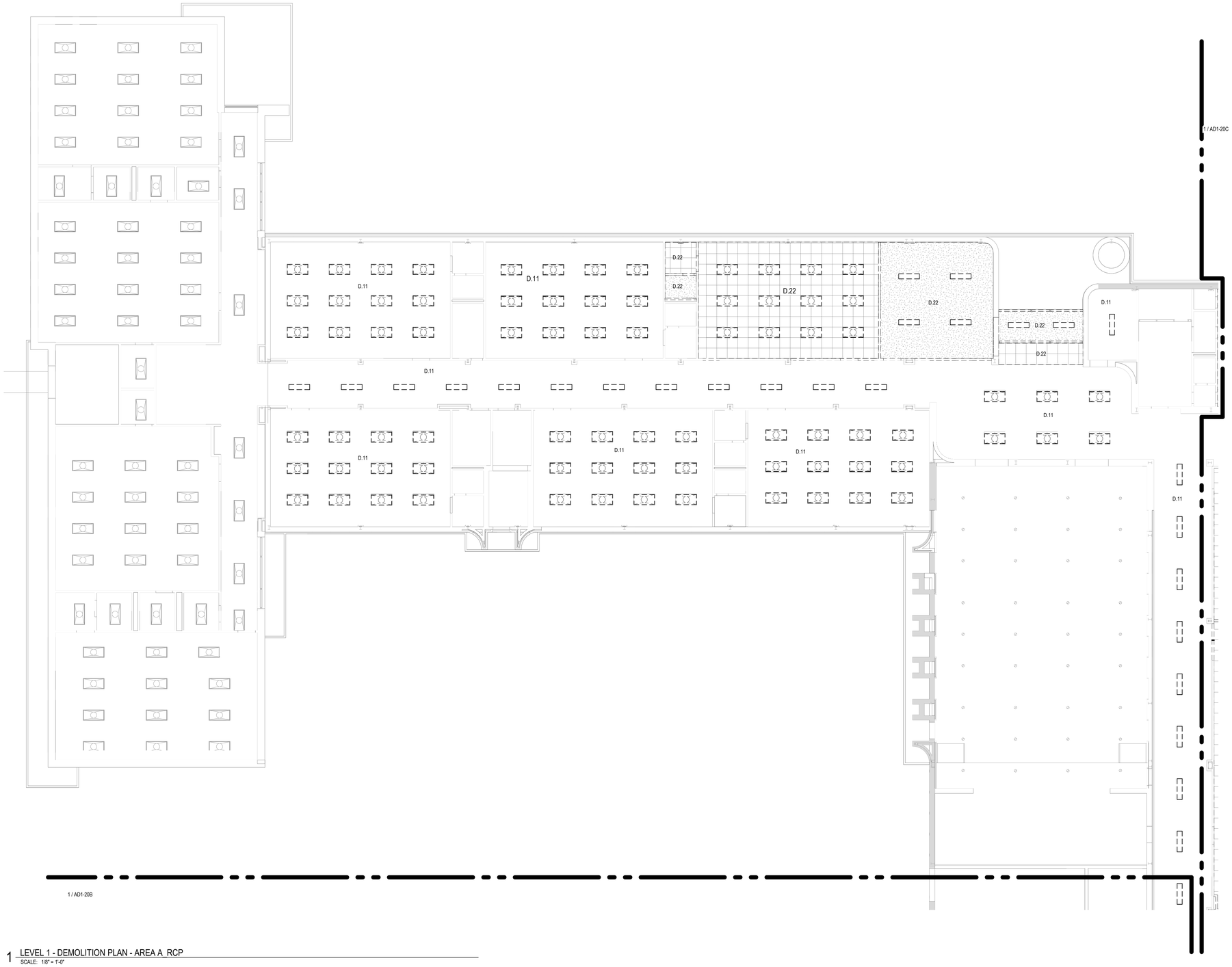
DEMOLITION FLOOR PLAN - AREA D

AD1-10D

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



1 LEVEL 1 - DEMOLITION PLAN - AREA A_RCP
SCALE: 1/8" = 1'-0"

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19. IT Items

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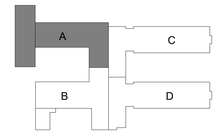
X. Demolish Exterior Walls where indicated. Leave existing structure and roof deck in place

Y. Remove all existing window coverings u.n.o.

KEYNOTES

D.11	Ceiling to Remain and Light fixtures to be demolished
D.22	Demolish ceiling and light fixtures

KEY PLAN



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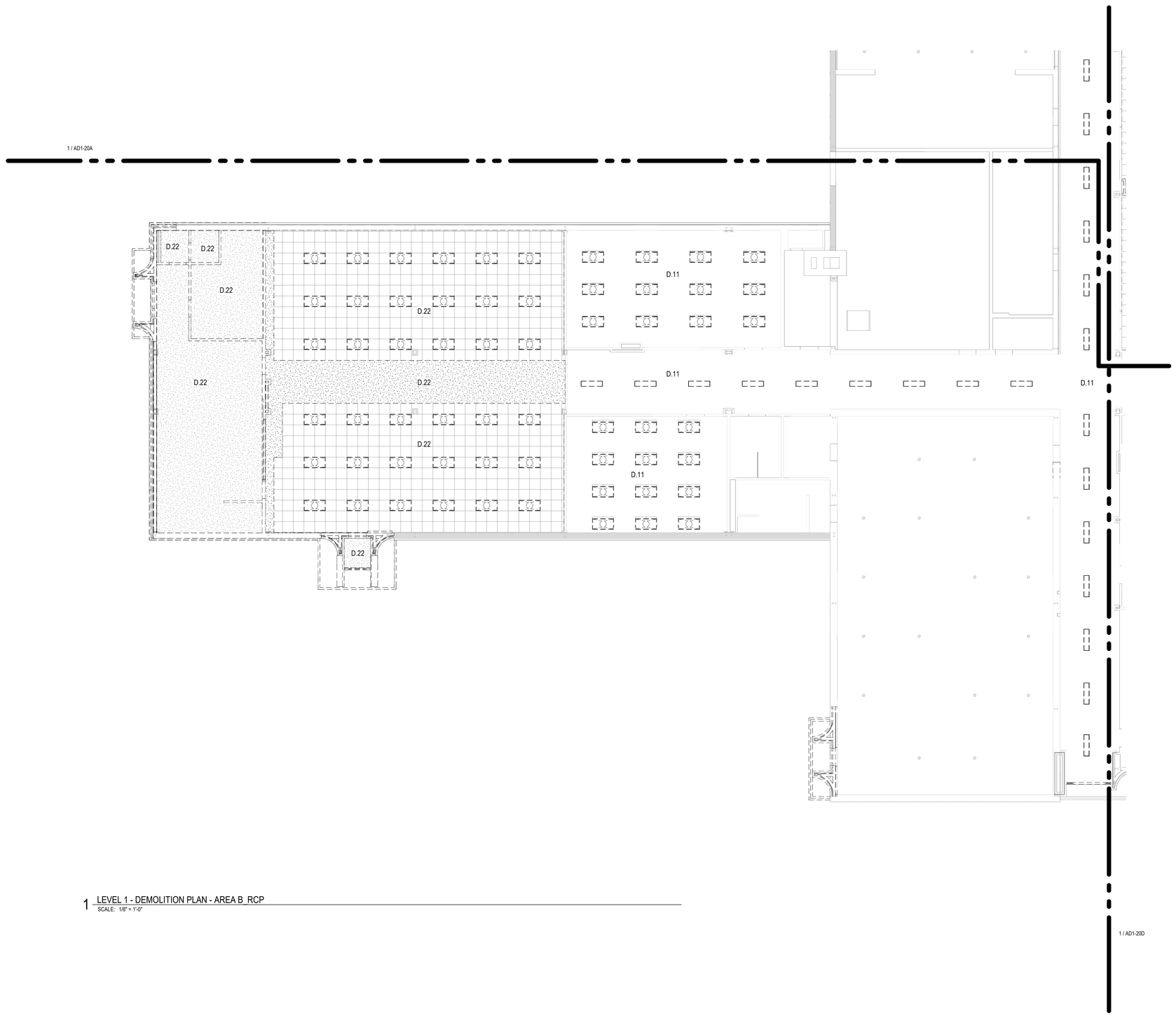
DEMOLITION RCP - AREA A

AD1-20A

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/16/2024



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

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Y. Remove all existing window coverings u.n.o.

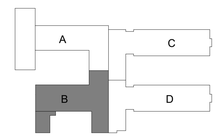
KEYNOTES

D.11	Ceiling to Remain and Light fixtures to be demolished
D.22	Demolish ceiling and light fixtures

LEGEND

- EXISTING TO REMAIN
- DEMOLISH
- LAY-IN CEILING TO BE DEMOLISHED
- GWB CEILING TO BE DEMOLISHED

KEY PLAN



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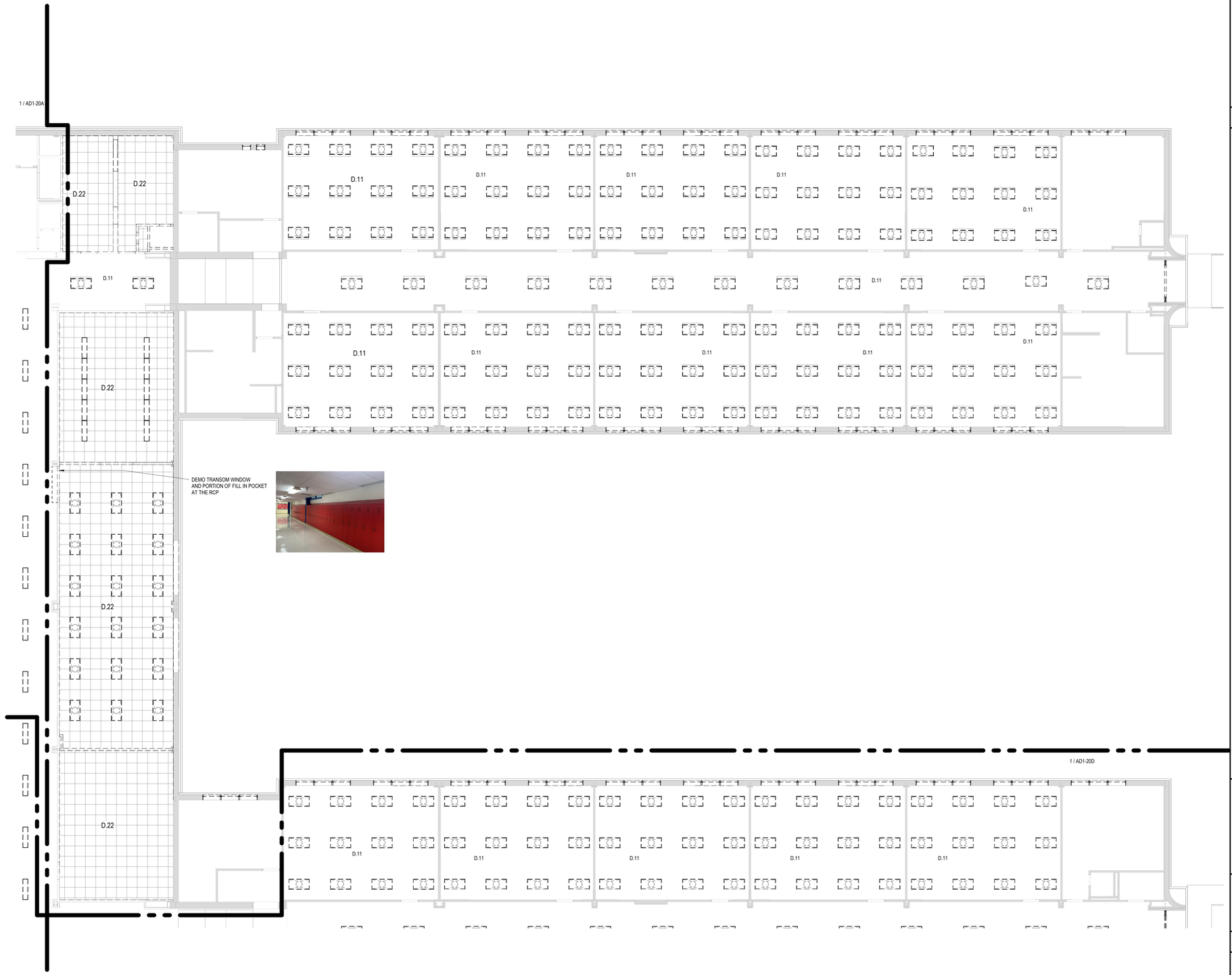
DEMOLITION RCP - AREA B

AD1-20B

SCALE: As indicated



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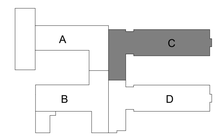

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Roofing:
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Contact: Karl Schaak, PE, RRC
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IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

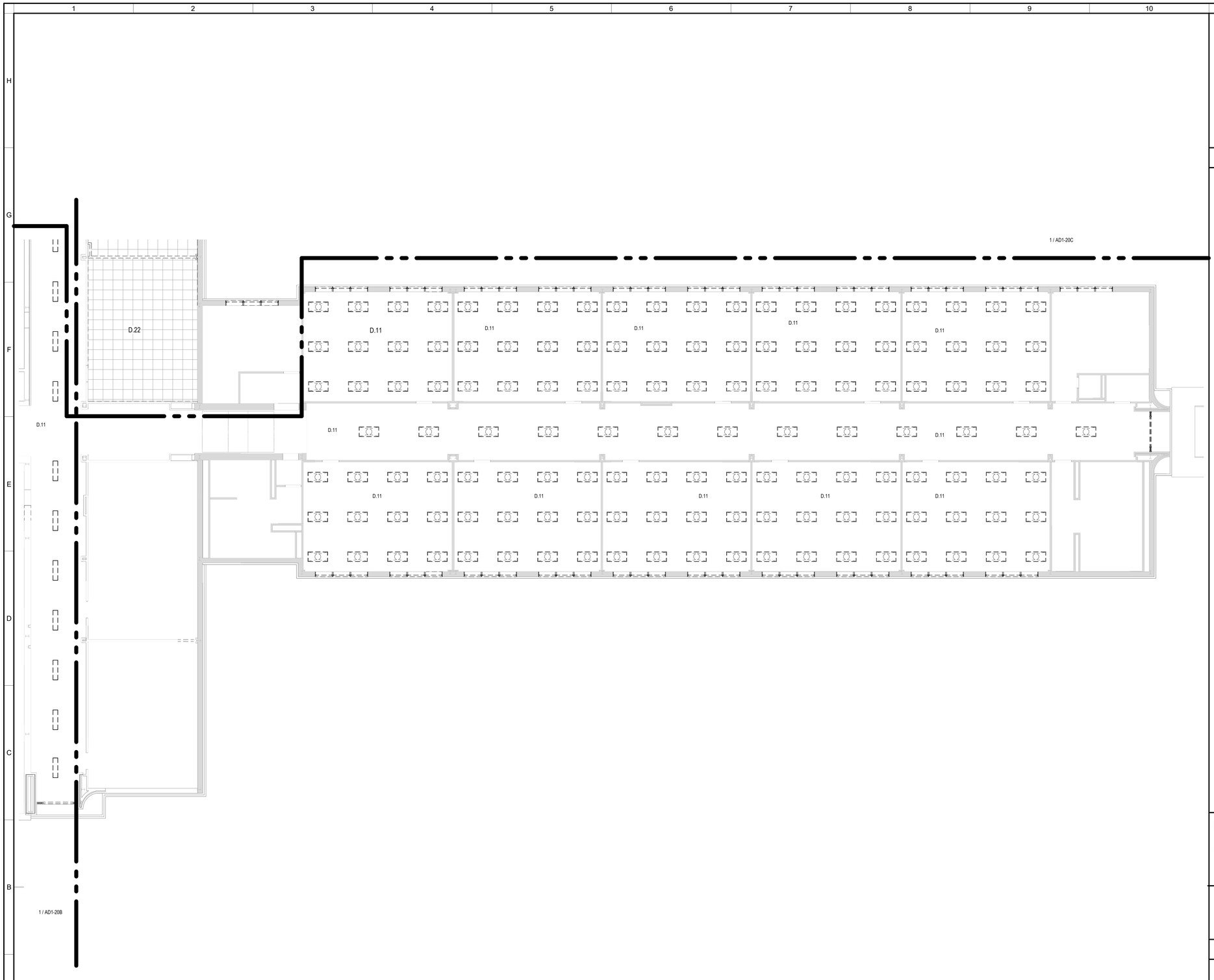
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

DEMOLITION RCP - AREA C

AD1-20C

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



1 LEVEL 1 - DEMOLITION PLAN - AREA D_RCP
SCALE: 1/8" = 1'-0"

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C. The Owner reserves the right to retain the following salvage items, if so notified (and if not specifically incorporated or reused in this project). Carefully remove, tag, transport, and store in Owner designed storage space (on campus) the following items:

1. Electrical fixtures and devices
2. Doors, door frames, and related hardware
3. Mechanical grills/diffusers
4. Plumbing fixtures and trim
5. Millwork and casework units
6. Toilet accessories
7. Fire extinguishers, fire extinguisher cabinets, and fire alarm equipment
8. Projection screens and projectors
9. Whiteboards and tack boards
10. Other attachments found on partitions, walls, and ceilings to be demolished.
11. Audio-visual equipment
12. Computer (technology) equipment
13. Lockers
14. Ceiling tile and grid
15. Raised access floor system
16. Cafeteria Stacks
17. Door Hardware
18. Camera and other security items
19. IT Items

Should the Owner decline to accept and provide storage for any of the above, they shall be come property of the Contractor, and must be promptly removed from the site.

D. Remove all attachments found on partition faces and ceilings, and turn over to Owner, i.e. surface mounted toilet accessories, (soap dispensers) cubicle curtain tracks, TV wall mounting brackets, etc.

E. Removal of any antennas or computer and telephone cable and/or system boards must be coordinated and scheduled with the Owner.

F. Protect by appropriate means all existing construction, finishes, and equipment that is to remain. All damaged items/finishes must be repaired/restored to their original (PRE-DAMAGED) condition.

G. Demolition requiring air hammers or other loud noise generating equipment must be carefully coordinated and scheduled with the Owner. Working hours for such activity will be restricted.

H. All penetrations found in existing chases and fire-rated partitions or shafts, not specifically called out, must be patched/fire-safe to meet the required fire assembly rating.

I. Where imbedded items or plumbing fixtures, etc. are removed, patch/repair the existing construction to remain to match and to maintain the structural and/or fire protection integrity of the floor or wall.

J. After removal of existing construction or finishes, patch or repair existing substrates remaining as required to receive the scheduled finish.

K. The note "No Work in This Area" is a general statement. Some MEP work and architectural work may be required in these areas to complete a system to operational status, for minor renovation, for touch up work, or for verification of existing conditions (i.e. previously inaccessible areas) pertinent to the scope of work. Verification of such a condition may or may not impact the project and will be evaluated on a case by case basis.

L. Contractor to coordinate with Owner's Rep for list of all items to be salvaged prior to demolition. Contractor to coordinate whether items to be returned to District or set aside for reuse on campus

M. Ceiling finish to remain in place unless otherwise noted

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S. Refer to the existing survey for topographic and utility information.

T. Existing floor hatches to remain

U. Debris resulting from demolition shall in occupied areas shall be removed daily. No debris shall be disposed of in Owner facilities or containers.

V. Windows to be located in existing opening. While removing windows, protect adjacent walls.

W. All lights to be removed / replaced for a light to light u.n.o.

X. Demolish Exterior Walls where indicated. Leave existing structure and roof deck in place

Y. Remove all existing window coverings u.n.o.

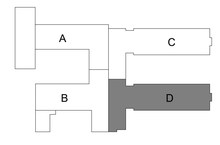
KEYNOTES

D.11	Ceiling to Remain and Light fixtures to be demolished
D.22	Demolish ceiling and light fixtures

LEGEND

- EXISTING TO REMAIN
- DEMOLISH
- LAY-IN CEILING TO BE DEMOLISHED
- GWB CEILING TO BE DEMOLISHED

KEY PLAN



Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

REGISTERED ARCHITECT JAMES B. HARRISON III 1938 STATE OF TEXAS
02.22.2026

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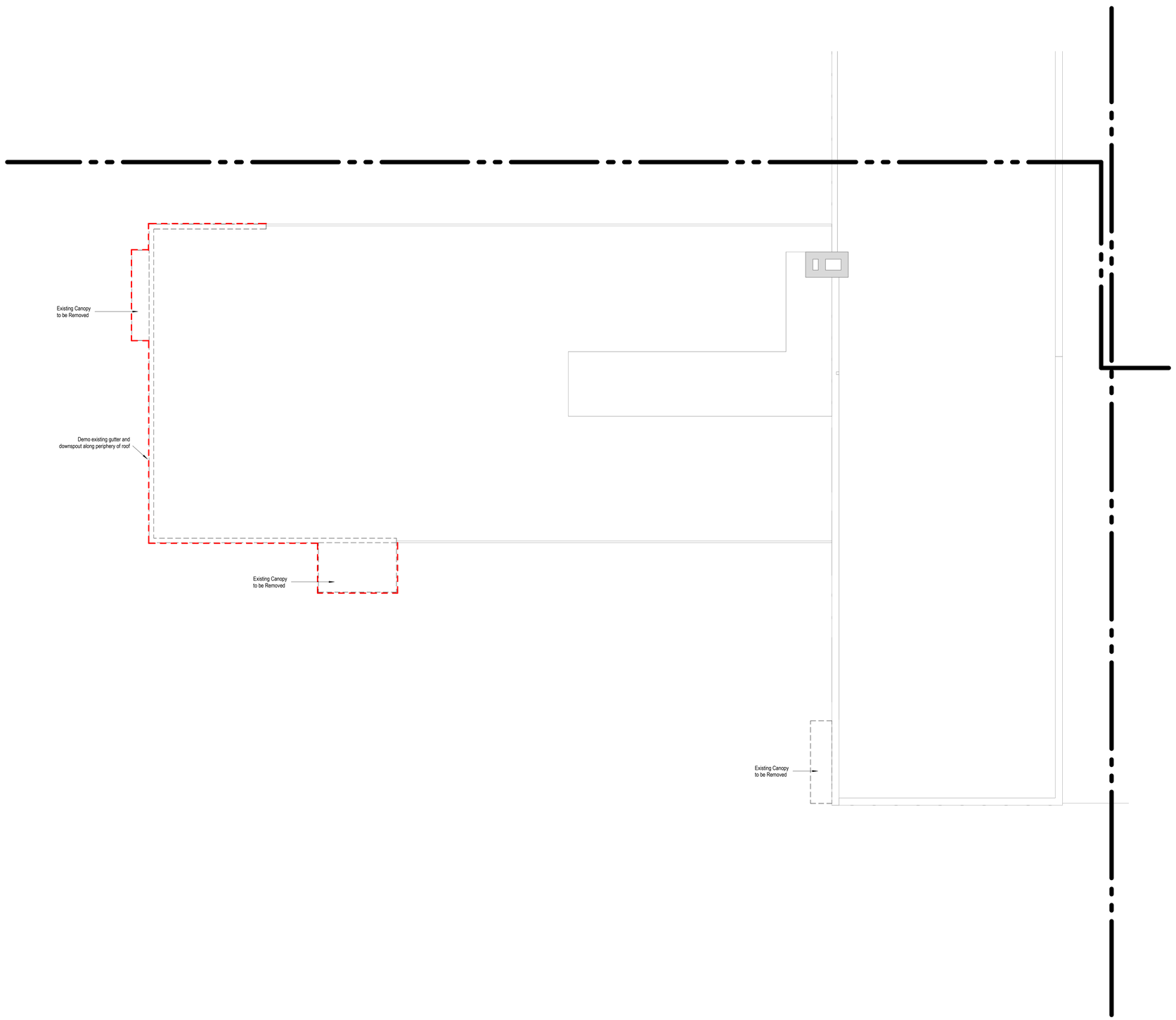
DEMOLITION RCP - AREA D

AD1-20D

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



1 ROOF DEMOLITION PLAN AREA B
SCALE: 1/8" = 1'-0"

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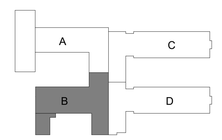
Y. Remove all existing window coverings u.n.o.

EXISTING TO REMAIN
DEMOLISH
DEMOLISH EXSITING GUTTER AND DOWNSPOUT ALONG ROOF PERIPHERY

KEY PLAN



Bid and Permit

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HarrisonKornberg ARCHITECTS
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REGISTERED ARCHITECT JAMES D. HARRISON II 19386 STATE OF TEXAS
02.22.2026

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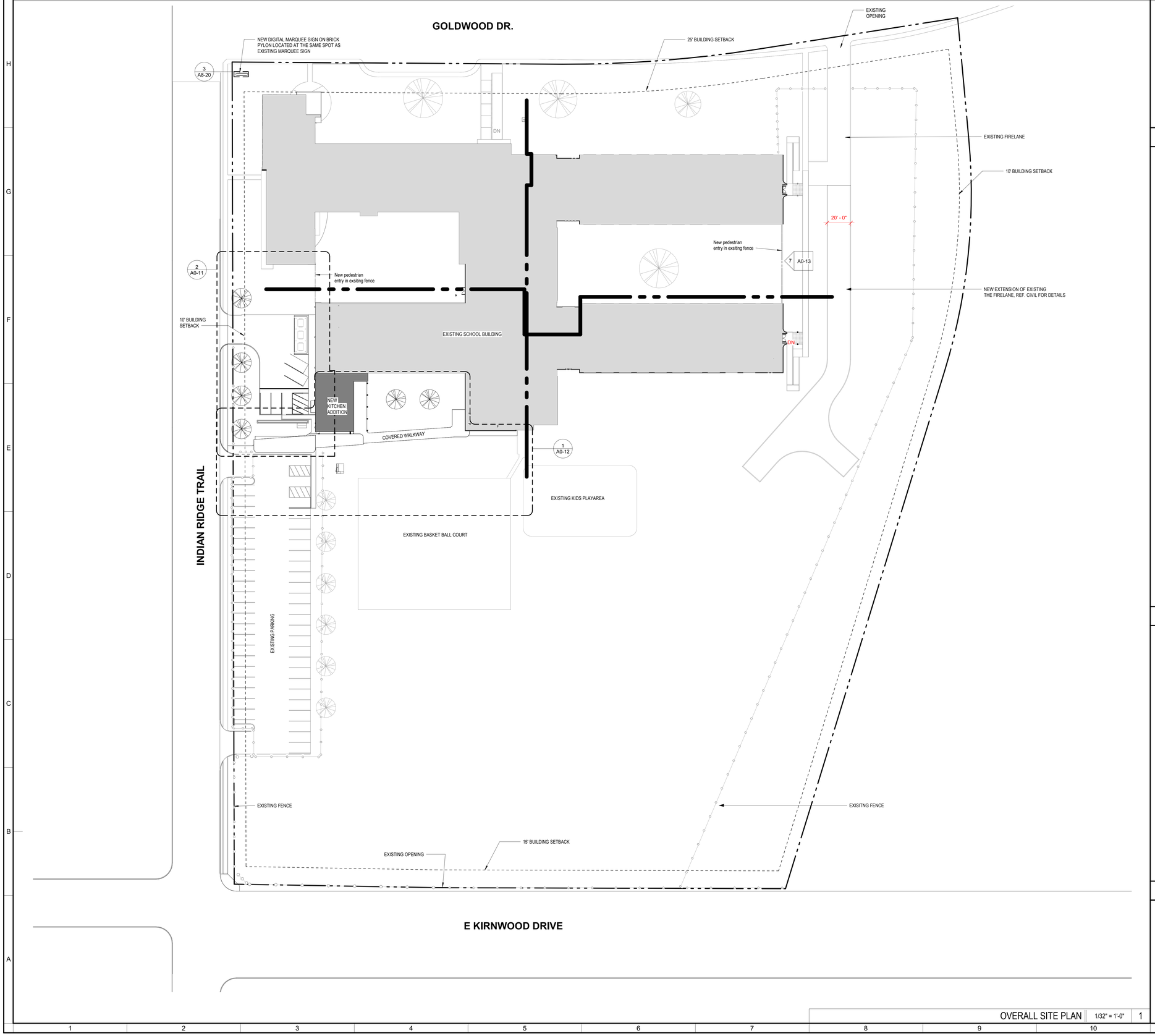
DEMOLITION ROOF PLAN

AD1-30

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



OVERALL SITE PLAN | 1/32" = 1'-0" | 1

GENERAL SHEET NOTES

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K. All new concrete immediately outside of all exterior doors and for a distance of 5'-0" min. shall not exceed a slope of 2% (1/4"/ft).

L. All concrete walks or parking areas on designated accessible routes shall not exceed a slope of 5% (5/8"/ft) with a cross-slope of 2% (1/4"/ft) max.

M. Grade all landscape islands to avoid water ponding inside curbs – typical.

N. Contractor is responsible for verifying exact locations of all new area drains to existing lines.

O. Provide expansion joints at the property line at all new drives.\

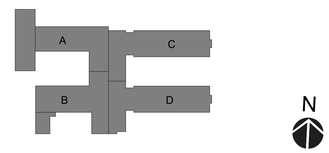
P. Adjust existing manholes, hydrants, valve and meter boxes, etc. to new finished grades and paving as necessary. Construction to be per requirements of Authorities Having Jurisdiction (AHJ).

Q. Maintain the integrity of construction fencing enclosures around the Construction site.

R. Refer to the existing survey for topographic and utility information.

SHEET NOTES

KEY PLAN



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Interim Review
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02.22.2026

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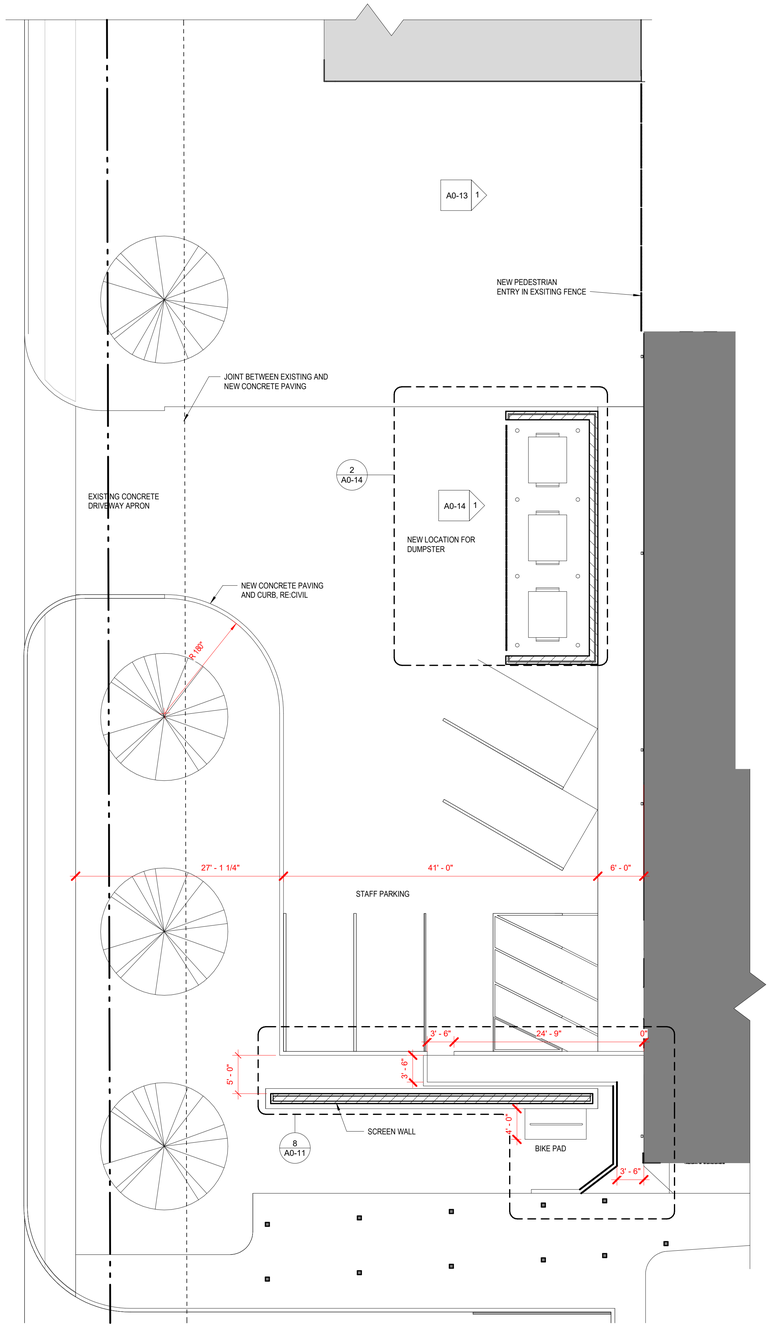
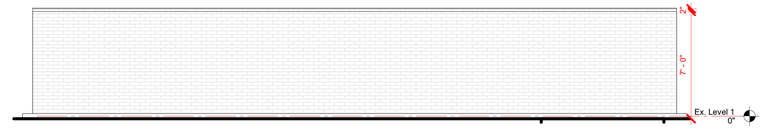
SITE PLAN

A0-10

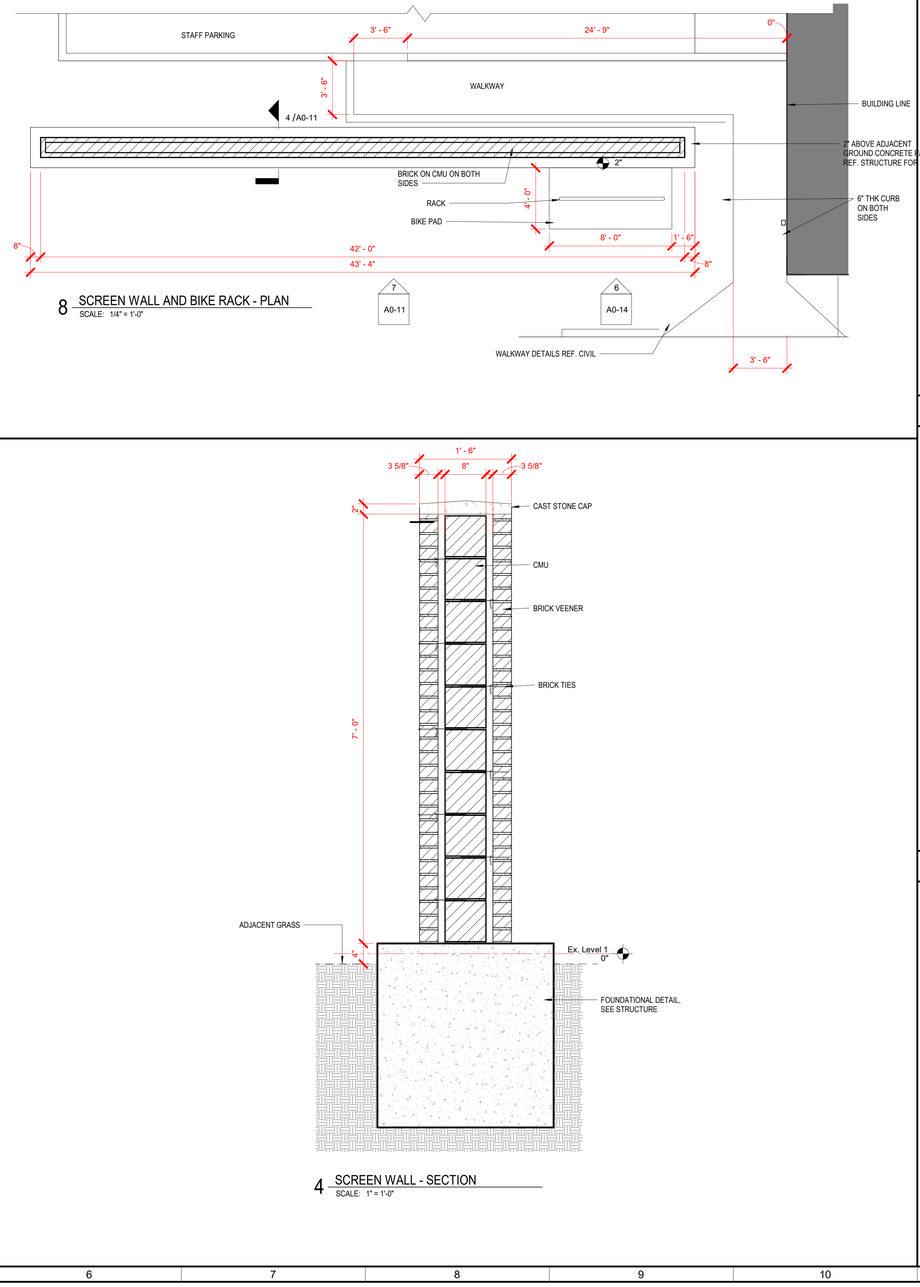
SCALE: As indicated



2 ENLARGED SITE PLAN - STAFF PARKING, DUMPSTER AND BIKE PAD
SCALE: 1/8" = 1'-0"



7 SCREEN WALL ELEVATION
SCALE: 1/4" = 1'-0"



8 SCREEN WALL AND BIKE RACK - PLAN
SCALE: 1/4" = 1'-0"

4 SCREEN WALL - SECTION
SCALE: 1" = 1'-0"

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T: 214-625-5803

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
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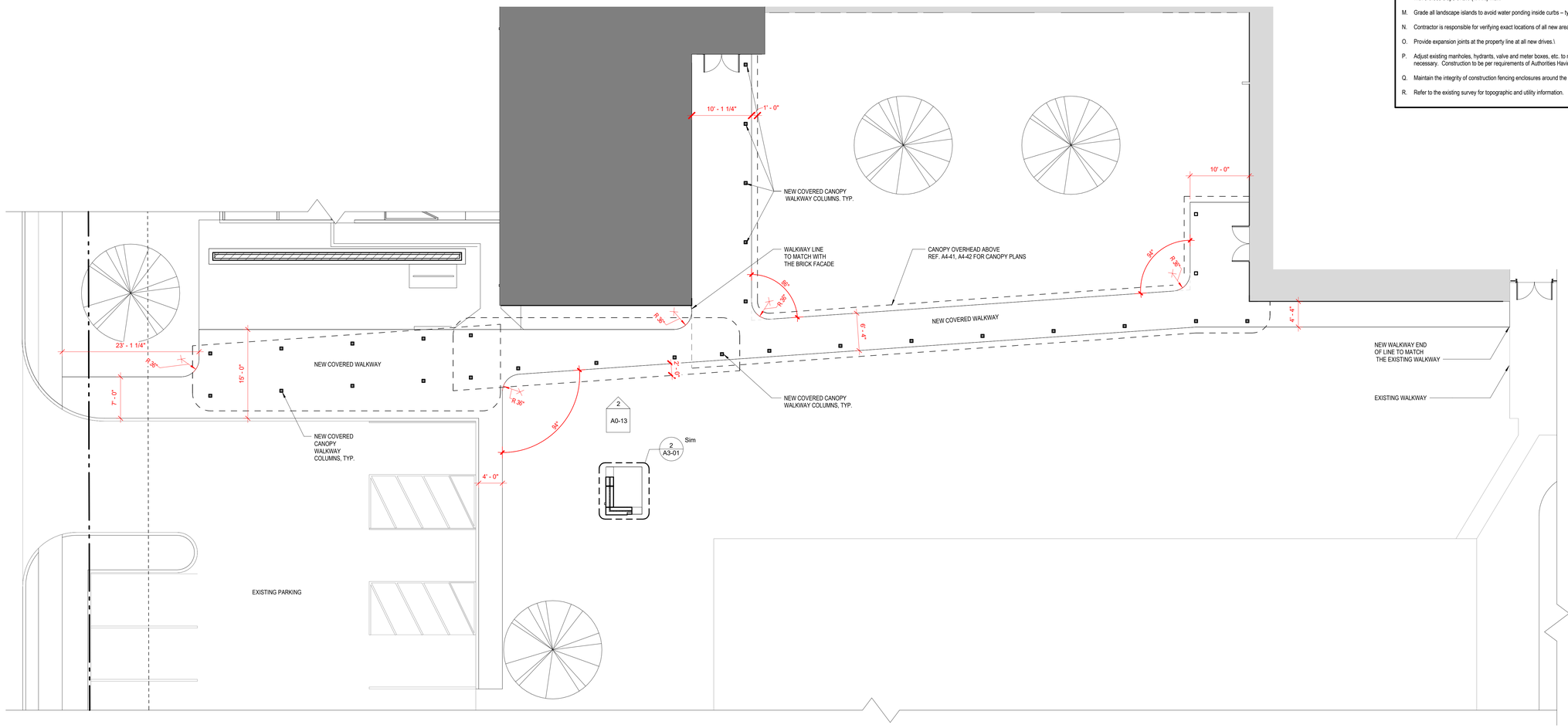
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

ENLARGED SITE PLANS AND DETAILS

A0-11

SCALE: As indicated



1 ENLARGED SITE PLAN - COVERED WALKWAY
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

A. Provide any temporary roads or crossing as required for execution of the Work. All temporary construction shall be removed at the completion of the Work.

B. Provide concrete walks with control and expansion joints as shown. Verify joint layout with Architect in field prior to forming. Joints are to be caulked, no wood strips allowed.

C. Where new site work joins existing conditions, existing conditions shall control. If major discrepancies are apparent, notify Architect before proceeding with the Work.

D. Saw cut paving as required to provide a clean break from paving/walk to remain from paving/walk to be removed.

E. All existing structures, auxiliary construction, and site improvements that are to remain including but not limited to utilities infrastructure, vehicular paving, pedestrian paving, site amenities, vegetation, shrubs, and trees shall be protected from construction activities. Any and all damaged items must be repaired/restored to their original (pre-damaged) condition at the direction of the Owner and Architect. Repairs/restoration shall be provided at no cost to the Owner.

F. All paving dimensions are to edge of walk, paving, front of curb, face of building, or property lines, unless noted otherwise on plans.

G. Relocation of all utility poles, lines and other existing services (if required) shall be the responsibility of the Contractor and shall be verified and coordinated with appropriate agencies.

H. Existing utility lines shall remain in service during the construction period until new tie-ins (if required) can be made operational. Repair any damage caused by construction activities to existing utilities immediately to ensure no interruption in utility service.

I. Verify pier layout with existing utilities on site and notify Architect prior to drilling if any conflicts occur.

J. Modify existing swales and/or create new swales from trench drains as required to provide positive drainage away from the building(s).

K. All new concrete immediately outside of all exterior doors and for a distance of 5'-0" min. shall not exceed a slope of 2% (1/4"/ft).

L. All concrete walks or parking areas on designated accessible routes shall not exceed a slope of 5% (5/8"/ft) with a cross-slope of 2% (1/4"/ft) max.

M. Grade all landscape islands to avoid water ponding inside curbs – typical.

N. Contractor is responsible for verifying exact locations of all new area drains to existing lines.

O. Provide expansion joints at the property line at all new drives.\

P. Adjust existing manholes, hydrants, valve and meter boxes, etc. to new finished grades and paving as necessary. Construction to be per requirements of Authorities Having Jurisdiction (AHJ).

Q. Maintain the integrity of construction fencing enclosures around the Construction site.

R. Refer to the existing survey for topographic and utility information.

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

Interim Review
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02.22.2026

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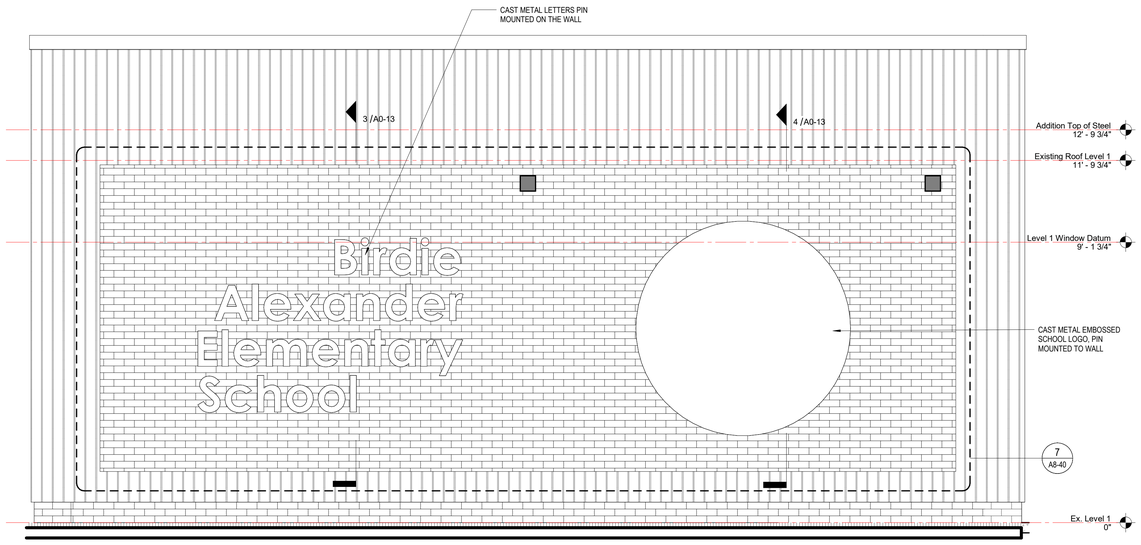
ENLARGED SITE PLANS AND DETAILS

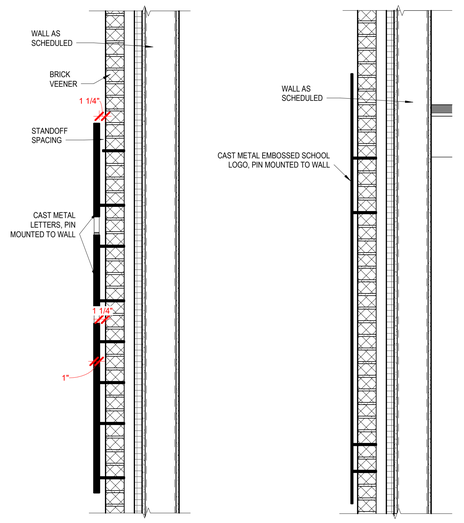
A0-12

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024

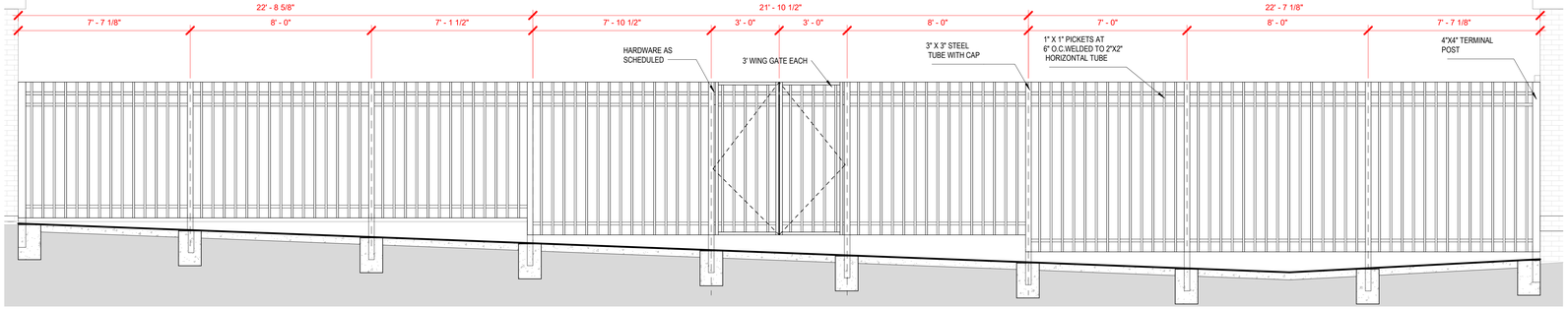


2 SOUTH WALL KITCHEN ELEVATION MONUMENTAL SIGN AND METAL LOGO - FRONT ELEVATION
SCALE: 1/2" = 1'-0"

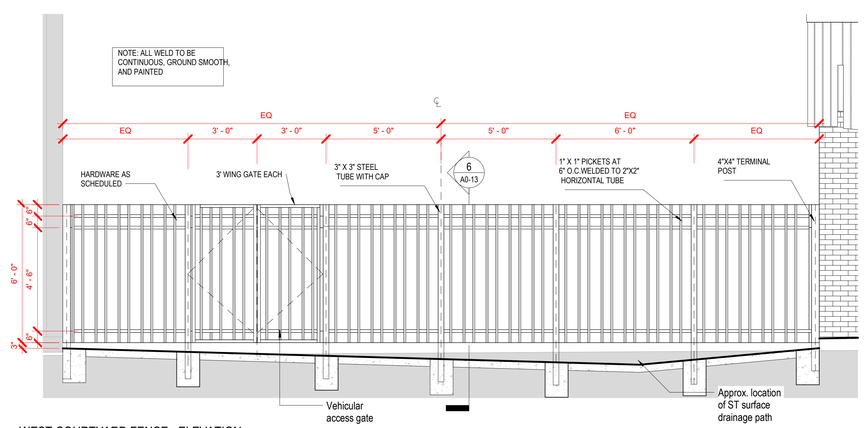


3 MONUMENTAL METAL SIGN - DETAIL SECTION
SCALE: 1" = 1'-0"

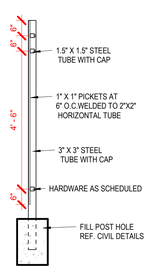
4 SECTION THROUGH WALL
SCALE: 1" = 1'-0"



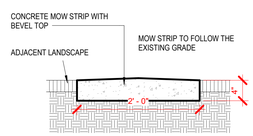
7 EAST COURTYARD SECURITY FENCE ELEVATION
SCALE: 3/8" = 1'-0"



1 WEST COURTYARD FENCE - ELEVATION
SCALE: 3/8" = 1'-0"



6 SECTION THROUGH FENCE
SCALE: 1/2" = 1'-0"



9 CONCRETE MOW STRIP DETAIL
SCALE: 1" = 1'-0"

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R. Refer to the existing survey for topographic and utility information.

SHEET NOTES

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DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
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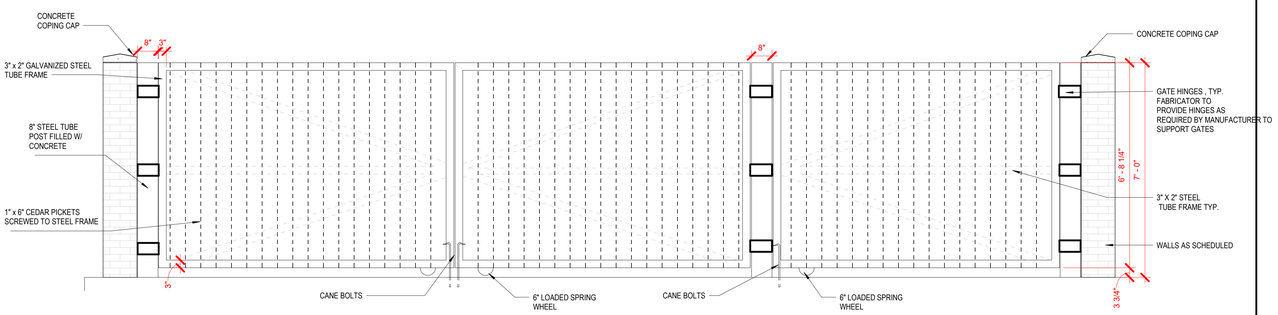
ENLARGED SITE PLANS AND DETAILS

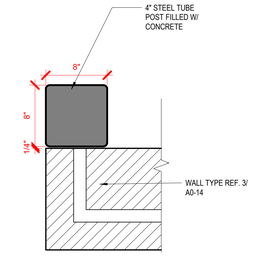
A0-13

SCALE: As indicated

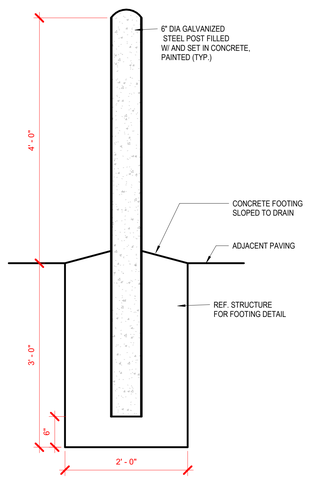
Project Name: ORG. #235 BAES Date:10/18/2024



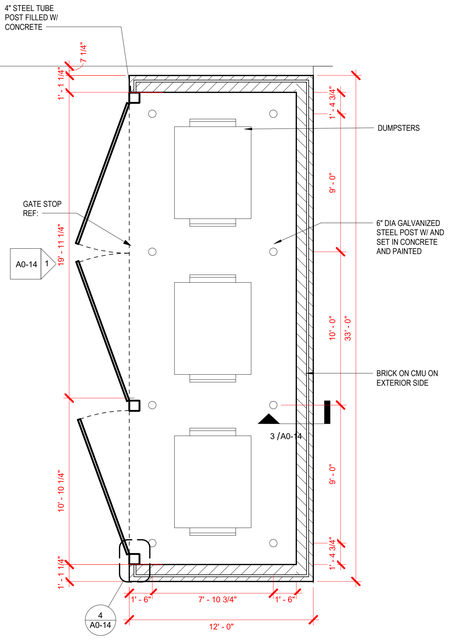
1 DUMPSTER ENCLOSURE GATE ELEVATION
SCALE: 1/2" = 1'-0"



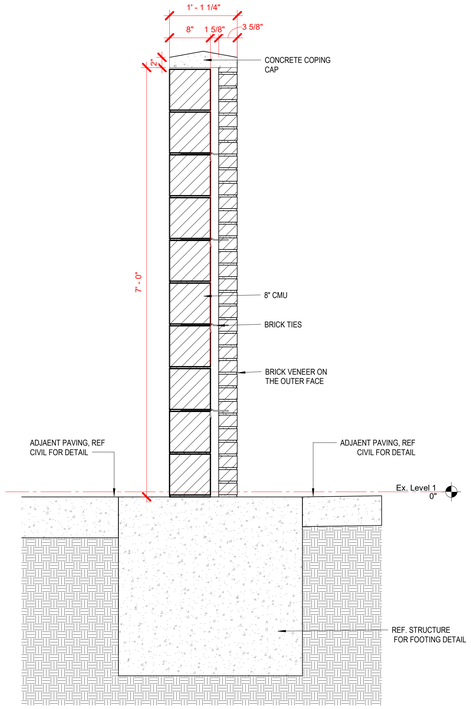
4 DUMPSTER GATE CORNER POST DETAIL
SCALE: 1 1/2" = 1'-0"



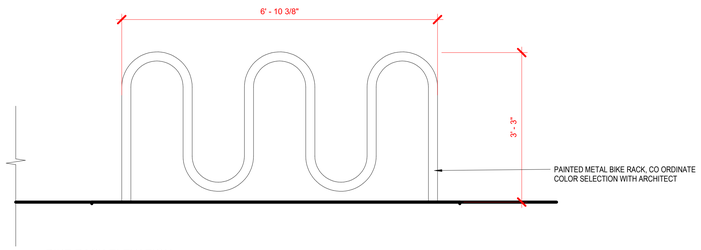
5 DUMSTER AREA- PIPE BOLLARD DETAIL
SCALE: 1" = 1'-0"



2 DUMPSTER ENCLOSURE - PLAN
SCALE: 1/4" = 1'-0"



3 DUMPSTER ENCLOSURE WALL SECTION
SCALE: 1" = 1'-0"



6 BIKE RACK ELEVATION
SCALE: 3/4" = 1'-0"

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L. All concrete walks or parking areas on designated accessible routes shall not exceed a slope of 5% (5/8"/ft) with a cross-slope of 2% (1/4"/ft) max.

M. Grade all landscape islands to avoid water ponding inside curbs – typical.

N. Contractor is responsible for verifying exact locations of all new area drains to existing lines.

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Q. Maintain the integrity of construction fencing enclosures around the Construction site.

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SHEET NOTES

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DALLAS ISD
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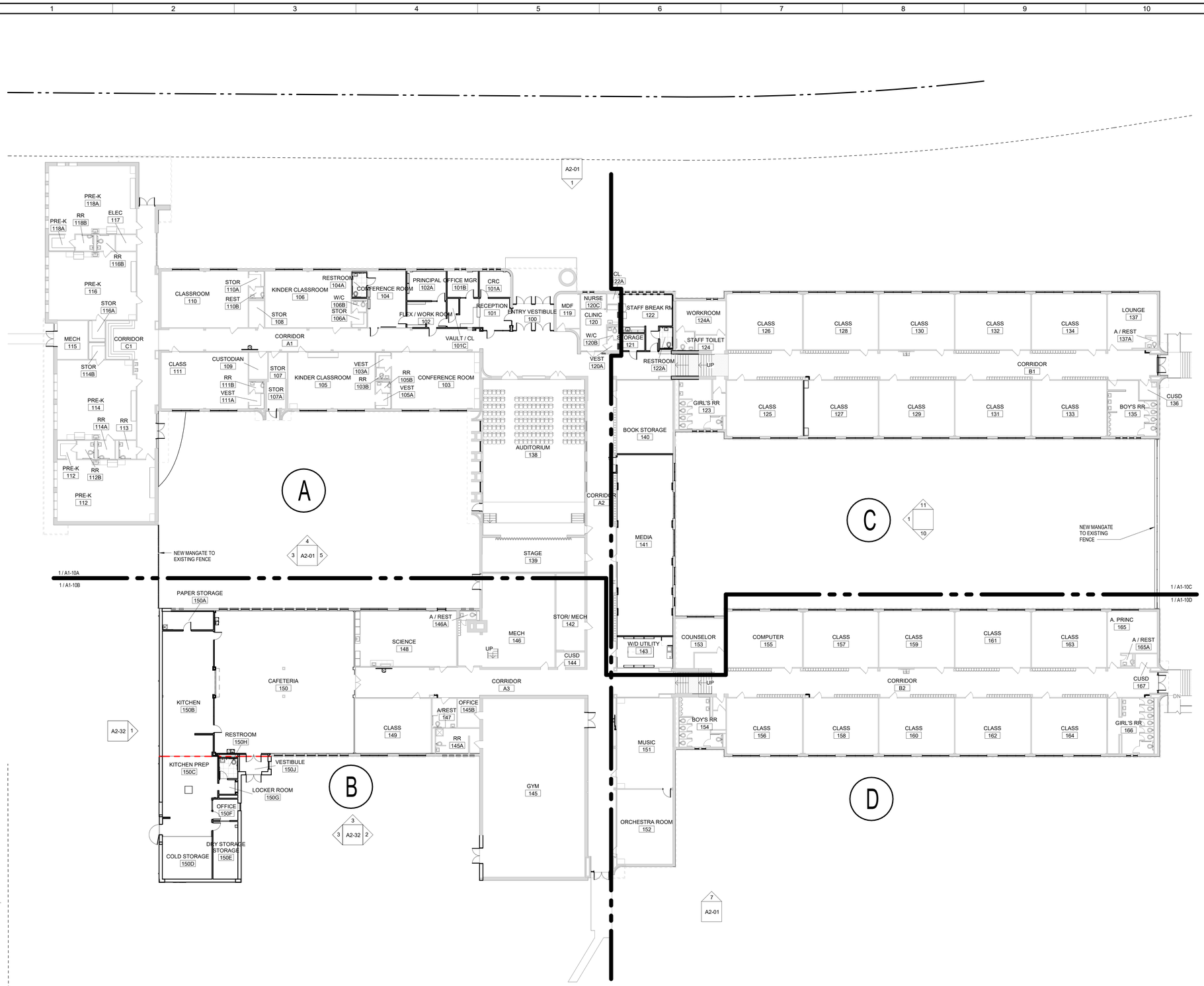
ENLARGED SITE PLANS AND DETAILS

A0-14

SCALE: As indicated



Level 1 Overall Plan | 1/16" = 1'-0" | 1

GENERAL SHEET NOTES

General Plan Notes

A. Refer to sheet G0-06 for partition types.

B. Refer to sheet A5-91, A5-95, A5-97 for cabinet/millwork legends.

C. Refer to sheet G0-04, G0-05 for standard mounting heights and clearances.

D. Where enlarged plans and partial plans are referenced, dimensions, notes, special detailing, and finish requirements are noted on the reference sheets and are omitted on the smaller scale plans.

E. Where openings are located immediately adjacent to a perpendicular wall, location 5" from the adjoining wall to allow for double studs, gypsum board, shims & frame.

F. All interior dimensions are from face of masonry, finished face, or centerline of column.

G. Protect by appropriate means all existing construction, finishes, utilities, and equipment that are to remain. All damaged items/finishes must repaired / restored to their original (pre-damaged) condition and/or adequately repaired to receive new finishes.

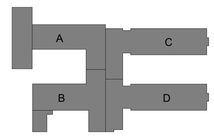
H. Construction and/or extension of all fire-resistance rated construction (including walls, shaft enclosures, partitions, and smoke barriers) shall have signs or stenciling permanently installed above any decorative ceiling and/or concealed spaces. The lettering shall be 2 inches in height and spaced every 12 feet. The following wording is recommended, "___ hour fire and smoke wall/partition—protect all penetrations."

I. New window coverings to be provided for all (new and existing) windows, uno. Ref: specification Sec 122113 in Spec.

KEYNOTES

SHEET NOTES

KEY PLAN



N

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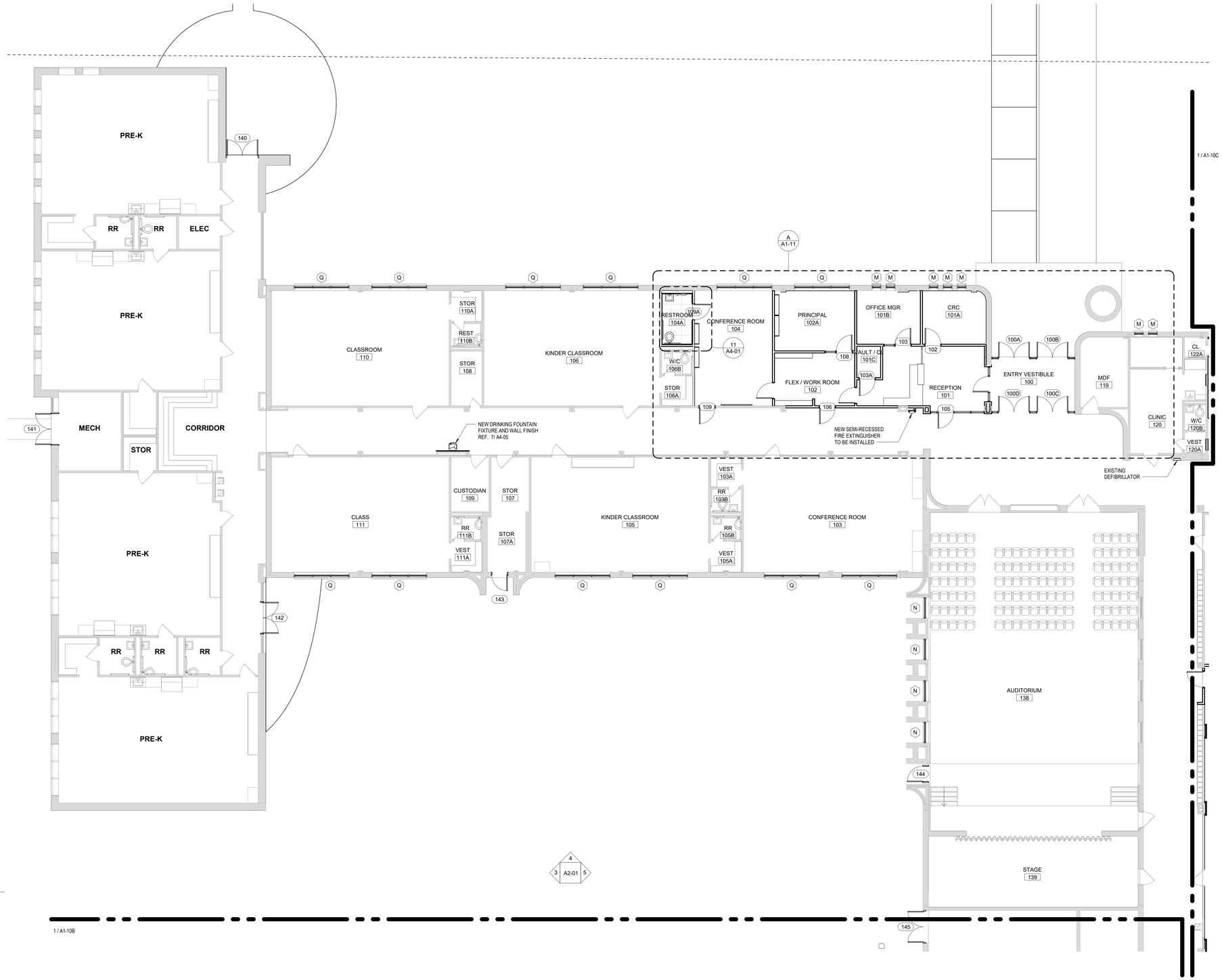
OVERALL FLOOR PLAN

A1-10

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



LEVEL 1 - AREA A - FLOOR PLAN | 1/8" = 1'-0" | 1

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C. Refer to sheet G0-04, G0-05 for standard mounting heights and clearances.

D. Where enlarged plans and partial plans are referenced, dimensions, notes, special detailing, and finish requirements are noted on the reference sheets and are omitted on the smaller scale plans.

E. Where openings are located immediately adjacent to a perpendicular wall, location 5" from the adjoining wall to allow for double studs, gypsum board, shims & frame.

F. All interior dimensions are from face of masonry, finished face, or centerline of column.

G. Protect by appropriate means all existing construction, finishes, utilities, and equipment that are to remain. All damaged items/finishes must repaired / restored to their original (pre-damaged) condition and/or adequately repaired to receive new finishes.

H. Construction and/or extension of all fire-resistance rated construction (including walls, shaft enclosures, partitions, and smoke barriers) shall have signs or stenciling permanently installed above any decorative ceiling and/or concealed spaces. The lettering shall be 2 inches in height and spaced every 12 feet. The following wording is recommended, "___ hour fire and smoke wall/partition—protect all penetrations."

I. New window coverings to be provided for all (new and existing) windows, uno. Ref: specification Sec 122113 in specs.

GRAPHIC LEGEND

EXISTING TO REMAIN

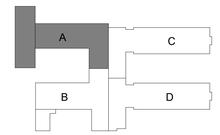
EXISTING DOOR, PARTITION AND/OR ELEMENT

NEW DOOR, PARTITION AND/OR ELEMENT
DOOR NUMBER

ENLARGED PLAN / DETAIL

NEW WINDOW BLINDS

KEY PLAN



Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

Interim Review
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02.22.2026

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T: 972-887-5566

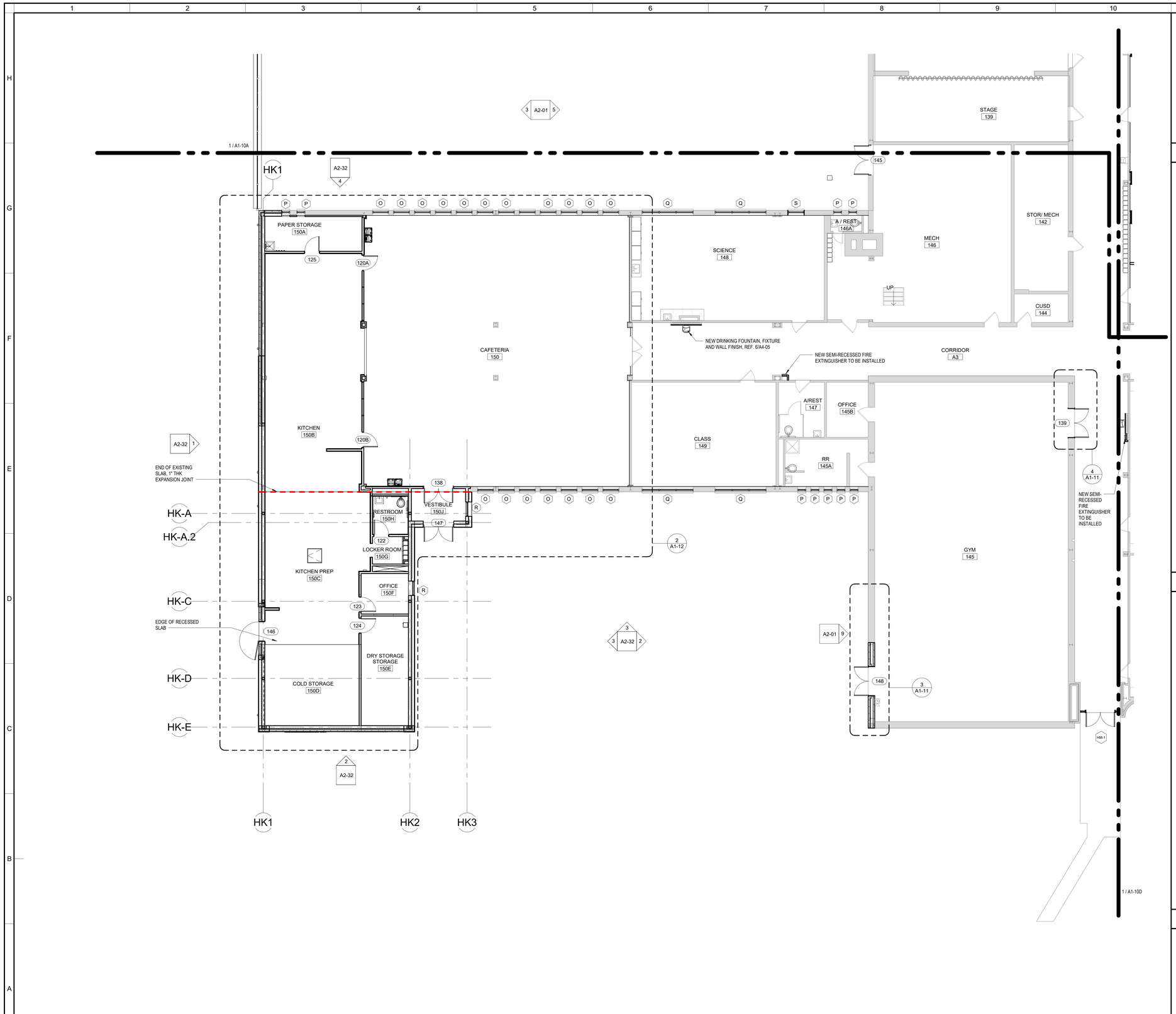
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

FLOOR PLAN - AREA A

A1-10A

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



LEVEL 1 - AREA B - FLOOR PLAN | 1/8" = 1'-0" | 1

GENERAL SHEET NOTES

General Plan Notes

A. Refer to sheet G0-06 for partition types.

B. Refer to sheet A5-91, A5-95, A5-97 for cabinet/millwork legends.

C. Refer to sheet G0-04, G0-05 for standard mounting heights and clearances.

D. Where enlarged plans and partial plans are referenced, dimensions, notes, special detailing, and finish requirements are noted on the reference sheets and are omitted on the smaller scale plans.

E. Where openings are located immediately adjacent to a perpendicular wall, location 5" from the adjoining wall to allow for double studs, gypsum board, shims & frame.

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I. New window coverings to be provided for all (new and existing) windows, uno. Ref: specification Sec 122113 in specs.

GRAPHIC LEGEND

EXISTING TO REMAIN

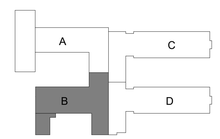
EXISTING DOOR, PARTITION AND/OR ELEMENT

NEW DOOR, PARTITION AND/OR ELEMENT
DOOR NUMBER

ENLARGED PLAN / DETAIL

NEW WINDOW BLINDS

KEY PLAN



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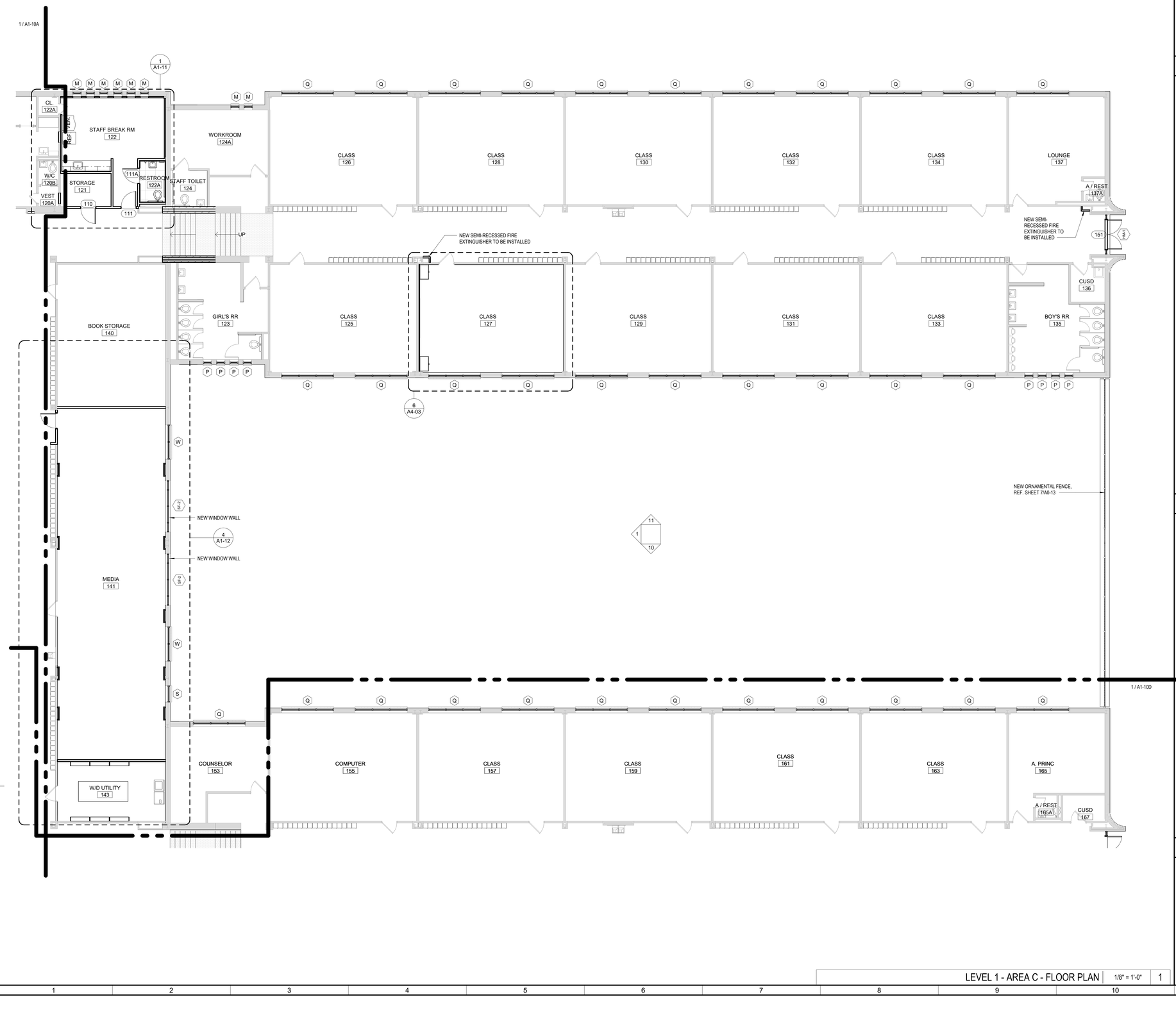
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

FLOOR PLAN - AREA B

A1-10B

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



LEVEL 1 - AREA C - FLOOR PLAN | 1/8" = 1'-0" | 1

GENERAL SHEET NOTES

General Plan Notes

A. Refer to sheet G0-06 for partition types.

B. Refer to sheet A5-91, A5-95, A5-97 for cabinet/millwork legends.

C. Refer to sheet G0-04, G0-05 for standard mounting heights and clearances.

D. Where enlarged plans and partial plans are referenced, dimensions, notes, special detailing, and finish requirements are noted on the reference sheets and are omitted on the smaller scale plans.

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GRAPHIC LEGEND

EXISTING TO REMAIN

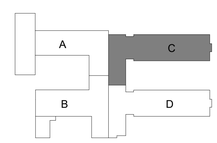
EXISTING DOOR, PARTITION AND/OR ELEMENT

NEW DOOR, PARTITION AND/OR ELEMENT
DOOR NUMBER

ENLARGED PLAN / DETAIL

NEW WINDOW BLINDS

KEY PLAN



N

Bid and Permit

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1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
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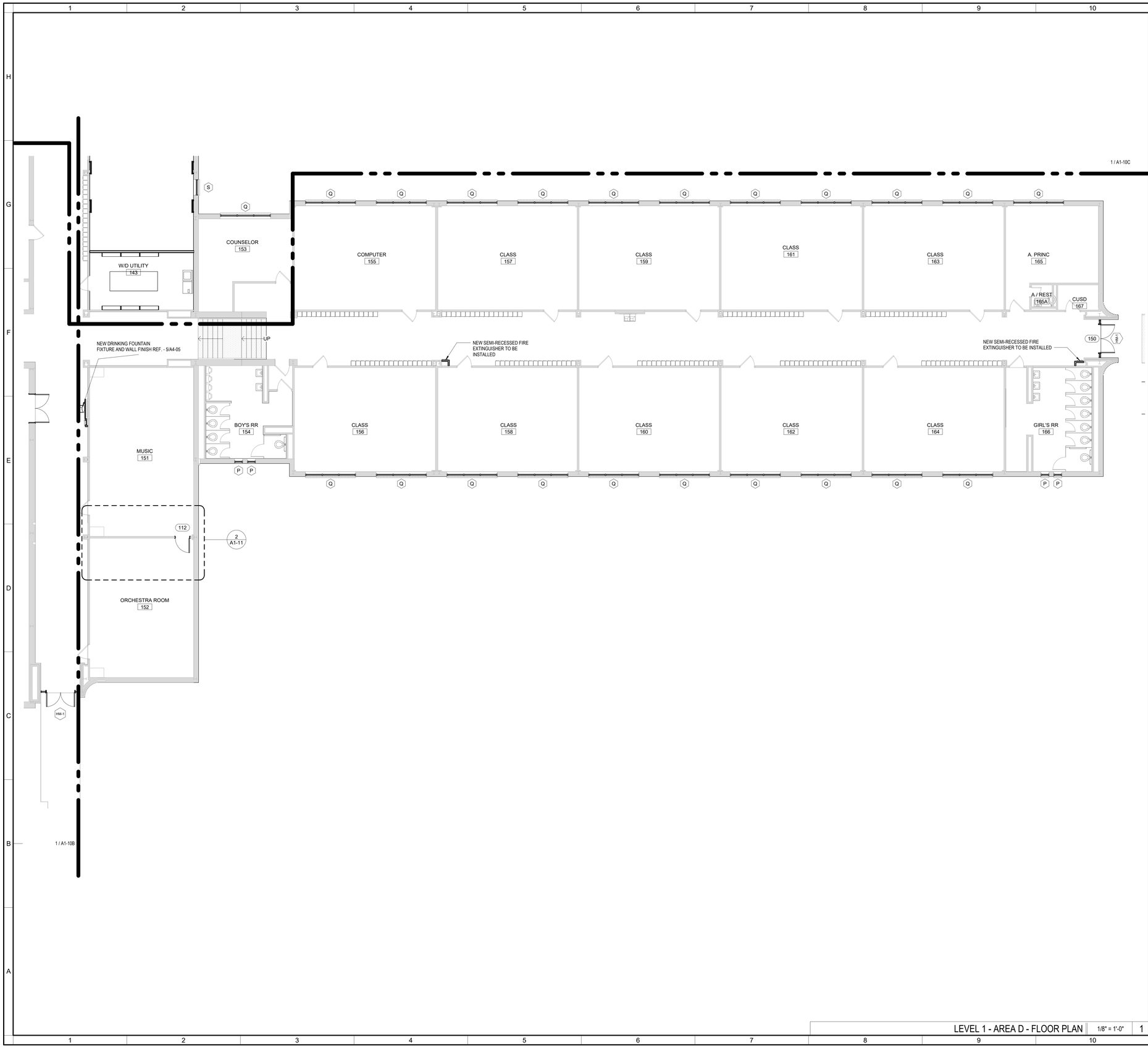
Contact: Sherri Myers
T: 972-245-5300

FLOOR PLAN - AREA C

A1-10C

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



LEVEL 1 - AREA D - FLOOR PLAN | 1/8" = 1'-0" | 1

GENERAL SHEET NOTES

General Plan Notes

A. Refer to sheet G0-06 for partition types.

B. Refer to sheet A5-91, A5-95, A5-97 for cabinet/millwork legends.

C. Refer to sheet G0-04, G0-05 for standard mounting heights and clearances.

D. Where enlarged plans and partial plans are referenced, dimensions, notes, special detailing, and finish requirements are noted on the reference sheets and are omitted on the smaller scale plans.

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I. New window coverings to be provided for all (new and existing) windows, uno. Ref: specification Sec 122113 in specs.

GRAPHIC LEGEND

EXISTING TO REMAIN

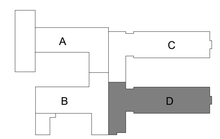
EXISTING DOOR, PARTITION AND/OR ELEMENT

NEW DOOR, PARTITION AND/OR ELEMENT
DOOR NUMBER

ENLARGED PLAN / DETAIL

NEW WINDOW BLINDS

KEY PLAN



Bid and Permit

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DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
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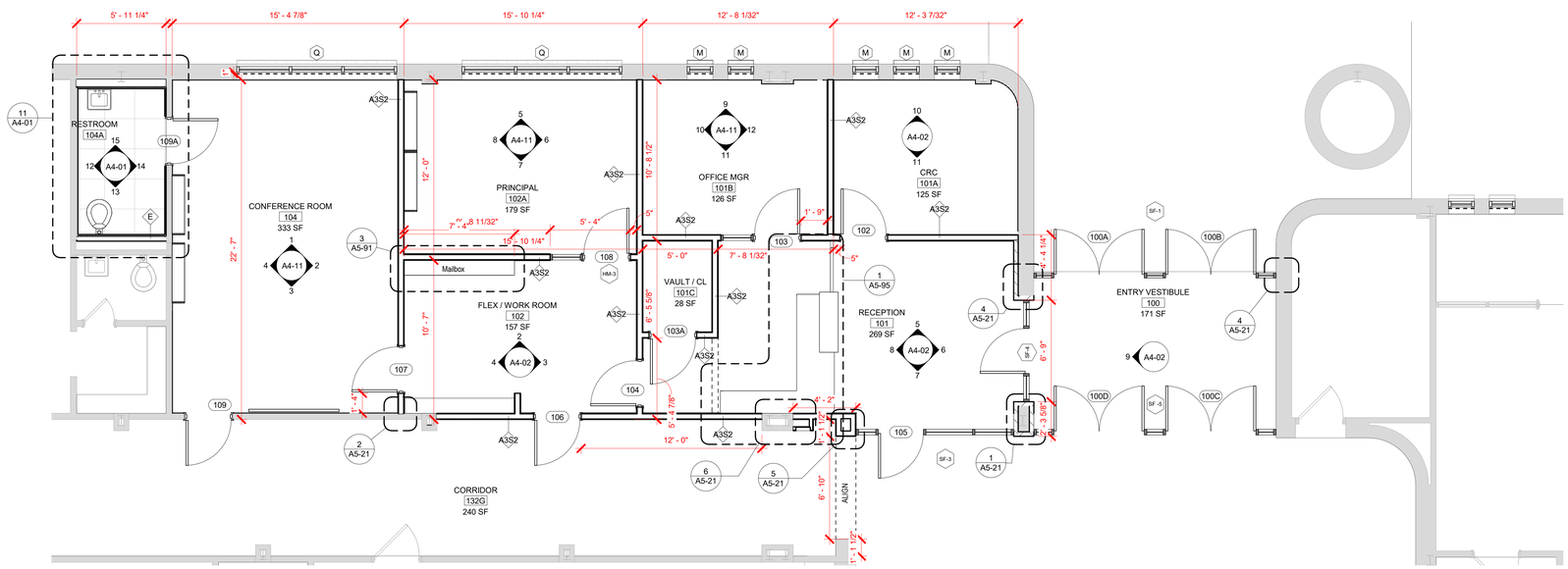
FLOOR PLAN - AREA D

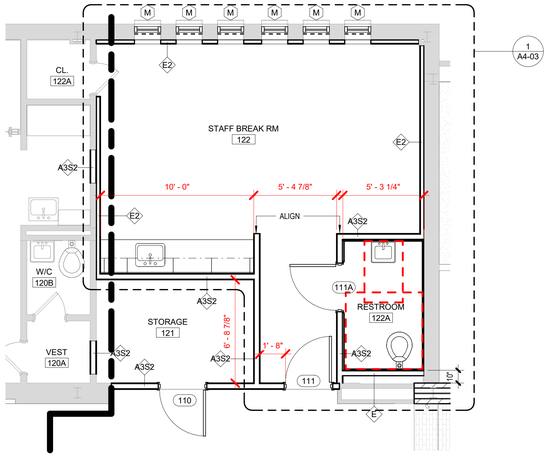
A1-10D

SCALE: As indicated

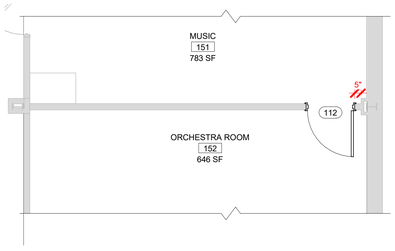
Project Name: ORG. #235 BAES Date:10/18/2024



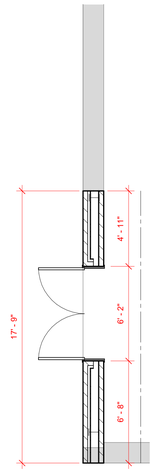
A LEVEL 1 - DIMENSIONAL PLAN - ADMIN SUITE PLAN
SCALE: 1/4" = 1'-0"



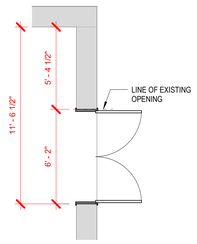
1 LEVEL 1 - DIMENSIONAL PLAN - STAFF BREAK ROOM
SCALE: 1/4" = 1'-0"



2 LEVEL 1 - AREA D -MUSIC AND ORCHESTRA ROOM
SCALE: 1/4" = 1'-0"



3 LEVEL 1 - AREA B - PLAN AT GYMNASIUM
SCALE: 1/4" = 1'-0"



4 LEVEL 1 - AREA B - EAST WALL PLAN AT GYMNASIUM
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

A. Do not scale drawings. Use figure dimensions only.

B. Verify all dimensions and existing conditions before proceeding with work.

C. The note "No Work in This Area" is a general statement. Some MEP work and architectural work may be required in these areas to complete a system to operational status, for minor renovation, for touch up work, or for verification of existing conditions (i.e. previously inaccessible areas) pertinent to the scope of work. Verification of such a condition may or may not impact the project and will be evaluated on a case by case basis.

D. Refer to sheet **G0-04** for partition types.

E. All partition types as noted.

F. Where enlarged plans or partial plans are referenced, dimensions, notes, special detailing, and finish requirements are noted on the reference sheets and are omitted on the smaller scale plans.

G. Where openings are located immediately adjacent to a perpendicular wall, locate 5" from the adjoining wall to allow for double studs, gypsum board, shims & frame.

H. Provide 1'-6" clearance between latch side of in-swing doors and adjacent perpendicular walls.

I. Refer to sheet A5-91, A5-95, A5-97 for cabinet types.

J. Refer to sheet G0-04, G0-05_ for standard mounting heights.

K. Where any equipment is wall mounted, provide blocking in wall.

L. GC to coordinate installations of vendor installed equipment.

M. Provide access panels in toilet rooms as required by code & authorities having jurisdiction over the project. Coordinate panel location with design team prior to installation.

N. Where specific dimensions are not included at column furring:
-Align face of furring w/ adjacent partition or construction, or
-Minimize protrusion of furring into the space.
***if in doubt, request written clarification from architect prior to proceeding.**

O. All interior dimensions are from finished face or centerline of column.

P. Only the areas described in the Project Scope have been field verified. "Field Verify" means that existing partitions have been partially located. Most of the architectural elements and MEP items have been located. Areas that are concealed or otherwise not accessible have not been verified. Other areas in the building not in the Project Scope have not been field verified. The part shown in the renovated areas are derived from Owner provided documents. The existing smoke compartment square footages are derived from Owner provided documents. Revisions to this square footage are based on this information.

Q. At wet wall locations use cement backer board.

R. Provide aluminum finishing at all tile edge transition locations.

S. New window coverings to be provided for all (new and existing) windows, uno.
Ref: specification Sec 122113 in specs.

GRAPHIC LEGEND

EXISTING TO REMAIN

EXISTING DOOR, PARTITION AND/OR ELEMENT

NEW DOOR, PARTITION AND/OR ELEMENT
DOOR NUMBER

ENLARGED PLAN / DETAIL

NEW WINDOW BLINDS

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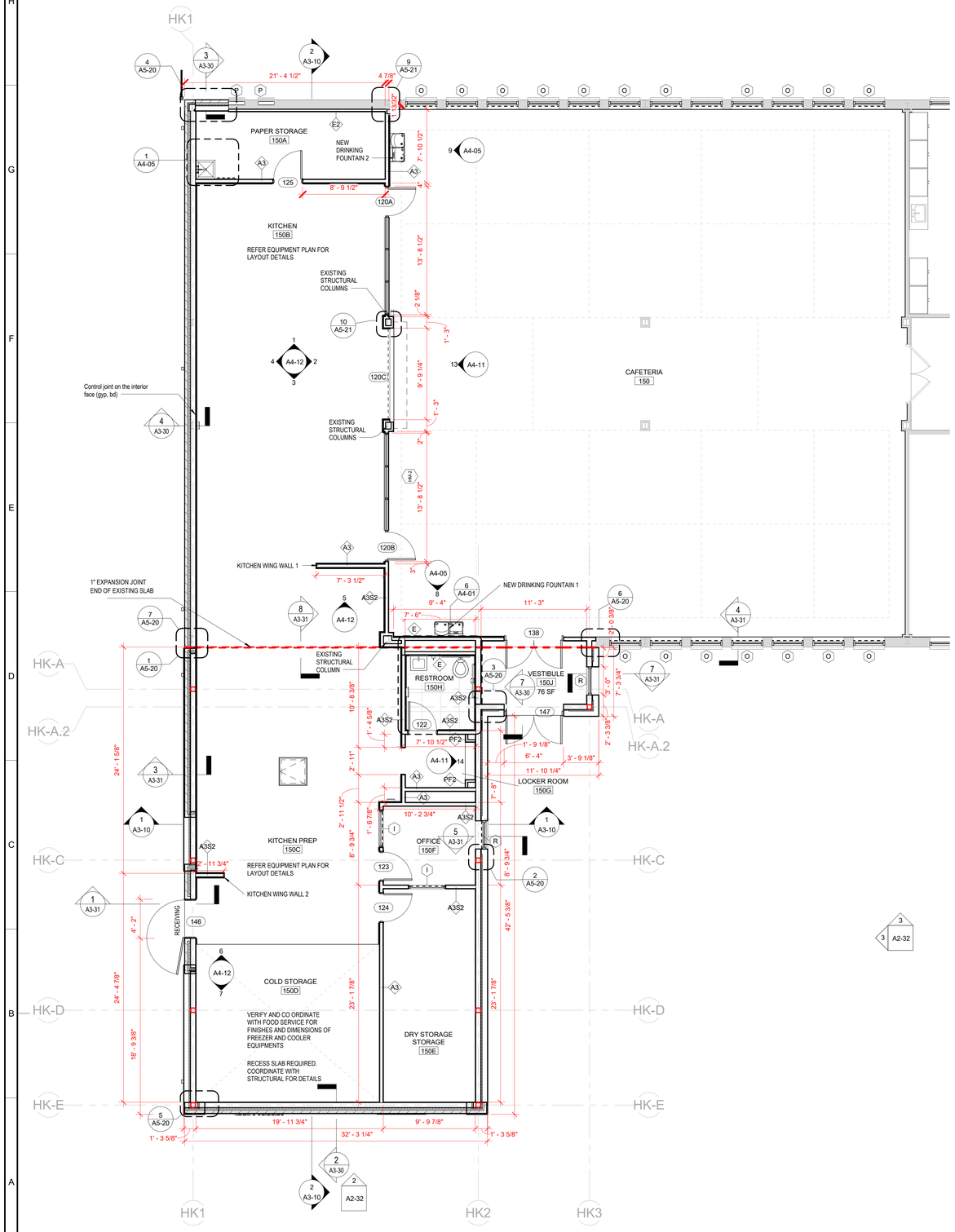
DIMENSIONAL FLOOR PLANS

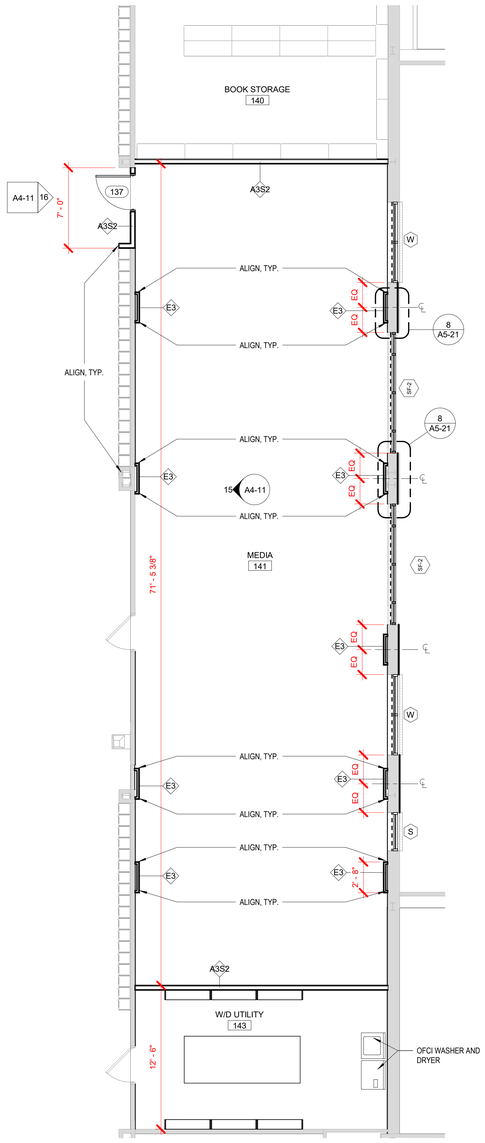
A1-11

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



LEVEL 1 - AREA B - KITCHEN PLAN | 3/16" = 1'-0" | 2



LEVEL 1 - AREA C - MEDIA ROOM PLAN | 3/16" = 1'-0" | 4

GENERAL SHEET NOTES

A. Do not scale drawings. Use figure dimensions only.

B. Verify all dimensions and existing conditions before proceeding with work.

C. The note "No Work in This Area" is a general statement. Some MEP work and architectural work may be required in these areas to complete a system to operational status, for minor renovation, for touch up work, or for verification of existing conditions (i.e. previously inaccessible areas) pertinent to the scope of work. Verification of such a condition may or may not impact the project and will be evaluated on a case by case basis.

D. Refer to sheet **G0-04** for partition types.

E. All partition types as noted.

F. Where enlarged plans or partial plans are referenced, dimensions, notes, special detailing, and finish requirements are noted on the reference sheets and are omitted on the smaller scale plans.

G. Where openings are located immediately adjacent to a perpendicular wall, locate 5" from the adjoining wall to allow for double studs, gypsum board, shims & frame.

H. Provide 1'-6" clearance between latch side of in-swing doors and adjacent perpendicular walls.

I. Refer to sheet A5-91, A5-95, A5-97 for cabinet types.

J. Refer to sheet G0-04, G0-05_ for standard mounting heights.

K. Where any equipment is wall mounted, provide blocking in wall.

L. GC to coordinate installations of vendor installed equipment.

M. Provide access panels in toilet rooms as required by code & authorities having jurisdiction over the project. Coordinate panel location with design team prior to installation.

N. Where specific dimensions are not included at column furring:
-Align face of furring w/ adjacent partition or construction, or
-Minimize protrusion of furring into the space.
***if in doubt, request written clarification from architect prior to proceeding.**

O. All interior dimensions are from finished face or centerline of column.

P. Only the areas described in the Project Scope have been field verified. "Field Verify" means that existing partitions have been partially located. Most of the architectural elements and MEP items have been located. Areas that are concealed or otherwise not accessible have not been verified. Other areas in the building not in the Project Scope have not been field verified. The part shown in the renovated areas are derived from Owner provided documents. The existing smoke compartment square footages are derived from Owner provided documents. Revisions to this square footage are based on this information.

Q. At wet wall locations use cement backer board.

R. Provide aluminum finishing at all tile edge transition locations.

S. New window coverings to be provided for all (new and existing) windows, uno. Ref: specification Sec 122113 in specs.

GRAPHIC LEGEND

EXISTING TO REMAIN

EXISTING DOOR, PARTITION AND/OR ELEMENT

NEW DOOR, PARTITION AND/OR ELEMENT
DOOR NUMBER

ENLARGED PLAN / DETAIL

NEW WINDOW BLINDS

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
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Interim Review
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T: 214-625-5803

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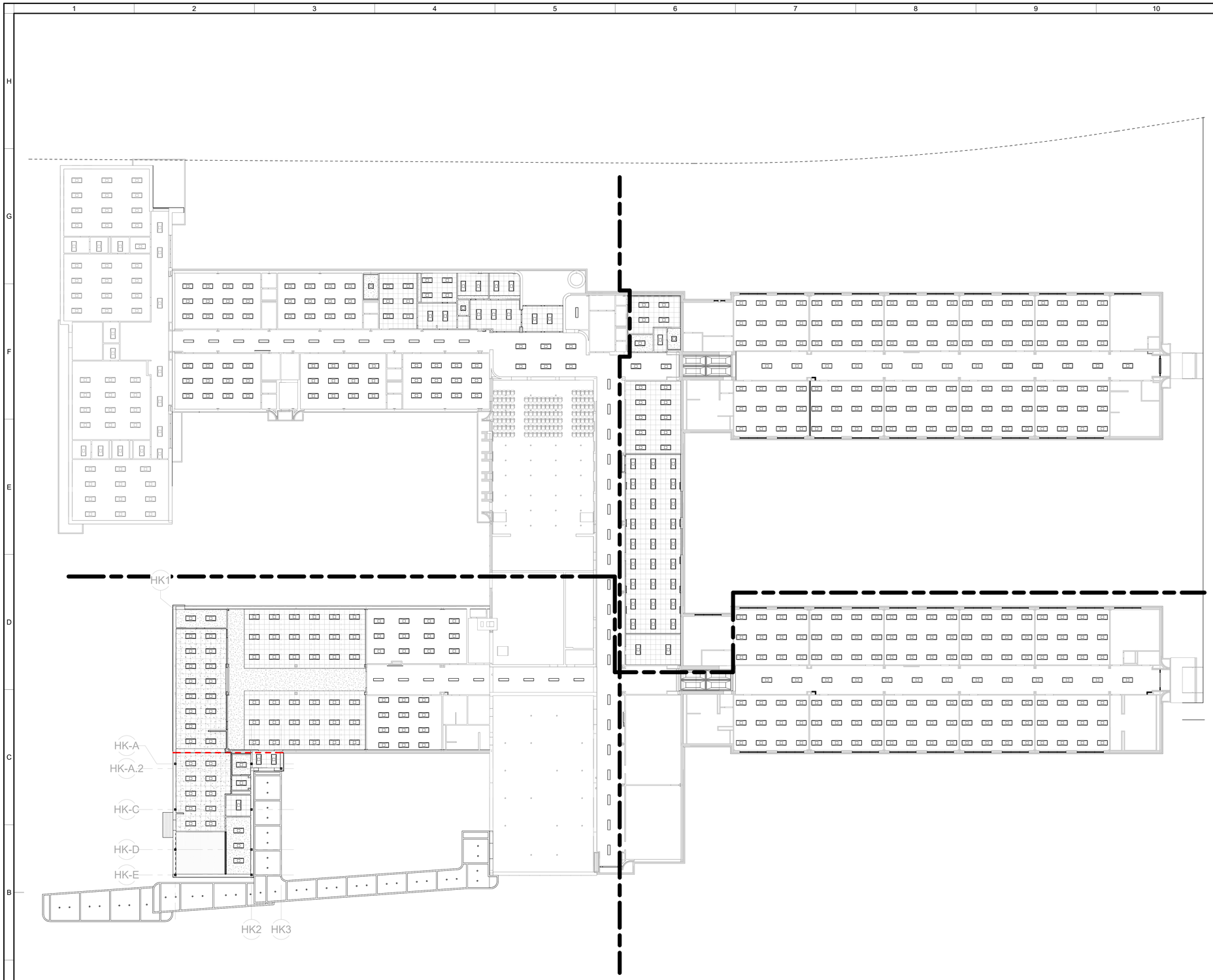
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

DIMENSIONAL FLOOR PLANS

A1-12

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



LEVEL 1 - OVERALL RCP 1/16" = 1'-0" 1

GENERAL SHEET NOTES

General RCP Notes

A. Refer to "Finish Schedule" for further definition of ceiling materials and finishes.

B. All ceiling heights are to be 8'-4" AFF unless noted otherwise.

C. Locate all ceiling mounted smoke detectors, speakers and other miscellaneous services heads and devices in the center of full panels/tiles at lay-in ceilings.

D. Locate sprinkler heads in the center of full panels/tiles at lay-in ceilings. At gypsum board ceiling, symmetrically space heads on center with light rows. Defer to Architect for deviations from this alignment.

E. Coordinate locations of all additional ceiling mounted equipment not indicated in the reflected ceiling plans with Architect prior to installation.

F. All interior dimensions are from face of masonry, finished face, or centerline of column.

G. For ceiling access doors in drywall, see detail(s) A5-80.

H. For typical drywall fur down, see detail(s) _____.

I. All suspended ceilings are to be centered in a space unless noted otherwise.

J. Reference Elect Lighting plans for all replacement light fixture locations

K. Locations of the new light fixtures to be installed in existing ceiling are approximate

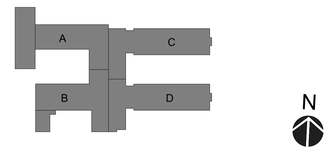
KEYNOTES

SHEET NOTES

RCP Legend

- L1 - Light - Recessed Can
- L2 - Light - 2x4 Troffer
- L4 - Light - 1x4 Troffer
- Gypsum/Plaster Ceiling
- 2x2 Lay-in Acoustical Ceiling
- 2x2 Lay-in VOG (Vinyl-On-Gypsum)

KEY PLAN



Bid and Permit

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100 Glass St.
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Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

OVERALL RCP

A1-20

SCALE: As indicated

LEVEL 1 - AREA A - RCP | 1/8" = 1'-0" | 1

GENERAL SHEET NOTES

General RCP Notes

A. Refer to "Finish Schedule" for further definition of ceiling materials and finishes.

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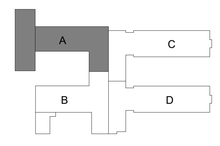

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RCP - AREA A

A1-20A

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024

LEVEL 1 - AREA B - RCP | 1/8" = 1'-0" | 1

GENERAL SHEET NOTES

General RCP Notes

A. Refer to "Finish Schedule" for further definition of ceiling materials and finishes.

B. All ceiling heights are to be 8'-4" AFF unless noted otherwise.

C. Locate all ceiling mounted smoke detectors, speakers and other miscellaneous services heads and devices in the center of full panels/tiles at lay-in ceilings.

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SHEET NOTES

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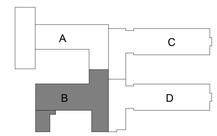

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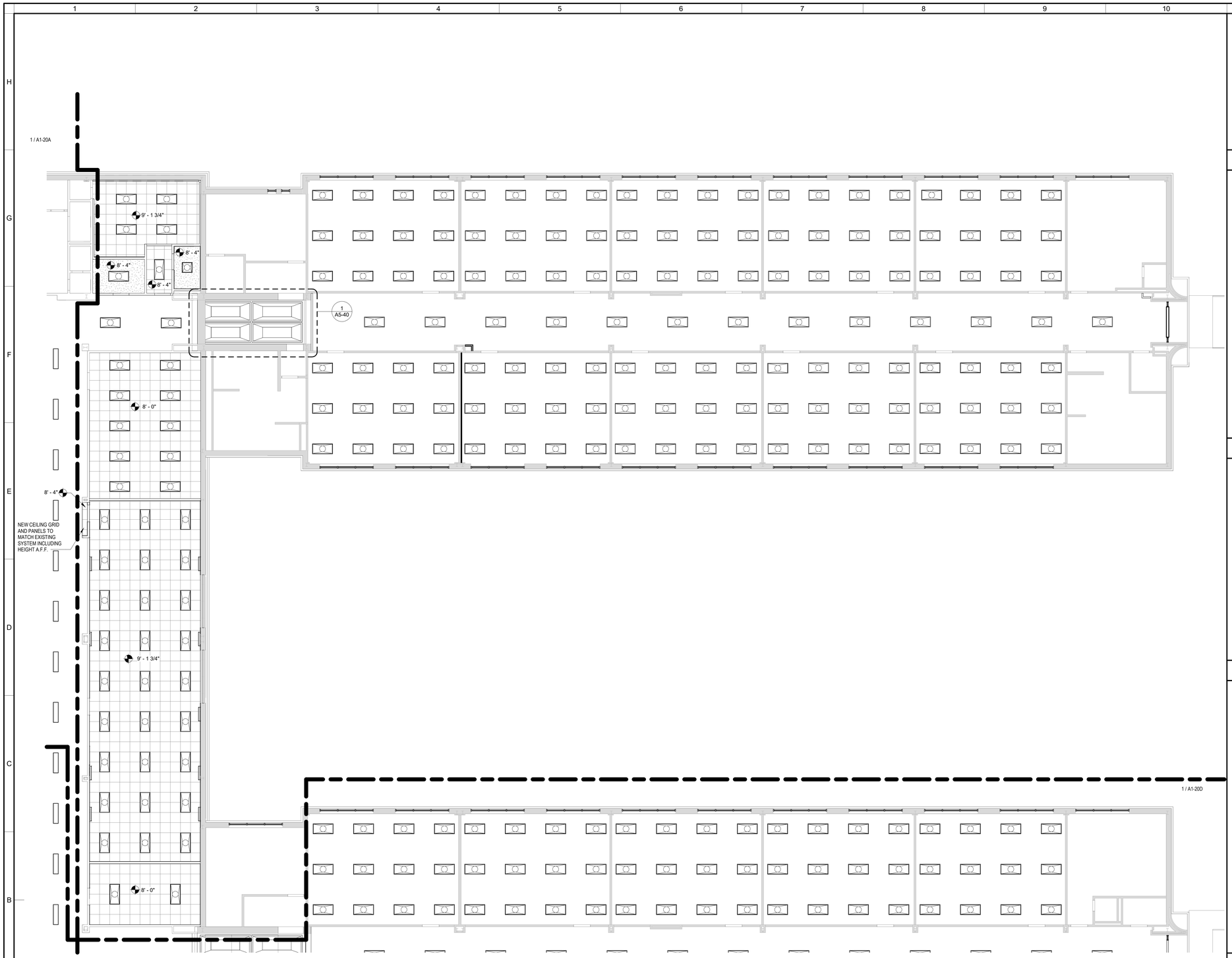
RCP - AREA B

A1-20B

SCALE: As indicated



LEVEL 1 - AREA C - RCP | 1/8" = 1'-0" | 1

GENERAL SHEET NOTES

General RCP Notes

A. Refer to "Finish Schedule" for further definition of ceiling materials and finishes.

B. All ceiling heights are to be 8'-4" AFF unless noted otherwise.

C. Locate all ceiling mounted smoke detectors, speakers and other miscellaneous services heads and devices in the center of full panels/tiles at lay-in ceilings.

D. Locate sprinkler heads in the center of full panels/tiles at lay-in ceilings. At gypsum board ceiling, symmetrically space heads on center with light rows. Defer to Architect for deviations from this alignment.

E. Coordinate locations of all additional ceiling mounted equipment not indicated in the reflected ceiling plans with Architect prior to installation.

F. All interior dimensions are from face of masonry, finished face, or centerline of column.

G. For ceiling access doors in drywall, see detail(s) A5-80.

H. For typical drywall fur down, see detail(s) _____.

I. All suspended ceilings are to be centered in a space unless noted otherwise.

J. Reference Elect Lighting plans for all replacement light fixture locations

K. Locations of the new light fixtures to be installed in existing ceiling are approximate

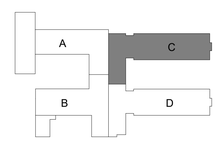
KEYNOTES

SHEET NOTES

RCP Legend

- L1 - Light - Recessed Can
- L2 - Light - 2x4 Troffer
- L4 - Light - 1x4 Troffer
- Gypsum/Plaster Ceiling
- 2x2 Lay-in Acoustical Ceiling
- 2x2 Lay-in VOG (Vinyl-On-Gypsum)

KEY PLAN



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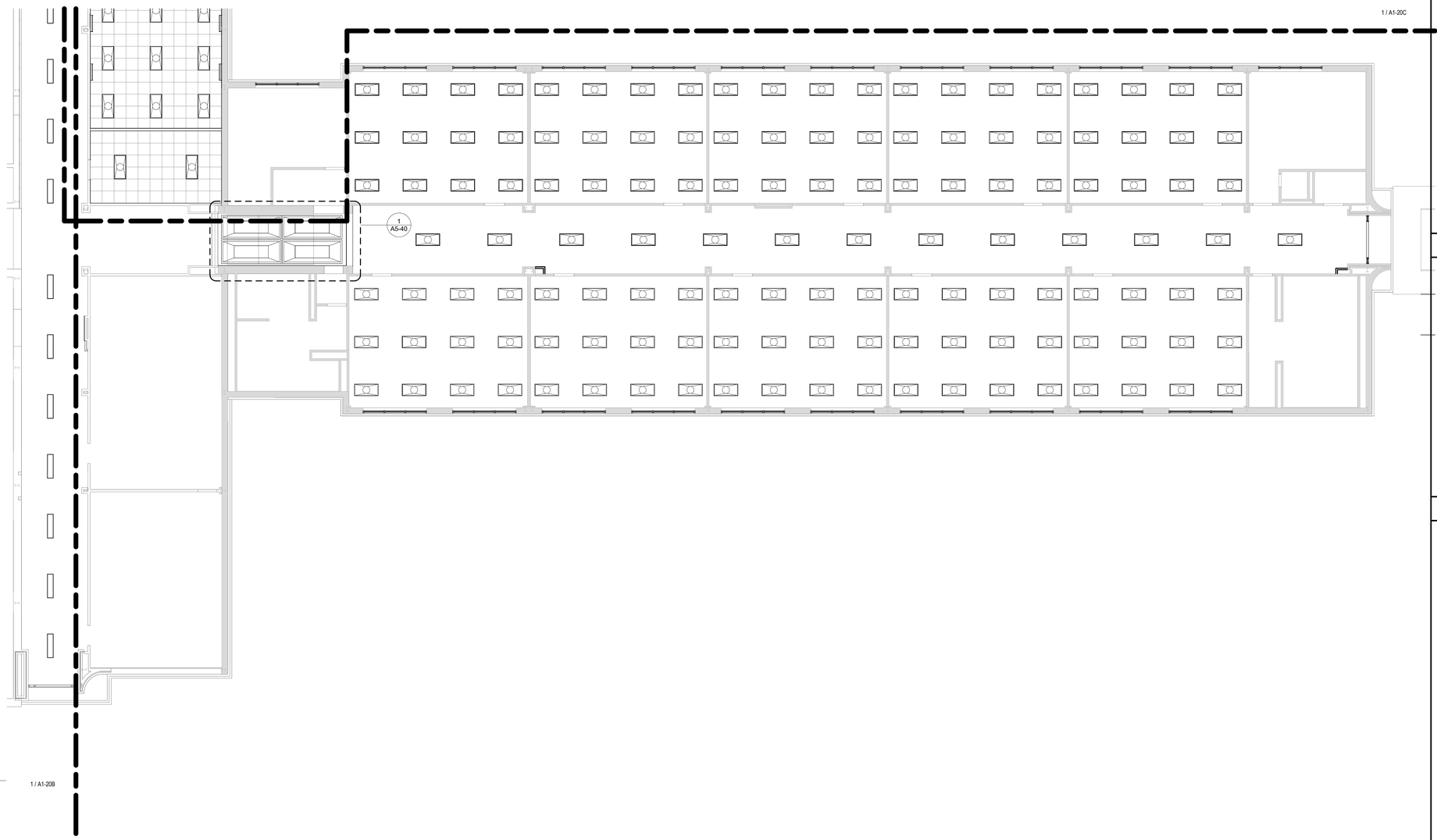
RCP - AREA C

A1-20C

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



LEVEL 1 - AREA D - RCP | 1/8" = 1'-0" | 1

GENERAL SHEET NOTES

General RCP Notes

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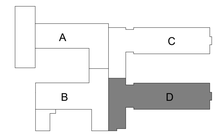

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T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

RCP - AREA D

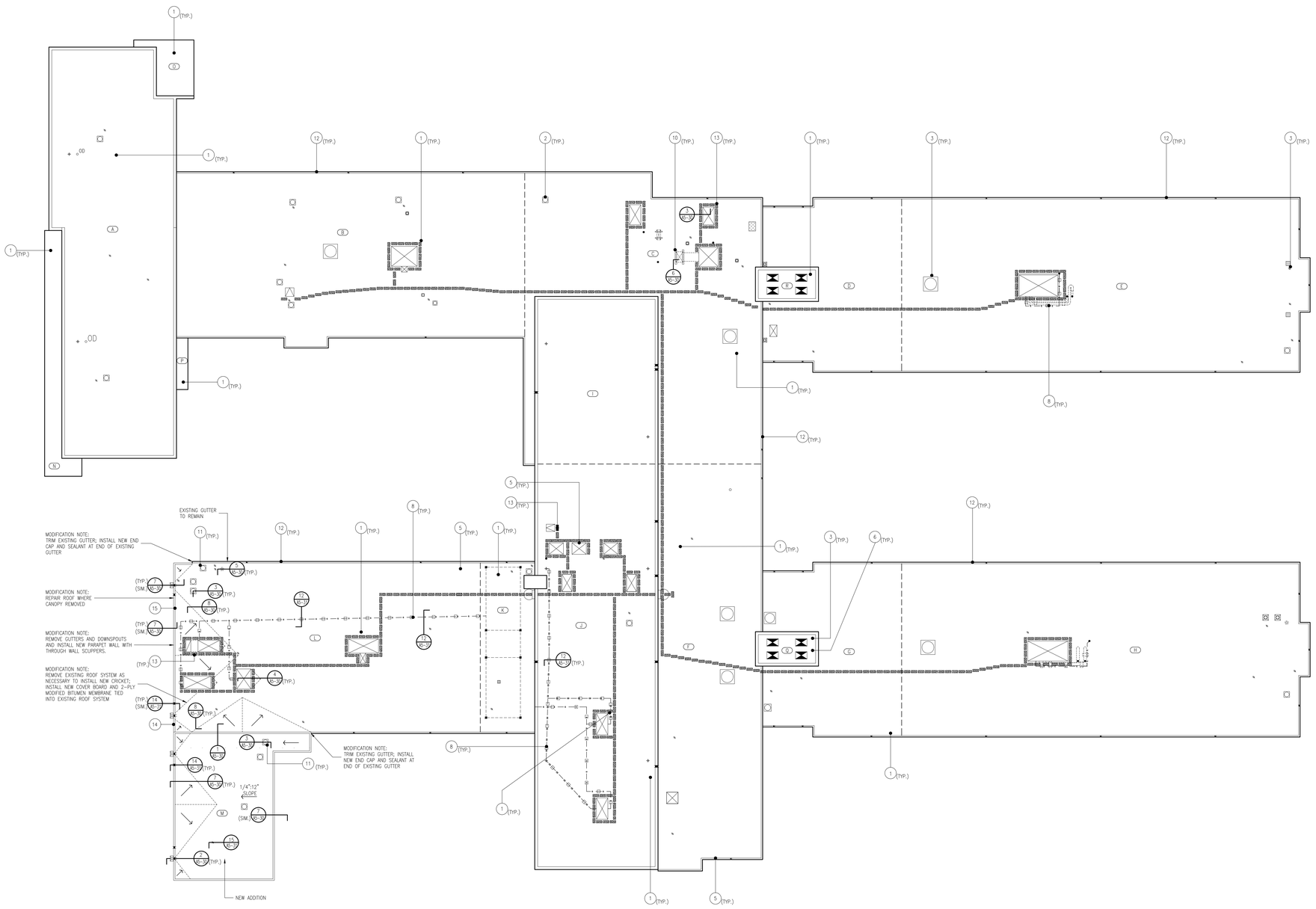
A1-20D

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024

REPAIR NOTES:

1. REPAIR BLISTERS IN EXISTING MEMBRANE AND BASE FLASHING.
2. CLEAN AND PAINT EXISTING METAL VENTS, DUCTS, ETC..
3. REPAIR DAMAGED/DETERIORATED FLASHING AT ROOF PENETRATIONS.
4. REPLACE SEALANTS AT SHEET METAL FLASHINGS, COPING, PENETRATIONS TYP.).
5. REPAIR LOOSE SEAMS/LAPS AT EXISTING MEMBRANE.
6. REPAIR DAMAGED EXISTING MEMBRANE.
7. REPLACE DAMAGED CONDENSATE LINES.
8. INSTALL NEW SUPPORTS BENEATH CONDENSATE LINES, GAS LINES AND CONDUIT.
9. INSTALL/REPLACE MISSING/LOOSE FASTENERS.
10. INSTALL PROTECTION PADS BENEATH EQUIPMENT.
11. APPLY LIQUID MEMBRANE TO ROOF SURFACE AROUND EXHAUST VENT.
12. CLEAN GUTTERS AND INSTALL STAINLESS STEEL SCREENS OVER TOPS OF GUTTERS.
13. INSTALL WALK PADS TO AND AROUND HVAC UNITS.
14. REMOVE GUTTERS AND DOWNSPOUTS AND INSTALL NEW PARAPET WALL WITH THROUGH WALL SCUPPERS.
15. REPAIR EXISTING ROOF AND INSTALL NEW WOOD BLOCKING, SHEET METAL EDGE FLASHING, ETC. WHERE CANOPY IS REMOVED.



1 R2.01 NEW OVERALL ROOF PLAN: BIRDIE ALEXANDER E.S.

SCALE: 1/16"=1'-0"(11"x17"); 1/8"=1'-0"(22"X34")

LEGEND

OVERFLOW DRAIN	PLUMBING VENT	INFRARED I.D.	EQUIPMENT ON SLEEPERS
ROOF DRAIN	HEAT EXHAUST	TEST LOCATION	EQUIPMENT ON CURBS
WALL DRAIN	CURBED HEAT EXHAUST	PHOTO LOCATION	SATELLITE DISH
SUMPED DRAIN	GRAVITY VENT	PROBE LOCATION	ROOF-MOUNTED LADDER
POWER VENT	GRAVITY VENT	SLOPED INSULATED AREA	CAGED LADDER
CURBED VENT STACK	TURBINE VENT	TILE ROOF	WALL-MOUNTED LADDER
CURBED TURBINE VENT	MOISTURE RELIEF VENT	METAL ROOF	WALKPAD
ABANDONED PENETRATION	PITCH PAN	COLUMN	DOOR ACCESS
PIPING ON HANGERS	ROUND PENETRATION	TIE-BACK	LIGHT
PIPING ON WOOD BLOCKING	GOOSENECK PENETRATION	DAVIT	SHINGLE ROOF
PIPING ON SUPPORTS	PIPE BOX	CURBED DUCT PENETRATION	ANTENNA
CONDENSATION DRAIN LINE	EXPANSION JOINT	DUCT ON SUPPORT	NEW WALKPAD
ELECTRICAL CONDUIT	ROOF-TO-WALL EXPANSION JOINT	DUCT ON CURBS	
GAS LINE	METAL EDGE	DUCT ON STEEL	
MECHANICAL SCREEN	DOWNSPOUT AND GUTTER	ROOF HATCH	
CWS / HOT WATER	PARAPET	SMOKE HATCH	
AIR TERMINAL	THROUGH-WALL SCUPPER	SKYLIGHT	
THROUGH-ROOF CONNECTION	THROUGH-EDGE SCUPPER	STRUCTURAL SKYLIGHT	
DUCT PENETRATION	SCUPPER WITH COLLECTOR HEAD	STRUCTURAL SKYLIGHT	
EQUIPMENT CURB	WALL THICKNESS INDICATOR	CHIMNEY	
VENT / INTAKE	WALL HEIGHT INDICATOR	ROUND GOOSENECK	
GRAVITY VENT	SPLASHBLOCK	SQUARE GOOSENECK	
EQUIPMENT ON SUPPORTS	CORE LOCATION	RISE-WALL	
EQUIPMENT ON PITCH PANS	LEAK LOCATION		

GENERAL NOTES

1. ALL DIMENSIONS, EQUIPMENT, AND PENETRATION LOCATIONS PRESENTED ON THE DRAWINGS ARE CONSIDERED APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS.
2. THESE DRAWINGS AND DETAILS ACCOMPANY SPECIFICATIONS AND DOCUMENTS THAT COMPRISE A PROJECT MANUAL.
3. DETAILS ARE DESIGNATED AT REPRESENTATIVE LOCATIONS. EACH LOCATION AND SIMILAR CONDITIONS ARE TO BE TREATED ACCORDINGLY.
4. TYPICAL DETAIL DESIGNATION: (DETAIL NUMBER / SHEET NUMBER)
5. UNLESS INDICATED BY THE TERM "EXISTING", ITEMS PRESENTED ON DETAIL DRAWINGS ARE CONSIDERED TO BE NEW AND FURNISHED BY CONTRACTOR.
6. NEW ROOF ADDITIONS SCOPE OF WORK:
   - PROVIDE NEW WOOD BLOCKING/ NAILERS AS DESIGNATED. BLOCKING/ NAILERS, &/OR COMBINATION WITH PLYWOOD/OSB SHEATHING TO MATCH THICKNESS OF INSULATION AT RESPECTIVE LOCATIONS, AND WIDTH TO EXTEND BEYOND EDGE OF METAL FLANGE (MIN. 1-INCH) WHERE APPLICABLE.
   - INSTALL TAPERED POLYISOCYANURATE INSULATION: COVER BOARD AND 2-PLY MODIFIED BITUMEN ROOF.
   - INSTALL NEW FLASHING AT WALLS, CURBS & PENETRATIONS.
   - INSTALL NEW SLOPED WOOD; SELF-ADHERED HIGH-TEMP UNDERLAYMENT ; AND SHEET METAL COPING ON PARAPET WALLS.
   - INSTALL NEW CURBED EXPANSION JOINT WITH SHEET METAL COPING BETWEEN EXISTING ROOF AND NEW ROOF AREA.
   - INSTALL NEW PIPE SUPPORTS ON PROTECTION PADS UNDER ROOFTOP PIPING AND DUCT.
   - INSTALL NEW WALK PADS AROUND ROOFTOP EQUIPMENT, ROOF HATCH & LADDERS.
   - INSTALL NEW ROOF SYSTEM TO COMPLY WITH IBC-2012 & IECC-2012.
   - INSTALL NEW ROOF SYSTEM TESTED TO MEET SPECIFIED WIND UPLIFT PRESSURES AS FOLLOWS:
     -37.5PSF FOR THE ZONE I' OF THE ROOF,
     -60.0PSF FOR THE ZONE 1 (FIELD) OF THE ROOF AT 24-FEET FROM EDGE,
     -75.0PSF IN ZONE 2 AT 24-FEET WIDE PERIMETER ZONES, AND
     -97.5PSF IN ZONE 3 AT 8-FEET BY 24-FEET CORNER ZONES.
7. TYPICAL EXISTING ROOF CONSTRUCTION IS AS FOLLOWS:
   - GRANULE-SURFACED CAP SHEET; SMOOTH-SURFACED BASE PLY; PERLITE INSULATION (3/4"); POLYISOCYANURATE INSULATION (VARIES); METAL DECK.
8. EXISTING ROOFS SCOPE OF WORK:
   - PROVIDE NEW BASE FLASHINGS AND COUNTERFLASHINGS AS NECESSARY AT EXISTING EQUIPMENT CURBS TO RECEIVE NEW EQUIPMENT.
   - COORDINATE ROOFING WITH MEP WORK AND OTHER RENOVATIONS.
   - INSTALL NEW MEMBRANE AND SHEET METAL FLASHING AT NEW MEP PENETRATIONS.
   - INSTALL NEW SUPPORTS SET ON PROTECTION PADS FOR NEW UTILITY PIPING.
   - INSTALL NEW WALK PADS AT ROOF ACCESS POINTS, AND TO AND AROUND HVAC EQUIPMENT.
   - REMOVE EXISTING SHEET METAL FLASHING AND ROOF AT DESIGNATED LOCATIONS; INSTALL NEW TAPERED INSULATION (CRICKETS) AND MEMBRANE AT DESIGNATED LOCATIONS.
   - REMOVE EXISTING GUTTERS AND DOWNSPOUTS AT DESIGNATED LOCATIONS. INSTALL NEW PARAPET WALL WITH THROUGH WALL SCUPPERS AT DESIGNATED LOCATIONS.
   - APPLY ELASTOMERIC COATING TO SURFACE OF EXISTING CAP SHEET.
   - CLEAN AND PAINT EXISTING ROOF DRAINS, GAS LINES, AND EQUIPMENT.

SHEET NOTES

KEY PLAN

TRUE NORTH

N

ISSUED FOR BIDDING AND PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT

BIRDIE ALEXANDER
Elementary School
DALLAS ISD
1830 Goldwood Dr.
Dallas, TX 75000

HarrisonKornberg ARCHITECTS
3800 Buffalo Speedway, Suite 550
Houston, TX 77098
T: 832-350-4695
Email:bsaucedа@harrisonkornberg.com
Contact: Ben Saucedа

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ISSUES & REVISIONS

No.	Date	Revision

STATE OF TEXAS — KARL A. SCHAACK — 70234 — REGISTERED — ENGINEER — 01/18/24 — F-3814

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Mina Deo
T: 214-336-5214

Envelope:
PCI
Contact: Karl Schaack
T: 281-827-9250

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 850-624-3372

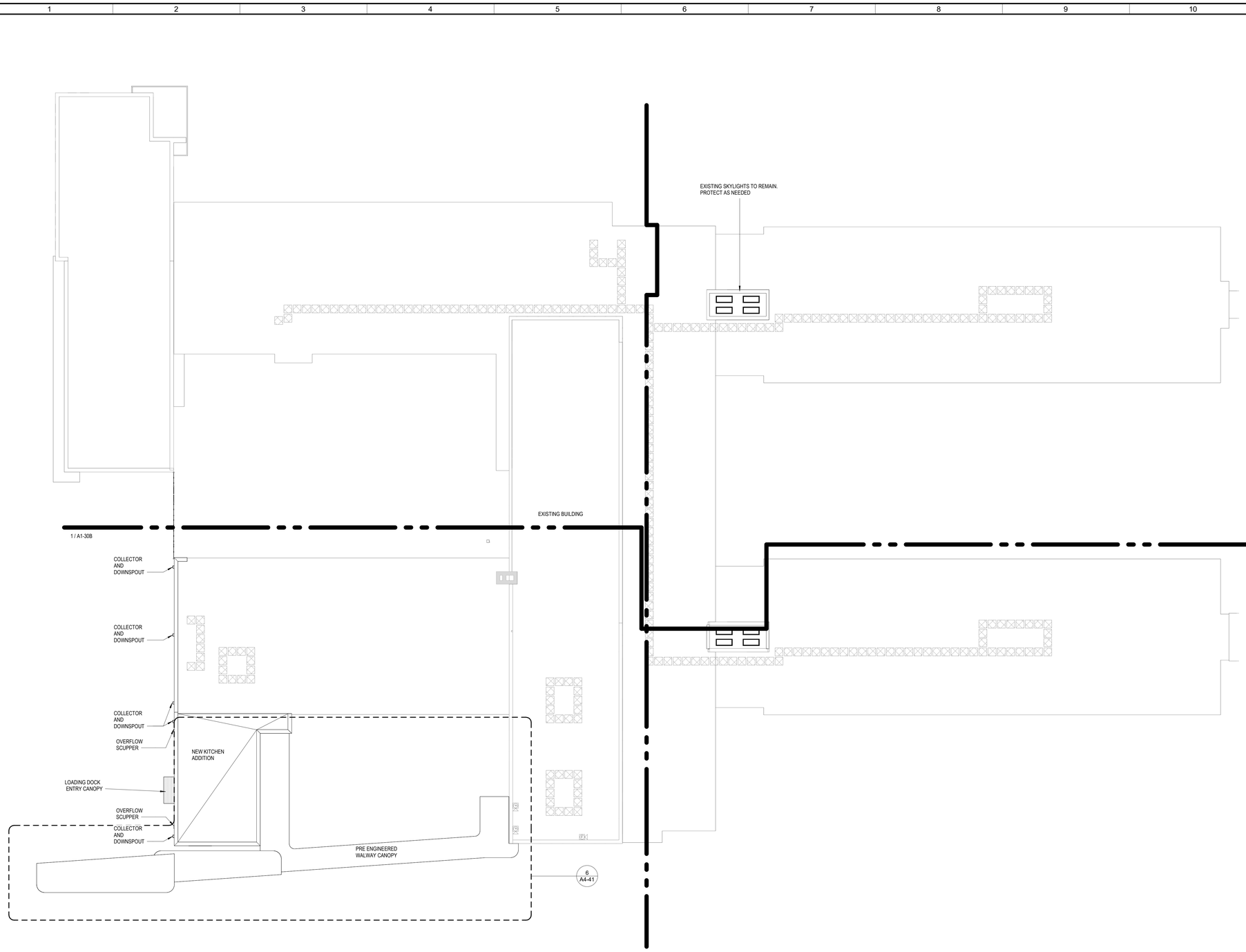
IT / AV / Security:
TLC Engineering, Inc.
Contact: Aaron Rose
T: 713-868-6900

OVERALL NEW ROOF PLAN

A1-2.1A

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

Project Name: BRDE ALEXANDER E.S. Date: 01/17/24



ROOF LEVEL - OVERALL PLAN | 1/16" = 1'-0" | 1

GENERAL SHEET NOTES

General Roof Plan Notes

A. Do not scale drawings. Use figure dimensions only.

B. Field verify all dimensions and existing conditions before proceeding with work.

C. Where roofing manufacturer's details differ from the details provided by the architect, the GC & the roofing contractor shall install the roofing system and/or component per the manufacturer's printed details & instructions. The architect shall receive notice & copies of all roof modifications prior to installation.

D. Where enlarged plans or partial plans are referenced, dimensions, notes, special detailing, and finish requirements are noted on the reference sheets and are omitted on the smaller scale plans.

E. Where any equipment is wall mounted, provide blocking in wall.

F. GC to coordinate installations of vendor installed equipment.

L. Contractor shall provide crickets as required to create positive drainage towards [roof drains/gutters].

M. All roof slopes are 1/4" per 1'-0" U.N.O.

N. Dimensions, penetrations, piping are indicated for general information only and may not represent the actual quantity, size or location of such items and any related accessories. Contractor shall field verify conditions & provide all necessary curbs, supports, flashing & other related components as required for a complete, fully functional installation.

Q. Details are designated at representative locations. Each location & similar conditions are to be treated as if each such condition were noted/indicated.

P. Provide 8" minimum flashing height at all roof base, curb & penetration flashing conditions U.N.O.

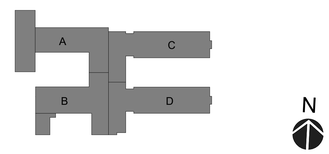
Q. Refer to & coordinate with mechanical, electrical & plumbing drawings & specifications.

SHEET NOTES

Roof Legend

- Roof drain
- Overflow roof drain
- Walkway pads

KEY PLAN



Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

Interim Review
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02.22.2026

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B	11/16/2023	Design Development
C	2/9/2024	50% Construction Documents
D	06/13/2025	95% Construction Documents
E	01/16/2026	Permit Review Set
F	02/22/2026	Bid and Permit Set

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Selvakumar Viswanathan
T: 214-625-5803

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
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Contact: Karl Schaak, PE, RRC
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

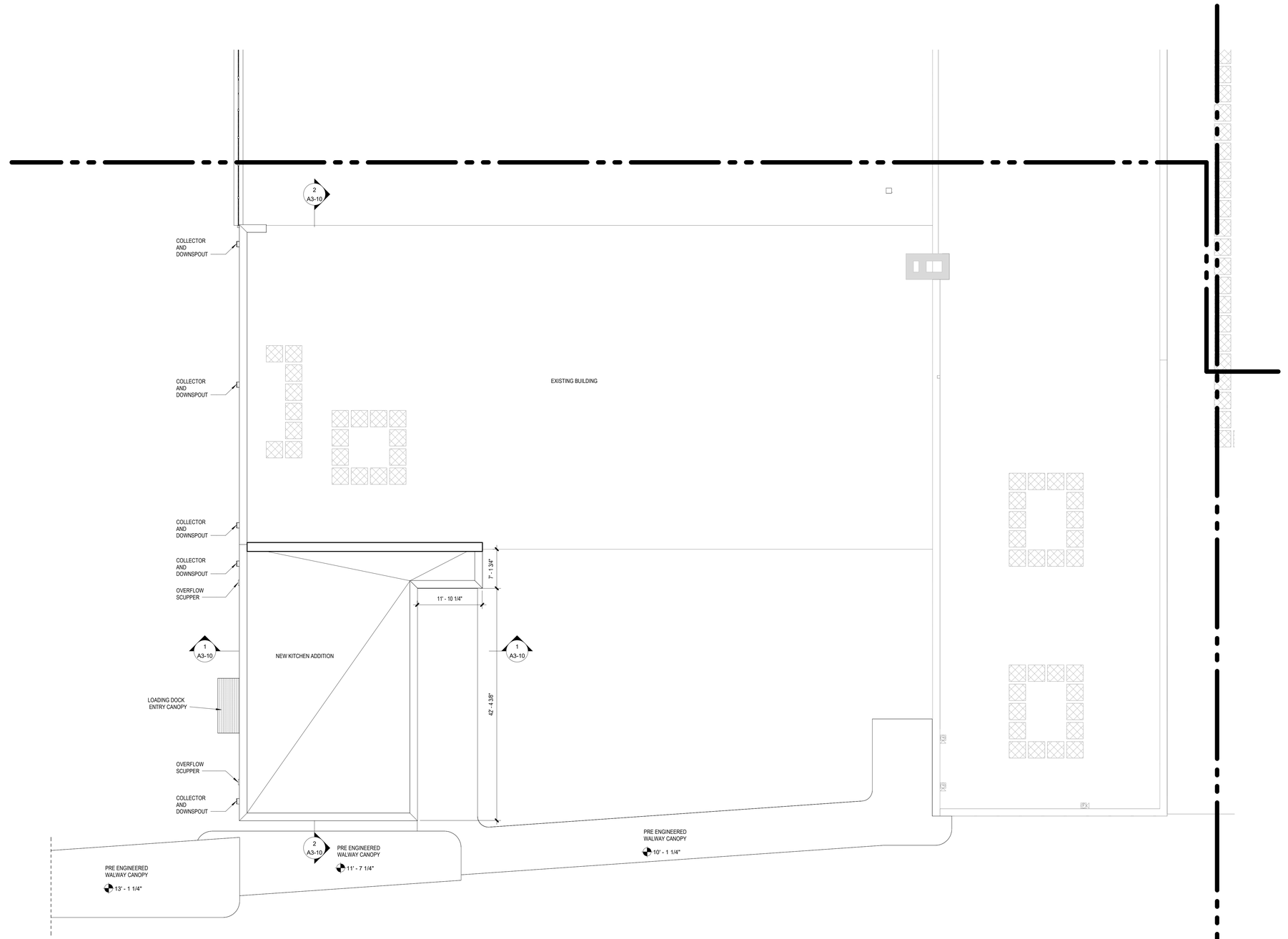
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

OVERALL ROOF REFERENCE PLAN

A1-30

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



ROOF LEVEL - AREA B PLAN | 1/8" = 1'-0" | 1

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P. Provide 8" minimum flashing height at all roof base, curb & penetration flashing conditions U.N.O.

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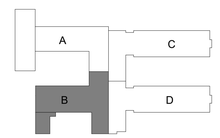
SHEET NOTES

Roof Legend

- Roof drain
- Overflow roof drain
- Walkway pads

KEY PLAN



N

Bid and Permit

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HarrisonKornberg ARCHITECTS
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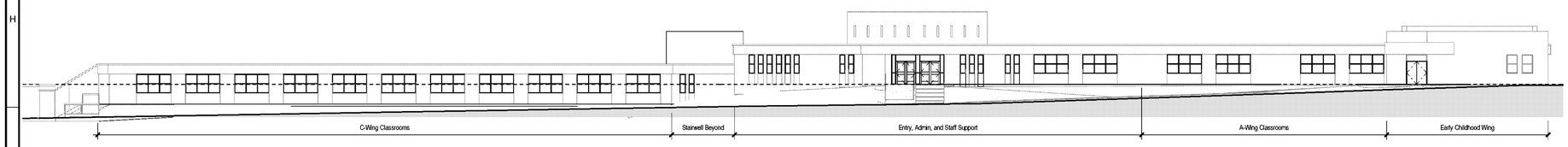
ROOF PLAN - AREA B

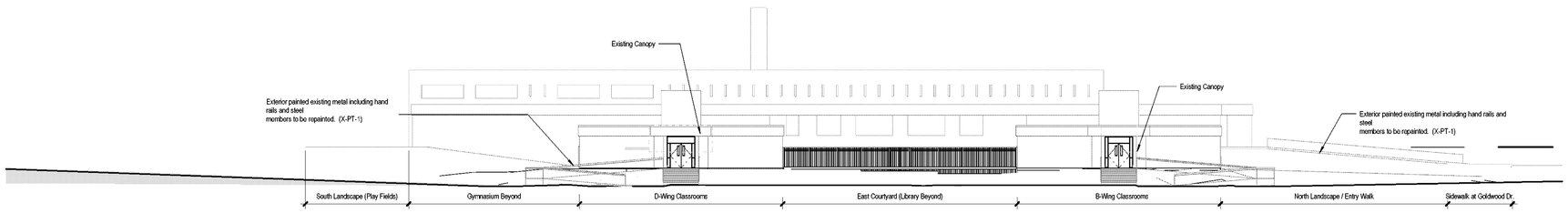
A1-30B

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024

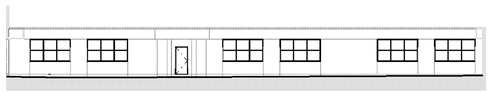


1 NORTH OVERALL ELEVATION
SCALE: 1/16" = 1'-0"

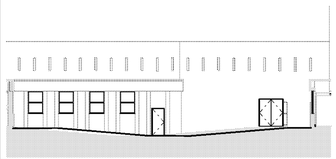


2 EAST OVERALL ELEVATION
SCALE: 1/16" = 1'-0"

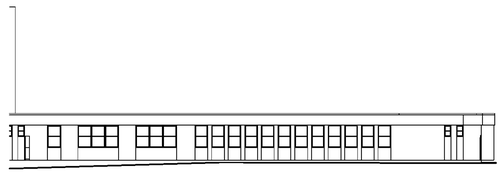
3 WEST COURT ELEVATION 4 (PRE-K)
SCALE: 1/16" = 1'-0"



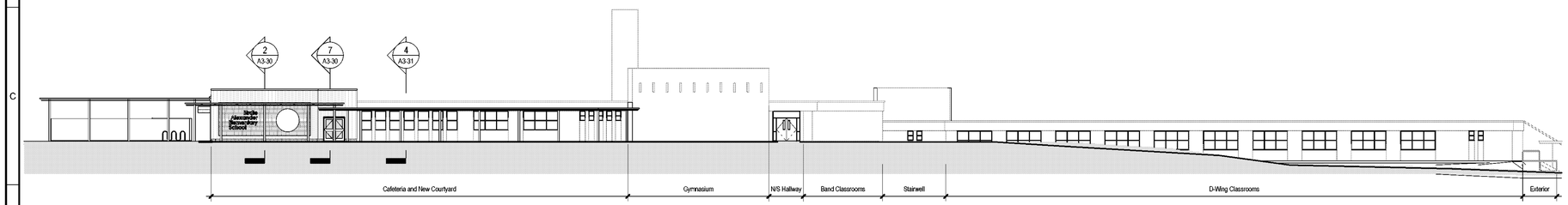
4 WEST COURT ELEVATION 1 (PRE-K SECTION)
SCALE: 1/16" = 1'-0"



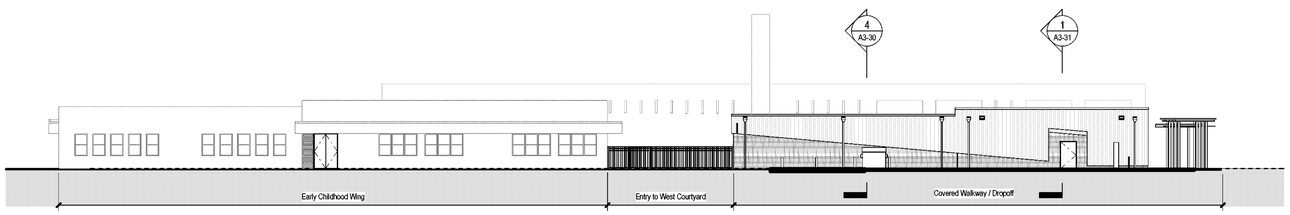
5 WEST COURT ELEVATION 2 (AUDITORIUM)
SCALE: 1/16" = 1'-0"



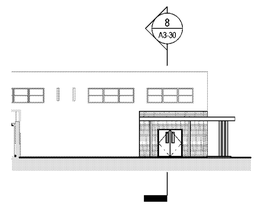
6 WEST COURT ELEVATION 3 (CAFETERIA)
SCALE: 1/16" = 1'-0"



7 SOUTH OVERALL ELEVATION
SCALE: 1/16" = 1'-0"



8 WEST OVERALL ELEVATION
SCALE: 1/16" = 1'-0"



9 SOUTH WEST COURTYARD (GYMNASIUM)
SCALE: 1/16" = 1'-0"

GENERAL SHEET NOTES

A. Do not scale drawings. Use figure dimensions only.

B. Refer to sheet A6-10, A6-20, A6-21 for exterior glazing types.

C. Opening dimensions are to rough openings, unless noted otherwise.

D. Existing windows to be replaced in the exact opening, unless otherwise mentioned.

E. Replace rod and sealants in all vertical control joints in building facade masonry.

F. All exterior painted metal including hand rails and steel members to be replained.

G. Grade beam and Foundation, refer structural drawings.

H. Refer roof sheets for through wall scupper/ collector head detail at metal wall panel.

I. All bricks to be power washed unless noted otherwise.

J. Exterior painted existing metal including hand rails and steel members to be repainted.

KEYNOTES

SHEET NOTES

BR1- BRICK 1

MP1 - METAL PANEL 1

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St
Dallas, TX 75207
P: 713-229-0686
f: 713-229-0692
Contact: Ben Saucedo

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02.22.2026

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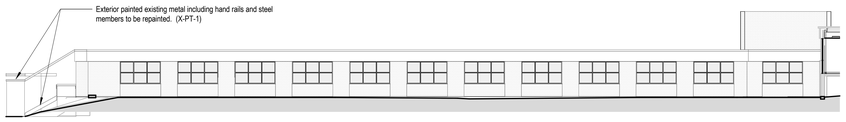
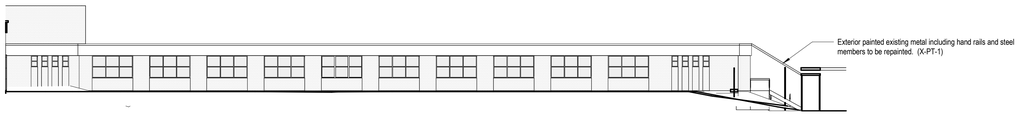
Contact: Sherri Myers
T: 972-245-5300

OVERALL EXTERIOR ELEVATIONS

A2-01
SCALE: As indicated



10 EAST COURT ELEVATION 3 (LIBRARY SECTION)
SCALE: 1/16" = 1'-0"



11 EAST COURT ELEVATION 1 (WING B)
SCALE: 1/16" = 1'-0"

GENERAL SHEET NOTES

A. Do not scale drawings. Use figure dimensions only.

B. Refer to sheet A6-10, A6-20, A6-21 for exterior glazing types.

C. Opening dimensions are to rough openings, unless noted otherwise.

D. Existing windows to be replaced in the exact opening, unless otherwise mentioned.

E. Replace rod and sealants in all vertical control joints in building facade masonry.

F. All exterior painted metal including hand rails and steel members to be replained.

G. Grade beam and Foundation, refer structural drawings.

H. Refer roof sheets for through wall scupper/ collector head detail at metal wall panel.

I. All bricks to be power washed unless noted otherwise.

J. Exterior painted existing metal including hand rails and steel members to be repainted.

KEYNOTES

SHEET NOTES

BR1- BRICK 1

MP1 - METAL PANEL 1

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

Interim Review
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02.22.2026

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ISSUES & REVISIONS

No.	Date	Revision
A	08/11/2023	Schematic Design
B	11/16/2023	Design Development
C	2/9/2024	50% Construction Documents
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E	01/16/2026	Permit Review Set
F	02/22/2026	Bid and Permit Set

PROJECT TEAM

Owner/ Project Manager:
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Contact: Koniko McGinnis
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Civil:
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T: 214-739-9105

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JQ Infrastructure
Contact: Selvakumar Viswanathan
T: 214-625-5803

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
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Contact: Karl Schaak, PE, RRC
T: 281-827-9250

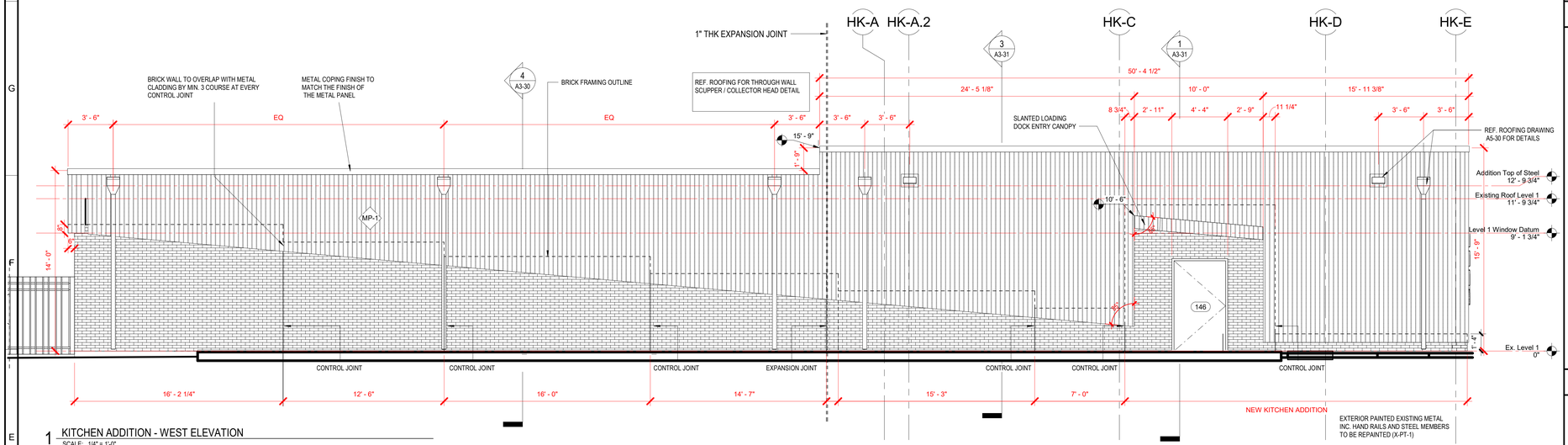
IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

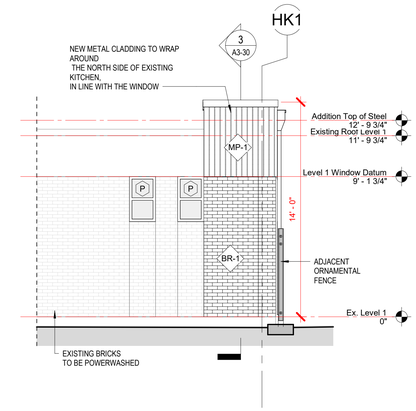
OVERALL EXTERIOR ELEVATIONS

A2-02

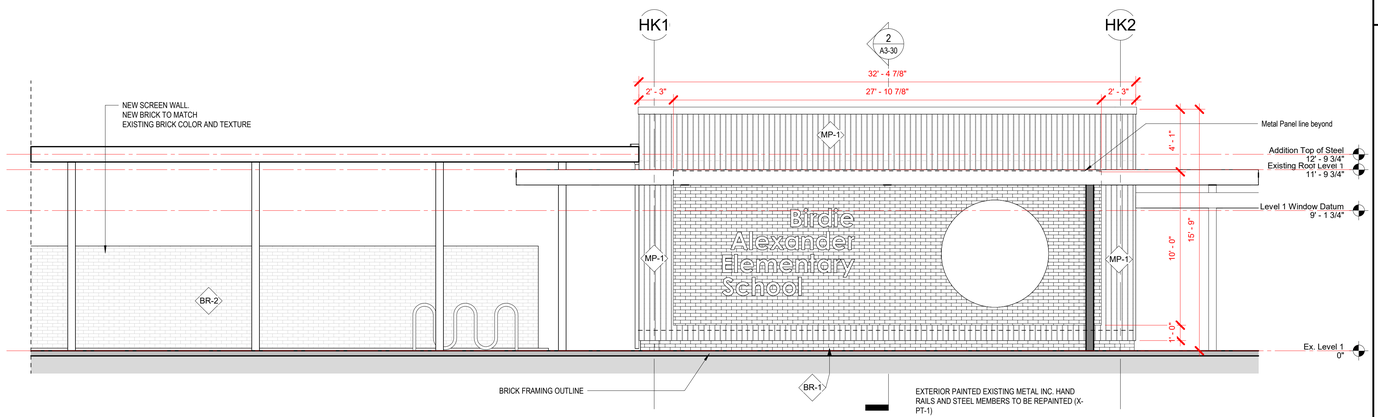
SCALE: As indicated



1 KITCHEN ADDITION - WEST ELEVATION
SCALE: 1/4" = 1'-0"



2 KITCHEN NORTH ELEVATION
SCALE: 1/4" = 1'-0"



3 KITCHEN ADDITION SOUTH ELEVATION
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

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C. Opening dimensions are to rough openings, unless noted otherwise.

D. Existing windows to be replaced in the exact opening, unless otherwise mentioned.

E. Replace rod and sealants in all vertical control joints in building facade masonry.

F. All exterior painted metal including hand rails and steel members to be replained.

G. Grade beam and Foundation, refer structural drawings.

H. Refer roof sheets for through wall scupper/ collector head detail at metal wall panel.

I. All bricks to be power washed unless noted otherwise.

J. Exterior painted existing metal including hand rails and steel members to be repainted.

KEYNOTES

SHEET NOTES

BR1- BRICK 1

MP1 - METAL PANEL 1

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

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DALLAS ISD
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02/22/2026

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MEPCE
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T: 972-887-5566

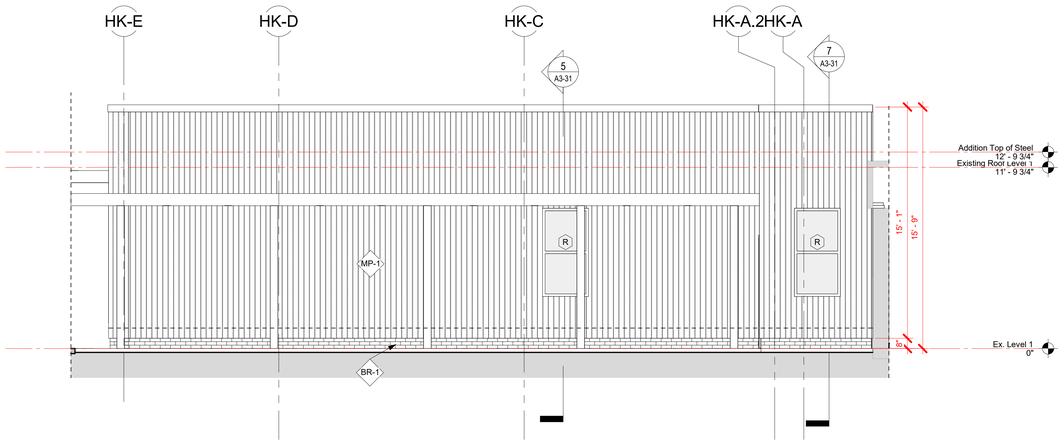
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

ENLARGED EXTERIOR ELEVATIONS

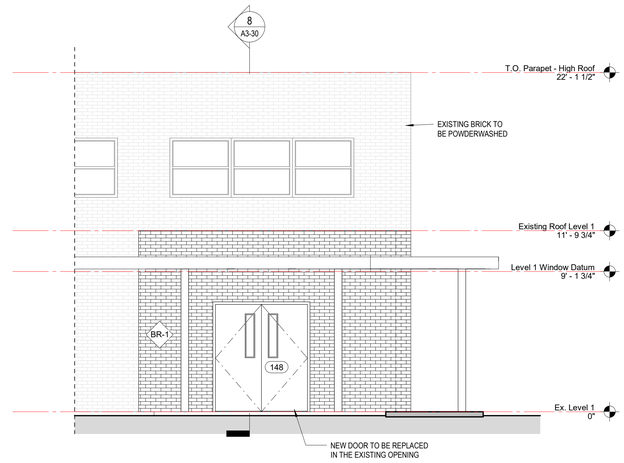
A2-10

SCALE: As indicated

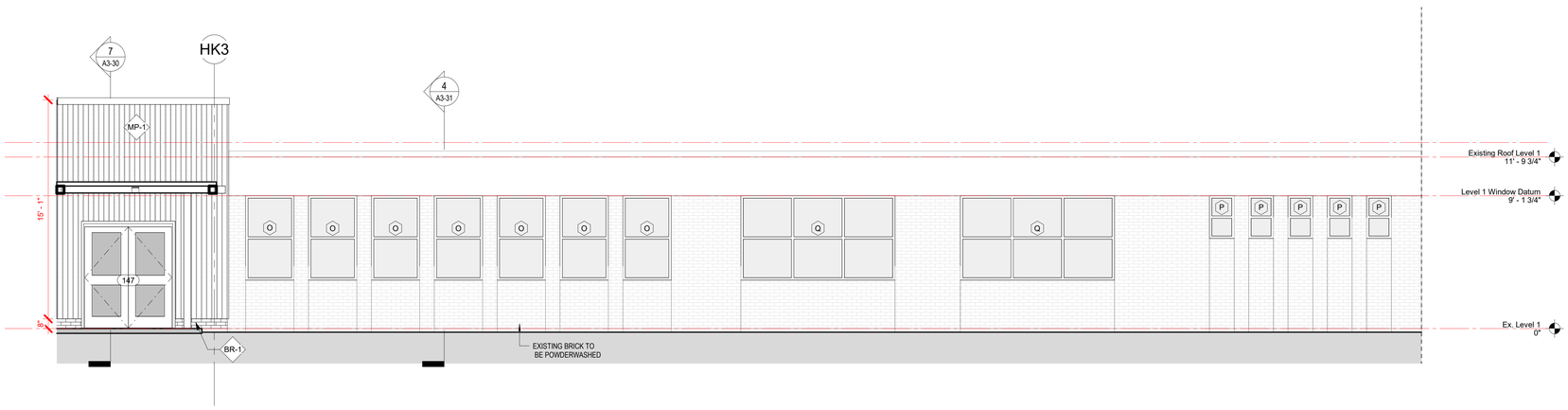
Project Name: ORG. #235 BAES Date:10/18/2024



1 KITCHEN ADDITION - EAST ELEVATION
SCALE: 1/4" = 1'-0"



2 ENLARGED GYM WALL ELEVATION
SCALE: 1/4" = 1'-0"



3 ENLARGED CAFETERIA SOUTH WALL ELEVATION
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

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B. Refer to sheet A6-10, A6-20, A6-21 for exterior glazing types.

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F. All exterior painted metal including hand rails and steel members to be replained.

G. Grade beam and Foundation, refer structural drawings.

H. Refer roof sheets for through wall scupper/ collector head detail at metal wall panel.

I. All bricks to be power washed unless noted otherwise.

J. Exterior painted existing metal including hand rails and steel members to be repainted.

KEYNOTES

SHEET NOTES

BR1- BRICK 1

MP1 - METAL PANEL 1

Bid and Permit

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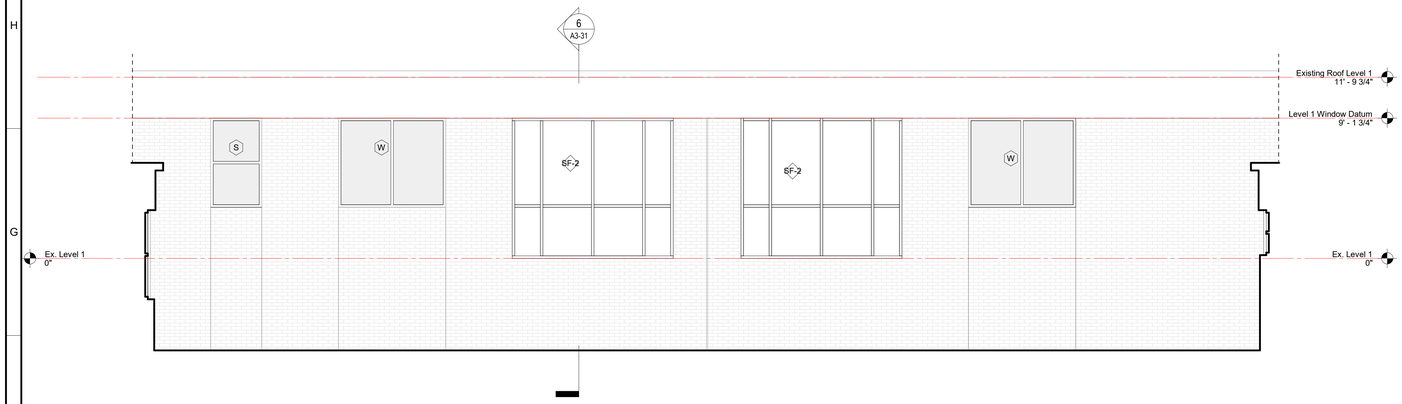
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

ENLARGED EXTERIOR ELEVATIONS

A2-11

SCALE: As indicated



1 EAST COURT ELEVATION 4 (LIBRARY)
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

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B. Refer to sheet A6-10, A6-20, A6-21 for exterior glazing types.

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J. Exterior painted existing metal including hand rails and steel members to be repainted.

KEYNOTES

SHEET NOTES

BR1- BRICK 1

MP1 - METAL PANEL 1

Bid and Permit

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Food Service Design:
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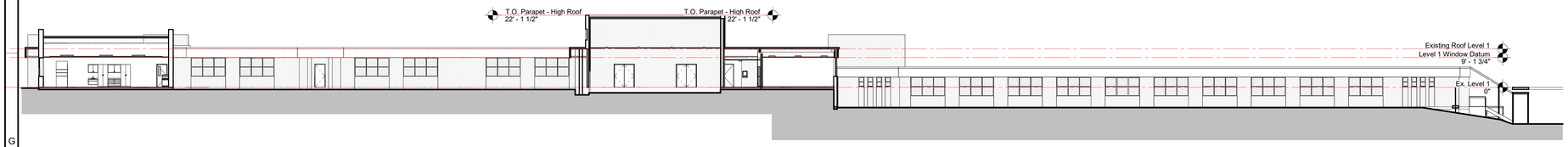
Contact: Sherri Myers
T: 972-245-5300

ENLARGED EXTERIOR ELEVATIONS

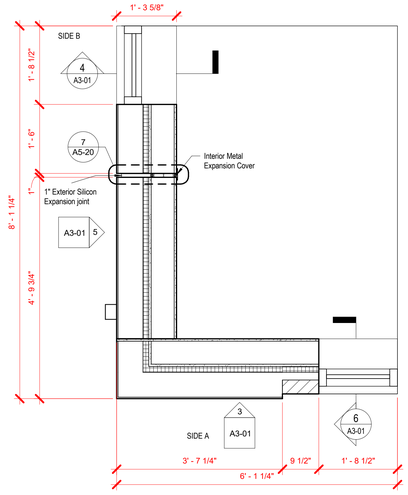
A2-12

SCALE: As indicated

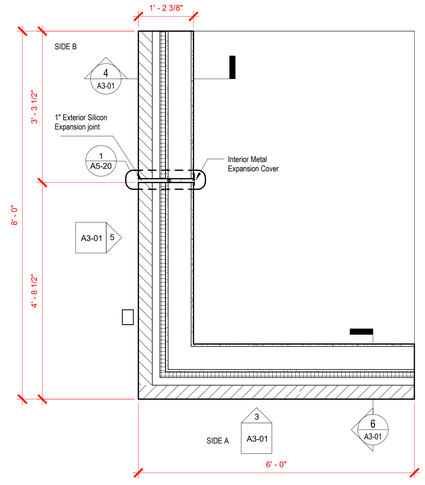
Project Name: ORG. #235 BAES Date:10/18/2024



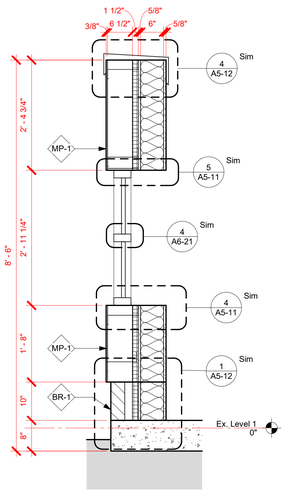
1 SECTION 5
SCALE: 1/16" = 1'-0"



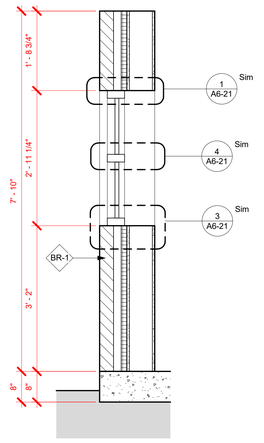
2 ENLARGED PLAN @ METAL PANEL -INTEGRATED MOCK UP
SCALE: 3/4" = 1'-0"



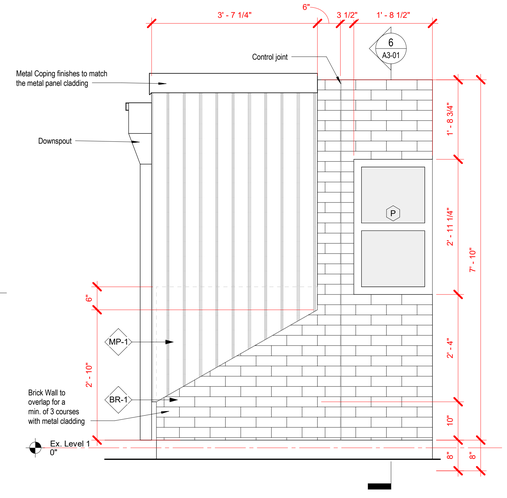
7 ENLARGED PLAN @ BRICK -INTEGRATED MOCK UP
SCALE: 3/4" = 1'-0"



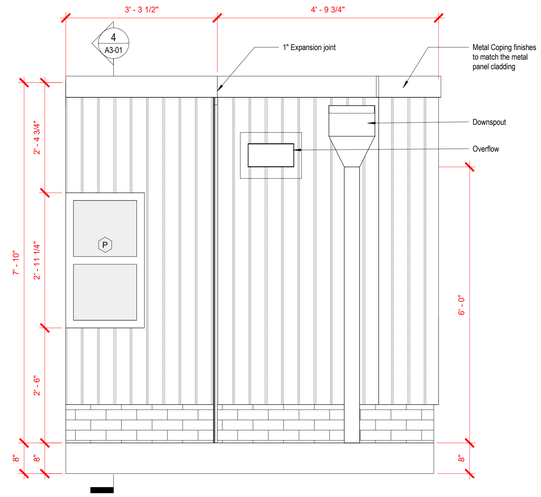
4 WALL SECTION B - INTEGRATED MOCKUP
SCALE: 3/4" = 1'-0"



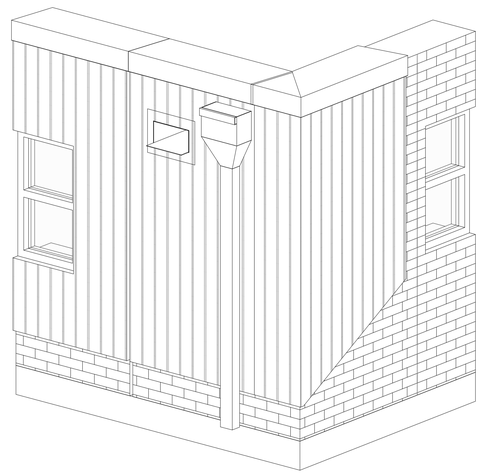
6 WALL SECTION A - INTEGRATED MOCKUP
SCALE: 3/4" = 1'-0"



3 ENLARGED ELEVATION SIDE A - INTEGRATED MOCK UP
SCALE: 3/4" = 1'-0"



5 ENLARGED ELEVATION SIDE B - INTEGRATED MOCK UP
SCALE: 3/4" = 1'-0"



8 AXONOMETRIC - INTEGRATED MOCKUP
SCALE:

GENERAL SHEET NOTES

A. Do not scale drawings. Use figure dimensions only.

B. Grade beam and Foundation, refer structural drawings.

KEYNOTES

SHEET NOTES

Bid and Permit

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Foodservice Design Professionals
Contact: Sherri Myers
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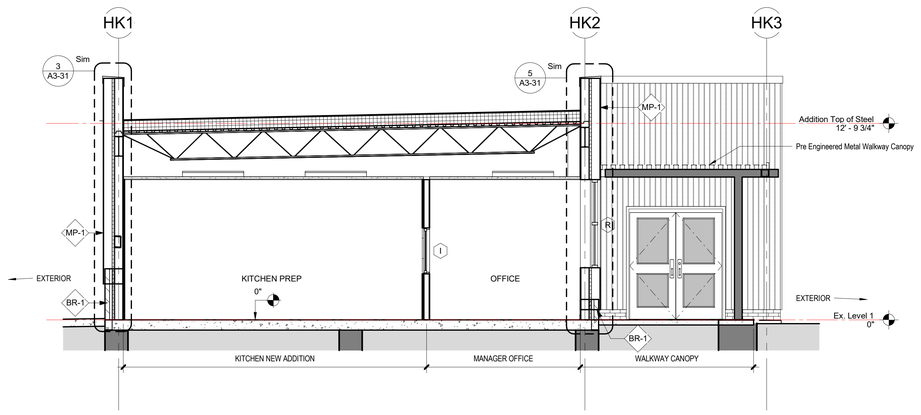
OVERALL BUILDING SECTIONS AND INTEGRATED MOCKUP

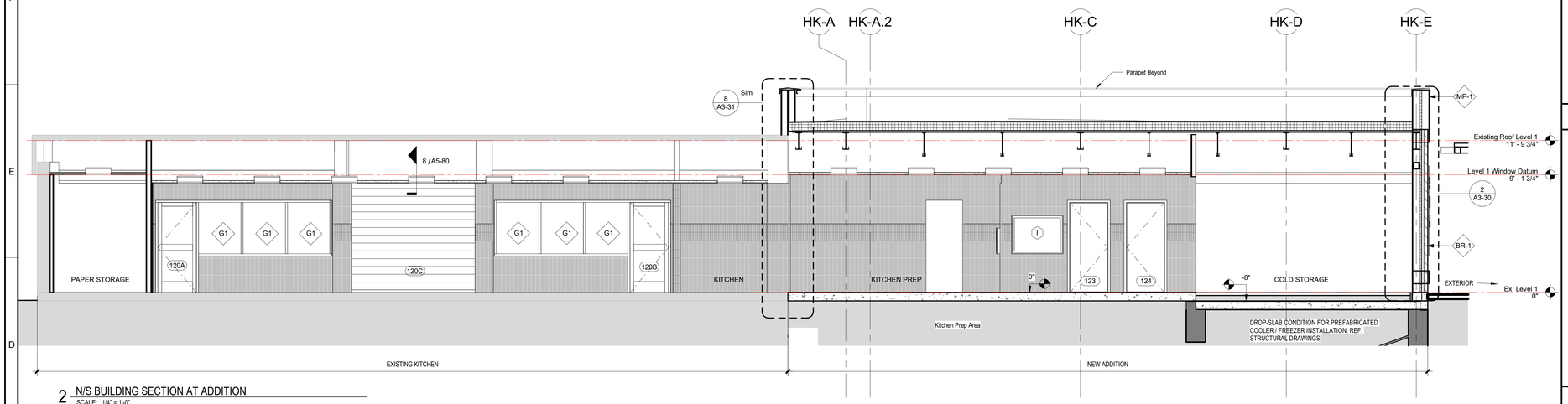
A3-01

SCALE: As indicated

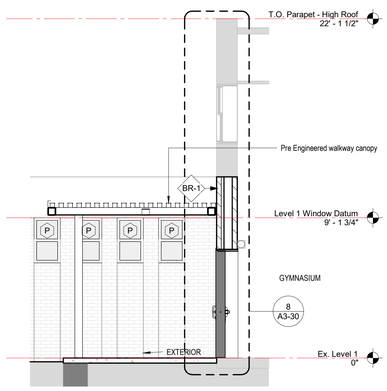
Project Name: ORG. #235 BAES Date:10/18/2024



1 E/W BUILDING SECTION AT ADDITION
SCALE: 1/4" = 1'-0"



2 N/S BUILDING SECTION AT ADDITION
SCALE: 1/4" = 1'-0"



3 SECTION AT GYMNASIUM AND CANOPY
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

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B. Grade beam and Foundation, refer structural drawings.

KEYNOTES

SHEET NOTES

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ISSUES & REVISIONS

No.	Date	Revision
C	2/9/2024	50% Construction Documents
D	06/13/2025	95% Construction Documents
E	01/16/2026	Permit Review Set
F	02/22/2026	Bid and Permit Set

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
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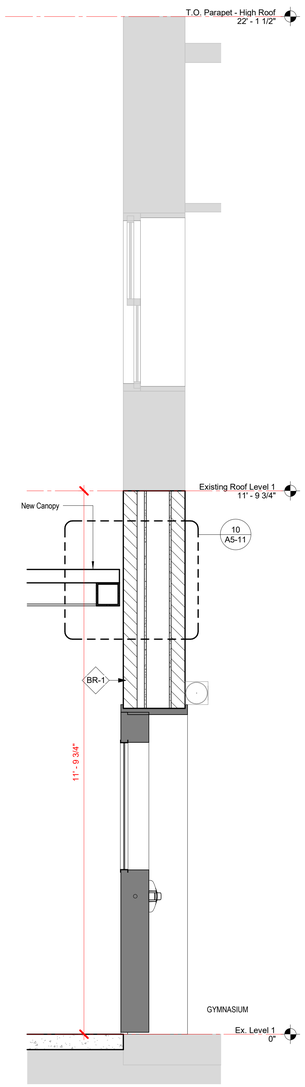
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

BUILDING SECTIONS - KITCHEN ADDITION

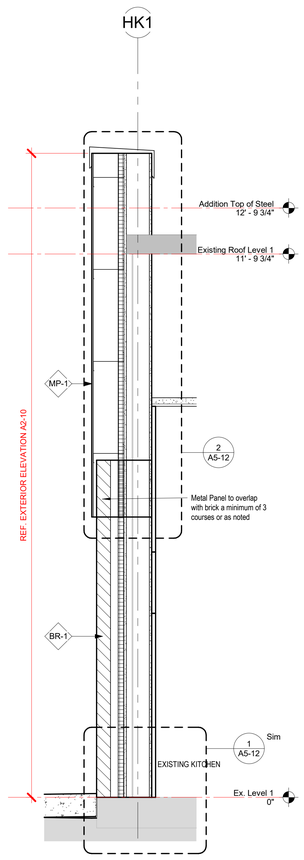
A3-10

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

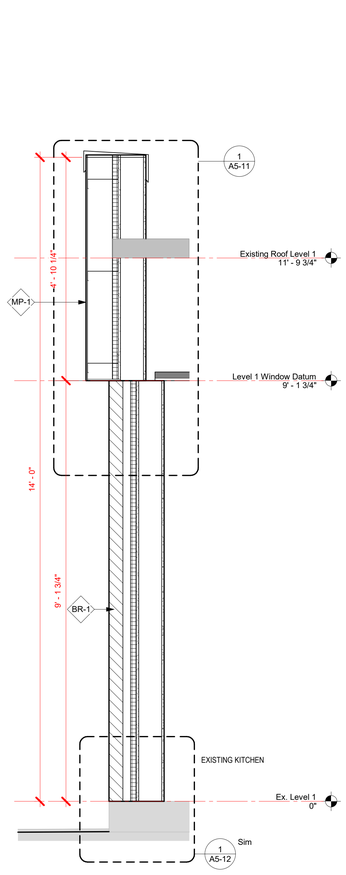
Project Name: ORG. #235 BAES Date:10/18/2024



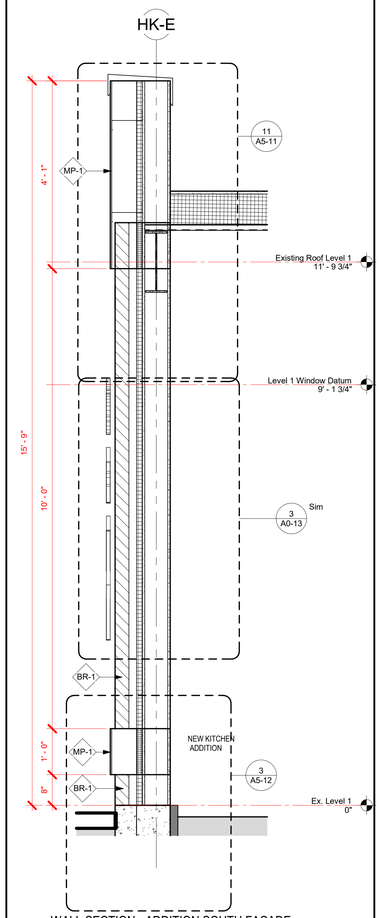
8 WALL SECTION - NEW GYM WALL
SCALE: 3/4" = 1'-0"



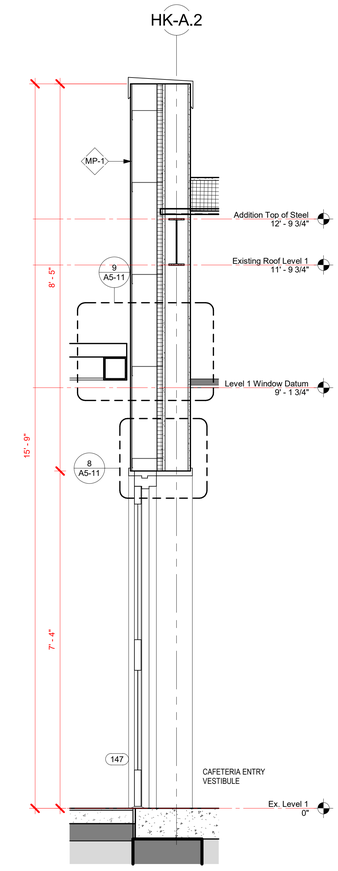
4 WALL SECTION - EXISTING KITCHEN WEST FACADE
SCALE: 3/4" = 1'-0"



3 WALL SECTION - EXISTING KITCHEN NORTH FACADE
SCALE: 3/4" = 1'-0"



2 WALL SECTION - ADDITION SOUTH FACADE
SCALE: 3/4" = 1'-0"



7 WALL SECTION - CAFETERIA ENTRY VESTIBULE
SCALE: 3/4" = 1'-0"

GENERAL SHEET NOTES

A. Do not scale drawings. Use figure dimensions only.

B. Refer to sheet A6-10, A6-20, A6-21 for exterior glazing types.

C. Opening dimensions are to rough openings, unless noted otherwise.

D. Existing windows to be replaced in the exact opening, unless otherwise mentioned.

E. Replace rod and sealants in all vertical control joints in building facade masonry.

F. All exterior painted metal including hand rails and steel members to be replained.

G. Grade beam and Foundation, refer structural drawings.

H. Refer roof sheets for through wall scupper/ collector head detail at metal wall panel.

I. All bricks to be power washed unless noted otherwise.

J. Exterior painted existing metal including hand rails and steel members to be repainted.

KEYNOTES

SHEET NOTES

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

Interim Review
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02.22.2026

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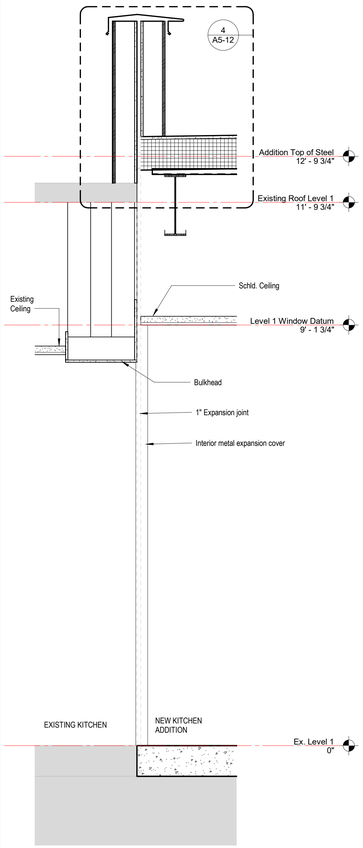
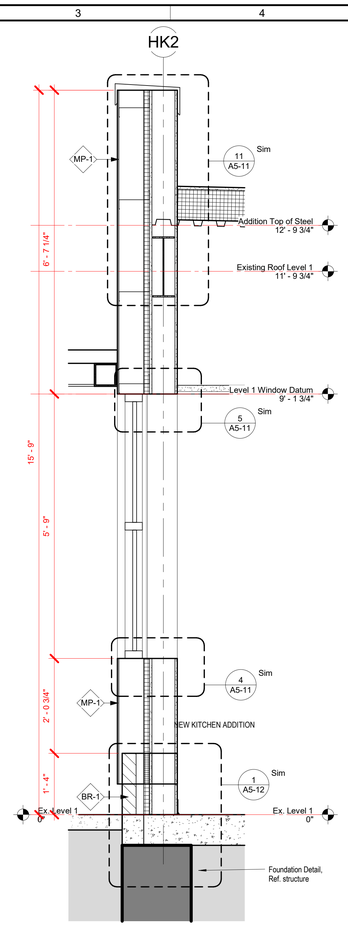
WALL SECTIONS

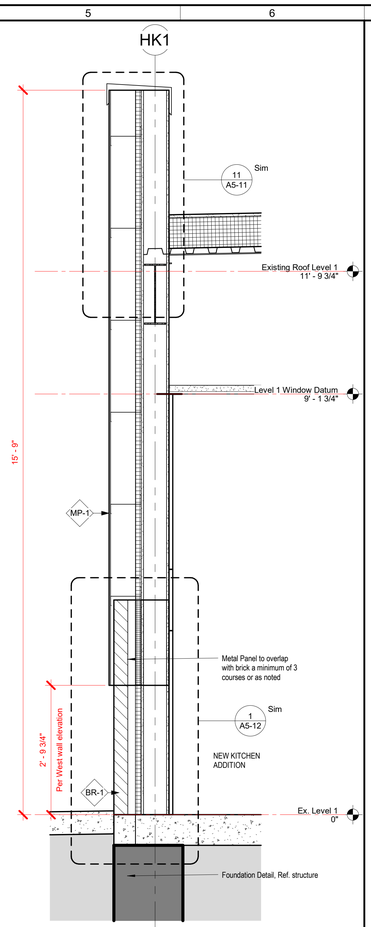
A3-30
SCALE: As indicated



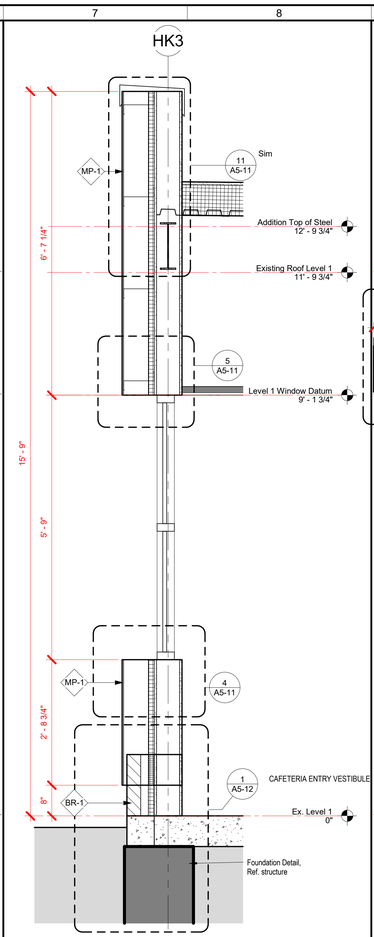
8 EXPANSION JOINT - EXISTING AND NEW ADDITION
SCALE: 3/4" = 1'-0"



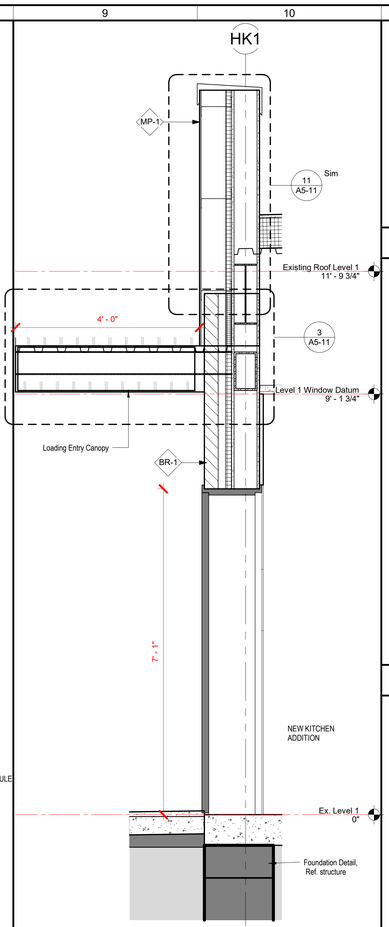
5 WALL SECTION @ NEW ADDITION WINDOW
SCALE: 3/4" = 1'-0"



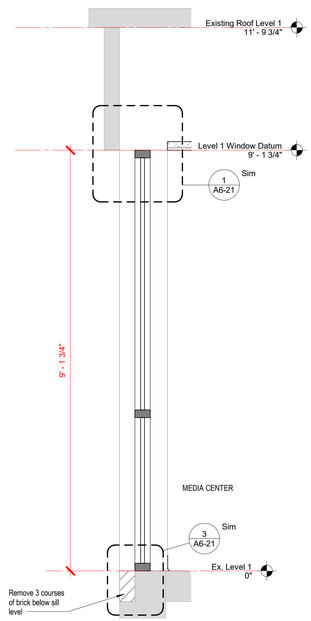
3 WALL SECTION - ADDITION WEST
SCALE: 3/4" = 1'-0"



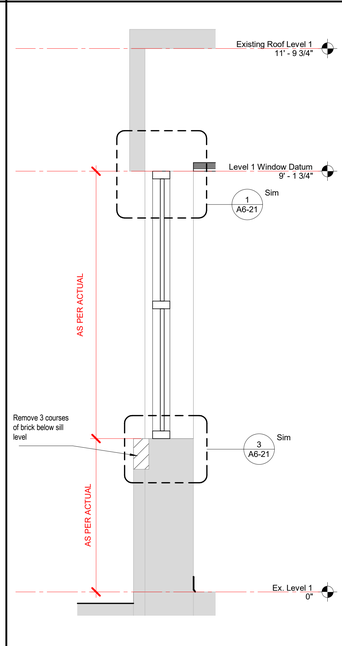
7 WALL SECTION - CAFETERIA VESIBULE
SCALE: 3/4" = 1'-0"



1 WALL SECTION - ADDITION LOADING ENTRY CANOPY
SCALE: 3/4" = 1'-0"



6 WALL SECTION - ENLARGED MEDIA CENTER WINDOWS
SCALE: 3/4" = 1'-0"



4 WALL SECTION - CAFETERIA SOUTH FACADE
SCALE: 3/4" = 1'-0"

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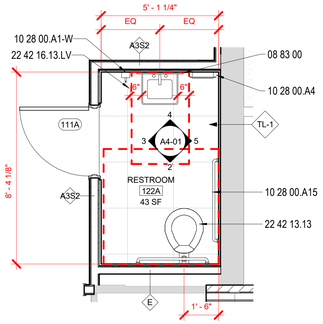
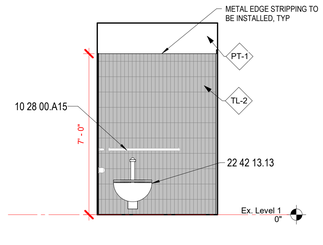
WALL SECTIONS

A3-31

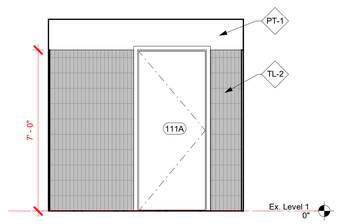
SCALE: As indicated



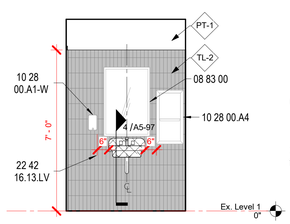
1 ENLARGED FLOOR PLAN - RESTROOM 153C
SCALE: 3/8" = 1'-0"



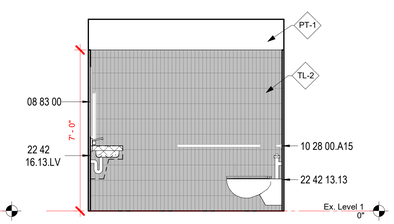
2 INTERIOR ELEVATION - RR 153C SOUTH
SCALE: 3/8" = 1'-0"



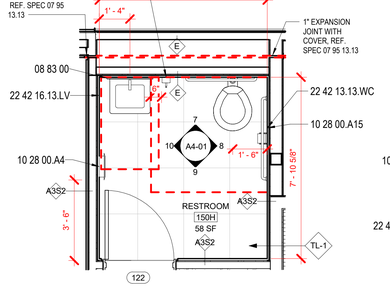
3 INTERIOR ELEVATION - RR 153C WEST
SCALE: 3/8" = 1'-0"



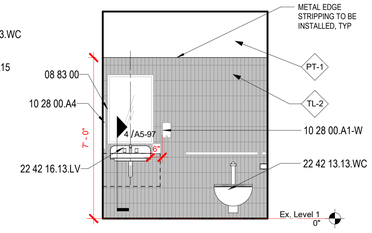
4 INTERIOR ELEVATION - RR 153C NORTH
SCALE: 3/8" = 1'-0"



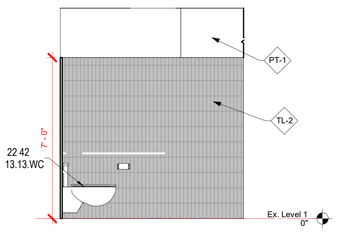
5 INTERIOR ELEVATION - RR 153C EAST
SCALE: 3/8" = 1'-0"



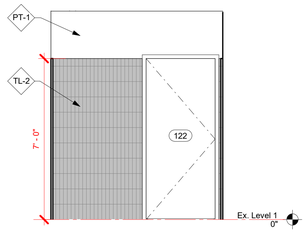
6 ENLARGED FLOOR PLAN - RESTROOM 902B
SCALE: 3/8" = 1'-0"



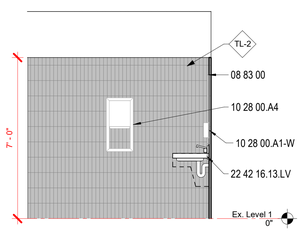
7 INTERIOR ELEVATION - RR 902B NORTH
SCALE: 3/8" = 1'-0"



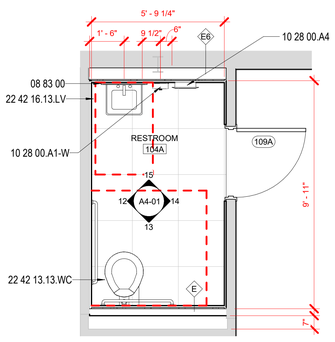
8 INTERIOR ELEVATION - RR 902B EAST
SCALE: 3/8" = 1'-0"



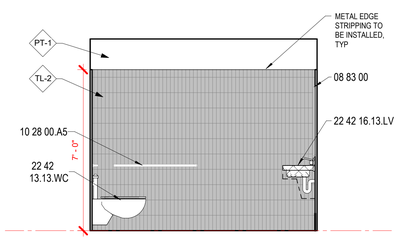
9 INTERIOR ELEVATION - RR 902B SOUTH
SCALE: 3/8" = 1'-0"



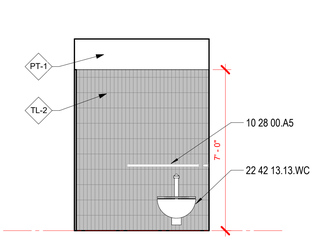
10 INTERIOR ELEVATION - RR 902B WEST
SCALE: 3/8" = 1'-0"



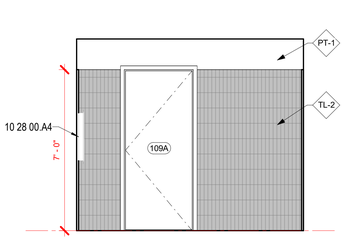
11 ENLARGED FLOOR PLAN - RESTROOM 133A
SCALE: 3/8" = 1'-0"



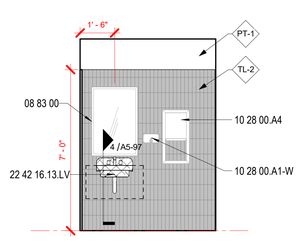
12 INTERIOR ELEVATION - RR 133A WEST
SCALE: 3/8" = 1'-0"



13 INTERIOR ELEVATION - RR 133A SOUTH
SCALE: 3/8" = 1'-0"



14 INTERIOR ELEVATION - RR 133A EAST
SCALE: 3/8" = 1'-0"



15 INTERIOR ELEVATION - RR 133A NORTH
SCALE: 3/8" = 1'-0"

GENERAL SHEET NOTES

A. Do not scale drawings. Use figure dimensions only.

B. Verify all dimensions and existing conditions before proceeding with work.

C. The note "No Work in This Area" is a general statement. Some MEP work and architectural work may be required in these areas to complete a system to operational status, for minor renovation, for touch up work, or for verification of existing conditions (i.e. previously inaccessible areas) pertinent to the scope of work. Verification of such a condition may or may not impact the project and will be evaluated on a case by case basis.

D. Refer to sheet **G0-04** for partition types.

E. All partition types as noted.

F. Where enlarged plans or partial plans are referenced, dimensions, notes, special detailing, and finish requirements are noted on the reference sheets and are omitted on the smaller scale plans.

G. Where openings are located immediately adjacent to a perpendicular wall, locate 5" from the adjoining wall to allow for double studs, gypsum board, shims & frame.

H. Provide 1'-6" clearance between latch side of in-swing doors and adjacent perpendicular walls.

I. Refer to sheet A5-91, A5-95, A5-97 for cabinet types.

J. Refer to sheet G0-04, G0-05_ for standard mounting heights.

K. Where any equipment is wall mounted, provide blocking in wall.

L. GC to coordinate installations of vendor installed equipment.

M. Provide access panels in toilet rooms as required by code & authorities having jurisdiction over the project. Coordinate panel location with design team prior to installation.

N. Where specific dimensions are not included at column furring:
-Align face of furring w/ adjacent partition or construction, or
-Minimize protrusion of furring into the space.
***if in doubt, request written clarification from architect prior to proceeding.**

O. All interior dimensions are from finished face or centerline of column.

P. Only the areas described in the Project Scope have been field verified. "Field Verify" means that existing partitions have been partially located. Most of the architectural elements and MEP items have been located. Areas that are concealed or otherwise not accessible have not been verified. Other areas in the building not in the Project Scope have not been field verified. The part shown in the renovated areas are derived from Owner provided documents. The existing smoke compartment square footages are derived from Owner provided documents. Revisions to this square footage are based on this information.

Q. At wet wall locations use cement backer board.

R. Provide aluminum finishing at all tile edge transition locations.

S. New window coverings to be provided for all (new and existing) windows, uno. Ref: specification Sec 122113 in specs.

SHEET NOTES

08 83 00	Mirrors CFCI
10 28 00.A1-W	Soap Dispenser, Wall-Mounted, Typical, OFOI
10 28 00.A4	Paper Towel Dispenser, Typical, OFOI
10 28 00.A5	Single Line Grab-Bar, Typical, CFCI
10 28 00.A15	Grab Bars, at Ambulatory-Accesible Watercloset, CFCI
22 42 13.13	Commercial Water Closets
22 42 13.13.WC	Wall-Mounted Water Closet, Refer to Plumbing
22 42 16.13.LV	Wall-Mounted Lavatory, Refer to Plumbing

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T: 214-625-5803

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Karl Schaak, PE, RRC
T: 281-827-9250

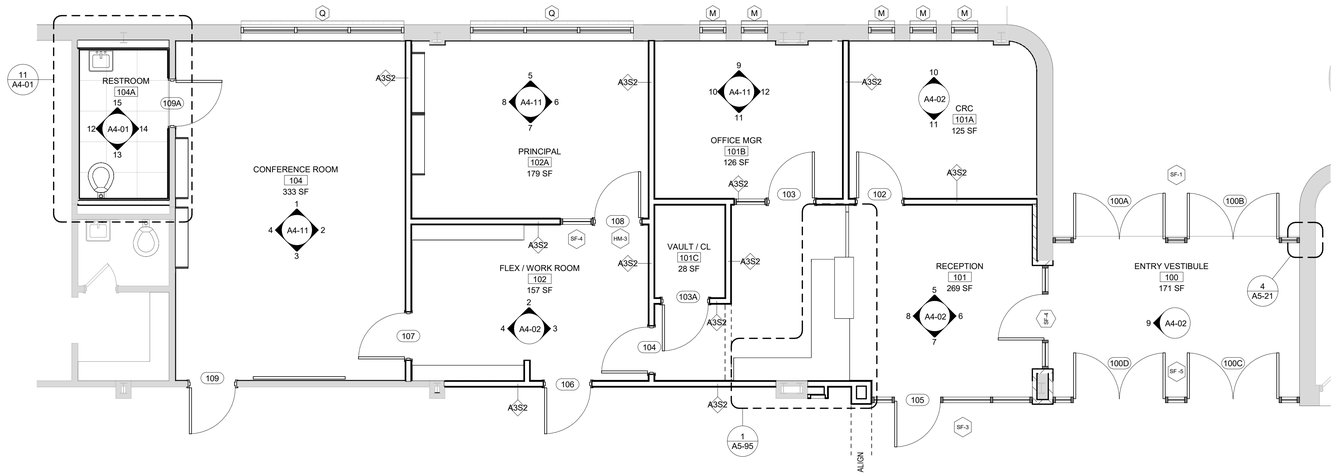
IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

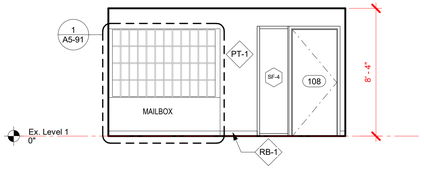
ENLARGED PLANS & INTERIOR ELEVATIONS - RESTROOMS

A4-01

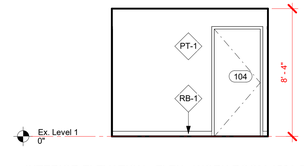
SCALE: As indicated



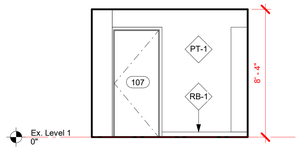
1 ENLARGED FLOOR PLAN- ADMIN SUITE
SCALE: 1/4" = 1'-0"



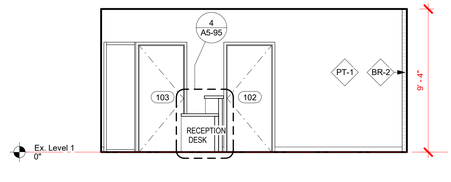
2 INTERIOR ELEVATION - FLEX / WORK ROOM 150A NORTH
SCALE: 1/4" = 1'-0"



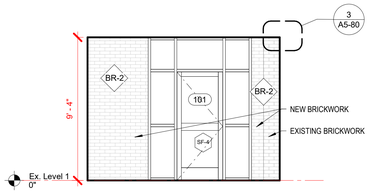
3 INTERIOR ELEVATION - FLEX / WORK ROOM 150A EAST
SCALE: 1/4" = 1'-0"



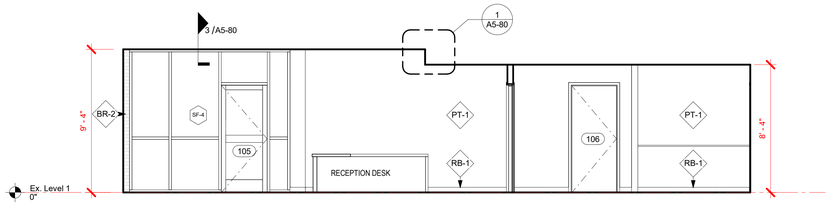
4 INTERIOR ELEVATION - FLEX/ WORK ROOM 150A WEST
SCALE: 1/4" = 1'-0"



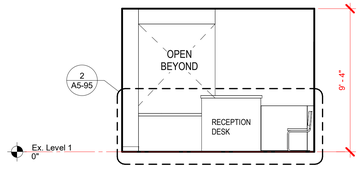
5 INTERIOR ELEVATION - RECEPTION 150A NORTH
SCALE: 1/4" = 1'-0"



6 INTERIOR ELEVATION - RECEPTION 150 EAST
SCALE: 1/4" = 1'-0"

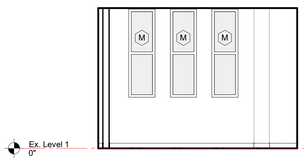


7 INTERIOR ELEVATION - FLEX/ WORK ROOM AND RECEPTION SOUTH
SCALE: 1/4" = 1'-0"

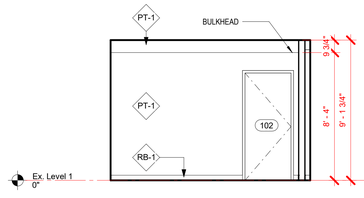


8 INTERIOR ELEVATION - RECEPTION 150 WEST
SCALE: 1/4" = 1'-0"

9 INTERIOR ELEVATION - ENTRY VESTIBULE 132E WEST
SCALE: 1/4" = 1'-0"



10 INTERIOR ELEVATION - CRC 150E NORTH
SCALE: 1/4" = 1'-0"



11 INTERIOR ELEVATION - CRC 150E SOUTH
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

A. Do not scale drawings. Use figure dimensions only.

B. Locate all wall mounted equipments, including fire extinguisher cabinets and all other miscellaneous equipment in compliance with code. Co ordinate equipment not shown on interior elevation with Architect prior to installation.

C. Refer to sheet --- for casework types and elevations.

D. Furniture and owner provided equipment shown for reference only.

KEYNOTES

SHEET NOTES

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

Interim Review
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02.22.2026

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ISSUES & REVISIONS

No.	Date	Revision
D	06/13/2025	95% Construction Documents
E	01/16/2026	Permit Review Set
F	02/22/2026	Bid and Permit Set

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Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
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Contact: Corey Nelson
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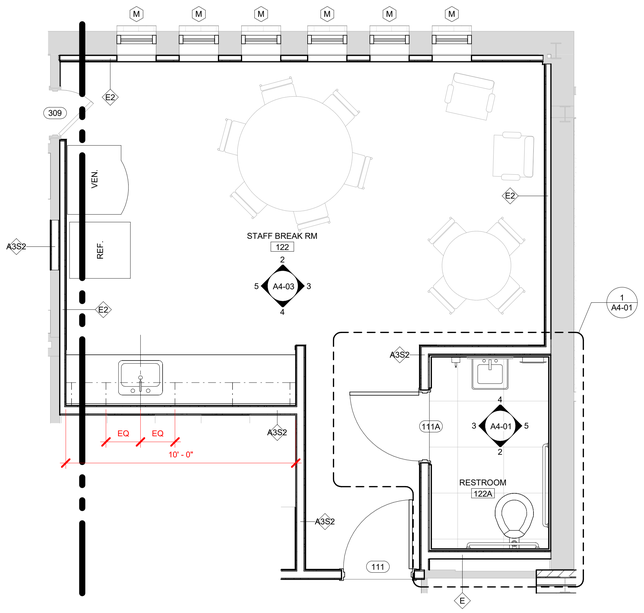
Contact: Sherri Myers
T: 972-245-5300

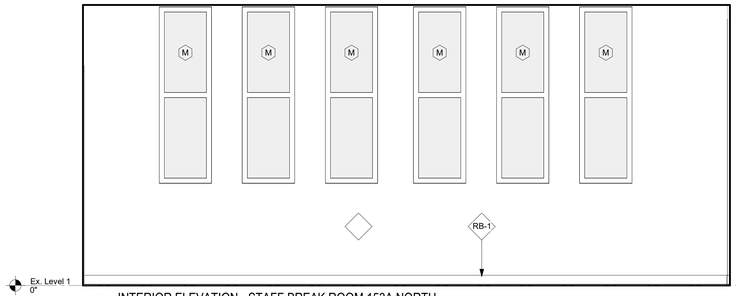
ENLARGED PLANS & INTERIOR ELEVATIONS - ADMIN. SUITE

A4-02

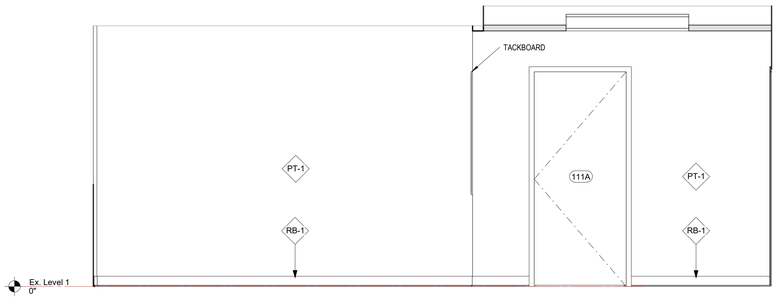
SCALE: As indicated



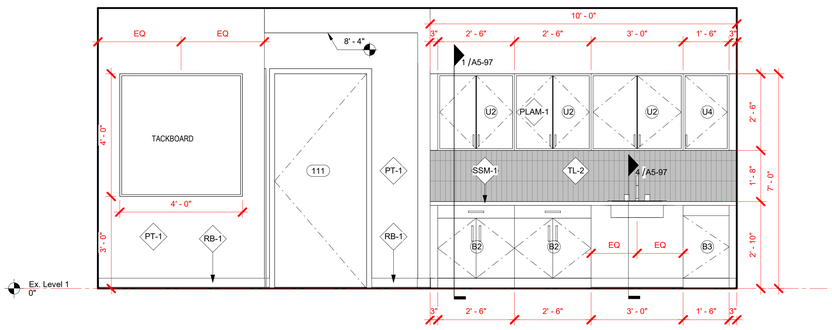
1 ENLARGED FLOOR PLAN - STAFF BREAK ROOM 153A
SCALE: 3/8" = 1'-0"



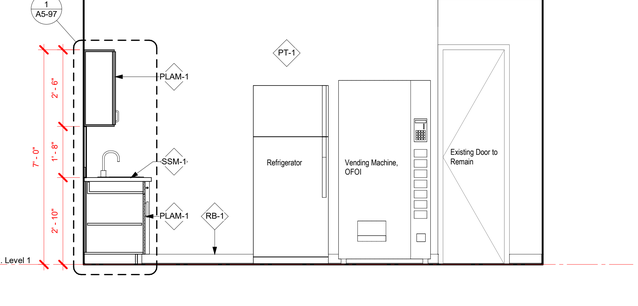
2 INTERIOR ELEVATION - STAFF BREAK ROOM 153A NORTH
SCALE: 1/2" = 1'-0"



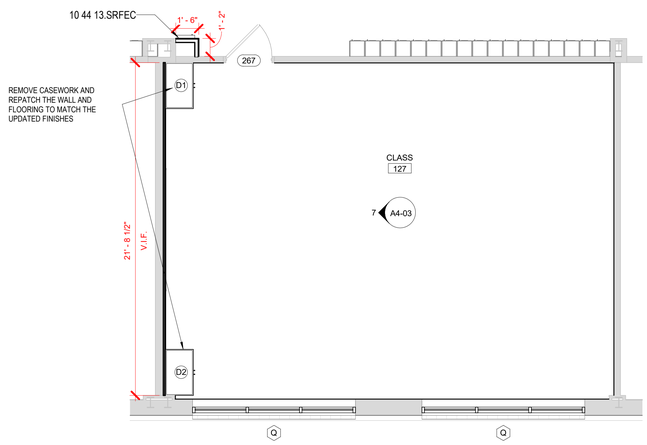
3 INTERIOR ELEVATION - STAFF BREAK ROOM 153A EAST
SCALE: 1/2" = 1'-0"



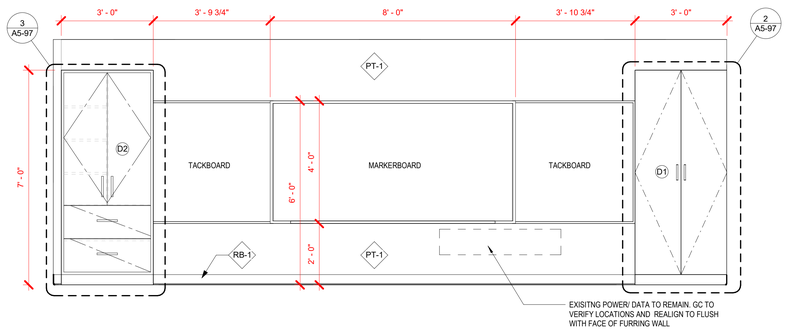
4 INTERIOR ELEVATION - STAFF BREAK ROOM SOUTH
SCALE: 1/2" = 1'-0"



5 INTERIOR ELEVATION - STAFF BREAK ROOM 153A WEST
SCALE: 1/2" = 1'-0"



6 ENLARGED FLOOR PLAN - TYPICAL CLASSROOM
SCALE: 1/4" = 1'-0"



7 INTERIOR ELEVATION - TYPICAL CLASSROOM TEACHING WALL
SCALE: 1/2" = 1'-0"

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D. Refer to sheet **G0-04** for partition types.

E. All partition types as noted.

F. Where enlarged plans or partial plans are referenced, dimensions, notes, special detailing, and finish requirements are noted on the reference sheets and are omitted on the smaller scale plans.

G. Where openings are located immediately adjacent to a perpendicular wall, locate 5" from the adjoining wall to allow for double studs, gypsum board, shims & frame.

H. Provide 1'-6" clearance between latch side of in-swing doors and adjacent perpendicular walls.

I. Refer to sheet A5-91, A5-95, A5-97 for cabinet types.

J. Refer to sheet G0-04, G0-05_ for standard mounting heights.

K. Where any equipment is wall mounted, provide blocking in wall.

L. GC to coordinate installations of vendor installed equipment.

M. Provide access panels in toilet rooms as required by code & authorities having jurisdiction over the project. Coordinate panel location with design team prior to installation.

N. Where specific dimensions are not included at column furring:
-Align face of furring w/ adjacent partition or construction, or
-Minimize protrusion of furring into the space.
***if in doubt, request written clarification from architect prior to proceeding.**

O. All interior dimensions are from finished face or centerline of column.

P. Only the areas described in the Project Scope have been field verified. "Field Verify" means that existing partitions have been partially located. Most of the architectural elements and MEP items have been located. Areas that are concealed or otherwise not accessible have not been verified. Other areas in the building not in the Project Scope have not been field verified. The part shown in the renovated areas are derived from Owner provided documents. The existing smoke compartment square footages are derived from Owner provided documents. Revisions to this square footage are based on this information.

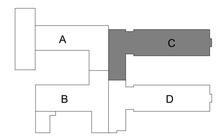
Q. At wet wall locations use cement backer board.

R. Provide aluminum finishing at all tile edge transition locations.

S. New window coverings to be provided for all (new and existing) windows, uno. Ref: specification Sec 122113 in specs.

SHEET NOTES

KEY PLAN



N

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
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Dallas, TX 75207
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02.22.2026

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E	01/16/2026	Permit Review Set
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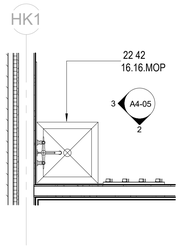
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

ENLARGED PLANS - STAFF BREAK ROOM AND TYPICAL CLASSROOM

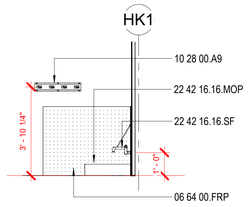
A4-03

SCALE: As indicated

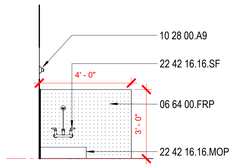
Project Name: ORG. #235 BAES Date:10/18/2024



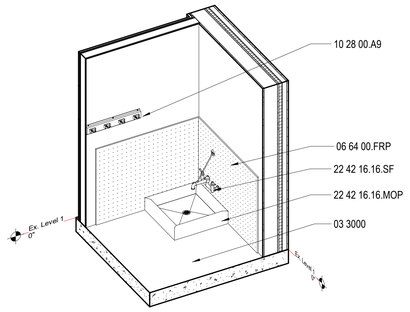
1 ENLARGED FLOOR PLAN - MOP SINK 902A
SCALE: 1/2" = 1'-0"



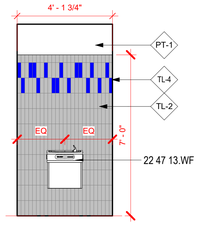
2 INTERIOR ELEVATION - MOP SINK 902A SOUTH
SCALE: 3/8" = 1'-0"



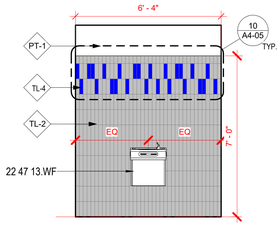
3 INTERIOR ELEVATION - MOP SINK 902A WEST
SCALE: 3/8" = 1'-0"



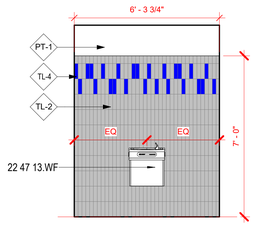
4 3D VIEW MOP SINK 902A
SCALE:



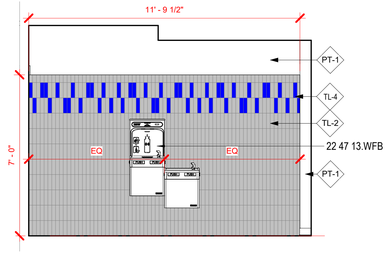
5 ELEVATION - DRINKING FOUNTAIN CORRIDOR A2
SCALE: 3/8" = 1'-0"



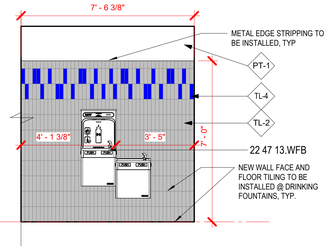
6 ELEVATION - DRINKING FOUNTAIN CORRIDOR A3
SCALE: 3/8" = 1'-0"



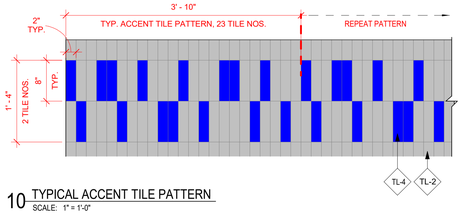
7 ELEVATION - DRINKING FOUNTAIN CORRIDOR A1
SCALE: 3/8" = 1'-0"



8 ELEVATION - DRINKING FOUNTAIN 1 CAFETERIA 171
SCALE: 3/8" = 1'-0"



9 ELEVATION - DRINKING FOUNTAIN 2 CAFETERIA 171
SCALE: 3/8" = 1'-0"



10 TYPICAL ACCENT TILE PATTERN
SCALE: 1" = 1'-0"

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D. Refer to sheet **G0-04** for partition types.

E. All partition types as noted.

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H. Provide 1'-6" clearance between latch side of in-swing doors and adjacent perpendicular walls.

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R. Provide aluminum finishing at all tile edge transition locations.

S. New window coverings to be provided for all (new and existing) windows, uno. Ref: specification Sec 122113 in specs.

SHEET NOTES

03 3000	
06 64 00.FRP	Glass Fiber Reinforced (FRP) Panel
10 28 00.A9	Mop and Broom Holders and Hooks
22 42 16.16.MOP	Mop Sink, Refer to Plumbing
22 42 16.16.SF	Sink Faucet, Refer to Plumbing
22 47 13.WF	Water Fountain, Refer to Plumbing
22 47 13.WFB	Water Fountain w/ Bottle Filler, Refer to Plumbing

Bid and Permit

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ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

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ISSUES & REVISIONS

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D	06/13/2025	95% Construction Documents
E	01/16/2026	Permit Review Set
F	02/22/2026	Bid and Permit Set

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
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Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
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Contact: Corey Nelson
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Structural:
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MEPCE
Contact: Hunter Harris
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TLC Engineering
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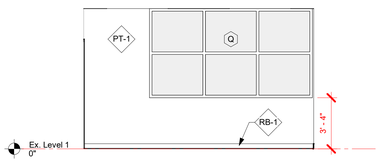
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

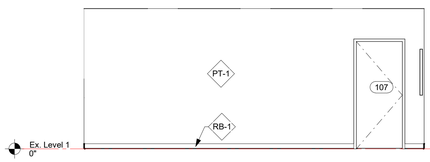
ENLARGED PLANS - MOP SINK, WATER FOUNTAINS, ETC.

A4-05

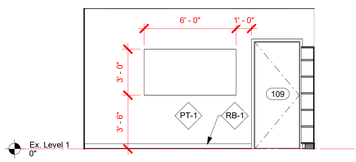
SCALE: As indicated



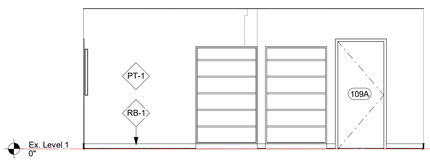
1 INT. ELEVATION - CONFERENCE ROOM 133 NORTH
SCALE: 1/4" = 1'-0"



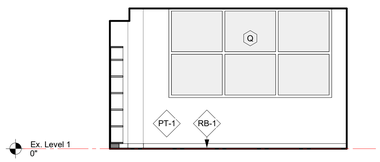
2 INT. ELEVATION - CONFERENCE ROOM 133 EAST
SCALE: 1/4" = 1'-0"



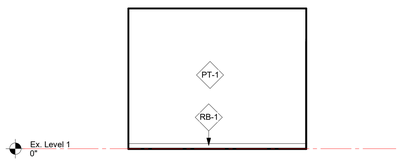
3 INT. ELEVATION - CONFERENCE ROOM 133 SOUTH
SCALE: 1/4" = 1'-0"



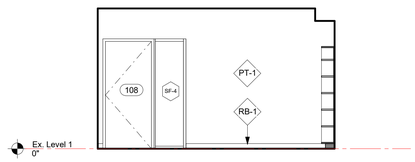
4 INT. ELEVATION - CONFERENCE ROOM 133 WEST
SCALE: 1/4" = 1'-0"



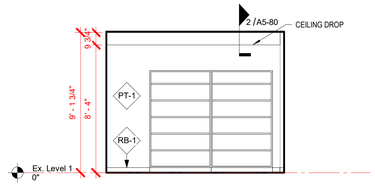
5 INT. ELEVATION - PRINCIPAL OFFICE 150B NORTH
SCALE: 1/4" = 1'-0"



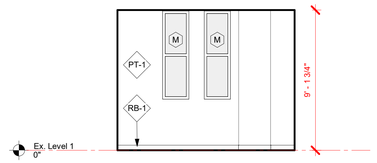
6 INT. ELEVATION - PRINCIPAL OFFICE 150B EAST
SCALE: 1/4" = 1'-0"



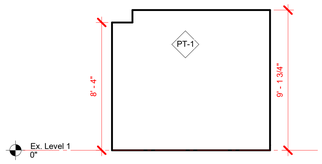
7 INT. ELEVATION - PRINCIPAL OFFICE 150B SOUTH
SCALE: 1/4" = 1'-0"



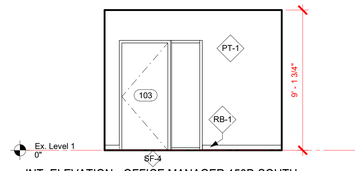
8 INT. ELEVATION - PRINCIPAL OFFICE 150B WEST
SCALE: 1/4" = 1'-0"



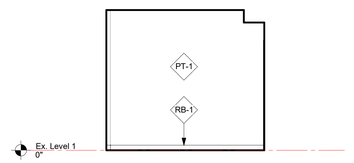
9 INT. ELEVATION - OFFICE MANAGER 150D NORTH
SCALE: 1/4" = 1'-0"



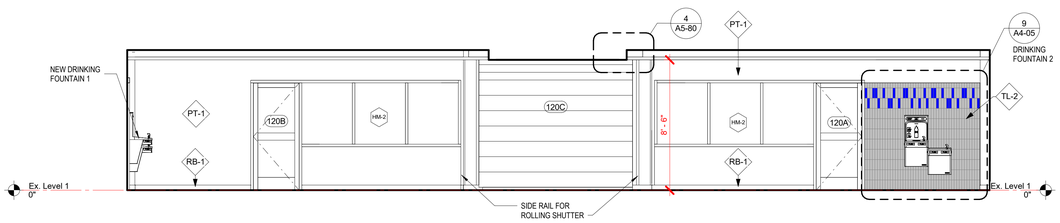
10 INT. ELEVATION - OFFICE MANAGER 150D EAST
SCALE: 1/4" = 1'-0"



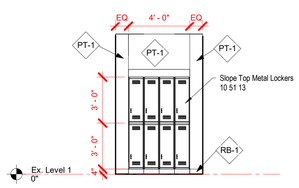
11 INT. ELEVATION - OFFICE MANAGER 150D SOUTH
SCALE: 1/4" = 1'-0"



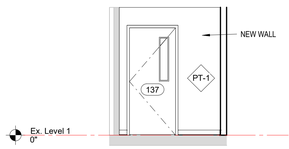
12 INT. ELEVATION - OFFICE MANAGER 150D WEST
SCALE: 1/4" = 1'-0"



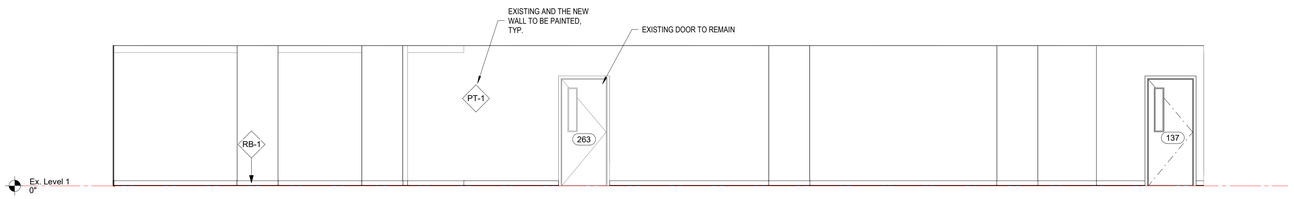
13 INT. ELEVATION - CAFETERIA 170 WEST
SCALE: 1/4" = 1'-0"



14 INT. ELEVATION - LOCKER ROOM C2 EAST
SCALE: 1/4" = 1'-0"



16 ELEVATION - MEDIA ROOM ENTRACE WALL
SCALE: 1/4" = 1'-0"



15 INT. ELEVATION - MEDIA ROOM 111A WEST
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

A. Do not scale drawings. Use figure dimensions only.

B. Locate all wall mounted equipments, including fire extinguisher cabinets and all other miscellaneous equipment in compliance with code. Co ordinate equipment not shown on interior elevation with Architect prior to installation.

C. Refer to sheet --- for casework types and elevations.

D. Furniture and owner provided equipment shown for reference only.

KEYNOTES

SHEET NOTES

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p: 713-229-0688
f: 713-229-0692
Contact: Ben Sauceda

Interim Review
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02.22.2026

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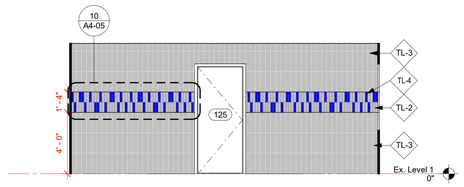
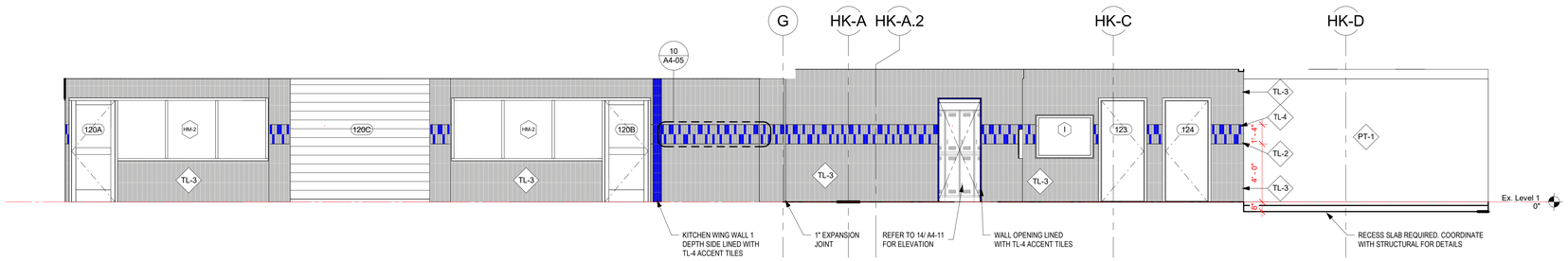
INTERIOR ELEVATIONS

A4-11

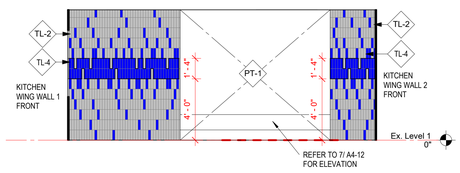
SCALE: As indicated



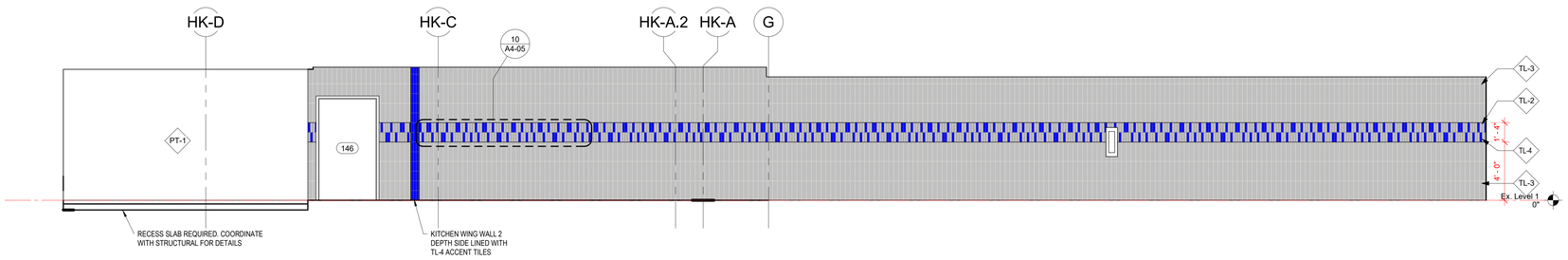
1 INT. ELEVATION - KITCHEN 150B NORTH
SCALE: 1/4" = 1'-0"



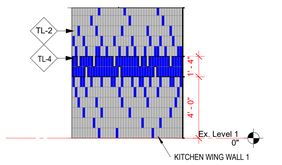
2 INT. ELEVATION - KITCHEN 150B EAST
SCALE: 1/4" = 1'-0"



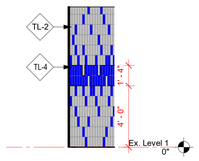
3 INT. ELEVATION - KITCHEN 150B WING WALLS FRONT
SCALE: 1/4" = 1'-0"



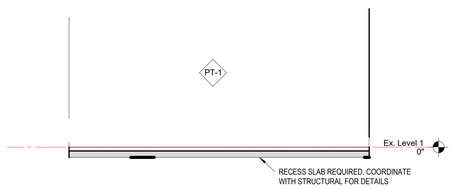
4 INT. ELEVATION - KITCHEN 150B WEST
SCALE: 1/4" = 1'-0"



5 KITCHEN WING WALL 1 - REAR ELEVATION
SCALE: 1/4" = 1'-0"



6 KITCHEN WING WALL 2 - REAR ELEVATION
SCALE: 1/4" = 1'-0"



7 INT. ELEVATION - KITCHEN 150B SOUTH
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
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Interim Review
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02.22.2026

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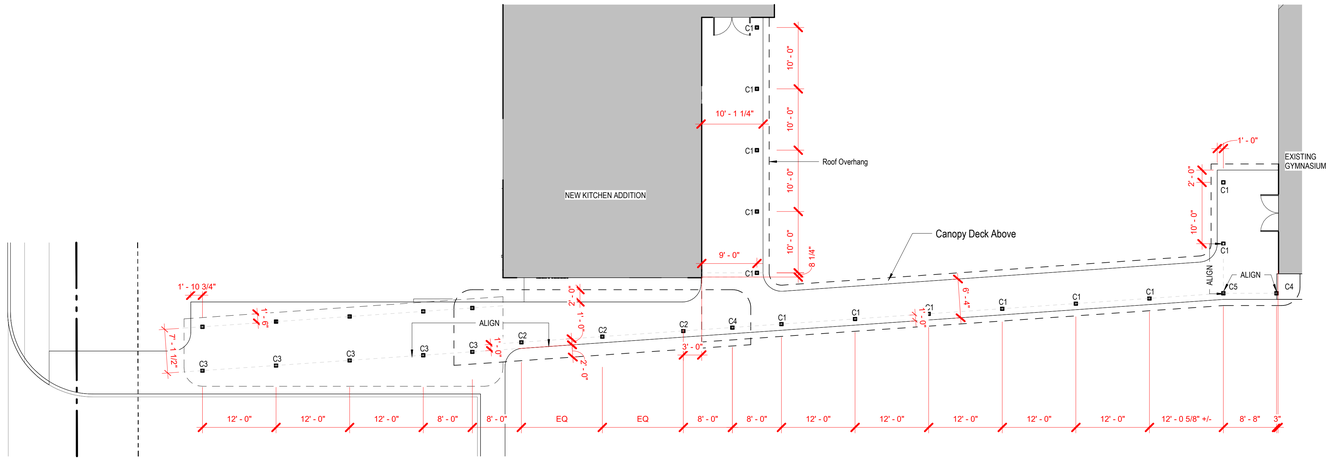
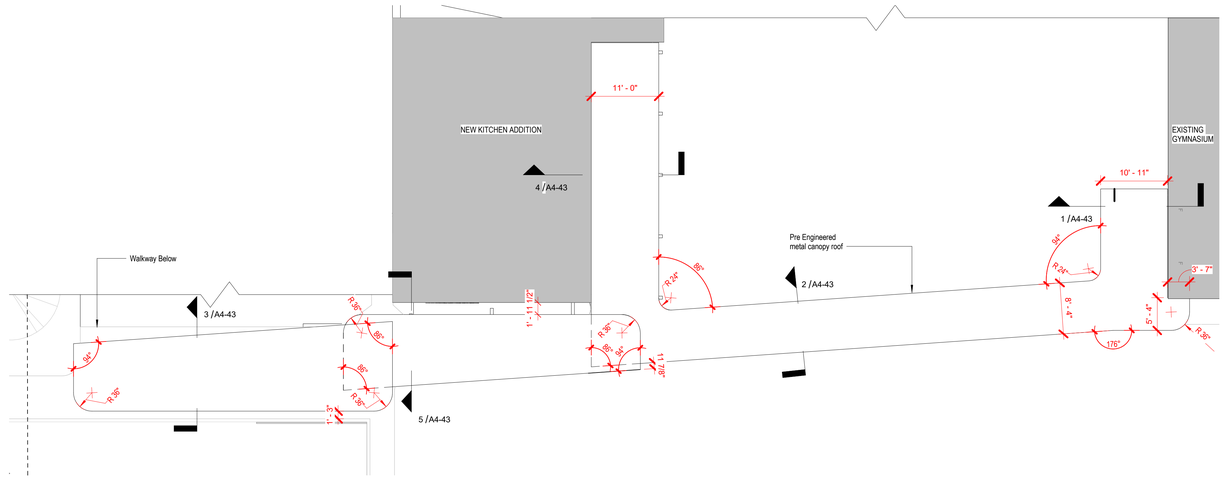
INTERIOR ELEVATIONS

A4-12

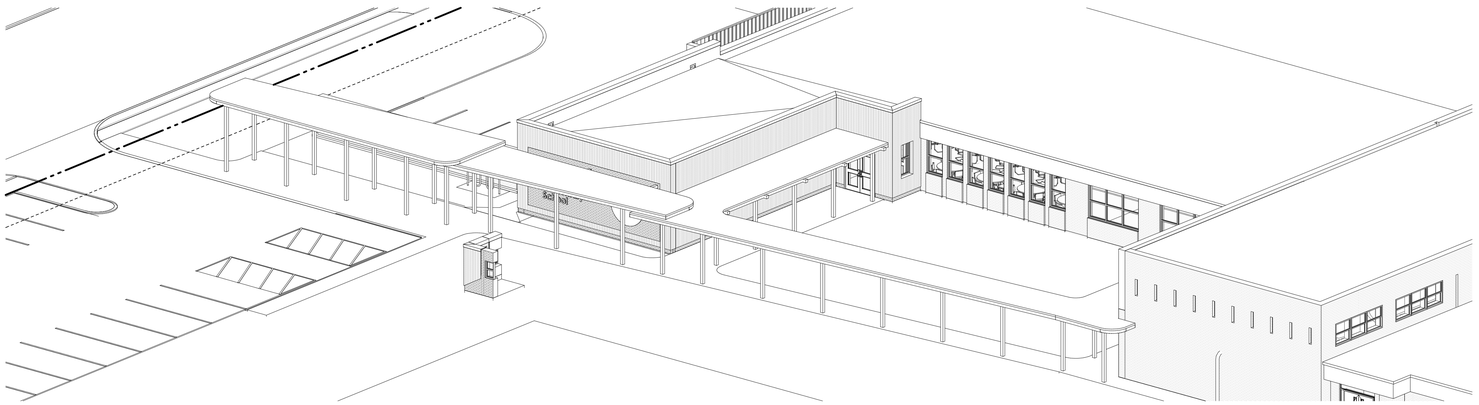
SCALE: 1/4" = 1'-0"



8 LEVEL 1 - SW CANOPY FLOOR PLAN
SCALE: 1" = 10'-0"



6 ROOF LEVEL - SW CANOPY ROOF PLAN
SCALE: 1" = 10'-0"



9 3D SW Canopy
SCALE:

GENERAL SHEET NOTES

A. Do not scale drawings. Use figure dimensions only.

B. Field verify all dimensions and existing conditions before proceeding for work.

C. When enlarged plans or partial plans are referenced, dimensions, notes, special detailing, and finish requirements are noted on the reference sheets and are omitted on the smaller scale plans.

D. G.C. to coordinate installations of vendor installed equipment.

E. Dimensions, penetrations, piping are indicated for general information only and may not represent the actual quantity, size or location of such items and any related accessories. Contractors shall field verify conditions and provide all necessary curbs, supports, flashing and other related components as required for a complete, fully funsctional installations.

F. Details are designated at representative locations. each location and similar condition are to be treated as if each such condition were noted/ indicated.

G. Refer to and coordinate with structural, mchanical, electrical and plumbing drawings and specifications.

H. Refer and coordinate with mechanical, electrical and plumbing drawings and specifications.

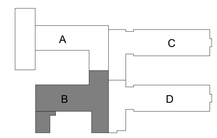
I. Refer to Electrical drawings for Lighting fixtures schedule.

J. ~~Painted finish for the canopy system, Ref. Finish Legend~~

KEYNOTES

SHEET NOTES

KEY PLAN



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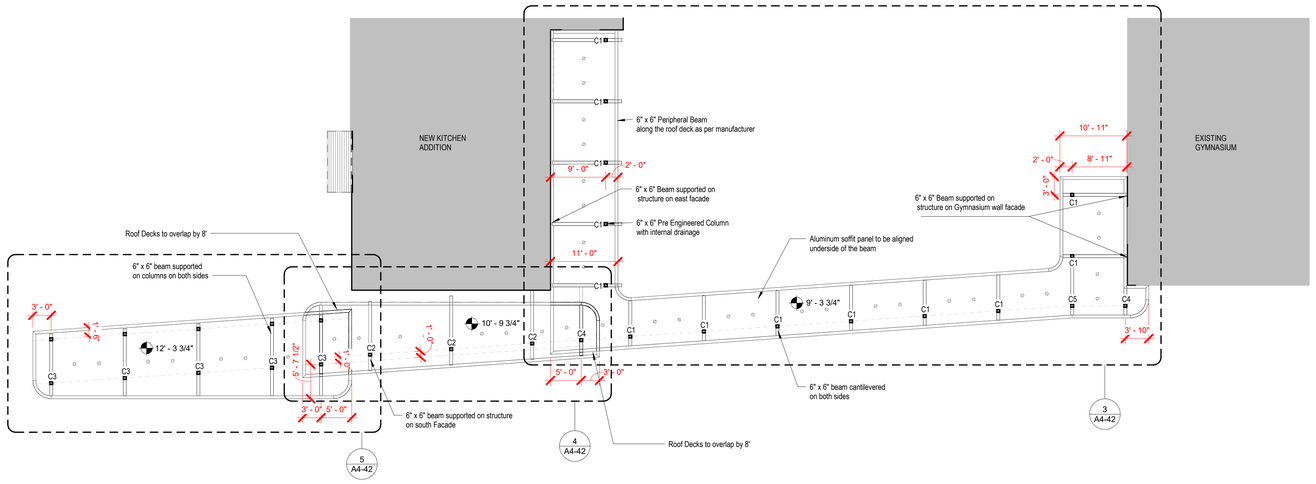
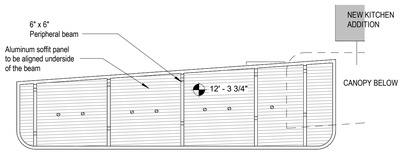
ENLARGED CANOPY PLANS AND RCPs

A4-41

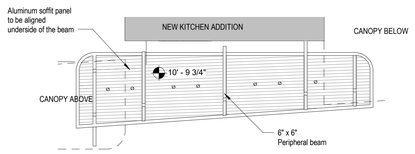
SCALE: As indicated



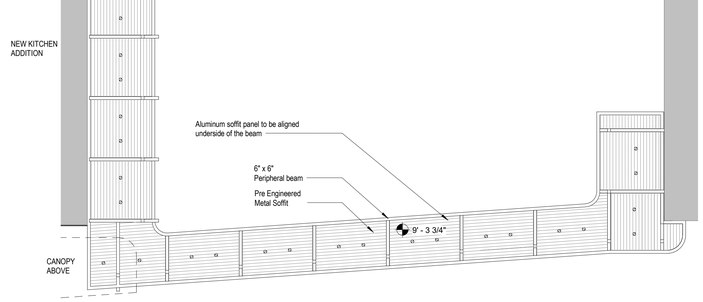
1 LEVEL 1 - SW CANOPIES RCP
SCALE: 1" = 10'-0"



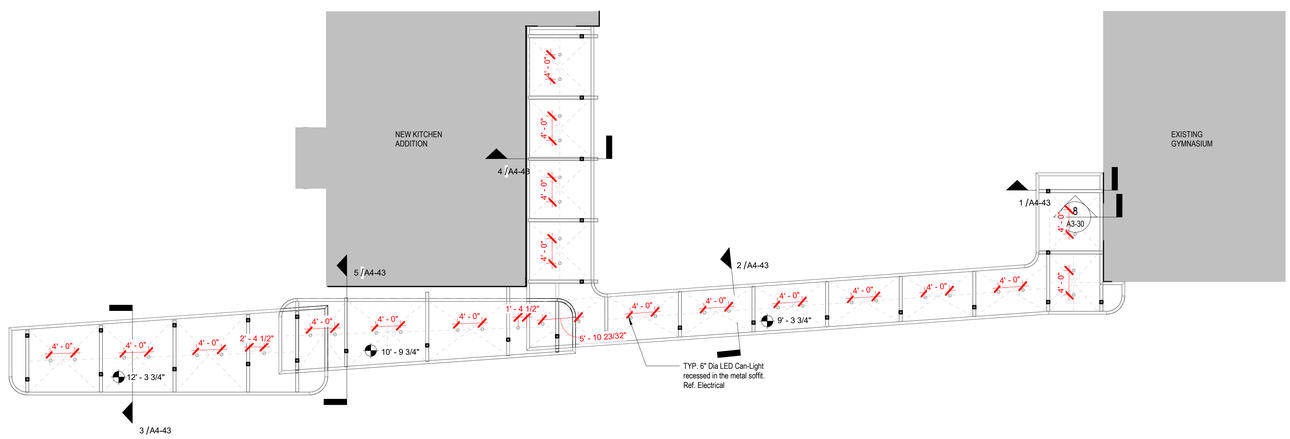
5 SW CANOPY RCP AT LVL 12'- 3 3/4"
SCALE: 1" = 10'-0"



4 SW CANOPY RCP AT LVL 10'-9 3/4"
SCALE: 1" = 10'-0"



3 SW CANOPY RCP AT LVL 9'- 3 3/4"
SCALE: 1" = 10'-0"



2 LEVEL 1 - SW CANOPIES RCP LIGHTING PLAN
SCALE: 1" = 10'-0"

GENERAL SHEET NOTES

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D. G.C. to coordinate installations of vendor installed equipment.

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F. Details are designated at representative locations. each location and similar condition are to be treated as if each such condition were noted/ indicated.

G. Refer to and coordinate with structural, mchanical, electrical and plumbing drawings and specifications.

H. Refer and coordinate with mechanical, electrical and plumbing drawings and specifications.

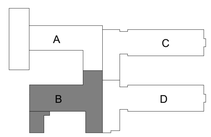
I. Refer to Electrical drawings for Lighting fixtures schedule.

J. Painted finish for the canopy system, Ref. Finish Legend

KEYNOTES

SHEET NOTES

KEY PLAN



Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

Interim Review
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02.22.2026

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Foodservice Design Professionals
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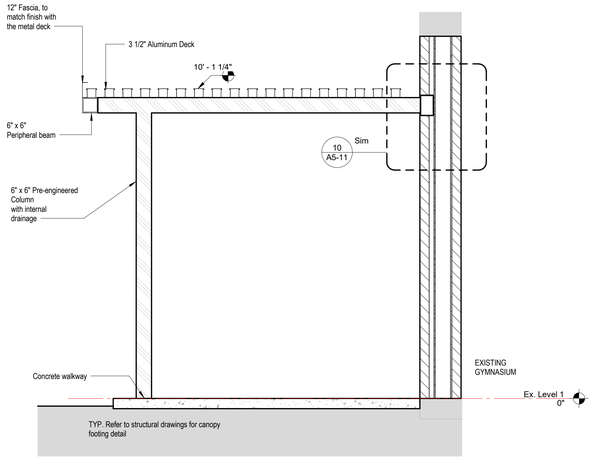
ENLARGED CANOPY PLANS AND RCPs

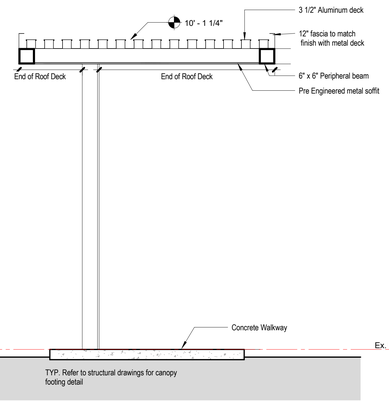
A4-42

SCALE: As indicated

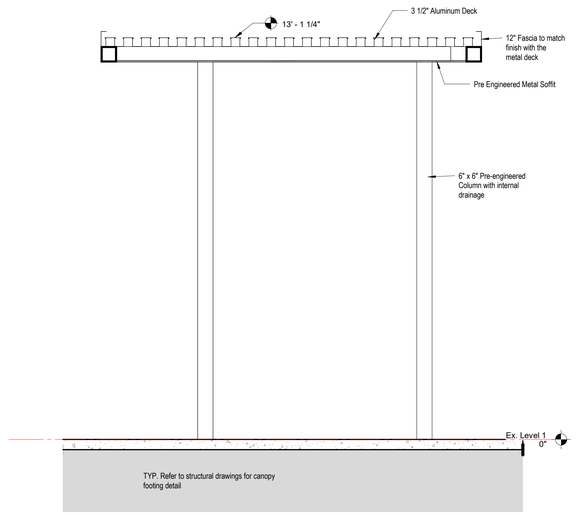
Project Name: ORG. #235 BAES Date:10/18/2024



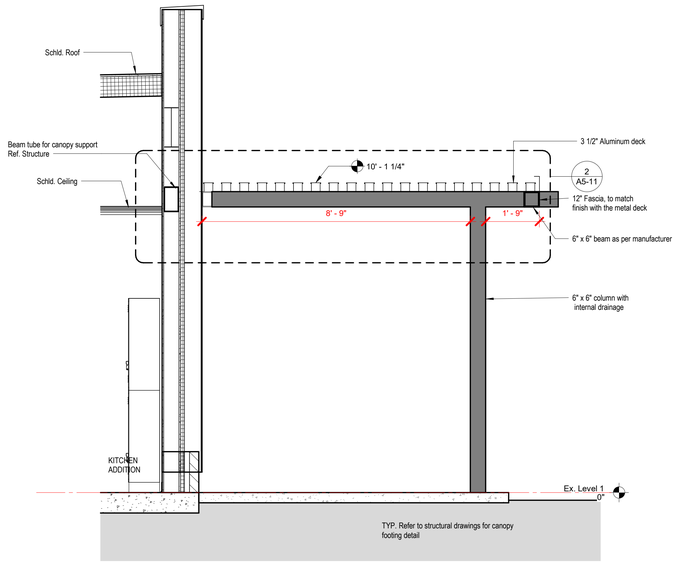
1 CANOPY SECTION 1
SCALE: 1/2" = 1'-0"



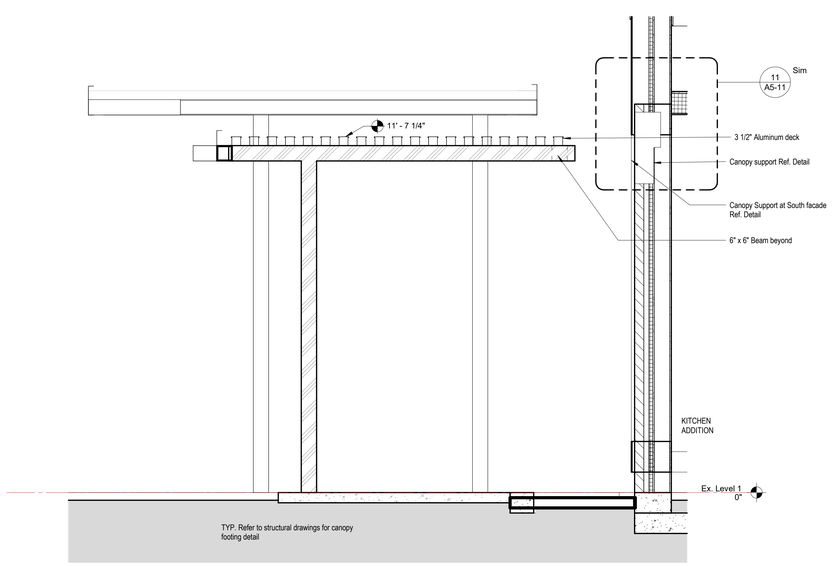
2 CANOPY SECTION 4
SCALE: 1/2" = 1'-0"



3 CANOPY SECTION 2
SCALE: 1/2" = 1'-0"



4 CANOPY SECTION 3
SCALE: 1/2" = 1'-0"



5 CANOPY SECTION 5
SCALE: 1/2" = 1'-0"

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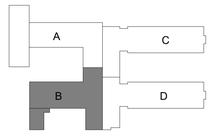
J. Painted finish for the canopy system, Ref. Finish Legend

KEYNOTES

SHEET NOTES

KEY PLAN



N

Bid and Permit

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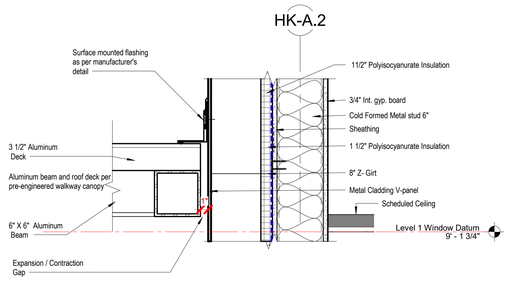
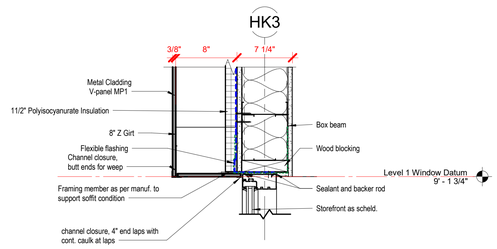
ENLARGED CANOPY PLANS AND RCPs

A4-43

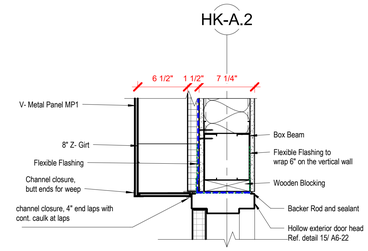
SCALE: As indicated



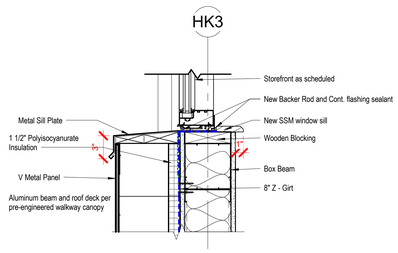
9 DETAIL SECTION @CAFETERIA ENTRY AND CANOPY
SCALE: 1 1/2" = 1'-0"



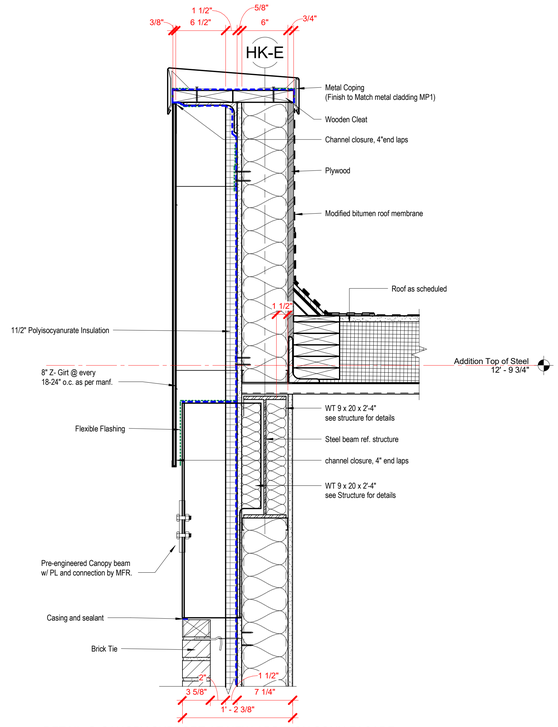
5 DETAIL AT HEAD AND METAL PANEL - NEW KITCHEN ADDITION
SCALE: 1 1/2" = 1'-0"



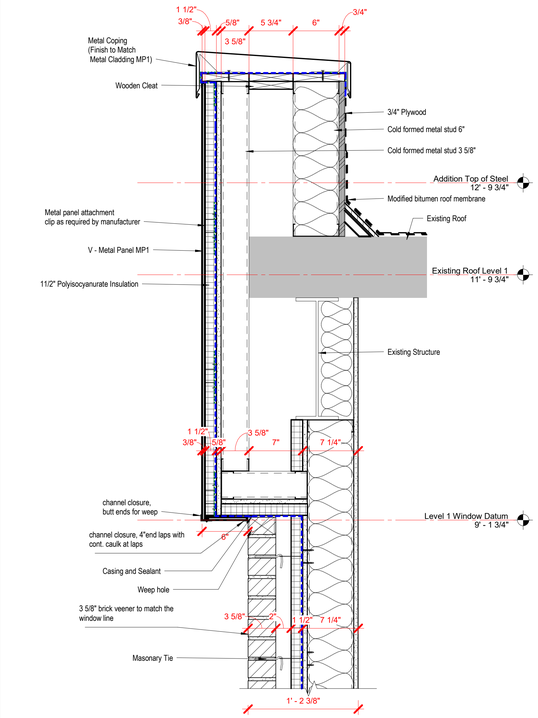
8 Detail @ Cafeteria Entry Vestibule - Door Head Detail
SCALE: 1 1/2" = 1'-0"



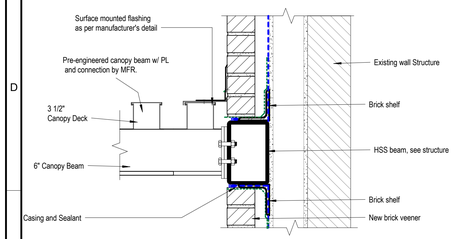
4 DETAIL @ SILL AND METAL PANEL - NEW KITCHEN ADDITION
SCALE: 1 1/2" = 1'-0"



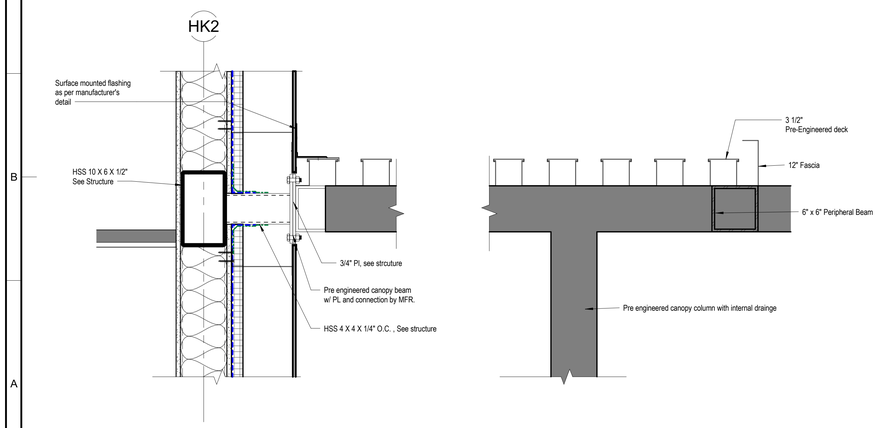
11 DETAIL @ CANOPY SUPPORT AT NEW ADDITION SOUH FACADE
SCALE: 1 1/2" = 1'-0"



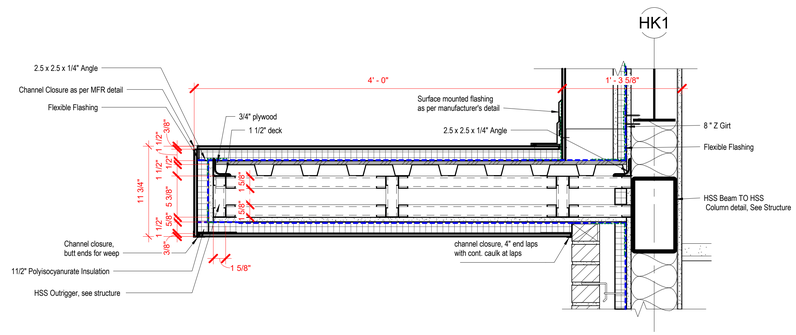
1 DETAIL @ EXISTING KITCHEN NORTH FACADE
SCALE: 1 1/2" = 1'-0"



10 DETAIL @ GYM WALL AND CANOPY
SCALE: 1 1/2" = 1'-0"



2 DETAIL @ CANOPY SUPPORT AT NEW ADDITION EAST FACADE
SCALE: 1 1/2" = 1'-0"



3 DETAIL @ CANOPY AT NEW ADDITION LOADING ENTRY
SCALE: 1 1/2" = 1'-0"

GENERAL SHEET NOTES

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B. All exterior metal stud wall to be centered on grid unless noted otehrwise in detail.

C. Grade beam and Foundation, refer structural drawings.

KEYNOTES

SHEET NOTES

Bid and Permit

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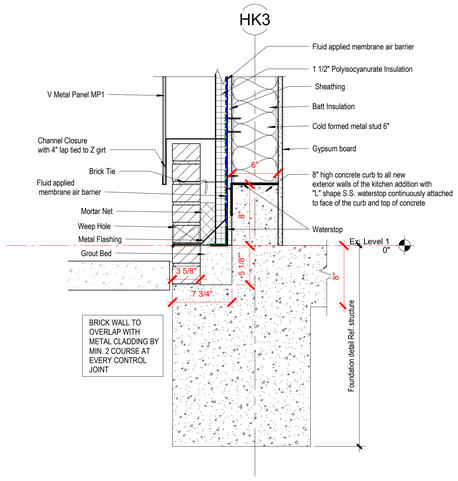
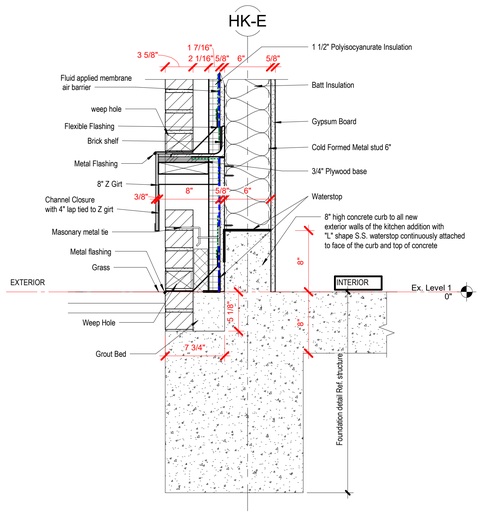
ENLARGED SECTION DETAILS

A5-11
SCALE: As indicated

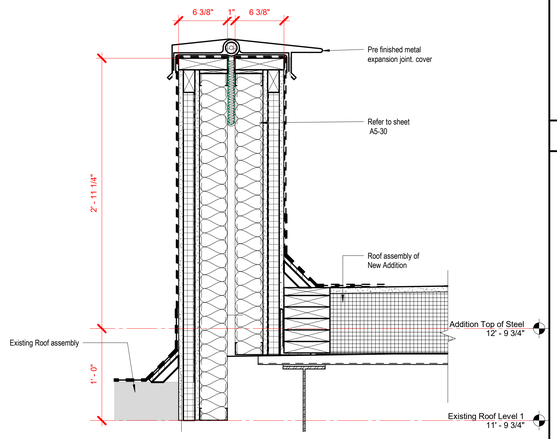
Project Name: ORG. #235 BAES Date:10/18/2024



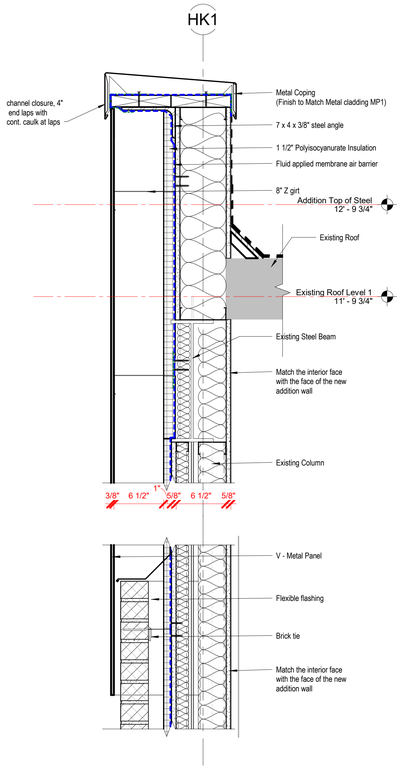
1 Detail @ Foundation - Kitchen Addition East and West Facade
SCALE: 1 1/2" = 1'-0"



3 Detail @ Foundation - Kitchen Addition South Facade
SCALE: 1 1/2" = 1'-0"



4 DETAIL @ EXPANSION JOINT - EXISTING AND NEW ADDITION
SCALE: 1 1/2" = 1'-0"



2 Detail @ Existing Kitchen West Facade
SCALE: 1 1/2" = 1'-0"

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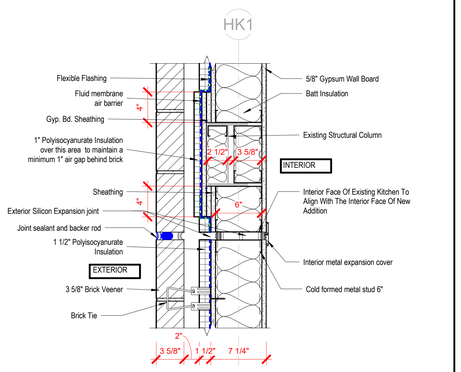
ENLARGED SECTION DETAILS

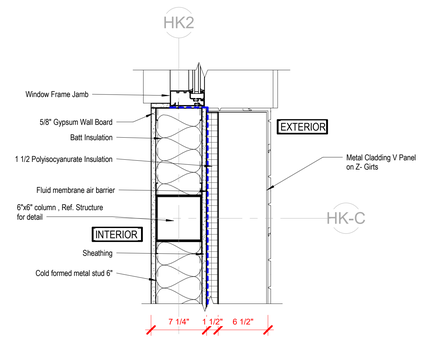
A5-12

SCALE: As indicated

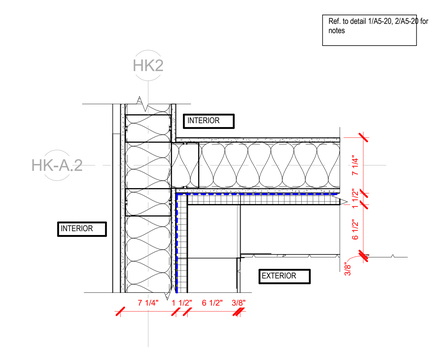
Project Name: ORG. #235 BAES Date:10/18/2024



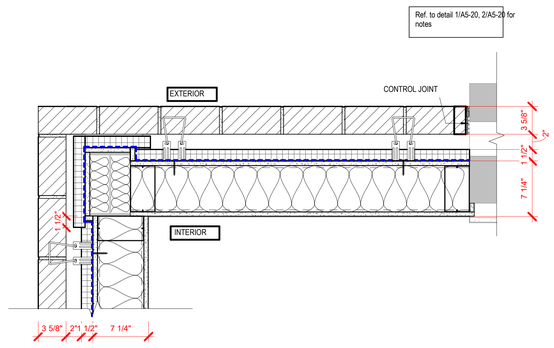
1 AREA B - EXISTING KITCHEN WEST WALL PLAN
SCALE: 1 1/2" = 1'-0"



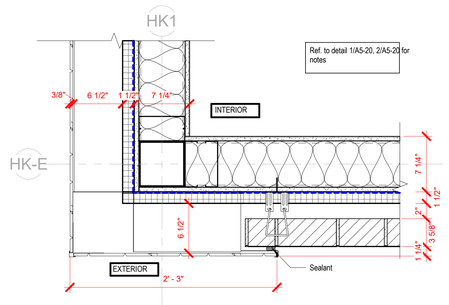
2 AREA B - KITCHEN PLAN - OFFICE EAST WALL
SCALE: 1 1/2" = 1'-0"



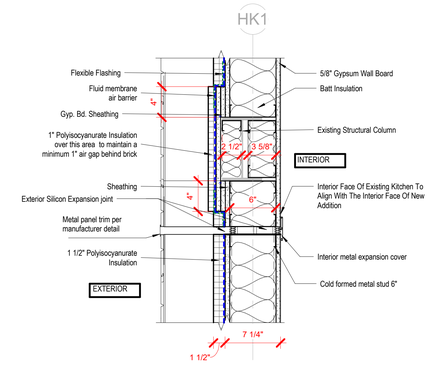
3 AREA B - KITCHEN PLAN - TOILET EAST WALL
SCALE: 1 1/2" = 1'-0"



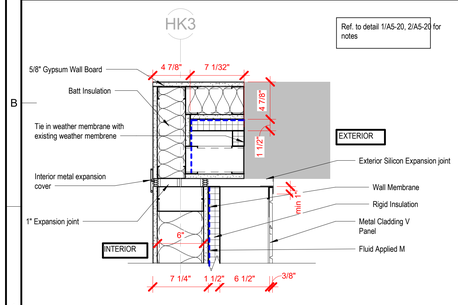
4 AREA B - KITCHEN PLAN - NORTH-WEST WALL
SCALE: 1 1/2" = 1'-0"



5 AREA B - KITCHEN PLAN - SOUTH-WEST WALL
SCALE: 1 1/2" = 1'-0"



7 AREA B - EXISTING KITCHEN WEST WALL PLAN @ METAL PANEL
SCALE: 1 1/2" = 1'-0"



6 AREA B - CAFETERIA ENTRY VESTIBULE PLAN
SCALE: 1 1/2" = 1'-0"

GENERAL SHEET NOTES

A. Do not scale drawings. Use figure dimensions only.

B. All exterior metal stud wall to be centered on grid unless noted otehrwise in detail.

C. Grade beam and Foundation, refer structural drawings.

KEYNOTES

SHEET NOTES

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

Interim Review
These documents are for review only and are not intended for permitting, bidding, or construction.

02.22.2026

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ISSUES & REVISIONS

No.	Date	Revision
D	06/13/2025	95% Construction Documents
E	01/16/2026	Permit Review Set
F	02/22/2026	Bid and Permit Set

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
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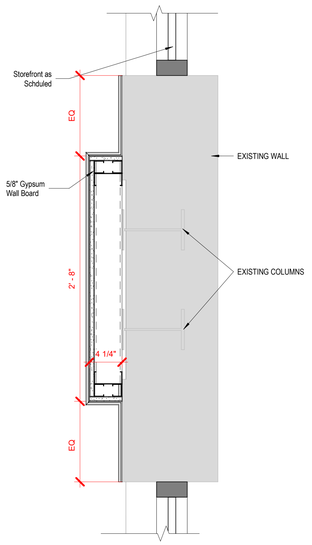
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

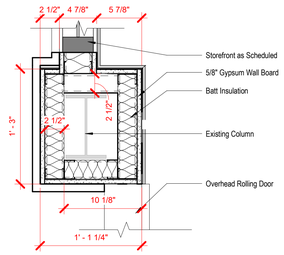
EXTERIOR PLAN DETAILS

A5-20

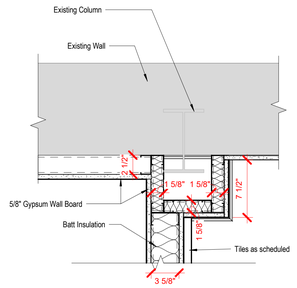
SCALE: As indicated



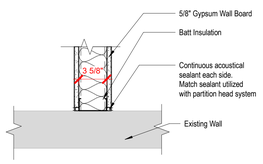
8 DETAIL 8 @ MEDIA CENTER PLAN
SCALE: 1 1/2" = 1'-0"



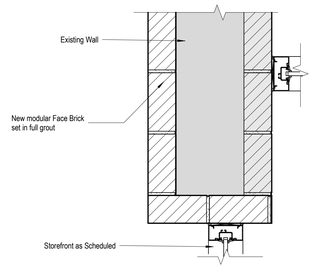
10 DETAIL 10 @ KITCHEN PLAN
SCALE: 1 1/2" = 1'-0"



9 DETAIL 9 @ KITCHEN PLAN
SCALE: 1 1/2" = 1'-0"



2 DETAIL 2 @ ADMIN SUITE PLAN
SCALE: 1 1/2" = 1'-0"



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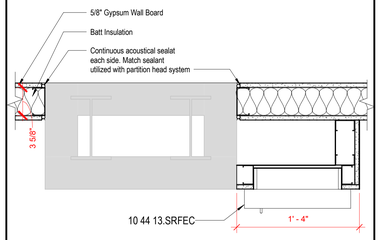

6 DETAIL 6 @ ADMIN SUITE PLAN
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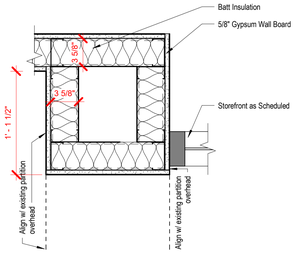
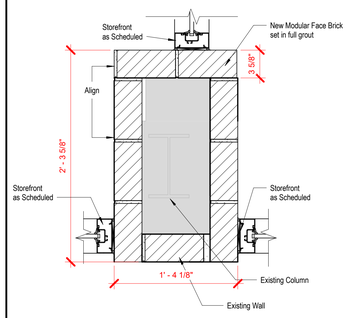


5 DETAIL 5 @ ADMIN SUITE PLAN
SCALE: 1 1/2" = 1'-0"



1 DETAIL 1 @ ADMIN SUITE PLAN
SCALE: 1 1/2" = 1'-0"

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KEYNOTES

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C	2/9/2024	50% Construction Documents
D	06/13/2025	95% Construction Documents
E	01/16/2026	Permit Review Set
F	02/22/2026	Bid and Permit Set

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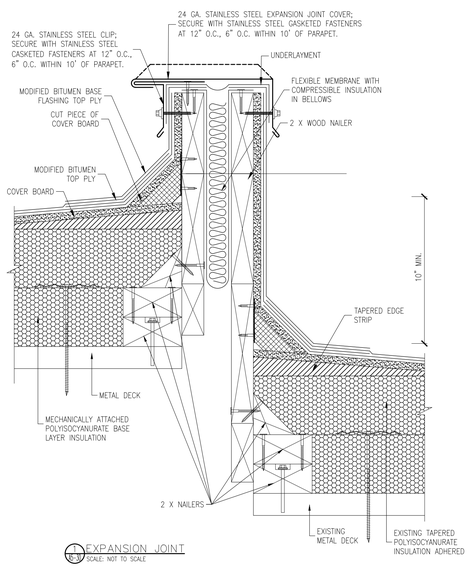
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

INTERIOR PLAN DETAILS

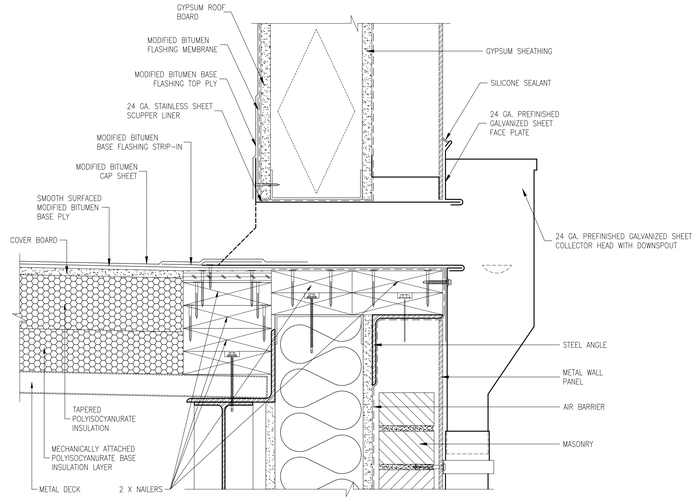
A5-21

SCALE: As indicated

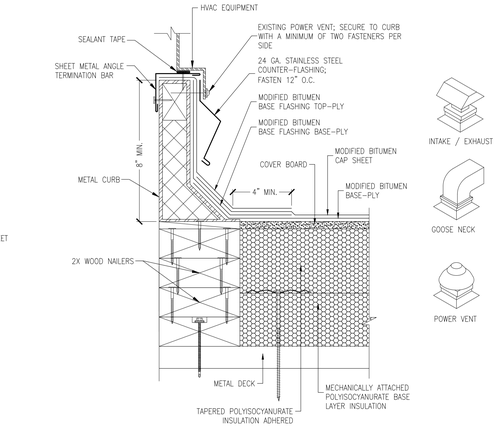
Project Name: ORG. #235 BAES Date:10/18/2024



1 EXPANSION JOINT
B-5 SCALE: NOT TO SCALE



2 THROUGH-WALL SCUPPER WITH COLLECTOR HEAD
B-5 SCALE: NOT TO SCALE



3 VENT CURB
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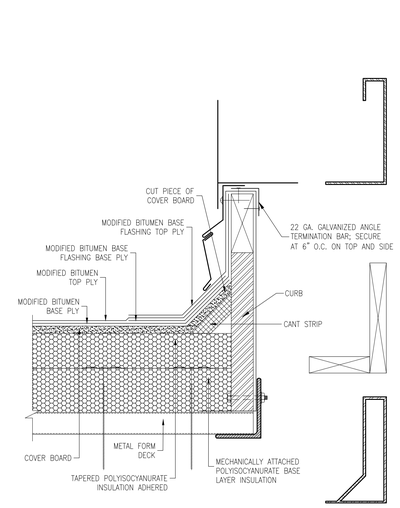

4 ROOF-TOP UNIT
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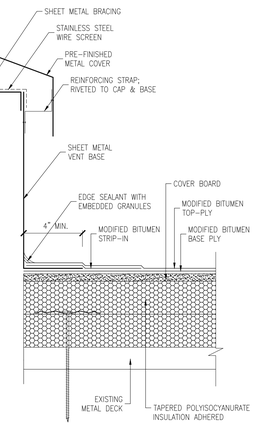

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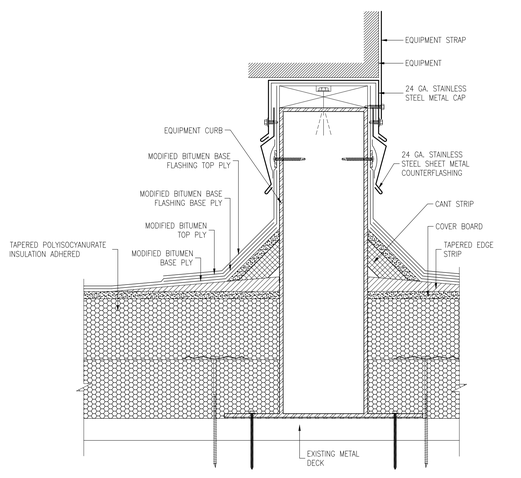

6 EQUIPMENT SUPPORT
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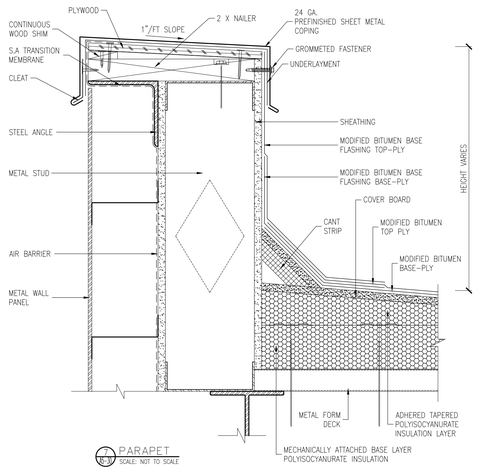

7 PARAPET
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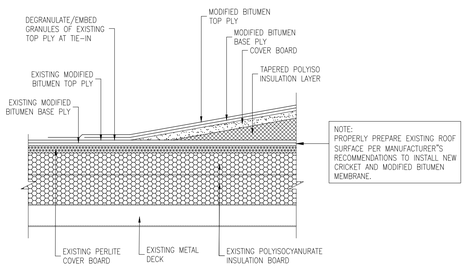
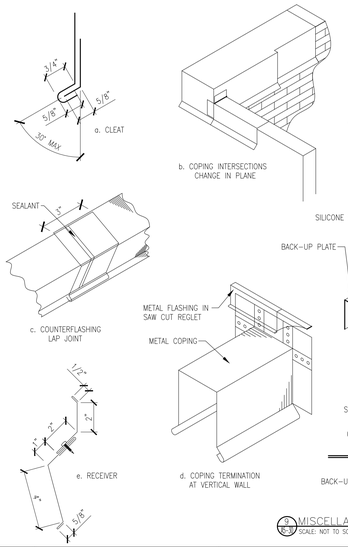
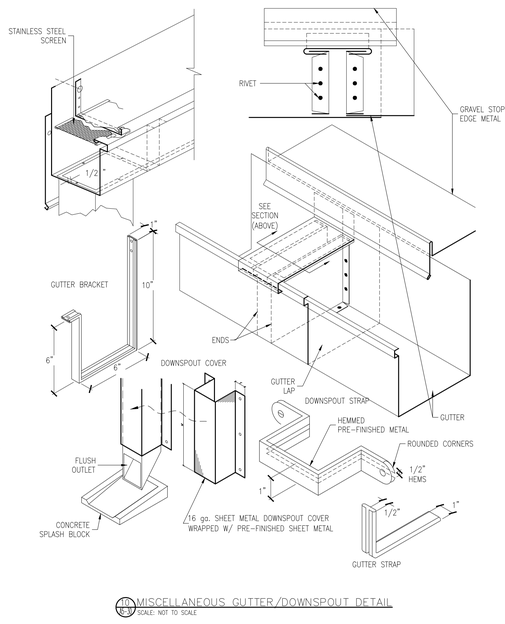


8 NEW CRICKET AT EXISTING ROOF
B-5 SCALE: NOT TO SCALE



9 MISCELLANEOUS COPIN/FLASHING DETAIL
B-5 SCALE: NOT TO SCALE



10 MISCELLANEOUS GUTTER/DOWNSPOUT DETAIL
B-5 SCALE: NOT TO SCALE

LEGEND

SHEET NOTES

KEY PLAN

TRUE NORTH

N

ISSUED FOR BIDDING AND PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT

BIRDIE ALEXANDER
Elementary School
DALLAS ISD
1830 Goldwood Dr.
Dallas, TX 75000

HarrisonKornberg ARCHITECTS
3800 Buffalo Speedway, Suite 550
Houston, TX 77098
T: 832-390-4695
Email:bsaucedia@harrisonkornberg.com
Contact: Ben Saucedia

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ISSUES & REVISIONS

No.	Date	Revision

STATE OF TEXAS
KARL A. SCHAACK
70234
REGISTERED
PROFESSIONAL ENGINEER
01/18/24
F-3814

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Mina Deo
T: 214-336-5214

Envelope:
PCI
Contact: Karl Schaack
T: 281-827-9250

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 850-624-3372

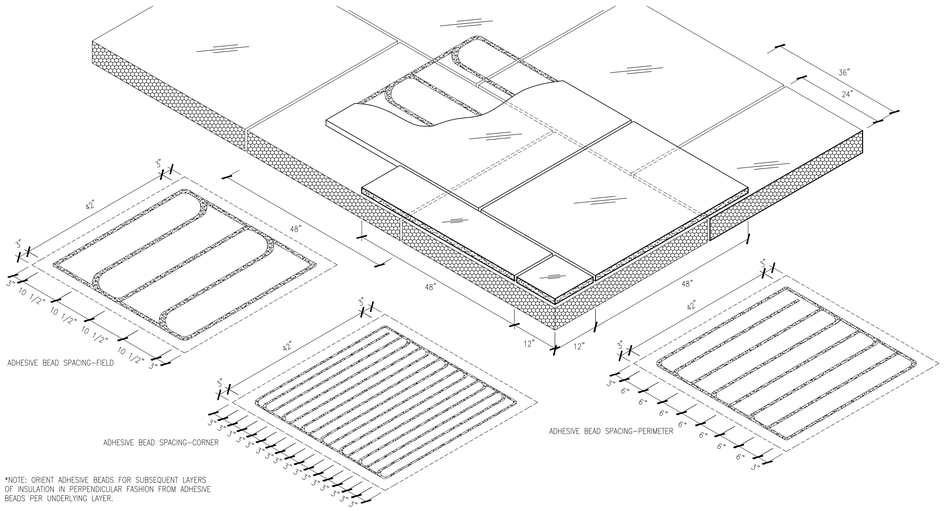
IT / AV / Security:
TLC Engineering, Inc.
Contact: Aaron Rose
T: 713-868-6900

DETAILS

A5-30

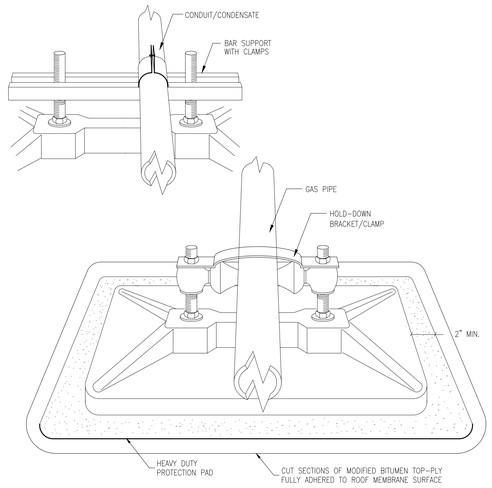
SCALE: N.T.S.

Project Name: BRDE ALEXANDER E.S. Date: 01/11/24



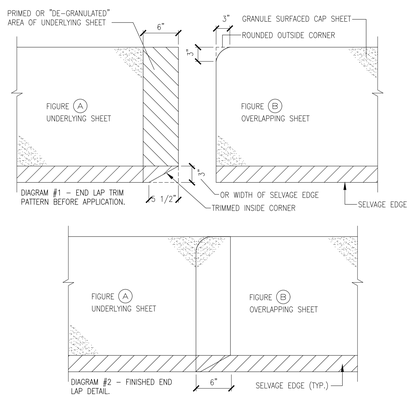
*NOTE: ORIENT ADHESIVE BEADS FOR SUBSEQUENT LAYERS OF INSULATION IN PERPENDICULAR FASHION FROM ADHESIVE BEADS PER UNDERLYING LAYER.

1 MISCELLANEOUS INSULATION LAYOUT
R-5 SCALE: NOT TO SCALE

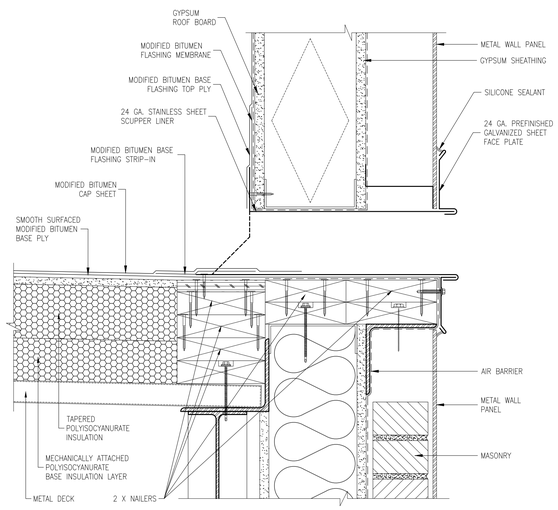


2 PIPE SUPPORT
R-5 SCALE: NOT TO SCALE

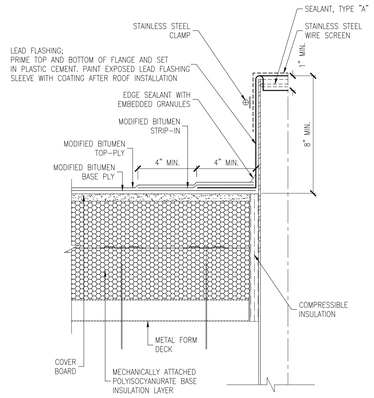
END LAP DETAIL:
DURING END LAP APPLICATION, TRIM THE LOWER INSIDE CORNER OF THE UNDERLYING SHEET AT THE END OF THE ROLL AS SHOWN IN DIAGRAM #1, FIGURE A. TRIM THE UPPER OUTSIDE CORNER OF THE OVERLAPPING SHEET AS SHOWN IN DIAGRAM #1, FIGURE B. INSIDE CORNER SHALL BE TRIMMED ON AN ANGLE 5 1/2" LONG FROM END OF ROLL TO OUTSIDE EDGE. WIDTH OF TRIM SHALL BE 3" OR WIDTH OF SELVAGE EDGE OF CAP SHEET. OUTSIDE CORNER SHALL BE TRIMMED IN A ROUNDED MANNER EXTENDING 3" FROM CORNER ALONG BOTH THE SIDE AND END. TRIMMED INSIDE CORNERS SHALL BE COMPLETELY COVERED BY APPLICATION OF SUCCEEDING COURSES. GRANULE SURFACING TO RECEIVE OVERLAPPING PIECE SHALL BE PRIMED OR "DE–GRANULATED" BY PROPER TORCHING METHOD. LOOSE GRANULES SHALL BE BROADCASTED AND EMBEDDED IN BITUMINOUS BLEED OUT ALONG SIDE AND END LAPS.



3 CAP SHEET LAP CONSTRUCTION
R-5 SCALE: NOT TO SCALE



4 THROUGH–WALL OVERFLOW SCUPPER
R-5 SCALE: NOT TO SCALE



5 PLUMBING VENT
R-5 SCALE: NOT TO SCALE

LEGEND

SHEET NOTES

KEY PLAN

TRUE NORTH

N

ISSUED FOR BIDDING AND PERMIT

DALLAS INDEPENDENT SCHOOL DISTRICT

BIRDIE ALEXANDER
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Dallas, TX 75000

HarrisonKornberg ARCHITECTS
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Contact: Ben Saucedia

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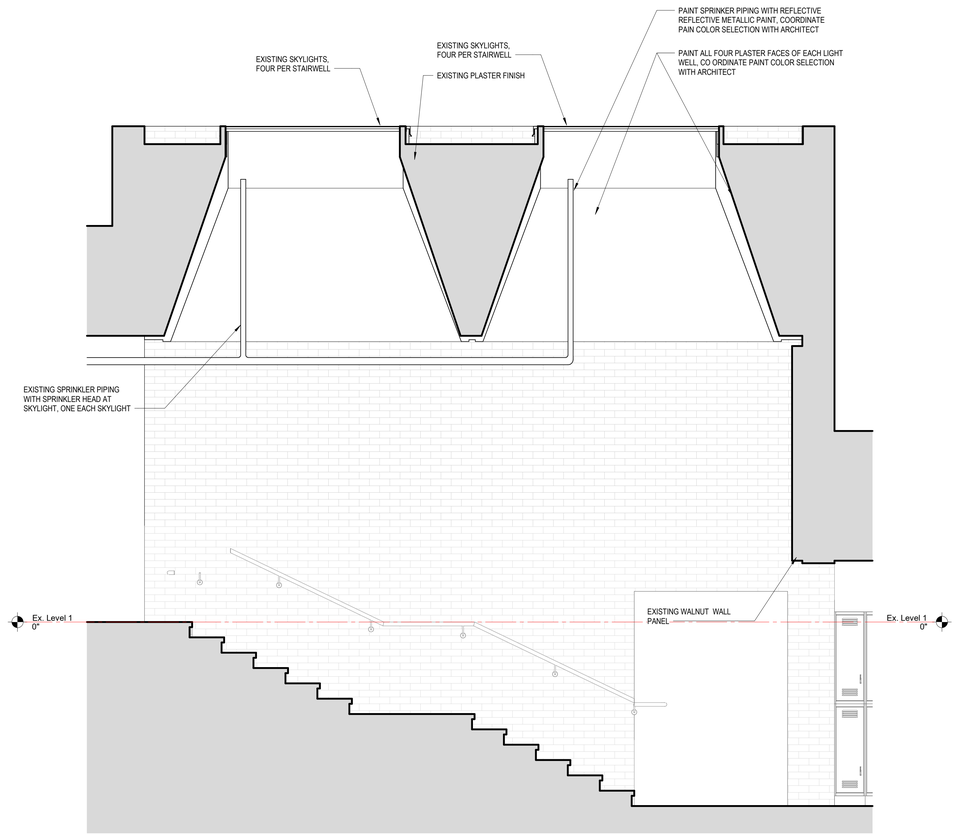
DETAILS

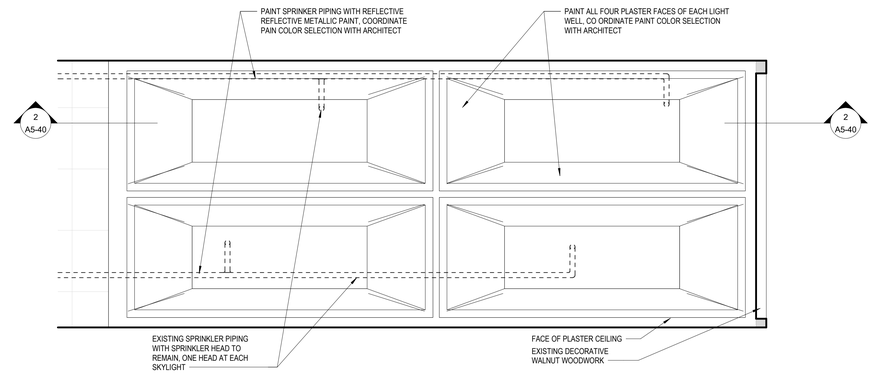
A5-31

SCALE: N.T.S.

Project Name: BRDE ALEXANDER E.S. Date: 01/17/24



2 STAIRWELL DETAIL SECTION A
SCALE: 1/2" = 1'-0"



1 STAIRWELL SKYLIGHTS DETAIL RCP
SCALE: 1/2" = 1'-0"

GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

- G1 **[Clear]** Tempered Glass
- G2 **[Tinted]** Insulating Glass, Tempered
- G3 Ceramic Coated Spandrel Glass
- G4 Clear Float Glass
- G5 **[Clear/Tinted]** Tempered Glass, with 3M Scotchshield window Fill Ultra 800 Series Film (or approved equal)
- G6 **[Clear/Tinted]** Insulating Glass, Tempered with 3M Scotchshield window Fill Ultra 800 Series Film (or approved equal)

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

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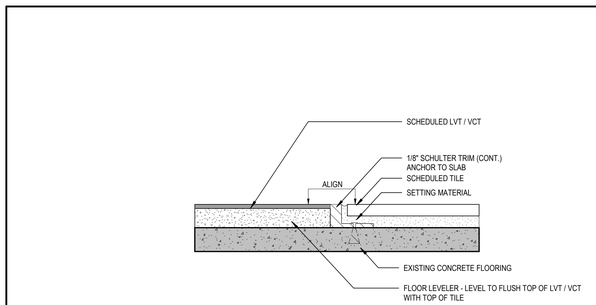
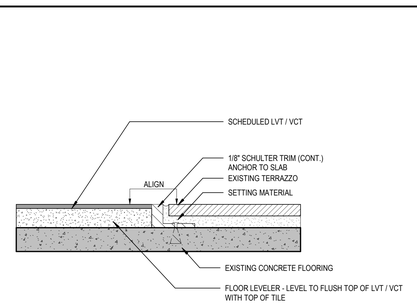
STAIR, RAMP AND ELEVATOR DETAILS

A5-40

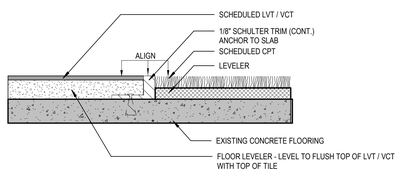
SCALE: As indicated



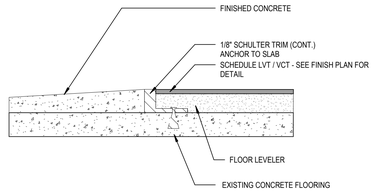
5 FLOOR TRANSITION - VCT TO TILE
SCALE: 6" = 1'-0"



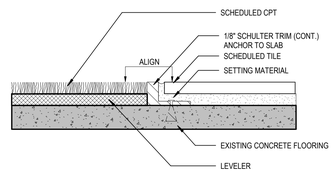
4 FLOOR TRANSITION - VCT TO TERRAZZO
SCALE: 6" = 1'-0"



3 FLOOR TRANSITION - LVT / VCT TO CARPET
SCALE: 6" = 1'-0"



2 FLOOR TRANSITION - CONCRETE TO VCT
SCALE: 6" = 1'-0"



1 FLOOR TRANSITION - CARPET TO TILE
SCALE: 6" = 1'-0"

GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

Interim Review
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02.22.2026

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Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Selvakumar Viswanathan
T: 214-625-5803

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Karl Schaak, PE, RRC
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

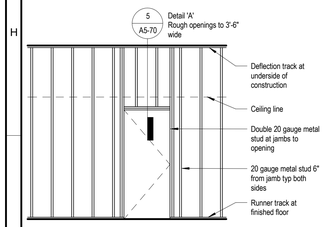
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

FLOOR TRANSITION DETAILS

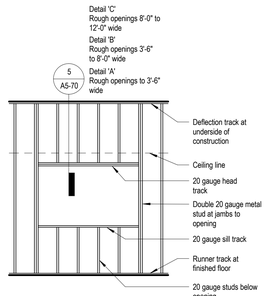
A5-50

SCALE: 6" = 1'-0"

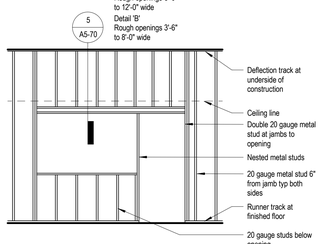
Project Name: ORG. #235 BAES Date:10/18/2024



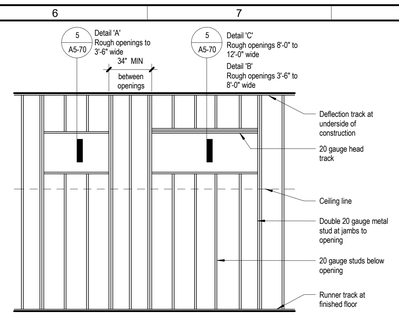
A TYPICAL FRAMING ELEVATIONS



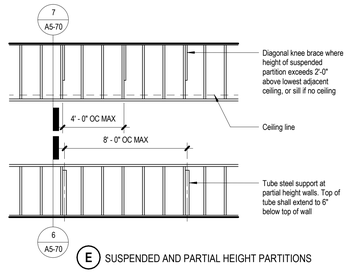
B GLAZED OPENINGS / PASS-THROUGHS



C COMBINATION DOOR / GLAZED OPENINGS



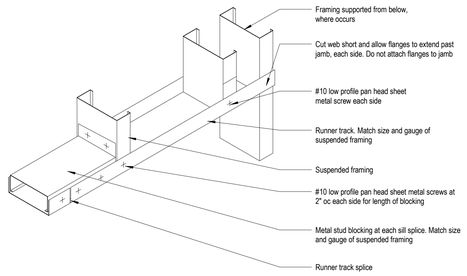
D UTILITY SERVICE OPENINGS



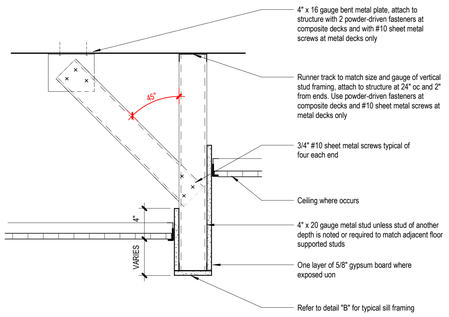
E SUSPENDED AND PARTIAL HEIGHT PARTITIONS

TYPICAL AT ALL METAL STUD FRAMING UNLESS OTHERWISE NOTED

TYPICAL FRAMING ELEVATIONS | 1/4" = 1'-0" | 1

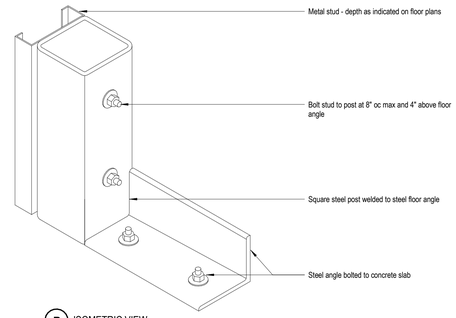


B TYPICAL SILL REQUIREMENTS

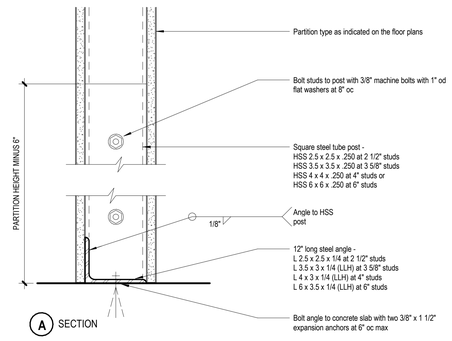


A TYPICAL KNEE BRACE REQUIREMENTS

SUSPENDED PARTITION - TYPICAL DETAILS | 1 1/2" = 1'-0" | 7



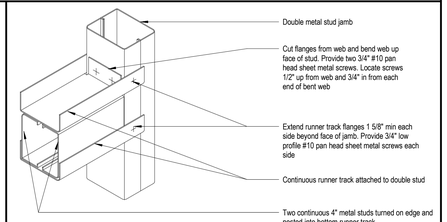
B ISOMETRIC VIEW



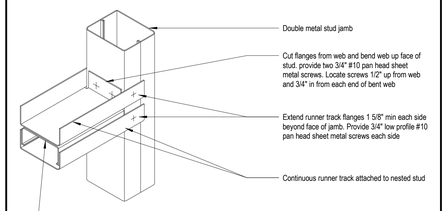
A SECTION

TYPICAL AT CORNERS, ENDS AND 4'-0" OC MAX BETWEEN

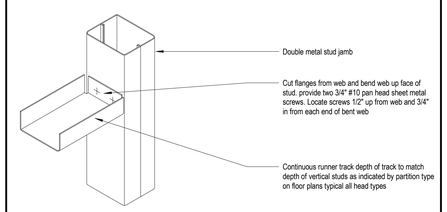
PARTIAL HEIGHT PARTITION BRACING AND ANCHORAGE | 3" = 1'-0" | 6



C JAMB AT TYPE 3 HEAD - OPENINGS 8'-0" TO 12'-0" WIDE



B JAMB AT TYPE 2 HEAD - OPENINGS 3'-6" TO 8'-0" WIDE



A JAMB / HEAD TYPE 1 - OPENINGS UP TO 3'-6" WIDE

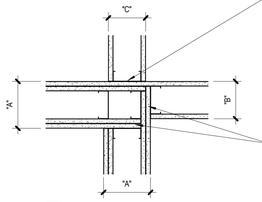
TYPICAL FRAMING DETAILS

HEAD / JAMB CONNECTION | 1 1/2" = 1'-0" | 5

PRIORITY OF PARTITIONS

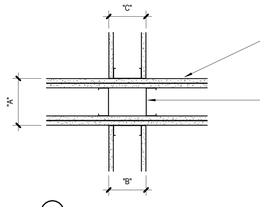
The "priority" of partitions of different types is determined as follows:

1. Fire-rated partitions have priority over non-rated partitions.
2. Partitions with greater fire-ratings have priority over partitions with lesser fire-ratings. Example: two-hour rated partitions have priority over one-hour fire-rated partitions.
3. Smoke-sealed partitions have priority over non-smoke sealed partitions of similar fire-rating. Refer to for additional components matrix on sheet for requirements.



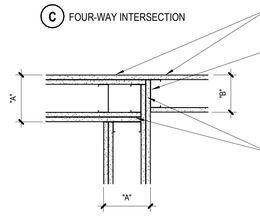
Note: Partition type "A" has priority over partition types "B" and "C" changes direction. See notes to the right

D FOUR-WAY INTERSECTION



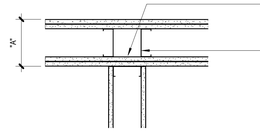
Note: Partition type "A" has priority of partition types "B" and "C" and continues without interruption. See notes to the right

C FOUR-WAY INTERSECTION



Note: Partition type "A" has priority over partition type "B" and changes direction. See notes to the right

B THREE-WAY INTERSECTION

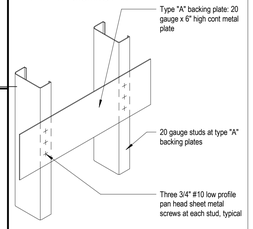


Note: Partition type "A" has priority over partition type "B" and continues without interruption. See notes to the right

A THREE-WAY INTERSECTION

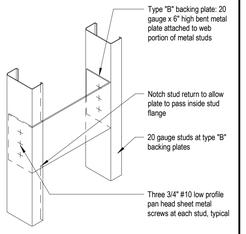
TYPICAL UNLESS OTHERWISE NOTED AND/OR DETAILED

TYPE "A" BACKING PLATE



Type "A" backing plates:
- At door stops and bumper rails
- At toilet accessories, mirrors, coat hooks etc
- At all upper wall hung cabinets
- At all base cabinets
- At all full height cabinets
- At wall mounted adjustable shelving
- At all wall mounted handrails

TYPE "B" BACKING PLATE



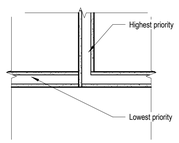
Type "B" backing plates:

Type "B" backing plate shall support the same items as type "A" backing plate but use where appearance is the main concern such as lobbies and other high design areas

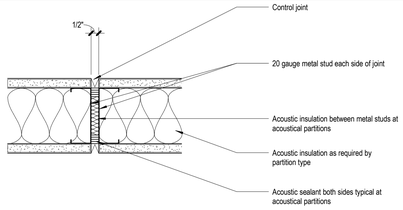
Provide backing plates as indicated on the drawings or where not indicated, according to the following schedule above:

TYPICAL BACKING PLATE SCHEDULE | 1" = 1'-0" | A12

WALL FRAMING PRIORITY LEGEND



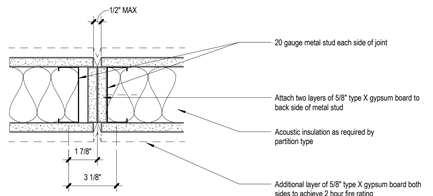
TYPE	PRIORITY	RATING
Fire wall	Priority 1 (highest)	4 hour
Fire & smoke barrier	Priority 2	3 hour
Fire barrier	Priority 3	2 hour
Fire partition	Priority 4	1 hour
Smoke partition	Priority 5	1/2 hour
Non-rated wall	Priority 6 (lowest)	Non-rated



A NON-RATED PARTITIONS

Typical at corners, ends and 4'-0" oc max between

TYPICAL CONTROL JOINTS AT METAL STUD PARTITIONS | 3" = 1'-0" | 4



B FIRE-RATED CONTROL JOINT (1 AND 2 HOUR RATINGS)

TYPICAL FRAMING DETAILS

HEAD / JAMB CONNECTION | 1 1/2" = 1'-0" | 5

Bid and Permit

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Foodservice Design Professionals
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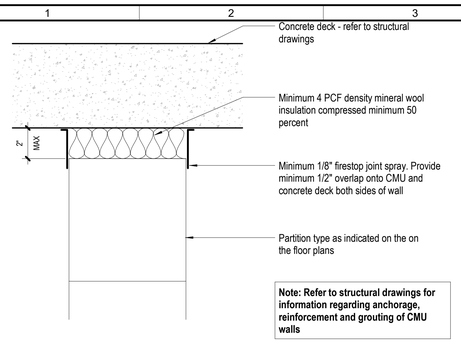
METAL STUD FRAMING DETAILS

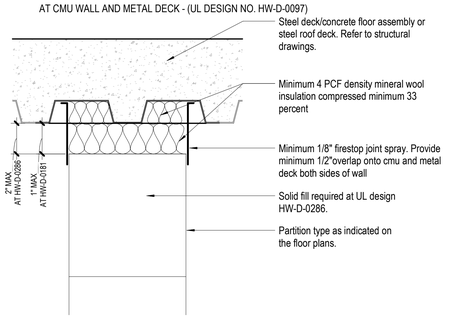
A5-70

SCALE: As indicated

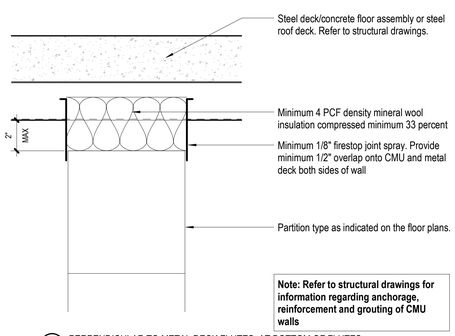
Project Name: ORG. #235 BAES Date:10/18/2024



AT CMU WALL AND METAL DECK - (UL DESIGN NO. HW-D-0097)

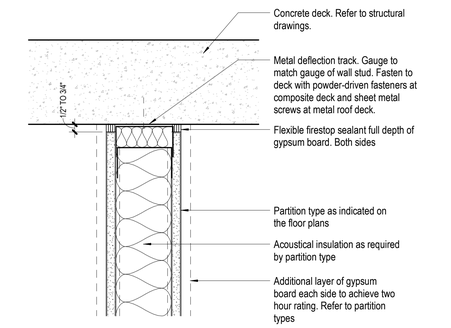


B PARALLEL TO METAL DECK FLUTES
AT CMU WALL AND METAL DECK - (UL DESIGN NO. HW-D-0098, HW-D-0181, HW-D-0286)



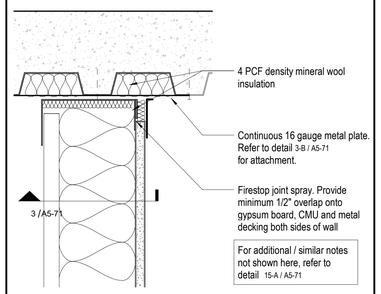
A PERPENDICULAR TO METAL DECK FLUTES: AT BOTTOM OF FLUTES
AT CMU WALL AND METAL DECK - (UL DESIGN NO. HW-D-0098, HW-D-0181, HW-D-0286)

1 AND 2 HR FIRE-RATED PARTITION HEAD DETAILS (CMU) | 3" = 1'-0" | 8

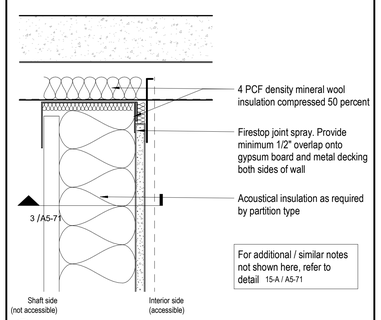


AT METAL STUD WALL AND CONCRETE DECK - (UL DESIGN NO. HW-D-0083)

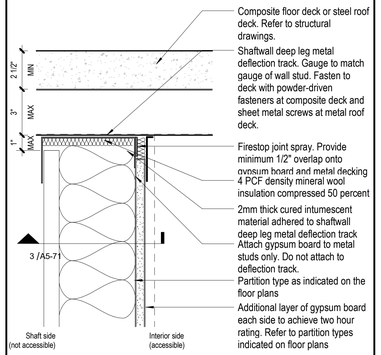
1 AND 2 HR FIRE-RATED PARTITION HEAD DETAIL (METAL STUD) | 3" = 1'-0" | 12



C PARALLEL TO METAL DECK FLUTES

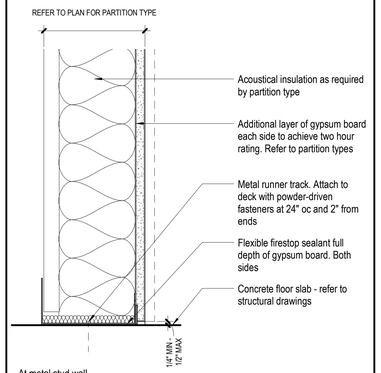


B PERPENDICULAR TO METAL DECK FLUTES: BETWEEN FLUTES



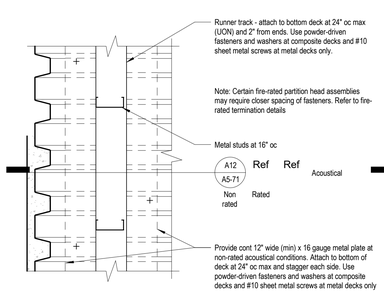
A PERPENDICULAR TO METAL DECK FLUTES: AT BOTTOM OF FLUTES
AT METAL STUD WALL AND METAL DECK - UL DESIGNS (HW-D-0087, HW-D-0031, HW-D-0264)

1 AND 2 HR FIRE-RATED SHAFTWALL HEAD DETAILS (METAL STUD) | 3" = 1'-0" | 15

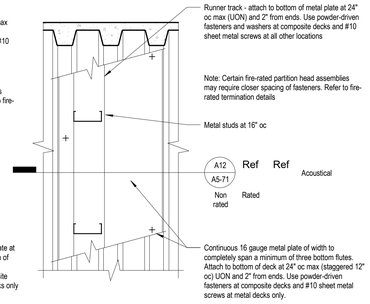


At metal stud wall

1 AND 2 HR FIRE-RATED SHAFTWALL BASE DETAIL (METAL STUD) | 3" = 1'-0" | 13



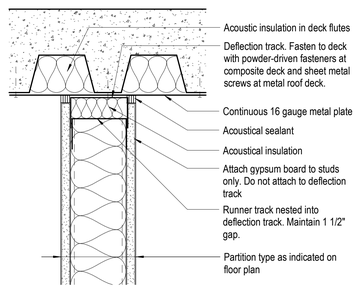
A PERPENDICULAR TO METAL DECK FLUTES



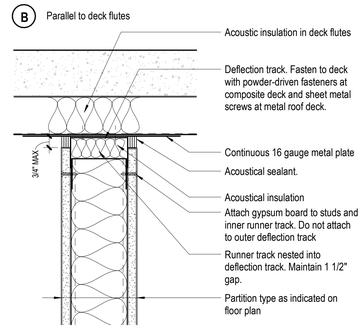
B PARALLEL TO METAL DECK FLUTES

METAL STUD PARTITION AT METAL DECK

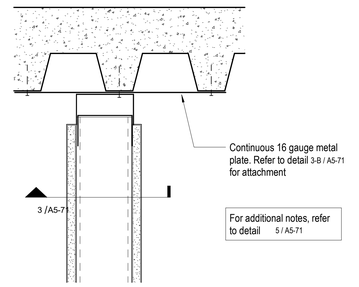
HEAD-OF-WALL @ PARTITION TYPES PA - PD (NON-RATED) | 3" = 1'-0" | A12



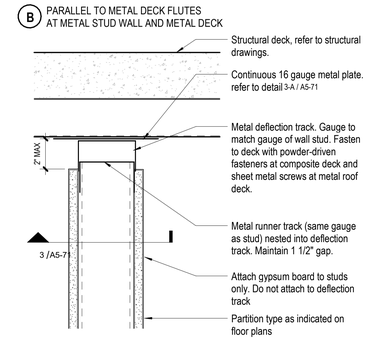
B Parallel to deck flutes



A Perpendicular to deck flutes



B PARALLEL TO METAL DECK FLUTES
AT METAL STUD WALL AND METAL DECK



A PERPENDICULAR TO METAL DECK FLUTES: AT BOTTOM OF FLUTES
AT METAL STUD WALL AND METAL DECK

NON-RATED PARTITION HEAD CONDITIONS (METAL STUD) | 3" = 1'-0" | 5

GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

Bid and Permit

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ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
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HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

Interim Review
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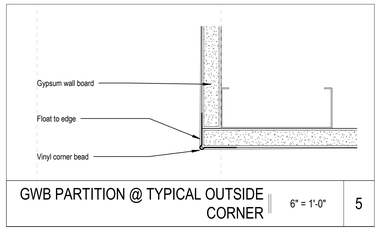
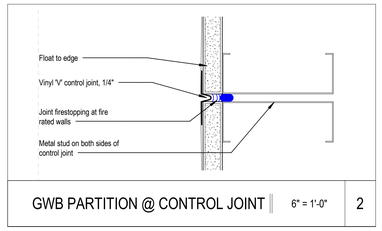
PARTITION DETAILS

A5-71

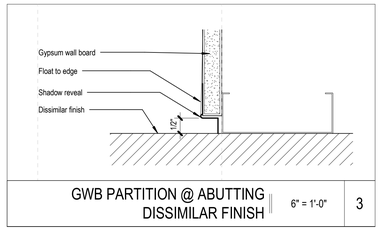
SCALE: As indicated



GWB PARTITION @ TYPICAL OUTSIDE CORNER | 6" = 1'-0" | 5



GWB PARTITION @ CONTROL JOINT | 6" = 1'-0" | 2



GWB PARTITION @ ABUTTING DISSIMILAR FINISH | 6" = 1'-0" | 3

GENERAL SHEET NOTES

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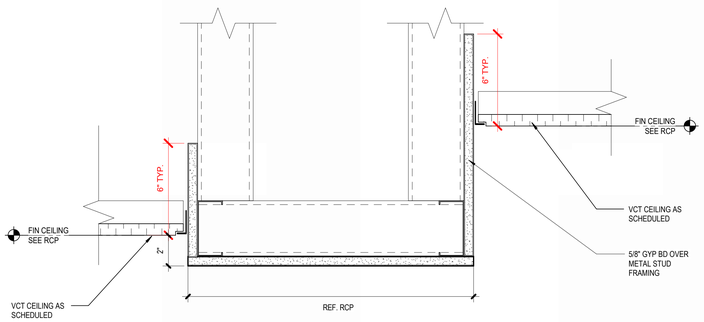
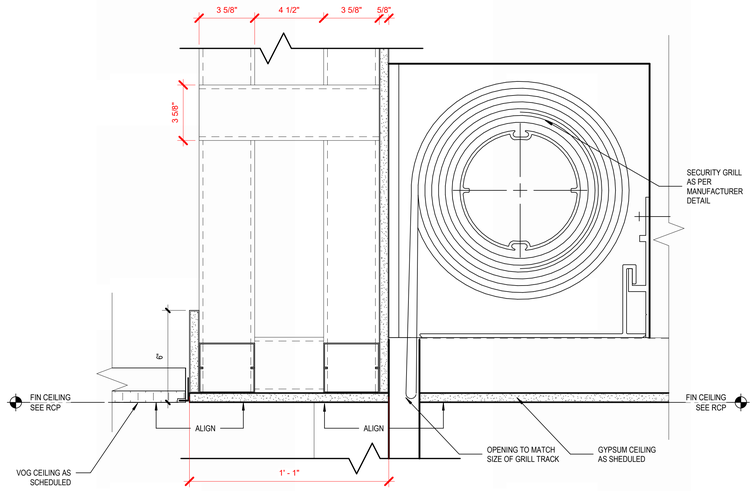
GYPSUM BOARD DETAILS

A5-72

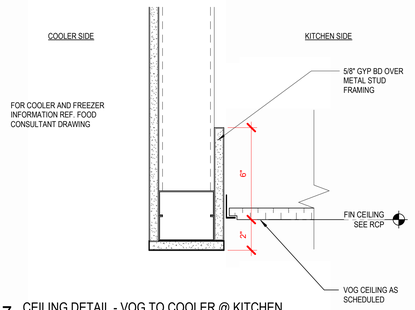
SCALE: 6" = 1'-0"



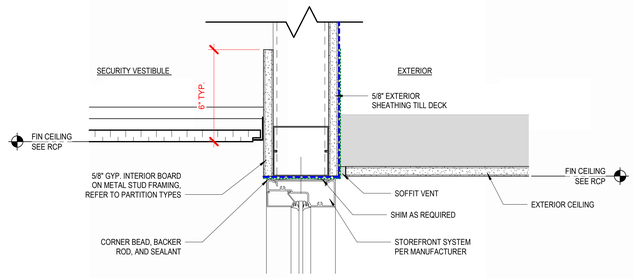
6 CEILING DETAIL - ACT TO ACT @ KITCHEN
SCALE: 3" = 1'-0"



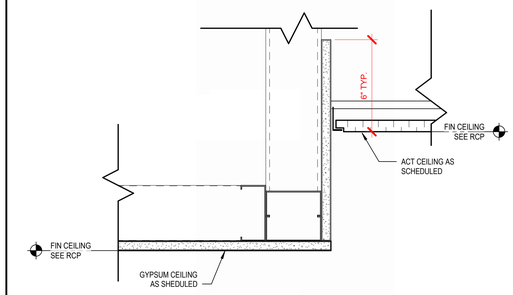
8 CEILING DETAIL - ACT TO GYPSUM @ KITCHEN ENTRANCE
SCALE: 3" = 1'-0"



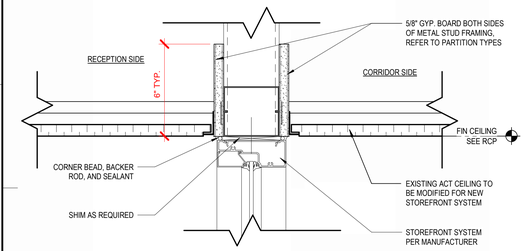
7 CEILING DETAIL - VOG TO COOLER @ KITCHEN
SCALE: 3" = 1'-0"



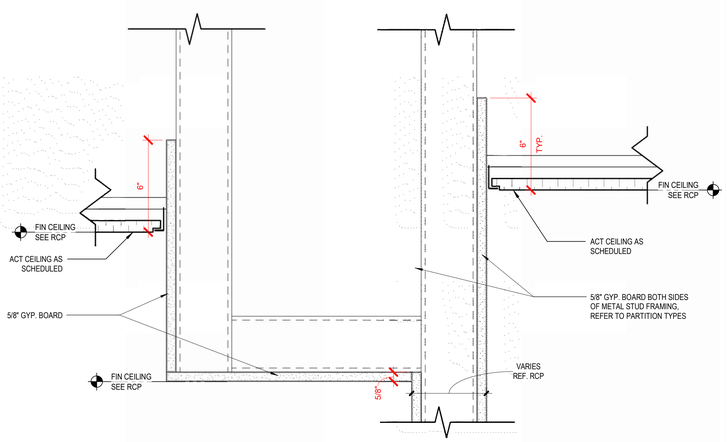
5 CEILING DETAIL - ACT TO ACT @ ENTRANCE
SCALE: 3" = 1'-0"



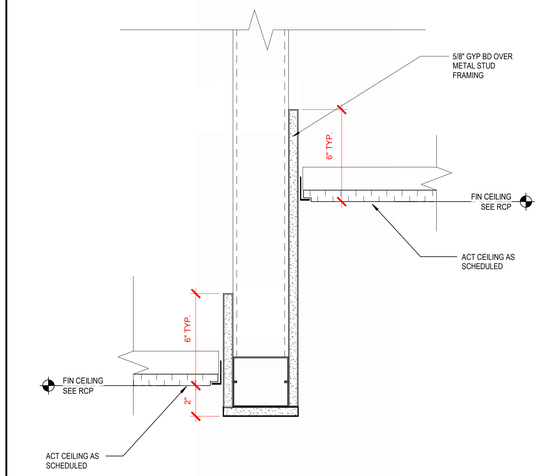
4 CEILING DETAIL - GYP TO ACT @ CAFETERIA
SCALE: 3" = 1'-0"



3 CEILING DETAIL - ACT TO ACT @ RECEPTION TO CORRIDOR
SCALE: 3" = 1'-0"



2 CEILING DETAIL - ACT TO ACT @ RECEPTION CRC
SCALE: 3" = 1'-0"



1 CEILING DETAIL - ACT TO ACT @ RECEPTION TO FLEX ROOM
SCALE: 3" = 1'-0"

GENERAL SHEET NOTES

KEYNOTES

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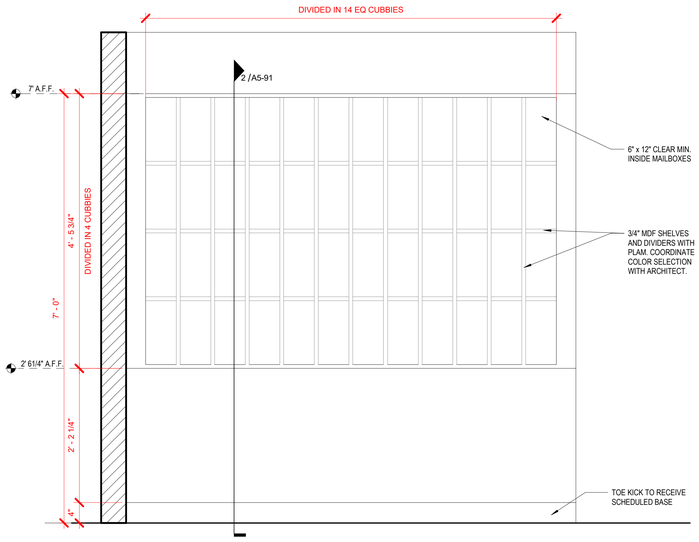
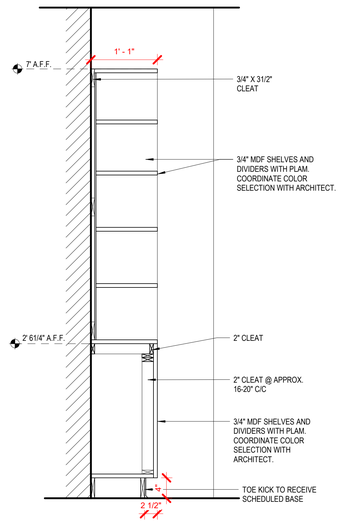
CEILING DETAILS

A5-80
SCALE: 3" = 1'-0"

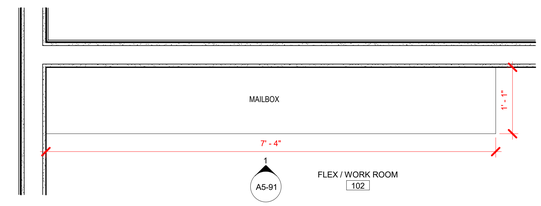
Project Name: ORG. #235 BAES Date:10/18/2024



1 MAILBOX DETAILS
SCALE: 1" = 1'-0"



2 MAILBOX DETAILS
SCALE: 1" = 1'-0"



3 MAILBOX PLAN - ADMIN SUITE
SCALE: 1" = 1'-0"

GENERAL SHEET NOTES

A. Field verify all dimensions and conditions.

B. Provide matching filler pieces scribed to abutting surfaces where cabinet is indicated to be abutting adjacent surfaces or dissimilar materials or construction**.** Filler pieces to be flush with faces of doors and drawers.

C. Close all perimeter joints between cabinets, countertops, splashes, sinks, trim, dissimilar materials and finishes with sealant.

D. Finish all visible surfaces of cabinets, countertops, knee spaces, end panels, etc.

E. Scheduled room base finish to be applied continuously around all assembly items including knee spaces, cabinets, and panels, toe-boards, etc.

F. Provide backsplashes at abutting walls.

G. Provide grommets, 2" diameter, unless otherwise noted in all plastic laminate countertops with knee spaces, at 30" OC. Verify locations with Architect.

H. Dimensions indicated are nominal industry standards for manufactured wood or plastic laminate cabinets. Manufactured steel cabinets are similar.

I. Provide a 2" valance when a task light is indicated UNO

J. All cabinets are to be **[plywood/mdf]** with **[plastic laminate]** with white melamine inside finish, UNO

K. Refer to Finish Schedule for cabinet and countertop finish materials.

L. All plastic laminate countertops to have a PVC edge, UNO. Submit profile and color for Architect's approval.

KEYNOTES

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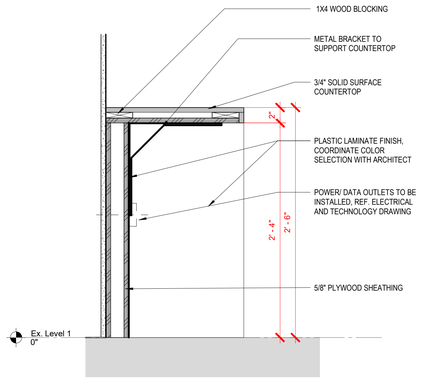
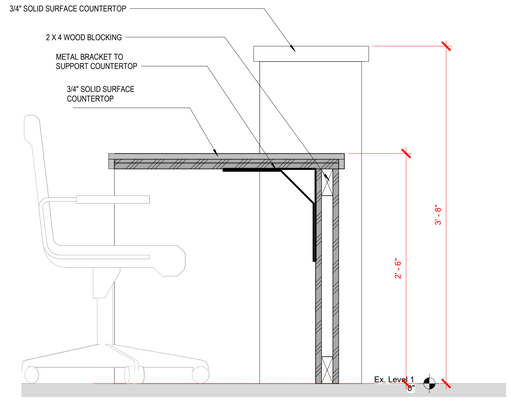
MAILBOX DETAIL

A5-91

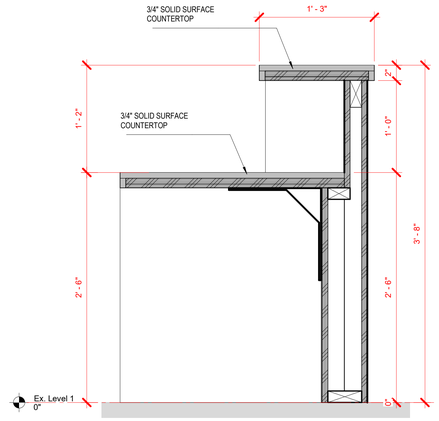
SCALE: As indicated



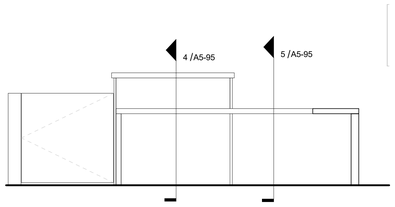
6 RECEPTION DESK - SECTION 3
SCALE: 1 1/2" = 1'-0"



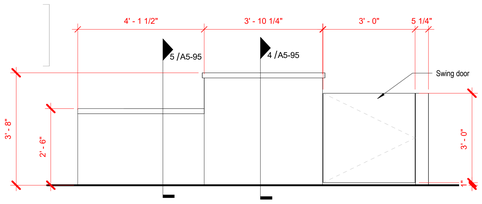
5 RECEPTION DESK - SECTION 2
SCALE: 1 1/2" = 1'-0"



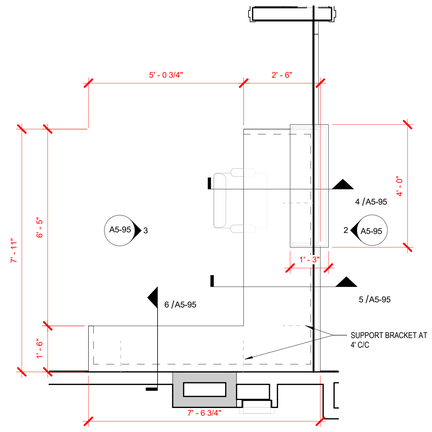
4 RECEPTION DESK - SECTION 1
SCALE: 1 1/2" = 1'-0"



3 RECEPTION DESK - ELEVATION 2
SCALE: 1/2" = 1'-0"



2 RECEPTION DESK - ELEVATION 1
SCALE: 1/2" = 1'-0"



1 LEVEL 1 - AREA A - ADMIN SUITE PLAN - RECEPTIONIST DESK
SCALE: 1/2" = 1'-0"

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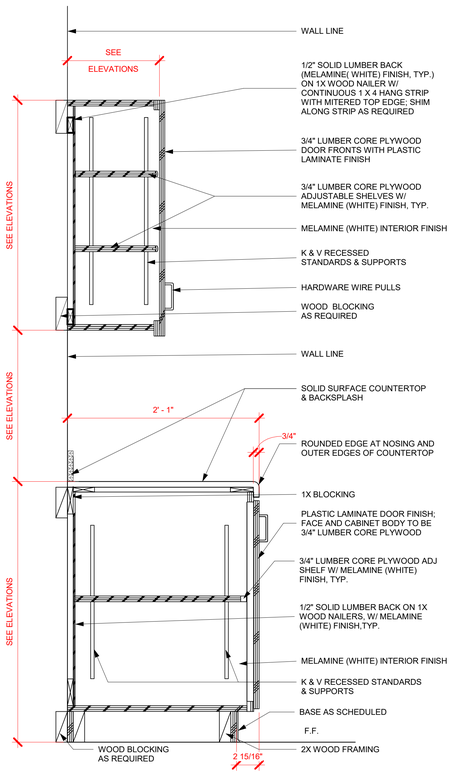
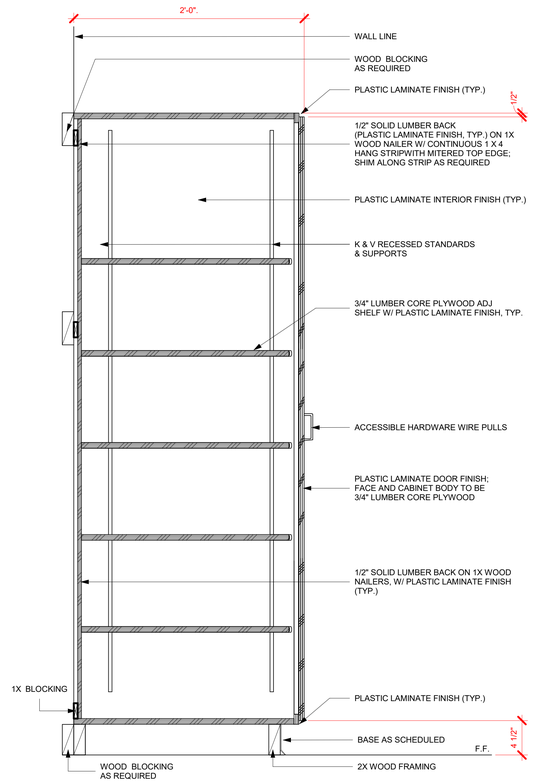
MILLWORK - RECEPTION DESK

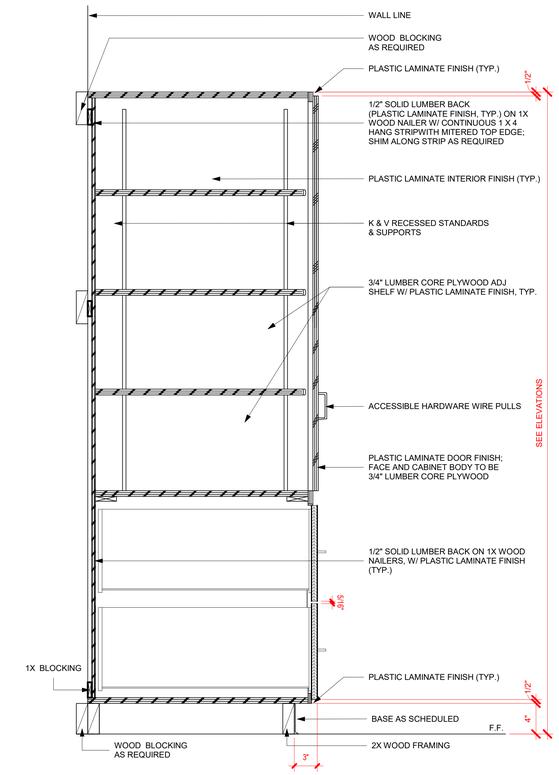
A5-95
SCALE: As indicated



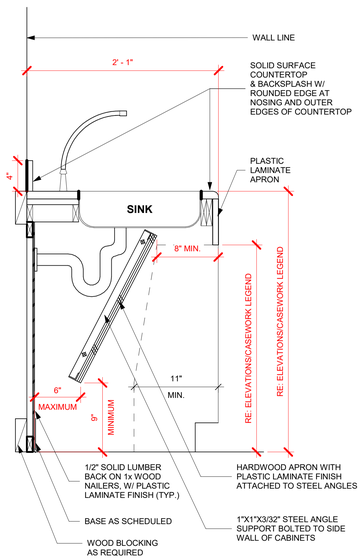
1 Upper and Base Cabinet Casework
SCALE: 1 1/2" = 1'-0"



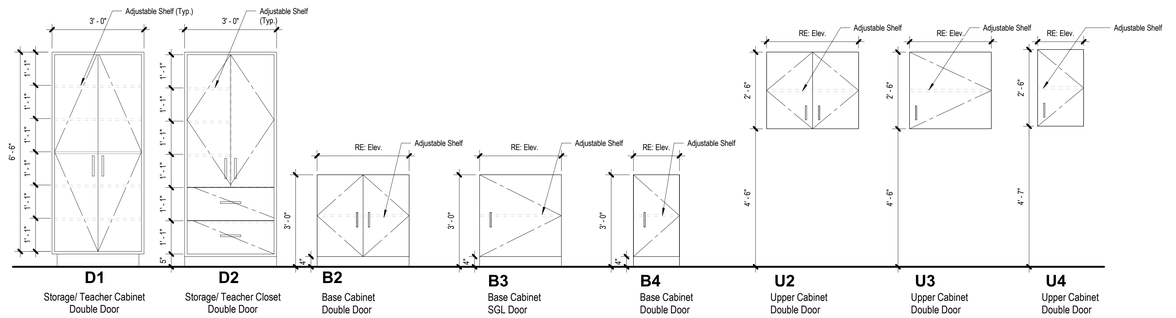
2 Section @ Tall Cabinet
SCALE: 1 1/2" = 1'-0"



3 Section @Drawer and Cabinet
SCALE: 1 1/2" = 1'-0"



4 Millwork Section - Accessible Sink
SCALE: 1 1/2" = 1'-0"



CASEWORK TYPES

GENERAL SHEET NOTES

A. Field verify all dimensions and conditions.

B. Provide matching filler pieces scribed to abutting surfaces where cabinet is indicated to be abutting adjacent surfaces or dissimilar materials or construction. Filler pieces to be flush with faces of doors and drawers.

C. Close all perimeter joints between cabinets, countertops, splashes, sinks, trim, dissimilar materials and finishes with sealant.

D. Finish all visible surfaces of cabinets, countertops, knee spaces, end panels, etc.

E. Scheduled room base finish to be applied continuously around all assembly items including knee spaces, cabinets, and panels, toe-boards, etc.

F. Provide backsplashes at abutting walls.

G. Provide grommets, 2" diameter, unless otherwise noted in all plastic laminate countertops with knee spaces, at 30" OC. Verify locations with Architect.

H. Dimensions indicated are nominal industry standards for manufactured wood or plastic laminate cabinets. Manufactured steel cabinets are similar.

I. Provide a 2" valance when a task light is indicated UNO

J. All cabinets are to be **[plywood/mdf]** with **[plastic laminate]** with white melamine inside finish, UNO

K. Refer to Finish Schedule for cabinet and countertop finish materials.

L. All plastic laminate countertops to have a PVC edge, UNO. Submit profile and color for Architect's approval.

KEYNOTES

SHEET NOTES

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

Interim Review
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02.22.2026

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No.	Date	Revision
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E	01/16/2026	Permit Review Set
F	02/22/2026	Bid and Permit Set

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Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

CASEWORK TYPES

A5-97

SCALE: As indicated

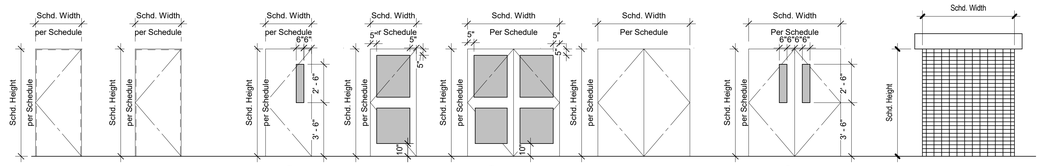
Project Name: ORG. #235 BAES Date:10/18/2024

DOOR SCHEDULE

Mark	From Room: Name	To Room: Name	Hardware Group	SGL/PR	Width	Height	Thickness	Door Type	Schedule Door Material	Door Finish	Frame Type	Frame Material	Frame Finish	Fire Rating	Comments
100A	ENTRY VESTIBULE		DER774AM	PR	6' - 0"	7' - 0"	1 3/4"	DG	AL	CLR ANO	SF-1	AL	CLR ANO	None	
100B	ENTRY VESTIBULE		C714AM	PR	6' - 0"	7' - 0"	1 3/4"	DG	AL	CLR ANO	SF-1	AL	CLR ANO	None	
100C	ENTRY CORRIDOR	ENTRY VESTIBULE	C710AMV	PR	6' - 0"	7' - 0"	1 3/4"	DG	AL	CLR ANO	SF-5	AL	CLR ANO	None	
100D	ENTRY CORRIDOR	ENTRY VESTIBULE	DE770AMV	PR	6' - 0"	7' - 0"	1 3/4"	DG	AL	CLR ANO	SF-5	AL	CLR ANO	None	
101	ENTRY VESTIBULE	RECEPTION	ER207A	SGL	3' - 0"	7' - 1"	1 3/4"	FG2	AL		SF-4	AL	CLR ANO	None	
102	RECEPTION	CRC	C207	SGL	3' - 0"	7' - 0"	1 3/4"	F	WD		A	HM		None	
103	RECEPTION	OFFICE MGR	C203-LE	SGL	3' - 0"	7' - 0"	1 3/4"	NG	WD		A	HM		None	
103A	VAULT / CL	RECEPTION	C201-LE	SGL	3' - 0"	7' - 0"	1 3/4"	F	WD		A	HM		None	
104	FLEX / WORK ROOM	RECEPTION	C201-LE	SGL	3' - 0"	7' - 0"	1 3/4"	NG	WD		A	HM		None	
105	ENTRY CORRIDOR	RECEPTION	CR201AC	SGL	3' - 0"	7' - 0"	1 3/4"	FG2	AL		-	AL		None	
106	FLEX / WORK ROOM	CORRIDOR	C201E-LE	SGL	3' - 0"	7' - 0"	1 3/4"	F	WD		A	HM		None	
107	FLEX / WORK ROOM	CONFERENCE ROOM	C201-LE	SGL	3' - 0"	7' - 0"	1 3/4"	NG	WD		A	HM		None	
108	FLEX / WORK ROOM	PRINCIPAL	C203-LE	SGL	3' - 0"	7' - 0"	1 3/4"	F	WD		D	HM		None	
109	CONFERENCE ROOM	CORRIDOR	C201E-LE	SGL	3' - 0"	7' - 0"	1 3/4"	F	WD		A	HM		None	
109A	CONFERENCE ROOM	RESTROOM	C341C-LE	SGL	3' - 0"	7' - 0"	1 3/4"	F	WD		A	HM		None	
110	STORAGE	CORRIDOR	C201E-LE	SGL	3' - 0"	7' - 0"	1 3/4"	F	WD		A	HM		None	
111	CORRIDOR		C201-LE	SGL	3' - 0"	7' - 0"	1 3/4"	F	WD		A	HM		None	
111A		RESTROOM	C341C-LE	SGL	3' - 0"	7' - 0"	1 3/4"	F	WD		A	HM		None	
112	MUSIC	ORCHESTRA ROOM	S221	SGL	3' - 0"	7' - 0"	1 3/4"	NG	WD		A	HM		None	
120A	CAFETERIA	KITCHEN	C201CH-LE	SGL	3' - 0"	7' - 0"	1 3/4"	FG2	HM		HM-2	HM	HM	None	
120B	CAFETERIA	KITCHEN	C201CH-LE	SGL	3' - 0"	7' - 0"	1 3/4"	FG2	HM		HM-2	HM	HM	None	
120C	CAFETERIA	KITCHEN	001L	OVHD	10' - 0 9/32"	8' - 6"	1"	CG						None	
122	LOCKER ROOM	RESTROOM	C341-LE	SGL	3' - 0"	7' - 0"	1 3/4"	F	WD		A	HM		None	
123	KITCHEN PREP	OFFICE	C203-LE	SGL	3' - 0"	7' - 0"	1 3/4"	NG	WD		A	HM		None	
124	KITCHEN PREP	DRY STORAGE STORAGE	C201-LE	SGL	3' - 0"	7' - 0"	1 3/4"	NG	WD		A	HM		None	
125	KITCHEN	PAPER STORAGE	C207-LE	SGL	3' - 0"	7' - 0"	1 3/4"	NG	WD		A	HM		None	
137	MEDIA	CORRIDOR			3' - 0"	7' - 0"	1 3/4"								
138	CAFETERIA	VESTIBULE			6' - 0"	7' - 0"	1 3/4"							None	
139	GYM	CORRIDOR			6' - 0"	7' - 0"	1 3/4"							None	
140	CORRIDOR		C714M	PR	6' - 0"	7' - 0"	1 3/4"	DNG	HM		B	HM		None	
141	MECH		D214	PR	6' - 0"	9' - 0"	1 3/4"	DF	HM		B	HM		None	
142	CORRIDOR		C714AM	PR	6' - 0"	7' - 0"	1 3/4"	DNG	AL	CLR ANO	C	AL	CLR ANO	None	
143	STOR		C205	SGL	3' - 0"	7' - 0"	1 3/4"	F	HM		A	HM		None	
144	AUDITORIUM		C715	SGL	3' - 0"	7' - 0"	1 3/4"	F	HM		A	HM		None	
145	MECH		D214	PR	6' - 0"	7' - 0"	1 3/4"	DF	HM		B	HM		None	
146	KITCHEN PREP		C715GHPV	SGL	4' - 0"	7' - 0"	1 3/4"	F2	HM		A	HM		None	
147	VESTIBULE		C714M	PR	6' - 0"	7' - 0"	1 3/4"	DG	HM		B	HM		None	
148	GYM		C715	SGL	6' - 0"	7' - 0"	1 3/4"	F	HM		A	HM		None	
150	CORRIDOR		C714M	PR	6' - 0"	7' - 0"	1 3/4"	DNG	HM		HM-1	HM		None	
151	CORRIDOR		C714M	PR	6' - 0"	7' - 0"	1 3/4"	DNG	HM		HM-1	HM		None	
152	CORRIDOR				6' - 0"	7' - 0"	1 3/4"							None	

Grand total: 41

DOOR TYPES



F
Full Flush
WD - Wood, solid core
HM - Hollow Metal

F2
Full Flush
HM - Hollow Metal, Foam core
HM - Hollow Metal

NG
Narrow Glass
WD - Wood, solid core
HM - Hollow Metal

FG2
Full Glass, 2 Lite
AL - Aluminium
Wide Stile

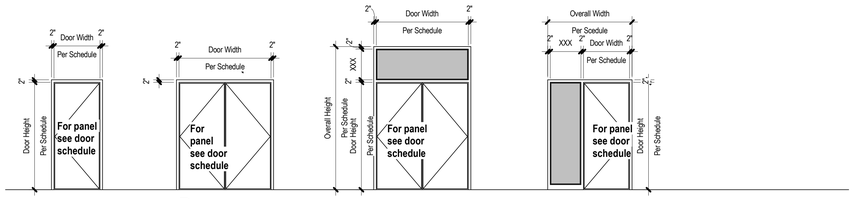
DG
Glass Half Lite Double
AL - Aluminium
Wide Stile

DF
Full Flush Double
WD - Wood, solid core
HM - Hollow Metal

DNG
Full Flush Double
WD - Wood, solid core
HM - Hollow Metal

CG
COILING GRILLE

FRAME ELEVATIONS



A
08 11 13
16 gauge Hollow Metal interior frame
full weld, single rabbet

B
08 11 13
16 gauge Hollow Metal interior frame
full weld, single rabbet

C
08 11 13
16 gauge Hollow Metal interior frame
full weld, single rabbet

D
08 11 13
16 gauge Hollow Metal interior frame
full weld, single rabbet

GENERAL SHEET NOTES

A. All new doors and frames are assumed to be in non fire rated partitions. If existing fire rated assemblies are discovered during demolition or construction, fire rated doors and frames will be required in accordance with applicable codes.

KEYNOTES

SHEET NOTES

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
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f. 713-229-0692
Contact: Ben Sauceda

Interim Review
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02.22.2026

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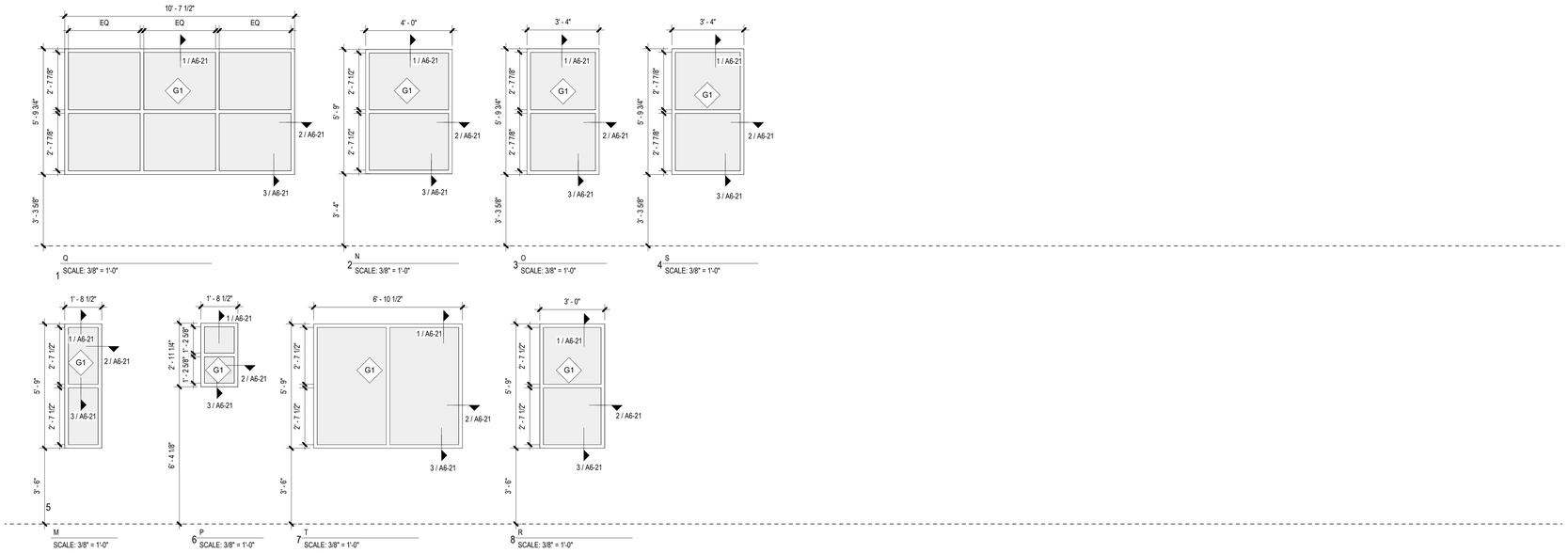
DOOR TYPES AND SCHEDULES

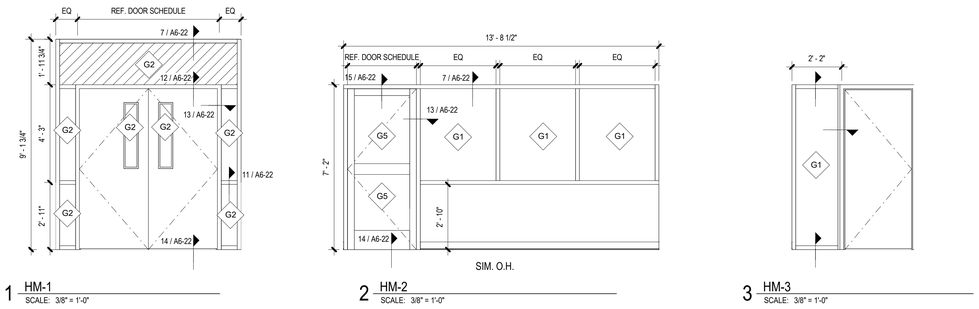
A6-10

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

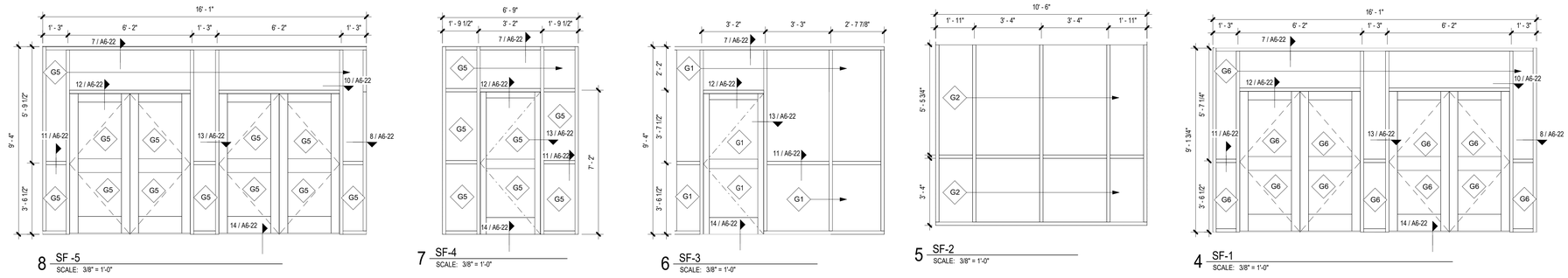
Project Name: ORG. #235 BAES Date:10/18/2024



EXTERIOR WINDOW ELEVATION



HOLLOW METAL STOREFRONTS



INTERIOR AND EXTERIOR ALUMINIUM STOREFRONTS

GENERAL SHEET NOTES

A. Field measure to confirm dimensions of all rough openings. Verify with Architect about any discrepancies pior to procurement.

KEYNOTES

SHEET NOTES

- G1 **[Clear]** Tempered Glass
- G2 **[Tinted]** Insulating Glass, Tempered
- G3 Ceramic Coated Spandrel Glass
- G4 Clear Float Glass
- G5 **[Clear/Tinted]** Tempered Glass, with 3M Scotchshield window Fill Ultra 800 Series Film (or approved equal)
- G6 **[Clear/Tinted]** Insulating Glass, Tempered with 3M Scotchshield window Fill Ultra 800 Series Film (or approved equal)

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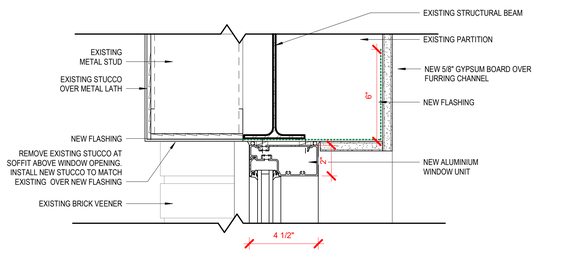
STOREFRONT ELEVATIONS

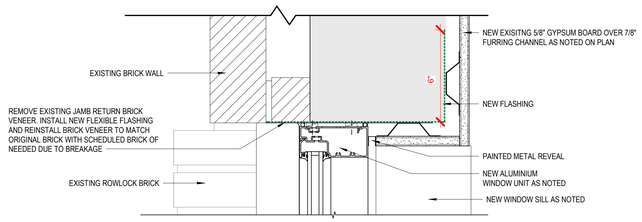
A6-20

SCALE: As indicated

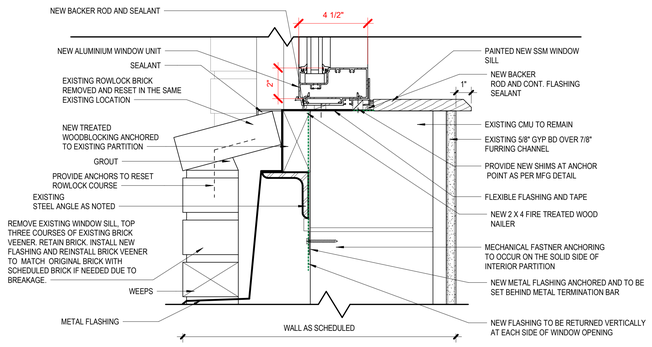
ALUMINIUM WINDOW DETAILS



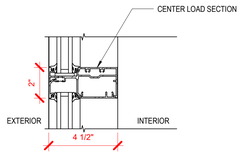
1 EXTERIOR ALUMINUM WINDOW- HEAD
SCALE: 3" = 1'-0"



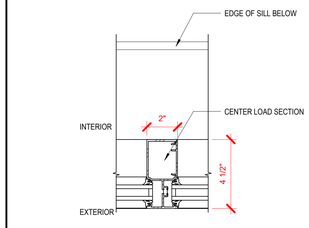
2 EXTERIOR ALUMINIUM WINDOW- JAMB
SCALE: 3" = 1'-0"



3 EXTERIOR AL WINDOW - SILL
SCALE: 3" = 1'-0"



4 EXTERIOR AL WINDOW HORIZONTAL MULLION
SCALE: 3" = 1'-0"



5 EXTERIOR AL WINDOW VERTICAL MULLION
SCALE: 3" = 1'-0"

GENERAL SHEET NOTES

A. Field Measure to confirm dimensions of all rough openings. Verify with Architect any discrepancies prior to procurment.

B. Refer sheet A6-20 for window type.

KEYNOTES

SHEET NOTES

- G1 **[Clear]** Tempered Glass
- G2 **[Tinted]** Insulating Glass, Tempered
- G3 Ceramic Coated Spandrel Glass
- G4 Clear Float Glass
- G5 **[Clear/Tinted]** Tempered Glass, with 3M Scotchshield window Fill Ultra 800 Series Film (or approved equal)
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Contact: Dylan Akers
T: 972-887-5566

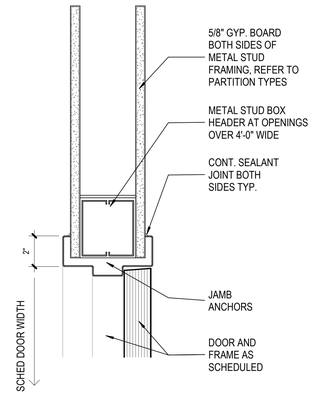
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

WINDOW DETAILS

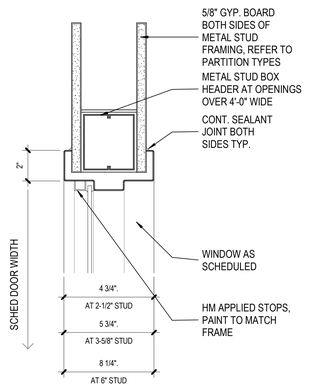
A6-21

SCALE: As indicated

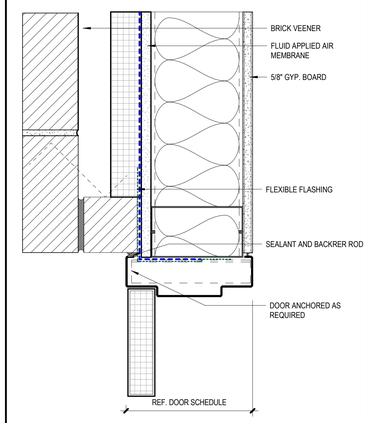
INTERIOR AND EXTERIOR HOLLOWMETAL DOOR/ WINDOW DETAILS



1 HM DOOR HEAD
SCALE: 3" = 1'-0"

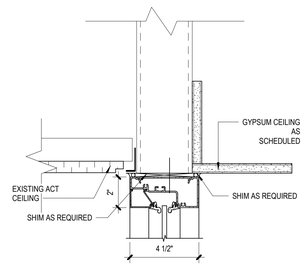


4 HM WINDOW HEAD
SCALE: 3" = 1'-0"

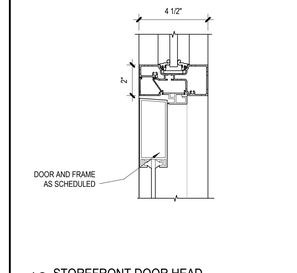


16 HM EXTERIOR DOOR JAMB AT BRICK
SCALE: 3" = 1'-0"

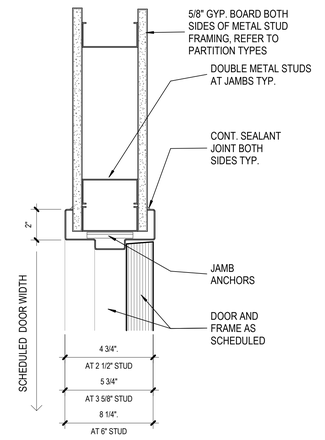
INTERIOR AND EXTERIOR ALUMINIUM STOREFRONT DETAILS



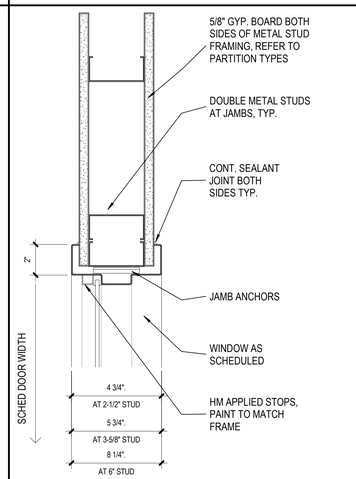
7 STOREFRONT HEAD
SCALE: 3" = 1'-0"



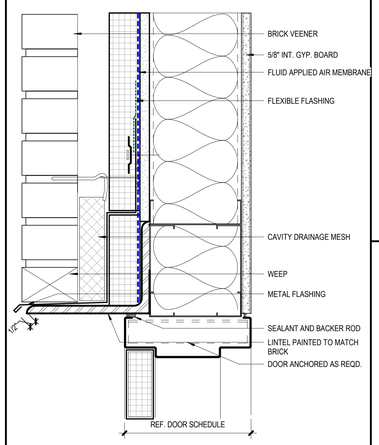
12 STOREFRONT DOOR HEAD
SCALE: 3" = 1'-0"



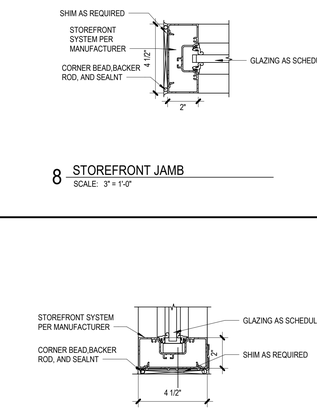
2 HM DOOR JAMB
SCALE: 3" = 1'-0"



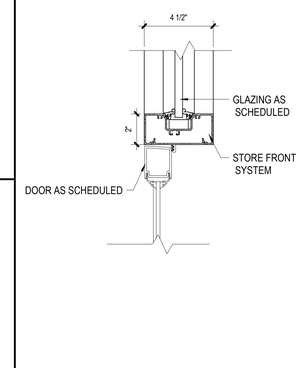
5 HM WINDOW JAMB
SCALE: 3" = 1'-0"



15 HM EXTERIOR DOOR HEAD AT BRICK
SCALE: 3" = 1'-0"

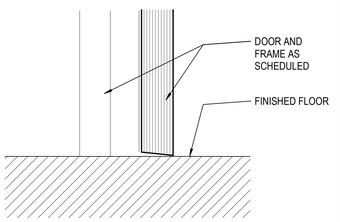


8 STOREFRONT JAMB
SCALE: 3" = 1'-0"

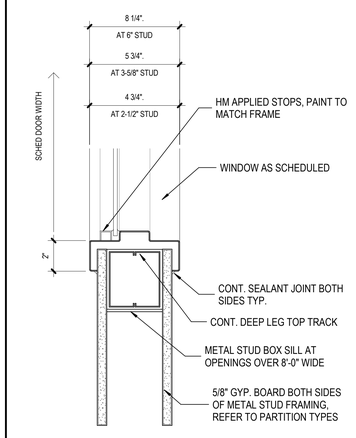


13 STOREFRONT DOOR JAMB
SCALE: 3" = 1'-0"

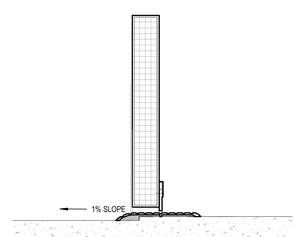
9 STOREFRONT SILL
SCALE: 3" = 1'-0"



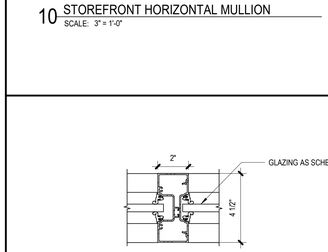
3 HM INTERIOR DOOR SILL
SCALE: 3" = 1'-0"



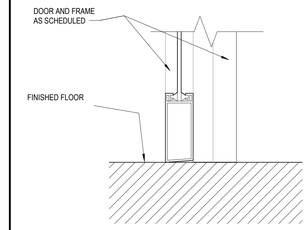
6 HM WINDOW SILL
SCALE: 3" = 1'-0"



17 HM EXTERIOR DOOR SILL
SCALE: 3" = 1'-0"



10 STOREFRONT HORIZONTAL MULLION
SCALE: 3" = 1'-0"



14 STOREFRONT DOOR SILL
SCALE: 3" = 1'-0"

11 STOREFRONT VERTICAL MULLION
SCALE: 3" = 1'-0"

GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p: 713-229-0688
f: 713-229-0692
Contact: Ben Sauceda

Interim Review
These documents are for review only and are not intended for permitting, bidding, or construction.

02.22.2026

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Written dimensions on these drawings shall have precedence over scale dimensions. Contractors shall be responsible for all dimensions and conditions on the job. HarrisonKornberg Architects, LLC must be notified of any variation from the dimension and conditions shown by these drawings.

ISSUES & REVISIONS

No.	Date	Revision
C	2/9/2024	50% Construction Documents
D	06/13/2025	95% Construction Documents
E	01/16/2026	Permit Review Set
F	02/22/2026	Bid and Permit Set

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Selvakumar Viswanathan
T: 214-625-5803

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Karl Schaak, PE, RRC
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

STOREFRONT, WINDOWS AND DOORS DETAILS

A6-22

SCALE: 3" = 1'-0"

Project Name: ORG. #235 BAES Date:10/18/2024

FINISH SCHEDULE

Number	Name	Floor Finish	Floor Accent	Wall Finish	Wall Base	Ceiling Finish	Cabinet Finish	Countertop Finish
100	ENTRY VESTIBULE	VCT-1	-	PT-1, All Walls	RB-1	ACT-1	-	-
101	RECEPTION	VCT-1	-	PT-1, BR-2	RB-1	ACT-1	PLAM-1	SSM-1
101A	CRC	CPT-1	-	PT-1, All Walls	RB-1	ACT-1, GYP	-	-
101B	OFFICE MGR	CPT-1	-	PT-1, All Walls	RB-1	ACT-1, GYP	-	-
101C	VAULT / CL	VCT-1	-	PT-1, All Walls	-	GYP	-	-
102	FLEX / WORK ROOM	VCT-1	-	PT-1, All Walls	RB-1	ACT-1	PLAM-1	-
102A	PRINCIPAL	CPT-1	-	PT-1, All Walls	RB-1	ACT-1, GYP	PLAM-1	-
103	CONFERENCE ROOM	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
103A	VEST	-	-	-	-	-	-	-
103B	RR	-	-	-	-	-	-	-
104	CONFERENCE ROOM	CPT-1	-	PT-1, All Walls	RB-1	ACT-1	PLAM-1	-
104A	RESTROOM	TL-1	-	TL-2, PT-1, All Walls	-	GYP	-	-
105	KINDER CLASSROOM	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
105A	VEST	-	-	-	-	-	-	-
105B	RR	-	-	-	-	-	-	-
106	KINDER CLASSROOM	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
106A	STOR	-	-	-	-	-	-	-
106B	W/C	-	-	-	-	-	-	-
107	STOR	-	-	-	-	-	-	-
107A	STOR	-	-	-	-	-	-	-
108	STOR	-	-	-	-	-	-	-
109	CUSTODIAN	-	-	-	-	-	-	-
110	CLASSROOM	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
110A	STOR	-	-	-	-	-	-	-
110B	REST	-	-	-	-	-	-	-
111	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
111A	VEST	-	-	-	-	-	-	-
111B	RR	-	-	-	-	-	-	-
112	PRE-K	-	-	-	-	-	-	-
112B	RR	-	-	-	-	-	-	-
113	RR	-	-	-	-	-	-	-
114	PRE-K	-	-	-	-	-	-	-
114A	RR	-	-	-	-	-	-	-
114B	STOR	-	-	-	-	-	-	-
115	MECH	-	-	-	-	-	-	-
116	PRE-K	-	-	-	-	-	-	-
116A	STOR	-	-	-	-	-	-	-
116B	RR	-	-	-	-	-	-	-
117	ELEC	-	-	-	-	-	-	-
118A	PRE-K	-	-	-	-	-	-	-
118B	RR	-	-	-	-	-	-	-
119	MDF	-	-	-	-	-	-	-
120	CLINIC	-	-	PT-1, All Walls	-	-	-	-
120A	VEST	-	-	-	-	-	-	-
120B	W/C	-	-	-	-	-	-	-
120C	NURSE	-	-	PT-1, All Walls	-	-	-	-
121	STORAGE	VCT-1	-	PT-1, All Walls	-	GYP	-	-
122	STAFF BREAK RM	VCT-1	-	PT-1, All Walls	RB-1	ACT-1	PLAM-1	SSM-1
122A	CL	VCT-1	-	PT-1, All Walls	-	GYP	-	-
122A	RESTROOM	TL-1	-	TL-2, PT-1, All Walls	-	GYP	-	-
123	GIRL'S RR	-	-	-	-	-	-	-
124	STAFF TOILET	-	-	-	-	-	-	-
124A	WORKROOM	-	-	-	-	-	-	-
125	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
126	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
127	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
128	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
129	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
130	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
131	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
132	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
132F	ENTRY CORRIDOR	-	-	-	-	-	-	-
132G	CORRIDOR	-	-	-	-	-	-	-
133	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
134	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
135	BOY'S RR	-	-	-	-	-	-	-
136	CUSD	-	-	-	-	-	-	-
137	LOUNGE	VCT-1	-	PT-1, All Walls	-	-	PLAM-1	-
137A	A / REST	-	-	-	-	-	-	-
138	AUDITORIUM	-	-	-	-	-	-	-
139	STAGE	-	-			-	-	-
140	BOOK STORAGE	VCT-1	-	PT-1, All Walls	-	ACT-1	PLAM-1	HPL-1
141	MEDIA	CPT-1	CPT-2, CPT-3	PT-1, All Walls	RB-1	ACT-1	PLAM-1	HPL-1
142	STOR/ MECH	-	-	-	-	-	-	-
143	W/D UTILITY	VCT-1	-	PT-1, All Walls	-	ACT-1	PLAM-1	HPL-1
144	CUSD	-	-	-	-	-	-	-
145	GYM	WD-1	-	PT-1, GR -1 (South Wall)	-	-	-	-
145A	RR	-	-	-	-	-	-	-
145B	OFFICE	-	-	PT-1, All Walls	-	-	-	-
146	MECH	-	-	-	-	-	-	-
146A	A / REST	-	-	-	-	-	-	-
147	A/REST	-	-	-	-	-	-	-
148	SCIENCE	VCT-1	VCT-2	PT-1, All Walls	-	-	-	-
149	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
150	CAFETERIA	VCT-1	VCT-2	PT-1, All Walls	RB-1	ACT-1, GYP	-	-
150A	PAPER STORAGE	QTL-1	-	PT-1, FRP	-	GYP	-	-
150B	KITCHEN	QTL-1	-	TL-2, TL-3, TL-4	-	VOG	-	-
150C	KITCHEN PREP	QTL-1	-	TL-2, TL-3, TL-4	-	VOG	-	-
150D	COLD STORAGE	QTL-1	-	PT-1, All Walls	-	-	-	-
150E	DRY STORAGE STORAGE	QTL-1	-	PT-1, All Walls	-	GYP	-	-
150F	OFFICE	QTL-1	-	PT-1, All Walls	-	ACT-1	-	-

FINISH SCHEDULE

Number	Name	Floor Finish	Floor Accent	Wall Finish	Wall Base	Ceiling Finish	Cabinet Finish	Countertop Finish
150G	LOCKER ROOM	QTL-1	-	TL-3, All Walls	RB-1	ACT-1	-	-
150H	RESTROOM	TL-1	-	TL-2, PT-1, All Walls	-	GYP	-	-
150J	VESTIBULE	VCT-1	VCT-2	PT-1, All Walls	RB-1	ACT-1	-	-
151	MUSIC	VCT-1	VCT-2	PT-1, All Walls	-	-	-	-
152	ORCHESTRA ROOM	VCT-1	VCT-2	PT-1, All Walls	-	-	-	-
153	COUNSELOR	-	-	-	-	-	-	-
154	BOY'S RR	-	-	-	-	-	-	-
155	COMPUTER	VCT-1	VCT-2	PT-1, All Walls	-	-	PLAM-1	HPL-1
156	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
157	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
158	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
159	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
160	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
161	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
162	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
163	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
164	CLASS	VCT-1	VCT-2	PT-1, All Walls	RB-1	-	PLAM-1	-
165	A. PRINC	VCT-1	-	PT-1, All Walls	-	ACT-1	-	-
165A	A / REST	-	-	-	-	-	-	-
166	GIRL'S RR	-	-	-	-	-	-	-
167	CUSD	-	-	-	-	-	-	-
A1	CORRIDOR	-	-	-	-	-	-	-
A2	CORRIDOR	-	-	-	-	-	-	-
A3	CORRIDOR	-	-	-	-	-	-	-
B1	CORRIDOR	-	-	-	-	-	-	-
B2	CORRIDOR	-	-	-	-	-	-	-
C1	CORRIDOR	-	-	-	-	-	-	-

FINISH LEGEND

Specs	Ref	Product Category	Manufacturer	General Location	Color	Notes
	GR-1	Graphic		Gym Wall		
	SSM- 1	Solid Surface		Countertops, Window Sills		
	XBM-1	Brick		Exterior Walls		Refer Specs
	XMP-1	Metal Wall Panel		Exterior Walls		Refer Specs
06 41 16						
06 41 16	PLAM-1	Laminate	Wilsonart	Casework	Montana Walnut 7110	
09 30 13						
09 30 13	QTL-1	Quarry Tile	Daltile	Kitchen Floor	Gray 0Q92 - 6x6x3/8, 1/8" Grout	
09 30 13	TL-1	Tile	Marazzi	Restroom Floor	Block - BK02 - Silver Square 24x24	
09 30 13	TL-2	Tile	Daltile	Restroom, Kitchen, Drinking Fountain	Memory Gray Rectangle - 2x8 - Matte Finish	
09 30 13	TL-3	Ceramic Tile	Daltile	Kitchen Walls	Desert Gray Rectangle - 4x16 - Glossy Finish	
09 30 13	TL-4	Tile	Daltile	Kitchen, Drinking Fountain	Sea Breeze Rectangle - 2x8 - Matte Finish	
09 64 66						
09 64 66	WD-1	Wood Floor		Gym	Light wood	Light wood to match current Gym floor
09 65 19						
09 65 19	VCT-1	Vinyl Composition Tile		Classrooms	White	To match existing BAES White
09 65 19	VCT-2	Vinyl Composition Tile	Armstrong Flooring	Classrooms	Soft Cool Gray	
09 68 13						
09 68 13	CPT-1	Carpet Tile	Mohawk Group	Office	Datum BT284 Granite	
09 68 13	CPT-2	Carpet Tile	Mohawk Group	Office	Datum BT284 Basalt	
09 68 13	CPT-3	Carpet Tile	Mohawk Group	Office	Datum BT284 Opal	
09 91 13						
09 91 13	XPT-1	Exterior Paint		Exterior Walls		Refer Specs
09 91 13	XPT-2	Exterior Paint		Canopy		Refer Specs
09 91 13	XPT-3	Exterior Paint		Existing Metal Items		Refer Specs
09 91 13	XPT-4	Exterior Paint		Downspouts & Gutters		Refer Specs
09 91 23						
09 91 23	PT-1	Paint		Walls	Soft Sesame OW227 - Semi Gloss	To match DISD TDG
09 91 23	PT-2	Paint		Columns, Door Frames	Blue	To match BAES existing Blue
09 91 23	PT-3	Paint		Lockers	Red	To match BAES existing Red
36 23 13						
36 23 13	HPL-1	High Pressure Laminate	Wilsonart	Casework Countertop	Aluma Marble 5067K-15	

GENERAL SHEET NOTES

A. Upon completion of the work, the General Contractor shall remove from the premises all waste materials, rubbish, wrappings and cartons, etc. as generated by finish materials.

B. Any surface mounted plug mold and conduit to be painted to match adjacent wall.

C. All general wall paint to be **"PT-1"** and Base to be existing. One prime coat and two finish coats.

D. Contractor shall inspect all surfaces to recieve painting and correct all defects before start of work.

E. Carpet installation method accordance with manufacturer's specifications. Cut around all power in feeds as required.

F. All carpet installations to be approved by the architect. Any doming, cupping or exagerated seams are unacceptable. GC to submit seaming plan to architect for approval.

G. Carpet contractor shall remove all spots and adhesive smears from surface with manufacturer's approved cleaning agent.

H. Resilient flooring tiles are to be rotated installation method.

I. All resilient flooring to be installed as per the manufacturer's specific requirements.

J. Contractor to provide and install vinyl reducing strips to match carpet between the carpeted and vinyl tiled areas. Architect to approve color, Johnsonite or equal.

K. All base on carpet to be straight. Install cove base on V.C.T.

L. Contractor to verify stock of all existing finishes.

M. Painting contractor to touch up work after all trades.

N. Supply 10% attic stock of carpet to re-carpet at future time as required. Provide breakout cost of attic stock.

P. Contractor to include overtime as necessary to complete nosious work (fumes) so as not to disrupt other trades/ adjoining occupied areas.

Q. Underside of concrete slab, exposed beams and columns, equipment, electric conduit and any miscellaneous items are to be properly prepared and primed to recieve a paint finish.

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p: 713-229-0688
f: 713-229-0692
Contact: Ben Sauceda

Interim Review
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02.22.2026

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No.	Date	Revision
C	2/9/2024	50% Construction Documents
D	06/13/2025	95% Construction Documents
E	01/16/2026	Permit Review Set
F	02/22/2026	Bid and Permit Set

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
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Contact: Hunter Harris
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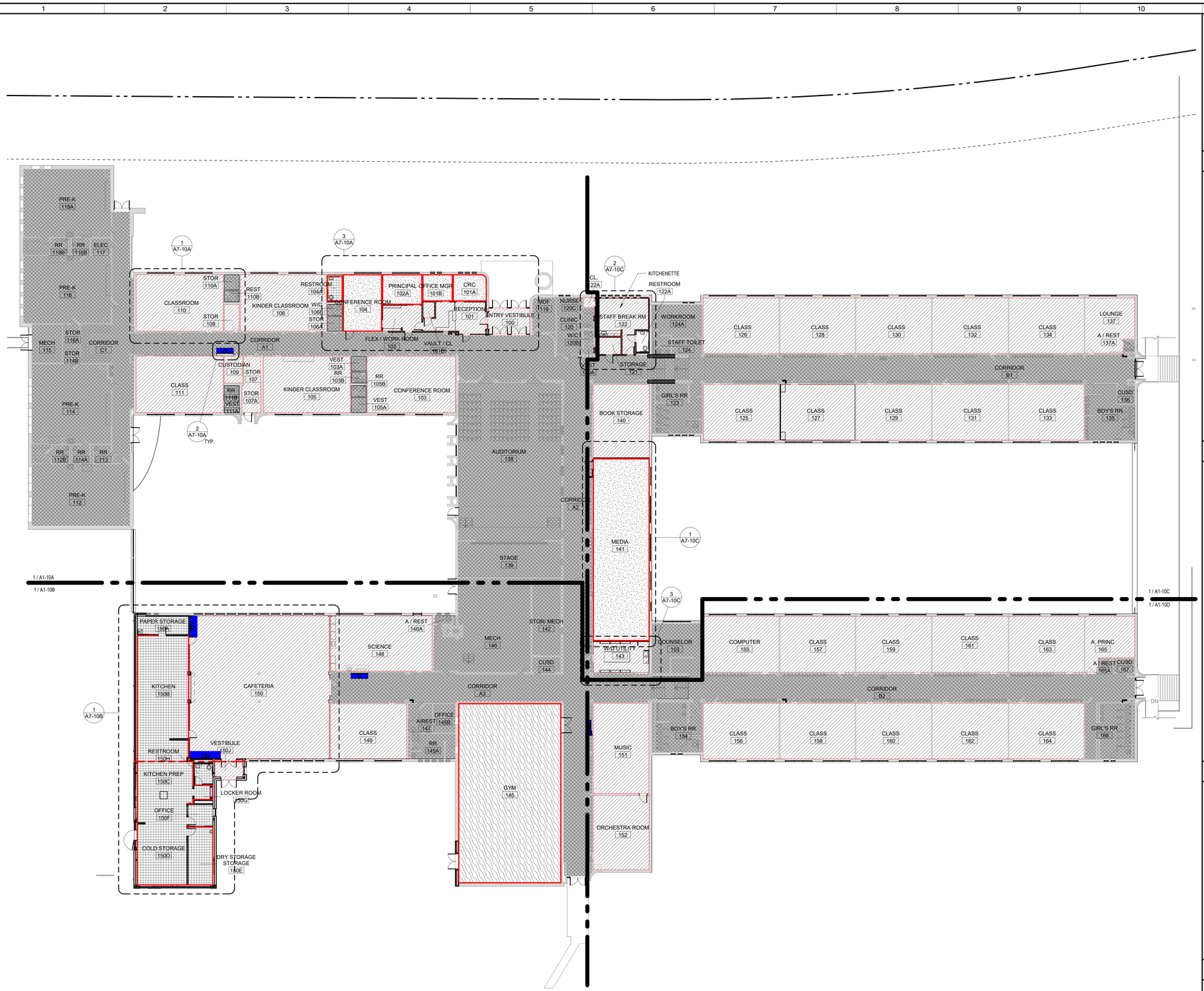
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

FINISH SCHEDULES AND LEGENDS

A7-00

SCALE: 12" = 1'-0"

Project Name: ORG. #235 BAES Date:10/18/2024



1 LEVEL 1 - OVERALL FINISH PLAN
SCALE: 1/16" = 1'-0"

GENERAL SHEET NOTES

A. Upon completion of the work, the General Contractor shall remove from the premises all waste materials, rubbish, wrappings and cartons, etc. as generated by finish materials.

B. Any surface mounted plug mold and conduit to be painted to match adjacent wall.

C. All general wall paint to be "PT-1" and Base to be existing. One prime coat and two finish coats.

D. Contractor shall inspect all surfaces to recieve painting and correct all defects before start of work.

E. Carpet installation method accordance with manufacturer's specifications. Cut around all power in feeds as required.

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G. Carpet contractor shall remove all spots and adhesive smears from surface with manufacturer's approved cleaning agent.

H. Resilient flooring tiles are to be rotated installation method.

I. All resilient flooring to be installed as per the manufacturer's specific requirements.

J. Contractor to provide and install vinyl reducing strips to match carpet between the carpeted and vinyl tiled areas. Architect to approve color, Johnsonite or equal.

K. All base on carpet to be straight. Install cove base on V.C.T.

L. Contractor to verify stock of all existing finishes.

M. Painting contractor to touch up work after all trades.

N. Supply 10% attic stock of carpet to re-carpet at future time as required. Provide breakout cost of attic stock.

P. Contractor to include overtime as necessary to complete nosious work (fumes) so as not to disrupt other trades/ adjoining occupied areas.

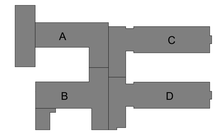
Q. Underside of concrete slab, exposed beams and columns, equipment, electric conduit and any miscellaneous items are to be properly prepared and primed to recieve a paint finish.

KEYNOTES

- CARPET TILE
- VINYL COMPOSITION TILE
- TILE
- WOOD FLOOR
- ACCENT TILE
- NOT IN SCOPE

SHEET NOTES

KEY PLAN



Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

Interim Review
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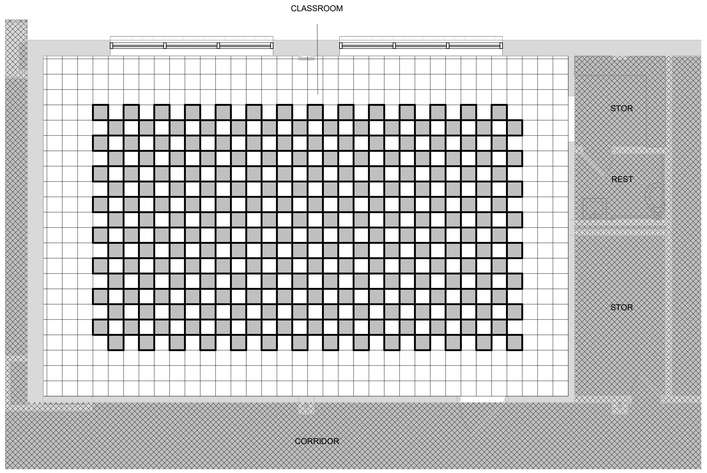
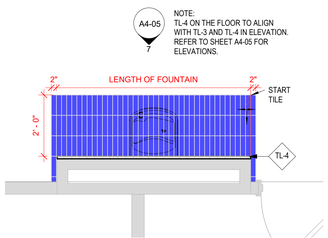
OVERALL FINISH FLOOR PLAN

A7-10

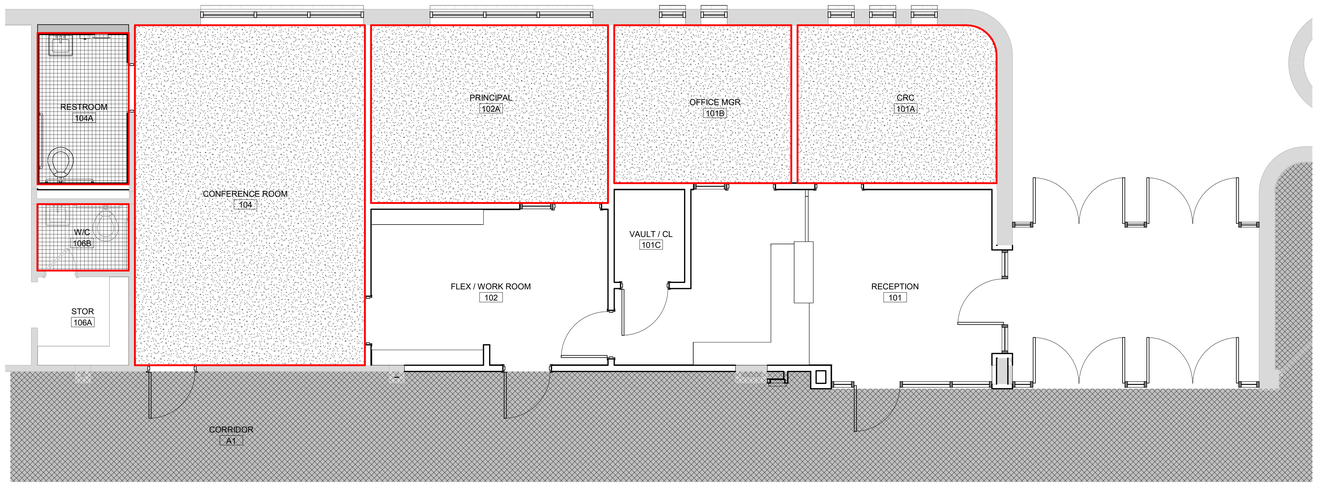
SCALE: As indicated



1 LEVEL 1 - TYPICAL CLASSROOM FINISH PLAN
SCALE: 1/4" = 1'-0"



2 LEVEL 1 - DRINKING FOUNTAIN CORRIDOR A1/ TYP. FINISH PLAN
SCALE: 1/2" = 1'-0"



3 LEVEL 1 - AREA A - ADMIN SUITE FINISH PLAN
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

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KEYNOTES

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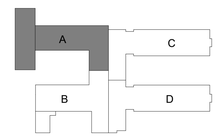
- CPT-2 - CARPET TILE
- CPT-3 - CARPET TILE
- VCT-1 - VINYL COMPOSITION TILE
- VCT-2 - VINYL COMPOSITION TILE
- TL-1 - TILE
- WD-1 - WOOD FLOOR
- QTL-1 - QUARRY TILE
- TL-4 - ACCENT TILE
- NOT IN SCOPE

SHEET NOTES

KEY PLAN



N

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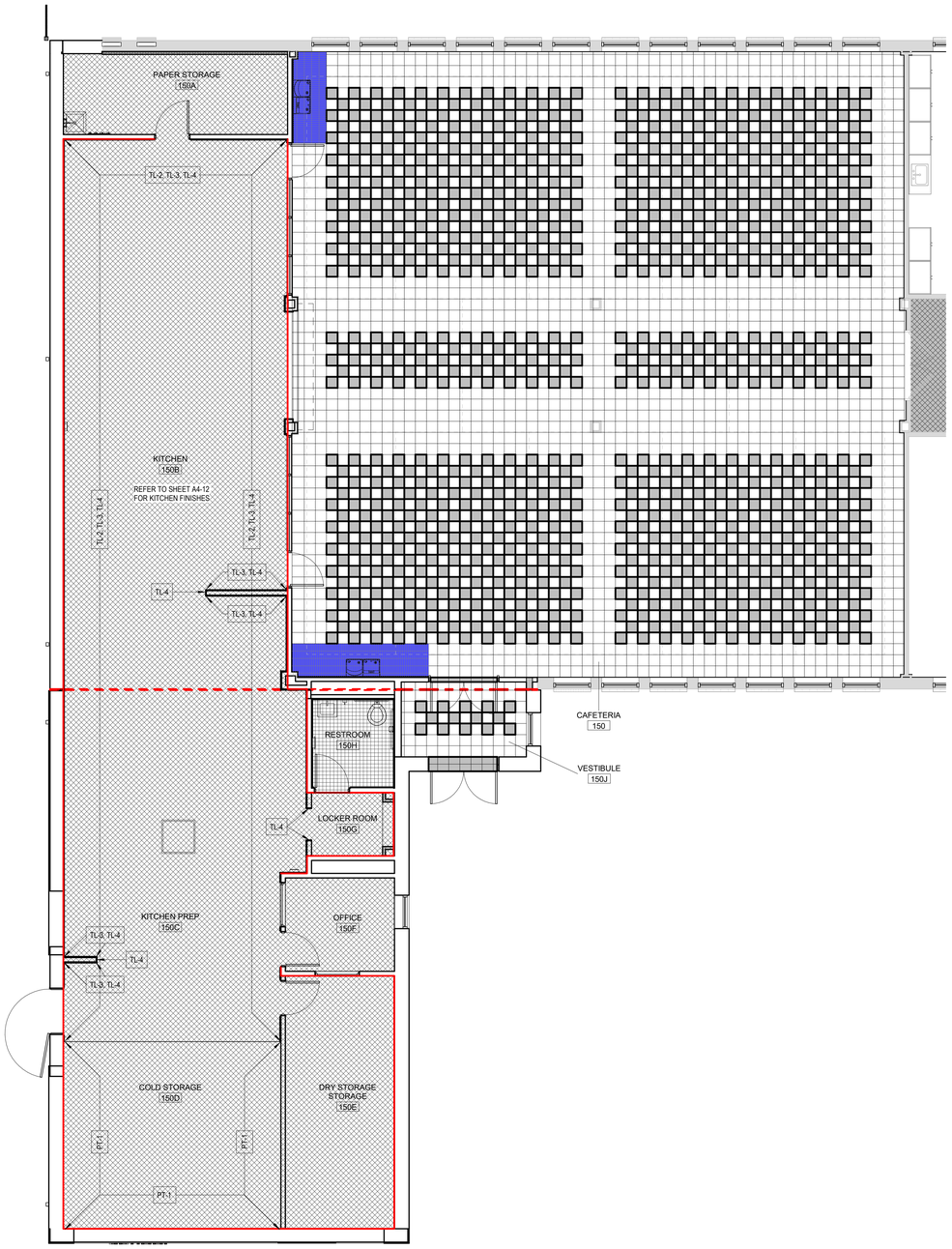
FINISH FLOOR PLAN - AREA A

A7-10A

SCALE: As indicated



1 LEVEL 1 - AREA B - CAFETERIA & KITCHEN FINISH PLAN
SCALE: 3/16" = 1'-0"

GENERAL SHEET NOTES

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- CPT-2 - CARPET TILE
- CPT-3 - CARPET TILE
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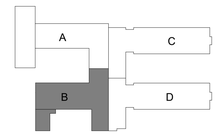
- VCT-2 - VINYL COMPOSITION TILE
- TL-1 - TILE
- WD-1 - WOOD FLOOR
- QTL-1 - QUARRY TILE
- TL-4 - ACCENT TILE
- NOT IN SCOPE

SHEET NOTES

KEY PLAN



N

Bid and Permit

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DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
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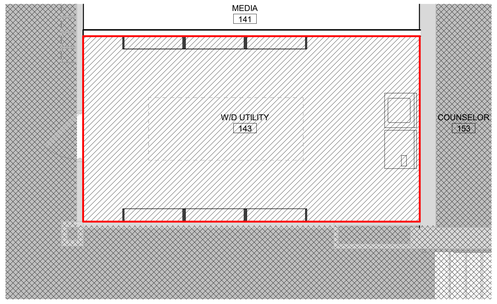
FINISH FLOOR PLAN - AREA B

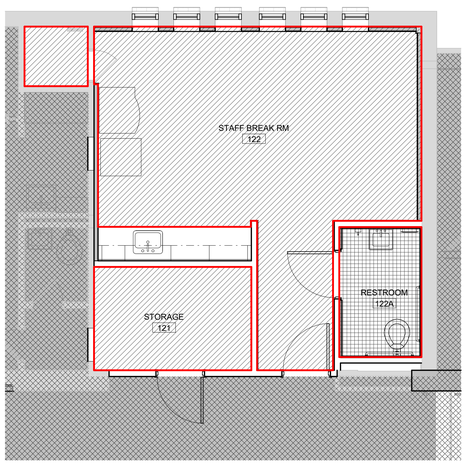
A7-10B

SCALE: As indicated

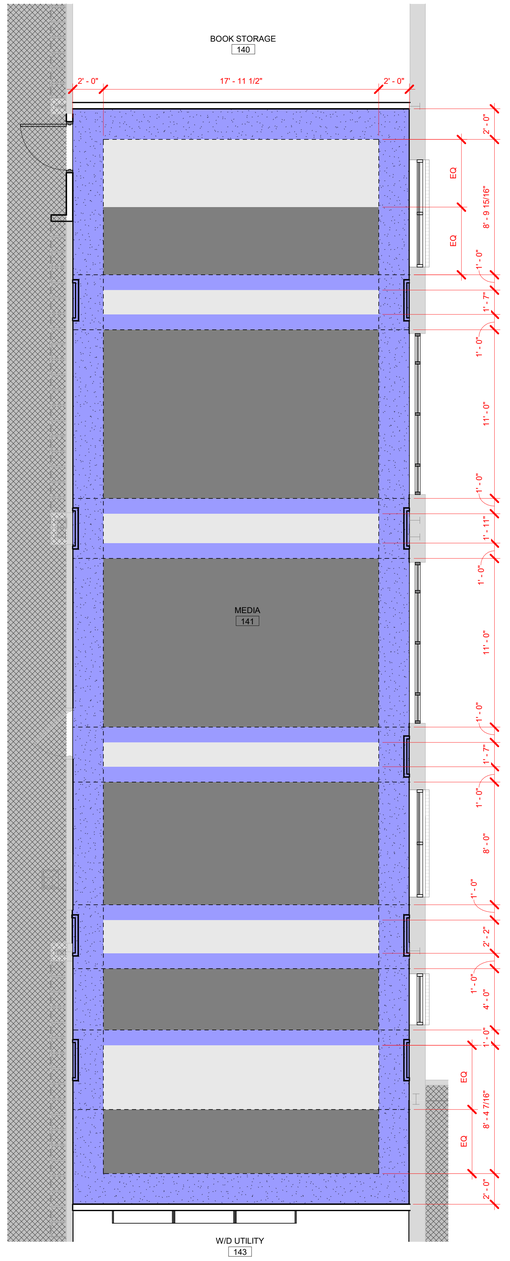
Project Name: ORG. #235 BAES Date:10/18/2024



3 LEVEL 1 - AREA C - STUDENT SUPPORT ROOM FINISH PLAN_1
SCALE: 1/4" = 1'-0"



2 LEVEL 1 - AREA C - STAFF BREAK ROOM FINISH PLAN
SCALE: 1/4" = 1'-0"



1 LEVEL 1 - AREA C - MEDIA CENTER FINISH PLAN
SCALE: 1/4" = 1'-0"

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- CPT-3 - CARPET TILE
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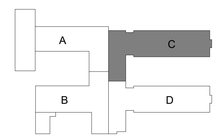
- VCT-2 - VINYL COMPOSITION TILE
- TL-1 - TILE
- WD-1 - WOOD FLOOR
- QTL-1 - QUARRY TILE
- TL-4 - ACCENT TILE
- NOT IN SCOPE

SHEET NOTES

KEY PLAN



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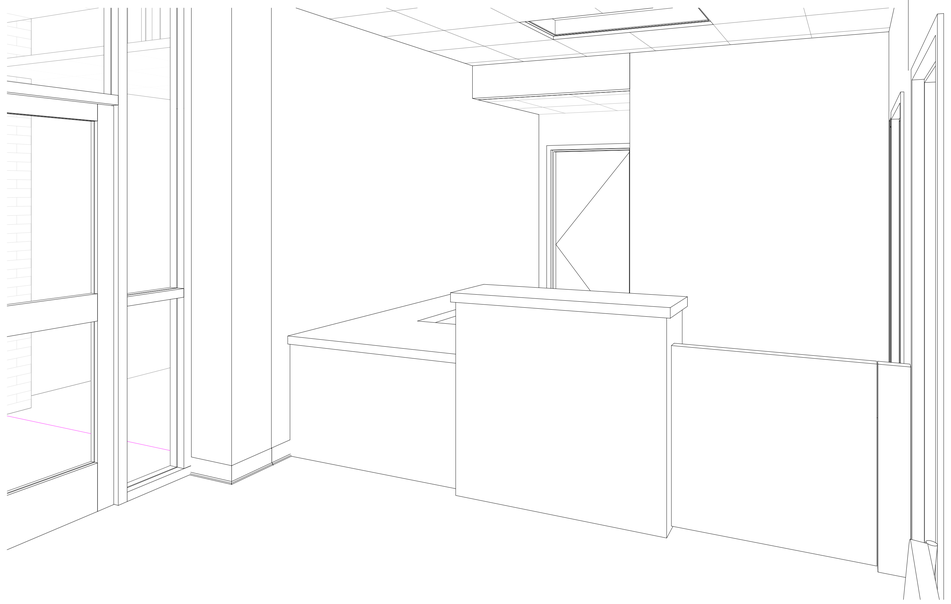
FINISH FLOOR PLAN - AREA C

A7-10C

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/16/2024

Reception Entry



Reception Desk

Cafeteria

Conference Room

Bid and Permit

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IT / AV / Security:
TLC Engineering
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T: 972-887-5566

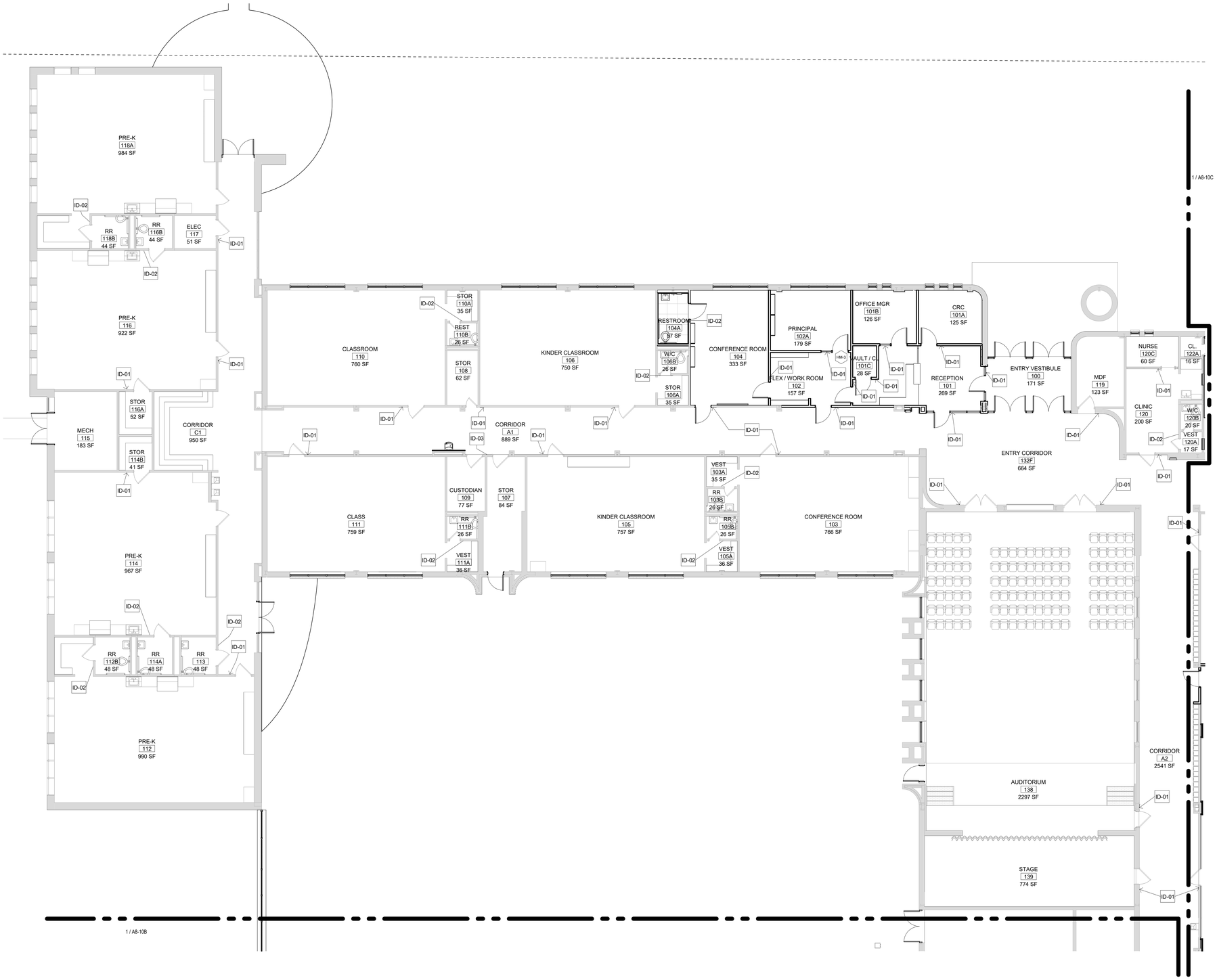
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

INTERIOR PERSPECTIVES

A7-60

SCALE:

Project Name: ORG. #235 BAES Date:10/18/2024



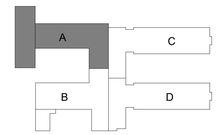
GENERAL SHEET NOTES

A. Refer sheet A8-40 for signage ID types.

KEYNOTES

SHEET NOTES

KEY PLAN



N

LEVEL 1 - AREA A - SIGNAGE PLAN

A8-10A

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

Interim Review
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02.22.2026

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MEPCE
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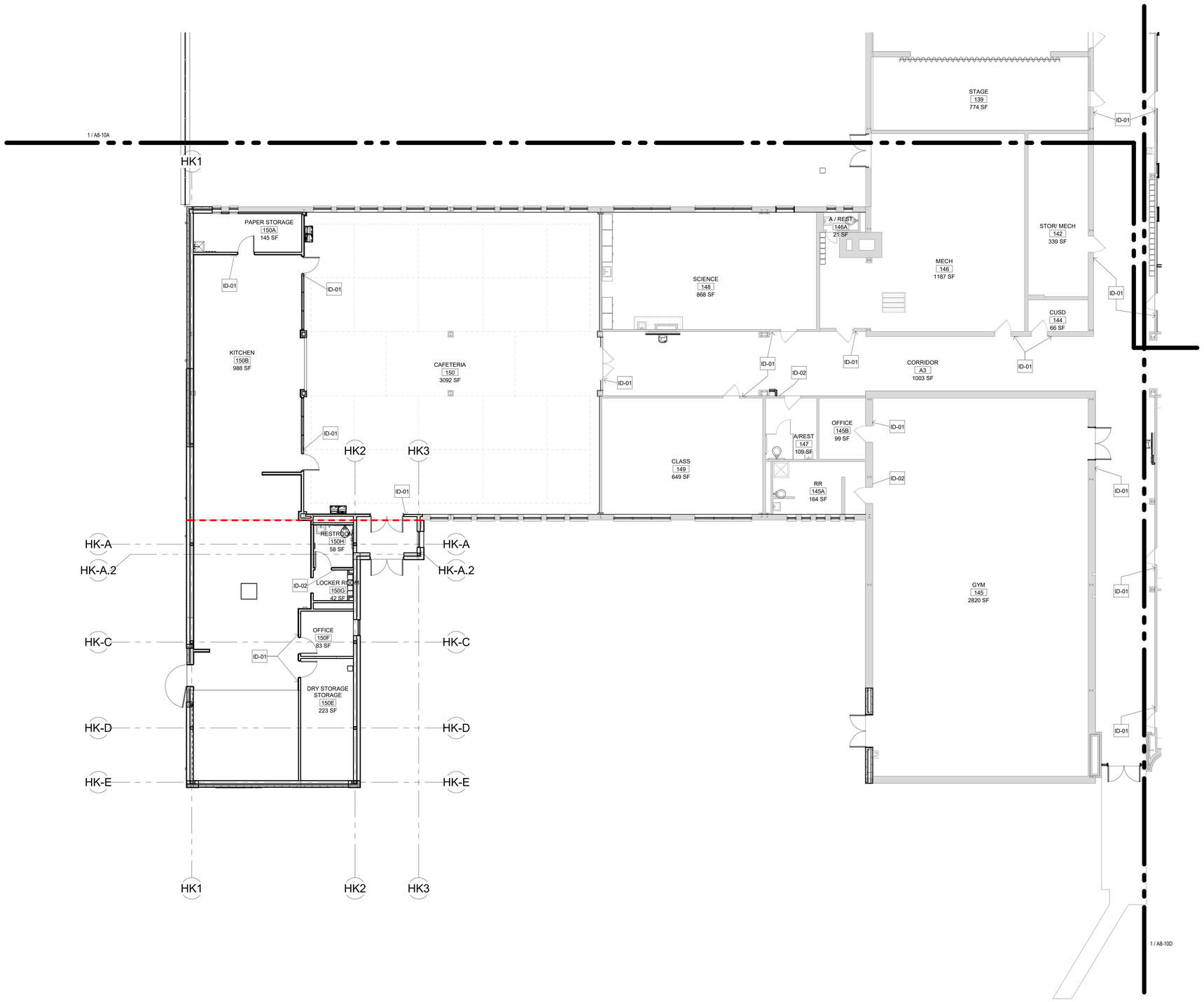


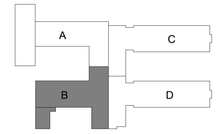
GENERAL SHEET NOTES

A. Refer sheet A8-40 for signage ID types.

KEYNOTES

SHEET NOTES

KEY PLAN



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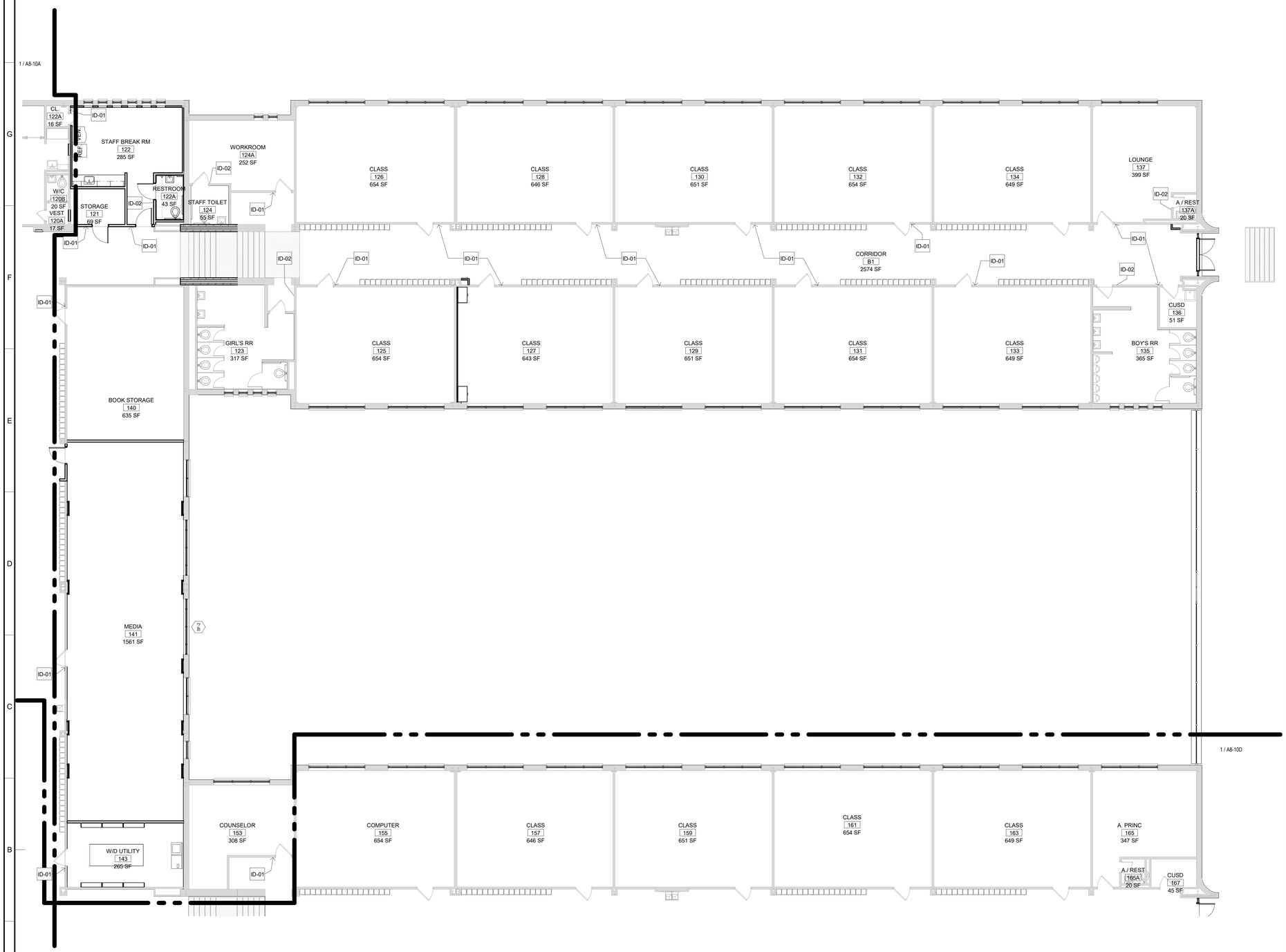
LEVEL 1 - AREA B - SIGNAGE PLAN

A8-10B

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



GENERAL SHEET NOTES

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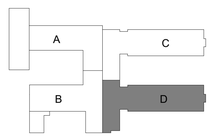
KEYNOTES

SHEET NOTES

KEY PLAN



Bid and Permit

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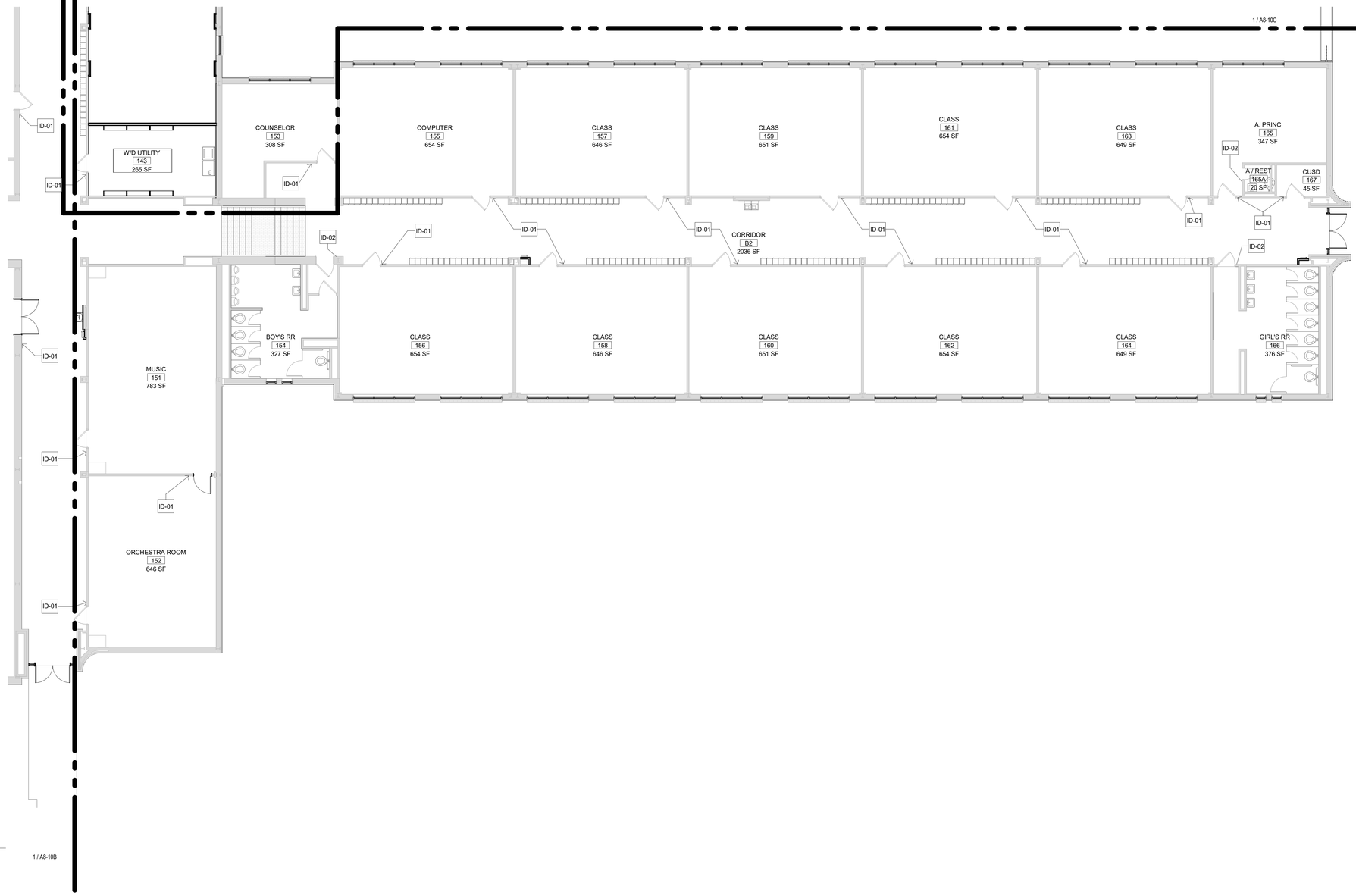
LEVEL 1 - AREA C - SIGNAGE PLAN

A8-10C

SCALE: As indicated

Project Name: ORG. #235 BAES Date:10/18/2024



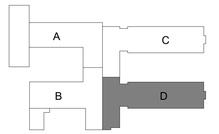
GENERAL SHEET NOTES

A. Refer sheet A8-40 for signage ID types.

KEYNOTES

SHEET NOTES

KEY PLAN



Bid and Permit

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100 Glass St.
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Foodservice Design Professionals
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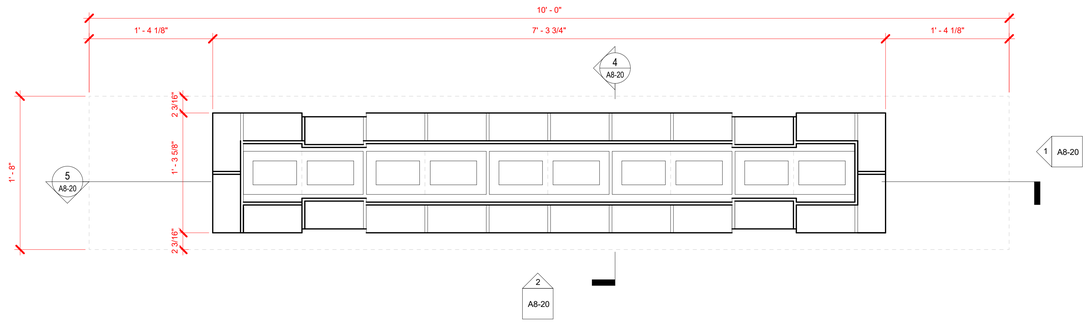
LEVEL 1 - AREA D - SIGNAGE PLAN

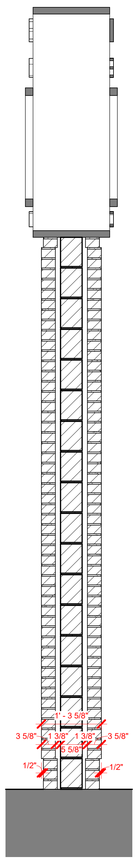
A8-10D

SCALE: As indicated

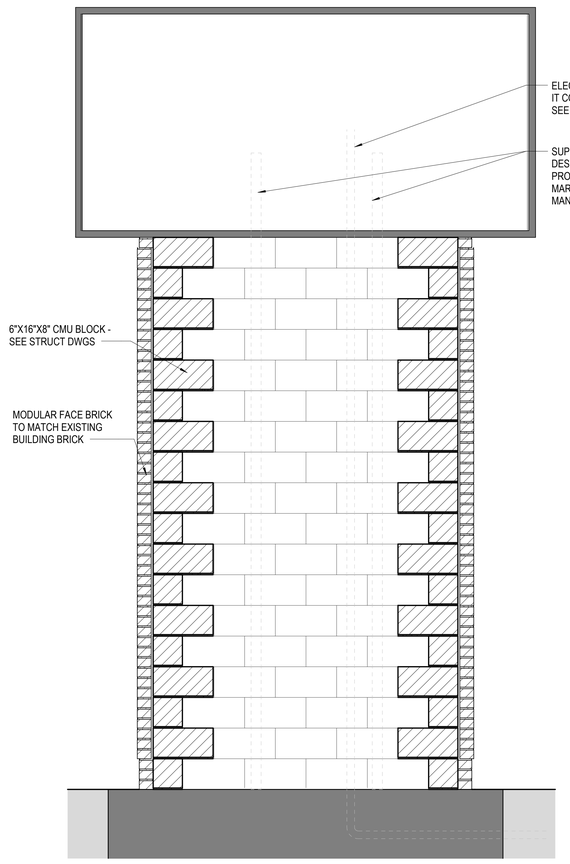
Project Name: ORG. #235 BAES Date:10/16/2024



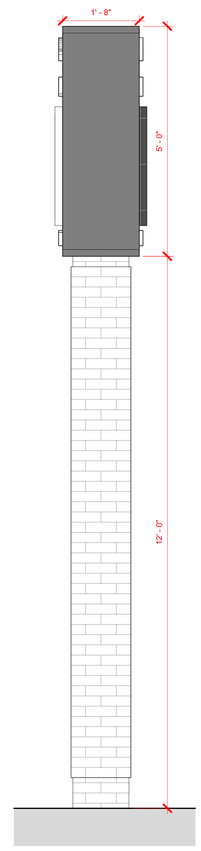
3 MARQUEE SIGN PLAN
SCALE: 1 1/2" = 1'-0"



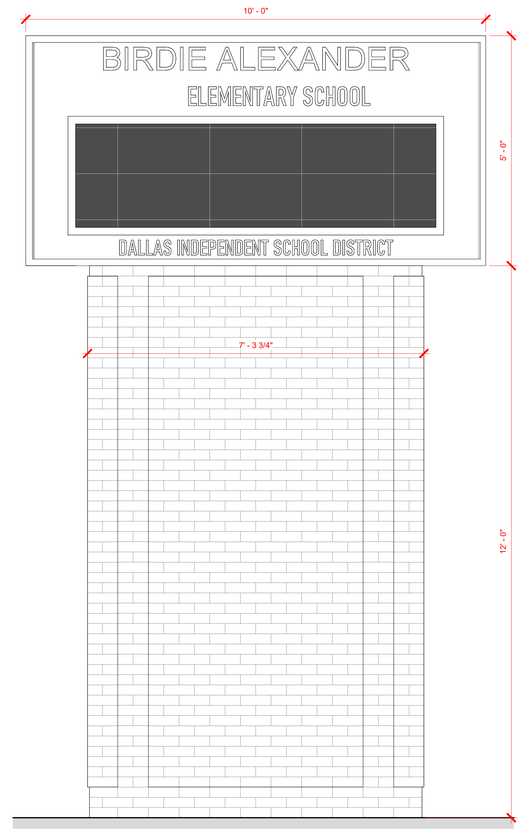
4 SECTION 39
SCALE: 3/4" = 1'-0"



5 SECTION 40
SCALE: 3/4" = 1'-0"



1 MARQUEE SIGN ELEVATION 1-A
SCALE: 3/4" = 1'-0"



2 MARQUEE SIGN ELEVATION 1-B
SCALE: 3/4" = 1'-0"

GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

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DALLAS ISD
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HarrisonKornberg ARCHITECTS
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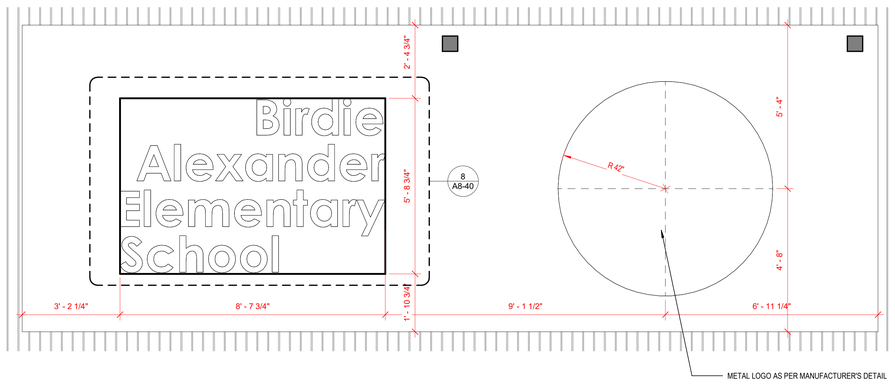
EXTERIOR SIGNAGE DETAILS - MARQUEE

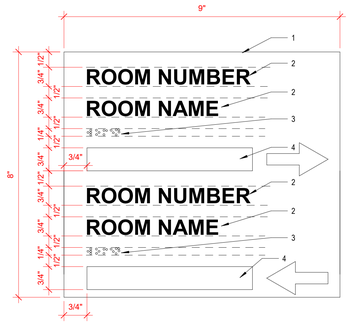
A8-20

SCALE: As indicated

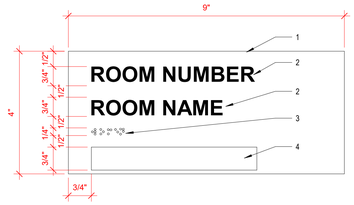
Project Name: ORG. #235 BAES Date:10/18/2024



7 MONUMENTAL SIGN AND METAL LOGO - FRONT ELEVATION
SCALE: 1/2" = 1'-0"

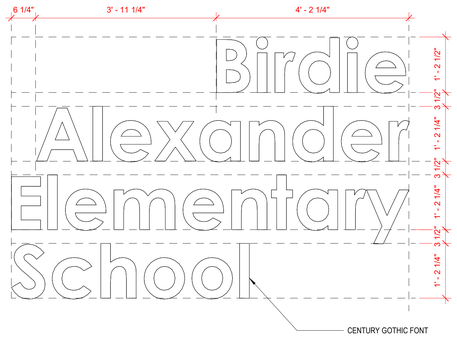


6 SIGN TYPE - ID-03 - FRONT DETAIL TYP.
SCALE: 6" = 1'-0"

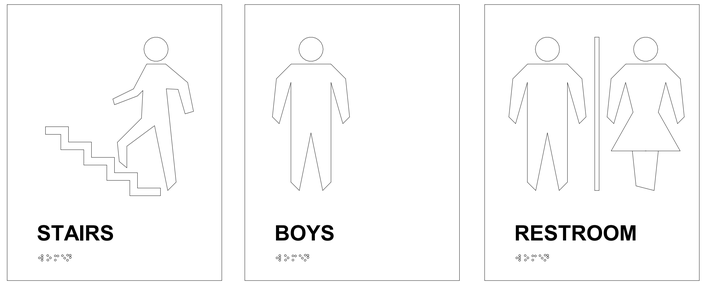


3 SIGN TYPE - ID-01 - FRONT DETAIL TYP.
SCALE: 6" = 1'-0"

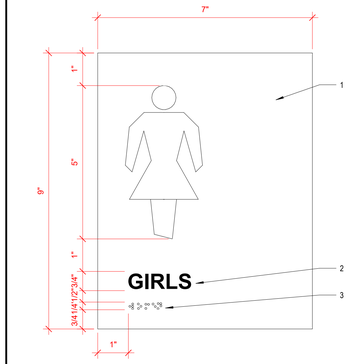
2 SIGN TYPE - ID-01 - DOUBLE LINE TEXT LAYOUT
SCALE: 6" = 1'-0"



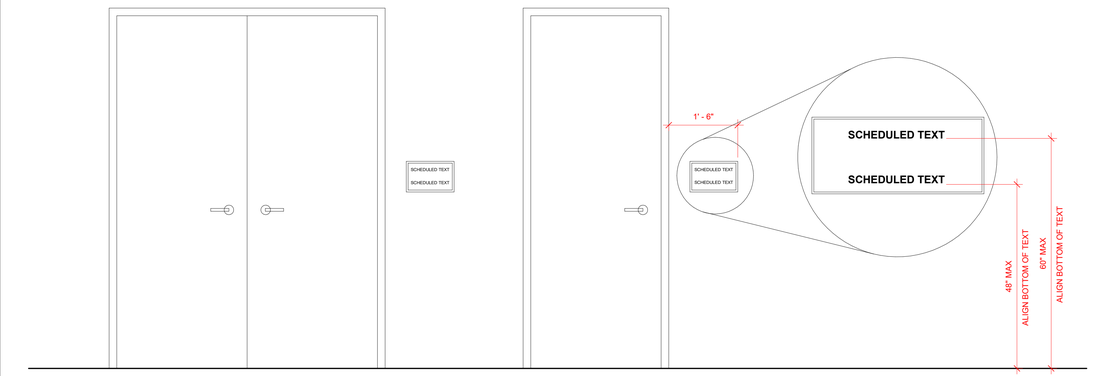
8 MONUMENTAL SIGN
SCALE: 3/4" = 1'-0"



5 SIGN TYPE - ID-02 - PICTOGRAM ALT LAYOUTS
SCALE: 6" = 1'-0"



4 SIGN TYPE - ID-02 - PICTOGRAM
SCALE: 6" = 1'-0"



1 ADA DOOR SIGNAGE LOCATION
SCALE: 3/4" = 1'-0"

GENERAL SHEET NOTES

1. 1/4" PLASTIC PANEL
   - Finish to match MTL-1 finish, returns of back-plate to match.
   -Material: Melamine plastic laminate or engineered plastic, thermoplastic alloy with raised text and character coloring and matte texture.
   -Vandal resistant mounting countersunk mounting holes, holes at each corner with stainless steel screws.
   -Two (2) faced 3M type tape acceptable when mounted to glass.
   -Provide back plates when signage is installed on glass.
2. 1/32" RAISED COPY
   - ADA Compliant tactile copy
   - Copy to be integral to plastic panel
   - Copy to be tipped painted in PT-1 finish
3. 1/32" RAISED BRAILLE
   - ADA Compliant, Grade 2 contracted braille
   - Braille to be integral to plastic panel and match PT-1 finish
4. NAME INSERT WINDOW
   -Lens: Flat non-glare

FONTS:
Tactile Message: Halisa Regular

ADDITIONAL REQUIREMENTS:
Sign fabricator is responsible for producing field dimensions and verification of mounting conditions.
Ease all edges of tactile elements.

KEYNOTES

SHEET NOTES

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INTERIOR AND EXTERIOR SIGNAGE DETAILS

A8-40

SCALE: As indicated

FIRE PROTECTION GENERAL NOTES

1. ALL SPRINKLERS IN SPACES VISIBLE TO PUBLIC VIEW SHALL BE LOCATED SYMMETRICALLY IN RELATION TO CEILING DESIGN ELEMENTS, LIGHTING FIXTURES, SPEAKERS, DIFFUSERS, ETC. ALL CEILING COMPONENTS ARE TO BE INDICATED ON THE SUBMITTAL DRAWINGS AS NOTED PREVIOUSLY TO INSURE COORDINATION WITH ALL CEILING ELEMENTS AND DEVICES. PIPING TO SPRINKLERS IN THESE AREAS IS TO BE PROVIDED WITH RETURN BENDS IF REQUIRED TO ALLOW FOR EXACT PLACEMENT.
2. SPRINKLER HEADS INSTALLED IN LAY-IN ACOUSTICAL TILE CEILINGS SHALL BE CENTERED IN THE CEILING TILES OR INSTALLED ON QUARTER POINTS OF THE FOUR FOOT DIMENSIONS OF 2' x 4' TILES.
3. ALL FIRE PROTECTION WORK SHALL COMPLY WITH ALL APPLICABLE SECTIONS OF NFPA 13 AND SHALL MEET THE APPROVAL OF THE OWNERS INSURANCE UNDERWRITER, AND LOCAL AUTHORITIES HAVING JURISDICTION.
4. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO ORDERING, PURCHASING, OR FABRICATION ANY FIRE PROTECTION EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: SPRINKLER DRAWINGS AND CALCULATIONS BEARING THE SEAL OF A REGISTERED TEXAS RME: SPRINKLER PIPING; SPRINKLER HEADS; HOSE RACKS, HYDRANTS AND VALVES; PUMPS, CONTROLLERS AND ACCESSORIES; TANKS AND ACCESSORIES. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO BEING SUBMITTED TO THE ARCHITECT.
5. CONTRACTOR SHALL COORDINATE THE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL FIRE PROTECTION EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
6. ALL FIRE PROTECTION EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE BY OWNER.
7. ALL PIPING ABOVE GRADE SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. PIPING HUNG FROM JOISTS SHALL BE HUNG FROM THE TOP CHORDS OF THE JOISTS. THIS INCLUDES ALL EXISTING SPRINKLER PIPING. IF EXISTING SPRINKLER PIPING IS SUPPORTED BY CEILING TILES/CEILING STRUCTURES, THE CONTRACTOR SHALL DETACH THE EXISTING SPRINKLER PIPING FROM CEILING TILES/CEILING STRUCTURE AND REATTACH TO BUILDING STRUCTURE.
8. ALL SPRINKLER SYSTEMS SHALL BE DESIGNED TO THE AVAILABLE CITY WATER SUPPLY. CONTRACTOR SHALL HAVE CURRENT FLOW TEST PERFORMED PRIOR TO DESIGN. A MINIMUM 10 PSI SAFETY FACTOR SHALL BE MAINTAINED BETWEEN REQUIRED PRESSURE DEMAND AND AVAILABLE WATER SUPPLY.
9. ALL SPRINKLER SYSTEM RISERS SHALL INCLUDE AN ALARM CHECK VALVE, OUTSIDE WATER MOTOR GONG OR ELECTRIC BELL, INSIDE ELECTRIC BELL, FLOW SWITCH, ETC.
10. HYDRAULIC CALCULATIONS SHALL INCLUDE AN ALLOWANCE FOR INSIDE AND OUTSIDE HOSE STREAMS AS REQUIRED BY NFPA 13.
11. ALL MAJOR VALVES SHALL HAVE U.L. LISTED SUPERVISORY SWITCHES COMPATIBLE WITH THE OWNERS CENTRAL ALARM SYSTEM, WIRING OF THE SWITCHES SHALL BE BY OTHERS.
12. GROOVED (VICTAULIC) COUPLINGS SHALL NOT BE USED OVER OR NEAR ELECTRICAL SWITCHGEAR, PANELS OR TRANSFORMERS.
13. ALL SPRINKLER PIPING SHALL BE ROUTED TO MAINTAIN MINIMUM CLEAR HEIGHTS INDICATED ON ARCHITECTURAL DRAWINGS.
14. ALL DRY PIPE SPRINKLER SYSTEMS SHALL BE COMPLETE WITH OS&Y GATE VALVES AND DRY PIPE VALVES, AIR COMPRESSORS, WATER MOTOR GONGS, ELECTRIC BELLS, ACCESSORIES AND PRESSURE SWITCHES COMPATIBLE WITH THE OWNERS CENTRAL ALARM SYSTEM. WIRING OF THE SWITCHES WILL BE BY OTHERS.
15. ALL PIPING ON THE SYSTEM SIDES OF DRY PIPE OR PRE-ACTION VALVES SHALL BE GALVANIZED CLASS 150 AND 300 MALLEABLE IRON THREADED FITTINGS, ANSI B16.1.
16. DO NOT ROUTE SPRINKLER PIPING DIRECTLY OVER ELECTRICAL PANELS.

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

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No.	Date	Revision
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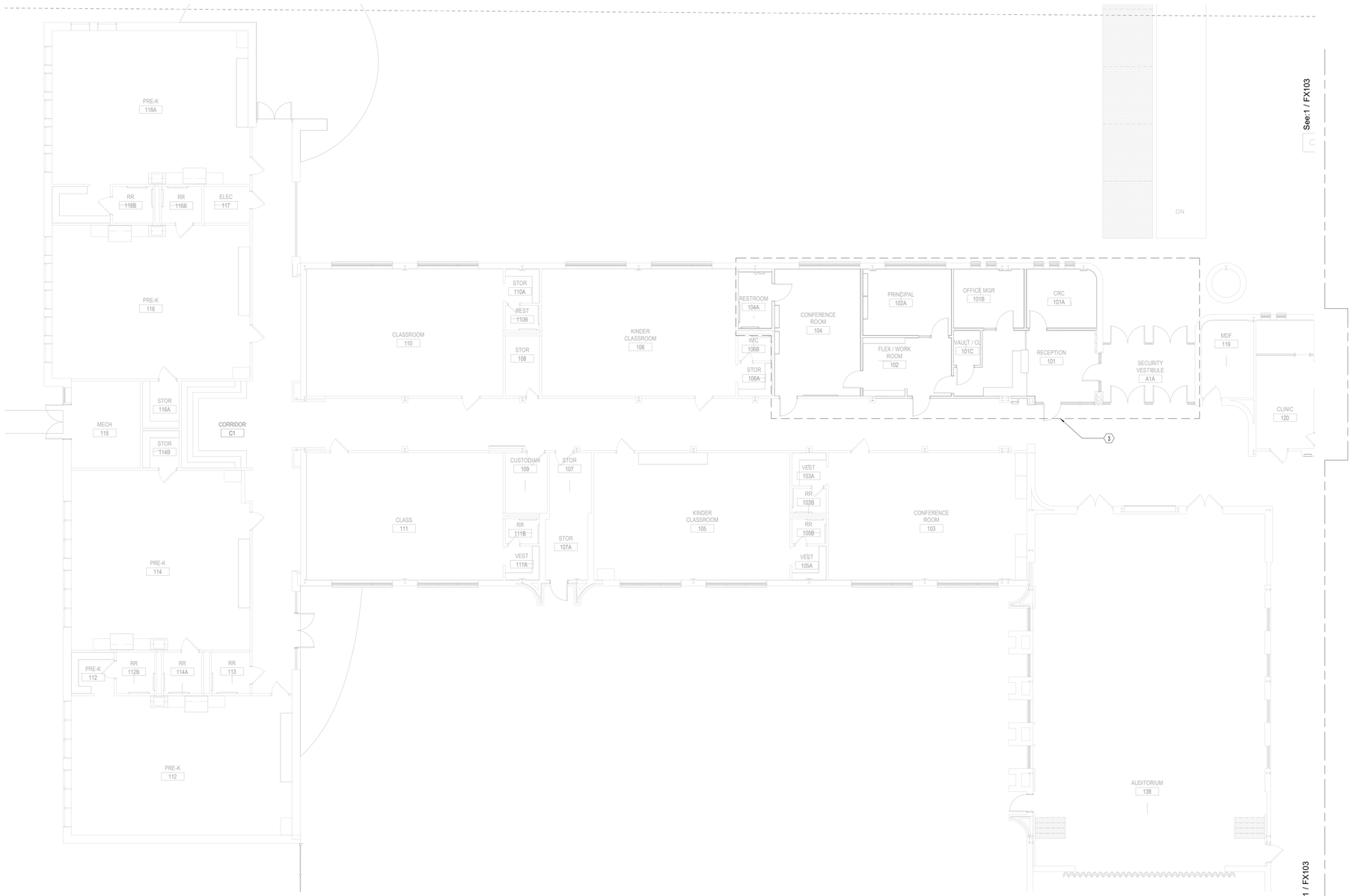
FIRE PROTECTION GENERAL NOTES AND LEGEND

FX001

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 FIRE PROTECTION PLAN - LEVEL 1 AREA A

1/8" = 1'-0"

PLAN NOTES

A. ALL SPACES SHALL BE WET PIPE LIGHT HAZARD OCCUPANCY UNLESS OTHERWISE SPECIFIED. MINIMUM DESIGN SHALL BE 0.10 GPM/SQ.FT. OVER 1500 SQ.FT. WITH 100 GPM HOSE ALLOWANCE. QUICK RESPONSE SPRINKLER HEADS SHALL BE UTILIZED AND A REDUCTION OF THE DESIGN AREA MAY BE IMPLEMENTED AS DESCRIBED IN NFPA 13. SPRINKLER HEAD TEMPERATURE HEAD RATING SHALL BE ORDINARY.

B. PROVIDE ALL CONCEALED SPRINKLER HEADS. FINISH AS SPECIFIED BY ARCHITECT.

C. PAINT ANY EXPOSED SPRINKLER PIPING. COORDINATE COLOR AND FINISH WITH THE ARCHITECT.

D. ELECTRICAL ROOMS, IDF ROOMS, AND MDF ROOMS, TO BE PROVIDED WITH PRE-ACTION VALVES.

E. CONTRACTOR SHALL REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND PROVIDE IN BID ANY WORK TO BE ANTICIPATED TO BE ASSOCIATED WITH THE REPLACEMENT OF THE EXISTING CEILINGS THROUGHOUT THE BUILDING.

F. CONTRACTOR INCLUDE ANY BID WORK ANTICIPATED WITH ADJUSTING EXISTING FIRE PROTECTION PIPING AS TO COORDINATE WITH ALL ABOVE CEILING INSTALLATIONS OF PLUMBING, MECHANICAL, FIRE ALARM, AND ELECTRICAL SUB-CONTRACTORS.

G. MODIFY EXISTING FIRE PROTECTION SYSTEM TO PROVIDE FULL COVERAGE FOR NEW ARCHITECTURAL LAYOUT. COORDINATE WITH ARCHITECTURAL CEILING PLAN.

H. AV, IT, AND SECURITY SPACES SHALL HAVE SIDEWALL SPRINKLER HEADS.

I. PROVIDE WITH DRY PENDANT SPRINKLER HEADS FOR COLD STORAGE.

NOTES BY SYMBOL (#)

1. PIPING TO/FROM ADJACENT LEVEL
   A. UP TO FLOOR ABOVE
   B. UP FROM FLOOR BELOW
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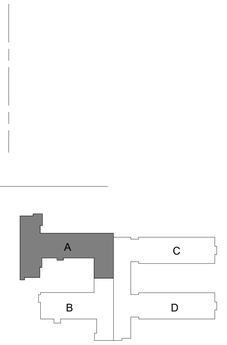
3. MODIFY EXISTING SPRINKLER PIPING SYSTEM AND HEAD LAYOUT TO ACCOMODATE NEW ARCHITECTURAL LAYOUT.
4. INCREASE EXISTING PIPE SIZE AS REQUIRED TO SERVE EXPANDED FOOTPRINT.



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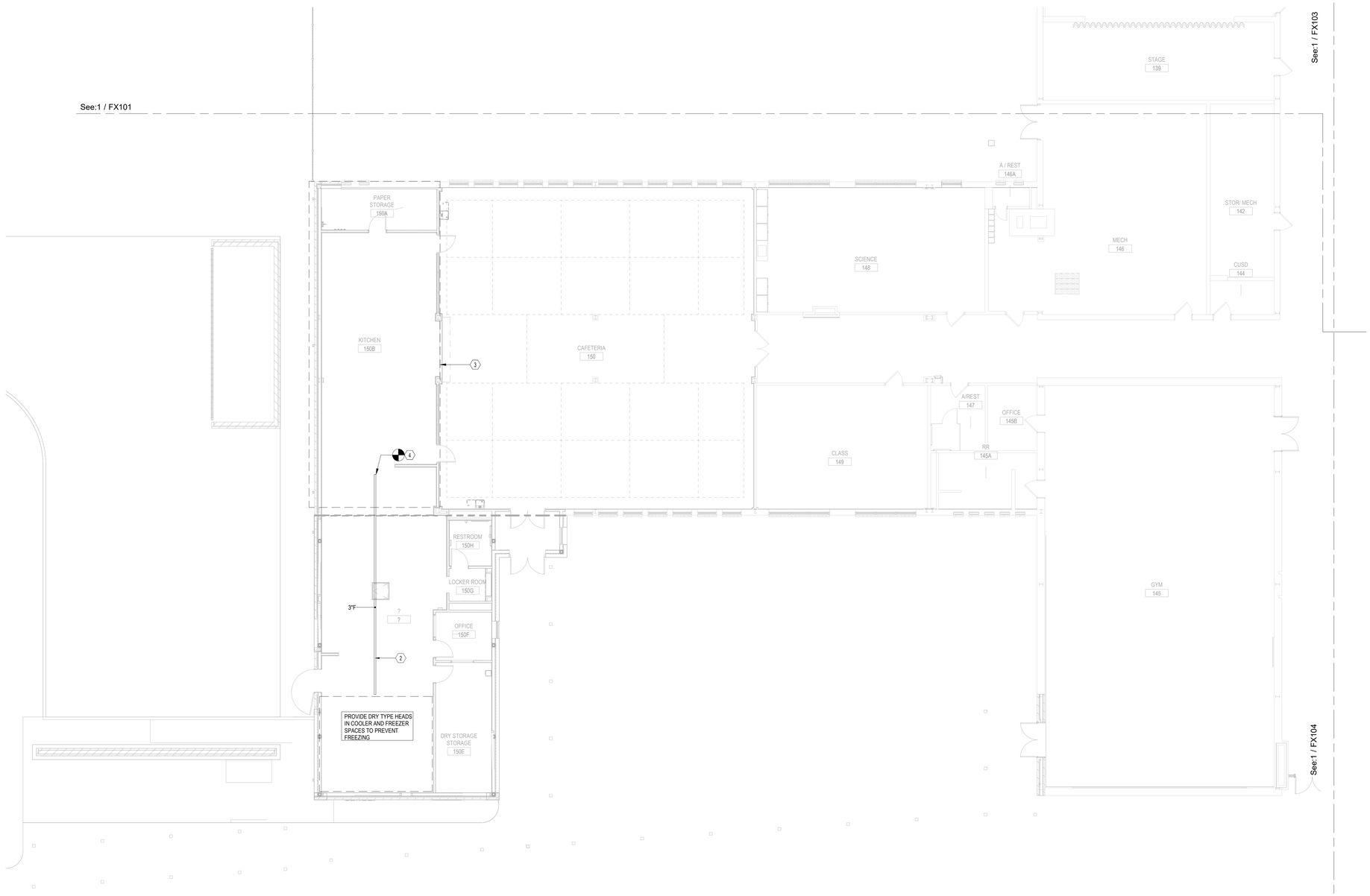
FIRE PROTECTION PLAN - LEVEL 1 AREA A

FX101

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



1 FIRE PROTECTION PLAN - LEVEL 1 AREA B

1/8" = 1'-0"

PLAN NOTES

A. ALL SPACES SHALL BE WET PIPE LIGHT HAZARD OCCUPANCY UNLESS OTHERWISE SPECIFIED. MINIMUM DESIGN SHALL BE 0.10 GPM/SQ.FT. OVER 1500 SQ.FT. WITH 100 GPM HOSE ALLOWANCE. QUICK RESPONSE SPRINKLER HEADS SHALL BE UTILIZED AND A REDUCTION OF THE DESIGN AREA MAY BE IMPLEMENTED AS DESCRIBED IN NFPA 13. SPRINKLER HEAD TEMPERATURE HEAD RATING SHALL BE ORDINARY.

B. PROVIDE ALL CONCEALED SPRINKLER HEADS. FINISH AS SPECIFIED BY ARCHITECT.

C. PAINT ANY EXPOSED SPRINKLER PIPING. COORDINATE COLOR AND FINISH WITH THE ARCHITECT.

D. ELECTRICAL ROOMS, IDF ROOMS, AND MDF ROOMS, TO BE PROVIDED WITH PRE-ACTION VALVES.

E. CONTRACTOR SHALL REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND PROVIDE IN BID ANY WORK TO BE ANTICIPATED TO BE ASSOCIATED WITH THE REPLACEMENT OF THE EXISTING CEILINGS THROUGHOUT THE BUILDING.

F. CONTRACTOR INCLUDE ANY BID WORK ANTICIPATED WITH ADJUSTING EXISTING FIRE PROTECTION PIPING AS TO COORDINATE WITH ALL ABOVE CEILING INSTALLATIONS OF PLUMBING, MECHANICAL, FIRE ALARM, AND ELECTRICAL SUB-CONTRACTORS.

G. MODIFY EXISTING FIRE PROTECTION SYSTEM TO PROVIDE FULL COVERAGE FOR NEW ARCHITECTURAL LAYOUT. COORDINATE WITH ARCHITECTURAL CEILING PLAN.

H. AV, IT, AND SECURITY SPACES SHALL HAVE SIDEWALL SPRINKLER HEADS.

I. PROVIDE WITH DRY PENDANT SPRINKLER HEADS FOR COLD STORAGE.

NOTES BY SYMBOL (#)

1. PIPING TO/FROM ADJACENT LEVEL
   A. UP TO FLOOR ABOVE
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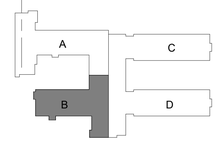

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Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
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DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
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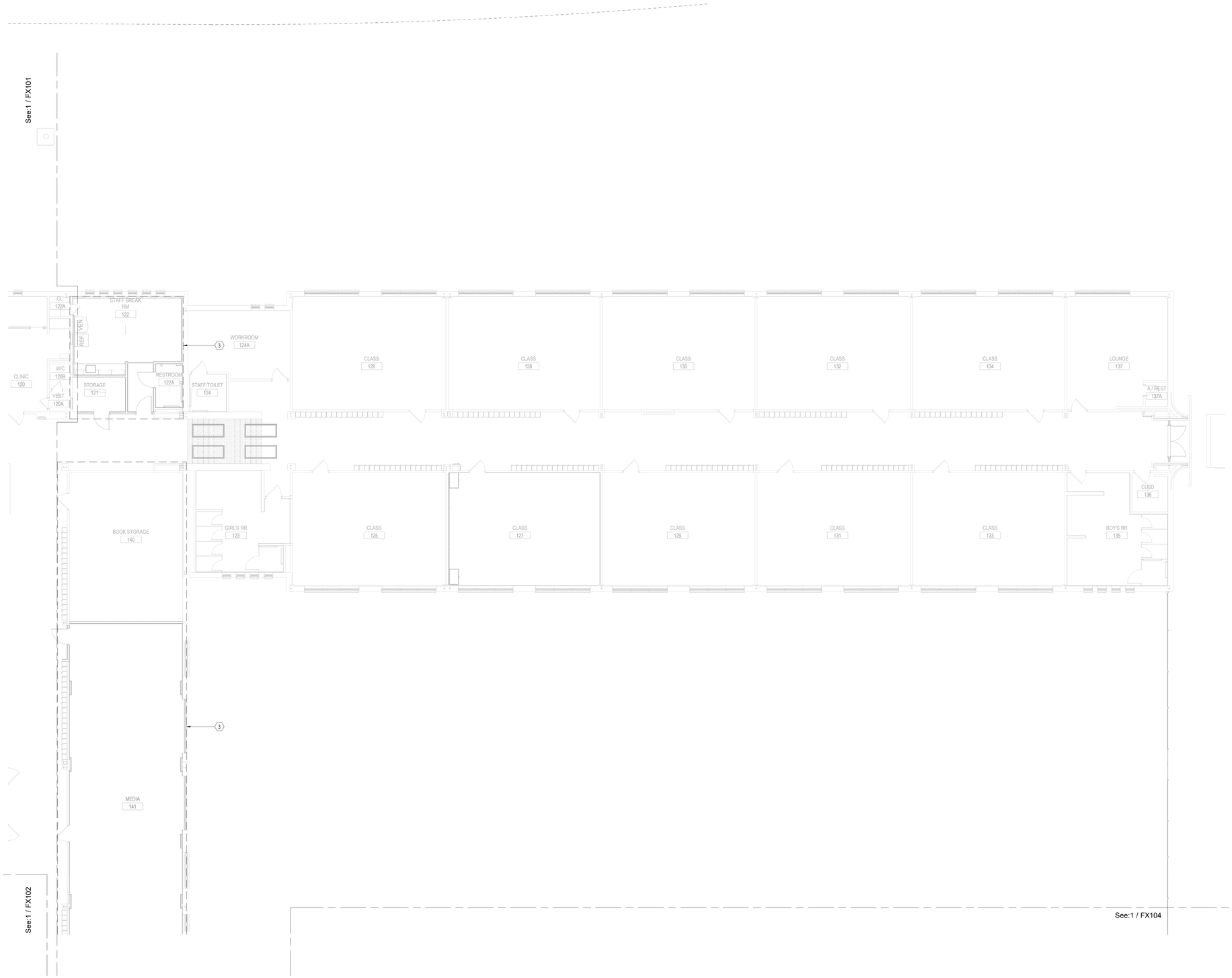
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

FIRE PROTECTION PLAN - LEVEL 1 AREA B

FX102

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 FIRE PROTECTION PLAN - LEVEL 1 AREA C

1/8" = 1'-0"

PLAN NOTES

A. ALL SPACES SHALL BE WET PIPE LIGHT HAZARD OCCUPANCY UNLESS OTHERWISE SPECIFIED. MINIMUM DESIGN SHALL BE 0.10 GPM/SQ.FT. OVER 1500 SQ.FT. WITH 100 GPM HOSE ALLOWANCE. QUICK RESPONSE SPRINKLER HEADS SHALL BE UTILIZED AND A REDUCTION OF THE DESIGN AREA MAY BE IMPLEMENTED AS DESCRIBED IN NFPA 13. SPRINKLER HEAD TEMPERATURE HEAD RATING SHALL BE ORDINARY.

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C. PAINT ANY EXPOSED SPRINKLER PIPING. COORDINATE COLOR AND FINISH WITH THE ARCHITECT.

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G. MODIFY EXISTING FIRE PROTECTION SYSTEM TO PROVIDE FULL COVERAGE FOR NEW ARCHITECTURAL LAYOUT. COORDINATE WITH ARCHITECTURAL CEILING PLAN.

H. AV, IT, AND SECURITY SPACES SHALL HAVE SIDEWALL SPRINKLER HEADS.

I. PROVIDE WITH DRY PENDANT SPRINKLER HEADS FOR COLD STORAGE.

NOTES BY SYMBOL (#)

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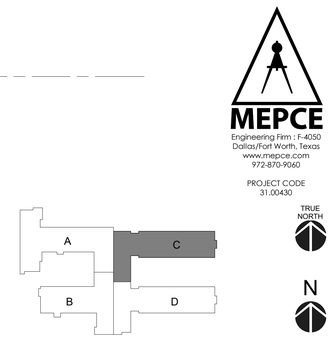

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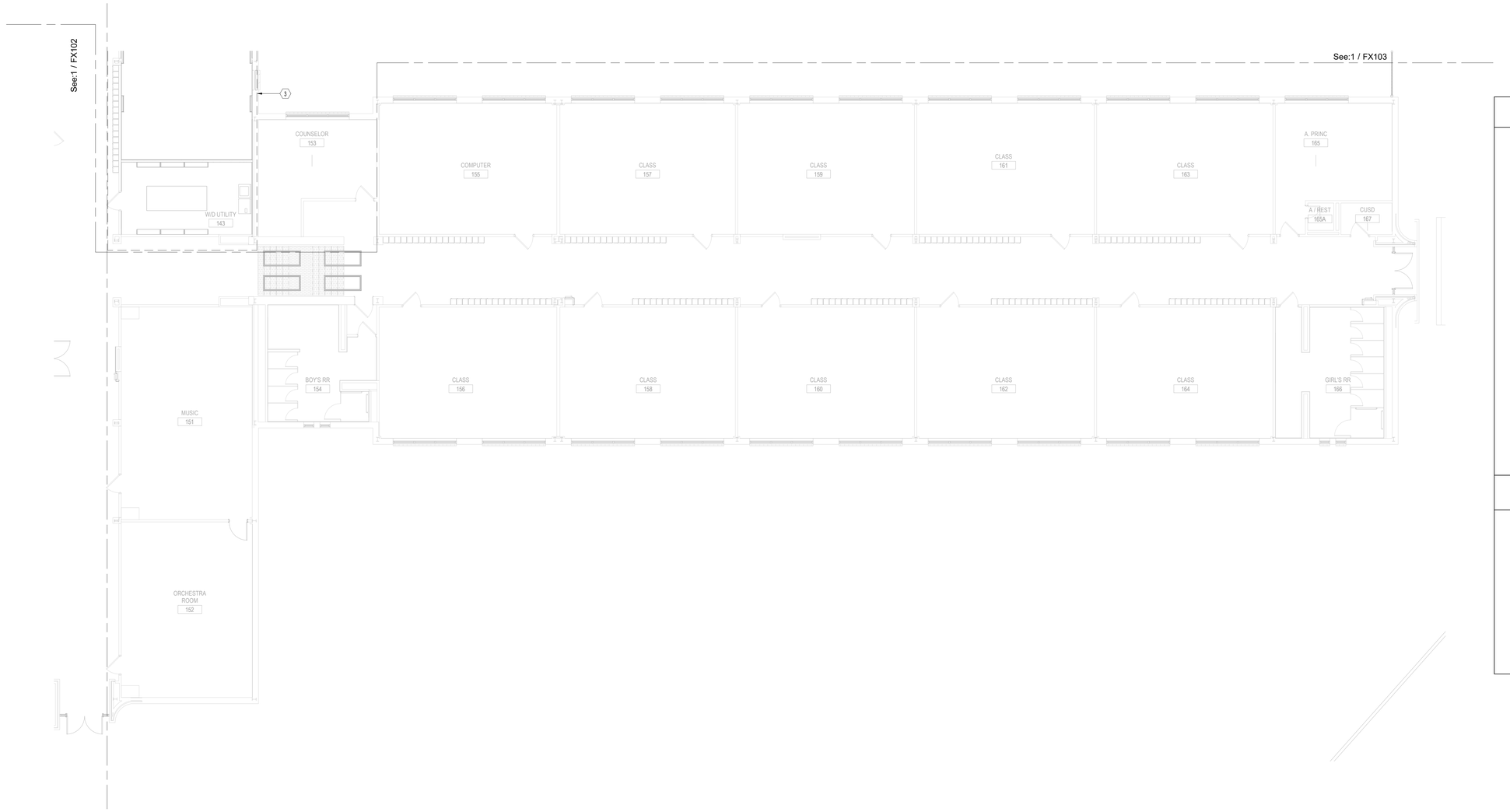
FIRE PROTECTION PLAN - LEVEL 1 AREA C

FX103

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 FIRE PROTECTION PLAN - LEVEL 1 AREA D

1/8" = 1'-0"

PLAN NOTES

A. ALL SPACES SHALL BE WET PIPE LIGHT HAZARD OCCUPANCY UNLESS OTHERWISE SPECIFIED. MINIMUM DESIGN SHALL BE 0.10 GPM/SQ.FT. OVER 1500 SQ.FT. WITH 100 GPM HOSE ALLOWANCE. QUICK RESPONSE SPRINKLER HEADS SHALL BE UTILIZED AND A REDUCTION OF THE DESIGN AREA MAY BE IMPLEMENTED AS DESCRIBED IN NFPA 13. SPRINKLER HEAD TEMPERATURE HEAD RATING SHALL BE ORDINARY.

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G. MODIFY EXISTING FIRE PROTECTION SYSTEM TO PROVIDE FULL COVERAGE FOR NEW ARCHITECTURAL LAYOUT. COORDINATE WITH ARCHITECTURAL CEILING PLAN.

H. AV, IT, AND SECURITY SPACES SHALL HAVE SIDEWALL SPRINKLER HEADS.

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NOTES BY SYMBOL (#)

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PROJECT CODE
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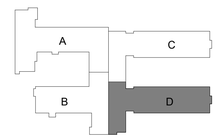

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DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS — ADAM NEMATI — 102287 — LICENSED ARCHITECT — 02/11/2026

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No.	Date	Revision
1	02/22/2026	IFP

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T: 972-245-5300

FIRE PROTECTION PLAN - LEVEL 1 AREA D

FX104

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

PLUMBING DEMOLITION NOTES

1. COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE BEGINNING SELECTIVE DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
2. MAINTAIN FIRE-PROTECTION FACILITIES IN SERVICE DURING SELECTIVE DEMOLITION OPERATIONS.
3. REMOVE, REPLACE, PATCH, AND REPAIR MATERIALS AND SURFACES CUT OR DAMAGED DURING SELECTIVE DEMOLITION, BY METHODS AND WITH MATERIALS SO AS NOT TO VOID EXISTING WARRANTIES.
4. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED BEFORE PROCEEDING TO DEMOLITION.
5. MAINTAIN SYSTEMS TO REMAIN AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
6. LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS SERVING AREAS TO BE SELECTIVELY DEMOLISHED.
7. IF SERVICES/SYSTEMS ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANDONED, BEFORE PROCEEDING WITH SELECTIVE DEMOLITION PROVIDE TEMPORARY SERVICES/SYSTEMS THAT BYPASS AREA OF SELECTIVE DEMOLITION AND THAT MAINTAIN CONTINUITY OF SERVICES/SYSTEMS TO OTHER PARTS OF BUILDING.
8. CUT-OFF PIPE OR CONDUIT IN WALLS OR PARTITIONS TO BE REMOVED. CAP, VALVE, OR PLUG AND SEAL REMAINING PORTION OF PIPE OR CONDUIT AFTER BYPASSING.
9. REMOVE AIR-CONDITIONING EQUIPMENT WITHOUT RELEASING REFRIGERANTS.
10. ANY WORK INVOLVING A SERVICE SUSPENSION SHALL BE SCHEDULED IN ADVANCE WITH THE OWNER. OBTAIN WRITTEN APPROVAL FROM THE OWNER WHEN INTERRUPTION OF SERVICES IS UNAVOIDABLE.
11. PERFORM NO WORK IN ANY BUILDING WHICH WOULD INTERFERE WITH ITS USE DURING NORMAL HOURS OF OCCUPANCY, UNLESS SPECIAL PERMISSION IS GRANTED BY THE OWNER. INCLUDED ARE OPERATIONS WHICH WOULD CAUSE OBJECTIONABLE NOISE OR SERVICE INTERRUPTIONS.
12. DO NOT CUT ANY STRUCTURAL MEMBER UNLESS SPECIFIC WRITTEN PERMISSION IS PROVIDED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
13. WHERE OPENINGS ARE CUT IN FIRE-RATED WALLS OR FLOORS, SEAL THE ANNULAR SPACE BETWEEN THE WORK INSTALLED AND THE FIRE-RATED CONSTRUCTION. SEALANT, AS APPLIED, SHALL BE FIRE-RATED TO MAINTAIN THE FIRE RATING OF THE CONSTRUCTION PENETRATED, AND SHALL BE APPROVED BY THE ARCHITECT.

ABBREVIATIONS

A/C	AIR CONDITIONING
ACH	AIR CHANGE PER HOUR
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFMS	AIR FLOW MEASURING STATION
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AHU	AIR HANDLING UNIT
AHJ	AUTHORITY HAVING JURISDICTION
APD	AIR PRESSURE DROP
AS	AIR SEPARATOR
BAS	BUILDING MANAGEMENT SYSTEM
BD	BALANCING DAMPER
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
CAV	CONSTANT AIR VOLUME
CFM	CUBIC FEET PER MINUTE
CHWP	CHILLED WATER PUMP
CLG	CEILING
CO	CLEAN OUT
CD	CONDENSATE DRAIN
CP	CONDENSATE PUMP
CRAC	COMPUTER ROOM A/C UNIT
CT	COOLING TOWER
CU	CONDENSING UNIT
CV	CONSTANT VOLUME/ CONTROL VALVE
(D)	DEMO
dB	DECIBELS
DDC	DIRECT DIGITAL CONTROL
DEG	DEGREES
DN	DOWN
DX	DIRECT EXPANSION
(E)	EXISTING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FPI	FINS PER INCH
FSD	FIRE-SMOKE DAMPER
G	GAS
GPM	GALLONS PER MINUTE
GV	GRAVITY VENTILATOR
HD	HEAD
HP	HORSEPOWER
HPS	HIGH PRESSURE STEAM
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HWP	HYDRONIC HEATING WATER PUMP
HX	HEAT EXCHANGER
KW	KILOWATT
KWH	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LPS	LOW PRESSURE STEAM
MBH	THOUSAND BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MFG	MANUFACTURER
MOCP	MAXIMUM OVERCURRENT PROTECTION
(N)	NEW
N/A	NOT APPLICABLE
NC	NOISE CRITERIA
NIC	NOT IN CONSTRACT
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
PD	PRESSURE DROP
PH	PHASE (ELECTRICAL)
PLBG	PLUMBING
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
RA	RETURN AIR
RH	RELATIVE HUMIDITY
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
SD	SMOKE DAMPER
SF	SUPPLY FAN
SP	STATIC PRESSURE
T	THERMOSTAT/ THERMOMETER
TYP	TYPICAL
UH	UNIT HEATER
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
WB	WET BULB
W.G.	WATER GAUGE
W.P.D.	WATER PRESSURE DROP
WSHP	WATER-SOURCE HEAT PUMP
WT	WEIGHT

PLUMBING GENERAL NOTES

1. THE PLUMBING LAYOUT SHOWN ON THESE DRAWINGS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE CONDITIONS AT THE JOB SITE AND ALL THE OTHER TRADES INVOLVED.
2. THE CONTRACTOR SHALL FURNISH ALL NECESSARY PIPING, FITTINGS, VALVES, HARDWARE, SUPPORTS AND ACCESSORIES REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF ALL THE PLUMBING FIXTURES AS REQUIRED BY CODE, (INCLUDING ALL HANDICAPPED CODE AND "ADA & TAS" REQUIREMENTS.)
3. DO NOT SCALE LOCATIONS OR PARTITIONS FROM THIS DRAWING. THE CONTRACTOR SHALL REFER TO THE MANUFACTURER'S CUT-SHEETS, ROUGHING-IN DIMENSIONS, ARCHITECTURAL DRAWINGS, DETAILS, SPECIFICATIONS AND ALL OTHER INFORMATION RELATED TO THIS PROJECT, AS REQUIRED.
4. ALL NEW PIPING SHALL BE INSULATED AS PER SPECIFICATIONS.
5. THE CONTRACTOR SHALL COORDINATE ALL THE FLOOR AND PARTITION PENETRATIONS WITH JOISTS, GRADE BEAMS AND SLEEVES AS REQUIRED WITH STRUCTURAL ENGINEER BEFORE DRILLING OR CORE-BORING.
6. THE CONTRACTOR SHALL SEAL ALL PENETRATIONS WITH A CODE APPROVED FIRE RATED MATERIAL AS REQUIRED TO MAINTAIN THE FIRE SEPARATION BETWEEN FLOORS/ROOF REQUIRED BY THE ARCHITECTURAL DRAWINGS. REFER TO THE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND FIRE BARRIER LOCATIONS.
7. THE CONTRACTOR SHALL COORDINATE ANY MODIFICATIONS TO THE PARTITIONS, WALLS OR LAYOUT REQUIRED FOR THE INSTALLATION OF THE PLUMBING FIXTURES WITH THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE NEW WORK AND INSTALLATION.
8. THE CONTRACTOR SHALL SUBMIT MANUFACTURER'S SPECIFICATIONS AND CUT-SHEETS FOR ALL THE FIXTURES, FITTINGS AND COMPONENTS AS REQUIRED FOR FINAL APPROVAL BY THE ENGINEER BEFORE PURCHASING OR INSTALLING THEM.
9. THE FIXTURE SPECIFICATIONS (MANUFACTURER, MODEL, COLOR, TRIMS, ETC.) SHALL BE AS PER THE ARCHITECTS/ENGINEERS DRAWINGS AND SCHEDULES/SPECIFICATIONS.
10. THE CONTRACTOR SHALL TEST ALL NEW PIPING AND FIXTURES FOR PROPER OPERATION AND SHALL MAKE ALL NECESSARY REPAIRS AS REQUIRED TO PROVIDE A COMPLETE WORKING SYSTEM.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL THE AREAS AFFECTED BY HIS WORK TO THEIR ORIGINAL CONDITION AS REQUIRED BY THE ARCHITECT OR ENGINEER.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE JOB-SITE AS REQUIRED BY THE LOCAL CODES AND REGULATIONS AND AS REQUIRED BY THE STATE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING, PERMITTING, AND CONDUCTING ALL THE INSPECTIONS AND TESTS REQUIRED BY THE LOCAL CODES, REGULATIONS AND AS REQUIRED BY THE STATE REPRESENTATIVE OR COMMISSIONING SPECIFICATIONS. CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE OF COMMISSIONING INSPECTION TO ARCHITECT OR ENGINEER.
14. ALL WORK AND INSTALLATION SHALL BE DONE BY A LICENSED CONTRACTOR WITH EXPERIENCE IN THE WORK REQUIRED FOR THIS PROJECT.
15. ALL WORK SHALL COMPLY WITH THE 2021 INTERNATIONAL BUILDING CODE (2021 IBC), 2021 INTERNATIONAL PLUMBING CODE (2021 IPC), 2021 INTERNATIONAL FUEL GAS CODE (2021 IFGC), 2021 INTERNATIONAL ENERGY CONSERVATION CODE (2021 IECC) AND ALL OTHER CODES AS MAY BE APPLICABLE WITHIN THE CITY OF DALLAS.
16. ALL EQUIPMENT SHALL BE SUPPORTED FROM STRUCTURAL MEMBERS. NO WEIGHT CAN BE PLACED ON THE ROOFING MATERIALS OR INSULATION.
17. CONTRACTOR SHALL SAW-CUT ALL SLAB PENETRATIONS AND ENSURE THAT THEY ARE PROPERLY SEALED AND REMAIN WATERTIGHT.
18. CONTRACTOR SHALL ENSURE THAT ALL SLAB PENETRATIONS WITHIN THE SPACE ARE PROPERLY SEALED AND REMAIN WATERTIGHT.
19. ALL PIPING, CLAMPS, SUPPORTS, ETC. SHALL BE FASTENED TO JOISTS OR BEAMS. DO NOT ATTACH ANYTHING DIRECTLY TO THE DECK, CEILING SUPPORT SYSTEM OR DUCTWORK ABOVE.
20. CONTRACTOR SHALL PROVIDE FLOOR OR WALL CLEANOUTS AS PER THE IPC, AND LOCAL REQUIREMENTS, IN ADDITION TO THOSE SHOWN ON THE DRAWINGS.
21. CONFIRM ALL VENT THROUGH ROOFS ARE LOCATED A MINIMUM 10'-0" FROM ANY OUTSIDE AIR INTAKE.
22. ALL EXPOSED WASTE AND VENT PIPING SHALL BE CAST IRON.
23. ALL PIPING, VALVES, FITTINGS AND FIXTURES IN CONTACT WITH DOMESTIC WATER SHALL BE LEAD-FREE.
24. CONTRACTOR SHALL FURNISH AND INSTALL A PRESSURE REDUCING VALVE (PRV) IN THE POTABLE WATER LINE IF THE STREET PRESSURE IS 80 PSIG OR GREATER. THE DOWNSTREAM PRESSURE AFTER THE PRV SHALL BE INITIALLY SET FOR 50 PSIG (ADJUSTABLE). SEE SPECIFICATIONS.
25. ALL PIPING WITHIN A RETURN AIR PLENUM SHALL BE PLENUM RATED.
26. REMOVE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF-SITE, UNLESS INDICATED TO BE REMOVED AND SALVAGED OR REMOVED AND REINSTALLED.
27. REMOVE AND SALVAGE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND DELIVER THEM TO OWNER OR OWNER'S REPRESENTATIVE READY FOR REUSE.
28. REMOVE AND REINSTALL: DETACH ITEMS FROM EXISTING CONSTRUCTION, PREPARE THEM FOR REUSE, AND REINSTALL THEM WHERE INDICATED.
29. EXISTING TO REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE REMOVED AND THAT ARE NOT OTHERWISE INDICATED TO BE REMOVED, REMOVED AND SALVAGED, OR REMOVED AND REINSTALLED.
30. CONTRACTOR SHALL BID EQUIPMENT IN SCHEDULE AS BASIS OF DESIGN. ALTERNATE EQUIPMENT BY ACCEPTABLE MANUFACTURERS MEETING PERFORMANCE REQUIREMENTS MAY BE REVIEWED BY DESIGN TEAM AND OWNER RESULTING IN A CREDIT IF USED.

PLUMBING LEGEND

PIPING SYSTEMS

CW	COLD WATER	HW	HOT/TEMPERED WATER
HWR	HOT WATER RETURN	180° HW	HOT WATER (180° F)
G	NATURAL GAS	LPG	PROPANE GAS
RD	ROOF DRAIN	ORD	OVERFLOW ROOF DRAIN
SS	SANITARY SEWER (WASTE)	V	VENT
GW	GREASE WASTE	CD	CONDENSATE DRAIN
AW	ACID WASTE		

PIPING SYMBOLS AND ACCESSORIES

	ELBOW UP		GRADE CLEANOUT (GCO)
	ELBOW DOWN		YARD CLEANOUT (YCO)
	TEE UP		DOUBLE YARD CLEANOUT (DYCO)
	TEE DOWN		WALL CLEANOUT (WCO)
	CAP		FLOOR DRAIN (FD)
	NON-FREEZE WALL HYDRANT		FLOOR SINK (FS)
	ROOF DRAIN (RD)		SANITARY WYE
	OVERFLOW ROOF DRAIN (ORD)		SANITARY CROSS
	DOWNSPOUT NOZZLE		CONNECT TO EXISTING
	REDUCED PRESSURE ZONE BACKFLOW PREVENTER	X / PX.XX	DETAIL NUMBER / DETAIL CALL-OUT / SHEET NUMBER
	SHUT-OFF BALL VALVE		
	FLOW ARROW	X / PX.X	PLAN NUMBER / ENLARGED PLAN CALL-OUT / SHEET NUMBER
VTR	VENT THROUGH ROOF		

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MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

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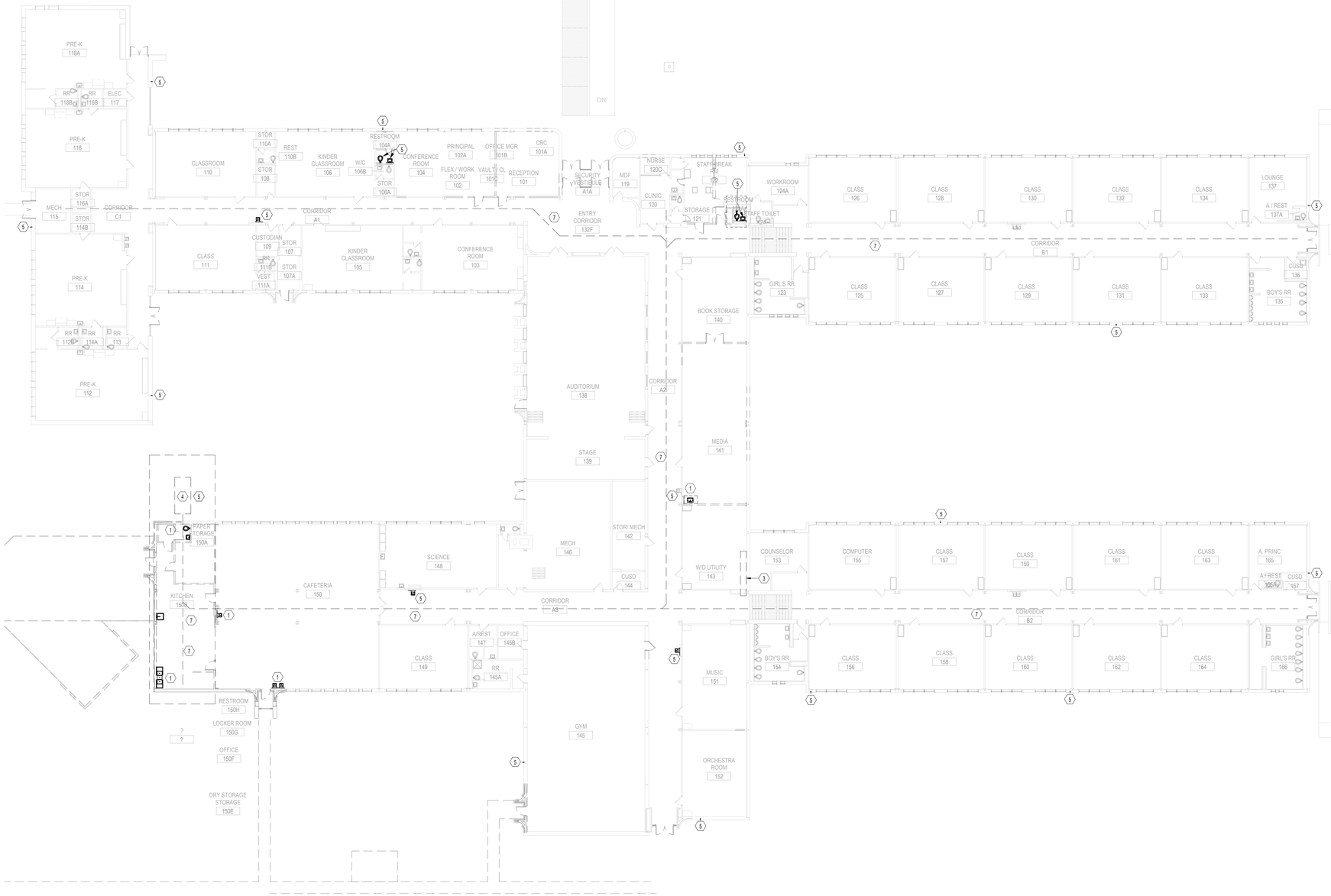
PLUMBING GENERAL NOTES AND LEGEND

P-001

SCALE: As indicated

Project Name: ORG. #235 BAES Date:01/16/2026



1 PLUMBING DEMO PLAN - LEVEL 1

1/16" = 1'-0"

PLAN NOTES

A. ALL EXISTING PLUMBING SUPPLY AND WASTE PIPING SHOWN IN THESE DRAWINGS ARE REPRESENTATIONAL OF THE SYSTEMS THAT ARE PRESUMED TO EXIST AND ARE BASED ON LIMITED SITE OBSERVATION WITH NO EXPLORATORY INVESTIGATION. AS-BUILT RECORD DRAWINGS OF THE PLUMBING SYSTEMS WERE NOT AVAILABLE AT THE TIME THESE DOCUMENTS WERE ASSEMBLED. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS OF PIPING WITHIN THE SCOPE OF WORK THAT IS HIDDEN BELOW SLAB, IN CRAWL SPACES, ABOVE CEILING AND BEHIND WALLS DURING CONSTRUCTION AND ACCOMMODATE ANY CHANGES AS NEEDED TO ADJUST IN THE EVENT OF A DISCOVERED CONDITION.

B. DEMOLISH ALL PREVIOUSLY ABANDONED PIPING AND THEIR APPURTENANCES IN AREAS OF WORK THAT ARE READILY ACCESSIBLE.

C. FLOOR STRUCTURE IS SLAB ON CRAWLSPACE, UNDERSLAB PLUMBING TO BE ACCESSED VIA CORE DRILLING.

D. EXISTING SANITARY MAIN TO BE ADJUSTED TO ALLOW FOR CONNECTION OF NEW WASTE PIPING FROM GREASE TRAP.

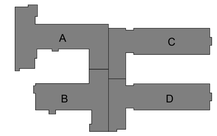
E. DEMOLISH AND REMOVE ALL SANITARY WASTE PIPING MAINS BELOW SLAB. EXISTING BRANCH PIPING EXTENDED TO RESTROOM GROUPS OR OTHER FIXTURES SHALL REMAIN AND BE PREPARED TO CONNECT TO NEW PIPING MAINS.

F. EXISTING PIPING IN AREAS WHERE EXISTING PLENUM IS TO BE CONVERTED TO PLENUM RATED SHALL BE DEMOLISHED AND REPLACED WITH PLENUM RATED MATERIALS. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS OF PIPING. REFERENCE MECHANICAL DRAWINGS FOR AREAS TO BE CONVERTED TO PLENUM RATED.

G. COORDINATE WITH DEMOLISHED ARCHITECTURAL WALLS. DISCOVERED PLUMBING PIPING SHALL BE REROUTED THROUGH ADJACENT WALLS TO RECONNECT TO EXISTING SYSTEMS.

NOTES BY SYMBOL (#)

1. DEMOLISH EXISTING PLUMBING FIXTURE(S). DEMOLISH EXISTING SUPPLY LINES FROM FIXTURE(S) BACK TO MAIN. DEMOLISH EXISTING VENT PLUMBING FROM FIXTURE(S) BACK TO MAIN. DEMOLISH ALL EXISTING SANITARY FROM FIXTURE(S) BACK TO MAIN. CAP AND SEAL EXISTING TO REMAIN PIPING.
2. EXISTING DOMESTIC WATER HEATER AND ASSOCIATED STORAGE TANK, PUMPS, AND EXPANSION TANK TO BE SALVAGED AND RELOCATED TO NEW LOCATION SHOWN.
3. CORE DRILL SLAB AS NECESSARY FOR NEW SANITARY LINE TO CONNECT INTO EXISTING SANITARY IN THIS AREA. FIELD VERIFY LOCATION OF EXISTING LINES IN CRAWL SPACE PRIOR TO WORK.
4. DEMOLISH EXISTING GREASE INTERCEPTOR AND ASSOCIATED COMPONENTS AND PREPARE FOR NEW GREASE INTERCEPTOR IN SAME LOCATION.
5. DEMOLISH EXISTING PLUMBING FIXTURE. PREPARE EXISTING PIPING TO CONNECT TO NEW PLUMBING FIXTURE.
6. DEMOLISH EXISTING WATER VALVES RECESSED IN FLOOR THROUGHOUT KITCHEN.
7. CONTRACTOR TO FIELD VERIFY EXISTING SANITARY ELEVATIONS. ALL EXISTING MAIN SANITARY LINES ARE TO BE DEMOLISHED AND REPLACED WITH NEW. EXISTING BRANCHES SHALL BE MODIFIED AS REQUIRED TO MEET SLOPING REQUIRED BY THE SANITARY MAIN. CONTRACTOR TO FIELD VERIFY EXISTING SANITARY LEAVING THE BUILDING AND COORDINATE WITH CIVIL AND THE EXISTING SANITARY MAIN TO ADJUST SLOPING AS NEEDED.



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MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
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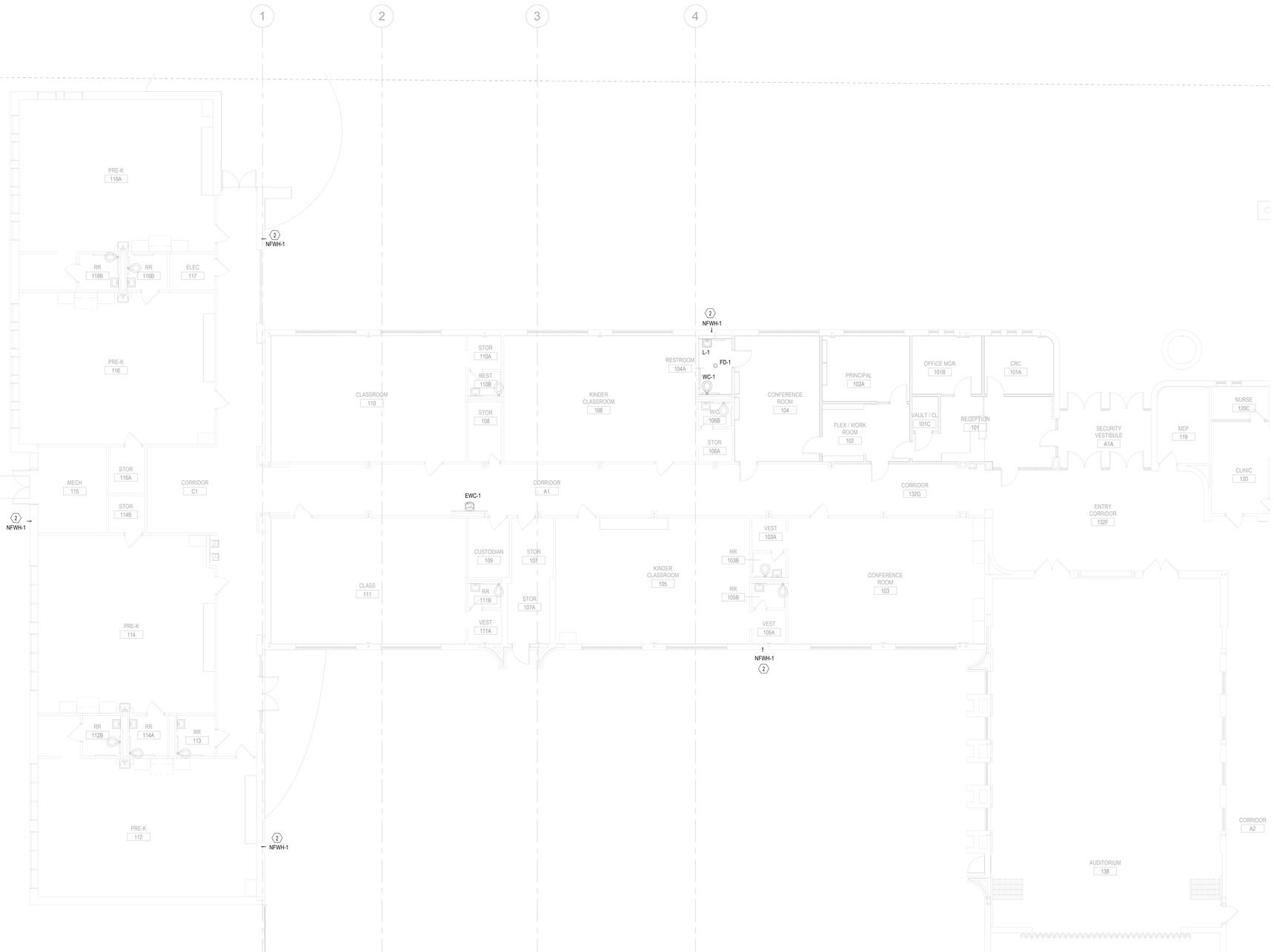
PLUMBING DEMO PLAN - LEVEL 1

PD101

SCALE: As indicated

Project Name: ORG. #235 BAES Date:01/16/2026



1 PLUMBING ANNOTATION PLAN - LEVEL 1 AREA A

1/8" = 1'-0"

PLAN NOTES

A. REFER TO UNDERSLAB, PLUMBING SUPPLY, AND PLUMBING WASTE & VENT PLANS FOR ALL PIPING.

B. REFER TO PLUMBING SCHEDULES AND SPECIFICATIONS FOR PRODUCT INFORMATION AND REQUIREMENTS.

C. REFER TO UNDERSLAB AND PLUMBING WASTE & VENT PLANS FOR CLEANOUT LOCATIONS.

NOTES BY SYMBOL (#)

1. PROVIDE NEW NON-FREEZE HOSE BIBB AT THIS APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH OWNER.
2. REPLACE EXISTING NON-FREEZE HOSE BIBB WITH NEW PER SCHEDULE AND RECONNECT TO EXISTING PIPING. PROVIDE SHUT-OFF VALVE INDOORS IF NOT OTHERWISE EXISTING.
3. RELOCATED EXISTING WATER HEATER TO LOCATION SHOWN.

PROJECT CODE
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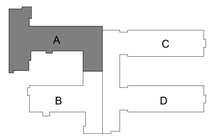

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ISSUES & REVISIONS

No.	Date	Revision
1	02/22/2026	IFP

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
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Contact: Akshai Ramakrishnan
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MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
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Contact: Richard R. Smith
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IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

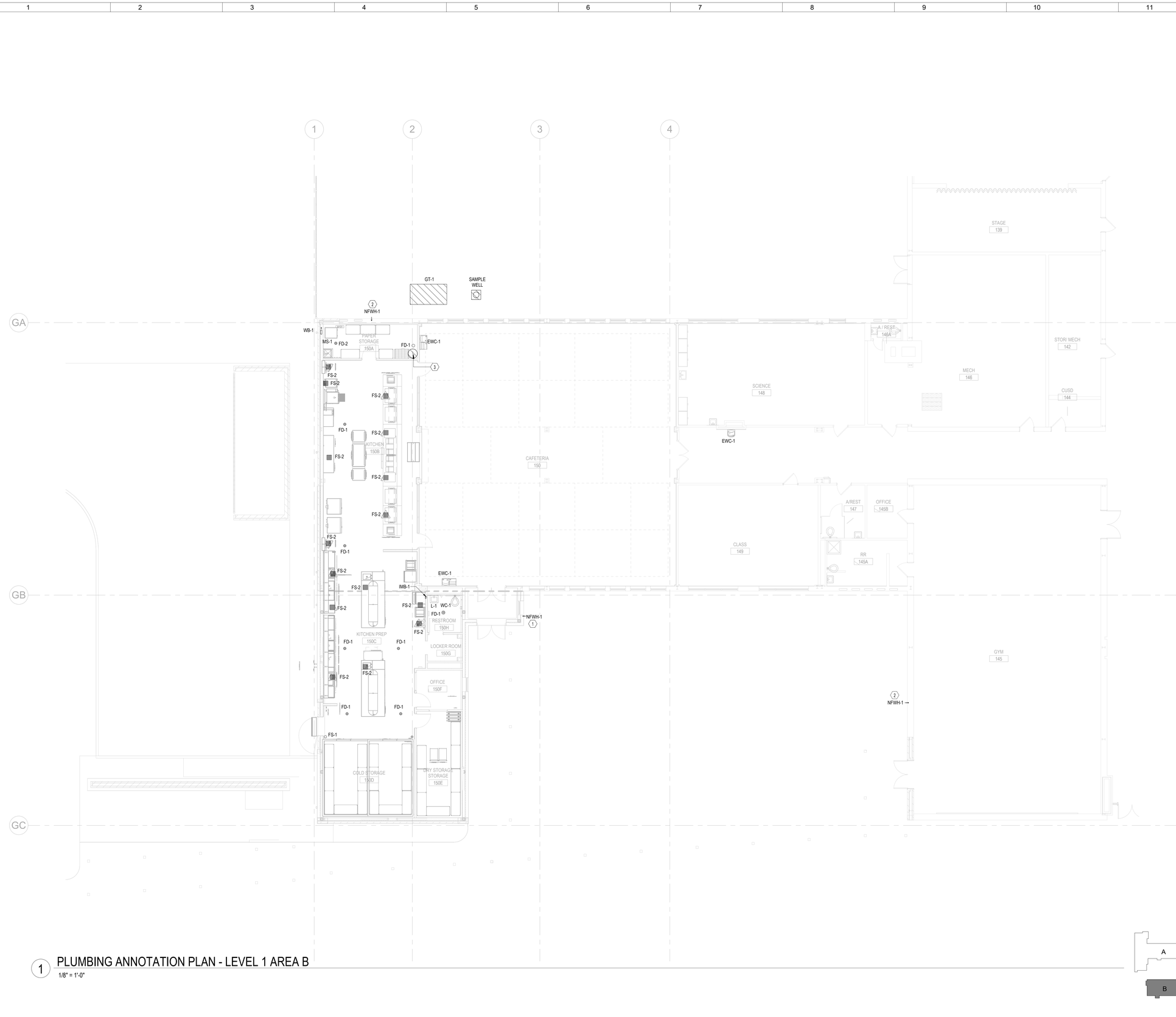
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

PLUMBING ANNOTATION PLAN - LEVEL 1 AREA A

PJ101

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 PLUMBING ANNOTATION PLAN - LEVEL 1 AREA B

1/8" = 1'-0"

PLAN NOTES

A. REFER TO UNDERSLAB, PLUMBING SUPPLY, AND PLUMBING WASTE & VENT PLANS FOR ALL PIPING.

B. REFER TO PLUMBING SCHEDULES AND SPECIFICATIONS FOR PRODUCT INFORMATION AND REQUIREMENTS.

C. REFER TO UNDERSLAB AND PLUMBING WASTE & VENT PLANS FOR CLEANOUT LOCATIONS.

NOTES BY SYMBOL (#)

1. PROVIDE NEW NON-FREEZE HOSE BIBB AT THIS APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH OWNER.
2. REPLACE EXISTING NON-FREEZE HOSE BIBB WITH NEW PER SCHEDULE AND RECONNECT TO EXISTING PIPING. PROVIDE SHUT-OFF VALVE INDOORS IF NOT OTHERWISE EXISTING.
3. RELOCATED EXISTING WATER HEATER TO LOCATION SHOWN.

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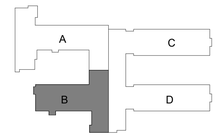
972-870-9060

PROJECT CODE
31.00430



TRUE NORTH

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Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS — ADAM NEMATI — 102287 — LICENSED PROFESSIONAL ENGINEER — 02/11/2026

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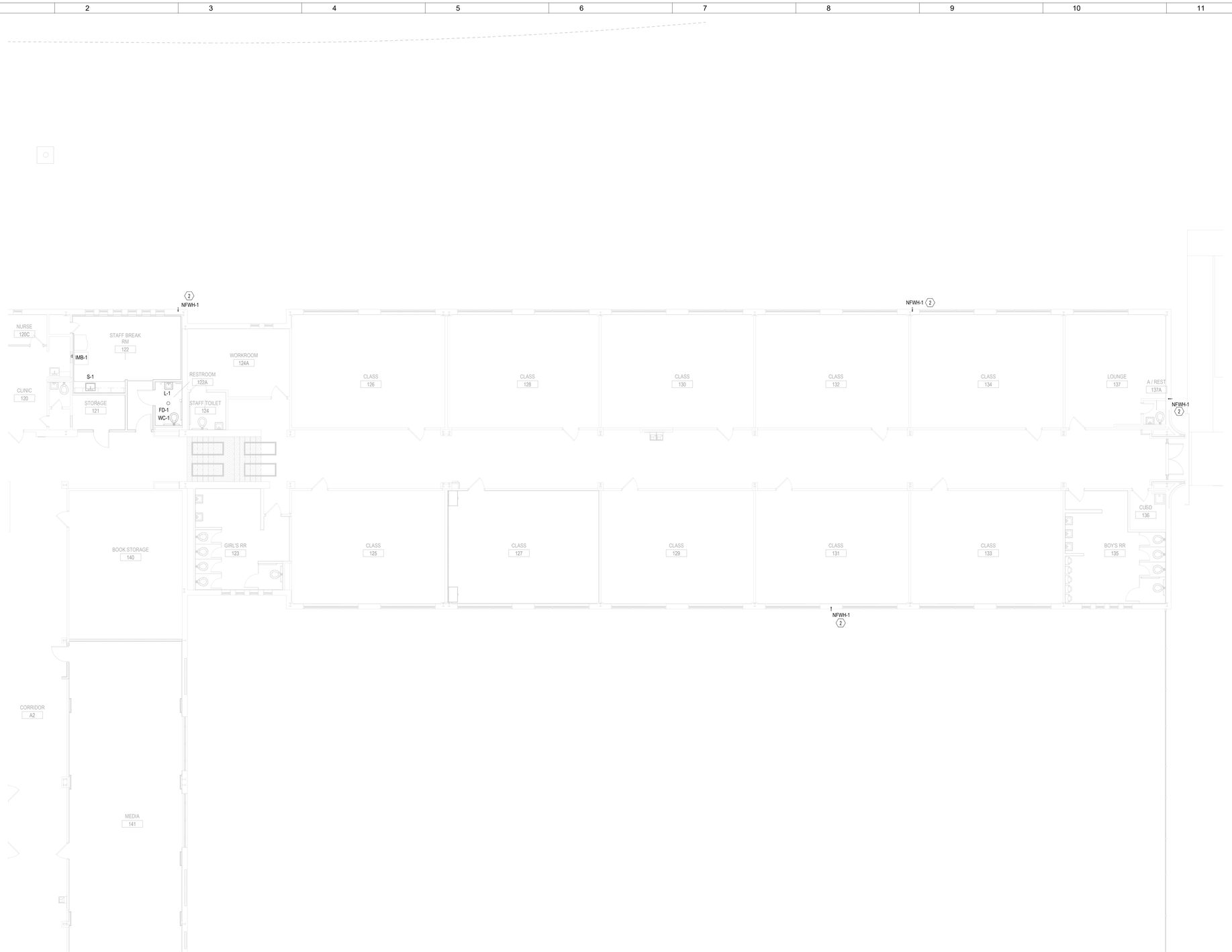
PLUMBING ANNOTATION PLAN - LEVEL 1 AREA B

PJ102

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 PLUMBING ANNOTATION PLAN - LEVEL 1 AREA C

1/8" = 1'-0"

PLAN NOTES

A. REFER TO UNDERSLAB, PLUMBING SUPPLY, AND PLUMBING WASTE & VENT PLANS FOR ALL PIPING.

B. REFER TO PLUMBING SCHEDULES AND SPECIFICATIONS FOR PRODUCT INFORMATION AND REQUIREMENTS.

C. REFER TO UNDERSLAB AND PLUMBING WASTE & VENT PLANS FOR CLEANOUT LOCATIONS.

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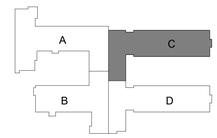
3. RELOCATED EXISTING WATER HEATER TO LOCATION SHOWN.



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Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

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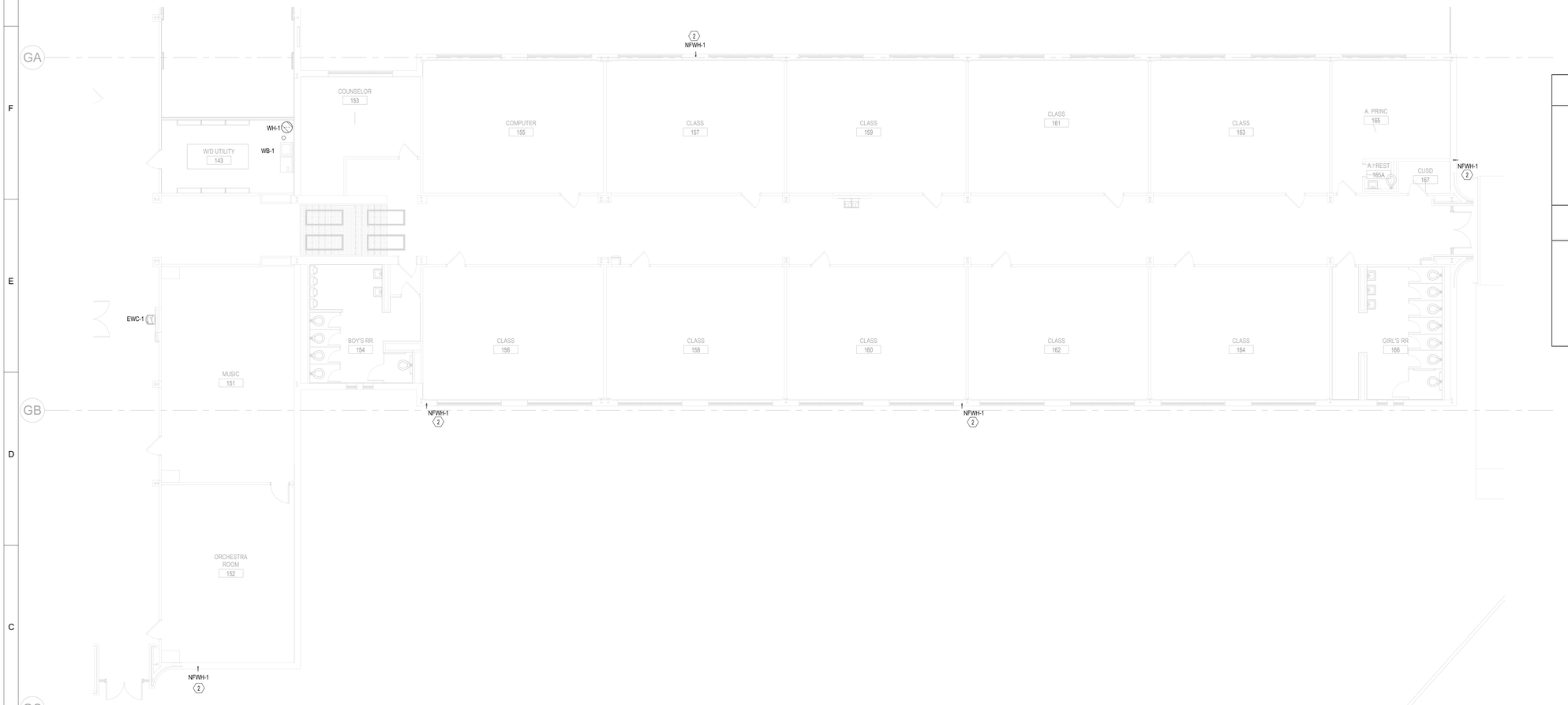
PLUMBING ANNOTATION PLAN - LEVEL 1 AREA C

PJ103

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 PLUMBING ANNOTATION PLAN - LEVEL 1 AREA D

1/8" = 1'-0"

PLAN NOTES

A. REFER TO UNDERSLAB, PLUMBING SUPPLY, AND PLUMBING WASTE & VENT PLANS FOR ALL PIPING.

B. REFER TO PLUMBING SCHEDULES AND SPECIFICATIONS FOR PRODUCT INFORMATION AND REQUIREMENTS.

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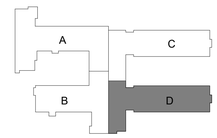

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Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
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Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

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Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

PLUMBING ANNOTATION PLAN - LEVEL 1 AREA D

PJ104

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

Project Name: ORG. #235 BAES Date:01/16/2026

1 PLUMBING UNDERSLAB PLAN - LEVEL 1

1/16" = 1'-0"

PLAN NOTES

A. CONTRACTOR SHALL VERIFY SANITARY INVERT ELEVATIONS PRIOR TO CONSTRUCTION.

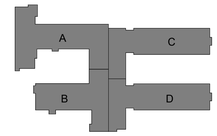
B. CONTRACTOR SHALL FIELD COORDINATE ALL UNDERGROUND PIPING WITH MECHANICAL, CIVIL, ELECTRICAL, AND LANDSCAPING DISCIPLINES.

C. PENETRATE STRUCTURAL GRADE BEAMS/PIER CAPS AS REQUIRED. REFER TO STRUCTURAL DRAWINGS FOR GRADE BEAM PENETRATION DETAILS. ROUTE UNDERSLAB PIPING BENEATH GRADE BEAMS AS OFTEN AS POSSIBLE. DO NOT PENETRATE PIERS, OFFSET PIPING AS REQUIRED.

D. PROVIDE P-TRAPS FOR ALL PLUMBING FIXTURES AS REQUIRED BY CODE.

NOTES BY SYMBOL (#)

1. PIPING TO/FROM ROOF.
2. VENT PIPING THRU ROOF.
3. EXTEND EXISTING PLUMBING AS NECESSARY TO CONNECT TO NEW FIXTURE. COORDINATE WITH DISTRICT TO PROVIDE NEW SANITARY BACK TO MAIN.
4. PROVIDE NEW 2500 GALLON GREASE TRAP. COORDINATE EXACT LOCATION WITH CIVIL.
5. FURNISH AND INSTALL NEW GREASE WASTE PIPING MAINS BELOW SLAB. PROVIDE NEW CLEANOUTS AS NEEDED TO MAINTAIN A MAXIMUM 100-FT DISTANCE BETWEEN ANY CLEANOUTS.
6. PROVIDE AND INSTALL CONDENSATE PIPING FROM UNIT TO TAILPIECE OF EXISTING LAVATORY. VERIFY RECONNECTION/REUSE OF EXISTING CONDENSATE PIPING PRIOR TO BID.
7. PROVIDE AND INSTALL CONDENSATE PIPING FROM UNIT TO TAILPIECE OF LAVATORY
8. FURNISH AND INSTALL NEW SANITARY WASTE PIPING BELOW SLAB. NEW SANITARY WASTE PIPING SHALL FOLLOW THE SAME GENERAL ROUTE AS PREVIOUSLY EXISTING TO REMAIN SANITARY WASTE PIPING. COORDINATE ELEVATION FROM FURTHEST FIXTURE TO CIVIL CONNECTION TO ENSURE PROPER SLOPING OF SYSTEM. REUSE FLOOR CLEANOUTS WHERE FEASIBLE. PROVIDE NEW FLOOR CLEANOUTS AS NEEDED TO MAINTAIN 100-FT DISTANCE BETWEEN ANY CLEANOUTS OR TURN IN PIPE. RECONNECT EXISTING BRANCH PIPING TO MAINS.
9. RUN HOT WATER LINE DOWN WALL UNDER SLAB AND OUT TO FIXURE. REFERENCE FOOD SERVICE DRAWINGS FOR MORE INFORMATION.
10. PROVIDE/ADJUST EXISTING WASTE PIPING FOR NEW HI/LOW DRINKING FOUNTAIN.



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Engineering Firm : F-4050
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www.mepce.com
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PROJECT CODE
31.00430

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DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
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STATE OF TEXAS — ADAM NEMATI — 102287 — LICENSED ARCHITECT — REGISTERED — 02/11/2026

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Foodservice Design Professionals
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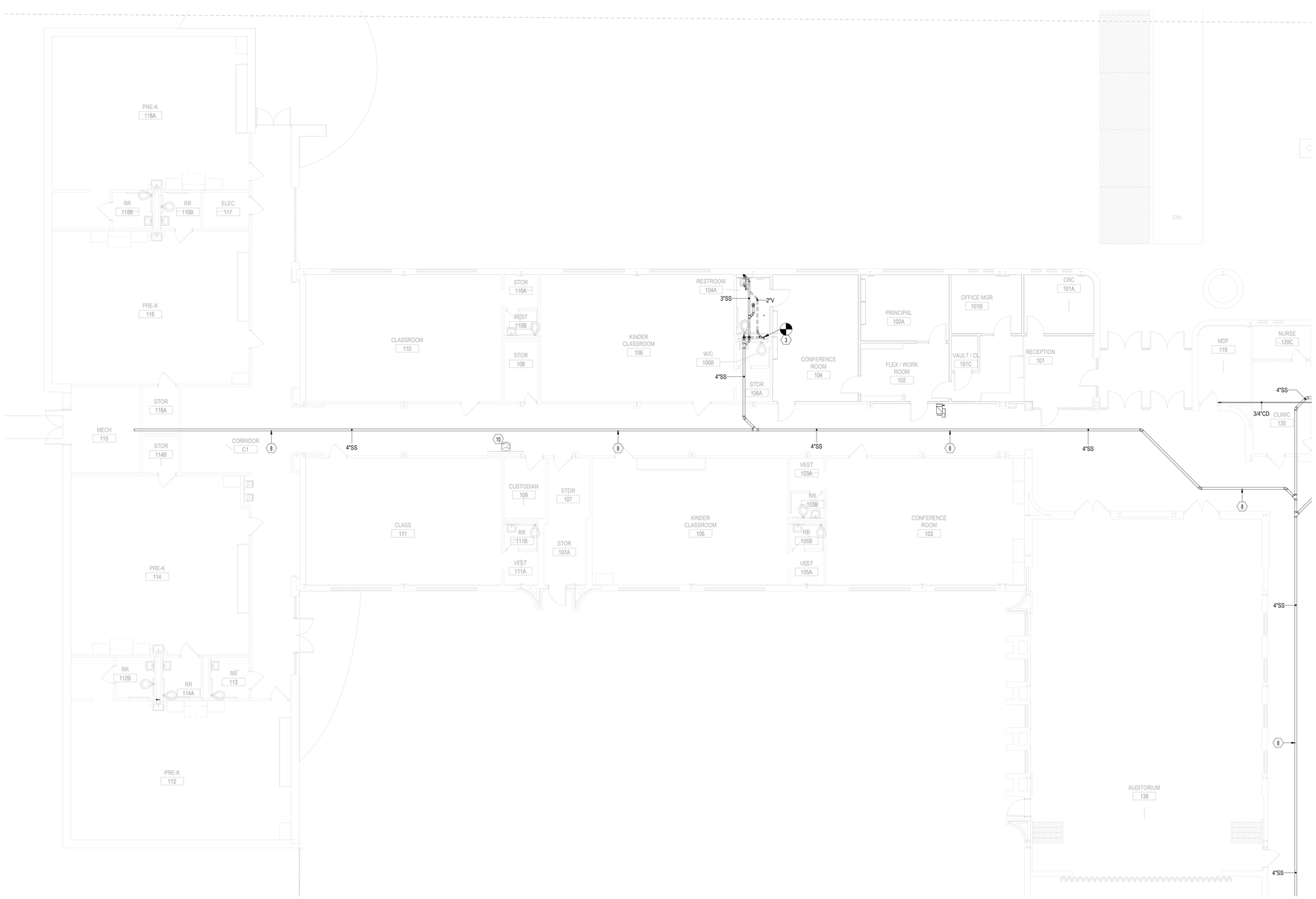
PLUMBING UNDERSLAB PLAN

PK101

SCALE: As indicated

Project Name: ORG. #235 BAES Date:01/16/2026



1 PLUMBING WASTE & VENT PLAN - LEVEL 1 AREA A

1/8" = 1'-0"

PLAN NOTES

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D. PROVIDE P-TRAPS FOR ALL PLUMBING FIXTURES AS REQUIRED BY CODE.

NOTES BY SYMBOL (#)

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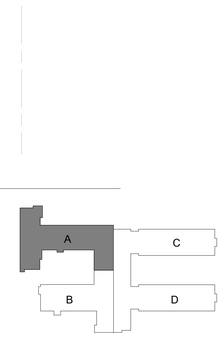

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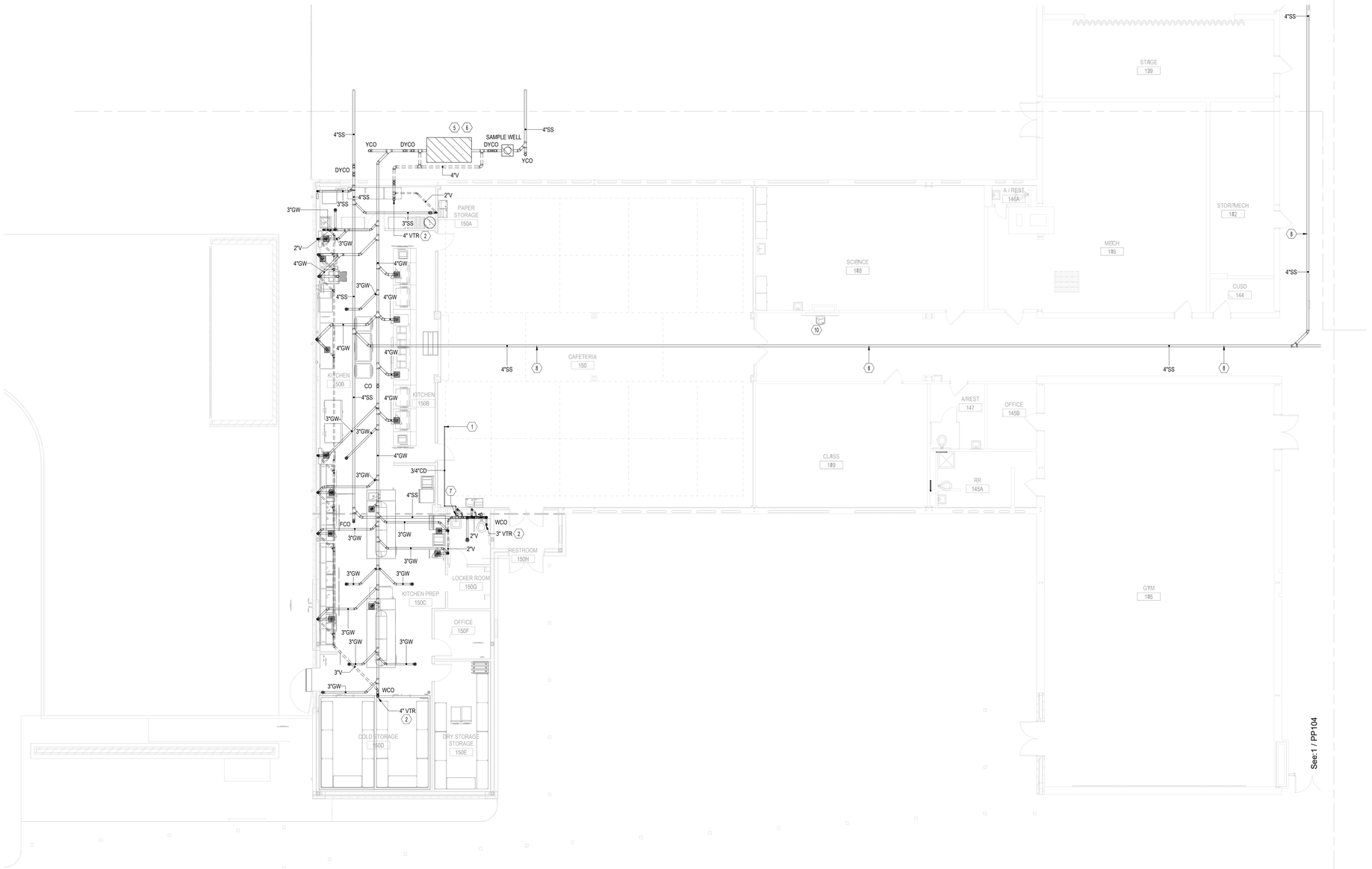
PLUMBING WASTE & VENT PLAN - LEVEL 1 AREA A

PP101

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 PLUMBING WASTE & VENT PLAN - LEVEL 1 AREA B

1/8" = 1'-0"

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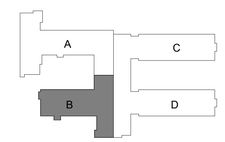
6. PROVIDE AND INSTALL CONDENSATE PIPING FROM UNIT TO TAILPIECE OF EXISTING LAVATORY. VERIFY RECONNECTION/REUSE OF EXISTING CONDENSATE PIPING PRIOR TO BID.
7. PROVIDE AND INSTALL CONDENSATE PIPING FROM UNIT TO TAILPIECE OF LAVATORY
8. FURNISH AND INSTALL NEW SANITARY WASTE PIPING BELOW SLAB. NEW SANITARY WASTE PIPING SHALL FOLLOW THE SAME GENERAL ROUTE AS PREVIOUSLY EXISTING TO REMAIN SANITARY WASTE PIPING. COORDINATE ELEVATION FROM FURTHEST FIXTURE TO CIVIL CONNECTION TO ENSURE PROPER SLOPING OF SYSTEM. REUSE FLOOR CLEANOUTS WHERE FEASIBLE. PROVIDE NEW FLOOR CLEANOUTS AS NEEDED TO MAINTAIN 100-FT DISTANCE BETWEEN ANY CLEANOUTS OR TURN IN PIPE. RECONNECT EXISTING BRANCH PIPING TO MAINS.
9. RUN HOT WATER LINE DOWN WALL UNDER SLAB AND OUT TO FIXURE. REFERENCE FOOD SERVICE DRAWINGS FOR MORE INFORMATION.
10. PROVIDE/ADJUST EXISTING WASTE PIPING FOR NEW HI/LOW DRINKING FOUNTAIN.



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Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS
P. ADAM NEMATI
102287
LICENSED
PROFESSIONAL ENGINEER
02/11/2026

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No.	Date	Revision
1	02/22/2026	IFP

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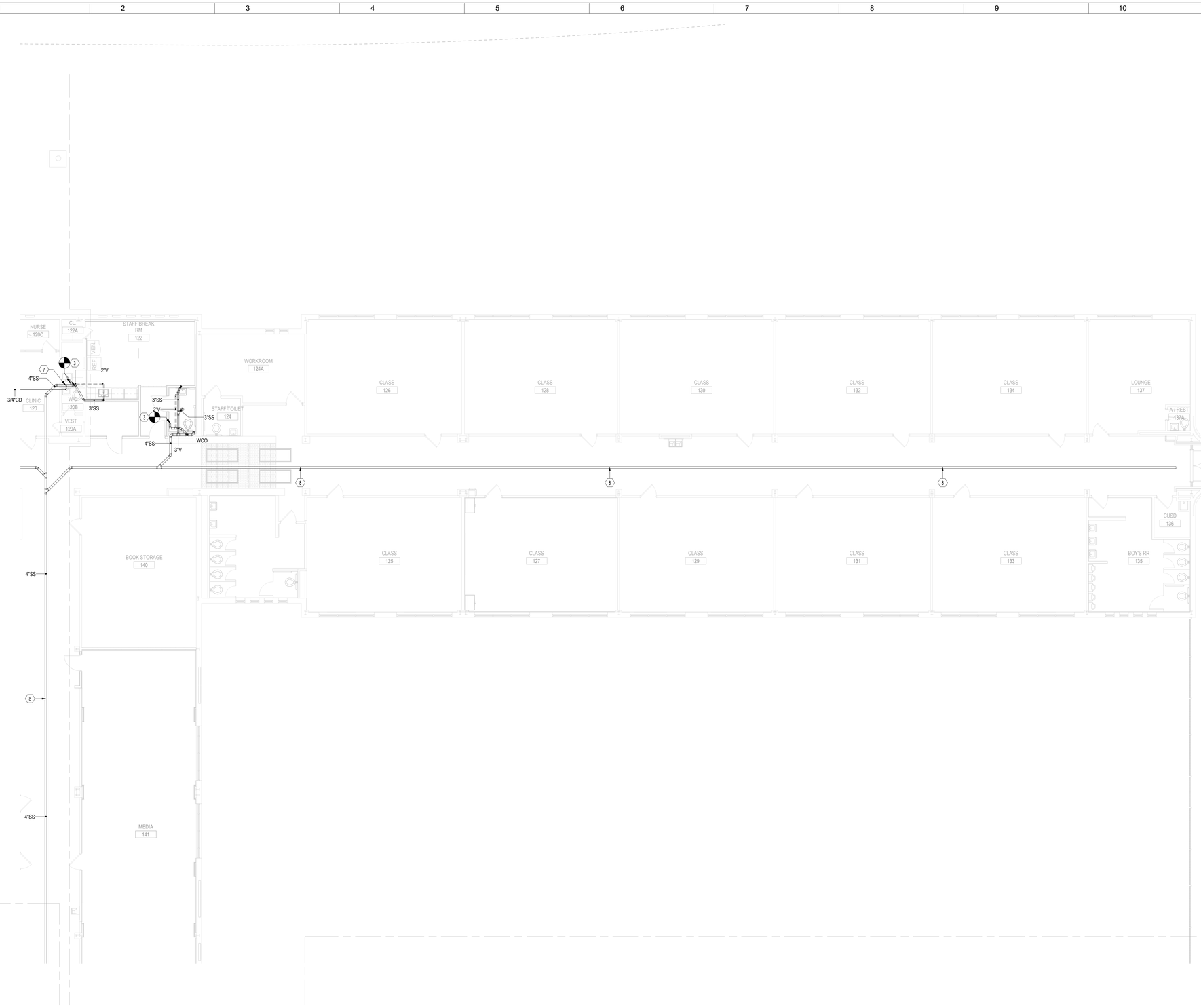
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

PLUMBING WASTE & VENT PLAN - LEVEL 1 AREA B

PP102

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 PLUMBING WASTE & VENT PLAN - LEVEL 1 AREA C

1/8" = 1'-0"

PLAN NOTES

A. CONTRACTOR SHALL VERIFY SANITARY INVERT ELEVATIONS PRIOR TO CONSTRUCTION.

B. CONTRACTOR SHALL FIELD COORDINATE ALL UNDERGROUND PIPING WITH MECHANICAL, CIVIL, ELECTRICAL, AND LANDSCAPING DISCIPLINES.

C. PENETRATE STRUCTURAL GRADE BEAMS/PIER CAPS AS REQUIRED. REFER TO STRUCTURAL DRAWINGS FOR GRADE BEAM PENETRATION DETAILS. ROUTE UNDERSLAB PIPING BENEATH GRADE BEAMS AS OFTEN AS POSSIBLE. DO NOT PENETRATE PIERS, OFFSET PIPING AS REQUIRED.

D. PROVIDE P-TRAPS FOR ALL PLUMBING FIXTURES AS REQUIRED BY CODE.

NOTES BY SYMBOL (#)

1. PIPING TO/FROM ROOF.
2. VENT PIPING THRU ROOF.
3. EXTEND EXISTING PLUMBING AS NECESSARY TO CONNECT TO NEW FIXTURE. COORDINATE WITH DISTRICT TO PROVIDE NEW SANITARY BACK TO MAIN.
4. PROVIDE NEW 2500 GALLON GREASE TRAP. COORDINATE EXACT LOCATION WITH CIVIL.
5. FURNISH AND INSTALL NEW GREASE WASTE PIPING MAINS BELOW SLAB. PROVIDE NEW CLEANOUTS AS NEEDED TO MAINTAIN A MAXIMUM 100-FT DISTANCE BETWEEN ANY CLEANOUTS.
6. PROVIDE AND INSTALL CONDENSATE PIPING FROM UNIT TO TAILPIECE OF EXISTING LAVATORY. VERIFY RECONNECTION/REUSE OF EXISTING CONDENSATE PIPING PRIOR TO BID.
7. PROVIDE AND INSTALL CONDENSATE PIPING FROM UNIT TO TAILPIECE OF LAVATORY
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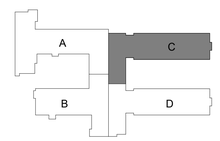

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PROJECT CODE
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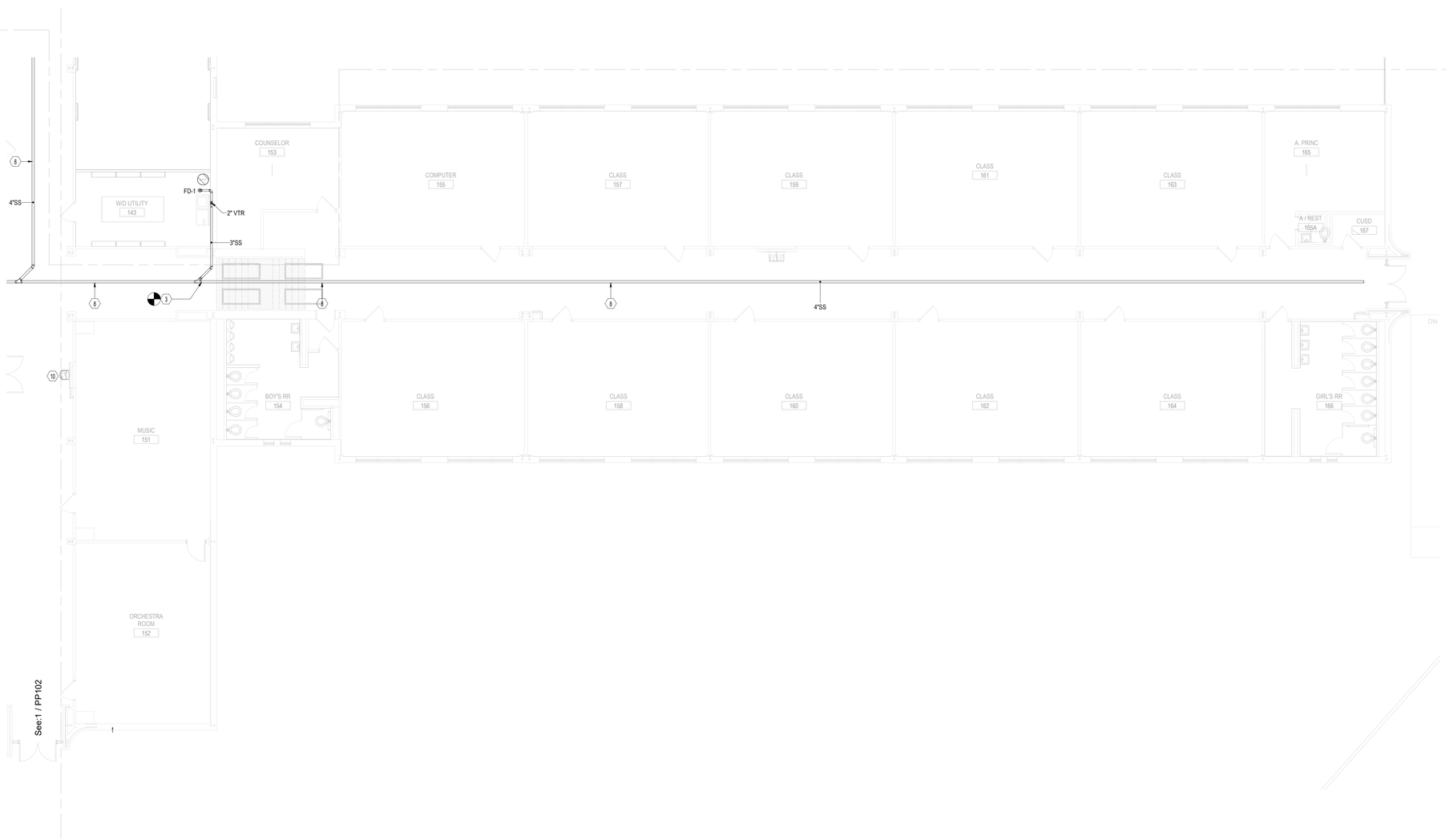
PLUMBING WASTE & VENT PLAN - LEVEL 1 AREA C

PP103

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 PLUMBING WASTE & VENT PLAN - LEVEL 1 AREA D

1/8" = 1'-0"

PLAN NOTES

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D. PROVIDE P-TRAPS FOR ALL PLUMBING FIXTURES AS REQUIRED BY CODE.

NOTES BY SYMBOL (#)

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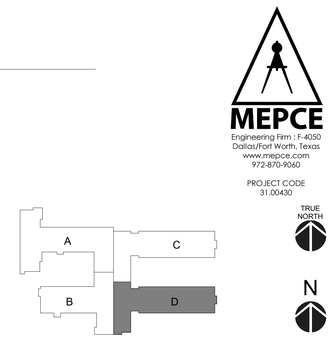

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Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9040

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Permit Issue

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HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
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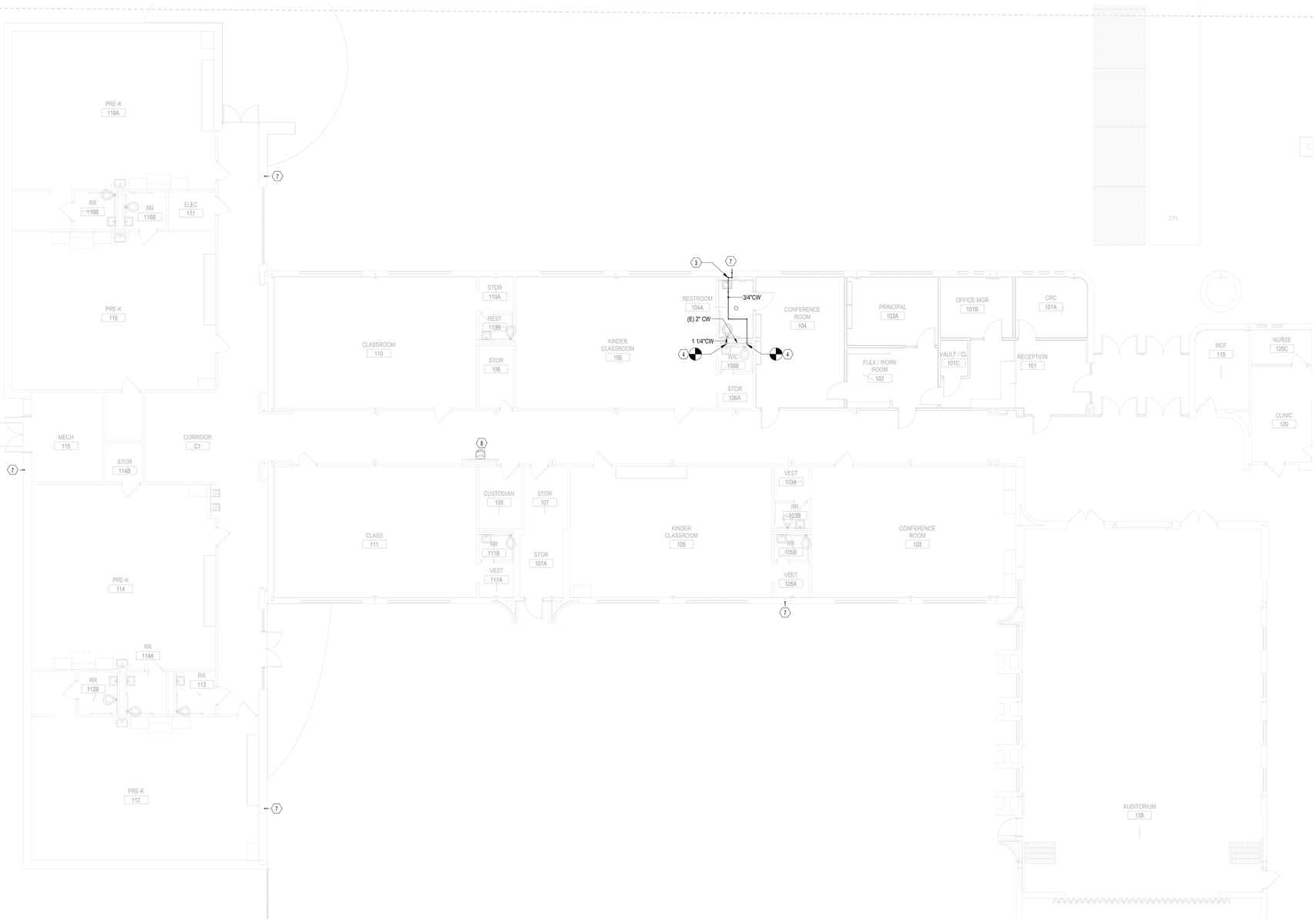
PLUMBING WASTE & VENT PLAN - LEVEL 1 AREA D

PP104

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



1 PLUMBING SUPPLY PLAN - LEVEL 1 AREA A

1/8" = 1'-0"

PLAN NOTES

A. CONTRACTOR SHALL FIELD COORDINATE ALL CONDITION WITH ALL DISCIPLINES AND ADJUST PIPING LAYOUT AS NECESSARY.

B. PROVIDE 8"X8" ACCESS PANELS FOR ALL SHUT-OFF VALVES LOCATED ABOVE INACCESSIBLE CEILINGS OR CONCEALED WITHIN WALLS. COORDINATE WITH ARCHITECT FOR FINAL FINISHES.

C. PIPE 1/2" COLD WATER AND HOT WATER IN WALL TO EACH SINK/LAVATORY/SHOWER/WASHING MACHINE WALL BOX. PIPE 1" COLD WATER IN WALL TO EACH WATER CLOSET. PIPE 1/2" COLD WATER DOWN IN WALL TO EACH ELECTRIC WATER COOLER/ICE MAKER BOX. PIPE 3/4" COLD WATER DOWN IN WALL TO EACH NON-FREEZE WALL HYDRANT. PIPE 3/4" COLD WATER AND HOT WATER IN WALL TO EACH MOP SINK. REFER TO NOTES BY SYMBOL AND NOTES ON SHEET FOR ALL OTHER WATER DISTRIBUTION INSTRUCTIONS.

D. ALL PIPING SHALL BE CONCEALED ABOVE CEILING UNLESS IN A MECHANICAL ROOM.

E. PROVIDE ESCUTCHEONS AT ALL PIPE PENETRATIONS THROUGH WALLS THAT ARE VISIBLE BELOW CEILINGS OR IN OPEN TO DECK AREAS OF NORMALLY OCCUPIED SPACES.

F. INSULATED PIPING SHALL BE CONTINUOUS THROUGH WALLS/FLOORS ETC TO PREVENT CONDENSATION. ALL INSULATED PIPING PENETRATIONS SHALL BE SLEEVED.

G. FURNISH QUARTER TURN BALL VALVES ON ALL DOMESTIC HOT AND COLD WATER BRANCH LINES SERVING FIXTURES.

H. PROVIDE WATTS LF009 REDUCED PRESSURE ZONE BACKFLOW PREVENTER PRIOR TO DOMESTIC COLD WATER ICE MACHINE CONNECTIONS.

I. PROVIDE WATER FILTER AT ALL COLD WATER LINES SERVING ELECTRIC WATER COOLERS, COFFEE MAKERS, ICE MACHINES, SODA FOUNTAINS, AND BREAK ROOM SINKS. FILTER SHALL BE BETTER WATERS 3M XL7000 OR EQUAL. FILTER SHALL BE CONCEALED BENEATH CASEWORK AND IN AN ACCESSIBLE LOCATION.

J. CONNECT NATURAL GAS TO EACH NATURAL GAS FURNACE UNIT. FURNISH PLUG VALVE, APPLIANCE REGULATOR, AND 6" DIRT LEG PRIOR TO CONNECTION.

NOTES BY SYMBOL (#)

1. PIPING TO/FROM ADJACENT LEVEL
   A. UP TO FLOOR ABOVE
   B. UP FROM FLOOR BELOW
2. RELOCATE EXISTING WATER HEATER TO NEW LOCATION AND SHOWN. PROVIDE ALL NEW PIPING AND APPERTENANCES.
3. SUPPLY PIPING FROM CRAWL SPACE THROUGH FLOOR TO SERVE FIXTURES ON LEVEL ABOVE. REFER TO PLUMBING FIXTURE SCHEDULE FOR SIZING.
4. CONNECT NEW SUPPLY PIPING FROM NEARBY SUPPLY MAINS TO PLUMBING FIXTURE.
5. DIV 22 CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE GAS SERVICE PROVIDER, PROVIDING ALL INFORMATION NEEDED, COORDINATING ALL DESIGN AND CONSTRUCTION WORK TO COINCIDE WITH THE CONSTRUCTION SCHEDULE AND SHALL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH THIS WORK.
6. PROVIDE NEW NON-FREEZE HOSE BIBB AT THIS APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH OWNER.
7. REPLACE EXISTING NON-FREEZE HOSE BIBB WITH NEW PER SCHEDULE AND RECONNECT TO EXISTING PIPING.
8. ADJUST EXISTING SUPPLY PIPING FOR NEW HI/LOW DRINKING FOUNTAIN.

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PROJECT CODE
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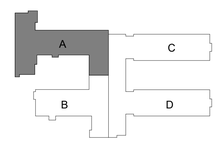

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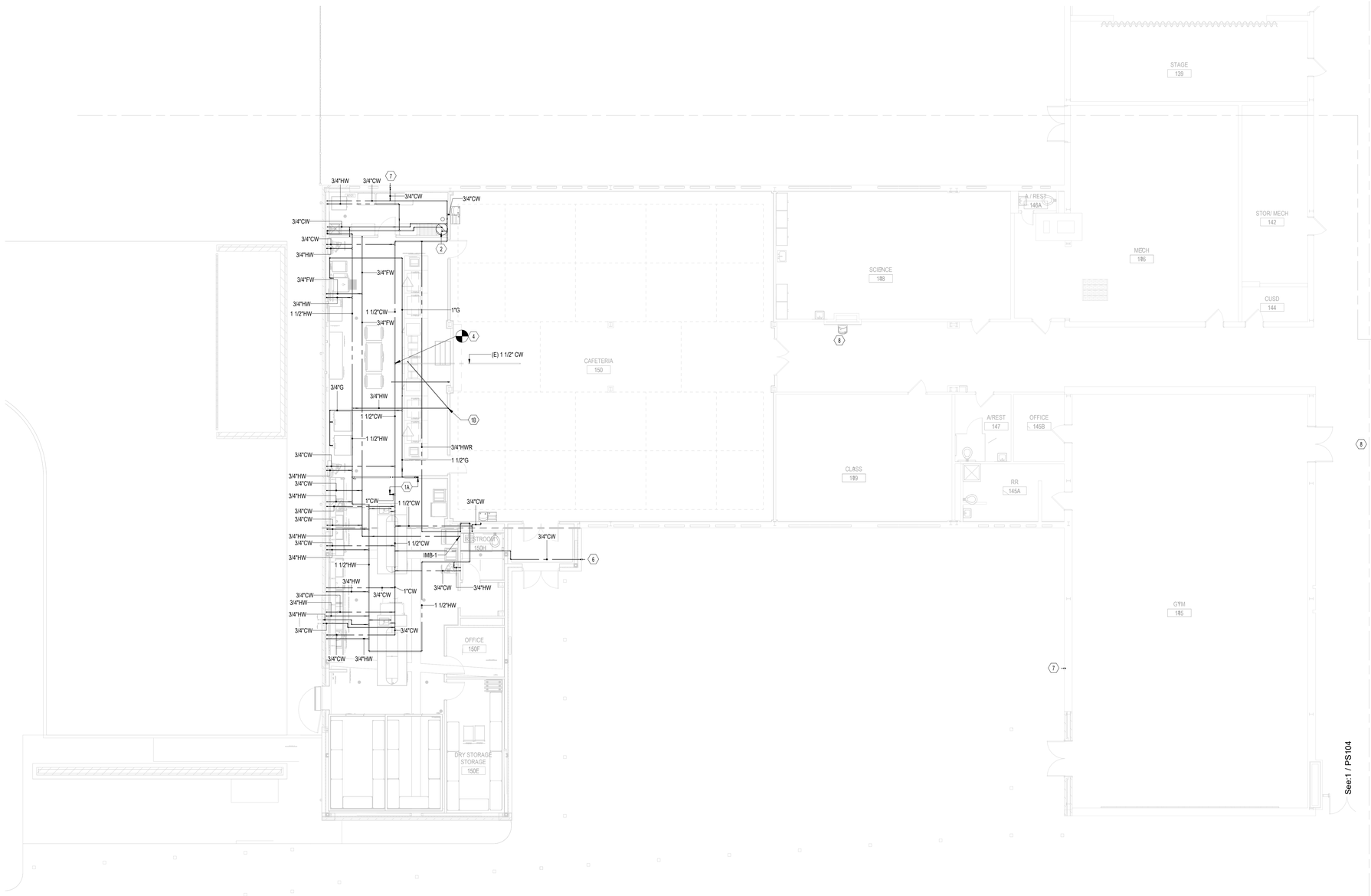
PLUMBING SUPPLY PLAN - LEVEL 1 AREA A

PS101

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 PLUMBING SUPPLY PLAN - LEVEL 1 AREA B

1/8" = 1'-0"

PLAN NOTES

A. CONTRACTOR SHALL FIELD COORDINATE ALL CONDITION WITH ALL DISCIPLINES AND ADJUST PIPING LAYOUT AS NECESSARY.

B. PROVIDE 8"X8" ACCESS PANELS FOR ALL SHUT-OFF VALVES LOCATED ABOVE INACCESSIBLE CEILINGS OR CONCEALED WITHIN WALLS. COORDINATE WITH ARCHITECT FOR FINAL FINISHES.

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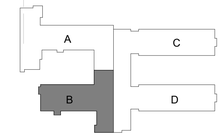

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STATE OF TEXAS — ADAM NEMATI — 102287 — LICENSED ARCHITECT — REGISTERED — 02/11/2026

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ISSUES & REVISIONS

No.	Date	Revision
1	02/22/2026	IFP

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

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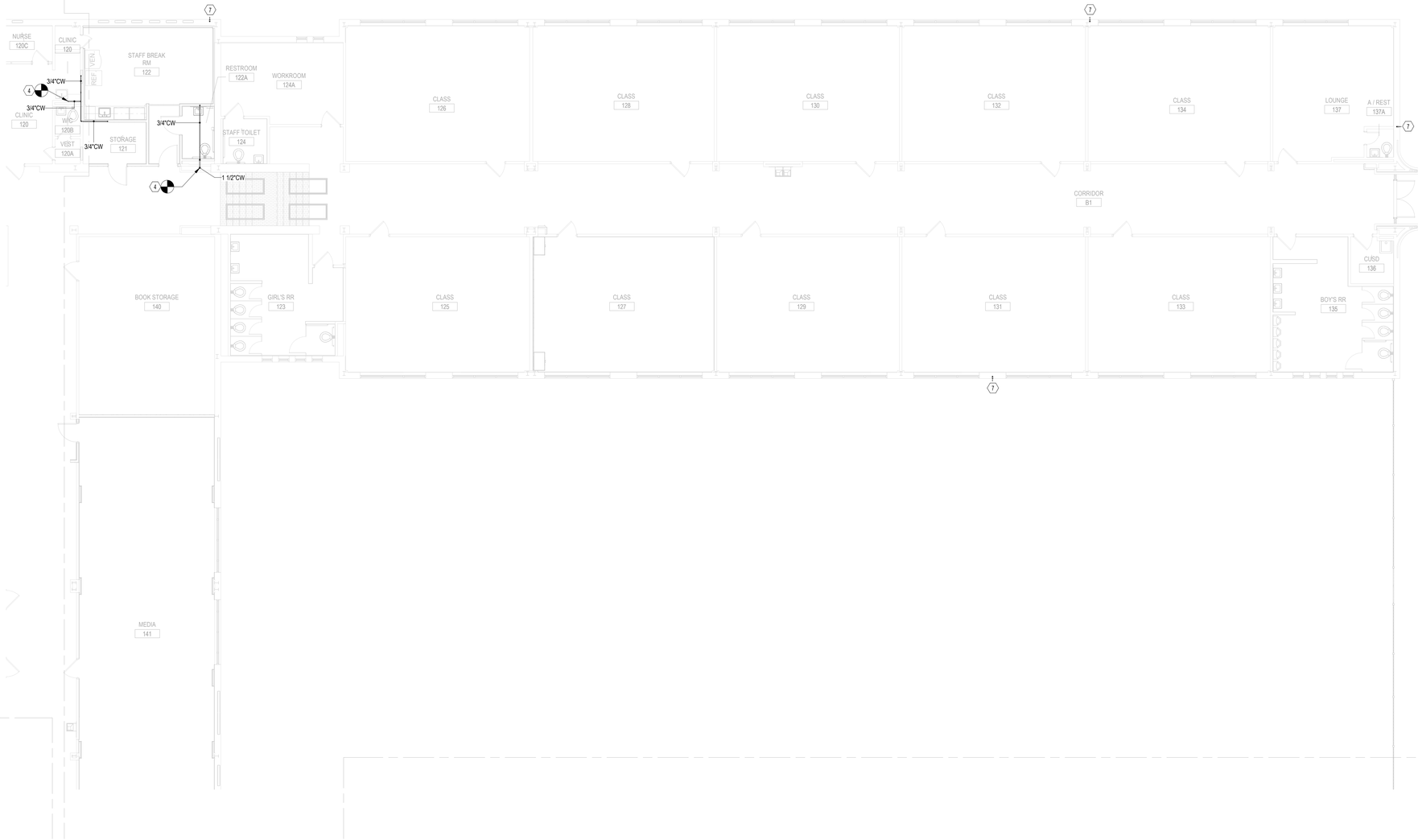
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

PLUMBING SUPPLY PLAN - LEVEL 1 AREA B

PS102

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



1 PLUMBING SUPPLY PLAN - LEVEL 1 AREA C

1/8" = 1'-0"

PLAN NOTES

A. CONTRACTOR SHALL FIELD COORDINATE ALL CONDITION WITH ALL DISCIPLINES AND ADJUST PIPING LAYOUT AS NECESSARY.

B. PROVIDE 8"X8" ACCESS PANELS FOR ALL SHUT-OFF VALVES LOCATED ABOVE INACCESSIBLE CEILINGS OR CONCEALED WITHIN WALLS. COORDINATE WITH ARCHITECT FOR FINAL FINISHES.

C. PIPE 1/2" COLD WATER AND HOT WATER IN WALL TO EACH SINK/LAVATORY/SHOWER/WASHING MACHINE WALL BOX. PIPE 1" COLD WATER IN WALL TO EACH WATER CLOSET. PIPE 1/2" COLD WATER DOWN IN WALL TO EACH ELECTRIC WATER COOLER/ICE MAKER BOX. PIPE 3/4" COLD WATER DOWN IN WALL TO EACH NON-FREEZE WALL HYDRANT. PIPE 3/4" COLD WATER AND HOT WATER IN WALL TO EACH MOP SINK. REFER TO NOTES BY SYMBOL AND NOTES ON SHEET FOR ALL OTHER WATER DISTRIBUTION INSTRUCTIONS.

D. ALL PIPING SHALL BE CONCEALED ABOVE CEILING UNLESS IN A MECHANICAL ROOM.

E. PROVIDE ESCUTCHEONS AT ALL PIPE PENETRATIONS THROUGH WALLS THAT ARE VISIBLE BELOW CEILINGS OR IN OPEN TO DECK AREAS OF NORMALLY OCCUPIED SPACES.

F. INSULATED PIPING SHALL BE CONTINUOUS THROUGH WALLS/FLOORS ETC TO PREVENT CONDENSATION. ALL INSULATED PIPING PENETRATIONS SHALL BE SLEEVED.

G. FURNISH QUARTER TURN BALL VALVES ON ALL DOMESTIC HOT AND COLD WATER BRANCH LINES SERVING FIXTURES.

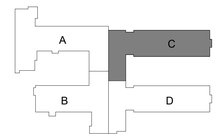
H. PROVIDE WATTS LF009 REDUCED PRESSURE ZONE BACKFLOW PREVENTER PRIOR TO DOMESTIC COLD WATER ICE MACHINE CONNECTIONS.

I. PROVIDE WATER FILTER AT ALL COLD WATER LINES SERVING ELECTRIC WATER COOLERS, COFFEE MAKERS, ICE MACHINES, SODA FOUNTAINS, AND BREAK ROOM SINKS. FILTER SHALL BE BETTER WATERS 3M XL7000 OR EQUAL. FILTER SHALL BE CONCEALED BENEATH CASEWORK AND IN AN ACCESSIBLE LOCATION.

J. CONNECT NATURAL GAS TO EACH NATURAL GAS FURNACE UNIT. FURNISH PLUG VALVE, APPLIANCE REGULATOR, AND 6" DIRT LEG PRIOR TO CONNECTION.

NOTES BY SYMBOL

1. PIPING TO/FROM ADJACENT LEVEL
   A. UP TO FLOOR ABOVE
   B. UP FROM FLOOR BELOW
2. RELOCATE EXISTING WATER HEATER TO NEW LOCATION AND SHOWN. PROVIDE ALL NEW PIPING AND APPERTENANCES.
3. SUPPLY PIPING FROM CRAWL SPACE THROUGH FLOOR TO SERVE FIXTURES ON LEVEL ABOVE. REFER TO PLUMBING FIXTURE SCHEDULE FOR SIZING.
4. CONNECT NEW SUPPLY PIPING FROM NEARBY SUPPLY MAINS TO PLUMBING FIXTURE.
5. DIV 22 CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE GAS SERVICE PROVIDER; PROVIDING ALL INFORMATION NEEDED, COORDINATING ALL DESIGN AND CONSTRUCTION WORK TO COINCIDE WITH THE CONSTRUCTION SCHEDULE AND SHALL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH THIS WORK.
6. PROVIDE NEW NON-FREEZE HOSE BIBB AT THIS APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH OWNER.
7. REPLACE EXISTING NON-FREEZE HOSE BIBB WITH NEW PER SCHEDULE AND RECONNECT TO EXISTING PIPING.
8. ADJUST EXISTING SUPPLY PIPING FOR NEW HI/LOW DRINKING FOUNTAIN.



TRUE NORTH

N

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS
P. ADAM NEMATI
102287
LICENSED
ARCHITECT
05/11/2026

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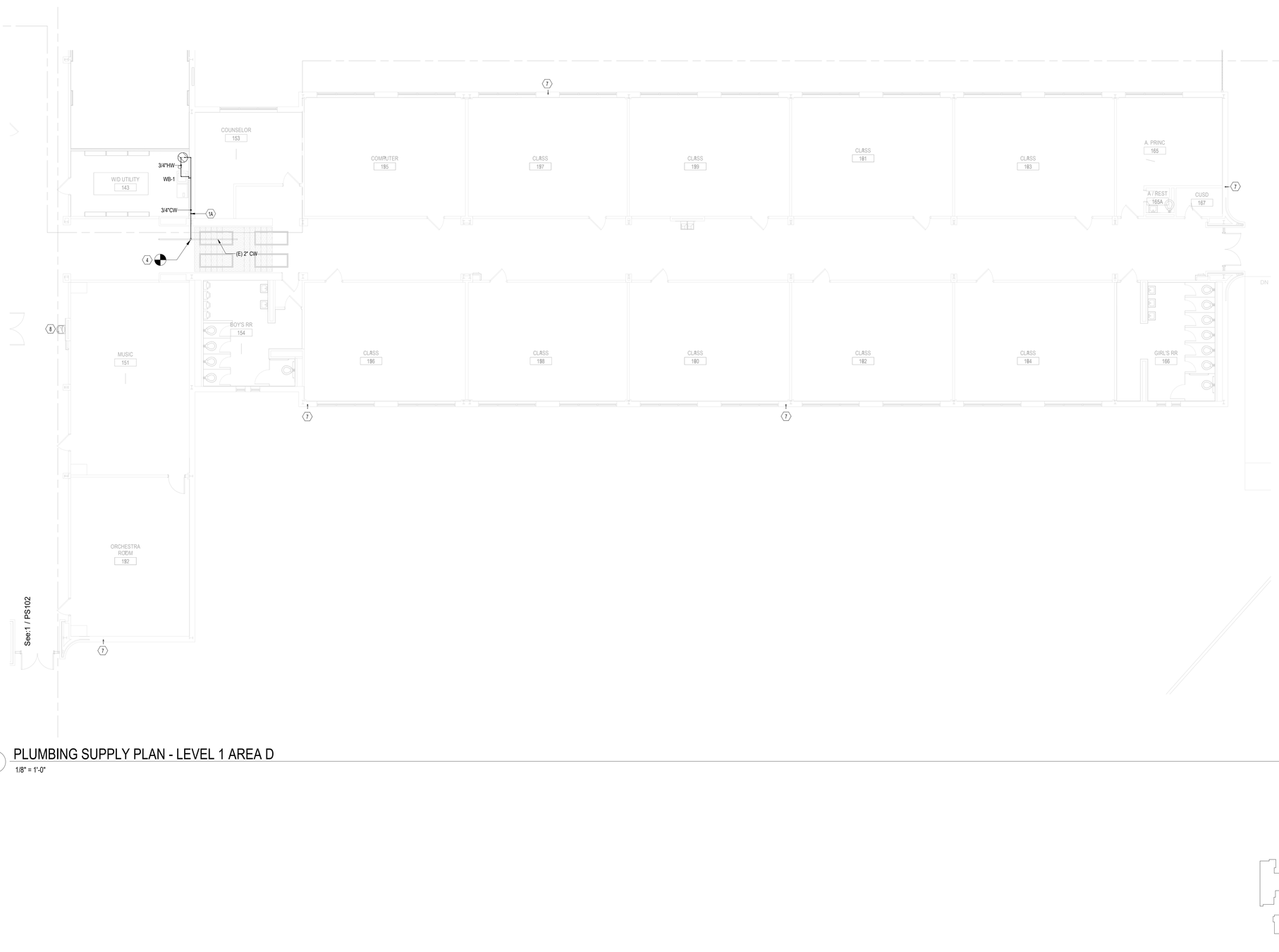
PLUMBING SUPPLY PLAN - LEVEL 1 AREA C

PS103

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 PLUMBING SUPPLY PLAN - LEVEL 1 AREA D

1/8" = 1'-0"

PLAN NOTES

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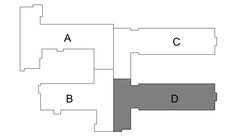

TRUE NORTH

N

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PROJECT CODE
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STATE OF TEXAS — ADAM NEMATI — 102287 — LICENSED PROFESSIONAL ENGINEER — 02/11/2026

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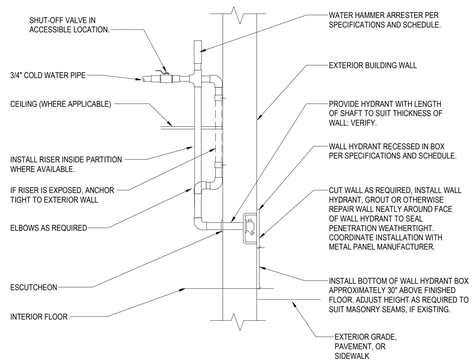
PLUMBING SUPPLY PLAN - LEVEL 1 AREA D

PS104

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

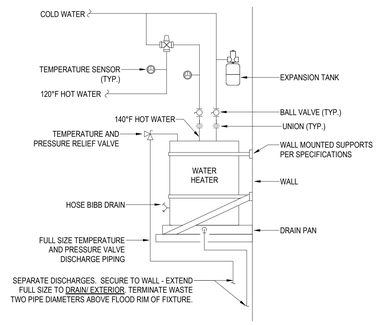
Project Name: ORG. #235 BAES Date:01/16/2026



NOTES:

1. ARRANGEMENT IS SCHEMATIC
2. ADJUST AS REQUIRED TO SUIT FIELD CONDITIONS.
3. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
4. IN NON- FREEZING CLIMATES, PIPE MAY BE INSTALLED CONCEALED IN EXTERIOR WALL RATHER THAN EXTERIOR TO WALL AS SHOWN. REFER TO PLANS FOR LOCATION.

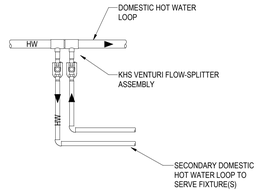
10 NON-FREEZE WALL HYDRANT INSTALLATION
NTS



NOTES:

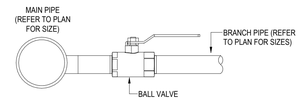
1. PROVIDE WALL MOUNTING BRACKET RATED FOR TOTAL WATER HEATER WEIGHT.
2. REFER TO FLOOR PLANS AND PLUMBING SCHEDULE SHEET FOR ADDITIONAL INFORMATION, CONNECTIONS AND SIZES.
3. REFER TO MANUFACTURER FOR ADDITIONAL REQUIREMENTS.
4. PROVIDE HOT WATER SUPPLY WITH HEAT TRAP FITTINGS.

11 WALL-MOUNTED WATER HEATER (TMV)
NTS



1. PROVIDE ACCESSORIES AS RECOMMENDED BY THE MANUFACTURER

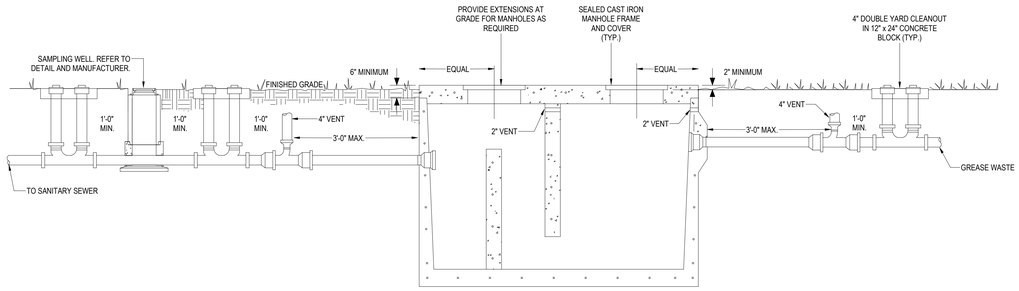
7 VENTURI FLOW-SPLITTER
NTS



NOTES:

1. FURNISH QUARTER TURN BALL VALVES ON ALL DOMESTIC HOT AND COLD WATER BRANCH LINES SERVING FIXTURES.

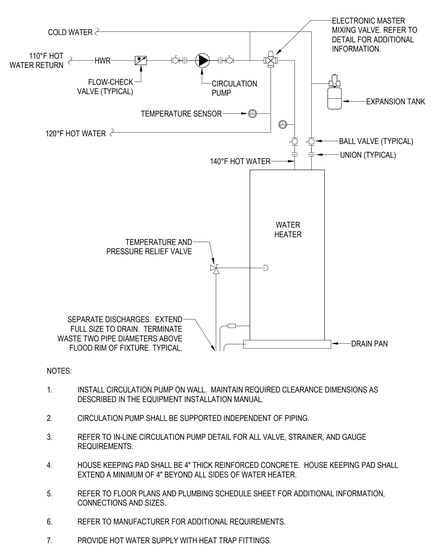
4 BRANCH PIPE CONNECTION
NTS



NOTES:

1. SEE PLANS FOR PIPE SIZES AND INTERCEPTOR LOCATION.
2. PROVIDE AND INSTALL FLOW CONTROL DEVICE AS REQUIRED PER IPC 1003.3.4.2.
3. REFER TO SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS FOR REQUIREMENTS.

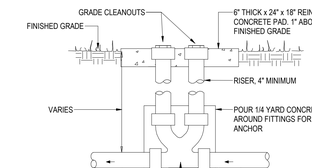
9 GREASE INTERCEPTOR DIAGRAM
NTS



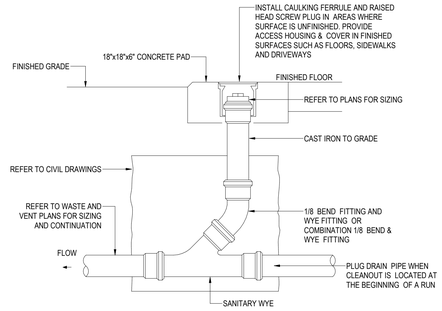
NOTES:

1. INSTALL CIRCULATION PUMP ON WALL. MAINTAIN REQUIRED CLEARANCE DIMENSIONS AS DESCRIBED IN THE EQUIPMENT INSTALLATION MANUAL.
2. CIRCULATION PUMP SHALL BE SUPPORTED INDEPENDENT OF PIPING.
3. REFER TO IN-LINE CIRCULATION PUMP DETAIL FOR ALL VALVE, STRAINER, AND GAUGE REQUIREMENTS.
4. HOUSE KEEPING PAD SHALL BE 4" THICK REINFORCED CONCRETE. HOUSE KEEPING PAD SHALL EXTEND A MINIMUM OF 4" BEYOND ALL SIDES OF WATER HEATER.
5. REFER TO FLOOR PLANS AND PLUMBING SCHEDULE SHEET FOR ADDITIONAL INFORMATION, CONNECTIONS AND SIZES.
6. REFER TO MANUFACTURER FOR ADDITIONAL REQUIREMENTS.
7. PROVIDE HOT WATER SUPPLY WITH HEAT TRAP FITTINGS.

6 WATER HEATER DETAIL (TMV & CP)
NTS



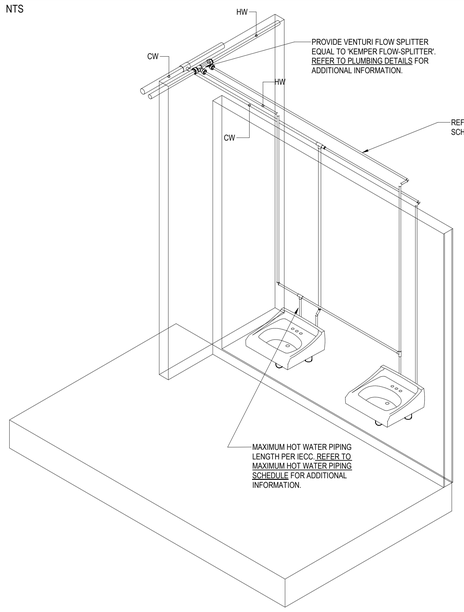
3 DOUBLE YARD CLEANOUT
NTS



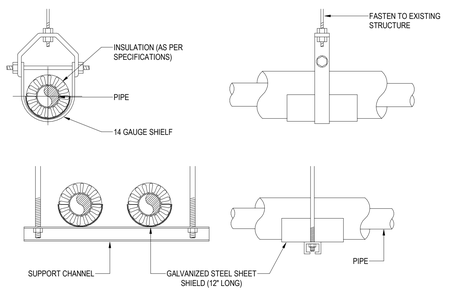
2 FLOOR CLEANOUT
NTS

HOT WATER LOOP SCHEDULE	
LAVATORIES SERVED	HOT WATER LOOP PIPE SIZE
1	1/2"
2-3	3/4"
4-7	1"
8-26	1.25"

1. REFER TO PLANS FOR PIPE SIZES FOR OTHER PLUMBING FIXTURES SERVED.



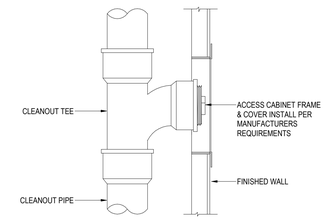
8 PLUMING HOT WATER LENGTHS DETAIL
NTS



NOTES:

1. ATTACH SUPPORTS FOR ALL PIPING SUSPENDED FROM THE STEEL STRUCTURE.
2. VAPOR BARRIER SHALL BE CONTINUOUS AT ALL JOINTS.

5 PIPE HANGER SUPPORT
NTS



1 WALL CLEANOUT
NTS

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31.00430

PLUMBING DETAILS

PZ501

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

Project Name: ORG. #235 BAES Date:01/16/2026

SEPARATOR SCHEDULE

SEPARATOR	TOTAL CAPACITY (GAL)	GREASE CAPACITY (LBS)	LENGTH (FEET)	WIDTH (FEET)	HEIGHT (FT)	INLET (IN)	OUTLET (IN)	MANUFACTURER	MODEL
GT-1	2500	4600	13	7	7	4	4.00	PARK	GT-2500

NOTES:

1. PROVIDE ELECTRONIC MONITORING SYSTEM.
2. FURNISH AND INSTALL PARK MODEL SWB-154 SAMPLE WELL DIRECTLY DOWNSTREAM OF SEPARATOR.
3. ALL ACCESS PORTS/MANHOLES SHALL HAVE H-20 TRAFFIC RATED COVERS.

HOT WATER MAXIMUM PIPING LENGTHS

MARK	FIXTURE	HW / TW PIPE SIZE (IN)	MAXIMUM HOT WATER LENGTH FROM HEATING SOURCE (FT)
L-1	LAVATORY	1/2	2
MS-1	MOP SINK	3/4	21
S-1	SINK	1/2	43
SH-1	SHOWER	1/2	43
WB-1	WASHING MACHINE BOX	1/2	43
*	EXTRACTOR	1/2	43

NOTES:

1. REFER TO 2015 INTERNATIONAL ENERGY CONSERVATION CODE TABLE C404.5.1 FOR MORE INFORMATION. SYSTEM SHALL COMPLY.
2. HEATING SOURCE REFERS TO CIRCULATING HOT WATER LOOP, TANK WATER HEATER OR INSTANTANEOUS WATER HEATER.

WATER HAMMER ARRESTOR

FIXTURE	#100	#200	#300	#400	#500
PDI UNITS	A	B	C	D	E
FIXTURE UNITS	1 - 11	12 - 32	33 - 60	61 - 113	114 - 154

NOTES:

1. WATER HAMMER ARRESTORS SHALL BE FURNISHED AND INSTALLED WHERE QUICK-CLOSING VALVES ARE UTILIZED. WATER HAMMER ARRESTORS SHALL CONFORM TO ASSE 1010.
2. FLUSH-VALVE WATER CLOSETS = 10 FIXTURE UNITS.
3. FLUSH-VALVE URINAL = 5 FIXTURE UNITS.
4. LOCATE WATER HAMMER ARRESTOR BETWEEN LAST TWO FLUSH-VALVE FIXTURES.
5. WATER HAMMER ARRESTORS SHALL COMPLY WITH PDI-WH-201.
6. WATER HAMMER ARRESTORS SHALL BE PROVIDED WITH AN ACCESS DOOR UNLESS PROVIDED WITH A LIFETIME WARRANTY.

GAS LOAD

EQUIPMENT	GAS LOAD (MBH)	PIPE CONNECTION SIZE
DOAS-1	300	3/4"
EX-WH-1	199	3/4"
STEAMER	120	3/4" (2)
CONVECTION OVEN	120	3/4" (2)
TILT BRAISING PAN	105	3/4"
TOTAL	844	

GENERAL PLUMBING SCHEDULE

MARK	LOCATION	MAX GPM/GPF	CW	HW/TW	WASTE	VENT	DESCRIPTION
CP-1	CLOSE COUPLED IN-LINE HOT WATER CIRCULATION PUMP	-	-	-	-	-	ARMSTRONG MODEL 20-20SS VARIABLE SPEED CIRCULATOR. 0' TO 20' HEAD RANGE, MINIMUM 5 WATTS, MAXIMUM 45 WATTS, 120/1. PROVIDE WITH MANUAL STARTER, AQUASTAT, AND TIMER SWITCH. REFER TO SPECIFICATIONS. SET PUMP TO MAINTAIN 120°F RETURN WATER TEMPERATURE.
DYCO	DOUBLE YARD CLEANOUT	-	-	-	*	-	JOSAM MODEL 58680 CAST IRON DOUBLE YARD CLEANOUT. PROVIDE "T" HANDLE WRENCH.
EWC-1	ELECTRIC WATER COOLER (BI-LEVEL WITH BOTTLE FILLER)	-	1/2"	-	2"	1-1/2"	HALSEY TAYLOR MODEL HTHSI-HAC8BLPV-WF WALL MOUNTED BI-LEVEL FILTERED WATER COOLER WITH BOTTLE FILLER. PROVIDE WITH: HTOVLAPR CANE APRON. WHERE NEEDED, VERIFT WITH ARCHITECT. WATER SENTRY FRESH 6000 CTO FILTER. CARRIER. MOUNT AS DIRECTED BY ARCHITECT.
FCO	FLOOR CLEANOUT	-	-	-	*		JOSAM MODEL 55000 CAST IRON FLOOR CLEANOUT.
FD-1	FLOOR DRAIN (SQUARE STRAINER TILE FLOORS)	-	-	-	*	2"	WATTS MODEL FD-100-B, 5" NICKEL BRONZE STRAINER. EQUIP WITH TRAP PROTECTION DEVICE.
FS-1	FLOOR SINK (ROUND STRAINER)	-	-	-	*	2"	WATTS MODEL FS-720, 8"Ø, 6" DEEP WITH WHITE FINISH, 1/2 CAST IRON GRATE, AND ALUMINUM DOME STRAINER.
FS-2	FLOOR SINK (SQUARE STRAINER)	-	-	-	-	2"	WATTS MODEL FS-750-1. 12" , CAST IRON GRATE, AND ALUMINUM DOME STRAINER.
HB-1	HOSE BIBB (BALL VALVE)	-	3/4"	-	-	-	AMERICAN VALVE MODEL M74DTSS STAINLESS STEEL HOSE BIBB WITH FIELD INSTALLED VACUUM BREAKER. INSTALL 6" OFF FACE OF WALL.
HD-1	HUB DRAIN	-	-	-	2"	2"	JAY R. SMITH MODEL 9654 HUB DRAIN. EQUIP WITH TRAP PROTECTION DEVICE.
IMB-1	REFRIGERATOR ICE MAKER BOX	-	1/2"	-	-	-	IPS MODEL AB9700 REFRIGERATOR ICE MAKER OUTLET BOX WITH QUARTER TURN BALL VALVE AND HAMMER ARRESTOR. BOX SHALL BE COMPLETELY RECESSED WITHOUT FLANGES.
L-1	LAVATORY WALL MOUNT (TAS)	0.5	1/2"	1/2"	2"	2"	KOHLER K-1997-4 WALL-HUNG LAVATORY. 4" CENTERSET. EQUIP WITH: MOEN MODEL 8210 FAUCET, 0.5 GPM AERATOR, MODEL LFUSG-B ASSE 1070 THERMOSTATIC MIXING VALVE.
MS-1	MOP SINK	2.2	3/4"	3/4"	3"	2"	FIAT TERRAZZO MOP BASIN MODEL SBO424 FLOOR SET, SQUARE/RECTANGULAR MOP SINK WITH 4" STAINLESS STEEL CURBS, HOSE & HOSE BRACKET, MOP HANGER, AND STAINLESS STEEL WALL GUARDS FOR ADJACENT WALLS. EQUIP WITH: MOEN 8230 MANUALLY-OPERATED FAUCET.
NFWH-1	NON-FREEZE WALL HYDRANT	-	3/4"	-	-	-	WOODFORD MODEL B65 NON-FREEZE KEY OPERATED WALL HYDRANT WITH CHROME PLATED FACE AND VACUUM BREAKER. BOX/DOOR ASSEMBLY STBXF.
S-1	LAY-IN SINK	-	1/2"	1/2"	2"	1-1/2"	ELKAY MODEL CR2521. EQUIP WITH: EKLAY MODEL LKD2423BHC AND WATTS MODEL LFUSG-B ASSE 1070 THERMOSTATIC MIXING VALVE.
TMV-1	THERMOSTATIC MASTER MIXING VALVE	49	-	-	-	-	ARMSTRONG MODEL 320R WITH INTEGRAL THERMOMETER, INTEGRAL CHECK VALVES, STRAINERS, AND INTEGRAL THERMOSTATIC RETURN LIMITER. PROVIDE ACCESSORIES AS SHOWN ON MANUFACTURERS INSTALLATION GUIDE.
WB-1	WASHING MACHINE BOX	-	1/2"	1/2"	2"	2"	IPS MODEL WI4700 WASHING MACHINE BOX WITH QUARTER TURN BALL VALVES AND HAMMER ARRESTORS. BOX SHALL BE COMPLETELY RECESSED WITHOUT FLANGES.
WC-1	WATER CLOSET WALL MOUNT, FLUSH VALVE (TAS)	1.6 / 1.1	1"	-	4"	2"	SLOAN MODEL ST-2459-STG WALL HUNG, TAS ACCESSIBLE WATER CLOSET WITH DUAL FLUSH SLOAN WES 111 MANUAL FLUSH VALVE, WITH CHROME HANDLE. MOUNTING HEIGHT AS DIRECTED BY ARCHITECT. MANUAL DUAL-FLUSH FLUSH-O-METER ALLOWING TWO LEVELS OF WATER USAGE. URETHANE GASKET REQUIRED.
WCO	WALL CLEANOUT	-	-	-	*	-	JOSAM MODEL 58600-CO CAST IRON WALL CLEANOUT.

GENERAL PLUMBING FIXTURE NOTES:

1. THE SCHEDULE ABOVE IS INFORMATIONAL AND IS IN NO WAY INTENDED TO SPECIFY ALL NECESSARY APPURTENANCES FOR THE FIXTURES LISTED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE COMPLETE AND OPERATING PLUMBING SYSTEMS.
2. PROVIDE AND INSTALL STOPS AT ALL FIXTURES.
3. REFER TO NOTE BY SYMBOLS ON DRAWINGS FOR HW/TW CONNECTION TYPE.
4. PROVIDE AND INSTALL WALL CLEANOUTS WHERE REQUIRED BY THE IPC.
5. COORDINATE FIXTURE COLORS AND FIXTURE FINISHES WITH ARCHITECT PRIOR TO ORDERING.
6. FLUSH VALVE LEVERS SHALL BE INSTALLED ON WIDE SIDE OF STALL.
7. WHERE REQUIRED, PLUMBING FIXTURES SHALL BE INSTALLED AT A HEIGHT THAT IS CONSISTENT WITH TAS REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF ALL WALL HUNG FIXTURES.
8. * FIXTURE SHALL MATCH PIPE SIZE ON PLAN/RISER.
9. UNLESS NOTED OTHERWISE, ALL FLOOR DRAINS, AND FLOOR SINKS SHALL BE EQUIPPED WITH TRAP PROTECTION DEVICES BY PROSET SYSTEMS, TRAP PROTECTION DEVICES SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS.
10. INSTALL ALL CONDENSATE DRAIN PIPE TO FLOOR DRAINS/SINKS SO THAT THERE IS NO RUNOUT OF WATER TO ADJACENT FLOORS. IN MECHANICAL TYPE SPACES, INSTALL FLOOR DRAINS TO WHICH CONDENASTE WILL DRAIN APPROXIMATELY 1/4" BELOW ADJACENT FLOOR LEVEL TO PREVENT RUNOFF.
11. COORDINATE FLOOR DRAIN COVERS AT TILE AND THICK FLOOR MATERIALS FOR FLUSH INSTALLATION. USE SQUARE DRAIN COVERS AT CERAMIC TILE.
12. LOCATE WATER CONNECTIONS TO EQUIPMENT WHERE THEY WILL BE LEAST VISUALLY OBSTRUCTIVE AND WILL NOT REQUIRE SUPPLY LINES TO EQUIPMENT IN LOCATIONS THAT WILL BE VISIBLE IN THE COMPLETED WORK. CONTRACTOR SHALL ENSURE OUTLET SUPPLY BOXES ARE AS CONCEALED AS POSSIBLE.
13. COORDINATE HOLE DRILLING CLOSELY WITH ARCHITECT.
14. CONTROLS FOR CIRCULATING HOT WATER SYSTEM PUMPS SHALL START THE PUMP BASED ON THE IDENTIFICATION OF A DEMAND FOR HOT WATER WITHIN THE OCCUPANCY. THE CONTROLS SHALL AUTOMATICALLY TURN OFF THE PUMP WHEN THE WATER IN THE CIRCULATION LOOP IS AT A DESIRED TEMPERATURE AND WHEN THERE IS NO DEMAND FOR HOT WATER.
15. PITCH ALL DRAINAGE PIPING AT A MINIMUM OF 1/4" PER FOOT FOR 3" AND SMALLER AND 1/8" PER FOOT FOR 4" AND LARGER, UNLESS NOTED OTHERWISE.
16. FOR ALL REDUCED PRESSURE BACKFLOW PREVENTERS, FURNISH DRAIN LINE WITH INTEGRAL AIR GAP, FULL SIZE OF DRAIN OPENING IN BACKFLOW PREVENTER, TO NEAREST FLOOR DRAIN OR FLOOR SINK, OR AS NOTED ON DRAWINGS.

STORAGE TYPE ELECTRIC WATER HEATER SCHEDULE

MARK	LOCATION	STORAGE CAPACITY (GAL)	TEMPERATURE RISE (8F)	RECOVERY @ 808F	ELECTRICAL DATA			MANUFACTURER	MODEL
					VOLTAGE	PHASE	KW		
WH-1	W/D UTILITY 112	15	80	10	208.00	1	2	AO SMITH	DEL-15

NOTES:

1. PROVIDE SHUT OFF VALVES ON HOT AND COLD WATER CONNECTIONS.
2. SET HEATER TO DELIVER WATER AT 140°F.
3. FURNISH AND INSTALL WATTS MODEL PLT-20[WH-1, PLT-5] EXPANSION TANK.
4. CONTROLS CONTRACTOR SHALL PROVIDE ENABLE/DISABLE BMS CONTROLS FOR WATER HEATERS.
5. WATER HEATER SHALL BE FLOOR/WALL MOUNTED.

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth,Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS — P. ADAM NEMATI — 102267 — LICENSED PROFESSIONAL ENGINEER — 01/16/2026

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Written dimensions on these drawings shall have precedence over scale dimensions. Contractors shall be responsible for all dimensions and conditions on the job. HarrisonKornberg Architects, LLC must be notified of any variation from the dimension and conditions shown by these drawings.

ISSUES & REVISIONS

No.	Date	Revision
1	02/22/2026	IFP

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

PLUMBING SCHEDULES

PZ601

SCALE:

Project Name: ORG. #235 BAES Date:01/16/2026

DEMOLITION GENERAL NOTES

1. COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE BEGINNING SELECTIVE DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
2. MAINTAIN FIRE-PROTECTION FACILITIES IN SERVICE DURING SELECTIVE DEMOLITION OPERATIONS.
3. REMOVE, REPLACE, PATCH, AND REPAIR MATERIALS AND SURFACES CUT OR DAMAGED DURING SELECTIVE DEMOLITION, BY METHODS AND WITH MATERIALS SO AS NOT TO VOID EXISTING WARRANTIES.
4. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED BEFORE PROCEEDING TO DEMOLITION.
5. MAINTAIN SYSTEMS TO REMAIN AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
6. LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS SERVING AREAS TO BE SELECTIVELY DEMOLISHED.
7. IF SERVICES/SYSTEMS ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANDONED, BEFORE PROCEEDING WITH SELECTIVE DEMOLITION PROVIDE TEMPORARY SERVICES/SYSTEMS THAT BYPASS AREA OF SELECTIVE DEMOLITION AND THAT MAINTAIN CONTINUITY OF SERVICES/SYSTEMS TO OTHER PARTS OF BUILDING.
8. REMOVE AIR-CONDITIONING EQUIPMENT WITHOUT RELEASING REFRIGERANTS.
9. ANY WORK INVOLVING A SERVICE SUSPENSION SHALL BE SCHEDULED IN ADVANCE WITH THE OWNER. OBTAIN WRITTEN APPROVAL FROM THE OWNER WHEN INTERRUPTION OF SERVICES IS UNAVOIDABLE.
10. PERFORM NO WORK IN ANY BUILDING WHICH WOULD INTERFERE WITH ITS USE DURING NORMAL HOURS OF OCCUPANCY, UNLESS SPECIAL PERMISSION IS GRANTED BY THE OWNER. INCLUDED ARE OPERATIONS WHICH WOULD CAUSE OBJECTIONABLE NOISE OR SERVICE INTERRUPTIONS.
11. DO NOT CUT ANY STRUCTURAL MEMBER UNLESS SPECIFIC WRITTEN PERMISSION IS PROVIDED BY THE ARCHITECTURAL AND STRUCTURAL ENGINEER.
12. WHERE OPENINGS ARE CUT IN FIRE-RATED WALLS OR FLOORS, SEAL THE ANNULAR SPACE BETWEEN THE WORK INSTALLED AND THE FIRE-RATED CONSTRUCTION. SEALANT, AS APPLIED, SHALL BE FIRE-RATED TO MAINTAIN THE FIRE RATING OF THE CONSTRUCTION PENETRATED, AND SHALL BE APPROVED BY THE ARCHITECT.

ABBREVIATIONS

A/C	AIR CONDITIONING
ACH	AIR CHANGE PER HOUR
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFMS	AIR FLOW MEASURING STATION
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AHU	AIR HANDLING UNIT
AHJ	AUTHORITY HAVING JURISDICTION
APD	AIR PRESSURE DROP
AS	AIR SEPARATOR
BAS	BUILDING MANAGEMENT SYSTEM
BD	BALANCING DAMPER
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
CAV	CONSTANT AIR VOLUME
CFM	CUBIC FEET PER MINUTE
CHWP	CHILLED WATER PUMP
CLG	CEILING
CO	CLEAN OUT
CD	CONDENSATE DRAIN
CP	CONDENSATE PUMP
CRAC	COMPUTER ROOM A/C UNIT
CT	COOLING TOWER
CU	CONDENSING UNIT
CV	CONSTANT VOLUME/ CONTROL VALVE
(D)	DEMO
dB	DECIBELS
DDC	DIRECT DIGITAL CONTROL
DEG	DEGREES
DN	DOWN
DX	DIRECT EXPANSION
(E)	EXISTING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FPI	FINS PER INCH
FSD	FIRE-SMOKE DAMPER
G	GAS
GPM	GALLONS PER MINUTE
GV	GRAVITY VENTILATOR
HD	HEAD
HP	HORSEPOWER
HPS	HIGH PRESSURE STEAM
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HWP	HYDRONIC HEATING WATER PUMP
HX	HEAT EXCHANGER
KW	KILOWATT
KWH	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LPS	LOW PRESSURE STEAM
MBH	THOUSAND BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MFG	MANUFACTURER
MOCP	MAXIMUM OVERCURRENT PROTECTION
(N)	NEW
N/A	NOT APPLICABLE
NC	NOISE CRITERIA
NIC	NOT IN CONSTRACT
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
PD	PRESSURE DROP
PH	PHASE (ELECTRICAL)
PLBG	PLUMBING
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
RA	RETURN AIR
RH	RELATIVE HUMIDITY
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
SD	SMOKE DAMPER
SF	SUPPLY FAN
SP	STATIC PRESSURE
T	THERMOSTAT/ THERMOMETER
TYP	TYPICAL
UH	UNIT HEATER
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
WB	WET BULB
W.G.	WATER GAUGE
W.P.D.	WATER PRESSURE DROP
WSHP	WATER-SOURCE HEAT PUMP
WT	WEIGHT

MECHANICAL GENERAL NOTES

1. ALL DUCTWORK DIMENSIONS SHOWN REPRESENT INSIDE CLEAR DIMENSIONS.
2. THE MECHANICAL LAYOUT SHOWN ON THIS DRAWING IS FOR GENERAL ARRANGEMENT ONLY. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE CONDITIONS AT THE JOB SITE AND ALL THE OTHER TRADES INVOLVED.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL THE NECESSARY PIPING, FITTINGS, VALVES, HARDWARE, SUPPORTS AND ACCESSORIES REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF THE NEW MECHANICAL SYSTEM(S).
4. DO NOT SCALE LOCATIONS OR PARTITIONS FROM THIS DRAWING. THE CONTRACTOR SHALL REFER TO THE MANUFACTURER'S CUT-SHEETS, ROUGHING-IN DIMENSIONS, DETAILS, SPECIFICATIONS AND ALL OTHER INFORMATION RELATED TO THIS PROJECT, AS REQUIRED.
5. THE CONTRACTOR SHALL COORDINATE ALL THE FLOOR AND PARTITION PENETRATIONS WITH THE FIELD CONDITIONS AND STRUCTURAL DESIGN BEFORE DRILLING OR CORE-BORING.
6. THE CONTRACTOR SHALL SEAL ALL PENETRATIONS WITH A CODE APPROVED FIRE RATED MATERIAL AS REQUIRED TO MAINTAIN THE FIRE SEPARATION BETWEEN FLOORS/ROOF REQUIRED BY THE ARCHITECTURAL DRAWINGS. REFER TO THE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND FIRE BARRIER LOCATIONS.
7. THE CONTRACTOR SHALL SUBMIT MANUFACTURER'S SPECIFICATIONS AND CUT-SHEETS FOR ALL THE EQUIPMENT, FITTINGS AND COMPONENTS AS REQUIRED FOR FINAL APPROVAL BY THE ENGINEER BEFORE PURCHASING OR INSTALLING THEM. REFER TO SPECIFICATIONS FOR MORE COMPLETE INFORMATION ABOUT THE EQUIPMENT SCHEDULED.
8. THE CONTRACTOR SHALL TEST ALL NEW PIPING AND NEW EQUIPMENT FOR PROPER OPERATION AND SHALL MAKE ALL NECESSARY REPAIRS AS REQUIRED TO PROVIDE A COMPLETE WORKING SYSTEM.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL THE AREAS AFFECTED BY THE WORK REQUIRED IN THESE DRAWINGS TO THEIR ORIGINAL CONDITION AS REQUIRED BY THE OWNER/ARCHITECT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE JOB-SITE AS REQUIRED BY THIS CONTRACT IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING, PERMITTING, AND CONDUCTING ALL THE INSPECTIONS AND TESTS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION. CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE OF COMMISSIONING INSPECTION TO THE ENGINEER.
12. ALL WORK AND INSTALLATION SHALL BE DONE BY A LICENSED CONTRACTOR WITH EXPERIENCE IN THE WORK REQUIRED FOR THIS PROJECT.
13. ALL WORK SHALL COMPLY WITH THE 2021 INTERNATIONAL BUILDING CODE (2021 IBC), 2021 INTERNATIONAL MECHANICAL CODE (2021 IMC), 2021 INTERNATIONAL PLUMBING CODE (2021 IPC), 2021 INTERNATIONAL FUEL GAS CODE (2021 IFGC), 2021 INTERNATIONAL ENERGY CONSERVATION CODE (2021 IECC), AND THE NATIONAL FIRE PROTECTION ASSOCIATION AND ALL OTHER CODES AND STANDARDS AS MAY BE APPLICABLE WITHIN THE CITY OF DALLAS.
14. ALL EQUIPMENT SHALL BE SUPPORTED FROM STRUCTURAL MEMBERS. NO WEIGHT CAN BE PLACED ON THE ROOFING MATERIALS OR INSULATION.
15. ALL PIPING, CLAMPS, SUPPORTS, ETC. SHALL BE FASTENED TO JOISTS OR BEAMS. DO NOT ATTACH ANYTHING DIRECTLY TO THE DECK, CEILING SUPPORT SYSTEM, PIPING, CONDUIT OR DUCTWORK ABOVE.
16. CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ENGINEER ANY CODE ISSUES NOT ALREADY ADDRESSED.
17. THESE DRAWINGS DO NOT INDICATE OR SHOW ALL EXISTING PIPING, EQUIPMENT, DUCTWORK, ETC. THESE DRAWINGS ARE NOT A SUBSTITUTE FOR FIELD VERIFICATION.
18. ALL NEW ROOF PENETRATIONS SHALL BE PER THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
19. ALL NEW EQUIPMENT SUPPORTS SHALL BE INSTALLED PER THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
20. ALL NEW CURB CAPS SHALL BE INSTALLED PER THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
21. ALL ROOF MOUNTED EQUIPMENT LOCATIONS SHALL BE VERIFIED AND APPROVED BY A TEXAS REGISTERED STRUCTURAL ENGINEER.
22. DUCTWORK SHOP DRAWINGS SHALL BE PROVIDED TO, REVIEWED BY, AND APPROVED BY THE ENGINEER PRIOR TO ANY DUCTWORK FABRICATION AND OR INSTALLATION. DUCTWORK SHOP DRAWINGS SHALL INDICATE THE ACTUAL SIZE OF EACH SECTION OF DUCT AND ALL REQUIRED FITTINGS AND TRANSITIONS.
23. CONTRACTOR SHALL PROVIDE UL LISTED FIRE DAMPERS AT ALL FIRE WALL PENETRATIONS. REFER TO ARCHITECTURAL FOR FIRE WALL RATING. REFER TO MECHANICAL FLOOR PLANS FOR DAMPER SIZING.
24. PROVIDE DUCTWORK TRANSITIONS AS REQUIRED FOR ALL AIR DEVICE AND EQUIPMENT CONNECTIONS.
25. REMOVE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF-SITE, UNLESS INDICATED TO BE REMOVED AND SALVAGED OR REMOVED AND REINSTALLED.
26. REMOVE AND SALVAGE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND DELIVER THEM TO OWNER OR OWNER'S REPRESENTATIVE READY FOR REUSE.
27. REMOVE AND REINSTALL: DETACH ITEMS FROM EXISTING CONSTRUCTION, PREPARE THEM FOR REUSE, AND REINSTALL THEM WHERE INDICATED.
28. EXISTING TO REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE REMOVED AND THAT ARE NOT OTHERWISE INDICATED TO BE REMOVED, REMOVED AND SALVAGED, OR REMOVED AND REINSTALLED.
29. CONTRACTOR SHALL BID EQUIPMENT IN SCHEDULE AS BASIS OF DESIGN. ALTERNATE EQUIPMENT BY ACCEPTABLE MANUFACTURERS MEETING PERFORMANCE REQUIREMENTS MAY BE REVIEWED BY DESIGN TEAM AND OWNER RESULTING IN A CREDIT IF USED.

HVAC LEGEND

14x12 SA	RECTANGULAR DUCT -FIRST NUMBER INDICATES SIZE ON PLAN VIEW -SECOND NUMBER INDICATES SIZE NOT SHOWN	14x12 SA	RECTANGULAR DUCT INTERNALLY LINED
14ø SA	ROUND DUCT	14ø SA	ROUND DUCT - INTERNALLY LINED
14/12 SA	OVAL DUCT -FIRST NUMBER INDICATES SIZE ON PLAN VIEW -SECOND NUMBER INDICATES SIZE NOT SHOWN	14/12 SA	OVAL DUCT - INTERNALLY LINED
	DUCTWORK ELBOW		DUCTWORK BRANCH TAKE-OFF
	DUCTWORK TRANSITION		FLEXIBLE DUCTWORK
	DEMOLITION HATCH		CONNECT TO EXISTING
	SUPPLY/OUTSIDE AIR DUCTWORK UP		SUPPLY/OUTSIDE AIR DUCTWORK UP
	RETURN AIR DUCTWORK UP		RETURN AIR DUCTWORK DOWN
	EXHAUST AIR DUCTWORK UP		EXHAUST AIR DUCTWORK DOWN

HVAC SYMBOLS

AIR DEVICES

- SUPPLY AIR DEVICE
- RETURN AIR DEVICE
- EXHAUST AIR DEVICE

EQUIPMENT

- ROOF MOUNTED EXHAUST FAN
- CEILING MOUNTED EXHAUST FAN
- FAN COIL UNIT (FCU)
- CONDENSING UNIT (CU)

ACCESSORIES

- BALANCE DAMPER
- FIRE DAMPER (F)
- FIRE/SMOKE DAMPER (FSD)
- THERMOSTAT -INSTALL 48" ABOVE FINISH FLOOR (T)
- THERMOSTAT SENSOR -INSTALL 48" ABOVE FINISH FLOOR (S)
- HUMIDISTAT -INSTALL 48" ABOVE FINISH FLOOR (H)
- CARBON MONOXIDE SENSOR (CO) -INSTALL 48" ABOVE FINISH FLOOR (C)
- NITROGEN DIOXIDE SENSOR (NO2) -INSTALL 48" ABOVE FINISH FLOOR (N)

SYMBOLS

- MARK S1 400 CFM (TYP) — DIFFUSER/GRILLE TAG (TYPICAL)
- 1 / MX.XX — DETAIL NUMBER — DETAIL CALL-OUT (SHEET NUMBER)
- X / MX.XX — PLAN NUMBER — ENLARGED PLAN CALL-OUT (SHEET NUMBER)
- X / MX.XX — ELEVATION NUMBER — ELEVATION CALL-OUT (SHEET NUMBER)

PIPING

CHS	CHILLED WATER SUPPLY PIPING (CHS)	HWS	HEATING WATER SUPPLY (HWS)
CHR	CHILLED WATER RETURN PIPING (CHR)	HWR	HEATING WATER RETURN (HWR)
CWS	CONDENSER WATER SUPPLY (CWS)	RP	REFRIGERANT PIPING (RP)
CWR	CONDENSER WATER RETURN (CWR)	SP	STEAM PIPING (SP)
CD	CONDENSATE DRAIN (CD)	SC	STEAM CONDENSATE PIPING (SC)
	PIPE UP		PIPE DOWN

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS — P. ADAM NEMATI — 102287 — LICENSED PROFESSIONAL ENGINEER — 02/11/2026

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ISSUES & REVISIONS

No.	Date	Revision
1	02/22/2026	IFP

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

MECHANICAL GENERAL NOTES AND LEGENDS

M-001

SCALE: 12" = 1'-0"

Project Name: ORG. #235 BAES Date:01/16/2026

1 MECHANICAL DEMO PLAN - LEVEL 1

1/16" = 1'-0"

PLAN NOTES

A. CONTRACTOR TO FIELD VERIFY ALL EXISTING DUCTWORK, MECHANICAL EQUIPMENT, PIPING, AND THEIR APPURTENANCES PRIOR TO DEMOLITION.

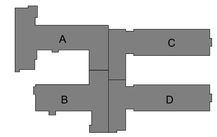
B. DEMOLISH ALL PREVIOUSLY ABANDONED PIPING, DUCTWORK, MECHANICAL EQUIPMENT, AND THEIR APPURTENANCES IN AREAS OF WORK THAT ARE READILY ACCESSIBLE.

C. DEMOLISH EXISTING AIR DEVICES, DUCTWORK, AND ALL ASSOCIATED APPURTENANCES IN SPACES WHERE ARCHITECTURAL CEILING IS TO BE REPLACED.

D. DEMOLISH EXISTING THERMOSTATS ON DEMOLISHED WALLS, NEW THERMOSTAT TO BE PROVIDED.

NOTES BY SYMBOL

1. DEMOLISH ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AIR DEVICES, AND THEIR APPURTENANCES WITHIN REGION.
2. DEMOLISH EXISTING ROOFTOP HVAC UNIT AND PREPARE EXISTING CURB FOR NEW HVAC UNIT IN EXISTING LOCATION TO CONNECT TO EXISTING DUCTWORK SYSTEM(S).
3. EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AIR DEVICES, AND ANY ASSOCIATED APPURTENANCES TO REMAIN.
4. DEMOLISH EXISTING HYDRONIC WALL HEATERS AND ASSOCIATED PIPING, CONTROLS AND THEIR APPURTENANCES.



TRUE NORTH

N

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Engineering Firm : F-4050
Dallas/Fort Worth, Texas
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972-870-9060

PROJECT CODE
31.00430

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
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f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS
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LICENSED
ARCHITECT
02/11/2026

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T: 972-245-5300

MECHANICAL DEMO PLAN - LEVEL 1

MD101

SCALE: As indicated

Project Name: ORG. #235 BAES Date:01/16/2026

PLAN NOTES

A. PROVIDE ACOUSTICAL SEALANT AT ALL STC RATED WALL PENETRATIONS TO MITIGATE SOUND MIGRATION. REFER TO ARCHITECTURAL FOR LOCATION OF ALL STC RATED WALLS.

B. COORDINATE FINAL LOCATION OF ALL TEMPERATURE SENSORS, HUMIDISTATS, THERMOSTATS, AND CO2 SENSORS WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.

C. PROVIDE MANUAL VOLUME BALANCE DAMPERS FOR ALL SUPPLY, RETURN, AND EXHAUST GRILLE/DIFFUSER BRANCHES. UNLESS NOTED OTHERWISE.

D. ALL MITERED ELBOWS SHALL HAVE TURNING VANES.

E. PROVIDE CONCEALED DAMPER REGULATOR FOR ALL SUPPLY, RETURN, AND EXHAUST GRILLES/DIFFUSERS LOCATED IN AREAS PIPING MAINS TO ALLOW FOR REQUIRED MAINTENANCE ACCESS.

F. PROVIDE INTERNALLY LINED DUCTWORK FOR ALL EXPOSED DUCTWORK IN FINISHED OCCUPIED SPACES AND IN AREAS WITH PARTIAL CEILINGS. PAINT EXPOSED DUCTWORK AS SPECIFIED BY ARCHITECT.

G. PROVIDE ACCESS PANELS IN ALL INACCESSIBLE CEILINGS FOR HVAC EQUIPMENT.

H. COORDINATE DIFFUSER/GRILLE/EXHAUST FAN LOCATION WITH FINAL ARCHITECTURAL REFLECTED CEILING PLAN.

I. PROVIDE LONG RADIUS ELBOWS EVERYWHERE POSSIBLE. OTHERWISE, PROVIDE TURNING VANES IN ALL ELBOWS PER SMACNA STANDARDS.

J. PROVIDE LABELING ON ALL CEILINGS AND WALLS, INDICATING ANY DEVICES AND LOCATIONS REQUIRE SERVICE OR ACCESS ABOVE CEILINGS OR BEHIND WALLS - TERMINAL UNITS, MANUAL VOLUME BALANCE DAMPERS, FIRE/SMOKE DAMPERS, ETC.

K. COORDINATE ALL ABOVE CEILING INSTALLATIONS CLOSELY WITH PLUMBING, FIRE PROTECTION, FIRE ALARM, AND ELECTRICAL SUB-CONTRACTORS.

L. FOR DUCT RUNOUTS TO DIFFUSERS, SIZE ACCORDING TO NECK/INLET SIZE, UNLESS NOTED OTHERWISE.

M. REFER TO HVAC EQUIPMENT MANUFACTURER FOR EXACT REFRIGERANT LINE SET SIZING.

N. ABOVE FINISH FLOOR HEIGHTS REFER TO BOTTOM OF EQUIPMENT/DEVICE ETC.ULATION SHALL BE CONTINUOUS THROUGH WALLS/FLOORS ETC TO PREVENT CONDENSATION.

O. DIFFUSER SHALL BE COMPLETELY INSULATED TO PREVENT CONDENSATION.

P. REFER TO VAV BOX SCHEDULE FOR INLET SIZE.

Q. COVER ALL RETURN AIR DUCTWORK OPENINGS WITH 1/4" GALVANIZED STEEL MESH (INCLUDING ALL TRANSFER OPENINGS).

R. PROVIDE RETURN AIR PATHWAYS FOR ALL TO DECK CONDITIONS.

S. ALL EQUIPMENT SHALL BE INSTALLED WITH MANUFACTURER RECOMMENDED CLEARANCES.

T. ALL 24"x24" RETURN GRILLES SHOWN SHALL BE 'R1' TYPE.

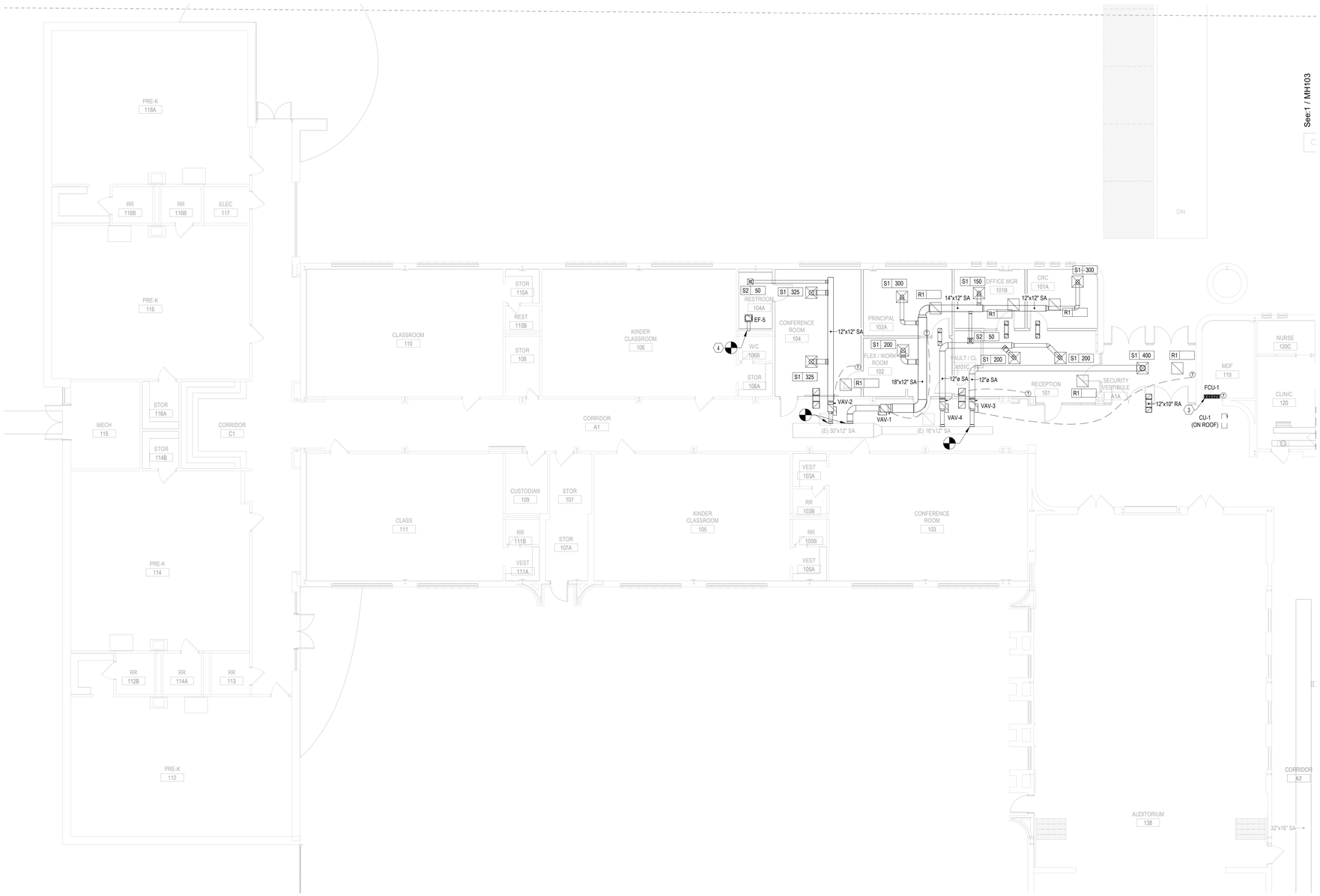
U. REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR EXACT LOCATIONS AND ELEVATIONS OF LOUVERS. TYPICAL.

V. REFER TO SPECIFICATION SECTION 230700 HVAC INSULATION FOR ALL DUCTWORK AND PIPING INSULATION MATERIALS.

W. ALL CONTROL CABLING SHALL BE SECURED INDEPENDENTLY FROM ALL OTHER CABLING. CONTROL CABLING SHALL BE IN CONDUIT IN ALL INACCESSIBLE CEILING SPACES AND DOWN WALLS.

X. FURNISH AND INSTALL TYPE 1 GREASE HOOD EXHAUST DUCTWORK CONSTRUCTED WITH MIN 18 GAUGE STAINLESS STEEL WITH LIQUID TIGHT WELDS. SLOPE EXHAUST DUCT 1/4" PER FOOT TOWARDS EXHAUST HOOD. INSTALL ACCESS PANELS FOR CLEANING AS REQUIRED BY NFPA AND LOCAL MECHANICAL CODES. FURNISH A UL APPROVED TYPE 1 GREASE DUCT WRAP SYSTEM AND INSTALL PER MANUFACTURER'S INSTRUCTIONS.

Y. COORDINATE INSTALLATION OF VAV BOXES WITH DUCT AND PIPING MAINS TO ALLOW FOR REQUIRED MAINTENANCE ACCESS.



1 MECHANICAL HVAC PLAN - LEVEL 1 AREA A

1/8" = 1'-0"

NOTES BY SYMBOL

1. EXISTING AIR TERMINALS, DUCTWORK, AIR DEVICES, AND ANY ASSOCIATED APPURTENANCES TO REMAIN. RELOCATE AS NEEDED TO MATCH NEW ARCHITECTURAL LAYOUT.
2. 6" DRYER VENT UP THRU ROOF. REFER TO DETAIL MZ501/8.
3. PROVIDE CONDENSATE PIPING DOWN TO/INTO LAVATORY TAIL PIECE. PROVIDE AIR GAP FITTING.
4. RECONNECT DUCTWORK TO EXISTING EXHAUST DUCTWORK BELOW ROOF TO PREVENT ANY NEW ROOF PENETRATIONS.

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
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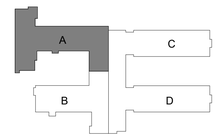


TRUE NORTH

N

MECHANICAL HVAC PLAN - LEVEL 1 AREA A

MH101

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

Project Name: ORG. #235 BAES Date:01/16/2026

PLAN NOTES

A. PROVIDE ACOUSTICAL SEALANT AT ALL STC RATED WALL PENETRATIONS TO MITIGATE SOUND MIGRATION. REFER TO ARCHITECTURAL FOR LOCATION OF ALL STC RATED WALLS.

B. COORDINATE FINAL LOCATION OF ALL TEMPERATURE SENSORS, HUMIDISTATS, THERMOSTATS, AND CO2 SENSORS WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.

C. PROVIDE MANUAL VOLUME BALANCE DAMPERS FOR ALL SUPPLY, RETURN, AND EXHAUST GRILLE/DIFFUSER BRANCHES, UNLESS NOTED OTHERWISE.

D. ALL MITERED ELBOWS SHALL HAVE TURNING VANES.

E. PROVIDE CONCEALED DAMPER REGULATOR FOR ALL SUPPLY, RETURN, AND EXHAUST GRILLES/DIFFUSERS LOCATED IN AREAS PIPING MAINS TO ALLOW FOR REQUIRED MAINTENANCE ACCESS.

F. PROVIDE INTERNALLY LINED DUCTWORK FOR ALL EXPOSED DUCTWORK IN FINISHED OCCUPIED SPACES AND IN AREAS WITH PARTIAL CEILINGS. PAINT EXPOSED DUCTWORK AS SPECIFIED BY ARCHITECT.

G. PROVIDE ACCESS PANELS IN ALL INACCESSIBLE CEILINGS FOR HVAC EQUIPMENT.

H. COORDINATE DIFFUSER/GRILLE/EXHAUST FAN LOCATION WITH FINAL ARCHITECTURAL REFLECTED CEILING PLAN.

I. PROVIDE LONG RADIUS ELBOWS EVERYWHERE POSSIBLE. OTHERWISE, PROVIDE TURNING VANES IN ALL ELBOWS PER SMACNA STANDARDS.

J. PROVIDE LABELING ON ALL CEILINGS AND WALLS, INDICATING ANY DEVICES AND LOCATIONS REQUIRE SERVICE OR ACCESS ABOVE CEILINGS OR BEHIND WALLS - TERMINAL UNITS, MANUAL VOLUME BALANCE DAMPERS, FIRE/SMOKE DAMPERS, ETC.

K. COORDINATE ALL ABOVE CEILING INSTALLATIONS CLOSELY WITH PLUMBING, FIRE PROTECTION, FIRE ALARM, AND ELECTRICAL SUB-CONTRACTORS.

L. FOR DUCT RUNOUTS TO DIFFUSERS, SIZE ACCORDING TO NECK/INLET SIZE, UNLESS NOTED OTHERWISE.

M. REFER TO HVAC EQUIPMENT MANUFACTURER FOR EXACT REFRIGERANT LINE SET SIZING.

N. ABOVE FINISH FLOOR HEIGHTS REFER TO BOTTOM OF EQUIPMENT/DEVICE ETC.ULATION SHALL BE CONTINUOUS THROUGH WALLS/FLOORS ETC TO PREVENT CONDENSATION.

O. DIFFUSER SHALL BE COMPLETELY INSULATED TO PREVENT CONDENSATION.

P. REFER TO VAV BOX SCHEDULE FOR INLET SIZE.

Q. COVER ALL RETURN AIR DUCTWORK OPENINGS WITH 1/4" GALVANIZED STEEL MESH (INCLUDING ALL TRANSFER OPENINGS).

R. PROVIDE RETURN AIR PATHWAYS FOR ALL TO DECK CONDITIONS.

S. ALL EQUIPMENT SHALL BE INSTALLED WITH MANUFACTURER RECOMMENDED CLEARANCES.

T. ALL 24"x24" RETURN GRILLES SHOWN SHALL BE 'R1' TYPE.

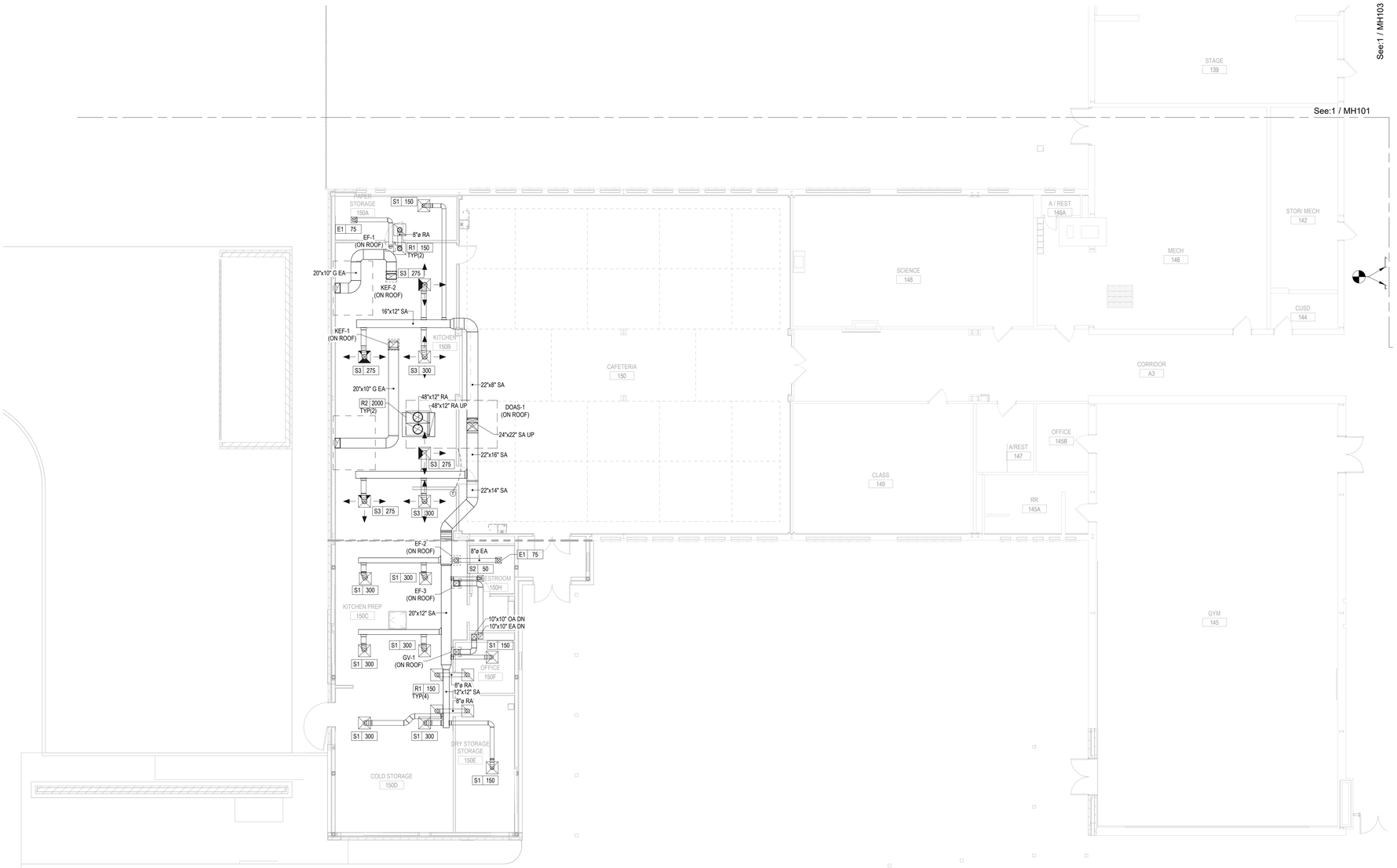
U. REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR EXACT LOCATIONS AND ELEVATIONS OF LOUVERS. TYPICAL.

V. REFER TO SPECIFICATION SECTION 230700 HVAC INSULATION FOR ALL DUCTWORK AND PIPING INSULATION MATERIALS.

W. ALL CONTROL CABLING SHALL BE SECURED INDEPENDENTLY FROM ALL OTHER CABLING. CONTROL CABLING SHALL BE IN CONDUIT IN ALL INACCESSIBLE CEILING SPACES AND DOWN WALLS.

X. FURNISH AND INSTALL TYPE 1 GREASE HOOD EXHAUST DUCTWORK CONSTRUCTED WITH MIN 18 GAUGE STAINLESS STEEL WITH LIQUID TIGHT WELDS. SLOPE EXHAUST DUCT 1/4" PER FOOT TOWARDS EXHAUST HOOD. INSTALL ACCESS PANELS FOR CLEANING AS REQUIRED BY NFPA AND LOCAL MECHANICAL CODES. FURNISH A UL APPROVED TYPE 1 GREASE DUCT WRAP SYSTEM AND INSTALL PER MANUFACTURER'S INSTRUCTIONS.

Y. COORDINATE INSTALLATION OF VAV BOXES WITH DUCT AND PIPING MAINS TO ALLOW FOR REQUIRED MAINTENANCE ACCESS.

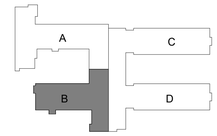


1 MECHANICAL HVAC PLAN - LEVEL 1 AREA B

1/8" = 1'-0"

NOTES BY SYMBOL (F)

1. EXISTING AIR TERMINALS, DUCTWORK, AIR DEVICES, AND ANY ASSOCIATED APPURTENANCES TO REMAIN. RELOCATE AS NEEDED TO MATCH NEW ARCHITECTURAL LAYOUT.
2. 6" DRYER VENT UP THRU ROOF. REFER TO DETAIL M2501/8.
3. PROVIDE CONDENSATE PIPING DOWN TO/INTO LAVATORY TAIL PIECE. PROVIDE AIR GAP FITTING.
4. RECONNECT DUCTWORK TO EXISTING EXHAUST DUCTWORK BELOW ROOF TO PREVENT ANY NEW ROOF PENETRATIONS.



TRUE NORTH

N

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School

DALLAS ISD

1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS

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MECHANICAL HVAC PLAN - LEVEL 1 AREA B

MH102

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

Project Name: ORG. #235 BAES Date:01/16/2026

PLAN NOTES

A. PROVIDE ACOUSTICAL SEALANT AT ALL STC RATED WALL PENETRATIONS TO MITIGATE SOUND MIGRATION. REFER TO ARCHITECTURAL FOR LOCATION OF ALL STC RATED WALLS.

B. COORDINATE FINAL LOCATION OF ALL TEMPERATURE SENSORS, HUMIDISTATS, THERMOSTATS, AND CO2 SENSORS WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.

C. PROVIDE MANUAL VOLUME BALANCE DAMPERS FOR ALL SUPPLY, RETURN, AND EXHAUST GRILLE/DIFFUSER BRANCHES. UNLESS NOTED OTHERWISE.

D. ALL MITERED ELBOWS SHALL HAVE TURNING VANES.

E. PROVIDE CONCEALED DAMPER REGULATOR FOR ALL SUPPLY, RETURN, AND EXHAUST GRILLES/DIFFUSERS LOCATED IN AREAS PIPING MAINS TO ALLOW FOR REQUIRED MAINTENANCE ACCESS.

F. PROVIDE INTERNALLY LINED DUCTWORK FOR ALL EXPOSED DUCTWORK IN FINISHED OCCUPIED SPACES AND IN AREAS WITH PARTIAL CEILINGS. PAINT EXPOSED DUCTWORK AS SPECIFIED BY ARCHITECT.

G. PROVIDE ACCESS PANELS IN ALL INACCESSIBLE CEILINGS FOR HVAC EQUIPMENT.

H. COORDINATE DIFFUSER/GRILLE/EXHAUST FAN LOCATION WITH FINAL ARCHITECTURAL REFLECTED CEILING PLAN.

I. PROVIDE LONG RADIUS ELBOWS EVERYWHERE POSSIBLE. OTHERWISE, PROVIDE TURNING VANES IN ALL ELBOWS PER SMACNA STANDARDS.

J. PROVIDE LABELING ON ALL CEILINGS AND WALLS, INDICATING ANY DEVICES AND LOCATIONS REQUIRE SERVICE OR ACCESS ABOVE CEILINGS OR BEHIND WALLS - TERMINAL UNITS, MANUAL VOLUME BALANCE DAMPERS, FIRE/SMOKE DAMPERS, ETC.

K. COORDINATE ALL ABOVE CEILING INSTALLATIONS CLOSELY WITH PLUMBING, FIRE PROTECTION, FIRE ALARM, AND ELECTRICAL SUB-CONTRACTORS.

L. FOR DUCT RUNOUTS TO DIFFUSERS, SIZE ACCORDING TO NECK/INLET SIZE, UNLESS NOTED OTHERWISE.

M. REFER TO HVAC EQUIPMENT MANUFACTURER FOR EXACT REFRIGERANT LINE SET SIZING.

N. ABOVE FINISH FLOOR HEIGHTS REFER TO BOTTOM OF EQUIPMENT/DEVICE ETC.ULATION SHALL BE CONTINUOUS THROUGH WALLS/FLOORS ETC TO PREVENT CONDENSATION.

O. DIFFUSER SHALL BE COMPLETELY INSULATED TO PREVENT CONDENSATION.

P. REFER TO VAV BOX SCHEDULE FOR INLET SIZE.

Q. COVER ALL RETURN AIR DUCTWORK OPENINGS WITH 1/4" GALVANIZED STEEL MESH (INCLUDING ALL TRANSFER OPENINGS).

R. PROVIDE RETURN AIR PATHWAYS FOR ALL TO DECK CONDITIONS.

S. ALL EQUIPMENT SHALL BE INSTALLED WITH MANUFACTURER RECOMMENDED CLEARANCES.

T. ALL 24"x24" RETURN GRILLES SHOWN SHALL BE 'R1' TYPE.

U. REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR EXACT LOCATIONS AND ELEVATIONS OF LOUVERS. TYPICAL.

V. REFER TO SPECIFICATION SECTION 230700 HVAC INSULATION FOR ALL DUCTWORK AND PIPING INSULATION MATERIALS.

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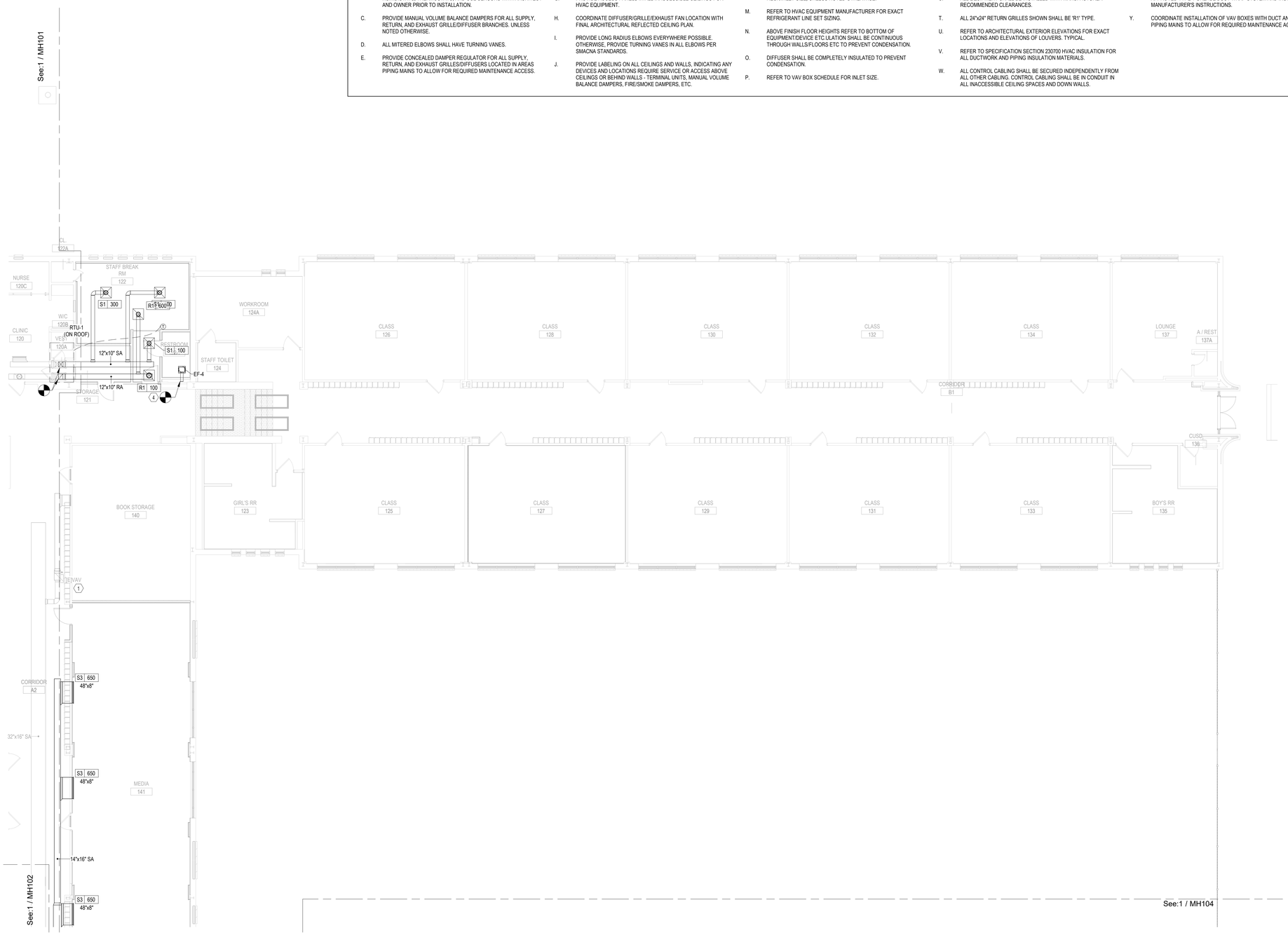
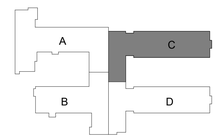


NOTES BY SYMBOL

1. EXISTING AIR TERMINALS, DUCTWORK, AIR DEVICES, AND ANY ASSOCIATED APPURTENANCES TO REMAIN. RELOCATE AS NEEDED TO MATCH NEW ARCHITECTURAL LAYOUT.
2. 6" DRYER VENT UP THRU ROOF. REFER TO DETAIL M2501/8.
3. PROVIDE CONDENSATE PIPING DOWN TO/INTO LAVATORY TAIL PIECE. PROVIDE AIR GAP FITTING.
4. RECONNECT DUCTWORK TO EXISTING EXHAUST DUCTWORK BELOW ROOF TO PREVENT ANY NEW ROOF PENETRATIONS.

1 MECHANICAL HVAC PLAN - LEVEL 1 AREA C
1/8" = 1'-0"



TRUE NORTH

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1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS — P. ADAM NEMATI — 102287 — LICENSED PROFESSIONAL ENGINEER — 05/11/2026

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ISSUES & REVISIONS

No.	Date	Revision
1	02/22/2026	IFP

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
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Contact: Ovi Sipos
T: 214-623-5872

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T: 214-739-9105

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MEPCE
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Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

MECHANICAL HVAC PLAN - LEVEL 1 AREA C

MH103

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

Project Name: ORG. #235 BAES Date:01/16/2026

PLAN NOTES

A. PROVIDE ACOUSTICAL SEALANT AT ALL STC RATED WALL PENETRATIONS TO MITIGATE SOUND MIGRATION. REFER TO ARCHITECTURAL FOR LOCATION OF ALL STC RATED WALLS.

B. COORDINATE FINAL LOCATION OF ALL TEMPERATURE SENSORS, HUMIDISTATS, THERMOSTATS, AND CO2 SENSORS WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.

C. PROVIDE MANUAL VOLUME BALANCE DAMPERS FOR ALL SUPPLY, RETURN, AND EXHAUST GRILLE/DIFFUSER BRANCHES. UNLESS NOTED OTHERWISE.

D. ALL MITERED ELBOWS SHALL HAVE TURNING VANES.

E. PROVIDE CONCEALED DAMPER REGULATOR FOR ALL SUPPLY, RETURN, AND EXHAUST GRILLES/DIFFUSERS LOCATED IN AREAS PIPING MAINS TO ALLOW FOR REQUIRED MAINTENANCE ACCESS.

F. PROVIDE INTERNALLY LINED DUCTWORK FOR ALL EXPOSED DUCTWORK IN FINISHED OCCUPIED SPACES AND IN AREAS WITH PARTIAL CEILINGS. PAINT EXPOSED DUCTWORK AS SPECIFIED BY ARCHITECT.

G. PROVIDE ACCESS PANELS IN ALL INACCESSIBLE CEILINGS FOR HVAC EQUIPMENT.

H. COORDINATE DIFFUSER/GRILLE/EXHAUST FAN LOCATION WITH FINAL ARCHITECTURAL REFLECTED CEILING PLAN.

I. PROVIDE LONG RADIUS ELBOWS EVERYWHERE POSSIBLE. OTHERWISE, PROVIDE TURNING VANES IN ALL ELBOWS PER SMACNA STANDARDS.

J. PROVIDE LABELING ON ALL CEILINGS AND WALLS, INDICATING ANY DEVICES AND LOCATIONS REQUIRE SERVICE OR ACCESS ABOVE CEILINGS OR BEHIND WALLS - TERMINAL UNITS, MANUAL VOLUME BALANCE DAMPERS, FIRE/SMOKE DAMPERS, ETC.

K. COORDINATE ALL ABOVE CEILING INSTALLATIONS CLOSELY WITH PLUMBING, FIRE PROTECTION, FIRE ALARM, AND ELECTRICAL SUB-CONTRACTORS.

L. FOR DUCT RUNOUTS TO DIFFUSERS, SIZE ACCORDING TO NECK/INLET SIZE, UNLESS NOTED OTHERWISE.

M. REFER TO HVAC EQUIPMENT MANUFACTURER FOR EXACT REFRIGERANT LINE SET SIZING.

N. ABOVE FINISH FLOOR HEIGHTS REFER TO BOTTOM OF EQUIPMENT/DEVICE ETC.ULATION SHALL BE CONTINUOUS THROUGH WALLS/FLOORS ETC TO PREVENT CONDENSATION.

O. DIFFUSER SHALL BE COMPLETELY INSULATED TO PREVENT CONDENSATION.

P. REFER TO VAV BOX SCHEDULE FOR INLET SIZE.

Q. COVER ALL RETURN AIR DUCTWORK OPENINGS WITH 1/4" GALVANIZED STEEL MESH (INCLUDING ALL TRANSFER OPENINGS).

R. PROVIDE RETURN AIR PATHWAYS FOR ALL TO DECK CONDITIONS.

S. ALL EQUIPMENT SHALL BE INSTALLED WITH MANUFACTURER RECOMMENDED CLEARANCES.

T. ALL 24"x24" RETURN GRILLES SHOWN SHALL BE 'R1' TYPE.

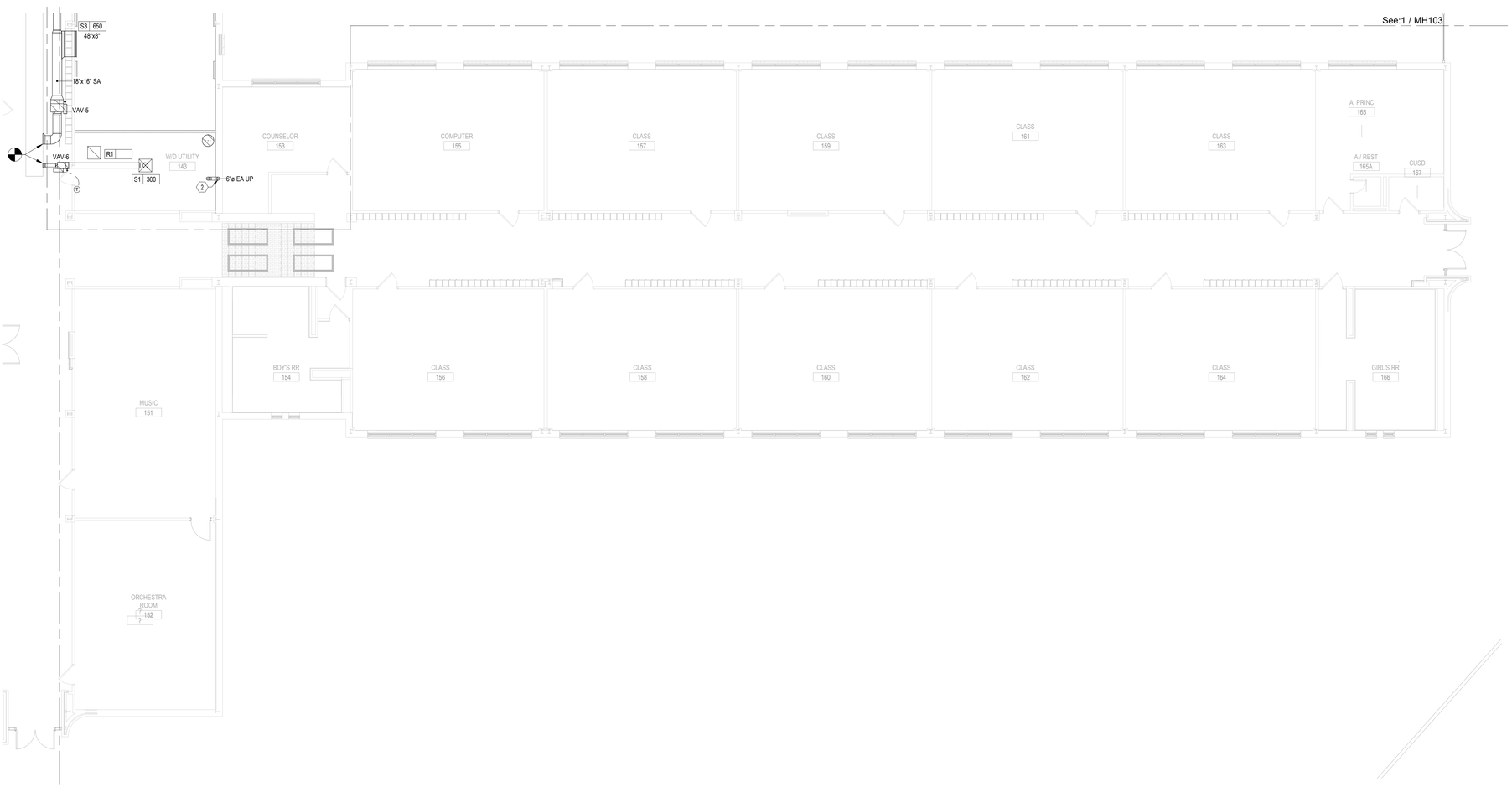
U. REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR EXACT LOCATIONS AND ELEVATIONS OF LOUVERS. TYPICAL.

V. REFER TO SPECIFICATION SECTION 230700 HVAC INSULATION FOR ALL DUCTWORK AND PIPING INSULATION MATERIALS.

W. ALL CONTROL CABLING SHALL BE SECURED INDEPENDENTLY FROM ALL OTHER CABLING. CONTROL CABLING SHALL BE IN CONDUIT IN ALL INACCESSIBLE CEILING SPACES AND DOWN WALLS.

X. FURNISH AND INSTALL TYPE 1 GREASE HOOD EXHAUST DUCTWORK. CONSTRUCTED WITH MIN 18 GAUGE STAINLESS STEEL WITH LIQUID TIGHT WELDS. SLOPE EXHAUST DUCT 1/4" PER FOOT TOWARDS EXHAUST HOOD. INSTALL ACCESS PANELS FOR CLEANING AS REQUIRED BY NFPA AND LOCAL MECHANICAL CODES. FURNISH A UL APPROVED TYPE 1 GREASE DUCT WRAP SYSTEM AND INSTALL PER MANUFACTURER'S INSTRUCTIONS.

Y. COORDINATE INSTALLATION OF VAV BOXES WITH DUCT AND PIPING MAINS TO ALLOW FOR REQUIRED MAINTENANCE ACCESS.

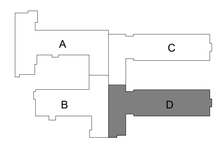


NOTES BY SYMBOL

1. EXISTING AIR TERMINALS, DUCTWORK, AIR DEVICES, AND ANY ASSOCIATED APPURTENANCES TO REMAIN. RELOCATE AS NEEDED TO MATCH NEW ARCHITECTURAL LAYOUT.
2. 6" DRYER VENT UP THRU ROOF. REFER TO DETAIL MZ501/8.
3. PROVIDE CONDENSATE PIPING DOWN TO/INTO LAVATORY TAIL PIECE. PROVIDE AIR GAP FITTING.
4. RECONNECT DUCTWORK TO EXISTING EXHAUST DUCTWORK BELOW ROOF TO PREVENT ANY NEW ROOF PENETRATIONS.

1 MECHANICAL HVAC PLAN - LEVEL 1 AREA D

1/8" = 1'-0"



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Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
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T: 972-887-5566

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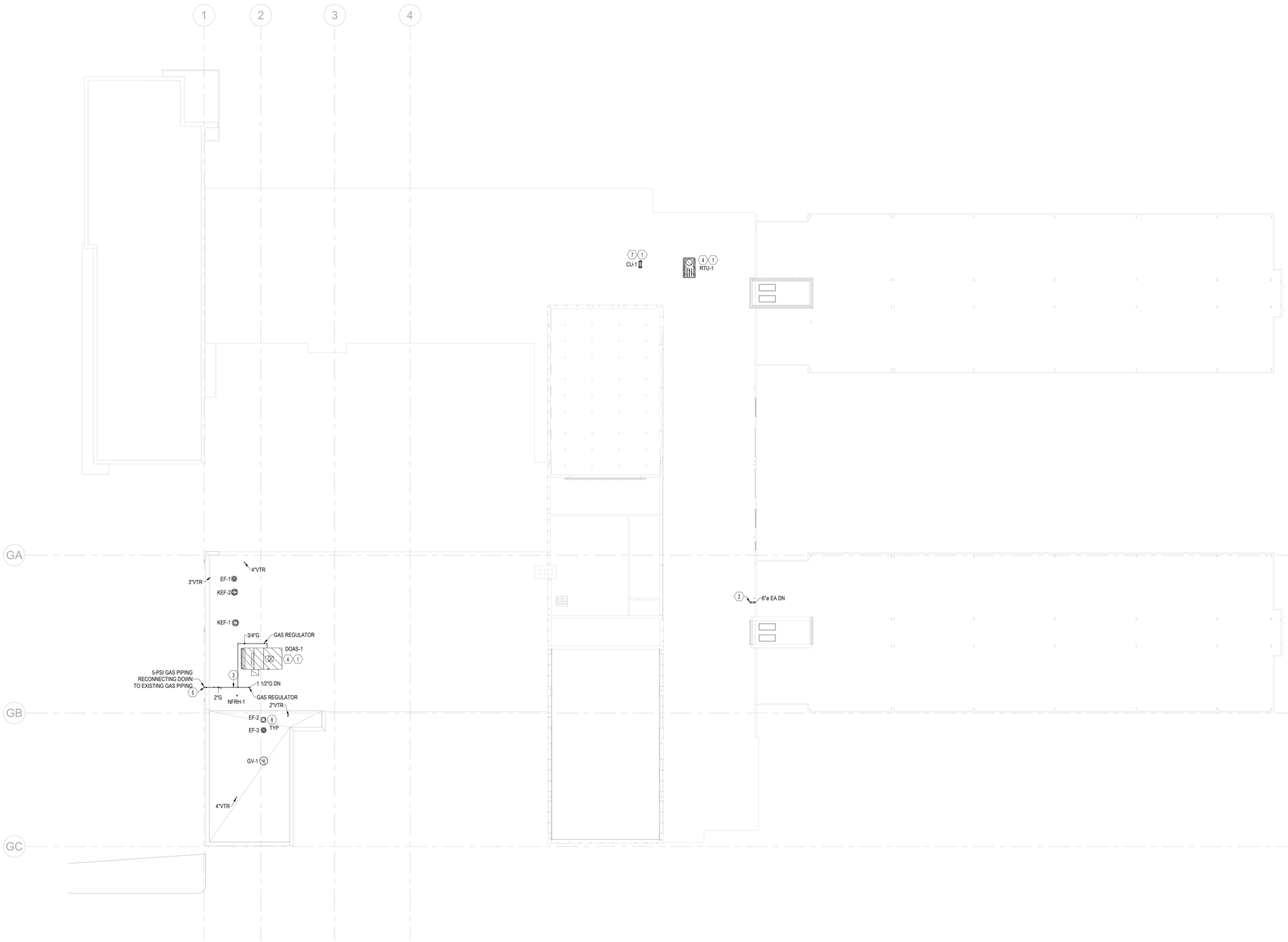
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

MECHANICAL HVAC PLAN - LEVEL 1 AREA D

MH104

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 MECHANICAL ROOF PLAN

1/16" = 1'-0"

PLAN NOTES

A. COORDINATE ALL VENTS, FLUES, AND OTHER PENETRATIONS IN METAL ROOFING TO OCCUR BETWEEN STANDING SEAMS AND NOT RESTRICT FLOW OF WATER AROUND EACH SIDE OF PENETRATION.

B. MAINTAIN 10'-0" CLEARANCE BETWEEN ALL MECHANICAL INTAKES AND ANY EXHAUST DISCHARGE OR VENT PIPE OUTLET.

C. CONTRACTOR TO GAS REGULATORS ARE LOCATED NO LESS THAN 10'-0" FROM ANY MECHANICALLY DRIVEN AIR-INTAKE.

D. MAINTAIN EQUIPMENT CLEARANCES AS DICTATED BY MANUFACTURER RECOMMENDATIONS. TYPICAL.

E. NEW ROOF CURBS FOR EQUIPMENT SHALL BE PROVIDED FOR UNITS AS REQUIRED TO ALLOW FOR NEW FLASHING.

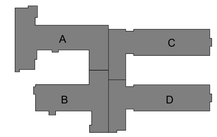
F. RECONNECT EXISTING EQUIPMENT PIPING TO ROOF-TOP EQUIPMENT, ROUTE PIPING IN THE SAME LOCATION AS PREVIOUS. PROVIDE NEW PIPING CONNECTIONS TO NEW EQUIPMENT AND PREVIOUS EQUIPMENT WITH MISSING OR DAMAGED PIPES.

G. PROVIDE NEW GAS REGULATORS AT EACH NEW RTU, AND EXISTING EQUIPMENT. GAS PIPING DOWNSTREAM OF REGULATORS SHALL BE SIZED PER THE EQUIPMENT MANUFACTURERS RECOMMENDATIONS.

H. ROOF MOUNTED EQUIPMENT TO BE INSTALLED MINIMUM 10-FT FROM ROOF EDGE OR OTHERWISE FURNISHED WITH ROOF MOUNTED FALL PROTECTION.

NOTES BY SYMBOL (#)

1. CONDENSATE PIPING DOWN THROUGH ROOF TO LEVEL BELOW. TERMINATE AT FLOOR DRAIN, MOP-SINK, OR LAVATORY TAIL-PIECE UNLESS OTHERWISE INDICATED.
2. DRYER EXHAUST DUCT ROUTED THRU ROOF. REFERENCE 8/MZ501.
3. PROVIDE NEW GAS LINE AS REQUIRED FOR NEW ROOFTOP AND KITCHEN EQUIPMENT.
4. FURNISH NEW ROOFTOP EQUIPMENT AND ASSOCIATED ROOF CURBS IN PLACE OF EXISTING. EXISTING PENETRATION TO BE MODIFIED AS REQUIRED FOR INSTALLATION OF NEW EQUIPMENT AND CURBS.
5. DEMOLISH EXISTING GAS PIPING TO PIPING MAIN. PREPARE FOR RECONNECTION TO EXISTING PIPING AT APPROXIMATE LOCATION.
6. EXHAUST ROOF FAN WITH BIRD SCREEN, AND BACKDRAFT DAMPER FOR EACH TERMINATION. PROVIDE NEW CURB.
7. PROVIDE NEW SPLIT SYSTEM PER SCHEDULE WITH ALL NECESSARY COMPONENTS FOR A FULLY OPERATIONAL SYSTEM. ROUTE CONDENSATE TO/INTO NEAREST AVAILABLE PLUMBING FIXTURE.



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Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

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HarrisonKornberg ARCHITECTS

100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

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MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

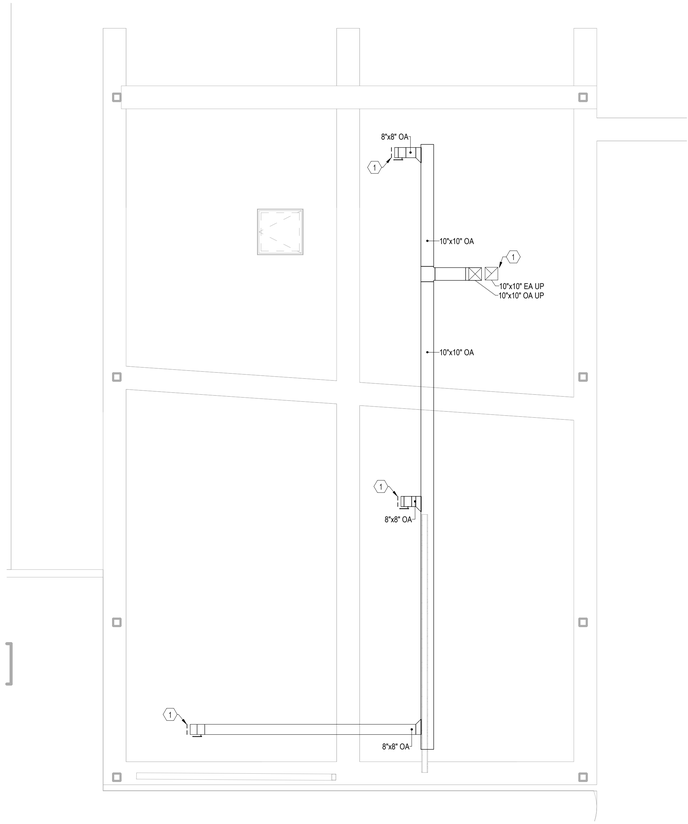
PROJECT CODE
31.00430

MECHANICAL PLAN - ROOF

MX105

SCALE: As indicated

Project Name: ORG. #235 BAES Date:01/16/2026



1 MECHANICAL HVAC PLAN - CRAWLSPACE

1/4" = 1'-0"

PLAN NOTES

A. PROVIDE ACCESS PANELS IN ALL INACCESSIBLE CEILINGS FOR HVAC EQUIPMENT.

B. ALL HYDRONIC PIPING TO BE COORDINATED IN ELEVATION WITH PLUMBING AND DUCTWORK AND OTHER SYSTEMS IN PLENUM SPACE. MAINTAIN FPB/VAV BOX MAINTENANCE ACCESS.

C. PROVIDE SHUTOFF VALVES AT RISER TAPS TO EACH FLOOR.

D. INSULATED PIPING SHALL BE CONTINUOUS THROUGH WALLS/FLOORS ETC TO PREVENT CONDENSATION. ALL INSULATED PIPING PENETRATIONS SHALL BE SLEEVED.

E. REFER TO COIL DETAILS FOR ADDITIONAL INFORMATION. TYPICAL OF ALL COILS.

NOTES BY SYMBOL ⑧

1. CONTRACTOR SHALL PROVIDE 1/2"X1/2" GALV. STEEL HARDWARD CLOTH OVER OPENING.

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

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972-870-9060

PROJECT CODE
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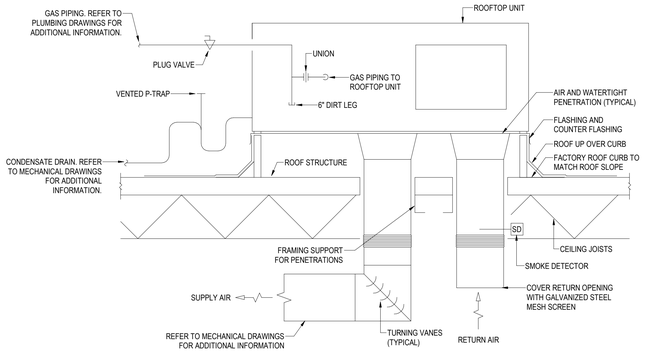
MECHANICAL ENLARGED PLANS

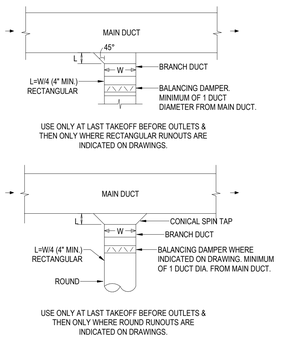
MZ401

SCALE: As indicated

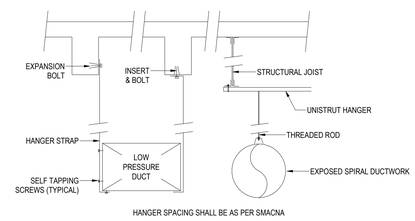
Project Name: ORG. #235 BAES Date:01/16/2026



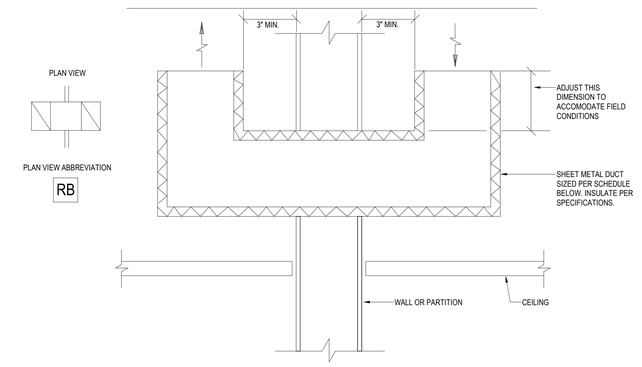
9 ROOFTOP UNIT (GAS)
NTS



5 DUCTWORK TAKEOFFS
NTS



1 DUCT HANGER
NTS



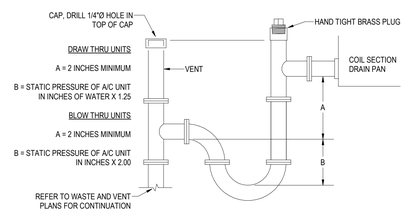
RETURN BOOT SCHEDULE		
CFM RANGE	TRANSFER DUCT SIZE	
	RECTANGULAR	ROUND
0 TO 320	10" x 10"	12"Ø
321 TO 460	12" x 12"	14"Ø
461 TO 630	14" x 14"	16"Ø
631 TO 820	16" x 16"	18"Ø
821 TO 1030	18" x 18"	20"Ø
1031 TO 1290	20" x 20"	22"Ø
1291 TO 1560	22" x 22"	24"Ø
1561 TO 1860	24" x 24"	28"Ø

1. EVERY ROOM WITH ALL WALLS TO DECK AND DENOTED 'RB' ON FLOOR PLANS RECEIVES AN RETURN AIR BOOT PROPERLY SIZED FROM THE SCHEDULE BELOW.
2. A PATHWAY WHICH REQUIRES MORE THAN THE MAXIMUM CFM PER THE SCHEDULE WILL RECEIVE MULTIPLE AIR TRANSFER BOOTS UNTIL DESIRED CFM RANGE IS ACQUIRED.
3. WHEN AN RETURN AIR BOOT IS PLACED IN A RATED WALL THE CORRESPONDING DAMPER FOR THAT PARTICULAR WALL SHALL BE INSTALLED IN THE RETURN AIR BOOT.
4. IF SPACE CONDITIONS ARE NOT ADEQUATE FOR MULTIPLE RETURN AIR BOOTS THAN SIZE THE RETURN AIR BOOTS FOR NO MORE THAN 500 FPM. REFER TO DETAIL ABOVE.

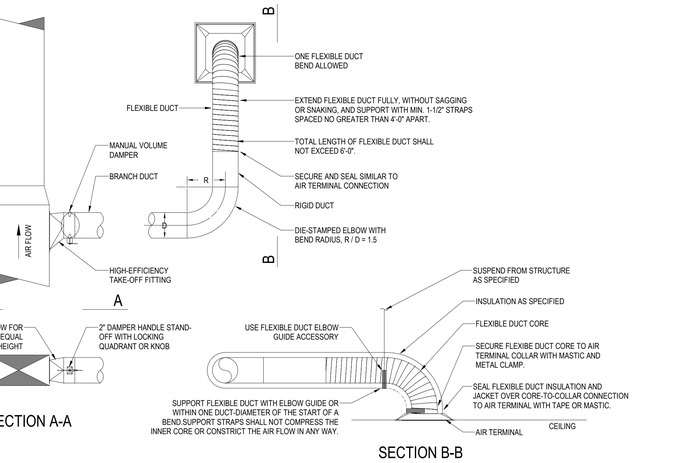
RETURN PATHWAY SCHEDULE			
CFM RANGE	PATHWAY SIZE	CFM RANGE	PATHWAY SIZE
	RECTANGULAR		RECTANGULAR
0 TO 350	10" x 10"	2151 TO 2850	32" x 32"
351 TO 400	12" x 12"	2851 TO 3600	36" x 36"
401 TO 540	14" x 14"	3601 TO 4400	40" x 40"
541 TO 710	16" x 16"	4401 TO 5400	44" x 44"
711 TO 900	18" x 18"	5401 TO 6400	48" x 48"
901 TO 1100	20" x 20"	6401 TO 7500	52" x 52"
1101 TO 1600	24" x 24"	7501 TO 8700	56" x 56"
1601 TO 2150	28" x 28"		

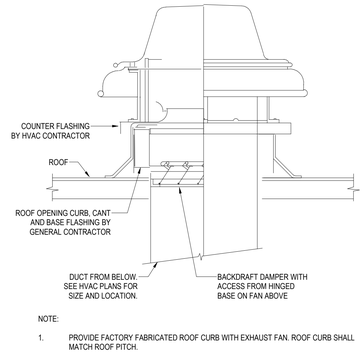
1. EVERY ROOM WITH ALL WALLS TO DECK AND DENOTED 'RP' ON FLOOR PLANS RECEIVES AN RETURN AIR PATHWAY PROPERLY SIZED FROM THE SCHEDULE BELOW. PATHWAYS INSTALLED AS HIGH AS POSSIBLE.

10 RETURN AIR BOOT DETAIL AND SCHEDULE
NTS



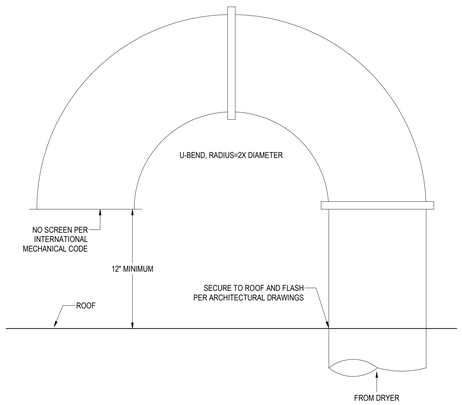
6 CONDENSATE P-TRAP
NTS



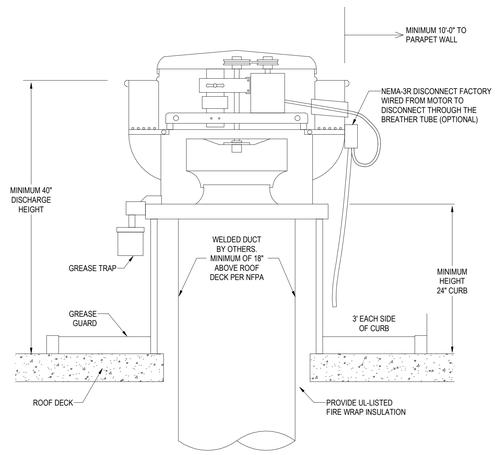


7 ROOF MOUNTED EXHAUST FAN
NTS

3 DIFFUSER RUN-OUT
NTS



8 DRYER VENT EXHAUST
NTS



4 KITCHEN EXHAUST FAN WITH GREASE GUARD
NTS

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ISSUES & REVISIONS

No.	Date	Revision
1	02/22/2026	IFP

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Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
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T: 214-739-9105

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T: 214-752-9092

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T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

MECHANICAL DETAILS

MZ501

SCALE: As indicated

Project Name: ORG. #235 BAES Date:01/16/2026

GRAVITY VENTILATOR SCHEDULE

MARK	TYPE	SERVES	AIRFLOW (CFM)	THROAT SIZE (IN.)	MAX. ALLOWABLE PRESSURE DROP (IN. W.G.)	MAX. WEIGHT (LBS)	MANFACTURER / MODEL
GV-1	INTAKE	CRAWLSPACE	200	8X8	0.10	42	GREENHECK | FGI

1. PROVIDE WITH 8" HIGH ROOF CURB. ROOF CURB SHALL MATCH ROOF SLOPE.
2. PROVIDE BIRD SCREEN.
3. PROVIDE GRAVITY BACKDRAFT DAMPER.
4. PROVIDE HOOD WITH FACTORY APPLIED FIBERGLASS INSULATION.

DEDICATED OUTDOOR AIR SYSTEM

MARK	SERVES	MINIMUM SEER/EER	NOMINAL TONNAGE	COOLING PERFORMANCE							HEATING PERFORMANCE				ELECTRICAL				GENERAL			
				OUTDOOR AIRFLOW(CFM)	SUPPLY AIRFLOW(CFM)	E.S.P. (IN. W.G.)	SENSIBLE MBH	TOTAL MBH	EAT (DB°F)	LAT (DB°F)	GAS INPUT	MINIMUM GAS OUTPUT (BTU/H)	EAT (DB°F)	LAT (DB°F)	FLA	MCA	MOCP	VOLTS / PHASE	WEIGHT (LBS.)	MANUFACTURER	MODEL NO.	NOTES
DOAS-1	KITCHEN	6.8/6.2	25	4,000	4,000	1.25	176.1	307.8	100.4	55	300	243	17	72	49	57	80	460/3	4000	GREENHECK	RV-45-25I-J-A2	ALL

NOTES:

1. DOUBE WALL, THERMAL-BREAK CABINET WITH R-13 FOAM INSULATION
2. MODULATING HOT-GAS REHEAT FOR HUMIDITY CONTROL
3. MODULATING GAS HEAT WITH STAINLESS STEEL HEAT EXCHANGER (25-YEAR, NON-PRORATED HX WARRANTY)
4. FACTORY-INSTALLED HAIL GUARDS
5. 10-100% MODULATING COMPRESSOR ON LEAD STAGE
6. MOTORIZED OA DAMPER
7. 2" PLEATED MERV-8 PREFILTERS AND 2" MERV-13 UNIT FILTERS.
8. FACTORY PROVIDED VFD FOR DIRECT DRIVE FAN.
9. STAINLESS STEEL DRAINPANS.
10. FACTORY INSTALLED UNIT CONTROLLER WITH BACNET INTERFACE.
11. MANUFACTURER'S ONSITE STARTUP ASSISTANCE.
12. ROOF CURB, FLAT ROOF.
13. SINGLE POINT POWER CONNECTION WITH FIELD INSTALLED FUSED DISCONNECT FURNISHED BY ELECTRICAL CONTRACTOR.

GAS HEAT ROOFTOP UNIT SCHEDULE

MARK	SERVES	MINIMUM SEER / EER	NOMINAL TONNAGE								HEATING PERFORMANCE				ELECTRICAL			GENERAL			
				SUPPLY AIRFLOW (CFM)	OUTDOOR AIRFLOW (CFM)	E.S.P. (IN. W.G.)	SENSIBLE MBH	TOTAL MBH	EAT (DB°F)	EAT (WB°F)	LAT (DB°F)	LAT (WB°F)	INPUT (MBTU/H)	OUTPUT (MBTU/H)	EAT (DB°F)	LAT (DB°F)	MCA	MOCP	VOLTS / PHASE	WEIGHT (LBS.)	MANUFACTURER	MODEL NO.	NOTES
RTU-1	ADMIN	13.4/-	4	1,600	320	1.3	43.2	48.0	80.0	66.2	55.0	54.0	47.5	31	55	90	12	15	480/3	600	TRANE	WSC	ALL

NOTES:

1. E.S.P. INCLUDES DIRTY FILTER PRESSURE DROP.
2. PROVIDE CONSTRUCTION SET OF FILTERS. REPLACE WITH NEW PRIOR TO PROJECT CLOSEOUT.
3. PROVIDE MOTOR STARTER AND INTEGRAL DISCONNECT.
4. PROVIDE STAINLESS STEEL DRAIN PANS AND COIL CASINGS.
5. PROVIDE MAIN CONDENSATE CONNECTIONS WITH FLOAT SWITCH BACKUP.
6. PROVIDE COIL REMOVAL ACCESS PANEL BOTH SIDES.
7. PROVIDE MIXING PLENUM WITH FILTERED RETURN GRILLE.
8. PROVIDE FAULT DETECTION AND DIAGNOSTICS (FDD) PACKAGES.
9. HORIZONTAL BLOW-THRU UNIT.
10. PROVIDE WITH VFD SPEED CONTROLLER FOR BALANCING.
11. PROVIDE WITH VFD SPEED FOR MODULATING CONTROL.
12. PROVIDE WITH THERMOSTAT FOR ON/OFF CONTROL.
13. PROVIDE WITH H-O-A STARTER FOR START/STOP CONTROL.
14. FAN COIL UNIT TO RUN CONTINUOUSLY. START/STOP THRU EMS.
15. PROVIDE 1" THICK, FOIL-FACED INSULATION.
16. FURNISH WITH MERV-13 FILTERS
17. PROVIDE WP GFCI OUTLET INTEGRAL TO UNIT

FAN SCHEDULE

MARK	SYSTEM	SERVES	TYPE	DRIVE	AIRFLOW (CFM)	E.S.P. (IN. W.G.)	WATTS	POWER (HP)	FAN RPM	MOTOR RPM	VOLTS / PHASE	FLA	MCA	MOCP	MAX. SONES	MANUFACTURER / MODEL	MAX. WEIGHT (LBS)	CONTROLLED BY	NOTES
EF-1	EXHAUST	STORAGE	ROOF DOWNBLAST	DIRECT	75	0.25	-	0.02	1,393	1550	120 / 1	0.76	-	-	2.9	GREENHECK/ G-060-D	37	EMS	1-11, A-F
EF-2	EXHAUST	RESTROOM	ROOF DOWNBLAST	DIRECT	75	0.25	-	0.02	1,393	1550	120 / 1	0.76	-	-	2.9	GREENHECK/ G-060-D	37	EMS	1-11, A-F
EF-3	EXHAUST	CRAWLSPACE	ROOF DOWNBLAST	DIRECT	200	0.50	-	0.13	1,317	1550	120 / 1	2.6	-	-	7.0	GREENHECK/ G-095-D	49	EMS	1-11, A-F
EF-4	EXHAUST	RESTROOM	CEILING MOUNTED	DIRECT	75	0.35	80	-	765	950	120 / 1	1.15	-	-	1.0	GREENHECK/SP-B110	11	EMS	1-11, I-IV
EF-5	EXHAUST	RESTROOM	CEILING MOUNTED	DIRECT	75	0.35	80	-	765	950	120 / 1	1.15	-	-	1.0	GREENHECK/SP-B110	11	EMS	1-11, I-IV
KEF-1	EXHAUST	KITCHEN	ROOF UPBLAST CENTRIFUGAL	DIRECT	2,000	1.25	-	1.00	1,536	1650	115/1/60	11.5	14	30	15.5	GREENHECK/ CUE-160HP-VG	126	KITCHEN HOOD	1-11, A-F, a-g
KEF-2	EXHAUST	KITCHEN	ROOF UPBLAST CENTRIFUGAL	DIRECT	2,000	1.25	-	1.00	1,536	1650	115/1/60	11.5	14	30	15.5	GREENHECK/ CUE-160HP-VG	126	KITCHEN HOOD	1-11, A-F, a-g

GENERAL NOTES (ALL FANS):

1. MAINTAIN MINIMUM CLEARANCES REQUIRED FOR SERVICE, MAINTENANCE, AND INSPECTION.
2. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
3. PROVIDE ALUMINUM INSECT SCREEN AT EXHAUST DISCHARGE FOR CEILING FANS.
4. PROVIDE ALUMINUM BIRD SCREEN FOR ALL OTHER FANS.
5. PROVIDE GRAVITY BACKDRAFT DAMPER. [NOT ON KITCHEN FANS]
6. KITCHEN HOOD FAN TO BE UL762 LISTED FOR KITCHEN GREASE EXHAUST, FURNISHED WITH GREASE FILTER, AND CONTROLLED BY HOOD CONTROL PACKAGE
7. PROVIDE RELIEF FANS AND KITCHEN EXHAUST FAN WITH FIELD MOUNTED VFD
8. PROVIDE SHAFT GROUNDING RING FOR ALL VFD CONTROLLED FANS.
9. PROVIDE RELIEF FAN WITH FIELD MOUNTED VFD LOCATED ADJACENT TO FAN WITH NEMA [1,3] ENCLOSURE.
10. PROVIDE WITH MANUFACTURER RECOMMENDED INLET SAFETY SCREEN. [FOR OPEN INLETS SUCH AS CRAWLSPACE AND OPEN RELIEF FANS].
11. PROVIDE EC MOTOR WITH MOTOR MOUNTED POTENTIOMETER [(OR) WHICH WILL RECEIVE 0-10 DC CONTROL FROM EMS (AIR BALANCING THROUGH EMS).

ROOF-MOUNTED EXHAUST FAN NOTES:

A. PROVIDE WITH FACTORY MOUNTED & WIRED NEMA-1 FUSED DISCONNECT SWITCH.
B. PROVIDE INSULATED ROOF CURB WITH WOOD NAILER AND DAMPER TRAY TO MATCH ROOF TYPE AND SLOPE. COORDINATE WITH ROOFING PLANS.
C. PROVIDE HINGED SUB BASE KIT TO PROVIDE DAMPER ACCESS TO DAMPER. [NOT GENERALLY REQUIRED, NOT FOR KITCHEN FANS]
D. ROOF MOUNTED EQUIPMENT TO BE INSTALLED MINIMUM 10-FT FROM ROOF EDGE OR OTHERWISE FURNISHED WITH ROOF MOUNTED FALL PROTECTION.
E. UTILITY SET RELIEF FANS TO BE CONFIGURED WITH STELL ACCESS DOOR, STEEL DRAIN, OSHA BELT GUARD/WEATHER COVER, ROTARY BELT-TENSIONER, AND ISOLATION RAILS WITH SPRING ISOLATORS. [FOR UTILITY SET FANS]
F. CURB CAP & INLET BOX ADAPTER FOR VERTICAL INLET DUCT CONNECTION. [FOR LOW CFM UTILITY FANS]

IN-LINE EXHAUST FANS NOTES:

I. PROVIDE WITH FACTORY MOUNTED & WIRED NEMA-1 FUSED DISCONNECT SWITCH.
II. PROVIDE SPRING HANGING ISOLATION KIT AND COORDINATE MOUNTING BRACKETS WITH CEILING STRUCTURE.
III. PROVIDE INSULATED HOUSING.
IV. INLET GUARD FOR OPEN INLET APPLICATIONS

KITCHEN EXHAUST FANS NOTES:

a. PROVIDE KITCHEN FANS WITH FIELD MOUNTED VFD LOCATED ADJACENT TO FAN WITH NEMA 3 ENCLOSURE.
b. PROVIDE KITCHEN AND DISHWASHER FANS WITH EPOXY COATING.
c. KITCHEN HOOD FAN TO BE UL 762 LISTED FOR KITCHEN GREASE EXHAUST, FURNISHED WITH GREASE TERMINATOR, AND CONTROLLED BY HOOD CONTROL PACKAGE.
d. PROVIDE WITH FACTORY NEMA-3R FUSED-DISCONNECT SWITCH FURNISHED BY ELECTRICAL CONTRACTOR.
e. PROVIDE VENTED EXTENSION CURB ACCESSORY.
f. PROVIDE HINGED SUB BASE KIT FOR CLEANING.
g. **TYPE 1 GREASE EXHAUST DUCTWORK CONSTRUCTION.**

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS — P. ADAM NEMATI — 102287 — LICENSED PROFESSIONAL ENGINEER — 02/11/2026

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Engineering Firm : F-4050
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www.mepce.com
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MECHANICAL SCHEDULES

MZ601

SCALE:

Project Name: ORG. #235 BAES Date:01/16/2026

AIR DEVICE SCHEDULE

MARK	TYPE	DESCRIPTION	NECK SIZE	FACE SIZE	THROW	MANUFACTURER / MODEL NO.	MATERIAL
S1	SUPPLY	CONE	SEE NOTE 1	24" X 24"	4-WAY	GREENHECK / 5700-AL	ALUMINUM
S2	SUPPLY	CONE	SEE NOTE 1	12" X 12"	4-WAY	GREENHECK / 5700-AL	ALUMINUM
S3	SUPPLY	PERFORATED DIRECTIONAL	SEE NOTE 1	24" X 24"	REFER TO PLANS	GREENHECK / XG-7600	ALUMINUM
R1	RETURN	SIGHT-PROOF EGG CRATE	SEE NOTE 1	24" X 24"	-	GREENHECK / CC45	ALUMINUM
R2	RETURN	SIGHT-PROOF EGG CRATE	SEE NOTE 1	48" X 24"	-	GREENHECK / CC45	ALUMINUM
E1	EXHAUST	SIGHT-PROOF EGG CRATE	SEE NOTE 1	12" X 12"	-	GREENHECK / CC45	ALUMINUM

1. SEE BELOW AIR DEVICE RUNOUT SCHEDULE FOR NECK SIZES: NECK SIZE SHALL BE THE SAME AS THE RUN-OUT SIZE.

SUPPLY DUCTWORK		RETURN/EXHAUST	
RUNOUT CFM	RUNOUT Ø	RUNOUT CFM	RUNOUT Ø
0-100	6"	0-75	6"
101-210	8"	76-170	8"
211-380	10"	171-310	10"
381-630	12"	311-500	12"
631-950	14"	501-770	14"
951-1400	16"	771-1100	16"

2. COORDINATE COLOR AND FINISH WITH OWNER / ARCHITECT. PLASTER FRAMES SHALL BE FACTORY PRIMED FOR FIELD PAINTING.
3. UNITS SHALL BE FURNISHED WITH APPROPRIATE FRAMES, ETC. FOR MOUNTING IN RESPECTIVE CEILING TYPES AND CONDITIONS.
4. SOUND VALUES SHALL NOT EXCEED 30 NC, UNLESS OTHERWISE NOTED.
5. PROVIDE MOLDED INSULATION BLANKET ON THE BACKSIDE OF DIFFUSER PAN FOR SUPPLY AND RETURN APPLICATIONS.
6. PROVIDE INSULATED SUPPLY PLENUM.
7. ALL AIR DEVICES SHALL BE INSTALLED WITH DUCT MOUNTED VOLUME DAMPER FOR AIR BALANCING PURPOSES. SEE SPECIFICATIONS FOR DETAILS. DUCT MOUNTED AIR DEVICES OR THOSE WITH LIMITED DUCT RUNOUTS SHALL BE FURNISHED WITH OPPOSED BLADE DAMPER AT THE FACE OF THE AIR DEVICE.
8. LINEAR SLOTS USED IN PLENUM RETURN APPLICATIONS SHALL BE PROVIDED WITH A LIGHT SHIELD.

VAV TERMINAL UNITS (ELECTRIC)

MARK	SERVES	BOX SIZE	MAX. CFM	MIN. CFM	INLET MIN. S.P. (IN. W.G.)	ELECTRICAL			ELECTRIC HEAT				MANUFACTURER / MODEL	NOTES
						CAPACITY (KW)	VOLTS	PHASE	HEATING CFM	EAT (F)	MAX LAT (F)	MIN MBH		
VAV-1	ADMIN	10	1,000	300	0.75	6.5	480	3	500	54	95	22.1	GREENHECK/ XG-TH	ALL
VAV-2	CONFERENCE RM	8	700	210	0.75	4.5	277	1	350	54	95	15.5	GREENHECK/ XG-TH	ALL
VAV-3	VESTIBULE	6	400	120	0.75	2.6	277	1	200	54	95	8.9	GREENHECK/ XG-TH	ALL
VAV-4	RECEPTION	6	400	120	0.75	2.6	277	1	200	54	95	8.9	GREENHECK/ XG-TH	ALL
VAV-5	MEDIA	14	1,950	585	0.75	12.7	480	3	975	54	95	43.2	GREENHECK/ XG-TH	ALL
VAV-6	W/D UTILITY	6	300	90	0.75	1.9	277	1	150	54	95	6.6	GREENHECK/ XG-TH	ALL

NOTES:

1. MAINTAIN MINIMUM CLEARANCES REQUIRED FOR SERVICE, MAINTENANCE, AND INSPECTION.
2. MEDIUM PRESSURE RUNOUT DUCTWORK AND FACTORY PIPING ASSEMBLES AND RUNOUT PIPING SHALL BE BASED UPON THE CHARTS BELOW.
   DUCT INLET SIZE TO MATCH BOX SIZE UNLESS NOTED OTHERWISE.

LENGTH OF STRAIGHT DUCT PRIOR TO BOX INLET	
BOX SIZE	LENGTH (INCHES)
6	18
8	24
10	30
12	36
14	42
16	48
18	54

3. PROVIDE DIRECT DIGITAL CONTROLS AND SEQUENCE OF OPERATION AS PER CONTROLS DIAGRAMS. CONTROLS SHALL BE FURNISHED AND SHIPPED TO VAV BOX FACTORY BY CONTROLS CONTRACTOR FOR FACTORY MOUNTING AND WIRING.
4. ALL CONTROL AND CONTROL POWER WIRING BY THE MECHANICAL CONTRACTOR. PROVIDE UNIT MOUNTED/FACTORY WIRED POWER AND CONTROL PANEL WITH DISCONNECT SWITCH. PROVIDE 120/24V TRANSFORMER AND 24V CONTROL CIRCUITRY.
5. TEST AND BALANCE CONTRACTOR SHALL BALANCE ALL VAV TERMINAL UNITS TO MAXIMUM SUPPLY AIR SCHEDULED. CFM DELIVERY SHALL BE ACCURATE TO WITHIN ±5% FROM 100% DOWN TO 25% AIRFLOW RATE.
6. MINIMUM AIRFLOW TO BE SET AT 30% OF MAX CFM UNLESS OTHERWISE NOTED.
7. SOUND POWER VALUES SCHEDULED ARE FOR THE 4TH OCTAVE BAND AT 1.5" W.C. MAX. DIFFERENTIAL STATIC PRESSURE, INLET VELOCITY OF 2000 FPM, INLET DAMPER FULL OPEN AT RATED MINIMUM STATIC PRESSURE DROP, 1/2" STANDARD DUAL DENSITY FIBERGLASS LINING, AND NOT HOT WATER COIL OR ATTENUATOR.
8. AIR TERMINALS BOXES ARE PRESSURE INDEPENDENT TYPE.
10. PROVIDE UNIT WITH 1" INSULATION.
11. COORDINATE CONTROLS AND TEMPERATURE SENSOR WITH FIELD CONDITIONS AND BMS CONTROLS CONTRACTOR.
12. PROVIDE BOX WITH SOUND ATTENUATOR ON BOXES WITH NC HIGHER THAN 30.
13. ELECTRIC HEATING COILS TO HAVE MODULATING SCR CONTROL.

COOLING ONLY SPLIT SYSTEM SCHEDULE

INDOOR UNIT													OUTDOOR UNIT								
MARK	CAPACITY (TONS)	COOLING PERFORMANCE						ELECTRICAL			DIMENSIONS (W"xD"xH")	OPERATING WEIGHT (LBS.)	MANUFACTURER / MODEL NO.	MARK	TOTAL CAPACITY (MBH)	AMBIENT AIR TEMPERATURE (°F)	ELECTRICAL			DIMENSIONS (W"xD"xH")	OPERATING WEIGHT (LBS.)	MANUFACTURER / MODEL NO.
		AIRFLOW (CFM)	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	E.A.T. (DB / WB) (°F)	L.A.T. (DB / WB) (°F)	INPUT (KW)	VOLTS / PHASE	MCA	MOCP							VOLTS / PHASE	MCA	MOCP			
FCU-1	2.5	742	30	21	80 / 67	55 / 54	6.50	208 / 1	1.0	-	48"x11"x15"	41.00	LG / LSU303	CU-1	30.00	105	208 / 1	23	30	38"x13"x33"	148	LG / LSN303

1. MAINTAIN MINIMUM CLEARANCES REQUIRED FOR SERVICE, MAINTENANCE, AND INSPECTION.
2. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
2. PROVIDE WITH NEMA-3 FUSED DISCONNECT FURNISHED BY ELECTRICAL CONTRACTOR.
3. FIELD COORDINATE CONDENSATE DRAIN ROUTE AND FURNISH WITH CONDENSATE PUMP AS NECESSARY.
4. PROVIDE WALL MOUNTED 7 DAY PROGRAMMABLE THERMOSTAT. MONITOR WITH BUILDING MANAGEMENT SYSTEM.
5. PROVIDE WITH LOW AMBIENT CONTROL.
6. PROVIDE MANUFACTURER'S HAIL AND VANDAL GUARD FOR CONDESER COIL PROTECTION.
7. PROVIDE WITH LOCKING MOUNT KIT, WINTER START KIT, LIQUID LINE SOLENOID KIT, ISOLATION RELAY, AND CRANKCASE HEATER, AND WIND BAFFLE. WIND BAFFLE ONLY APPLICABLE FOR ROOF MOUNTED CONDENSING UNITS.
8. REFER TO PLANS AND SPECIFICATIONS FOR INFORMATION REGARDING MOUNTING.
9. CONDENSING UNIT SHALL BE INVERTER DRIVEN.
10. PROVIDE WITH SINGLE POINT POWER CONNECTION. INDOOR UNIT WIRED FROM OUTDOOR UNIT.

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

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HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS — P. ADAM NEMATI — 102287 — LICENSED PROFESSIONAL ENGINEER — 02/11/2026

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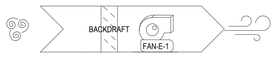
Contact: Sherri Myers
T: 972-245-5300

MECHANICAL SCHEDULES

MZ602

SCALE:

Project Name: ORG. #235 BAES Date:01/16/2026



EXHAUST FAN SEQUENCE OF OPERATION

RUN CONDITIONS - STANDALONE:
THE FAN SHALL RUN ANY TIME THE BUILDING IS SCHEDULED TO BE OCCUPIED

FAN STATUS:
THE CONTROLLER SHALL MONITOR THE FAN STATUS.
ALARMS SHALL BE PROVIDED AS FOLLOWS:
1. FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
2. FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.

3 FAN - EXHAUST

NONE

KITCHEN EXHAUST & MAKE-UP AIR POINTS LIST

EQUIPMENT ID	POINT ID	POINT DESCRIPTION	AO	AI	BO	BI	VI	SETPOINT	MAX	MIN	UNITS
MAKE-UP AIR UNIT	MAU-X-ST	MAKE-UP AIR UNIT RUN STATE				X					ON/OFF
EXHAUST AIR FAN	FAN-X-ST	KITCHEN EXHAUST FAN RUN STATE				X					ON/OFF

1. KITCHEN HOOD FAN.
1.1 KITCHEN HOOD SYSTEM TO HAVE STANDALONE CONTROLS. KITCHEN HOOD FANS TO BE HARDWIRED INTERLOCKED WITH MAKEUP AIR UNITS. KITCHEN HOOD FANS AND MAKEUP AIR UNITS TO BE MONITORED BY FMCS.

MISCELLANEOUS MEP EQUIPMENT POINTS LIST

EQUIPMENT ID	POINT ID	POINT DESCRIPTION	AO	AI	BO	BI	VI	SETPOINT	MAX	MIN	UNITS
CRAWLSPACE FAN	FAN-X-CMD	FAN START/STOP COMMAND			X						ON/OFF
	FAN-X-ST	FAN RUN STATE				X					ON/OFF
	FAN-X-ZN-RHM	ZONE RELATIVE HUMIDITY		X							% RH
	ZONE										
	FAN-X-ZN-DBT	ZONE DRY-BULB TEMPERATURE		X							°F
GENERAL EXHAUST AIR FAN	FAN-X-CMD	FAN START/STOP COMMAND			X						ON/OFF
	FAN-X-ST	FAN RUN STATE				X					ON/OFF
	ZONE										
	FAN-X-ZN-DBT	ZONE DRY-BULB TEMPERATURE		X							°F
KILN EXHAUST AIR FAN	FAN-X-ST	KILN EXHAUST FAN RUN STATE				X					ON/OFF
SUMP PUMP	SUMP-HLL	SUMP HIGH LEVEL LIMIT				X					YES/NO
	SUMP-ST	SUMP PUMP RUN STATE				X					ON/OFF

1. SUMP PUMP:
1.1. SUMP PUMPS TO BE MONITORED BY FMCS. THE FMCS TO GENERATE AN ALARM WHEN THE PUMP LOSES POWER, STOPS OPERATING, OR A SECONDARY FLOAT SWITCH IS ABOVE THE DESIGNATED LEVEL FOR 30 MINUTES.

2. AMBIENT CONDITIONS:
2.1. THE FMCS MONITORS THE AMBIENT CONDITIONS AT THE BUILDING. SENSORS TO BE LOCATED OUTSIDE THE BUILDING FOR NORTHERN EXPOSURE.

3. VARIABLE FREQUENCY DRIVES
3.1. THE FMCS TO INTERFACE AND MONITOR POINTS FROM VFDs. ACHIEVE INTERFACES VIA COMMUNICATION LINK. SHOW DATA ON ASSOCIATED UNITARY GRAPHIC. PROVIDE DASHBOARD WITH DAILY, WEEKLY, MONTHLY, AND YEARLY USAGE TOTALS FOR KWH AND RUNTIME.

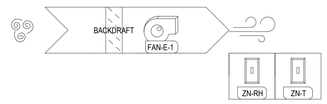
CONTROLS ABBREVIATIONS

DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION
LOGIC		**EQUIPMENT**	
ANALOG INPUT	AI	AIR TERMINAL UNIT	ATU
ANALOG OUTPUT	AO	AIR HANDLING UNIT	AHU
AUTOMATIC FAULT DETECTION & DIAGNOSTICS	AFDD	COOLING TOWER	CT
DIGITAL INPUT	DI	FAN COIL UNIT	FCU
DIGITAL OUTPUT	DO	HEATING WATER BOILER	HWB
DEMAND-CONTROLLED VENTILATION	DCV	INDOOR UNIT	IDU
FAULT	FLT	OUTDOOR UNIT	ODU
HAND-OFF-AUTO	HOA	PACKAGED WATER CHILLER	PWC
OPERATING STATE	OS	**COMPONENTS**	
PROPORTIONAL-INTEGRAL-DERIVATIVE	PID	COOLING COIL	CC
SETPOINT	STP	ELECTRONICALLY COMMUTATED MOTOR	ECM
TRIM AND RESPOND	T&R	ENERGY RECOVERY WHEEL	ERW
VIRTUAL INPUT	VI	FAN	FAN
VIRTUAL OUTPUT	VO	FILTER	FLTR
PARAMETERS		HEAT EXCHANGER	HX
BUILDING DIFFERENTIAL PRESSURE	BDP	HEATING COIL	HC
DEW-POINT TEMPERATURE	DPT	HOT-GAS REHEAT COIL	HGRHC
DIFFERENTIAL PRESSURE	DP	**DEVICES**	
DRY-BULB TEMPERATURE	DBT / T	CALIBRATED AIRFLOW MEASURING SYSTEM	CAFMS
DUCT STATIC PRESSURE	DSP	AIRFLOW MONITORING STATION	AFMS
ENTERING AIR DRY-BULB TEMPERATURE	EADB	BIPOLAR IONIZATION FILTER	BP
ENTERING AIR WET-BULB TEMPERATURE	EAWB	ULTRA VIOLET LIGHT	UVL
HUMIDITY RATIO	HR	DAMPER	DMP
LEAVING AIR DRY-BULB TEMPERATURE	LADB	FIRE/SMOKE DAMPER	FSD
LEAVING AIR WET-BULB TEMPERATURE	LAWB	FLOW METER	FM
LOCAL AMBIENT PRESSURE	STDP	SMOKE DETECTOR	SD
RELATIVE HUMIDITY	RH	VALVE	VLV
SPECIFIC ENTHALPY	ENTH	VARIABLE FREQUENCY DRIVE	VFD
SPECIFIC VOLUME	SPVOL	**OTHER**	
WET-BULB TEMPERATURE	WBT	COMMISSIONING AUTHORITY	CxA
TEMPERATURE	T	CONTROL	CTRL
SYSTEMS		EXTERIOR TEMPERATURE	EX
BUILDING AUTOMATION SYSTEM	BAS	FREEZE STAT	FZ
CHILLED WATER	CHW	MIXED	M
CHILLED WATER RETURN	CHWR	MULTIPLE-ZONE	MZ
CHILLED WATER SUPPLY	CHWS	ROOM	RM
CONDENSER WATER	CW	SENSOR	S
CONDENSER WATER RETURN	CWR	SINGLE-ZONE	SZ
CONDENSER WATER SUPPLY	CWS	TESTING, ADJUSTING, & BALANCING	TAB
DIRECT EXPANSION	DX	VARIABLE-AIR-VOLUME	VAV
DUAL DUCT	DD	ZONE	ZN
DUAL FAN DUAL DUCT	DFDD	FLOAT SWITCH	FS
HEATING WATER	HW	CARBON DIOXIDE	CO2
HEATING WATER RETURN	HWR		
HEATING WATER SUPPLY	HWS		
HEATING, VENTILATION, & AIR CONDITIONING	HVAC		
MIXED AIR	MA		
OUTDOOR AIR	OA		
RELIEF AIR	RF		
RETURN AIR	RA		
SUPPLY AIR	SA		
RELIEF AIR	RF		

CRAWLSPACE EXHAUST FAN SEQUENCE OF OPERATION

RUN CONDITIONS - SCHEDULED:
THE FAN SHALL RUN CONTINUOUSLY WHEN THE CRAWLSPACE DEWPOINT IS ABOVE 60°F (ADJ.) AND ABOVE AMBIENT DEWPOINT.

FAN STATUS:
THE CONTROLLER SHALL MONITOR THE FAN STATUS.
ALARMS SHALL BE PROVIDED AS FOLLOWS:
1. FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
2. FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.



2 CRAWLSPACE FAN CONTROL DIAGRAM

NONE

DESCRIPTION
1. SYSTEM CONSISTS OF A DIRECT EXPANSION (DX) COOLING SECTION, HOT GAS REHEAT SECTION, HEATING SECTION, RELIEF DAMPER SECTION, SUPPLY FAN SECTION AND AN OUTSIDE AIR DAMPER.
2. **SEQUENCES LISTED ARE FOR INDENTED MODES OF OPERATION, CONTROLS CONTRACTOR SHALL PROGRAM THE FOLLOWING SEQUENCE WITH ALGORITHMS AND VARIABLES AS LISTED IN ASHRAE GUIDELINE 36 'HIGH PERFORMANCE SEQUENCE OF OPERATION' OR WITH EQUIVALENT HIGH PERFORMANCE ALGORITHMS.**
3. **CONTRACTOR SHALL PROVIDE POINTS AS REQUIRED FOR HIGH PERFORMANCE SEQUENCE AND TO ACHIEVE SEQUENCE OF OPERATIONS LISTED BELOW WETHER LISTED IN THE POINTS LIST OR NOT.**
4. TEMPERATURE SENSORS FOR DX SINGLE ZONE RTU SERVING A CLASSROOM SHALL HAVE A BLANK FACE WITH OCCUPANCY OVERRIDE BUTTON.
5. TEMPERATURE SENSORS FOR DX RTU SERVING AREAS SUCH AS ADMINISTRATION, GYMS, AUDITORIUMS, CAFETERIAS, KITCHENS, CHOIR, DANCE AND BAND SHALL HAVE A BLANK FACE WITH OCCUPANCY OVERRIDE BUTTON.

MODES OF OPERATION
UNIT ENABLING/DISABLING
1. THE OCCUPIED/UNOCCUPIED MODE OF OPERATION SHALL BE DEFINED BY THE EMCS OPTIMUM START/STOP SCHEDULE.
2. DURING UNOCCUPIED TIMES, AS REQUIRED TO MAINTAIN THE UNOCCUPIED HEATING AND COOLING SETPOINTS 55°F (ADJ.) HEATING AND 85°F (ADJ.) COOLING AS SENSED BY THE SPACE TEMPERATURE SENSOR.
3. WHEN THE OVERRIDE PUSHBUTTON IS DEPRESSED, THE UNIT SHALL BE INDEXED TO THE OCCUPIED MODE FOR AN ADJUSTABLE PERIOD OF TIME (INITIALLY 1 HOUR). AFTER THE OVERRIDE TIME PERIOD HAS EXPIRED, THE UNIT SHALL REVERT BACK TO THE UNOCCUPIED MODE

FAN CONTROL
1. FAN SPEED SHALL BE CONTROLLED BY THE UNIT'S INTERNAL CONTROLS. IF UNIT REQUIRES FAN SPEED TO BE CONTROLLED BY EXTERNAL SOURCE, CONTRACTOR TO PROVIDE EVERYTHING NECESSARY TO ACHIEVE FAN CONTROL AS NOTED BELOW.
   a. FAN SHALL RUN IN LOW SPEED DURING FIRST STAGE HEATING OR COOLING AS SET BY TAB.
   b. FAN SHALL RUN IN HIGH SPEED DURING SECOND STAGE HEATING OR COOLING AS SET BY TAB.

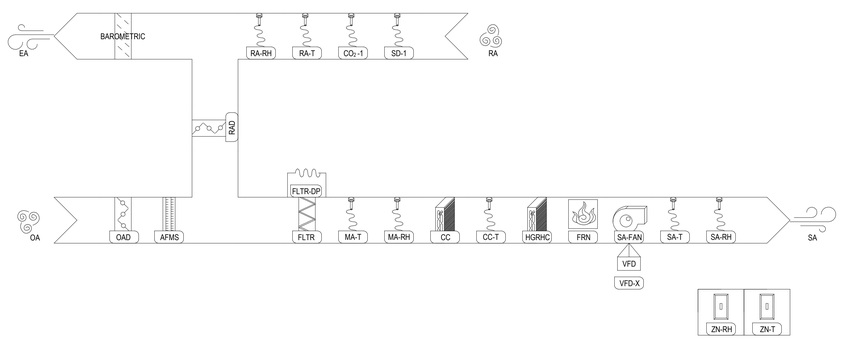
OUTSIDE AIR DAMPER CONTROL
1. WARM-UP OR COOL-DOWN:
   a. THE OUTSIDE AIR DAMPER SHALL BE CLOSED.
2. OCCUPIED MODE:
   a. EMCS SHALL MONITOR THE CO2 LEVEL IN THE SPACE:
      - WHEN CO2 LEVELS ARE BELOW 1100 PPM (ADJ.), THE OUTSIDE AIR DAMPER SHALL BE AT THE MINIMUM POSITION (ADJ.) AS SET BY TAB. REFERENCE SCHEDULED CFM.
      - WHEN CO2 LEVELS ARE ABOVE 1200 PPM (ADJ.), THE OUTSIDE AIR DAMPER SHALL BE AT THE MAXIMUM POSITION (ADJ.) AS SET BY TAB. REFERENCE SCHEDULED CFM.
3. UNOCCUPIED MODE
   a. THE OUTSIDE AIR DAMPER SHALL BE CLOSED.

TEMPERATURE CONTROL
1. WARM-UP OR COOL-DOWN:
   a. THE EMCS SHALL DETERMINE THE REQUIRED WARM-UP OR COOL-DOWN PERIOD BASED ON THE OPTIMIZED START ALGORITHM.
   b. UPON ENABLING THE UNIT, THE UNIT SHALL HEAT AND COOL AS REQUIRED TO MAINTAIN THE OCCUPIED HEATING AND COOLING SETPOINTS (INITIALLY 70°F HEATING, 74°F COOLING) AS SENSED BY A SPACE TEMPERATURE SENSOR.
   c. ONCE THE OCCUPIED SETPOINT TEMPERATURE HAS BEEN REACHED, THE EMCS SHALL SWITCH THE UNIT TO THE OCCUPIED MODE.
2. OCCUPIED MODE:
   a. SPACE SET POINT SHALL BE USER ADJUSTABLE WITHIN ±2°F (ADJ.).
   b. IN THE OCCUPIED MODE OF OPERATION, THE UNIT SUPPLY FAN SHALL CYCLE WITH A CALL FOR HEATING OR COOLING.
   c. THE UNIT SHALL HEAT AND COOL AS REQUIRED TO MAINTAIN THE OCCUPIED HEATING AND COOLING SETPOINTS (INITIALLY 70°F HEATING, 74°F COOLING) AS SENSED BY A SPACE TEMPERATURE SENSOR.
   d. WHEN SPACE TEMPERATURE RISES ABOVE OCCUPIED COOLING SETPOINT, THE DDC CONTROLLER SHALL ENERGIZE THE FIRST STAGE OF MECHANICAL COOLING. WHEN SPACE TEMPERATURE CONTINUES TO RISE 2°F (ADJ.) ABOVE OCCUPIED COOLING SETPOINT, THE DDC CONTROLLER SHALL ENERGIZE THE SECOND STAGE OF MECHANICAL COOLING.
      - FIRST STAGE COOLING – LOW SPEED SUPPLY CFM AND FIRST STAGE OF COMPRESSOR(S)
      - SECOND STAGE COOLING – HIGH SPEED SUPPLY CFM AND SECOND STAGE OF COMPRESSOR(S)
   e. UNIT SHALL RUN IN SECOND STAGE COOLING UNTIL SPACE TEMPERATURE DROPS TO OCCUPIED SPACE COOLING SETPOINT. UNIT SHALL THEN RUN IN FIRST STAGE OF COOLING UNTIL SPACE TEMPERATURE DROPS 1°F (ADJ.) BELOW SPACE TEMPERATURE SETPOINT AND THEN CYCLE OFF.
   f. WHEN SPACE TEMPERATURE DROPS BELOW OCCUPIED HEATING SETPOINT, THE DDC CONTROLLER SHALL ENERGIZE THE FIRST STAGE OF HEATING. WHEN SPACE TEMPERATURE CONTINUES TO DROP 2°F (ADJ.) BELOW OCCUPIED HEATING SETPOINT, THE DDC CONTROLLER SHALL ENERGIZE THE SECOND STAGE OF HEATING.
      - FIRST STAGE HEATING – LOW SPEED SUPPLY CFM AND FIRST STAGE OF HEATING.
      - SECOND STAGE HEATING – HIGH SPEED SUPPLY CFM AND SECOND STAGE OF HEATING.
   g. UNIT SHALL RUN IN SECOND STAGE HEATING UNTIL SPACE TEMPERATURE RISES TO OCCUPIED SPACE HEATING SETPOINT. UNIT SHALL THEN RUN IN FIRST STAGE HEATING UNTIL SPACE TEMPERATURE RISES 1°F (ADJ.) ABOVE SPACE TEMPERATURE SETPOINT AND THEN CYCLE OFF.
3. UNOCCUPIED MODE:
   - THE EMCS SHALL ENABLE THE UNIT AS REQUIRED TO MAINTAIN THE UNOCCUPIED HEATING AND COOLING SETPOINTS (INITIALLY 55°F HEATING AND 85°F COOLING) AS SENSED BY THE SPACE TERMPERATURE SENSOR.
   - WHEN OVERRIDE BUTTON IS PUSHED, THE UNIT SHALL INDEX TO OCCUPIED MODE FOR ONE (1) HOUR (ADJ.). AFTER THE OVERRIDE TIME HAS EXPIRED, THE UNIT SHALL REVERT TO UNOCCUPIED MODE.

DRY BULB ECONOMIZER MODE
1. IN OCCUPIED OR UNOCCUPIED MODE, WHEN SPACE TEMPERATURE IS ABOVE SPACE SETPOINT, OUTSIDE AIR TEMPERATURE IS 60°F (ADJ.) OR BELOW AND THERE IS A CALL FOR COOLING, THE UNIT SHALL BE IN ECONOMIZER MODE. OUTSIDE AIR DAMPER IS TO OPEN 100% AND TO PROVIDE FREE COOLING TO THE SPACE UNTIL THE SPACE TEMPERATURE SETPOINT IS SATISFIED. IF SPACE IS NOT SATISFIED WITHIN 10 MIN (ADJ.), MECHANICAL COOLING WILL BE ENABLED.
2. UNITS EQUIPPED WITH A POWERED EXHAUST FAN, THE FAN IS TO BE ENABLED ANY TIME THE UNIT IS IN ECONOMIZER MODE.
3. ALL SENSORS NECESSARY FOR ECONOMIZER MODE OPERATION AND FDD SHALL BE PROVIDED AND FULLY CONTROLLED BY EMCS CONTRACTOR.

FAULT DETECTION AND DIAGNOSTICS (FDD) (UTILIZE WHEN ECONOMIZER EXEMPTION CANNOT BE TAKEN)
1. EACH DX ROOFTOP UNIT SHALL HAVE ITS ECONOMIZER STATUS MONITORED BY THE EMCS. THE UNIT'S FAULT DETECTION AND DIAGNOSTICS SHALL BE CAPABLE OF GENERATING A VISIBLE ALARM TO BE SEEN BY THE EMCS SHOULD THE UNIT BE IN ECONOMIZER WHEN CONDITIONS ARE NOT MET, OR VICE VERSA.

HOT-GAS REHEAT COIL
1. WHEN IN OCCUPIED MODE:
   a. THE HOT-GAS REHEAT VALVE SHALL MODULATE (HGR-V-CTRL) TO MAINTIAN THE SUPPLY AIR TEMPERATURE (SA-T) SETPOINT.
2. WHEN IN UNOCCUPIED MODE:
   a. THE HOT-GAS REHEAT VALVE SHALL BE CLOSED.



PACKAGED ROOFTOP UNIT POINTS LIST

GROUP	POINT ID	POINT DESCRIPTION	AO	AI	BO	BI	VI	SETPOINT	MAX	MIN	UNITS
GLOBAL	SITE-OA-T	OUTDOOR AIR DRY-BULB TEMPERATURE		X							°F
	SITE-OA-RH	OUTDOOR AIR RELATIVE HUMIDITY		X							% RH
	SITE-OA-CO2	OUTDOOR AIR CARBON DIOXIDE CONCENTRATION		X							PPM
	BLDG-OCC-MOD	OCCUPANCY MODE				X					OCC/UNOCC
OUTDOOR AIR DAMPER	RTU-X-OAD-VFR	OUTDOOR AIR VOLUMETRIC FLOW RATE		X							CFM
	RTU-X-OAD-CTRL	OUTDOOR AIR DAMPER POSITION CONTROL	X								% OPEN
	RTU-X-OAD-POS	OUTDOOR AIR DAMPER POSITION STATUS		X							% OPEN
MIXED AIR FILTER BANK	RTU-X-MAFB-HPL	MIXED AIR FILTER BANK HIGH DIFFERENTIAL PRESSURE LIMIT		X				1 IN W.C.			% OF MAX
MIXED AIR	RTU-X-MA-T	MIXED AIR DRY-BULB TEMPERATURE		X							°F
	RTU-X-MA-RH	MIXED AIR RELATIVE HUMIDITY		X							% RH
RETURN AIR	RTU-X-RA-T	RETURN AIR DRY-BULB TEMPERATURE		X							°F
	RTU-X-RA-RH	RETURN AIR RELATIVE HUMIDITY		X							% RH
	RTU-X-RA-CO2	RETURN AIR CARBON DIOXIDE CONCENTRATION		X							PPM
	RTU-X-RA-SMK	RETURN AIR SMOKE DETECTION STATE				X					YES/NO
SUPPLY AIR	RTU-X-SA-T	SUPPLY AIR DRY-BULB TEMPERATURE		X							°F
	RTU-X-SA-RH	SUPPLY AIR RELATIVE HUMIDITY		X							% RH
SUPPLY AIR FAN	RTU-X-SAF-VFR	SUPPLY AIR FAN VOLUMETRIC FLOW RATE		X							CFM
	RTU-X-SAF-CTR	SUPPLY AIR FAN SPEED CONTROL	X								HZ
	RTU-X-SAF-SPD	SUPPLY AIR FAN SPEED STATUS		X							% MAX
	RTU-X-SAF-AMP	SUPPLY AIR FAN ELECTRICAL CURRENT DRAW		X							A
	RTU-X-SAF-KWH	SUPPLY AIR FAN ENERGY USE					X				KWH
	RTU-X-SAF-FLT	SUPPLY AIR FAN FAULT STATE				X					YES/NO
	RTU-X-SAF-ST	SUPPLY AIR FAN RUN STATE				X					ON/OFF
	RTU-X-SAF-RUN	SUPPLY AIR FAN RUN-TIME					X				HR
COMPRESSOR	RTU-X-CMP-CMD	REFRIGERANT COMPRESSOR START/STOP COMMAND (EACH STAGE)			X						ON/OFF
	RTU-X-CMP-ST	REFRIGERANT COMPRESSOR RUN STATE				X					ON/OFF
	RTU-X-CMP-ST	REFRIGERANT COMPRESSOR ALARM				X					YES/NO
FURNACE	RTU-X-FRN-CMD	HEATING START/STOP COMMAND			X						ON/OFF
ZONE	RTU-X-ZN-T	ZONE INDOOR AIR DRY-BULB TEMPERATURE		X							°F
	RTU-X-ZN-CO2	ZONE CARBON DIOXIDE CONCENTRATION		X							PPM
HOT GAS REHEAT	RTU-X-HGRHC-CMD	HOT GAS REHEAT OUTPUT	X								% | ON/OFF
	RTU-X-HGRHC-T	HOT GAS REHEAT SETPOINT	X					72 | 50			°F | % RH

1 RTU WITH HOT GAS REHEAT

NONE

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS · KRISTOPHER MCGRAW · 102287 · LICENSED ARCHITECT · 05/11/2026

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Written dimensions on these drawings shall have precedence over scale dimensions. Contractors shall be responsible for all dimensions and conditions on the job. HarrisonKornberg Architects, LLC must be notified of any variation from the dimension and conditions shown by these drawings.

ISSUES & REVISIONS

No.	Date	Revision
1	02/22/2026	IFP

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

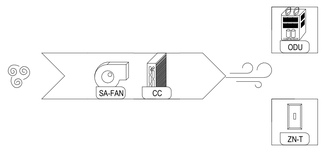
PROJECT CODE
31.00430

MECHANICAL CONTROLS

MZ801

SCALE: NONE

Project Name: ORG. #235 BAES Date:01/16/2026



TYPICAL SPLIT SYSTEM SEQUENCE OF OPERATION

RUN CONDITIONS - CONTINUOUS:
THE UNIT SHALL RUN CONTINUOUSLY AND SHALL MAINTAIN:
- 75 °F (ADJ.) COOLING SETPOINT
- 70 °F (ADJ.) HEATING SETPOINT
- 50% RELATIVE HUMIDITY (ADJ.) SETPOINT

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH ZONE TEMP. IF THE ZONE TEMPERATURE IS GREATER THAN THE COOLING SETPOINT FOR 10 MINUTES (ADJ.).

ZONE SETPOINT ADJUST:
THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE HEATING AND COOLING SETPOINTS AT THE ZONE SENSOR AS WELL AS THE BUILDING MANAGEMENT SYSTEM.

EMERGENCY SHUTDOWN:
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING AN EMERGENCY SHUTDOWN SIGNAL.

ZONE TEMPERATURE CONTROL
THE THERMOSTAT AND HUMIDISTAT SHALL CONTROL SPLIT SYSTEM TO MAINTAIN SETPOINT.

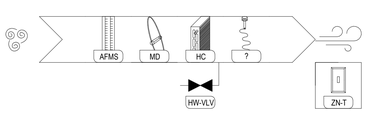
2 DX FCU MINI SPLIT CONTROL DIAGRAM

12" = 1'-0"

TYPICAL SPLIT SYSTEM POINTS LIST

EQUIPMENT ID	POINT ID	POINT DESCRIPTION	AO	AI	BO	BI	VI	SETPOINT	TREND	ALARM	UNITS
	SS-X-T	SPACE TEMPERATURE		X				72	X	X	F

1. SEPARATE THERMOSTAT IN ROOM FOR MONITORING ONLY.



DESCRIPTION
1. SYSTEM CONSISTS OF A DAMPER, AIRFLOW MONITORING STAITON, TEMPERATURE SENSOR AS PART OF A MUTLIZONE SYSTEM.
2. **SEQUENCES LISTED ARE FOR INDENTED MODES OF OPERATION, CONTROLS CONTRACTOR SHALL PROGRAM THE FOLLOWING SEQUENCE WITH ALGORITHMS AND VARIABLES AS LISTED IN ASHRAE GUIDELINE 36 'HIGH PERFORMANCE SEQUENCE OF OPERATION' OR WITH EQUIVALENT HIGH PERFORMANCE ALGORITHMS.**
3. **CONTRACTOR SHALL PROVIDE POINTS AS REQUIRED FOR HIGH PERFORMANCE SEQUENCE AND TO ACHIEVE SEQUENCE OF OPERATIONS LISTED BELOW WETHER LISTED IN THE POINTS LIST OR NOT.**
4. THE VARIABLE AIR VOLUME (VAV) TERMINAL UNIT WITH HOT WATER REHEAT SHALL SERVE INTENDED SPACES. THE CONTROL SYSTEM CONTRACTOR SHALL PROVIDE A DEDICATED STAND-ALONE DDC CONTROLLER FOR EACH UNIT.

MODES OF OPERATION
UNIT ENABLING/DISABLING
1. THE OCCUPIED/UNOCCUPIED MODE OF OPERATION SHALL BE DEFINED BY THE EMCS SCHEDULE.
2. DURING UNOCCUPIED TIMES, AS REQUIRED TO MAINTAIN THE UNOCCUPIED HEATING AND COOLING SETPOINTS 55°F (ADJ.) HEATING AND 85°F (ADJ.) COOLING AS SENSED BY THE SPACE TEMPERATURE SENSOR.

TEMPERATURE CONTROL
1. WARM-UP OR COOL-DOWN:
   a. THE EMCS SHALL DETERMINE THE REQUIRED WARM-UP OR COOL-DOWN PERIOD BASED ON THE OPTIMIZED START ALGORITHM.
   b. UPON ENABLING THE UNIT, THE UNIT SHALL HEAT AND COOL AS REQUIRED TO MAINTAIN THE OCCUPIED HEATING AND COOLING SETPOINTS (INITIALLY 70°F HEATING, 74°F COOLING) AS SENSED BY A SPACE TEMPERATURE SENSOR.
   c. DURING WARM-UP, THE VAV BOX SHALL MODULATE TO MAX HEATING CFM AND THE HOT WATER VALVE SHALL BE CLOSED. ONCE THE OCCUPIED SETPOINT TEMPERATURE THRESHOLD HAS BEEN REACHED, THE EMCS SHALL SWITCH THE VAV BOX TO THE OCCUPIED MODE.
   d. DURING COOL-DOWN, THE VAV BOX SHALL MODULATE TO MAX COOLING CFM AND THE HOT WATER VALVE SHALL BE CLOSED. ONCE THE OCCUPIED SETPOINT TEMPERATURE THRESHOLD HAS BEEN REACHED, THE EMCS SHALL SWITCH THE VAV BOX TO THE OCCUPIED MODE.

1. OCCUPIED MODE:
   a. THE UNIT SHALL HEAT AND COOL AS REQUIRED TO MAINTAIN THE OCCUPIED HEATING AND COOLING SETPOINTS (INITIALLY 70°F HEATING, 74°F COOLING) AS SENSED BY A SPACE TEMPERATURE SENSOR.
   b. ON A RISE IN SPACE TEMPERATURE, THE UNIT WILL MODULATE TO PROVIDE MAX COOLING CFM. AS SPACE TEMPERATURE DECREASES, THE BOX WILL MODULATE DOWN TO ITS MINIMUM COOLING CFM. AS THE SPACE TEMPERATURE CONTINUES TO FALL TO BELOW THE SPACES HEATING SET POINT, THE VAV TERMINAL SHALL MODULATE ITS HEATING MINIMUM HEATING CFM. AT THIS POINT, THE HOT WATER VALVE WILL MODULATE TO MAINTAIN HEATING LEAVING AIR TEMPERATURE SETPOINT OF 90°F (ADJ.). THE VAV BOX SHALL MODULATE CFM TO MAINTAIN SPACE TEMPERATURE SETPOINT.
   c. THE UNIT SHALL NOT ENTER HEATING MODE UNLESS OUTSIDE AIR TEMPERATURE IS BELOW 60° F (ADJ.).

1. UNOCCUPIED MODE:
   a. THE VAV BOX SHALL MODULATE CFM AND HOT WATER VALVE AS NEEDED TO MAINTAIN UNOCCUPIED SPACE TEMPERATURE SETPOINTS.

DEMAND CONTROL VENTILATION
1. WHEN CO2 MONITOR EXCEEDS 800 PPM, INCREASE ZONE AIRFLOW BY 10% (ADJ.) EVERY 5 MINUTES UNTIL CO2 LEVEL FALLS BELOW 800 PPM. REHEAT CONTROL VALVE SHALL MODULATE AS NECESSARY TO MEET SPACE TEMPERATURE SETPOINT. IF VAV BOX REACHES MAXIMUM AIRFLOW AND CO2 VALUE STILL EXCEEDS 800 PPM, REFER TO AHU SEQUENCE FOR OUTDOOR AIR CONTROL.

AIR TERMINAL UNIT POINTS LIST

EQUIPMENT ID	POINT ID	POINT DESCRIPTION	AO	AI	BO	BI	VI	SETPOINT	MAX	MIN	UNITS
PRIMARY AIR	ATU-X-PA-VFR	PRIMARY AIR VOLUMETRIC FLOW RATE		X							CFM
SUPPLY AIR	ATU-X-SA-T	SUPPLY AIR DRY-BULB TEMPERATURE		X							°F
PRIMARY AIR DAMPER	ATU-X-PAD-CTR	PRIMARY AIR DAMPER POSITION CONTROL	X								% OPEN
	ATU-X-PAD-POS	PRIMARY AIR DAMPER POSITION STATUS		X							% OPEN
ELECTRIC REHEAT COIL	ATU-X-EH-CTR	ELECTRIC HEATING	X								% OF MAX
ZONE	ATU-X-ZN-T	ZONE INDOOR AIR DRY-BULB TEMPERATURE		X							°F

1 VAV BOX WITH REHEAT

NONE

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
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HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS — P. ADAM NEMATI — 102287 — LICENSED PROFESSIONAL ENGINEER — 02/11/2026

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ISSUES & REVISIONS

No.	Date	Revision
1	02/22/2026	IFP

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Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

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JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
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PROJECT CODE
31.00430

MECHANICAL CONTROLS

MZ802

SCALE: 12" = 1'-0"

Project Name: ORG. #235 BAES Date:01/16/2026

WIRING DEVICE MOUNTING

MOUNTING HEIGHTS - UNLESS NOTED OTHERWISE ON PLANS

SWITCHES	48" AFF TO TOP OF SWITCH	
RECEPTACLES	FINISHED AREAS:	18" AFF TO BOTTOM OF RECEPTACLE
	UNFINISHED AREAS:	48" AFF TO TOP OF RECEPTACLE
	WATER COOLERS:	DIRECTLY BEHIND COOLER
	ABOVE COUNTER:	6" ABOVE COUNTER OR BACKSPLASH
DATA/TELEPHONE	FINISHED AREAS:	18" AFF TO BOTTOM OF OUTLET
	UNFINISHED AREAS:	48" AFF TO TOP OF OUTLET
	ABOVE COUNTER:	6" ABOVE COUNTER OR BACKSPLASH
	WALL MOUNTED:	48" AFF TO TOP OF OUTLET

FIXTURE MODIFIERS

X X X X X

32	MOUNT +32" AFF
36	MOUNT +36" AFF
48	MOUNT +48" AFF
60	MOUNT +60" AFF
72	MOUNT +72" AFF
A	MOUNT +6" ABOVE COUNTER TOP
B	MOUNT 6" BELOW COUNTER TOP
C	MOUNT ON CEILING
DR	DRYER - PROVIDE NEMA 14-30R RECEPTACLE. NOT CONTROLLED.
DS	DISPOSAL - MOUNT INSIDE CABINET IN SPACE BENEATH SINK. PROVIDE SWITCH TO CONTROL DISPOSAL ON WALL OF UNDER-SINK CABINET. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT ELEVATION. NOT CONTROLLED.
DW	DISHWASHER - MOUNT INSIDE CABINET IN SPACE BENEATH SINK. PROVIDE 2" DIAMETER HOLE IN WALL BETWEEN UNDER-SINK SPACE AND DISHWASHER SPACE TO FEET DISHWASHER CORD. NOT CONTROLLED.
E	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER - PROVIDE DEDICATED GFCI RATED NEMA 5-20 RECEPTACLE ON INSIDE PLUMBIN CHASE BEHIND FOUNTAIN. PROVIDE REMOTE TEST BUTTON. NOT CONTROLLED.
IG	ISOLATED GROUND
IM	ICE MAKER - REFER TO ARCHITECTURAL DRAWINGS FOR EXACT ELEVATION. NOT CONTROLLED.
IT	TECHNOLOGY RACK RECEPTACLE - PROVIDE DEDICATED NEMA L5-20R RECEPTACLE WITH ISOLATED GROUND, MOUNTED ON LADDER RACK ABOVE IT RACK. NOT CONTROLLED.
KN	KILN RECEPTACLE - PROVIDE NEMA 6-50R RECEPTACLE. NOT CONTRLLED.
M	MICROWAVE - MOUNT +6" ABOVE COUNTER TOP. NOT CONTROLLED.
N62	NEMA 6-20 RECEPTACLE
N63	NEMA 6-30 RECEPTACLE
N145	NEMA 14-50 RECEPTACLE
N155	NEMA 15-50 RECEPTACLE
PR	POWER REEL - MOUNT AT CEILING. PROVIDE AND INSTALL NEMA 5-20R RECPTACLE AND OVERHEAD REEL. BASIS OF DESIGN - HBL35123GF220. NOT CONTROLLED.
R	REFRIGERATOR - MOUNT +48"AFF. PROVIDE REMOTE TEST BUTTON. NOT CONTROLLED.
RE	RANGE: ELECTRIC - PROVIDE GFCI RATED NEMA 14-50R RECEPTACLE AND DEDICATED 50A GFCI RATED BREAKER. NOT CONTROLLED.
RG	RANGE: GAS - PROVIDE GFCI RATED NEMA 5-15R RECEPTACLE AND DEDICTED 20A BREAKER. NOT CONTROLLED.
RU	REFRIGERATOR - MOUNT UNDER COUNTER. NOT CONTROLLED.
TV	TV - MOUNT +72"AFF UNLESS NOTED OTHERWISE. PROVIDE RECESSED RECEPTACLE WITH ISOLATED GROUND EQUAL TO HUBBELL RR1514. NOT CONTROLLED.
WM	WASHING MACHINE - PROVIDE DEDICATED GFCI RATED NEMA 5-20R RECEPTACLE. NOT CONTROLLED.
WP	WEATHERPROOF - PROVIDE WEATHERPROOF PROTECTIVE BOX

NOTES: NOT ALL OF THE RECEPTACLE TYPES ON THIS LIST ARE USED IN THIS PROJECT.

ABBREVIATIONS

A	AMPERE(S)
AC	ALTERNATING CURRENT
ACT	ABOVE COUNTER TOP
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY (SYMMETRICAL ROOT MEAN SQUARE)
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
AWG	AMERICAN WIRE GAGE
BFC	BELOW FINISHED CEILING
BLDG	BUILDING
C	CONDUIT
CB	CURCUIT BREAKER
CLG	CEILING
DWG	DRAWING
ECB	ENCLOSED CIRCUIT BREAKER
EF	EXHAUST FAN
EGS	ENGINE-GENERATOR SET
EMERG	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EX	EXISTING
F	FUSE OR FUSIBLE
FAAP	FIRE ALARM ANNUCIATOR PANEL
FACP	FIRE ALARM PANEL
FLA	FULL LOAD CURRENT
FMC	FLEXIBLE METAL CONDUIT
FSS	FUSIBLE SAFETY SWITCH
FT	FOOT OR FEET
FVNR	FULL-VOLTAGE, NON- REVERSING
FVR	FULL-VOLTAGE, REVERSING
G, GND	GROUND
GFI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT CIRCUIT PROTECTION
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
IG	ISOLATED GROUND
KCMIL	THOUSANDS OF CIRCULAR MILS
KV	KILOVOLTS
KVA	KILOVOLT-AMPERE(S)
KVAR	KILOVOLT-AMPERE(S) REACTIVE
KW	KILOWATT(S)
LSI	LONG-TIME, SHORT-TIME-INSTANTANEOUS
LSIG	LONG-TIME, SHORT-TIME-INSTANTANEOUS, GROUND FAULT
LTFMC	LIQUID-TIGHT FLEXIBLE METAL CONDUIT
LTG	LIGHTING
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG	MOUNTING
N	NEUTRAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NF	NON-FUSED OR NON-FUSIBLE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NFSS	NON-FUSIBLE SAFETY SWTICH
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
P	POLE(S)
PA	PUBLIC ADDRESS
PH	PHASE
PNLBD	PANELBOARD
PVC	POLYVINYL CHLORIDE
PWR	POWER
REC	RECEPTICAL(S)
REQD	REQUIRED
RGS	RIGID GALVANIZED STEEL
RTU	ROOF TOP UNIT
RVSS	REDUCED VOLTAGE, SOLID-STATE
SW	SWTCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TA	TIP AMPERES
TAS	TEXAS ACCESSIBILITY STANDARDS
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UL	UL SOLUTIONS
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT(S) OR VOLTAGE
VA	VOLT-AMPERE(S)
VFD	VARIABLE FREQUENCY DRIVE
W	WATT(S) OR WATTAGE
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
XFMR	TRANSFORMER

ELECTRICAL GENERAL NOTES

1. ELECTRICAL WORK SHALL BE PERFORMED BY LICENSED ELECTRICAL CONTRACTOR. WIRING, EQUIPMENT, DEVICES, AND INSTALLATIONS SHALL CONFORM TO APPLICABLE LOCAL, STATE, AND FEDERAL CODES.
2. PROVIDE WIRING, CONDUIT, LABOR, AND MATERIALS NECESSARY FOR COMPLETE AND PROPER OPERATION OF ELECTRICAL SYSTEMS, EVEN WHEN NOT SHOWN EXPLICITLY ON DOCUMENTS.
3. PAY FEES AND PERMITS AS NECESSARY TO COMPLETE PROJECT. PROVIDE LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO ENSURE COMPLETE WORKING SYSTEMS.
4. ELECTRICAL WORK SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF NFPA 70 (NATIONAL ELECTRICAL CODE), NFPA 70B, NFPA 70E, IECC, ASHRAE 90.1, OSHA, AND OTHER REFERENCES REQUIRED BY CONTRACT.
5. INSTALLATION OF SWITCHES, OUTLETS AND CONTROL DEVICES SHALL COMPLY WITH LOCAL CODES, AMERICANS WITH DISABILITIES ACT, AND TEXAS ACCESSIBILITY STANDARDS.
6. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR LOCATION OF MECHANICAL AND PLUMBING EQUIPMENT. PROVIDE LABOR AND MATERIALS REQUIRED TO CONNECT ELECTRICAL POWER TO MECHANICAL AND PLUMBING EQUIPMENT.
7. ELECTRICAL EQUIPMENT, DEVICES, AND CIRCUITS SHALL CONTAIN EQUIPMENT GROUNDING CONDUCTOR. RACEWAY SYSTEM SHALL NOT BE USED AS SOLE GROUNDING PATH. GROUNDING SHALL BE IN COMPLIANCE WITH ARTICLE 250 OF NATIONAL ELECTRICAL CODE.
8. PANELBOARDS, TRANSFORMERS, SAFETY SWITCHES AND OTHER ELECTRICAL DEVICES AND EQUIPMENT SHALL HAVE ENGRAVED NAMEPLATES INDICATING EQUIPMENT IDENTIFICATION TAG, VOLTAGE, AND WHERE ITEM IS FED FROM. SWITCHBOARDS AND PANELBOARDS SHALL HAVE TYPED DIRECTORIES INDICATING FEEDER AND BRANCH CIRCUIT FEEDERS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
9. PROVIDE CLEARANCES, DEDICATED ELECTRICAL SPACES, AND WORKING SPACES AROUND AND ABOVE ELECTRICAL EQUIPMENT AND DEVICES AS REQUIRED BY NATIONAL ELECTRICAL CODE.
10. AMPERE INTERRUPTING CAPACITY OF ELECTRICAL ITEMS SHALL BE GREATER THAN MAXIMUM AVAILABLE SHORT CIRCUIT CURRENT. PROVIDE NAMEPLATE ON SERVICE EQUIPMENT INDICATING CALCULATED AVAILABLE FAULT CURRENT AND DATE OF CALCULATION PER NEC 110.24.
11. FLEXIBLE CONDUIT SHALL BE USED ONLY FOR FINAL CONNECTION TO LIGHTING FIXTURES AND VIBRATING EQUIPMENT (MAXIMUM LENGTH 72 INCHES).
12. ELECTRICAL WIRING SHALL BE INSTALLED IN RACEWAY, WIREWAY, OR OTHER PROTECTIVE COVER AS REQUIRED PER NATIONAL ELECTRICAL CODE.
13. CONDUCTORS IN UNINSULATED CEILING SPACE AND OUTDOORS SHALL BE DERATED USING 122-DEGREE FAHRENHEIT TEMPERATURE. REVISE CONDUCTOR SIZES BASED ON CONDUIT RATING.
14. OUTDOOR EQUIPMENT SHALL BE WEATHER PROTECTED, NEMA 3R, UNLESS OTHERWISE INDICATED.
15. PROVIDE FIRE PROOFING FOR PIPES OR CONDUITS THAT PENETRATE THROUGH FIRE/SMOKE RATED FLOORS, WALLS, CEILINGS, ROOFS, OR RUNS INSIDE CHASES. FIRE PROOFING METHODS AND MATERIALS SHALL BE AS REQUIRED TO MAINTAIN FIRE/SMOKE RATING OF PARTITION.
16. IF PROTECTIVE DEVICE RATING IS MARKED ON APPLIANCE OR EQUIPMENT, BRANCH-CIRCUIT OVERCURRENT DEVICE RATING SHALL NOT EXCEED THIS RATING.
17. SWITCHES SHALL BE MINIMUM 3 INCHES FROM DOOR TRIM WHEN LOCATED AT ENTRANCE TO ROOMS. OCCUPANCY SENSORS SHALL BE PASSIVE INFRARED AND ULTRASONIC TECHNOLOGY.
18. COORDINATE WITH OTHER DISCIPLINES' DRAWINGS AND SPECIFICATIONS.
19. SYMBOLS FOR VARIOUS ELEMENTS AND SYSTEMS ARE SHOWN ON DRAWINGS. SHOULD THERE BE DOUBT REGARDING MEANING OR INTENT OF SYMBOLS USED, INTERPRETATION SHALL BE OBTAINED FROM ARCHITECT OR ENGINEER IN WRITING.
20. WHERE CONFLICTS OCCUR BETWEEN DIFFERENT PARTS OF DOCUMENTS, GREATER QUANTITY, BETTER QUALITY, OR LARGER SIZE SHALL PREVAIL UNLESS OTHERWISE APPROVED IN WRITING BY ARCHITECT OR ENGINEER.
21. EMPTY CONDUITS SHALL CONTAIN NYLON PULL STRING FOR FUTURE CONDUCTOR PULLS.
22. FLOOR BOXES SHOWN ON PLANS ARE DIAGRAMMATIC. COORDINATE EXACT LOCATIONS WITH OWNER AND ARCHITECT BEFORE INSTALLATION. AVOID STRUCTURAL ELEMENTS AND OTHER SYSTEMS.
23. PROVIDE CONDUIT EXPANSION FITTINGS WHERE CONDUIT RUNS CROSS BUILDING EXPANSION JOINTS. REFER TO ARCHITECTURAL AND STRUCTURAL DOCUMENTS FOR EXPANSION JOINT LOCATIONS.
24. CIRCUIT BREAKER PANELBOARDS RATED 400A AND BELOW AND HAVING MORE THAN 10 PERCENT OF THEIR BREAKERS PROTECTING LIGHTING AND APPLIANCE BRANCH CIRCUITS SHALL BE FILLED WITH 1P20A SPARE BREAKERS, EVEN IF NOT INDICATED IN PANELBOARD SCHEDULES.
25. UNLESS OTHERWISE NOTED, CONCEALED AND EXPOSED EXTERIOR RACEWAY SHALL BE RIGID METAL CONDUIT, UNDERGROUND RACEWAY SHALL BE SCHEDULE-40 RIGID POLYVINYL CHLORIDE CONDUIT, AND EXTERIOR CONNECTION TO VIBRATING EQUIPMENT SHALL BE LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT.
26. UNLESS OTHERWISE NOTED, CONCEALED AND EXPOSED INTERIOR RACEWAY SHALL BE ELECTRICAL METALLIC TUBING; EXPOSED INTERIOR RACEWAY IN LOADING DOCK AREAS AND IN AREAS USED FOR TRAFFIC OF MECHANIZED CARTS, FORKLIFTS, AND PALLET-HANDLING UNITS AND IN MECHANICAL ROOMS AND IN GYMNASIUMS SHALL BE RIGID METAL CONDUIT; INTERIOR RACEWAY CONNECTION TO VIBRATING EQUIPMENT SHALL BE FLEXIBLE METALLIC CONDUIT; INTERIOR RACEWAY IN DAMP OR WET LOCATIONS SHALL BE RIGID METAL CONDUIT; AND INTERIOR RACEWAY CONNECTION TO VIBRATING EQUIPMENT IN DAMP OR WET LOCATIONS SHALL BE LIQUIDTIGT FLEXIBLE METALLIC CONDUIT.
27. MINIMUM RACEWAY SIZE SHALL BE 3/4-INCH.
28. RACEWAY RUNS SHALL BE CONSOLIDATED AND INSTALLED TIGHT TO STRUCTURE WHERE POSSIBLE.
29. FOR UNDERGROUND ELECTRICAL RUNS OR CMU WALLS, CREATE SHOP DRAWINGS SHOWING CONDUIT PATHWAYS BEFORE CONSTRUCTION. NO SURFACE MOUNTED CONDUIT WILL BE PERMITTED ON CMU UNLESS APPROVED BY ARCHITECT OR ENGINEER.
30. COORDINATE WITH LOW VOLTAGE CONTRACTOR FOR EXACT LOW VOLTAGE RACEWAY REQUIREMENTS.
31. BID EQUIPMENT IN SCHEDULES AS BASIS OF DESIGN. ALTERNATE EQUIPMENT BY ACCEPTABLE MANUFACTURERS MEETING PERFORMANCE REQUIREMENTS MAY BE REVIEWED BY DESIGN TEAM AND OWNER.

LIGHTING GENERAL NOTES

1. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. LOCATIONS AND QUANTITIES OF SENSORS SHOWN ARE DIAGRAMMATIC. CONTRACTOR SHALL PROVIDE ADDITIONAL SENSORS AND LOCATE SENSORS AS NEEDED FOR COMPLETE COVERAGE OF EACH SPACE.
3. ALL LIGHT FIXTURES IN MECHANICAL ROOMS SHALL BE COORDINATED WITH MECHANICAL EQUIPMENT AND DUCTWORK. CONTRACTOR SHALL LAY OUT LIGHT FIXTURES SO AS TO NOT INTERFERE WITH EQUIPMENT.
4. ALL EXIT SIGNS SHALL NOT BE SWITCHED. EXIT SIGNS SHALL BE CONTROLLED BY CIRCUIT BREAKER ONLY. EXIT SIGNS SHALL BE RED LETTERED AS INDICATED ON LIGHTING FIXTURE SCHEDULE.
5. UNO, VACANCY SHALL BE THE DEFAULT MODE ON ALL DUAL TECHNOLOGY OCUPANCY SENSORS.
6. ALL SENSOR/COVERAGE REQUIREMENTS SHALL BE CONFIRMED WITH LIGHTING MANUFACTURER PRIOR TO ORDERING.
7. ALL FINISHES PERTAINING TO LIGHTING CONTROL DEVICES AND FIXTURES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO ORDERING.
8. ALL MOUNTING HEIGHT OF FIXTURES AND DEVICES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO ROUGH-IN.
9. ALL LIGHT FIXTURES SHALL BE PROVIDED WITH A LENS.
10. ALL EMERGENCY LIGHT FIXTURES AND EXIT SIGNS SHALL BE PROVIDED WITH AN UNSWITCHED HOT LEG. UNSWITCHED HOT LEG SHALL BE CONNECTED TO THE NORMAL POWER SENSING LUG ON THE BATTERY PACK.
11. ALL JUNCTION BOXES, LIGHTING CONTROL DEVICES, SWITCHES, LIGHT FIXTURES SHALL BE LABELED.
12. REFER TO LIGHTING CONTROLS SCHEDULE ON SHEET EZ601 FOR MORE INFORMATION AND REQUIREMENTS.
13. UNO, ALL LIGHT FIXTURES SHALL INCLUDE INTEGRAL DUAL TECHNOLOGY OCCUPANCY SENSORS.

ELECTRICAL LEGEND

LIGHT FIXTURES

- X — ILLUMINATED EXIT SIGN (X = ISOLINE TYPE PER LIGHTING SCHEDULE)

LIGHTING CONTROL DEVICES

- $ — SINGLE WAY SWITCH
- $3 — THREE WAY SWITCH
- $D — DIMMER SWITCH
- $OS — OCCUPANCY SENSING SWITCH
- OS — CEILING OCCUPANCY SENSOR
- OS — WALL OCCUPANCY SENSOR
- PC — PHOTOCELL

POWER DEVICES

- J — JUNCTION BOX
- DISCONNECT SAFETY SWITCH
- SPD — SURGE PROTECTIVE DEVICE

PANELBOARDS / TRANSFORMERS

- PANELBOARD
- T — TRANSFORMER

RECEPTACLES

- DUPLEX RECEPTACLE
- QUADPLEX RECEPTACLE
- SPECIAL RATED RECEPTACLE
- G.F.I. RECEPTACLE
- CONTROL RECEPTACLE

ELECTRICAL WIRING

- BRANCH CIRCUIT WIRING (REFER TO PLANS FOR ROUTING)
- XX-## — CIRCUIT HOME RUN ("XX" = PANEL DESIGNATION, "##" = BRANCH CIRCUIT NUMBER)

VOLTAGE DROP ADJUSTMENTS

FOR 120V/20A BRANCH CIRCUITS

CIRCUIT LENGTH LESS THAN OR EQUAL TO 60 FEET:
2#12, 1#12G, 3/4"C

CIRCUIT LENGTH GREATER THAN 60 FEET AND LESS THAN OR EQUAL TO 105 FEET:
2#10, 1#10G, 3/4"C

CIRCUIT LENGTH GREATER THAN 105 FEET AND LESS THAN OR EQUAL TO 160 FEET:
2#8, 1#8G, 3/4"C

CIRCUIT LENGTH GREATER THAN 160 FEET AND LESS THAN OR EQUAL TO 245 FEET:
2#6, 1#6G, 3/4"C

FOR 277V/20A BRANCH CIRCUITS

CIRCUIT LENGTH LESS THAN OR EQUAL TO 145 FEET:
2#12, 1#12G, 3/4"C

CIRCUIT LENGTH GREATER THAN 145 FEET AND LESS THAN OR EQUAL TO 245 FEET:
2#10, 1#10G, 3/4"C

CIRCUIT LENGTH GREATER THAN 245 FEET AND LESS THAN OR EQUAL TO 370 FEET:
2#8, 1#8G, 3/4"C

CIRCUIT LENGTH GREATER THAN 245 FEET AND LESS THAN OR EQUAL TO 245 FEET:
2#10, 1#10G, 3/4"C

CIRCUIT LENGTH GREATER THAN 370 FEET AND LESS THAN OR EQUAL TO 570 FEET:
2#6, 1#6G, 3/4"C

NOTE:
PROVIDE ADAPTOR AT CONNECTION POINT TO CONVERT WIRE SIZE AS REQUIRED TO MAKE TERMINATION AT DEVICE OR EQUIPMENT.

Permit Issue

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ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX. 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS — P. ADAM NEMATI — 102287 — LICENSED PROFESSIONAL ENGINEER — 01/12/2026

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Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

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T: 972-887-5566

Food Service Design:
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Contact: Sherri Myers
T: 972-245-5300

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

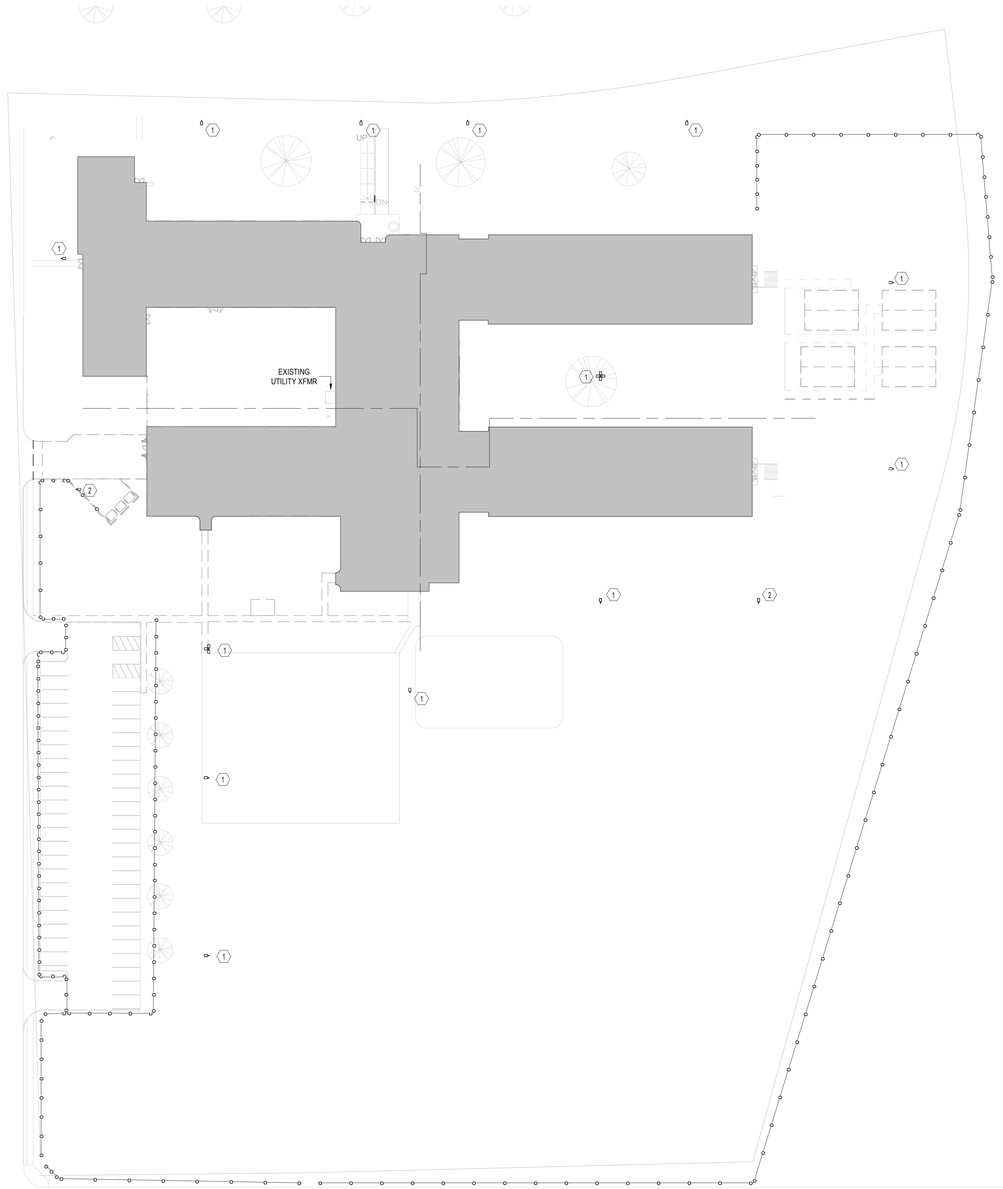
PROJECT CODE
31.00430

ELECTRICAL GENERAL NOTES AND LEGEND

E-001

SCALE: 12" = 1'-0"

Project Name: ORG. #235 BAES Date:01/16/2026



1 ELECTRICAL DEMO SITE PLAN
1" = 40'-0"

PLAN NOTES

A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING.

B. COORDINATE WITH OWNER PRIOR TO DISPOSAL OF ANY REMOVED ITEMS FOR RETURN OR SALVAGE.

C. ALL FIXTURES/EQUIPMENT EXISTING TO REMAIN SHALL BE PROTECTED FROM DAMAGE. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE INCURRED.

D. REFER TO MECHANICAL SHEETS FOR MECHANICAL DEMOLITION SCOPE. ALL EXISTING ASSOCIATED ELECTRICAL EQUIPMENT PERTAINING TO DEMOLISHED MECHANICAL EQUIPMENT SHALL BE DEMOLISHED UNLESS NOTED OTHERWISE. EXISTING ASSOCIATED CONDUCTORS AND CONDUIT SHALL BE DEMOLISHED BACK TO SOURCE UNLESS NOTED OTHERWISE.

NOTES BY SYMBOL (#)

1. EXISTING POLE AND BASE TO REMAIN. ASSOCIATED CONDUCTORS AND CONDUIT SHALL BE RETAINED.

2. EXISTING POLE AND BASE SHALL REMOVED. EXISTING ASSOCIATED CONDUCTORS AND CONDUIT SHALL BE DEMOLISHED BACK TO LAST ACTIVE JBOX. EXISTING LIGHTING CIRCUIT IS TO REMAIN ACTIVE.

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
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STATE OF TEXAS — ADAM NEMATI — 102287 — LICENSED — PROFESSIONAL ENGINEER — 02/11/2026

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Contact: Ovi Sipos
T: 214-623-5872

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T: 972-878-7648

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Contact: Dylan Akers
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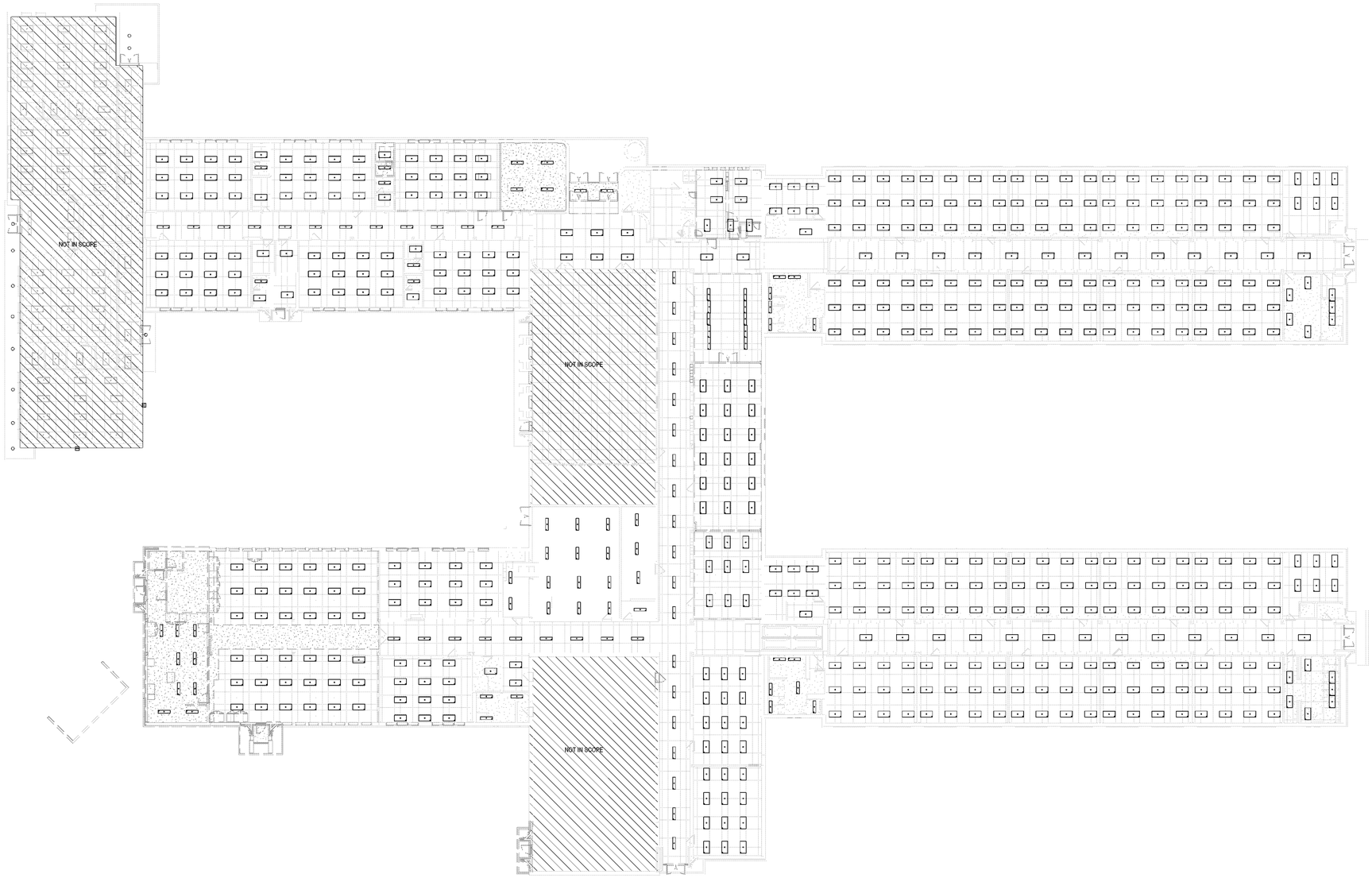
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

ELECTRICAL DEMO SITE PLAN

E-002

SCALE: 1" = 40'-0"

Project Name: ORG. #235 BAES Date:01/16/2026



1 ELECTRICAL DEMO LIGHTING OVERALL PLAN - LEVEL 1

1/16" = 1'-0"

PLAN NOTES

A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING.

B. COORDINATE WITH OWNER PRIOR TO DISPOSAL OF ANY REMOVED ITEMS FOR RETURN OR SALVAGE.

C. ALL FIXTURES/EQUIPMENT EXISTING TO REMAIN SHALL BE PROTECTED FROM DAMAGE. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE INCURRED.

D. REFER TO MECHANICAL SHEETS FOR MECHANICAL, PLUMBING, ARCHITECTURAL, AND ALL OTHER TRADES DEMOLITION SCOPE. ALL EXISTING ASSOCIATED ELECTRICAL EQUIPMENT PERTAINING TO DEMOLISHED MECHANICAL EQUIPMENT SHALL BE DEMOLISHED UNLESS NOTED OTHERWISE. EXISTING ASSOCIATED CONDUCTORS AND CONDUIT SHALL BE DEMOLISHED BACK TO SOURCE UNLESS NOTED OTHERWISE.

E. VERIFY AND DE-ENERGIZE ALL BRANCH CIRCUITS BEING AFFECTED BY THE DEMOLITION SCOPE.

F. NO STRUCTURAL MEMBERS SHALL BE CUT DRILLED OR MODIFIED WITHOUT THE APPROVAL OF THE ENGINEER.

G. DRAWINGS HAVE BEEN CREATED FROM AS-BUILTS AND FIELD SURVEY OF AVAILABLE DATA BELONGING TO THE OWNER. THE CONTRACT DOCUMENTS CREATED BY THIS OFFICE ARE DIAGRAMMATIC AND SHOW THE INTENTION OF THIS FACILITY TO RENOVATE AND INSTALL NEW EQUIPMENT AND ASSOCIATED MATERIALS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITION PRIOR TO BID.

H. COORDINATE WITH OWNER PRIOR TO DISPOSAL OF ANY REMOVED ITEMS FOR RETURN OR SALVAGE.

I. ALL FIXTURES/EQUIPMENT EXISTING TO REMAIN SHALL BE PROTECTED FROM DAMAGE. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE INCURRED.

J. ANY CIRCUITS FOUND TO BE ABANDONED SHALL BE DEMOLISHED BACK TO SOURCE. CONTRACTOR SHALL UPDATE PANEL SCHEDULE CARD ACCORDINGLY.

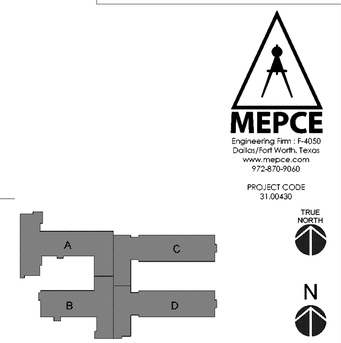
K. FOR ALL EQUIPMENT AND DEVICES SHOW TO BE DEMOLISHED, EXISTING ASSOCIATED CONDUCTORS AND CONDUIT SHALL BE DEMOLISHED BACK TO SOURCE.

L. UNO, FOR ALL DEMOLISHED INTERIOR LIGHT FIXTURES, EXISTING CONDUCTORS AND CONDUIT FROM EXISTING PANEL TO LAST ACTIVE JUNCTION BOX SHALL BE RETAINED. EXISTING CONDUCTORS AND CONDUIT FROM LAST ACTIVE JUNCTION BOX TO DEMOLISHED LIGHT FIXTURE SHALL BE DEMOLISHED. ALL EXISTING ASSOCIATED LIGHTING CONTROLS DEVICES AND WIRING SHALL BE DEMOLISHED. WHERE POSSIBLE, EXISTING LIGHTING CONTROLS CONDUIT SHALL BE RETAINED.

M. UNO, FOR ALL DEMOLISHED EXTERIOR LIGHT FIXTURES, EXISTING CONDUCTORS AND CONDUIT SHALL BE RETAINED.

N. EXISTING LIGHTING CONTROLS TO BE DEMOLISHED IN RENOVATED SPACES.

O. ANY MULTIWIRE BRANCH CIRCUITS IDENTIFIED AS EXISTING TO REMAIN SHALL BE IDENTIFIED FOR PROVIDING DEDICATED NEUTRALS OR COMMON HANDLE-TIED/DISCONNECT AS REQUIRED PER NEC.



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MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-7040

PROJECT CODE
31.00430

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
5830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX. 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS
P. ADAM NEMATI
102287
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PROFESSIONAL ENGINEER
02/11/2026

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No.	Date	Revision
1	02/22/2026	IFP

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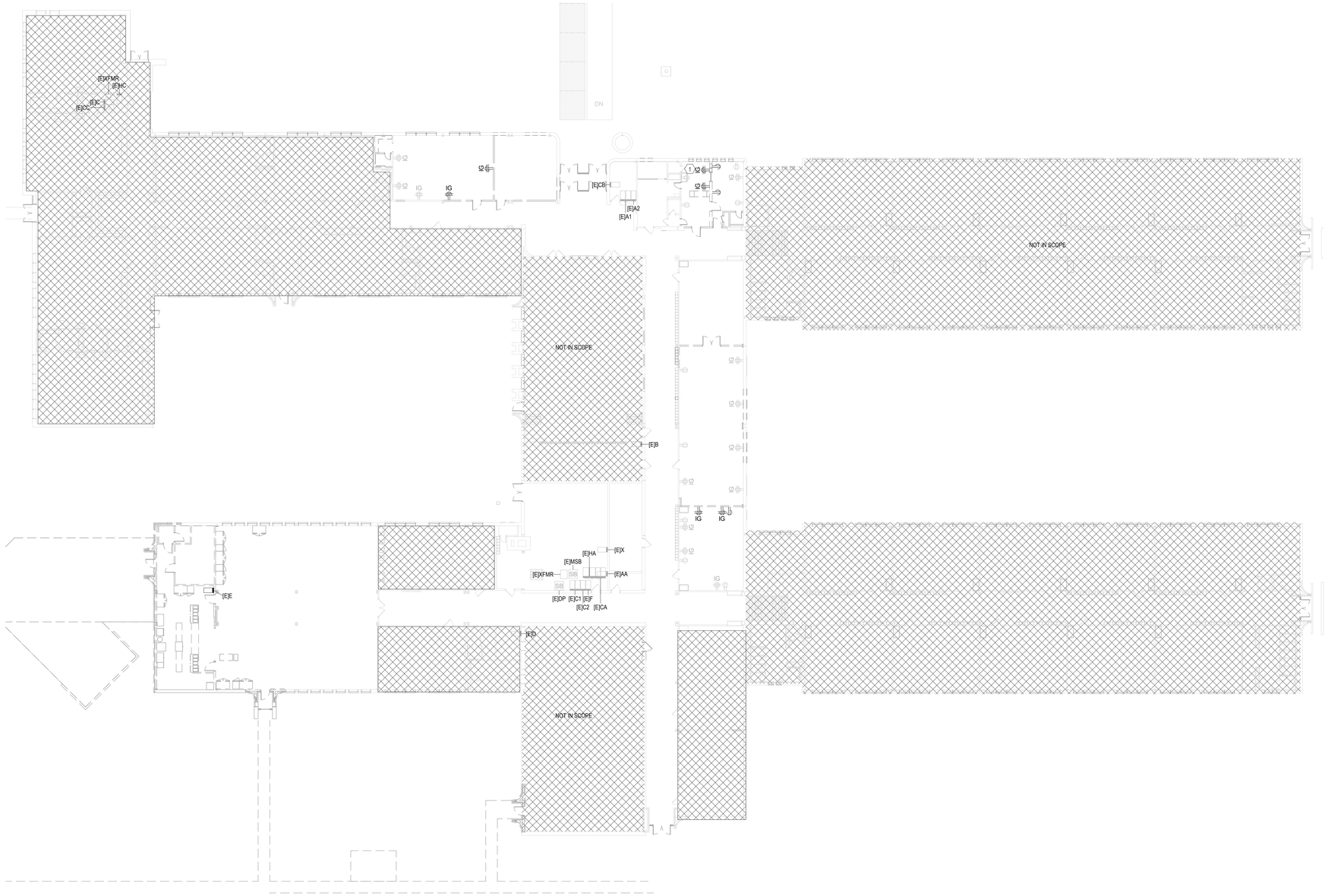
ELECTRICAL DEMO LIGHTING OVERALL PLAN - LEVEL 1

EDL100

SCALE: As indicated

Project Name: ORG. #235 BAES Date:01/16/2026



1 ELECTRICAL DEMO POWER OVERALL PLAN - LEVEL 1

1/16" = 1'-0"

PLAN NOTES

A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING.

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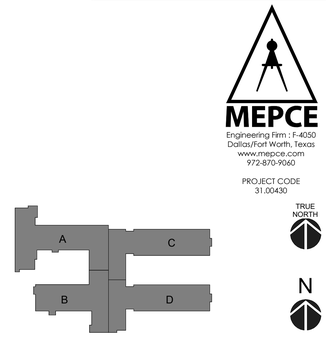
L. FOR ALL EQUIPMENT AND DEVICES SHOW TO BE DEMOLISHED, EXISTING ASSOCIATED CONDUCTORS AND CONDUIT SHALL BE DEMOLISHED BACK TO SOURCE.

NOTES BY SYMBOL (#)

1. EXISTING FIRE ALARM CONTROL PANEL TO BE CAPPED AND EXTENDED TO NEW FACP LOCATION.



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Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

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ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

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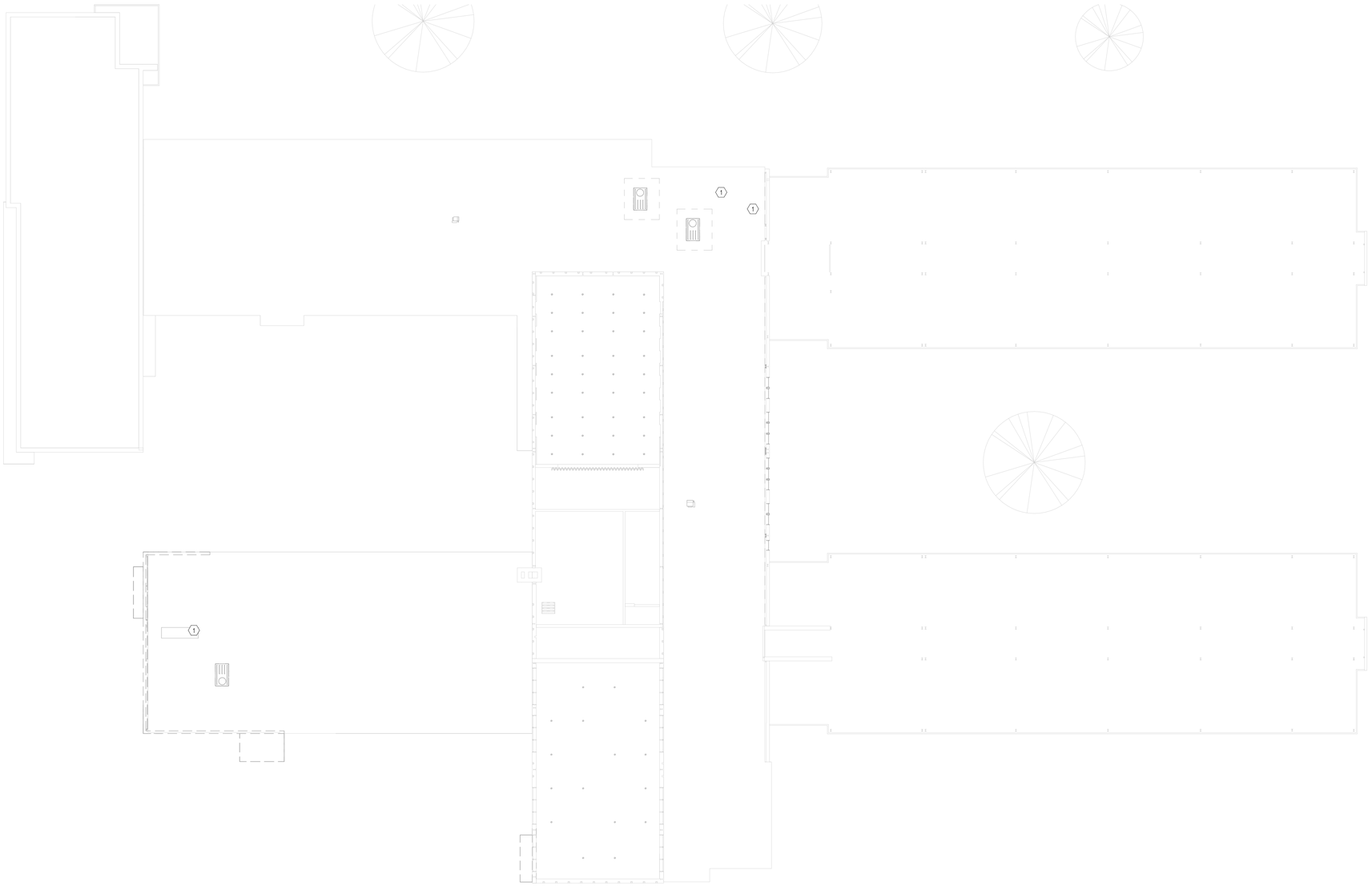
ELECTRICAL DEMO POWER OVERALL PLAN - LEVEL 1

EDP100

SCALE: As indicated

Project Name: ORG. #235 BAES Date:01/16/2026



1 ELECTRICAL DEMO POWER OVERALL PLAN - ROOF

1/16" = 1'-0"

PLAN NOTES

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L. FOR ALL EQUIPMENT AND DEVICES SHOW TO BE DEMOLISHED, EXISTING ASSOCIATED CONDUCTORS AND CONDUIT SHALL BE DEMOLISHED BACK TO SOURCE.

NOTES BY SYMBOL (#)

1. FOR DEMOLISHED MECHANICAL EQUIPMENT, CONTRACTOR SHALL FIELD TRACE EXISTING CONDUCTORS BACK TO EXISTING PANEL AND MAKE NOTE OF EXISTING CIRCUIT FOR FUTURE REUSE FOR NEW EQUIPMENT.

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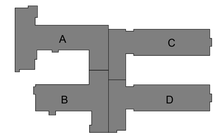
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430



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ORG #235 - Birdie Alexander Elementary School
DALLAS ISD

1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS

100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS
P. ADAM NEMATI
102287
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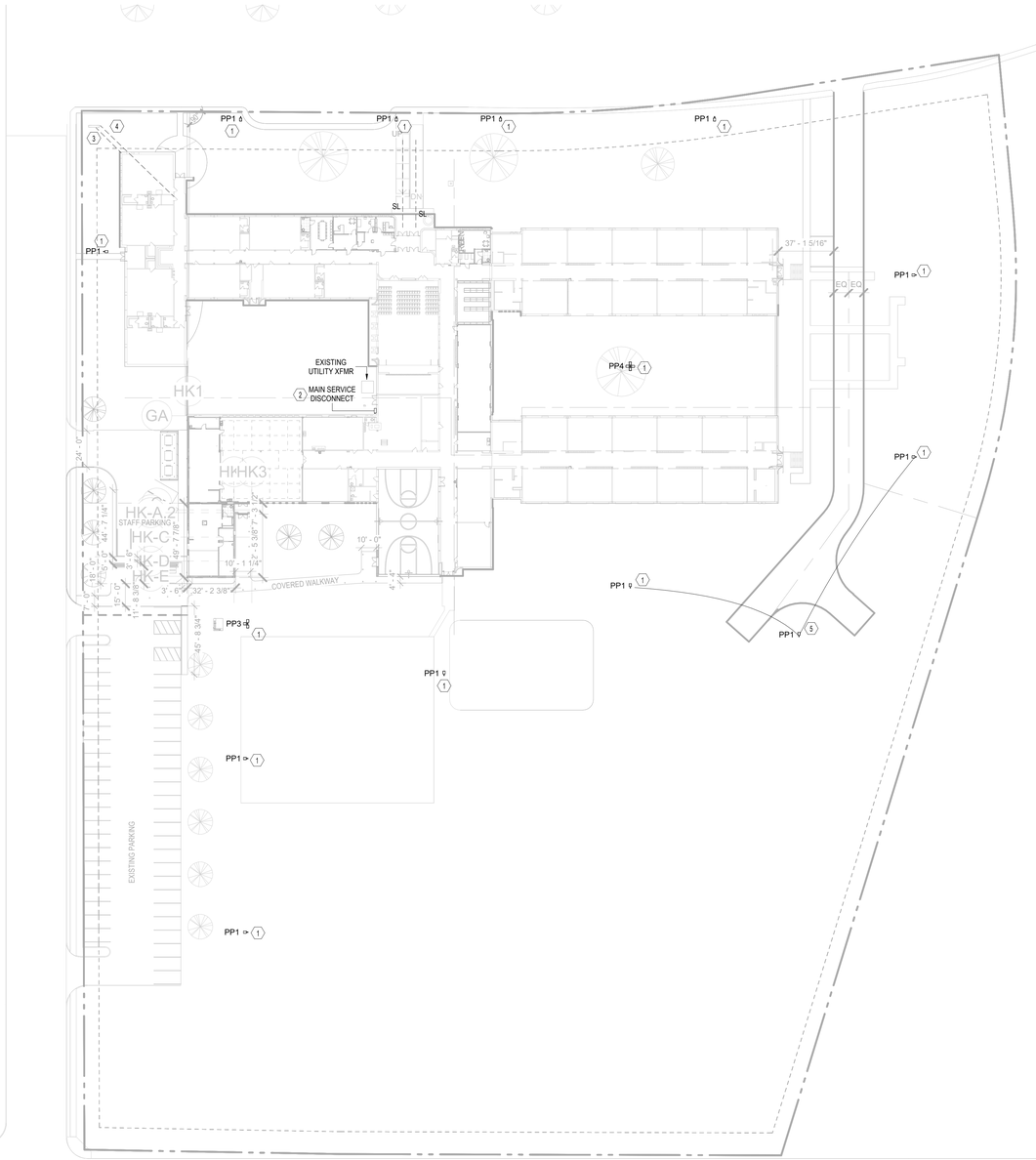
ELECTRICAL DEMO POWER OVERALL PLAN - ROOF

EDP105

SCALE: As indicated

Project Name: ORG. #235 BAES Date:01/16/2026



1 ELECTRICAL LIGHTING RENO SITE PLAN

1" = 40'-0"

PLAN NOTES

A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING.

B. COORDINATE WITH OWNER PRIOR TO DISPOSAL OF ANY REMOVED ITEMS FOR RETURN OR SALVAGE.

C. ALL FIXTURES/EQUIPMENT EXISTING TO REMAIN SHALL BE PROTECTED FROM DAMAGE. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE INCURRED.

D. REFER TO MECHANICAL SHEETS FOR MECHANICAL DEMOLITION SCOPE. ALL EXISTING ASSOCIATED ELECTRICAL EQUIPMENT PERTAINING TO DEMOLISHED MECHANICAL EQUIPMENT SHALL BE DEMOLISHED UNLESS NOTED OTHERWISE. EXISTING ASSOCIATED CONDUCTORS AND CONDUIT SHALL BE DEMOLISHED BACK TO SOURCE UNLESS NOTED OTHERWISE.

NOTES BY SYMBOL (#)

1. PROVIDE NEW LED HEAD(S) AS SHOWN ON PLANS. COORDINATE FINISH WITH ARCHITECT. PROVIDE POLE ADAPTERS AS REQUIRED TO ACCOMODATE NEW LED HEADS. CONTRACTOR SHALL FIELD VERIFY ANY MODIFICATIONS REQUIRED TO POLES PRIOR TO ORDERING FIXTURES. CONNECT NEW LIGHT FIXTURE TO EXISTING CIRCUIT. REUSE EXISTING RETAINED CONDUCTORS AND CONDUIT. PROVIDE NEW CONDUCTORS AND CONDUIT FOR FINAL CONNECTION TO NEW LIGHT FIXTURE AS NEEDED.
2. PROVIDE NEW MAIN SERVICE FUSED DISCONNECT. REFER TO ELECTRICAL RISER DIAGRAM FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. PROPOSED CONDUIT PATHWAY FOR FIBER FOR (1) MARQUEE SIGN. PROVIDE (1) 1-1/2" CONDUITS. REFER TO TECHNOLOGY DRAWINGS FOR FIBER REQUIREMENTS.
4. PROPOSED CONDUIT PATHWAY FOR POWER FOR (1) MARQUEE SIGN. PROVIDE (1) 1-1/2" CONDUITS. UTILIZE 2# 12,1#12N,1#12G AND CONNECT TO EXISTING SPARE 20A/1P BREAKER FROM PANELBOARD C OR CC LOCATED IN ELEC 107.
5. PROVIDE NEW LED HEAD(S) AND BASE POLE AS SHOWN ON PLANS. COORDINATE FINISH WITH ARCHITECT. PROVIDE POLE ADAPTERS AS REQUIRED TO ACCOMODATE NEW LED HEADS. EXTEND EXISTING CONDUCTORS AND CONDUIT TO NEW LIGHT FIXTURE LOCATION. PROVIDE NEW CONDUCTORS AND CONDUIT FOR FINAL CONNECTION TO NEW LIGHT FIXTURE AS NEEDED.

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

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DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

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100 Glass St.
Dallas, TX 75207
p. 713-229-0688
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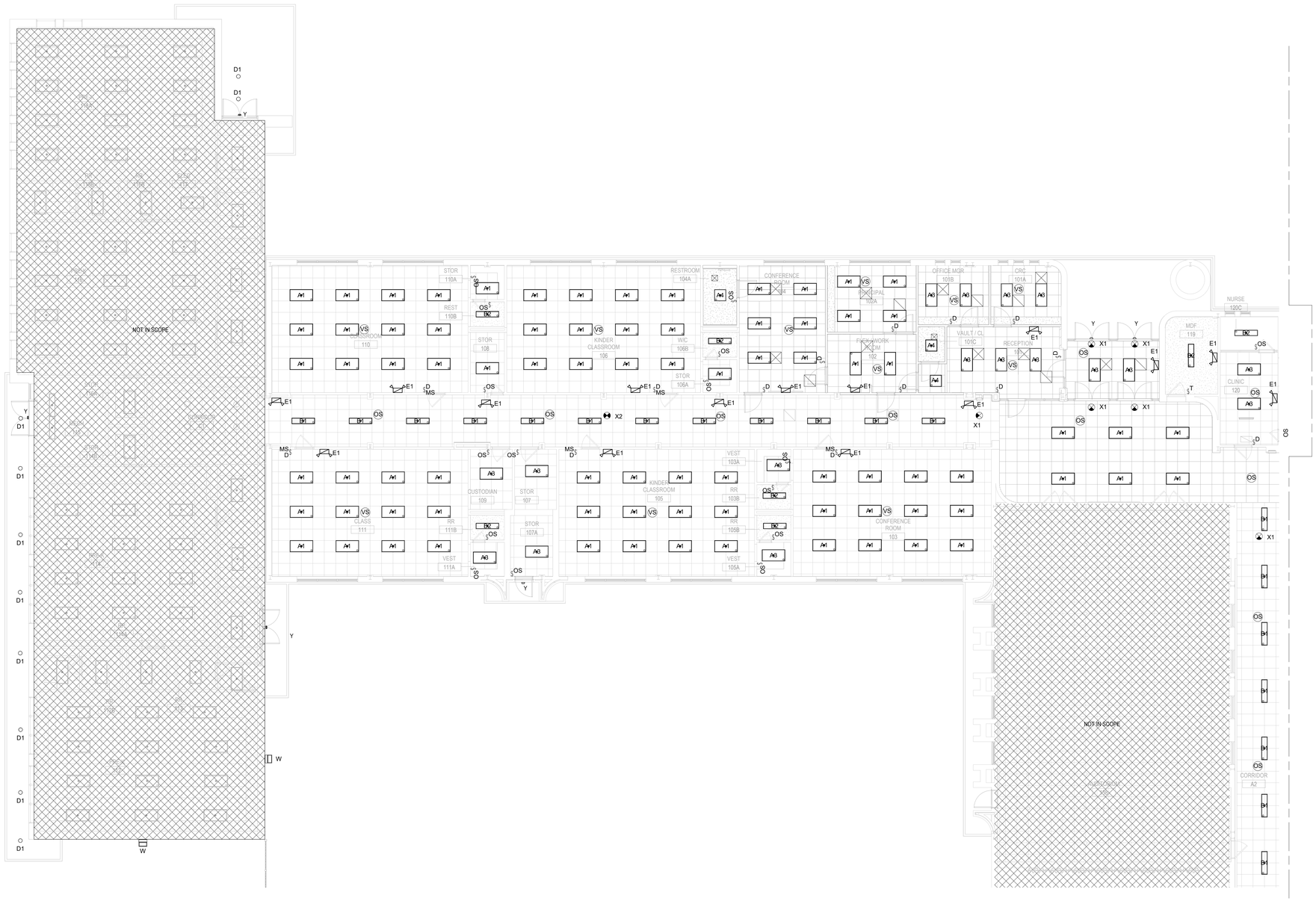
ELECTRICAL SITE PLAN

E-003

SCALE: As indicated

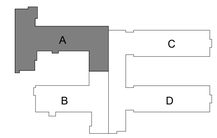


1 ELECTRICAL LIGHTING PLAN - LEVEL 1 AREA A

1/8" = 1'-0"

PRIMARY DAYLIGHT ZONE
PROVIDE DAYLIGHT SENSORS AS NEEDED

SECONDARY DAYLIGHT ZONE
PROVIDE DAYLIGHT SENSORS AS NEEDED



TRUE NORTH

N

PLAN NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

B. ALL MOUNTING HEIGHTS OF FIXTURES AND DEVICES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN.

C. REFER TO LIGHTING CONTROLS SCHEDULE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

D. UNO, FOR NEW INTERIOR LIGHT FIXTURES, CONNECT TO EXISTING CIRCUITS. REUSE EXISTING RETAINED CONDUCTORS AND CONDUIT FROM EXISTING PANEL TO LAST ACTIVE JUNCTION BOX. PROVIDE NEW CONDUCTORS AND CONDUIT FROM LAST ACTIVE JUNCTION BOX TO NEW LIGHT FIXTURE. PROVIDE DEDICATED NEUTRALS FOR ANY MULTIWIRE BRANCH CIRCUITS.

E. UNO, FOR NEW EXTERIOR LIGHT FIXTURES, CONNECT TO EXISTING CIRCUITS. REUSE EXISTING RETAINED CONDUCTORS AND CONDUIT. PROVIDE NEW CONDUCTORS AND CONDUIT AS NEEDED FOR FINAL CONNECTION TO NEW LIGHT FIXTURE.

F. WHERE POSSIBLE, REUSE EXISTING RETAINED LIGHTING CONTROLS CONDUIT AND BACKBOXES.

G. NEW LIGHTING CONTROLS SWITCH LOCATION TO MATCH EXISTING LAYOUT. FIELD COORINATE FINAL LIGHT SWITCH LOCATION.

H. NEW LIGHT FIXTURES LOCATION TO BE FIELD ADJUSTED TO AVOID DUCTWORK/PIPING.

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Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
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1	02/22/2026	IFP

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

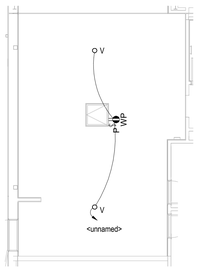
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

ELECTRICAL LIGHTING PLAN - LEVEL 1 AREA A

EL101

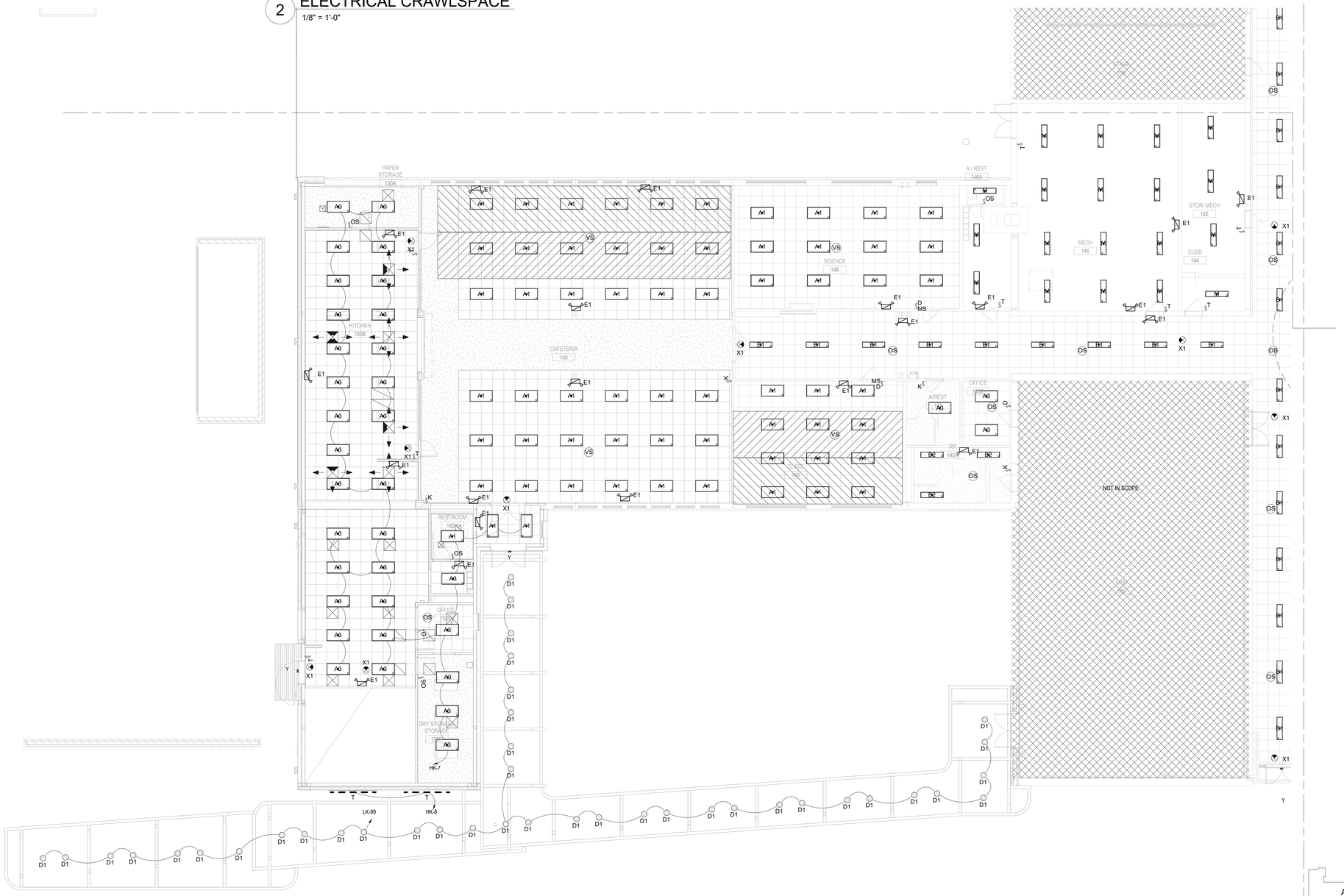
SCALE: 1/8" = 1'-0"

Project Name: ORG. #235 BAES Date:01/16/2026



2 ELECTRICAL CRAWLSPACE

1/8" = 1'-0"

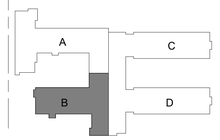


1 ELECTRICAL LIGHTING PLAN - LEVEL 1 AREA B

1/8" = 1'-0"

PRIMARY DAYLIGHT ZONE
PROVIDE DAYLIGHT SENSORS AS NEEDED

SECONDARY DAYLIGHT ZONE
PROVIDE DAYLIGHT SENSORS AS NEEDED



TRUE NORTH

N

PLAN NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

B. ALL MOUNTING HEIGHTS OF FIXTURES AND DEVICES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN.

C. REFER TO LIGHTING CONTROLS SCHEDULE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

D. UNO, FOR NEW INTERIOR LIGHT FIXTURES, CONNECT TO EXISTING CIRCUITS. REUSE EXISTING RETAINED CONDUCTORS AND CONDUIT FROM EXISTING PANEL TO LAST ACTIVE JUNCTION BOX. PROVIDE NEW CONDUCTORS AND CONDUIT FROM LAST ACTIVE JUNCTION BOX TO NEW LIGHT FIXTURE. PROVIDE DEDICATED NEUTRALS FOR ANY MULTIWIRE BRANCH CIRCUITS.

E. UNO, FOR NEW EXTERIOR LIGHT FIXTURES, CONNECT TO EXISTING CIRCUITS. REUSE EXISTING RETAINED CONDUCTORS AND CONDUIT. PROVIDE NEW CONDUCTORS AND CONDUIT AS NEEDED FOR FINAL CONNECTION TO NEW LIGHT FIXTURE.

F. WHERE POSSIBLE, REUSE EXISTING RETAINED LIGHTING CONTROLS CONDUIT AND BACKBOXES.

G. NEW LIGHTING CONTROLS SWITCH LOCATION TO MATCH EXISTING LAYOUT. FIELD COORINATE FINAL LIGHT SWITCH LOCATION.

H. NEW LIGHT FIXTURES LOCATION TO BE FIELD ADJUSTED TO AVOID DUCTWORK/PIPING.

NOTES BY SYMBOL (#)

1. PROVIDE PILOT SWITCH NEAR CRAWLSPACE ENTRANCE.

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS
P. ADAM NEMATI
102287
LICENSED
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ENGINEER
02/11/2026

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T: 972-887-5566

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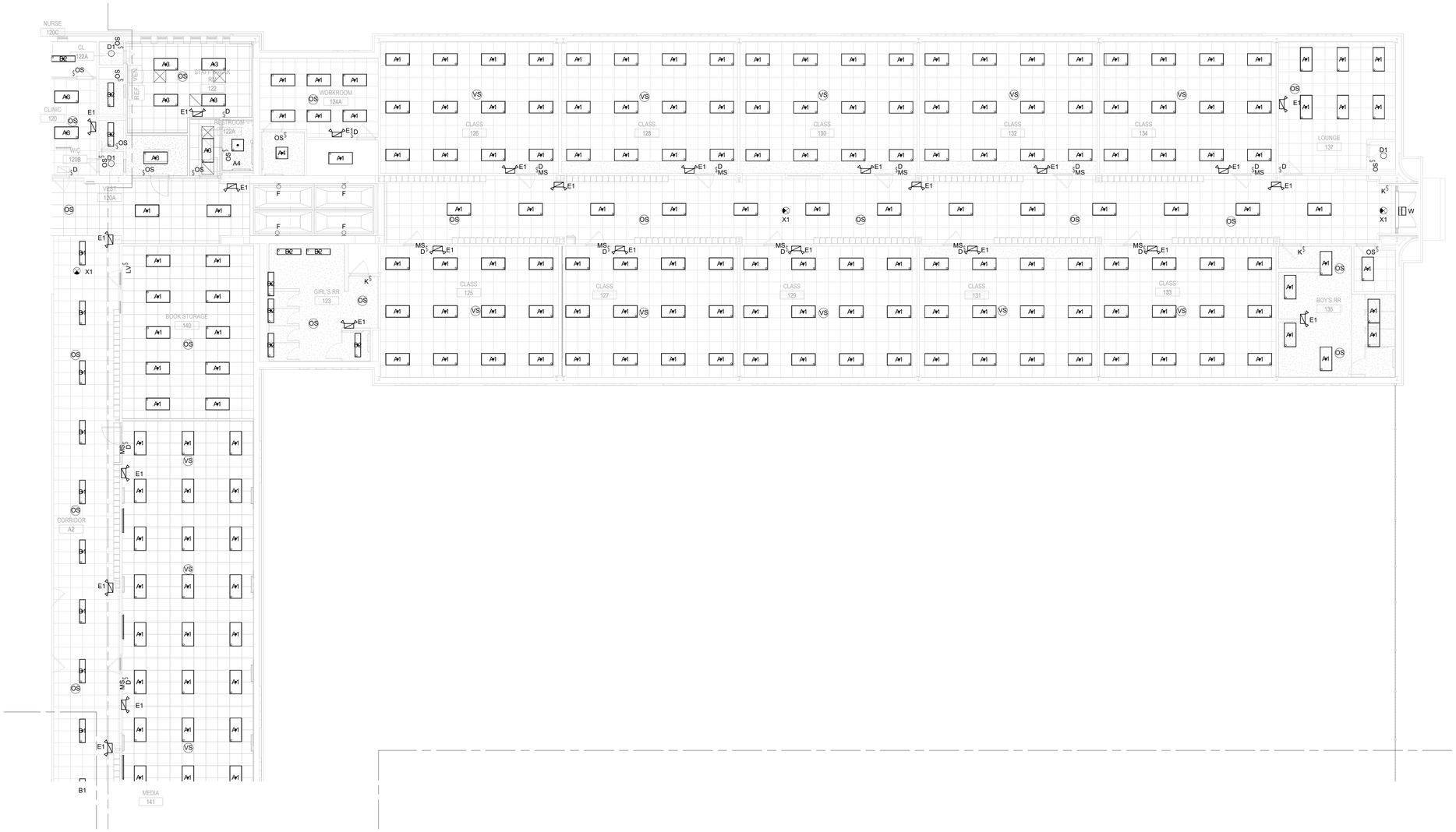
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

ELECTRICAL LIGHTING PLAN - LEVEL 1 AREA B

EL102

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

Project Name: ORG. #235 BAES Date:01/16/2026

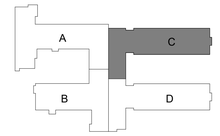


1 ELECTRICAL LIGHTING PLAN - LEVEL 1 AREA C

1/8" = 1'-0"

PRIMARY DAYLIGHT ZONE
PROVIDE DAYLIGHT SENSORS AS NEEDED

SECONDARY DAYLIGHT ZONE
PROVIDE DAYLIGHT SENSORS AS NEEDED



TRUE NORTH

N

PLAN NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

B. ALL MOUNTING HEIGHTS OF FIXTURES AND DEVICES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN.

C. REFER TO LIGHTING CONTROLS SCHEDULE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

D. UNO, FOR NEW INTERIOR LIGHT FIXTURES, CONNECT TO EXISTING CIRCUITS. REUSE EXISTING RETAINED CONDUCTORS AND CONDUIT FROM EXISTING PANEL TO LAST ACTIVE JUNCTION BOX. PROVIDE NEW CONDUCTORS AND CONDUIT FROM LAST ACTIVE JUNCTION BOX TO NEW LIGHT FIXTURE. PROVIDE DEDICATED NEUTRALS FOR ANY MULTIWIRE BRANCH CIRCUITS.

E. UNO, FOR NEW EXTERIOR LIGHT FIXTURES, CONNECT TO EXISTING CIRCUITS. REUSE EXISTING RETAINED CONDUCTORS AND CONDUIT. PROVIDE NEW CONDUCTORS AND CONDUIT AS NEEDED FOR FINAL CONNECTION TO NEW LIGHT FIXTURE.

F. WHERE POSSIBLE, REUSE EXISTING RETAINED LIGHTING CONTROLS CONDUIT AND BACKBOXES.

G. NEW LIGHTING CONTROLS SWITCH LOCATION TO MATCH EXISTING LAYOUT. FIELD COORINATE FINAL LIGHT SWITCH LOCATION.

H. NEW LIGHT FIXTURES LOCATION TO BE FIELD ADJUSTED TO AVOID DUCTWORK/PIPING.

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
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Contact: Akshai Ramakrishnan
T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

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T: 281-827-9250

IT / AV / Security:
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Contact: Dylan Akers
T: 972-887-5566

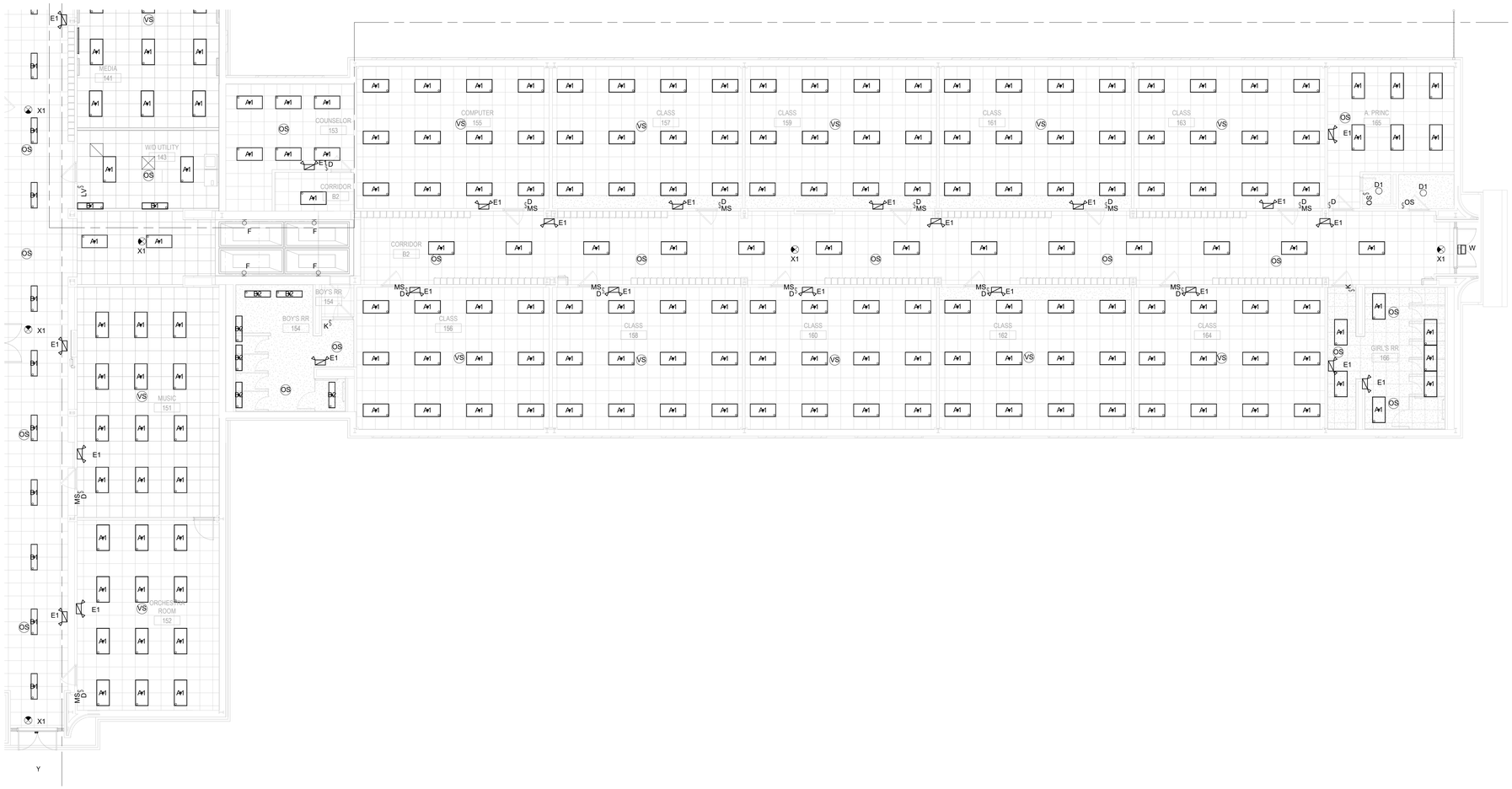
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

ELECTRICAL LIGHTING PLAN - LEVEL 1 AREA C

EL103

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 ELECTRICAL LIGHTING PLAN - LEVEL 1 AREA D

1/8" = 1'-0"

PLAN NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

B. ALL MOUNTING HEIGHTS OF FIXTURES AND DEVICES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN.

C. REFER TO LIGHTING CONTROLS SCHEDULE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

D. UNO, FOR NEW INTERIOR LIGHT FIXTURES, CONNECT TO EXISTING CIRCUITS. REUSE EXISTING RETAINED CONDUCTORS AND CONDUIT FROM EXISTING PANEL TO LAST ACTIVE JUNCTION BOX. PROVIDE NEW CONDUCTORS AND CONDUIT FROM LAST ACTIVE JUNCTION BOX TO NEW LIGHT FIXTURE. PROVIDE DEDICATED NEUTRALS FOR ANY MULTIWIRE BRANCH CIRCUITS.

E. UNO, FOR NEW EXTERIOR LIGHT FIXTURES, CONNECT TO EXISTING CIRCUITS. REUSE EXISTING RETAINED CONDUCTORS AND CONDUIT. PROVIDE NEW CONDUCTORS AND CONDUIT AS NEEDED FOR FINAL CONNECTION TO NEW LIGHT FIXTURE.

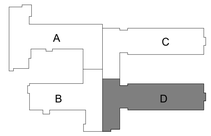
F. WHERE POSSIBLE, REUSE EXISTING RETAINED LIGHTING CONTROLS CONDUIT AND BACKBOXES.

G. NEW LIGHTING CONTROLS SWITCH LOCATION TO MATCH EXISTING LAYOUT. FIELD COORINATE FINAL LIGHT SWITCH LOCATION.

H. NEW LIGHT FIXTURES LOCATION TO BE FIELD ADJUSTED TO AVOID DUCTWORK/PIPING.

PRIMARY DAYLIGHT ZONE
PHOTOCELL DAYLIGHT SENSORS AS NEEDED

SECONDARY DAYLIGHT ZONE
PHOTOCELL DAYLIGHT SENSORS AS NEEDED



TRUE NORTH

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MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS — P. ADAM NEMATI — 102287 — LICENSED PROFESSIONAL ENGINEER — 02/11/2026

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T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
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T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

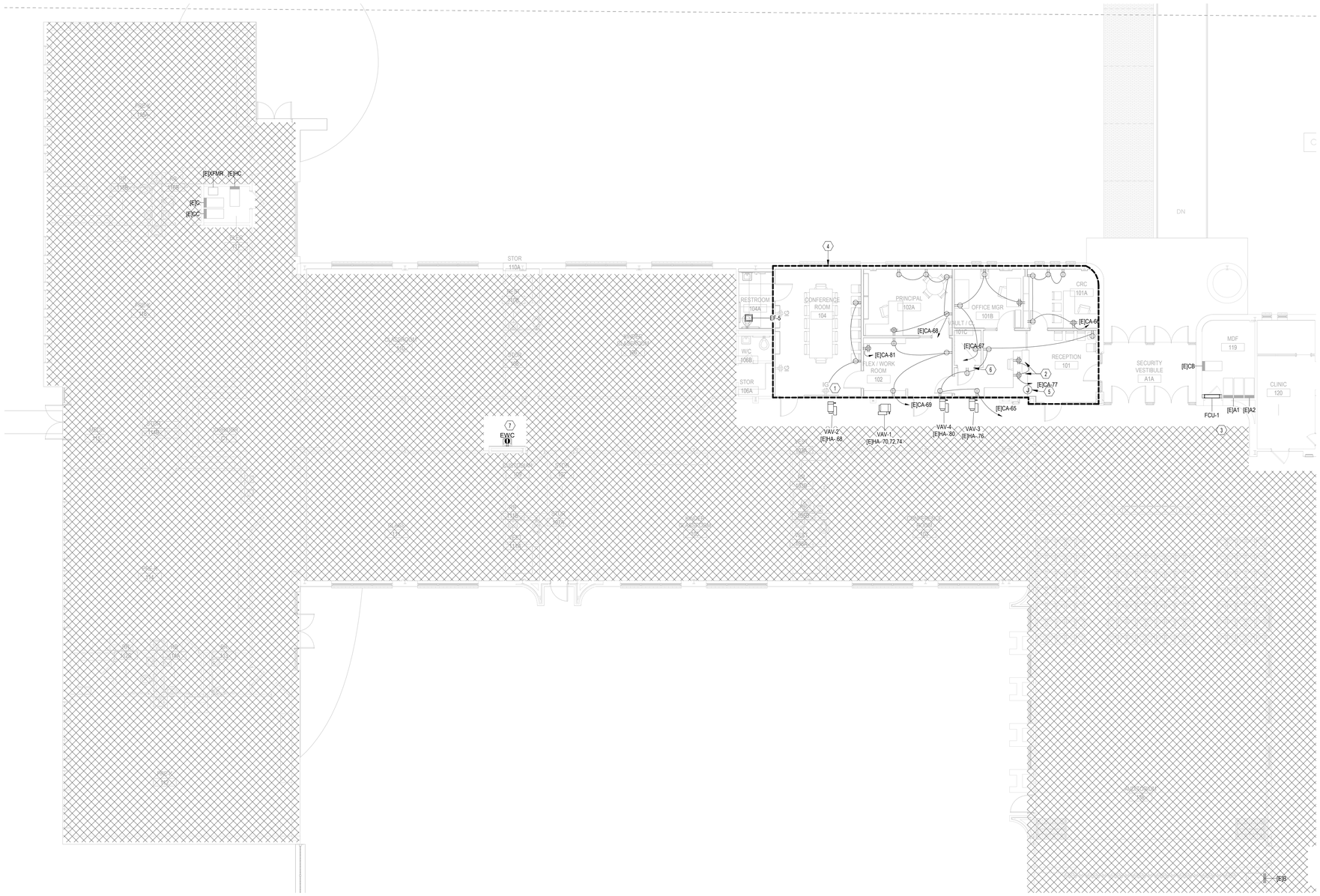
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

ELECTRICAL LIGHTING PLAN - LEVEL 1 AREA D

EL104

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 ELECTRICAL POWER PLAN - LEVEL 1 AREA A

1/8" = 1'-0"

PLAN NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

B. COORDINATE TEACHER DESK LOCATION PRIOR TO RECEPTACLE INSTALLATION.

C. ALL FINAL POWER REQUIREMENTS FOR FURNITURE FEED EQUIPMENT TO BE COORDINATED WITH ARCH/ DISTRICT PRIOR TO PURCHASE AND INSTALLATION.

D. PROVIDE DISCONNECT AS SHOWN ON THE MECHANICAL/PLUMBING EQUIPMENT (ELECTRICAL) SCHEDULE ON SHEET E2501. COORDINATE FINAL DISCONNECT INSTALLATION WITH MECHANICAL CONTRACTOR.

E. ALL TV RECEPTACLE LOCATIONS AND TV RECEPTACLE MOUNTING HEIGHTS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN.

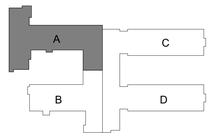
F. ALL EXISTING BREAKERS SERVING FIRE ALARM CIRCUITS ARE TO BE PROVIDED WITH RED BREAKER LOCK.

NOTES BY SYMBOL

1. CONNECT NEW DEVICES / EQUIPMENT TO EXISTING CIRCUIT AS SHOWN.
2. ROUTE CONDUIT FROM WALL THROUGH CASEWORK CAVITY TO RECEPTACLE LOCATIONS SHOWN. COORDINATE WITH CASEWORK MFR FOR EXACT LOCATION AND INSTALLATION REQUIREMENTS.
3. CONNECT NEW EQUIPMENT TO EXISTING CIRCUIT. PROVIDE NEW CONDUCTORS IN RETAINED CONDUIT. FIELD VERIFY EXISTING BREAKER MATCHES BREAKER SIZE LISTED ON MECHANICAL/PLUMBING EQUIPMENT SCHEDULE (ELECTRICAL). IF BREAKER DOES NOT MATCH, PROVIDE NEW BREAKER AS SCHEDULED.
4. UNO, FOR INDICATED AREA, ALL NEW RECEPTACLES SHALL BE SPLIT CONTROLLED RECEPTACLES. CONTROLLED RECEPTACLES SHALL BE CONNECTED TO LIGHTING CONTROLS SYSTEM SUCH THAT OWNER MAY SCHEDULE CONTROLLED RECEPTACLES ON AND OFF AS NEEDED. REFER TO ELECTRICAL DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
5. PROVIDE 1" CONDUIT FROM ABOVE CEILING SPACE TO RECEPTION DESK FOR DATA, PAGING SYSTEM, INTERCOM SYSTEM AND ACCESS CONTROL SYSTEM. COORDINATE WITH ARCHITECT AND EACH SYSTEM MFR FOR EXACT LOCATION AND INSTALLATION REQUIREMENTS.
6. EXISTING FACP CIRCUIT TO BE EXTENDED WITH NEW INDICATED LOCATION.
7. REUSE EXISTING CIRCUIT BREAKER AND PATHWAY. PROVIDE NEW CONDUCTORS 3#12,1#12G AND GFCI RECEPTACLE. EXISTING CONDUCTORS MAYBE REUSED IF PROPER GROUNDING CONDUCTOR HAS BEEN PREVIOUSLY INSTALLED.

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430



TRUE NORTH

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Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

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DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
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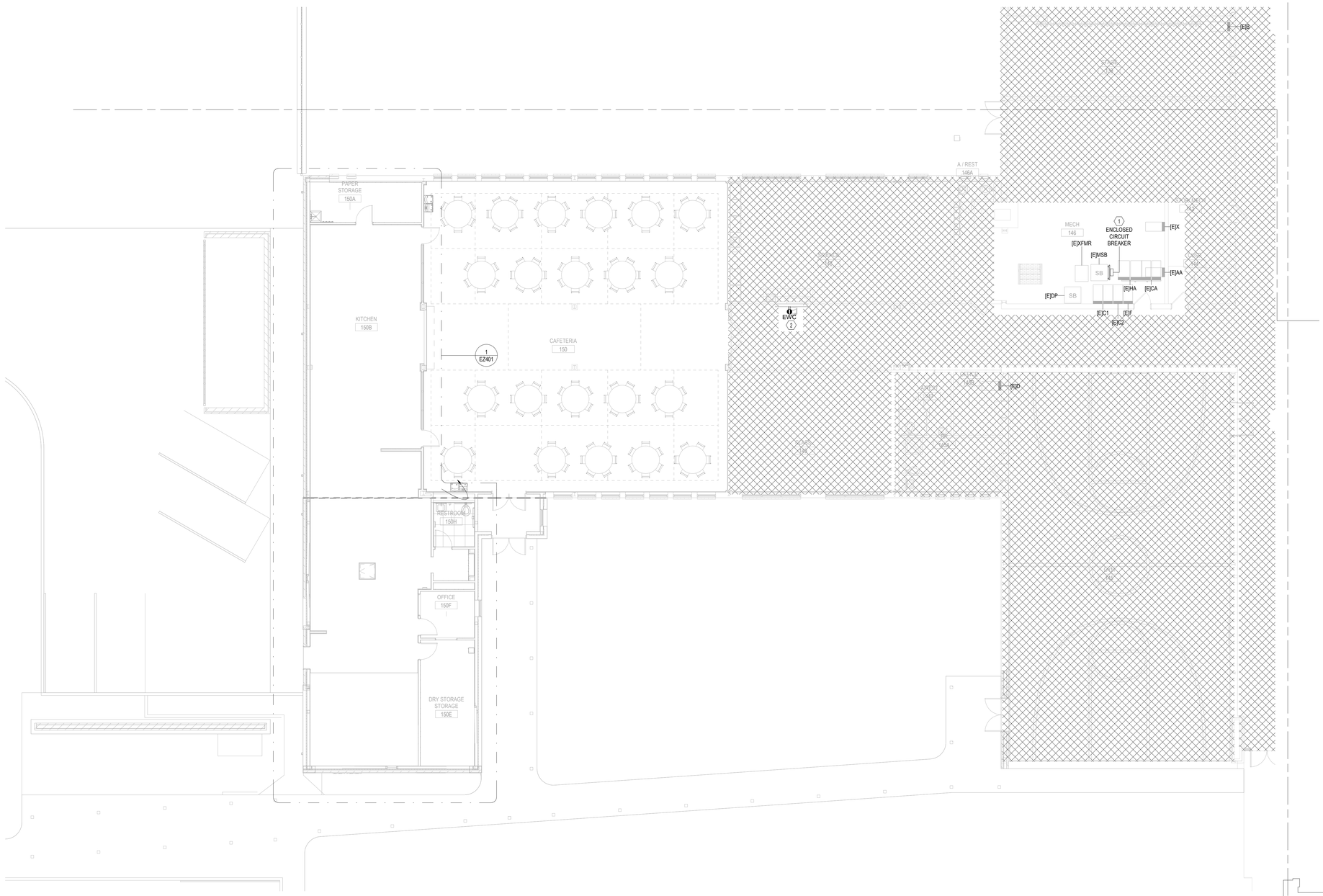
ELECTRICAL POWER PLAN - LEVEL 1 AREA A

EP101

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 ELECTRICAL POWER PLAN - LEVEL 1 AREA B

1/8" = 1'-0"

PLAN NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

B. COORDINATE TEACHER DESK LOCATION PRIOR TO RECEPTACLE INSTALLATION.

C. ALL FINAL POWER REQUIREMENTS FOR FURNITURE FEED EQUIPMENT TO BE COORDINATED WITH ARCH/ DISTRICT PRIOR TO PURCHASE AND INSTALLATION.

D. PROVIDE DISCONNECT AS SHOWN ON THE MECHANICAL/PLUMBING EQUIPMENT (ELECTRICAL) SCHEDULE ON SHEET EZ601. COORDINATE FINAL DISCONNECT INSTALLATION WITH MECHANICAL CONTRACTOR.

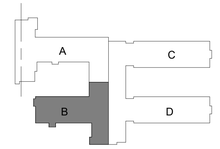
E. ALL TV RECEPTACLE LOCATIONS AND TV RECEPTACLE MOUNTING HEIGHTS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN.

F. ALL EXISTING BREAKERS SERVING FIRE ALARM CIRCUITS ARE TO BE PROVIDED WITH RED BREAKER LOCK.

NOTES BY SYMBOL (#)

1. PROVIDE NEW ENCLOSED CIRCUIT BREAKER. PROVIDE UNISTRUT RACK AND MOUNT ENCLOSURE ON RACK. REFER TO ELECTRICAL RISER DIAGRAM FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

2. REUSE EXISTING CIRCUIT BREAKER AND PATHWAY. PROVIDE NEW CONDUCTORS 3#12,1#12G AND GFCI RECEPTACLE. EXISTING CONDUCTORS MAYBE REUSED IF PROPER GROUNDING CONDUCTOR HAS BEEN PREVIOUSLY INSTALLED.



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Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
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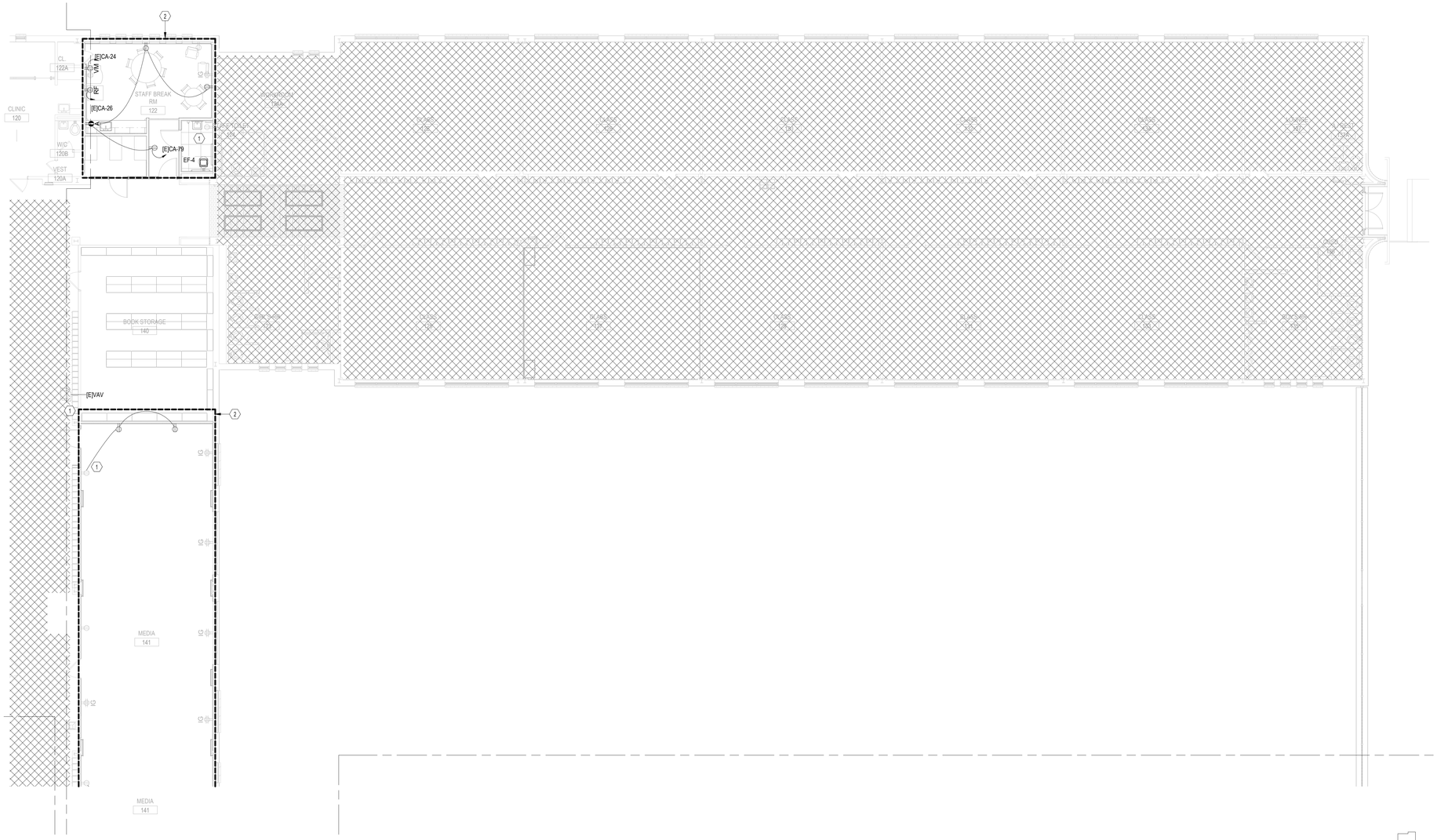
ELECTRICAL POWER PLAN - LEVEL 1 AREA B

EP102

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 ELECTRICAL POWER PLAN - LEVEL 1 AREA C

1/8" = 1'-0"

PLAN NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

B. COORDINATE TEACHER DESK LOCATION PRIOR TO RECEPTACLE INSTALLATION.

C. ALL FINAL POWER REQUIREMENTS FOR FURNITURE FEED EQUIPMENT TO BE COORDINATED WITH ARCH/ DISTRICT PRIOR TO PURCHASE AND INSTALLATION.

D. PROVIDE DISCONNECT AS SHOWN ON THE MECHANICAL/PLUMBING EQUIPMENT (ELECTRICAL) SCHEDULE ON SHEET E2501. COORDINATE FINAL DISCONNECT INSTALLATION WITH MECHANICAL CONTRACTOR.

E. ALL TV RECEPTACLE LOCATIONS AND TV RECEPTACLE MOUNTING HEIGHTS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN.

F. ALL EXISTING BREAKERS SERVING FIRE ALARM CIRCUITS ARE TO BE PROVIDED WITH RED BREAKER LOCK.

NOTES BY SYMBOL (#)

1. CONNECT NEW DEVICES / EQUIPMENT TO EXISTING CIRCUIT AS SHOWN.

2. UNO, FOR INDICATED AREA, ALL NEW RECEPTACLES SHALL BE SPLIT CONTROLLED RECEPTACLES. CONTROLLED RECEPTACLES SHALL BE CONNECTED TO LIGHTING CONTROLS SYSTEM SUCH THAT OWNER MAY SCHEDULE CONTROLLED RECEPTACLES ON AND OFF AS NEEDED. REFER TO ELECTRICAL DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

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Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
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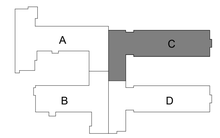

TRUE NORTH

N

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS
P. ADAM NEMATI
102287
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PROFESSIONAL
ENGINEER
02/11/2026

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JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
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T: 214-752-9092

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MEPCE
Contact: Hunter Harris
T: 972-878-7648

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Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

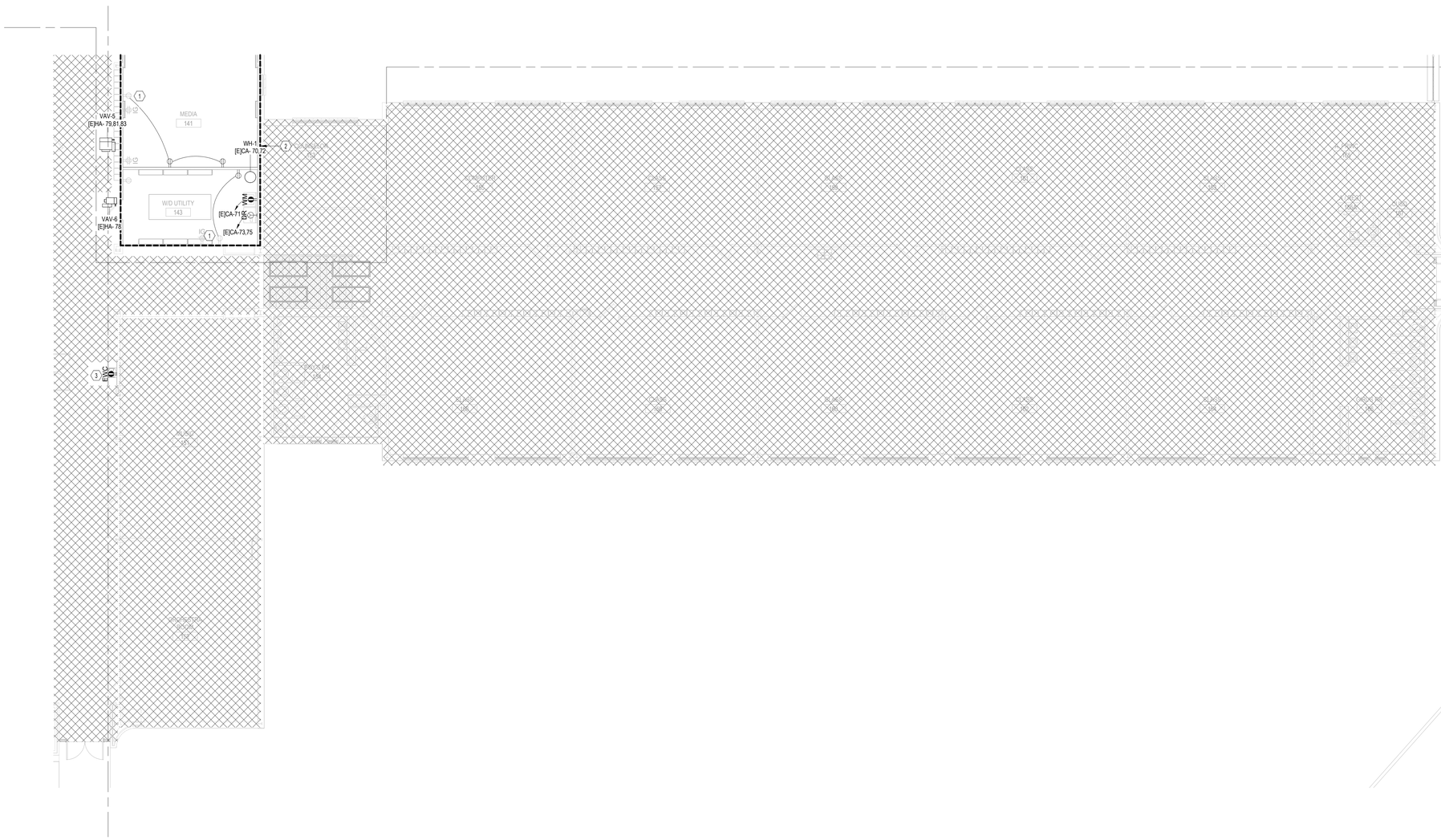
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

ELECTRICAL POWER PLAN - LEVEL 1 AREA C

EP103

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 ELECTRICAL POWER PLAN - LEVEL 1 AREA D

1/8" = 1'-0"

PLAN NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

B. COORDINATE TEACHER DESK LOCATION PRIOR TO RECEPTACLE INSTALLATION.

C. ALL FINAL POWER REQUIREMENTS FOR FURNITURE FEED EQUIPMENT TO BE COORDINATED WITH ARCH/ DISTRICT PRIOR TO PURCHASE AND INSTALLATION.

D. PROVIDE DISCONNECT AS SHOWN ON THE MECHANICAL/PLUMBING EQUIPMENT (ELECTRICAL) SCHEDULE ON SHEET E2501. COORDINATE FINAL DISCONNECT INSTALLATION WITH MECHANICAL CONTRACTOR.

E. ALL TV RECEPTACLE LOCATIONS AND TV RECEPTACLE MOUNTING HEIGHTS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN.

F. ALL EXISTING BREAKERS SERVING FIRE ALARM CIRCUITS ARE TO BE PROVIDED WITH RED BREAKER LOCK.

NOTES BY SYMBOL (#)

1. CONNECT NEW DEVICES TO EXISTING CIRCUIT AS SHOWN.
2. UNO, FOR INDICATED AREA, ALL NEW RECEPTACLES SHALL BE SPLIT CONTROLLED RECEPTACLES. CONTROLLED RECEPTACLES SHALL BE CONNECTED TO LIGHTING CONTROLS SYSTEM SUCH THAT OWNER MAY SCHEDULE CONTROLLED RECEPTACLES ON AND OFF AS NEEDED. REFER TO ELECTRICAL DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. REUSE EXISTING CIRCUIT BREAKER AND PATHWAY. PROVIDE NEW CONDUCTORS 3#12,1#12G AND GFCI RECEPTACLE. EXISTING CONDUCTORS MAYBE REUSED IF PROPER GROUNDING CONDUCTOR HAS BEEN PREVIOUSLY INSTALLED.

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Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
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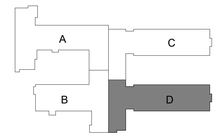

TRUE NORTH

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Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS — ADAM NEMATI — 102287 — LICENSED PROFESSIONAL ENGINEER — 02/11/2026

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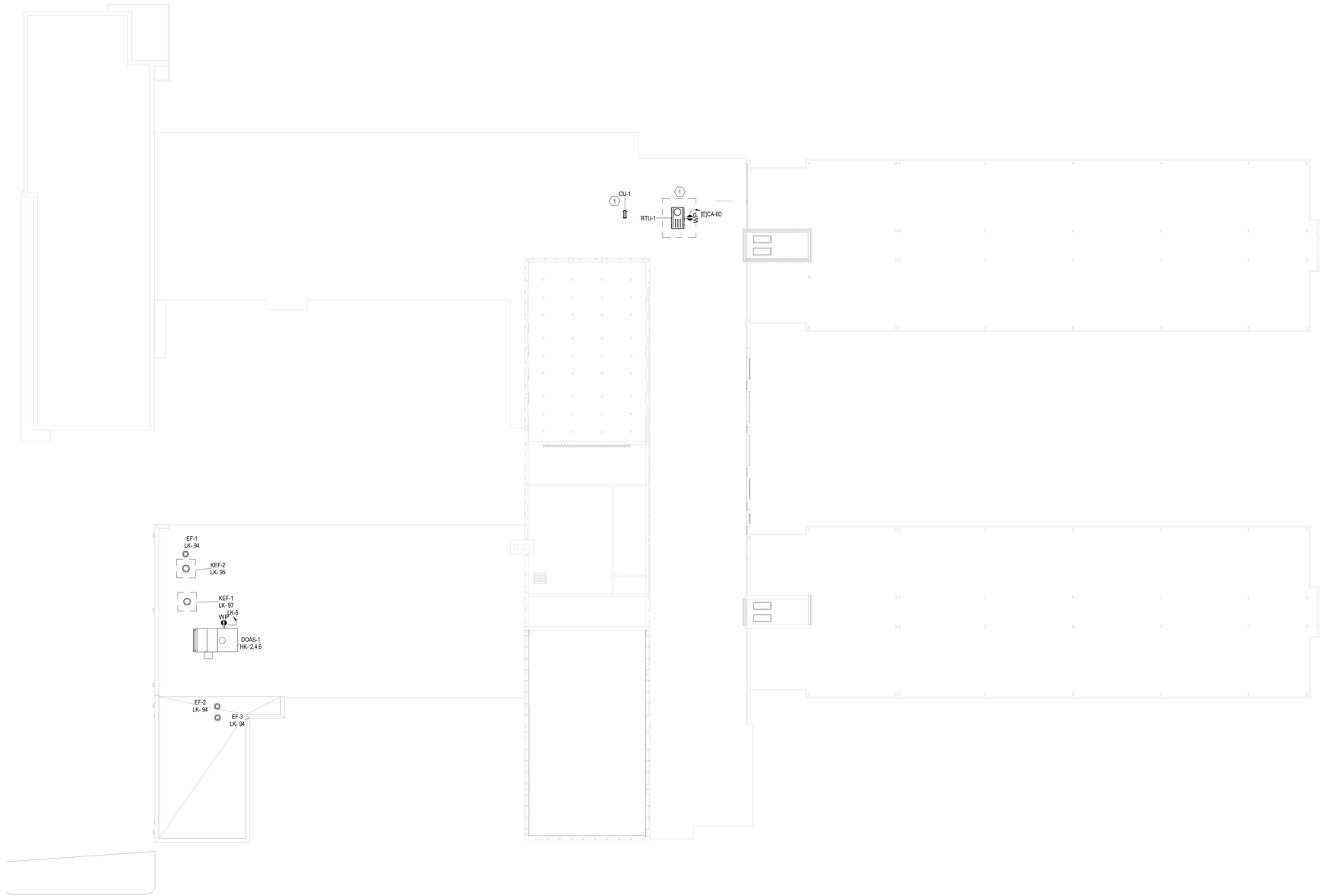
T: 972-245-5300

ELECTRICAL POWER PLAN - LEVEL 1 AREA D

EP104

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



1 ELECTRICAL POWER OVERALL PLAN - ROOF

1/16" = 1'-0"

PLAN NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

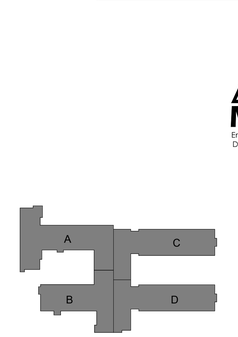
B. PROVIDE DISCONNECT AS SHOWN ON THE MECHANICAL/PLUMBING EQUIPMENT (ELECTRICAL) SCHEDULE ON SHEET E2601. COORDINATE WITH MECHANICAL EQUIPMENT MFR FOR EQUIPMENT MOUNTED DEVICES PRIOR TO PURCHASING EQUIPMENT.

C. ALL RTUS AND CONDENSING UNITS SHALL HAVE AN INTERGRATED GFCI WEATHERPROOF RECEPTACLE. VERIFY EQUIPMENT LOCATIONS AND VERIFY ALL NECESSARY RECEPTACLES PRIOR TO BID.

D. REFER TO SPECIFICATIONS FOR LIGHTNING PROTECTION REQUIREMENTS.

NOTES BY SYMBOL (#)

1. CONNECT NEW EQUIPMENT TO EXISTING CIRCUIT. PROVIDE NEW CONDUCTORS IN RETAINED CONDUIT. FIELD VERIFY EXISTING BREAKER MATCHES BREAKER SIZE LISTED ON MECHANICAL/PLUMBING EQUIPMENT SCHEDULE (ELECTRICAL). IF BREAKER DOES NOT MATCH, PROVIDE NEW BREAKER AS SCHEDULED.



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Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
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Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

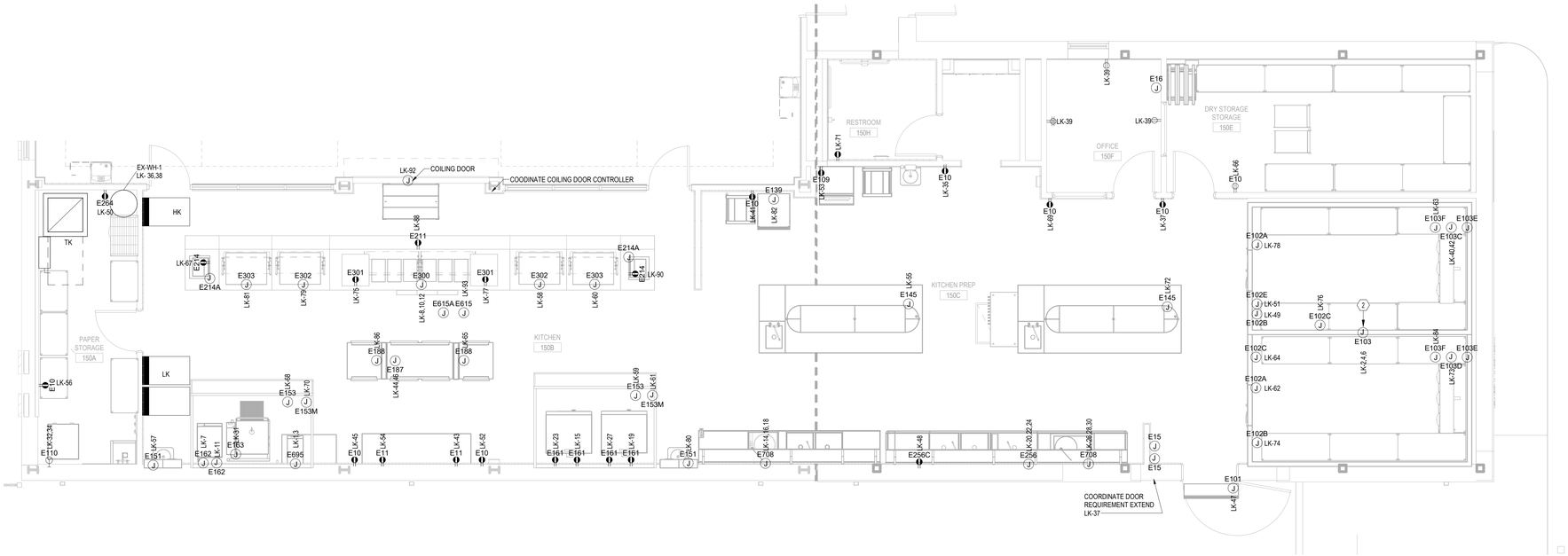
ELECTRICAL POWER PLAN - ROOF

EP105

SCALE: As indicated

FOOD SERVICE ELECTRICAL SCHEDULE

FDP ENO	FDP ECONN	FDP ELOAD	FDP EVOLT	FDP EPH	FDP ESERVICE TO	FDP ELOC	FDP EAFF	FDP EREMARKS
E10	DR	16.0A	120	1	CONVENIENCE OUTLET	WALL	24"	---
E11	DR	16.0A	120	1	CONVENIENCE OUTLET	WALL	47"	MOUNT HORIZONTAL
E15	JB	---	---	--	REMOTE FIRE PULL	WALL	48"	RE: NOTE #11 - RECESSED JB - EXTEND TO FIRE SYSTEM FOR HOOD
E16	JB	---	---	--	POS SYSTEM	VERIFY	VERIFY	BTC; RE: NOTE #14 - EMPTY CONDUIT W/ PULL WIRE, EXTEND TO CASH REGISTERS
E101	JB	5.1A	120	1	AIR SCREEN	WALL	82"	BTC; MAGNETIC REED SWITCH ON DOOR JAMB & DOOR
E102A	JB	16.0A	120	1	DOOR HEATER/LIGHTS	CLG	DFA	BTC
E102B	JB	5.0A	120	1	TEMP. ALARM	CLG	DFA	BTC
E102C	JB	5.0A	120	1	PRESSURE RELIEF PORT	CLG	DFA	BTC
E102E	JB	10.0A	120	1	PANIC ALARM BUTTON	CLG	DFA	BTC--INTERCONNECT TO STROBE LIGHT/HORN ABOVE FREEZER DOOR AND IN CAFETORIUM
E103	JB/DS	29.5A	208	3	REFRIGERATION SYSTEM	VERIFY	VERIFY	BTC; RE: NOTE #4 & #5
E103C	JB	13.7A	208	1	FREEZER COIL	CLG	DFA	BTC
E103D	JB	1.8A	120	1	COOLER COIL	CLG	DFA	BTC
E103E	JB	---	---	---	DATA CONNECTION	CLG	DFA	BTC; RUN TO NEAREST IDF / MDF ROOM
E103F	JB	16.0A	120	1	DRAIN LINE HEATER	CLG	DFA	BTC; DEDICATED CIRCUIT
E109	DR	11.9A	120	1	ICE MACHINE	WALL	60"	---
E110	SR	30.0A	120/240	1	STACKED WASHER DRYER	WALL	48"	VERIFY NEMA PLUG RECEPTACLE
E139	SR	15.0A	120	1	INSUL. MOBILE PROOFER	WALL	47"	--
E145	DCR	16.0A	120	1	TABLE RECEPTACLE	CLG	84"	---
E151	JB	1.0A	120	1	FIRE PROT. SYSTEM	CLG	DFA	BTC; RE: NOTE #4, #6, #9 & #11
E153	JB	10.0A	120	1	HOOD LIGHTS	CLG	DFA	BTC; RE: NOTE #4, #6, #9 & #10
E153M	JB	10.0A	120	1	HEAT SENSOR	CLG	DFA	BTC; RE: NOTE #4, #6, #9 & #10
E161	(2)DR	6.0A EA.	120	1	CONVECTION OVEN	WALL	24"/48"	SHUNT TRIP BREAKER
E162	(2), JB	15.0A EA.	120	1	CONVECTION STEAMER	WALL	24" / 60"	SHUNT TRIP BREAKER
E163	JB	5.0A	120	1	TILT BRAISING PAN	WALL	24"	SHUNT TRIP BREAKER
E187	JB	15.5A	120/208	1	HEATED CABINET	WALL	96"	BTC; RE: NOTE #4; MOUNT ON KITCHEN SIDE
E188	JB	7.2A	120	1	REFRIGERATOR	WALL	96"	BTC; RE: NOTE #4; MOUNT ON KITCHEN SIDE .
E211	DR/PMR	15.0A	120	1	MILK COOLER	FLOOR	4.5"	WATERPROOF RECEPTACLE
E214	DR	16.0A	120	1	CASH REGISTER	FLOOR	4"	DEDICATED CIRCUIT - WATER PROOF
E214A	JB	---	---	-	POS	FLOOR	4"	BTC; RE: NOTE #14 - EMPTY CONDUIT
E256	JB	26.7A	208	3	POWER SOAK SINK	WALL	24"	BTC; RE: NOTE #4 - CONNECT FROM E256THRU C.P. TO PUMP
E256C	WPR	5.0A	120	1	DETERGENT SYSTEM	WALL	24"	WATERPROOF RECEPTACLE
E264	WPR	15.0A	120	1	REVERSE OSMOSIS SYSTEM	WALL	80"	BTC; DEDICATED CIRCUIT
E300	SR/PMR	40.0A	120/208	3	HOT/COLD WELLS	FLOOR	6"	WATERPROOF RECEPTACLE
E301	DR/PMR	15.0A	120	1	ELEVATED FROST TOP	FLOOR	18"	WATERPROOF RECEPTACLE
E302	SR/PMR	15.0A	120	1	HEATED TOP	FLOOR	18"	WATERPROOF RECEPTACLE
E303	SR/PMR	15.0A	120	1	FROST TOP	FLOOR	18"	WATERPROOF RECEPTACLE
E615	DR	5.0A	120	1	VIDEO / DATA SYSTEM	CLG	VERIFY	PROVIDE DCO AT VIDEO LOCATION
E615A	JB	---	---	---	VIDEO / DATA SYSTEM	CLG	VERIFY	PROVIDE JB AT DATA LOCATION
E695	SR	22.0A	200V-240V	1	EQUIPMENT	WALL	24"	SHUNT TRIP BREAKER BTC; RE: NOTE #4
E708	JB	3.2A	208	3	SCRAP COLLECTOR	WALL	24"	BTC; RE: NOTE #4



1 ELECTRICAL POWER PLAN - ENLARGED KITCHEN

1/4" = 1'-0"

PLAN NOTES

A. REFER TO FOOD SERVICE PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

B. SHUNT TRUIP BREAKERS ARE TO BE CONNECTED THROUGH CONTACTORS AND ANSUL SYSTEM.

NOTES BY SYMBOL (#)

1. PROVIDE JUNCTION BOX FOR CONVECTION STEAMER POWER. COORDINATE EXACT POWER AND CONNECTION REQUIREMENTS WITH MFR PRIOR TO ROUGH-IN.

2. PROVIDE JUNCTION BOX FOR REFRIGERATOR EQUIPMENT LOCATED ON ROOF. COORDINATE WITH MFR FOR EXACT LOCATION AND CONNECTION REQUIREMENTS.

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

Permit Issue

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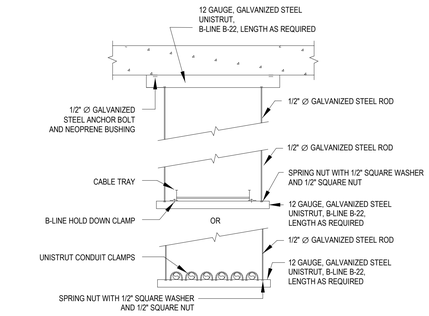
ELECTRICAL POWER PLAN - ENLARGED KITCHEN

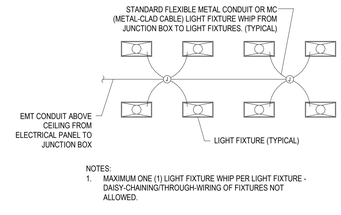
EZ401

SCALE: As indicated

Project Name: ORG. #235 BAES Date:01/16/2026

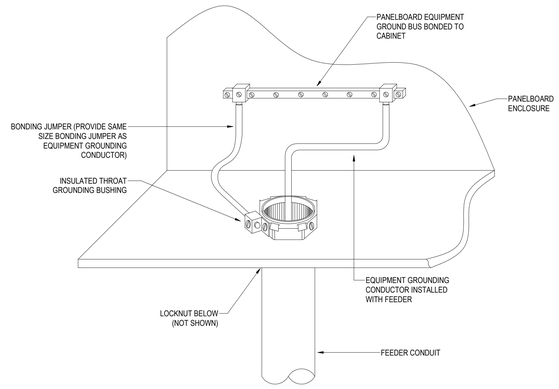


9 SUSPENDED CONDUIT SUPPORT
NTS

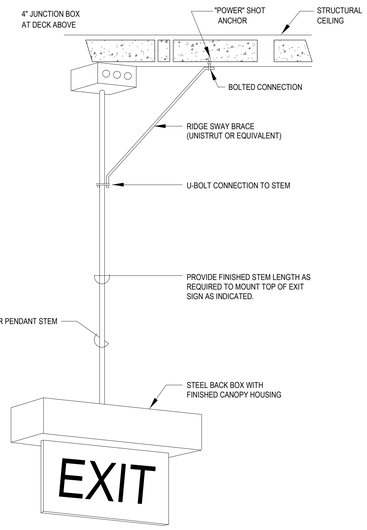


NOTES:
1. MAXIMUM ONE (1) LIGHT FIXTURE WHIP PER LIGHT FIXTURE - DAISY-CHAINING/THROUGH-WIRING OF FIXTURES NOT ALLOWED.

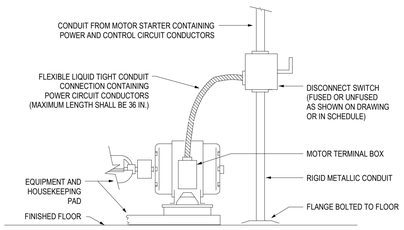
5 LIGHTING-2X4 FIXTURE WIRING
NTS



1 BONDING
NTS



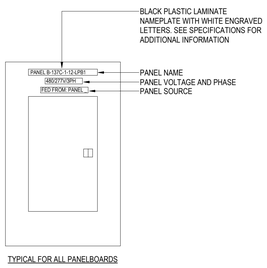
10 SUSPENDED EXIT LIGHT
NTS



6 MOTOR DISCONNECT SWITCH MOUNTING
NTS

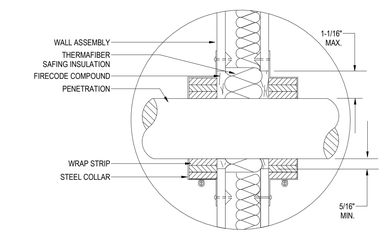
NOTES:
1. GROUNDING CONDUCTOR SHALL BE CONTINUOUS SO THAT REMOVAL OF DEVICE WILL NOT INTERFERE WITH CONDUCTOR CONTINUITY.

2 DEVICE GROUNDING
NTS

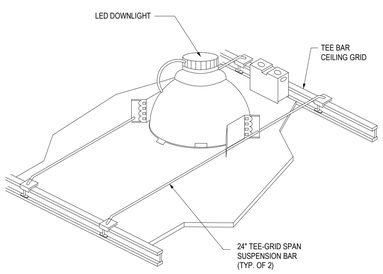


TYPICAL FOR ALL PANELBOARDS

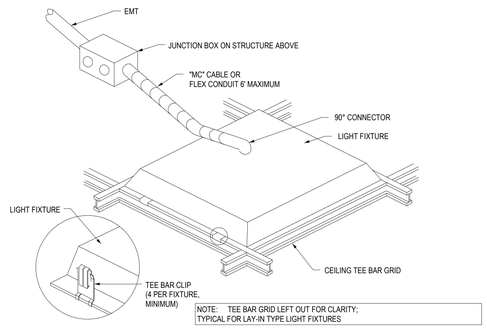
7 PANELBOARD IDENTIFICATION
NTS



3 FIRESTOP WALL PENETRATION
NTS



8 RECESSED DOWNLIGHT
NTS



4 LAY-IN LIGHT FIXTURE
NTS

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS — P. ADAM NEMATI — 102287 — LICENSED PROFESSIONAL ENGINEER — 02/11/2026

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ISSUES & REVISIONS

No.	Date	Revision
1	02/22/2026	IFP

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

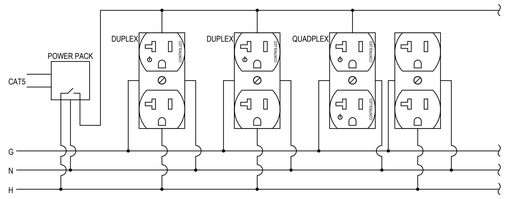
PROJECT CODE
31.00430

ELECTRICAL DETAILS

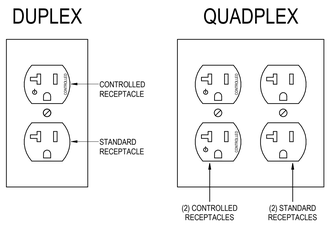
EZ501

SCALE: As indicated

Project Name: ORG. #235 BAES Date:01/16/2026



5 CONTROLLED RECEPTACLE WIRING
NTS



6 CONTROLLED RECEPTACLES
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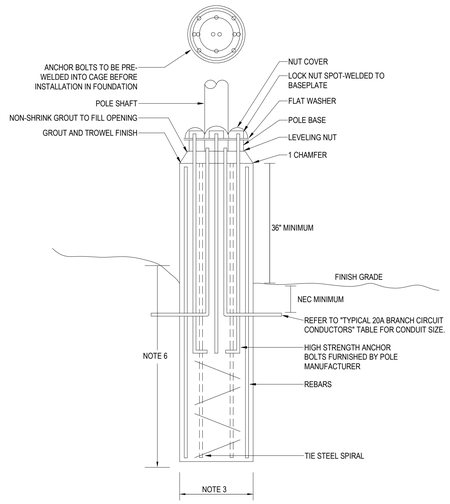
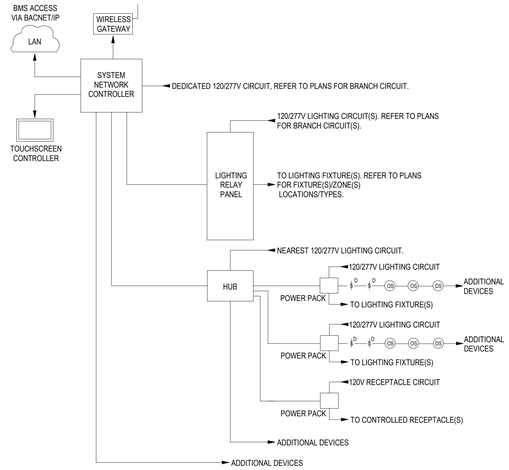


NOTES:

1. SCHEMATIC LIGHT POLE DETAIL. CONTRACTOR SHALL COORDINATE ACTUAL BOLT AND POLE PATTERNS AND REQUIREMENTS WITH POLE MANUFACTURER. SUBMIT SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. SHOP DRAWINGS SHALL BE STAMPED BY A REGISTERED PROFESSIONAL STRUCTURAL ENGINEER IN THE STATE OF TEXAS. PROVIDE ALL ADDITIONAL MATERIALS AND LABOR REQUIRED FOR LIGHT POLE AND BASE.
2. FOUNDATION DIAMETER SHALL BE MINIMUM 6" LARGER THAN POLE BASE MAXIMUM DIMENSION.
3. CONCRETE SHALL BE 3000 PSI OR BETTER.
4. BOLT CIRCLE DIAMETER PLUS 12", VERIFY WITH MANUFACTURER.
5. POLE FOOTING SHALL BE FORMED ABOVE GRADE TO 6" BELOW FINISHED GRADE.
6. DIMENSION PER STRUCTURAL ENGINEER REQUIREMENTS.

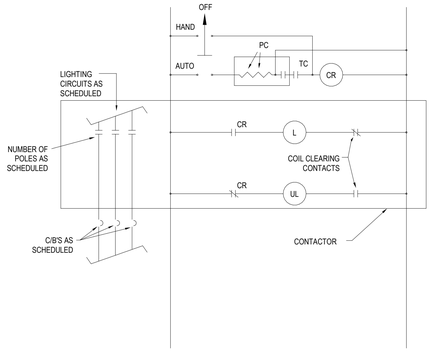
3 POLE BASE DETAIL - PARKING LOT
NTS



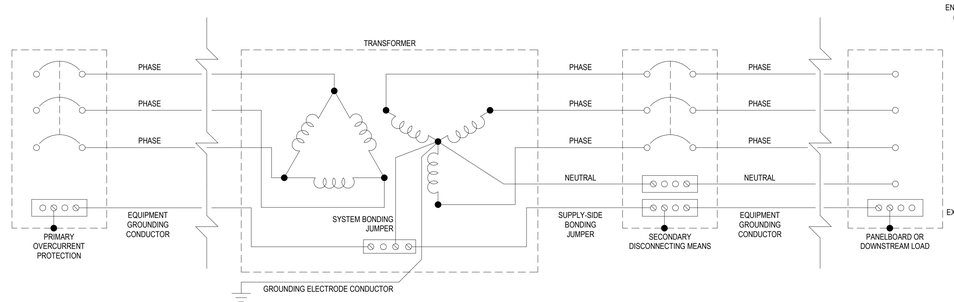
NOTES:

1. DETAIL IS FOR CONTROL INTENT ONLY. CONTRACTOR TO VERIFY EXACT NUMBER AND TYPE OF DEVICES REQUIRED.
2. REFER TO PLANS FOR DIAGRAMMATIC LAYOUT OF DEVICES.

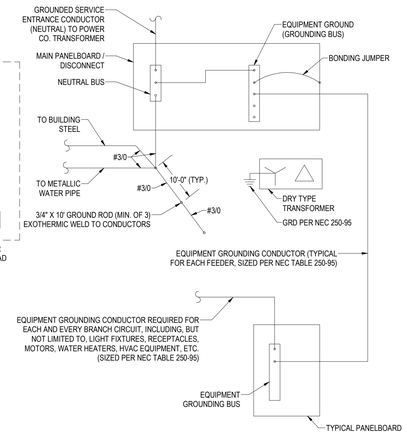
1 LIGHTING CONTROLS RISER
NTS



2 LIGHTING-EXTERIOR-PHOTOCELL TIMECLOCK HOA
NTS



7 TRANSFORMER GROUNDING TO PANEL W/ SECONDARY DISCONNECT
NTS



NOTES:

1. MEASURED RESISTANCE TO GROUND SHALL NOT EXCEED 2 OHMS.
2. GROUNDING DETAIL IS NOT RELATED TO GROUNDING OF METAL BUILDING SKINS.
3. GROUNDING OF METAL BUILDING SKINS IS IN ADDITION TO THE REQUIREMENTS INDICATED HEREIN (REFER TO ARCHITECTURAL SECTIONS OF THE SPECIFICATIONS).

4 GROUNDING SCHEMATIC
NTS

Permit Issue

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LICENSED PROFESSIONAL ENGINEER
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STATE OF TEXAS
05/11/2026

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Contact: Sherri Myers
T: 972-245-5300

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

ELECTRICAL DETAILS

EZ502

SCALE: As indicated

Project Name: ORG. #235 BAES Date:01/16/2026

LIGHTING CONTROLS SCHEDULE

ROOM TYPE	CONTROL DESCRIPTION
TYPICAL CLASSROOMS, SPECIAL INSTRUCTION CLASSROOMS AND LABS	• LIGHTS SHALL BE MANUAL ON VIA SWITCH(S) AND AUTOMATIC OFF VIA VACANCY SENSOR(S). • SMART SWITCHES TO HAVE ONLY THE FOLLOWING BUTTONS: 1. ON/OFF (THESE MAY BE COMBINED OR SEPARATE BUTTONS): ON - ACTIVATE ALL LIGHTING TO 100% CAPACITY, OFF - DEACTIVATE ALL LIGHTING TO 0% CAPACITY. 2. SCENE 1: TEACHING WALL MODE: ACTIVATE ROW OF LIGHTS NEAREST THE TEACHING WALL. DEACTIVATE REMAINING LIGHTS. 3. SCENE 2: AV MODE: DEACTIVATE ROW OF LIGHTS NEAREST THE TEACHING WALL. DIM REMAINING LIGHTS. REFER TO CHPS EQ C14.1.2 FOR ILLUMINATION LEVELS. 4. DIMMING CONTROL UP: INCREASE LIGHT LEVELS IN ALL MODES (ON/OFF, TEACHING WALL, AND AV). 5. DIMMING CONTROL DOWN: DECREASE LIGHT LEVELS IN ALL MODES (ON/OFF, TEACHING WALL, AND A/V).
CORRIDORS AND COMMON AREAS	• LIGHTS SHALL BE AUTOMATIC ON/OFF VIA OCCUPANCY SENSOR(S). • DISPLAY CASE LIGHTS SHALL BE CONTROLLED WITH CORRIDOR LIGHTS.
GROUP STUDENT RESTROOMS	• LIGHTS SHALL BE AUTOMATIC ON/OFF VIA OCCUPANCY SENSOR(S). • KEYED SWITCH(S) SHALL BE PROVIDED TO ALLOW OWNER TO DEACTIVATE LIGHTING. • "OFF" FEATURE OF SWITCH SHALL BE SCHEDULED INACTIVE 7AM - 5PM (ADJUSTABLE).
OFFICES, CONFERENCE ROOMS, AND GENERAL STAFF ROOMS	• LIGHTS SHALL BE MANUAL ON VIA SWITCH(S) AND AUTOMATIC OFF VIA VACANCY SENSOR(S). • SWITCH(S) SHALL ALLOW FOR DIMMING CONTROL OF ALL LIGHTS.
INDIVIDUAL STAFF RESTROOMS	• LIGHTS SHALL BE MANUAL ON VIA SWITCH(S) AND AUTOMATIC OFF VIA VACANCY SENSOR(S).
CAFETERIA	• LIGHTS SHALL BE MANUAL ON/OFF VIA SWITCHES. • LIGHTS TO BE SPLIT BY CONTROLS 1/3, 1/3, AND 1/3. • EACH DIFFERENT TYPE OF LIGHT FIXTURE IN ROOM SHALL HAVE INDEPENDENT DIMMING CONTROL. • COORDINATE WITH OWNER FOR PROGRAMMING OF SCENE SELECTIONS AND DIMMING PRESETS.
LIBRARY/MEDIA CENTER	• LIGHTS SHALL BE AUTOMATIC ON/OFF VIA OCCUPANCY SENSOR(S). • LIGHTS TO BE SPLIT BY CONTROLS 1/3, 1/3, AND 1/3.
STORAGE AND CUSTODIAL ROOMS	• LIGHTS SHALL BE AUTOMATIC ON/OFF VIA OCCUPANCY SENSOR(S). • SWITCH(S) SHALL ALLOW FOR OVERRIDE ON/OFF CONTROL.
KITCHEN	• LIGHTS SHALL BE MANUAL ON/OFF VIA SWITCH(S).
ELECTRICAL, MECHANICAL, MDF/IDF ROOMS AND CRAWLSPACE	• LIGHTS SHALL BE MANUAL ON/OFF VIA SWITCH(S). • LIGHTS SHALL NOT BE CONNECTED TO NETWORKED LIGHTING CONTROL SYSTEM AND SHALL BE CONTROLLABLE ONLY THRU LOCAL LINE-VOLTAGE TOGGLE SWITCH(S).
EXTERIOR/FACADE LIGHTING (EXCLUDING PARKING LOT LIGHTING)	• LIGHTS SHALL BE CONTROLLED BY ROOF-MOUNTED PHOTOCELL AND TIMECLOCK. PHOTOCELL SHALL BE ROOF-MOUNTED ON NORTH SIDE OF BUILDING. • COORDINATE WITH OWNER FOR PROGRAMMING OF SCENE SELECTIONS AND DIMMING PRESETS.
PARKING LOT LIGHTING	• LIGHTS SHALL BE CONTROLLED BY TIMECLOCK AND INTEGRAL PHOTOCELL AND OCCUPANCY SENSOR. • LIGHTS SHALL NOT BE CONNECTED TO NETWORKED LIGHTING CONTROL SYSTEM AND SHALL BE CONTROLLABLE ONLY THRU TIMECLOCK AND INTEGRAL PHOTOCELL AND OCCUPANCY SENSOR.

NOTES:

1. CONTRACTOR RESPONSIBLE FOR PROVIDING AND INSTALLING ALL REQUIRED OCCUPANCY/VACANCY SENSORS AND DAYLIGHT SENSORS FOR PROPER OPERATION. ENSURE COVERAGE OF OCCUPANCY SENSORS COVERS ENTIRE ROOM ADEQUATELY.
2. ALL CONTROLS AND OPERATION SHALL BE IN COMPLIANCE WITH 2021 IECC.
3. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO ORDERING ANY DEVICES. SHOP DRAWINGS SHALL INCLUDE SENSOR LAYOUT, SWITCH LOCATIONS, CONNECTION DIAGRAMS, CONTROL SCHEDULE, AND ANY OTHER PERTINENT INFORMATION FOR COMPLETE INSTALLATION AND CONTROL OPERATION.
4. UNLESS NOTED OTHWERWISE, ALL LIGHTS SHALL BE FULLY NETWORKED THROUGH LIGHTING CONTROL SYSTEM SUCH THAT SCHEDULES AND OVERRIDE SETTINGS MAY BE MODIFIED FROM OWNER'S COMPUTER.
5. WHERE LIGHTS ARE CONTROLLED BY OCCUPANCY/VACANCY SENSORS, LIGHTS SHALL TURN OFF AFTER 20 MINUTES OF INACTIVITY. 2 MINUTES PRIOR TO TURNING LIGHTS OFF, LIGHTING CONTROLS SHALL DIM THE LUMINAIRES IN THE SPACE TO 50% OF THEIR PREVIOUS OUTPUT AS A NOTIFICATION TO THE OCCUPANTS THAT THE LIGHTS WILL SOON BE TURNED OFF.
6. DAYLIGHT CONTROLS SHALL BE PROVIDED IN ALL SPACES WITH EXTERIOR WINDOWS.
7. UNO, WALL TOWARD WHICH CHAIRS/DESKS ARE SHOWN ON PLANS TO FACE SHALL BE DESIGNATED PRIMARY TEACHING WALL. UNO, WALL OPPOSITE PRIMARY TEACHING WALL SHALL BE DESIGNATED SECONDARY TEACHING WALL. PRIOR TO ROUGH-IN, COORDINATE WITH ARCHITECT AND OWNER FOR PRIMARY AND SECONDARY TEACHING WALL FINAL LOCATIONS.

DALLAS ISD - BIRDIE ALEXANDER ELEMENTARY SCHOOL

TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	LAMP TYPE	VOLTAGE	WATTS	DELIVERED LUMENS	MOUNTING	NOTES
A1	2x4 RECESSED LED VOLUMETRIC LUMINAIRE WITH HIGH EFFICIENCY WIDE LOW PROFILE DIFFUSE SMOOTH ACRYLIC CENTER LENS, GRID CEILING, DIMMING DRIVER AND INTEGRATED CONTROLS AS REQUIRED.	LITHONIA	STAK 2X4 4000LM 80CRI 40K COL MIN1 MVOLT NLTAIR2	4000K LED 0-10V 1%	120-277V	33.2 W	4,255 LMS	RECESSED	CLASSROOM
A2	SAME AS TYPE "A2" EXCEPT LOWER LUMENS	LITHONIA	STAK 2X4 3000LM 80CRI 40K COL MIN1 MVOLT NLTAIR2	4000K LED 0-10V 1%	120-277V	24.1 W	3,269 LMS	RECESSED	OFFICES
A3	2X4 LED GASKETED FIXTURE	LITHONIA	2GTL4 40L A12125 LP840 ABC	4000K LED 0-10V 1%	120-277V	29 W	4078 LMS	RECESSED	KITCHEN
A4	2x4 RECESSED LED VOLUMETRIC LUMINAIRE WITH HIGH EFFICIENCY WIDE LOW PROFILE DIFFUSE SMOOTH ACRYLIC CENTER LENS, DRY WALL CEILING, DIMMING DRIVER AND INTEGRATED CONTROLS AS REQUIRED.	LITHONIA	STAK 2X2 3000LM 80CRI 40K COL MIN1 MVOLT NLTAIR2 DGA22	4000K LED 0-10V 1%	120-277V	24.1 W	3,029 LMS	RECESSED	STORAGE
B1	1x4 LED IP5X / IC RATED ALUMINUM FIXTURE WITH FROSTED SMOOTH ACRYLIC LENS, DIMMING DRIVER, LM70-60K HRS.	LITHONIA	CPANL 1X4 AL16 SWW7	4000K LED 0-10V 10%	120-277V	41 W	4,881 LMS	RECESSED	DIRECT MOUNT KIT
B2	1x4 LED IP5X / IC RATED ALUMINUM FIXTURE WITH FROSTED SMOOTH ACRYLIC LENS, DIMMING DRIVER, LM70-60K HRS.	LITHONIA	CPANL 1X4 AL16 SWW7 / DCMK14	4000K LED 0-10V 10%	120-277V	41 W	4,881 LMS	SURFACE	DIRECT MOUNT KIT
D1	CANOPY DOWNLIGHT	LITHONIA	OLCFM 15 4000K 120V DDB	4000K LED	120V	16.6 W	1077 LMS	SURFACE	CANOPY DOWNLIGHT
E	24 INCH DIAMETER, SHALLOW BODY FLUSH SEAMLESS WHITE TRANSLUCENT LENS	G LIGHTING	GL3341 C [FINISH] A	4000K LED 0-10V 1%	120-277V	43 W	3540 LMS	SURFACE	LAY-IN CEILINGS
F	DARK BRONZE WALL MOUNTED CYLINDER	LITHONIA	OLLWU LEF P1 40K MVOLT DDB	4000K LED	120-277V	14 W	978 LMS	WALL MOUNT	CORRIDOR CIRCULATION
T	EXTERIOR WALL SIGNAGE WALL WASH	INSIGHT LIGHTING	MX HO 40K D XXXX CES 96 DIM Finish	4000K LED 0-10V 1%	120-277V	9 W/FT	1600 LMS	RECESSED	WALL SIGNAGE
V	VAPOR TIGHT LIGHT FIXTURE	LITHONIA	OLVTCM 4000K MVOLT GREY	4000K LED	120-277V	15 W	600 LMS	SURFACE	CRAWLSPACE
EM	SURFACE MOUNTED BUG-EYE EMERGENCY UNIT	LITHONIA	EU2C	WHITE	120-277V		NA	UNIVERSAL	EMERGENCY UNIT
PP1	LOW PROFILE IP66 RATED DIE-CAST ALUMINUM LED FIXTURE, 3G VIBRATION RATED, 10kV SURGE PROTECTION, L81-100K HRS, ON 25 FOOT SQUARE STRAIGHT STEEL POLE WITH EXTERNAL GLARE SHIELD.	LITHONIA	DSX1 LED P7 40K 70CRI T4M EGSR MVOLT SPA NLTAIR2 PIRHN [FINISH] DM19AS / ALP SNS 25-40-7 DM19 [FINISH]	4000K LED 0-10V 10%	120-277V	185 W	22,541 LMS	DRILL MOUNT	SITE WITH INTEGRAL CONTROLS
PP2	TWIN LOW PROFILE IP66 RATED DIE-CAST ALUMINUM LED FIXTURE, 3G VIBRATION RATED, 10kV SURGE PROTECTION, L81-100K HRS, ON 25 FOOT SQUARE STRAIGHT STEEL POLE.	LITHONIA	2/DSX1 LED P7 40K 70CRI T5M MVOLT SPA NLTAIR2 PIRHN [FINISH] DM19AS / ALP SNS 25-40-7 DM28 [FINISH]	4000K LED 0-10V 10%	120-277V	370 W	46,382 LMS	DRILL MOUNT	SITE WITH INTEGRAL CONTROLS
PP3	LOW PROFILE IP66 RATED DIE-CAST ALUMINUM LED FIXTURE, 3G VIBRATION RATED, 10kV SURGE PROTECTION, L81-100K HRS, ON 25 FOOT SQUARE STRAIGHT STEEL POLE, INTEGRAL BACK LIGHT CONTROL TYPE III DISTRIBUTION WITH NO...	LITHONIA	DSX1 LED P7 40K 70CRI BLC3 MVOLT SPA NLTAIR2 PIRHN [FINISH] DM19AS / ALP SNS 25-40-7 DM19 [FINISH]	4000K LED 0-10V 10%	120-277V	185 W	16,155 LMS	DRILL MOUNT	SITE WITH INTEGRAL CONTROLS
SE	12 INCH SQUARE X 1.2 INCH LOW PROFILE WET LOCATION ENERGY STAR CERTIFIED SURFACE MOUNT OVER J-BOX	JUNO	JFSSQ 12IN 13LM SWW5 90CRI MVOLT ZT WH	4000K LED 0-10V 10%	120-277V	15 W	1,400 LMS	SURFACE	EXTERIOR SOFFIT
W	ARCHITECTURAL EXTERIOR WALL, BUG RATED 1-0-0, FORWARD THROW, DIE-CAST ALUMINUM HOUSING, VISUAL COMFORT VIEW, RATED FOR IP66 WITH DIMMABLE 0-10V DRIVER, LM91-100K HRS.	LITHONIA	WDGE2 LED P3 40K 80CRI VF MVOLT [CONTROLS] [FINISH]	4000K LED 0-10V 10%	120-277V	23 W	3,132 LMS	WALL MOUNT	FAÇADE
X	UNIVERSAL SURFACE OR RECESSED MOUNT EDGE-LIT EXIT, EMERGENCY, EXTRUDED ALUMINUM, FIELD INSTALLABLE ARROWS.	EELP	EDG UN [NO. FACE] [COLOR] [FINISH]	SPECIFY	120-277V	3 W	NA	UNIVERSAL	EXITS
Y	EXTERIOR DOOR EMGERENCY FIXTURE	LITHONIA	AFO DB MVOLT N SD		120-277V	3W	NA	WALL MOUNT	EMERGENCY LIGHT
M	SUSPENDED 1X4 LIGHT FIXTURE	LITHONIA	CLX L48 4000LM SEF FDL MVOLT GZ10 40K 80CRI WH ZAC120	4000K LED	120-277V				MECHANICAL ROOMS
SL	EXTERIOR COVE LIGHT	ECOSENSE	TROV L50 E 48 06 40 80 M	4000K LED	120-277V	3W/FT	186 LMS	SURFACE	EXTERIOR CANOPY

MECHANICAL EQUIPMENT SCHEDULE (ELECTRICAL)

Mark	Panel-Circuit No.	Voltage	Number of Poles	MCA	MOCP	Power	Disconnect	Notes
CU-1	EXISTING CIRCUIT	208 V	2	23 A	30 A	4784 VA	240V, 30A, NEMA 3R DISCONNECT SWITCH	1,2,3,4,5
DOAS-1	HK-2,4,6	480 V	3	57 A	80 A	40719 VA	600V, 100A, 80AF, 3P, NEMA 3R DISCONNECT SWITCH	1,2,3
EF-1	LK-94	120 V	1	1 A	15 A	114 VA	120V, 15A, 1P, MOTOR RATED SWITCH	1,2,3
EF-2	LK-94	120 V	1	1 A	15 A	114 VA	120V, 15A, 1P, MOTOR RATED SWITCH	1,2,3
EF-3	LK-94	120 V	1	3 A	15 A	390 VA	120V, 15A, 1P, MOTOR RATED SWITCH	1,2,3
EF-4	EXISTING CIRCUIT	120 V	1	1 A	15 A	172 VA	120V, 15A, 1P, MOTOR RATED SWITCH	1,2,3
EF-5	EXISTING CIRCUIT	120 V	1	1 A	15 A	172 VA	120V, 15A, 1P, MOTOR RATED SWITCH	1,2,3
EX-WH-1	LK-36,38	208 V	2	22 A	30 A	4500 VA	240V, 30A, 2P, NEMA 1 DISCONNECT SWITCH	1,2,3
FCU-1	EXISTING CIRCUIT	208 V	2	1 A	30 A	208 VA	240V, 30A, 2P, MOTOR SWITCH	1,2,3,4,5
KEF-1	LK-97	120 V	1	1380 A	30 A	2827 VA	600V, 30A, 3P, NEMA 3R MOTOR RATED SWITCH	1,2,3
KEF-2	LK-95	120 V	1	1380 A	30 A	2827 VA	600V, 30A, 3P, NEMA 3R MOTOR RATED SWITCH	1,2,3
RTU-1	EXISTING CIRCUIT	480 V	3	12 A	15 A	9976 VA	600V, 30A, 3P, NEMA 3R DISCONNECT SWITCH	1,2,3,5
VAV-1	[E]HA-70,72,74	480 V	3	10 A	20 A	6500 VA	600V, 20A, 3P, MOTOR RATED SWITCH	1,2,3
VAV-2	[E]HA-68	277 V	1	16 A	25 A	4500 VA	277V, 30A, 1P, MOTOR RATED SWITCH	1,2,3
VAV-3	[E]HA-76	277 V	1	9 A	20 A	2600 VA	277V, 20A, 1P, MOTOR RATED SWITCH	1,2,3
VAV-4	[E]HA-80	277 V	1	9 A	20 A	2600 VA	277V, 20A, 1P, MOTOR RATED SWITCH	1,2,3
VAV-5	[E]HA-79,81,83EXISTING CIRCUIT	480 V	3	15 A	20 A	12700 VA	277V, 20A, 1P, MOTOR RATED SWITCH	1,2,3,5
VAV-6	[E]HA-78	277 V	1	7 A	20 A	1900 VA	600V, 20A, 3P, MOTOR RATED SWITCH	1,2,3
WH-1	[E]CA-70,72	208 V	2	10 A	20 A	2000 VA	240V, 20A, 2P, MOTOR RATED SWITCH	1,2,3

NOTES:

1. VERIFY ALL MOUNTING REQUIREMENTS WITH EQUIPMENT PROVIDER. COORDINATE EXACT LOCATIONS OF ALL EQUIPMENT WITH ARCHITECT.
2. VERIFY ACTUAL EQUIPMENT LOADS AND CONNECTION REQUIREMENTS WITH MANUFACTURER. DO NOT EXCEED THE LOAD VALUE AS SHOWN ON SCHEDULE. ALL CIRCUITS DESIGNED BASED ON ABOVE LOADS FOR EACH EQUIPMENT. CONTRACTOR SHALL NOT CIRCUIT OR CONNECT ANY EQUIPMENT WHICH EXCEEDS THE CONNECTED LOAD AS SHOWN ON TABLE. WIRE AND CONDUIT SIZES SHALL BE SIZED TO COMPENSATE FOR VOLTAGE DROP PER THE NATIONAL ELECTRICAL CODE.
3. CONTRACTOR SHALL PROVIDE APPROPRIATE RECEPTACLE, JUNCTION BOX, DISCONNECT OR CONNECTION MEANS FOR ALL DEVICES IN EQUIPMENT SCHEDULE EVEN IF NOT NOTED FOR EQUIPMENT INSTALLATION. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT INSTALLER.
4. INDOOR UNIT SHALL RECEIVE POWER FROM OUTDOOR UNIT.
5. REUSE EXISTING CIRCUIT. FIELD VERIFY EXISTING BREAKER MATCHES SCHEDULED MOCP. IF EXISTING BREAKER DOES NOT MATCH, PROVIDE NEW BREAKER CORRESPONDING TO SCHEDULED MOCP.

BRANCH CIRCUIT CONDUCTORS SCHEDULE

BREAKER	CONDUCTORS	BREAKER	CONDUCTORS	BREAKER	CONDUCTORS
15.1	1#12, 1#12 N, 1#12 G, 3/4" C	50.1	1#6, 1#6 N, 1#10 G, 3/4" C	125.1	1#1/0, 1#1/0 N, 1#6 G, 1-1/2" C
15.2	2#12, 1#12 G, 3/4" C	50.2	2#6, 1#10 G, 3/4" C	125.2	2#1/0, 1#6 G, 1-1/2" C
15.3	3#12, 1#12 G, 3/4" C	50.3	3#6, 1#10 G, 3/4" C	125.3	3#1/0, 1#6 G, 1-1/2" C
15.4	3#12, 1#12 N, 1#12 G, 3/4" C	50.4	3#6, 1#6 N, 1#10 G, 1" C	125.4	3#1/0, 1#1/0 N, 1#6 G, 2" C
20.1	1#12, 1#12 N, 1#12 G, 3/4" C	60.1	1#4, 1#4 N, 1#10 G, 1" C	150.1	1#1/0, 1#1/0 N, 1#6 G, 1-1/2" C
20.2	2#12, 1#12 G, 3/4" C	60.2	2#4, 1#10 G, 1" C	150.2	2#1/0, 1#6 G, 1-1/2" C
20.3	3#12, 1#12 G, 3/4" C	60.3	3#4, 1#10 G, 1" C	150.3	3#1/0, 1#6 G, 1-1/2" C
20.4	3#12, 1#12 N, 1#12 G, 3/4" C	60.4	3#4, 1#4 N, 1#10 G, 1 1/4" C	150.4	3#1/0, 1#1/0 N, 1#6 G, 2" C
25.1	1#10, 1#10 N, 1#10 G, 3/4" C	70.1	1#4, 1#4 N 1#8 G, 1" C	175.1	1#2/0, 1#2/0 N, 1#6 G, 2" C
25.2	2#10, 1#10 G, 3/4" C	70.2	2#4, 1#8 G, 1" C	175.2	2#2/0, 1#6 G, 2" C
25.3	3#10, 1#10 G, 3/4" C	70.3	3#4, 1#8 G, 1" C	175.3	3#2/0, 1#6 G, 2" C
25.4	3#10, 1#10 N, 1#10 G, 3/4" C	70.4	3#4, 1#4 N, 1#8 G, 1-1/4" C	175.4	3#2/0, 1#2/0 N, 1#6 G, 2" C
30.1	1#10, 1#10 N, 1#10 G, 3/4" C	80.1	1#3, 1#3 N, 1#8 G, 1-1/4" C	200.1	1#3/0, 1#3/0 N, 1#6 G, 2" C
30.2	2#10, 1#10 G, 3/4" C	80.2	2#3, 1#8 G, 1-1/4" C	200.2	2#3/0, 1#6 G, 2" C
30.3	3#10, 1#10 G, 3/4" C	80.3	3#3, 1#8 G, 1-1/4" C	200.3	3#3/0, 1#6 G, 2" C
30.4	3#10, 1#10 N, 1#10 G, 3/4" C	80.4	3#3, 1#3 N, 1#8 G, 1-1/4" C	200.4	3#3/0, 1#3/0 N, 1#6 G, 2" C
35.1	1#8, 1#8 N, 1#10 G, 3/4" C	90.1	1#2, 1#2 N, 1#8 G, 1-1/4" C	225.1	1#4/0, 1#4/0 N, 1#4 G, 2" C
35.2	2#8, 1#10 G, 3/4" C	90.2	2#2, 1#8 G, 1-1/4" C	225.2	2#4/0, 1#4 G, 2" C
35.3	3#8, 1#10 G, 3/4" C	90.3	3#2, 1#8 G, 1-1/4" C	225.3	3#4/0, 1#4 G, 2" C
35.4	3#8, 1#8 N, 1#10 G, 3/4" C	90.4	3#2, 1#2 N, 1#8 G, 1-1/4" C	225.4	3#4/0, 1#4/0 N, 1#4 G, 2-1/2" C
40.1	1#8, 1#8 N, 1#10 G, 3/4" C	100.1	1#1, 1#1 N, 1#8 G, 1-1/4" C		
40.2	2#8, 1#10 G, 3/4" C	100.2	2#1, 1#8 G, 1-1/4" C		
40.3	3#8, 1#10 G, 3/4" C	100.3	3#1, 1#8 G, 1-1/4" C		
40.4	3#8, 1#8 N, 1#10 G, 3/4" C	100.4	3#1, 1#1 N, 1#8 G, 1-1/2" C		
45.1	1#6, 1#6 N, 1#10 G, 3/4" C	110.1	1#1, 1#1 N, 1#6 G, 1-1/4" C		
45.2	2#6, 1#10 G, 3/4" C	110.2	2#1, 1#6 G, 1-1/4" C		
45.3	3#6, 1#10 G, 3/4" C	110.3	3#1, 1#6 G, 1-1/4" C		
45.4	3#6, 1#6 N, 1#10 G, 1" C	110.4	3#1, 1#1 N, 1#6 G, 1-1/2" C		

REFERENCE THIS TABLE USING BREAKER SIZE OF THE CIRCUIT AND NUMBER OF CONDUCTORS. TAG: [BREAKER AMPS] . [#OF CURRENT CARRYING CONDUCTORS] EXAMPLE: [40.2] = 2-POLE 40 AMP BREAKER

UNLESS INDICATED ELSEWHERE IN THESE CONSTRUCTION DOCUMENTS, PROVIDE 3 CURRENT CARRYING CONDUCTORS FOR ALL 3-POLE BREAKERS.

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS — P. ADAM NEMATI — 102287 — LICENSED PROFESSIONAL ENGINEER — 02/11/2026

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Written dimensions on these drawings shall have precedence over scale dimensions. Contractors shall be responsible for all dimensions and conditions on the job. HarrisonKornberg Architects, LLC must be notified of any variation from the dimension and conditions shown by these drawings.

ISSUES & REVISIONS

No.	Date	Revision
1	02/22/2026	IFP

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

ELECTRICAL SCHEDULES

EZ601

SCALE: 12" = 1'-0"

Project Name: ORG. #235 BAES Date:01/16/2026

Branch Panel: [E]HA

Location: MECH 146
Supply From:
Mounting: SURFACE
Enclosure: Type 1

Volts: 480Y/277
Phases: 3
Wires: 4

A.I.C. Rating: 65000
Mains Type: MCB
Mains Rating: 400 A

Notes:
Estimated existing load 293 Amps

Note	CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT	Note
	1				0 VA	0 VA								2	
	3	(E)	110 A	3			0 VA	0 VA			3	40 A	(E)	4	
	5								0 VA	0 VA				6	
	7				0 VA	0 VA								8	
	9	(E)	70 A	3			0 VA	0 VA			3	25 A	(E)	10	
	11								0 VA	0 VA				12	
	13				0 VA	0 VA								14	
	15	(E)	40 A	3			0 VA	0 VA			3	25 A	(E)	16	
	17								0 VA	0 VA				18	
	19	(E)	20 A	1	0 VA	0 VA								20	
	21	(E)	20 A	1			0 VA	0 VA			3	25 A	(E)	22	
	23	(E)	20 A	1					0 VA	0 VA				24	
	25	(E)	20 A	1	0 VA	0 VA								26	
	27	(E)	20 A	1			0 VA	0 VA			3	15 A	(E)	28	
	29	(E)	20 A	1					0 VA	0 VA				30	
	31	(E)	20 A	1	0 VA	0 VA					1	20 A	(E)	32	
	33	(E)	20 A	1			0 VA	0 VA			1	20 A	(E)	34	
	35	(E)	20 A	1					0 VA	0 VA	1	20 A	(E)	36	
	37	(E)	20 A	1	0 VA	0 VA					1	20 A	(E)	38	
	39	(E)	20 A	1			0 VA	0 VA			1	20 A	(E)	40	
	41	(E)	--	1					--	0 VA	1	20 A	(E)	42	
	43	(E)	20 A	1	0 VA	0 VA					1	20 A	(E)	44	
	45	(E)	20 A	1			0 VA	0 VA			1	20 A	(E)	46	
	47	(E)	20 A	1					0 VA	0 VA	1	20 A	(E)	48	
	49				0 VA	0 VA					1	20 A	(E)	50	
	51	(E)	20 A	3			0 VA	0 VA			1	20 A	(E)	52	
	53								0 VA	0 VA				54	
	55				0 VA	0 VA					3	20 A	(E)	56	
	57	(E)	20 A	3			0 VA	0 VA						58	
	59								0 VA	0 VA				60	
	61				0 VA	0 VA					3	20 A	(E)	62	
	63	(E)	20 A	3			0 VA	0 VA						64	
	65								0 VA	0 VA	1	20 A	(E)	66	
	67				0 VA	4500 VA					1	25 A	C VAV-2	68	3
	69	(E)	20 A	3			0 VA	2167 VA						70	
	71								0 VA	2167 VA	3	20 A	C VAV-1	72	2
	73				0 VA	2167 VA								74	
	75	(E)	20 A	3			0 VA	2600 VA			1	20 A	C VAV-3	76	1
	77								0 VA	1900 VA	1	20 A	C VAV-6	78	1
	79				4233 VA	2600 VA					1	20 A	C VAV-4	80	1
2	81	C VAV-5	20 A	3			4233 VA	600 VA			1	20 A	L Front Entrance Canopy	82	1
	83								4233 VA					84	
			Total Load:		13500 VA		9600 VA		8300 VA						
			Total Amps:		49 A		35 A		30 A						

Load Types		Load	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
C	Cooling	Spare	600 VA	100.00%	600 VA		
F	Fan	C	30800 VA	100.00%	30800 VA	**Total Conn. Load:**	31400 VA
H	Heating					**Total Est. Demand:**	31400 VA
KT	Kitchen					**Total Conn. Current:**	38 A
L	Lighting					**Total Est. Demand Current:**	38 A
M	Misc						
MT	Motor						
R	Receptacle						
WH	Water Heater						

Notes:
1. Provide new 1P/20A breaker
2. Provide new 3P/20A breaker
3. Provide new 1P/25A breaker

Branch Panel: [E]CA

Location: MECH 146
Supply From:
Mounting: SURFACE
Enclosure: TYPE 1

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Notes:
1. Panel is existing to remain.
2. Where Circuits are not indicated "EXISTING", provide new breaker as shown.

Note	CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT	Note
	1	R EXISTING	20 A	1	1080 VA	1080 VA					1	20 A	R EXISTING	2	
	3	R EXISTING	20 A	1			1080 VA	720 VA			1	20 A	R EXISTING	4	
	5	R EXISTING	20 A	1					1080 VA	1080 VA	1	20 A	R EXISTING	6	
	7	R EXISTING	20 A	1	1080 VA	720 VA					1	20 A	R EXISTING	8	
	9	R EXISTING	20 A	1			1080 VA	1080 VA			1	20 A	R EXISTING	10	
	11	R EXISTING	20 A	1					1080 VA	720 VA	1	20 A	R EXISTING	12	
	13	R EXISTING	20 A	1	720 VA	1080 VA					1	20 A	R EXISTING	14	
	15	R EXISTING	20 A	1			1080 VA	720 VA			1	20 A	R EXISTING	16	
	17	R EXISTING	20 A	1					720 VA	720 VA	1	20 A	R EXISTING	18	
	19	R EXISTING	20 A	1	1080 VA	1080 VA					1	20 A	R EXISTING	20	
	21	R EXISTING	20 A	1			720 VA	1080 VA			1	20 A	R EXISTING	22	
	23	R EXISTING	20 A	1					1080 VA	1300 VA	1	20 A	M VENDING MACHINE 153A	24	
	25	R EXISTING	20 A	1	1080 VA	1380 VA					1	20 A	R REF 153A	26	
	27	R EXISTING	20 A	1			1080 VA	1080 VA			1	20 A	R EXISTING	28	
	29	R EXISTING	20 A	1					720 VA	1080 VA	1	20 A	R EXISTING	30	
	31	R EXISTING	20 A	1	360 VA	0 VA								32	
	33	R EXISTING	20 A	1			720 VA	0 VA			3	50 A	EXISTING SPD	34	
	35	R EXISTING	20 A	1					1080 VA	0 VA				36	
	37				9560 VA	6480 VA								38	
	39	[E]CB	100 A	3			9700 VA	6120 VA			3	100 A	[E]CC	40	
	41								8160 VA	6120 VA				42	
3	43	SPARE	20 A	1	0 VA	360 VA					1	20 A	M EXISTING	44	
3	45	SPARE	20 A	1			0 VA	1000 VA			2	30 A	M EXISTING	46	
3	47	SPARE	20 A	1					0 VA	1000 VA				48	
3	49	SPARE	20 A	1	0 VA	500 VA					2	20 A	M EXISTING	50	
3	51	SPARE	20 A	1			0 VA	500 VA						52	
3	53	SPARE	20 A	1					0 VA	360 VA	1	20 A	M EXISTING	54	
3	55	SPARE	20 A	1	0 VA	360 VA					1	20 A	M EXISTING	56	
3	57	SPARE	20 A	1			0 VA	360 VA			1	20 A	M EXISTING	58	
3	59	SPARE	20 A	1					0 VA	180 VA	1	20 A	R ROOF	60	1
	61	C EXISTING	20 A	2	1664 VA	1248 VA					2	15 A	C EXISTING	62	
	63						1664 VA	1248 VA						64	
1	65	R RECEPTION 150	20 A	1					1080 VA	1080 VA	1	20 A	R PARENT RM. X174	66	1
1	67	R ROOM X179, C323	20 A	1	900 VA	1080 VA					1	20 A	R PRINCIPAL XC226	68	1
1	69	R PRINCIPAL CONF. RM. C322	20 A	1			540 VA	1000 VA						70	
1	71	M WASH MACH W/D UTILITY 112	20 A	1					500 VA	1000 VA	2	20 A	WH -1	72	2
	73				3120 VA	--					1	--	SPACE	74	
2	75	M DRYER W/D UTILITY 112	20 A	2			3120 VA	--			1	--	SPACE	76	
1	77	R RECEPTION 150	20 A	1					720 VA	--	1	--	SPACE	78	
1	79	R 153A	20 A	1	720 VA	--					1	--	SPACE	80	
1	81	R PAGING	20 A	1			360 VA	--			1	--	SPACE	82	
	83	SPACE	--	1					--	--	1	--	SPACE	84	
			Total Load:		36732 VA		36052 VA		30860 VA						
			Total Amps:		313 A		307 A		257 A						

Load Types		Load	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
C	Cooling	R	74520 VA	56.71%	42260 VA		
F	Fan	M	21300 VA	100.00%	21300 VA	**Total Conn. Load:**	103644 VA
H	Heating	WH	2000 VA	100.00%	2000 VA	**Total Est. Demand:**	71384 VA
KT	Kitchen	C	5824 VA	100.00%	5824 VA	**Total Conn. Current:**	288 A
L	Lighting					**Total Est. Demand Current:**	198 A
M	Misc						
MT	Motor						
R	Receptacle						
WH	Water Heater						

Notes:
1. Provide new 20A/1P breaker.
2. Provide new 20A/2P breaker.
3. Existing breaker to be field verify if confirmed to be spare contractor is allowed to utilizes existing breaker.

Branch Panel: HK

Location: KITCHEN 150B
Supply From: [E]MSB
Mounting: SURFACE
Enclosure: Type 4X

Volts: 480Y/277
Phases: 3
Wires: 4

A.I.C. Rating: 65000
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 400 A

Notes:
1. Provide Main Circuit Breaker with LSI trip.
2. Iline Panelboard will be required due to breaker sizes.

Note	CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT	Note
	1				48066 VA	13573 VA								2	
1	3	TK	225 A	3			50260 VA	13573 VA			3	80 A	C DOAS-1	4	
	5								46163 VA	13573 VA				6	
	7	L KITCHEN LIGHTING	20 A	1	1059 VA	144 VA					1	20 A	L EXTERIOR SIGNAGE LIGHTING	8	
	9													10	
	11													12	
	13													14	
	15													16	
	17													18	
	19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20	
	21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22	
	23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24	
	25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26	
	27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28	
	29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30	
	31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32	
	33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34	
	35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36	
	37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38	
	39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40	
	41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42	
			Total Load:		62842 VA		63833 VA		59736 VA						
			Total Amps:		229 A		232 A		216 A						

Load Types		Load	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
C	Cooling	Spare	200 VA	100.00%	200 VA		
F	Fan	R	31560 VA	65.84%	20780 VA	**Total Conn. Load:**	186412 VA
H	Heating	MT	6272 VA	111.27%	6979 VA	**Total Est. Demand:**	158955 VA
KT	Kitchen	L	4283 VA	125.00%	5354 VA	**Total Conn. Current:**	224 A
L	Lighting	KT	52726 VA	65.00%	34272 VA	**Total Est. Demand Current:**	191 A
M	Misc	M	86871 VA	100.00%	86871 VA		
MT	Motor	WH	4500 VA	100.00%	4500 VA		
R	Receptacle						
WH	Water Heater						

Notes:
1. Provide breaker with LSI trip.

Branch Panel: LK

Location: KITCHEN 150B
Supply From: TK
Mounting: SURFACE
Enclosure: TYPE 4X

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 400 A

Notes:
1. Provide Main Circuit Breaker with LSI trip. Provide 60 Pole panel sections.
2. All breakers shall be GFCI rated. UNO.

Note	CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT	Note
	1				2288 VA	3543 VA								2	
	3	M EQUIPMENT KITCHEN	30 A	2			2288 VA	3543 VA			3	40 A	KT REFRIGERATION SYS KITCHEN	4	
	5	R ROOF	20 A	1					180 VA	3543 VA				6	
	7	KT CONVECTION STEAMER...	20 A	1	1800 VA	4800 VA								8	
1	9	^SHUNT TRIP^	20 A	1			0 VA	4800 VA			3	50 A	KT HOT/COLD WELLS KITCHEN	10	
	11	KT CONVECTION STEAMER...	20 A	1					1800 VA	4800 VA				12	
1	13	^SHUNT TRIP^	20 A	1	0 VA	384 VA								14	
	15	KT OVEN KITCHEN	20 A	1			720 VA	384 VA			3	20 A	M SCRAP COLLECTOR	16	
1	17	^SHUNT TRIP^	20 A	1					0 VA	384 VA				18	
	19	KT OVEN KITCHEN	20 A	1	720 VA	3207 VA								20	
1	21	^SHUNT TRIP^	20 A	1			0 VA	3207 VA			3	20 A	M POWER SOAK SINK KITCHEN	22	
	23	KT OVEN KITCHEN	20 A	1					720 VA	3207 VA				24	
1	25	^SHUNT TRIP^	20 A	1	0 VA	384 VA								26	
	27	KT OVEN KITCHEN	20 A	1			720 VA	384 VA			3	20 A	M SCRAP COLLECTOR	28	
1	29	^SHUNT TRIP^	20 A	1					0 VA	384 VA				30	
	31	KT BRAISING PAN KITCHEN	20 A	1	600 VA	3120 VA								32	
1	33	^SHUNT TRIP^	20 A	1			0 VA	3120 VA			2	40 A	M WASHER DRYER KITCHEN	34	
	35	R KITCHEN	20 A	1					1920 VA	2250 VA				36	
	37	R KITCHEN	20 A	1	1920 VA	2250 VA					2	30 A	WH EX-WH-1 KITCHEN	38	
	39	R KITCHEN	20 A	1			5760 VA	1425 VA						40	
	41	R KITCHEN	20 A	1					1920 VA	1425 VA	2	20 A	KT FREEZER COIL KITCHEN	42	
	43	R KITCHEN	20 A	1	1920 VA	1612 VA								44	
	45	R KITCHEN	20 A	1			1920 VA	1612 VA			2	20 A	KT HEATED CABINET KITCHEN	46	
	47	M AIR SCREEN KITCHEN	20 A	1					612 VA	600 VA	1	20 A	M DETERGENT SYSTEM KITCHEN	48	
	49	M TEMP ALARM KITCHEN	20 A	1	600 VA	1800 VA					1	20 A	M REVERSE OSMOSIS SYSTEM...	50	
	51	M PANIC BUTTON KITCHEN	20 A	1			1200 VA	1920 VA			1	20 A	R KITCHEN	52	
	53	M ICE MACHINE KITCHEN	20 A	1					1428 VA	1920 VA	1	20 A	R KITCHEN	54	
	55	R KITCHEN	20 A	1	1920 VA	1920 VA					1	20 A	R KITCHEN	56	
	57	M FIRE PROT SYS KITCHEN	20 A	1			120 VA	1800 VA			1	20 A	KT HEATED TOP KITCHEN	58	
	59	L HOOD LIGHTS KITCHEN	20 A	1					1200 VA	1800 VA	1	20 A	KT FROST TOP KITCHEN	60	
	61	M HEAT SENSOR KITCHEN	20 A	1	1200 VA	1920 VA					1	20 A	M DOOR HEATER/LIGHTS KITCHEN	62	
	63	M DRAIN LINE HEATER	20 A	1			1920 VA	600 VA			1	20 A	M PRESSURE RELIEF KITCHEN	64	
	65	KT REFRIGERATOR KITCHEN	20 A	1					864 VA	1920 VA	1	20 A	R KITCHEN	66	
	67	M CASH REGISTER KITCHEN	20 A	1	1920 VA	1200 VA					1	20 A	L HOOD LIGHTS KITCHEN	68	
	69	R KITCHEN	20 A	1			1920 VA	1200 VA			1	20 A	M HEAT SENSOR KITCHEN	70	
	71	R KITCHEN	20 A	1					180 VA	1920 VA	1	20 A	R KITCHEN	72	
	73	KT COOLER COIL KITCHEN	20 A	1	216 VA	600 VA					1	20 A	M TEMP ALARM KITCHEN	74	
	75	KT ELEV FROST TOP KITCHEN	20 A	1			1800 VA	600 VA			1	20 A	M PRESSURE RELIEF KITCHEN	76	
	77	KT ELEV FROST TOP KITCHEN	20 A	1					1800 VA	1920 VA	1	20 A	M DOOR HEATER/LIGHTS KITCHEN	78	
	79	KT HEATED TOP KITCHEN	20 A	1	1800 VA	120 VA					1	20 A	M FIRE PROT SYS KITCHEN	80	
	81	KT FROST TOP KITCHEN	20 A	1			1800 VA	1800 VA			1	20 A	R KITCHEN	82	
	83								0 VA	1920 VA	1	20 A	M DRAIN LINE HEATER	84	
2	85	SPD	50 A	3	0 VA	864 VA					1	20 A	KT REFRIGERATOR KITCHEN	86	
	87						0 VA	1800 VA			1	20 A	KT MILK COOLER KITCHEN	88	
	89	M DRINKING FOUNTAIN	20 A	1					600 VA	1920 VA	1	20 A	M CASH REGISTER KITCHEN	90	
	91	M DRINKING FOUNTAIN	20 A	1	600 VA	12 VA					1	20 A	M COILING DOOR	92	
	93	R E615	20 A	1			600 VA	618 VA			1	15 A	MT EF-2	94	
	95	MT KEF-2	20 A	1					2827 VA	200 VA	1	20 A	ANSUL SHUNT	96	3
	97	MT KEF-1	20 A	1	2827 VA									98	
	99	L EXTERIOR CANOPY	20 A	1			680 VA	0 VA			1	20 A	SPARE	100	
	101	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	102	
	103	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	104	
	105	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	106	
	107	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	108	
			Total Load:		48066 VA		50260 VA		46163 VA						
			Total Amps:		403 A		421 A		385 A						

Load Types		Load	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
C	Cooling	Spare	200 VA	100.00%	200 VA		
F	Fan	R	31560 VA	65.84%	20780 VA	**Total Conn. Load:**	144490 VA
H	Heating	MT	6272 VA	111.27%	6979 VA	**Total Est. Demand:**	116733 VA
KT	Kitchen	L	3080 VA	125.00%	3850 VA	**Total Conn. Current:**	401 A
L	Lighting	KT	52726 VA	65.00%	34272 VA	**Total Est. Demand Current:**	324 A
M	Misc	M	46152 VA	100.00%	46152 VA		
MT	Motor	WH	4500 VA	100.00%	4500 VA		
R	Receptacle						
WH	Water Heater						

Notes:
1. ^^SHUNT TRIP^^ indicates the above breaker shall be provided with shunt trip. Provide contactor for Shunt Trip breaker to ansul system.
2. Coordinate breaker and wire size with SPD manufacturer.
3. Breaker not to be GFCI rated.

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS — P. ADAM NEMAITI — 102287 — LICENSED PROFESSIONAL ENGINEER — 02/11/2026

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Written dimensions on these drawings shall have precedence over scale dimensions. Contractors shall be responsible for all dimensions and conditions on the job. HarrisonKornberg Architects, LLC must be notified of any variation from the dimension and conditions shown by these drawings.

ISSUES & REVISIONS

No.	Date	Revision
1	02/22/2026	IFP

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

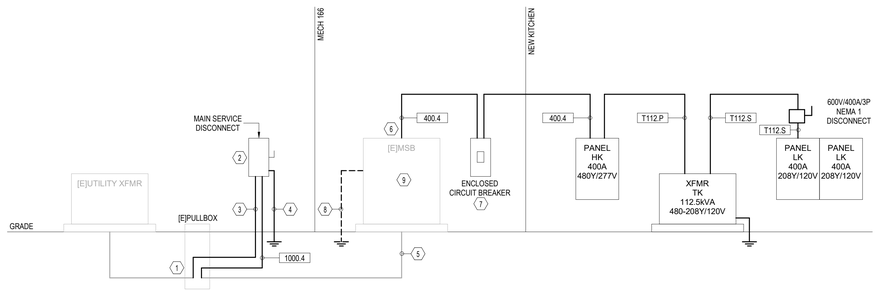
PROJECT CODE
31.00430

ELECTRICAL PANEL SCHEDULES

EZ602

SCALE:

Project Name: ORG. #235 BAES Date:01/16/2026



2 ELECTRICAL PARTIAL RISER DIAGRAM

NTS

FEEDER SCHEDULE BY SYMBOL: XXXX.X

FEEDER TAG	FEEDER DESCRIPTION	FEEDER TAG	FEEDER DESCRIPTION
15.3 15.4	15.3 3#12, 1#12 G, 3/4" C 15.4 3#12, 1#12 N, 1#12 G, 3/4" C	110.3 110.4	110.3 3#1, 1#6 G, 1-1/4" C 110.4 3#1, 1#1 N, 1#6 G, 1-1/2" C
20.3 20.4	20.3 3#12, 1#12 G, 3/4" C 20.4 3#12, 1#12 N, 1#12 G, 3/4" C	125.3 125.4	125.3 3#1/0, 1#6 G, 1-1/2" C 125.4 3#1/0, 1#1/0 N, 1#6 G, 2" C
25.3 25.4	25.3 3#10, 1#10 G, 3/4" C 25.4 3#10, 1#10 N, 1#10 G, 3/4" C	150.3 150.4	150.3 3#1/0, 1#6 G, 1-1/2" C 150.4 3#1/0, 1#1/0 N, 1#6 G, 2" C
30.3 30.4	30.3 3#10, 1#10 G, 3/4" C 30.4 3#10, 1#10 N, 1#10 G, 3/4" C	175.3 175.4	175.3 3#2/0, 1#6 G, 2" C 175.4 3#2/0, 1#2/0 N, 1#6 G, 2" C
35.3 35.4	35.3 3#8, 1#10 G, 3/4" C 35.4 3#8, 1#8 N, 1#10 G, 3/4" C	200.3 200.4	200.3 3#3/0, 1#6 G, 2" C 200.4 3#3/0, 1#3/0 N, 1#6 G, 2" C
40.3 40.4	40.3 3#8, 1#10 G, 3/4" C 40.4 3#8, 1#8 N, 1#10 G, 3/4" C	225.3 225.4	225.3 3#4/0, 1#4 G, 2" C 225.4 3#4/0, 1#4/0 N, 1#4 G, 2-1/2" C
45.3 45.4	45.3 3#6, 1#10 G, 3/4" C 45.4 3#6, 1#6 N, 1#10 G, 1" C	250.3 250.4	250.3 3#250KCMIL, 1#4 G, 2-1/2" C 250.4 3#250KCMIL, 1-250KCMIL N, 1#4 G, 2-1/2" C
50.3 50.4	50.3 3#6, 1#10 G, 3/4" C 50.4 3#6, 1#6 N, 1#10 G, 1" C	300.3 300.4	300.3 3#350KCMIL, 1#4 G, 2-1/2" C 300.4 3#350KCMIL, 1-350KCMIL N, 1#4 G, 3" C
60.3 60.4	60.3 3#4, 1#10 G, 1" C 60.4 3#4, 1#4 N, 1#10 G, 1 1/4" C	350.3 350.4	350.3 3#500KCMIL, 1#3 G, 3" C 350.4 3#500KCMIL, 1-500KCMIL N, 1#3 G, 3-1/2" C
70.3 70.4	70.3 3#4, 1#8 G, 1" C 70.4 3#4, 1#4 N, 1#8 G, 1-1/4" C	400.3 400.4	400.3 2 SETS EACH OF [3#3/0, 1#3 G, 2" C] 400.4 2 SETS EACH OF [3#3/0, 1#3/0 N, 1#3 G, 2-1/2" C]
80.3 80.4	80.3 3#3, 1#8 G, 1-1/4" C 80.4 3#3, 1#3 N, 1#8 G, 1-1/4" C	800.3 800.4	800.3 3 SETS EACH OF [3#300KCMIL, 1#1/0 G, 3" C] 800.4 3 SETS EACH OF [3#300KCMIL, 1#300KCMIL N, 1#1/0 G, 3" C]
90.3 90.4	90.3 3#2, 1#8 G, 1-1/4" C 90.4 3#2, 1#2 N, 1#8 G, 1-1/4" C	1000.3 1000.4	1000.3 3 SETS EACH OF [3#400KCMIL, 1#2/0 G, 3" C] 1000.4 3 SETS EACH OF [3#400KCMIL, 1#400KCMIL N, 1#2/0 G, 3" C]
100.3 100.4	100.3 3#1, 1#8 G, 1-1/4" C 100.4 3#1, 1#1 N, 1#8 G, 1-1/2" C		

NOTES ON NUMBER OF CONDUCTORS:
1. FOR XXXX.1 PROVIDE (1)ONE HOT CONDUCTOR, (1)ONE NEUTRAL CONDUCTOR, (1)ONE GROUND CONDUCTOR, AND USE CONDUIT SIZE FROM XXXX.3. EXAMPLE- 150.1 = 1#1/0, 1#1/0 N, 1#6 G, 1-1/2" C.
2. FOR XXXX.2 PROVIDE (2)TWO HOT CONDUCTORS, (1)ONE GROUND CONDUCTOR AND USE CONDUIT SIZE FROM XXXX.3
EXAMPLE: 110.2 = 2#1, 1#6 G, 1-1/4" C.

NOTES ON HOW TO USE THIS TABLE:
1. FOR CONDUIT AND CONDUCTOR SIZING ON RISER, REFERENCE THIS TABLE USING RECTANGULAR CONDUCTOR TAGS.
2. FOR CONDUIT AND CONDUCTOR SIZING OF ALL OTHER CIRCUITS, REFERENCE THIS TABLE USING THE BREAKER SIZE AND NUMBER OF POLES FOR THE BREAKER. (1)ONE POLE = XXXX.1 | (2)TWO POLE = XXXX.2 | (3)THREE POLE = XXXX.3 | (4)FOUR POLE = XXXX.4

TRANSFORMER FEEDER SCHEDULE BY SYMBOL: XXXX.X

XFMR SIZE (KVA)	PRIMARY			SECONDARY			GROUNDING ELECTRODE CONDUCTOR
	FEEDER TAG	BREAKER (A)	FEEDER	FEEDER TAG	BREAKER (A)	FEEDER	
15	T15.P	30	3#10, 1#10 G, 3/4"C	T15.S	60	4#6, 1#8 G, 1"C	#8
30	T30.P	60	3#6, 1#10 G, 1"C	T30.S	100	4#2, 1#8 G, 1-1/2"C	#8
45	T45.P	90	3#3, 1#8 G, 1-1/4"C	T45.S	150	4#1/0, 1#6 G, 2"C	#6
75	T75.P	150	3#1/0, 1#6 G, 1-1/2"C	T75.S	225	4#4/0, 1#2 G, 2-1/2"C	#2
112.5	T112.P	225	3#4/0, 1#4 G, 2"C	T112.S	400	4#500KCMil, 1#1/0 G, 3-1/2"C	#1/0
150	T150.P	300	3#350, 1#4 G, 3"C	T150.S	600	(2) 4#350KCMil, 1#2/0 G, 3"C	#2/0
225	T225.P	450	(2) #4/0, 1#2 G, 2"C	T225.S	800	(2) 4#500KCMil, 1#2/0 G, 3-1/2"C	#2/0
300	T300.P	600	(2) 3#350, 1#1 G, 3"C	T300.S	1200	(4) 4#350KCMil, 1#3/0 G, 3"C	#3/0
500	T500.P	1000	(3) 3#400KCMil, 1#2/0 G, 3"C	T500.S	1600	(5) 4#400KCMil, 1#250 G, 3-1/2"C	#3/0

NOTES BY SYMBOL

1. INTERCEPT EXISTING '[E]MSB' FEEDER IN EXISTING PULL BOX. PROVIDE NEW CONDUCTORS TO AND FROM NEW MAIN SERVICE DISCONNECT SWITCH.
2. PROVIDE 600V, 1000A,1200AF, 3P, NEMA 3R, HEAVY DUTY FUSED DISCONNECT SWITCH.
3. PROVIDE 3 SETS EACH OF [3#400KCMil, 1#400KCMil N, 3" C].
4. PROVIDE (1) #3/0 GROUNDING ELECTRODE CONDUCTOR AND CONNECT TO EXISTING GROUNDING ELECTRODE SYSTEM. REFER TO GROUNDING SCHEMATIC DETAIL FOR ADDITIONAL INFORMATION AND REQUIREMENTS. PROVIDE MAIN BONDING JUMPER.
5. PROVIDE (3) #2/0 GROUND CONDUCTORS FROM '[E]MSB' TO NEW MAIN SERVICE DISCONNECT IN EXISTING CONDUIT.
6. TAP FEEDER TO '[E]MSB' BUS AND ROUTE TO NEW ENCLOSED CIRCUIT BREAKER.
7. PROVIDE 480Y/277V, 400A, 3P ENCLOSED CIRCUIT BREAKER.
8. EXISTING MAIN BONDING JUMPER TO BE REMOVED FROM MSB.
9. PROVIDE UPDATED ARC FLASH RATING LABEL.

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX. 75207
p. 713-229-0688
f. 713-229-0692
Contact: Kristopher McGraw

STATE OF TEXAS — P. ADAM NEMAITI — 102287 — LICENSED PROFESSIONAL ENGINEER — 01/12/2026

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ISSUES & REVISIONS

No.	Date	Revision
1	02/22/2026	IFP

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

ELECTRICAL DIAGRAMS

EZ701

SCALE: As indicated

Project Name: ORG. #235 BAES Date:01/16/2026

DISD RESPONSIBILITY MATRIX

Updated: June 18, 2021

Dallas ISD Organization	Dallas ISD Dept/Div/ Group	Building System	Description: Equipment & Devices	Equipment & Devices:	Pathways, Cable Trays, Conduit, Backboxes, et al:	Equipment & Devices:	Pathways, Cable Trays, Conduit, Backboxes, et al:	Power:
				Designed & Documented for Construction by	Designed & Documented for Construction by	Provided and installed by	Provided and installed by	Provided and installed by
M&O	Grounds	Marquee Sign	Marquee Sign	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
M&O	EMS/Controls	BAS	JACE-Equipment,Cabling, Devices	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
M&O	Elevators	Elevators	Wireless Emergency Call-Out	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
M&O	Elevators	Elevators	Sump High Float Local Alarm	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
M&O	Alarms	Fire (Sprinkler) Suppression	Flow Detection	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
M&O	Alarms	Fire Alarm	Fire Alarm Wireless Radio (AES) Call-out, Panels, Cabling, Devices	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
IT	Infrastructure	E-Rate	Technology Infrastructure	A/E IT-Consultant	A/E	IT-Infrastructure PM	CS-General Contractor	CS-General Contractor
IT	Infrastructure	Fiber Optic	Fiber Optic Cable from street to MDF UPN	IT - Fiber Contractor	A/E (including civil pads, vaults)	IT - Fiber Contractor	CS-General Contractor (including civil pads, vaults)	N/A
IT	Infrastructure	Network	Fiber Optic Cabling - Dark Fiber	IT - Fiber Contractor	A/E (including civil pads, vaults)	IT - Fiber Contractor	CS-General Contractor (including civil pads, vaults)	N/A
IT	Infrastructure	Network	Fiber Optic Backbone Cabling: MDF to IDFs	IT - Cabling Contractor	A/E		CS-General Contractor	N/A
IT	Infrastructure	Infrastructure	Fiber Optic Patch Panels, Jumpers, et al	IT - Cabling Contractor	N/A	IT - Cabling Contractor	N/A	N/A
IT/Police	CSS EM	Access Control	MDF & IDF Room Security	CSS - Security Contractor	A/E	CSS - Security Contractor	CS-General Contractor	N/A
IT	Infrastructure	Network	MDF/IDF: High Heat Alarm Signal	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
IT/M&O	Infrastructure Electrical	Network	MDF/IDF: Lightning Protection System and Event Alert	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
IT	Infrastructure	Network	Portables	A/E	A/E	CS-General Contractor	CS-General Contractor	N/A
IT	Infrastructure	Network	UPS	A/E	A/E	IT-Network Equipment Contractor	CS-General Contractor	CS-General Contractor
IT	Infrastructure	Network	Wireless Access Points (WAPs)	A/E IT-Consultant1	A/E	IT-Network Equipment Contractor	CS-General Contractor	N/A
IT	Infrastructure	Network	Cabling	A/E IT-Consultant1	A/E	IT - Cabling Contractor	CS-General Contractor	N/A
IT	Infrastructure	Network	Patch Panels	A/E IT-Consultant1	N/A	IT - Cabling Contractor	N/A	N/A
IT	Infrastructure	Network	Racks (Floor Mounted)	A/E	N/A	CS-General Contractor	N/A	CS-General Contractor
IT	Infrastructure	Network	Racks (Wall Mounted)	A/E	N/A	CS-General Contractor	N/A	CS-General Contractor
IT	Infrastructure	Network	Patch Cables	A/E IT-Consultant1	N/A	IT - Technology Contractor	N/A	N/A
IT	Infrastructure	Network	Biometric Clocks (Bioclocks)	A/E	A/E	Cabling by IT-Cabling Contractor. Device provided by CS-GC purchased from IT-Biometric Clock Vendor	CS-General Contractor	POE by IT-Cabling Contractor. Does not require line voltage power.
IT	Infrastructure	Network	POE Switch Network	IT-Network Equipment Contractor	N/A	IT-Network Equipment Contractor	N/A	N/A
M&O	Sound Stage	Voice Communications	PA IP Integrated Electronic Communications Network	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
M&O	Sound Stage	Network	Master Clock	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
M&O	Sound Stage	Voice Communications	VoIP	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
M&O	Sound Stage	Voice Communications	Sound System	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
M&O	Sound Stage	Voice Communications	POE Switches PA/Sound	A/E	N/A	CS-General ontractor	N/A	CS-General Contractor
M&O	Sound Stage	Voice Communications	Patch Cables PA/Sound	A/E	N/A	CS-General Contractor	N/A	N/A
M&O	Sound Stage	Voice Communications	Patch Panels Sound System	A/E	N/A	CS-General Contractor	N/A	N/A
IT	Audio-Visual	Distributed Audio-Video Communications Systems	Interactive Displays	IT A/V Vendor	A/E	IT A/V Vendor	CS-General Contractor	CS-General Contractor
IT/AES	Audio-Visual Performing Arts	Distributed Audio-Video Communications Systems	Auditoriums: Sound System	A/E Theatre Consultant	A/E	CS-General Contractor purchased from IT A/V Vendor	CS-General Contractor	CS-General Contractor
IT/AES	Audio-Visual Performing Arts	Distributed Audio-Video Communications Systems	Auditorium: Video Projector and Screen	A/E Theatre Consultant	A/E	CS-General Contractor purchased from IT A/V Vendor	CS-General Contractor	CS-General Contractor
IT	Audio-Visual	Distributed Audio-Video Communications Systems	Multi-Purpose Rooms: Sound System	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
IT	Audio-Visual	Audio-Visual	Cafetoriums: Sound System	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
IT	Audio-Visual	Audio-Visual	Cafetorium: Video Projector and Screen	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
M&O	Sound Stage	Distributed Audio-Video Communications Systems	Gymnasium: Sound System	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
IT	Infrastructure	Food and Child Nutrition Services	Cafeteria Point of Sale (POS)	FCNS Contractor	A/E	FCNS Contractor	CS-General Contractor	CS-General Contractor
IT	Infrastructure	Food and Child Nutrition Services	Cafeteria Digital Displays	A/E IT-Consultant & A/E	A/E	Display: CS-General Contractor Cabling: IT-Technology Contractor	CS-General Contractor	CS-General Contractor
IT/Police	CSS/EM	Network	Patch Panels Security	CSS - Security Contractor	N/A	CSS - Security Contractor	N/A	N/A
IT/Police	CSS/EM	Network	POE Switches Security...	CSS -...	N/A	CSS -...	N/A	CS-General Contractor
M&O	Alarms	Intrusion Detection System	Intrusion Wireless Call- Out, Panels, Keypads, Cabling,Devices	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
IT/Police	CSS/EM	Storm Shelter Operations	Control Room: Panels, monitoring and operational controls, devices, and signage	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
IT/Police M&F	CSS/EM...	UPS (Non-...	Storm Shelter Power and Monitoring:...	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
IT/Police	CSS/EM	Secure Vestibule	See "Access Control", Div 28	CSS -Security Contractor	A/E	CSS - Security Contractor	CS-General Contractor	CS-General Contractor
IT/Police	CSS/EM	Access Control	Card Access/CCTV Headend Licensing	CSS - Security Contractor	N/A	CSS - Security Contractor	N/A	N/A
IT/Police	CSS/EM	Access Control	Control Panels	CSS - Security Contractor	N/A	CSS - Security Contractor	N/A	CS-General Contractor
IT/Police	CSS/EM	Access Control	Card Readers	CSS - Security Contractor	A/E	CSS - Security Contractor	CS-General Contractor	N/A
IT/Police	CSS/EM	Access Control	Door Contacts	CSS - Security Contractor	A/E	CSS - Security Contractor	CS-General Contractor	N/A
IT/Police	CSS/EM	Access Control	Electrified Door Hardware	A/E	A/E	CS-General Contractor	CS-General Contractor	N/A
IT/Police	CSS/EM	Access Control	Electrified Door Hardware Powern Supplies	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
IT/Police	CSS/EM	Access Control	IP Intercoms: Masters	CSS - Security Contractor	A/E	CSS - Security Contractor	CS-General Contractor	N/A
IT/Police	CSS/EM	Security: Electronic Surveillance	Cameras: Exterior	CSS - Security Contractor	A/E	CSS - Security Contractor	CS-General Contractor	N/A
IT/Police	CSS/EM	Security: Electronic Surveillance	Cameras: Interior	CSS - Security Contractor	A/E	CSS - Security Contractor	CS-General Contractor	N/A
IT/SPED	CSS	Safety & Security	SPED Monitoring System Cameras and Recording	CSS - Security Contractor	A/E	CSS - Security Contractor	CS-General Contractor	CS-General Contractor
IT/Police	CSS/EM	Security: Electronic Surveillance	Cabling: Switch to Device	CSS - Security Contractor	A/E	CSS - Security Contractor	CS-General Contractor	CS-General Contractor
IT/Police	CSS/EM	Security: Electronic Surveillance	Storage Servers	CSS - Security Contractor	N/A	CSS - Security Contractor	N/A	CS-General Contractor

FIRE ALARM GENERAL NOTES

1. BUILDING IS CLASSIFIED AS GROUP "E" OCCUPANCY. INSTALLATION SHALL CONFORM TO ALL 2021 INTERNATIONAL FIRE CODE REQUIREMENTS SPECIFIED UNDER THIS GROUP AS WELL AS ANY CITY OF DALLAS AMENDMENTS OR CODES.
2. CONTRACTOR IS RESPONSIBLE FOR CREATING SHOP DRAWINGS OF ALL NEW FIRE ALARM SYSTEM COMPONENTS (DESIGNED AND SEALED BY A NICET LEVEL III FIRE ALARM DESIGNER). CONTRACTOR'S SHOP DRAWINGS SHALL BE IN COMPLIANCE WITH CITY'S REQUIREMENTS, AND SHALL BE SUBMITTED TO AND APPROVED BY THE CITY FIRE ALARM AUTHORITY HAVING JURISDICTION PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL PERMIT FEES REQUIRED.
3. PROVIDE AND INSTALL MASS NOTIFICATION FIRE ALARM DEVICES, INCLUDING ALL REQUIRED CONDUIT, BACKBOXES, ETC. CONTRACTOR IS RESPONSIBLE FOR VOLTAGE DROP CALCULATIONS AND POWER SUPPLY CALCULATIONS REQUIRED TO MEET MANUFACTURER'S REQUIREMENTS. CONTRACTOR SHALL PROVIDE ANY NECESSARY MATERIALS REQUIRED FOR THE SYSTEM TO FUNCTION AS REQUIRED PER SPECIFICATIONS AND DISD TECHNICAL DESIGN GUIDELINE REQUIREMENTS.
4. ALL SPEAKERS/STROBES AND STROBES MUST BE SYNCHRONIZED.
5. INSTALLATION SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE ELECTRICAL CODES, LOCAL, STATE AND FEDERAL FIRE ALARM CODE AND AUTHORITIES HAVING JURISDICTION.
6. WIRING METHODS AND MATERIALS SHALL CONFORM WITH ALL APPLICABLE SECTIONS OF NEC ARTICLE 760.
7. 120 VAC @60 Hz INPUT POWER FOR FIRE ALARM CONTROLS SHALL BE A DEDICATED LOCKING BREAKER PROPERLY LABELED SOURCE. FIRE ALARM CONTRACTOR MUST COORDINATE ALL REQUIRED 120V CIRCUIT REQUIREMENTS WITH ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR MUST PROVIDE POWER, INCLUDING ALL CONDUITS AND CONDUCTORS, TO ALL NECESSARY FIRE ALARM COMPONENTS REQUIRING 120V POWER, AND MUST INCLUDE THIS WORK IN BID.
8. ALL WIRING INCLUDING SHIELDING, MUST BE DRY AND FREE OF SHORTS AND GROUND FAULTS.
9. 120 VAC IS NOT PERMITTED IN SAME CONDUIT WITH LOW VOLTAGE WIRING.
10. ANY SMOKE DETECTOR HEAD INSTALLED BEFORE BUILDING IS CLEANED AND ACCEPTED SHALL BE COVERED TO PROTECT FROM DUST AND ANY FALSE ALARMS DUE TO DIRT-CONTAMINATED HEADS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
11. MANUAL PULL STATIONS SHALL BE MOUNTED AT 48 INCHES ABOVE FINISHED FLOOR TO CENTERLINE OF DEVICE.
12. LOCAL FIRE AUTHORITY SHALL WITNESS FINAL TEST.
13. ALL INITIATING CIRCUITS SHALL BE CLASS "A" WITH 6 FOOT SEPARATION, POWER LIMITED.
14. ALL NOTIFICATION CIRCUITS SHALL BE CLASS "B", POWER LIMITED.
15. DUCT SMOKE DETECTORS SHALL BE INSTALLED AND POWERED BY CONTRACTOR, AND CONNECTED TO EXISTING FIRE ALARM SYSTEM.
16. CONTRACTOR TO ARRANGE COMPLETE TRAINING FOR MAINTENANCE PERSONNEL.
17. CONTRACTOR SHALL PROVIDE ALL ITEMS REQUIRED BY AUTHORITIES HAVING JURISDICTION AT NO EXTRA COST TO THE OWNER.
18. ANY ELECTRONIC LOCK OR ACCESS CONTROLLED DOORS SHALL RELEASE LOCK UPON FIRE ALARM ACTIVATION.
19. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL CONDUIT AND DEVICE BOX INFRASTRUCTURE FOR THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM COMPONENTS, AND SHALL INCLUDE THIS WORK IN BID.
20. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
21. FIRE ALARM SYSTEM WORK TO BE COMPLETED WHILE THE SCHOOL IS NOT OCCUPIED.
22. ALL FIRE ALARM SYSTEM SHALL BE INSTALLED IN SUCH A MANNER THAT THE FAILURE OF ANY SINGLE ALARM INITIATING DEVICE OR SINGLE OPEN IN AN INITIATING CIRCUIT CONDUCTOR WILL NOT INTERFERE WITH THE NORMAL OPERATION OF OTHER SUCH DEVICES. ALL INITIATING CIRCUIT CONDUCTORS SHALL BE CLASS "A" OR CLASS "X" WIRED WITH A MINIMUM OF SIX FOOT HORIZONTAL AND VERTICAL SEPARATION BETWEEN SUPPLY AND RETURN CIRCUIT CONDUCTORS. ALL FIRE ALARM SYSTEMS SHALL BE WIRED AS FOLLOWS: IDC - CLASS A OR CLASS "X" STYLE - D; SLC -CLASS A OR CLASS "X" STYLE 6: NAC -CLASS B.
23. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND DALLAS AMENDMENTS CODES.
24. CONDUCT TESTING TO VERIFY IF A ERCES IS REQUIRED. COORDINATE WITH FIRE OR POLICE CHIEF ON THE REQUIRED SIGNAL STRENGTH. AN ALLOWANCE SHALL BE INCLUDED TO TEST AND INSTALL EMERGENCY RADIO COMMUNICATION ENHANCEMENT SYSTEMS (ERCES).

FIRE ALARM SEQUENCE OF OPERATION

A. ACTIVATION OF ANY WATERFLOW SWITCH, HEAT DETECTOR (NOT INCLUDING KILN HEAT DETECTOR), MANUAL PULL STATION OR SMOKE DETECTOR SHALL:
   1. INDICATE AT CONTROL PANEL ORIGIN OF ALARM VIA A FLASHING L.E.D.
   2. ACTIVATE AN AUDIBLE SIGNAL AT THE FIRE ALARM CONTROL PANEL.
   3. ACTIVATE BUILDING AUDIBLE DEVICES.
   4. ACTIVATE BUILDING VISUAL DEVICES.
   5. REPORT ALARM CONDITION TO UL LISTED CENTRAL STATION.

B. ACTIVATION OF KILN HEAT DETECTOR SHALL:
   1. INDICATE AT CONTROL PANEL ORIGIN OF ALARM VIA A FLASHING L.E.D.
   2. ACTIVATE AN AUDIBLE SIGNAL AT THE FIRE ALARM CONTROL PANEL.
   3. REPORT ALARM CONDITION TO UL LISTED CENTRAL STATION.

C. CLOSURE OF ANY SUPERVISED SPRINKLER SYSTEM SHUT-OFF VALVE SHALL:
   1. INDICATE AT CONTROL PANEL ORIGIN OF ALARM VIA A FLASHING L.E.D.
   2. SOUND AN AUDIBLE SIGNAL (SEPARATE AND DISTINCT FROM ALARM AND TROUBLE) AT FIRE ALARM CONTROL PANEL. AUDIBLE SIGNAL SHALL BE SILENCEABLE, BUT SHALL OPERATE IN A MANNER SIMILAR TO THAT DESCRIBED FOR TROUBLE SIGNAL SILENCING.
   3. REPORT SUPERVISORY CONDITION TO UL LISTED CENTRAL STATION.

D. OCCURRENCE OF A FAULT IN WIRING ON ANY SUPERVISED CIRCUIT WITHIN SYSTEM SHALL:
   1. INDICATE AT CONTROL PANEL VIA A YELLOW L.E.D. WHICH SPECIFIC CIRCUIT HAS A FAULT.
   2. SOUND AN AUDIBLE SIGNAL AT FIRE ALARM CONTROL PANEL. SIGNAL SHALL BE SILENCEABLE BY MEANS OF A PUSH-BUTTON. HOWEVER, A YELLOW L.E.D. SHALL CONTINUE TO IDENTIFY PRESENCE OF A TROUBLE CONDITION UNTIL IT IS CLEARED UPON CLEARING OF ALL TROUBLES WITHIN THE SYSTEM, TROUBLE SIGNAL SHALL RESOUND UNTIL TROUBLE SWITCH IS RESTORED TO THE NORMAL POSITION.
   3. REPORT TROUBLE CONDITION TO UL LISTED CENTRAL STATION.

LOW VOLTAGE LEGEND

FIRE ALARM

FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR
S	SMOKE DETECTOR
H	HEAT DETECTOR
	WALL/CEILING HORN/STROBE
	WALL/CEILING VISUAL STROBE
P	MANUAL PULL STATION

CABLE ROUTING

ALL CABLING ABOVE CORRIDOR CEILINGS SHALL BE ROUTED WITHIN CABLE TRAY. BRANCH RUNS SHALL BE ROUTED WITHIN J-HOOKS.

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
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No.	Date	Revision
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CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

FIRE ALARM GENERAL NOTES AND LEGEND

FA001

SCALE: 12" = 1'-0"

Project Name: ORG. #235 BAES Date:01/16/2026

PLAN NOTES

T. COORDINATE DEVICE LOCATIONS IN FINISHED SPACES WITH ARCH REFLECTED CEILING PLAN (RCP). RELOCATE DEVICES TO RESOLVE INTERFERENCE & CONFLICTS. FINAL LOCATIONSHALL CONFORM TO NFPA 72 AND UL REQUIREMENTS.

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C. FIRE ALARM SYSTEM SHALL HAVE SURGE PROTECTION AT EACH LOCATION SIGNALING LINE CIRCUIT LEAVES BUILDING.

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E. ALL FIRE ALARM CIRCUITS SHALL HAVE LOCK-ON BREAKERS PER NEC.

F. PROVIDE WIRE GUARD FOR ALL FIRE ALARM DEVICES IN THE GYMNASIUM.

G. PROVIDE DUCT TYPE SMOKE DETECTOR IN DUCT SUPPLY AND RETURN DUCT AS REQUIRED FOR ALL MECHANICAL EQUIPMENT WITH 2000 CFM OR GREATER. CONTRACTOR SHALL VERIFY EXACT QUANTITY AND LOCATION WITH MECHANICAL CONTRACTOR. REFER TO MECHANICAL SCHEDULES FOR EXACT QUANTITIES

H. CONTRACTOR TO PATCH AND REPAIR EXISTING FIRE ALARM LOCATIONS THAT ARE REMOVED.

I. ALL 120V CIRCUITS PERTAINING TO ALL REMOTE POWER SUPPLIES THROUGHOUT THE BUILDING SHALL BE REUSED TO SERVE THE NEW REMOTE POWER SUPPLIES. ALL EXISTING REMOTE POWER SUPPLIES SHALL BE REPLACED WITH THE APPROPRIATE MANUFACTURER POWER SUPPLY PER SPECIFICATIONS.

J. NEW FIRE ALARM CONDUCTORS SHALL BE PROVIDE FOR ALL DEVICES. EXISTING CONDUIT PATHWAY MAYBE REUTILIZED. UNUSED/ABANDON CONDUITS ARE TO REMOVED BACK TO SOURCE.

K. EXISTING FIRE ALARM TO REMAIN ACTIVE UNTIL NEW FIRE ALARM SYSTEM IS FULLY OPERATIONAL AND GREEN TAGGED BY THE CITY.

L. EXISTING CIRCUITS SERVICING NAC/POWER SUPPLY TO BE REUTLIZED.

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O. PATCH AND REPAIR ALL WALLS/CEILING WHERE ANY CONDUIT/DEVICES ARE REMOVED.

P. ALL ATTIC STOCK IS TO BE GIVEN TO DISD FIRE ALARM DEPARTMENT.

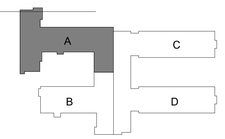
Q. FIRE ALARM DEVICES INDICATED ARE DIAGRAMMATIC IN NATURE AND ARE INCLUDED FOR INDICATING THE INTENT OF THE SYSTEM. CONTRACTOR REQUIRED TO PROVIDE FINAL QUANTITY AND CONFIGURATION OF DEVICES REQUIRED FOR FULLY OPERATIONAL, AND INTELLIGIBLE SYSTEM. CONTRACTOR IS RESPONSIBLE FOR DESIGN AND INSTALLATION OF A FIRE ALARM SYSTEM TO COMPLY WITH THE LATEST EDITION OF TDLR, NFPA 72, 90A, 101 IBC INTERNATIONAL BUILDING CODE AND ALL OTHER LOCAL CODES.

R. INSTALL F.A. NOTIFICATION DEVICES IN FULL COMPLIANCE W/NFPA 72. MOUNT VISUAL & COMBINATION NOTIFICATION DEVICES WITH ENTIRE LENS BETWEEN 80" & 96" AFF. SEE ELECTRICAL DETAILS.

S. COORDINATE DUCT DETECTOR LOCATIONS W/DIV 23 FOR HVAC DUCTWORK, AHU'S, & FCU'S. AS APPLICABLE SEE MECHANICAL SHEETS FOR HVAC DUCT WORK AND EQUIPMENT LOCATIONS. PROVIDE NUMBER OF DUCT DETECTORS FOR HVAC UNITS SUPPLY AND RETURN FOR UNITS > 2,000 CFM.

1 FIRE ALARM PLAN - LEVEL 1 AREA A

1/8" = 1'-0"



TRUE NORTH

N

MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

Permit Issue

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
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ISSUES & REVISIONS

No.	Date	Revision
1	02/22/2026	IFP

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Foodservice Design Professionals
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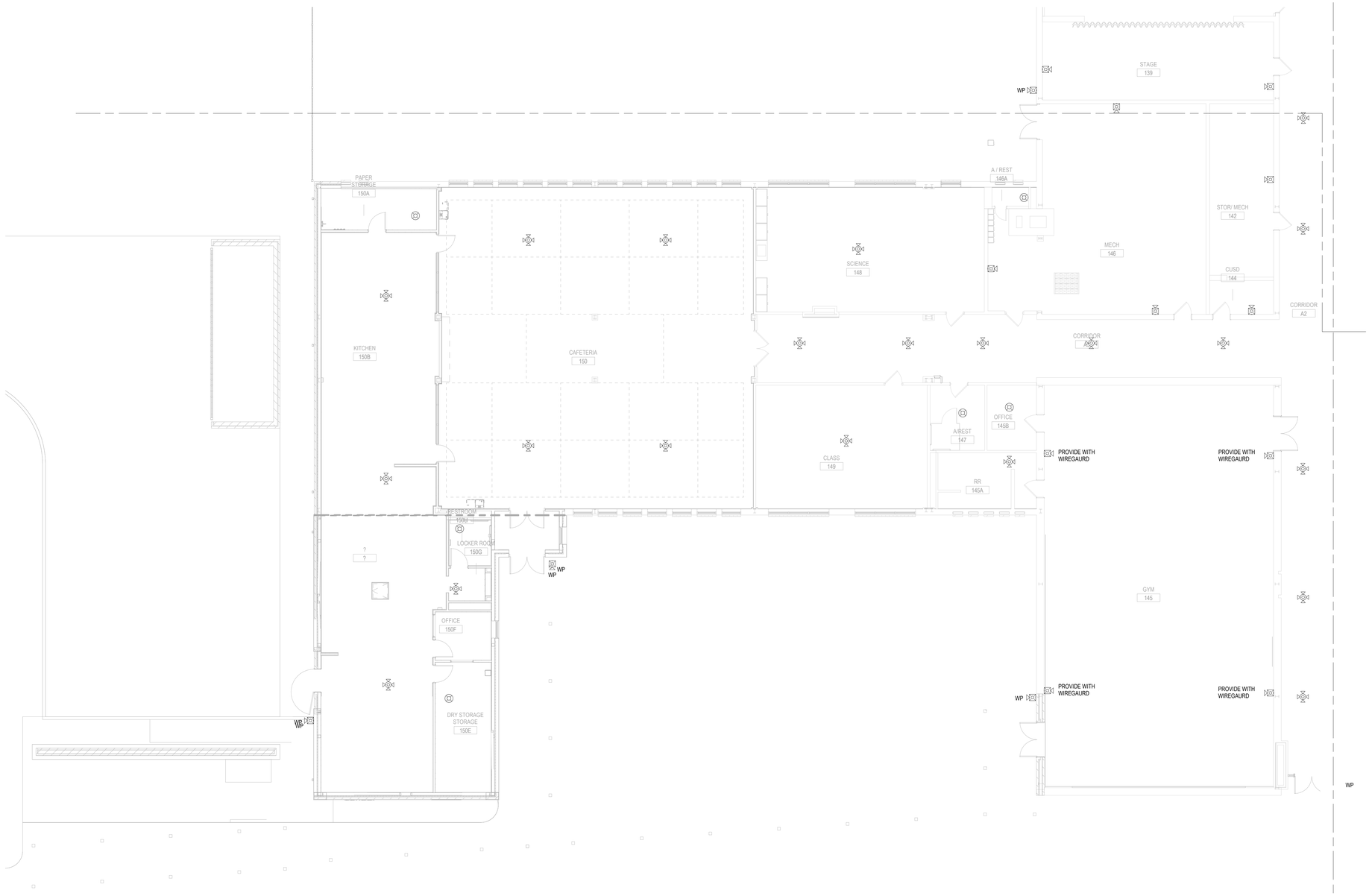
FIRE ALARM PLAN - LEVEL 1 AREA A

FA101

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 FIRE ALARM PLAN - LEVEL 1 AREA B

1/8" = 1'-0"

PLAN NOTES

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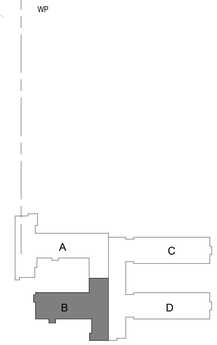

TRUE NORTH

N

Permit Issue

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DALLAS ISD

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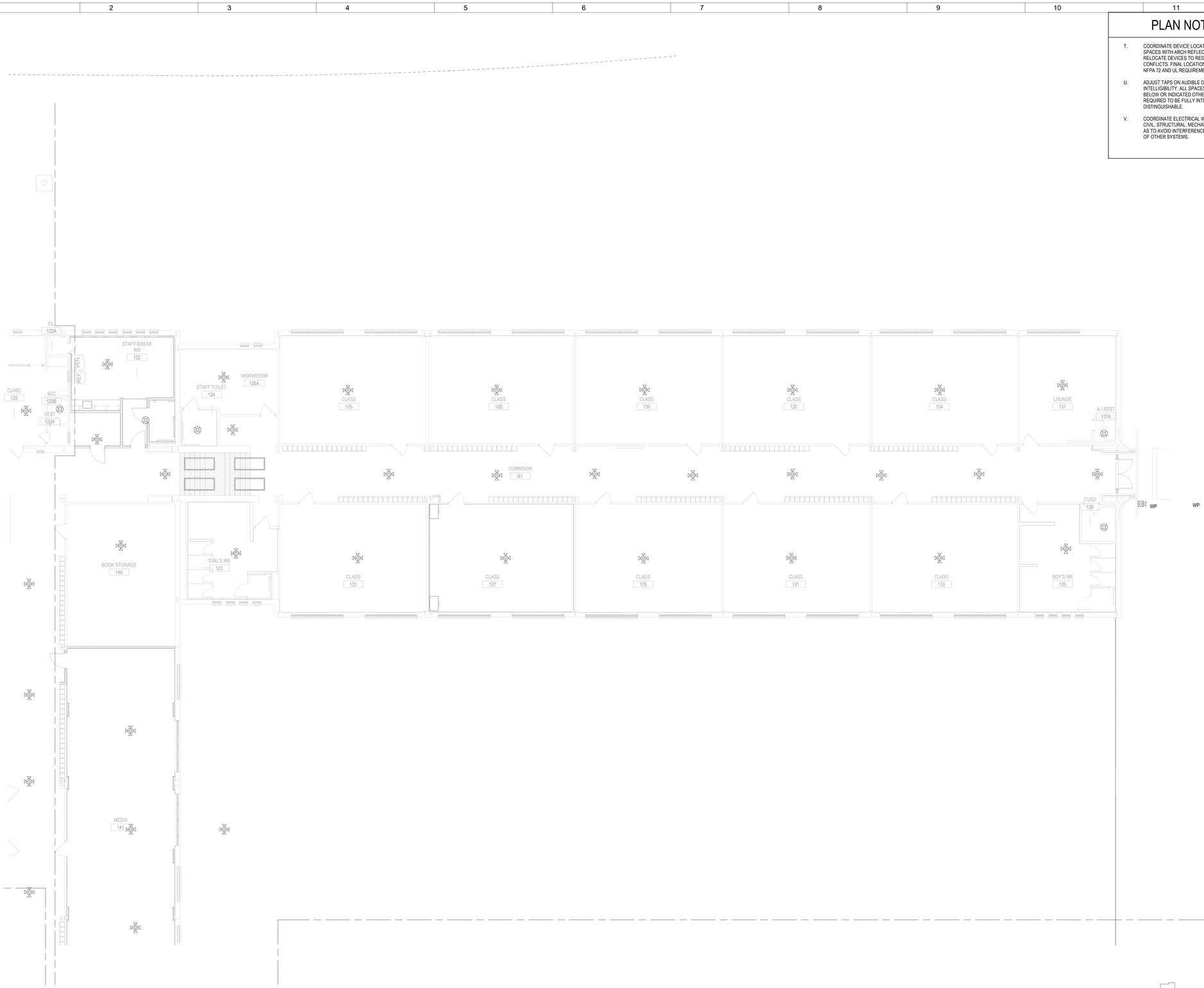
PROJECT CODE
31.00430

FIRE ALARM PLAN - LEVEL 1 AREA B

FA102

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

Project Name: ORG. #235 BAES Date:01/16/2026



1 FIRE ALARM PLAN - LEVEL 1 AREA C

1/8" = 1'-0"

PLAN NOTES

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B. FIRE ALARM SYSTEMS SHALL BE ADDRESSABLE. FIRE ALARM PANELS SHALL HAVE INTERNAL DIALERS. FIRE ALARM SYSTEM SHALL HAVE INTEGRAL MASS NOTIFICATION.

C. FIRE ALARM SYSTEM SHALL HAVE SURGE PROTECTION AT EACH LOCATION SIGNALING LINE CIRCUIT LEAVES BUILDING.

D. HVAC DUCT DETECTORS SHALL BE POWERED BY THE FIRE ALARM SYSTEM. DUCT DETECTORS ON FIRE ALARM PANEL SHALL NOT BE POWERED BY HVAC.

E. ALL FIRE ALARM CIRCUITS SHALL HAVE LOCK-ON BREAKERS PER NEC.

F. PROVIDE WIRE GUARD FOR ALL FIRE ALARM DEVICES IN THE GYMNASIUM.

G. PROVIDE DUCT TYPE SMOKE DETECTOR IN DUCT SUPPLY AND RETURN DUCT AS REQUIRED FOR ALL MECHANICAL EQUIPMENT WITH 2000 CFM OR GREATER. CONTRACTOR SHALL VERIFY EXACT QUANTITY AND LOCATION WITH MECHANICAL CONTRACTOR. REFER TO MECHANICAL SCHEDULES FOR EXACT QUANTITIES.

H. CONTRACTOR TO PATCH AND REPAIR EXISTING FIRE ALARM LOCATIONS THAT ARE REMOVED.

I. ALL 120V CIRCUITS PERTAINING TO ALL REMOTE POWER SUPPLIES THROUGHOUT THE BUILDING SHALL BE REUSED TO SERVE THE NEW REMOTE POWER SUPPLIES. ALL EXISTING REMOTE POWER SUPPLIES SHALL BE REPLACED WITH THE APPROPRIATE MANUFACTURER POWER SUPPLY PER SPECIFICATIONS.

J. NEW FIRE ALARM CONDUCTORS SHALL BE PROVIDE FOR ALL DEVICES. EXISTING CONDUIT PATHWAY MAYBE REUTILIZED. UNUSED/ABANDON CONDUITS ARE TO REMOVED BACK TO SOURCE.

K. EXISTING FIRE ALARM TO REMAIN ACTIVE UNTIL NEW FIRE ALARM SYSTEM IS FULLY OPERATIONAL AND GREEN TAGGED BY THE CITY.

L. EXISTING CIRCUITS SERVICING NAC/POWER SUPPLY TO BE REUTLIZED.

M. EXISTING FACP CIRCUIT TO BE EXTENDED TO NEW FACP LOCATION.

N. ALL EXISTING FIRE ALARM SYSTEM DEVICES INCLUDING: STROBES, SPEAKERS, PULL STATIONS, HEADEND SYSTEM, NACS, FACP, SMOKE/HEAT DETECTORS, AND ANNUNCIATORS ARE TO BE RETURNED TO DISD FIRE ALARM DEPARTMENT.

O. PATCH AND REPAIR ALL WALLS/CEILING WHERE ANY CONDUIT/DEVICES ARE REMOVED.

P. ALL ATTIC STOCK IS TO BE GIVEN TO DISD FIRE ALARM DEPARTMENT.

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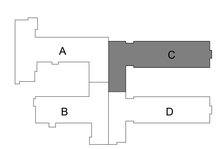

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MEPCE
Engineering Firm : F-4050
Dallas/Fort Worth, Texas
www.mepce.com
972-870-9060

PROJECT CODE
31.00430

Permit Issue

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ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
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FIRE ALARM PLAN - LEVEL 1 AREA C

FA103

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

Project Name: ORG. #235 BAES Date:01/16/2026

1 FIRE ALARM PLAN - LEVEL 1 AREA D

1/8" = 1'-0"

PLAN NOTES

T. COORDINATE DEVICE LOCATIONS IN FINISHED SPACES WITH ARCH REFLECTED CEILING PLAN (RCP). RELOCATE DEVICES TO RESOLVE INTERFERENCE & CONFLICTS. FINAL LOCATIONSHALL CONFORM TO NFPA 72 AND UL REQUIREMENTS.

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V. COORDINATE ELECTRICAL WORK WITH ARCHITECT, CIVIL, STRUCTURAL, MECHANICAL, AND PLUMBING SO AS TO AVOID INTERFERENCE WITH OR COMPROMISE OF OTHER SYSTEMS.

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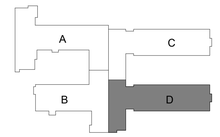

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ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
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FIRE ALARM PLAN - LEVEL 1 AREA D

FA104

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

Project Name: ORG. #235 BAES Date:01/16/2026

1 FIRE ALARM PLAN - PORTABLES

1/4" = 1'-0"

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MEPCE
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PROJECT CODE
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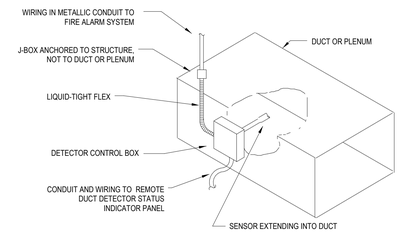
FIRE ALARM ENLARGED PLANS

FA401

SCALE: As indicated

Project Name: ORG. #235 BAES Date:01/16/2026



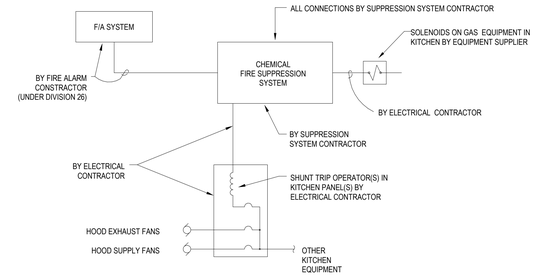
NOTES:

1. DETECTOR FURNISHED AND INSTALLED BY THE FIRE ALARM CONTRACTOR.
2. ALL WIRING SHALL BE RUN IN A SYSTEM OF METALLIC CONDUIT. APPROPRIATE LENGTHS OF LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL BE USED TO MINIMIZE VIBRATION AND NOISE TRANSMISSION.
3. FIRE ALARM CONTRACTOR HAS THE RESPONSIBILITY TO CHECK THE HVAC DRAWINGS AND FURNISH AND INSTALL ALL DETECTORS REQUIRED, SHOWN OR NOT SHOWN, ON THE ELECTRICAL DRAWINGS.

1 FIRE ALARM-DUCT SMOKE DETECTOR

NTS

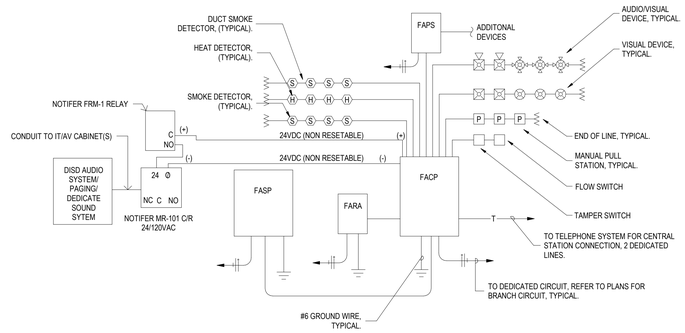
NOTE:
THE SUPPLIER FOR THE CHEMICAL FIRE SUPPRESSION SYSTEM IN THE KITCHEN EXHAUST HOOD SHALL FURNISH AND INSTALL ALL DEVICES AND WIRING ASSOCIATED WITH THIS SYSTEM. CONTRACTOR SHALL PROVIDE ALL INTER- LOCKS, DRY CONTACTS, RELAYS AND OTHER APPURTENANCES REQUIRED FOR A COMPLETE AND WORKING SYSTEM THAT COORDINATES WITH THE ELECTRICAL CONTRACTOR WIRING FROM THE MAIN SHUNT TRIP CIRCUIT BREAKER IN THE KITCHEN PANEL. THE CHEMICAL FIRE SUPPRESSION SYSTEM SHALL ALSO INTERLOCK WITH THE BUILDING FIRE ALARM SYSTEM. (SEE BLOCK DIAGRAM).



2 FIRE ALARM-KITCHEN HOOD

NTS

ABBREVIATIONS
FACP: FIRE ALARM CONTROL PANEL
FARA: FIRE ALARM REMOTE ANNUNCIATOR
FASP: FIRE ALARM SPRINKLER MONITORING SYSTEM
FAPS: FIRE ALARM REMOTE POWER SUPPLY



NOTES

1. DETAIL IS FOR SYSTEM INTENT ONLY. CONTRACTOR TO VERIFY EXACT NUMBER AND TYPE OF DEVICES REQUIRED.
2. REFER TO PLANS FOR DIAGRAMMATIC LAYOUT OF DEVICES.

FIRE ALARM SEQUENCE OF OPERATION

A. ACTIVATION OF ANY WATERFLOW SWITCH, HEAT DETECTOR, MANUAL PULL STATION OR SMOKE DETECTOR SHALL:
   1. INDICATE AT CONTROL PANEL ORIGIN OF ALARM VIA A FLASHING L.E.D.
   2. ACTIVATE AN AUDIBLE SIGNAL AT THE FIRE ALARM CONTROL PANEL.
   3. ACTIVATE BUILDING AUDIBLE DEVICES.
   4. ACTIVATE BUILDING VISUAL DEVICES.
   5. REPORT ALARM CONDITION TO UL LISTED CENTRAL STATION.

B. CLOSURE OF ANY SUPERVISED SPRINKLER SYSTEM SHUT-OFF VALVE SHALL:
   1. INDICATE AT CONTROL PANEL ORIGIN OF ALARM VIA A FLASHING L.E.D.
   2. SOUND AN AUDIBLE SIGNAL (SEPARATE AND DISTINCT FROM ALARM AND TROUBLE) AT FIRE ALARM CONTROL PANEL. AUDIBLE SIGNAL SHALL BE SILENCEABLE, BUT SHALL OPERATE IN A MANNER SIMILAR TO THAT DESCRIBED FOR TROUBLE SIGNAL SILENCING.
   3. REPORT SUPERVISORY CONDITION TO UL LISTED CENTRAL STATION.

C. OCCURRENCE OF A FAULT IN WIRING ON ANY SUPERVISED CIRCUIT WITHIN SYSTEM SHALL:
   1. INDICATE AT CONTROL PANEL VIA A YELLOW L.E.D. WHICH SPECIFIC CIRCUIT HAS A FAULT.
   2. SOUND AN AUDIBLE SIGNAL AT FIRE ALARM CONTROL PANEL. SIGNAL SHALL BE SILENCEABLE BY MEANS OF A PUSH-BUTTON. HOWEVER, A YELLOW L.E.D. SHALL CONTINUE TO IDENTIFY PRESENCE OF A TROUBLE CONDITION UNTIL IT IS CLEARED UPON CLEARING OF ALL TROUBLES WITHIN THE SYSTEM. TROUBLE SIGNAL SHALL RESOUND UNTIL TROUBLE SWITCH IS RESTORED TO THE NORMAL POSITION.
   3. REPORT TROUBLE CONDITION TO UL LISTED CENTRAL STATION.

3 FIRE-ALARM RISER

NTS

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FIRE ALARM DETAILS

FA501

SCALE: 12" = 1'-0"

Project Name: ORG. #235 BAES Date:01/16/2026

ABBREVIATIONS

A	
AACS	AUTOMATED ACCESS CONTROL SYSTEM
ABV	ABOVE
ABZ	AMBIENT NOISE SENSOR ZONE TIE BOX
AC	ALTERNATING CURRENT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AMEN	AMENITY
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AP	ACCESS POINT
ARCH	ARCHITECT, ARCHITECTURAL
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
B	
BAS	BUILDING AUTOMATION SYSTEM
BICSI	BUILDING INDUSTRY CONSULTING SERVICES INTERNATIONAL
BLDG	BUILDING
BMS	BUILDING MANAGEMENT SYSTEM
C	
C	CONDUIT
CAT	CATEGORY
CCTV	CLOSED CIRCUIT TELEVISION
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMP	COMMUNICATIONS PLENUM CABLE
CMR	COMMUNICATIONS RISER CABLE
CNS	CONCESSIONS
COMM	COMMUNICATIONS
CONF	CONFERENCE
CORR	CORRIDOR
CP	CONTROL PANEL
CR	COMMUNICATIONS ROOM
CTRL	CONTROL
CU	COPPER
D	
DAS	DISTRIBUTED ANTENNA SYSTEM
DEMO	DEMOLISH
DIA	DIAMETER
DISD	DALLAS INDEPENDENT SCHOOL DISTRICT
DN	DOWN
DPS	DEPARTMENT OF PUBLIC SAFETY
DWG	DRAWING
E	
EA	EACH
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
EOL	END OF LINE
EQUIP	EQUIPMENT
EXIST	EXISTING
F	
FA	FIRE ALARM
FE	FIRE EXTINGUISHER
G	
GA	GAUGE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
H	
HH	HANDHOLE
I	
ID	INSIDE DIAMETER
IDF	INTERMEDIATE DISTRIBUTION FRAME
INTL	INTERNATIONAL
J	
J-BOX	JUNCTION BOX
K	
KVA	KILOVOLT AMPERE
KW	KILOWATT
L	
LB	POUND
LCD	LIQUID CRYSTAL DISPLAY
LF	LINEAR FEET
LTG	LIGHTING

ABBREVIATIONS

M	
MAINT	MAINTENANCE
MAX	MAXIMUM
MDF	MAIN DISTRIBUTION FRAME
MECH	MECHANICAL
MEP	MECHANICAL ELECTRICAL PLUMBING
MGMT	MANAGEMENT
MH	MANHOLE
MIN	MINIMUM
MPOE	MINIMUM POINT OF ENTRY
MTD	MOUNTED
N	
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
O	
OAR	OWNER AUTHORIZED REPRESENTATIVE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OSP	OUTSIDE PLANT
P	
PAX	PASSENGER
PDS	PREMISE DISTRIBUTION SYSTEM
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PWR	POWER
Q	
QTY	QUANTITY
R	
RCP	REFLECTED CEILING PLAN
REF	REFER, REFERENCE
REQD	REQUIRED
RGS	RIGID GALVANIZED STEEL
RMC	RIGID METALLIC CONDUIT
RU	RACK UNIT
S	
SCRN	SCREENING
SF	SQUARE FEET
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATIONS
SQ	SQUARE
SSI	SENSITIVE SECURITY INFORMATION
STD	STANDARD
STOR	STORAGE
SZB	SPEAKER ZONE TIE BOX
T	
TBD	TO BE DETERMINED
TGB	TELECOMMUNICATIONS GROUND BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TYP	TYPICAL
U	
U/F	UNDERFLOOR
U/G	UNDERGROUND
UL	UNDERWRITERS LABORATORIES, INC.
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	
V	VOLT
VA	VOLT-AMPERE
VERT	VERTICAL
W	
W/	WITH
W/O	WITHOUT
WAO	WORK AREA OUTLET
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF

OVERVIEW:

DEMOLITION ACTIVITIES:

1. SEQUENCING OF THE DEMO ACTIVITIES REQUIRE ELEMENTS OF THE EXISTING INFRASTRUCTURE AND ACTIVE SYSTEMS TO BE IDENTIFIED, AND IN SOME CASES PROTECTED, DURING DEMOLITION AND SUBSEQUENT DEMOLITION AND/OR RE-ACTIVATION OF CERTAIN ELEMENTS OF THE SYSTEMS TO ENSURE CONTINUITY OF SERVICES AT ALL TIMES. SYSTEMS ARE AS FOLLOWS:
   - PREMISE DISTRIBUTION SYSTEMS
   - PATHWAY
   - WI-FI
   - ACCESS CONTROL READERS, AUDIO, MOTIONS, DOOR CONTACTS, ETC.
   - VIDEO SURVEILLANCE CAMERAS
   - PAGING
2. CONTRACTOR IS TO DEMOLISH ALL ELEMENTS OF THE CABLING INFRASTRUCTURE AS THE DEMO SEQUENCE ALLOWS. DEMO MEANS ALL CABLING (HORIZONTAL AND BACKBONE) AND ASSOCIATED PATHWAY IS REMOVED TO POINT OF ORIGIN. ELEMENTS OF THE CABLING INFRASTRUCTURE ARE AS FOLLOWS:
   - HORIZONTAL CABLE
   - BACKBONE CABLE
   - PATHWAY
   - COMMUNICATIONS ROOMS
   - PAGING
3. ALL CABLING REMAINING AFTER SELECTIVE DEMOLITION AND REMOVALS SHALL BE SUPPORTED OFF OF THE CEILING SYSTEM IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE ART. 800.24. NO REMAINING CABLING SHALL BE LEFT IN CONTACT WITH THE TOP OF THE CEILING.

NEW CONSTRUCTION ACTIVITIES:

1. HORIZONTAL CABLING

   HORIZONTAL CABLING WILL BE SERVED FROM NEAREST IDFS/MDF TO PHONE, DATA , AND SPECIAL SYSTEMS DEVICE LOCATIONS WITHIN THE SERVICE BOUNDARY.

2. ACCESS CONTROL AND MONITORING

   NEW DOOR HARDWARE AND ACS DOOR COMPONENTS WILL BE PROVIDED IN ORDER TO FACILITATE THE RENOVATIONS OF THE SECURE FRONT ENTRY VESTIBULE AND ADMINISTRATION SPACES.

3. VIDEO SURVEILLANCE

   THE NEW CAMERAS WILL BE ADDED TO THE EXISTING SYSTEM. THE CONTRACTOR TO VERIFY THERE IS ADEQUATE SPACE TO ADD THE NEW CAMERAS. CAMERAS ARE OFOI.

4. INTRUSION DETECTION

   THE NEW KEYPADS AND MOTION DETECTORS WILL BE ADDED TO THE EXISTING PANEL. THE SYSTEM MUST BE SURVEYED BY THE CONTRACTOR TO CONFIRM THAT IT HAS ENOUGH EXPANSION CAPACITY FOR THE NEW KEYPADS AND MOTION DETECTORS. EXPANSION BOARDS MAY BE REQUIRED IF MORE EXPANSION CAPACITY IS REQUIRED.

5. OVERHEAD PAGING

   THE EXISTING PAGING SYSTEM WILL REMAIN IN PLACE AND WILL BE EXTENDED TO THE RENOVATED PORTIONS OF THE BUILDING. THE EXISTING PAGING HEADEND SYSTEM IS LOCATED IN THE EXISTING PRINCIPLE'S OFFICE AND WILL BE RELOCATED TO THE NEW FRONT ADMIN SPACE.

6. TELEPHONE CONNECTIVITY

   THE NETWORK EQUIPMENT AND END DEVICES FOR THE TELEPHONE SYSTEM ARE PROVIDED AND INSTALLED BY DISD.

TELECOM PATHWAY NOTES:

GENERAL:

1. THE DRAWINGS INDICATE ONE ROUTING METHOD OF THE CABLING PATHWAYS. CHANGES MAY BE MADE TO THE PATHWAY SYSTEM TO ACCOMMODATE SITE CONDITIONS OR SIMPLIFY INSTALLATION AS LONG AS ADEQUATE SIZING IS MAINTAINED AND THE DESIGN CONSULTANT APPROVES THE COORDINATION DRAWINGS SUBMITTED FOR REVIEW.
2. COORDINATE TELECOM PATHWAYS WITH OTHER RACEWAY.
3. REGARDLESS OF PATHWAY TYPE, ALL CABLING SHALL BE SUPPORTED AT A 5'-0" MAXIMUM INTERVAL.
4. UNLESS OTHERWISE NOTED, CABLE PATHWAY WITHIN ROOMS WILL RUN PARALLEL TO WALLS.
5. PROVIDE PROPER BONDING AND GROUNDING OF HORIZONTAL PATHWAYS IN ACCORDANCE WITH APPLICABLE ELECTRICAL CODES AND STANDARDS, AND ANSI/TIA 607-D.
6. UNLESS OTHERWISE NOTED ALL CONDUITS SERVING WORK AREA OUTLETS ARE ONE-INCH IN DIAMETER.
7. ALL PENETRATIONS OF ARCHITECTURAL BARRIERS SHALL BE COMPLETELY SEALED AT THE CONCLUSION OF EACH DAY OF INSTALLATION.

CONDUIT:

1. ALL PATHWAYS IN CONCRETE FLOOR SLABS SHALL BE R.M.C.
2. CONDUIT RUNS SHALL NOT CONTAIN 90° CONDUIT BODIES (OR LB'S).
3. CONDUIT RUNS IN EXCESS OF 100 FEET REQUIRE AN ACCESSIBLE PULL BOX. ANY EXCEPTIONS REQUIRE PRE-APPROVAL BY DESIGN CONSULTANT OR THEIR DESIGNATED REPRESENTATIVE.
4. MAINTAIN PROPER CONDUIT BEND RADIUS IN ACCORDANCE WITH ANSI/TIA 569-E. FOR CONDUIT WITH AN INTERNAL DIAMETER OF 2" OR LESS, MAINTAIN A BEND RADIUS OF AT LEAST 6 TIMES THE INTERNAL CONDUIT DIAMETER. FOR CONDUIT WITH AN INTERNAL DIAMETER GREATER THAN 2", MAINTAIN A BEND RADIUS OF AT LEAST 10 TIMES THE INTERNAL CONDUIT DIAMETER.
5. IF A CONDUIT REQUIRES MORE THAN TWO 90° BENDS, PROVIDE AN ACCESSIBLE PULL BOX BETWEEN SECTIONS WITH 2 BENDS OR LESS. IF A CONDUIT RUN REQUIRES A REVERSE BEND (BETWEEN 100° AND 180°), INSERT AN ACCESSIBLE PULL BOX AT EACH BEND HAVING AN ANGLE FROM 100° AND 180°. IF A CONDUIT RUN REQUIRES MORE THAN TWO 90° BENDS BETWEEN PULL BOXES, THEN FOR EACH ADDITIONAL BEND EITHER DE-RATE THE CONDUIT CAPACITY BY 15% OR USE THE NEXT LARGER SIZE CONDUIT. REQUIRES PRE-APPROVAL BY DESIGN CONSULTANT OR THEIR DESIGNATED REPRESENTATIVE.
6. CONDUIT RUNS SUPPORTING A SINGLE WORK-AREA-OUTLET (HORIZONTAL CABLING) MEASURING 2" OR LESS IN DIAMETER THAT 1) EXCEED 100' IN LENGTH, 2) HAVE MORE THAN TWO 90-DEGREE BENDS, OR 3) REQUIRE A REVERSE BEND (BETWEEN 100-DEGREE AND 180-DEGREE) SHALL HAVE, AT MINIMUM, A 4-11/16"X4-11/16"X24" WIREWAY PLACED AT EACH AND EVERY ONE OF THESE CONDITIONS.
7. CONDUIT SUPPORTING BACKBONE CABLING MEASURING 2" OR GREATER IN DIAMETER SHALL UTILIZE THE TABLE WITHIN THE SPECIFICATION 27 05 28.
8. DO NOT USE A PULL BOX FOR A BEND. ALL CONDUITS MUST RUN STRAIGHT THROUGH A PULL BOX WITH THE BEND EITHER BEFORE OR AFTER THE PULL BOX.
9. REAM ALL CONDUIT ENDS. FIT STUBBED CONDUITS WITH AN INSULATED BUSHING TO ELIMINATE SHARP EDGES THAT MAY DAMAGE CABLE DURING INSTALLATION OR SERVICE. EQUIP ALL CONDUIT WITH PULL CORD WITH A MINIMUM TEST RATING OF 200 LBS.
10. ALL OUTLET BOX CONDUITS SHALL BE ROUTED TO NEAREST ACCESSIBLE CEILING SPACE WHETHER OR NOT SHOWN AS SUCH ON DRAWINGS.

Bid and Permit

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ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

BICSI Registered Communications Distribution Designer RCDD
Bicsi
Ardan M Smith
BICSI ID # 240577
Expires 12-31-26

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No.	Date	Revision
1	11/16/2023	100% DD
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3	08/02/2024	95% CD
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Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

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Contact: Ovi Sipos
T: 214-623-5872

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Structural:
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Contact: Akshai Ramakrishnan
T: 214-752-9092

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Contact: Hunter Harris
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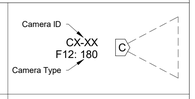
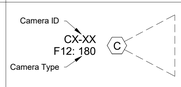
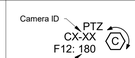
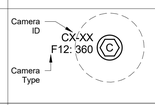
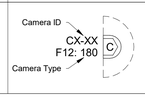
T: 972-245-5300

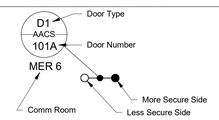
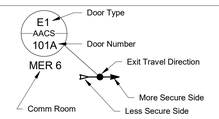
TECHNOLOGY ABBREVIATIONS AND NOTES

TN0-00

SCALE: 12" = 1'-0"

SECURITY SYMBOL LEGEND

DEVICE DESCRIPTION	DEVICE TYPICAL	NOTE
VIDEO SURVEILLANCE CAMERAS		
WALL MOUNT FIXED SURVEILLANCE CAMERA		
CEILING/PENDANT MOUNT FIXED SURVEILLANCE		
PTZ CAMERA		
CEILING MOUNT 360-DEGREE SURVEILLANCE CAMERA		
WALL MOUNT 180-DEGREE SURVEILLANCE CAMERA		
ACCESS CONTROL DEVICES		
CARD READER	CR	CR = CARD READER
DURESS BUTTON	DB	DB = DURESS BUTTON
REMOTE RELEASE PUSH BUTTON	RR	RR = REMOTE RELEASE
DOOR POSITION SWITCH	DPS	DPS = DOOR POSITION SWITCH
ELECTRICAL POWER TRANSFER	PT	PT = POWER TRANSFER
DOOR INTERFACE BOX	DIB	DIB = DOOR INTERFACE BOX
VIDEO INTERCOM	IC	USED IN PLANS
DESKTOP VIDEO MASTER	IC M	USED IN PLANS
KP	ELECTRONIC SECURITY KEY PAD	WALL MOUNTED
MD	36O DEGREE MOTION DETECTOR	CEILING MOUNTED
IDC	INTELLIGENT DOOR CONTROLLER	ABOVE CEILING MOUNTED
MD	MOTION DETECTOR	

ACCESS CONTROL DOORS	
OPERATIONAL DOOR	
EGRESS DOOR - EXIT TO MORE SECURE	

TECHNOLOGY SYMBOL LEGEND

DEVICE SYMBOL	DEVICE DESCRIPTION	
X	DATA OUTLET WALL MOUNTED	X = QTY CAT 6 CABLES
X AV	DATA / AV OUTLET WALL MOUNTED	X = QTY CAT 6 CABLES AV = HDMI OUTLET
M	MULTIMEDIA OUTLET	MULTIMEDIA OUTLET FOR TEACHERS STATION AUDIOVISUAL CONNECTIVITY.
X	DATA OUTLET FLOOR MOUNTED	X = QTY CAT 6 CABLES
X Y	DATA OUTLET CEILING MOUNTED	X = QTY CAT 6 CABLES X = CAM - CAMERA CABLE PROJ - PROJECTOR CABLE IDC - ACS WIRELESS PANEL INTERFACE MODULE
X WAP	DATA OUTLET CEILING MOUNTED FOR WAPS	X = QTY CAT 6A CABLES
SX	CEILING MOUNTED SPEAKER	X = E - EXISTING N - NEW PAGING L - LOCAL AUDIO
SX	WALL MOUNTED SPEAKER	
	LADDER RACK	SIZE AS SPECIFIED
TV	MATV OUTLET WALL MOUNTED	X = QTY CAT 6 CABLES MONITORS ARE O.F.O.I
J FF	FURNITURE WHIP WALL FED	
MC	MASTER CLOCK	
	SERVICE BOUNDARY	
	ABOVE GROUND CODUIT/PATHWAY	
	BELOW GROUND CONDUIT/PATHWAY	
	DUPLEX ELEC. RECEPTACLE	WALL MOUNTED 120 VOLT 20 AMP
	QUADPLEX ELEC. RECEPTACLE	WALL MOUNTED 120 VOLT 20 AMP
	SINGLE ELEC. RECEPTACLE	WALL MOUNTED 220 VOLT 20 AMP
CB	PA CLASSROOM CALL BUTTON	
V	PA VOLUME CONTROL	
S	CLASSROOM PA SPEAKER	1 CAT 6 CABLE CONNECT FROM NEAREST COMM ROOM
3-WAY S	GYMNASIUM 3-WAY SPEAKER	
TW	TEACHER'S WORKSTATION	(2) CAT 6 CABLES
PR	COMMERCIAL PROJECTOR	
H	LOCAL HDMI INPUT	
TC	TIME CLOCK	(1) CAT 6 CABLE
PA	PAGING HEADEND	

NOTE: ALL SYMBOLS ARE NOT NECESSARILY USED.

TYPICAL MOUNTING HEIGHTS		
THE CONTRACTOR SHALL COORDINATE THE MOUNTING HEIGHT OF ALL FIXTURES, DEVICES, AND OUTLETS WITH ARCHITECTURAL AND ELECTRICAL PLANS AND ELEVATIONS. SPECIAL MOUNTING HEIGHTS SHOWN ON THE PLANS SHALL TAKE PRECEDENCE OVER THOSE GIVEN BELOW. ALL MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTERLINE OF DEVICE, UNLESS NOTED OTHERWISE.		
TELEPHONE / DATA OUTLETS	DESK / TABLE WALL TELEPHONE ABOVE COUNTER TOP (ACT)	1'-6" 3'-6" 0'-8" ABOVE TOP OF COUNTER 0'-4" ABOVE TOP OF BACK SPLASH
SECURITY DEVICES	CARD READER DOOR RELEASE REQUEST TO EXIT MOTION DETECTOR MOTION DETECTOR LOCAL SOUNDER / STROBE (IF REQ'D) FIXED CAMERA PAN / TILT / ZOOM CAMERA	3'-6" 3'-6" 0'-6" ABOVE TOP OF DOOR 8'-0" 8'-0" 12'-0" U.N.O. 14'-0" U.N.O.

TECHNOLOGY SYSTEMS SCOPE RESPONSIBILITY MATRIX

SCOPE ITEM	RESPONSIBLE PARTY	COMMENTS
PREMISE DISTRIBUTION SYSTEM		
CABLING PATHWAYS - LADDER RACK, CABLE TRAY, SLEEVES, RACEWAY, J-HOOKS, CONDUITS, BACK BOXES, ETC.	GC	GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ALL TELECOMMUNICATIONS DATA PATHWAY INFRASTRUCTURE INCLUDING COMM ROOMS, RACKS, VERTICAL WIRE MANAGEMENT, LADDER RACK, AND GROUNDING. GENERAL CONTRACTOR SHALL INCLUDE ALL HORIZONTAL CONDUIT AND CABLE TRAY PATHWAYS FOR DATA SYSTEMS. DISD WILL BE RESPONSIBLE FOR INSTALLATION OF ALL BACKBONE / HORIZONTAL DATA CABLING, PATCH PANELS, CONNECTORS, AND PATCH CABLES.
HORIZONTAL CABLE MANAGEMENT	E-RATE QUALIFIED DISD CABLING CONTRACTOR	
PATCH PANELS, JUMPERS/PATCH CORDS	E-RATE QUALIFIED DISD CABLING CONTRACTOR	
PLYWOOD BACKBOARDS	GC	
TELECOMMUNICATIONS GROUNDING	GC	
TELECOMMUNICATIONS CONDUIT	GC	
DATA CABLING, CONNECTORS, FACEPLATES, PATCH PANELS	E-RATE QUALIFIED DISD CABLING CONTRACTOR	
WIRELESS ACCESS POINT BACK BOXES	GC	
TELECOMMUNICATIONS PATHWAY FIRESTOPPING	GC	
TELECOMMUNICATIONS CABLING FIRESTOPPING	E-RATE QUALIFIED DISD CABLING CONTRACTOR	
ORTRONICS CIP AND BICSI RCDD CERTIFICATION REQUIREMENTS	E-RATE QUALIFIED DISD CABLING CONTRACTOR	
CABLING SYSTEM WARRANTY	E-RATE QUALIFIED DISD CABLING CONTRACTOR	
SUBMITTALS / SHOP DRAWINGS FOR TELECOMMUNICATIONS SYSTEMS	ALL	
PHONE / NETWORK / UPS		
DATA NETWORK SWITCHES, PC'S, PHONES	DISD IT	DISD WILL BE RESPONSIBLE FOR PROCUREMENT AND INSTALLATION OF ALL VOICE AND DATA NETWORK EQUIPMENT AND SERVICE PROVIDER CONNECTIONS. THIS INCLUDES ANY IT SEREVICE DEMARC CABLING EXTENSTIONS NECESSARY TO EXTEND SERVICE TO THE NEW COMMUNCATIONS ROOMS
WIRELESS ACCESS POINTS	DISD IT	
TELEPHONE SERVICES	SERVICE PROVIDERS	
TELEPHONE SYSTEM	DISD IT	
IT SERVICE CABLING DEMARC EXTENSTIONS	E-RATE QUALIFIED DISD CABLING CONTRACTOR	
UNINTERRUPTIBLE POWER SUPPLY (UPS)	GC	GENERAL CONTRACTOR IS RESPONSIBLE FOR PROCUREMENT AND INSTALLATION OF UPS EQUIPMENT IN NEW COMMUNICATIONS ROOM
PAGING SYSTEM		
PAGING SYSTEM CABLING, SPEAKERS AND EQUIPMENT	GC	GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ALL NEW PAGING CABLING AND SPEAKERS AS SHOWN IN THE DRAWINGS AND SPECIFICATIONS. EXISTING PAGING HEAD END UNIT IS LOCATED IN THE MDF.
SECURITY SYSTEMS		
ACCESS CONTROL SYSTEM ELECTRIFIED DOOR HARDWARE AND POWER SUPPLIES	GC	GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ALL ACCESS CONTROL SYSTEM PATHWAY, AND BACK BOXES AS SHOWN IN THE CONTRACT DOCUMENTS. GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF VIDEO SURVEILLANCE PATHWAY AND BACK BOXES, AS SHOWN IN THE CONTRACT DOCUMENTS. ALL VIDEO SURVEILLANCE EQUIPMENT AND CABLING WILL BE THE RESPONSIBILITY OF THE DISD SECURITY CONTRACTOR. GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ALL INTRUSION DETECTION SYSTEM END DEVICES, CABLING, AND EQUIPMENT AS IDENTIFIED IN THE CONTRACT DOCUMENTS.
ACCESS CONTROL SYSTEM PATHWAY AND BACK BOXES	GC	
ACCESS CONTROL SYSTEM CARD READERS, DOOR CONTACTS, CONTROL PANELS, CONTROL CABLING, IP INTERCOMS	DISD SECURITY CONTRACTOR	
VIDEO SURVEILLANCE PATHWAY AND CAMERA BACK BOXES	GC	
VIDEO SURVEILLANCE CAMERA CABLING	DISD SECURITY CONTRACTOR	
VIDEO SURVEILLANCE EQUIPMENT	DISD SECURITY CONTRACTOR	
INTRUSION DETECTION PATHWAY / CABLING	GC	
INTRUSION DETECTION EQUIPMENT	GC	

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

BICSI Registered Communications Distribution Designer
Bicsi
Ardian M Smith
BICSI ID # 240577
Expires 12-31-26
RCDD

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Foodservice Design Professionals
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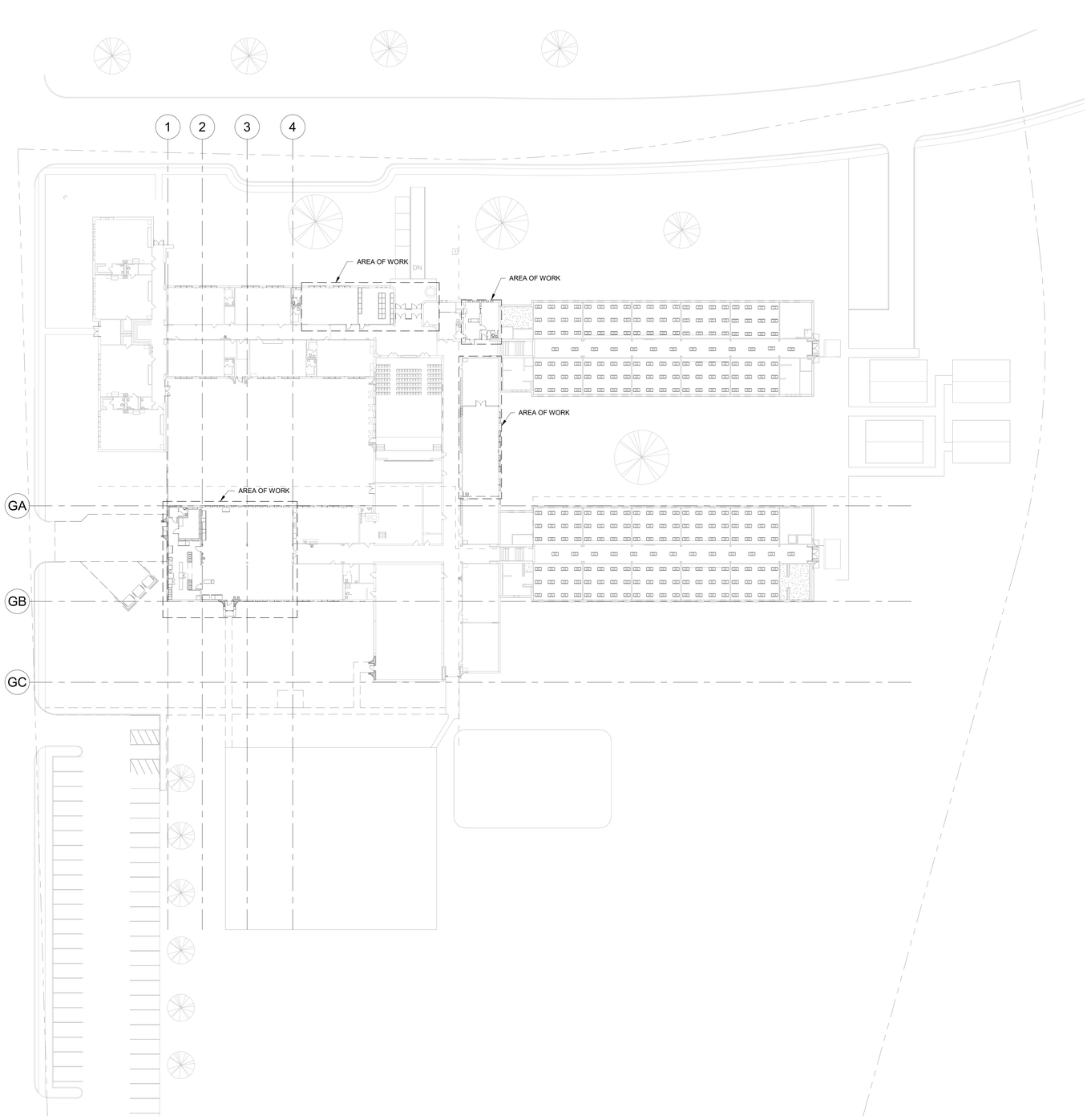
TECHNOLOGY SYMBOLS AND SYSTEMS MATRIX

TN0-01

SCALE: As indicated

Project Name: ORG. #235 BAES Date:Issue Date



1 OVERALL FLOOR PLAN
1" = 30'-0"

GENERAL SHEET NOTES

A. BIRDIE ELEMENTARY SCHOOL IS AN OPERATIONAL SCHOOL AND AS SUCH EXECUTION OF THE WORK SHALL REQUIRE CLOSE COORDINATION WITH DISD I.T. AND STAFF ONSITE DURING THE TIME OF OPERATION. WORK TO BE PREPARED MAY REQUIRE OFF HOURS SCHEDULING AND NON-CONTINUOUS PHASING TO NOT DISTURB AND/DISRUPT NORMAL HOURS OF OPERATION.

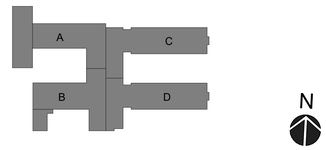
B. MAKE A DETAILED INSPECTION OF EXISTING CONDITIONS, PRIOR TO STARTING ANY SHOP DRAWINGS, PRODUCT DATA, OR ANY OTHER TECHNICAL SUBMITTALS.

C. THE CONTRACTOR SHALL NOT START WORK UNTIL A SITE INVESTIGATION REPORT HAS BEEN SUBMITTED AND APPROVED.

KEYNOTES

SHEET NOTES

KEY PLAN



Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX, 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

BICSI Accredited Communications Distribution Designer RCDD
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Ardarn M Smith
BICSI ID # 240577
Expires 12-31-26

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1	11/16/2023	100% DD
2	2/09/2024	50% CD
3	08/02/2024	95% CD
4	02/22/2026	IFP/IFB

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Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
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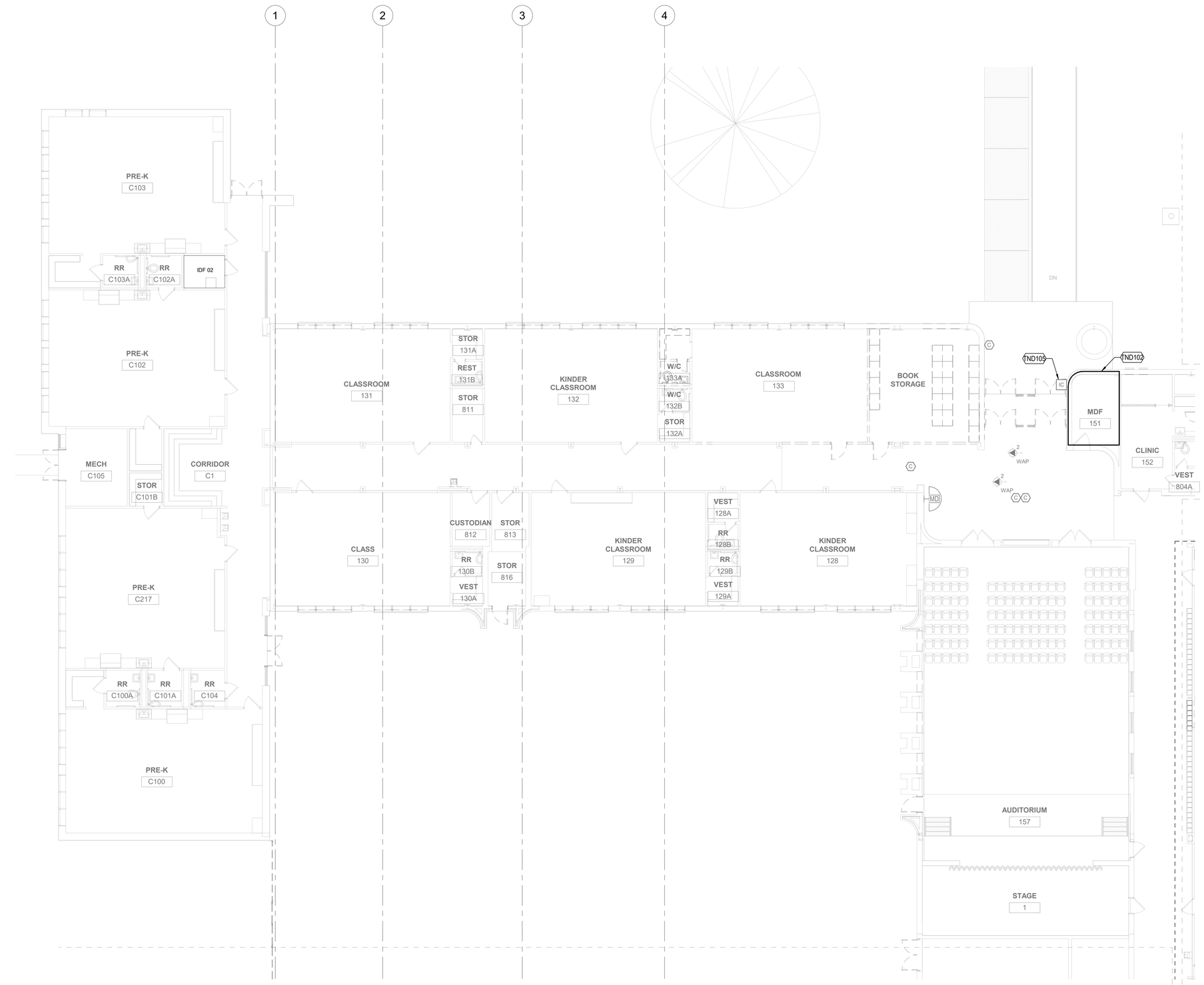
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

TECHNOLOGY DEMO FLOOR PLAN - OVERALL

TND1-00

SCALE: As indicated

Project Name: ORG. #235 BAES Date:Issue Date



1 TECHNOLOGY DEMO LEVEL 1 SECTOR A
1/8" = 1'-0"

GENERAL SHEET NOTES

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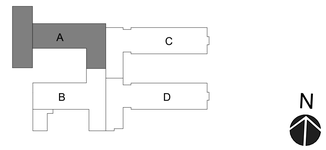
KEYNOTES

Key Value	Keynote Text
TND102	EXISTING MDF TO REMAIN IN PLACE. PROTECT DURING DEMOLITION.
TND105	EXISTING INTERCOM DEVICE TO BE RELOCATED. REWIRE TO NEW LOCATION OF INTERCOM MASTER STATION AT THE RECEPTIONIST'S DESK. REFER TO SHEET TN1-11 FOR NEW LOCATION.

SHEET NOTES

1. SCALED BACK DEVICES SHOWN ON SHEET ARE EXISTING TO REMAIN. PROTECT DURING CONSTRUCTION. IF NECCESSARY DE-ISNTALL DURING DEMOLITION ACTIVIES AND RE-INSTALL AFTER. ENSURE FULL OPERABILITY FOR EACH DEVICE AFTER CONSTRUCTION.
2. ALL DEVICES SLATED TO BE DEMOED ENSURE REMOVAL OF CABLING BACK TO POINT OF ORIGIN.
3. NEW CCTV HAS BEEN DEPLOYED THROUGHOUT THE CAMPUS. CCTV CABLES SHALL BE COILED AND PROTECTED IN THE CEILING DURING CONSTRUCTION IN AREAS SCHEDULED TO BE DEMOLISHED. RETURN DEVICES TO OWNER FOR STORAGE. REINSTALL CCTV PER NEW LAYOUT. REFERENCE NEW TECHNOLOGY SHEET FLOORPLANS.

KEY PLAN



N

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HarrisonKornberg ARCHITECTS
100 Glass St.
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p. 713-229-0688
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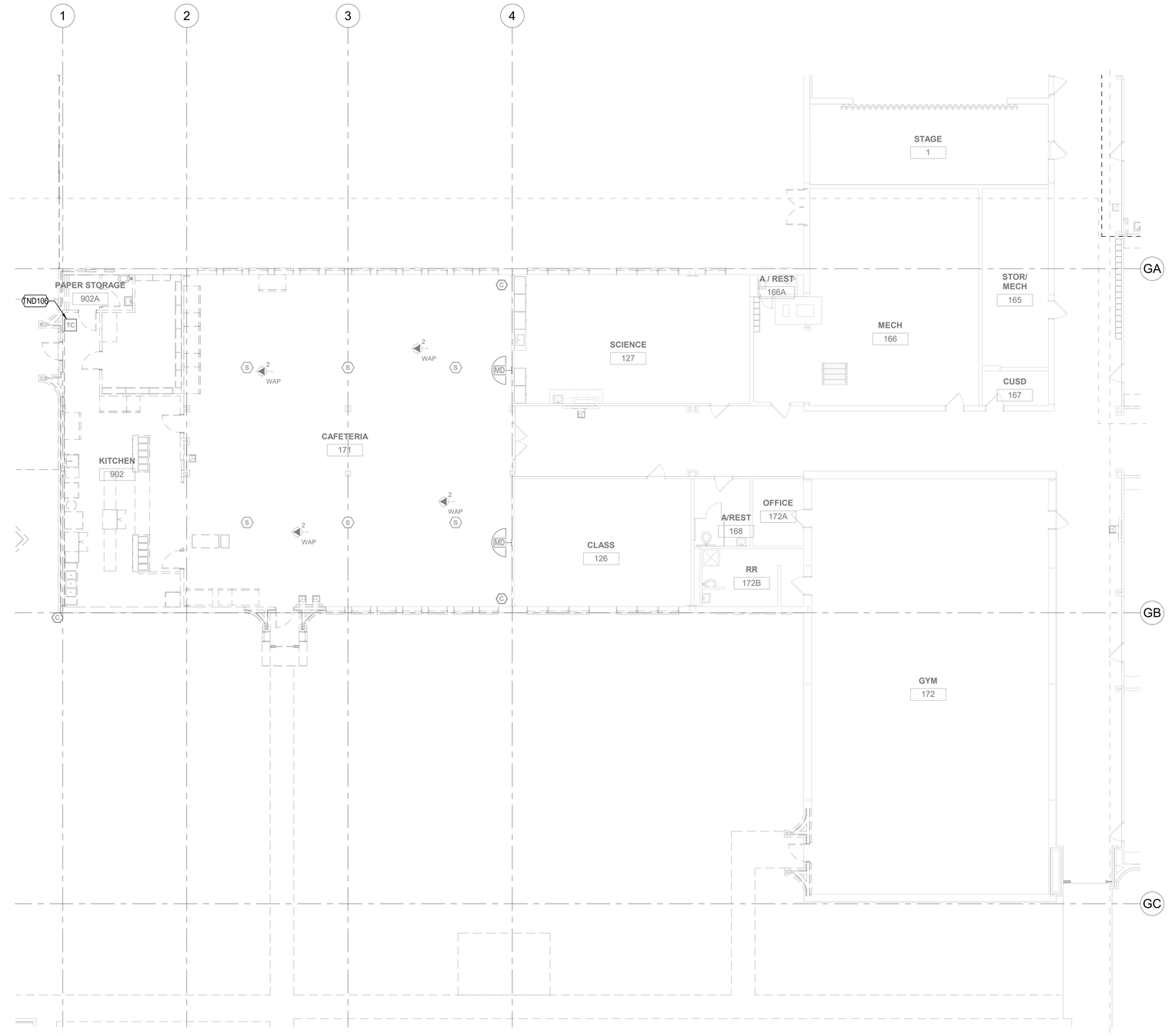
Contact: Sherri Myers
T: 972-245-5300

TECHNOLOGY DEMO FLOOR PLAN - SECTOR A

TND1-01

SCALE: As indicated

Project Name: ORG. #235 BAES Date:Issue Date



1 TECHNOLOGY DEMO LEVEL 1 SECTOR B
1/8" = 1'-0"

GENERAL SHEET NOTES

A. BIRDIE ELEMENTARY SCHOOL IS AN OPERATIONAL SCHOOL AND AS SUCH EXECUTION OF THE WORK SHALL REQUIRE CLOSE COORDINATION WITH DISD I.T. AND STAFF ONSITE DURING THE TIME OF OPERATION. WORK TO BE PREPARED MAY REQUIRE OFF HOURS SCHEDULING AND NON-CONTINUOUS PHASING TO NOT DISTURB AND/DISRUPT NORMAL HOURS OF OPERATION.

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KEYNOTES

Key Value	Keynote Text
TND106	TIMECLOCK IS TO BE RELOCATED. REFER TO SHEET TN1-12 FOR NEW LOCATION.

SHEET NOTES

1. SCALED BACK DEVICES SHOWN ON SHEET ARE EXISTING TO REMAIN. PROTECT DURING CONSTRUCTION. THIS WILL REQUIRE DISCONNECTING EACH DEVICE, PROTECTING WIRE, AND RE-INSTALLING DEVICE AFTER CONSTRUCTION.
2. ALL DEVICES IN DEMOLITION AREAS NOT SHOWN SHALL BE DEMOED BACK TO POINT OF ORIGIN.
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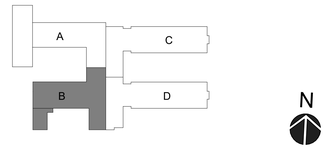
KEY PLAN



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DALLAS INDEPENDENT SCHOOL DISTRICT

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DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX. 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

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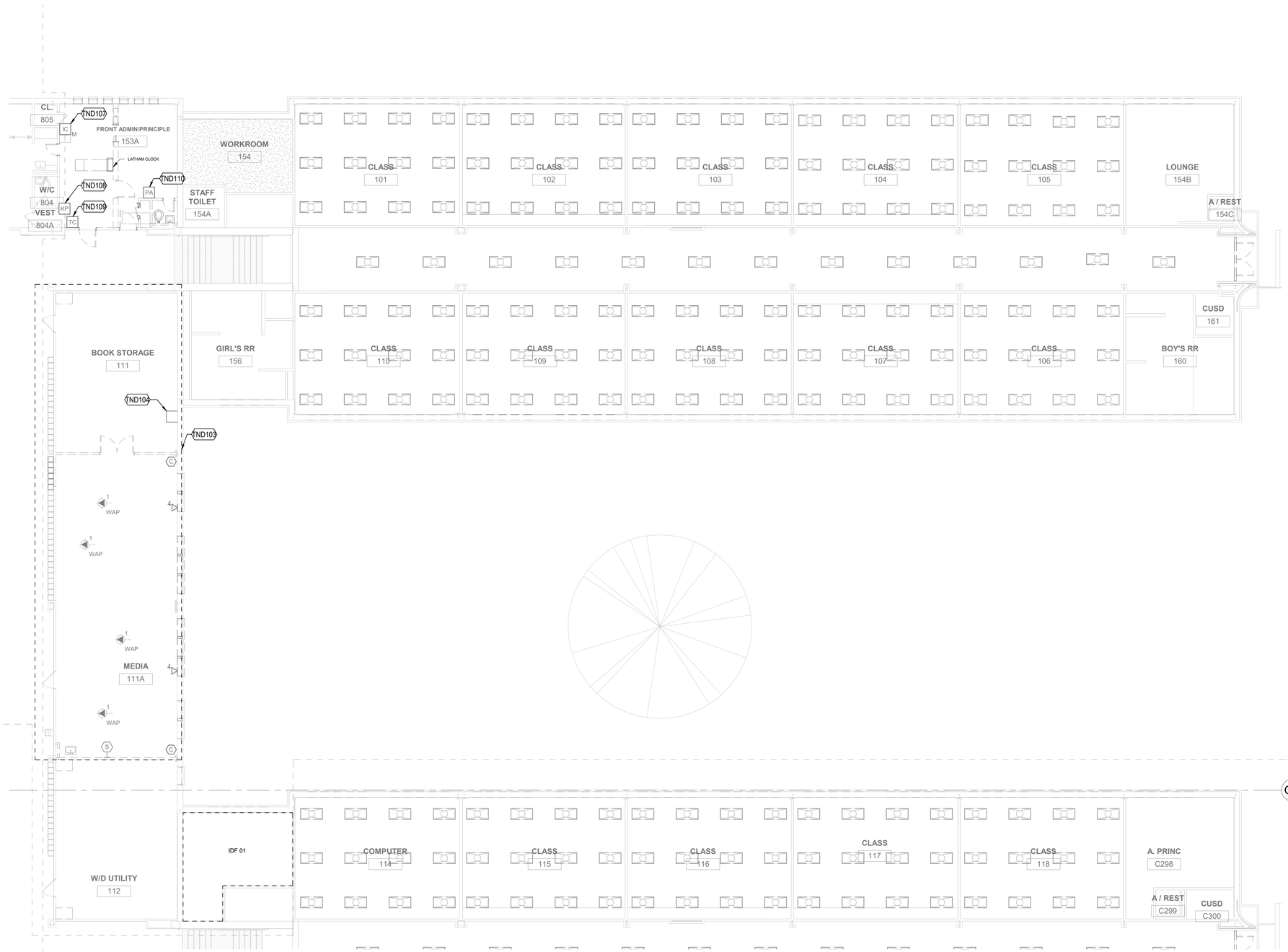
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

TECHNOLOGY DEMO FLOOR PLAN - SECTOR B

TND1-02

SCALE: As indicated



1 TECHNOLOGY DEMO LEVEL 1 SECTOR C
1/8" = 1'-0"

GENERAL SHEET NOTES

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KEYNOTES

Key Value	Keynote Text
TND103	AREA TO BE REMODELED. SELECTIVE DEMOLISH ALL CABLING BACK TO POINT OF ORIGIN. RETURN EQUIPMENT TO OWNER.
TND104	DEMOLISH ABANDONED NETWORK WALL MOUNTED CABINET AND ASSOCIATED CABLING. RETURN CONTENTS TO OWNERS.
TND107	REMOVE AIPHONE MASTER INTERCOM STATION AND RETURN TO OWNER. RE-INSTALL DEVICE AT NEW FRONT OFFICE LOCATION. REFER TO SHEET TN1-11.
TND108	EXISTING GEMENI 9600 KEYPAD TO REMAIN OPERATIONAL DURING CONSTRUCTION.
TND109	EXISTING TIMECLOCK TO BE RELOCATED. REFERENCE SHEET TN1-11 FOR NEW LOCATION.
TND110	RELOCATE PA HEADEND CONTROLS TO NEW FRONT RECEPTIONIST'S DESK. REFERENCE SHEET TN1-11. MAINTAIN OPERATIONAL USE THROUGHOUT CONSTRUCTION WHILE SCHOOL IS IN SESSION.

SHEET NOTES

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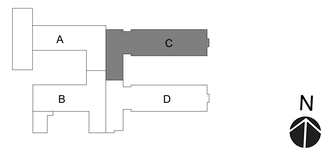
KEY PLAN



Bid and Permit

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DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX, 75207
p. 713-229-0688
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Contact: Sherri Myers
T: 972-245-5300

TECHNOLOGY DEMO FLOOR PLAN - SECTOR C

TND1-03

SCALE: As indicated

1 TECHNOLOGY DEMO LEVEL 1 SECTOR D
1/8" = 1'-0"

GENERAL SHEET NOTES

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KEYNOTES

Key Value	Keynote Text

SHEET NOTES

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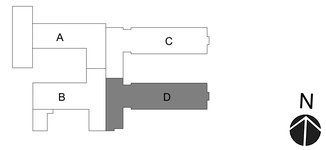
KEY PLAN



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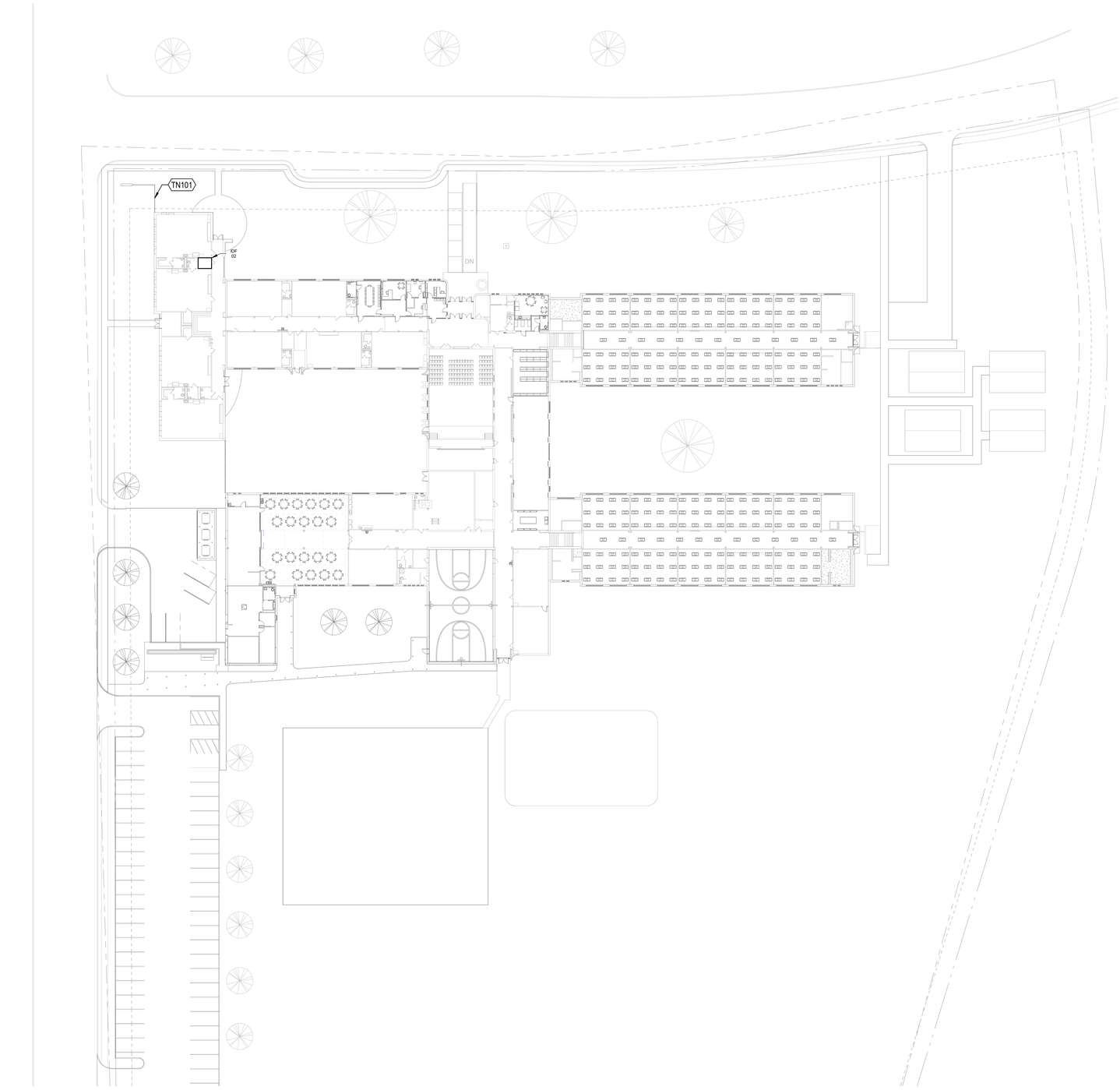
TECHNOLOGY DEMO FLOOR PLAN - SECTOR D

TND1-04

SCALE: As indicated



1 TECHNOLOGY SITE PLAN
1" = 30'-0"

GENERAL SHEET NOTES

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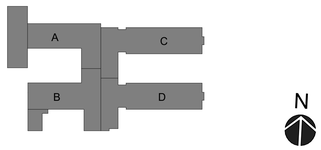
KEYNOTES

Key Value	Keynote Text
TN101	FURNISH AND INSTALL (2) OSP CATEGORY 6 CABLES FOR MARQUEE SIGN. ROUTE CABLING TO IDF 02. DIVISION 26 TO PROVIDE AND INSTALL 1 1/4" CONDUIT PATHWAY.

SHEET NOTES

KEY PLAN



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Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

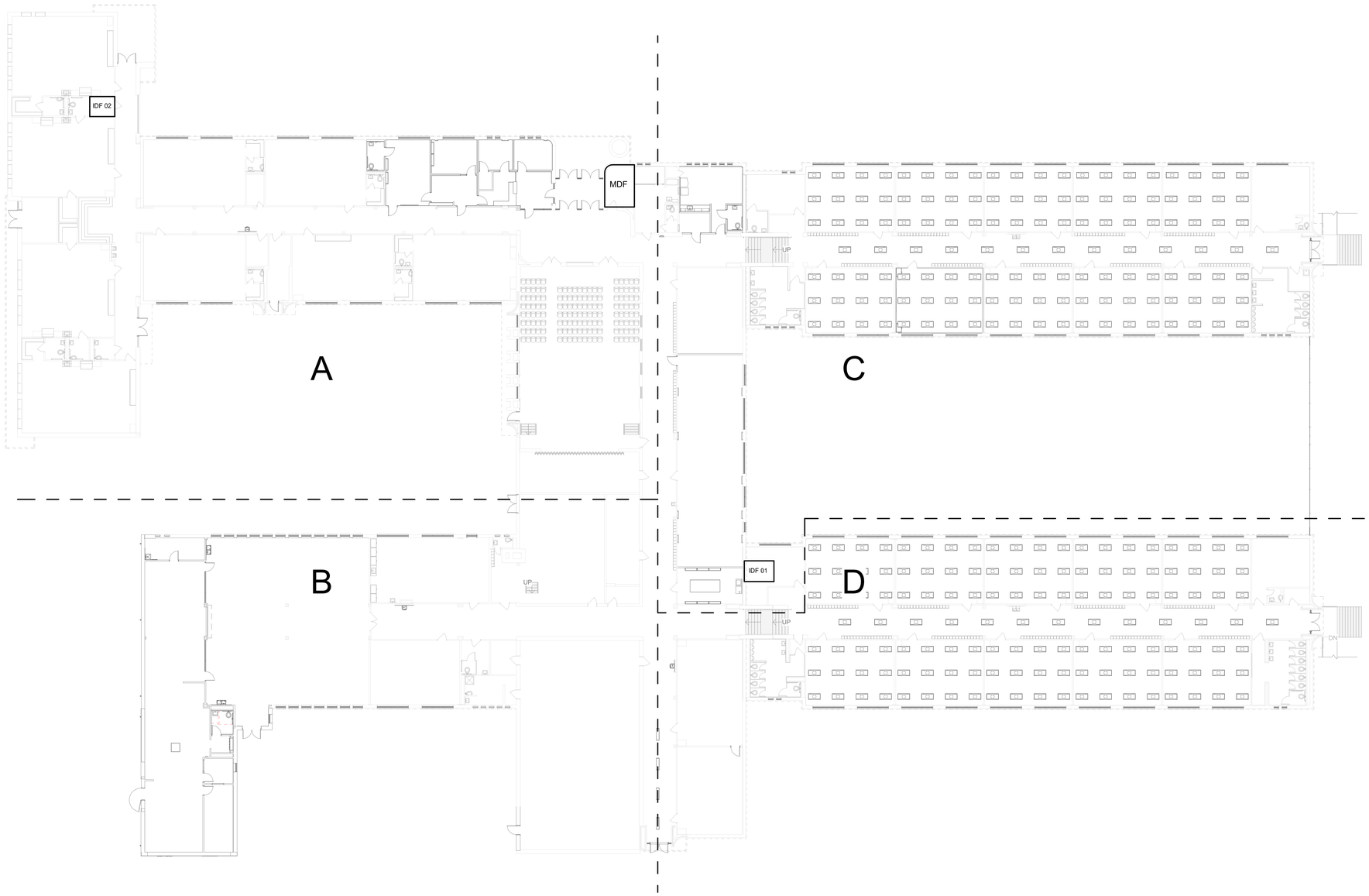
IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

TECHNOLOGY SITE PLAN

TN0-02

SCALE: As indicated



1 OVERALL FLOOR PLAN
1/16" = 1'-0"

GENERAL SHEET NOTES

A. BIRDIE ELEMENTARY SCHOOL IS AN OPERATIONAL SCHOOL AND AS SUCH EXECUTION OF THE WORK SHALL REQUIRE CLOSE COORDINATION WITH DISD I.T. AND STAFF ONSITE DURING THE TIME OF OPERATION. WORK TO BE PREPARED MAY REQUIRE OFF HOURS SCHEDULING AND NON-CONTINUOUS PHASING TO NOT DISTURB AND/DISRUPT NORMAL HOURS OF OPERATION.

B. MAKE A DETAILED INSPECTION OF EXISTING CONDITIONS, PRIOR TO STARTING ANY SHOP DRAWINGS, PRODUCT DATA, OR ANY OTHER TECHNICAL SUBMITTALS.

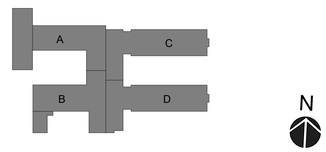
C. THE CONTRACTOR SHALL NOT START WORK UNTIL A SITE INVESTIGATION REPORT HAS BEEN SUBMITTED AND APPROVED.

KEYNOTES

Key Value	Keynote Text

SHEET NOTES

KEY PLAN



Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX, 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

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Ankeri M Smith
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Expires 12-31-26

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1	11/16/2023	100% DD
2	2/09/2024	50% CD
3	08/02/2024	95% CD
4	02/22/2026	IFP/IFB

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Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

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T: 972-887-5566

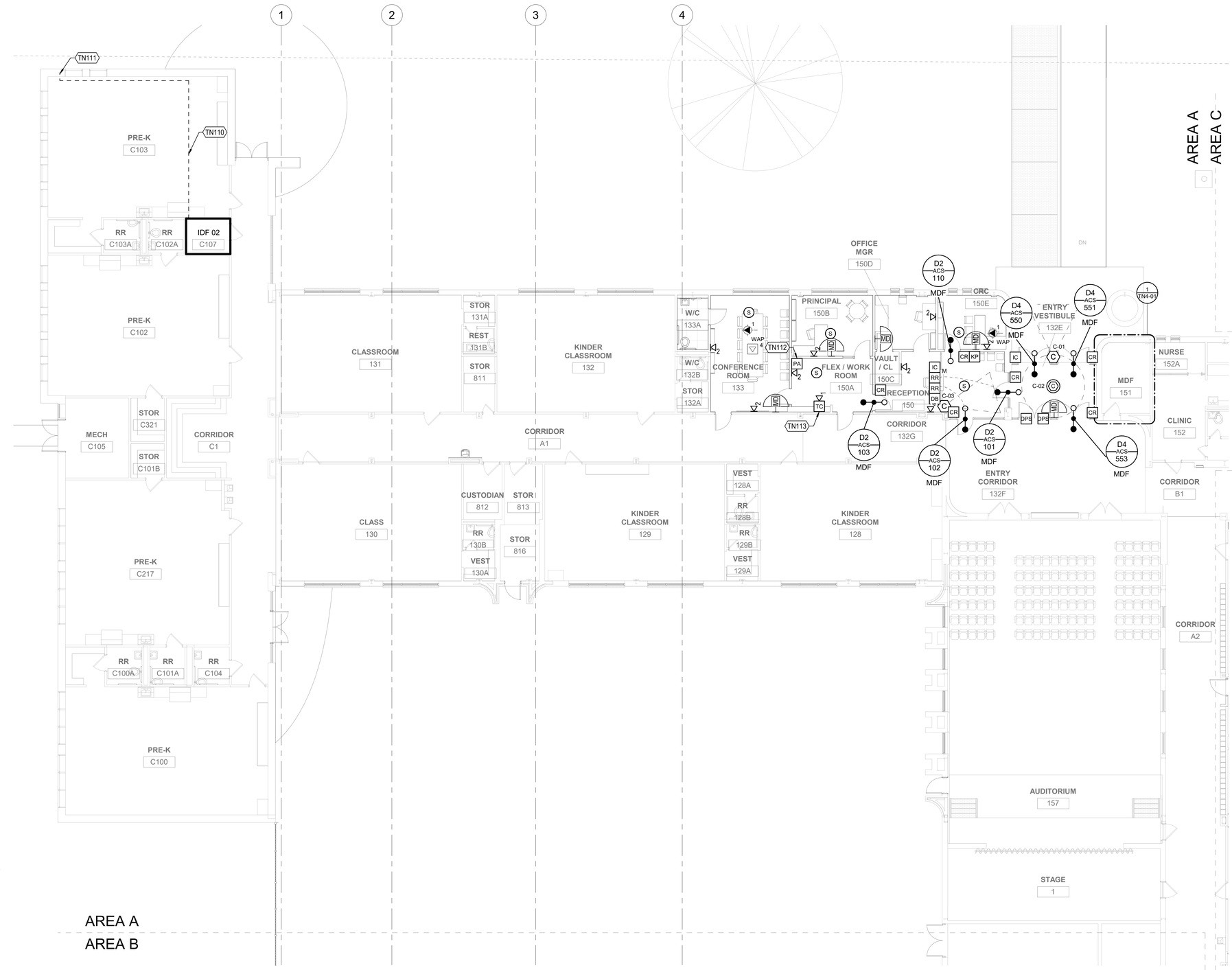
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

TECHNOLOGY FLOOR PLAN - OVERALL

TN1-00

SCALE: As indicated

Project Name: ORG. #235 BAES Date:Issue Date



1 FLOOR PLAN - AREA A
1/8" = 1'-0"

GENERAL SHEET NOTES

A. BIRDIE ELEMENTARY SCHOOL IS AN OPERATIONAL SCHOOL AND AS SUCH EXECUTION OF THE WORK SHALL REQUIRE CLOSE COORDINATION WITH DISD I.T. AND STAFF ONSITE DURING THE TIME OF OPERATION. WORK TO BE PREPARED MAY REQUIRE OFF HOURS SCHEDULING AND NON-CONTINUOUS PHASING TO NOT DISTURB AND/DISRUPT NORMAL HOURS OF OPERATION.

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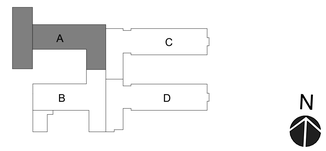
KEYNOTES

Key Value	Keynote Text
TN110	APPROXIMATE ROUTING OF 2 OSP RATED CAT6 CABLES FOR MARQUEE SIGN. ELECTRICAL TO PROVIDE CONDUIT FROM BUILDING EXTERIOR TO MARQUEE SIGN.
TN111	ELECTRICAL TO PROVIDE CONDUIT INTO ACCESSIBLE CEILING FOR MARQUEE CABLING.
TN112	RE-INSTALL PA HEADEND CONTROLS FOR FRONT RECEPTIONIST DESK STORED FROM DEMO ACTIVITIES.
TN113	COORDINATE FINAL PLACEMENT WITH DISD. ELECTRICAL TO PROVIDE POWER.

SHEET NOTES

1. RE-INSTALL ALL DEVICES STORED DURING DEMO ACTIVITIES TO THEIR ORIGINAL STATE.

KEY PLAN



Bid and Permit

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ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX, 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

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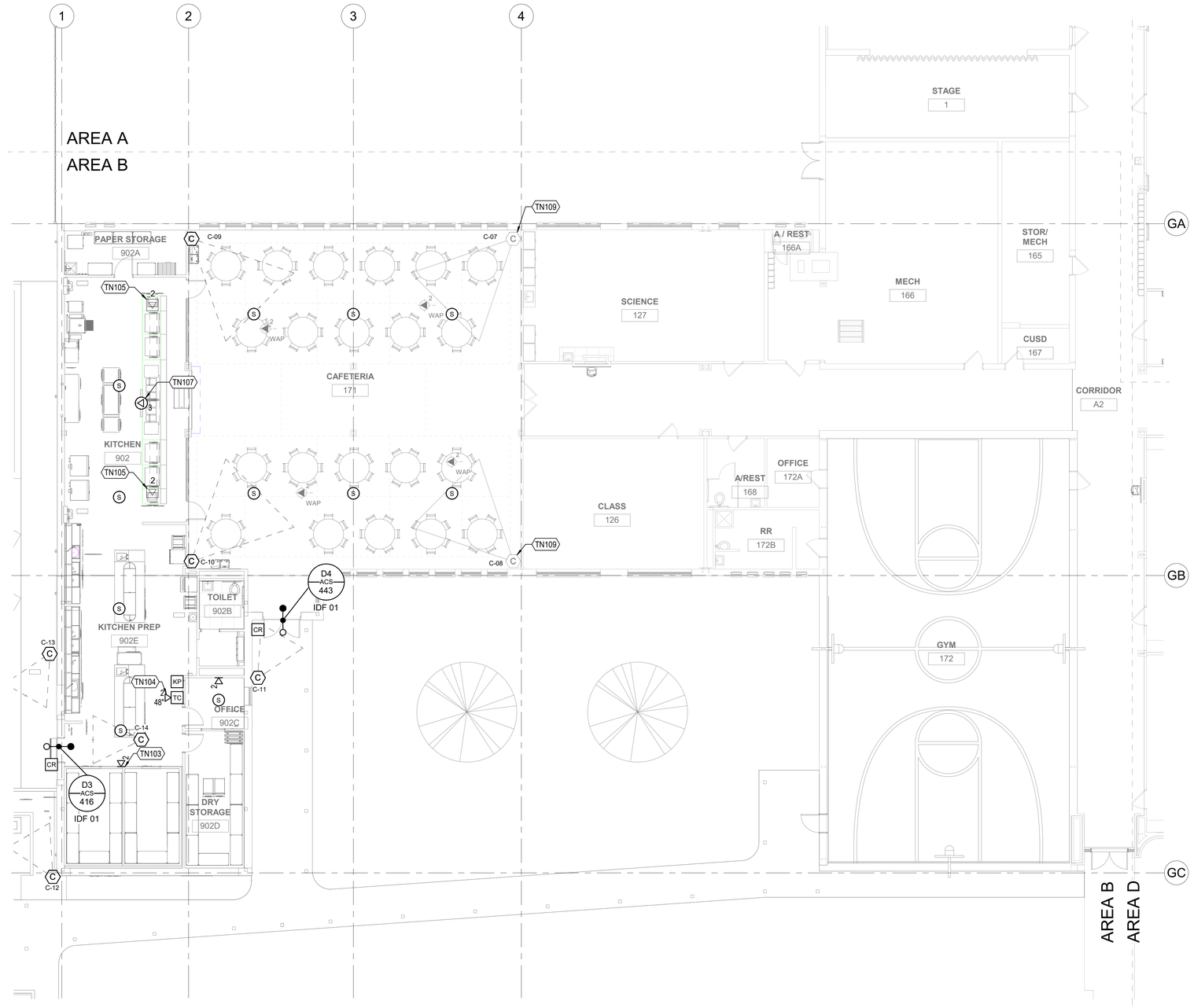
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

TECHNOLOGY FLOOR PLAN - SECTOR A

TN1-11

SCALE: As indicated



1 FLOOR PLAN - AREA B
1/8" = 1'-0"

GENERAL SHEET NOTES

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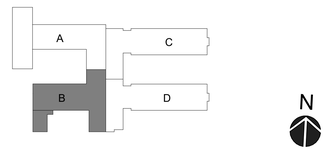
KEYNOTES

Key Value	Keynote Text
TN103	FURNISH AND INSTALL DATA OUTLET FOR NEW FREEZERS. COORDINATE EXACT PLACEMENT WITH FREEZER INSTALLER.
TN104	DATA OUTLET FOR TIMECLOCK.
TN105	POINT OF SALE LOCATIONS.
TN107	COORDINATE FINAL PLACEMENT OF MENU BOARDS WITH FOOD SERVICE CONSULTANT.
TN109	EXISTING TO REMAIN. PROTECT DURING CONSTRUCTION.

SHEET NOTES

1. RE-INSTALL ALL DEVICES STORED DURING DEMO ACTIVITIES TO THEIR ORIGINAL STATE.

KEY PLAN



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ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX, 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

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Ankan M Smith
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T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

Roofing:
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Contact: Richard R. Smith
T: 281-827-9250

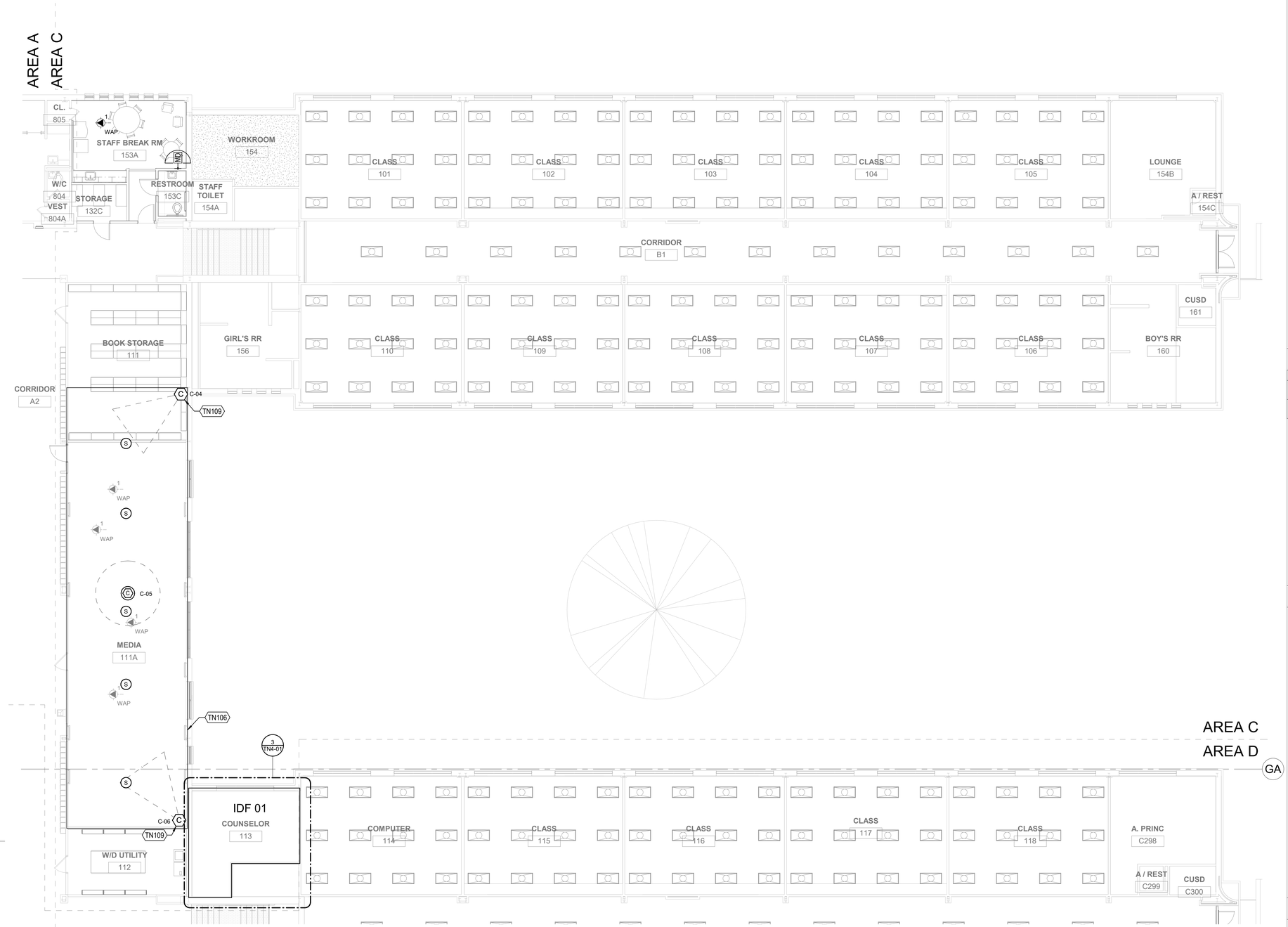
IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

TECHNOLOGY FLOOR PLAN - SECTOR B

TN1-12

SCALE: As indicated



1 FLOOR PLAN - AREA C
1/8" = 1'-0"

GENERAL SHEET NOTES

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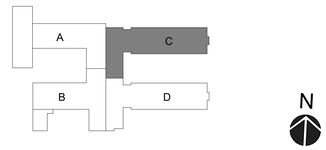
KEYNOTES

Key Value	Keynote Text
TN106	MEDIA ROOM DEVICE LOCATION TO BE FURTHER COORDINATED WITH INTERIOR FINISHES.
TN109	EXISTING TO REMAIN. PROTECT DURING CONSTRUCTION.

SHEET NOTES

1. RE-INSTALL ALL DEVICES STORED DURING DEMO ACTIVITIES TO THEIR ORIGINAL STATE.

KEY PLAN



Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX, 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

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MEPCE
Contact: Hunter Harris
T: 972-878-7648

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T: 281-827-9250

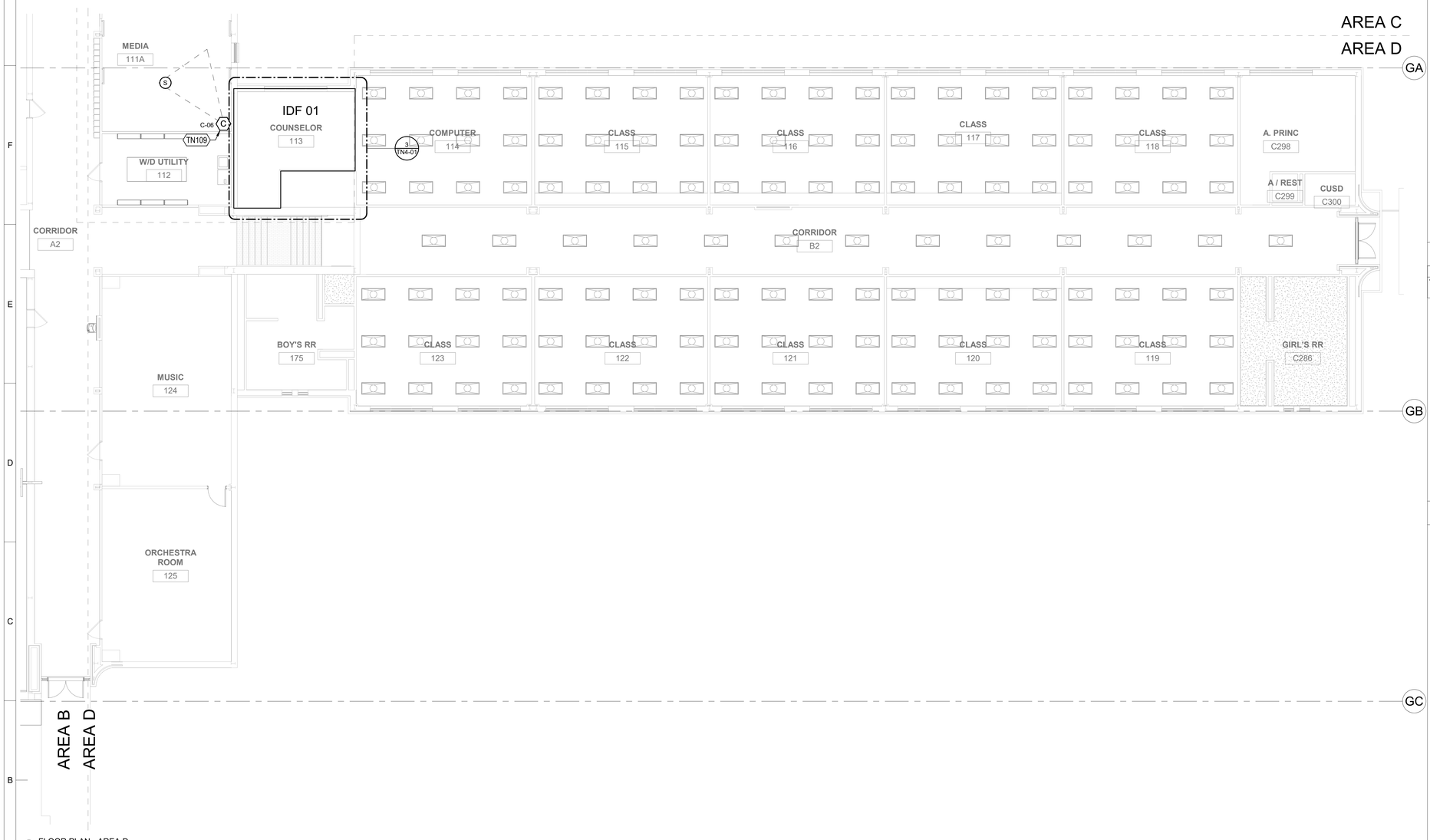
IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

TECHNOLOGY FLOOR PLAN - SECTOR C

TN1-13

SCALE: As indicated



1 FLOOR PLAN - AREA D
1/8" = 1'-0"

GENERAL SHEET NOTES

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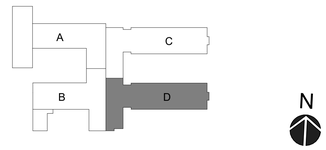
KEYNOTES

Key Value	Keynote Text
TN109	EXISTING TO REMAIN. PROTECT DURING CONSTRUCTION.

SHEET NOTES

1. RE-INSTALL ALL DEVICES STORED DURING DEMO ACTIVITIES TO THEIR ORIGINAL STATE.

KEY PLAN



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DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX, 75207
p. 713-229-0688
f. 713-229-0692
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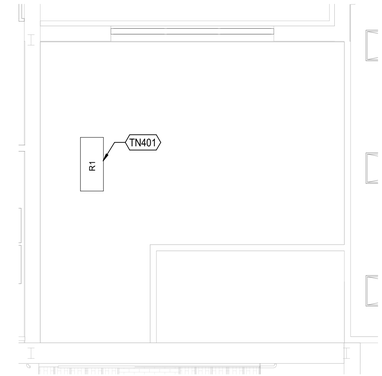
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

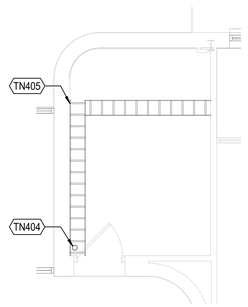
TECHNOLOGY FLOOR PLAN - SECTOR D

TN1-14

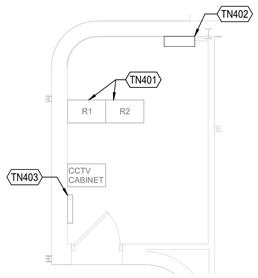
SCALE: As indicated



3 ENLARGED FLOOR PLAN - EXISTING IDF 01
1/4" = 1'-0"



2 ENLARGED OVERHEAD FLOOR PLAN - EXISTING MDF 151
1/4" = 1'-0"



1 ENLARGED FLOOR PLAN - EXISTING MDF 151
1/4" = 1'-0"

GENERAL SHEET NOTES

KEYNOTES

Key Value	Keynote Text
TN401	EXISTING NETWORK CABINETS TO REMAIN.
TN402	SPACE ALLOCATED FOR ACCESS CONTROL PANELS.
TN403	EXISTING INTRUSION DETECTION SYSTEM PANELS.
TN404	FURNISH AND INSTALL (1) 4" FIRE RATED SLEEVE ADJACENT TO EXISTING OVERHEAD PENETRATIONS. PROVIDE ACCESSIBILITY TO CORRIDOR ACCESSIBLE CEILING
TN405	EXISTING LADDER RACK TO REMAIN.

SHEET NOTES

Bid and Permit

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HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX. 75207
p. 713-229-0688
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BICSI RCDD — Registered Communications Distribution Designer
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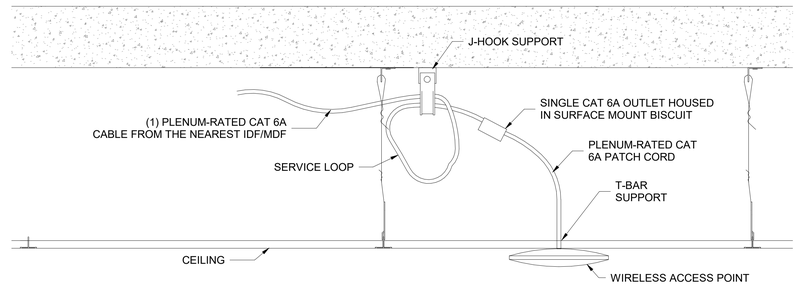
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

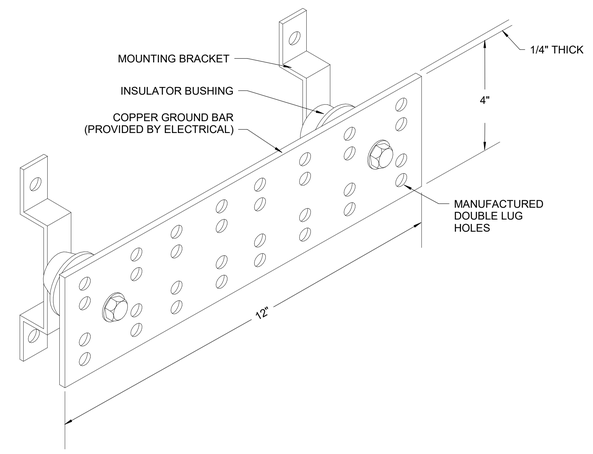
TECHNOLOGY ENLARGED PLAN

TN4-01

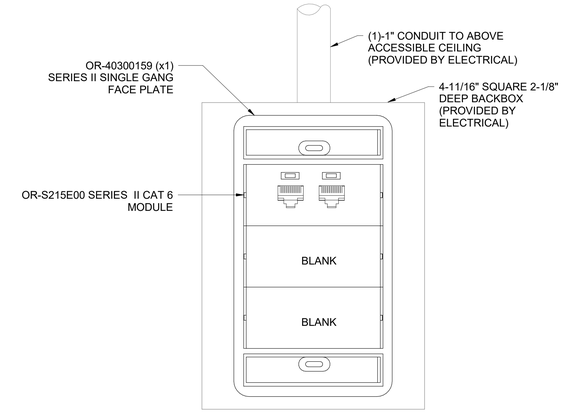
SCALE: 1/4" = 1'-0"



3 TYPICAL CEILING MOUNT WIRELESS ACCESS POINT
N.T.S.



2 TECHNOLOGY GROUND BAR DETAIL (TGB)
N.T.S.



1 TYPICAL WORK AREA OUTLETS
N.T.S.

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX. 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

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ISSUES & REVISIONS

No.	Date	Revision
1	11/16/2023	100% DD
2	2/09/2024	50% CD
3	08/02/2024	95% CD
4	02/22/2026	IFP/IFB

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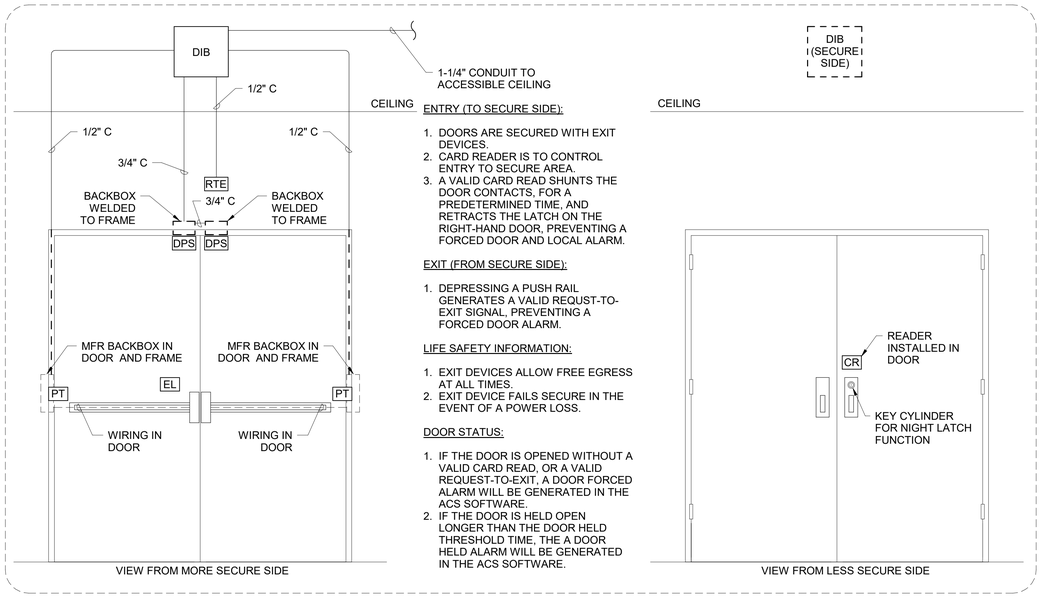
Contact: Sherri Myers
T: 972-245-5300

TECHNOLOGY DETAILS

TN5-00

SCALE: As indicated



ENTRY (TO SECURE SIDE):

1. DOORS ARE SECURED WITH EXIT DEVICES.
2. CARD READER IS TO CONTROL ENTRY TO SECURE AREA.
3. A VALID CARD READ SHUNTS THE DOOR CONTACTS, FOR A PREDETERMINED TIME, AND RETRACTS THE LATCH ON THE RIGHT-HAND DOOR, PREVENTING A FORCED DOOR AND LOCAL ALARM.

EXIT (FROM SECURE SIDE):

1. DEPRESSING A PUSH RAIL GENERATES A VALID REQUST-TO-EXIT SIGNAL, PREVENTING A FORCED DOOR ALARM.

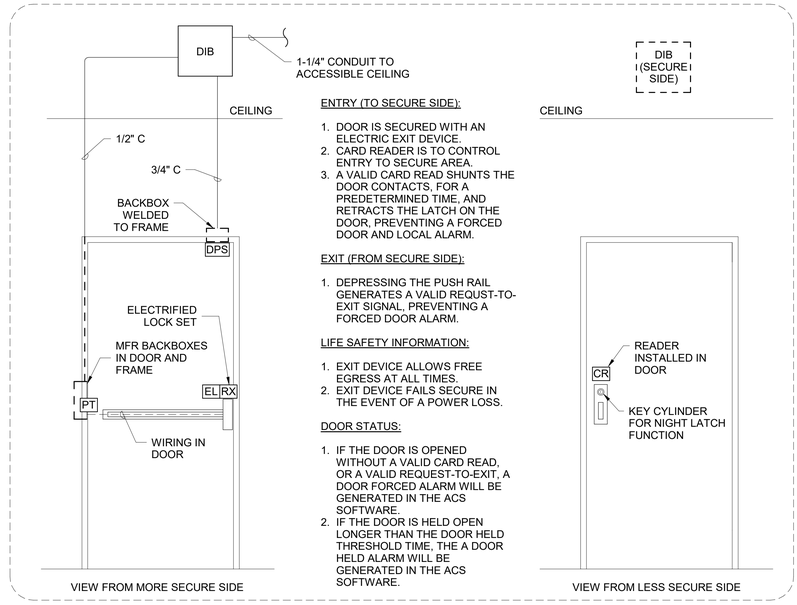
LIFE SAFETY INFORMATION:

1. EXIT DEVICES ALLOW FREE EGRESS AT ALL TIMES.
2. EXIT DEVICE FAILS SECURE IN THE EVENT OF A POWER LOSS.

DOOR STATUS:

1. IF THE DOOR IS OPENED WITHOUT A VALID CARD READ, OR A VALID REQUEST-TO-EXIT, A DOOR FORCED ALARM WILL BE GENERATED IN THE ACS SOFTWARE.
2. IF THE DOOR IS HELD OPEN LONGER THAN THE DOOR HELD THRESHOLD TIME, THE A DOOR HELD ALARM WILL BE GENERATED IN THE ACS SOFTWARE.

4 DOOR TYPE D4
N.T.S.



ENTRY (TO SECURE SIDE):

1. DOOR IS SECURED WITH AN ELECTRIC EXIT DEVICE.
2. CARD READER IS TO CONTROL ENTRY TO SECURE AREA.
3. A VALID CARD READ SHUNTS THE DOOR CONTACTS, FOR A PREDETERMINED TIME, AND RETRACTS THE LATCH ON THE DOOR, PREVENTING A FORCED DOOR AND LOCAL ALARM.

EXIT (FROM SECURE SIDE):

1. DEPRESSING THE PUSH RAIL GENERATES A VALID REQUST-TO-EXIT SIGNAL, PREVENTING A FORCED DOOR ALARM.

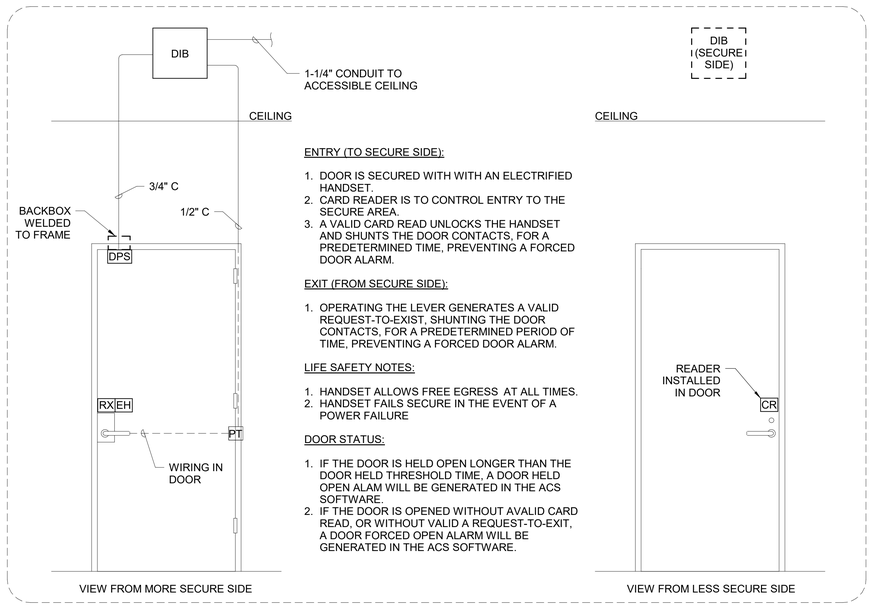
LIFE SAFETY INFORMATION:

1. EXIT DEVICE ALLOWS FREE EGRESS AT ALL TIMES.
2. EXIT DEVICE FAILS SECURE IN THE EVENT OF A POWER LOSS.

DOOR STATUS:

1. IF THE DOOR IS OPENED WITHOUT A VALID CARD READ, OR A VALID REQUEST-TO-EXIT, A DOOR FORCED ALARM WILL BE GENERATED IN THE ACS SOFTWARE.
2. IF THE DOOR IS HELD OPEN LONGER THAN THE DOOR HELD THRESHOLD TIME, THE A DOOR HELD ALARM WILL BE GENERATED IN THE ACS SOFTWARE.

3 DOOR TYPE D3
N.T.S.



ENTRY (TO SECURE SIDE):

1. DOOR IS SECURED WITH WITH AN ELECTRIFIED HANDSET.
2. CARD READER IS TO CONTROL ENTRY TO THE SECURE AREA.
3. A VALID CARD READ UNLOCKS THE HANDSET AND SHUNTS THE DOOR CONTACTS, FOR A PREDETERMINED TIME, PREVENTING A FORCED DOOR ALARM.

EXIT (FROM SECURE SIDE):

1. OPERATING THE LEVER GENERATES A VALID REQUEST-TO-EXIST, SHUNTING THE DOOR CONTACTS, FOR A PREDETERMINED PERIOD OF TIME, PREVENTING A FORCED DOOR ALARM.

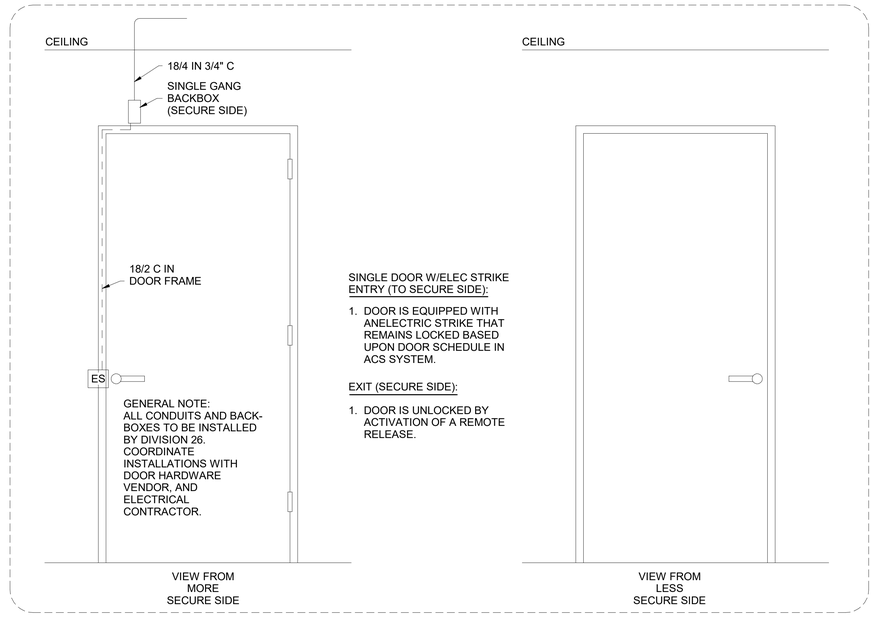
LIFE SAFETY NOTES:

1. HANDSET ALLOWS FREE EGRESS AT ALL TIMES.
2. HANDSET FAILS SECURE IN THE EVENT OF A POWER FAILURE

DOOR STATUS:

1. IF THE DOOR IS HELD OPEN LONGER THAN THE DOOR HELD THRESHOLD TIME, A DOOR HELD OPEN ALAM WILL BE GENERATED IN THE ACS SOFTWARE.
2. IF THE DOOR IS OPENED WITHOUT AVALID CARD READ, OR WITHOUT VALID A REQUEST-TO-EXIT, A DOOR FORCED OPEN ALARM WILL BE GENERATED IN THE ACS SOFTWARE.

2 DOOR TYPE D2
N.T.S.



SINGLE DOOR W/ELEC STRIKE
ENTRY (TO SECURE SIDE):

1. DOOR IS EQUIPPED WITH ANELECTRIC STRIKE THAT REMAINS LOCKED BASED UPON DOOR SCHEDULE IN ACS SYSTEM.

EXIT (SECURE SIDE):

1. DOOR IS UNLOCKED BY ACTIVATION OF A REMOTE RELEASE.

1 DOOR TYPE D1
N.T.S.

Bid and Permit

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100 Glass St.
Dallas, TX. 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

BICSI Aedan M Smith BICSI ID # 240577 Expires 12-31-26 RCDD

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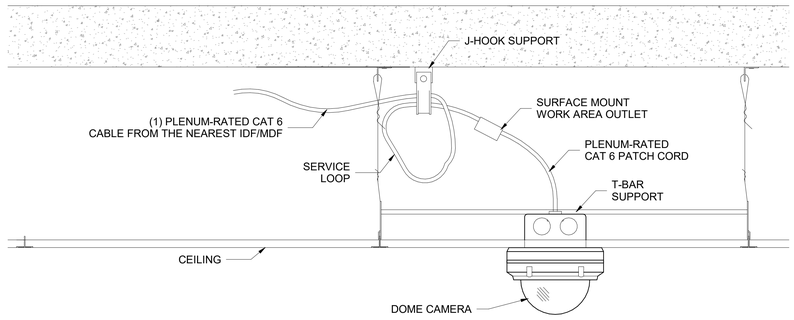
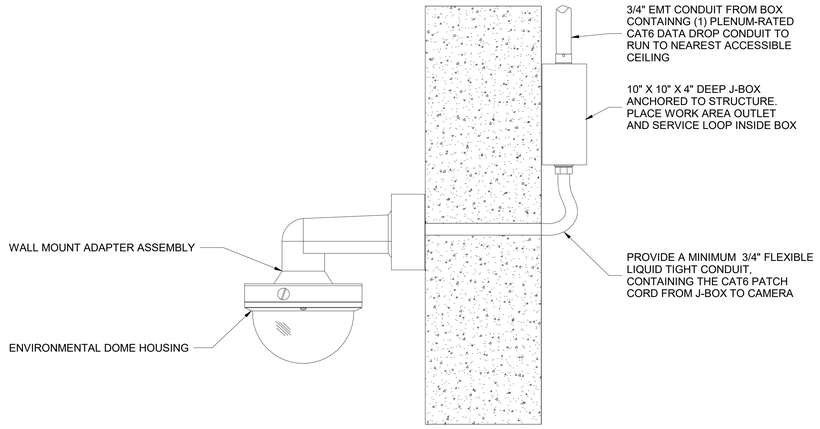
TECHNOLOGY DOOR DETAILS

TN5-01

SCALE: N.T.S.



2 SECURITY TYPE C1 CEILING MOUNT CAMERA - TYPICAL
N.T.S.



NOTES:
1. ENSURE CAMERA IS PROPERLY GROUNDED.
2. ENSURE ALL WALL PENETRATIONS ARE SEALED WITH WATER RESISTANT AGENT

1 EXTERIOR DOME MOUNT CAMERA - TYPICAL
N.T.S.

Bid and Permit

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Awban M Smith
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Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

TECHNOLOGY
CAMERA DETAILS

TN5-02

SCALE: As indicated

SECURITY CAMERA SCHEDULE

CAMERA ID	COMMUNICATION ROOM	LEVEL	MOUNTING	SHEET NUMBER	MOUNTING HEIGHT	DETAIL REFERENCE
C-01	MDF	Level 1	Ceiling Mount	TN1-11	8' - 0"	2/TN5-02
C-02	MDF	Level 1	Ceiling Mount 360	TN1-11	8' - 0"	2/TN5-02
C-03	MDF	Level 1	Ceiling Mount	TN1-11	8' - 0"	2/TN5-02
C-04	IDF 01	Level 1	Ceiling Mount	TN1-13	8' - 0"	2/TN5-02
C-05	IDF 01	Level 1	Ceiling Mount 360	TN1-13	8' - 0"	2/TN5-02
C-06	IDF 01	Level 1	Ceiling Mount	TN1-13	8' - 0"	2/TN5-02
C-07	IDF 01	Level 1	Ceiling Mount	TN1-12	8' - 0"	2/TN5-02
C-08	IDF 01	Level 1	Ceiling Mount	TN1-12	8' - 0"	2/TN5-02
C-09	IDF 01	Level 1	Ceiling Mount	TN1-12	8' - 0"	2/TN5-02
C-10	IDF 01	Level 1	Ceiling Mount	TN1-12	8' - 0"	2/TN5-02
C-11	IDF 01	Level 1	Surface Mount	TN1-12	7' - 6"	1/TN5-02
C-12	IDF 01	Level 1	Ceiling Mount	TN1-12	8' - 0"	2/TN5-02
C-13	IDF 01	Level 1	Surface Mount	TN1-12	7' - 6"	1/TN5-02
C-14	IDF 01	Level 1	Ceiling Mount	TN1-12	5' - 7"	2/TN5-02
Grand total: 14						

SECURITY DOOR SCHEDULE

DOOR ID	TYPE	COMM ROOM	DESCRIPTION	LEVEL	OPENING	HARDWARE
101	D2	MDF	SINGLE DOOR WITH STRIKE	Level 1	SINGLE	ELECTRIC STRIKE
102	D2	MDF	SINGLE DOOR WITH STRIKE	Level 1	SINGLE	ELECTRIC STRIKE
103	D2	MDF	SINGLE DOOR WITH STRIKE	Level 1	SINGLE	ELECTRIC STRIKE
110	D2	MDF	SINGLE DOOR WITH STRIKE	Level 1	SINGLE	ELECTRIC STRIKE
416	D3	IDF 01	SINGLE DOOR WITH STRIKE	Level 1	SINGLE	ELECTRIC STRIKE
443	D4	IDF 01	DOUBLE DOOR WITH STRIKE	Level 1	DOUBLE	ELECTRIC STRIKE
550	D4	MDF	DOUBLE DOOR WITH STRIKE	Level 1	DOUBLE	ELECTRIC STRIKE
551	D4	MDF	DOUBLE DOOR WITH STRIKE	Level 1	DOUBLE	ELECTRIC STRIKE
553	D4	MDF	DOUBLE DOOR WITH STRIKE	Level 1	DOUBLE	ELECTRIC STRIKE
Grand total: 9						

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TECHNOLOGY SCHEDULES

TN5-03

SCALE:

REFER TO FOODSERVICE DESIGN PROFESSIONALS SPECIFICATIONS AND SUBSEQUENT SHEETS FOR ADDITIONAL COORDINATION INFORMATION

FOODSERVICE DESIGN PROFESSIONALS

FOOD SERVICE DRAWING INDEX	
FDP SHEET NUMBER	FDP SHEET NAME
QF0	FS GENERAL COORDINATION NOTES
QF1	FS GENERAL COORDINATION NOTES
QF1.0	FS EQUIPMENT PLAN
QF1.1	FS FACILITY MODEL
QF1.2	FS EQUIPMENT MODEL
QF1.3	FS SPECIAL CONDITIONS & MECHANICAL PLAN
QF1.4	FS PLUMBING PLAN
QF1.5	FS ELECTRICAL PLAN
QF1.6	FS EXHAUST HOODS
QF1.7	FS CONDENSING UNITS
QF1.8	FS ELEVATIONS
QF1.9	FS SECTIONS & DETAILS
QF1.9.1	FS DETAILS
QF1.9.2	FS DETAILS

CRITICAL NOTES:

1. CONTRACTOR MUST COORDINATE AND VERIFY ALL DIMENSIONS WITH FOOD SERVICE EQUIPMENT SHOP DRAWINGS AND MANUFACTURER'S DATA. DIMENSIONS SHOWN ARE FOR DESIGN AND BIDDING PURPOSES ONLY.
2. COLD STORAGE ASSEMBLY DOORS MUST BE LEFT OPEN WHILE INTERIOR CONCRETE FLOOR CURES.
3. INSTALL PROTECTIVE COVER ON COLD STORAGE ASSEMBLY WALLS BEFORE INSTALLING CONCRETE FLOORS AND CURBS.
4. REFER TO GENERAL SPECS - DIVISION 26 TO PROVIDE AND INSTALL CONDUIT, WIRING AND EMERGENCY STROBE BEACONS. INTERCONNECT PANIC ALARM INSIDE FREEZER TO BOTH BEACONS.
5. REFER TO GENERAL SPECS - DIVISION 27 TO PROVIDE CONDUIT, DATA, AND INTERCONNECT THE PANIC ALARM INSIDE FREEZER TO THE BUILDING AUTOMATION SYSTEM FOR NOTIFICATION TO DISTRICT PERSONNEL.

7 CRITICAL NOTES
NOT TO SCALE

DIVISION 23 (MECHANICAL) RESPONSIBLE FOR BUT NOT LIMITED TO:

1. **DO NOT ROUGH-IN FROM FDP DRAWINGS. REFER TO THE KITCHEN EQUIPMENT CONTRACTOR'S DIMENSIONED SHOP DRAWINGS. DIMENSIONS INDICATED ARE TO BE VERIFIED BY KITCHEN EQUIPMENT CONTRACTOR AND ADJUSTED AS REQUIRED BY EQUIPMENT AND/OR FIELD CONDITIONS.**
2. SECTION 11 40 00 TO VERIFY UTILITY REQUIREMENTS OF EXISTING EQUIPMENT.
3. ALL CONNECTIONS SHALL BE MADE FOLLOWING LOCAL CODES AND NATIONAL STANDARDS, EXCEPT WHERE PLANS AND SPECIFICATIONS EXCEED THOSE CODES AND STANDARDS.
4. VERIFY ALL MECHANICAL REQUIREMENTS WITH ENGINEERING DRAWINGS.
5. EMPTY EMT CONDUIT WITH PULL-WIRE AND WIDE-SWEEP BENDS FOR REFRIGERANT PIPING TO REMOTE FOOD SERVICE EQUIPMENT REFRIGERATION SYSTEMS.
6. ROUGH-IN AND FINAL CONNECTION OF MECHANICAL SYSTEMS TO FOOD SERVICE EQUIPMENT, COLD STORAGE ASSEMBLIES, AND BETWEEN COMPONENTS (INCLUDING MATERIALS AND LABOR).
7. TESTING AND BALANCING FOR ROOMS AND EXHAUST HOODS TO BE PERFORMED BY MECHANICAL CONTRACTOR. BALANCE REPORT FOR FOOD SERVICE EXHAUST HOODS TO BE PROVIDED TO FOODSERVICE DESIGN PROFESSIONALS (FDP) IMMEDIATELY UPON COMPLETION (SEND TO HOUSTON.SUBMITTAL@FDP.ORG FOR HOUSTON OFFICE AND DALLAS.SUBMITTAL@FDP.ORG FOR DALLAS OFFICE) AND MUST BE SUBMITTED WITH O&M MANUALS.
8. EXHAUST HOODS, CONDENSATE HOODS, FIRE SUPPRESSION SYSTEMS, CONNECTIONS AND CONTROLS (PROVIDE AND INSTALL – *UNLESS OTHERWISE SPECIFIED*). PROVIDE TEMPERED AIR AT ALL SUPPLY DUCTS.
   A. IF EXHAUST/CONDENSATE HOODS AND FIRE SUPPRESSION SYSTEMS ARE SPECIFIED UNDER SECTION 11 40 00, DIVISION 23 IS RESPONSIBLE FOR ALL EXHAUST AND CONDENSATE HOOD CONNECTIONS (PROVIDE AND INSTALL).
9. VFD SYSTEM AND CONTROLLERS, WHEN REQUIRED BY CODE (PROVIDE AND INSTALL).
10. PROVIDE AND INSTALL ALL VENTILATION (DIRECT OR INDIRECT), AIR CONDITIONING AND HEATING SYSTEMS (UNLESS OTHERWISE SPECIFIED).
11. COORDINATE SUPPLY AND RETURN DUCTS ABOVE SERVING COUNTERS. NO COLD AIR BLOWN DIRECTLY ON HOT FOOD COUNTERS.
12. COORDINATE SUPPLY AND RETURN DUCTS AWAY FROM EQUIPMENT WITH TOP MOUNTED REFRIGERATION. NO AIR BLOWN DIRECTLY ON COMPRESSORS.
13. MECHANICAL CONTRACTOR TO LOCATE TEMPERATURE MONITORS WITHIN RETURN DUCTS.
14. CIRCULATING AIR ABOVE COLD STORAGE ASSEMBLIES (PROVIDE AND INSTALL).
15. CIRCULATING AIR ABOVE AND IN AIR GAPS AT WAREHOUSE COLD STORAGE ASSEMBLIES (PROVIDE AND INSTALL).
16. WATER CHILLERS AS REQUIRED (PROVIDE, SIZE AND LOCATE).
17. PIPING FROM ICE BUILDERS TO TUMBLE CHILLERS (PROVIDE, SIZE AND LOCATE).

3 MECHANICAL COORDINATION NOTES
NOT TO SCALE

ARCHITECTURAL COORDINATION REQUIREMENTS (FOOD SERVICE COLOR, MATERIAL, OR SIGNAGE SELECTIONS):

1. COUNTERTOPS: STONE (STAINLESS STEEL IS PROVIDED UNLESS OTHERWISE SPECIFIED).
2. TRAY SLIDES: CORIAN OR STONE (STAINLESS STEEL IS PROVIDED UNLESS OTHERWISE SPECIFIED).
3. COUNTER FRONTS: CERAMIC TILE, 3 FORM, OR PLASTIC LAMINATE.
4. SNEEZE GUARDS: STONE INSETS.
5. GENERAL COLOR, MATERIAL AND GRAPHIC SELECTIONS:
   A. DISPLAY AIR SCREEN MERCHANDISERS - COLOR SELECTION: POWDER COAT OR PLASTIC LAMINATE (S/S IS PROVIDED UNLESS OTHERWISE SPECIFIED).
   B. BAKERY DISPLAY CASES - COLOR SELECTION: POWDER COAT OR PLASTIC LAMINATE (S/S IS PROVIDED UNLESS OTHERWISE SPECIFIED).
   C. PASS THRU OR REACH IN HOLDING CABINETS - COLOR SELECTION: POWDER COAT (MFG.: TRUE) OR PLASTIC LAMINATE (MFG.: TRAULSEN) (S/S IS PROVIDED UNLESS OTHERWISE SPECIFIED).
   D. HANGING HEAT LAMPS - TRACK AND FIXTURE COLOR SELECTION.
   E. HEATED MERCHANDISERS.
   F. PORTABLE GUIDE RAILS - STANCHION AND BELT COLOR SELECTION.
   G. POPCORN MACHINE - SIGNAGE SELECTION.
   H. BOTTLE COOLER - SIGNAGE SELECTION.
   I. GRAPHICS PACKAGE INFORMATION.
   J. HOT FOOD WELL COVERS.
6. GENERAL ARCHITECTURAL FINISHES:
   A. WALLS: CERAMIC TILE, FLAT FRP, OR MOLDED FRP (SMOOTH, IMPERVIOUS, AND EASILY CLEANABLE AS APPROVED BY LOCAL JURISDICTION).
   B. CEILINGS: REMOVABLE VINYL FACE TILE (SMOOTH, IMPERVIOUS, AND EASILY CLEANABLE AS APPROVED BY LOCAL JURISDICTION).
   C. FLOORS: TILE, EPOXY, OR RUBBERIZED FLOORING SYSTEM (SMOOTH, IMPERVIOUS, EASILY CLEANABLE AND SLIP RESISTANT AS APPROVED BY LOCAL JURISDICTION) (COORDINATE FLOOR TILE TRANSITION AT SERVING LINES).
   D. FLOORS: COLD STORAGE ASSEMBLY - EXTEND KITCHEN FLOOR FLUSH INTO COLD STORAGE ASSEMBLY WITH COVED BASE.
   E. FURR DOWNS ABOVE SERVING COUNTERS.

5 ARCHITECTURAL COORDINATION NOTES
NOT TO SCALE

DIVISION 26 (ELECTRICAL) IS RESPONSIBLE FOR BUT NOT LIMITED TO:

1. **DO NOT ROUGH IN FROM FDP DRAWINGS. REFER TO THE KITCHEN EQUIPMENT CONTRACTOR'S DIMENSIONED SHOP DRAWINGS. DIMENSIONS INDICATED ARE TO BE VERIFIED BY KITCHEN EQUIPMENT CONTRACTOR AND ADJUSTED AS REQUIRED BY EQUIPMENT AND FIELD CONDITIONS.**
2. SECTION 11 40 00 TO VERIFY UTILITY REQUIREMENTS OF EXISTING EQUIPMENT.
3. ALL CONNECTIONS SHALL BE MADE FOLLOWING LOCAL CODES AND NATIONAL STANDARDS, EXCEPT WHERE PLANS AND SPECIFICATIONS EXCEED THOSE CODES AND STANDARDS.
4. VERIFY ALL ELECTRICAL REQUIREMENTS WITH ENGINEERING DRAWINGS.
5. ROUGH-IN AND FINAL CONNECTION OF ELECTRICAL SYSTEMS TO FOOD SERVICE EQUIPMENT, COLD STORAGE ASSEMBLIES, AND BETWEEN COMPONENTS (INCLUDING MATERIALS AND LABOR). ACCESSORIES PROVIDED LOOSE WITH FOOD SERVICE EQUIPMENT BY SECTION 11 40 00 TO BE FIELD INSTALLED BY DIVISION 26.
6. EMPTY EMT CONDUIT WITH PULL-WIRE AND WIDE-SWEEP BENDS FOR REFRIGERANT PIPING TO REMOTE FOOD SERVICE EQUIPMENT REFRIGERATION SYSTEMS.
7. EMPTY EMT CONDUIT WITH PULL-WIRE AND WIDE-SWEEP BENDS FOR INTERCONNECT CABLES BETWEEN LAN AND POS TERMINALS, CHANGE-MAKERS, PRE-CHECK UNITS, PRINTERS, CPUS, ETC. DIVISION 26 TO VERIFY WHERE THE CONDUIT IS TO RUN FOR POS SYSTEM (I.E., MANAGER'S OFFICE OR IDF ROOM).
8. EMPTY EMT CONDUIT WITH PULL-WIRE AND WIDE-SWEEP BENDS FOR FIRE SUPPRESSION SYSTEMS. INTERCONNECT FIRE PROTECTION SYSTEM TO PANEL BOX SHUNT TRIPS AND BUILDING ALARM.
9. WALK-IN LIGHT FIXTURE INSTALLATION (PROVIDED LOOSE BY SECTION 11 40 00).
10. TABLE LIMIT SWITCH INSTALLATION (PROVIDED LOOSE BY SECTION 11 40 00).
11. ELECTRICAL MATERIALS AND DEVICES (SHUNT-TRIP BREAKERS, SURGE PROTECTORS, LIGHTING CONTROL DEVICES, CONDUIT, WIRE, ETC.).
12. SWITCHES AND STAINLESS STEEL DISCONNECTS AS REQUIRED (PROVIDE, LOCATE, AND INSTALL – TO BE IN AN ACCESSIBLE LOCATION).
13. CHARGING STATIONS FOR FORKLIFTS, PALLET STACKERS, AND PALLET JACKS (SIZE, PROVIDE, LOCATE, AND INSTALL).
14. INTERCONNECTION BETWEEN CONDENSATE FAN AND DISHMACHINE CONTROL PANEL.
15. INTERCONNECTION BETWEEN EXHAUST HOOD FANS AND SWITCH.
16. INTERCONNECTION BETWEEN EXHAUST HOOD LIGHTS AND SWITCH.
17. DOOR HEATERS, LIGHTS, COILS, AND PRESSURE RELIEF PORTS PRE-WIRED TO JUNCTION BOX AT TOP OF COLD STORAGE ASSEMBLIES PROVIDED BY SECTION 11 40 00. FINAL CONNECTION BY DIV. 26.
18. IF ANY ELECTRICAL ACCESSORIES, FITTINGS, AND CORD/PLUGS ARE PROVIDED LOOSE WITH EQUIPMENT BY 11 40 00, DIV.26 IS TO ATTACH TO EQUIPMENT AND PROVIDE FINAL CONNECTION.
19. PROVIDE WATERPROOF RECEPTACLES IN WET AREAS.
20. ALL ELECTRICAL CONNECTIONS BENEATH EXHAUST HOODS TO EXTEND TO SHUNT TRIP BREAKERS WITH ELECTRICAL PANEL BOX FOR SHUTDOWN DURING FIRE MODE.
21. RECEPTACLES ARE TO BE PRE-WIRED TO THE JUNCTION BOX OR LOAD CENTER FOR FINAL CONNECTION BY DIVISION 26.
22. ALL ELECTRICAL LIGHTING, POWER, AND DISTRIBUTION SYSTEMS.
23. DO NOT INTERCONNECT MORE THAN THREE (3) CONVENIENCE OUTLETS ON ONE (1) BREAKER.
24. OTHER THAN CONVENIENCE OUTLETS, ALL ELECTRICAL CONNECTIONS SHOWN ON FOOD SERVICE PLANS ARE DEDICATED BREAKERS.
25. DOORBELL AT RECEIVING DOOR (PROVIDE AND INSTALL – TO BE AUDIBLE THROUGHOUT KITCHEN, OFFICE, AND DRY STORAGE ROOM).
26. ADEQUATE LIGHTING AT RECEIVING DOOR.
27. PROVIDE AND INSTALL TWO EMERGENCY STROBE BEACONS THAT INTERCONNECT TO PANIC ALARM IN WALK-IN FREEZER. ONE (1) IN KITCHEN ABOVE WALK-IN FREEZER DOOR ONE (1) IN CAFETORIUM. REFER TO GENERAL SPECIFICATIONS FOR ADDITIONAL DETAILS.
27. DEDICATED CIRCUIT FOR HEATED DRAIN LINE CONNECTION IN WALK-IN FREEZER AT EACH COIL.

NOTE: ELECTRICAL CONNECTIONS INDICATED ARE THOSE REQUIRED FOR THE FOOD SERVICE EQUIPMENT AND THOSE REQUIRED FOR SUPPORT EQUIPMENT FURNISHED BY DIVISION 26. FOR ADDITIONAL REQUIREMENTS, REFER TO THE ELECTRICAL ENGINEER'S DRAWINGS.

6 ELECTRICAL COORDINATION NOTES
NOT TO SCALE

GENERAL CONTRACTOR RESPONSIBLE FOR BUT NOT LIMITED TO:

1. ANY WALL PENETRATION REQUIRED FOR FOOD SERVICE EQUIPMENT UTILITIES. ESCUTCHEON PLATES OR S/S SLEEVES TO BE PROVIDED AND INSTALLED AS NEEDED.
2. BULK FREEZER VENTILATION PIPE (PROVIDE AND INSTALL, UNLESS OTHERWISE SPECIFIED).
3. CORE DRILLING FOR GUIDE RAILS.
4. REFRIGERATION ROOF CURBS / ROOF JACK.
5. INTERIOR BOLLARDS – TO BE EPOXY PAINTED PER LOCAL CODES (PROVIDE AND INSTALL).
6. FURNISH AND INSTALL 3/4" PLYWOOD BLOCKING IN THE WALL FOR MOUNTING EQUIPMENT FURNISHED BY SECTION 11 40 00 AS REQUIRED.
7. WALK-IN DEPRESSIONS (TO BE DEAD LEVEL) AND SAND LEVELING BED.
8. STRUCTURAL BRACING FOR BULK WALK-IN CEILING PANELS IF REQUIRED.
9. MENU SYSTEM VIDEO MONITORS IN SERVERY (UNLESS OTHERWISE SPECIFIED).
10. STRUCTURAL BRACING FOR MENU SYSTEM VIDEO MONITORS IF REQUIRED.
11. INTERIOR/EXTERIOR REFRIGERATION PENETRATIONS AND SLEEVES AT BUILDING PENETRATIONS.
12. DOORSCOPE VIEWER (PEEPHOLE) WITH WIDE VIEWING ANGLE AT RECEIVING DOOR.
13. CANOPY AT RECEIVING DOOR. COORDINATE HEIGHT WITH THE HEIGHT OF RECEIVING DOOR (8') AND THE MOUNTING HEIGHT OF AIR SCREEN ABOVE THE DOOR.
14. SOAP AND TOWEL DISPENSER PROVIDED BY OWNER. G.C. RESPONSIBLE FOR INSTALLATION.
15. WASHER AND DRYER (PROVIDE AND INSTALL, UNLESS OTHERWISE SPECIFIED).
16. DWARF WALL AT EXPOSED FRONT/ENDS OF CAFETERIA SERVING COUNTERS WITH FINISH AS SELECTED BY ARCHITECT.

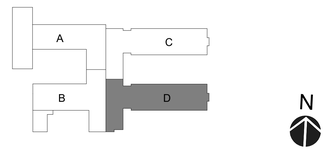
2 GENERAL CONTRACTOR COORDINATION NOTES
NOT TO SCALE

GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

KEY PLAN



Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

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	02/22/2026	Bid & Permit Set

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T: 214-752-9092

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Contact: Hunter Harris
T: 972-878-7648

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Contact: Richard R. Smith
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T: 972-887-5566

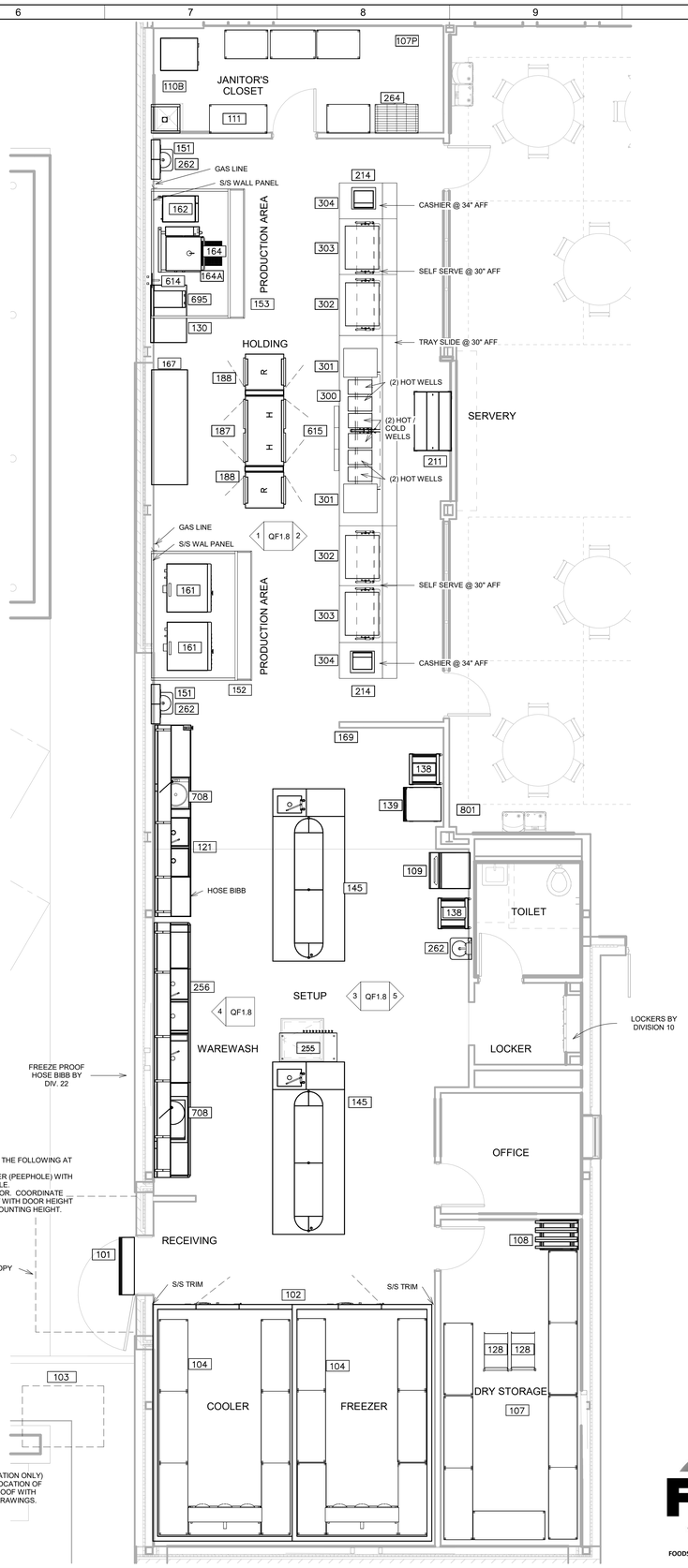
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

FS GENERAL COORDINATION NOTES

QF0

SCALE: As indicated

FOOD SERVICE EQUIPMENT SCHEDULE			
REFER TO SHEET QF1 FOR GENERAL CONTRACTOR & HEALTH DEPARTMENT COORDINATION NOTES			
FDP ITEM	FDP QTY	FDP DESCRIPTION	FDP REMARKS
101	1	AIR SCREEN	
102	1	COLD STORAGE ASSEMBLY	
103	1	COLD STORAGE REFRIGERATION SYSTEM	
104	2	COLD STORAGE SHELVING	OWNER FURNISHED OWNER INSTALLED
107	1	DRY STORAGE SHELVING	OWNER FURNISHED OWNER INSTALLED
107P	1	PAPER STORAGE SHELVING	OWNER FURNISHED OWNER INSTALLED
108	1	CAN RACK	OWNER FURNISHED OWNER INSTALLED
109	1	ICE MACHINE W/ BIN	OWNER FURNISHED OWNER INSTALLED
110B	1	STACKED WASHER/DRYER	
111	1	CHEMICAL SHELF	OWNER FURNISHED OWNER INSTALLED
121	1	TWO COMPARTMENT SINK W/DISPOSER	
128	2	UTILITY CART	OWNER FURNISHED OWNER INSTALLED
130	1	WORKTABLE	
138	2	PAN RACK	OWNER FURNISHED OWNER INSTALLED
139	1	INSUL MOBILE PROOFER	OWNER FURNISHED OWNER INSTALLED
145	2	WORKTABLE W/SINK & DBL.BAR UT.RACK	
151	2	FIRE PROTECTION SYSTEM	
152	1	EXHAUST HOOD	
153	1	EXHAUST HOOD	
161	2	CONVECTION OVEN	OWNER FURNISHED OWNER INSTALLED
162	1	DBL CONVECTION STEAMER - GAS	OWNER FURNISHED OWNER INSTALLED
164	1	40 GA. TILT BRAISING PAN-MANUAL TILT	OWNER FURNISHED OWNER INSTALLED
164A	1	TRENCH LINER	
167	1	MOBILE WORKTABLE	
169	1	S/S CORNER GUARDS	AT ALL EXPOSED CORNERS
187	1	PASS-THRU HEATED CABINET- 2DR	OWNER FURNISHED OWNER INSTALLED
188	2	PASS-THRU REFRIGERATOR - 1DR	OWNER FURNISHED OWNER INSTALLED
211	1	DROP FRONT MILK COOLER - 12 CASE	OWNER FURNISHED OWNER INSTALLED
214	2	CASH REGISTER	
255	1	MOBILE DRYING RACK	OWNER FURNISHED OWNER INSTALLED
256	1	POWERWASH SINK	
262	3	HAND SINK	
264	1	REVERSE OSMOSIS SYSTEM & RACK	
300	1	HOT/COLD WELLS	
301	2	ELEVATED FROST TOP	
302	2	HEATED TOP	
303	2	FROST TOP	
304	2	CASHIER COUNTER	
614	1	FILL FAUCET	
615	1	MENU MONITOR	BY OWNER
695	1	INDUCTION RANGE	OWNER FURNISHED OWNER INSTALLED
708	2	SCRAP COLLECTOR	
801	1	GRAPHIC PACKAGE	



G.C. TO PROVIDE AND INSTALL THE FOLLOWING AT THE RECEIVING DOOR:
1. DOORSCOPE VIEWER (PEEPHOLE) WITH WIDE VIEWING ANGLE.
2. CANOPY ABOVE DOOR. COORDINATE HEIGHT OF CANOPY WITH DOOR HEIGHT AND AIR SCREEN MOUNTING HEIGHT.

DIVISION 26 TO PROVIDE, COORDINATE, AND INSTALL THE FOLLOWING:
1. AUDIBLE DOORBELL AT RECEIVING DOOR ON EXTERIOR WALL THAT CAN BE HEARD THROUGHOUT THE ENTIRE KITCHEN, OFFICE AND DRY STORAGE ROOM.
2. ADEQUATE LIGHTING AT RECEIVING DOOR.
3. EDWARDS 860 SERIES (OR EQUAL) RED LENS, SURFACE-MOUNTED XENON EMERGENCY STROBE BEACONS. ONE (1) TO BE LOCATED IN THE KITCHEN ABOVE WALK-IN FREEZER DOOR (OR COOLER DOOR WHEN FREEZER IS WITHIN COOLER IN AN 'INLINE' ASSEMBLY), AND ONE (1) TO BE LOCATED IN THE CAFETORIUM (COORDINATE LOCATION WITH OWNERS). PROVIDE CONDUIT, WIRING, AND INTERCONNECT THE ILLUMINATED PUSH BUTTON PANIC ALARM IN THE WALK-IN FREEZER TO BOTH STROBE BEACONS (***CRITICAL***).

DIVISION 27 TO PROVIDE THE FOLLOWING:
1. CONDUIT, DATA, AND INTERCONNECTION FROM THE ILLUMINATED PUSH BUTTON BUTTON PANIC ALARM INSIDE THE WALK-IN FREEZER TO THE BUILDING AUTOMATION SYSTEM. WHEN ACTIVATED, FACILITY PERSONNEL TO BE NOTIFIED - COORDINATE NOTIFICATION REQUIREMENTS WITH THE OWNER (***CRITICAL***).

NOTE:
(FOR GRAPHICAL REPRESENTATION ONLY)
SECTION 11 40 00 TO VERIFY LOCATION OF REFRIGERATION SYSTEM ON ROOF WITH APPROVED ARCHITECTURAL DRAWINGS.

1 FOOD SERVICE EQUIPMENT PLAN
1/4" = 1'-0"

FOODSERVICE DESIGN PROFESSIONALS

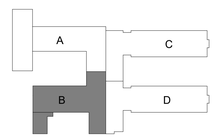
GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

10/18/2024 Bid & Permit

KEY PLAN



N

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HarrisonKornberg ARCHITECTS
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p. 713-229-0688
f. 713-229-0692
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Contact: Ovi Sipos
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Contact: Sherri Myers
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FS EQUIPMENT PLAN

QF1.0

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

Project Name: ORG. #235 BAES Date:2/9/2024

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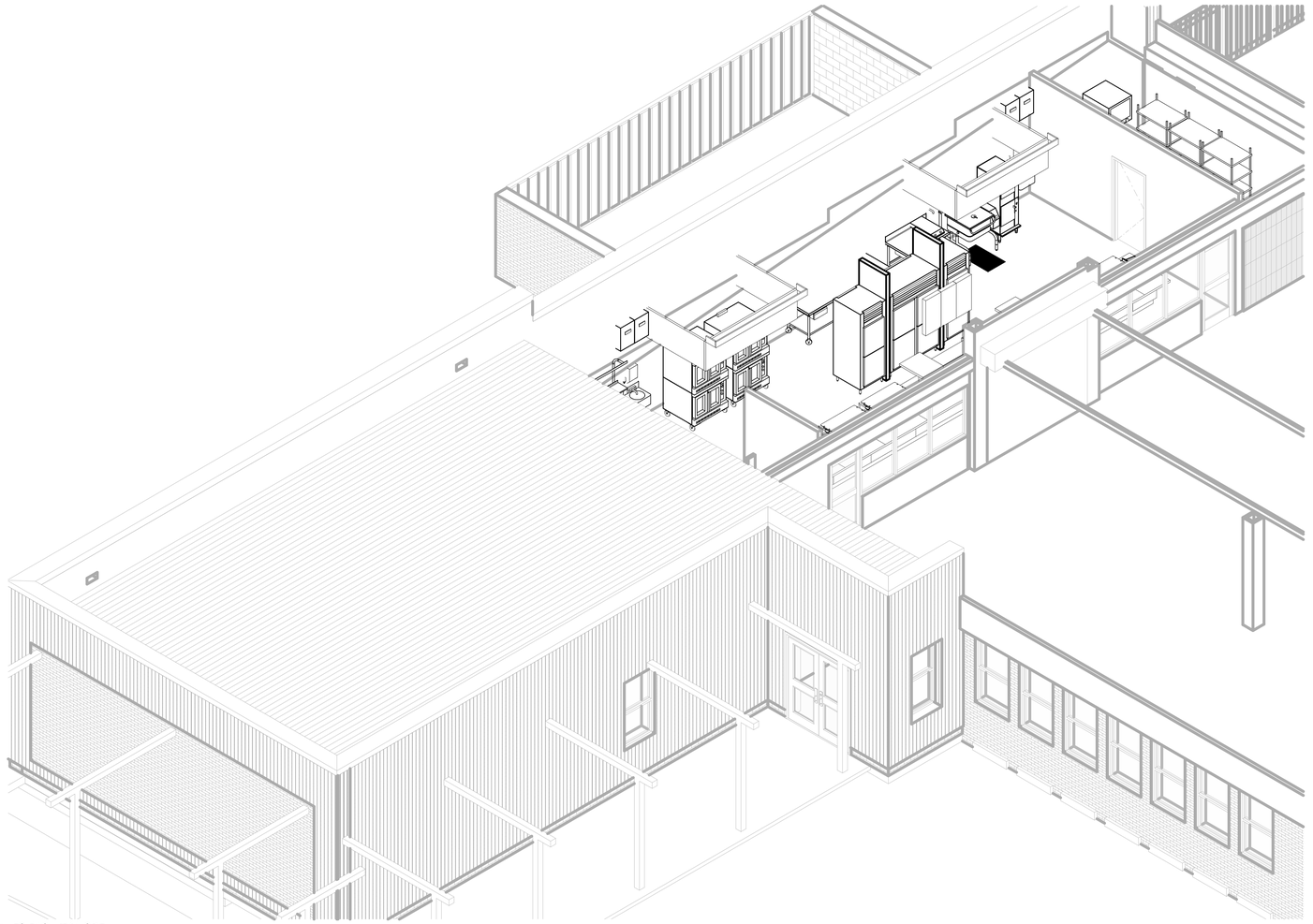


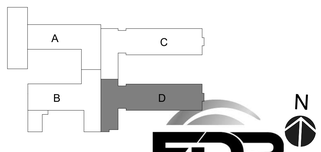
1 FS FACILITY MODEL

GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

KEY PLAN



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T: 972-887-5566

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FS FACILITY MODEL

QF1.1

SCALE:

Project Name: ORG. #235 BAES Date:2/9/2024

FOODSERVICE DESIGN PROFESSIONALS

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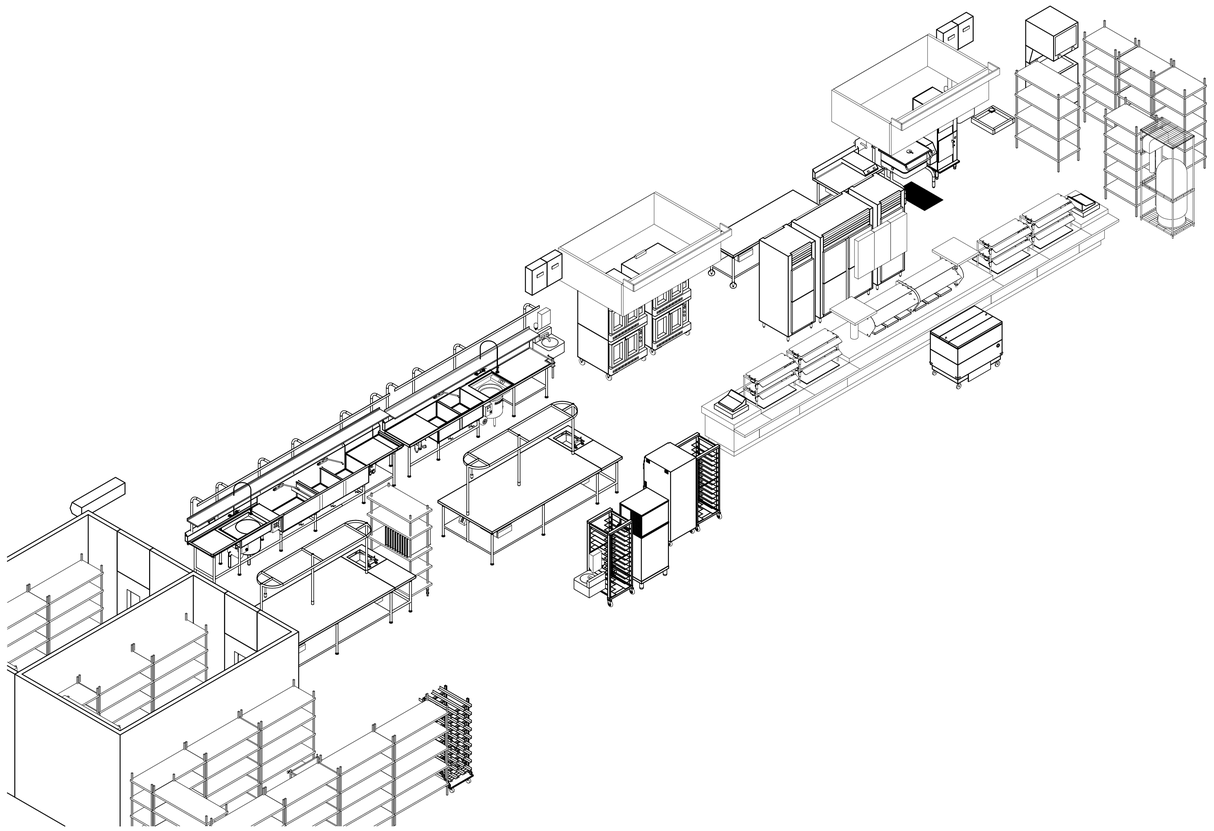


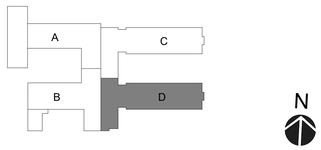
1 FS EQUIPMENT MODEL

GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

KEY PLAN



FOODSERVICE DESIGN PROFESSIONALS

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Food Service Design:
Foodservice Design Professionals
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T: 972-245-5300

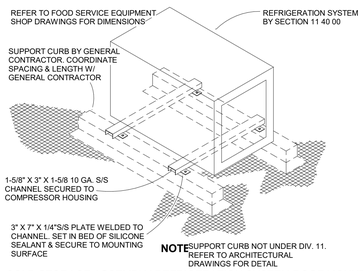
FS EQUIPMENT MODEL

QF1.2

SCALE:

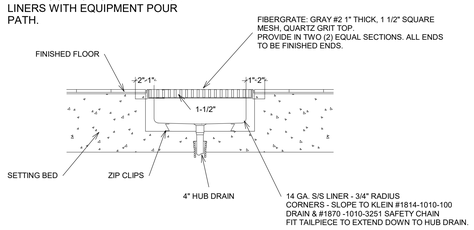
Project Name: ORG. #235 BAES Date:2/9/2024

FOOD SERVICE MECHANICAL SCHEDULE						
REFER TO SHEET QF1 FOR MECHANICAL COORDINATION NOTES						
FDP NO.	FDP QTY	FDP TYPE	FDP SIZE	FDP LOC	FDP CFM	FDP S.P.
M101	1	EXHAUST	4" DIA.	WALL	GRAVITY	VERIFY

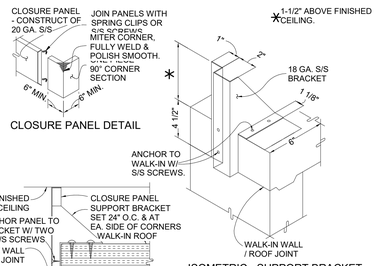


4 COLD STORAGE ASSEMBLY REFRIGERATION SYSTEM ROOF MOUNT DETAIL
NOT TO SCALE

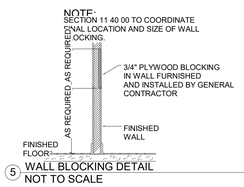
NOTE:
SECTION 11 40 00 TO COORDINATE FINAL LOCATION OF ALL TRENCH LINERS WITH EQUIPMENT POUR PATH.



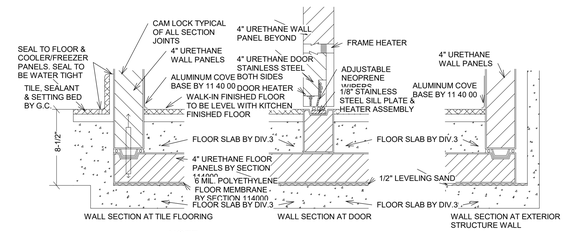
6 TRENCH LINER DETAIL
NOT TO SCALE



3 COLD STORAGE ASSEMBLY ENCLOSURE PANEL DETAIL
NOT TO SCALE

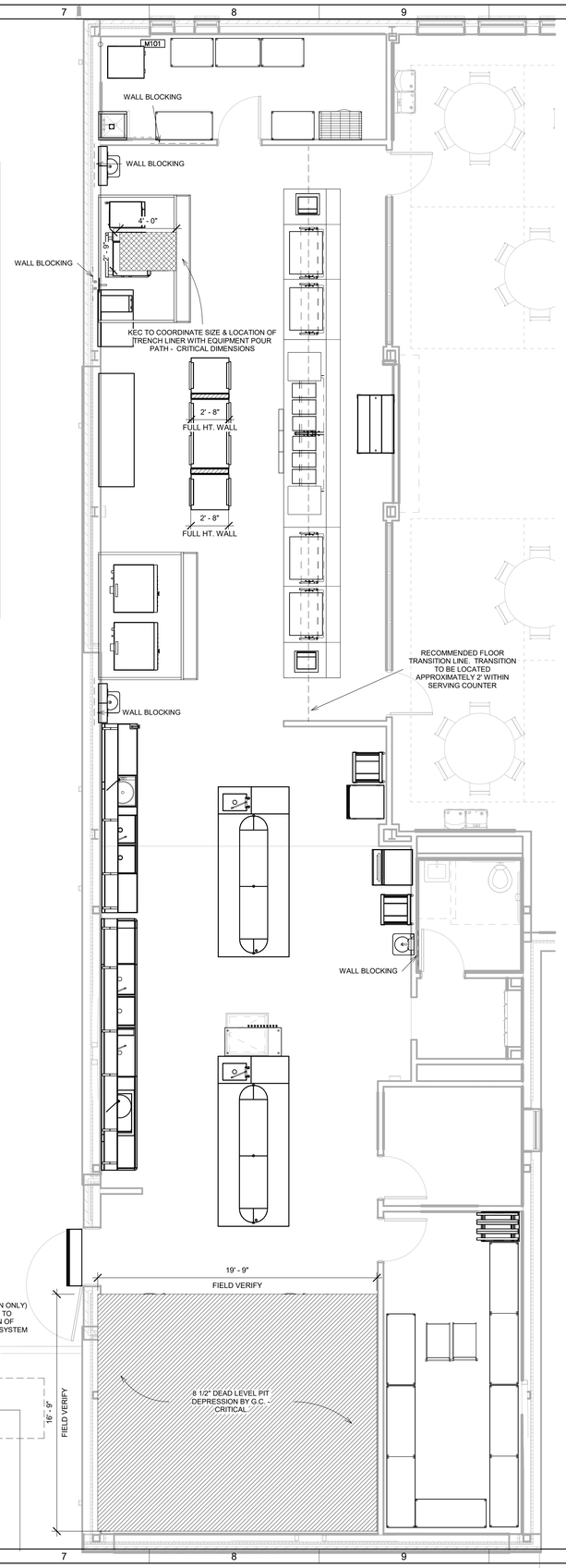


5 WALL BLOCKING DETAIL
NOT TO SCALE



NOTE:
FLOOR SLAB TO BE DEAD LEVEL
REFER TO SPECIFICATIONS FOR EXTERIOR/INTERIOR FINISH OF WALL PANELS.

2 COLD STORAGE ASSEMBLY 8 1/2" DEPRESSION DETAIL
NOT TO SCALE



1 FOOD SERVICE SPECIAL CONDITIONS PLAN
1/4" = 1'-0"

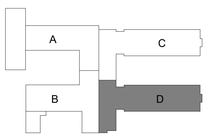
FDP
FOODSERVICE DESIGN PROFESSIONALS

GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

KEY PLAN



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DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX. 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

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ISSUES & REVISIONS

No.	Date	Revision
	02/22/2026	Bid & Permit Set

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648

10/18/2024 Bid & Permit

Roofing:
Price Consulting. Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

FS SPECIAL CONDITIONS & MECHANICAL PLAN

QF1.3

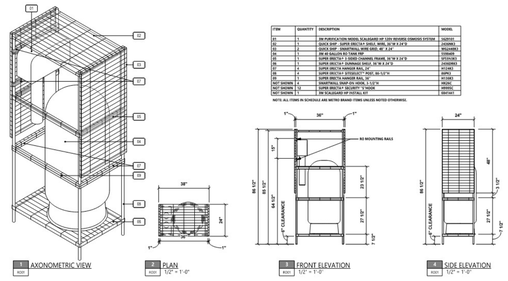
SCALE: As indicated

Project Name: ORG. #235 BAES Date:2/9/2024

FOOD SERVICE PLUMBING SCHEDULE

REFER TO SHEET QF1 FOR PLUMBING COORDINATION NOTES

FDP PNO	FDP PSIZE	FDP PCONN	FDP PSERVICE TO	FDP PLOC	FDP PAFF	FDP PREMARKS
						<varies>
P5	3/4"	H & C WATER	JANITOR SINK	WALL	48"	JANITOR SINK BY PLUMBER
P6	4"	FLOOR DRAIN	JANITOR SINK	FLOOR	VERIFY	JANITOR SINK BY PLUMBER
P7	3/4"	H & C WATER	HOSE BIBB	WALL	18"	BTC: RE: NOTE #3
P7A	3/4"	H & C WATER	FREEZE PROOF HOSE BIBB	WALL	48"	BTC; PROVIDED BY DIV. 22
P10	VERIFY	FLOOR DRAIN	GENERAL AREA DRAIN	FLOOR	VERIFY	---
P11	1/2"	H & C WATER	FAUCET	WALL	18"	FURNISHED BY SECTION 11 40 00; INSTALLED BY DIV. 22
P12	12"SQ.	FLOOR SINK	EQUIPMENT	FLOOR	0"	3/4 GRATE - RE: NOTE #4
P14	1/2"	HOT WATER	FAUCET	FLOOR	6"	BTC; RE: NOTE #3
P15	4"	FLOOR DRAIN	FUNNEL FLOOR DRAIN	FLOOR	0"	---
P109	3/4"	COLD WATER	<varies>	WALL	60"	BTC
P109A	12" SQ.	FLOOR SINK	ICE MACHINE	FLOOR	0"	<varies>
P110	3/4"	H & C WATER	CLOTHES WASHER	WALL	48"	BTC; VALVE BOX
P110B	2"	INDIRECT DRAIN	CLOTHES WASHER	WALL	48"	VALVE BOX
P121	3/4"	H & C WATER	FAUCET	WALL	13"	BTC: RE: NOTE #3
P121A	12" SQ.	FLOOR SINK	SINK	FLOOR	0"	3/4 GRATE - RE: NOTE #4
P145	3/4"	H & C WATER	FAUCET	FLOOR	10"	BTC: RE: NOTE #3
P145A	12" SQ.	FLOOR SINK	SINK	FLOOR	0"	3/4 GRATE - RE: NOTE #4
P161	(2)3/4"	NATURAL GAS	CONVECTION OVEN	WALL	18"/36"	BTC: RE: NOTE #3 & #9 - 60 MBTU/HR EACH
P162	12"SQ.	FLOOR SINK	CONVECTION STEAMER	FLOOR	0"	3/4 GRATE - RE: NOTE #4
P162A	(2) 3/4"	COLD WATER	CONVECTION STEAMER	WALL	18"/48"	BTC: RE: NOTE #3 #16 & #17 - INTERCONNECT THRU WATER FILTER
P162B	(2) 3/4"	COLD WATER	CONVECTION STEAMER	WALL	15"/45"	BTC: RE: NOTE #3
P162C	(2) 3/4"	NATURAL GAS	CONVECTION STEAMER	WALL	24" / 60"	BTC: 58 MBTU/HR EA.
P163	4"	HUB DRAIN	TRENCH LINER	FLOOR	-9"	BTC: RE: NOTE #3 - CRITICAL LOCATION
P163A	3/4"	NATURAL GAS	TILT BRAISING PAN	WALL	18"	BTC: RE: NOTE #3 & #9 - 104 MBTU/HR
P256	3/4"	H & C WATER	FAUCET	WALL	13"	BTC: RE: NOTE #3
P256A	12" SQ.	FLOOR SINK	SINK	FLOOR	0"	THREE QUARTER GRATE
P264	3/4"	INCOMING COLD WATER	REVERSE OSMOSIS SYSTEM	WALL	90"	BTC
P264A	3/4"	OUTGOING COLD WATER	RO TANK/REVERSE OSMOSIS SYSTEM	WALL	48"	BTC; INTERCONNECT TO STEAMERS, ICE MACHINES
P614	1/2"	H & C WATER	FILL FAUCET	WALL	42"	BTC; RE: NOTE #3
P708	3/4"	H & C WATER	SCRAP COLLECTOR	WALL	18"	BTC: RE: NOTE #3
P708A	2"	DIRECT DRAIN	SCRAP COLLECTOR	WALL	4"	BTC



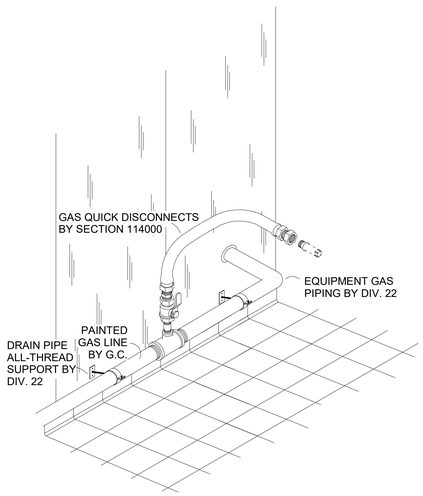
ITEM	QUANTITY	DESCRIPTION	MODEL
#1	1	RK PURIFICATION MODEL SCALEGARD HP 1200 REVERSE OSMOSIS SYSTEM	1020123
#2	1	QUICK DISC - SUPER ERGO SILV SWIVEL ADAPTER, 3/4"	1020983
#3	1	QUICK DISC - SWIVEL/TRIBALL WIRE GRIDS, 48" X 24"	WG2448SS
#4	1	SUPER ERGO TWIST, 3/4"	1020982
#5	1	SUPER ERGO TILT 1 SERIES CHANNEL FAUCET, 10" W X 24"D	1020982
#6	1	SUPER ERGO TILT 1 SERIES CHANNEL SHOCK, 10" W X 24"D	1020982
#7	1	SUPER ERGO TWIST, 3/4"	1020982
#8	1	SUPER ERGO TILT 1 STRAIGHT SPOUT, 10"	1020982
#9	1	SUPER ERGO TWIST, 3/4"	1020982
NOT SHOWN	1	SUPER ERGO TILT 1 SERIES CHANNEL FAUCET, 10"	1020982
NOT SHOWN	1	SUPER ERGO TILT 1 SERIES CHANNEL SHOCK, 10"	1020982
NOT SHOWN	1	RK SCALEGARD HP INSTALL KIT	1020123

NOTE: ALL ITEMS IN SCHEDULE ARE METRO BRAND ITEMS UNLESS NOTED OTHERWISE.

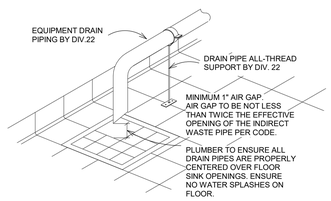
4 FILTER SYSTEM DETAIL
NOT TO SCALE

HW	HOT WATER		IW	INDIRECT WASTE (EXTEND TO F.D.)
CW	COLD WATER		FFD	FUNNEL FLOOR DRAIN
HTW	180 F HOT WATER		EVC	EXHAUST VENT CONNECTION
CWS	CHILLED WATER		SVC	SUPPLY VENT CONNECTION
G	GAS SUPPLY		FR	DIRECT-CONNECTED FLUE RISER
SS	STEAM SUPPLY		PS	PIPE SLEEVE
CR	CONDENSATE RETURN		AFF	ABOVE FINISHED FLOOR
DR	DRAIN		ST	STUB UP/OUT
FD	FLOOR DRAIN		BTC	BRANCH TO CONN. ON EQUIP
FS	FLOOR SINK		DFA	DROP FROM ABOVE
			CA	COMPRESSED AIR

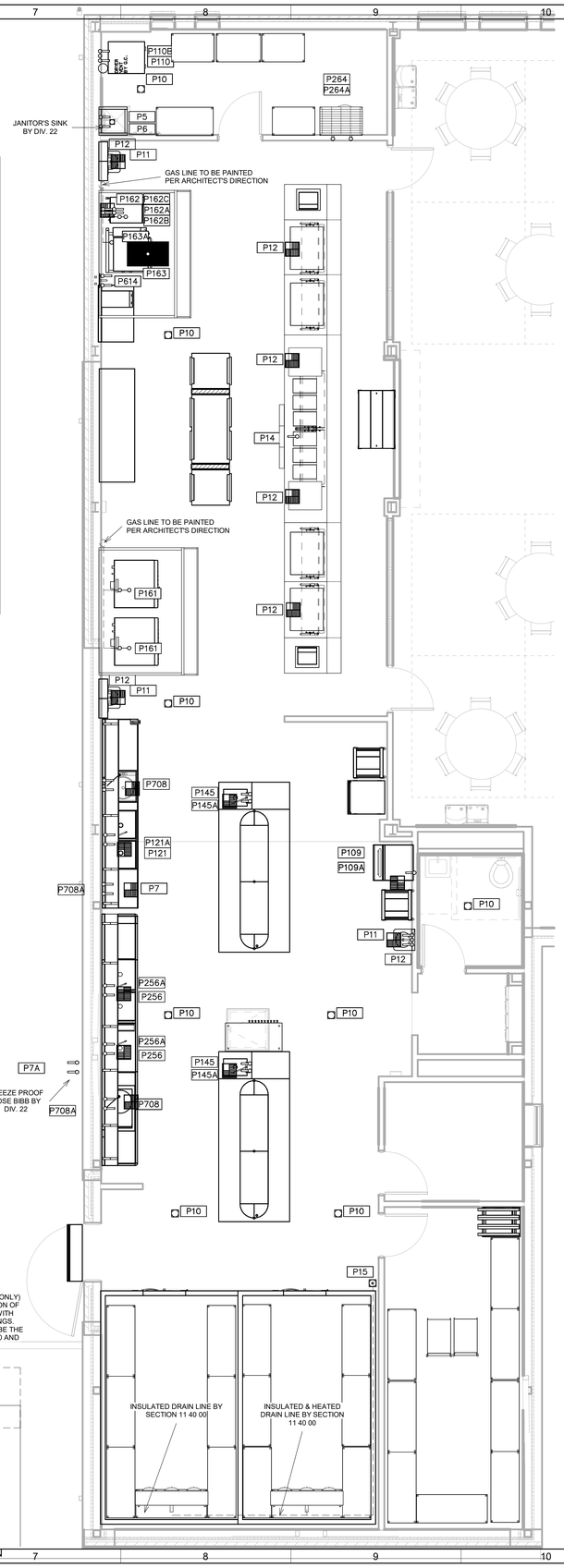
2 PLUMBING SYMBOLS
NOT TO SCALE



3 GAS DISCONNECT DETAIL
NOT TO SCALE



5 DRAIN PIPING FASTENER DETAIL
NOT TO SCALE



1 FOOD SERVICE PLUMBING PLAN
1/4" = 1'-0"

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FOODSERVICE DESIGN PROFESSIONALS

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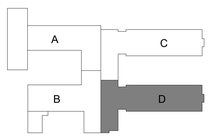
SHEET NOTES

KEY PLAN



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Contact: Hunter Harris
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Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

10/18/2024 Bid & Permit

FS PLUMBING PLAN

QF1.4

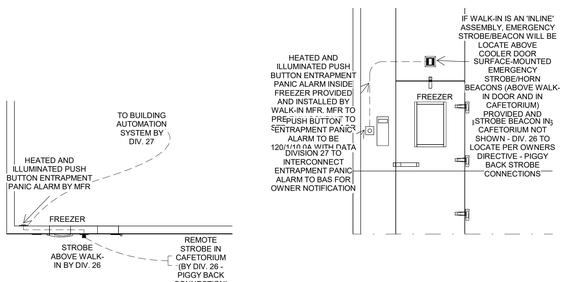
SCALE: As indicated

Project Name: ORG. #235 BAES Date:2/9/2024

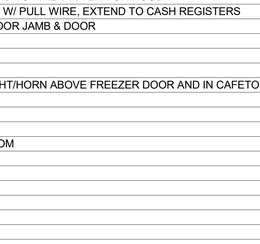
FOOD SERVICE ELECTRICAL SCHEDULE

REFER TO SHEET QF1 FOR ELECTRICAL COORDINATION NOTES

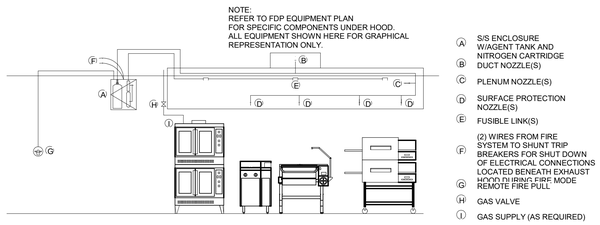
FDP ENO	FDP ECONN	FDP ELOAD	FDP EVOLT	FDP EPH	FDP ESERVICE TO	FDP ELOC	FDP EAFF	FDP EREMARKS
E10	DR	16.0A	120	1	CONVENIENCE OUTLET	WALL	24"	---
E11	DR	16.0A	120	1	CONVENIENCE OUTLET	WALL	47"	MOUNT HORIZONTAL
E15	JB	---	---	--	REMOTE FIRE PULL	WALL	48"	RE: NOTE #11 - RECESSED JB - EXTEND TO FIRE SYSTEM FOR HOOD
E16	JB	---	---	--	POS SYSTEM	VERIFY	VERIFY	BTC; RE: NOTE #14 - EMPTY CONDUIT W/ PULL WIRE, EXTEND TO CASH REGISTERS
E101	JB	5.1A	120	1	AIR SCREEN	WALL	82"	BTC; MAGNETIC REED SWITCH ON DOOR JAMB & DOOR
E102A	JB	16.0A	120	1	DOOR HEATER/LIGHTS	CLG	DFA	BTC
E102B	JB	5.0A	120	1	TEMP. ALARM	CLG	DFA	BTC
E102C	JB	5.0A	120	1	PRESSURE RELIEF PORT	CLG	DFA	BTC
E102E	JB	10.0A	120	1	PANIC ALARM BUTTON	CLG	DFA	BTC-INTERCONNECT TO STROBE LIGHT/HORN ABOVE FREEZER DOOR AND IN CAFETORIUM
E103	JB/DS	29.5A	208	3	REFRIGERATION SYSTEM	VERIFY	VERIFY	BTC; RE: NOTE #4 & #5
E103C	JB	13.7A	208	1	FREEZER COIL	CLG	DFA	BTC
E103D	JB	1.8A	120	1	COOLER COIL	CLG	DFA	BTC
E103E	JB	---	---	---	DATA CONNECTION	CLG	DFA	BTC; RUN TO NEAREST IDF / MDF ROOM
E103F	JB	16.0A	120	1	DRAIN LINE HEATER	CLG	DFA	BTC; DEDICATED CIRCUIT
E109	DR	11.9A	120	1	ICE MACHINE	WALL	60"	---
E110	SR	30.0A	120/240	1	STACKED WASHER DRYER	WALL	48"	VERIFY NEMA PLUG RECEPTACLE
E139	SR	15.0A	120	1	INSUL. MOBILE PROOFER	WALL	47"	--
E145	DCR	16.0A	120	1	TABLE RECEPTACLE	CLG	84"	---
E151	JB	1.0A	120	1	FIRE PROT. SYSTEM	CLG	DFA	BTC; RE: NOTE #4, #6, #9 & #11
E153	JB	10.0A	120	1	HOOD LIGHTS	CLG	DFA	BTC; RE: NOTE #4, #6, #9 & #10
E153M	JB	10.0A	120	1	HEAT SENSOR	CLG	DFA	BTC; RE: NOTE #4, #6, #9 & #10
E161	(2)DR	6.0A EA.	120	1	CONVECTION OVEN	WALL	24"/48"	SHUNT TRIP BREAKER
E162	(2) JB	15.0A EA.	120	1	CONVECTION STEAMER	WALL	24" / 60"	SHUNT TRIP BREAKER
E163	JB	5.0A	120	1	TILT BRAISING PAN	WALL	24"	SHUNT TRIP BREAKER
E187	JB	15.5A	120/208	1	HEATED CABINET	WALL	96"	BTC; RE: NOTE #4; MOUNT ON KITCHEN SIDE
E188	JB	7.2A	120	1	REFRIGERATOR	WALL	96"	BTC; RE: NOTE #4; MOUNT ON KITCHEN SIDE .
E211	DR/PMR	15.0A	120	1	MILK COOLER	FLOOR	4.5"	WATERPROOF RECEPTACLE
E214	DR	16.0A	120	1	CASH REGISTER	FLOOR	4"	DEDICATED CIRCUIT - WATER PROOF
E214A	JB	---	---	-	POS	FLOOR	4"	BTC; RE: NOTE #14 - EMPTY CONDUIT
E256	JB	26.7A	208	3	POWER SOAK SINK	WALL	24"	BTC; RE: NOTE #4 - CONNECT FROM E256THRU C.P. TO PUMP
E256C	WPR	5.0A	120	1	DETERGENT SYSTEM	WALL	24"	WATERPROOF RECEPTACLE
E264	WPR	15.0A	120	1	REVERSE OSMOSIS SYSTEM	WALL	80"	BTC; DEDICATED CIRCUIT
E300	SR/PMR	40.0A	120/208	3	HOT/COLD WELLS	FLOOR	6"	WATERPROOF RECEPTACLE
E301	DR/PMR	15.0A	120	1	ELEVATED FROST TOP	FLOOR	18"	WATERPROOF RECEPTACLE
E302	SR/PMR	15.0A	120	1	HEATED TOP	FLOOR	18"	WATERPROOF RECEPTACLE
E303	SR/PMR	15.0A	120	1	FROST TOP	FLOOR	18"	WATERPROOF RECEPTACLE
E615	DR	5.0A	120	1	VIDEO / DATA SYSTEM	CLG	VERIFY	PROVIDE DCO AT VIDEO LOCATION
E615A	JB	---	---	---	VIDEO / DATA SYSTEM	CLG	VERIFY	PROVIDE JB AT DATA LOCATION
E695	SR	22.0A	200V-240V	1	EQUIPMENT	WALL	24"	SHUNT TRIP BREAKER BTC; RE: NOTE #4
E708	JB	3.2A	208	3	SCRAP COLLECTOR	WALL	24"	BTC; RE: NOTE #4



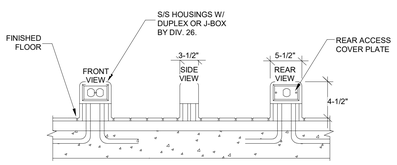
6 COLD STORAGE ASSEMBLY ENTRAPMENT PANIC ALARM DETAIL
NOT TO SCALE



5 FIRE PROTECTION SYSTEM RECESSED FIRE PULL DETAIL
NOT TO SCALE



4 FIRE PROTECTION SYSTEM TYPICAL DETAIL
NOT TO SCALE



3 PEDESTAL MOUNTED RECEPTACLE DETAIL
NOT TO SCALE

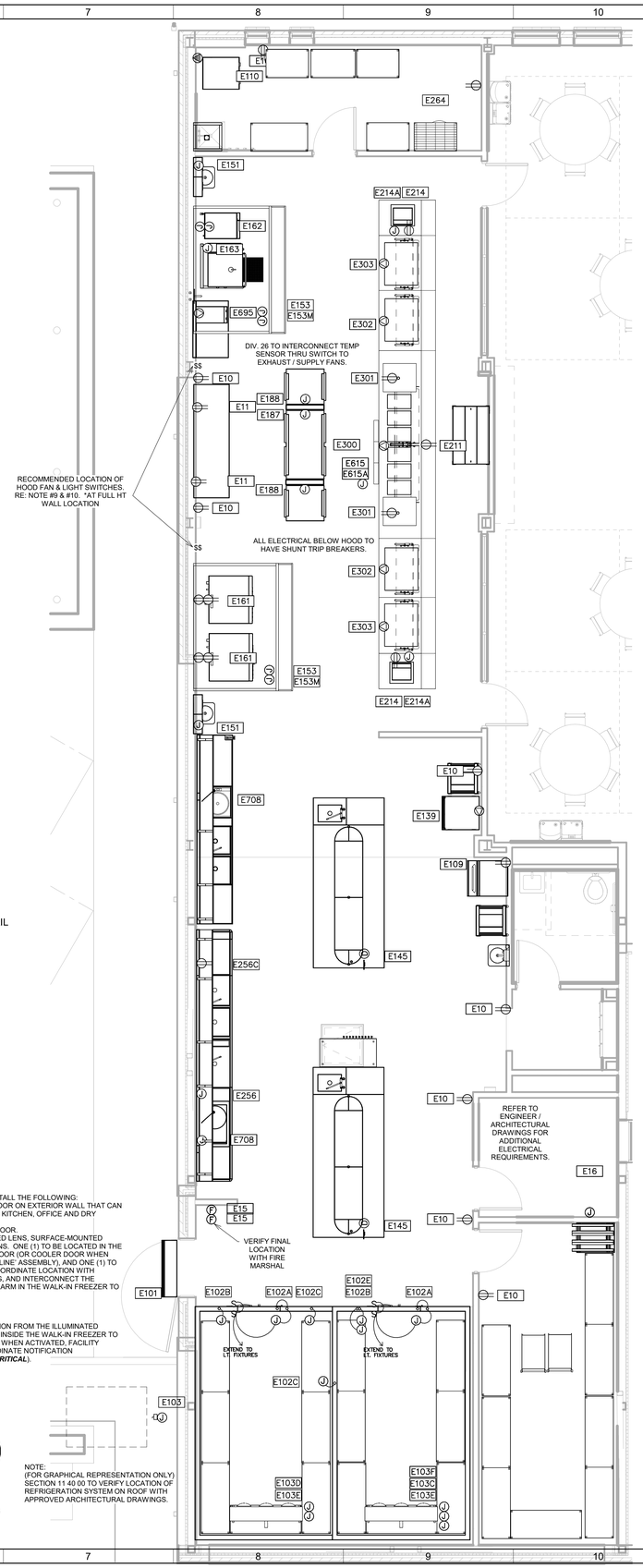
	SCR	CONDUIT STUB BTC ON RECEPT FURNISH WITH EQUIPMENT		CC	CONDUIT FOR COMPUTER CABLES
•	CS	CONDUIT STUB UP/OUT FOR DIRECT CONNECTION		BTC	BRANCH TO CONNECTION ON EQUIPMENT
	DR	20 AMP DUPLEX RECEPTACLE (MOUNT HORIZONTAL)		WPR	20 AMP WEATHERPROOF RECEPTACLE (SPRING COVER)
	SR	SINGLE PURPOSE RECEPTACLE-1PH		FPB	FIRE PROTECTION BUZZER
	SR	SINGLE PURPOSE RECPTACLE-3PH		BSC	BEVERAGE SYSTEM CONDUIT
	FR	FLUSH FLOOR RECEPTACLE		DFA	DROP FROM ABOVE
	PMR	PEDESTAL MOUNTED RECEPTACLE		AFF	ABOVE FINISH FLOOR
	DCR	DROP CORD RECEPTACLE		CS/JB	JUNCTION BOX ON PEDESTAL
	JB	JUNCTION BOX ON CEILING		SW	SWITCH
	JB	JUNCTION BOX IN WALL		D	DATA
	JB/DS	JUNCTION BOX WITH DISCONNECT BY DIV.26		JB/DS	CONDUIT STUB-UP WITH DISCONNECTION BY DIV.26

2 ELECTRICAL SYMBOLS
NOT TO SCALE

DIVISION 26 TO PROVIDE, COORDINATE, AND INSTALL THE FOLLOWING:
1. AUDIBLE DOORBELL AT RECEIVING DOOR ON EXTERIOR WALL THAT CAN BE HEARD THROUGHOUT THE ENTIRE KITCHEN, OFFICE AND DRY STORAGE ROOM.
2. ADEQUATE LIGHTING AT RECEIVING DOOR.
3. EDWARDS 860 SERIES (OR EQUAL) RED LENS, SURFACE-MOUNTED XENON EMERGENCY STROBE BEACONS. ONE (1) TO BE LOCATED IN THE KITCHEN ABOVE WALK-IN FREEZER DOOR (OR COOLER DOOR WHEN FREEZER IS WITHIN COOLER IN AN 'INLINE' ASSEMBLY), AND ONE (1) TO BE LOCATED IN THE CAFETORIUM (COORDINATE LOCATION WITH OWNERS). PROVIDE CONDUIT, WIRING, AND INTERCONNECT THE ILLUMINATED PUSH BUTTON PANIC ALARM IN THE WALK-IN FREEZER TO BOTH STROBE BEACONS (***CRITICAL***).

DIVISION 27 TO PROVIDE THE FOLLOWING:
1. CONDUIT, DATA, AND INTERCONNECTION FROM THE ILLUMINATED PUSH BUTTON BUTTON PANIC ALARM INSIDE THE WALK-IN FREEZER TO THE BUILDING AUTOMATION SYSTEM. WHEN ACTIVATED, FACILITY PERSONNEL TO BE NOTIFIED - COORDINATE NOTIFICATION REQUIREMENTS WITH THE OWNER (***CRITICAL***).

FOODSERVICE DESIGN PROFESSIONALS



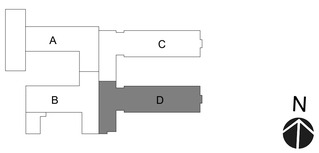
1 FOOD SERVICE ELECTRICAL PLAN
1/4" = 1'-0"

GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

KEY PLAN



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Contact: Ben Sauceda

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ISSUES & REVISIONS

No.	Date	Revision
	02/22/2026	Bid & Permit Set

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
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Contact: Corey Nelson
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T: 972-887-5566

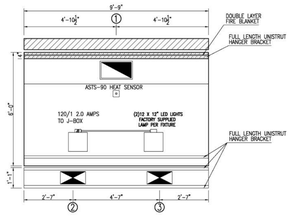
Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

FS ELECTRICAL PLAN

QF1.5

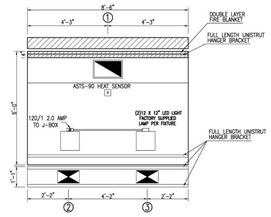
SCALE: As indicated

Project Name: ORG. #235 BAES Date:2/9/2024



HOOD WGT. – 1024 LBS

A PLAN – MODEL W-cpb ITEM 152
SCALE: 3/8"=1'-0"



HOOD WGT. – 893 LBS

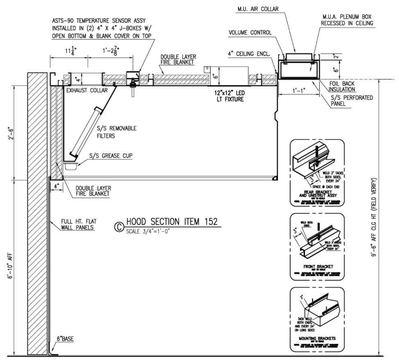
A PLAN – MODEL W-cpb ITEM 153
SCALE: 3/8"=1'-0"

EXHAUST COLLAR CHART					
NO.	SIZE	CFM/FOOT	CFM EACH	FPM	S.P.
1	10" X 19"	210	2048	1552	.50"

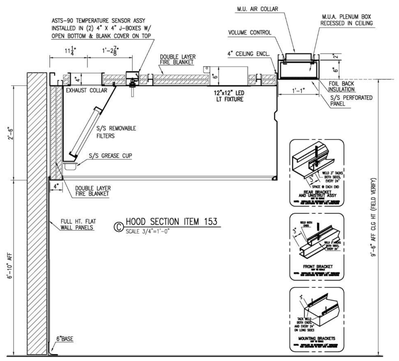
SUPPLY COLLAR CHART					
NO.	SIZE	CFM/FOOT	CFM EACH	FPM	S.P.
2	8" X 16"	100	488	549	.30"
3	8" X 16"	100	488	549	.30"

EXHAUST COLLAR CHART					
NO.	SIZE	CFM/FOOT	CFM EACH	FPM	S.P.
1	10" X 17"	210	1785	1512	.50"

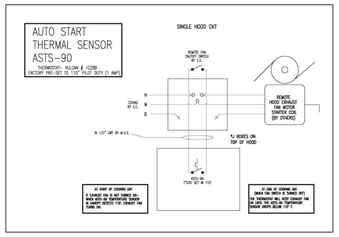
SUPPLY COLLAR CHART					
NO.	SIZE	CFM/FOOT	CFM EACH	FPM	S.P.
2	8" X 14"	100	425	546	.30"
3	8" X 14"	100	425	546	.30"



C HOOD SECTION ITEM 152
SCALE: 3/4"=1'-0"



C HOOD SECTION ITEM 153
SCALE: 3/4"=1'-0"



HOODS DESIGNED TO MEET TO THE 2015 IECC C403.2.8 AND 2018 IECC C403.7.5 UNDER 5,000 CFM TOTAL KITCHEN HOOD EXHAUST.

NOTE TO G.C. AND CEILING GRID INSTALLERS :

FASTENERS FOR CEILING GRID SURROUNDING KITCHEN HOOD MUST NOT PENETRATE HOOD CAPTURE AREA OR HOOD GREASE PLENUM. IMPROPER PENETRATIONS THROUGH HOOD IN THESE AREAS VIOLATE HOOD U.L. PROCEDURE AND LOCAL MECHANICAL CODE.

UL FILE # MH 30031

MOD U SERVE Air Systems

2320 PEYTON ROAD
HOUSTON, TEXAS 77032
281 442 8001

**DALLAS ISD-
BIRDIE ALEXANDER
ES RENOVATION
FDP**

THIS DRAWING IS THE PROPERTY OF MOD-U-SERVE AND CAN BE REPRODUCED ONLY BY PERMISSSION, IN WHICH CASE, ALL DRAWINGS MUST BEAR THE NAME MOD-U-SERVE.

COMMERCIAL KITCHENS INC.

2320 PEYTON ROAD
HOUSTON, TEXAS 77032
281 442 8001

NO.	DATE	REVISION

DRAWING # 024-2014-1.152
DRAWN BY JO
CHECKED BY ADC
DATE Jan. 10, 2024
SHEET 1 OF 1 SHEET

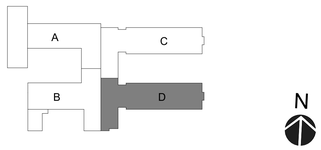
FOODSERVICE DESIGN PROFESSIONALS

GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

KEY PLAN



N

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX. 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

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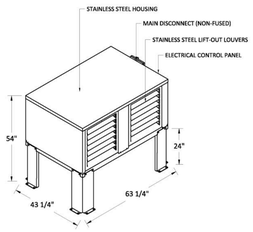
FS EXHAUST HOODS

QF1.6

SCALE:

Project Name: ORG. #235 BAES Date:2/9/2024

MODEL NO. ZS1-02Z-CT3-AST OUTDOOR AIR COOLED REFRIGERATION SYSTEM
ITEM NO. 103



NOTE:
- CRANKCASE HEATERS
- FAN CYCLING SWITCH
- 24" STAND W/SKIRTING (SHIPPED LOOSE)
- (2) DOOR SWITCHES (SHIPPED LOOSE)

RACK WEIGHT: 550 LBS.

ENGINEERING SUMMARY

POWER SUPPLY: 208-230/60/3
CONNECTED LOAD: 29.5 AMPS

MOPD: 50 AMP
MINIMUM CIRCUIT AMPACITY: 33.8

SYSTEM	ITEM #	DESCRIPTION	FIXTURES: TEMP °F FIXT.	FIXTURES: TEMP °F SUCT.	FIXTURES: REQ'D FIXTURE BTU/H	FIXTURES: REFRIG. R-	CONDENSING UNIT: COMPRESSOR: MODEL NO.	H.P.	RATING @ 60 HZ: RLA	V	PH	BTU CAP @ AMB °F: 110	TYPE	REC. CAP. (lbs)	CONDENSER	EVAPORATOR COILS: ITEM #	MODEL NO.	QTY	FAN MOTORS @ 60 HZ: RLA	V	PH	HEATERS @ 60 HZ: RLA	V	PH	DEFR. TYPE	DEFROST CONTROLLER TYPE	CONTROLLER QTY.	ACCESSORIES: TSTAT	SOL. VALVE	EXP. V.V.	REFRIGERANT LINE SIZES (IN): SUCT.	SUCT. LINE RISER	LIQUID	LINE RUN (FT)	TYPE	TOTAL SYSTEM LOAD
A	102	WALK-IN COOLER	35	25	12296	448A	ZS13KAE	1.8	10.6	208	3	12300	Z	10.3	L2R	103	BEL0105	1	1.8	115	1				O.C.	ECOSMART	1	F	F	EF	7/8	7/8	3/8	100	M	10.6
B	102	WALK-IN FREEZER	-10	-20	13808	448A	ZF15K4E	5.0	18.9	208	3	13200	Z	10.3	L3R	103	BEL0130	1	1.5	208	1	13.7	208	1	ELEC	ECOSMART	1	F	F	EF	1-1/8	1-1/8	3/8	100	M	18.9

ALL EVAPORATOR COILS WILL REQUIRE A HOUSE POWER SUPPLY

c UL us LISTED

NOTE:
IT IS THE INSTALLING CONTRACTORS RESPONSIBILITY TO FOLLOW ALL APPLICABLE CODES AND CURRENT REFRIGERATION INDUSTRY STANDARDS AND PRACTICES WHEN DETERMINING LINE SIZES, AND INSTALLING AND STARTING UP RDT EQUIPMENT.

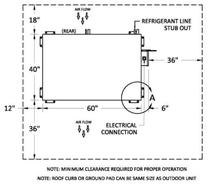
COMPRESSOR TYPE
Z SCROLL
H HERMETIC
S SEMI-HERMETIC
D DISCUS

DEFROST TYPE
O.C. OFF CYCLE
ELEC ELECTRIC

LINE TYPE
M MAIN - UP TO 100'
B BRANCH - UP TO 50'
T TRUNK - UP TO 200'

EVAPORATOR ACCESSORIES
EF EEV FACTORY EQUIPPED ON EVAP
TF TXV FACTORY EQUIPPED ON EVAP
F FACTORY EQUIPPED ON EVAP
O PROVIDED BY OTHERS
L LOOSE (FIELD INSTALLATION)

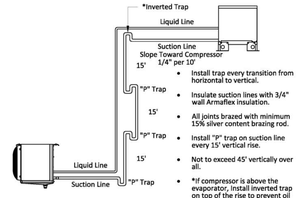
PLANVIEW/ CLEARANCE REQUIREMENTS



NOTE: MIN/MUM CLEARANCE REQUIRED FOR PROPER OPERATION

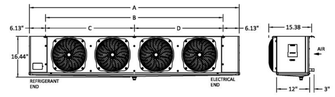
NOTE: ROOF CURB OR GROUND PAD CAN BE SAME SIZE AS OUTDOOR UNIT

SUCTION LINE VERTICAL RISE DETAIL



- Install trap every transition from horizontal to vertical.
- Insulate suction lines with 3/4" wall Armaflex insulation.
- All joints brazed with minimum 15% silver content brazing rod.
- Install "P" trap on suction line every 15' vertical rise.
- Not to exceed 45' vertically over all.
- *If compressor is above the evaporator, Install inverted trap on top of the rise to prevent oil from seeping down when fixture(s) is turned off.

EVAPORATOR DETAILS - MODEL BEL



AIR DEFROST Size	DIMENSIONS A	B	C	D	CONNECTIONS (inches) Coil Inlet	Suction	Drain	Approx. Net Wt. Lbs.	ELECTRICAL DATA Qty. Motors	EC Motor Fan Amps 115V	208V
	Inches	Inches	Inches	Inches							
105	45-1/2	33-1/4	-	-	1/2 OD	5/8 OD	3/4 MPT	52	2	1.8	1.0

ELECTRIC DEFROST	DIMENSIONS A	B	C	D	CONNECTIONS (inches) Coil Inlet	Suction	Drain	Approx. Net Wt. Lbs.	ELECTRICAL DATA Qty. Motors	EC Motor Fan Amps	Heater Amps as wired for 208-230/60/1	208-230/60/3	460/60/3
	Inches	Inches	Inches	Inches									
130	61-1/2	49-3/4	-	-	1/2 OD	7/8 OD	3/4 MPT	71	3	1.5	13.7	8.5	6.8

ZS SERIES ENGINEERING SPECIFICATIONS

Multi compressor, outdoor, air cooled. The refrigeration package shall be a pre-engineered and factory-assembled unit, trade name "ZS", as manufactured by Refrigeration Design Technologies, 1808 FM Road 66, P.O. Box 622, Waxahachie, Texas 75168. Phone: (972) 937-3215; Fax: (972) 937-0970.

1. Air Cooled Refrigeration System
The RDT UL Listed "Air-Cooled" Refrigeration system shall be housed in a weather-protected compact powder coated steel frame. The entire housing shall be brushed stainless steel. The unit shall include an air-cooled aluminum fin copper tube condenser designed to operate at 15 degrees TD. The exterior housing shall feature stainless steel one piece louvers. Lifting points shall be provided. The fins on the condenser coil shall be protected from damage within the enclosure. The condenser intake surface shall be protected with stainless steel expanded metal guard to protect against vandalism and hail damage.

Each unit shall be equipped with a ball-bearing fan motor, suction filter, sight glass, liquid filter/drier, liquid line inlet and outlet valve, defrost cycle and high pressure super-hose connections. Each unit shall be equipped with fan cycling controls and/or head pressure regulator where required for low ambient conditions.

Condensing unit shall contain scroll, hermetic, semi-hermetic, and/or discus type compressor(s) assembled to operate with the refrigerant specified for both medium and low temperature applications.

2. Evaporator Coils
A. Evaporator coils shall be direct expansion type fabricated of copper tubes with aluminum fins.
B. All evaporator coils shall be provided with solenoid valve, thermostatic or electronic expansion valve and thermostat.

3. Pre-Piping
All refrigerant lines shall be extended to outside of the housing in a neat and orderly manner. All tubing shall be securely supported and anchored with non-corrosive coated clamps.

All joints must be brazed, not soldered.

All piping and controls shall be factory pressure-tested with dry nitrogen.

4. Control Panel
The package shall have a factory-mounted and pre-wired control panel, with main disconnect (non fused) where required, circuit breakers, contactors wired for single point power connection.

General Information
Contractors shall verify all dimensions onsite and coordinate with other trades.

General contractor shall prepare the platform, curbed openings and weatherproofing the unit after installation.

Refrigeration Contractor
All copper tubing to be refrigerant grade. A.C.R. or type "L".

Brazing should be used for all refrigerant piping. Silver solder or soft solder is not acceptable.

All piping to be pressure tested with nitrogen at 300 psi. After the condensing unit and coil have been connected the balance of the system shall be leak tested with the valves open at 200 psi.

The complete system shall be evacuated with a vacuum pump. Each unit should be charged tested and adjusted to assure operation.

Contractor should provide and install the drain-line heater in freezer. Heater shall be connected by electrical contractor. Seal all penetrations through the walk-in units with foam.

Electrical Contractor
Electrical contractor to provide power for refrigeration package and connect control and defrost system as called for in the wiring diagram.

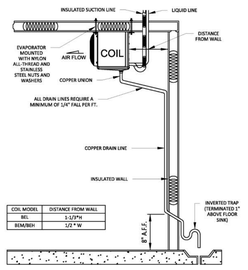
Electrical contractor to connect drain-line heater in the freezer.

All electrical wiring and installation shall be in accordance with the wiring diagram and local codes. Seal all penetrations through the walk-in units with foam.

Plumbing Contractor
Plumbing contractor to provide copper-drain lines for walk-in refrigerator and freezer, pitched 1/4" per foot of run. Trap drain-line outside of refrigerated space to avoid entrance of warm, moist air.

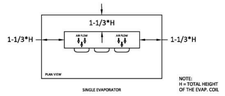
All plumbing installation shall be in accordance with local codes.

EVAPORATOR MOUNTING DETAIL (TYPICAL)



COIL MODEL	DISTANCE FROM WALL
BEL	1-1/4"H
BEM/BEH	1/2 " W

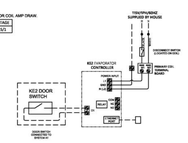
EVAPORATOR PLACEMENT & CLEARANCE REQUIREMENTS LOW PROFILE EVAPORATOR COILS (I.E. - BEL)



WIRING DIAGRAM - ECO-SMART - AKOA1AE DEMAND DEFROST W/KE2 DOOR SWITCH FOR WALK-IN COOLER WITH ONE COIL 115/60/1

*REFERENCE ENGINEERING SUMMARY FOR COIL AMP DRAW:

SYS	DESCRIPTION	VOLTAGE
A	WALK-IN COOLER	115/1



Note: Controller provided pre-mounted to housing of evaporator assembly.

Wiring Schedule for Electrical Contractor Requirements:

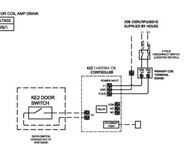
PRIMARY COIL
(3) 115V 12AWG MIN. TO PROVIDE HOUSE POWER TO THE COIL (HOT, NEUTRAL, GROUND)

FACTORY WIRING
FIELD WIRING

WIRING DIAGRAM - ECO-SMART - AKOB1EE DEMAND DEFROST W/KE2 DOOR SWITCH FOR WALK-IN FREEZER WITH ONE COIL 208-230/60/1

*REFERENCE ENGINEERING SUMMARY FOR COIL AMP DRAW:

SYS	DESCRIPTION	VOLTAGE
B	WALK-IN FREEZER	208/1



Note: Controller provided pre-mounted to housing of evaporator assembly.

Wiring Schedule for Electrical Contractor Requirements:

PRIMARY COIL
(3) 208V (AWG SIZE ACCORDING TO HEATER LOAD AND LOCAL CODE) TO PROVIDE HOUSE POWER TO THE COIL (L1, L2 AND GROUND)

FACTORY WIRING
FIELD WIRING

APPROVAL STATUS

THIS DRAWING REPRESENTS OUR UNDERSTANDING OF THE SPECIFICATIONS. PLEASE REVIEW IT CAREFULLY FOR ACCURACY. CLEARLY AND IN DETAIL NOTE CHANGES REQUIRED.

MARK APPROPRIATE BOX, SIGN, AND DATE BELOW.

- ☐ APPROVED FOR FABRICATION NO CHANGES
- ☐ APPROVED FOR FABRICATION WITH CHANGES NOTED
- ☐ REVISE AND RE-SUBMIT DRAWING

BY: _____ DATE: _____

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No.	Revision/Issue	Date
0	ORIGINAL ISSUE	12-21-23

RDT REFRIGERATION DESIGN TECHNOLOGIES
1808 FM Road 66 / P.O. Box 622
Waxahachie, Texas
(800) 736-9518
www.rdtonline.com

Consultant:
Foodservice Design Professionals
Southlake, TX

Dealer
-
-

Birdie Alexander Elementary School
Dallas, TX

Project No: 30010
Designed By: J. Beam
Drawn By: J. Beam
Sheet 1.1 of sheets

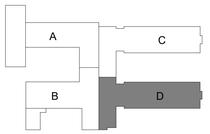
FDP FOODSERVICE DESIGN PROFESSIONALS

GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

KEY PLAN



Bid and Permit

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DALLAS ISD
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HarrisonKornberg ARCHITECTS
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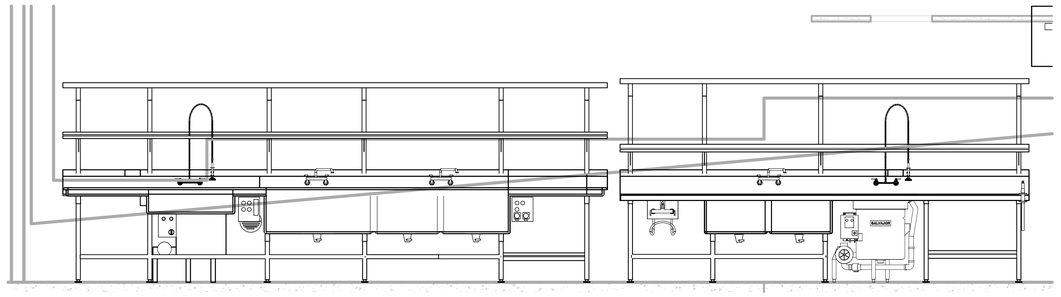
FS CONDENSING UNITS

QF1.7

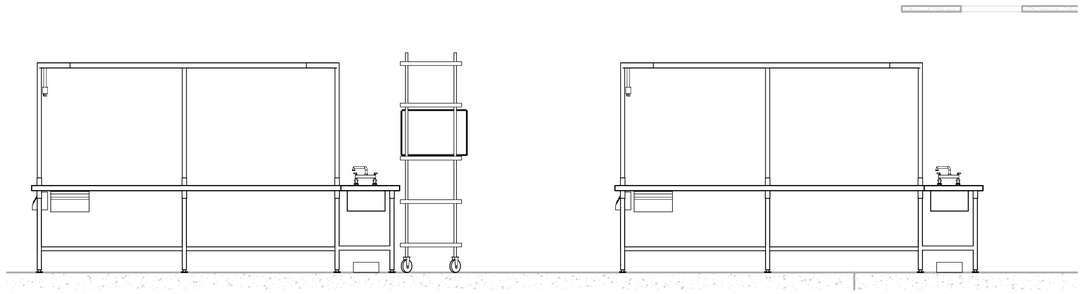
SCALE:

Project Name: ORG. #235 BAES Date:2/9/2024

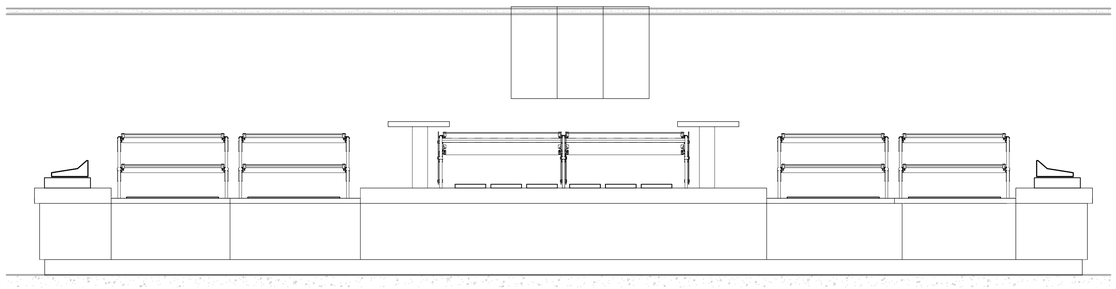
5 ELEVATION @ ICE MAKER
1/2" = 1'-0"



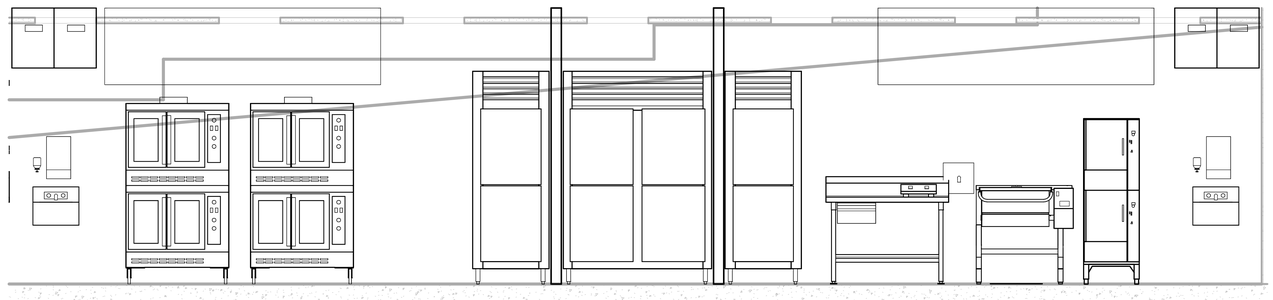
4 ELEVATION @ WAREWASH / PREP
1/2" = 1'-0"



3 ELEVATION @ SET UP
1/2" = 1'-0"



2 ELEVATION @ SERVING COUNTER
1/2" = 1'-0"



1 ELEVATION @ PRODUCTION / HOLDING
1/2" = 1'-0"

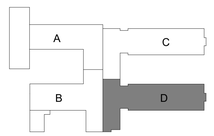
FOODSERVICE DESIGN PROFESSIONALS

GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

KEY PLAN



N

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX. 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

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FS ELEVATIONS

QF1.8

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

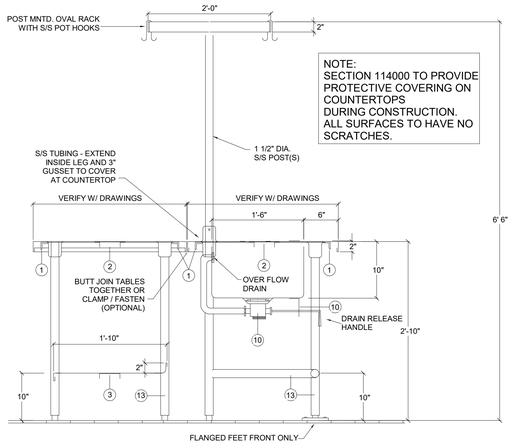
Project Name: ORG. #235 BAES Date:2/9/2024

SECTION DETAIL NOTES:

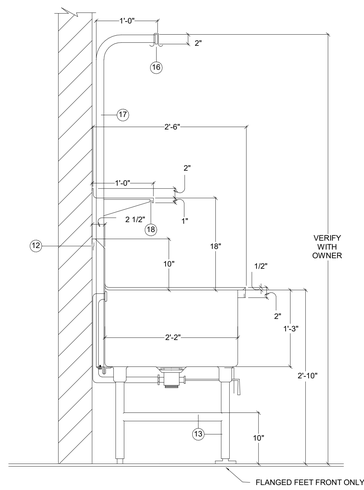
1. 1 1/2" X 1 1/2" X 1/8" GALVANIZED ANGLE IRON.
2. 1" X 4" 14 GAUGE STAINLESS STEEL HAT CHANNEL.
3. 16 GAUGE STAINLESS STEEL C-CHANNEL.
4. 16 GAUGE STAINLESS STEEL UNDER SHELF, COVE UP REAR 2", TURN DOWN FRONT 1 1/2".
5. 1/2" CEMENT BACKERBOARD WITH TILE FRONT BY TRADE CONTRACTOR OR COUNTER MANUFACTURER. VERIFY FINISH WITH ARCHITECTURAL DRAWINGS.
6. COLD PAN - 2" RIGID INSULATION WITH 1" C.P. DRAIN - 16 GAUGE STAINLESS STEEL SECTION FALSE BOTTOM. PERFORATE FALSE BOTTOM WITH 1/4" DIA. HOLES AT 3" O.C.
7. 18 GAUGE STAINLESS STEEL INSULATED DOUBLE PAN DOOR WITH RECESSED PULL.
8. MANIFOLD DRAINS AT HOT FOOD UNITS WITH 1" TYPE 'K' COPPER AND EXTEND TO VALVE IN PLUMBING COMPARTMENT.
9. FINISHED TRUE AND LEVEL MASONRY BASE BY DIVISION 09. CLOSE COUNTER BODY AT BASE AND SEAL BY SECTION 11 40 00.
10. FISHER #22314 DRAIN WITH TAILPIECE AND OVERFLOW.
11. 14 GAUGE STAINLESS STEEL BRACKET WITH DRAIN HANDLE BUSHING.
12. 16 GAUGE STAINLESS STEEL 'Z' CLIP TO WALL AND SEAL.
13. 1 5/8" DIA. 16 GAUGE STAINLESS STEEL LEGS AND CROSS RAILS.
14. 1/2" S/S TUBING DRAIN LINE - STRAP TO SHELF AND WALL - EXTEND DOWN TO TOP OF SPLASH.
15. 1 5/8" DIA. 16 GAUGE STAINLESS STEEL TUBING - SUPPORT FRONT OF SHELF WITH 1/2" ALL-THREAD INSIDE TUBING EXTENDING TO STRUCTURE ABOVE.
16. 1/4" S/S BAR STOCK WELDED TO TOP OF EACH POST - POT HOOKS TO BE COMPONENT HARDWARE #J77-4401 SPACED 8" O.C.
17. 1 5/8" 16 GAUGE STAINLESS STEEL TUBING - BOLT TO ANGLE IRON AND EXTEND UP THRU SPLASH TO 7'-0" A.F.F.
18. OVER SHELF - 16 GAUGE STAINLESS STEEL, COVE UP REAR 2", TURN FRONT AND ENDS DOWN 1", ENDS TO BE CAPPED WITH EASED CORNERS WHERE ADJACENT TO WALL / FIXTURE.
19. 18 GAUGE STAINLESS STEEL LOUVERED PANEL.
20. 18 GAUGE STAINLESS STEEL LOUVERED DOUBLE PAN DOOR WITH RECESSED PULL.
21. NUMBER NOT USED.
22. 18 GAUGE STAINLESS STEEL INSULATED DOUBLE PAN SLIDING DOOR WITH COMPONENT HARDWARE COMPONENTS

    A. #B57 - (VERIFY LENGTH) EXTRUDED ALUMINUM TRACK.
    B. #B58-5511 & #B58-5521 FRONT & REAR DOOR SHEAVES.
    C. #B62-1093 DOOR GUIDE.
    D. #B60-1086 DOOR STOPS WHERE NEEDED.
    E. #P62-1010 RECESS PULLS.

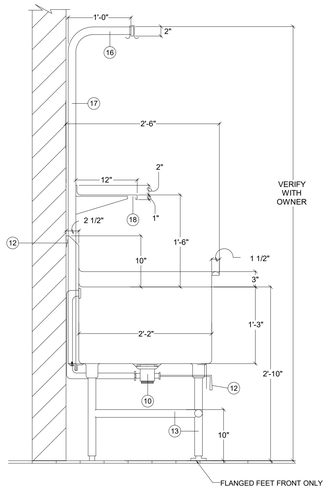
1 SECTION DETAIL NOTES1
NOT TO SCALE



5 WORKTABLE W/ SINK & DBL BAR UT RACK SECTION
NOT TO SCALE



4 SINK - PREP TABLE SECTION1
NOT TO SCALE



3 SINK - UTENSIL WASH SECTION1
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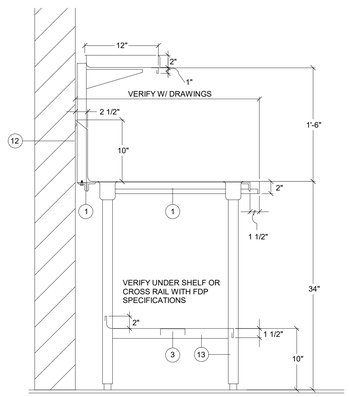


2 WORKTABLE W/ OVER SHELF SECTION1
NOT TO SCALE

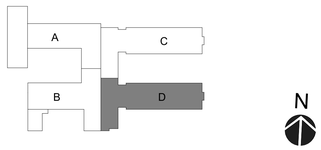
FOODSERVICE DESIGN PROFESSIONALS

GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

KEY PLAN



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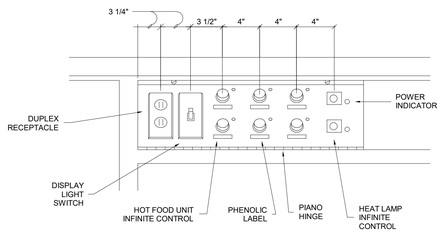
FS SECTIONS & DETAILS

QF1.9

SCALE: NOT TO SCALE

Project Name: ORG. #235 BAES Date:2/9/2024



1 COUNTER - SERVING CONTROL PANEL LAYOUT DETAIL1
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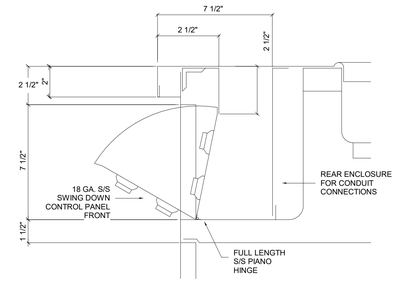

2 COUNTER - SERVING CONTROL PANEL SECTION1
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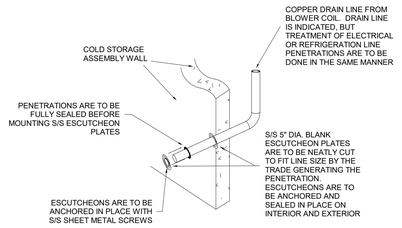
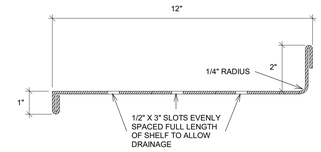
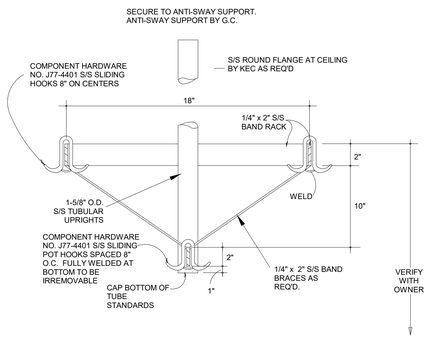


3 COLD STORAGE ASSEMBLY ESCUTCHEON & PENETRATION DETAIL1
NOT TO SCALE

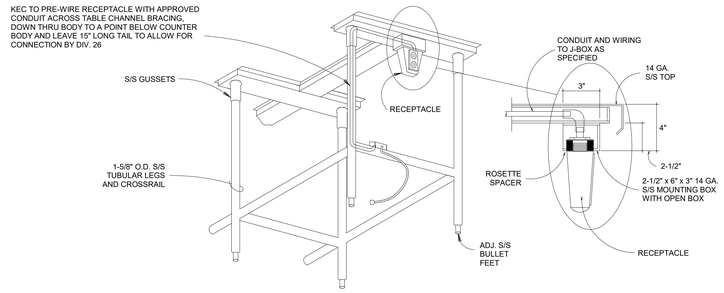


4 WAREWASH - PERFORATED OVER SHELF DETAIL1
NOT TO SCALE



7 OVAL POT RACK - CEILING MOUNT DETAIL1
NOT TO SCALE

NOTE:
COORDINATE ALL RECEPTACLES WITH ELECTRICAL CONTRACT DRAWING REQUIREMENTS, REFER TO ELECTRICAL PLAN



5 WORKTABLE - ELECTRICAL RECEPTACLE MOUNTED UNDER TOP DETAIL1
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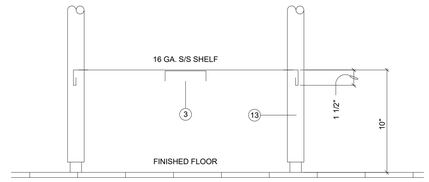
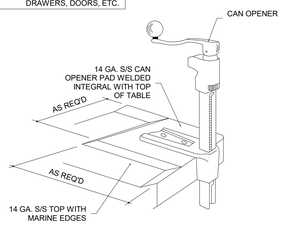


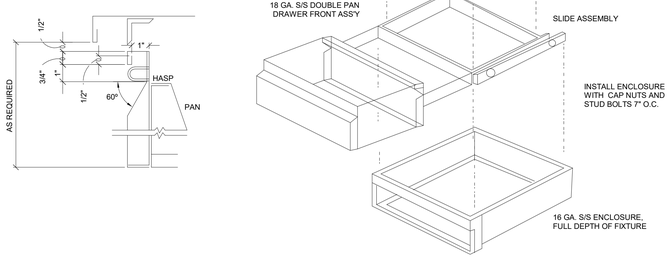
11 UNDER SHELF DETAIL1
NOT TO SCALE

NOTE: DO NOT LOCATE CAN OPENER PAD IN A POSITION THAT WOULD ALLOW CAN OPENER TO OBSTRUCT OPENING OF DRAWERS, DOORS, ETC.

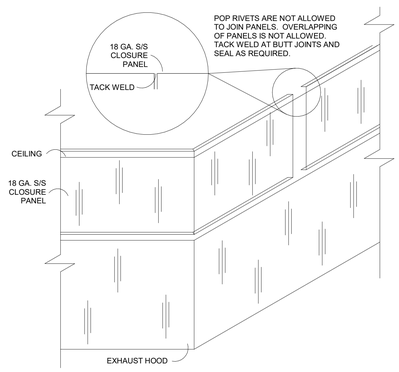


10 SINK - PREP MARINE EDGE CAN OPENER DETAIL1
NOT TO SCALE

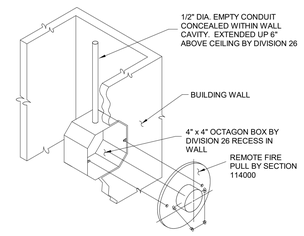
COMPONENT HARDWARE DRAWER PAN AND SLIDES		
TYPE	DRAWER PAN MODEL NO.	DRAWER SLIDE MODEL NO.
UTILITY	S80-2020	S81-2020-C
BREAD	S83-2020	S52-0026
REFRIGERATOR	S81-1520	S52-0024



6 DRAWER ASSEMBLY DETAIL1
NOT TO SCALE



13 EXHAUST HOOD CLOSURE PANEL DETAIL1
NOT TO SCALE



12 FIRE PROTECTION SYSTEM FIRE PULL DETAIL1
NOT TO SCALE

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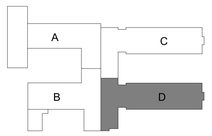

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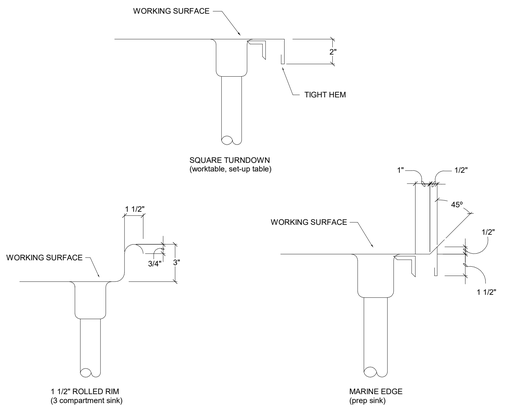
10/18/2024 Bid & Permit

FS DETAILS

QF1.9.1

SCALE: As indicated

Project Name: ORG. #235 BAES Date:2/9/2024



1 EDGE DETAILS1
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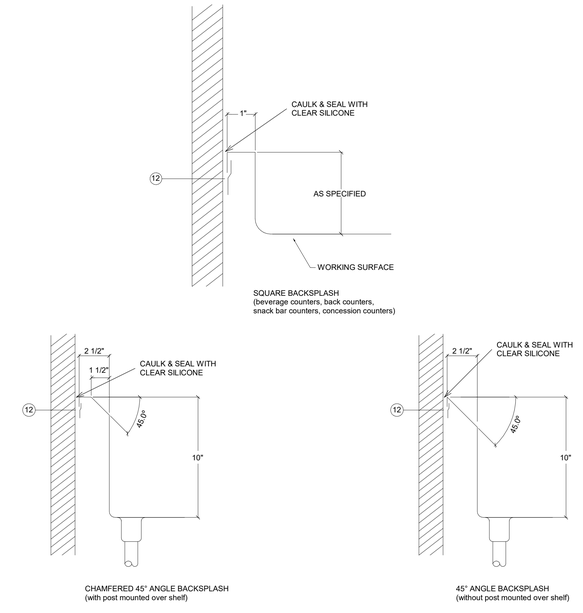


2 BACKSPLASH DETAILS1
NOT TO SCALE

CUSTOM FABRICATION NOTES:

A. WORK SHALL BE DONE IN AN APPROVED WORKMANLIKE MANNER, TO COMPLETE SATISFACTION OF FOODSERVICE DESIGN PROFESSIONALS (FDP).

B. STAINLESS STEEL SHALL BE U.S. STANDARD GAUGES AS CALLED FOR. 18-8, TYPE 304, NOT OVER .012% MAXIMUM CARBON, NO. 4 FINISH.

C. GALVANIZED IRON SHALL BE ARMCO OR EQUAL. FRAMEWORK OF GALVANIZED IRON SHALL BE WELDED CONSTRUCTION, HAVING WELDS SMOOTH, AND WHERE GALVANIZING HAS BURNED OFF, TOUCHED UP WITH HIGH-GRADE ALUMINUM BRONZE.

D. LEGS AND CROSSRAIL SHALL BE CONTINUOUSLY WELDED, UNLESS OTHERWISE NOTED, AND GROUND SMOOTH.

E. BOTTOM OF LEGS AT FLOOR SHALL BE FITTED WITH SANITARY STAINLESS STEEL BULLET-TYPE FOOT, WITH NO LESS THAN 1/2" ADJUSTMENT.

F. LEGS SHALL BE FASTENED TO EQUIPMENT AS FOLLOWS:

01. TO SINKS BY MEANS OF CLOSED GUSSETS. GUSSETS SHALL BE S/S, REINFORCED WITH BUSHING, HAVING SET SCREWS FOR SECURING LEGS.

02. TO TABLES AND DRAINBOARDS WITH CLOSED GUSSETS WHICH SHALL BE WELDED TO GALVANIZED HAT SECTIONS OR CHANNELS, 14 GAUGE OR HEAVIER, EXPOSED HAT SECTIONS HAVING CLOSED ENDS. BRACING SHALL BE UNDERSIDE OF TOPS.

G. CLOSED GUSSETS SHALL BE 3" MINIMUM DIAMETER AT TOP, WELDED TO FRAME MEMBERS OR TO SINK BOTTOM.

H. ROLLS SHALL BE 1 1/2" DIAMETER, EXCEPT AS DETAILED TO THE CONTRARY, WITH CORNERS BULLNOSED, GROUND, AND POLISHED.

I. SEAMS AND JOINTS SHALL BE SHOP-WELDED WHERE POSSIBLE. WELDS TO BE GROUND AND POLISHED TO MATCH ORIGINAL FINISH. MATERIALS 18 GAUGE OR HEAVIER SHALL BE WELDED.

J. METAL TOPS SHALL BE ONE-PIECE WELDED CONSTRUCTION UNLESS SPECIFIED OTHERWISE, REINFORCED ON UNDERSIDE WITH GALVANIZED HAT SECTIONS OR CHANNELS WELDED IN PLACE. CROSSBRACE TO BE NOT MORE THAN 30" ON CENTERS.

K. HARDWARE SHALL BE SOLID MATERIALS AND EXCEPT WHERE EXPOSED OR SPECIFIED TO THE CONTRARY, OF CAST BRASS, CHROME-PLATED. IDENTIFY ALL HARDWARE WITH MANUFACTURER'S NAME AND NUMBER SO THAT BROKEN OR WORN PARTS MAY BE ORDERED AND REPLACED.

L. FABRICATE SINK COMPARTMENTS WITH 3/4" COVED VERTICAL AND HORIZONTAL CORNERS. MULTIPLE- COMPARTMENT PARTITIONS TO BE DOUBLE THICKNESS, CONTINUOUSLY WELDED WHERE SHEETS JOIN AT TOP. FRONT OF MULTIPLE-COMPARTMENT PARTITIONS TO BE CONTINUOUS ON EXTERIOR. BOTTOMS SHALL BE CREASED TO DRAIN.

M. ENDS OF FIXTURES, SPLASHBACKS, SHELVES, ETC., SHALL BE FINISHED FLUSH TO WALLS OR ADJOINING FIXTURES.

N. DISHTABLES, DRAINBOARDS, SPLASHBACKS, AND TURN-UP EDGES SHALL HAVE RADIUS BENDS IN ALL HORIZONTAL AND VERTICAL CORNERS, COVED AT INTERSECTIONS.

O. ROUNDED AND COVED CORNERS OR RADIUS BENDS SHALL BE 1/2" RADIUS OR LONGER.

P. UNDERSIDES OF TOPS TO BE COATED WITH HEAVY-BODIED RESINOUS MATERIAL COMPOUND FOR PERMANENT, NON-FLAKING ADHESION TO METAL, 1/8" THICK, APPLIED AFTER REINFORCING MEMBERS HAVE BEEN INSTALLED, DRYING WITHOUT DIRT-CATCHING CREVICES.

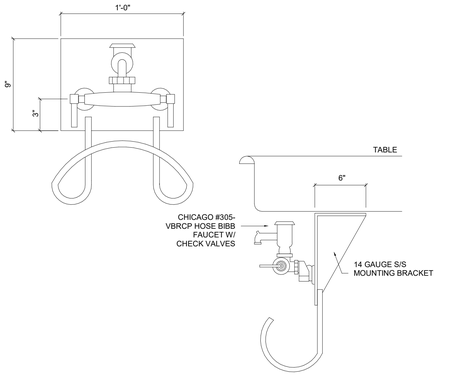
Q. SHELVES ARE TO BE TURNED UP 2" ON THE BACK EDGE. TURN OTHER EDGES DOWN 1 1/2" TO FORM OPEN CHANNELS. REINFORCE SHELF UNITS TO SUPPORT 40 LBS. PER SQUARE FOOT LOADING, PLUS 100% IMPACT LOADING.

R. TRIMWORK AND FRAMING AT MASONRY OPENINGS SHALL BE 18 GAUGE STAINLESS STEEL AND FORMED SO AS TO FIT SNUG TO WALLS AND ADJACENT SURFACES. FRAMING SHALL EXTEND A MINIMUM OF 2" ON EACH SURFACE. SEAL TRIMWORK TO WALLS. REFER TO DRAWINGS.

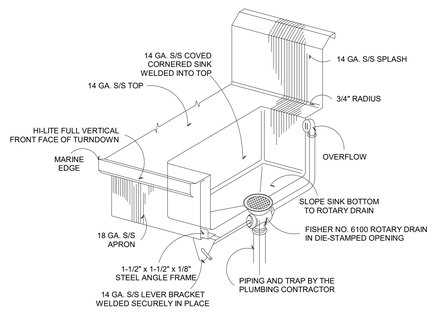
S. METAL COMPONENTS, UNLESS SPECIFIED OR NOTED OTHERWISE, TO BE THE FOLLOWING GAUGES:

TABLETOPS	14 GAUGE STAINLESS STEEL
WALL SHELVES	16 GAUGE STAINLESS STEEL
UNDER SHELVES	16 GAUGE STAINLESS STEEL
SINKS & DRAINBOARDS	14 GAUGE STAINLESS STEEL
EXHAUST DUCTS	18 GAUGE STAINLESS STEEL
LEGS - 1 5/8" DIA.	16 GAUGE STAINLESS STEEL

10 CUSTOM FAB NOTES1
NOT TO SCALE



12 HOSE BIBB DETAIL1
NOT TO SCALE



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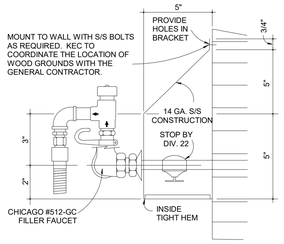

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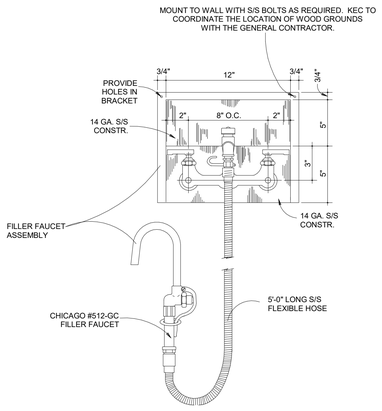

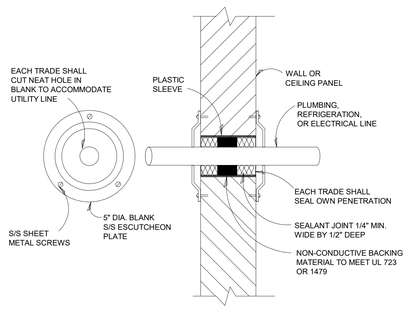

15 COLD STORAGE ASSEMBLY WALL PENETRATION DETAIL1
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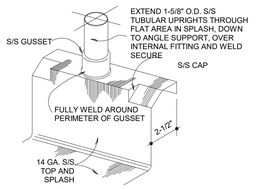


7 SPLASH @ UPRIGHT (DISH TABLE) DETAIL1
NOT TO SCALE

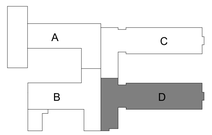
FOODSERVICE DESIGN PROFESSIONALS

GENERAL SHEET NOTES

KEYNOTES

SHEET NOTES

KEY PLAN



N

Bid and Permit

DALLAS INDEPENDENT SCHOOL DISTRICT

ORG #235 - Birdie Alexander Elementary School
DALLAS ISD
1830 Goldwood Drive, Dallas, TX 75232

HarrisonKornberg ARCHITECTS
100 Glass St.
Dallas, TX. 75207
p. 713-229-0688
f. 713-229-0692
Contact: Ben Sauceda

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Written dimensions on these drawings shall have precedence over scale dimensions. Contractors shall be responsible for all dimensions and conditions on the job. HarrisonKornberg Architects, LLC must be notified of any variation from the dimension and conditions shown by these drawings.

ISSUES & REVISIONS

No.	Date	Revision
	02/22/2026	Bid & Permit Set

PROJECT TEAM

Owner/ Project Manager:
Dallas Independent School District
Contact: Koniko McGinnis
T: 559-908-5377

Civil:
JQ Infrastructure
Contact: Ovi Sipos
T: 214-623-5872

Landscape Architecture:
CCA Landscape Architects
Contact: Corey Nelson
T: 214-739-9105

Structural:
JQ Infrastructure
Contact: Akshai Ramakrishnan
T: 214-752-9092

MEP:
MEPCE
Contact: Hunter Harris
T: 972-878-7648
10/18/2024 Bid & Permit

Roofing:
Price Consulting, Inc.
Contact: Richard R. Smith
T: 281-827-9250

IT / AV / Security:
TLC Engineering
Contact: Dylan Akers
T: 972-887-5566

Food Service Design:
Foodservice Design Professionals
Contact: Sherri Myers
T: 972-245-5300

FS DETAILS

QF1.9.2

SCALE: NOT TO SCALE