

# CONSTRUCTION DOCUMENT DRAWINGS

ORG. NO. 274 - CSP 207777

# MARY MCLEOD BETHUNE ELEMENTARY SCHOOL

1665 DUNCANVILLE ROAD, DALLAS, TEXAS 75211

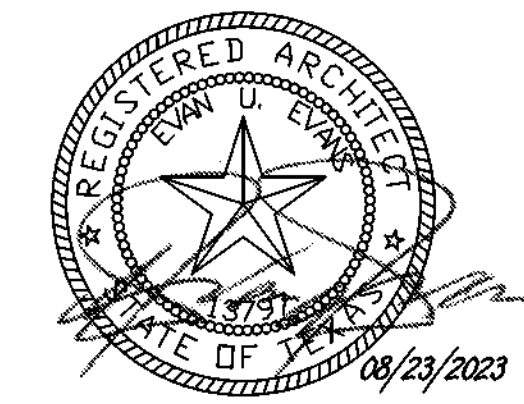
August 23, 2023

SHEET INDEX		
GENERAL		ISSUED
G1.1	COVER SHEET	12/22/2024
G1.2	CODE ANALYSIS & LIFE SAFETY ACCESSIBLE ROUTE PLAN	
G1.3	SITE, LEVEL 1 & 2 CONSTRUCTION PHASING PLANS	
CIVIL		
C1.0	GRADING PLAN	12/22/2024
STRUCTURAL		
S1.0	STRUCTURAL LEGENDS / SYMBOLS & NOTES	12/22/2024
S2.0	STRUCTURAL FOUNDATION & FRAMING ROOF PLANS	
S3.0	MARQUEE SIGN STRUCTURAL SECTIONS AND DETAILS	
S4.0	STRUCTURAL DETAILS	
S5.0	STRUCTURAL DETAILS	
ARCHITECTURAL		
A0.1	EXISTING SITE SURVEY PLAN	12/22/2024
A1.0	SITE PLAN WITH ROOF PLAN	
A1.1	SITE PLAN SECTIONS AND DETAILS	
A2.0	NOT USED	
A3.1	OVERALL LEVEL 1 & ENLARGED - DEMOLITION FLOOR PLANS	
A3.2	OVERALL LEVEL 2 - DEMOLITION FLOOR PLAN	
A4.0	OVERALL ROOF & ENLARGED ROOF - DEMOLITION PLANS	
A5.0	MARQUEE SIGN PLAN / ELEVATION / SECTION & DETAILS	
A6.1	OVERALL LEVEL 1 - FLOOR PLAN	
A6.2	ENLARGED ADMIN / SECURE ENTRY FLOOR PLAN	
A6.3	OVERALL LEVEL 2 - FLOOR PLAN	
A7.0	OVERALL ROOF PLAN	
A8.0	EXTERIOR FRONT & ENLARGED BUILDING ELEVATIONS	
A9.1	OVERALL LEVEL 1 - REFLECTED CEILING PLAN - DEMO	
A9.2	OVERALL LEVEL 1 - REFLECTED CEILING PLAN - NEW	
A10.1	BUILDING WALL SECTIONS & DETAILS	
A10.2	MISCELLANEOUS ROOF DETAILS	
A10.3	MISCELLANEOUS ROOF DETAILS	
A11.1	DOOR ELEVATIONS / DOOR / WINDOW SECTIONS AND DETAILS	
A11.2	SIGNAGE PLAN & GRAPHICS / SCHEDULES / ELEV. / DETAILS	
A12.0	ROOM, DOOR & WINDOW FINISH SCHEDULES / ELEVATIONS / DETAILS	
A13.0	PARTITION TYPES	
A14.0	INTERIOR & CABINET ELEVATIONS / DETAILS	
A15.1	TDLR TYPICAL SPECIFICATIONS & DIAGRAMS	
A15.2	TDLR	
A15.3	TDLR	
MECHANICAL		
MD1.01	LEVEL 1 PLAN - AREA "A" HVAC DEMOLITION	12/22/2024
MD2.01	ROOF PLAN DEMO - HVAC DEMOLITION	
M1.01	LEVEL 1 PLAN - AREA "A" HVAC	
M1.02	LEVEL 1 PLAN - AREA "B" HVAC	
M1.03	LEVEL 1 PLAN - AREA "C" HVAC	
M1.04	LEVEL 2 PLAN - AREA "A" HVAC	
M1.05	LEVEL 2 PLAN - AREA "C" HVAC	
M2.01	ROOF PLAN - HVAC PLAN	
M3.01	MECHANICAL LEGEND & SCHEDULES	
M3.02	MECHANICAL DETAILS & SCHEDULES	
ELECTRICAL		
ED1.01	LEVEL 1 PLAN - AREA "A" ELECTRICAL DEMOLITION	12/22/2024
ED1.02	LEVEL 1 PLAN - AREA "B" ELECTRICAL DEMOLITION	
ED1.03	LEVEL 1 PLAN - AREA "C" ELECTRICAL DEMOLITION	
ED1.04	LEVEL 2 PLAN - AREA "A" ELECTRICAL DEMOLITION	
ED1.05	LEVEL 2 PLAN - AREA "C" ELECTRICAL DEMOLITION	
E0.00	SITE PLAN - ELECTRICAL	
E0.01	SITE PLAN - PHOTOMETRIC PLAN	
E1.01	LEVEL 1 PLAN - AREA "A" LIGHTING	
E1.02	LEVEL 1 PLAN - AREA "B" LIGHTING	
E1.03	LEVEL 1 PLAN - AREA "C" LIGHTING	
E1.04	LEVEL 2 PLAN - AREA "A" LIGHTING	
E1.05	LEVEL 2 PLAN - AREA "C" LIGHTING	
E2.01	ROOF PLAN - ELECTRICAL	
E3.01	LEVEL 1 PLAN - AREA "A" FIRE ALARM	
E3.02	LEVEL 1 PLAN - AREA "B" FIRE ALARM	
E3.03	LEVEL 1 PLAN - AREA "C" FIRE ALARM	
E3.04	LEVEL 2 PLAN - AREA "A" FIRE ALARM	
E3.05	LEVEL 2 PLAN - AREA "C" FIRE ALARM	
E4.01	ELECTRICAL LEGEND & LIGHT FIXTURE SCHEDULES	
E5.01	ELECTRICAL DETAILS	
PLUMBING - ADD ALTERNATE #4		
PD0.00	SITE PLAN - PLUMBING DEMOLITION	12/22/2024
PD1.01	LEVEL 1 DEMO PLAN - AREA "A" PLUMBING	
PD1.02	LEVEL 1 DEMO PLAN - AREA "B" PLUMBING	
PD1.03	LEVEL 1 DEMO PLAN - AREA "C" PLUMBING	
P0.00	SITE PLAN - PLUMBING	
P1.01	LEVEL 1 PLAN - AREA "A" PLUMBING	
P1.02	LEVEL 1 PLAN - AREA "B" PLUMBING	
P1.03	LEVEL 1 PLAN - AREA "C" PLUMBING	
P1.04	LEVEL 2 PLAN - AREA "A" PLUMBING	
P1.05	LEVEL 2 PLAN - AREA "C" PLUMBING	
P2.01	ROOF PLAN - PLUMBING	
P3.01	PLUMBING LEGENDS & SCHEDULES	
TECHNOLOGY		
T0.1	TECHNOLOGY NOTES	12/22/2024
T0.2	TECHNOLOGY LEGENDS AND DETAILS	
T1.0	TECHNOLOGY SITE PLAN	
T1.1	TECHNOLOGY LEVEL 1 - COMPOSITE FLOOR PLAN	
T1.2	TECHNOLOGY LEVEL 2 - COMPOSITE FLOOR PLAN	
T1.1	TECHNOLOGY DETAILS	
T1.2	TECHNOLOGY DETAILS	



PROPOSED ADDITIVE ALTERNATES	
ALT 1	REMOVE AND REPLACE ALL CEILING NOT REPLACED UNDER OTHER WORK ITEMS
ALT 2	REPLACE FIRE ALARM
ALT 3	REPLACE EXTERIOR LIGHTING CONTROLS
ALT 4	REPLACE EXTERIOR LIGHTING WITH LED FIXTURES
ALT 5	REPLACE INTERIOR LIGHTING CONTROLS
ALT 6	REPLACE INTERIOR LIGHTING (OTHER THAN CORRIDOR) WITH LED FIXTURES
ALT 7	REPLACE SOUND SYSTEM
ALT 8	MECHANICAL IMPROVEMENTS
ALT 9	REPLACE MDF / IDF AC UNITSS

**ALTERNATE BIDS EXCEPTIONS:**  
OTHER THAN MECHANICAL, ELECTRICAL & PLUMBING SYSTEMS RENOVATIONS RELATED TO SECURED VESTIBULE FRONT ENTRY & ADMINISTRATIVE SUITE AREA RENOVATIONS & ALTERATIONS, ALL OTHER MECHANICAL, ELECTRICAL & PLUMBING, PROPOSED ALTERATIONS ARE TO BE SUBMITTED AS INDICATED IN THE TABLE OF CONTENT



1 ALTERNATES 12/22/2024

**DALLAS INDEPENDENT SCHOOL DISTRICT**  
9400 CENTRAL EXPRESSWAY, 8TH FLOOR - DALLAS, TEXAS 75231

- |   |   |
|---|---|
| <b>DR. STEPHANIE ELIZALDE</b><br>DISD - SUPERINTENDENT OF SCHOOLS   | <b>DWAYNE THOMPSON</b><br>DISD - DEPUTY SUPERINTENDENT              |
| <b>SUSAN CORDOVA</b><br>DISD - DEPUTY SUPERINTENDENT                | <b>TAMIKA ALFORD-STEPHENS</b><br>DISD - CHIEF FINANCIAL OFFICER     |
| <b>BRENT ALFRED</b><br>DISD - DEPUTY CHIEF OF CONSTRUCTION SERVICES | <b>DR. BRIAN C. LUSK</b><br>DISD - CHIEF OF STRATEGIC INITIATIVE    |
| <b>LIBBY DANIELS</b><br>CHIEF OF COMMUNICATIONS                     | <b>ANGIE GAYLORD</b><br>DEPUTY CHIEF OF TRANSFORMATION & INNOVATION |
| <b>SHANNON TREJO</b><br>CHIEF ACADEMIC OFFICER                      | <b>ROBERT ABEL</b><br>DISD - CHIEF OF HUMAN CAPITAL MANAGEMENT      |
| <b>TIFFANY HUITT</b><br>CHIEF OF SCHOOL LEADERSHIP                  | <b>PAMELA LEAR</b><br>DISD - CHIEF OF STAFF & RACIAL EQUITY         |

## BOARD OF EDUCATION TRUSTEES:

- |   |  |
|---|--|
| <b>JUSTIN HENRY</b><br>BOARD PRESIDENT - DISTRICT 9     | <b>EDWIN FLORES</b><br>TRUSTEE - DISTRICT 1    |
| <b>DAN MICCICHE</b><br>1ST VICE PRESIDENT - DISTRICT 3  | <b>CAMILE D. WHITE</b><br>TRUSTEE - DISTRICT 4 |
| <b>MAXIE JOHNSON</b><br>2ND VICE PRESIDENT - DISTRICT 5 | <b>JOYCE FOREMAN</b><br>TRUSTEE - DISTRICT 6   |
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|   | <b>JOE CARREON</b><br>TRUSTEE - DISTRICT 8     |

## PROGRAM MANAGER

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DALLAS, TEXAS 75231

## CONSULTANTS

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PHONE (214) 340-4440 FAX: (214) 340-0205  
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CARROLLTON, TEXAS 75006

### CIVIL / STRUCTURAL ENGINEER:

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### TECHNOLOGY CONSULTANT:

**CFA CEDERIC FRANK ASSOCIATES**  
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DUNCANVILLE, TEXAS 75138

### ROOFING CONSULTANTS:

**Mayfield MAYFIELD - BUILDING ENVELOPE CONSULTANTS**  
P. O. BOX 140390 - DALLAS, TEXAS 75214

### COST ESTIMATOR:

**Riddle & Goodnight, Inc. RIDDLE & GOODNIGHT, INC.**  
1155 MARY DRIVE - WEATHERFORD, TEXAS 76085





# GENERAL NOTES:

## GENERAL:

1. THE CONTRACTOR SHALL VERIFY FIELD DIMENSIONS AND CONDITIONS BEFORE CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES IN THE DRAWINGS BEFORE PROCEEDING WITH THE WORK.
2. THESE DRAWINGS ARE NOT TO BE SCALED. CALLED DIMENSIONS GOVERN SCALED DIMENSIONS.
3. THE CONTRACTOR SHALL VERIFY LOCATIONS AND SIZES OF ALL OPENINGS IN FLOORS AND ROOFS AND ALL INSERTS AND EMBEDDED ITEMS WITH MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS BEFORE PLACING CONCRETE. INSTALLING METAL DECKING OR ERECTING ANY STRUCTURAL LOAD BEARING MATERIAL. THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL COORDINATION WITH SUB-CONTRACTORS.
4. ADEQUATE TEMPORARY BRACING WILL BE REQUIRED OF ALL STRUCTURAL PIECES OR UNITS UNTIL ALL MASONRY WALLS AND/OR FLOOR OR ROOF DECKS ARE IN PLACE, AND ALL CONCRETE HAS BEEN PLACED AND GAINED ITS ULTIMATE STRENGTH.
5. IN CASE OF DRAWING DISCREPANCIES IN DIMENSIONS AND ELEVATIONS BETWEEN STRUCTURAL AND ARCHITECTURAL DRAWINGS, CONTRACTOR SHALL VERIFY WITH ENGINEER PRIOR TO FABRICATION AND CONSTRUCTION.
6. THE LATEST EDITION OF IBC, ACI, AISC, AWS, CRSI, AND SJI SPECIFICATIONS SHALL GOVERN ALL PHASES OF FABRICATION AND CONSTRUCTION.
7. STRUCTURAL DESIGN CRITERIA PROCESS TOWER:

ROOF DEAD LOAD - 20 PSF  
 ROOF LIVE LOAD - 20 PSF (CAN BE REDUCED PER ASCE 7-05)

WIND LOAD - 115 MPH PER ASCE 7-05  
 EXPOSURE C  
 WIND IMPORTANCE FACTOR 1.15  
 GCPI = +/- 0.18  
 SEE CHART FOR COMPONENTS AND CLADDING DESIGN PRESSURES

8. CONTRACTOR SHALL REVIEW AND STAMP ALL SUBMITTALS BEFORE FORWARDING TO ENGINEER FOR REVIEW.

## QUALITY ASSURANCE:

1. TESTING LABORATORY SHALL SUBMIT REPORTS INDICATING RESULTS AND OBSERVATIONS OF TESTS AND INSPECTIONS AND STATING COMPLIANCE OR NONCOMPLIANCE WITH CONTRACT DOCUMENTS TO ARCHITECT (STRUCTURAL ENGINEER) PER IBC 1705 AND 1706 AND, TO GOVERNING CODE AUTHORITY. CONTRACTOR SHALL REIMBURSE OWNER FOR COSTS RELATED TO TESTS AND INSPECTIONS OF UNIDENTIFIABLE MATERIALS OR MATERIALS FURNISHED WITHOUT CERTIFIED LABORATORY TEST REPORTS. MATERIALS FOUND DEFICIENT AFTER INITIAL TESTS AND INSPECTIONS, OR MATERIALS REPLACING DEFICIENT MATERIALS. SEE SPECIFICATIONS FOR ADDITIONAL TEST AND INSPECTION REQUIREMENTS.
2. PROVIDE CEMENT, AGGREGATES, REINFORCING STEEL, STRUCTURAL STEEL, HIGH-STRENGTH BOLTS, OPEN-WEB STEEL JOISTS, ETC., FROM IDENTIFIABLE TESTED STOCK. SUBMIT CERTIFIED LABORATORY TEST REPORTS TO ARCHITECT (STRUCTURAL ENGINEER) AND, TO GOVERNING CODE AUTHORITY. IF MATERIALS CANNOT BE IDENTIFIED OR IF CERTIFIED LABORATORY TEST REPORTS CANNOT BE MADE AVAILABLE, TESTING LABORATORY WILL PERFORM TESTS TO DETERMINE CONFORMANCE WITH CONTRACT DOCUMENTS AS DIRECTED BY ARCHITECT (STRUCTURAL ENGINEER).
3. TESTING LABORATORY SHALL PROVIDE SPECIAL INSPECTIONS, COMPLYING WITH IBC SECTION 1704 FOR THE FOLLOWING:
  - a. STEEL CONSTRUCTION PER TABLE 1704.3
  - b. CONCRETE CONSTRUCTION PER TABLE 1704.4
  - c. MASONRY CONSTRUCTION PER TABLE 1704.5.1
  - d. PILE-SUPPORTED PILE INSTALLATION PER TABLE 1704.8
4. SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE PER IBC 1707 ARE NOT REQUIRED FOR THIS PROJECT.

## ABBREVIATIONS

SW	SHEAR WALL	MU	MECHANICAL UNIT
HD	HOLD DOWN FOR SHEARWALL	RTU	ROOF TOP UNIT
BO	BOTTOM OF	HDR	HEADER

## FOUNDATION:

1. FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL INVESTIGATION REPORT MADE BY ALPHA TESTING, DATED 1/15/2022. A COPY OF THE REPORT IS AVAILABLE AT THE ENGINEER'S OFFICE DURING REGULAR WORKING HOURS.
2. THE RECOMMENDATIONS CONTAINED IN THE PROJECT GEOTECHNICAL REPORT REFERENCED ABOVE FOR SITE PREPARATION, SELECT FILL MATERIAL, SELECT FILL COMPACTION, AND CONSTRUCTION CONSIDERATIONS SHALL BE DEEMED TO BE PART OF THE CONTRACT DOCUMENTS. CONTRACTOR SHOULD PAY SPECIAL ATTENTION TO THE RECOMMENDATIONS CONTAINED IN THE SITE PREPARATION SECTION OF THE PROJECT GEOTECHNICAL REPORT.
3. AUGERED CAST-IN-PLACE PILES (FC=3,000-PSI) HAVE THE FOLLOWING ALLOWABLE DESIGN CAPACITIES:
 

TYPE A - 16"-DIAM X 45-FT (30-T COMPRESSION & 10-T TENSION)
TYPE B - 16"-DIAM X 55-FT (45-T COMPRESSION & 15-T TENSION)
4. CONTRACTOR SHALL PROVIDE FOR DEWATERING AT EXCAVATIONS FROM EITHER SURFACE WATER OR SEEPAGE.
5. CONTRACTOR SHALL PROVIDE ADEQUATE EXCAVATION SHORING TO PREVENT CAVE-INS.

## REINFORCING STEEL:

1. ALL REINFORCING STEEL SHALL BE NEW BILLET, ASTM A615 GRADE 60 DEFORMED DOMESTIC BARS. ALL DETAILING, FABRICATION, PLACING AND SUPPORTING SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 318 AND CRSI.
2. ALL DOWELS SHALL BE THE SAME SIZE AND SPACING AS ADJOINING MAIN BARS (MIN. LAP 30 BAR DIA.), UNLESS NOTED OR DETAILED OTHERWISE. THE MINIMUM SPLICE OF ALL CONTINUOUS BARS SHALL BE 40 BAR DIA. (2'-0" MIN.). PROVIDE OUTSIDE CORNER BARS IN ALL BEAMS, BARS SHALL BE SAME SIZE AS MAIN BEAM STEEL; LAP 30 BAR DIA.
3. CLEAR MINIMUM COVERAGE OF CONCRETE OVER REINFORCING BARS SHALL BE PER ACI 318 AND AS FOLLOWS:
 

CONCRETE CAST AGAINST EARTH ----- 3"
FORMED CONCRETE AGAINST EARTH ----- 1-1/2"
TOP OF SLABS-ON-GRADE ----- 3/4"
TOP AND BOTTOM OF SUSPENDED SLABS ----- 3/4" OR BAR DIA.
4. ALL REINFORCING BARS, WELDED WIRE FABRIC, BOLTS, DOWELS, INSERTS, ETC., SHALL BE RIGIDLY SECURED IN POSITION PRIOR TO PLACING CONCRETE.
5. CONTRACTOR SHALL SUBMIT COMPLETE SHOP AND PLACING DRAWINGS AND OBTAIN APPROVAL PRIOR TO FABRICATION.
6. REINFORCING STEEL FOR CURVED BEAMS SHALL BE ROLLED TO REQUIRED RADIUS.

## CONCRETE:

1. CONCRETE SHALL HAVE A 28-DAY STRENGTHS OF 4,000 GIRDBERS AND 3,500 PSI UNLESS NOTED. AIR ENTRAINMENT SHALL NOT EXCEED 3% FOR INTERIOR SLABS WITH A STEEL TROWEL FINISH.
2. CHAMFER ALL EXPOSED EDGES TO 3/4" UNLESS OTHERWISE NOTED.
3. MAXIMUM AGGREGATE SIZE SHALL BE 1-1/2".
4. ALL CONSTRUCTION JOINTS IN BEAMS SHALL BE KEYED USING A HORIZONTAL KEYWAY AND JOINT SHALL BE LOCATED AT MIDDLE THIRD OF SPAN. REINFORCING SHALL BE CONTINUOUS THROUGH JOINT.
5. GRIND ALL CONSTRUCTION JOINTS IN SLABS SO AS TO PRODUCE A SMOOTH AND LEVEL SURFACE.
6. ALL EXPOSED CONCRETE TO RECEIVE RUBBED FINISH UNLESS OTHERWISE NOTED.

## STRUCTURAL STEEL:

1. ALL STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN". STEEL FOR WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992. HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO ASTM A500 GRADE B (46-KSI), PIPES SHALL CONFORM TO ASTM A53 TYPE E OR S, ALL OTHER STRUCTURAL STEEL SHAPES AND PLATE SHALL CONFORM TO ASTM A36.
2. CONNECTIONS OF STRUCTURAL STEEL BEAMS TO COLUMNS AND BEAMS TO BEAMS SHALL BE BEARING TYPE WITH STANDARD CLIP ANGLES WITH THE MAXIMUM NUMBER OF BOLT ROWS USING 3" SPACING PERMITTED BY THE INDIVIDUAL BEAM SIZE, UNLESS NOTED OTHERWISE. STRUCTURAL STEEL FLOOR OR ROOF FILLER BEAMS CARRYING GRAVITY LOAD ONLY MAY BE CONNECTED TO GIRDBERS USING SINGLE ANGLE SHEAR CONNECTIONS SIZED TO DEVELOP THE DESIGN REACTIONS SHOWN.
3. ALL WELDING SHALL CONFORM TO THE RECOMMENDATIONS OF THE AWS, AND ALL WELDS, INCLUDING FIELD, SHALL BE MADE ONLY BY CERTIFIED WELDERS USING E70XX ELECTRODES.
4. ALL STRUCTURAL BOLTS SHALL BE 3/4"-DIAMETER ASTM A325-N, BEARING TYPE UNLESS NOTED OTHERWISE.
5. ANCHOR RODS SHALL BE ASTM F1554 GRADE 36. ALL ANCHOR RODS SHALL BE SET WITH TEMPLATES.
6. ALL ROOF OPENINGS SMALLER THAN 12" IN PLAN SHALL BE FRAMED WITH L3X3X1/4 ANGLES ON ALL SIDES. OPENINGS LARGER THAN 12" IN PLAN SHALL BE FRAMED AS REQUIRED TO CARRY THE LOADS APPLIED.

## STRUCTURAL STEEL CONT.:

7. STEEL JOISTS SHALL BE DESIGNED, MANUFACTURED AND BRIDGED TO CONFORM WITH THE LATEST EDITION OF THE "STEEL JOIST INSTITUTE" STANDARD SPECIFICATIONS. PROVIDE RECOMMENDED CAMBER FOR JOIST SPAN. JOIST MANUFACTURER SHALL PROVIDE JOIST BRIDGING PER SJI RECOMMENDATIONS FOR ERECTION STABILITY. JOISTS & JOIST BRIDGING TO BE DESIGNED FOR NET UPLIFT OF 15-PSF. JOISTS SUPPLIER SHALL DESIGN JOISTS TO SUPPORT ADDITIONAL EQUIPMENT LOADS SHOWN.
8. ROOF DECKING SHALL BE 1-1/2", 22 GAGE, TYPE B, GALVANIZED STEEL DECK. ATTACH ROOF DECK TO SUPPORTS WITH 5/8" PUDDLE WELDS AT 12" O.C. (3/8" FASTENER PATTERN). PROVIDE TWO (2) #10 TEK SCREW SIDE LAP FASTENERS, TYPICAL UNLESS NOTED OTHERWISE. ATTACH ROOF DECK TO PERIMETER SUPPORTS WITH 5/8" PUDDLE WELDS AT 6" O.C. AT ROOF EDGES.
9. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR MISCELLANEOUS STEEL ITEMS NOT SHOWN ON STRUCTURAL DRAWINGS.
10. CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS AND OBTAIN APPROVAL PRIOR TO FABRICATION.

## MISCELLANEOUS STEEL:

REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR MISCELLANEOUS STEEL ITEMS.

## SPECIAL INSPECTION

SPECIAL INSPECTION SHALL MEET THE REQUIREMENTS OF IBC SECTION 1704. SPECIAL INSPECTOR(S) SHALL BE HIRED BY THE OWNER TO PERFORM THE REQUIRED SPECIAL INSPECTIONS. THE NAMES OF PERSONS OR FIRMS WHO ARE TO PERFORM THE SPECIAL INSPECTIONS SHALL BE FORWARDED TO THE BUILDING OFFICIAL FOR APPROVAL. THE SPECIAL INSPECTOR(S) SHALL COMPLETE AND SUBMIT ALL FORMS REQUIRED BY CITY, STATE.

1. THE SPECIAL INSPECTOR(S) SHALL:
  - 1.A. OBSERVE THE WORK ASSIGNED FOR CONFORMANCE TO THE APPROVED DRAWING AND SPECIFICATIONS.
  - 1.B. FURNISH INSPECTION REPORTS TO THE ENGINEER OF RECORD AND BUILDING DEPARTMENT. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF NOT CORRECTED TO THE ENGINEER AND THE BUILDING DEPARTMENT.
  - 1.C. SUBMIT TO THE ENGINEER OF RECORD AND THE BUILDING DEPARTMENT A SIGNED FINAL REPORT STATING THAT THE WORK WAS IN CONFORMANCE WITH THE APPROVED DRAWINGS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE IBC.
2. SPECIAL INSPECTION NOTES:
  - 2.A. CONTINUOUS SPECIAL INSPECTION IS ALWAYS REQUIRED DURING THE PERFORMANCE OF THE WORK UNLESS SPECIFICALLY NOTED BELOW.
  - 2.B. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE SPECIAL INSPECTOR(S) WITH ADVANCE NOTICE, NO LESS THAN ONE WORKING DAY, OF THE INITIATION OF ANY WORK REQUIRED TO HAVE SPECIAL INSPECTIONS. ALL WORK PERFORMED WITHOUT REQUIRED SPECIAL INSPECTION WILL BE SUBJECT TO REMOVAL.
3. TYPES OF WORK REQUIRING SPECIAL INSPECTION ARE:
  - 3.A. CONCRETE: DURING PREPARATION OF REQUIRED TEST SPECIMENS. DURING PLACEMENT OF REINFORCED CONCRETE EXCEPT AS ALLOWED IN IBC SECTION 1704.4.
  - 3.B. BOLTS INSTALLED IN CONCRETE: DURING SETTING OF BOLTS. DURING PLACEMENT OF CONCRETE AROUND BOLTS.
  - 3.C. REINFORCING STEEL IN CONCRETE: DURING PLACEMENT OF REINFORCING STEEL FOR CONCRETE EXCEPT AS ALLOWED IN IBC SECTION 1704.4.
  - 3.D. SPECIAL CASES AS DEEMED NECESSARY BY BUILDING OFFICIAL.
  - 3.E. WOOD FRAMING IN GENERAL CONFORMANCE WITH CONSTRUCTION DOCUMENTS.
  - 3.F. PLACEMENT OF ALL HURRICANE TIES AND STRAPS FROM ROOF JOISTS TO BEARING WALLS AND SIDE WALLS.

OWNER:

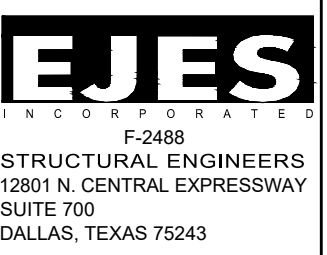


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CONSULTANT:



CONSULTANT SEAL:

Revisions	Issues

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.



SHEET NAME:

**STRUCTURAL  
 LEGENDS /  
 SYMBOLS &  
 NOTES**

Job 1025202  
 Date 08-23-2023  
 Drawn dn  
 Check MG  
 PRF

Sheet **S1.0**  
 Of SHEETS



08/28/2023

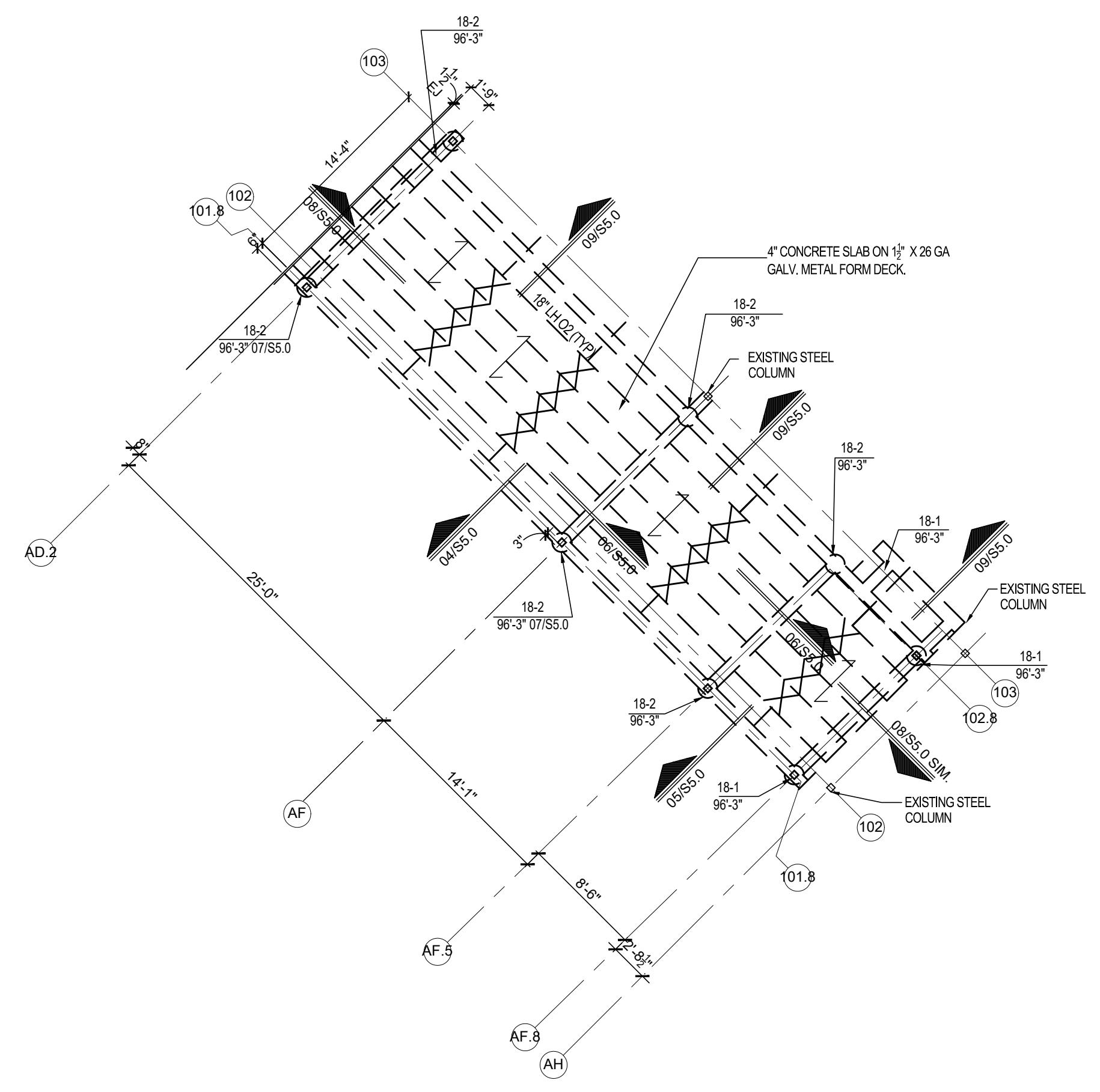
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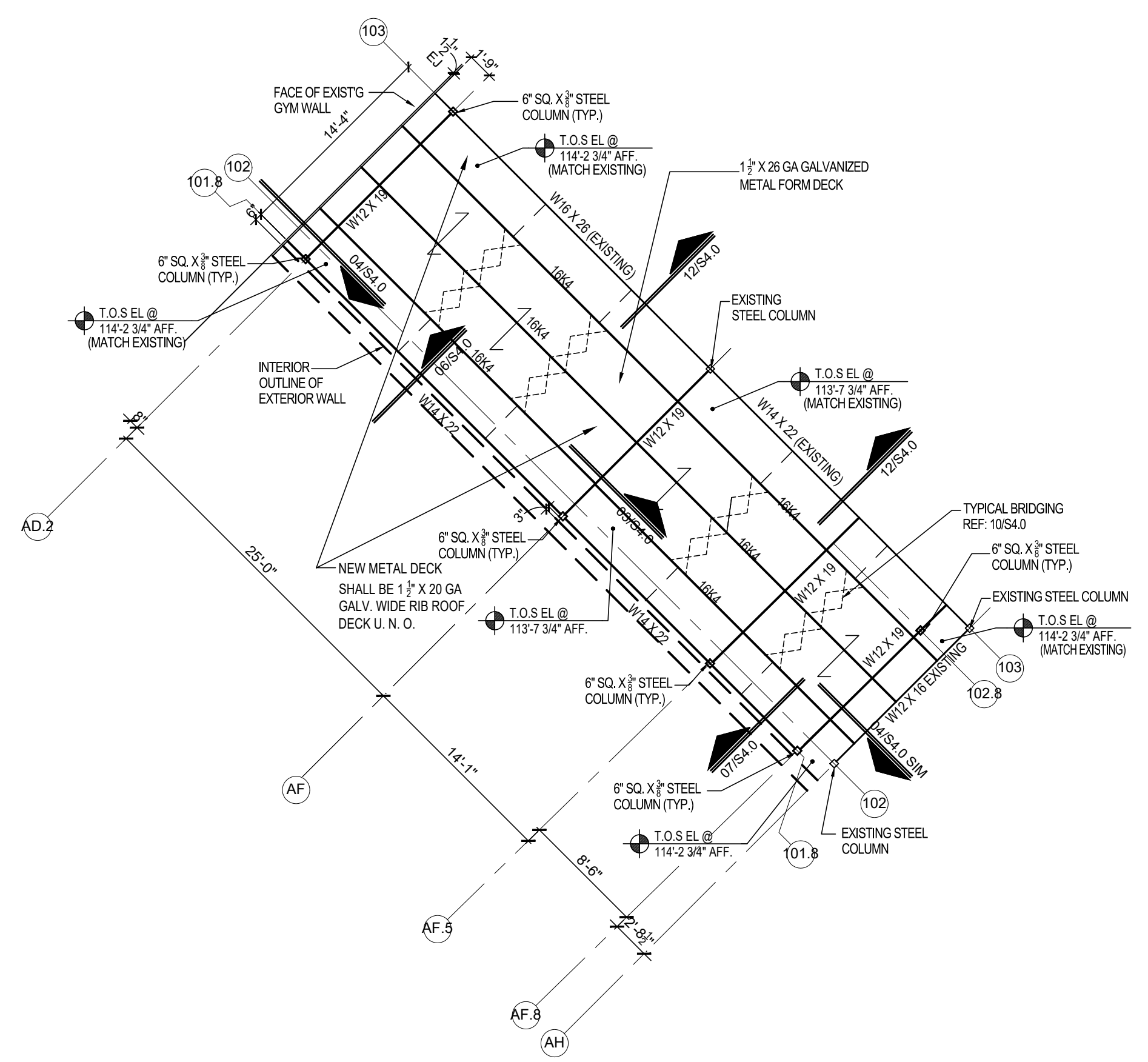


SHEET NAME:  
**ENLARGED  
 STRUCTURAL  
 FOUNDATION &  
 FRAMING PLANS**

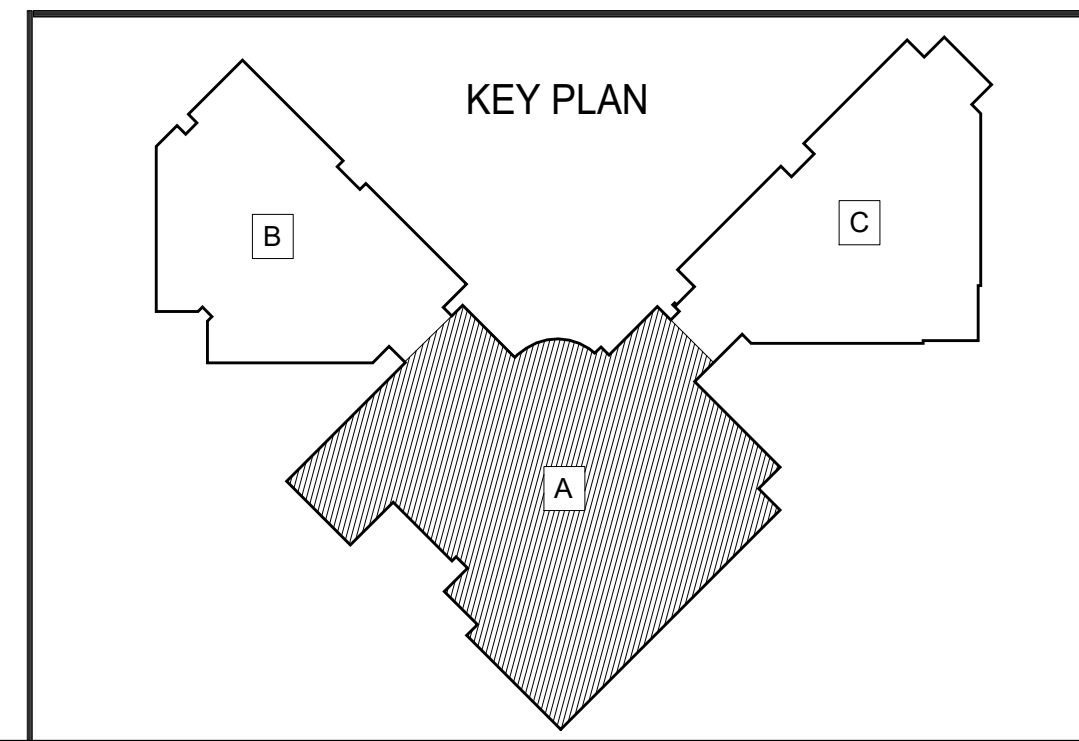
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 Of SHEETS

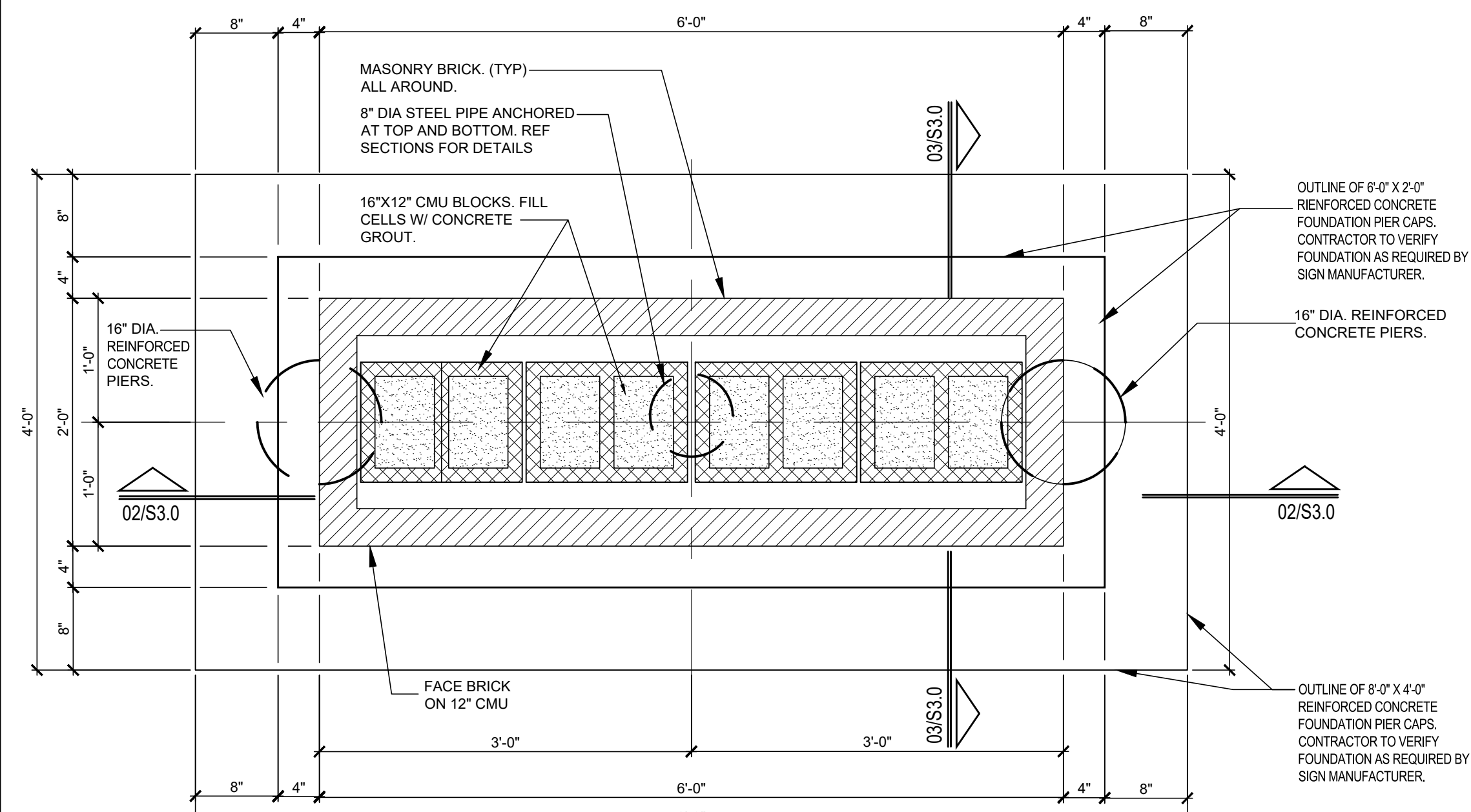


**01 ENLARGED STRUCTURAL FOUNDATION PLAN**  
 SCALE: 1/8" = 1'-0"  
 HALF SIZE: 1/16" = 1'-0"



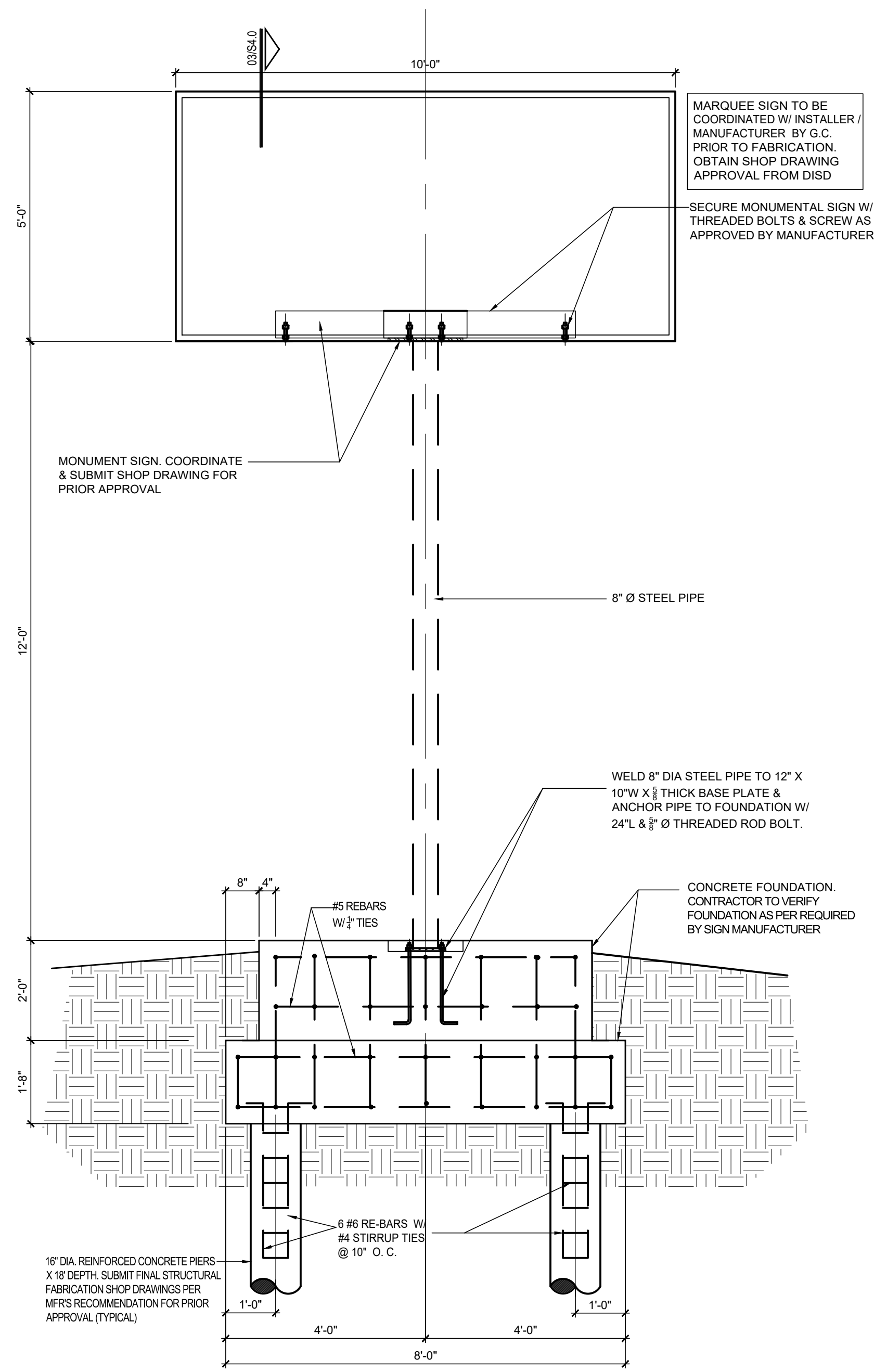
**02 ENLARGED STRUCTURAL ROOF FRAMING PLAN**  
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 HALF SIZE: 1/16" = 1'-0"





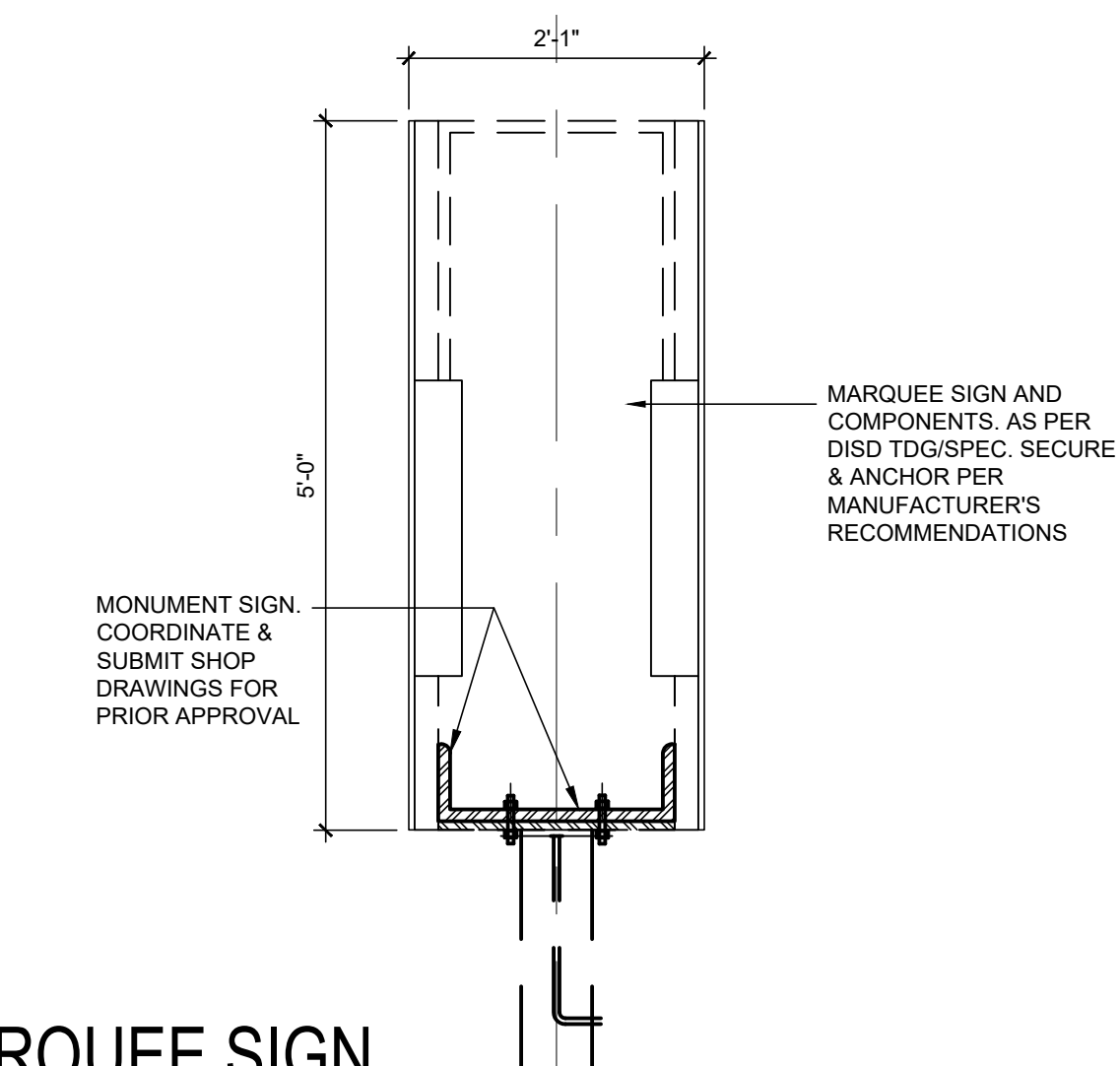
**01 MARQUEE SIGN FOUNDATION PLAN**

SCALE: 1/2" = 1'-0"  
HALF SIZE: 1/4" = 1'-0"



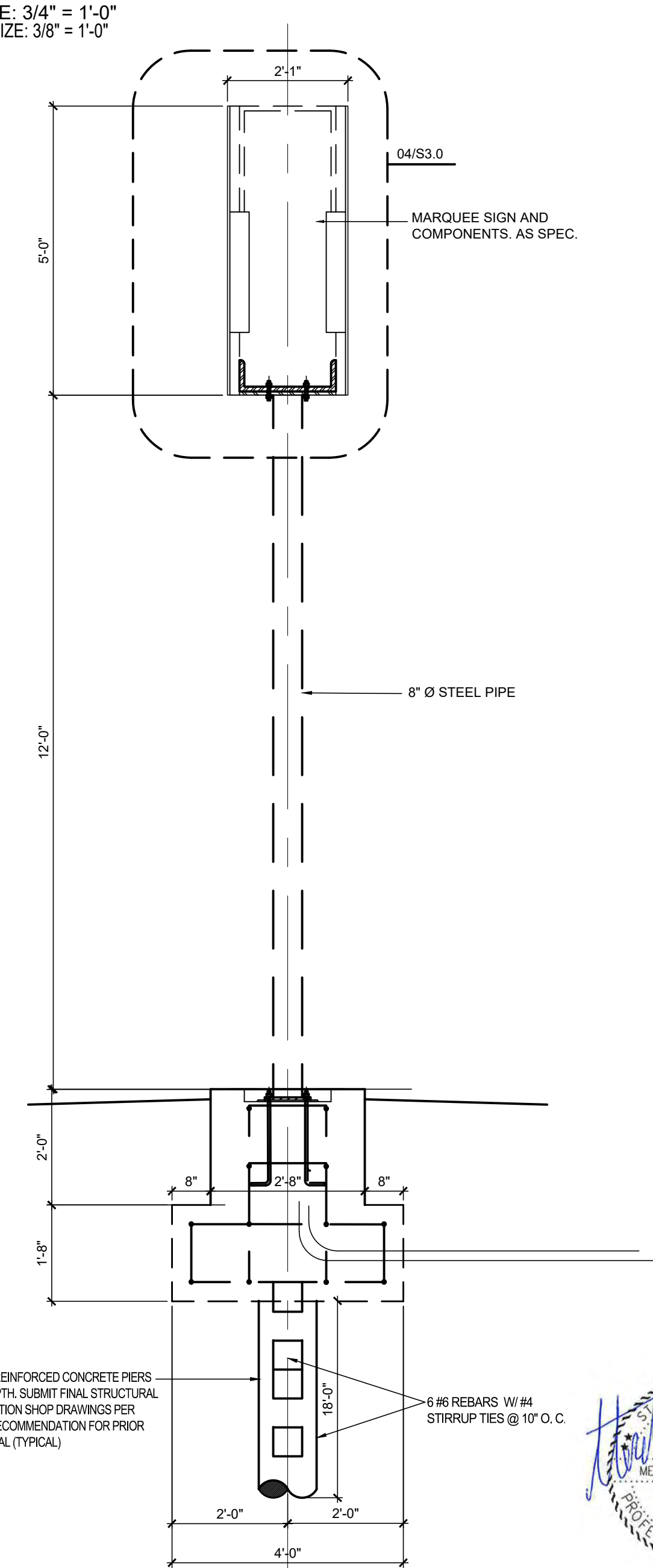
**02 MARQUEE SIGN SECTION / DETAIL**

SCALE: 1/2" = 1'-0"  
HALF SIZE: 1/4" = 1'-0"



**04 MARQUEE SIGN ENLARGED ATTACHMENT SECTION**

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



**03 MARQUEE SIGN SECTION / DETAIL**

SCALE: 1/2" = 1'-0"  
HALF SIZE: 1/4" = 1'-0"

**NOTE:**  
REFERENCE SITE PLAN SHEET A1.0 FOR ACTUAL LOCATION OF EXISTING MARQUEE SIGN TO BE REPLACED WITH NEW MARQUEE SIGN AT SAME LOCATION.  
SIGN INSTALLER / MANUFACTURER'S ENGINEER SHALL SUBMIT FABRICATION & INSTALLATION SHOP DRAWINGS TO ENGINEER / ARCHITECT FOR PRIOR APPROVAL BEFORE ORDER / INSTALLATION

MARQUEE SIGN TO BE COORDINATED W/ INSTALLER / MANUFACTURER BY G.C. PRIOR TO FABRICATION. OBTAIN SHOP DRAWING APPROVAL FROM DISD  
SECURE MONUMENTAL SIGN W/ THREADED BOLTS & SCREW AS APPROVED BY MANUFACTURER

MONUMENT SIGN COORDINATE & SUBMIT SHOP DRAWING FOR PRIOR APPROVAL

WELD 8" DIA STEEL PIPE TO 12" X 10" W X 1/2" THICK BASE PLATE & ANCHOR PIPE TO FOUNDATION W/ 24" L & 5/8" Ø THREADED ROD BOLT.  
CONCRETE FOUNDATION CONTRACTOR TO VERIFY FOUNDATION AS PER REQUIRED BY SIGN MANUFACTURER

16" DIA REINFORCED CONCRETE PIERS X 18" DEPTH. SUBMIT FINAL STRUCTURAL FABRICATION SHOP DRAWINGS PER MFR'S RECOMMENDATION FOR PRIOR APPROVAL (TYPICAL)

6 #6 REBARS W/ #4 STIRRUP TIES @ 10" O.C.



08/28-2023

CONSULTANT SEAL:

Revisions	Issues

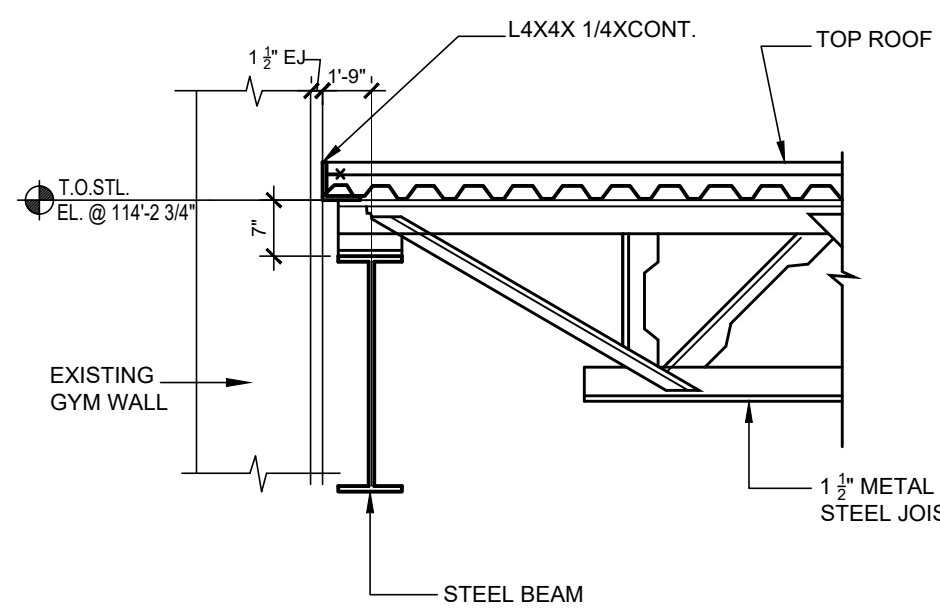
DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
ELEMENTARY SCHOOL RENOVATIONS  
1665 DUNCANVILLE ROAD - DALLAS, TX.



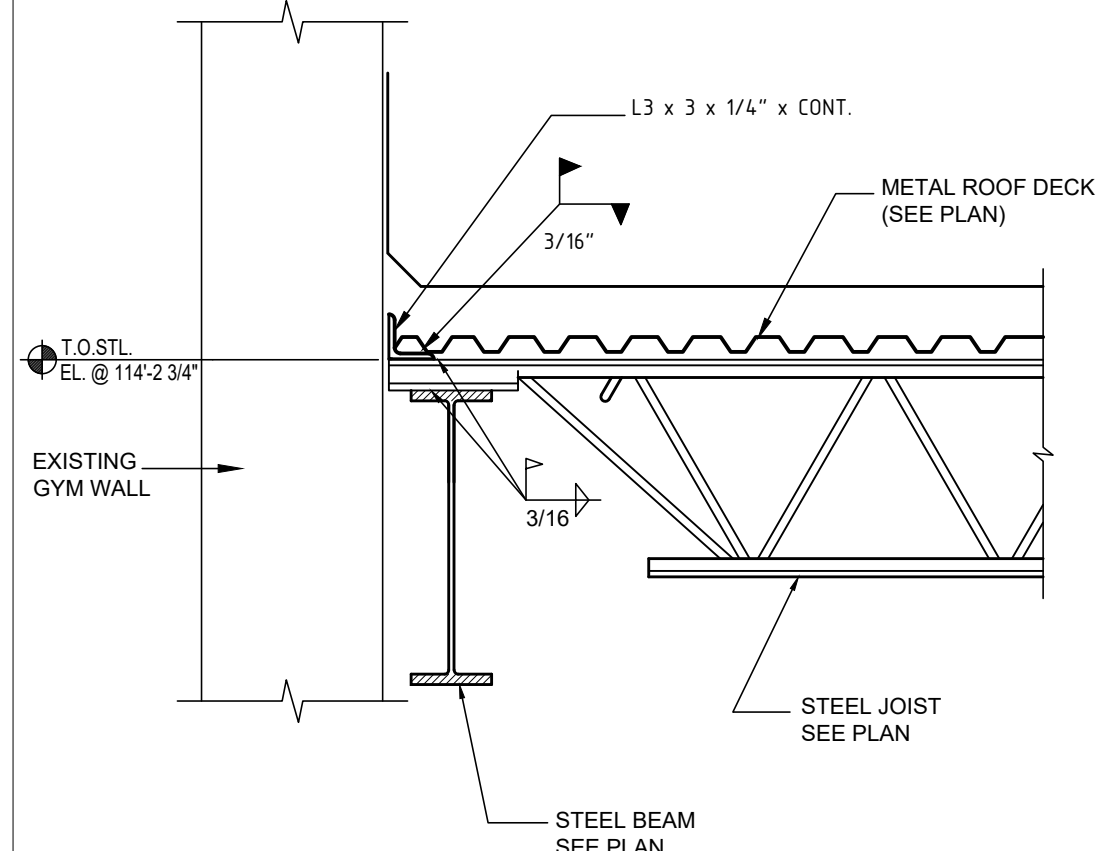
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**MARQUEE SIGN**

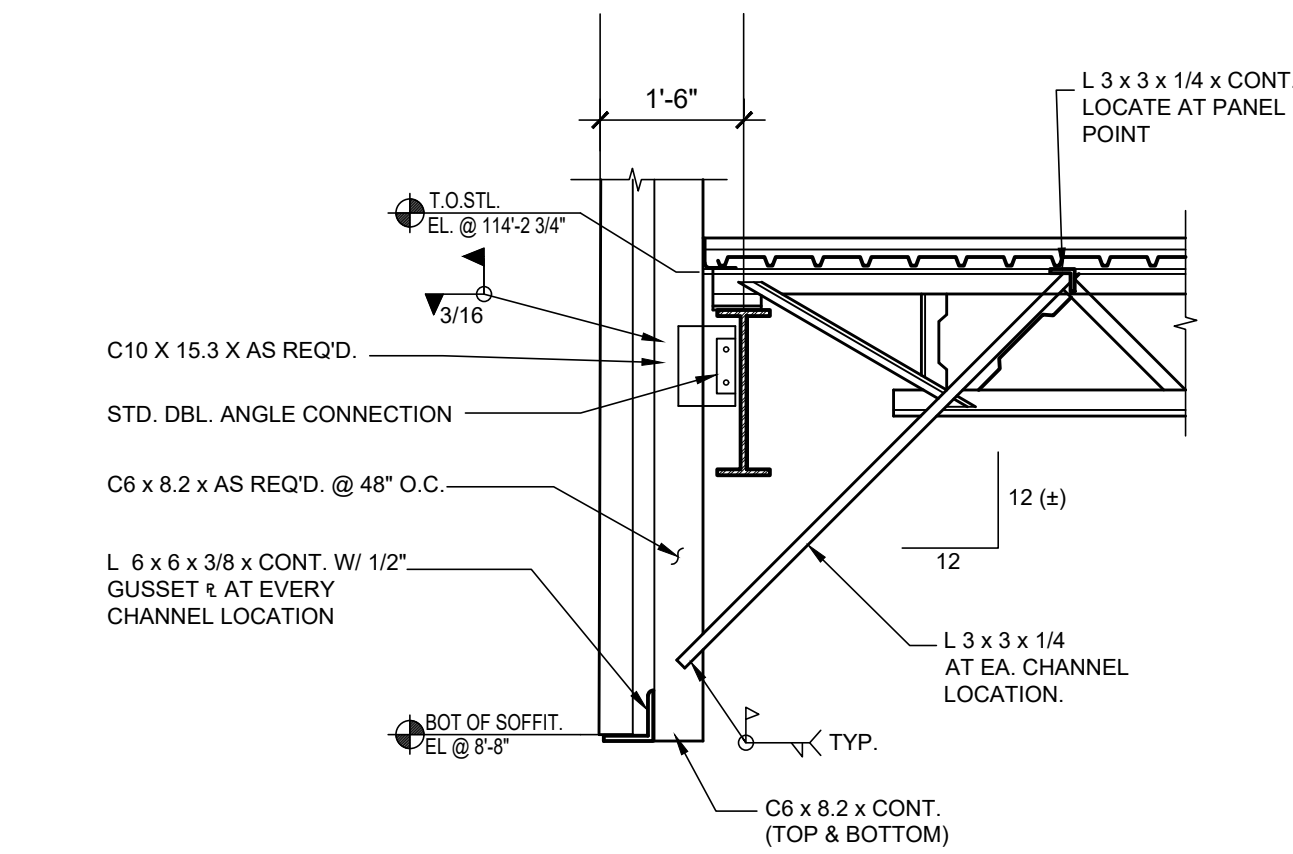
Job 1025202  
Date 08-23-2023  
Drawn dn  
Check MG  
PRF  
Sheet **S3.0**  
Of SHEETS



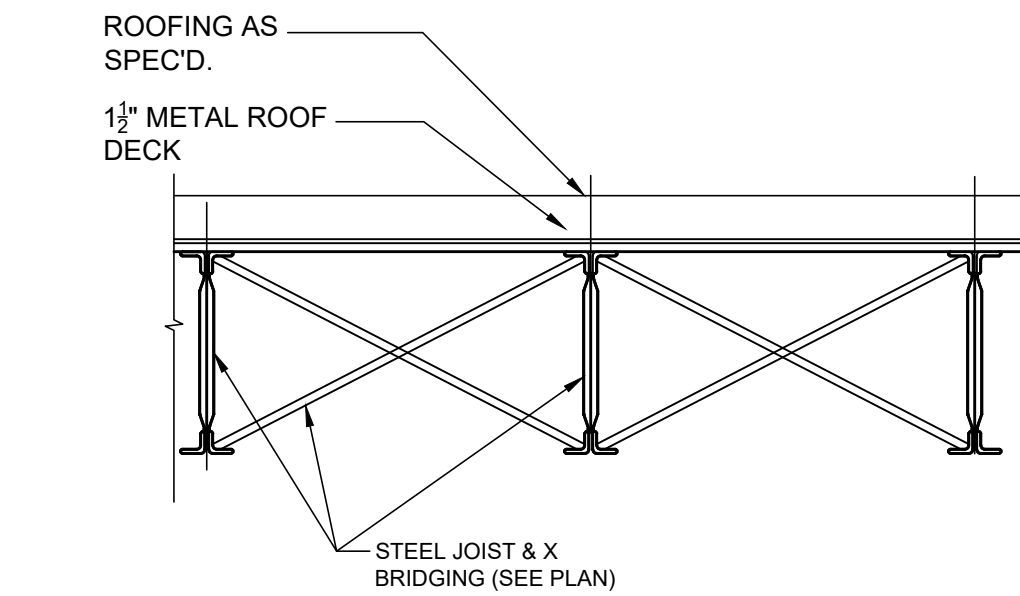
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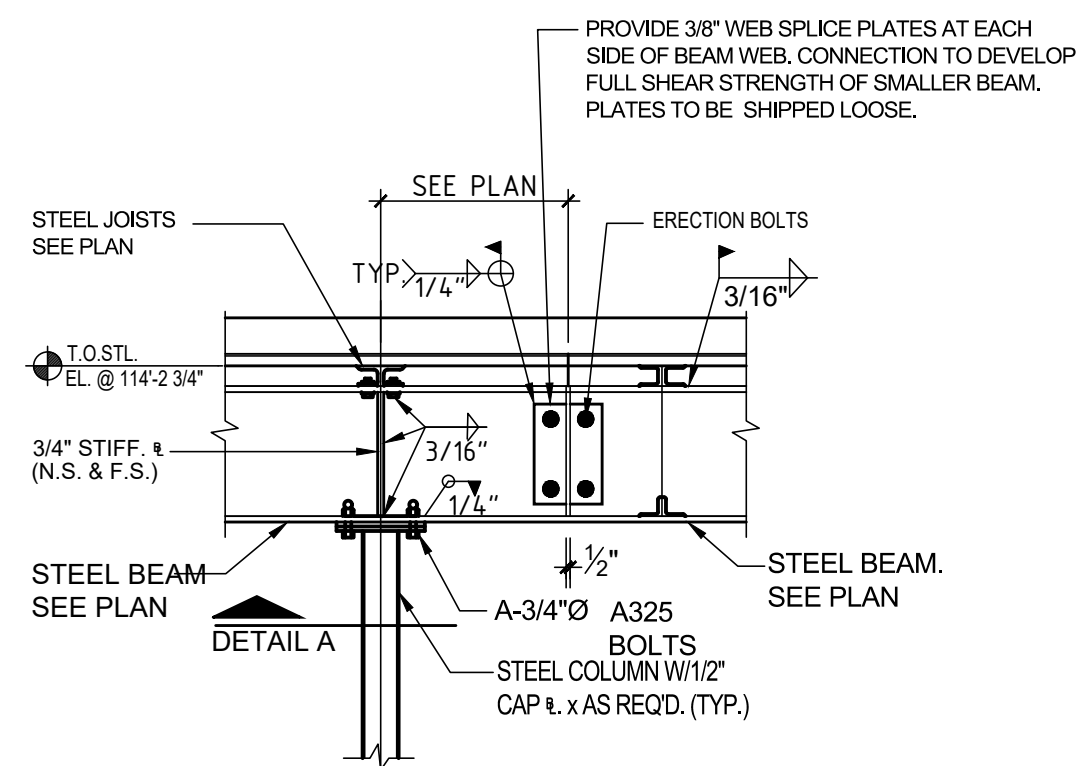
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SCALE: 1/2"=1'-0"  
HALF SCALE: 1/4"=1'-0"



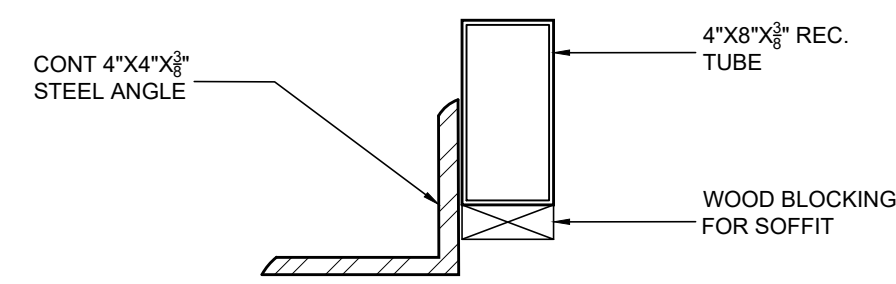
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SCALE: 1/2"=1'-0"  
HALF SCALE: 1/4"=1'-0"



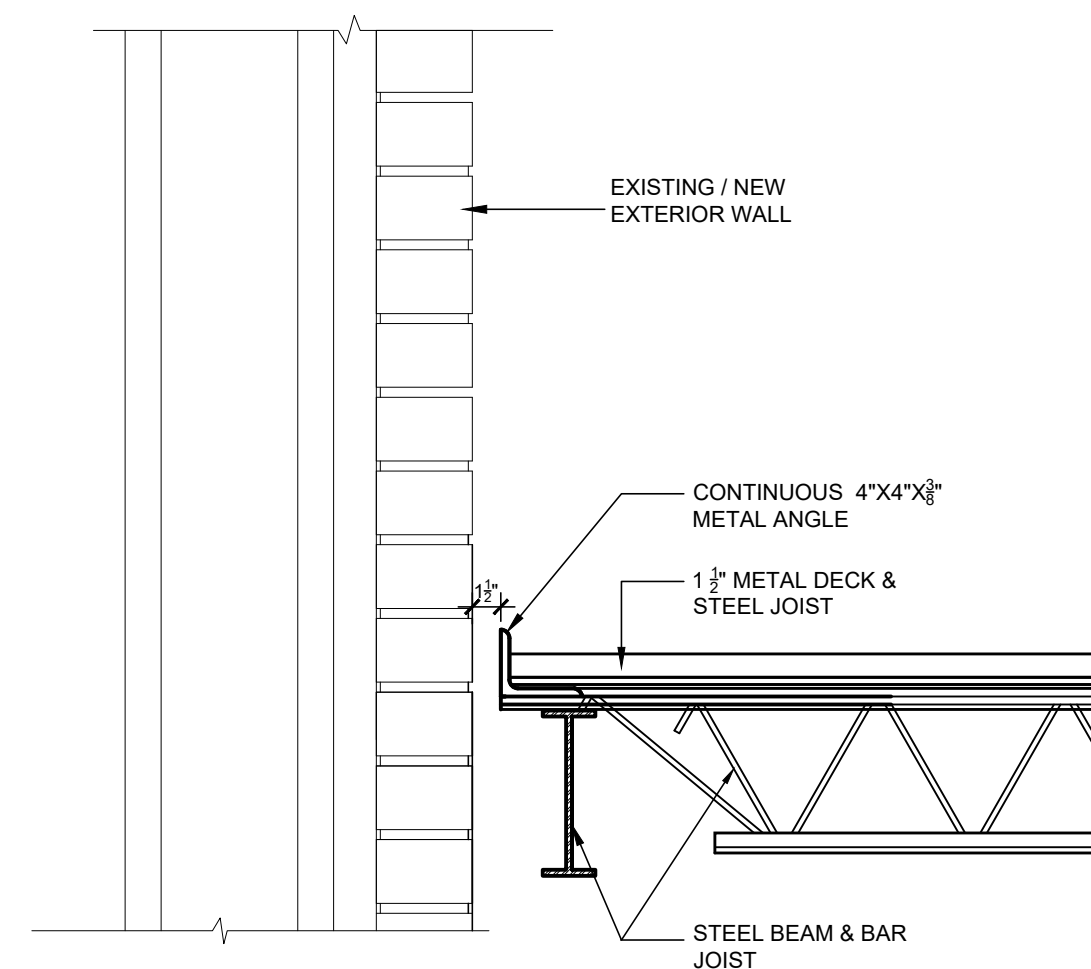
**10 TYP. X BRIDGING SECTION**  
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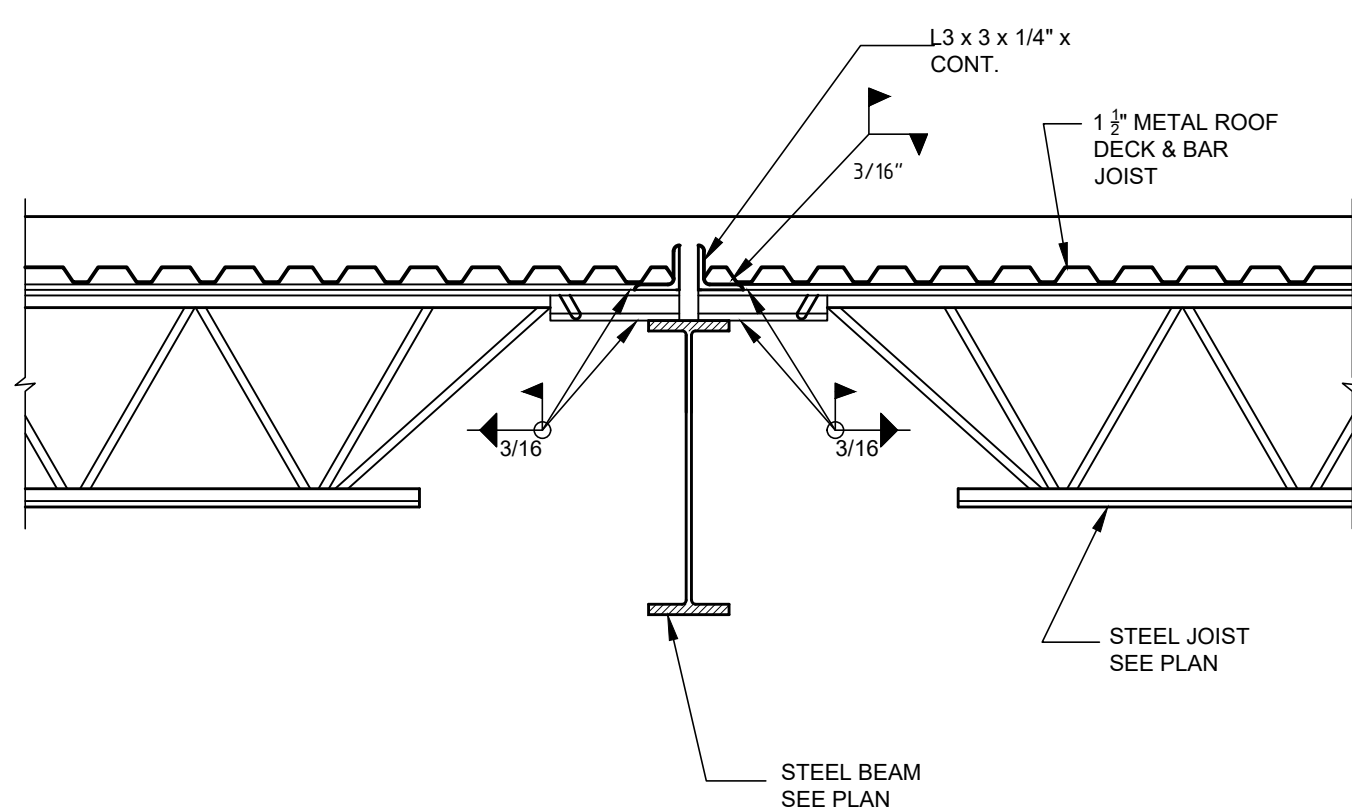
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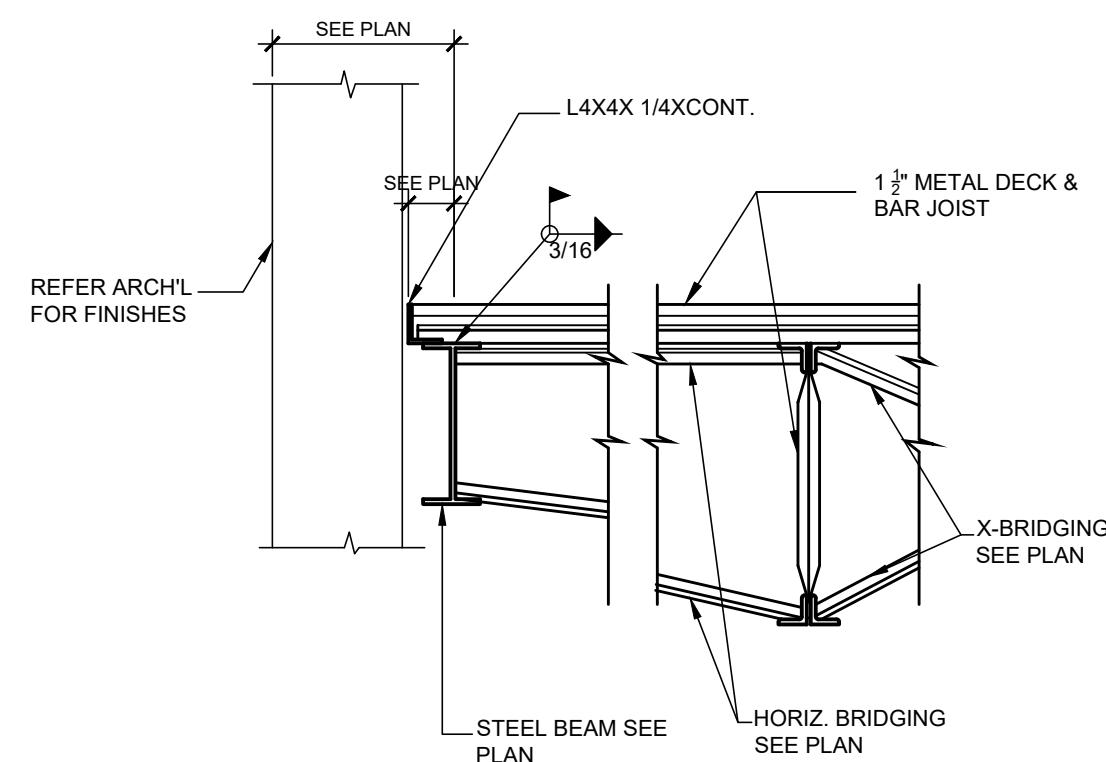
**05 TYPICAL SECTION @ SOFFIT WALL SUPPORT**  
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HALF SCALE: 1/4"=1'-0"



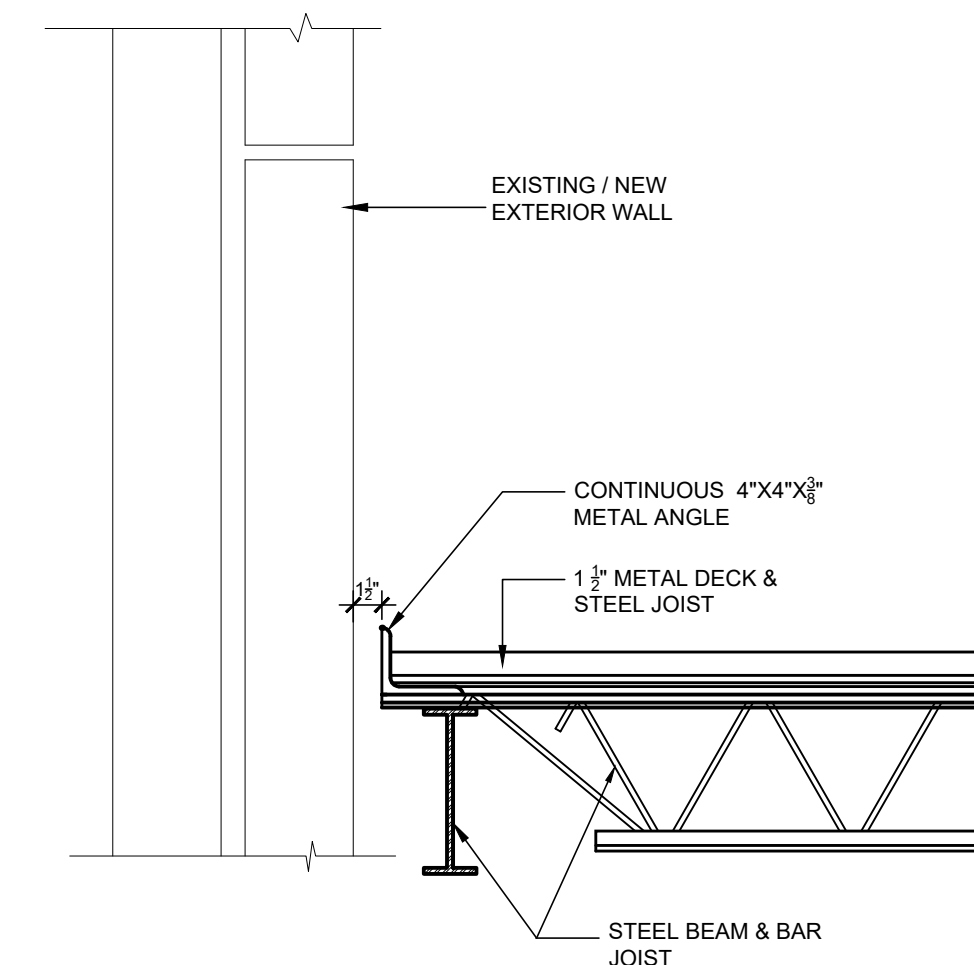
**08 TYPICAL SECTION AT EXPANSION JOINT**  
SCALE: 1/2"=1'-0"  
HALF SCALE: 1/4"=1'-0"



**03 SECTION**  
SCALE: 1/2"=1'-0"  
HALF SCALE: 1/4"=1'-0"



**06 SECTION**  
SCALE: 1/2"=1'-0"  
HALF SCALE: 1/4"=1'-0"



**09 TYPICAL SECTION AT EXPANSION JOINT**  
SCALE: 1/2"=1'-0"  
HALF SCALE: 1/4"=1'-0"

OWNER:  
**DALLAS**  
INDEPENDENT SCHOOL DISTRICT  
DALLAS INDEPENDENT SCHOOL DISTRICT  
9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
ARCHITECTURE-ENGINEERING-CONSTRUCTION-INSPECTIONS  
13140 NORTH COIT ROAD - SUITE 230  
DALLAS, TEXAS 75240  
www.evansassoc.com  
PH: (214) 340-4440 FAX: (214) 340-0203

CONSULTANT:  
**EJES**  
INCORPORATED  
F-2488  
STRUCTURAL ENGINEERS  
12801 N. CENTRAL EXPRESSWAY  
SUITE 700  
DALLAS, TEXAS 75243

CONSULTANT SEAL:

Revisions	Issues

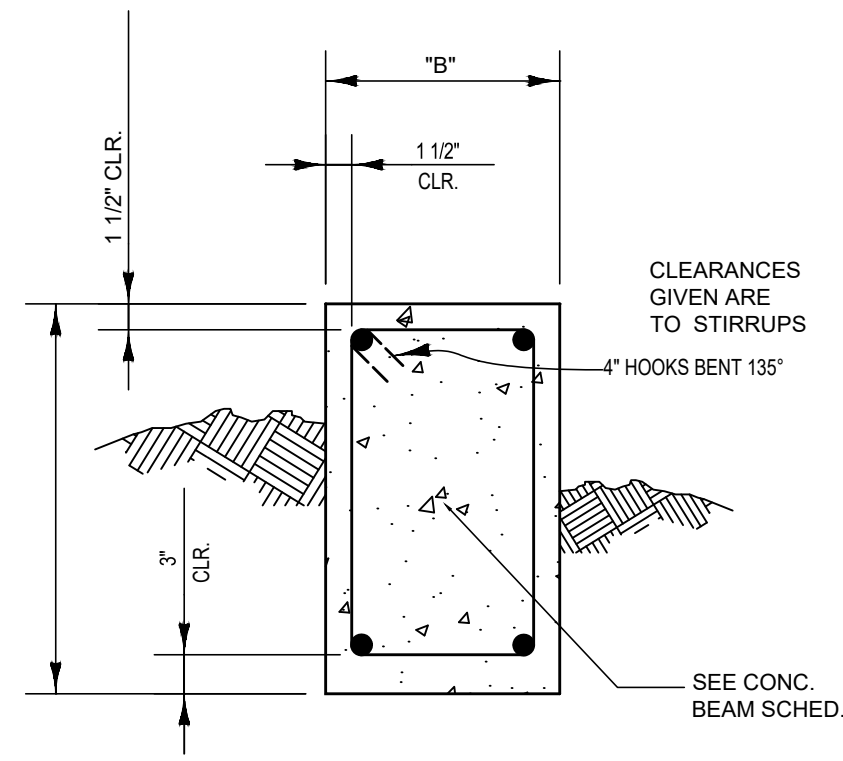
DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
ELEMENTARY SCHOOL RENOVATIONS  
1665 DUNCANVILLE ROAD - DALLAS, TX.



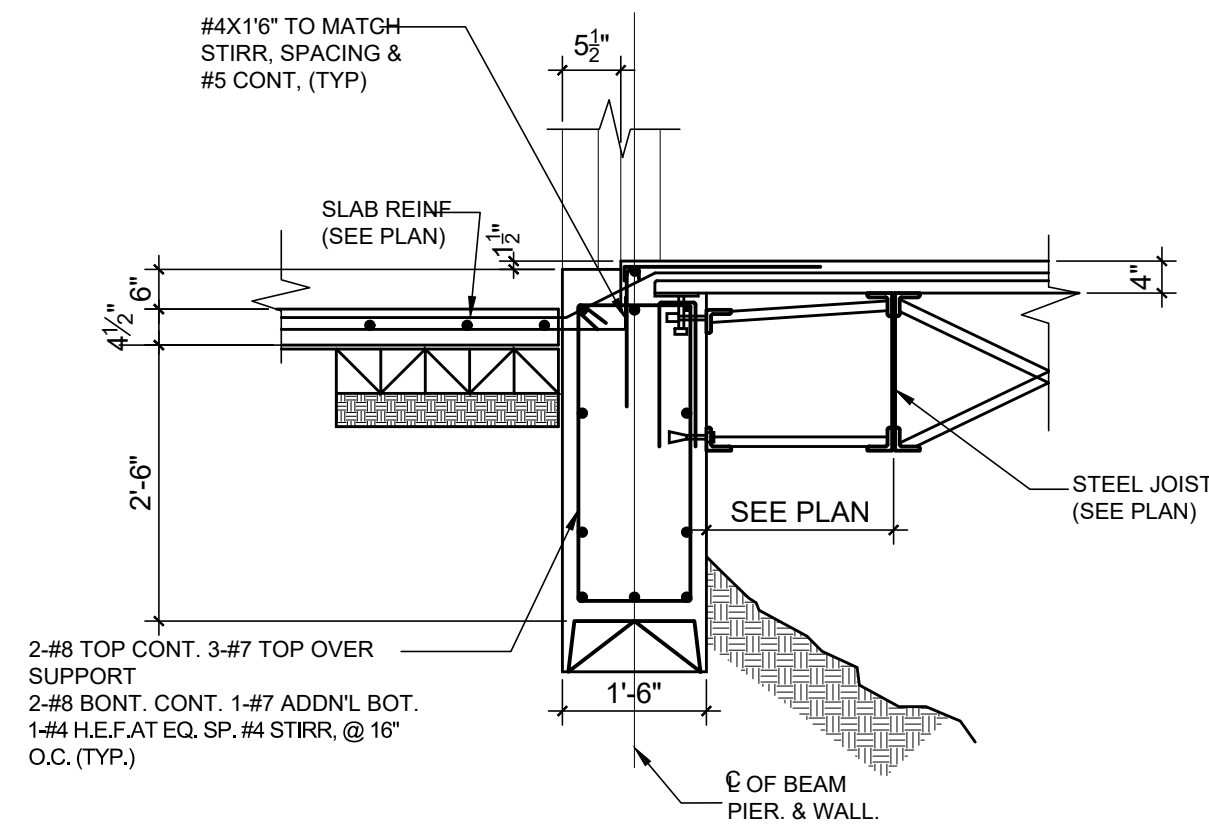
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**STRUCTURAL DETAILS**

Job 1025202  
Date 08-23-2023  
Drawn dn  
Check MG  
PRF  
Sheet **S4.0**  
Of SHEETS

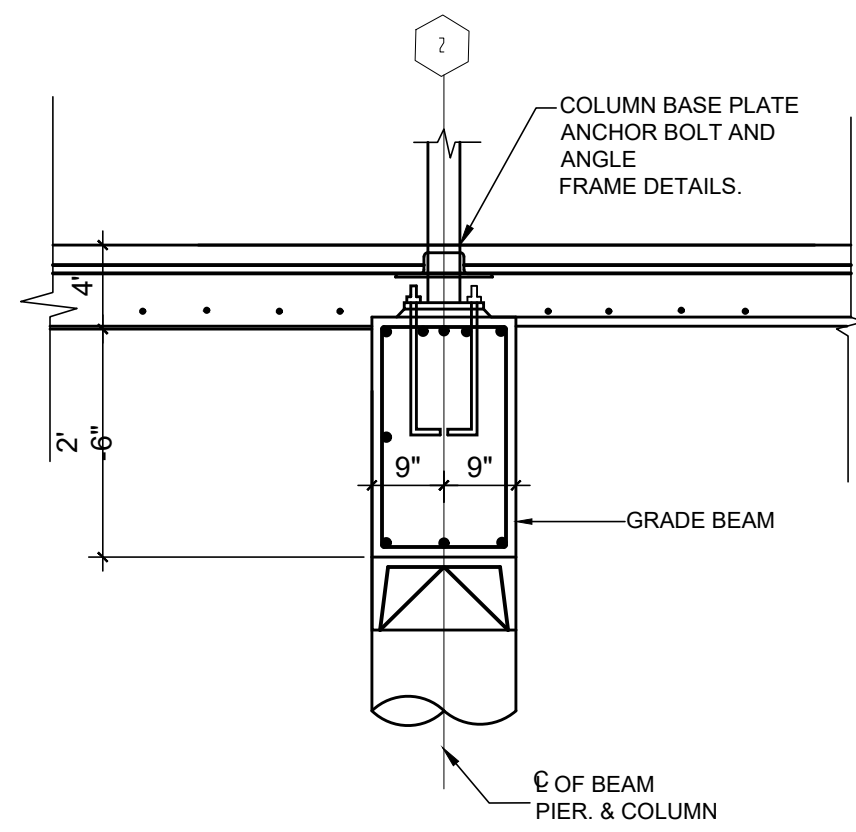




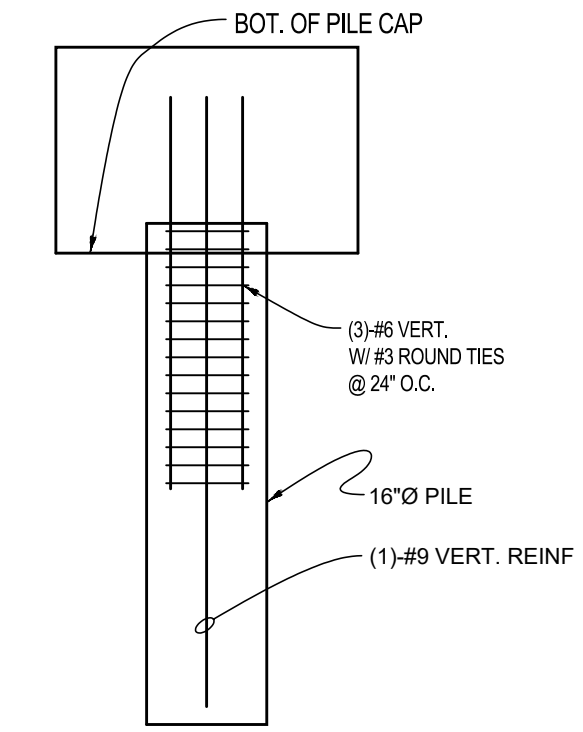
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NOT TO SCALE



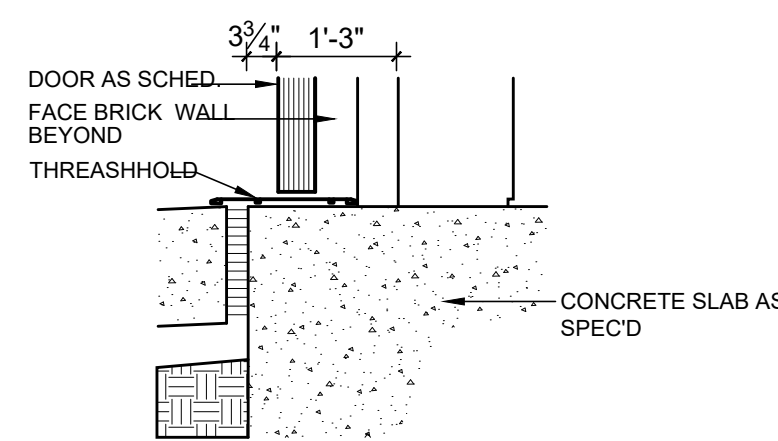
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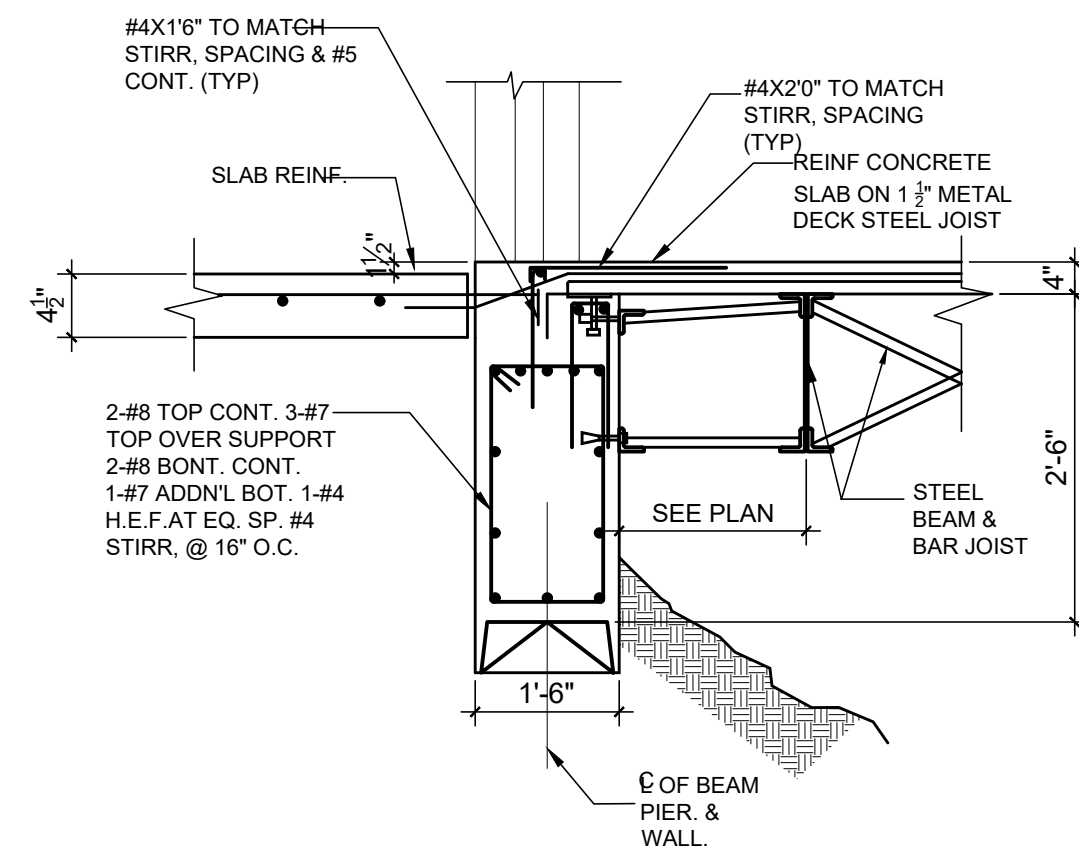
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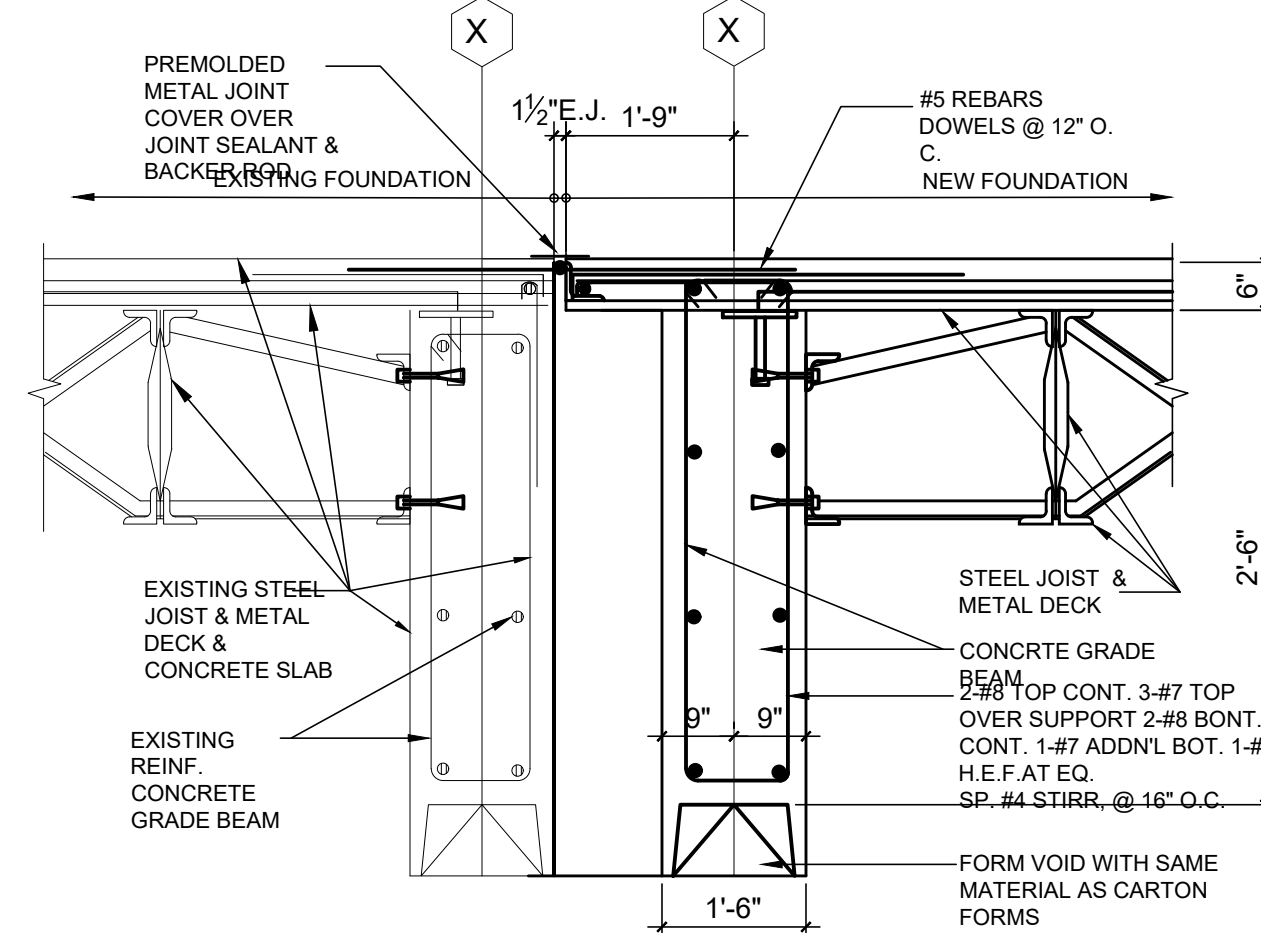
10 **AUGERCAST PILE DETAIL**  
NOT TO SCALE



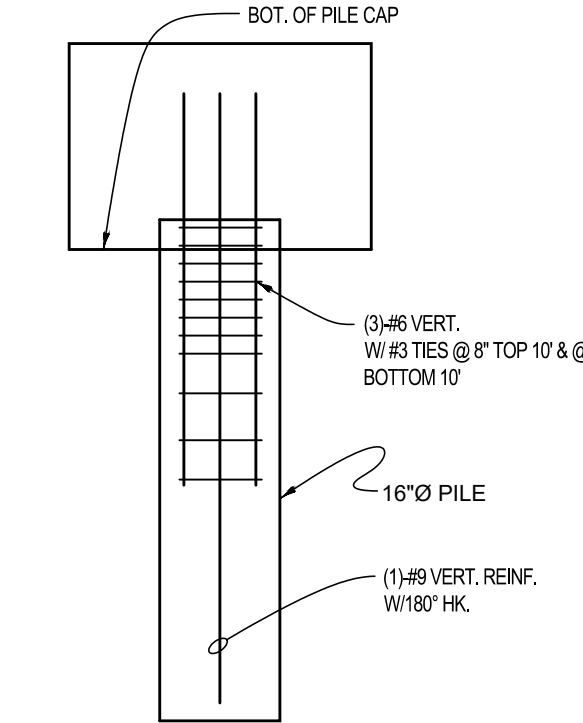
02 **TRESHOLD DETAIL**  
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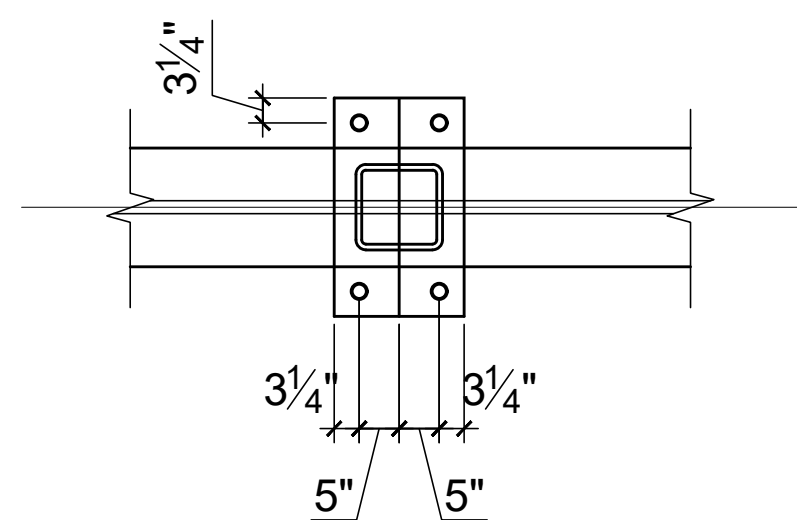
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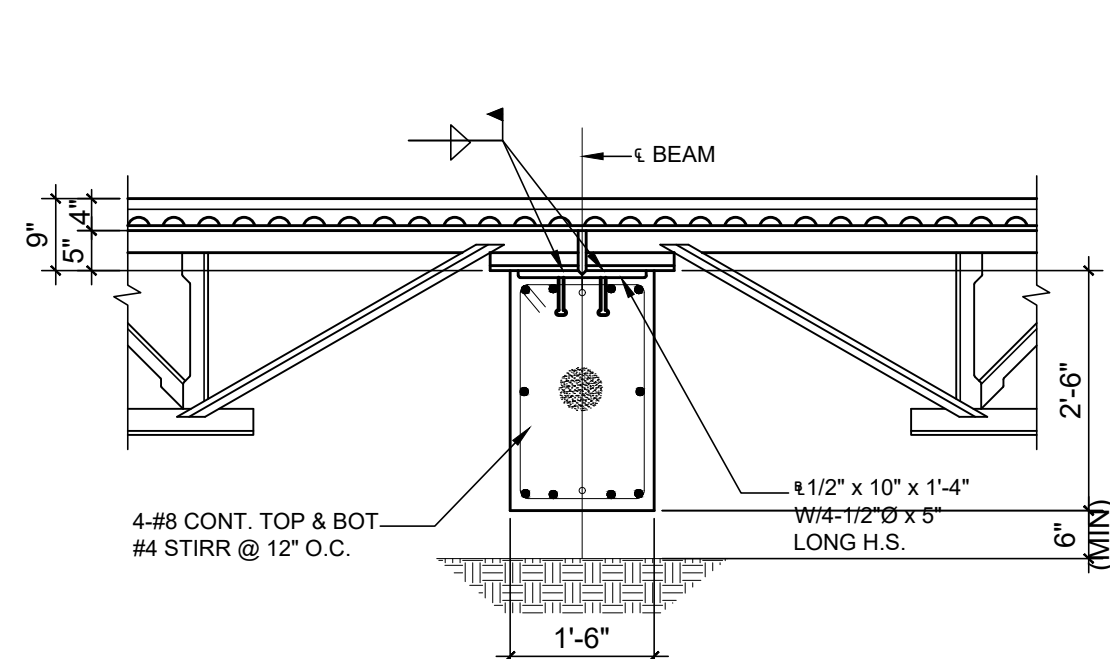
08 **SECTION**  
SCALE: 1/2"=1'-0"  
HALF SCALE: 1/4" = 1'-0"



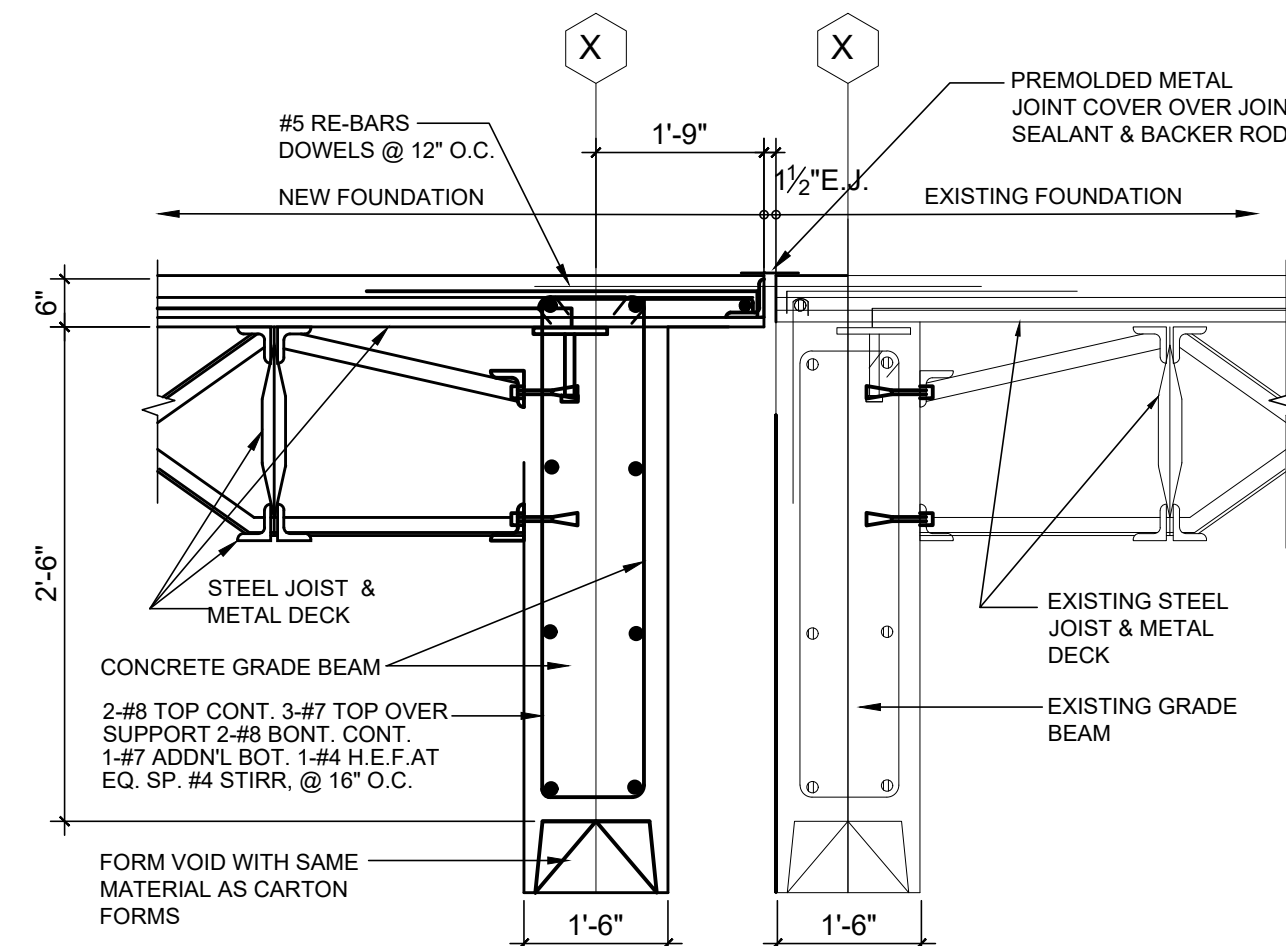
11 **AUGERCAST PILE DETAIL**  
NOT TO SCALE



03 **TYPICAL SECTION COLUMN ANCHOR BOX**  
SCALE: 1/2"=1'-0"  
HALF SCALE: 1/4" = 1'-0"



06 **SECTION**  
SCALE: 1/2"=1'-0"  
HALF SCALE: 1/4" = 1'-0"



09 **SECTION**  
SCALE: 1/2"=1'-0"  
HALF SCALE: 1/4" = 1'-0"



OWNER:  
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INDEPENDENT SCHOOL DISTRICT  
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CONSULTANT SEAL:

Revisions	Issues

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**MARY MCLEOD BETHUNE**  
ELEMENTARY SCHOOL RENOVATIONS  
1665 DUNCANVILLE ROAD - DALLAS, TX.



SHEET NAME:  
**STRUCTURAL DETAILS**

Job 1025202  
Date 08-23-2023  
Drawn dn  
Check MG  
PRF  
Sheet **S5.0**  
Of SHEETS



**Legend of Symbols & Abbreviations**

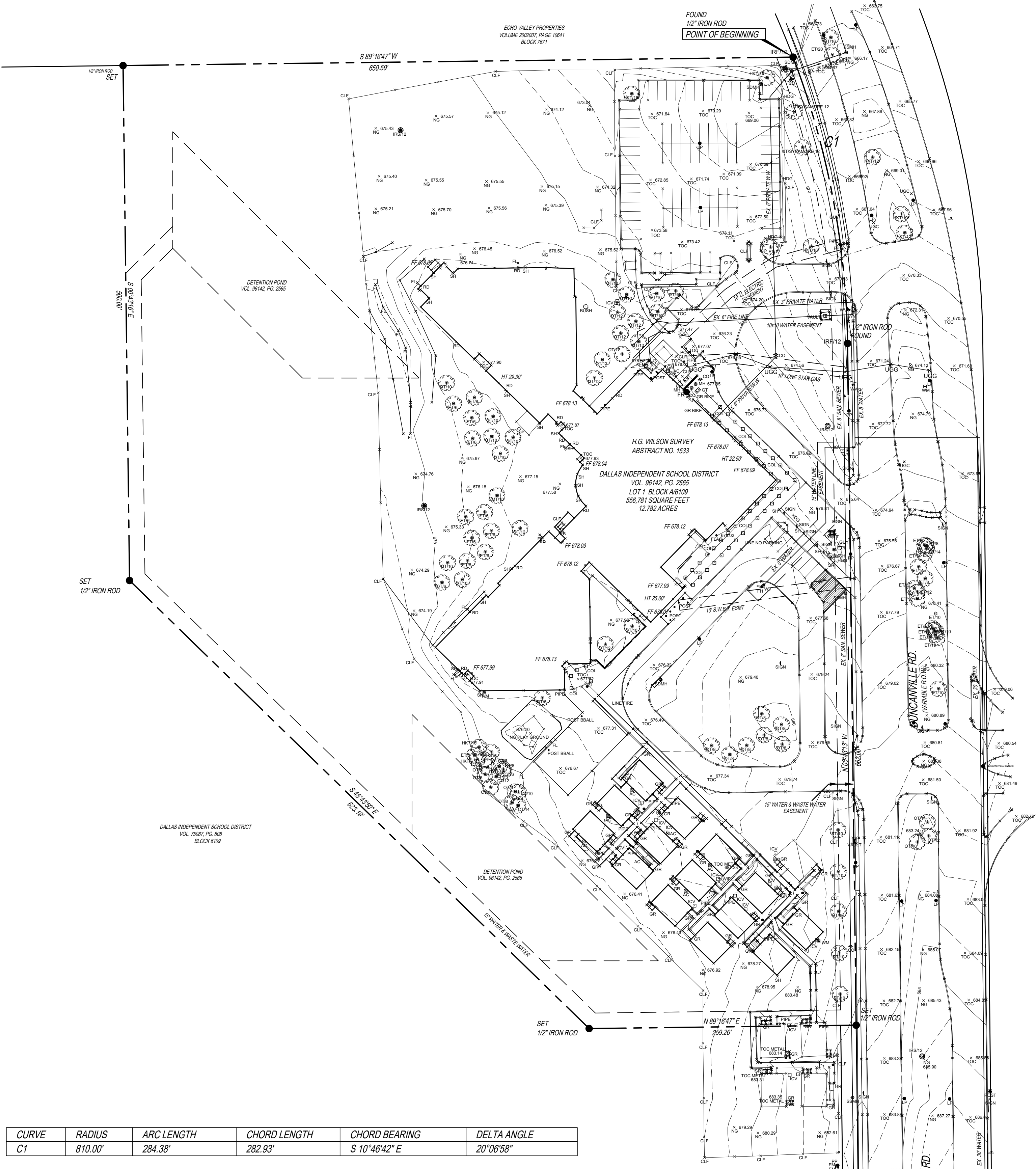
× NG 415.40	NATURAL GROUND	× EOC 415.31	EDGE OF CONCRETE
× CLF 416.35	CHAIN LINK FENCE	× EOA 413.36	EDGE OF ASPHALT
× RD 411.43	ROOF DRAIN	× UGC 422.19	UNDERGROUND CABLE
× WDF 411.43	WOOD FENCE	× UGG 414.27	UNDERGROUND GAS
△ CP 417.19	CONTROL POINT	× UGT 448.12	UNDERGROUND TELEPHONE
× TOC 410.04	TOP OF BANK	⊙ SS MH	SANITARY SEWER MANHOLE
× TB 409.86	TOP OF BANK	⊙ FH	FIRE HYDRANT
× FL 407.79	FLOW LINE	⊙ LID	LID
● PP	POWER POLE	⊙ WV 413.05	WATER VALVE
● LP	LIGHT POLE	× 48" R.C.P.	48" R.C.P.
⊙ CO	CLEANOUT	⊙ EMO MH	ELECTRIC MANHOLE
⊙ WMH	WATER MANHOLE	— 410.34	WALL
⊙ GUY	GUY WIRE	□ TSPB	TRAFFIC SIGNAL BOX
× HDG 407.79	HEDGE	⊙ WM	WATER METER
× TC 410.04	TOP OF CURB	⊙ POST	POST
× G 409.86	GUTTER	⊙ TREE	TREE
⊙ SDMH	STORM MANHOLE	□ EB	ELECTRIC BOX
× TOB 409.86	TOP OF BRICK	□ BO	BUILDING OVERHANG
⊙ OT/12	OAK TREE	□ BM	BENCHMARK
⊙ CMT/12	CREPE MYRTLE TREE	● 1/2" IRS	1/2" IRON ROD SET
× DI 409.86	DROP INLET	× TOA 409.86	TOP OF ASPHALT
× GR 409.86	GUARD RAIL	× TOC 409.86	TOP OF CONCRETE
⊙ FV 413.05	FIRE DEPT WATER VALVE	× WF 409.86	WROUGHT IRON FENCE
⊙ UT/12	UNKNOWN TREE	× HT 29.86	BUILDING HEIGHT
× NFM 409.86	ELECTRIC TRANSFORMER	⊙ SD MH	STORM DRAIN MANHOLE
⊙ COL	COLUMN	⊙ (80" R.O.W.)	RIGHT OF WAY
⊙ ICV	IRRIGATION CONTROL VALVE	⊙ EM	ELECTRIC METER
⊙ AC	AIR CONDITIONING	□ GM	GAS METER
⊙ PNT/12	PINE TREE		
⊙ CT/12	CEDAR TREE		

**FLOOD STATEMENT:** According to Community Panel No. 48113C0365 J, dated August 23, 2001 of the Federal Emergency Management Agency, National Flood Insurance Program Map this property is within Flood Zone "X", which is not a special flood hazard area.

If this site is not within an identified special flood hazard area, this flood statement does not imply that the property and/or structures thereon will be free from flooding or flood damage. On rare occasions, greater floods can and will occur and flood heights may be increased by man-made or natural causes. This statement shall not create liability on the part of the Surveyor.

**GENERAL NOTES:**

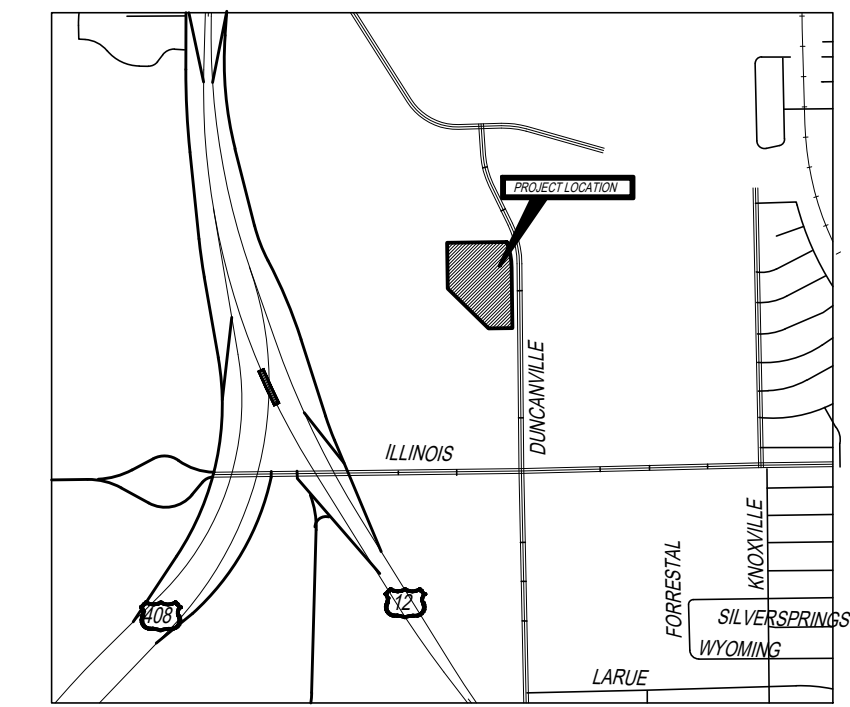
- THE BASIS OF BEARING IS NAD 1983 STATE PLANE COORDINATES, TEXAS NORTH CENTRAL (4202). GEODETIC BEARING ESTABLISHED BY GPS MEASUREMENTS TAKEN ON 4-24-10. SOLUTIONS HAVE BEEN CALCULATED BY THE NATIONAL GEODETIC SURVEY, OPUS WEBSITE.
- BENCHMARK:
  - STANDARD WATER DEPARTMENT BENCHMARK - SQUARE CUT ON CONCRETE CURB WEST END OF MEDIAN AT ENTRANCE TO MOUNTAIN VIEW COLLEGE EAST SIDE OF DUNCANVILLE RD. AND 2,000 FEET NORTH OF ILLINOIS AVE. ELEVATION = 680.72
  - 1/2" IRON ROD SET ON THE WEST SIDE OF DUNCANVILLE ROAD. 338'-4" NORTH FROM THE INTERSECTION OF DUNCANVILLE RD @ MOUNTAIN VIEW MAIN ENTRANCE AND 85'-4" WEST FROM THE CENTERLINE OF DUNCANVILLE RD. ELEVATION = 674.36
- ZONING: ACCORDING TO THE CITY OF DALLAS ZONING DEPARTMENT - MAY 2008, THE SUBJECT PROPERTY IS LOCATED WITHIN R-7.5(A). BECAUSE THERE MAY BE A NEED FOR INTERPRETATION OF THE APPLICABLE ZONING RESTRICTIONS, WE REFER YOU TO THE CITY OF DALLAS, CHAPTER 51A-DALLAS DEVELOPMENT CODE.
- CAUTION!!! UNDERGROUND AND OVERHEAD UTILITIES IN AREA. CONTACT DIGITEST 1-800-DIGITEST (1-800-344-8377) FOR GAS, TELEPHONE, ELECTRIC AND OTHER RELEVANT AUTHORITIES AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.



CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	810.00'	284.38'	282.93'	S 10°46'42" E	20°06'58"

**01 EXISTING SITE SURVEY**

NOTE: THIS IS EXISTING OLD SURVEY PLAN BY OTHERS



VICINITY MAP  
NOT TO SCALE  
MAPSCO PAGE: 52-P

**Legal Description**

Being a 12.782 acre tract or parcel of land situated in City Block A6109 in the H.G. Wilson Survey, Abstract No. 1533, and being all of Lot 1 of the D.I.S.D. 274 Addition, a Addition to the City of Dallas, conveyed to Dallas Independent School District Charles by plat recorded in Volume 96142, Page 2565, of the Plat Records of Dallas County, Texas, and being more particularly described as follows:

**BEGINNING** at a found 1/2 inch iron rod at the intersection of the westerly right-of-way line of Duncanville Road (Variable right-of-way) and the northeast corner of said Lot 1, Block A6109 tract also being the southeast corner of a tract of land conveyed to Echo Valley Properties recorded in Volume 2002007, Page 10841 of the Deed Records of Dallas County, Texas;

**THENCE** in a Southeasterly direction along a curve to the left, having a radius of 810.00 feet, and a central angle of 20°06'58", an arc distance of 284.38, and a chord bearing of South 10°46'42" East, a distance of 282.93 to a four 1/2 inch rod in the west line of said Duncanville Road and the east line of said Lot 1, Block A6109;

**THENCE** South 07°43'13" East, along the westerly right-of-way line of said Duncanville Road a distance of 692.00 feet to a set 1/2 inch rod with a yellow cap stamped "SGI Inc." at the intersection with the westerly right-of-way line of Duncanville Road also being the southeast corner of said Lot 1, Block A6109;

**THENCE** South 89°16'47" West, a distance of 259.26 feet to a set 1/2 inch rod with a yellow cap stamped "SGI Inc." at the intersection with the north line of a tract of land conveyed to Dallas Independent School District, recorded in Volume 75087, Page 808, of the Deed Records of Dallas County, Texas, and being in the south line of said Lot 1, Block A6109;

**THENCE** North 45°43'50" West, a distance of 623.19 feet to a set 1/2 inch rod with a yellow cap stamped "SGI Inc." at the intersection with the east line of said DISD tract, and being in the west line of said Lot 1, Block A6109;

**THENCE** North 00°45'16" West, a distance of 500.00 feet to a set 1/2 inch rod with a yellow cap stamped "SGI Inc." at the intersection with the northeast corner of said DISD tract, and the south line of Echo Valley tract also being the northwest corner of said Lot 1, Block A6109;

**THENCE** North 89°16'47" East, along the north line of said Lot 1, Block A6109 a distance of 650.59 feet to the POINT OF BEGINNING, and containing 556,781 square feet or 12.782 acres, more or less.

**Asbuilt Land Title Survey**

for  
**BETHUNE MARY MCLEOD  
ELEMENTARY SCHOOL**  
1665 DUNCANVILLE RD.  
DALLAS INDEPENDENT SCHOOL DISTRICT  
LOT 1, CITY BLOCK 25/986  
VOLUME 96142, PAGE 2565

**SURVEYOR'S CERTIFICATE**  
I, LOUIS M. SALCEDO, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF TEXAS, DO HEREBY CERTIFY THAT I HAVE PREPARED THIS PLAN FROM AN ACUTAL ON THE GROUND SURVEY OF THE LAND, AND THE MONUMENTS SHOWN THEREON WERE FOUND AND/OR PLACED UNDER MY PERSONAL SUPERVISION IN ACCORDANCE WITH THE PLATTING RULES AND REGULATIONS OF THE CITY PLAN COMMISSION OF THE CITY OF DALLAS, TEXAS.

LOUIS M. SALCEDO  
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 3664

DATE

Registered Surveyor: Louis M. Salcedo  
Registered Land Surveyor No.: 3664  
In the State of: Texas  
Date of Survey: April 24, 2010  
Date of Last Revision: May 26, 2010  
Date Printed: May 26, 2010  
SGI Project No. 10434

**Salcedo Group, Incorporated**  
Civil Engineers - Surveyors  
400 South Zepher Boulevard, Suite No. 1420 - Dallas, Texas 75208  
Phone: (214) 941-9810 Fax: (214) 941-2337 www.salcedogroup.com

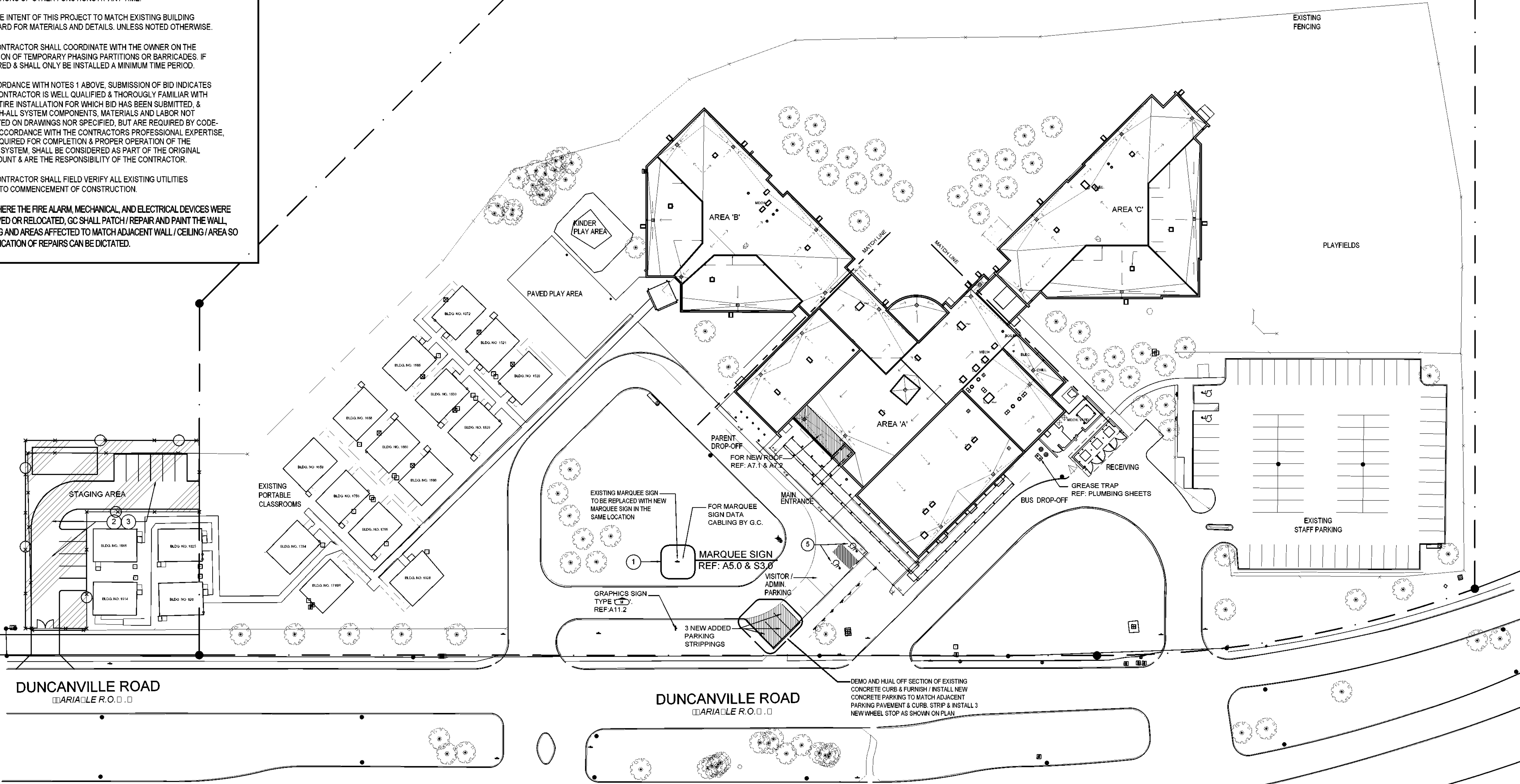


**GENERAL NOTES**

1. ALL WORK, WHETHER A COMPLETELY NEW INSTALLATION OR ALTERATIONS TO EXISTING SYSTEM, SHALL COMPLY WITH ALL GOVERNING STATE & LOCAL ORDINANCES & ALL JURISDICTIONAL AUTHORITIES REQUIREMENTS.
2. ALL WORK SHALL CONFORM TO ALL APPLICABLE CODES, ORDINANCES & STATUTES OF ANY & ALL GOVERNING AGENCIES.
3. THE CONTRACTOR SHALL VISIT THE SITE & COMPLETELY FAMILIARIZE HIMSELF WITH THE SCOPE OF WORK AND EXISTING CONDITIONS
4. THE CONTRACTOR SHALL FIELD VERIFY ACTUAL DIMENSIONS AND EXISTING CONDITION & COORDINATE INCONSISTENCIES WITH THE ARCHITECT/ENGINEER PRIOR TO BID.
5. THE CONTRACTOR SHALL PROTECT ALL EXISTING WORK & ITEMS TO REMAIN. ANY DAMAGE TO EXISTING CONDITIONS OR ANY ALTERATIONS MADE FOR THE PURPOSE OF STAGING NEW CONSTRUCTION SHALL BE REPLACED OR PATCHED TO MATCH EXISTING WORK OR FINISHES.
6. ALL EXISTING ITEMS SCHEDULED FOR DEMOLITION WILL REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL COORDINATE THOSE ITEMS FOR SALVAGE WITH THE OWNER. PROPER SALVAGE INVENTORY SHALL BE MAINTAINED BY THE CONTRACTOR, AND ITEMS RETURNED TO THE OWNER SHALL BE DISTRIBUTED PROPERLY.
7. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INSURE THAT NEW CONSTRUCTION IN NO WAY INTERRUPTS OPERATIONS OF OTHER FUNCTIONS AT ANY TIME.
8. IT IS THE INTENT OF THIS PROJECT TO MATCH EXISTING BUILDING STANDARD FOR MATERIALS AND DETAILS. UNLESS NOTED OTHERWISE.
9. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER ON THE ERECTION OF TEMPORARY PHASING PARTITIONS OR BARRICADES. IF REQUIRED & SHALL ONLY BE INSTALLED A MINIMUM TIME PERIOD.
10. IN ACCORDANCE WITH NOTES 1 ABOVE, SUBMISSION OF BID INDICATES THAT CONTRACTOR IS WELL QUALIFIED & THOROUGHLY FAMILIAR WITH THE ENTIRE INSTALLATION FOR WHICH BID HAS BEEN SUBMITTED, & AS SUCH ALL SYSTEM COMPONENTS, MATERIALS AND LABOR NOT INDICATED ON DRAWINGS NOR SPECIFIED, BUT ARE REQUIRED BY CODE OR IN ACCORDANCE WITH THE CONTRACTORS PROFESSIONAL EXPERTISE, ARE REQUIRED FOR COMPLETION & PROPER OPERATION OF THE ENTIRE SYSTEM, SHALL BE CONSIDERED AS PART OF THE ORIGINAL BID AMOUNT & ARE THE RESPONSIBILITY OF THE CONTRACTOR.
11. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
12. ANYWHERE THE FIRE ALARM, MECHANICAL, AND ELECTRICAL DEVICES WERE REMOVED OR RELOCATED, GC SHALL PATCH / REPAIR AND PAINT THE WALL, CEILING AND AREAS AFFECTED TO MATCH ADJACENT WALL / CEILING / AREA SO NO INDICATION OF REPAIRS CAN BE DICTATED.

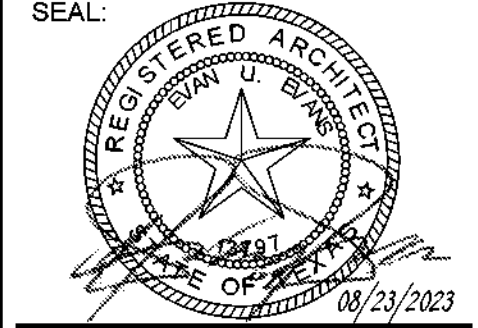
**KEYED NOTES**

1. MARQUEE SIGN LOCATION TO BE FIELD VERIFIED AND CONFIRMED WITH DRAWINGS & DISD BY CONTRACTOR BEFORE COMMENCEMENT OF INSTALLATION. REFER TO SHEET A5.0 FOR MARQUEE SIGN PLAN, SECTION & DETAILS
2. LIGHT POLE FIXTURES TO BE REPLACED WITH LED LIGHT FIXTURES. REFERENCE ELECTRICAL SHEETS FOR LIGHT POLE LOCATIONS AND TYPES.
3. REFER TO SHADED AREA ON THIS SITE PLAN FOR STAGING AREA LOCATION. UPON COMPLETION OF ALL RELATED CONSTRUCTION ACTIVITIES FOR THE PROJECT, CONTRACTOR SHALL REMOVE ALL DEBRIS, BUILDINGS, STORED MATERIALS, EQUIPMENTS, FENCING AND FENCING MATERIALS IN THE STAGING AREA AND RETURN THE AREA, LANDSCAPING AND FENCING PROFILE TO EXISTING CONDITIONS PRIOR TO UTILIZATION OF AREA AS A STAGING AREA.
4. REFERENCE PHASING PLAN SHEET NO. G1.3 FOR PHASING CONSTRUCTION PHASING PLAN, PORTABLES PROPOSED TO BE USED AS SWING SPACES DURING CONSTRUCTION.
5. CONTRACTOR SHALL VERIFY THAT HANDICAP PARKING(S) ARE IN GOOD CONDITION AND UP TO STANDARD PER DISD / TDLR / CITY CODES AND REQUIREMENTS. REFER TO SHEET A1.1 FOR DETAILS.



OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 DALLAS INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

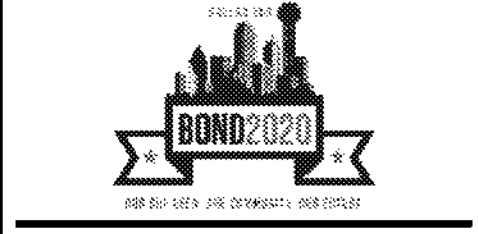
ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
 ARCHITECTURE - ENGINEERING - CONSTRUCTION - INSPECTIONS  
 13140 NORTH COIT ROAD - SUITE 230  
 DALLAS, TEXAS 75240  
 WWW.EVANSASSOCIATES.COM  
 PH: (214) 340-4440  
 FAX: (214) 340-0203



CONSULTANT SEAL:

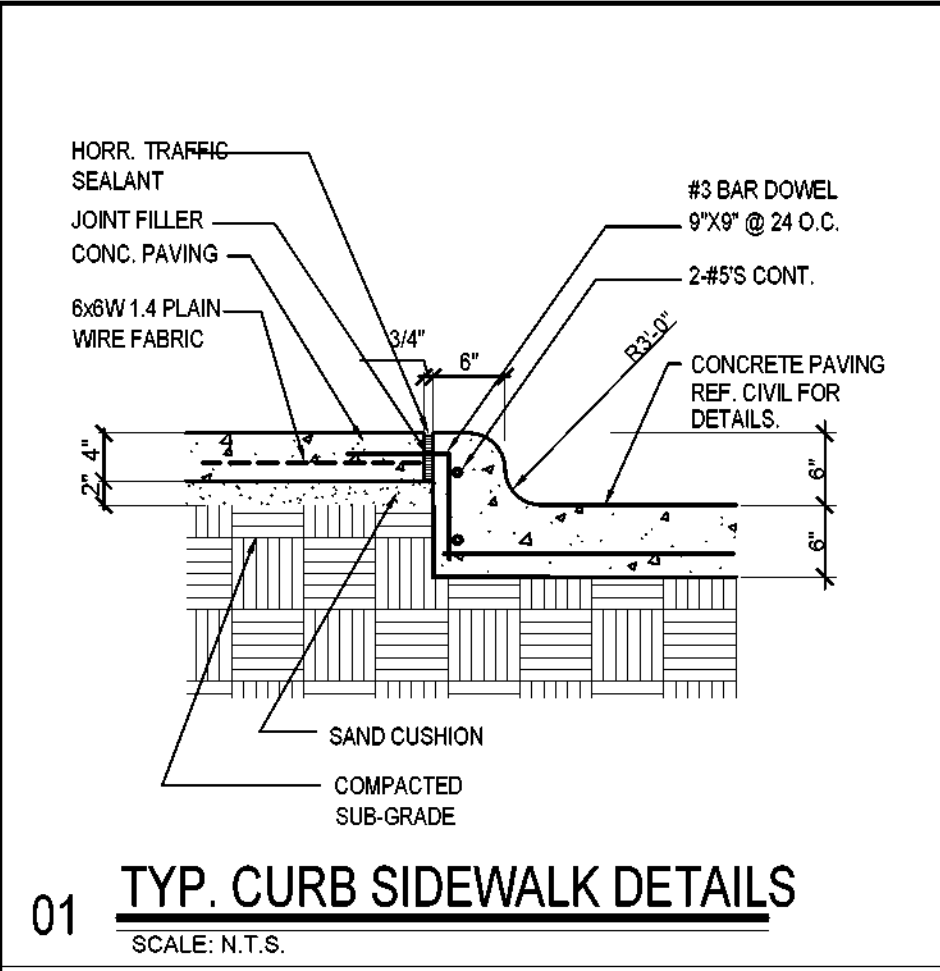
Revisions	Issues
△ XXX/XX/XXXX	○ 2 XXX

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

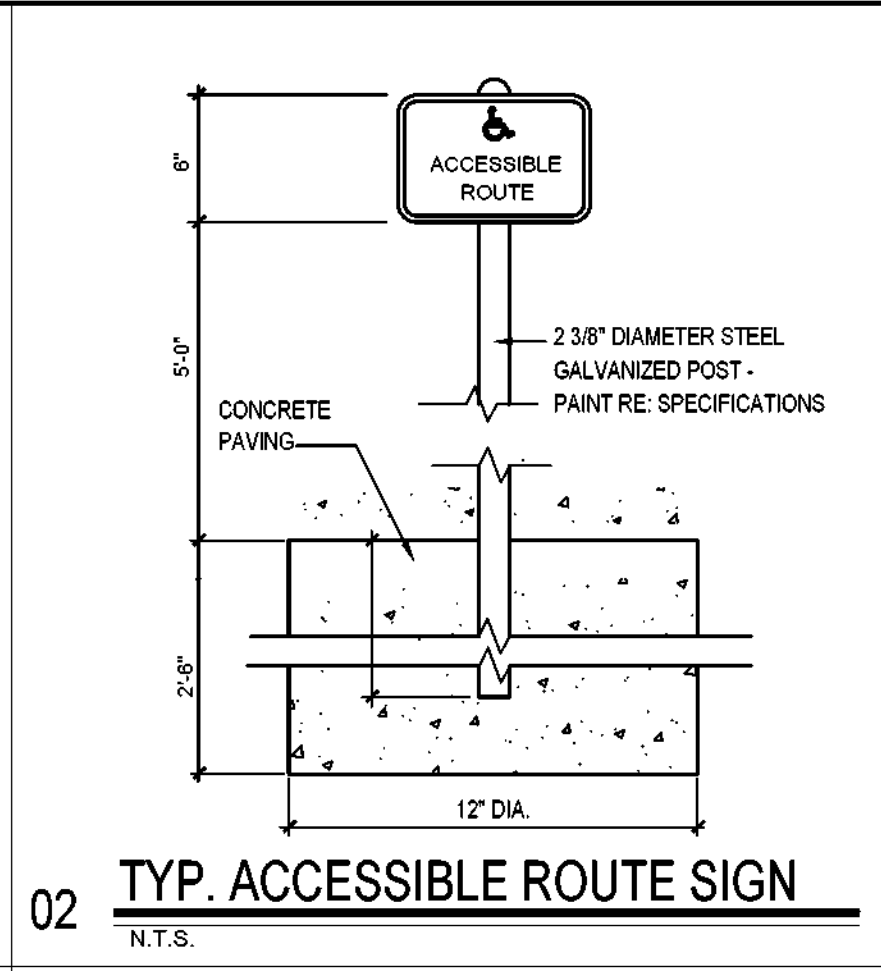


SHEET NAME:  
**SITE PLAN WITH ROOF PLAN**

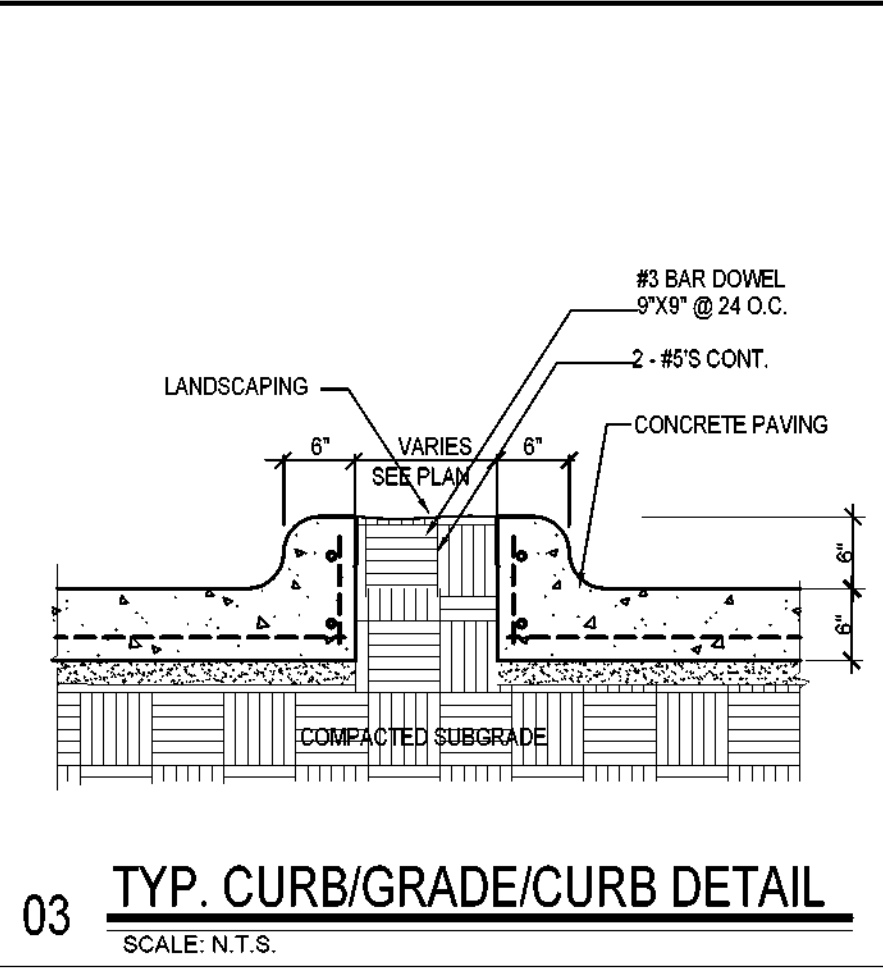
Job 1025202  
 Date 08-23-2023  
 Drawn de  
 Check EE  
 PRF  
 Sheet **A1.0**  
 Of SHEETS



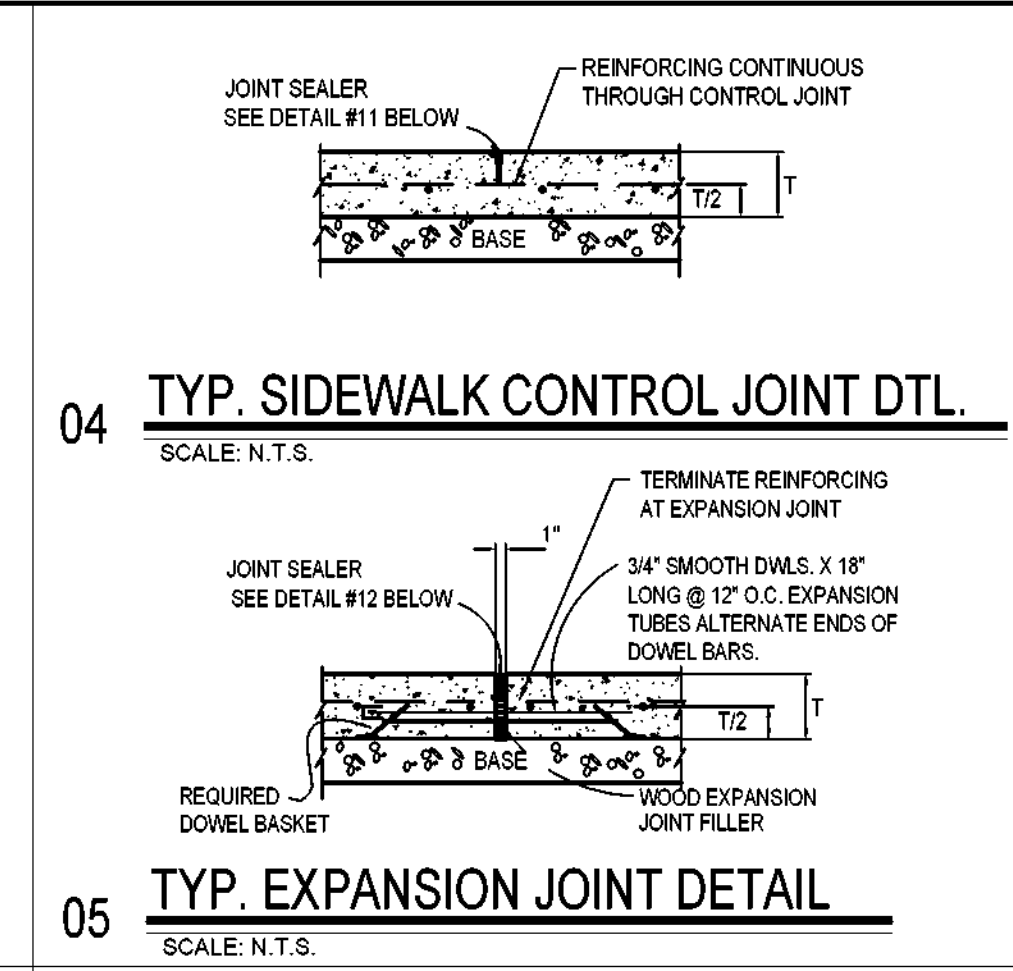
01 TYP. CURB SIDEWALK DETAILS  
SCALE: N.T.S.



02 TYP. ACCESSIBLE ROUTE SIGN  
N.T.S.

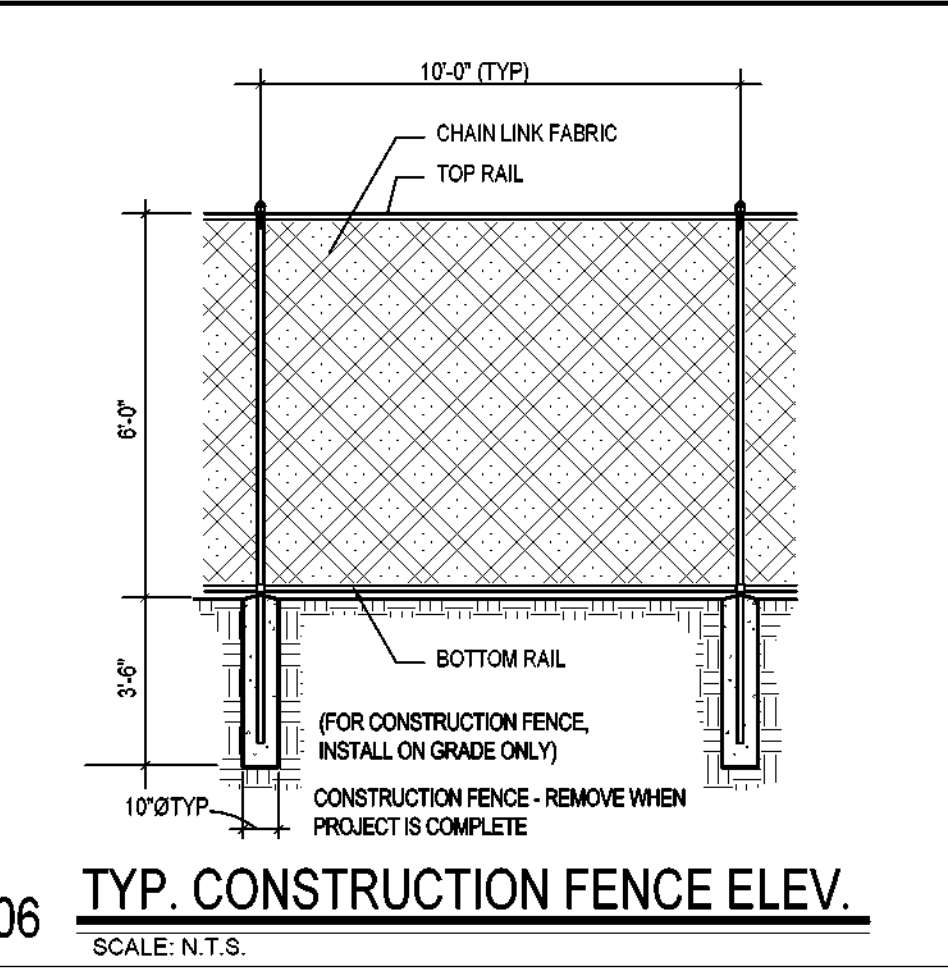


03 TYP. CURB/GRADE/CURB DETAIL  
SCALE: N.T.S.

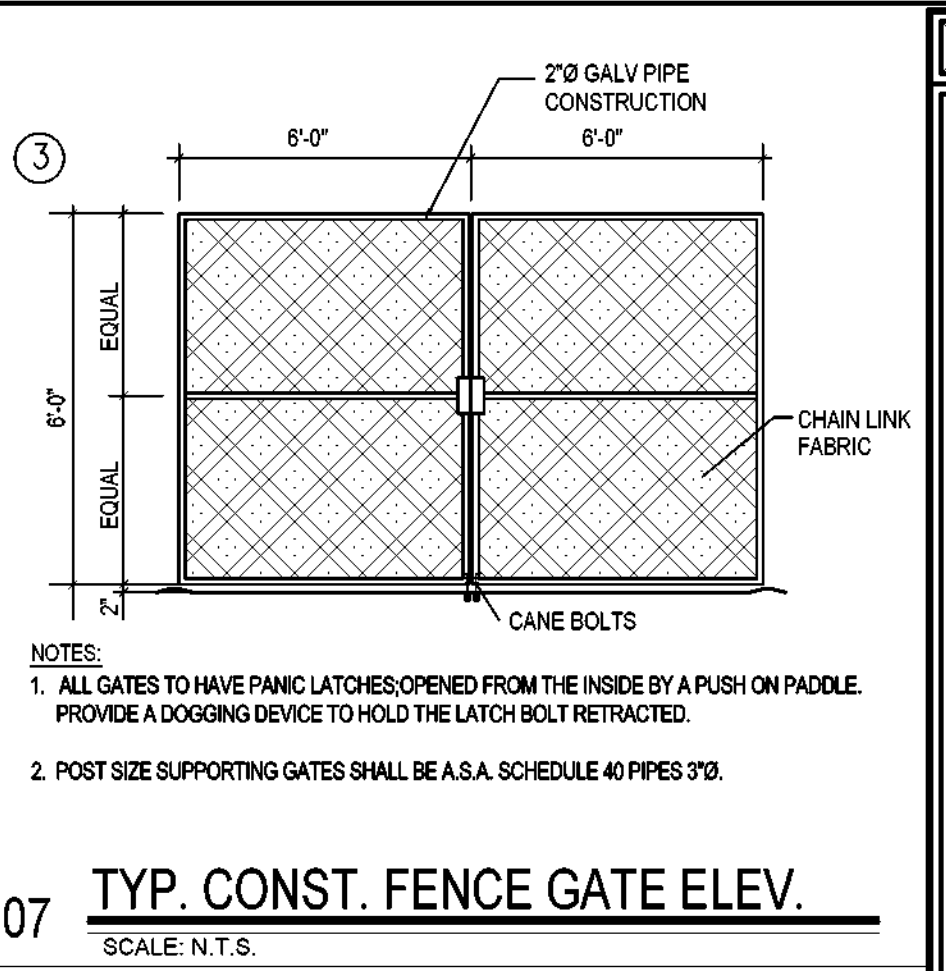


04 TYP. SIDEWALK CONTROL JOINT DTL.  
SCALE: N.T.S.

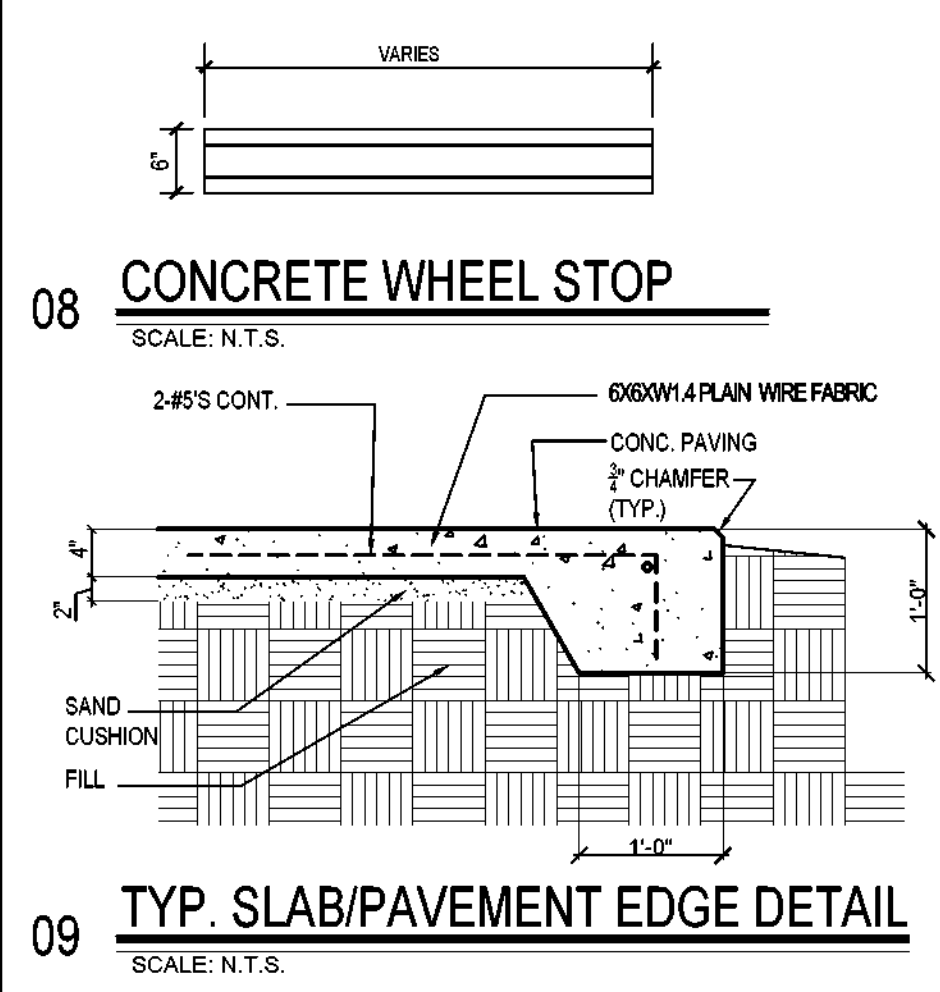
05 TYP. EXPANSION JOINT DETAIL  
SCALE: N.T.S.



06 TYP. CONSTRUCTION FENCE ELEV.  
SCALE: N.T.S.



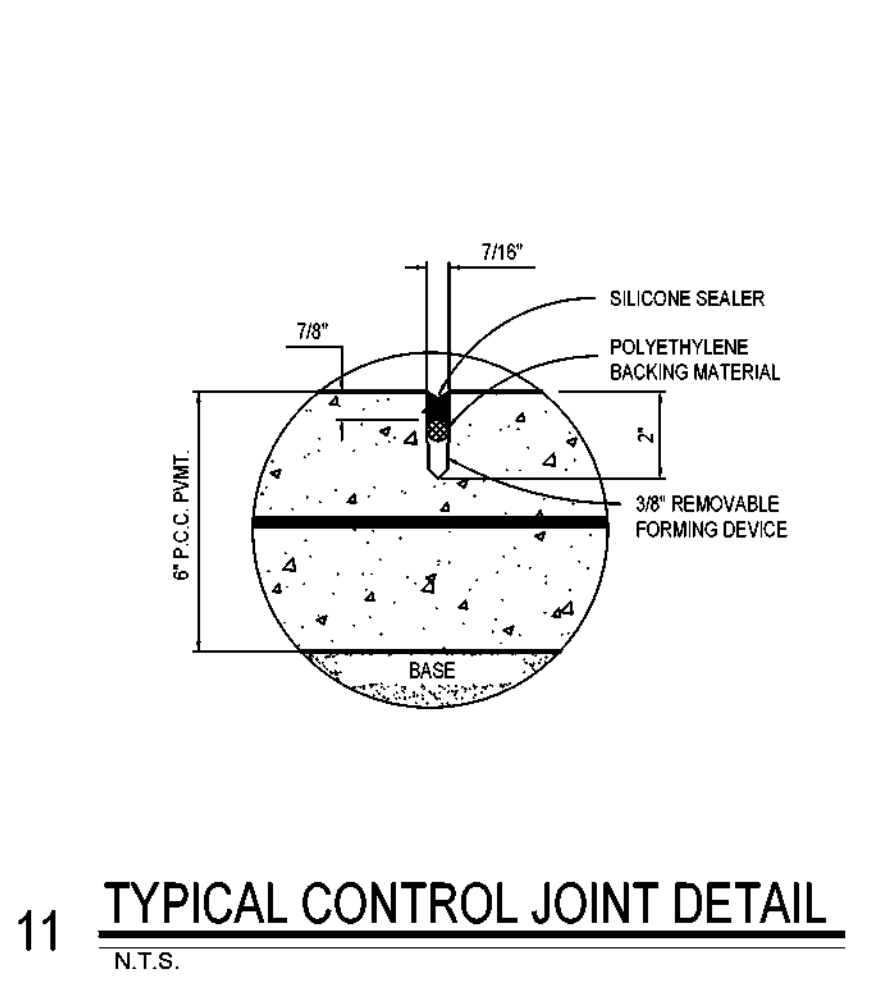
07 TYP. CONST. FENCE GATE ELEV.  
SCALE: N.T.S.



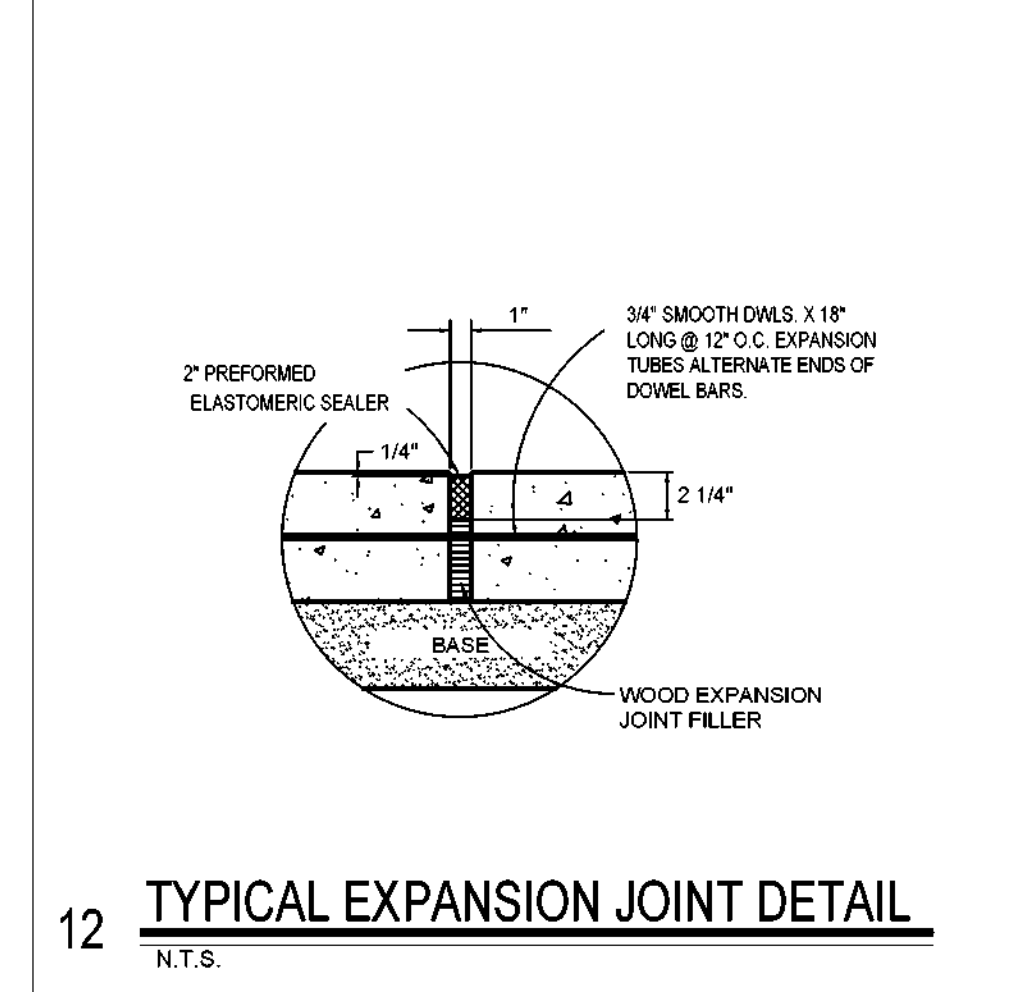
08 CONCRETE WHEEL STOP  
SCALE: N.T.S.

PAVEMENT NOTES

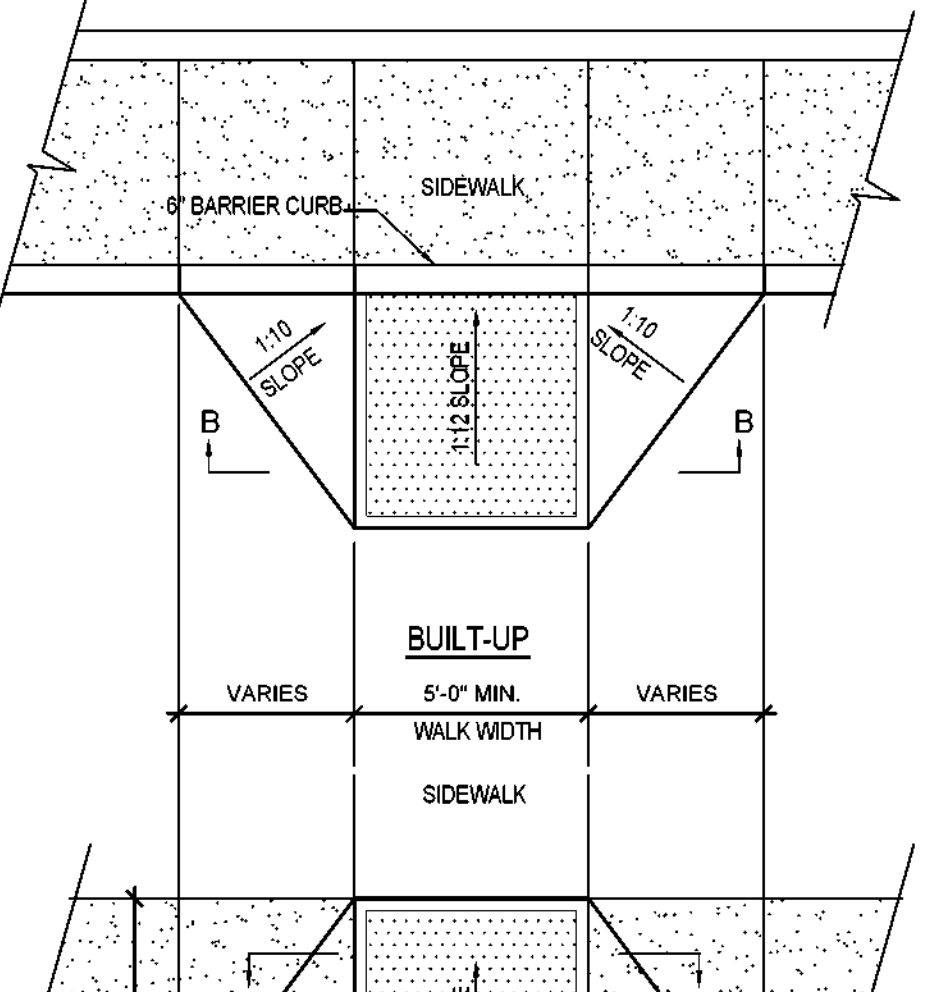
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LIGHT DRIVES	6"	6"
LIGHT PARKING	4"	6"



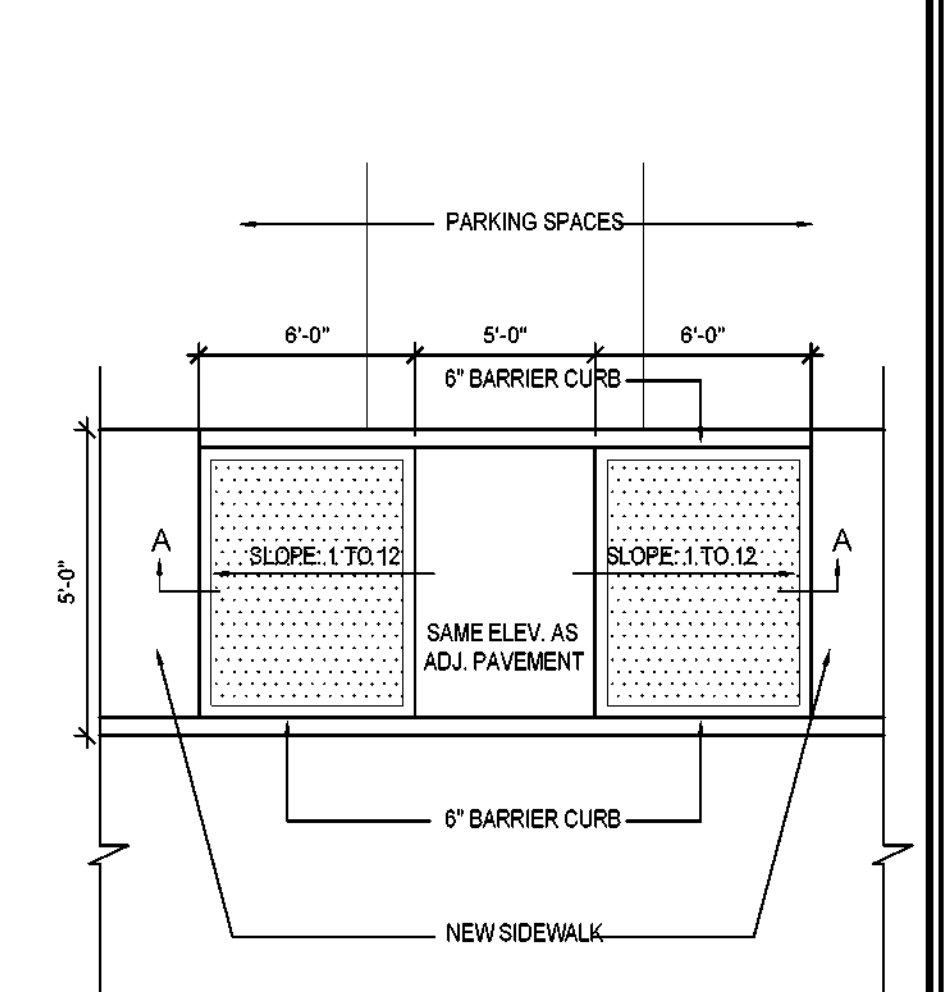
11 TYPICAL CONTROL JOINT DETAIL  
N.T.S.



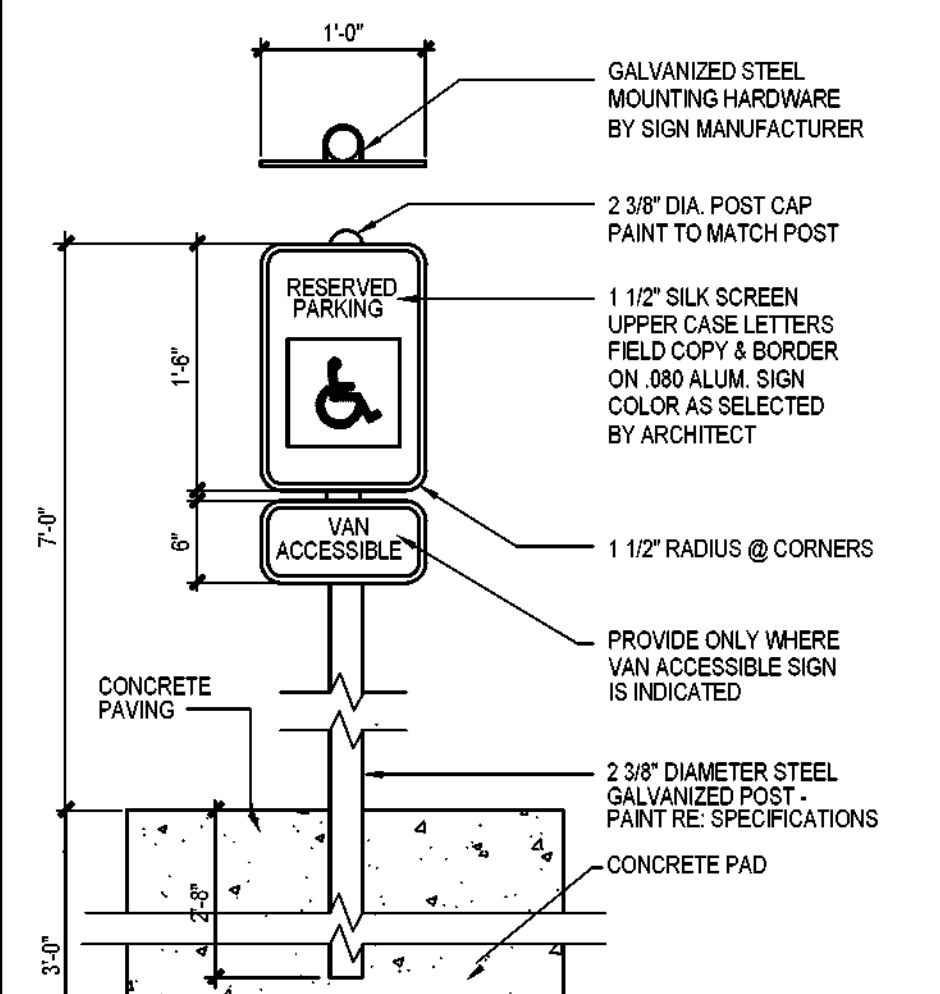
12 TYPICAL EXPANSION JOINT DETAIL  
N.T.S.



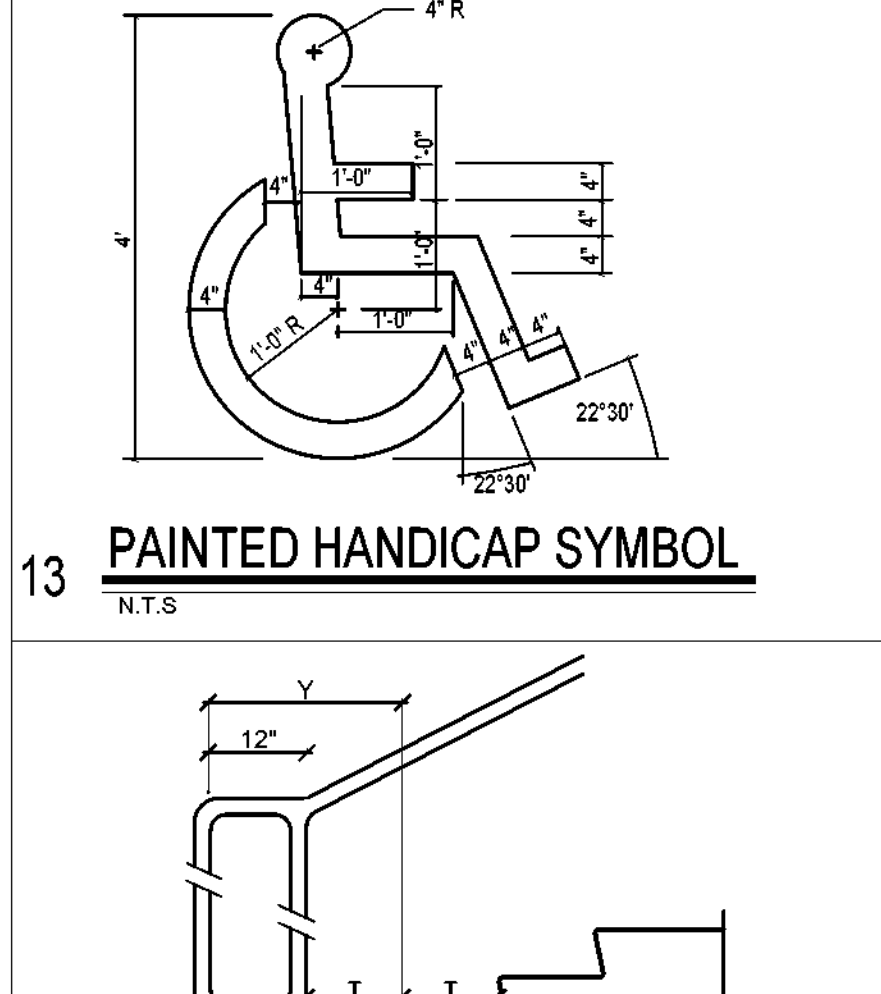
18 TYP. CURB RAMP PLAN/SECTION  
SCALE: N.T.S.



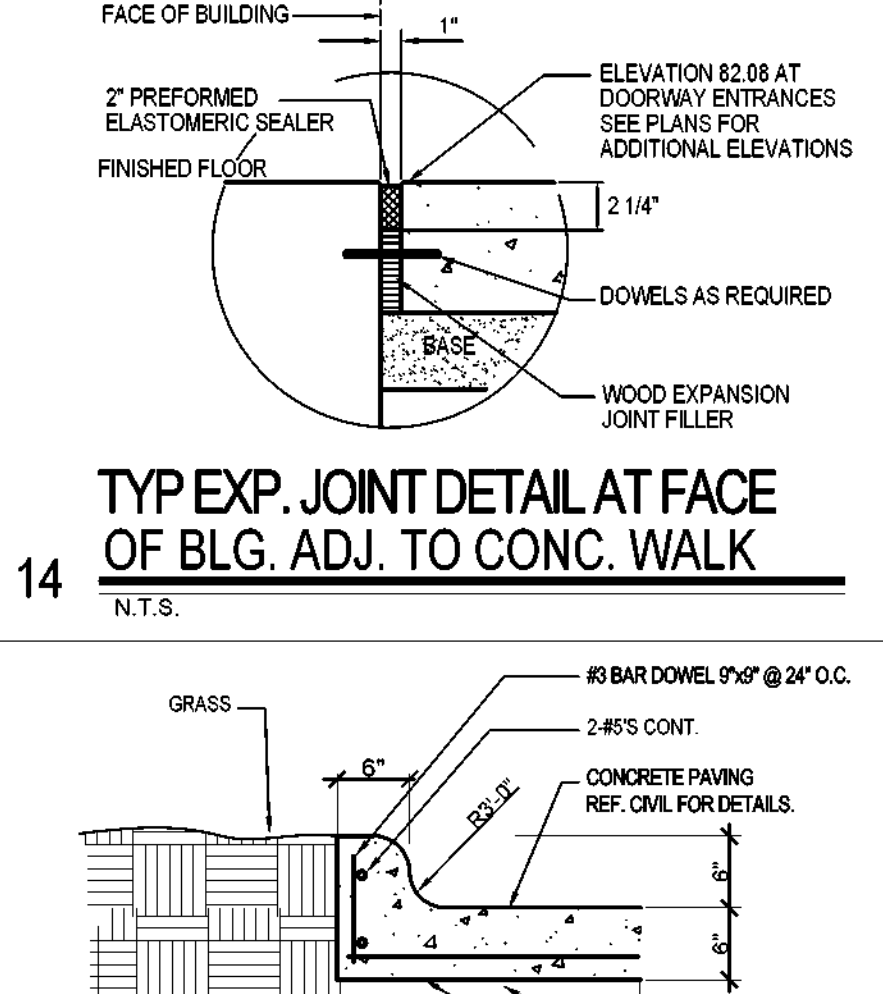
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SCALE: N.T.S.



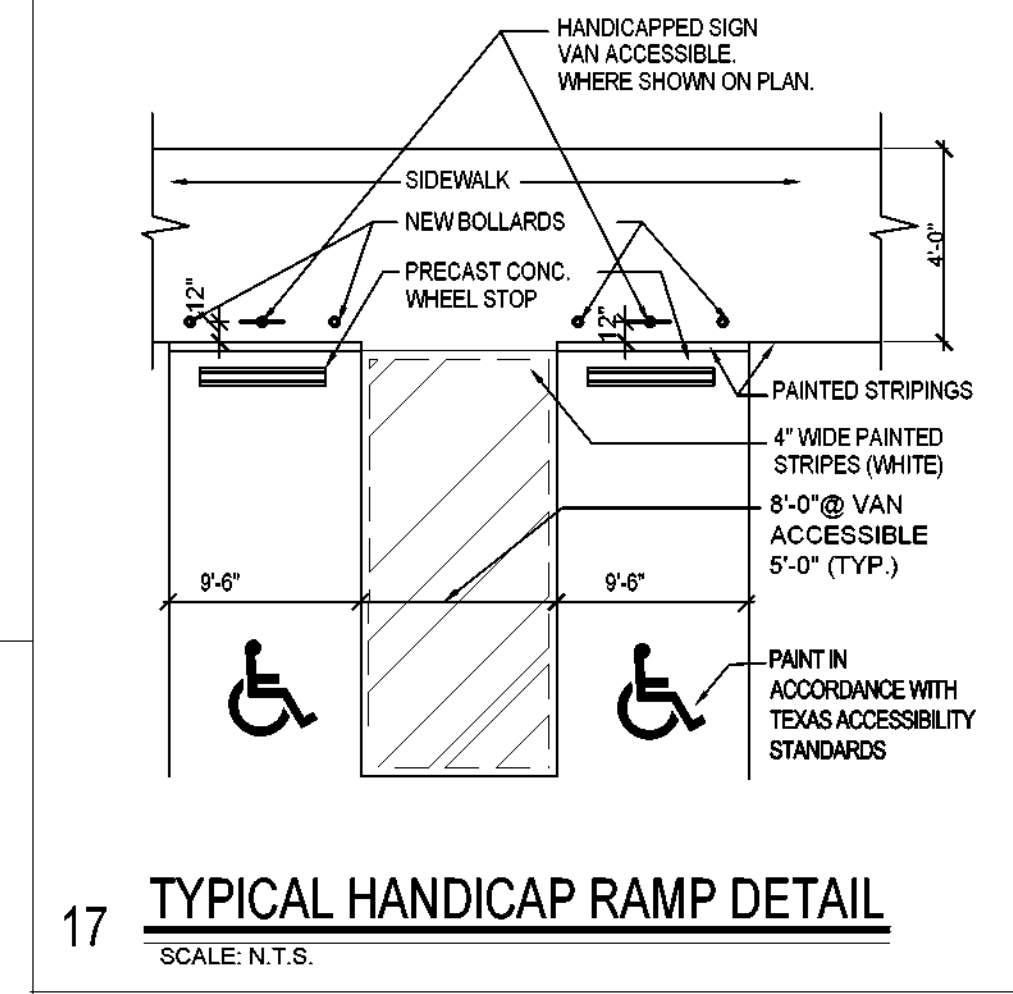
15 TYPICAL HANDICAP SIGN  
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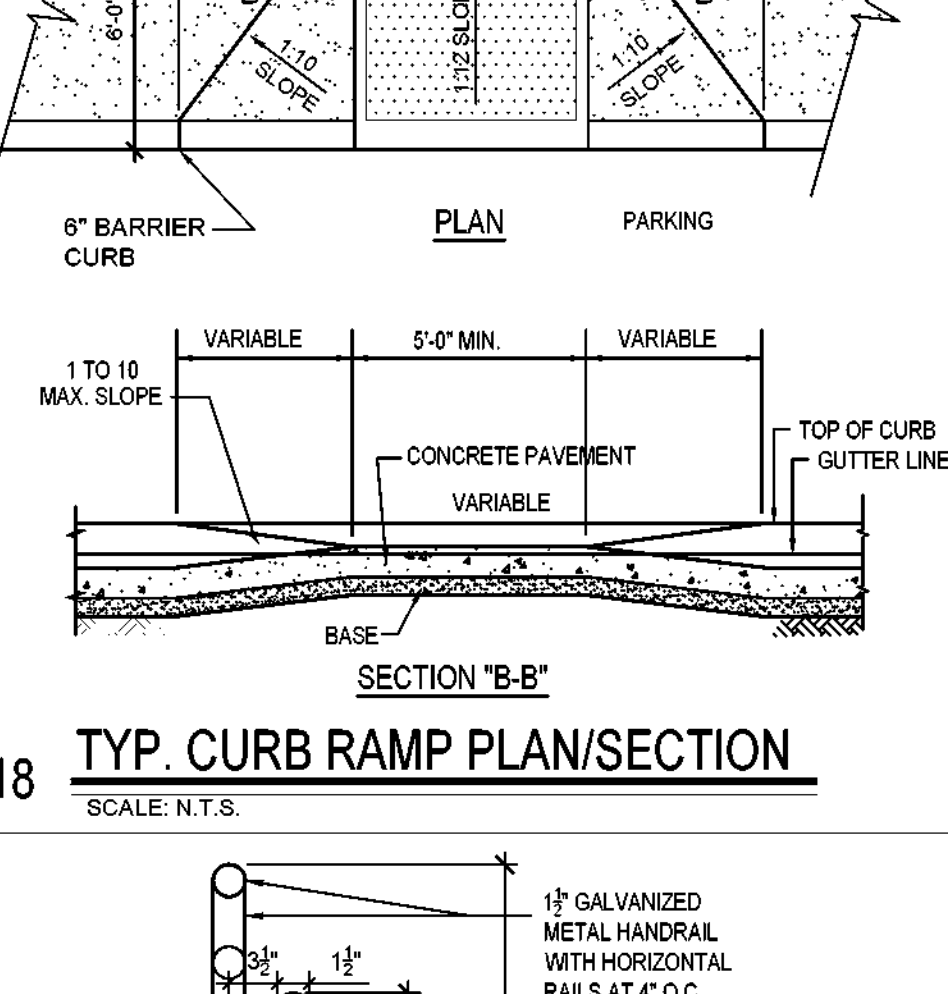
13 PAINTED HANDICAP SYMBOL  
N.T.S.



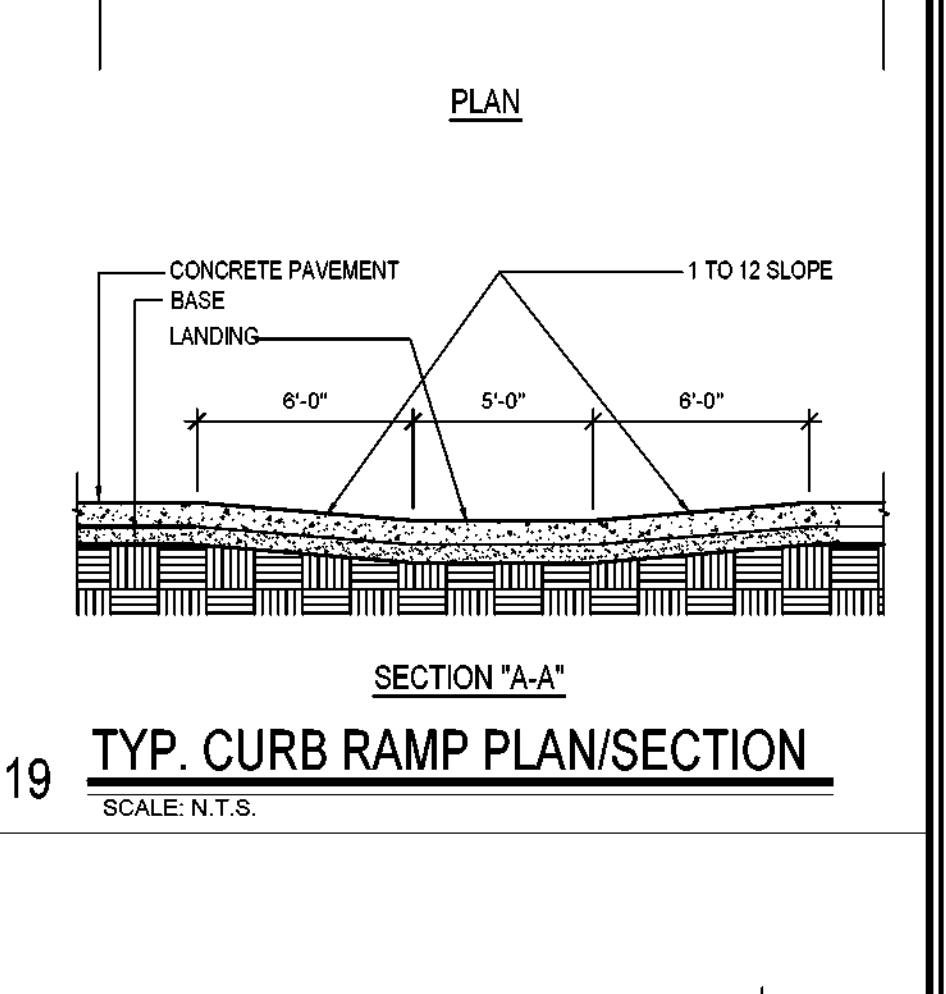
14 TYP EXP. JOINT DETAIL AT FACE OF BLDG. ADJ. TO CONC. WALK  
N.T.S.



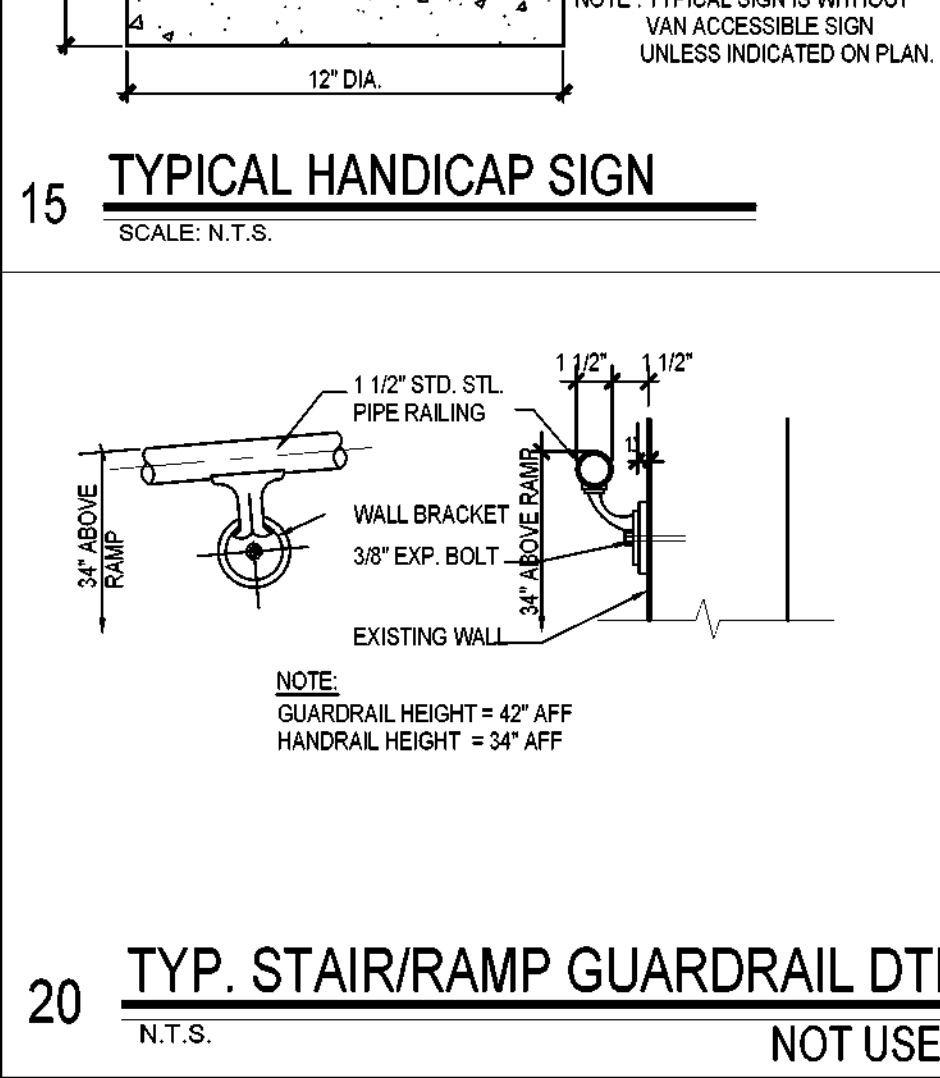
17 TYPICAL HANDICAP RAMP DETAIL  
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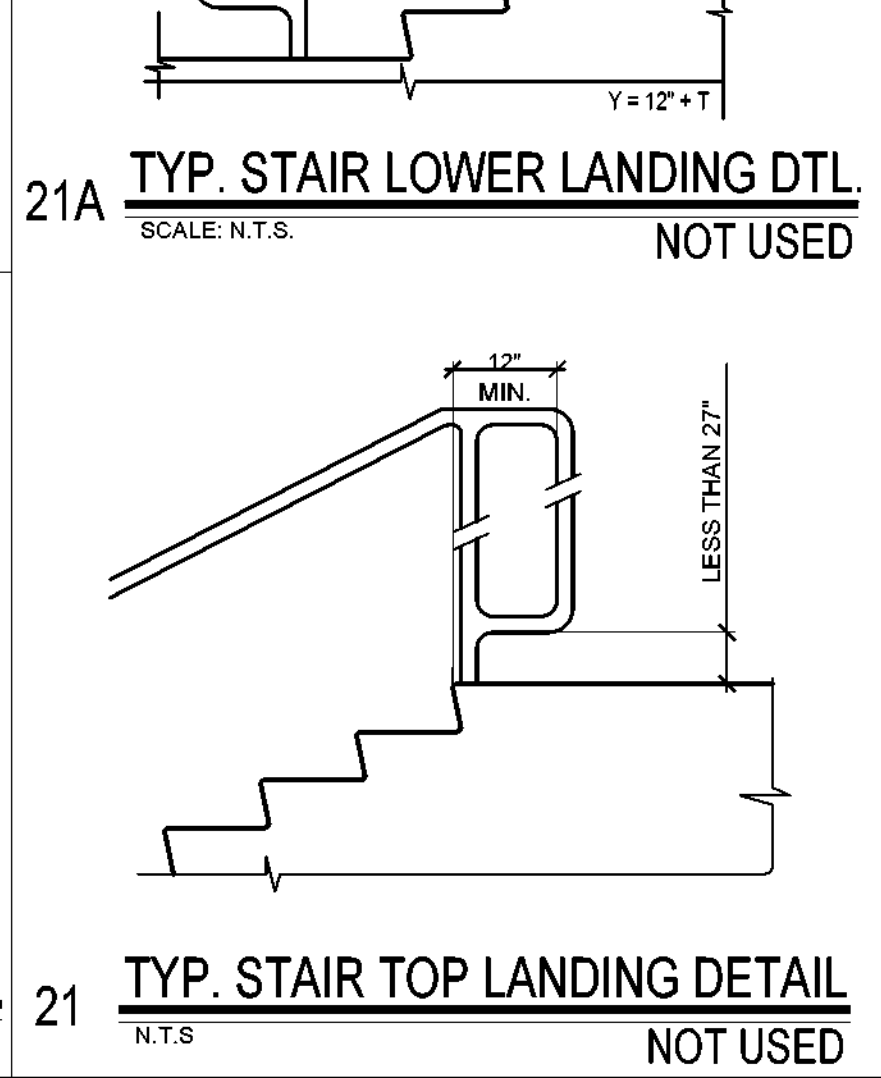
22 TYP. HANDRAIL SECTION DETAIL  
N.T.S.



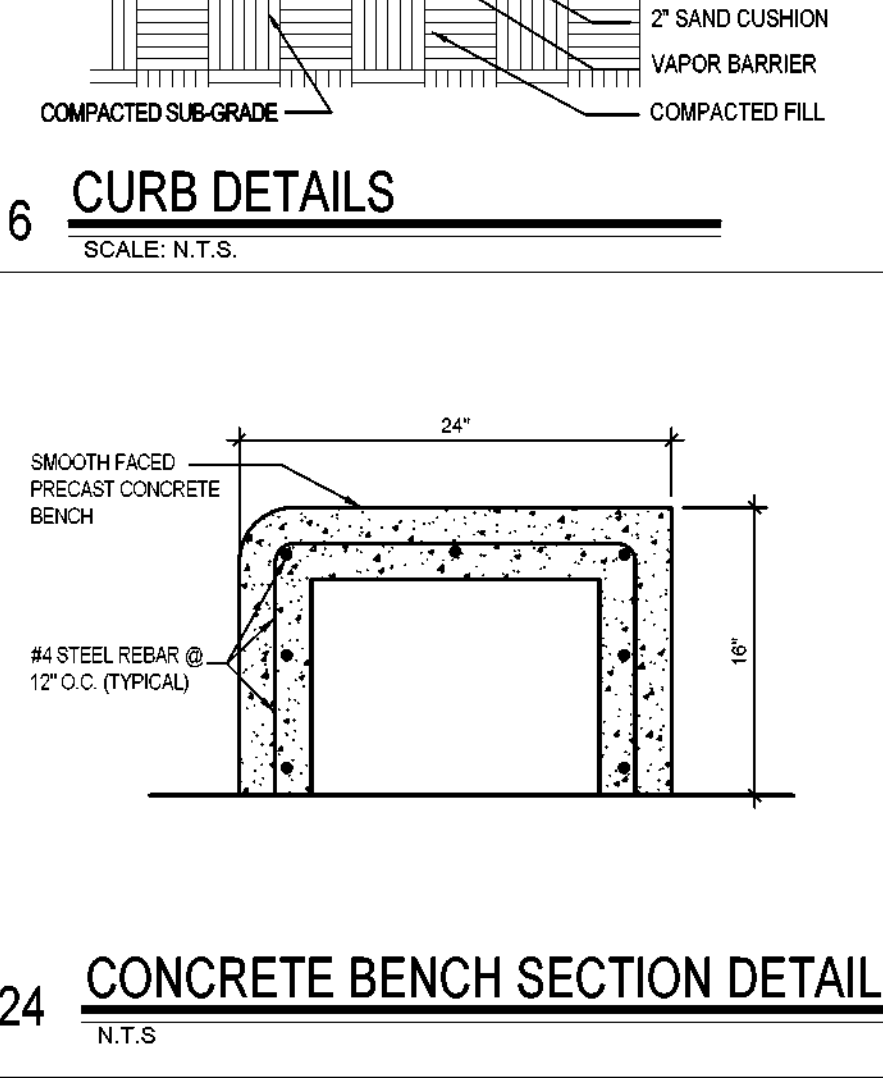
23 TYP. CURB RAMP PLAN  
N.T.S.



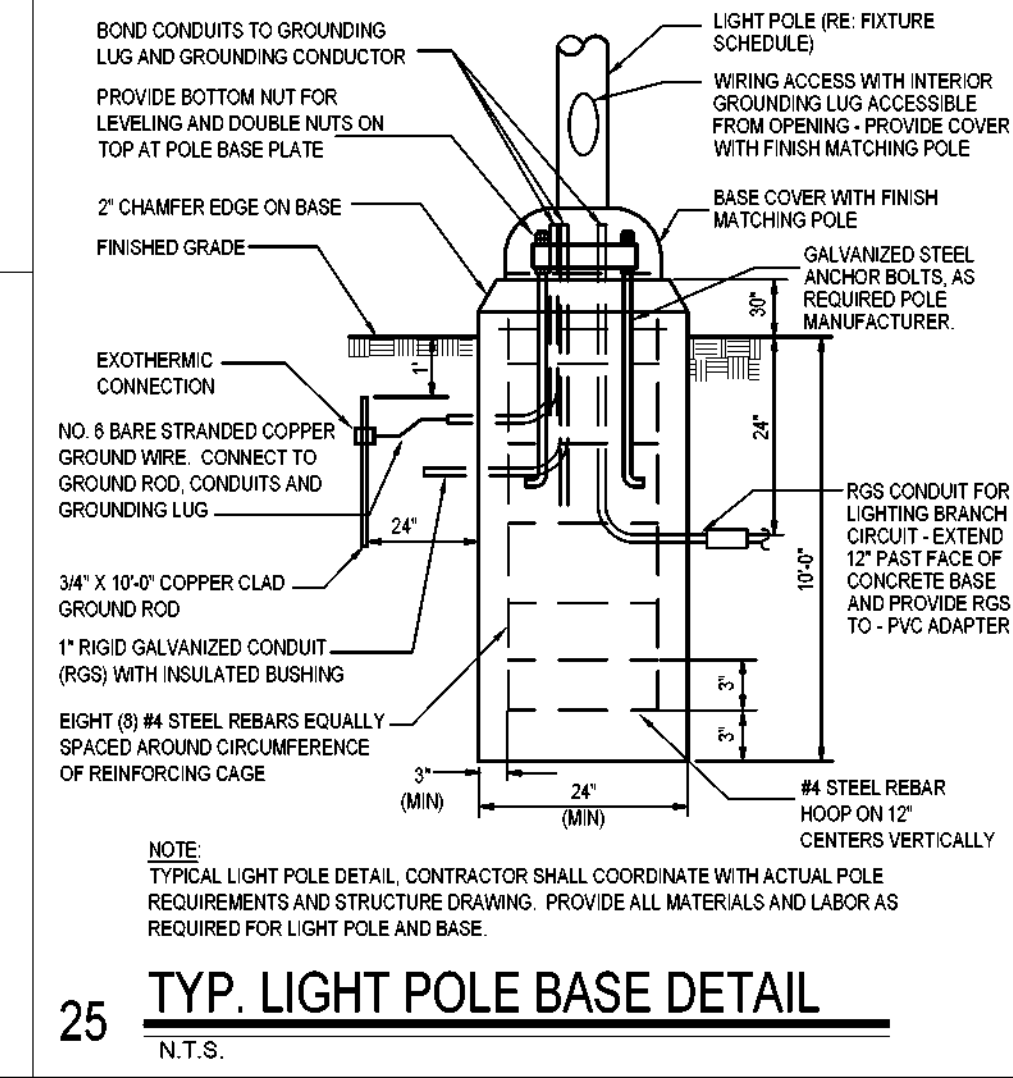
20 TYP. STAIR/RAMP GUARDRAIL DTL.  
N.T.S. NOT USED



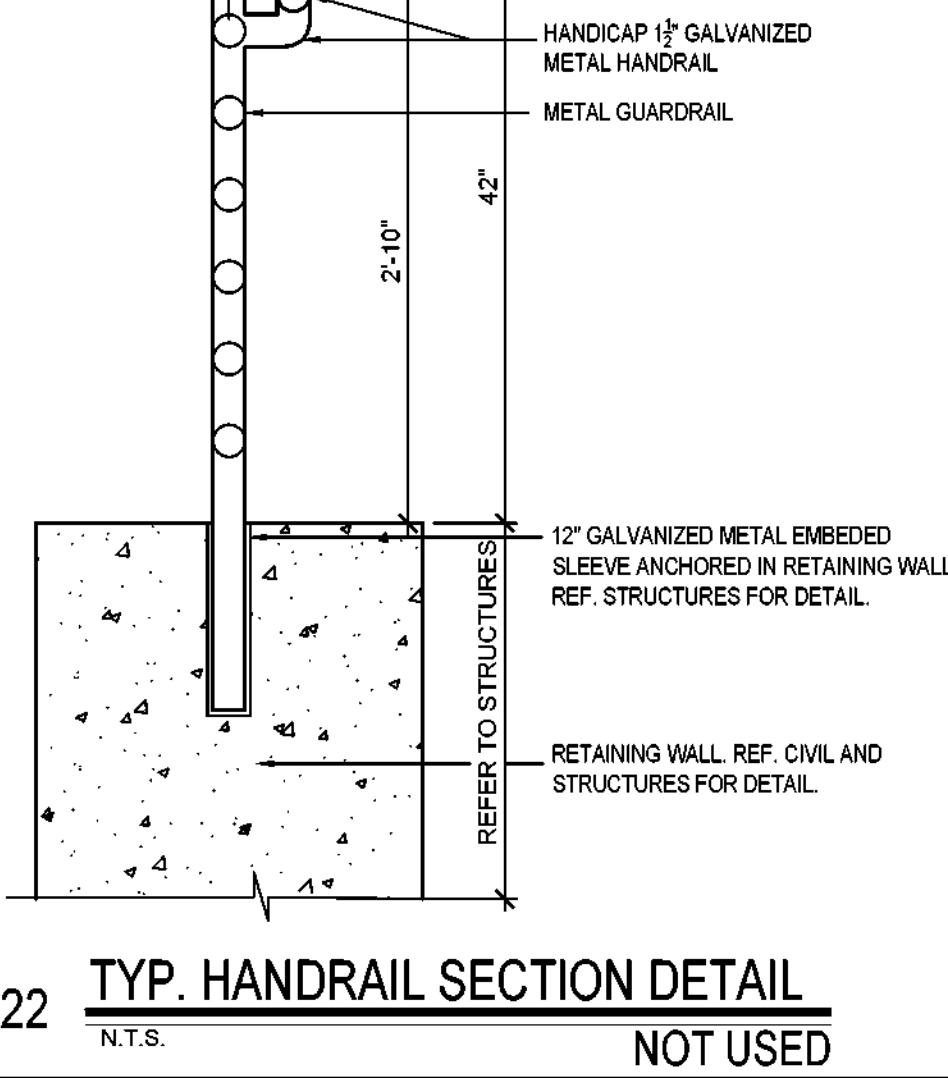
21 TYP. STAIR TOP LANDING DETAIL  
N.T.S. NOT USED



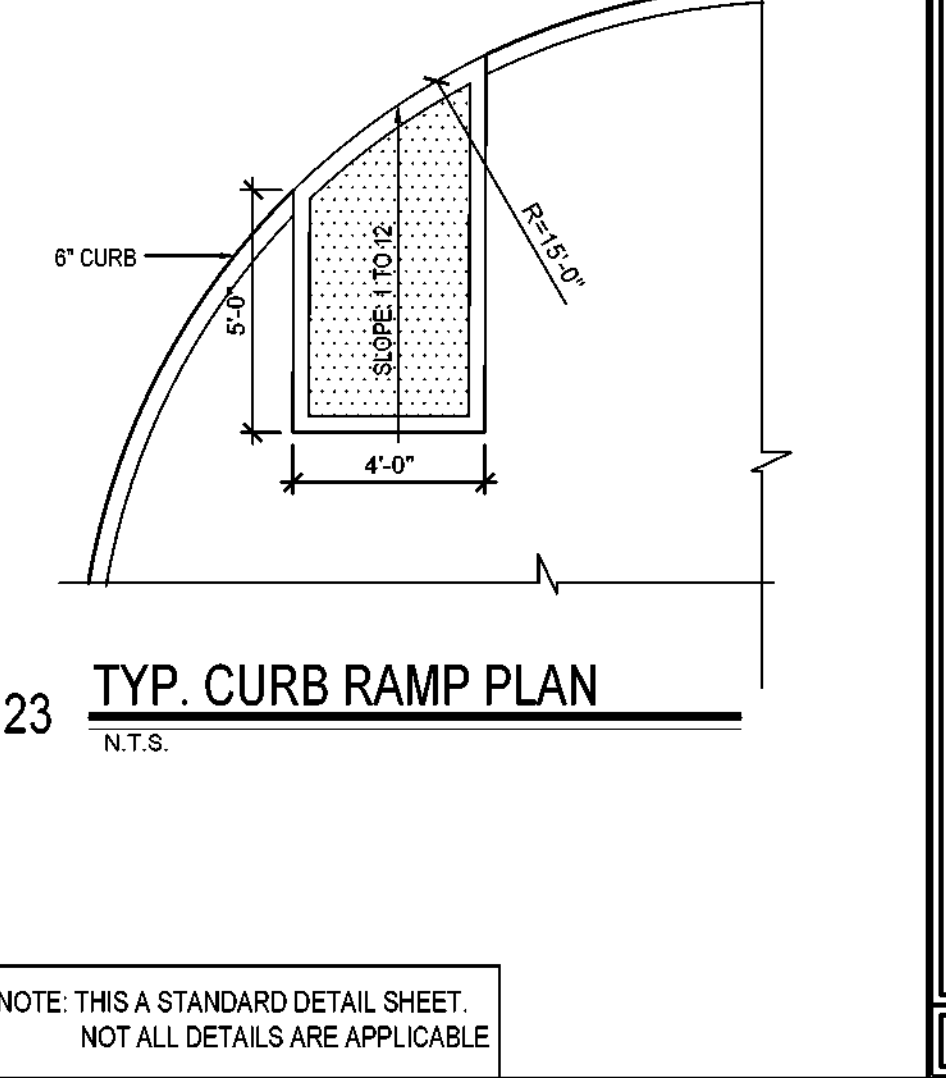
24 CONCRETE BENCH SECTION DETAIL  
N.T.S. NOT USED



25 TYP. LIGHT POLE BASE DETAIL  
N.T.S. NOT USED



22 TYP. HANDRAIL SECTION DETAIL  
N.T.S. NOT USED



23 TYP. CURB RAMP PLAN  
N.T.S. NOT USED

OWNER:  
**DALLAS**  
INDEPENDENT SCHOOL DISTRICT  
DALLAS INDEPENDENT SCHOOL DISTRICT  
9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
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ARCHITECT:  
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SEAL:

CONSULTANT SEAL:

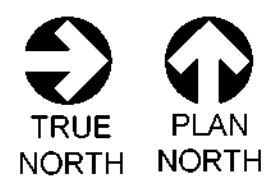
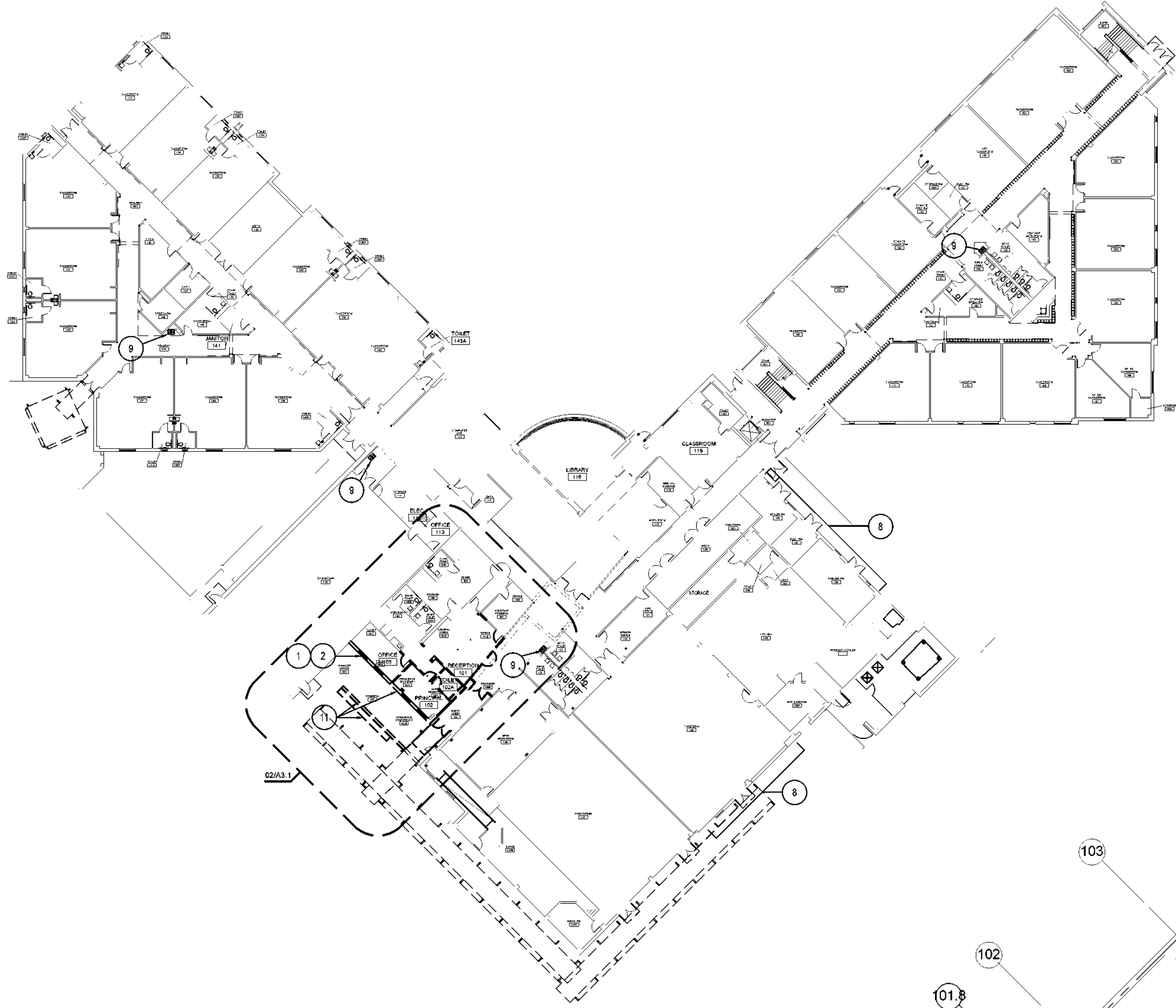
Revisions Issues

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
ELEMENTARY SCHOOL RENOVATIONS  
1665 DUNCANVILLE ROAD - DALLAS, TX.

SHEET NAME:  
**STANDARD SITE DETAILS**

Job 1025202  
Date 08-23-2023  
Drawn de  
Check EE  
PRF  
Sheet **A1.1**  
Of SHEETS

NOTE: THIS A STANDARD DETAIL SHEET. NOT ALL DETAILS ARE APPLICABLE.

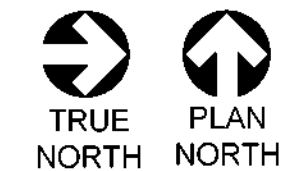


**01 OVERALL LEVEL 1 - DEMOLITION FLOOR PLAN**

SCALE: 1/32"=1'-0"  
HALF SIZE: 1/64"=1'-0"

EXISTING METAL ROOF CANOPY SHALL REMAIN EXCEPT AS NOTED OTHERWISE

DEMOLISH AND HAUL-OFF EXISTING CONCRETE SEAT, FREE STANDING BRICK WALL & BUILDING BRICK WALL & EXISTING WINDOWS FROM FOUNDATION TO PARAPET INCLUDING CONCRETE FLOOR PAVEMENT AS INDICATED IN HATCHED & DASHED AREA & READY FOR A NEW FOUNDATION ADDITION.



**02 LEVEL 1 - AREA-"A" ENLARGED ENTRY DEMO PLAN**

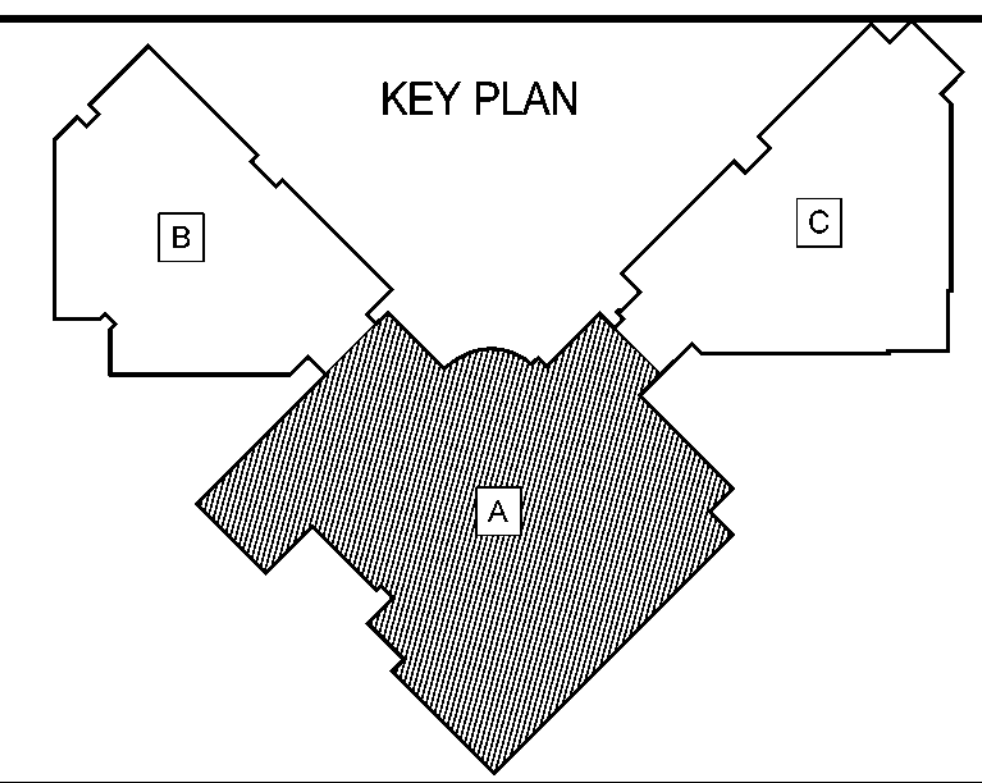
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HALF SIZE: 1/16"=1'-0"

**GENERAL NOTES**

- ALL WORK, WHETHER DEMOLITION, A COMPLETELY NEW INSTALLATION OR ALTERATIONS TO EXISTING SYSTEM OR BUILDING(S), SHALL COMPLY WITH ALL GOVERNING STATE & LOCAL ORDINANCES & ALL JURISDICTIONAL AUTHORITIES REQUIREMENTS.
- ALL WORK SHALL CONFORM TO ALL APPLICABLE CODES, ORDINANCES & STATUTES OF ANY & ALL GOVERNING AGENCIES.
- THE CONTRACTOR SHALL VISIT THE SITE & COMPLETELY FAMILIARIZE HIMSELF WITH THE SCOPE OF WORK AND EXISTING CONDITIONS.
- THE CONTRACTOR SHALL FIELD VERIFY ACTUAL DIMENSIONS AND EXISTING CONDITION & COORDINATE INCONSISTENCIES WITH THE ARCHITECT/ENGINEER PRIOR TO BID.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING WORK & ITEMS TO REMAIN. ANY DAMAGE TO EXISTING CONDITIONS OR ANY ALTERATIONS MADE FOR THE PURPOSE OF STAGING NEW CONSTRUCTION SHALL BE REPLACED OR PATCHED TO MATCH EXISTING WORK OR FINISHES.
- ALL EXISTING ITEMS SCHEDULED FOR DEMOLITION WILL REMAIN THE PROPERTY OF THE OWNER, OR AS DIRECTED BY ARCHITECT, THE CONTRACTOR SHALL COORDINATE THOSE ITEMS FOR SALVAGE WITH THE ARCHITECT. PROPER SALVAGE INVENTORY SHALL BE MAINTAINED BY THE CONTRACTOR.
- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, TO INSURE THAT DEMOLITION AND/OR NEW CONSTRUCTION IN NO WAY INTERRUPTS OPERATIONS OF OTHER FUNCTIONS AT ANY TIME.
- IT IS THE INTENT OF THIS PROJECT TO MATCH EXISTING BUILDING STANDARD FOR MATERIALS AND DETAILS, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL COORDINATE WITH THE OWNER ON THE ERECTION OF TEMPORARY PHASING PARTITIONS OR BARRICADES, IF REQUIRED & SHALL ONLY BE INSTALLED A MINIMUM TIME PERIOD.
- IN ACCORDANCE WITH NOTES ABOVE, SUBMISSION OF BID INDICATES THAT CONTRACTOR IS WELL QUALIFIED, HAS REVIEWED THE CD & IS THOROUGHLY FAMILIAR WITH THE ENTIRE REQUIRED INSTALLATION FOR WHICH BID HAS BEEN SUBMITTED, & AS SUCH ALL REQUIRED CONSTRUCTION & INSTALLATION INCLUDING BUILDING SYSTEM COMPONENTS, MATERIALS AND LABOR NOT INDICATED ON DRAWINGS NOR SPECIFIED, BUT ARE REQUIRED BY CODE & INDUSTRY STANDARDS OR IN ACCORDANCE WITH THE CONTRACTORS PROFESSIONAL EXPERTISE, ARE REQUIRED FOR COMPLETION OF CONSTRUCTION / INSTALLATION FOR PROPER OPERATION OF THE ENTIRE SYSTEM, SHALL BE CONSIDERED AS PART OF THE ORIGINAL & CURRENT BID AMOUNT & ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL FIELD VERIFY THE ACTUAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF DEMOLITION AND / OR CONSTRUCTION.
- ANYWHERE THE FIRE ALARM, MECHANICAL, AND ELECTRICAL DEVICES WERE REMOVED OR RELOCATED, GC SHALL PATCH / REPAIR AND PAINT THE WALL, CEILING AND AREAS AFFECTED TO MATCH ADJACENT WALL / CEILING / AREA SO NO INDICATION OF REPAIRS CAN BE DICTATED.

**KEYED NOTES**

- EXISTING EXTERIOR WINDOWS WELDED HEXAGONAL WIRE MESH METAL WINDOW SCREENS SHALL BE CAREFULLY DISCONNECTED & REMOVED TO BE SALVAGED &/OR HAULED OFF AS DIRECTED BY OWNER'S REP.
- EXTERIOR HOLLOW METAL GLASS/PLEXIGLASS WINDOWS SHALL BE CAREFULLY DISCONNECTED & REMOVED TO BE SALVAGED &/OR HAULED OFF AS DIRECTED BY OWNER'S REP.
- EXISTING EXTERIOR WALLS / INTERIOR WINDOWS, INTERIOR PARTITIONS, AND EXTERIOR CONCRETE FLOOR PAVEMENTS SHALL BE REMOVED AND HAULED OFF & READY SPACE FOR NEW INSTALLATIONS.
- EXISTING LAY-IN CEILING SYSTEM & CEILING MOUNTED DEVICES, INCLUDING LIGHT FIXTURES, DIFFUSERS AND GRILLES SHALL BE REMOVED AND HAULED OFF & READY FOR NEW INSTALLATIONS.
- EXISTING FLOORING MATERIALS IN DEMARCATED AREAS SHALL BE SCRAPPED OFF AND HAULED OFF AND READY FLOOR FOR NEW INSTALLATIONS.
- ALL EXISTING AFFECTED PLUMBING FIXTURES AND PIPINGS, ELECTRICAL WIRING AND CONDUITS, AND SWITCHES SHALL BE DISCONNECTED AND HAULED OFF.
- EXISTING GLASS & HOLLOW METAL GLASS STORE FRONTS AND DOORS SHALL BE REMOVED AND HAULED OFF AND READY FOR NEW INSTALLATIONS.
- EXISTING MECHANICAL WINDOW GRILLES SHALL REMAIN AS-IS. NOT IN CONTRACT.
- DISCONNECT & CAP-OFF DEMOLISHED EXISTING DRINKING FOUNTAINS AND MAKE READY FOR NEW HIGH & LOW DRINKING FOUNTAINS. TYPICAL.
- CAREFULLY SUPPORT CANOPY & CUT EXISTING METAL CANOPY ROOFING SYSTEM, INCLUDING REMOVAL OF STEEL COLUMNS DOWN TO FOUNDATION AND READY FOR NEW CONSTRUCTION.
- DEMOLISH AND HAUL-OFF EXISTING CONCRETE SEAT, FREE STANDING BRICK WALL & BUILDING BRICK WALL & EXISTING WINDOWS FROM FOUNDATION, TO PARAPET INCLUDING CONCRETE FLOOR PAVEMENT AS INDICATED IN HATCHED & DASHED AREA & READY FOR A NEW FOUNDATION ADDITION.



OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 DALLAS INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
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 PH: (214) 340-4440  
 FAX: (214) 340-0200

SEAL:

CONSULTANT SEAL:

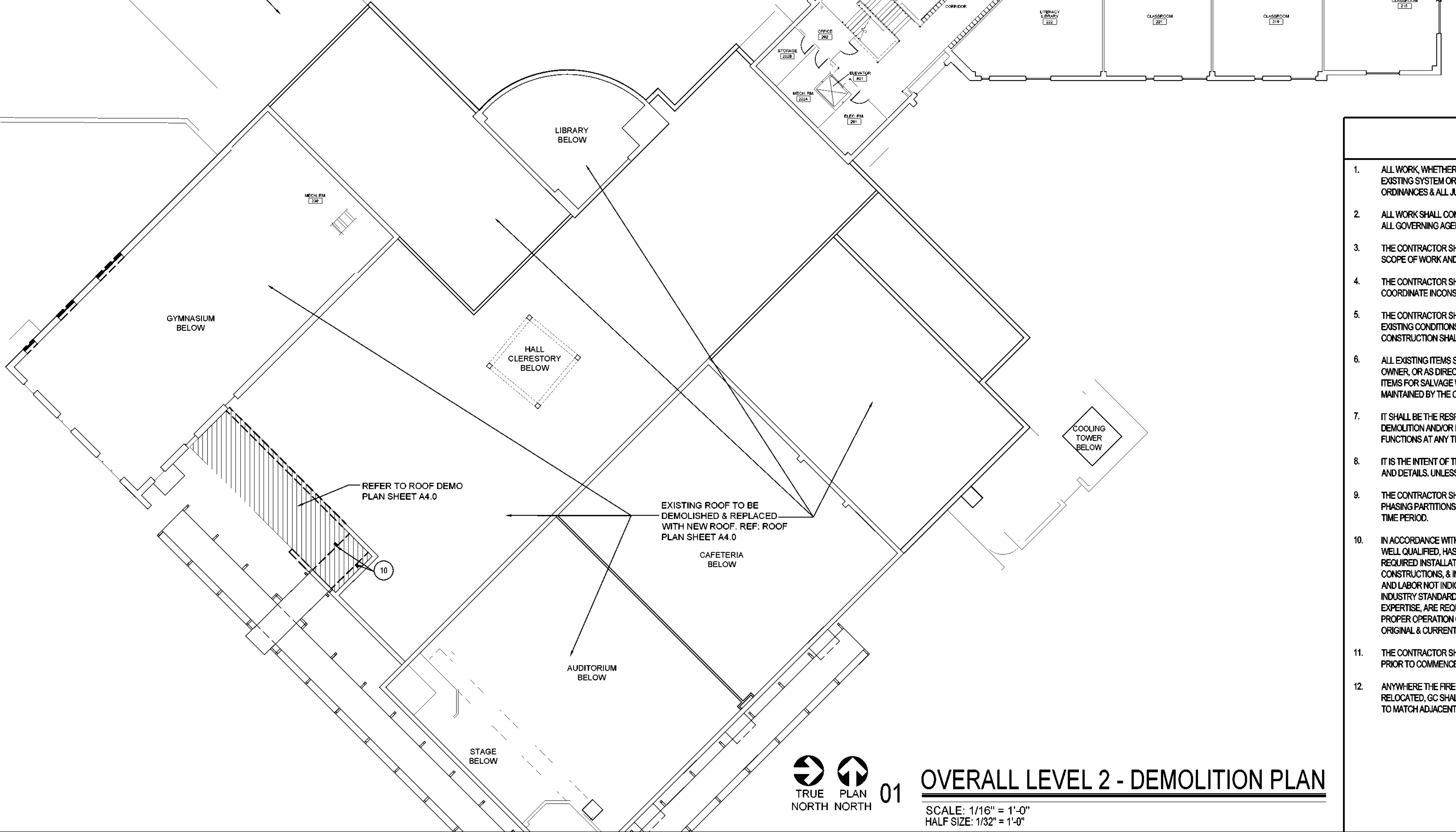
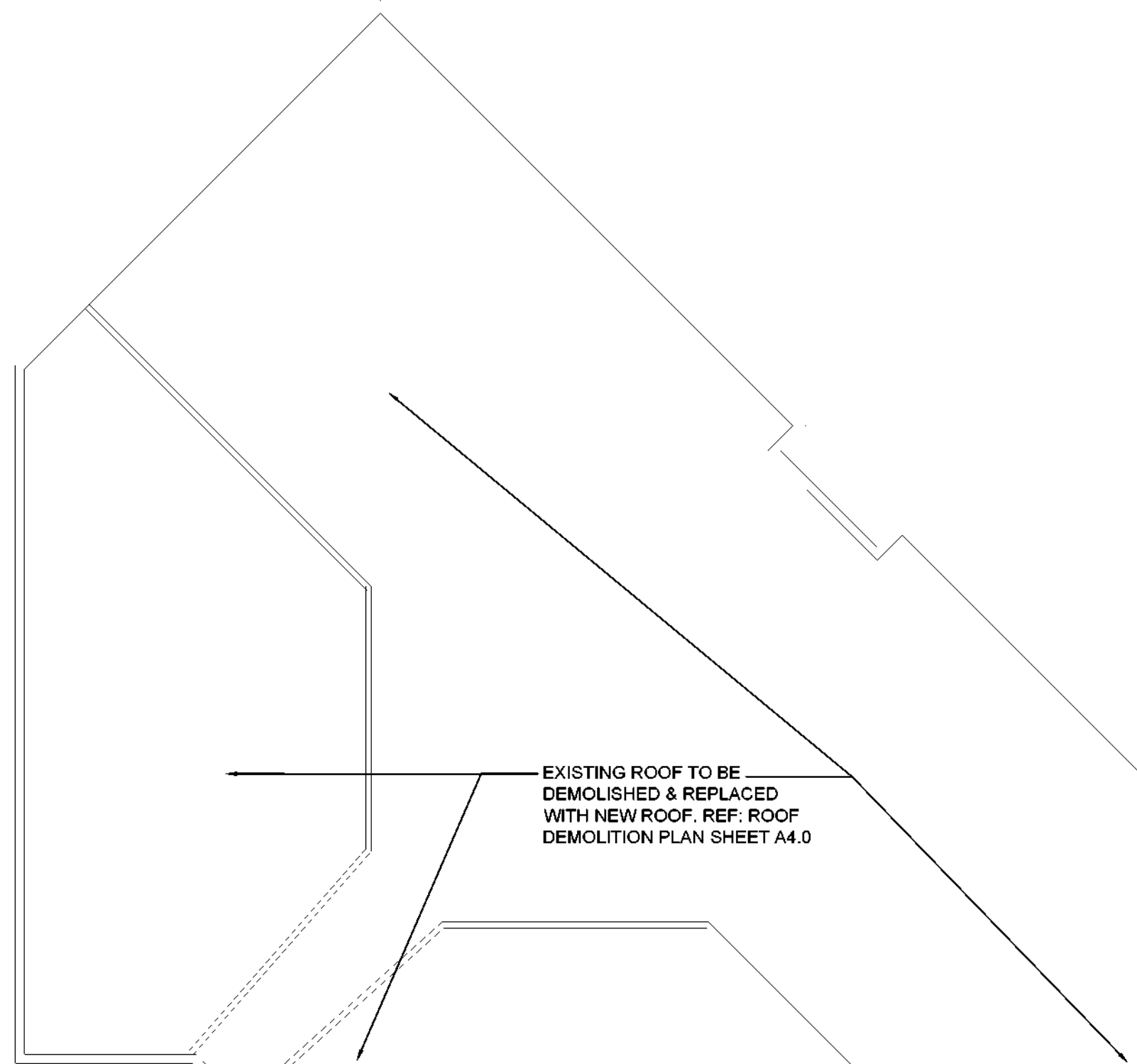
Revisions	Issues

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

SHEET NAME:  
**LEVEL 1 COMPOSITE AND ENLARGED DEMOLITION FLOOR PLANS**

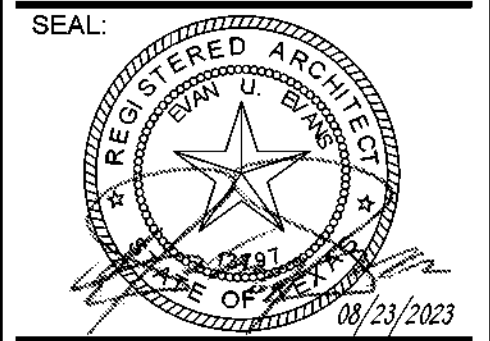
Job 1025202  
 Date 08-23-2023  
 Drawn de  
 Check EE  
 PRF  
 Sheet **A3.1**  
 Of SHEETS

- ### KEYED NOTES 'O'
- 1 EXISTING EXTERIOR WINDOWS WELDED HEXAGONAL WIRE MESH METAL WINDOW SCREENS SHALL BE CAREFULLY DISCONNECTED & REMOVED TO BE SALVAGED &/OR HAULED OFF AS DIRECTED BY OWNER'S REP.
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  - 4 EXISTING LAY-IN CEILING SYSTEM & CEILING MOUNTED DEVICES, INCLUDING LIGHT FIXTURES, DIFFUSERS AND GRILLES SHALL BE REMOVED AND HAULED OFF & READY FOR NEW INSTALLATIONS.
  - 5 EXISTING FLOORING MATERIALS IN DEMARCATED AREAS SHALL BE SCRAPPED OFF AND HAULED OFF AND READY FLOOR FOR NEW INSTALLATIONS.
  - 6 ALL EXISTING AFFECTED PLUMBING FIXTURES AND PIPINGS, ELECTRICAL WIRING AND CONDUITS, AND SWITCHES SHALL BE DISCONNECTED AND HAULED OFF.
  - 7 EXISTING GLASS & HOLLOW METAL GLASS STORE FRONTS AND DOORS SHALL BE REMOVED AND HAULED OFF AND READY FOR NEW INSTALLATIONS.
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- ### GENERAL NOTES
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**01 OVERALL LEVEL 2 - DEMOLITION PLAN**  
 SCALE: 1/16" = 1'-0"  
 HALF SIZE: 1/32" = 1'-0"



CONSULTANT SEAL:

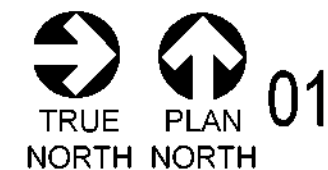
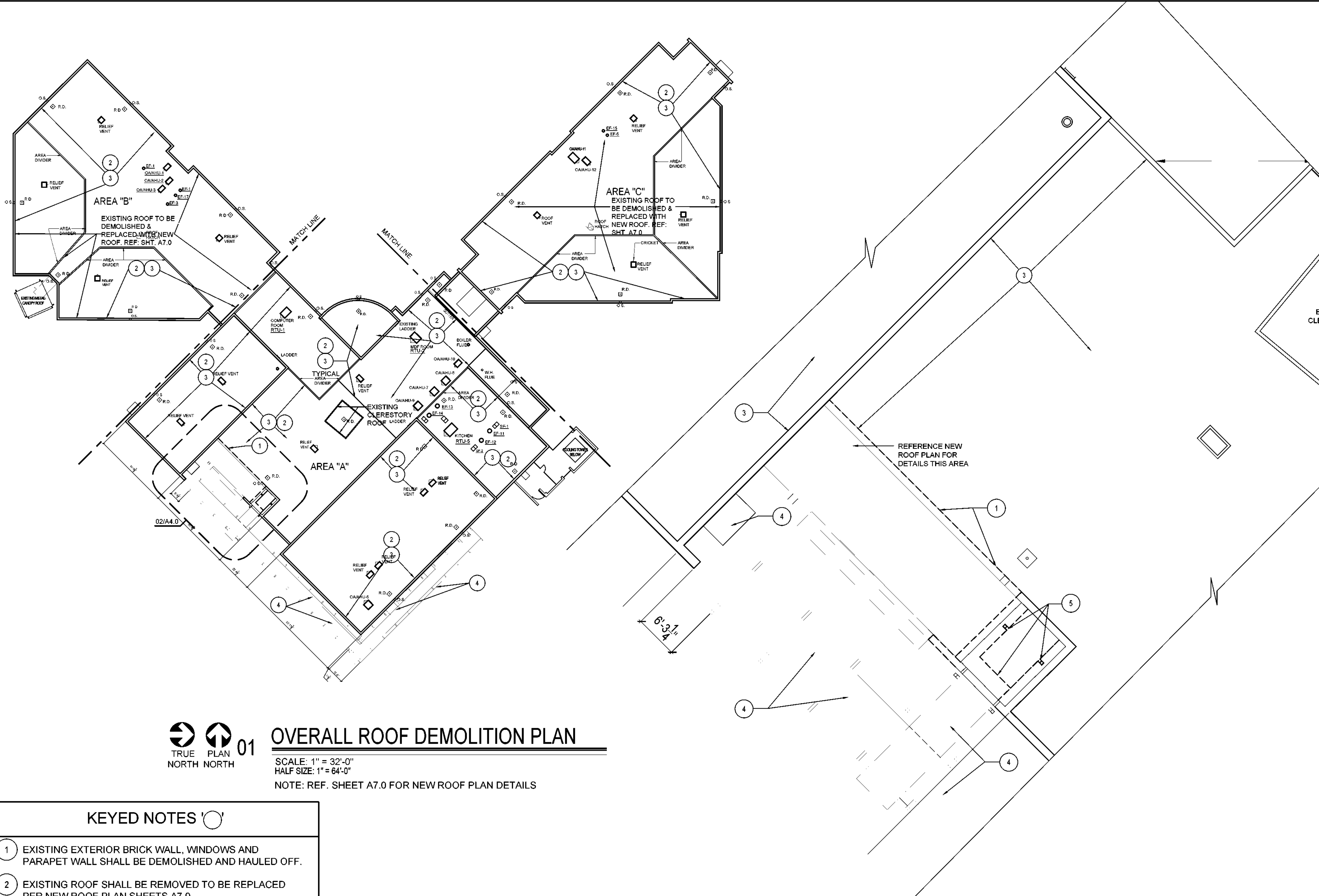
Revisions	Issues

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.



SHEET NAME:  
**OVERALL LEVEL 2 - DEMOLITION FLOOR PLAN**

Job 1025202  
 Date 08-23-2023  
 Drawn de  
 Check EE  
 PRF  
 Sheet **A3.2**  
 Of SHEETS

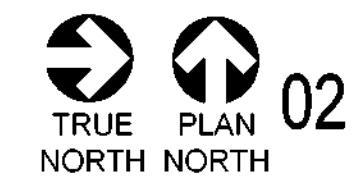


### OVERALL ROOF DEMOLITION PLAN

SCALE: 1" = 32'-0"  
 HALF SIZE: 1" = 64'-0"  
 NOTE: REF. SHEET A7.0 FOR NEW ROOF PLAN DETAILS

#### KEYED NOTES

- 1 EXISTING EXTERIOR BRICK WALL, WINDOWS AND PARAPET WALL SHALL BE DEMOLISHED AND HAULED OFF.
- 2 EXISTING ROOF SHALL BE REMOVED TO BE REPLACED PER NEW ROOF PLAN SHEETS A7.0.
- 3 CONTRACTOR SHALL TEAR-OFF AND REMOVE ALL EXISTING ROOFING GRAVELS / MEMBRANES UP TO THE PARAPET WALL AND EQUIPMENT CURBS / RIGID INSULATIONS AND PARAPET METAL COPING, ROOF DIVIDERS, EXPANSION AND / OR CONSTRUCTION JOINTS DOWN TO METAL ROOF DECK AND CLEAN AND READY SURFACE FOR NEW MODIFIED BITUMEN ROOFING SYSTEM INSTALLATIONS.
- 4 EXISTING METAL ROOF CANOPY TO REMAIN
- 5 EXISTING METAL CANOPY ROOF AND METAL COLUMNS & FOUNDATIONS / PIERS TO BE CUT AND HAULED OFF.

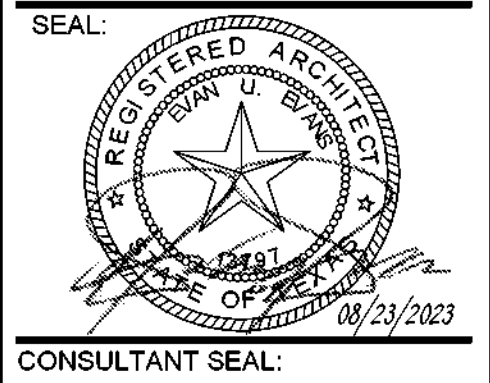
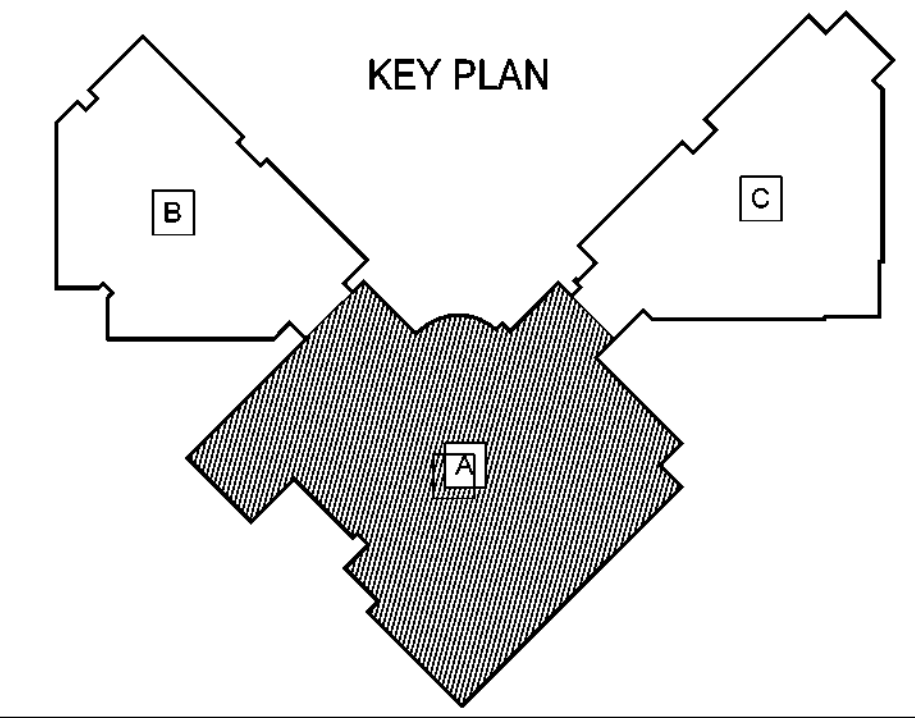


### ENLARGED ROOF DEMOLITION PLAN @ ENTRY ADMIN VEST.

SCALE: 1/8" = 1'-0"  
 HALF SIZE: 1/16" = 1'-0"

#### GENERAL NOTES

1. ALL WORK, WHETHER DEMOLITION, A COMPLETELY NEW INSTALLATION OR ALTERATIONS TO EXISTING SYSTEM OR BUILDING(S), SHALL COMPLY WITH ALL GOVERNING STATE & LOCAL ORDINANCES & ALL JURISDICTIONAL AUTHORITIES REQUIREMENTS.
2. ALL WORK SHALL CONFORM TO ALL APPLICABLE CODES, ORDINANCES & STATUTES OF ANY & ALL GOVERNING AGENCIES.
3. THE CONTRACTOR SHALL VISIT THE SITE & COMPLETELY FAMILIARIZE HIMSELF WITH THE SCOPE OF WORK AND EXISTING CONDITIONS.
4. THE CONTRACTOR SHALL FIELD VERIFY ACTUAL DIMENSIONS AND EXISTING CONDITION & COORDINATE INCONSISTENCIES WITH THE ARCHITECT/ENGINEER PRIOR TO BID.
5. THE CONTRACTOR SHALL PROTECT ALL EXISTING WORK & ITEMS TO REMAIN. ANY DAMAGE TO EXISTING CONDITIONS OR ANY ALTERATIONS MADE FOR THE PURPOSE OF STAGING NEW CONSTRUCTION SHALL BE REPLACED OR PATCHED TO MATCH EXISTING WORK OR FINISHES.
6. ALL EXISTING ITEMS SCHEDULED FOR DEMOLITION WILL REMAIN THE PROPERTY OF THE OWNER, OR AS DIRECTED BY ARCHITECT. THE CONTRACTOR SHALL COORDINATE THOSE ITEMS FOR SALVAGE WITH THE ARCHITECT. PROPER SALVAGE INVENTORY SHALL BE MAINTAINED BY THE CONTRACTOR.
7. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, TO INSURE THAT DEMOLITION AND/OR NEW CONSTRUCTION IN NO WAY INTERRUPTS OPERATIONS OF OTHER FUNCTIONS AT ANY TIME.
8. IT IS THE INTENT OF THIS PROJECT TO MATCH EXISTING BUILDING STANDARD FOR MATERIALS AND DETAILS, UNLESS NOTED OTHERWISE.
9. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER ON THE ERECTION OF TEMPORARY PHASING PARTITIONS OR BARRICADES, IF REQUIRED & SHALL ONLY BE INSTALLED A MINIMUM TIME PERIOD.
10. IN ACCORDANCE WITH NOTES ABOVE, SUBMISSION OF BID INDICATES THAT CONTRACTOR IS WELL QUALIFIED, HAS REVIEWED THE CD & IS THOROUGHLY FAMILIAR WITH THE ENTIRE REQUIRED INSTALLATION FOR WHICH BID HAS BEEN SUBMITTED, & AS SUCH ALL REQUIRED CONSTRUCTIONS, & INSTALLATION, INCLUDING BUILDING SYSTEM COMPONENTS, MATERIALS AND LABOR NOT INDICATED ON DRAWINGS NOR SPECIFIED, BUT ARE REQUIRED BY CODE & INDUSTRY STANDARDS OR IN ACCORDANCE WITH THE CONTRACTORS PROFESSIONAL EXPERTISE, ARE REQUIRED FOR COMPLETION OF CONSTRUCTION / INSTALLATION FOR PROPER OPERATION OF THE ENTIRE SYSTEM, SHALL BE CONSIDERED AS PART OF THE ORIGINAL & CURRENT BID AMOUNT & ARE THE RESPONSIBILITY OF THE CONTRACTOR.
11. THE CONTRACTOR SHALL FIELD VERIFY THE ACTUAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF DEMOLITION AND / OR CONSTRUCTION.
12. ANYWHERE THE FIRE ALARM, MECHANICAL, AND ELECTRICAL DEVICES WERE REMOVED OR RELOCATED, GC SHALL PATCH / REPAIR AND PAINT THE WALL, CEILING AND AREAS AFFECTED TO MATCH ADJACENT WALL / CEILING / AREA SO NO INDICATION OF REPAIRS CAN BE DICTATED.



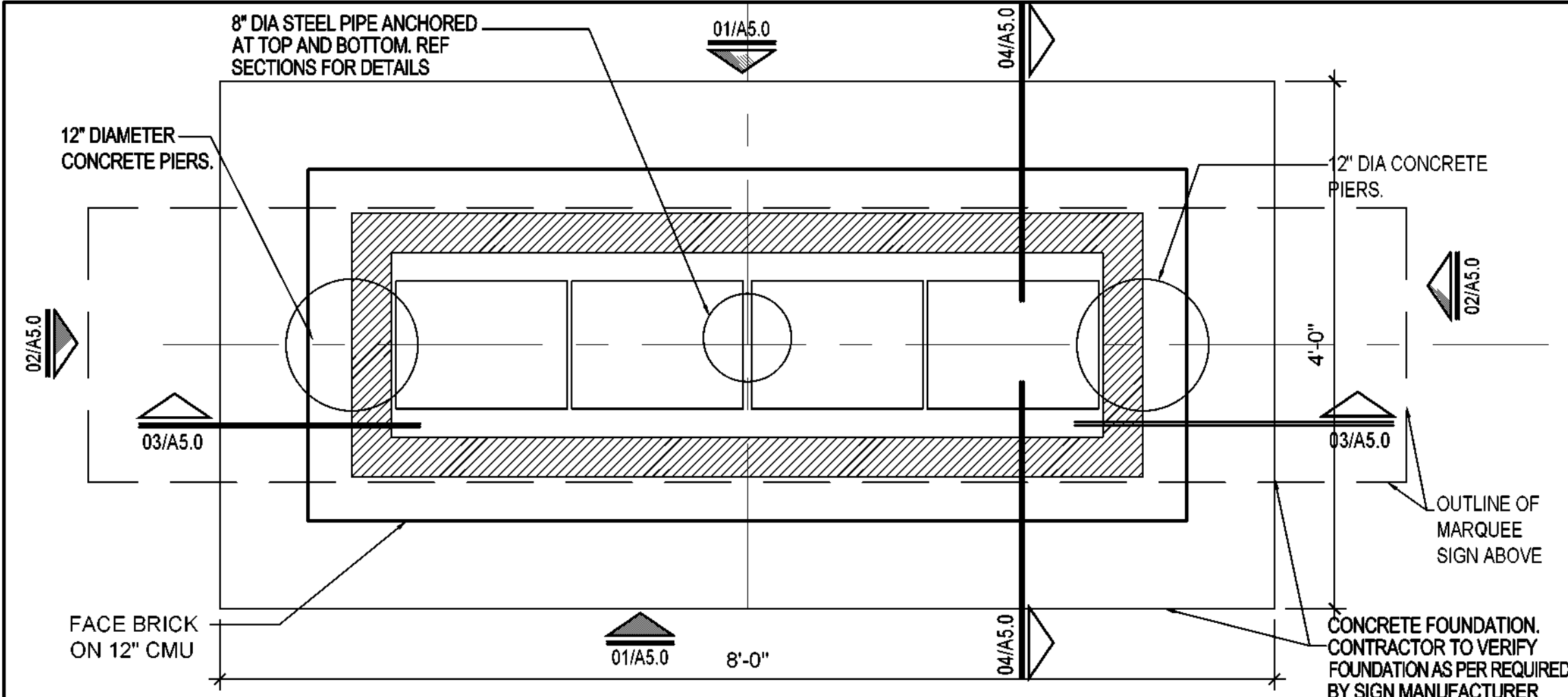
Revisions	Issues

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.



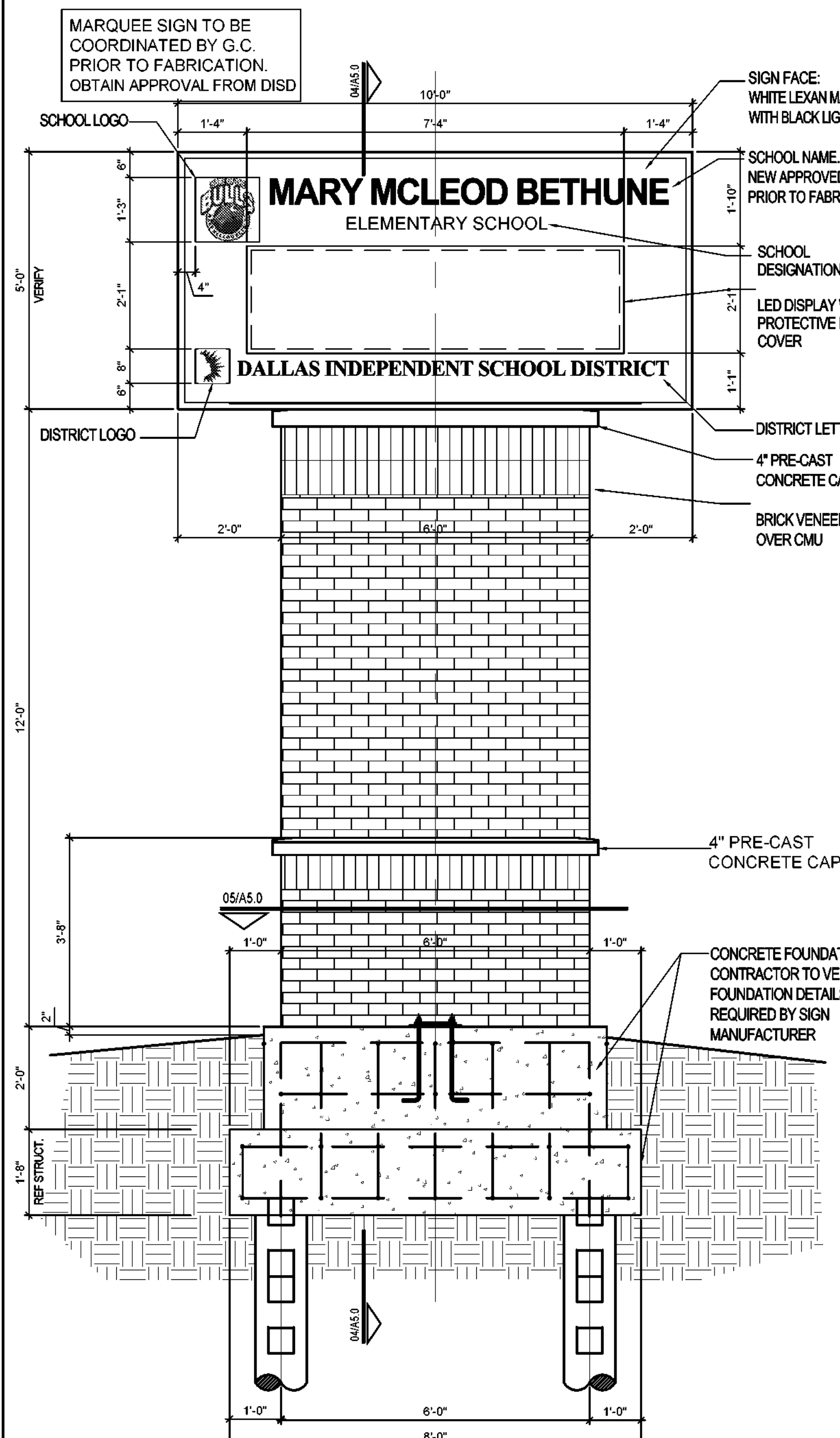
SHEET NAME:  
**OVERALL ROOF & ENLARGED ROOF DEMOLITION PLANS**

Job 1025202  
 Date 08-23-2023  
 Drawn de  
 Check EE  
 PRF  
 Sheet **A4.0**  
 Of SHEETS



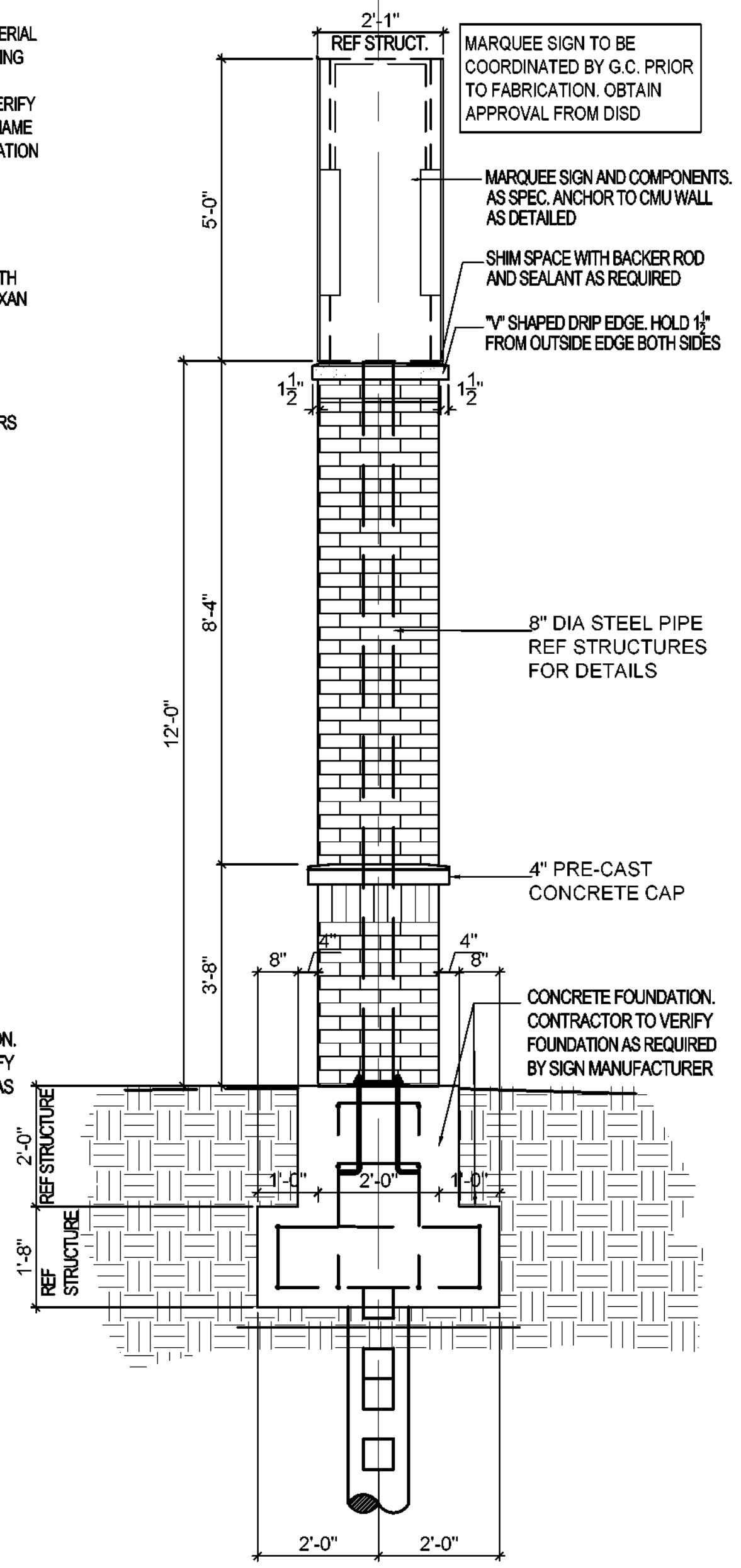
**05 MARQUEE SIGN PLAN**

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



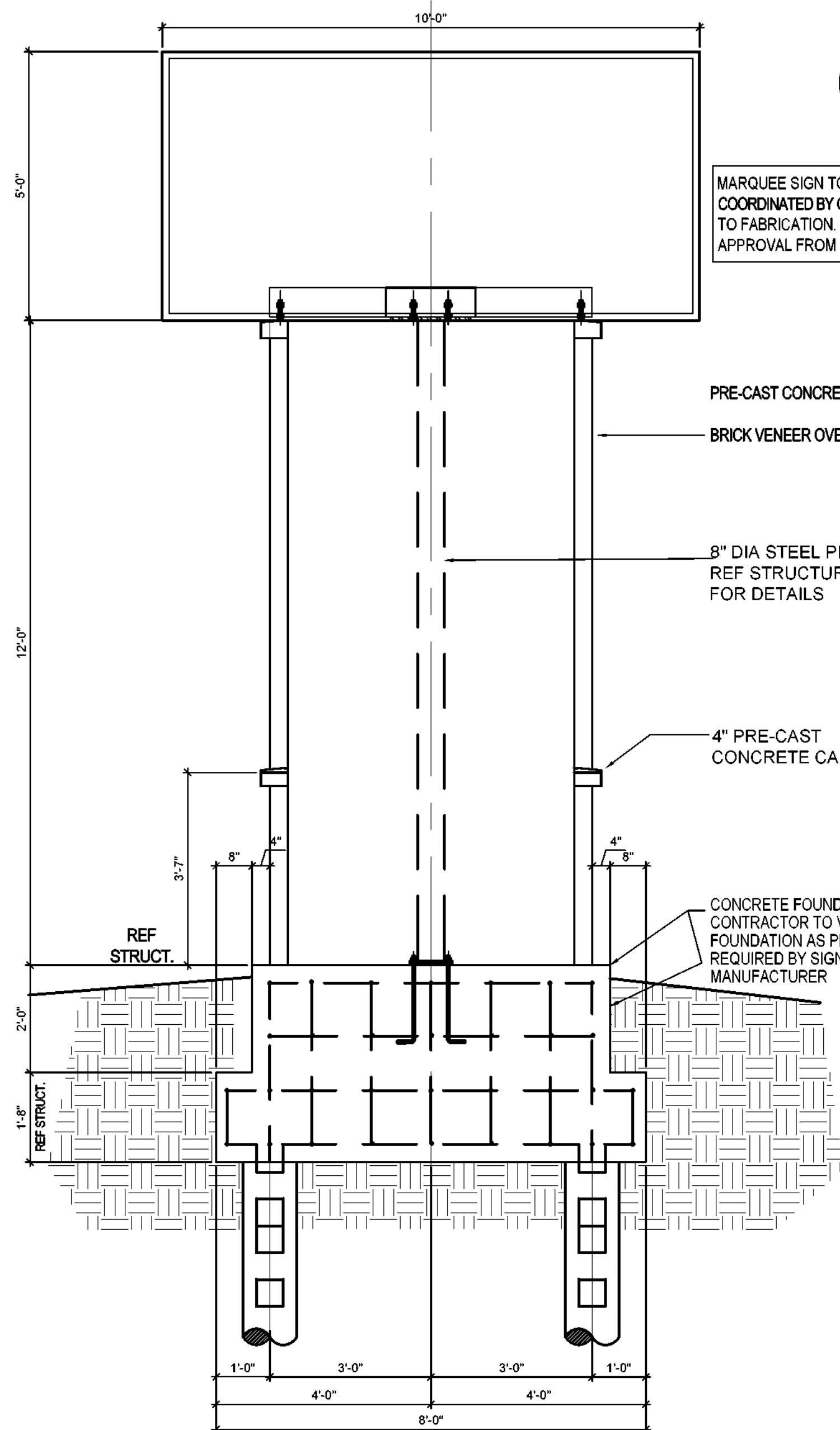
**01 MARQUEE SIGN FRONT ELEVATION**

SCALE: 1/2" = 1'-0"  
HALF SIZE: 1/4" = 1'-0"



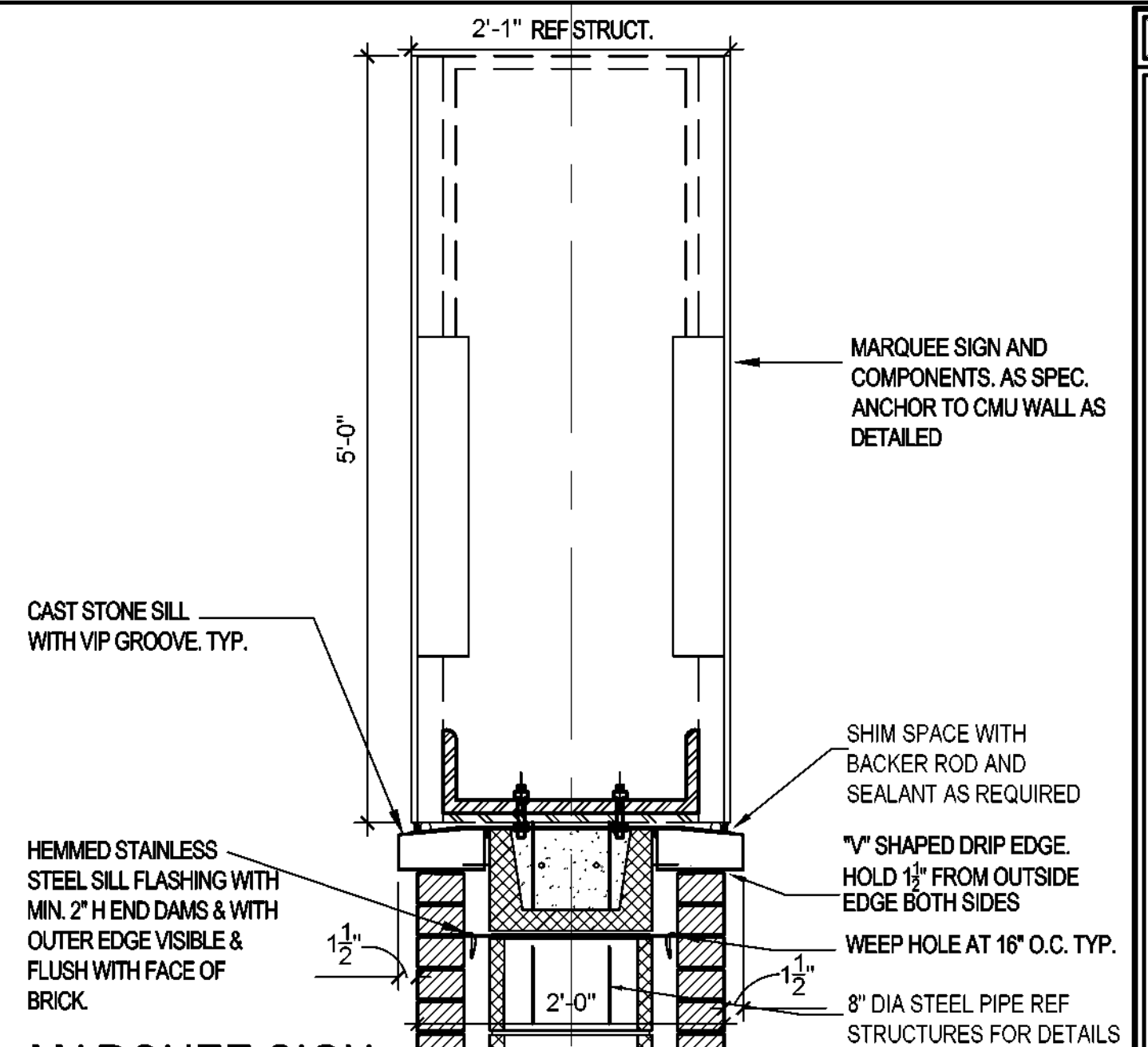
**02 MARQUEE SIGN SIDE ELEVATION**

SCALE: 1/2" = 1'-0"  
HALF SIZE: 1/4" = 1'-0"



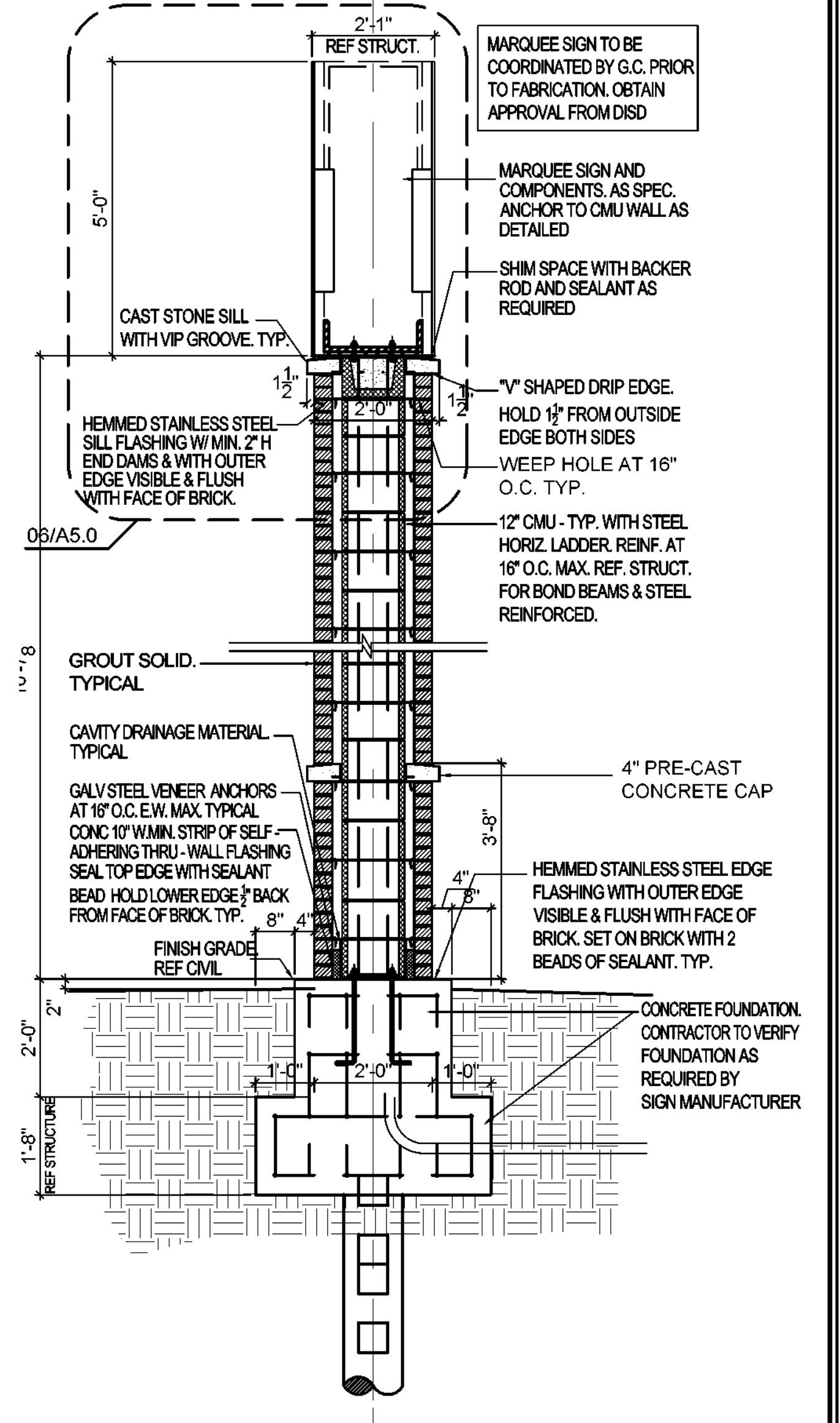
**03 MARQUEE SIGN SECTION / DETAIL**

SCALE: 1/2" = 1'-0"  
HALF SIZE: 1/4" = 1'-0"



**06 MARQUEE SIGN ENLARGED ATTACHMENT SECTION**

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



**04 MARQUEE SIGN SECTION / DETAIL**

SCALE: 1/2" = 1'-0"  
HALF SIZE: 1/4" = 1'-0"

Revisions	Issues

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
ELEMENTARY SCHOOL RENOVATIONS  
1665 DUNCANVILLE ROAD - DALLAS, TX.



SHEET NAME:  
**MARQUEE SIGN ELEVATIONS / SECTIONS AND DETAILS**

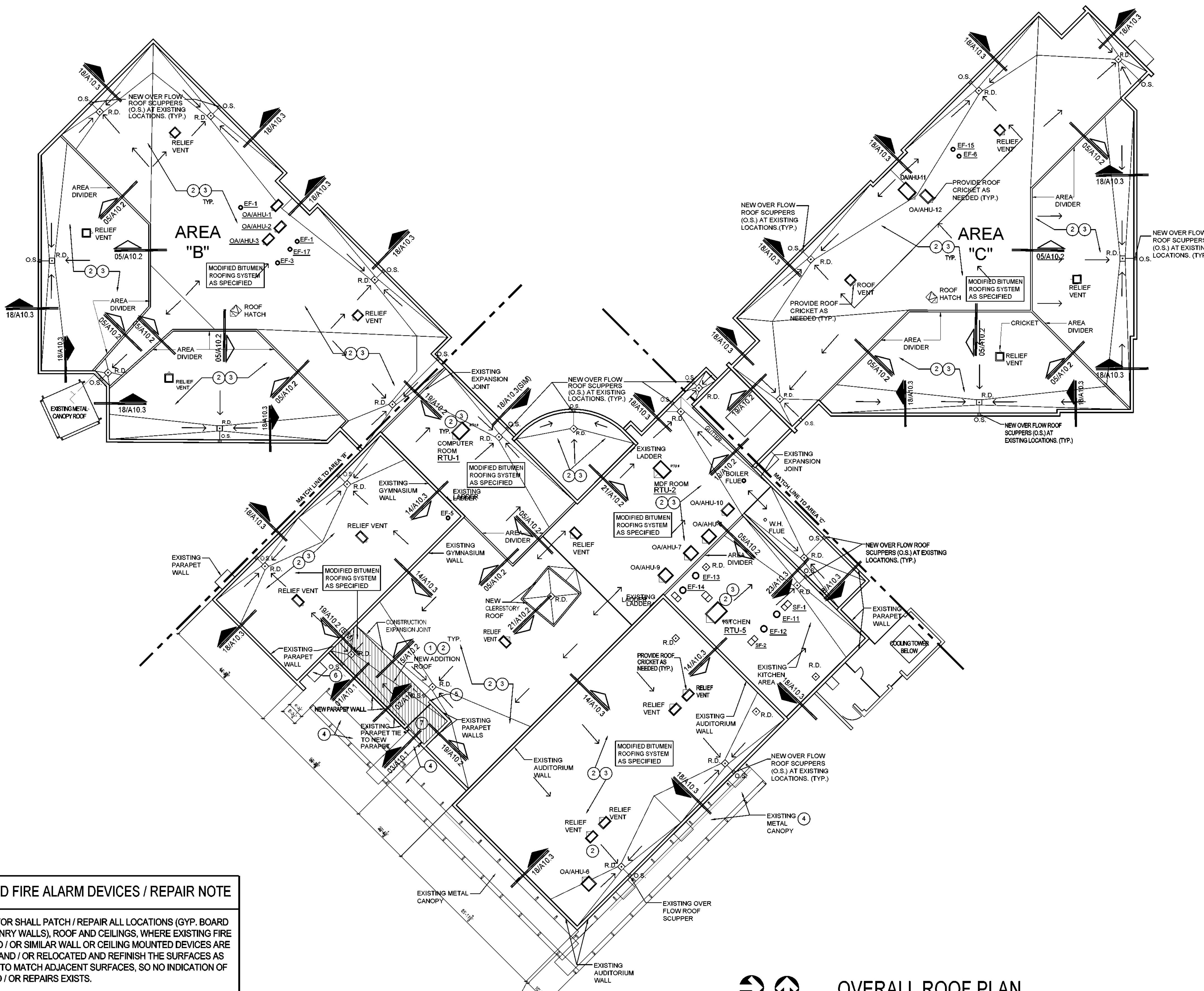
Job 1025202  
Date 08-23-2023  
Drawn de  
Check EE  
PRF  
Sheet **A5.0**  
Of SHEETS





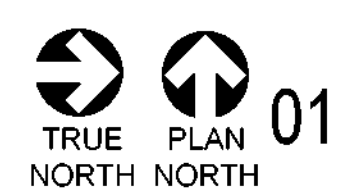






**RELOCATED FIRE ALARM DEVICES / REPAIR NOTE**

- CONTRACTOR SHALL PATCH / REPAIR ALL LOCATIONS (GYP. BOARD AND MASONRY WALLS), ROOF AND CEILINGS, WHERE EXISTING FIRE ALARM AND / OR SIMILAR WALL OR CEILING MOUNTED DEVICES ARE REMOVED AND / OR RELOCATED AND FINISH THE SURFACES AS REQUIRED TO MATCH ADJACENT SURFACES, SO NO INDICATION OF PATCH AND / OR REPAIRS EXISTS.



**OVERALL ROOF PLAN**

SCALE: 1" = 20'-0"  
 HALF SIZE: 1" = 40'-0"  
 NOTE: REF. SHEET A4.0 FOR DEMO ROOF PLAN

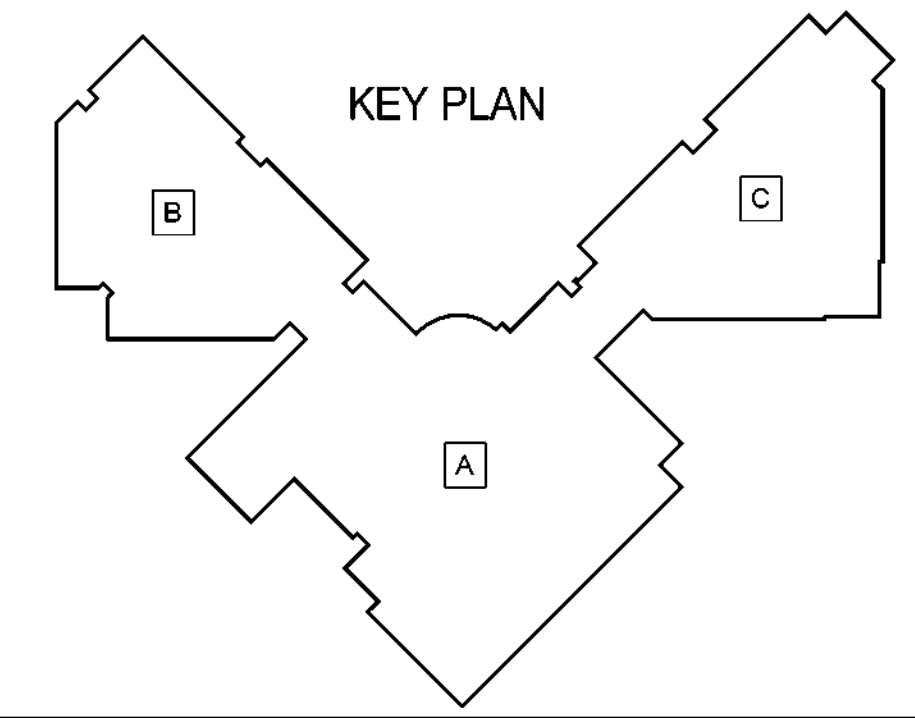
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**GENERAL NOTES**

- ALL WORK, WHETHER DEMOLITION, A COMPLETELY NEW INSTALLATION OR ALTERATIONS TO EXISTING SYSTEM OR BUILDING(S), SHALL COMPLY WITH ALL GOVERNING STATE & LOCAL ORDINANCES & ALL JURISDICTIONAL AUTHORITIES REQUIREMENTS.
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**KEYED NOTES**

- HATCHED AREA CONSIST OF NEW ROOF FOR THE NEW SECURE ENTRY VESTIBULE AND ADMINISTRATIVE ADDITION. REFER TO STRUCTURAL SHEETS S1.1 & S1.2 FOR FOUNDATION AND FRAMING PLANS.
- EXISTING MECHANICAL / EQUIPMENT CURBS TO BE REPLACED. REFERENCE MECHANICAL SHEET FOR UNITS ON THE ROOF AND EQUIPMENT CURBS THAT ARE BEING REPLACED.
- REPLACE EXISTING MULTI-PLY ROOFS WITH NEW MODIFIED BITUMEN ROOFING SYSTEM AS SPECIFIED AND AS PER DISD TDG AND MFR'S. SPECIFICATIONS.
- EXISTING METAL ROOF CANOPY TO REMAIN EXCEPT WHERE NOTED OTHERWISE TO BE REMOVED TO ACCOMMODATE NEW ROOF INSTALLATION AT THE MAIN ENTRY. REF. DEMOLITION PLAN.
- CAP END OF PARAPET WALL WITH GALVANIZED SHEET METAL FLASHING.
- EXISTING GYMNASIUM EXIT METAL CANOPY ROOF.
- CUT EXISTING METAL CANOPY ROOF TO ALLOW FOR THE INSTALLATION OF NEW ROOF AND SOFFIT.
- REFERENCE SHEET A10.2 THRU A10.3 FOR TYPICAL / SIMILAR ROOF DETAILS. ALL DETAILS MAY NOT APPLY.
- FURNISH & INSTALL CRICKETS ON HIGH SIDE OF ROOF MOUNTED EQUIPMENT CURBS TO DIVERT WATER AWAY FROM EQUIPMENT BASE.
- FIELD VERIFY ACTUAL EXISTING LOCATIONS OF ROOF DRAINS & OVER FLOW ROOF SCUPPERS & SLOPE TO DRAINS AS REQUIRED



OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 DALLAS INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
 ARCHITECTURE-ENGINEERING-CONSTRUCT-INSPECTION  
 13140 NORTH COIT ROAD - SUITE 230  
 DALLAS, TEXAS 75240  
 WWW.EVANSASSOCIATES.COM  
 P.O. (214) 340-4440  
 F.A.C. (214) 340-0200

SEAL:

CONSULTANT SEAL:

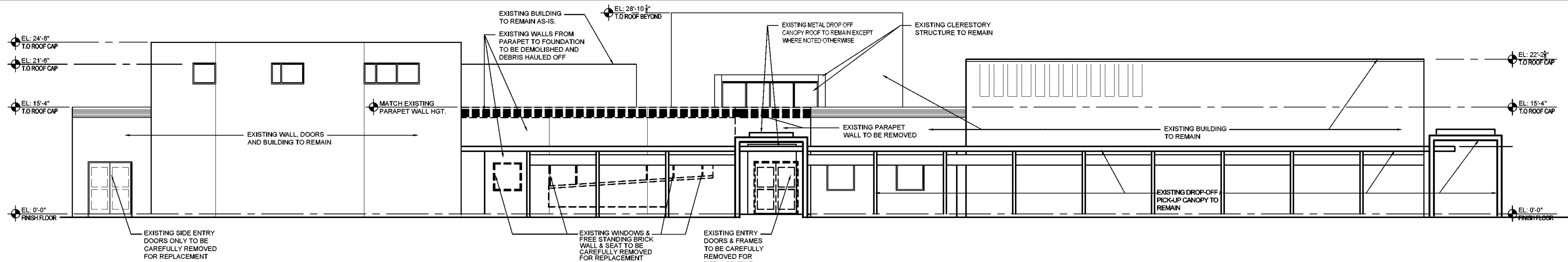
Revisions Issues

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 1665 DUNCANVILLE ROAD - DALLAS, TX.

**BOND 2020**

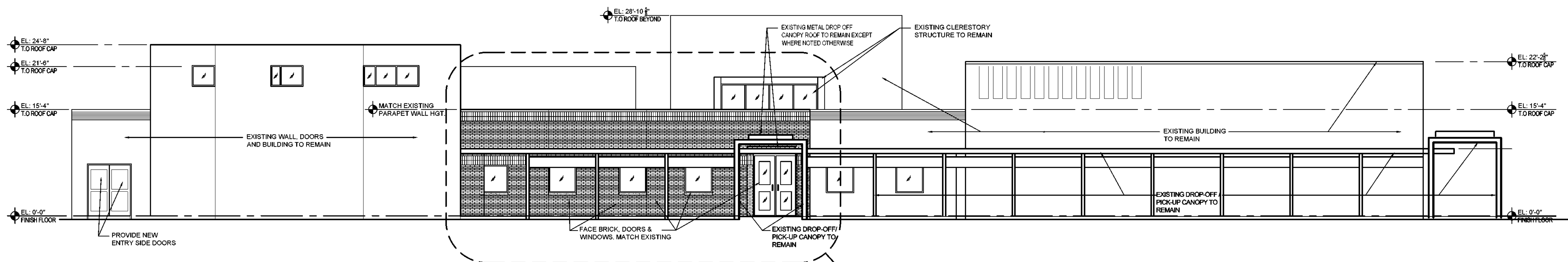
SHEET NAME:  
**OVERALL ROOF ROOF PLAN**

Job 1025202  
 Date 08-23-2023  
 Drawn de  
 Check EE  
 PRF  
 Sheet **A7.0**  
 Of SHEETS



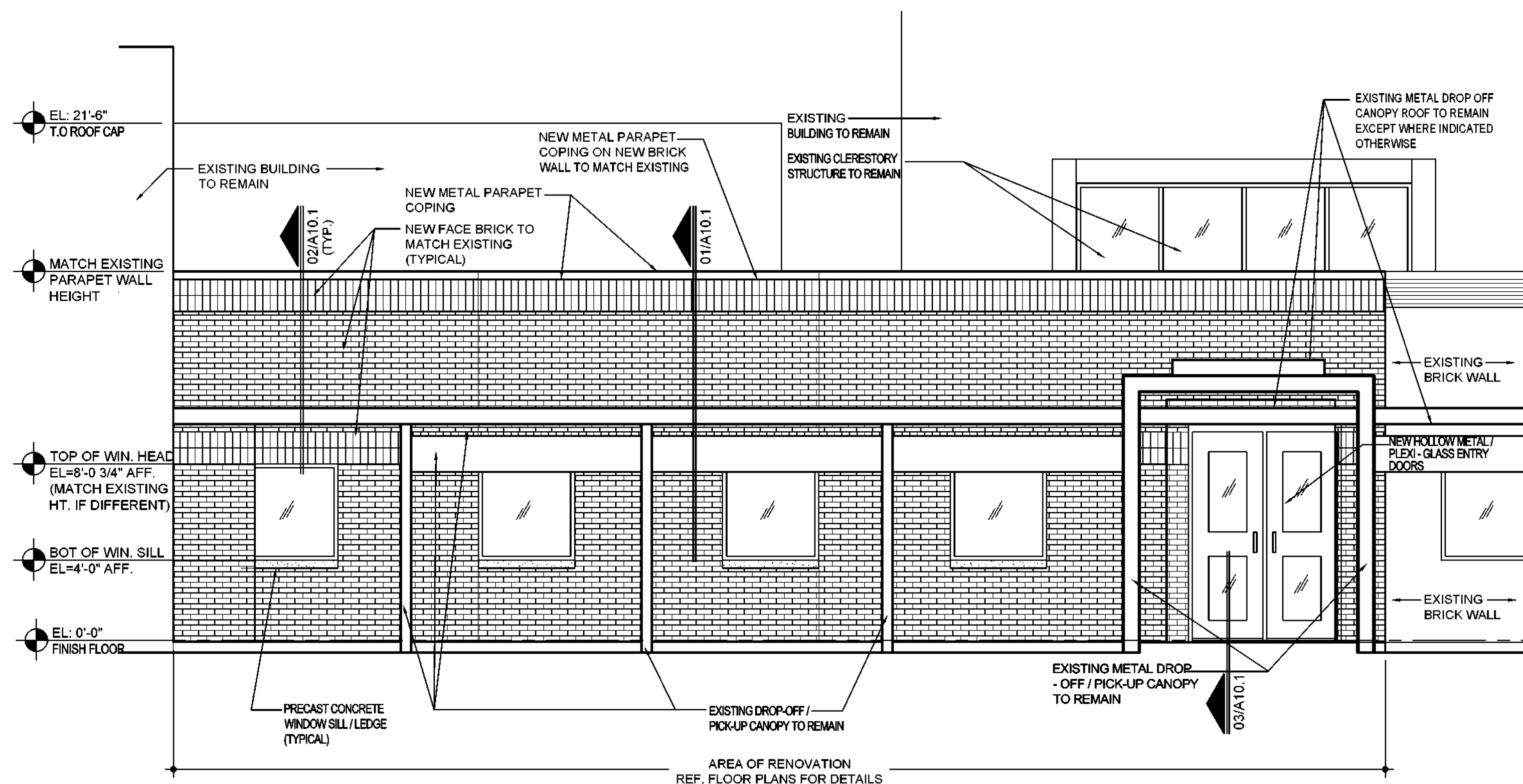
**01 NORTH / FRONT ELEVATION - DEMO**

SCALE: 1/8" = 1'-0"  
HALF SIZE: 1/16" = 1'-0"



**02 NORTH / FRONT ELEVATION**

SCALE: 1/8" = 1'-0"  
HALF SIZE: 1/16" = 1'-0"

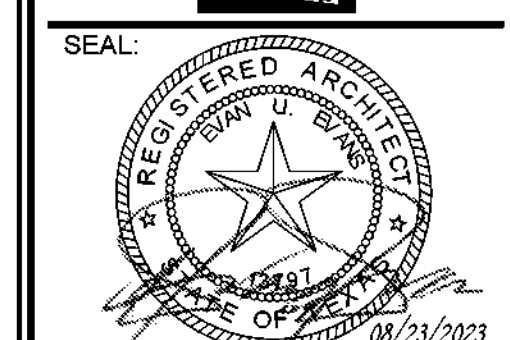


**03 ENLARGED NORTH/FRONT ELEVATION**

SCALE: 1/4" = 1'-0"  
HALF SIZE: 1/8" = 1'-0"

OWNER:  
**DALLAS**  
INDEPENDENT SCHOOL DISTRICT  
DALLAS INDEPENDENT SCHOOL DISTRICT  
9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
ARCHITECTURE - ENGINEERING - CONSTRUCTION - INSPECTIONS  
13140 NORTH COIT ROAD - SUITE 230  
DALLAS, TEXAS 75240  
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FAX: (214) 340-0205



CONSULTANT SEAL:

Revisions	Issues

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ELEMENTARY SCHOOL RENOVATIONS  
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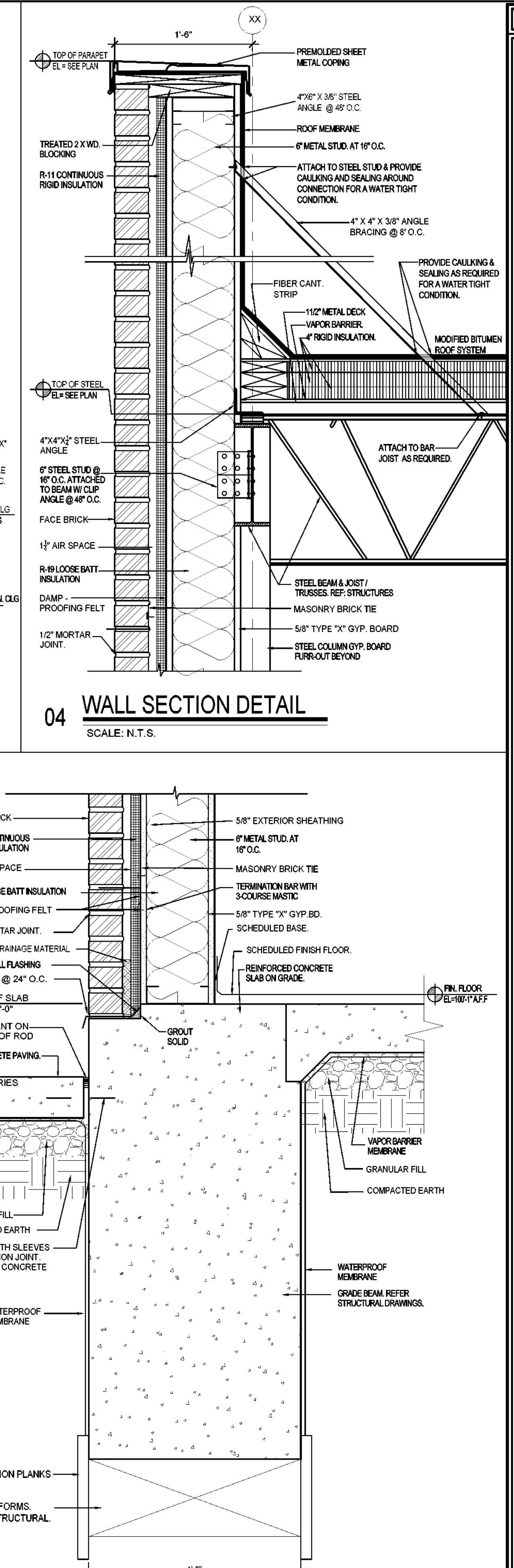
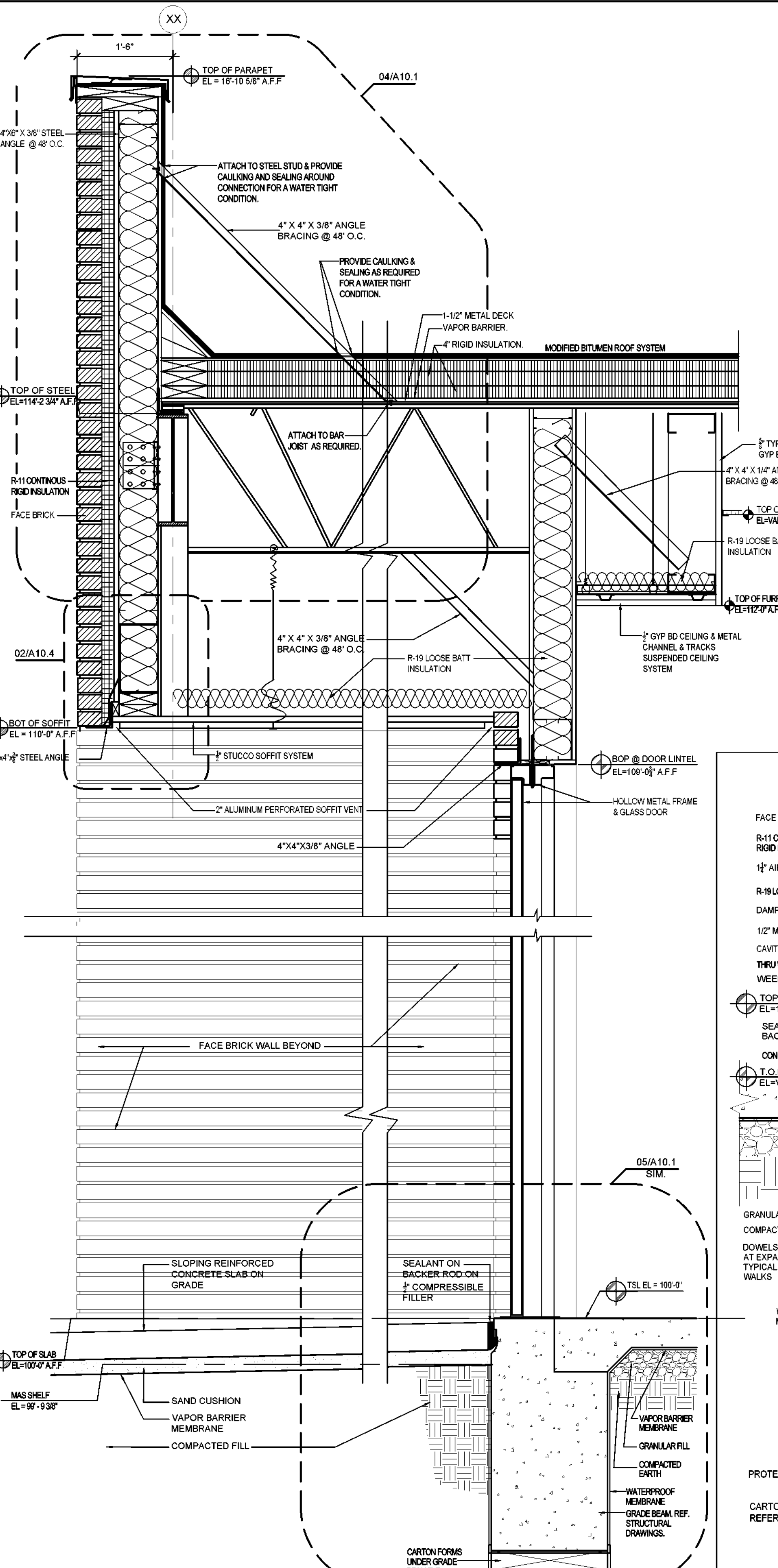
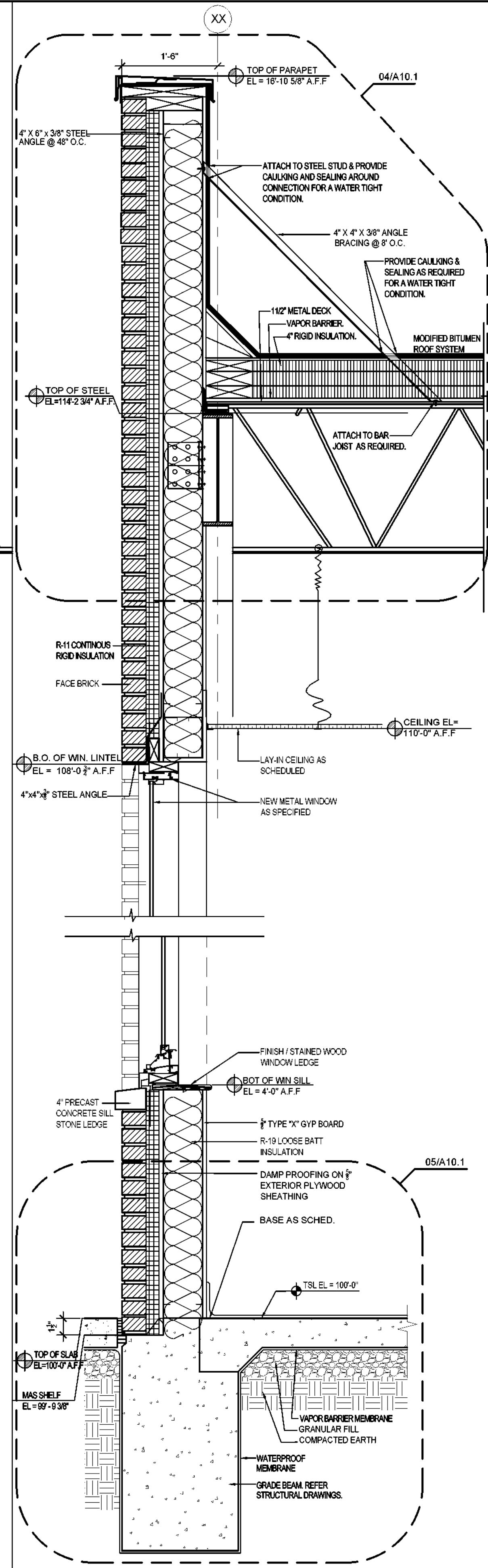
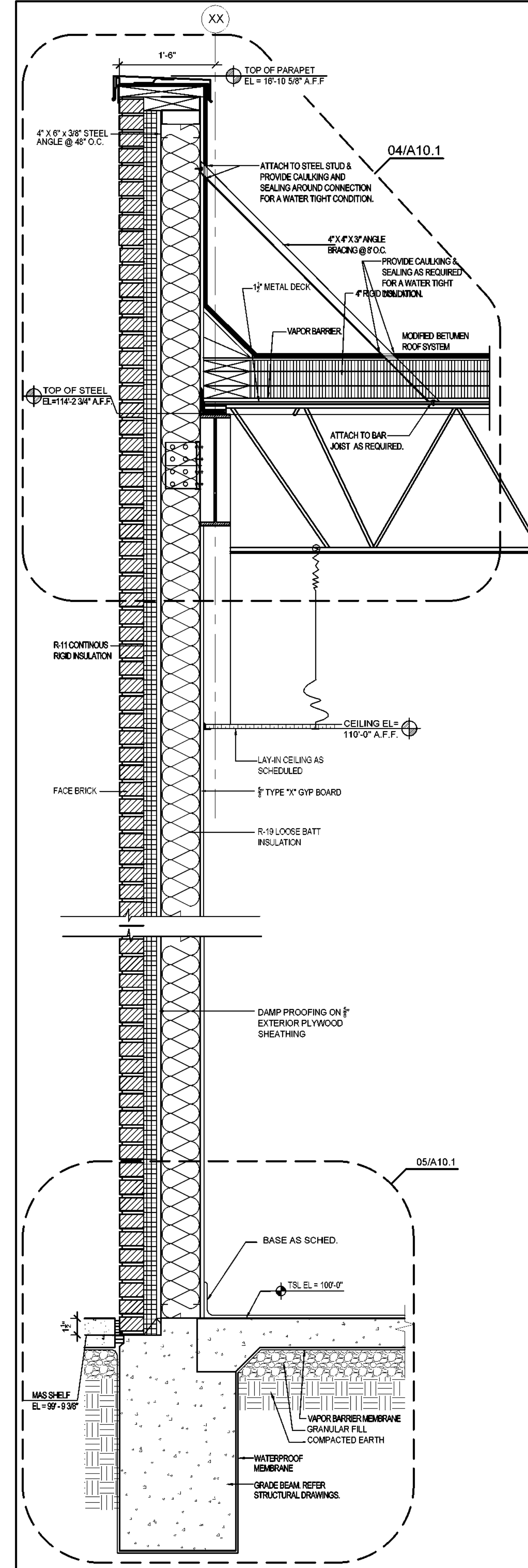


SHEET NAME:  
**EXTERIOR FRONT & ENLARGED BUILDING ELEVATIONS**

Job 1025202  
Date 08-23-2023  
Drawn de  
Check EE  
PRF  
Sheet **A8.0**  
Of SHEETS







**01 WALL SECTION**  
 SCALE: 1 1/2" = 1'-0"  
 HALF SCALE: 3/4" = 1'-0"

**02 WALL SECTION DETAIL**  
 SCALE: 1 1/2" = 1'-0"  
 HALF SCALE: 3/4" = 1'-0"

**03 WALL SECTION DETAIL @ FURRDOWN**  
 SCALE: 1 1/2" = 1'-0"  
 HALF SCALE: 3/4" = 1'-0"

**04 WALL SECTION DETAIL**  
 SCALE: N.T.S.

OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 DALLAS INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS, TEXAS 75231

ARCHITECT:  
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REGISTERED ARCHITECT  
 STATE OF TEXAS  
 00/23/2023

CONSULTANT SEAL:

Revisions	Issues

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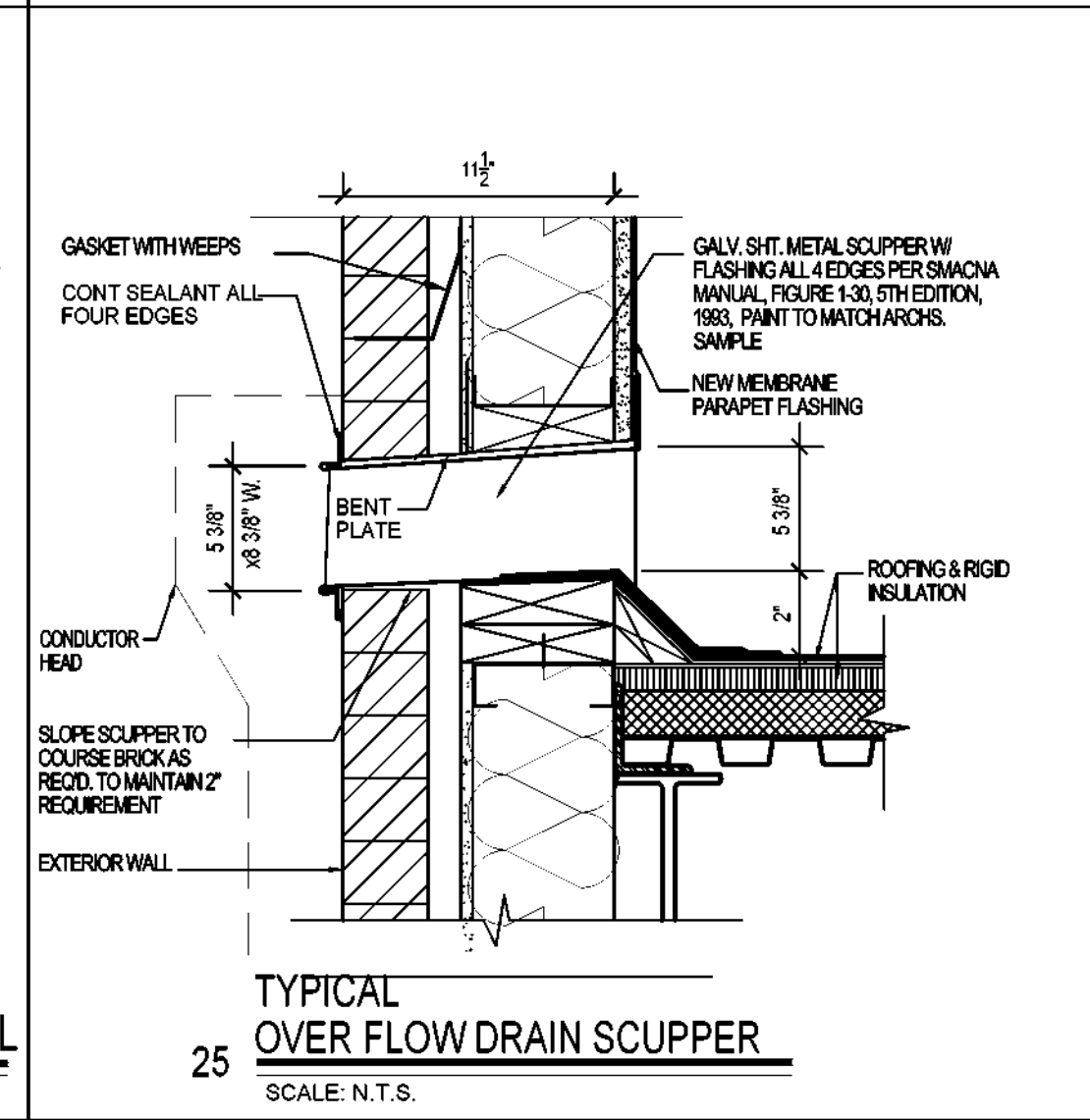
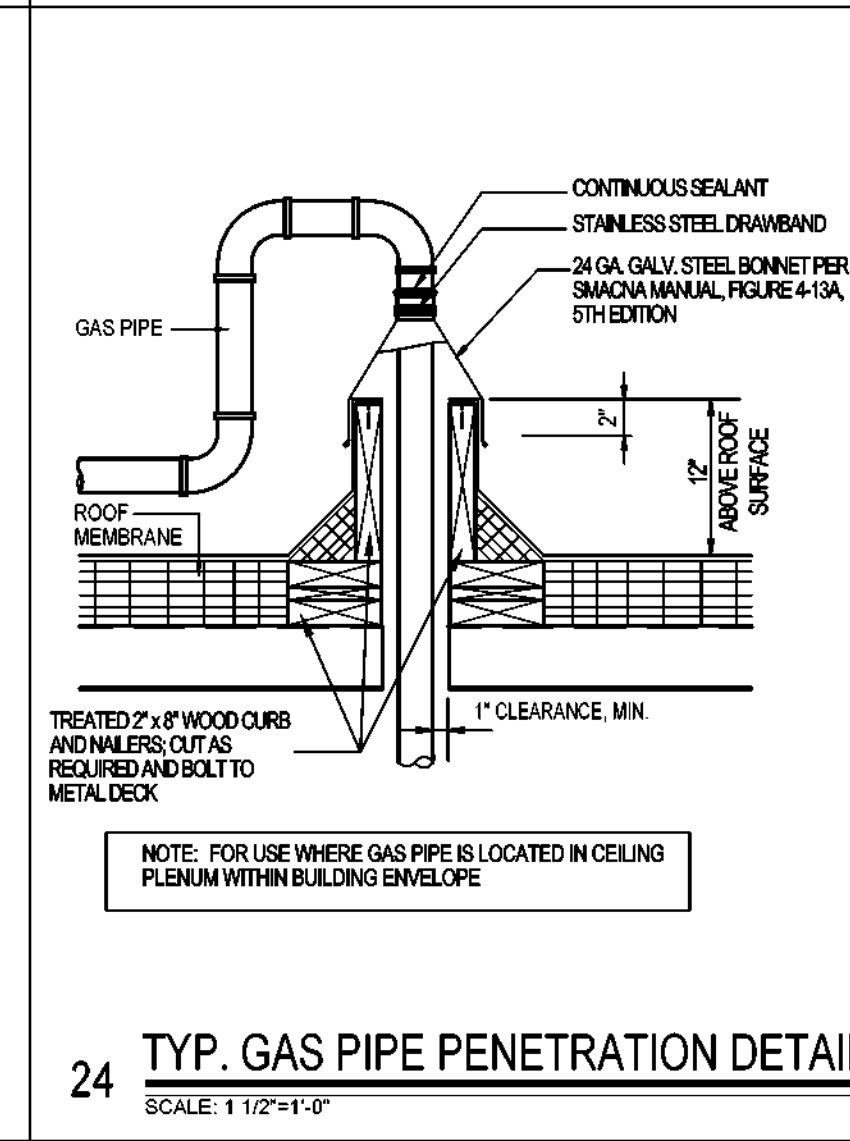
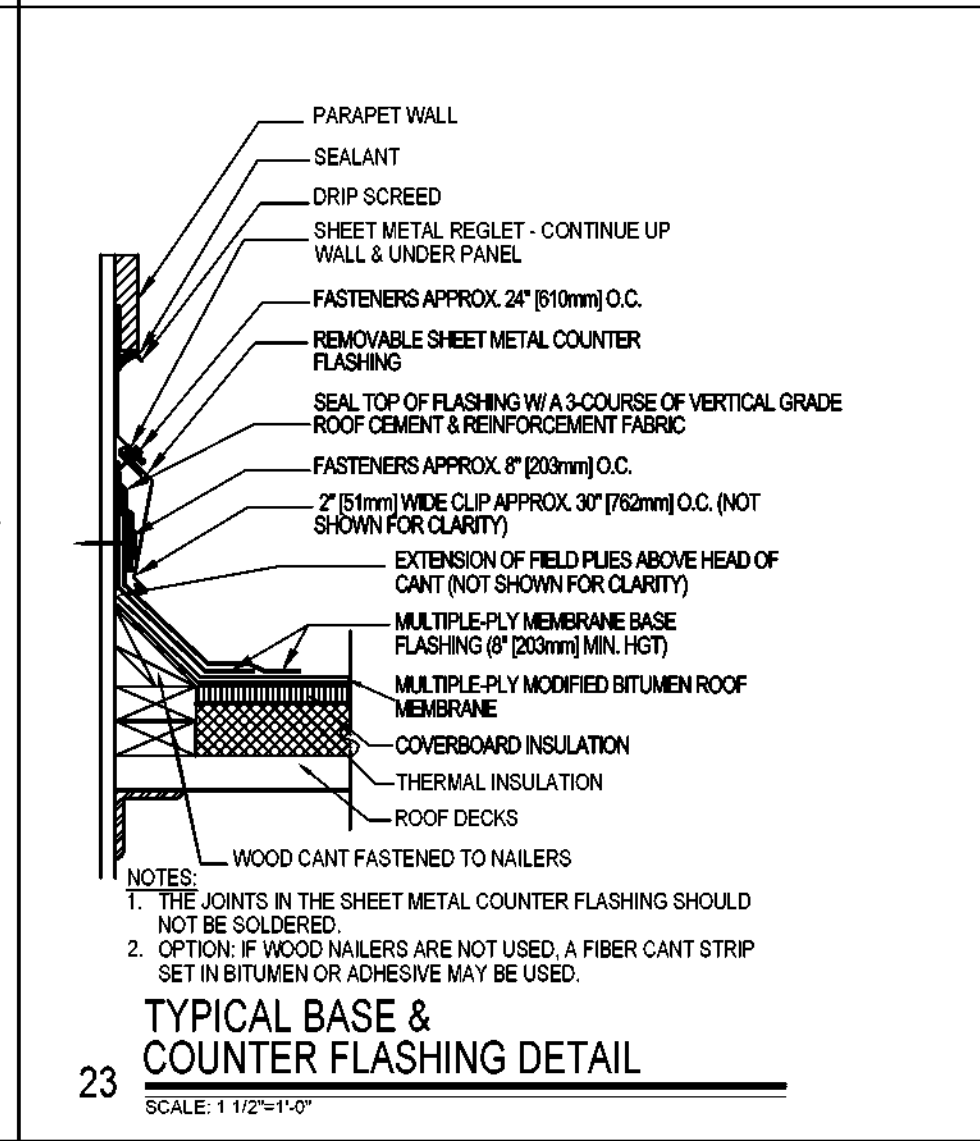
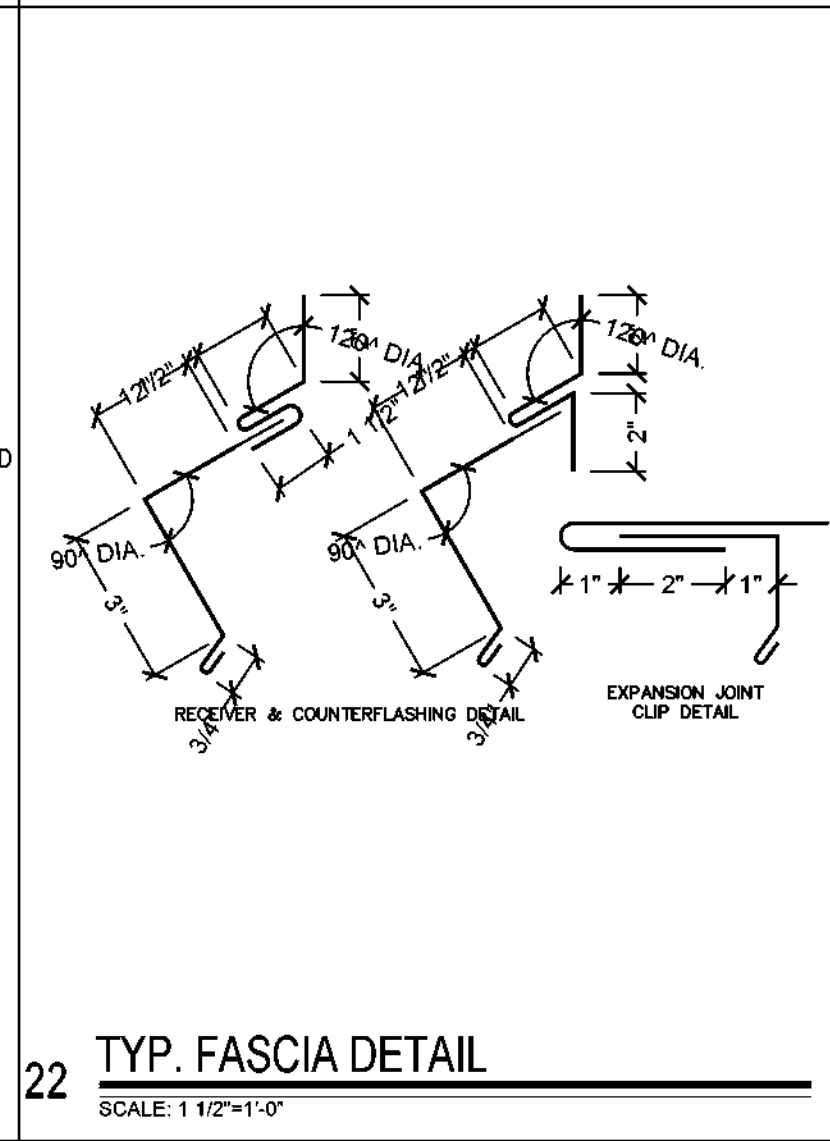
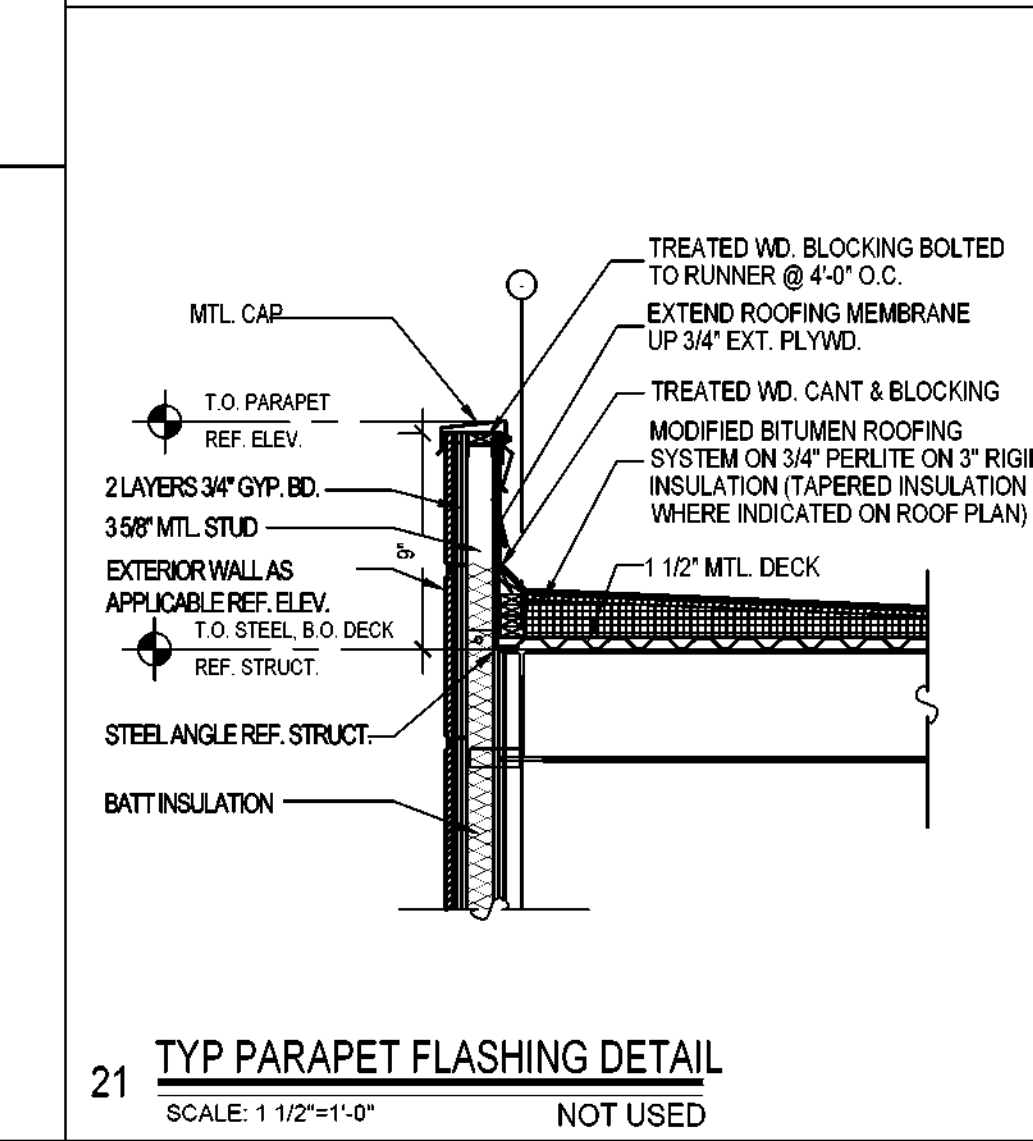
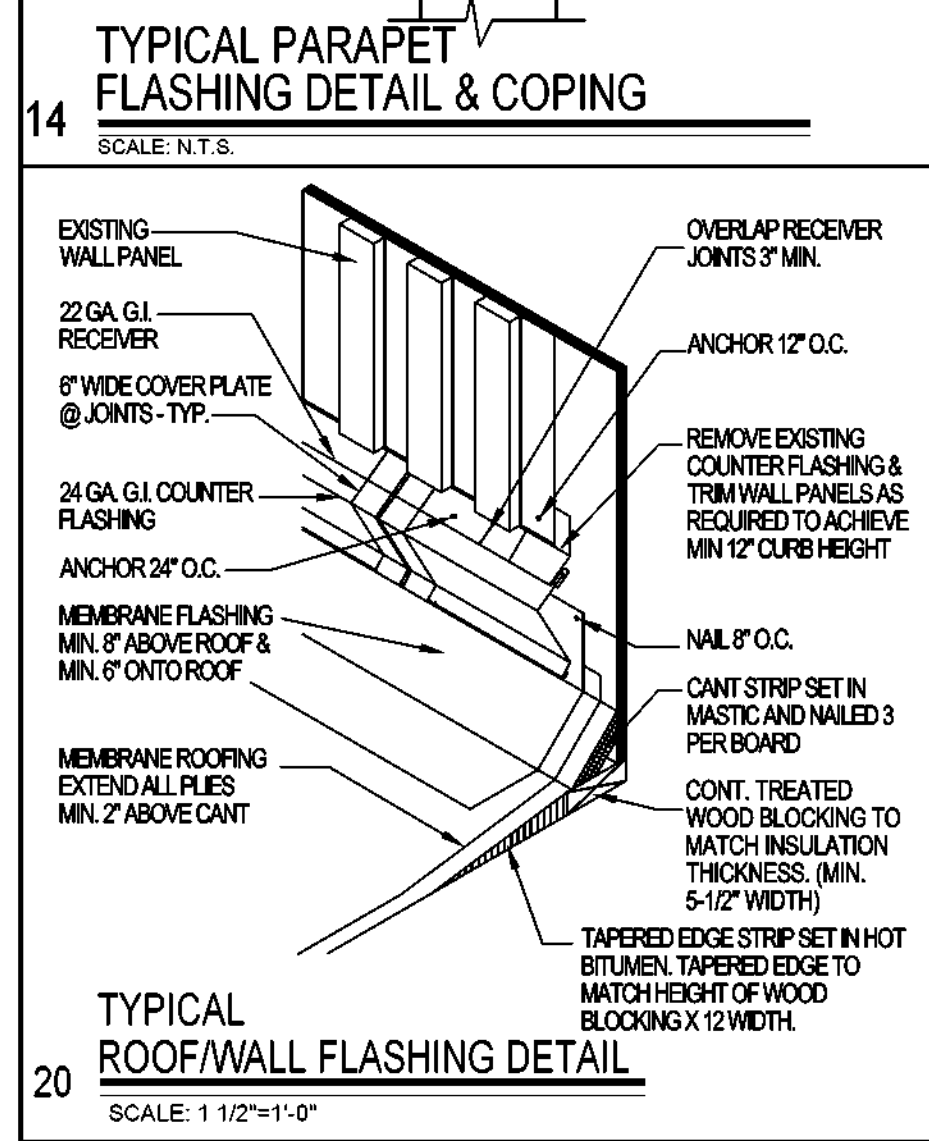
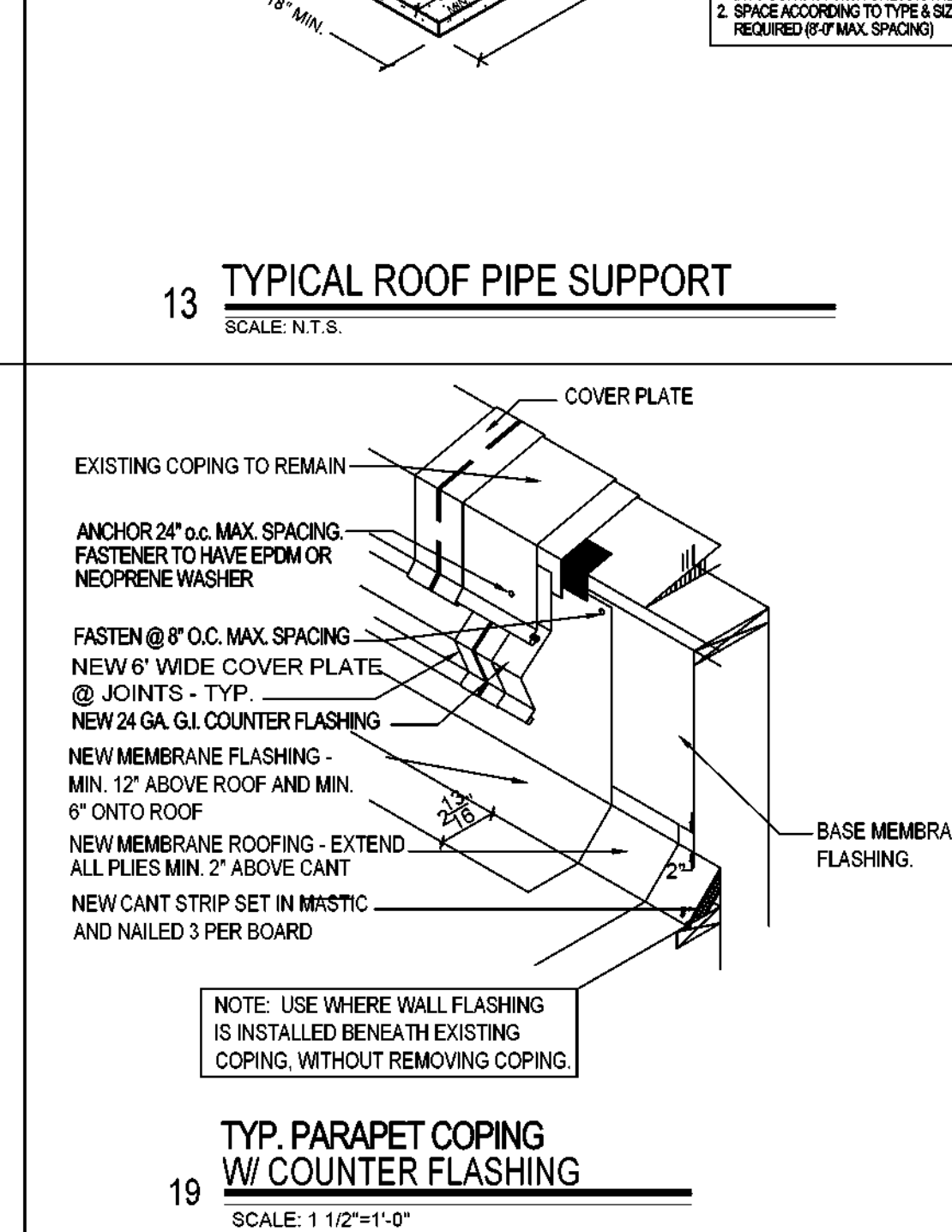
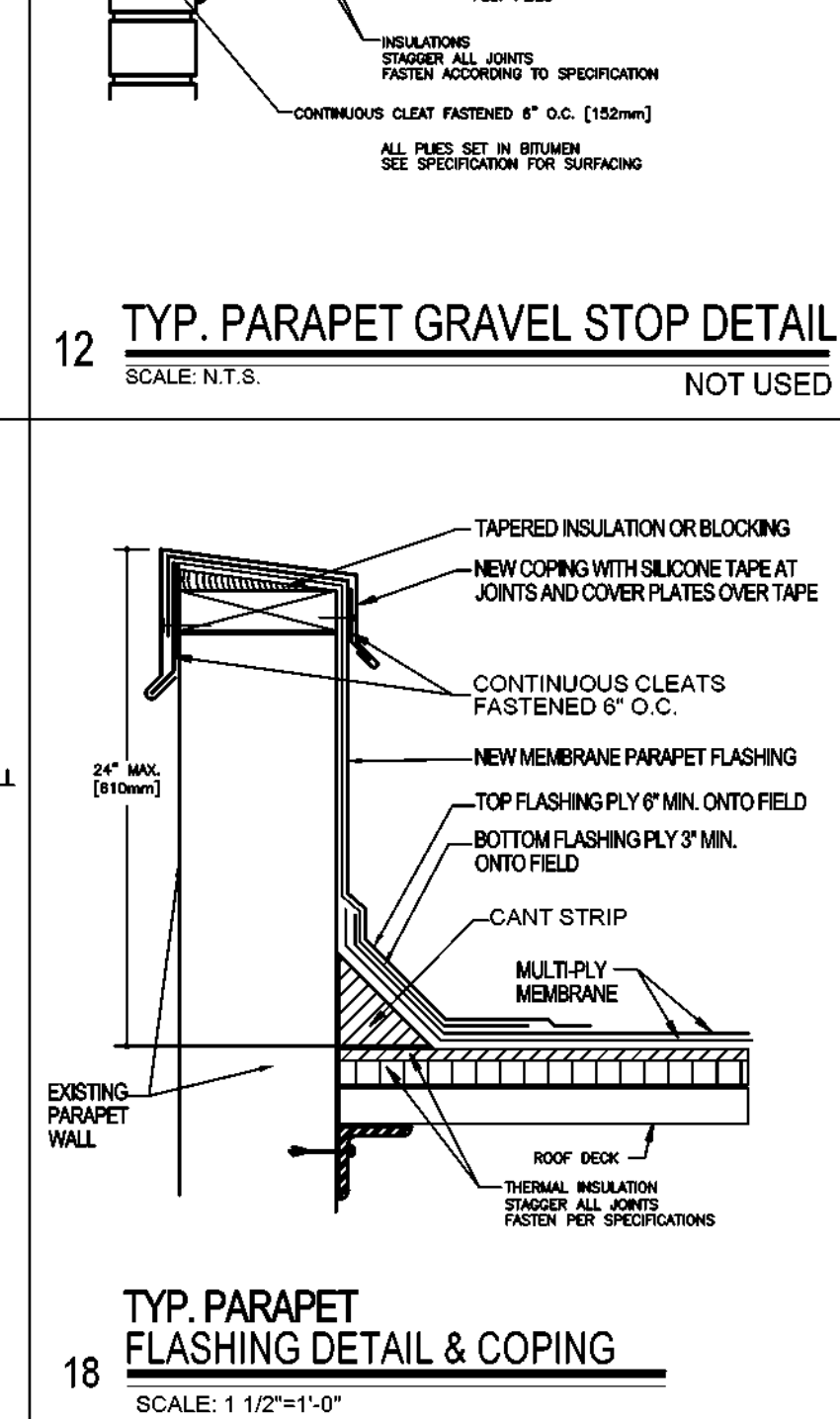
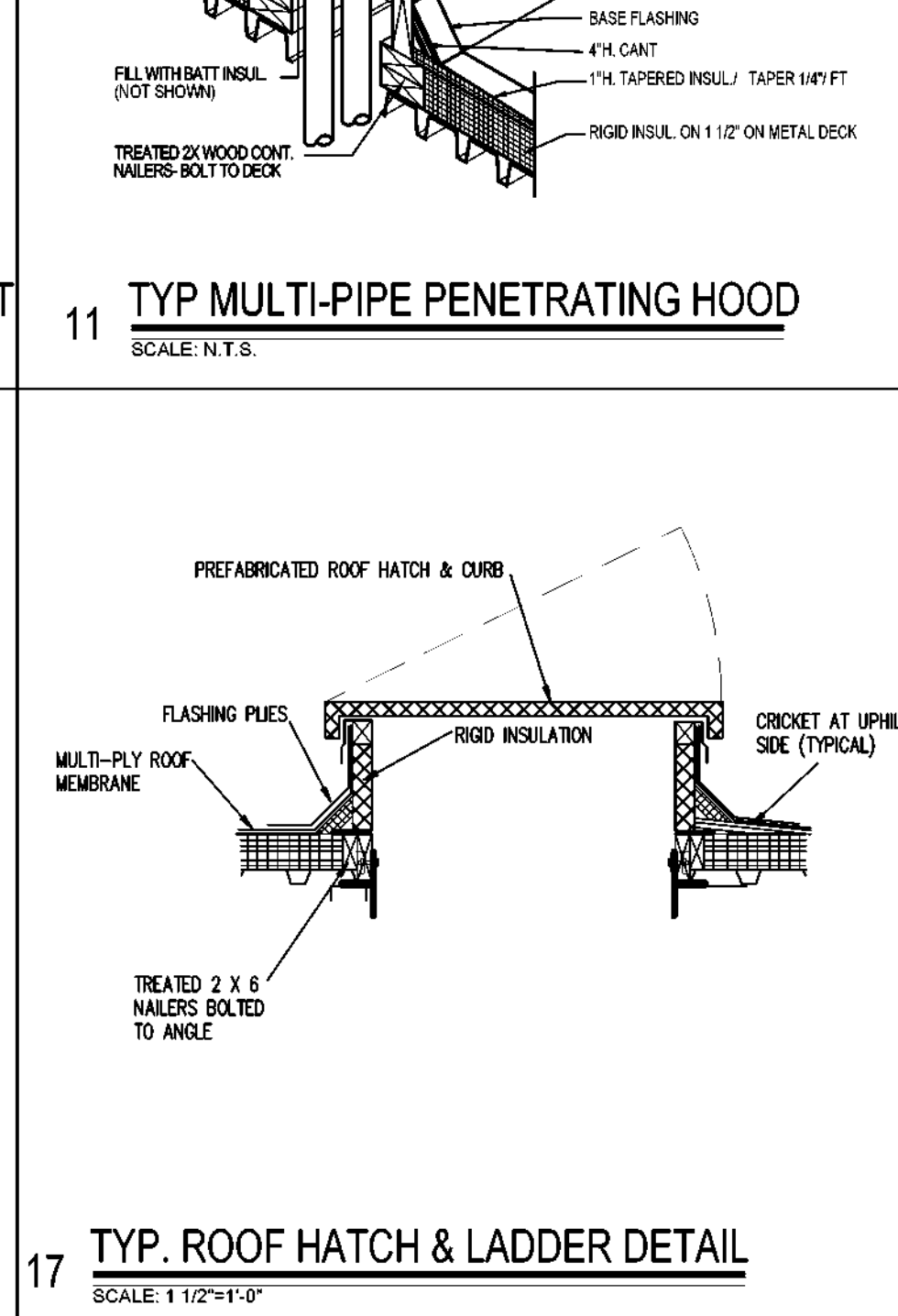
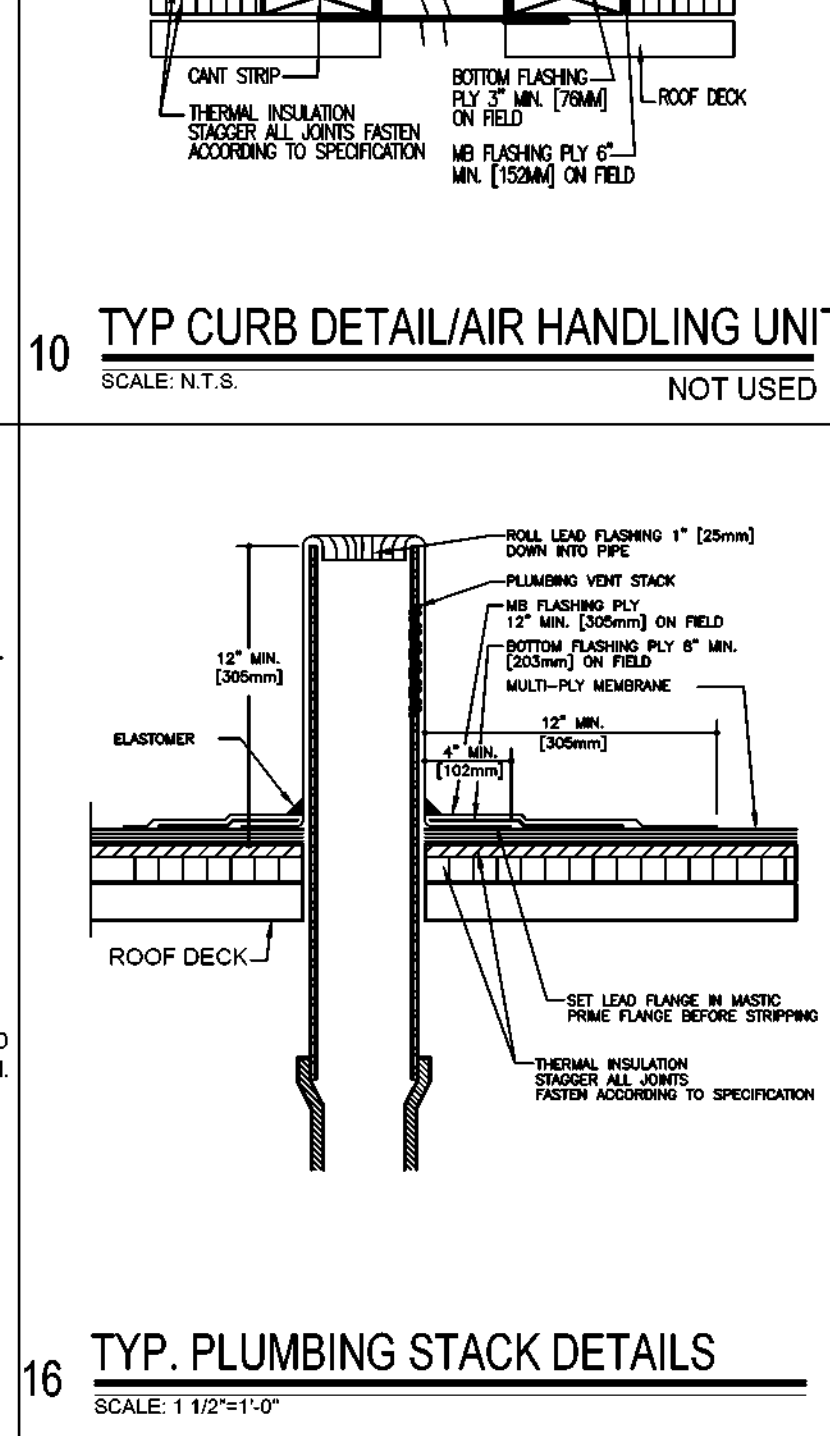
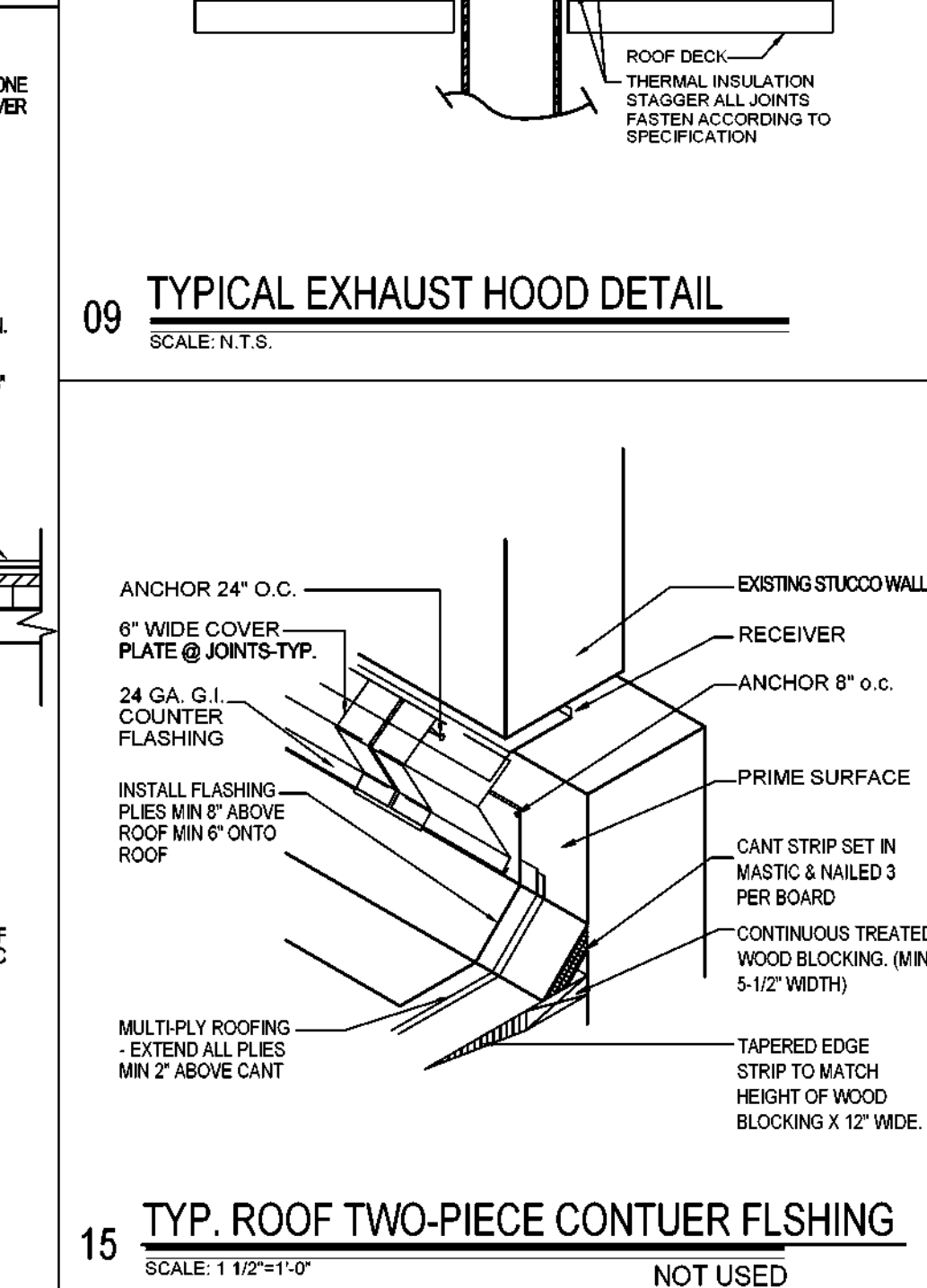
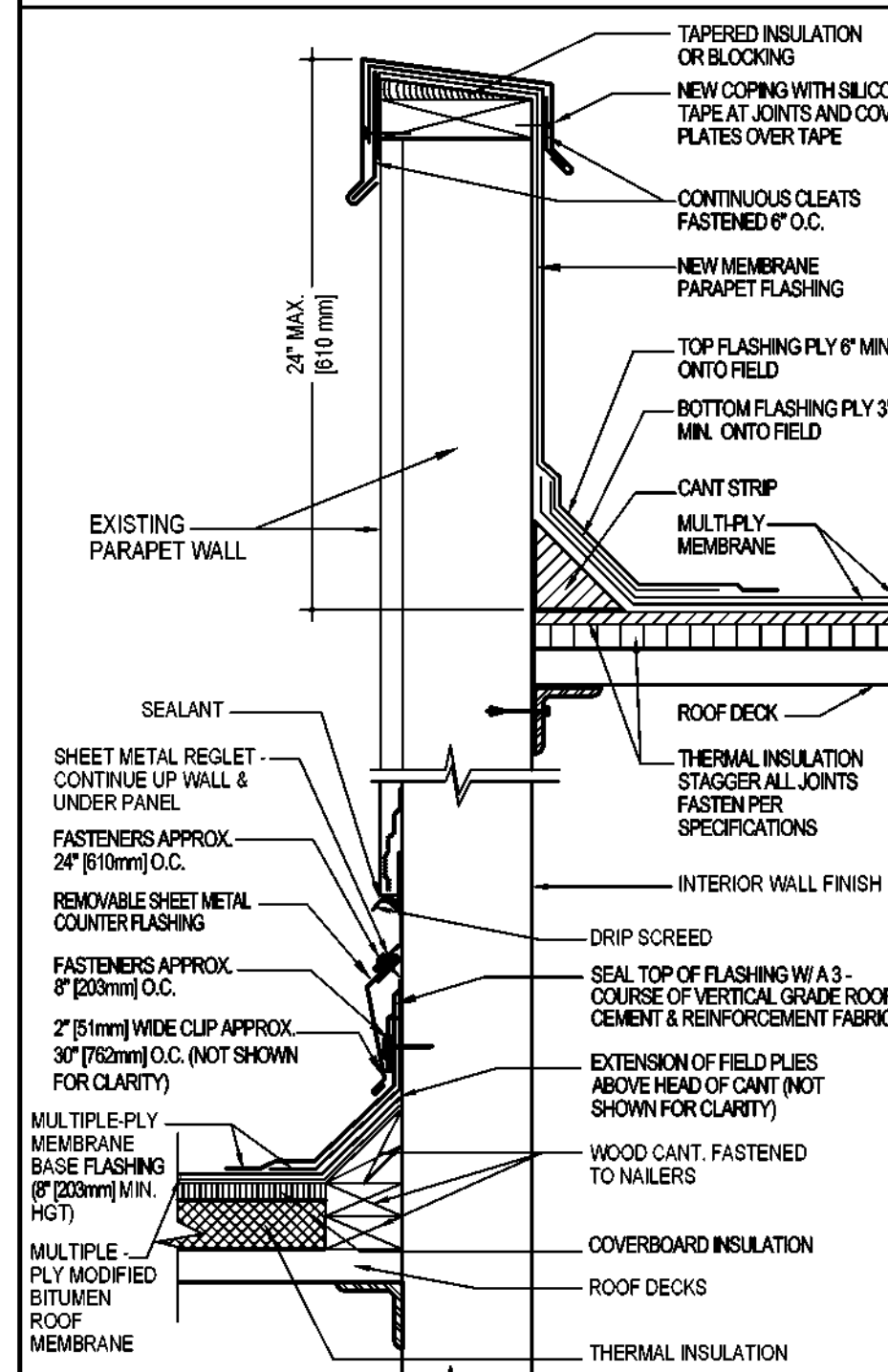
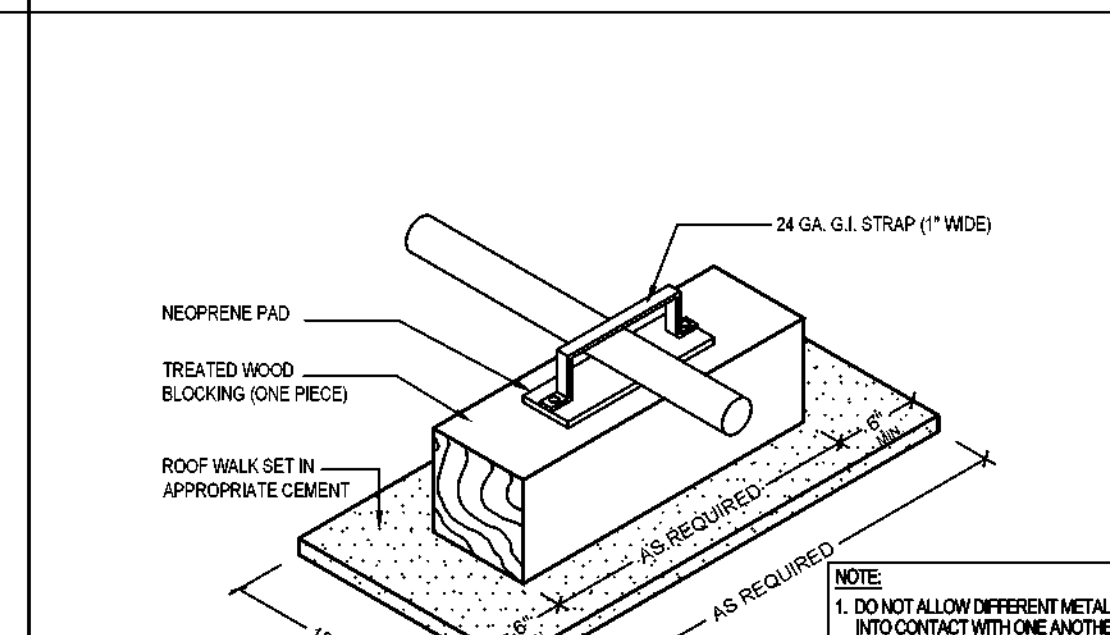
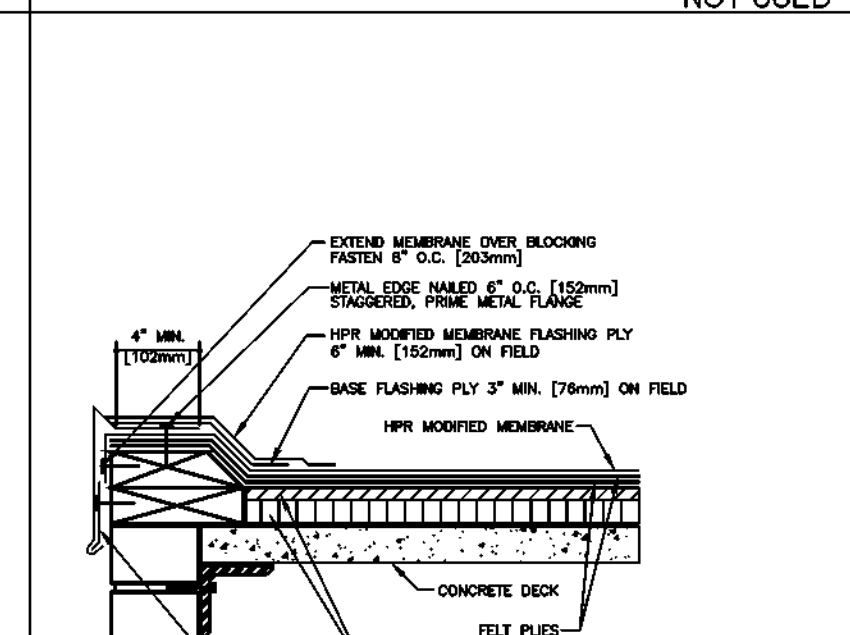
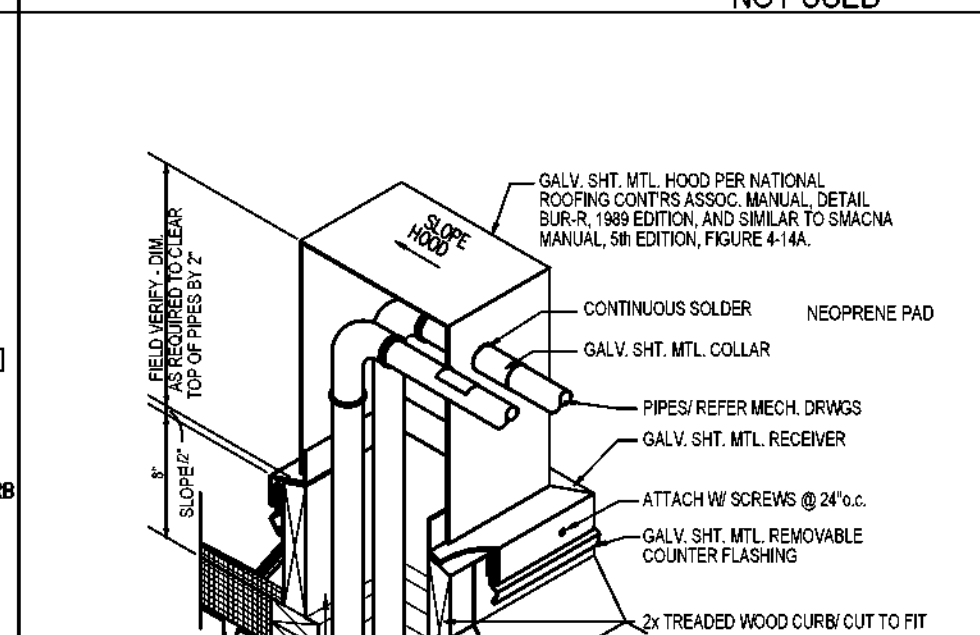
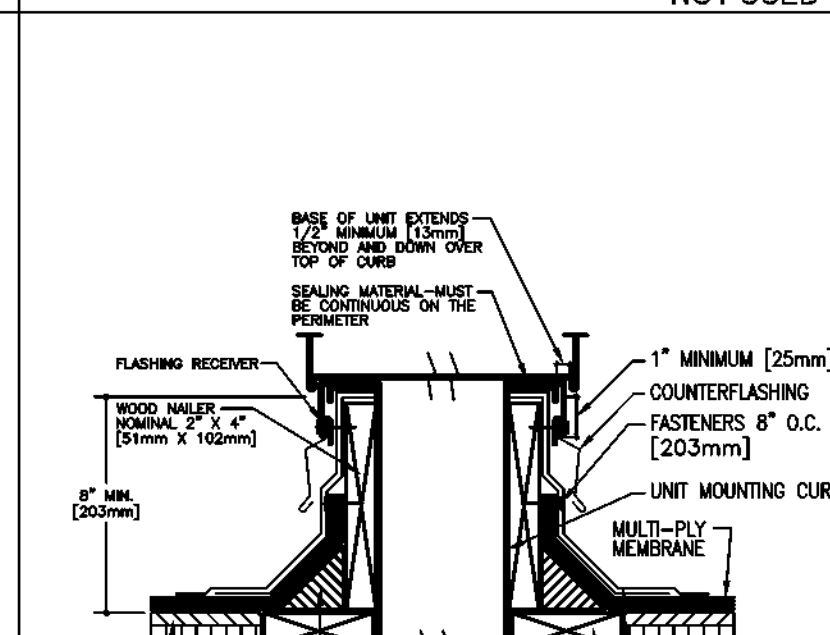
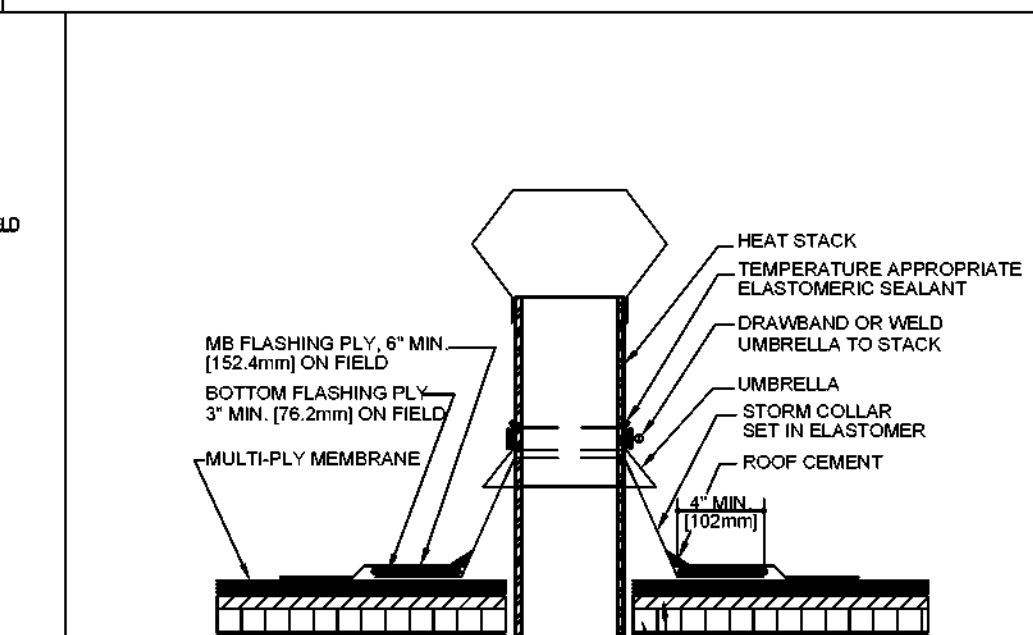
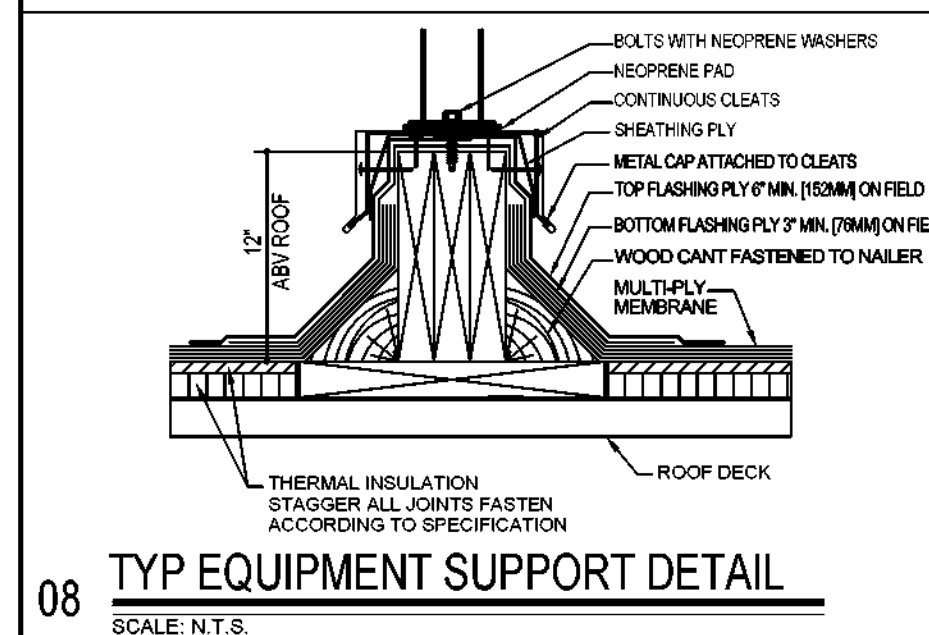
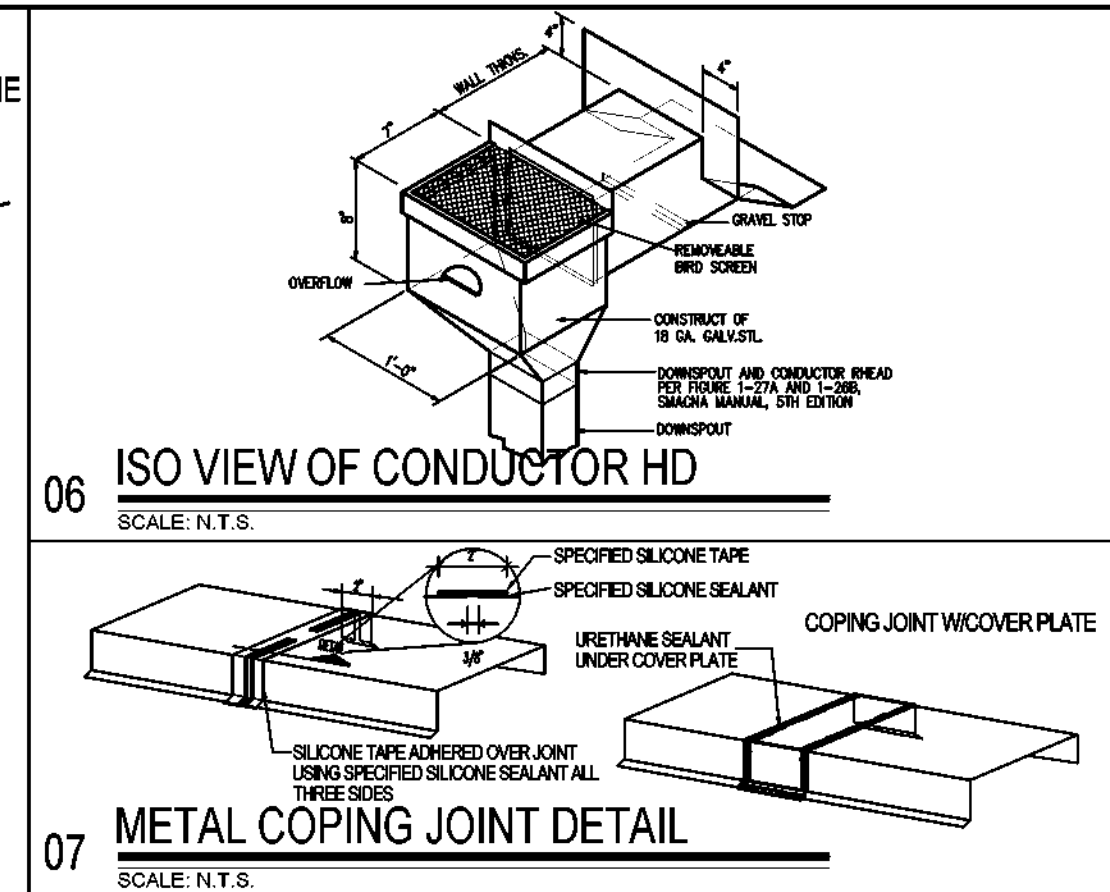
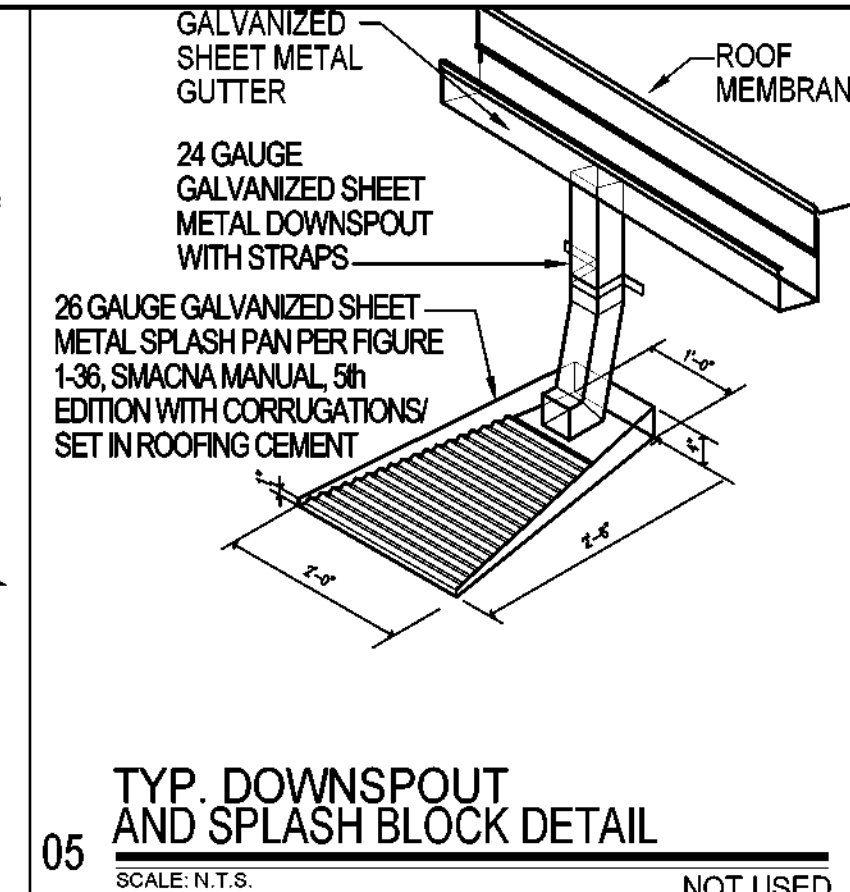
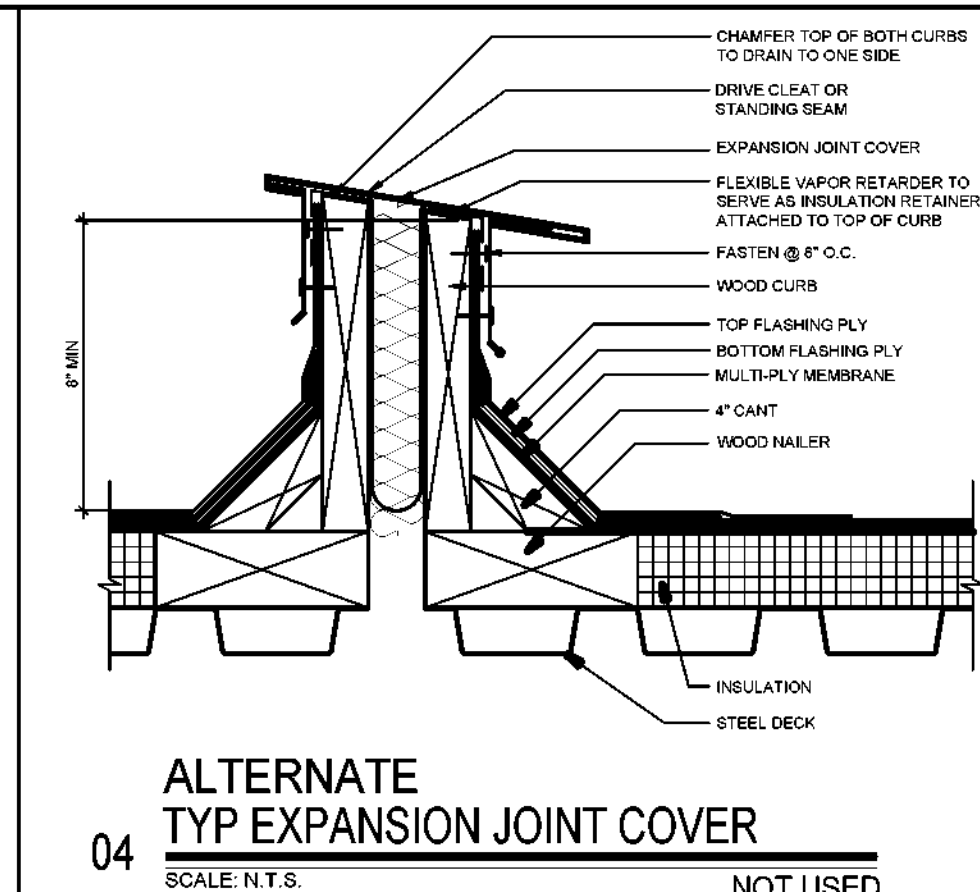
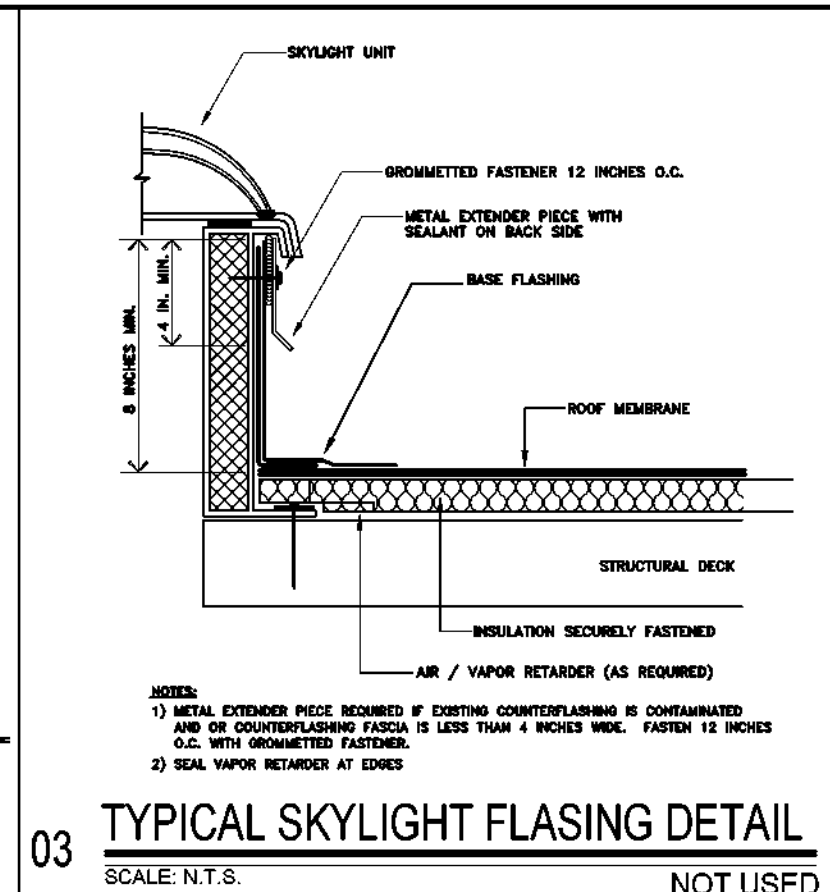
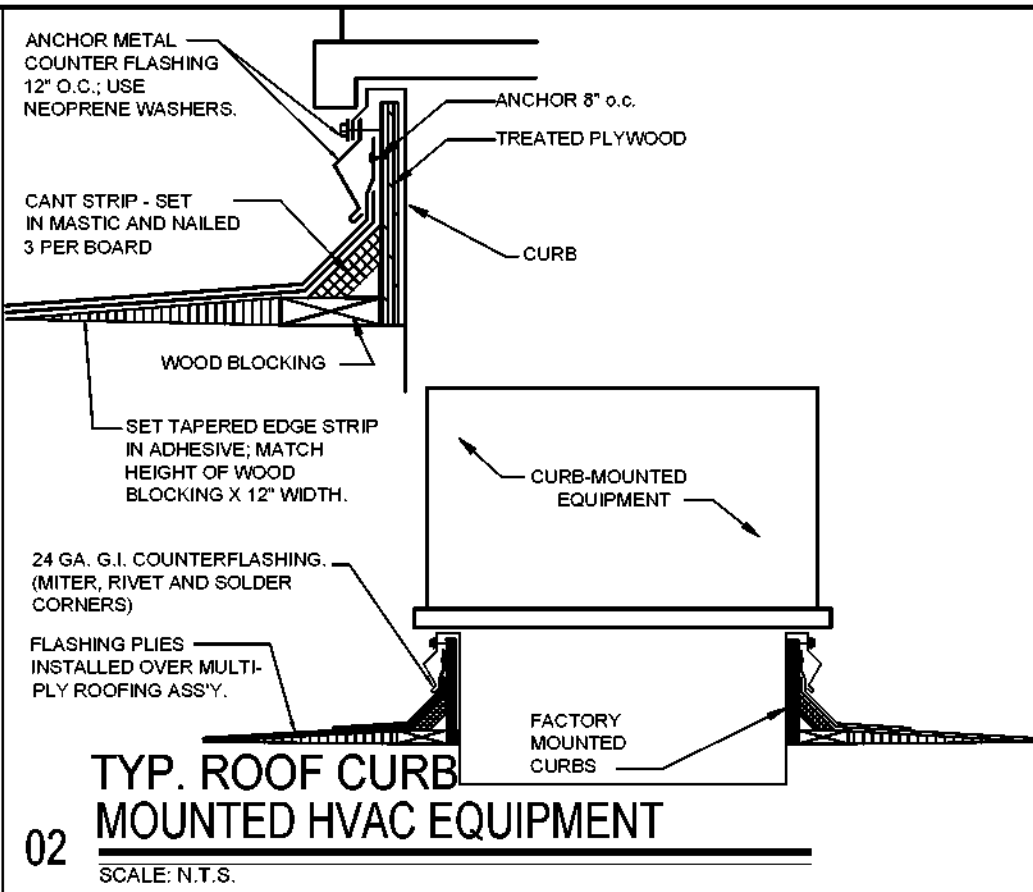
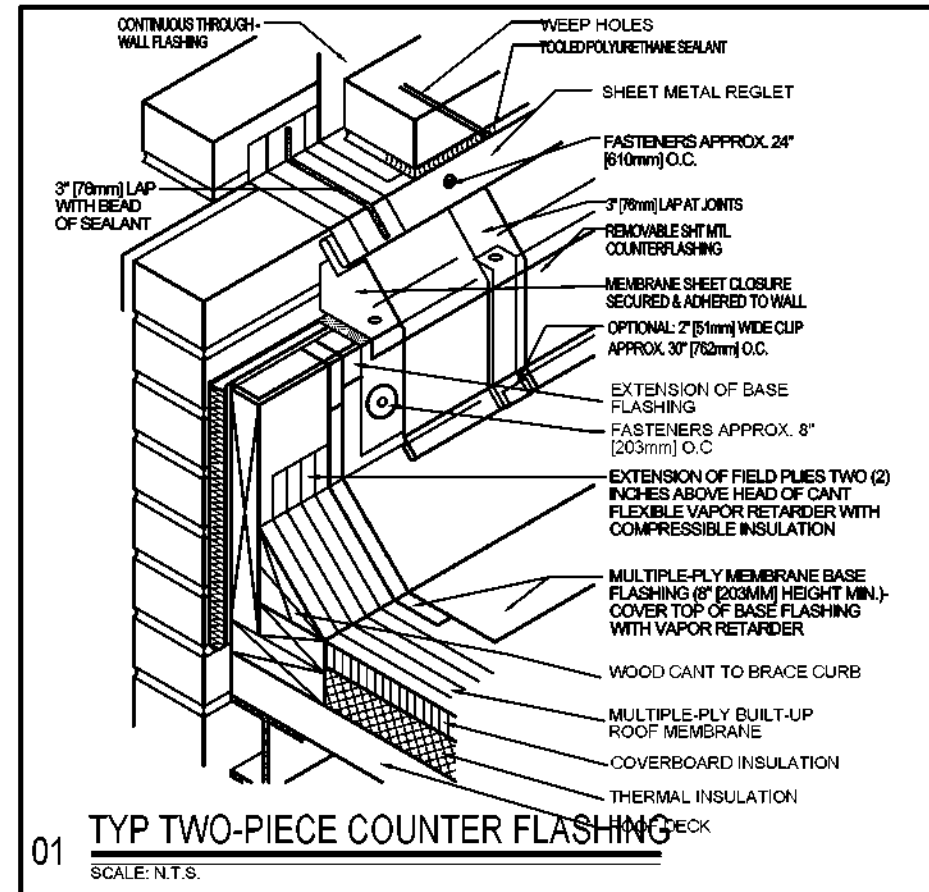
**BOND 2020**  
 888-561-8813 20% OVERSIGHT RESERVE

SHEET NAME:  
**BUILDING WALL SECTIONS AND DETAILS**

Job 1025202  
 Date 08-23-2023  
 Drawn de  
 Check EE  
 PRF  
 Sheet **A10.1**  
 Of SHEETS







OWNER: **DALLAS** INDEPENDENT SCHOOL DISTRICT  
DALLAS INDEPENDENT SCHOOL DISTRICT  
9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
DALLAS TEXAS 75231

ARCHITECT: **E. EVANS ASSOCIATES, INC.**  
ARCHITECTURE-ENGINEERING-CONSTRUCT-INSPECT-INTERIORS  
13140 NORTH COIT ROAD - SUITE 230  
DALLAS, TEXAS 75240  
www.evansassoc.com  
PH: (214) 340-4440  
FAX: (214) 340-0200

SEAL: **REGISTERED ARCHITECT**  
STATE OF TEXAS  
08/23/2023  
CONSULTANT SEAL:

AMTECH SOLUTIONS  
FOUNDED ON BUILDING SCIENCES  
5302 STATE PARKWAY, STE. 305 - PLANO, TX 75094

MAYFIELD  
BUILDING ENVELOPE CONSULTANTS  
P. O. BOX 140390 - DALLAS, TEXAS 75214

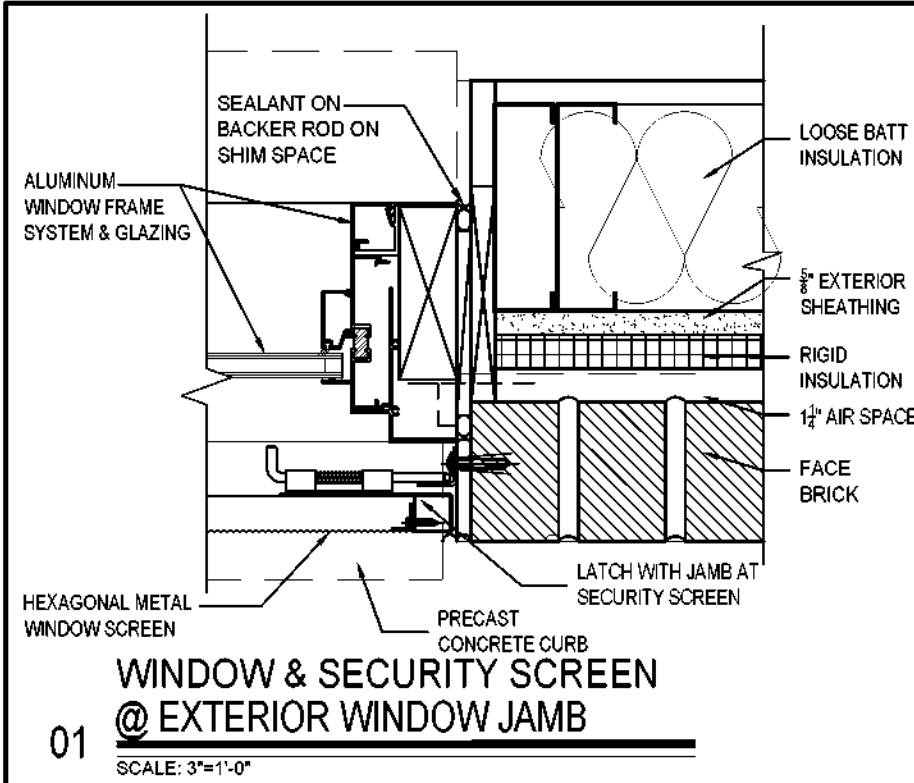
Revisions Issues

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
ELEMENTARY SCHOOL RENOVATIONS  
1665 DUNCANVILLE ROAD - DALLAS, TX.

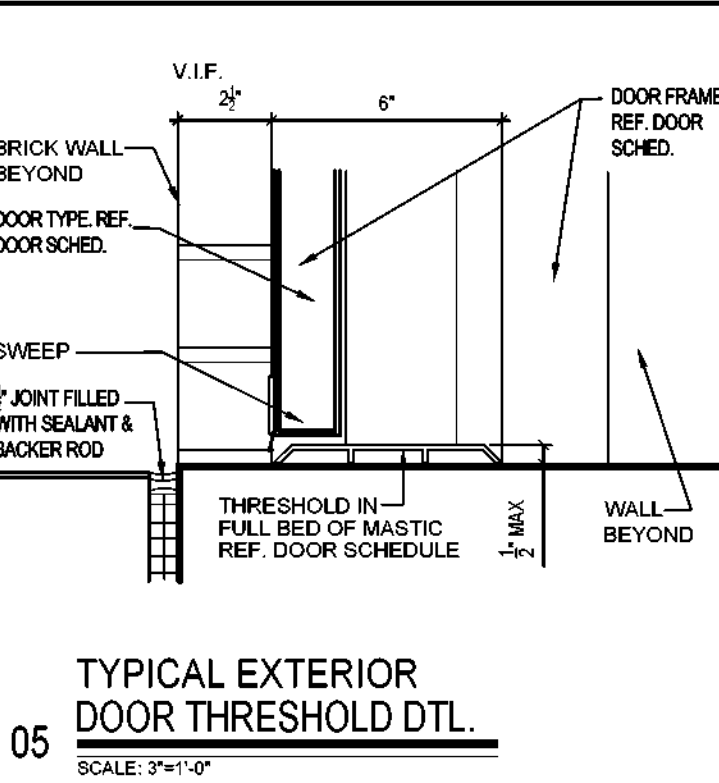
**BOND 2020**  
SEP 20 - SEP 23, 2020 (OVERLAP PERMITTED)

SHEET NAME: **MISC ROOF DETAILS**

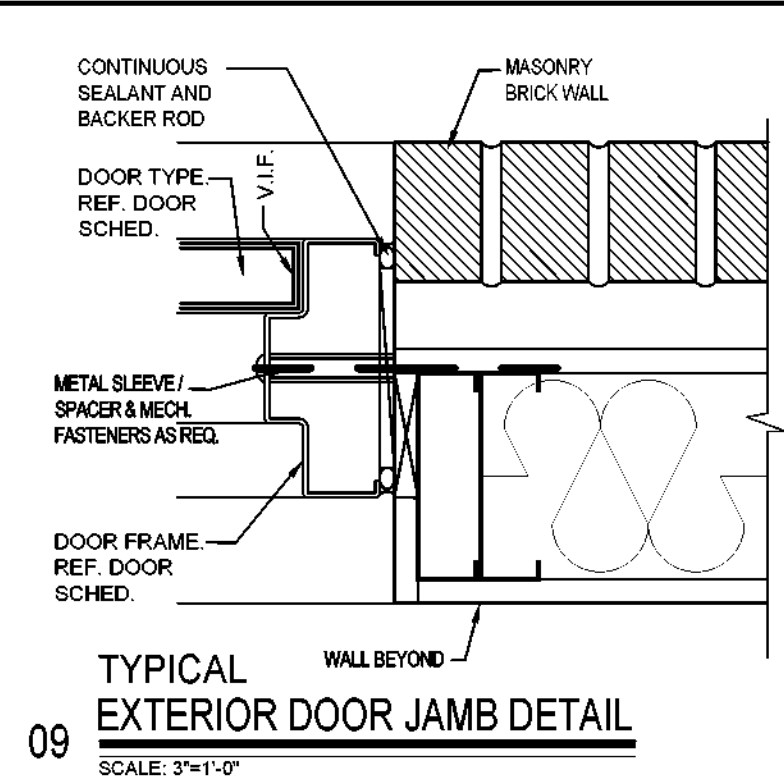
Job 1025202  
Date 08-23-2023  
Drawn de  
Check EE  
PRF  
Sheet **A10.3**  
Of SHEETS



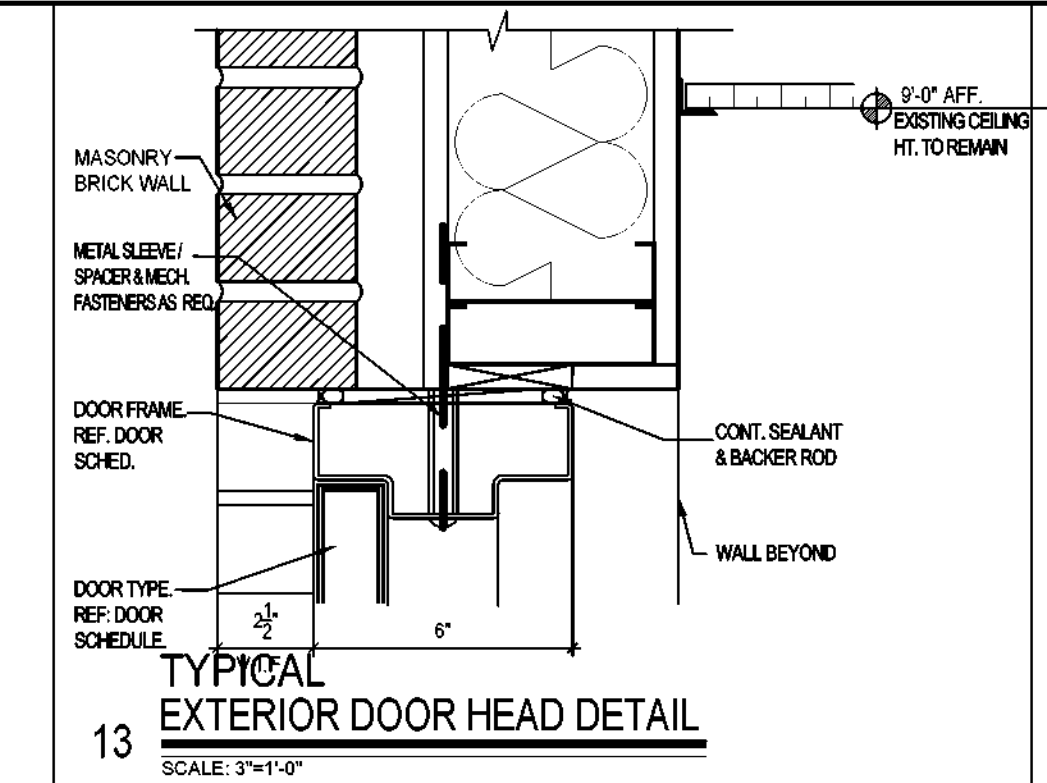
01 WINDOW & SECURITY SCREEN @ EXTERIOR WINDOW JAMB  
SCALE: 3/4"=1'-0"



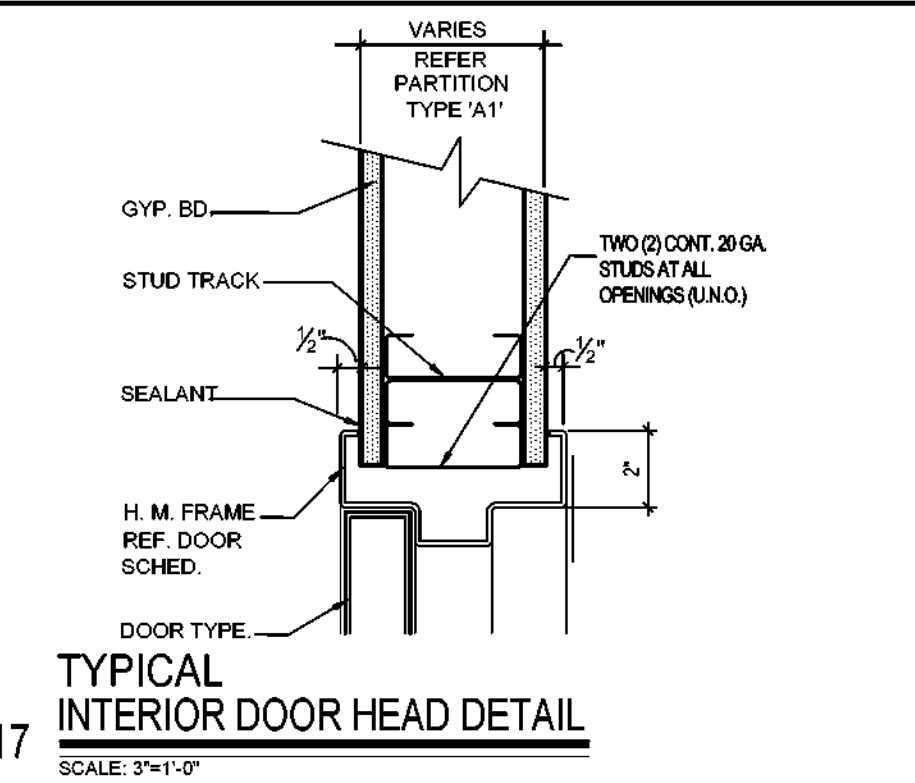
05 TYPICAL EXTERIOR DOOR THRESHOLD DTL.  
SCALE: 3/4"=1'-0"



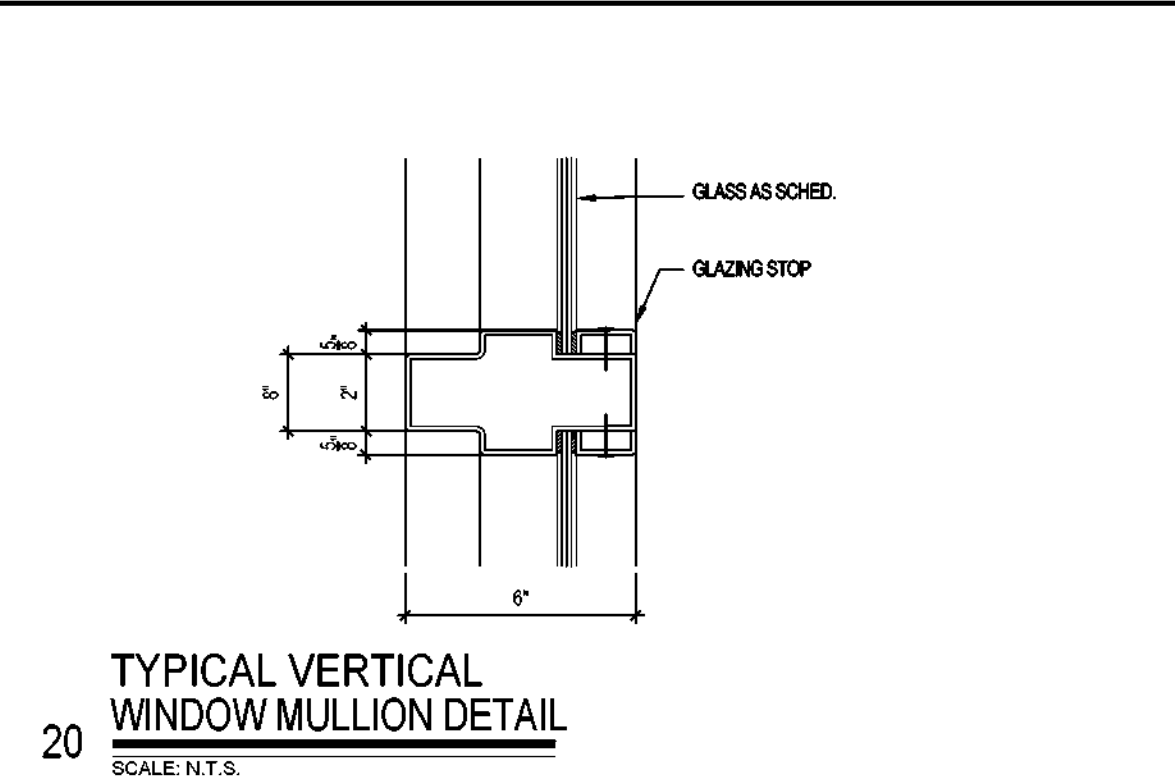
09 TYPICAL EXTERIOR DOOR JAMB DETAIL  
SCALE: 3/4"=1'-0"



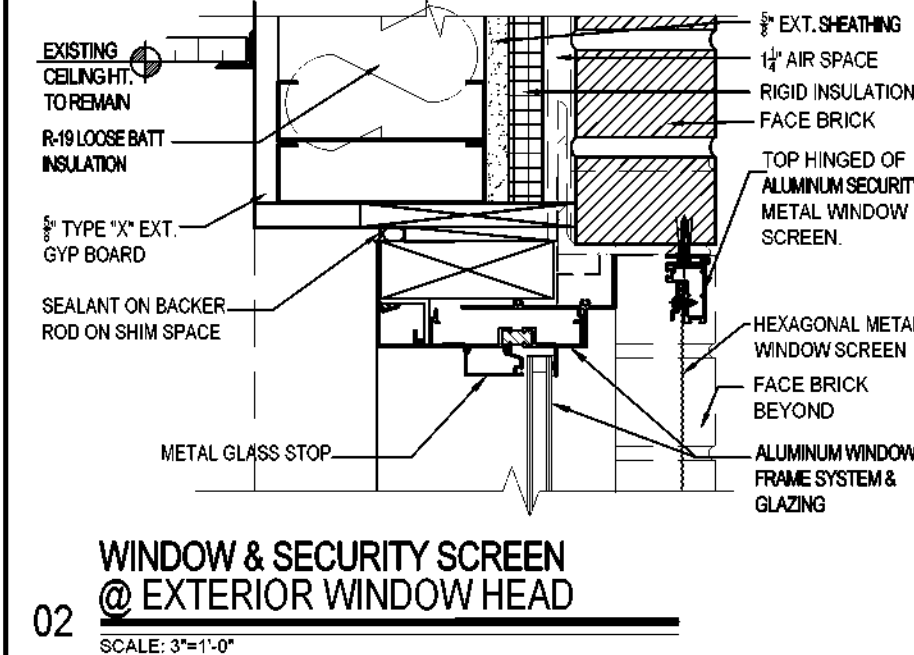
13 TYPICAL EXTERIOR DOOR HEAD DETAIL  
SCALE: 3/4"=1'-0"



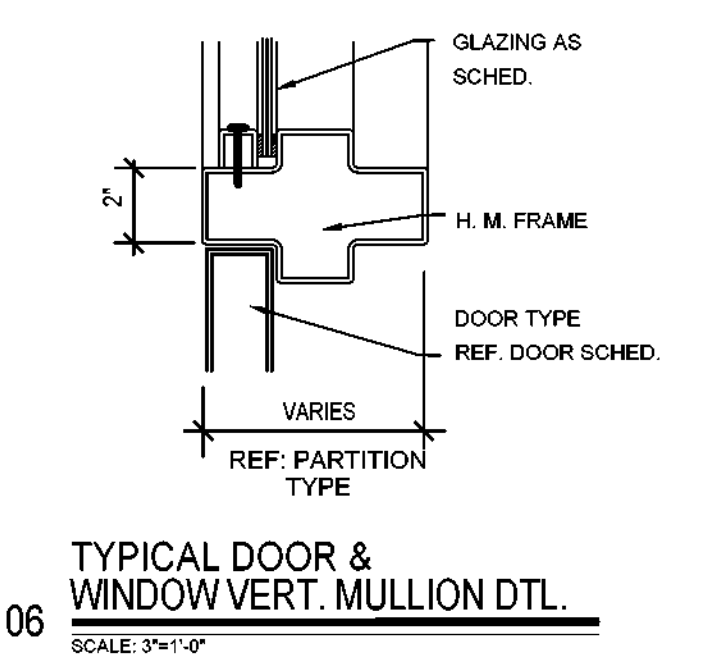
17 TYPICAL INTERIOR DOOR HEAD DETAIL  
SCALE: 3/4"=1'-0"



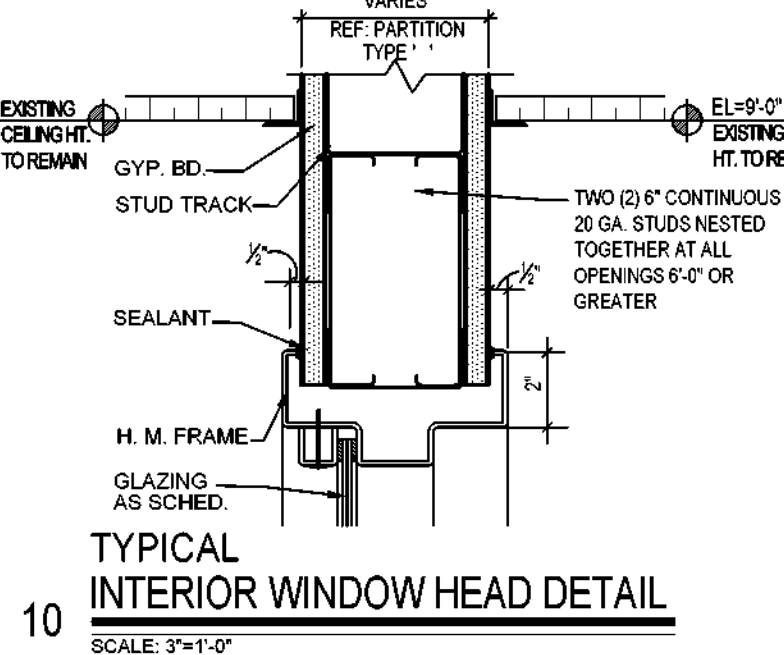
20 TYPICAL VERTICAL WINDOW MULLION DETAIL  
SCALE: N.T.S.



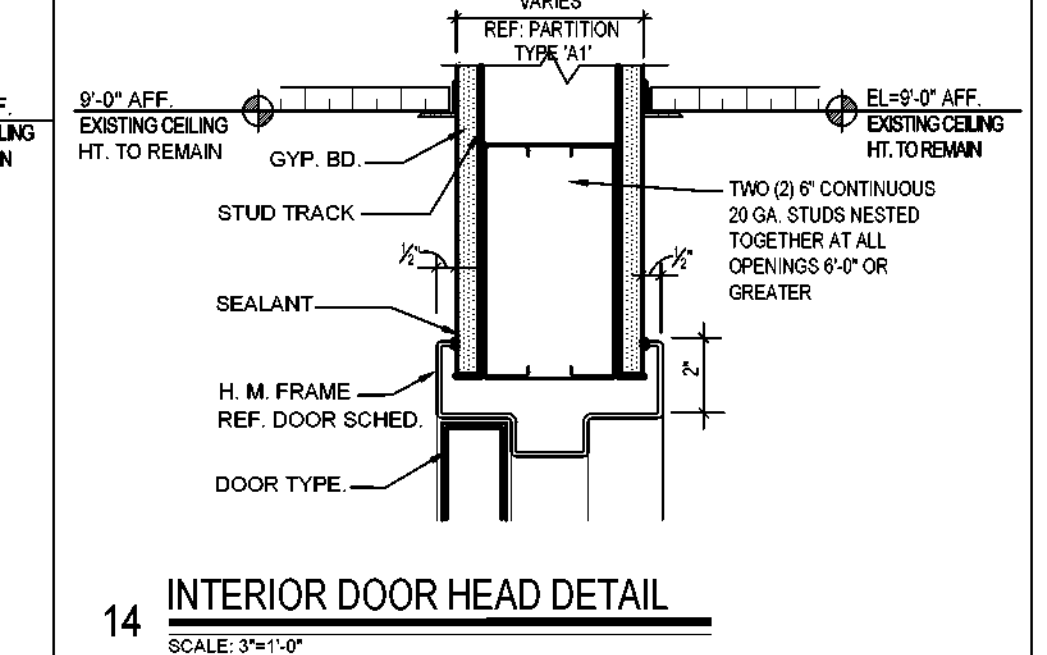
02 WINDOW & SECURITY SCREEN @ EXTERIOR WINDOW HEAD  
SCALE: 3/4"=1'-0"



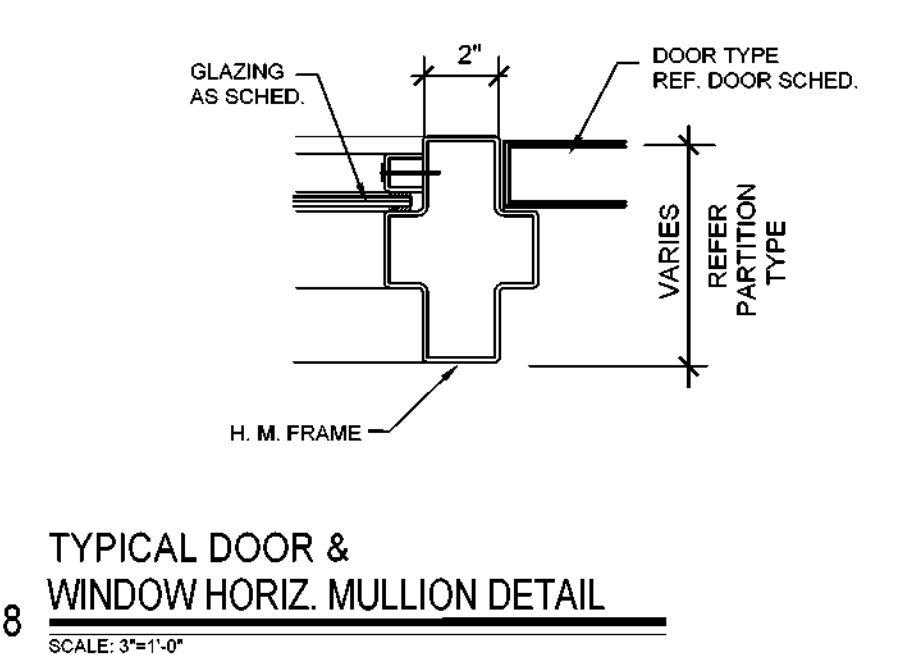
06 TYPICAL DOOR & WINDOW VERT. MULLION DTL.  
SCALE: 3/4"=1'-0"



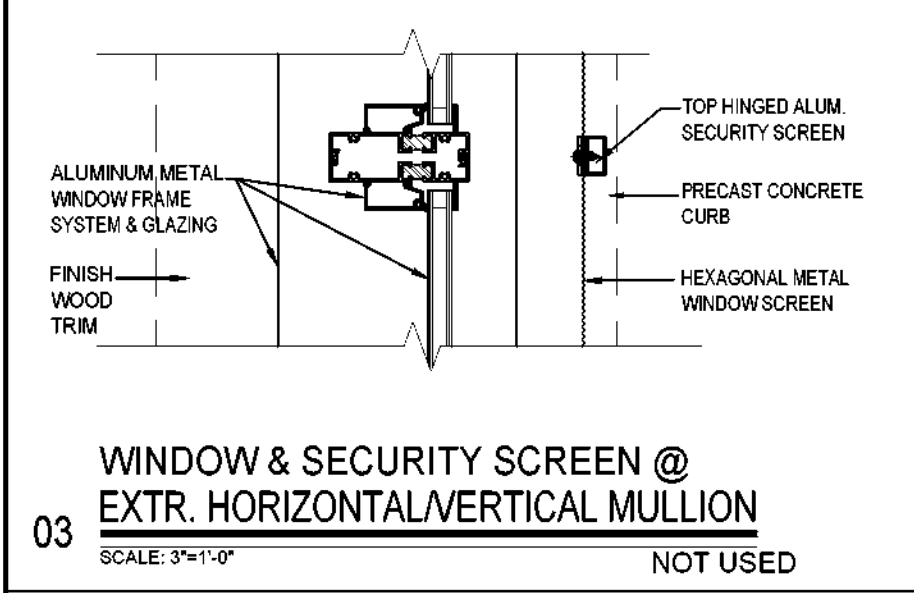
10 TYPICAL INTERIOR WINDOW HEAD DETAIL  
SCALE: 3/4"=1'-0"



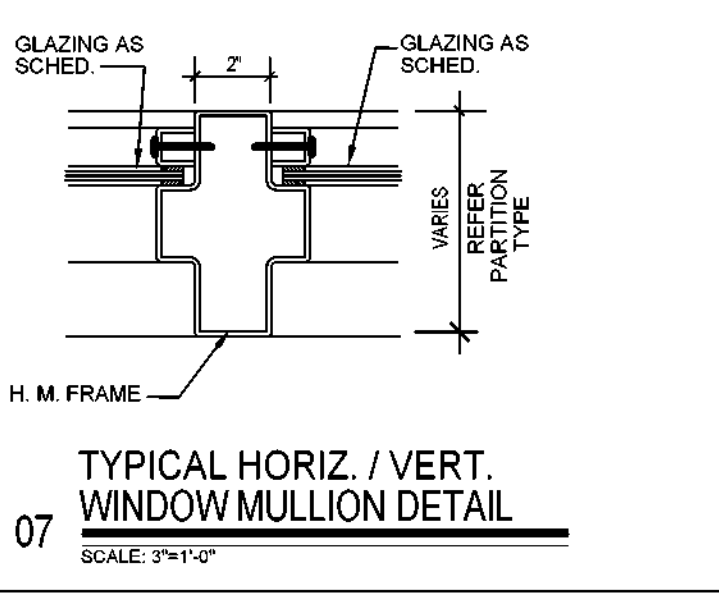
14 INTERIOR DOOR HEAD DETAIL  
SCALE: 3/4"=1'-0"



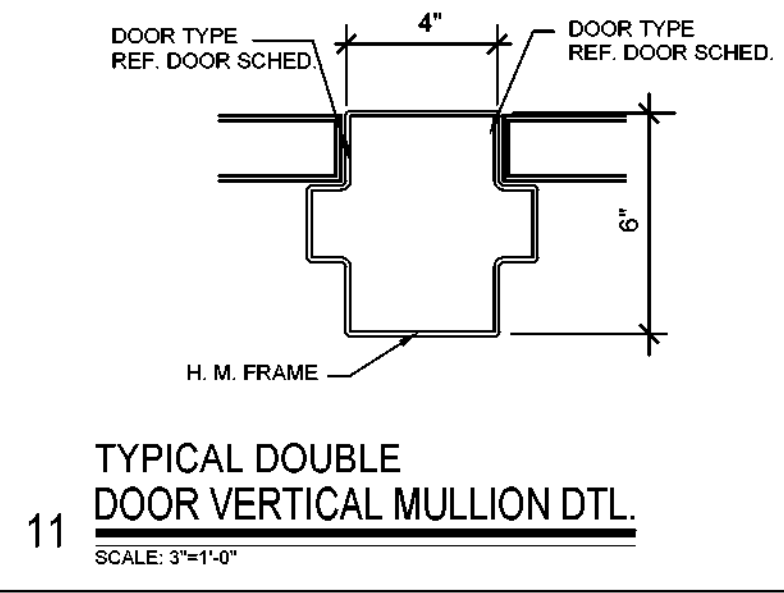
18 TYPICAL DOOR & WINDOW HORIZ. MULLION DETAIL  
SCALE: 3/4"=1'-0"



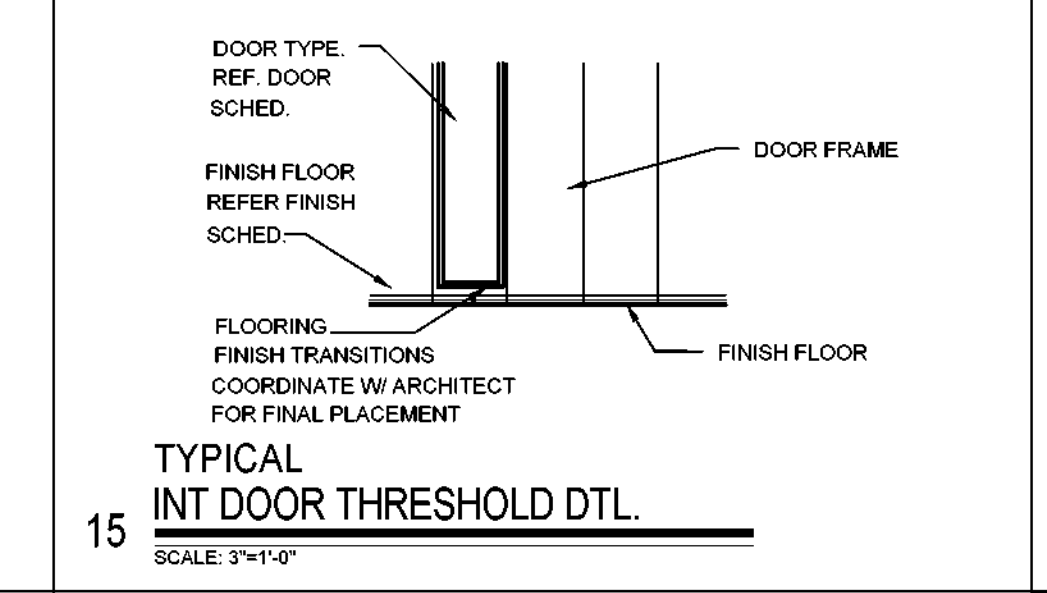
03 WINDOW & SECURITY SCREEN @ EXTR. HORIZONTAL/VERTICAL MULLION  
SCALE: 3/4"=1'-0"  
NOT USED



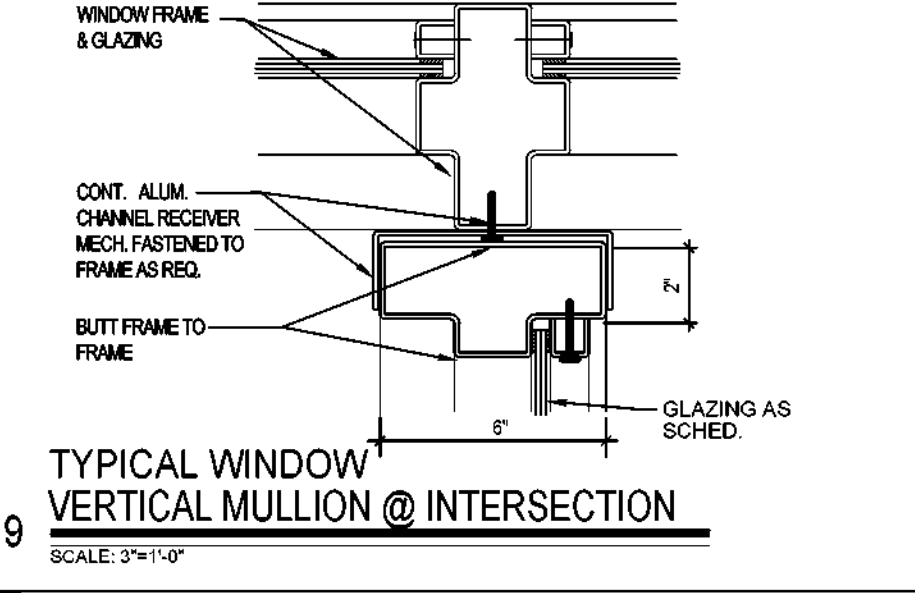
07 TYPICAL HORIZ. / VERT. WINDOW MULLION DETAIL  
SCALE: 3/4"=1'-0"



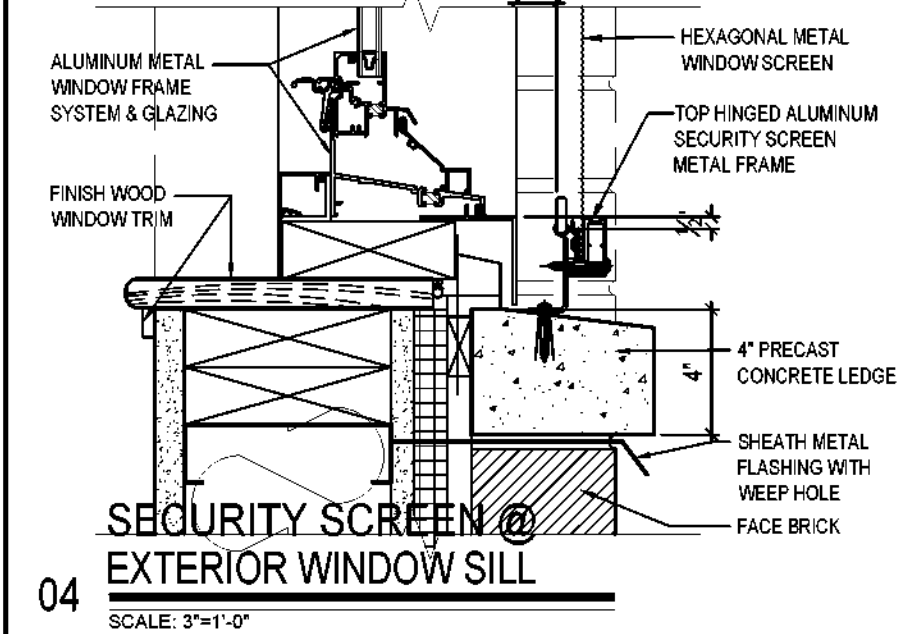
11 TYPICAL DOUBLE DOOR VERTICAL MULLION DTL.  
SCALE: 3/4"=1'-0"



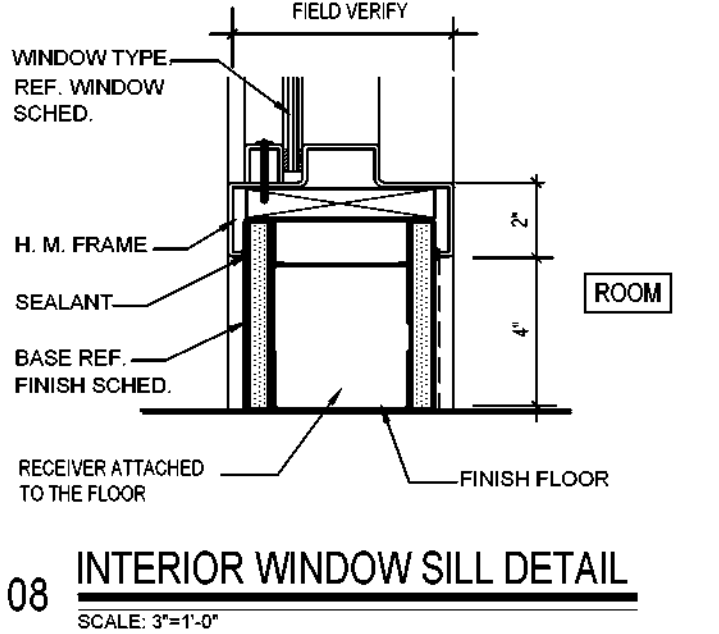
15 TYPICAL INT DOOR THRESHOLD DTL.  
SCALE: 3/4"=1'-0"



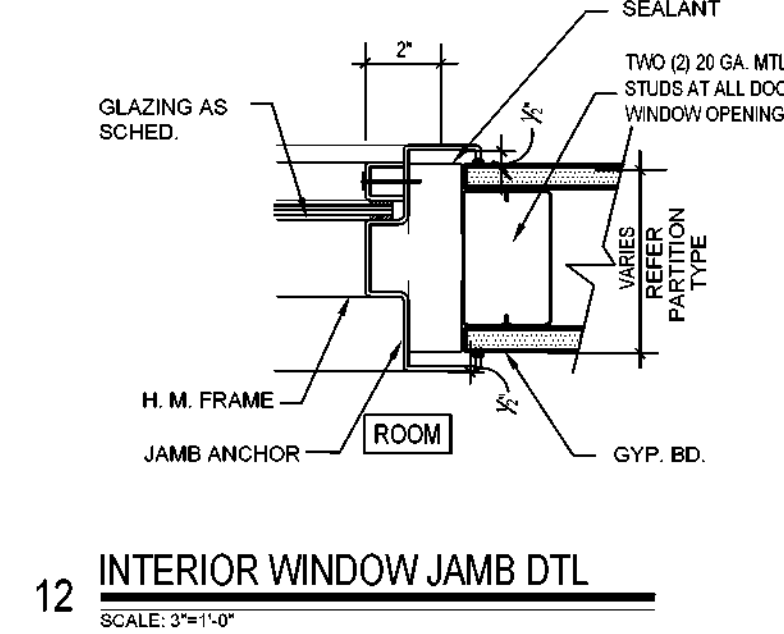
19 TYPICAL WINDOW VERTICAL MULLION @ INTERSECTION  
SCALE: 3/4"=1'-0"



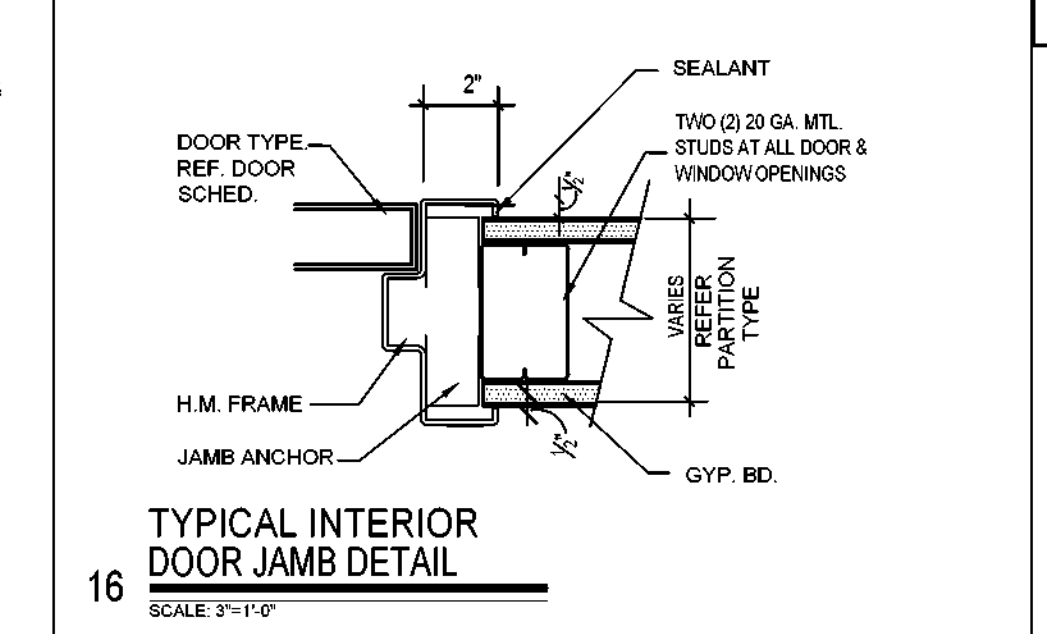
04 SECURITY SCREEN @ EXTERIOR WINDOW SILL  
SCALE: 3/4"=1'-0"



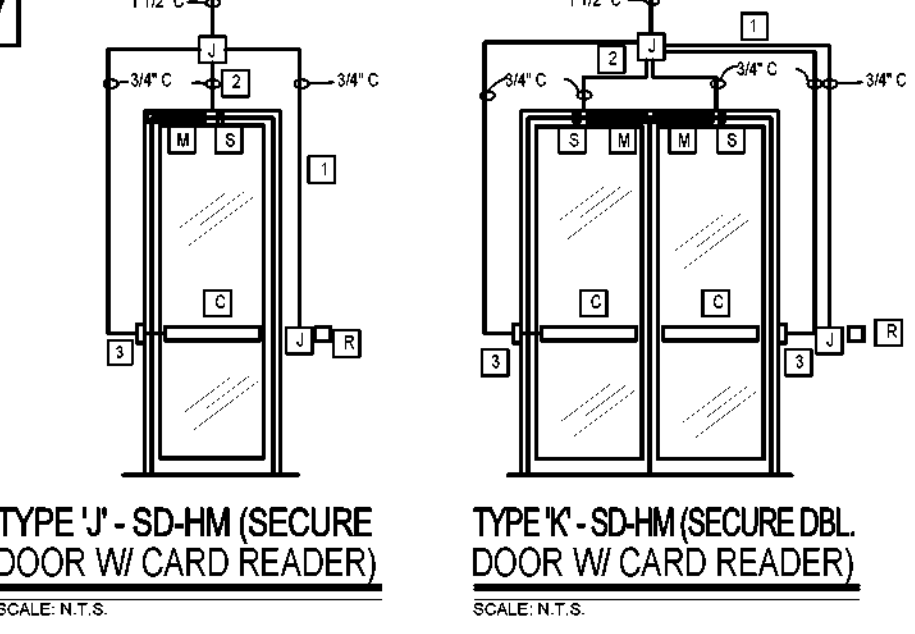
08 INTERIOR WINDOW SILL DETAIL  
SCALE: 3/4"=1'-0"



12 INTERIOR WINDOW JAMB DTL  
SCALE: 3/4"=1'-0"



16 TYPICAL INTERIOR DOOR JAMB DETAIL  
SCALE: 3/4"=1'-0"



V TYPE 'J' - SD-HM (SECURE DOOR W/ CARD READER) SCALE: N.T.S.  
TYPE 'K' - SD-HM (SECURE DBL DOOR W/ CARD READER) SCALE: N.T.S.

**KEY NOTES**

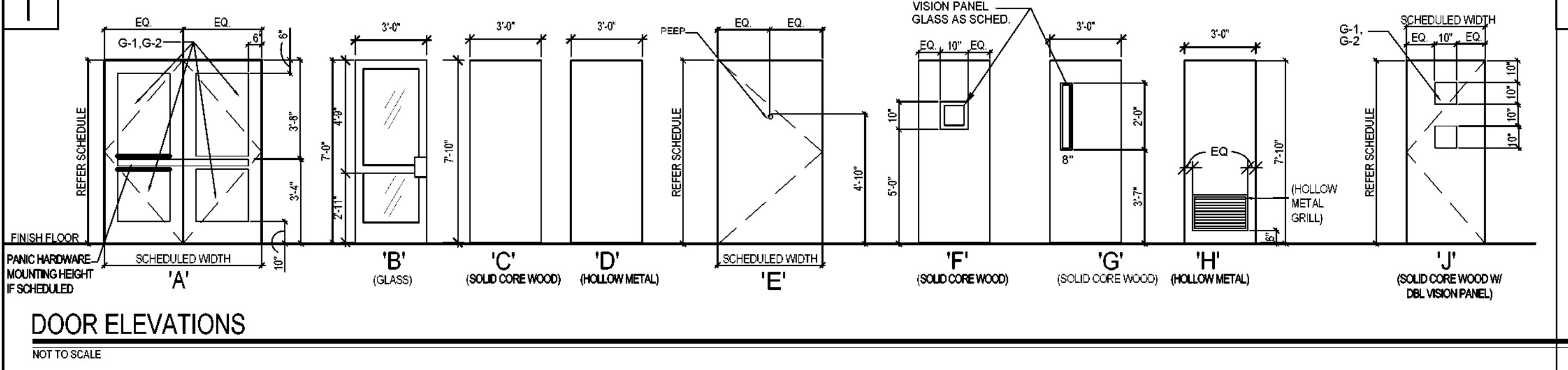
1 CONDUIT: 1 1/2" MAIN - 3/4" BRANCH	8 BALANCED MAGNETIC SWITCH WITH CARD READER
2 JUNCTION / PULL BOX	9 BALANCED MAGNETIC SWITCHES AT BOTH DOORS W/ CARD READER
3 POWER TRANSFER HINGE	C PANIC BAR (ON THE SECURE SIDE)
4 CONDUIT: 3/4" BRANCH	M MAGNET LOCK (ON THE SECURE SIDE)
5 WIRING/CHANNEL/TROUGH	R CARD READER - CASHRUSSCO (ON THE NON-SECURE SIDE)
6 BALANCED MAGNETIC SWITCH	S BALANCED MAGNETIC SWITCH (ON THE SECURE SIDE)
7 BALANCED MAGNETIC SWITCHES AT BOTH SIDES	

**HM DOOR FRAME SCHEDULE**

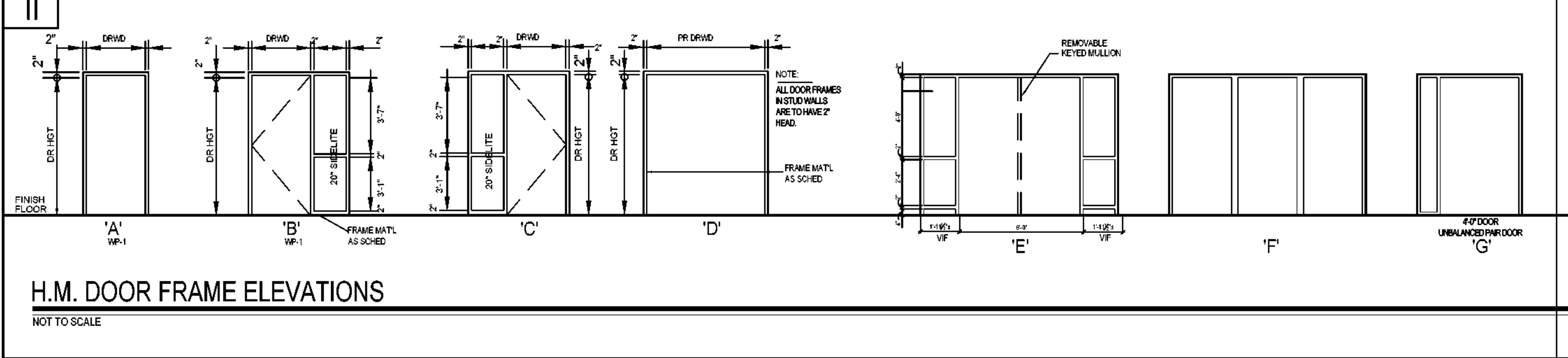
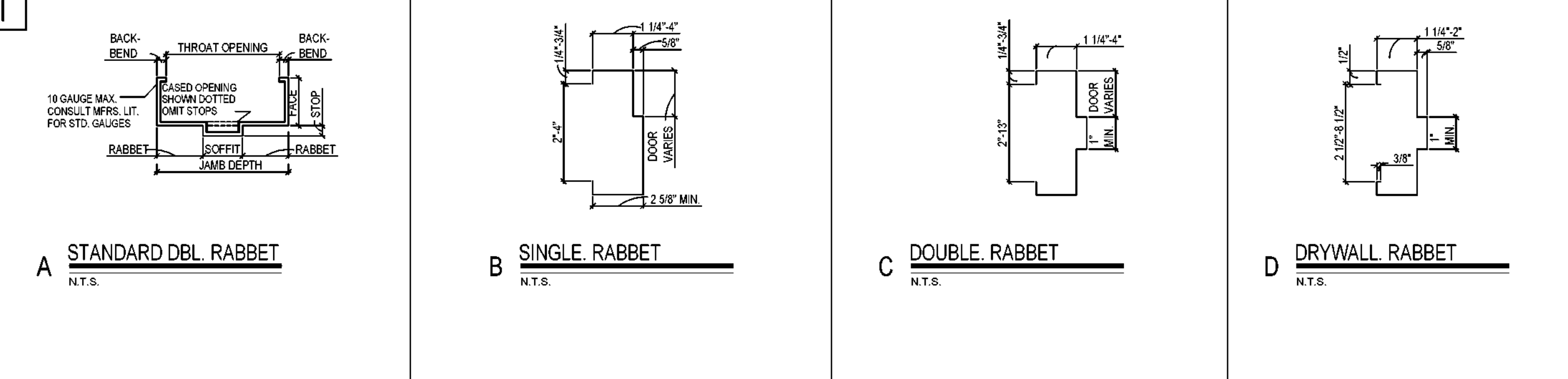
VARIOUS STANDARD PROFILES

JAMB DEPTH	2 2/4"	3"	3 3/4"	4 3/4"	5 1/2"	5 3/4"	6 3/4"	7 3/4"	8 3/4"	12 3/4"
RABBET 3	SINGLE 1 15/16 STD. FOR 1 3/4" DOOR									
SOFFIT 3	RABBET ONLY 1 9/16 STD. FOR 1 3/8" DOOR									
RABBET 3	ONLY 1 9/16 STD. FOR 1 3/8" DOOR									
BACKBEND	1/2"	7/16"	1/2"	1/2"	3/4"	1/2"	1/2"	1/2"	1/2"	1/2"
THROAT	1 3/4"	2 1/8"	2"	3 3/4"	4"	4 3/4"	5 3/4"	6 3/4"	7 3/4"	11 3/4"

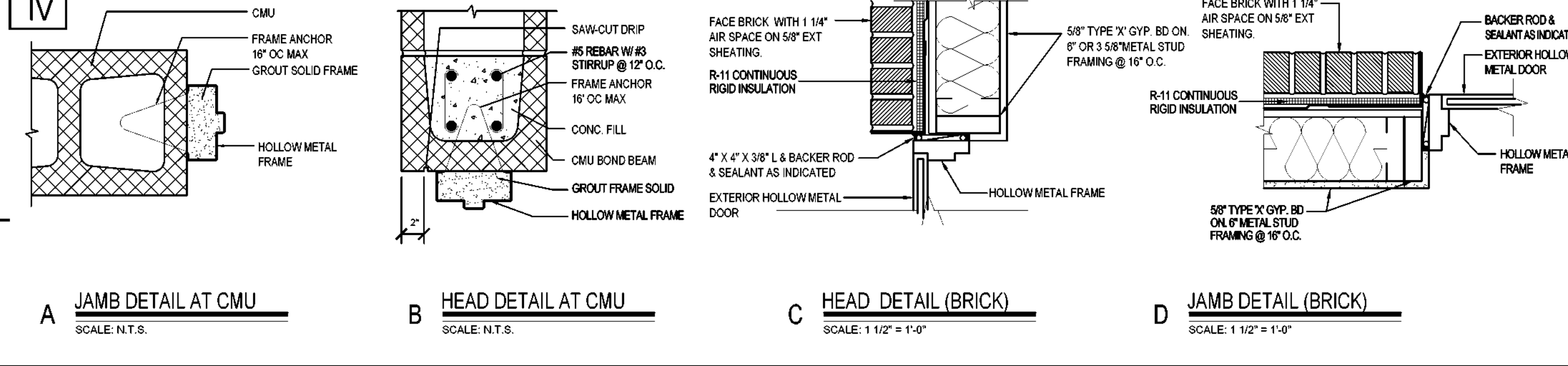
NOTES:  
1. DEPTHS VARY IN 1/8" INCREMENTS TO 12 3/4" MAX.  
2. OMIT STOPS FOR CASED OPENING FRAMES.  
3. STD. STOP 5/8", 1/2" MIN. + STD. FACE 2", 1" MIN.



I DOOR ELEVATIONS  
NOT TO SCALE



II H.M. DOOR FRAME ELEVATIONS  
NOT TO SCALE



IV A JAMB DETAIL AT CMU SCALE: N.T.S.  
B HEAD DETAIL AT CMU SCALE: N.T.S.  
C HEAD DETAIL (BRICK) SCALE: 1 1/2"=1'-0"  
D JAMB DETAIL (BRICK) SCALE: 1 1/2"=1'-0"

OWNER:  
**DALLAS**  
INDEPENDENT SCHOOL DISTRICT  
DALLAS INDEPENDENT SCHOOL DISTRICT  
9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
ARCHITECTURE-ENGINEERING-CONSTRUCT-ADMIN-INSPECTIONS  
13140 NORTH COIT ROAD - SUITE 230  
DALLAS, TEXAS 75240  
WWW.EVANSASSOCIATES.COM  
PH: (214) 340-4440  
FAX: (214) 340-0205

SEAL:

CONSULTANT SEAL:

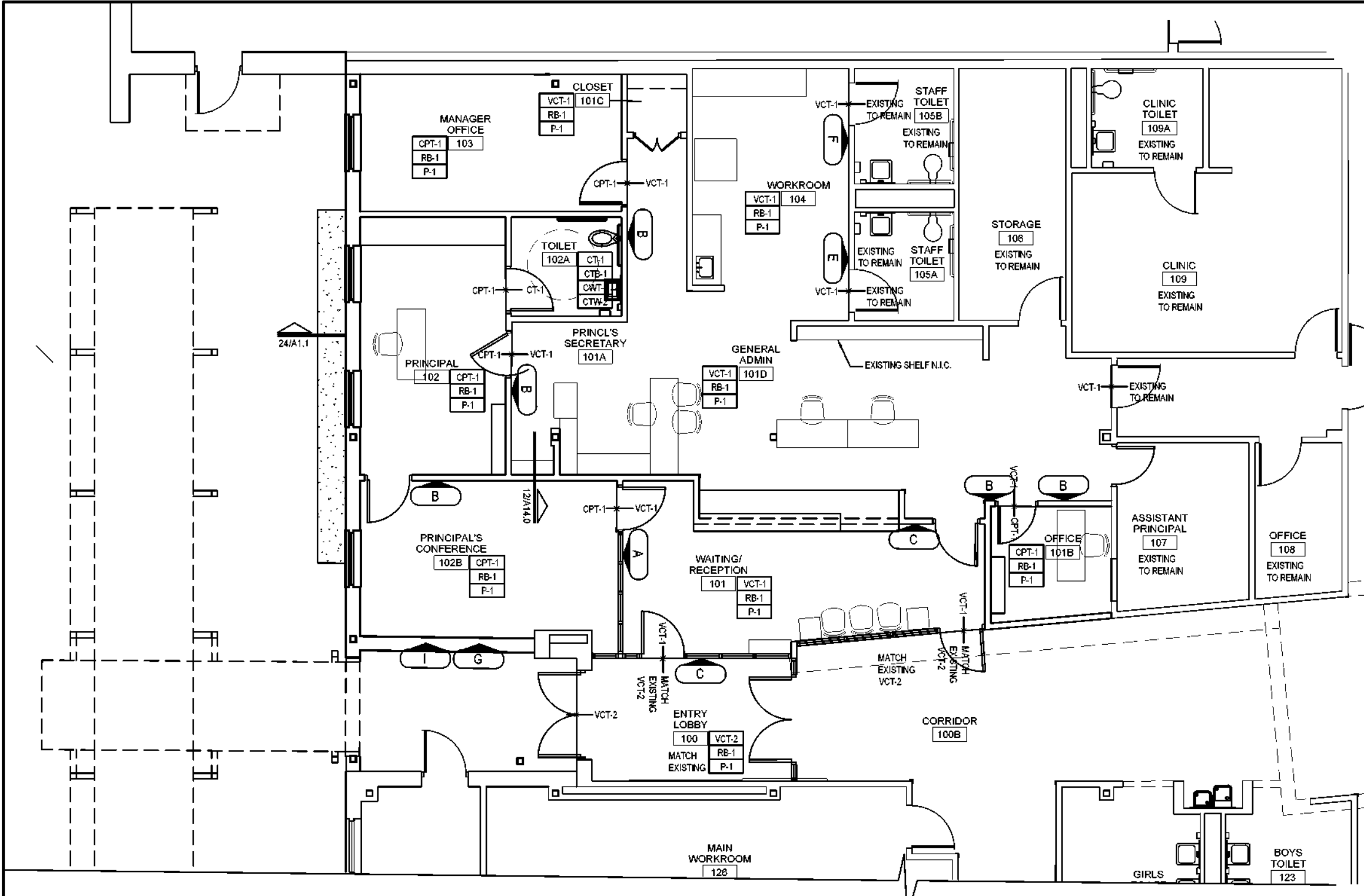
Revisions Issues

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
ELEMENTARY SCHOOL RENOVATIONS  
1665 DUNCANVILLE ROAD - DALLAS, TX.

**BOND 2020**

SHEET NAME:  
**DOOR ELEVATIONS / DOOR / WINDOW SECTIONS AND DETAILS**

Job 1025202  
Date 08-23-2023  
Drawn de  
Check EE  
PRF  
Sheet **A11.1**  
Of SHEETS



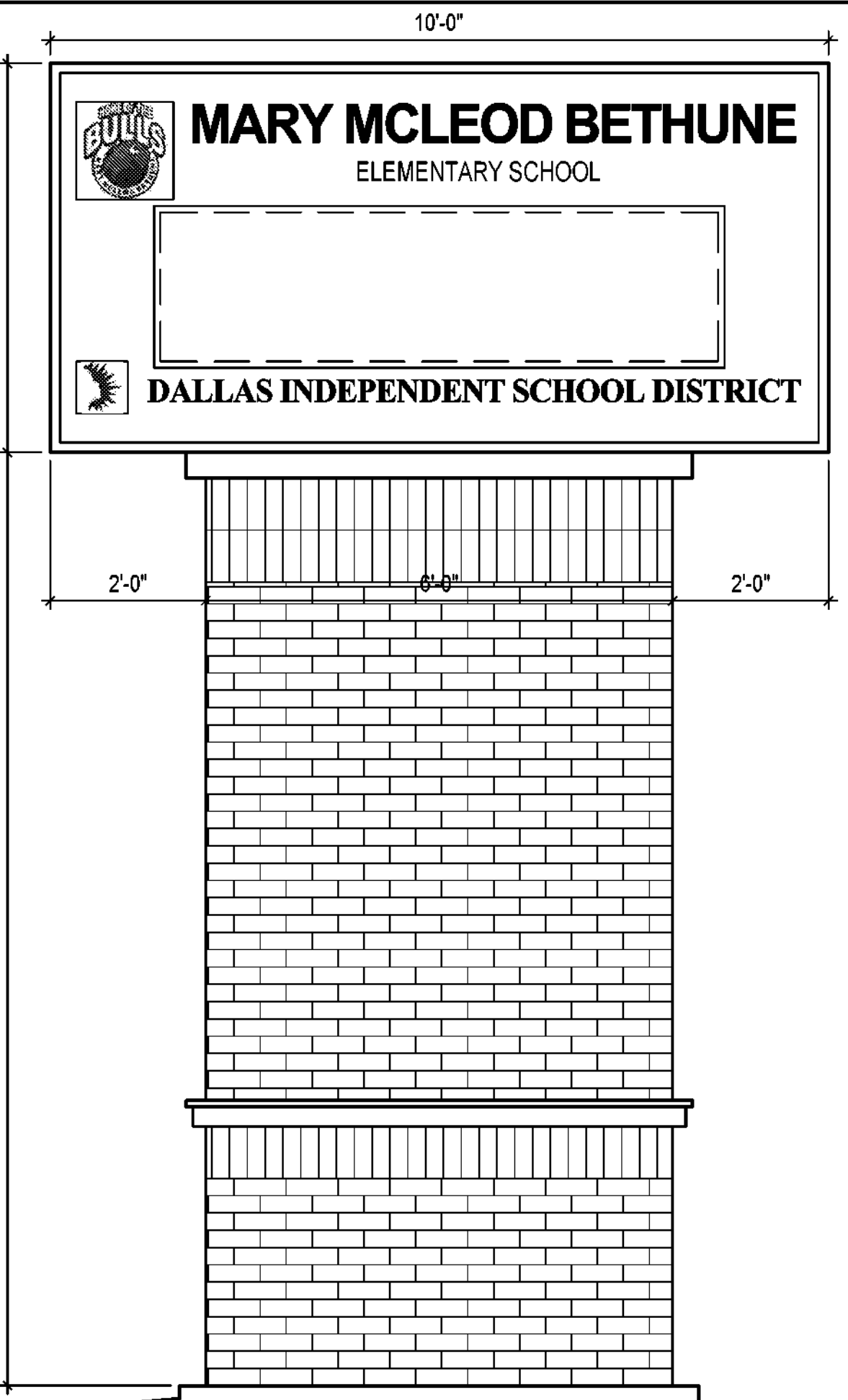
DOOR/ROOM NOS.	ROOM NAME	MESSAGE	SIGN TYPE	QUANTITY	REMARK
100	ENTRY LOBBY	ENTRY LOBBY	-	-	
100B	CORRIDOR	CORRIDOR	D	1	
101	WAITING / RECEPTION	WAITING / RECEPTION	-	-	
101A	PRINCIPAL'S SECRETARY	PRINCIPAL'S SECRETARY	H	1	
101B	OFFICE	OFFICE	H	1	
101C	CLOSET	CLOSET	H	1	
101D	GENERAL ADMINISTRATION	GENERAL ADMINISTRATION	H	1	
102	PRINCIPAL	PRINCIPAL	B	1	
102A	TOILET	TOILET	J	1	
102B	PRINCIPAL'S CONFERENCE RM	PRINCIPAL'S CONFERENCE RM	C	1	
103	MANAGER'S OFFICE	MANAGER'S OFFICE	C	1	
104	WORKROOM	WORKROOM	C	1	
105A	STAFF TOILET	STAFF TOILET	D	1	
105B	STAFF TOILET	STAFF TOILET	D	1	
106	STORAGE	STORAGE	F	1	
107	ASSISTANT PRINCIPAL	ASSISTANT PRINCIPAL	E	1	
108	OFFICE	OFFICE	H	1	
109	CLINIC	CLINIC	H	1	
109A	CLINIC TOILET	CLINIC TOILET	H	1	

PRINCIPAL'S ROOM	
1	BOOKCASE (1)
2	CRENDENZA (1)
3	DESK CHAIR (1)
4	DESK WITH RETURN (1)
5	FILE CABINET (1)
6	GUEST CHAIRS (2)
7	WARDROBE CABINET

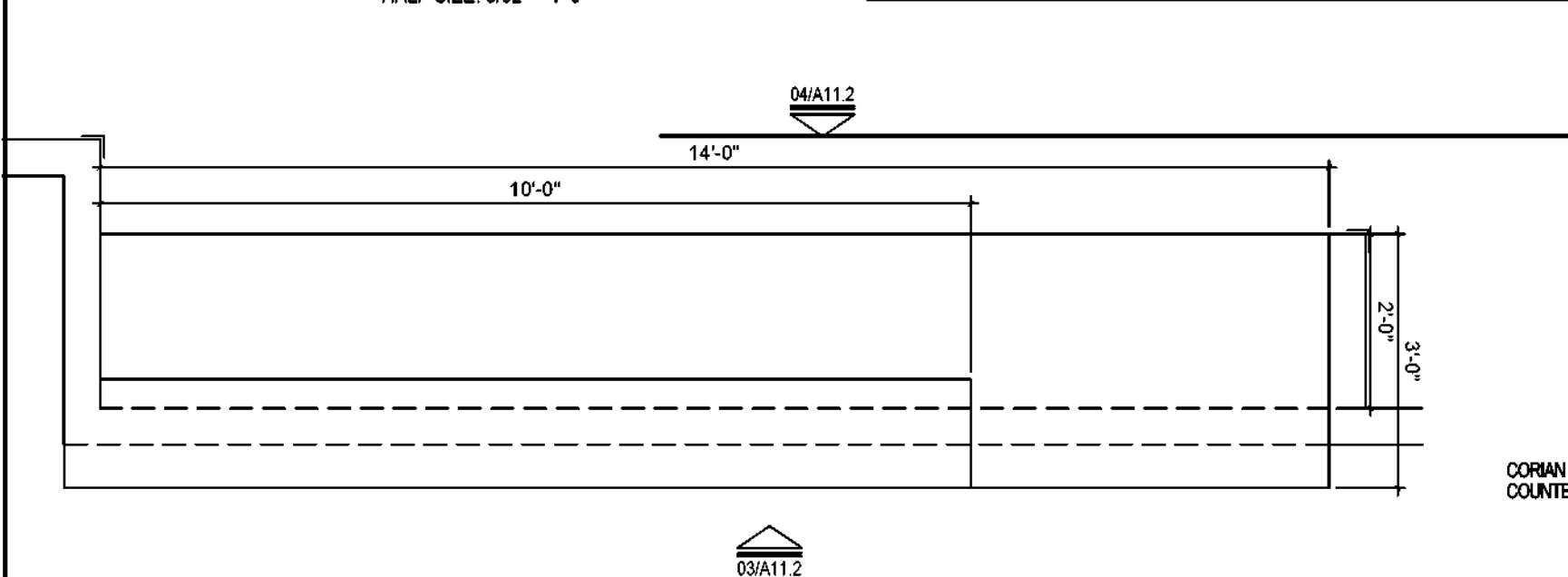
SECRETARY'S AREA	
1	BOOKCASE (1)
2	CRENDENZA (1)
3	DESK CHAIR (1)
4	DESK WITH RETURN (1)
5	FILE CABINET (2)
6	GUEST CHAIRS (2)

RECEPTION & WAITING AREA	
1	DESK CHAIRS
2	FILING CABINETS
3	GUEST CHAIRS
4	LITERATURE RACK
5	TABLE
6	BASE CABINET
7	DESK WITH TRANSACTION COUNTER
8	SIGNAGE (SCHOOL NAME)
9	TACKBOARD

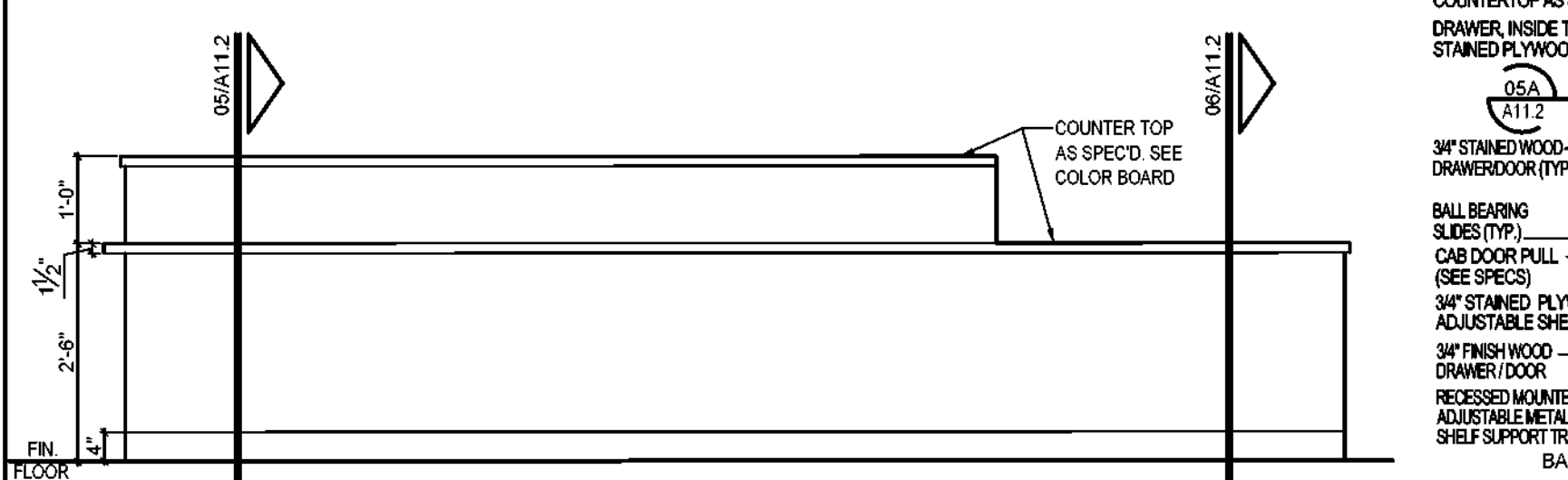
CONFERENCE ROOM N.I.C. UNLESS NOTED OTHERWISE	
1	CONFERENCE TABLE (1)
2	FLAT PANEL MONITOR(1)
3	GUEST CHAIR (8)
4	CRENDENZA (1)
5	FLAT PANEL MONITOR WALL BRACKET (BY G.C.)
6	MARKERBOARD 4'-0" L (BY G.C.)
7	TACKBOARD 4'-0" L (BY G.C.)



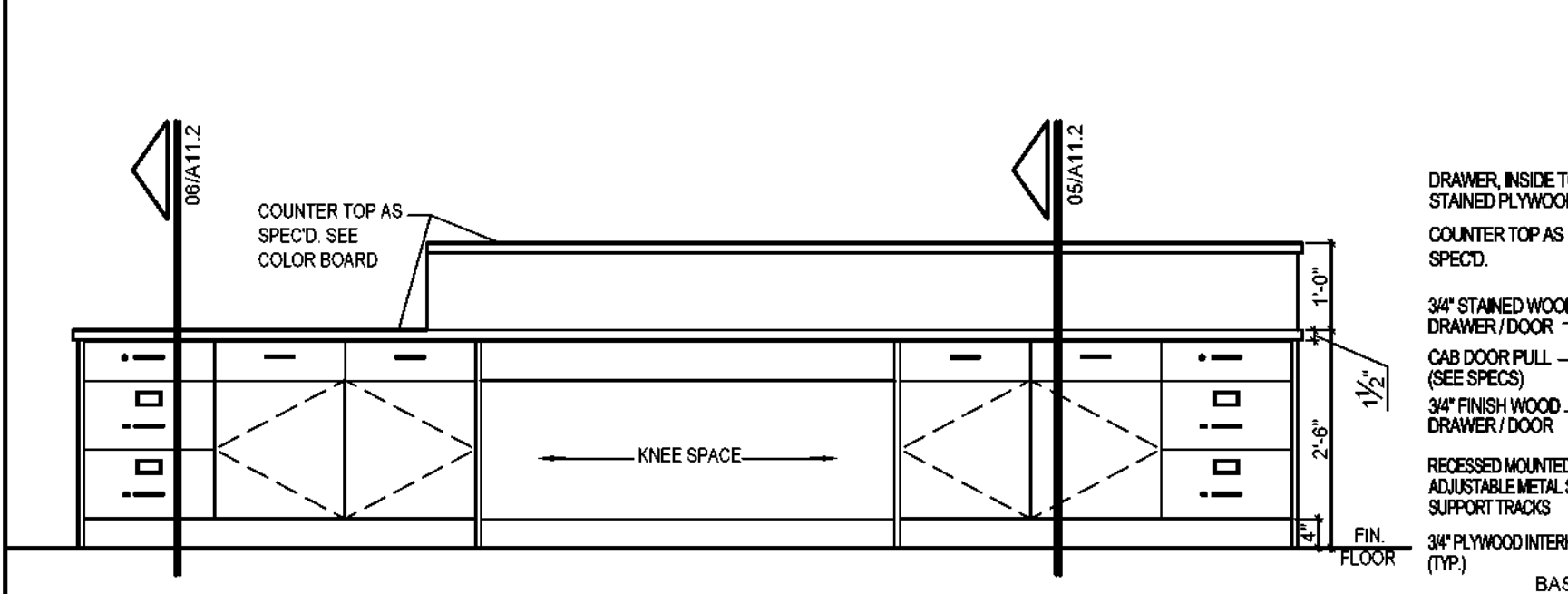
**01 ADMIN / SECURE ENTRY FINISH & GRAPHICS PLAN**  
 SCALE: 1/8" = 1'-0"  
 HALF SIZE: 3/32" = 1'-0"



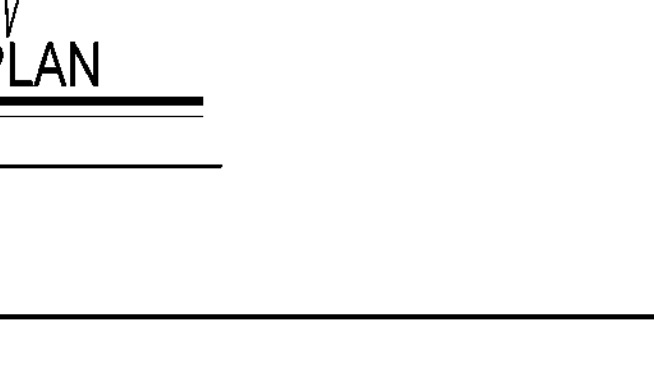
**02 RECEPTION COUNTER PLAN**  
 SCALE: 1/2" = 1'-0"  
 HALF SIZE: 1/4" = 1'-0"



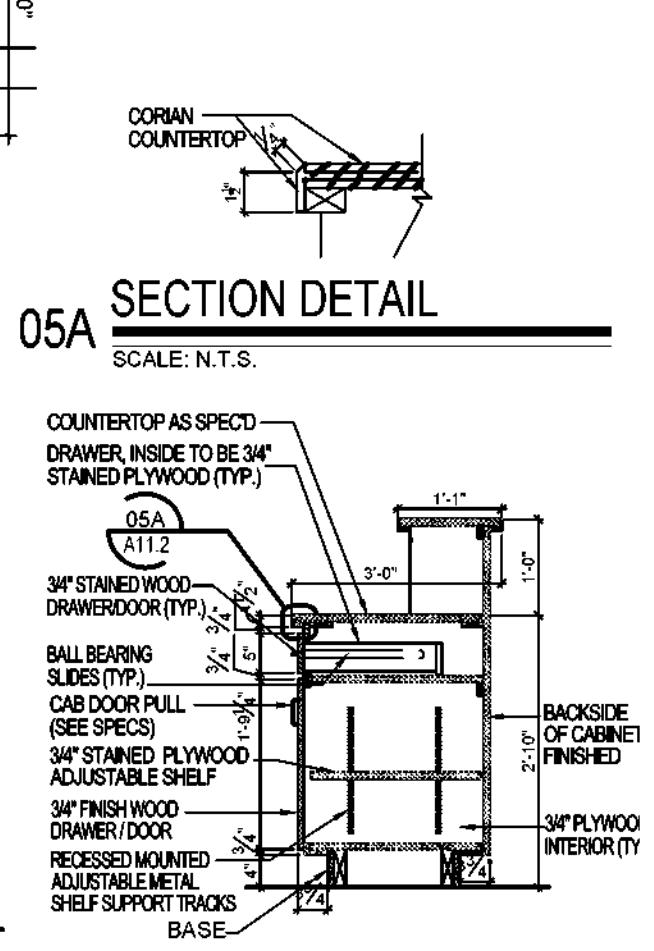
**03 RECEPTION COUNTER FRONT ELEVATION**  
 SCALE: 1/2" = 1'-0"  
 HALF SIZE: 1/4" = 1'-0"



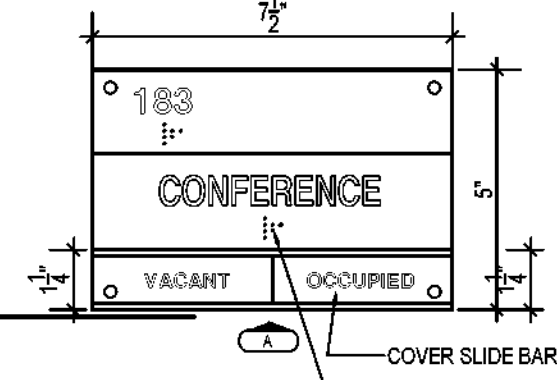
**04 RECEPTION COUNTER BACK ELEVATION**  
 SCALE: 1/2" = 1'-0"  
 HALF SIZE: 1/4" = 1'-0"



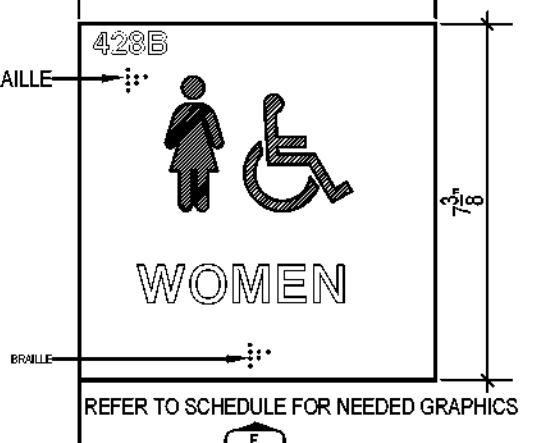
**05A HIGH & LOW CABINET SECTION W/ DRAWERS**  
 SCALE: N.T.S.



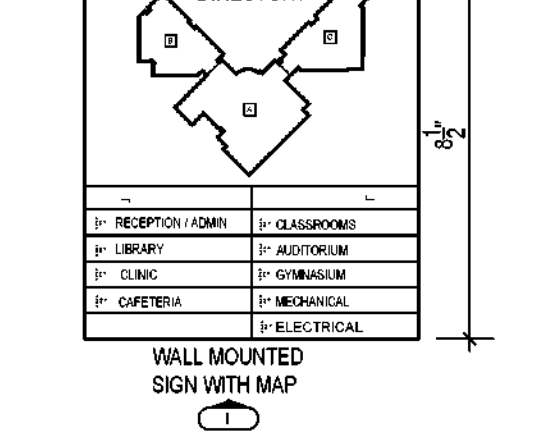
**06 BASE CABINET SECTION W/ DRAWERS**  
 SCALE: 1/2" = 1'-0"  
 HALF SIZE: 1/4" = 1'-0"



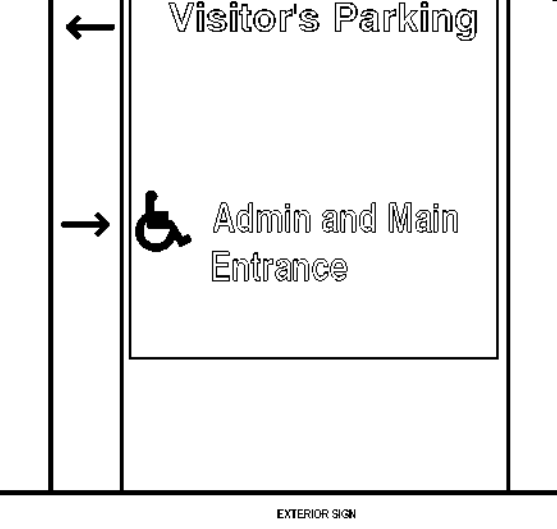
**SIGN TYPE "A"**  
 SCALE: N.T.S.



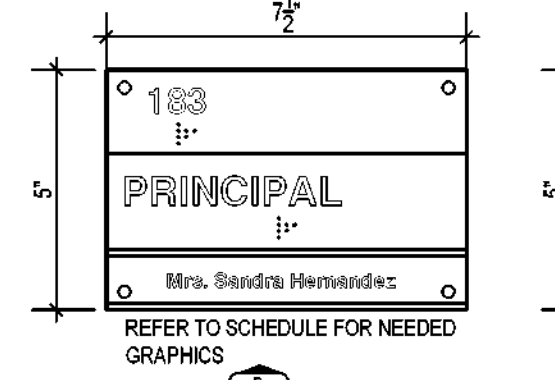
**SIGN TYPE "B"**  
 SCALE: N.T.S.



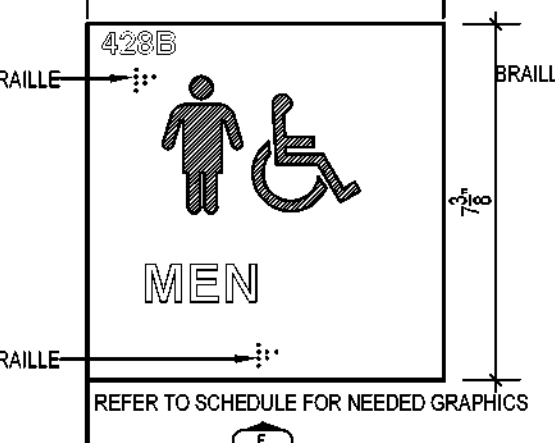
**SIGN TYPE "C"**  
 SCALE: N.T.S.



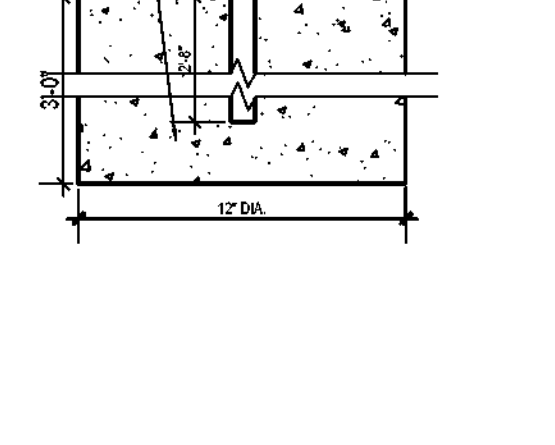
**SIGN TYPE "D"**  
 SCALE: N.T.S.



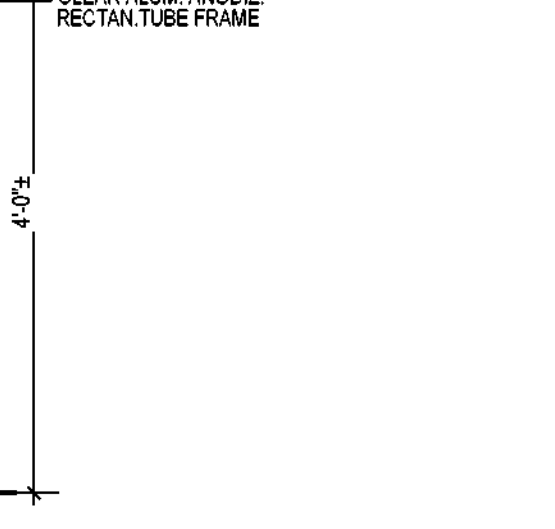
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 SCALE: N.T.S.



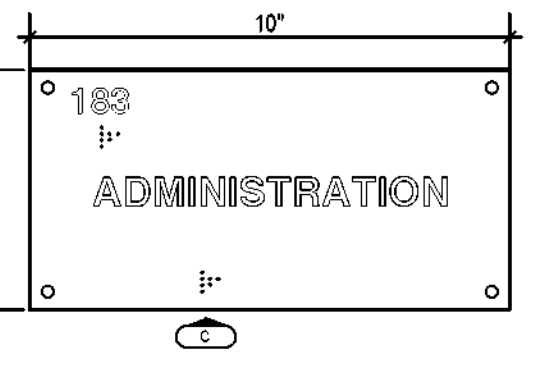
**SIGN TYPE "F"**  
 SCALE: N.T.S.



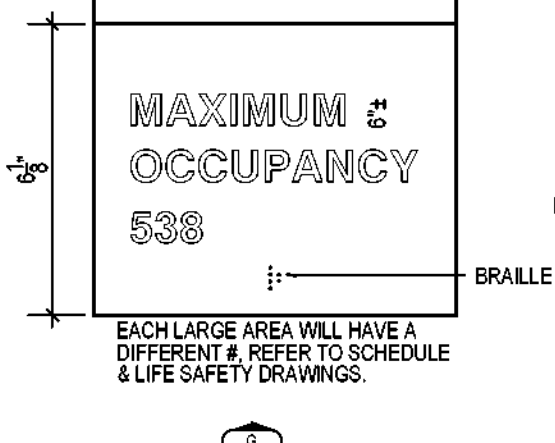
**SIGN TYPE "G"**  
 SCALE: N.T.S.



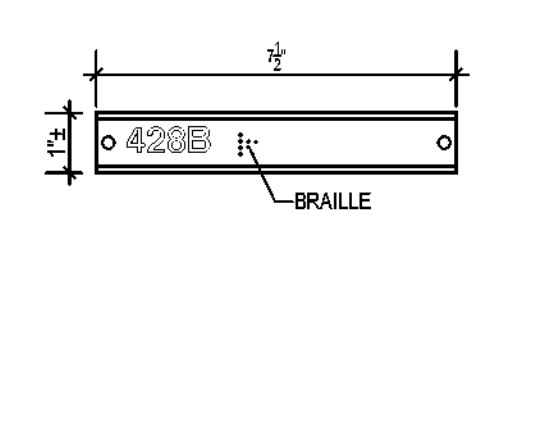
**SIGN TYPE "H"**  
 SCALE: N.T.S.



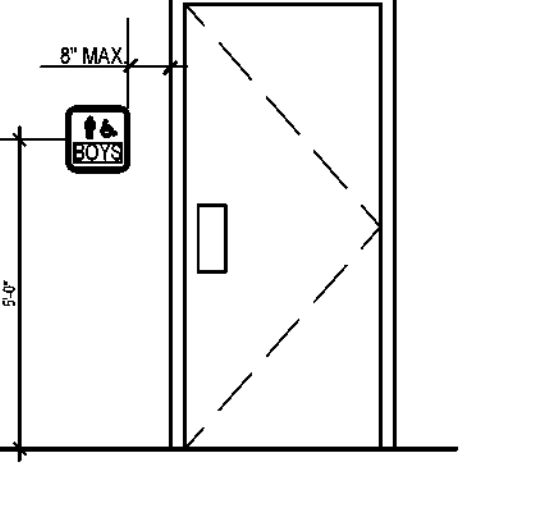
**SIGN TYPE "I"**  
 SCALE: N.T.S.



**SIGN TYPE "J"**  
 SCALE: N.T.S.



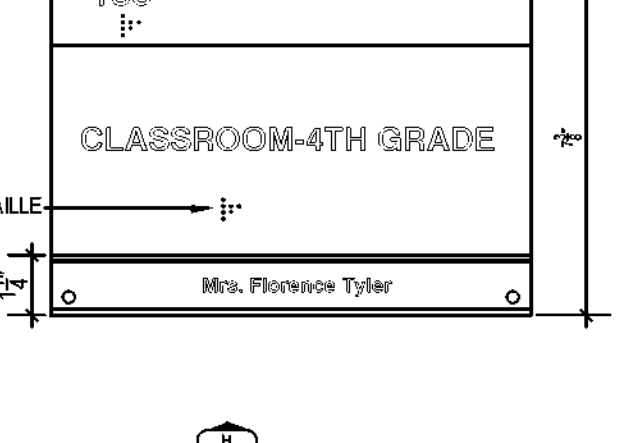
**SIGN TYPE "K"**  
 SCALE: N.T.S.



**SIGN TYPE "L"**  
 SCALE: N.T.S.



**SIGN TYPE "M"**  
 SCALE: N.T.S.



**SIGN TYPE "N"**  
 SCALE: N.T.S.

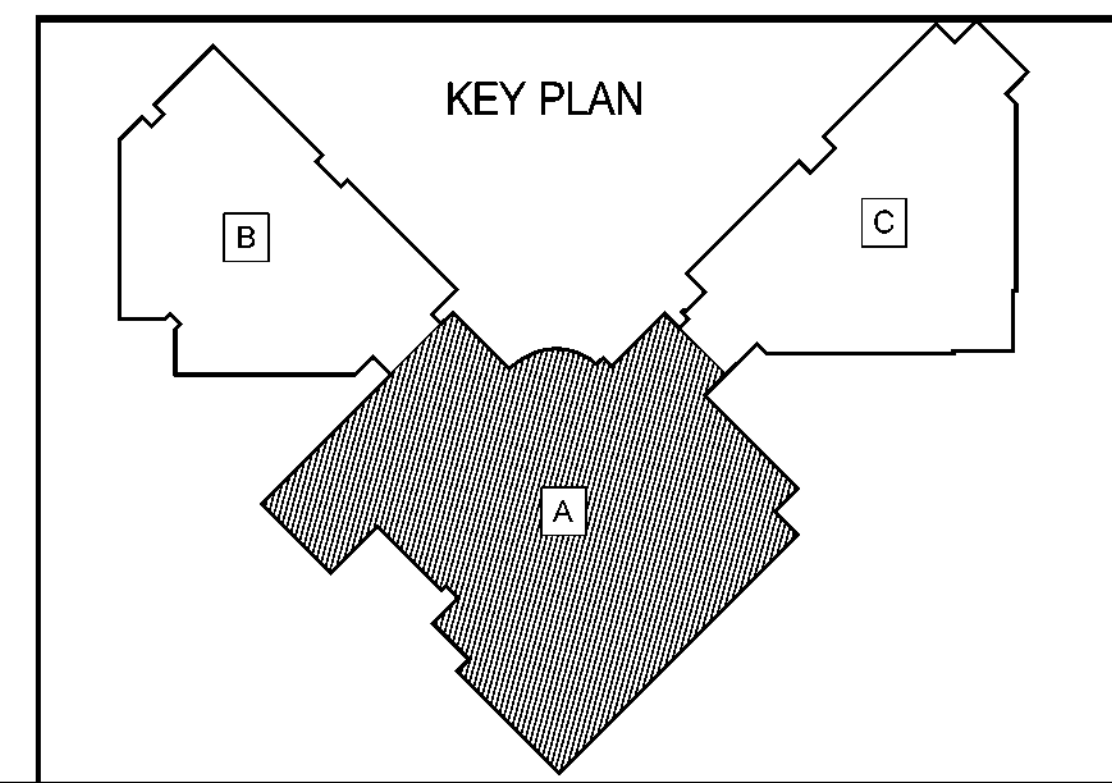


**SIGN TYPE "O"**  
 SCALE: N.T.S.



**SIGN TYPE "P"**  
 SCALE: N.T.S.

**MARQUEE SIGN**  
 SCALE: N.T.S.  
 FOR MARQUEE SIGN PLAN & DETAILS REF: SHEET A5.0



OWNER: **DALLAS** INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS, TEXAS 75231

ARCHITECT: **E. EVANS ASSOCIATES, INC.**  
 ARCHITECTURE-ENGINEERING-CONSTRUCTION-INSPECTIONS  
 13140 NORTH COIT ROAD - SUITE 230  
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 DALLAS, TEXAS 75214

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 STATE OF TEXAS  
 08/23/2023

CONSULTANT SEAL:

Revisions	Issues

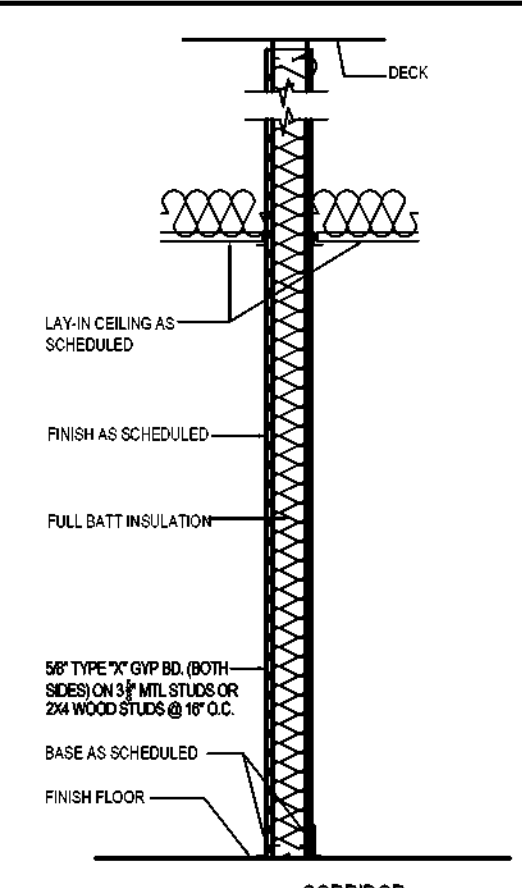
DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

**BOND 2020**

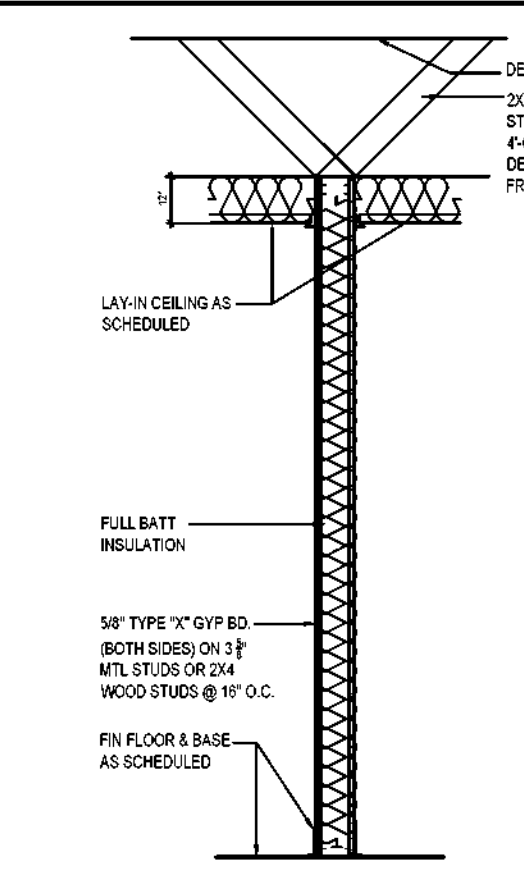
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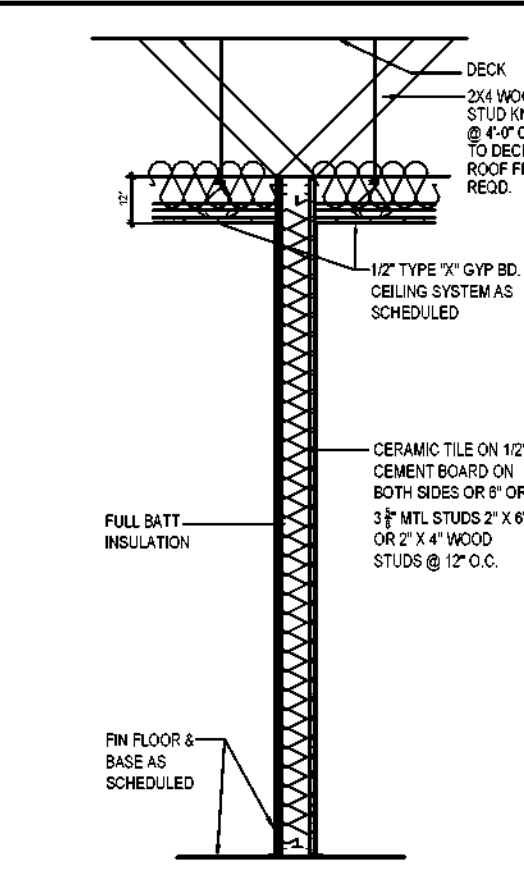




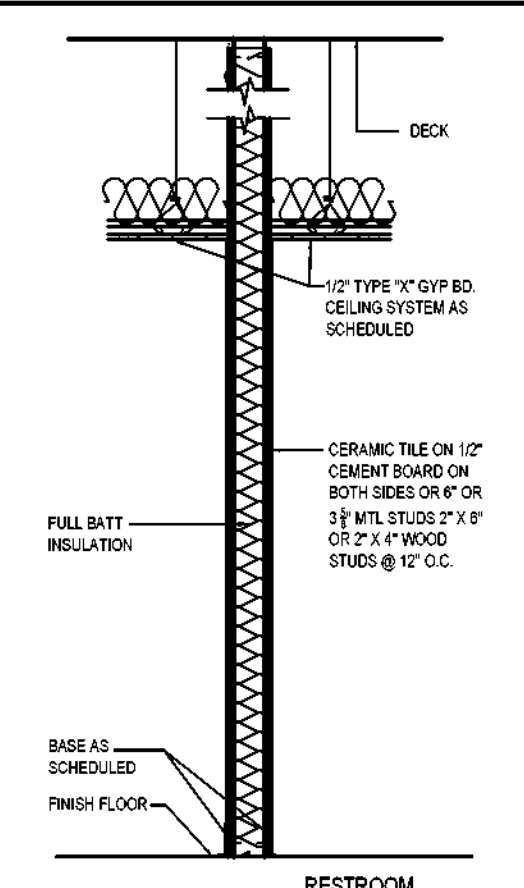
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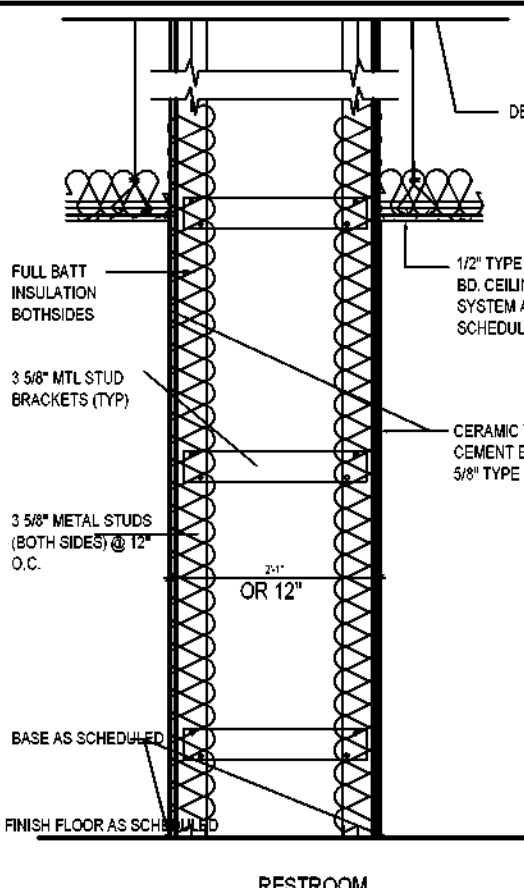
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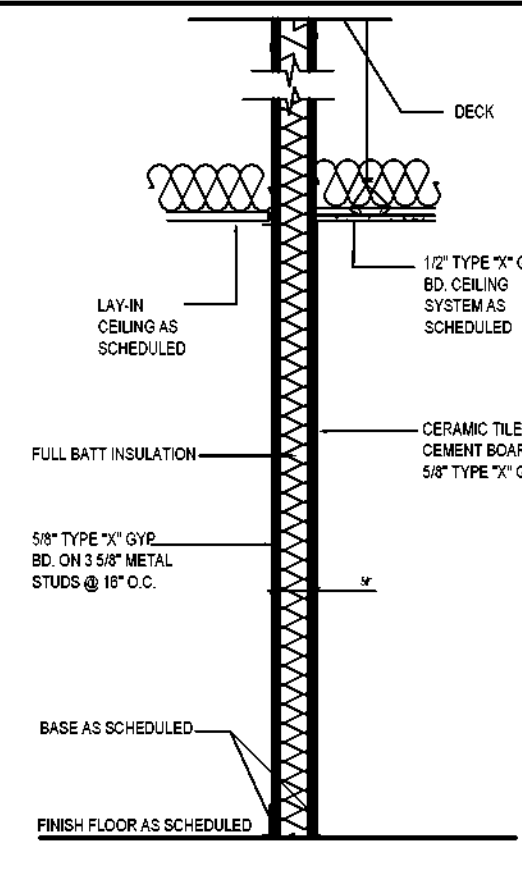
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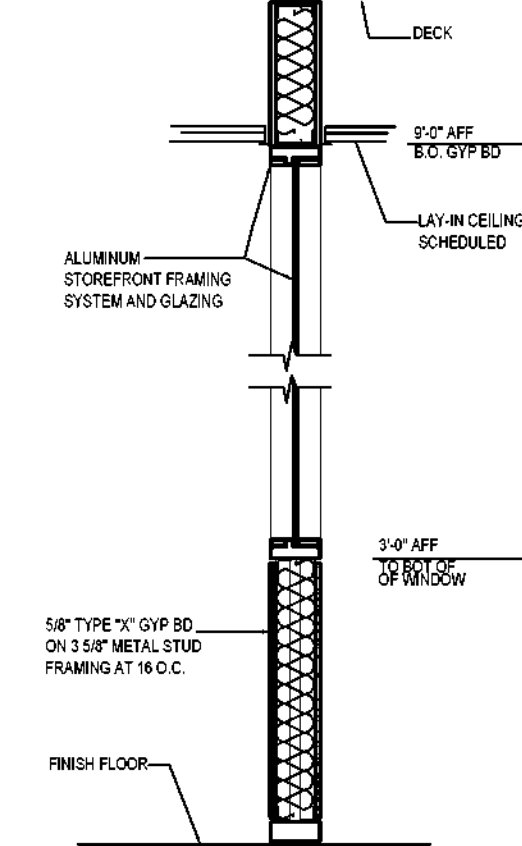
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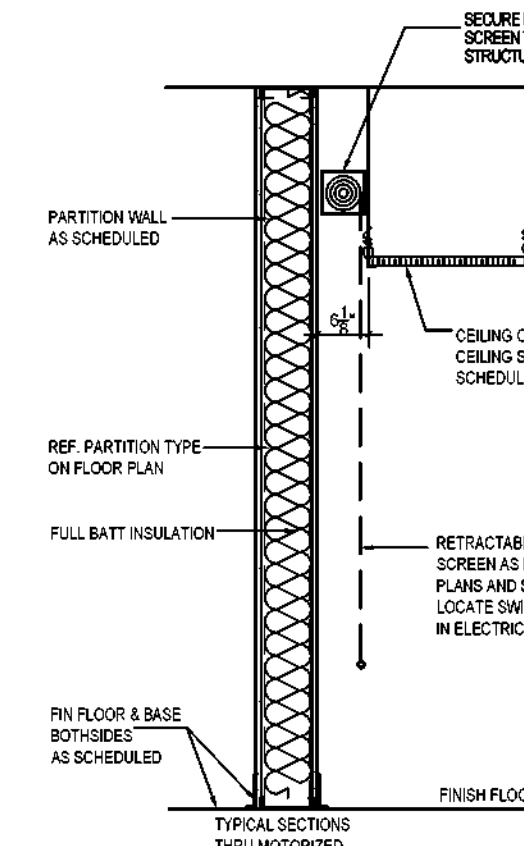
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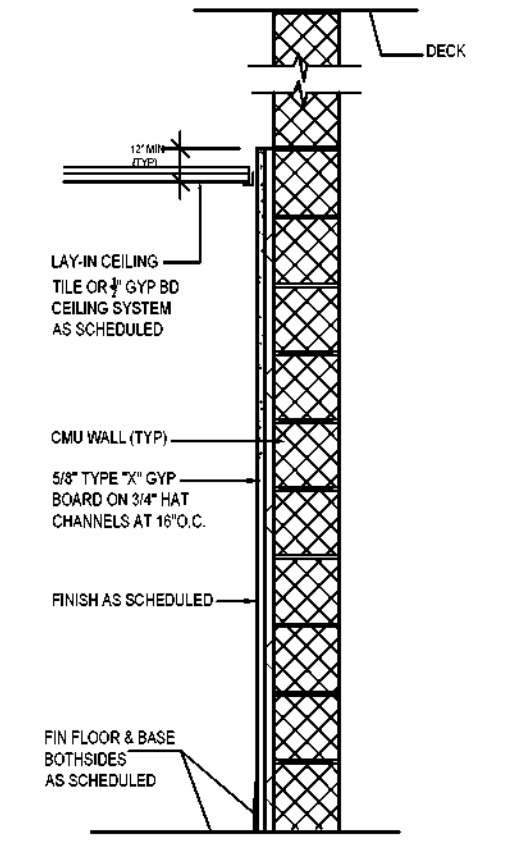
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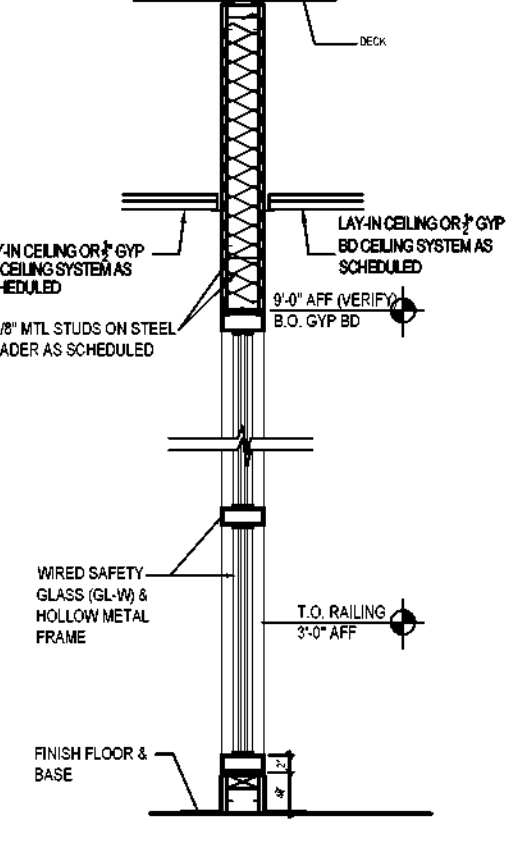
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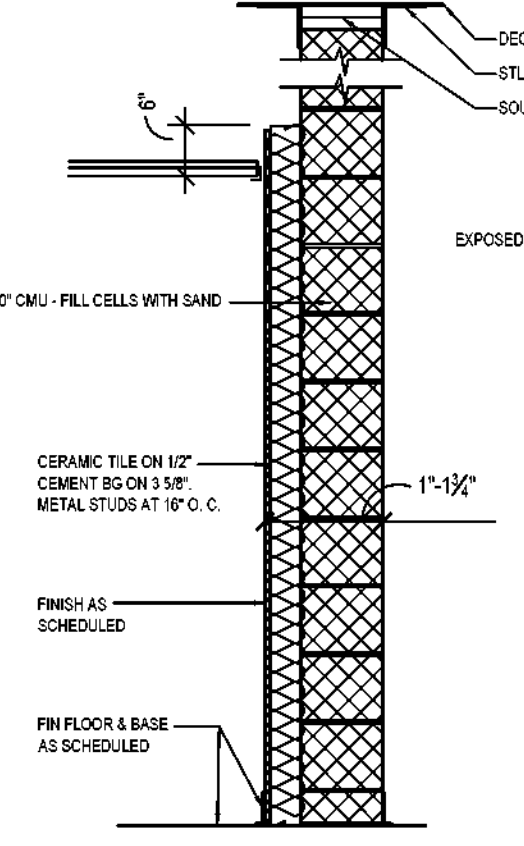
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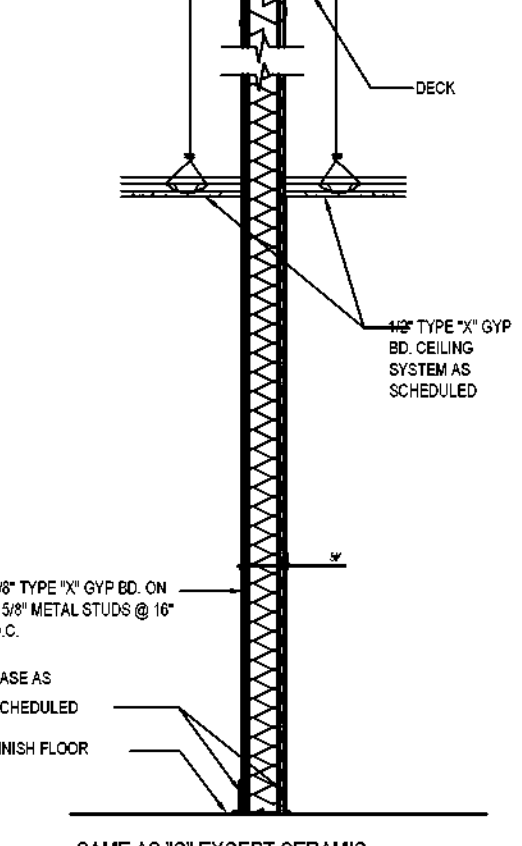
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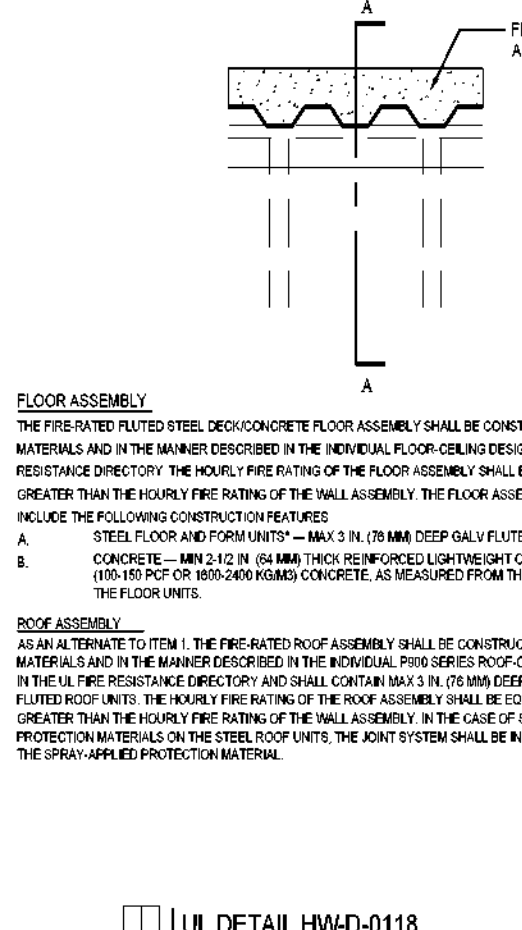
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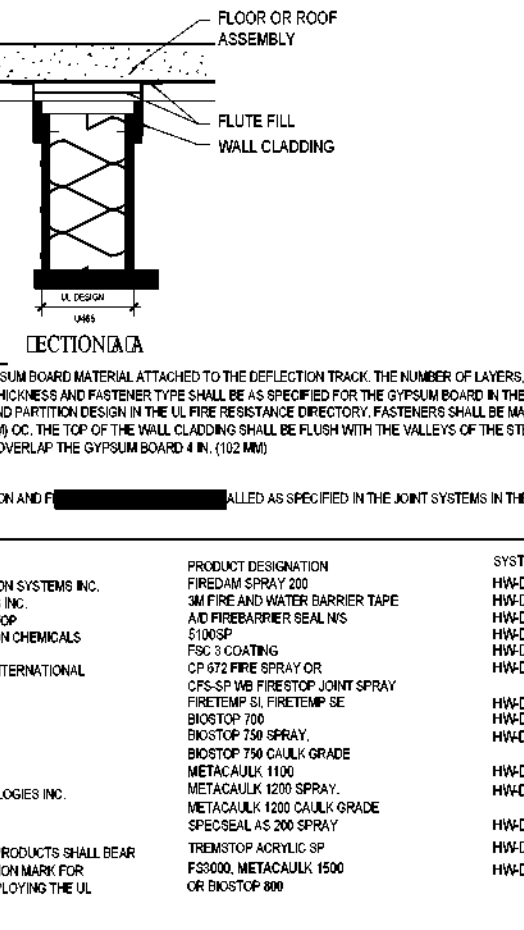
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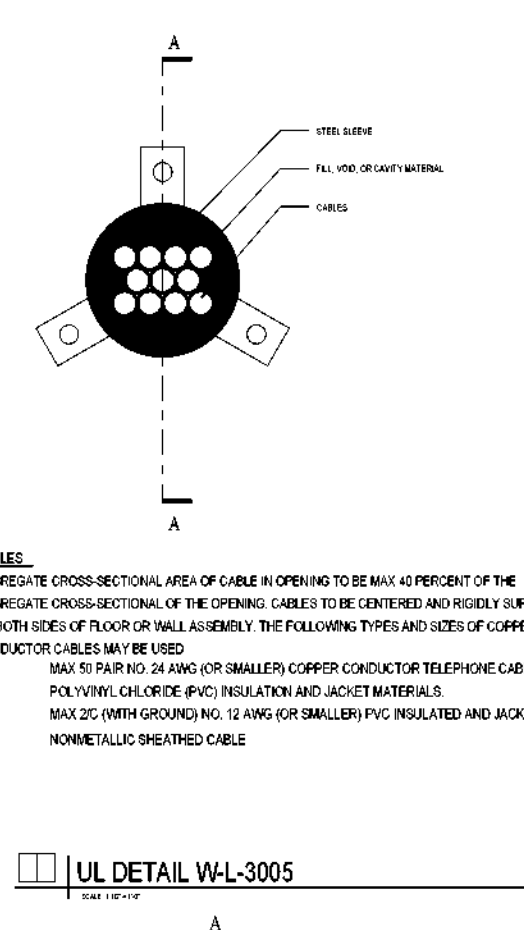
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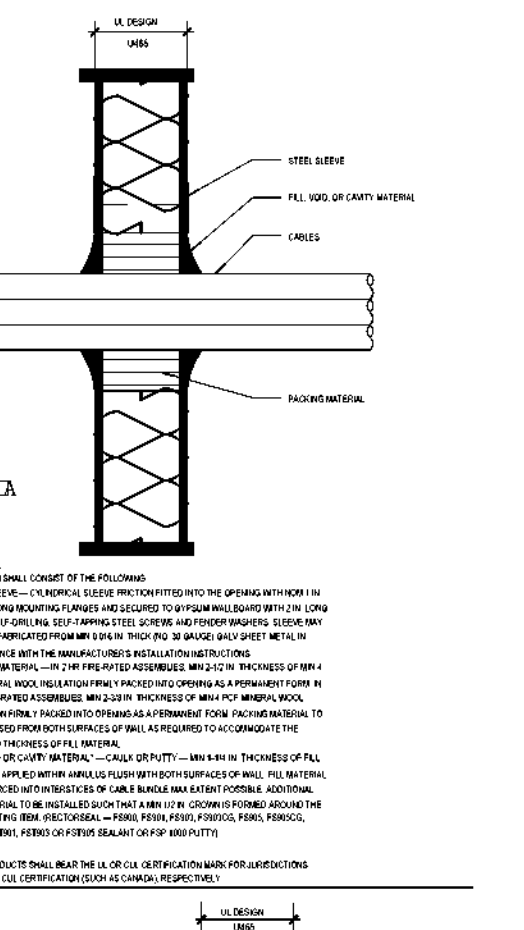
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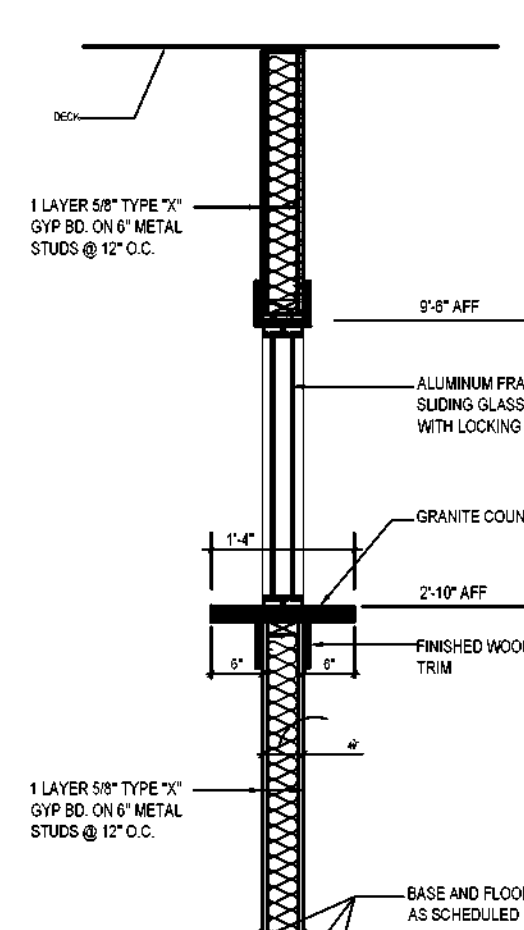
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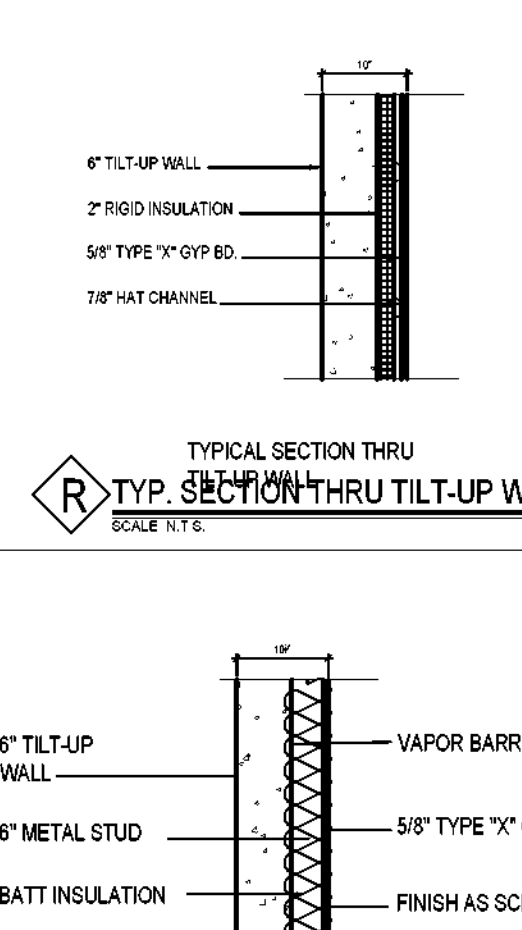
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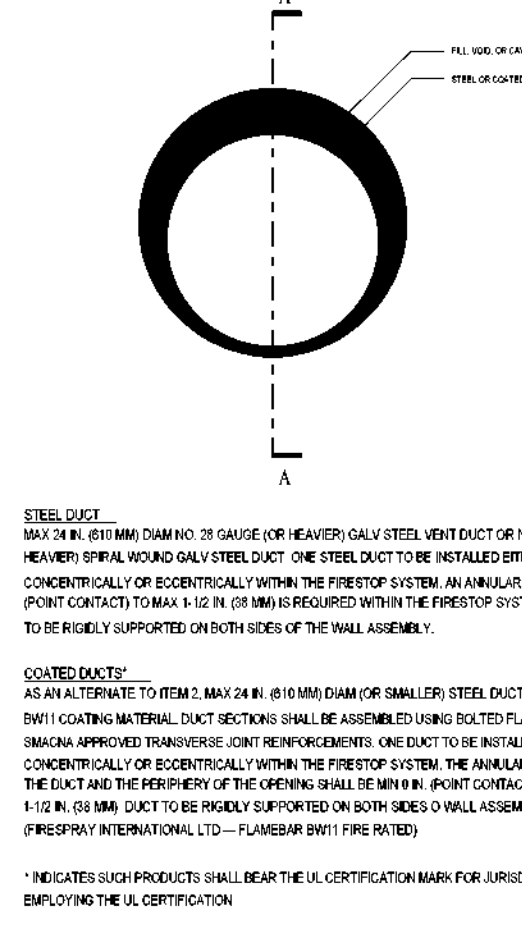
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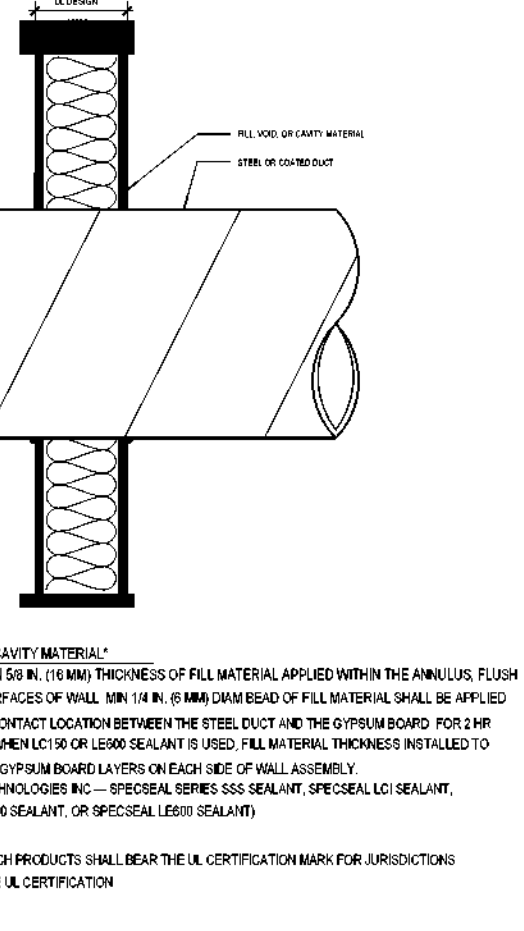
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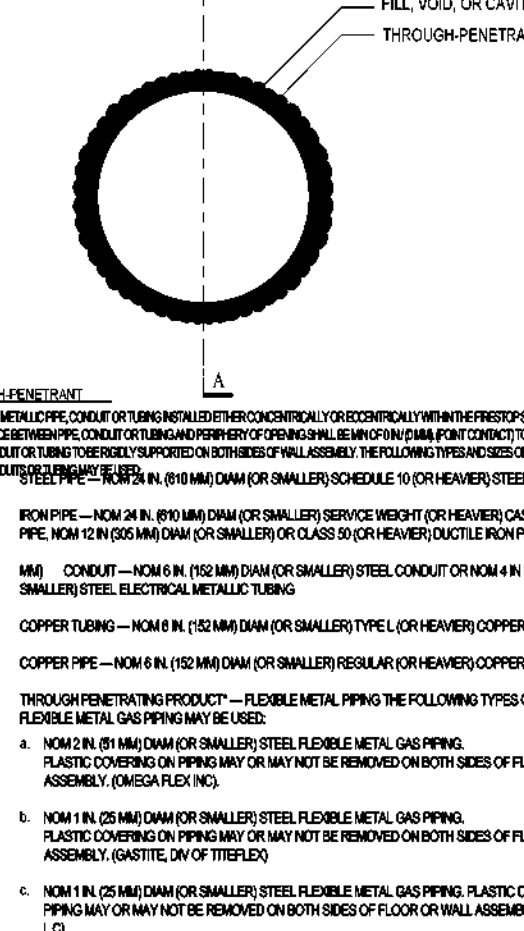
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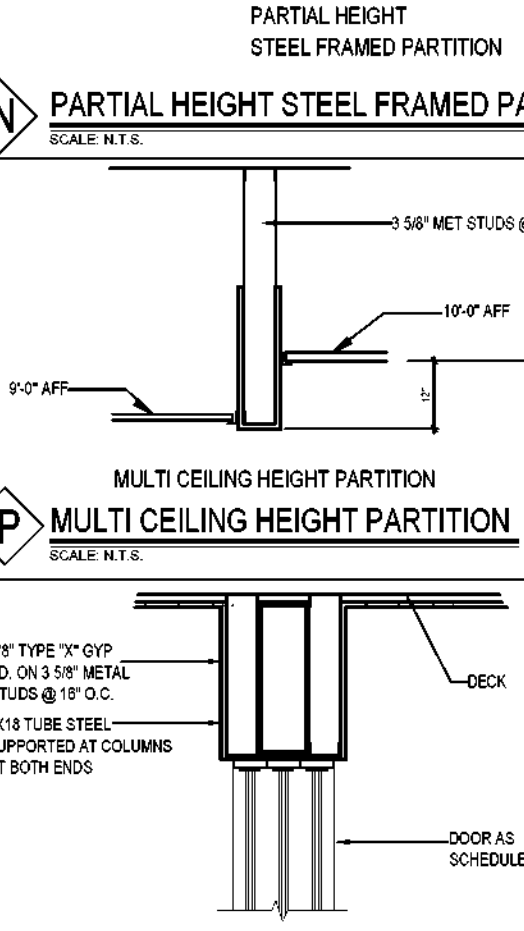
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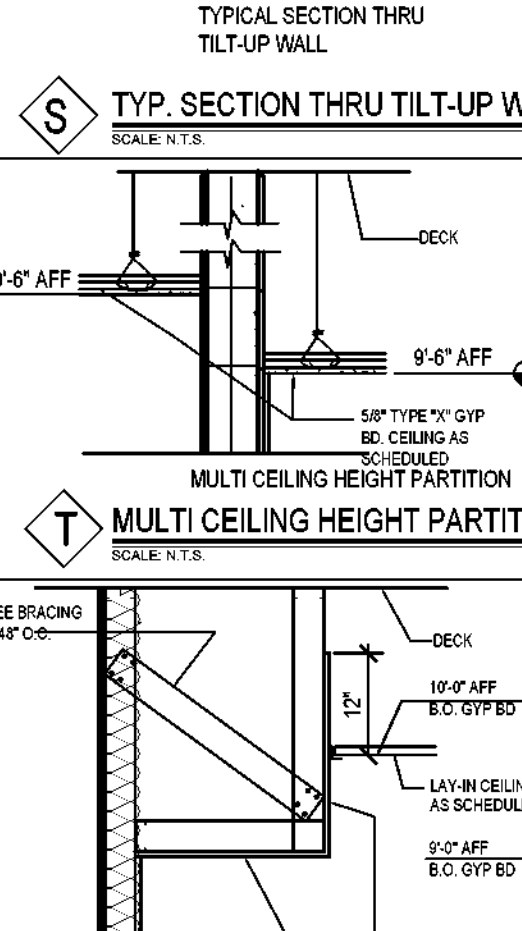
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**U TYP. PARTITION W/ FURR DOWN**  
SCALE: N.T.S.



**V TYP. SECTION THRU TILT-UP WALL**  
SCALE: N.T.S.



**W TYP. SECTION THRU TILT-UP WALL**  
SCALE: N.T.S.

**GENERAL NOTES**

- REFER TO SHEET C1.2 FOR A COMPLETE INTERNATIONAL BUILDING CODE REVIEW.
- REFER TO ELECTRICAL FOR LOCATION OF SMOKE DETECTORS, EXIT LIGHTING, AND FIRE ALARM INFORMATION. EXIT SIGNS AND SMOKE DETECTORS LOCATED IN CEILINGS SHALL BE POSITIONED AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- REFER TO THE A11-00 SERIES FOR RATED WALL TYPE INFORMATION. RATINGS SHOWN ON THIS SHEET IS FOR GRAPHICAL UNDERSTANDING ONLY.
- PARTITION TYPES AND FIRE RESISTIVE RATINGS INDICATED ON A WALL ARE TO BE CONTINUOUS FOR THE LENGTH AND HEIGHT OF A PARTITION.
- OPENINGS IN A RATED WALL, FLOOR, CEILING & ROOF ASSEMBLIES SHALL BE SEALED WITH A FIRE RESISTANT JOINT SYSTEMS OR PROTECTED WITH A FIRE RATED CHASE.

**LEGEND**

- NON-RATED PARTITION
  - SMOKE PARTITION
  - 1-HOUR RATED PARTITION
  - 2-HOUR RATED PARTITION
  - 3-HOUR RATED PARTITION
- \*NOTE: NOT ALL FIRE RATINGS USED IN PROJECT
- EXIT TRAVEL DISTANCE
  - FUNCTION OF SPACE AREA OCCUPANT LOAD
  - EGRESS WIDTH (DOOR OR STAIRS)
  - FIRE RATING OF OPENING

**EXIT REQUIREMENTS**

GREATEST TRAVEL DISTANCE TO EXIT	XX'-XX"	(250'-0" ALLOWED)
NUMBER OF EXITS	5	(4 REQUIRED)
MAXIMUM DEAD END LENGTH	(NONE)	(50'-0" ALLOWED)
STAIR EGRESS	(120')	(92' REQUIRED)

**CODE COMPLIANCE PLAN NOTES**

REFER TO SHEET G1.2 FOR A COMPLETE INTERNATIONAL BUILDING CODES AND COMPLIANCE.

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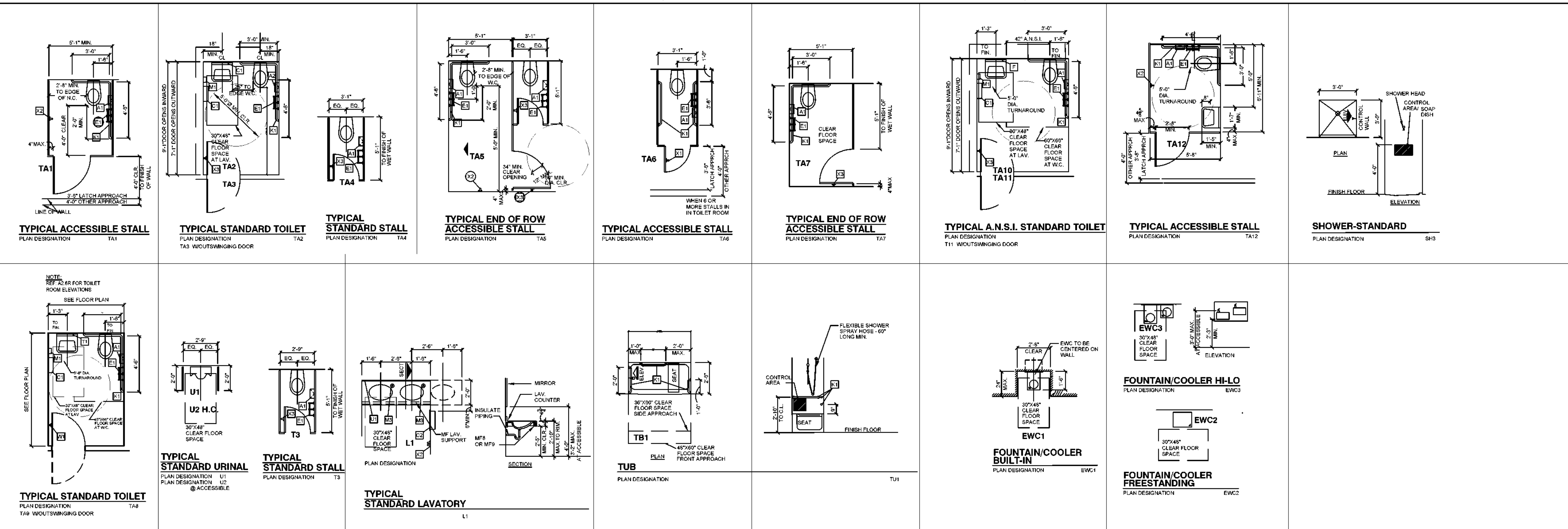
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**MARY MCLEOD BETHUNE**  
ELEMENTARY SCHOOL RENOVATIONS  
1665 DUNCANVILLE ROAD - DALLAS, TX.

**BOND2020**  
SHEET NAME:  
**PARTITION TYPES**

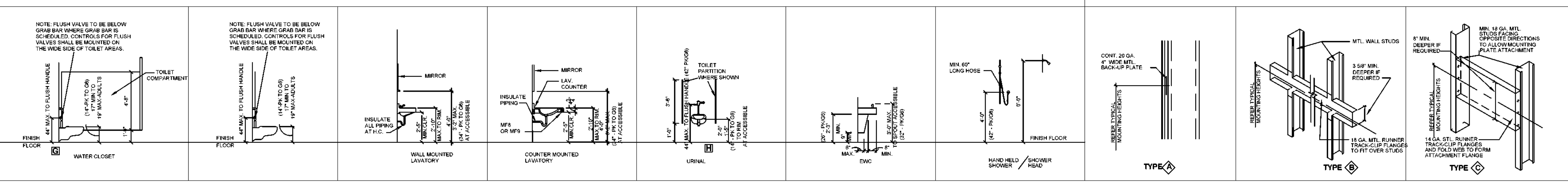
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TYPICAL TOILET ROOMS/STALLS AND PLUMBING FIXTURE PLANS/ELEVATIONS (APPLICABLE WHERE DESIGNATED ON PLAN)

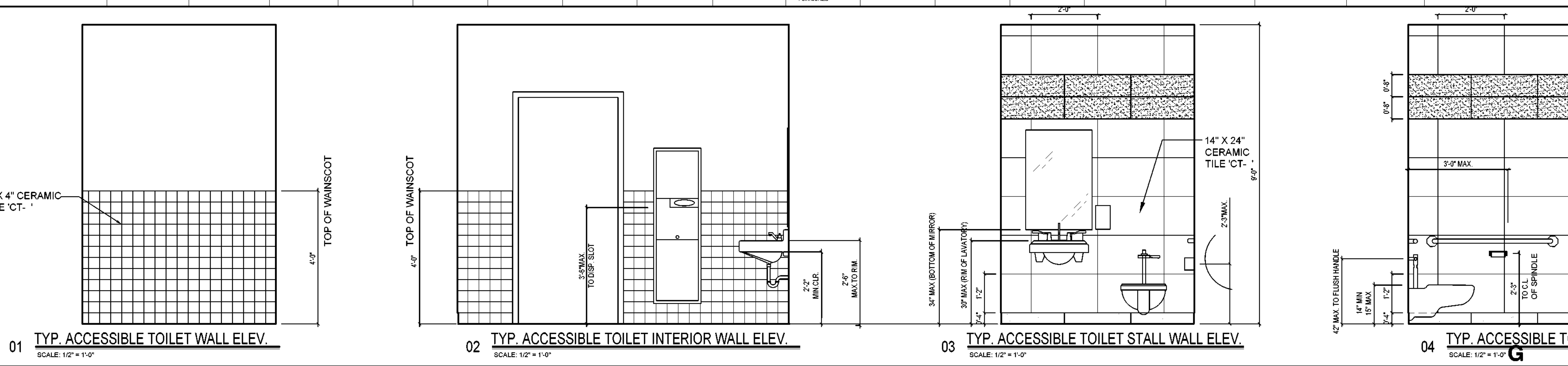


TYPICAL TOILET FIXTURES/COMPARTMENTS MOUNTING HEIGHTS



TYPICAL TOILET ACCESSORIES MOUNTING HEIGHTS - DRAWING DESIGNATION APPLICABLE WHEN DESIGNATED ON PLAN

ACCESSORY TYPE	MOUNTING DETAIL	DESIGN TYPE
<b>PARTITION MOUNTED</b>	1. ACCESSORIES LISTED MAY HAVE GRAB BARS ALPHABETICAL LISTING.	1. ACCESSORIES CAN APPEAR ON EXTERIOR PLANS OR INTERIOR ELEVATIONS.
<b>A</b> SANITARY NAPKIN DISPENSER (WOMEN'S ONLY)	1. SURFACE MOUNTED	1. SURFACE MOUNTED
<b>B</b> COMBINATION SANITARY NAPKIN DISPENSER/RECEPTACLE	2. RECESSED	2. RECESSED
<b>C</b> PAPER TOWEL DISPENSER	3. CONCEALED	3. CONCEALED
<b>D</b> SANITARY TOWEL DISPENSER	4. OWNER FURNISHED	4. OWNER FURNISHED
<b>E</b> TOILET TISSUE DISPENSER	5. SURFACE MOUNTED DOUBLE ROLL	5. SURFACE MOUNTED DOUBLE ROLL
<b>F</b> STAINLESS STEEL FRAMED MIRROR	6. WITH SHELF	6. WITH SHELF
<b>G</b> WASTE RECEPTACLE	7. SURFACE MOUNTED	7. SURFACE MOUNTED
<b>H</b> GRAB BAR	8. SATIN FINISH	8. SATIN FINISH
<b>I</b> MULTIPURPOSE UNIT	9. NON-SLIP FINISH	9. NON-SLIP FINISH
<b>J</b> SOAP DISPENSER	10. SURFACE MOUNTED	10. SURFACE MOUNTED
<b>K</b> TOILET SEAT COVER DISPENSER	11. RECESSED	11. RECESSED
<b>L</b> SHOWER BODYTRACK	12. RECESSED	12. RECESSED
<b>M</b> SOAP DISH	13. CERAMIC	13. CERAMIC
<b>N</b> FOLDING SHOWER SEAT	14. L-SHAPE	14. L-SHAPE
<b>O</b> MOP & BROOM HOLDER	15. HOLDER WITH UTILITY SHELF	15. HOLDER WITH UTILITY SHELF
<b>P</b> UNFRAMED MIRROR	16. HOLDER WITHOUT UTILITY SHELF	16. HOLDER WITHOUT UTILITY SHELF
<b>Q</b> ELECTRICAL HAND DRYER	17. WIDTH OF LAVATORY TOP U.N.O.	17. WIDTH OF LAVATORY TOP U.N.O.
<b>R</b> STAINLESS STEEL FINISH COAT HOOKS	18. SINGLE COAT HOOK	18. SINGLE COAT HOOK
	19. MULTI COAT HOOKS	19. MULTI COAT HOOKS



TOILET ACCESSORIES SCHEDULE

SYMBOL	DESCRIPTION	QUANTITY
SN1	PARTITION MOUNTED SANITARY NAPKIN DISPENSER	
SN2	RECESSED MOUNTED, COMMERCIAL SANITARY NAPKIN DISPENSER	
PC1	SEMI RECESSED, 18 GA. WASTE RECEPTACLE	
PC2	FLUSH RECESSED MOUNTED, 18GA. COMBINATION PAPER TOWEL DISPENSER / DISPOSAL	
P1	WALL SURFACE MOUNTED, 12GA. PAPER TOWEL DISPENSER	
P2	FLUSH RECESSED MOUNTED, 12GA. PAPER TOWEL DISPENSER	
SD1	WALL SURFACE MOUNTED, STAINLESS STEEL SOAP DISPENSER	
SD2	COUNTERTOP SURFACE MOUNTED, STAINLESS STEEL SOAP DISPENSER	
TT1	SURFACE MOUNTED DOUBLE ROLL, TOILET TISSUE DISPENSER	
TT2	SURFACE MOUNTED SINGLE ROLL, TOILET TISSUE DISPENSER	
TT3	SURFACE MOUNTED MULTIROLL, TOILET TISSUE DISPENSER	
TT4	RECESSED MOUNTED SINGLE ROLL, TOILET TISSUE DISPENSER	
FI	FOLDABLE BABY CHANGING TABLE	
GB1	SATIN NON SLIP FINISH GRAB BAR, "STRAIGHT" RE: FLOOR PLAN FOR SIZE.	
GB2	SATIN NON SLIP FINISH GRAB BAR, "L-SHAPED" RE: FLOOR PLAN FOR SIZE.	
LAV-1	WALL MOUNTED LAVATORY STANDARD	
LAV-2	WALL MOUNTED ACCESSIBLE LAVATORY	
WC-1	FLOOR MOUNTED, STANDARD WATER CLOSET	
WC-2	FLOOR MOUNTED HANDICAP ACCESSIBLE WATER CLOSET	
WC-3	WALL MOUNTED, STANDARD WATER CLOSET	
WC-4	WALL MOUNTED, HANDICAP ACCESSIBLE WATER CLOSET	
M1	UNFRAMED MIRROR WIDTH OF LAVATORY	
M2	UNFRAMED MIRROR WIDTH OF COUNTERTOP / CABINET	
N1	WALL MOUNTED TOILET SEAT COVER DISPENSER	
U1	WALL MOUNTED URINAL	
U2	WALL MOUNTED ACCESSIBLE URINAL	

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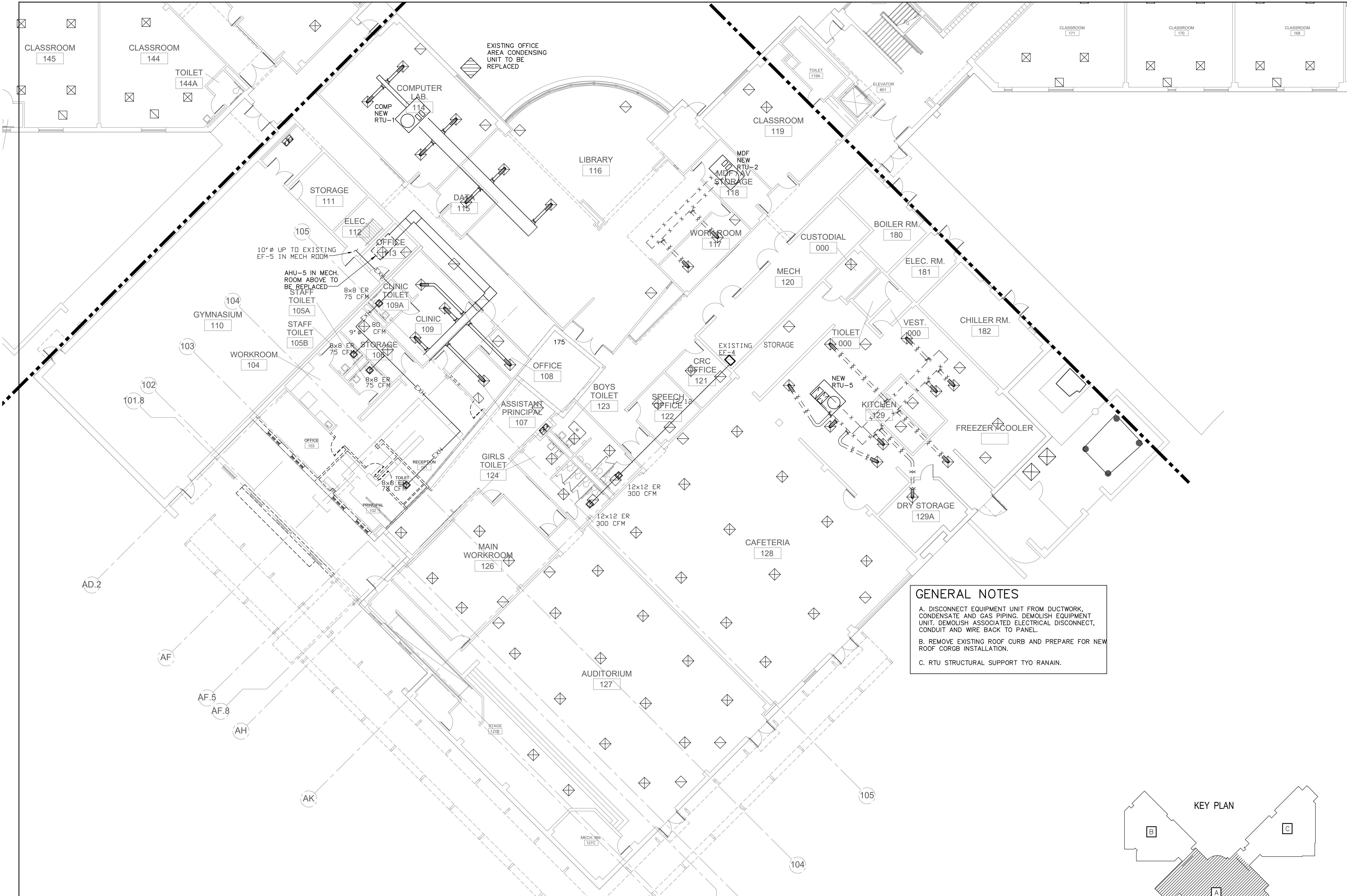
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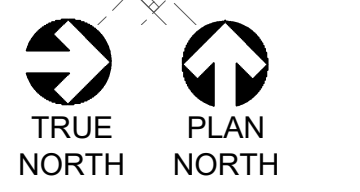
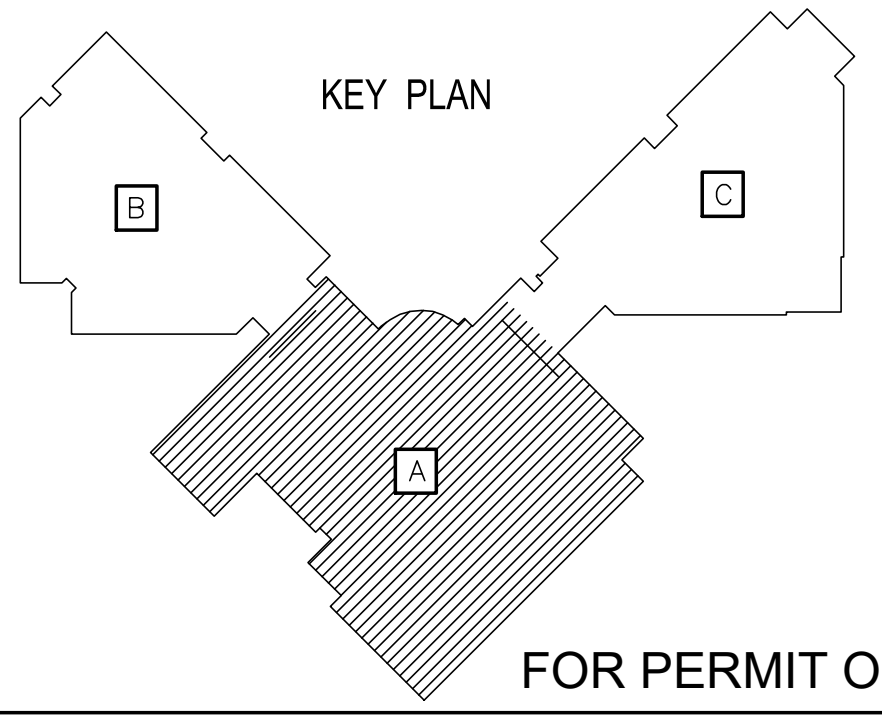
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 STATE OF TEXAS  
 SAM N. KAZANTSEV  
 08/18/23

Revisions	Issues
△ xxx/xxxx/xxxx	○ (2) xxx

**GENERAL NOTES**  
 A. DISCONNECT EQUIPMENT UNIT FROM DUCTWORK, CONDENSATE AND GAS PIPING. DEMOLISH EQUIPMENT UNIT. DEMOLISH ASSOCIATED ELECTRICAL DISCONNECT, CONDUIT AND WIRE BACK TO PANEL.  
 B. REMOVE EXISTING ROOF CURB AND PREPARE FOR NEW ROOF CORGB INSTALLATION.  
 C. RTU STRUCTURAL SUPPORT TYO RANAIN.



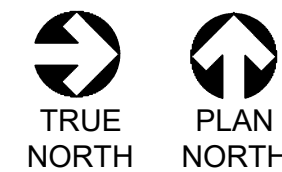
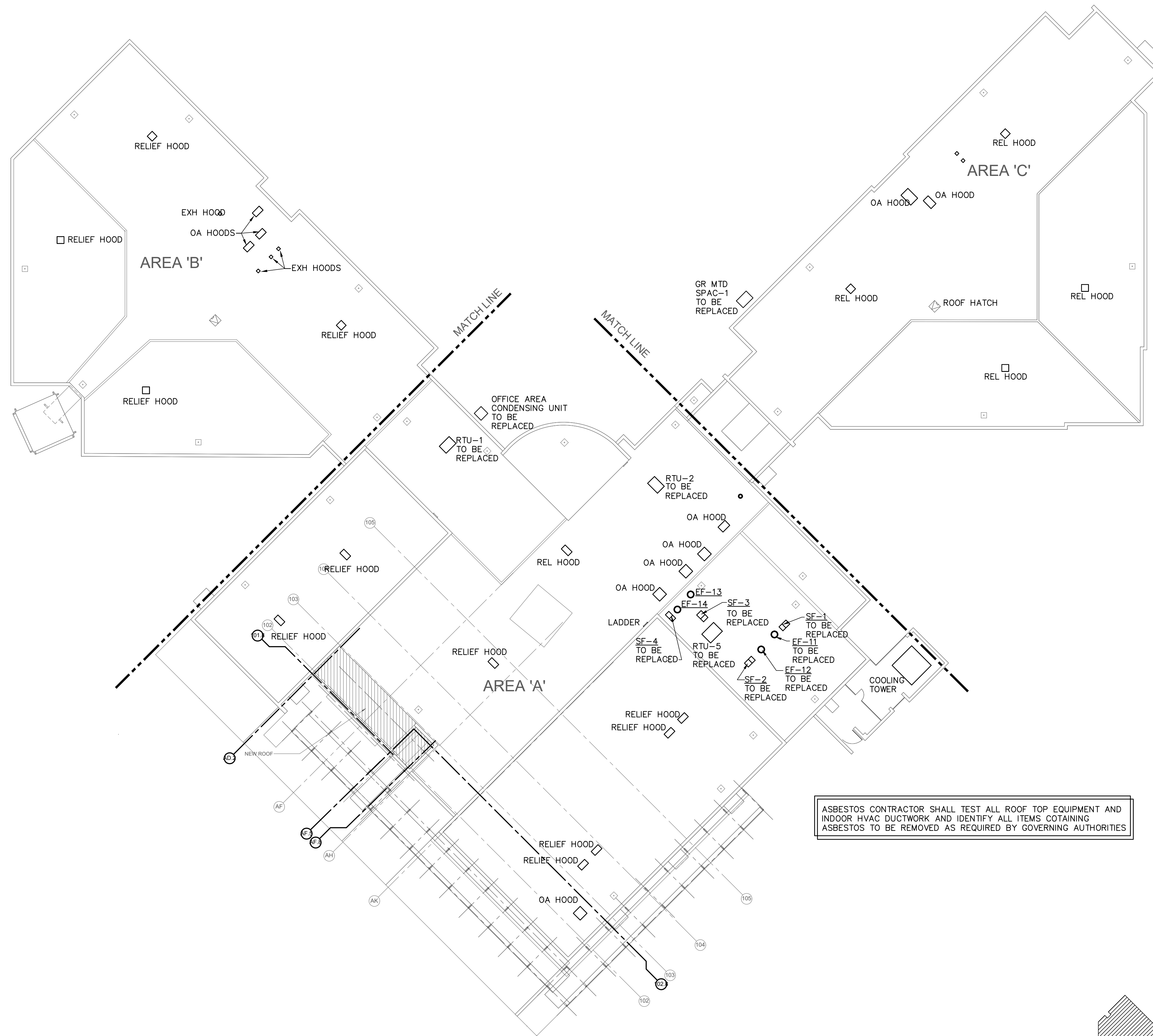
**LEVEL 1 PLAN - AREA "A" - HVAC DEMOLITION**  
 SCALE: 3/32" = 1'-0"

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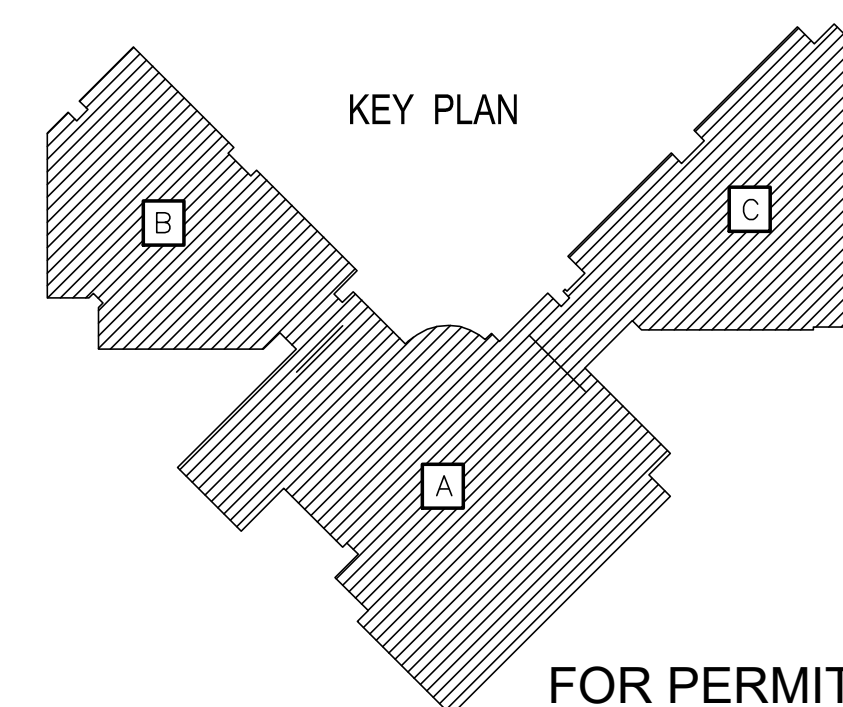
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**LEVEL 1 PLAN - AREA "A" - HVAC DEMOLITION**  
 Job 1025202  
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**DEMO ROOF PLAN - HVAC DEMOLITION**

SCALE: 3/64" = 1'-0"



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**DAN N. KAZATSEB**  
 9998  
 MECHANICAL ENGINEER

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BOND2020  
 OUR CHILDREN. OUR COMMUNITY. OUR FUTURE.

SHEET NAME  
**DEMO ROOF PLAN - HVAC DEMOLITION**

Job	1025202
Date	11-18-2022
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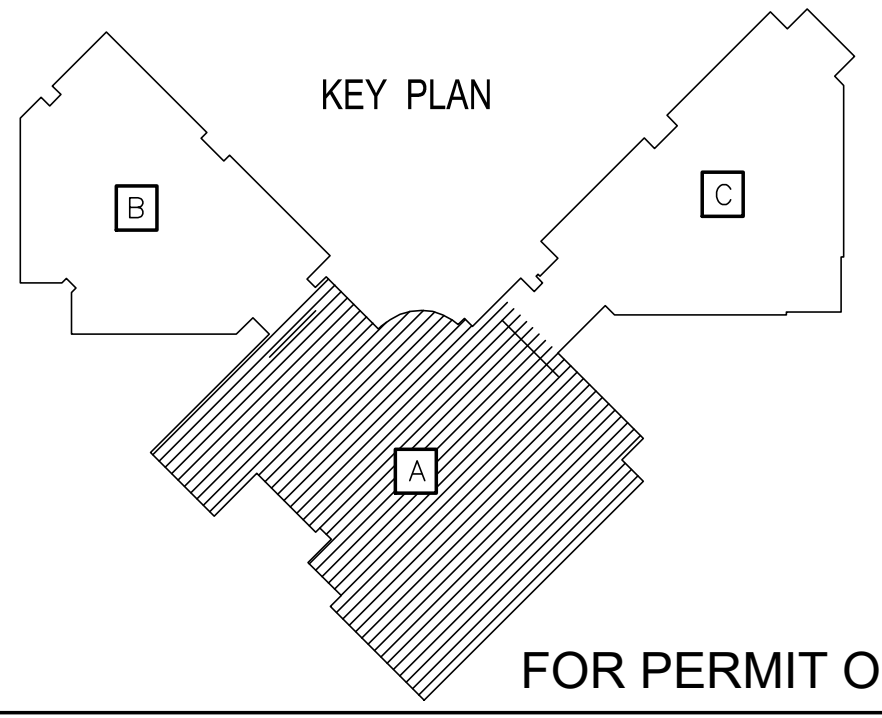
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**LEVEL 1 PLAN - AREA "A" - HVAC**

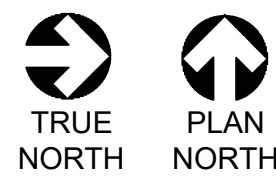
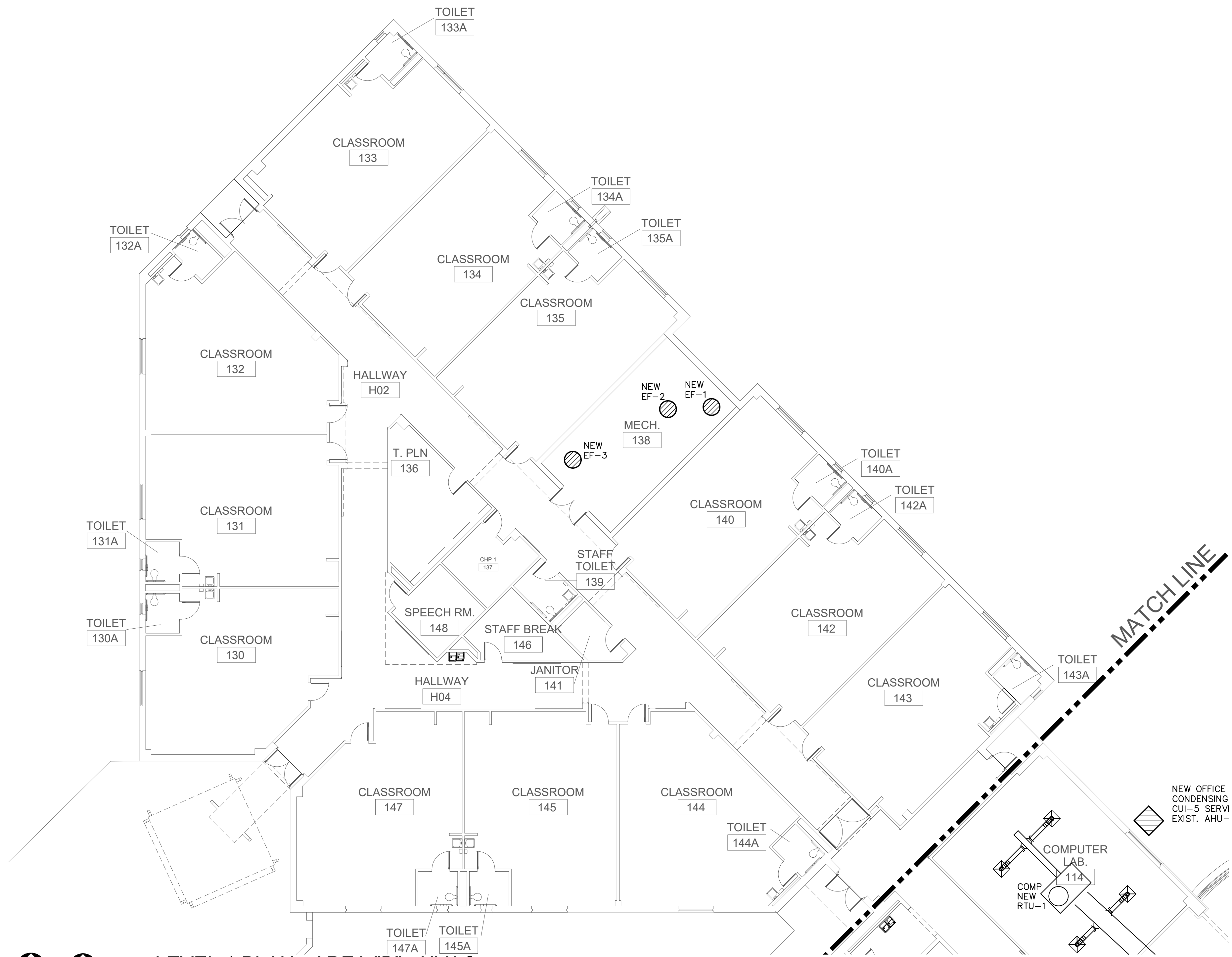
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**LEVEL 1 PLAN - AREA "A" - HVAC**  
 SCALE: 3/32" = 1'-0"

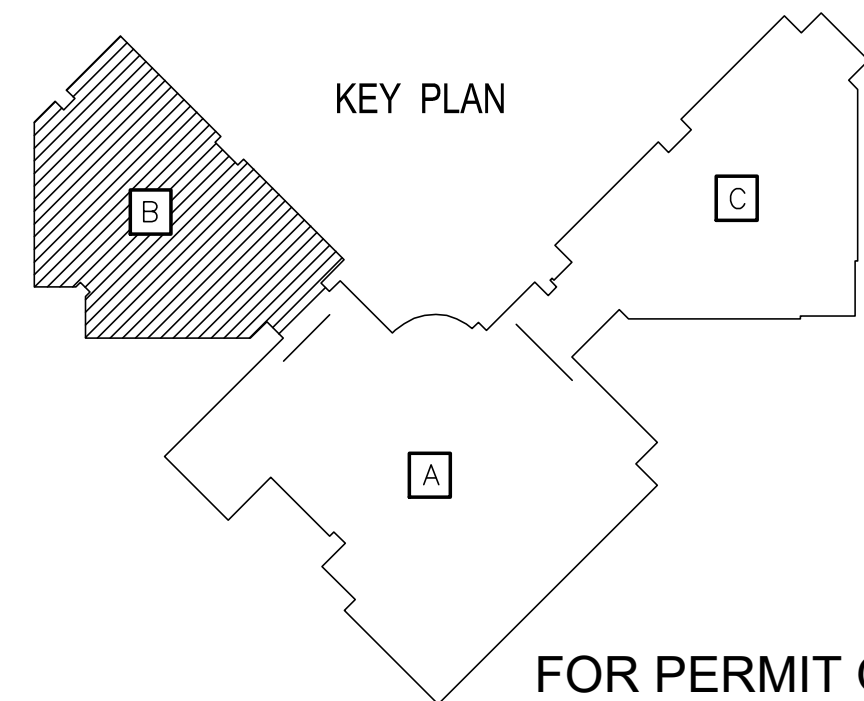
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**LEVEL 1 PLAN - AREA "B" - HVAC**

SCALE: 3/32" = 1'-0"



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OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

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**E. EVANS ASSOCIATES, INC.**  
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CONSULTANT SEAL:  
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△ Revisions	○ Issues
△ xx/xx/xxxx	○ (2) xxx

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

SHEET NAME:  
**LEVEL 1 PLAN - AREA "B" - HVAC**

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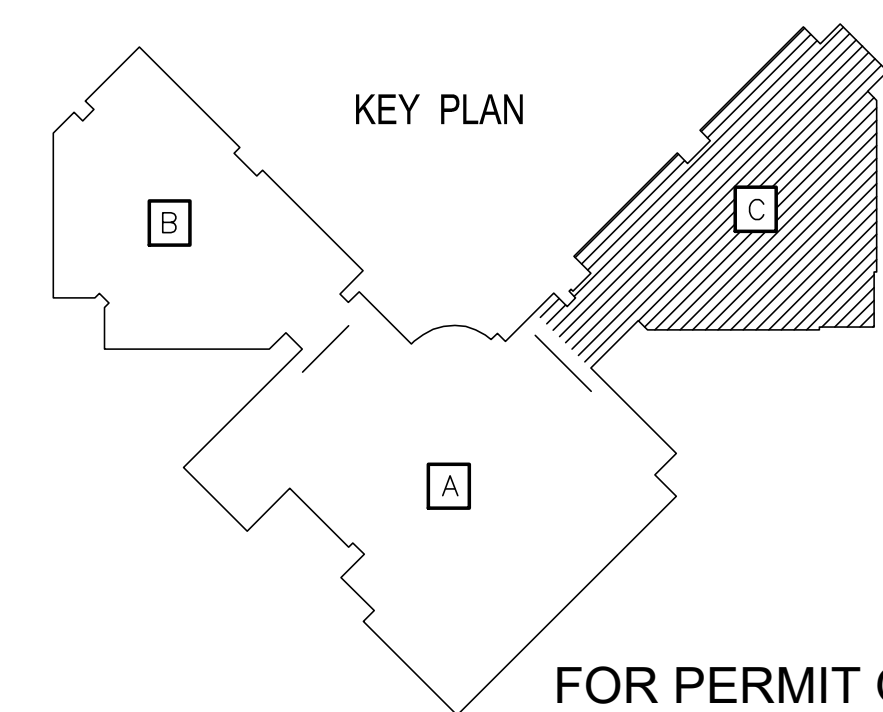


MATCH LINE



**LEVEL 1 PLAN - AREA "C" - HVAC**

SCALE: 3/32" = 1'-0"



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OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
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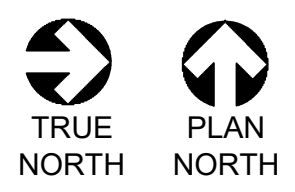
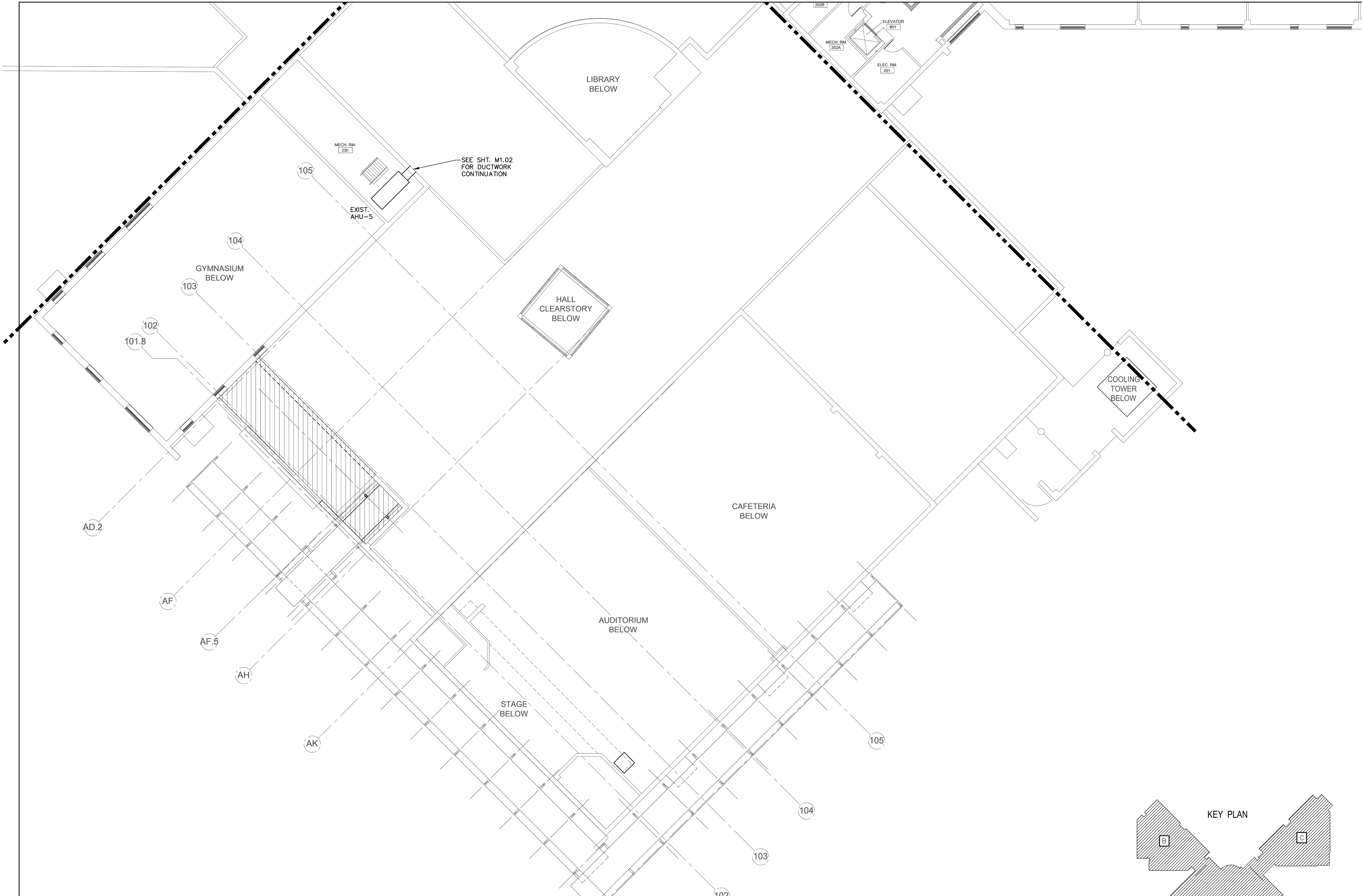
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Revisions	Issues
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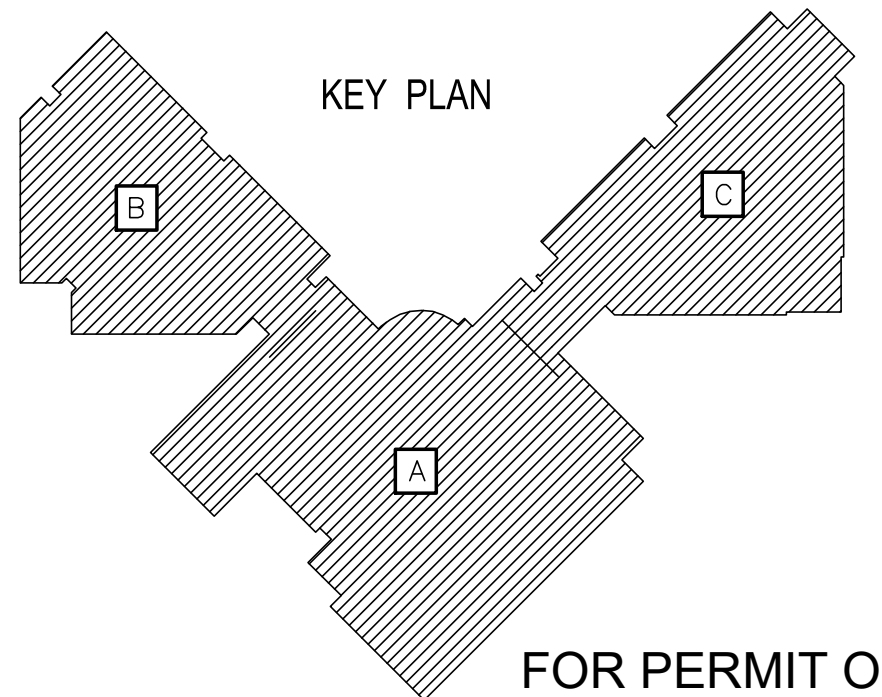
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**MARY MCLEOD BETHUNE**  
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 1665 DUNCANVILLE ROAD - DALLAS, TX.

SHEET NAME:  
**LEVEL 1 PLAN - AREA "C" - HVAC**

Job 1025202  
 Date 11-18-2022  
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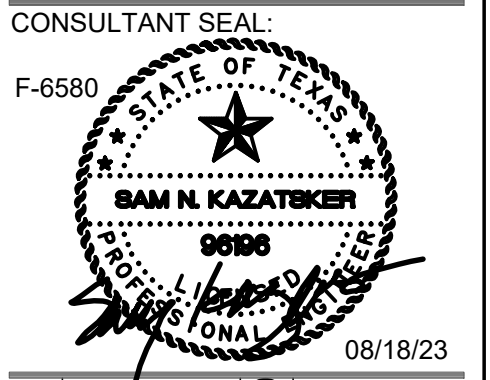
**LEVEL 2 PLAN - AREA "A" - HVAC**  
 SCALE: 3/32" = 1'-0"



OWNER:  
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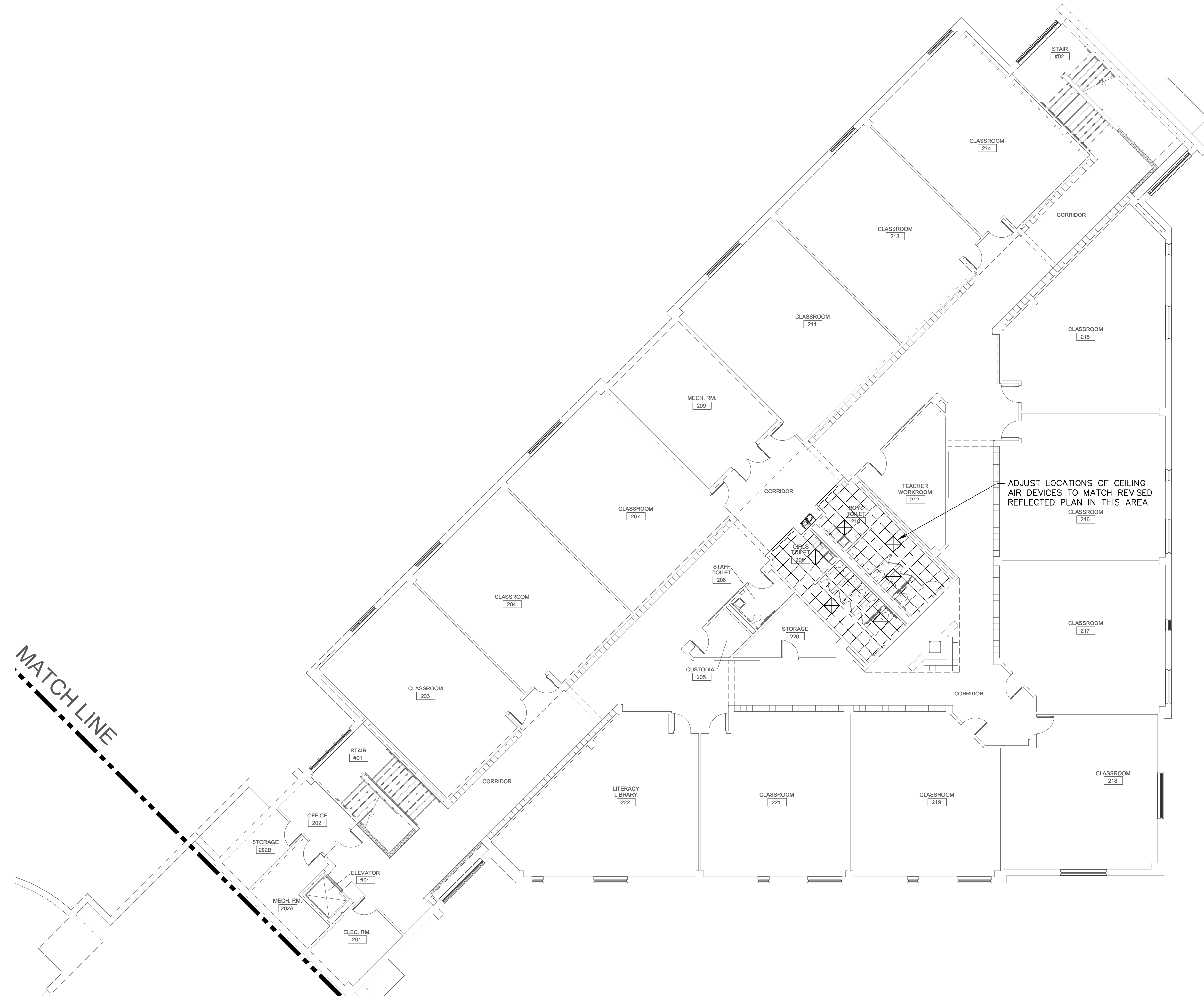
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 1665 DUNCANVILLE ROAD - DALLAS, TX.



SHEET NAME:  
**LEVEL 2 PLAN - AREA "A" - HVAC**

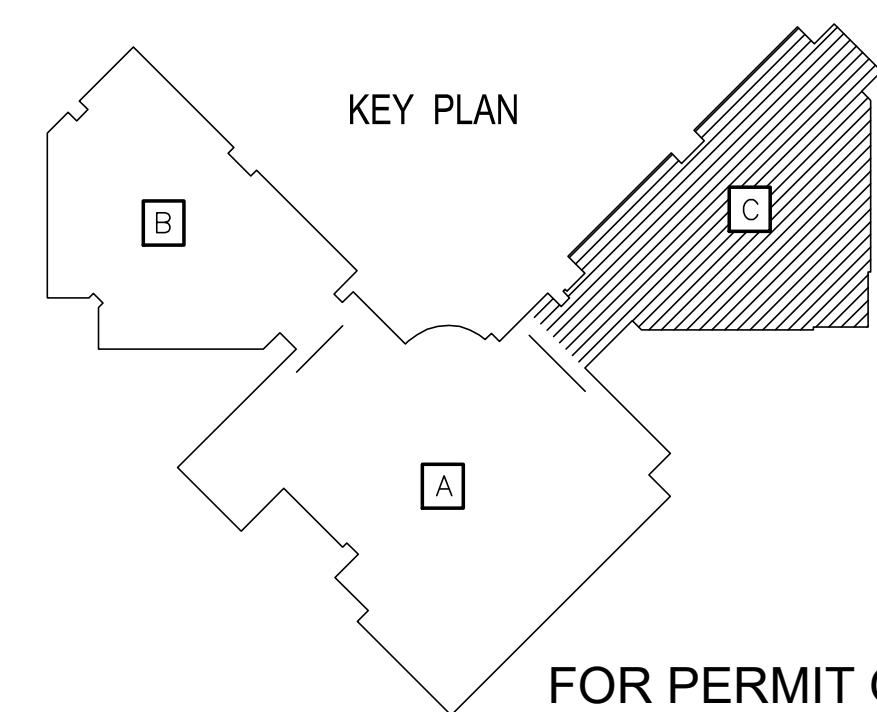
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**LEVEL 2 PLAN - AREA "C" - HVAC**

SCALE: 3/32" = 1'-0"



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 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
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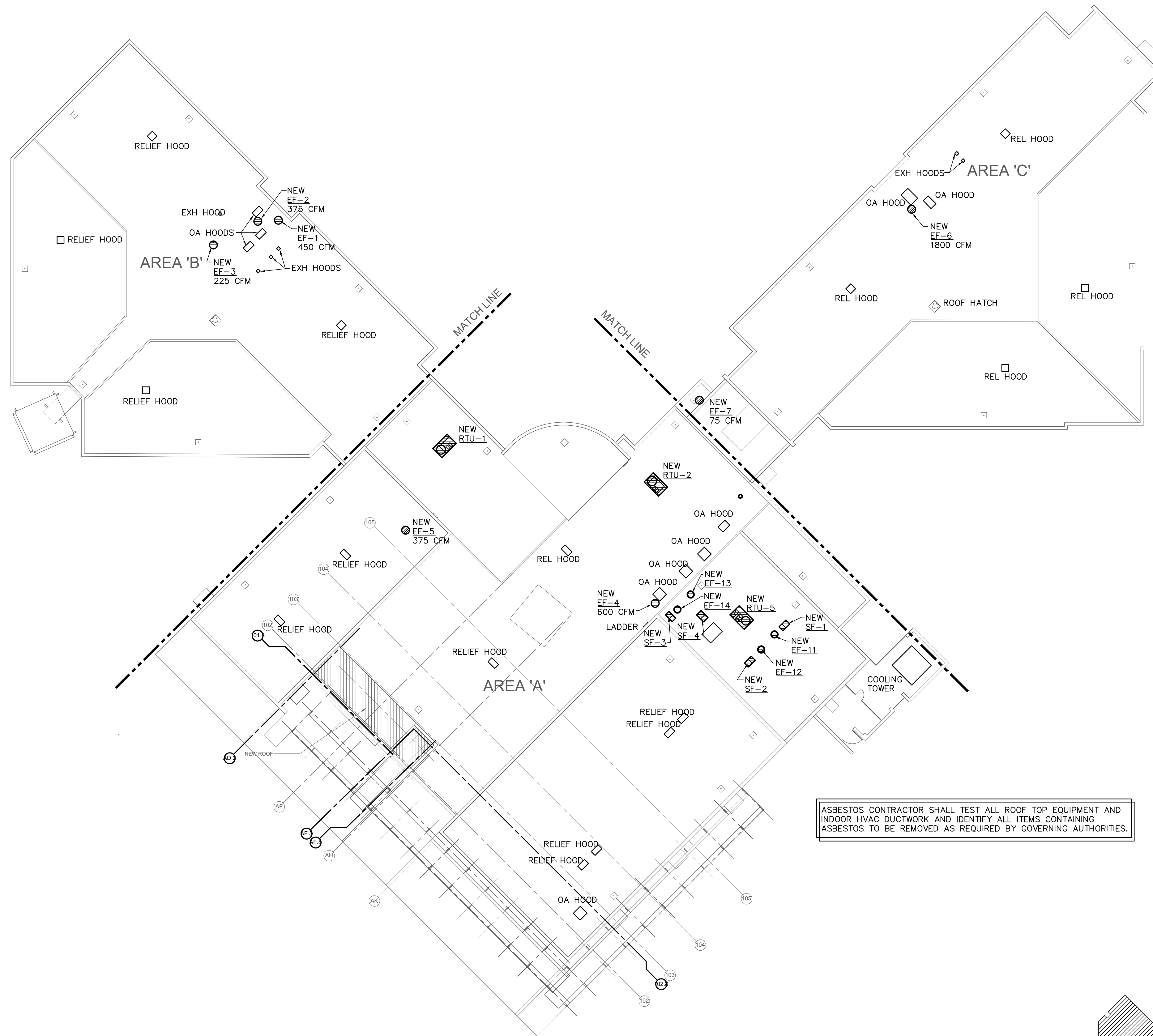
Revisions	Issues
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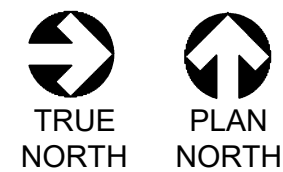
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**LEVEL 2 PLAN - AREA "C" - HVAC**

Job 1025202  
 Date 11-18-2022  
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 Of SHEETS



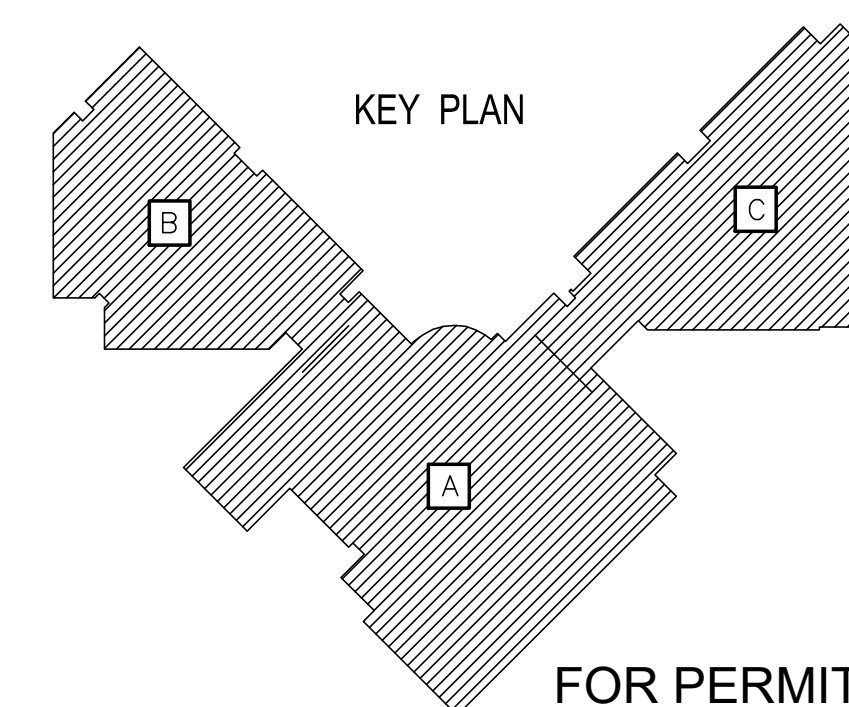


ASBESTOS CONTRACTOR SHALL TEST ALL ROOF TOP EQUIPMENT AND INDOOR HVAC DUCTWORK AND IDENTIFY ALL ITEMS CONTAINING ASBESTOS TO BE REMOVED AS REQUIRED BY GOVERNING AUTHORITIES.



**ROOF PLAN - HVAC**

SCALE: 3/64" = 1'-0"



OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

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Revisions	Issues
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**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

BOND2020

SHEET NAME:  
**ROOF PLAN - HVAC**

Job	1025202
Date	11-18-2022
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**MECHANICAL PROJECT NOTES**

1 PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALL PERMITS, INSPECTIONS, LICENSES AND FEES. FURNISH ALL LABOR, EQUIPMENT, SUPPLIES AND MATERIALS NECESSARY TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS.

2 THE DRAWINGS AND SPECIFICATIONS INDICATE THE GENERAL DESIGN AND ARRANGEMENT OF PIPES, FIXTURES, EQUIPMENT, SYSTEMS, ETC. INFORMATION SHOWN IS DIAGRAMMATIC IN CHARACTER AND DOES NOT NECESSARILY INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. DO NOT SCALE THE DRAWINGS FOR DIMENSIONS. TAKE ALL DIMENSIONS, MEASUREMENTS, EQUIPMENT LOCATIONS, LEVELS, ETC. FROM THE ARCHITECTURAL DRAWINGS, FIELD MEASUREMENTS, AND FROM THE EQUIPMENT TO BE FURNISHED. PIPING MAY BE RELOCATED OR OFFSET FOR PROPER CLEARANCES OR TO AVOID CONFLICTS WITH OTHER TRADES. THE DESIGN INTENT (I.E. PITCHES, VELOCITIES, PRESSURE DROPS, VOLTAGE DROPS, ETC.) CANNOT BE GREATLY ALTERED WITHOUT THE APPROVAL OF THE ARCHITECT. THE COST OF THESE DEVIATIONS TO AVOID INTERFERENCE'S SHALL BE PART OF THE ORIGINAL CONTRACT BID.

3 CONFER AND COOPERATE WITH ALL OTHER TRADES TO COORDINATE THEIR WORK. COORDINATION SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, MATERIALS AND EQUIPMENT ROUTED IN CEILING AND WALL CAVITIES, EQUIPMENT ARRANGEMENT IN MECHANICAL SPACES, INCLUDING EQUIPMENT CLEARANCE REQUIREMENTS, ELEVATIONS AND DIMENSIONS OF STRUCTURAL MEMBERS AND OPENINGS, ETC. NOTIFY THE ARCHITECT OF ANY CONFLICTS.

4 BASE FINAL INSTALLATION OF MATERIALS AND EQUIPMENT ON ACTUAL DIMENSIONS AND CONDITIONS AT THE PROJECT SITE. FIELD MEASURE FOR MATERIALS AND EQUIPMENT REQUIRING EXACT FIT. NO EXTRAS WILL BE GIVEN FOR THE CONTRACTOR'S FAILURE TO FIELD COORDINATE.

5 NEITHER THE OWNER NOR THE ENGINEER IS RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THE WORK.

6 LOCATE ALL EQUIPMENT THAT MUST BE SERVICED, OPERATED, OR MAINTAINED IN FULLY ACCESSIBLE POSITIONS. EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO, VALVES, MOTORS, CONTROLLERS, SWITCHGEAR, AND DRAIN POINTS IF REQUIRED FOR BETTER ACCESSIBILITY. FURNISH ACCESS DOORS FOR THIS PURPOSE. MINOR DEVIATIONS FROM THE DRAWINGS MAY BE ALLOWED TO PROVIDE FOR BETTER ACCESSIBILITY. ANY CHANGES SHALL BE APPROVED BY THE ARCHITECT AND CONSTRUCTION MANAGER/GENERAL CONTRACTOR PRIOR TO MAKING THE CHANGE.

7 PROVIDE ACCESS DOORS, WALL OPENINGS, ROOF OPENINGS, OR ANY OTHER CONSTRUCTION REQUIREMENT NEEDED TO ACCOMMODATE THE MECHANICAL EQUIPMENT. LOCATIONS OF THESE OPENINGS SHALL BE SUBMITTED IN SUFFICIENT TIME TO BE INSTALLED IN THE NORMAL COURSE OF WORK.

8 COORDINATE ELECTRICAL REQUIREMENTS OF APPROVED MECHANICAL EQUIPMENT WITH THE ELECTRICAL SUB-CONTRACTOR PRIOR TO THE PURCHASE AND INSTALLATION OF ANY ELECTRICAL EQUIPMENT, DEVICES, WIRING, OR CONDUIT.

9 PROVIDE GENERAL CONTROL WIRING, THERMOSTATS, MOTORIZED DAMPERS AND CONDUIT ASSOCIATED WITH HVAC EQUIPMENT. COORDINATE THE LOCATION OF ALL THERMOSTATS, ROOM SENSORS, ETC. WITH THE ARCHITECT AND ALL OTHER TRADES PRIOR TO INSTALLATION. IF A CONFLICT WITH MILLWORK, LIGHT SWITCHES, WINDOWS, ETC. EXISTS, NOTIFY THE ARCHITECT OF THE POTENTIAL INTERFERENCE PRIOR TO INSTALLATION. INSTALL THERMOSTATS WITH PROTECTIVE LOCKING COVER, CENTERED AT 4'-0" VABOVE FINISHED FLOOR, UNLESS OTHERWISE INDICATED. COMPLY WITH THE PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE TEXAS ACCESSIBILITY'S STANDARD (TAS).

10 ALL DIMENSIONS SHOWN ON THE DRAWINGS FOR DUCTWORK ARE NET INSIDE CLEAR DIMENSIONS. FOR RECTANGULAR DUCT, THE FIRST FIGURE OF THE DUCT SIZE INDICATES THE DIMENSION OF THE FACE SHOWN. VERIFY THAT THE DUCTWORK SPECIFIED WILL FIT IN THE SPACE AVAILABLE USING THE ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL DRAWINGS AS REFERENCE PRIOR TO FABRICATION AND INSTALLATION.

11 PROVIDE TURNING VANES ON ALL RECTANGULAR SUPPLY, EXHAUST, AND RETURN DUCTWORK INCLUDING THE TOP AND BOTTOM OF VERTICAL DUCTS UNLESS OTHERWISE INDICATED.

12 PROVIDE A LOCKING QUADRANT VOLUME DAMPER AT THE TAP OF EACH RUN-OUT TO DIFFUSERS FOR BALANCING PURPOSES, UNLESS OTHERWISE INDICATED. THE RUN-OUT DUCT SIZE IS THE SAME SIZE AS THE DIFFUSER OR GRILLE NECK SIZE, UNLESS OTHERWISE INDICATED.

13 CEILING SPACE IS NEEDED AS A RETURN AIR PLENUM IN CERTAIN AREAS. FOLLOW ALL APPLICABLE CODES AS TO MATERIALS ALLOWED FOR USE IN AIR PLENUMS. COORDINATE ALL WORK TO PROVIDE FREE RETURN OF AIR FROM ALL LOCATIONS.

14 REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF ALL FIRE RATED WALLS AND CEILINGS. PROVIDE FIRE DAMPERS AND/OR COMBINATION FIRE/SMOKE DAMPERS IN DUCTWORK AT ALL LOCATIONS WHERE DUCTS PASS THROUGH FIRE RATED ASSEMBLY. MECHANICAL SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING FIRE AND FIRE/SMOKE DAMPERS. COORDINATE CONSTRUCTION REQUIREMENTS AND PROVISIONS FOR CONNECTIONS TO FIRE ALARM SYSTEM.

15 ALL DUCTWORK SHALL BE SHEET METAL FABRICATED IN ACCORDANCE WITH SMACNA STANDARDS. SUPPLY AND RETURN DUCTWORK LOCATED OUTSIDE, EXPOSED TO AMBIENT CONDITIONS, SHALL BE INTERNALLY LINED WITH 2" DUCT LINER. BREAK SHEET METAL IN A MANNER TO PREVENT STANDING WATER ON HORIZONTAL SURFACES. SEAL ALL SEAMS WITH MASTIC DESIGNED FOR USE ON METAL DUCT, GLASS FIBER DUCT BOARD, AND FLEXIBLE DUCT. MASTIC SHALL BE UL 181 LISTED FOR THE APPLICATION USED.

16 ALL DUCTWORK SHALL BE SHEET METAL FABRICATED IN ACCORDANCE WITH SMACNA STANDARDS. ALL DUCTWORK ON VAV SYSTEMS FROM AHU TO TERMINAL UNIT SHALL BE CONSTRUCTED TO 6" W.G. AND SEALED TO SMACNA CLASS A DUCTWORK DOWN STREAM OF TERMINAL UNITS SHALL BE CONSTRUCTED TO 1" W.G. AND SEALED TO SMACNA CLASS C. ALL DUCTWORK ASSOCIATED WITH CONSTANT VOLUME SYSTEMS SHALL BE CONSTRUCTED TO 2" W.G. AND SEALED TO SMACNA CLASS A. SEAL ALL SEAMS WITH MASTIC SEALANT UL 181 LISTED FOR THE APPLICATION USED. SEALANT SHALL BE DESIGNED FOR USE ON METAL DUCT AND FLEXIBLE DUCT.

17 ALL RECTANGULAR AND ROUND SUPPLY AND RETURN DUCTWORK LOCATED IN EXPOSED INTERIOR AREAS SHALL BE INTERNALLY LINED WITH DUCT LINER AND EXTERNALLY PAINTED. REFER TO ARCHITECT FOR COLOR SELECTION.

18 INSTALL DX PIPING AS SPECIFIED, INCLUDING FILTER/DRYER, SIGHT GLASS, ISOLATION/CHARGING VALVES, AND ALL APPURTENANCES PER MANUFACTURER'S RECOMMENDATIONS. INSTALLATION SHALL BE ACCOMPLISHED IN A NEAT AND ORDERLY FASHION, AS APPROVED BY THE ENGINEER. COORDINATE FOR ROUTING OF DX PIPING, UP INSIDE OF WALLS, ETC. AS REQUIRED, TERMINATING AT AHU'S. PROVIDE BRACING/ISOLATION AS REQUIRED TO PREVENT VIBRATION OF DX PIPING INSIDE WALLS, ETC. SIZE, ROUTE, AND INSULATE DX PIPING PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATION REQUIREMENTS.

19 PROVIDE VIBRATION ISOLATORS FOR MOTOR DRIVEN EQUIPMENT, UNLESS OTHERWISE NOTED. PROVIDE ISOLATION AS INDICATED OR AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.

20 SOME PIPES AND DUCTS SHOWN ON EACH FLOOR PLAN MAY BE SHOWN WITH AN OFFSET FOR CLARITY.

21 SEAL ALL PIPE AND DUCT PENETRATIONS THROUGH FIRE RATED BUILDING ELEMENTS WITH AN APPROVED FIRE PROOFING MATERIAL.

22 ALL EQUIPMENT SHALL HAVE IDENTIFICATION TAGS. TAGS SHALL BE PLASTIC LAMINATE, WHITE FACE WITH 1/2" TALL BLACK LETTERS. THE TAG SHALL MATCH THE UNIT DESIGNATIONS SHOWN ON THE SCHEDULES.

23 EXPAND OR REDUCE DUCTS AT EQUIPMENT CONNECTIONS BASED ON THE EQUIPMENT PURCHASED, WITH TRANSITIONS NOT TO EXCEED 30 DEGREES. SIZES SHOWN ON SCHEDULES, ETC. ARE FOR GUIDANCE ONLY. ASPECT RATIO SHALL BE NO GREATER THAN 4:1, PER SMACNA'S GUIDELINES.

24 ALL DUCTS WITH A DIMENSION GREATER THAN 12" PASSING THRU A NON-RATED WALL SHALL HAVE THE OPENING FRAMED IN WITH METAL STUDS. COORDINATE OPENING SIZE AND LOCATION WITH OTHER TRADES.

25 PROVIDE ALL CEILING RETURN GRILLES WITH RETURN SOUND ATTENUATOR AS DETAILED.

26 PROVIDE HIGH POINT AIR VENTS AS SHOWN ON PLANS.

WHERE PIPING ROUTING CREATES AIR TRAPS AIR VENTS SHALL BE INSTALLED ON EITHER SIDE OF TRAP.

27 WHERE DAMPERS ARE LOCATED ABOVE HARD CEILINGS PROVIDE CONCEALED YOUNG REGULATORS. REGULATORS SHALL NOT BE LOCATED IN CORRIDORS, PATIENT CARE, OR TREATMENT AREAS. EACH REGULATOR SHALL BE LABELED PER THE SPECIFICATIONS.

28 TEST AND BALANCE SHALL BE PERFORMED BY AN AABC LICENSED FIRM IN THE TESTING, ADJUSTING, AND BALANCING (TAB) BUSINESS FOR A MINIMUM OF 10 YEARS. AABC FIRM SHALL SUBMIT A REPORT TO THE ENGINEER OF RECORD INDICATING EQUIPMENT NAMEPLATE DATA, DESIGN PERFORMANCE, INITIAL TESTED PERFORMANCE, AND FINAL ADJUSTED PERFORMANCE. REPORT SHALL BE SUBMITTED IN A TIMELY FASHION PRIOR TO JOB CLOSE-OUT. TAB SHALL BE PERFORMED ON ALL NEW SYSTEMS SPECIFIED AND ON ALL EXISTING SYSTEMS MODIFIED AS PART OF THIS CONTRACT. TAB FIRM SHALL PERFORM A FUNCTIONAL PERFORMANCE TEST OF THE SYSTEM BASED ON THE CONTRACT DOCUMENTS HEREIN AND SHALL RELAY ALL DISCREPANCIES AND OUTSTANDING CONSTRUCTION ITEMS RELATING TO THE MECHANICAL EQUIPMENT AND PERFORMANCE TO THE ENGINEER OF RECORD.

29. HVAC EQUIPMENT FURNISHED, INSTALLED AND TURNKEY BY OWNER INCLUDING, BUT NOT LIMITED TO CONDENSATE DRAIN, ROOF CURB, ROOF FLASHING AND COMNTRLS.

30. CONTRACTOR IS RESPONSIBLE FOR THE DUCTWORK, DAMPERS, DIFFUSERS ASSOCIATED WITH OWNER FURNISHED EQUIPMENT AS SHOWN ON PLANS.

31. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH OWNER PROVIDED HVAC TEST. ADJUST AND BALANCE FIRM AS PER CONTRACT DOCUMENT.

32. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH OWNER PROVIDED HVAC COMMISSIONING AGENT AS PER CONTRACT DOCUMENT.

**MECHANICAL PROJECT DEMOLITION NOTES**

1 EXISTING WORK SHOWN ON PLANS IS FROM PREVIOUS ENGINEERING DOCUMENTS AND FIELD OBSERVATIONS. ACTUAL CONDITIONS MAY VARY; FIELD VERIFY EXISTING WORK AND MAKE MINOR ADJUSTMENTS NECESSARY TO COMPLETE WORK. IF EXISTING CONDITIONS PROHIBIT WORK, NOTIFY THE ARCHITECT FOR DIRECTION, AS REQUIRED.

2 WHERE EXISTING EQUIPMENT OR DUCTWORK IS LOCATED SUCH THAT IT IS ALONG THE TOP OF NEW WALLS TO DECK, IT SHALL BE RELOCATED. COORDINATE SUCH WORK WITH OTHER TRADES. RELOCATED EQUIPMENT SHALL BE TO A LOCATION THAT ALLOWS ACCESS FOR PERIODIC SERVICING AND REPAIR.

3 COORDINATE WITH ALL TRADES FOR REQUIRED CEILING REMOVAL IN EXISTING BUILDING. NOTIFY THE ARCHITECT AND OWNER PRIOR TO COMMENCING REMOVAL. REMOVE ONLY THAT PORTION OF THE CEILING NECESSARY TO ACCESS AND COMPLETE THE WORK. UPON COMPLETION OF THE ABOVE CEILING WORK, CEILING IS TO BE REINSTALLED. REPLACE ANY DAMAGED CEILING TILES WITH NEW TILES TO MATCH EXISTING.

4 DEMOLITION SHALL EXTEND TO POINTS OF CONNECTION WITH LIVE SERVICES (PANELBOARDS, PIPING MAINS, ETC.). DEMOLITION SHALL NOT PERMIT ABANDONMENT OF ANY PORTION OF ANY SYSTEM UNLESS SPECIFICALLY NOTED AS "ABANDON IN PLACE" OR "TO REMAIN".

5 DEMOLITION SHALL INCLUDE EQUIPMENT, PIPING, DUCTWORK, SUPPORTS, FITTINGS, ACCESSORIES, CONTROLS, WIRING, CONDUIT, ETC. IN THEIR ENTIRETY UNLESS OTHERWISE NOTED.

6 VERIFY THE CONDITION OF ALL EXISTING EQUIPMENT WITHIN THE PROJECT SCOPE, EXACT SIZES OF EXISTING DUCT AND PIPING, ETC. BEFORE COMMENCING DEMOLITION WORK. REPORT ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL FIELD CONDITIONS TO ARCHITECT ARCHITECT PRIOR TO THE COMMENCEMENT OF DEMOLITION WORK.

7 PATCH OPENINGS IN WALLS TO MAINTAIN THE INTEGRITY OF THE WALL WHERE AIR DEVICES HAVE BEEN REMOVED. REFER TO ARCHITECTURAL DRAWINGS/SPECIFICATIONS FOR ADDITIONAL INSTRUCTIONS.

8 THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS SHOWN IN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PAY FOR AND REPAIR ALL DAMAGES CAUSED BY FAILURE TO LOCATE AND PRESERVE UNDERGROUND UTILITIES.

9 THE OWNER HAS THE FIRST RIGHT-OF-REFUSAL FOR ALL DEMOLISHED EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL OF ANY EQUIPMENT REFUSED BY THE OWNER.

10 ALL REMOVED EQUIPMENT SHALL BE MAINTAINED IN GOOD CONDITION. REMOVED EQUIPMENT NOT INDICATED FOR RE-USE SHALL REMAIN THE PROPERTY OF THE OWNER. REMOVE THE EQUIPMENT AND DELIVER IT TO THE OWNER. SHOULD THE OWNER DECLINE THE POSSESSION OF THE REMOVED EQUIPMENT, IT SHALL BECOME THE PROPERTY OF THE CONTRACTOR FOR REMOVAL FROM SITE.

11 WHEN ALL CONSTRUCTION IS COMPLETE INSTALL NEW, CLEAN PRE-/POST-FILTERS IN AIR UNITS SERVING THE RENOVATED AREAS. VERIFY CONDITION OF UNIT FILTER GAUGES AND REPAIR OR REPLACE IF FOUND TO BE DAMAGED OR NON-FUNCTIONAL.

12 FOR ALL EQUIPMENT TO BE DEMOLISHED, RECLAIM REFRIGERANT PRIOR TO DEMO OR REMOVAL OF EQUIPMENT IN ACCORDANCE WITH LOCAL AHJ REQUIREMENTS AND US EPA REGULATIONS. REFRIGERANT RECLAIMER MUST BE CERTIFIED BY THE EPA.

13 CAP AND SEAL AIR TIGHT ALL POINTS AT WHICH DUCTWORK IS REMOVED FROM DUCTWORK THAT WILL REMAIN. RE-INSULATE REMAINING DUCTWORK TO MAINTAIN VAPOR BARRIER.

14 TAKE AIR FLOW READINGS ON EACH FAN INLET, OUTSIDE AIR INTAKE, AND SUPPLY AIR FAN DISCHARGE, PRIOR TO DEMOLITION WORK. RECORD AND SUBMIT TO ARCHITECT/ENGINEER.

15 TAKE AIR READINGS OF ALL GRILLES, REGISTERS, AND DIFFUSERS IN PROJECT AREAS PRIOR TO DEMOLITION. RECORD AND SUBMIT TO ARCHITECT/ENGINEER.

16 VERIFY CLEARANCE REQUIREMENTS AND INDICATE ROUTING OF NEW DUCTWORK BEFORE FABRICATION BEGINS AS RISES AND DROPS MAY BE NECESSARY DUE TO EXISTING FIELD CONDITIONS.

17 WHERE PIPING IS SHOWN TO BE DEMOLISHED, IT SHALL BE DEMOLISHED TO THE POINT OF ORIGIN AT THE NEAREST ACTIVE MAIN. INSTALL SHUT-OFF VALVE AND CAP FOR FUTURE CONNECTION.

18 DEMOLITION AND/OR RELOCATION OF CONTROLS FOR EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO: SPACE AND DUCT THERMOSTATS, SPACE AND DUCT TEMPERATURE/HUMIDITY SENSORS, SMOKE DETECTORS, FIRE-STATS, FREEZE-STATS, AND ANY OTHER SAFETY OR LIMITING DEVICES, EXISTING CONTROL SYSTEMS CONTROL PANELS.

19 VERIFY CONDITION OF ALL EXISTING LIFE SAFETY DEVICES (FIRE DAMPERS, DUCT DETECTORS, ETC.) THAT ARE TO REMAIN AND ARE WITHIN LIMITS OF CONSTRUCTION. REPAIR OR REPLACE IF FOUND TO BE DAMAGED OR NON-FUNCTIONAL.

20. DISCONNECT EQUIPMENT UNIT FROM DUCTWORK, CONDENSATE AND GAS PIPING. DEMOLISH EQUIPMENT UNIT. DEMOLISH ASSOCIATED ELECTRICAL DISCONNECT, CONDUIT AND WIRE BACK TO PANEL.

21. REMOVE EXISTING ROOF CURB AND PREPARE FOR NEW ROOF CORGB INSTALLATION.

22. RTU STRUCTURAL SUPPORT TYO RAMAIN.

**MECHANICAL SYMBOL LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	DIRECTION OF FLOW		LINED DUCTWORK
	THERMOSTAT		RECTANGULAR ELBOW WITH TURNING VANES
	GATE VALVE		ROUND FLEXIBLE DUCT CONNECTION
	CHECK VALVE		90 DEGREE ELBOW DOWN
	STRAINER		90 DEGREE ELBOW UP
	UNION		FLEXIBLE DUCT CONNECTION
	PRESSURE GAUGE		SUPPLY AIR DEVICE
	THERMOMETER		DUCT SIZE TRANSITION
E.A.	EXHAUST AIR	CHWS	CHILLED WATER SUPPLY
	FIRE DAMPER	CHWR	CHILLED WATER RETURN
H.O.A.	HAND - OFF - AUTOMATIC	CWS	CONDENSER WATER SUPPLY
N.C.	NORMALLY CLOSED	CWR	CONDENSER WATER RETURN
N.O.	NORMALLY OPEN	HWS	HOT WATER SUPPLY
M.A.	MIXED AIR	HWR	HOT WATER RETURN
O.A.	OUTSIDE AIR	RS	REFRIGERANT SUCTION
REL. A.	RELIEF AIR	RL	REFRIGERANT LIQUID
R.A.	RETURN AIR		CONDENSATE DRAIN (PITCHED)
	COMB. FIRE/SMOKE DAMPER		BACKDRAFT DAMPER
	MANUAL BALANCING DAMPER	CHWP	CHILLED WATER PUMP
	MOTORIZED DAMPER		NOTE: NOT ALL SYMBOLS MAY BE USED ON THIS PROJECT.
	CEILING RETURN AIR DEVICE		
	SUPPLY DUCT RISER		

OWNER:



DALLAS INDEPENDENT SCHOOL DISTRICT  
9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
DALLAS TEXAS 75231

ARCHITECT:

**E. EVANS ASSOCIATES, INC.**  
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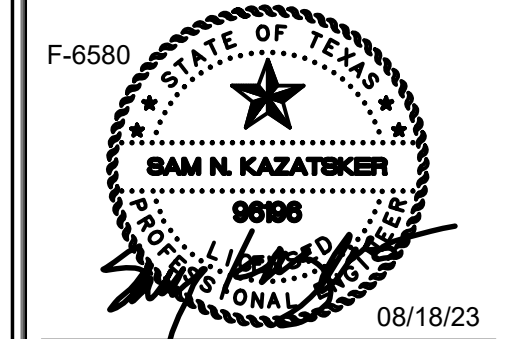


CONSULTANT:

THE ALEX GROUP, LLC  
13140 NORTH COTT ROAD, SUITE 230  
CAROLINA, TEXAS 75008  
www.alexgroup.net

**TAG**  
the alex group, llc  
Professional & Consulting Engineers  
291 E. Trinity Mills Rd. Suite 108 Tel: 972.829.6400  
Carrollton, Texas 75006 Fax: 972.829.0484

CONSULTANT SEAL:



△ Revisions	○ Issues
△ xxx/xx/xxxx	○ 2 xxx

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
ELEMENTARY SCHOOL RENOVATIONS  
1665 DUNCANVILLE ROAD - DALLAS, TX.

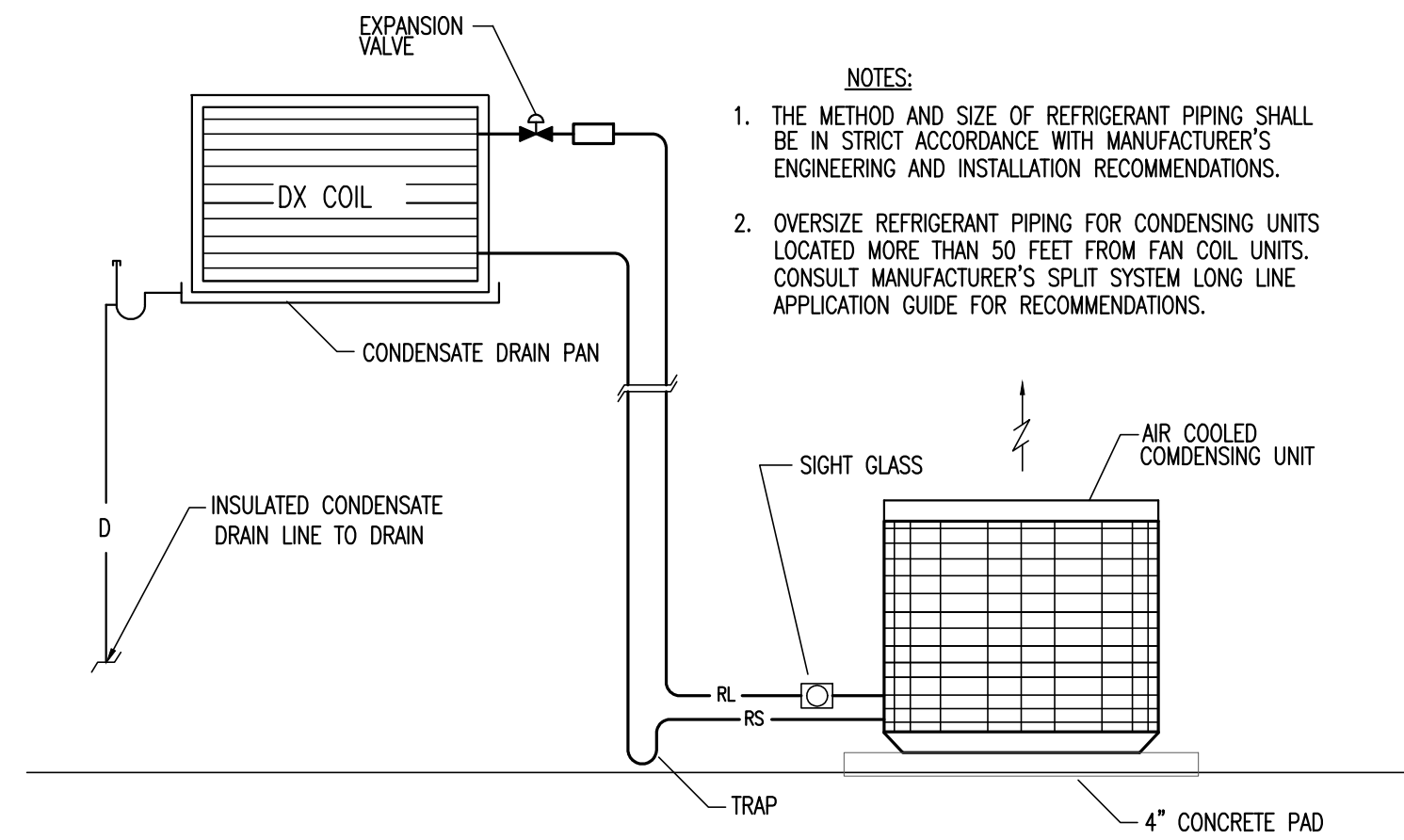


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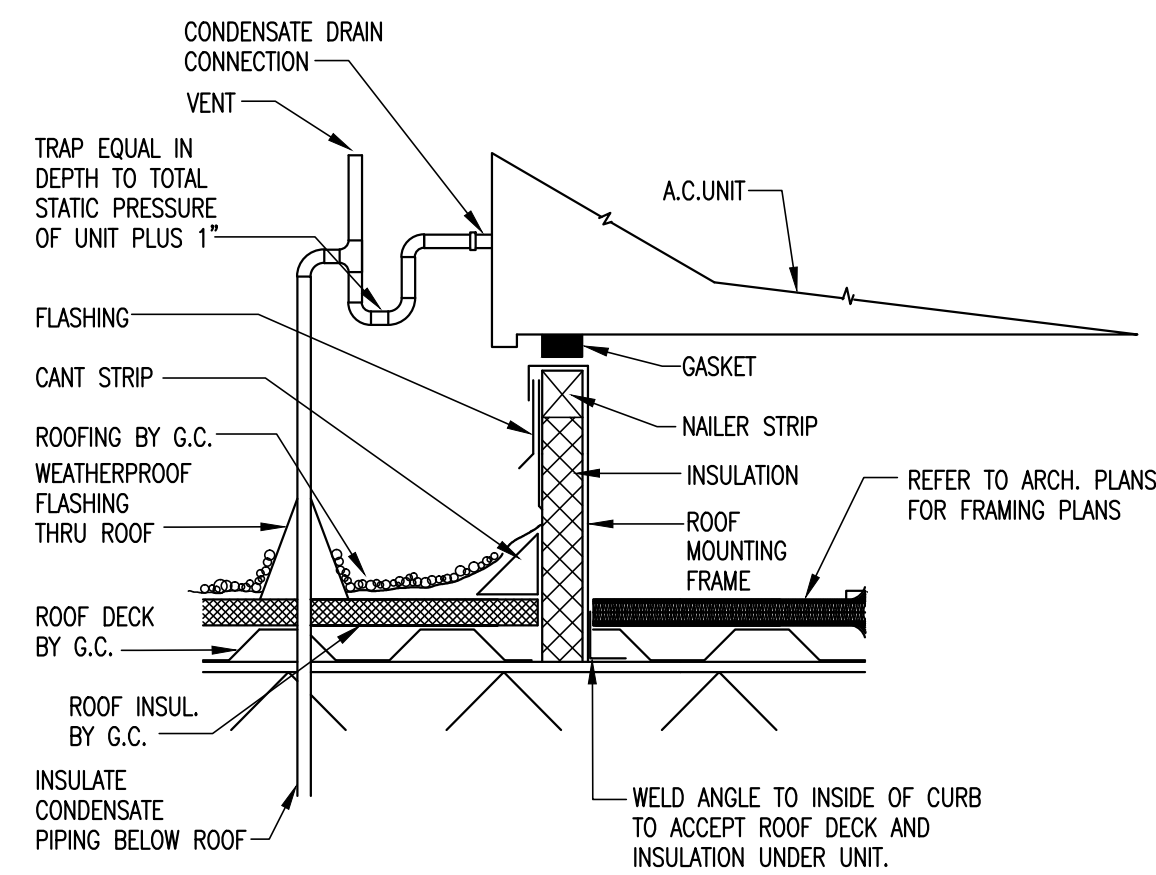
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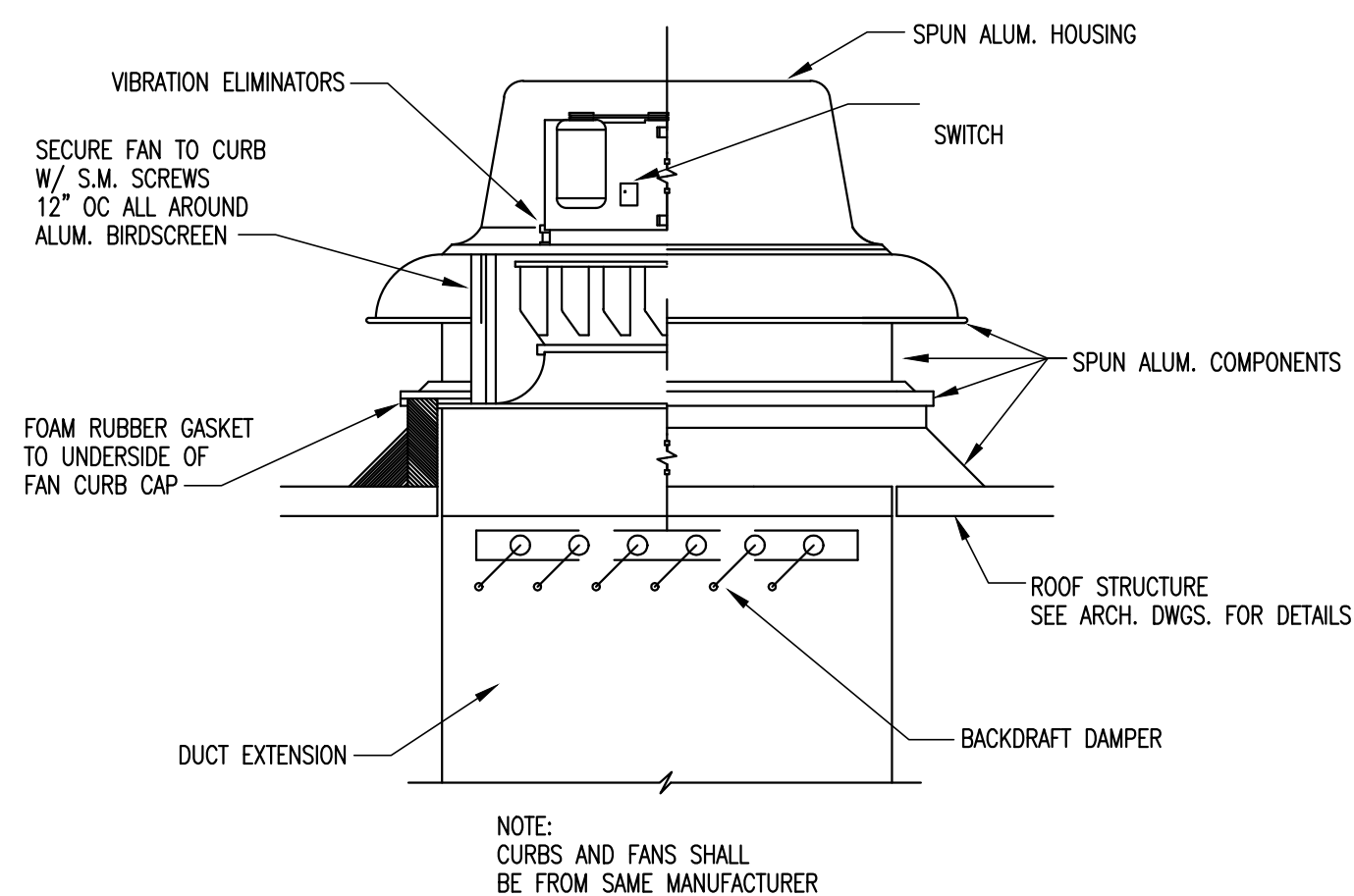
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**03 CONDENSING UNIT DIAGRAM**  
N.T.S.



**02 ROOF TOP UNIT MOUNTING DETAIL**  
N.T.S.



**01 ROOF MOUNTED CENTRIFUGAL EXHAUST FAN - DOWNBLAST**  
N.T.S.

### EXHAUST FAN SCHEDULE

DESIGNATION	TEF-A	
TOTAL CFM	70	
TOTAL S.P.	0.25	
MOTOR HP	105 WATTS	
DRIVE TYPE	DIRECT	
ELECTRICAL	120/1/60	
SONES	3.0	
MANUFACTURER AND MODEL	COOK COOK GN-160	
TYPE	CEILING FAN	
ACCESSORIES	2,4,5,6	

NOTES:  
 1. ROOF CURB  
 2. BACKDRAFT DAMPER  
 3. CONTROLLED WITH WALL MOUNTED LINE VOLT THERMOSTAT SET AT 85 °F  
 4. FACTORY MOUNTED DISCONNECT  
 5. ROOF DISCHARGE CAP  
 6. CONTROLLED WITH LIGHT SWITCH  
 7. CONTROLLED WITH TIME CLOCK  
 8. CONTROLLED WITH WALL SWITCH

### GRILLE/DIFFUSER/REGISTER SCHEDULE

MARK	DESCRIPTION	MANUFACTURER MODEL No.	MAX. NC LEVEL (1)	REMARKS
A	24"x24" FACE, CEILING SUPPLY DIFFUSER WITH BORDER FOR LAY-IN CEILING OR SURFACE MOUNTING	TITUS TMS	30	#26 WHITE FINISH
B	12"x12" FACE, CEILING SUPPLY DIFFUSER WITH BORDER FOR LAY-IN CEILING OR SURFACE MOUNTING	TITUS TMS	30	#26 WHITE FINISH
C	12"x12" EGG CRATED, CEILING RETURN GRILLE WITH BORDER FOR LAY-IN CEILING OR SURFACE MOUNTING AS REQUIRED	TITUS 50 F	30	#26 WHITE FINISH
D	24"x24" EGG CRATED, CEILING RETURN GRILLE WITH BORDER FOR LAY-IN CEILING OR SURFACE MOUNTING AS REQUIRED	TITUS 50 F	30	#26 WHITE FINISH
E	12"x12" RETURN/ EXHAUST GRILLE WITH ONE SET OF FIXED 30° DEFLECTION BLADES, 1/2" SPACING, PARALLEL TO LONG DIMENSION.	TITUS 25R	30	ALUMINUM

AIR OUTLET DESIGNATION ON PLANS  
 MARK 'A' 10x10 200 AIR FLOW (CFM) NECK SIZE (IN.)

### KITCHEN FAN SCHEDULE

TYPE	EXHAUST FAN	SUPPLY FAN	EXHAUST FAN	SUPPLY FAN	EXHAUST FAN	SUPPLY FAN	EXHAUST FAN	SUPPLY FAN
DESIGNATION	EF-11	SF-1	EF-12	SF-2	EF-13	SF-3	EF-14	SF-4
SERVES	HOOD #1	HOOD #1	HOOD #2	HOOD #2	HOOD #3	HOOD #3	HOOD #4	HOOD #4
CFM	2250	2025	2250	2025	2250	2025	2250	2025
EXT. S.P. ("WG)	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.5
MOTOR HP	1.0	0.75	1.0	0.75	1.0	0.75	1.0	0.75
FAN RPM	1643	2359	1643	2359	1643	2359	1643	2359
VOLTAGE	277/1/60	277/1/60	277/1/60	277/1/60	277/1/60	277/1/60	277/1/60	277/1/60
MANUFACTURER	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK
MODEL NUMBER	195VCR-HP	120KSP-B	195VCR-HP	120KSP-B	195VCR-HP	120KSP-B	195VCR-HP	120KSP-B
WEIGHT (lbs)	400	400	400	400	400	400	400	400
NOTES	1,3,6,7	1,2,3,4,5	1,3,6,7	1,2,3,4	1,3,6,7	1,2,3,4,9	1,3,6,7,11	1,2,3,4,12

NOTES:  
 1. FACTORY MOUNTED DISCONNECTS  
 2. PERMANENT FILTERS  
 3. 10'-0" MIN. BETWEEN EXHAUST OUTLET AND MAKE-UP INTAKE  
 4. 13" ROOF CURB TO BE PROVIDED  
 5. CONTROLLED BY HOOD SWITCH AND INTERLOCKED WITH SF-11  
 6. 18" MINIMUM HEIGHT VENTED ROOF CURB  
 7. FAN DISCHARGE SHALL BE 40" MIN. ABOVE FINISH ROOF  
 8. CONTROLLED BY WALL SWITCH AND INTERLOCKED WITH SF-2  
 9. CONTROLLED BY HOOD SWITCH AND INTERLOCKED WITH SF-3  
 10. 18" MINIMUM HEIGHT VENTED ROOF CURB  
 11. FAN DISCHARGE SHALL BE 40" MIN. ABOVE FINISH ROOF  
 12. CONTROLLED BY WALL SWITCH AND INTERLOCKED WITH SF-4

### ROOF TOP UNIT SCHEDULE

MARK	SERVES	SEER	OA	O/A CFM	SUPPLY FAN			COMPRESSOR NUMBER	COOLING				HEATING (KW)			ELECTRICAL			UNIT WT. lbs	DESIGN BASIS	MODEL	NOTES
					CFM	ESP	HP		TOTAL MBH	SENS MBH	EAT	LAT	KW	STAGES	MCA	MOC	V/PH					
SPACK-1	COMP. RM 150	14	105 F.	300	2000	0.5	1.0	1	57	46	80/67	55.0/54.8	17.4	2	32	35	460/3	1000	TRANE	TSC060E4Z	1, 2, 3, 4, 5, 6	
RTU-1	COMP. LAB 114	14	105 F.	300	2000	0.5	1.0	1	57	46	80/67	55/54.5	17.4	2	32	35	460/3	1000	TRANE	TSC060E4Z	1, 2, 3, 4, 7	
RTU-2	MOF RM 118	14	105 F.	300	2000	0.5	1.0	1	57	46	80/67	55/54.5	17.4	2	32	35	460/3	1000	TRANE	TSC060E4Z	1, 2, 3, 4, 7	
RTU-5	KITCHEN 129	11.2	105 F.	400	3000	0.5	1.5	2	86	65	80/67	55/54.5	27	2	45	50	460/3	1200	TRANE	TSC092E4Z	1, 2, 3, 4, 7	

NOTES:  
 1. FACTORY THERMOSTAT  
 2. ROOF CURBS AND CONTROLS FURNISHED AND INSTALLED BY THE OWNER.  
 3. FACTORY DISCONNECT  
 4. ECONOMIZER  
 5. GROUND MOUNTED PACKAGED DX UNIT  
 6. SPACK-1 AND CONTROLS FURNISHED AND INSTALLED BY THE OWNER.

### MECHANICAL BASIS OF DESIGN

AMBIENT TEMPERATURE AT CONDENSING UNITS: 105 DEG F (DB, SUMMER)  
 INDOOR DESIGN TEMPERATURE (SUMMER): 75 DEG F (DB), 50% (RH)  
 INDOOR DESIGN TEMPERATURE (WINTER): 72 DEG F (DB)  
 OUTDOOR DESIGN TEMPERATURE (SUMMER): 99 DEG F (DB), 74 DEG F (WB)  
 OUTDOOR DESIGN TEMPERATURE (WINTER): 22 DEG F (DB)  
 OUTSIDE AIR REQUIREMENTS: PER IMC TABLE 403.3

### MECHANICAL CODE SUMMARY

BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE (IBC) WITH CITY AMENDMENTS.  
 IECC CODE: 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) WITH CITY AMENDMENTS.  
 MECHANICAL CODE: 2018 INTERNATIONAL MECHANICAL CODE (IMC) WITH CITY AMENDMENTS

### CONDENSING UNIT SCHEDULE

MARK	SERVES	COOLING MBH	AMBIENT AIR TEMP °F	UNIT ELECTRICAL DATA			MIN EER	DESIGN BASIS	MODEL NUMBER	NOTES
				V / PH	MCA	MOC				
CU-5	(EXIST)AHU-5	90.0	105	460/3	16.9	20	11.2	TRANE	4TTA090H4	1, 2, 3, 4

NOTES:  
 1. LOW AMBIENT TEMPERATURE CONTROL KIT TO 40 deg. F.  
 2. PROVIDE METAL HEIL GUARD.  
 3. DUAL COMPRESSORS  
 4. SERVES EXISTING AHU-5 LOCATED IN SECOND FLOOR MEZZANINE MECH. RM #230

OWNER:  
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 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
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CONSULTANT SEAL:  
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 STATE OF TEXAS  
 REGISTERED PROFESSIONAL ENGINEER  
**BAM N. KAZATSKER**  
 9998  
 08/18/23

Revisions Issues  
 △ xxxxxxxx ② xxx

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**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

**BOND2020**  
 FOR OUR CHILDREN. FOR OUR COMMUNITY. FOR OUR FUTURE

SHEET NAME:  
**MECHANICAL DETAILS & SCHEDULES**

Job 1025202  
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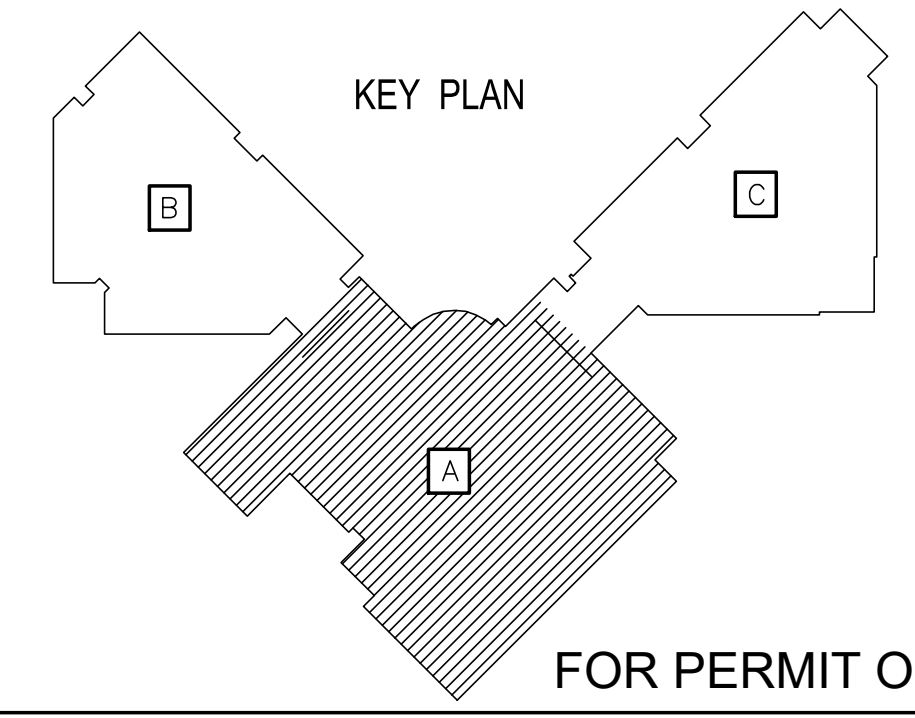
REFER TO GENERAL DEMOLITION NOTES FOR ALL REMOVED LIGHT FIXTURES, AND ELECTRICAL DEVICES IN THIS AREA. REFER TO ARCHITECTURAL DEMO PLANS.

**EXISTING SYSTEMS TO REMAIN**

- A. THE CONTRACT DOCUMENTS DO NOT PROPOSE TO SHOW ALL EXISTING SYSTEMS MATERIAL OR EQUIPMENT. OBTAIN DATA RELATED TO EXISTING FACILITIES FROM EXISTING DOCUMENTS, MEASUREMENTS, NOTATIONS, PHOTOGRAPHS, SURVEYS AND OTHER OBSERVATIONS AT THE SITE.
- B. REMOVE EXISTING WIRE, CONDUIT, EQUIPMENT, FIXTURES AND OTHER ITEMS TO PROVIDE ACCESS FOR WORK IN EXISTING FACILITIES. REINSTALL AND REFINISH ITEMS REMOVED, OR OTHERWISE DAMAGED, TO MATCH EXISTING ADJACENT SURFACES UPON COMPLETION OF THE WORK.
- C. WHERE EXISTING FUNCTIONS TO REMAIN IN USE ARE INTERRUPTED, THEY SHALL BE FULLY RESTORED AFTER DISRUPTION, IN FULL COMPLIANCE WITH THIS DIVISION OF THE SPECIFICATIONS FOR NEW WORK.
- D. MODIFY, REMOVE OR RELOCATE MATERIALS AND ITEMS INDICATED ON THE DRAWINGS OR REQUIRED BY THE INSTALLATION OF NEW FACILITIES.
- E. WORKING JOINTLY WITH THE ARCHITECT, ESTABLISH AND MARK SALVAGE AND DEMOLITION ITEMS BEFORE COMMENCING WORK; REPORT ITEMS SCHEDULED FOR RELOCATION, REINSTALLATION OR REUSE, WHICH ARE FOUND TO BE IN DAMAGED CONDITION; AWAIT FURTHER INSTRUCTIONS FROM THE ARCHITECT BEFORE COMMENCING WITH WORK.
- F. MAKE MINOR RELOCATIONS NECESSITATED BY THE CONDITIONS AT THE SITE OR AS DIRECTED BY THE ARCHITECT, WITHOUT ADDITIONAL COST TO THE OWNER. REPAIR AND RESTORE TO GOOD FUNCTIONAL CONDITION, EQUIPMENT, MATERIALS AND ITEMS SCHEDULED FOR RELOCATION, WHICH ARE DAMAGED DURING DISMANTLING OR REASSEMBLY OPERATIONS. NEW MATERIALS AND ITEMS OF SIMILAR DESIGN AND QUALITY MAY BE SUBSTITUTED FOR MATERIALS AND ITEMS INDICATED TO BE RELOCATED UPON APPROVAL OF SHOP DRAWINGS, PRODUCT DATA AND SAMPLES. REMOVE CAREFULLY, IN REVERSE ORDER TO ORIGINAL ASSEMBLY OR PLACEMENT, ITEMS WHICH ARE TO BE RELOCATED. PROTECT ITEMS UNTIL RELOCATION IS COMPLETE. CLEAN AND REPAIR ITEMS TO BE RELOCATED, AND PROVIDE NEW MATERIALS, FITTINGS AND APPURTENANCES REQUIRED TO COMPLETE THE RELOCATIONS AND TO RESTORE TO GOOD OPERATING ORDER. PERFORM THE RELOCATION WORK IN ACCORDANCE WITH APPLICABLE PORTIONS OF THESE SPECIFICATIONS, UTILIZING SKILLED WORKERS.
- H. RELOCATING DEVICES: REMOVE AND REINSTALL IN LOCATIONS DESIGNATED BY THE ARCHITECT. TEMPERATURE CONTROL SYSTEM, DEVICES, RELAYS, WIRE, CONDUIT, FIXTURES, EQUIPMENT AND OTHER DEVICES REQUIRED FOR THE OPERATION OF THE VARIOUS SYSTEMS THAT ARE INSTALLED IN EXISTING-TO-BE-REMOVED CONSTRUCTION.
- I. NORMAL FUNCTIONS OF OCCUPIED AREAS MUST CONTINUE DURING THE CONSTRUCTION PHASES. EVERY EFFORT SHALL BE MADE TO ENSURE SUCH FUNCTIONS ARE NOT DISTURBED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND REMOVAL OF TEMPORARY SYSTEMS AS REQUIRED TO MAINTAIN THE FUNCTIONS OF OCCUPIED AREAS. THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND THE OWNER FIELD REPRESENTATIVE FOR ALL THE DOWNTIME HOURS REQUIRED DURING CONSTRUCTION PRIOR TO BEGINNING WORK.

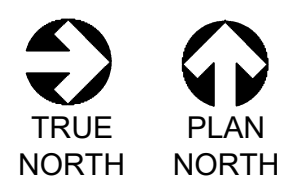
**GENERAL DEMOLITION NOTES**

- A. THE EXTENT OF DEMOLITION WORK IS INDICATED ON THE ARCHITECTURAL DRAWINGS AND THE REQUIREMENTS OF THIS SECTION. A VISIT TO THE SITE WILL BE REQUIRED TO PROPERLY BID THE DEMOLITION WORK.
- B. PROVIDE ALL DEMOLITION WORK REQUIRED FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL EQUIPMENT AND ASSOCIATED CONDUCTORS, CONDUIT, BOXES, ETC. TO PROVIDE A COMPLETE AND OPERABLE SYSTEM UPON COMPLETION OF THE PROJECT.
- C. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW THE ARCHITECTURAL DOCUMENTS IN ADDITION TO THE DIVISION 15 AND 16 DOCUMENTS TO DETERMINE THE COMPLETE SCOPE OF WORK.
- D. WHERE DEVICES OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE REMOVED, THE ASSOCIATED BOXES, CONDUIT, AND CONDUCTORS SHALL BE REMOVED BACK TO THEIR SOURCE.
- E. WHERE DEVICES OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE RELOCATED, THE ASSOCIATED BOXES, CONDUIT, AND CONDUCTORS SHALL BE REMOVED BACK TO A CONCEALED JUNCTION BOX AND NEW PRODUCTS SHALL BE USED TO EXTEND THE SERVICE TO THE NEW LOCATION.
- F. WHERE CONDUITS RUN ABOVE INACCESSIBLE CEILINGS OR IN WALLS WHICH ARE TO REMAIN UNDISTURBED, CONDUCTORS SHALL BE REMOVED AND THE CONDUITS CAPPED AND ABANDONED.
- G. WHERE THE REMOVAL OF DEVICES OR EQUIPMENT RENDERS EQUIPMENT DOWNSTREAM INOPERABLE, SERVICE SHALL BE EXTENDED TO THE DOWNSTREAM DEVICE OR EQUIPMENT SO THAT THE DEVICE OR EQUIPMENT IS LEFT IN OPERATING CONDITION.
- H. COOPERATE AND COORDINATE DEMOLITION OF DIVISION 16 SYSTEMS AS REQUIRED WITH ALL OTHER TRADES.
- I. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT AND WIRING REMOVED DURING CONSTRUCTION NO LONGER REQUIRED AS PART OF AN ACTIVE SYSTEM AND NOT TO BE REUSED SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY RETURNED TO THE OWNER.
- J. WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, EXTREME CARE SHALL BE TAKEN TO PREVENT DAMAGE DURING THE REMOVAL AND REINSTALLATION. WHERE DAMAGE OCCURS, THE EQUIPMENT SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION AND APPROVAL OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- K. EXISTING DEVICES AND/OR EQUIPMENT TO BE REUSED SHALL BE CLEANED AND REPAIRED AT THE DISCRETION OF THE ARCHITECT WHERE APPLICABLE.
- L. RETURN ANY EXCESS REUSABLE EQUIPMENT AND MATERIALS FROM NEW CONFIGURATION TO BUILDING STOCK. VERIFY ACCEPTABILITY OF MATERIALS WITH BUILDING MANAGER.
- M. ALL ELECTRICAL DEVICES, LIGHT FIXTURES, ETC SHOWN DESIGNATED WITH AN "EX" SYMBOL ARE EXISTING TO REMAIN.
- N. ELECTRICAL CONTRACTOR SHALL VERIFY ALL LIGHT FIXTURES, ELECTRICAL DEVICES, FIRE ALARM, TELEPHONE JACKS, EQUIPMENT, ETC. NOT SHOWN ON THIS SHEET PRIOR TO BIDDING. THE ELECTRICAL COMPONENTS SHOWN ARE BASED ON THE ORIGINAL DESIGN OF THE BUILDING.
- O. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY QUANTITY AND QUALITY OF ALL EXISTING LIGHT FIXTURES, ELECTRICAL DEVICES TO BE REMOVED. REFER TO ARCHITECTURAL PLANS AND DISD REQUIREMENTS. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO BID.



**LEVEL 1 PLAN - AREA "A" - ELECTRICAL DEMOLITION**

SCALE: 3/32" = 1'-0"



OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
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CONSULTANT SEAL:  
 F-6580  
 STATE OF TEXAS  
 ALEX N. COLETT  
 08/18/23

Revisions	Issues
xx/xx/xxxx	xxx

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 OUR COURAGE. OUR COMMITMENT. OUR FUTURE.

SHEET NAME:  
**LEVEL 1 PLAN - AREA "A" - ELECTRICAL DEMOLITION**

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 Date 11-18-2022  
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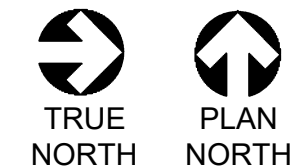
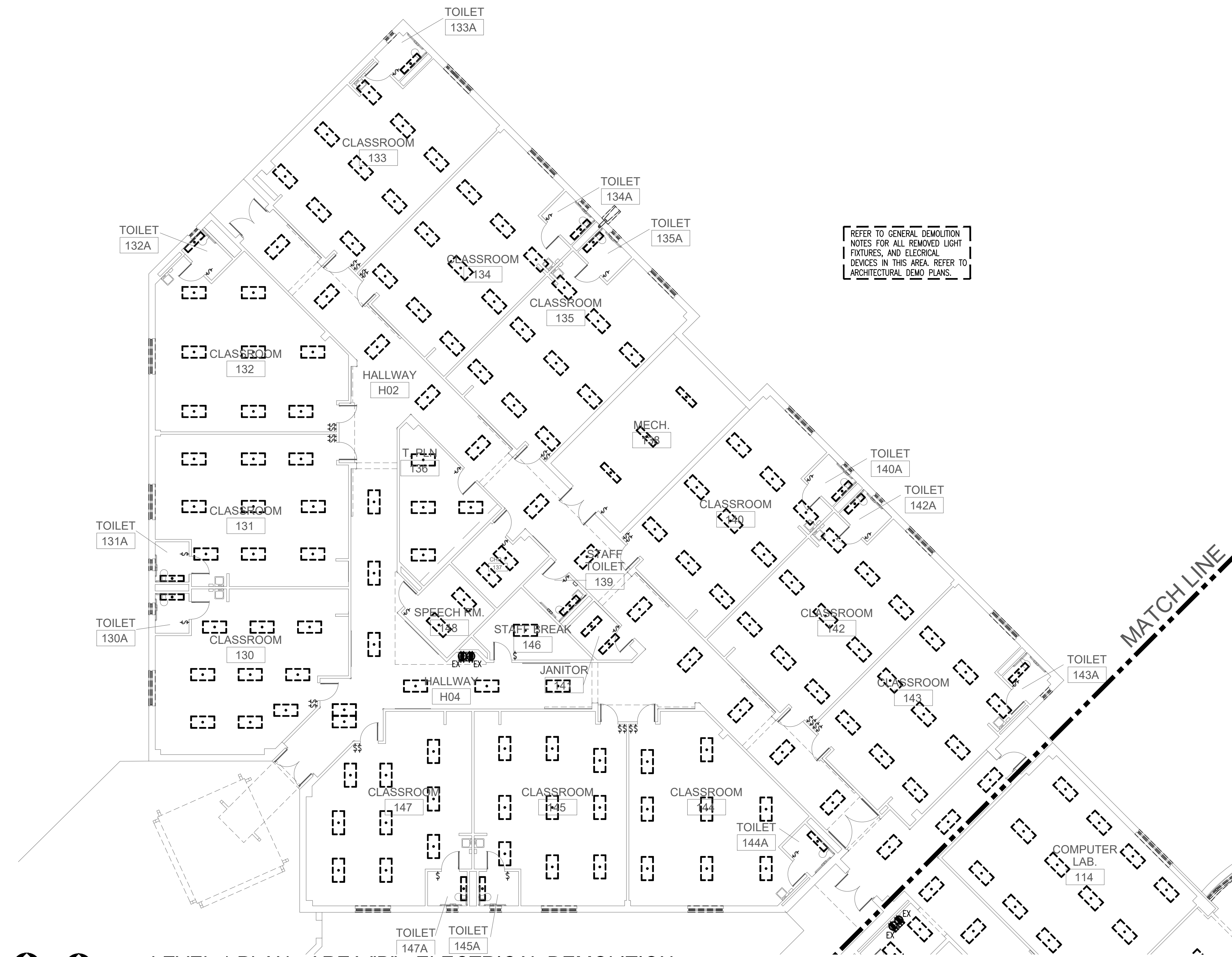
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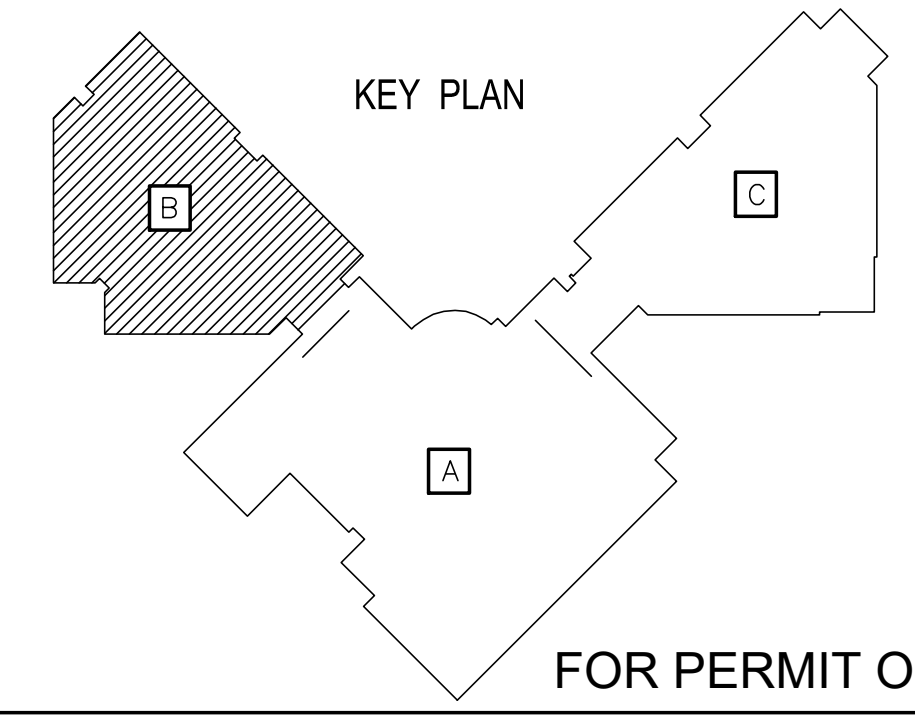
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- B. REMOVE EXISTING WIRE, CONDUIT, EQUIPMENT, FIXTURES AND OTHER ITEMS TO PROVIDE ACCESS FOR WORK IN EXISTING FACILITIES. REINSTALL AND REFINISH ITEMS REMOVED, OR OTHERWISE DAMAGED, TO MATCH EXISTING ADJACENT SURFACES UPON COMPLETION OF THE WORK.
- C. WHERE EXISTING FUNCTIONS TO REMAIN IN USE ARE DISRUPTED, THEY SHALL BE FULLY RESTORED AFTER DISRUPTION, IN FULL COMPLIANCE WITH THIS DIVISION OF THE SPECIFICATIONS FOR NEW WORK.
- D. MODIFY, REMOVE OR RELOCATE MATERIALS AND ITEMS INDICATED ON THE DRAWINGS OR REQUIRED BY THE INSTALLATION OF NEW FACILITIES.
- E. WORKING JOINTLY WITH THE ARCHITECT, ESTABLISH AND MARK SALVAGE AND DEMOLITION ITEMS BEFORE COMMENCING WORK; REPORT ITEMS SCHEDULED FOR RELOCATION, REINSTALLATION OR REUSE, WHICH ARE FOUND TO BE IN DAMAGED CONDITION; AWAIT FURTHER INSTRUCTIONS FROM THE ARCHITECT BEFORE COMMENCING WITH WORK.
- F. MAKE MINOR RELOCATIONS NECESSITATED BY THE CONDITIONS AT THE SITE OR AS DIRECTED BY THE ARCHITECT, WITHOUT ADDITIONAL COST TO THE OWNER. REPAIR AND RESTORE TO GOOD FUNCTIONAL CONDITION, EQUIPMENT, MATERIALS AND ITEMS SCHEDULED FOR RELOCATION, WHICH ARE DAMAGED DURING DISMANTLING OR REASSEMBLY OPERATIONS. NEW MATERIALS AND ITEMS OF SIMILAR DESIGN AND QUALITY MAY BE SUBSTITUTED FOR MATERIALS AND ITEMS INDICATED TO BE RELOCATED UPON APPROVAL OF SHOP DRAWINGS, PRODUCT DATA AND SAMPLES. REMOVE CAREFULLY, IN REVERSE ORDER TO ORIGINAL ASSEMBLY OR PLACEMENT. ITEMS WHICH ARE TO BE RELOCATED, PROTECT ITEMS UNTIL RELOCATION IS COMPLETE. CLEAN AND REPAIR ITEMS TO BE RELOCATED, AND PROVIDE NEW MATERIALS, FITTINGS AND APPURTENANCES REQUIRED TO COMPLETE THE RELOCATIONS AND TO RESTORE TO GOOD OPERATING ORDER. PERFORM THE RELOCATION WORK IN ACCORDANCE WITH APPLICABLE PORTIONS OF THESE SPECIFICATIONS, UTILIZING SKILLED WORKERS.
- H. RELOCATING DEVICES: REMOVE AND REINSTALL IN LOCATIONS DESIGNATED BY THE ARCHITECT. TEMPERATURE CONTROL SYSTEM, DEVICES, RELAYS, WIRE, CONDUIT, FIXTURES, EQUIPMENT AND OTHER DEVICES REQUIRED FOR THE OPERATION OF THE VARIOUS SYSTEMS THAT ARE INSTALLED IN EXISTING-TO-BE-REMOVED CONSTRUCTION.
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**LEVEL 1 PLAN - AREA "B" - ELECTRICAL DEMOLITION**

SCALE: 3/32" = 1'-0"



FOR PERMIT ONLY

OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
 ARCHITECTURE-ENGINEERING-CONSTRUCTION-INSPECTIONS  
 13140 NORTH COTT ROAD - SUITE 230  
 DALLAS, TEXAS 75244  
 PH: (214) 340-4440 FAX: (214) 340-0205

CONSULTANT:  
 THE ALEX GROUP, LLC  
 13140 NORTH COTT ROAD - SUITE 230  
**TAG**  
 the alex group, llc  
 Professional & Consulting Engineers  
 291 E. Harry Hines Rd. Suite 108 Tel: 972.820.6400  
 Carrollton, Texas 75006 Fax: 972.820.6404  
 www.thealexgroup.net

CONSULTANT SEAL:  
 F-6580  
 STATE OF TEXAS  
 ALEX N. GUILLET  
 08/18/23  
 Revisions Issues  
 xx/xx/xxxx 2 xxx

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.



SHEET NAME:  
**LEVEL 1 PLAN - AREA "B" - ELECTRICAL DEMOLITION**  
 Job 1025202  
 Date 11-18-2022  
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 PRF  
 Sheet **ED1.02**  
 Of SHEETS

**GENERAL DEMOLITION NOTES**

- A. THE EXTENT OF DEMOLITION WORK IS INDICATED ON THE ARCHITECTURAL DRAWINGS AND BY THE REQUIREMENTS OF THIS SECTION. A VISIT TO THE SITE WILL BE REQUIRED TO PROPERLY BID THE DEMOLITION WORK.
- B. PROVIDE ALL DEMOLITION WORK REQUIRED FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL EQUIPMENT AND ASSOCIATED CONDUCTORS, CONDUIT, BOXES, ETC. TO PROVIDE A COMPLETE AND OPERABLE SYSTEM UPON COMPLETION OF THE PROJECT.
- C. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW THE ARCHITECTURAL DOCUMENTS IN ADDITION TO THE DIVISION 15 AND 16 DOCUMENTS TO DETERMINE THE COMPLETE SCOPE OF WORK.
- D. WHERE DEVICES OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE REMOVED, THE ASSOCIATED BOXES, CONDUIT, AND CONDUCTORS SHALL BE REMOVED BACK TO THEIR SOURCE.
- E. WHERE DEVICES OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE RELOCATED, THE ASSOCIATED BOXES, CONDUIT, AND CONDUCTORS SHALL BE REMOVED BACK TO A CONCEALED JUNCTION BOX AND NEW PRODUCTS SHALL BE USED TO EXTEND THE SERVICE TO THE NEW LOCATION.
- F. WHERE CONDUITS RUN ABOVE INACCESSIBLE CEILING OR IN WALLS WHICH ARE TO REMAIN UNDISTURBED, CONDUCTORS SHALL BE REMOVED AND THE CONDUITS CAPPED AND ABANDONED.
- G. WHERE THE REMOVAL OF DEVICES OR EQUIPMENT RENDERS EQUIPMENT DOWNSTREAM INOPERABLE, SERVICE SHALL BE EXTENDED TO THE DOWNSTREAM DEVICE OR EQUIPMENT SO THAT THE DEVICE OR EQUIPMENT IS LEFT IN OPERATING CONDITION.
- H. COOPERATE AND COORDINATE DEMOLITION OF DIVISION 16 SYSTEMS AS REQUIRED WITH ALL OTHER TRADES.
- I. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT AND WIRING REMOVED DURING CONSTRUCTION NO LONGER REQUIRED AS PART OF AN ACTIVE SYSTEM AND NOT TO BE REUSED SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY RETURNED TO THE OWNER.
- J. WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, EXTREME CARE SHALL BE TAKEN TO PREVENT DAMAGE DURING THE REMOVAL AND REINSTALLATION. WHERE DAMAGE OCCURS, THE EQUIPMENT SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION AND APPROVAL OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- K. EXISTING DEVICES AND/OR EQUIPMENT TO BE REUSED SHALL BE CLEANED AND REPAIRED AT THE DISCRETION OF THE ARCHITECT WHERE APPLICABLE.
- L. RETURN ANY EXCESS REUSABLE EQUIPMENT AND MATERIALS FROM NEW CONFIGURATION TO BUILDING STOCK. VERIFY ACCEPTABILITY OF MATERIALS WITH BUILDING MANAGER.
- M. ALL ELECTRICAL DEVICES, LIGHT FIXTURES, ETC SHOWN DESIGNATED WITH AN "EX" SYMBOL ARE EXISTING TO REMAIN.
- N. ELECTRICAL CONTRACTOR SHALL VERIFY ALL LIGHT FIXTURES, ELECTRICAL DEVICES, FIRE ALARM, TELEPHONE JACKS, EQUIPMENT, ETC. NOT SHOWN ON THIS SHEET PRIOR TO BIDDING. THE ELECTRICAL COMPONENTS SHOWN ARE BASED ON THE ORIGINAL DESIGN OF THE BUILDING.
- O. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY QUANTITY AND QUALITY OF ALL EXISTING LIGHT FIXTURES, ELECTRICAL DEVICES TO BE REMOVED. REFER TO ARCHITECTURAL PLANS AND DISD REQUIREMENTS. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO BID.

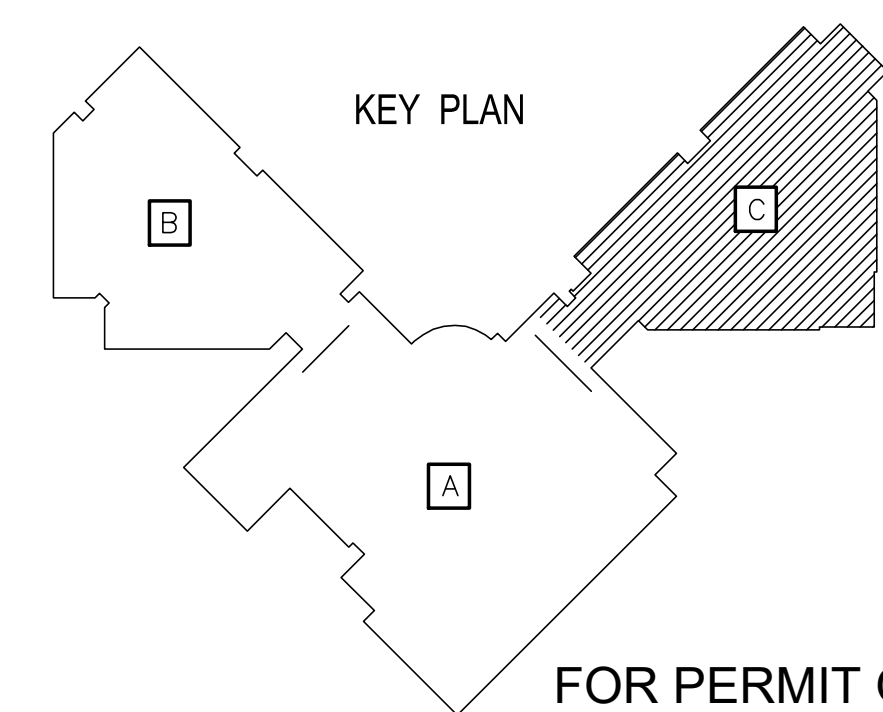
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**LEVEL 1 PLAN - AREA "C" - ELECTRICAL DEMOLITION**

SCALE: 3/32" = 1'-0"



FOR PERMIT ONLY

OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
 ARCHITECTURE-ENGINEERING-CONSTRUCTION-INSPECTION  
 13140 NORTH COTT ROAD - SUITE 230  
 DALLAS, TEXAS 75244  
 PH: (214) 340-4440 FAX: (214) 340-0205

CONSULTANT:  
 THE ALEX GROUP, LLC  
 2701 E. HINNEY MILL RD. SUITE 108 FORT WORTH, TEXAS 76106  
**TAG**  
 the alex group, llc  
 Professional & Consulting Engineers  
 2701 E. Hinney Mill Rd. Suite 108 Fort Worth, Texas 76106  
 www.thealexgroup.net

CONSULTANT SEAL:  
 F-6580  
 STATE OF TEXAS  
 ALEX GOLLET  
 08/18/23

Revisions	Issues
△ xx/xx/xxxx	② xxx

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

SHEET NAME:  
**LEVEL 1 PLAN - AREA "C" - ELECTRICAL DEMOLITION**

Job 1025202  
 Date 11-18-2022  
 Drawn  
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 Sheet **ED1.03**  
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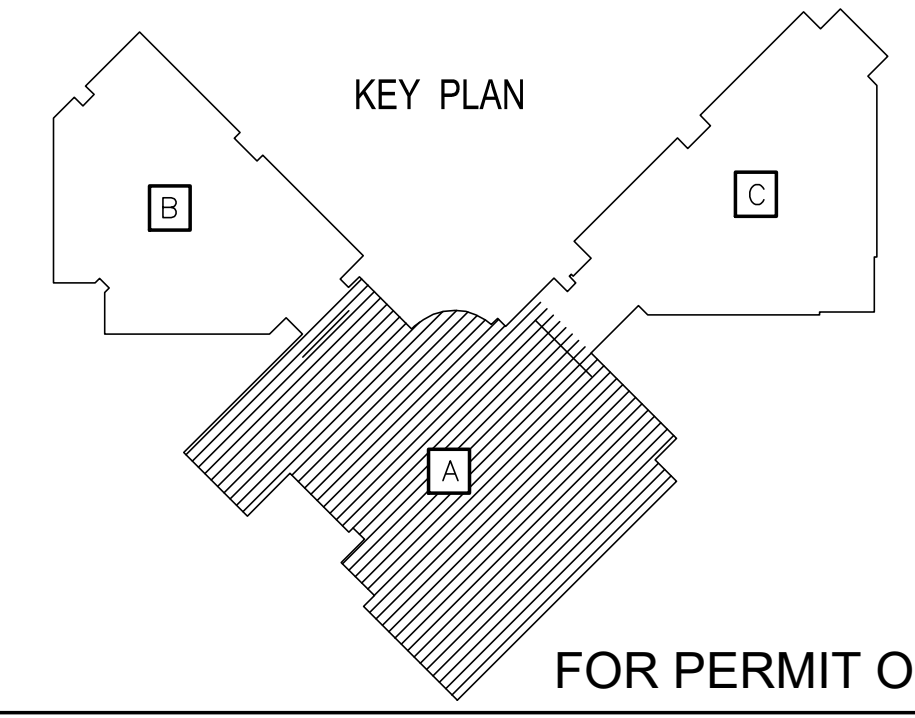
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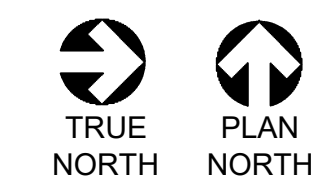
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REFER TO GENERAL DEMOLITION NOTES FOR ALL REMOVED LIGHT FIXTURES, AND ELECTRICAL DEVICES IN THIS AREA. REFER TO ARCHITECTURAL DEMO PLANS.



**LEVEL 2 PLAN - AREA "A" - ELECTRICAL DEMOLITION**  
SCALE: 3/32" = 1'-0"



OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 DALLAS INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
 ARCHITECTURE-ENGINEERING-CONSTRUCTION-INSPECTION  
 13140 NORTH COTT ROAD - SUITE 230  
 CAROLINA, TEXAS 75006  
 PH: (214) 340-4440 FAX: (214) 340-0205

CONSULTANT:  
 THE ALEX GROUP, LLC  
 13140 NORTH COTT ROAD, SUITE 230  
**TAG**  
 the alex group, llc  
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 2701 E. Trinity Mills Rd. Suite 108 Tel: 972.820.6400  
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CONSULTANT SEAL:  
 F-6580  
  
 Revisions: 

△	xx/xx/xxxx	②	xxx
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 Issues: 

○	xxx
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DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

OUR CHALLENGE. OUR COMMITMENT. OUR FUTURE.

SHEET NAME:  
**LEVEL 2 PLAN - AREA "A" - ELECTRICAL DEMOLITION**

Job 1025202  
 Date 11-18-2022  
 Drawn  
 Check  
 PRF  
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 Of SHEETS

FOR PERMIT ONLY

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- D. MODIFY, REMOVE OR RELOCATE MATERIALS AND ITEMS INDICATED ON THE DRAWINGS OR REQUIRED BY THE INSTALLATION OF NEW FACILITIES.
- E. WORKING JOINTLY WITH THE ARCHITECT, ESTABLISH AND MARK SALVAGE AND DEMOLITION ITEMS BEFORE COMMENCING WORK; REPORT ITEMS SCHEDULED FOR RELOCATION, REINSTALLATION OR REUSE, WHICH ARE FOUND TO BE IN DAMAGED CONDITION; AWAIT FURTHER INSTRUCTIONS FROM THE ARCHITECT BEFORE COMMENCING WITH WORK.
- F. MAKE MINOR RELOCATIONS NECESSITATED BY THE CONDITIONS AT THE SITE OR AS DIRECTED BY THE ARCHITECT, WITHOUT ADDITIONAL COST TO THE OWNER. REPAIR AND RESTORE TO GOOD FUNCTIONAL CONDITION, EQUIPMENT, MATERIALS AND ITEMS SCHEDULED FOR RELOCATION, WHICH ARE DAMAGED DURING DISMANTLING OR REASSEMBLY OPERATIONS. NEW MATERIALS AND ITEMS OF SIMILAR DESIGN AND QUALITY MAY BE SUBSTITUTED FOR MATERIALS AND ITEMS INDICATED TO BE RELOCATED UPON APPROVAL OF SHOP DRAWINGS, PRODUCT DATA AND SAMPLES. REMOVE CAREFULLY, IN REVERSE ORDER TO ORIGINAL ASSEMBLY OR PLACEMENT, ITEMS WHICH ARE TO BE RELOCATED. PROTECT ITEMS UNTIL RELOCATION IS COMPLETE. CLEAN AND REPAIR ITEMS TO BE RELOCATED, AND PROVIDE NEW MATERIALS, FITTINGS AND APPURTENANCES REQUIRED TO COMPLETE THE RELOCATIONS AND TO RESTORE TO GOOD OPERATING ORDER. PERFORM THE RELOCATION WORK IN ACCORDANCE WITH APPLICABLE PORTIONS OF THESE SPECIFICATIONS, UTILIZING SKILLED WORKERS.
- H. RELOCATING DEVICES: REMOVE AND REINSTALL IN LOCATIONS DESIGNATED BY THE ARCHITECT, TEMPERATURE CONTROL SYSTEM, DEVICES, RELAYS, WIRE, CONDUIT, FIXTURES, EQUIPMENT AND OTHER DEVICES REQUIRED FOR THE OPERATION OF THE VARIOUS SYSTEMS THAT ARE INSTALLED IN EXISTING-TO-BE-REMOVED CONSTRUCTION.
- I. NORMAL FUNCTIONS OF OCCUPIED AREAS MUST CONTINUE DURING THE CONSTRUCTION PHASES. EVERY EFFORT SHALL BE MADE TO ENSURE SUCH FUNCTIONS ARE NOT DISTURBED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND REMOVAL OF TEMPORARY SYSTEMS AS REQUIRED TO MAINTAIN THE FUNCTIONS OF OCCUPIED AREAS. THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND THE OWNER FIELD REPRESENTATIVE FOR ALL THE DOWNTIME HOURS REQUIRED DURING CONSTRUCTION PRIOR TO BEGINNING WORK.

MATCHLINE

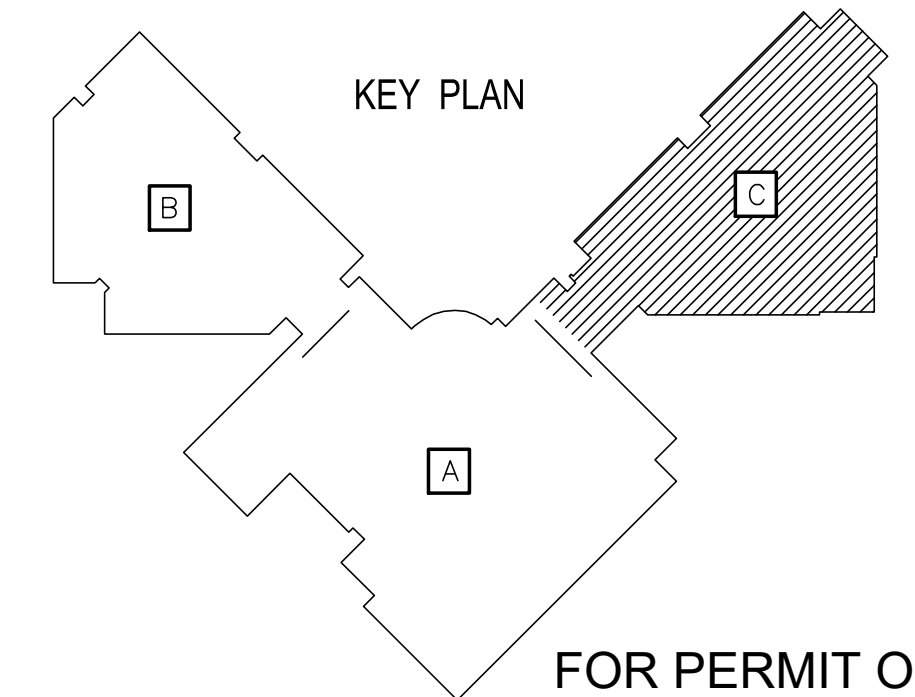


REFER TO GENERAL DEMOLITION NOTES FOR ALL REMOVED LIGHT FIXTURES, AND ELECTRICAL DEVICES IN THIS AREA. REFER TO ARCHITECTURAL DEMO PLANS.



**LEVEL 2 PLAN - AREA "C" - ELECTRICAL DEMOLITION**

SCALE: 3/32" = 1'-0"



FOR PERMIT ONLY

OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
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**TAG**  
 the alex group, llc  
 Professional & Consulting Engineers

CONSULTANT SEAL:  
 F-6580  
 STATE OF TEXAS  
 ALEX GOLLET  
 08/18/23

Revisions	Issues
xx/xx/xxxx	(2) xxx

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

**BOND2020**  
 OUR CHILDREN. OUR COMMUNITY. OUR FUTURE.

SHEET NAME:  
**LEVEL 2 PLAN - AREA "C" - ELECTRICAL DEMOLITION**

Job 1025202  
 Date 11-18-2022  
 Drawn  
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 PRF  
 Sheet **ED1.05**  
 Of SHEETS



**GENERAL NOTES**

- A. REFER TO ARCHITECTURAL REFLECTED CEILING AND ELEVATION PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL LIGHT FIXTURES.
- B. ELECTRICAL CONTRACTOR TO REFER TO MANUFACTURER DRAWINGS OF ALL EQUIPMENT FOR EXACT LOCATION AND FOR THE PROVIDING AND INSTALLATION OF ALL DEVICES, RACEWAYS, WALL BOXES AND WIRING NOT SHOWN ON THIS DRAWING. VERIFY ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN.
- C. REFER TO STRUCTURAL DRAWINGS FOR CONDUIT RUNS UP IN JOIST AND SUSPENDING REQUIREMENTS.
- D. VERIFY EXACT LOCATION AND MOUNTING HEIGHT OF ALL TOGGLE/PILOT SWITCHES WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
- E. ELECTRICAL CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES INVOLVED IN THE CEILING WORK TO INSURE CLEARANCES FOR LIGHT FIXTURES, ETC. NECESSARY TO MAINTAIN THE FINISHED CEILING HEIGHTS INDICATED ON ARCHITECTURAL DRAWING. ELECTRICAL CONTRACTOR TO NOTIFY ARCHITECT OF ANY CONFLICT OF LIGHT FIXTURE LOCATIONS WITH MAIN RUNNERS, DUCTS, ETC. PRIOR TO INSTALLATION.
- F. ALL LIGHT FIXTURES THAT ARE EXISTING TO BE RETROFITTED WITH LED BULBS OF LUMEN OUTPUT TO PROVIDE THE EXISTING LIGHT LEVEL REQUIRED IN EACH AREA. VERIFY WITH LIGHT FIXTURE MANUFACTURER AND COORDINATE WITH OWNER AND ARCHITECT PRIOR TO ORDER.
- G. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXISTING EXTERIOR LIGHTS QUANTITY AND LOCATION PRIOR TO BID. CONNECT AND WIRE AS EXISTING. PROVIDE NEW EXTERIOR LIGHTING CONTROL(S) TO BE LOCATED NEAR EXISTING PANEL FEEDING THE EXTERIOR LIGHTS. EXTERIOR LIGHTS SHALL BE CONTROLLED PHOTOCELL "ON" / TIMECLOCK "OFF".
- H. FIRE ALARM SYSTEM SHOWN IS FOR REFERENCE ONLY. ELECTRICAL CONTRACTOR SHALL PROVIDE FIRE ALARM PLANS AND CALCULATIONS PER LATEST CODES TO THE LOCAL AUTHORITIES HAVING JURISDICTION IN ORDER TO OBTAIN APPROVAL PRIOR TO ANY INSTALLATION.

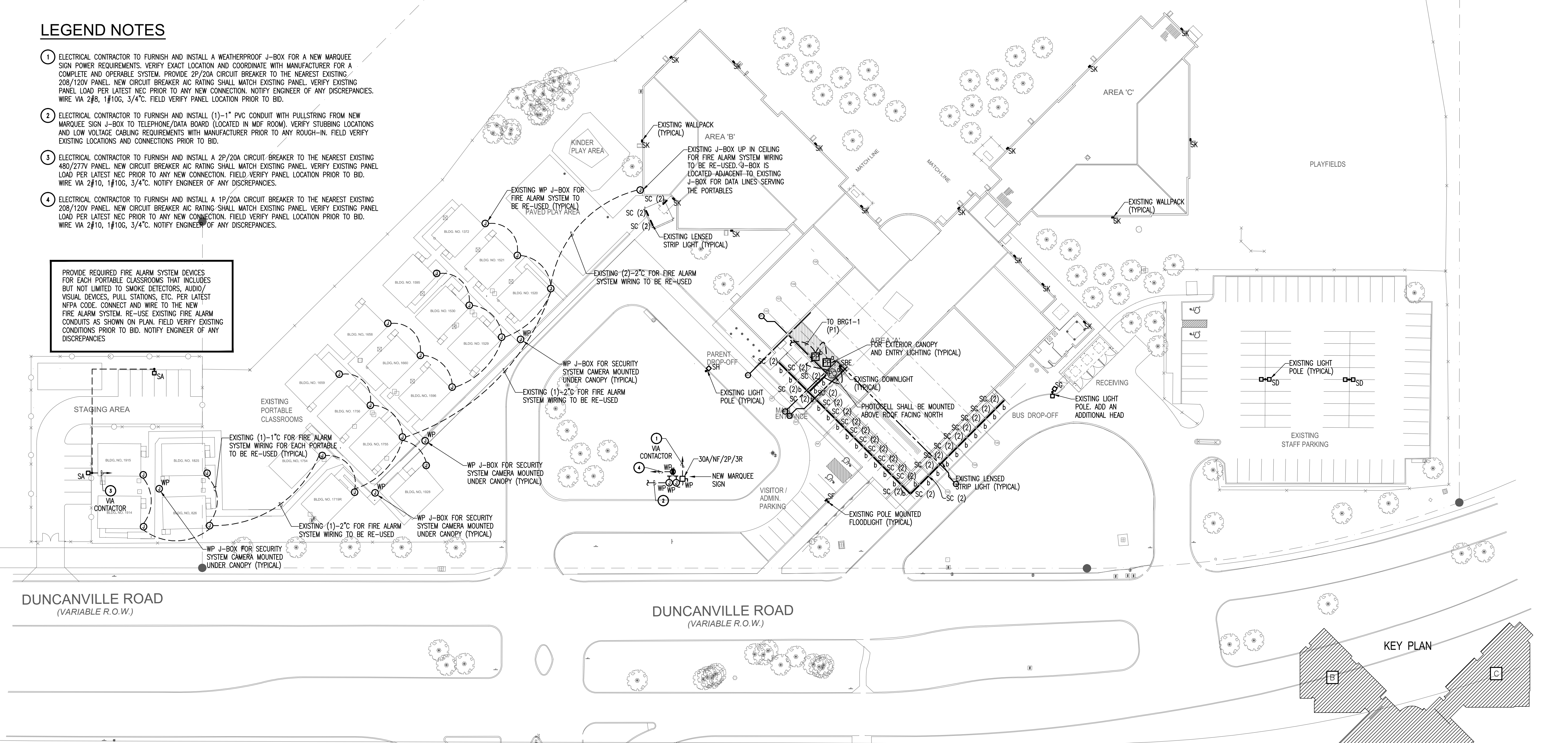
**LEGEND NOTES**

- ① ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL A WEATHERPROOF J-BOX FOR A NEW MARQUEE SIGN POWER REQUIREMENTS. VERIFY EXACT LOCATION AND COORDINATE WITH MANUFACTURER FOR A COMPLETE AND OPERABLE SYSTEM. PROVIDE 2P/20A CIRCUIT BREAKER TO THE NEAREST EXISTING 208/120V PANEL. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING PANEL. VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ANY NEW CONNECTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. WIRE VIA 2#8, 1#10G, 3/4" C. FIELD VERIFY PANEL LOCATION PRIOR TO BID.
- ② ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL (1)-1" PVC CONDUIT WITH PULLSTRING FROM NEW MARQUEE SIGN J-BOX TO TELEPHONE/DATA BOARD (LOCATED IN MDF ROOM). VERIFY STUBBING LOCATIONS AND LOW VOLTAGE CABLING REQUIREMENTS WITH MANUFACTURER PRIOR TO ANY ROUGH-IN. FIELD VERIFY EXISTING LOCATIONS AND CONNECTIONS PRIOR TO BID.
- ③ ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL A 2P/20A CIRCUIT BREAKER TO THE NEAREST EXISTING 480/277V PANEL. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING PANEL. VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ANY NEW CONNECTION. FIELD VERIFY PANEL LOCATION PRIOR TO BID. WIRE VIA 2#10, 1#10G, 3/4". NOTIFY ENGINEER OF ANY DISCREPANCIES.
- ④ ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL A 1P/20A CIRCUIT BREAKER TO THE NEAREST EXISTING 208/120V PANEL. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING PANEL. VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ANY NEW CONNECTION. FIELD VERIFY PANEL LOCATION PRIOR TO BID. WIRE VIA 2#10, 1#10G, 3/4". NOTIFY ENGINEER OF ANY DISCREPANCIES.

PROVIDE REQUIRED FIRE ALARM SYSTEM DEVICES FOR EACH PORTABLE CLASSROOMS THAT INCLUDES BUT NOT LIMITED TO SMOKE DETECTORS, AUDIO/VISUAL DEVICES, PULL STATIONS, ETC. PER LATEST NFPA CODE. CONNECT AND WIRE TO THE NEW FIRE ALARM SYSTEM. RE-USE EXISTING FIRE ALARM CONDUITS AS SHOWN ON PLAN. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID. NOTIFY ENGINEER OF ANY DISCREPANCIES

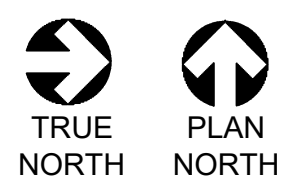
TYPE	DESCRIPTION
SA	DESCRIPTION: ARCHITECTURAL ARM-MOUNTED LED LUMINAIRE WITH TYPE 3 MEDIUM OPTIC, HOUSE SIDE SHIELD LAMPS: 1-92W LED / 480V VOLTAGE: 480V INSTALLATION: POLE (VERIFY COLOR FINISH WITH ARCHITECT) MANUFACTURER: LITHONIA #DSX0-LED-P4-40K-T3M-MVOLT-SPA-DDBXD-LPI W/SS-20-5G-DM19AS-DOB SUBSTITUTIONS: OR APPROVED EQUAL
SBE	DESCRIPTION: 6" LED DOWNLIGHT RATED FOR WET LOCATION WITH EMERGENCY BATTERY PACK LAMPS: 1-22.5W LED / 120/277V VOLTAGE: RECESSED INSTALLATION: LITHONIA #LDN6-35/29-106-AR-LD-MVOLT-EZ10 MANUFACTURER: OR APPROVED EQUAL
SC (2)	DESCRIPTION: 2-4" LED STRIP LIGHT RATED FOR WET LOCATION LAMPS: 2-48W LED / 120/277V VOLTAGE: SURFACE INSTALLATION: ECOSENSE #L50E-48-06-40-80-MULT-LOL (PROVIDE ALL ACCESSORIES REQUIRED) MANUFACTURER: OR APPROVED EQUAL
SD	DESCRIPTION: ARCHITECTURAL ARM-MOUNTED LED LUMINAIRE WITH TYPE 3 MEDIUM OPTIC LAMPS: 2-125W LED / 480V VOLTAGE: POLE (EXISTING POLE TO REMAIN) INSTALLATION: LITHONIA #DSX1-LED-P4-40K-T3M-MVOLT-SPA-DDBXD-LPI MANUFACTURER: OR APPROVED EQUAL

TYPE	DESCRIPTION
SF	DESCRIPTION: ARCHITECTURAL ARM-MOUNTED LED LUMINAIRE WITH TYPE FORWARD THROW MEDIUM OPTIC LAMPS: 1-125W LED / 480V VOLTAGE: POLE (EXISTING TO REMAIN) INSTALLATION: LITHONIA #DSX1-LED-P4-40K-TFTM-MVOLT-SPA-DDBXD-LPI MANUFACTURER: OR APPROVED EQUAL
SG	DESCRIPTION: ARCHITECTURAL ARM-MOUNTED LED LUMINAIRE WITH TYPE FORWARD THROW MEDIUM OPTIC LAMPS: 2-125W LED / 480V VOLTAGE: POLE (EXISTING TO REMAIN)(ADDITIONAL LIGHT TO BE AT DM19AS) INSTALLATION: LITHONIA #DSX1-LED-P4-40K-TFTM-MVOLT-SPA-DDBXD-LPI MANUFACTURER: OR APPROVED EQUAL
SH	DESCRIPTION: ARCHITECTURAL ARM-MOUNTED LED LUMINAIRE WITH TYPE 3 MEDIUM OPTIC LAMPS: 1-163W LED / 480V VOLTAGE: POLE (EXISTING TO REMAIN) INSTALLATION: LITHONIA #DSX1-LED-P6-40K-T3M-MVOLT-SPA-DDBXD-LPI MANUFACTURER: OR APPROVED EQUAL
SK	DESCRIPTION: DECORATIVE LED WALL PACK LAMPS: 1-14.5W LED / 277V VOLTAGE: WALL (EXISTING LOCATION TO REMAIN) INSTALLATION: LITHONIA #WGE2-LED-P2-40K-80CRI-VW-MVOLT-SRM-DOBXD MANUFACTURER: OR APPROVED EQUAL



**SITE PLAN - ELECTRICAL**

SCALE: 1" = 30'-0"



FOR PERMIT ONLY

OWNER:

DALLAS INDEPENDENT SCHOOL DISTRICT  
9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
DALLAS TEXAS 75231

ARCHITECT:

E. EVANS ASSOCIATES, INC.  
ARCHITECTURE-ENGINEERING-CONSTRUCTION-INSPECTION  
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DALLAS, TEXAS 75244  
PH: (214) 340-4440  
FAX: (214) 340-0205

CONSULTANT SEAL:

Revisions
Issues

△ XXX/XXX/XXX
② XXX

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
ELEMENTARY SCHOOL RENOVATIONS  
1665 DUNCANVILLE ROAD - DALLAS, TX.

SINCE 1888. OUR COMMITMENT. OUR FUTURE.

SHEET NAME:

**SITE PLAN - ELECTRICAL**

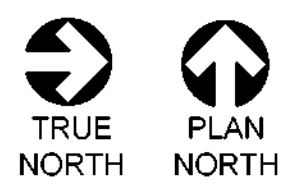
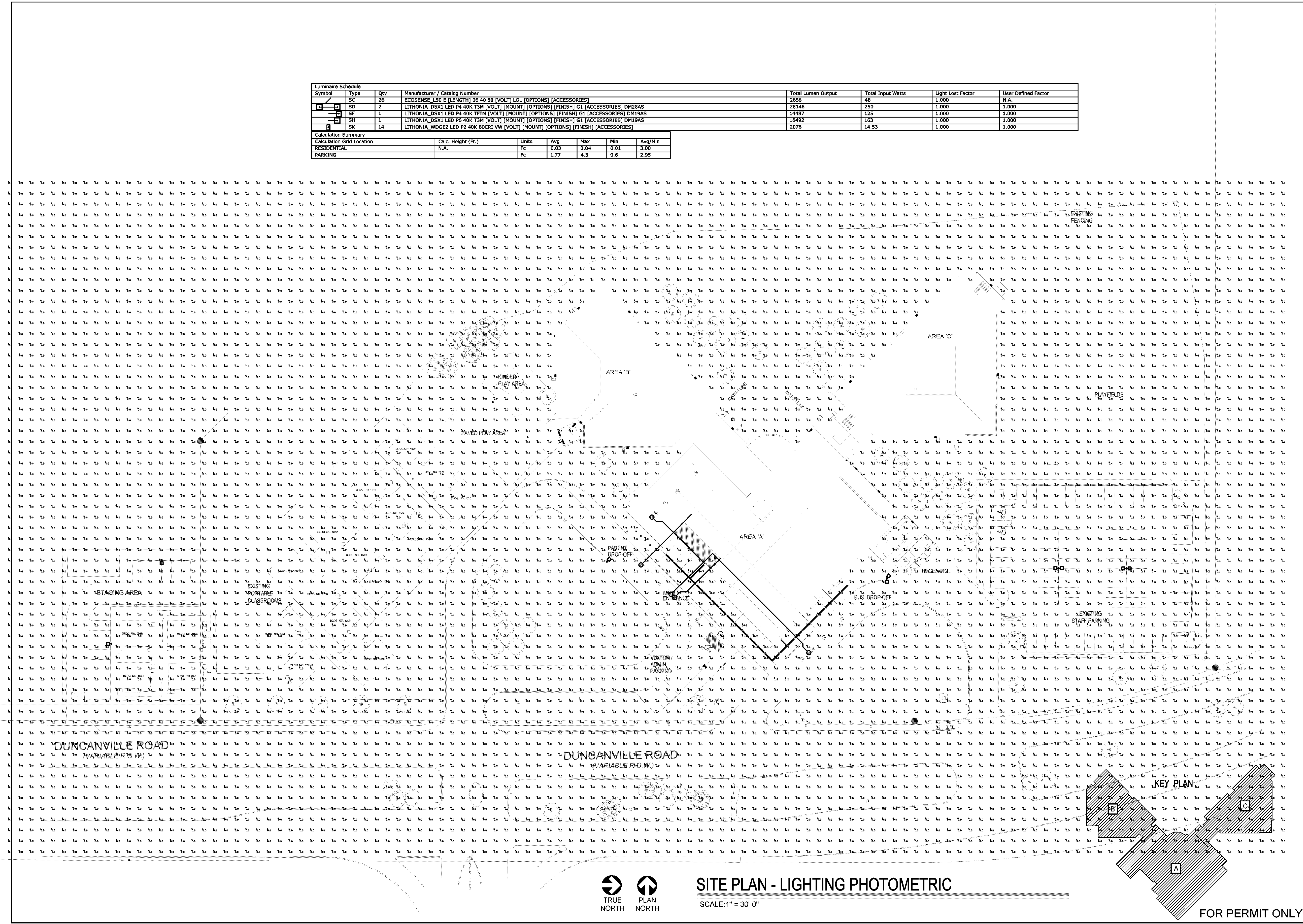
Job 1025202
 Date 11-18-2022
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 Sheet **E0.00**

Of SHEETS
 Job 1025202

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Luminaire Schedule							
Symbol	Type	Qty	Manufacturer / Catalog Number	Total Lumen Output	Total Input Watts	Light Loss Factor	User Defined Factor
SC	26	26	ECOSENSE L50 F (LENGTH) 06 40 80 [VOLT] [OPTIONS] [ACCESSORIES]	1,000	48	1.000	N.A.
SD	2	2	LITHONIA_DSX1 LED P4 40K T3M [VOLT] [MOUNT] [OPTIONS] [FINISH] G1 [ACCESSORIES] DM28AS	28146	250	1.000	1.000
SF	1	1	LITHONIA_DSX1 LED P4 40K T3M [VOLT] [MOUNT] [OPTIONS] [FINISH] G1 [ACCESSORIES] DM19AS	14487	125	1.000	1.000
SH	1	1	LITHONIA_DSX1 LED P6 40K T3M [VOLT] [MOUNT] [OPTIONS] [FINISH] G1 [ACCESSORIES] DM19AS	18492	163	1.000	1.000
SK	14	14	LITHONIA_WDGE2 LED P2 40K 80CRI VW [VOLT] [MOUNT] [OPTIONS] [FINISH] [ACCESSORIES]	2076	14.53	1.000	1.000

Calculation Summary						
Calculation Grid Location	Calc. Height (Ft.)	Units	Avg	Max	Min	Avg/Min
RESIDENTIAL	N.A.	Fc	0.03	0.04	0.01	3.00
PARKING	N.A.	Fc	1.77	4.3	0.6	2.95



**SITE PLAN - LIGHTING PHOTOMETRIC**

SCALE: 1" = 30'-0"

FOR PERMIT ONLY

OWNER:  
**DALLAS**  
 DALLAS INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
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CONSULTANT SEAL:  
 F-6580  
 STATE OF TEXAS  
 PROFESSIONAL ENGINEERING  
 ALEX BETHUNE  
 08/18/23  
 Revisions: 1 XXXXXXXX  
 Issues: 2 XXX

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.



SHEET NAME:  
**SITE PLAN - LIGHTING PHOTOMETRIC**  
 Job: 1025202  
 Date: 11-18-2022  
 Drawn:  
 Check:  
 PRF  
 Sheet: **E0.01**  
 Of: SHEETS

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NEAREST THE TEACHING WALL AND A ZONE FOR THE GENERAL LIGHTS. ENTRY STATION AT DOOR TO BE LOW-VOLTAGE, 2-ZONE CONTROLLER WITH DIMMING.

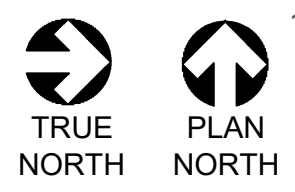
CONTROLS NOT PROVIDED FOR THIS SPACE FOR OCCUPANT SAFETY OR NOT REQUIRED BY CODE. LIGHTS SHALL BE TURNED ON/OFF VIA EXISTING TOGGLE SWITCH(ES)

### GENERAL NOTES

- A. REFER TO ARCHITECTURAL REFLECTED CEILING AND ELEVATION PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL LIGHT FIXTURES.
- B. ELECTRICAL CONTRACTOR TO REFER TO MANUFACTURER DRAWINGS OF ALL EQUIPMENT FOR EXACT LOCATION AND FOR THE PROVIDING AND INSTALLATION OF ALL DEVICES, RACEWAYS, WALL BOXES AND WIRING NOT SHOWN ON THIS DRAWING. VERIFY ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN.
- C. REFER TO STRUCTURAL DRAWINGS FOR CONDUIT RUNS UP IN JOIST AND SUSPENDING REQUIREMENTS.
- D. VERIFY EXACT LOCATION AND MOUNTING HEIGHT OF ALL TOGGLE/PILOT SWITCHES WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
- E. ELECTRICAL CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES INVOLVED IN THE CEILING WORK TO INSURE CLEARANCES FOR LIGHT FIXTURES, ETC. NECESSARY TO MAINTAIN THE FINISHED CEILING HEIGHTS INDICATED ON ARCHITECTURAL DRAWING. ELECTRICAL CONTRACTOR TO NOTIFY ARCHITECT OF ANY CONFLICT OF LIGHT FIXTURE LOCATIONS WITH MAIN RUNNERS, DUCTS, ETC. PRIOR TO INSTALLATION.
- F. ELECTRICAL CONTRACTOR SHALL PROVIDE EMERGENCY BATTERY PACK/EMERGENCY LIGHT FIXTURE IN THE EXISTING FACILITY AS REQUIRED PER LATEST NFPA AND LIFE SAFETY CODES. FIELD VERIFY QUANTITY AND LOCATION PRIOR TO BID.
- G. ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING EMERGENCY EXIT LIGHT FIXTURES AND RECONNECT AS EXISTING TO THE NEAREST 277V LIGHTING CIRCUIT. FIELD VERIFY QUANTITY AND LOCATION PRIOR TO BID. PROVIDE ADDITIONAL EXIT LIGHTS IF NEEDED PER LATEST CODES.
- H. REFER TO LIGHTING CONTROLS RISER, SHEET E5.01 FOR NETWORKED LIGHTING CONTROLS INFRASTRUCTURE. NOT ALL DEVICES ARE SHOWN ON THIS PLAN.

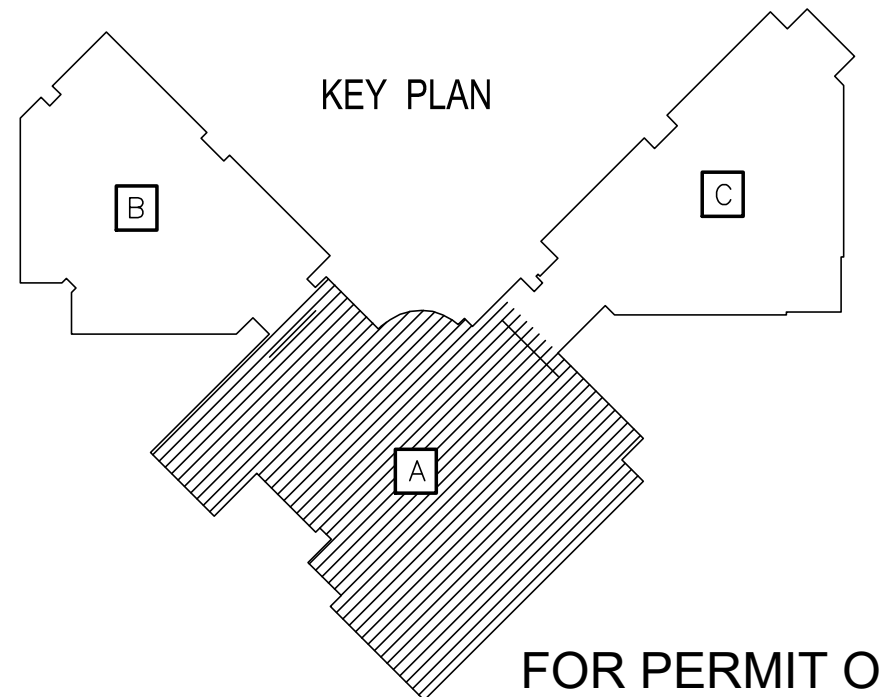
### LEGEND NOTES

- 1 FURNISH AND INSTALL OCCUPANCY SENSOR EQUAL TO ACUTY #ACM-POT. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH MANUFACTURER. CONNECT AND WIRE AS SHOWN.
- 2 FURNISH AND INSTALL A POWER PACK EQUAL TO ACUTY #PP16D-EFP (-SA). VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH MANUFACTURER. CONNECT AND WIRE AS SHOWN.
- 3 PROVIDE OCCUPANCY SENSOR SWITCH. OCCUPANCY SENSOR SWITCH SHALL IMMEDIATELY SWITCH THE LIGHTS "ON" WHEN MOVEMENT IS DETECTED AND SHALL AUTOMATICALLY SWITCH THE LIGHTS "OFF" AFTER THE ROOM IS VACATED FOR A PRESET LENGTH OF TIME. OCCUPANCY SENSOR SWITCH SHALL BE ACUTY #WSXA-POT OR EQUAL.
- 4 ELECTRICAL CONTRACTOR SHALL CONNECT TO THE ASSOCIATED EXISTING 480/277V LIGHTING PANEL WIRE VIA 2#10, 1#10G, 3/4" C. CALCULATE VOLTAGE DROP PER LATEST NEC PRIOR TO CONNECTING. RE-USE EXISTING 1P/20A CIRCUIT BREAKER LOCATED IN PANEL. VERIFY EXACT PANEL LOCATION PRIOR TO BID. NOTIFY ENGINEER OF ANY DISCREPANCIES. VERIFY PANEL LOAD PER NEC PRIOR TO ANY ADDITIONAL LOAD.
- 5 FURNISH AND INSTALL LOW VOLTAGE CEILING MOUNT SENSOR, PASSIVE DUAL TECHNOLOGY, LARGE MOTION/EXTENDED RANGE 360° LENS, REAR RJ-45 PORTS, EQUAL TO ACUTY #ACM-POT-10 RJB. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH MANUFACTURER. CONNECT AND WIRE AS SHOWN.
- 6 FURNISH AND INSTALL LOW VOLTAGE CEILING MOUNT SENSOR, PASSIVE DUAL TECHNOLOGY, LARGE MOTION/EXTENDED RANGE 360° LENS, REAR RJ-45 PORTS, EQUAL TO ACUTY #ACM-POT-10 RJB. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH MANUFACTURER. CONNECT AND WIRE AS SHOWN.



## LEVEL 1 PLAN - AREA "A" - LIGHTING

SCALE: 3/32" = 1'-0"

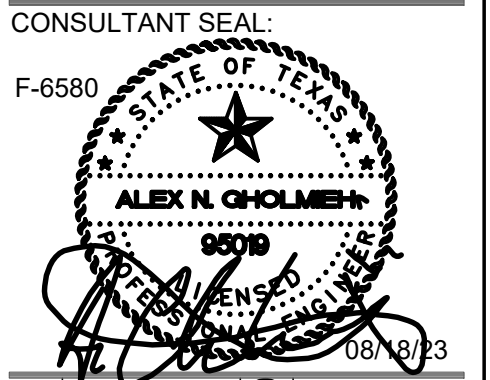


FOR PERMIT ONLY

OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
 ARCHITECTURE • ENGINEERING • CONSTRUCTION • INSPECTIONS  
 13140 NORTH COTT ROAD • SUITE 230  
 CARROLLTON, TEXAS 75006  
 PH: (214) 340-4440 FAX: (214) 340-0205

CONSULTANT:  
 THE ALEX GROUP, LLC  
**TAG**  
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 2701 E. Trinity Mills Rd. Suite 108 Tel: 972.829.6400  
 Carrollton, Texas 75006 Fax: 972.829.6404  
 www.thealexgroup.net



CONSULTANT SEAL: F-6580

Revisions	Issues
△ xxx/xxx/xxxx	② xxx

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.



SHEET NAME:  
**LEVEL 1 PLAN - AREA "A" - LIGHTING**

Job	1025202
Date	11-18-2022
Drawn	Check
PRF	
Sheet	<b>E1.01</b>
Of	SHEETS

### GENERAL NOTES

- A. REFER TO ARCHITECTURAL REFLECTED CEILING AND ELEVATION PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL LIGHT FIXTURES.
- B. ELECTRICAL CONTRACTOR TO REFER TO MANUFACTURER DRAWINGS OF ALL EQUIPMENT FOR EXACT LOCATION AND FOR THE PROVIDING AND INSTALLATION OF ALL DEVICES, RACEWAYS, WALL BOXES AND WIRING NOT SHOWN ON THIS DRAWING. VERIFY ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN.
- C. REFER TO STRUCTURAL DRAWINGS FOR CONDUIT RUNS UP IN JOIST AND SUSPENDING REQUIREMENTS.
- D. VERIFY EXACT LOCATION AND MOUNTING HEIGHT OF ALL TOGGLE/PILOT SWITCHES WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
- E. ELECTRICAL CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES INVOLVED IN THE CEILING WORK TO INSURE CLEARANCES FOR LIGHT FIXTURES, ETC. NECESSARY TO MAINTAIN THE FINISHED CEILING HEIGHTS INDICATED ON ARCHITECTURAL DRAWING. ELECTRICAL CONTRACTOR TO NOTIFY ARCHITECT OF ANY CONFLICT OF LIGHT FIXTURE LOCATIONS WITH MAIN RUNNERS, DUCTS, ETC. PRIOR TO INSTALLATION.
- F. ELECTRICAL CONTRACTOR SHALL PROVIDE EMERGENCY BATTERY PACK/EMERGENCY LIGHT FIXTURE IN THE EXISTING FACILITY AS REQUIRED PER LATEST NFPA AND LIFE SAFETY CODES. FIELD VERIFY QUANTITY AND LOCATION PRIOR TO BID.
- G. ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING EMERGENCY EXIT LIGHT FIXTURES AND RECONNECT AS EXISTING TO THE NEAREST 277V LIGHTING CIRCUIT. FIELD VERIFY QUANTITY AND LOCATION PRIOR TO BID. PROVIDE ADDITIONAL EXIT LIGHTS IF NEEDED PER LATEST CODES.
- H. REFER TO LIGHTING CONTROLS RISER, SHEET E5.01 FOR NETWORKED LIGHTING CONTROLS INFRASTRUCTURE. NOT ALL DEVICES ARE SHOWN ON THIS PLAN.

### LEGEND NOTES

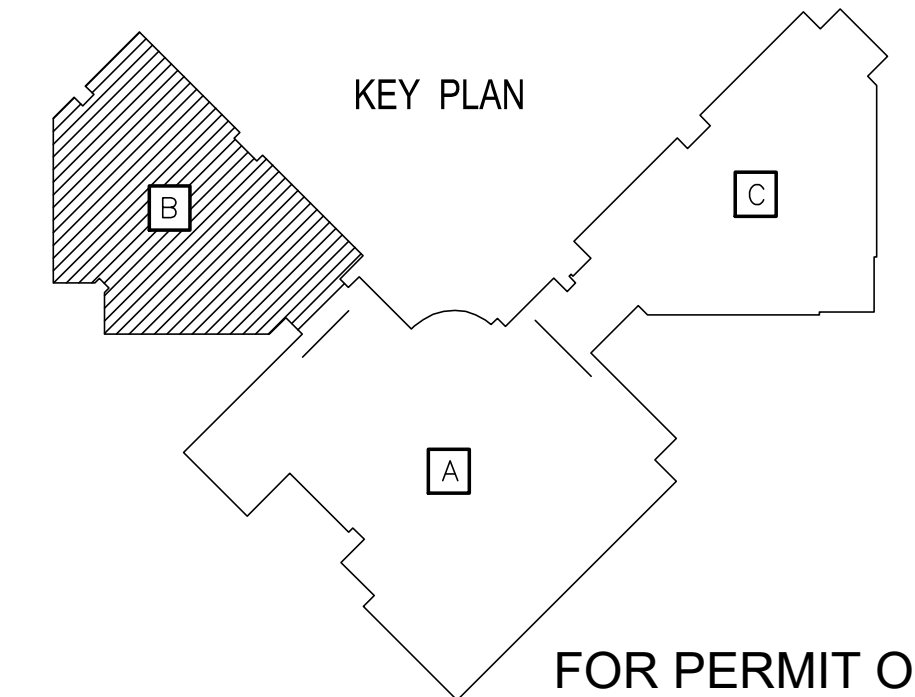
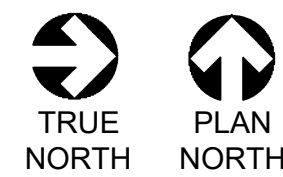
- ① FURNISH AND INSTALL OCCUPANCY SENSOR EQUAL TO ACUTY #nCM-PDT. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH MANUFACTURER. CONNECT AND WIRE AS SHOWN.
- ② FURNISH AND INSTALL A POWER PACK EQUAL TO ACUTY #APP16D-EFP (-SA). VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH MANUFACTURER. CONNECT AND WIRE AS SHOWN.
- ③ PROVIDE OCCUPANCY SENSOR SWITCH. OCCUPANCY SENSOR SWITCH SHALL IMMEDIATELY SWITCH THE LIGHTS "ON" WHEN MOVEMENT IS DETECTED AND SHALL AUTOMATICALLY SWITCH THE LIGHTS "OFF" AFTER THE ROOM IS VACATED FOR A PRESET LENGTH OF TIME. OCCUPANCY SENSOR SWITCH SHALL BE ACUTY #WSXA-PDT OR EQUAL.
- ④ ELECTRICAL CONTRACTOR SHALL CONNECT TO THE ASSOCIATED EXISTING 480/277V LIGHTING PANEL WIRE VIA 2#10, 1#10G, 3/4". CALCULATE VOLTAGE DROP PER LATEST NEC PRIOR TO CONNECTING. RE-USE EXISTING 1P/20A CIRCUIT BREAKER LOCATED IN PANEL. VERIFY EXACT PANEL LOCATION PRIOR TO BID. NOTIFY ENGINEER OF ANY DISCREPANCIES. VERIFY PANEL LOAD PER NEC PRIOR TO ANY ADDITIONAL LOAD.
- ⑤ FURNISH AND INSTALL LOW VOLTAGE CEILING MOUNT SENSOR, PASSIVE DUAL TECHNOLOGY, LARGE MOTION/EXTENDED RANGE 360° LENS, REAR RJ-45 PORTS, EQUAL TO ACUTY #nCM-PDT-10 RUB. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH MANUFACTURER. CONNECT AND WIRE AS SHOWN.

TYPICAL CLASSROOM SHALL HAVE 2 ZONES, A ZONE FOR THE LIGHTS NEAREST THE TEACHING WALL AND A ZONE FOR THE GENERAL LIGHTS. ENTRY STATION AT DOOR TO BE LOW-VOLTAGE, 2-ZONE CONTROLLER WITH DIMMING.



**LEVEL 1 PLAN - AREA "B" - LIGHTING**

SCALE: 3/32" = 1'-0"



OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
 ARCHITECTURE-ENGINEERING-CONSTRUCTION-INSPECTIONS  
 13140 NORTH COTT ROAD - SUITE 230  
 DALLAS, TEXAS 75244  
 PH: (214) 340-4440 FAX: (214) 340-0205

CONSULTANT:  
 THE ALEX GROUP, LLC  
 13140 NORTH COTT ROAD, SUITE 230  
**TAG**  
 the alex group, llc  
 Professional & Consulting Engineers  
 2701 E. Trinity Mills Rd, Suite 108 Tel: 972.829.6400  
 Carrollton, Texas 75006 Fax: 972.829.6404  
 www.thealexgroup.net

CONSULTANT SEAL:  
 F-6580  
  
 Revisions: xx/xx/xxxx Issues: xxx

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

**BOND2020**  
 OUR CHILDREN. OUR COMMUNITY. OUR FUTURE.

SHEET NAME:  
**LEVEL 1 PLAN - AREA "B" - LIGHTING**

Job 1025202  
 Date 11-18-2022  
 Drawn  
 Check  
 PRF  
 Sheet **E1.02**  
 Of SHEETS

# GENERAL NOTES

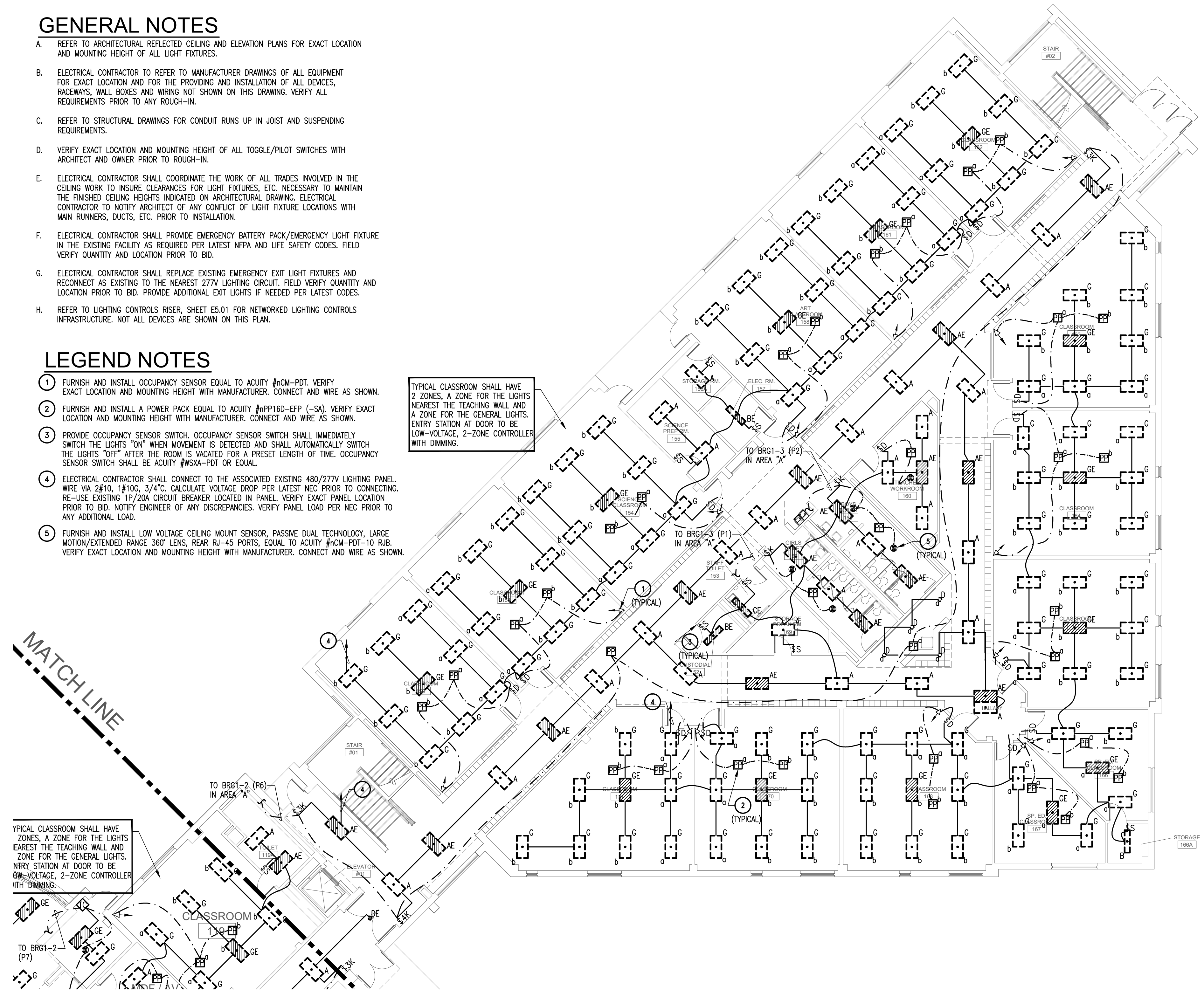
- A. REFER TO ARCHITECTURAL REFLECTED CEILING AND ELEVATION PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL LIGHT FIXTURES.
- B. ELECTRICAL CONTRACTOR TO REFER TO MANUFACTURER DRAWINGS OF ALL EQUIPMENT FOR EXACT LOCATION AND FOR THE PROVIDING AND INSTALLATION OF ALL DEVICES, RACEWAYS, WALL BOXES AND WIRING NOT SHOWN ON THIS DRAWING. VERIFY ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN.
- C. REFER TO STRUCTURAL DRAWINGS FOR CONDUIT RUNS UP IN JOIST AND SUSPENDING REQUIREMENTS.
- D. VERIFY EXACT LOCATION AND MOUNTING HEIGHT OF ALL TOGGLE/PILOT SWITCHES WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
- E. ELECTRICAL CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES INVOLVED IN THE CEILING WORK TO INSURE CLEARANCES FOR LIGHT FIXTURES, ETC. NECESSARY TO MAINTAIN THE FINISHED CEILING HEIGHTS INDICATED ON ARCHITECTURAL DRAWING. ELECTRICAL CONTRACTOR TO NOTIFY ARCHITECT OF ANY CONFLICT OF LIGHT FIXTURE LOCATIONS WITH MAIN RUNNERS, DUCTS, ETC. PRIOR TO INSTALLATION.
- F. ELECTRICAL CONTRACTOR SHALL PROVIDE EMERGENCY BATTERY PACK/EMERGENCY LIGHT FIXTURE IN THE EXISTING FACILITY AS REQUIRED PER LATEST NFPA AND LIFE SAFETY CODES. FIELD VERIFY QUANTITY AND LOCATION PRIOR TO BID.
- G. ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING EMERGENCY EXIT LIGHT FIXTURES AND RECONNECT AS EXISTING TO THE NEAREST 277V LIGHTING CIRCUIT. FIELD VERIFY QUANTITY AND LOCATION PRIOR TO BID. PROVIDE ADDITIONAL EXIT LIGHTS IF NEEDED PER LATEST CODES.
- H. REFER TO LIGHTING CONTROLS RISER, SHEET E5.01 FOR NETWORKED LIGHTING CONTROLS INFRASTRUCTURE. NOT ALL DEVICES ARE SHOWN ON THIS PLAN.

# LEGEND NOTES

- 1 FURNISH AND INSTALL OCCUPANCY SENSOR EQUAL TO ACUITY #cM-PDT. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH MANUFACTURER. CONNECT AND WIRE AS SHOWN.
- 2 FURNISH AND INSTALL A POWER PACK EQUAL TO ACUITY #APP16D-EFP (-SA). VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH MANUFACTURER. CONNECT AND WIRE AS SHOWN.
- 3 PROVIDE OCCUPANCY SENSOR SWITCH. OCCUPANCY SENSOR SWITCH SHALL IMMEDIATELY SWITCH THE LIGHTS "ON" WHEN MOVEMENT IS DETECTED AND SHALL AUTOMATICALLY SWITCH THE LIGHTS "OFF" AFTER THE ROOM IS VACATED FOR A PRESET LENGTH OF TIME. OCCUPANCY SENSOR SWITCH SHALL BE ACUITY #WSXA-PDT OR EQUAL.
- 4 ELECTRICAL CONTRACTOR SHALL CONNECT TO THE ASSOCIATED EXISTING 480/277V LIGHTING PANEL WIRE VIA 2#10, 1#10G, 3/4"C. CALCULATE VOLTAGE DROP PER LATEST NEC PRIOR TO CONNECTING. RE-USE EXISTING 1P/20A CIRCUIT BREAKER LOCATED IN PANEL. VERIFY EXACT PANEL LOCATION PRIOR TO BID. NOTIFY ENGINEER OF ANY DISCREPANCIES. VERIFY PANEL LOAD PER NEC PRIOR TO ANY ADDITIONAL LOAD.
- 5 FURNISH AND INSTALL LOW VOLTAGE CEILING MOUNT SENSOR, PASSIVE DUAL TECHNOLOGY, LARGE MOTION/EXTENDED RANGE 360° LENS, REAR RJ-45 PORTS, EQUAL TO ACUITY #cM-PDT-10 RJ.B. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH MANUFACTURER. CONNECT AND WIRE AS SHOWN.

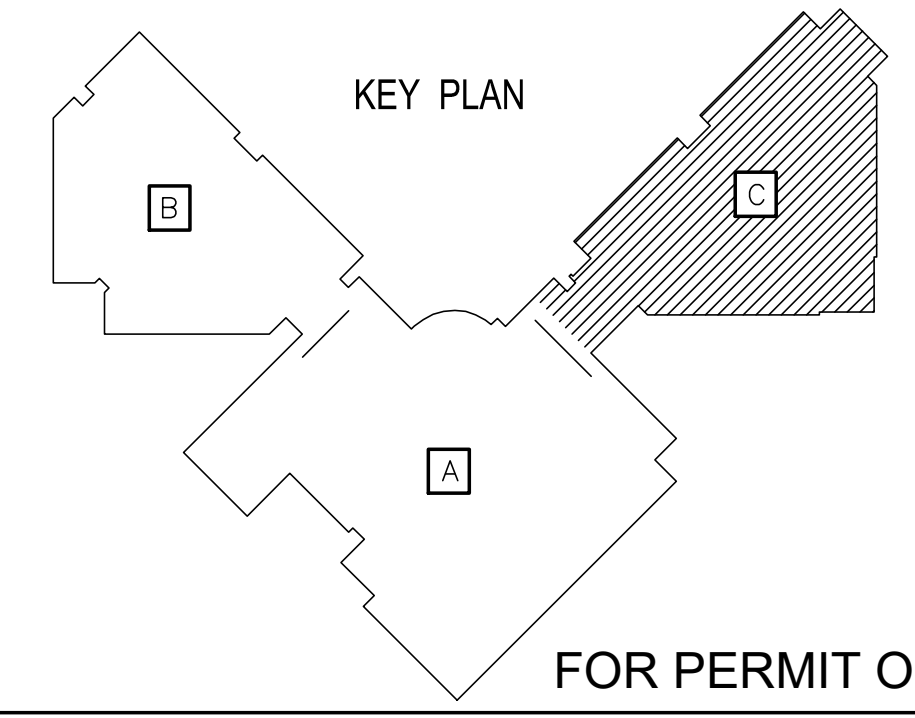
TYPICAL CLASSROOM SHALL HAVE 2 ZONES, A ZONE FOR THE LIGHTS NEAREST THE TEACHING WALL AND A ZONE FOR THE GENERAL LIGHTS. ENTRY STATION AT DOOR TO BE LOW-VOLTAGE, 2-ZONE CONTROLLER WITH DIMMING.

TYPICAL CLASSROOM SHALL HAVE 2 ZONES, A ZONE FOR THE LIGHTS NEAREST THE TEACHING WALL AND A ZONE FOR THE GENERAL LIGHTS. ENTRY STATION AT DOOR TO BE LOW-VOLTAGE, 2-ZONE CONTROLLER WITH DIMMING.



## LEVEL 1 PLAN - AREA "C" - LIGHTING

SCALE: 3/32" = 1'-0"



FOR PERMIT ONLY

OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
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 13140 NORTH COTT ROAD - SUITE 230  
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CONSULTANT:  
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 CARROLLTON, TEXAS 75006 FAX: 972.820.6446  
 www.thealexgroup.net

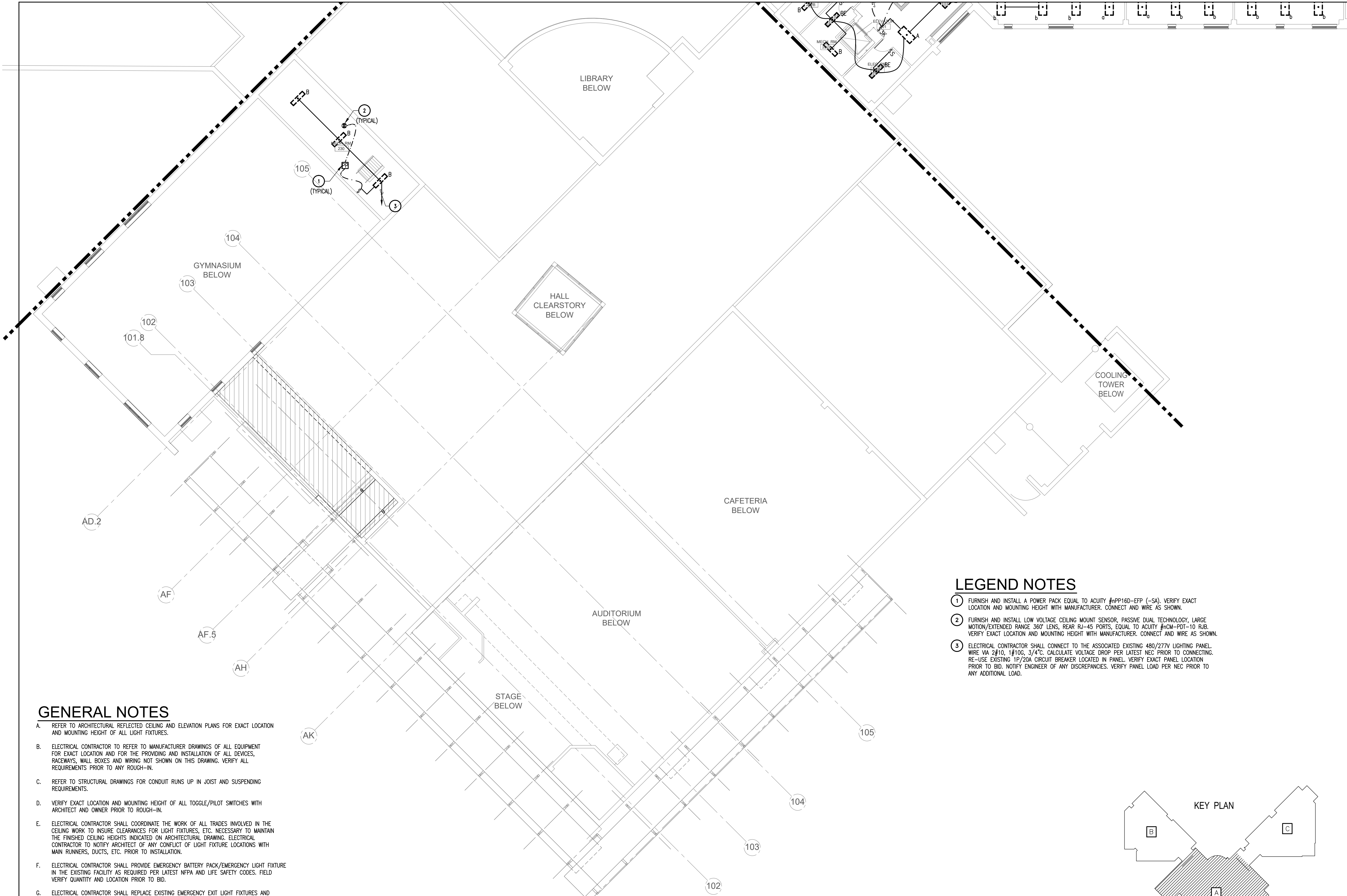
CONSULTANT SEAL:  
 F-6580  
 STATE OF TEXAS  
 ALEX N. GOLETTA  
 08/18/23

Revisions: xx/xx/xxxx Issues: 2 xxx

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

SHEET NAME:  
**LEVEL 1 PLAN - AREA "C" - LIGHTING**

Job 1025202  
 Date 11-18-2022  
 Drawn  
 Check  
 PRF  
 Sheet **E1.03**  
 Of SHEETS

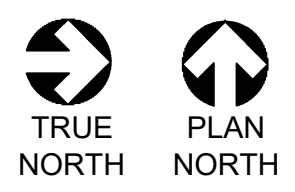


**GENERAL NOTES**

- A. REFER TO ARCHITECTURAL REFLECTED CEILING AND ELEVATION PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL LIGHT FIXTURES.
- B. ELECTRICAL CONTRACTOR TO REFER TO MANUFACTURER DRAWINGS OF ALL EQUIPMENT FOR EXACT LOCATION AND FOR THE PROVIDING AND INSTALLATION OF ALL DEVICES, RACEWAYS, WALL BOXES AND WIRING NOT SHOWN ON THIS DRAWING. VERIFY ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN.
- C. REFER TO STRUCTURAL DRAWINGS FOR CONDUIT RUNS UP IN JOIST AND SUSPENDING REQUIREMENTS.
- D. VERIFY EXACT LOCATION AND MOUNTING HEIGHT OF ALL TOGGLE/PILOT SWITCHES WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
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- F. ELECTRICAL CONTRACTOR SHALL PROVIDE EMERGENCY BATTERY PACK/EMERGENCY LIGHT FIXTURE IN THE EXISTING FACILITY AS REQUIRED PER LATEST NFPA AND LIFE SAFETY CODES. FIELD VERIFY QUANTITY AND LOCATION PRIOR TO BID.
- G. ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING EMERGENCY EXIT LIGHT FIXTURES AND RECONNECT AS EXISTING TO THE NEAREST 277V LIGHTING CIRCUIT. FIELD VERIFY QUANTITY AND LOCATION PRIOR TO BID. PROVIDE ADDITIONAL EXIT LIGHTS IF NEEDED PER LATEST CODES.
- H. REFER TO LIGHTING CONTROLS RISER, SHEET ES.01 FOR NETWORKED LIGHTING CONTROLS INFRASTRUCTURE. NOT ALL DEVICES ARE SHOWN ON THIS PLAN.

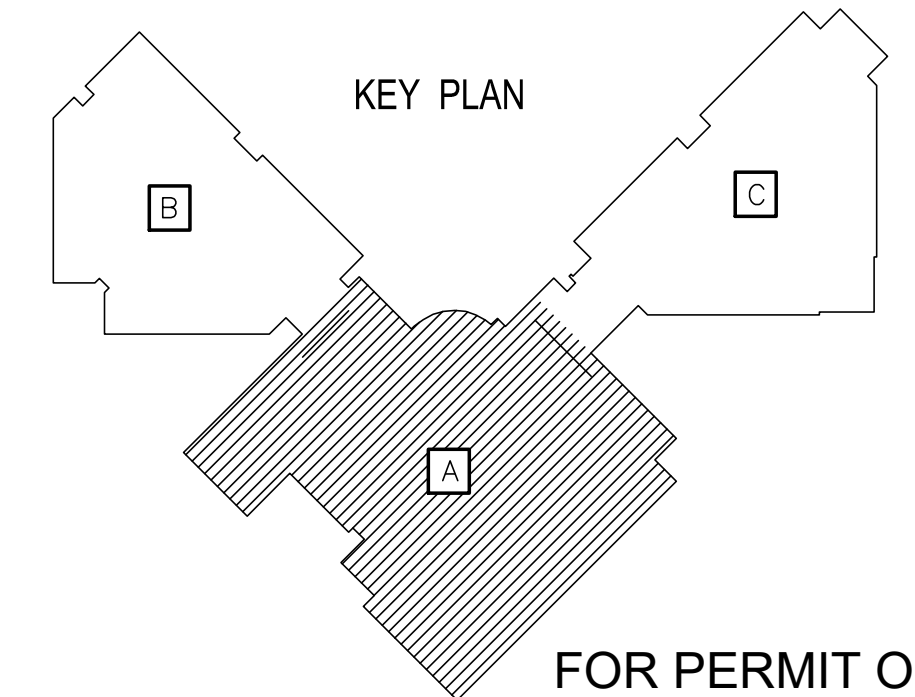
**LEGEND NOTES**

- 1 FURNISH AND INSTALL A POWER PACK EQUAL TO ACUITY #nPP16D-EFP (-SA). VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH MANUFACTURER. CONNECT AND WIRE AS SHOWN.
- 2 FURNISH AND INSTALL LOW VOLTAGE CEILING MOUNT SENSOR, PASSIVE DUAL TECHNOLOGY, LARGE MOTION/EXTENDED RANGE 360° LENS, REAR RJ-45 PORTS, EQUAL TO ACUITY #nCM-PDT-10 RJB. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH MANUFACTURER. CONNECT AND WIRE AS SHOWN.
- 3 ELECTRICAL CONTRACTOR SHALL CONNECT TO THE ASSOCIATED EXISTING 480/277V LIGHTING PANEL WIRE VIA 2#10, 1#10G, 3/4" C. CALCULATE VOLTAGE DROP PER LATEST NEC PRIOR TO CONNECTING. RE-USE EXISTING 1P/20A CIRCUIT BREAKER LOCATED IN PANEL. VERIFY EXACT PANEL LOCATION PRIOR TO BID. NOTIFY ENGINEER OF ANY DISCREPANCIES. VERIFY PANEL LOAD PER NEC PRIOR TO ANY ADDITIONAL LOAD.



**LEVEL 2 PLAN - AREA "A" - LIGHTING**

SCALE: 3/32" = 1'-0"



FOR PERMIT ONLY

OWNER:  
**DALLAS**  
 DALLAS INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
 ARCHITECTURE-ENGINEERING-CONSTRUCTION-INSPECTIONS  
 13140 NORTH COIT ROAD - SUITE 230  
 CARROLLTON, TEXAS 75006  
 PH: (214) 340-4440 FAX: (214) 340-0205

CONSULTANT:  
 THE ALEX GROUP, LLC  
 2701 E. TRINITY MILLS RD. SUITE 108  
 CARROLLTON, TEXAS 75006  
 TEL: 972.829.6400  
 WWW.THEALEXGROUP.COM

CONSULTANT SEAL:  
 F-6580  
 STATE OF TEXAS  
 ALEX GOLLET  
 08/18/23

Revisions: 

△	xx/xx/xxxx	②	xxx
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 Issues: 

○	xxx
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DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

SHEET NAME:  
**LEVEL 2 PLAN - AREA "A" - LIGHTING**

Job 1025202  
 Date 11-18-2022  
 Drawn  
 Check  
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 Sheet **E1.04**  
 Of SHEETS

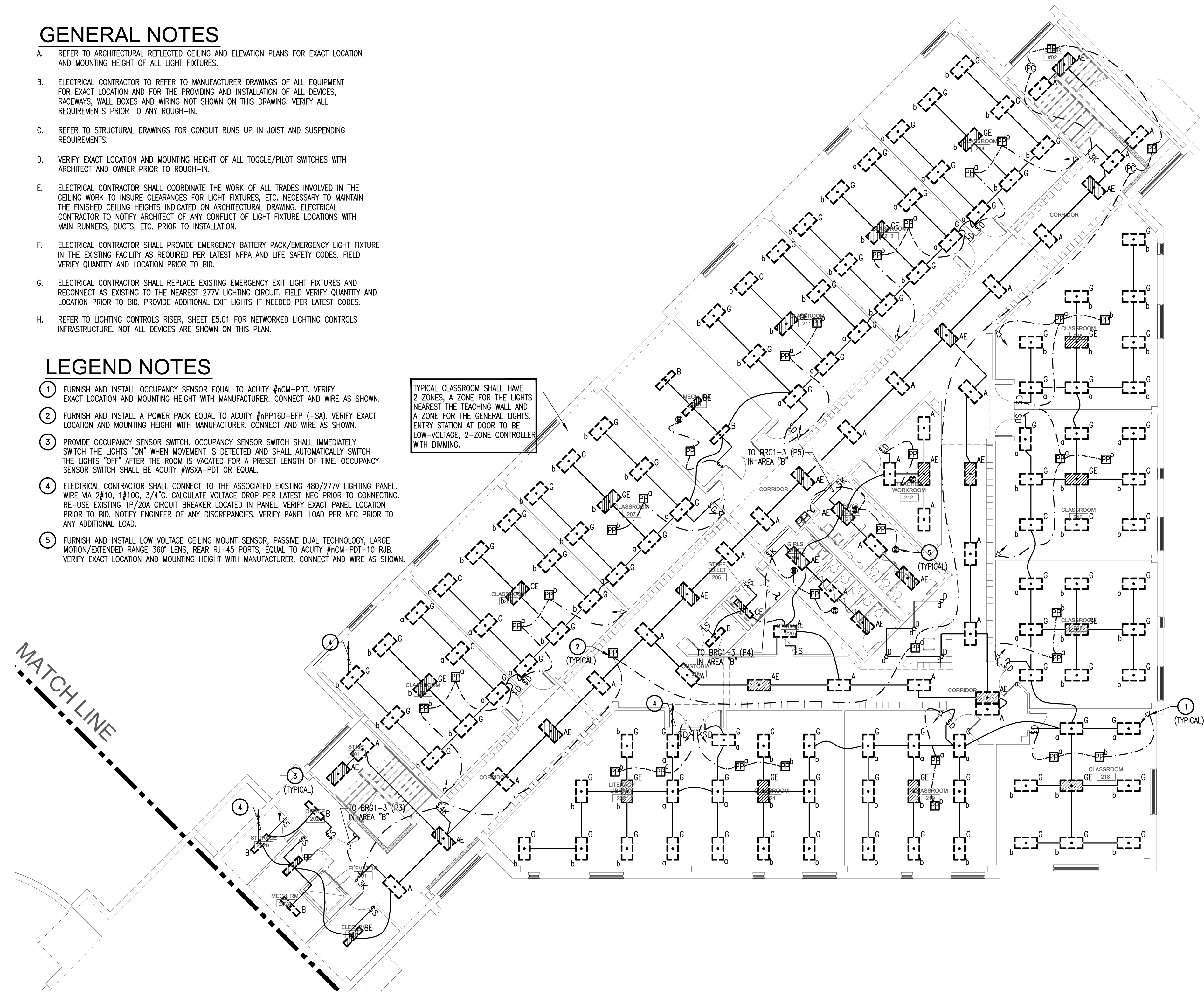
# GENERAL NOTES

- A. REFER TO ARCHITECTURAL REFLECTED CEILING AND ELEVATION PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL LIGHT FIXTURES.
- B. ELECTRICAL CONTRACTOR TO REFER TO MANUFACTURER DRAWINGS OF ALL EQUIPMENT FOR EXACT LOCATION AND FOR THE PROVIDING AND INSTALLATION OF ALL DEVICES, RACEWAYS, WALL BOXES AND WIRING NOT SHOWN ON THIS DRAWING. VERIFY ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN.
- C. REFER TO STRUCTURAL DRAWINGS FOR CONDUIT RUNS UP IN JOIST AND SUSPENDING REQUIREMENTS.
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- G. ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING EMERGENCY EXIT LIGHT FIXTURES AND RECONNECT AS EXISTING TO THE NEAREST 277V LIGHTING CIRCUIT. FIELD VERIFY QUANTITY AND LOCATION PRIOR TO BID. PROVIDE ADDITIONAL EXIT LIGHTS IF NEEDED PER LATEST CODES.
- H. REFER TO LIGHTING CONTROLS RISER, SHEET E5.01 FOR NETWORKED LIGHTING CONTROLS INFRASTRUCTURE. NOT ALL DEVICES ARE SHOWN ON THIS PLAN.

# LEGEND NOTES

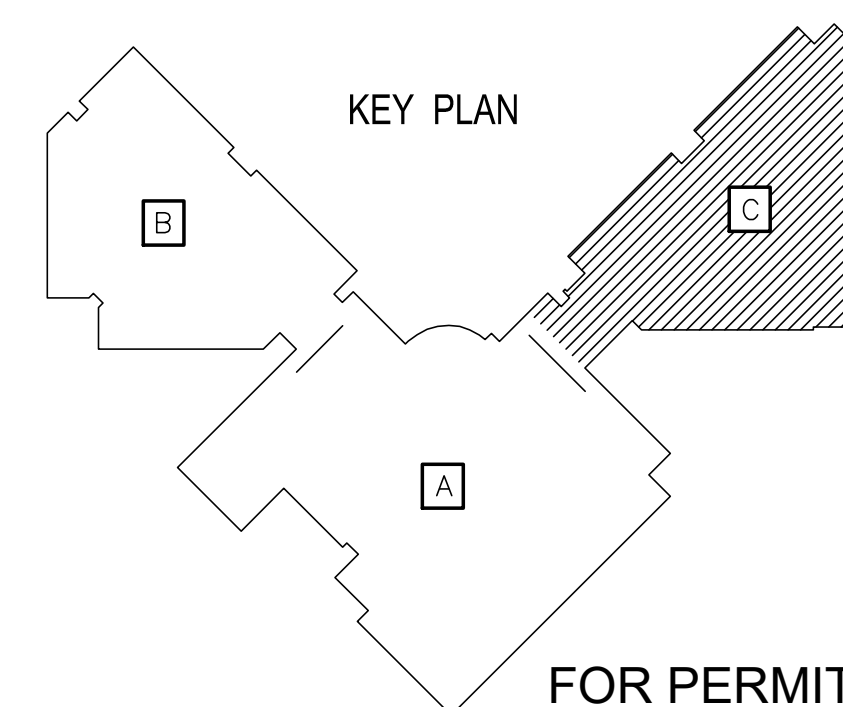
- 1 FURNISH AND INSTALL OCCUPANCY SENSOR EQUAL TO ACUTY #hCM-PDT. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH MANUFACTURER. CONNECT AND WIRE AS SHOWN.
- 2 FURNISH AND INSTALL A POWER PACK EQUAL TO ACUTY #hPP16D-EFP (-SA). VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH MANUFACTURER. CONNECT AND WIRE AS SHOWN.
- 3 PROVIDE OCCUPANCY SENSOR SWITCH. OCCUPANCY SENSOR SWITCH SHALL IMMEDIATELY SWITCH THE LIGHTS "ON" WHEN MOVEMENT IS DETECTED AND SHALL AUTOMATICALLY SWITCH THE LIGHTS "OFF" AFTER THE ROOM IS VACATED FOR A PRESET LENGTH OF TIME. OCCUPANCY SENSOR SWITCH SHALL BE ACUTY #WSXA-PDT OR EQUAL.
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- 5 FURNISH AND INSTALL LOW VOLTAGE CEILING MOUNT SENSOR, PASSIVE DUAL TECHNOLOGY, LARGE MOTION/EXTENDED RANGE 360° LENS, REAR RJ-45 PORTS, EQUAL TO ACUTY #hCM-PDT-10 RJB. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH MANUFACTURER. CONNECT AND WIRE AS SHOWN.

TYPICAL CLASSROOM SHALL HAVE 2 ZONES, A ZONE FOR THE LIGHTS NEAREST THE TEACHING WALL AND A ZONE FOR THE GENERAL LIGHTS. ENTRY STATION AT DOOR TO BE LOW-VOLTAGE, 2-ZONE CONTROLLER WITH DIMMING.



## LEVEL 2 PLAN - AREA "C" - LIGHTING

SCALE: 3/32" = 1'-0"



OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 DALLAS INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
 ARCHITECTURE-ENGINEERING-CONSTRUCTION-INSPECTIONS  
 13140 NORTH COIT ROAD - SUITE 230  
 CARROLLTON, TEXAS 75006  
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CONSULTANT:  
 THE ALEX GROUP, LLC  
 ARCHITECTURE-ENGINEERING-CONSTRUCTION-INSPECTIONS  
**TAG**  
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CONSULTANT SEAL:  
 F-6580  
  
 Revisions: 

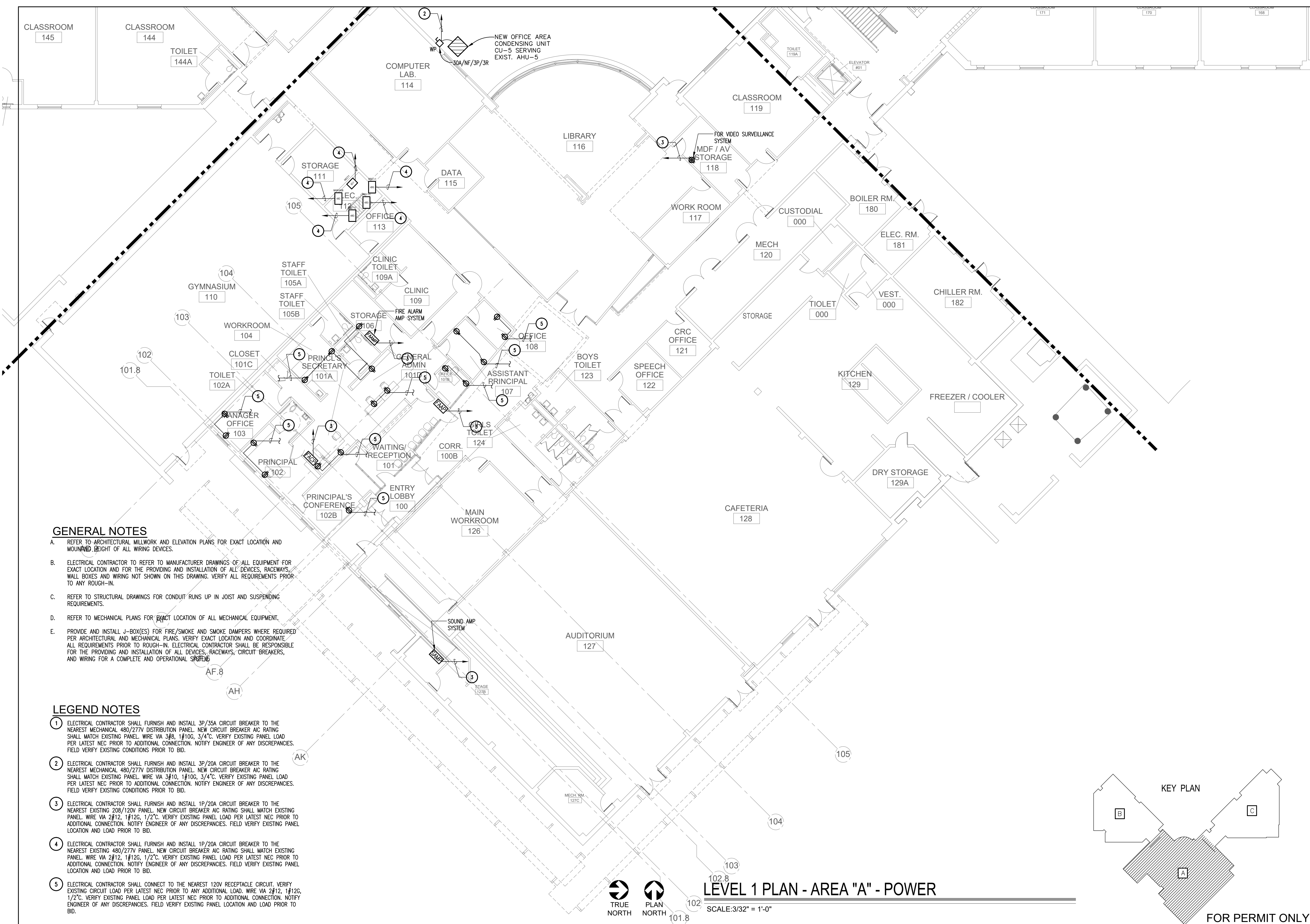
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 Issues: 

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DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

SHEET NAME:  
**LEVEL 2 PLAN - AREA "C" - LIGHTING**  
 Job 1025202  
 Date 11-18-2022  
 Drawn  
 Check  
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 Sheet **E1.05**  
 Of SHEETS



**GENERAL NOTES**

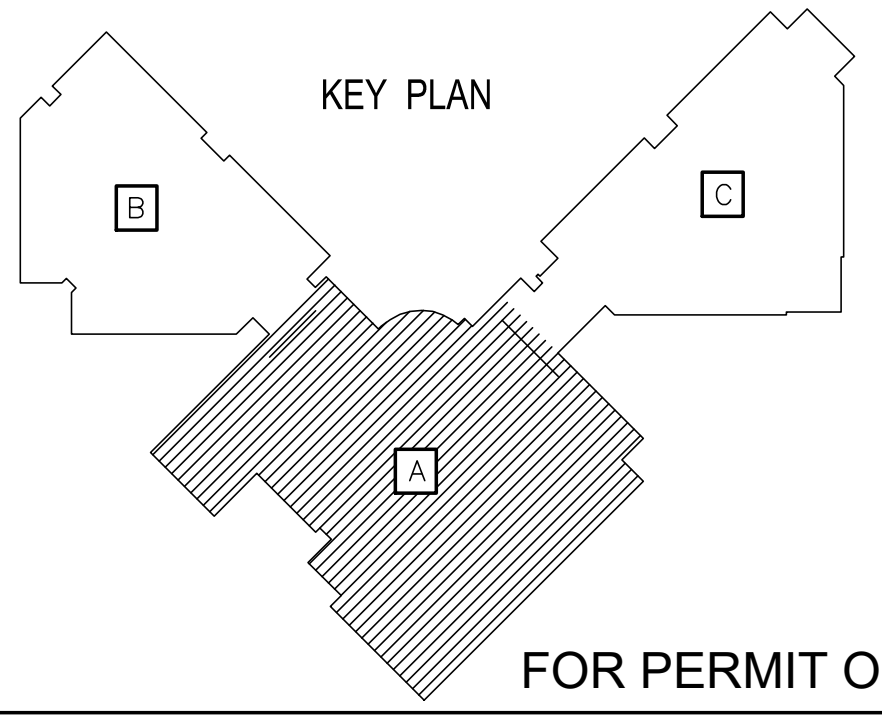
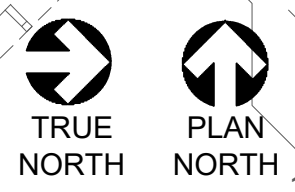
- A. REFER TO ARCHITECTURAL MILLWORK AND ELEVATION PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL WIRING DEVICES.
- B. ELECTRICAL CONTRACTOR TO REFER TO MANUFACTURER DRAWINGS OF ALL EQUIPMENT FOR EXACT LOCATION AND FOR THE PROVIDING AND INSTALLATION OF ALL DEVICES, RACEWAYS, WALL BOXES AND WIRING NOT SHOWN ON THIS DRAWING. VERIFY ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN.
- C. REFER TO STRUCTURAL DRAWINGS FOR CONDUIT RUNS UP IN JOIST AND SUSPENDING REQUIREMENTS.
- D. REFER TO MECHANICAL PLANS FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT.
- E. PROVIDE AND INSTALL J-BOX(ES) FOR FIRE/SMOKE AND SMOKE DAMPERS WHERE REQUIRED PER ARCHITECTURAL AND MECHANICAL PLANS. VERIFY EXACT LOCATION AND COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVIDING AND INSTALLATION OF ALL DEVICES, RACEWAYS, CIRCUIT BREAKERS, AND WIRING FOR A COMPLETE AND OPERATIONAL SYSTEM.

**LEGEND NOTES**

- ① ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 3P/35A CIRCUIT BREAKER TO THE NEAREST MECHANICAL 480/277V DISTRIBUTION PANEL. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING PANEL. WIRE VIA 3#8, 1#10G, 3/4". VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ADDITIONAL CONNECTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- ② ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 3P/20A CIRCUIT BREAKER TO THE NEAREST MECHANICAL 480/277V DISTRIBUTION PANEL. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING PANEL. WIRE VIA 3#10, 1#10G, 3/4". VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ADDITIONAL CONNECTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- ③ ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 1P/20A CIRCUIT BREAKER TO THE NEAREST EXISTING 208/120V PANEL. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING PANEL. WIRE VIA 2#12, 1#12G, 1/2". VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ADDITIONAL CONNECTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. FIELD VERIFY EXISTING PANEL LOCATION AND LOAD PRIOR TO BID.
- ④ ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 1P/20A CIRCUIT BREAKER TO THE NEAREST EXISTING 480/277V PANEL. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING PANEL. WIRE VIA 2#12, 1#12G, 1/2". VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ADDITIONAL CONNECTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. FIELD VERIFY EXISTING PANEL LOCATION AND LOAD PRIOR TO BID.
- ⑤ ELECTRICAL CONTRACTOR SHALL CONNECT TO THE NEAREST 120V RECEPTACLE CIRCUIT. VERIFY EXISTING CIRCUIT LOAD PER LATEST NEC. PRIOR TO ANY ADDITIONAL LOAD. WIRE VIA 2#12, 1#12G, 1/2". VERIFY EXISTING PANEL LOAD PER LATEST NEC. PRIOR TO ADDITIONAL CONNECTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. FIELD VERIFY EXISTING PANEL LOCATION AND LOAD PRIOR TO BID.

**LEVEL 1 PLAN - AREA "A" - POWER**

SCALE: 3/32" = 1'-0"



OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 DALLAS INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
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 CAROLINA, TEXAS 75006 PH: (214) 340-4440 FAX: (214) 340-0205

CONSULTANT:  
 THE ALEX GROUP, LLC  
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 www.thealexgroup.net

CONSULTANT SEAL:  
 F-6580  
 STATE OF TEXAS  
 ALEX COLETT  
 08/18/23

Revisions	Issues
△ xxx/xxxxxxx	② xxx

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

BOND 2020  
 OUR CHILDREN. OUR COMMUNITY. OUR FUTURE.

SHEET NAME:  
**LEVEL 1 PLAN - AREA "A" - POWER**

Job	1025202
Date	11-18-2022
Drawn	
Check	
PRF	<b>E2.01</b>
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Of	SHEETS

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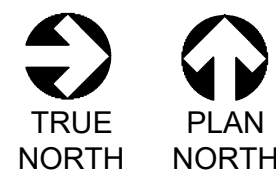
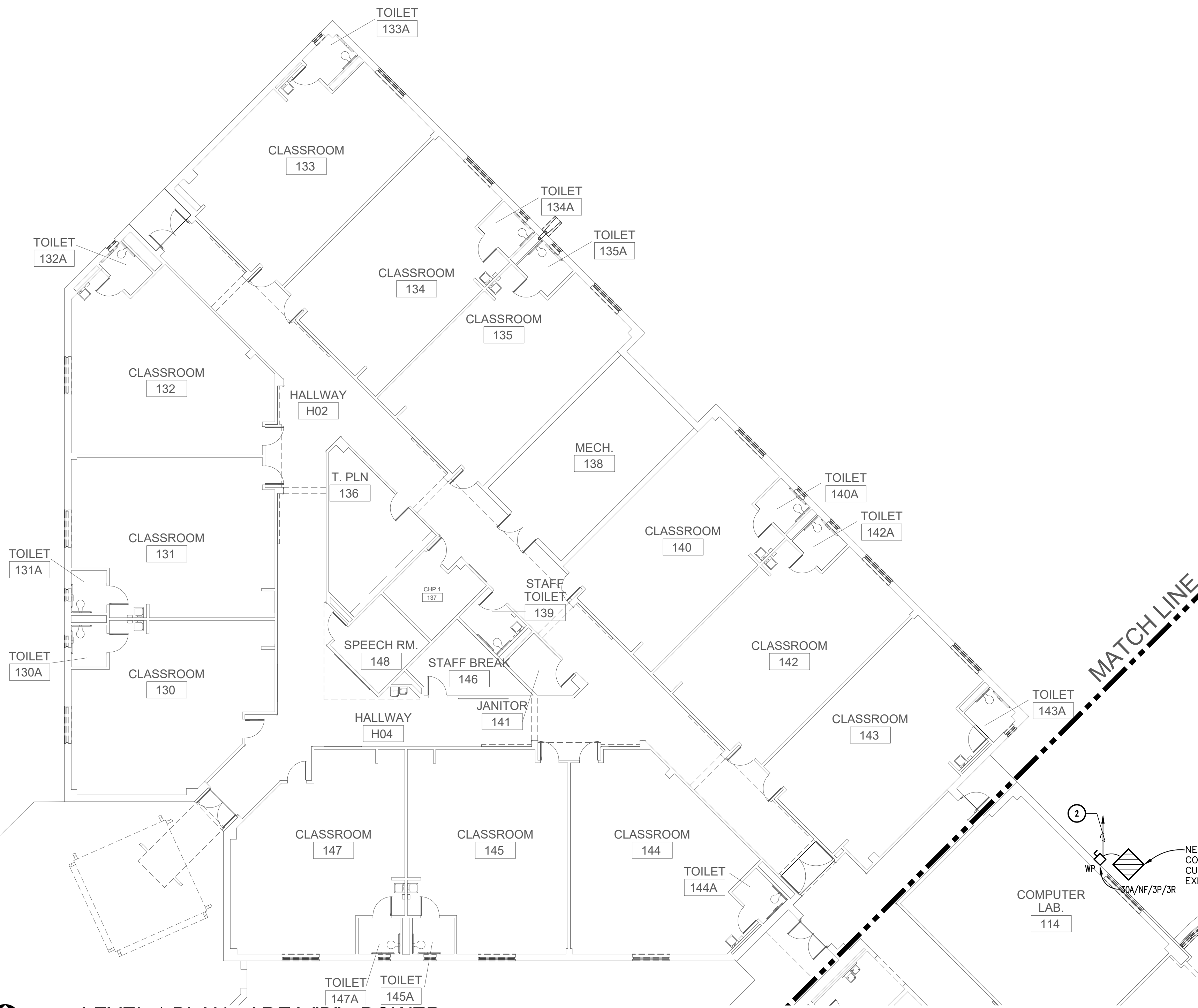


**GENERAL NOTES**

- A. REFER TO ARCHITECTURAL MILLWORK AND ELEVATION PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL WIRING DEVICES.
- B. ELECTRICAL CONTRACTOR TO REFER TO MANUFACTURER DRAWINGS OF ALL EQUIPMENT FOR EXACT LOCATION AND FOR THE PROVIDING AND INSTALLATION OF ALL DEVICES, RACEWAYS, WALL BOXES AND WIRING NOT SHOWN ON THIS DRAWING. VERIFY ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN.
- C. REFER TO STRUCTURAL DRAWINGS FOR CONDUIT RUNS UP IN JOIST AND SUSPENDING REQUIREMENTS.
- D. REFER TO MECHANICAL PLANS FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT.
- E. PROVIDE AND INSTALL J-BOX(ES) FOR FIRE/SMOKE AND SMOKE DAMPERS WHERE REQUIRED PER ARCHITECTURAL AND MECHANICAL PLANS. VERIFY EXACT LOCATION AND COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVIDING AND INSTALLATION OF ALL DEVICES, RACEWAYS, CIRCUIT BREAKERS, AND WIRING FOR A COMPLETE AND OPERATIONAL SYSTEM.

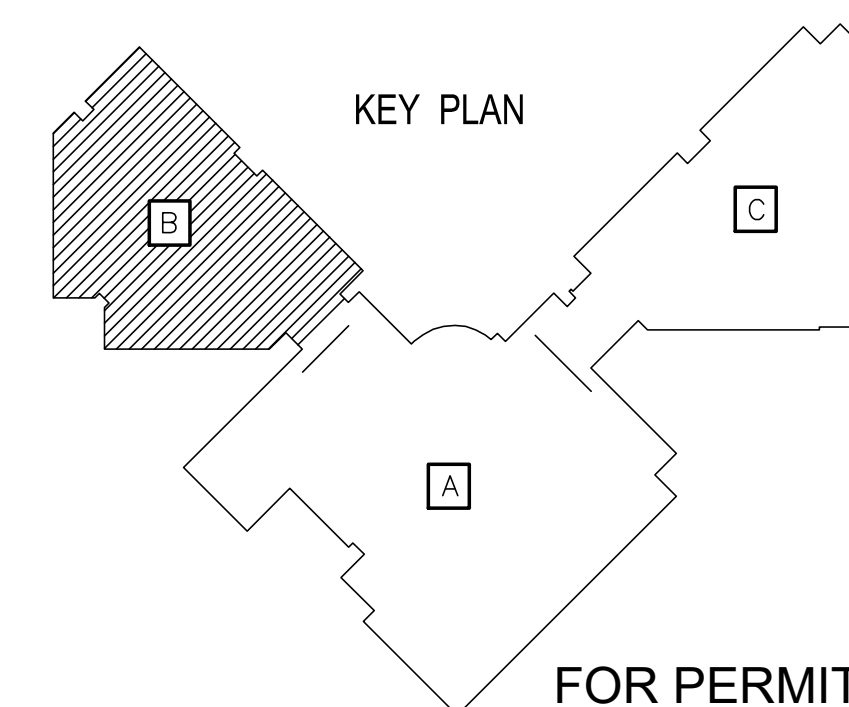
**LEGEND NOTES**

- 1 ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 3P/35A CIRCUIT BREAKER TO THE NEAREST MECHANICAL 480/277V DISTRIBUTION PANEL. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING PANEL. WIRE VIA 3#8, 1#10G, 3/4"C. VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ADDITIONAL CONNECTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- 2 ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 3P/20A CIRCUIT BREAKER TO THE NEAREST MECHANICAL 480/277V DISTRIBUTION PANEL. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING PANEL. WIRE VIA 3#10, 1#10G, 3/4"C. VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ADDITIONAL CONNECTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- 3 ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 1P/20A CIRCUIT BREAKER TO THE NEAREST EXISTING 208/120V PANEL. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING PANEL. WIRE VIA 2#12, 1#12G, 1/2"C. VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ADDITIONAL CONNECTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. FIELD VERIFY EXISTING PANEL LOCATION AND LOAD PRIOR TO BID.
- 4 ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 1P/20A CIRCUIT BREAKER TO THE NEAREST EXISTING 480/277V PANEL. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING PANEL. WIRE VIA 2#12, 1#12G, 1/2"C. VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ADDITIONAL CONNECTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. FIELD VERIFY EXISTING PANEL LOCATION AND LOAD PRIOR TO BID.
- 5 ELECTRICAL CONTRACTOR SHALL CONNECT TO THE NEAREST 120V RECEPTACLE CIRCUIT. VERIFY EXISTING CIRCUIT LOAD PER LATEST NEC PRIOR TO ANY ADDITIONAL LOAD. WIRE VIA 2#12, 1#12G, 1/2"C. VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ADDITIONAL CONNECTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. FIELD VERIFY EXISTING PANEL LOCATION AND LOAD PRIOR TO BID.



**LEVEL 1 PLAN - AREA "B" - POWER**

SCALE: 3/32" = 1'-0"



FOR PERMIT ONLY

OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
 ARCHITECTURE • ENGINEERING • CONSTRUCTION • INSPECTIONS  
 13140 NORTH COTT ROAD - SUITE 230  
 DALLAS, TEXAS 75244  
 PH: (214) 340-4440 FAX: (214) 340-0205

CONSULTANT:  
 THE ALEX GROUP, LLC  
 13140 NORTH COTT ROAD - SUITE 230  
**TAG**  
 the alex group, llc  
 Professional & Consulting Engineers  
 2701 E. Trinity Mills Rd. Suite 108 Tel: 972.829.6400  
 Carrollton, Texas 75006 Fax: 972.829.6404  
 www.thealexgroup.net

CONSULTANT SEAL:  
 F-6580  
  
 Revisions: xx/xx/xxxx Issues: xxx

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

SHEET NAME:  
**LEVEL 1 PLAN - AREA "B" - POWER**

Job 1025202  
 Date 11-18-2022  
 Drawn  
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 Sheet **E2.02**  
 Of SHEETS

**GENERAL NOTES**

- A. REFER TO ARCHITECTURAL MILLWORK AND ELEVATION PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL WIRING DEVICES.
- B. ELECTRICAL CONTRACTOR TO REFER TO MANUFACTURER DRAWINGS OF ALL EQUIPMENT FOR EXACT LOCATION AND FOR THE PROVIDING AND INSTALLATION OF ALL DEVICES, RACEWAYS, WALL BOXES AND WIRING NOT SHOWN ON THIS DRAWING. VERIFY ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN.
- C. REFER TO STRUCTURAL DRAWINGS FOR CONDUIT RUNS UP IN JOIST AND SUSPENDING REQUIREMENTS.
- D. REFER TO MECHANICAL PLANS FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT.
- E. PROVIDE AND INSTALL J-BOX(ES) FOR FIRE/SMOKE AND SMOKE DAMPERS WHERE REQUIRED PER ARCHITECTURAL AND MECHANICAL PLANS. VERIFY EXACT LOCATION AND COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVIDING AND INSTALLATION OF ALL DEVICES, RACEWAYS, CIRCUIT BREAKERS, AND WIRING FOR A COMPLETE AND OPERATIONAL SYSTEM.

**LEGEND NOTES**

- 1 ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 3P/35A CIRCUIT BREAKER TO THE NEAREST MECHANICAL 480/277V DISTRIBUTION PANEL. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING PANEL. WIRE VIA 3#8, 1#10G, 3/4"C. VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ADDITIONAL CONNECTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- 2 ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 3P/20A CIRCUIT BREAKER TO THE NEAREST MECHANICAL 480/277V DISTRIBUTION PANEL. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING PANEL. WIRE VIA 3#10, 1#10G, 3/4"C. VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ADDITIONAL CONNECTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- 3 ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 1P/20A CIRCUIT BREAKER TO THE NEAREST EXISTING 208/120V PANEL. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING PANEL. WIRE VIA 2#12, 1#12G, 1/2"C. VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ADDITIONAL CONNECTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. FIELD VERIFY EXISTING PANEL LOCATION AND LOAD PRIOR TO BID.
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- 5 ELECTRICAL CONTRACTOR SHALL CONNECT TO THE NEAREST 120V RECEPTACLE CIRCUIT. VERIFY EXISTING CIRCUIT LOAD PER LATEST NEC PRIOR TO ANY ADDITIONAL LOAD. WIRE VIA 2#12, 1#12G, 1/2"C. VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ADDITIONAL CONNECTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. FIELD VERIFY EXISTING PANEL LOCATION AND LOAD PRIOR TO BID.

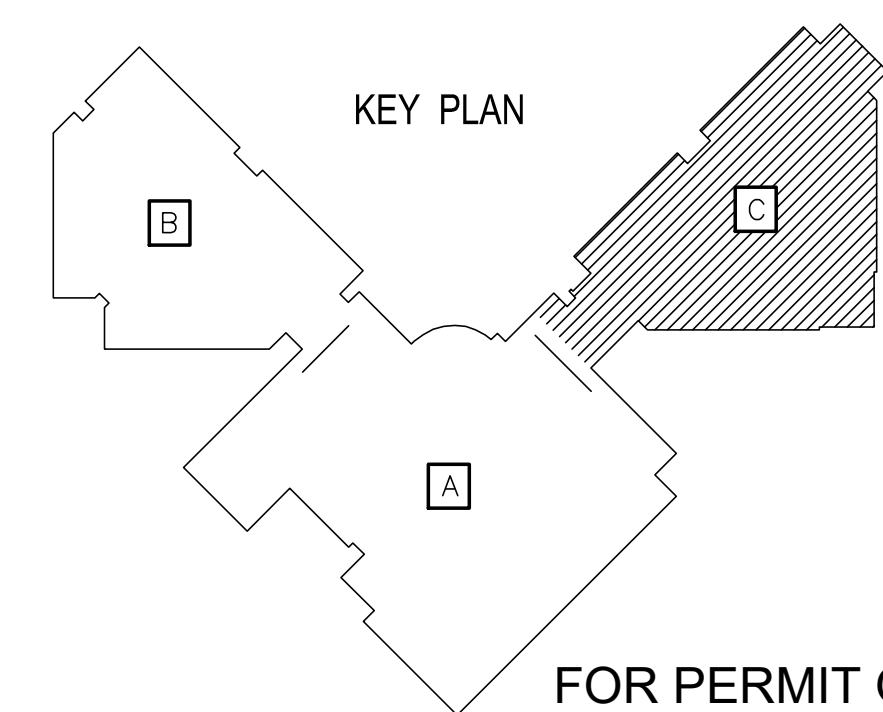


MATCH LINE



**LEVEL 1 PLAN - AREA "C" - POWER**

SCALE: 3/32" = 1'-0"



FOR PERMIT ONLY

OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
 ARCHITECTURE-ENGINEERING-CONSTRUCTION-INSPECTION  
 13140 NORTH COTT ROAD - SUITE 230  
 PH: (214) 340-4440 FAX: (214) 340-0205

CONSULTANT:  
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 PH: (214) 340-4440 FAX: (214) 340-0205

**TAG**  
 the alex group, llc  
 Professional & Consulting Engineers  
 2701 E. Trinity Mills Rd. Suite 108 Ft. Worth, TX 76106  
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 www.thealexgroup.net

CONSULTANT SEAL:  
 F-6580  
 STATE OF TEXAS  
 ALEX N. COLLET  
 08/18/23

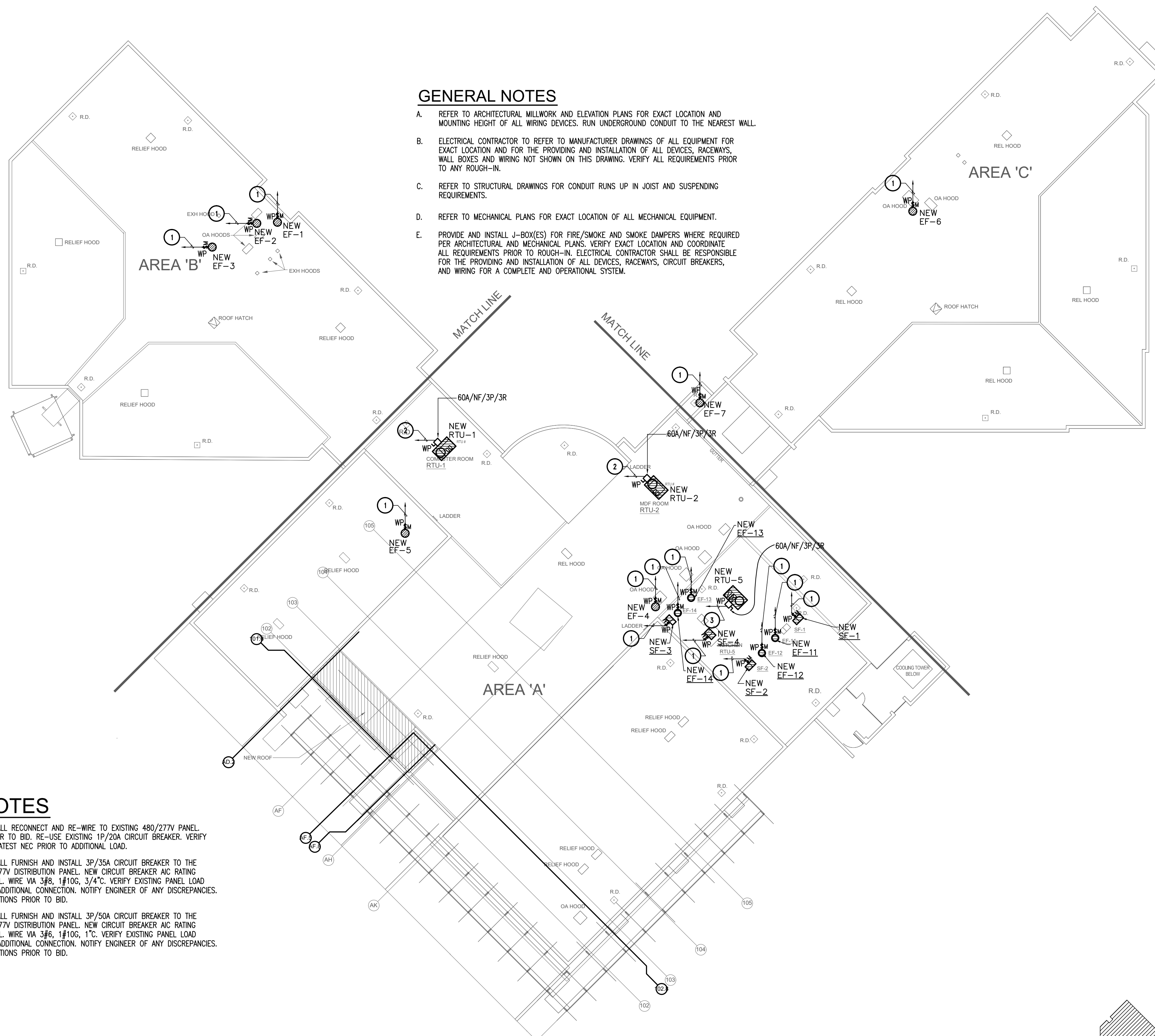
Revisions	Issues
△ xxx/xxxxxx	② xxx

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

**BOND2020**  
 FOR CHILDREN, OUR COMMUNITY, OUR FUTURE

SHEET NAME:  
**LEVEL 1 PLAN - AREA "C" - POWER**

Job	1025202
Date	11-18-2022
Drawn	
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Of	SHEETS

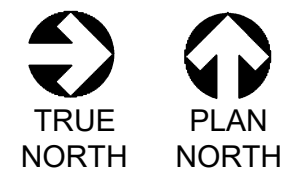


**GENERAL NOTES**

- A. REFER TO ARCHITECTURAL MILLWORK AND ELEVATION PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL WIRING DEVICES. RUN UNDERGROUND CONDUIT TO THE NEAREST WALL.
- B. ELECTRICAL CONTRACTOR TO REFER TO MANUFACTURER DRAWINGS OF ALL EQUIPMENT FOR EXACT LOCATION AND FOR THE PROVIDING AND INSTALLATION OF ALL DEVICES, RACEWAYS, WALL BOXES AND WIRING NOT SHOWN ON THIS DRAWING. VERIFY ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN.
- C. REFER TO STRUCTURAL DRAWINGS FOR CONDUIT RUNS UP IN JOIST AND SUSPENDING REQUIREMENTS.
- D. REFER TO MECHANICAL PLANS FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT.
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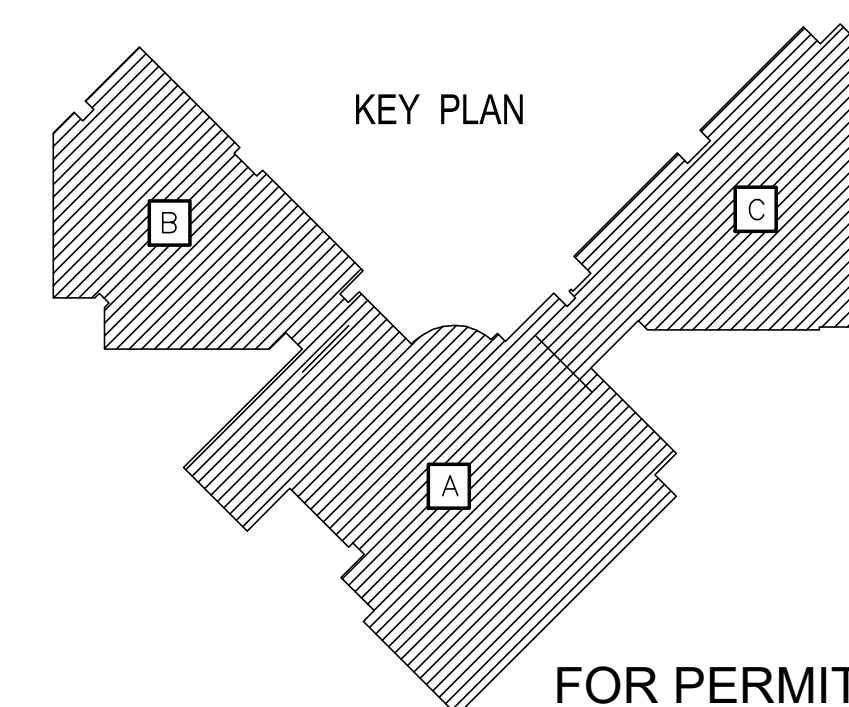
**LEGEND NOTES**

- ① ELECTRICAL CONTRACTOR SHALL RECONNECT AND RE-WIRE TO EXISTING 480/277V PANEL. VERIFY EXACT LOCATION PRIOR TO BID. RE-USE EXISTING 1P/20A CIRCUIT BREAKER. VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ADDITIONAL LOAD.
- ② ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 3P/35A CIRCUIT BREAKER TO THE NEAREST MECHANICAL 480/277V DISTRIBUTION PANEL. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING PANEL. WIRE VIA 3#8, 1#10G, 3/4". VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ADDITIONAL CONNECTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- ③ ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 3P/50A CIRCUIT BREAKER TO THE NEAREST MECHANICAL 480/277V DISTRIBUTION PANEL. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING PANEL. WIRE VIA 3#6, 1#10G, 1". VERIFY EXISTING PANEL LOAD PER LATEST NEC PRIOR TO ADDITIONAL CONNECTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.



**ROOF PLAN - ELECTRICAL**

SCALE: 3/64" = 1'-0"



OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
 ARCHITECTURE-ENGINEERING-CONSTRUCTION-INSPECTION  
 13140 NORTH COTT ROAD - SUITE 230  
 DALLAS, TEXAS 75244  
 PH: (214) 340-4440 FAX: (214) 340-0205

CONSULTANT:  
 THE ALEX GROUP, LLC  
 13140 NORTH COTT ROAD - SUITE 230  
**TAG**  
 the alex group, llc  
 Professional & Consulting Engineers  
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 Carrollton, Texas 75006 Fax: 972.820.6404  
 www.thealexgroup.net

CONSULTANT SEAL:  
 F-6580  
 STATE OF TEXAS  
 ALEX N. GOLLET  
 8079  
 08/18/23

Revisions	Issues
△ xx/xx/xxxx	② xxx

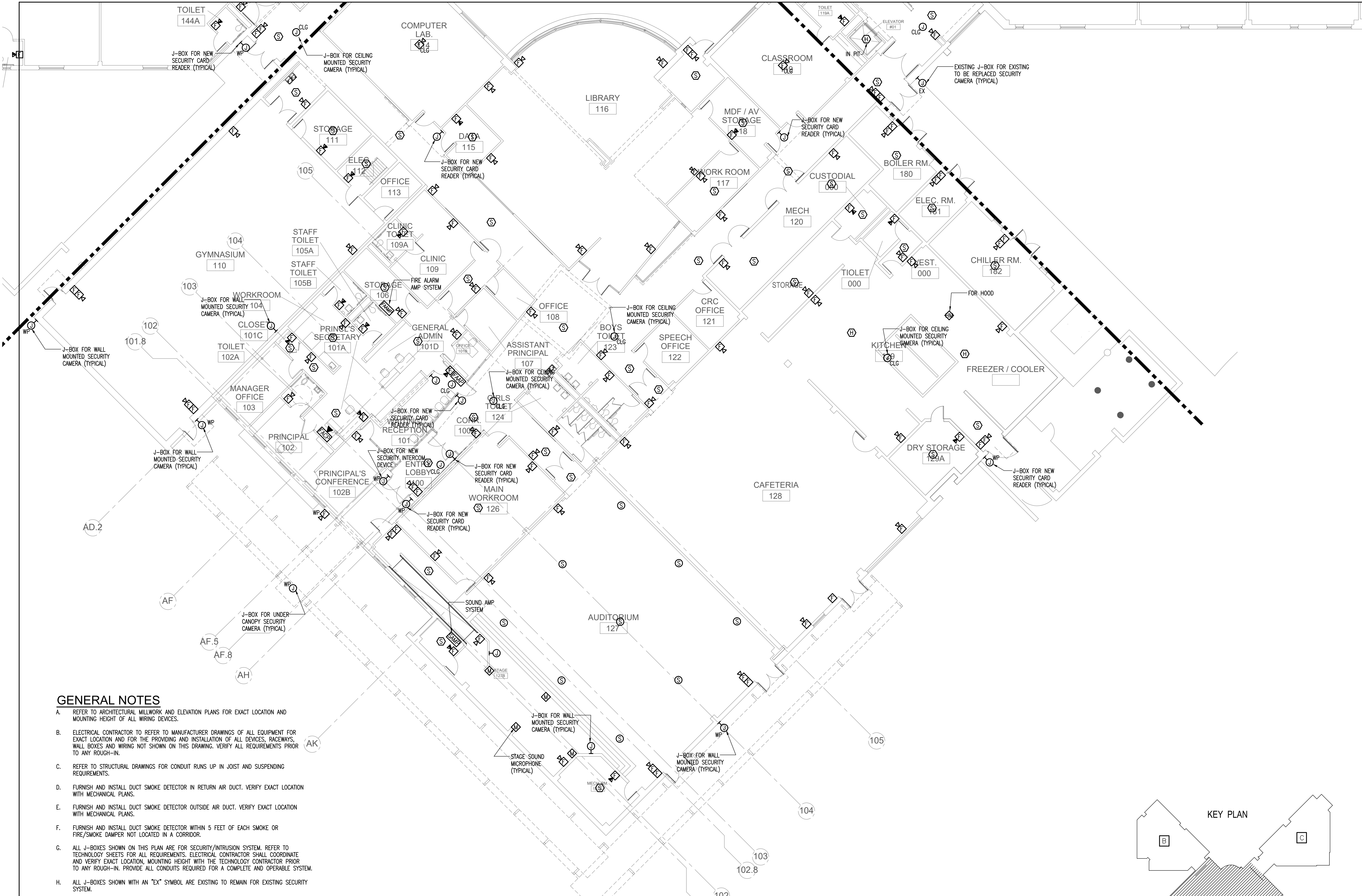
DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.



SHEET NAME:  
**ROOF PLAN - ELECTRICAL**

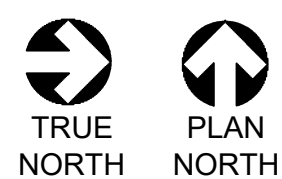
Job 1025202  
 Date 11-18-2022  
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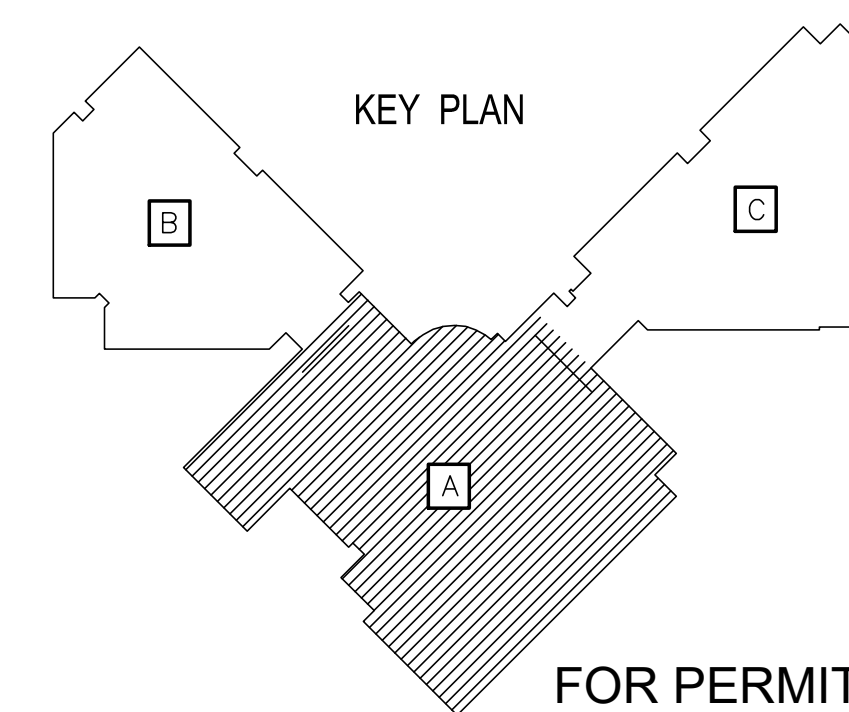
**GENERAL NOTES**

- A. REFER TO ARCHITECTURAL MILLWORK AND ELEVATION PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL WIRING DEVICES.
- B. ELECTRICAL CONTRACTOR TO REFER TO MANUFACTURER DRAWINGS OF ALL EQUIPMENT FOR EXACT LOCATION AND FOR THE PROVIDING AND INSTALLATION OF ALL DEVICES, RACEWAYS, WALL BOXES AND WIRING NOT SHOWN ON THIS DRAWING. VERIFY ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN.
- C. REFER TO STRUCTURAL DRAWINGS FOR CONDUIT RUNS UP IN JOIST AND SUSPENDING REQUIREMENTS.
- D. FURNISH AND INSTALL DUCT SMOKE DETECTOR IN RETURN AIR DUCT. VERIFY EXACT LOCATION WITH MECHANICAL PLANS.
- E. FURNISH AND INSTALL DUCT SMOKE DETECTOR OUTSIDE AIR DUCT. VERIFY EXACT LOCATION WITH MECHANICAL PLANS.
- F. FURNISH AND INSTALL DUCT SMOKE DETECTOR WITHIN 5 FEET OF EACH SMOKE OR FIRE/SMOKE DAMPER NOT LOCATED IN A CORRIDOR.
- G. ALL J-BOXES SHOWN ON THIS PLAN ARE FOR SECURITY/INTRUSION SYSTEM. REFER TO TECHNOLOGY SHEETS FOR ALL REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL COORDINATE AND VERIFY EXACT LOCATION, MOUNTING HEIGHT WITH THE TECHNOLOGY CONTRACTOR PRIOR TO ANY ROUGH-IN. PROVIDE ALL CONDUITS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- H. ALL J-BOXES SHOWN WITH AN "EX" SYMBOL ARE EXISTING TO REMAIN FOR EXISTING SECURITY SYSTEM.
- I. FIRE ALARM SYSTEM SHALL SHUNT THE AUDITORIUM SOUND SYSTEM WHEN FIRE ALARM IS ACTIVATED.
- J. FIRE ALARM SYSTEM SHOWN IS FOR REFERENCE ONLY. ELECTRICAL CONTRACTOR SHALL PROVIDE FIRE ALARM PLANS AND CALCULATIONS PER LATEST CODES TO THE LOCAL AUTHORITIES HAVING JURISDICTION IN ORDER TO OBTAIN APPROVAL PRIOR TO ANY INSTALLATION.
- K. SOUND SYSTEM SHOWN IS FOR REFERENCE ONLY. ELECTRICAL CONTRACTOR SHALL VERIFY AND COORDINATE ALL SOUND SYSTEM REQUIREMENTS WITH OWNER REPRESENTATIVE PRIOR TO BID. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL EQUIPMENT DEVICES AND CABLING FOR A COMPLETE



**LEVEL 1 PLAN - AREA "A" - SPECIAL SYSTEMS**

SCALE: 3/32" = 1'-0"



FOR PERMIT ONLY

OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
 ARCHITECTURE-ENGINEERING-CONSTRUCTION-INSPECTIONS  
 13140 NORTH COIT ROAD - SUITE 230  
 CAROLINA, TEXAS 75006  
 PH: (214) 340-4440 FAX: (214) 340-0205

CONSULTANT:  
 THE ALEX GROUP, LLC  
 13140 NORTH COIT ROAD - SUITE 230  
**TAG**  
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 Professional & Consulting Engineers  
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 Carrollton, Texas 75006 Fax: 972.829.6404  
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CONSULTANT SEAL:  
 F-6580  
 STATE OF TEXAS  
 ALEX G. COLLET  
 08/18/23

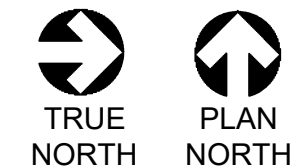
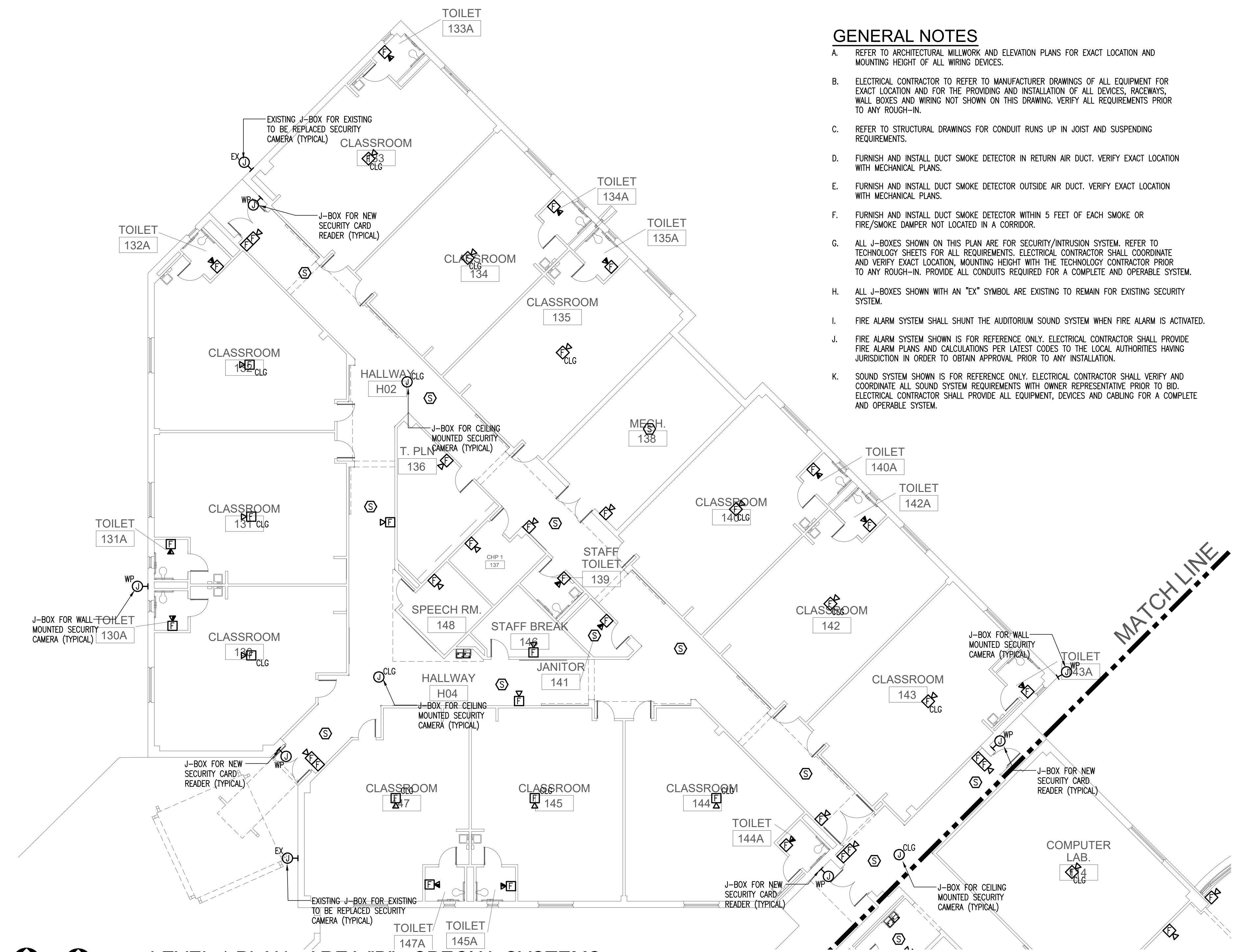
Revisions	Issues
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DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

**BOND2020**  
 OUR CHILDREN. OUR COMMUNITY. OUR FUTURE.

SHEET NAME:  
**LEVEL 1 PLAN - AREA "A" - SPECIAL SYSTEMS**

Job	1025202
Date	11-18-2022
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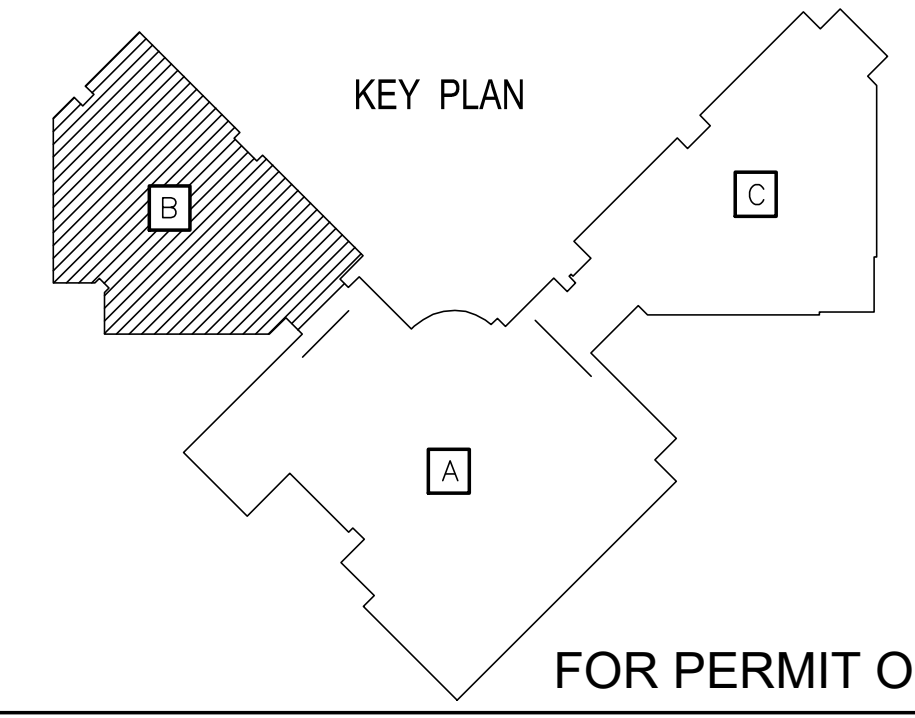
**LEVEL 1 PLAN - AREA "B" - SPECIAL SYSTEMS**

SCALE: 3/32" = 1'-0"

**GENERAL NOTES**

- A. REFER TO ARCHITECTURAL MILLWORK AND ELEVATION PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL WIRING DEVICES.
- B. ELECTRICAL CONTRACTOR TO REFER TO MANUFACTURER DRAWINGS OF ALL EQUIPMENT FOR EXACT LOCATION AND FOR THE PROVIDING AND INSTALLATION OF ALL DEVICES, RACEWAYS, WALL BOXES AND WIRING NOT SHOWN ON THIS DRAWING. VERIFY ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN.
- C. REFER TO STRUCTURAL DRAWINGS FOR CONDUIT RUNS UP IN JOIST AND SUSPENDING REQUIREMENTS.
- D. FURNISH AND INSTALL DUCT SMOKE DETECTOR IN RETURN AIR DUCT. VERIFY EXACT LOCATION WITH MECHANICAL PLANS.
- E. FURNISH AND INSTALL DUCT SMOKE DETECTOR OUTSIDE AIR DUCT. VERIFY EXACT LOCATION WITH MECHANICAL PLANS.
- F. FURNISH AND INSTALL DUCT SMOKE DETECTOR WITHIN 5 FEET OF EACH SMOKE OR FIRE/SMOKE DAMPER NOT LOCATED IN A CORRIDOR.
- G. ALL J-BOXES SHOWN ON THIS PLAN ARE FOR SECURITY/INTRUSION SYSTEM. REFER TO TECHNOLOGY SHEETS FOR ALL REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL COORDINATE AND VERIFY EXACT LOCATION, MOUNTING HEIGHT WITH THE TECHNOLOGY CONTRACTOR PRIOR TO ANY ROUGH-IN. PROVIDE ALL CONDUITS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
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**MATCHLINE**



OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
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 THE ALEX GROUP, LLC  
 2701 E. HINNEY MILL RD. SUITE 108  
 CARROLLTON, TEXAS 75006  
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 WWW.THEALEXGROUP.COM

**TAG**  
 the alex group, llc  
 Professional & Consulting Engineers

CONSULTANT SEAL:  
 F-6580  
 STATE OF TEXAS  
 ALEX N. COLLET  
 8076  
 08/18/23

Revisions	Issues
△ xxx/xx/xxxx	② xxx

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

**BOND2020**  
 OUR CHILDREN. OUR COMMUNITY. OUR FUTURE.

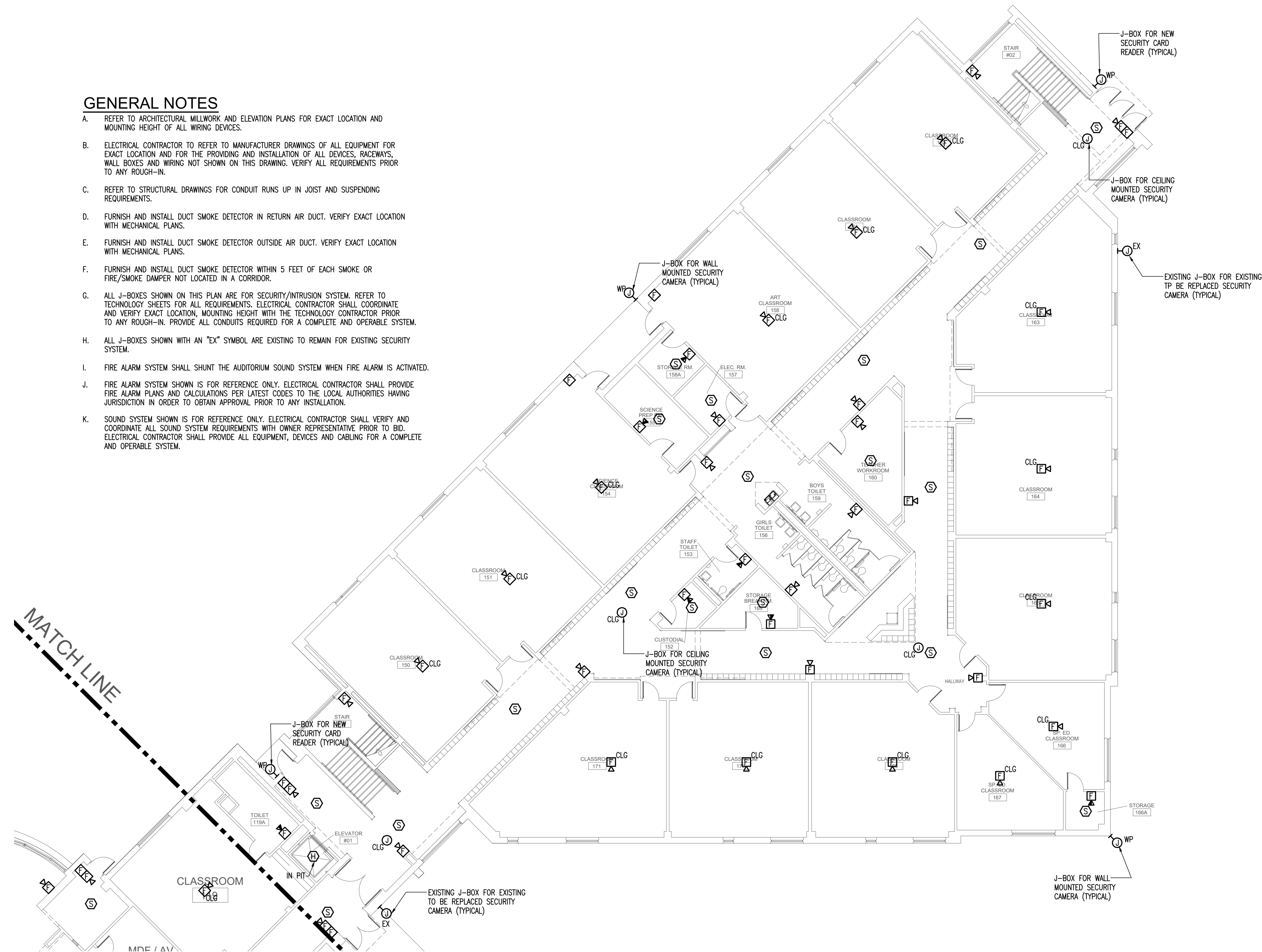
SHEET NAME:  
**LEVEL 1 PLAN - AREA "B" - SPECIAL SYSTEMS**

Job 1025202  
 Date 11-18-2022  
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 Check  
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 Sheet **E3.02**  
 Of SHEETS

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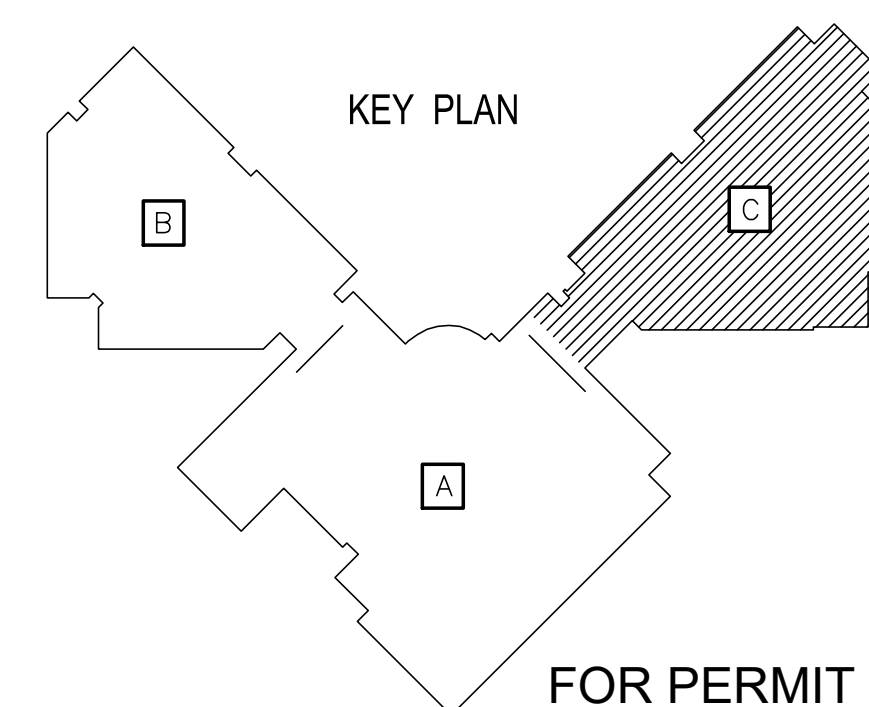
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- H. ALL J-BOXES SHOWN WITH AN "EX" SYMBOL ARE EXISTING TO REMAIN FOR EXISTING SECURITY SYSTEM.
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**LEVEL 1 PLAN - AREA "C" - SPECIAL SYSTEMS**

SCALE: 3/32" = 1'-0"



OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
**E. EVANS ASSOCIATES, INC.**  
 ARCHITECTURE-ENGINEERING-CONSTRUCTION-INSPECTIONS  
 13140 NORTH COTT ROAD - SUITE 230  
 CARROLLTON, TEXAS 75006  
 WWW.EVAAS.COM  
 PH: (214) 340-4440  
 FAX: (214) 340-0205

CONSULTANT:  
 THE ALEX GROUP, LLC  
 13140 NORTH COTT ROAD - SUITE 230  
**TAG**  
 the alex group, llc  
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 2701 E. HINNEY MILL RD. SUITE 108 TEL: 972.820.6400  
 CARROLLTON, TEXAS 75006 FAX: 972.820.6404  
 WWW.ALEXGROUP.COM

CONSULTANT SEAL:  
 F-6580  
 STATE OF TEXAS  
 ALEX G. COLLET  
 8079  
 08/18/23

Revisions	Issues
△ xxx/xx/xxxx	○ 2 xxx

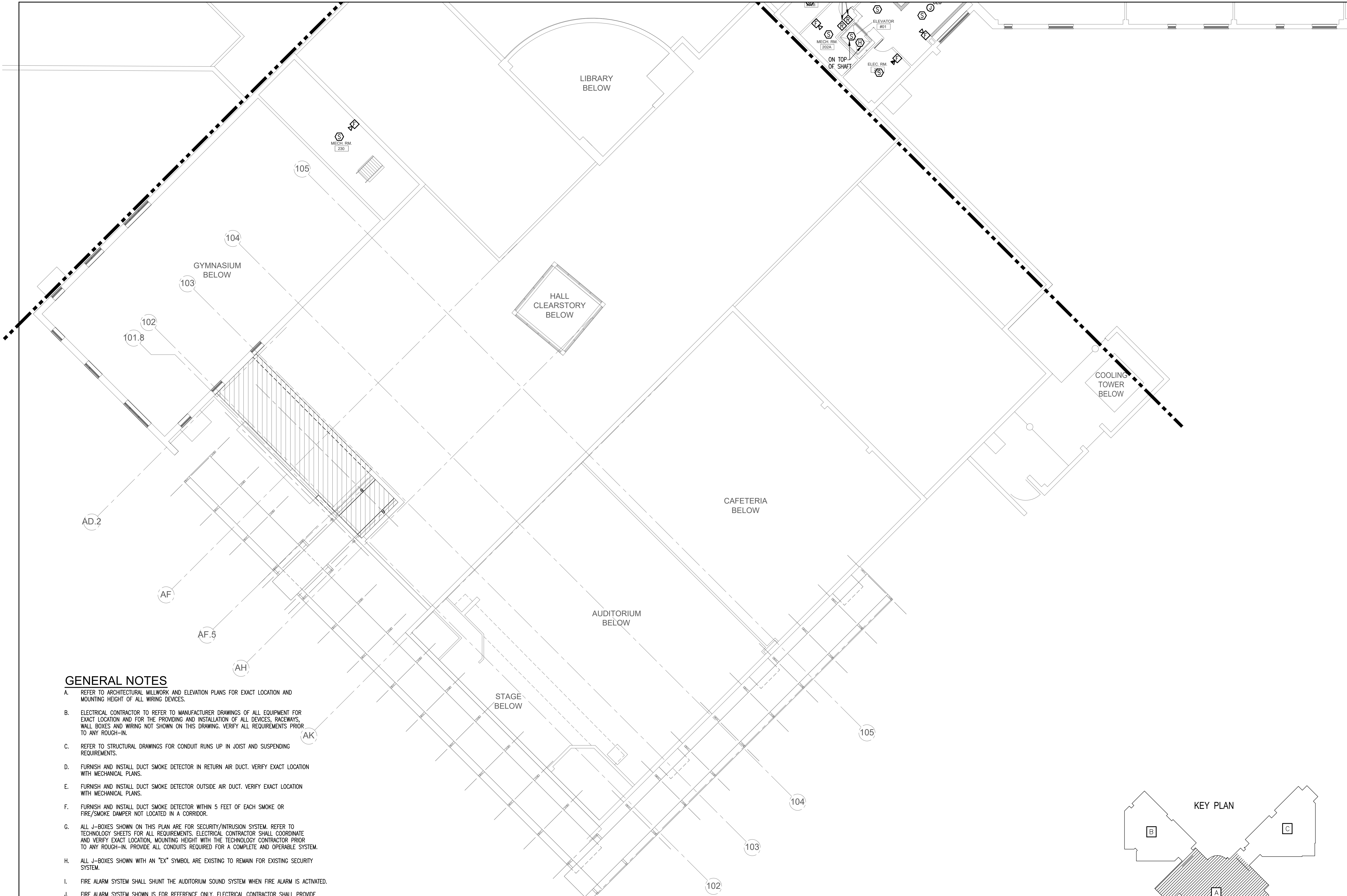
DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.



SHEET NAME:  
**LEVEL 1 PLAN - AREA "C" - SPECIAL SYSTEMS**

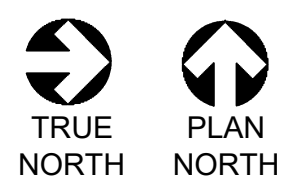
Job 1025202  
 Date 11-18-2022  
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 Sheet **E3.03**  
 Of SHEETS

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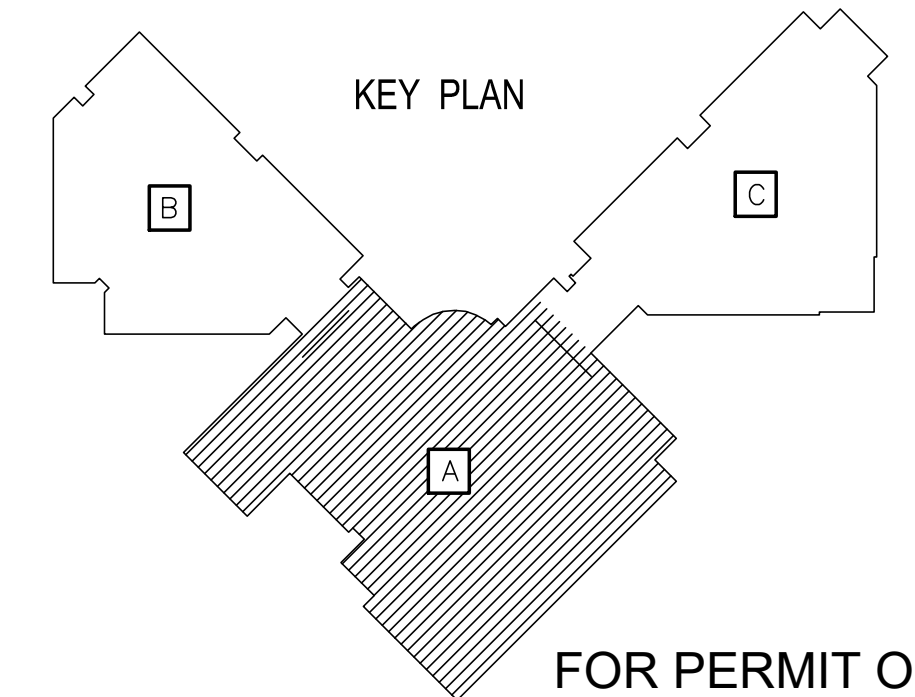
**GENERAL NOTES**

- A. REFER TO ARCHITECTURAL MILLWORK AND ELEVATION PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL WIRING DEVICES.
- B. ELECTRICAL CONTRACTOR TO REFER TO MANUFACTURER DRAWINGS OF ALL EQUIPMENT FOR EXACT LOCATION AND FOR THE PROVIDING AND INSTALLATION OF ALL DEVICES, RACEWAYS, WALL BOXES AND WIRING NOT SHOWN ON THIS DRAWING. VERIFY ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN.
- C. REFER TO STRUCTURAL DRAWINGS FOR CONDUIT RUNS UP IN JOIST AND SUSPENDING REQUIREMENTS.
- D. FURNISH AND INSTALL DUCT SMOKE DETECTOR IN RETURN AIR DUCT. VERIFY EXACT LOCATION WITH MECHANICAL PLANS.
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**LEVEL 2 PLAN - AREA "A" - SPECIAL SYSTEMS**

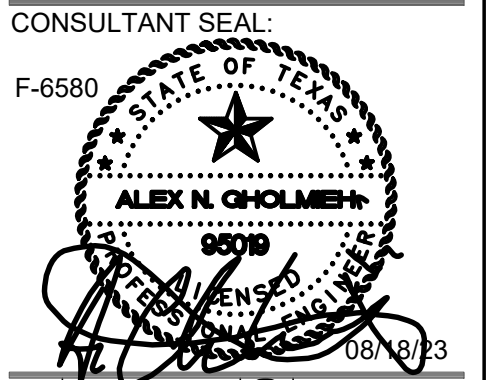
SCALE: 3/32" = 1'-0"



OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
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 CARROLLTON, TEXAS 75006  
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CONSULTANT:  
 THE ALEX GROUP, LLC  
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 Professional & Consulting Engineers  
 2701 E. Trinity Mills Rd, Suite 108 Tel: 972.829.6400  
 Carrollton, Texas 75006 Fax: 972.829.9484  
 www.thealexgroup.net



CONSULTANT SEAL:  
 F-6580

Revisions	Issues
△ xx/xx/xxxx	② xxx

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**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.



SHEET NAME:  
**LEVEL 2 PLAN - AREA "A" - SPECIAL SYSTEMS**

Job 1025202  
 Date 11-18-2022  
 Drawn  
 Check  
 PRF  
 Sheet **E3.04**  
 Of SHEETS

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**GENERAL NOTES**

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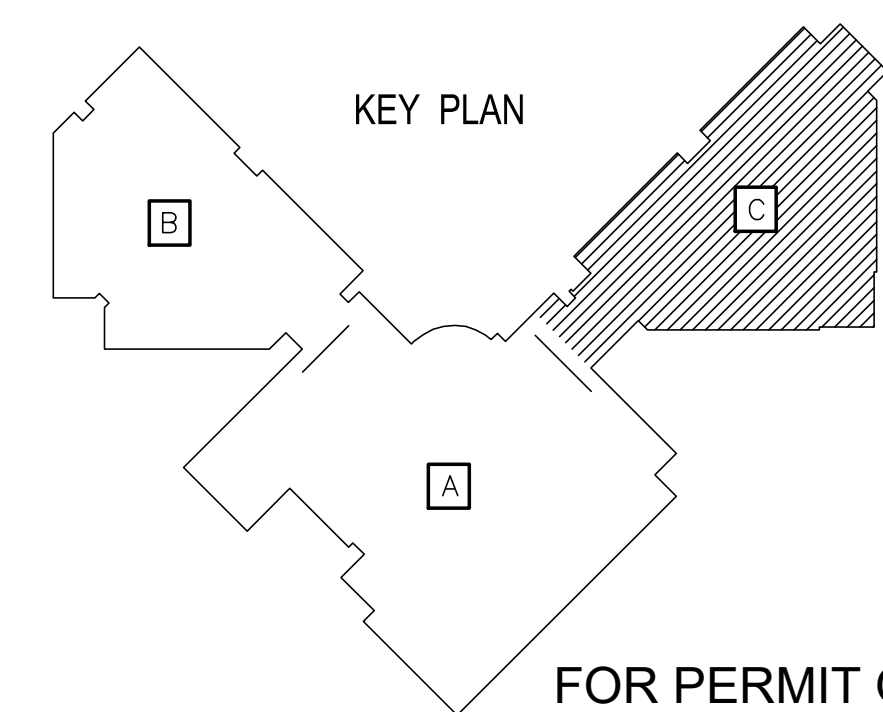


MATCH LINE



**LEVEL 2 PLAN - AREA "C" - SPECIAL SYSTEMS**

SCALE: 3/32" = 1'-0"



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OWNER:  
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 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
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 13140 NORTH COTT ROAD - SUITE 230  
 DALLAS, TEXAS 75244  
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 THE ALEX GROUP, LLC  
 TEXAS REGISTERED ELECTRICAL ENGINEER LICENSE #10001  
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 the alex group, llc  
 Professional & Consulting Engineers  
 2701 E. Trinity Mills Rd. Suite 108 Tel: 972.820.6400  
 Carrollton, Texas 75006 Fax: 972.820.6404  
 www.thealexgroup.net

CONSULTANT SEAL:  
 F-6580  
  
 Revisions: 

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 Issues: 

○	xxx
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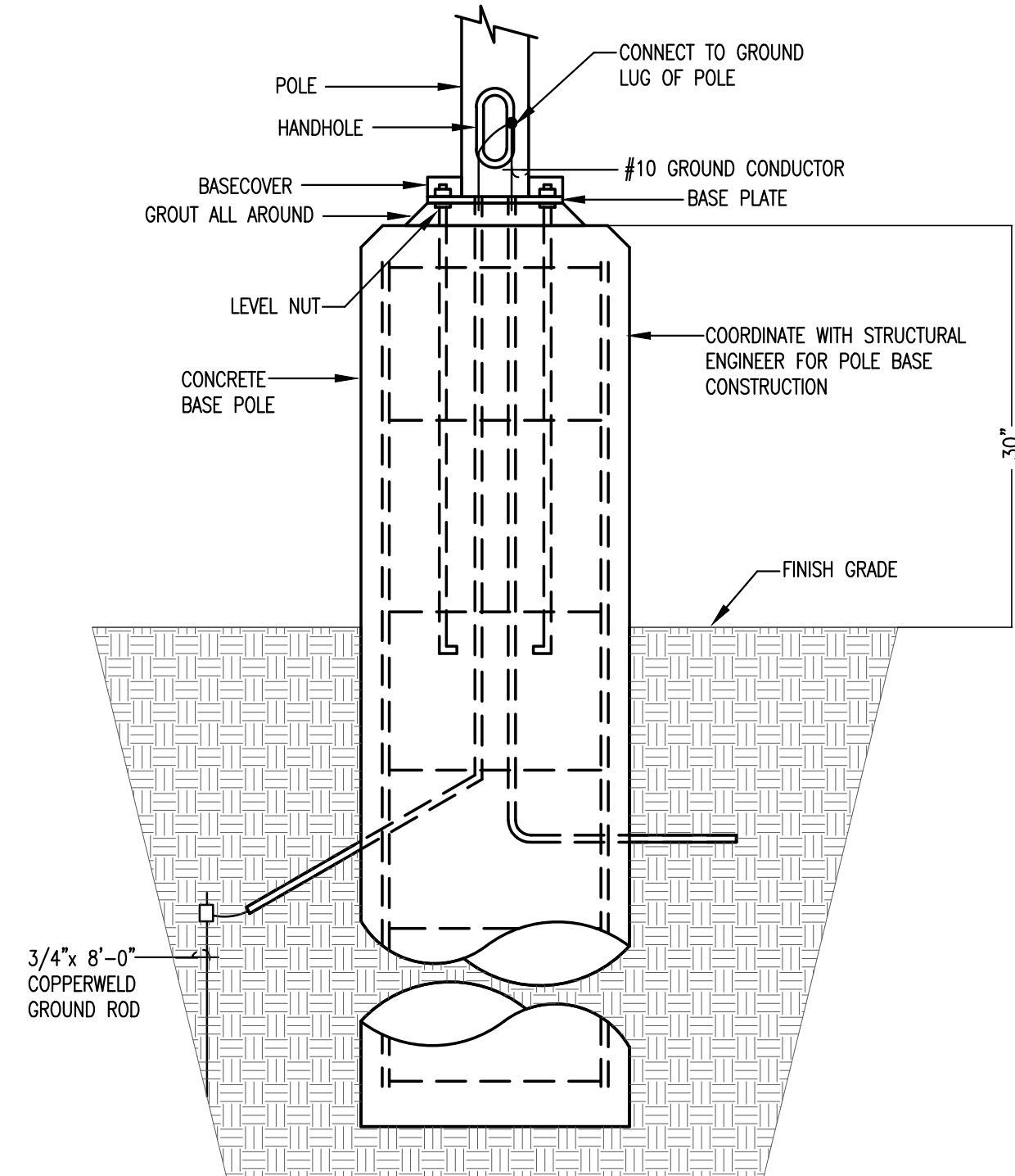
DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

SHEET NAME:  
**LEVEL 2 PLAN - AREA "C" - SPECIAL SYSTEMS**

Job 1025202  
 Date 11-18-2022  
 Drawn  
 Check  
 PRF  
 Sheet **E3.05**  
 Of SHEETS



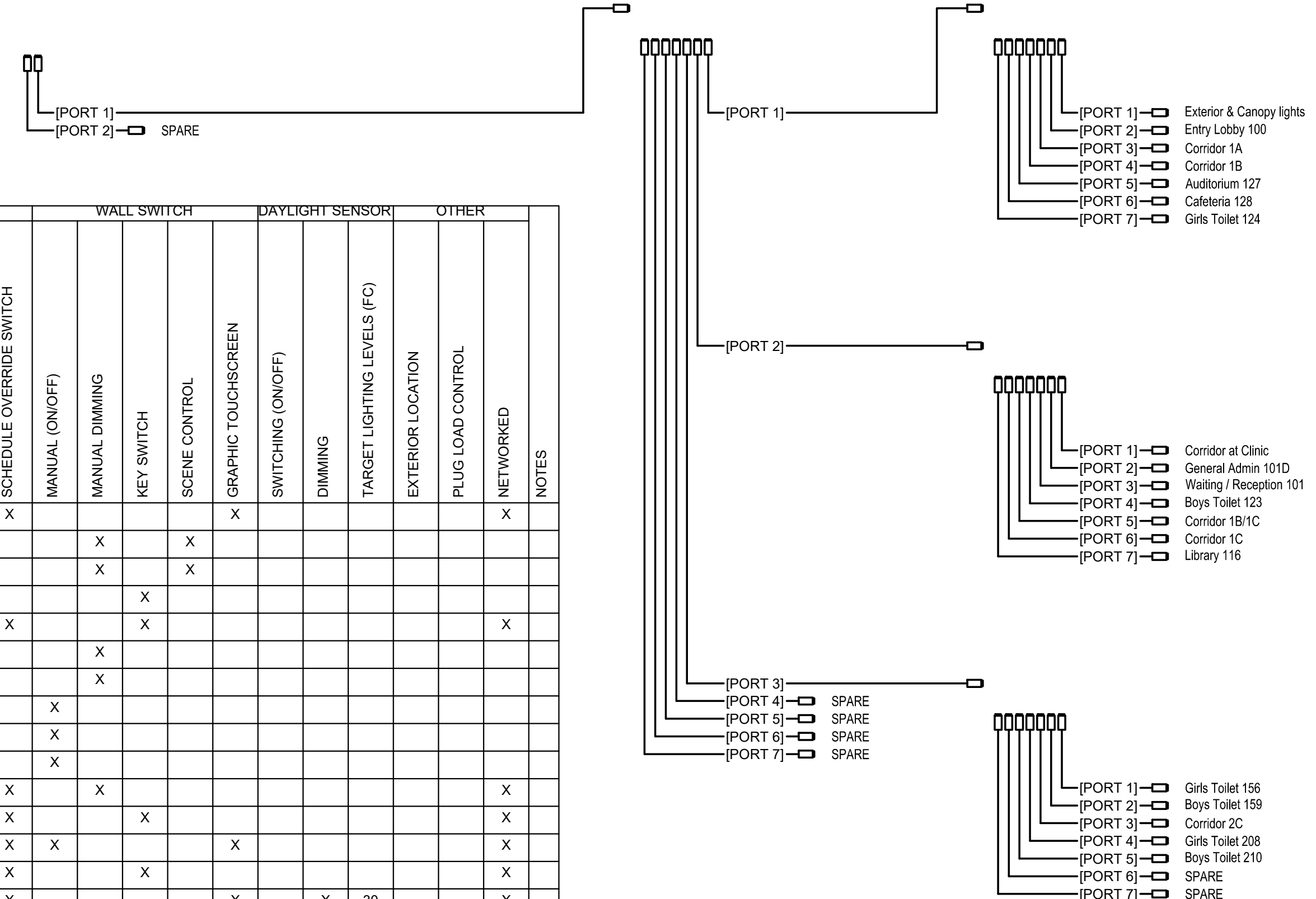




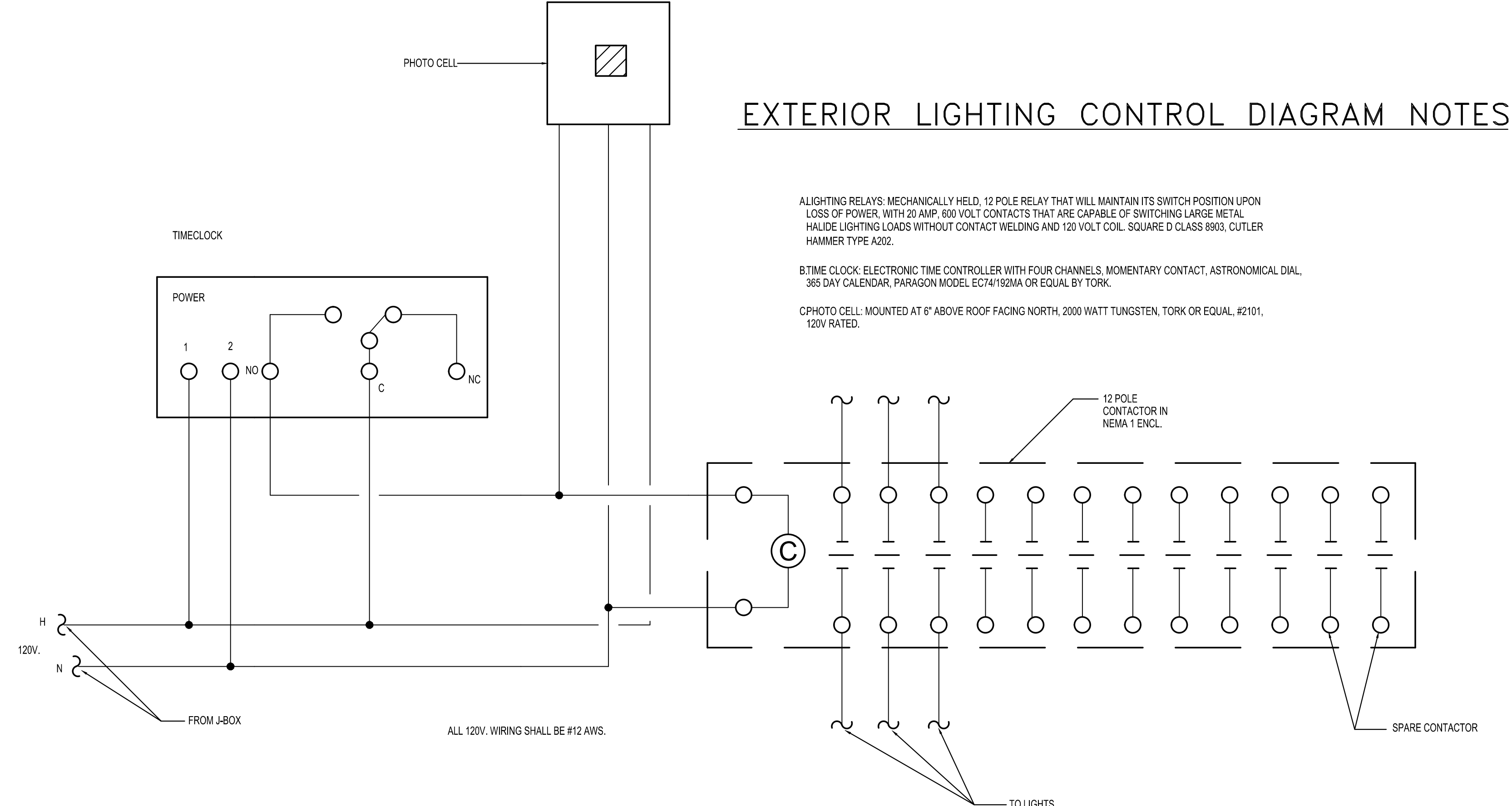
**03** PARKING LOT LIGHT POLE BASE DETAIL  
NO SCALE

SOO	OCCUPANCY SENSOR		TIME CLOCK		WALL SWITCH		DAYLIGHT SENSOR		OTHER		NOTES								
	VACANCY MODE (MANUAL ON)	OCCUPANCY MODE (AUTO ON)	SENSOR TIME OUT PERIOD (MINUTES)	DUAL TECHNOLOGY	SCHEDULE ON TIME	SCHEDULE OFF TIME	SCHEDULE OVERRIDE SWITCH	MANUAL (ON/OFF)	MANUAL DIMMING	KEY SWITCH		SCENE CONTROL	GRAPHIC TOUCHSCREEN	SWITCHING (ON/OFF)	DIMMING	TARGET LIGHTING LEVELS (FC)	EXTERIOR LOCATION	PLUG LOAD CONTROL	NETWORKED
A	Library	X		10 X	8:00 AM	6:00 PM	X					X							X
B	Computer Lab	X		10 X					X		X								
C	Classroom	X		10 X					X		X								
D	Gymnasium	X		10						X									
E	Corridor				8:00 AM	6:00 PM	X			X									X
F	Clinic	X		10 X					X										
G	Workroom	X		10 X					X										
H	Private Toilet	X		10 X					X										
I	Storage	X		10 X					X										
J	Office	X		10 X					X										
K	General Admin	X		10 X	8:00 AM	6:00 PM	X		X										X
L	Entry Lobby				8:00 AM	6:00 PM	X			X									X
M	Auditorium	X		10 X	8:00 AM	6:00 PM	X X				X								X
N	Toilet	X		10 X	8:00 AM	6:00 PM	X		X										X
O	Cafeteria	X		10 X	8:00 AM	6:00 PM	X				X		X	30					X

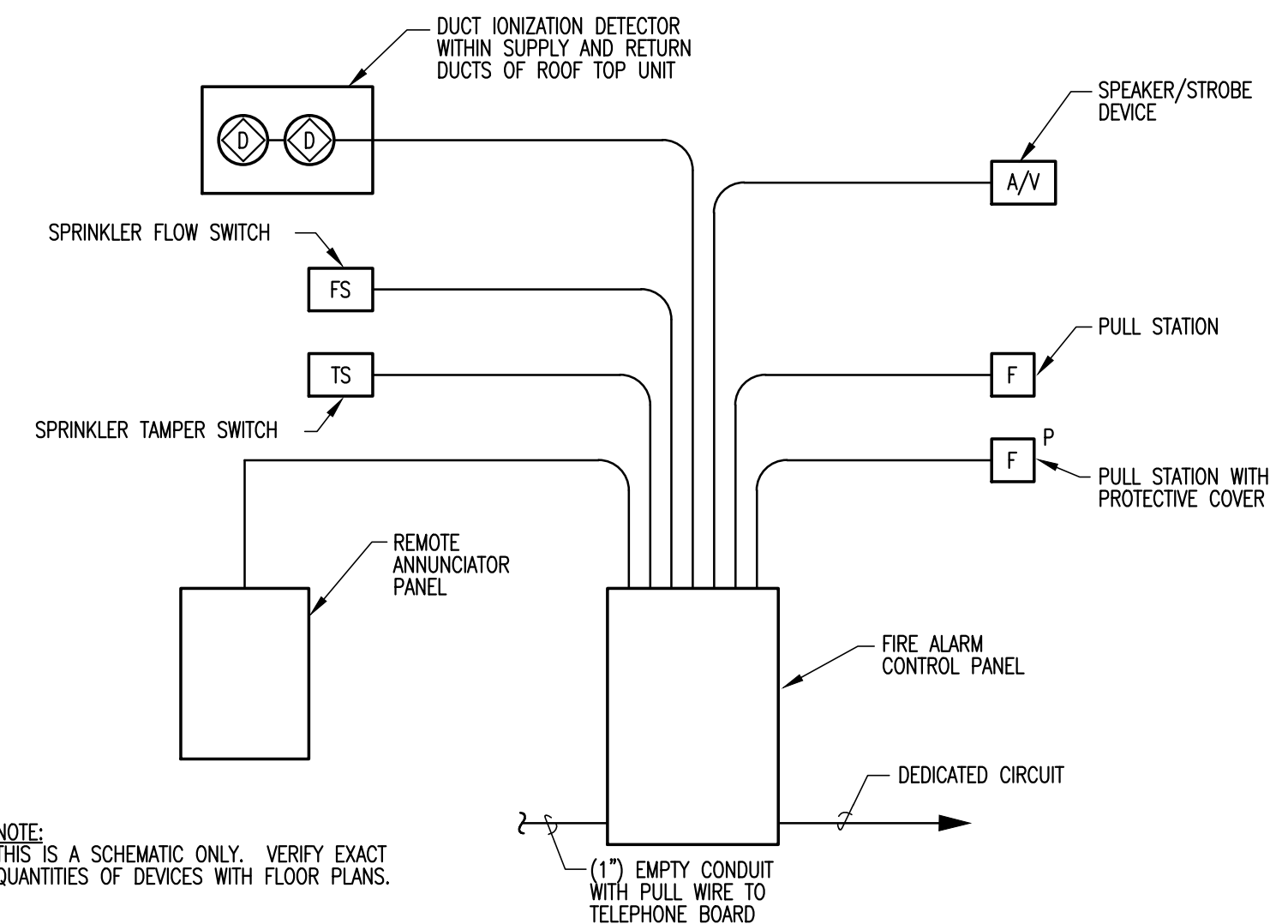
**01** NETWORK NECY1 (SC1) RISER DIAGRAM  
NO SCALE



**EXTERIOR LIGHTING CONTROL DIAGRAM NOTES**



**02** EXTERIOR LIGHTING CONTROL DIAGRAM  
NO SCALE



**04** FIRE ALARM RISER DIAGRAM  
NO SCALE

OWNER: **DALLAS**  
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9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
DALLAS TEXAS 75231

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CARROLLTON, TX 75006  
PH: (214) 340-4440 FAX: (214) 340-0205

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CONSULTING ENGINEERS  
**TAG**  
the alex group, llc  
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CONSULTANT SEAL:  
F-6580 **ALEX N. COLLET**  
Professional Engineer  
09/18/23

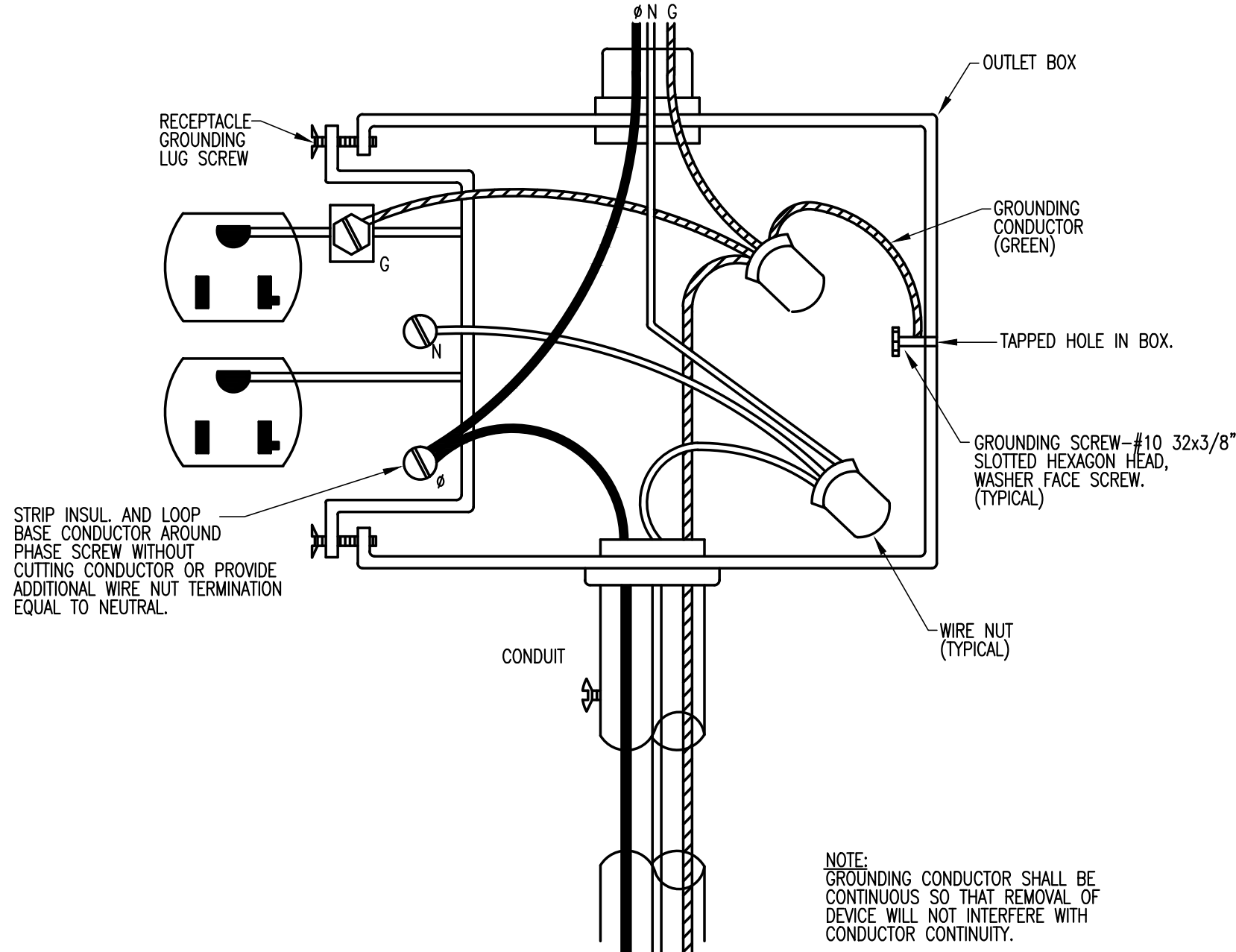
Revisions: [ ] Issues: [ ]  
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

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**MARY MCLEOD BETHUNE**  
ELEMENTARY SCHOOL RENOVATIONS  
1665 DUNCANVILLE ROAD - DALLAS, TX.

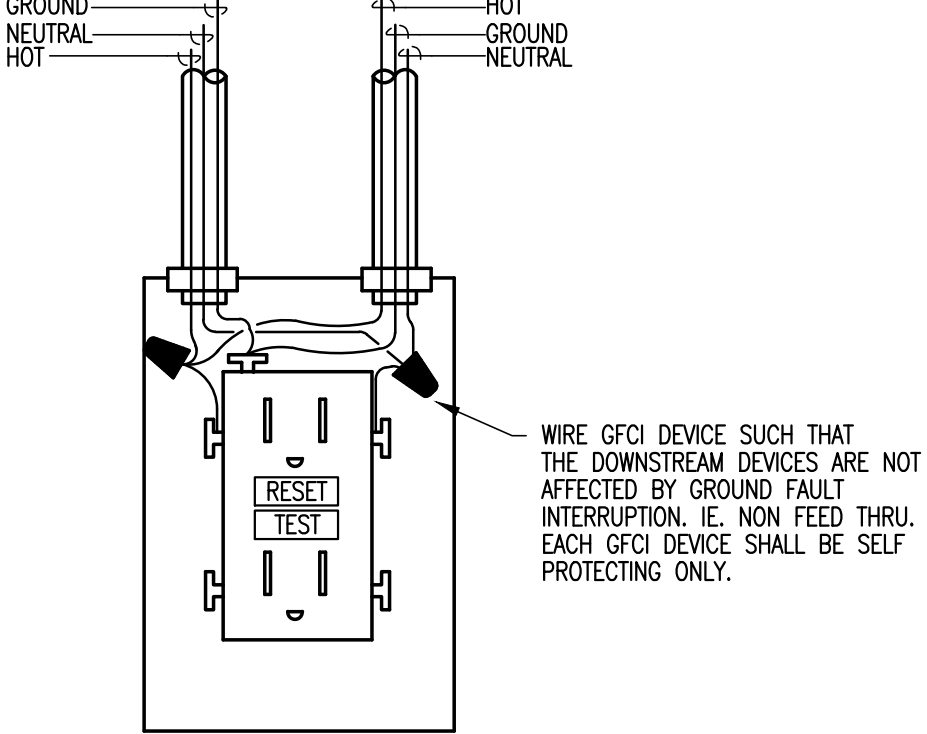
SHEET NAME: **ELECTRICAL DETAILS**

Job: 1025202  
Date: 11-18-2022  
Drawn: [ ]  
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Sheet: **E5.01**  
Of: SHEETS

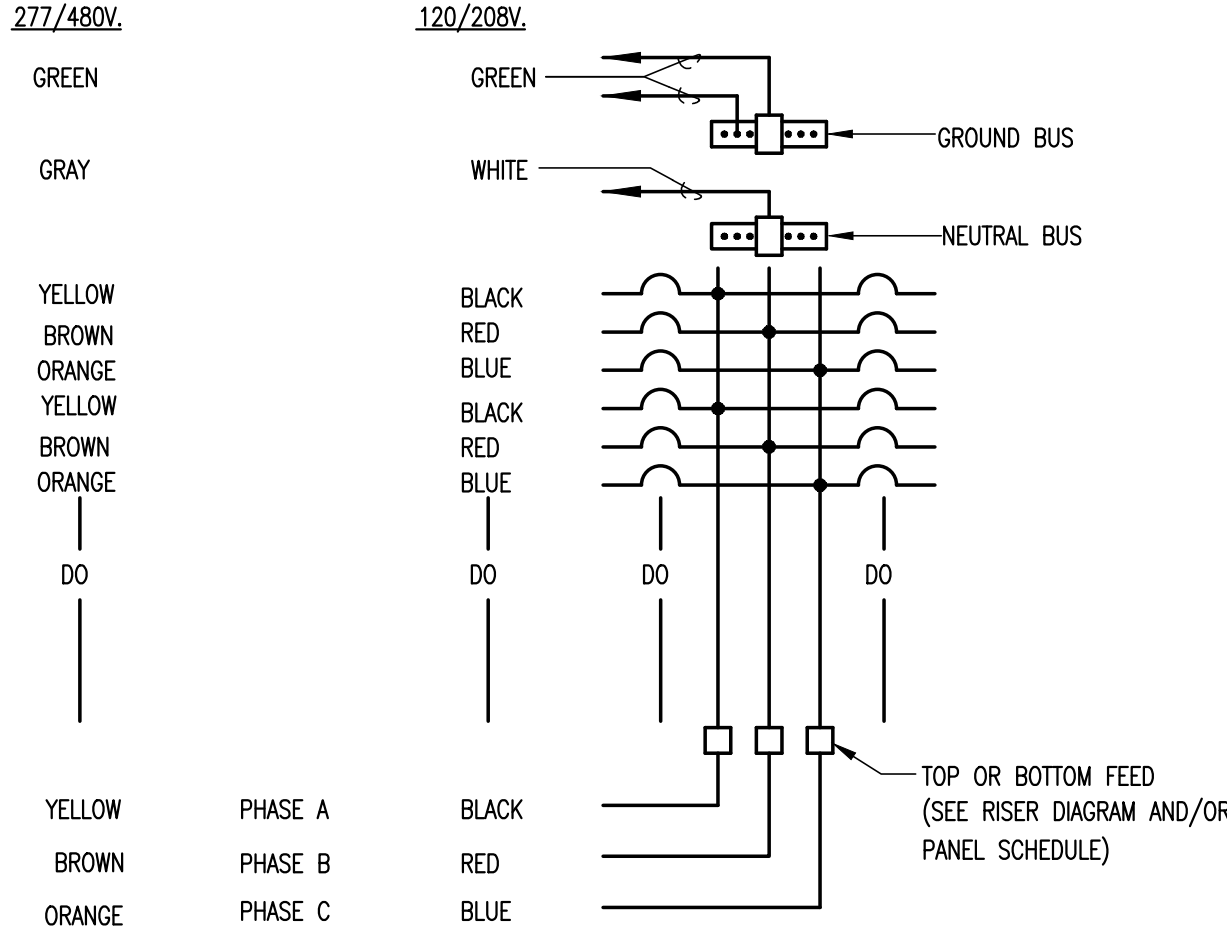
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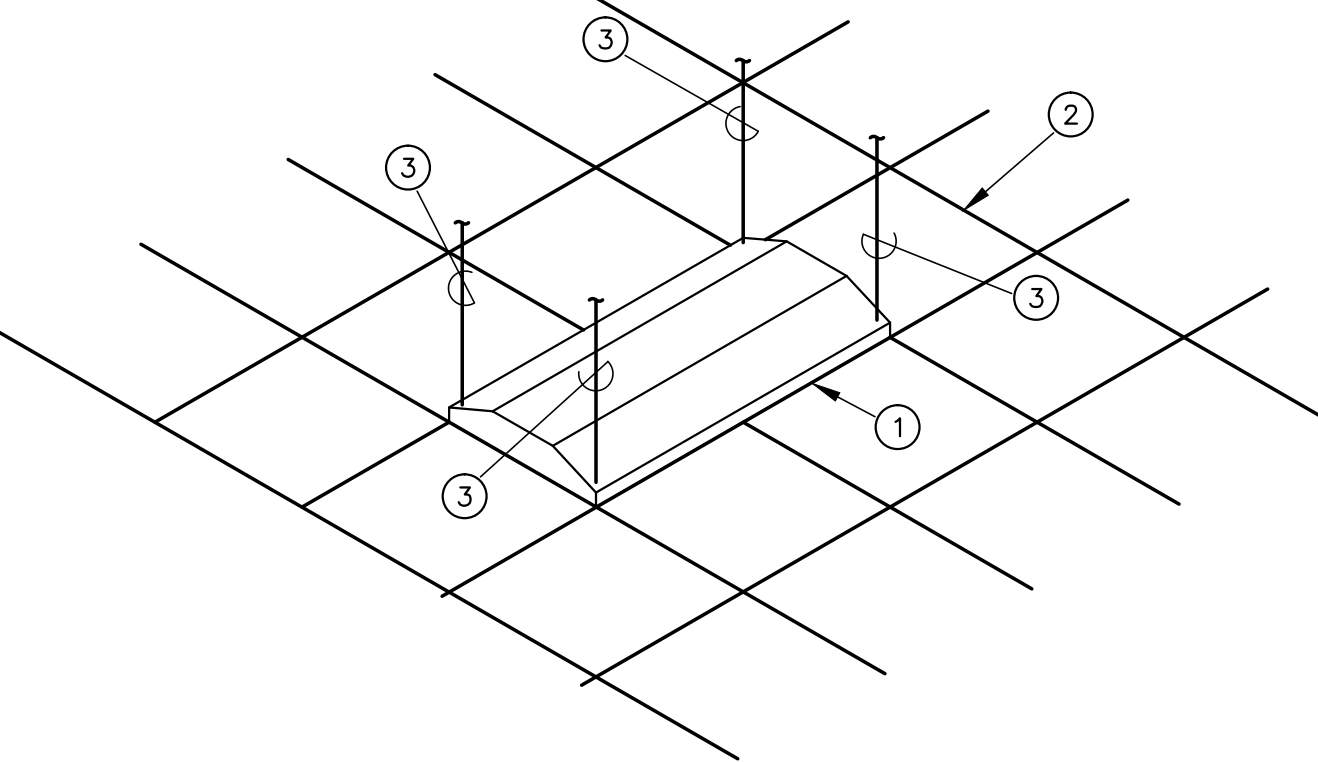
**05** TYPICAL RECEPTACLE GROUNDING DETAIL  
NO SCALE



**03** GFCI RECEPTACLE - WIRING DIAGRAM  
NO SCALE

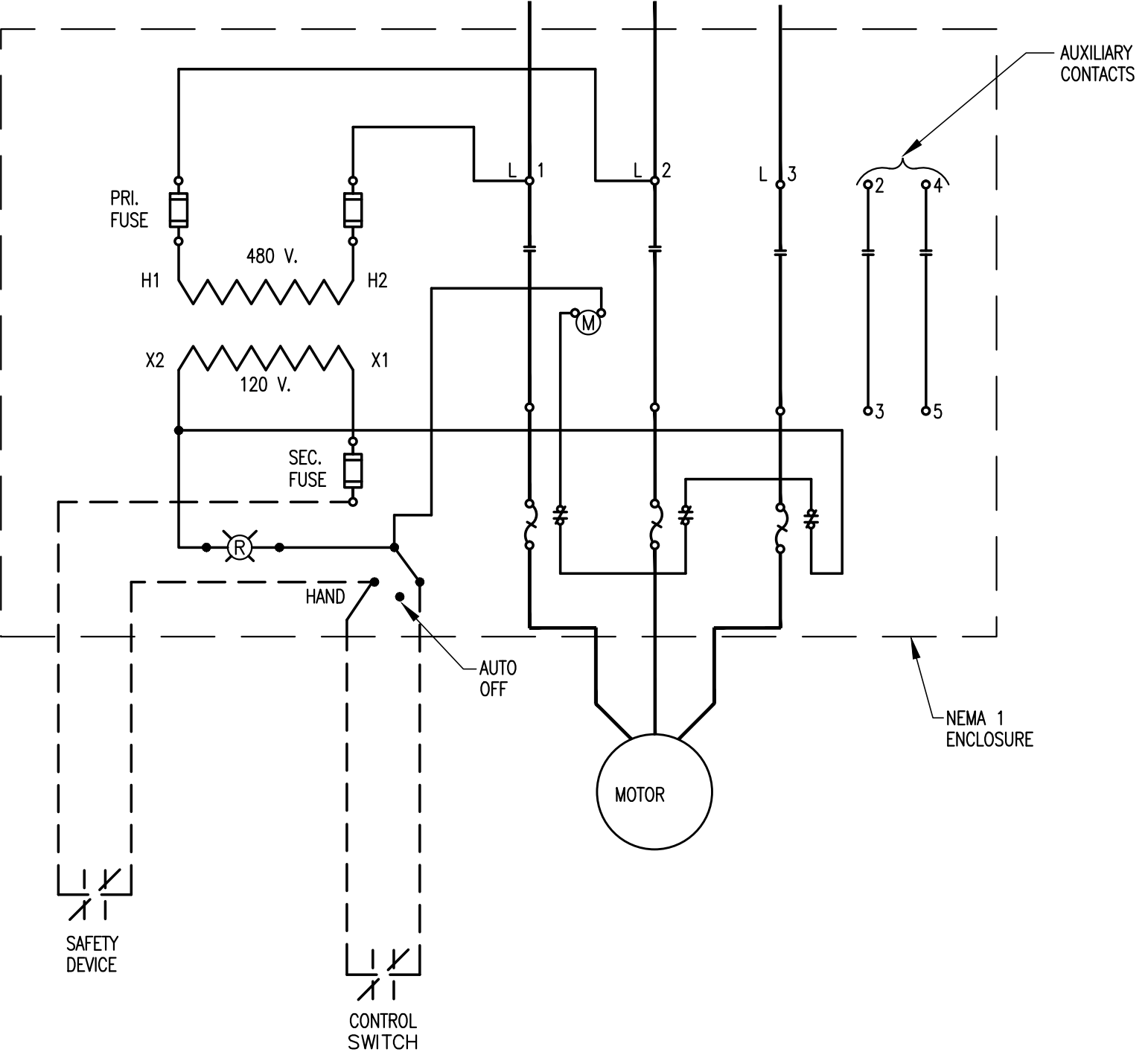


**01** TYPICAL PANEL COLOR CODE DETAIL  
NO SCALE

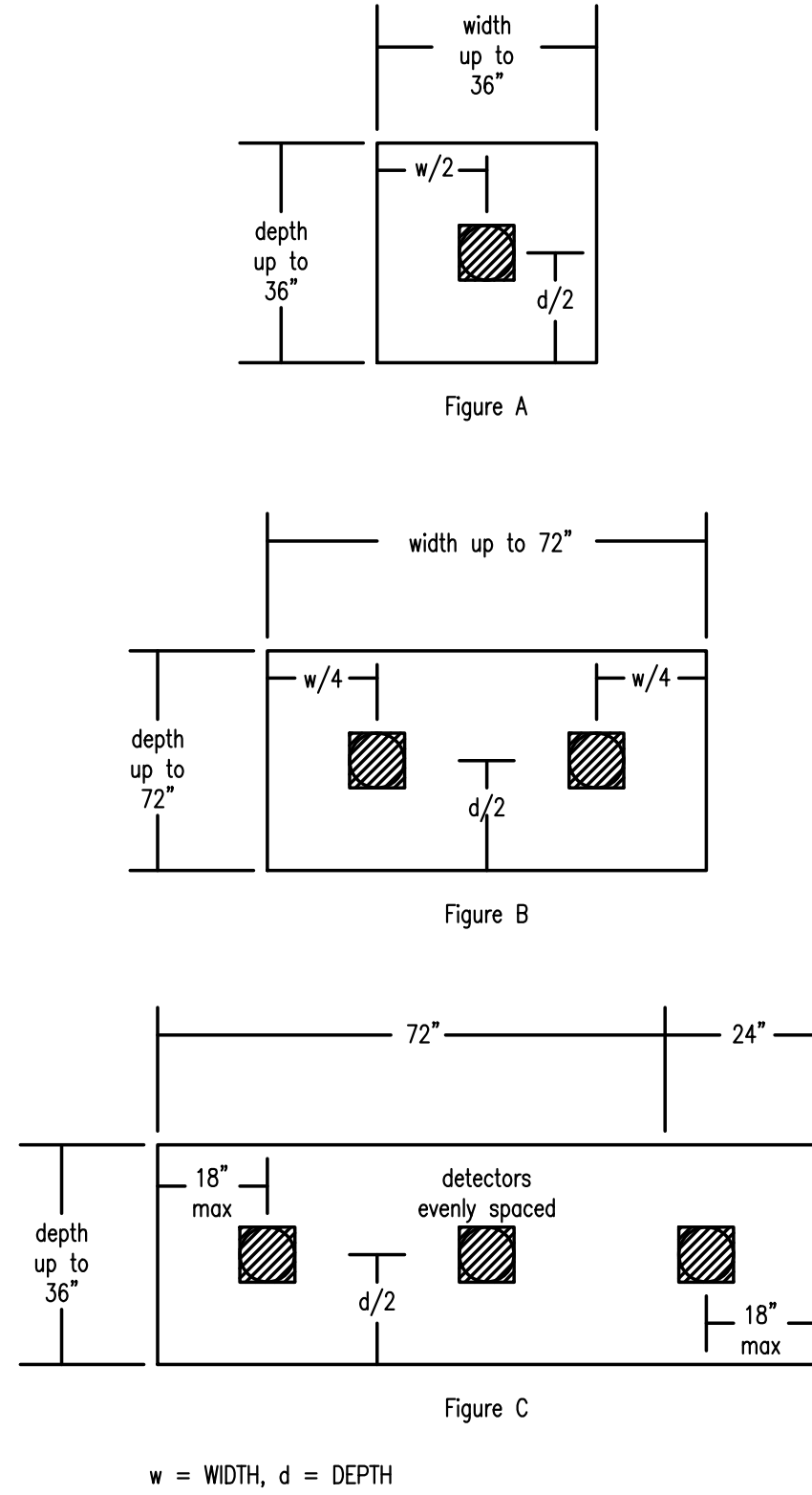


- NOTES BY SYMBOL "○"
- 1 2'x 4' LAY-IN FLUORESCENT FIXTURE
  - 2 SUSPENDED CEILING
  - 3 TIE WIRE, CONNECT TO ALL FOUR CORNERS OF FIXTURE TO STRUCTURE ABOVE, INDEPENDENT OF CEILING SUPPORTS.

**06** TYPICAL LAY-IN FIXTURE SUPPORT  
NO SCALE



**04** H-O-A MOTOR STARTER CONTROL DETAIL  
NO SCALE



**02** LOCATION OF IONIZATION DETECTOR (S) IN RETURN AIR SYSTEM  
NO SCALE

NOTES:

INSTALL PENDANT MOUNTED IONIZATION DETECTORS LISTED FOR THE AIR VELOCITY PRESENT AT THE OPENING WHERE THE RETURN AIR ENTERS THE COMMON RETURN AIR SYSTEM. THE DETECTORS SHALL BE INSTALLED UP TO 12 INCHES MAXIMUM IN FRONT OF THE OPENING AND SPACED ACCORDING TO THE FOLLOWING OPENING DIMENSIONS.

(1) WIDTH:  
UP TO 36 IN. - ONE DETECTOR CENTERED IN OPENING (FIGURE A)  
UP TO 72 IN. - TWO DETECTORS LOCATED AT THE 1/4 POINTS OF THE OPENING (FIGURE B)  
OVER 72 IN. - ONE ADDITIONAL DETECTOR FOR EACH FULL 24 IN. OF OPENING (FIGURE C)

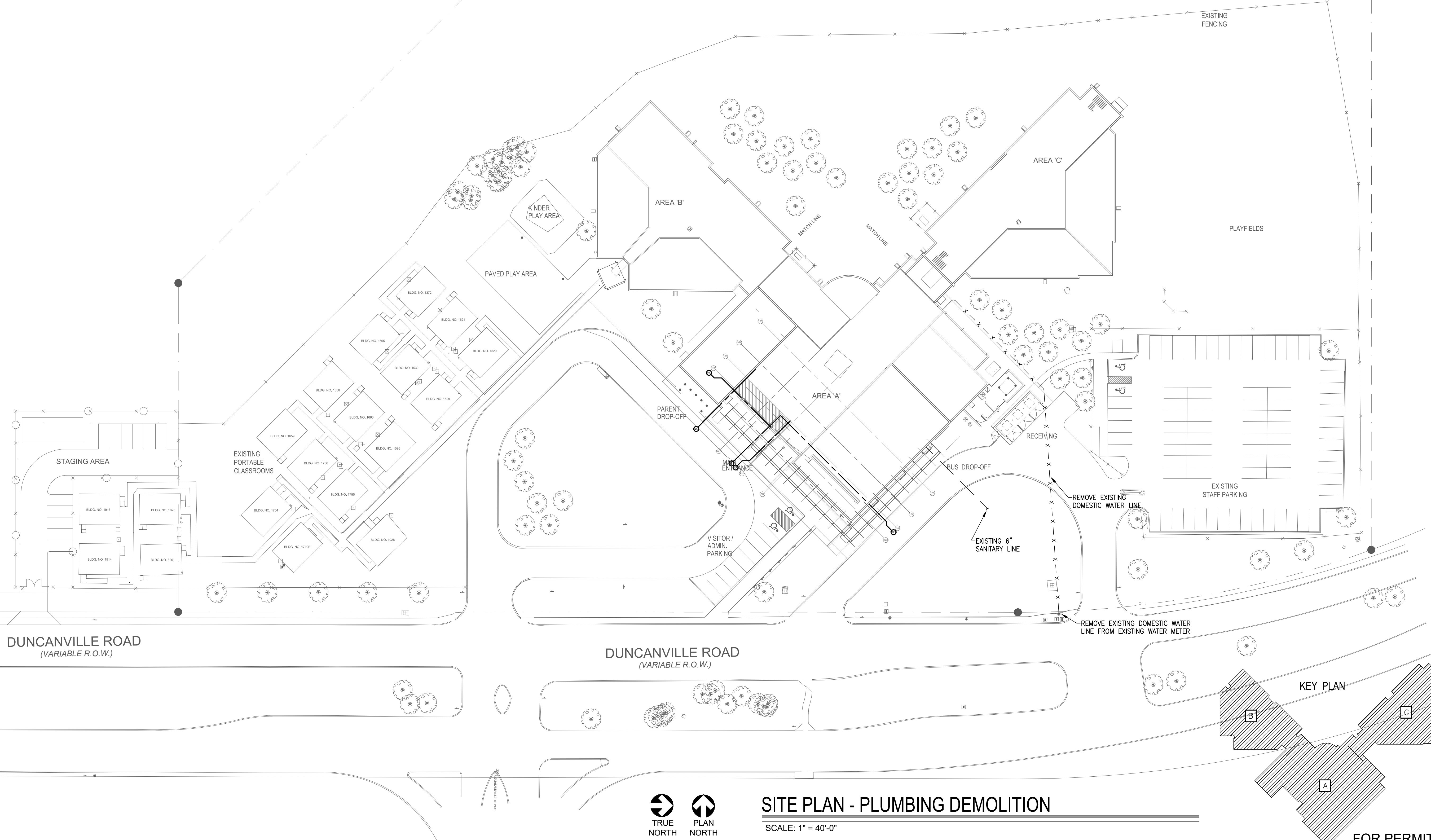
(2) DEPTH:  
THE NUMBER AND SPACING OF THE DETECTOR(S) IN THE DEPTH (VERTICAL) OF THE OPENING SHALL BE THE SAME AS THOSE GIVEN FOR THE WIDTH (HORIZONTAL) ABOVE.

(3) ORIENTATION:  
DETECTORS SHALL BE ORIENTED IN THE MOST FAVORABLE POSITION FOR SMOKE ENTRY WITH RESPECT TO THE DIRECTION OF AIR FLOW.

DETECTORS FOR RETURN AIR BAFFLE WALLS SHALL BE MOUNTED LOW BETWEEN BAFFLE WALLS SO AS TO BE VISIBLE FROM WITHIN THE MECHANICAL SPACE. PROVIDE REMOTE TEST STATIONS AS REQUIRED.

Revisions	Issues
xx/xx/xxxx	(2) xxx

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**MARY MCLEOD BETHUNE**  
ELEMENTARY SCHOOL RENOVATIONS  
1665 DUNCANVILLE ROAD - DALLAS, TX.



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CONSULTANT SEAL:  
 F-6580  
  
 08/18/23

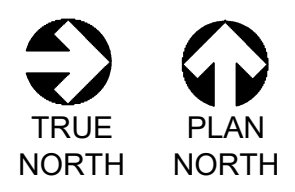
Revisions	Issues
△ xxx/xx/xxxx	② xxx

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 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.



SHEET NAME:  
**SITE PLAN - PLUMBING DEMOLITION**

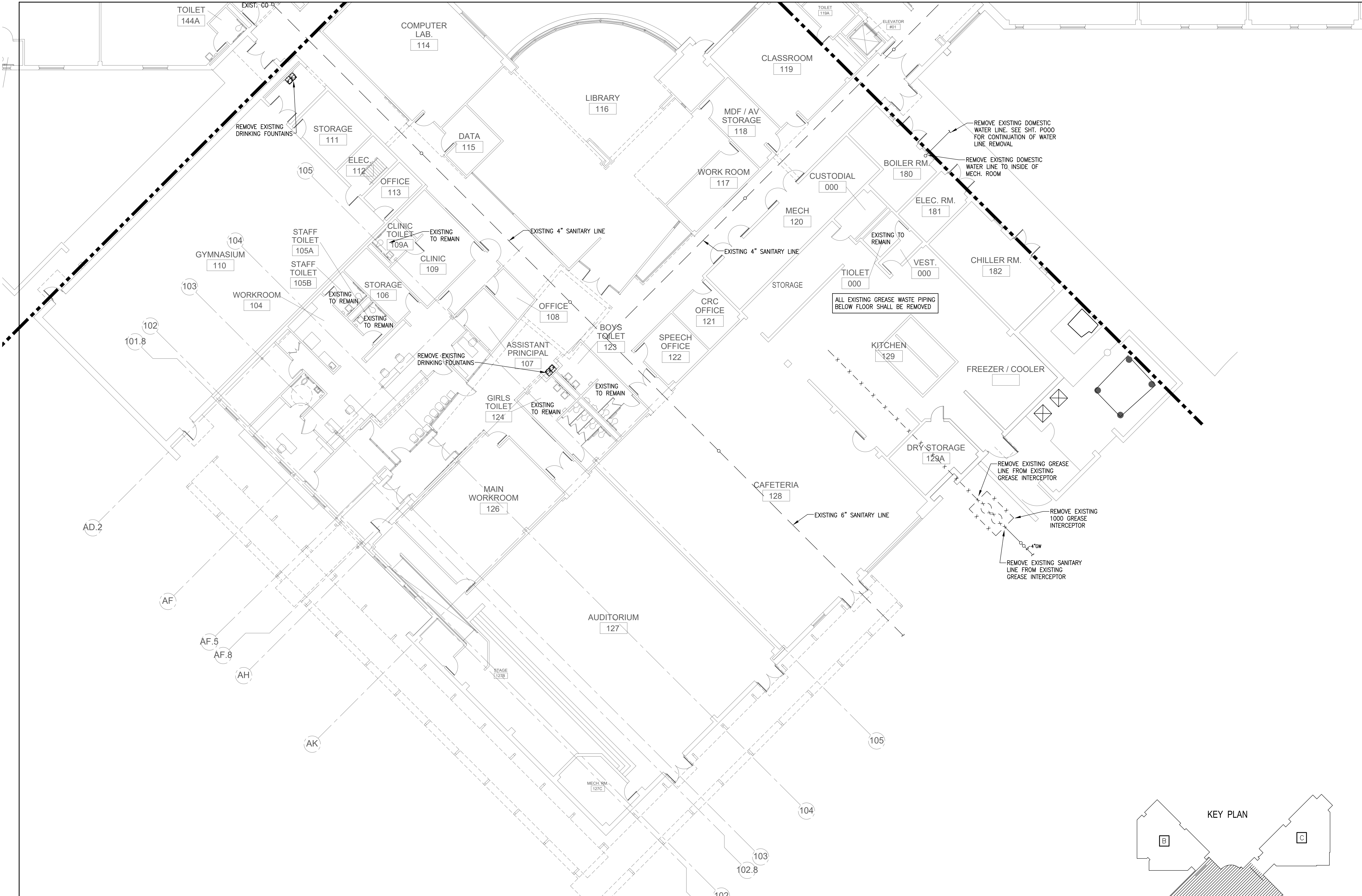
Job 1025202  
 Date 11-18-2022  
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 Check PRF  
 Sheet **PD0.00**  
 Of SHEETS



**SITE PLAN - PLUMBING DEMOLITION**  
 SCALE: 1" = 40'-0"

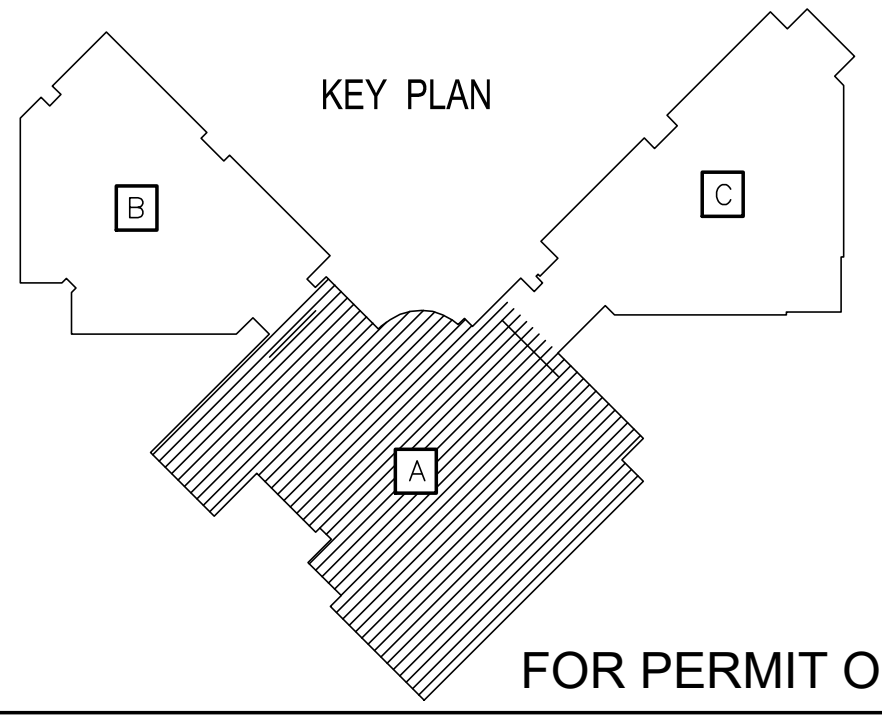
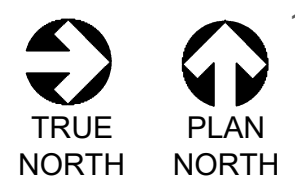
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# LEVEL 1 PLAN - AREA "A" - PLUMBING DEMOLITION

SCALE: 3/32" = 1'-0"



OWNER:  
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 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
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 CARROLLTON, TEXAS 75006  
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 WWW.THEALEXGROUP.COM

CONSULTANT SEAL:  
 F-6580  
  
 Revisions: 

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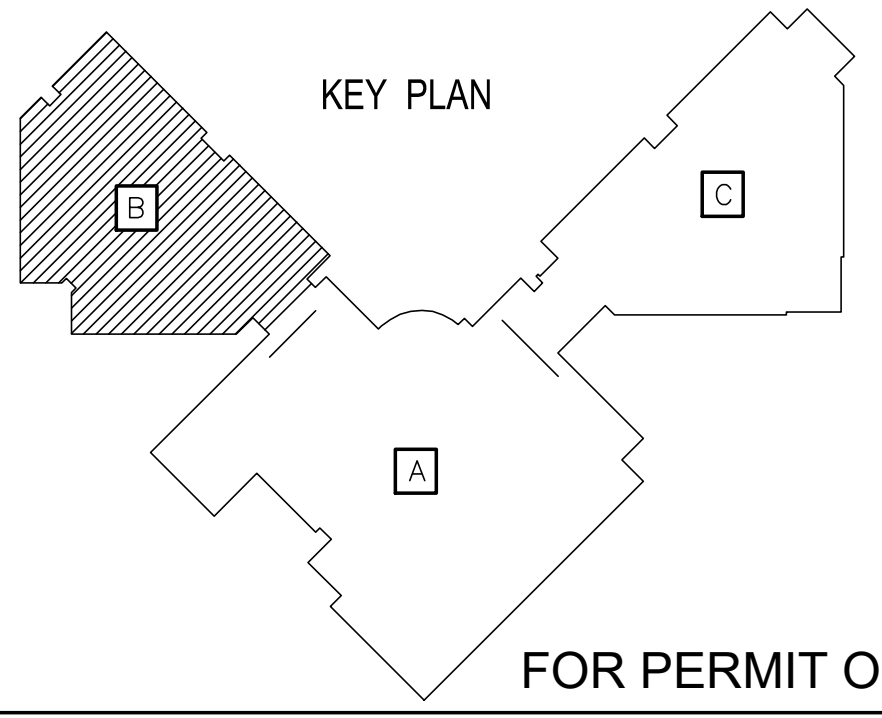
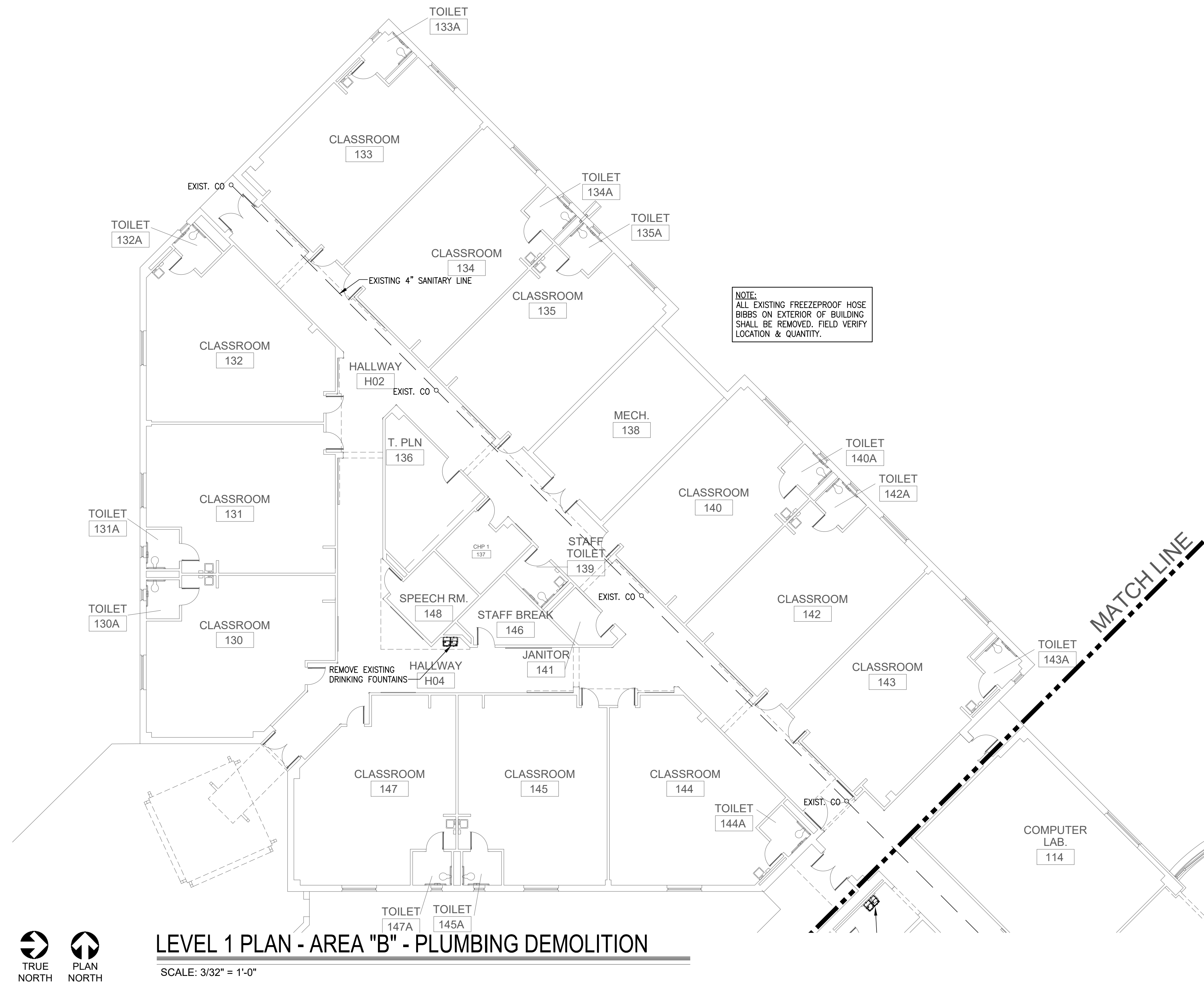
BOND 2020  
 FOR CHILDREN, FOR COMMUNITY, FOR FUTURE

SHEET NAME:  
**LEVEL 1 PLAN - AREA "A" - PLUMBING DEMOLITION**

Job	1025202
Date	11-18-2022
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**TAG**  
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CONSULTANT SEAL:  
F-6580

Revisions	Issues
xx/xx/xxxx	xxx

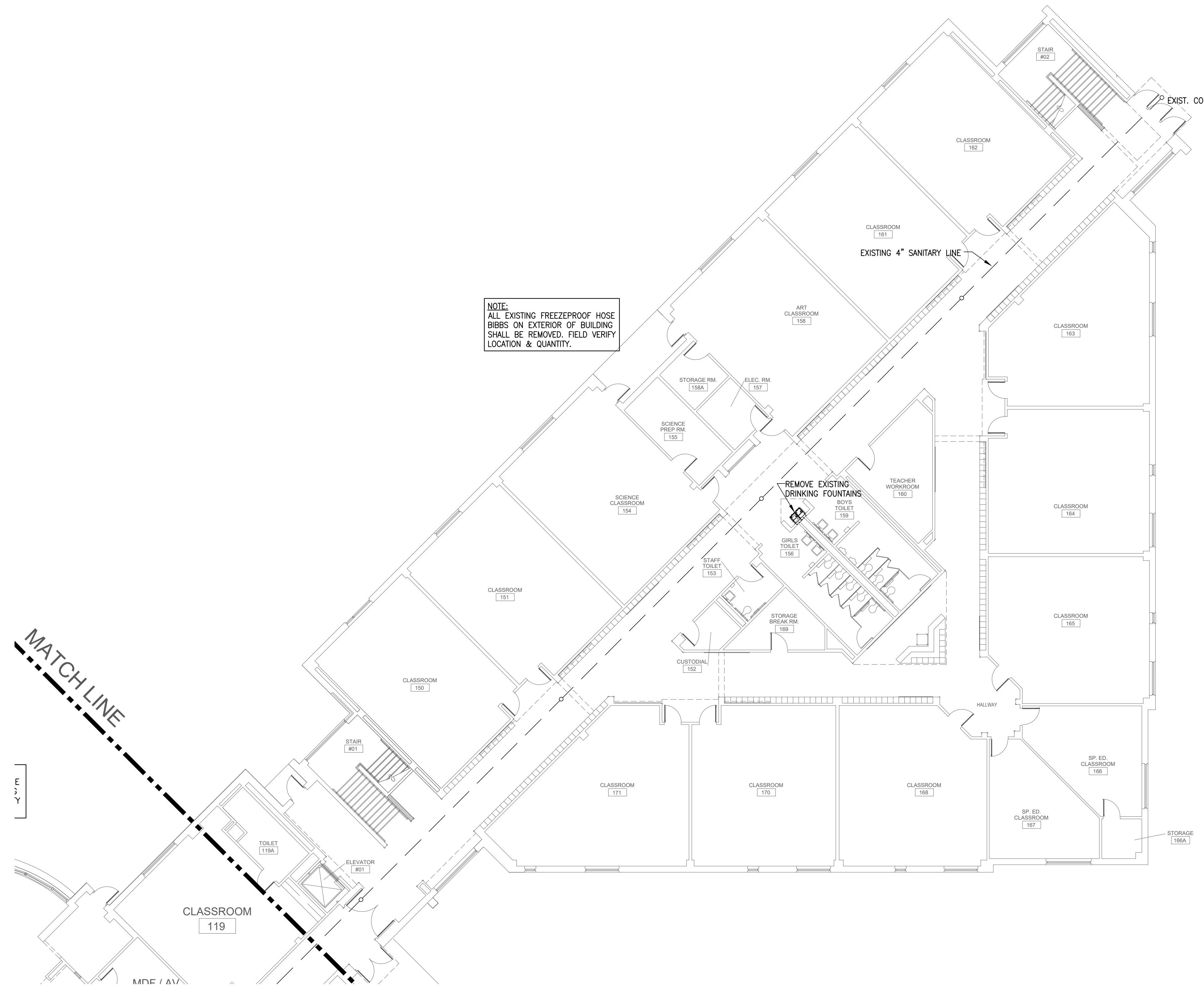
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ELEMENTARY SCHOOL RENOVATIONS  
1665 DUNCANVILLE ROAD - DALLAS, TX.

FOR CHILDREN. FOR COMMUNITY. FOR FUTURE.

SHEET NAME:  
**LEVEL 1 PLAN - AREA "B" - PLUMBING DEMOLITION**

Job 1025202  
Date 11-18-2022  
Drawn  
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PRF  
Sheet **PD1.02**  
Of SHEETS

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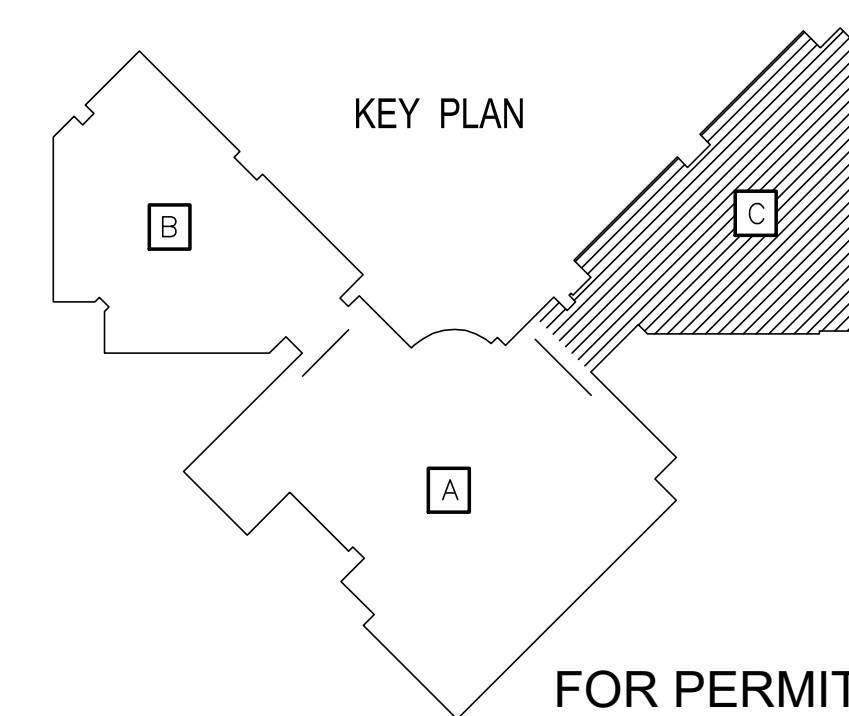
MATCH LINE

NOTE:  
ALL EXISTING FREEZEPROOF HOSE  
BIBBS ON EXTERIOR OF BUILDING  
SHALL BE REMOVED. FIELD VERIFY  
LOCATION & QUANTITY.



### LEVEL 1 PLAN - AREA "C" - PLUMBING DEMOLITION

SCALE: 3/32" = 1'-0"

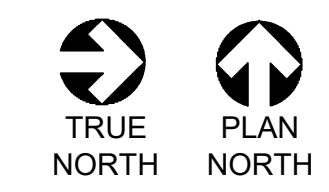
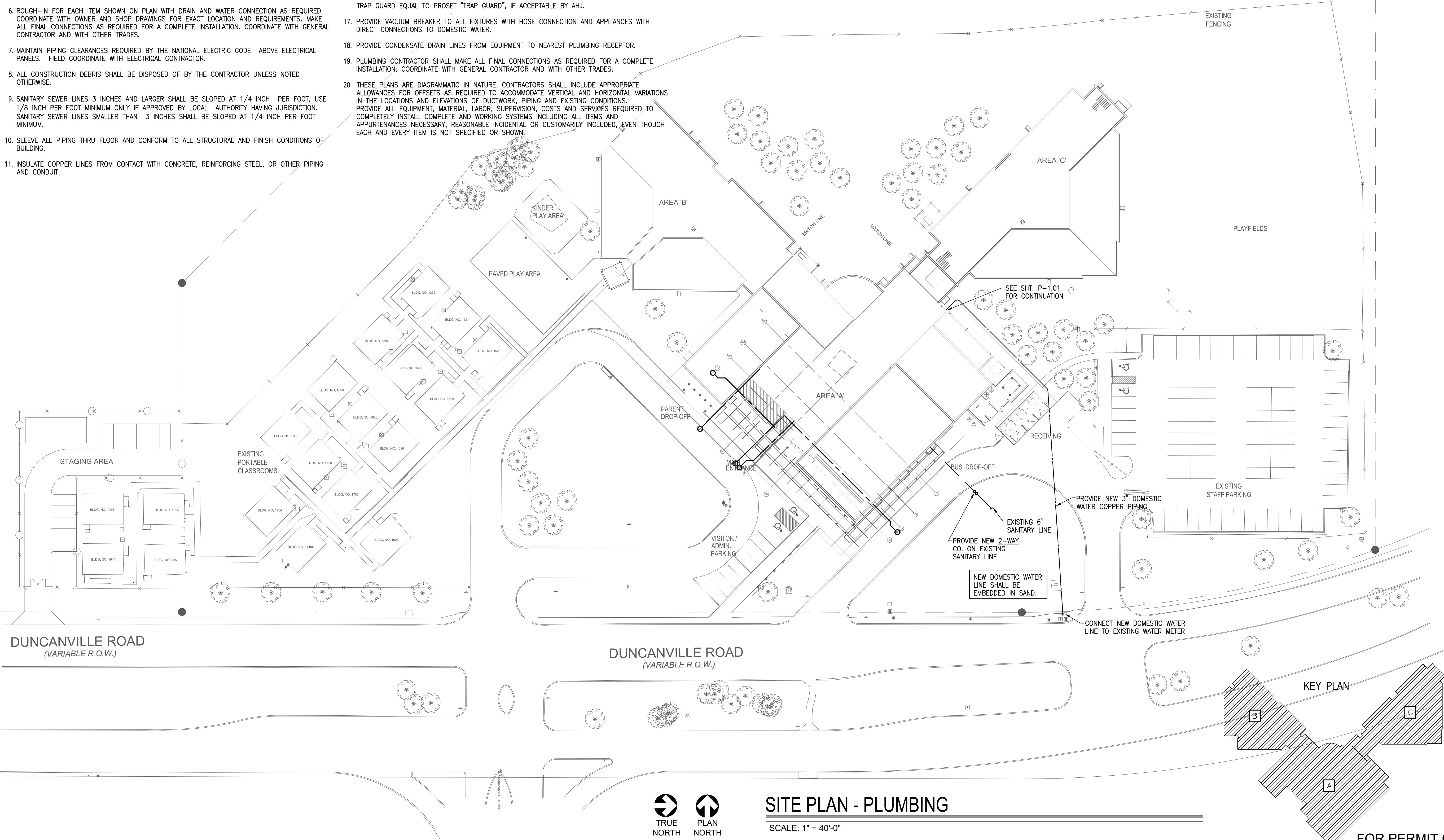


FOR PERMIT ONLY

<p>DALLAS INDEPENDENT SCHOOL DISTRICT 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR DALLAS TEXAS 75231</p>	
<p>ARCHITECT: <b>E. EVANS ASSOCIATES, INC.</b> ARCHITECTURE • ENGINEERING • CONSTRUCTION • INSPECTIONS 13140 NORTH COIT ROAD • SUITE 230 DALLAS, TEXAS 75244 PH: (214) 340-4440 FAX: (214) 340-0205</p>	
<p>CONSULTANT: THE ALEX GROUP, LLC CONSULTANT <b>TAG</b> the alex group, llc Professional &amp; Consulting Engineers 276 E. Harry Mills Rd., Suite 108 Ft. Worth, TX 76104 www.thealexgroup.net</p>	
<p>CONSULTANT SEAL: F-6580</p>	
<p>Revisions △ xxx/xx/xxxx</p>	<p>Issues ○ (2) xxx</p>
<p>DISD - 2020 BOND PROGRAM - ORG. NO. 274 <b>MARY MCLEOD BETHUNE</b> ELEMENTARY SCHOOL RENOVATIONS 1665 DUNCANVILLE ROAD - DALLAS, TX.</p>	
<p>SHEET NAME: <b>LEVEL 1 PLAN - AREA "C" - PLUMBING DEMOLITION</b></p>	
<p>Job 1025202 Date 11-18-2022 Drawn Check PRF Sheet</p>	<p><b>PD1.03</b> Of SHEETS</p>

# PLUMBING GENERAL NOTES:

- 1. ALL PLUMBING INSTALLATIONS SHALL BE IN STRICT COMPLIANCE WITH THE INTERNATIONAL PLUMBING CODE AND ALL STATE AND LOCAL GOVERNING AUTHORITIES HAVING JURISDICTION.
- 2. EACH TRADE SHALL COORDINATE THE ROUTING AND INSTALLATION OF HIS WORK WITH THAT OF ALL OTHER TRADES THROUGH THE GENERAL CONTRACTOR. IN ANY INSTANCES OF CONFLICT, SYSTEMS REQUIRING "GRADE" OR "SLOPE" FOR DRAINAGE (SANITARY SEWER, SANITARY VENT, EQUIPMENT DRAINS, ETC...) SHALL HAVE PRIORITY.
- 3. COORDINATE WITH MECHANICAL CONTRACTOR FOR ANY INSTALLATION OF PIPING AND DUCTWORK PRIOR TO BEGINNING OF CONSTRUCTION
- 4. REFER TO ARCHITECT'S DRAWINGS FOR MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES. LOCATE EQUIPMENT AND FIXTURES APPROXIMATELY AS SHOWN CONFORMING TO ALL ARCHITECTURAL AND STRUCTURAL ITEMS. PROVIDE ALL SUPPORTS, HANGERS AND OPENINGS AS REQUIRED FOR A COMPLETE INSTALLATION. CONTRACTOR SHALL COORDINATE WITH ALL TRADES FOR CLEARANCES, AND EXACT LOCATIONS OF EQUIPMENT. ALL EQUIPMENT AND FIXTURES SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND IN FULL COMPLIANCE WITH ALL APPLICABLE CODES HAVING JURISDICTION.
- 5. PENETRATIONS OF WALLS OR FLOORS FOR THE PASSAGE OF PIPING, DUCTWORK OR OTHER EQUIPMENT SHALL BE PROPERLY SEALED AFTER INSTALLATION OF EQUIPMENT. FIELD VERIFY EXISTING WALL PENETRATIONS AND PROPERLY SEAL AS REQUIRED TO MAINTAIN WALL OR FLOOR RATING.
- 6. ROUGH-IN FOR EACH ITEM SHOWN ON PLAN WITH DRAIN AND WATER CONNECTION AS REQUIRED. COORDINATE WITH OWNER AND SHOP DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS. MAKE ALL FINAL CONNECTIONS AS REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE WITH GENERAL CONTRACTOR AND WITH OTHER TRADES.
- 7. MAINTAIN PIPING CLEARANCES REQUIRED BY THE NATIONAL ELECTRIC CODE ABOVE ELECTRICAL PANELS. FIELD COORDINATE WITH ELECTRICAL CONTRACTOR.
- 8. ALL CONSTRUCTION DEBRIS SHALL BE DISPOSED OF BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
- 9. SANITARY SEWER LINES 3 INCHES AND LARGER SHALL BE SLOPED AT 1/4 INCH PER FOOT, USE 1/8 INCH PER FOOT MINIMUM ONLY IF APPROVED BY LOCAL AUTHORITY HAVING JURISDICTION. SANITARY SEWER LINES SMALLER THAN 3 INCHES SHALL BE SLOPED AT 1/4 INCH PER FOOT MINIMUM.
- 10. SLEEVE ALL PIPING THRU FLOOR AND CONFORM TO ALL STRUCTURAL AND FINISH CONDITIONS OF BUILDING.
- 11. INSULATE COPPER LINES FROM CONTACT WITH CONCRETE, REINFORCING STEEL, OR OTHER PIPING AND CONDUIT.
- 12. WATER LINES LOCATED IN EXTERIOR WALL SHALL BE INSTALLED BETWEEN INSULATION AND INTERIOR OF WALL. WATER PIPING INDICATED UNDER THIS SLAB SHALL BE SEAMLESS COPPER WITH NO JOINTS AND LONG RADIUS CURVES FOR TURNS, PROTECTED USING ARMAFLEX INSULATION. INSULATE COPPER LINES FROM CONTACT WITH CONCRETE, REINFORCING STEEL, OR OTHER PIPING AND ELECTRICAL CONDUITS.
- 13. PLUMBING VENTS AND FLUES THRU ROOF SHALL BE LOCATED 10'-0" FROM ALL OUTSIDE AIR INTAKES AND 2'-0" FROM ALL VERTICAL STRUCTURES. TERMINATIONS ARE TO BE 12" MINIMUM ABOVE ROOF.
- 14. ISOLATION VALVES ARE TO BE INSTALLED AT EACH PLUMBING FIXTURE AND/OR GROUP OF PLUMBING FIXTURES. LOCATE VALVES IN ACCESSIBLE LOCATIONS; ABOVE GYP. BOARD CEILING OR IN WALLS WITH ACCESS DOORS.
- 15. INSTALL HANDICAPPED WATER CLOSET FLUSH LEVER OPPOSITE THE GRAB BARS. ALL HANDICAPPED ACCESSIBLE FIXTURES SHALL BE APPROVED TYPES WITH REQUIRED CONTROLS AND INSTALLED TO HEIGHTS AND CLEARANCES AS PRESCRIBED BY TEXAS ACCESSIBILITY STANDARD (TAS). REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONED ADA MOUNTING HEIGHTS AND SPECIFIED CLEARANCES.
- 16. PROVIDE TRAP PRIMERS AND DEEP SEAL TRAPS ON ALL FLOOR DRAINS AND FLOOR SINKS. TRAP PRIMER SHALL BE LOCATED UNDER LAVATORY IN ACCESSIBLE LOCATION. EXTEND 1/2" WATERLINE UNDER FLOOR AND CONNECT TO TRAP PRIMER CONNECTION FOR FLOOR DRAIN. OPTION: PROVIDE TRAP GUARD EQUAL TO PROSET "TRAP GUARD", IF ACCEPTABLE BY AHJ.
- 17. PROVIDE VACUUM BREAKER TO ALL FIXTURES WITH HOSE CONNECTION AND APPLIANCES WITH DIRECT CONNECTIONS TO DOMESTIC WATER.
- 18. PROVIDE CONDENSATE DRAIN LINES FROM EQUIPMENT TO NEAREST PLUMBING RECEPTOR.
- 19. PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE WITH GENERAL CONTRACTOR AND WITH OTHER TRADES.
- 20. THESE PLANS ARE DIAGRAMMATIC IN NATURE, CONTRACTORS SHALL INCLUDE APPROPRIATE ALLOWANCES FOR OFFSETS AS REQUIRED TO ACCOMMODATE VERTICAL AND HORIZONTAL VARIATIONS IN THE LOCATIONS AND ELEVATIONS OF DUCTWORK, PIPING AND EXISTING CONDITIONS. PROVIDE ALL EQUIPMENT, MATERIAL, LABOR, SUPERVISION, COSTS AND SERVICES REQUIRED TO COMPLETELY INSTALL COMPLETE AND WORKING SYSTEMS INCLUDING ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLE INCIDENTAL OR CUSTOMARILY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFIED OR SHOWN.



## SITE PLAN - PLUMBING

SCALE: 1" = 40'-0"

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OWNER:  
**DALLAS**  
INDEPENDENT SCHOOL DISTRICT  
9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
DALLAS TEXAS 75231

ARCHITECT:  
E. EVANS ASSOCIATES, INC.  
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13140 NORTH COIT ROAD - SUITE 230  
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CONSULTANT:  
THE ALEX GROUP, LLC  
CONSULTANTS IN ARCHITECTURE, ENGINEERING, AND PLUMBING  
**TAG**  
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2701 E. Finney Mills Rd., Suite 108 | Tel: 972.520.6400  
Carrollton, Texas 75006 | Fax: 972.824.9484  
www.thealexgroup.com

CONSULTANT SEAL:  
F-6580  
STATE OF TEXAS  
SEAL OF BAI H. KAZATKIBER  
08/18/23

Revisions	Issues
△ xxxxxxxx	② xxx

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
ELEMENTARY SCHOOL RENOVATIONS  
1665 DUNCANVILLE ROAD - DALLAS, TX.

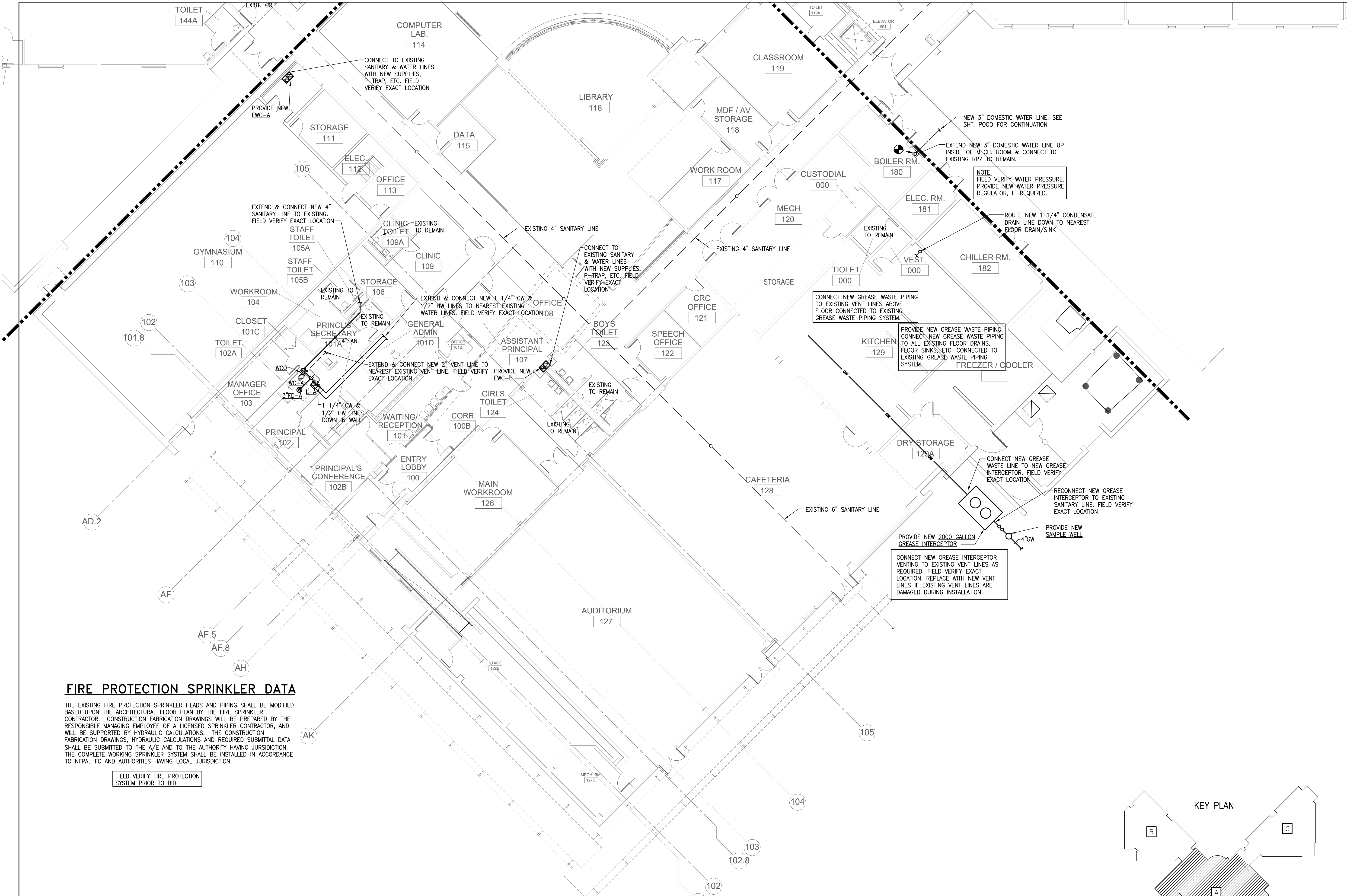
BOND2020  
FOR CHILDREN. FOR COMMUNITY. FOR FUTURE

SHEET NAME:  
**SITE PLAN - PLUMBING**

Job 1025202  
Date 11-18-2022  
Drawn  
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Of SHEETS

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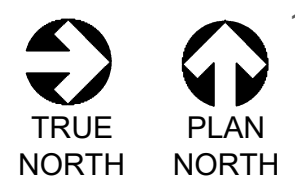




**FIRE PROTECTION SPRINKLER DATA**

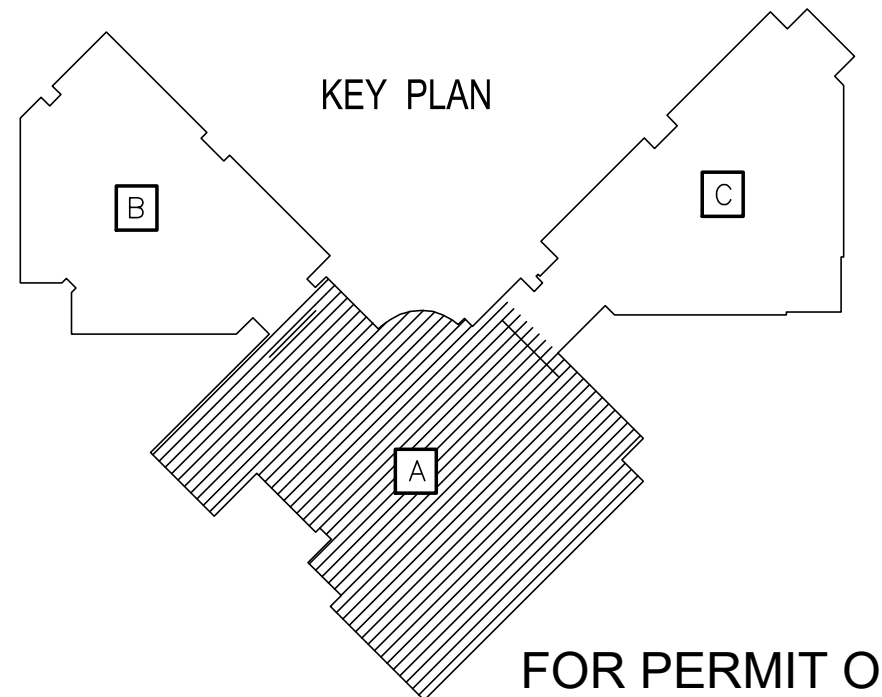
THE EXISTING FIRE PROTECTION SPRINKLER HEADS AND PIPING SHALL BE MODIFIED BASED UPON THE ARCHITECTURAL FLOOR PLAN BY THE FIRE SPRINKLER CONTRACTOR. CONSTRUCTION FABRICATION DRAWINGS WILL BE PREPARED BY THE RESPONSIBLE MANAGING EMPLOYEE OF A LICENSED SPRINKLER CONTRACTOR, AND WILL BE SUPPORTED BY HYDRAULIC CALCULATIONS. THE CONSTRUCTION FABRICATION DRAWINGS, HYDRAULIC CALCULATIONS AND REQUIRED SUBMITTAL DATA SHALL BE SUBMITTED TO THE A/E AND TO THE AUTHORITY HAVING JURISDICTION. THE COMPLETE WORKING SPRINKLER SYSTEM SHALL BE INSTALLED IN ACCORDANCE TO NFPA, IFC AND AUTHORITIES HAVING LOCAL JURISDICTION.

FIELD VERIFY FIRE PROTECTION SYSTEM PRIOR TO BID.



**LEVEL 1 PLAN - AREA "A" - PLUMBING**

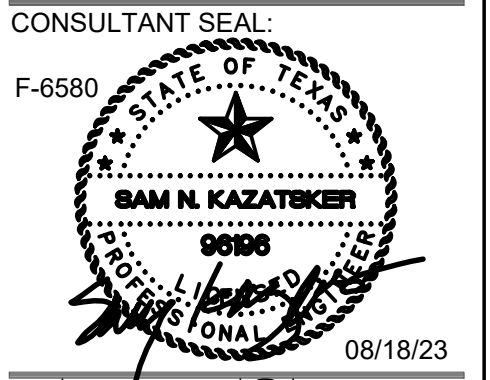
SCALE: 3/32" = 1'-0"



OWNER:  
**DALLAS**  
 DALLAS INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

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**THE ALEX GROUP, LLC**  
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**TAG**  
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 2701 E. Trinity Mills Rd. Suite 108 Tel: 972.820.6400  
 Carrollton, Texas 75006 Fax: 972.820.6404  
 www.thealexgroup.net



Revisions	Issues
△ xxx/xx/xxxx	② xxx

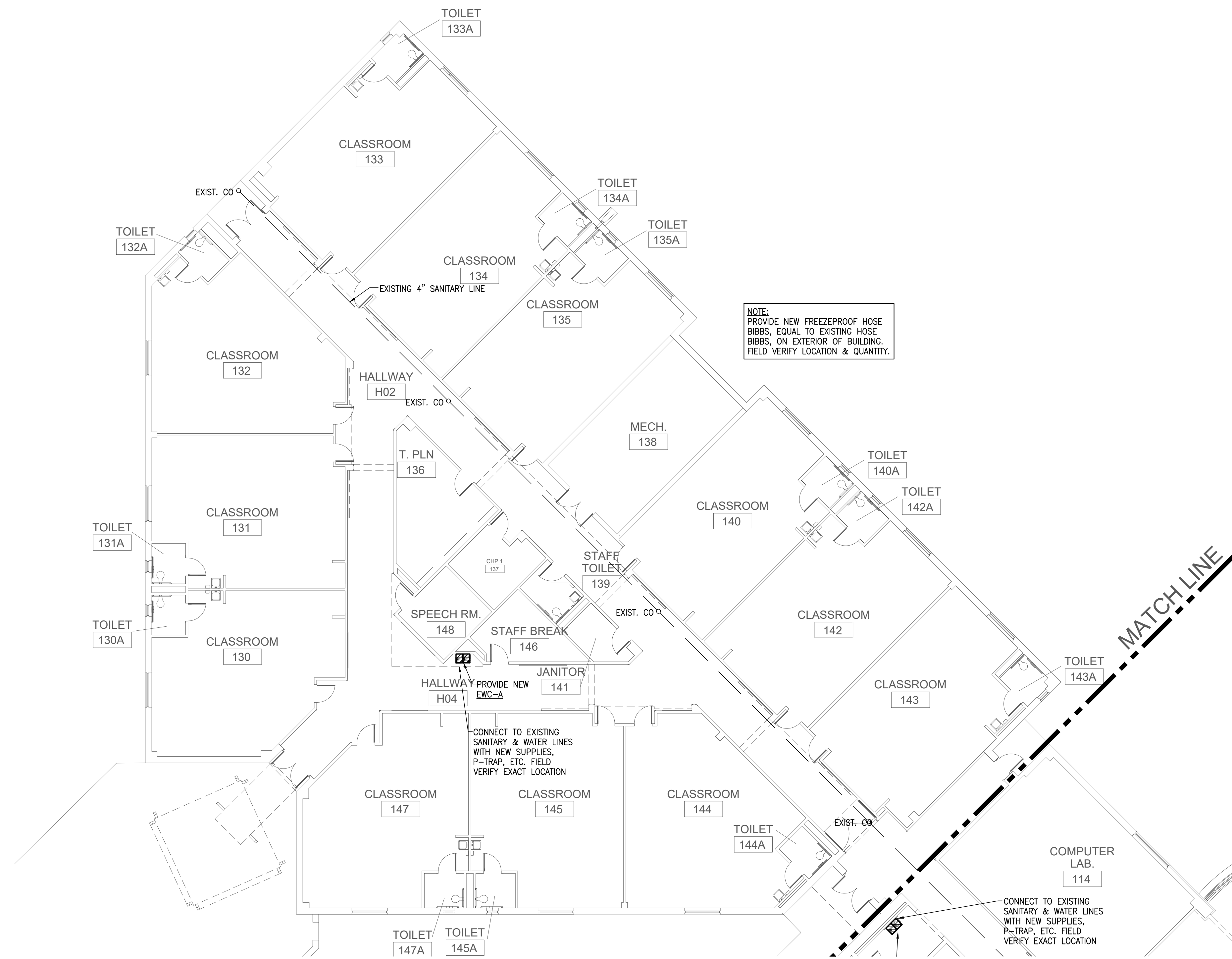
DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.



SHEET NAME:  
**LEVEL 1 PLAN - AREA "A" - PLUMBING**

Job 1025202  
 Date 11-18-2022  
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 Check PRF  
 Sheet **P1.01**  
 Of SHEETS

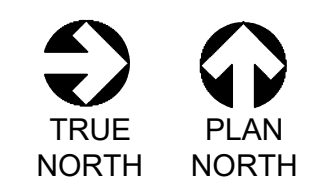
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NOTE:  
 PROVIDE NEW FREEZEPROOF HOSE  
 BIBBS, EQUAL TO EXISTING HOSE  
 BIBBS, ON EXTERIOR OF BUILDING.  
 FIELD VERIFY LOCATION & QUANTITY.

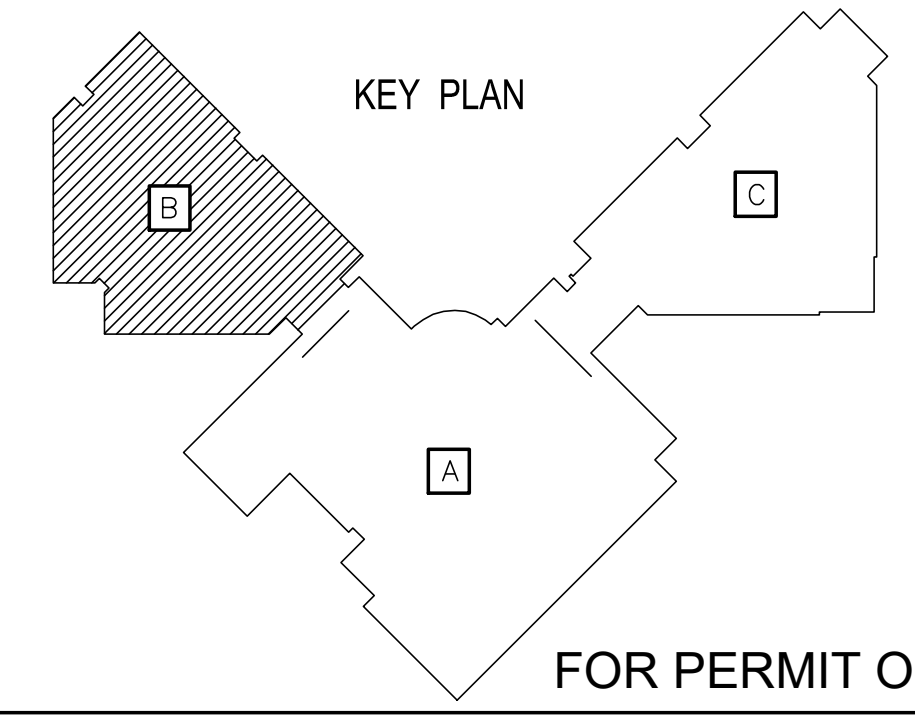
CONNECT TO EXISTING  
 SANITARY & WATER LINES  
 WITH NEW SUPPLIES,  
 P-TRAP, ETC. FIELD  
 VERIFY EXACT LOCATION

CONNECT TO EXISTING  
 SANITARY & WATER LINES  
 WITH NEW SUPPLIES,  
 P-TRAP, ETC. FIELD  
 VERIFY EXACT LOCATION



**LEVEL 1 PLAN - AREA "B" - PLUMBING**

SCALE: 3/32" = 1'-0"

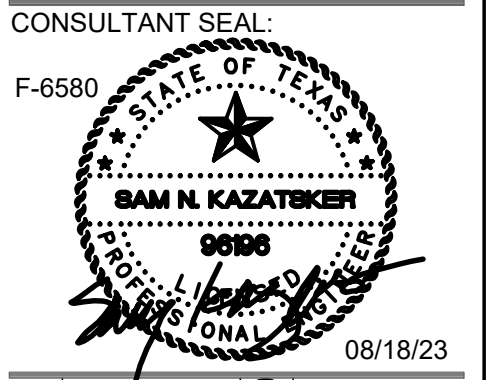


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OWNER:  
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 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

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 FAX: 972.829.6404  
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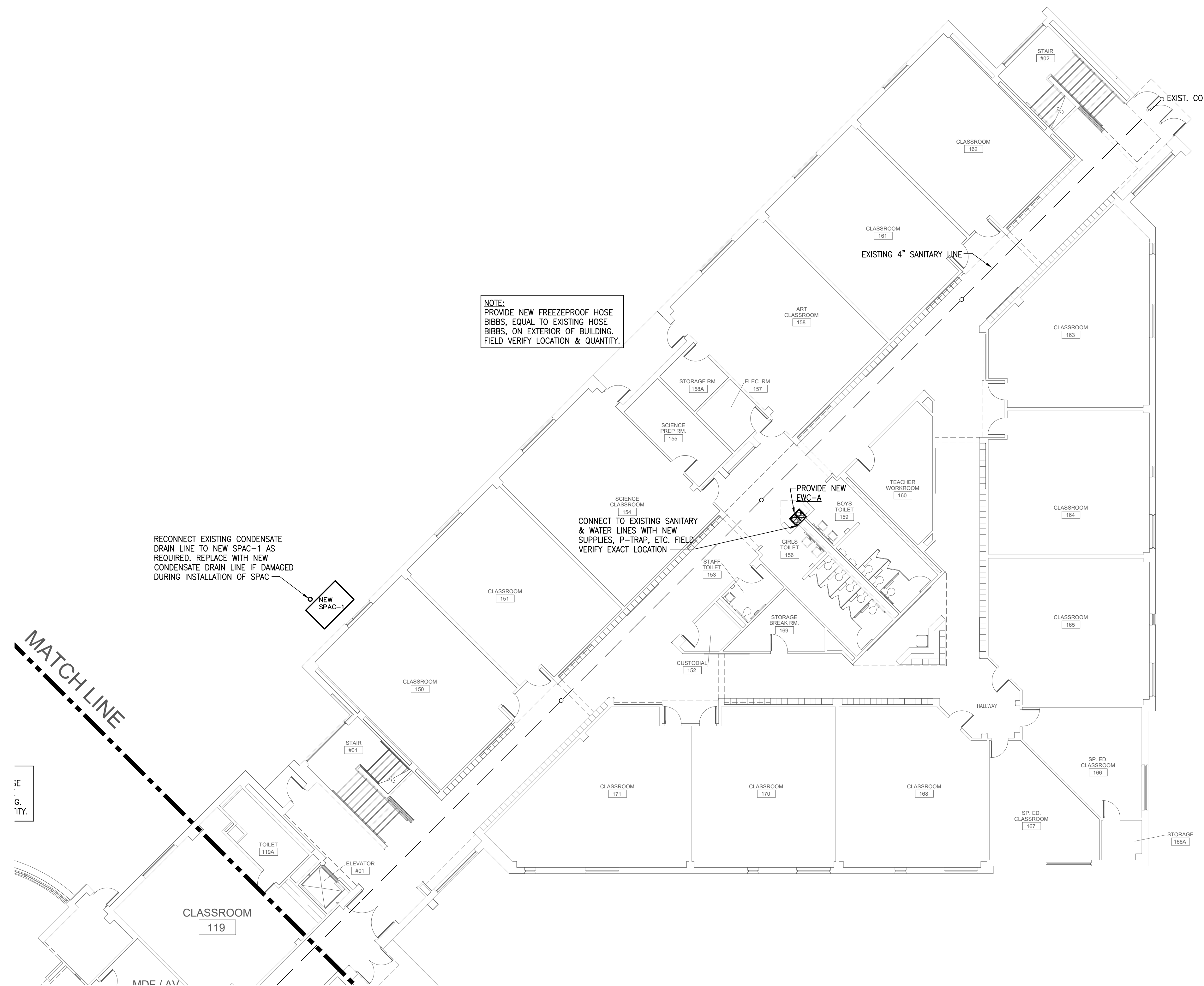
Revisions	Issues
△ xxx/xx/xxxx	○ 2 xxx

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**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.



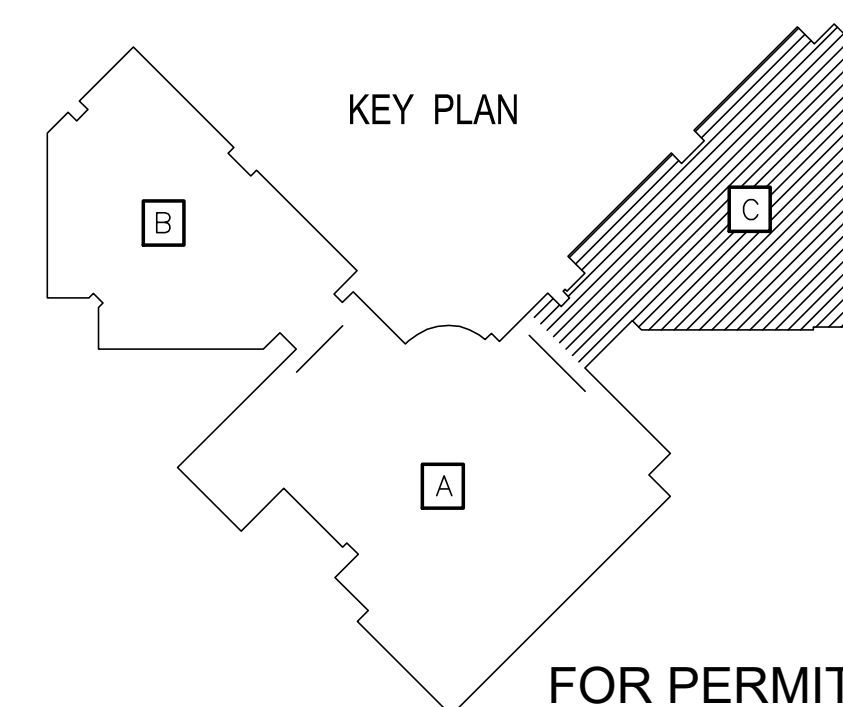
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**LEVEL 1 PLAN - AREA "B" - PLUMBING**

Job 1025202  
 Date 11-18-2022  
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 Sheet **P1.02**  
 Of SHEETS



**LEVEL 1 PLAN - AREA "C" - PLUMBING**

SCALE: 3/32" = 1'-0"



OWNER:  
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 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
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CONSULTANT SEAL:  
 F-6580  
 STATE OF TEXAS  
 REGISTERED PROFESSIONAL ENGINEER  
**RAM N. KAZATCHEV**  
 9998  
 08/18/23

Revisions	Issues
△ xxx/xx/xxxx	② xxx

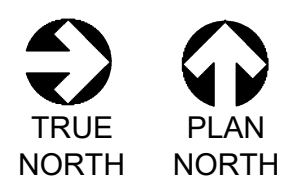
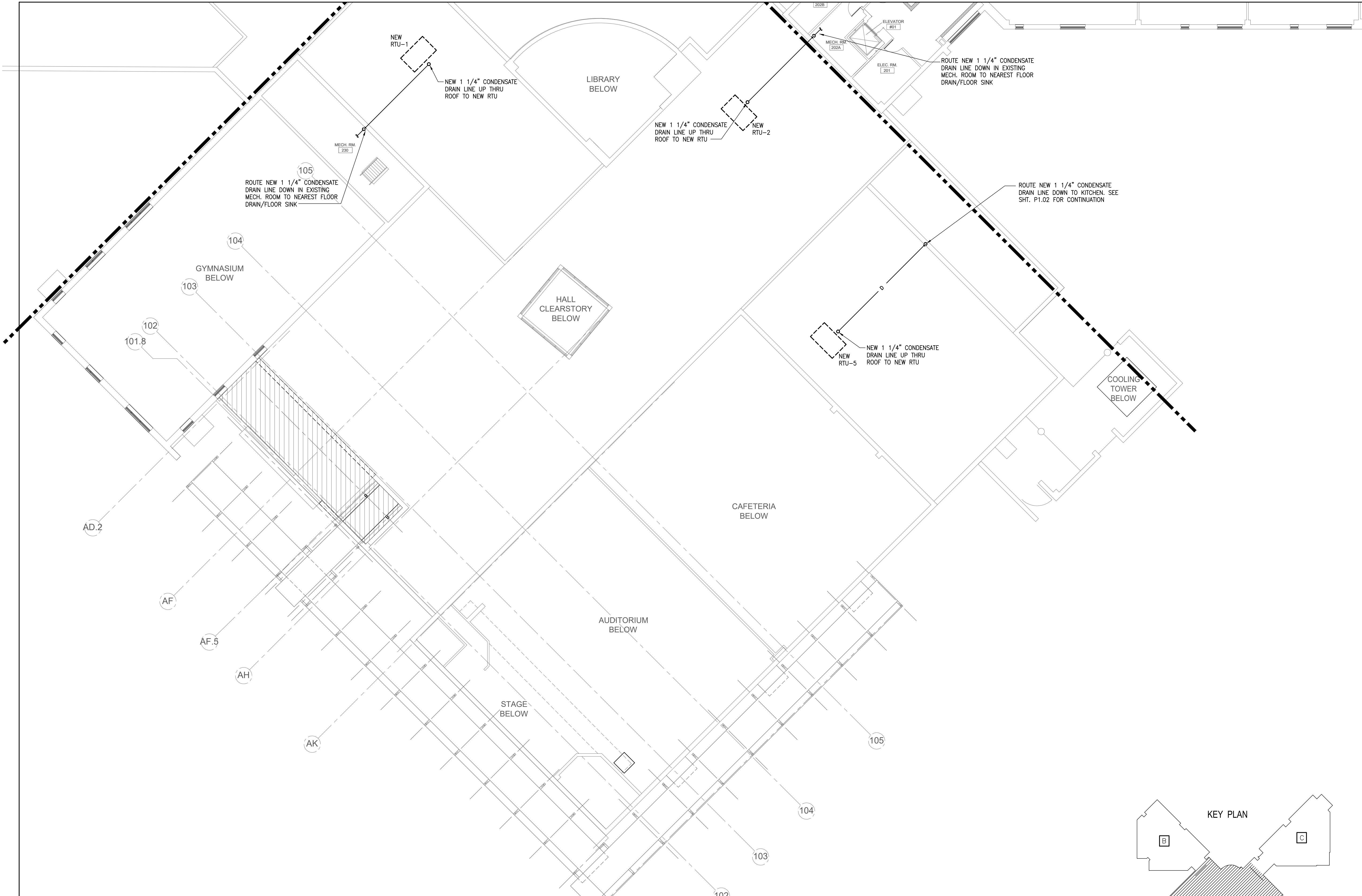
DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.



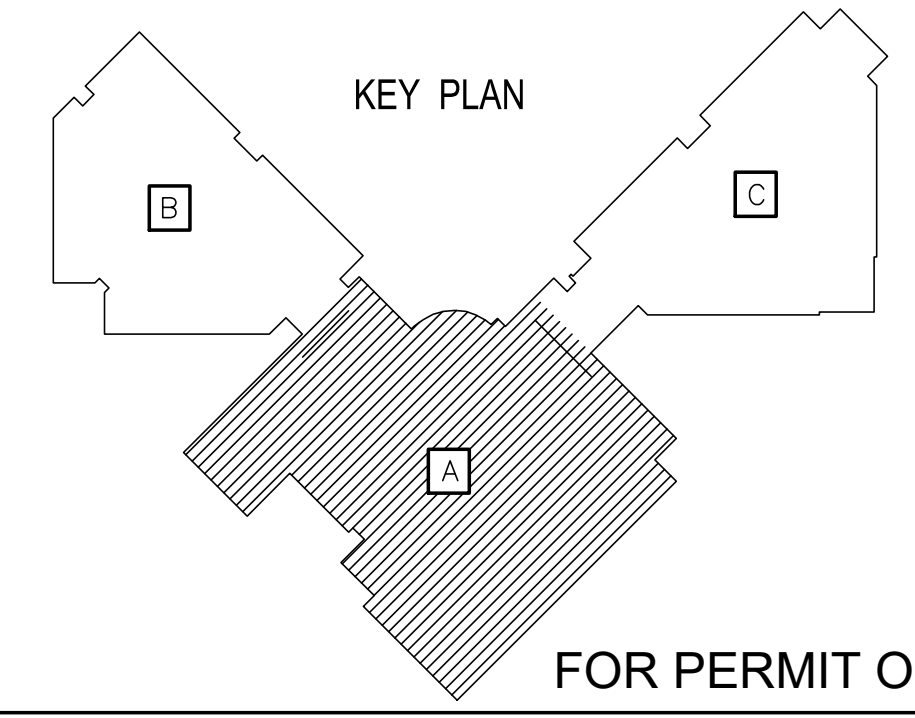
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**LEVEL 1 PLAN - AREA "C" - PLUMBING**

Job 1025202  
 Date 11-18-2022  
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 PRF  
 Sheet **P1.03**  
 Of SHEETS

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**LEVEL 2 PLAN - AREA "A" - PLUMBING**  
 SCALE: 3/32" = 1'-0"



OWNER:  
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 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
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 STATE OF TEXAS  
 PROFESSIONAL ENGINEER  
**BAM N. KAZATCHEB**  
 08/18/23

△ Revisions	○ Issues
△ xx/xx/xxxx	○ 2 xxx

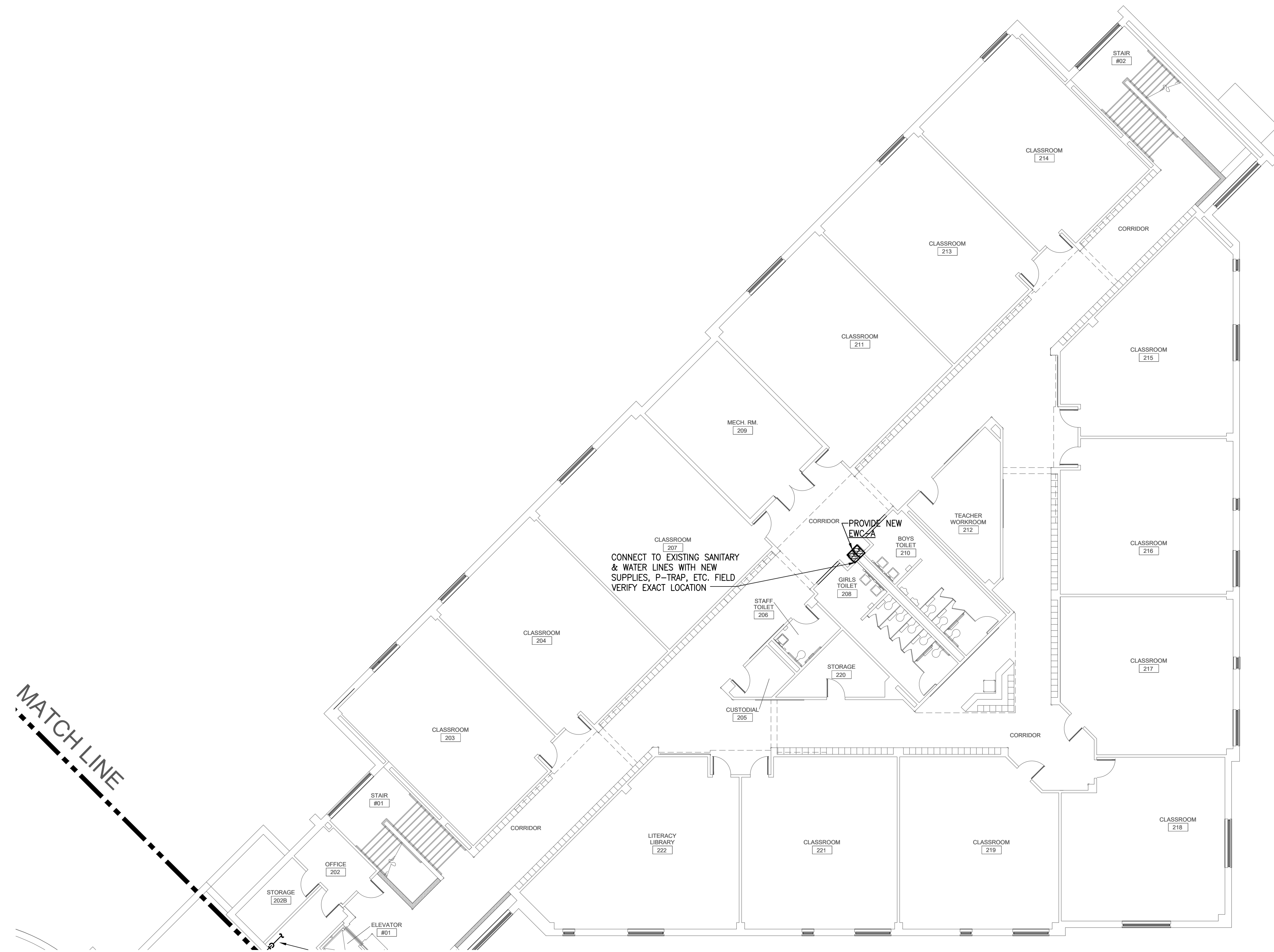
DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.



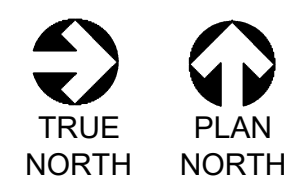
SHEET NAME:  
**LEVEL 2 PLAN - AREA "A" - PLUMBING**

Job 1025202  
 Date 11-18-2022  
 Drawn  
 Check PRF  
 Sheet **P1.04**  
 Of SHEETS

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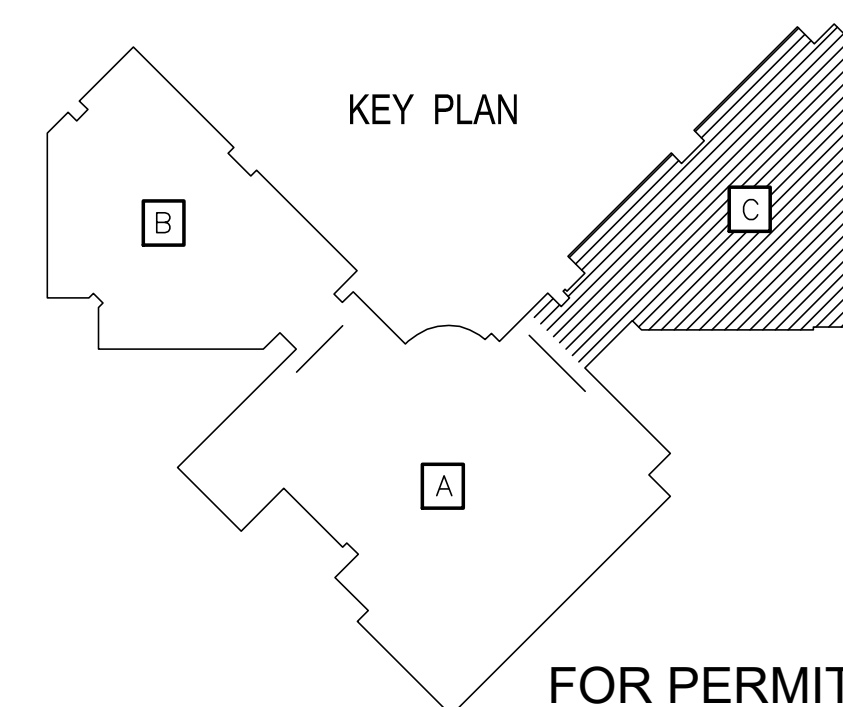


MATCH LINE



**LEVEL 2 PLAN - AREA "C" - PLUMBING**

SCALE: 3/32" = 1'-0"



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OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

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 THE ALEX GROUP, LLC  
 CIVIL ENGINEERING & CONSTRUCTION  
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 Professional & Consulting Engineers  
 276 E. Finney Mills Rd. Suite 108 Ft. Worth, TX 76106  
 Phone: 817.329.6400 Fax: 817.329.6404  
 www.thealexgroup.net

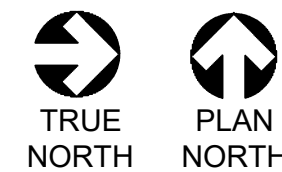
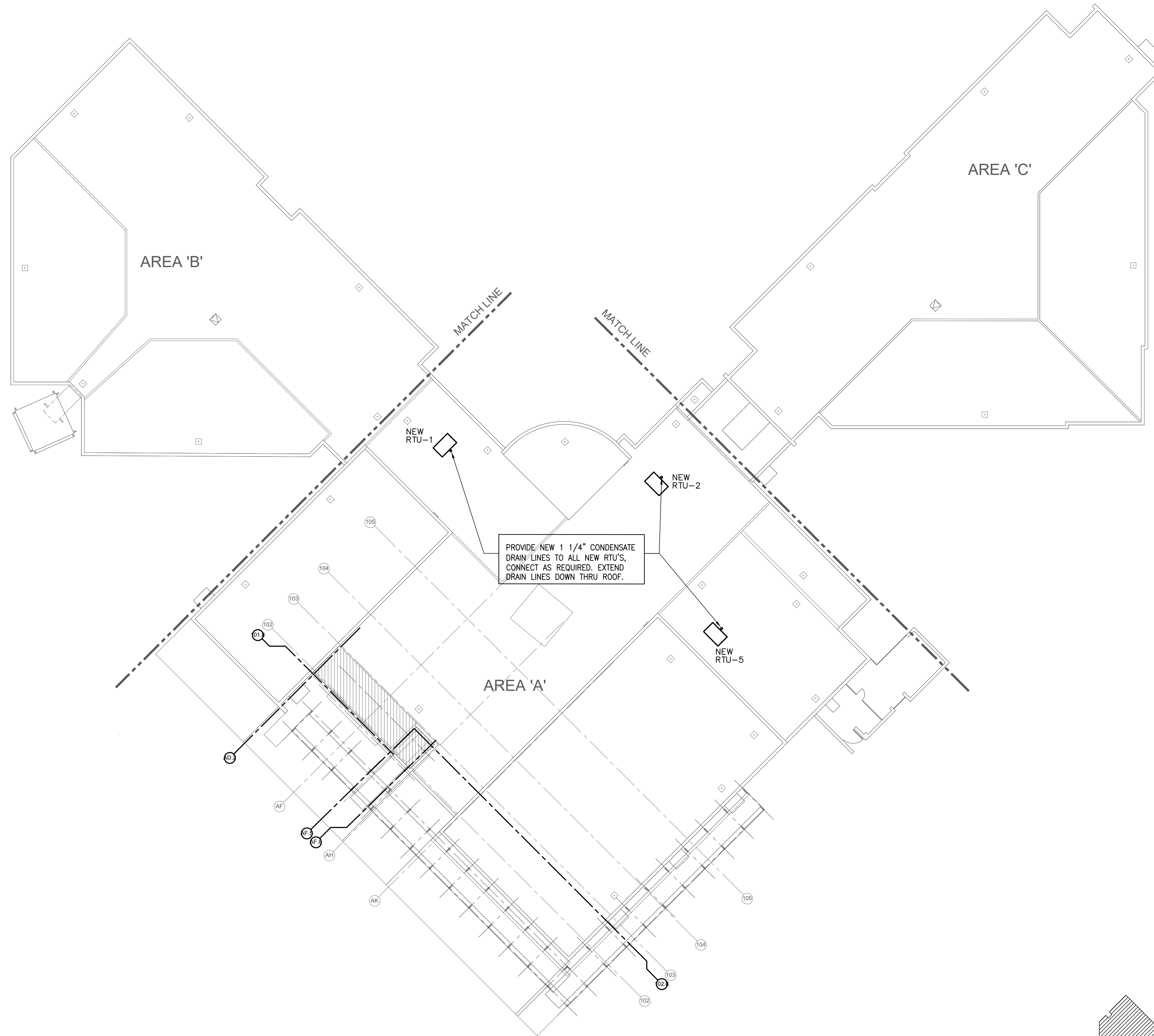
CONSULTANT SEAL:  
 F-6580  
  
 08/18/23

Revisions	Issues
xx/xx/xxxx	2 xxx

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

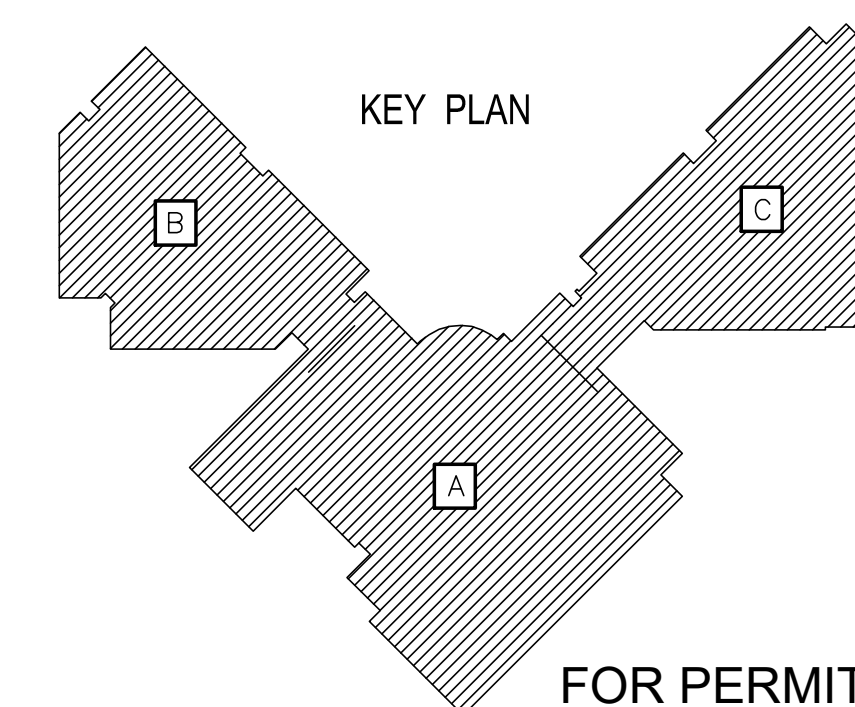
SHEET NAME:  
**LEVEL 2 PLAN - AREA "C" - PLUMBING**

Job 1025202  
 Date 11-18-2022  
 Drawn  
 Check  
 PRF  
 Sheet **P1.05**  
 Of SHEETS



**ROOF PLAN - PLUMBING**

SCALE: 3/64 = 1'-0"



FOR PERMIT ONLY

OWNER:  
**DALLAS**  
 INDEPENDENT SCHOOL DISTRICT  
 9400 N. CENTRAL EXPRESSWAY, 8TH FLOOR  
 DALLAS TEXAS 75231

ARCHITECT:  
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CONSULTANT SEAL:  
 F-6580  
 STATE OF TEXAS  
 DAN H. KAZATSKER  
 08/18/23

Revisions	Issues
△ xxx/xx/xxxx	② xxx

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.

BOND2020  
 OUR CHILDREN. OUR COMMUNITY. OUR FUTURE.

SHEET NAME:  
**ROOF PLAN - PLUMBING**

Job	1025202
Date	11-18-2022
Drawn	
Check	
PRF	
Sheet	<b>P2.01</b>
Of	SHEETS



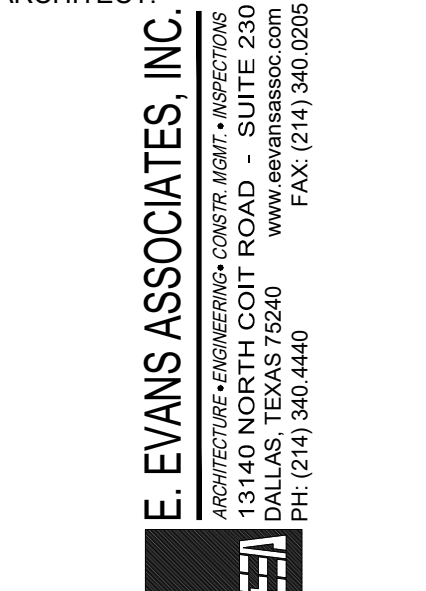
**GENERAL NOTES**

- 1. ALL RACEWAY BEZEL'S, CONDUIT, CABLE TRAY, CABLE TRAY FIRE STOPS, OUTLET BOXES, PULL BOXES, RISER AND SLEEVES, GROUND BONDING OF EMPTY RACEWAYS, AS SHOWN OR SPECIFIED HEREIN MUST BE COORDINATED WITH ELECTRICAL AND ARCHITECTURAL DRAWINGS FOR POSITION AND LOCATION U.N.O.
- 2. LOCATIONS OF SYMBOLS SHOWN ON "I" SERIES DRAWING ARE NOT TO BE CONSTRUED AS THE APPROVED LOCATION FOR THE DEVICE. REFER TO THE ELECTRICAL AND ARCHITECTURAL PLANS AND ELEVATIONS FOR THE APPROVED LOCATIONS.
- 3. IN THE EVENT OF CONFLICTS IN SYMBOLS, THOSE SHOWN HEREON SHALL APPLY TO THE "I" SERIES DRAWINGS ONLY.
- 4. ALL TELECOM WIRING SHALL BE PLACED IN CONDUIT OR CABLE TRAY.
- 5. WORK STATION CABLE NOT TO EXCEED 295' CIRCUIT LENGTH.
- 6. OUTLET BOXES REFERENCE PRODUCTS: TYPICAL BOX IS 4-11/16"SQ. X 2-1/2" DP. WITH 5/8" RAISED DEVICE RING.

**RESPONSIBILITY MATRIX**

DALLAS ISD ORGANIZATION	DALLAS ISD DEPT/DIV/GROUP	BUILDING SYSTEM	DESCRIPTION: EQUIPMENT & DEVICE	EQUIPMENT & DEVICES DESIGNAED & DOCUMENTED FOR CONSTRUCTION BY	PATHWAYS, CABLE RAYS, CONDUIT, BACKBOXES, ET AL DESIGNAED & DOCUMENTED FOR CONSTRUCTION BY	EQUIPMENT & DEVICES PROVIDE AND INSTALLED BY	PATHWAYS, CABLE RAYS, CONDUIT, BACKBOXES, ET AL PROVIDE AND INSTALLED BY	POWER PROVIDE 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-IDFN	IT-Fiber Contractor	A/E (including civil pods, vaults)	IT-Fiber Contractor	CS-General Contractor (including civil pods, vaults)	N/A
IT	Infrastructure	Network	Fiber Optic Cabling - Dark Fiber	IT-Fiber Contractor	A/E (including civil pods, vaults)	IT-Fiber Contractor	CS-General Contractor (including civil pods, vaults)	N/A
IT	Infrastructure	Network	Fiber Optic Backbone Cabling - MDF to IDFs	IT-Fiber Contractor	A/E	IT-Fiber Contractor	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	Network	MDF/IDF Lighting 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-Consultant	A/E	IT-Network Equipment Contractor	CS-General Contractor	N/A
IT	Infrastructure	Network	Cabling	A/E IT-Consultant	A/E	IT-Cabling Contractor	CS-General Contractor	N/A
IT	Infrastructure	Network	Patch Panels	A/E IT-Consultant	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-Consultant	N/A	IT-Technology Contractor	N/A	N/A
IT	Infrastructure	Network	Biometric Clocks (Bioclocks)	A/E	A/E	Cabling by IT-Cabling Contractor. Devices provided by CS-GC purchased from IT-Biometric Clock Vendor	CS-General Contractor	PDE 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 Contractor	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 Panel Sound System	A/E	N/A	CS-General Contractor	N/A	N/A
IT	Audio-Visual	Distributed Audio-Video Communications Systems	Interactive Displays	IT/AV 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	Auditoriums: 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-Purchase Rooms: Sound System	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
IT	Audio-Visual	Audio-Visual	Cafeteriums: Sound System	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
IT	Audio-Visual	Audio-Visual	Cafeteriums: 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	Gymnasiums: 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 Devices	CSS Security Contractor	N/A	CSS-Security Contractor	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	CCS/EM	Strom 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 Electrical	UPS (Non-Network)	Storm Shelter Power and Monitoring, Generator or Battery	A/E	A/E	CS-General Contractor	CS-General Contractor	CS-General Contractor
IT/Police	CSS/EM	Secure Vestible	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 Power Supply	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

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CONSULTANT SEAL:

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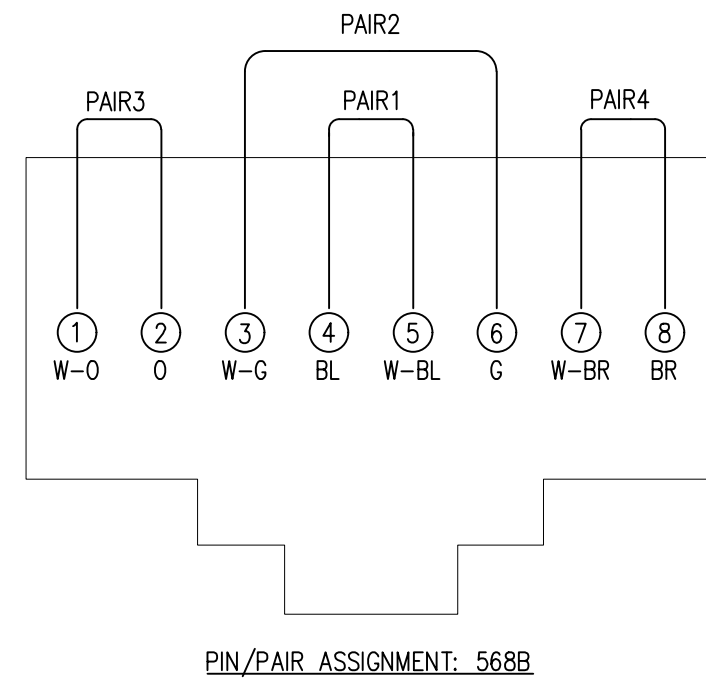

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.



SHEET NAME:  
**TECHNOLOGY NOTES**

Job 1025202  
 Date 08-23-2023  
 Drawn CF  
 Check PRF  
 Sheet T0.1  
 Of SHEETS





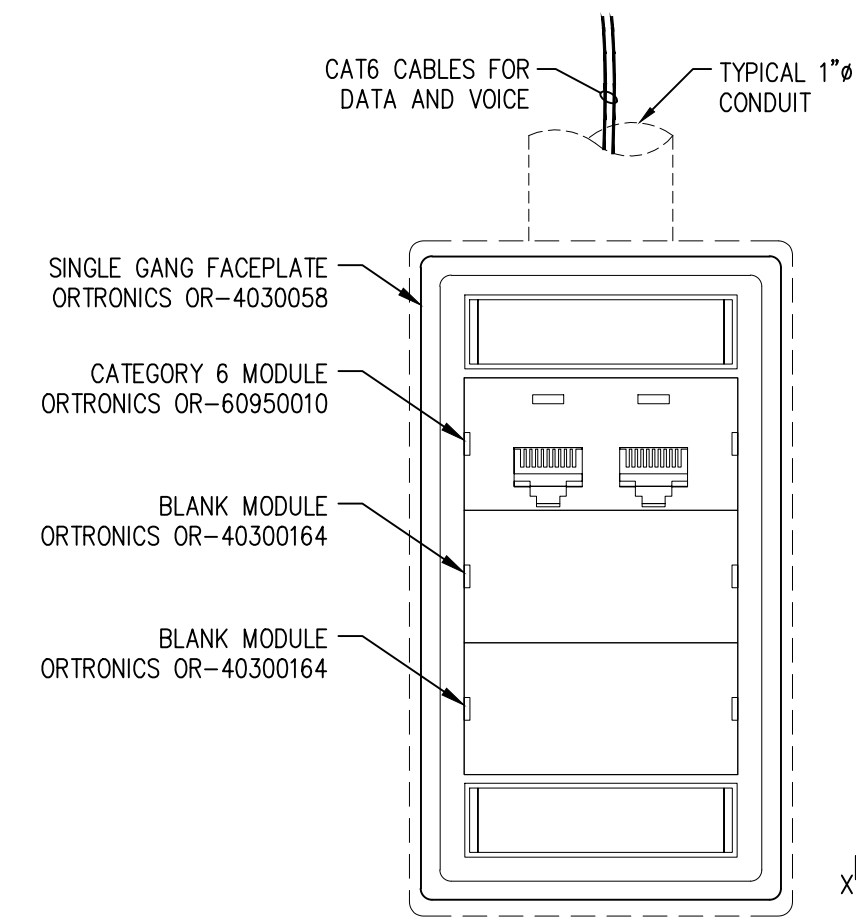
**NOTES:**

1. ALL CABLES SHALL BE TERMINATED TO AN 8 POSITION MODULAR JACK.
2. ALL TERMINATED DATA/TELECOM CABLING SHALL ADHERE TO T568B CABLING STANDARDS.
3. COLOR SELECTION:  
VOICE JACK - FOG WHITE  
DATA JACK - FOG WHITE  
FACE PLATE - FOG WHITE  
VOICE CABLES - GREY  
DATA CABLES - BLUE

PIN/PAIR ASSIGNMENT: 568B

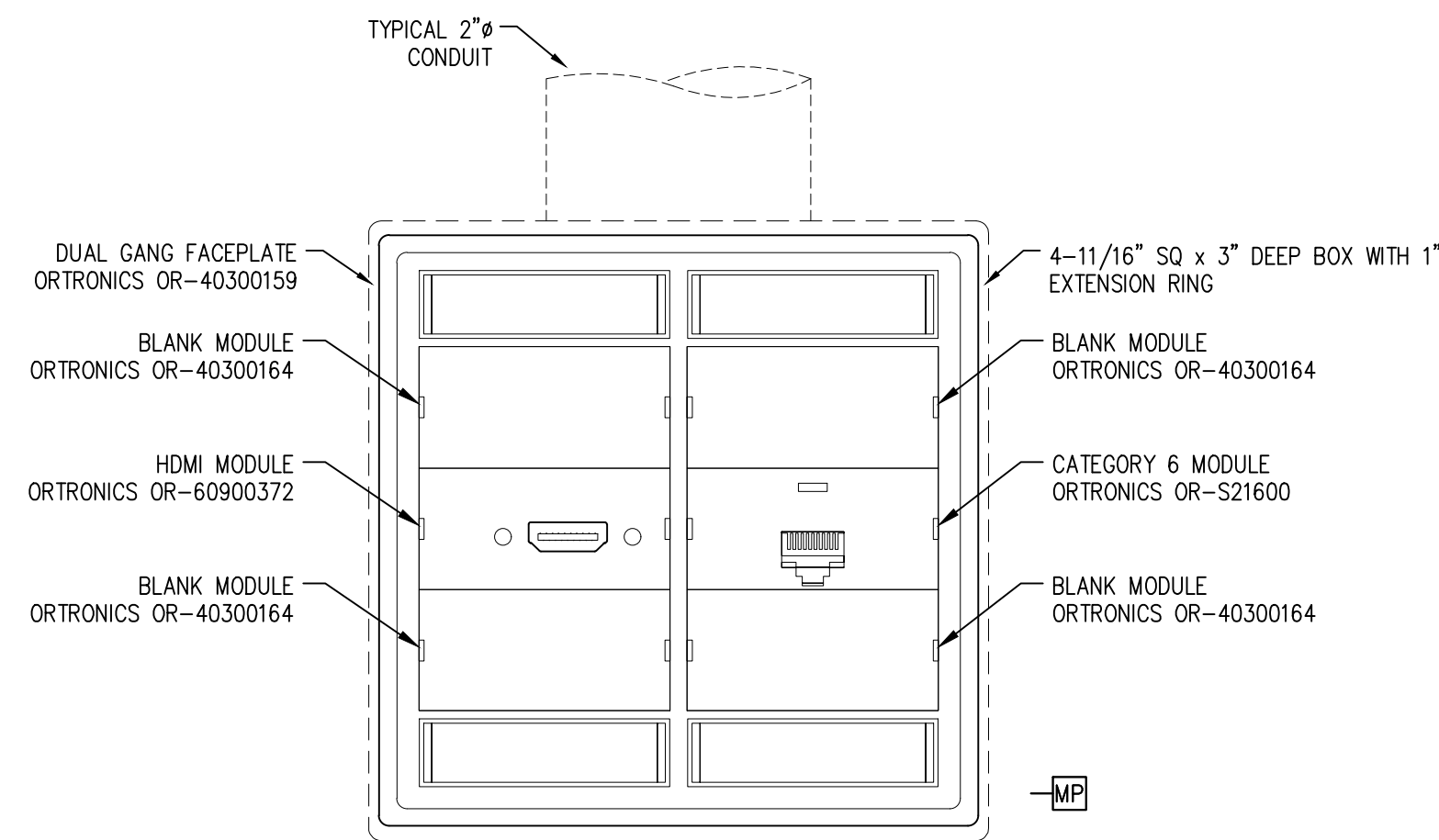
**DETAIL - 568B CONNECTOR WIRING**

SCALE: N.T.S.



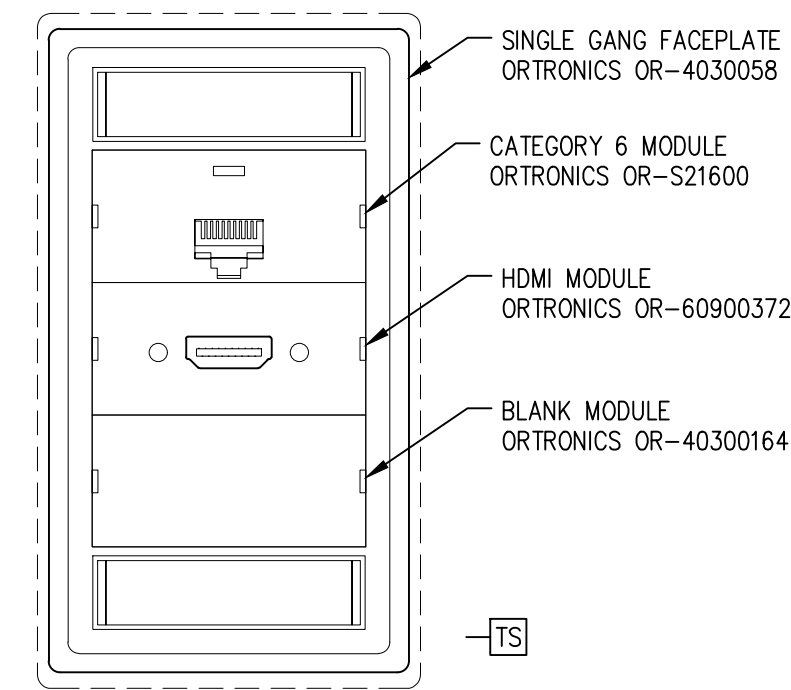
**DETAIL TYPICAL DATA/VOICE OUTLET**

2 SCALE: 3/4" = 1"



**DETAIL TEACHING WALL MULTI-MEDIA OUTLET**

3 SCALE: 3/4" = 1"



**DETAIL TOUCH SCREEN OUTLET**

4 SCALE: 3/4" = 1"

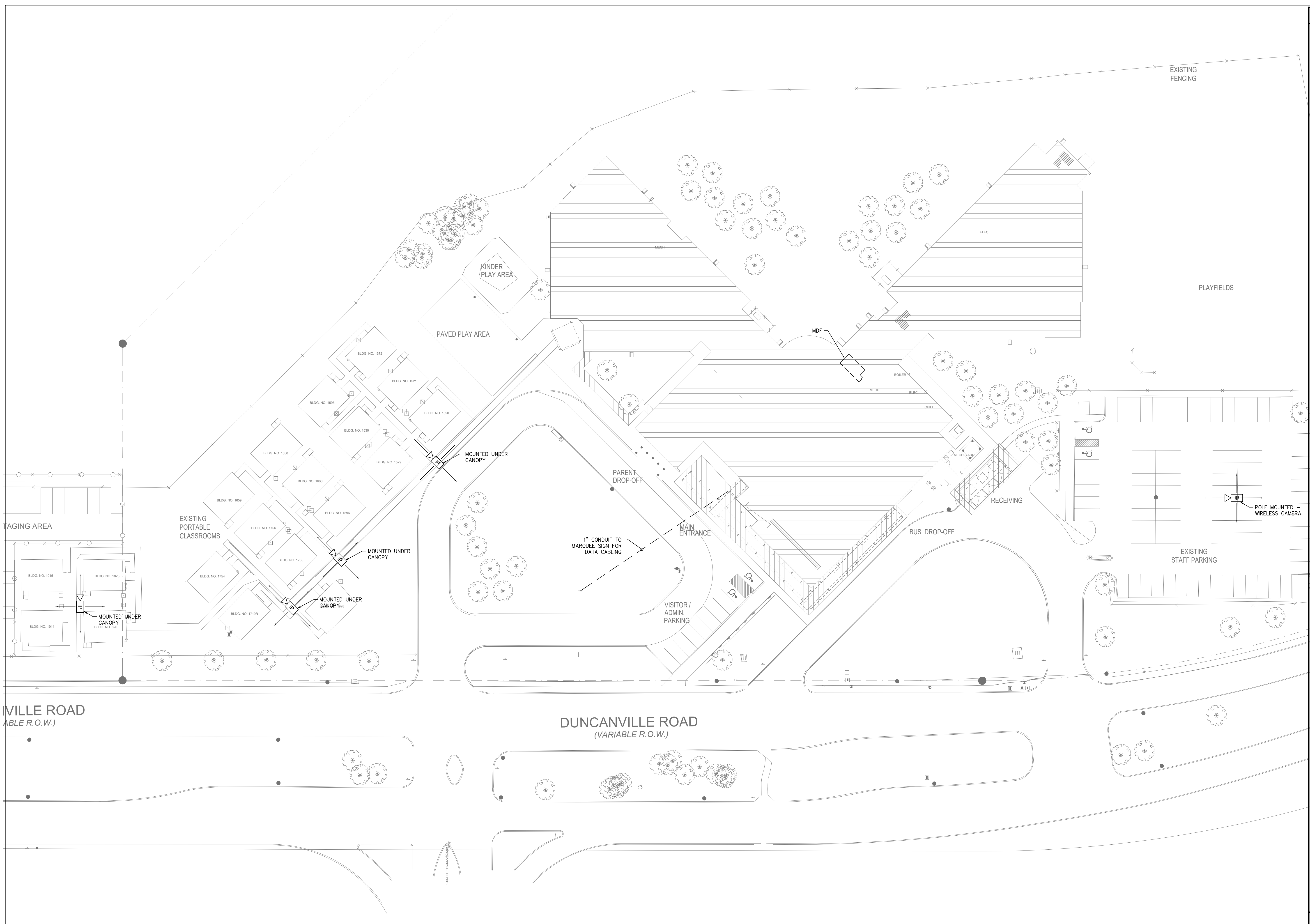
NOTE:  
MOUNT AT 4'-8" ABOVE FINISHED FLOOR TO CENTER OF OUTLET BOX. COORDINATE WITH TOUCH SCREEN LOCATION.

**SYMBOL LEGEND**

- DATA OUTLET. (X) = QUANTITY OF CAT6 CABLES. IF NO QUANTITIES ARE INDICATED PROVIDE TWO (2) DATA CABLES. 4-11/16" SQ. X 3-1/2" DP. BOX WITH SINGLE GANG DEVICE RING. MOUNTED AT BUILDING STANDARD OUTLET HEIGHT UNLESS OTHERWISE NOTED.
- MP TEACHING WALL MULTI-MEDIA OUTLET. PROVIDE CONNECTORS AND CABLES FOR ONE (1) SINGLE CAT6, ONE (1) DUPLEX CAT6, ONE (1) HDMI, ONE (1) 3-CONNECTOR RCA (1) CABLE, ONE (1) VGA CABLE ON A 4-11/16" SQ. X 3" DP. BOX WITH A 1" EXTENSION RING. MOUNTED AT 1'-3" ABOVE FINISHED FLOOR TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.
- TS TOUCH SCREEN OUTLET. 4-11/16" SQ. X 3-1/2" DP. BOX WITH SINGLE GANG DEVICE RING. REFERENCE DETAIL 1/T-7.01 FOR MOUNTING LOCATION AND HEIGHT.
- WAP DATA OUTLET FOR DIRECT CONNECTION TO WIRELESS ACCESS POINT DEVICE. PROVIDE ONE (1) CAT6 CABLES TERMINATED WITH FEMALE 8-PIN CONNECTORS. PROVIDE TWENTY-FIVE (25) FOOT OF CABLE SERVICE LOOP AT ACCESS POINT.
- WAP WALL DATA OUTLET FOR DIRECT CONNECTION TO WIRELESS ACCESS POINT DEVICE. PROVIDE ONE (1) CAT6 CABLES TERMINATED WITH FEMALE 8-PIN CONNECTORS. PROVIDE TWENTY-FIVE (25) FOOT OF CABLE SERVICE LOOP AT ACCESS POINT.
- MD1 TYPE 1 WALL MOUNTED MOTION DETECTOR. MOUNTED 7'-6" ABOVE FINISHED FLOOR. DETECTOR EQUAL TO NAPCO PIR1510.
- MD2 TYPE 2 WALL MOUNTED MOTION DETECTOR. MOUNTED 7'-6" ABOVE FINISHED FLOOR. DETECTOR EQUAL TO NAPCO PIR1680.
- CR CARD READER. 4-11/16" SQ. X 2-1/8" DP. BOX WITH SINGLE GANG TRIM RING FLUSH MOUNTED IN CEILING. ROUTE CONDUIT TO ACCESSIBLE CEILING OR CABLE TRAY.
- KP KEY PAD. 4-11/16" SQ. X 2-1/8" DP. BOX WITH SINGLE GANG TRIM RING FLUSH MOUNTED IN CEILING. ROUTE CONDUIT TO ACCESSIBLE CEILING OR CABLE TRAY.
- ICM VIDEO INTERCOM MASTER STATION. COORDINATE MOUNTING WITH ARCHITECT.
- IC VIDEO INTERCOM STATION. COORDINATE INSTALLATION AND MOUNTING WITH DOOR AND/OR WINDOW MULLION.
- DR DOOR RELEASE.
- DS DOOR SWITCH.
- JB JUNCTION BOXES. UNLESS OTHERWISE NOTED ON DRAWINGS, BOXES TO BE SIZED AS REQUIRED BY CONTRACTOR, ENAMEL PAINTED, AND CONSTRUCTED OF GALVANIZED STEEL WITH KEY LOCKING DOOR. BOXES TO BE SURFACE MOUNTED 5'-6" ABOVE FINISHED FLOOR. PROVIDED FOR INTRUSION DETECTOR EXPANSION MODULE. PROVIDE 1" CONDUIT STUB-OUT TO ACCESSIBLE CEILING.
- MD1 TYPE 1 CEILING MOUNTED MOTION DETECTOR. PROVIDE STANDARD OCTAGONAL BACK BOX. DETECTOR EQUAL TO BOSCH DS938Z.
- MD2 TYPE 2 CEILING MOUNTED MOTION DETECTOR. PROVIDE STANDARD OCTAGONAL BACK BOX. DETECTOR EQUAL TO BOSCH ISN-CC1.
- DS DOOR POSITION SWITCH.
- IP1 CEILING MOUNTED FIXED SURVEILLANCE CAMERA. 4-11/16" SQ. X 2-1/8" DP. BOX WITH SINGLE GANG TRIM RING FLUSH MOUNTED IN CEILING. ROUTE CONDUIT TO ACCESSIBLE CEILING OR CABLE TRAY.
- IP2 WALL MOUNTED FIXED SURVEILLANCE CAMERA. 4-11/16" SQ. X 2-1/8" DP. BOX WITH DOUBLE GANG TRIM RING FLUSH MOUNTED IN CEILING. ROUTE CONDUIT TO ACCESSIBLE CEILING OR CABLE TRAY.
- EX EXTERIOR WALL MOUNTED FIXED SURVEILLANCE CAMERA. 4-11/16" SQ. X 2-1/8" DP. BOX WITH DOUBLE GANG TRIM RING FLUSH MOUNTED IN CEILING. ROUTE CONDUIT TO ACCESSIBLE CEILING OR CABLE TRAY.

CONSULTANT SEAL:

Revisions	Issues



OWNER:  
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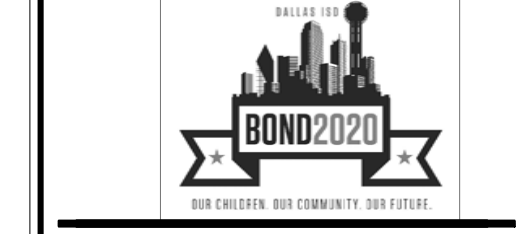
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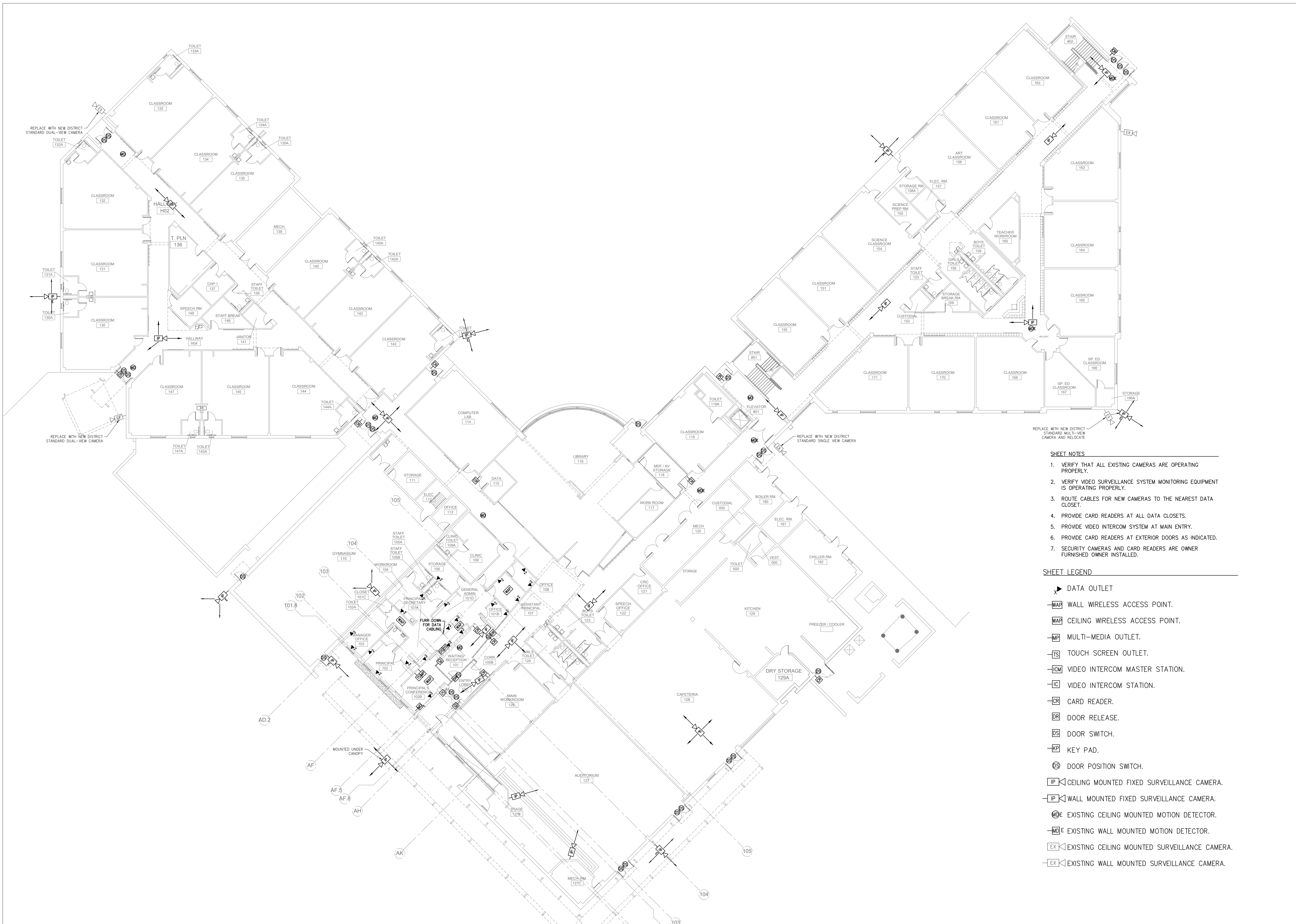
Revisions	Issues

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**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.



SHEET NAME:  
**TECHNOLOGY SITE PLAN**

Job 1025202  
 Date 08-23-2023  
 Drawn CF  
 Check PRF  
 Sheet **T1.0**  
 of SHEETS



OWNER:  
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CONSULTANT SEAL:

Revisions	Issues

- SHEET NOTES**
1. VERIFY THAT ALL EXISTING CAMERAS ARE OPERATING PROPERLY.
  2. VERIFY VIDEO SURVEILLANCE SYSTEM MONITORING EQUIPMENT IS OPERATING PROPERLY.
  3. ROUTE CABLES FOR NEW CAMERAS TO THE NEAREST DATA CLOSET.
  4. PROVIDE CARD READERS AT ALL DATA CLOSETS.
  5. PROVIDE VIDEO INTERCOM SYSTEM AT MAIN ENTRY.
  6. PROVIDE CARD READERS AT EXTERIOR DOORS AS INDICATED.
  7. SECURITY CAMERAS AND CARD READERS ARE OWNER FURNISHED OWNER INSTALLED.

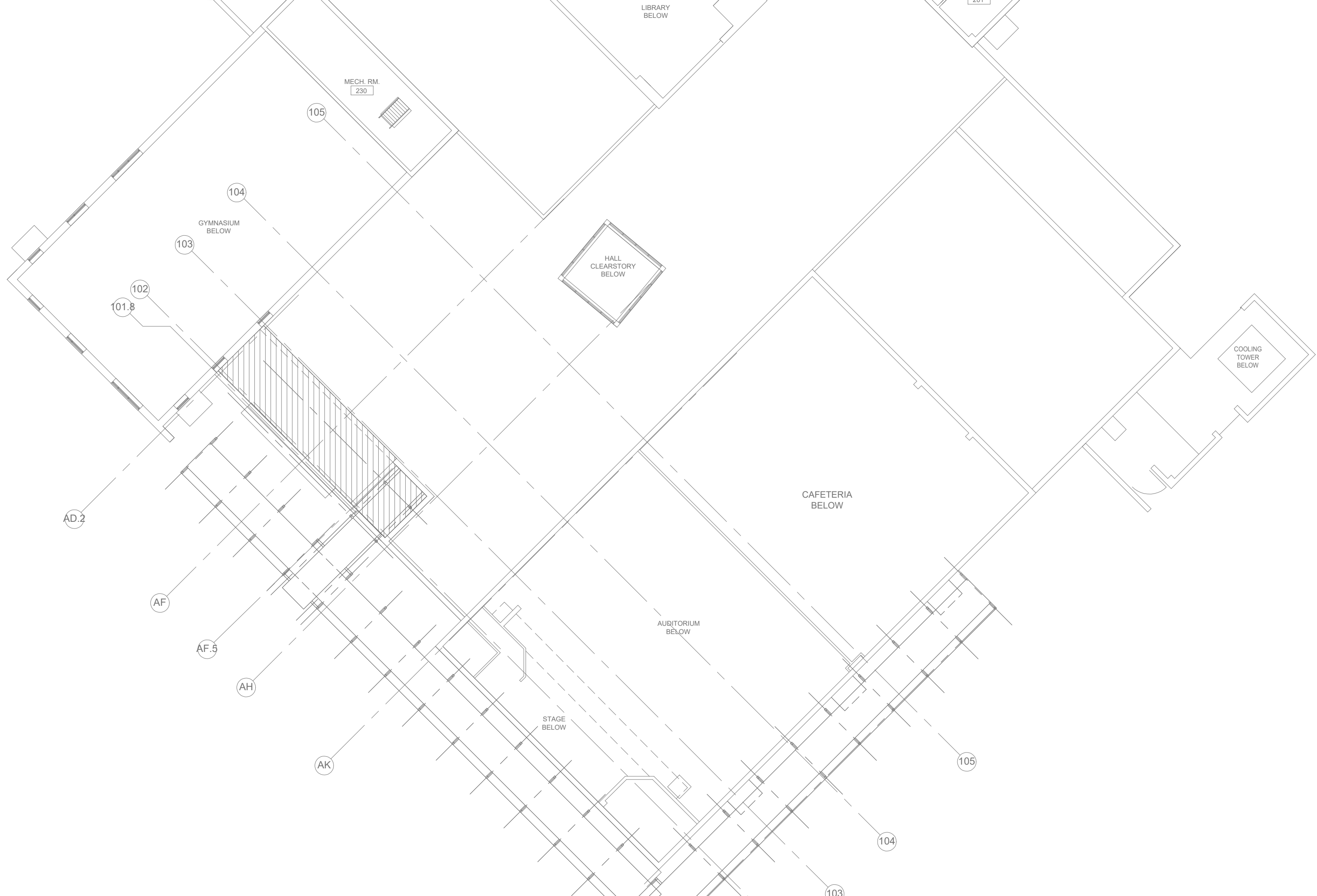
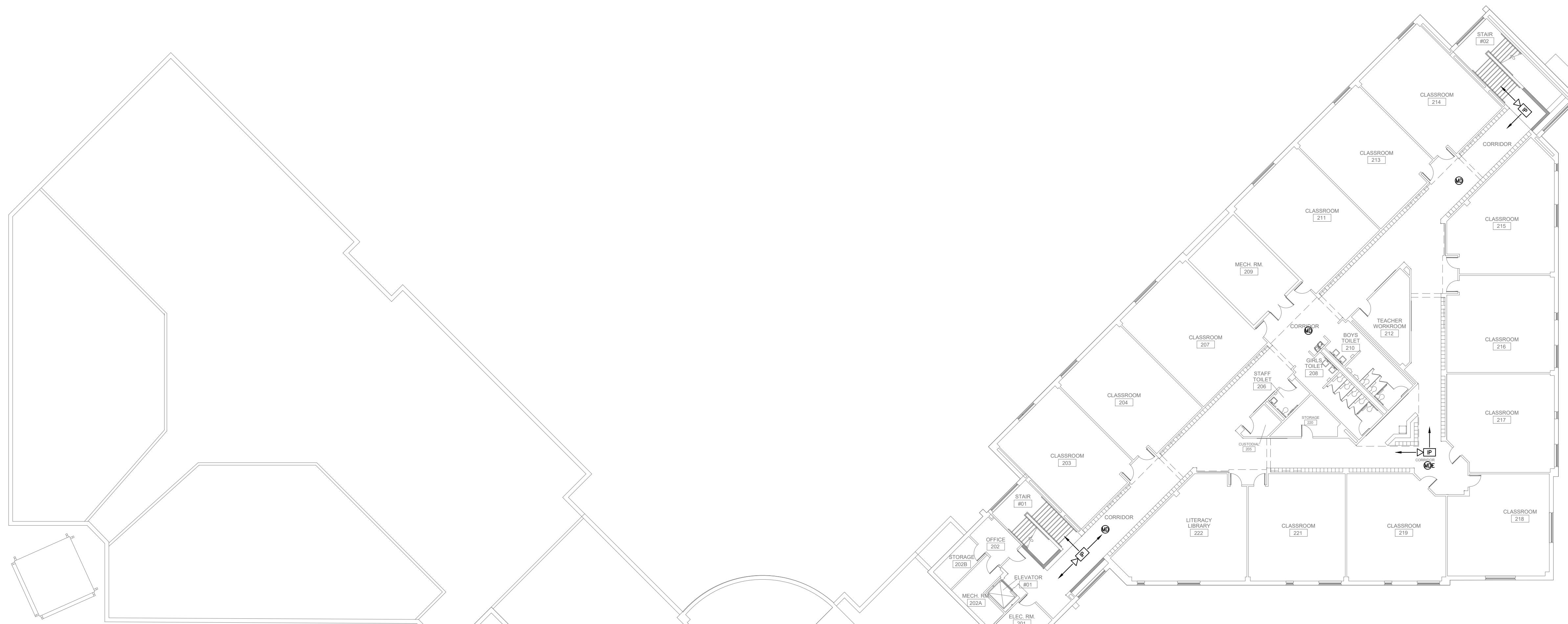
- SHEET LEGEND**
- ▶ DATA OUTLET
  - WAP WALL WIRELESS ACCESS POINT.
  - WAP CEILING WIRELESS ACCESS POINT.
  - MP MULTI-MEDIA OUTLET.
  - TS TOUCH SCREEN OUTLET.
  - ICM VIDEO INTERCOM MASTER STATION.
  - IC VIDEO INTERCOM STATION.
  - CR CARD READER.
  - DR DOOR RELEASE.
  - DS DOOR SWITCH.
  - KP KEY PAD.
  - DS DOOR POSITION SWITCH.
  - IP CEILING MOUNTED FIXED SURVEILLANCE CAMERA.
  - IP WALL MOUNTED FIXED SURVEILLANCE CAMERA.
  - MD E EXISTING CEILING MOUNTED MOTION DETECTOR.
  - MD E EXISTING WALL MOUNTED MOTION DETECTOR.
  - EX EXISTING CEILING MOUNTED SURVEILLANCE CAMERA.
  - EX EXISTING WALL MOUNTED SURVEILLANCE CAMERA.

DISD - 2020 BOND PROGRAM - ORG. NO. 274  
**MARY MCLEOD BETHUNE**  
 ELEMENTARY SCHOOL RENOVATIONS  
 1665 DUNCANVILLE ROAD - DALLAS, TX.



SHEET NAME:  
**TECHNOLOGY  
 LEVEL 1 COMPOSITE  
 FLOOR PLAN**

Job 1025202  
 Date 08-23-2023  
 Drawn CF  
 Check PRF  
 Sheet **T1.1**  
 Of SHEETS



AREA = 16,215 S.F.

- SHEET NOTES**
1. VERIFY THAT ALL EXISTING CAMERAS ARE OPERATING PROPERLY.
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  3. ROUTE CABLES FOR NEW CAMERAS TO THE NEAREST DATA CLOSET.
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- SHEET LEGEND**
- ▶ DATA OUTLET
  - WAP WALL WIRELESS ACCESS POINT.
  - WAP CEILING WIRELESS ACCESS POINT.
  - MP MULTI-MEDIA OUTLET.
  - TS TOUCH SCREEN OUTLET.
  - ICM VIDEO INTERCOM MASTER STATION.
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  - CR CARD READER.
  - DR DOOR RELEASE.
  - DS DOOR SWITCH.
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  - DS DOOR POSITION SWITCH.
  - IP CEILING MOUNTED FIXED SURVEILLANCE CAMERA.
  - IP WALL MOUNTED FIXED SURVEILLANCE CAMERA.
  - ME EXISTING CEILING MOUNTED MOTION DETECTOR.
  - ME EXISTING WALL MOUNTED MOTION DETECTOR.
  - EX EXISTING CEILING MOUNTED SURVEILLANCE CAMERA.
  - EX EXISTING WALL MOUNTED SURVEILLANCE CAMERA.

OWNER:  
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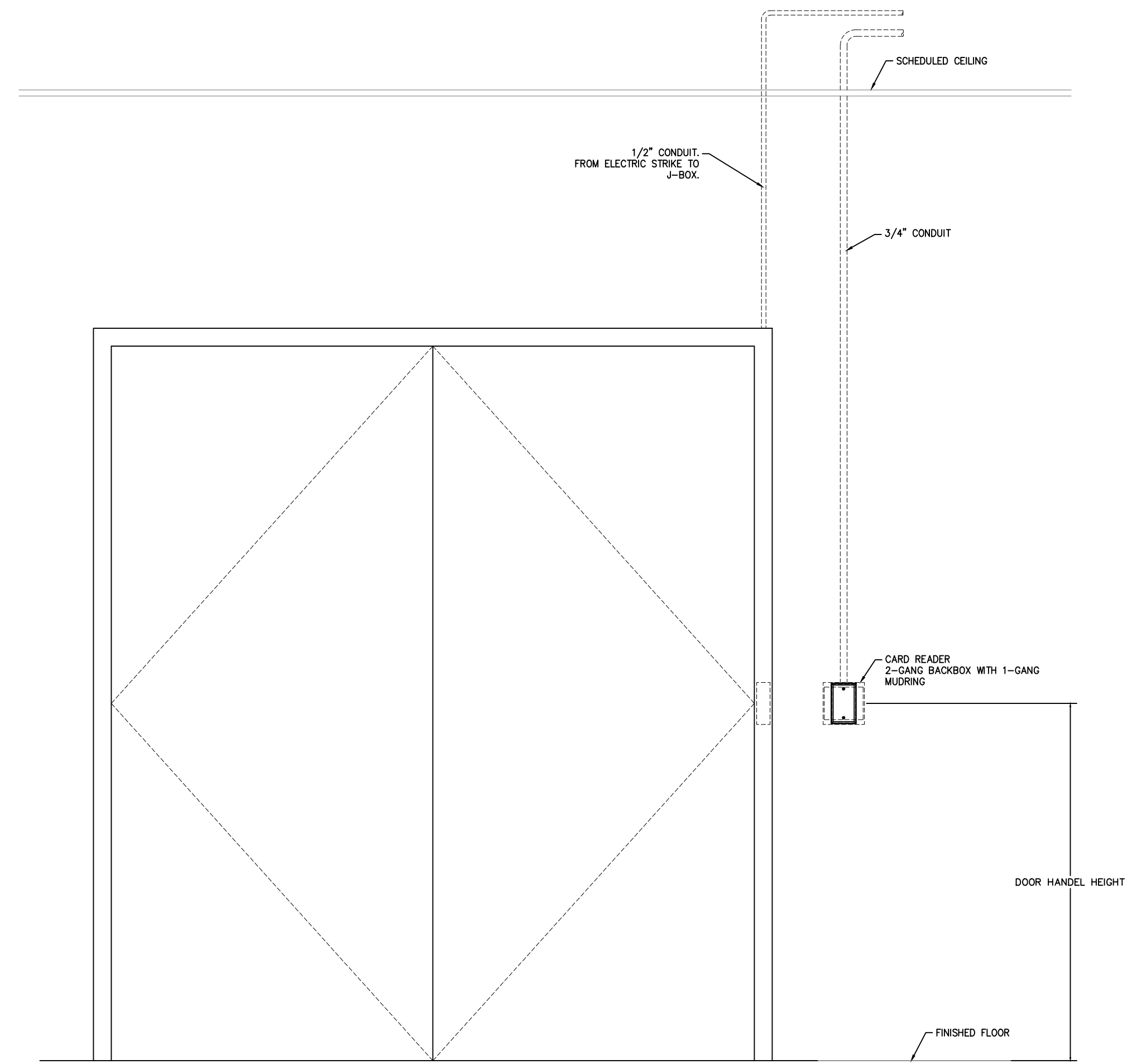
Revisions	Issues

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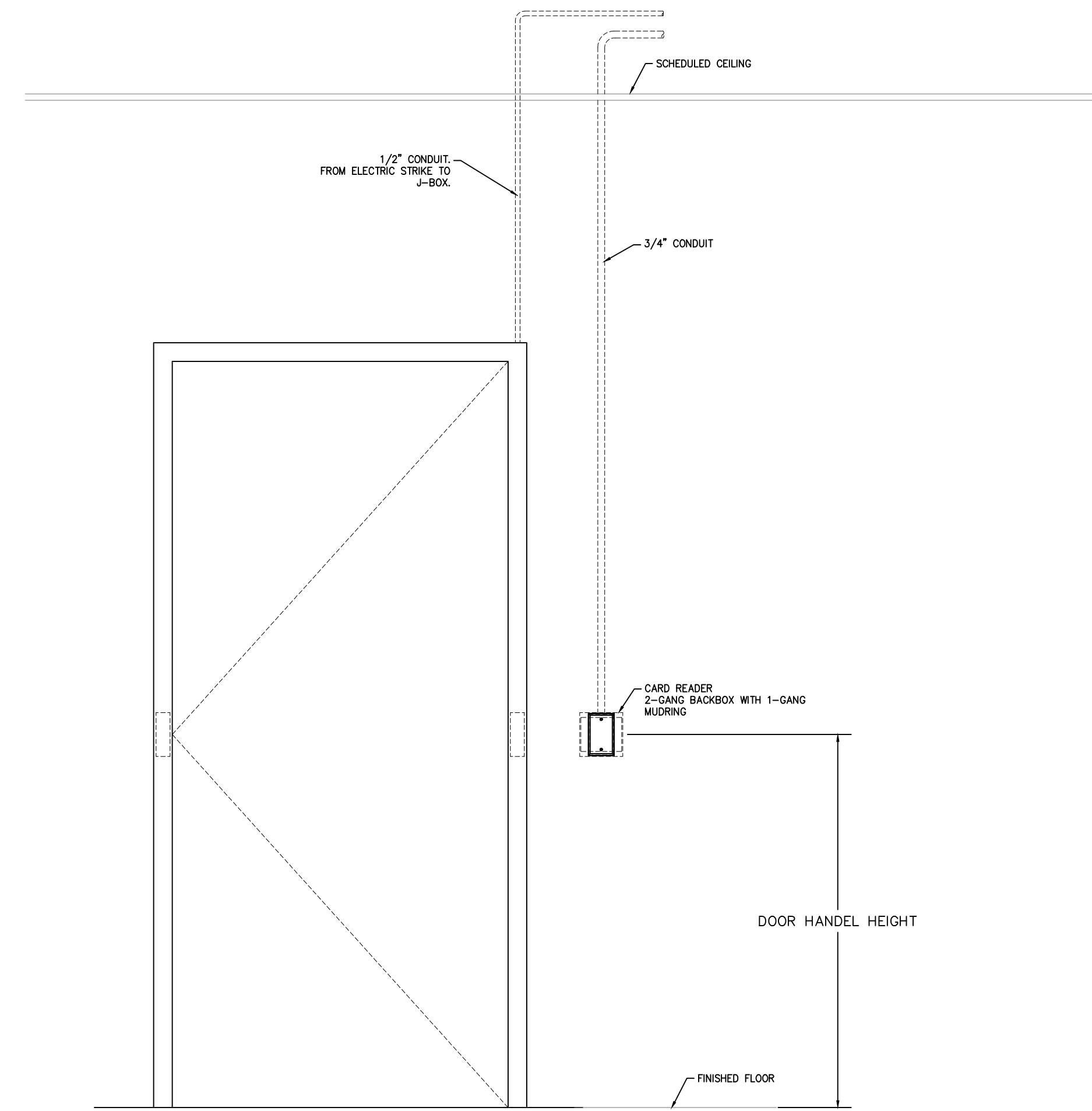


SHEET NAME:  
**TECHNOLOGY  
 LEVEL 2 COMPOSITE  
 FLOOR PLAN**

Job 1025202  
 Date 08-23-2023  
 Drawn CF  
 Check PRF  
 Sheet **T1.2**  
 - Of - SHEETS



**1** DETAIL - CARD READER  
SCALE: N.T.S.



**2** DETAIL - CARD READER  
SCALE: N.T.S.

OWNER:  
**DALLAS**  
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DALLAS INDEPENDENT SCHOOL DISTRICT  
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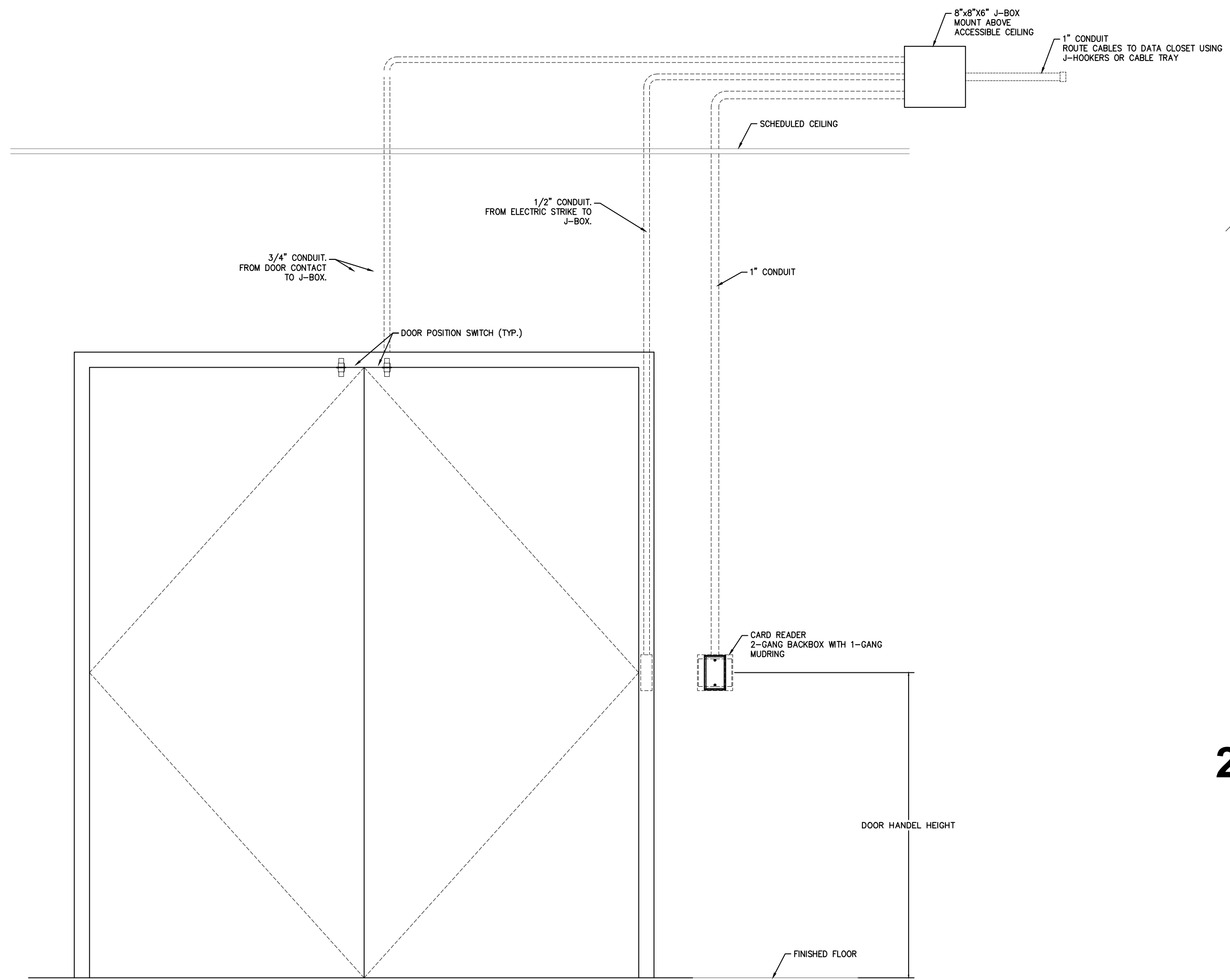
△ Revisions	○ Issues

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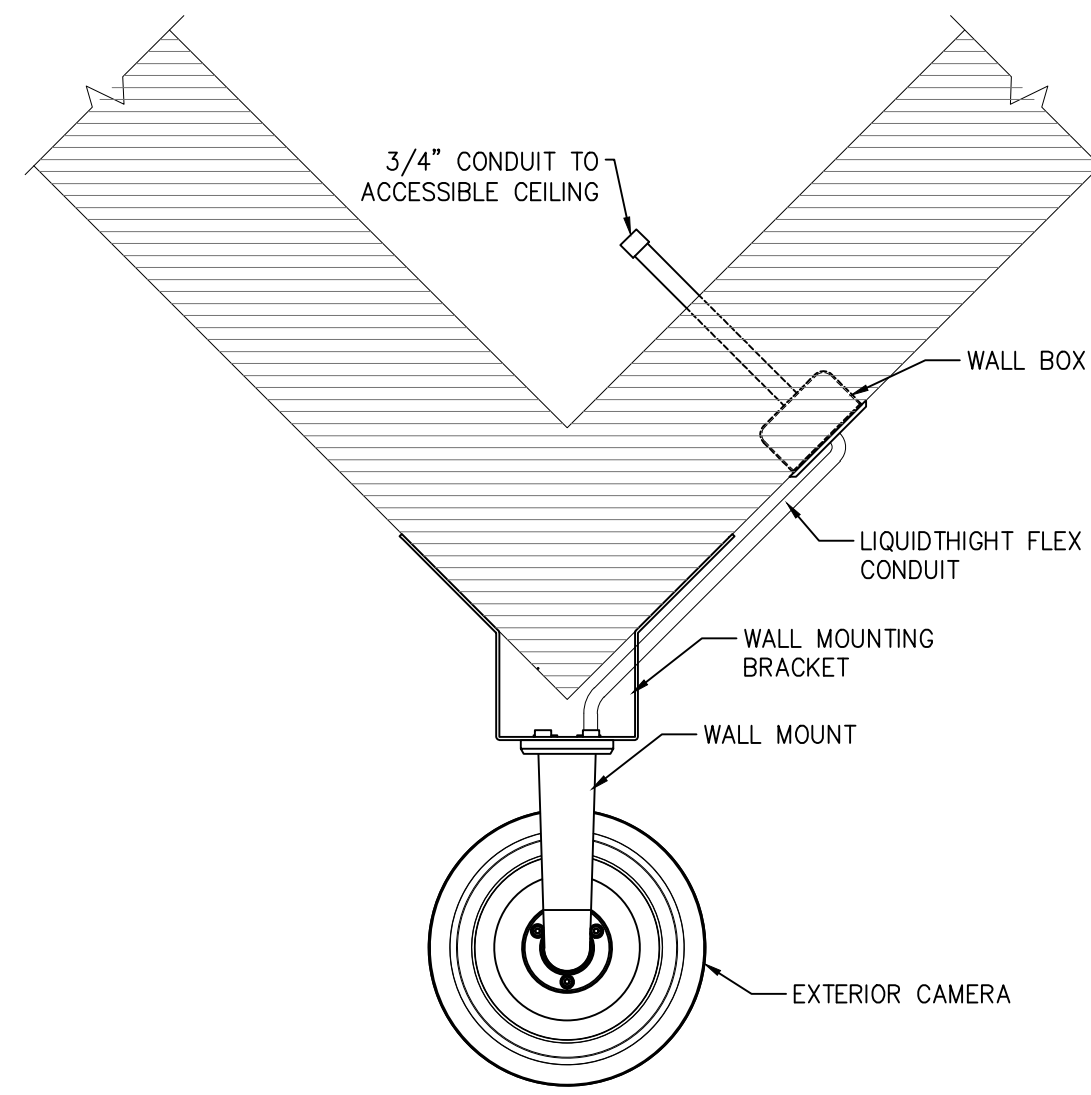


SHEET NAME:  
**TECHNOLOGY  
DETAILS**

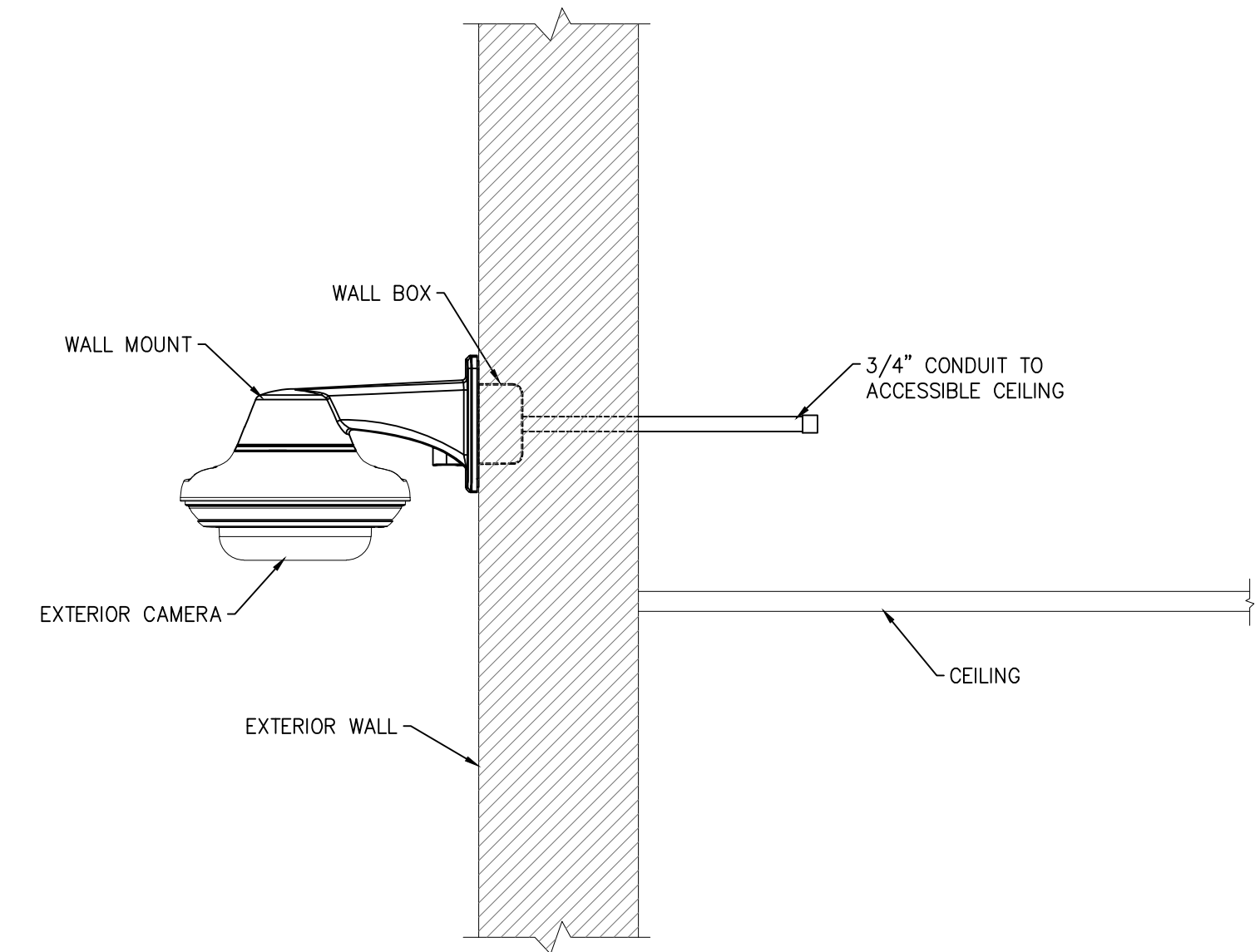
Job 1025202  
Date 08-23-2023  
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Sheet **T7.1**  
Of SHEETS



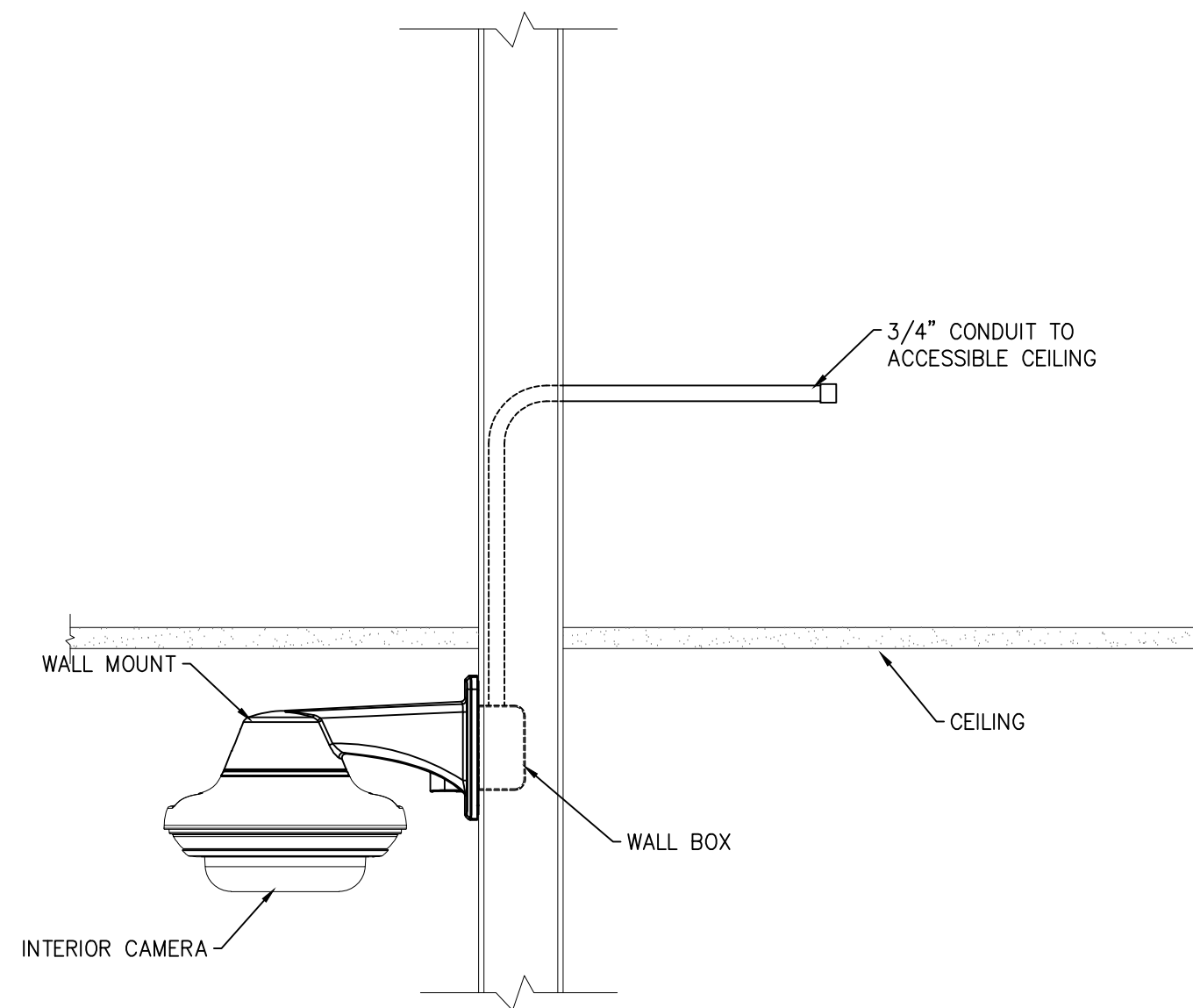
**1 DETAIL - CARD READER**  
SCALE: N.T.S.



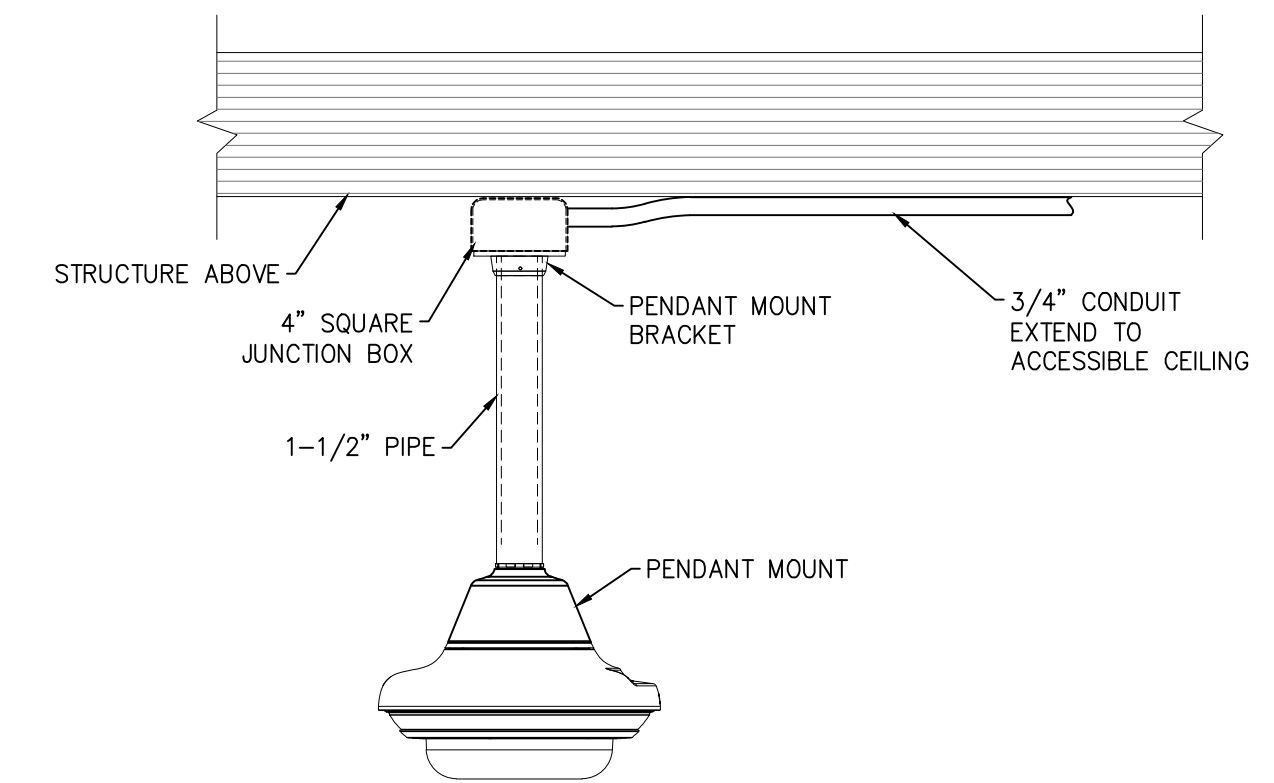
**2 DETAIL - EXTERIOR CAMERA CORNER MOUNT**  
SCALE: N.T.S.



**3 DETAIL - EXTERIOR CAMERA WALL MOUNT**  
SCALE: N.T.S.



**4 DETAIL - INTERIOR CAMERA WALL MOUNT**  
SCALE: N.T.S.



**5 DETAIL - INTERIOR CAMERA PENDANT MOUNT**  
SCALE: N.T.S.

OWNER:  
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