



# NLSD TRUCKING TERMINAL - RENOVATION

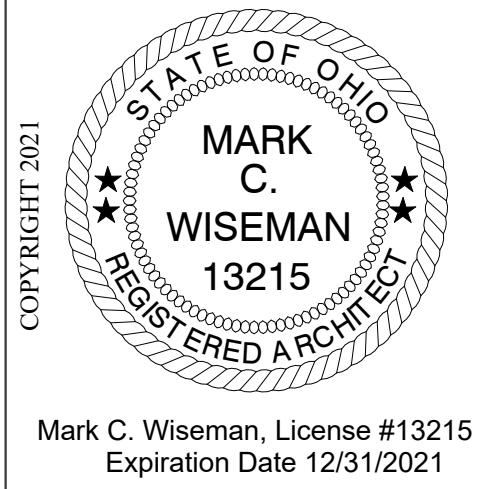
4407 PAYNE AVE.  
DAYTON, OH 45414

## CONSTRUCTION DOCUMENTS

NOVEMBER 2022

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Mark C. Wiseman, License #13215  
Expiration Date 12/31/2021

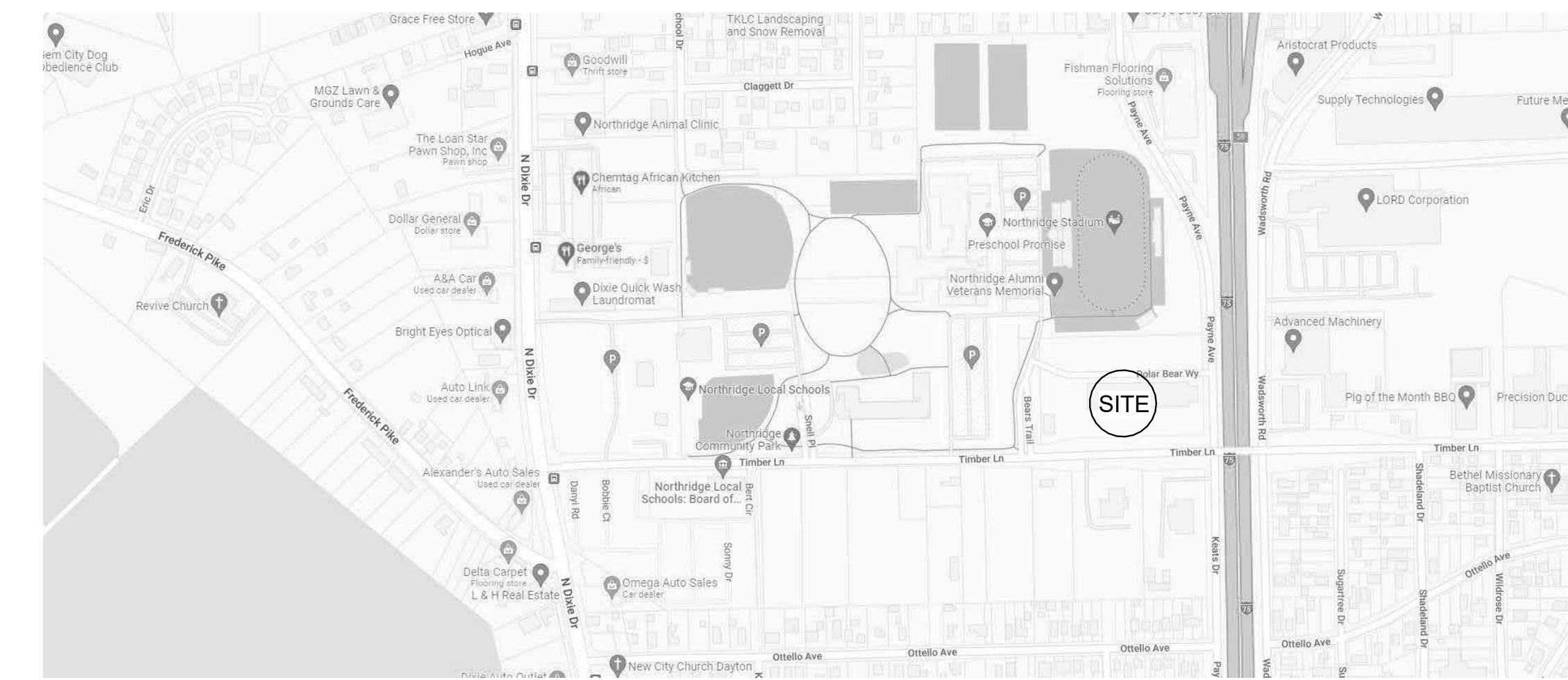
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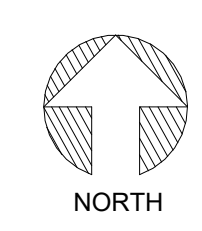
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**VICINITY MAP**



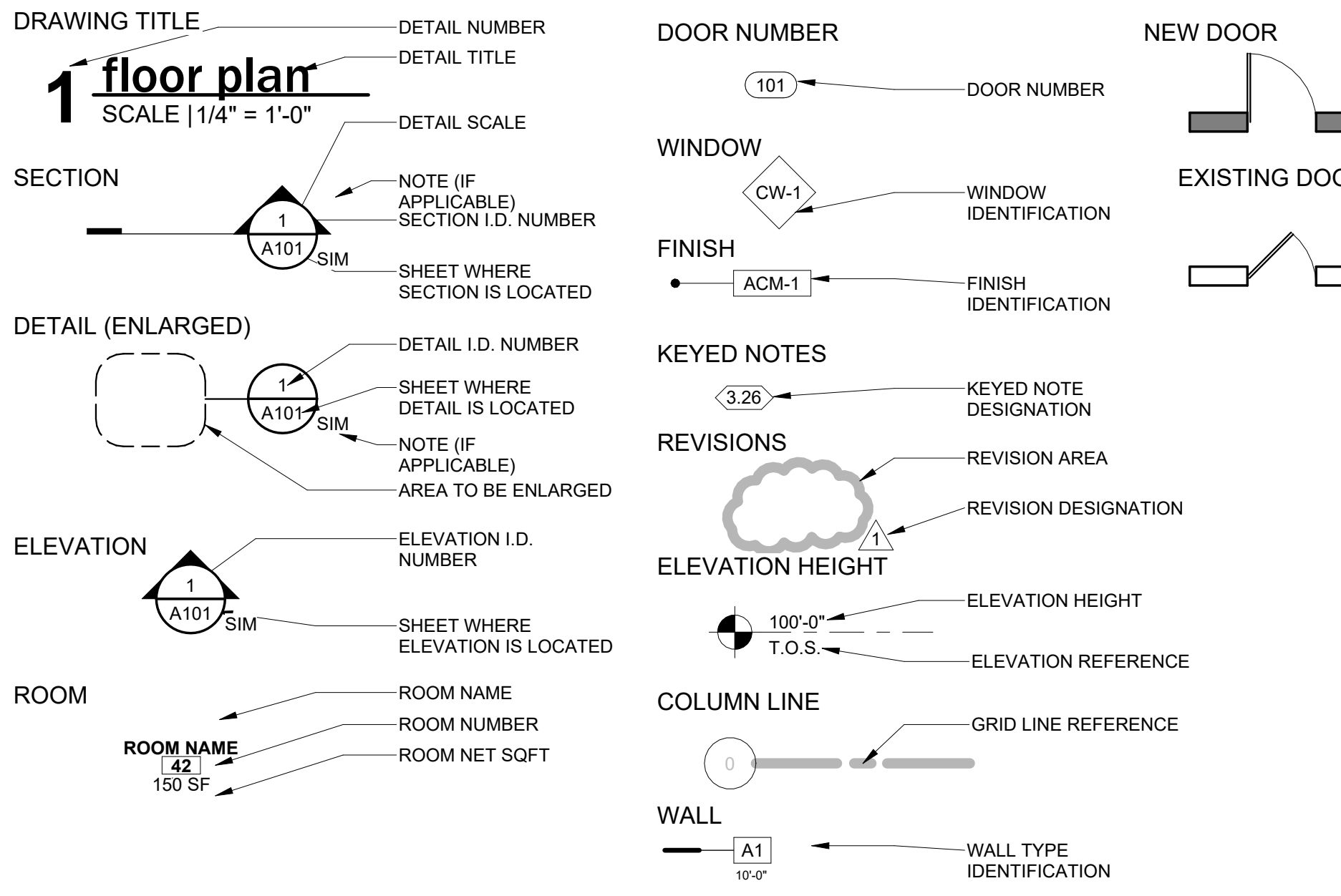
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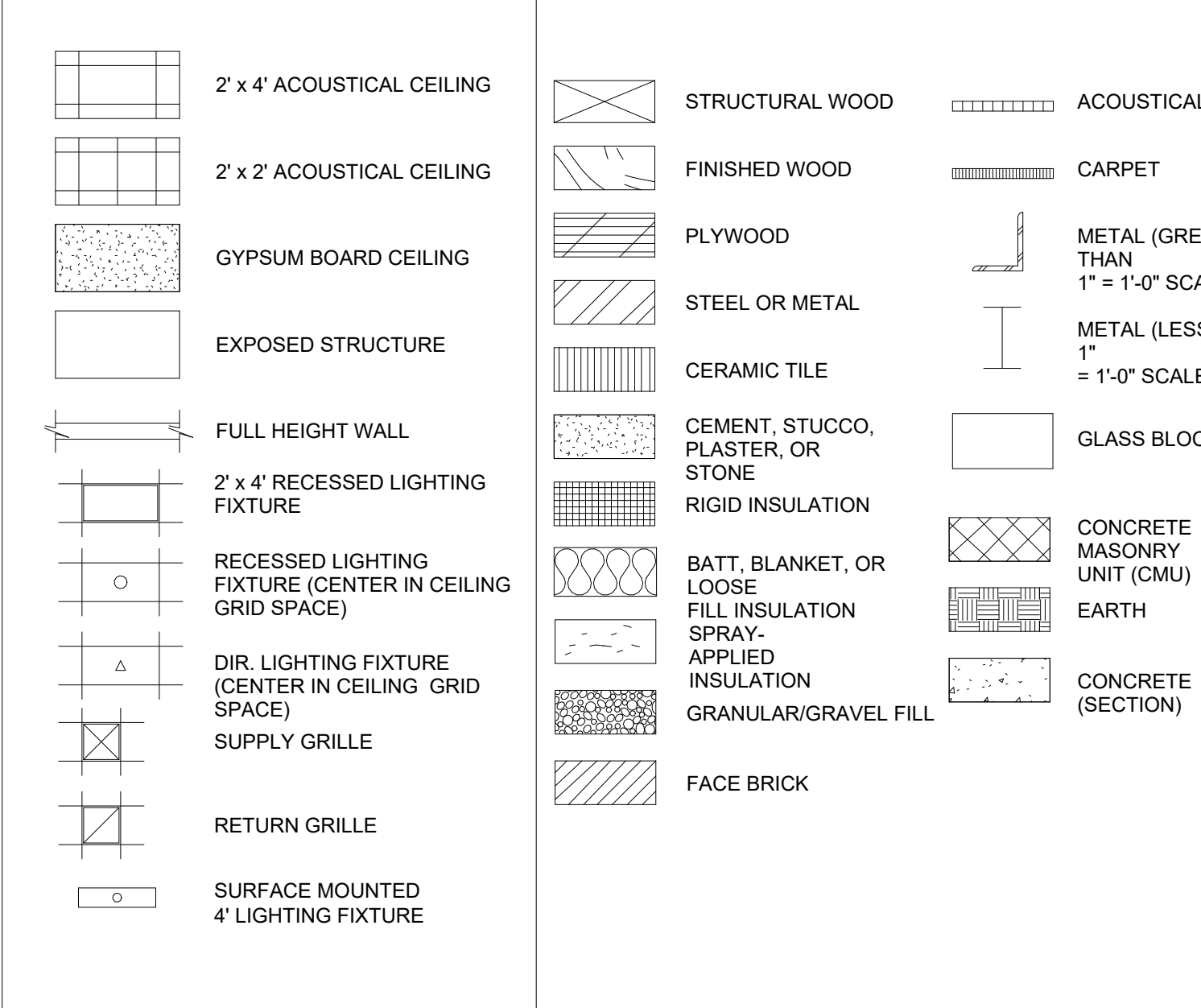


TITLE SHEET  
**G-001**

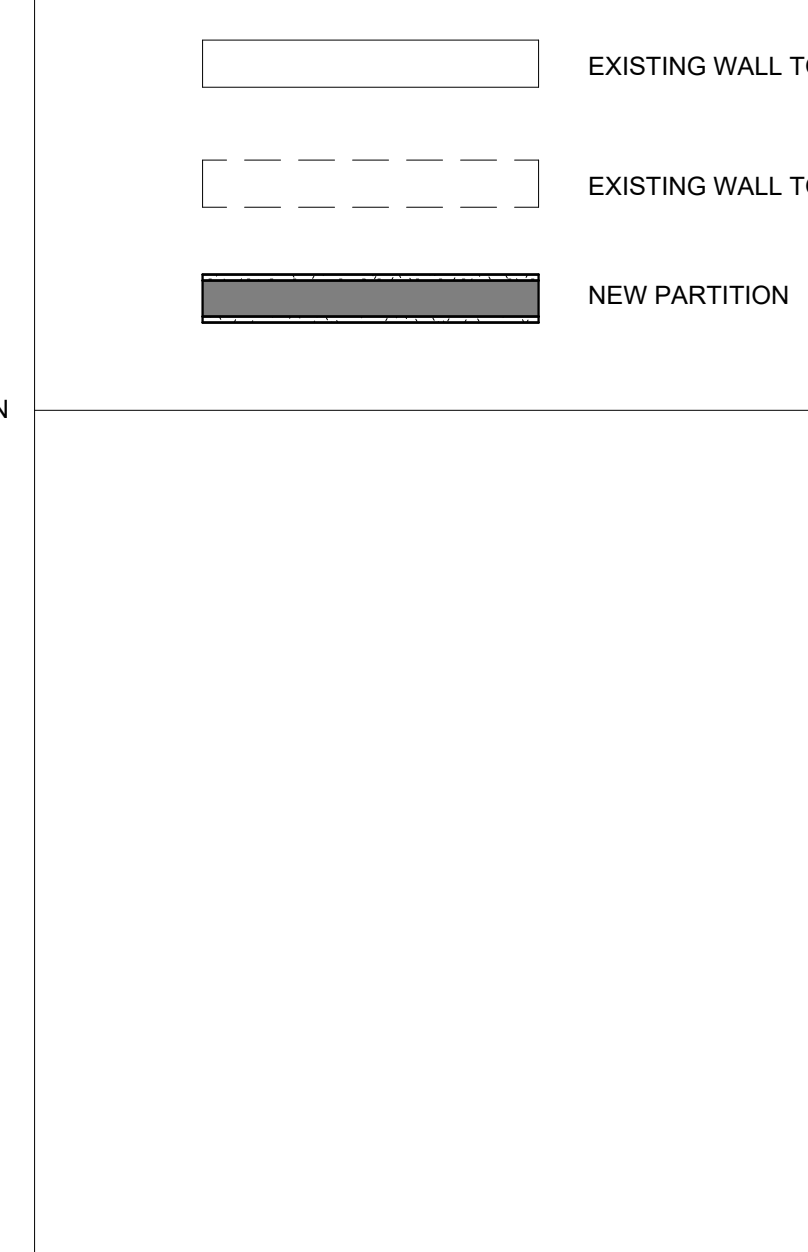
SYMBOLS



CEILING SYMBOLS MATERIAL INDICATIONS



WALL INDICATIONS



GENERAL NOTES

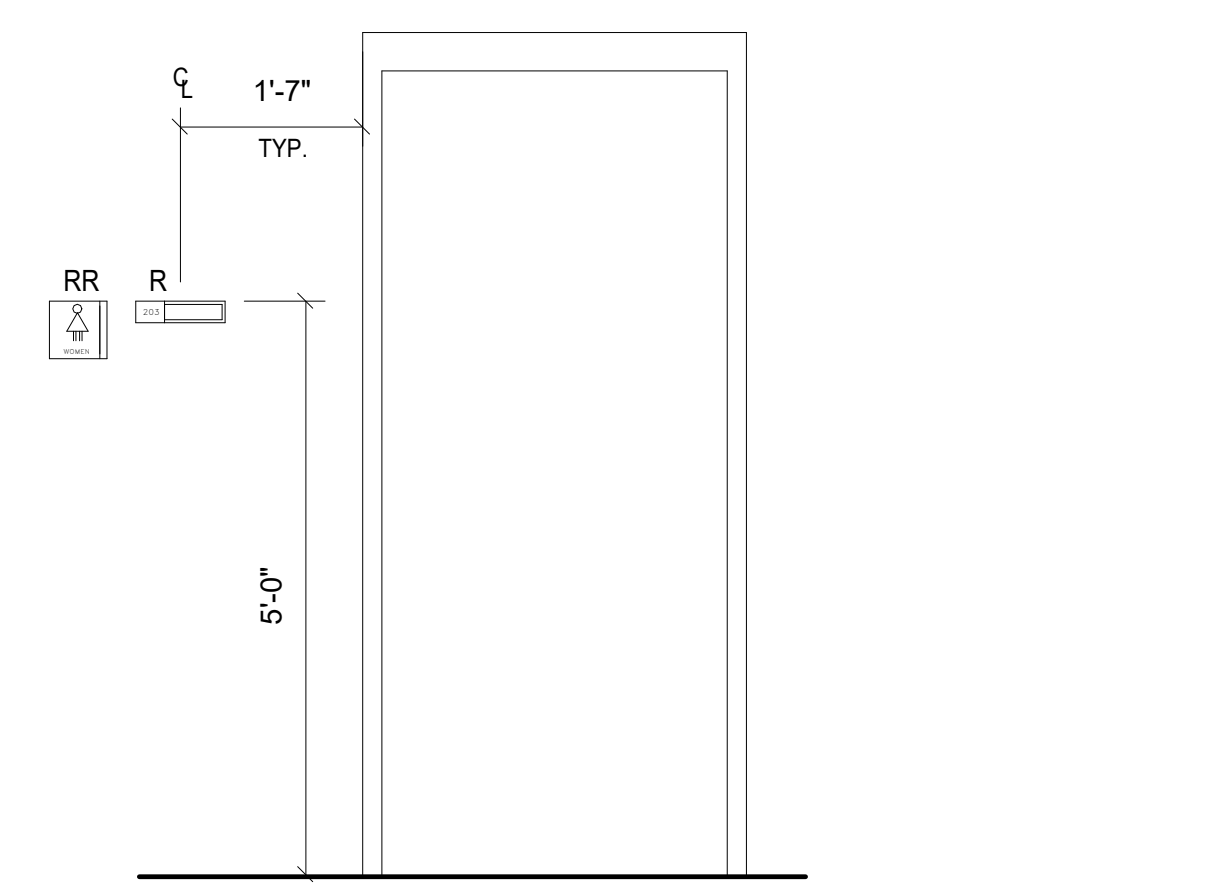
- Coordinate all demolition and renovation work with the construction manager. Contractors shall review the existing conditions prior to submitting proposal...

Professional seal for Mark C. Wiseman, License #13215, dated 12/19/2022.

ABBREVIATIONS

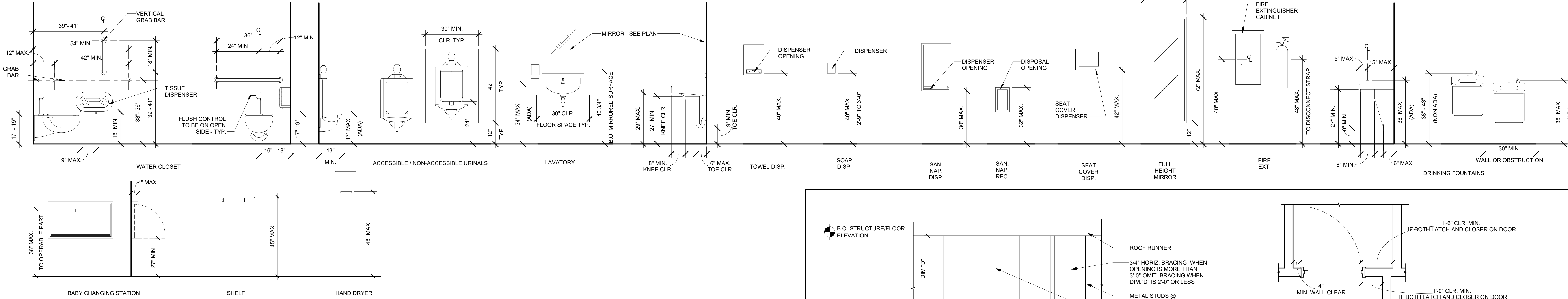
Table of abbreviations for architectural symbols, including terms like AND, ANGLE, CENTERLINE, etc.

SIGNAGE LOCATION



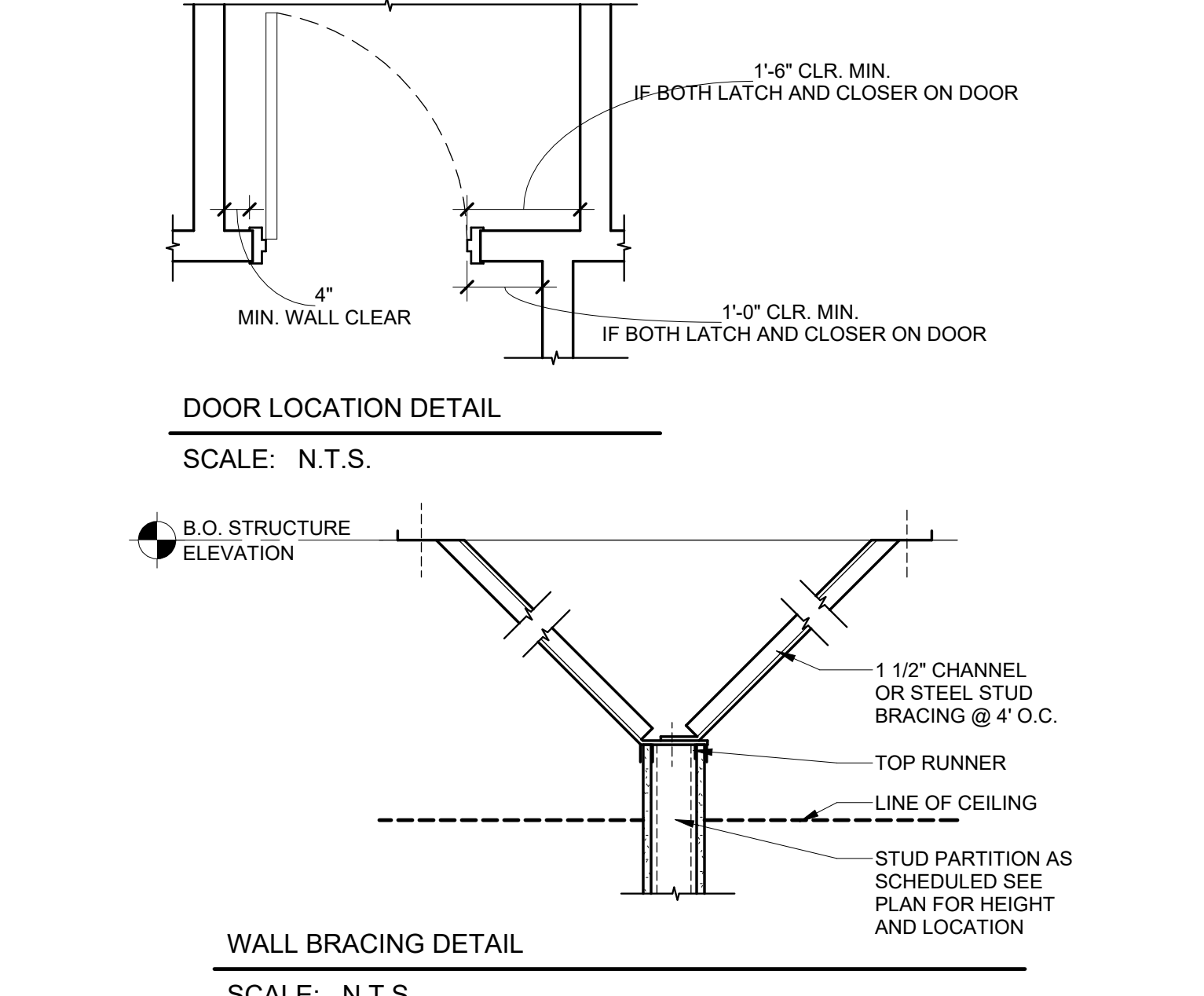
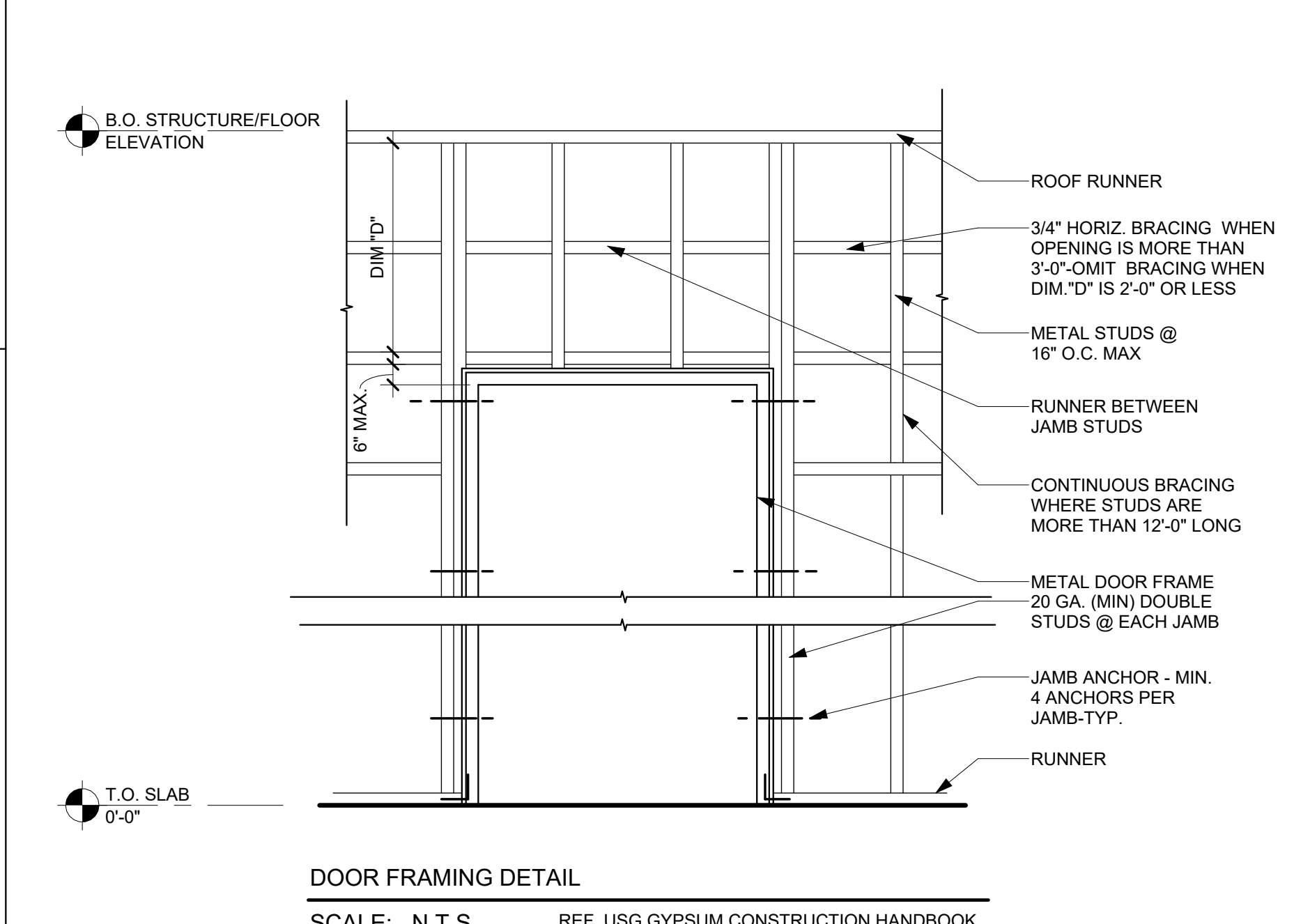
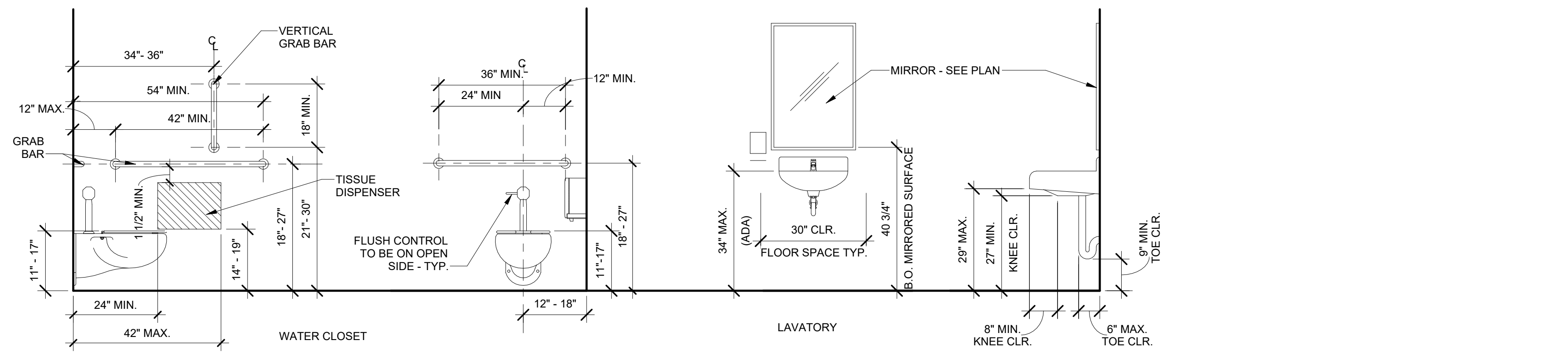
MOUNTING HEIGHTS - ADULT

NOTE: ALL ITEMS SHALL BE MOUNTED IN ACCORDANCE WITH OBC CHAPTER 11 AND, CURRENT VERSION (CONTRACTOR NOTE: NOT ALL THE FOLLOWING ITEMS ARE USED IN THIS PROJECT - SEE DRAWINGS & SPECS FOR ADDITIONAL DETAILS. ALL DIMENSIONS ARE NOT TO SCALE.)



MOUNTING HEIGHTS - CHILDREN

NOTE: ALL ITEMS SHALL BE MOUNTED IN ACCORDANCE WITH OBC CHAPTER 11 AND, CURRENT VERSION (CONTRACTOR NOTE: NOT ALL THE FOLLOWING ITEMS ARE USED IN THIS PROJECT - SEE DRAWINGS & SPECS FOR ADDITIONAL DETAILS. ALL DIMENSIONS ARE NOT TO SCALE.)



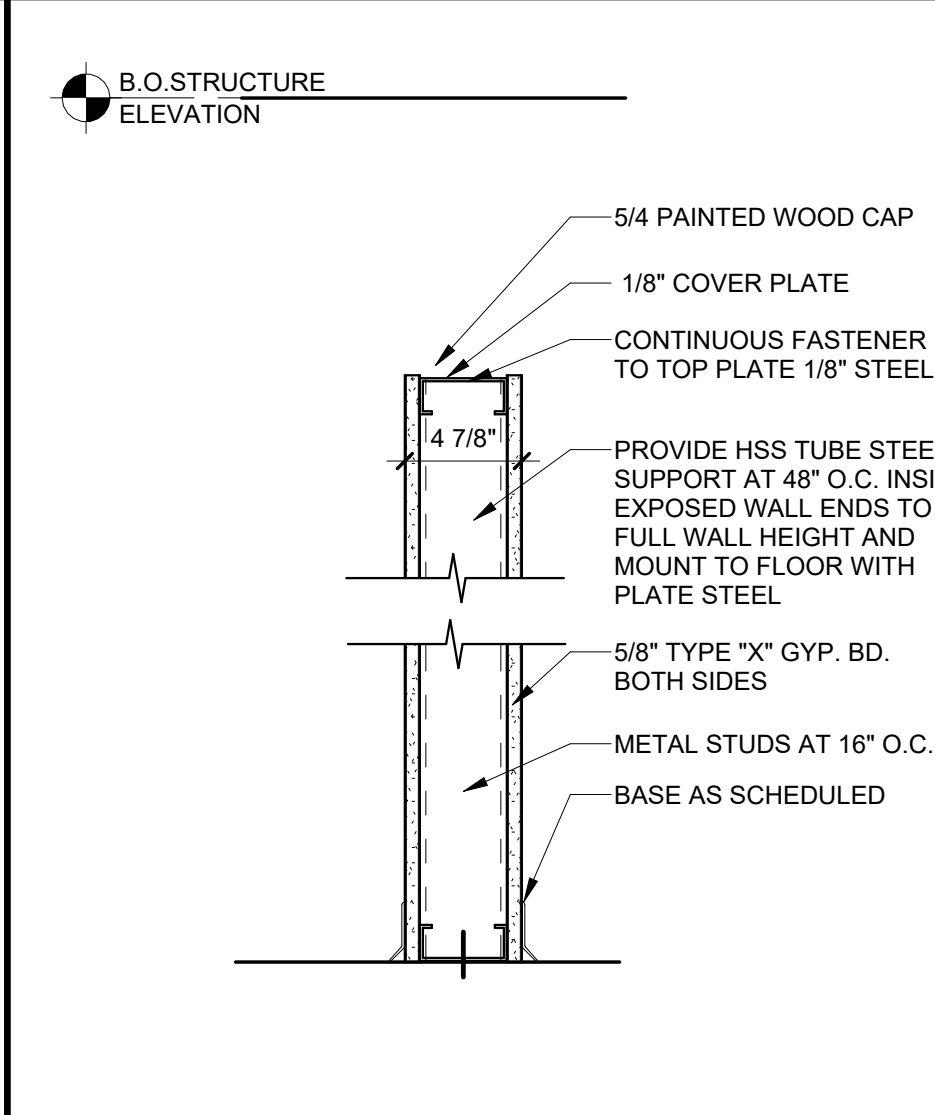
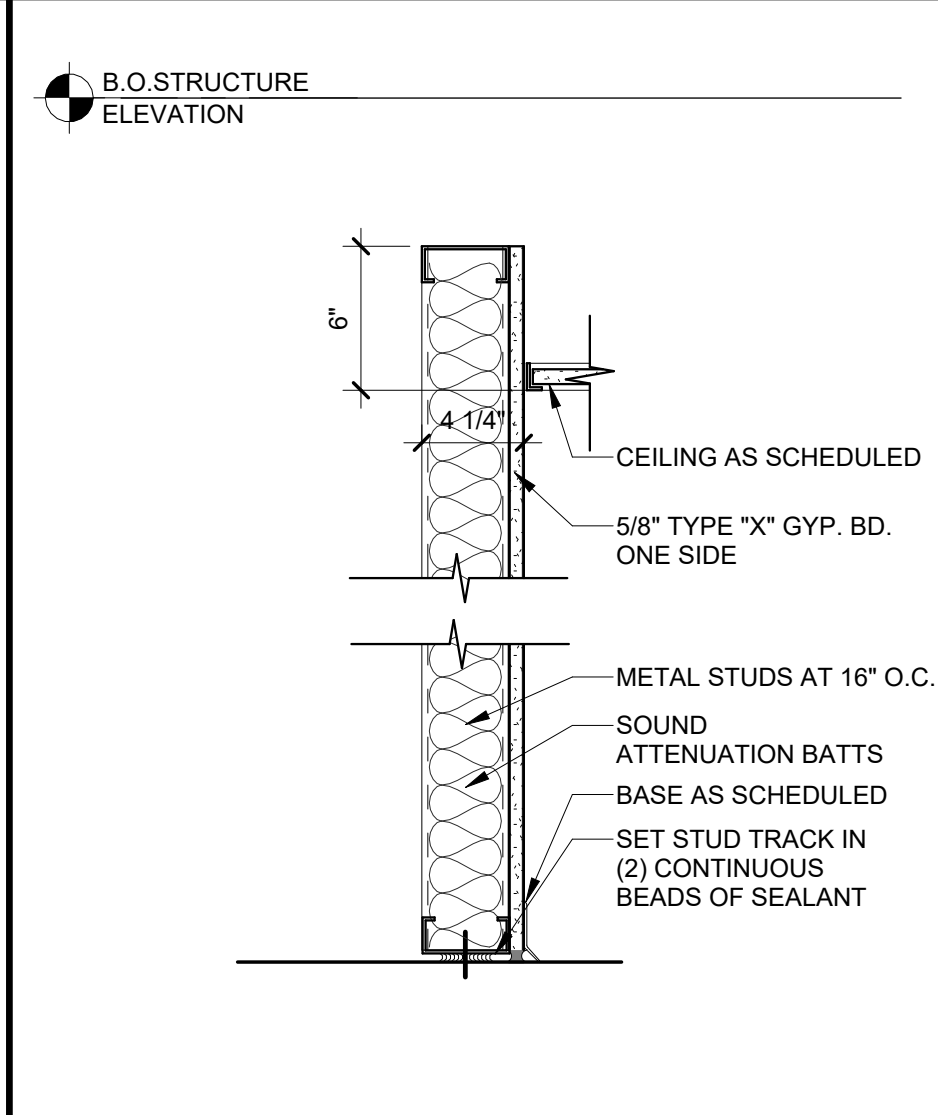
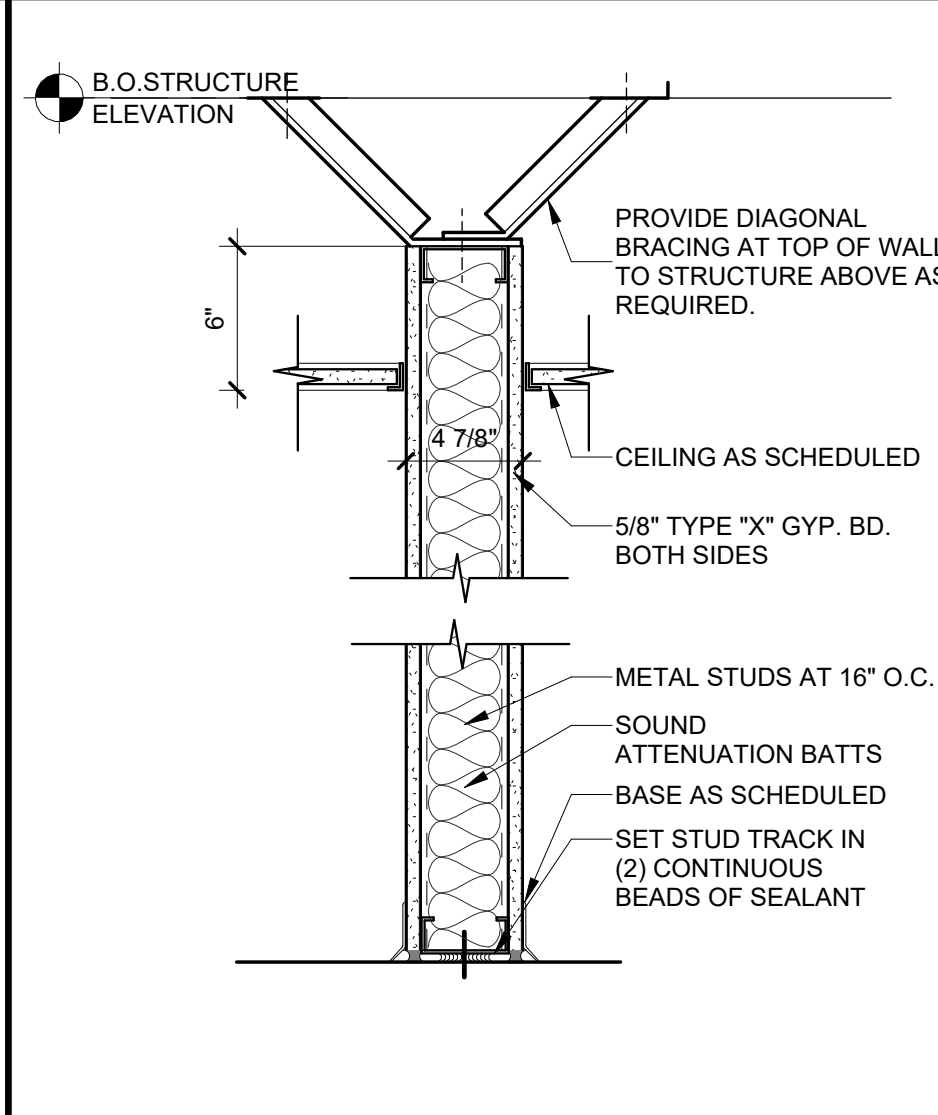
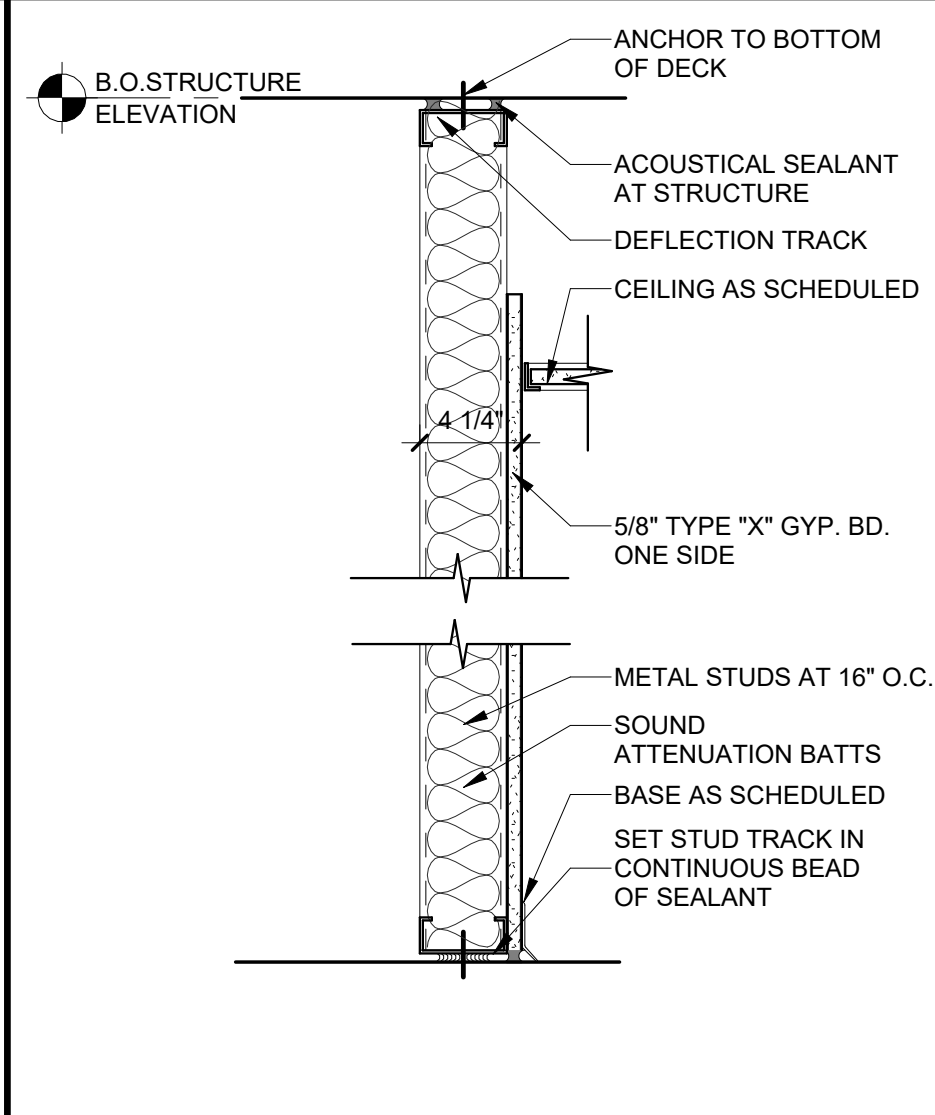
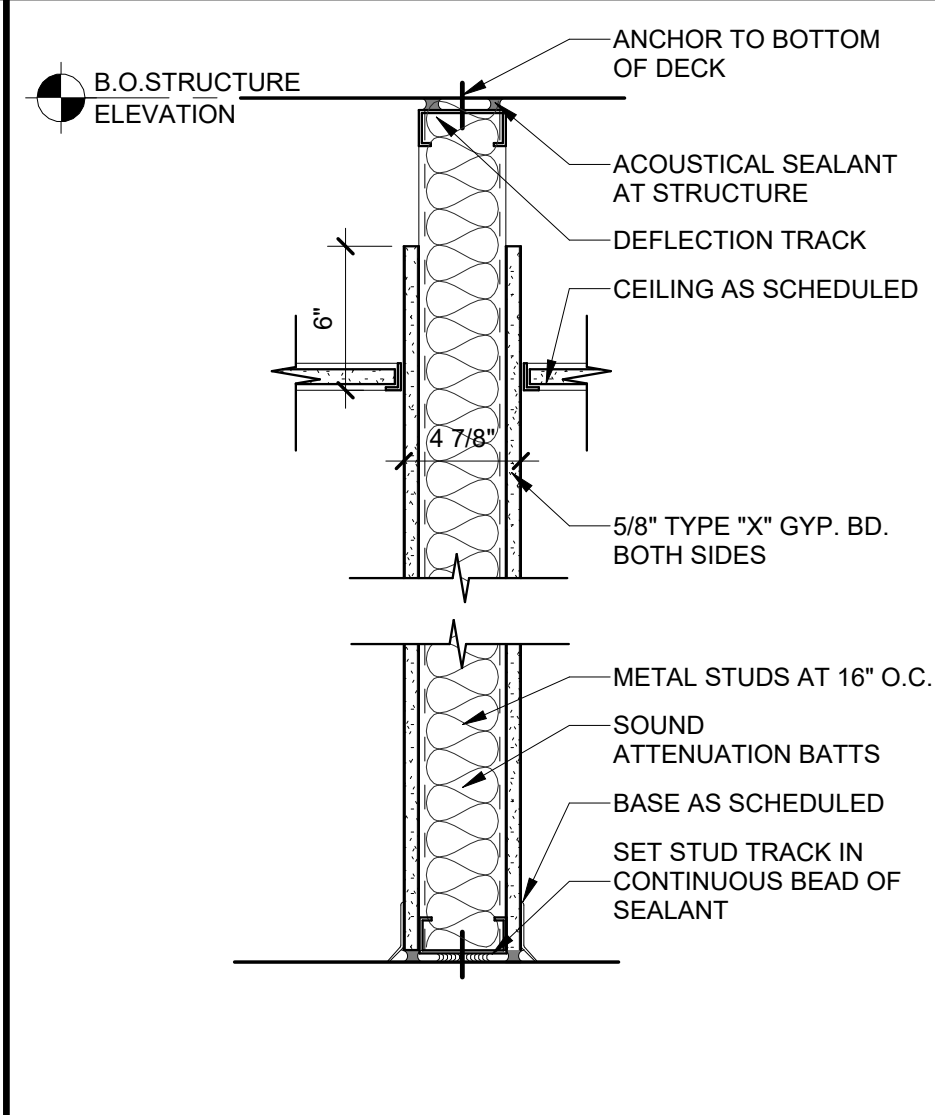
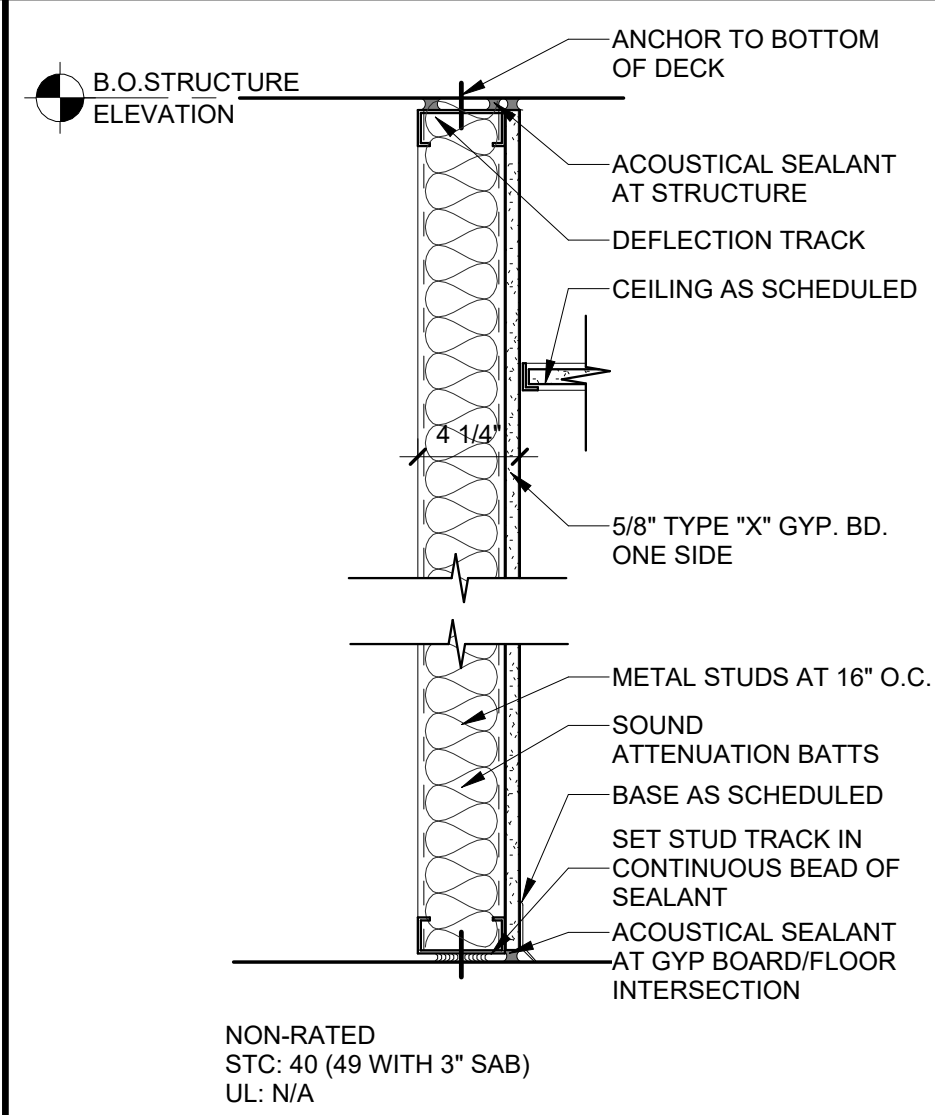
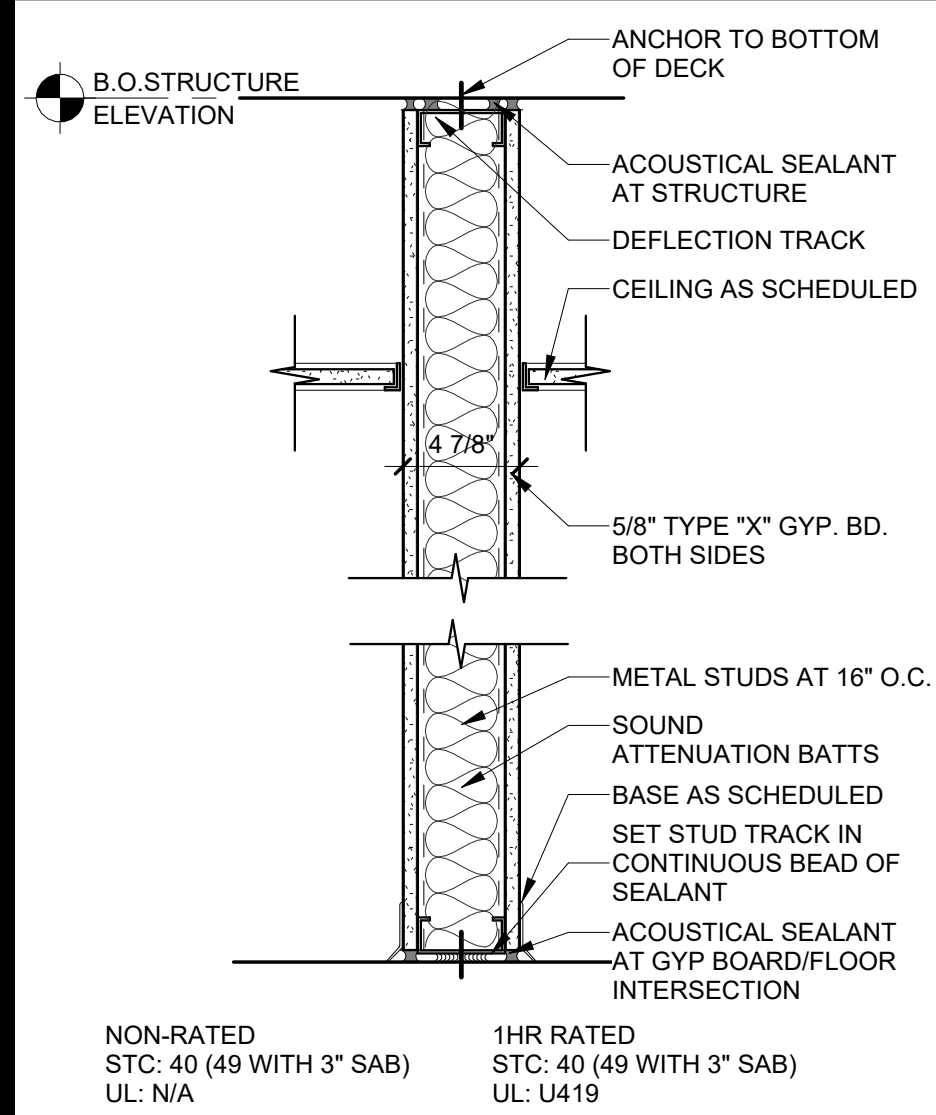
Vertical text for NLSD TRUCKING TERMINAL - RENOVATION, including contact information for Ridge Architects.

Vertical text for LEVIN PORTER ARCHITECTS, including contact information and project number 223428.00.

# INTERIOR PARTITION TYPES

NOTE: NOT WALL TYPES WILL BE USED IN THIS PROJECT

- NOTES:**
- SEE LIFE SAFETY DRAWINGS FOR LOCATIONS OF RATED PARTITIONS
  - ALL GYPSUM WALL BOARD TO BE TYPE "X" UNLESS OTHERWISE SPECIFIED
  - PROVIDE TILE BACKERBOARD ON ALL WALL SCHEDULE TO RECEIVE TILE FINISH
  - WALL FINISHES VARY, REFER TO FINISH SCHEDULE, INTERIOR ELEVATIONS, AND DETAILS FOR ALL PARTITIONS
  - MAINTAIN FIRE RATING AND ACOUSTICAL RATING OF PARTITIONS AROUND FIRE EXTINGUISHER CABINETS, ELECTRICAL BOXES, AND OTHER RECESSED ITEMS
  - FIRE-RATED PARTITIONS SHALL HAVE FIRE STOP SEALANTS AT THE HEAD, SILL, THROUGH PENETRATIONS, OPENINGS, AND JUNCTIONS WITH DISSIMILAR MATERIALS
  - NON-RATED PARTITIONS SHALL HAVE SEALANTS AT THE HEAD, SILL, THROUGH PENETRATIONS, OPENINGS AND JUNCTIONS WITH DISSIMILAR MATERIALS
  - ALL STUD WALLS CONSTRUCTED TO DECK SHALL HAVE A DEFLECTION TRACK TO ACCOMMODATE MOVEMENT OF THE STRUCTURE. ALL DEFLECTION TRACK SHALL ACCOMMODATE A MINIMUM OF 1" DEFLECTION OF THE STRUCTURE.



STUD SIZE SUFFIX / WIDTH CHART		
SUFFIX	STUD SIZE	TOTAL WIDTH
A1	3 5/8"	4 7/8"
A2	6"	7 1/4"
A3	8"	9 1/4"

STUD SIZE SUFFIX / WIDTH CHART		
SUFFIX	STUD SIZE	TOTAL WIDTH
B1	3 5/8"	4 1/4"
B2	6"	6 5/8"
B3	8"	8 5/8"

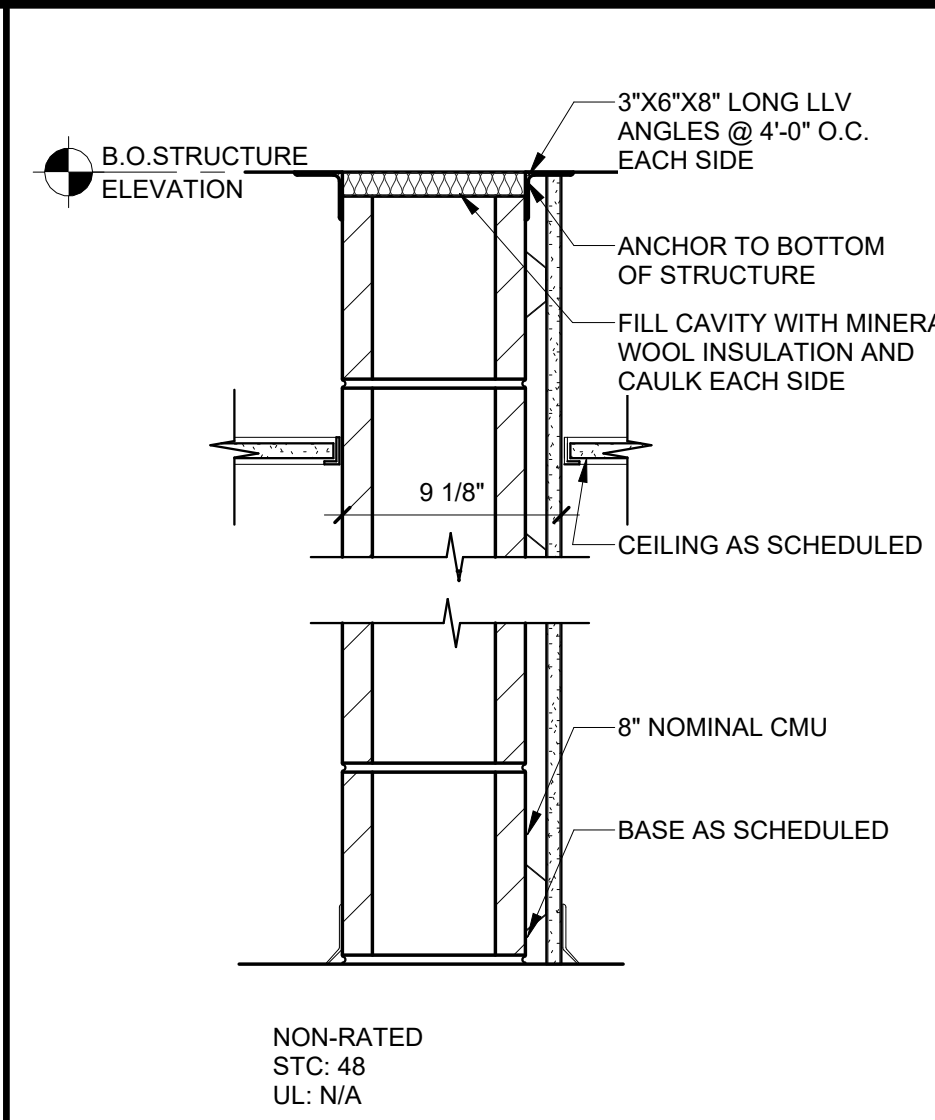
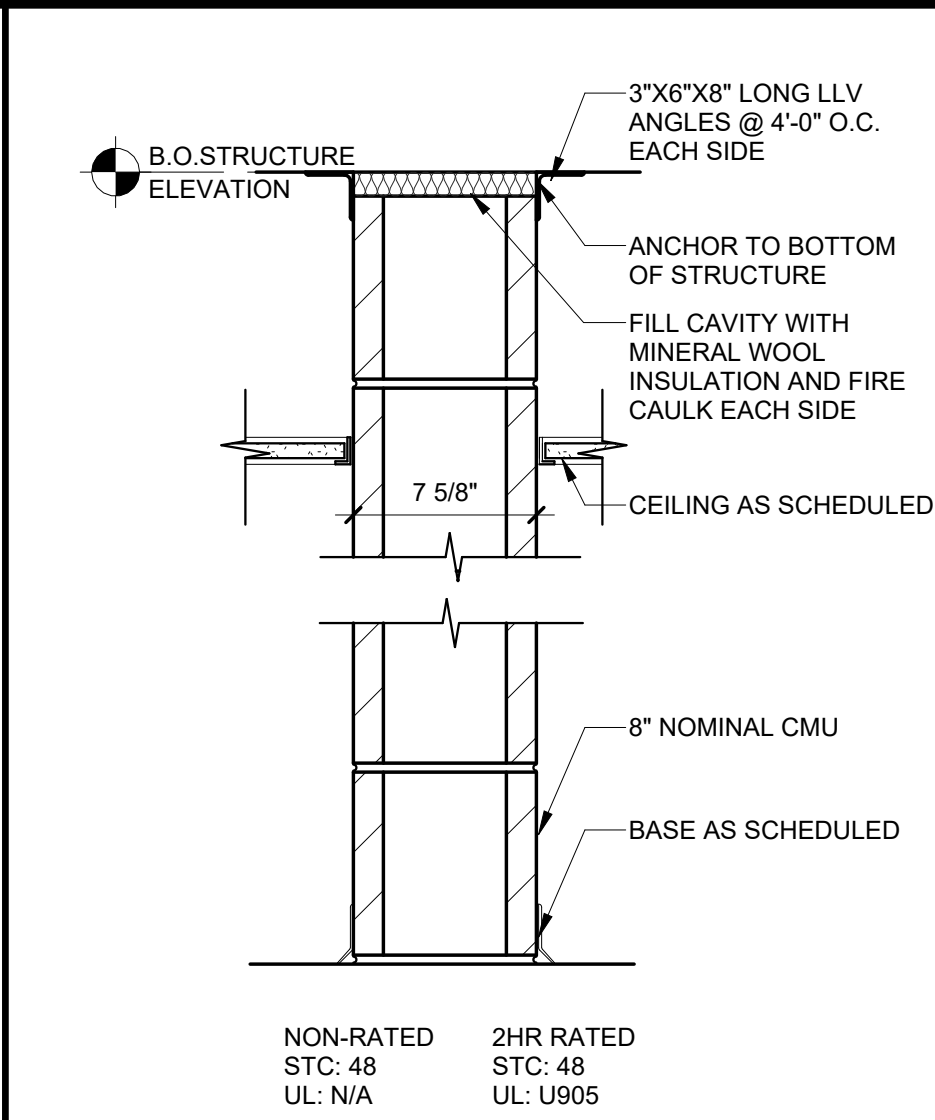
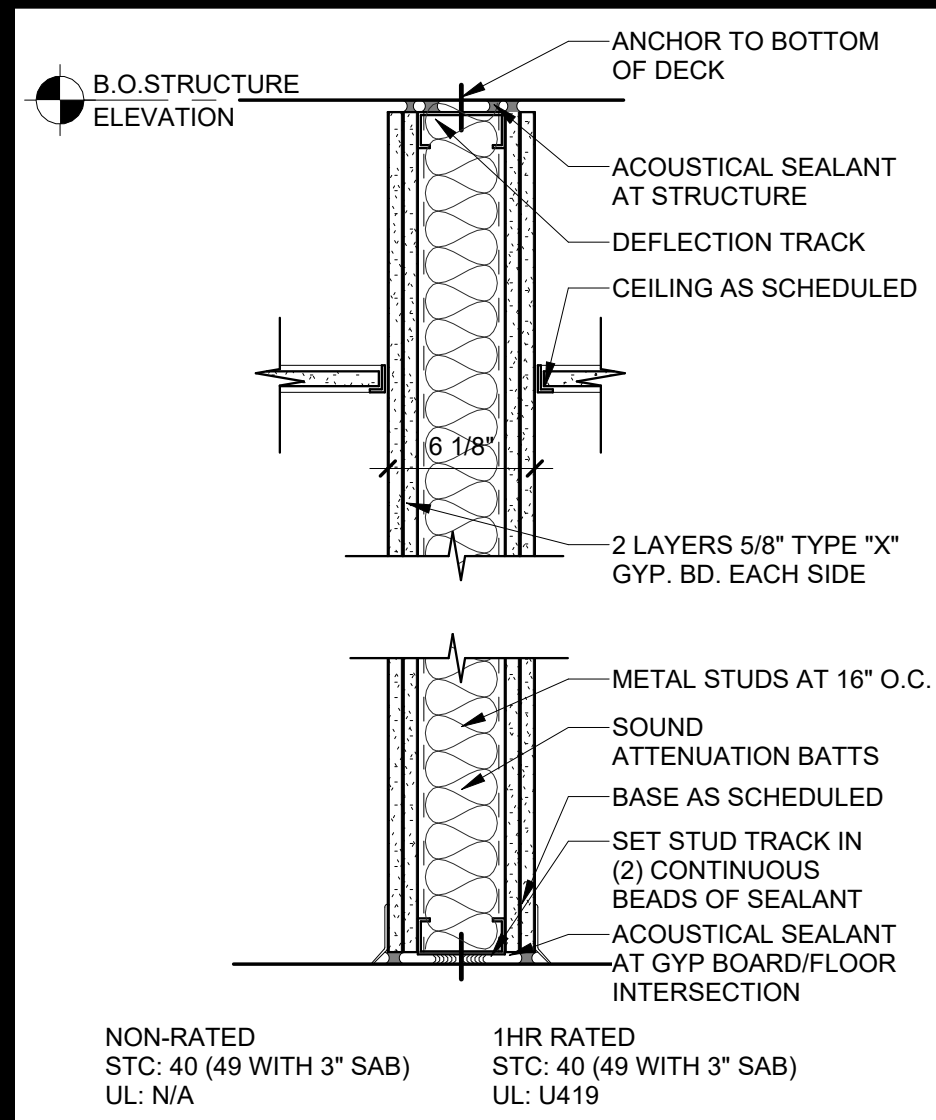
STUD SIZE SUFFIX / WIDTH CHART		
SUFFIX	STUD SIZE	TOTAL WIDTH
C1	3 5/8"	4 7/8"
C2	6"	7 1/4"
C3	8"	9 1/4"

STUD SIZE SUFFIX / WIDTH CHART		
SUFFIX	STUD SIZE	TOTAL WIDTH
D1	3 5/8"	4 1/4"
D2	6"	6 5/8"
D3	8"	8 5/8"

STUD SIZE SUFFIX / WIDTH CHART		
SUFFIX	STUD SIZE	TOTAL WIDTH
E1	3 5/8"	4 7/8"
E2	6"	7 1/4"
E3	8"	9 1/4"

STUD SIZE SUFFIX / WIDTH CHART		
SUFFIX	STUD SIZE	TOTAL WIDTH
F1	7/8"	1 1/2"
F2	2 1/2"	3 1/8"
F3	3 5/8"	4 1/4"
F4	6"	6 5/8"

STUD SIZE SUFFIX / WIDTH CHART		
SUFFIX	STUD SIZE	TOTAL WIDTH
G1	3 5/8"	4 7/8"
G2	6"	6 5/8"
G3	8"	8 5/8"



STUD SIZE SUFFIX / WIDTH CHART			
SUFFIX	STUD SIZE	TOTAL WIDTH	STC
H1	3 5/8"	6 1/8"	STC
H2	6"	8 1/2"	STC

STUD SIZE SUFFIX / WIDTH CHART		
SUFFIX	BLOCK WIDTH	TOTAL WIDTH
J1	5 5/8"	7 1/8"
J2	7 5/8"	9 1/8"
J3	11 5/8"	13 1/8"

STUD SIZE SUFFIX / WIDTH CHART		
SUFFIX	BLOCK WIDTH	TOTAL WIDTH
K1	5 5/8"	7 1/8"
K2	7 5/8"	9 1/8"
K3	11 5/8"	13 1/8"



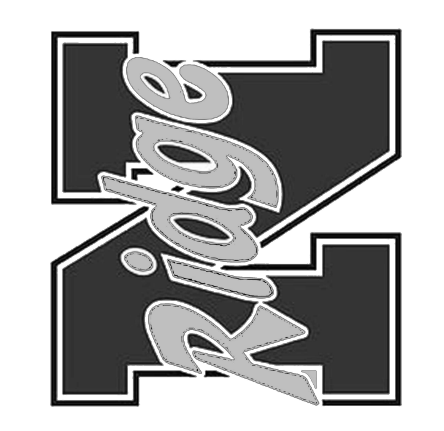
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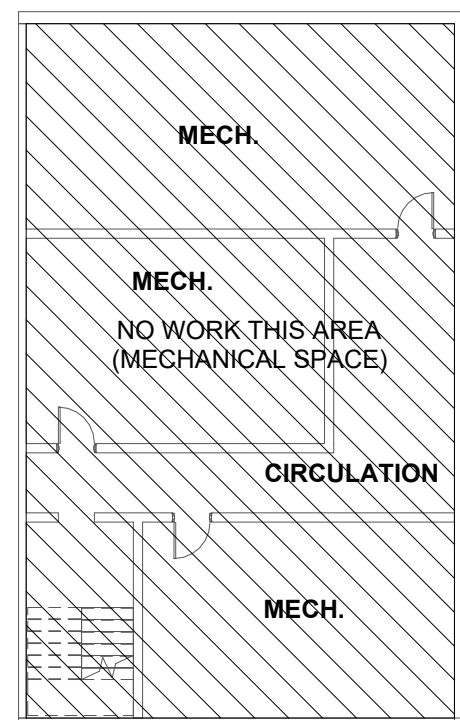
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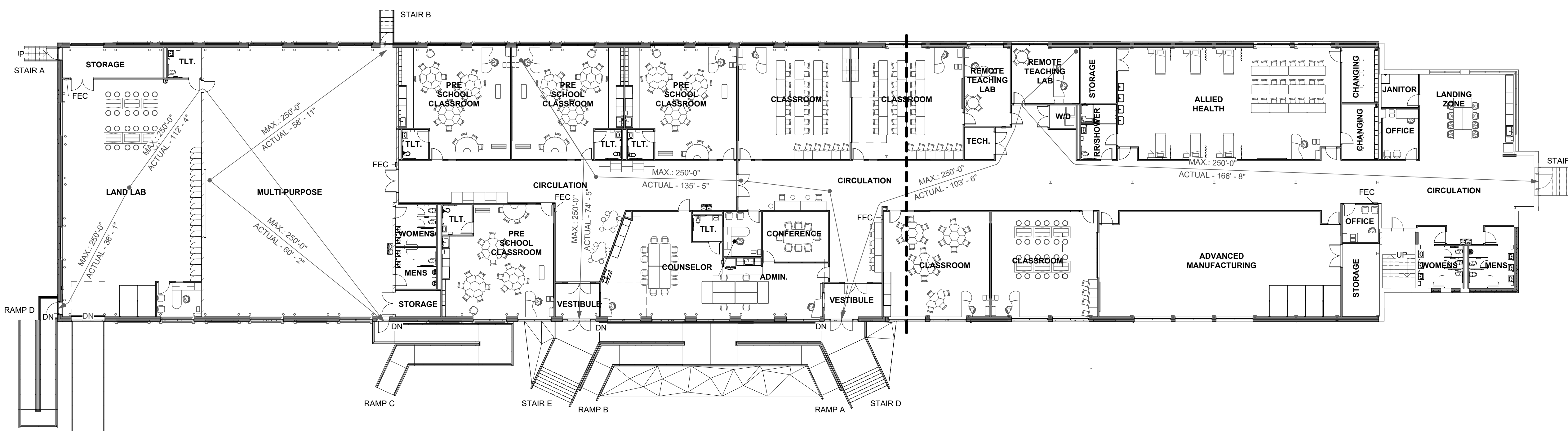
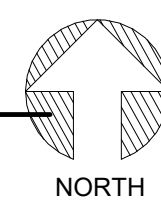


WALL TYPES  
**G-003**

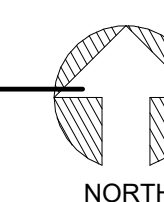
Room Schedule				
Number	Name	Area	Occupancy	Total
<b>BASEMENT</b>				
001	MECH.	424 SF	300	1
002	MECH.	611 SF	300	2
003	MECH.	425 SF	300	1
<b>T.O. SLAB</b>				
03	ADMIN.	1183 SF	100	11
09	CLASSROOM	805 SF	20	40
10	CLASSROOM	804 SF	20	40
11	ADVANCED MANUFACTURING	1787 SF	50	35
11A	STORAGE	197 SF	300	1
12	OFFICE	96 SF	100	1
17	OFFICE	131 SF	100	1
18	JANITOR	86 SF	300	1
19	ALLIED HEALTH	1756 SF	50	35
19A	CHANGING	143 SF	50	2
19B	CHANGING	142 SF	50	2
19C	STORAGE	141 SF	300	1
21	REMOTE TEACHING LAB	274 SF	20	13
22	REMOTE TEACHING LAB	257 SF	20	13
23	TECH.	68 SF	300	0
24	W/D	44 SF	300	0
25	CLASSROOM	898 SF	20	44
26	CLASSROOM	899 SF	20	44
27	PRE SCHOOL CLASSROOM	829 SF	35	23
27B	CONFERENCE	236 SF	100	2
27C	COUNSELOR	121 SF	100	1
28	PRE SCHOOL CLASSROOM	832 SF	35	23
29	PRE SCHOOL CLASSROOM	828 SF	35	23
30	MULTI-PURPOSE	3706 SF	15	247
33	STORAGE	86 SF	300	1
35	PRE SCHOOL CLASSROOM	829 SF	35	23
36	LAND LAB	2286 SF	50	45
38	STORAGE	217 SF	300	1
39	OFFICE	110 SF	100	1



**27 BASEMENT**  
SCALE | 1/16" = 1'-0"



**26 OVERALL FLOOR PLAN - CODE**  
SCALE | 1/16" = 1'-0"



**CODE NOTES**

**2017 OHIO BUILDING CODE (WITH UPDATES)**

**USE AND OCCUPANCY GROUP:** EDUCATIONAL GROUP E (SECTION 305)  
PER 303.1.3, A ROOM OR SPACE USED FOR ASSEMBLY PURPOSES THAT IS ASSOCIATED WITH A GROUP E OCCUPANCY IS NOT CONSIDERED A SEPARATE OCCUPANCY.

**CONSTRUCTION TYPE:** 2B (SECTION 602)

**FULLY SUPPRESSED BUILDING:** YES

**ALLOWABLE BUILDING HEIGHT (TABLE 604.3):** 75 FEET  
EXISTING BUILDING HEIGHT: 29 FEET

**ALLOWABLE NUMBER OF STORIES (TABLE 604.4):** 3  
EXISTING NUMBER OF STORIES:

**ALLOWABLE AREA (TABLE 606.2 - ESM/2B):** 43,500 SF  
EXISTING AREA - 1<sup>ST</sup> FLOOR: 28,908 SF  
EXISTING AREA - BASEMENT: 2,064 SF

**INCIDENTAL USES (TABLE 509):**  
LAUNDRY ROOMS OVER 100 SF  
N/A - LAUNDRY ROOM IS LESS THAN 100 SF

**FIRE-RESISTANCE RATING REQUIREMENTS (TABLE 601) - 2B**

STRUCTURAL FRAME:	0 HOURS
BEARING WALLS - EXTERIOR:	1 HOUR FOR FSD < 5'
	1 HOUR FOR FSD > 5' < 10'
	0 HOURS FOR FSD > 10' < 30'
	0 HOURS FOR FSD > 30'
BEARING WALLS - INTERIOR:	0 HOURS
NON-BEARING WALLS EXTERIOR (TABLE 602):	1 HOUR FOR FSD < 5'
	1 HOUR FOR FSD > 5' < 10'
	0 HOURS FOR FSD > 10' < 30'
	0 HOURS FOR FSD > 30'
NON-BEARING WALLS - INTERIOR:	0 HOURS
FLOOR CONSTRUCTION:	0 HOURS
ROOF CONSTRUCTION:	0 HOURS

**AUTOMATIC SPRINKLER SYSTEMS (SECTION 903)**  
PER 903.2.3, AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED FOR GROUP E OCCUPANCIES THROUGHOUT ALL GROUP E FIRE AREAS GREATER THAN 20,000 SF IN AREA. AUTOMATIC SPRINKLER SYSTEM IS BEING PROVIDED FOR ENTIRE BUILDING.

**PORTABLE FIRE EXTINGUISHERS (SECTION 906)**  
PER TABLE 906.3 (1), THE MAXIMUM TRAVEL DISTANCE TO FIRE EXTINGUISHERS IS 75 FEET. SEE DRAWING G-004 FOR LOCATIONS.

**FIRE ALARM AND DETECTION SYSTEM (SECTION 907)**  
PER 907.1.1, FIRE ALARM SYSTEM CONSTRUCTION DOCUMENTS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.  
PER 907.2.3, FIRE ALARM SYSTEM IS REQUIRED IN GROUP E OCCUPANCIES WITH AN OCCUPANT LOAD OF MORE THAN 50. FIRE ALARM SYSTEM IS BEING PROVIDED.

**EMERGENCY RESPONDER RADIO COVERAGE (SECTION 916)**  
PER 916.1, EMERGENCY RESPONDER RADIO COVERAGE SHALL BE PROVIDED IN ALL NEW BUILDINGS IN ACCORDANCE WITH SECTION 510 OF THE FIRE CODE.

**SPECIAL INSPECTIONS (TO BE PERFORMED BY OWNER / THIRD PARTY TESTING COMPANY)**  
N/A - NONE REQUIRED

**TYPICAL R-VALUES**  
ROOF - R25 MIN.  
WALL - BATT INSULATION COMPRESSED BETWEEN GIRTS - R-25 MIN. BATT INSULATION WITH AIR/VAPOR BARRIER FACING - R-10 MIN.

**OCCUPANT LOAD (SECTION 1004)**  
PER 1004.1.2, THE MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT ARE AS FOLLOWS:  
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM 300 GROSS  
ASSEMBLY WITHOUT FIXED SEATS  
CONCENTRATED (CHAIRS ONLY) 7 NET  
STANDING SPACE 5 NET  
UNCONCENTRATED (TABLES AND CHAIRS) 15 NET  
BUSINESS AREAS 100 GROSS  
EDUCATIONAL  
CLASSROOM AREA 20 NET  
SHOPS AND OTHER VOCATIONAL ROOM AREAS 50 NET  
LOCKER ROOMS 50 GROSS  
SEE DRAWING G-004 FOR OCCUPANT LOADS.

**OCCUPANT LOADS PER TABLE 1004.1.2**  
TOTAL CAPACITY - 1<sup>ST</sup> FLOOR - 874 OCCUPANTS  
TOTAL CAPACITY - BASEMENT - 4 OCCUPANTS

**MEANS OF EGRESS SIZING (SECTION 1005)**  
PER 1005.3.1, EXCEPTION 1, THE EGRESS CAPACITY FOR STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY THE STAIRWAYS BY 0.12 INCH PER OCCUPANT.  
TOTAL CAPACITY OF 1<sup>ST</sup> FLOOR (874) x 0.12 IN / OCCUPANT = 134.8 INCHES REQUIRED CONFORM  
STAIR A = 48"  
STAIR B = 48"  
STAIR C = 92"  
STAIR D = 142"  
STAIR E = 142"  
TOTAL = 472"

PER 1005.3.2, EXCEPTION 1, THE EGRESS CAPACITY FOR MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH COMPONENT BY 0.15 INCH PER OCCUPANT.  
TOTAL FIRST FLOOR CAPACITY (874) x 0.15 IN / OCCUPANT = 101.1 INCHES REQUIRED  
SINGLE EXIT DOORS - 5 DOORS x 36 IN = 180 INCHES  
DOUBLE EXIT DOORS - 2 DOORS x 72 IN = 144 INCHES  
TOTAL = 324 INCHES  
TOTAL BASEMENT CAPACITY (4) x 0.15 IN / OCCUPANT = 6 INCHES REQUIRED  
SINGLE EXIT DOORS - 1 DOORS x 36 IN = 36 INCHES

**NUMBER OF EXITS AND EXIT ACCESS DOORWAYS (SECTION 1006)**  
PER TABLE 1006.2.1, MAXIMUM OCCUPANT LOAD OF SPACE FOR E OCCUPANCY WITH ONE EXIT IS 49.

PER 1006.2.1.1, THREE OR MORE EXITS SHALL BE PROVIDED FROM ANY SPACE WITH AN OCCUPANT LOAD OF 501 TO 1,000.  
MULTIPURPOSE ROOM - 3 EXITS PROVIDED CONFIRM IF CAPACITY IS OVER 501

PER 1006.2.2.1, TWO EXIT ACCESS DOORWAYS ARE REQUIRED IN BOILER, INCINERATOR AND FURNACE ROOMS WHERE THE AREA IS OVER 500 SQUARE FEET AND ANY FUEL-FIRED EQUIPMENT EXCEEDS 400,000 BTUS INPUT CAPACITY.  
N/A

PER 1006.2.2.7.1, EXIT ACCESS SHALL BE PROVIDED FROM ELECTRICAL EQUIPMENT WORKSPACES WITH EQUIPMENT RATED 1,200 AMPERES OR MORE SHALL HAVE EXIT ACCESS OPENINGS AT EACH END OF THE WORKING SPACE. THE DOOR SHALL BE EQUIPPED WITH PANIC HARDWARE.  
N/A

PER 1006.2.2.7.2, EXIT ACCESS SHALL BE PROVIDED FROM ELECTRICAL EQUIPMENT WORKSPACES WITH EQUIPMENT RATED 800 AMPERES OR MORE SHALL HAVE EXIT ACCESS OPENINGS WITHIN 25 FEET OF WORKING SPACE. THE DOOR SHALL BE EQUIPPED WITH PANIC HARDWARE.  
N/A

**ACCESSIBLE MEANS OF EGRESS (SECTION 1009)**  
PER 1009.2.1, BUILDINGS WHERE ACCESSIBLE FLOOR IS LESS THAN FOUR STORIES IS NOT REQUIRED TO HAVE AN ELEVATOR AS PART OF THE ACCESSIBLE MEANS OF EGRESS.

PER 1009.3, IN ORDER TO BE CONSIDERED PART OF AN ACCESSIBLE MEANS OF EGRESS, A STAIRWAY SHALL HAVE A CLEAR WIDTH OF 48 INCHES AND AN AREA OF REFUGE.  
EXCEPTION 2, THE CLEAR WIDTH OF 48 INCHES BETWEEN HANDRAILS IS NOT REQUIRED IN BUILDINGS EQUIPPED THROUGHOUT WITH AUTOMATIC SPRINKLER SYSTEM.  
EXCEPTION 3, AREAS OF REFUGE ARE NOT REQUIRED AT STAIRWAYS IN BUILDINGS EQUIPPED THROUGHOUT WITH AUTOMATIC SPRINKLER SYSTEM.

**DOORS, GATES AND TURNSTILES (SECTION 1010)**  
PER 1010.1.2.1, SIDE-HINGED SWINGING DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING A ROOM OR AREA CONTAINING AN OCCUPANT LOAD OF 50 OR MORE.

PER 1010.1.10, PANIC AND FIRE EXIT DOOR HARDWARE IS REQUIRED FOR ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE IN A GROUP E OCCUPANCY.

PER 1010.4, A TEMPORARY LOCKING DEVICE SHALL BE PERMITTED WHEN APPROVED BY THE BUILDING OFFICIAL AND NOTED ON THE CERTIFICATE OF OCCUPANCY ONLY IN SCHOOL BUILDINGS.

THERE ARE NO SPECIAL LOCKING PROVISIONS FOR EGRESS FROM THE BUILDING OR INDIVIDUAL SPACES.

**STAIRWAYS (SECTION 1011)**  
PER 1011.2, THE REQUIRED MINIMUM WIDTH SHALL NOT BE LESS THAN 44 INCHES FOR ACCESSIBLE MEANS OF EGRESS STAIRWAYS. PER EXCEPTION 1, STAIRWAYS WITH AN OCCUPANT LOAD OF LESS THAN 50 SHALL HAVE A WIDTH NOT LESS THAN 36 INCHES.

**EXIT ACCESS TRAVEL DISTANCE (SECTION 1017)**  
PER TABLE 1017.2, THE MAXIMUM EXIT ACCESS TRAVEL DISTANCE FOR AN E OCCUPANCY WITH SPRINKLER SYSTEM IS 250 FEET.

**CORRIDORS (SECTION 1020)**  
PER TABLE 1020.1, THE REQUIRED MINIMUM CORRIDOR FIRE-RESISTANCE RATING FOR AN E OCCUPANCY WITH GREATER THAN 50 OCCUPANTS WITH A SPRINKLER SYSTEM IS 0 HOURS.

PER TABLE 1020.2, THE MINIMUM CORRIDOR WIDTH FOR AN E OCCUPANCY WITH AN OCCUPANT LOAD OF 100 OR MORE IS 72 INCHES.

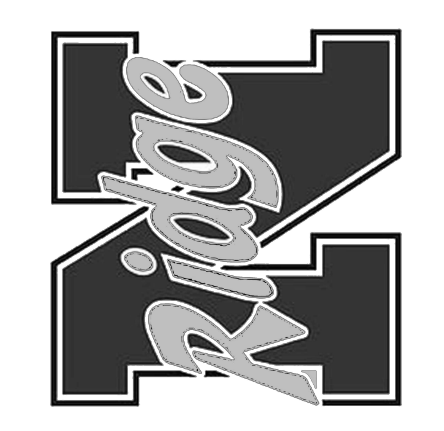


Mark C. Wiseman, License #13215  
Expiration Date 12/31/2021

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CONSULTANTS

**NLSD TRUCKING TERMINAL - RENOVATION**  
4407 PAINTE AVE.  
DAYTON, OH 45414



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CHECKED BY: [Signature]  
DRAWN BY: [Signature]  
DATE: 12.19.2022

**LEVIN PORTER ARCHITECTS**  
3011 DELUMARK DRIVE  
MARIETTA, OHIO 45342  
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CODE NOTES

**G-004**

**GENERAL NOTES**

- ALL WORK SHALL CONFORM TO THE HARRISON TOWNSHIP/MONTGOMERY COUNTY CONSTRUCTION AND MATERIAL SPECIFICATIONS, AND THE ODOT STANDARD SPECIFICATIONS, 2005 OR HIGHER, WHICHEVER IS MORE STRINGENT.
- NO CONSTRUCTION SHALL COMMENCE UNTIL HARRISON TOWNSHIP/MONTGOMERY COUNTY PERMITS HAVE BEEN ISSUED AS REQUIRED.
- STORM SEWER SHALL BE SMOOTH INTERIOR WALLED PLASTIC OR HIGH DENSITY POLYETHYLENE PIPE, ADS N-12, HANCOR HI-Q OR A-2000 UNLESS OTHERWISE NOTED.
- ALL FIELD TILE ENCOUNTERED, OR STORM SEWER ACTIVE, SHALL BE REPLACED OR CONNECTED TO THE STORM SEWER SYSTEM.
- ALL STREET SURFACES, DRIVEWAYS, CULVERTS, ROADSIDE DITCHES, & OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED IN KIND & IN ACCORDANCE WITH HARRISON TOWNSHIP & MONTGOMERY COUNTY SPECIFICATIONS.
- SAFETY REQUIREMENTS, STATED UNDER 29 CFR. OF THE OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION'S (OSHA) REGULATIONS FOR THIS TYPE OF WORK, WILL BE ENFORCED & THE CONTRACTOR SHALL COMPLY WITH THESE PROVISIONS.
- THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO CONTROL SOIL EROSION & SEDIMENTATION THROUGH OUT THE COURSE OF WORK THIS SHALL INCLUDE THE USE OF STRAW BALES, DIKES, SEDIMENT PITS, MULCHES, FILTER FABRICS, OR OTHER DEVICES & METHODS. PARTICULAR CARE SHALL BE TAKEN TO AVOID EROSION TO & SEDIMENT ON EXISTING PAVED & GRAVEL AREAS, NO DIRT OR DEBRIS SHALL BE PERMITTED TO BE TRACKED ONTO THE PUBLIC STREETS.
- ALL SEDIMENT EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY EXCAVATION OR REMOVAL OF EXISTING COVER.
- CONSTRUCTION SIGNING & TRAFFIC MAINTENANCE SHALL CONFORM TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL NOT BLOCK ACCESS TO ANY BUSINESS OR RESIDENT DURING CONSTRUCTION. TEMPORARY CLOSURE OF A PUBLIC STREET OR ALLEY WILL REQUIRE 24 HOUR NOTICE TO THE CITY & THE CONTRACTOR SHALL INDIVIDUALLY NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES.
- ALL LAWN AREAS & NON-PAVED SURFACES OR AREAS IDENTIFIED AS ERODEABLE SHALL BE GRADED, SEEDED, & MULCHED IN ACCORDANCE WITH ODOT ITEM 659.
- NO DIMENSIONS SHALL BE SCALED FROM THE CONSTRUCTION DRAWINGS FOR THE PURPOSE OF FIELD LOCATION. REFER UNCLEAR ITEMS FOR ENGINEERING INTERPRETATION.
- EXCESS SOIL IS TO BE REMOVED FROM THE SITE & RELOCATED AS DIRECTED BY THE OWNER
- ASPHALT SPECIFICATION IS TO BE DETERMINED BY THE OWNER

**STORM SEWER:**

- ALL STORM SEWER SHALL CONFORM THE CURRENT EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION "CONSTRUCTION AND MATERIAL SPECIFICATIONS", UNLESS OTHERWISE NOTED.
- ALL STORM SEWER STRUCTURES SHALL BE PRECAST ONLY UNLESS OTHERWISE NOTED.
- SEE TRENCH DETAILS FOR BACKFILL & BEDDING.
- MATERIALS SHALL CONFORM TO THE FOLLOWING:  
 REINFORCED CONCRETE PIPE CONFORMING TO ASTM C-443  
 PVC PIPE CONFORMING TO ASTM D-3034  
 PVC PIPE JOINTS CONFORMING TO ASTM D-3034, D-3212  
 A-2000 PIPE CONFORMING TO ASTM F-949  
 A-2000 PIPE JOINTS CONFORMING TO ASTM F-3212  
 PERMA-LOC OR ULTRA RIB PIPE CONFORMING TO ASTM F-794 AND AASHTO M304  
 PERMA-LOC OR ULTRA RIB PIPE JOINTS CONFORMING TO ASTM D-3212  
 ADS N12 WITH BELL JOINTS  
 5. ALL EXISTING MANHOLES AND CATCH BASINS SHALL BE CORED.  
 6. ALL CATCH BASINS TO MEET ODOT STANDARDS AND ARE TO BE ODOT TYPE 2-2B

**PLAN OF IMPROVEMENTS**  
 for  
**NORTHRIDGE TRUCKING TERMINAL**  
 LOCATED IN  
 SEC. 10, TOWN 2, RANGE 6 EAST, HARRISON TWP., MONTGOMERY CO. OHIO  
 DECEMBER 20<sup>th</sup>, 2022



**VICINITY MAP**  
(NTS)

**SHEET INDEX**

- |     |                      |
|-----|----------------------|
| C1. | COVER SHEET          |
| C2. | EXISTING CONDITIONS  |
| C3. | SITE & GRADING PLAN  |
| C4. | NOTES & DETAILS      |
| C5. | NOTES & DETAILS      |
| C6. | EROSION CONTROL PLAN |

**WATER NOTES**

- ALL WATER LINES AND APPURTENANCES SHALL BE CONSTRUCTED ACCORDING TO MONTGOMERY COUNTY ENVIRONMENTAL SERVICES SPECIFICATIONS, DATED JANUARY, 2019, (EFFECTIVE NOVEMBER, 2019), OR LATEST REVISION THEREOF.
- NO ADDITIONS, DELETIONS OR REVISIONS TO THE WATER FACILITIES ARE TO BE MADE WITHOUT PRIOR WRITTEN APPROVAL BY THE MONTGOMERY COUNTY ENVIRONMENTAL SERVICES.
- NO CONSTRUCTION SHALL COMMENCE UNTIL MONTGOMERY COUNTY ENVIRONMENTAL SERVICES PERMITS HAVE BEEN ISSUED, AND TWO (2) WORKING DAYS NOTICE HAS BEEN GIVEN TO THE INSPECTION DIVISION (781-2650).
- ALL UTILITY TRENCHES WITHIN THE EXISTING OR PROPOSED RIGHT-OF-WAY OR UNDER PAVED AREAS SHALL BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL CONFORMING TO ODOT 703.11 TYPE 2 IN ACCORDANCE WITH THE MONTGOMERY COUNTY ENVIRONMENTAL SERVICE SPECIFICATIONS.
- NO WATER MAIN LINE PERMITS SHALL BE ISSUED UNTIL PERMITS TO WORK IN THE PUBLIC ROAD RIGHT OF WAY (STREET CUT PERMITS) OR THE STATE OF OHIO HIGHWAY PERMIT HAS BEEN OBTAINED (AS APPLICABLE).
- ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ACCORDING TO THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL NOTIFY THE MONTGOMERY COUNTY ENVIRONMENTAL SERVICES AT 1-800-362-2764 AND ALL OTHER UTILITY COMPANIES 48 HOURS PRIOR TO CONSTRUCTION TO OBTAIN FIELD LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES (811).
- NO SERVICE CONNECTIONS SHALL BE MADE TO THE WATER MAIN UNTIL THE MAIN LINE HAS BEEN INSPECTED, TESTED, DISINFECTED AND RELEASED FOR TAPS AND ON-PREMISE.
- THE WATER MAIN INSTALLATION WILL BE INSPECTED BY MONTGOMERY COUNTY ENVIRONMENTAL SERVICES, AREAS NORTH OF US-35 MAY BE INSPECTED BY THE CITY OF DAYTON, IF REQUIRED.
- WATER MAINS, BENDS AND FITTING SHALL BE DUCTILE CAST IRON PIPE AND CONFORM TO ANSI A-21.51 (AWWA-C151), CLASS 51.
- WATER MAINS SHALL HAVE 4'-6" MINIMUM COVER.
- ONLY MONTGOMERY COUNTY ENVIRONMENTAL SERVICES PERSONNEL SHALL OPERATE MAIN LINE WATER VALVES.
- FIRE HYDRANTS (CLOSEST POINT) SHALL BE LOCATED 2' FROM AND WITHIN 5' OF THE CURB OR EDGE OF PAVEMENT AND 4" STORZ OPENING TO FACE THE STREET.
- WATER LINES CROSSING ANY AND ALL SEWERS SHALL HAVE A MINIMUM VERTICAL SEPARATION OF 18" BETWEEN THE OUTSIDES OF THE WATER MAIN PIPE AND THE SEWER PIPE. ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED AT THE POINT OF CROSSING SUCH THAT BOTH JOINTS WILL BE EQUIDISTANT AND AS FAR FROM THE SEWER AS POSSIBLE. IF WATER CROSSES BELOW SANITARY SEWERS, THE SEWER MUST BE WATER MAIN MATERIAL FOR THAT SPAN.
- ALL GATE VALVES ARE TO BE LOCATED AT TEES OR CROSSES WITH A ONE FOOT, (3') MAXIMUM NIPPLE BETWEEN TEE OR CROSS AND VALVE. ALL PLUGS ARE TO BE CONNECTED TO VALVES EXCEPT WHERE SHOWN ON PLANS.
- ANY CONSTRUCTION OF, OR CONNECTION TO PRE-STRESSED CONCRETE WATER MAINS WILL REQUIRE A MEETING WITH MONTGOMERY COUNTY ENVIRONMENTAL SERVICES BEFORE ORDERING THE PIPE FOR THE PROJECT.
- ALL FIRE HYDRANTS AND/OR VALVES NOTED TO BE RELOCATED SHALL BE INSPECTED PRIOR TO BEING PLACED BACK INTO SERVICE. ONLY FIRE HYDRANTS MEETING THE CURRENT SPECIFICATIONS WILL BE PLACED BACK INTO SERVICE. ALL VALVES THAT ARE NOT RESTRAINED OR ANCHORED SHALL BE REPLACED.
- ALL WATER SERVICES AND SANITARY SERVICES NOTED TO BE ABANDONED SHALL BE ABANDONED AT THE MAIN.

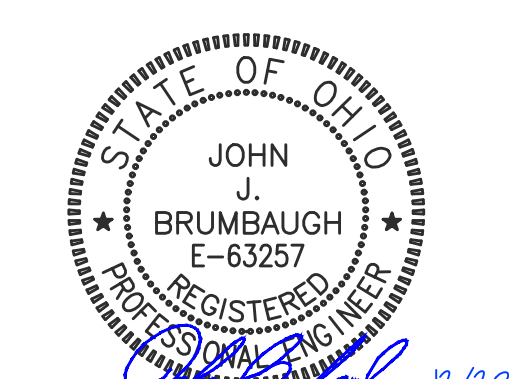
**UNDERGROUND UTILITIES:**

EXISTING UNDERGROUND UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION ACCORDING TO THE BEST AVAILABLE INFORMATION. THE UTILITIES SHOWN HEREON WERE SHOWN FROM OBSERVED EVIDENCE TOGETHER WITH FIELD MARKINGS OBTAINED FROM UTILITY COMPANIES. HOWEVER LACKING EXCAVATION, THE LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. IF ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, EXCAVATION MAY BE NECESSARY. TWO (2) WORKING DAYS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE OHIO UTILITIES PROTECTION SERVICE (OUPS) AT 1-800-362-2764, AND ANY OTHER AGENCY WHICH MIGHT HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NON-MEMBERS OF OUPS. IF, DURING CONSTRUCTION, INTERFERENCE ARISES WITH EXISTING UTILITIES IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UTILITY COMPANY INVOLVED. ANY AND ALL WORK REQUIRED FOR PUBLIC OR PRIVATE UTILITIES WILL BE DONE BY AND AT THE EXPENSE OF THE CONTRACTOR.

PREPARED BY:

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JOHN BRUMBAUGH  
REGISTERED ENGINEER OF OHIO NO. 63257

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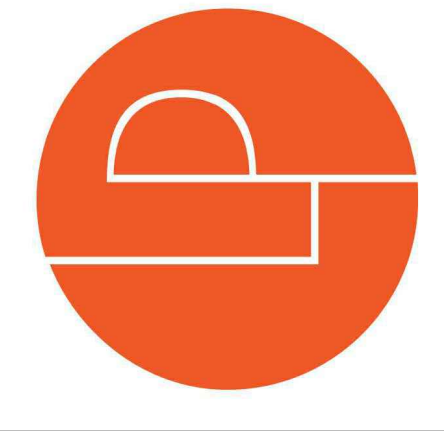
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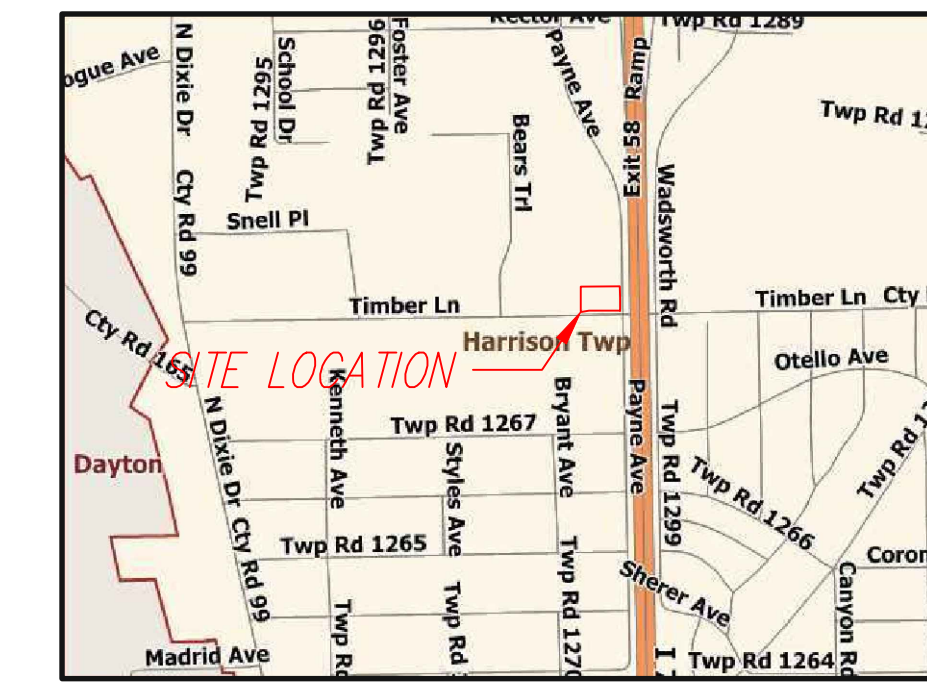
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TITLE SHEET  
**C1**

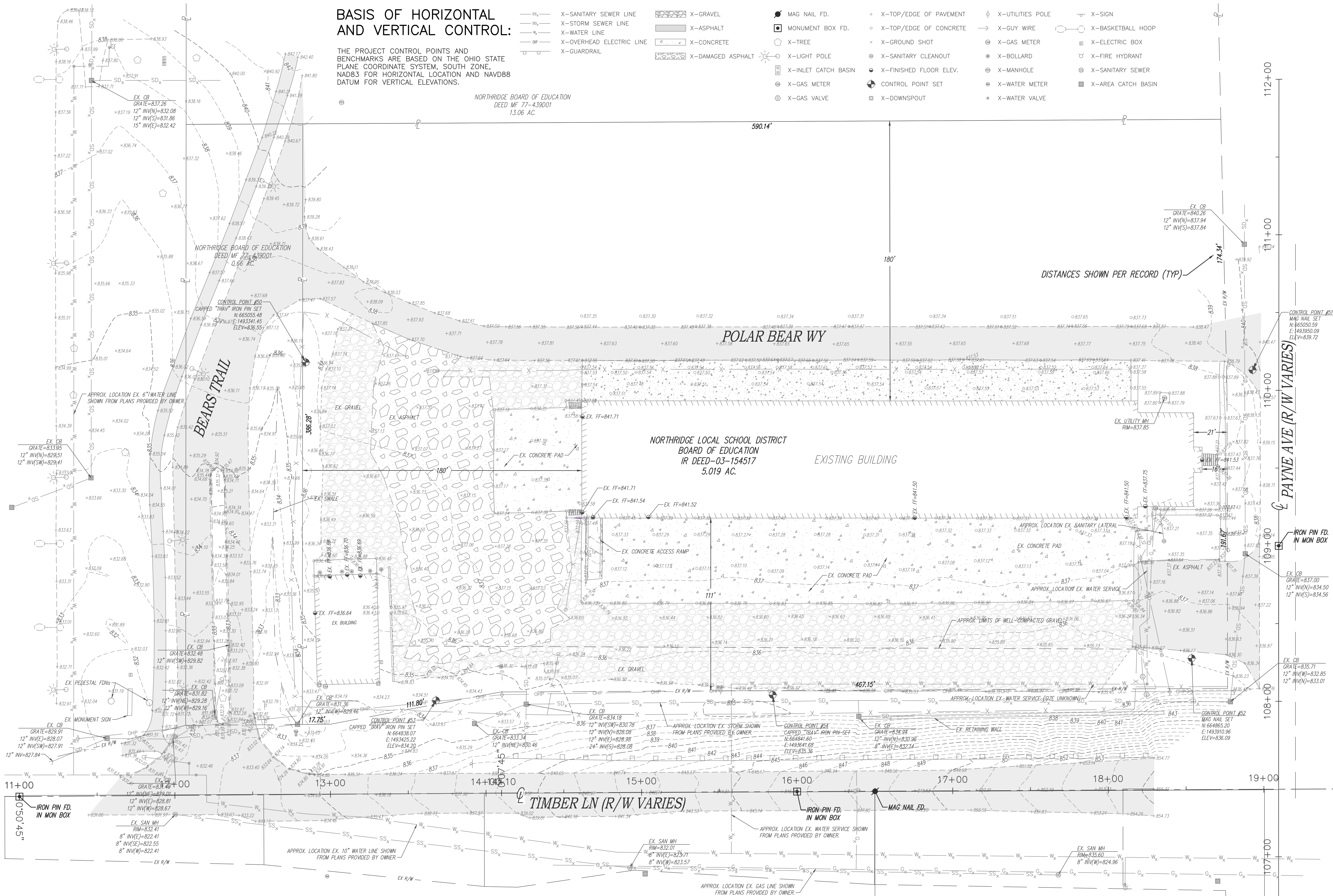
LOCATION MAP



BASIS OF HORIZONTAL AND VERTICAL CONTROL:

THE PROJECT CONTROL POINTS AND BENCHMARKS ARE BASED ON THE OHIO STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD83 FOR HORIZONTAL LOCATION AND NAVD88 DATUM FOR VERTICAL ELEVATIONS.

- X-SANITARY SEWER LINE
- X-STORM SEWER LINE
- X-WATER LINE
- X-OVERHEAD ELECTRIC LINE
- X-GUARDRAIL
- X-GRAVEL
- X-ASPHALT
- X-CONCRETE
- X-DAMAGED ASPHALT
- MAG NAIL FD.
- MONUMENT BOX FD.
- X-TREE
- X-LIGHT POLE
- X-INLET CATCH BASIN
- X-GAS METER
- X-GAS VALVE
- X-TOP/EDGE OF PAVEMENT
- X-TOP/EDGE OF CONCRETE
- X-GROUND SHOT
- X-SANITARY CLEANOUT
- X-FINISHED FLOOR ELEV.
- CONTROL POINT SET
- X-DOWNSPOUT
- X-UTILITIES POLE
- X-GUY WIRE
- X-GAS METER
- X-BOLLARD
- X-MANHOLE
- X-WATER METER
- X-WATER VALVE
- X-SIGN
- X-BASKETBALL HOOP
- X-ELECTRIC BOX
- X-FIRE HYDRANT
- X-SANITARY SEWER
- X-AREA CATCH BASIN



PLAN NORTH



HORIZONTAL SCALE 1"=30'

SURVEY NOTES:

- PROPERTY LINE LOCATIONS, BEARINGS AND DISTANCES SHOWN ARE FROM RECORDED INFORMATION.
- THIS SURVEY IS FOR TOPOGRAPHICAL PURPOSES ONLY. ALL TOPOGRAPHICAL FEATURES SHOWN ARE EITHER FROM ABOVE GROUND FEATURES READILY OBSERVABLE, OR FROM EXISTING RECORDS WHOSE ACCURACY CAN NOT BE CERTIFIED BY US.
- THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE SEARCH.

EXISTING UTILITIES

EXISTING UNDERGROUND UTILITIES & SERVICES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ACCORDING TO THE BEST INFORMATION AVAILABLE. SOURCES BEING: PLANS PROVIDED BY THE CITY OF DAYTON, CUPS MARKINGS, AND A UTILITY LOCATE SCAN BY UNDERGROUND DETECTIVE COMBINED WITH OBSERVED EVIDENCE OF UTILITIES, TO DEVELOP A VIEW OF THOSE UNDERGROUND UTILITIES; HOWEVER LACKING EXCAVATION, THE EXACT LOCATION CANNOT BE DETERMINED. THE LOCATIONS SHOWN ARE INTENDED ONLY AS A GUIDE & CANNOT BE GUARANTEED ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR:

- CONTACTING ALL UTILITY OWNERS TEN DAYS PRIOR TO CONSTRUCTION & ADVISING THEM OF THE WORK TO TAKE PLACE.
- SOLICITING THEIR AID IN LOCATING & PROTECTING ANY UTILITY WHICH MAY INTERFERE WITH CONSTRUCTION.
- EXCAVATING & VERIFYING THE HORIZONTAL & VERTICAL LOCATION OF EACH UTILITY.
- ALL DAMAGE TO ANY EXISTING UTILITY.

NOTE - WITH REGARD TO EXISTING UTILITIES, SOURCE INFORMATION FROM PLANS AND MARKINGS HAS BEEN COMBINED WITH OBSERVED EVIDENCE OF UTILITIES TO DEVELOP A VIEW OF THOSE UNDERGROUND UTILITIES; HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. WHEN ACCURATE, ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED. THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY.

THE FOLLOWING ARE KNOWN OWNERS OF UNDERGROUND UTILITIES WHO SHALL BE NOTIFIED TEN DAYS PRIOR TO CONSTRUCTION TO FIELD LOCATE SAID UTILITIES. THE CONTRACTOR SHALL NOTIFY THE BELOW UTILITY OWNERS, CUPS (1-800-362-2764) & DIRECTLY NOTIFY ANY NON-MEMBERS OF CUPS. IF, DURING CONSTRUCTION, INTERFERENCE ARISES WITH EXISTING UTILITIES IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UTILITY COMPANY INVOLVED. ANY AND ALL WORK REQUIRED FOR PUBLIC OR PRIVATE UTILITIES WILL BE DONE BY AND AT THE EXPENSE OF THE CONTRACTOR.

- UTILITY OWNERSHIP**
- SANITARY & WATER: CITY OF DAYTON
  - WATER & SEWER: CITY OF DAYTON
  - TELEPHONE: AT&T - OHIO (800)-288-2020
  - CABLE: CHARTER COMM (800)-892-4357
  - ELECTRIC: AES OHIO (800)-433-8500
  - GAS: CENTERPOINT ENERGY (800)-227-1376



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**NLSD TRUCKING TERMINAL - RENOVATION**

407 PAYNE AVE.  
DAYTON, OH 45414



PROJECT NO: 576.22  
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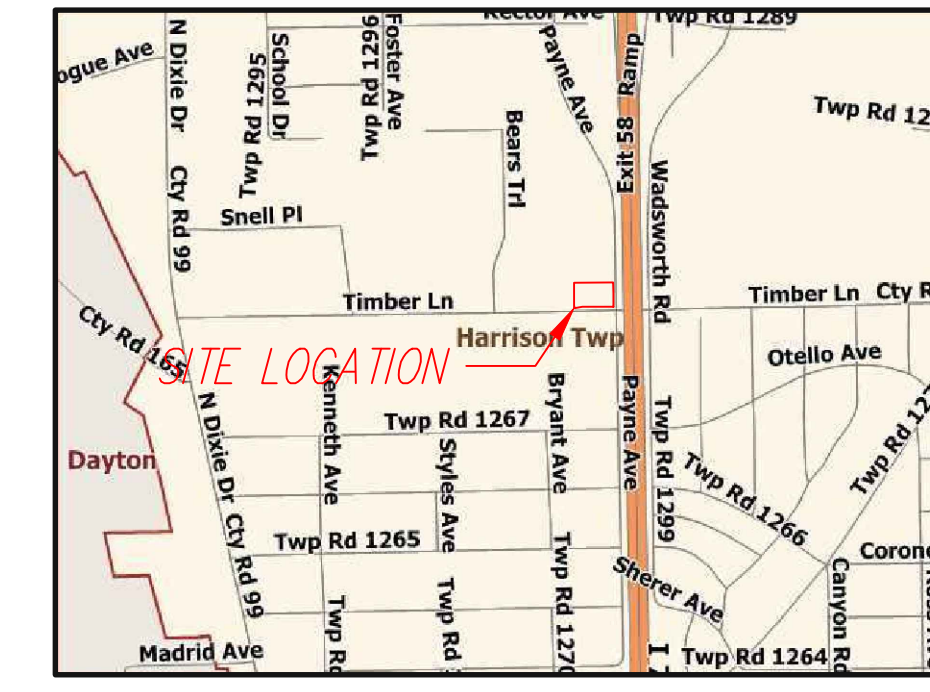
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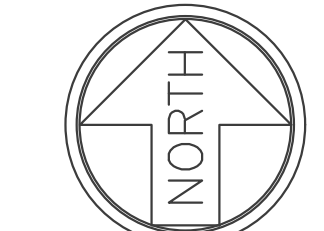
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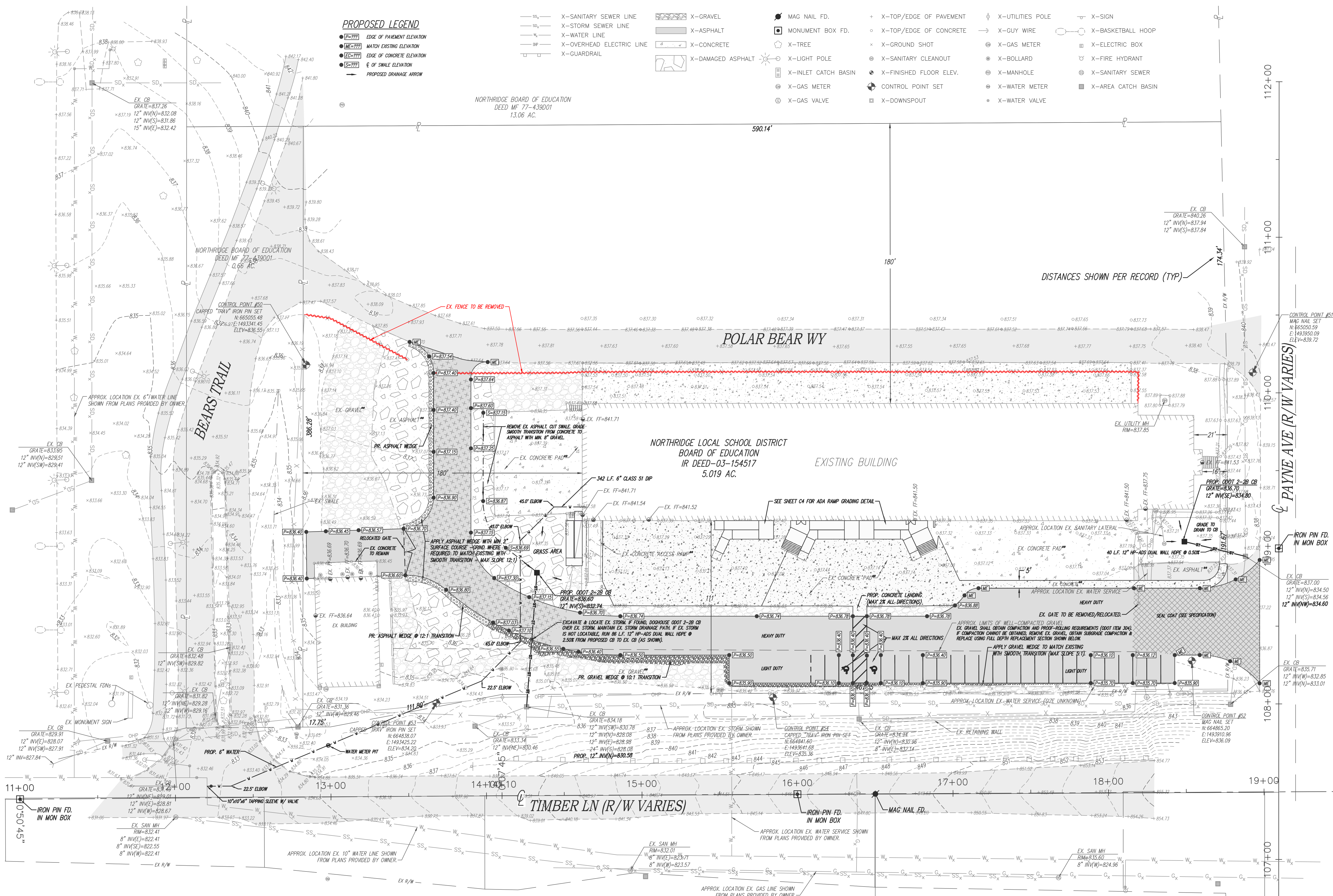
LOCATION MAP  
NTS



PLAN NORTH



HORIZONTAL SCALE 1"=30'  
0' 30' 60' 90'



**PROPOSED LEGEND**  
 (E-1) EDGE OF PAVEMENT ELEVATION  
 (E-2) WADY EXISTING ELEVATION  
 (E-3) EDGE OF CONCRETE ELEVATION  
 (E-4) E OF SMALL ELEVATION  
 (E-5) PROPOSED DRAINAGE ARROW

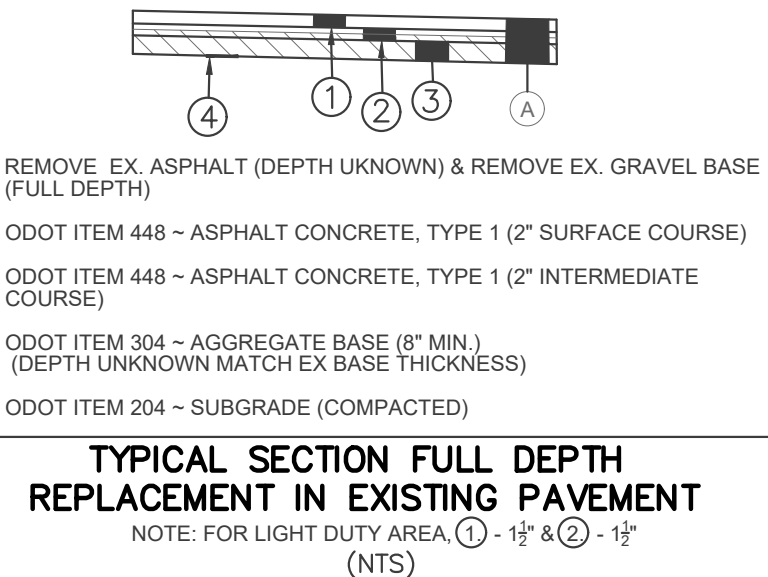
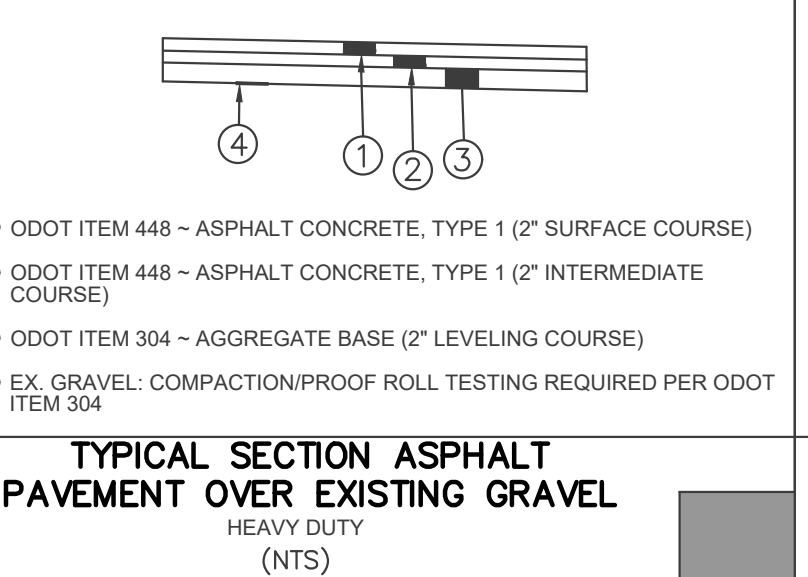
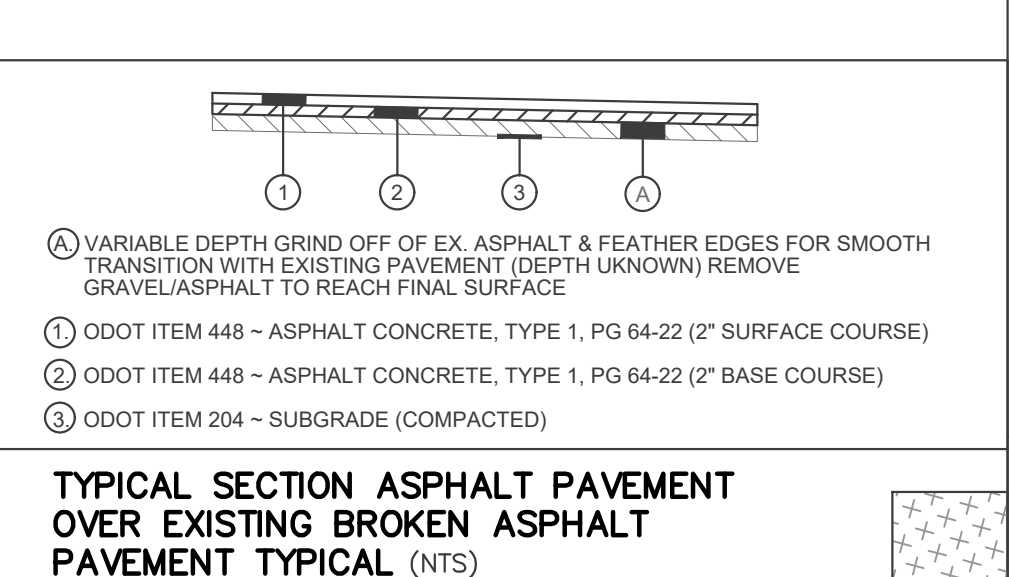
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 MAG NAIL FD.  
 MONUMENT BOX FD.  
 X-TREE  
 X-LIGHT POLE  
 X-INLET CATCH BASIN  
 X-GAS METER  
 X-GAS VALVE  
 X-TOP/EDGE OF PAVEMENT  
 X-TOP/EDGE OF CONCRETE  
 X-GROUND SHOT  
 X-SANITARY CLEANOUT  
 X-FINISHED FLOOR ELEV.  
 CONTROL POINT SET  
 X-DOWNSPOUT  
 X-UTILITIES POLE  
 X-GUY WIRE  
 X-GAS METER  
 X-BOLLARD  
 X-MANHOLE  
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 X-WATER VALVE  
 X-SIGN  
 X-BASKETBALL HOOP  
 X-ELECTRIC BOX  
 X-FIRE HYDRANT  
 X-SANITARY SEWER  
 X-AREA CATCH BASIN

NORTHDRIDGE BOARD OF EDUCATION  
 DEED MF 77-43001  
 13.06 AC.

NORTHDRIDGE LOCAL SCHOOL DISTRICT  
 BOARD OF EDUCATION  
 IR DEED-03-154517  
 5.019 AC.

PAVEMENT NOTES:

- ALL WEEDS AND GRASS SHALL BE KILLED OR REMOVED FROM AREAS THAT ARE TO RECEIVE AN OVERLAY OF ASPHALT.
- ANY MAJOR CRACKS OR VOIDS FOUND IN AREAS TO BE OVERLAYED SHALL BE FILLED WITH SAND BLACKTOP PRIOR TO ASPHALT BEING OVERLAYED.
- ALL AREAS WHERE PROPOSED ASPHALT TIE INTO EXISTING ASPHALT THE CONTRACTOR SHALL SAW CUT FOR A CLEAN EDGE AND APPLY TACK COAT TO THE EXPOSED EDGE.
- MINIMUM THICKNESS OF ASPHALT SURFACE COURSE SHALL BE PER ODOT STANDARDS BEING 1.25" THICKNESS CONTRACTOR TO GRIND WHERE REQUIRED TO OBTAIN DESIRED THICKNESS.



NOTES:

- \*\*EX. SURFACE TO REMAIN UNLESS OTHERWISE DIRECTED BY OWNER.
- SEAL COAT SPECIFICATION**
- APPLY SEAL COAT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
  - APPLY SEAL COAT ON ASPHALT AT UNIFORM RATE SPECIFIED BY MANUFACTURER. NOT TO BE LESS THAN D.
  - SEAL COAT: MEET OR EXCEED ASTM D 5727 WITH CHARCOAL BLACK COLOR MIX DESIGN MODERATE TRAFFIC. COVERAGE RATE TO BE 1ST COAT- 0.10-0.15 GAL/SQ. YD., 2ND COAT 0.08-0.12 GAL/SQ. YD.
  - LIMITATIONS: PER MANUFACTURER'S SPECIFICATIONS.

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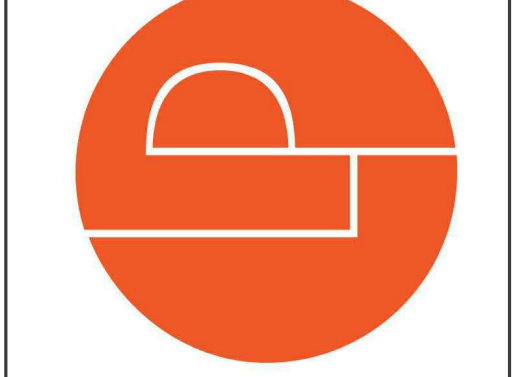
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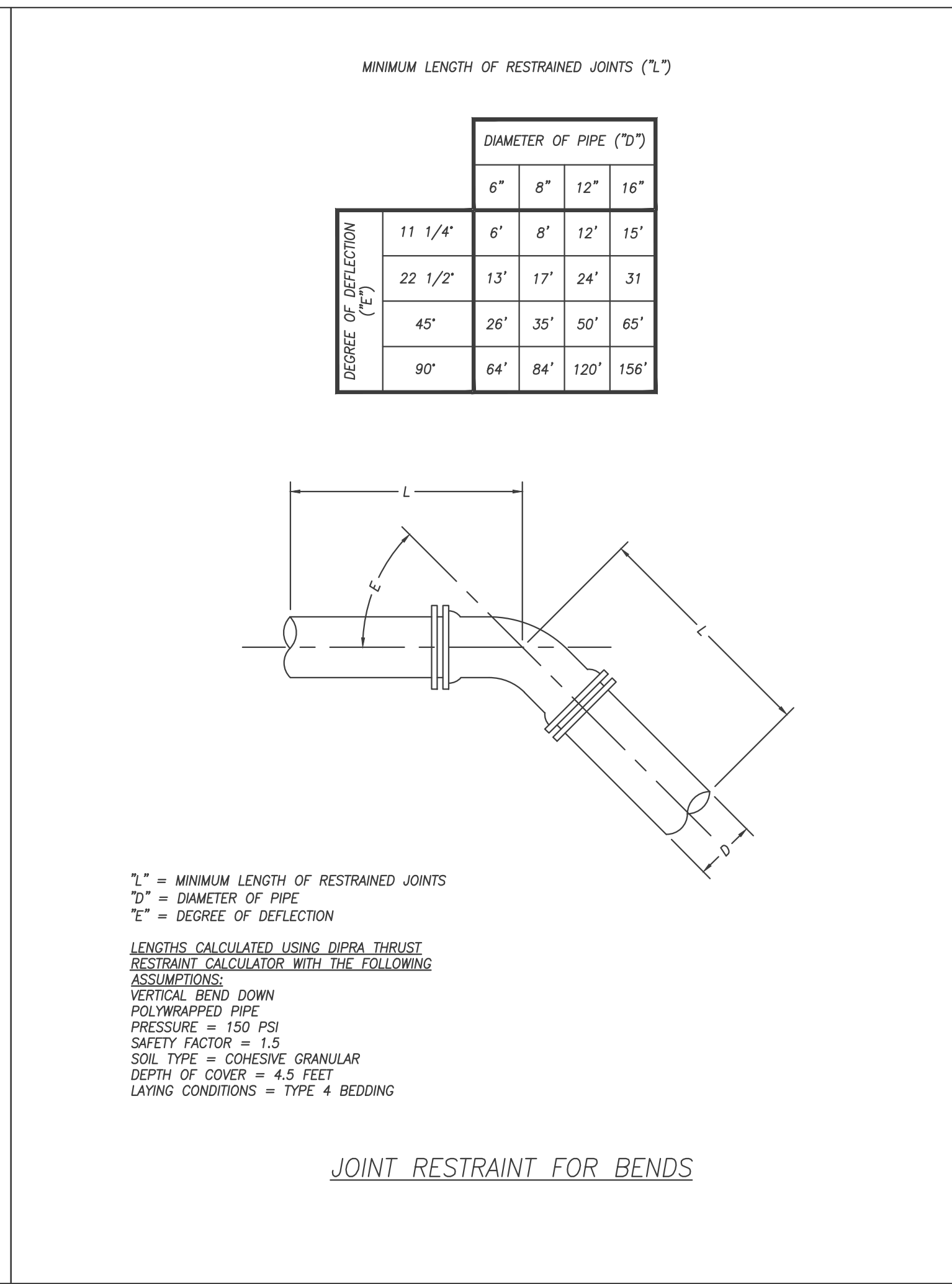
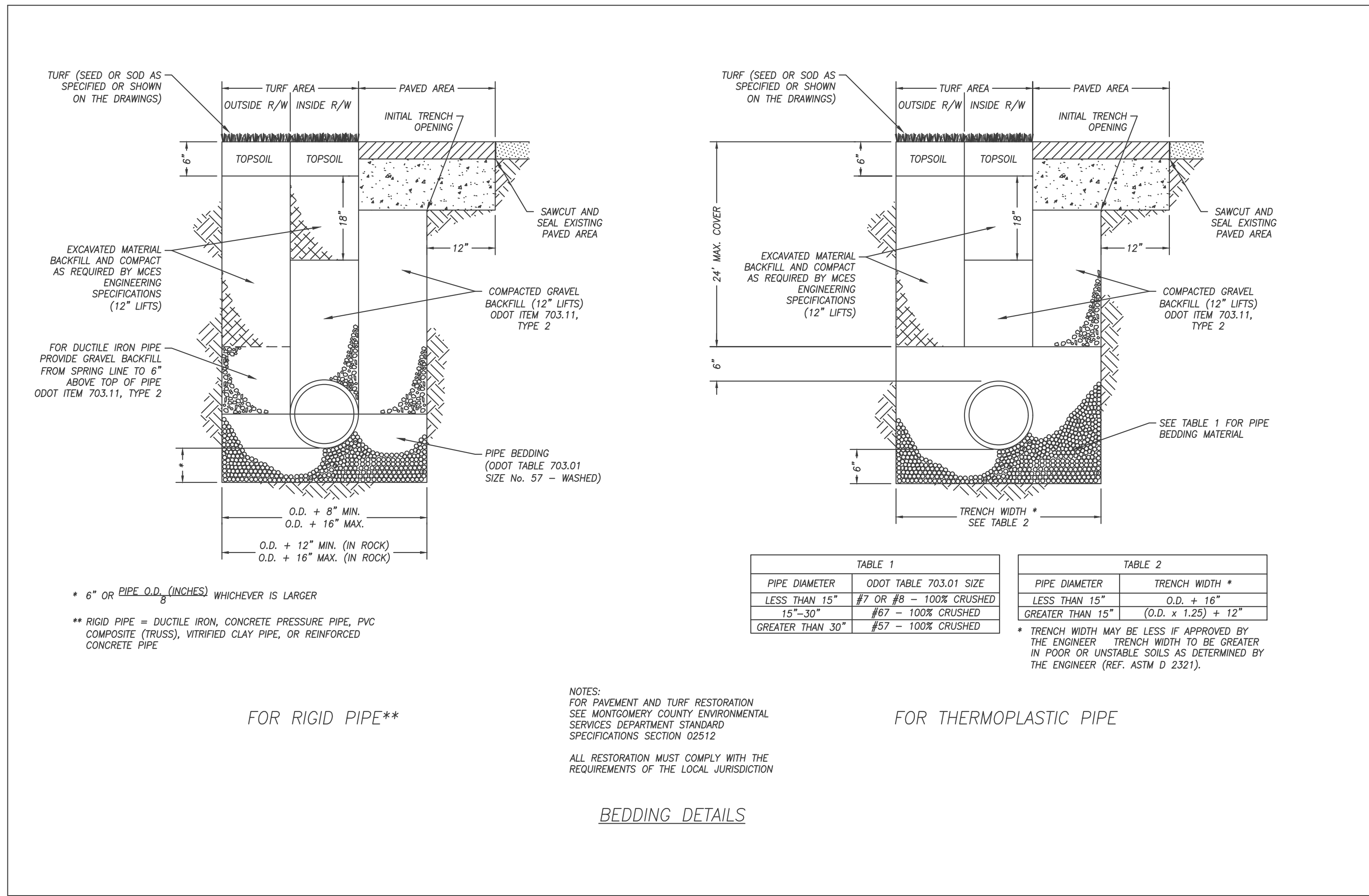
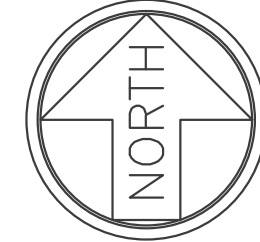
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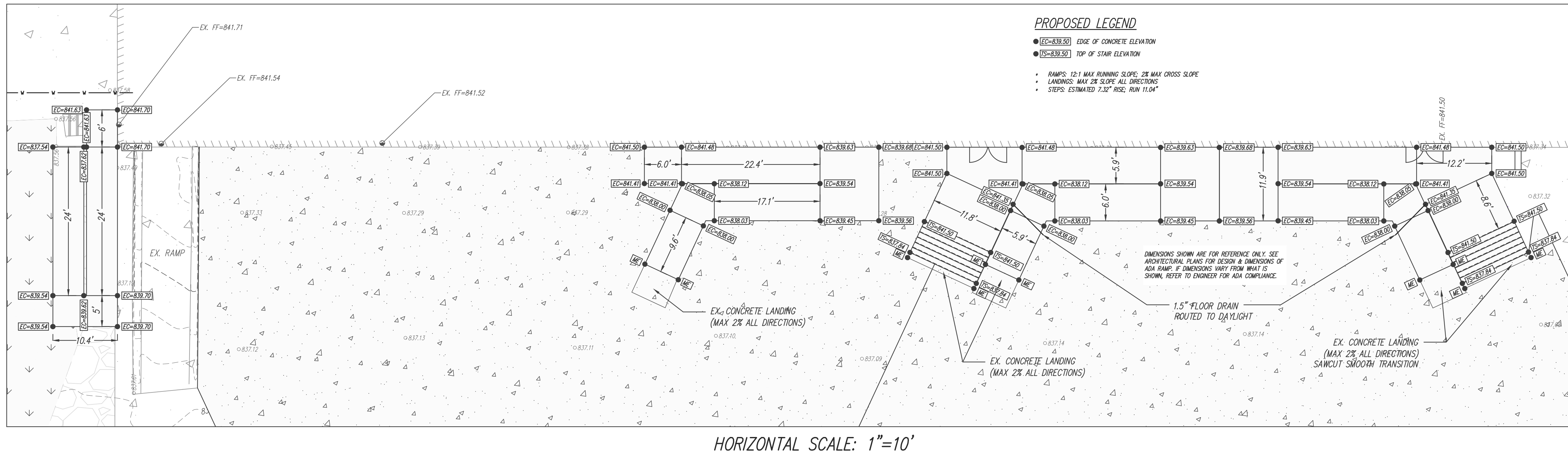
SITE & GRADING PLAN



PLAN NORTH



ADA RAMP DETAIL GRADING PLAN



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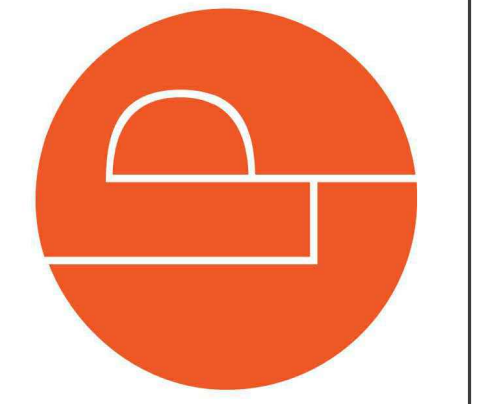
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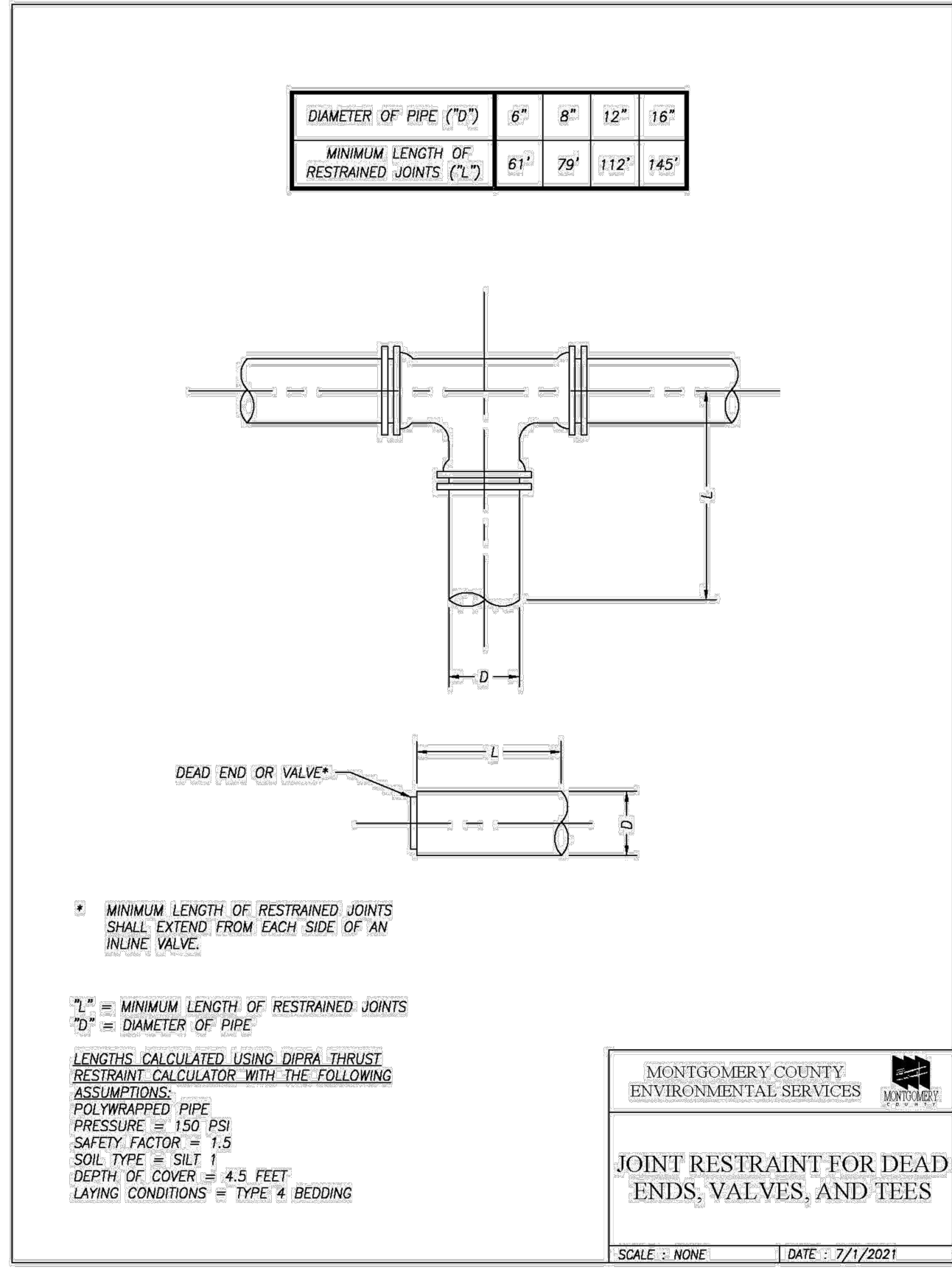
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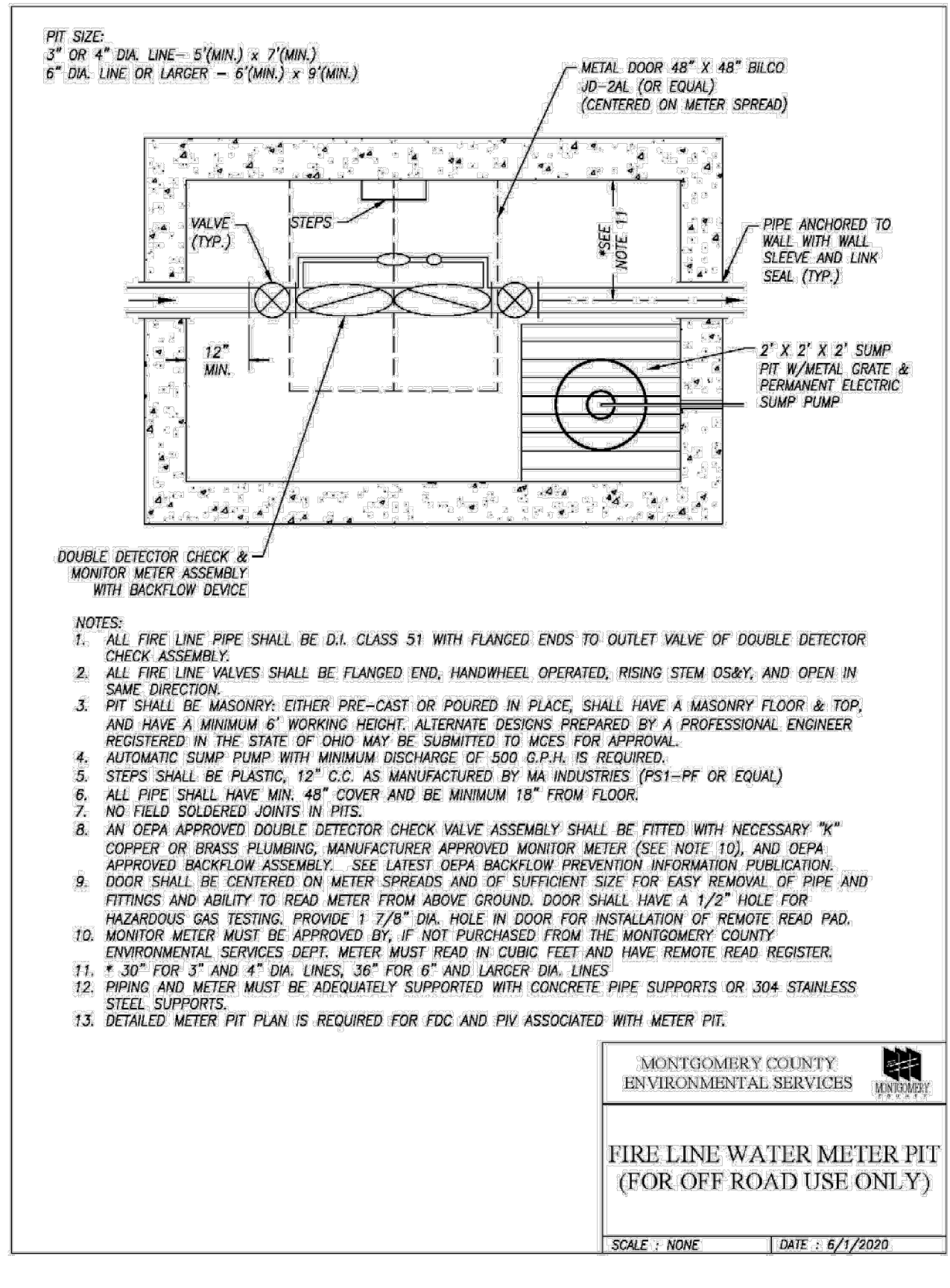
NOTES & DETAILS  
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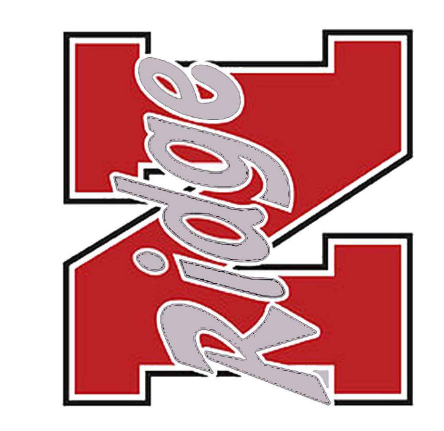
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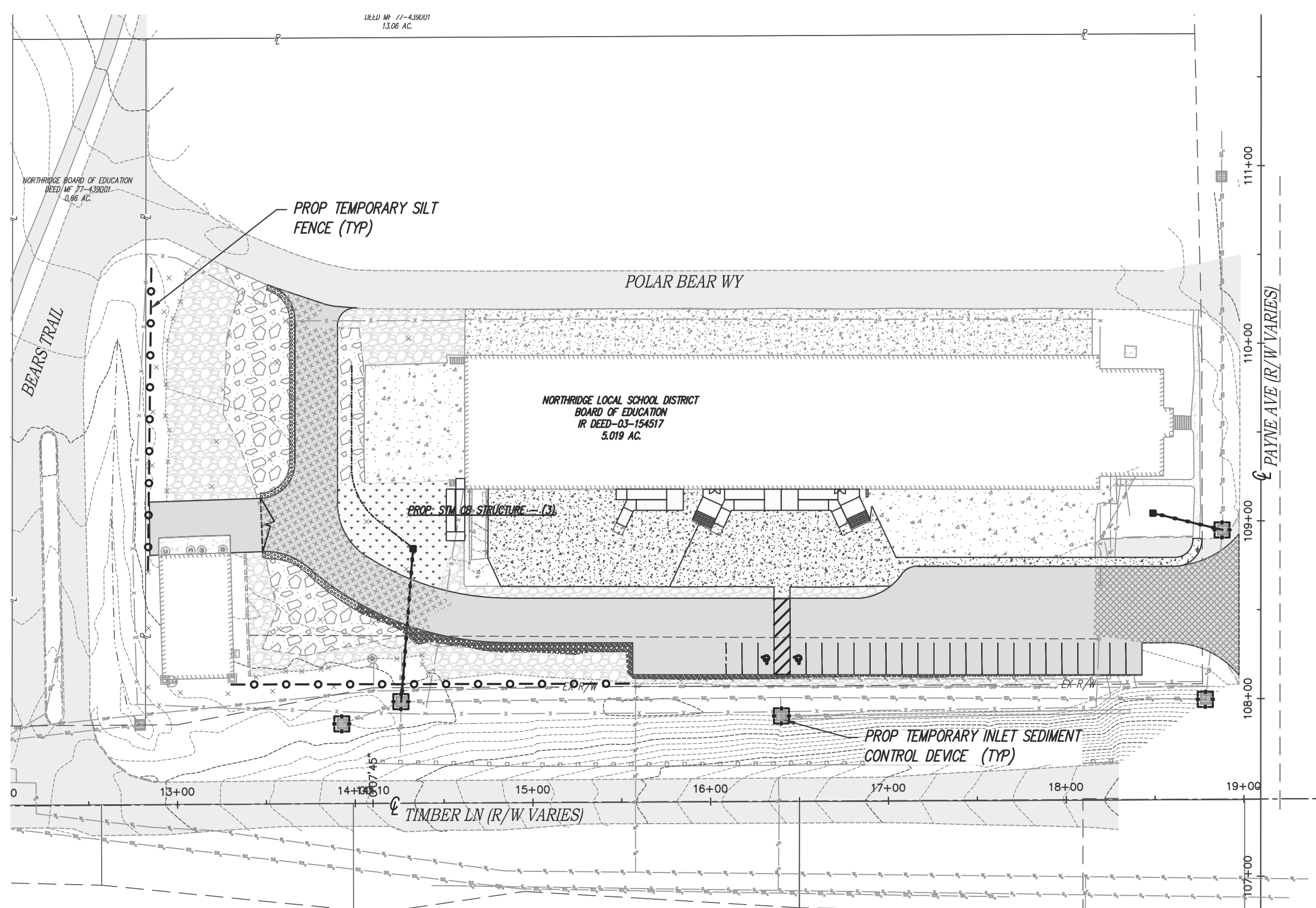
NOTES & DETAILS

**C5**

**STORMWATER MANAGEMENT NOTES:**

- SITE IS APPROXIMATELY 0.75 ACRE OF DISTURBED AREA AND DOES NOT FALL UNDER THE OHIO EPA NPDES PERMIT REQUIREMENTS. TO KEEP WITH BEST MANAGEMENT PRACTICES, THE SITE HAS BEEN DESIGNED TO IMPLEMENT BEST MANAGEMENT PRACTICES TO THE STORMWATER RUNOFF DUE TO THE PROPOSED IMPROVEMENTS.
- THE PROJECT IS ESSENTIALLY A RESURFACING PROJECT OF EXISTING ASPHALT & HEAVILY COMPACTED GRAVEL WITH NEW ASPHALT. THERE ARE SOME MINOR IMPROVEMENTS SUCH AS REMOVING GRAVEL FOR A GRASS AREA AND INSTALLING CONCRETE RAMPS ON EXISTING CONCRETE.

- THERE IS NO INCREASE IN HARD SURFACE AREA AND NO ANTICIPATED INCREASE IN STORMWATER RUNOFF DUE TO IMPROVEMENTS.



**STORMWATER POLLUTION PREVENTION PLAN GENERAL NOTES & REQUIREMENTS**

**ADMINISTRATIVE REQUIREMENTS**

1. IF SITE DISTURBANCE IS GREATER THAN 1 ACRE, FILE THE NOI WITH OHIO EPA AT LEAST 21 DAYS PRIOR TO THE START OF ANY CONSTRUCTION.
2. IF PROJECT IS WITHIN AN UNBUILT AREA (UA) OR AREA WHERE THERE IS LOCAL APPROVAL OF SEDIMENT AND EROSION CONTROL PLANS, A COPY OF THE NOI MUST ALSO BE SUBMITTED TO THE LOCAL APPROVING AGENCY.
3. NO CONSTRUCTION ACTIVITIES MAY BEGIN UNTIL YOU RECEIVE A DIRECTORS AUTHORIZATION LETTER GRANTING COVERAGE UNDER THE NPDES PERMIT.
4. A COPY OF THE NOI, DIRECTORS AUTHORIZATION LETTER AND STORMWATER POLLUTION PREVENTION PLAN (SWPP) MUST BE KEPT ON SITE DURING WORKING HOURS.
5. AMEND THE SWPP WHENEVER THERE IS A CHANGE IN SITE DESIGN, CONSTRUCTION, OPERATION OR MAINTENANCE THAT REQUIRES THE INSTALLATION OF BEST MANAGEMENT PRACTICES (BMP) OR MODIFICATIONS TO EXISTING BMPs.
6. WHILE THE SWPP IS NOT TYPICALLY SUBMITTED TO OHIO EPA AT THE TIME THE NOI IS FILED, OHIO EPA MAY REVIEW THE SWPP AT ANY TIME. IF OHIO EPA REQUESTS CHANGES TO THE SWPP IN WRITING, THEY MUST BE MADE WITHIN 7 DAYS OF THE REQUEST.
7. MAINTAIN A WRITTEN DOCUMENT ACKNOWLEDGING UNDERSTANDING OF THE SWPP AND RESPONSIBILITIES UNDER THE PLAN SIGNED BY ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED IN THE IMPLEMENTATION OF THE SWPP.
8. FORTY-EIGHT HOURS PRIOR TO ANY EARTH DISTURBING WORK, THE CONTRACTOR SHALL NOTIFY THE VILLAGE DEPARTMENT OF WATER.

**REQUIREMENTS REGARDING EROSION CONTROLS**

1. BMPs WHICH PRESERVE THE EXISTING NATURAL SITE CONDITION AS MUCH AS FEASIBLE ARE REQUIRED TO BE UTILIZED IN THE SWPP, SUCH AS PHASED CONSTRUCTION TO MINIMIZE LAND DISTURBED AT ANY ONE TIME, PRESERVING RIPARIAN AREAS AND STEEP SLOPES WHEREVER PRACTICABLE.
2. STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN 7 DAYS OF REACHING FINAL GRADE.
3. AREAS WITHIN 50 FEET OF A STREAM (INCLUDING INTERMITTENT STREAMS) MUST BE STABILIZED WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCES.
4. TEMPORARY STABILIZATION OF DISTURBED AREAS THAT WILL BE REWORKED, BUT NOT FOR 21 DAYS OR MORE FROM THE DATE THEY WERE LAST DISTURBED, MUST BE INITIATED WITHIN 7 DAYS OF LAST DISTURBANCE.
5. DISTURBED AREAS INTENDED TO BE LEFT IDLE OVER WINTER MUST BE STABILIZED PRIOR TO THE ONSET OF WINTER WEATHER, I.E., SUSTAINED SNOW COVER OR FROZEN GROUND CONDITIONS.
6. SPECIAL MEASURES MUST BE TAKEN AS NECESSARY TO STABILIZE DRAINAGE CHANNELS AND STORM WATER OUTFALLS.
7. RUNOFF MUST BE DIVERTED AWAY FROM DISTURBED AREAS AND STEEP SLOPES WHEREVER PRACTICABLE.
8. PROPERTIES ADJACENT TO THE SITE OF LAND DISTURBANCE WILL BE PROTECTED FROM SEDIMENT DEPOSITION. THIS WILL BE ACCOMPLISHED BY PRESERVING A WELL VEGETATED BUFFER STRIP AROUND THE LOWER PERIMETER OF LAND DISTURBANCE, BY INSTALLING PERIMETER CONTROLS SUCH AS SEDIMENT TRAPS, FILTERS OR DIKES, OR SEDIMENT BASINS, OR BY A COMBINATION OF SUCH MEASURES. VEGETATED FILTER STRIPS MAY BE USED ALONE ONLY WHERE THE RUNOFF IN SHEET FLOW IS EXPECTED. FILTER STRIPS SHOULD BE AT LEAST 15 FEET IN WIDTH. IF AT ANY TIME IT IS FOUND THAT A VEGETATED FILTER STRIP ALONE IS INEFFECTIVE IN STOPPING SEDIMENT MOVEMENT INTO ADJACENT PROPERTY, ADDITIONAL PERIMETER CONTROLS MUST BE PROVIDED.
9. CUT AND FILL SLOPES WILL BE DESIGNED AND CONSTRUCTED IN A MANNER WHICH WILL MINIMIZE EROSION. SLOPES WHICH ARE FOUND TO BE ERODING EXCESSIVELY WITHIN ONE YEAR OF CONSTRUCTION WILL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZING MEASURES UNTIL THE PROBLEM IS CORRECTED.

**REQUIREMENTS REGARDING SEDIMENT CONTROLS**

1. PLAN SEDIMENT CONTROLS FOR ANY AREA THAT WILL REMAIN DISTURBED FOR 14 DAYS OR LONGER.
2. SEDIMENT CONTROLS MUST FLOW RUNOFF IN ORDER TO BE CONSIDERED FUNCTIONAL.
3. SEDIMENT BARRIERS, SUCH AS SILT FENCE OR DIVERSIONS, MUST BE IMPLEMENTED TO PREVENT SILT FROM ENTERING WATER RESOURCES THAT RUN THROUGH THE PROPERTY.
4. SILT FENCE IS ONLY ALLOWED TO BE USED TO CONTROL SHEET FLOW RUNOFF FROM LIMITED DRAINAGE AREAS. THE PERMISSIBLE DRAINAGE AREA PER PER LINEAR FEET OF SILT FENCE IS DEPENDENT ON THE SLOPE BUT IS NO MORE THAN 0.5 ACRE. SILT FENCE CAN NOT BE USED TO CONTROL DRAINAGE AREAS WITH A SLOPE OF GREATER THAN 50%.
5. NO MORE THAN 10 ACRES MAY DRAIN TO A DIVERSION.
6. INLET PROTECTION MUST BE IMPLEMENTED TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM, UNLESS THE SYSTEM DISCHARGES TO A SEDIMENT POND.
7. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES WILL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.

**I.E. STORM INLET PROTECTION**

AS NEEDED, SEDIMENT SHALL BE REMOVED FROM STORM INLET FILTERS AND SHALL BE RESTORED TO ITS ORIGINAL WORKING CONDITION. AT NO TIME SHALL THE SEDIMENT BUILDUP IN FILTERS LIMIT ITS FUNCTION. CHECK AFTER EACH MAJOR RAIN. FOLLOW ADD'L MAINTENANCE RECOMMENDATIONS.

**I.E. FILTER STRIPS**

A HEALTHY GROWTH OF VEGETATION CAN BEST BE MAINTAINED BY FERTILIZING, REMOVING SEDIMENT WHEN FILTER BECOMES CLOGGED, AND BY PREVENTING CONSTRUCTION TRAFFIC FROM DRIVING ACROSS FILTER STRIPS.

**I.E. SILT FENCES AND FILTER BARRIERS**

SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. DO NOT ALLOW STORM WATER TO FLOW UNDER OR AROUND SILT BARRIERS.

**I.E. STRAW BALE BARRIERS**

STRAW BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. DO NOT ALLOW STORM WATER TO FLOW UNDER OR AROUND SILT BARRIERS.

**I.E. ROCK CHECK DAMS**

ROCK CHECK DAMS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. DO NOT ALLOW STORM WATER TO FLOW UNDER OR AROUND SILT BARRIERS.

**I.E. SILT FENCE**

SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.

ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.

TO PREVENT WATER PONDING BY THE SILT FENCE FROM FLOWING UNDER THE ENDS, EACH END SHALL BE CONSTRUCTED UPSLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.

WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.

WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FT. (OR AS MUCH AS POSSIBLE) UPSLOPE FROM SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE RE-ESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.

THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 IN. ABOVE THE ORIGINAL GROUND SURFACE.

THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6 IN. DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE DEVICE WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.

THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE SO THAT 8 IN. OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6-IN. DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.

SEAMS BETWEEN SECTIONS OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.

MAINTENANCE: SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE:

THE LAYOUT OF SILT FENCE SHALL BE CHANGED.

ACCUMULATED SEDIMENT SHALL BE REMOVED, OR OTHER PRACTICES SHALL BE INSTALLED.

CONFORM WITH ALL OHIO EPA REQUIREMENTS.

INCLUDE SEDIMENT CONTROL MEASURES (SUCH AS DANDY BAGS) ON THE CATCH BASINS SURROUNDING THE AREA.

**VEGETATIVE PRACTICES**

**FILTER STRIP (FS)**  
A STRIP OR AREA OF VEGETATION (BEING A MIN. OF 18 FEET AND A MAX. OF 100 FEET IN WIDTH) TO REMOVE SEDIMENT AND OTHER POLLUTANTS FROM RUNOFF. THIS PRACTICE APPLIES TO LAND UNDERGOING DEVELOPMENT WHERE FILTER STRIPS ARE NEEDED TO REDUCE SEDIMENT DAMAGE TO ADJACENT PROPERTY. EXISTING GRASS OR GRASS/LEGUME MIXTURES IF WELL ESTABLISHED, SHOULD BE USED AS FILTER STRIPS.

**GRASS SELECTION AND ESTABLISHMENT**

ALL SEEDING AND MULCHING SHALL CONFORM TO ODOT ITEM 609.09 CLASS 2 UNLESS NOTED OTHERWISE IN SPECIFICATIONS.

**REQUIREMENTS FOR CONTROLS OF OTHER WASTES**

1. NO SOLID OR LIQUID WASTE, INCLUDING BUILDING MATERIALS OR THEIR PACKAGING, SHALL BE DISCHARGED IN STORM WATER RUNOFF.
2. CONCRETE TRUCKS ARE NOT PERMITTED TO WASH OUT DIRECTLY INTO STORM SEWERS, STREAMS OR DRAINAGE CHANNELS.
3. OFF-SITE TRACKING OF SEDIMENTS BY CONSTRUCTION VEHICLES MUST BE MINIMIZED. WHENEVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS WILL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. TEMPORARY CONSTRUCTION ROADS WILL FOLLOW THE CONTOUR OF THE NATURAL TERRAIN TO THE EXTENT POSSIBLE. SLOPES SHOULD NOT EXCEED 10 PERCENT. ROADSIDES SHALL BE AT LEAST 14 FEET WIDE FOR ONE-WAY TRAFFIC AND 20 FEET WIDE FOR TWO-WAY TRAFFIC. TEMPORARY PARKING AREAS WILL BE LOCATED ON NATURALLY FLAT AREAS WHENEVER POSSIBLE TO MINIMIZE GRADING. GRADES FOR SAID PARKING AREAS SHOULD BE SUFFICIENT TO PROVIDE DRAINAGE BUT NOT TO EXCEED 1 PERCENT SLOPE. BOTH TEMPORARY AND PERMANENT ROADS AND PARKING AREAS MAY REQUIRE PERIODIC TOP DRESSING WITH NEW GRAVEL. SEEDER AREAS ADJACENT TO ROADS AND PARKING AREAS WILL BE CHECKED PERIODICALLY TO ENSURE THAT A VIGOROUS STAND OF VEGETATION IS MAINTAINED.
4. WASTE DISPOSAL VIA OPEN BURNING IS PROHIBITED.
5. CONTAMINATED SOILS OR SOLS WHERE CONSTRUCTION SITE CHEMICALS HAVE BEEN SPILLED MUST BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
6. STORM WATER THAT COMES IN CONTACT WITH CONTAMINATED SOILS, OR SOLID INDUSTRIAL WASTE MUST BE COLLECTED AND DISPOSED OF AS WASTE WATER.
7. FUEL TANKS AND DRUMS OR OTHER CONTAINERS HOLDING CONSTRUCTION SITE CHEMICALS MUST BE STORED WITHIN A DIKED AREA.

**MAINTENANCE REQUIREMENTS**

1. ALL BMPs MUST BE MAINTAINED IN A FUNCTIONAL CONDITION UNTIL ALL UPSLOPE AREAS THEY CONTROL ARE PERMANENTLY RESTABILIZED.
2. QUALIFIED PERSONNEL (PROVIDED BY THE CONTRACTOR) MUST INSPECT ALL BMPs AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL WITHIN ANY 24-HOUR PERIOD AND DETERMINE IF THE SWPP HAS BEEN PROPERLY IMPLEMENTED.
3. WRITTEN REPORTS SUMMARIZING INSPECTION RESULTS MUST BE MADE AVAILABLE UPON REQUEST. REPORTS MUST INCLUDE: DATE OF INSPECTION, NAME AND QUALIFICATIONS OF THE INSPECTOR, WEATHER CONDITIONS, LOCATIONS WHERE INSPECTION OR OFF-SITE SEDIMENTATION WAS OBSERVED, LOCATIONS OF BMPs NEEDING MAINTENANCE, LOCATIONS OF BMPs FAILING TO OPERATE CORRECTLY OR PROVIDE ADEQUATE PROTECTION, OR LOCATION OF AREAS IN NEED OF ADDITIONAL BMPs NOT IN PLACE AT THE TIME OF INSPECTION.
4. THE REPORTS MUST IDENTIFY INCIDENCES OF NONCOMPLIANCE WITH THE NPDES PERMIT. WHERE A REPORT DOES NOT IDENTIFY INCIDENCES OF NONCOMPLIANCE, THE REPORT MUST CONTAIN A CERTIFICATION THAT THE SITE IS IN COMPLIANCE AT THE TIME OF INSPECTION.
5. THE REPORTS OR REPAIR OF BMPs MUST BE COMPLETED WITHIN 3 DAYS OF THE DATE OF THE INSPECTION THAT REVEALED THEY WERE DEFICIENT. FOR SEDIMENT PONDS, REPAIR OR MAINTENANCE IS REQUIRED WITHIN 10 DAYS OF THE DATE OF THE INSPECTION.
6. WHEN INSPECTIONS REVEAL THAT A BMP IS NOT EFFECTIVE AND THAT ANOTHER, MORE APPROPRIATE BMP IS REQUIRED, THE SWPPs MUST BE AMENDED AND THE MORE APPROPRIATE BMP MUST BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION THAT REVEALED THE DEFICIENCY.

**PERMIT CLOSURE REQUIREMENTS**

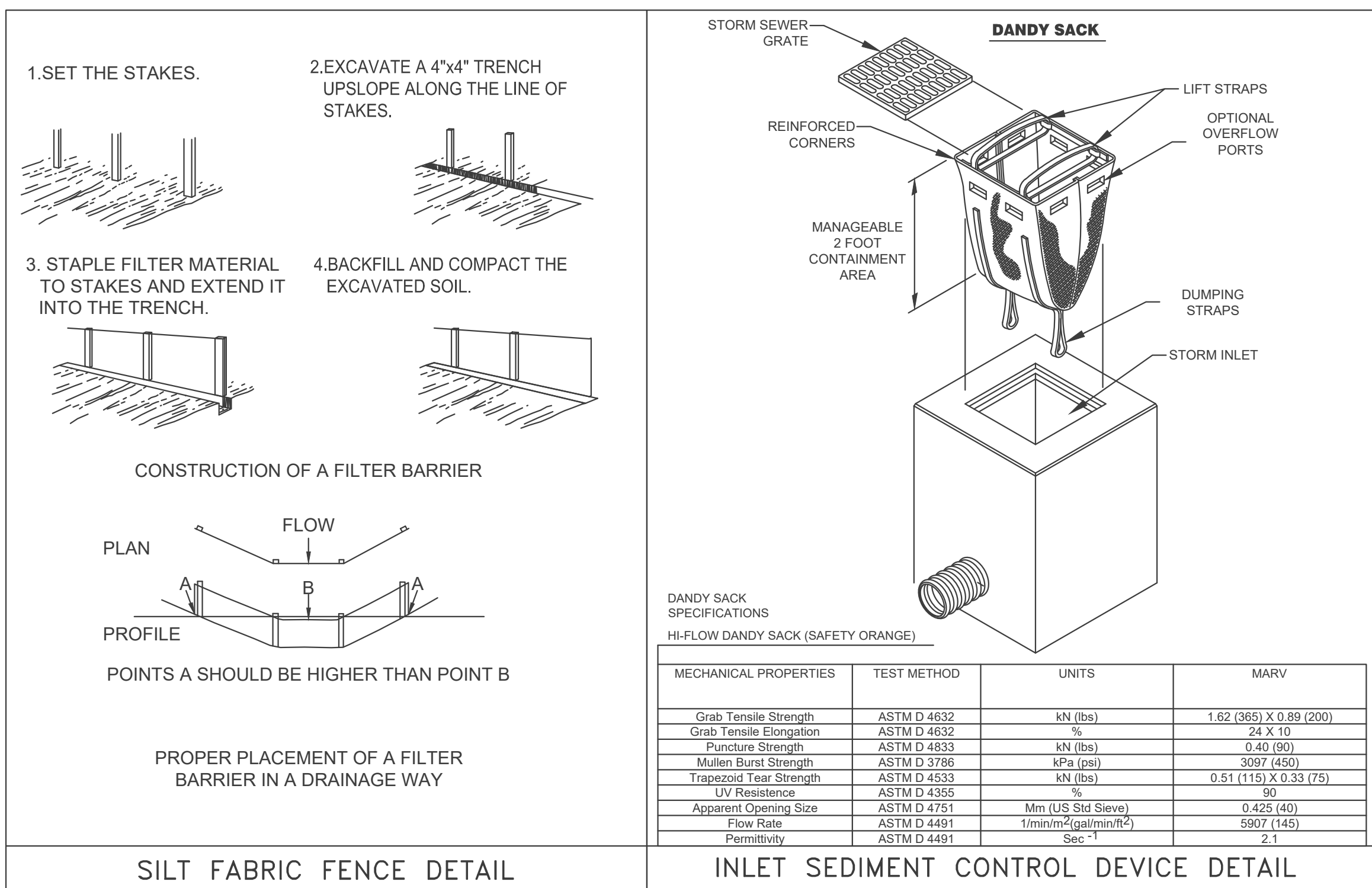
1. ONCE A SITE REACHES FINAL STABILIZATION AND CONSTRUCTION ACTIVITIES HAVE CEASED, NPDES PERMIT COVERAGE IS TERMINATED BY FILING A NOTICE OF TERMINATION (NOT). THE NOT MUST BE FILED WITHIN 45 DAYS OF REACHING FINAL STABILIZATION.
2. FINAL STABILIZATION IS DEFINED AS ESTABLISHING A VEGETATIVE GROUND COVER OF AT LEAST 70% GROWTH DENSITY, OR OTHER MEANS OF PERMANENT STABILIZATION, OVER THE ENTIRE AREA DISTURBED BY CONSTRUCTION ACTIVITIES.
3. FINAL STABILIZATION ALSO REQUIRES THAT ALL TEMPORARY SEDIMENT AND EROSION CONTROLS BE REMOVED FROM THE PROPERTY AND ALL SEDIMENT THAT WAS TRAPPED BY THOSE CONTROLS TO BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.

**SPECIFICATIONS FOR TEMPORARY SEEDING**

1. STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICE SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.
2. TEMPORARY SEEDING SHALL BE APPLIED BETWEEN CONSTRUCTION OPERATIONS ON SOIL THAT WILL NOT BE GRADED OR REWORKED FOR 45 DAYS OR MORE. THESE IDLE AREAS SHOULD BE SEED AS SOON AS POSSIBLE AFTER GRADING OR SHALL BE SEED WITHIN 7 DAYS. SEVERAL APPLICATIONS OF TEMPORARY SEEDING ARE NECESSARY ON TYPICAL CONSTRUCTION PROJECTS.
3. THE SEEDBED SHOULD BE FLURVED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. HOWEVER, TEMPORARY SEEDING SHALL NOT BE IDEAL. SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE AFTER GRADING OR SHALL BE SEED WITHIN 7 DAYS.
4. SOIL AMENDMENTS - APPLICATIONS OF TEMPORARY VEGETATION SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS. SOIL TESTS SHOULD BE TAKEN ON THE SITE TO PREDICT THE NEED FOR ME AND FERTILIZER. THE TYPE OF SEEDING AND SEEDING RATES SHALL BE AS FOLLOWS:

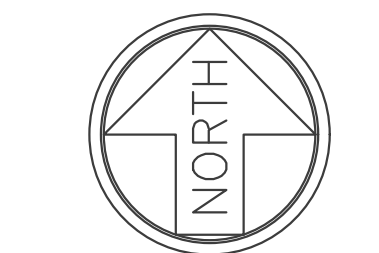
**EROSION CONTROL NOTES**

1. FORTY-EIGHT HOURS PRIOR TO ANY EARTH DISTURBING WORK, THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF WATER AT (937) 333-3333 (PIED BUROAU).
2. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN, CONSTRUCTION. SEDIMENT CONTROL PRACTICES SHALL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTING OF SILT OFF THE SITE. ALL RUNOFF RESULTING FROM CONSTRUCTION OPERATIONS MUST BE FILTERED BY APPROVED METHODS PRIOR TO DISCHARGING TO THE STORM SEWER SYSTEM.
3. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR AND REPAIRED ONCE A WEEK AND AFTER EVERY 1/2" OF RAIN. RECORDS OF SUCH INSPECTIONS SHALL BE KEPT AT THE JOB SITE AND BE AVAILABLE FOR IMMEDIATE REVIEW UPON REQUEST.
4. IN ADDITION TO ANY TEMPORARY EROSION, SEDIMENT, AND DEBRIS CONTROL DETAILS AND NOTES SHOWN ON THE PLANS, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT BASINS, EARTH DIKES, TEMPORARY OR PERMANENT SEEDING, MULCHING AND OR MULCH NETTING OR ANY OTHER GENERALLY ACCEPTED METHODS TO PREVENT EROSION, MUD AND DEBRIS FROM BEING DEPOSITED ON OTHER PROPERTY, ON NEWLY CONSTRUCTED OR EXISTING ROADS, OR INTO EXISTING SEWERS OR NEW SEWERS WITHIN THE DEVELOPMENT.
5. ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO FINAL GRADE AND ARE TO REMAIN SO SHALL BE SEED AND MULCHED AS SOON AS PRACTICAL. DISTURBED AREAS THAT LIE DORMANT FOR 1 DAYS OR MORE SHALL BE SEED OR PROTECTED WITHIN 7 CALENDAR DAYS OF THE DISTURBANCE. OTHER SEDIMENT CONTROLS THAT ARE INSTALLED SHALL BE MAINTAINED UNTIL VEGETATIVE GROWTH HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY SEDIMENT DEVICES AT THE CONCLUSION OF CONSTRUCTION BUT NOT BEFORE GROWTH OF PERMANENT GROUND COVER.
6. UNTIL IMPROVEMENTS IN THE DEVELOPMENT HAVE BEEN COMPLETED, THE CONTRACTOR SHALL TAKE SUCH MEASURES AS ARE NECESSARY TO PREVENT EROSION OF GRADED SURFACES ONTO ROADWAYS, INTO DRAINAGE COURSES, STORM SEWERS OR ONTO ADJACENT LAND. FOR ANY EARTH DISTURBANCE OR ANY DEVELOPMENT APPROVED BY THE DEPARTMENT OF WATER, THE CONTRACTOR SHALL CLEAN ANY MUD DEBRIS DEPOSITED ON ROADWAYS, DRAINAGE COURSES, OR ADJOINING PROPERTY WHEN THE MUD AND DEBRIS ORIGINATES FROM THE EARTH MOVING OPERATIONS.
7. ALL MUD/DIRT TRACKED ONTO ROADS FROM THE SITE, DUE TO CONSTRUCTION, SHALL BE PROMPTLY (WITHIN 24 HOURS) REMOVED.
8. FOR DEVELOPMENT SITES, EROSION CONTROL MEASURES SHALL BE ENFORCED ON INDIVIDUAL OR RESIDENTIAL LOTS. THIS SHALL INCLUDE A CONSTRUCTION ENTRANCE (AND REFER TO DETAIL - ER-8) AND SILT FENCE ACROSS THE FRONTAGE OF EACH PROPERTY AND A TEMPORARY DIVERSION DITCH ON EACH LOT.
9. THIS PROJECT IS SUBJECT TO INSPECTION BY THE DEPARTMENT OF WATER PERSONNEL FOR COMPLIANCE WITH THE CITY'S STORM WATER ORDINANCE DURING AND AFTER CONSTRUCTION. THIS INCLUDES BUT IS NOT LIMITED TO INSPECTION OF EROSION CONTROL FACILITIES, SURFACE DRAINAGE, AND DETENTION/PREVENTION FACILITIES. ADDITIONAL MEASURES MAY BE REQUIRED IF VIOLATIONS OF THE ORDINANCE OCCUR AND WATER DEPARTMENT PERSONNEL DEEM IT NECESSARY. ALL MEASURES SHALL COMPLY WITH CITY OF DAYTON STANDARDS AND "RAINWATER AND LAND DEVELOPMENT, OHIO'S STANDARD FOR STORM WATER MANAGEMENT, LAND DEVELOPMENT, AND URBAN STREAM PROTECTION", (LATEST EDITION).

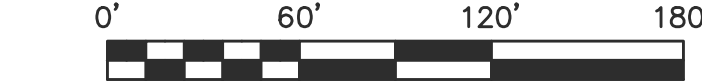


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**PLAN NORTH**



HORIZONTAL SCALE 1"=60'



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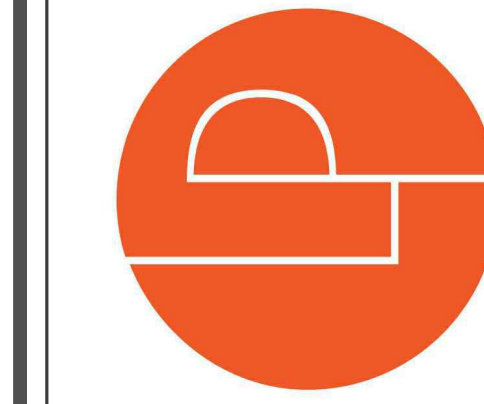
**BRUMBAUGH ENGINEERING & SURVEYING, LLC**  
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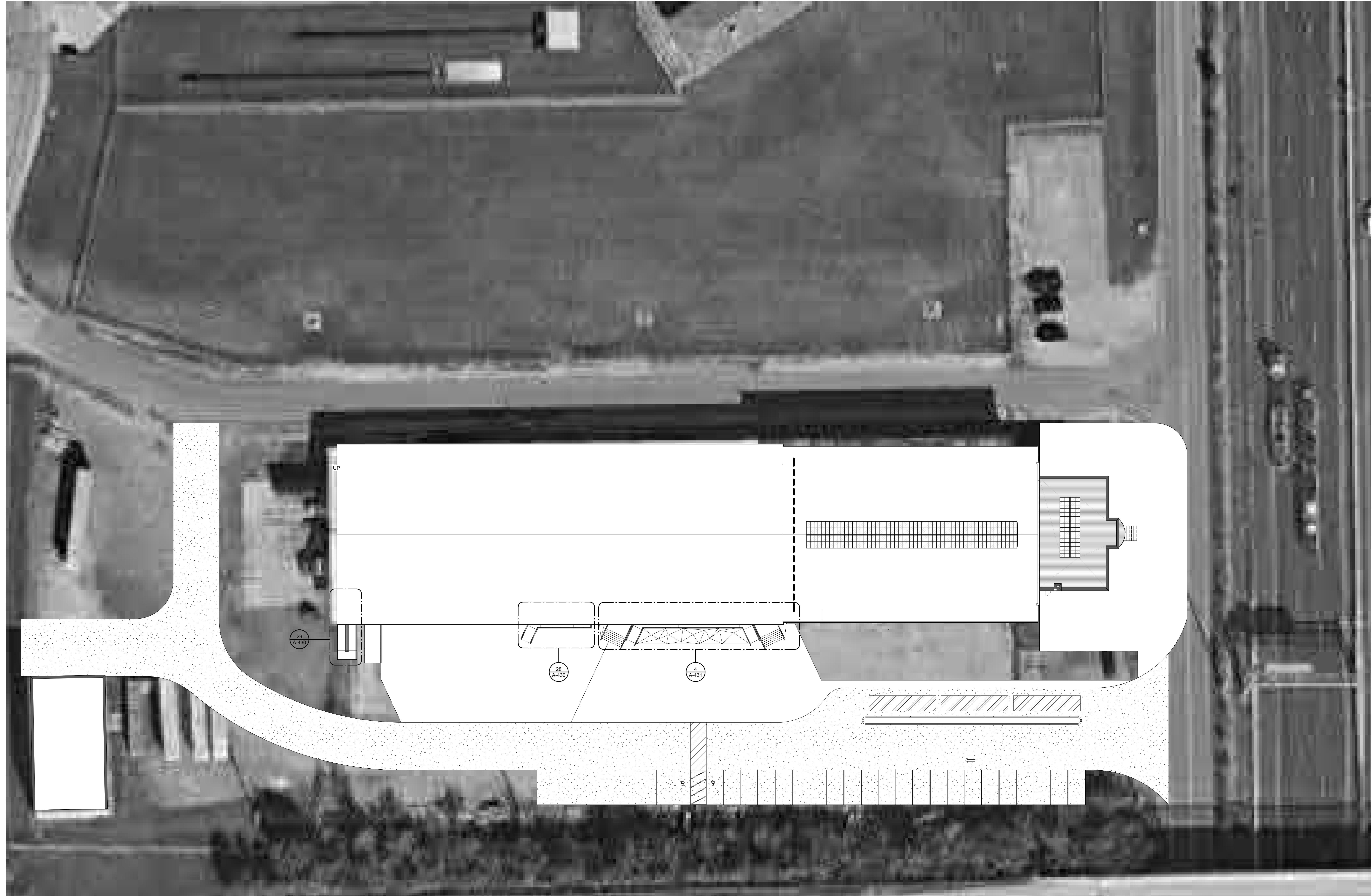
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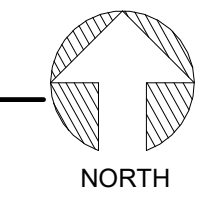


EROSION CONTROL PLAN  
**C6**

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**26 OVERALL SITE PLAN**  
SCALE | 1" = 20'-0"



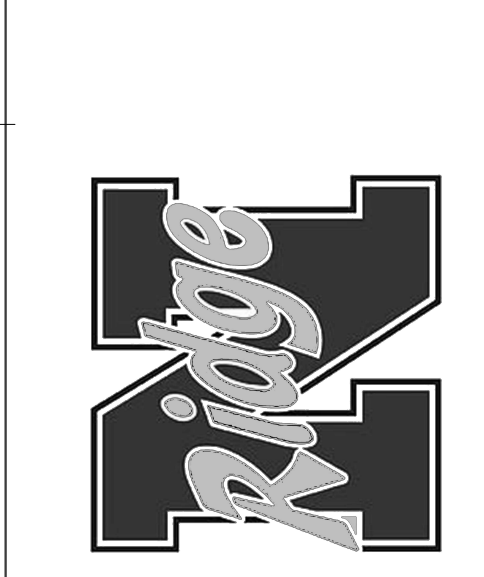
Mark C. Wiseman, License #13215  
Expiration Date 12/31/2021

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Number	Description	Date

CONSULTANTS

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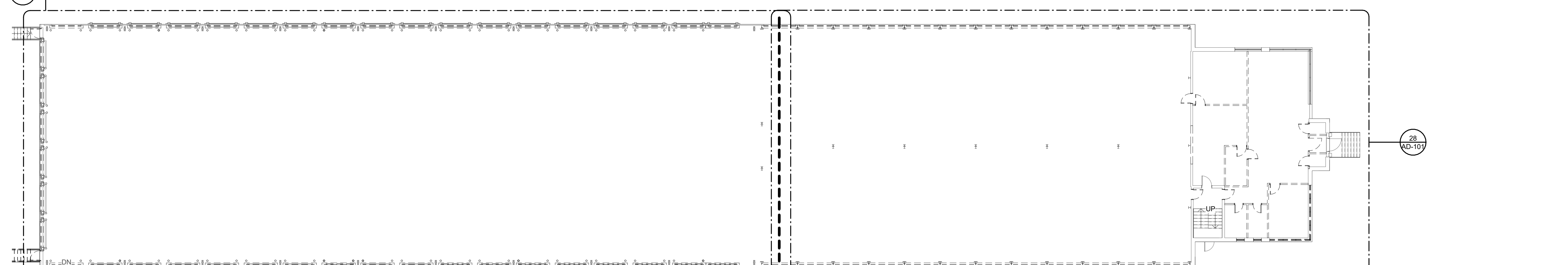
OVERALL SITE  
DEVELOPMENT

**AS-100**

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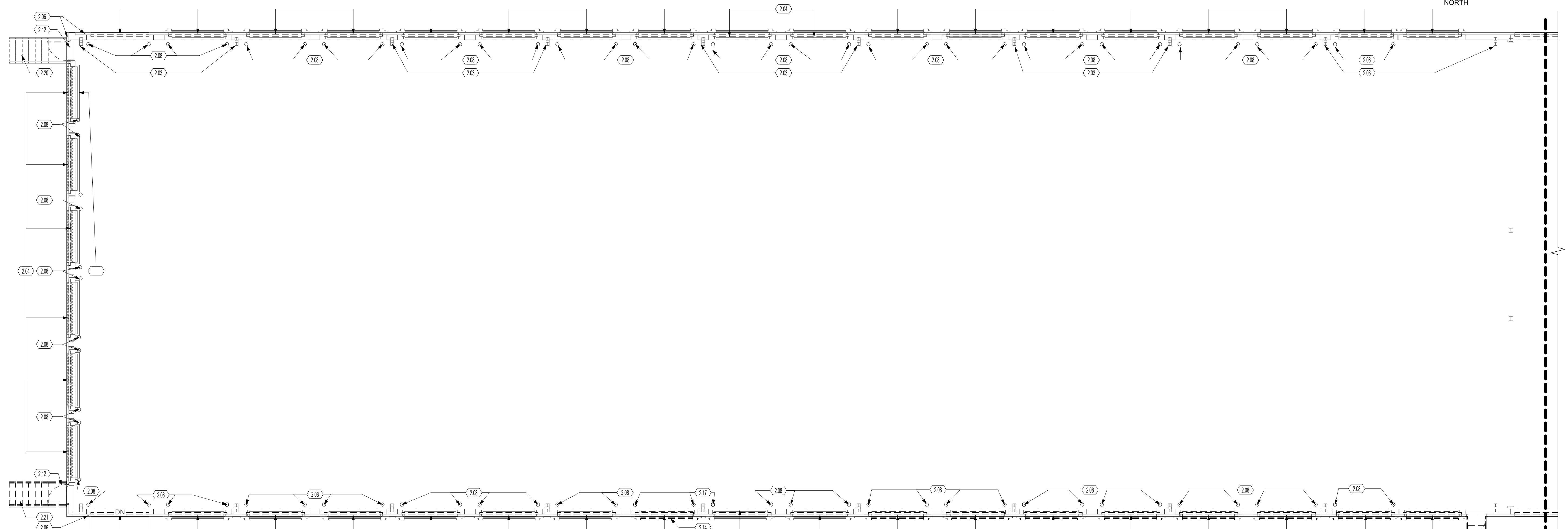
### 26 OVERALL FLOOR PLAN - DEMO

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



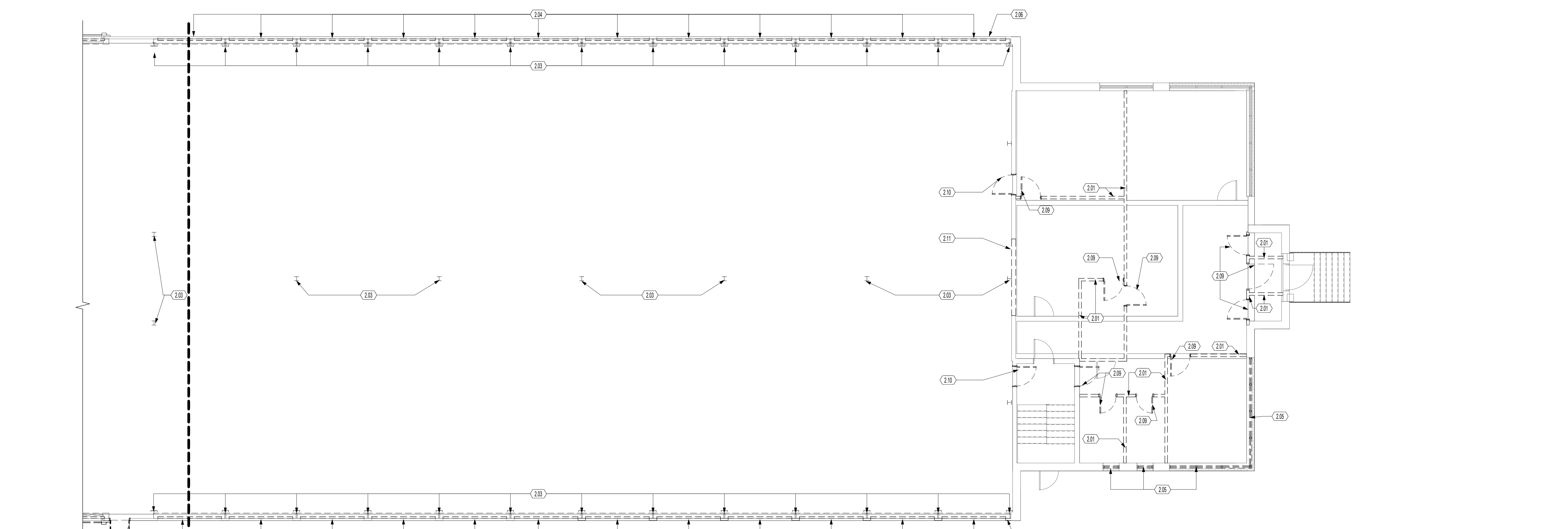
### 27 ENLARGED PLAN - A DEMO

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



### 28 ENLARGED PLAN - B DEMO

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



## GENERAL NOTES - DEMOLITION

- A. PROTECT EXISTING STRUCTURE, ADJACENT WINDOWS, DOORS AND OTHER BUILDING ELEMENT DURING DEMOLITION.
- B. CONTRACTOR TO MAINTAIN ACCESS TO EXITS DURING DEMOLITION AND CONSTRUCTION.
- C. INSTALL AND ADJUST DUST BARRIERS AND WALK OFF MATS AT ALL DOORWAYS ADJACENT TO MAIN CORRIDOR. COORDINATE THE LOCATION OF ALL TEMPORARY CONSTRUCTION BARRIERS OWNER, ARCHITECT AND / OR CONSTRUCTION MANAGER. ASSUME THAT ALL CONSTRUCTION AREAS WILL REQUIRE A BARRIER BETWEEN CONSTRUCTION AND OCCUPIED SPACES. CONTRACTOR RESPONSIBLE FOR MAINTAINING PROPER EXITS AND APPROVAL BY AUTHORITIES HAVING JURISDICTION FOR THESE BARRIERS.
- D. REMOVE EXISTING PARTITIONS SHOWN W/ DASHED LINES. PROVIDE NEW FINISHES AS SCHEDULED AT ALL AREAS OF REMOVAL AND REPAIRS. WALL, CEILING AND FLOOR FINISHES TO MATCH ADJACENT SURFACES.
- E. REMOVE ALL EXISTING DOORS AND HOLLOW METAL FRAME WHERE INDICATED WITH DASHED LINES.
- F. ALL EXISTING FIRE EXTINGUISHERS TO REMAIN IN PLACE UNLESS NOTED OTHERWISE.
- G. CONTRACTOR TO PROVIDE DURABLE TEMPORARY DIRECTION SIGNS TO EXITS AND OPERABLE RESTROOMS DURING CONSTRUCTION PERIOD.
- H. PATCH/REPAIR SURFACES AS REQUIRED FOR NEW FINISH AS SCHEDULED. INCLUDING AREAS THAT WERE PREVIOUSLY OUT OF VIEW THAT ARE EXPOSED BY THIS PROJECT. MATCH EXISTING FINISHES U.N.O. THIS INCLUDES WORK BY ALL TRADES.
- I. REMOVE ALL ROOM SIGNS RELATED TO THE AREA BEING RENOVATED. PREPARE FOR NEW SIGN INSTALLATION. COORDINATE FINAL LOCATIONS AND BLOCKING REQUIREMENTS WITH THE OWNER, ARCHITECT AND / OR CONSTRUCTION MANAGER.
- J. DURING DEMOLITION AND CONSTRUCTION, LOCATE AND MAINTAIN SMOKE DETECTION DEVICES, FIRE ALARM DEVICES, FIRE EXTINGUISHERS, ILLUMINATION AND LIFE SAFETY SYSTEMS AS WOULD OTHERWISE BE REQUIRED IN AN OCCUPIED SPACE. PROTECT DETECTION DEVICES FROM ACCIDENTAL ACTIVATION DURING CONSTRUCTION BY GLOVE BAG OR OTHER APPROVED METHOD. REMOVE PROTECTION AT THE END OF WORK DAY OR SHIFT IF CONSTRUCTION AREA IS LEFT UNOCCUPIED.
- K. COORDINATE SPECIFIC EGRESS REQUIREMENTS WITH THE OWNERS REPRESENTATIVE AND THE FIRE OFFICIALS PRIOR TO COMMENCING WORK.

## KEYNOTES

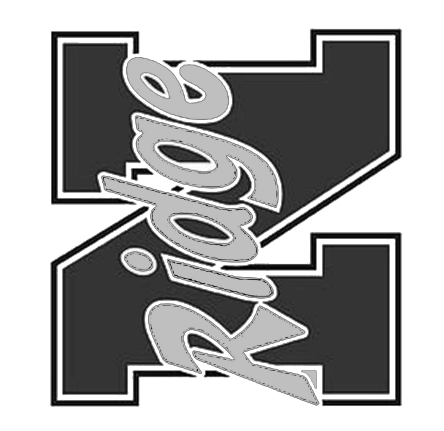
- 2.01 REMOVE WALL/PARTITION IN ITS ENTIRETY.
- 2.03 PREPARE EXISTING STRUCTURE AS REQUIRED FOR NEW PAINT AS SCHEDULED
- 2.04 DEMOLISH EXISTING OH DOOR AND ASSOCIATED EQUIPMENT - PREPARE WALL FOR INFILL AS REQUIRED
- 2.05 DEMOLISH EXISTING WINDOW - INFILL WITH CONSTRUCTION TO MATCH EXISTING
- 2.06 EXISTING SIDING TO REMAIN, PREPARE SURFACE FOR NEW PAINT FINISH AS SCHEDULED
- 2.08 EXISTING BOLLARD TO REMAIN - CLEAN AND PREP FOR NEW PAINT, TYP. UK
- 2.09 REMOVE EXISTING DOOR, FRAME AND HARDWARE. TYPICAL
- 2.10 REMOVE EXISTING DOOR AND HARDWARE. INFILL WALL AS REQUIRED
- 2.11 DEMOLISH PORTION OF EXISTING WALL AS REQUIRED FOR OPENING - COORDINATE WITH OPENING REQUIREMENTS
- 2.12 DEMOLISH EXISTING DOOR AND FRAME, PREPARE FOR NEW DOOR AND FRAME IN EXISTING OPENING
- 2.14 REMOVE EXISTING DOCK LEVELER IN ITS ENTIRETY, REPAIR CONCRETE AS REQUIRED
- 2.17 REMOVE EXISTING BOLLARD IN ITS ENTIRETY
- 2.20 EXISTING STAIR TO REMAIN, PREPARE FOR NEW PAINT FINISH
- 2.21 DEMOLISH EXISTING STAIR IN ITS ENTIRETY



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1ST FLOOR PLAN - DEMO

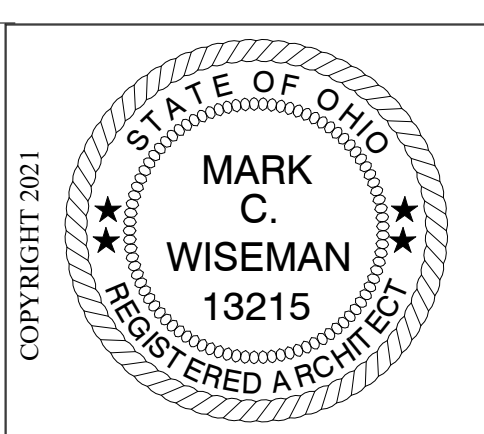
# AD-101

**GENERAL NOTES - DEMOLITION**

- A. PROTECT EXISTING STRUCTURE, ADJACENT WINDOWS, DOORS AND OTHER BUILDING ELEMENT DURING DEMOLITION.
- B. CONTRACTOR TO MAINTAIN ACCESS TO EXITS DURING DEMOLITION AND CONSTRUCTION.
- C. INSTALL AND ADJUST DUST BARRIERS AND WALK OFF MATS AT ALL DOORWAYS ADJACENT TO MAIN CORRIDOR. COORDINATE THE LOCATION OF ALL TEMPORARY CONSTRUCTION BARRIERS OWNER, ARCHITECT AND / OR CONSTRUCTION MANAGER. ASSUME THAT ALL CONSTRUCTION AREAS WILL REQUIRE A BARRIER BETWEEN CONSTRUCTION AND OCCUPIED SPACES. CONTRACTOR RESPONSIBLE FOR MAINTAINING PROPER EXISTIS AND APPROVAL BY AUTHORITIES HAVING JURISDICTION FOR THESE BARRIERS.
- D. REMOVE EXISTING PARTITIONS SHOWN W/ DASHED LINES. PROVIDE NEW FINISHES AS SCHEDULED AT ALL AREAS OF REMOVAL AND REPAIRS. WALL, CEILING AND FLOOR FINISHES TO MATCH ADJACENT SURFACES.
- E. REMOVE ALL EXISTING DOORS AND HOLLOW METAL FRAME WHERE INDICATED WITH DASHED LINES.
- F. ALL EXISTING FIRE EXTINGUISHERS TO REMAIN IN PLACE UNLESS NOTED OTHERWISE.
- G. CONTRACTOR TO PROVIDE DURABLE TEMPORARY DIRECTION SIGNS TO EXITS AND OPERABLE RESTROOMS DURING CONSTRUCTION PERIOD.
- H. PATCH/REPAIR SURFACES AS REQUIRED FOR NEW FINISH AS SCHEDULED, INCLUDING AREAS THAT WERE PREVIOUSLY OUT OF VIEW THAT ARE EXPOSED BY THIS PROJECT. MATCH EXISTING FINISHES U.N.O. THIS INCLUDES WORK BY ALL TRADES.
- I. REMOVE ALL ROOM SIGNS RELATED TO THE AREA BEING RENOVATED. PREPARE FOR NEW SIGN INSTALLATION. COORDINATE FINAL LOCATIONS AND BLOCKING REQUIREMENTS WITH THE OWNER, ARCHITECT AND / OR CONSTRUCTION MANAGER.
- J. DURING DEMOLITION AND CONSTRUCTION, LOCATE AND MAINTAIN SMOKE DETECTION DEVICES, FIRE ALARM DEVICES, FIRE EXTINGUISHERS, ILLUMINATION AND LIFE SAFETY SYSTEMS AS WOULD OTHERWISE BE REQUIRED IN AN OCCUPIED SPACE. PROTECT DETECTION DEVICES FROM ACCIDENTAL ACTIVATION DURING CONSTRUCTION BY GLOVE BAG OR OTHER APPROVED METHOD. REMOVE PROTECTION AT THE END OF WORK DAY OR SHIFT IF CONSTRUCTION AREA IS LEFT UNOCCUPIED.
- K. COORDINATE SPECIFIC EGRESS REQUIREMENTS WITH THE OWNERS REPRESENTATIVE AND THE FIRE OFFICIALS PRIOR TO COMMENCING WORK.

**KEYNOTES**

- 2.04 DEMOLISH EXISTING OH DOOR AND ASSOCIATED EQUIPMENT - PREPARE WALL FOR INFILL AS REQUIRED
- 2.05 DEMOLISH EXISTING WINDOW - INFILL WITH CONSTRUCTION TO MATCH EXISTING
- 2.06 EXISTING SIDING TO REMAIN, PREPARE SURFACE FOR NEW PAINT FINISH AS SCHEDULED
- 2.07 EXISTING BRICK TO REMAIN, TUCKPOINT AND PREP TO RECEIVE PAINT AS SCHEDULED
- 2.10 REMOVE EXISTING DOOR AND HARDWARE. INFILL WALL AS REQUIRED
- 2.12 DEMOLISH EXISTING DOOR AND FRAME. PREPARE FOR NEW DOOR AND FRAME IN EXISTING OPENING
- 2.13 EXISTING CANOPY TO REMAIN, PREP FOR NEW PAINT AS SCHEDULED
- 2.14 REMOVE EXISTING DOCK LEVELER IN ITS ENTIRETY, REPAIR CONCRETE AS REQUIRED
- 2.16 EXISTING SKYLIGHT TO REMAIN, PREP AS REQUIRED FOR REGLAZING
- 2.20 EXISTING STAIR TO REMAIN, PREPARE FOR NEW PAINT FINISH
- 2.21 DEMOLISH EXISTING STAIR IN ITS ENTIRETY
- 2.22 REMOVE EXISTING ROOF SYSTEM AND INSULATION AS REQUIRED FOR NEW ROOF



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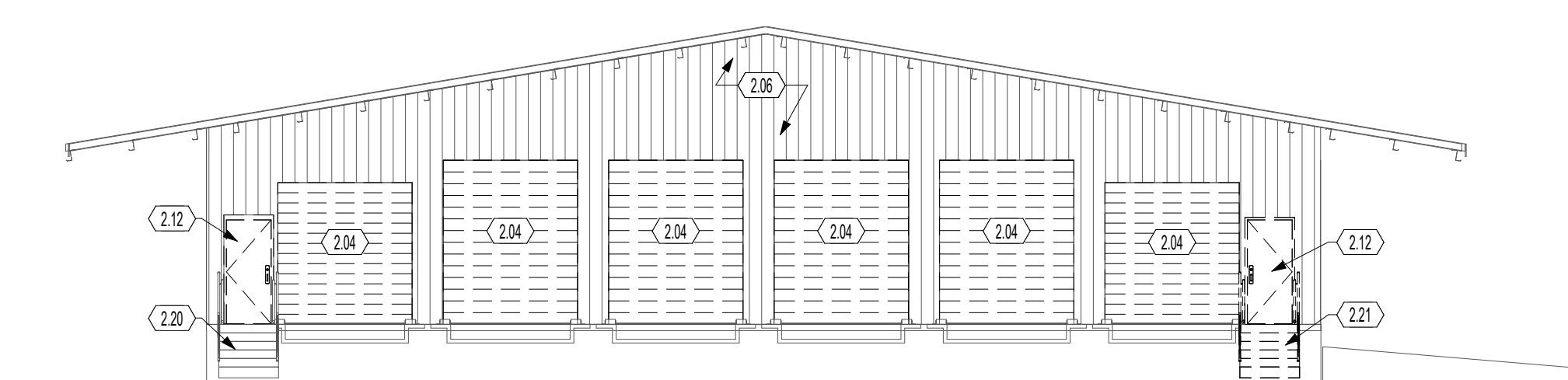
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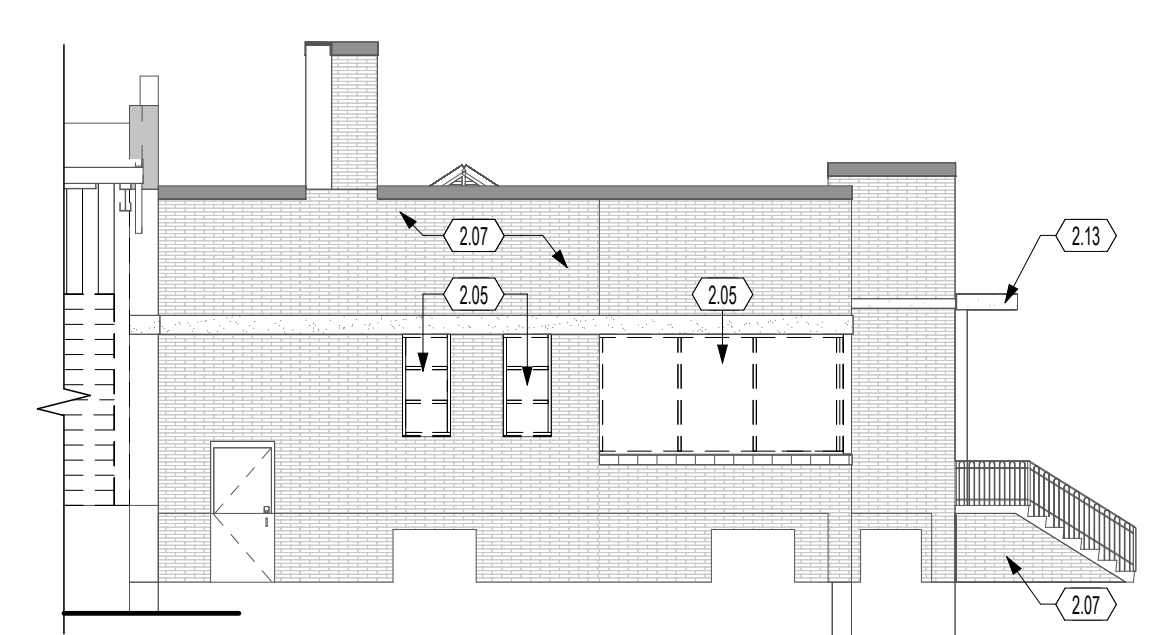


EXTERIOR ELEVATION - DEMO

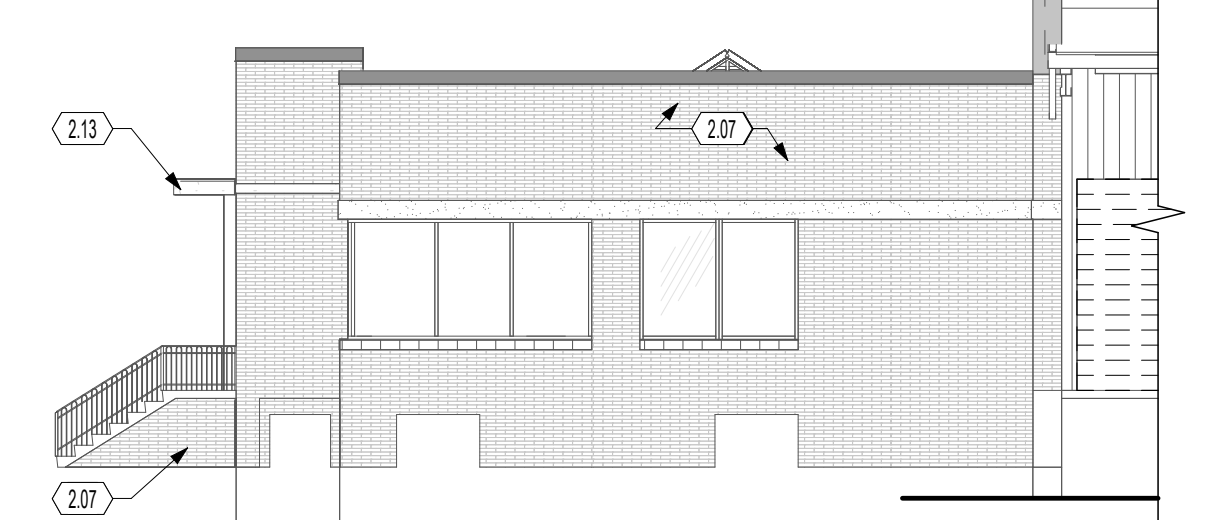
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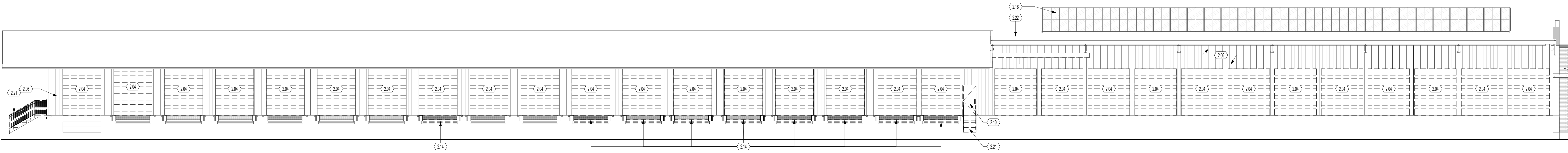
**28 WEST ELEVATION - DEMO**  
SCALE | 1" = 10'-0"



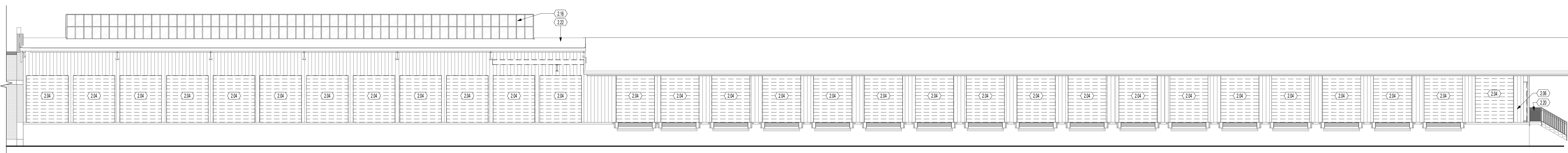
**18 SOUTH ELEVATION - BRICK DEMO**  
SCALE | 1" = 10'-0"



**13 NORTH ELEVATION - BRICK DEMO**  
SCALE | 1" = 10'-0"



**27 SOUTH ELEVATION - DEMO**  
SCALE | 1" = 10'-0"



**26 NORTH ELEVATION - DEMO**  
SCALE | 1" = 10'-0"

**GENERAL PLAN NOTES**

- A. SEE SHEET G-002 FOR TYPICAL MOUNTING HEIGHTS.
- B. ALL TWO-SIDED NEW INTERIOR PARTITIONS ARE A-1 UNLESS NOTED OTHERWISE.
- C. COORDINATE FINAL PLACEMENT OF ALL WALL MOUNTED EQUIPMENT WITH SIGNAGE.
- D. PRIOR TO GYPSUM BOARD INSTALLATION AND ELECTRICAL ROUGH-IN INSPECTION, GENERAL CONTRACTORS, ELECTRICAL DATA CONTRACTORS, ARCHITECT, AND CONSTRUCTION MANAGER SHALL REVIEW IN-PLACE LOCATIONS OF ALL SWITCH BOXES, RECEPTACLE BOXES, FIRE ALARM BOXES, ETC. FINAL LOCATIONS MAY BE ADJUSTED AT THIS TIME TO ALIGN OR COORDINATE WITH DESIGN INTENT.
- E. ALL WALLS ARE FULL HEIGHT TO DECK ABOVE, UNLESS NOTED OTHERWISE.
- F. CG = CORNERGUARD MOUNTED DIRECTLY ABOVE THE BASE. CORNER GUARDS TO BE INSTALLED WHERE NOTED.
- G. CONTRACTOR TO PROVIDE FIRE RETARDANT WOOD BLOCKING BACK-UP IN ALL STUD WALL ASSEMBLIES AS REQUIRED FOR MOUNTING OF ALL WALL HUNG ACCESSORIES, HUNG FIXTURES, VISUAL DISPLAYS, ETC. COORDINATE WITH OWNER PROVIDED EQUIPMENT AND LOCATIONS.
- H. FOR FURNITURE LAYOUT, SEE FURNITURE PLAN.
- I. FOR WINDOW ELEVATIONS, SEE GLAZING SHEET.

**KEYNOTES**

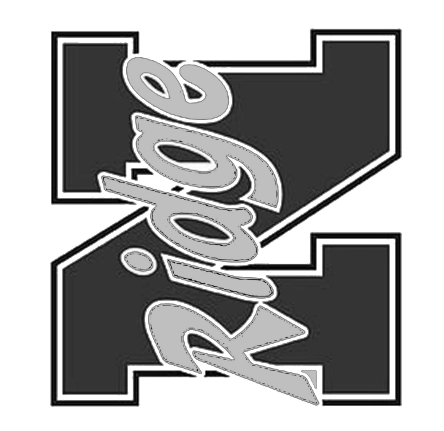
- 4.07 INFILL EXISTING WINDOWS TO MATCH ADJACENT CONSTRUCTION STUDENT CUBBIES, SEE CASEWORK DETAILS
- 6.02 SOLID SURFACE COUNTERTOP [SS-1]
- 6.08 PLASTIC LAMINATE CABINETS, PROVIDE IN WALL BLOCKING AS REQUIRED - SEE ELEVATIONS AND DETAILS
- 8.01 SLIDING TRANSACTION WINDOW
- 8.20 LINE OF SKYLIGHT ABOVE
- 9.11 PAINT EXISTING STAIR, RAILING AND ASSOCIATED PIECES [PNT-7]
- 10.04 MARKERBOARD/TACKBOARD COMBO - PROVIDE BLOCKING AS REQUIRED
- 10.05 4'-0" X 8'-0" MARKERBOARD - PROVIDE BLOCKING AS REQUIRED
- 10.07 PAPER TOWEL (FOLDED) DISPENSER
- 10.11 EXISTING BOLLARD TO REMAIN TYP., PREP TO RECEIVE PAINT AS SCHEDULED
- 10.13 LIQUID SOAP DISPENSER PROVIDE BLOCKING AS REQUIRED
- 10.22 TRAINING HEAD WALL
- 10.27 LOCKER WITH PADLOCK HASP
- 10.28 CEILING MOUNTED MEDICAL CURTAIN
- 10.32 FIRE EXTINGUISHER SEMI RECESSED CABINET
- 11.01 REFRIGERATOR BY OTHERS. SEE ELECTRICAL AND PLUMBING DRAWINGS FOR OTHER REQUIREMENTS
- 11.02 PRINTER BY OTHERS. SEE ELECTRICAL AND PLUMBING DRAWINGS FOR OTHER REQUIREMENTS
- 11.05 SELF CONTAINED WELDING BOOTH - CONTRACTOR PROVIDED CONTRACTOR INSTALLED
- 11.07 CEILING MOUNTED PROJECTOR SCREEN - COORDINATE PME REQUIREMENTS
- 22.01 SINK FIXTURE. SEE PLUMBING DRAWINGS (INSULATE PIPING BELOW)
- 22.06 FLOOR MOUNTED MOP SINK WITH 22 GA STAINLESS STEEL SPLASH GUARD WITH HEMMED EDGES BACK AND SIDE WALLS - MOUNT PRIOR TO PLUMBING TRIM - SEE PLUMBING DRAWINGS
- 22.07 ADA HEIGHT DRINKING FOUNTAIN. SEE PLUMBING DRAWINGS
- 22.08 H-LOW DRINKING FOUNTAIN WITH BOTTLE FILLERS PER ADA GUIDELINES. SEE PLUMBING DRAWINGS

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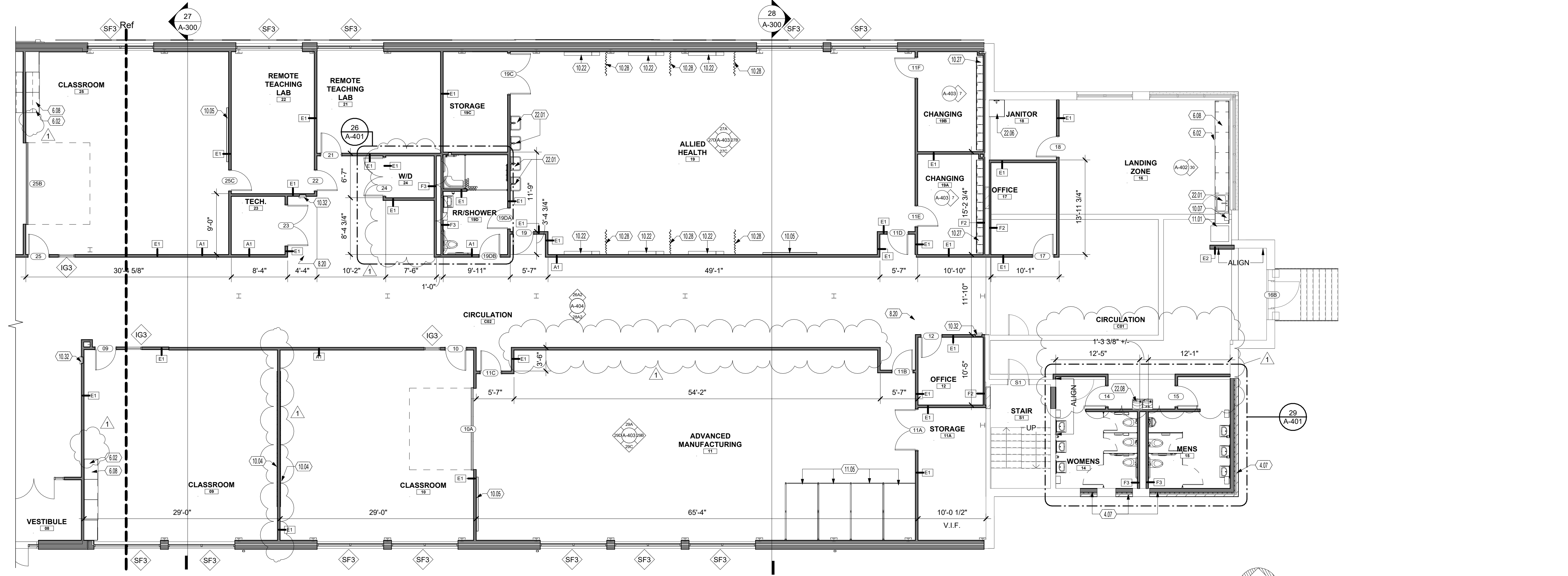
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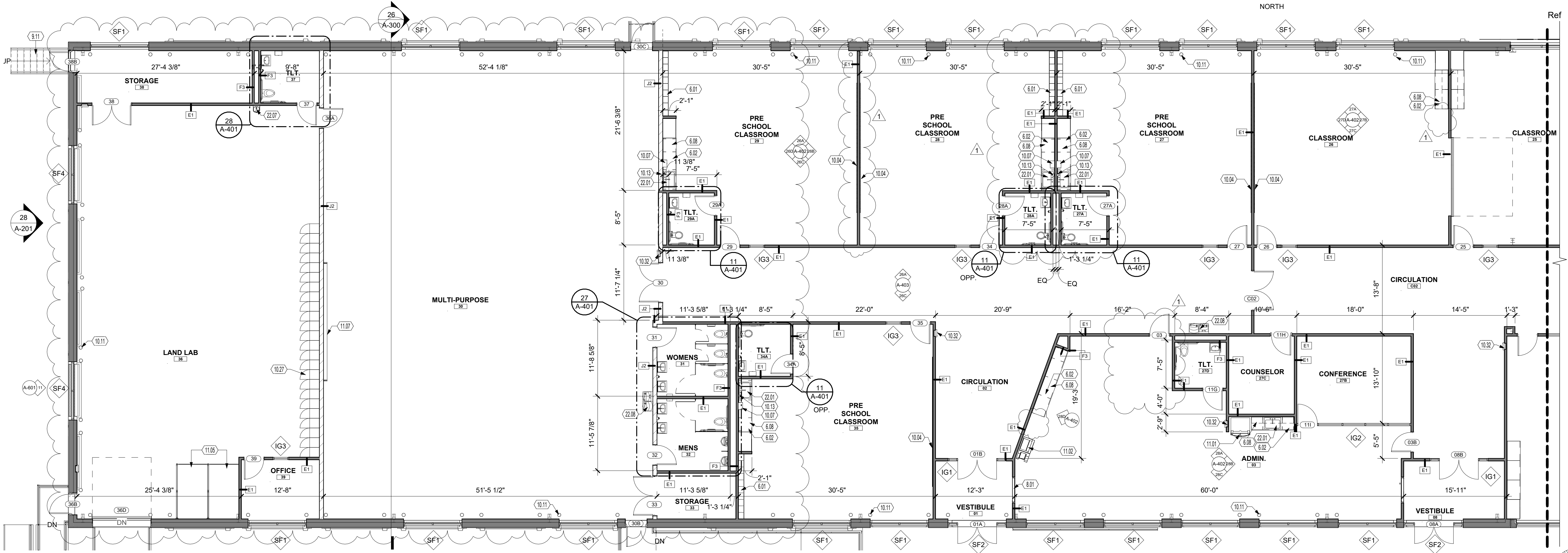


1ST FLOOR PLAN

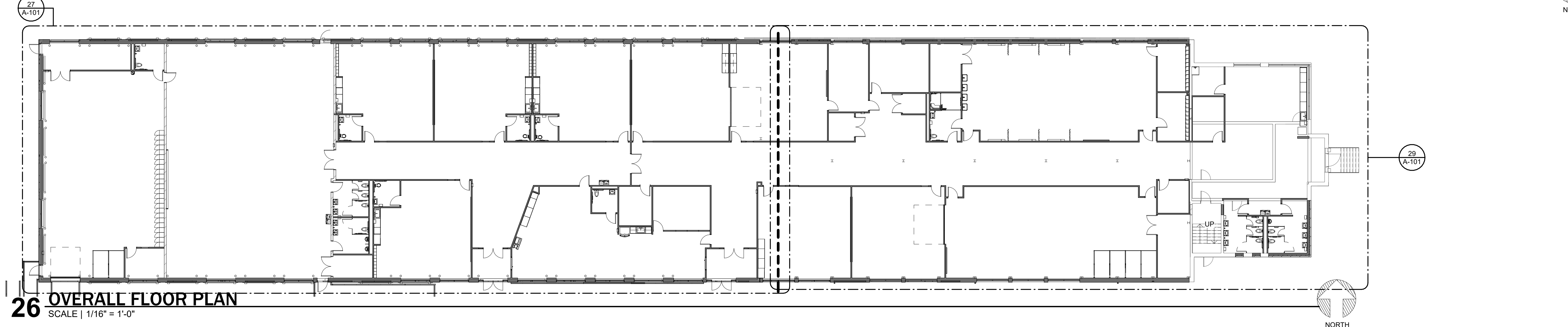
**A-101**



**29 ENLARGED PLAN - B**  
 SCALE | 1/8" = 1'-0"



**27 ENLARGED PLAN - A**  
 SCALE | 1/8" = 1'-0"

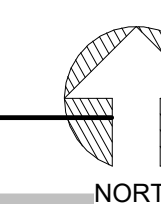
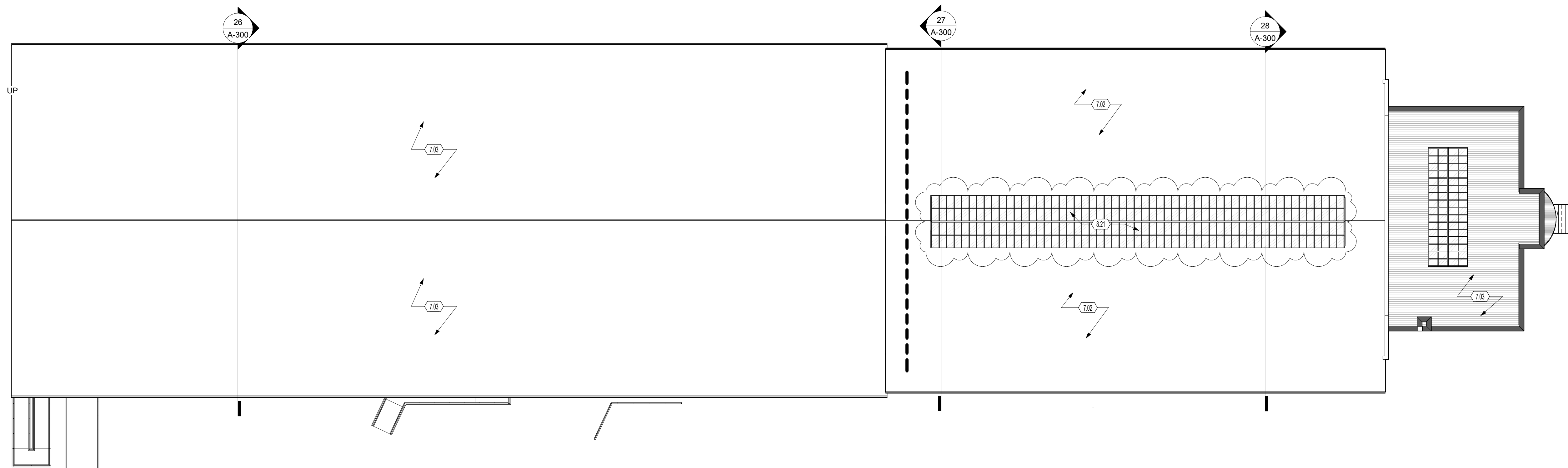


**26 OVERALL FLOOR PLAN**  
 SCALE | 1/16" = 1'-0"

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# 26 OVERALL ROOF PLAN

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

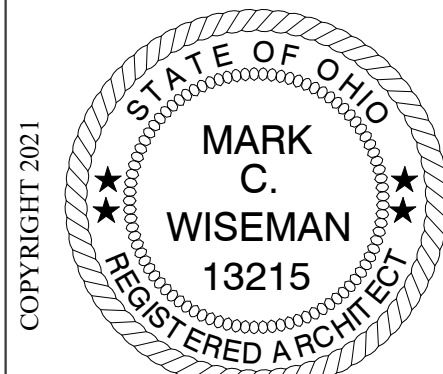


## GENERAL NOTES

- A. REFER TO PME DRAWINGS FOR ROOF MOUNTED EQUIPMENT.
- B. COORDINATE RIDGE AND VALLEYS WITH STRUCTURAL DRAWINGS. MAINTAIN MINIMUM 1/4" PER FOOT SLOPE.
- C. COORDINATE ROOF PENETRATIONS WITH PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS.
- D. ALL FLASHING BOOTS AND OTHER ROOFING ACCESSORIES REQUIRED FOR PENETRATION SHALL BE PROVIDED BY THE ROOFING CONTRACTOR.

## KEYNOTES

- 7.02 NEW TPO ROOFING. TWO LAYERS OF 2.1" POLYISOCYANURATE ROOF INSULATION (MINIMUM R VALUE OF 25), 6 MIL VAPOR ON EXISTING 1 1/2" METAL DECK
- 7.03 EXISTING ROOFING TO REMAIN - PATCH AND REPAIR AS NEEDED FOR LIKE NEW CONDITION
- 8.21 EXISTING SKYLIGHT TO REMAIN - REPLACE ANY DAMAGED GLAZING AND SEALS AS REQUIRED TO PROVIDE WATERTIGHT CONDITION



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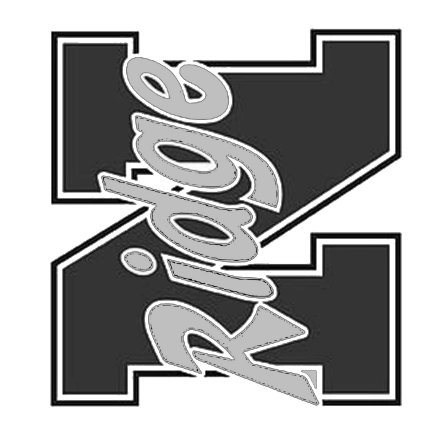
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ROOF PLAN  
**A-104**





FINISH MATERIAL SCHEDULE					
KEY NAME	DESCRIPTION	BASIS OF DESIGN	MODEL NAME / COLOR / MODEL NUMBER	SIZE	COMMENTS
BASE					
CTB-1	CERAMIC TILE BASE	DALTILE	UNITY - GRIGIO UNPOLISHED - P402 - COVE BASE	6" X 12"	
RB-1	RUBBER BASE	ROPPE	BLACK BROWN 193	4"	
CASEWORK					
PL-1	PLASTIC LAMINATE	WILSONART	KENSINGTON MAPLE 10776-60	-	
SS-1	SOLID SURFACE	CORIAN	ELEGANT GRAY	-	COUNTERTOP
CEILING					
ACT-1	ACOUSTICAL CEILING TILE	ARMSTRONG	OPTIMA	24" X 24"	
EXP-1	EXPOSED CEILING		PAINTED PNT-6 AND PNT-7		ALL EXPOSED DECKING, CONDUIT, PIPING, DUCTWORK, ETC. OPEN TO BELOW TO BE FINISHED AND PAINTED (PNT-7), EXPOSED STRUCTURE TO BE FINISHED AND PAINTED PNT-7
GYP-1	GYP SUM CEILING, PAINTED	ARMSTRONG	SW7006 EXTRA WHITE		PAINT PNT-6
EXTERIOR					
CL-1	STOREFRONT	TUBLITE	T14000 - BLACK	2" X 4 1/2"	
MP-1	METAL SIDING PANEL	DIMENSIONAL METALS INC.	R PANEL WPRP - CHARCOAL GREY		RUN VERTICAL
MP-2	METAL SIDING PANEL	EXISTING	PAINTED TO MATCH DMI CHARCOAL GREY		MATCH PATTERN
FLOORING					
CO-1	SEALED CONCRETE	-			
CPT-1	CARPET TILE	SHAW	LIGHT SERIES: ABSORBED TILE 5T003 - BEAM 01557	24" X 24"	FIELD TILE - BRICK PATTERN
CPT-2	CARPET TILE	SHAW	LIGHT SERIES: VISIBLE TILE 5T002 - BEAM 01557	24" X 24"	ACCENT - BRICK PATTERN
CPT-3	CARPET TILE	SHAW	LIGHT SERIES: VIBRANT TILE 5T001 - BEAM 01557	24" X 24"	CLASSROOM ACCENT
CPT-4	CARPET TILE	SHAW	ALTERED: ANALOG TILE 5T108 - SCAN 26595	18" X 36"	PRESCHOOL FIELD GREEN/BLUE
CPT-5	CARPET TILE	SHAW	ALTERED: MANIPULATE TILE 5T130 - SCAN 26595	9" X 36"	PRESCHOOL ACCENT GREEN
CPT-6	CARPET TILE	SHAW	ALTERED: MANIPULATE TILE 5T130 - INTERRUPT 26505	9" X 36"	PRESCHOOL ACCENT BLUE
CPT-7	CARPET TILE	SHAW	ALTERED: ANALOG TILE 5T126 - FILTER 26500	18" X 36"	PRESCHOOL FIELD PURPLE
CPT-8	CARPET TILE	SHAW	ALTERED: MANIPULATE TILE 5T130 - FILTER 26500	9" X 36"	PRESCHOOL ACCENT PURPLE
CPT-9	CARPET TILE	SHAW	ALL ACCESS: SWIFT TILE 5T414 - TROT 14500	24" X 24"	WALKOFF MAT
CPT-10	CARPET TILE	SHAW	ALTERED: MANIPULATE TILE 5T130 - INTERRUPT 26505	9" X 36"	PRESCHOOL ACCENT BLUE
CT-1	RESTROOM FLOOR	DALTILE	UNITY - GRIGIO UNPOLISHED - P402	12" X 12"	COORDINATING COVE BASE
LVT-1	LUXURY VINYL TILE	SHAW	SOLITUDE 0648V - MINK 48720	6" X 48"	STAGGER
VCT-1	ALLIED HEALTH FLOORING	TARKETT	AZTERRA: GRAY ROCK WG - AT104	12" X 12"	QUARTER TURN
MISC					
CLR-1	STOREFRONT	KAWNEER	CLEAR ANODIZED		
ST-1	DOOR STAIN	VT INDUSTRIES	CLEAR - CL18 ON SELECT WHITE MAPLE		ALL WOOD DOORS
TP-1	TOILET PARTITIONS	HINEY HIDERS	SOLID PLASTIC - CHARCOAL GRAY		
WALLS					
BV-1	BRICK VENEER	BELDEN	JUMBO - ALMO BLEND	3/4"	THIN BRICK VENEER
PNT-1	FIELD COLOR	SHERWIN WILLIAMS	SW 7036 - ACCESSIBLE BEIGE	-	FIELD COLOR
PNT-2	ACCENT COLOR 1	SHERWIN WILLIAMS	SW 6871 - POSITIVE RED	-	ACCENT RED
PNT-3	ACCENT COLOR 2	SHERWIN WILLIAMS	SW 6959 - BLUE CHIP	-	PRESCHOOL BLUE
PNT-4	ACCENT COLOR 3	SHERWIN WILLIAMS	SW 6991 - BLACK MAGIC	-	ACCENT BLACK
PNT-5	ACCENT COLOR 4	SHERWIN WILLIAMS	SW 6824 - FORGET-ME-NOT	-	PRESCHOOL PURPLE
PNT-6	ACCENT COLOR 5	SHERWIN WILLIAMS	SW 6270 - PARADISE	-	PRESCHOOL GREEN
PNT-7	ACCENT COLOR 6	SHERWIN WILLIAMS	SW 7068 - GRIZZLE GRAY	-	DOOR FRAMES
PNT-8	CEILING PAINT	SHERWIN WILLIAMS	SW7006 EXTRA WHITE	-	EXPOSED CEILINGS



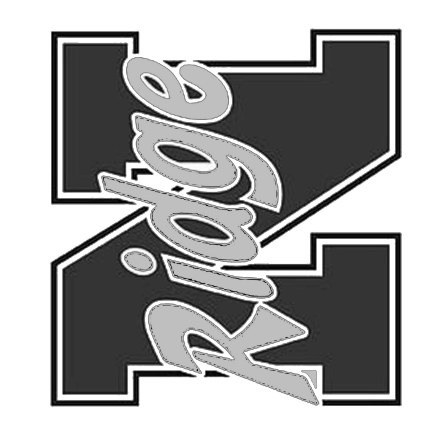
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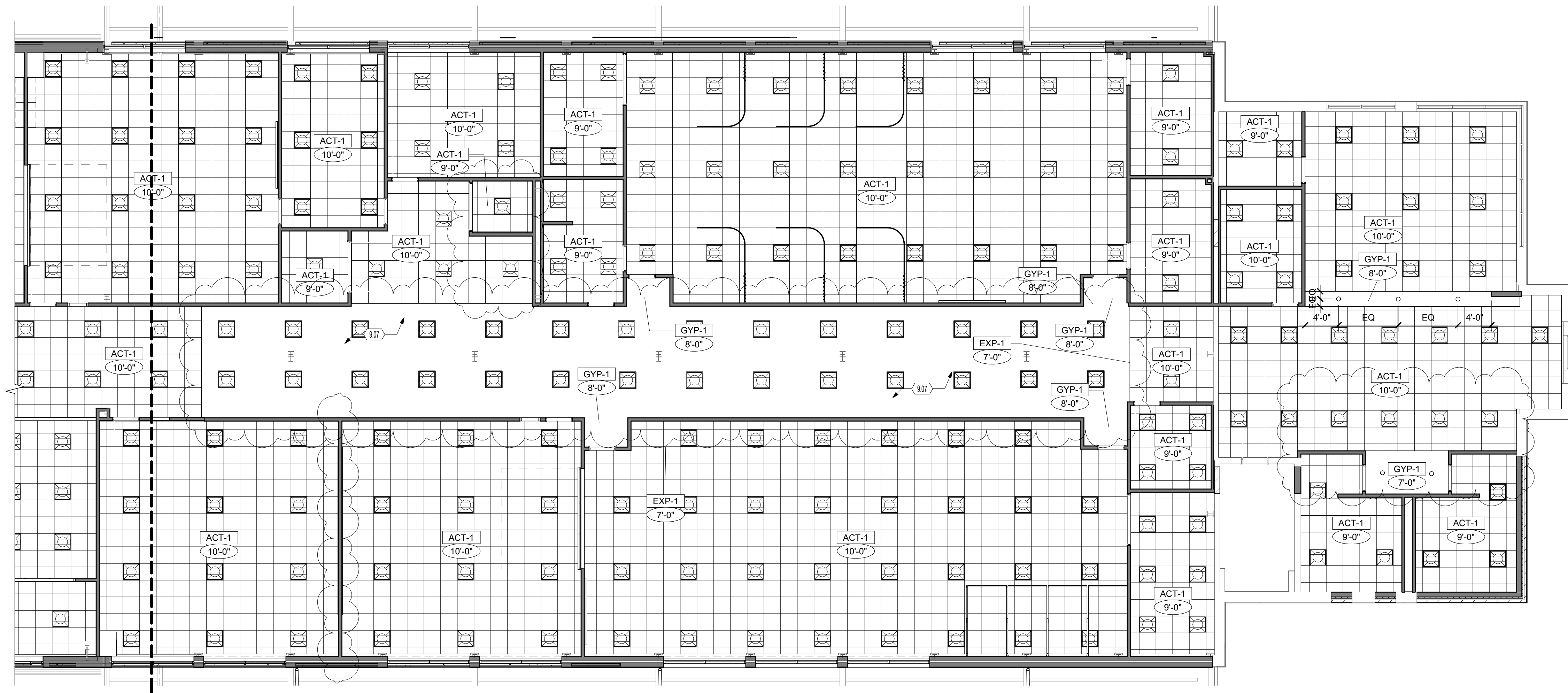
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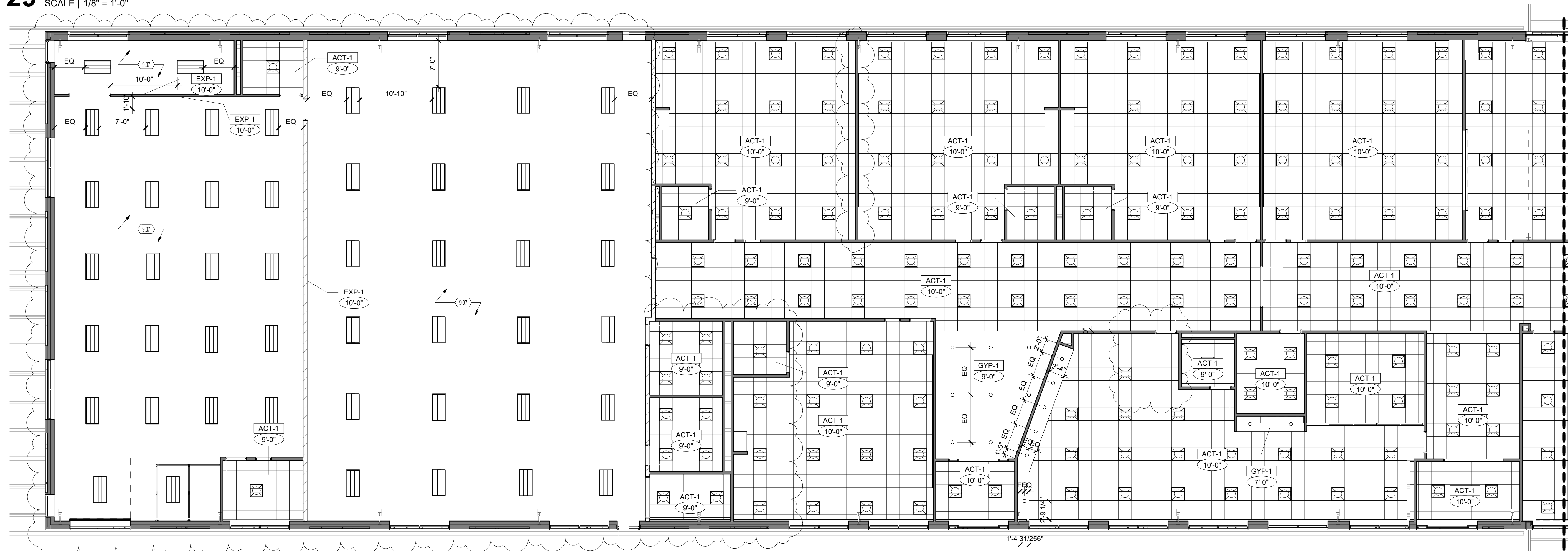


FLOOR FINISH  
SCHEDULE

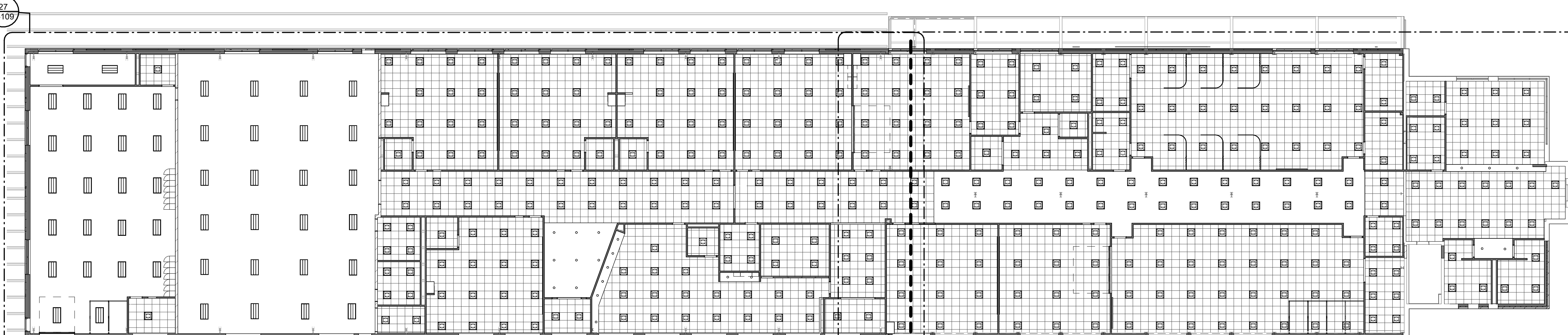
**A-108**



**29 REFLECTED CEILING PLAN - B**  
SCALE | 1/8" = 1'-0"



**27 REFLECTED CEILING PLAN - A**  
SCALE | 1/8" = 1'-0"



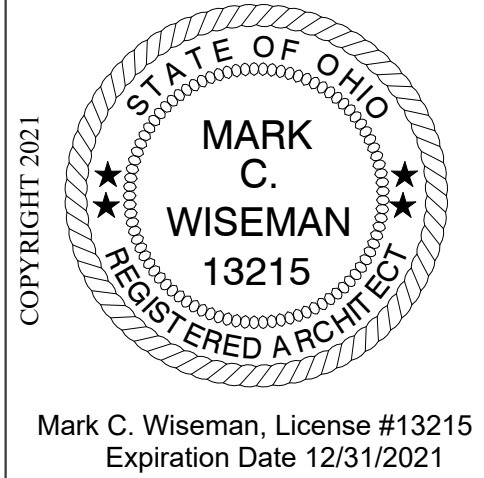
**26 OVERALL REFLECTED CEILING PLAN**  
SCALE | 1/16" = 1'-0"

**GENERAL NOTES - CEILING**

- A. EXTEND ALL FRAMING TO STRUCTURE U.N.O.
- B. PROVIDE ACOUSTICAL SEALANT AT ALL SOFFIT LOCATIONS THAT EXTEND TO DECK.
- C. SEE G-002 FOR PROJECT GENERAL REQUIREMENTS AND CEILING LEGEND.
- D. ALL CEILING TILE TO BE CENTERED IN ROOM AND AT LEAST 6" OR GRATER IN SIZE UNLESS NOTED OTHERWISE.
- E. REFER TO ADDITIONAL TRADES FOR ITEMS NOT SHOWN ON THESE DRAWINGS.
- F. ALL PLASTER AND GYP. CEILINGS TO BE FINISHED AND PAINTED U.N.O.

**KEYNOTES**

- 9.07 PAINT ALL EXPOSED STRUCTURE, PIPING, DUCTWORK, ETC. (PNT-7)



REVISIONS:

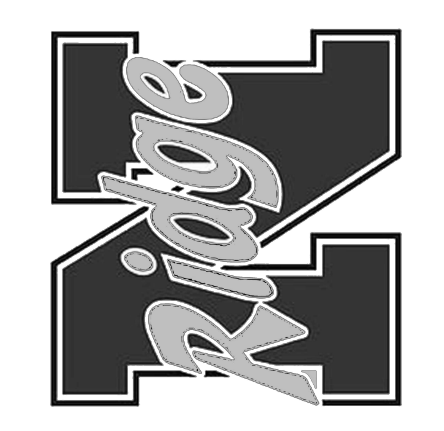
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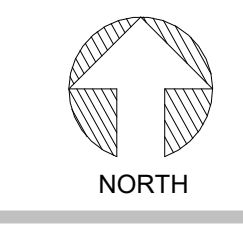
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REFLECTED CEILING PLAN

**A-109**

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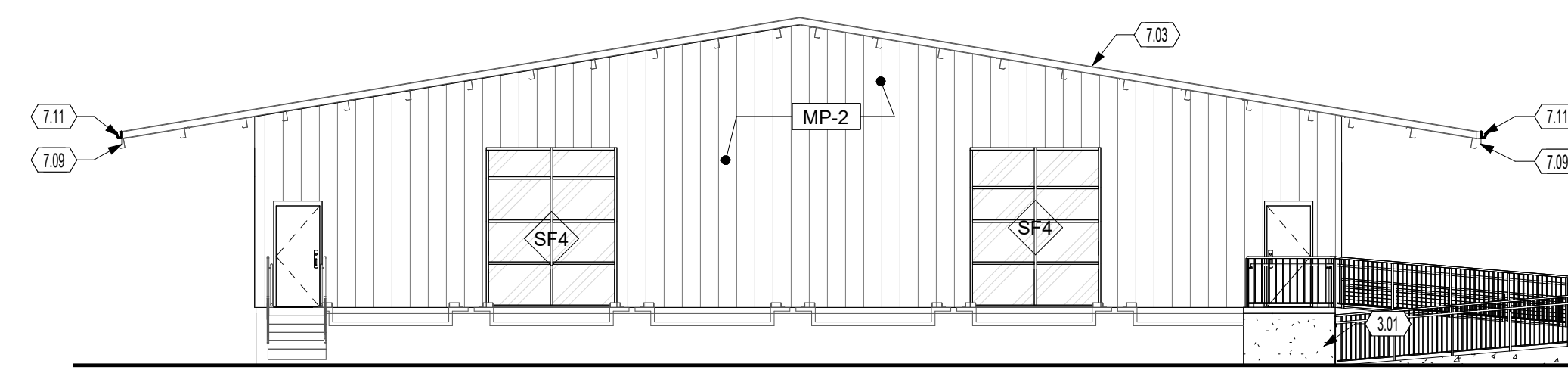


### GENERAL NOTES - ELEVATIONS

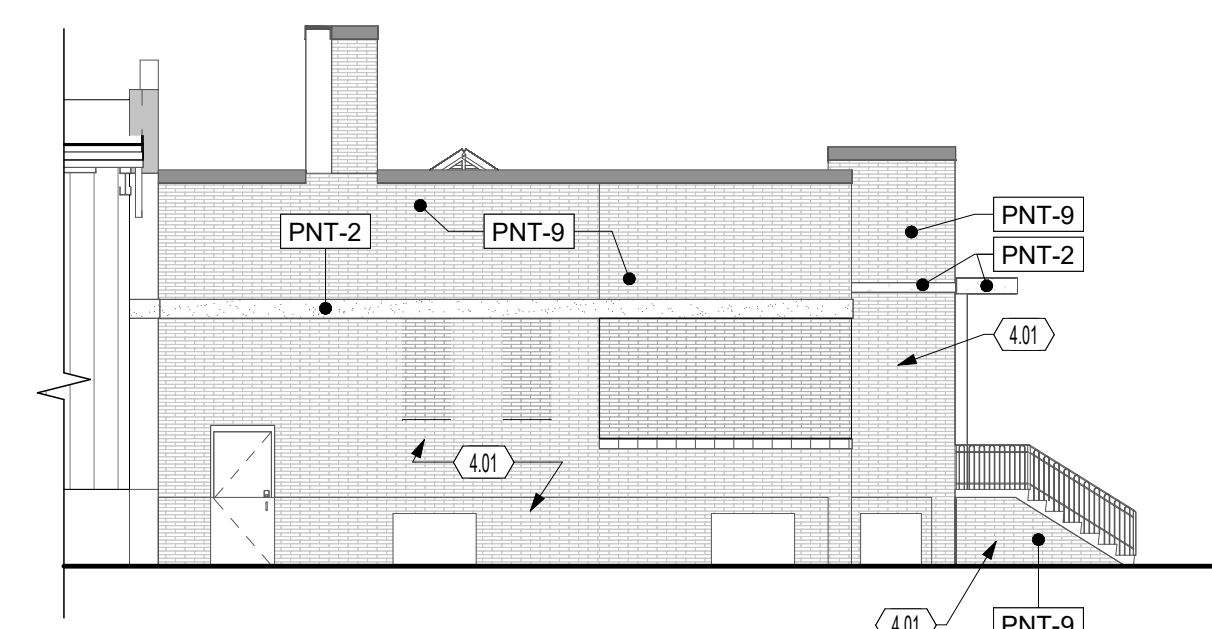
- A. SEE G-002 FOR TYPICAL FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND DIMENSIONS.
- B. SEE FINISH PLANS FOR ALL SCHEDULED FINISHES. CONTRACTOR TO COORDINATE FINAL WALL COLORS SELECTION WITH ARCHITECT AND OWNER PRIOR TO APPLICATION.
- C. PRIOR TO GYPSUM BOARD INSTALL ALL EXPOSED PENETRATIONS SHALL BE REVIEWED BY OWNER/ARCHITECT.
- D. PRIOR TO GYPSUM BOARD INSTALLATION AND ELECTRICAL ROUGH-IN INSPECTION, GENERAL CONTRACTORS, ELECTRICAL DATA CONTRACTORS, AND ARCHITECT SHALL REVIEW IN-PLACE LOCATIONS OF ALL SWITCH BOXES, RECEPTACLE BOXES, FIRE ALARM BOXES, ETC. FINAL LOCATIONS MAY BE ADJUSTED AT THIS TIME TO ALIGN OR COORDINATE WITH DESIGN INTENT.
- E. CONTRACTOR IS RESPONSIBLE FOR COORDINATING LOCATIONS OF ELECTRICAL, PLUMBING AND MECHANICAL DEVICES WITH THE ARCHITECTURAL ITEMS. ELECTRICAL, PLUMBING AND MECHANICAL DEVICES ARE TYPICALLY SHOWN SCHEMATICALLY ON THE PME DRAWINGS AND NOT INTENDED TO REPRESENT THEIR SPECIFIC LOCATION. REVIEW ARCHITECTURAL DRAWINGS FOR WALL MOUNTED EQUIPMENT OR FURNISHINGS AND ADJUST LOCATION OF PME DEVICES AS REQUIRED.

### KEYNOTES

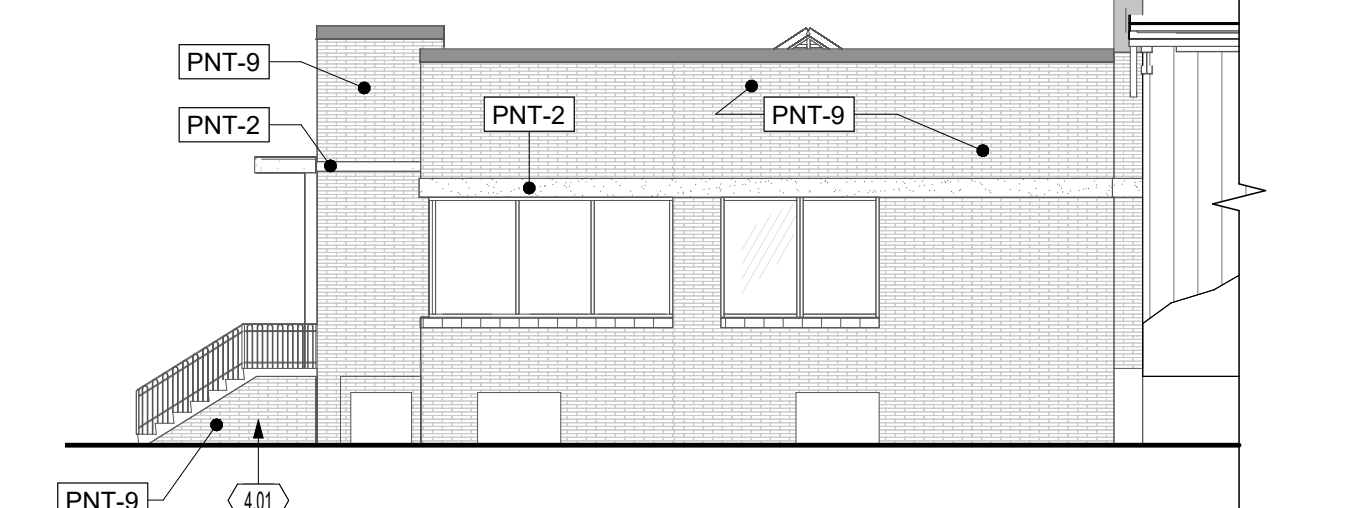
#	DESCRIPTION
3.01	EXISTING CONCRETE WALL TO REMAIN. REMOVE ALL SURFACE MOUNTED INFRASTRUCTURE INCLUDING FASTENERS, BRACKETS, ETC. AND PATCH AND REPAIR AS NEEDED FOR HIGH PERFORMANCE COATING AS SPECIFIED
4.01	TUCKPOINT AND REPAIR EXISTING BRICK AS REQUIRED FOR NEW FINISH
7.02	NEW TPO ROOFING. TWO LAYERS OF 2" POLYISOCYANURATE ROOF INSULATION (MINIMUM R VALUE OF 26), 6 MIL VAPOR ON EXISTING 1 1/2" METAL DECK
7.03	EXISTING ROOFING TO REMAIN - PATCH AND REPAIR AS NEEDED FOR LIKE NEW CONDITION
7.09	PREFINISHED METAL FASCIA WITH DRIP EDGE
7.11	10" PREFINISHED METAL GUTTER - COLOR TO MATCH ADJACENT METAL
7.12	10" SQUARE METAL DOWNSPOUT DRAINING TO SPLASH BLOCK PROVIDE SPACERS AS REQUIRED FOR DOWNSPOUT TO BYPASS CAST STONE STILL. PAINT TO MATCH ADJACENT METAL PANEL
8.21	EXISTING SKYLIGHT TO REMAIN - REPLACE ANY DAMAGED GLAZING AND SEALS AS REQUIRED TO PROVIDE WATER TIGHT CONDITION
9.11	PAINT EXISTING STAIR, RAILING AND ASSOCIATED PIECES [PNT-7]



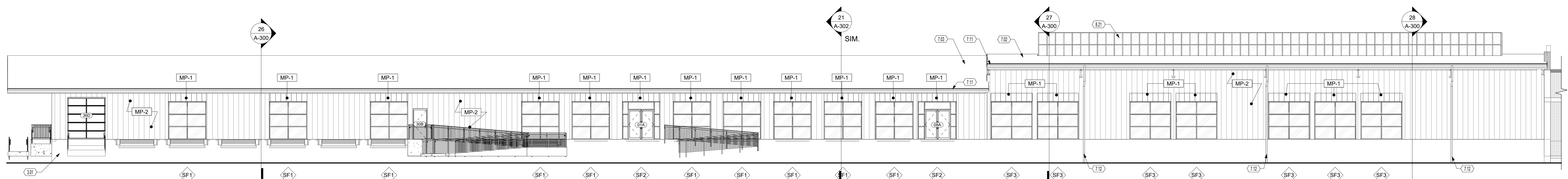
**28 WEST ELEVATION**  
SCALE | 1" = 10'-0"



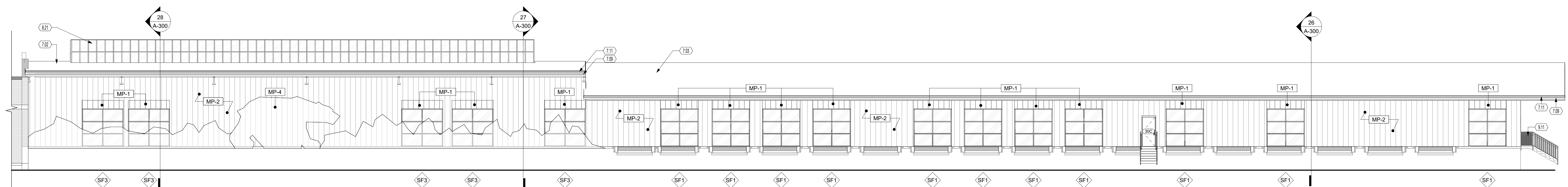
**18 SOUTH ELEVATION - BRICK**  
SCALE | 1" = 10'-0"



**13 NORTH ELEVATION - BRICK**  
SCALE | 1" = 10'-0"



**27 SOUTH ELEVATION**  
SCALE | 1" = 10'-0"



**26 NORTH ELEVATION**  
SCALE | 1" = 10'-0"

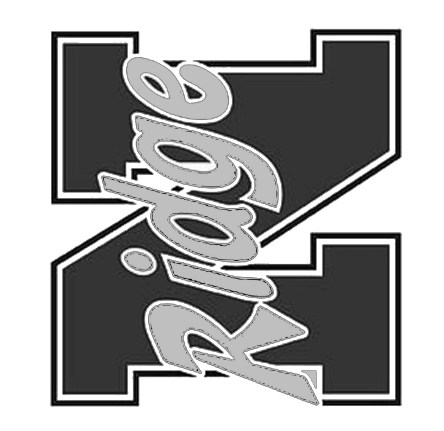


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EXTERIOR ELEVATIONS

**A-201**



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KEYNOTES	
7.02	NEW TPO ROOFING - TWO LAYERS OF 2.1" POLYISOCYANURATE ROOF INSULATION (MINIMUM R VALUE OF 25), 6 MIL VAPOR ON EXISTING 1 1/2" METAL DECK
7.03	EXISTING ROOFING TO REMAIN - PATCH AND REPAIR AS NEEDED FOR LIKE NEW CONDITION
7.09	PREFINISHED METAL FASCIA WITH DRIP EDGE
7.11	10" PREFINISHED METAL GUTTER - COLOR TO MATCH ADJACENT METAL
8.21	EXISTING SKYLIGHT TO REMAIN - REPLACE ANY DAMAGED GLAZING AND SEALS AS REQUIRED TO PROVIDE WATERTIGHT CONDITION
10.11	EXISTING BOLLARD TO REMAIN TYP. - PREP TO RECEIVE PAINT AS SCHEDULED

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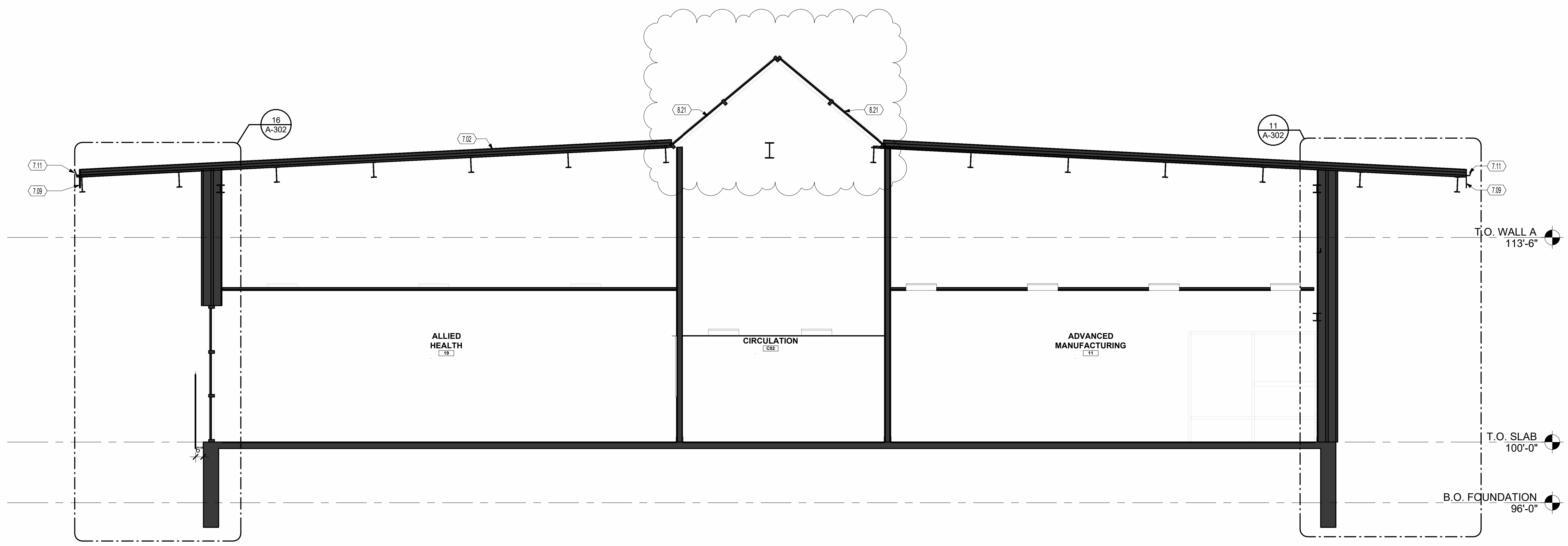
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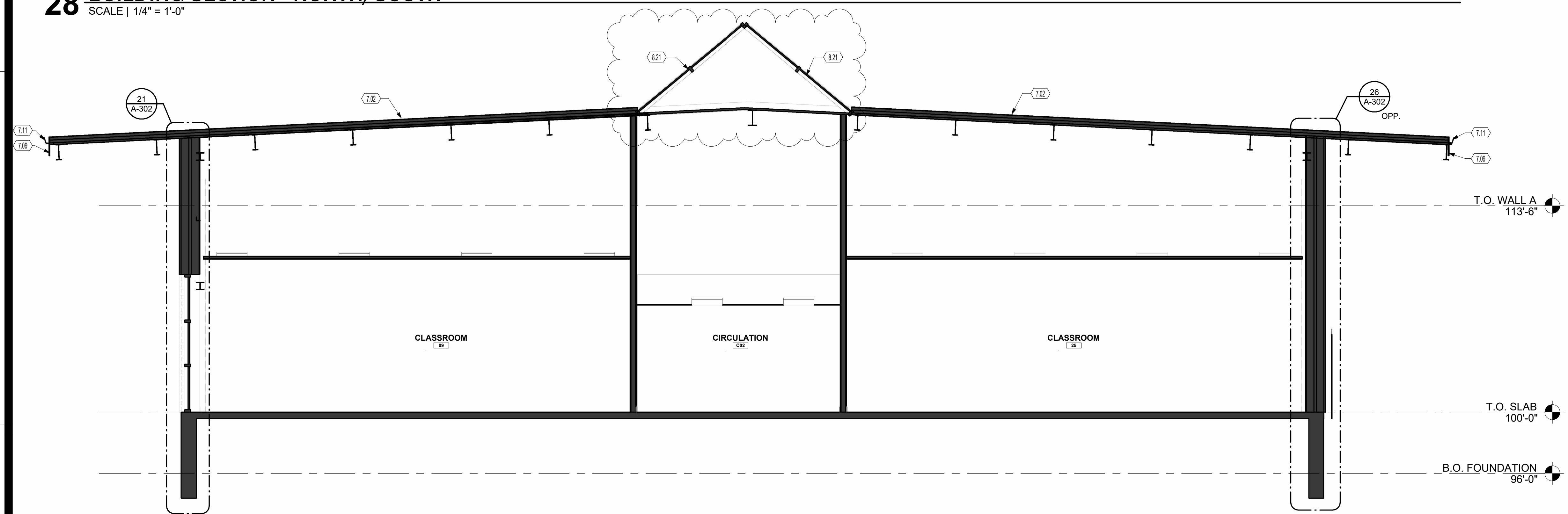


BUILDING SECTIONS

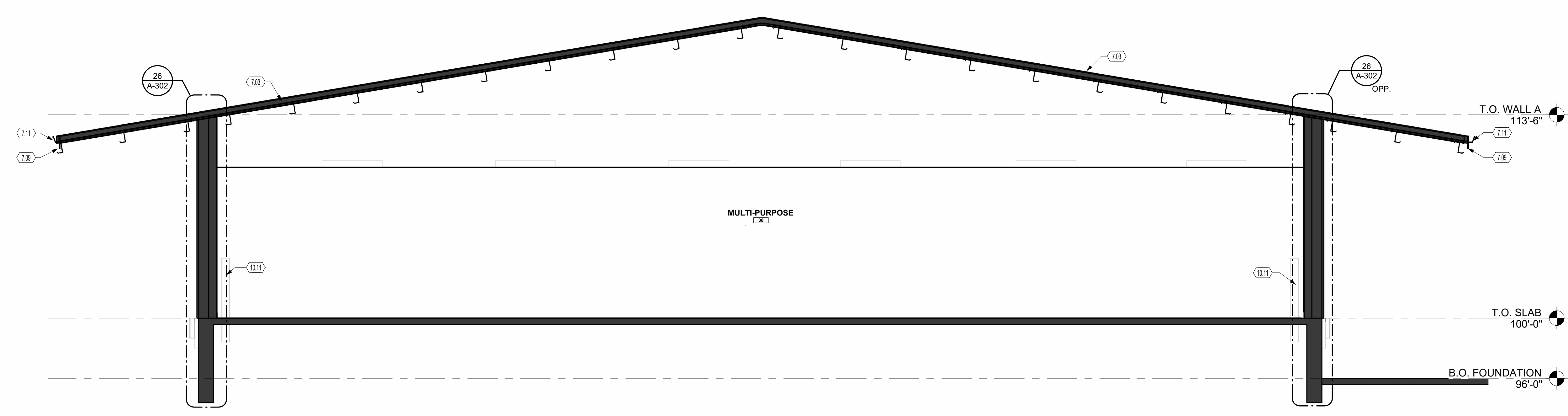
**A-300**



**28 BUILDING SECTION - NORTH/SOUTH**  
SCALE | 1/4" = 1'-0"



**27 BUILDING SECTION - NORTH/SOUTH**  
SCALE | 1/4" = 1'-0"



**26 SECTION - MULTIPURPOSE**  
SCALE | 1/4" = 1'-0"

12/19/2022 10:13:11 AM



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**KEYNOTES**

- 3.01 EXISTING CONCRETE WALL TO REMAIN. REMOVE ALL SURFACE MOUNTED INFRASTRUCTURE INCLUDING FASTENERS, BRACKETS, ETC. AND PATCH AND REPAIR AS NEEDED FOR HIGH PERFORMANCE COATING AS SPECIFIED
- 5.02 EXISTING ZEE GIRTS - SEE STRUCTURAL DRAWINGS
- 5.03 PREFINISHED METAL SIDING - VERTICAL - SEE ELEVATIONS AND DETAILS
- 5.04 METAL STUD FRAMINGS
- 5.05 EXISTING STEEL ROOF DECK AND SUPPORT PURLINE, PAINTED - SEE STRUCTURAL
- 5.06 NEW ZEE GIRTS TO MATCH EXISTING - SEE STRUCTURAL
- 5.07 EXISTING METAL SIDING - PAINTED
- 5.08 EXISTING METAL DECK TO REMAIN - PAINT WHERE EXPOSED
- 5.13 PERFORATED METAL PANEL ON HAT CHANNELS
- 7.02 NEW TPO ROOFING, TWO LAYERS OF 2" POLYISOCYANURATE ROOF INSULATION (MINIMUM R VALUE OF 25), 6 MIL VAPOR ON EXISTING 1 1/2" METAL DECK
- 7.03 EXISTING ROOFING TO REMAIN - PATCH AND REPAIR AS NEEDED FOR LIKE NEW CONDITION
- 7.06 BATT INSULATION COMPRESSED BETWEEN GIRTS - R-25 MIN.
- 7.07 BATT INSULATION WITH AIR/VAPOR BARRIER FACING - R-10 MIN.
- 7.09 PREFINISHED METAL FASCIA WITH DRIP EDGE
- 7.11 10" PREFINISHED METAL GUTTER - COLOR TO MATCH ADJACENT METAL.
- 7.17 2" AIR GAP
- 8.04 ALUMINUM STOREFRONT SYSTEM
- 9.01 5/8" TYPE "X" GWS PAINTED
- 9.09 CEILING AS SCHEDULED
- 10.11 EXISTING BOLLARD TO REMAIN TYP., PREP TO RECEIVE PAINT AS SCHEDULED
- 11.05 SELF CONTAINED WELDING BOOTH - CONTRACTOR PROVIDED CONTRACTOR INSTALLED

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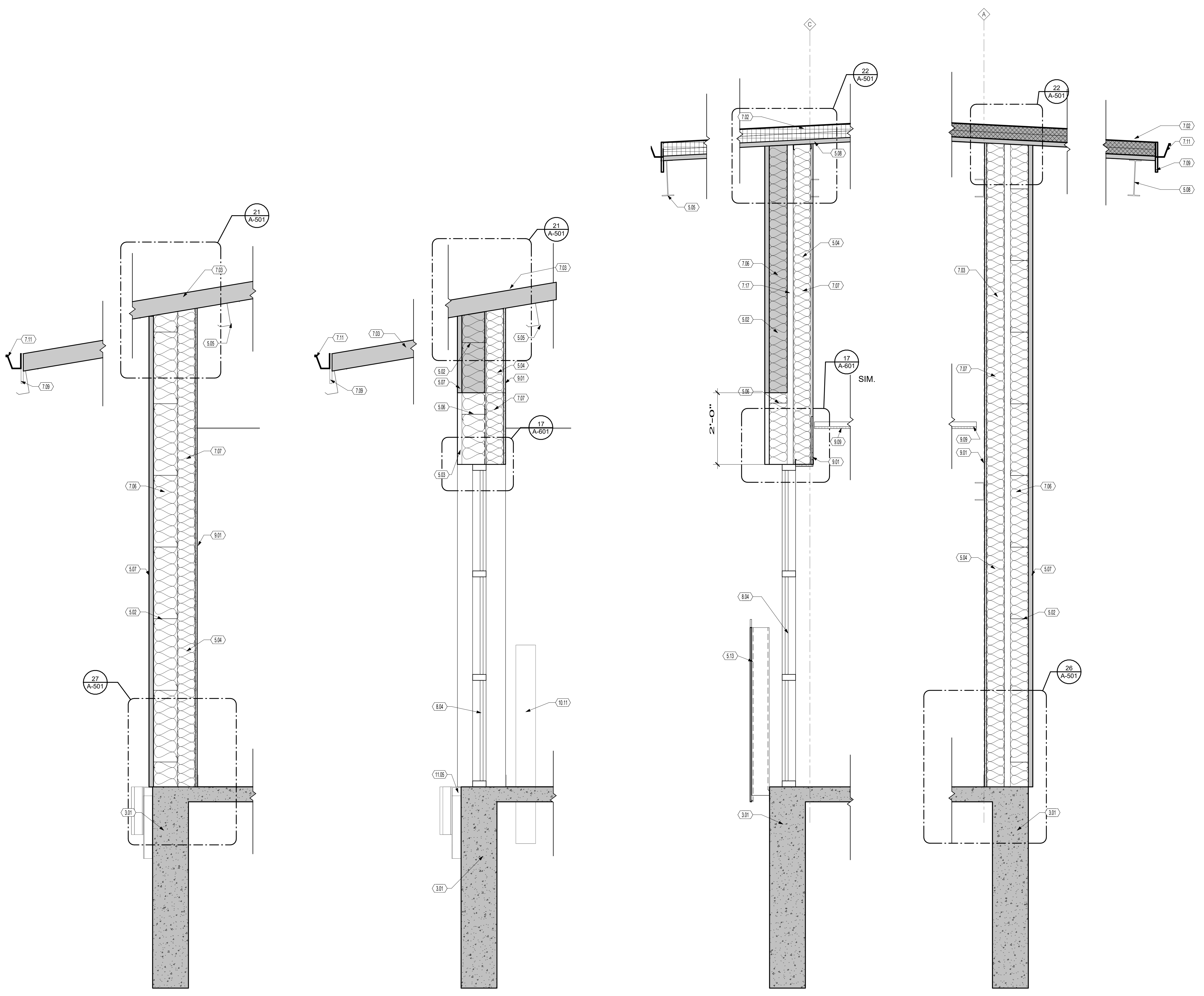
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WALL SECTIONS

**A-302**



**26 EXTERIOR WALL @ SIDING**  
SCALE | 3/4" = 1'-0"

**21 EXTERIOR WALL @ WINDOW**  
SCALE | 3/4" = 1'-0"

**16 SIDING @ WINDOW - NEW ROOF**  
SCALE | 3/4" = 1'-0"

**11 SIDING - NEW ROOF**  
SCALE | 3/4" = 1'-0"

12/19/2022 10:13:33 AM

**GENERAL NOTES - RESTROOM**

- A. SEE G-002 FOR TYPICAL FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND DIMENSIONS.
- B. SEE PME PLANS FOR FIXTURE TYPES AND ADDITIONAL INFORMATION.
- C. SEE FINISH PLANS FOR ALL SCHEDULED FINISHES

**KEYNOTES**

- 10.01 18" VERTICAL GRAB BAR
- 10.02 42" HORIZONTAL GRAB BAR
- 10.03 36" HORIZONTAL GRAB BAR
- 10.07 PAPER TOWEL (FOLDED) DISPENSER
- 10.08 PAPER TOWEL DISPENSER
- 10.09 SANITARY NAPKIN DISPOSAL
- 10.10 TOILET TISSUE DISPENSER
- 10.11 EXISTING BOLLARD TO REMAIN TYP., PREP TO RECEIVE PAINT AS SCHEDULED
- 10.13 LIQUID SOAP DISPENSER PROVIDE BLOCKING AS REQUIRED
- 10.15 MIRROR W/ FRAME AND SHELF 24"x36"
- 10.16 ADA SHOWER GRAB BAR
- 10.18 TOILET PARTITION
- 10.19 SHOWER CURTAIN AND ROD
- 10.20 URINAL SCREEN
- 10.26 MIRROR W/ FRAME 24"x36"
- 10.33 ADA SHOWER BENCH
- 22.01 SINK FIXTURE. SEE PLUMBING DRAWINGS. (INSULATE PIPING BELOW)
- 22.02 TOILET. SEE PLUMBING DRAWINGS
- 22.03 URINAL. SEE PLUMBING DRAWINGS
- 22.05 CHILDRENS HEIGHT TOILET. SEE PLUMBING DRAWINGS
- 22.07 ADA HEIGHT DRINKING FOUNTAIN. SEE PLUMBING DRAWINGS
- 22.08 HI-LOW DRINKING FOUNTAIN WITH BOTTLE FILLERS PER ADA GUIDELINES. SEE PLUMBING DRAWINGS
- 22.09 ROLL IN SHOWER PAN, LINER, AND FIXTURE. SEE PLUMBING DRAWINGS

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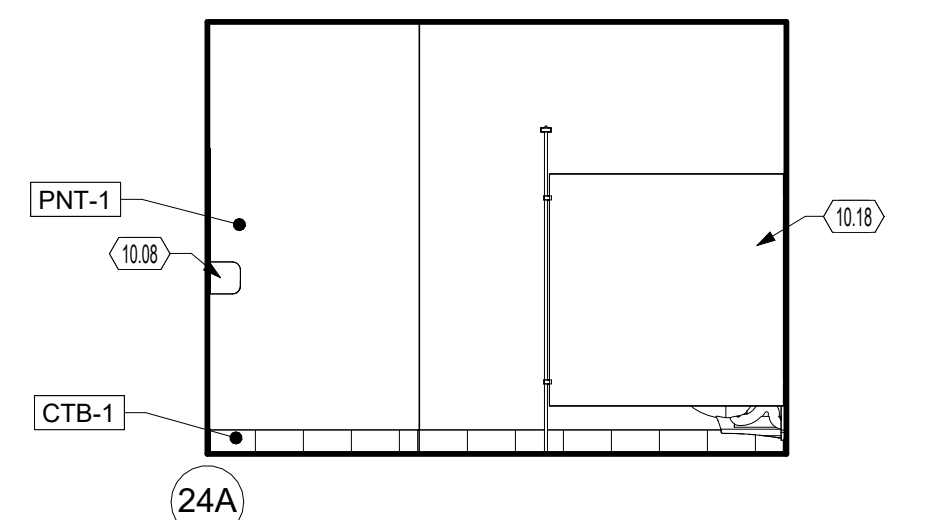


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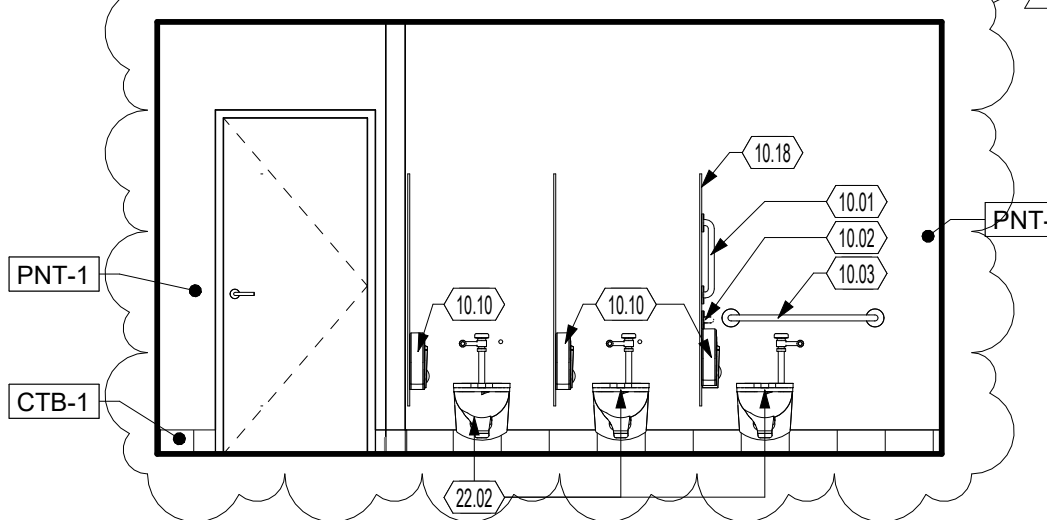
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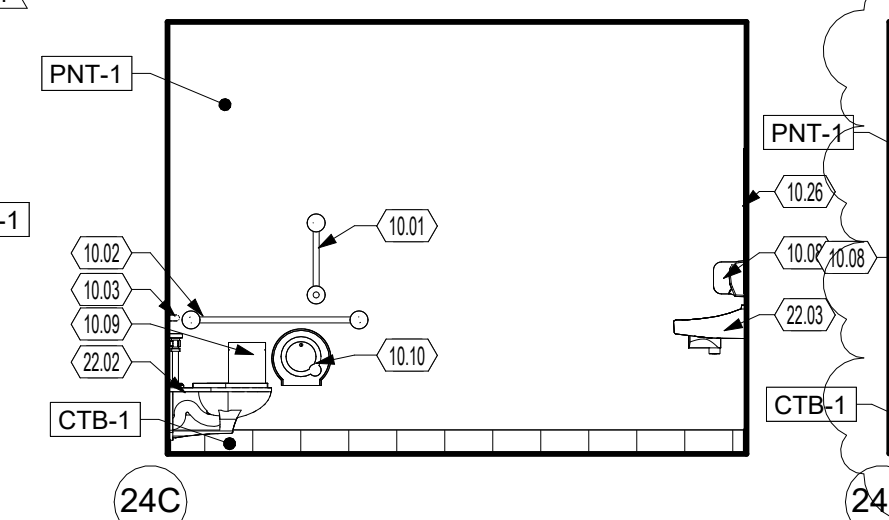
RESTROOM PLANS AND ELEVATIONS



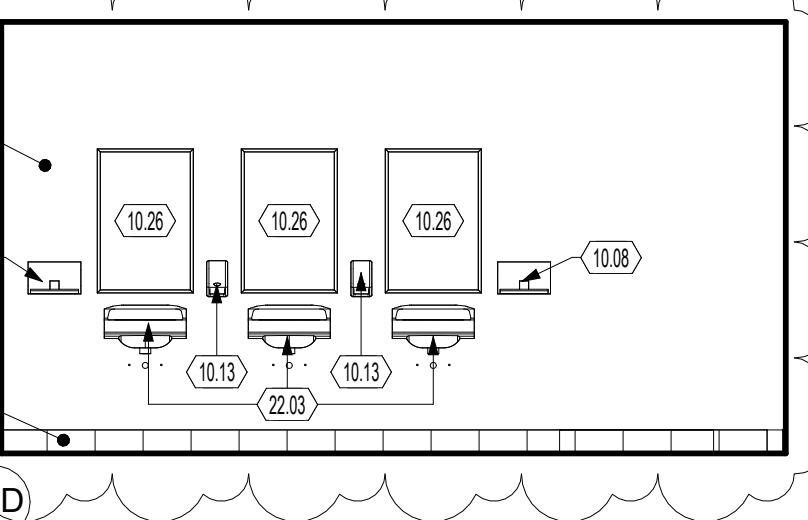
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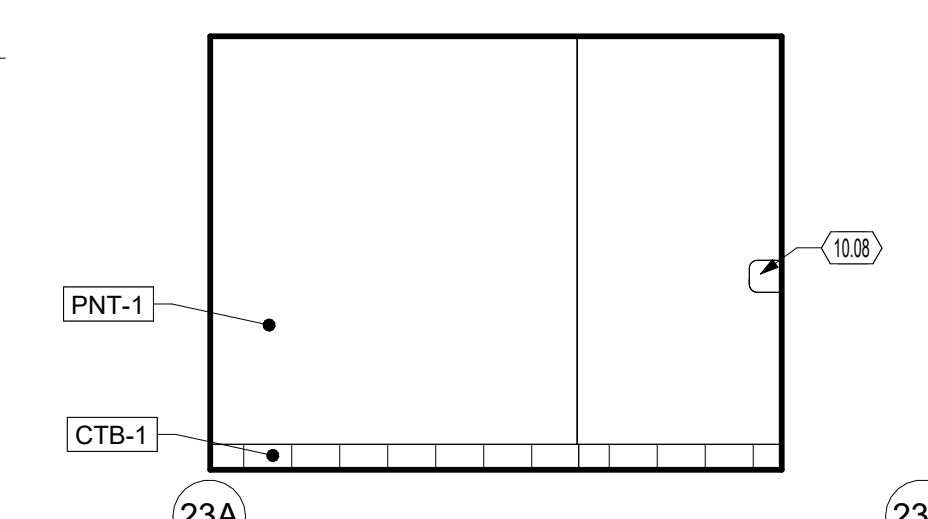
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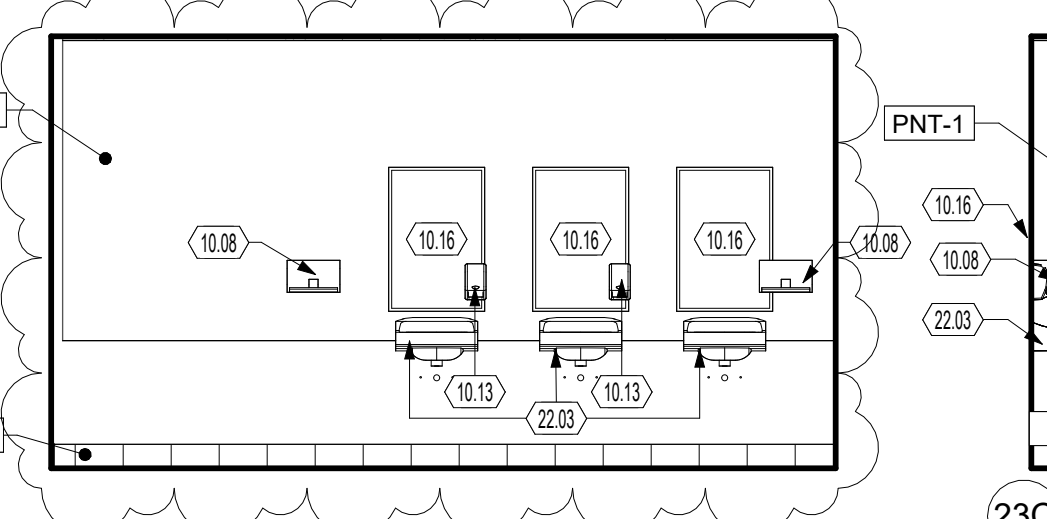
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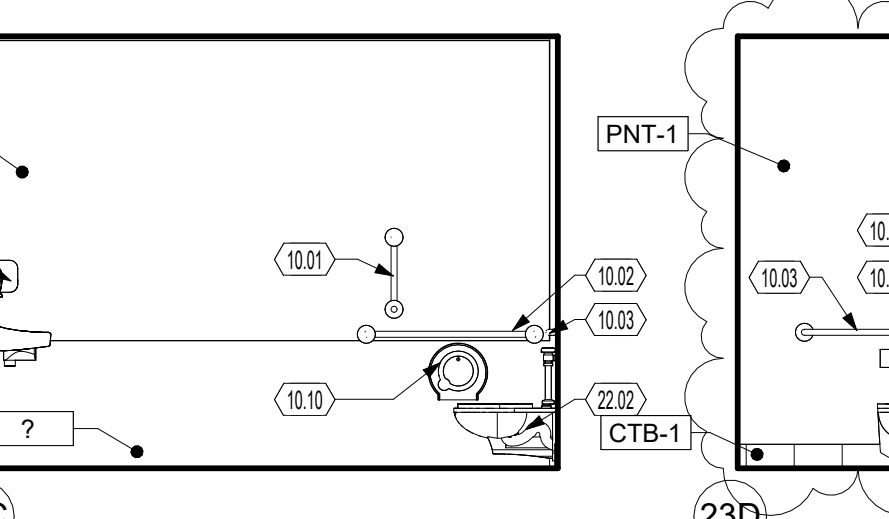
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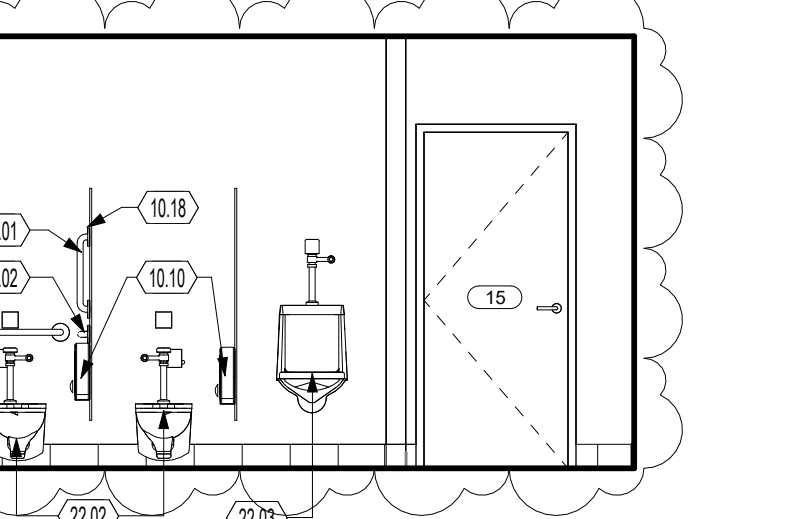
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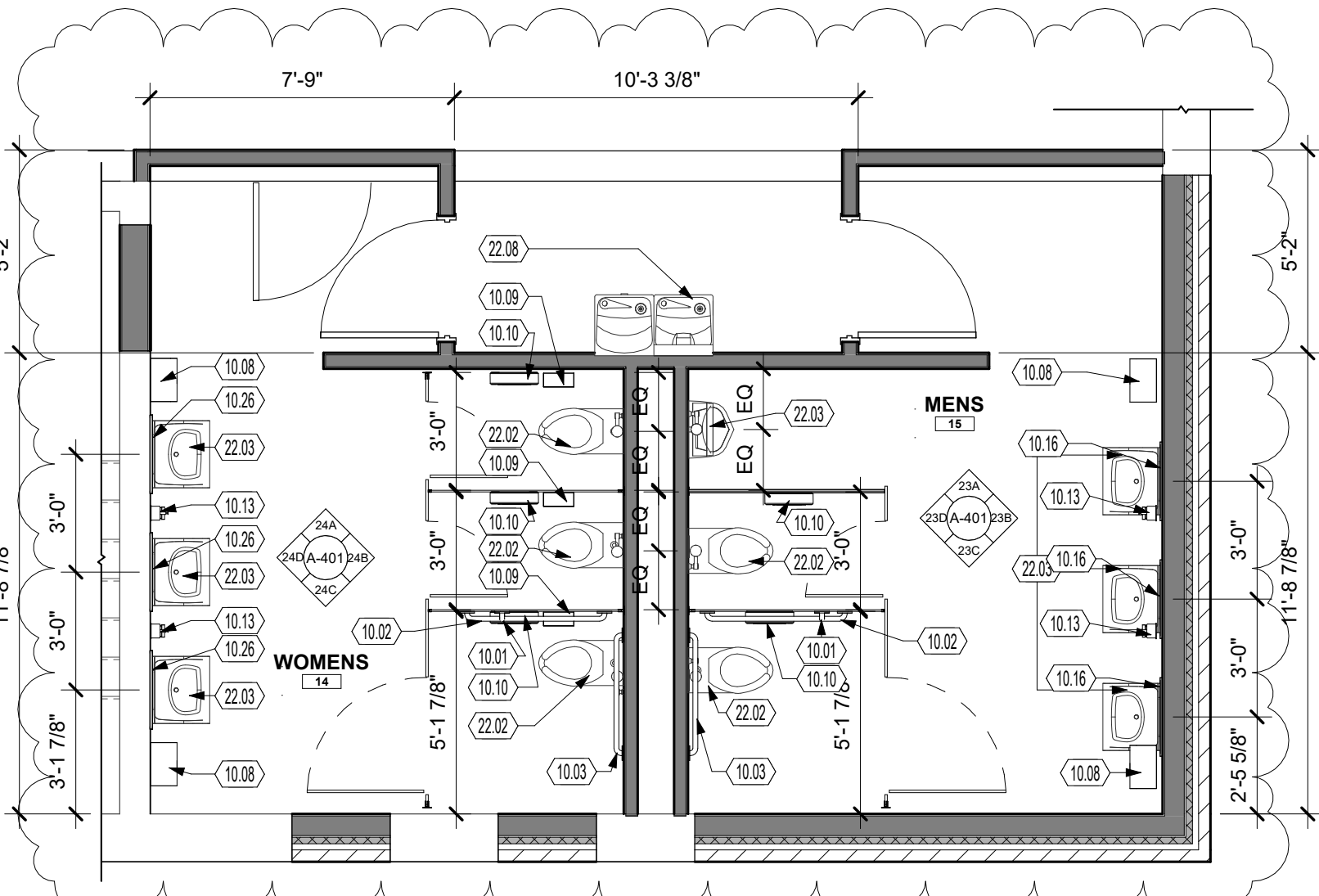
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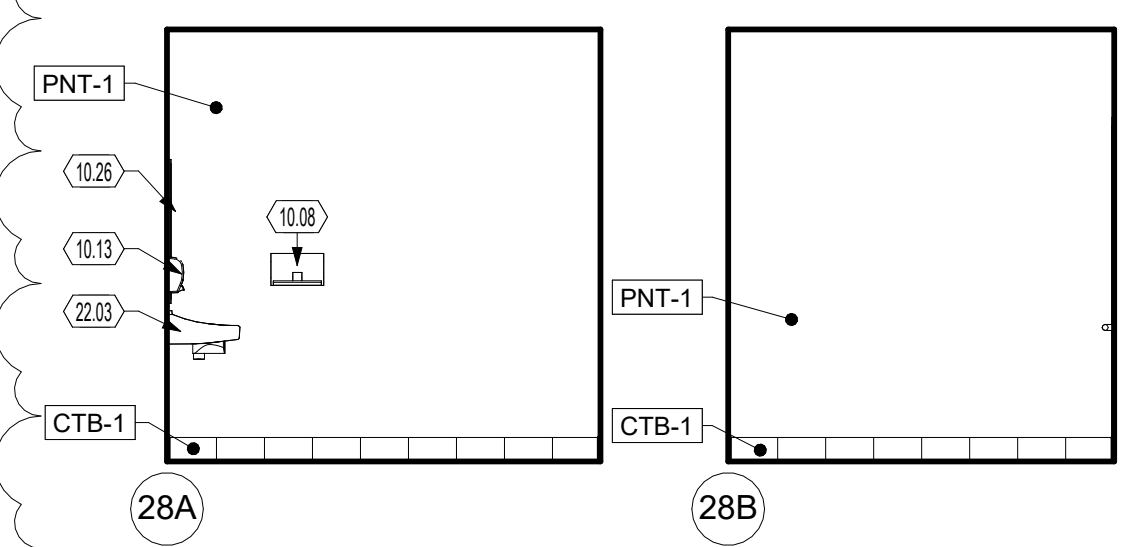
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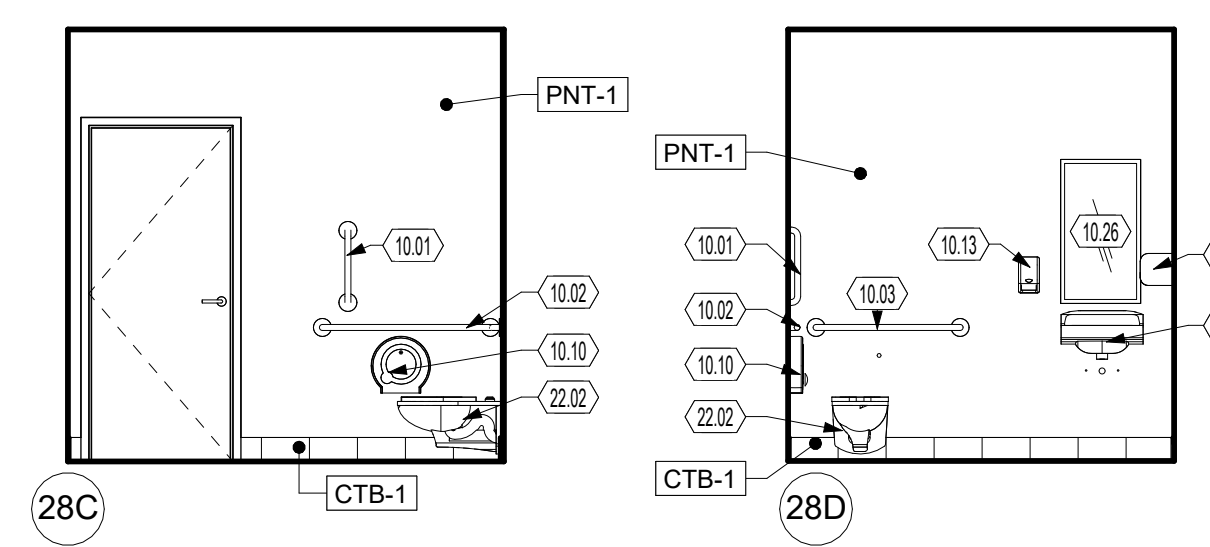
23D



**29 GROUP RESTROOMS**  
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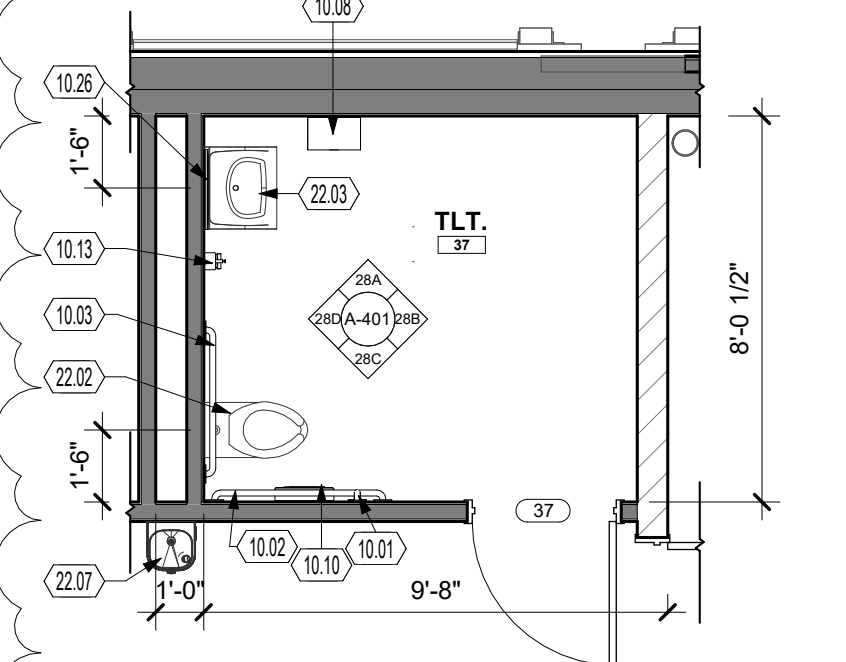


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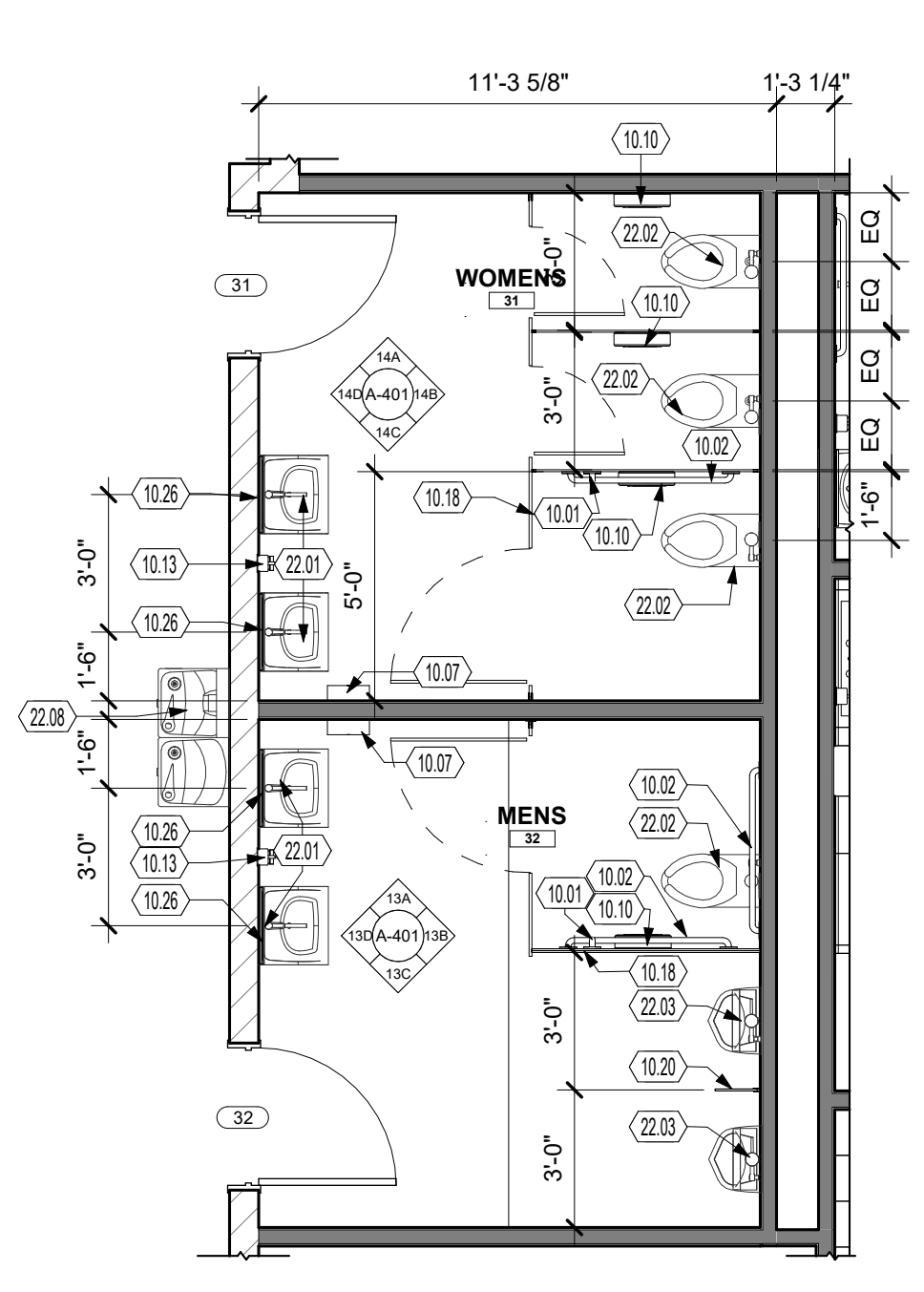


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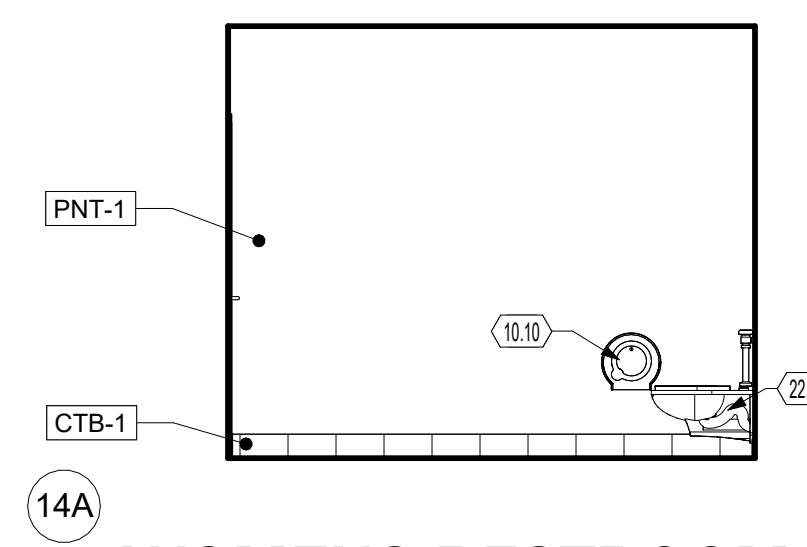
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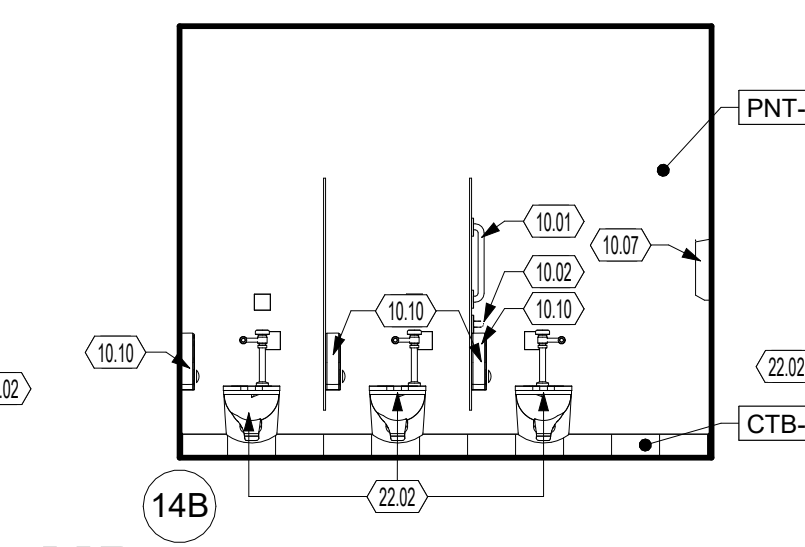
**28 TOILET 37**  
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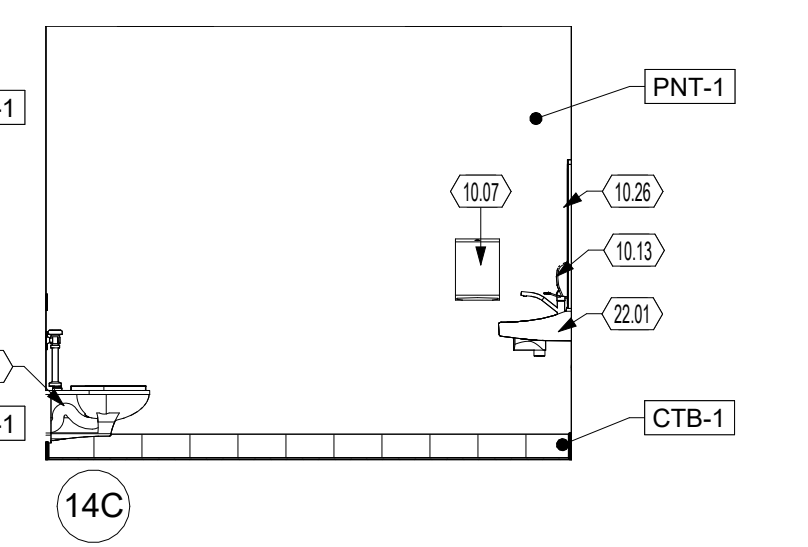
**27 GROUP RESTROOMS - MP**  
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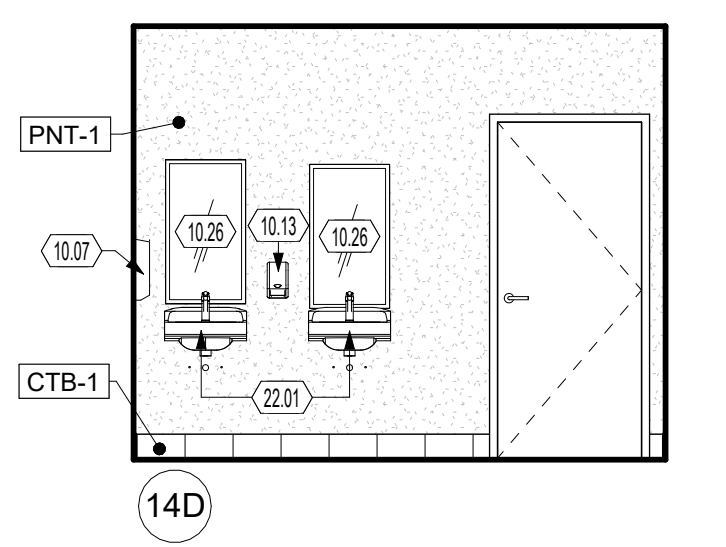
14A



14B

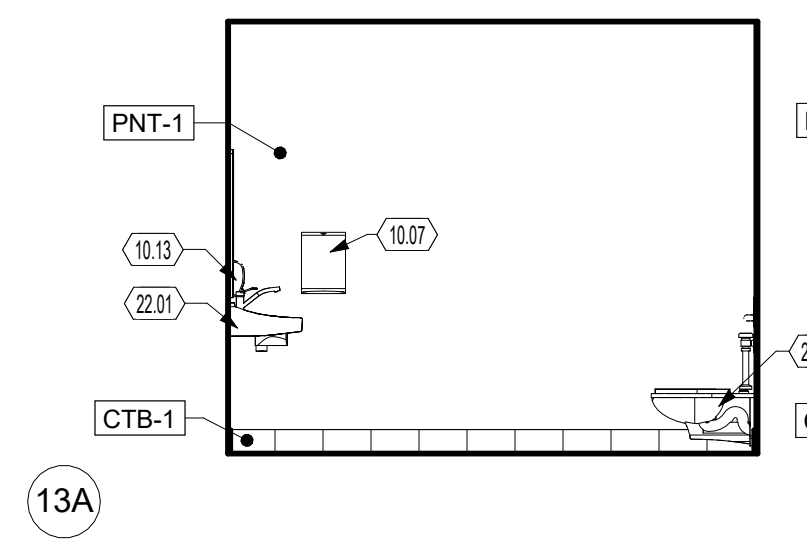


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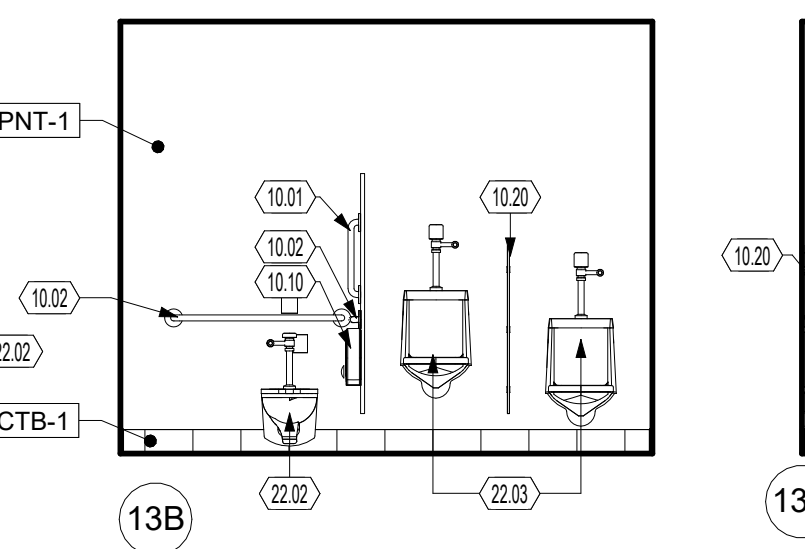


14D

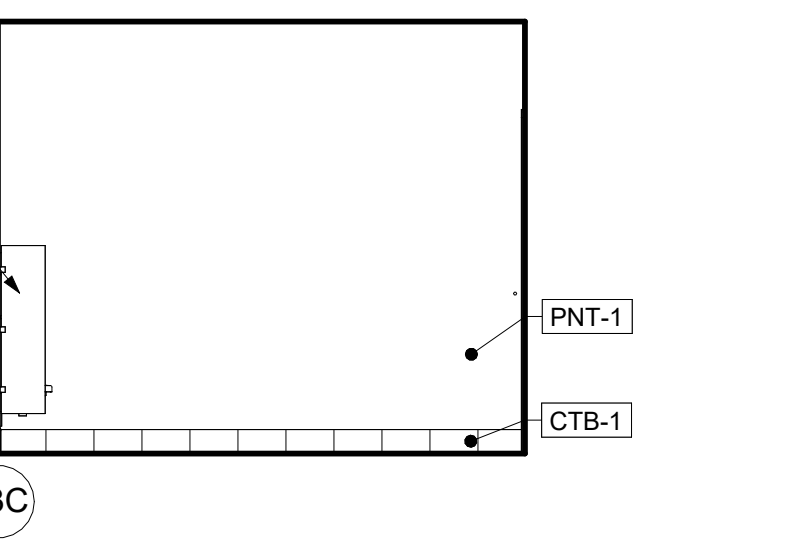
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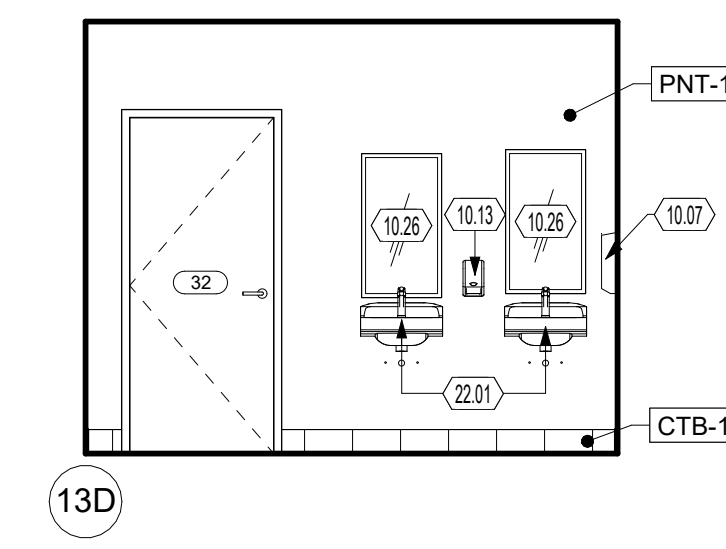
13A



13B

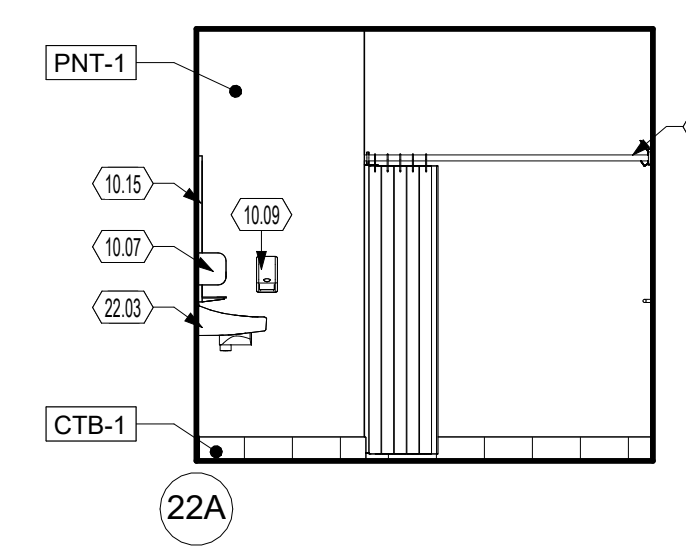


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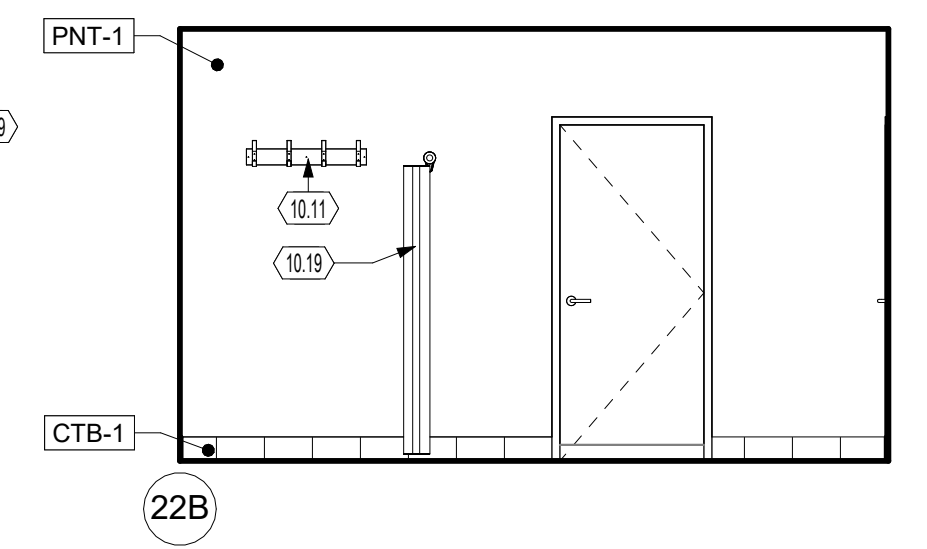


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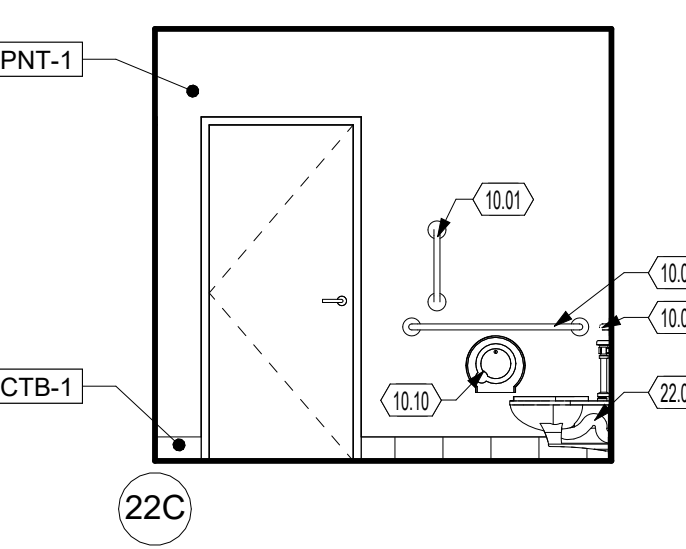
**13 MENS RESTROOM - MP**  
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22A

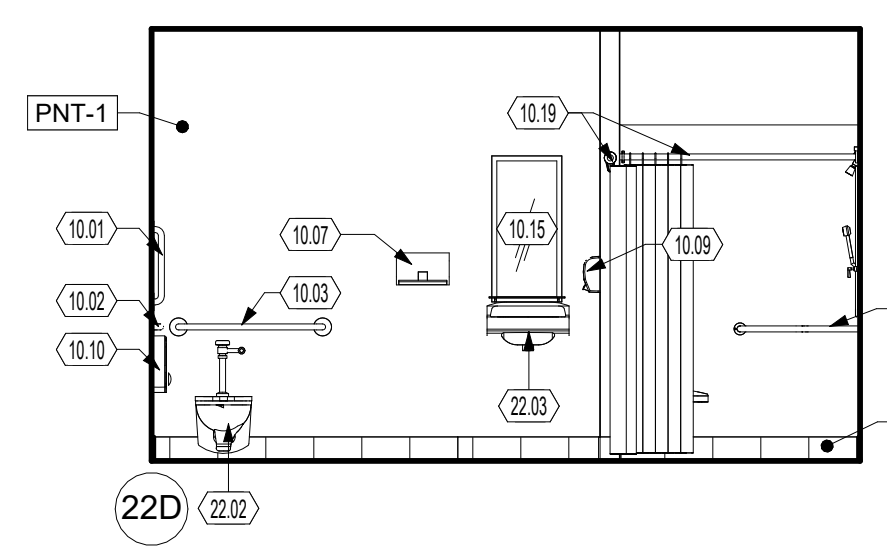


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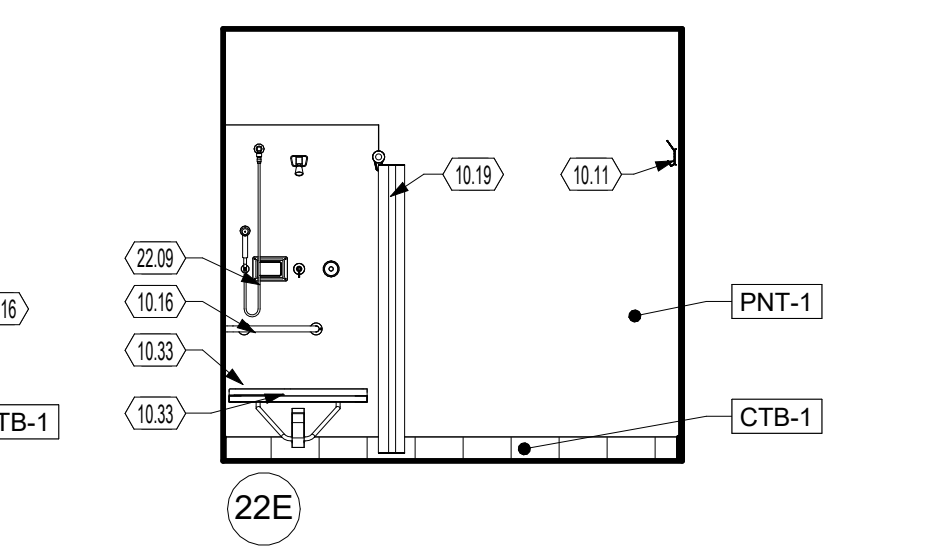


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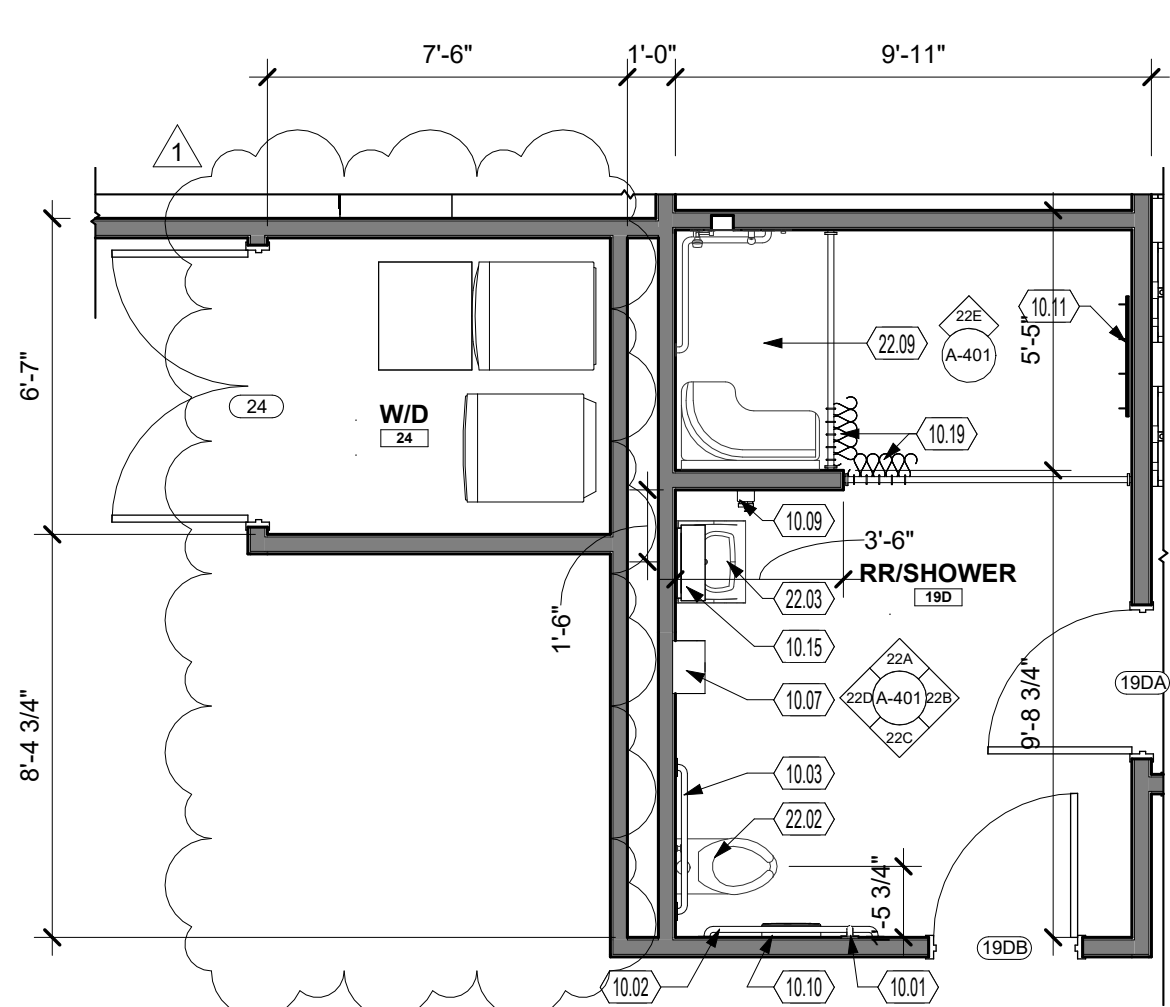
**22 RESTROOM/SHOWER**  
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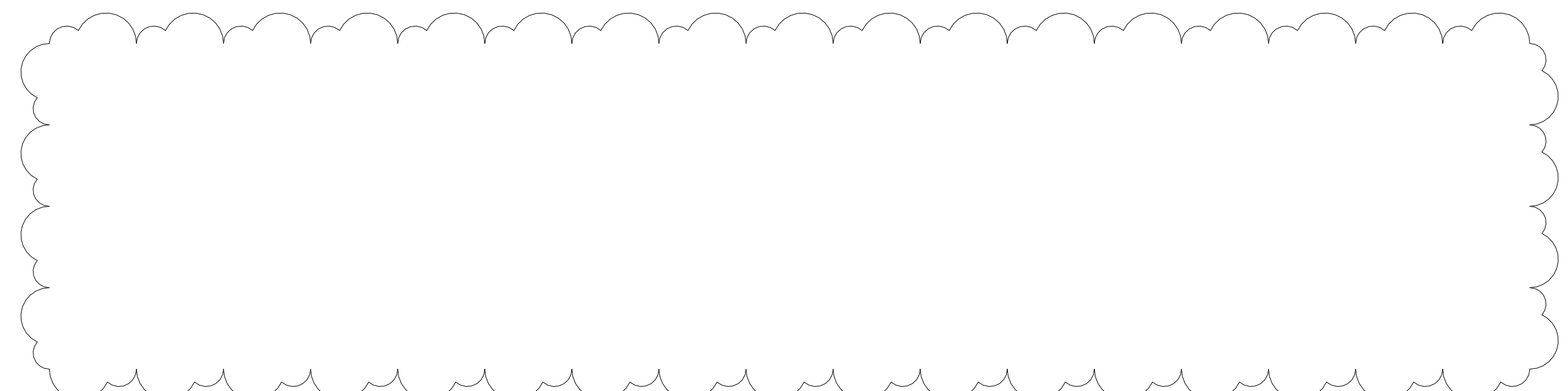
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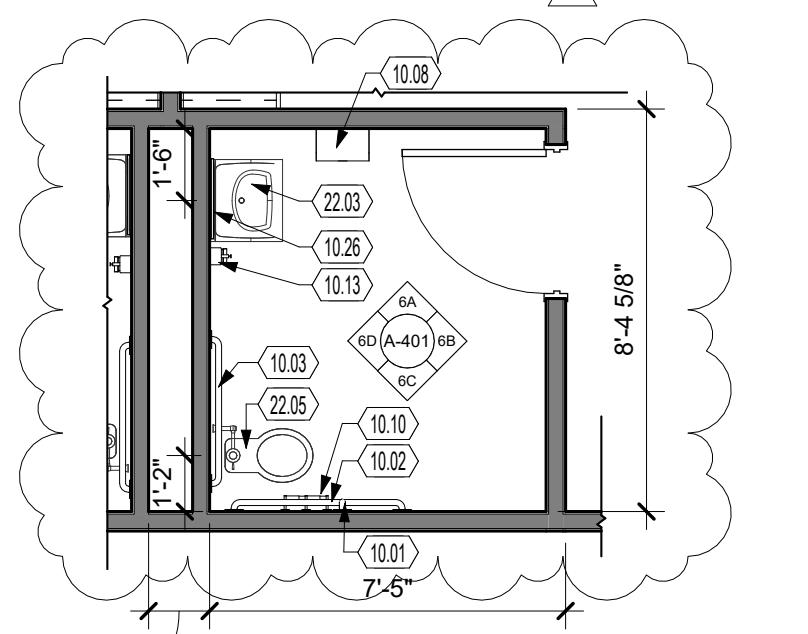
22E



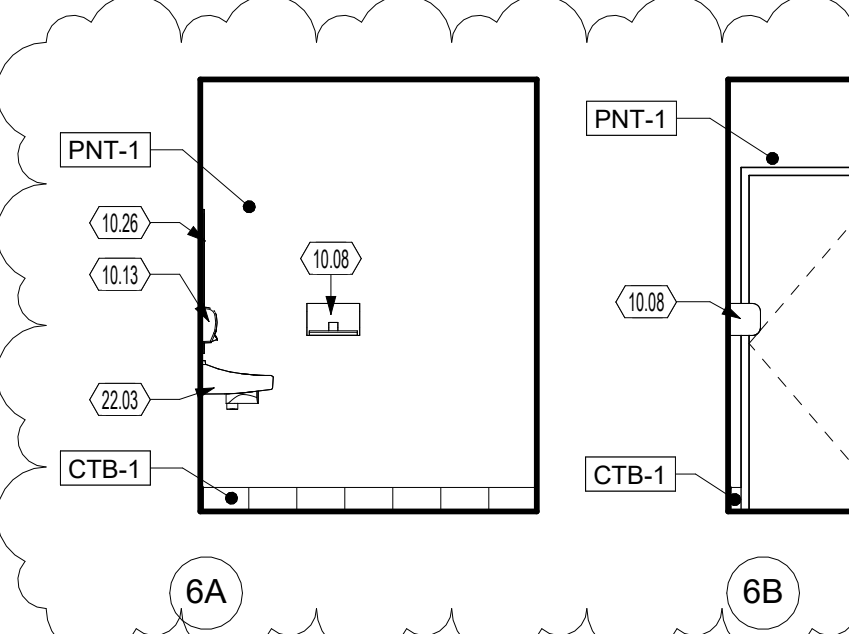
**26 SINGLE TOILET/RR SHOWER**  
 SCALE | 1/4" = 1'-0"



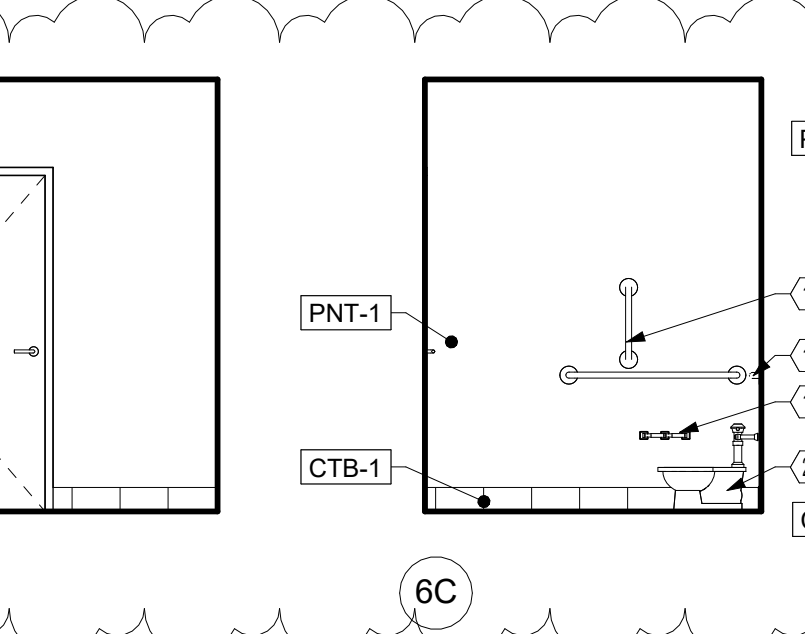
**21 TOILET 20**  
 SCALE | 1/4" = 1'-0"



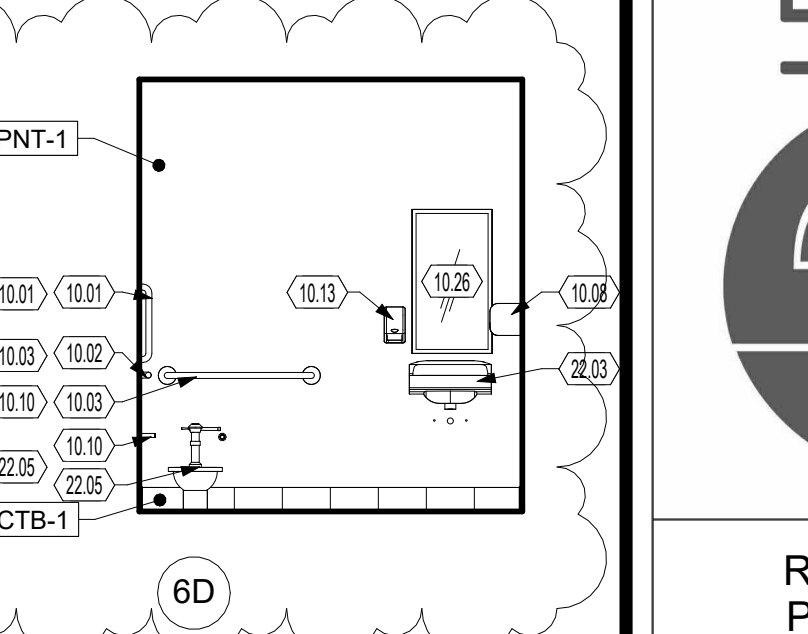
**11 PRESCHOOL TLT, TYP.**  
 SCALE | 1/4" = 1'-0"



6A



6B

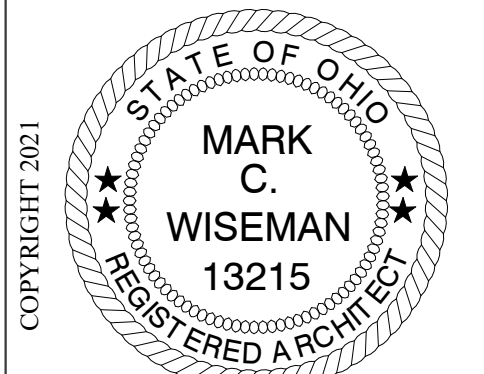


6C



6D

**6 PRESCHOOL RESTROOM**  
 SCALE | 1/4" = 1'-0"



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Expiration Date 12/31/2021

**GENERAL NOTES - ELEVATIONS**

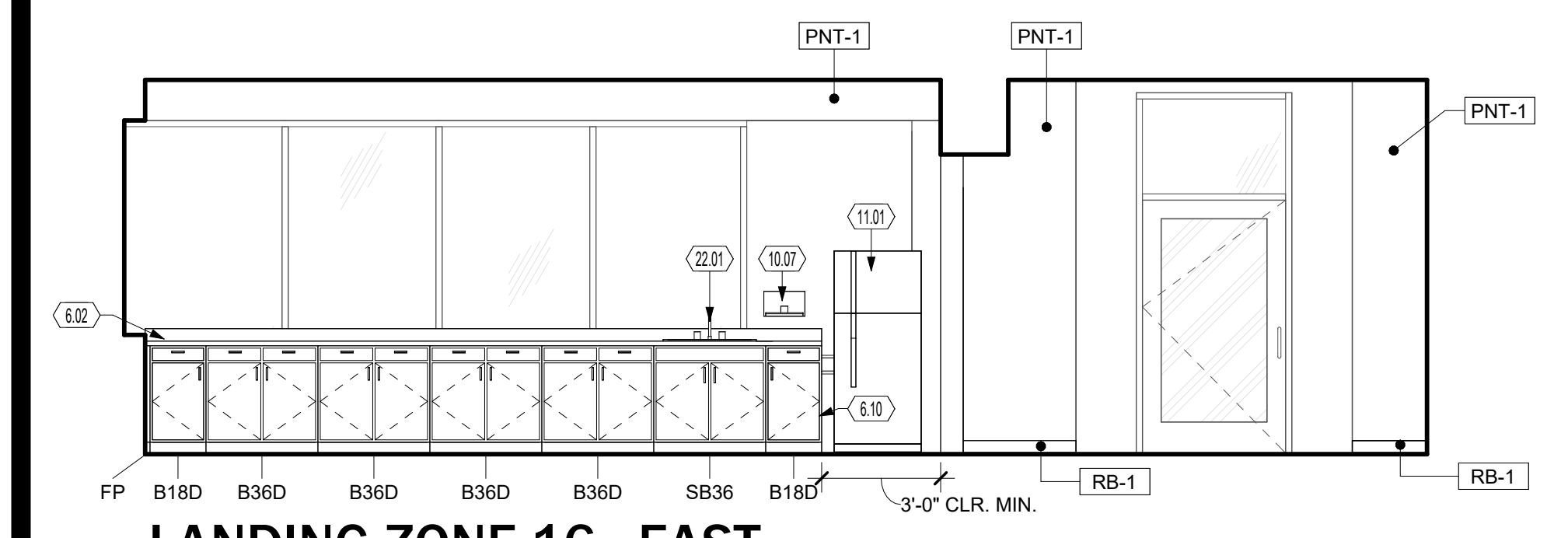
- A. SEE G-002 FOR TYPICAL FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND DIMENSIONS.
- B. SEE FINISH PLANS FOR ALL SCHEDULED FINISHES. CONTRACTOR TO COORDINATE FINAL WALL COLORS SELECTION WITH ARCHITECT AND OWNER PRIOR TO APPLICATION.
- C. PRIOR TO GYPSUM BOARD INSTALLATION ALL EXPOSED PENETRATIONS SHALL BE REVIEWED BY OWNER/ARCHITECT.
- D. PRIOR TO GYPSUM BOARD INSTALLATION AND ELECTRICAL ROUGH-IN INSPECTION, GENERAL CONTRACTORS, ELECTRICAL DATA CONTRACTORS, AND ARCHITECT SHALL REVIEW IN-PLACE LOCATIONS OF ALL SWITCH BOXES, RECEPTACLE BOXES, FIRE ALARM BOXES, ETC. FINAL LOCATIONS MAY BE ADJUSTED AT THIS TIME TO ALIGN OR COORDINATE WITH DESIGN INTENT.
- E. CONTRACTOR IS RESPONSIBLE FOR COORDINATING LOCATIONS OF ELECTRICAL, PLUMBING AND MECHANICAL DEVICES WITH THE ARCHITECTURAL ITEMS. ELECTRICAL, PLUMBING AND MECHANICAL DEVICES ARE TYPICALLY SHOWN SCHEMATICALLY ON THE PME DRAWINGS AND NOT INTENDED TO REPRESENT THEIR SPECIFIC LOCATION. REVIEW ARCHITECTURAL DRAWINGS FOR WALL MOUNTED EQUIPMENT OR FURNISHINGS AND ADJUST LOCATION OF PME DEVICES AS REQUIRED.

**CASEWORK KEY**

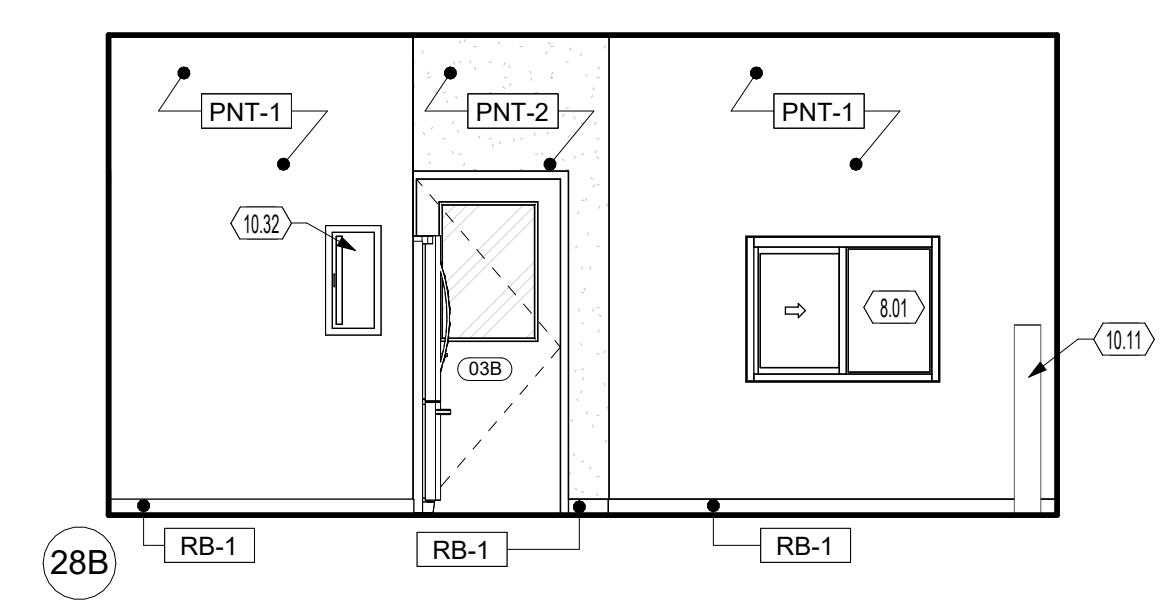
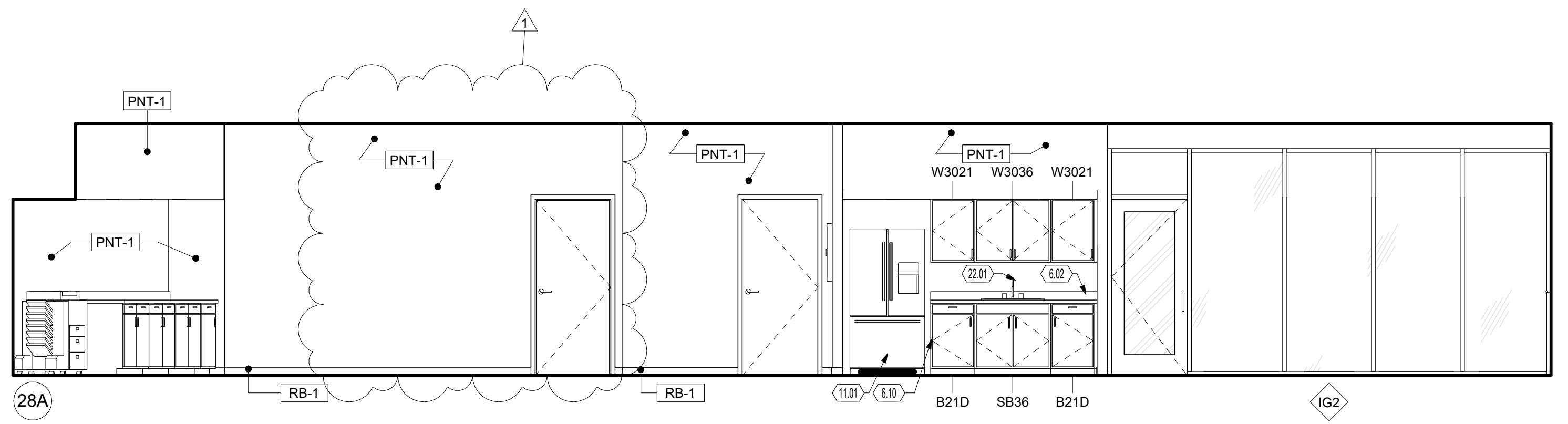
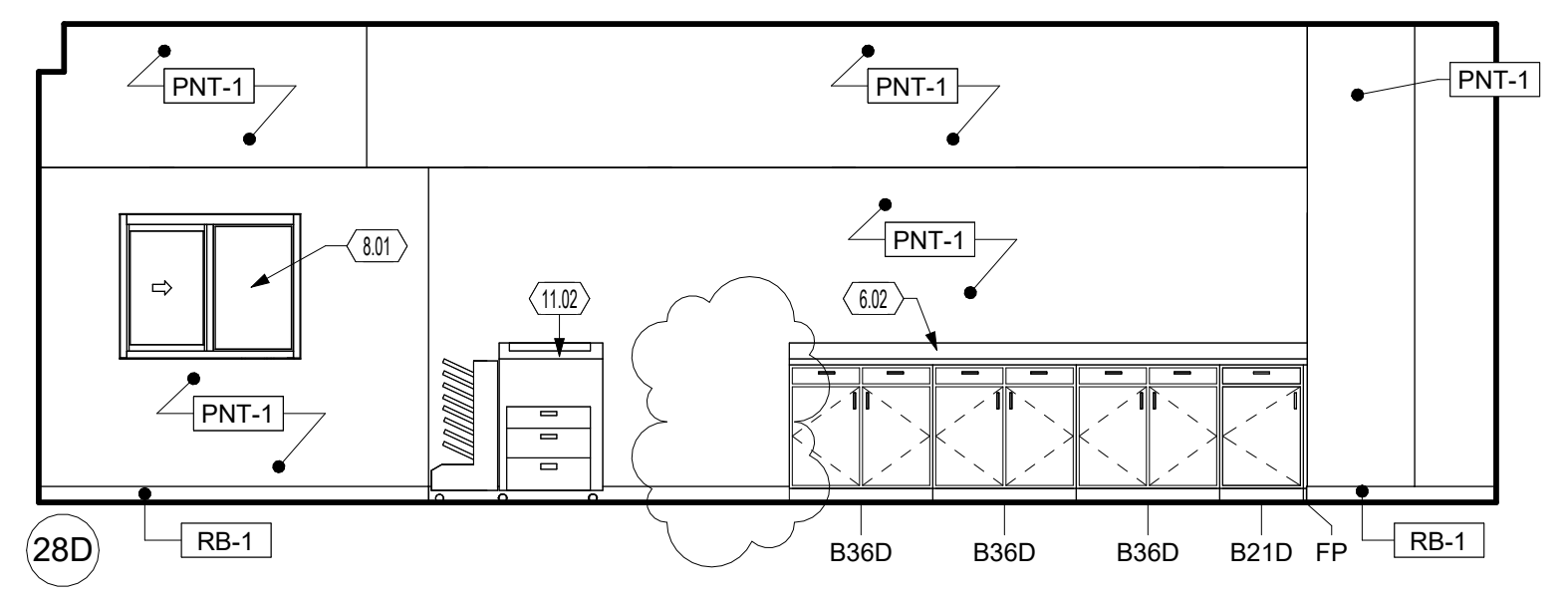
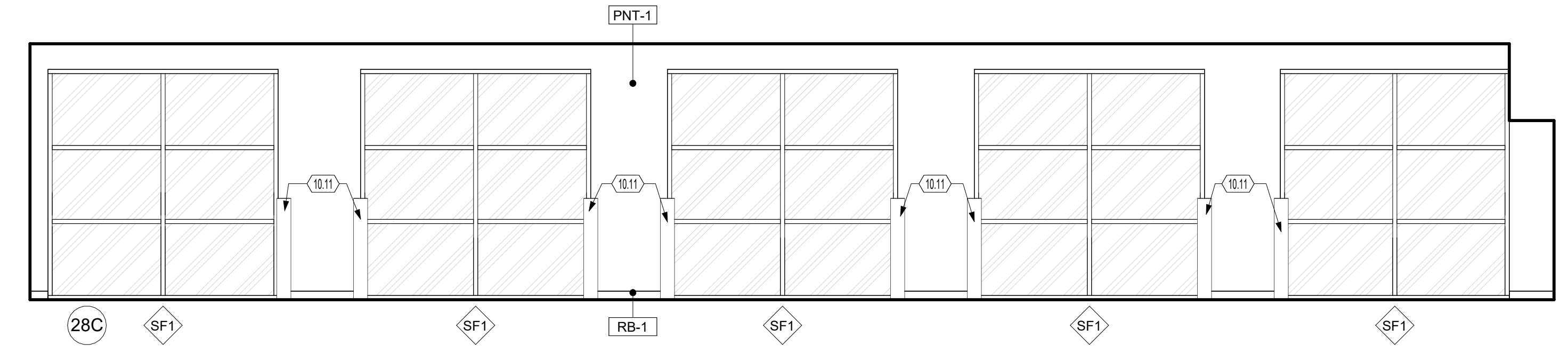
<p><b>WALL CABINETS</b></p> <p>W # X          W - MODIFIER          X - CABINET WIDTH (INCHES)          Y - CABINET HEIGHT (INCHES)          Z - CABINET TYPE</p>	<p><b>BASE CABINETS</b></p> <p>B # X          B - MODIFIER          X - CABINET WIDTH (INCHES)          Y - CABINET TYPE</p>
<p><b>CABINET TYPE</b></p> <p>W - WALL CABINET          B - BASE CABINET          TC - TALL CABINET          DB - DRAWER BASE          SB - SINK BASE</p>	<p><b>MODIFIER</b></p> <p>A - ADA HEIGHTS          D - WITH DRAWER          L - LOCKABLE          X - DATA CABINET</p>

**KEYNOTES**

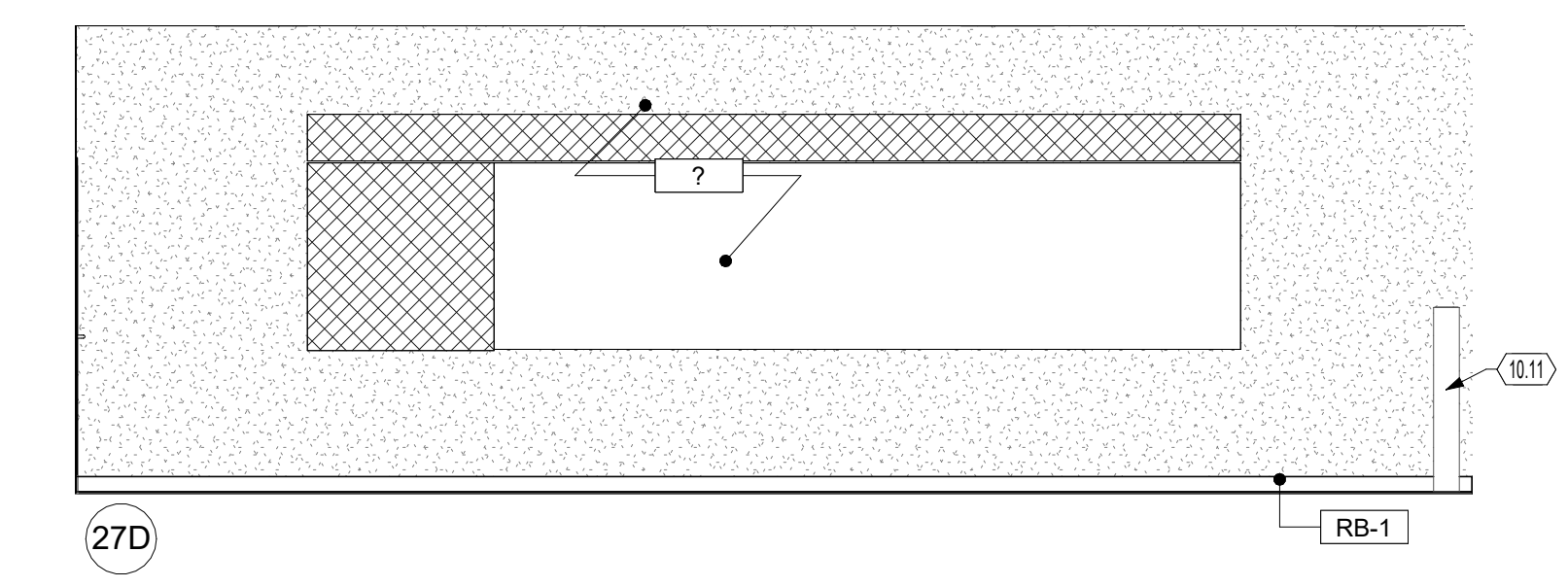
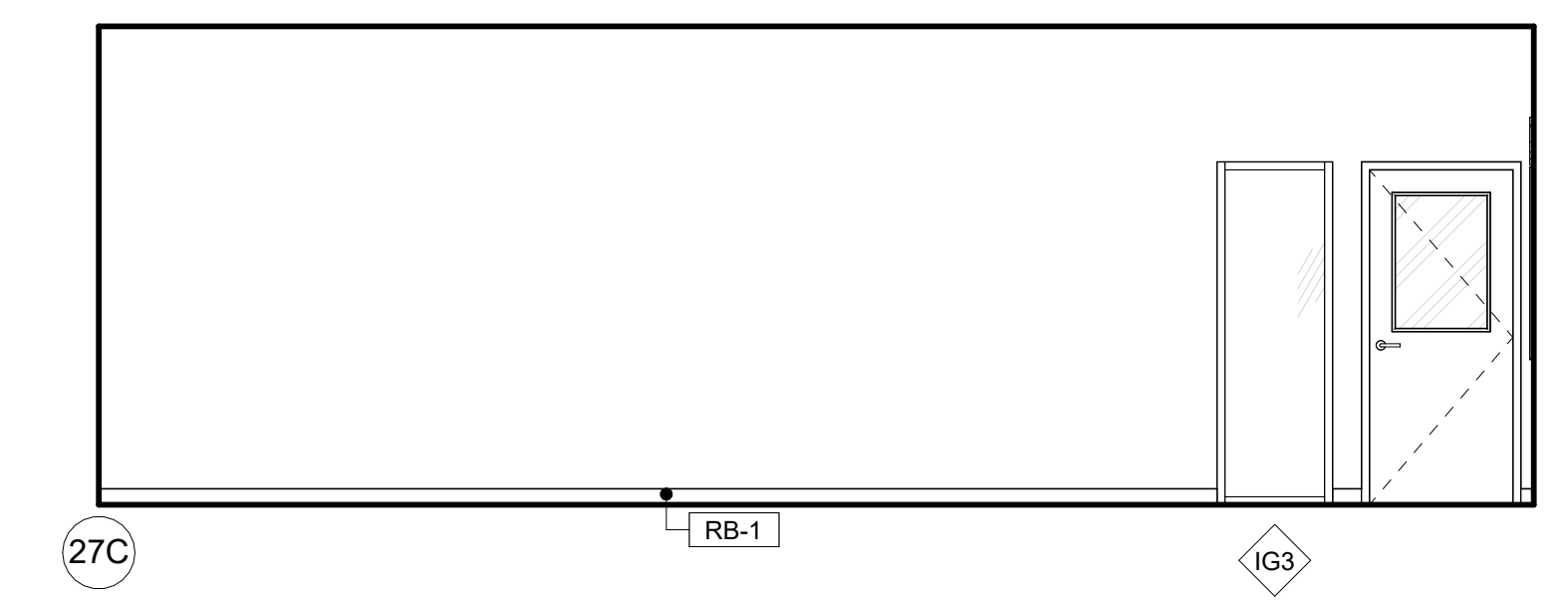
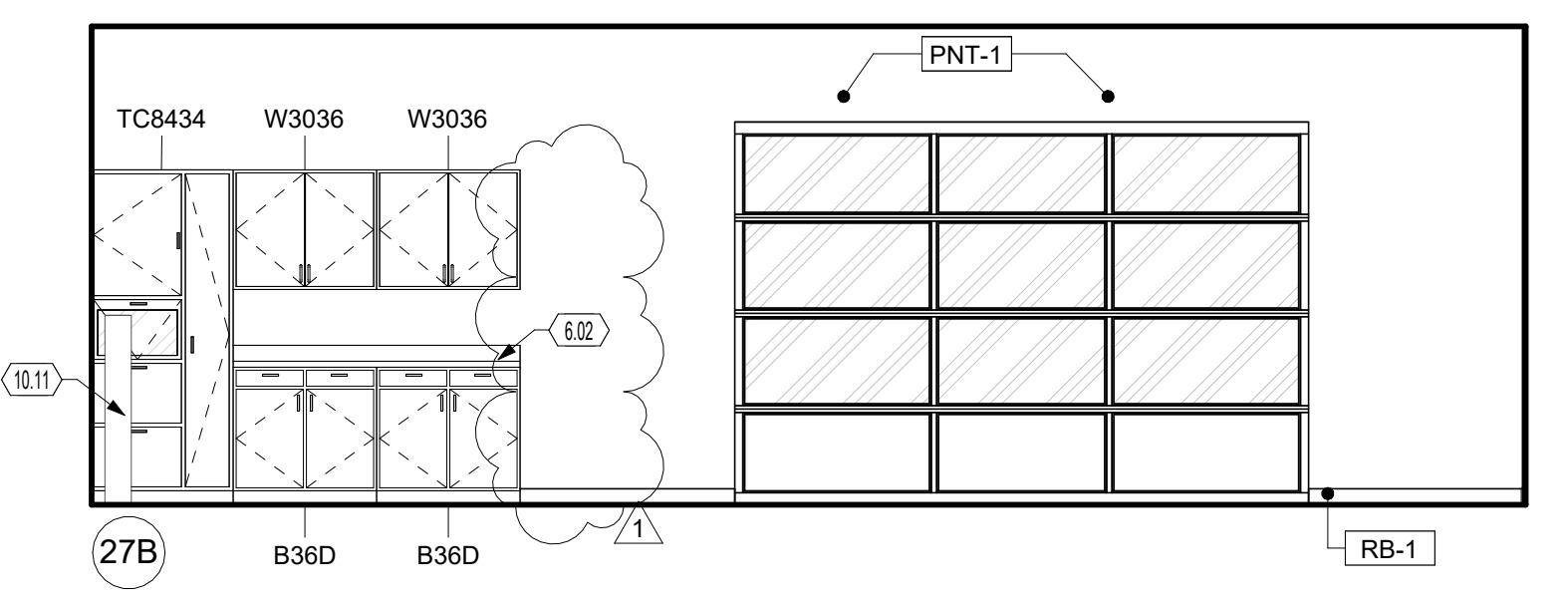
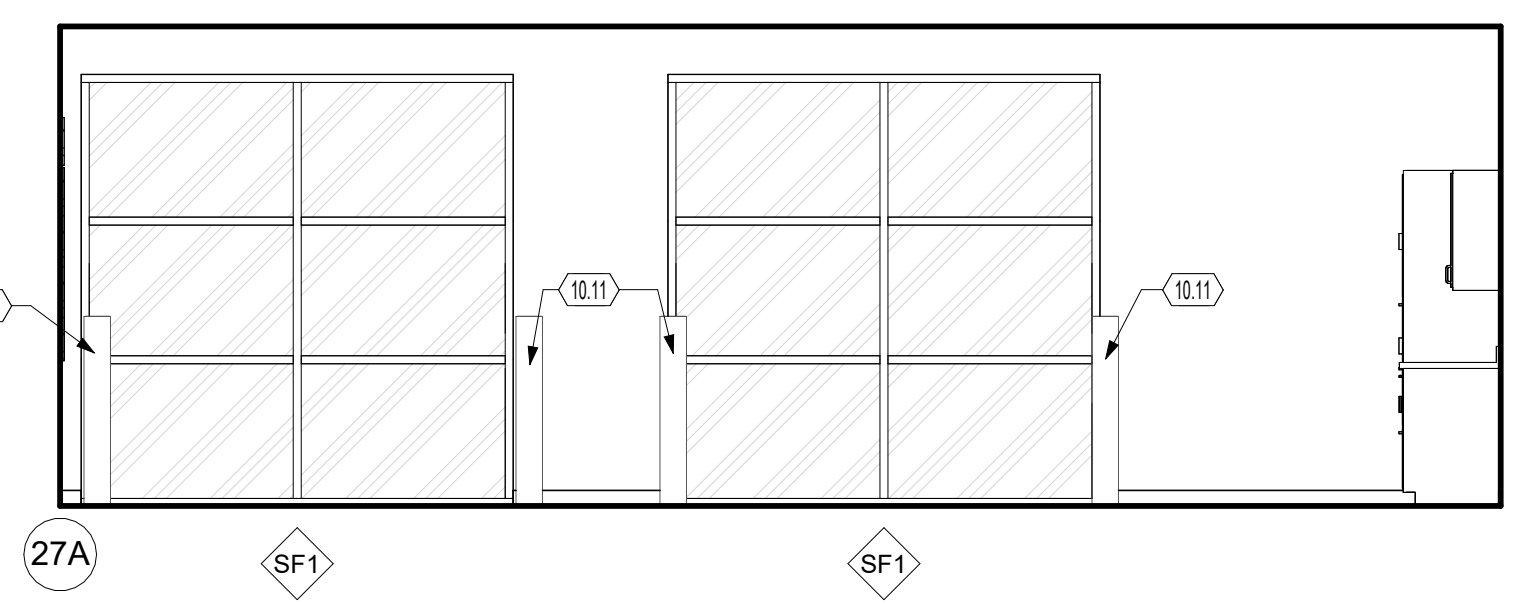
- |       |   |
|-------|---|
| 6.01  | STUDENT CUBBIES, SEE CASEWORK DETAILS   |
| 6.02  | SOLID SURFACE COUNTERTOP (SS-1)   |
| 6.10  | PROVIDE FINISHED END PANEL ON CASEWORK  |
| 8.01  | SLIDING TRANSACTION WINDOW  |
| 10.04 | MARKERBOARD/TACKBOARD COMBO - PROVIDE BLOCKING AS REQUIRED                          |
| 10.07 | PAPER TOWEL (FOLDED) DISPENSER  |
| 10.11 | EXISTING BOLLARD TO REMAIN TYP., PREP TO RECEIVE PAINT AS SCHEDULED                 |
| 10.13 | LIQUID SOAP DISPENSER PROVIDE BLOCKING AS REQUIRED                                  |
| 10.32 | FIRE EXTINGUISHER SEMI RECESSED CABINET   |
| 11.01 | REFRIGERATOR BY OTHERS. SEE ELECTRICAL AND PLUMBING DRAWINGS FOR OTHER REQUIREMENTS |
| 11.02 | PRINTER BY OTHERS. SEE ELECTRICAL AND PLUMBING DRAWINGS FOR OTHER REQUIREMENTS      |
| 22.01 | SINK FIXTURE. SEE PLUMBING DRAWINGS. (INSULATE PIPING BELOW)                        |



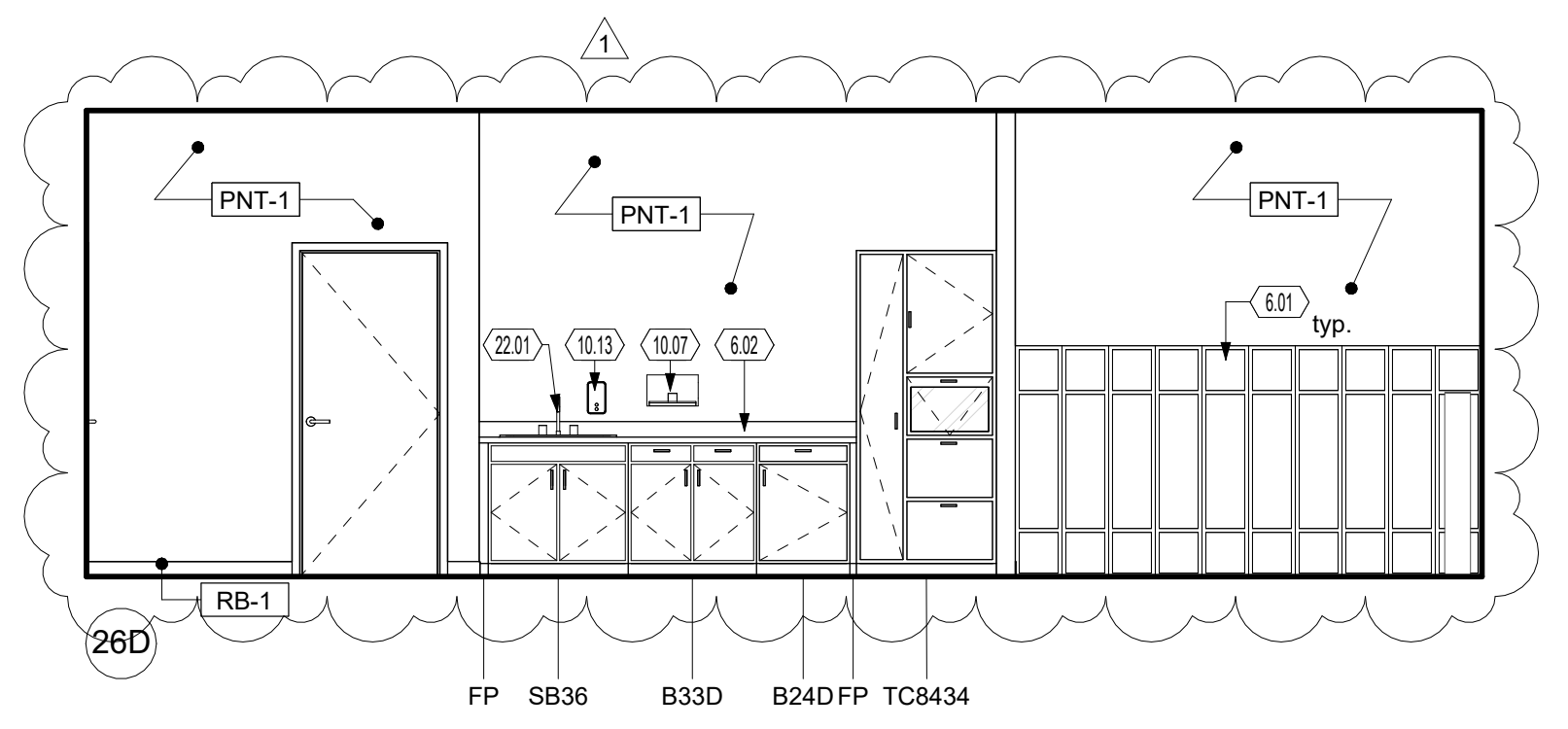
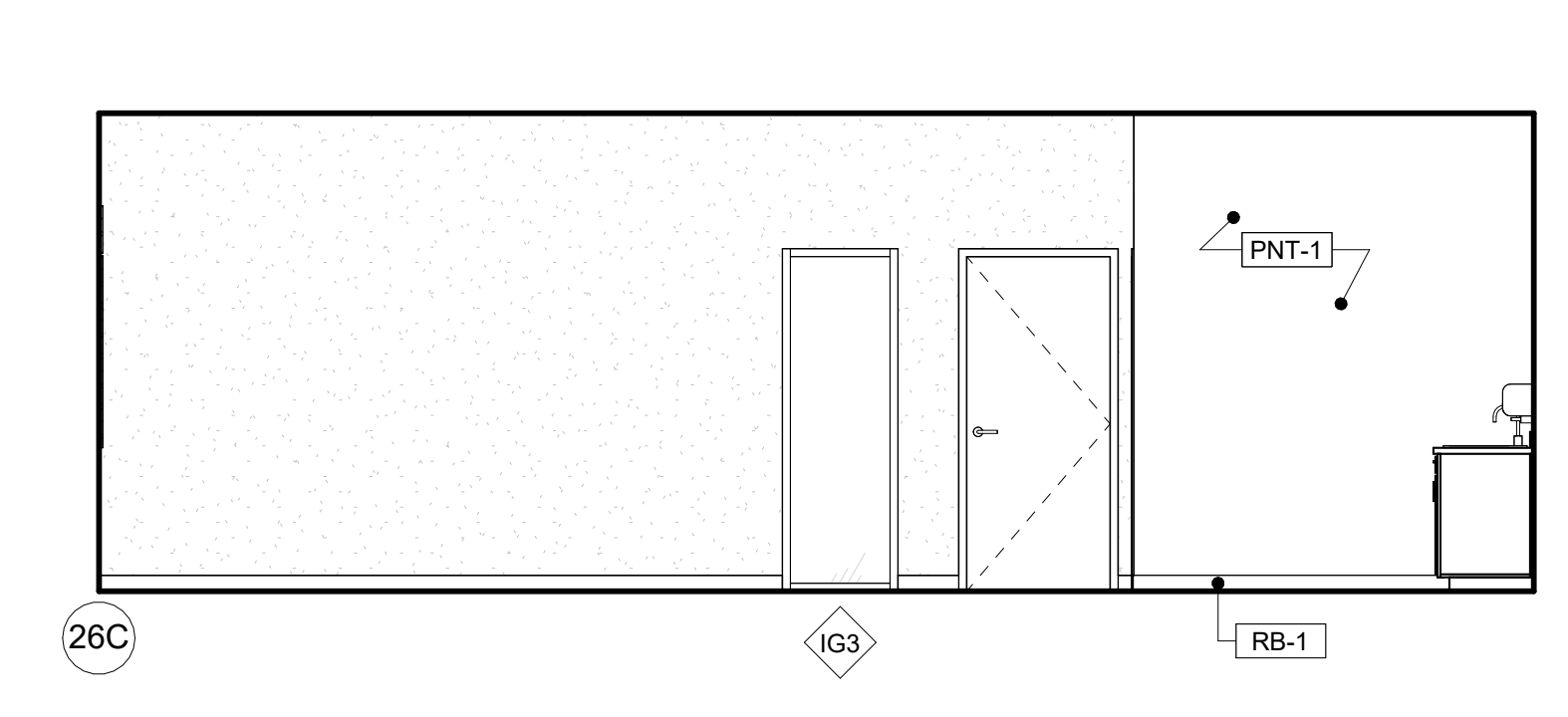
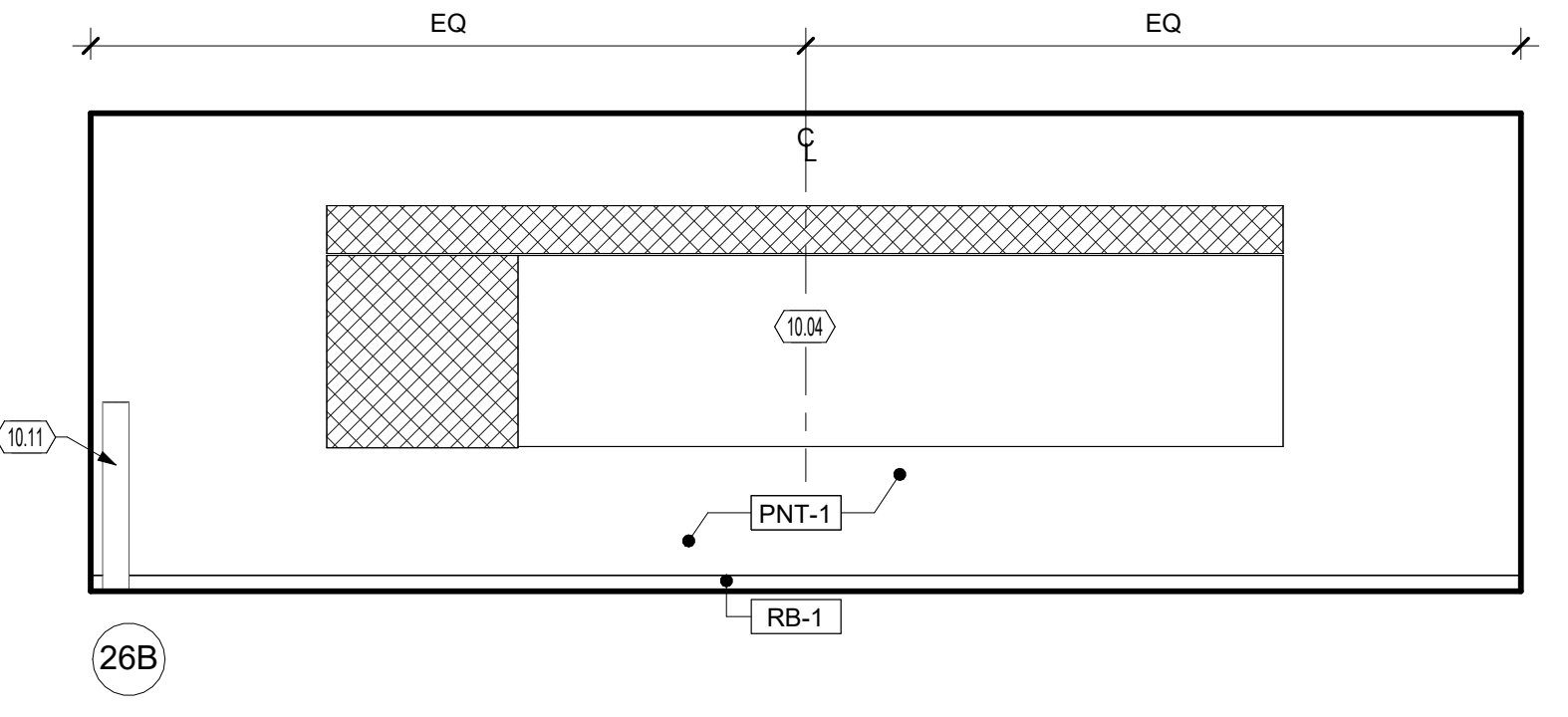
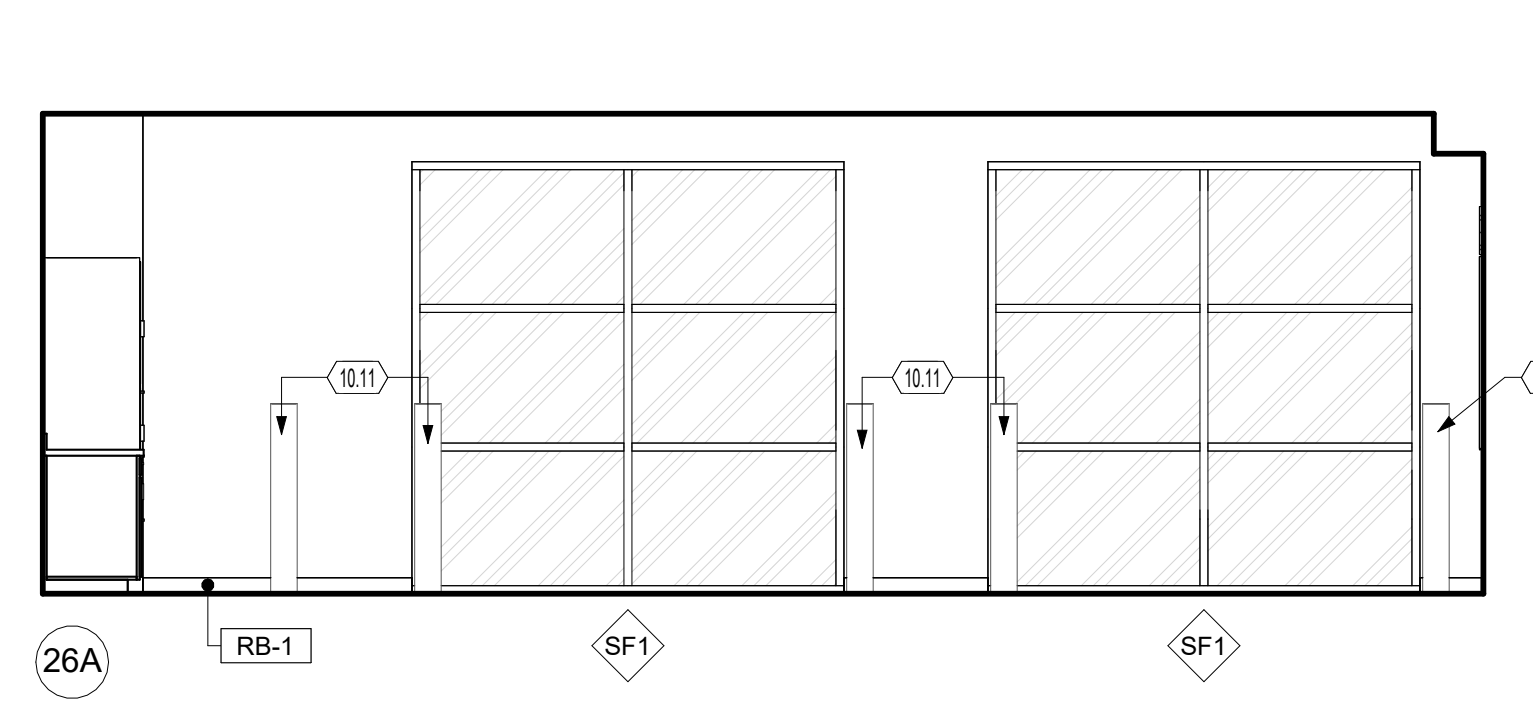
**30 LANDING ZONE 16 - EAST**  
SCALE | 1/4" = 1'-0"



**28 ADMIN.**  
SCALE | 1/4" = 1'-0"



**27 TYP. CLASSROOM**  
SCALE | 1/4" = 1'-0"



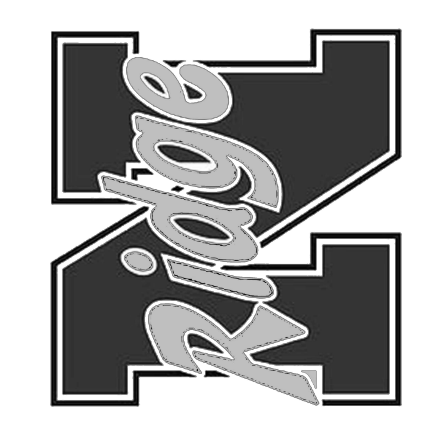
**26 TYP. PRESCHOOL CLASSROOM**  
SCALE | 1/4" = 1'-0"

REVISIONS	Number	Description	Date
	1	VE	

PRINTINGS	Permit Set	Date
		12.19.2022

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DAYTON, OH 45414



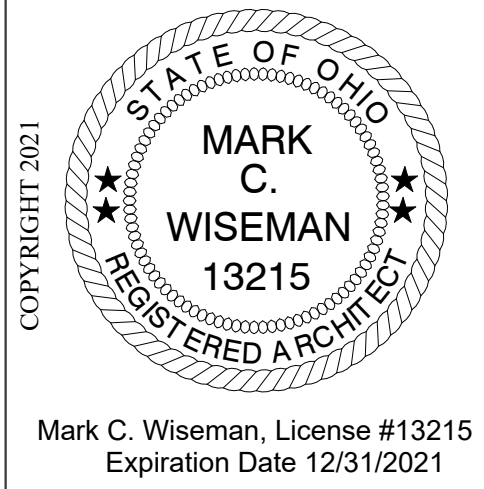
PROJECT NO: 223428.00  
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Levin Porter Architects Inc. 688 Levin Porter Architects



INTERIOR ELEVATIONS

**A-402**



REVISIONS:

Number	Description	Date
1	VE	

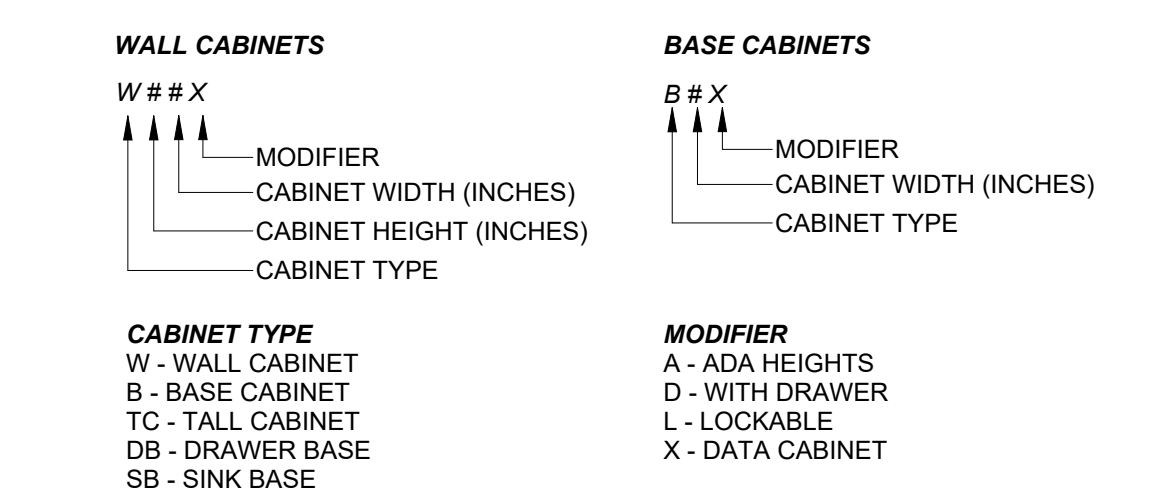
PRINTINGS:

Permit Set	Date
12.19.2022	

**GENERAL NOTES - ELEVATIONS**

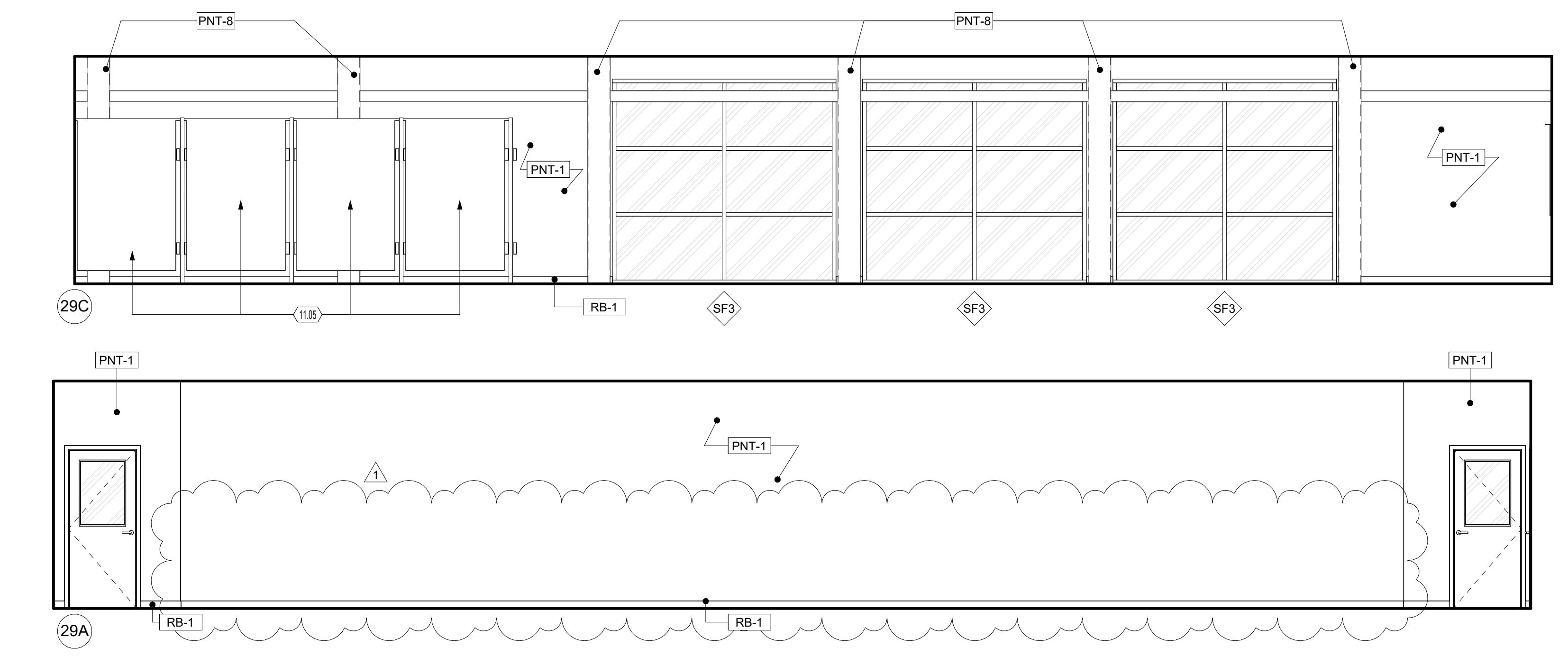
- A. SEE G-002 FOR TYPICAL FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND DIMENSIONS.
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**CASEWORK KEY**

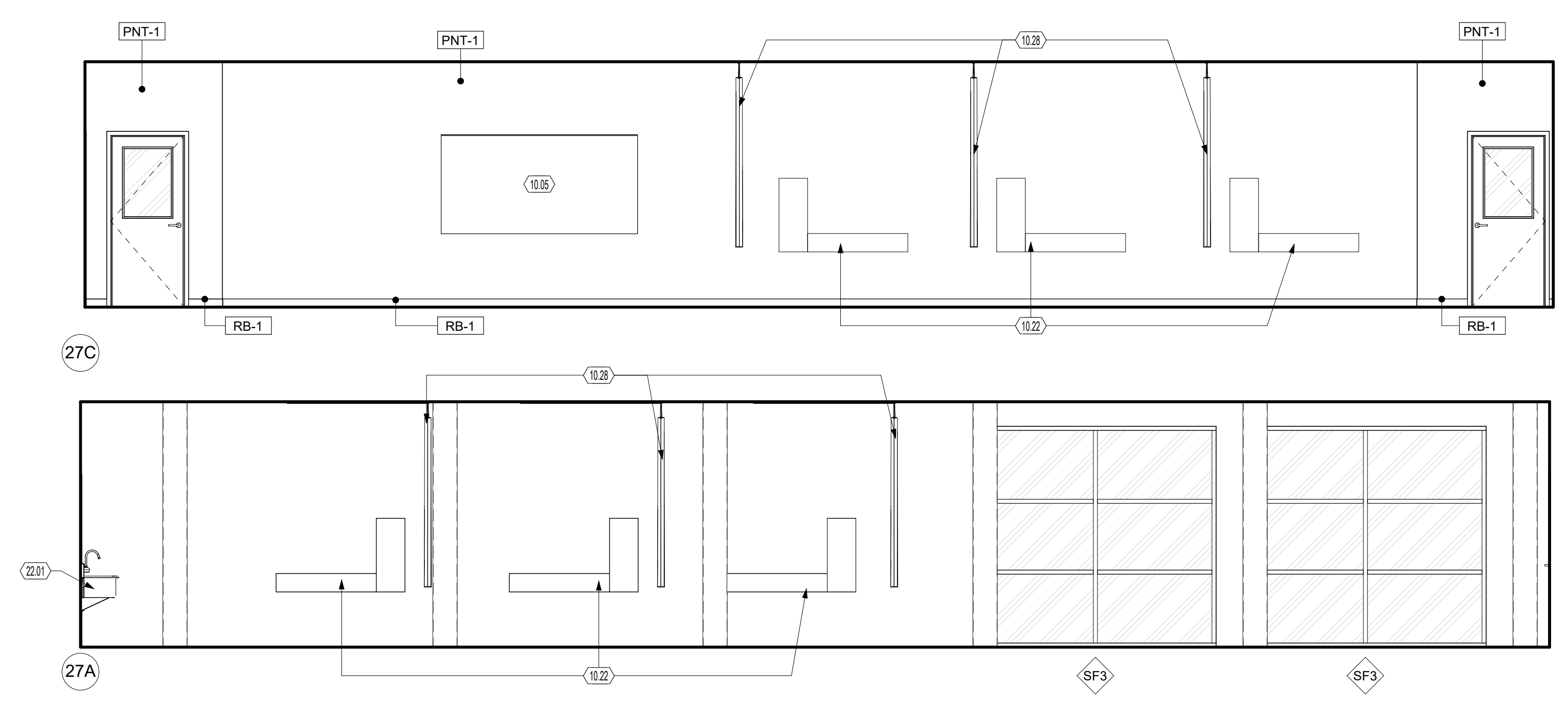


**KEYNOTES**

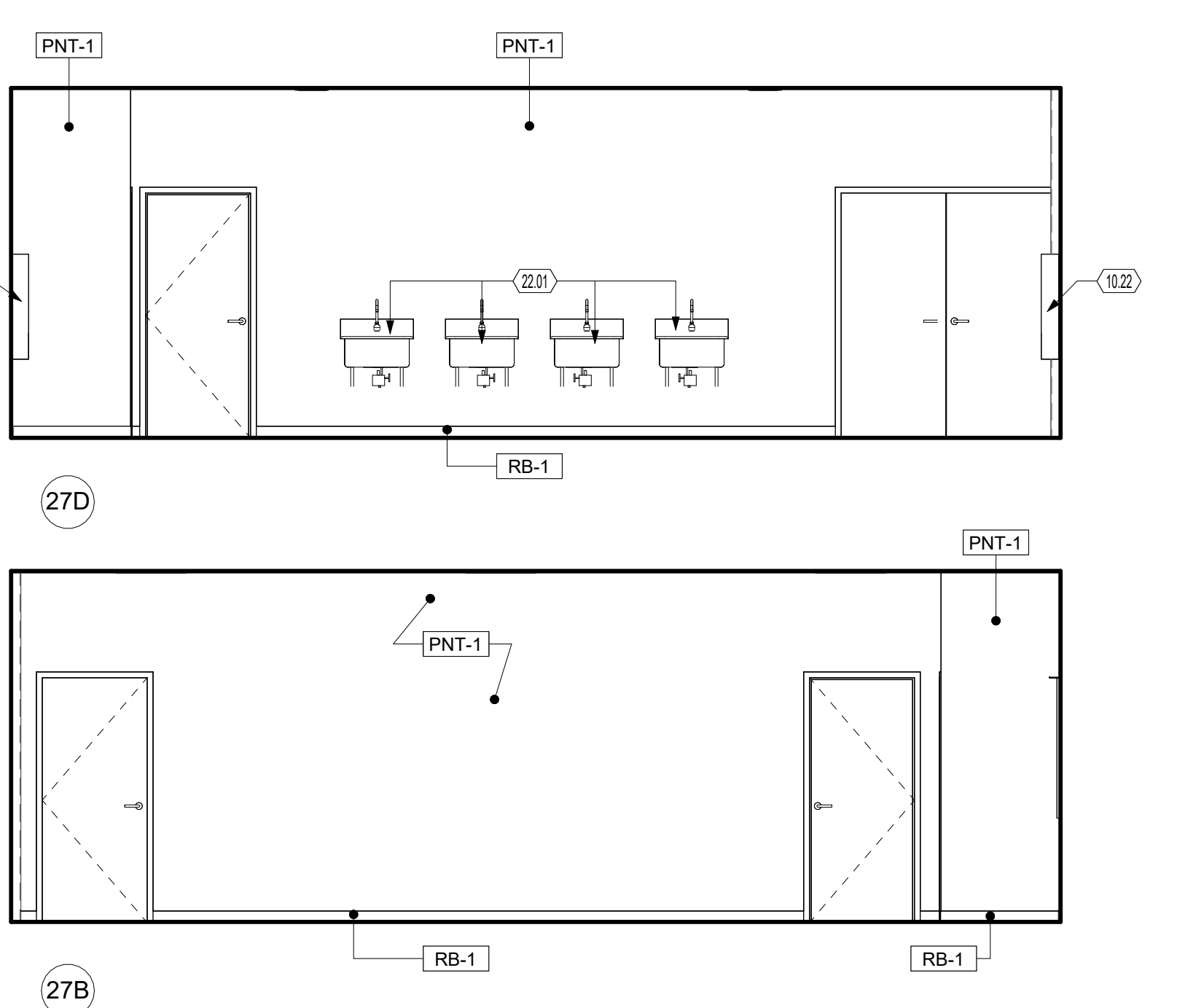
- 10.05 4'-0" X 8'-0" MARKERBOARD - PROVIDE BLOCKING AS REQUIRED
- 10.22 TRAINING HEAD WALL
- 10.27 LOCKER WITH PADLOCK HASP
- 10.28 CEILING MOUNTED MEDICAL CURTAIN
- 11.05 SELF CONTAINED WELDING BOOTH - CONTRACTOR PROVIDED CONTRACTOR INSTALLED
- 22.01 SINK FIXTURE. SEE PLUMBING DRAWINGS. (INSULATE PIPING BELOW)



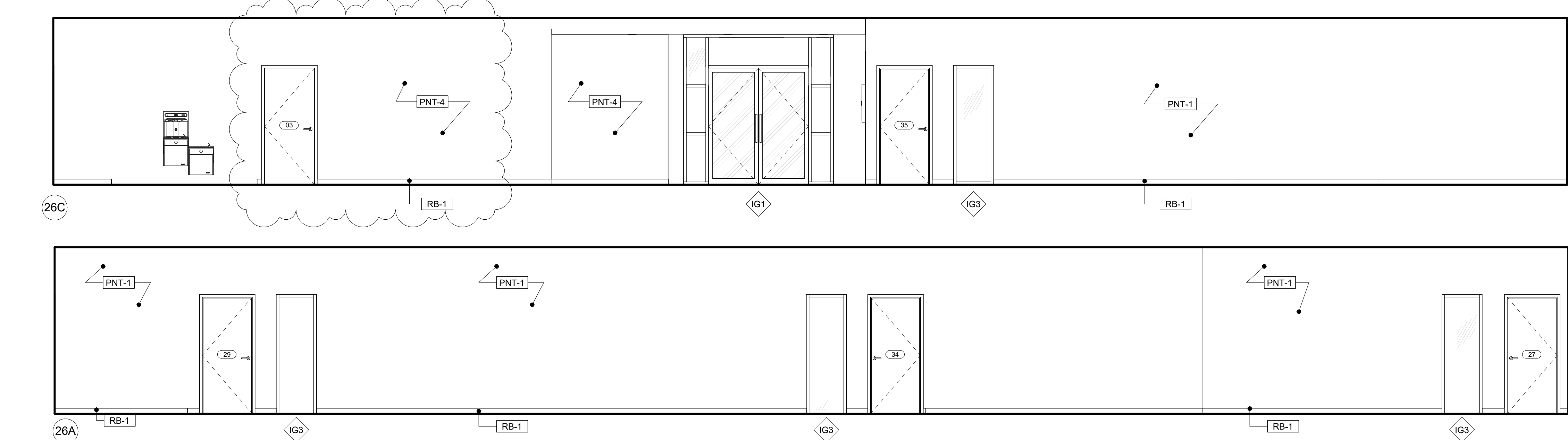
**29 ADVANCED MANUFACTURING**  
SCALE | 1/4" = 1'-0"



**27 ALLIED HEALTH**  
SCALE | 1/4" = 1'-0"



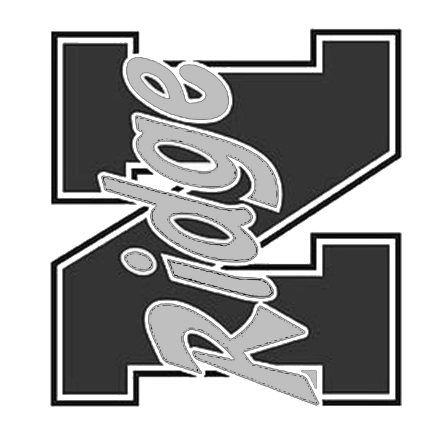
**7 ALLIED HEALTH - CHANGING**  
SCALE | 1/4" = 1'-0"



**26 CIRCULATION C01**  
SCALE | 1/4" = 1'-0"

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DAYTON, OH 45414



PROJECT NO: 223428.00  
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INTERIOR ELEVATIONS

**A-403**





Mark C. Wiseman, License #13215  
Expiration Date 12/31/2021

**GENERAL NOTES - ELEVATIONS**

- A. SEE G-002 FOR TYPICAL FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND DIMENSIONS.
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**CASEWORK KEY**

**WALL CABINETS**  
W # # X  
↑↑↑ MODIFIER  
CABINET WIDTH (INCHES)  
CABINET HEIGHT (INCHES)  
CABINET TYPE

**BASE CABINETS**  
B # # X  
↑↑↑ MODIFIER  
CABINET WIDTH (INCHES)  
CABINET TYPE

**CABINET TYPE**  
W - WALL CABINET  
B - BASE CABINET  
T - TALL CABINET  
DB - DRAWER BASE  
SB - SINK BASE

**MODIFIER**  
A - ADA HEIGHTS  
D - WITH DRAWER  
L - LOCKABLE  
X - DATA CABINET

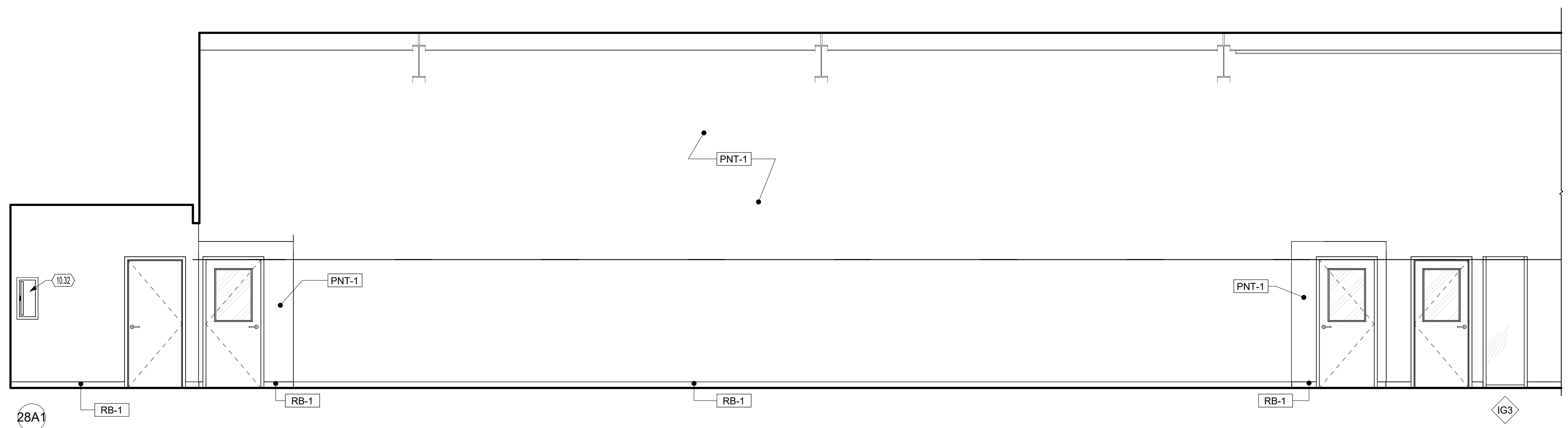
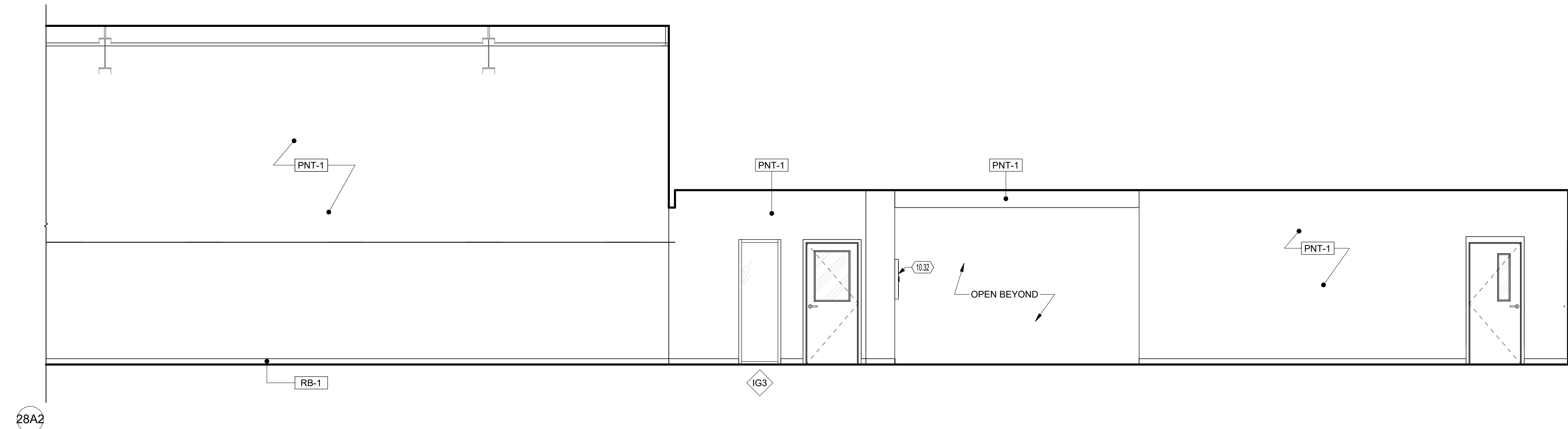
**KEYNOTES**

10.32 FIRE EXTINGUISHER SEMI RECESSED CABINET

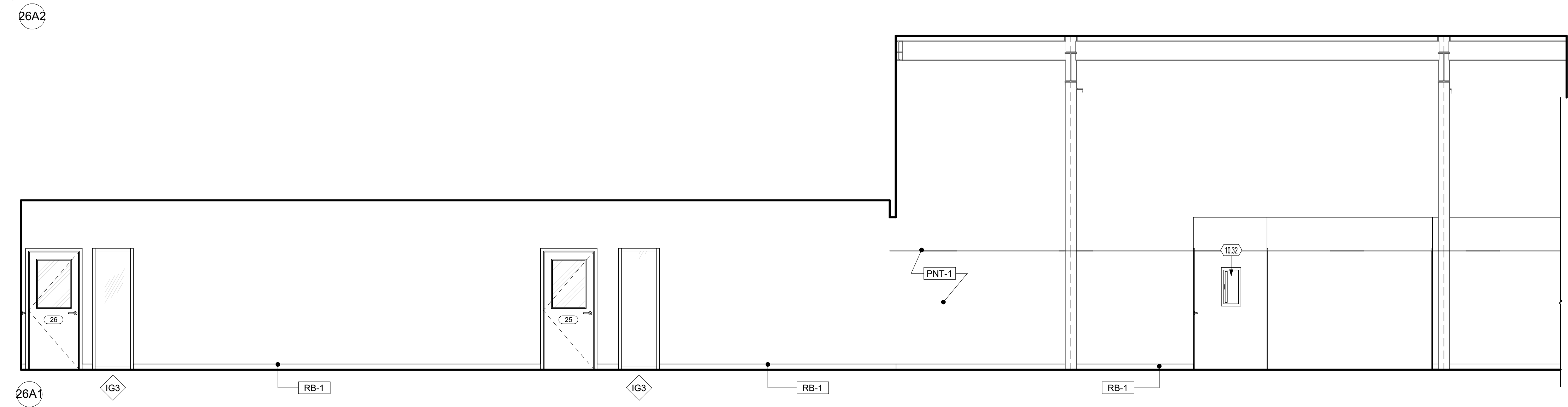
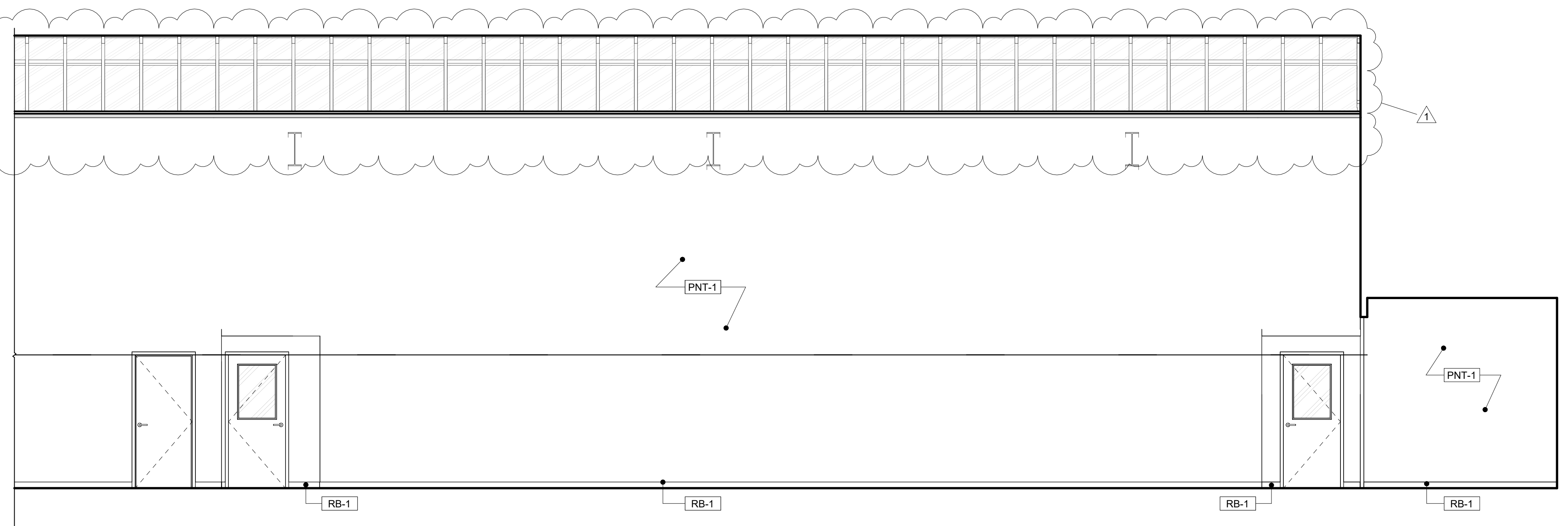
REVISIONS	Number	Description	Date
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PRINTINGS	Permit Set	Date
		12.19.2022



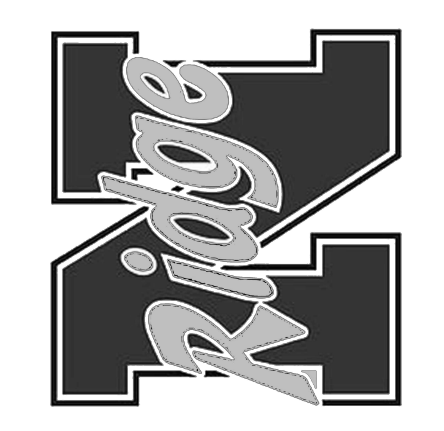
**28 CIRCULATION C02 - SOUTH**  
SCALE | 1/4" = 1'-0"



**26 CIRCULATION C02 - NORTH**  
SCALE | 1/4" = 1'-0"

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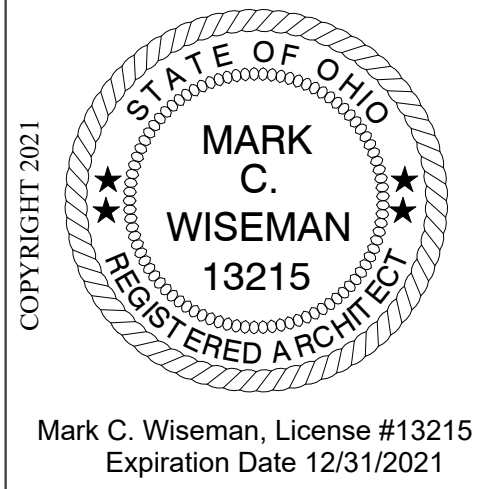


INTERIOR ELEVATIONS

**A-404**

12/19/2022 10:13:59 AM

- KEYNOTES**
- 3.10 TURNDOWN SLAB
  - 3.11 CONCRETE RAMP
  - 3.12 CONCRETE FOUNDATION WALL AND FOOTING - SEE STRUCTURAL DRAWINGS
  - 5.15 METAL HAND RAIL



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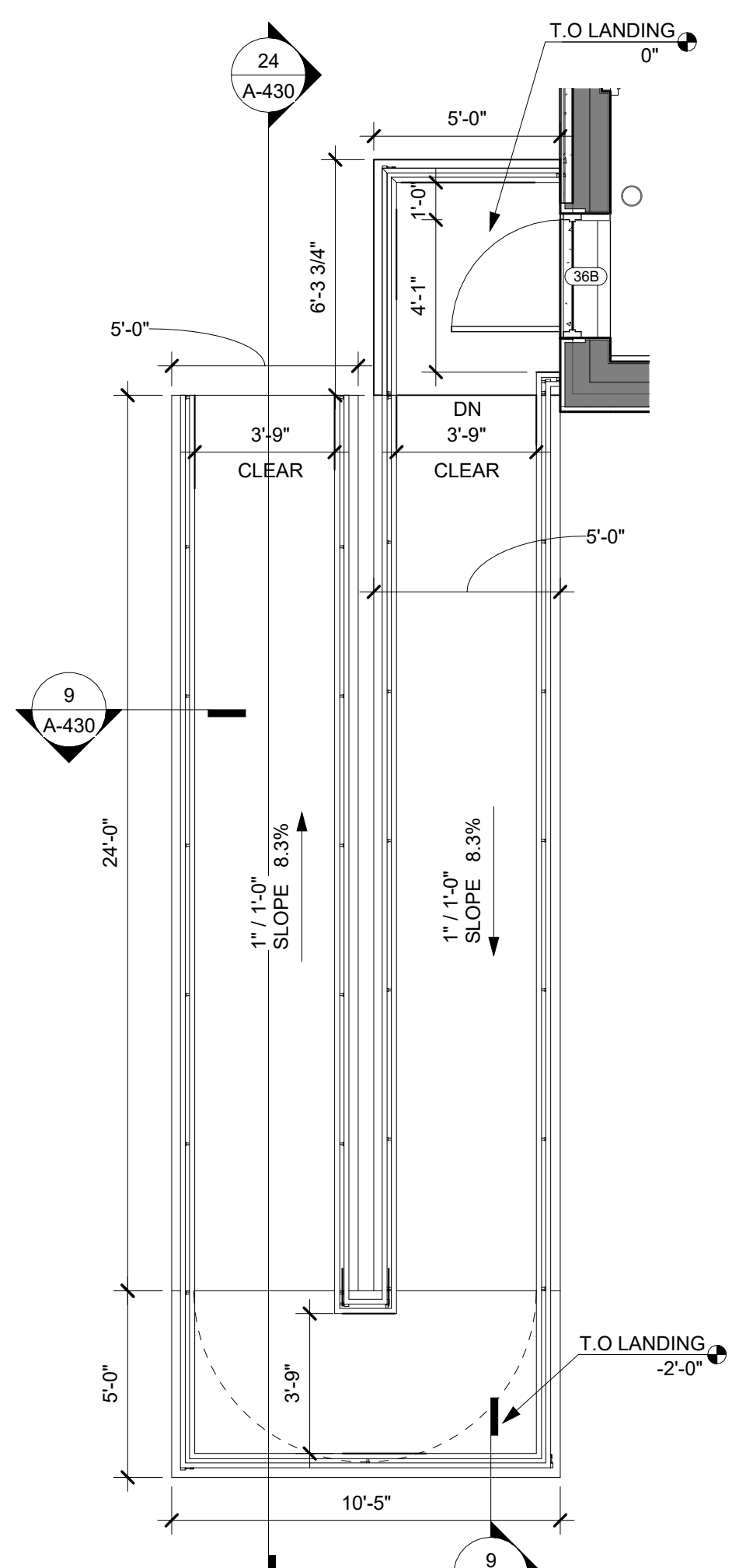
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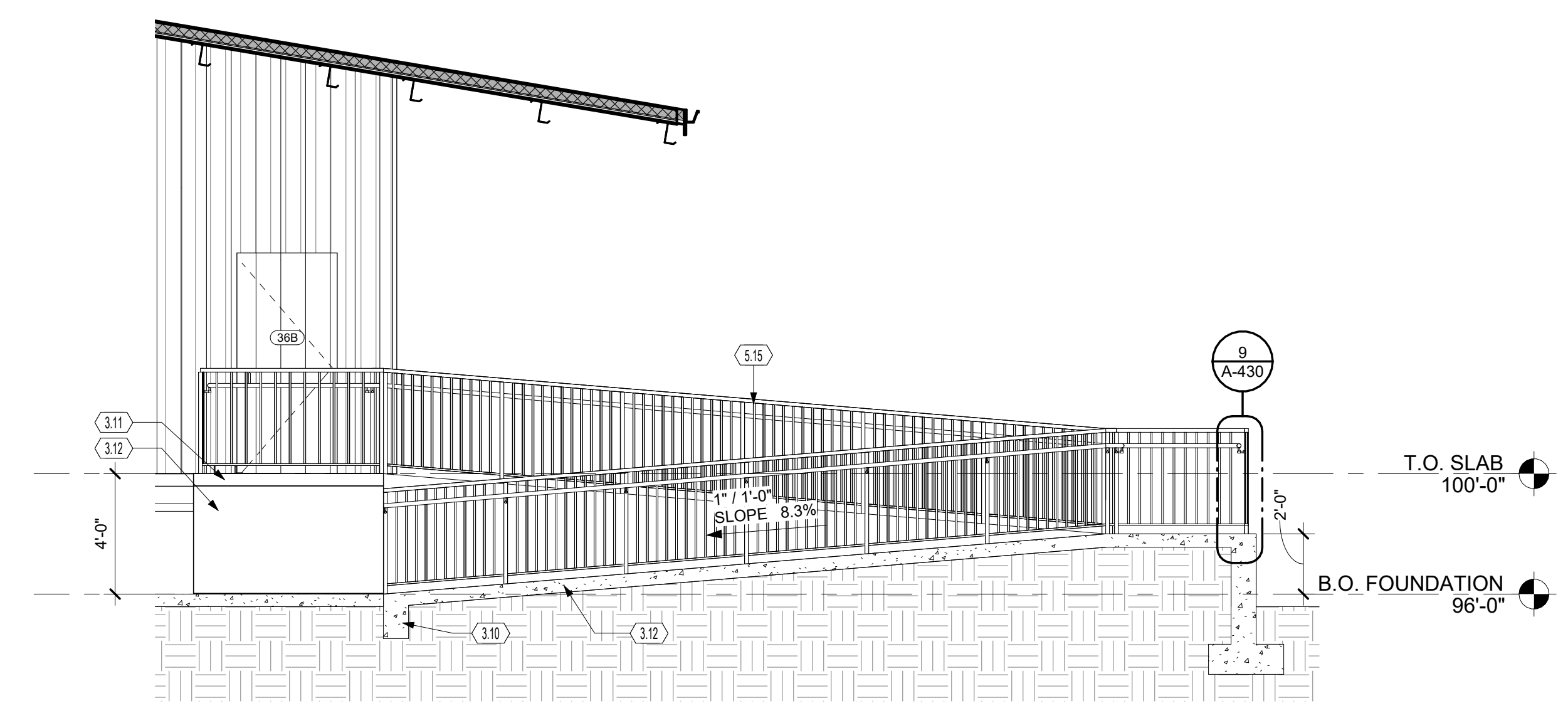


STAIR PLANS AND DETAILS

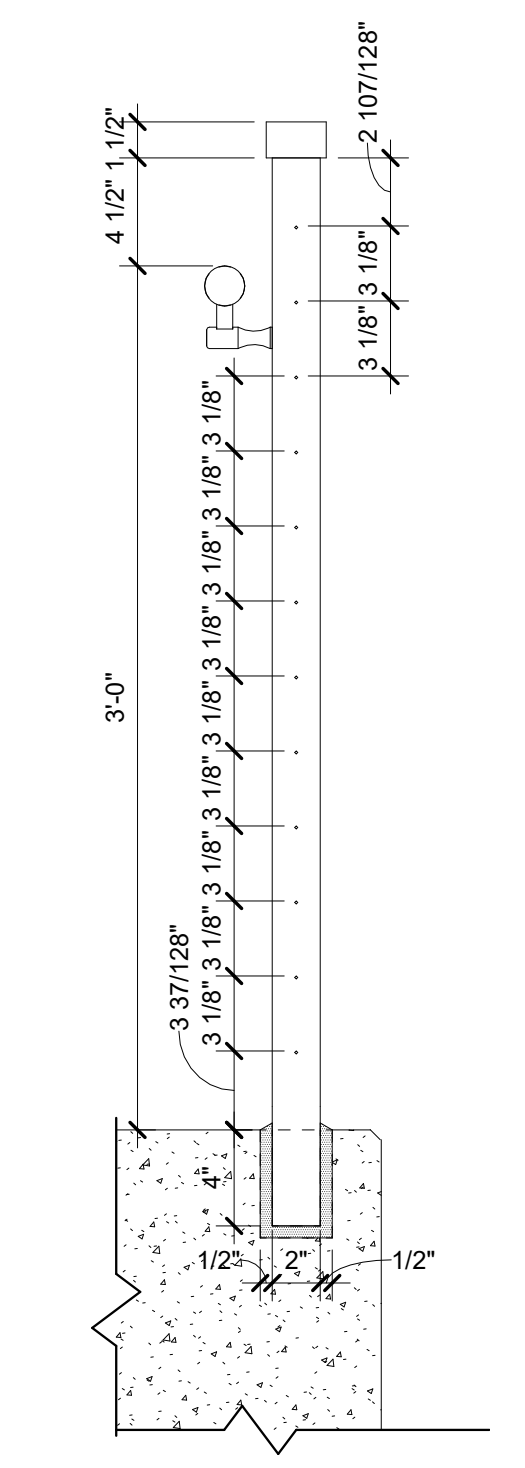
**A-430**



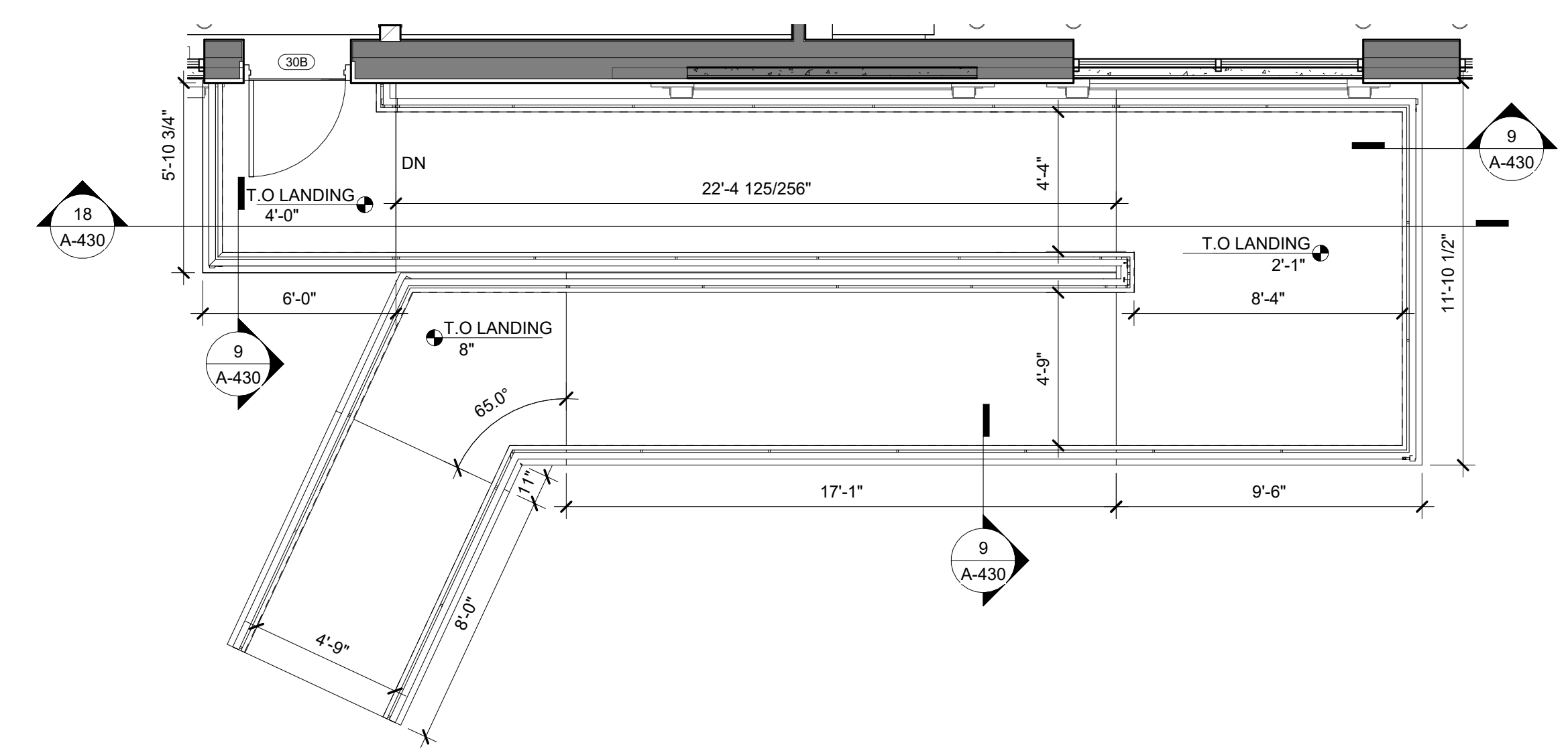
**29 RAMP 36B PLAN**  
SCALE | 1/4" = 1'-0"



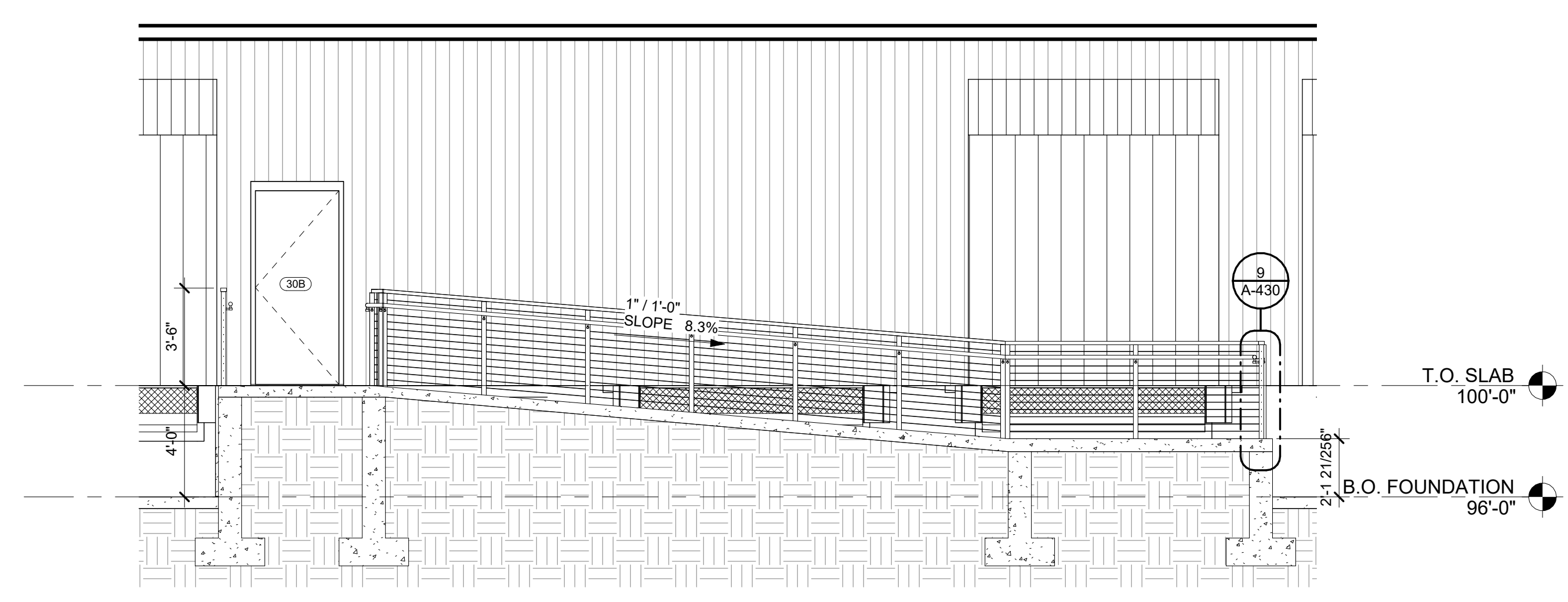
**24 RAMP 36B SECTION**  
SCALE | 1/4" = 1'-0"



**9 RAILING DETAIL**  
SCALE | 1 1/2" = 1'-0"



**28 RAMP 30B PLAN**  
SCALE | 1/4" = 1'-0"



**18 RAMP 30B SECTION**  
SCALE | 1/4" = 1'-0"



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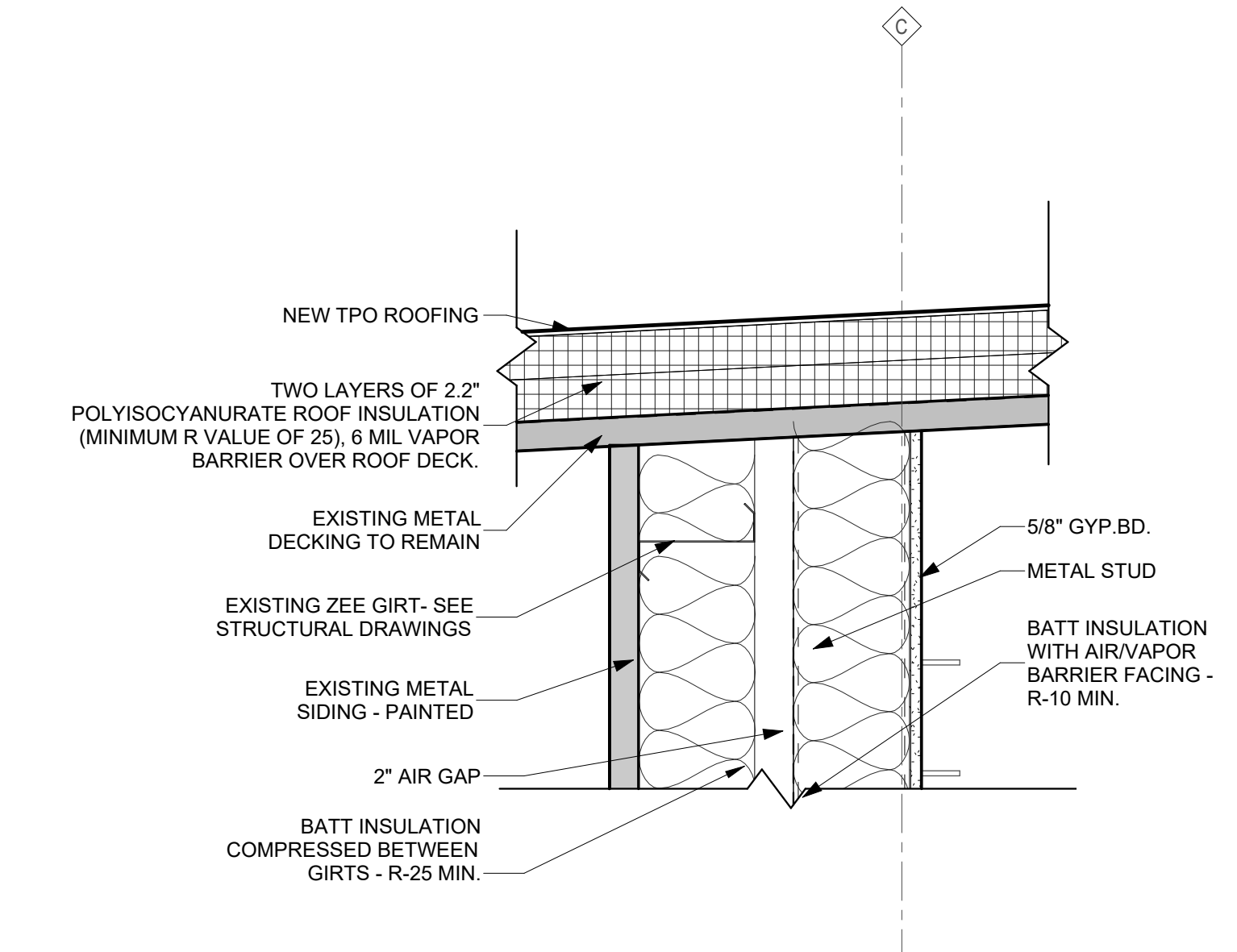
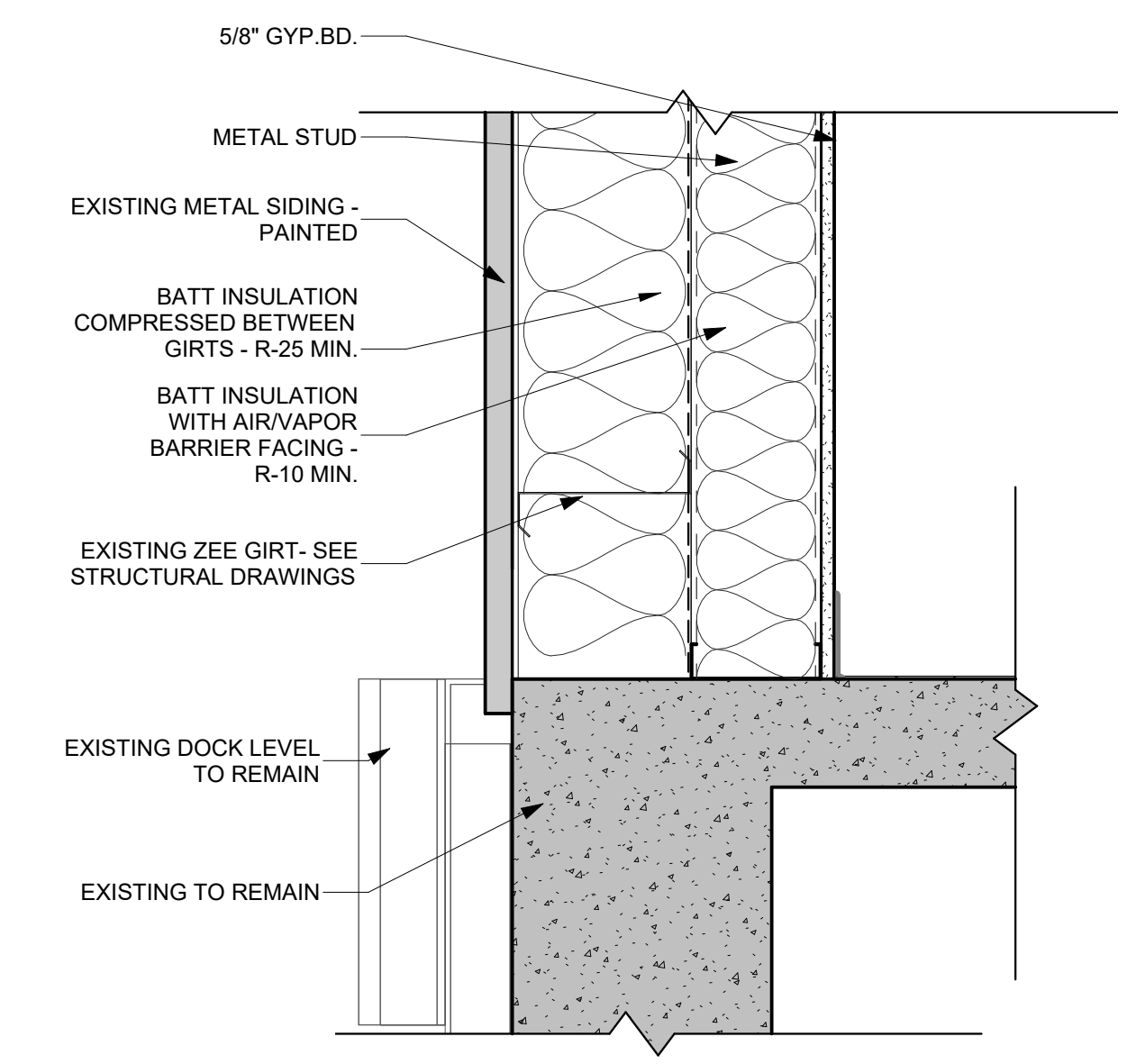


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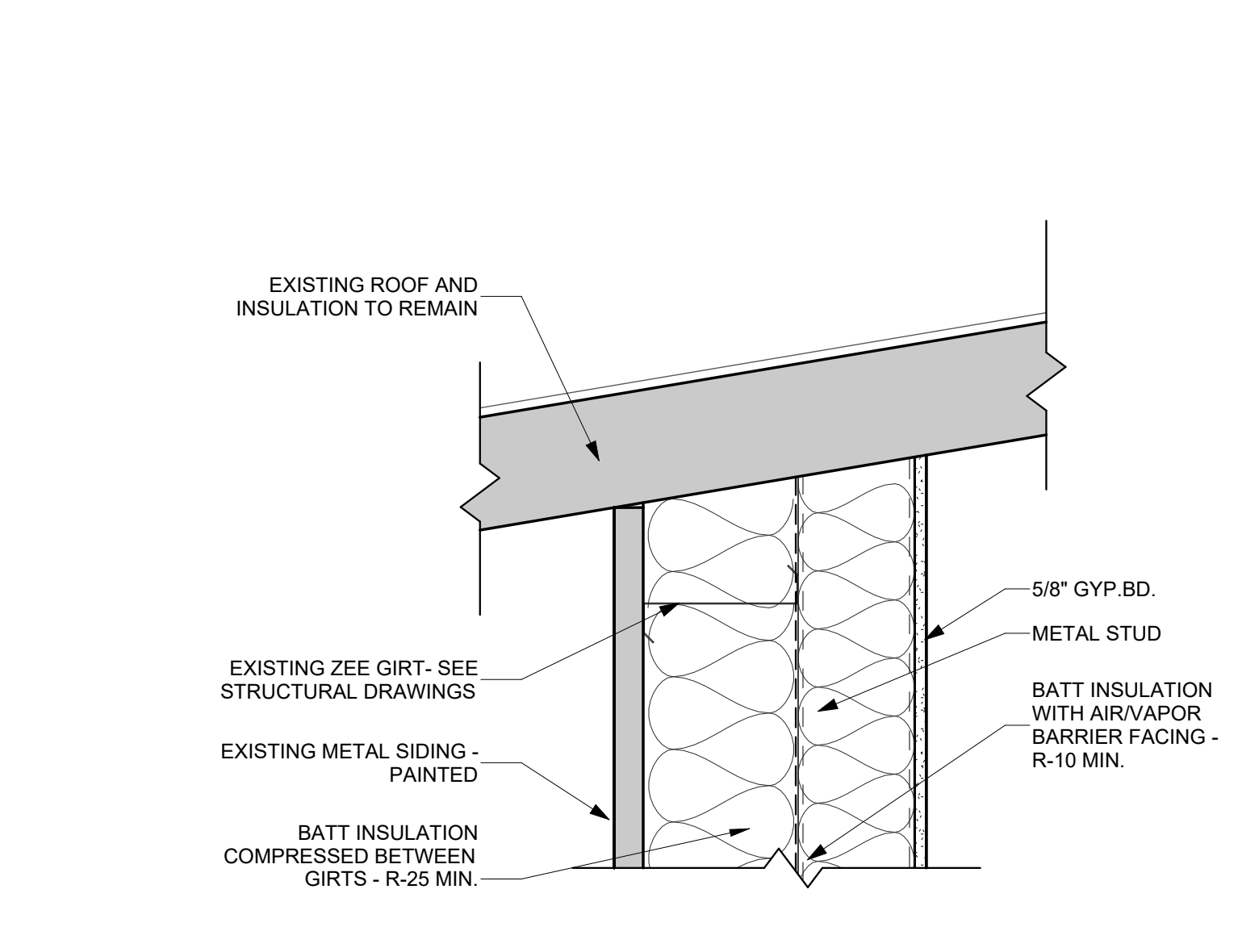
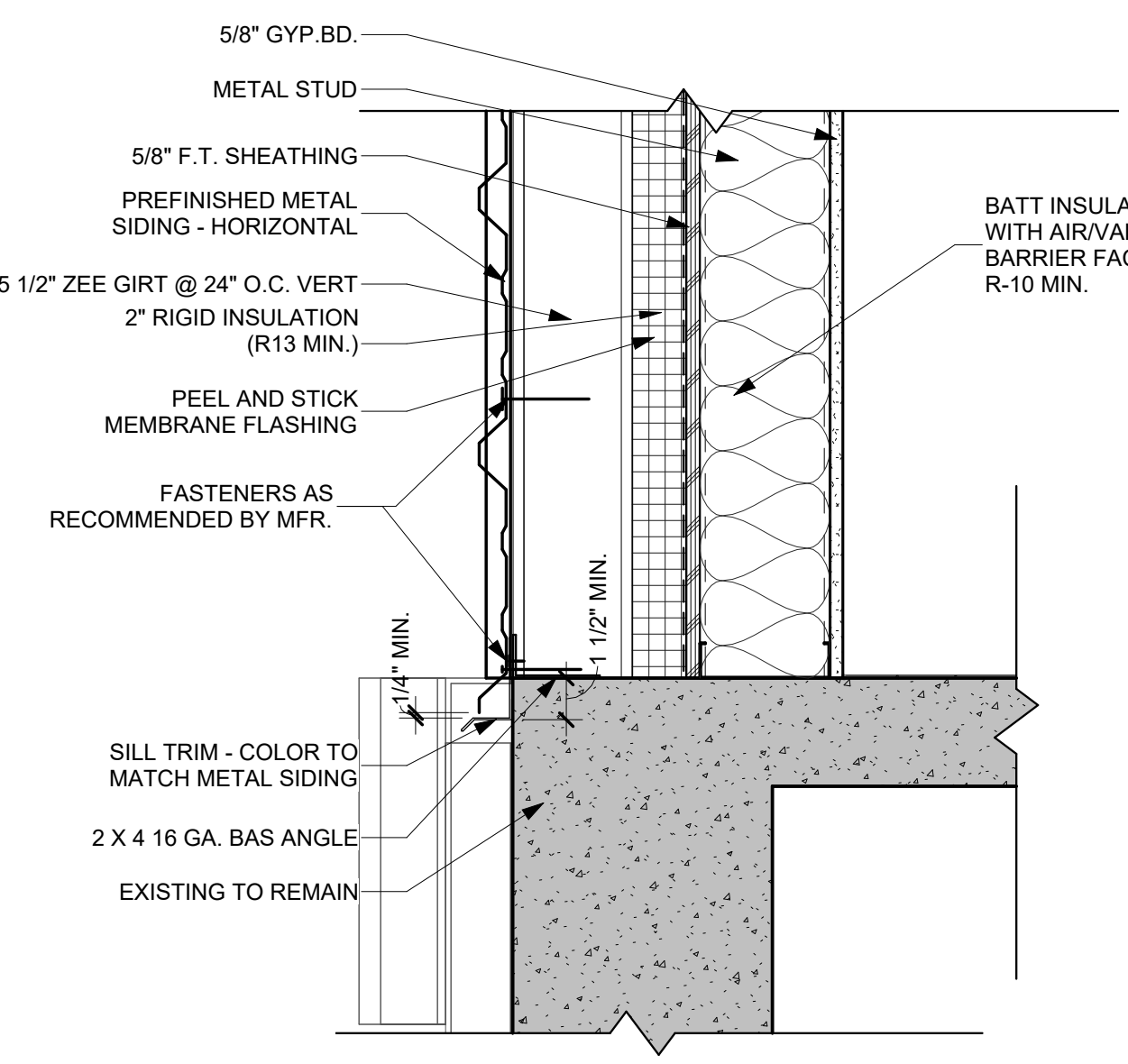


EXTERIOR  
 DETAILS  
**A-501**



**27 METAL PANEL @ CONCRETE VERT.**  
 SCALE | 1 1/2" = 1'-0"

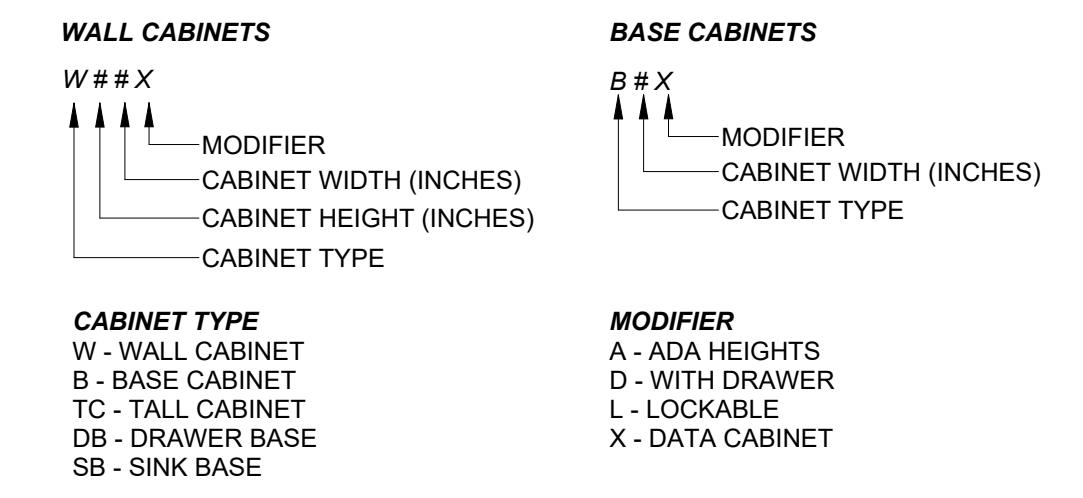
**22 METAL PANEL @ NEW ROOF**  
 SCALE | 1 1/2" = 1'-0"



**26 METAL PANEL @ CONCRETE HORIZ.**  
 SCALE | 1 1/2" = 1'-0"

**21 METAL PANEL @ EXISTING ROOF**  
 SCALE | 1 1/2" = 1'-0"

**CASEWORK KEY**



Mark C. Wiseman, License #13215  
Expiration Date 12/31/2021

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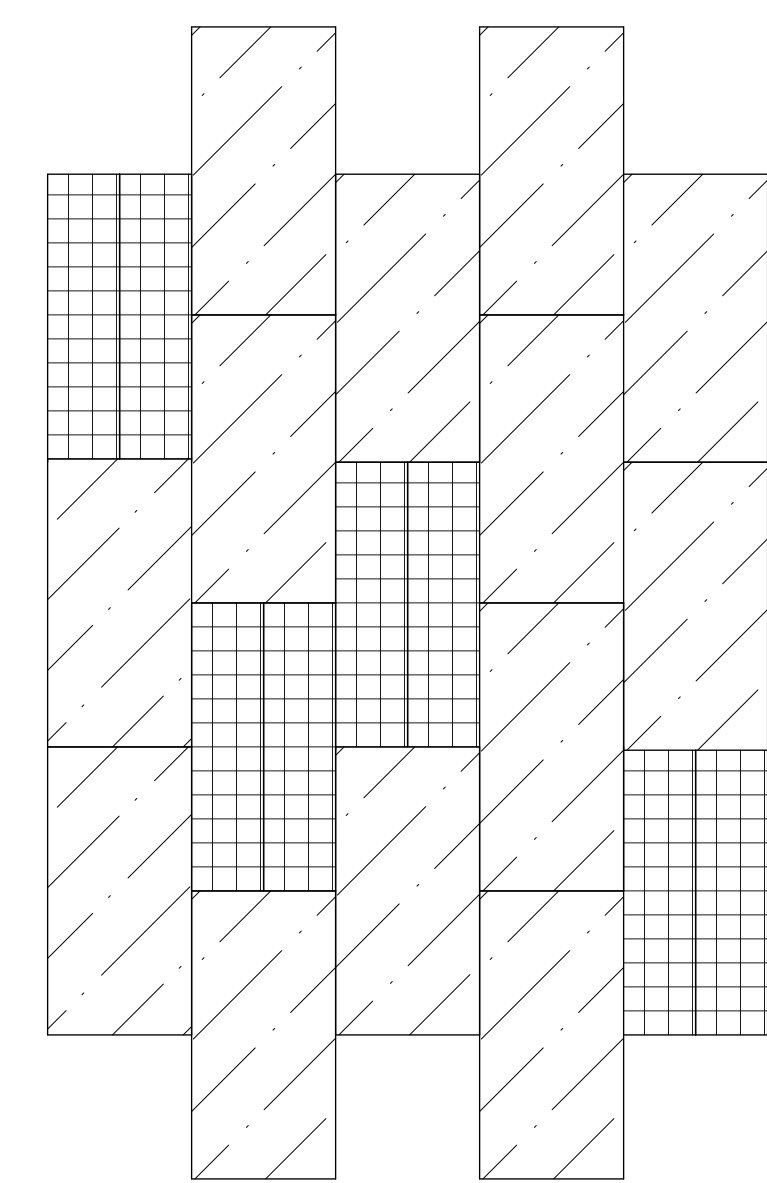
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CHECKED BY: Checker  
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3011 DELUMARK DRIVE  
MARIETTA, OHIO 45734  
O: 637.224.1931  
F: 637.224.3031  
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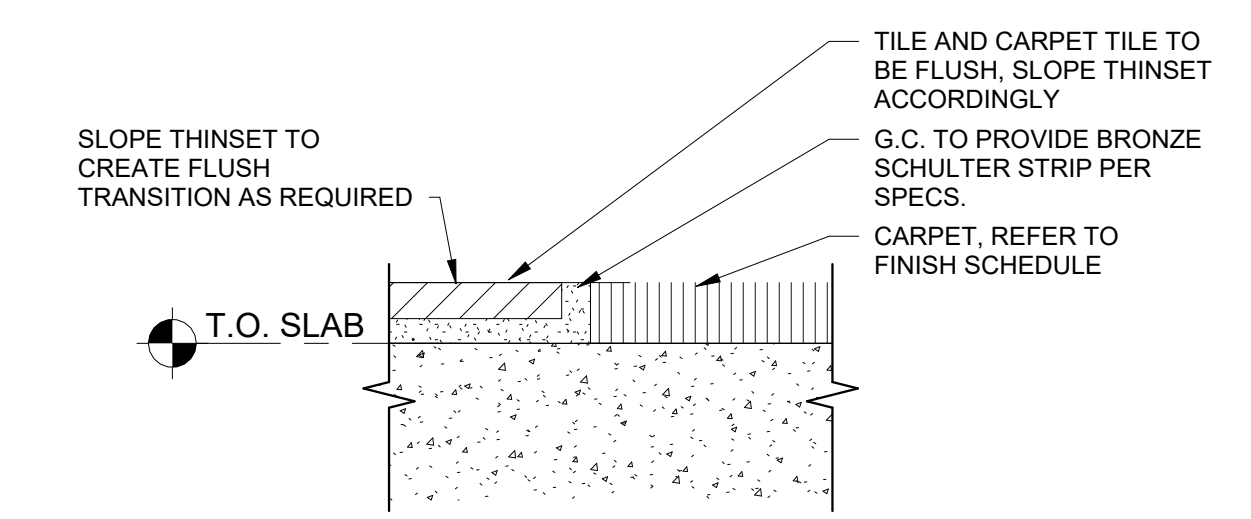


INTERIOR & CASEWORK DETAILS

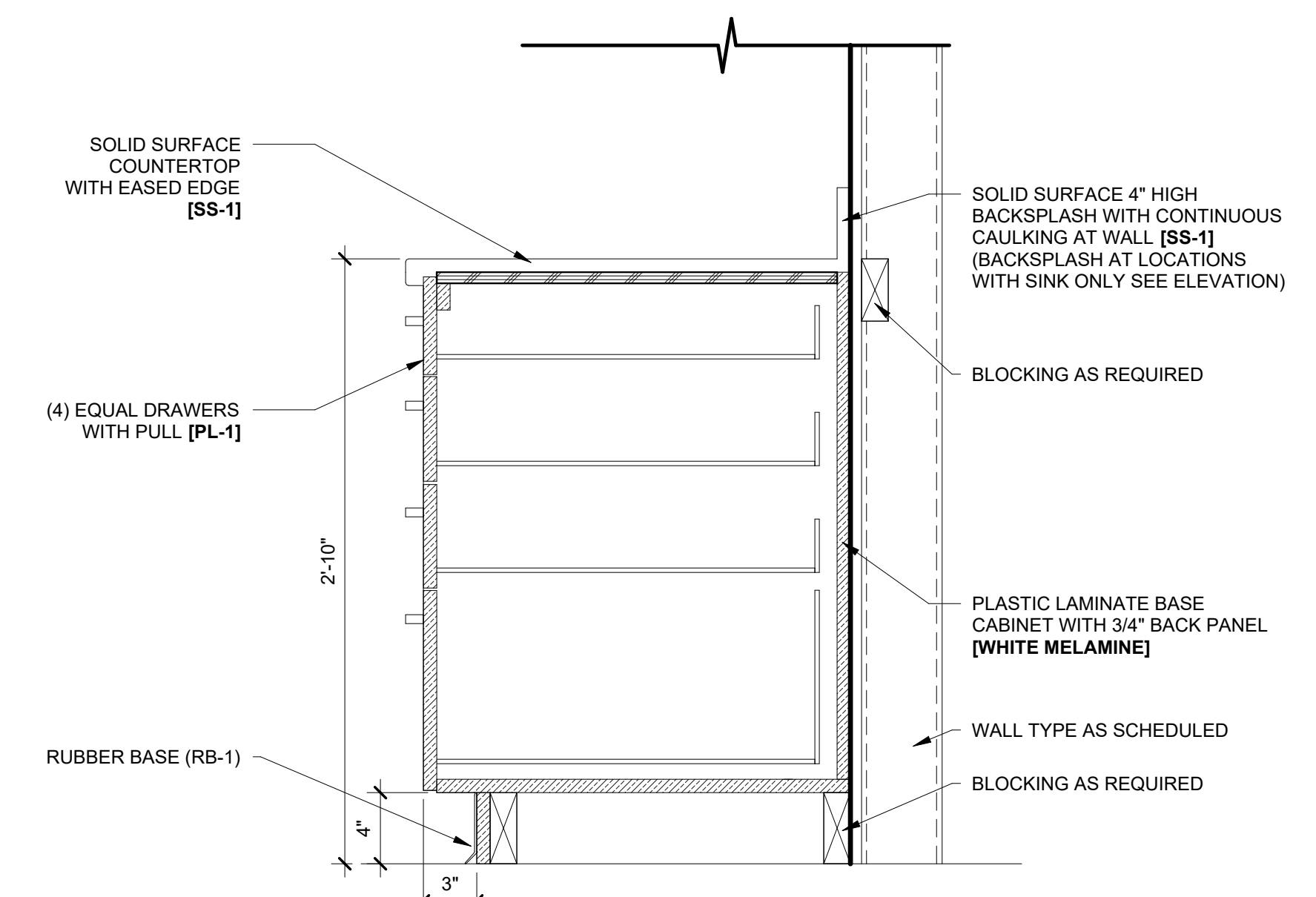
**A-510**



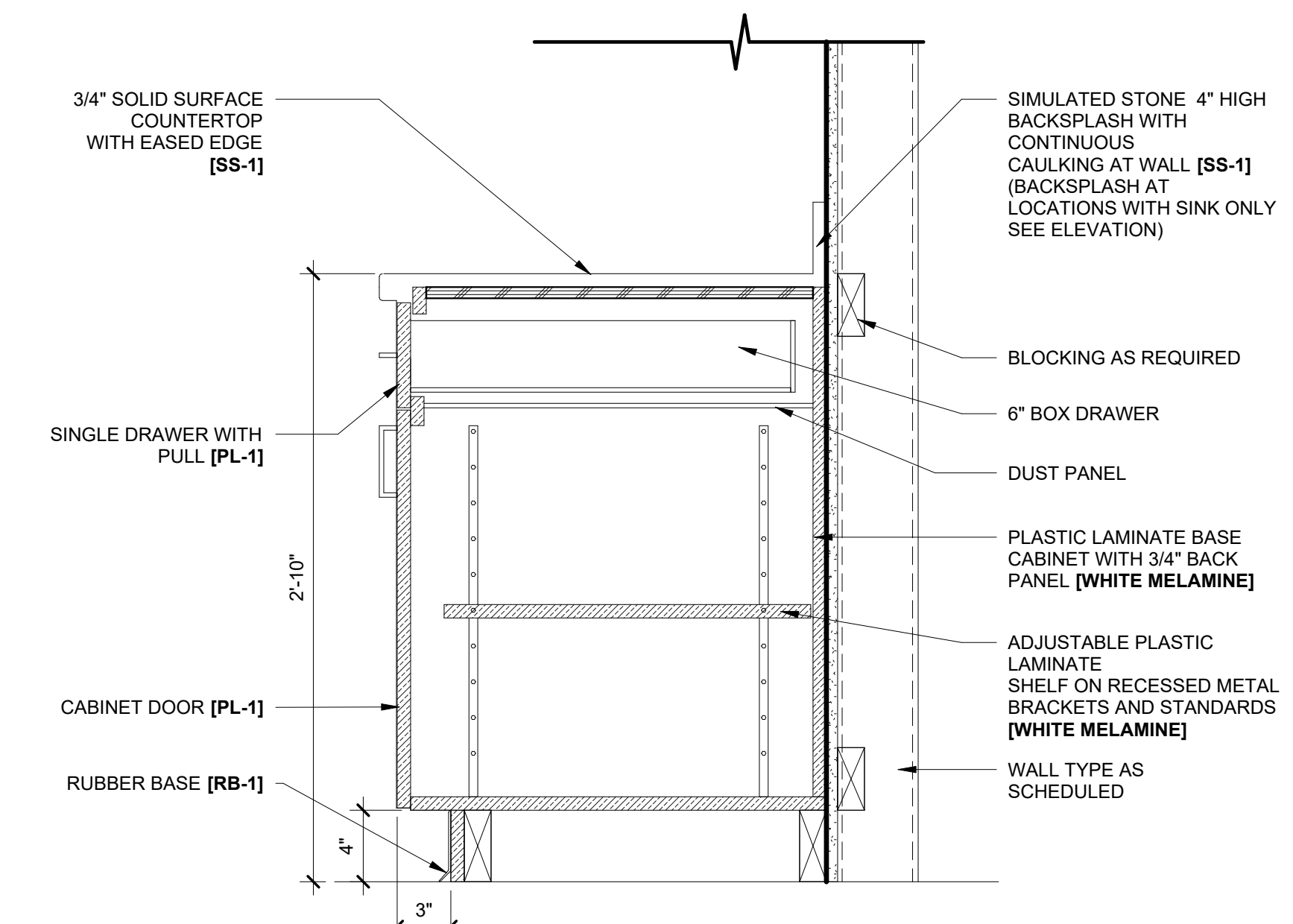
**13 CARPET PATTERN - PRESCHOOL, TYP.**  
SCALE | 1/2" = 1'-0"



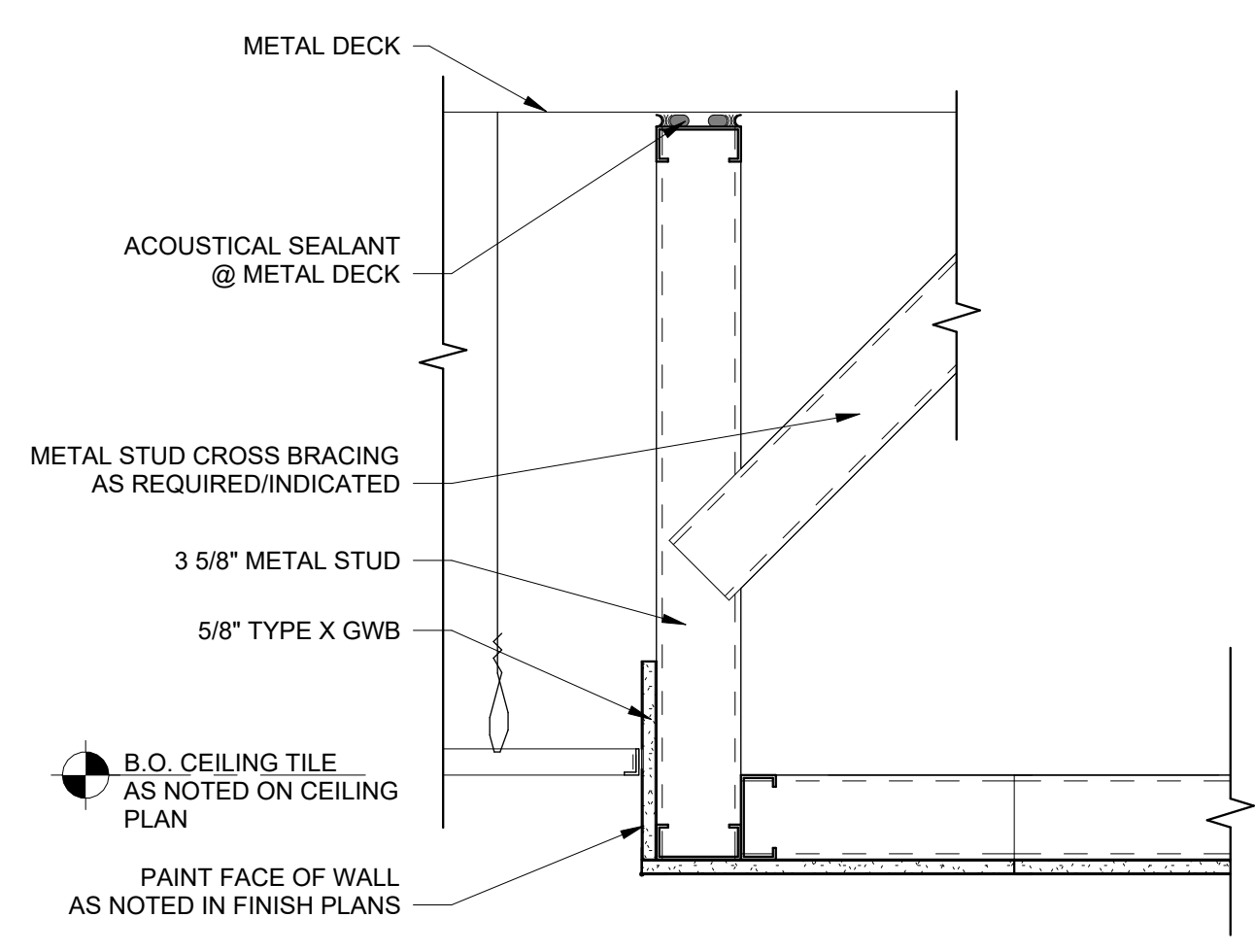
**3 TILE TO CARPET TRANSITION**  
SCALE | 6" = 1'-0"



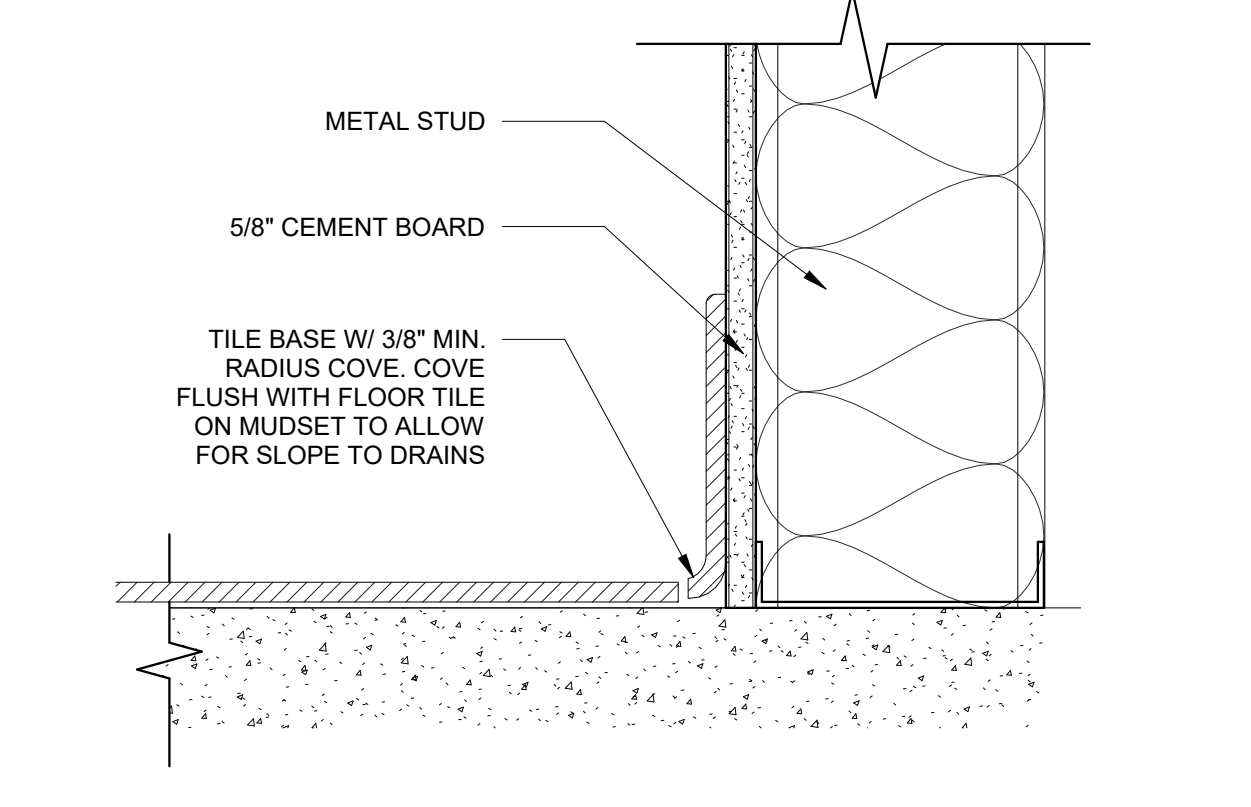
**28 DRAWER BASE**  
SCALE | 1 1/2" = 1'-0"



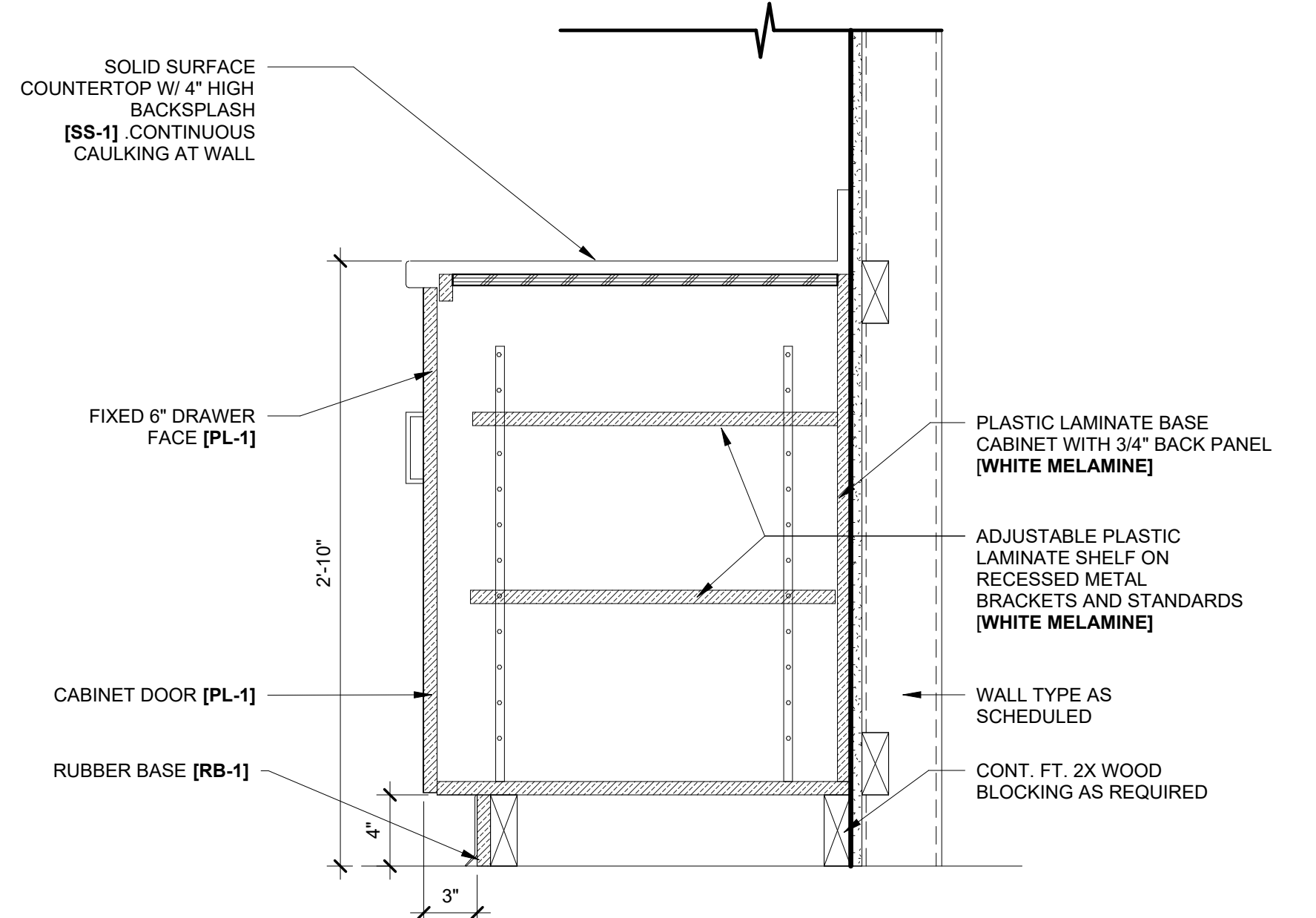
**18 DOOR AND DRAWER**  
SCALE | 1 1/2" = 1'-0"



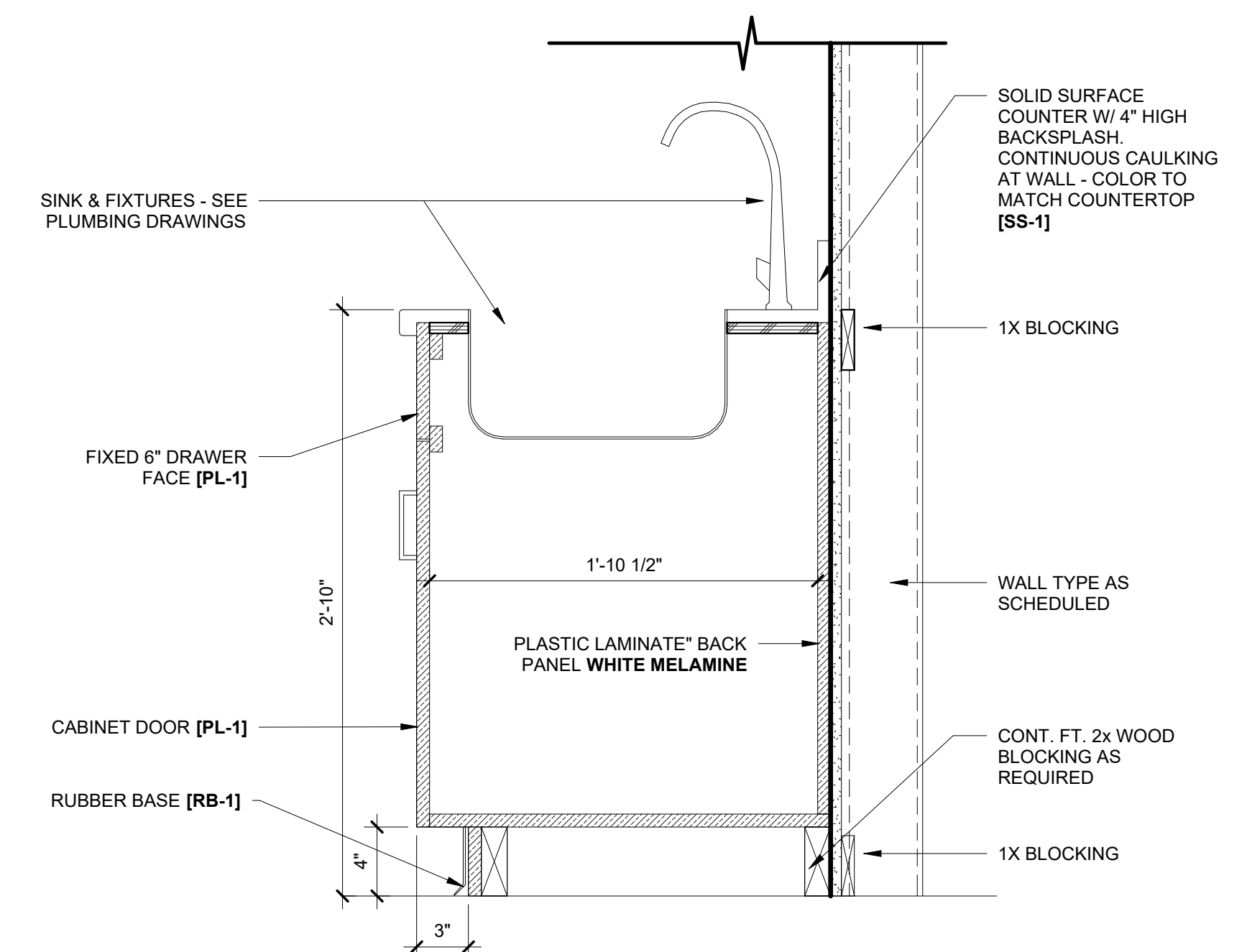
**12 CEILING SOFFIT**  
SCALE | 1 1/2" = 1'-0"



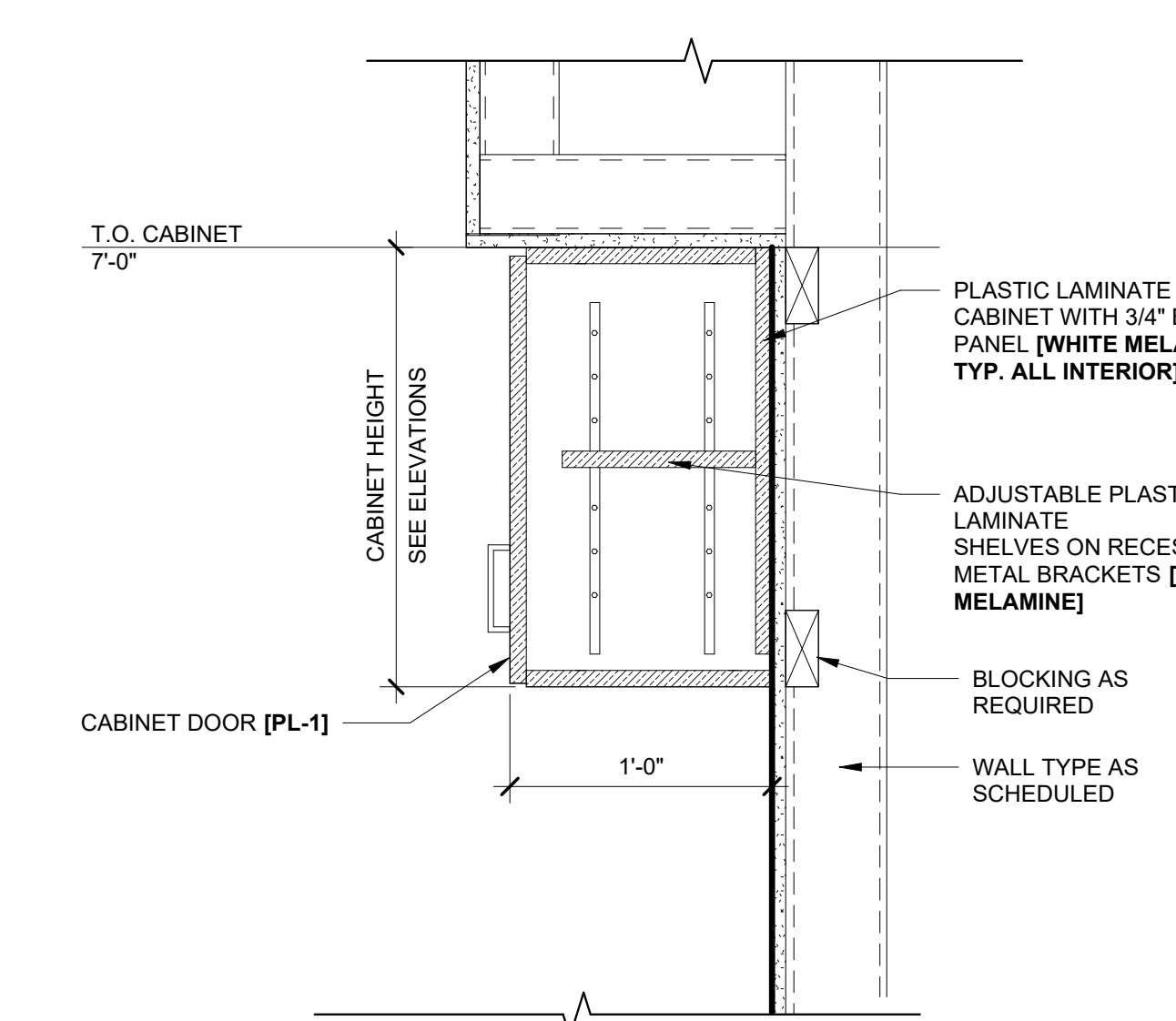
**2 TILE BASE DETAIL**  
SCALE | 3" = 1'-0"



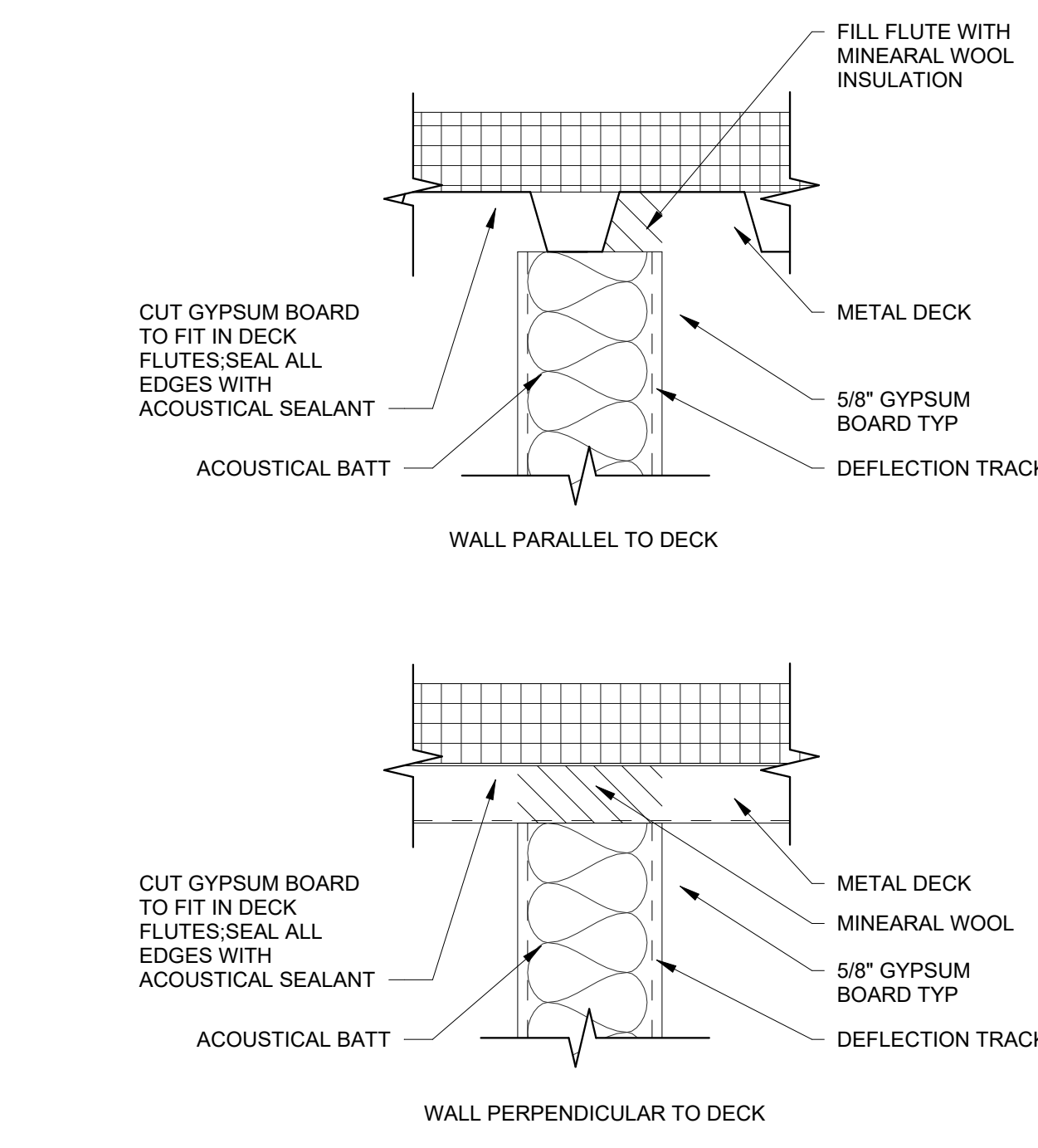
**26 DOOR BASE**  
SCALE | 1 1/2" = 1'-0"



**16 SINK BASE**  
SCALE | 1 1/2" = 1'-0"



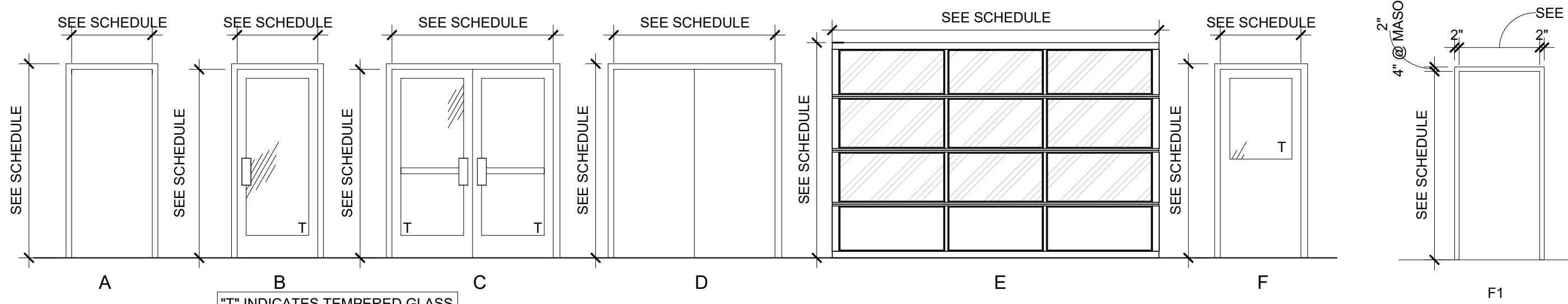
**11 WALL CABINET**  
SCALE | 1 1/2" = 1'-0"



**1 TOP/WALL DETAIL**  
SCALE | 3" = 1'-0"

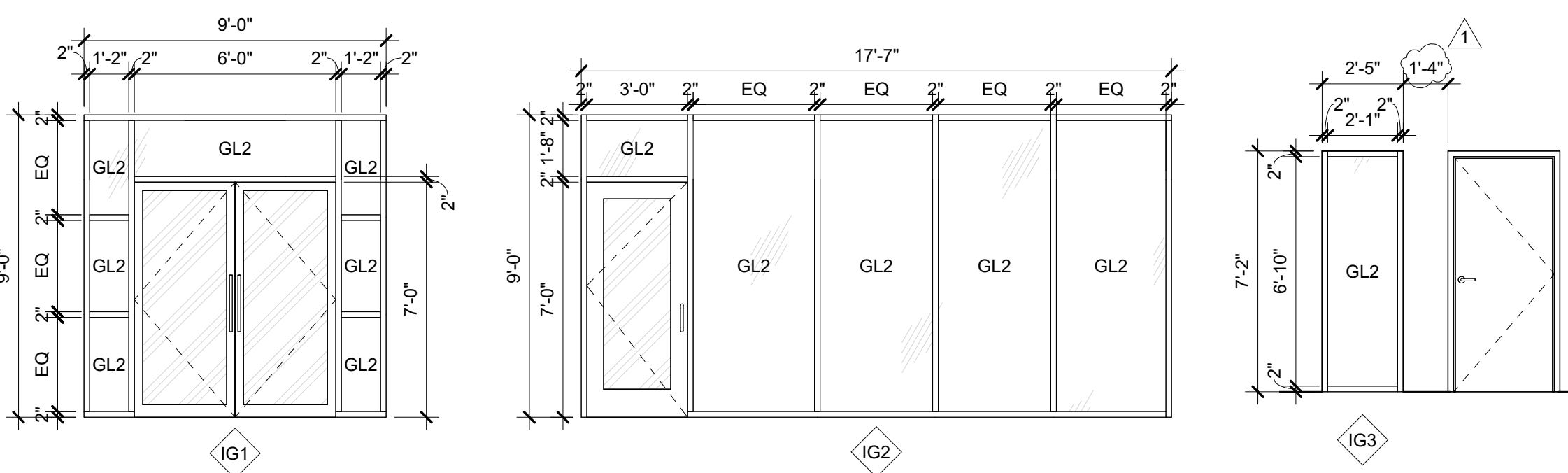
**DOOR SCHEDULE**

DR #	TYPE	DOOR			FRAME			DETAILS		NOTES	HARDWARE SET	DOOR #
		WIDTH	HEIGHT	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	JAMB			
01A	C	6'-0"	7'-0"	ALUM.	BLACK	SF	ALUM.	BLACK	8/A-601	17/A-601	1	01A
01B	C	6'-0"	7'-0"	ALUM.	BLACK	SF	ALUM.	BLACK	7/A-601	8/A-601	4	01B
03	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	34B	03
03B	F	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	36A	03B
08A	C	6'-0"	7'-0"	ALUM.	BLACK	SF	ALUM.	BLACK	8/A-601	17/A-601	1	08A
08B	C	6'-0"	7'-0"	ALUM.	BLACK	SF	ALUM.	BLACK	7/A-601	8/A-601	4	08B
09	F	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	32	09
10	F	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	32	10
10A	E	12'-0"	8'-0"	MTL.	MFR.	MFR.	MTL.	MFR.	-	-	MFR.	10A
11A	D	6'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	24	11A
11B	F	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	32	11B
11C	F	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	32	11C
11D	F	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	32	11D
11E	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	33	11E
11F	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	33	11F
11G	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	28A	11G
11H	F	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	33	11H
11I	B	3'-0"	7'-0"	ALUM.	BLACK	SF	ALUM.	BLACK	19/A-601	20/A-601	33	11I
12	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	33	12
14	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	27	14
15	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	27	15
17	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	33	17
18	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	34	18
19	F	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	32	19
19C	D	6'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	24	19C
19DA	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	30	19DA
19DB	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	30	19DB
21	F	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	32	21
22	F	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	32	22
23	D	6'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	24	23
24	D	5'-8"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	24	24
25	F	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	32	25
25B	E	12'-0"	8'-0"	MTL.	MFR.	MFR.	MTL.	MFR.	-	-	MFR.	25B
25C	F	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	32	25C
26	F	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	32	26
27	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	32	27
27A	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	29	27A
28A	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	29	28A
29A	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	32	29
29A	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	29	29A
30	D	6'-0"	7'-0"	WOOD	STAIN	F1	MTL.	PAINTED	1/A-601	2/A-601	22	30
30B	A	3'-0"	7'-0"	HM	PAINT	F1	HM	PAINTED	7/A-601	18/A-601	11	30B
30C	A	3'-0"	7'-0"	HM	PAINT	F1	HM	PAINTED	7/A-601	18/A-601	11	30C
31	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	1/A-601	2/A-601	27	31
32	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	1/A-601	2/A-601	27	32
33	D	6'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	1/A-601	2/A-601	24	33
34	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	32	34
34A	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	29	34A
35	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	32	35
36A	A	3'-0"	7'-0"	HM	PAINT	F1	HM	PAINTED	1/A-601	2/A-601	25	36A
36B	A	3'-0"	7'-0"	HM	PAINT	F1	HM	PAINTED	7/A-601	18/A-601	11	36B
36D	E	9'-0"	10'-0"	MTL.	MFR.	MFR.	MTL.	MFR.	-	-	MFR.	36D
37	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	28A	37
38	D	6'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	24	38
38B	A	3'-0"	7'-0"	HM	PAINT	F1	HM	PAINTED	7/A-601	18/A-601	11	38B
39	A	3'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	32	39
C02	D	6'-0"	7'-0"	WOOD	STAIN	F1	HM	PAINTED	9/A-601	10/A-601	22	C02

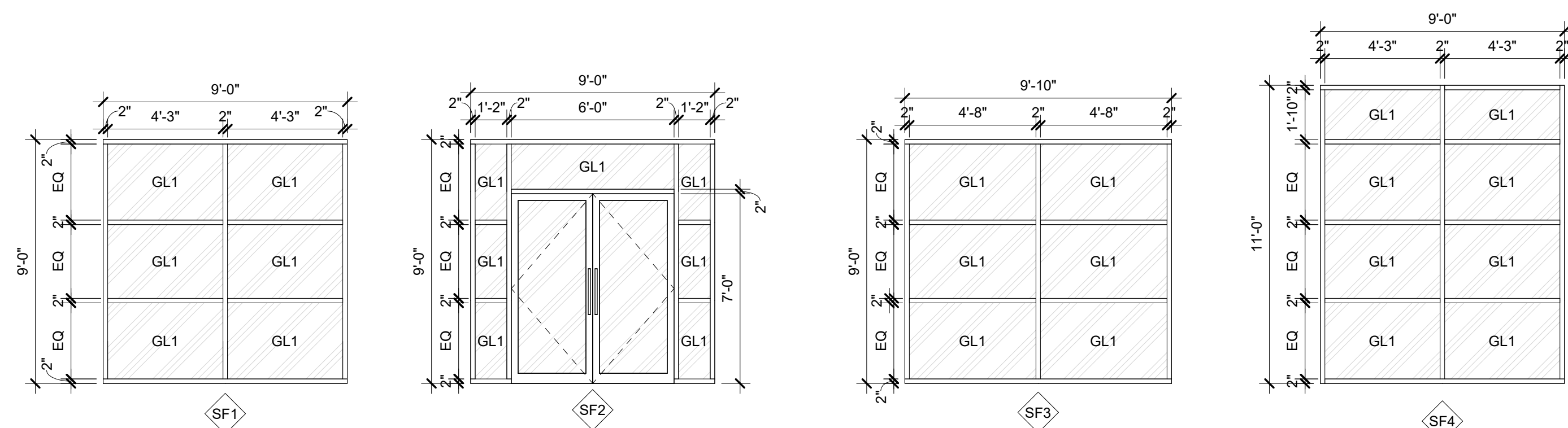


**DOOR TYPES**  
SCALE | 1/4" = 1'-0"

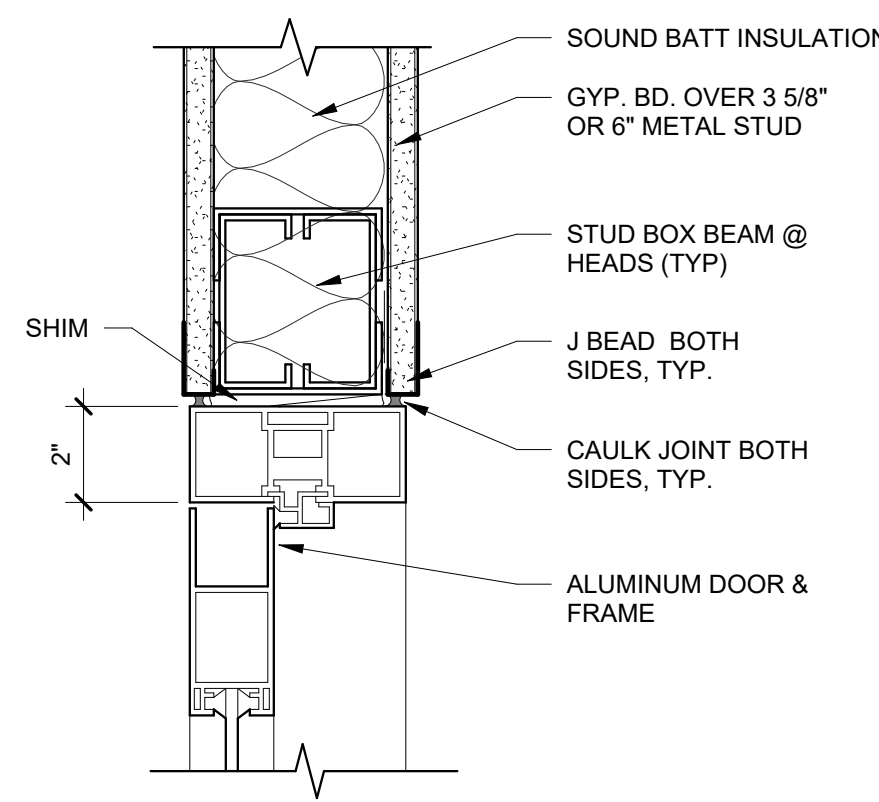
**FRAME TYPES**  
SCALE | 1/4" = 1'-0"



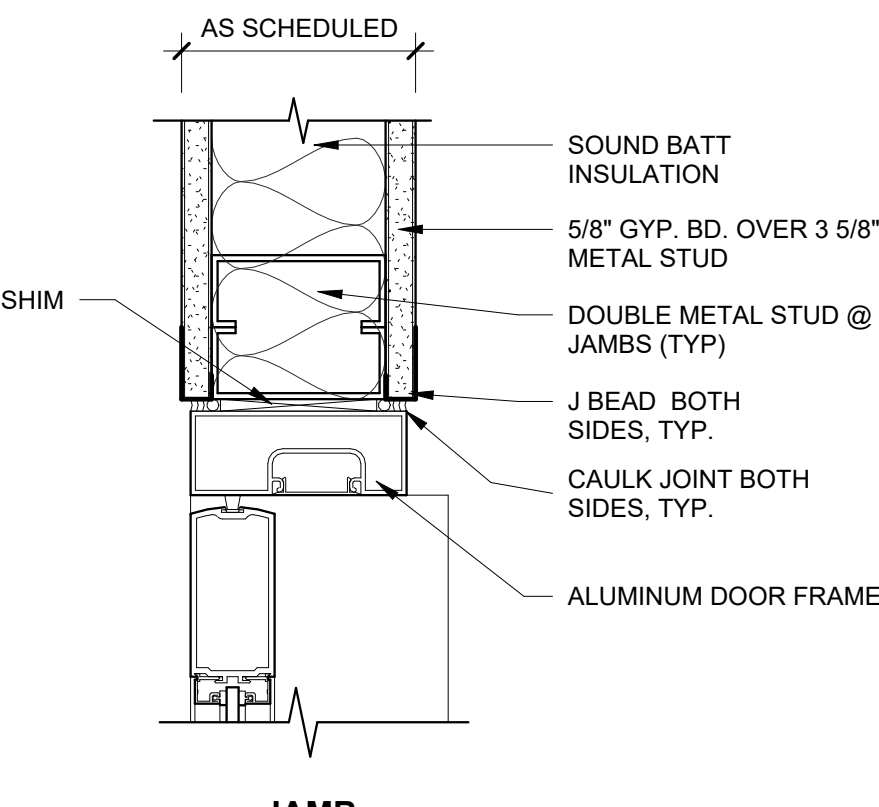
**INTERIOR STOREFRONT ELEVATIONS**



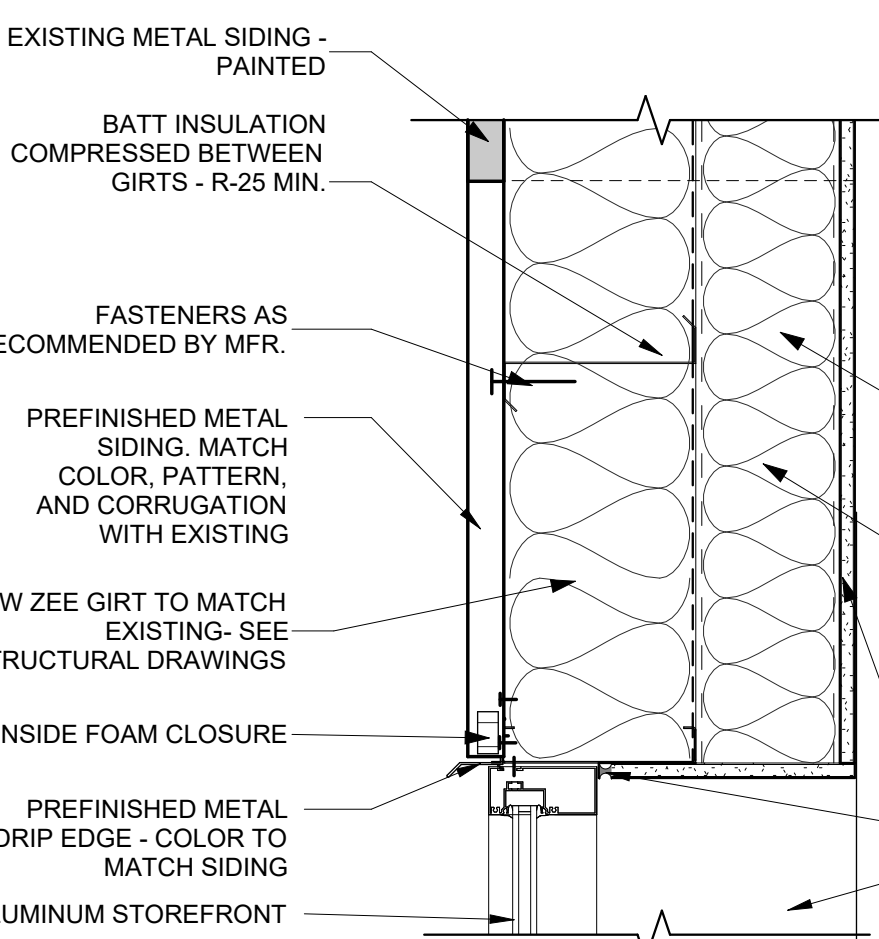
**EXTERIOR STOREFRONT ELEVATIONS**



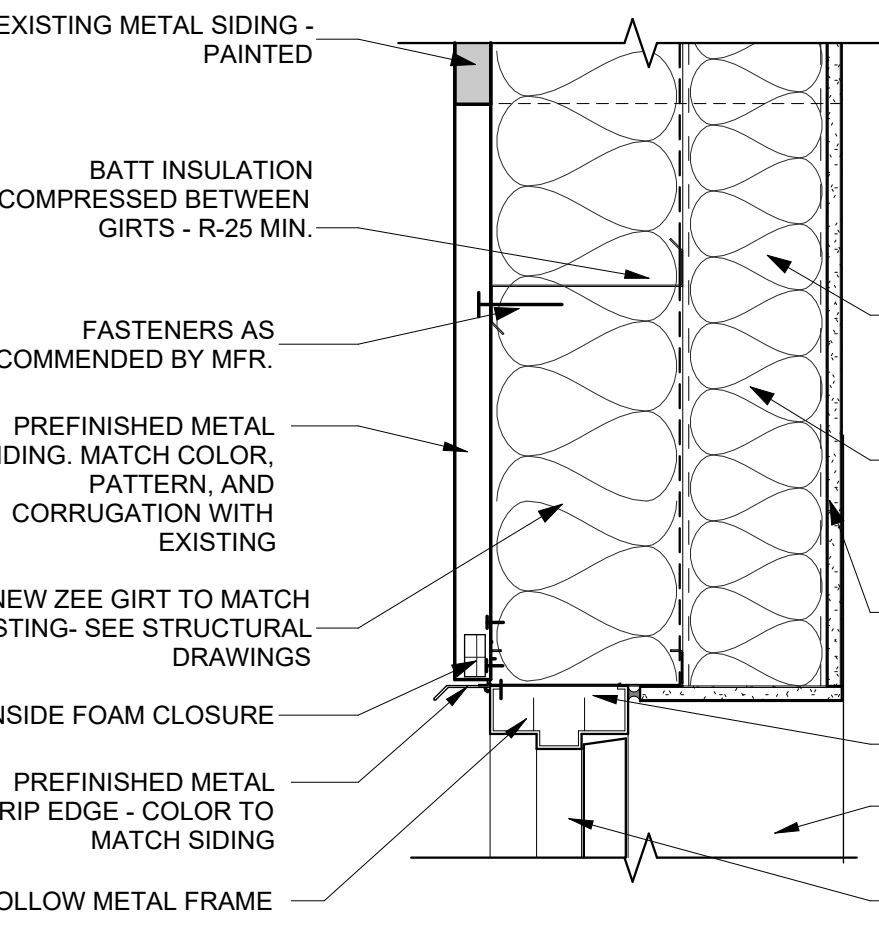
**20 ALUM. DR HEAD @ INT. WALL**  
SCALE | 3" = 1'-0"



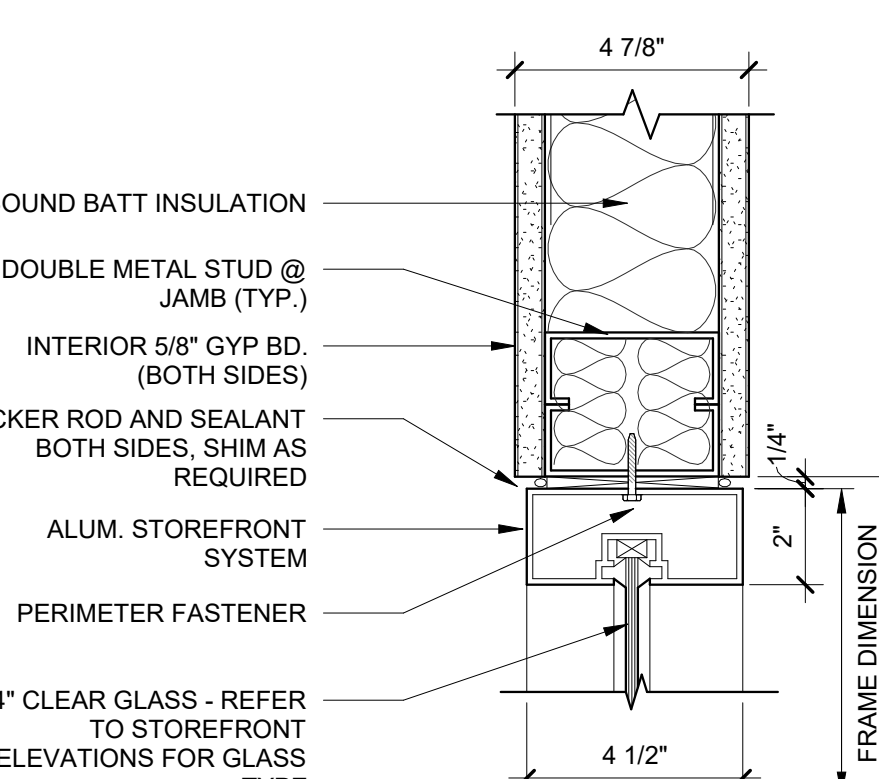
**19 ALUM. DR. JAMB @ INT. WALL**  
SCALE | 3" = 1'-0"



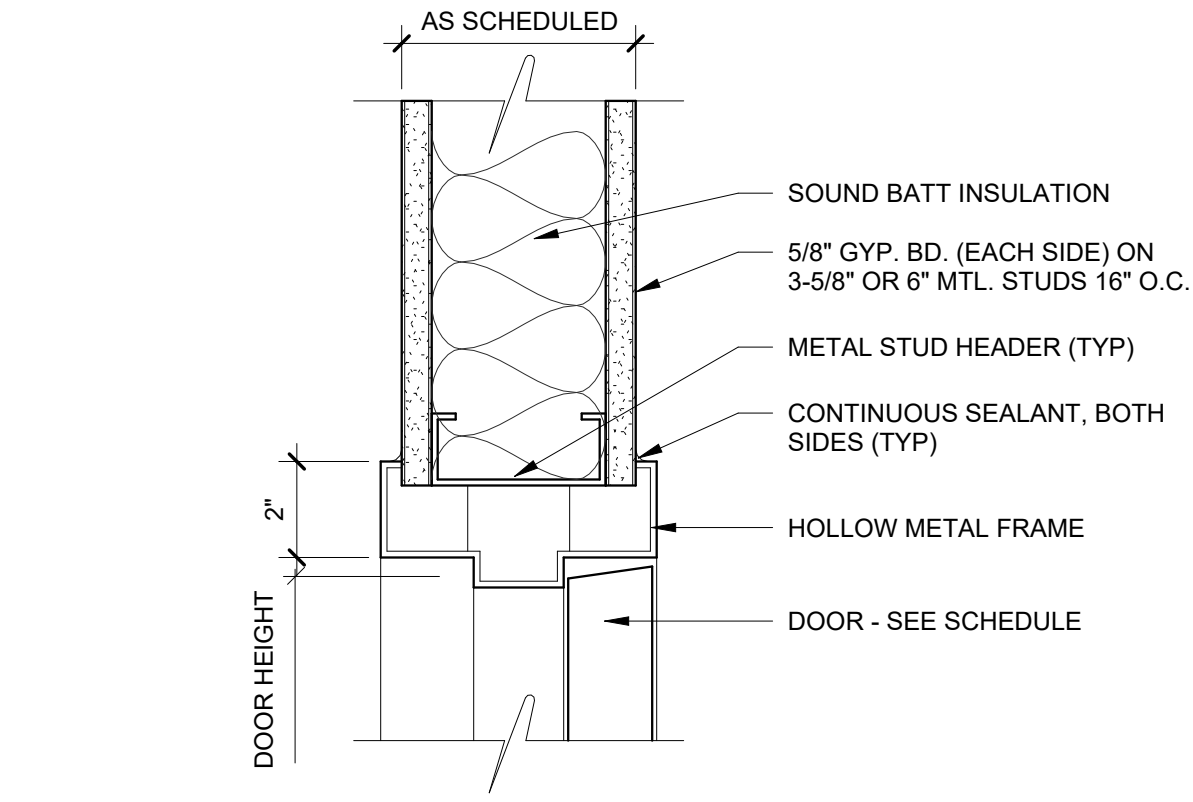
**17 STOREFRONT HEAD @ METAL PANEL**  
SCALE | 1 1/2" = 1'-0"



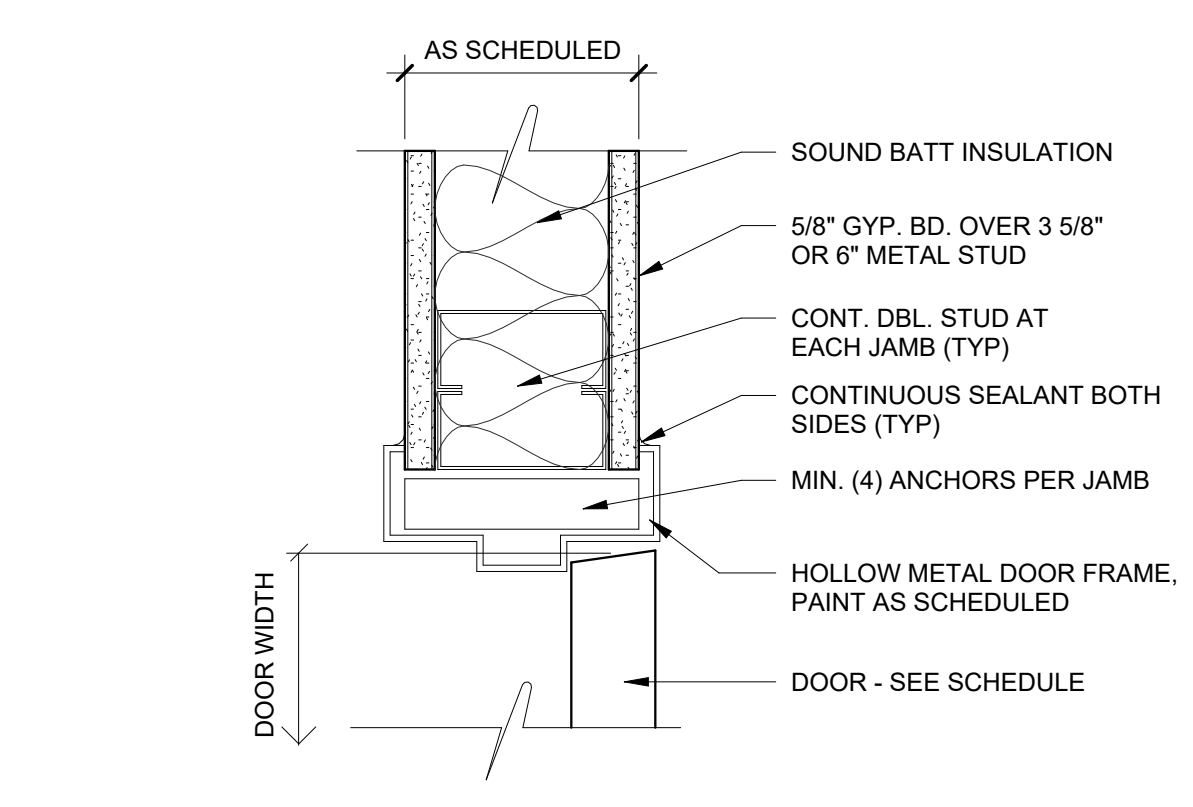
**18 HM HEAD @ METAL PANEL**  
SCALE | 1 1/2" = 1'-0"



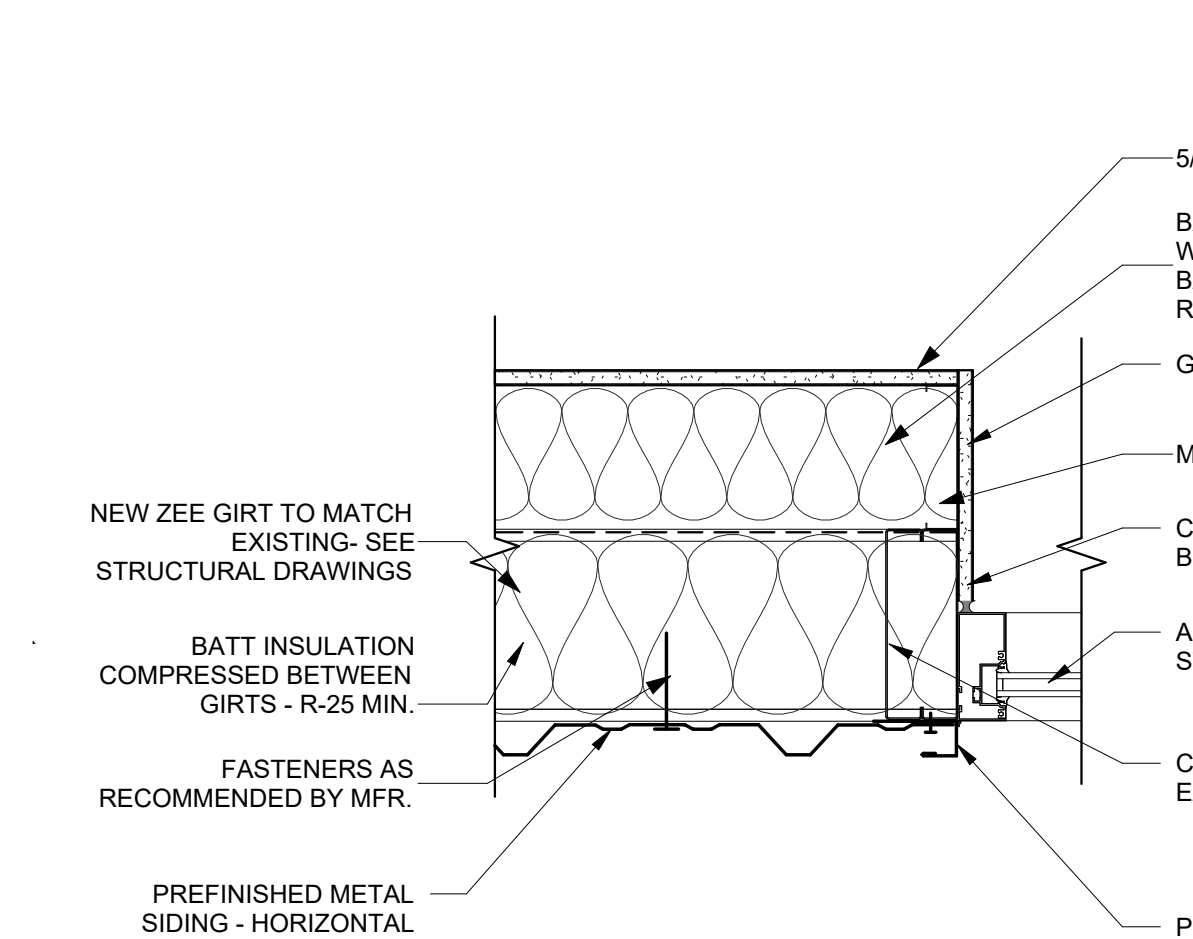
**16 INT. STOREFRONT JAMB DETAIL**  
SCALE | 3" = 1'-0"



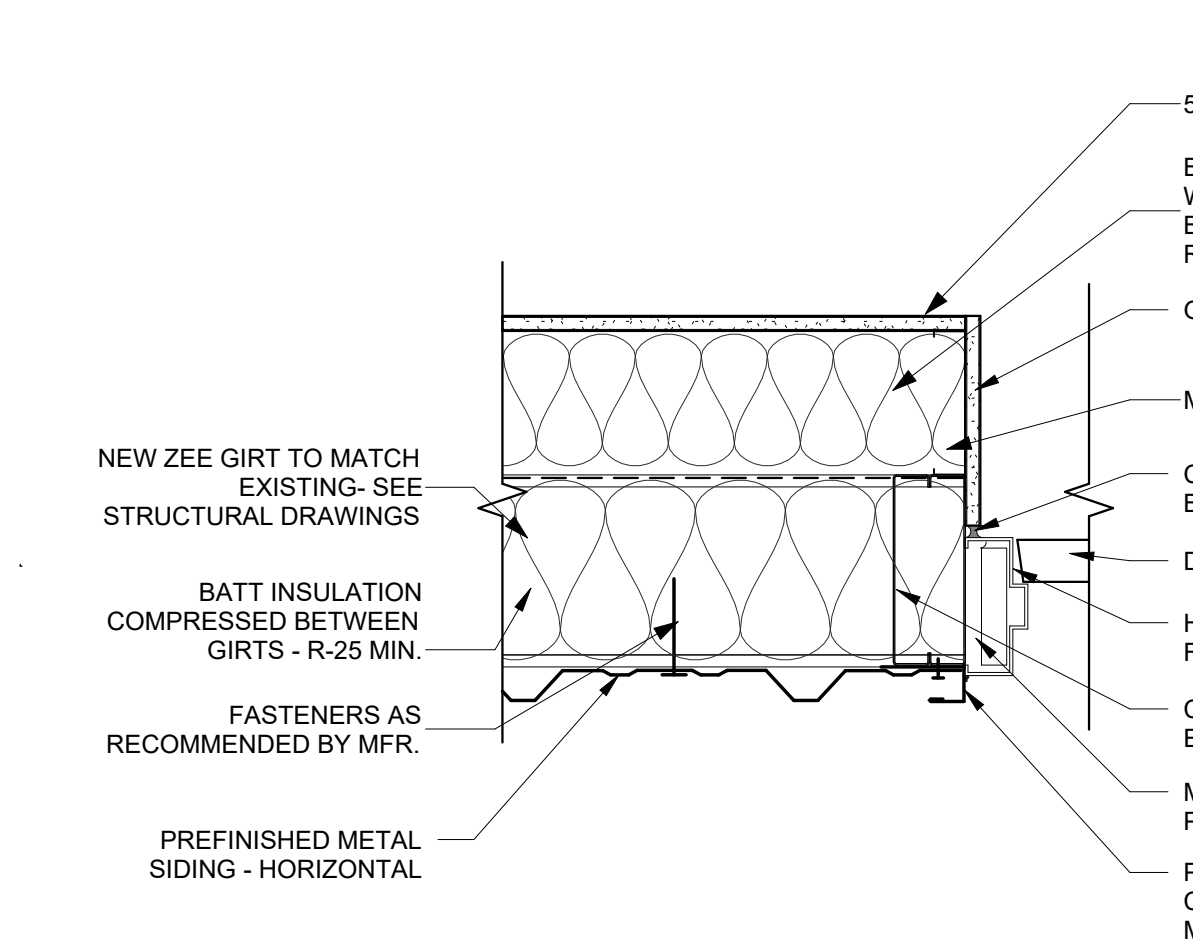
**10 HM DOOR HEAD @ INTERIOR WALL**  
SCALE | 3" = 1'-0"



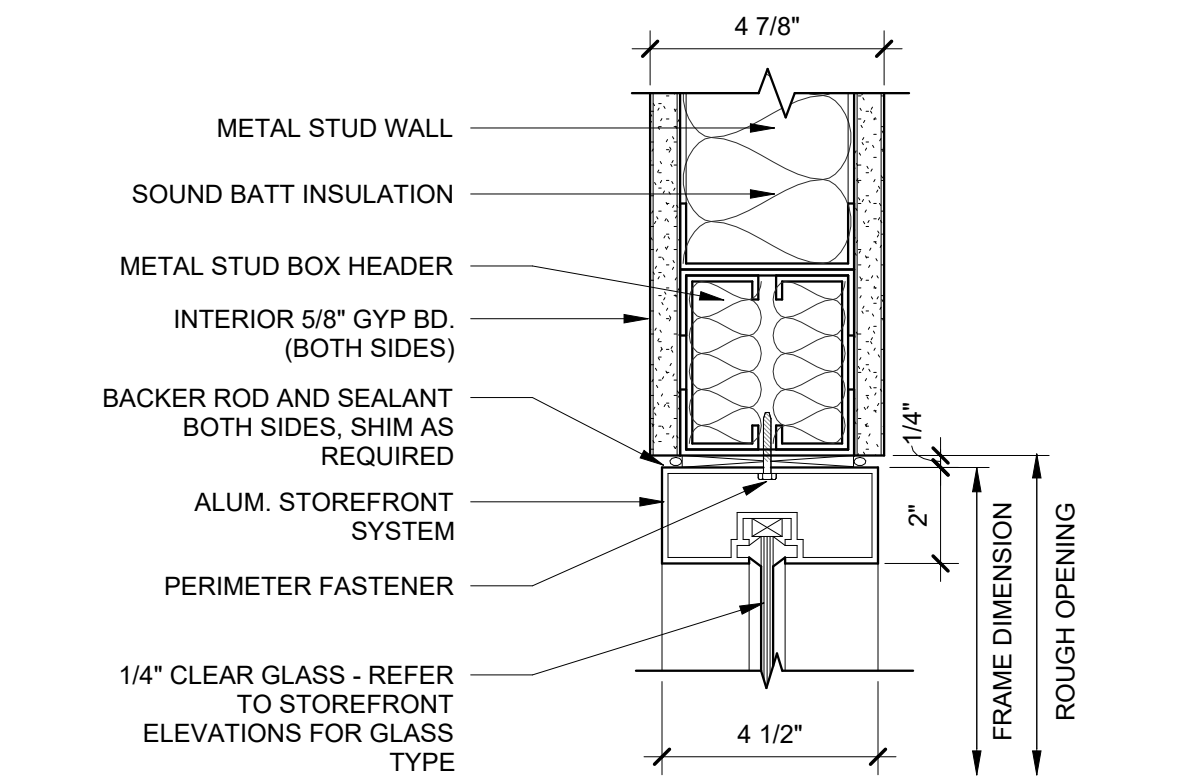
**9 HM DOOR JAMB @ INTERIOR WALL**  
SCALE | 3" = 1'-0"



**8 STOREFRONT JAMB @ METAL PANEL**  
SCALE | 1 1/2" = 1'-0"



**7 HM JAMB @ METAL PANEL**  
SCALE | 1 1/2" = 1'-0"



**6 INT. STOREFRONT HEAD DETAIL**  
SCALE | 3" = 1'-0"

**GENERAL NOTES**

- A. DOUBLE STUDS AT ALL DOOR OPENINGS.
- B. SEAL JOINTS BETWEEN FINISH MATERIAL AND FRAME AT BOTTOM OF DOOR FRAMES.
- C. CONTRACTOR TO VERIFY ALL FLOOR TO FLOOR TRANSITIONS THROUGHOUT BUILDING. FLOOR MATERIAL CHANGES OCCUR AT CENTERLINE OF DOOR.

**GENERAL NOTES - STOREFRONT**

- A. ALL VERTICAL DIMENSIONS ARE FROM TOP OF FINISHED SLAB.
- B. SEE SPECIFICATION FOR ALUMINUM WINDOW, STOREFRONT, AND CURTAIN WALL FINISHES.
- C. VERIFY ALL CONDITIONS PRIOR TO FABRICATION.
- D. ALL STOREFRONT MULLIONS ARE TO BE 4.5" X 2" U.N.O.

**GLAZING LEGEND**

- GL1 - 1" LOW-E COATED, CLEAR, INSULATING GLASS (SF)
- GL2 - 1/4" CLEAR GLASS (SF)



Mark C. Wiseman, License #13215  
Expiration Date 12/31/2021

REVISIONS:	Date	Description
1	12.19.2022	VE

PRINTINGS:	Permit Set

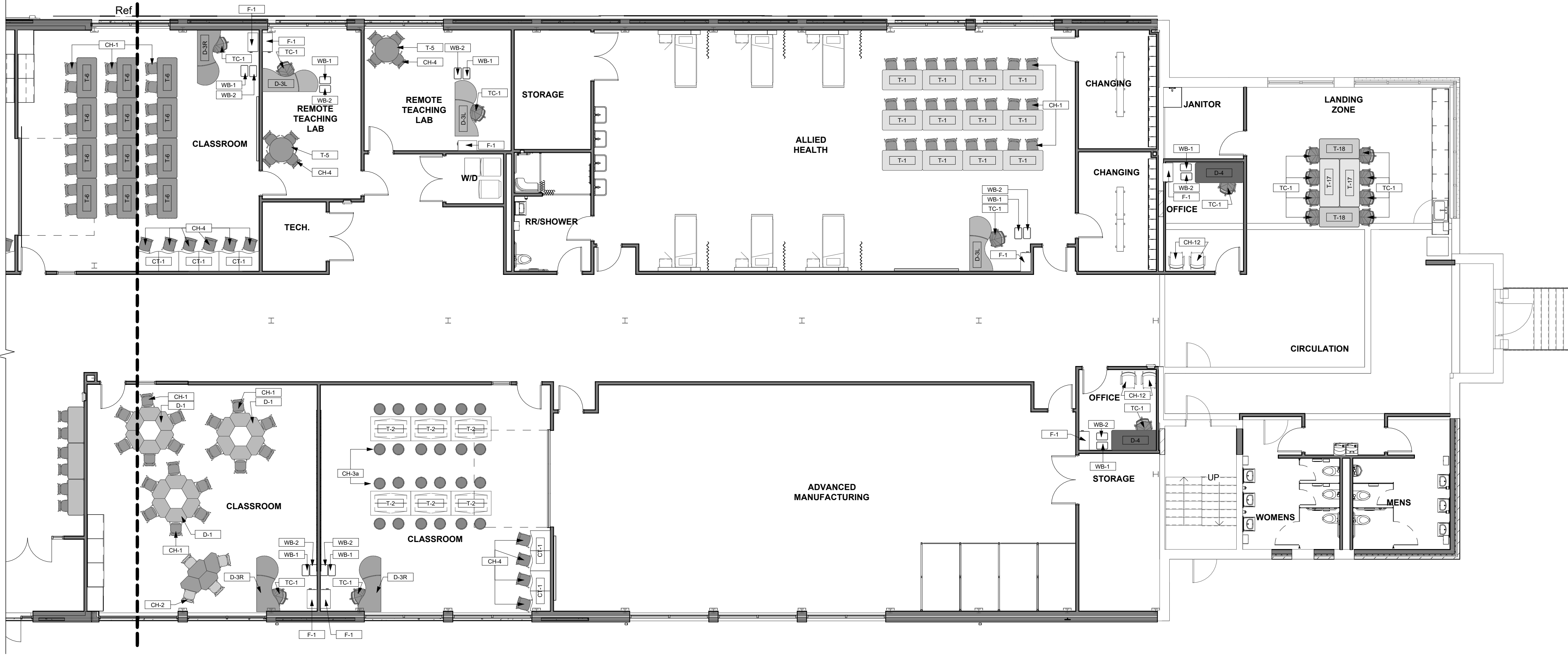
**NLSD TRUCKING TERMINAL - RENOVATION**  
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3011 DELUMARK DRIVE  
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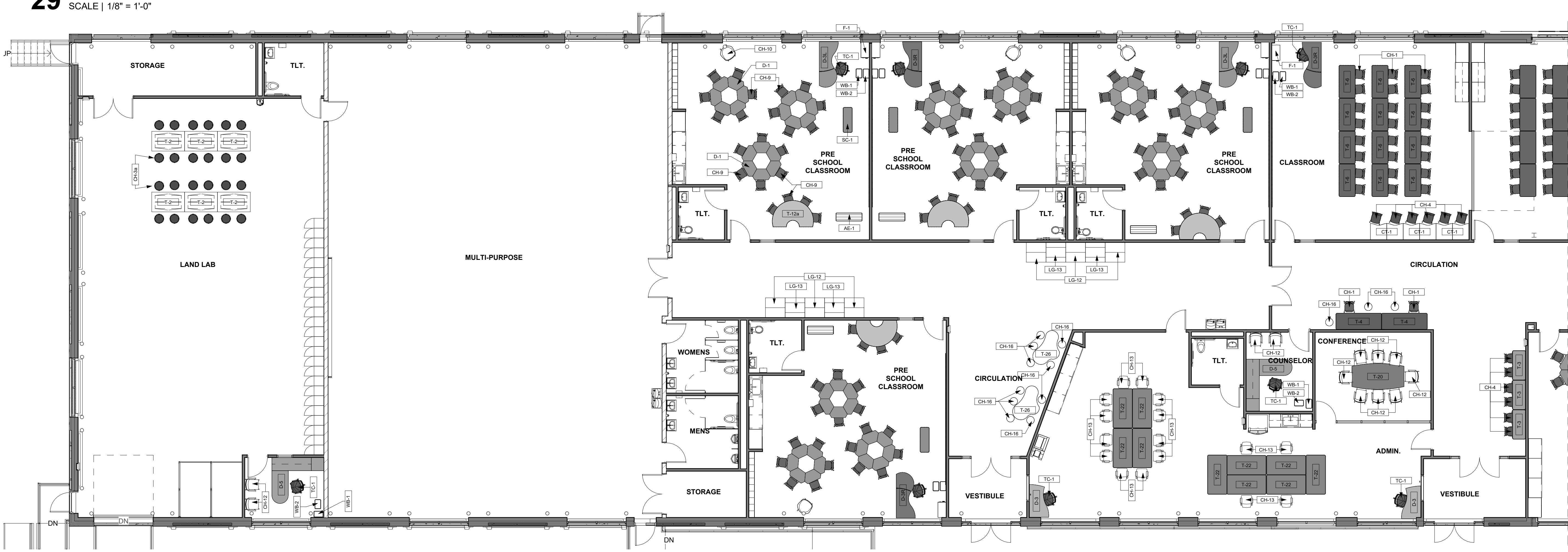
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**DOOR/WINDOW SCHEDULE, TYPES, AND DETAILS**  
**A-601**

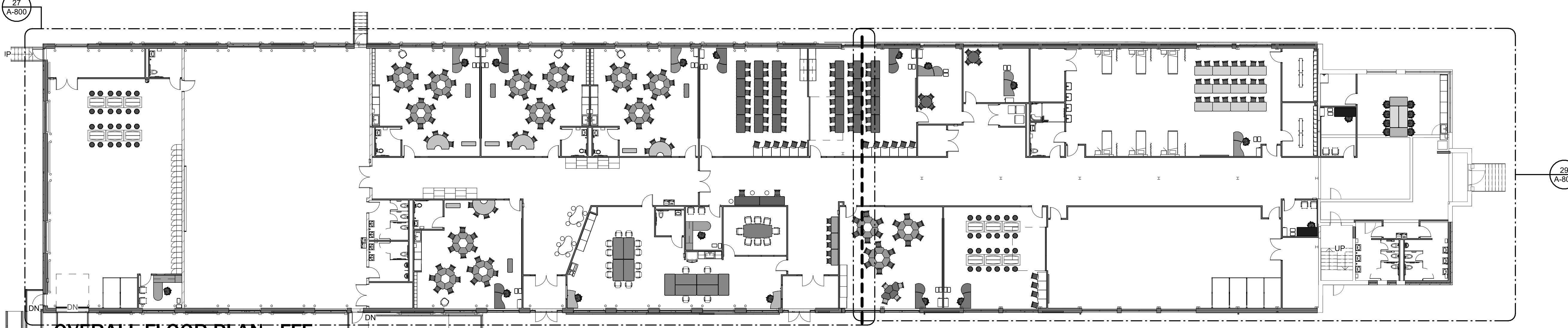


Keynote	Type	Manufacturer	Model	Description
AE-1	Art Easels	Wood Designs	WD19300	Art Easels for 4 Students
CH-1	Scholar Craft - Thrive Chair	Scholar Craft	2 Thrive - 5430 Series	Student Cantilever Chair - 18" high
CH-2	Scholar Craft Bar Stool	Scholar Craft	2 Thrive - SC5801	Student Bar Stool Chair
CH-3a	Carlo Stool	Media Technologies	Carlo Stool - 18"	Stem Lab Stool
CH-4	Scholar Craft - Swivel Stool	Scholar Craft	SC510	2 Thrive Computer Chair with Casters and Swivel
CH-4	2 Thrive - Computer Stool 30"	Scholar Craft	2 Thrive - SC5830 XL Series	Multipurpose Stool - 30" High
CH-9	Scholar Craft - Thrive Chair Prek	Scholar Craft	2 Thrive - 5400 Series	Student Cantilever Chair - 14" high
CH-10	Plastic Rocker Base	Georgia Chair Company	GC505-S	Tallback rocker made of solid oak with a natural finish
CH-12	5651-A130	SitOnIt Seating	5651-A130	The Focus Side features a mesh back, integrated lumbar support
CH-13	Workroom Stool	Herman Miller	WCT-424-10-P-MS-RQ-Y7	Caper Stacking Stool - 24" seat height. Molded back with no arms
CH-16	<varies>	VS America	03813	Hokki Height-Adjustable Stool
CT-1	42in x 30in	MIEN	60x30, 2 Grommet	TIIX Wave Computer Table - Double station with adjustable height
D-1	03083 Interchange Mini Diamond Student Desk	Scholar Craft	4600 Series	Kaleidoscope 4600 Series
D-2	03083 Interchange Mini Diamond Student Desk Standing Ht.	Scholar Craft	SC4790	Kaleidoscope Trapezoidal Student Desk - Standing Height
D-3	26178 Cascade Teacher Desk - Double Pedestal	Mien Company	TGJ-6035	THX Vinton Wave Teacher Station
D-3L	MIEN TEACHER DESK LEFT	Mien Company	TGJ-6035 - LEFT	THX Vinton Wave 3 piece Teacher Station 60" wide x 35" deep
D-3R	MIEN TEACHER DESK RIGHT	Mien Company	TGJ-6035 - RIGHT	THX Vinton Wave 3 piece Teacher Station 60" wide x 35" deep
D-4	Haskell Double Pedestal - Admin	Haskell Office	SDC7230FP-BB-FF	Double Pedestal Desk full Height
D-5	Haskell VP Desk System	Haskell Office	SDC7230FP-BB-FF	Left or Right L-Shape Desk Unit
DR-1	WED560LHW	General Electric	GTX42EASJWW	GE 2 cu.ft. Capacity Aluminized Alloy drum Electric Dryer
F-1	29" D x 21" W x 29" H	Herman Miller	LK20-D-36-4-SS-BU	Four Drawer Lateral File - Freestanding with bar Pull
LG-12	Standard	Media Technologies	AD-2	AD LIB 2-TIER 36inD x 34.5inW x 34inH INTERACTIVE SEATING, UPHOLSTERED
LG-13	Standard	Media Technologies	AD-3	AD LIB 3-TIER 36inD x 34.5inW x 34inH INTERACTIVE SEATING, UPHOLSTERED
PE-1	PENCIL SHARPENER	Bozdon	Helix - 1900	Electric Pencil Sharpener
SC-1	04121 Interchange Rectangle Activity Table	Wood Designs	WD11800	Sand and Water Table
T-1	Wisconsin Bench - LOGO Table	Wisconsin Bench	LOB08082-FX	Lobo Table - Science Table with 1" Black Epoxy top and Square Legs
T-2	6in Overhang 4 Sides Double Sided Cabinet with 18 Cubby with Locking Doors with 128mm Urban Pull	Fleetwood Furniture	MSL220665	Stem Lab Workstation - Double Sided - 18 Cubby - No Doors
T-3	Workroom table - plane computer table 40"	Fleetwood	IN-PG5280BD	Plane Computer Table, Steel Round Legs - H Frame 42" High
T-4	Method Series 30x72	Scholar Craft	FS949R3072	Method Series - Rectangle Table 30" x 72"
T-5	Round Group Table - 40"	Fleetwood	PB-RD3680B5	Round Group Table, Steel Round Pedestal - 40" High
T-6	04121 Interchange Rectangle Activity Table	Smith System	04121	Interchange Rectangle Activity Table
T-12a	01464 30 Crisscross Base-01507 RT	Scholar Craft	FS949KD4872	Activity Table - Kidney Shaped Adjustable 18"-25"
T-17	haskell assemble table - 3072	Haskell Office	ASHA-3072	Assemble Series - Conference Table
T-18	haskell assemble table - 3060	Haskell Office	ASHA-3060	Assemble Series - Conference Table
T-20	intermix conference Room Table	QFS BRANDS	CC-9542BT	8 PERSON CONFERENCE ROOM TABLE
T-22	Workroom table	Table X	02TC367126-SH	Fundamental Series 36" x 72" Rectangular Table with Special Height -36"
T-26	<varies>	Media Technologies	RF-C4565RL	Rockford Table - Raetzel Shape Adjustable Height
TC-1	Novo Midback Fixed Arm	Sit On It	Novo Task Chair	Midback Task Chair with Carpet Casters
W-1	WFV9620HC	General Electric	GTW490ACJWW	GE Energy Star 4.4 DOE cu.ft. Capacity Washer Lavieuse à chargement frontal intelligente et très grand distributeur de détergent Load & Go™, 5.8 pt C.E.I.
WB-1	WASTE BASKET	Continental	4114G	41 Qt. Waste Basket
WB-2	RECYCLE BIN	Continental	4114-1	41 Qt. Recycle Bin

29 ENLARGED FFE PLAN - B  
SCALE | 1/8" = 1'-0"



27 ENLARGED FFE PLAN - A  
SCALE | 1/8" = 1'-0"



26 OVERALL FLOOR PLAN - FFE  
SCALE | 1/16" = 1'-0"

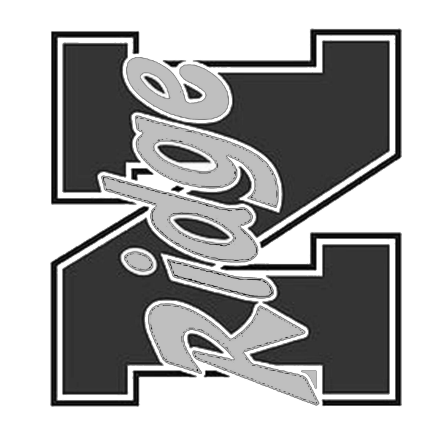


Mark C. Wiseman, License #13215  
Expiration Date 12/31/2021

REVISIONS	Number	Description	Date
PRINTINGS	PERMIT SET	12.19.2022	

CONSULTANTS

NLSD TRUCKING  
TERMINAL -  
RENOVATION  
4407 PANNIE AVE.  
DAYTON, OH 45414



PROJECT NO: 223428.00  
CHECKED BY: Checker  
DRAWN BY: Author  
DATE: 12.19.2022

LEVIN PORTER  
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3011 NEUMARK DRIVE  
MARIETTA, OHIO 45342  
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Levin Porter Architects Inc. 6th Floor Porter Architects



1ST FLOOR FFE PLAN

A-800

12/19/2022 10:50:01 AM

**SPECIAL INSPECTION NOTES**

- The OWNER shall employ one or more special inspectors to provide inspections during construction on the types of work itemized below.
- Only the required STRUCTURAL Special Inspections have been listed on this sheet. Please refer to architectural drawings and/or specifications for required non-structural Special Inspections, if applicable. (i.e. Fire Resistant Materials and Coatings, EIFS, Smoke Control Systems)
- The special inspector shall be a qualified person who shall demonstrate competence, to the satisfaction of the building official, for inspection of the particular type of construction or operation requiring special inspection.
- Upon request, Shell + Meyer can provide a list of local agencies providing these inspection services.
- Numbered and lowercase lettered inspections indicate referenced OBC requirements
- Some numbered or lettered special inspection items may not be listed. These items are not required on this project.
- Additional information regarding inspections and tests may be found in the project specifications, on the drawings, and in the building code and referenced standards. The contractor and special inspector shall review all documents to determine the special inspections and testing necessary for this project.
- The Special Inspections table and other contract documents indicate the special inspections anticipated at the time the documents were approved by the Building Official. Changes in scope, materials, or unanticipated existing conditions may require additional inspections.
- Special inspection and site observation personnel are not responsible for job site safety or means and methods of construction unless noted specifically in the contract.

**REQUIRED STRUCTURAL SPECIAL INSPECTIONS**

Concrete Construction, Cast-In-Place - OBC Table 1705.3	Continuous	Periodic	Referenced Standard	Additional IBC Requirements	Remarks
1. Inspect reinforcement and verify placements.	—	X	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1-26.6.3.	1908.4	Confirm size and spacing of bars. Tolerances and reinforcing placement per ACI 7.5; spacing limits for reinforcing ACI 7.6
3. Inspect anchors cast in concrete.	—	X	ACI 318: 17.8.2	—	—
4. Inspect anchors post-installed in hardened concrete members. a. Adhesive anchors installed horizontally or upwardly inclined orientations to resist sustained tension loads. b. Mechanical anchors and adhesive anchors not defined in 4.a.	X	—	ACI 318: 17.8.2.4	—	All bolts visually inspected. Post-installed anchors shall be qualified for use in cracked concrete and shall have passed the Simulated Seismic Tests in accordance with ACI 355.2. Special inspections apply to anchor product name, type, and dimensions, hole dimensions, compliance with drill bit requirements, cleanliness of the hole and anchor, adhesive expiration date, anchor/adhesive installation, anchor embedment, and tightening torque
5. Verify use of required design mix	—	X	ACI 318:Ch.19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3	Tests and submittals per specifications
7. Inspection of concrete placement for proper application techniques.	X	—	ACI 318: 26.5	1908.6, 1908.7, 1908.8	Confirm placement conforms to ACI 301
8. Verify maintenance of specified curing temperature and techniques.	—	X	ACI 318: 26.5.3-26.5.5	1908.9	Confirm products conform to approved shop drawings; confirm curing performed per specifications

LEVEL 1 Masonry Construction - OBC Table	Continuous	Periodic	Referenced Standard	Additional OBC Requirements	Remarks
1. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 1.5	—	—
4. As masonry construction begins, the following shall be verified to ensure compliance: a. Proportions of site-prepared mortar. b. Construction of mortar joints. c. Location of reinforcement, connectors, and prestressing tendons and anchorages. d. Location of reinforcement, connectors, and prestressing tendons and anchorages.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 2.1, 2.6A TMS 602/ACI 530.1/ASCE 6: Art. 3.3B TMS 602/ACI 530.1/ASCE 6: Art. 3.4, 3.6A	—	Visual inspection of preparation to confirm proportions Visual inspection to confirm placement of CMU Confirm size, spacing, and location of reinforcing, connectors, and anchorages INCLUDING mechanical splice connectors
5. During construction the inspection program shall verify: a. Size and location of structural elements. b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 3.3F TMS 402/ACI 530/ASCE 5: Sec. 1.2.1(e), 6.1.4.3, 6.2.1	—	Visual inspection to confirm size and location conforms to contract drawings. Confirm size, type, and location of anchors conforms to contract drawings.
6. Prior to grouting, the following shall be verified to ensure compliance a. Grout space is clean b. Grade, type, and size of reinforcement and anchor bolts c. Placement of reinforcement, connectors d. Proportions of site-prepared grout e. Construction of mortar joints.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 3.2D, 3.2F TMS 402/ACI 530/ASCE 5: Sec. 6.1 TMS 602/ACI 530.1/ASCE 6: Art 2.4, 3.4 TMS 402/ACI 530/ASCE 5: Sec. 6.1, 6.2.1, 6.2.6, 6.2.7 TMS 602/ACI 530.1/ASCE 6: Art. 3.2E, 3.4, 3.6A TMS 602/ACI 530.1/ASCE 6: Art. 2.6B, 2.4 G.1.b TMS 602/ACI 530.1/ASCE 6: Art. 3.3B	—	Visually confirm Confirm size, spacing, and placement of reinforcing Visual inspection of preparation to confirm proportions Visual inspection to confirm placement of CMU

**STRUCTURAL STEEL INSPECTIONS SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360-10 (CHAPTER N) IF STRUCTURAL STEEL SPECIFICATIONS ARE INCLUDED IN THE CONSTRUCTION DOCUMENTS REFER TO SECTION 051200 "STRUCTURAL STEEL FRAMING"**

Field Welds	Continuous	Periodic	Referenced Standard	Additional OBC Requirements	Remarks
Visual inspection of all Field Welds connecting Structural Steel elements	—	X	—	—	Visual inspection of all Field Welds connecting Structural Steel elements
<b>Cold Formed (Light Gage) Steel Framing</b>	Continuous	Periodic	Referenced Standard	Additional OBC Requirements	Remarks
D. Material verification of weld filler metals	—	X	AWS D1.3, Section 7	1705.1.1	Confirm manufacturer's certified test reports.
D. Verify use of proper welding procedure specifications	—	X	AWS D1.3, Section 7	—	Obtain copy of welding procedure specifications
E. Verify welder qualifications	—	X	—	—	Obtain copy of qualification card(s)
J. Light gage structural steel stud framing, including joists/rafters.	—	X	—	—	Visual inspection during construction to confirm fasteners/welds per construction documents.

**DESIGN CRITERIA NOTES**

REFERENCED DESIGN CODE:  
OHIO BUILDING CODE (2017)

ENVIRONMENTAL LOADS:  
ROOF SNOW LOAD:  
GROUND SNOW LOAD: Ps = 20 PSF  
FLAT ROOF SNOW LOAD: Pp = 20 PSF  
SNOW EXPOSURE FACTOR: Ce = 1.0  
SNOW LOAD IMPORTANCE FACTOR: Is = 1.0  
THERMAL FACTOR: Ct = 1.0

WIND LOAD:  
BASIC WIND SPEED (3 SECOND GUST) = 115 MPH  
RISK CATEGORY = III  
WIND EXPOSURE = C  
INTERNAL PRESSURE COEFFICIENT = +/- 0.18  
COMPONENT AND CLADDING TO BE USED FOR ALL ITEMS NOT SPECIFICALLY DESIGNED BY ENGINEER OF RECORD (0.6W, SERVICE) =  
ROOFS = +20 PSF / -45 PSF  
WALLS = +20 PSF / -24 PSF

EARTHQUAKE LOAD:  
SEISMIC IMPORTANCE FACTOR: Ie = 1.25  
MAPPED SPECTRAL ACCELERATION: Ss = 0.158  
S1 = 0.072  
SITE CLASS = D (ASSUMED)  
DESIGN SPECTRAL ACCELERATION: Sds = 0.169  
Sd1 = 0.115

SEISMIC DESIGN CATEGORY = B  
BASIC SEISMIC FORCE-RESISTING SYSTEM (RESPONSE MODIFICATION FACTOR) =  
[Reference: ASCE 7-10 Table 12.2-1]  
H STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE (R=3)

PER OBC 3404.4 EXCEPTION, THE EXISTING LATERAL LOAD CARRYING STRUCTURAL ELEMENTS WILL HAVE A DEMAND CAPACITY INCREASE OF NO MORE THAN 10% AND SHALL BE PERMITTED TO REMAIN UNALTERED.

SEISMIC RESPONSE COEFFICIENT: Cs = 0.07  
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE PROCEDURE

DESIGN UNIFORM LOADS:  
DEAD LOAD REFER TO DEAD LOAD TABULATION TABLES  
ROOF LIVE LOAD: 20 PSF (MINIMUM PER OBC SECTION 1607.11.2)  
UNIFORM FLOOR LIVE LOAD: 150 PSF  
1. IMPACT LOADS - PER OBC 1607.9 AND 1607.13

SPECIAL LOADS:  
SEE PLAN FOR SPECIAL LOADING CONDITIONS

**GENERAL STRUCTURAL NOTES**

GENERAL (ALL TRADES)  
1. IN ACCORDANCE WITH SECTION 1704 OF THE OHIO BUILDING CODE, SPECIAL INSPECTIONS WILL BE REQUIRED FOR THIS PROJECT. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE "SPECIAL INSPECTION REQUIREMENTS" SCHEDULE.

2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY CONDITIONS SUBSTANTIALLY DIFFERENT THAN THOSE SHOWN TO THE ENGINEER. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS AND SPECIFICATIONS OF ALL OTHER DISCIPLINES. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASIS, HANGERS, INSERTS, ANCHORS, HOLES, AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.

3. THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYS AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

4. SHELL + MEYER ASSOCIATES, INC. SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES, AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK.

POST-INSTALLED ANCHORS  
1. INSTALL ALL ANCHORS PER THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS (MPII)  
2. WHERE NOT INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES AS PROVIDED BY HILTI, INC.  
3. CONCRETE SUBSTRATE - U.N.O. USE 3/4" DIA. HILTI HIT HAS THREADED RODS OR HIT Z ANCHOR RODS WITH HIT HY 200 ESR-3187 SYSTEM, ICC ESR-3187. MINIMUM EMBEDMENT 8" @ 3/4"

4. REINFORCING INTO CONCRETE - U.N.O. USE HILTI HIT-RE 300 V3 EPOXY. ICC ESR-3014. MINIMUM EMBEDMENT INTO CONCRETE 4x BAR DIAMETER U.N.O.  
5. UNGRADED CONCRETE MASONRY - USE THE HILTI HIT HY-70 ADHESIVE SYSTEM ICC-ES ESR-2802. U.N.O. STEEL ANCHORS SHALL BE 1/2" DIA. HILTI HIT HAS CONTINUOUSLY THREADED ROD 1/2" MINIMUM EMBEDMENT. USE TWO APPROPRIATELY SIZED MESH SLEEVES PER ANCHOR.

DIVISION 3 - FOUNDATIONS AND CONCRETE  
1. ALLOWABLE NET SOIL BEARING CAPACITY = 1500 PSF ASSUMED  
2. CONCRETE WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE LATEST "AMERICAN CONCRETE INSTITUTE" INCLUDING THE REQUIREMENTS OF ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE MIXES SHALL BE DESIGNED PER ACI 308 USING PORTLAND CEMENT CONFORMING TO ASTM C150 OR C595, AGGREGATE CONFORMING TO ASTM C33, AND ADMIXTURES CONFORMING TO ASTM C494, C101, C618, C898 AND C260. CONCRETE SHALL BE READY MIXED IN ACCORDANCE WITH ASTM C94.  
3. HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.  
4. CONCRETE SHALL ATTAIN THE FOLLOWING ULTIMATE 28 DAY COMPRESSIVE STRENGTHS: 4,000 P.S.I. FOR FOOTINGS AND DRILLED PIERS  
4,000 P.S.I. FOR INT. SLABS ON GRADE, WALLS, WALL PIERS, BEAMS AND COLUMNS  
4,500 P.S.I. FOR EXT. SLABS ON GRADE, RAMPS, LANDINGS AND EXT. STAIR STEPS  
SLUMP SHALL BE 4" ± 1"

5. ALL CONCRETE TO BE PERMANENTLY EXPOSED TO WEATHER SHALL BE AIR ENTRAINED (4.5 TO 5%) WITH AN ADMIXTURE THAT CONFORMS TO ASTM C690 MAXIMUM W/C RATIO 0.45  
6. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 OR ASTM A998, GRADE 60.  
7. TOP OF FOOTING ELEVATIONS SHALL BE AS SHOWN ON THE FOUNDATION PLAN. THESE ELEVATIONS ARE A MAXIMUM AND SHALL BE LOWERED AS REQUIRED TO OBTAIN THE REQUIRED DESIGN BEARING PRESSURE PER THE GEOTECHNICAL ENGINEER'S SPECIFICATION. REFER TO SCHEDULES AND DETAILS FOR MINIMUM FOOTING THICKNESSES.

DIVISION 4 - MASONRY  
1. MASONRY CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR MASONRY STRUCTURES (TMS 602-13)", PUBLISHED BY THE MASONRY SOCIETY.  
2. HOLLOW LOAD BEARING MASONRY UNITS SHALL CONFORM TO ASTM C90.  
3. COMPRESSIVE STRENGTH OF THE BLOCK SHALL BE A MINIMUM 2600 PSI.  
4. ALL BOND BEAMS AND REINFORCED CELLS SOLIDLY WITH GROUT. GROUT SHALL CONFORM TO ASTM C476 AND SHALL OBTAIN A MINIMUM 28 DAY NET COMPRESSIVE STRENGTH OF 2000 P.S.I. UNDER NO CIRCUMSTANCES SHALL MASONRY MORTAR BE USED IN LIEU OF GROUT.  
5. ALL MORTAR SHALL MEET THE "PROPORTION SPECIFICATION" OF ASTM C-270 AND BE MADE WITH PORTLAND CEMENT/TYPE I (NON AIR-ENTRAINED). THE USE OF MASONRY CEMENT MORTAR IS STRICTLY PROHIBITED. USE TYPE "S" FOR WALLS BELOW GRADE AND TYPE "N" FOR ALL OTHER WALLS.  
6. THE MINIMUM 28 DAY NET COMPRESSIVE STRENGTH OF THE MASONRY ASSEMBLY (1" m) SHALL BE 2000 P.S.I. AS DETERMINED BY THE UNIT STRENGTH METHOD OF ACI 530.1.  
7. PROVIDE STEEL JOIST AND BEAM BEARING PLATES AND OTHER ACCESSORIES AS INDICATED. PROVIDE (3) COURSES OF SOLIDLY GROUTED CMU OVER A WIDTH OF 2'-8" BELOW ALL BEAM BEARINGS.  
8. HOOK VERTICAL BARS INTO CONTINUOUS BOND BEAMS AT TOP OF WALLS (BELOW JOIST/TRUSS BEARING).  
9. A PRE CONSTRUCTION MEETING SHALL BE HELD ON-SITE PRIOR TO MASONRY CONSTRUCTION TO REVIEW THE MASONRY REQUIREMENTS OF THE PROJECT. A REPRESENTATIVE FROM SHELL + MEYER ASSOCIATES, INC., THE SPECIAL INSPECTOR, THE MASONRY CONTRACTOR, AND THE GENERAL CONTRACTOR SHALL BE PRESENT.

DIVISION 5 - METALS  
STRUCTURAL STEEL  
1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC RECOMMENDATIONS AND CONFORM TO ANSICC 360-10 AND AISC 360-10 INCLUDED IN THE 14TH EDITION OF THE "STEEL CONSTRUCTION MANUAL".  
2. UNLESS NOTED OTHERWISE, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING ASTM SPECIFICATIONS:  
WIDE FLANGE SECTIONS AND TEES ASTM A992 (50 KSI)  
STRUCTURAL HSS TUBING ASTM A500 Gr. C (50 KSI)  
STEEL PIPE ASTM A53 Gr. C (60 KSI)  
OTHER ROLLED PLATES/SHAPES A36 (36 KSI)  
3. UNLESS NOTED OTHERWISE, BASE PLATE ANCHOR RODS SHALL BE ASTM F1554 (36 KSI). USE NONSHRINK GROUT C-1107 (8000 PSI).  
4. STRUCTURAL STEEL CONNECTIONS SHALL CONSIST OF 3/4" DIA. HIGH STRENGTH ASTM F-185 BOLT AND WELDS WITH A308 ELECTRODES. USE SHEAR TYPE CONNECTIONS SELECTED BY THE CONTRACTOR FOR THE INDICATED SHEAR FORCES INDICATED ON PLAN IN ACCORDANCE WITH THE AISC SPECIFICATIONS FOR ALLOWABLE STRESS DESIGN. U.N.O. USE 5/16" THICK DOUBLE ANGLE CONNECTIONS, (AS RECALLED IN THE AISC "MANUAL OF STEEL CONSTRUCTION"), U.N.O. ON STRUCTURAL DRAWINGS.  
5. UNLESS NOTED OTHERWISE, PROVIDE CONTINUOUS 1/4" FILLET WELDS PER AISC REQUIREMENTS.  
6. TYPICAL LINTELS FOR MASONRY OPENINGS SHALL BE AS FOLLOWS, U.N.O. ON PLANS:  
L3 1/2 x 3 1/2 x 5/16" ANGLES, EACH 4" WALL WIDTH, 4" OPENINGS OR LESS (IF MINIMUM END BEARING, TYPE EACH END)  
L5 x 3 1/2 x 5/16" ANGLES, L.L.V., EACH 4" WALL WIDTH, 4" ± 1" TO 6'-8" OPENINGS (IF MINIMUM END BEARING, TYPE EACH END)  
WBX18 WITH 5/16" PLATE CONTINUOUS (EXTEND PLATE TO END OF BEAM), 6'-8" TO 12'-0" CMU OPENINGS, 12" MIN. BRG. E.E.  
7. UNLESS NOTED OTHERWISE, ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER, INCLUDING ALL BRCK LINTELS, ANGLES AND PLATES, SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153.  
8. COORDINATE ALL ROOF AND FLOOR OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. FRAME OPENINGS WITH L3x3x1/4" ANGLES TYPICAL. U.N.O. CONTRACTOR TO VERIFY UNIT SIZES, WEIGHTS, AND LOCATIONS BEFORE ERECTION.

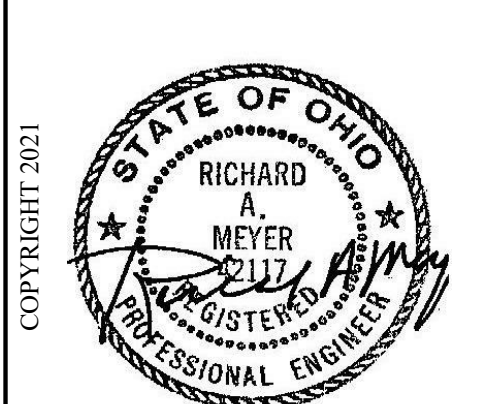
STEEL DECK  
1. STEEL ROOF DECK SHALL BE 1/2" - 1/8 GA. WR TYPE B GALVANIZED G90 PER ASTM A653, U.N.O.  
2. WELD DECK TO SUPPORTS WITH MINIMUM 5/8 INCH PUDDLE WELDS AT 12" o.c. (3044) AND PROVIDE 1/4" THICK SCREEN SHEAR FASTENERS AT 36" O.C. UNLESS SUPERCEDED BY SPECIFICATION OR A TYPICAL DECK ATTACHMENT DETAIL.

DIVISION 5 - METALS  
COLD FORM STEEL FRAMING (CFS)  
1. DESIGN, FABRICATION AND ERECTION OF ALL COLD FORMED STEEL FRAMING MEMBERS SHALL CONFORM TO THE "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" (AIS S100-12).  
2. ALL CFS MEMBERS AND ACCESSORIES SHALL BE FORMED FROM STEEL CONFORMING TO ASTM A1003 WITH A MINIMUM YIELD STRENGTH AS FOLLOWS: 54 mils (16 Ga) AND HEAVIER MEMBERS Fy 50 KSI (GRADE S150H) - 43 mils (16 Ga) AND LIGHTER MEMBERS Fy 33 KSI (GRADE S139H).  
3. ALL MEMBERS SHALL BE GALVANIZED WITH A COATING MEETING THE REQUIREMENTS OF ASTM A653. USE G90 OR EQUIVALENT FOR STUDS WITH A BRICK VENEER. G60 FOR ALL OTHER FRAMING MEMBERS AND ACCESSORIES.  
4. CFS LINTELS SHALL BE UNPUNCHED.  
5. PROVIDE BRIDGING FOR STUDS AT A MAXIMUM SPACING NOT TO EXCEED 4'-0" AND PER MFR. REQUIREMENTS FOR JOISTS AND RAFTERS. ALL BRIDGING SHALL BE INSTALLED PRIOR TO THE ADDITION OF ANY LOADING. CONNECT BRIDGING TO EACH MEMBER BY WELDING, CLIP ANGLES OR OTHER APPROVED METHOD PER THE MANUFACTURER'S REQUIREMENTS.

FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS & CONDITIONS AS REQUIRED BEFORE FABRICATION, TYPICAL.

**SHEET LIST**

Sheet Number	Sheet Name
S-001	STRUCTURAL NOTES
S-101	FOUNDATION & FLOOR PLANS
S-102	ROOF FRAMING PLANS
S-201	FOUNDATION SECTIONS & DETAILS
S-202	METAL STUD FRAMING DETAILS
S-203	TYPICAL MASONRY DETAILS



REVISIONS:

Number	Description	Date
1	VE Revisions	12.16.22

PRINTINGS:

REV SET	DATE
12.16.2022	

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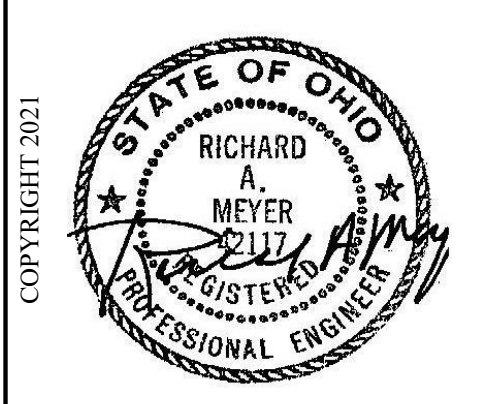


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**S-001**  
STRUCTURAL NOTES





SMA JOB # 22.237.172

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	1	VE Revisions	12.16.22

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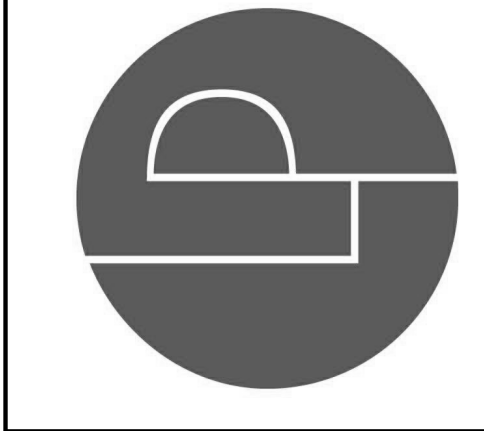
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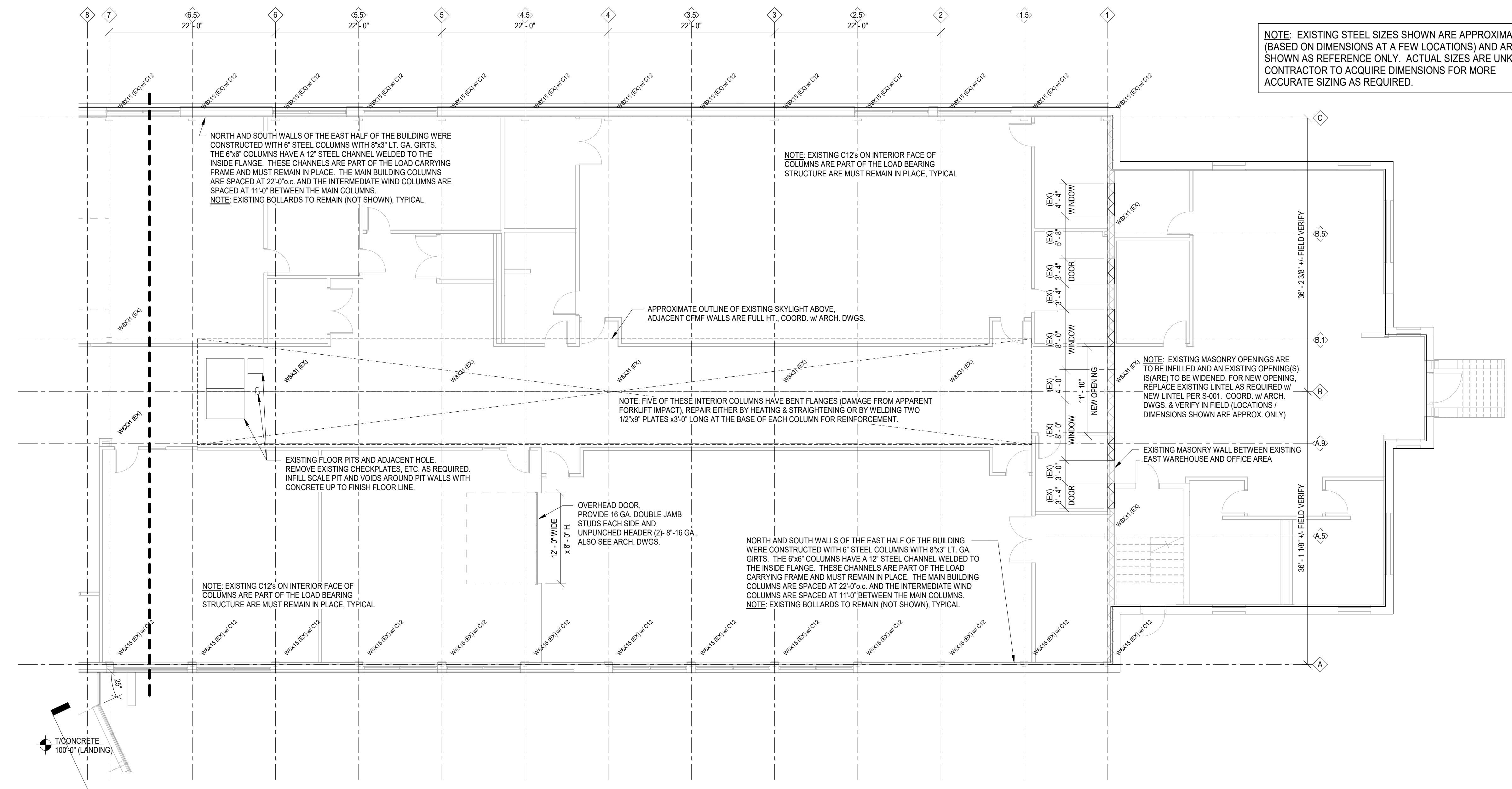
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Levin Porter Associates Inc. 6th Floor Levin Porter Architects



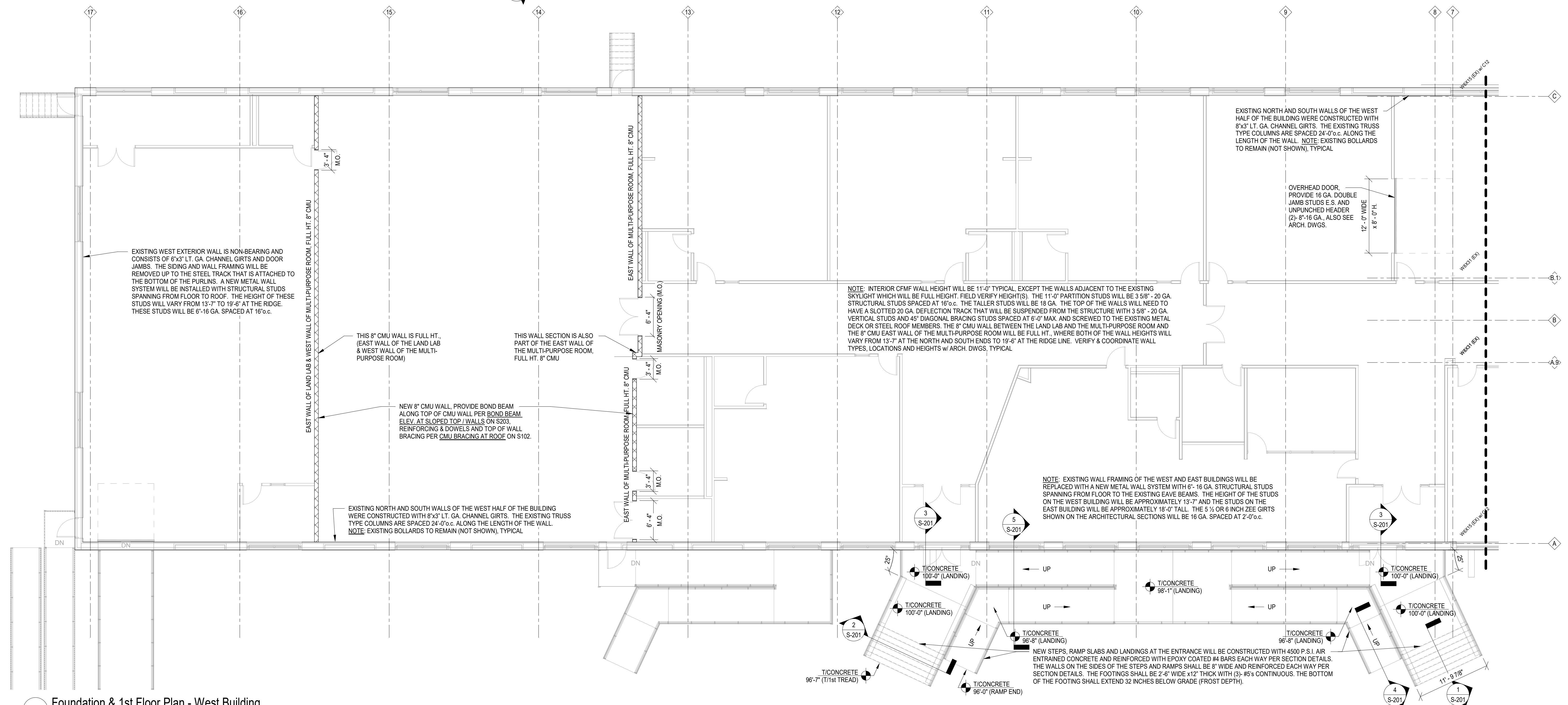
FOUNDATION & FLOOR PLANS

**S-101**

NOTE: EXISTING STEEL SIZES SHOWN ARE APPROXIMATE (BASED ON DIMENSIONS AT A FEW LOCATIONS) AND ARE SHOWN AS REFERENCE ONLY. ACTUAL SIZES ARE UNKNOWN. CONTRACTOR TO ACQUIRE DIMENSIONS FOR MORE ACCURATE SIZING AS REQUIRED.

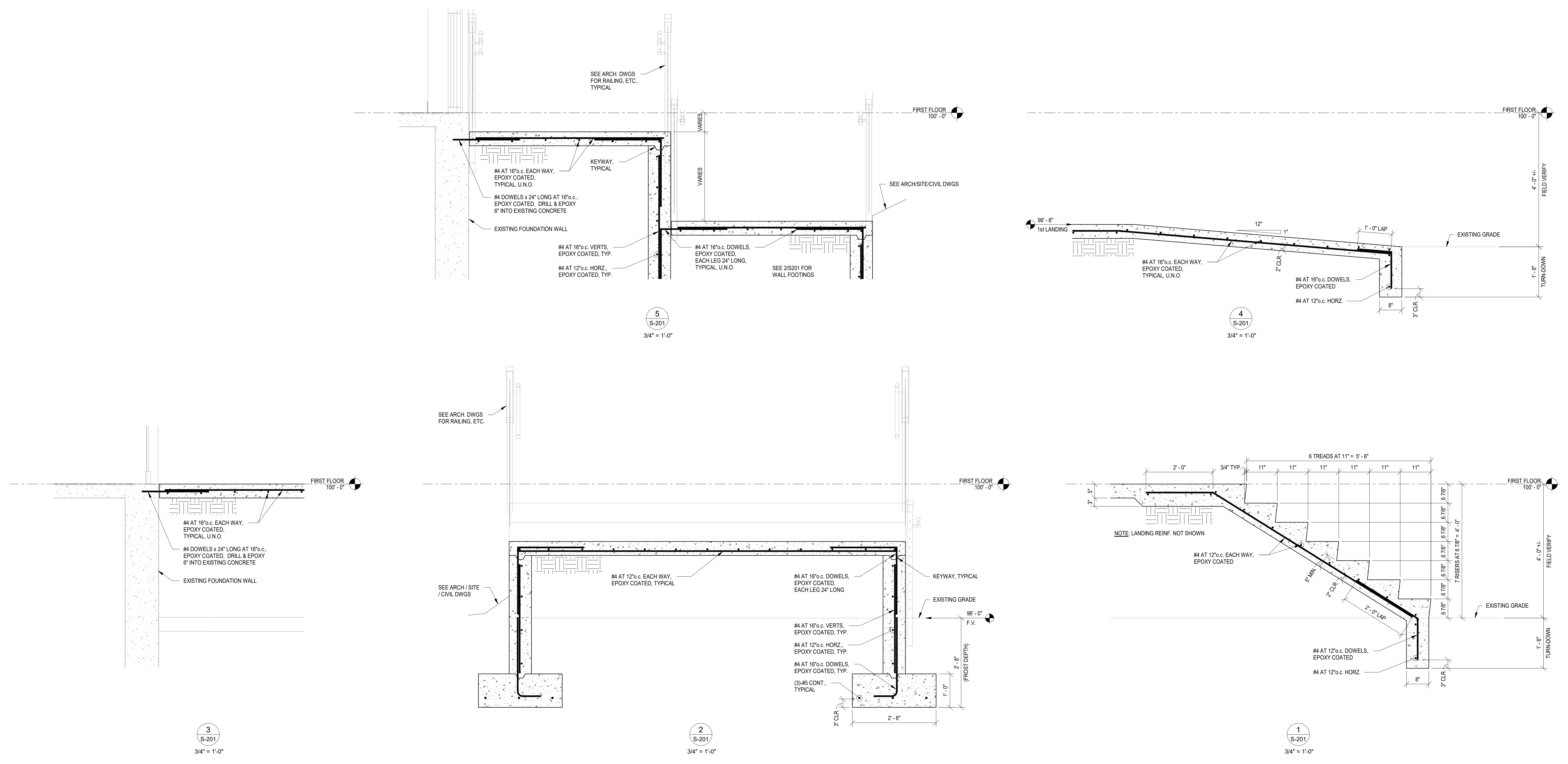


2 Foundation & 1st Floor Plan - East Building & Office  
1/8" = 1'-0"

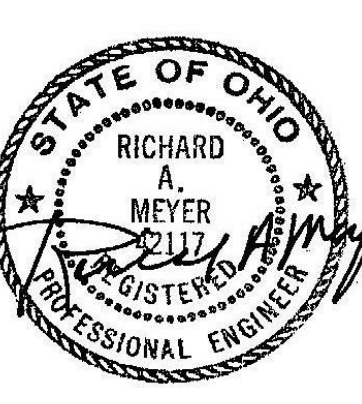


1 Foundation & 1st Floor Plan - West Building  
1/8" = 1'-0"





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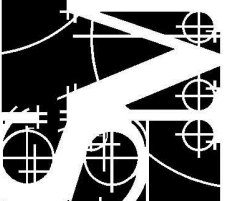
**RICHARD A. MEYER**  
PROFESSIONAL ENGINEER

SMA JOB # 22.237.172

REVISIONS:	Description	Date
1	VE Revisions	12.16.22

PRINTINGS:  
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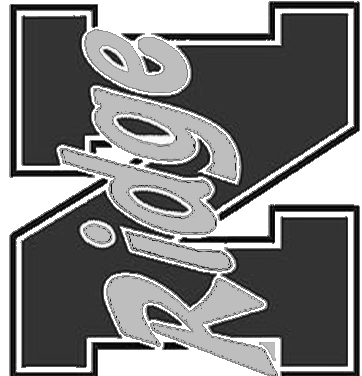
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**FOUNDATION SECTIONS & DETAILS**

**S-201**



Required Net Area Compressive Strength of ASTM C90 Concrete Masonry UNITS

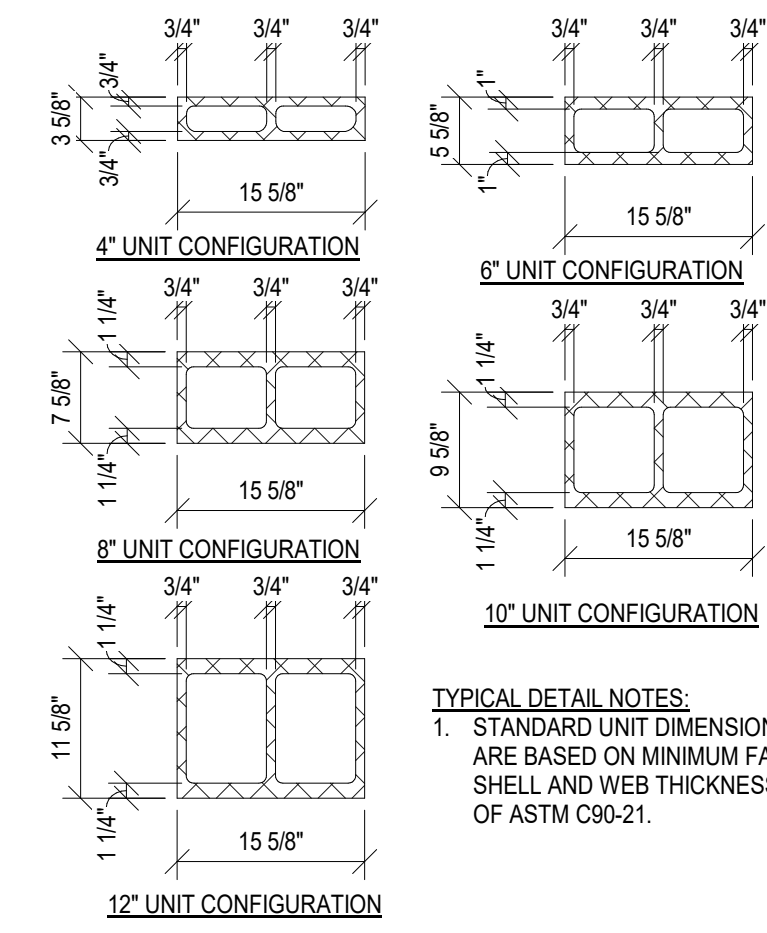
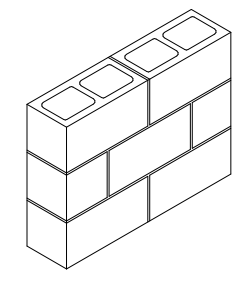
2650 psi

Compressive Design Strength of concrete masonry assembly (including CMU, mortar, grout)

$f' m = 2000 \text{ psi}$

LOCATION	MORTAR TYPE
EXTERIOR ABOVE GRADE, LOAD BEARING	S
AT OR BELOW GRADE	S
INTERIOR, LOAD BEARING	S
SHEARWALLS	S
NON-LOAD BEARING	N

MINIMUM 28 DAY GROUT DESIGN COMPRESSIVE STRENGTH = 2500 psi

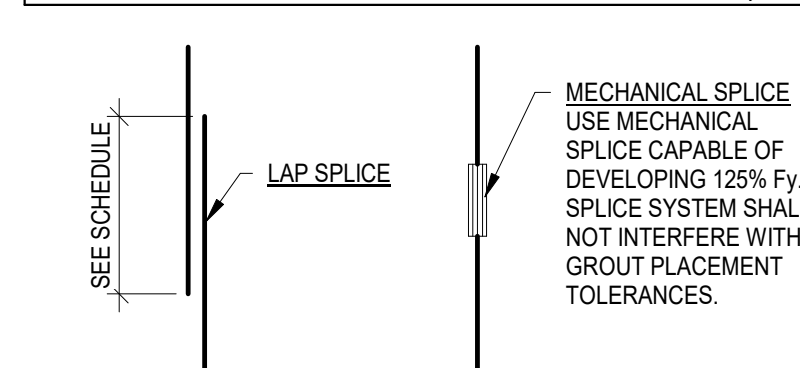


M1 STANDARD BLOCK DIMENSIONS  
3/4" = 1'-0"

MINIMUM LAP SPlice SCHEDULE

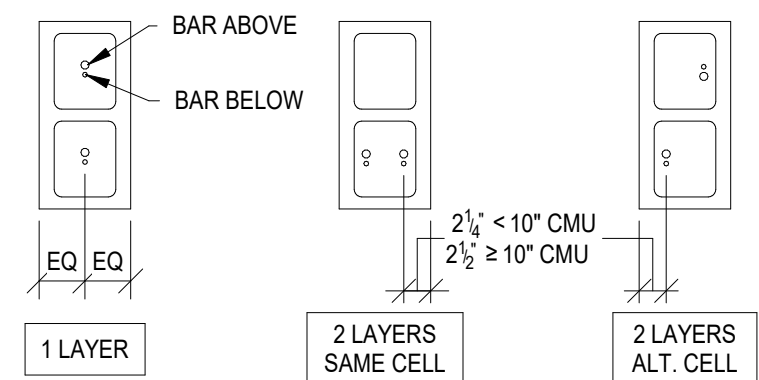
BAR SIZE	LAP LENGTH <sup>1</sup>
#3	27"
#4	36"
#5	45"

\* MECH. SPlice RECD \*  
#6 THRU #9



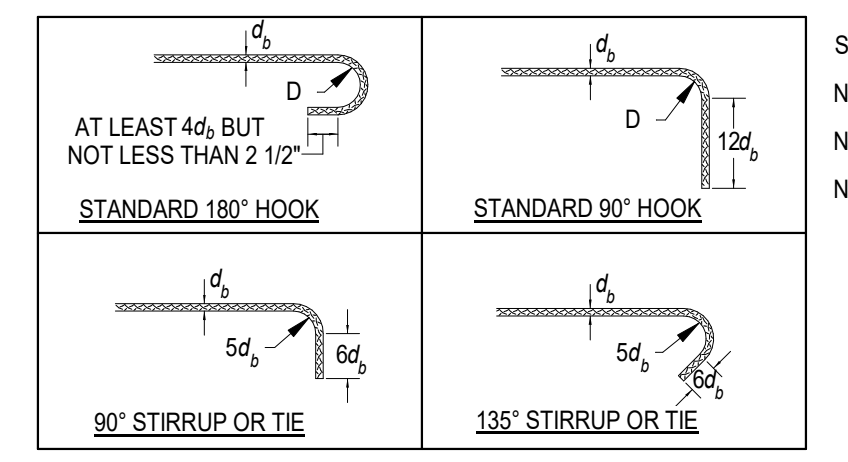
M2 REINFORCING LAP SPLICES  
3/4" = 1'-0"

JOINT REINFORCEMENT

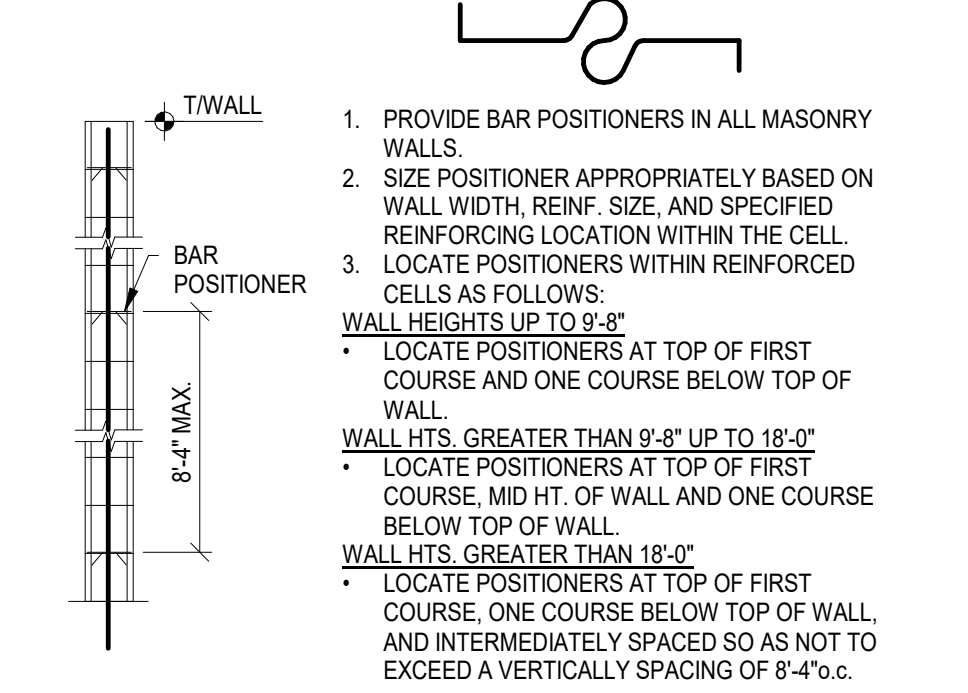


M3 REINFORCEMENT COVER  
3/4" = 1'-0"

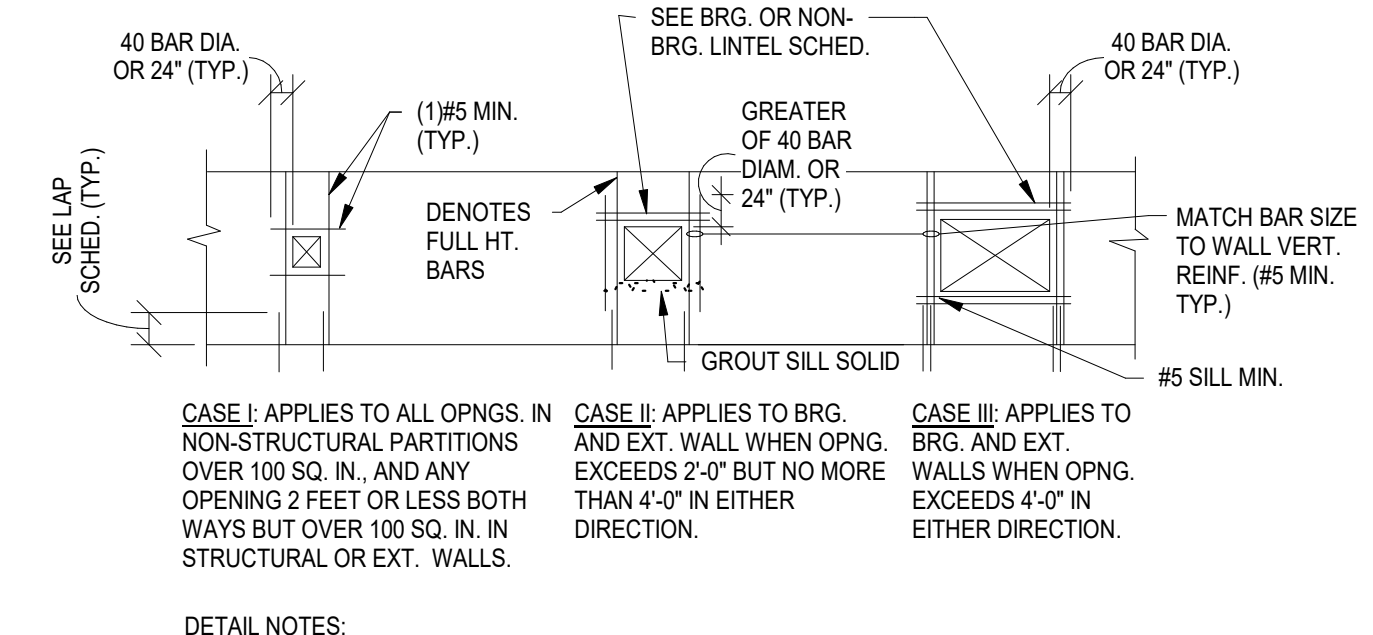
BAR SIZE AND TYPE	MINIMUM DIAMETER OF BEND, D 1/2
No. 3 THRU No. 8	6 BAR DIAMETERS
No. 9	8 BAR DIAMETERS



M4 REINFORCING HOOK DETAILS  
3/4" = 1'-0"

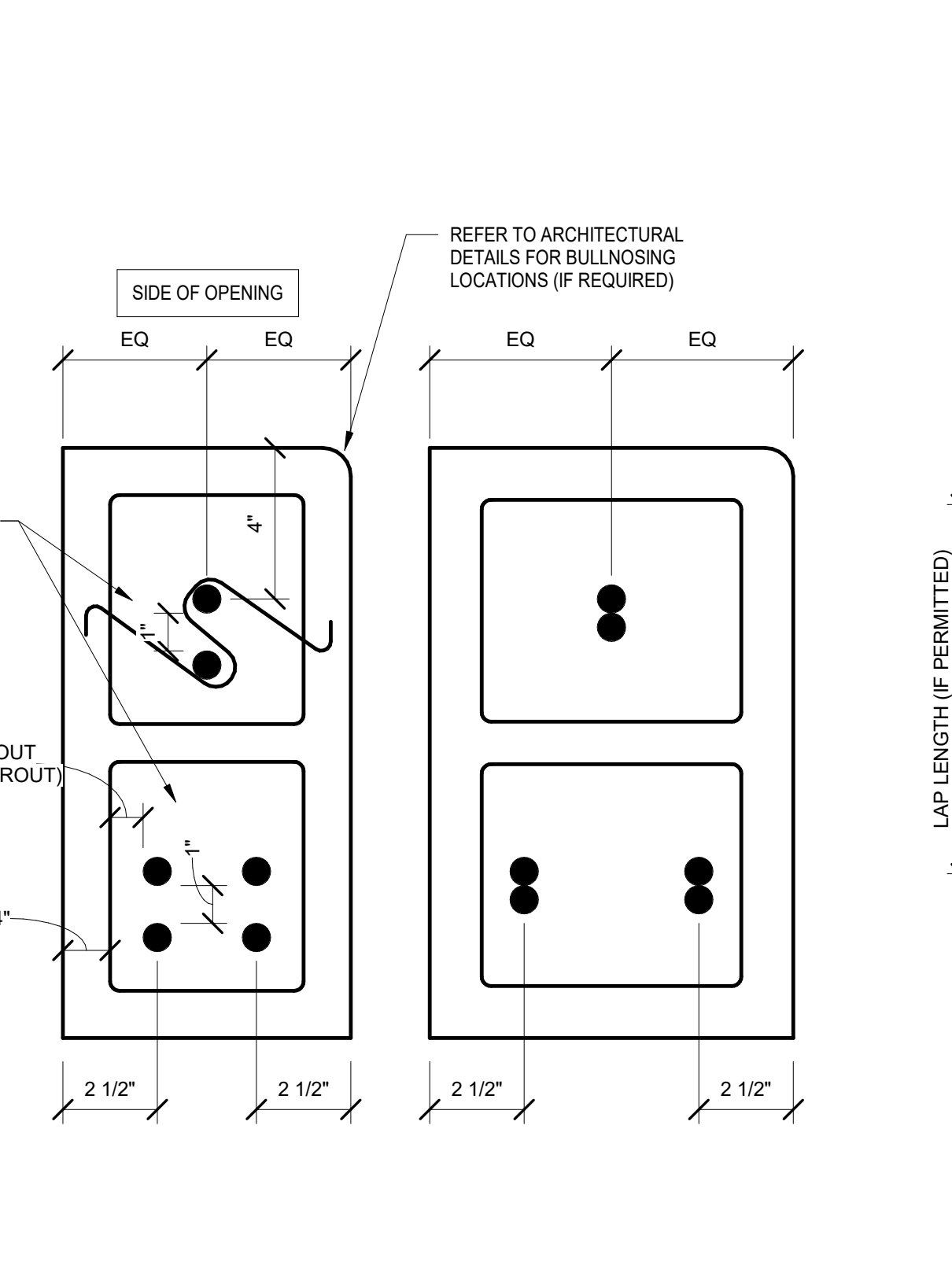
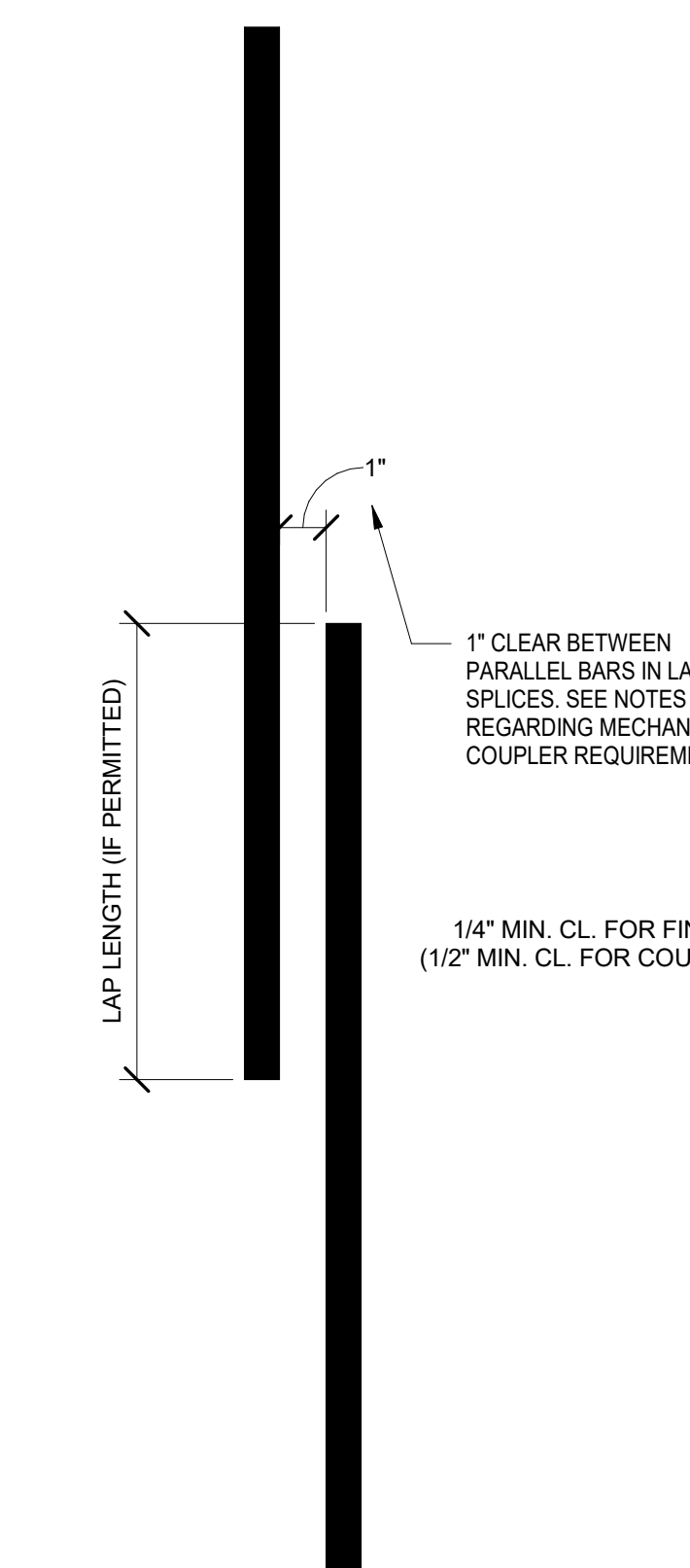


M5 REINFORCING BAR POSITIONERS  
3/4" = 1'-0"

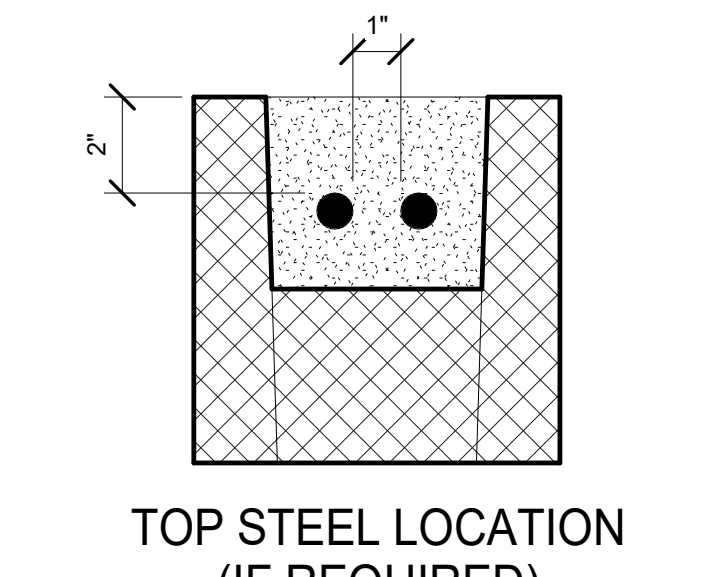


M6 REINFORCING AROUND WALL OPENINGS  
3/4" = 1'-0"

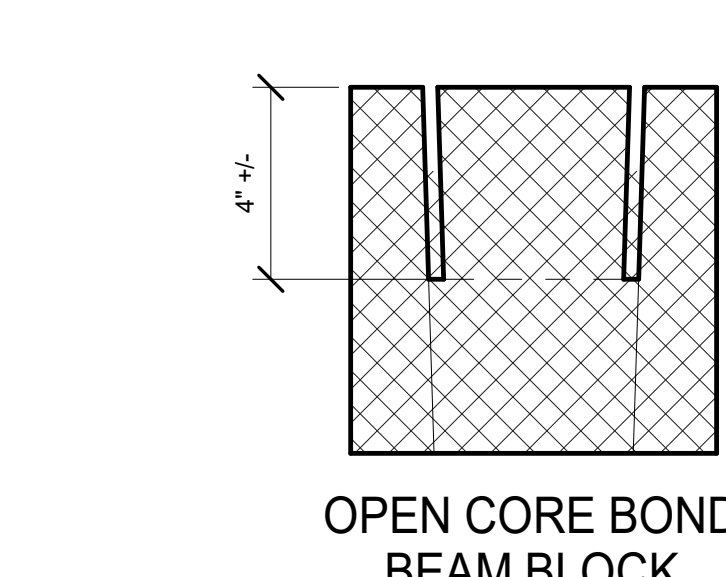
M0 MASONRY AND CMU STRENGTHS  
3/4" = 1'-0"



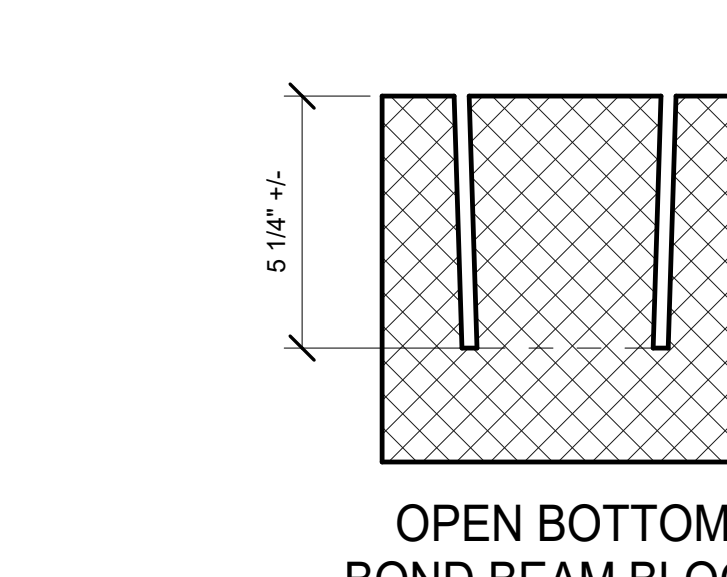
JAMB DETAILS



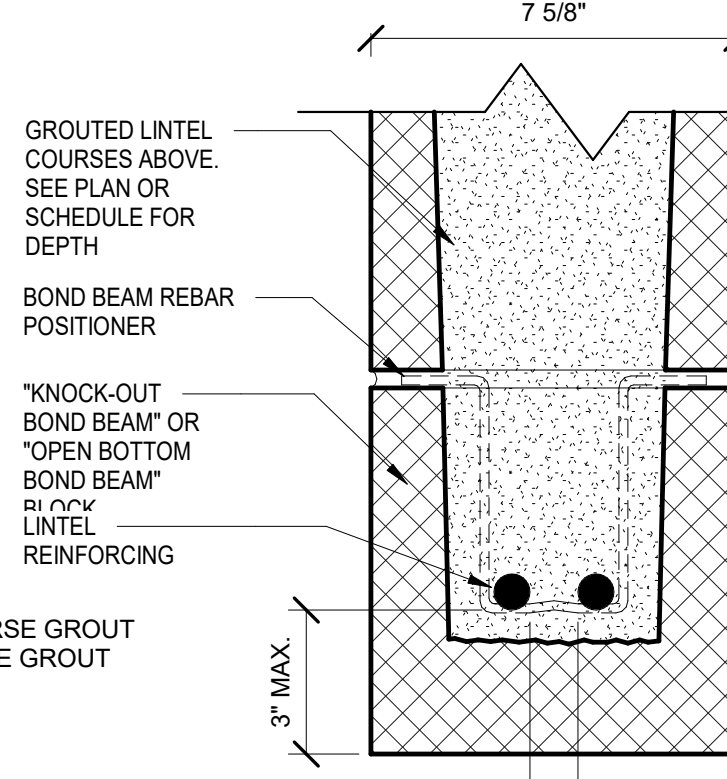
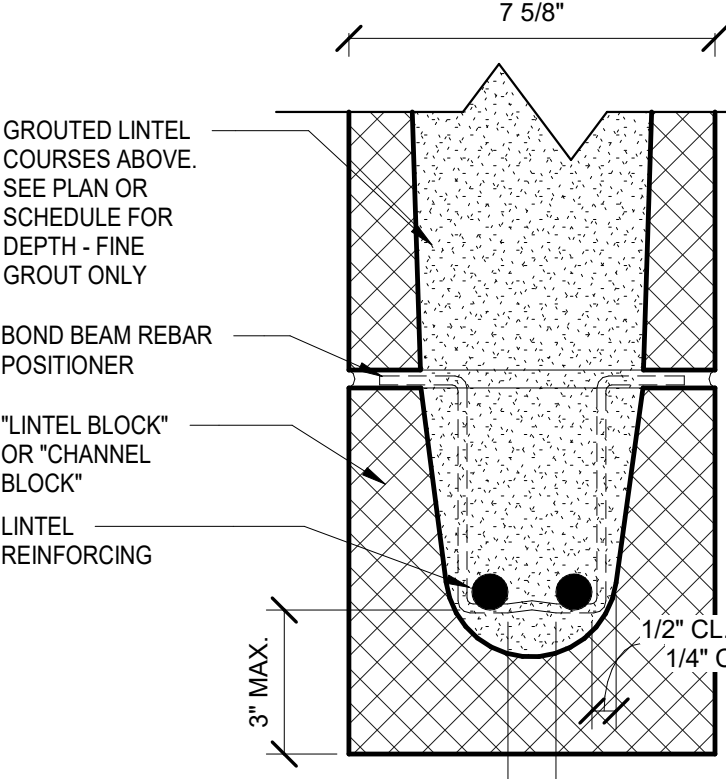
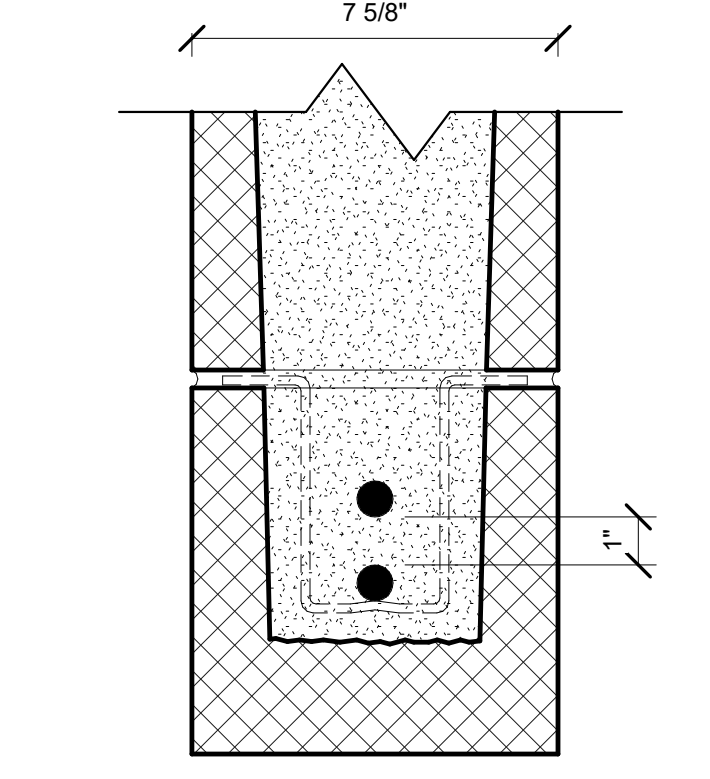
TOP STEEL LOCATION (IF REQUIRED)



OPEN CORE BOND BEAM BLOCK



OPEN BOTTOM BOND BEAM BLOCK



8" CMU LINTEL DETAILS

NON-LOAD BEARING MASONRY LINTEL SCHEDULE

SPAN	REINFORCEMENT
4'-0" < L <= 6'-4"	4" x 4" L x 6" x 4" TOP & BOT.
6'-4" < L <= 8'-0"	4" x 4" L x 6" x 4" TOP & BOT.
8'-0" < L <= 10'-0"	4" x 4" L x 6" x 4" TOP & BOT.



EM1 EMBEDDED CONDUITS, PIPES, AND SLEEVES  
3/4" = 1'-0"

M8 JAMB REINFORCING DETAIL

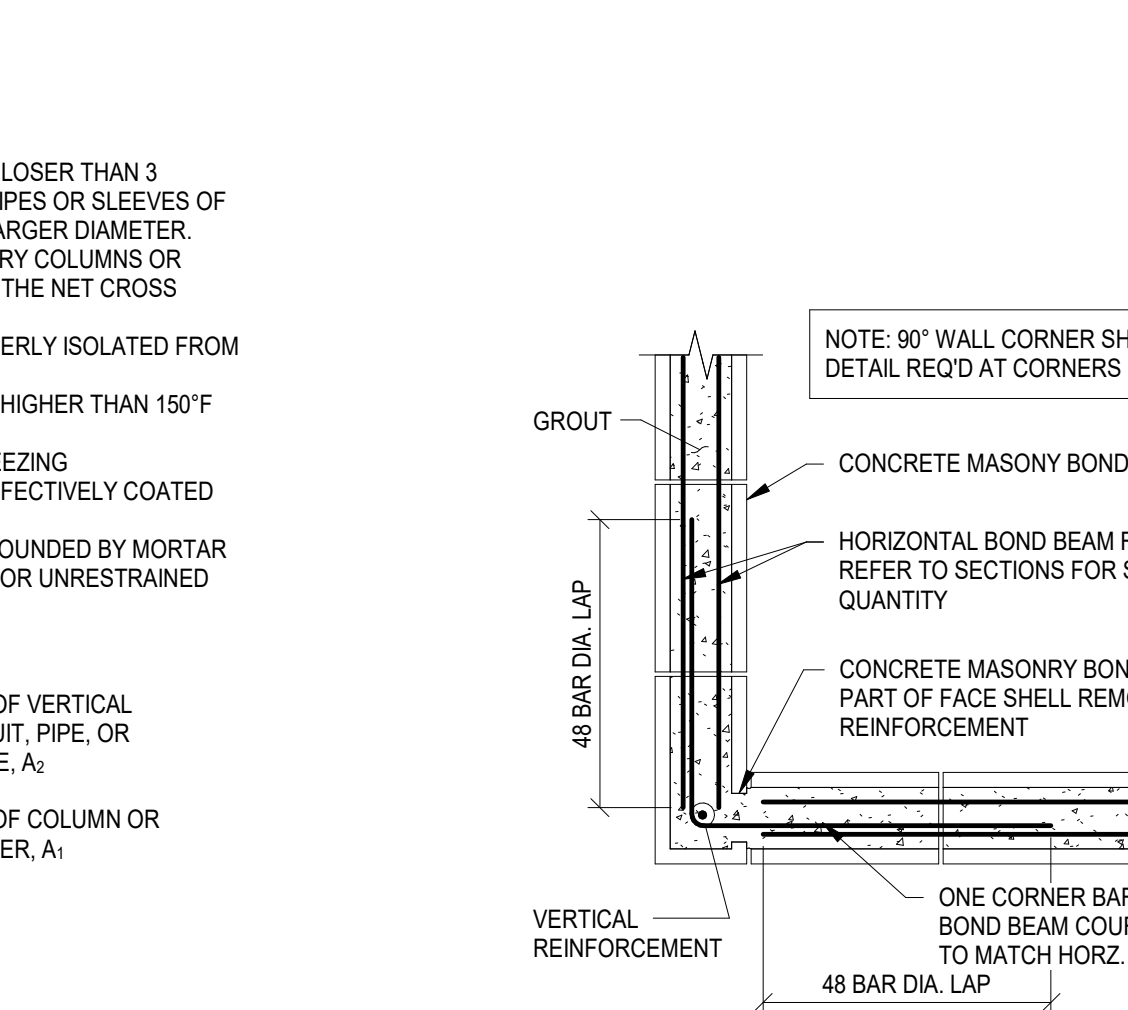


TYP. MASONRY LINTEL SCHEDULE, U.N.O.

SPAN	REINFORCEMENT
4'-0" OR LESS	16" Dp. w (2) #5
4'-0" < L <= 6'-4"	24" Dp. w (2) #5
6'-4" < L <= 8'-0"	32" Dp. w (2) #6
8'-0" < L <= 10'-0"	48" Dp. w (2) #7

- REFER TO ARCHITECTURAL AND/OR MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS.
- SCHEDULE APPLIES ONLY TO LINTELS NOT OTHERWISE SHOWN.
- CONTRACTOR TO PROVIDE TEMPORARY SHORING UNTIL MASONRY HAS PROPERLY SET (3 DAYS MINIMUM).
- PRECAST LINTELS MAY BE USED IN LIEU OF THE MASONRY LINTELS SHOWN. PRECAST MFR. TO SUBMIT DESIGN DATA FOR LINTEL SUBSTITUTION.

MLO Masonry Lintel Schedule  
12" = 1'-0"



MB1 BOND BEAM CORNER DETAIL  
3/4" = 1'-0"

MASONRY NOTES

- MASONRY CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR MASONRY STRUCTURES (TMS 602-310) 1-13" PUBLISHED BY THE MASONRY SOCIETY.
- MASONRY ASSEMBLIES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH ( $f' m$ ) = 2000 psi AS DETERMINED BY THE TENSILE METHOD OF ACI 530.1 AND THE ASSOCIATED TABLE 2.
- MASONRY UNITS SHALL CONFORM TO ASTM C90. MINIMUM NET AREA COMPRESSIVE STRENGTH OF THE UNITS SHALL BE 2650 psi (ASTM C140). USE NORMAL WEIGHT, HOLLOW UNITS, U.N.O.
- PROVIDE SPECIAL UNITS AT 45 DEGREE CORNERS, IF APPLICABLE.
- UNLESS OTHERWISE INDICATED ALL WALLS SHALL BE LAID IN RUNNING BOND. BOND CORNERS AND INTERSECTIONS OF LOAD BEARING WALLS. REFERENCE SHEARWALL DETAILS FOR ISOLATION REQUIREMENTS.
- MORTAR SHALL MEET THE "PROPORTION SPECIFICATION" OF ASTM C-270. AGGREGATE SHALL COMPLY WITH THE GRADATION LIMITS OF ASTM C144. COMPRESSION TESTS OF MORTAR ARE NOT REQUIRED, UNLESS NOTED OTHERWISE.
- USE THE FOLLOWING MORTAR TYPES:  
A. TYPE "N" - FOR STRUCTURAL LOAD BEARING, SHEAR WALLS, AND NON-LOAD BEARING ARCHITECTURAL WALLS.  
B. TYPE "S" - FOR WALLS AT OR BELOW GRADE.
- GROUT SHALL CONFORM TO ASTM C476 AND SHALL OBTAIN A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2500 psi (ASTM C1019). FILL ALL REINFORCED CELLS SOLIDLY WITH GROUT. UNDER NO CIRCUMSTANCES SHALL MASONRY MORTAR BE USED IN LIEU OF GROUT.
- REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615, GRADE 60. SHOP FABRICATE REINFORCING BARS WHICH ARE SHOWN TO BE HOOKED OR BENT. REFER TO TABLE ON THIS SHEET FOR MINIMUM LAP SPlice LENGTHS.
- MECHANICAL REINFORCING COUPLERS SHALL BE USED IN LIEU OF THE NOTED LAP LENGTHS TO DEVELOP THE DESIGN BAR STRENGTH AT SPLICES FOR #6 BARS AND GREATER. SUBMIT COUPLER DESIGN DATA TO ENGINEER FOR APPROVAL AND INSTALL PER MFR. SPECIFICATIONS. DO NOT USE FLANGED COUPLERS.
- PLACE REINFORCING AT CENTERLINE OF EACH WALL, UNLESS INDICATED AT EACH FACE. SEE TYPICAL VERTICAL REINFORCING BARS DETAIL ON THIS SHEET.
- PROVIDE VERTICAL REINFORCING BARS OF THE GIVEN SIZE AND SPACING AS INDICATED. PROVIDE BARS AT ALL WALL CORNERS, INTERSECTIONS, AND OPENING EDGES.
- PROVIDE STANDARD HOOK ON VERTICAL WALL REINFORCING EXTENDING INTO BOND BEAM AT TOP OF ALL WALLS SUPPORTING ROOF FRAMING. HOOK BARS MAY BE #4 BARS, U.N.O.
- REINFORCING MAY BE DRILLED AND EPOXY GROUTED INTO CONCRETE FOUNDATION FOR BETTER COORDINATION WITH MASONRY CELL LOCATIONS (SHEARWALL END REINFORCING REQUIRES CAST-IN-PLACE DOWELS).
- FOR CMU BELOW GRADE, GROUT ALL CELLS SOLID.
- ADDITIONAL GROUTED CELLS ARE REQUIRED AT POST INSTALLED ANCHOR LOCATIONS TO MAINTAIN MINIMUM ANCHOR DESIGN VALUES.
- PROVIDE STEEL JOIST AND BEAM BEARING PLATES AND OTHER ACCESSORIES AS INDICATED.
- PROVIDE 3 COURSES OF SOLIDLY GROUTED CMU OVER A WIDTH OF 2'-0" BELOW ALL BEAM BEARINGS. GROUT CUT BLOCKS SOLID WHEN USED ABOVE BOND BEAMS TO SET BEARING ELEVATIONS.
- PROVIDE TESTS, SUBMITTALS, AND INSPECTIONS IN ACCORDANCE WITH THE SPECIAL INSPECTION TABLE NOTED IN THE CONSTRUCTION DOCUMENTS.
- THE MASONRY CONTRACTOR SHALL PROVIDE ALL TEMPORARY WALL BRACING DURING CONSTRUCTION (SEE GENERAL STRUCTURAL NOTES).
- MASONRY SHOP DRAWINGS: SHOW ELEVATIONS OF REINFORCED WALLS AT ALL STRUCTURAL EXTERIOR LOAD BEARING AND SCHEDULED SHEAR WALLS. CONTRACTOR COORDINATE OPENINGS (DOORS, WINDOWS, MECHANICAL DUCT PENETRATIONS, ETC.) WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. PLEASE SUBMIT AT LEAST 28 DAYS PRIOR TO START OF MASONRY WORK.
- PRE CONSTRUCTION MEETING SHALL BE HELD ON-SITE PRIOR TO MASONRY CONSTRUCTION TO REVIEW THE MASONRY REQUIREMENTS OF THE PROJECT. A REPRESENTATIVE FROM SHELL + MEYER ASSOCIATES, INC., THE SPECIAL INSPECTOR, THE MASONRY CONTRACTOR, AND THE GENERAL CONTRACTOR SHALL BE PRESENT.

NON-LOAD BEARING WALLS

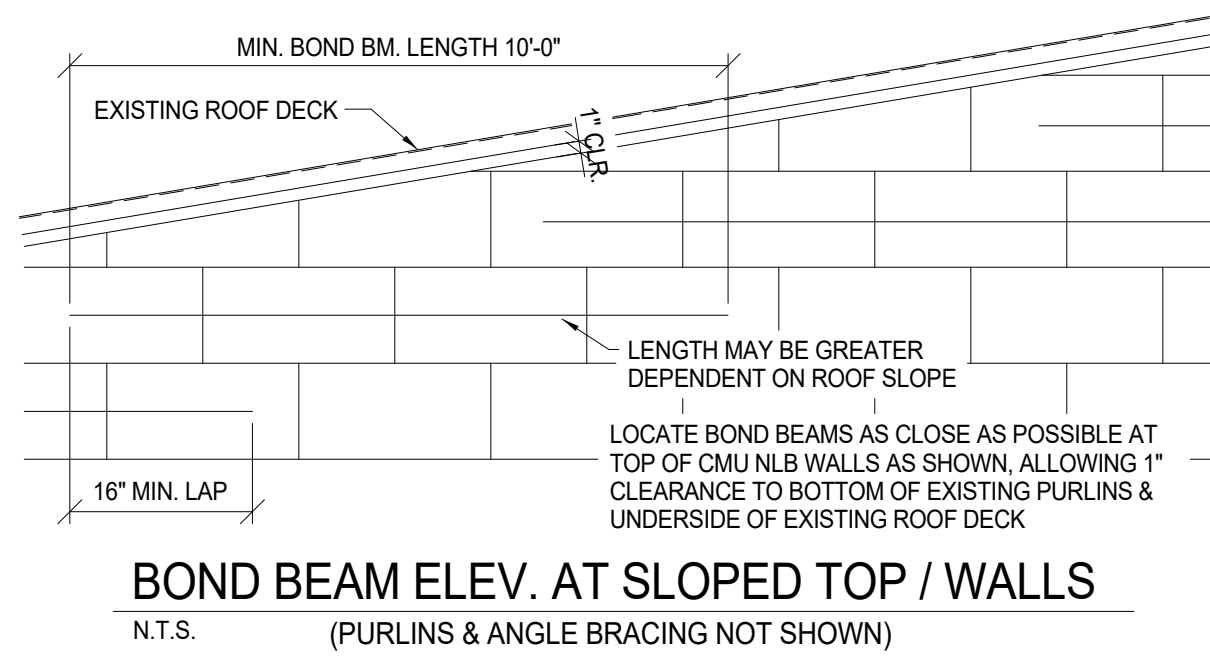
- NON-LOAD BEARING PARTITIONS - (INTERIOR WALLS U.N.O.)
- REFER TO SCHEDULE BELOW FOR NON-LOAD BEARING WALL REINFORCING.
  - MINIMUM LATERAL LOAD = 50psf PER CBC 1807.13.
  - VERTICAL BARS SHALL BE LOCATED WITHIN 8" OF THE ENDS OF ALL WALLS AND MOVEMENT/CONSTRUCTION JOINTS. BARS SHALL BE LOCATED WITHIN 16" OF ALL DOOR, WINDOW, AND MECHANICAL JAMBS OF OPENINGS GREATER THAN 16" WIDE.
  - ALL NON-LOAD BEARING WALLS SHALL BE BRACED AT THE TOP OF THE WALL WITH BRACES NOT TO EXCEED THE SPACING INDICATED IN THE TABLE, UNLESS NOTED OTHERWISE.  
A. PROPRIETARY BRACES SHALL BE CAPABLE OF RESISTING A MINIMUM LATERAL LOAD EQUAL TO 180 lb. PER BRACE.  
B. REFER TO SHEAR WALL SCHEDULE FOR WALLS REQUIRING ADDITIONAL DETAILS AND REINFORCING TO TRANSFER THE REQUIRED SHEAR TO THE FOUNDATIONS.

MAX. HT.	SPACING OF T/WALL BRACES	6" CMU	8" CMU	10" CMU	12" CMU
15'-0"	56" o.c.	#4 AT 120" o.c.	#4 AT 120" o.c.	#4 AT 120" o.c.	#4 AT 120" o.c.
17'-0"	48" o.c.	#4 AT 72" o.c.	#4 AT 120" o.c.	#4 AT 120" o.c.	#4 AT 120" o.c.
20'-0"	40" o.c.	NP	#4 AT 120" o.c.	#4 AT 120" o.c.	#4 AT 120" o.c.
25'-0"	32" o.c.	NP	#4 AT 72" o.c.	#4 AT 120" o.c.	#4 AT 120" o.c.
30'-0"	24" o.c.	NP	#4 AT 56" o.c.	#4 AT 72" o.c.	#4 AT 120" o.c.
35'-0"	SEE DETAILS	NP	NP	NP	#4 AT 72" o.c.

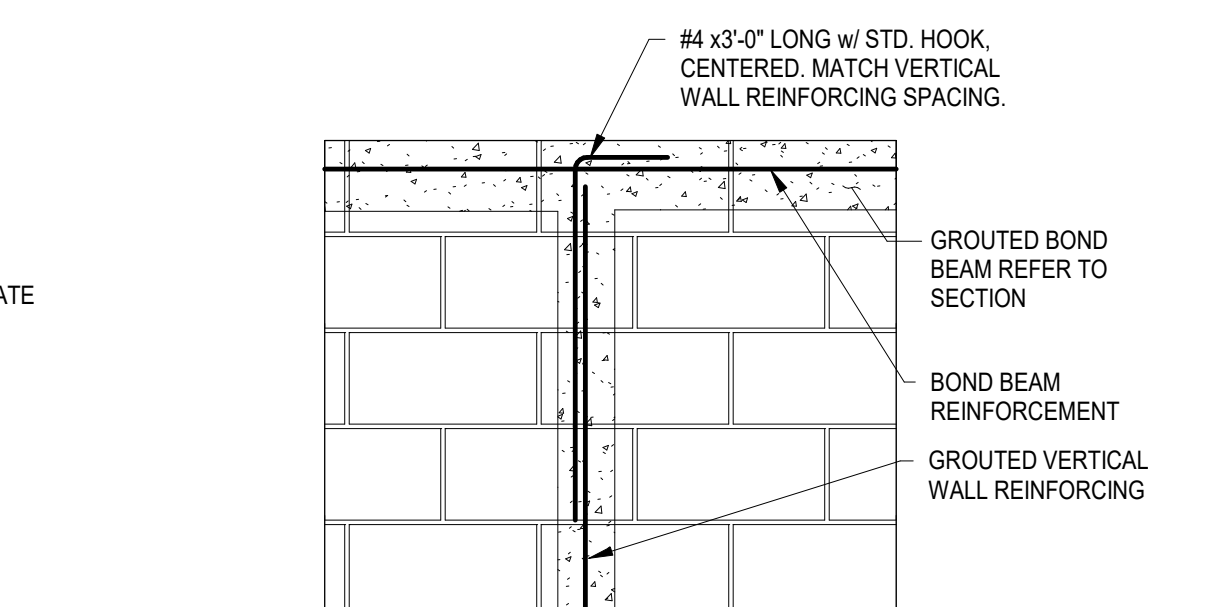
NP = NOT PERMITTED

CMU BOND BEAM NOTES

- TYP. MASONRY BOND BEAM REQUIREMENTS (U.N.O.)
- TYPICAL SIZE AND REINFORCING, U.N.O.  
A. 6" NOMINAL CMU WALL - (1) #4 CONT. #30"x30" CORNER BARS  
B. 8", 10", 12" NOMINAL CMU WALL - (2) #4 CONT. #30"x30" CORNER BARS  
C. NON-BEARING PARTITIONS - (1) #4 CONT.
  - PROVIDE A FULL 16" DEEP BOND BEAM U.N.O., PLUS A CUT COURSE OF CMU WHERE WALL HEIGHT DOES NOT WORK OUT TO FULL COURSE. BOTH BOND BEAM AND CUT COURSE SHALL BE FULLY GROUTED.
  - 16" DEEP BOND BEAMS ARE TO BE CONTINUOUS AND SPACED AT BEARING ELEVATIONS OF FLOOR AND ROOF FRAMING OF ALL LOAD BEARING WALLS, AND 8" DEEP AT TOP OF ALL PARAPETS.
  - LOCATE 16" DEEP BOND BEAM AT LANDING ELEVATION OF ALL STAIRS. BEAM APPROXIMATELY EVEN WITH LANDING CEILING.
  - WALLS GREATER THAN 12'-0" TALL (TO BEARING ELEV.) REQUIRE ADDITIONAL HORIZONTAL SHRINKAGE REINFORCING. PROVIDE #4 BOND BEAM AT 10'-0" o.c. VERTICAL. DISCONTINUE AT CONTROL JOINTS.
  - COORDINATE LOCATION OF BOND BEAMS WITH ARCHITECTURAL AND STRUCTURAL WALL SECTIONS.
  - SEE FRAMING DETAILS FOR LOCATIONS OF ADDITIONAL BOND BEAMS AND SPECIAL SLOPING BOND BEAMS.
  - STEP BOND BEAMS IN 8" OR 16" VERTICAL INCREMENTS AT SLOPING DECK LOCATIONS. LAP STEPPED BOND BEAMS A MINIMUM OF 4'-0" AND TIE TOGETHER PER DETAIL M16.
  - WALL ANCHORS INTO CMU REQUIRE A MINIMUM OF 6" GROUT COVER IN ANY DIRECTION FROM CENTER OF ANCHOR.
  - BOND BEAMS FOR INTERIOR NON-LOAD BEARING MASONRY PARTITIONS SHALL HAVE A MINIMUM OF (1) #4 CONT. AT TOP OF WALL.  
A. LESS THAN 10'-0" BETWEEN INTERSECTING WALLS. USE TYPICAL BOND BEAM  
B. 10'-0" TO 30'-0" BETWEEN INTERSECTING WALLS. USE 16" DEEP BOND BEAM WITH (2) #5 TOP & BOTTOM  
C. OVER 30'-0" BETWEEN INTERSECTING WALLS. SUBMIT R.F.I. TO ARCHITECT



BOND BEAM ELEV. AT SLOPED TOP / WALLS (PURLINS & ANGLE BRACING NOT SHOWN)



MB2 VERTICAL REIN. HOOK TO BOND BEAM  
3/4" = 1'-0"

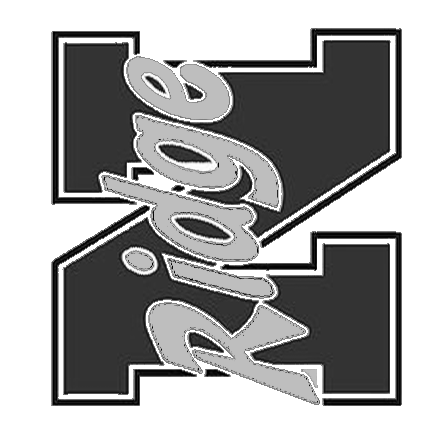


SMA JOB # 22.237.172

REVISIONS	Number	Description	Date
	1	VE Revisions	12.16.22

CONSULTANTS  
SHELL + MEYER ASSOCIATES, INC.  
Structural, Mechanical, Electrical, and Plumbing Engineering  
4407 PAINNE AVE.  
DAYTON, OH 45414

NLSD TRUCKING TERMINAL - RENOVATION



PROJECT NO: 223428.00  
CHECKED BY: RAM  
DRAWN BY: C/JW  
DATE: 12.16.2022

LEVIN PORTER ARCHITECTS  
3011 NEUMARK DRIVE  
MARIETTA, OHIO 45742  
0-837.224.1931  
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TYPICAL MASONRY DETAILS

S-203















AHU Schedule																	
Equipment Tag	Manufacturer & Model Number	Air Flow				Heating			Cooling		Electric					Notes	
		SA CFM (Max)	OA CFM (Min)	Ext. Sp.	Min OA%	Heating Input (MBH)	Heating Output (MBH)	Heat Type	Nominal Tonnage	Sensible Cooling (MBH)	Total Cooling Load (MBH)	Motor HP	Voltage	Phase	Hz.		MCA
AHU-1	Carrier 48A9T050CRM6SAE	17,500	4,723	1.7" wc	27%	800	648	N Gas	50	406	25	460V	3	60	120	150	On pad, on grade. R410A Refrigerant
AHU-2	Carrier 48A9T025CNV6SAE	10,540	1,312	1.0" wc	12%	525	425	N Gas	25	221	10	460V	3	60	62	70	On pad, on grade. R410A Refrigerant

ELECTRIC HEATER SCHEDULE								
Heater Tag	Room	Mounting	Make	Basis of Design	KW	V	P	MCA
EH-1	43- entry way	surface	Omark	AWF2002TW	2.00	208V	1P	9.61
EH-2	42 stairs	surface	Omark	AWF3002TW 3/2.25 KW HEAT	3.00	208V	1P	14.42
EH-3	27 Vestibule	surface	Omark	AWF3002TW 3/2.25 KW HEAT	3.00	208V	1P	14.42
EH-4	23 Vestibule	surface	Omark	AWF3002TW 3/2.25 KW HEAT	3.00	208V	1P	14.42
EH-5	Zone 4 Door	surface	Omark	AWF2002TW	2.00	208V	1P	9.61
EH-6	Zone 4 Door	surface	Omark	AWF2002TW	2.00	208V	1P	9.61

EXHAUST FAN SCHEDULE											
MARK	AREA SERVED	MANUFACTURER	MODEL	CFM	ESP (\"WC)	VOLT/PHASE	MOTOR (HP)	DRIVE	BAROMETRIC DAMPER	SOUND (SONES)	CONTROL
EF-1	RR #37 old	Greenheck	G-60-E	70	0.125	208V-1P	FRAC.	Direct	Yes	0.3	Note A
EF-2	RR- 38,39	Greenheck	G-090-G	420	0.25	208V-1P	FRAC.	Direct	Yes	5.5	Note A
EF-3	1,1,36	Greenheck	G-070-G	140	0.25	208V-1P	FRAC.	Direct	Yes	2.8	Note A
EF-4	32,31	Greenheck	G-070-G	140	0.25	208V-1P	FRAC.	Direct	Yes	2.8	Note A
EF-5	RR office	Greenheck	G-60-E	70	0.25	208V-1P	FRAC.	Direct	Yes	2.8	Note A
EF-6	RR	Greenheck	G-070-G	140	0.25	208V-1P	FRAC.	Direct	Yes	4.4	Note A
EF-7	Jan Closets	Greenheck	G-090-G	210	0.125	208V-1P	1/4	Direct	Yes	8.1	Note B
EF-8	Common RRs	Greenheck	G-095-D	500	0.3	208V-1P	1/4	Direct	Yes	8.6	Note A

Notes:  
A. Fan operation connected to the room occupancy sensor.  
B. Fan operation connected to a 2 pole switch on the wall.

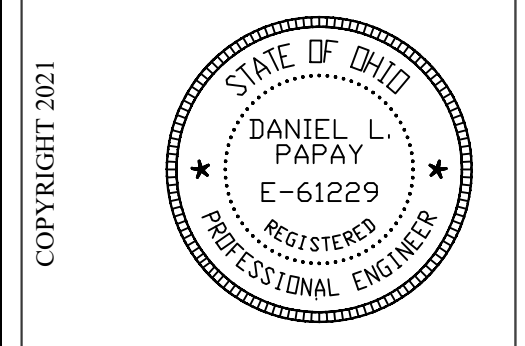
COMBINATION FIRE AND SMOKE DAMPER SCHEDULE					
TAG	MAKE (or equal)	MODEL (or equal)	FPM	NOTES	
FSD-1	Greenheck	OFSD-211	< 1500	A	
FSD-2	Greenheck	FSD-211M	< 1500	A	
FSD-3	Greenheck	OFSD-211	< 500	A	
FSD-4	Greenheck	FSD-211M	< 1500	A	
A	Final selection to be approved by architect and fire alarm system contractor				

Variable Volume Terminal Box Schedule					
Box No.	Room(s) Served	Max CFM	Neck Size (in)	Manufacturer*	Model No.*
VVT-1	Restrooms (West)	220	6	Price	SDV
VVT-2	Preschool Classroom	1100	10	Price	SDV
VVT-3	Preschool Classroom	1100	10	Price	SDV
VVT-4	Preschool Classroom	1100	10	Price	SDV
VVT-5	Landing Zone (Center)	450	7	Price	SDV
VVT-6	Preschool Classroom	1100	10	Price	SDV
VVT-7	Admin. Area	480	7	Price	SDV
VVT-8	Counselor/Conf./Admin	735	8	Price	SDV
VVT-9	Classroom	1100	10	Price	SDV
VVT-10	Classroom	1100	10	Price	SDV
VVT-11	Classroom	1100	10	Price	SDV
VVT-12	Teach. Labs/Changing/Hall	1175	10	Price	SDV
VVT-13	Classroom/Hall	1350	12	Price	SDV
VVT-14	Advanced Manuf.	1100	10	Price	SDV
VVT-15	Advanced Manuf./Hall	1450	12	Price	SDV
VVT-16	Allied Health	1100	10	Price	SDV
VVT-17	Allied Health/Hall	1450	12	Price	SDV
VVT-18	Office/Storage/Jan	375	6	Price	SDV
VVT-19	Office/Storage	235	6	Price	SDV
VVT-20	Landing Zone (East)	1375	12	Price	SDV
VVT-21	Restrooms (East)	500	7	Price	SDV

AIR DEVICE SCHEDULE				
MARK	DESCRIPTION	NECK SIZE	CFM RANGE	REMARKS
A	24"x24" STANDARD CONED CEILING DIFFUSER FOR MOUNTING IN A LAY-IN CEILING	8"ø	0-299	WHITE BAKED ENAMEL FINISH.
		10"ø	300-429	
		12"ø	430-630	
B	ROUND, DUCT MOUNTED SUPPLY AIR DIFFUSER	16"ø	0-1150	WHITE BAKED ENAMEL FINISH
C	RECTANGULAR SUPPLY AIR GRILLE SURFACE MOUNTED	---	---	WHITE BAKED ENAMEL FINISH SIZE NOTED ON PLANS
D	EGGCRATE RET./EXH AIR GRILLE FOR MOUNTING IN A LAY-IN CEILING	---	---	WHITE BAKED ENAMEL FINISH SIZE NOTED ON PLANS

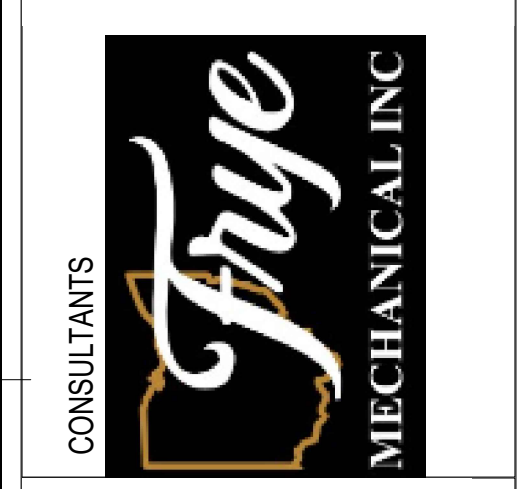
EXAMPLE: A=10-310 CFM  
NECK SIZE  
TYPE OF DIFFUSER OR GRILLE

VENTILATION AND EXHAUST AIR CALCULATION																	
Area	Room	Room #	Area	Sink	Toilet	Urinal (mens)	Shower	Occupancy (architect provided)	Only Exhaust Air	EA CFM at 70 per F	OA CFM/Person	OA CFM/SE area	EA CFM/SE	Total OA CFM	Min OA CFM Next Whole Number	EA CFM	EA Next s5 number
Land Lab Area (Zone 4)	Storage	38 old	216.89											0			
Land Lab Area (Zone 4)	Toilet	37 old	71.94	1	1				YES	70						70	70
Land Lab Area (Zone 4)	Land Lab	36 old	2254.04					30			7.5	0.06	0	360.2424	361		
Land Lab Area (Zone 4)	Office	39 old	108.83					2			5	0.06	0	16.5298	17		
Gym Area (Zone 5)	Multi Purpose	30 old	3684					30			7.5	0.06	0	446.04	447		
Gym Area (Zone 5)	Womens RR	38	153.06	2	3					210					210	210	210
Gym Area (Zone 5)	Mens RR	39	153.06	2	1	2				210					210	210	210
Zone 1	Pre School Classroom	1	833					23			10	0.12	0	329.96	330		
Zone 1	TLT for #1	1.1	56	1	1				Yes	70					70	70	70
Zone 1	Pre School Classroom	2	833					23			10	0.12	0	329.96	330		
Zone 1	TLT	3	56	1	1				Yes	70					70	70	70
Zone 1	TLT	4	56	1	1				Yes	70					70	70	70
Zone 1	Pre School Classroom	5	833					23			10	0.12	0	329.96	330		
Zone 1	Conference	28	234.57					8			5	0.06	0	54.0742	55		
Zone 1	Admin/Secretarial	29	1201.69					18			5	0.06	0	162.1014	163		
Zone 1	TLT	32	56	1	1				Yes	70					70	70	70
Zone 1	TLT	31	56	1	1				Yes	70					70	70	70
Zone 1	Vestibule	33	106.65											0			
Zone 1	Landing Zone	34	315.15					13			7.5	0.06	0	116.409	117		
Zone 1	Pre School Classroom	35	828.21					23			10	0.12	0	329.3852	330		
Zone 1	TLT	36	56	1	1				Yes	70					70	70	70
Zone 1	Storage	37	105											0			
Zone 1	Hallway	40	1101.56								0	0.06	0	66.0936	67		
Zone 2	Pre School Classroom	6	893.34					23			10	0.12	0	337.2008	338		
Zone 2	Counselor	30	115.16					3			5	0.06	0	21.9096	22		
Zone 2	Vestibule	27	107.51											NA			
Zone 2	Hallway 41 P-1	41	811.23								0	0.06	0	48.6738	49		
Zone 2	Classroom	7	906.67					23			10	0.12	0	338.8004	339		
Zone 2	Remote Teaching Lab	8	225					2			10	0.12	0	47	47		
Zone 2	Remote Teaching Lab	10	225					2			10	0.12	0	47	47		
Zone 2	Tech	9	83								5	0.06	0	4.98	5		
Zone 2	Wheel Chair Storage	12	50											NA			
Zone 2	RR Shower	11	128	1	1		1		YES	140					140	140	140
Zone 2	Changing	13	131						YES		0	0	0.25	0	0	32.75	35
Zone 2	Changing	14	131						YES		0	0	0.25	0	0	32.75	35
Zone 2	Allied Health	15	1757					30			10	0.12	0	510.84	511		
Zone 2	Storage	16	100											NA			
Zone 2	Office	18	100					3			5	0.06	0	21	21		
Zone 2	Office	22	100					3			5	0.06	0	21	21		
Zone 2	Storage	23	196											NA			
Zone 2	Advanced Manuf	24	1763					25			10	0.18	0.5	567.34	568	881.5	885
Zone 2	Classroom	25	905					27			10	0.12	0	378.6	379		
Zone 2	Classroom	26	827					23			10	0.12	0	329.24	330		
Zone 2	Hallway 41 P-2	41	1437.45								0	0.06	0	86.247	87		
Zone 3	Janitor	17	92						YES	70					70	70	70
Zone 3	Landing Zone	19	1352.2					20			7.5	0.06	0	231.132	232		
Zone 3	Womens RR	20	246.98	3	5					350					350	350	350
Zone 3	Mens RR	21	246.98	3	2	3				350					350	350	350
Zone 3	Entry Way/Landing Zone	43	70.36								7.5	0.06	0	4.2216	5		
Zone 3	Stairs	42	134.59														

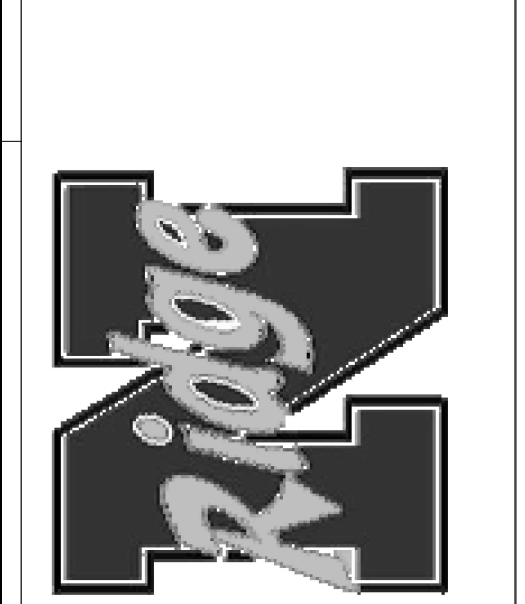


REVISIONS:

PRINTINGS:



NLSD TRUCKING  
**TERMINAL - RENOVATION**  
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DAYTON, OH 45414



PROJECT NO: 23428.00  
CHECKED BY: DP  
DRAWN BY: DP  
DATE: MM/DD/YYYY

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Mechanical Details and Schedule















