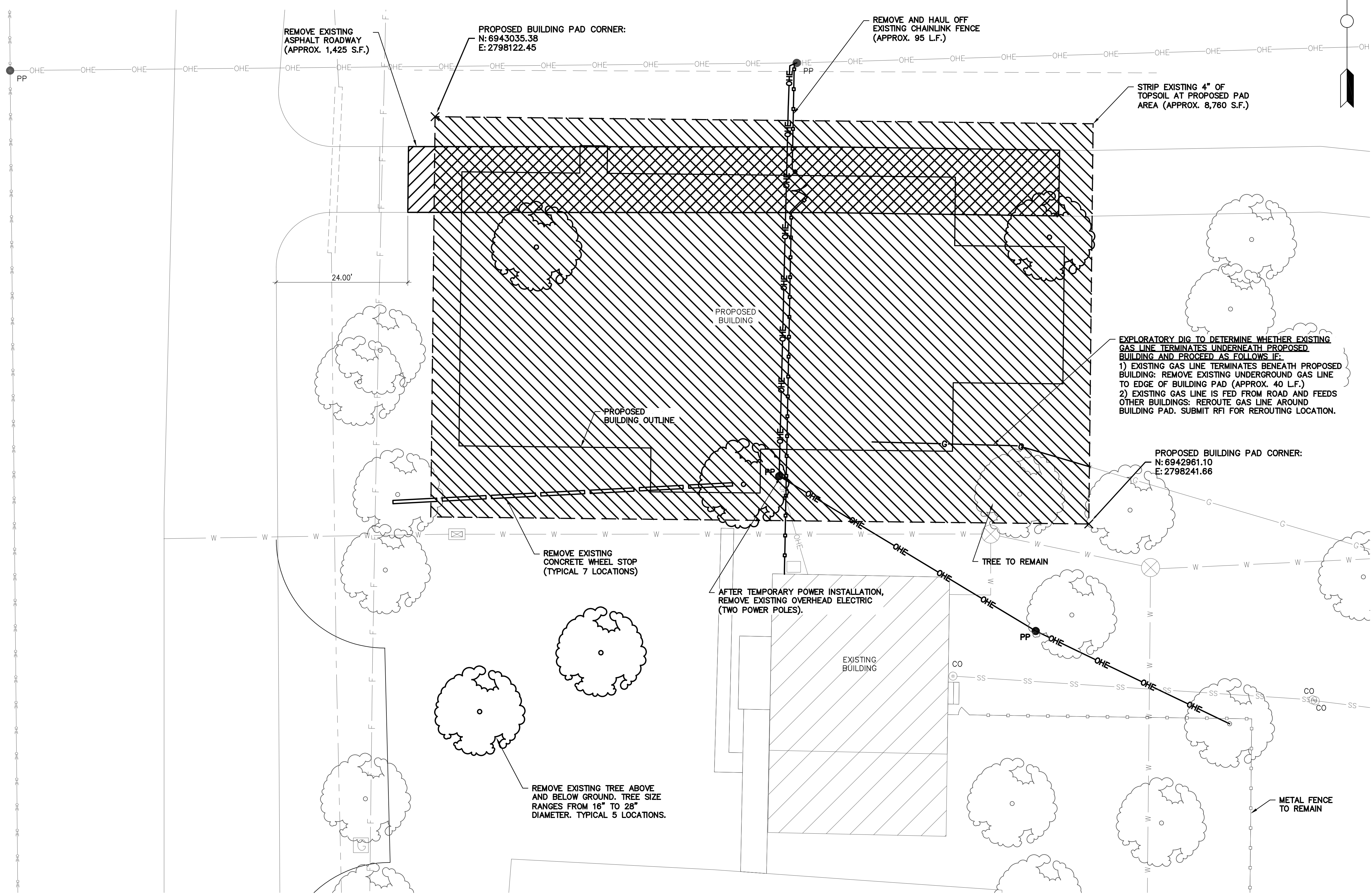


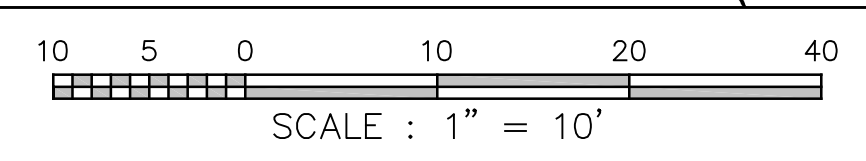
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GENERAL NOTES

- THESE DRAWINGS ARE ISSUED TO INDICATE THE GENERAL SCOPE OF THE PROJECT.
- CONTRACTOR IS TO FURNISH ALL ITEMS REQUIRED FOR PROPER COMPLETION OF THE WORK WITHOUT ADJUSTMENT TO CONTRACT PRICE. COMPLETED WORK SHALL BE OF SOUND AND QUALITY CONSTRUCTION AND THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE INCLUSION OF ADEQUATE AMOUNTS TO COVER INSTALLATION OF ALL ITEMS INDICATED.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING AND SHORING REQUIRED FOR COMPLETION OF THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS EMPLOYED FOR THE COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY FOR COMPLETION OF THE WORK.
- THE CONTRACTOR SHALL ARRANGE ALL REQUIRED INSPECTIONS.
- THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH, AND SIZE OF EXISTING UTILITIES WHETHER SHOWN ON THE PLANS OR NOT BEFORE BEGINNING CONSTRUCTION.
- THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF ALL UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY IN AVOIDING DAMAGE THERETO. AS REQUIRED BY "THE TEXAS UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT" TEXAS ONE CALL SYSTEM MUST BE CONTACTED AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION OPERATIONS BEING PERFORMED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT TEXAS ONE CALL SYSTEM.
- THE CONTRACTOR SHALL REPAIR ALL PORTIONS OF PAVEMENT DAMAGED BY HIS EQUIPMENT, AT CONTRACTOR'S EXPENSE.
- ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL OR BETTER CONDITION, UNLESS OTHERWISE NOTED.
- ALL BACKFILL SHALL BE PLACED IN ACCORDANCE WITH THE TYPICAL TRENCH DETAIL SHOWN ON MISC. DETAIL SHEET.
- EXISTING IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO FENCES, DRIVEWAYS, SIDEWALKS, PAVEMENT, CURBS, UTILITY AND OIL OR GAS PIPELINES, DRAINAGE STRUCTURES WHICH ARE REMOVED OR ALTERED TO PERMIT INSTALLATION OF THE WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE, IN THE SAME LOCATION AND IN A CONDITION AS GOOD OR BETTER THAN FOUND.
- CONTRACTOR SHALL TAKE SPECIAL PRECAUTIONS IN THE VICINITY OF ANY OVERHEAD ELECTRIC LINES. CONTRACTOR SHALL ABIDE BY NATIONAL ELECTRIC CODE AND ANY REQUIREMENT BY OWNER OF THE ELECTRIC LINE.
- CONTRACTOR SHALL NOTIFY OWNER AND RECEIVE AUTHORIZATION FOR THE DATE AND TIME FOR WHICH THE PROPOSED UTILITIES WILL BE CONNECTED TO THE EXISTING UTILITIES.
- CONTRACTOR SHALL MAINTAIN ONE SET OF "AS-BUILT" DRAWINGS SHOWING CLEARLY ALL FIELD CONDITIONS, WHETHER EXISTING OR PROPOSED, WHICH DIFFER FROM THE CONDITIONS SHOWN ON THESE DRAWINGS. THE LOCATION, SIZE AND TYPE OF ALL UTILITY AND PIPELINES ENCOUNTERED THROUGHOUT THE PROJECT SHALL BE SHOWN ON THE "AS-BUILT" DRAWINGS.
- FOR UTILITY LINES UNDER PAVED AREAS, TRENCH SHALL BE BACKFILLED AND COMPACTED IN 8" LOOSE LIFTS WITH SELECT MATERIAL. SELECT MATERIAL SHALL BE CEMENT STABILIZED. COMPACTION OF CLAY MATERIAL SHALL BE BY HAND-HELD MECHANICAL TAMPER, ("WACKER-PACKER" OR EQUAL) TO 95% STANDARD PROCTOR DENSITY.
- THE CONTRACTOR SHALL INSTALL AND MAINTAIN SILT FENCING AS REQUIRED BY TXDOT, TCEQ, & EPA.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED TO COMPLETE THE WORK.
- NO FIRES WILL BE ALLOWED UNLESS OTHERWISE NOTED.
- ALL DRIVEWAYS THAT ARE DAMAGED AS A RESULT OF THE CONSTRUCTION SHALL BE REPAIRED TO A CONDITION EQUAL TO OR BETTER THAN THEIR CONDITION PRIOR TO THE CONSTRUCTION, USING LIKE MATERIALS. ALL CONCRETE DRIVEWAYS SHALL BE REPAIRED WITH CONCRETE, ALL OTHERS SHALL BE REPAIRED WITH ASPHALT.
- ADDITIONAL UTILITY AND PIPELINES NOT SHOWN ON THE DRAWINGS MAY BE ENCOUNTERED THROUGHOUT THE PROJECT. EXACT LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES AND PIPELINES, WHETHER SHOWN ON THESE PLANS OR NOT, SHOULD BE DETERMINED IN THE FIELD PRIOR TO EXCAVATION.
- NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DESIGN ENGINEER OR AN AUTHORIZED REPRESENTATIVE OF THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR JOBSITE CONDITIONS AT ALL TIMES DURING CONSTRUCTION AND SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE OWNER, HIS AGENTS AND THE ENGINEER AGAINST ANY CLAIMS RESULTING FROM SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION. THE JOBSITE SHALL BE MAINTAINED IN A SAFE CONDITION DURING AND AFTER WORK HOURS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN PROTECTIVE FENCING TO SECURE THE ENTIRE CONSTRUCTION SITE PRIOR TO DEMOLITION FOR THE DURATION OF THE PROJECT.

ENLARGED DEMOLITION PLAN (PHASE 1)



CAUTION EXISTING UTILITIES

EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCED INFORMATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION AND TO TAKE NECESSARY PRECAUTIONS TO PROTECT ALL FACILITIES ENCOUNTERED. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.

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 ALLENA TAYLOR, P.E.
 LICENSE # 15295
 DATE: 7/10/21

2021 FRUITVALE ISD
ADMINISTRATION BLDG
 FRUITVALE, TEXAS 75127
ENLARGED DEMOLITION PLAN (PHASE 1)



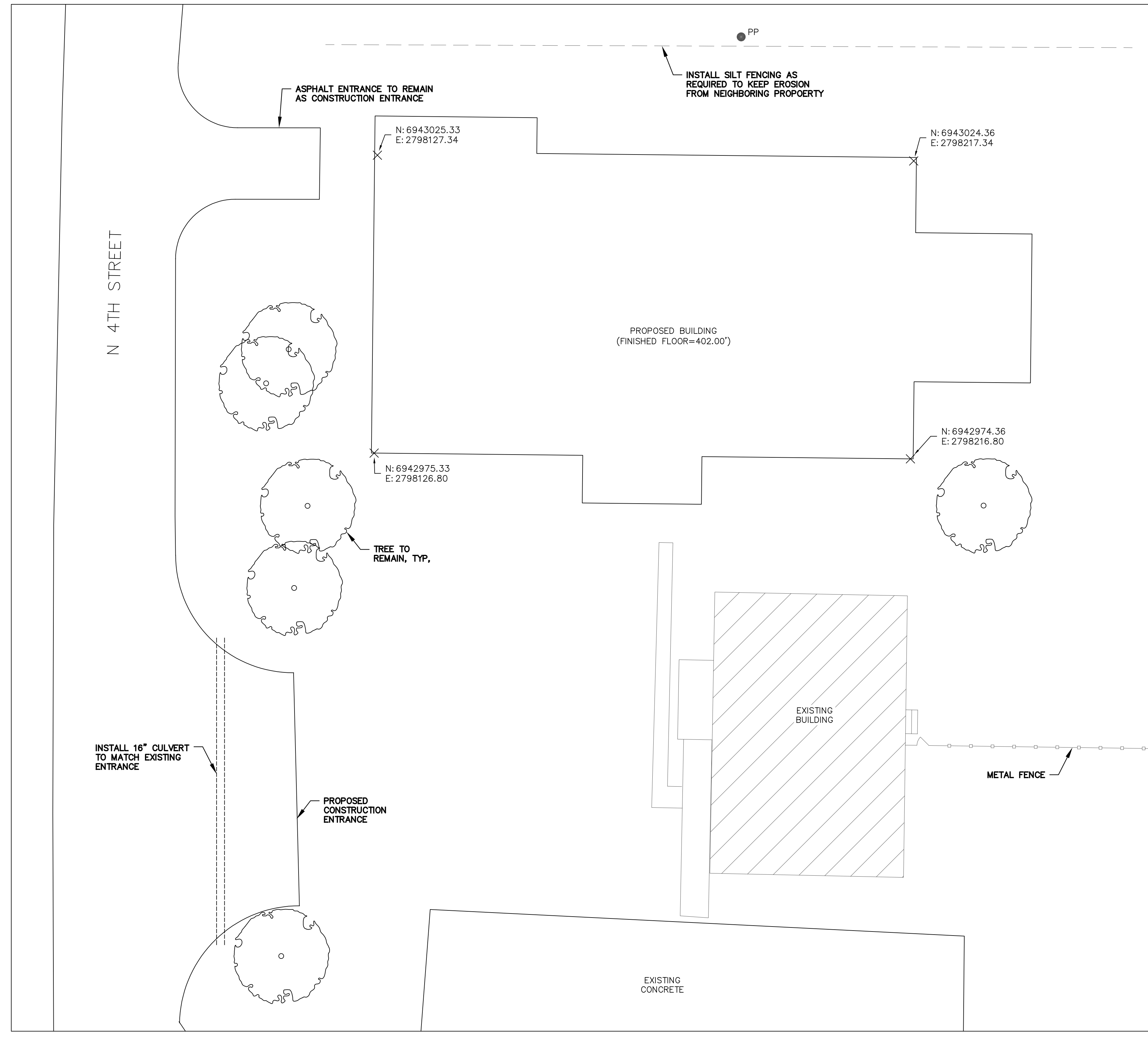
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IFB: 7-1-21	

Job Number:
050-21003

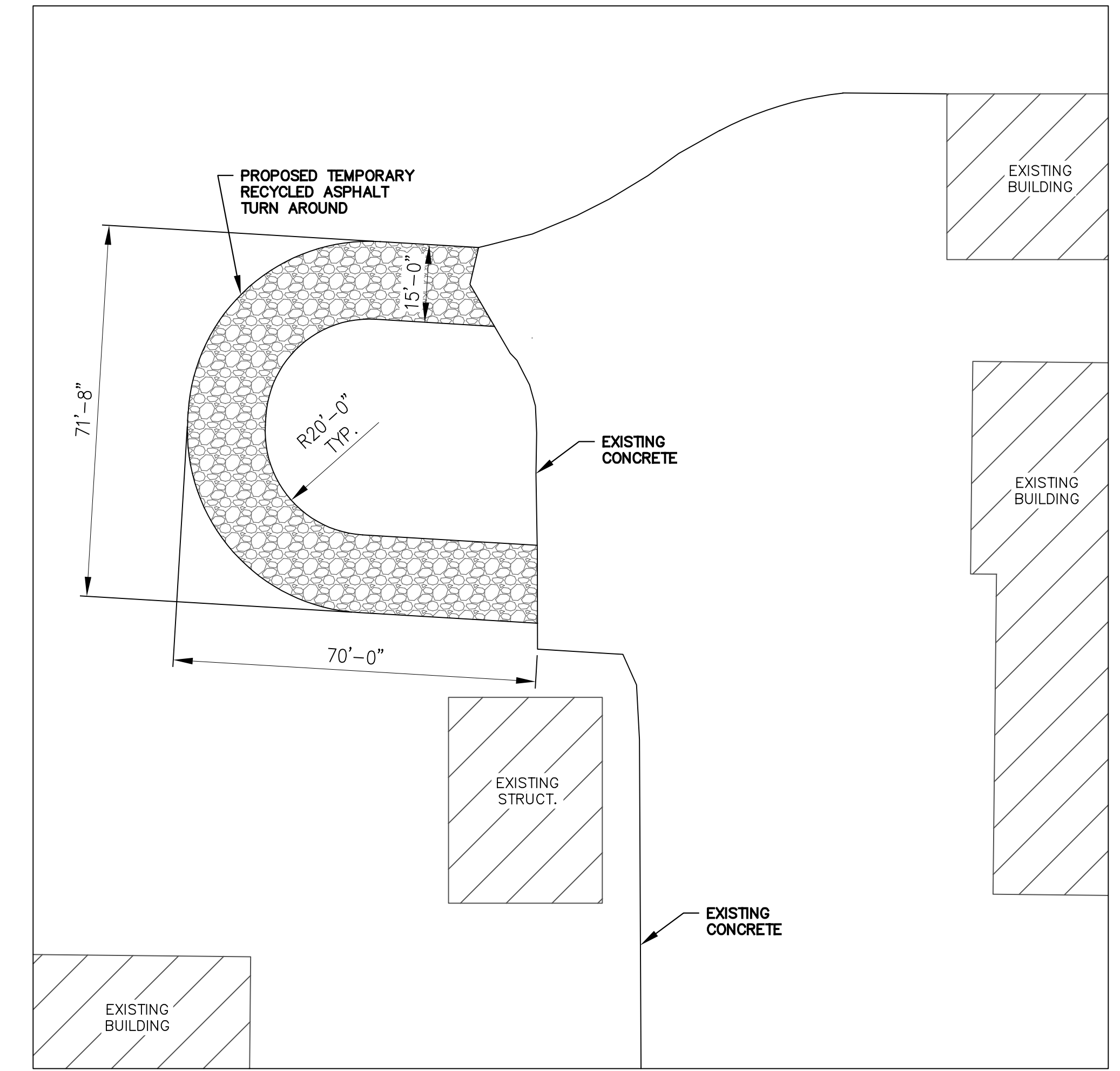
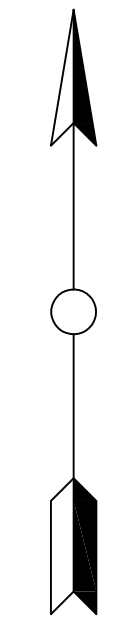
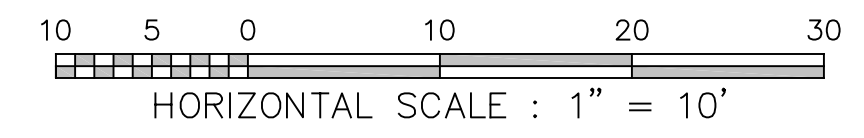
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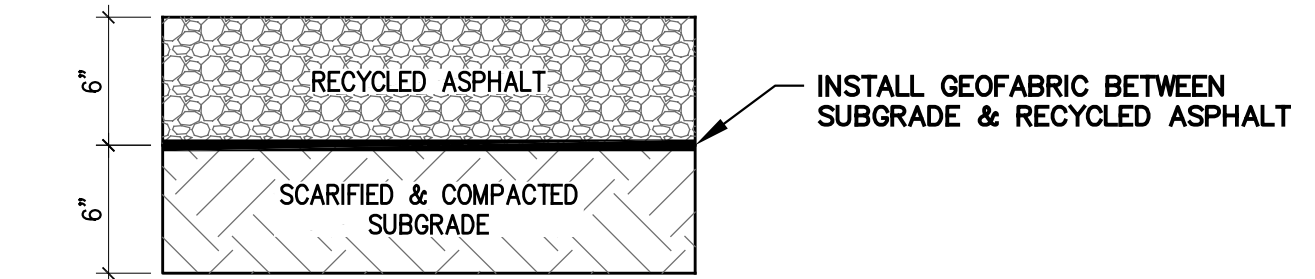
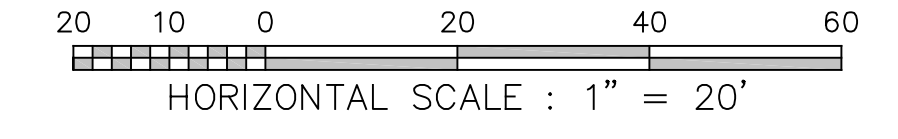
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ENLARGED SITE PLAN (PHASE 1)



TEMPORARY TURN AROUND (PHASE 1)



TYPICAL SECTION AT TEMPORARY TURN AROUND

Scale: NTS

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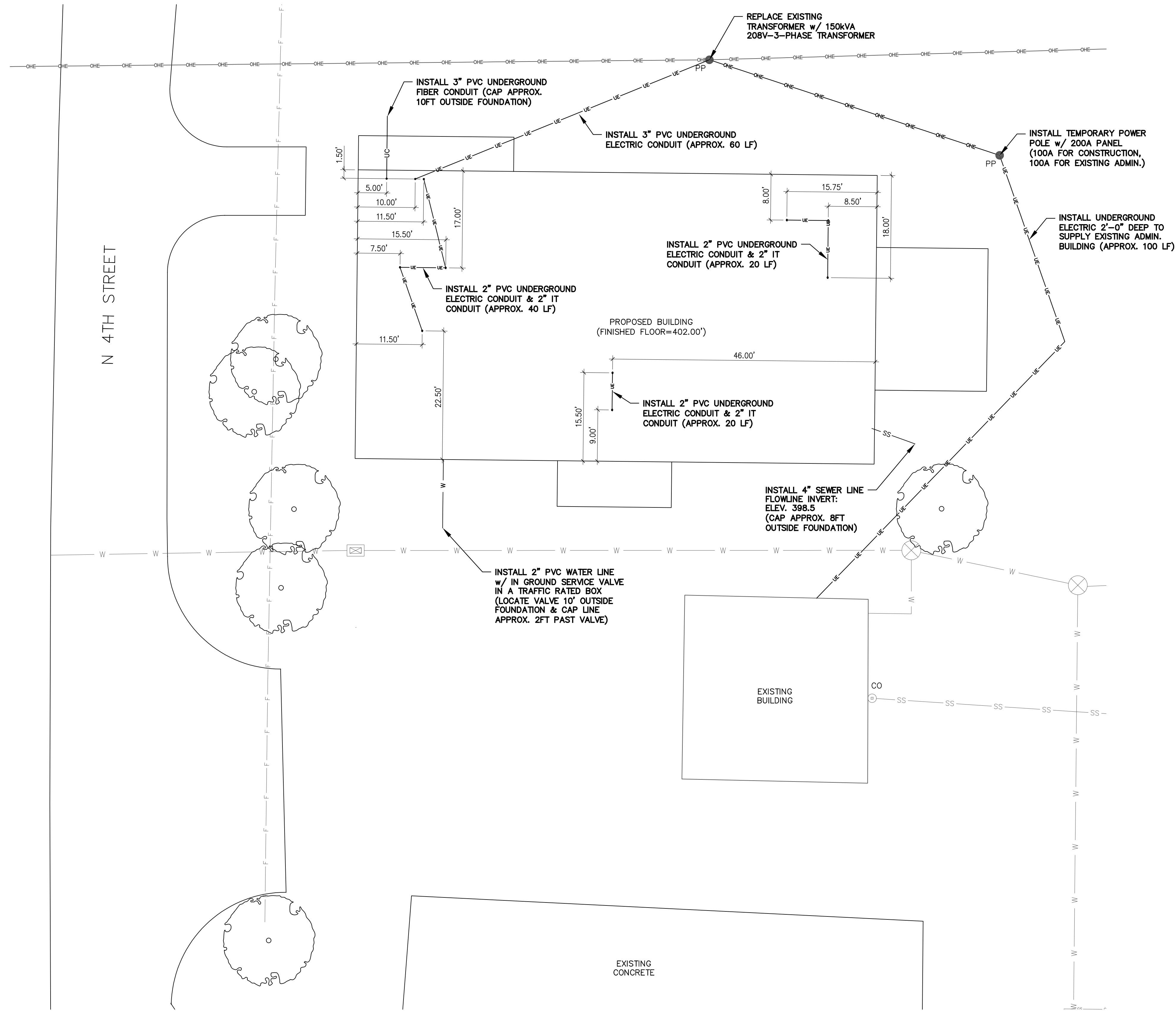
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 ENLARGED SITE PLAN (PHASE 1)



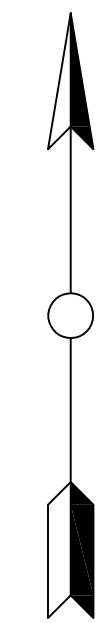
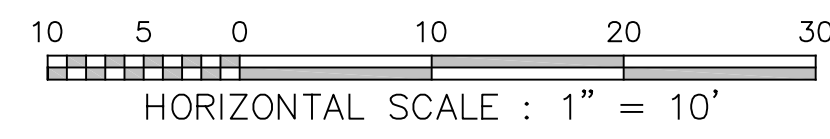
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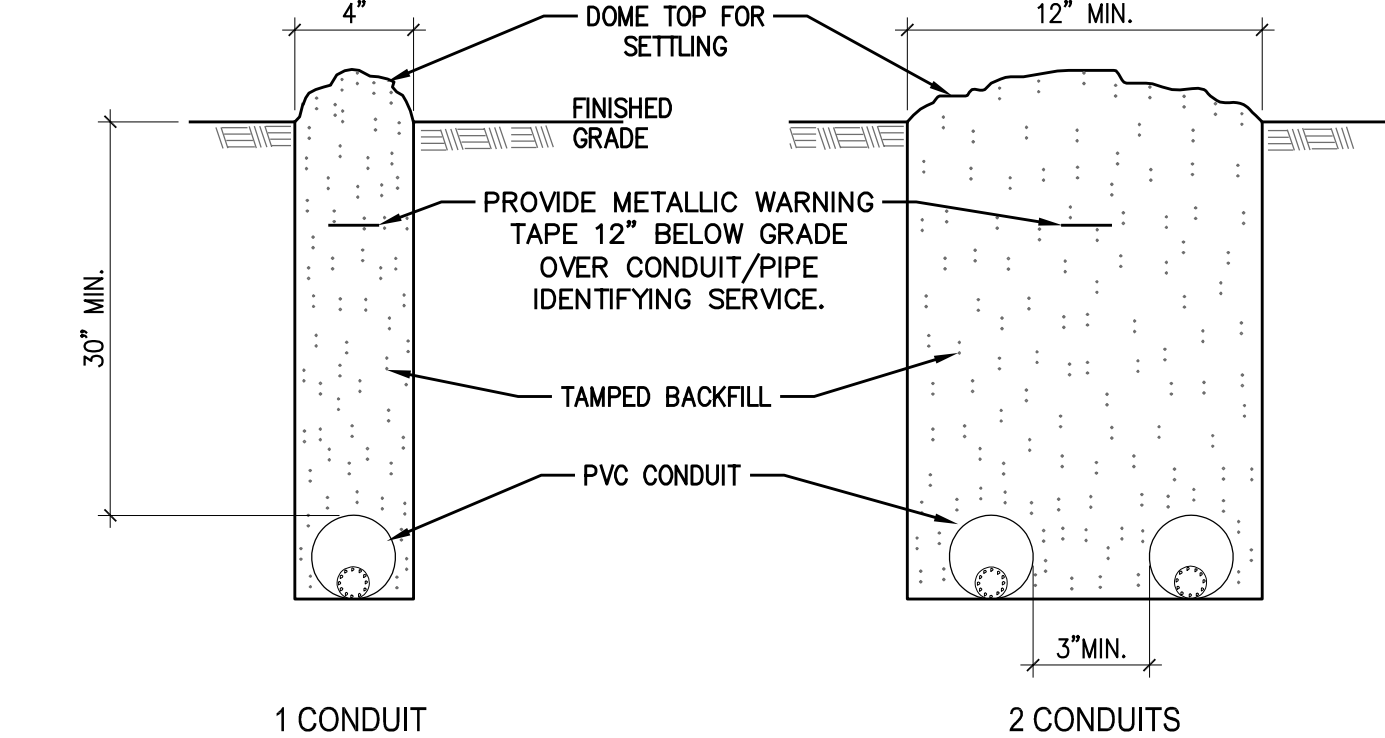


ENLARGE UTILITY PLAN (PHASE 1)



UNDERGROUND CONDUIT NOTES:

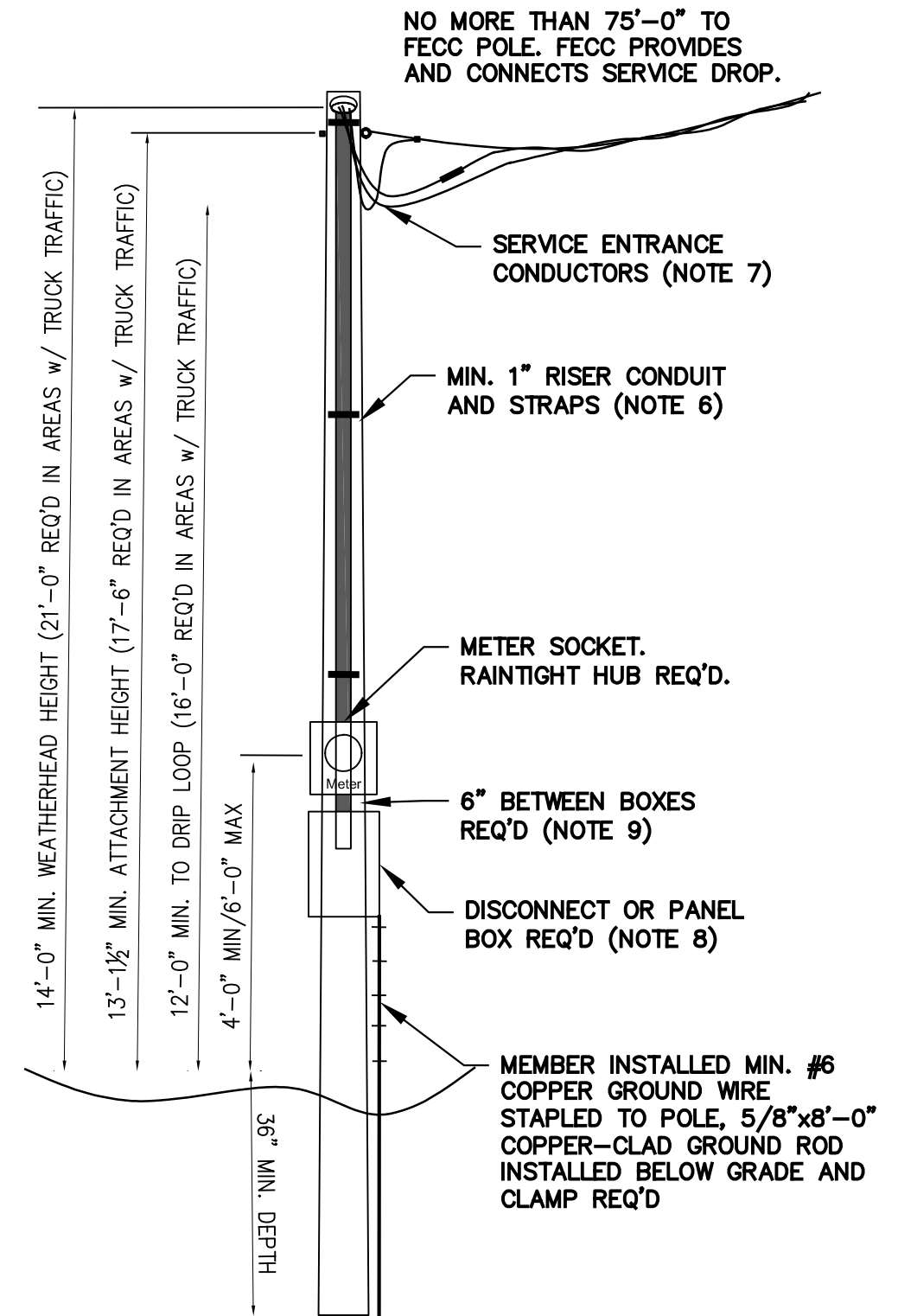
1. TRENCH ALIGNMENT SHALL BE AS STRAIGHT AS CONDITIONS PERMIT. ANY DEVIATIONS FROM PLANNED ALIGNMENT SHALL HAVE PRIOR APPROVAL BY THE PROJECT ENGINEER/INSPECTOR. ALL TRENCH CUTS SHALL BE IN ACCORDANCE WITH EXISTING SAFETY REGULATION IN EFFECT.
2. TRENCH BOTTOM SHOULD BE UNDISTURBED, TAMPED, OR RELATIVELY SMOOTH EARTH. WHERE EXCAVATION IS IN ROCK, THE CONDUIT SHOULD BE LAID ON A LAYER OF CLEAN BACKFILL.
3. ALL BACKFILL SHOULD BE FREE OF DEBRIS OR OTHER MATERIAL THAT MAY DAMAGE THE CONDUIT SYSTEM OR CAUSE SETTLING. THE MATERIAL SHOULD FILL THE VOIDS AROUND THE CONDUIT TO PREVENT HOT SPOTS & SETTLING.
4. BACKFILL SHOULD BE ADEQUATELY COMPACTED. BACKFILL NOT UNDER PAVEMENT SHOULD BE COMPACTED TO THE DENSITY OF THE SURROUNDING UNDISTURBED SOIL. BACKFILL UNDER PAVEMENT SHOULD BE COMPACTED TO NOT LESS THAN 95% OF THE DENSITY OF UNDISTURBED SOIL AS DETERMINED BY ASTM D-698.



TRENCH DETAIL

TEMPORARY POWER POLE NOTES:

1. MEMBER PROVIDES AND INSTALLS: POLE, BRACING, SERVICE DROP ATTACHMENT, CONDUITS, WEATHERHEAD, METER SOCKET, DISCONNECT SWITCH, GROUND ROD AND WIRE, AND ALL RELATED MATERIALS. ALL EQUIPMENT AND CONDUIT CONNECTIONS SHALL BE RAINIGHT. ANY RECEPTACLES SHALL BE WEATHERPROOF AND GFCI. ALL WORK SHALL COMPLY WITH COOPERATIVE STANDARDS, THE NATIONAL ELECTRICAL CODE AND AUTHORITIES HAVING JURISDICTION. REFER TO THE FECC MEMBER INSTALLATION STANDARDS FOR ELECTRIC SERVICE FOR MORE INFORMATION.
2. THE COOPERATIVE PROVIDES THE METER AND SERVICE DROP AND MAKES CONNECTIONS AT THE WEATHERHEAD.
3. THIS SERVICE SHALL BE INSTALLED AT A LOCATION MUTUALLY AGREED UPON BY THE MEMBER AND THE COOPERATIVE. THE LOCATION SHOULD BE LOCATED AWAY FROM TRAFFIC AREAS TO AVOID DAMAGE.
4. POLE SHALL BE MIN. 6\"/>



TEMPORARY POWER POLE DETAIL

Service Rating	Phase Conductor	Conduit	Ground Wire	Neutral Conductor
60A	#6 CU	1"	#6 CU	Same as Phase
100A	#2 CU	1 1/2"	#6 CU	
200A	1/0 AL	2"	#4 CU	

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 ENLARGED UTILITY PLAN (PHASE 1)

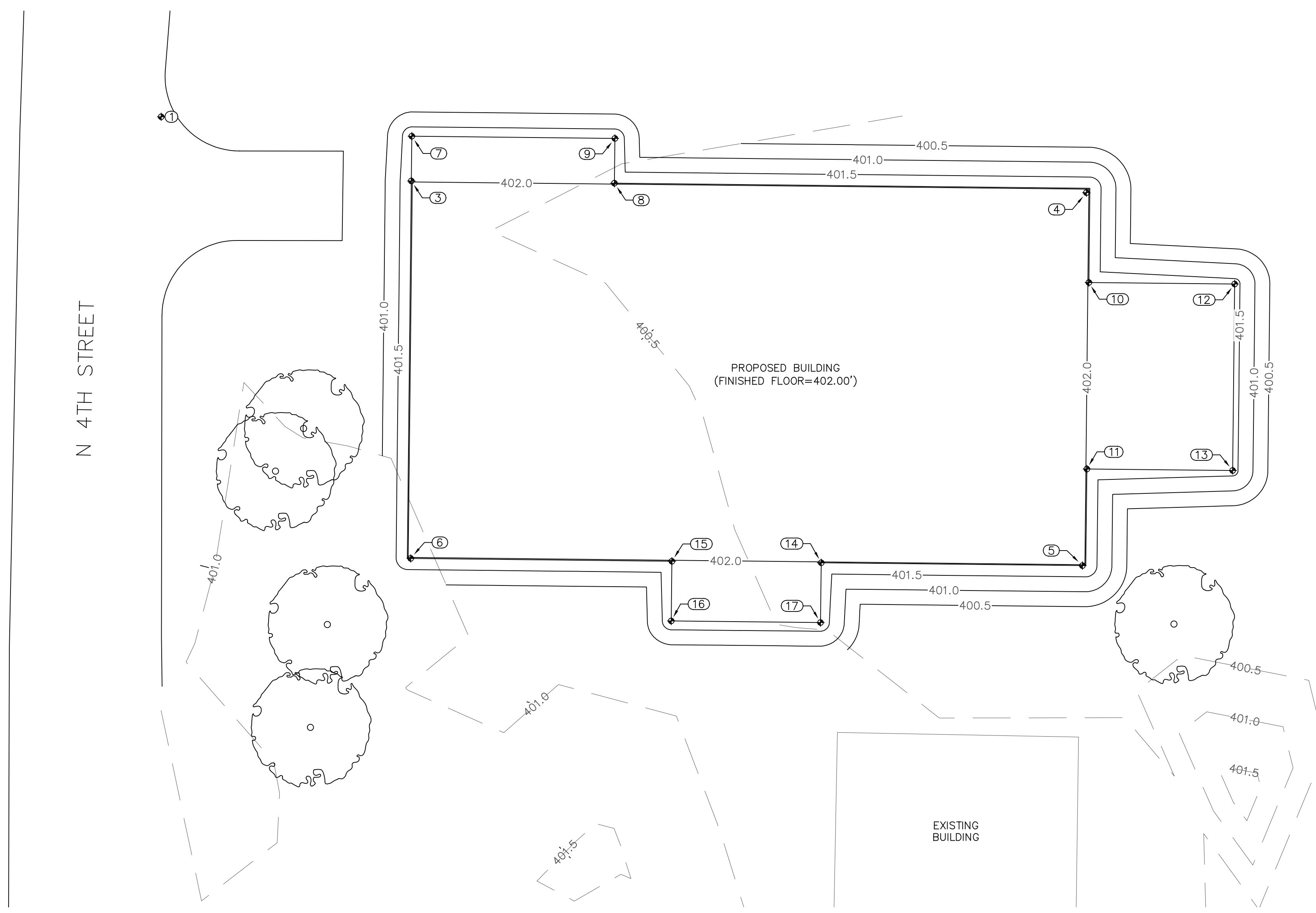


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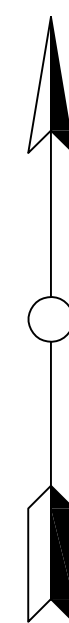
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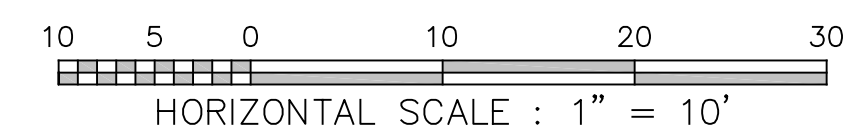
N 4TH STREET

PROPOSED BUILDING
(FINISHED FLOOR=402.00')

EXISTING BUILDING



ENLARGED GRADING PLAN (PHASE 1)



Point Table				
Point #	Elevation	Northing	Easting	Description
1	400.76	6943034.53	2798093.37	Benchmark #1
2	400.17	6943027.77	2798251.22	Benchmark #2
3	401.88	6943025.92	2798126.89	Building Corner
4	401.88	6943024.36	2798217.34	Building Corner
5	401.88	6942974.36	2798216.80	Building Corner
6	401.88	6942975.33	2798126.80	Building Corner
7	401.82	6943031.92	2798126.95	Top of Paving
8	401.88	6943025.63	2798154.10	Top of Paving
9	401.82	6943031.63	2798154.16	Top of Paving
10	401.88	6943012.32	2798217.66	Top of Paving
11	401.88	6942987.32	2798217.39	Top of Paving
12	401.68	6943012.11	2798237.20	Top of Paving
13	401.68	6942987.11	2798236.94	Top of Paving
14	401.88	6942974.74	2798181.80	Top of Paving
15	401.88	6942974.96	2798161.80	Top of Paving
16	401.80	6942966.96	2798161.71	Top of Paving
17	401.80	6942966.74	2798181.71	Top of Paving

SUBGRADE NOTES

- SUBGRADE PREPARATION:**
- SUBGRADE PREPARATION REQUIREMENTS ARE BASED ON RECOMMENDATIONS PROVIDED BY EARTHLOK. THESE RECOMMENDATIONS STATE THAT THE BUILDING PAD (5'-0" BEYOND FOUNDATION) BE CHEMICALLY INJECTED TO A DEPTH OF 7'-0" OR TO IMPENETRABLE MATERIAL IN ORDER TO REDUCE THE SWELL TO AN AVERAGE OF 1% OF INJECTED DEPTH. INJECTIONS SHALL BE ON A MAXIMUM OF 4 FOOT CENTERS.



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ISSUED BY:
ALLEN M. TAYLOR, P.E.
LICENSE # 15295
DATE: 7/1/2021

2021 FRUITVALE ISD
ADMINISTRATION BLDG
FRUITVALE, TEXAS 75127
ENLARGED GRADING PLAN (PHASE 1)



Issue/Revision Date & Description
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Sheet Number:

C4

GENERAL NOTES:

GENERAL NOTES

- THESE DRAWINGS ARE ISSUED TO INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF THE STRUCTURAL DESIGN CONCEPT.
- CONTRACTOR IS TO FURNISH ALL ITEMS REQUIRED FOR PROPER COMPLETION OF THE WORK WITHOUT ADJUSTMENT TO CONTRACT PRICE. COMPLETED WORK SHALL BE OF SOUND AND QUALITY CONSTRUCTION AND THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE INCLUSION OF ADEQUATE AMOUNTS TO COVER INSTALLATION OF ALL ITEMS INDICATED, DESCRIBED OR IMPLIED, TO PERFORM THE INTENDED FUNCTIONS SPECIFIED IN THE CONSTRUCTION DOCUMENTS.
- THE DETAILS DESIGNATED AS "TYPICAL DETAILS" APPLY GENERALLY TO THE DRAWINGS IN AREAS WHERE CONDITIONS ARE SIMILAR TO THOSE DESCRIBED IN THE DETAILS, UNLESS NOTED OTHERWISE. TYPICAL SECONDARY FRAMING AND PANEL/TRIM DETAILS ARE SHOWN FOR DESIGN INTENT. SUPPLIER/INSTALLER SHALL PROVIDE THEIR STANDARD SECONDARY FRAMING AND PANEL/TRIM DETAILS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
- ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS AND DETAILS. DO NOT SCALE THE DRAWINGS. DIMENSIONS ARE TO FACE OF COLUMN (F.O.C.), CENTER OF COLUMN (C.O.C.) FACE OF CHANNEL (F.O.CH.), FACE OF WALL (F.O.W.), FACE OF EXISTING STRUCTURE AND EXTERIOR FACE OF ANGLE LEGS.
- PRINCIPAL OPENINGS, CURBS AND SLAB DEPRESSIONS ARE SHOWN ON THE DRAWINGS. SEE ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR SLEEVES, CURBS, INSERTS, OTHER OPENINGS AND SLAB DEPRESSIONS NOT SHOWN. THE CONTRACTOR SHALL PROVIDE FOR ALL OPENINGS, CURBS, AND SLAB DEPRESSIONS WHETHER SHOWN ON THE STRUCTURAL DRAWINGS OR NOT. SIZES AND LOCATIONS OF OPENINGS, CURBS AND DEPRESSIONS SHALL BE VERIFIED BY THE CONTRACTOR BY REVIEWING LAYOUT OF THE AREA ON THE ARCHITECTURAL DRAWINGS.
- THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DRAWINGS TO CONFIRM ALL REQUIREMENTS OF THE WORK. REPORT ANY CONFLICT/DISCREPANCY BETWEEN THE DISCIPLINES TO THE DESIGN PROFESSIONAL PRIOR TO EXECUTION OF THE WORK.
- THE CONTRACTOR SHALL INSURE THAT ALL CONSTRUCTION LOADS DO NOT EXCEED THE DESIGN LIVE LOADS INDICATED ON THE STRUCTURAL DRAWINGS AND THAT THESE LOADS ARE NOT PUT ON THE STRUCTURAL MEMBERS PRIOR TO THE TIME THAT THE FRAMING MEMBERS, BRACING MEMBERS AND CONNECTIONS ARE IN PLACE.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING AND SHORING REQUIRED FOR COMPLETION OF THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS EMPLOYED FOR THE COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY FOR COMPLETION OF THE WORK.
- THE CONTRACTOR SHALL ARRANGE ALL REQUIRED INSPECTIONS.

DESIGN CODES AND LOADS

- BUILDING CODE: 2015 IBC
- STRUCTURAL CONCRETE: BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318.
- STRUCTURAL STEEL: MANUAL OF STEEL CONSTRUCTION, AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
- MASONRY: BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES, ACI 530.
- DESIGN WIND LOAD CRITERIA:
 - RISK CATEGORY 2
 - WIND VELOCITY – 115MPH
 - EXPOSURE – C
 - ENCLOSED BUILDING
 - DESIGNED WITH DIRECTION PROCEDURE.
- DESIGN LIVE LOAD:
 - ROOF 20PSF (REDUCIBLE)
 - MEZZANINE 125PSF
- DESIGN DEAD LOAD:
 - BUILDING COMPONENT SELF WEIGHT
 - COLLATERAL 5PSF

CONCRETE NOTES

CAST-IN-PLACE CONCRETE:

- MATERIALS
 - PORTLAND CEMENT SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PORTLAND CEMENT, ASTM DESIGNATION C-150, LATEST VERSION TYPE II.
 - CONCRETE AGGREGATES, ASTM C-33. THE MAXIMUM SIZE SHALL NOT BE LARGER THAN 1½" INCHES FOR SLABS ON GRADE, ¾" INCHES FOR CONCRETE FILL OVER FORMED OR COMPOSITE DECKS.
 - WATER SHALL BE CLEAN, POTABLE, AND FREE OF INJURIOUS AMOUNTS OF ACIDS, ALKALOIDS, OR ORGANIC MATTER.
 - READY MIX CONCRETE SHALL CONFORM TO ASTM SPECIFICATION C-94, LATEST VERSION.
 - ADMIXTURES USED TO ASSIST THE WORKABILITY OF CONCRETE SHALL CONFORM TO ASTM SPECIFICATIONS C-260 AND C-494, LATEST VERSION. ADMIXTURES MUST BE APPROVED BY THE ENGINEER.
- CAST-IN-PLACE CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH AT 28 DAYS OF 4000 PSI, A MIN. SLUMP 3", MAX SLUMP 5", MIN. AIR CONTENT 3%, MAX. AIR CONTENT 5%, MIN. WATER TO CEMENT RATIO .45, MAX WATER TO CEMENT RATIO .55.
- INTERIOR CONCRETE SLAB SURFACE SHALL RECEIVE FLOAT FINISH. EXTERIOR SLAB SURFACES SHALL RECEIVE MEDIUM BROOM FINISH. SEAL SLAB WITH CLEAR CONCRETE SEALER EQUIVALENT TO PRODUCTS PRODUCED BY WR MEADOWS OR SIKA.
- CONTINUOUS REINFORCING BARS SHALL HAVE A MINIMUM OVERLAP OF 30 DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER.
- PROVIDE CORNER BARS IN GRADE BEAMS AND FOOTINGS AT EACH CORNER AND/OR INTERSECTION (TOP AND BOTTOM).
- PROVIDE CONTROL JOINTS (SAWED, FORMED OR TOOLED) WHERE SHOWN ON PLAN, PROVIDE CONSTRUCTION JOINTS WHERE SECTIONS CAN NOT BE PLACED CONTINUOUSLY.
 - FOR MAT SLAB JOINTS PROVIDE SIKA LOADFLEX –524 EZ (OR EQUAL) TWO-COMPONENT, QUICK-SETTING, SEMI-RIGID, SOLVENT-FREE, SELF-LEVELING CONTROL JOINT FILLER AFTER CONTROL JOINTS ARE PLACED. SELECTED FILLER SHALL HAVE A SHORE D HARDNESS OF 30-32 AND SHORE A HARDNESS OF 80-85.
 - FOR EXTERIOR SLAB/WALL JOINTS PROVIDE MIN.¼" DEEP JOINT SEALANT OVER BACKER ROD. PROVIDE W.R. MEADOWS POURTHANE NS NON-SAG JOINT SEALANT OR EQUIVALENT.
- PROVIDE ½" WIDE MINIMUM EXPANSION/ISOLATION JOINTS IN FLOOR SLAB AS SHOWN ON DRAWINGS. EXPANSION/ISOLATION JOINTS, SHALL HAVE PRE-MOLDED JOINT FILLERS THAT MEET THE REQUIREMENTS OF ASTM SPECIFICATIONS D-994, LATEST VERSION. JOINT SHALL HAVE ½" DEEP SELF-LEVELING JOINT SEALANT. PROVIDE W.R. MEADOWS POURTHANE NS NON-SAG JOINT SEALANT OR EQUIVALENT.
- ALL REINFORCING SHALL BE SUPPORTED ON METAL OR PLASTIC SUPPORTS AND SECURELY TIED TO PREVENT MOVEMENT DURING CONCRETING.
- REINFORCING BARS SHALL CONFORM TO ASTM A 615 GRADE 60, EXCEPT TIES AND STIRRUPS MAY BE GRADE 40.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. FABRIC SHALL BE SUPPLIED IN FLAT SHEETS AND SHALL BE LAPPED 2 MESHES AT SPLICES.
- CONCRETE PROTECTION FOR REINFORCING BARS: DEPOSITED AGAINST EARTH 3", EXPOSED TO WEATHER OR EARTH 2", 1½" AT TOP OF INTERIOR SLABS.
- CONDUIT FOR ELECTRICAL OR PLUMBING LINES SHALL BE SLEEVED THROUGH GRADE BEAMS.
- ALL DRILLED/EPOXY SET ANCHORS OR DOWELS SHALL BE AS MANUFACTURED BY HILTI. CAST IN ANCHORS SHALL BE ASTM F1554 GRADE 36.
- CONTRACTOR SHALL MAKE PROVISIONS FOR FINISHING EXPOSED CONCRETE. AS SOON AS FORMS ARE REMOVED, UNDESIRABLE FINS AND PROJECTIONS SHALL BE REMOVED, OFFSETS SHALL BE LEVELED, AND VOID OR DAMAGED PLACES SHALL BE IMMEDIATELY SATURATED WITH WATER AND FINISHED WITH CEMENTIOUS PASTE OR MORTAR OF THE SAME COMPOSITION AS USED IN THE MIX. EXPOSED SURFACES SHALL BE RUBBED WITH CARBORUNDUM STONE TO A SMOOTH FINISH FREE FROM FORM MARKS OR HONEYCOMBS.
- CONCRETE SHALL BE PLACED CONTINUOUSLY, WITHOUT INTERRUPTION, IN SUCH A MANNER AS NOT TO CAUSE SEGREGATION. EACH LIFT SHALL BE VIBRATED. WHERE CONCRETE DROPS ARE MORE THAN 5 FEET, CONCRETE SHALL BE PLACED USING A CHUTE, TREMIE, OR PUMP HOSE.
- FOUNDATION CONTRACTOR SHALL PROVIDE AND INSTALL ALL ANCHOR BOLTS AND EMBEDDED ITEMS.
- TESTING LABORATORY SERVICES FOR QUALITY CONTROL OF CAST-IN-PLACE CONCRETE SHALL BE PROVIDED BY THE OWNER. TESTING SERVICES SHALL INCLUDE PREPARATION AND TESTING OF CONCRETE COMPRESSION CYLINDERS AND SLUMP TESTS AS DIRECTED BY THE OWNER'S REPRESENTATIVE. REPORTS SHALL BE SUBMITTED IN DUPLICATE TO THE ENGINEER.
 - TEST CYLINDERS: DURING PROGRESS OF WORK, MOLD, CURE AND TEST SPECIMENS OF EACH DIFFERENT MIX DESIGN PLACED IN ANY ONE DAY. FOR EACH 50 CUBIC YARDS OF CONCRETE PLACED, OR PART THEREOF OVER 10 CUBIC YARDS, MAKE COMPRESSION TEST CYLINDERS DURING POUR. MOLD AND CURE TEST CYLINDERS IN ACCORDANCE WITH ASTM C-31. TEST CYLINDERS IN ACCORDANCE WITH ASTM C-39: ONE AT 7 DAYS AND 2 AT 28 DAYS. MAKE ADDITIONAL SETS OF 3 CYLINDERS WHEN OBVIOUS CHANGES IN MIX ARE APPARENT.
 - SLUMP TESTS: MAKE SLUMP TESTS FOR EACH 50 CUBIC YARDS AT CONCRETE PLACED, AND FOR EACH SET OF CYLINDERS IN ACCORDANCE WITH ASTM C143.
 - AIR CONTENT OF NORMAL-WEIGHT CONCRETE: DETERMINE TOTAL AIR CONTENT OF AIR ENTRAINED CONCRETE FOR EACH COMPRESSIVE STRENGTH TEST IN ACCORDANCE WITH ASTM C231.
- FURNISH AND INSTALL 10 MIL POLYETHYLENE MEMBRANE VAPOR RETARDED UNDER ALL SLABS ON GRADE. VAPOR RETARDER SHEETS SHALL BE INSTALLED OVER LEVEL, COMPACTED GRANULAR SOIL WITH 6" JOINT LAPS. JOINT LAPS SHALL BE CONTINUOUSLY SEALED WITH DUCT TAPE. SEAL CAREFULLY AROUND ALL PIPES, CONDUITS, ETC., WHICH PENETRATE THE SLAB. SEAL ALL TEARS AND PUNCTURES PRIOR TO PLACING CONCRETE.

DRILLED PIER NOTES

- REFER TO THE FOUNDATION DETAILS AND FOUNDATION PLAN FOR BEARING ELEVATION AND REINFORCING REQUIREMENTS.
- REFER TO PLANS AND DETAILS FOR PIER AND CAP SIZES.
- ALL PIER INSTALLATIONS SHALL BE INSPECTED BY OWNER'S REPRESENTATIVE.
- THE DEPTHS OF PIERS SHALL BE VERIFIED BEFORE PIER STEEL IS CUT. PIER STEEL SHALL BE DELIVERED TO THE JOBSITE IN STANDARD STOCK LENGTHS AND CUT AS REQUIRED TO MATCH THE ACTUAL FIELD MEASURED DEPTH OF THE PIER. SPLICES IN VERTICAL REINFORCING ARE NOT PERMITTED. REINFORCING SHALL EXTEND TO WITHIN 3 INCHES FROM BOTTOM OF HOLE.
- ACTUAL PIER DEPTHS SHALL BE REPORTED AND NOTED DURING CONSTRUCTION.
- PIER HOLES SHALL BE COMPLETED AND FILLED WITH CONCRETE WITHIN THE SAME DAY OF DRILLING.
- CONTRACTOR SHALL PROVIDE ADDITIONAL PIER REINFORCING STEEL (TIES AND VERTICAL REINFORCING), AS REQUIRED TO FACILITATE PLACEMENT OF THE REINFORCING CAGE WITHOUT BUCKLING, COLLAPSING OR EXCESSIVE DEFLECTION.
- BASED ON SUBSURFACE CONDITIONS OBSERVED, THE INSTALLATION OF DRILLED STRAIGHT-SHAFTS WILL NOT REQUIRE THE USE OF SLURRY DISPLACEMENT METHOD AND/OR TEMPORARY STEEL CASING.
- TESTING LABORATORY SERVICES FOR QUALITY CONTROL OF CAST-IN-PLACE CONCRETE SHALL BE PROVIDED BY THE OWNER. TESTING SERVICES SHALL INCLUDE PREPARATION AND TESTING OF CONCRETE COMPRESSION CYLINDERS AND SLUMP TESTS AS DIRECTED BY THE OWNER'S REPRESENTATIVE. REPORTS SHALL BE SUBMITTED IN DUPLICATE TO THE ENGINEER.
 - TEST CYLINDERS: DURING PROGRESS OF WORK, MOLD, CURE AND TEST SPECIMENS OF EACH DIFFERENT MIX DESIGN PLACED IN ANY ONE DAY. FOR EACH 50 CUBIC YARDS OF CONCRETE PLACED, OR PART THEREOF OVER 10 CUBIC YARDS, MAKE COMPRESSION TEST CYLINDERS DURING POUR. MOLD AND CURE TEST CYLINDERS IN ACCORDANCE WITH ASTM C-31. TEST CYLINDERS IN ACCORDANCE WITH ASTM C-39: ONE AT 7 DAYS AND 2 AT 28 DAYS. MAKE ADDITIONAL SETS OF 3 CYLINDERS WHEN OBVIOUS CHANGES IN MIX ARE APPARENT.
 - SLUMP TESTS: MAKE SLUMP TESTS FOR EACH 50 CUBIC YARDS AT CONCRETE PLACED, AND FOR EACH SET OF CYLINDERS IN ACCORDANCE WITH ASTM C143.
 - AIR CONTENT OF NORMAL-WEIGHT CONCRETE: DETERMINE TOTAL AIR CONTENT OF AIR ENTRAINED CONCRETE FOR EACH COMPRESSIVE STRENGTH TEST IN ACCORDANCE WITH ASTM C231.

PIER CONCRETE MIX

- ADMIXTURES MAY BE USED TO CONTROL THE WORKABILITY OF THE CONCRETE MIX. THEY SHALL BE USED IN ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS AND BE INCLUDED IN THE SUBMITTED MIX DESIGN FOR APPROVAL. THE USE OF CALCIUM CHLORIDE WILL NOT BE PERMITTED.
- CEMENT SHALL BE TYPE II ASTM C 150.
- DO NOT PLACE CONCRETE WITH SLUMP AND TEMPERATURE OUTSIDE THE LIMITS PROVIDED ON THE APPROVED MIX DESIGN.
- CHANGING MATERIAL, PROPORTIONS, PROPERTIES, SOURCES OR ANYTHING WHICH IS A CHANGE IN THE APPROVED MIX DESIGN REQUIRES A NEW MIX DESIGN SUBMITTAL.
- PROVIDE CONCRETE AS FOLLOWS: 28 DAY FC = 3,000 PSI, MAX SLUMP 6-8 IN, AGG TYPE HARD ROCK, MAX SIZE 1½"

STORM SHELTER NOTES:

STORM SHELTER DESIGN CODES AND LOADS

- BUILDING CODE: 2015 IBC
- ICC 500, 2014
- DESIGN WIND LOAD CRITERIA:
 - WIND VELOCITY – 250MPH
 - EXPOSURE – C
 - Gcpi = ±0.55
 - Kzt = 1.0
 - Kd = 1.0
 - DESIGNED WITH DIRECTION PROCEDURE
 - VERTICAL AND HORIZONTAL SURFACE MISSILE PROJECTILE REQUIREMENTS ARE MET.
- DESIGN LIVE LOAD:
 - ROOF 125PSF
- DESIGN DEAD LOAD:
 - BUILDING COMPONENT SELF WEIGHT
 - COLLATERAL 5PSF



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 ISSUED BY:
 ALLEN M. TAYLOR, P.E.
 LICENSE # 131295
 DATE: 7/12/21

2021 FRUITVALE ISD
 ADMINISTRATION BLDG
 FRUITVALE, TEXAS 75127
 STRUCTURAL NOTES



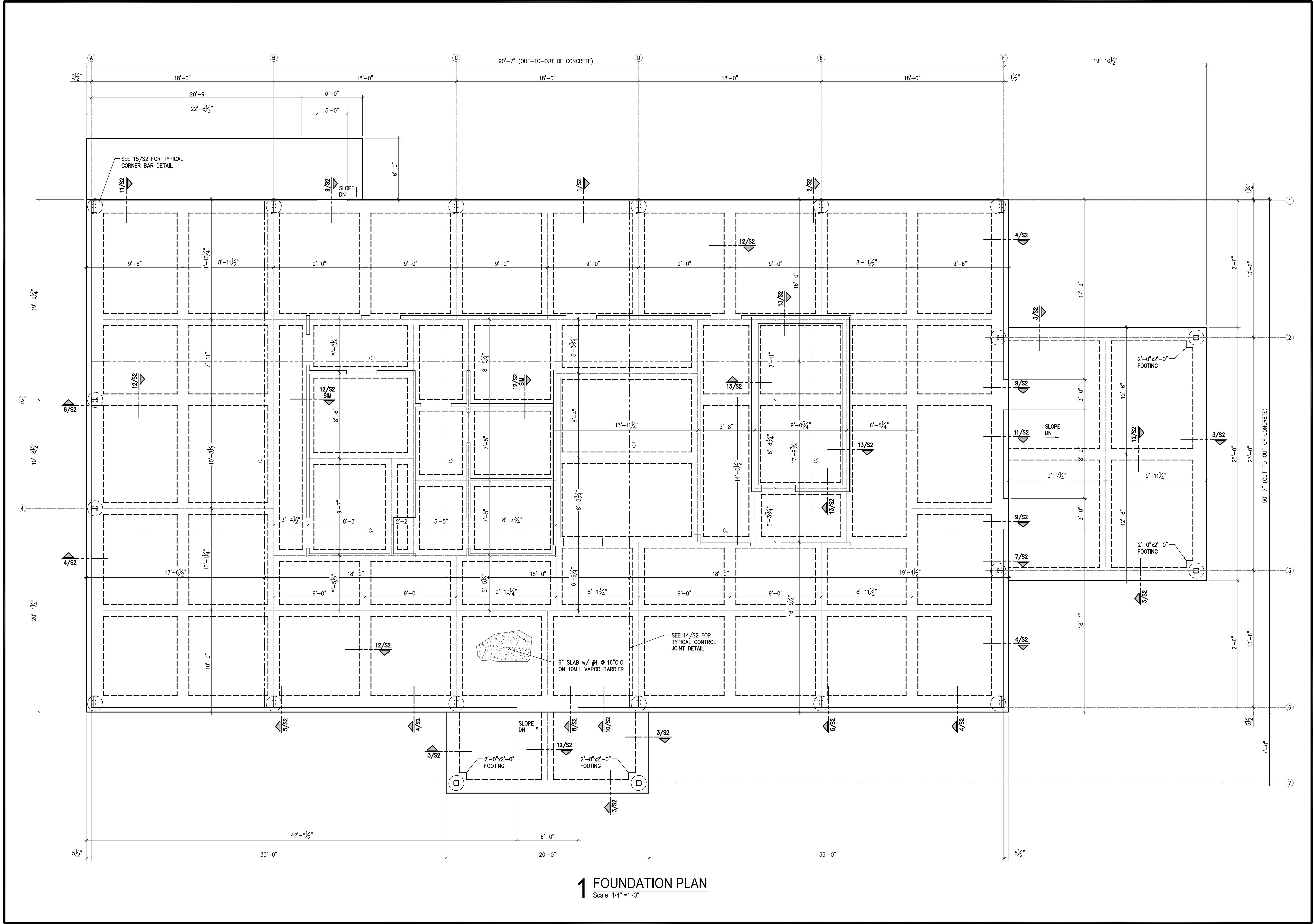
Issue/Revision	Date	Description
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050-21003

Sheet Number:

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1 FOUNDATION PLAN
 Scale: 1/4" = 1'-0"

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 ISSUED BY:
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 LICENSE # 131295
 DATE: 7/1/2021

2021 FRUITVALE ISD
ADMINISTRATION BLDG
 FRUITVALE, TEXAS 75127
FOUNDATION PLAN

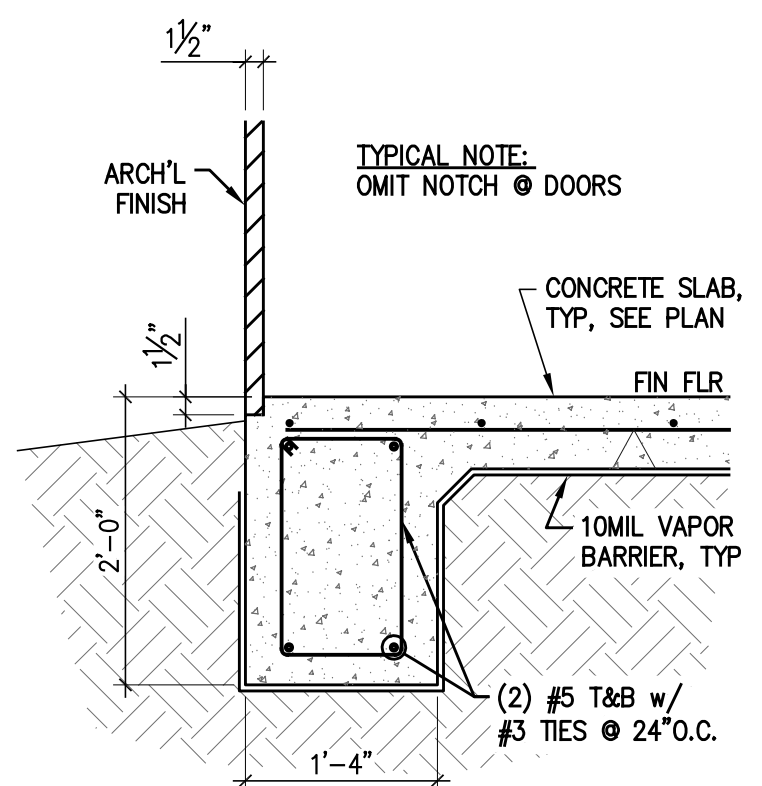


Issue/Revision Date & Description
FRB: 7-1-21

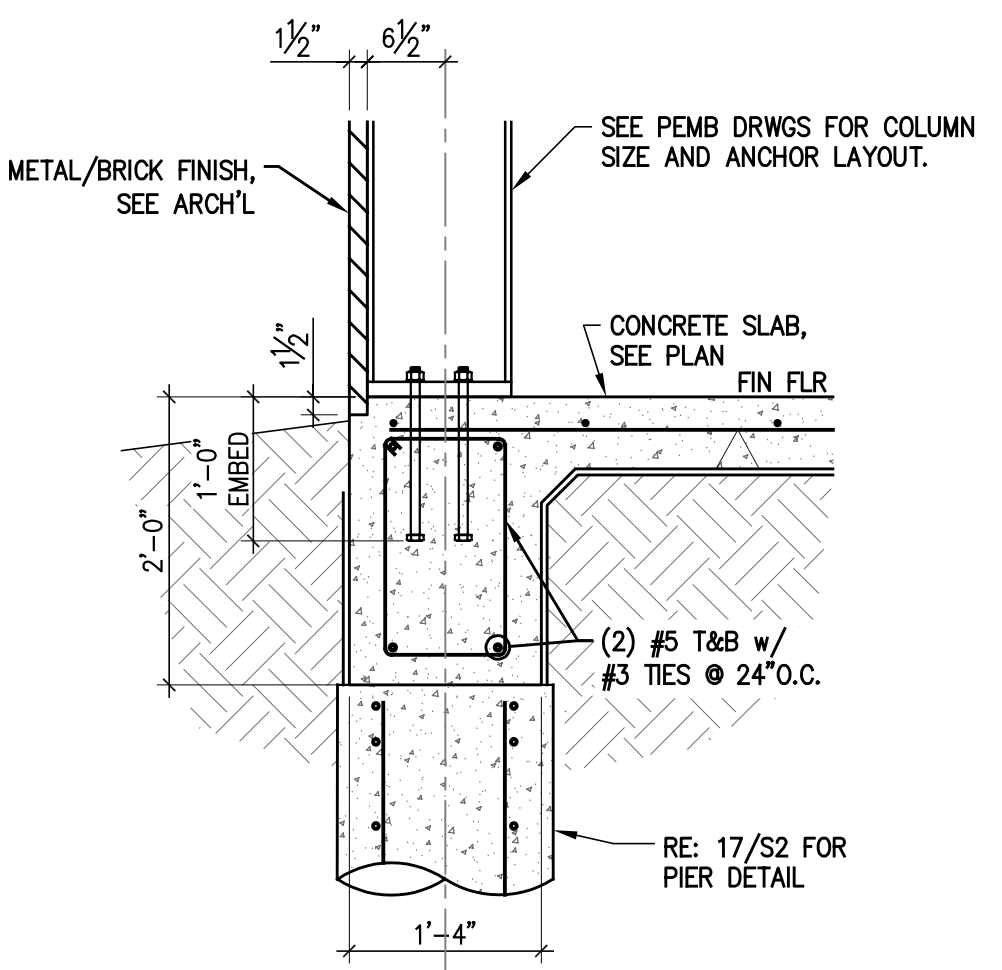
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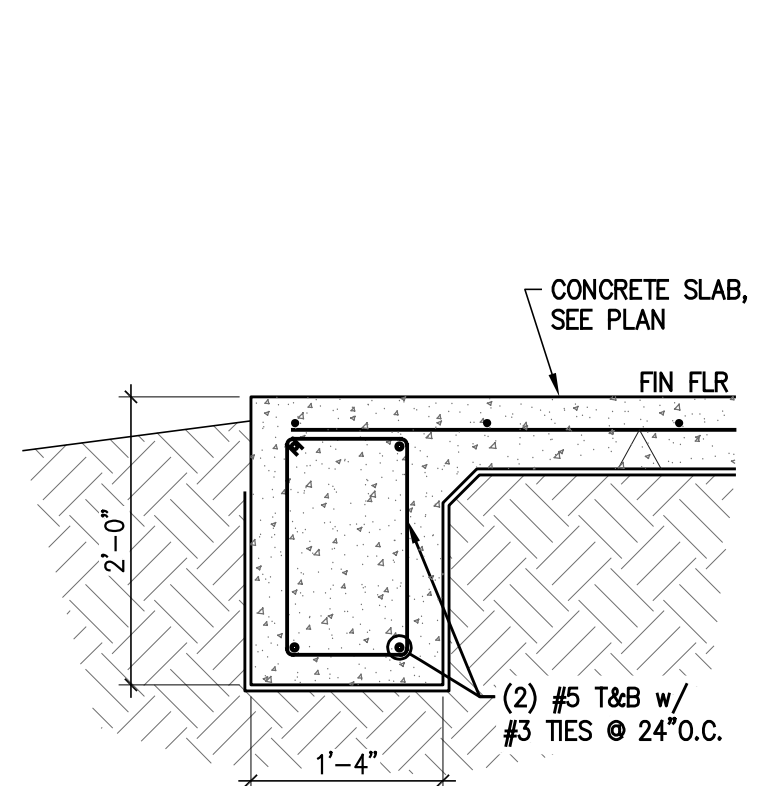
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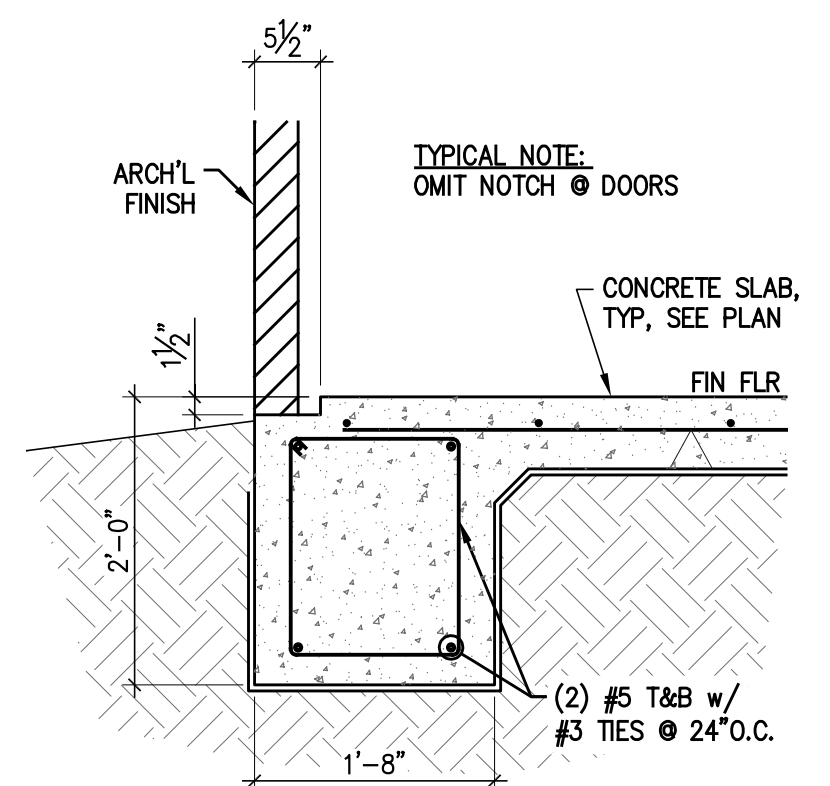
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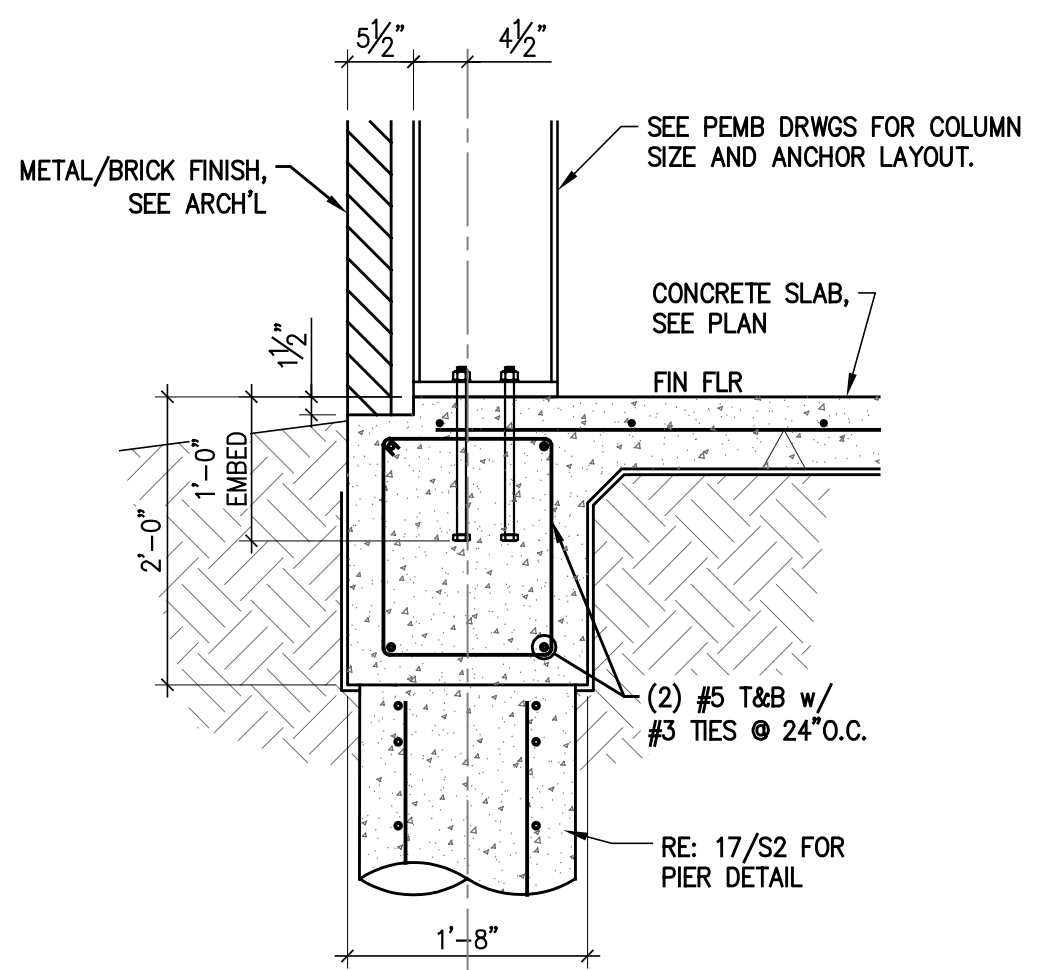
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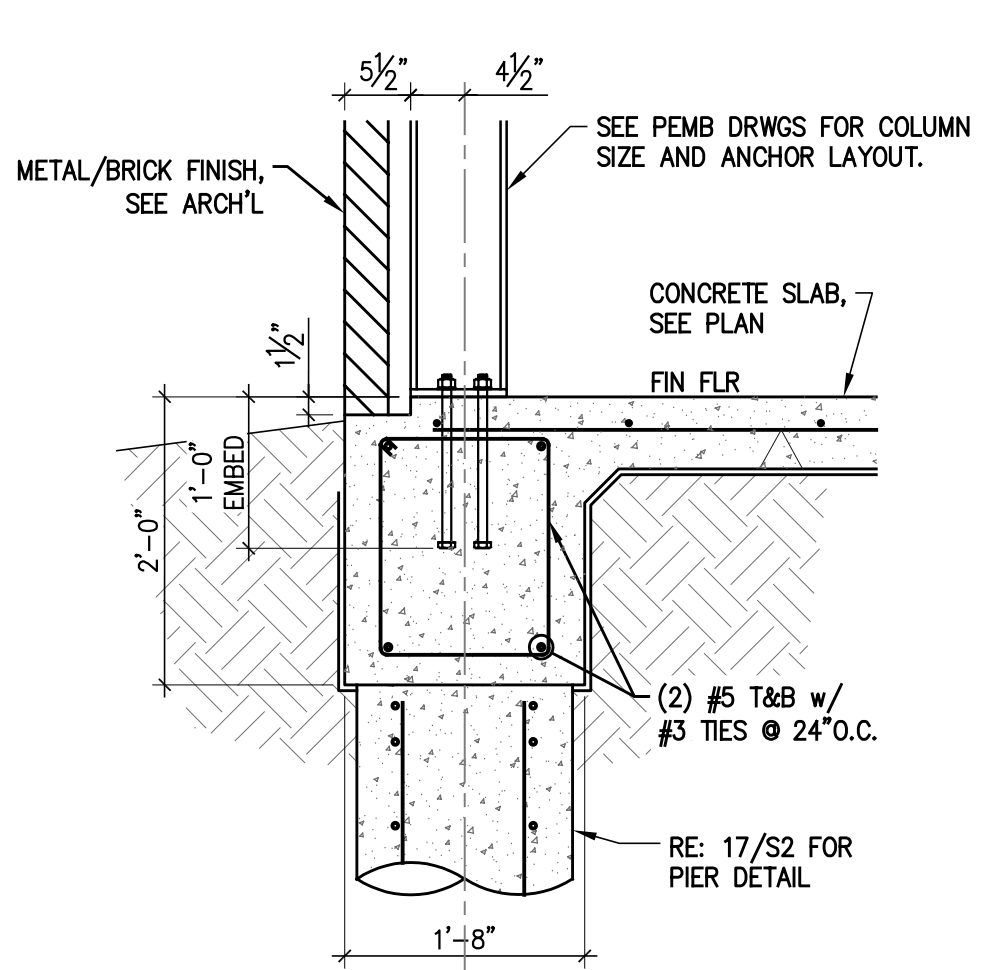
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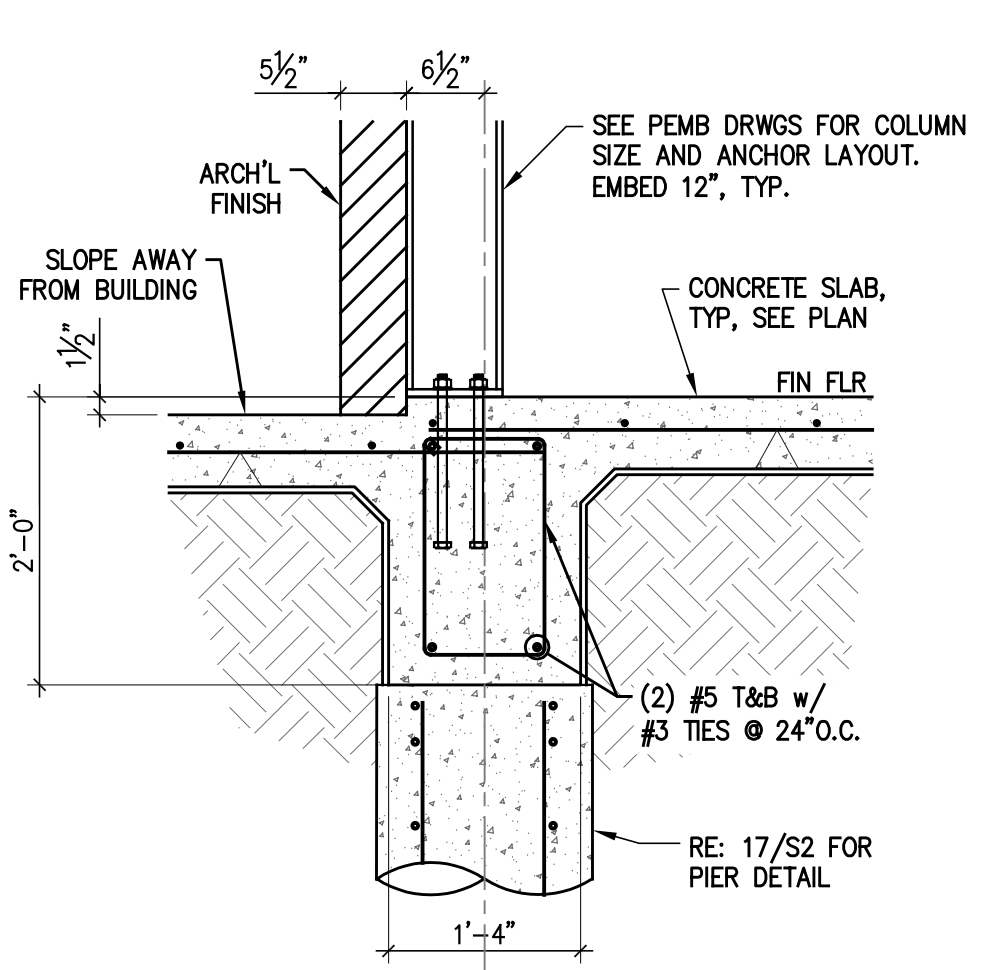
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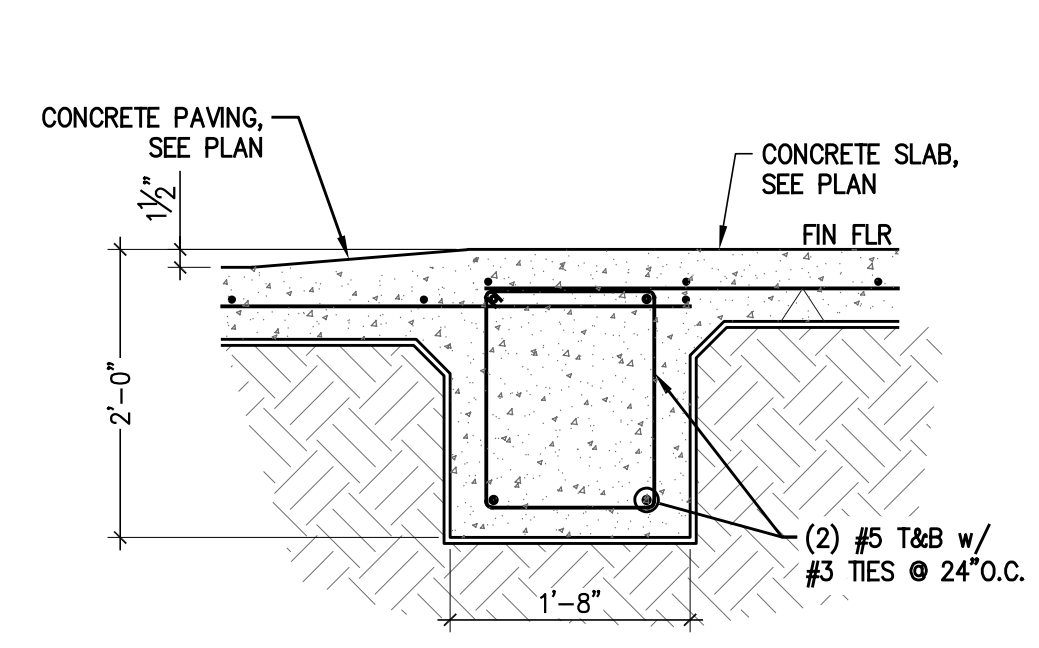
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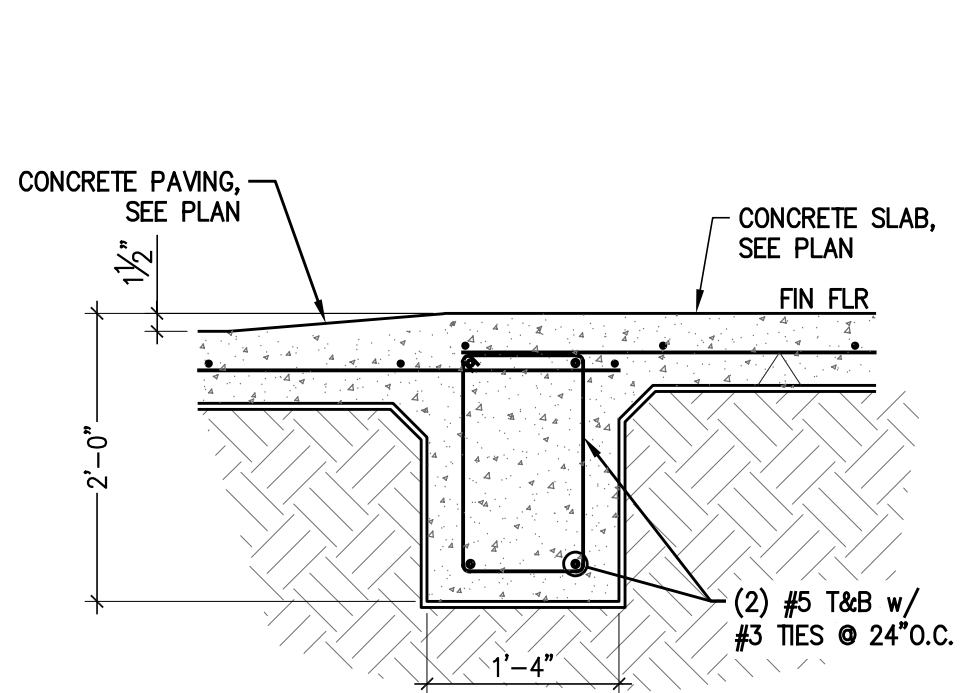
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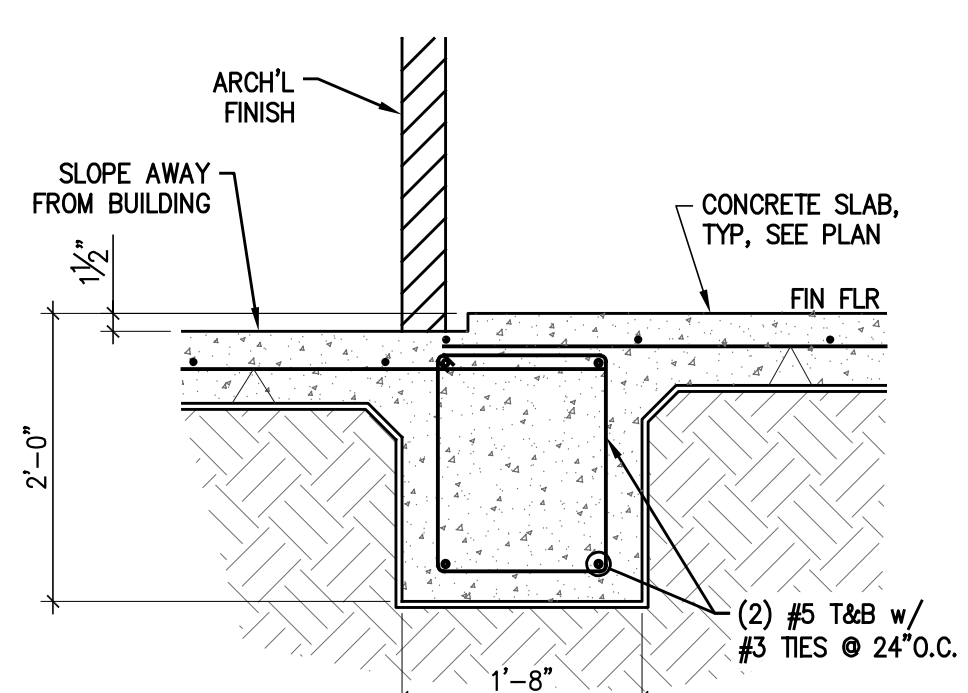
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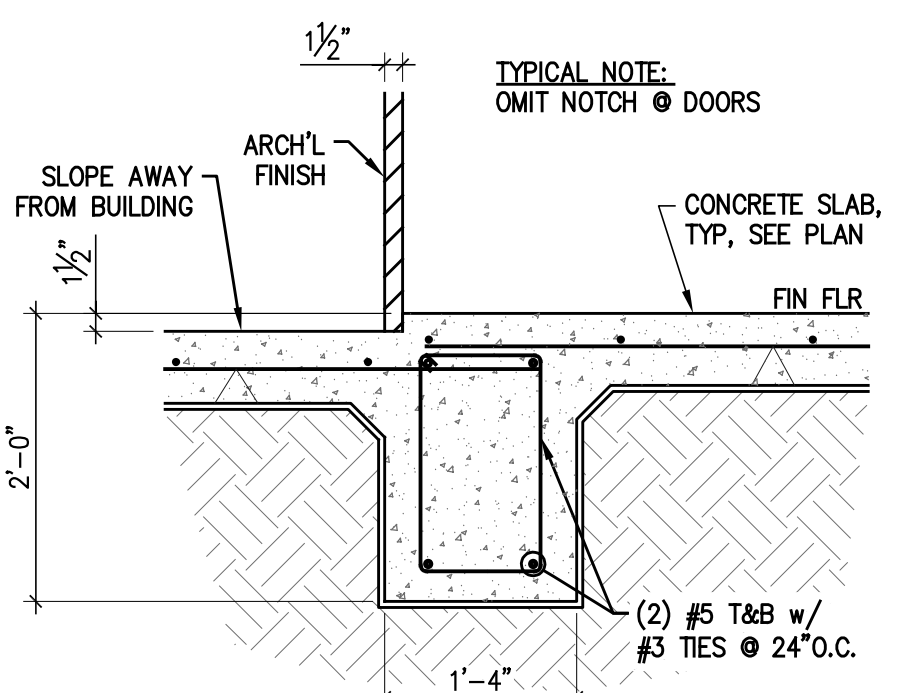
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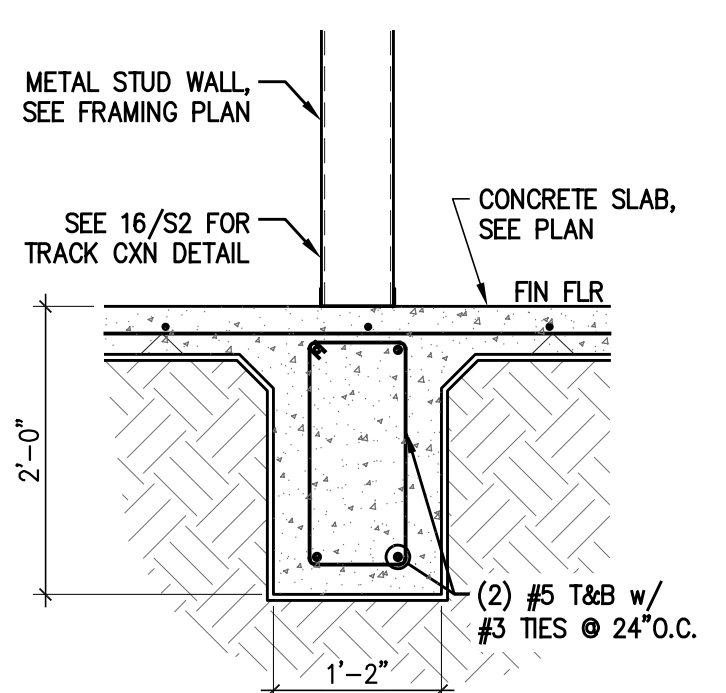
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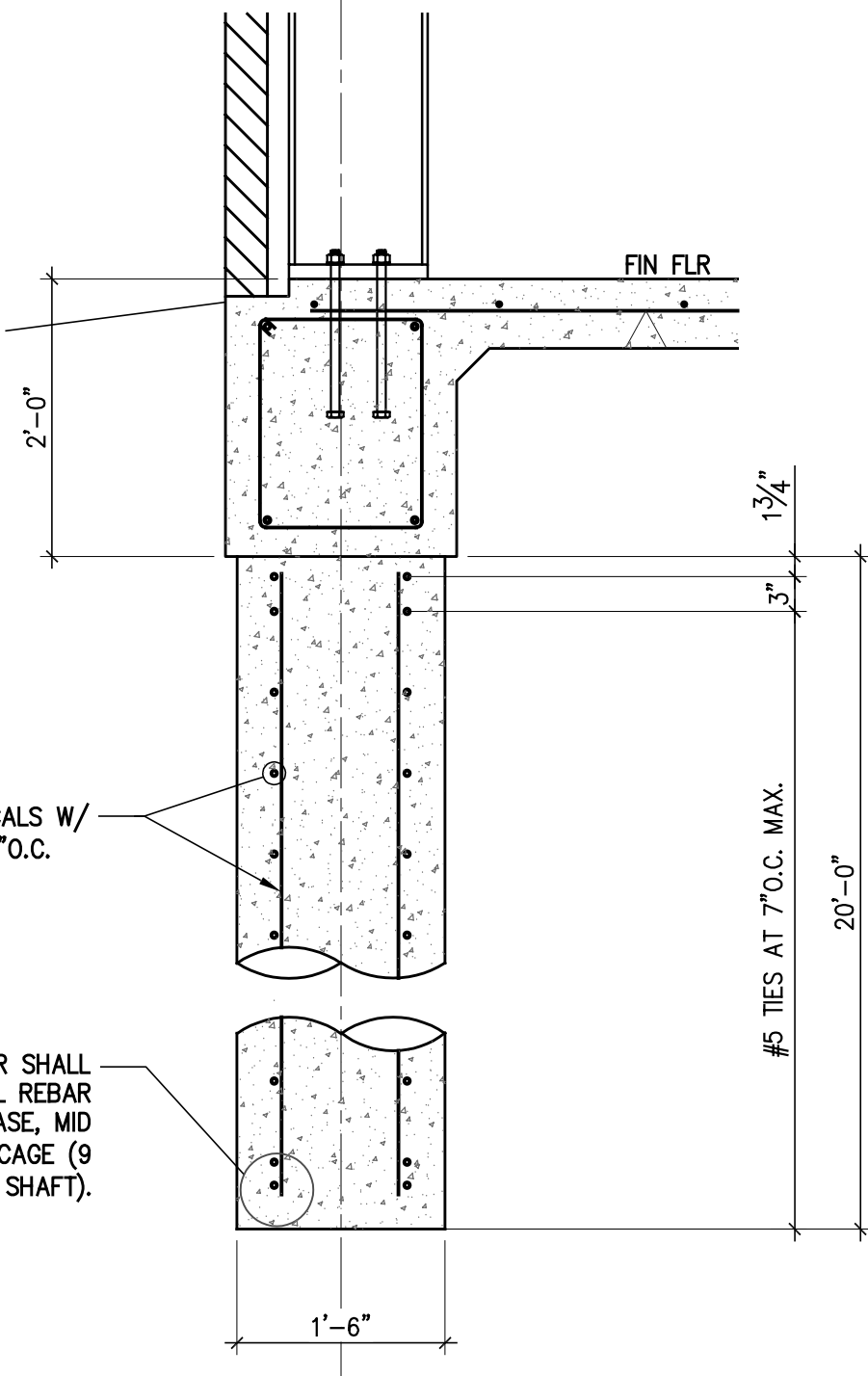
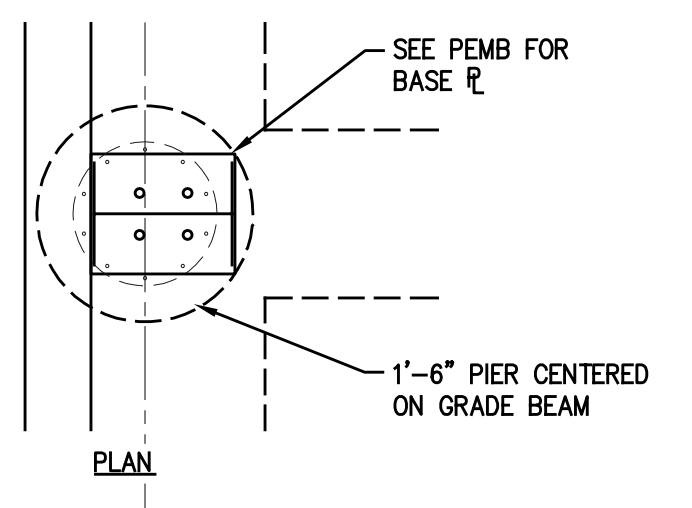
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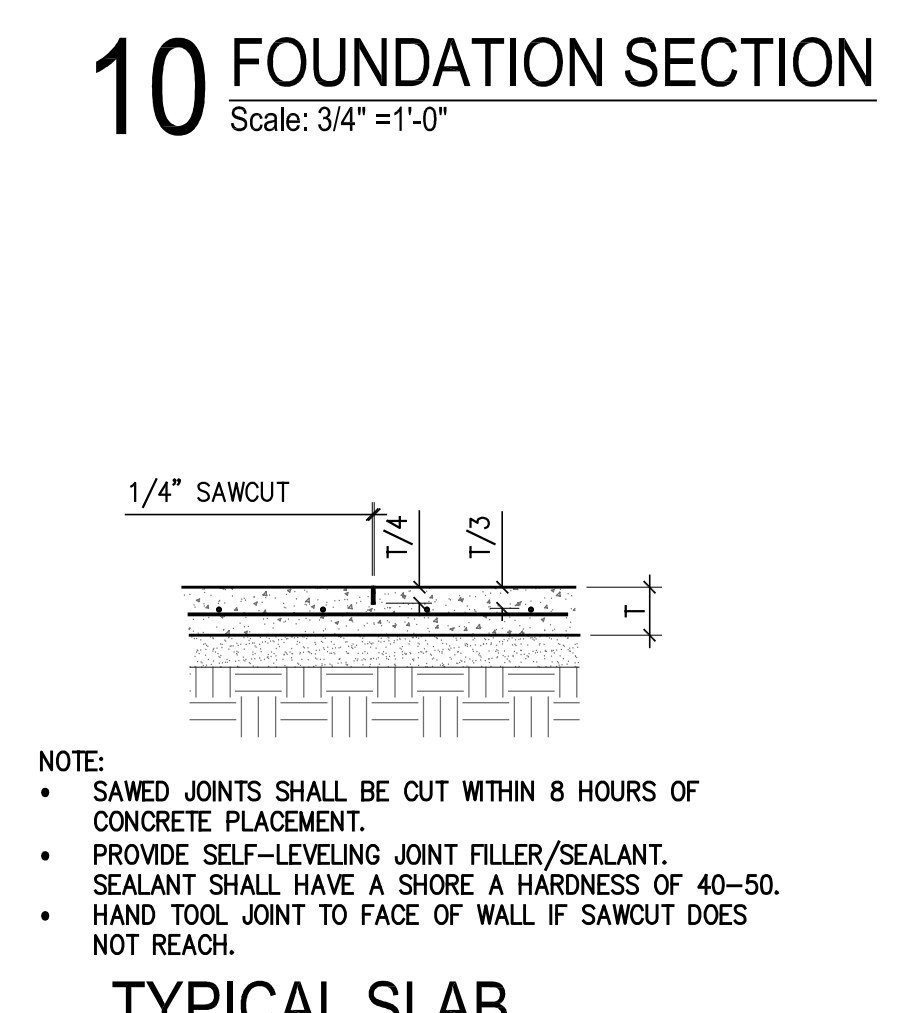
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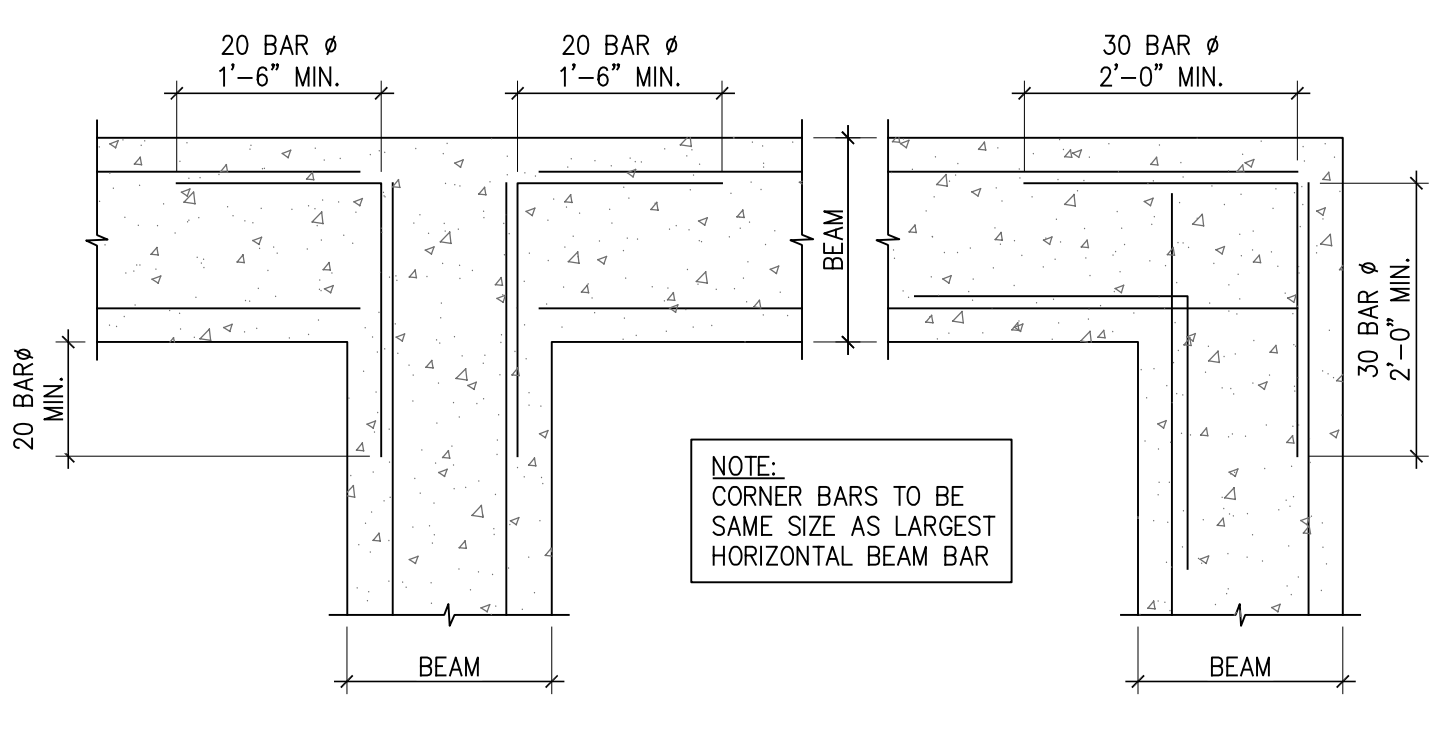
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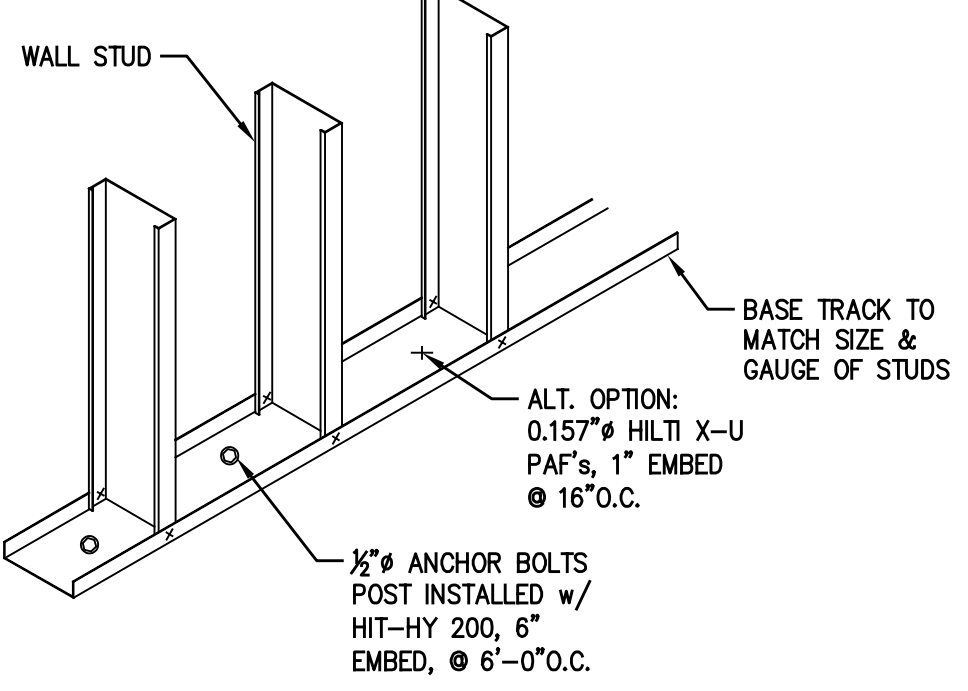
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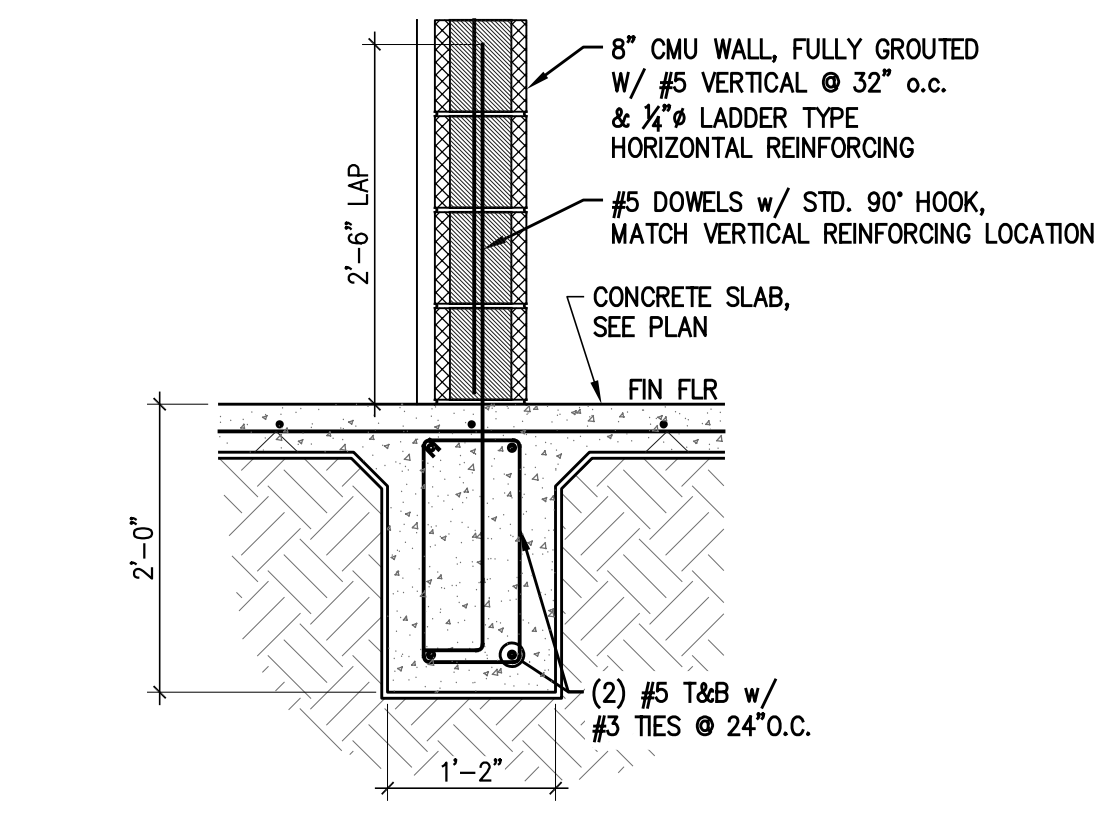
14 SAWCUT CONTROL DETAIL
Scale: NTS



15 TYPICAL CORNER BAR DETAIL
Scale: NTS



16 BASE TRACK ANCHORAGE OPTIONS
Scale: NTS



13 FOUNDATION SECTION
Scale: 3/4" = 1'-0"

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Issue/Revision	Date & Description
1	FEB. 7-1-21

Job Number:
050-21003

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- EXTERIOR WALL (AT METAL PANELS/BRICK WAJNSCOT):**
 8" METAL WALL GIRTS (U.N.O. REFER P.E.M.B) WITH WEATHER TIGHT METAL PANEL SYSTEM FULL HEIGHT OF WALL ON EXTERIOR SIDE. BRICK VENEER AT LOCATIONS SHOWN (REFER ELEVATION) INSTALL BRICK/STONE VENEER WITH BRICK TIES PER I.B.C.2015. INTERIOR SIDE TO BE ONE LAYER 5/8" GYP BOARD ON 3/8" METAL STUD FRAMING (ANCHOR TO GIRTS) UP TO ROOF DECK. REFER BUILDING SECTION FOR WALL INSULATION.
- EXTERIOR WALL (AT METAL PANELS):**
 8" METAL WALL GIRTS (U.N.O. REFER P.E.M.B) WITH WEATHER TIGHT METAL PANEL SYSTEM FULL HEIGHT OF WALL ON EXTERIOR SIDE. INTERIOR SIDE TO BE ONE LAYER 5/8" GYP BOARD ON 3/8" METAL STUD FRAMING (ANCHOR TO GIRTS) UP TO ROOF DECK. REFER BUILDING SECTION FOR WALL INSULATION.
- TYPICAL INTERIOR METAL STUD WALL:**
 3/8" METAL STUDS (U.N.O.) AT 16" O.C. WITH ONE LAYER OF 5/8" GYP BOARD EACH SIDE. EXTEND WALL ABOVE CEILING HEIGHT. BRACE STUDS AS REQUIRED. PROVIDE R-11 BATT INSULATION AT ALL INTERIOR WALLS.

- 1 HOUR RATED METAL STUD WALL:**
 3/8" METAL STUDS (U.N.O.) AT 16" O.C. WITH ONE LAYER OF 5/8" TYPE "X" GYP BOARD EACH SIDE (FIRE CAULKED) EXTEND WALL TO ROOF DECK OR CORRIDOR CEILING. BRACE STUDS AS REQUIRED. (REFER DETAIL K/A3.1)
- 2 HOUR RATED METAL STUD WALL:**
 3/8" METAL STUDS (U.N.O.) AT 16" O.C. WITH TWO LAYERS OF 5/8" TYPE "X" GYP BOARD EACH SIDE (FIRE CAULKED) EXTEND WALL TO ROOF DECK. BRACE STUDS AS REQUIRED. (REFER DETAIL P/A3.1)
- 8" CMU 1 HOUR FIRE RATED AND STORM RATED WALL:**
 8" CONCRETE MASONRY UNIT (CMU) WALL. REFER STRUCTURE FOR REINFORCING. FILL EACH CELL AS REQUIRED (FIRE CAULKED).
- EXTERIOR/INTERIOR WINDOW:**
 REFER WINDOW TYPES AND NOTES.

GENERAL NOTE: PROVIDE "CEMENT BOARD" IN ALL WET AREAS IN THICKNESS NOTED.

- REFER TO FLOOR PLANS FOR LOCATION OF PARTITION TYPES.
- REFER TO SCHEDULES AND DETAILS FOR FINISHES. PARTITIONS TYPES DESCRIBE BASE WALL ONLY.
- WALL STUDS CONTINUE TO UNDERSIDE OF STRUCTURE (U.N.O.).
- WHERE NO CEILING IS INDICATED, CONTINUE FINISH TO DECK, (U.N.O.).
- "LINE OF STRUCTURE" SHOWN AT THE HEAD AND SILL CONDITIONS IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE THE EXACT CONSTRUCTION CONDITION.
- FIRE-RESISTANCE-RATED PARTITIONS ARE TO TERMINATE AT THE UNDERSIDE OF ROOF DECKING.
- FULLY CONSTRUCT ALL FIRE-RESISTANCE-RATED PARTITIONS BEFORE ADJACENT NON-RATED PARTITIONS.
- WHERE REQUIRED, APPROPRIATE FRAMING AND GYPSUM BOARD SHALL BE INSTALLED TO OFFSET AROUND STRUCTURAL MEMBERS OR OTHER OBSTRUCTIONS SUCH AS PIPING OR DUCTWORK TO MAINTAIN THE FIRE-RESISTANCE RATING.
- NON-RATED PARTITIONS THAT CONTINUE TO THE UNDERSIDE OF STRUCTURE ARE TO TERMINATE AT APPROPRIATE LOCATIONS TO

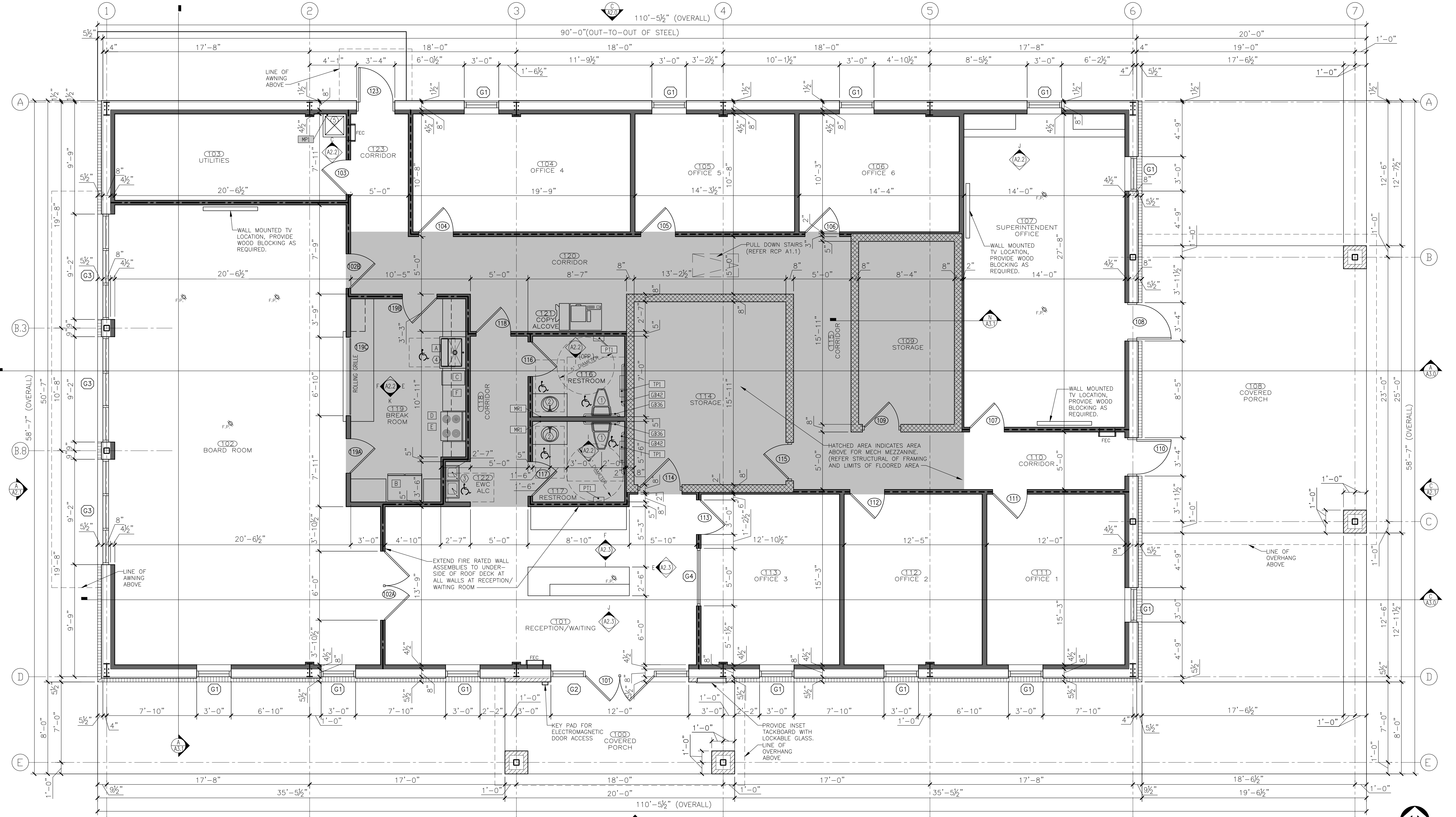
- MAINTAIN THE INTENT OF A CONTINUOUS PLANE OF GYPSUM BOARD AS A NOISE, SMOKE, OR OTHER TYPE OF BARRIER.
- STOP GYPSUM BOARD 1/2" BELOW LINE OF STRUCTURE AND SEAL.
 - A. FIRE-RESISTANCE-RATED PARTITIONS SHALL BE INSTALLED WITH A UL-APPROVED FIRE-RATED SEALANT (U.N.O.). B. NON-RATED PARTITIONS SHALL BE INSTALLED WITH ACOUSTICAL SEALANT (U.N.O.).
 - INSTALL UL-APPROVED FIRE-RATED DAMPERS AT MECHANICAL PENETRATIONS OF FIRE-RESISTANCE-RATED PARTITIONS AS REQUIRED.
 - USE MOISTURE-RESISTANCE GYPSUM BOARD IN RESTROOM, TYP.
 - ALL FRAMING AT DOOR AND WINDOW JAMBS SHALL BE DOUBLE-STUDDED. FRAME SHALL BE BRACED TO STRUCTURE.
 - CONTINUE FINISH MATERIAL TO A MINIMUM OF 6" ABOVE SUSPENDED CEILING (U.N.O.).
 - OFFSET ELECTRICAL BOXES AND OTHER PENETRATIONS MINIMUM 2'-0" (TYP.) ON OPPOSITE SIDES OF PARTITION.

- METAL STUD FRAMING: NON-LOAD BEARING, STUDS AT 16" SPACING FOR WALLS UP TO 14'-0" TALL WITH BRACING AT MID-SPAN (REFER STRUCTURAL FOR GAUGES).
- METAL STUD FRAMING: NON-LOAD BEARING, STUDS AT 16" STUD SPACING FOR WALLS FROM 14'-0" TO 22'-0" TALL WITH BRACING AT THIRD POINT (REFER STRUCTURAL FOR GAUGES)
- GYPSUM BOARD MARKED: F.C. (TYPE "X") GYPSUM BOARD TO BE USG "FIRECODE X" (OR SIMILAR) IN THICKNESS AS DETAILED. USE CONTROL JOINTS ON BOTH SIDES OF ALL WINDOW AND DOOR OPENINGS. CONTROL JOINTS SHALL BE USED IN LONG EXPANSES OF GYPSUM BOARD. EXPANSE LENGTH WITHOUT CONTROL JOINT SHALL NOT EXCEED 30'-0".
- METAL STUD FRAMING AT EXTERIOR AND LOAD BEARING WALLS: REFER STRUCTURAL FOR TYPE & SIZING.
- ALL WALLS AND CEILING THAT ARE TO BE PAINTED SHALL HAVE TAPE AND TEXTURE PER MANUFACTURER'S RECOMMENDATIONS.

P. WALL TYPE LEGEND

H. PARTITION NOTES

D. GENERAL NOTES



A. FLOOR PLAN 1/4"=1'-0"

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September 21, 2021

2021 FRUITVALE ISD
 ADMINISTRATION BLDG
 FRUITVALE, TEXAS 75127
 FLOOR PLAN



Issue/Revision	Date & Description
FR-08/21/21	
FB-07/02/21	FOR PERM PACKAGE
FB-08/21/21	

Job Number:
050-21003

Sheet Number:

A1.0

P. RCP FUTURE LEGEND

- EMERGENCY EXIT LIGHTING DIRECTIONAL (REFER ELEC)
- CEILING HEIGHT DESIGNATOR
- EMERGENCY EXIT SIGN DIRECTIONAL (REFER ELEC)
- RECESSED CAN LIGHT FIXTURES (REFER ELEC)
- 2'x2' LIGHT FIXTURE (REFER ELEC)
- AIR CONDITIONER SUPPLY GRILLE (REFER MECH)
- AIR CONDITIONER RETURN AIR GRILLE (REFER MECH)
- EXHAUST FAN (REFER MECH)
- LED THREE LAMP WALL MOUNTED LIGHT FIXTURES (REFER ELEC)
- LED EXTERIOR WALL SCONCE LIGHT FIXTURES (REFER ELEC)
- CEILING MOUNTED FAN (REFER ELEC)

M. CEILING TYPE LEGEND

- SOFFIT BOARD HATCH PATTERN
- 5/8" GYPSUM BOARD CEILING (USE MOISTURE RETARDANT CEMENT BOARD IN WET AREAS.)
- 2'x2' TEGULAR ACOUSTICAL CEILING TILE

L. TYPICAL DROP HEADER DETAIL

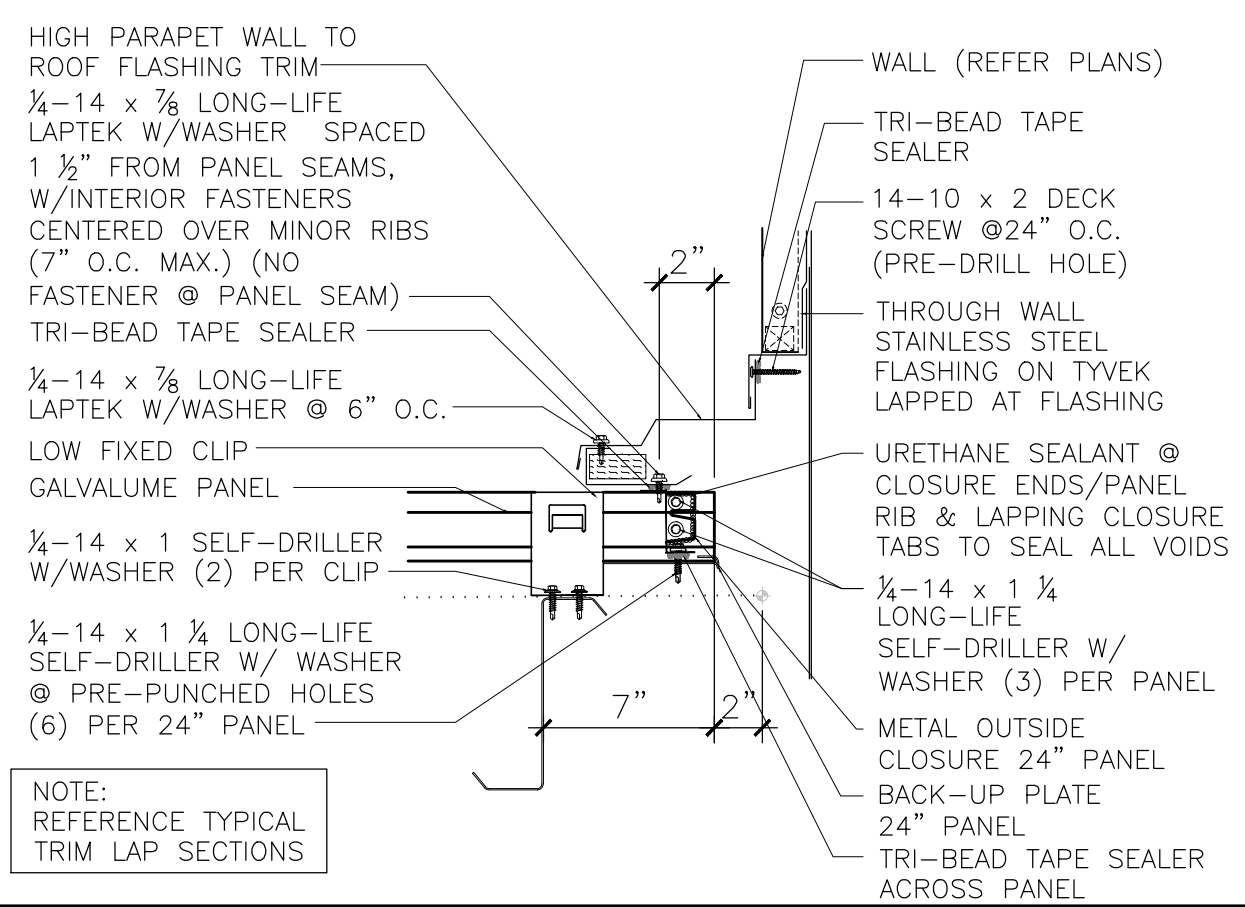
H. TYPICAL FURRDOWN DETAIL

D. FURRDOWN DETAIL AT BOARD ROOM

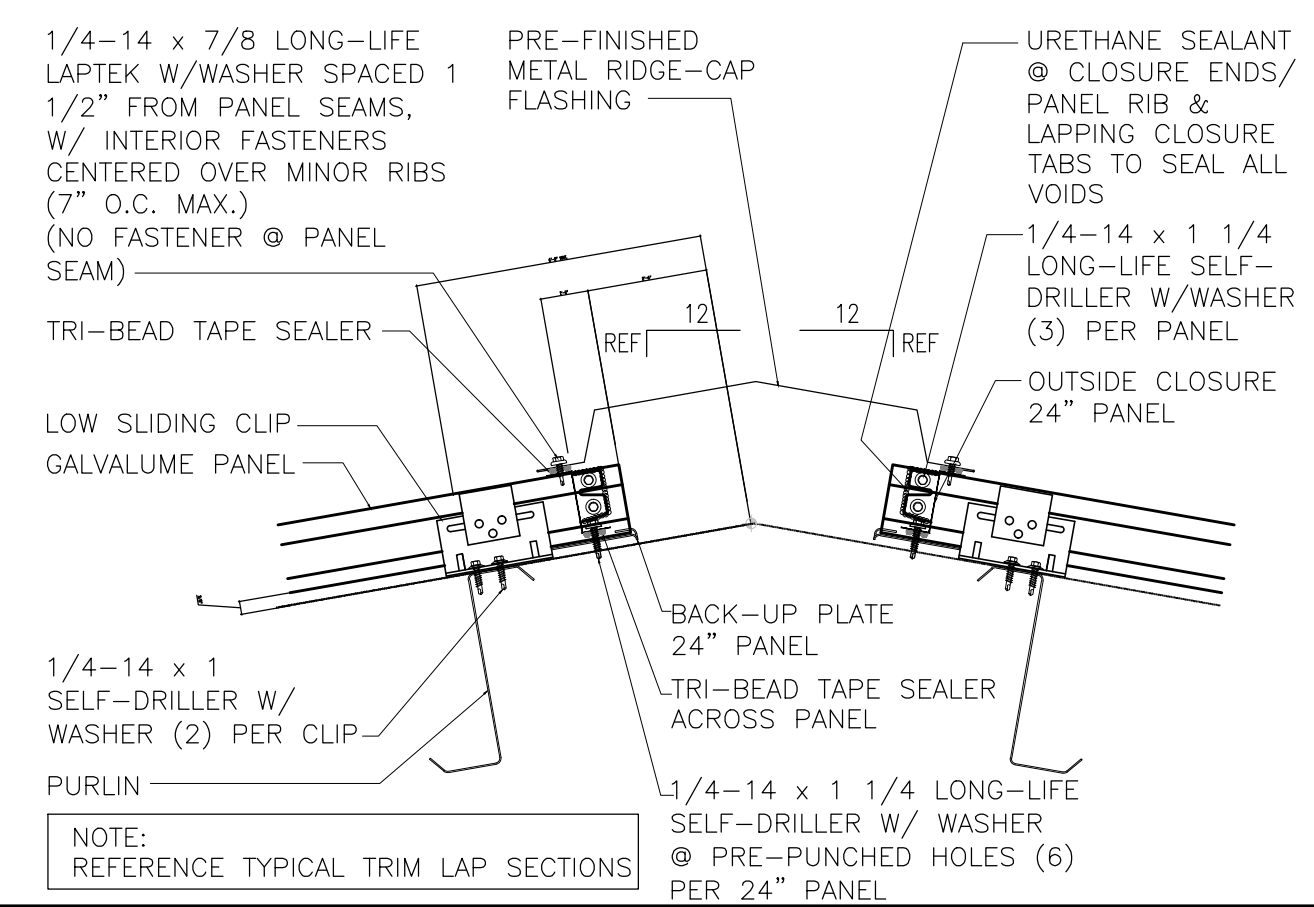


A. REFLECTED CEILING PLAN 1/4"=1'-0"

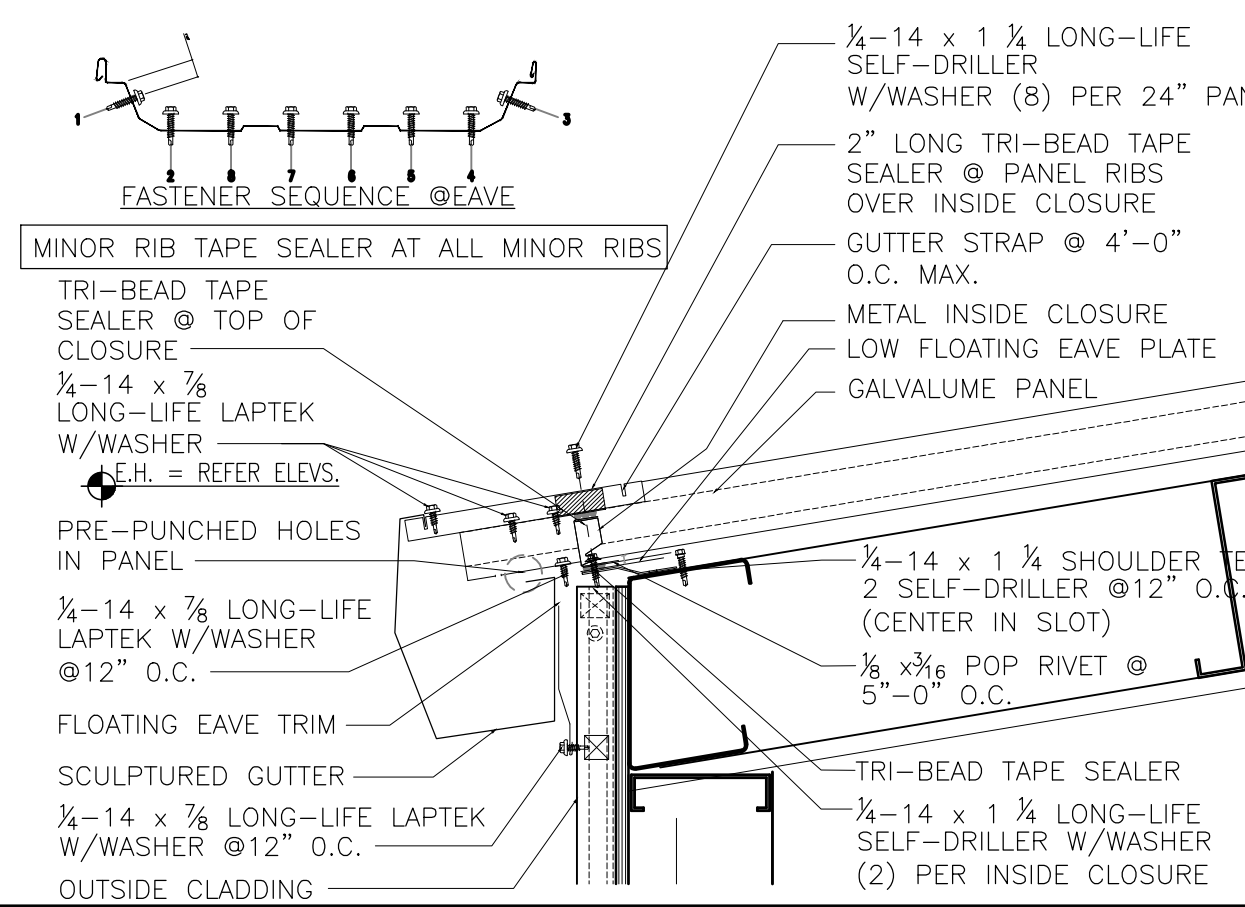
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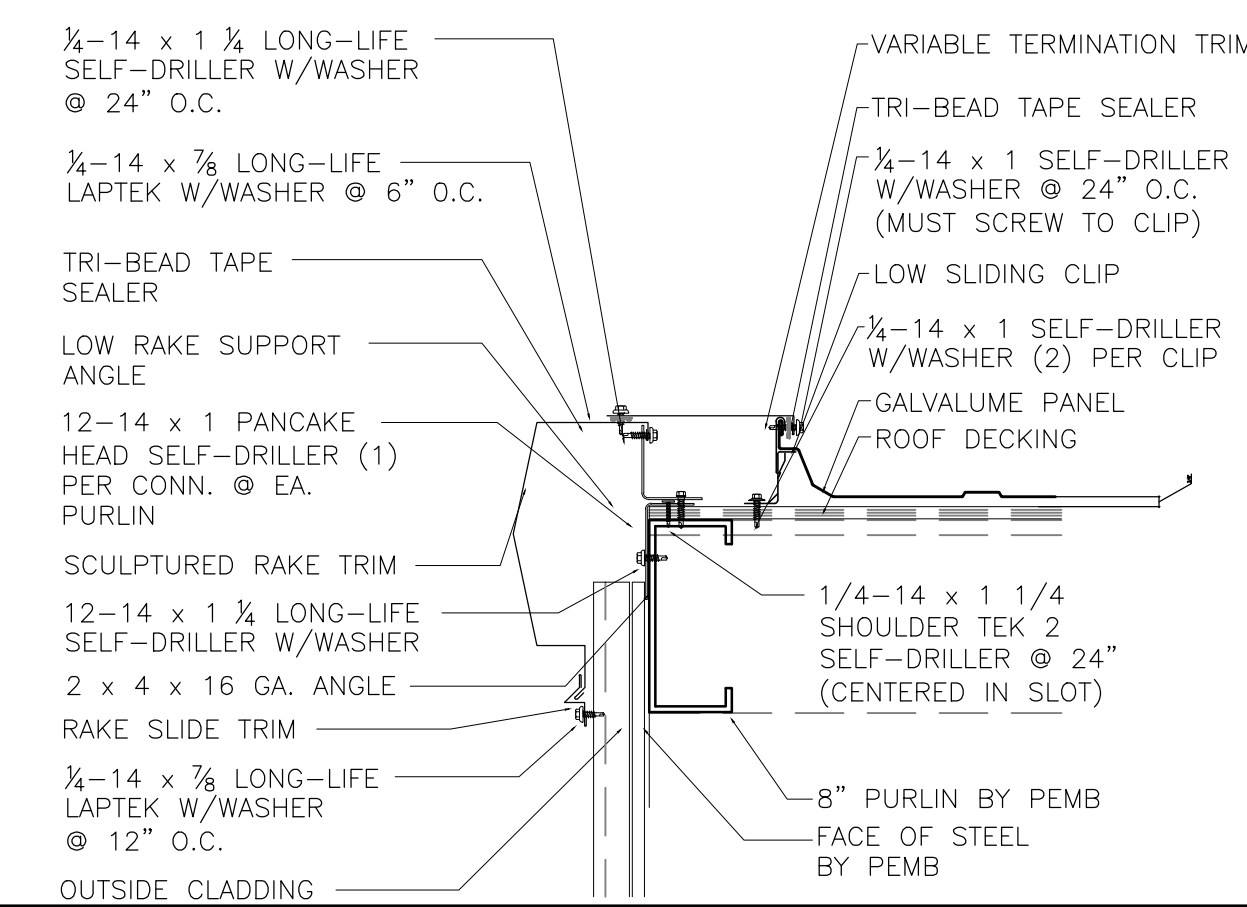
P. WALL TO ROOF FLASHING DETAIL N.T.S.



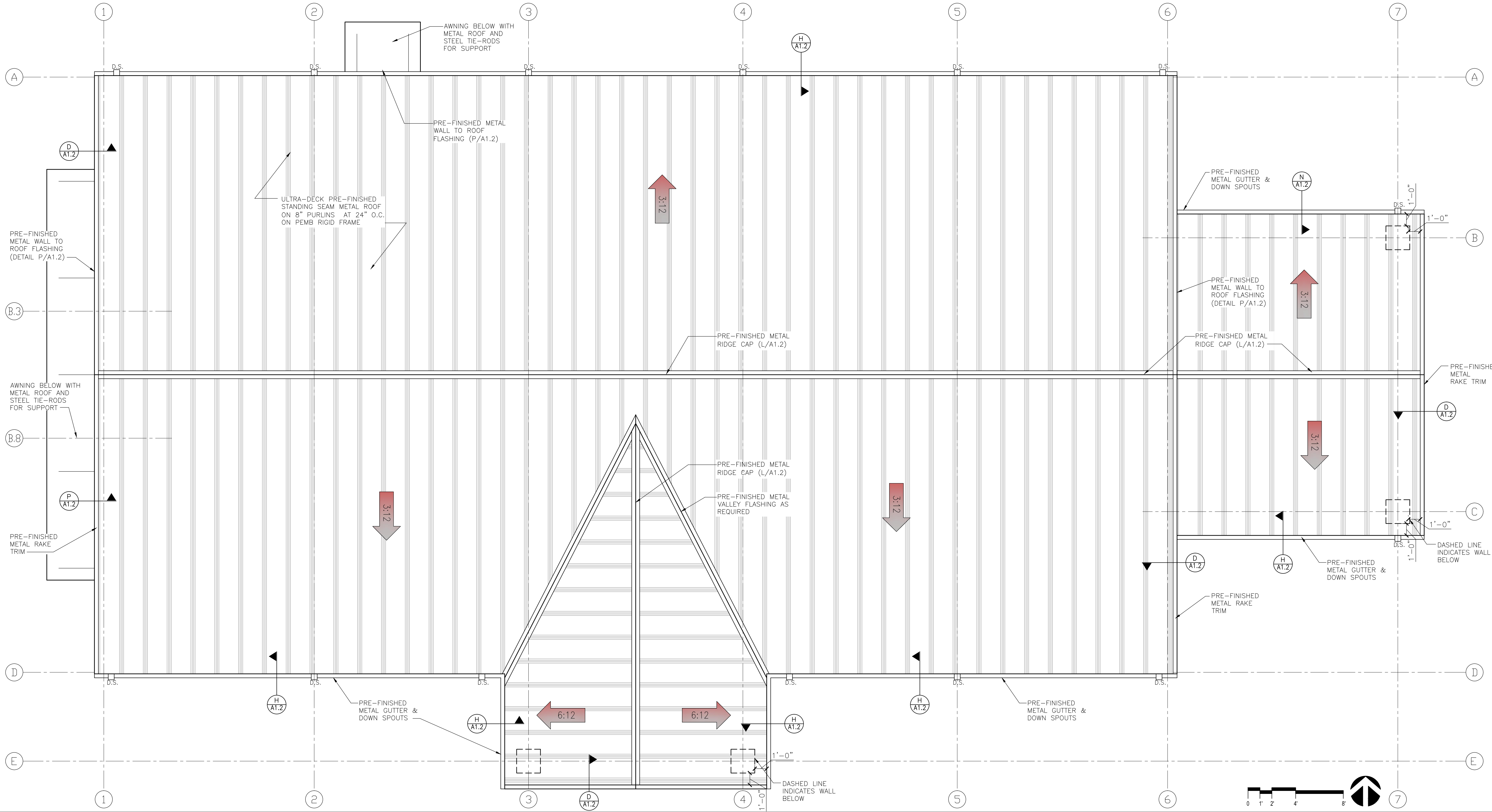
L. RIDGE CAP DETAIL N.T.S.



H. EAVE & METAL GUTTER DETAIL N.T.S.



D. RAKE DETAIL N.T.S.



A. ROOF PLAN 1/4"=1'-0"

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SO ARCHITECTURE
 REGISTERED ARCHITECT
 STATE OF TEXAS
 SEPTEMBER 21, 2021

2021 FRUITVALE ISD
 ADMINISTRATION BLDG
 FRUITVALE, TEXAS 75127
 ROOF PLAN

FRUITVALE INDEPENDENT SCHOOL DISTRICT
 TEXAS

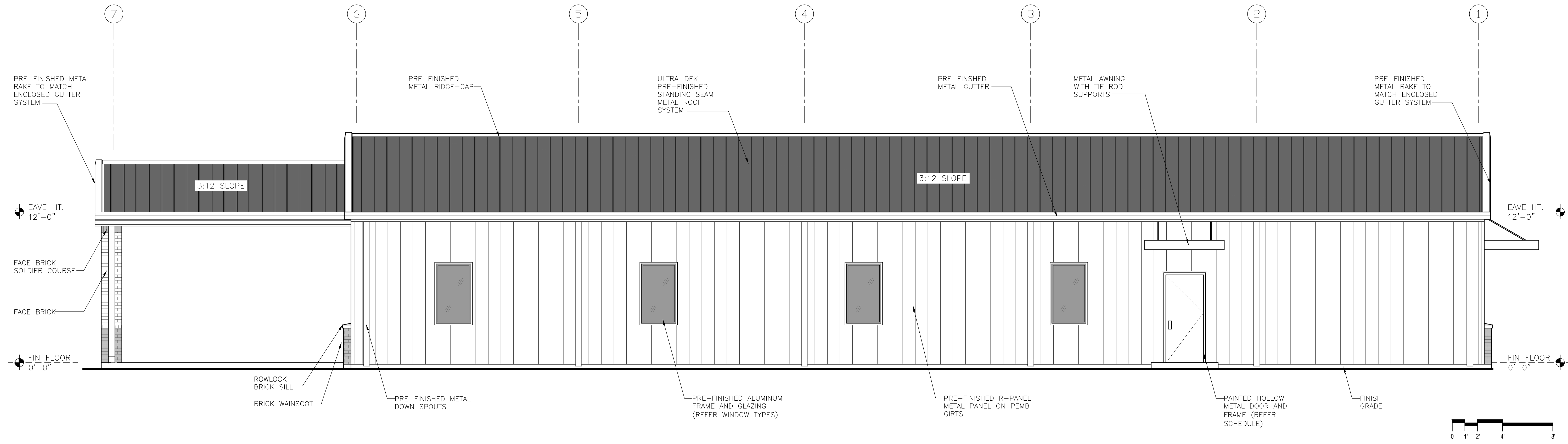
Issue/Revision	Date	Description
FR-06/21/21		
FR-07/02/21		FOR PERM PACKAGE
FR-09/21/21		

Job Number:
 050-21003

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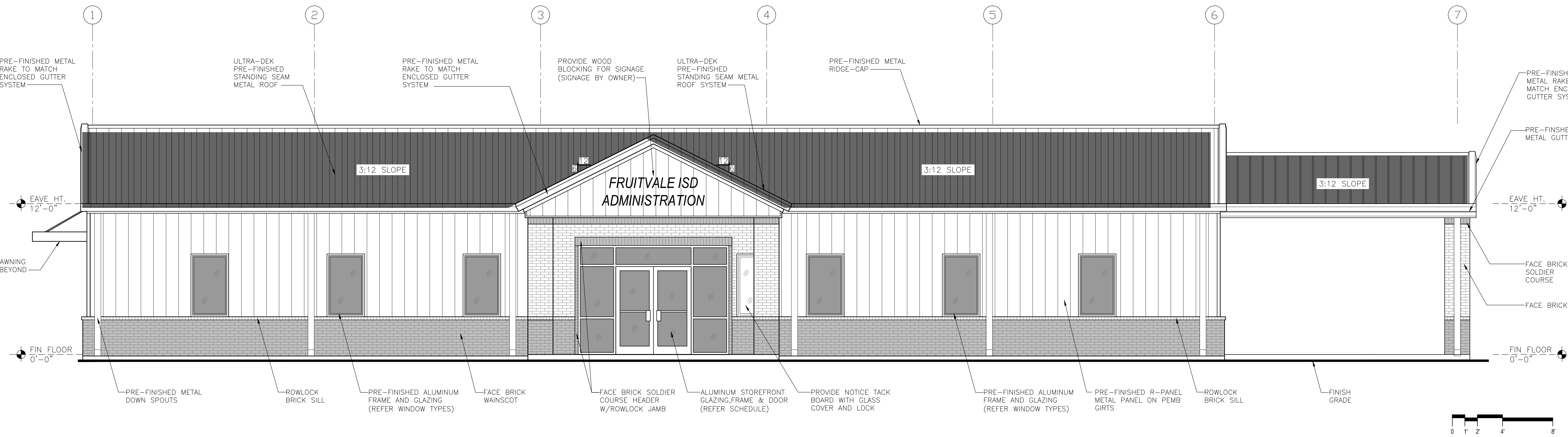
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C. NORTH ELEVATION 1/4"=1'-0"

1. DOOR HOODS, STEEL DOORS, FRAMES, EXPOSED METAL FLASHING AND EXPOSED MISCELLANEOUS STEEL SHALL MATCH ADJACENT BUILDING COLOR, (U.N.O.).
2. GUTTERS AND DOWNSPOUTS SHALL BE PREFINISHED METAL, (U.N.O.) COLOR TO BE SELECTED BY OWNER.
3. PROVIDE PLYWOOD BACKING FOR ALL SIGNAGE AS SHOWN.

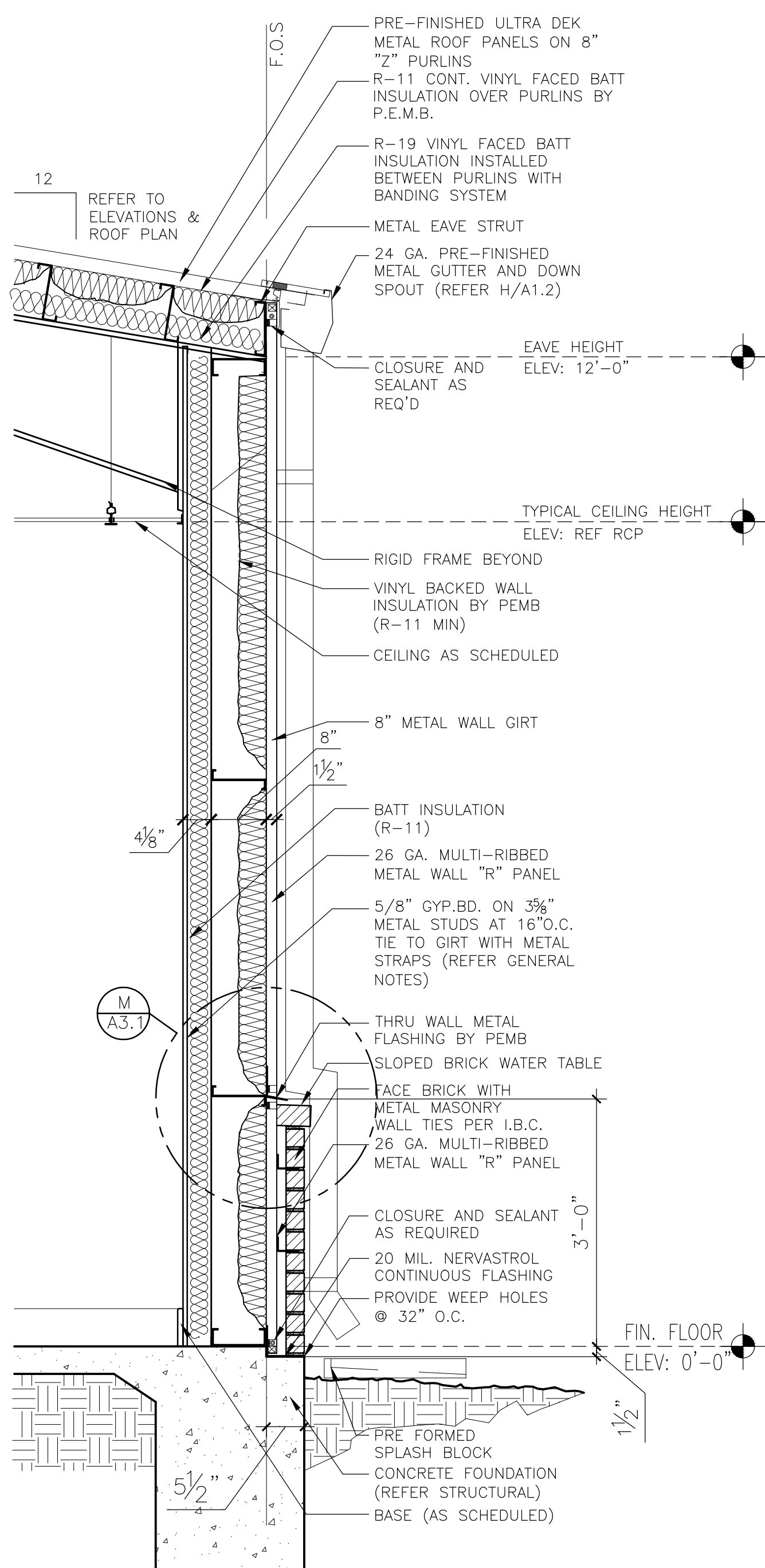


A. SOUTH ELEVATION 1/4"=1'-0"

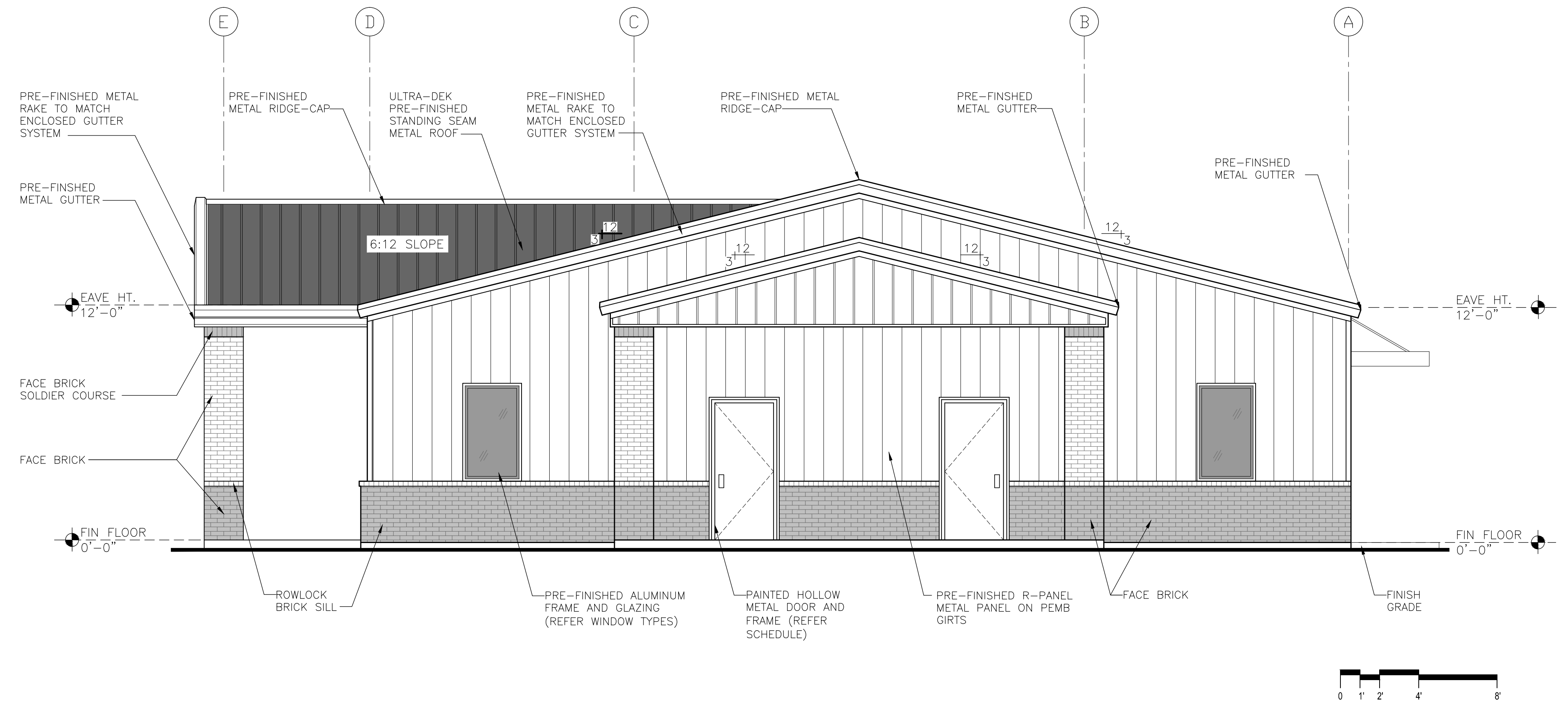
1. FILL ALL CELLS BELOW FLOOR LEVEL OR CONTAINING REBAR WITH 2500 PSI GROUT. GROUT SHALL BE PLACED IN LIFTS NO HIGHER THAN 5 FEET. MASONRY UNITS SHALL BE CLEAN AND DRY. INSTALL ALL TIES AND STRAPS PER MANUFACTURER'S SPECIFICATIONS.
2. ALL MASONRY SHALL BE PLACED IN FULL MORTAR BED. ALL MORTAR SHALL BE TYPE "M" OR TYPE "S."
3. THE INTERSECTION OF ALL MASONRY WALLS SHALL BE TIED WITH A 1/2" X 1/4" BY 30" LONG STRAP WITH A 3" - 90 DEGREE BEND AT EACH END. STEEL STRAPS SHALL BE PLACED IN THE MORTAR BEDS AT 48" ON CENTER VERTICALLY.
4. THE CONTRACTOR SHALL TAKE ADDITIONAL PRECAUTIONS WHEN MASONRY IS TO BE CONSTRUCTED DURING COLD WEATHER (AMBIENT TEMPERATURE BELOW 40 DEGREES FAHRENHEIT). DURING HOT CONDITIONS (ABOVE 90 DEGREES FAHRENHEIT) PRECAUTIONS SHALL BE TAKEN TO MINIMIZE EXCESS HEAT IN THE MASONRY UNITS CONCERNING WATER AND MORTAR. IT IS ADVISED THAT THE CONTRACTOR FOLLOW RECOMMENDATIONS PRESCRIBED BY THE PORTLAND CEMENT ASSOCIATION FOR COLD AND HOT WEATHER CONDITIONS.
5. ALL CONTROL JOINTS AND EXPANSION JOINTS SHALL BE INSTALLED IN ACCORDANCE TO THE STANDARDS SET FORTH BY THE NATIONAL CONCRETE MASONRY ASSOCIATION. IN NO CASE SHALL EXTERIOR WALL JOINTS BE SPACED GREATER THAN 30' ON CENTER AND INTERIOR WALL JOINTS SHALL NOT EXCEED 30' ON CENTER.
6. BRICK VENEER SIZE AND COLOR, AND MORTAR COLOR, TO MATCH EXISTING SCHOOL BUILDING AS CLOSE AS POSSIBLE.
7. WHERE NOTED, ON VENEER WALLS, PROVIDE 3/8"-1" CONTROL JOINTS BACKED WITH FOAM BACKER RODS, AND SEALED WITH NP1 OR EQUAL, COLOR TO MATCH BRICK COLOR.
8. ATTENTION SHALL BE GIVEN TO PROVIDE FULL HEAD AND BED JOINTS AND CLEAN CAVITY.
9. PROVIDE VENEER ANCHORS @ 16" ON CENTER VERTICALLY, 32" ON CENTER HORIZONTALLY. (PER IBC 2015)
10. PROVIDE 10 MIL. PVC FLASHING WITH WEEPS AT APPROXIMATELY 32" ON CENTER MAXIMUM.

P. MASONRY NOTES NTS

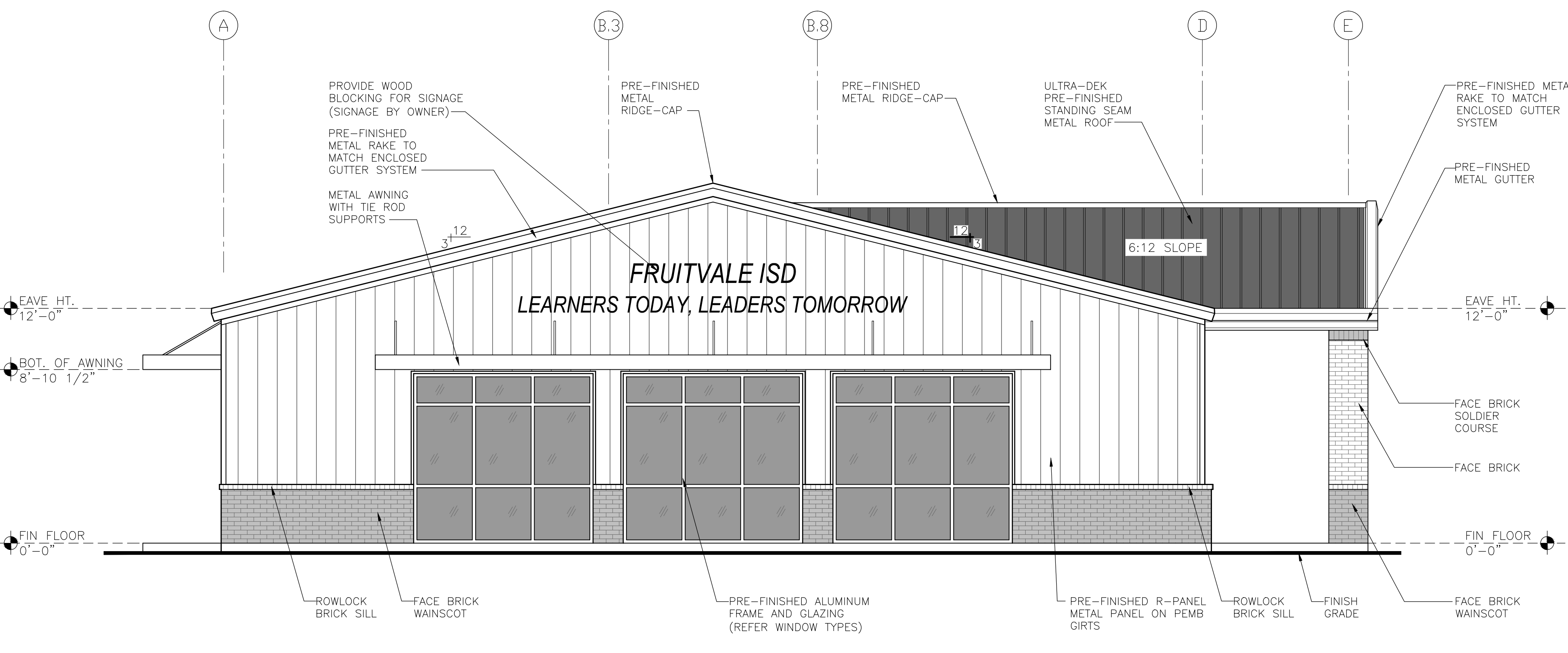
1. DOOR HOODS, STEEL DOORS, FRAMES, EXPOSED METAL FLASHING AND EXPOSED MISCELLANEOUS STEEL SHALL MATCH ADJACENT BUILDING COLOR, (U.N.O.).
2. GUTTERS AND DOWNSPOUTS SHALL BE PREFINISHED METAL, (U.N.O.) COLOR TO BE SELECTED BY OWNER.
3. PROVIDE PLYWOOD BACKING FOR ALL SIGNAGE AS SHOWN.



M. TYPICAL WALL SECTION AT WAINSCOT 3/4"=1'-0"



C. EAST ELEVATION 1/4"=1'-0"

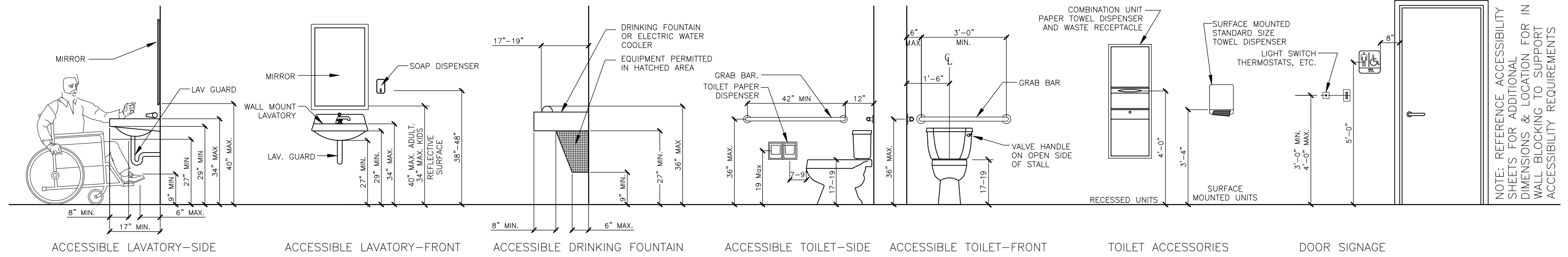


A. WEST ELEVATION 1/4"=1'-0"

A	FOOD WASTE DISPOSER: KITCHENAID MODEL KCDS075T 3/4 HP 120 V, 60 HZ, 15 AMP PROVIDE WALL SWITCH	F	MICROWAVE (COUNTERTOP) KITCHENAID MODEL KMCC515GSS 1000 W; 1.5 C.F. CAPACITY 12 1/2"H x 21-3/4"W x 20-1/8"D (VERIFY POWER REQUIREMENTS WITH MANUFACTURER)
B	REFRIGERATOR/FREEZER: KITCHENAID MODEL KRFF507HPS 26.8 C.F. CAPACITY (REF 19 C.F.) 115 V, 60 HZ, 15 AMP SINGLE PHASE		
C	ICE MAKER: WHIRLPOOL MODEL WUI95X15HZ 34.5"H x 15"W x 23.125"D 115-120 V, 60 HZ, SINGLE PHASE		
D	MICROWAVE/VENT HOOD: KITCHENAID MODEL KMHC319ESS 1000 W; 1-2/5 C.F. CAPACITY 17-1/8"H x 29-7/8"W x 17"D (VERIFY POWER REQUIREMENTS WITH MANUFACTURER)		
E	RANGE: KITCHENAID MODEL KFCG500ESS 3600 W 47-1/8"H x 29-7/8"W x 27-3/4"D (VERIFY POWER REQUIREMENTS WITH MANUFACTURER)		

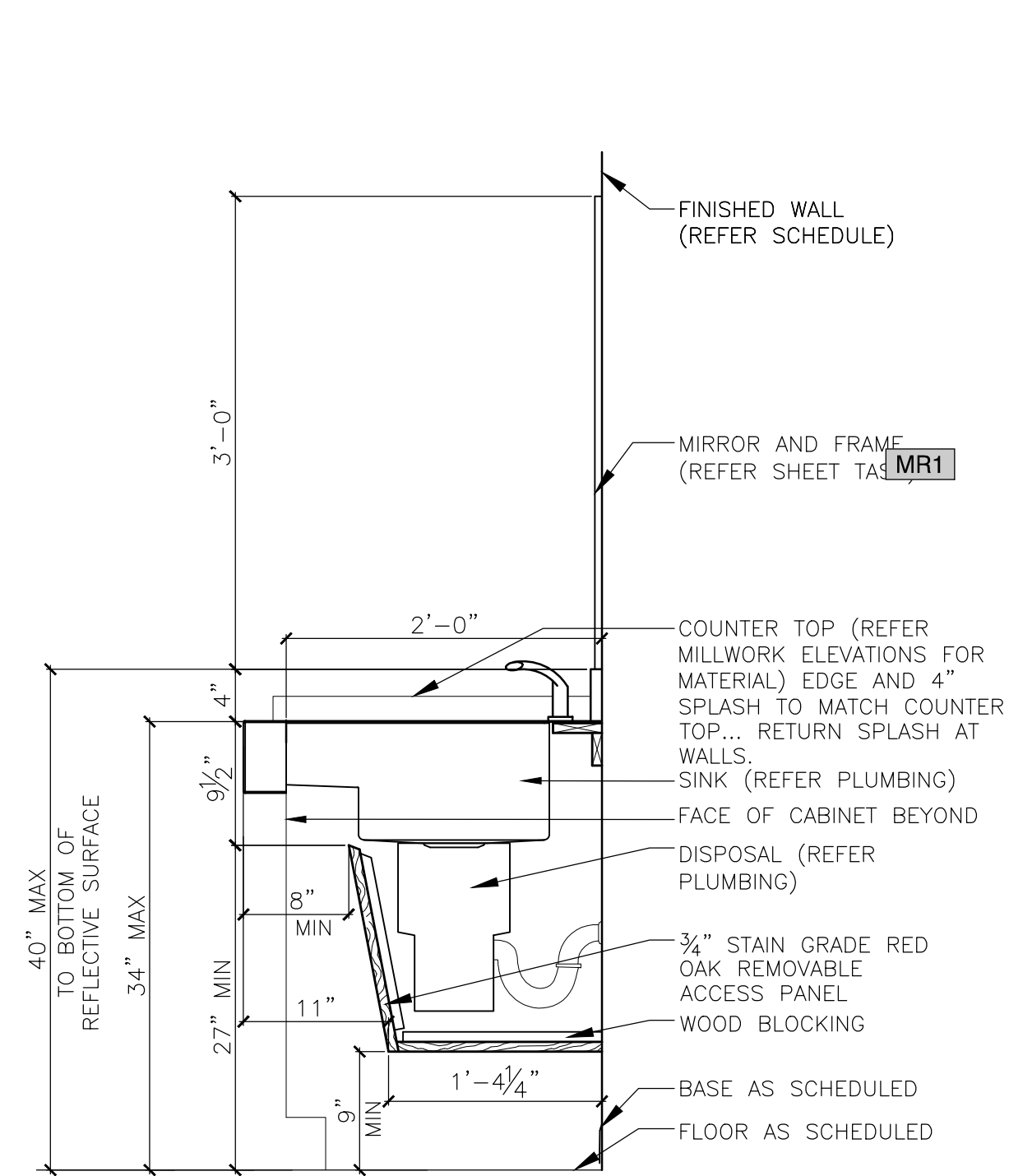
EQUIPMENT SHOWN IS FOR BIDDING PURPOSES ONLY - OWNER TO SELECT APPLIANCES/EQUIPMENT

P. KITCHEN EQUIPMENT SCHEDULE



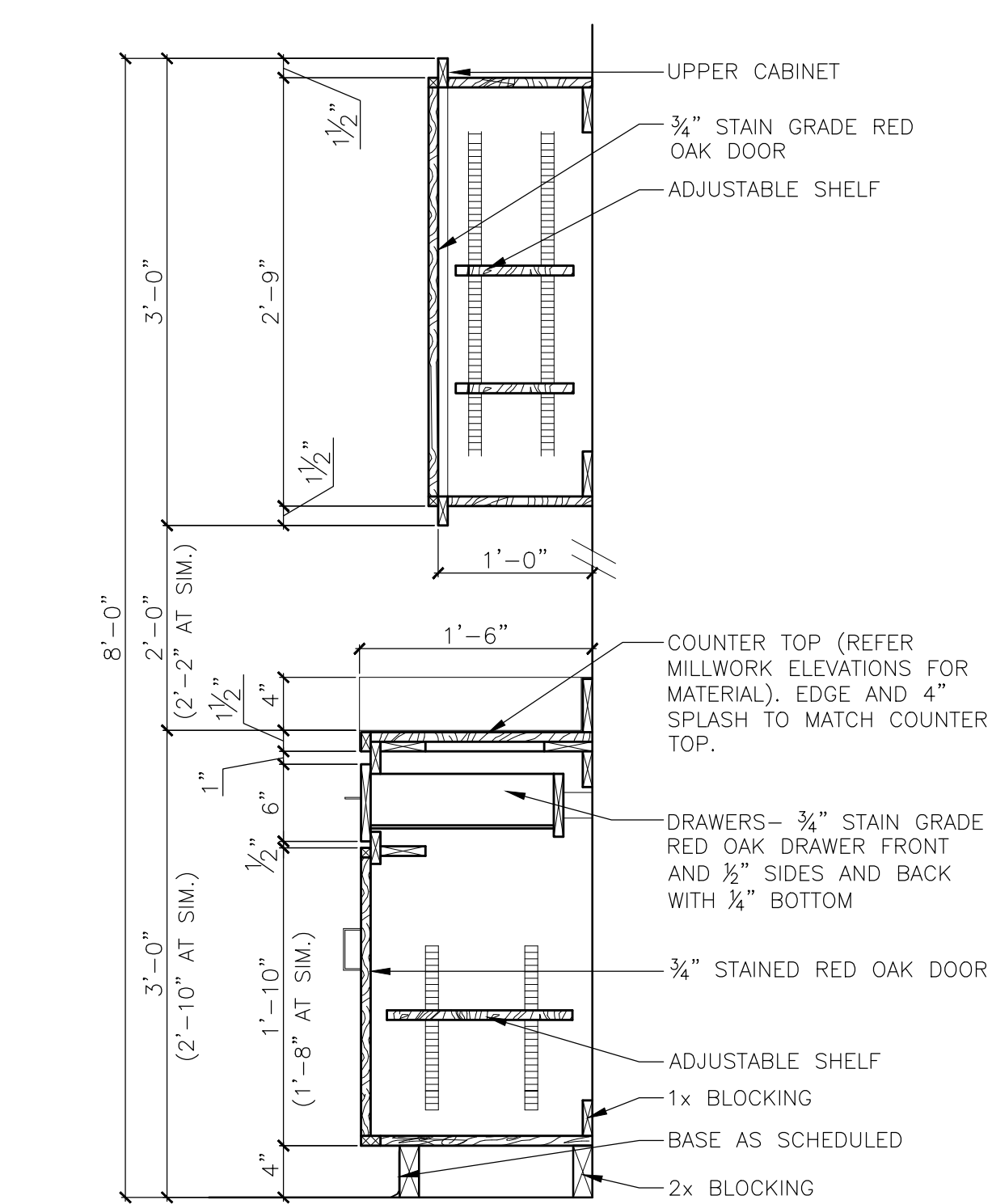
D. MOUNTING HEIGHTS AND CLEARANCES FOR ACCESSIBILITY

NOTE: REFERENCE ACCESSIBILITY SHEETS FOR ADDITIONAL DIMENSIONS & LOCATION FOR WALL BLOCKING TO SUPPORT ACCESSIBILITY REQUIREMENTS



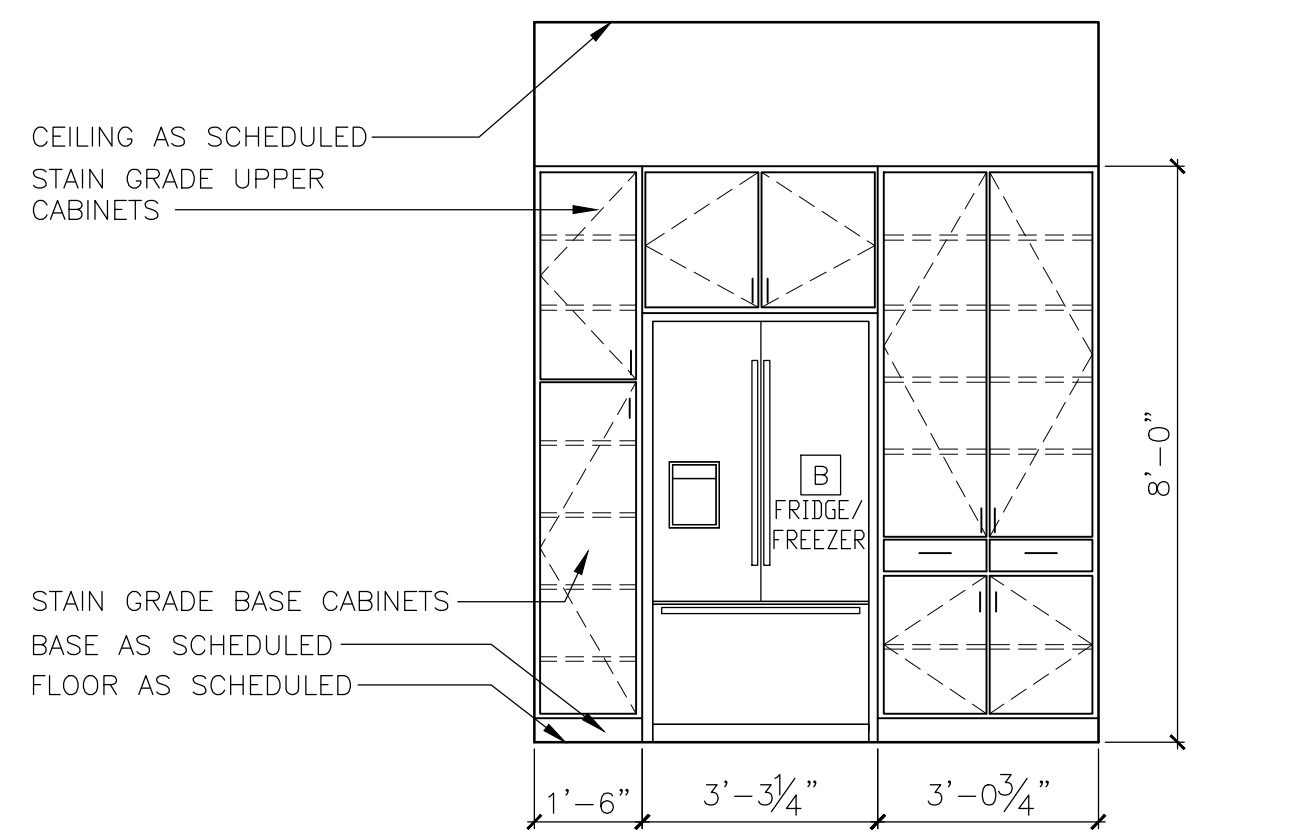
N. SINK SECTION DETAIL

1"=1'-0"



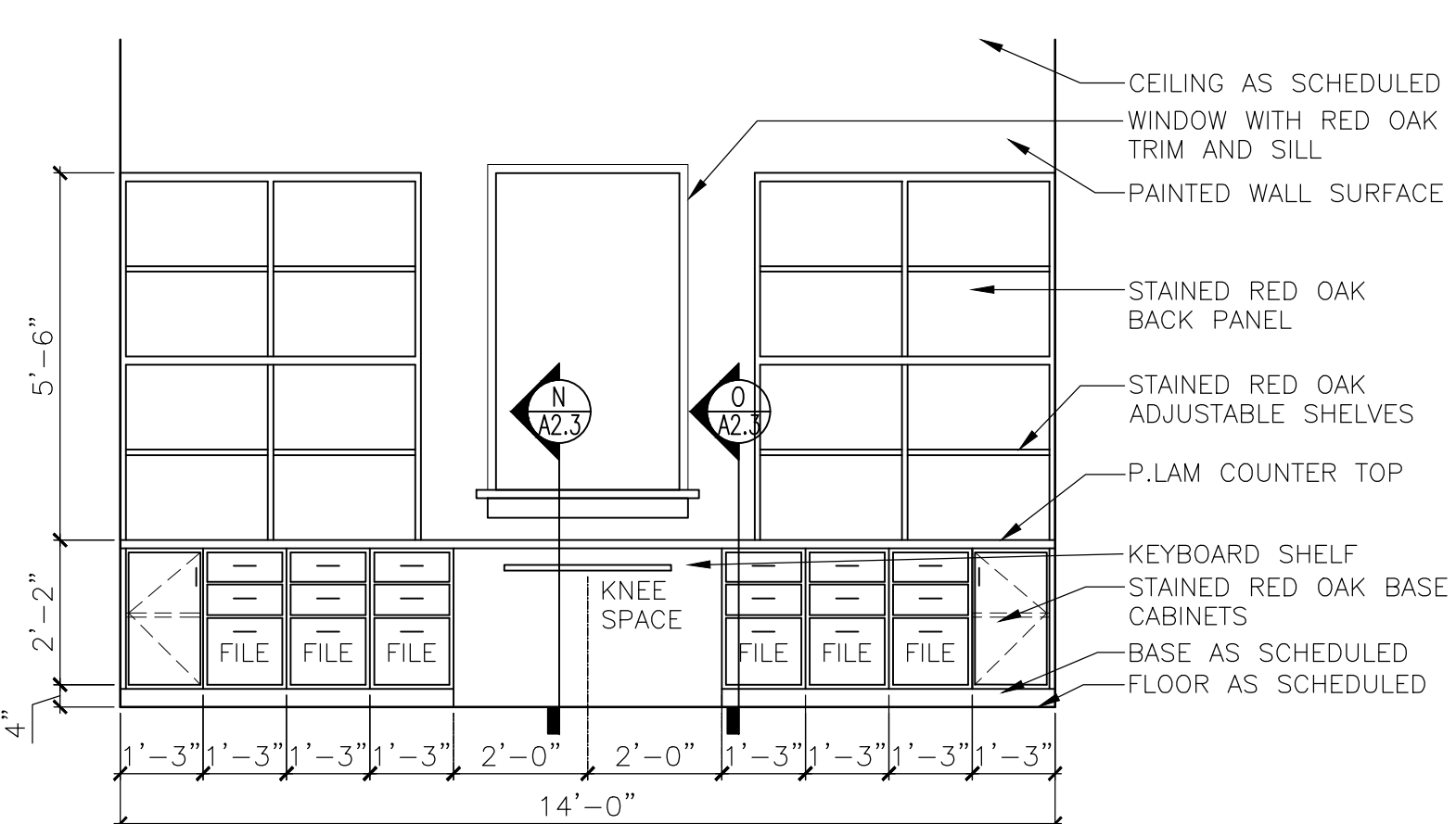
M. TYP CABINET SECTION DETAIL

1"=1'-0"



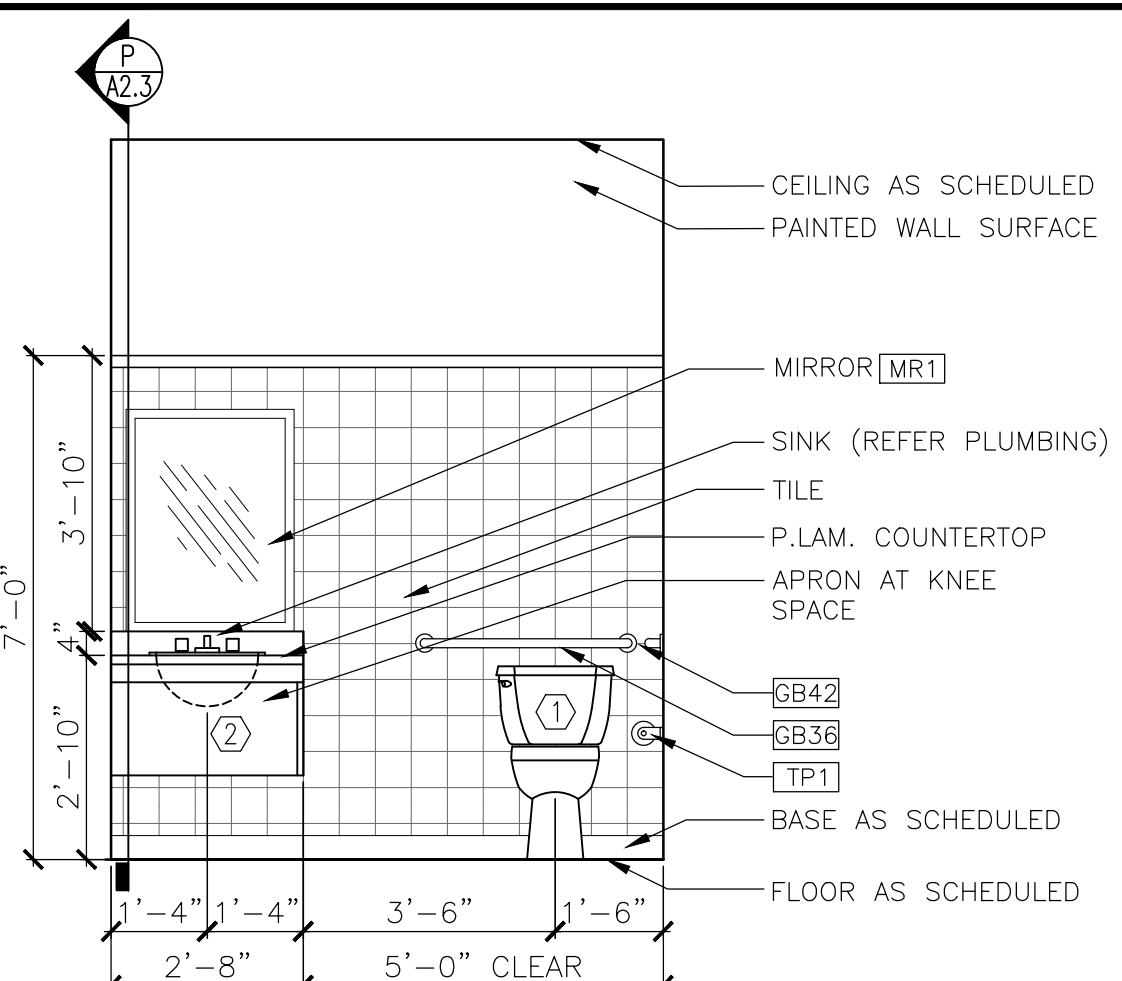
K. INTERIOR ELEV. - BREAK ROOM (119)

3/8"=1'-0"



J. INTERIOR ELEV. - SUPERINTENDENT OFFICE (107)

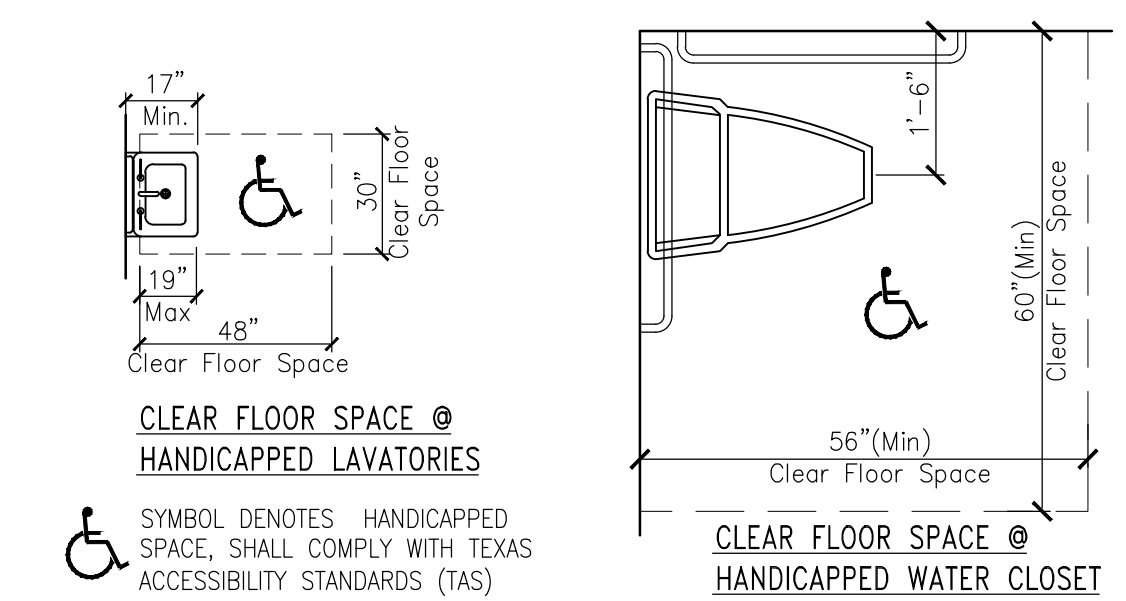
3/8"=1'-0"



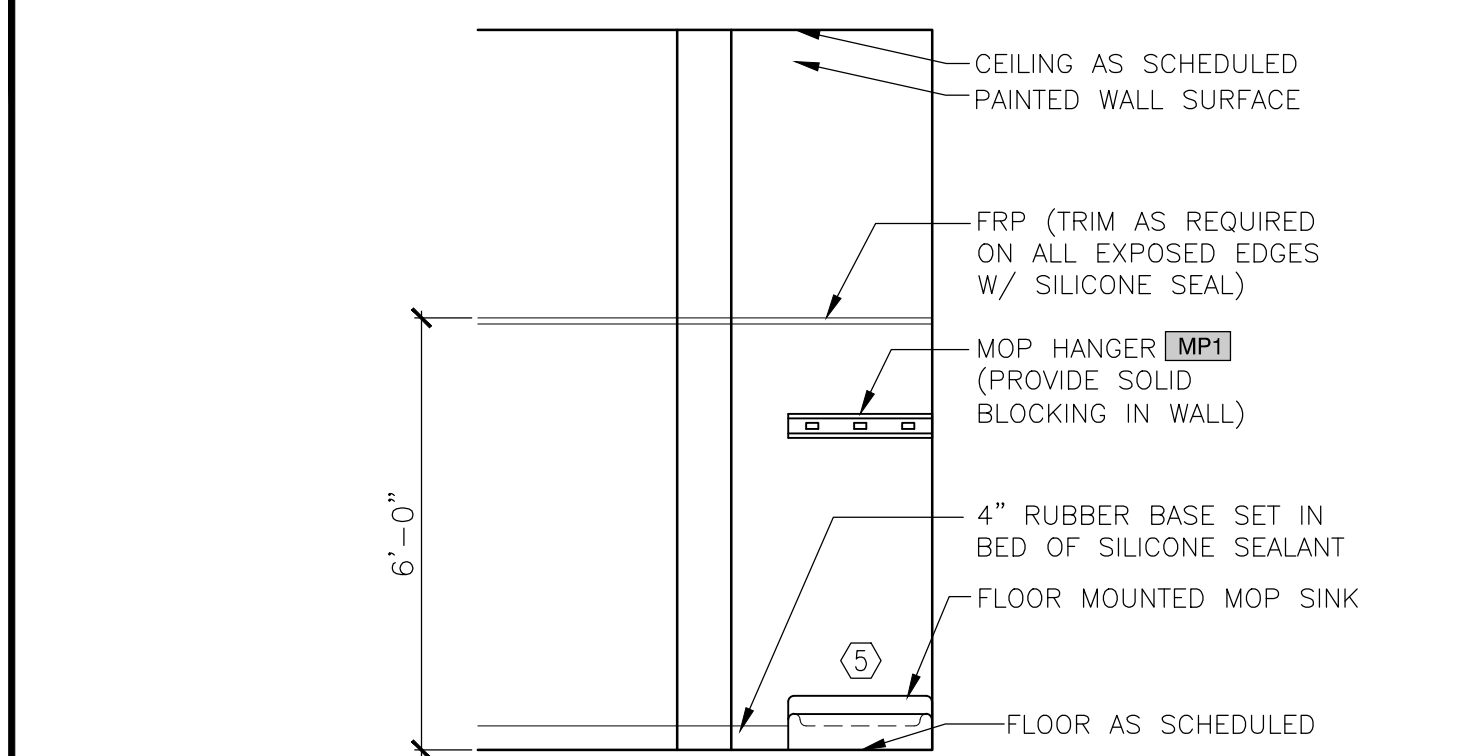
I. INT. ELEV. - RESTROOM (117,116 O.H)

3/8"=1'-0"

- TOILET FIXTURES & ALL ACCESSORY LAYOUT DIMENSIONS ARE FROM FINISH WALL. *DENOTES CRITICAL FINISHED CLEAR DIMENSIONS, NO TOLERANCES, CONTRACTOR TO ALLOW FOR ALL WALLS FINISHES WHEN FRAMING ROUGH DIMENSIONS.
- CONTRACTOR SHALL INSTALL CONTINUOUS WALL BLOCKING AS REQUIRED @ ALL TOILET ROOM GRAB BARS.
- USE MOISTURE RESISTANT GYPSUM BOARD, TYP. ALL TOILET ROOM WALLS
- REFER TO PLUMBING DRAWINGS FOR LOCATION OF FLOOR DRAINS.
- ALL TOILET ROOM WALLS TO BE FULL HEIGHT AND SHALL HAVE 3" SOUND BATTS BETWEEN EACH STUD

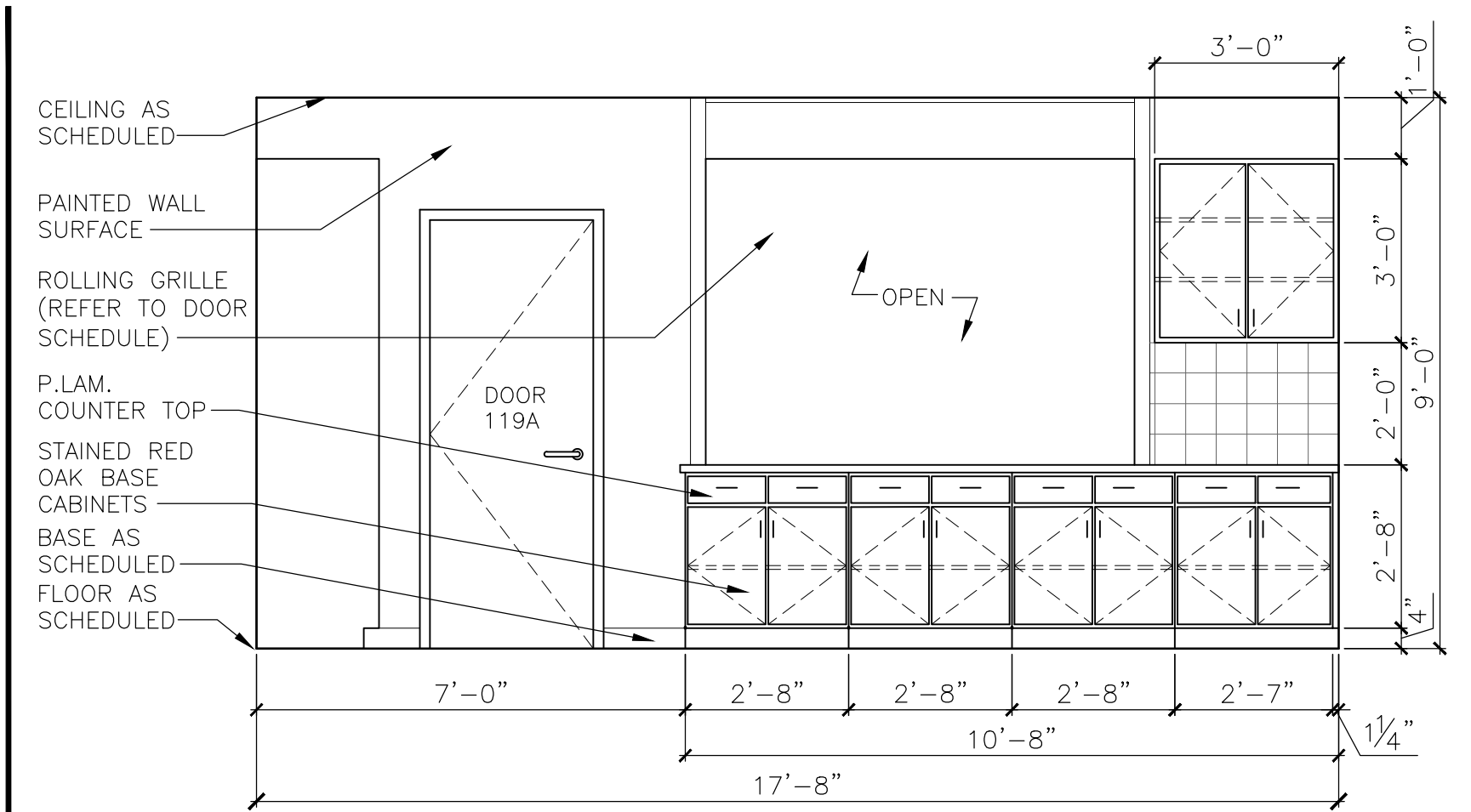


G. TOILET ROOM GENERAL NOTES



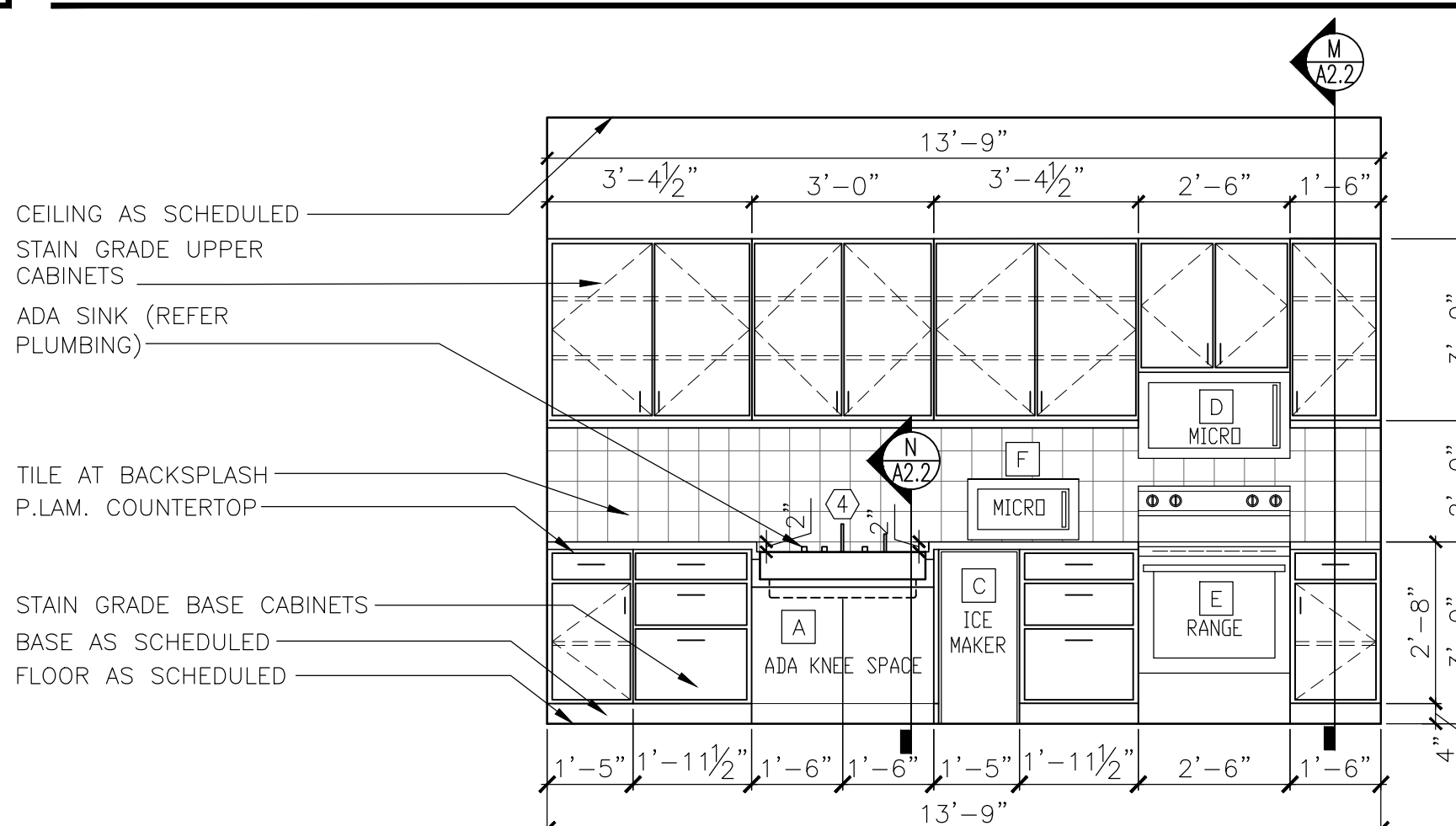
C. INT ELEV. - UTILITIES (103)

3/8"=1'-0"



F. INTERIOR ELEV. - BREAK ROOM (119)

3/8"=1'-0"



E. INTERIOR ELEV. - BREAK ROOM (119)

3/8"=1'-0"

ITEM NO.	ITEM DESCRIPTION	EQUIPMENT / MODEL
TP1	TOILET TISSUE DISPENSER	BOBRICK MODEL B-4288 (OR EQUAL) SURFACE MOUNTED
SB36	36" GRAB BAR (REAR WALLS)	BOBRICK MODEL B-5806.99 (OR EQUAL) MOUNTED AT 36" A.F.F. TO CENTER ONE PER H.C. WATER CLOSET (SUPPORT 250lbs LOAD)
SB42	42" GRAB BAR (SIDE WALLS)	BOBRICK MODEL B-5806.99 (OR EQUAL) MOUNTED AT 36" A.F.F. TO CENTER ONE PER H.C. WATER CLOSET (SUPPORT 250lbs LOAD)
PT1	PAPER TOWEL DISPENSER	BOBRICK MODEL B-43944 (OR EQUAL) RECESSED MOUNTED
MR1	MIRROR	PROVIDE FRAME (SELECTED BY OWNER) CENTER OVER LAVATORY (REFER T&S SHEETS FOR MOUNTING HEIGHTS)
MP1	MOP/BROOM HOLDER	BOBRICK MODEL B-223x36 (OR EQUAL) SURFACE MOUNTED

NOTE: CONTRACTOR MAY SUBSTITUTE WITH EQUAL (OR BETTER). TOILET ACCESSORIES TO BE PROVIDED AND INSTALLED BY OWNER.

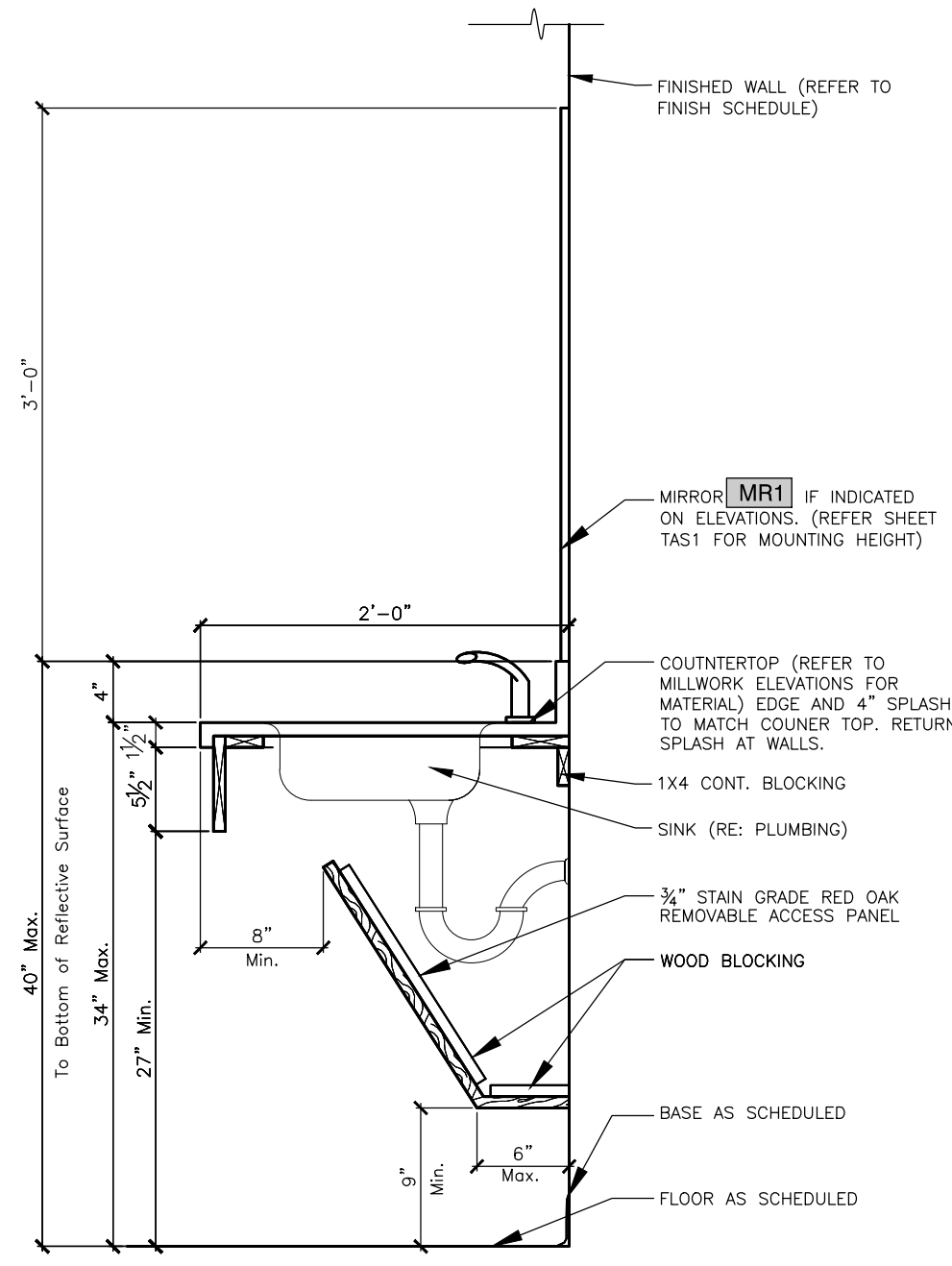
B. TOILET ACCESSORY SCHEDULE

- ADA COMPLIANT WATER CLOSET
- ADA COMPLIANT COUNTER MOUNT LAVATORY WITH H/C ACCESSIBLE LEVER OPERATED FAUCETS
- ADA COMPLIANT DUAL HEIGHT DRINKING FOUNTAINS
- ADA COMPLIANT FARM SINK WITH H/C ACCESSIBLE LEVER OPERATED FAUCETS
- FLOOR MOUNTED MOP SINK

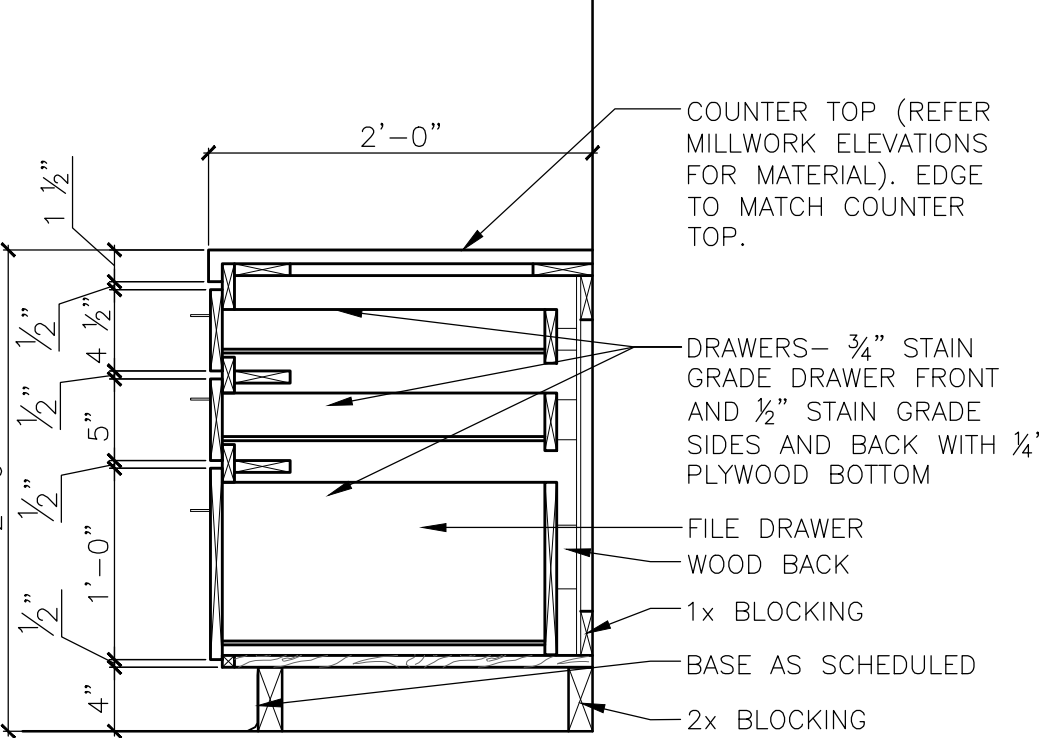
A. PLUMBING FIXTURES

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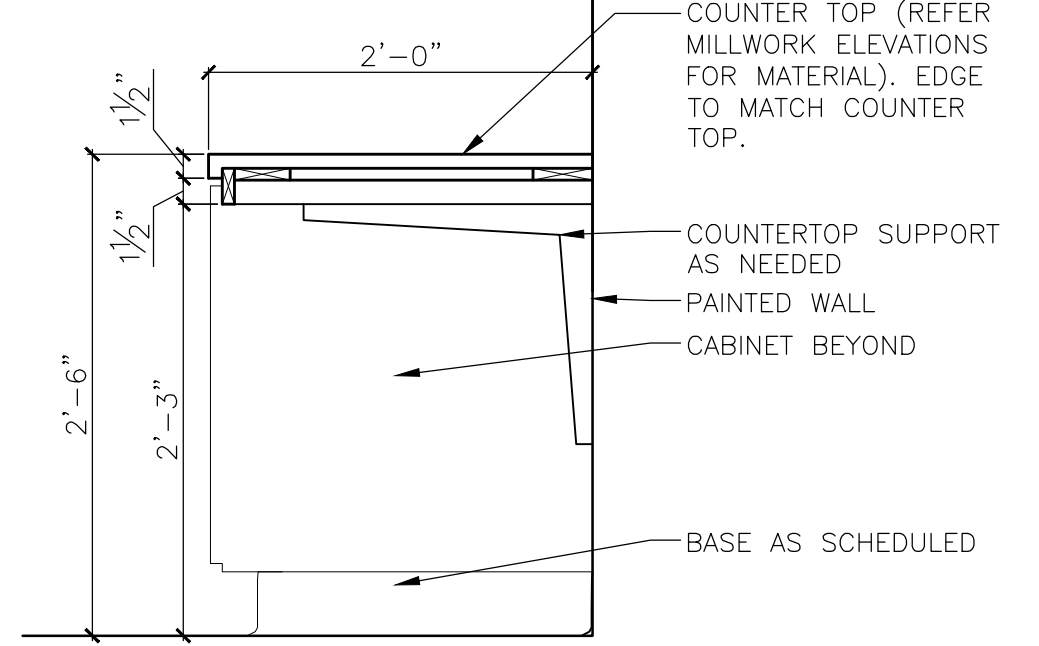
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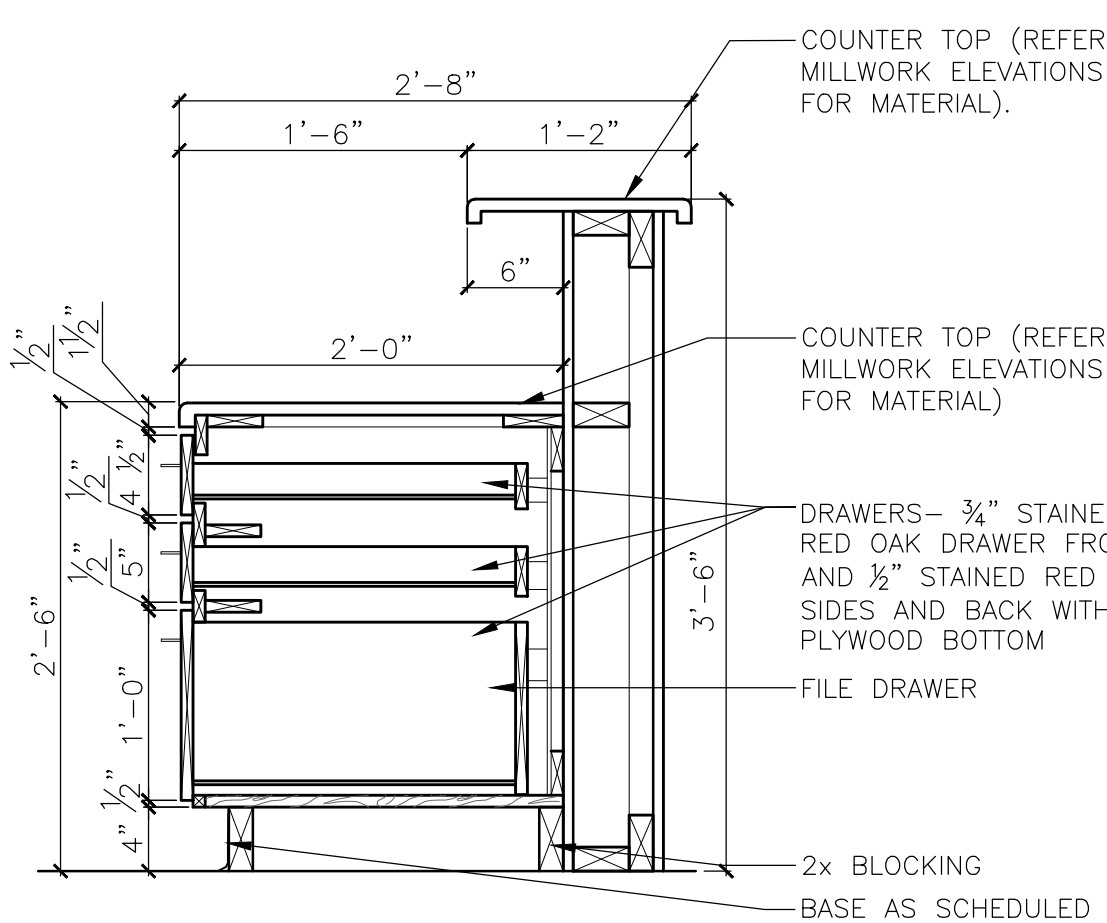
P. LAVATORY SECTION DETAIL 1"=1'-0"



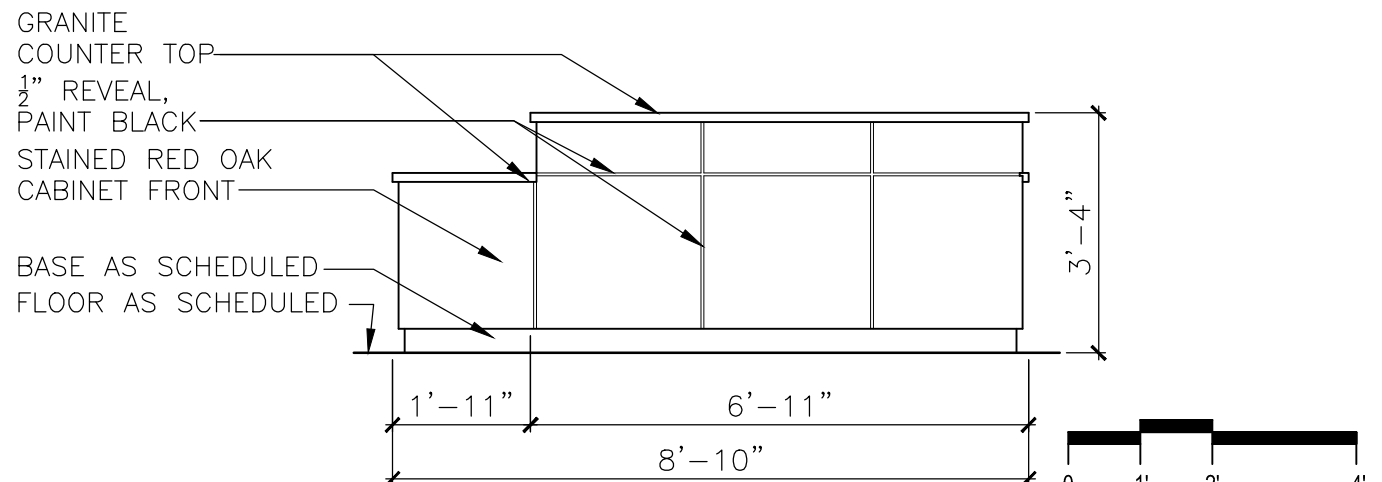
O. CABINET SECTION DETAIL 1"=1'-0"



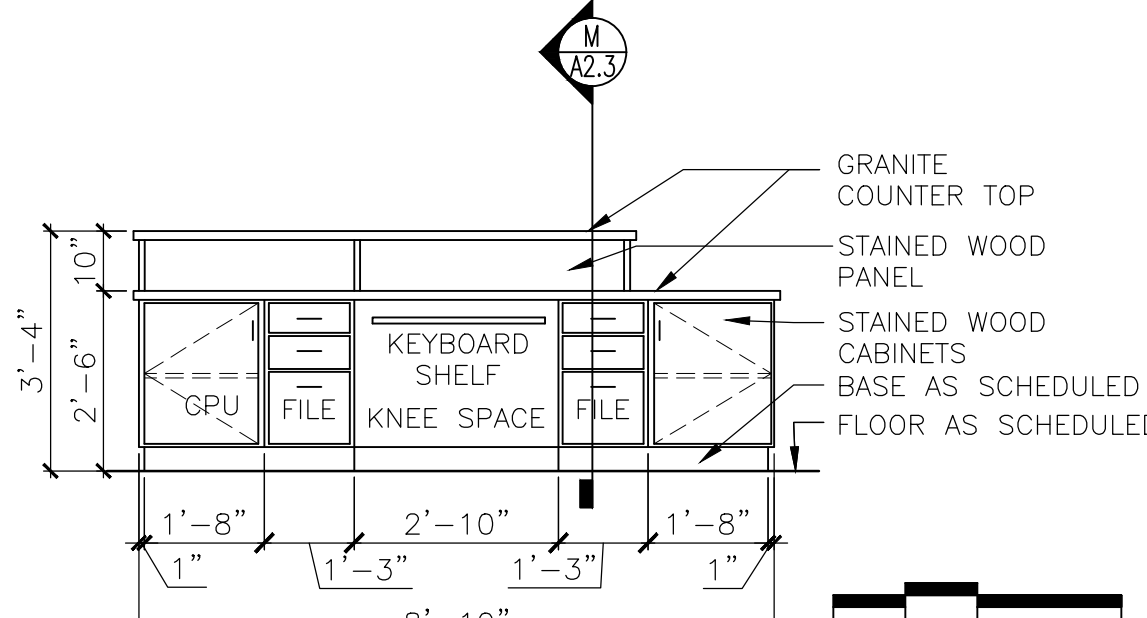
N. CABINET SECTION DETAIL 1"=1'-0"



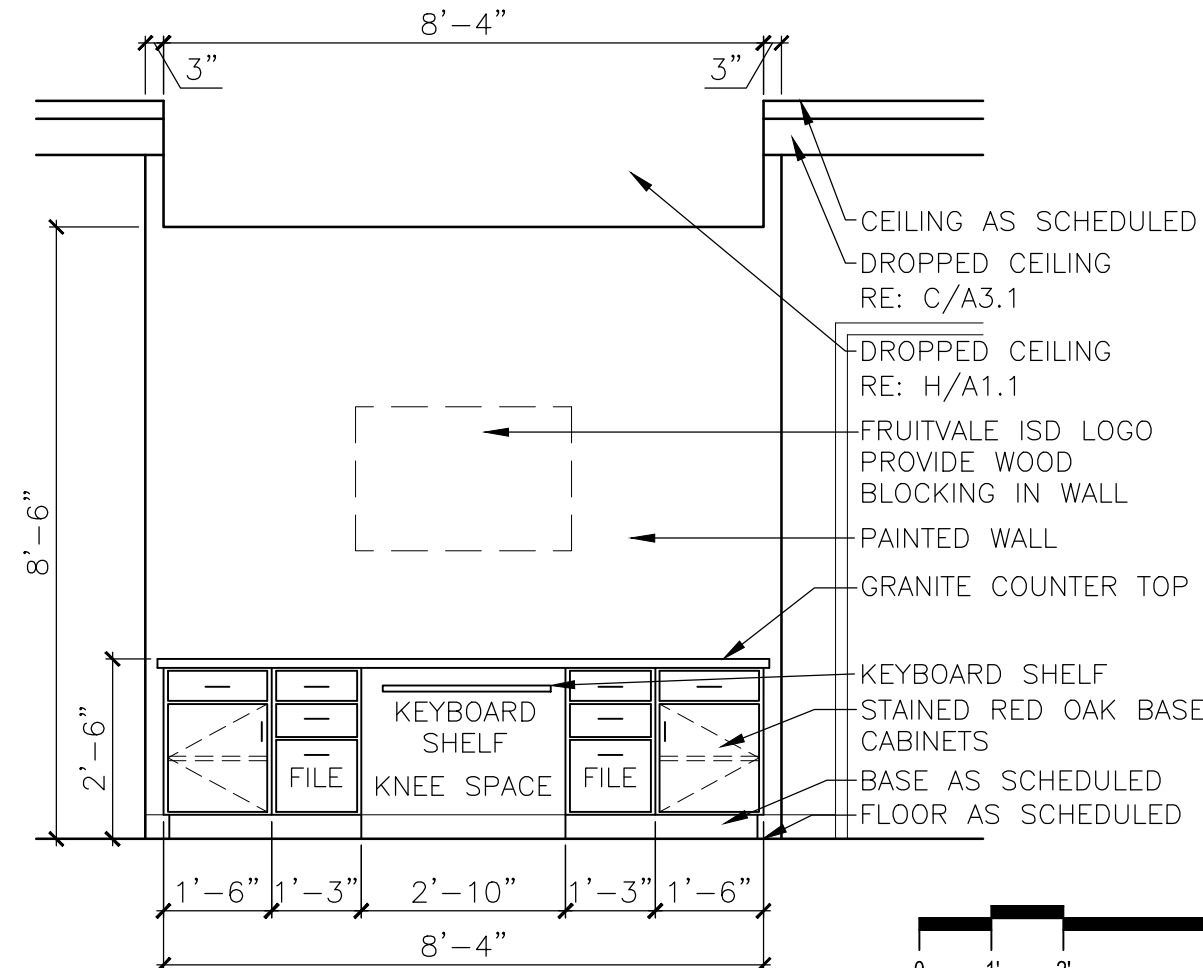
M. CABINET SECTION DETAIL 1"=1'-0"



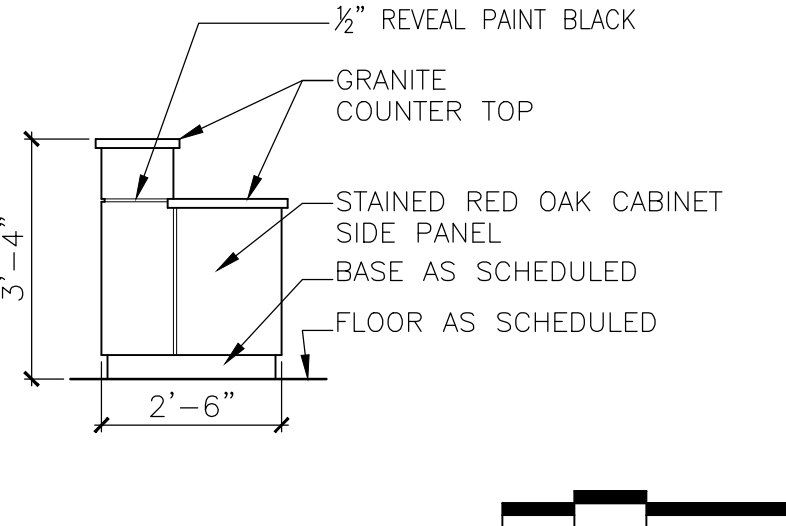
J. INT. ELEV. - RECEP. WAITING (101) 3/8"=1'-0"



I. INT. ELEV. - RECEP. WAITING (101) 3/8"=1'-0"



F. INTERIOR ELEV. - RECEPTION/ WAITING (101) 3/8"=1'-0"



E. INT. ELEV. - RECP. WAIT (101) 3/8"=1'-0"

K. NOT USED SCALE

K. NOT USED SCALE

G. NOT USED SCALE

G. NOT USED SCALE

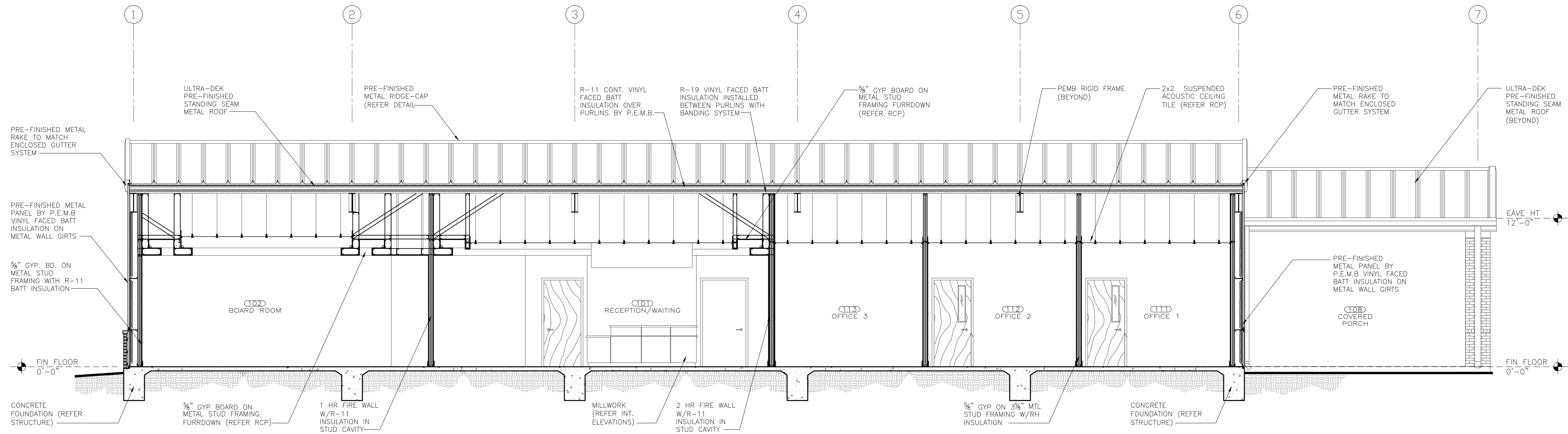
D. NOT USED SCALE

C. NOT USED SCALE

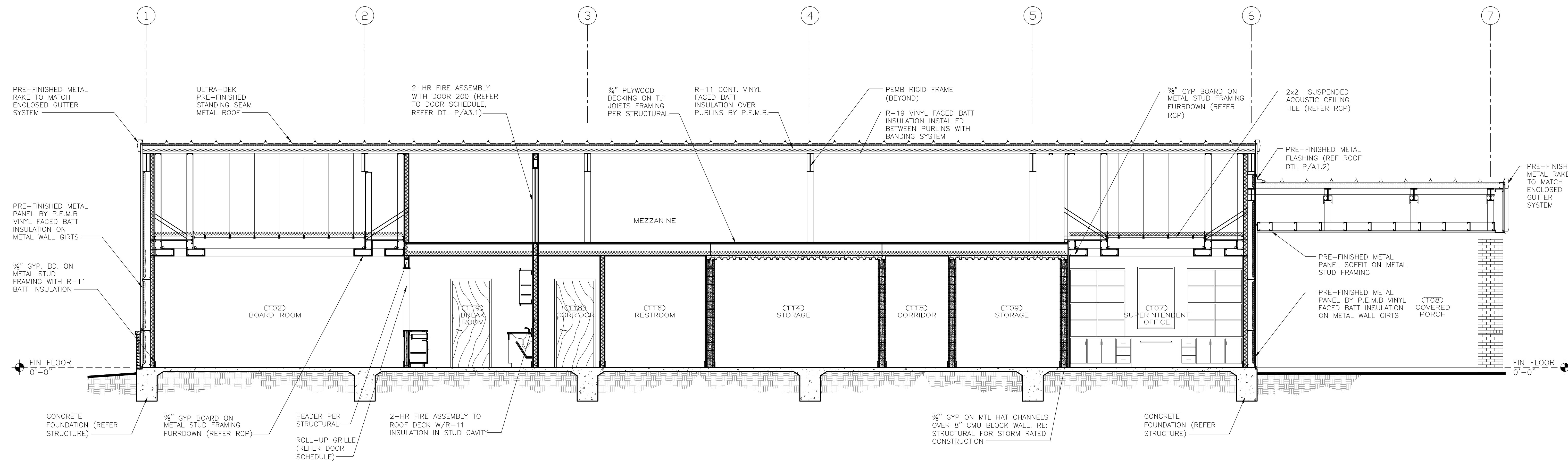
B. NOT USED SCALE

A. NOT USED SCALE

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C. BUILDING SECTION 1/4"=1'-0"

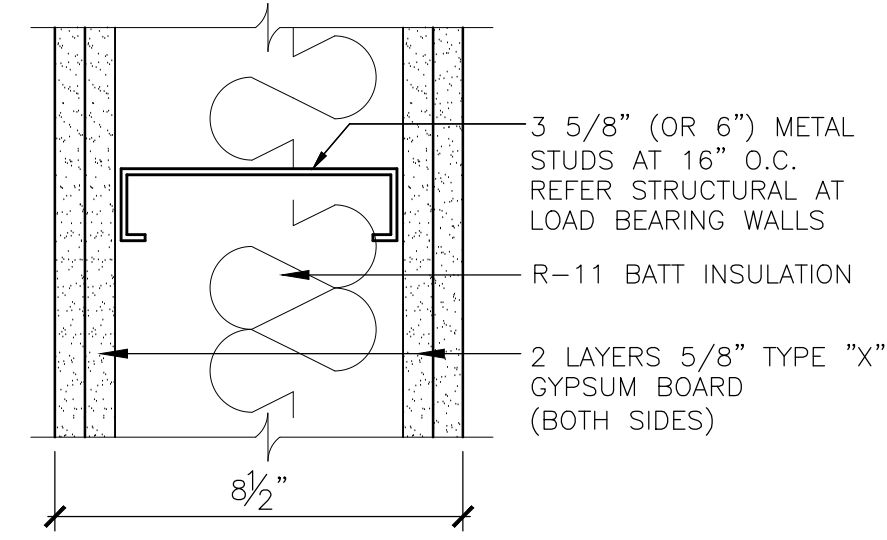


A. BUILDING SECTION 1/4"=1'-0"

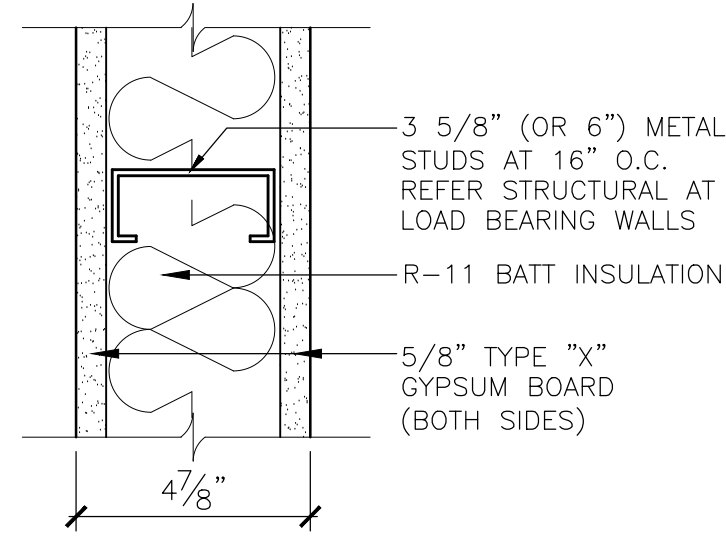
Issue/Revision	Date	Description
FR-08/21/21		
FB-07/02/21		(FOR PEMB PACKAGE)
FB-08/21/21		

Job Number:
050-21003

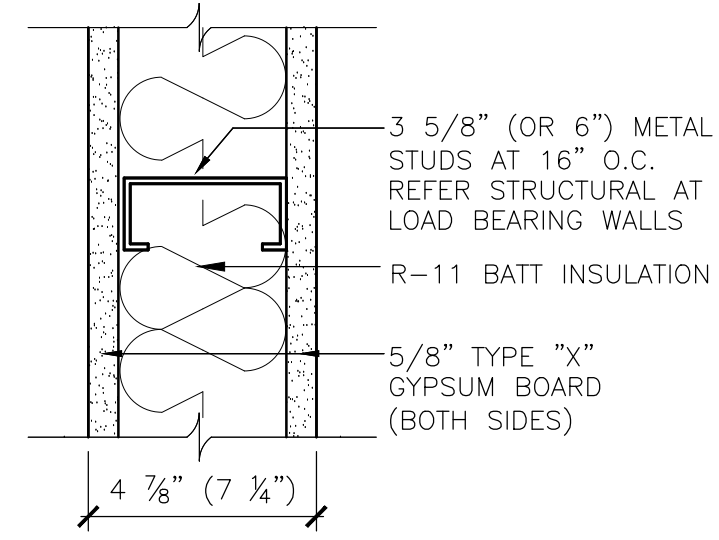
Sheet Number:
A3.0



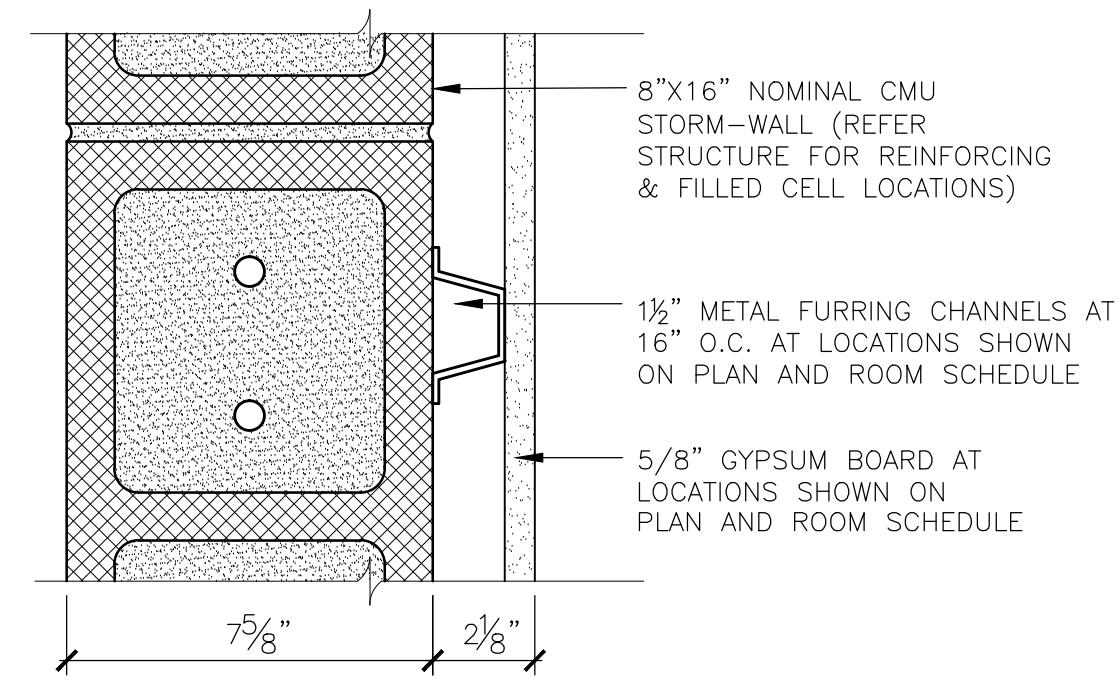
P. INTERIOR RATED FIRE WALL (2 HR) 3'-1-0"



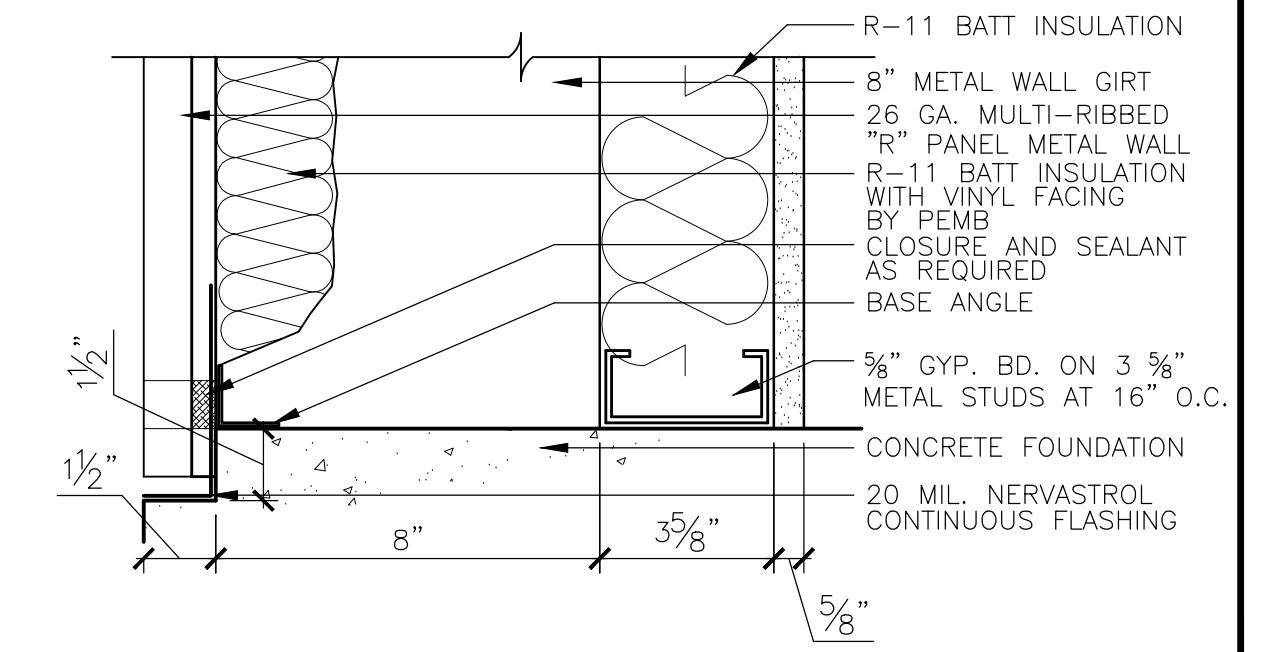
O. INTERIOR RATED FIRE WALL (1 HR) 3'-1-0"



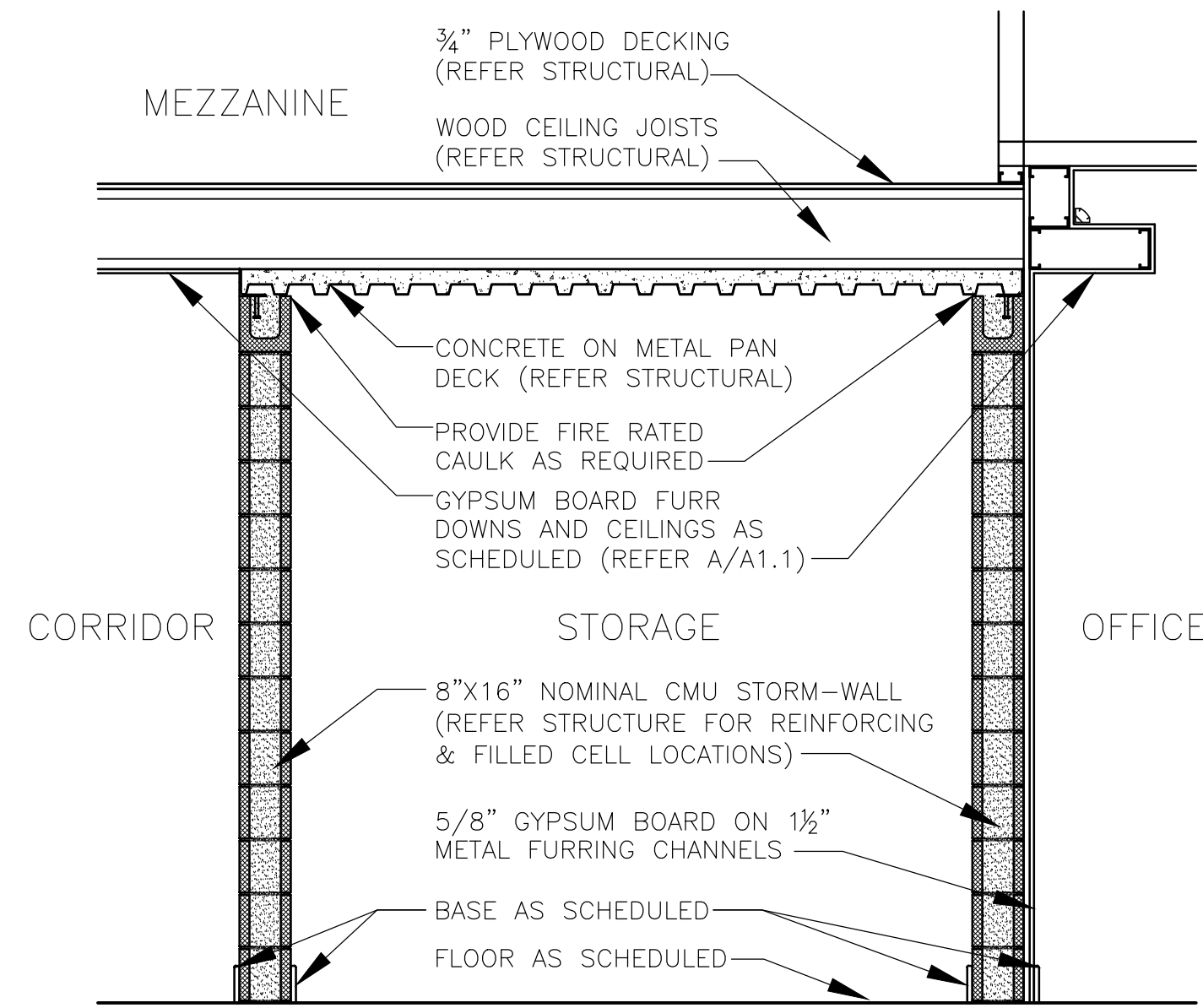
L. INTERIOR NON-RATED WALL (TYP) 3'-1-0"



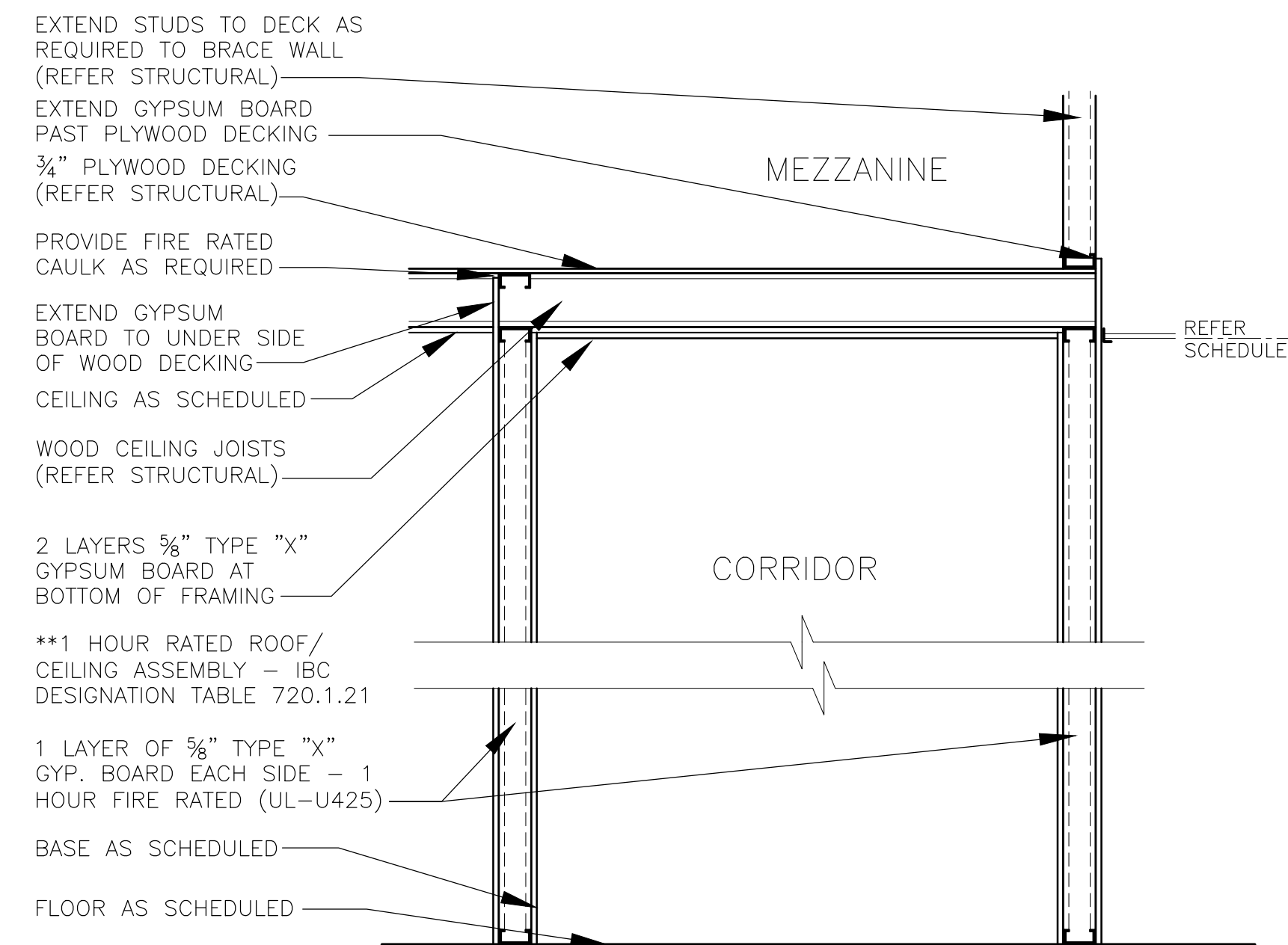
H. 8" CMU STORM/FIRE RATED WALL (1 HR) 3'-1-0"



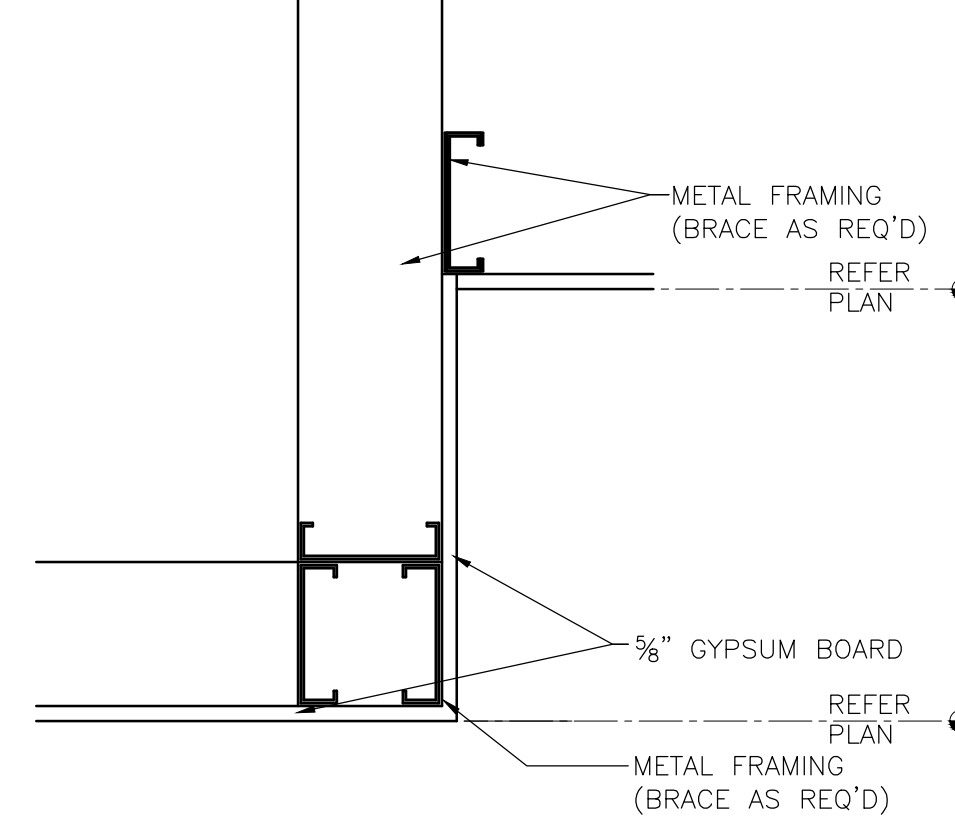
D. METAL PANEL EXTERIOR WALL (TYP) 3'-1-0"



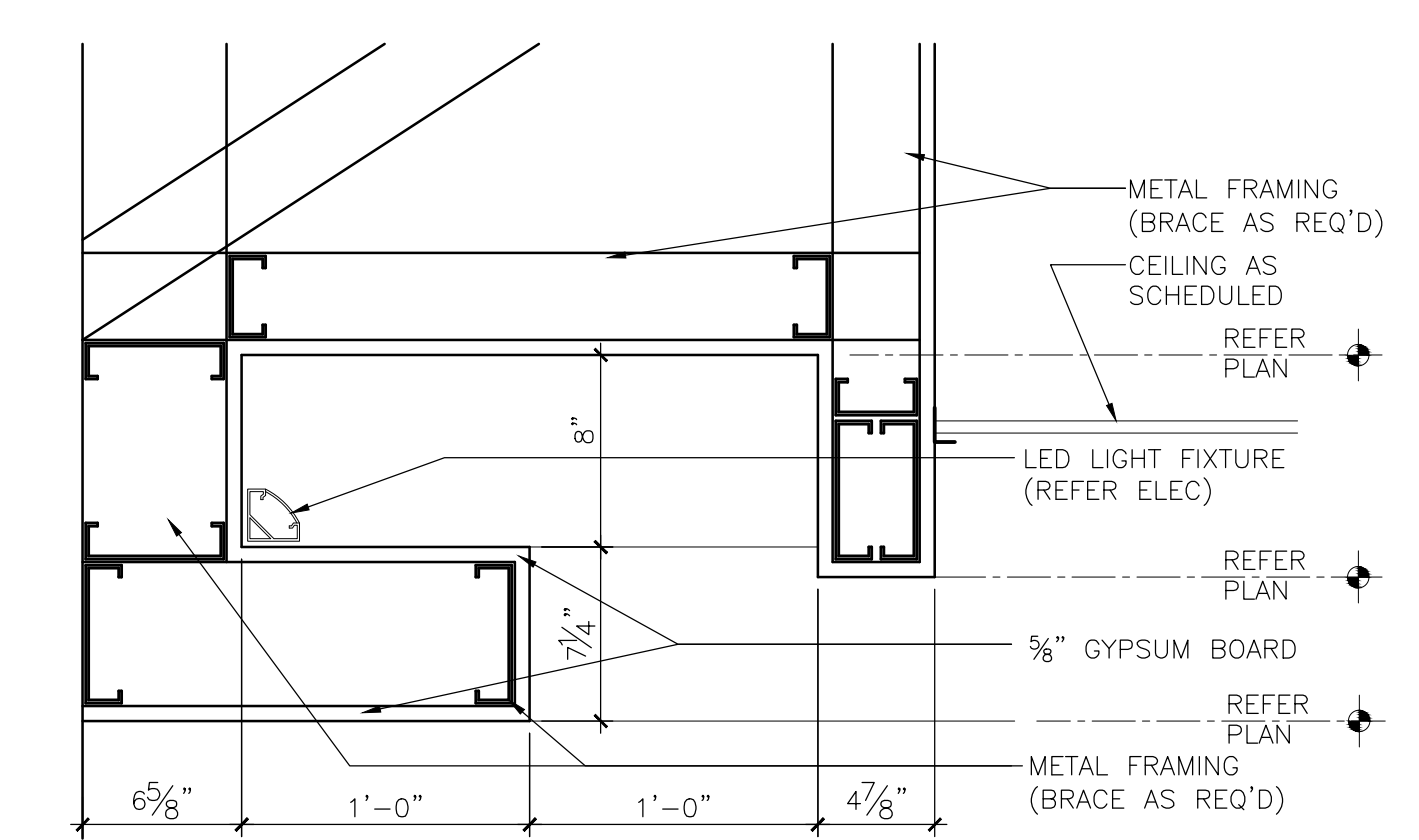
N. FIRE/STORM RATED STORAGE SECTION 1/2'-1-0"



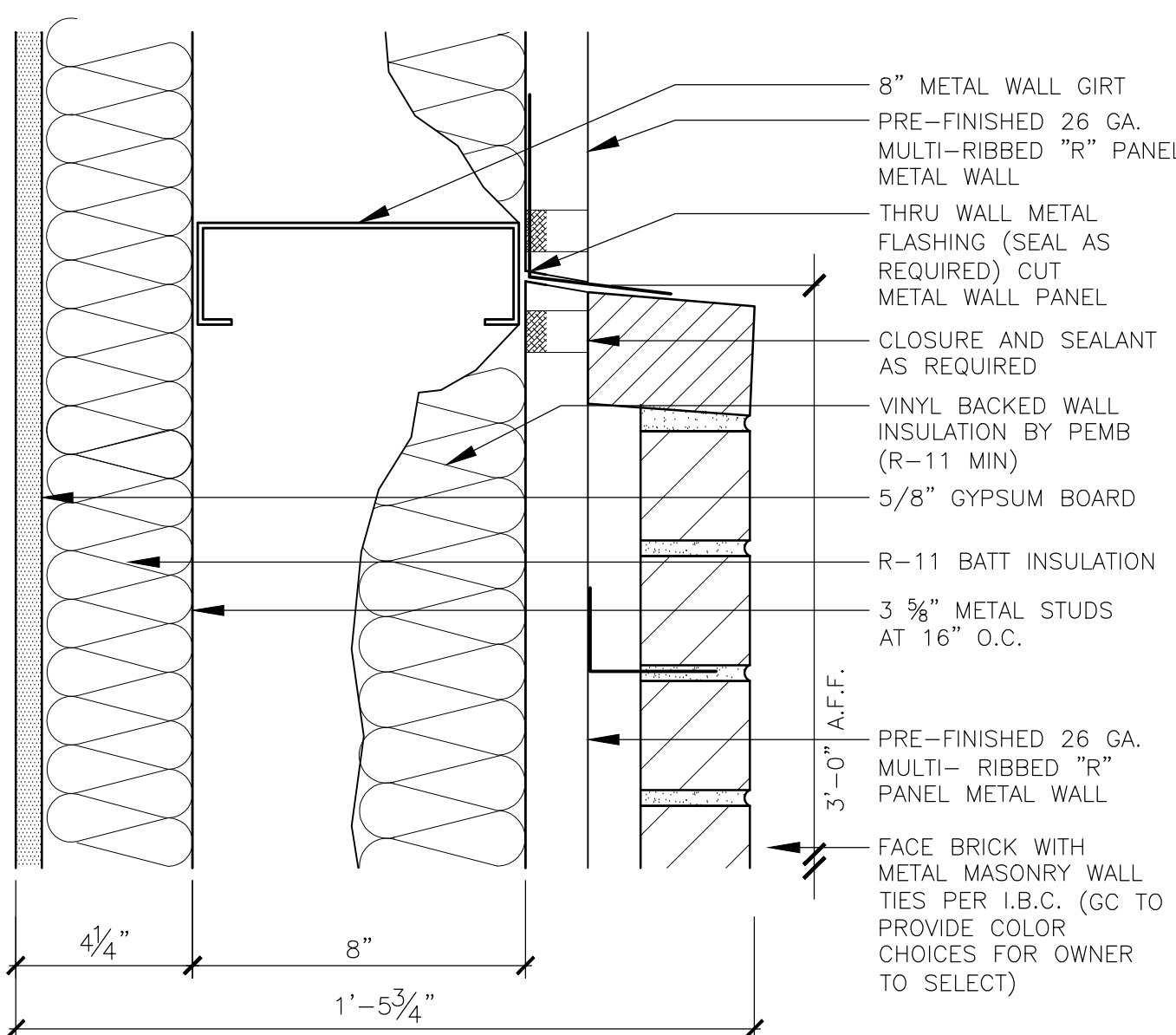
K. 1 HOUR FIRE RATED CORRIDOR 3/4'-1-0"



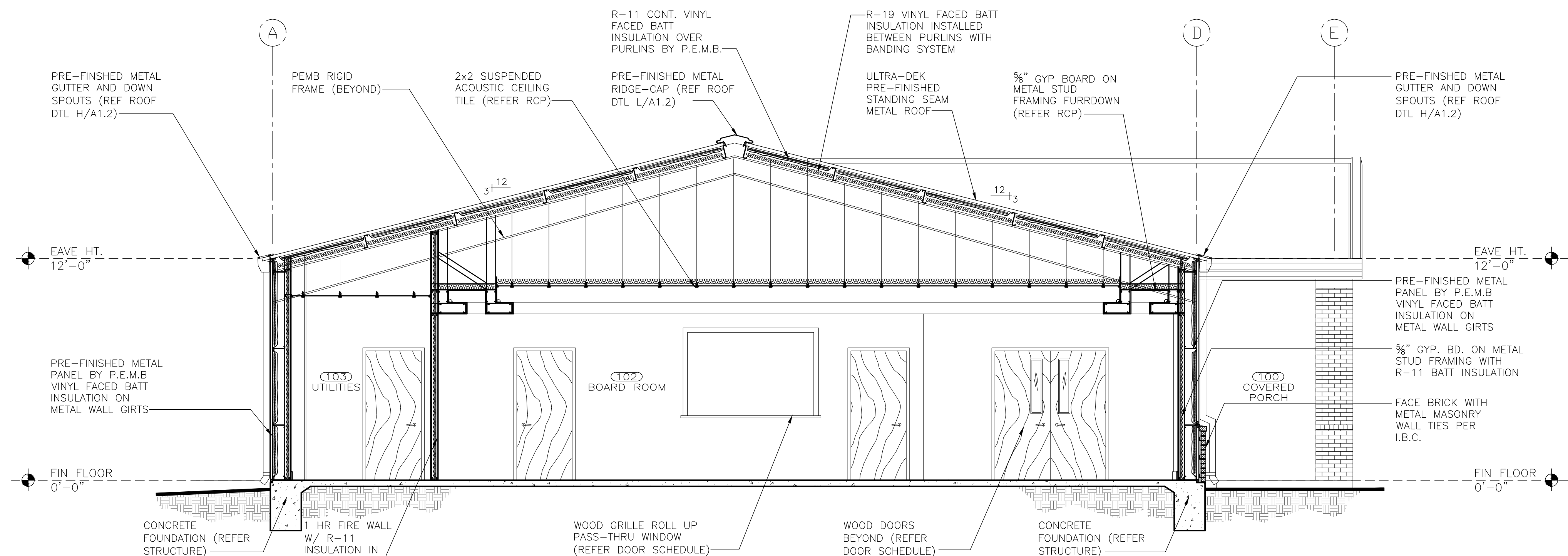
G. FURRDOWN AT RECEPTION DESK 1 1/2'-1-0"



C. FURRDOWN AT RECEPTION CEILING 1 1/2'-1-0"



M. TYPICAL MASONRY WAINGSCOT DETAIL 3'-1-0"



A. BUILDING SECTION 1/4'-1-0"

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P. NOT USED SCALE

L. NOT USED SCALE

H. NOT USED SCALE

D. NOT USED SCALE

O. NOT USED SCALE

K. NOT USED SCALE

G. NOT USED SCALE

C. NOT USED SCALE

ROOM FINISH SCHEDULE										
MARK	ROOM	FLR.	BASE	WALL FINISH				CLG.	HGT.	REMARKS
				N	E	S	W			
100	COVERED PORCH	F4	---	---	---	---	---	C3	11'-0"	
101	RECEPTION/WAITING	F2	B1	W1	W1	W1	W1	C1/C2	VARIES	CEILING (REF. RCP)
102	BOARD ROOM	F1	B1	W1	W1	W1	W1	C1/C2	VARIES	CEILING (REF. RCP)
103	UTILITIES	F4	B3	W1/W2	W2	W1	W1	C2	10'-0"	
104	OFFICE 4	F1	B3	W1	W1	W1	W1	C2	10'-0"	
105	OFFICE 5	F1	B3	W1	W1	W1	W1	C2	10'-0"	
106	OFFICE 6	F1	B3	W1	W1	W1	W1	C2	10'-0"	
107	SUPERINTENDENT OFFICE	F1	B1	W1	W1	W1	W1	C1/C2	VARIES	CEILING (REF. RCP)
108	COVERED PORCH	F4	---	---	---	---	---	C3	11'-0"	
109	STORAGE (STORM)	F1	B3	W4	W4	W4	W4	C4	---	VERIFY CEILING HEIGHT WITH STRUCTURAL
110	CORRIDOR	F2	B3	W1/W4	W1	W1	W1	C1	9'-0"	
111	OFFICE 1	F1	B3	W1	W1	W1	W1	C2	10'-0"	
112	OFFICE 2	F1	B3	W1	W1	W1	W1	C2	10'-0"	
113	OFFICE 3	F1	B3	W1	W1	W1	W1	C2	10'-0"	
114	STORAGE (STORM)	F1	B3	W4	W4	W4	W4	C4	---	VERIFY CEILING HEIGHT WITH STRUCTURAL
115	CORRIDOR	F2	B3	W1	W4	W1	W4	C1	9'-0"	
116	RESTROOM	F2	B2	W1	W1	W1/W3	W1	C1	9'-0"	TILE WAINSCOT TO 7'-0" AFF
117	RESTROOM	F2	B2	W1/W3	W1	W1	W1	C1	9'-0"	TILE WAINSCOT TO 7'-0" AFF
118	CORRIDOR	F2	B3	W1	W1	W1	W1	C1	9'-0"	
119	BREAK ROOM	F2	B3	W1	W1	W1	W1	C1	9'-0"	TILE BACKSPASH
120	CORRIDOR	F2	B3	W1	W1	W1	W1	C1	9'-0"	
121	COPY ALCOVE	F2	B3	---	W4	W1	W1	C1	8'-6"	
122	EWC ALCOVE	F2	B1	W1	---	W1	W1	C1	8'-6"	
123	CORRIDOR	F2	B3	W1	W1	W1	W1	C1	9'-0"	
FLOOR		F1 CARPET TILES (BY SHAW OR EQUAL) SOLUTION DYED, MULTI-LEVEL PATTERN LOOP (26 OZ MIN) ECOWORX TILE BACKING		F3 VINYL SHEET FLOORING WOOD GRAIN TEXTURE		CEILINGS				
		F2 CERAMIC TILE 12X24"		F4 FINISHED SEALED CONCRETE		C1 5/8" GYP. BD. PAINTED AND TEXTURED				
BASE		B1 STAIN GRADE WOOD BASE, 1X6		B3 4" RUBBER BASE, ARMSTRONG COVERED TOE		C2 2'X2' LAY-IN ACOUSTIC TILE, REGULAR				
		B2 CERAMIC TILE COVE BASE				C3 SOFFIT PANEL				
						C4 EXPOSED METAL PAN DECKING				
WALLS				W1 5/8" GYP. BD. PAINTED AND TEXTURED		W2 FIBER REINFORCED PANELS (FRP)				
				W3 CERAMIC TILE (7'-0" AFF)		W4 CMU BLOCK (PAINTED)				
FINISH SCHEDULE NOTES:										
1. FLOOR FINISH COATING SHALL BE SLIP RESISTANT TO MEET TEXAS ACCESSIBILITY STANDARDS SECTION 4.5.1										
2. ALL FLOOR FINISHES SHALL BE IN COMPLIANCE WITH TEXAS ACCESSIBILITY STANDARDS SECTION 302 & 303										
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN SUSPENDED ACOUSTICAL CEILING TILE GRID LAYOUT										
						KEY PLAN N W ← ● → E S				

I. ROOM FINISH SCHEDULE

F. NOT USED SCALE

B. GENERAL WINDOW NOTES

1. PROVIDE TEMPERED GLASS IN ALL LOCATIONS REQUIRED BY CODE.
2. PROVIDE STEEL ANGLE LINTELS AS REQUIRED.
3. PROVIDE 60 MIL EPDM FLASHING AT ALL WINDOW HEADS AND SILLS BEHIND SHEATHING AND OVER LINTEL.
4. CAULK EXTERIOR AND INTERIOR SIDES OF ALL WINDOW FRAMES AND CASING. DO NOT CAULK AT EXTERIOR SILL OF WINDOWS TO ALLOW MOISTURE TO DRAIN.
5. PROVIDE 3M SAFETY & SECURITY WINDOW FILM, SOLAR SAFETY SERIES ON ALL GLAZING.

TYPE G4 (INTERIOR)
20min FIRE RATED

TYPE G3 (EXTERIOR)

TYPE G2 (EXTERIOR)

TYPE G1 (EXTERIOR)

EXTERIOR WINDOWS:

FRAME: MANUFACTURER: KAWNEER TRIFAB SERIES V0451
2" x 4 1/2" FRAME - CLEAR ANODIZED ALUMINUM
FRONT GLASS APPLICATION

GLAZING: MANUFACTURER: AGC GLASS
EXTERIOR LITE: 1/4" ENERGY SELECT 23-TINTED
AIRSPACE: 1/2"-Argon FILLED
INTERIOR LITE: 1/4" CLEAR
U-VALUES: WINTER-AIR/ARGON 0.29 SUMMER-AIR/ARGON 0.24
OTHER VALUES: SOLAR HEAT GAIN COEFFICIENT (SHG) .23 SHADING COEFFICIENT .41
RELATIVE HEAT GAIN -BTU/HR/SQ.FT. 86
LIGHT TO SOLAR HEAT GAIN RATIO: 1.81
PROVIDE 3M SAFETY & SECURITY WINDOW FILM, SOLAR SAFETY SERIES ON ALL GLAZING.

NOTE: VERIFY SHG & U-VALUES MEET LOCAL ENERGY CODE REQUIREMENTS

T - DENOTES TEMPERED GLASS
SP - DENOTES SPANDREL GLASS

INTERIOR WINDOWS:

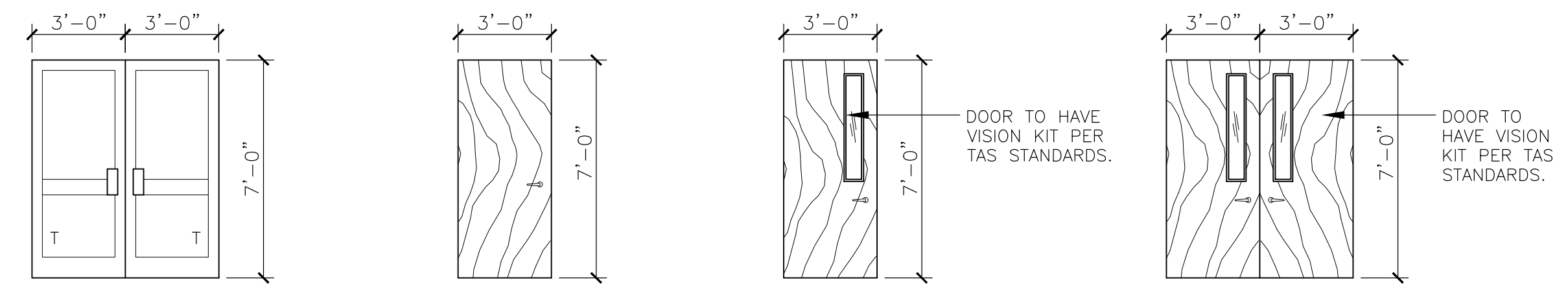
FRAME: MANUFACTURER: KAWNEER TRIFAB SERIES V0451T
2" x 4 1/2" FRAME - ANODIZED ALUMINUM
CENTER GLASS APPLICATION

GLAZING: MANUFACTURER: TPG FIRE RATED
INTERIOR LITE: 1/4" FIRELITE STANDARD GRADE (OR SIMILAR) 20 MIN RATED CLEAR (NO WIRE)

PROVIDE 3M SAFETY & SECURITY WINDOW FILM, SOLAR SAFETY SERIES ON ALL GLAZING.

T - DENOTES TEMPERED GLASS
SP - DENOTES SPANDREL GLASS

A. WINDOW SCHEDULE

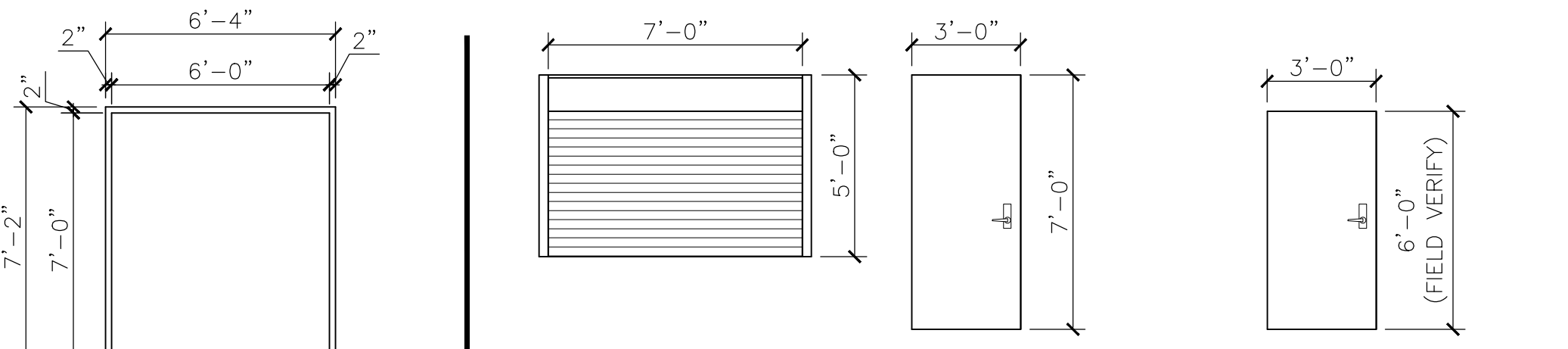


TYPE AL-1 (EXTERIOR)
KAWNEER AA-250 THERMAL ENTRANCES SERIES (U.N.O. ON DETAIL) NARROW STILE ALUM. STOREFRONT FOR MOUNTING HARDWARE WITH CONTINUOUS GEARED HINGE. GLAZING TO BE 1" INSULATED, (U.N.O.) LOW-E, TINTED, TEMPERED AS REQUIRED T - DENOTES TEMPERED GLASS

TYPE WD-1 (INTERIOR)
SOLID CORE / 1/8" PLAIN SLICED RED OAK PRE-FINISHED VENEER OVER PARTICLE BOARD "MPC7" SERIES AS MANUF. BY "MOHAWK DOOR" REFER SCHEDULE FOR FIRE RATING

TYPE WD-2 (INTERIOR)
SOLID CORE / 1/8" PLAIN SLICED RED OAK PRE-FINISHED VENEER OVER PARTICLE BOARD "MPC7" SERIES AS MANUF. BY "MOHAWK DOOR" REFER SCHEDULE FOR FIRE RATING

TYPE WD-3 (INTERIOR)
SOLID CORE / 1/8" PLAIN SLICED RED OAK PRE-FINISHED VENEER OVER PARTICLE BOARD "MPC7" SERIES AS MANUF. BY "MOHAWK DOOR" REFER SCHEDULE FOR FIRE RATING



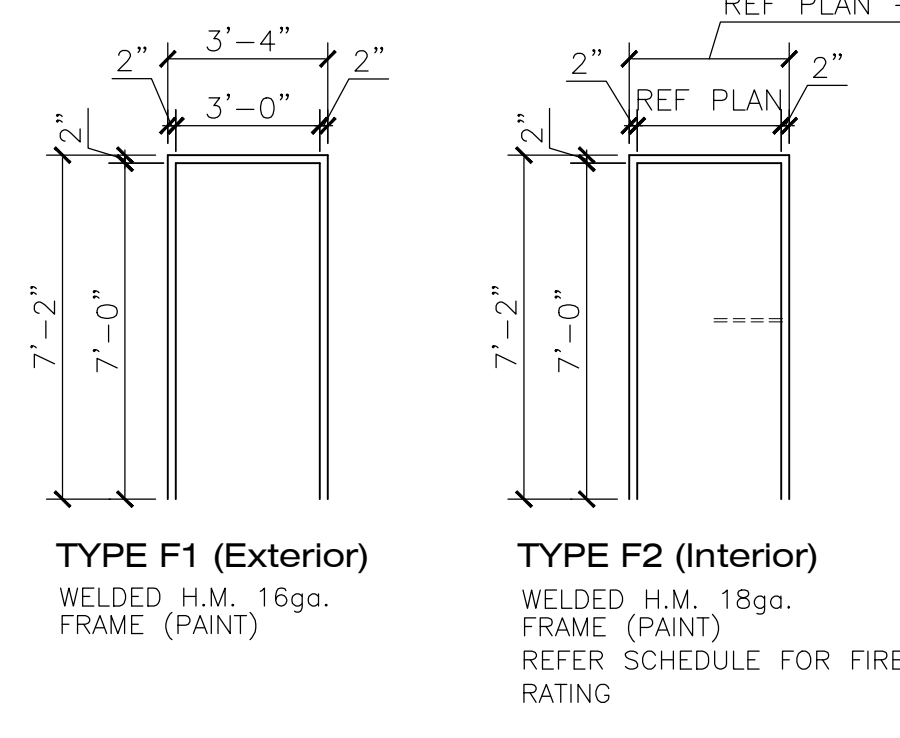
TYPE F3 (Interior)
WELDED H.M. 18ga. FRAME (PAINT) REFER SCHEDULE FOR FIRE RATING

TYPE WD-4 (INTERIOR)
WOOD ROLLING COUNTER DOOR WOODFOLD (OR SIMILAR) STAIN RED OAK HOUSING TO MATCH CABINETS

TYPE HM-1 (EXTERIOR)
STEEL HOLLOW METAL/20 GA. STEEL (PRIMED) WITH POLYURETHANE CORE AS MANUF. BY "FENESTRA CORP." - "AMERICANA" SERIES.

TYPE HM-2 (EXTERIOR)
STEEL HOLLOW METAL/18 GA. STEEL (PRIMED) WITH POLYSTYRENE CORE AS MANUF. BY "TRUDOOR" 90 MINUTE RATED, CUSTOM HT.

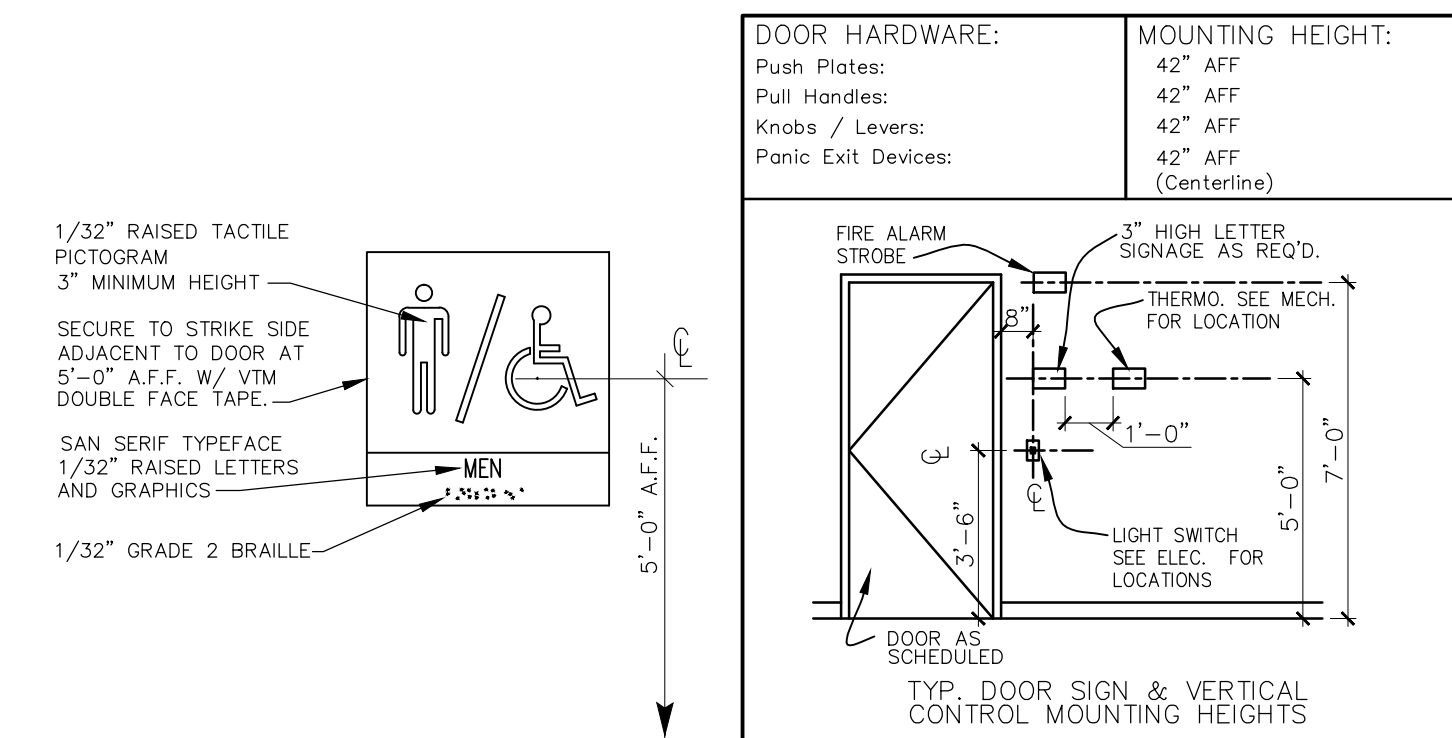
L. DOOR TYPES 1/4"=1'-0"



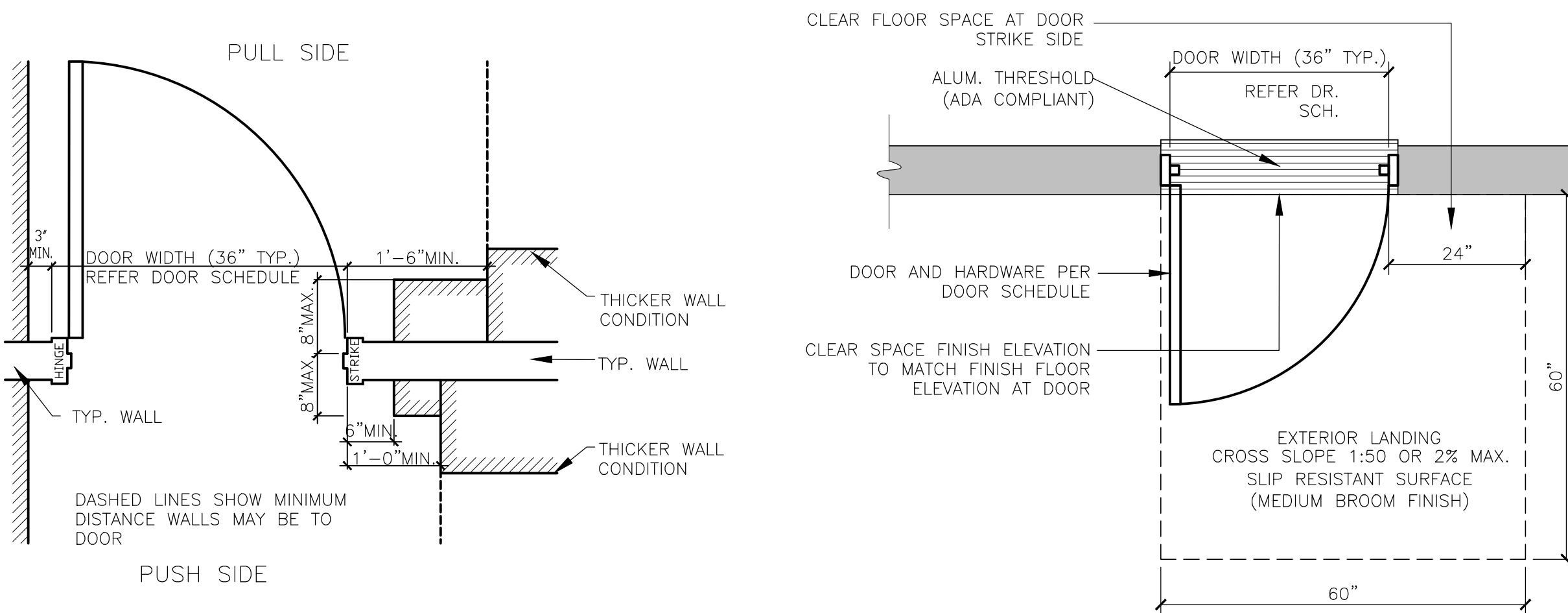
TYPE F1 (Exterior)
WELDED H.M. 18ga. FRAME (PAINT)

TYPE F2 (Interior)
WELDED H.M. 18ga. FRAME (PAINT) REFER SCHEDULE FOR FIRE RATING

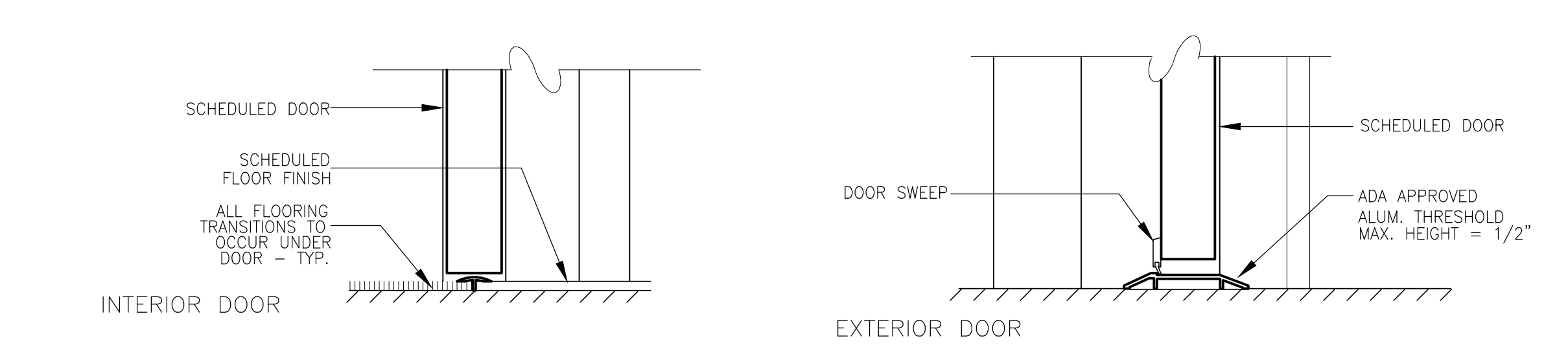
O. FRAME TYPES 1/4"=1'-0"



K. MOUNTING HEIGHTS N.T.S.



J. DOOR CLEARANCES N.T.S.



I. THRESHOLD DETAILS N.T.S.

H. NOT USED SCALE

D. NOT USED SCALE

DOOR SCHEDULE

DOOR NO.	FROM ROOM	TO ROOM	DOOR DATA				FRAME DATA				REMARKS		
			SIZE (w x h x t)	TYPE	MAT'L	FINISH	LABEL	TYPE	THROAT WIDTH	MAT'L		FINISH	
101	101 RECEPTION/WAITING	100 COVERED PORCH (OUT)	(PAIR) 36"x84"x2 1/2"	AL-1	AL/GL	FF	---	---	Wdw Type G2	---	AL	FF	ADA APPROVED THRESHOLD/WEATHER STRIPPING/CLOSER/PUSH AND PULL HANDLES/ ELECTROMAGNETIC LOCK WITH EXTERIOR KEYPAD & PUSH BUTTON RELEASE AT RECEPTION DESK/(PAIR) REMOVABLE CENTER MULLION
102A	102 BOARD ROOM	101 RECEPTION/WAITING	(PAIR) 36"x84"x1 3/4"	WD-3	WD	ST	90 MINS	F3	4 3/4"	MTL	PT	(PAIR) H-1/C-1/L-5 WITH REMOVABLE CENTER MULLION	
102B	102 BOARD ROOM	123 CORRIDOR	36"x84"x1 3/4"	WD-2	WD	ST	90 MINS	F2	4 3/4"	MTL	PT	H-1/C-1/L-5	
103	123 CORRIDOR	103 UTILITIES	36"x84"x1 3/4"	WD-1	WD	ST	20 MINS	F2	4 3/4"	MTL	PT	H-1/C-1/L-1/B-1	
104	120 CORRIDOR	104 OFFICE 4	36"x84"x1 3/4"	WD-2	WD	ST	20 MINS	F2	4 3/4"	MTL	PT	H-1/C-1/L-1/B-1	
105	120 CORRIDOR	105 OFFICE 5	36"x84"x1 3/4"	WD-2	WD	ST	20 MINS	F2	4 3/4"	MTL	PT	H-1/C-1/L-1/B-1	
106	120 CORRIDOR	106 OFFICE 6	36"x84"x1 3/4"	WD-2	WD	ST	20 MINS	F2	4 3/4"	MTL	PT	H-1/C-1/L-1/B-1	
107	110 CORRIDOR	107 SUPERINTENDENT OFFICE	36"x84"x1 3/4"	WD-2	WD	ST	20 MINS	F2	4 3/4"	MTL	PT	H-1/C-1/L-1/B-1	
108	107 SUPERINTENDENT OFFICE	108 COVERED PORCH (OUT)	36"x84"x1 3/4"	HM-1	HM	PT	---	F1	9"	MTL	PT	H-1/L-6/C-1/B-3	
109	110 CORRIDOR	109 STORAGE	36"x84"x1 3/4"	HM-1	HM	PT	20 MINS	F2	8"	MTL	PT	H-1/L-1/B-1/C-1 (FIRE AND STORM RATED)	
110	110 CORRIDOR	108 COVERED PORCH (OUT)	36"x84"x1 3/4"	HM-1	HM	PT	---	F1	9"	MTL	PT	H-1/L-6/C-1/B-3	
111	110 CORRIDOR	111 OFFICE 1	36"x84"x1 3/4"	WD-2	WD	ST	20 MINS	F2	4 3/4"	MTL	PT	H-1/C-1/L-1/B-1	
112	110 CORRIDOR	112 OFFICE 2	36"x84"x1 3/4"	WD-2	WD	ST	20 MINS	F2	4 3/4"	MTL	PT	H-1/C-1/L-1/B-1	
113	101 RECEPTION/WAITING	113 OFFICE 3	36"x84"x1 3/4"	WD-2	WD	ST	20 MINS	F2	4 3/4"	MTL	PT	H-1/C-1/L-1/B-1	
114	101 RECEPTION/WAITING	114 STORAGE	42"x84"x1 3/4"	HM-1	HM	PT	20 MINS	F2	8"	MTL	PT	H-1/L-1/B-1/C-1 (FIRE AND STORM RATED)	
115	115 CORRIDOR	114 STORAGE	36"x84"x1 3/4"	HM-1	HM	PT	20 MINS	F2	8"	MTL	PT	H-1/L-1/B-1/C-1 (FIRE AND STORM RATED)	
116	118 CORRIDOR	116 RESTROOM	36"x84"x1 3/4"	WD-1	WD	ST	20 MINS	F2	4 3/4"	MTL	PT	H-1/C-1/B-1/L-3	
117	118 CORRIDOR	117 RESTROOM	36"x84"x1 3/4"	WD-1	WD	ST	20 MINS	F2	4 3/4"	MTL	PT	H-1/C-1/B-1/L-3	
118	118 CORRIDOR	120 CORRIDOR	36"x84"x1 3/4"	WD-2	WD	ST	20 MINS	F2	4 3/4"	MTL	PT	H-1/L-5/B-1/C-1	
119A	102 BOARD ROOM	119 BREAK ROOM	36"x84"x1 3/4"	WD-2	WD	ST	---	F2	4 3/4"	MTL	PT	H-1/L-2/C-1	
119B	120 CORRIDOR	119 BREAK ROOM	36"x84"x1 3/4"	WD-2	WD	ST	90 MINS	F2	4 3/4"	MTL	PT	H-1/L-2/C-1	
119C	119 BREAK ROOM	102 BOARD ROOM	84"x60"	WD-4	WD	ST	---	---	---	---	---	OUTSIDE FACE MOUNTED FRAME, MANUAL LIFT.	
123	123 CORRIDOR	OUT	36"x84"x1 3/4"	HM-1	HM	PT	---	F1	9"	MTL	PT	H-1/L-6/C-1/B-3	
200	200 MEZZANINE	200 MEZZANINE	36"x72"x1 3/4"	HM-2	HM	PT	90 MINS	F1	4 3/4"	MTL	PT	H-1/L-2/C-1	

ABBREVIATIONS:

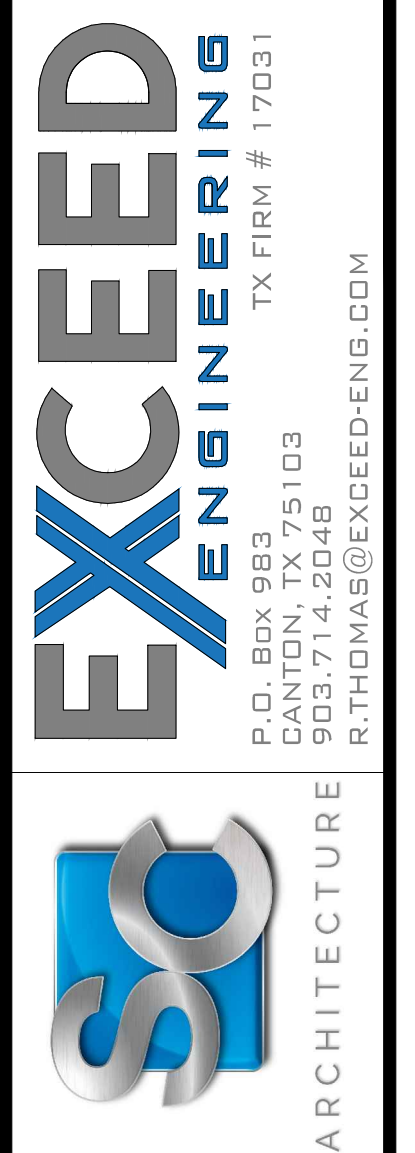
AL ALUMINUM	WD WOOD	CLR CLEAR	HDWE HARDWARE	ST STAINED & SEALED	CO CASED OPENING	FG FIBERGLASS
MAT'L MATERIAL	MTL METAL	GL CLASS	PT PAINTED	FF FACTORY FINISH	OH'D OVER HEAD DOOR	

- GENERAL NOTES:**
- THRESHOLDS TO BE ADA APPROVED WITH 1/2" MAXIMUM VERTICAL RISE, BEVELED RISE SLOPE, NON SKID SURFACE MILL-FINISH ALUMINUM.
 - ALL DOOR LEAVES SHALL RECEIVE SET OF THREE BUTT HINGES, SILENCERS, AND A FLOOR OR WALL STOP. ALL EXTERIOR DOORS SHALL RECEIVE WEATHER STRIPPING, SWEEPS, AND THRESHOLDS. ALL HARDWARE REQUIRED FOR A COMPLETE DOOR SET SHALL BE PROVIDED.
 - ALL FIRE DOORS SHALL BE TESTED IN ACCORDANCE WITH ASTM E152 AND LABELED PER LIFE SAFETY CODE.
 - CONTRACTOR TO FIELD VERIFY ALL DOOR FRAME DEPTH WITH FIELD FRAMED WALL THICKNESS PRIOR TO ORDERING FRAMES.
 - MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED: 5.0 L.B.F. (22.2N) FOR INTERIOR DOORS.
 - FOR INTERIOR DOOR ROUGH OPENING SIZES CONTRACTOR SHALL VERIFY WITH MANUFACTURER.
 - CAULK EXTERIOR AND INTERIOR SIDES OF ALL DOOR FRAMES.
 - DOOR HARDWARE SHALL BE CORBIN RUSSWIN MEDIUM DUTY COMMERCIAL
 - HARDWARE IN SATIN CHROME FINISH (VERIFY WITH OWNER). ALL OTHER HARDWARE SHALL MATCH THE GRADE AND FINISH OF THE HANDLES.(U.N.O.)
 - ALL DOORS TO BE INSTALLED WITH HINGE REINFORCEMENTS OR OTHER PRECAUTIONS TO ENSURE LONG, TROUBLE FREE OPERATION. HARDWARE SHALL BE ADJUSTED TO PROVIDE SMOOTH BALANCED DOOR MOVEMENTS. MAXIMUM DIAGONAL DISTORTION NOT TO EXCEED 1/16" FOR STEEL DOORS, 1/8" FOR WOOD DOORS.
 - LATCHES AND LOCKS ON EMERGENCY EGRESS DOORS WITHOUT PANIC HARDWARE ARE TO BE INSTALLED PER LOCAL CODES

HARDWARE LEGEND

MARK	DESCRIPTION	MARK	DESCRIPTION	MARK	DESCRIPTION
H1	CORBIN RUSSWIN KNUCKLE FULL-MORTISE LOOSE PIN SATIN CHROME BUTTS. 3 HINGES PER DOOR UNIT.	L5	CORBIN RUSSWIN ED400 SERIES NARROW STYLE EXIT DEVICE WITH LEVER LATCH - GEORGIA 125 STYLE ON OPPOSITE SIDE OF PANIC (OMIT KEY CYLINDER).	B1	"TRIMCO" CONVEX RUBBER WALL BUMPER NO. 1270CV - SATIN CHROME
L1	CORBIN RUSSWIN KEYED LEVER LOCKSET CL3100 - 2 3/4" BACKSET.	L6	CORBIN RUSSWIN ED400 SERIES NARROW STYLE EXIT DEVICE WITH LEVER LATCH - GEORGIA 125 STYLE ON OPPOSITE SIDE OF PANIC (WITH KEY CYLINDER).	B2	"TRIMCO" HINGE PIN STOP -SATIN CHROME
L2	CORBIN RUSSWIN LEVER PASSAGE SET CL3100 - 2 3/4" BACKSET.			B3	"TRIMCO" 1215CKU DOOR STOP-SATIN CHROME
L3	CORBIN RUSSWIN LEVER PRIVACY SET CL3100 - 2 3/4" BACKSET.	C1	CORBIN RUSSWIN D-3000 SERIES CAST IRON DOOR CLOSER - ADA ARM, HOLD OPEN SATIN CHROME	B4	"TRIMCO" 1254 WALL STOP AND HOLDER

A. DOOR SCHEDULE



2021 FRUITVALE ISD
ADMINISTRATION BLDG
FRUITVALE, TEXAS 75127
DOOR SCHEDULE



Issue/Revision Date & Description
FFR-06/21/21
FFB-07/02/21 (FOR FEMB PACKAGE)
FFB-08/21/21

Job Number:
050-21003

Sheet Number:

A4.1

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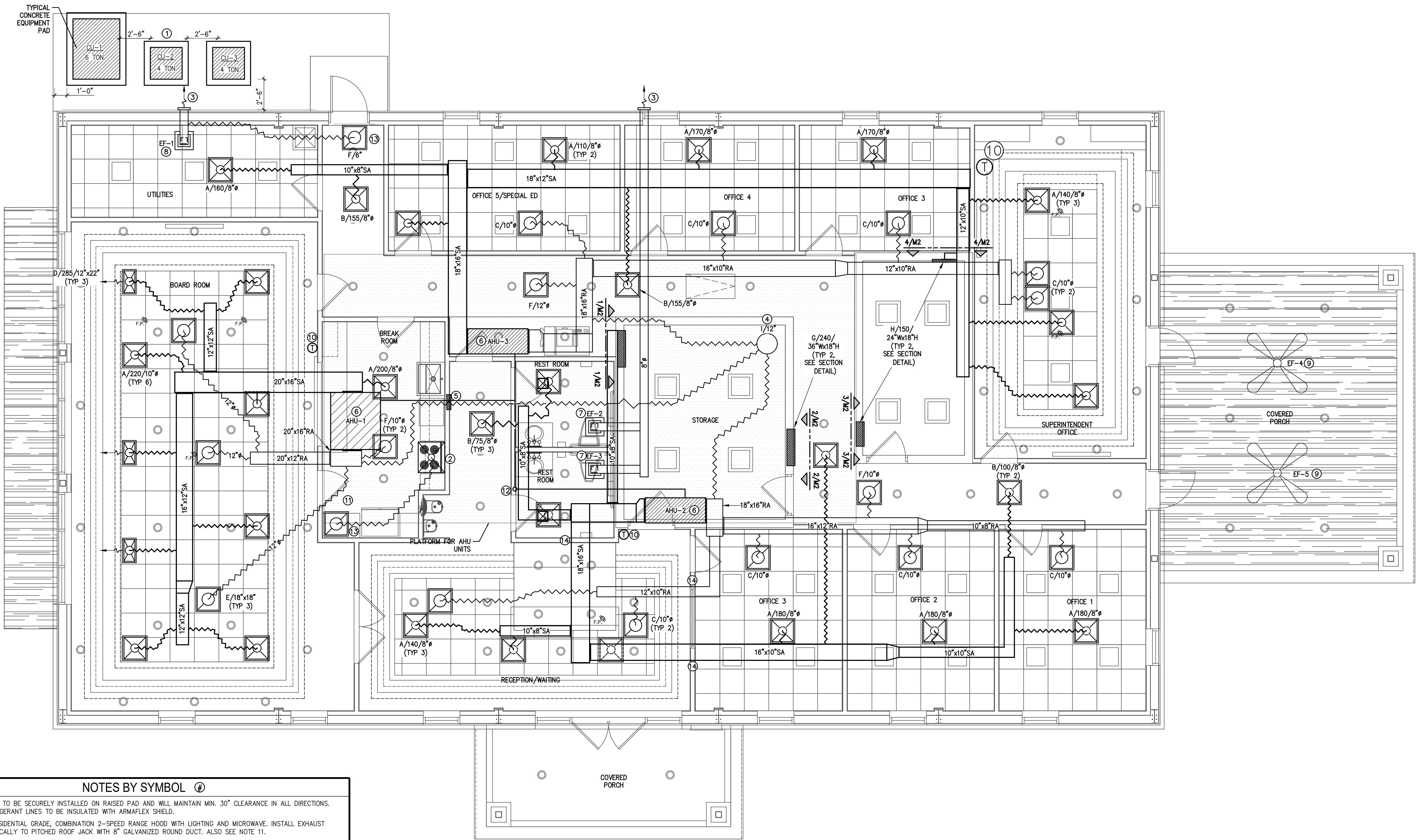


Issue/Revision Date & Description

Job Number:
050-21003

Sheet Number:

M1



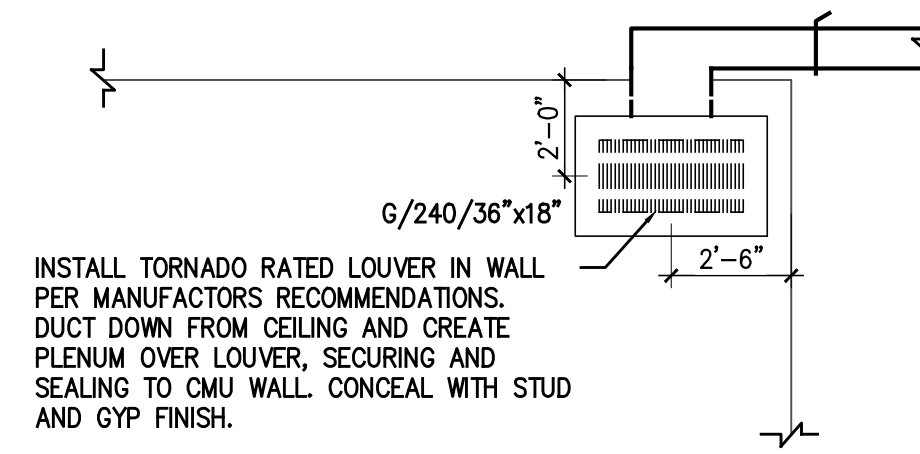
NOTES BY SYMBOL

- CONDENSER TO BE SECURELY INSTALLED ON RAISED PAD AND WILL MAINTAIN MIN. 30" CLEARANCE IN ALL DIRECTIONS. BOTH REFRIGERANT LINES TO BE INSULATED WITH ARMAFLEX SHIELD.
- INSTALL RESIDENTIAL GRADE, COMBINATION 2-SPEED RANGE HOOD WITH LIGHTING AND MICROWAVE. INSTALL EXHAUST DUCT VERTICALLY TO PITCHED ROOF JACK WITH 8" GALVANIZED ROUND DUCT. ALSO SEE NOTE 11.
- TERMINATE ROUND EXHAUST DUCT TO 8" GALVANIZED WALL CAP WITH INTEGRAL BACKDRAFT DAMPER AND BIRD SCREEN. INSTALL AT 10.5' AFF. USE EXTERIOR GRADE CLEAR RTV FOR WEATHER SEAL.
- MECHANICAL CONTRACTOR SHALL PROVIDE ROOF CURB FOR ROOF VENTILATOR. ROOF CURB TO BE MANUFACTURED BY L&M CURB, REFERENCE BUILDING DESIGN SHEET TO CONFIRM ROOF TYPE. AT INTAKE VENTILATOR, INSTALL 12" OA DUCT TO ROOF VENTILATOR AND BRANCH EACH (3) 8" FLEX DUCT TO EACH AHU. FOR EXHAUST VENTILATOR, INSTALL 12" EXHAUST DUCT TO VENTILATOR AND CONNECT EACH EXHAUST BRANCH AS INDICATED ON PLAN. INSTALL BACKDRAFT DAMPER ON EACH BRANCH.
- INSTALL 2-HR FIRE DAMPER AT RATED WALL ON OA DUCT TO AHU-1.
- INSTALL AHU SUSPENDED FROM ROOF STRUCTURE PER DETAIL. INSTALL CONDENSATE DRAIN CONNECTION PER DETAIL AND ROUTE 3/4" SCH. 40 PVC CONDENSATE LINE AS INDICATED TO TERMINATE INTO DEDICATED SEWER CONNECTION ROUTED THRU WALL SPACE. INSTALL BOTH A MANUAL DAMPER TO BALANCE OA PER SCHEDULE USING AN IN-DUCT ANEMOMETER AND AN OPEN/CLOSED ELECTRIC ACTUATED DAMPER INTERLOCKED TO RESPECTIVE BLOWER.
- INTERLOCK TO ENERGIZE WITH AREA LIGHTING OR MOTION DETECTOR.
- INTERLOCK TO ENERGIZE WITH AHU-3 BLOWER. INSTALL DEVICE "F" WITH A BACKDRAFT DAMPER IN HALLWAY TO RELIEVE EXCESS BUILDING PRESSURE AND HEADER EXHAUST DUCT WITH EF-3 EXHAUST DUCT.
- INSTALL OWNER SELECTED CIRCULATION FANS. COORDINATE LOCATION WITH LIGHTING.
- THERMOSTATS TO BE LOCATED APPROX. AS INDICATED ON PLAN AND CONFIRMED BY OWNER.
- INSTALL GRILLE "F" TO RELIEVE EXCESS AIR IN THIS ZONE. DUCT TO HEADER TO SAME 8" EXHAUST DUCT AS KH-1.
- DEDICATED SS CONNECTION FOR CONDENSATE, ROUTED FROM SS UP THRU WALL AND TERMINATING IN ATTIC SPACE.
- INSTALL BACK-DRAFT DAMPER NEAR DEVICE.
- INSTALL 1-HR FIRE DAMPER AT 1-HR WALL.

GENERAL NOTES

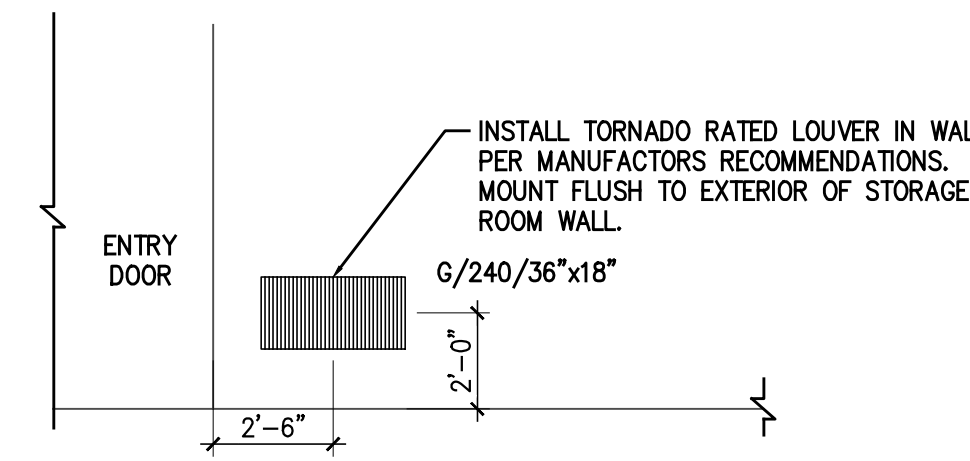
- INSTALL DUCKWORK OVER THE UPPER DECKED PORTION OF THE ATTIC SPACE SUCH TO MAINTAIN EGRESS PATHS OVER/UNDER DUCTWORK AND TO INCREASE AMOUNT OF POTENTIAL PLATFORM SPACE FOR FUTURE STORAGE. EXHAUST AND OA DUCKWORK TO BE INSTALLED HIGH IN ATTIC SPACE.
- INSTALL 1-HR FIRE DAMPER AT ALL SUPPLY AND RETURN GRILLES AT ALL RATED CEILINGS. 1-HR RATED CEILINGS IN ALL CORRIDORS - REFER TO AND CONFIRM ON ARCHITECTURAL PLANS.

1 MECHANICAL FLOOR PLAN
Scale: 1/4" = 1'-0"



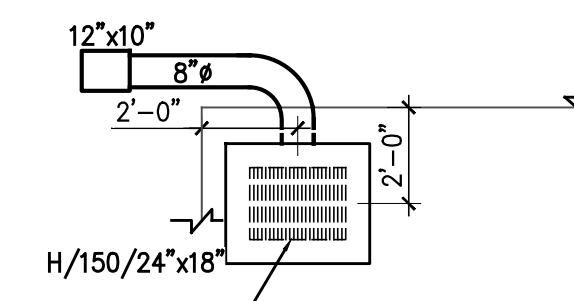
INSTALL TORNADO RATED LOUVER IN WALL PER MANUFACTURERS RECOMMENDATIONS. DUCT DOWN FROM CEILING AND CREATE PLENUM OVER LOUVER, SECURING AND SEALING TO CMU WALL. CONCEAL WITH STUD AND GYP FINISH.

1 SECTION DETAIL FOR LOUVER INSTALLATION AT STORAGE ROOM
Scale: 1/4" = 1'-0"



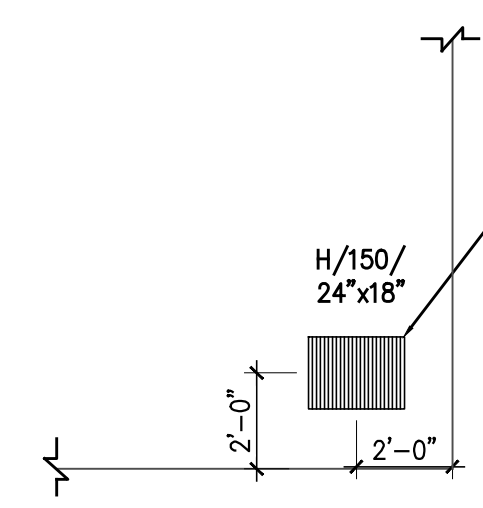
INSTALL TORNADO RATED LOUVER IN WALL PER MANUFACTURERS RECOMMENDATIONS. MOUNT FLUSH TO EXTERIOR OF STORAGE ROOM WALL.

2 SECTION DETAIL FOR LOUVER INSTALLATION AT STORAGE ROOM
Scale: 1/4" = 1'-0"



INSTALL TORNADO RATED LOUVER IN WALL PER MANUFACTURERS RECOMMENDATIONS. DUCT DOWN FROM CEILING AND CREATE PLENUM OVER LOUVER, SECURING AND SEALING TO CMU WALL. CONCEAL WITH STUD AND GYP FINISH.

4 SECTION DETAIL FOR LOUVER INSTALLATION AT VAULT ROOM
Scale: 1/4" = 1'-0"



INSTALL TORNADO RATED LOUVER IN WALL PER MANUFACTURERS RECOMMENDATIONS. MOUNT FLUSH TO EXTERIOR OF VAULT ROOM WALL.

3 SECTION DETAIL FOR LOUVER INSTALLATION AT VAULT ROOM
Scale: 1/4" = 1'-0"

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2021 FRUITVALE ISD
ADMINISTRATION BLDG
FRUITVALE, TEXAS 75127
MECHANICAL ELEVATIONS & SECTIONS

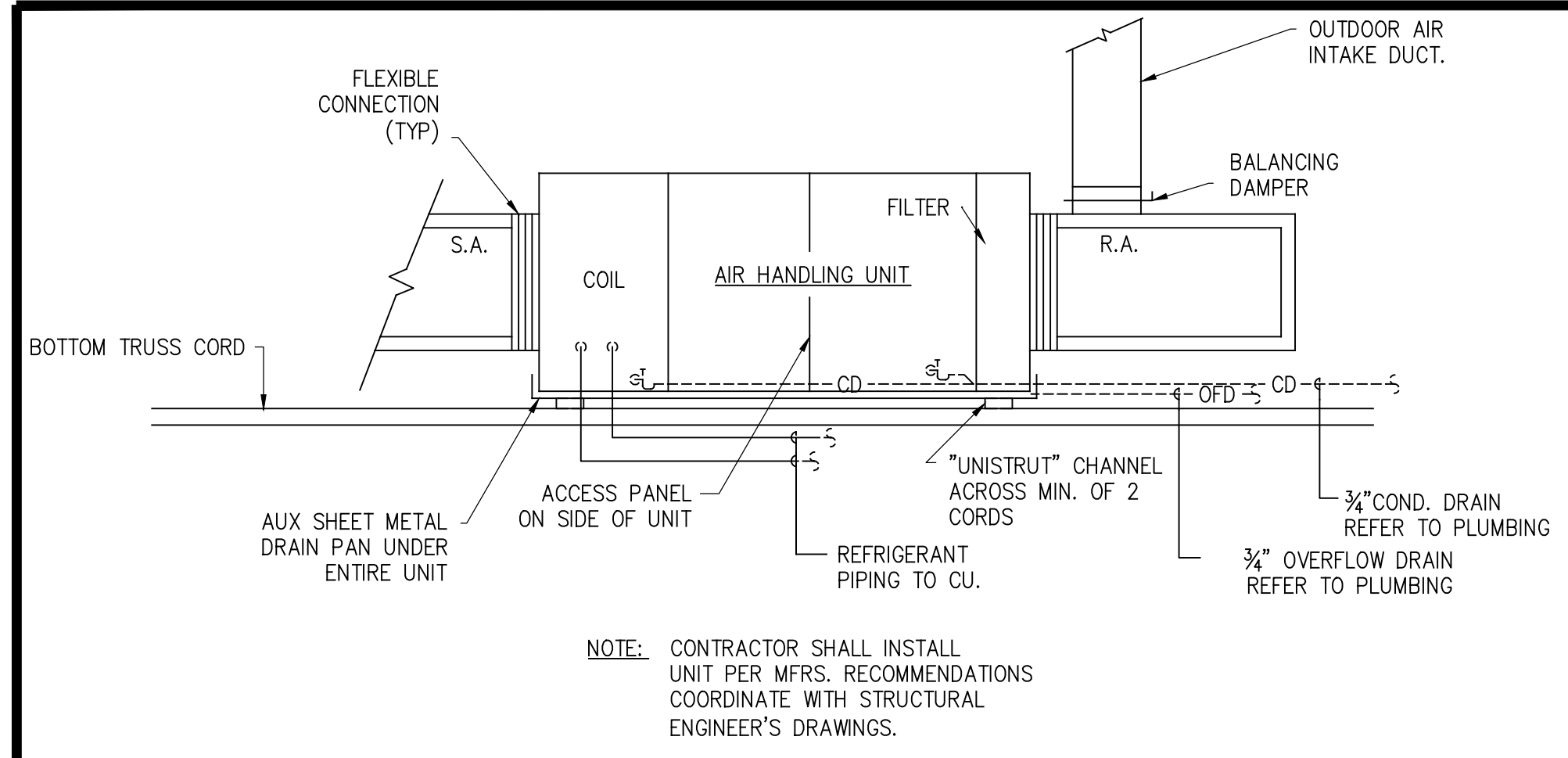


Issue/Revision	Date	Description

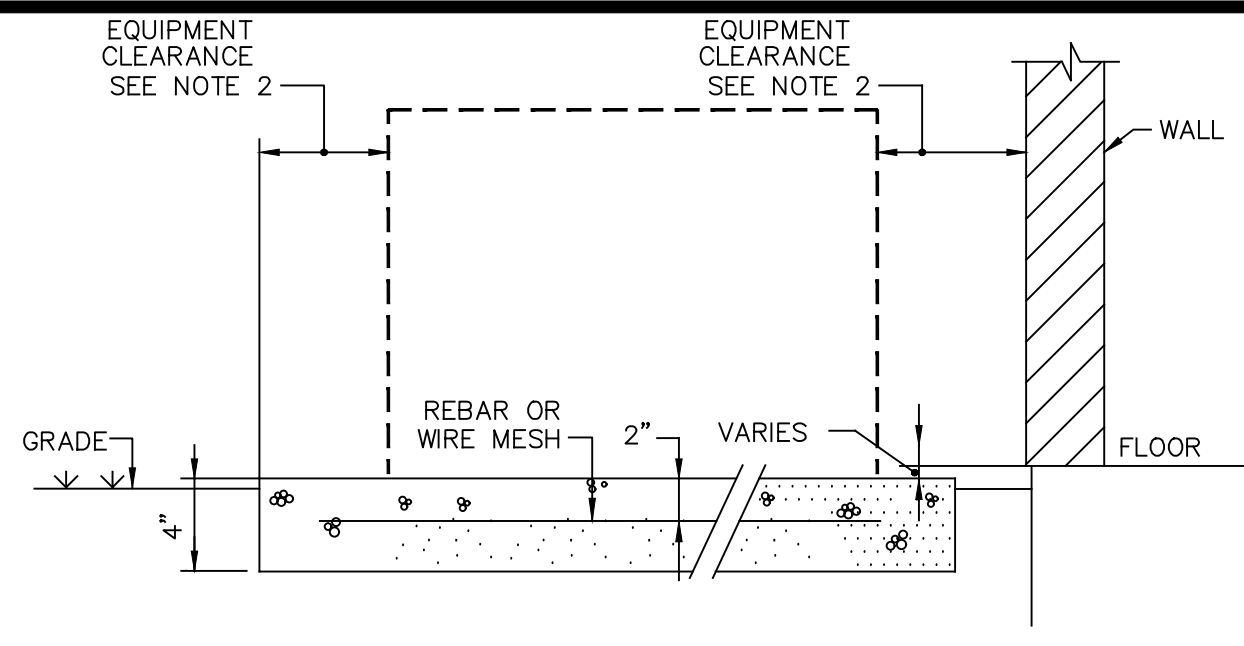
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050-21003

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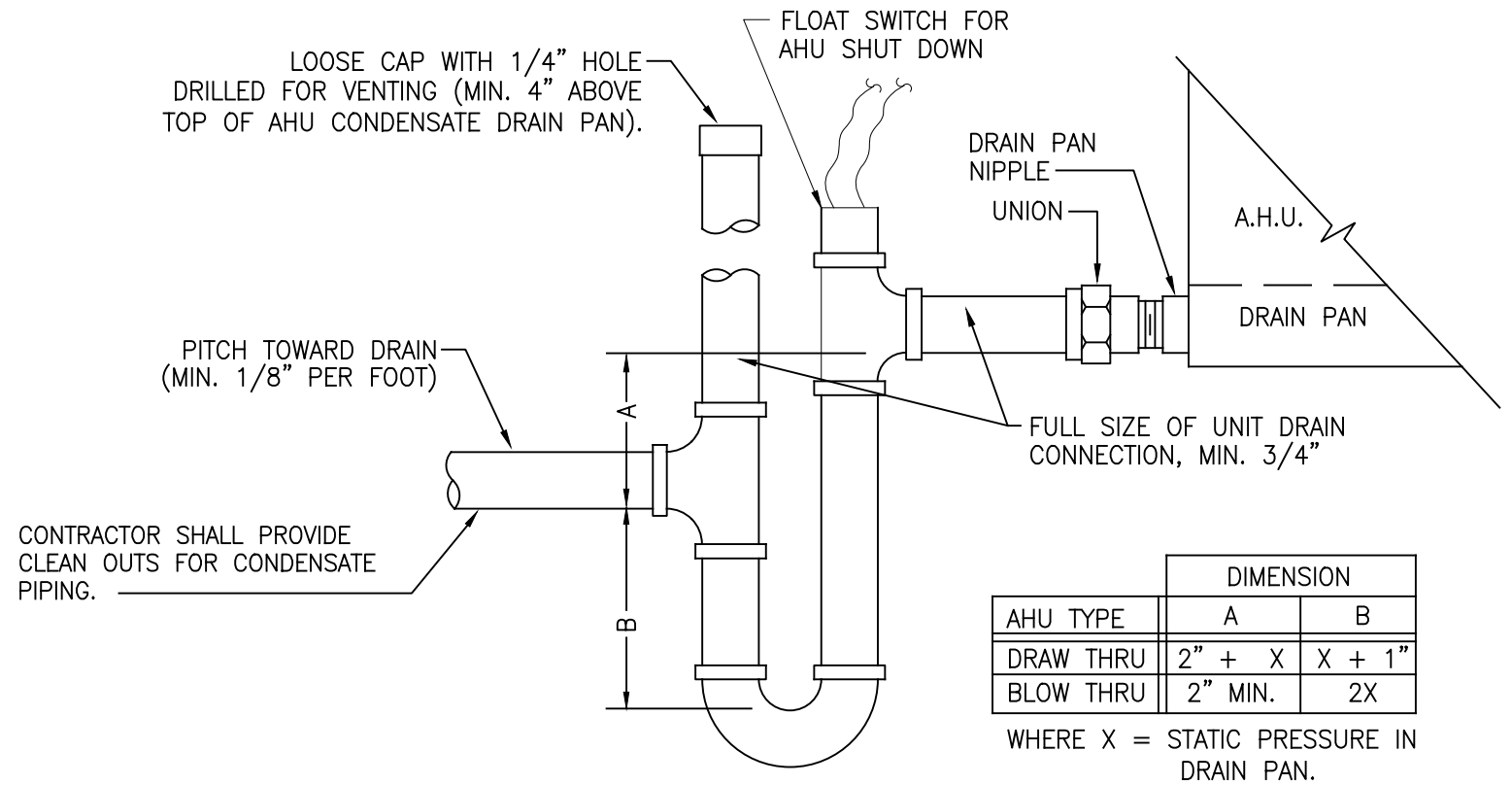
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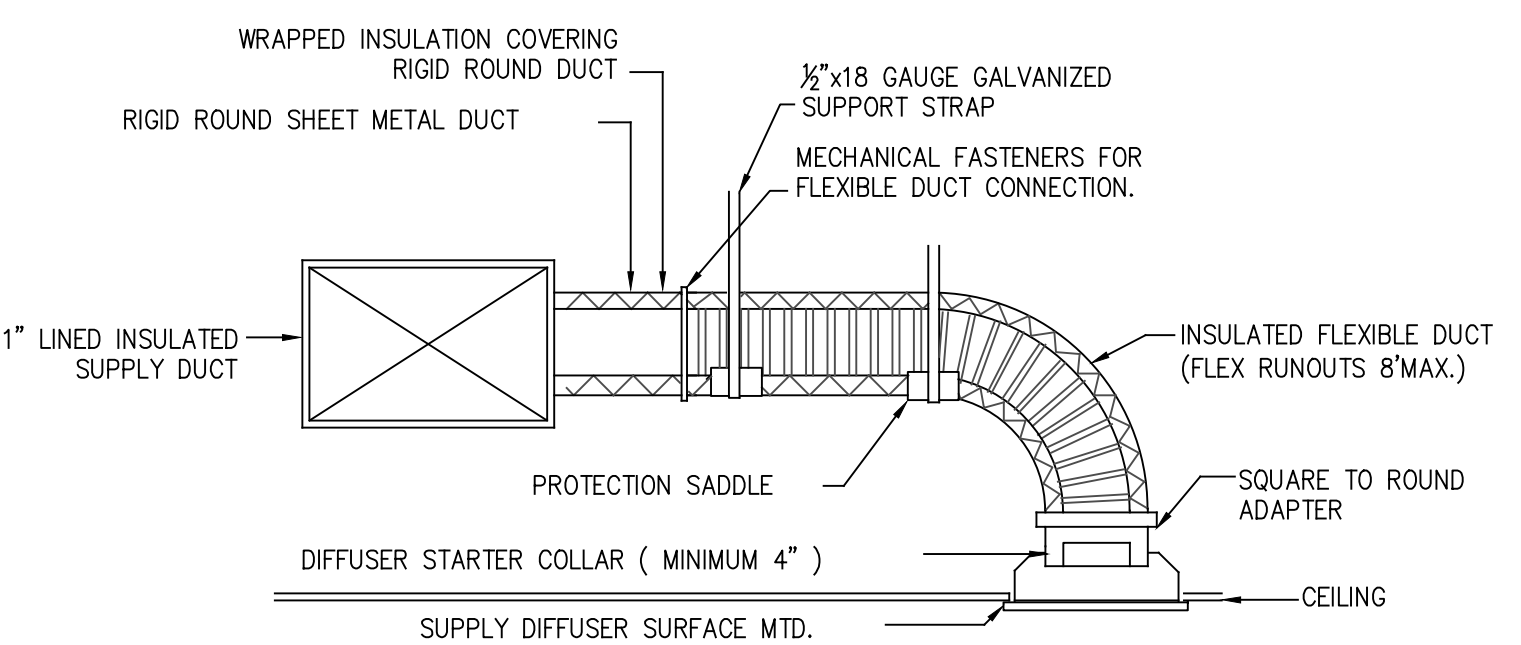
AHU DETAIL
SCALE: N.T.S.



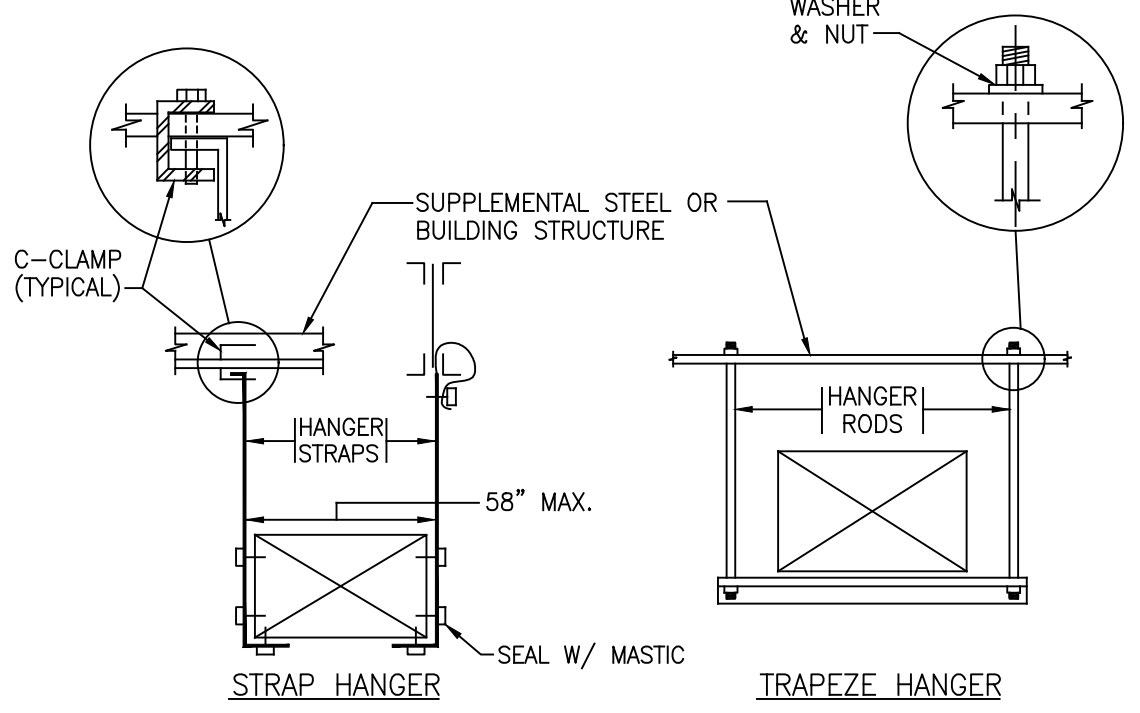
CONDENSING EQUIPMENT PAD DETAIL
SCALE: N.T.S.



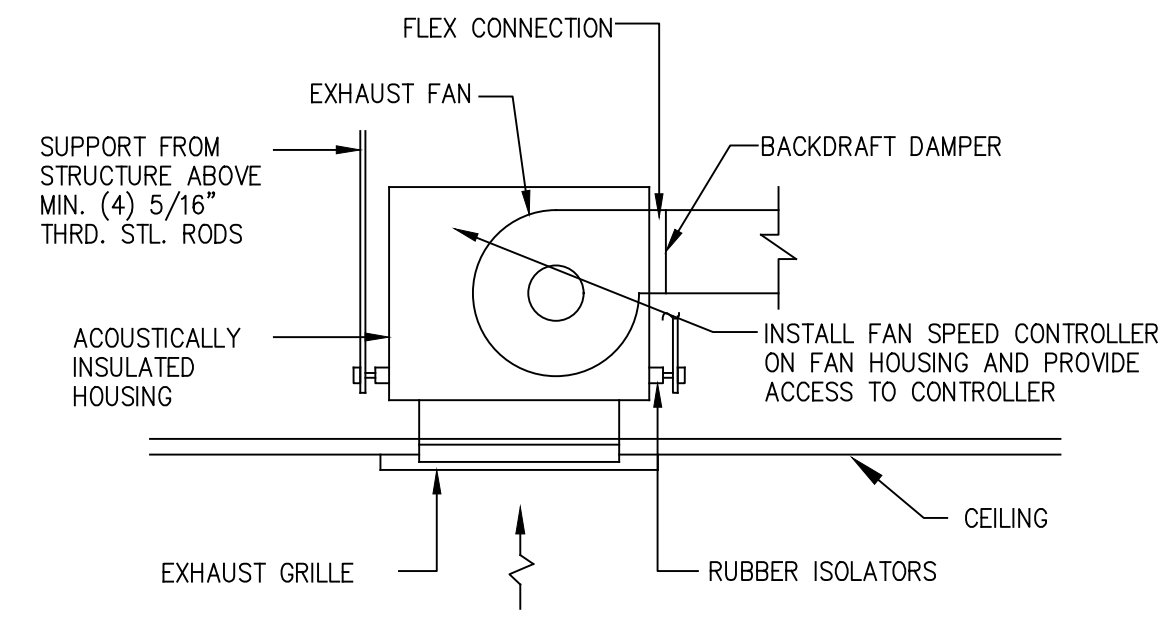
AHU CONDENSATE DRAIN CONNECTION
SCALE: N.T.S.



DUCT CONNECTION DETAIL
SCALE: N.T.S.



DUCT HANGER DETAIL
SCALE: N.T.S.



CEILING MTD. EXHAUST FAN
SCALE: N.T.S.

GENERAL NOTES

- DUCTWORK SHALL BE RUN AS SHOWN, BUT SHALL CONFORM TO STRUCTURAL AND FINISH CONDITIONS OF BUILDING.
- BUILDING AIR SYSTEMS SHALL BE BALANCED PER DATA INCLUDED ON THE DRAWINGS TO ACHIEVE RELATIVE AIR VOLUMES AS INDICATED ON THE DRAWINGS AND SCHEDULED HEREIN.
- DUCT SIZES INDICATED ON DRAWINGS ARE CLEAR INTERNAL DIMENSIONS.
- SQUARE, RECTANGULAR AND ROUND DUCTWORK SHALL BE CONSTRUCTED OF NEW GALVANIZED PRIME GRADE SHEET STEEL MEETING THE REQUIREMENTS OF 'SMACNA' DUCT CONSTRUCTION STANDARDS.
- EXTERIOR SA & RA DUCT SYSTEMS TO BE INTERNALLY LINED WITH AP ARMAFLEX SELF-ADHERING CLOSED CELL ELASTOMERIC INSULATION 2" THICK, R-8 RATED. INTERIOR SA & RA DUCT SYSTEMS TO BE EXTERNALLY WRAPPED WITH FIBER GLASS INSULATION SYSTEM 2" THICK, R-8 RATED. EXPOSED INTERIOR DUCT SYSTEMS SHALL BE JACKETED WITH AL JACKETING. DIMENSIONS ON PLAN ARE FREE INTERNAL DIMENSIONS. USE OUTDOOR GRADE CLEAR RTV SILICONE TO SEAL DUCT SYSTEM.
- DUCTS SHALL BE SUPPORTED AT ALL TURNS AND TRANSITIONS AND NOT MORE THAN 8'-0" O.C. STRAIGHT DUCTS UP TO 59" MAX DIMENSIONS SHALL BE SUPPORTED AT 4'-0" O.C.
- ALL DUCTS REQUIRING REINFORCEMENT SHALL BE REINFORCED ACCORDING TO THE LATEST EDITION OF 'SMACNA' MANUAL. MATERIALS FOR REINFORCEMENT MEMBERS SHALL BE GALVANIZED STEEL. ALL SCREWS AND WASHERS SHALL BE PLATED OR GALVANIZED.
- ALL DEVICE BALANCE WORK TO BE CONFIRMED WITH INDUCT ANEMOMETER AND DOCUMENTED. SUBMIT A RECORD COPY TO EXCEED ENGINEERING.
- LOCATE EQUIPMENT AND FIXTURES APPROXIMATELY AS SHOWN CONFORMING TO BUILDING AND STRUCTURAL ITEMS, PROVIDE SUPPORTS, HANGERS AND OPENINGS AS REQUIRED FOR A COMPLETE INSTALLATION. CONTRACTOR SHALL COORDINATE WITH ALL TRADES FOR CLEARANCES, AND EXACT LOCATIONS OF EQUIPMENT, EQUIPMENT AND FIXTURES SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND IN FULL ACCORDANCE WITH APPLICABLE CODES HAVING JURISDICTION.
- PROVIDE ELECTRONIC PROGRAMMABLE THERMOSTAT WITH SUB-BASE, TRANSFORMERS AND 24 VOLT CONTROL WIRING. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING. THERMOSTATS SHALL BE MOUNTED 48" A.F.F. VERIFY FINAL LOCATION WITH OWNER.

MECHANICAL SYMBOLS

- SUPPLY AIR DUCT OR GRILLE
- RETURN AIR DUCT OR GRILLE
- R.A. RETURN AIR
- S.A. SUPPLY AIR
- E.A. EXHAUST AIR
- DUCT SMOKE DETECTOR
- DUCT SENSOR FOR THERMOSTAT
- THERMOSTAT
- CHS CHILLED WATER SUPPLY
- CHR CHILLED WATER RETURN
- HS HOT WATER SUPPLY
- HR HOT WATER RETURN
- O.A. OUTSIDE AIR
- FIRE DAMPER
- FLEX DUCT
- RIGID TRUNK DUCT
- RIGID BRANCH DUCT

ALL SYMBOLS MAY NOT BE USED.

INDOOR AIR HANDLING SCHEDULE

MARK	MFR.	MODEL NO.	UNIT WT.	UNIT SIZE	VOLTS	HZ	PH	MCA	TOTAL CFM	FAN MOTOR	ELEC. HEAT (KW)	CIRC. BREAKER (AMP)	FILTERS		
													NO.	SIZE	TYPE
AHU-1	CARRIER	40RUQA07T1A5-0A1A0	400 LBS.	6 TONS	208	60	3	34.5	2400	2.4 HP	7.5 KW	35	4	2"x16"x24"	MERV 10
AHU-2&3	CARRIER	FE4ANB006000	207 LBS.	4 TONS	208	60	1	53.8	1600	TBD	7.5 KW	60	1	NOTE 7	MERV 10

FIELD INSTALLED ACCESSORIES:
1) PROVIDE UNITS WITH 7-DAY PROGRAMMABLE THERMOSTATS WITH NIGHT SET BACK CAPABILITIES.
CONTRACTOR TO PROVIDE:
1) ELECTRICAL DISCONNECT SWITCH
2) HACR BREAKERS

NOTES:
1. REFRIGERANT R-410A
2. SINGLE POINT POWER
3. IF INTEGRAL CIRCUIT BREAKER, USE FOR UNIT DISCONNECT
4. REFER TO FLOOR PLAN FOR O.A. CFM PER UNIT.
5. RUUD, TRANE, CARRIER, BRYANT, YORK, GOODMAN, AND LENNOX ARE CONSIDERED EQUIVALENT MANUFACTURERS.
6. BALANCE O.A. USING IN-DUCT ANEMOMETER. O.A: AHU-1 265 CFM; AHU-2 175 CFM; AHU-3 210 CFM.
7. OPT. FILTER KIT TO BE INCLUDED W/A.H. & SUPPLIED W/FILTERS.
8. INSTALL BACKUP ELECTRIC HEAT STRIPS PER SCHEDULE.

OUTDOOR CONDENSING UNIT SCHEDULE-HEAT PUMP

MARK	MFR.	MODEL NO.	UNIT WT.	UNIT SIZE	VOLTS	HZ	PH	MCA	CIRCUIT BREAKER	LIQUID LINE	VAPOR LINE	REFRIG.	COOLING CAPACITY
CU-1	CARRIER	38AUQE07A0A5-0A0C0	400 LBS.	6 TONS	208	60	3	25	30A	3/8" O.D.	1 1/8" O.D.	R-410A	70 MBH
CU-2 & 3	CARRIER	25VNA848A0030	257 LBS.	4 TONS	208	60	1	31.4	50A	3/8" O.D.	1 1/8" O.D.	R-410A	47 MBH

NOTES:
1) PROVIDE DISCONNECT, TO BE FIELD MOUNTED BY ELECTRICAL CONTRACTOR.
CONTRACTOR TO PROVIDE:
1) ELEC. DISCONNECT SWITCH
2) HACR BREAKERS

FAN SCHEDULE

MARK	TYPE	CFM	S.P. (IN W.C.)	DRIVE	MOTOR DATA			SERVES	EQUAL TO		UNIT WEIGHT	NOTES
					HP/WATTS	VOLTS	PH		MFR.	MODEL		
EF-1,2,&3	CEILING	110	.1	DIRECT	25W	115	1	MECH. RM. & RESTROOMS	BROAN	AE110	10	1&2
EF-4&5	CIRCULATION	-	-	DIRECT	TBD	115	1	PATIO	BY OWNER EXTERIOR RATED	-	-	3
RH-1	2 SPEED DUCTED RANGE HOOD WITH LIGHT & MW	140-220	.1	DIRECT	TBD	115	1	OVEN RANGE	BY OWNER	-	-	3

NOTES:
1. EF-1,2/3-PROVIDE WITH FACTORY BACKDRAFT DAMPER.
2. EF-1/2 INTERLOCK START/STOP WITH LIGHT SWITCH OR MOTION DETECTOR.
3. COORDINATE COLOR/STYLE OR ALTERNATIVE EQUIVALENT MODEL WITH OWNER.
EF-3 INTERLOCK WITH AHU-3 BLOWER.
APPROVED MANUFACTURER'S: GREENHECK, BROAN, LOREN COOK, ACME AND PENN.

LOUVER SCHEDULE

MARK	MFR.	MODEL NO.	SIZE	FREE AREA (FT ²)	TYPE
G	RUSKIN	XP500WD	36"Wx18"H	.89	WIND DRIVEN RAIN LOUVER; FEMA P-361 AND ICC 500 COMPLIANT
H	RUSKIN	XP500WD	24"Wx18"H	.53	WIND DRIVEN RAIN LOUVER; FEMA P-361 AND ICC 500 COMPLIANT

NOTES:
1. COORDINATE FINISH/COLOR WITH OWNER.

ROOF VENTILATOR SCHEDULE

MARK	MFR.	MODEL NO.	SIZE	TYPE
I	GREENHECK	GRSI	12" DIA	GRAVITY INTAKE VENTILATOR

NOTES:
1. COORDINATE FINISH/COLOR WITH OWNER.
2. PROVIDE AND INSTALL INSECT SCREEN.
3. MECHANICAL CONTRACTOR TO PROVIDE ROOF CURB FOR EACH VENTILATOR.
4. INCLUDE OPT. FACTORY INSTALLED DAMPER ARRANGED FOR INTAKE.

AIR DEVICE SCHEDULE

PLAN MARK	METAL AIRE MODEL	FACE SIZE	TYPE
A	PHENOM-6 AS	24"x24" TBAR LAY-IN	ULTRA HIGH PERFORMANCE SUPPLY DIFFUSER. 24"x24" TBAR LAY-IN. ALUMINIZED STEEL. NOTE 5.
B	PHENOM-1 AS	24"x24" SURF. MOUNT	ULTRA HIGH PERFORMANCE SUPPLY DIFFUSER. 24"x24" SURF. MOUNT. ALUMINIZED STEEL. NOTE 5.
C	7300R-6 AF	24"x24" TBAR LAY-IN	PERFORATED RETURN GRILLE. ALUMINIZED STEEL. FOIL LINED. FIBERGLASS BACKED. NOTE 5.
D	LFL-1W-6	12"x22" LIST SIZE	1-WAY DIRECTIONAL LOUVER FACE LINEAR DIFFUSER. ALUMINUM. (SIZED TO FIT IN SPLIT 2'x2' CEILING TBAR CELL.)
E	CC45-8	18"x18" LIST SIZE	SIGHT PROOF CUBE CORE RETURN GRILLE. LAY-IN TBAR. FILLER PANEL TO FIT STANDARD 2'x2' CEILING TBAR CELL. ALUMINUM.
F	CC45-1	12"x12" LIST SIZE	SIGHT PROOF CURB CORE RETURN GRILLE. SURFACE MOUNT. ALUMINUM.

NOTES:
1. COORDINATE LOCATION OF DIFFUSERS WITH ARCHITECTURAL REFLECTED CEILING PLAN.
2. TITUS, PRICE, KRUEGER AND TUTTLE & BAILEY ARE CONSIDERED EQUIVALENT MANUFACTURERS.
3. AIRFLOW QUANTITY NOTED ON MECH. DRAWINGS.
4. COORDINATE WITH OWNER FOR COLOR.
5. NECK SIZES SHALL BE SIZED AS SHOWN ON PLAN.

CONTRACTOR NOTES

- CONTRACTOR SHALL PROVIDE EQUIPMENT AND/OR MATERIALS SUBMITTALS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING. SUBMITTALS REQUIRED FOR THIS PROJECT INCLUDE BUT ARE NOT LIMITED TO ROOF TOP UNITS, UNISTRUT USED FOR EQUIPMENT SUPPORT, AIR DISTRIBUTIONS DEVICES AND DUCTWORK.



Issue/Revision	Date	Description

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ISSUED BY
ERIC ROBERTS, P.E.
LICENSE # 14722
DATE: 08/26/21

2021 FRUITVALE ISD
ADMINISTRATION BLDG
FRUITVALE, TEXAS 75127
WASTE & VENT FLOOR PLAN



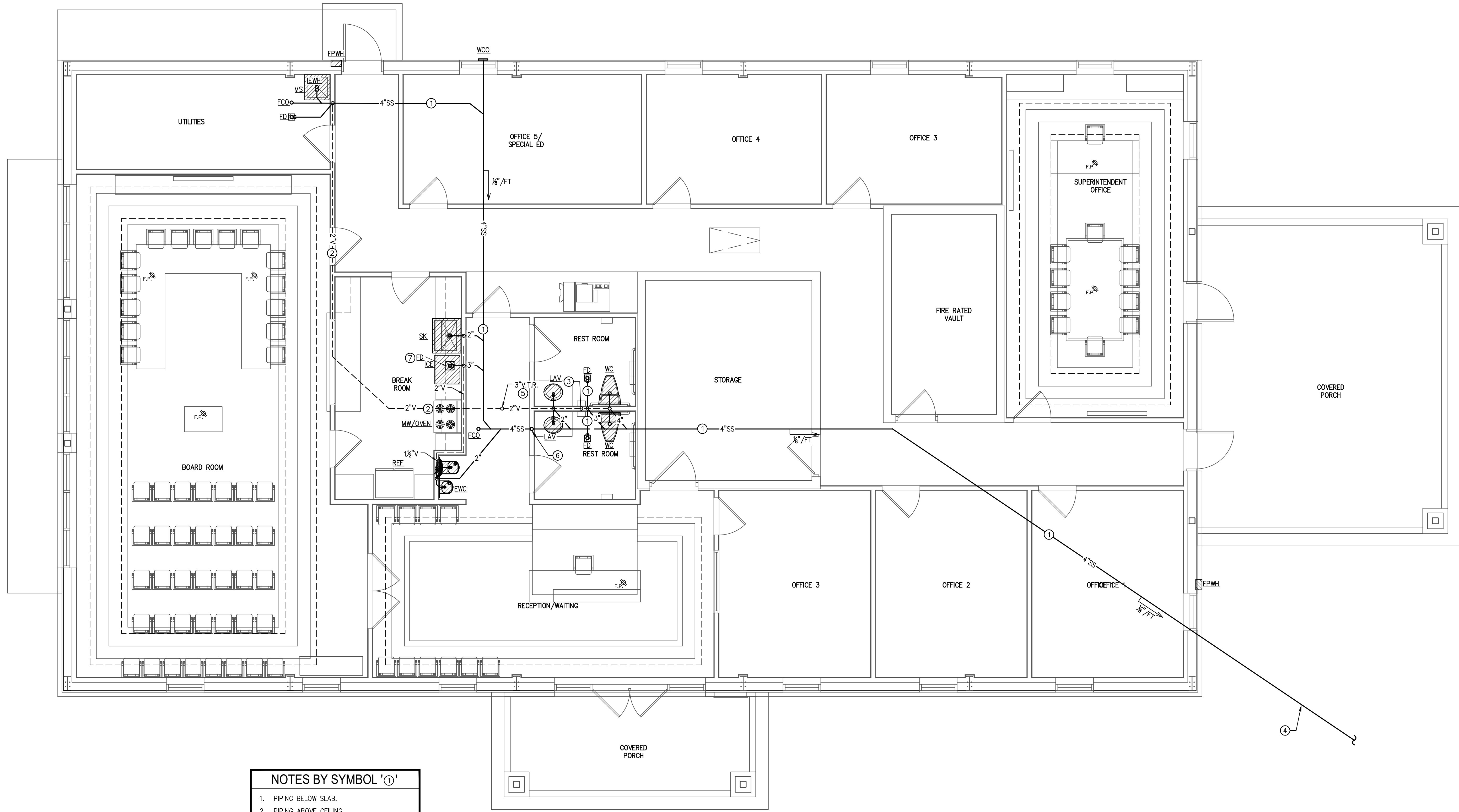
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FBF 7-01-2021

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P1



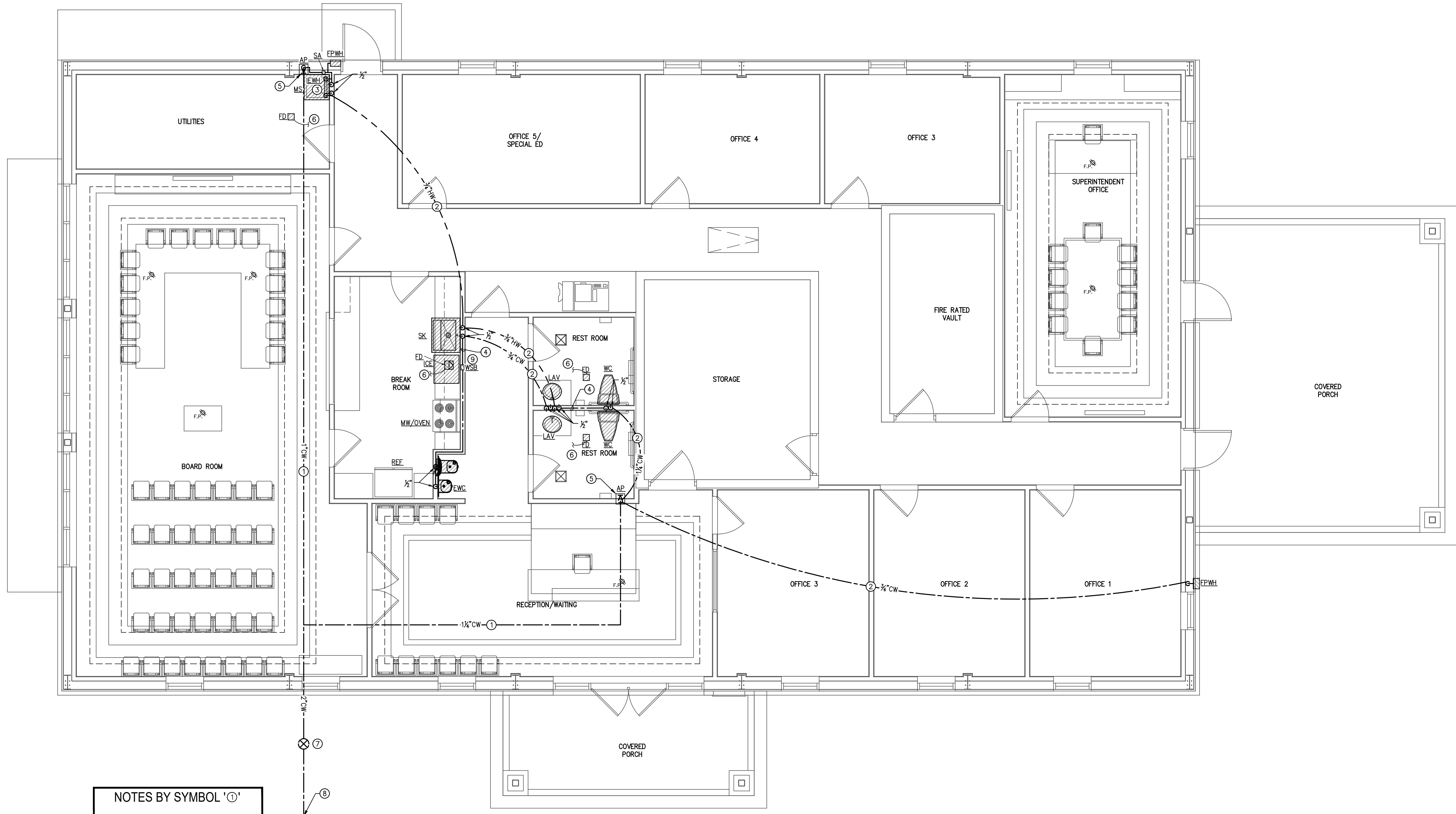
NOTES BY SYMBOL 'O'

1. PIPING BELOW SLAB.
2. PIPING ABOVE CEILING.
3. PIPING IN WALL.
4. TERMINATE AT SEWER PUMP. SEE UTILITY PLAN FOR CONTINUATION TO CONFIRM LOCATION.
5. ROUTE 3" V.T.R. UP THROUGH WALL SPACE, AVOID CENTER RIDGE OF BUILDING AND TERMINATE ABOVE ROOF.
6. ROUTE A/C CONDENSATE DOWN FROM CEILING SPACE, THRU WALL, AND TIE INTO 4"SS. PROVIDE CONDENSATE OVERFLOW SAFETY SWITCH ON DRAIN PAN OF AHU'S. SAFETY SWITCH TO DE-ENERGIZE UNIT WHEN SWITCHED.
7. INDIRECT DRAIN ICE MACHINE TO FLOOR DRAIN.

1 WASTE & VENT FLOOR PLAN
SCALE: 1/4"=1'-0"



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- NOTES BY SYMBOL '1'**
1. PIPING BELOW SLAB.
 2. PIPING ABOVE CEILING.
 3. INSTANTANEOUS WATER HEATER, WALL MOUNTED, SET TEMP TO 120°F.
 4. PIPING ROUTED IN WALL SPACE.
 5. DOMESTIC WATER RISER WITH SHUT-OFF VALVE IN WALL ACCESS PANEL.
 6. UNDERGROUND TRAP PRIMER LINE FROM CLOSEST LAV OR SINK INVERTED WYE TAILPIECE.
 7. CONNECT TO IN GROUND GATE VALVE INSTALLED BY UTILITY CONTRACTOR.
 8. REFER TO UTILITY PLAN FOR CONTINUATION, BFP DETAILS/LOCATION.
 9. PROVIDE WALL SUPPLY BOX 1/2" STUB OUT WITH BALL VALVE FOR EQUIPMENT CONNECTION.

1 WATER FLOOR PLAN
 SCALE: 1/4"=1'-0"

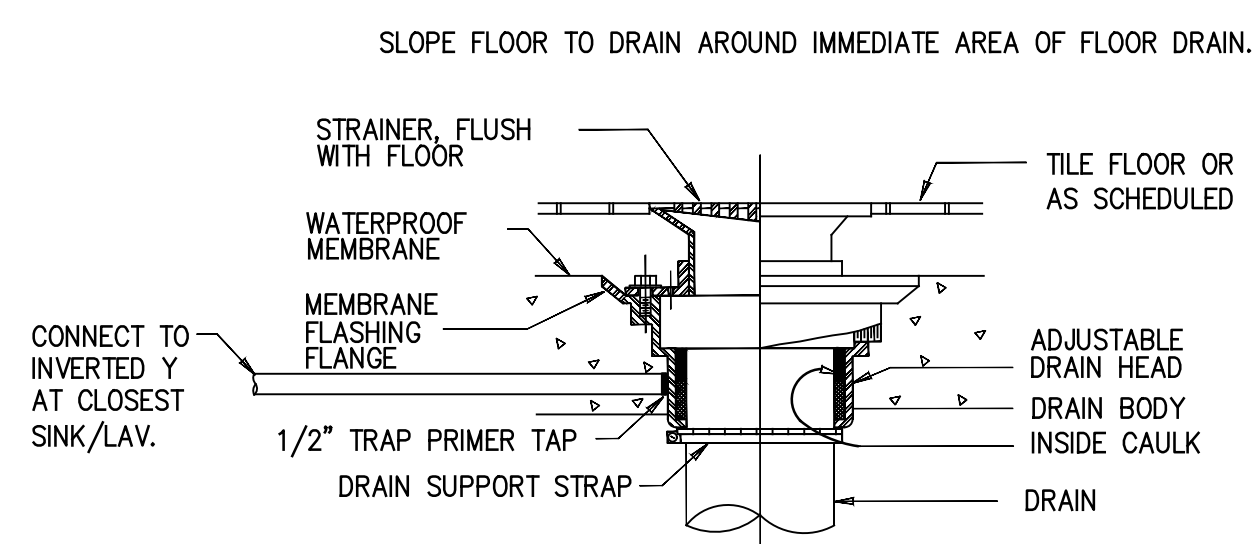
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 LICENSE # 14722
 DATE: 08/26/21

**2021 FRUITVALE ISD
 ADMINISTRATION BLDG
 FRUITVALE, TEXAS 75127
 WATER FLOOR PLAN**

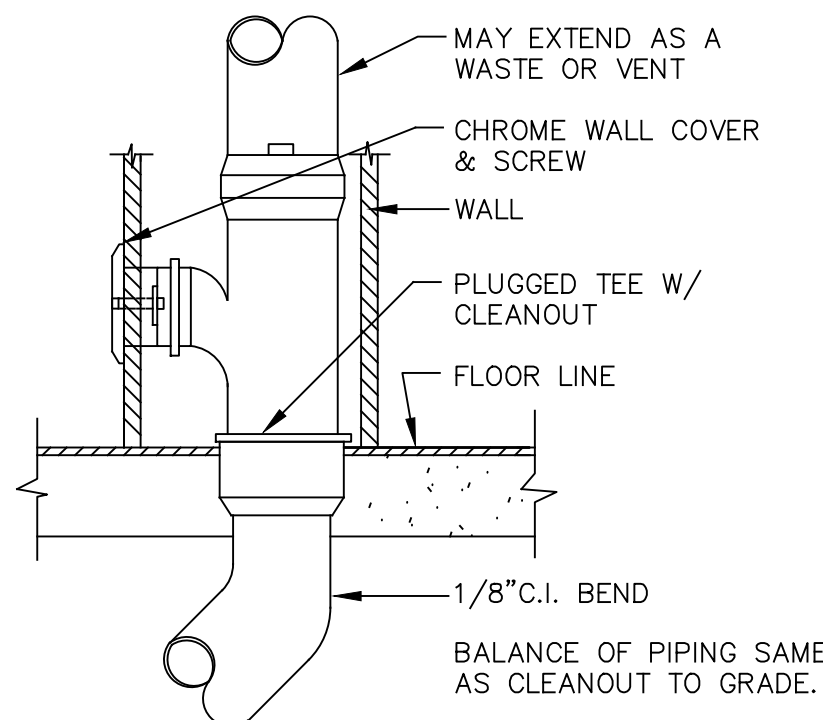


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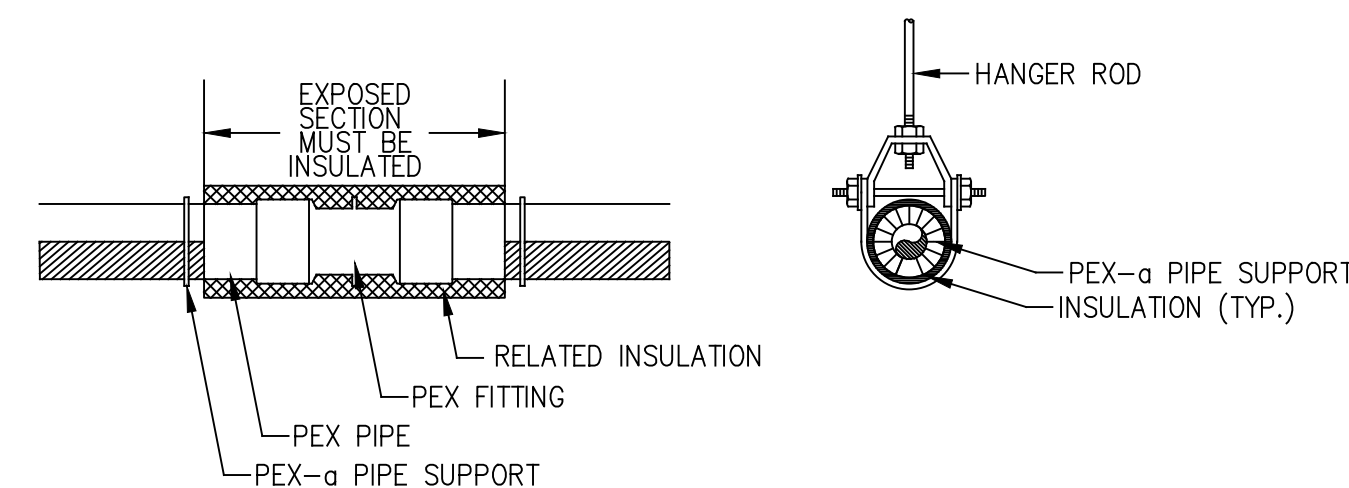
Job Number:
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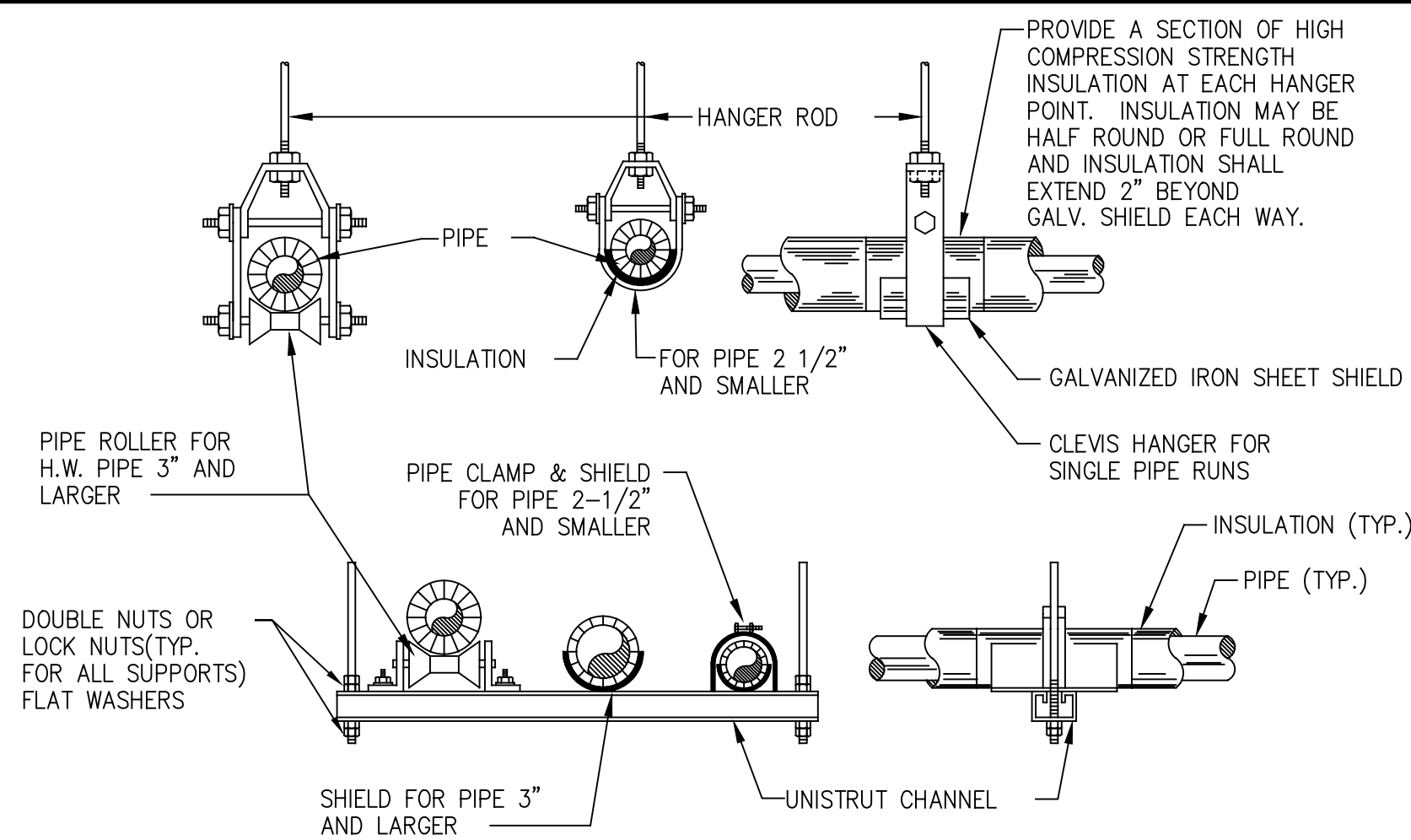
FLOOR DRAIN DETAIL
SCALE: NO SCALE



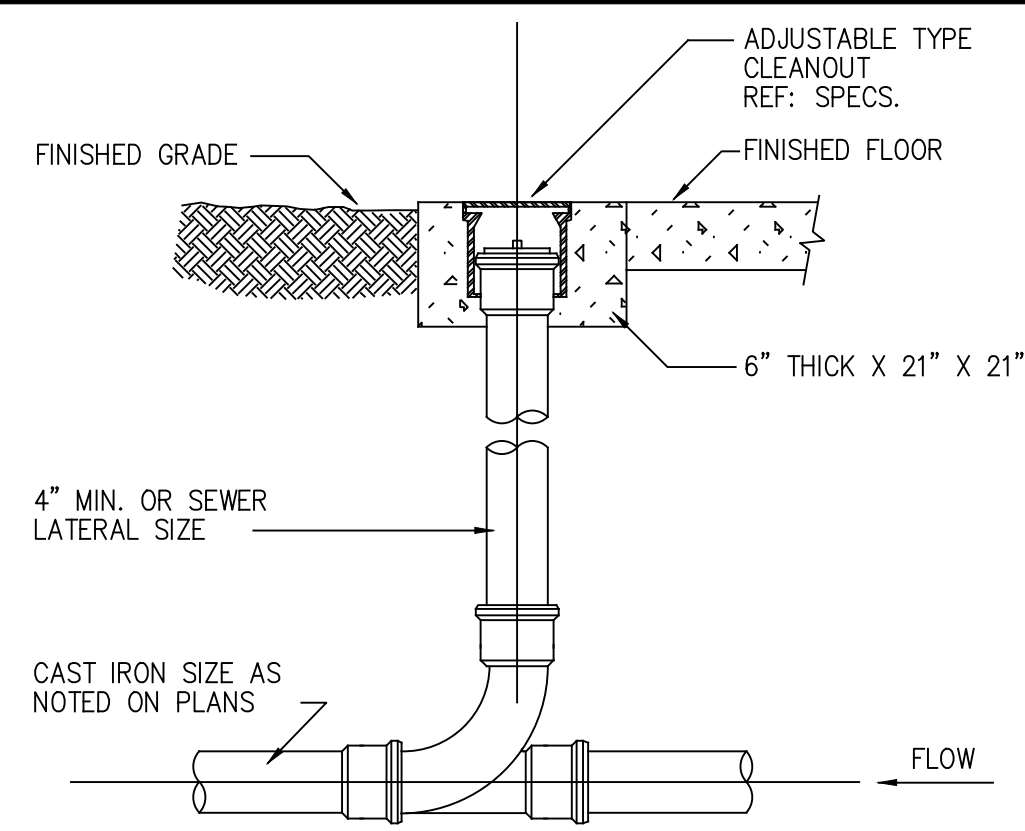
WALL CLEANOUT DETAIL
SCALE: NO SCALE



PEX-A PIPE SUPPORT DETAIL
SCALE: NO SCALE



PIPING HANGERS AND SUPPORT DETAIL
SCALE: NO SCALE



FLOOR GRADE CLEANOUT DETAIL
SCALE: NO SCALE

GENERAL NOTES

- HOT AND COLD WATER PIPING SHALL BE PEX PIPING AND FITTINGS AS MANUFACTURED BY WATTS OR OWNER APPROVED EQUAL. HOT AND COLD WATER PIPING SHALL BE INSULATED ABOVE AND BELOW GRADE WITH 1/2" ARMAFLEX (OR EQUAL) INSULATION.
- CONTRACTOR SHALL FURNISH AND INSTALL SHUT-OFF VALVES AT ALL HOT AND COLD WATER CONNECTIONS.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY FITTINGS & HARDWARE FOR CONNECTION OF NEW EQUIPMENT AND FIXTURES INCLUDING VACUUM BREAKERS, BACK FLOW PREVENTORS, ETC. AS REQUIRED BY CODE.
- WASTE AND VENT PIPING SHALL BE SCHD. 40 PVC. EXTERIOR ABOVE GRADE DW PIPING SHALL HAVE AN ALUMINUM JACKET.
- WASTE AND VENT PIPING MATERIALS, FITTINGS, ACCESSORIES AND THEIR INSTALLATION SHALL MEET ALL LOCAL CODE REQUIREMENTS.
- CONTRACTOR SHALL FURNISH AND INSTALL NECESSARY HANGER SUPPORTS, ACCESSORIES AND FITTINGS REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF THE PLUMBING SYSTEM AS REQUIRED BY CODE AND MANUFACTURER.
- CONTRACTOR SHALL COORDINATE NEW WORK WITH EXISTING UTILITIES AND OTHER TRADES.
- WATER SUPPLY, WASTE & VENT SYSTEMS SHALL BE PRESSURE TESTED AND INSPECTED BEFORE USE. SYSTEMS SHALL NOT BE CONCEALED PRIOR TO TESTING AND INSPECTING. PRESSURE TESTING REQUIREMENTS SHALL BE IN ACCORDANCE WITH LOCAL AND OR INTERNATIONAL CODE REQUIREMENTS. WATER SUPPLY SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE.
- PROVIDE CHROME-PLATED ESCUTCHEONS WITH SET SCREWS ON ALL PIPES PASSING THROUGH WALLS, FLOORS, OR CEILINGS OF FINISHED ROOMS.

LEGEND

FPWF	FREEZE PROOF WALL FAUCET
FD	FLOOR DRAIN
POC	POINT OF CONNECTION
FS	FLOOR SINK
MS	MOP SINK
LAV.	LAVATORY
UR.	URINAL
WC	WATER CLOSET
EWC	ELECTRIC WATER COOLER
GI	GREASE INTERCEPTOR
HS	HAND SINK
DW	DISHWASHER
IM	ICE MACHINE
AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
M	WATER METER
GMH	GAS WATER HEATER
FCO	FLOOR CLEANOUT
WCO	WALL CLEANOUT
GCO	GRADE CLEANOUT
TWCO	TWO WAY CLEANOUT
V.T.R.	VENT THRU ROOF
C.D.	CONDENSATE DRAIN
O.F.D.	OVER FLOW DRAIN
WSB	WATER SUPPLY BOX
SS	SANITARY SEWER LINE
GW	GREASE WASTE LINE
V	VENT LINE
GL	GAS LINE
FW	FILTERED WATER LINE
CW	COLD WATER LINE
HW	HOT WATER LINE (140°F.)
TW	TEMPERED WATER LINE (110°F.)
HWRL	HOT WATER RETURN LINE
BV	BALANCING VALVE
GV	GATE VALVE

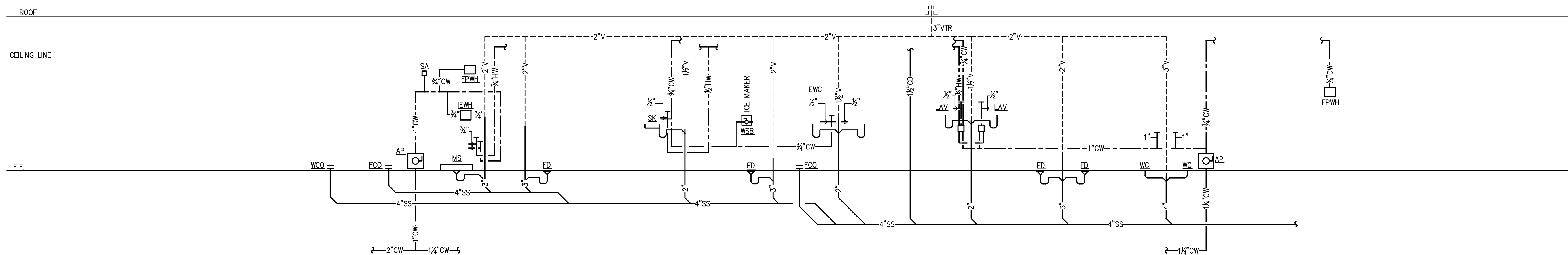
NOTE BY SYMBOL

FOR EQUIP. INFORMATION REFER TO PLUMBING FIXTURE SCHEDULE. NOTE BY SYMBOL INFORMATION REFER TO NOTES BY SYMBOL EACH SHEET.

PLUMBING FIXTURE SCHEDULE											
ITEM ID	FIXTURE DATA		CONNECTION DATA							REMARKS	
	EQUIP. & FIXTURES	MFG./MODEL #	S O I L	V E N T	T R A P	INDIRECT WASTE	WATER				GAS (CFH)
							CW	HW	TW		
IEWH	INSTANTANEOUS ELECTRIC WATER HEATER	RHEEM/ RTEX 13	-	-	-	-	1/2"	1/2"	-	-	INSTANTANEOUS ELECTRIC WATER HEATER. .3 TO 4 GPM, 8KW, 208/240V. SET AT 120°F MAX.
A.P.	ACCESS PANEL	ELMDOR/PW SERIES	-	-	-	-	1 1/2"	-	-	-	10"x10" SQUARE STAINLESS STEEL ACCESS PANEL.
FCO	FLOOR CLEANOUT	JOSAM/57000	-	-	-	-	-	-	-	-	COATED CAST IRON FLOOR CLEANOUT
SK	KITCHEN SINK ADA/TAS	ELKAY/DART CANYON SS/ELDSSF332790BG	2"	1 1/2"	2"	-	1/2"	1/2"	-	-	STAINLESS STEEL, 33"x27", 9 5/8" DEEP, 1-HOLE SINGLE BOWL FARMHOUSE ADA WITH WORKSHELF. KOHLER CRUE SINGLE HANDLE SINK FAUCET; VIBRANT STAINLESS. ELKAY LK99 DRAIN.
S.A.	SHOCK ABSORBER	JOSAM/75000-S	-	-	-	-	-	-	-	-	PDI SIZE B
FD	FLOOR DRAIN	JOSAM/30003-7A	3"	2"	3"	-	-	-	-	-	PROVIDE TRAP PRIMER TAP FED FROM INVERTED Y ON CLOSEST SINK/LAV.
FPWF	FREEZE PROOF WALL FAUCET	WOODFORD MODEL 30	-	-	-	-	3/4"	-	-	-	
EWC	ELEC. WATER COOLER	ELKAY/LZWS-EDFP217K	2"	1 1/2"	2"	-	1/2"	-	-	-	BI-LEVEL ADA COMPLIANT WATER COOLER WITH BOTTLE FILLING STATION.
WC	HANDICAPPED WATER CLOSET ADA/TAS	AMERICAN STANDARD/MADERA 3461.660	4"	2"	-	-	1"	-	-	-	HANDICAPPED VITREOUS CHINA FLUSH VALVE, FLOOR MTD. WATER CLOSET WITH ELONGATED SIPHON JET BOWL 1.6 GPF WITH SEAT MIN 17" AND MAX 19" AFF. FURNISH COMPLETE WITH A.S. 5901.100 OPEN FRONT TOILET SEAT, SELECTRONIC FLUSH VALVE.
WCO	WALL CLEANOUT	JOSAM/58600	-	-	-	-	-	-	-	-	
LAV	HANDICAPPED LAVATORY ADA/TAS	AMERICAN STANDARD/AQUALYN 0476.028	2"	1 1/2"	1 1/2"	-	1/2"	1/2"	-	-	VITREOUS CHINA COUNTERTOP SINK. AMERICAN STANDARD INNSBROOK SELECTRONIC FAUCET BATTERY POWERED (6053.205 WITH OPTIONAL MIXING VALVE 6053TMV1070). OFFSET TAILPIECE MCGUIRE CHROME SUPPLIES. LOOSE KEY ANGLE STOPS, 1 1/2"x1 1/2" C.P. 17 GAUGE ADJUSTABLE P-TRAP WITH CLEANOUT AND CHROME SET SCREW ESCUTCHEONS THROUGH WALL. "TRUBRO LAV-GAURD" INSULATION KIT NO. 101. INSTALLATION SHALL COMPLY WITH ADA REQUIREMENTS
MS	MOP SINK	FIAT/MSB2424	3"	2"	3"	-	3/4"	3/4"	-	-	MOLDED-STONE MOP SERVICE BASIN, WHITE WITH STAINLESS STEEL STRAINER, DRAIN BODY AND LINT BASKET. WITH FIAT B30-AA COMBINATION FITTING WITH VACUUM BREAKER, 3/4" HOSE THREAD ON SPOUT, PAIL HOOK, WITH LEVER HANDLES, INTEGRAL STOPS, AND WALL BRACE.
WSB	WATER SUPPLY BOX	OATEY/37899	-	-	-	-	1/2"	-	-	-	TAILPIECE F1807 PEX (BRASS), 3/8" OD COMPRESSION OUTLET.

NOTES:

- ALL PLUMBING FIXTURES SHALL MEET LOW WATER CONSUMPTION REQUIREMENTS.
- PLUMBING CONTRACTOR SHALL PROVIDE SHUT-OFF VALVES AND STOPS AT ALL FIXTURES.
- PLUMBING CONTRACTOR SHALL PROVIDE ALL ADA LAVATORIES WITH OFFSET DRAIN CONNECTIONS TO ENSURE ADA/TAS COMPLIANCE.
- PLUMBING CONTRACTOR SHALL PROVIDE ALL ADA SINKS WITH OFF-CENTERED DRAIN OPENINGS TO ENSURE ADA/TAS COMPLIANCE.
- PLUMBING CONTRACTOR SHALL INSTALL FLUSH CONTROL LEVERS/HANDLES ON WIDE SIDE FOR ALL WATER CLOSETS TO ENSURE ADA/TAS COMPLIANCE.
- PLUMBING CONTRACTOR SHALL INSTALL TRUEBRO (SUPPLY AND DRAIN) PIPE COVERS ON ALL SINKS AND LAVATORIES (IF REMOVABLE PROTECTIVE SKIRT/PANEL NOT PROVIDED BY ARCHITECT) TO ENSURE ADA/TAS COMPLIANCE.
- PLUMBING CONTRACTOR SHALL INSTALL ALL PLUMBING FIXTURES ACCORDING TO AND/OR IN COMPLIANCE WITH ADA/TAS REQUIREMENTS AND GUIDELINES. PLUMBING CONTRACTOR SHALL COORDINATE ROUGH-IN DIMENSIONS AND MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS BEFORE PURCHASING ANY FIXTURES AND ACCESSORIES AND BEFORE PROCEEDING WITH CONSTRUCTION.
- COORDINATE AND VERIFY COLOR SELECTIONS AND FINISH OPTIONS WITH OWNER BEFORE PURCHASING ANY FIXTURES, TRIM AND ACCESSORIES.
- OTHER MANUFACTURERS OF PLUMBING PRODUCTS ARE ACCEPTABLE, MANUFACTURERS SHOWN ARE USED TO SET STANDARD OF QUALITY.



PLUMBING RISER
SCALE: NTS



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1	08-26-2021

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