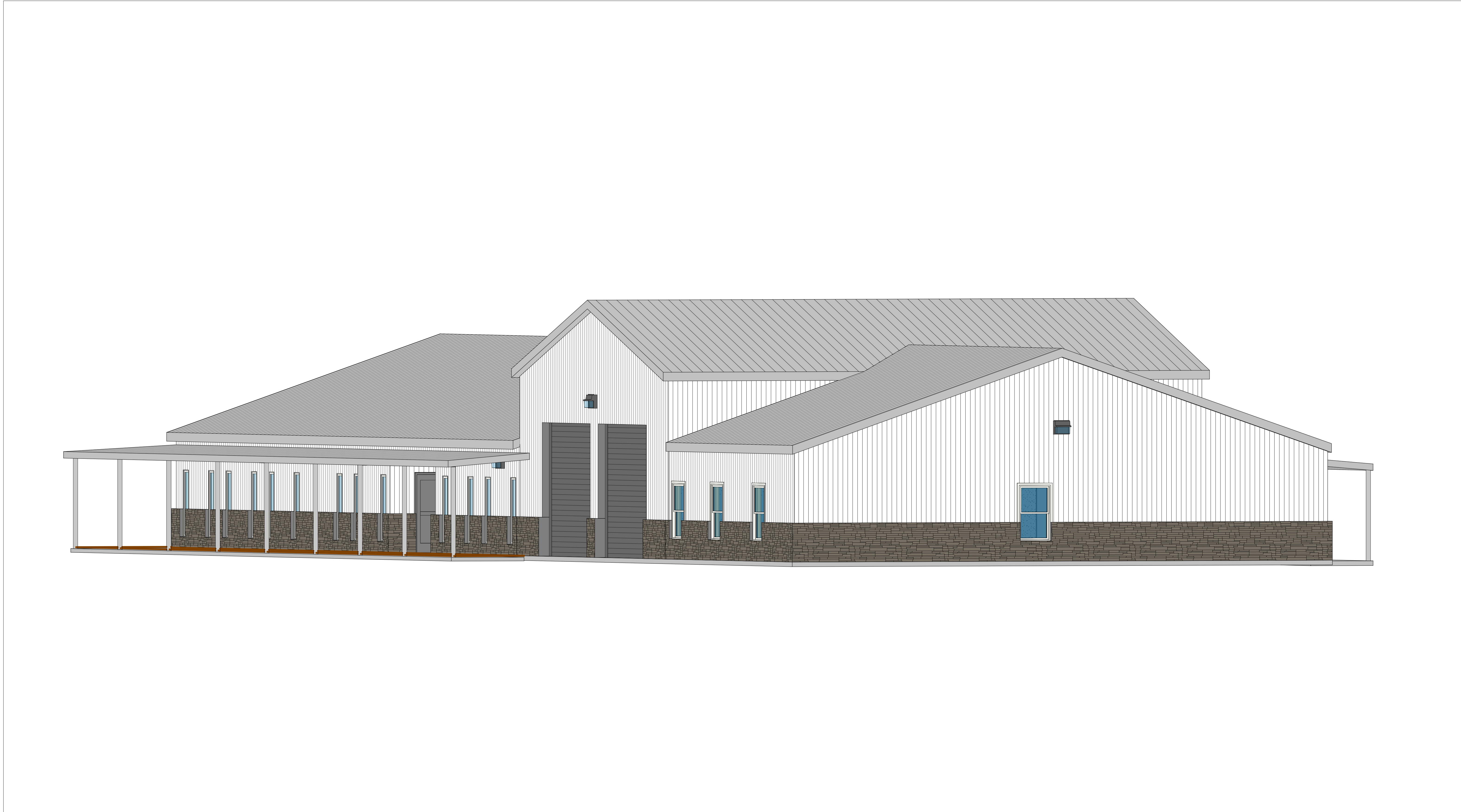
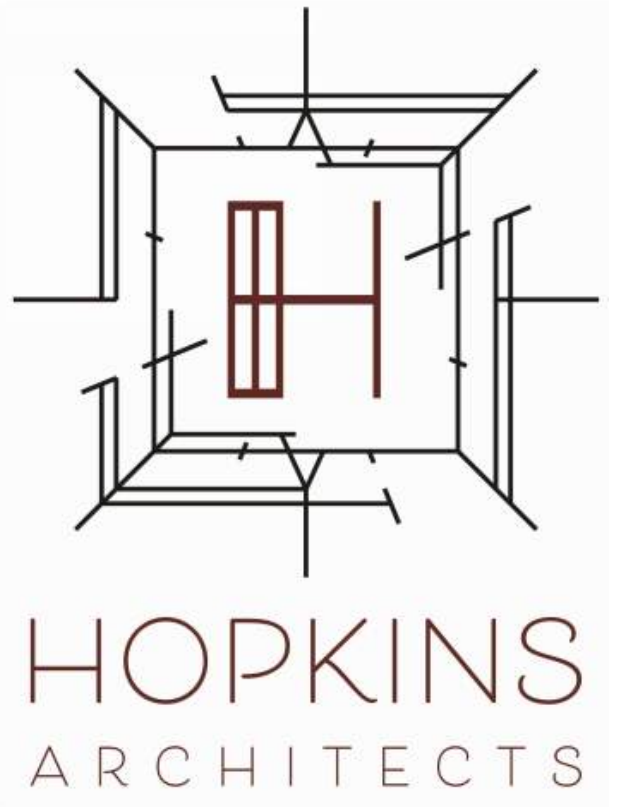


POSSUM KINGDOM EAST AMBULANCE STATION/ MEDICAL CLINIC

55 FM 2353 GRAFORD TEXAS



OWNER
PALO PINTO COUNTY EMERGENCY SERVICES DISTRICT 1
P.O. BOX 480
PALO PINTO, TEXAS 76484



ARCHITECT
HOPKINS ARCHITECTS
103 S. OAKE AVENUE, SUITE 209
MINERAL WELLS, TX 76067



CIVIL
EIKON CONSULTING GROUP, LLC
1405 W. CHAPMAN ROAD
SANGAR, TEXAS 76266

STRUCTURAL
EIKON CONSULTING GROUP, LLC
1405 W. CHAPMAN ROAD
SANGAR, TEXAS 76266

MEP
EIKON CONSULTING GROUP, LLC
1405 W. CHAPMAN ROAD
SANGAR, TEXAS 76266

CONSTRUCTION DOUCUMENTS



PROJECT NO. 02001-00-01
DATE: 09/08/2020

LEGEND

AMBULANCE STATION & CLINIC
POSSUM KINGDOM LAKE EAST, GRAFARD, TX
CLIENT: PPC EMERGENCY SERVICES DISTRICT NO.1

MATERIALS			
	CONCRETE / PRECAST CONCRETE		GYPSUM BOARD
	SOIL		EXTERIOR GYPSUM SHEATHING
	SAND, EIFS FINISH COAT, OR CEMENT PLASTER		EXTERIOR CEMENT BOARD
	BRICK		COATED GLASS MAT WATER RESISTANT GYP BD
	CMU		PLYWOOD
	STONE		COVER BOARD
	GLASS MINERAL FIBER BATT INSULATION		
	GLASS MINERAL FIBER SEMI RIGID INSULATION		
	MINERAL WOOL, SEMI RIGID INSULATION		
	EXPANDED POLYSTYRENE RIGID INSULATION		
	EXTRUDED POLYSTYRENE RIGID INSULATION		
	POLYISOCYANURATE RIGID INSULATION		

DRAWING SYMBOLS			
ROOM NAME XXXXX	ROOM NAME/NUMBER		001 MEDICAL EQUIPMENT
	EXISTING COLUMN CENTERLINE		PARTITION TYPE WITH NO SOUND ATTENUATION
	COLUMN CENTERLINE		PARTITION TYPE WITH SOUND ATTENUATION
	ACCESSORY		BUILDING EXPANSION JOINT
	DEMOLITION NUMBERED NOTES		CMU WALL
	BUILDING WALL SECTION		NEW WALL
	PLAN, BLOW-UP DETAIL		EXISTING WALL
	CEILING HEIGHT		DEMO WALL

CEILING SYMBOLS			
	GYP BD CEILING		WALL MOUNTED FLUORESCENT FIXTURE
	SUPPLY AIR		EXIT SIGNS - HATCH INDICATES EXIT TEXT AND ARROW INDICATES DIRECTION
	RETURN AIR		SPEAKER
	EXHAUST AIR		PROJECTOR
	ACCESS PANEL		WALL WASHER
	FLUORESCENT LIGHT		PENDANT TYPE LIGHT FIXTURE
	SUSPENDED LIGHT		WALL MOUNTED LIGHT FIXTURE
	SUSPENDED FLUORESCENT LIGHT		DOWNLIGHT
	CHANDELIER		STRIP LIGHT

SHEET NO.	SHEET NAME	SHEET ISSUE STATUS	DATE
00.01	COVER	CONSTRUCTION DOCUMENTS	09/09/2020
00.02	PROJECT INFORMATION	CONSTRUCTION DOCUMENTS	09/09/2020
00.03	LIFE SAFETY PLAN	CONSTRUCTION DOCUMENTS	09/09/2020
INDEX OF DRAWINGS - CIVIL			
SHEET NO.	SHEET NAME	SHEET ISSUE STATUS	DATE
C1.0	SURVEY	CONSTRUCTION DOCUMENTS	09/09/2020
C2.0	EXISTING CONDITION & DEMOLITION PLAN	CONSTRUCTION DOCUMENTS	09/09/2020
C3.0	EROSION CONTROL PLAN	CONSTRUCTION DOCUMENTS	09/09/2020
C4.0	SITE PLAN	CONSTRUCTION DOCUMENTS	09/09/2020
C5.0	GRADING PLAN	CONSTRUCTION DOCUMENTS	09/09/2020
C6.0	DRAINAGE AREA MAPS	CONSTRUCTION DOCUMENTS	09/09/2020
C7.0	UTILITY PLAN	CONSTRUCTION DOCUMENTS	09/09/2020
C8.0	PAVING PLAN	CONSTRUCTION DOCUMENTS	09/09/2020
C9.0	SITE DETAILS	CONSTRUCTION DOCUMENTS	09/09/2020
C10.0	SITE DETAILS	CONSTRUCTION DOCUMENTS	09/09/2020
INDEX OF DRAWINGS - STRUCTURAL			
SHEET NO.	SHEET NAME	SHEET ISSUE STATUS	DATE
S1.1	FOUNDATION PLAN AND NOTES	CONSTRUCTION DOCUMENTS	09/09/2020
S2.1	FOUNDATION TYPICAL DETAILS	CONSTRUCTION DOCUMENTS	09/09/2020
S3.1	FOUNDATION SECTIONS	CONSTRUCTION DOCUMENTS	09/09/2020
INDEX OF DRAWINGS - ARCHITECTURAL			
SHEET NO.	SHEET NAME	SHEET ISSUE STATUS	DATE
A1.01	ARCHITECTURAL SITE PLAN	CONSTRUCTION DOCUMENTS	09/09/2020
A1.02	ARCHITECTURAL SITE DETAILS	CONSTRUCTION DOCUMENTS	09/09/2020
A2.01	OVERALL FLOOR PLAN	CONSTRUCTION DOCUMENTS	09/09/2020
A2.02	ROOF PLAN & DETAILS	CONSTRUCTION DOCUMENTS	09/09/2020
A3.10	ENLARGED FLOOR PLANS	CONSTRUCTION DOCUMENTS	09/09/2020
A4.01	WALL TYPES & DETAILS	CONSTRUCTION DOCUMENTS	09/09/2020
A4.30	ADAMA TOILET LAYOUTS AND STD ACCESSORIES	CONSTRUCTION DOCUMENTS	09/09/2020
A5.01	DOOR SCHEDULE	CONSTRUCTION DOCUMENTS	09/09/2020
A5.30	CASEWORK DETAILS	CONSTRUCTION DOCUMENTS	09/09/2020
A5.51	CASEWORK	CONSTRUCTION DOCUMENTS	09/09/2020
A6.01	INTERIOR FINISHED SCHEDULE	CONSTRUCTION DOCUMENTS	09/09/2020
A6.01	REFLECTED CEILING PLAN	CONSTRUCTION DOCUMENTS	09/09/2020
A6.51	EXTERIOR ELEVATIONS	CONSTRUCTION DOCUMENTS	09/09/2020
A6.61	PROSPECTIVE	CONSTRUCTION DOCUMENTS	09/09/2020
A6.61	WALL SECTIONS	CONSTRUCTION DOCUMENTS	09/09/2020
INDEX OF DRAWINGS - MECHANICAL			
SHEET NO.	SHEET NAME	SHEET ISSUE STATUS	DATE
M6.1	MECHANICAL SYMBOLS & ABBREVIATIONS	CONSTRUCTION DOCUMENTS	09/09/2020
M6.1	FLOOR PLAN - MECHANICAL	CONSTRUCTION DOCUMENTS	09/09/2020
M6.1	MECHANICAL DETAILS	CONSTRUCTION DOCUMENTS	09/09/2020
M6.1	MECHANICAL SCHEDULES	CONSTRUCTION DOCUMENTS	09/09/2020
INDEX OF DRAWINGS - ELECTRICAL			
SHEET NO.	SHEET NAME	SHEET ISSUE STATUS	DATE
E1.1	SITE PLAN - ELECTRICAL	CONSTRUCTION DOCUMENTS	09/09/2020
E1.2	SITE PLAN - PHOTO MOUNTED	CONSTRUCTION DOCUMENTS	09/09/2020
E2.1	FLOOR PLAN - POWER	CONSTRUCTION DOCUMENTS	09/09/2020
E2.2	FLOOR PLAN - HVAC POWER	CONSTRUCTION DOCUMENTS	09/09/2020
E3.1	ELECTRICAL DETAILS	CONSTRUCTION DOCUMENTS	09/09/2020
E3.1	ELECTRICAL SCHEDULES	CONSTRUCTION DOCUMENTS	09/09/2020
E3.2	ELECTRICAL RISER DIAGRAM	CONSTRUCTION DOCUMENTS	09/09/2020
E3.3	FLOOR PLAN - LIGHTING PLAN	CONSTRUCTION DOCUMENTS	09/09/2020
INDEX OF DRAWINGS - PLUMBING			
SHEET NO.	SHEET NAME	SHEET ISSUE STATUS	DATE
P1.1	PLUMBING SYMBOLS & ABBREVIATIONS	CONSTRUCTION DOCUMENTS	09/09/2020
P2.1	BELOW FLOOR PLAN - PLUMBING	CONSTRUCTION DOCUMENTS	09/09/2020
P2.2	ABOVE FLOOR PLAN - PLUMBING	CONSTRUCTION DOCUMENTS	09/09/2020
P5.1	PLUMBING DETAILS	CONSTRUCTION DOCUMENTS	09/09/2020



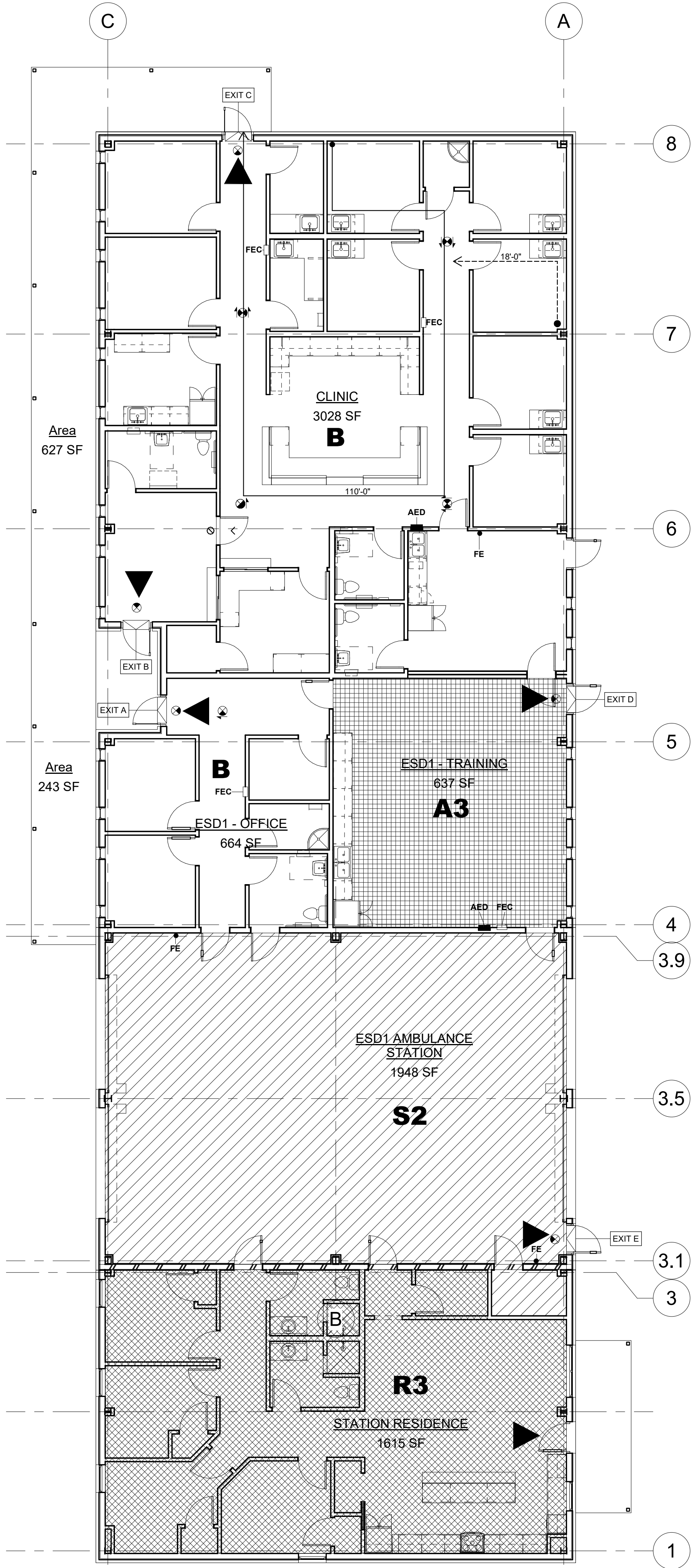
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 Hopkins Architects
 103 S. Oak Avenue, Suite 209
 Mineral Wells, Texas 76067

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REVISION NO.	DESCRIPTION	DATE
HA PROJECT NUMBER		
01921-00-00		
DATE		
09/08/2020		
ISSUE		
CONSTRUCTION		
DOCUMENTS		
SHEET TITLE		
PROJECT		
INFORMATION		
SHEET NO.		



1 LIFE SAFETY PLAN
1/8" = 1'-0"

GENERAL BUILDING OCCUPANT LOAD (TABLE 1004.1.2)

OCCUPANCY - BUSINESS - CLINIC	(B) (100 GROSS)	3,028 SF/ 100 =	30 OCCUPANT LOAD
OCCUPANCY - BUSINESS - ESD1	(B) (100 GROSS)	664 SF/ 100 =	7 OCCUPANT LOAD
OCCUPANCY - ASSEMBLY - ESD1	(A3)(15 NET)	637 SF/ 15 =	43 OCCUPANT LOAD
OCCUPANCY - STORAGE	(S2)(200 GROSS)	1,948 SF/ 200 =	10 OCCUPANT LOAD
OCCUPANCY - RESIDENTIAL	(R3)(200 GROSS)	1,615 SF/ 200 =	8 OCCUPANT LOAD
			98 TOTAL LOAD

COMMON PATH OF EGRESS TRAVEL - SECTION 1014.3 (TABLE 1014.3)

BUSINESS MAXIMUM DISTANCE - 100 FEET ≤ 30 OCCUPANT LOAD

BUSINESS MAXIMUM DISTANCE - 75 FEET >30 OCCUPANT LOAD

EXIT ACCESS TRAVEL DISTANCE - (TABLE 1016.2)

BUSINESS MAXIMUM TRAVEL DISTANCE
NON-SPRINKLER - 200 FEET

LIFE SAFETY LEGEND:

EXIT SIGN: HATCH INDICATES TEXT AND ARROW INDICATES DIRECTION		FIRE EXTINGUISHER SEMI-RECESSED CABINET/ WALL MOUNTED	
EXIT SYMBOL		SEMI-RECESSED AUTOMATED EXTERNAL DEFIBRILLATOR CABINET	

OCCUPANCY TYPE LEGEND:

	BUSINESS (B)		ASSEMBLY (A3)
	STORAGE (S2)		RESIDENCE (R3)

MEANS OF EGRESS SIZING - (SECTION 1005)					
DOOR EXIT SUMMARY					
EXIT TYPE	EXIT	EXIT FACTOR	WIDTH PROVIDED IN INCHES	WIDTH REQUIRED IN INCHES	CAPACITY IN PERSONS
DOOR	A	.2	34"	10"	170
DOOR	B	.2	34"	6"	170
DOOR	C	.2	34"	6"	170
DOOR	D	.2	34"	10"	170
DOOR	E	.2	34"	2"	170
DOOR	F	.2	34"	2"	170

AMBULANCE STATION & CLINIC
POSSUM KINGDOM LAKE EAST, GRAFARD, TX
CLIENT: PPC EMERGENCY SERVICES DISTRICT NO.1

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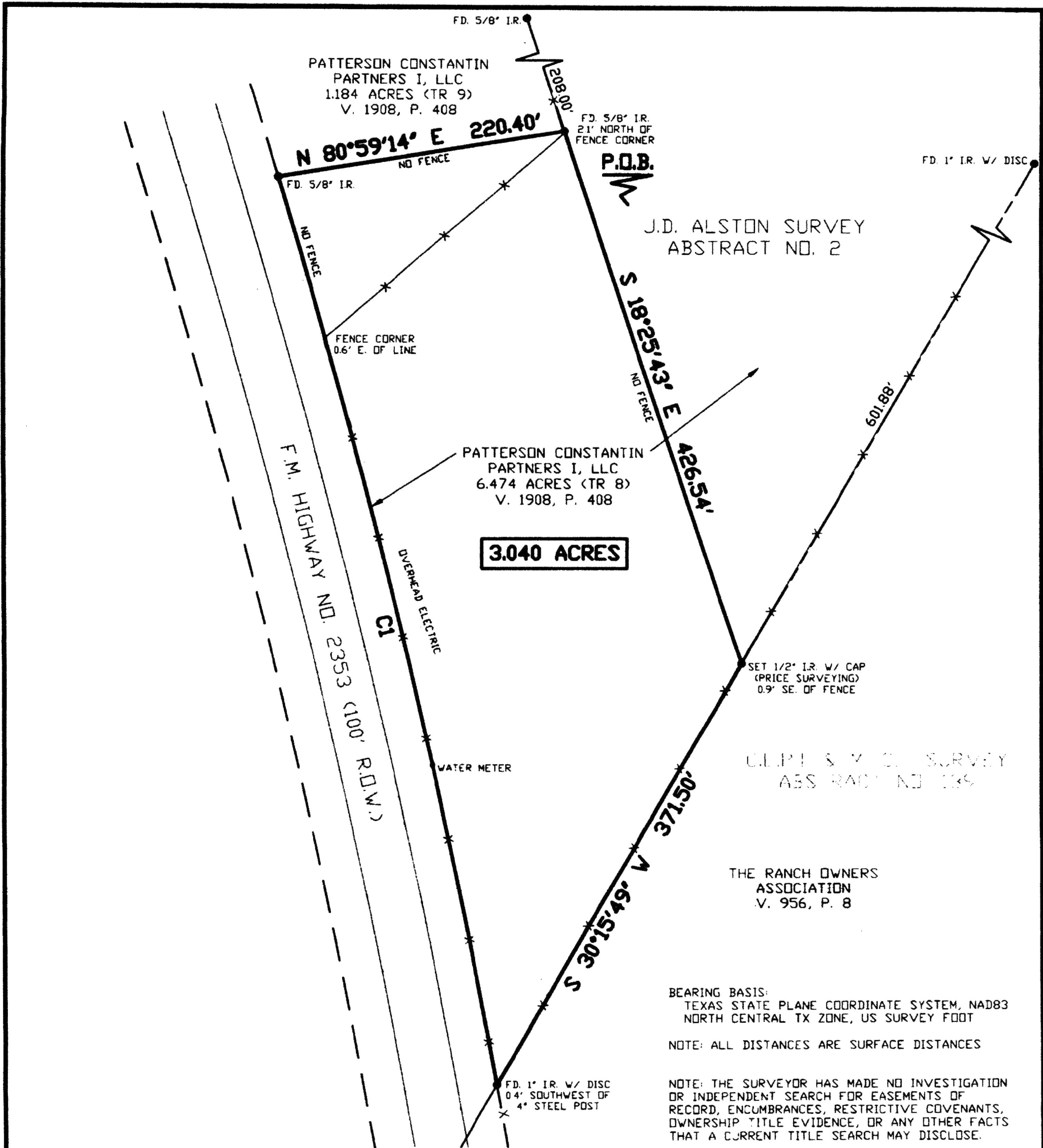
REVISION NO.	DESCRIPTION	DATE

HA PROJECT NUMBER
01921-00-00
DATE
09/08/2020
ISSUE
CONSTRUCTION DOCUMENTS

SHEET TITLE
LIFE SAFETY PLAN

SHEET NO.
A0.03

AMBULANCE STATION & CLINIC
POSSUM KINGDOM LAKE EAST, GRAFARD, TX
CLIENT: PPC EMERGENCY SERVICES DISTRICT NO.1



CURVE	DEGREE OF CURVE	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH	ARC LENGTH
C1	0°59'28"	5780.21'	7°02'50"	N 13°27'07" W	710.50'	713.95'

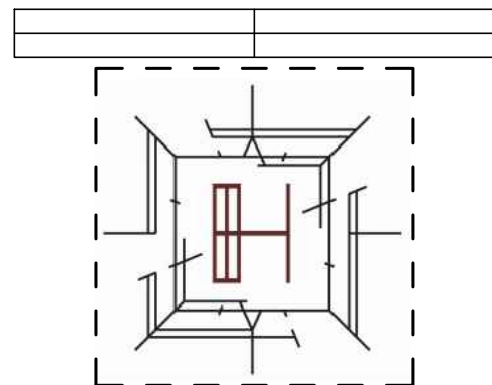
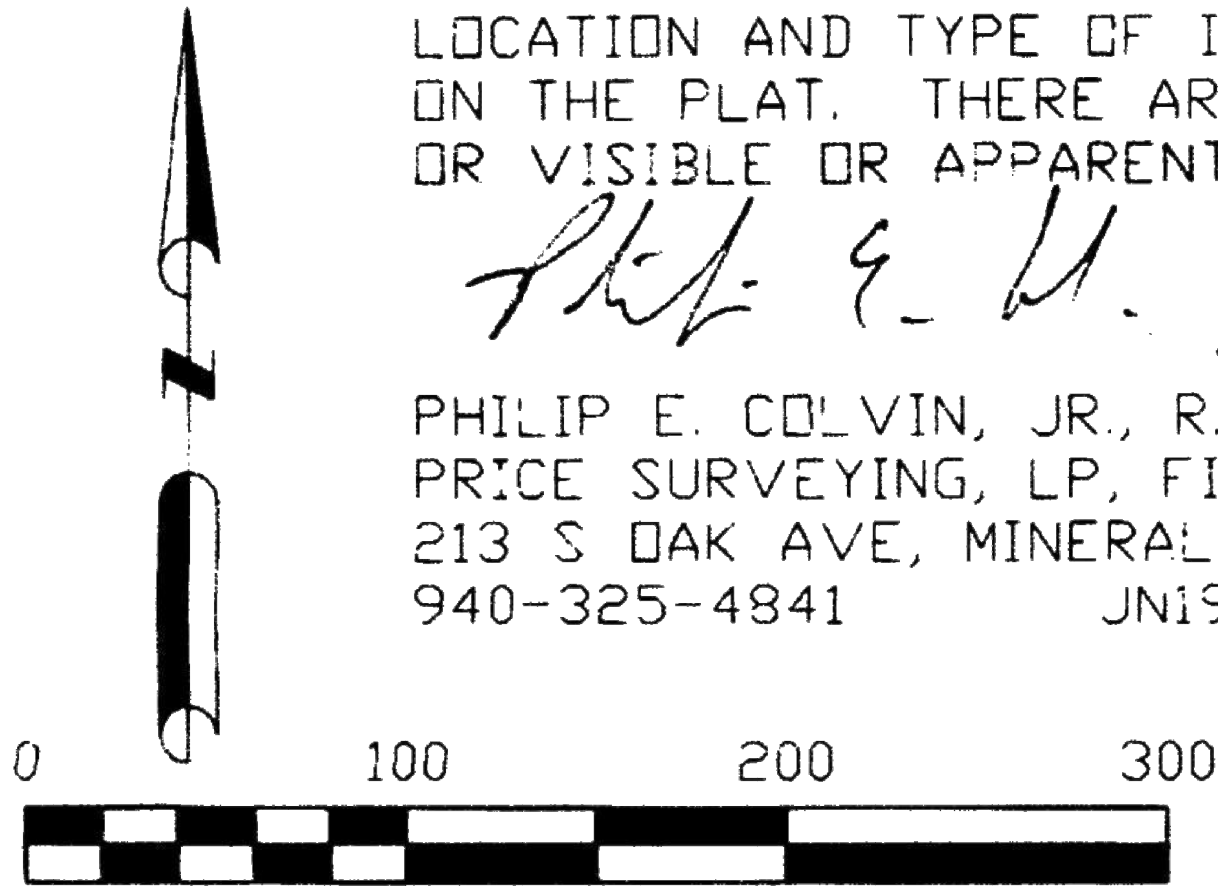
PLAT OF SURVEY AND IMPROVEMENTS

OF A 3.040 ACRES TRACT OF LAND OUT OF THE J.D. ALSTON SURVEY, ABSTRACT NO. 2, PALO PINTO COUNTY, TEXAS

THIS PLAT REPRESENTS A SURVEY MADE ON THE GROUND BY ME OR UNDER MY DIRECT SUPERVISION ON AUGUST 5, 2019. THE DIMENSIONS, CALLS, SIZE, LOCATION AND TYPE OF IMPROVEMENTS ARE TRUE AND CORRECT AS SHOWN ON THE PLAT. THERE ARE NO ENCROACHMENTS, CONFLICTS, PROTRUSIONS OR VISIBLE OR APPARENT EASEMENTS, EXCEPT AS SHOWN ON THE PLAT.

Philip E. Colvin, Jr.

PHILIP E. COLVIN, JR., R.P.L.S. NO. 6258
PRICE SURVEYING, LP, FIRM #10034200
213 S OAK AVE, MINERAL WELLS, TX 76067
940-325-4841 JN19761 FN190817



ARCHITECT/ INTERIOR

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STRUCTURAL:

ELKON CONSULTING GROUP
1405 W. CHAPMAN DRIVE
SANGER, TX 76266

REVISION NO. DESCRIPTION DATE

HA PROJECT NUMBER
01921-00-00

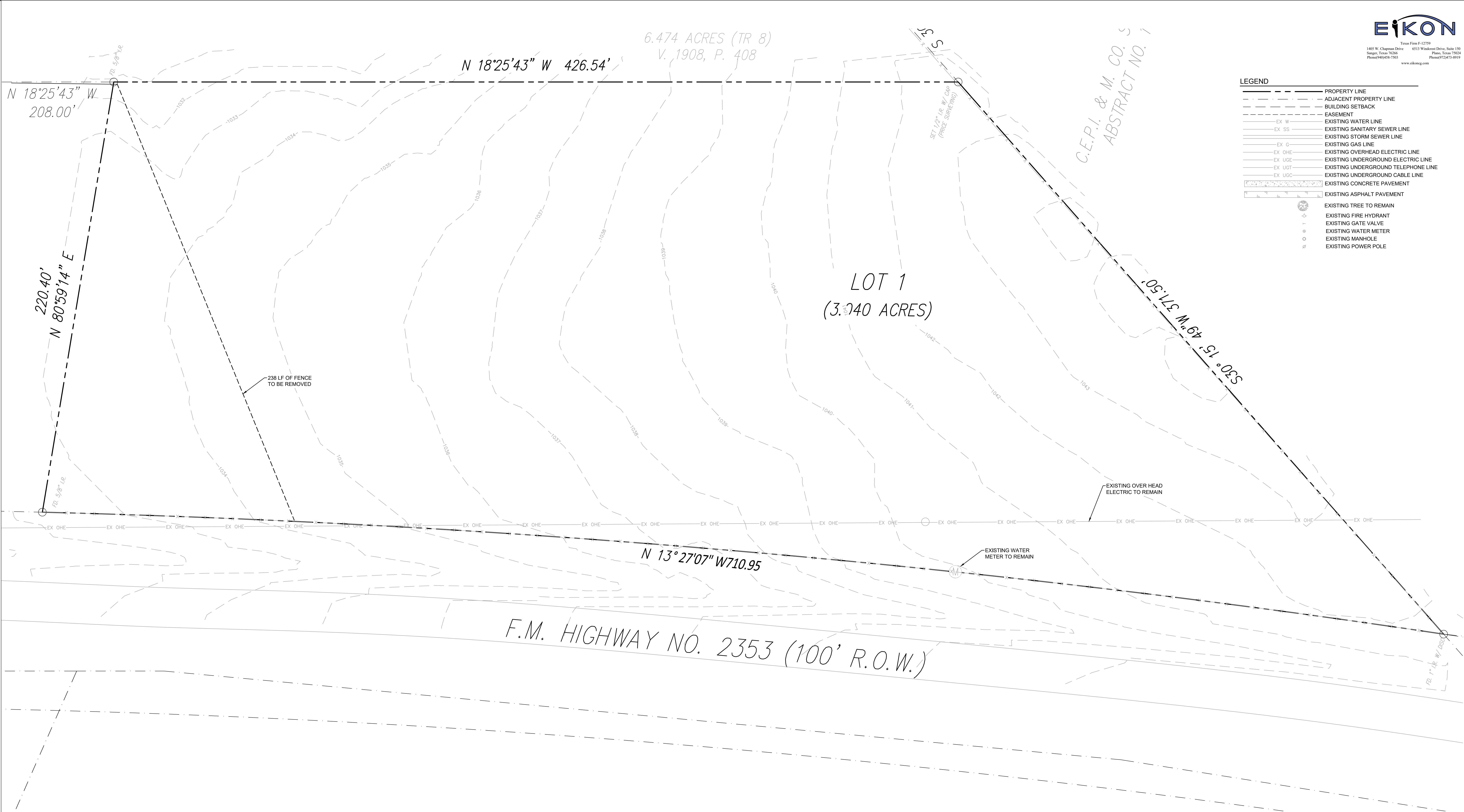
DATE
09/08/2020

ISSUE
CONSTRUCTION DOCUMENTS

SHEET TITLE
PLAT

SHEET NO.

C1.0



1 EXISTING CONDITION & DEMOLITION PLAN

SCALE: 1"=20'
0 20 40 Feet

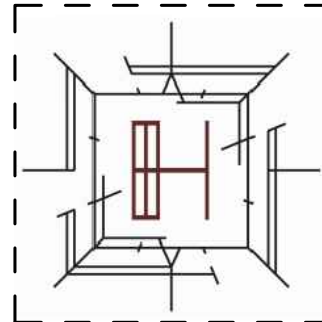
DEMOLITION NOTES

1. CONTRACTOR SHALL VERIFY BOTH THE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES PRIOR TO DEMOLITION.
2. UTILITY RELOCATIONS OR REMOVALS SHALL BE COORDINATED WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO ANY DEMOLITION WORK BEING PERFORMED. NOTIFY UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO WORK.
3. UTILITY LINES, STRUCTURES, AND EQUIPMENT NOT SPECIFICALLY ADDRESSED IN THE PLANS SHALL BE CONSIDERED TO REMAIN IN PLACE. IN THE EVENT OF CONFLICTS WITH THE PROPOSED WORK, THE CONTRACTOR SHALL NOTIFY THE ENGINEER. NO WORK SHALL PROCEED UNTIL CONFLICTS ARE RESOLVED.
4. ALL CURBS, SIDEWALKS, PARKING LOT PAVING, AND STRIPING NOT SHOWN TO BE REMOVED OR REPLACED SHALL BE REPAIRED IF DAMAGED.
5. SURVEY BY PRICE SURVEYING, LP FIRM NO: 10034200, PERFORMED 01-28-2020.



LEGEND	
	PROPERTY LINE
	ADJACENT PROPERTY LINE
	BUILDING SETBACK
	EASEMENT
	EXISTING WATER LINE
	EXISTING SANITARY SEWER LINE
	EXISTING STORM SEWER LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING UNDERGROUND ELECTRIC LINE
	EXISTING UNDERGROUND TELEPHONE LINE
	EXISTING UNDERGROUND CABLE LINE
	EXISTING CONCRETE PAVEMENT
	EXISTING ASPHALT PAVEMENT
	EXISTING TREE TO REMAIN
	EXISTING FIRE HYDRANT
	EXISTING GATE VALVE
	EXISTING WATER METER
	EXISTING MANHOLE
	EXISTING POWER POLE

AMBULANCE STATION & CLINIC POSSUM KINGDOM LAKE EAST, GRAFARD, TX CLIENT: PPC EMERGENCY SERVICES DISTRICT NO.1



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SANGER, TX 76266

STRUCTURAL:
ELKON CONSULTING GROUP
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SANGER, TX 76266

REVISION
NO. DESCRIPTION DATE

HA PROJECT NUMBER
01921-00-00

DATE
09/08/2020

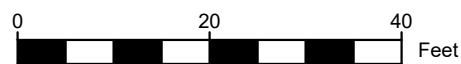
ISSUE
CONSTRUCTION DOCUMENTS

SHEET TITLE
EXISTING CONDITION & DEMOLITION PLAN
SHEET NO.

C2.0



SCALE: 1"=20'

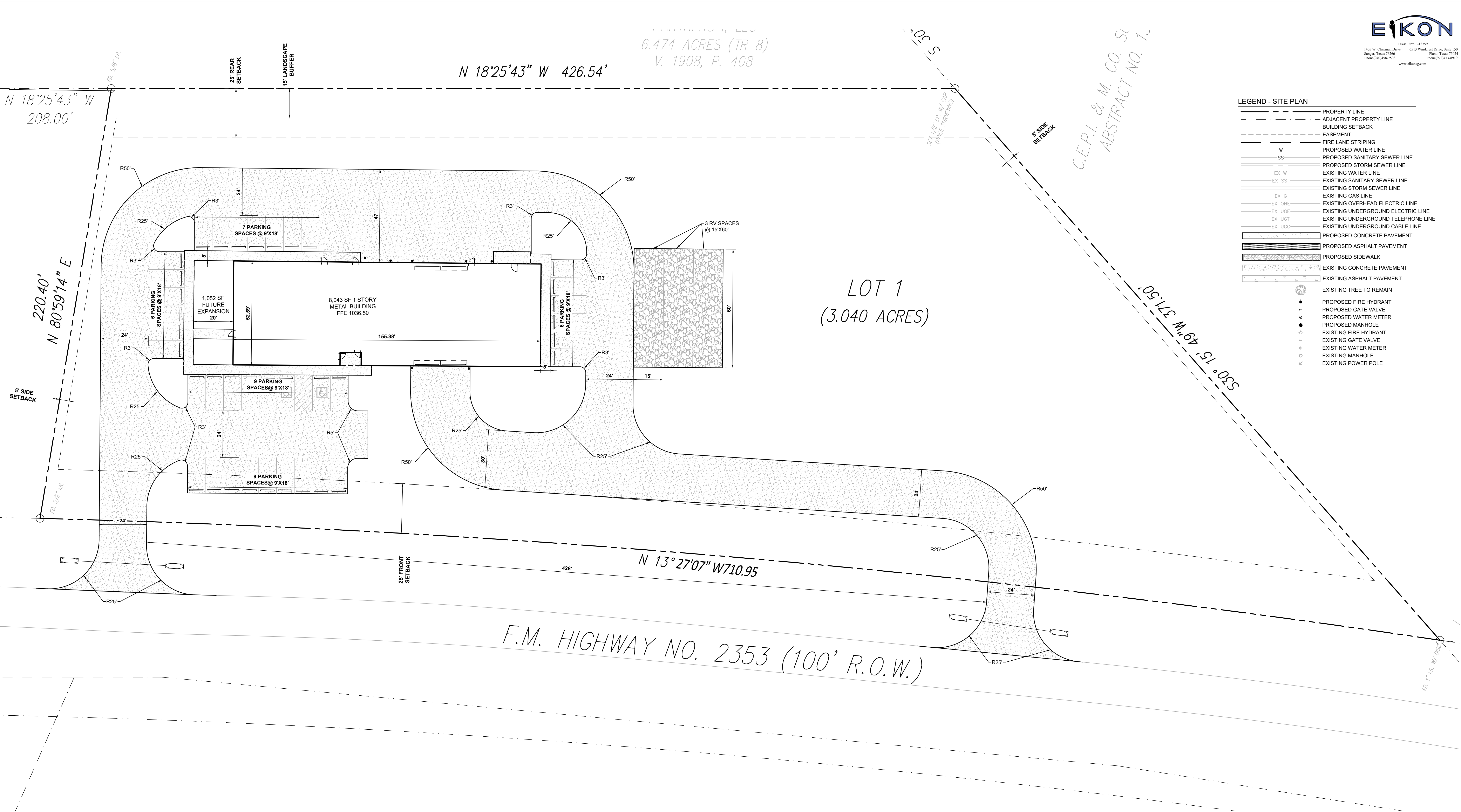


EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER ABOVE OR PUBLIC, PRIOR TO EXCAVATING. THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UTILITIES SHALL BE THE BASIS FOR THE CONTRACTOR'S DESIGN AND CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL INFORMATION AND DATA FURNISHED BY THE OWNERS OF SUCH UNDERGROUND FACILITIES OR ON PHYSICAL APPEARANCES OBSERVED IN THE FIELD. THE OWNER AND ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA, AND THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR VERIFYING AND CORRECTING ALL SUCH INFORMATION AND DATA, FOR LOCATING ALL UNDERGROUND FACILITIES, FOR COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES DURING CONSTRUCTION, FOR THE PROTECTION AND PROTECTION OF SUCH FACILITIES, AND FOR THE RESULTS THEREOF. THE COST OF THE WORK, THE COST OF ALL OF WHICH WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES AT LEAST 14 DAYS PRIOR TO BEGINNING CONSTRUCTION.
2. EROSION CONTROL MEASURES MAY ONLY BE PLACED IN FRONT OF INLETS, OR IN CHANNELS, DRAINAGEWAYS OR BORROW DITCHES AT RISK OF CONSTRUCTION. CONTRACTOR SHALL REMAIN LIABLE FOR ANY DAMAGE TO EXISTING UTILITIES OR FACILITIES CAUSED BY EROSION CONTROL MEASURES TO BLOCKED DRAINAGE, AT THE CONCLUSION OF ANY PROJECT, ALL CHANNELS, DRAINAGEWAYS AND BORROW DITCHES IN THE WORK ZONE SHALL BE SLOPED OF ANY SEDIMENT GENERATED BY THE PROJECT OR DEPOSITED AS A RESULT OF EROSION CONTROL MEASURES.
3. EROSION CONTROL MEASURES SHALL NOT CONFLICT WITH ANY APPROVAL, TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES, (INCLUDING STORM WATER POLLUTION PREVENTION PLAN), THE GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO THE APPROVED TIDES SWPPP DRAWINGS DURING CONSTRUCTION.
4. PRIOR TO COMMENCING ANY CONSTRUCTION, A CONSTRUCTION ENTRANCE AND PERIMETER SILT FENCE SHALL BE INSTALLED AT THE LOCATIONS SHOWN, OR AS DESCRIBED IN THE SWPPP.
5. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE EROSION CONTROL SYSTEM DRAWINGS. THE CONTRACTOR SHALL SUBMIT EROSION CONTROL DOCUMENTS BEING CONSIDERED TO REPRESENT THE MINIMUM ACCEPTABLE STANDARDS FOR THIS PROJECT. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DEPENDENT UPON THE STAGE OF CONSTRUCTION, THE SEVERITY OF THE RAINFALL, EVEN AND/OR AS DEEMED NECESSARY AS A RESULT OF ON-SITE INSPECTIONS BY THE OWNER, THEIR REPRESENTATIVES OR THE JURISDICTIONAL AUTHORITIES. THESE ADDITIONAL MEASURES SHALL BE INSTALLED AT NO ADDITIONAL COST TO THE OWNER. IT IS THE CONTRACTOR'S ULTIMATE RESPONSIBILITY TO ASSURE THAT THE STORM WATER DISCHARGE FROM THE SITE DOES NOT EXCEED THE TOLERANCE ESTABLISHED BY ANY OF THE JURISDICTIONAL AUTHORITIES.
6. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
7. AS INLETS ARE COMPLETED, TEMPORARY SEDIMENT BARRIERS SHALL BE INSTALLED.
8. THE SPECIFIC PLANT MATERIALS PROPOSED TO PROTECT FILL AND EXCAVATED SLOPES SHALL BE AS INDICATED WITHIN THE SWPPP. PLANT MATERIALS MUST BE SUITABLE FOR USE UNDER LOCAL CLIMATE AND SOIL CONDITIONS. IN GENERAL, HYPOCHOERIS OR SODDING BERMUDA GRASS IS ACCEPTABLE DURING THE SUMMER MONTHS (MAY 1 TO AUGUST 30). WINTER RYE OR FESCUE GRASS MAY BE PLANTED DURING TIMES OTHER THAN THE SUMMER MONTHS AS A TEMPORARY MEASURE UNTIL SUCH TIME AS THE PERMANENT PLANTING CAN BE COMPLETED.
9. SILT FENCE AND INLET SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL REVEGETATION HAS BEEN COMPLETED.
10. DISTURBED AREAS THAT ARE SEEDED OR SODDED SHALL BE CHECKED PERIODICALLY TO SEE THAT GRASS COVERAGE IS PROPERLY MAINTAINED. DISTURBED AREAS SHALL BE WATERED, FERTILIZED, AND RESEEDED OR RESODDED, IF NECESSARY. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEASURES NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION. CONTRACTOR SHOULD ATTEMPT TO COVER WITH 7.5% BERMUDA COVERING SEEDING OR SODDING OVER ALL AFFECTED CONSTRUCTION AREAS BEFORE EROSION CONTROL CAN BE REMOVED.
11. FREQUENT INSPECTIONS OF THE SILT FENCE SHALL BE MADE. ALL REPAIRS OR REPLACEMENTS SHALL BE MADE IMMEDIATELY.
12. THE CONTRACTOR SHALL INSPECT HIS STABILIZATION AND EROSION CONTROL MEASURES AT MINIMUM OF ONCE EVERY 14 DAYS, AND WITHIN 24 HOURS OF ANY STORM EVENT GREATER THAN 0.5 INCHES. THE CONTRACTOR SHALL REPAIR INADEQUACIES REVEALED BY THE INSPECTION BEFORE THE NEXT STORM EVENT. AND SHALL MONITOR THE SWPPP WITHIN 7 DAYS OF THE INSPECTION. ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF WHEN IT REACHES A DEPTH OF SIX (6) INCHES.
13. CONTRACTOR IS RESPONSIBLE FOR PREPARING, FILL, & MAINTAINING THE SWPPP & THE NOI. WHERE SILT MULCH CAN NOT BE USED, THE CONTRACTOR MAY SUBSTITUTE WITH THE FOLLOWING:
- 10% HEAVY SEDIMENT FILTER FABRIC (10GA)
 - TEXAS POWER FULFCH MULCH FILLED FILTER SOCK
14. THE CONTRACTOR SHALL REFER TO EROSION CONTROL NARRATIVE AND SWPPP FOR ADDITIONAL INFORMATION AND PROCEDURES FOR OTHERS FOR APPROPRIATE EROSION CONTROL MEASURES AND PROCEDURES FOR THIS PROJECT.
- EXISTING THESE PL...
IF SHAL...
BOTH H...
CONSTRU...
TO PROT...
DAMAGE

!!!CAUTION!!!
48 HOURS BEFORE YOU
CALL TEXAS 811

!!!CAUTION EXISTING UTILITIES !!!
 ES AND UNDERGROUND FACILITIES
 VE BEEN LOCATED FROM REFERENCE
 THE RESPONSIBILITY OF THE CONTRACTOR
 TALLY AND VERTICALLY THE LOCATIONS
 ES AND UNDERGROUND FACILITIES
 TO TAKE THE NECESSARY PRECAUTIONS
 ALL FACILITIES ENCOUNTERED. THE CONTRACTOR
 VE AND PROTECT ALL EXISTING UTILITIES
 CONSTRUCTION.



1 SITE PLAN
SCALE: 1"=20'
0 20 40 Feet

SITE PLAN NOTES

- PROPOSED USE IS EMERGENCY SERVICES
- SITE TOPOGRAPHIC INFORMATION WAS PREPARED BY PRICE SURVEY, LP
FIRM # 10034200
JANUARY 28, 2020
- ACCORDING TO THE FLOOD INSURANCE RATE MAPS FOR PALO PINTO COUNTY MAP NUMBER 4835020150F EFFECTIVE APRIL 5, 2019 NO PORTION OF THIS PROPERTY IS LOCATED WITHIN THE SPECIAL FLOOD HAZARD AREA.
- ALL EXISTING UNDERGROUND FEATURES SUCH AS SEPTIC TANKS, LEACH FIELDS, SANITARY SEWERS, ETC. ARE APPROXIMATE ONLY AND ARE INDICATED FOR GENERAL REFERENCE AND DESIGN UNLESS OTHERWISE NOTED.
- SEE SITE CIVIL DRAWINGS FOR ADDITIONAL GRADING, PAVING, UTILITY, AND EROSION CONTROL INFORMATION.
- CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SIDEWALKS, EXIT PORCHES, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
- ALL DIMENSIONS AND RADII ARE TO THE BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY RELOCATIONS, INCLUDING BUT NOT LIMITED TO: UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS, TRAFFIC POLES, UTILITY POLES, ETC. CONTRACTOR SHALL COORDINATE UTILITY RELOCATIONS WITH THE UTILITY PROVIDER.
- ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH.
- CONTRACTOR SHALL ACQUIRE ALL NECESSARY PERMITS FROM THE PALO PINTO COUNTY AND/OR TxDOT BEFORE CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY.
- CONTRACTOR SHALL INCLUDE ALL COST OF PERMITS AND COMPLIANCE WITH LOCAL REGULATION IN THE BID.
- WORK IN PRIVATE PROPERTY: THE CONTRACTOR SHALL OBTAIN WRITTEN AUTHORIZATION FROM THE OWNER PRIOR TO BEGINNING WORK IN ANY PRIVATELY OWNED AREAS WHICH WILL REQUIRE EASEMENTS FOR CONSTRUCTION.
- BUILDING SILL ELEVATIONS AND SEWER INVERTS ARE APPROXIMATE AND SHOULD BE CONFIRMED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK.
- PRIVATE SEWER SERVICE LINES & LATERALS SHALL COMPLY WITH INTERNATIONAL PLUMBING CODE.
4" TO 6" LINES SHALL HAVE MINIMUM SLOPE OF $\frac{1}{8}$ " PER FOOT (1.00%)
8" AND LARGER LINES SHALL HAVE MINIMUM SLOPE OF $\frac{1}{4}$ " PER FOOT (0.50%)
WHERE POSSIBLE, 4" LINES SHALL HAVE SLOPE OF 2.00%

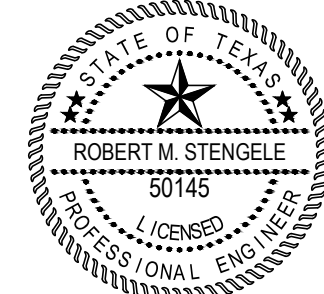
- PROGRESSION OF WORK: IN GENERAL WORK SHALL PROCEED FROM THE DOWNSTREAM END TO THE UPSTREAM END FOR ALL GRAVITY-FLOW UTILITIES.
- THE MAXIMUM LENGTH OF OPEN TRENCH SHALL BE LIMITED TO NO MORE THAN THREE PIPE LENGTHS FOR SANITARY SEWER AND STORM DRAIN SEGMENTS. TRENCHING MAY BE LEFT OPEN OVERNIGHT IF PROPERLY BARRICADED TO PREVENT PEDESTRIAN ACCESS.
 - THE MINIMUM TRENCH WIDTH SHOULD BE NO LESS THAN 24 INCHES OR ONE FOOT GREATER THAN OUTSIDE DIAMETER OF THE PIPE, WHICHEVER IS GREATER. BACKFILL OF UTILITY TRENCHES SHALL COMPLY WITH MCT-COG SPECIFICATIONS.
 - THE TYPICAL DEPTH OF COVER ABOVE THE TOP OF PIPE FOR WATER LINE INSTALLATIONS SHALL BE 4 FEET.



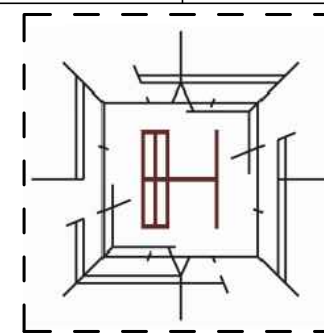
LEGEND - SITE PLAN

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- BUILDING SETBACK
- EASEMENT
- FIRE LANE STRIPING
- PROPOSED WATER LINE
- PROPOSED SANITARY SEWER LINE
- PROPOSED STORM SEWER LINE
- EXISTING WATER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING STORM SEWER LINE
- EXISTING GAS LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING UNDERGROUND CABLE LINE
- PROPOSED CONCRETE PAVEMENT
- PROPOSED ASPHALT PAVEMENT
- PROPOSED SIDEWALK
- EXISTING CONCRETE PAVEMENT
- EXISTING ASPHALT PAVEMENT
- EXISTING TREE TO REMAIN
- PROPOSED FIRE HYDRANT
- PROPOSED GATE VALVE
- PROPOSED WATER METER
- PROPOSED MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING GATE VALVE
- EXISTING WATER METER
- EXISTING MANHOLE
- EXISTING POWER POLE

AMBULANCE STATION & CLINIC
POSSUM KINGDOM LAKE EAST, GRAFORD, TX
CLIENT: PPC EMERGENCY SERVICES DISTRICT NO.1



09/08/2020



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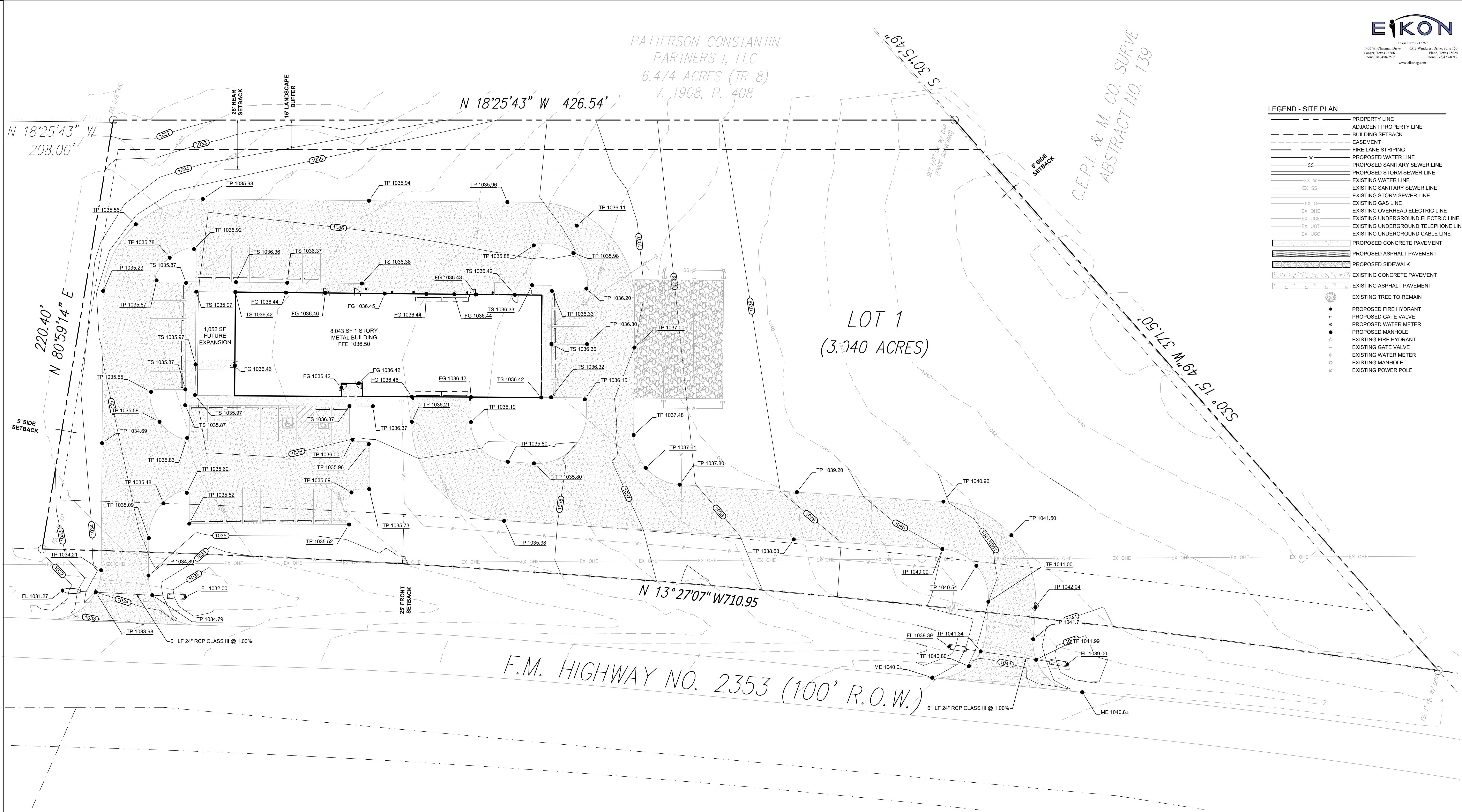
MEP:
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C4.0



GRADING PLAN

SCALE: 1"=20'



SOIL PREPARATION AND GRADING NOTES

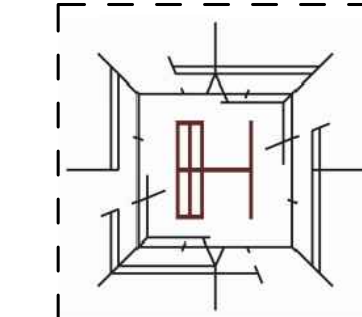
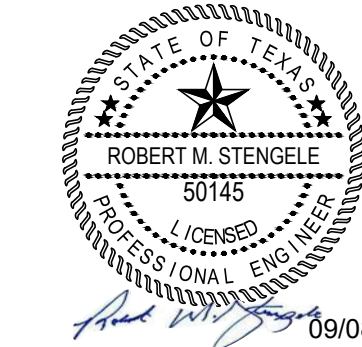
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PRIVATE OR PUBLIC. PRIOR TO EXCAVATING, THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AT OR CONTIGUOUS TO THE SITE IS APPROXIMATE AND BASED ON THE INFORMATION AND DATA FURNISHED BY THE OWNERS OF SUCH UNDERGROUND FACILITIES OR ON PHYSICAL APPEARANCES OBSERVED IN THE FIELD. THE OWNER AND ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA, AND THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, FOR LOCATING ALL UNDERGROUND FACILITIES, FOR COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES DURING CONSTRUCTION, FOR THE SAFETY AND PROTECTION THEREOF, AND REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK. THE COST OF ALL OF WHICH WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION AND IS RESPONSIBLE FOR COSTS INCURRED BY PROCEEDING WITH ELEVATIONS OF EXISTING UTILITIES THAT DIFFER FROM THOSE PRESENTED ON THESE PLANS. DISCREPANCIES SHALL BE PRESENTED TO THE ENGINEER FOR REVIEW PRIOR TO PROCEEDING WITH WORK. CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES, AGENCIES AND/OR ENGINEER AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
2. THE SOIL BENEATH THE PAVEMENT SHALL BE TREATED AS FOLLOWS:
 - A. REMOVE ALL VEGETATION, ORGANIC MATERIAL OR OTHER DELETERIOUS MATERIALS.
 - B. PERFORM ANY CUT OPERATIONS AS NEEDED AND PROOF ROLL THE PAVEMENT AREAS WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK. ANY AREAS WHICH RUT EXCESSIVELY OR PUMP SHALL BE UNDERCUT AND REPLACED WITH COMPACTED FILL.
 - C. PERFORM ALL FILL OPERATIONS. ALL FILL SHALL BE INSTALLED IN MAXIMUM 8 INCH LIFTS AND COMPACTED BETWEEN 95% AND 100% OF STANDARD PROCTOR AT A MOISTURE CONTENT AT OR ABOVE OPTIMUM.
 - D. DO NOT USE ANY SAND AS FILL UNDER THE PAVEMENT.
 - E. ANY IMPORTED FILL SHALL BE SIMILAR TO THE ON SITE SOILS AND APPROVED BY EIKON CONSULTING GROUP.
 - F. THE FOLLOWING TESTS SHALL BE RUN PER 5000 SQUARE FEET OR 300 LINEAR FEET. DENSITY AND MOISTURE CONTROL.
3. SITE SHALL BE GRADED TO ASSURE DRAINAGE OF SURFACE WATER FROM BUILDINGS.
4. REMOVE EXCESS SPOIL FROM THE SITE AND LEGALLY DISPOSE OF THE SOILS.
5. GRADES NOT OTHERWISE INDICATED ON THE PLANS SHALL BE UNIFORMLY SLOPED BETWEEN POINTS WHERE ELEVATIONS ARE GIVEN. ABRUPT CHANGES IN SLOPES SHALL BE WELL ROUNDED. THE CONTRACTOR IS RESPONSIBLE FOR POSITIVE SITE DRAINAGE.
6. ALL SITE EXCAVATION SHALL BE CONSIDERED UNCLASSIFIED EXCAVATION.
7. THE EXISTING GRADES AND CONTOURS SHOWN IN THESE PLANS REPRESENT THE ELEVATIONS AS INDICATED ON THE TOPOGRAPHIC SURVEY, DUE TO MANY FACTORS INCLUDING POSSIBLE DISTURBANCE OF THE SOIL OR BENCH MARKS BY OTHER PARTIES AND THE EXPANSIVE/SHRINKAGE NATURE OF THE SOIL, THE ELEVATIONS MAY BE SIGNIFICANTLY DIFFERENT IN THE FUTURE (INCLUDING THE BENCH

- MARKS). NORMAL EQUIPMENT AND MEASUREMENT ACCURACIES SHOULD BE TAKEN INTO ACCOUNT WHEN USING THESE ELEVATIONS. REFER TO THE GEOTECHNICAL INVESTIGATION FOR THE GEOTECHNICAL RECOMMENDATIONS.
8. ALL SLOPES IN UNPAVED AREAS SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
 9. ALL UTILITY TRENCH SPOIL AND EXCESS UTILITY TRENCH BACKFILL SHALL BE DISPOSED OFF-SITE PRIOR TO PROJECT COMPLETION.
 10. ALL DISTURBED SOIL SHALL BE REVEGETATED IN ACCORDANCE WITH THE SWPPP.

LEGEND - SITE PLAN

---	PROPERTY LINE
---	ADJACENT PROPERTY LINE
---	BUILDING SETBACK
---	EASEMENT
---	FIRE LANE STRIPING
---	PROPOSED WATER LINE
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AMBULANCE STATION & CLINIC POSSUM KINGDOM LAKE EAST, GRAFARD, TX CLIENT: PPC EMERGENCY SERVICES DISTRICT NO.1



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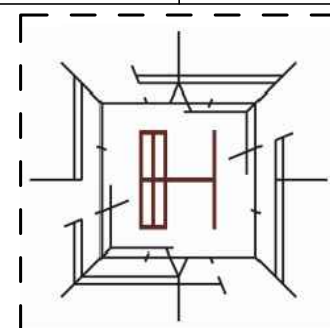
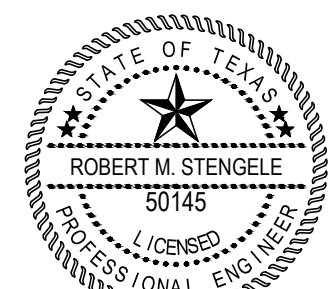
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SHEET TITLE
GRADING PLAN

SHEET NO.

C5.0

AMBULANCE STATION & CLINIC
POSSUM KINGDOM LAKE EAST, GRAFARD, TX
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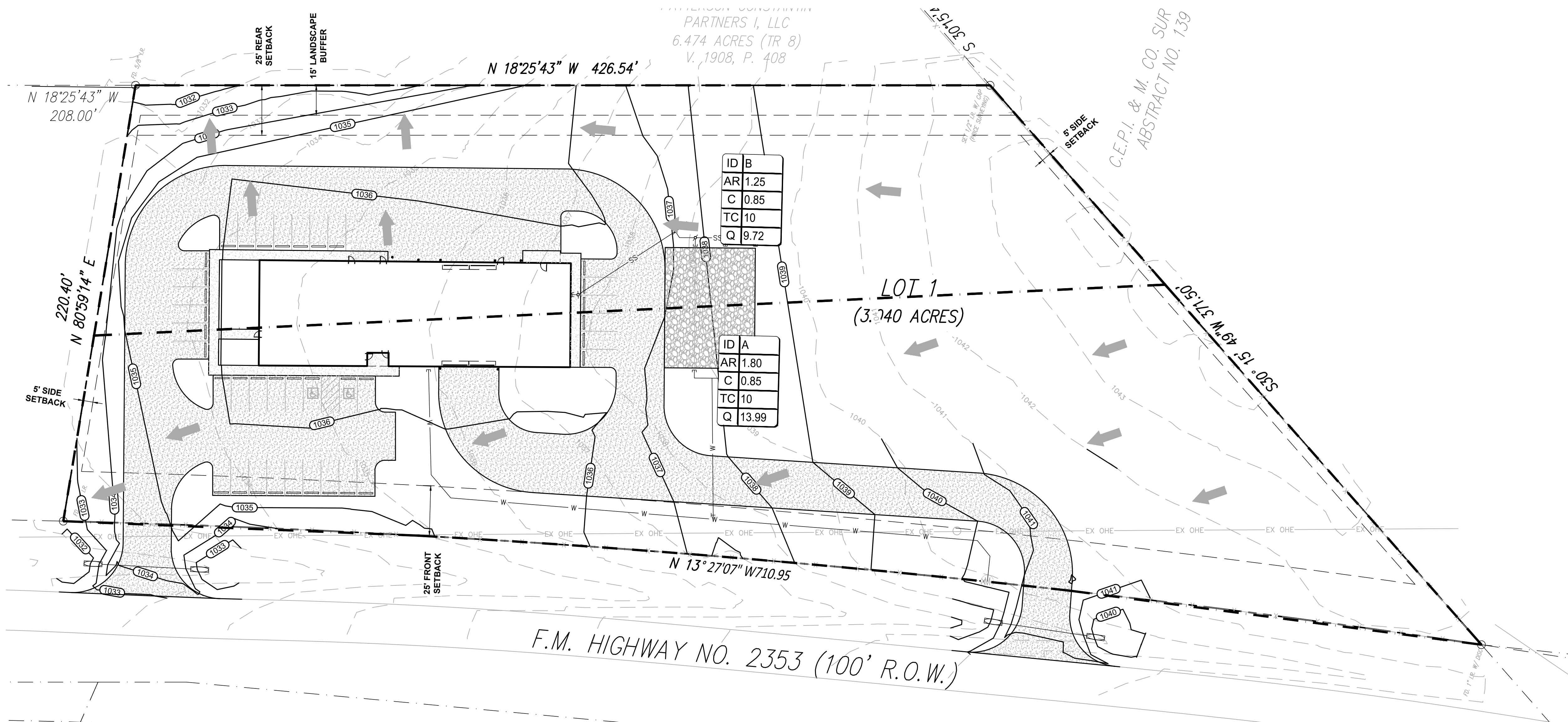
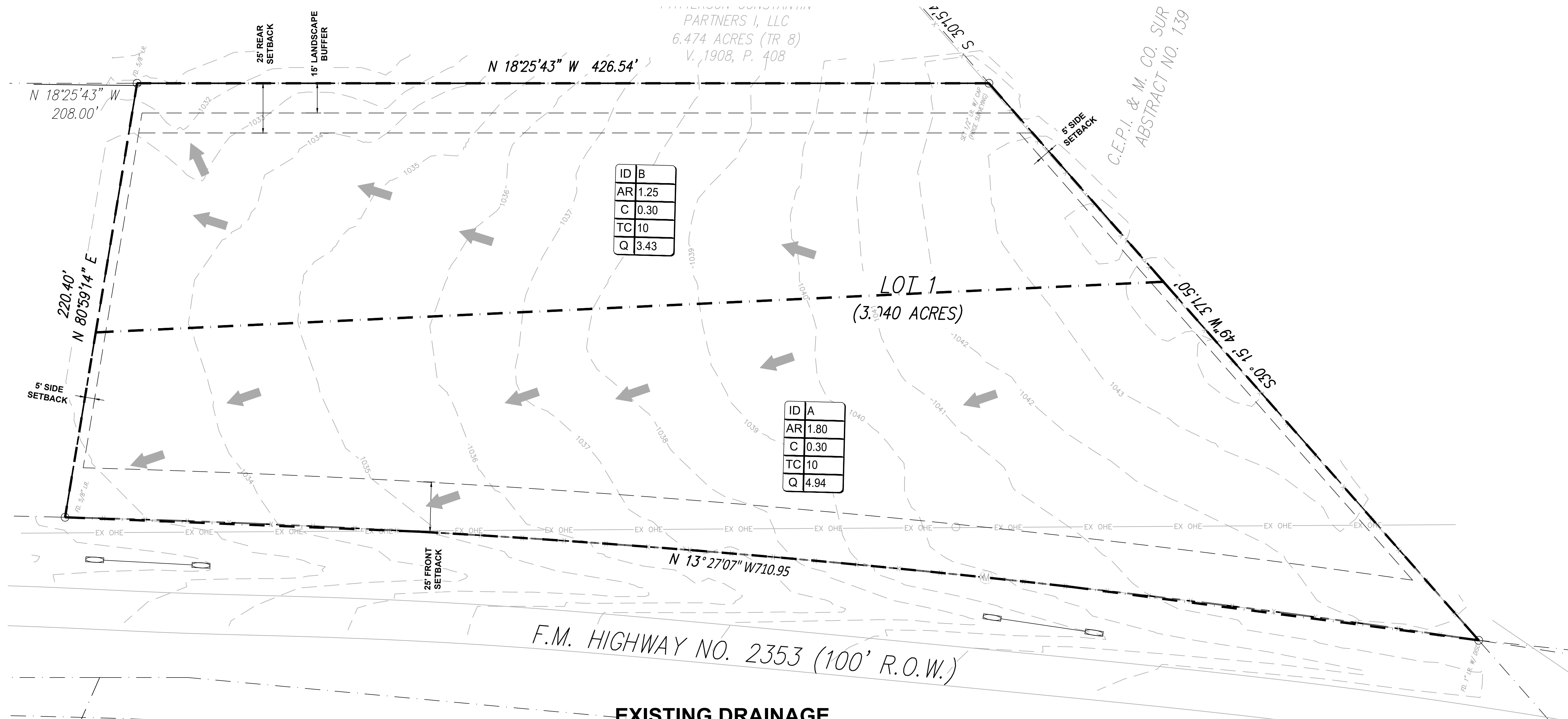
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CONSTRUCTION
DOCUMENTS
DRAINAGE MAPS

SHEET NO.

C6.0



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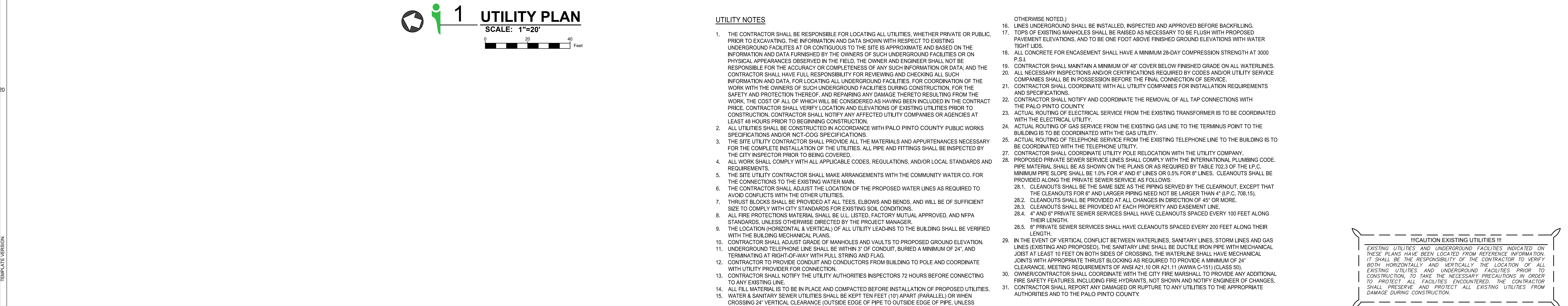
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ELKON CONSULTING GROUP
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SANGER, TX 76266

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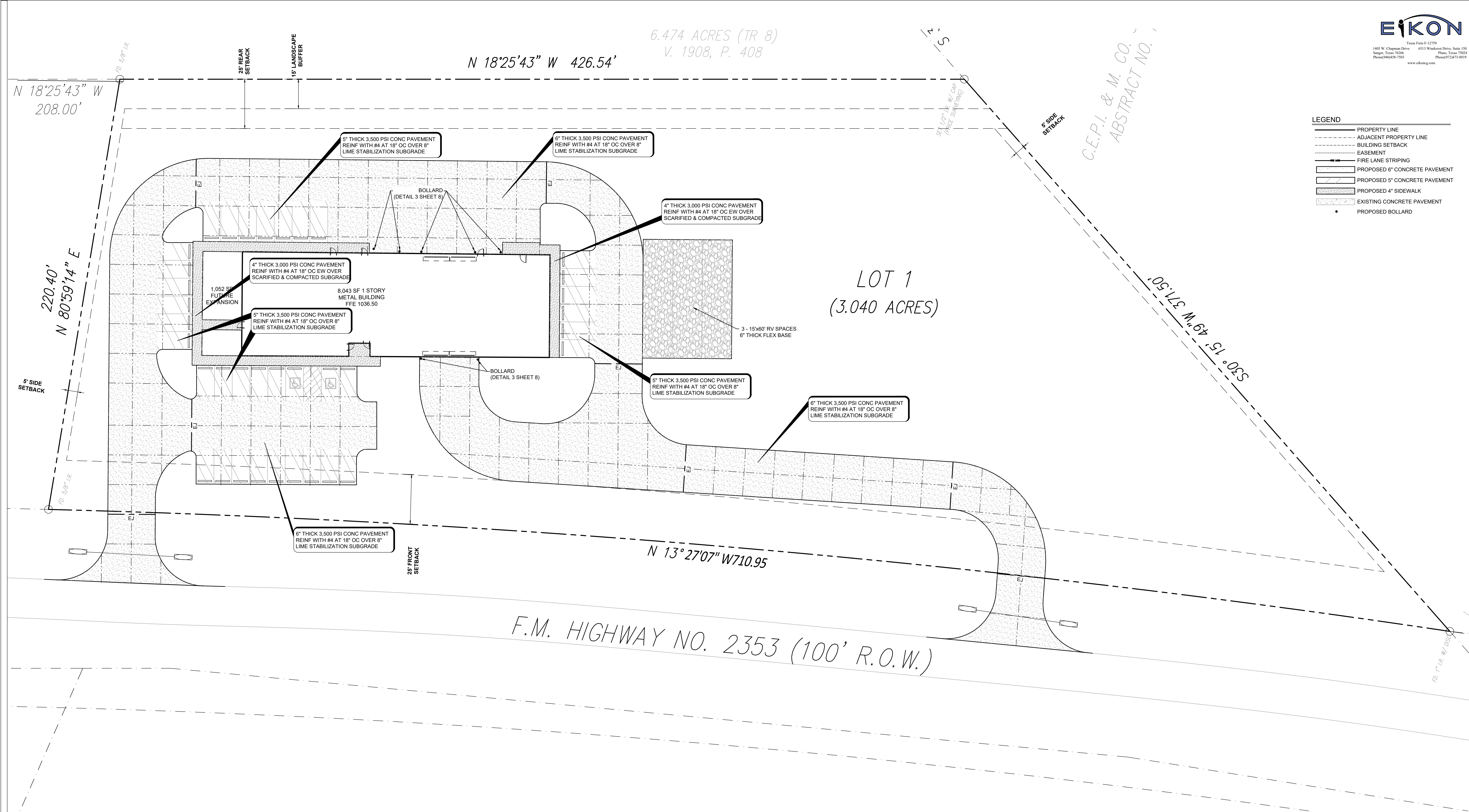
CONSTRUCTION DOCUMENTS

C7.0



!!!CAUTION EXISTING UTILITIES !!!

EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION, TO TAKE THE NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL FACILITIES ENCOUNTERED. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.



1

PAVING PLAN

SCALE: 1"=20'



PAVING NOTES

- CONCRETE FOR THE CONCRETE PAVEMENT SHALL HAVE A 28 DAY DESIGN COMPRESSIVE STRENGTH OF 4,000 PSI, A MINIMUM OF 5.5 SACKS OF PORTLAND CEMENT PER CUBIC YARD, 20% (MAX) CLASS C FLYASH, 4% TO 6% AIR CONTENT USING AIR ENTRAINING AGENT AS REQUIRED, MID RANGE WATER REDUCING AGENT AND A 5-4" SLUMP.
- CONCRETE FOR PRIVATE SIDEWALKS, CURBS, GUTTERS AND DRAINAGE STRUCTURES SHALL HAVE A 28 DAY DESIGN COMPRESSIVE STRENGTH OF 3,500 PSI, A MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD, 4% TO 6% AIR CONTENT USING AIR ENTRAINING AGENT AS REQUIRED, 20% CLASS C FLYASH A 5-6 INCH SLUMP. REFER TO PALO PINTO COUNTY AND/OR NCT-COG STANDARD SPECIFICATIONS FOR ALL PUBLIC IMPROVEMENTS.
- THE MID RANGE WATER REDUCING AGENT ADMIXTURE CONFORMING TO ASTM C-494, TYPE A OR D SHALL BE CHOSEN FROM ONE OF THE FOLLOWING (OR APPROVED EQUAL):
 - EUCON X-20 OR EUCON MR BY EUCO
 - SIKAMENT NL BY Sika
 - PLASTIMR MR BY PROMAX TECHNOLOGIES
 - MIRA 85 BY W.R. GRACE AND CO.
 - POLYHEED 1020 BY DEGUSSA ADMIXTURESTHE AMOUNT OF MID RANGE WATER REDUCER SHALL BE AS RECOMMENDED BY THE ADMIXTURE SUPPLIER TO INCREASE THE SLUMP OF THE CONCRETE BY 50 PERCENT OVER THE SLUMP WITHOUT THE ADMIXTURE. THE SLUMP GIVEN IN THE CONCRETE NOTES ARE AT THE POINT OF DISCHARGE.
- IF THE AIR TEMPERATURE IS GREATER THAN 90 DEGREES WITHIN 24 HOURS AFTER PLACEMENT, HOT WEATHER CONCRETE PROCEDURES SHALL BE USED. THE CONTRACTOR SHALL SUBMIT A PROCEDURE TO THE ENGINEER FOR APPROVAL. THESE PROCEDURES MAY INCLUDE THE FOLLOWING:
 - A. PLACING THE CONCRETE IN THE EARLY MORNING HOURS
 - B. THE USE OF EVAPORATION REDUCER (SEE BELOW)
 - C. THE USE OF MISTING AS A CURING METHOD
 - D. THE USE OF WET BLANKETS AS A CURING METHOD
 - E. THE USE OF A RETARDING ADMIXTURE (NOT PREFERRED)
- ANY CONCRETE TO BE PLACED FURTHER THAN 90 FEET FROM THE END OF A CONCRETE TRUCK SHALL BE PUMPED WITH A COMMERCIAL CONCRETE PUMPING TRUCK OR OTHER PLACEMENT METHOD APPROVED BY THE ENGINEER. THE CONCRETE TRUCK SHALL NOT BE ALLOWED TO DRIVE OVER THE SUBGRADE OR THE PAVEMENT REINFORCEMENT UNLESS APPROVED BY THE ENGINEER.
- REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO A.S.T.M. A-615 GRADE 60.
- REINFORCING BARS, BAR SUPPORTS, AND SPACERS SHALL BE DETAILED AND PROVIDED IN ACCORDANCE WITH THE A.C.I. DETAILING MANUAL. CHAIRS SHALL NOT BE PLACED FURTHER THAN 4 FEET APART. BAR SUPPORTS SHALL BE DAYTON RICHMOND PRODUCTS (800-745-3703) OR EQUAL:
 - A. AT CONCRETE PAVEMENT: (CONCRETE THICKNESS MINUS 1 1/2 INCHES) HIGH, TYPE R21, R21 OR TYPE BBP
- MASTER BUILDERS CONFILM OR EUCOBAR EVAPORATION REDUCERS SHALL BE USED AFTER EACH

FINISHING OPERATION ON THE CAST-IN-PLACE CONCRETE PAVEMENT UNLESS PRIOR APPROVAL FROM THE ENGINEER HAS BEEN OBTAINED TO NOT USE THIS PRODUCT.

- SAWCUTS IN CONCRETE PAVEMENT SHALL BE MADE AS SOON AS THE CONCRETE IS OF SUFFICIENT STRENGTH TO SAW WITHOUT RAVELING THE AGGREGATE. ANY TIME LAPSE GREATER THAN 8 HOURS AFTER PLACING THE CONCRETE SHALL BE PERMITTED ONLY IF APPROVED BY THE ENGINEER.
- NO PIPING OR CONDUITS SHALL BE INSTALLED IN ANY CONCRETE WITHOUT THE APPROVAL OF THE ENGINEER.
- PAVING CONTRACTOR IS RESPONSIBLE FOR ALL LAY DOWN CURBS AT INTERSECTIONS WHERE BARRIER FREE RAMP ARE TO BE CONSTRUCTED.
- THE CONTRACTOR SHALL PROVIDE, CONSTRUCT AND MAINTAIN BARRICADES AND SIGNS IN ACCORDANCE WITH THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- SAWCUTS SHALL HAVE A MAXIMUM SPACING OF 15' EACH WAY.
- EXPANSION JOINTS SHALL BE SMOOTH DOVEL JOINTS WITH THE PAVEMENT THICKNESS INCREASED BY 25%. ONE END OF DOWELS TO BE GREASED AND CAPPED AND USE 1" EXPANSION JOINT MATERIAL IN THE JOINT. REDWOOD OR OTHER RIGID MATERIAL SHOULD BE AVOIDED. SPACE EXPANSION JOINTS BETWEEN 8' AND 10' APART AND AT ALL LOCATIONS IN WHICH LARGE PAVEMENT SECTIONS INTERSECT SMALLER SECTIONS.
- ALL EXPANSION JOINTS MUST BE SEALED WITH A BITUMINOUS JOINT SEALANT OR APPROVED EQUAL.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ACQUIRE ALL NECESSARY PERMITS FROM THE PALO PINTO COUNTY BEFORE CONSTRUCTION WITHIN CITY RIGHT-OF-WAY.
- ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- GREASE TRAPS, MANHOLES, AND VALVE COVERS IN PAVED AREAS SHALL BE TRAFFIC BEARING AND RIM ELEVATIONS SHALL MATCH FINAL PAVING ELEVATION.

EIKON

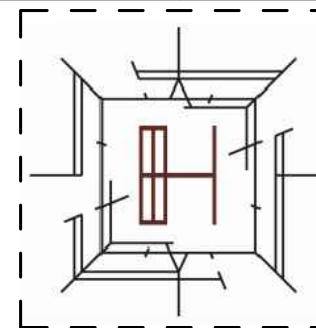
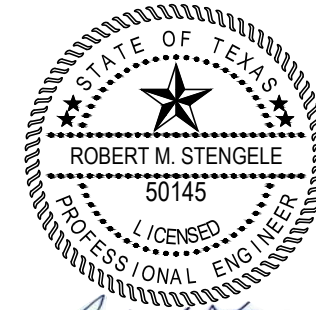
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Phone (817) 458-1701
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Plano, Texas 75024
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LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- BUILDING SETBACK
- EASEMENT
- FIRE LANE STRIPING
- PROPOSED 6" CONCRETE PAVEMENT
- PROPOSED 5" CONCRETE PAVEMENT
- PROPOSED 4" SIDEWALK
- EXISTING CONCRETE PAVEMENT
- PROPOSED BOLLARD

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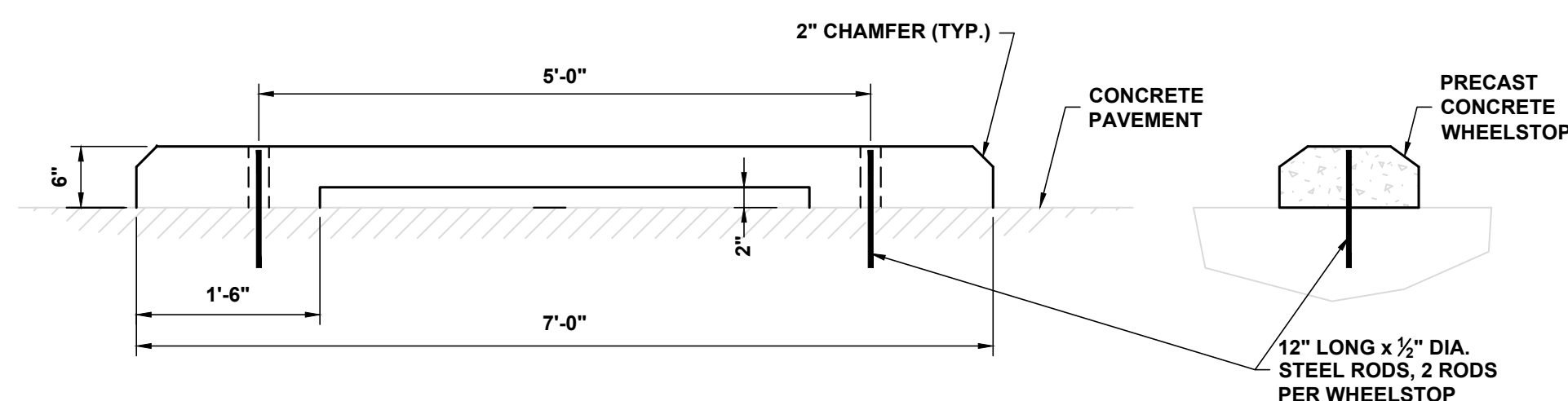
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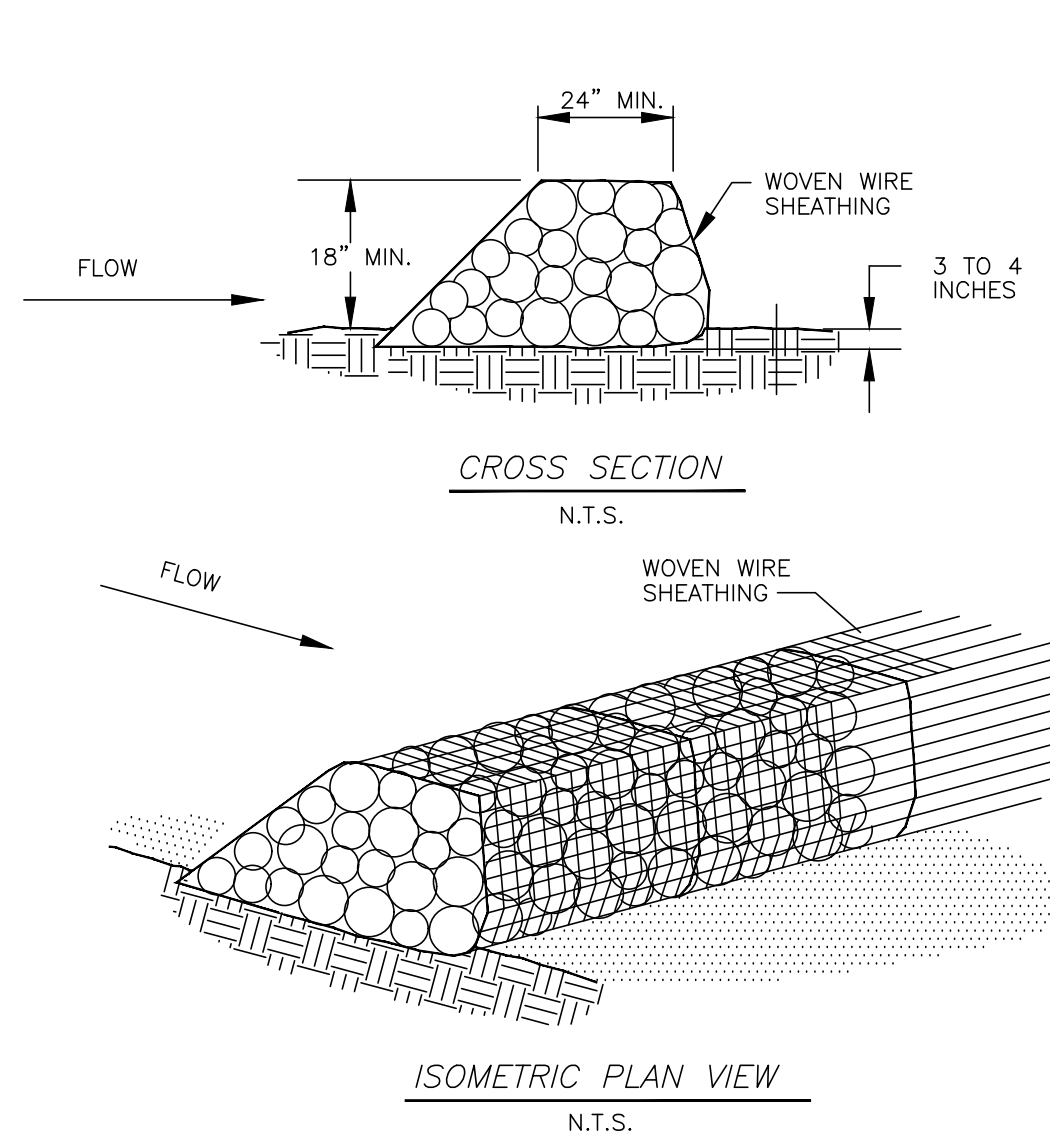
PAVING PLAN

SHEET NO.

C8.0



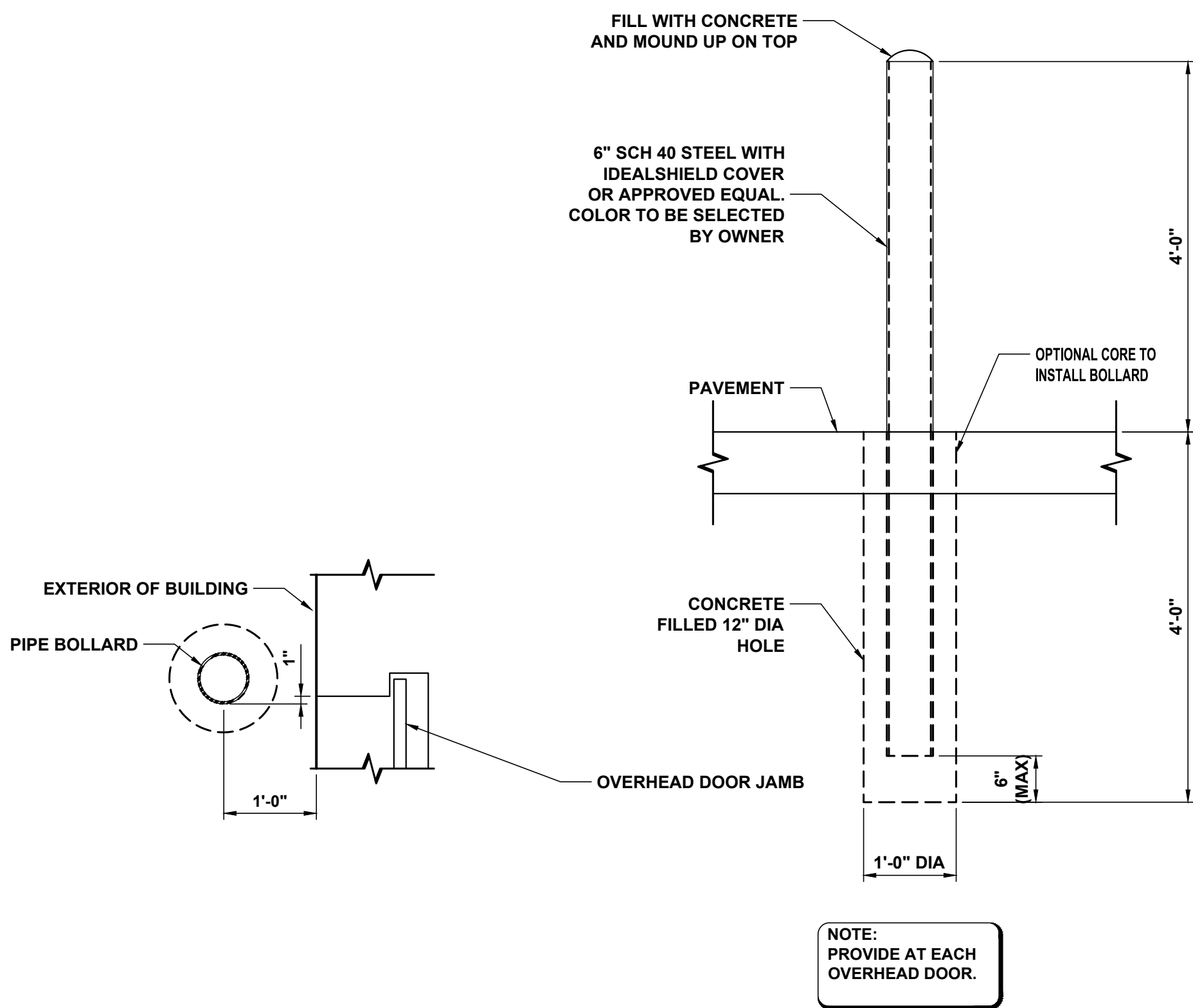
7 TYPICAL WHEELSTOP DETAIL
NOT TO SCALE



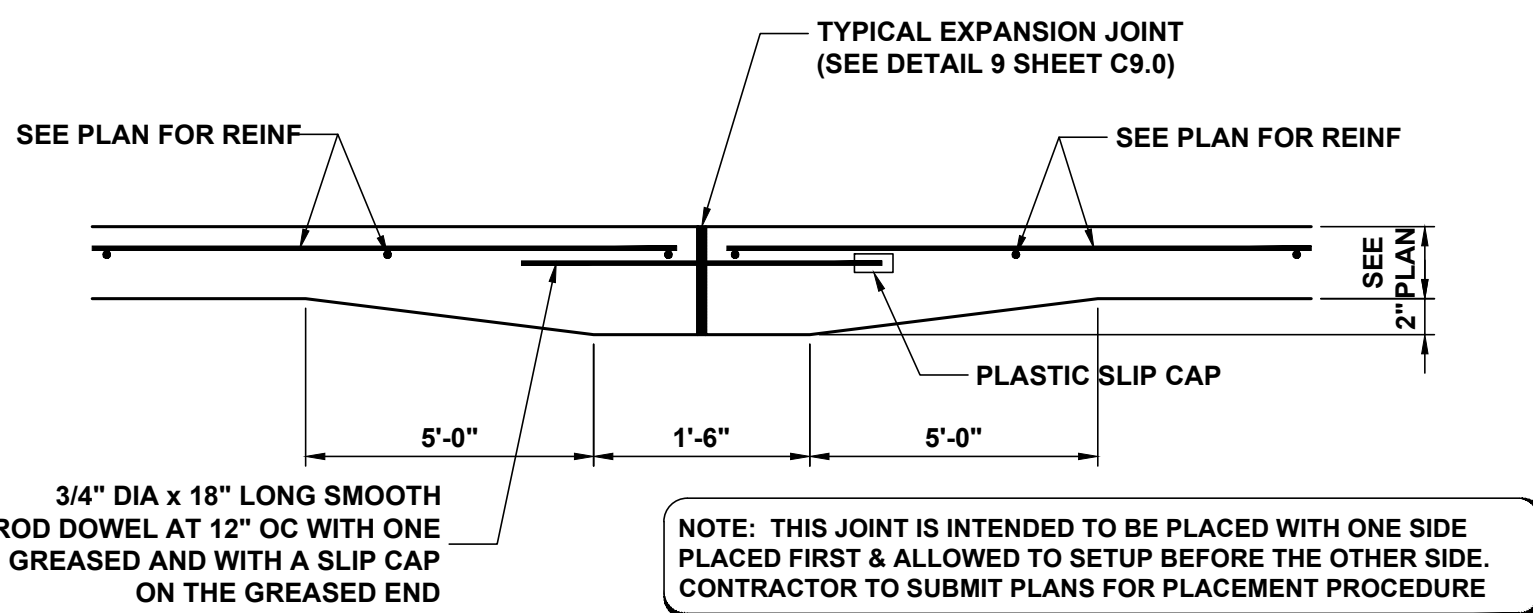
ROCK CHECK DAM GENERAL NOTES:

1. USE ONLY OPEN GRADED ROCK 4-8 INCHES IN DIAMETER FOR STREAM FLOW CONDITION. USE OPEN GRADED ROCK 3-5 INCHES IN DIAMETER FOR OTHER CONDITIONS.
2. THE ROCK CHECK DAM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING A MAXIMUM OPENING OF 1 INCH AND A MINIMUM WIRE SIZE OF 20 GAUGE AND SHALL BE BURIED IN A TRENCH APPROXIMATELY 3 TO 4 INCHES DEEP.
3. THE ROCK CHECK DAM SHALL BE INSPECTED EVERY TWO WEEKS OR AFTER EACH 1/2" RAIN EVENT AND SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD OF THE HEIGHT OF THE DAM OR ONE FOOT, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF PROPERLY.

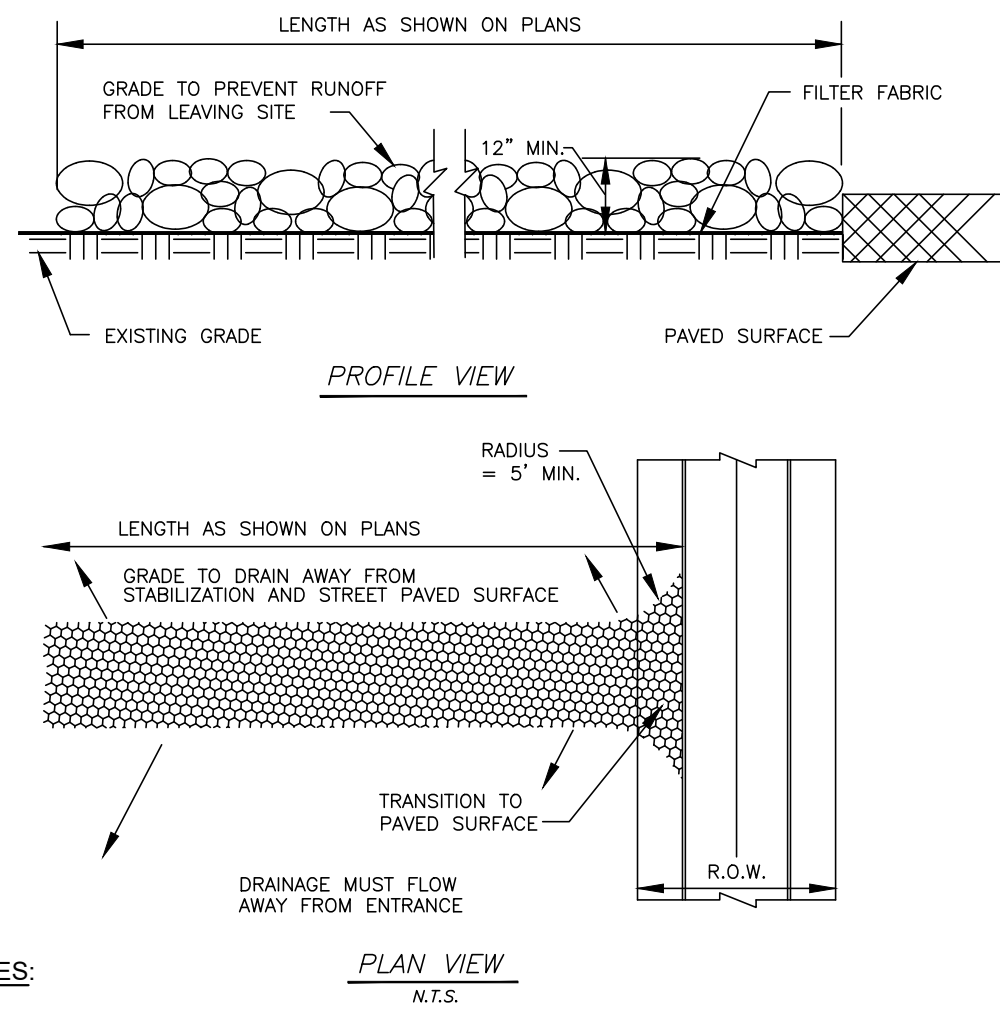
6 ROCK CHECK DAM
NOT TO SCALE



3 TYPICAL DEEP BOLLARD DETAIL
NOT TO SCALE



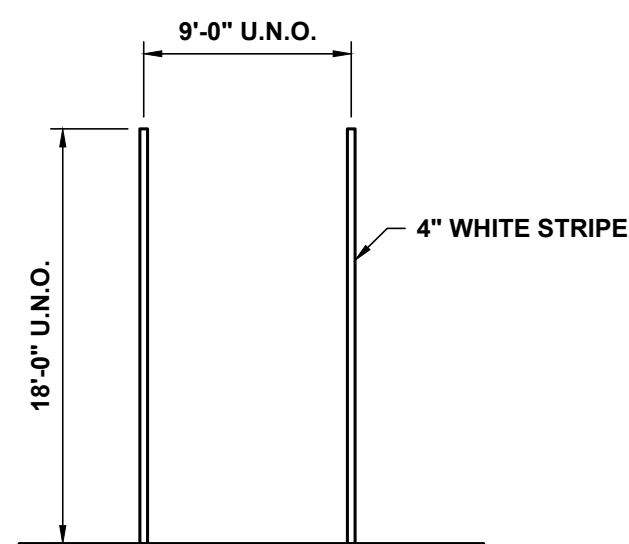
2 TYPICAL EXPANSION JOINT SECTION DETAIL
NOT TO SCALE



NOTES:

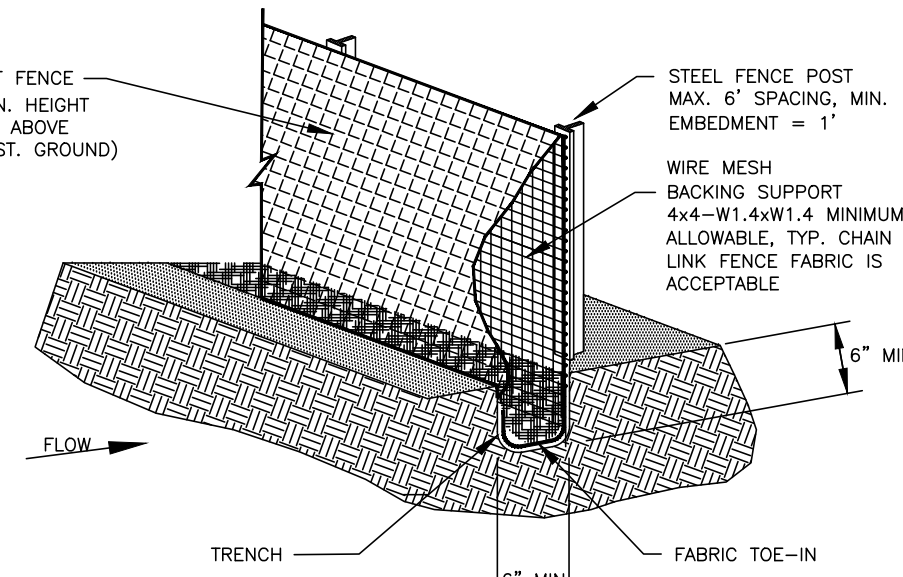
1. STONE SHALL BE 3 TO 5 INCH DIAMETER CRUSHED ROCK.
2. LENGTH SHALL BE SHOWN ON PLANS, WITH A MINIMUM LENGTH OF 30 FEET FOR LOTS WHICH ARE LESS THAN 150 FEET FROM EDGE OF PAVEMENT. THE MINIMUM DEPTH IN ALL OTHER CASES SHALL BE 50 FEET.
3. THE THICKNESS SHALL NOT BE LESS THAN 12 INCHES.
4. THE WIDTH SHALL BE NO LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
5. WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
6. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.
7. THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

5 TEMPORARY STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



NOTE: THIS DETAIL OCCURS AT ALL PARKING SPACES. WHEEL STOPS ARE NOT REQUIRED AT SPACES NEXT TO SIDEWALKS AND CURBS.

8 TYPICAL PARKING STRIPE DETAIL
NOT TO SCALE

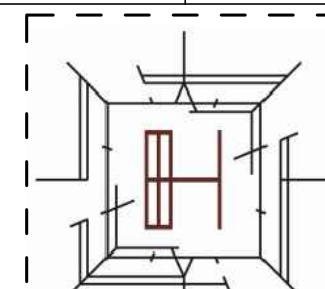
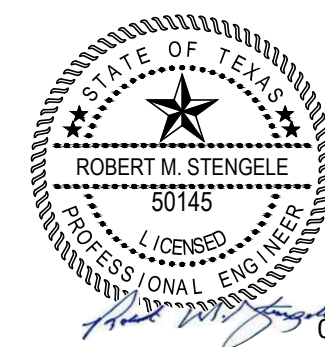


SILT FENCE GENERAL NOTES:

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

4 SILT FENCE
NOT TO SCALE

AMBULANCE STATION & CLINIC
POSSUM KINGDOM LAKE EAST, GRAFORD, TX
CLIENT: PPC EMERGENCY SERVICES DISTRICT NO.1



ARCHITECT/ INTERIOR
Hopkins Architects
103 S. Oak Avenue, Suite 209
Mineral Wells, Texas 76067

CIVIL:
ELKON CONSULTING GROUP
1405 W. CHAPMAN DRIVE
SANGER, TX 76266

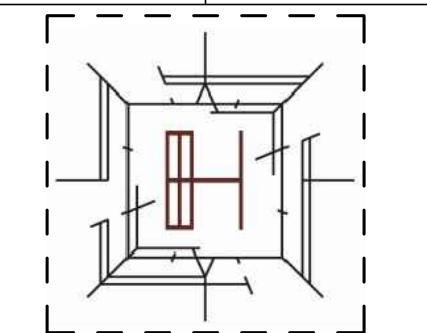
MEP:
ELKON CONSULTING GROUP
1405 W. CHAPMAN DRIVE
SANGER, TX 76266

STRUCTURAL:
ELKON CONSULTING GROUP
1405 W. CHAPMAN DRIVE
SANGER, TX 76266

REVISION NO.	DESCRIPTION	DATE

HA PROJECT NUMBER
01921-00-00
DATE
09/08/2020
ISSUE
CONSTRUCTION DOCUMENTS
SHEET TITLE
SITE DETAILS

AMBULANCE STATION & CLINIC
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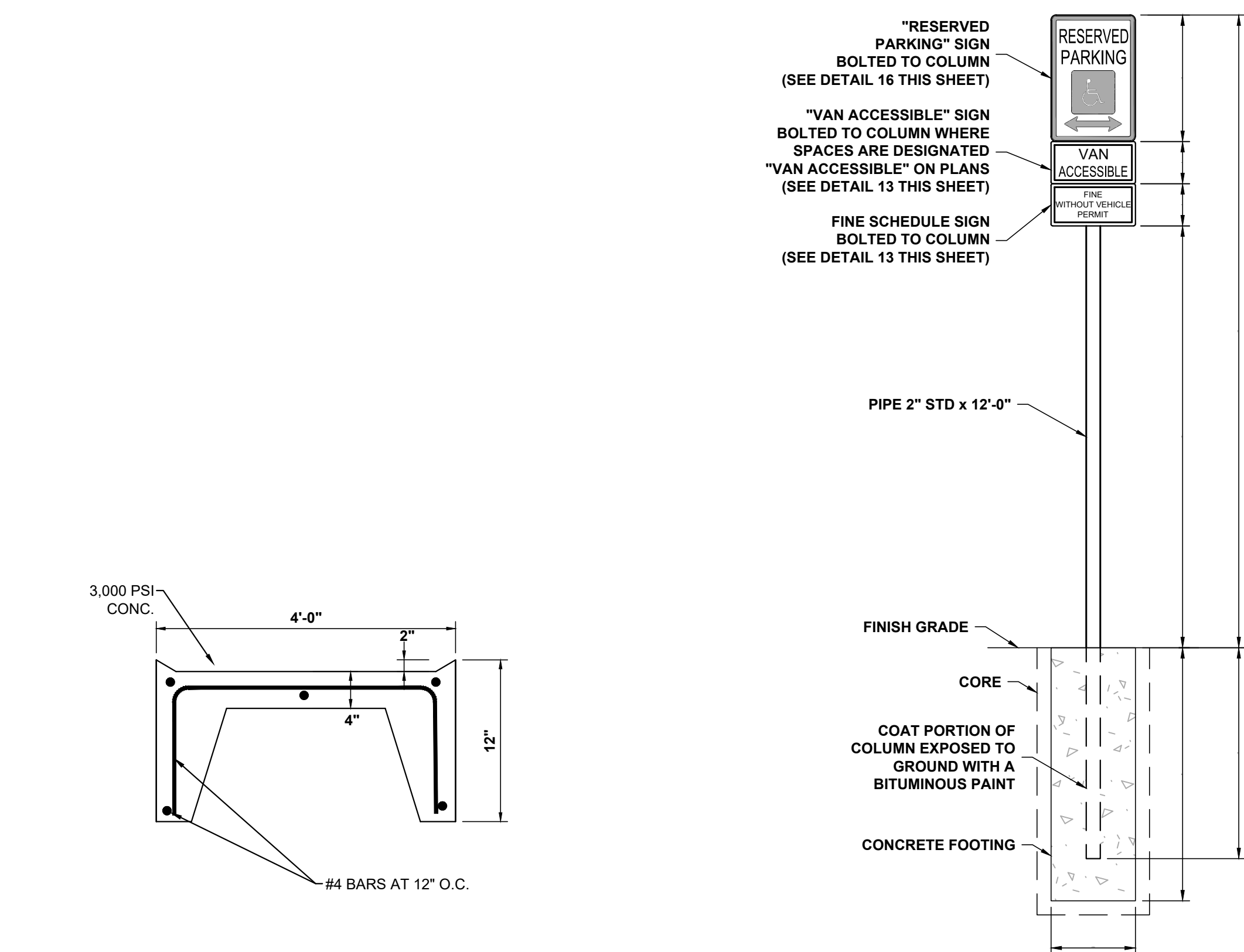


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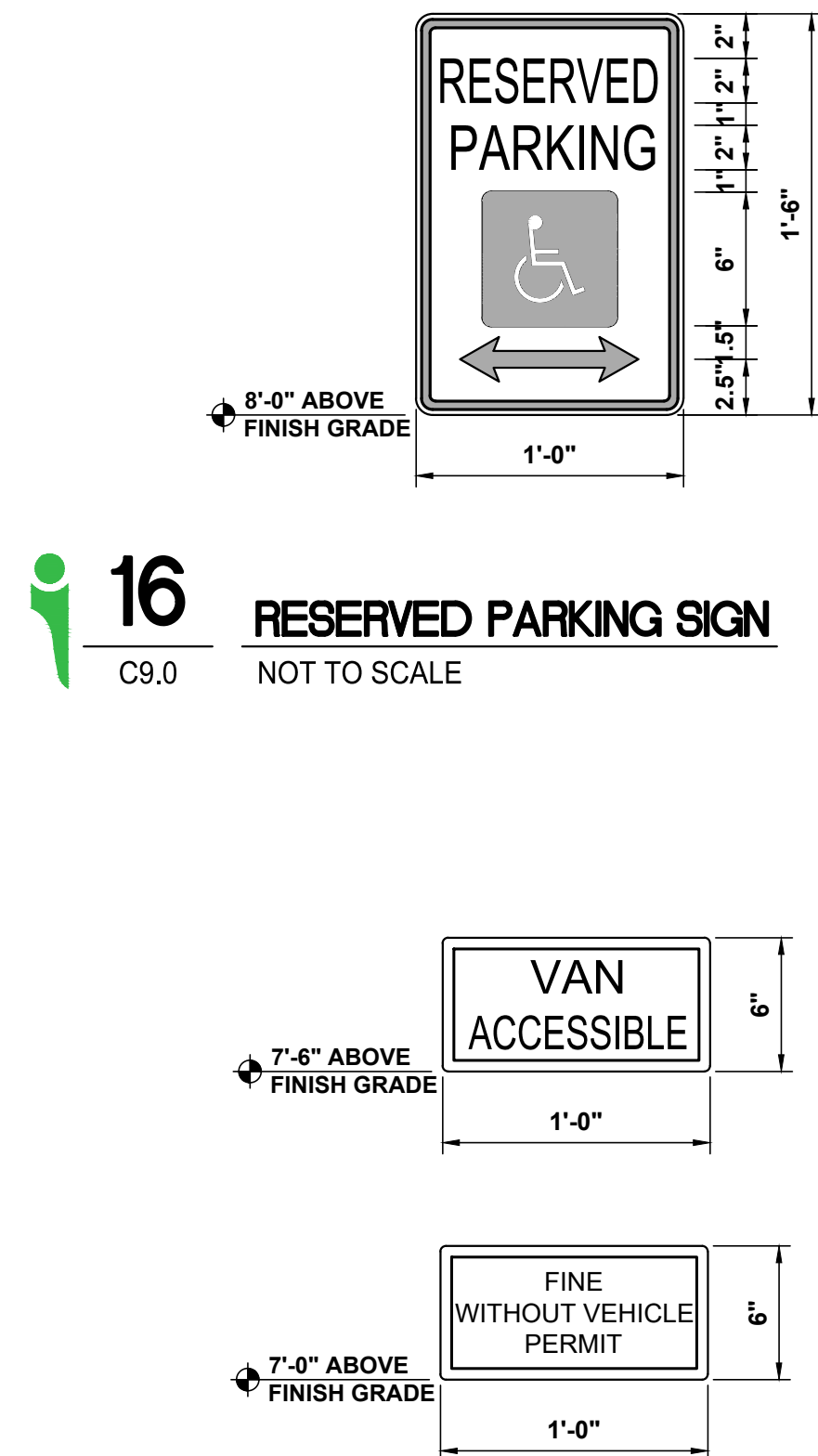
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01921-00-00
DATE
09/08/2020
ISSUE
CONSTRUCTION DOCUMENTS
SHEET TITLE
SITE DETAILS

SHEET NO.
C10.0



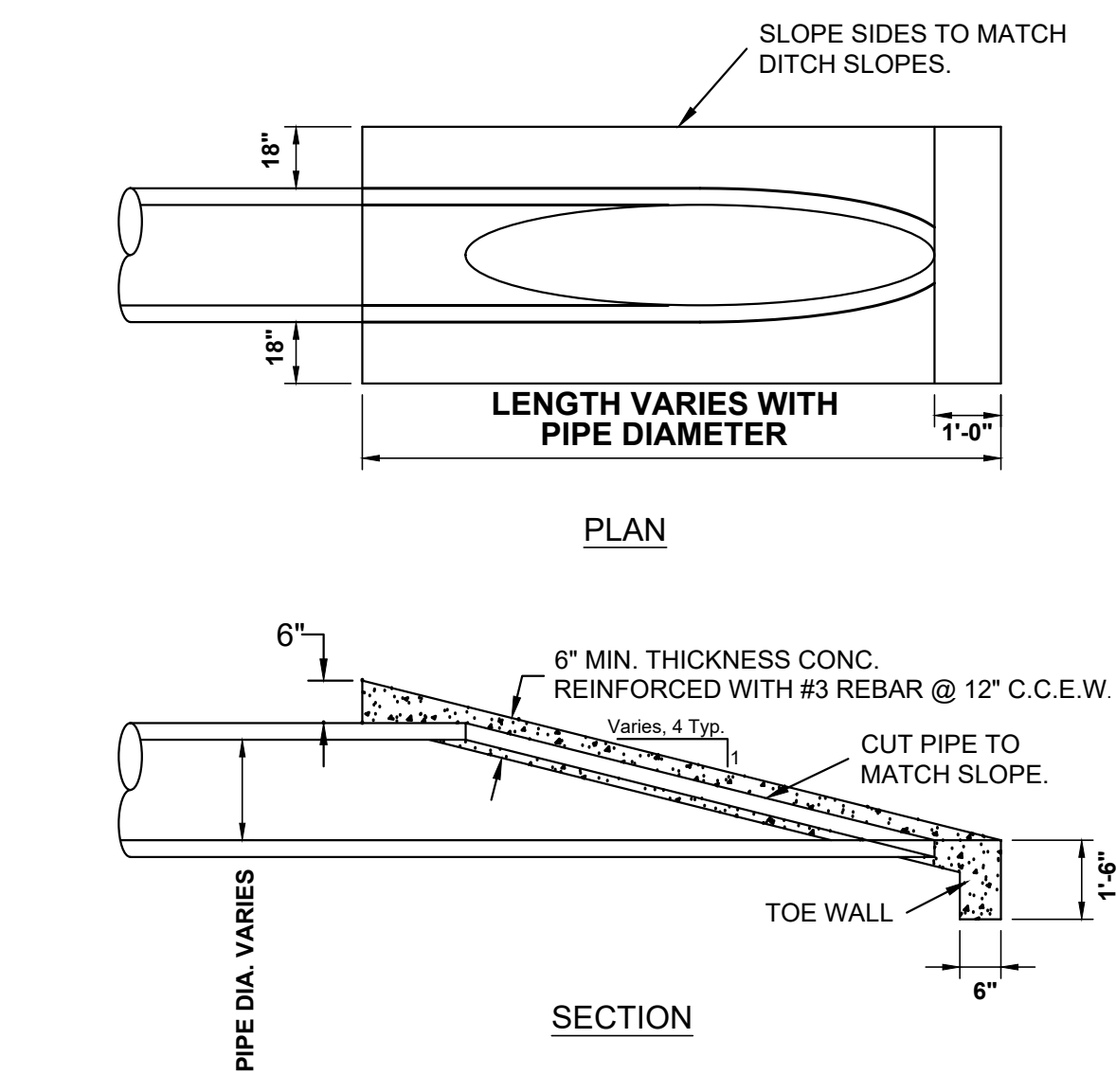
15 CONCRETE FLUME DETAIL
NOT TO SCALE

14 TYPICAL ADA SIGN POST DETAIL
NOT TO SCALE



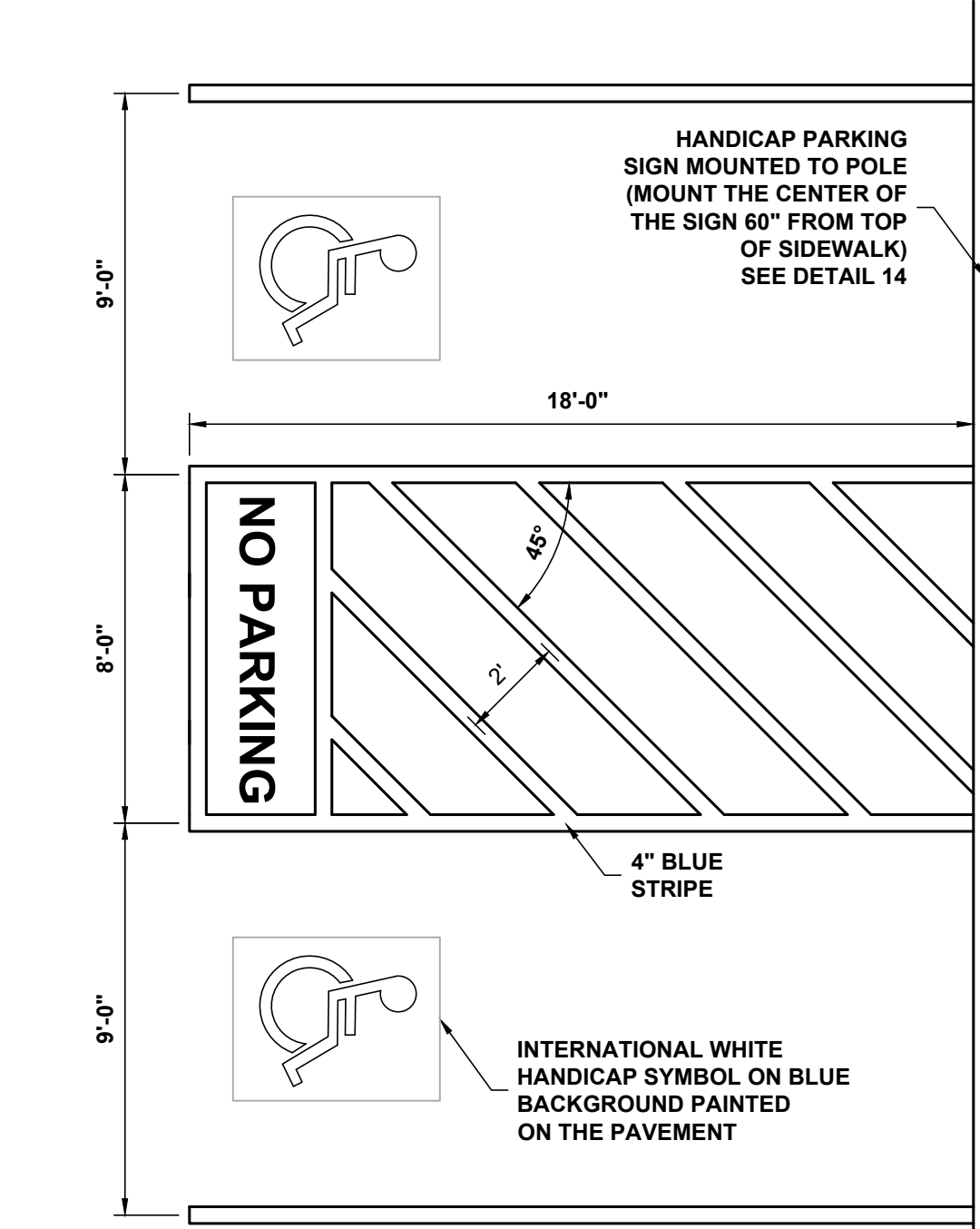
16 RESERVED PARKING SIGN
NOT TO SCALE

13 VAN ACCESSIBLE AND FINE SCHEDULE SIGN
NOT TO SCALE

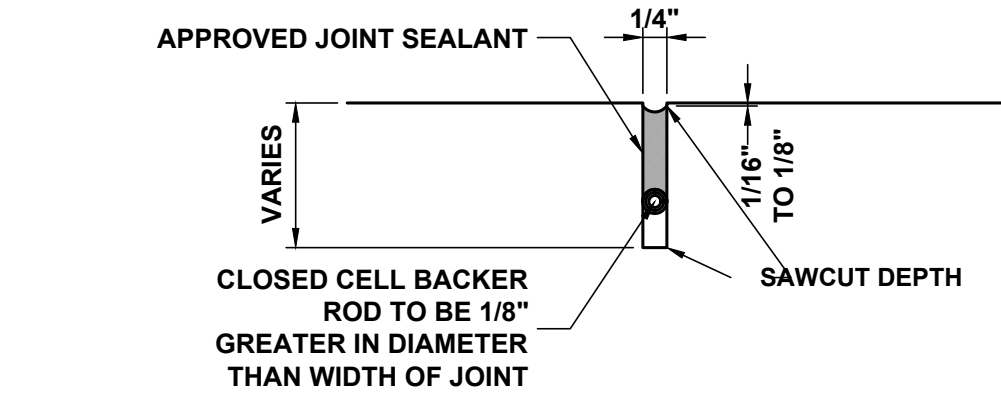


NOTES:
1. Concrete shall be 3,000 PSI and conform to BCS Unified Specifications, Section 03 30 00
2. Reinforcing steel shall be Grade 60.

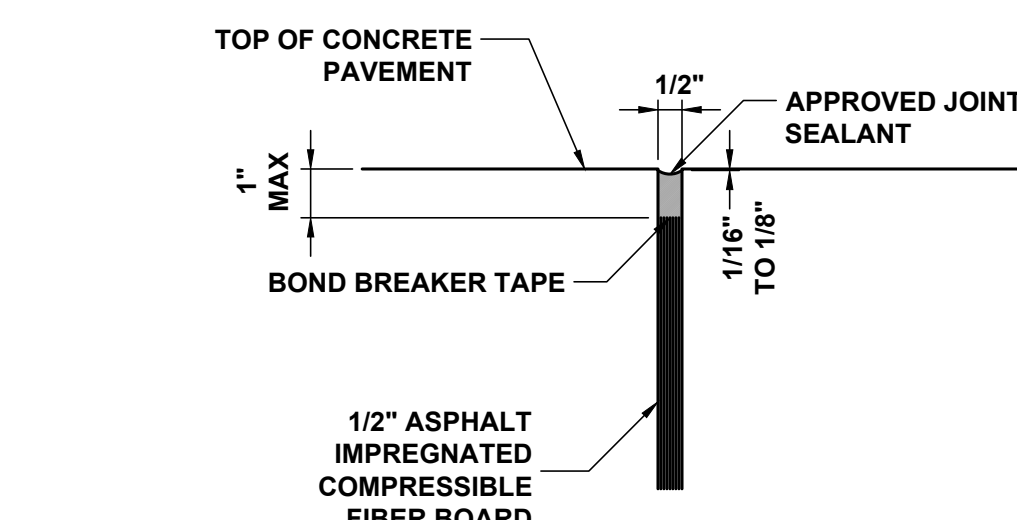
12 SLOPED END TREATMENTS FOR CULVERTS AND STORM SEWERS
NOT TO SCALE



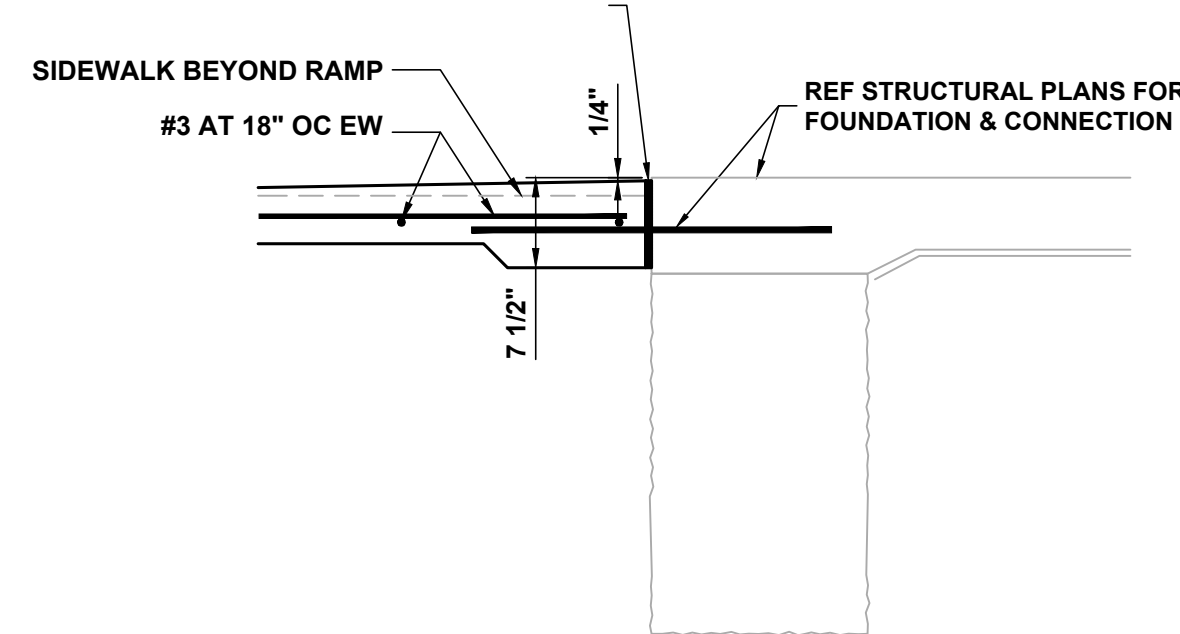
11 HANDICAP PARKING SPACE DETAIL
NOT TO SCALE



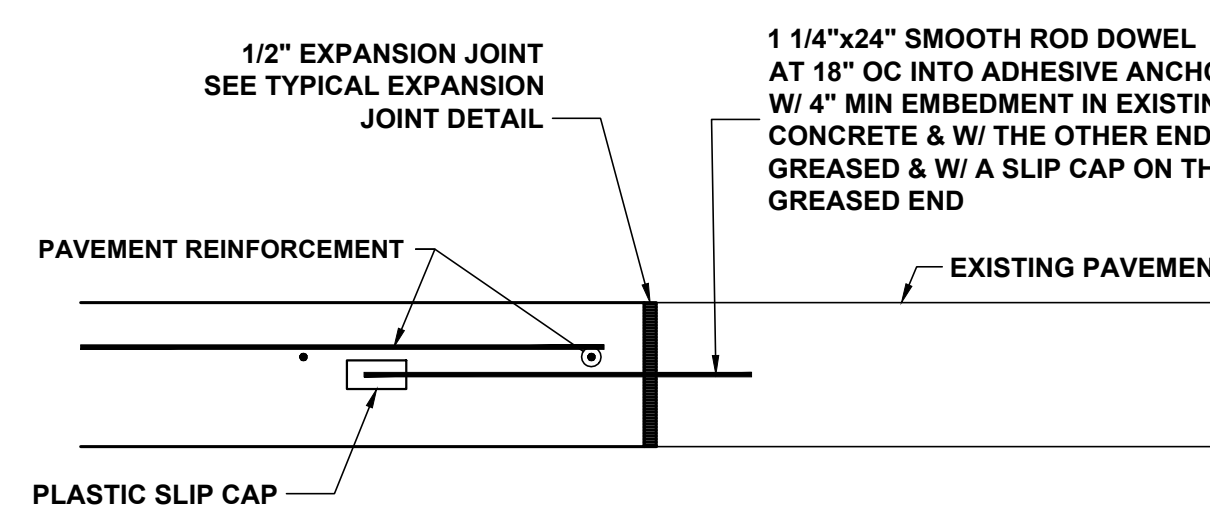
10 LONGITUDINAL JOINT SEALING DETAIL
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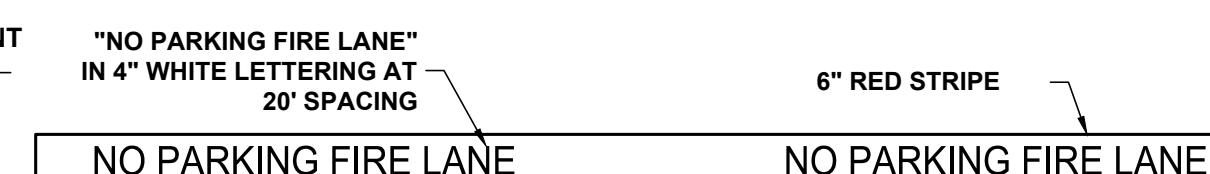
9 EXPANSION JOINT SEALING DETAIL
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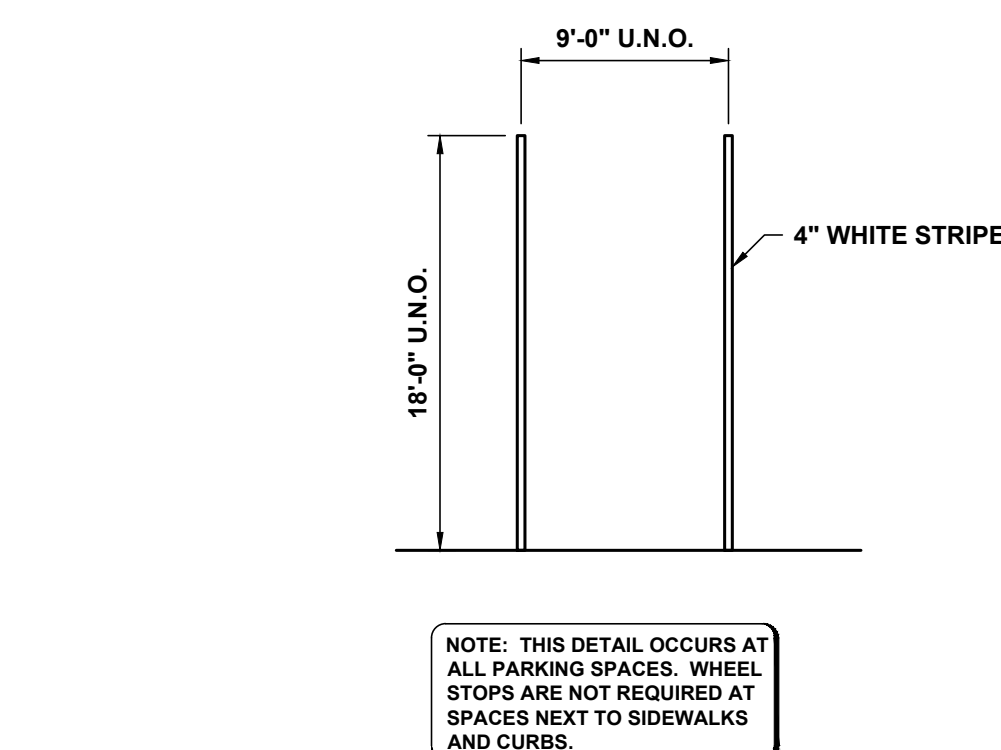
8 SIDEWALK AT DOOR SECTION DETAIL
NOT TO SCALE



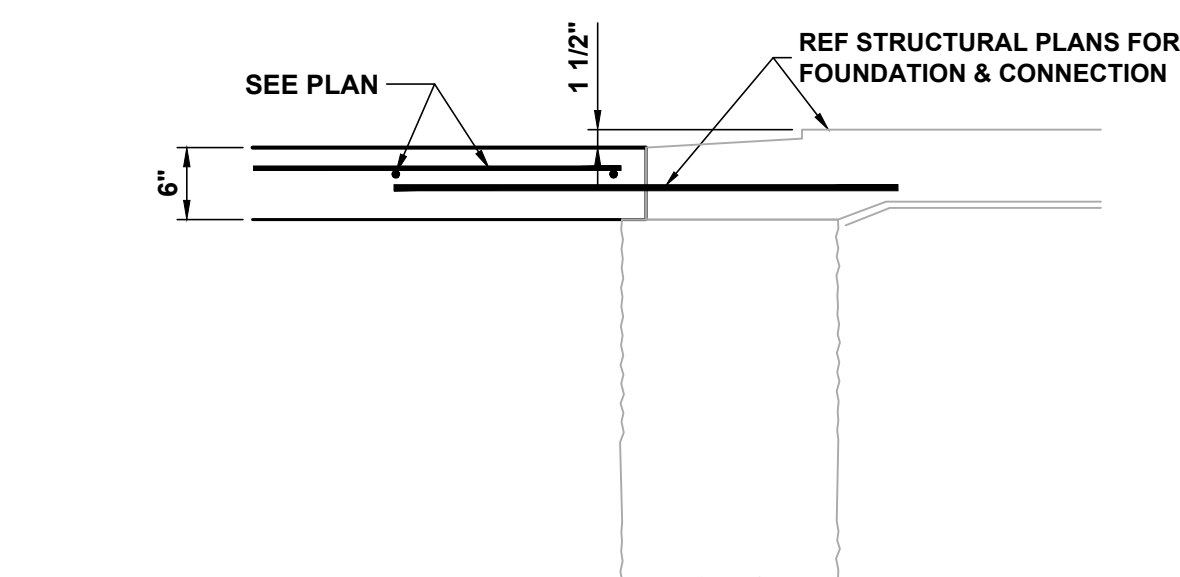
8 TYPICAL CONCRETE TO CONCRETE CONNECTION DETAIL
NOT TO SCALE



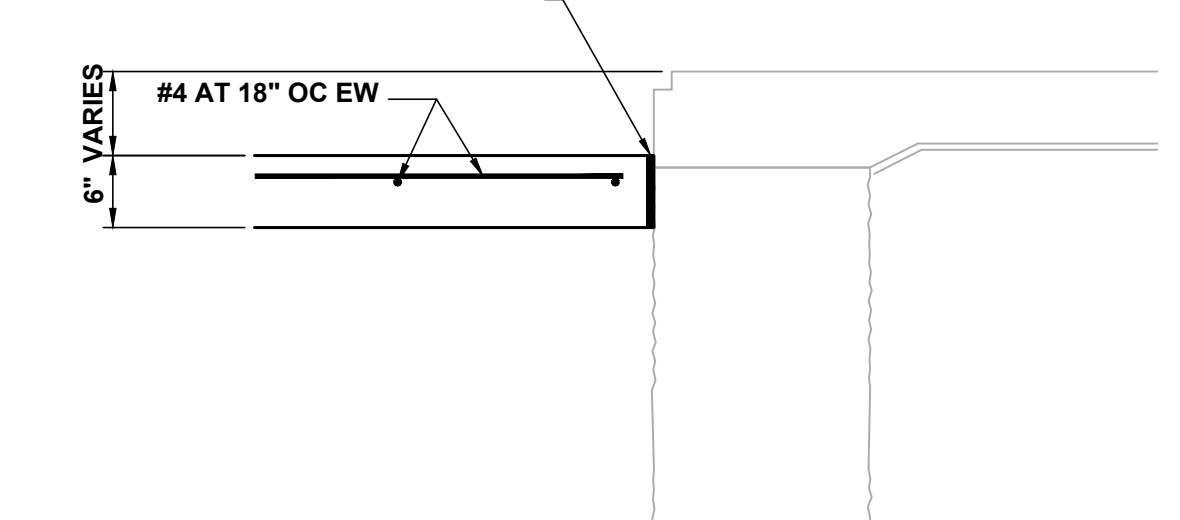
6 TYPICAL FIRE LANE STRIPING DETAIL
NOT TO SCALE



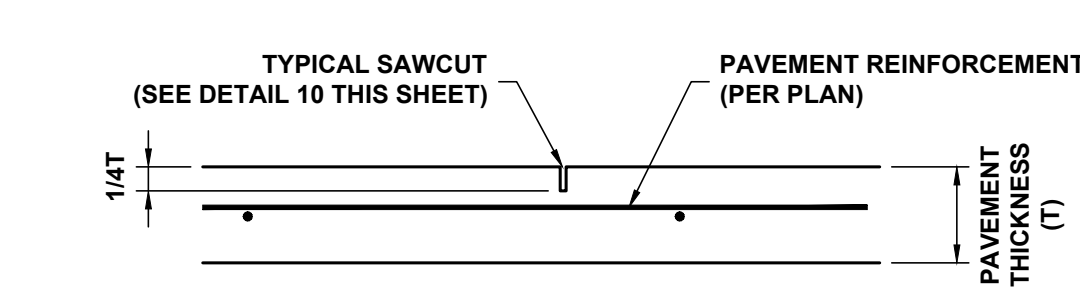
5 TYPICAL PARKING STRIPE DETAIL
NOT TO SCALE



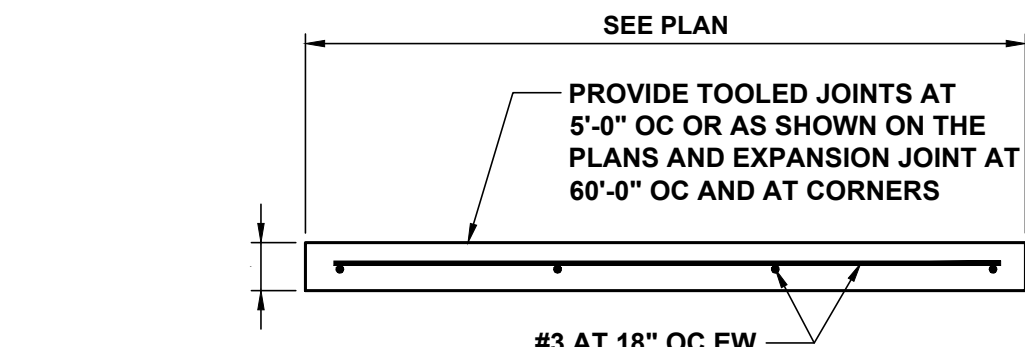
4 TYPICAL PAVEMENT AT OVERHEAD DOOR SECTION
NOT TO SCALE



3 TYPICAL PAVEMENT AT BUILDING SECTION
NOT TO SCALE



2 TYPICAL SAWCUT SECTION DETAIL
NOT TO SCALE



1 TYPICAL SIDEWALK SECTION
NOT TO SCALE

1. DO NOT CHANGE THE SIZE NOR SPACING OF STRUCTURAL ELEMENTS WITHOUT THE APPROVAL OF THE ENGINEER.
2. DETAILS SHOWN ARE TYPICAL ALY TO SIMILAR CONDITIONS UNLESS NOTED OTHERWISE.
3. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE UNDERGROUND UTILITIES.
4. EACH CONTRACTOR SHALL COOPERATE WITH THE OWNER'S REPRESENTATIVE AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
5. VERIFY SIZE AND LOCATION OF EQUIPMENT PADS WITH MECHANICAL AND/OR ELECTRICAL CONTRACTOR AND EQUIPMENT MANUFACTURER.

THE FOUNDATION DESIGN IS BASED ON AN ALLOWABLE VALUE OF 7,500 POUNDS PER SQUARE FOOT IN END BEARING AND 800 POUNDS PER SQUARE FOOT IN SIDE FRICTION AS RECOMMENDED IN THE GEOTECHNICAL REPORT NO. 20003 BYEIKON AND DATED MAY 13, 2020.

THE CONTRACTOR AND DRILLER SHALL REVIEW THE REPORT AND BORING LOGS DURING THE BIDDING PHASE OF THE PROJECT.

PROVIDE POSITIVE DRAINAGE FOR ALL TRENCHES DURING CONSTRUCTION. DO NOT ALLOW ANY PONDING OF WATER DURING CONSTRUCTION.

THE SOIL BENEATH THE BUILDING AND 5 FEET AROUND THE PERIMETER SHALL BE TREATED AS FOLLOWS:

A. STRIP THE AREA OF ALL VEGETATION.

B. REMOVE THE EXISTING SOIL TO AN ELEVATION WHICH IS 24 INCHES BELOW EXISTING GRADES. STOCKPILE THIS SOIL ON SITE.

C. THE NEXT 12 INCHES SHALL BE THOROUGHLY SCARIFIED, WITH WATER ADDED TO RAISE THE MOISTURE CONTENT TO AT LEAST 3 PERCENTAGE POINTS ABOVE OPTIMUM. EACH SLAB SHALL BE PLACED IN 6 INCH LIFTS AND COMPACTED TO 95% OF STANDARD PROCTOR AT EACH FIRST LIFT OF STANDARD PROCTOR TEST SPECIMENS WITHIN 24 HOURS OF COMPLETING THE COMPACTION.

D. THE SOIL REMOVED FROM THE BUILDING IS THEN TO BEED TO FILL THE BUILDING AREA TO NO GREATER THAN 12 INCHES OF BOTTOM OF SLAB OR UNTIL IT HAS BEEN FULLY SANDFILLED. THE REMAINING 8 INCHES OF THE 24 INCHES OF STANDARD PROCTOR AT EACH FIRST LIFT OF STANDARD PROCTOR TEST SPECIMENS TO 95 PERCENTAGE POINTS ABOVE OPTIMUM.

E. THE REMAINING 8 INCHES OF FILL REQUIRED TO RAISE THE BUILDING TO BENEATH THE FLOOR SLAB (12 INCH MINIMUM) SHALL BE SELECT FILL. THE SELECT FILL SHALL HAVE A PLASTICITY INDEX BETWEEN 4 AND 12 AND A LIQUID LIMIT LESS THAN 35. PLACE THE FILL IN 6 INCH LIFTS AND COMPACT TO BETWEEN 95% AND 100% OF STANDARD PROCTOR TEST SPECIMENS WITHIN 24 HOURS OF COMPLETING THE COMPACTION.

F. EACH LIFT SHALL BE TESTED FOR MOISTURE AND IN PLACE DENSITY AT A RATE OF ONE TEST PER 3,000 SQUARE FEET (MIN OF THREE PER LIFT).

1. CONCRETE FOR DRILLED SHAFTS SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI. A MINIMUM OF 470 POUNDS OF PORTLAND CEMENT PER CUBIC YARD, MINIMUM 1% TOTAL AIR CONTENT (ENTRAPPED), MID OR HIGH RANGE WATER REDUCING AGENT AND A 6-7" NODULAR SLUMP. AIR ENTRAINING AGENT OR FLYASH SHALL BE USED WITHOUT THE APPROVAL OF THE ENGINEER PRIOR TO PLACING.
2. THE BOTTOM OF THE SHAFT SHALL BE CLEAN AND FREE OF LOOSE SOIL, PRIOR TO PLACING CONCRETE.
3. DRILLED SHAFT STEEL SHALL BE DELIVERED TO THE JOB SITE IN 40 OR 60 FEET LENGTHS AND THE PIER CASE SHALL BE BUILT IN THOSE LENGTHS. THE STEEL FOR THAT SHAFT SHALL BE CUT TO EXACT LENGTH FROM THE CASE, NO SPICING OF THE STEEL SHALL BE ALLOWED.
4. DRILLED SHAFT REINFORCEMENT SHALL HAVE THREE CENTRALIZER SLEDS BY PIERSEARCH (800-342-2409) OR 3 OR 4 E2-K3 SPACE WHEELS BY E2-K0 (800-351-3355) AROUND THE PIER AT 1-1/2 FT ON TOP, CENTER, AND 2 HUAICKER BOLSTERS BY PIERSEARCH. E2-K3 SPACE WHEELS SHALL BE MODEL PLW-300/4-H AND 3/4" THICK AT THE PERIMETER. PROVIDE 1-1/2 EXTRA TURNERS TOP AND BOTTOM FOR DRILLED SHAFT SPIRALS.
5. THE DRILLER SHALL USE A ROCK BIT WITH CARBIDE OR DIAMOND TYPED TEETH THAT IF ROCK IS ENCOUNTERED DURING THE DRILLING OPERATION, THE CONTRACTOR SHALL PROVIDE DRILLING RIG CAPABLE OF DRILLING THE HOLE TO THE REQUIRED DEPTH. DRILLING LOGS WHICH ARE AVAILABLE IF REQUESTED.
6. FOR BIDDING ASSUME NONE OF THE SHAFTS WILL REQUIRE CASING, HOWEVER, UNIT PRICES SHALL BE PROVIDED FOR CASING AND UNCASD PIERS. IF CASING IS REQUIRED (AS DETERMINED BY THE GEOTECHNICAL ENGINEER OR TESTING LABORATORY), THE CASED DEPTH OF A SHAFT SHALL BE DEFINED TO THE BOTTOM OF THE CASING, ANY PENETRATION BELOW THE BOTTOM OF THE CASING SHALL PROCEED AS AN UNCASD HOLE. THE TOP OF THE CASING SHALL BE DEFINED AS THE TOP OF PIER (BOTTOM OF GRADE).

1. CONCRETE FOR GRADE BEAMS SHALL HAVE A 28 DAY DESIGN COMPRESSIVE STRENGTH OF 3,000 PSI, A MINIMUM OF 470 POUNDS OF PORTLAND CEMENT PER CUBIC YARD, 2% TO 4% AIR CONTENT USING AIR ENTRAINING AGENT AS REQUIRED, TYPE A OR D WATER REDUCING AGENT AND A 4-5" SLUMP. FLYASH SHALL NOT BE USED WITHOUT THE APPROVAL OF THE ENGINEER BEFORE BIDDING.
2. CONCRETE FOR THE CAST IN PLACE FLOOR SLAB SHALL HAVE A 28 DAY DESIGN COMPRESSIVE STRENGTH OF 3,000 PSI, A MINIMUM OF 470 POUNDS OF PORTLAND CEMENT PER CUBIC YARD, MINIMUM HIGH RANGE WATER REDUCING AGENT AND A 5-6" SLUMP; 20% OF CLASS C ADMIXTURE MAY BE USED WITH THE APPROVAL OF THE ENGINEER AND THE CONTRACTOR'S REVIEW BEFORE BIDDING.
3. THE AMOUNT OF MID OR HIGH RANGE WATER REDUCER SHALL AS BE RECOMMENDED BY THE ADMIXTURE SUPPLIER TO INCREASE THE SLUMP OF THE CONCRETE BY 50 PERCENT OVER THE SLUMP WITHOUT THE ADMIXTURE. THE SLUMP GIVEN IN THE CONCRETE NOTES ARE AT THE POINT OF DISCHARGE. THIS AMOUNT OF MIDRANGE IS APPROXIMATELY 8-10 GALLONS PER 100 POUNDS OF CEMENT. HIGH RANGE WATER REDUCER MAY ALSO BE USED WITH THE DOSAGE ADJUSTED FOR THE ABOVE RESULTS.
4. IF THE AIR TEMPERATURE IS GREATER THAN 90 DEGREES WITHIN 24 HOURS AFTER PLACEMENT, HOT WEATHER CONCRETE PROCEDURES SHALL BE USED. THE CONTRACTOR SHALL SUBMIT A PROCEDURE TO THE ENGINEER FOR APPROVAL. THESE PROCEDURES MAY INCLUDE THE FOLLOWING:
 - A. PLACING THE CONCRETE IN THE EARLY MORNING HOURS
 - B. THE USE OF EVAPORATION REDUCER (SEE BELOW)
 - C. THE USE OF MISTING AS A CURING METHOD
 - D. THE USE OF WET BLANKETS AS A CURING METHOD
 - E. THE USE OF A RETARDING ADMIXTURE (NOT PREFERABLE)
5. FIVE 4"X8 CONCRETE CYLINDERS SHALL BE MADE FOR EVERY 75 CUBIC YARDS OR EACH DAYS POUR, TO BE TESTED AT 7, 28, 28 AND ONE TO HOLD. THE CONCRETE SLUMP/TEMPERATURE, AND AIR CONTENT SHALL BE MEASURED EVERY TIME A SET OF FIVE CYLINDERS IS MADE.
6. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE AMERICAN CONCRETE INSTITUTE STANDARDS "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318) AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301). SPLICES IN REINFORCEMENT SHALL MEET CLASS B TENSION.

COVER FOR ALL REINFORCEMENT SHALL MEET THE COVERAGE REQUIREMENTS AS SHOWN IN THE LATEST ACI 318. AS NOTED BELOW OR AS SHOWN ON THE DETAILS. DIMENSIONS SHOWN ON THE DETAILS CONTROL. COVER THE ACI 318 OR THOSE NOTED BELOW.

A. AGAINST FORMED SURFACES: 1 1/2"
B. AGAINST EARTH: 3"
C. BETWEEN REBAR: 1 1/2"
D. TOP OF SLAB ON GRADE: 1 1/2"

8. ANY CONCRETE TO BE PLACED FURTHER THAN 16 FEET FROM THE END OF A CONCRETE TRUCK SHALL BE PUMPED WITH A COMMERCIAL CONCRETE PUMPING TRUCK OR OTHER PLACEMENT METHOD APPROVED BY THE ENGINEER. THE CONCRETE TRUCK SHALL NOT BE ALLOWED TO DRIVE OVER THE SUBGRADE OR THE SLAB REINFORCEMENT.

9. REINFORCING STEEL SHALL BE ONE DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60. REINFORCEMENT SMALLER THAN #4 BARS SHALL BE COLD BENT WHENEVER BENDING IS REQUIRED IN THE FIELD. REINFORCED GREATER THAN A #4 BAR MAY BE BENT IN THE FIELD WITH HEAT UNLESS NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER OTHERWISE.

10. PROVIDE 3/4" x 3/4" CHAMFER AT ALL EXPOSED CORNERS UNLESS NOTED OTHERWISE.

11. LOCATE ADDITIONAL CONSTRUCTION JOINTS (REQUIRED) TO FACILITATE CONSTRUCTION AS ACCEPTABLE TO ENGINEER.

12. PLACE INTERMEDIATE HORIZONTAL BARS (4# AT 12" MAXIMUM) ON EACH VERTICAL FACE OF ALL BEAMS GREATER THAN 36" IN DEPTH UNLESS NOTED OTHERWISE.

13. CAST CONCRETE ON SLOPED SURFACES BEGINNING AT LOWEST ELEVATION AND CONTINUING MONOLITHICALLY TOWARD HIGHER ELEVATIONS UNTIL INTENDED POUR IS COMPLETED.

14. REINFORCING BARS, BAR SUPPORTS, AND SPACERS SHALL BE DETAILLED AND PROVIDED IN ACCORDANCE WITH THE LATEST ACI DETAILING MANUAL. USE WIRE-BAR SUPPORTS FOR VIBING WITH CRS. CONCRETE SUPPORTS SHALL NOT BE PLACED FURTHER THAN 4 FEET APART. DAYTON/CHROMCO PRODUCTS (800-745-3703) OR EQUAL UNLESS NOTED OTHERWISE IN THE SPECIFICATIONS:
A. AT GRADE BEAMS OVER VOID BOXES: 2 1/2 INCHES HIGH, TYPE R21
B. VOID BOXES: (SLAB THICKNESS MINUS 1 1/2 INCHES) HIGH, TYPE R21, OR TYPE B8P USE SUPPORTS WITH SAND PLATES OR HORIZONTAL RUNNERS WHERE BASE MATERIAL WILL NOT SUPPORT CHAIR LEGS. CONCRETE BLOCK OR CLAY MASONRY MAY NOT BE USED.

15. THE GRADE BEAM STEEL SHALL BE CONTINUOUS WHERE POSSIBLE. TOP BARS SHALL BE SPLICED AT THE CENTER OF THE SPAN. BOTTOM BARS OVER THE SUPPORTS, AND OTHER HORIZONTAL AND TEMPERATURE BARS AS REQUIRED. MINIMUM SPLICE LENGTH SHALL BE 30 BAR DIAMETERS UNLESS NOTED OTHERWISE ON THE PLANS OR STANDARD DETAILS.

16. SEE ARCHITECTURAL AND MECHANICAL/ELECTRICAL DRAWINGS FOR EXACT LOCATIONS AND DETAILS OF DEPRESSED SLABS, FLOOR DRAIN LOCATIONS, PLATFORMS, CURBS AND FENDS.

17. ALL GRADE BEAMS SHALL BE FORMED ON BOTH SIDES WITH NO TRENCHING ALLOWED. FORMS SHALL BE EITHER PLYWOOD BOX FORMS OR STEEL FORMS WITH FORM TIES, WEDGES AND ADJUSTABLE BRACES. NO DIMENSION LUMBER (2X12'S) SHALL BE USED FOR FORMING GRADE BEAMS. ANY PLYWOOD UNDER THE GRADE BEAM SHALL BE REMOVED.

18. USE ONE OF THE FOLLOWING SEALERS ON ALL INTERIOR EXPOSED CONCRETE SURFACES WHICH DO NOT RECEIVE A STAIN, PAINT OR OTHER TYPE OF COATING:
A. SEAL HARD BY LAM
B. EPOXY DIAMOND HARD BY EUCLID

19. BASF MASTERSEAL 90 OR EUCORAB EVAPORATION REDUCERS SHALL BE USED AFTER EACH FINISHING OPERATION ON THE CAST IN PLACE CONCRETE FLOOR SLAB UNLESS PRIOR APPROVAL FROM THE ENGINEER HAS BEEN OBTAINED TO NOT USE THIS PRODUCT.

20. SAWCUTS IN CONCRETE SLABS SHALL BE MADE AS SOON AS THE CONCRETE IS OF SUFFICIENT STRENGTH TO SAW WITHOUT RAVELING THE AGGREGATE. ANY TIME LAPSE GREATER THAN 6 HOURS AFTER PLACING THE CONCRETE SHALL BE PERMITTED ONLY IF APPROVED BY THE ENGINEER.

21. ADHESIVE ANCHORS WITH REBAR OR THREADED RODS, SHALL BE AS NOTED BELOW. INSTALL ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, WHICH MAY INCLUDE CLEANING THE HOLE WITH COMPRESSED AIR AND STEEL WIRE BRUSH, SCREEN TUBES, AND USING A MANUFACTURER APPROVED DISPENSING TOOL, WITH MIXING NOZZLE.
A. INTO CONCRETE: HILTI HIT-100 200 SAFE SET
B. INTO GROUTED OR NON-GROUTED CMU: HILTI HIT-HY 100 WITH APPROPRIATE SIZE SCREEN TUBES PER MANUFACTURER'S RECOMMENDATIONS.
C. IF THIS PROJECT IS IN SEISMIC ZONE D OR EMBEDMENT GREATER THAN 10" (SEE THE DESIGN LOAD NOTE SECTION), USE ONLY HILTI HIT-RE 200-3.
D. FOR STEEL ANCHORS, ASSURE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE TRAINING FOR THE ADHESIVE ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OR RECORD MUST RECEIVE DOCUMENTATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.

22. NO PIPING OR CONDUITS SHALL BE INSTALLED IN ANY CONCRETE WITHOUT THE APPROVAL OF THE ENGINEER.

23. ALL DOWELS, ANCHOR BOLTS, EMBEDDED STEEL, ELECTRICAL CONDUITS, PIPE, SLEEVES, PIPING, WATERSTOPS, INSERTS, GROUNDS, AND ALL OTHER EMBEDDED ITEMS AND FORMED DETAILS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT. FOR EMBEDDED ITEMS AND REQUIRED DETAILS, SEE MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS. VERIFY SIZE AND LOCATION OF ALL OPENINGS.

24. ALL PIPING AND DUCT PENETRATIONS THROUGH NEW STRUCTURAL SLABS ARE TO BE SLEEVED OR CHASED. NO CORING OF SLAB IS PERMITTED. ALL PIPING THROUGH EXISTING STRUCTURAL SLABS MAY BE CORED IF APPROVED BY ENGINEER.

25. VOID BOXES SHALL BE MANUFACTURED BY VOID FORM PRODUCTS (SUREVOID), INC. OF FORT WORTH, TEXAS (888-803-8643). THE BOXES SHALL BE CAPABLE OF SUSTAINING A LOAD OF 1000 POUNDS PER SQUARE FOOT. SHALL HAVE AN INTERIOR UNIFORM CELLULAR CONFIGURATION. SHALL BE RECTANGULAR IN SHAPE, AND SHALL BE COATED, NOT IMPREGNATED, WITH MOISTURE RESISTANT COMPOUND. ANY BOXES DAMAGED BY MOISTURE SHALL BE REPLACED PRIOR TO PLACING CONCRETE. REFER TO THE PLANS FOR THE DEPTH OF THE BOXES. ANY GAPS BETWEEN VOID BOXES SHALL BE COVERED WITH CARDBOARD BRIDGING. ARCOVOID PIER VOID PIECES SHALL BE INSTALLED AT THE PIERS UNDER THE GRADE BEAMS. ANY GAPS BETWEEN BOXES AND CONCRETE SHALL BE FILLED WITH MAXIMUM EXPENDIBLE FOAM.

26. VOID BOXES SHALL BE OF THE FOLLOWING DEPTHS:
A. VOID BOXES UNDER GRADE BEAM 8 INCHES
B. GRADE BEAM VOID BOXES SHALL NOT BE WRAPPED IN VAPOR-BARRIER SHEETS.

27. THE FOLLOWING VOID BOX RETAINERS TO BE USED BEHIND THE VOID BOXES TO RETAIN THE BACKFILL ARE ACCEPTABLE (CARC SHALL BE TAKEN DURING THE BACKFILL PROGRESS NOT TO DAMAGE THE RETAINERS):
A. R-TECH INSUL-SNAP (FILM BOTH SIDES) SQUARE EDGE RIGID INSULATION
1) 2 INCH FOR OVER 8 INCH VOID BOXES
2) 1 1/2 INCH FOR 8 INCH AND UNDER VOID BOXES
B. SUREVOID SURF RETAINERS BY MOTZBLICK
C. SUREVOID BACKFILL RETAINER
1) 13 MIL FOR OVER 8 INCH VOID BOXES
2) 10 MIL FOR 8 INCH AND UNDER VOID BOXES

28. THE 10 MIL VAPOR RETARDER INDICATED ON THE SECTIONS SHALL BE EITHER STEEL 10 MIL CLASS A VAPOR RETARDER VAPOR BLOCK 10 BY RAVEN INDUSTRIES, OR YELLOW GAUGE-10 10 MIL BY POLY AMERICA. USE STEEL, RAVEN, OR YELLOW GAUGE TAPE AT ALL LAPS AND PENETRATIONS.

2. BEFORE FABRICATION, SHOP DRAWINGS OF THE METAL BUILDING SHALL BE SUBMITTED TO EKON. FOR REVIEW AND COMMENT.
3. THE METAL BUILDING SHALL BE DESIGNED FOR THE FOLLOWING MINIMUM LOADS AND SHALL BE DESIGNED IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE:
 - A. MAIN FRAMES: 20 PSF (THIS SHALL NOT BE REDUCED)
 - B. COMPONENTS: 20 PSF (THIS SHALL NOT BE REDUCED)
 - C. COLLATERAL LOAD: 6 PSF
 - D. WIND LOAD: PER ASCE 7-10
 - E. 1 SECOND GUST DESIGN WIND SPEED= 120 MPH
 - F. EXPOSURE CATEGORY: C
 - G. ASSESS ALL WINDOWS AND OR DOORS ARE OPENINGS FOR THE ENCLOSURE CLASSIFICATION, BUT ASSUME THEY ARE CLADDING FOR THE CALCULATION OF LOADS ON SECONDARY FRAMING.
 - H. SNOW LOAD: 10psf PSF
 - I. EARTHQUAKE DESIGN DATA:
 - A) SEISMIC IMPORTANCE FACTOR: I = 1.25
 - B) MAPPED SPECTRAL RESPONSE ACCELERATIONS: $S_s=0.68$ $S_1=0.044$
 - C) SOI SITE CLASS: D
 - D) SEISMIC DESIGN CATEGORY: B
3. THE LATERAL DEFLECTION OF THE LATERAL FORCE RESISTING SYSTEMS SHALL NOT EXCEED $H/180$ FOR ANY BUILDING, AND $H/300$ FOR ANY BUILDING WITH MASONRY VENEER HIGHER THAN 8 FEET ABOVE FINISH FLOOR. THE LATERAL DEFLECTION OF THE GIRTS AND METAL SIDING SHALL BE $L/240$ FOR ANY WALL, AND $L/240$ FOR ANY TRIBUTARY AREA WITH MASONRY VENEER.
4. ALL COLD-FORMED STEEL SHALL BE DESIGNED BY THE METAL BUILDING ENGINEER PER AISI-NASPEC 2001. THE FOLLOWING ARE ADDITIONAL, MINIMUM REQUIREMENTS FOR THE RURLINS AND GIRTS ON THIS PROJECT:
 - A. BOTH FLANGES SHALL BE BRACED AT 8 FT OC MAXIMUM
 - B. BRACING LINES SHALL CONSIST OF 16 GAUGE STRAPS X 1" WITH A #12 SCREW AT EACH FLANGE
 - C. BRACING LINES SHALL BE BRACED WITH 2 HORIZONTAL AND 2 DIAGONAL, 1.5X1.5X16 GAUGE ANGLES AT EACH END, AT BOTH SIDES OF RIDGES, AND AT 50 FT OC MAXIMUM. HORIZONTAL ANGLES SHALL BE COPED AND ATTACHED TO EACH FLANGE WITH 2 #12 SCREWS. ATTACH DIAGONALS TO HORIZONTALS WITH 2 #12 SCREWS.
 - D. BRACING STRUCTURE SHALL BE DETAIL ON FLANGES THAT ARE BRACED WITH THROUGH-FASTENED ROOF PANELS OR METAL SIDING.
5. THE METAL BUILDING ENGINEER SHALL DETERMINE THE DIAMETER OF THE ANCHOR BOLTS REQUIRED FOR THE TYPICAL ANCHOR BOLT DETAIL.
6. WHERE MASONRY VENEER IS HIGHER THAN 8 FT AFF, GIRTS SHALL BE PROVIDED AT A MAXIMUM SPACING OF 5 FEET ON CENTER FOR VENEER ANCHORAGE WITH THE FIRST GIRT AT 5 FT AFF. ADDITIONAL WIND COLUMNS AND GIRTS MAY BE REQUIRED.

THE FOLLOWING DESIGN LOADS WERE USED FOR THIS BUILDING BASED ON THE 2012 INTERNATIONAL BUILDING CODE:

OFFICES: 50 PSF
CORRIDORS: 100 PSF
ASSEMBLY AREAS: 100 PSF
LIGHT STORAGE AREAS: 125 PSF
MECHANICAL ACCESS SPACE: 50 PSF
MECHANICAL ROOMS: 150 PSF
ALL OTHER AREAS: 100 PSF

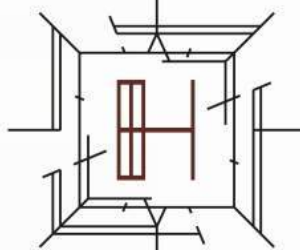
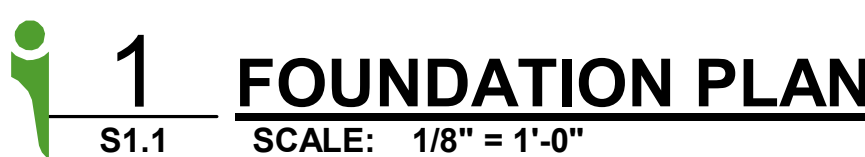
ROOF SNOW LOAD
GROUND SNOW LOAD = 5 PSF
FLAT-ROOF SNOW LOAD = 5 PSF

BASIC WIND SPEED (3 SECOND GUST): 120 MPH
WIND EXPOSURE CATEGORY: C
INTERNAL PRESSURE COEFFICIENTS: +/- 0.18
ALL NEW COMPONENTS AND CLADDING NOT DESIGNED BY THE ENGINEER SHALL BE DESIGNED FOR 25 PSF UNLESS OTHERWISE APPROVED BY THE ENGINEER

SEISMIC IMPORTANCE FACTOR, I: 1.25
 MAPPED SPECTRAL RESPONSE ACCELERATIONS: SS=0.08 S1=0.044
 SITE CLASS: D
 SEISMIC DESIGN CATEGORY: B

PROVIDE SPECIAL INSPECTIONS PER THE IBC FOR THE FOLLOWING:

- A. EXISTING SOIL**
 - a. STANDARD PROCTOR FOR EACH SOIL TYPE
 - b. IN-SITU MOISTURE CONTENT AND DENSITY - ONE TEST PER 3,000 SF OR 3 MIN PER FOOT SELECT PIER
- B. STANDARD PROCTOR AND ATTERBERG LIMITS FOR EACH SOURCE**
 - a. IN-SITU MOISTURE CONTENT AND DENSITY - ONE TEST PER 3,000 SF OR 3 MIN PER FOOT CONCRETE
 - b. REBAR SIZE, SPACES AND LOCATION
 - c. SOIL TYPE, SLUMP, COMPACT & TEMPERATURE FOR EACH 75 YARDS OF CONCRETE
 - d. PIER DRILLING AND PIER CONNECTION PLACEMENT
 - e. PROVIDE BATCH TICKETS AND MATCH WITH APPROVED MIX DESIGNS
 - f. VERIFY THE INTEGRITY AROUND VOID SPACES
- C. OBSERVE ALL CONCRETE PLACEMENT**
- D. PRE-FABRICATED METAL BUILDING**
 - a. MEMBER AND CONNECTION SIZES AND LAYOUT
 - b. MEMBER, BOLT, NUT, FIELD AND WELD MATERIAL - 1 TIME
 - c. VISUAL OBSERVATION OF THE FOLLOWING OPERATIONS:
 - i. BOLTING PROCEDURE
 - ii. SINGLE PASS FILLET WELDS LESS THAN OR EQUAL TO 5/16" - 1 TIME
 - iii. SINGLE PASS FLARE, BEVEL OR VEE WELDS - 1 TIME
 - iv. ALL OTHER WELDS COVERED



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FOUNDATION

PLAN AND NOTES

SHEET NO.

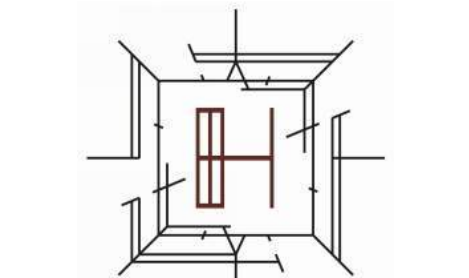
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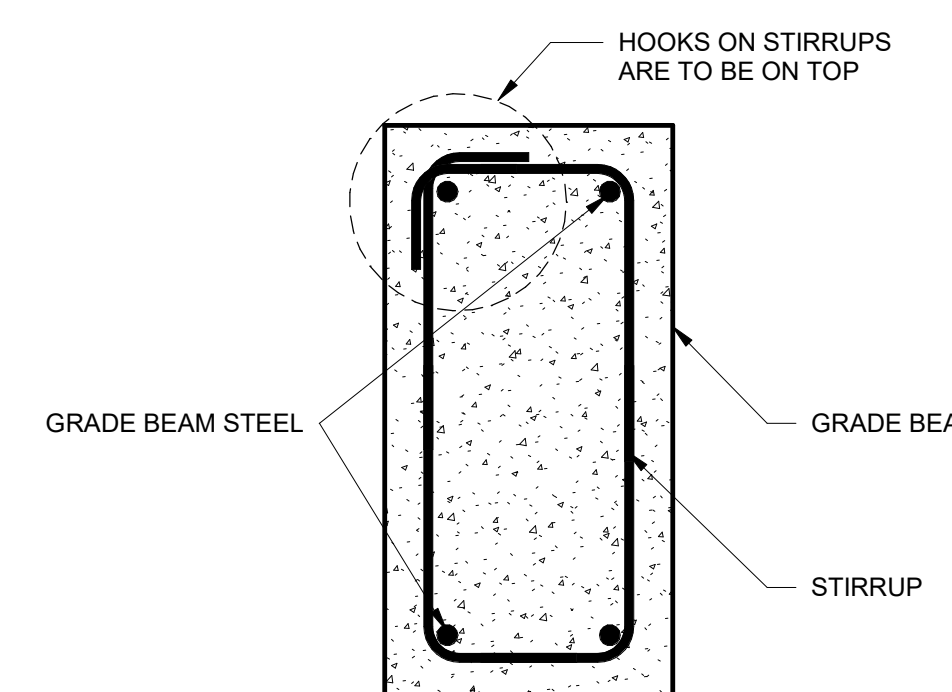
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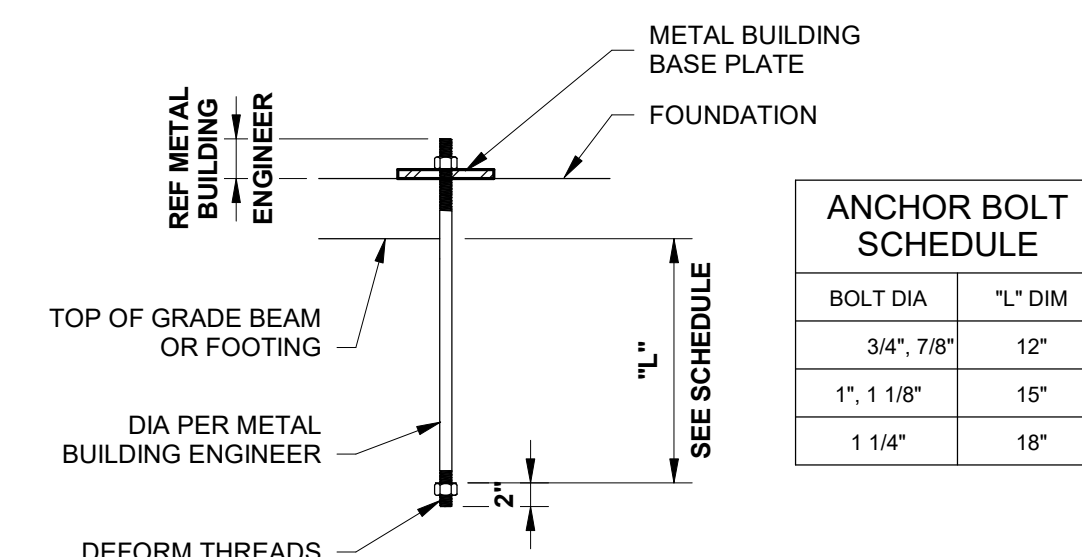
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FOUNDATION
TYPICAL DETAILS

SHEET NO.

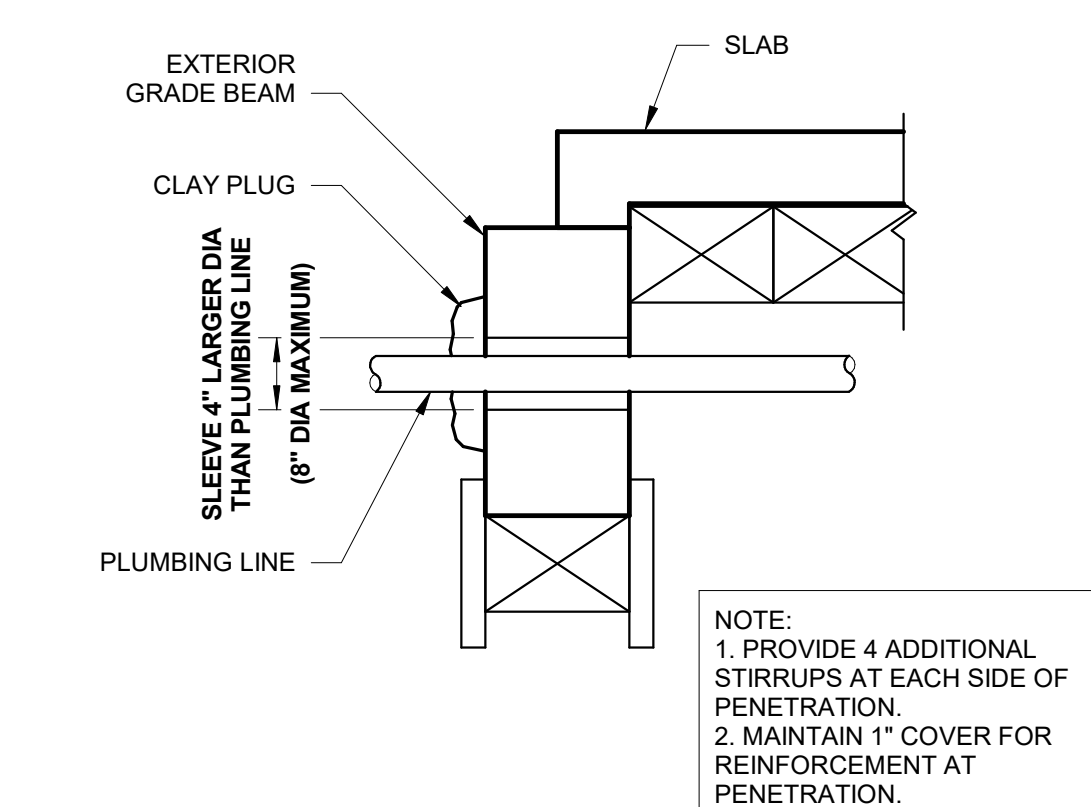
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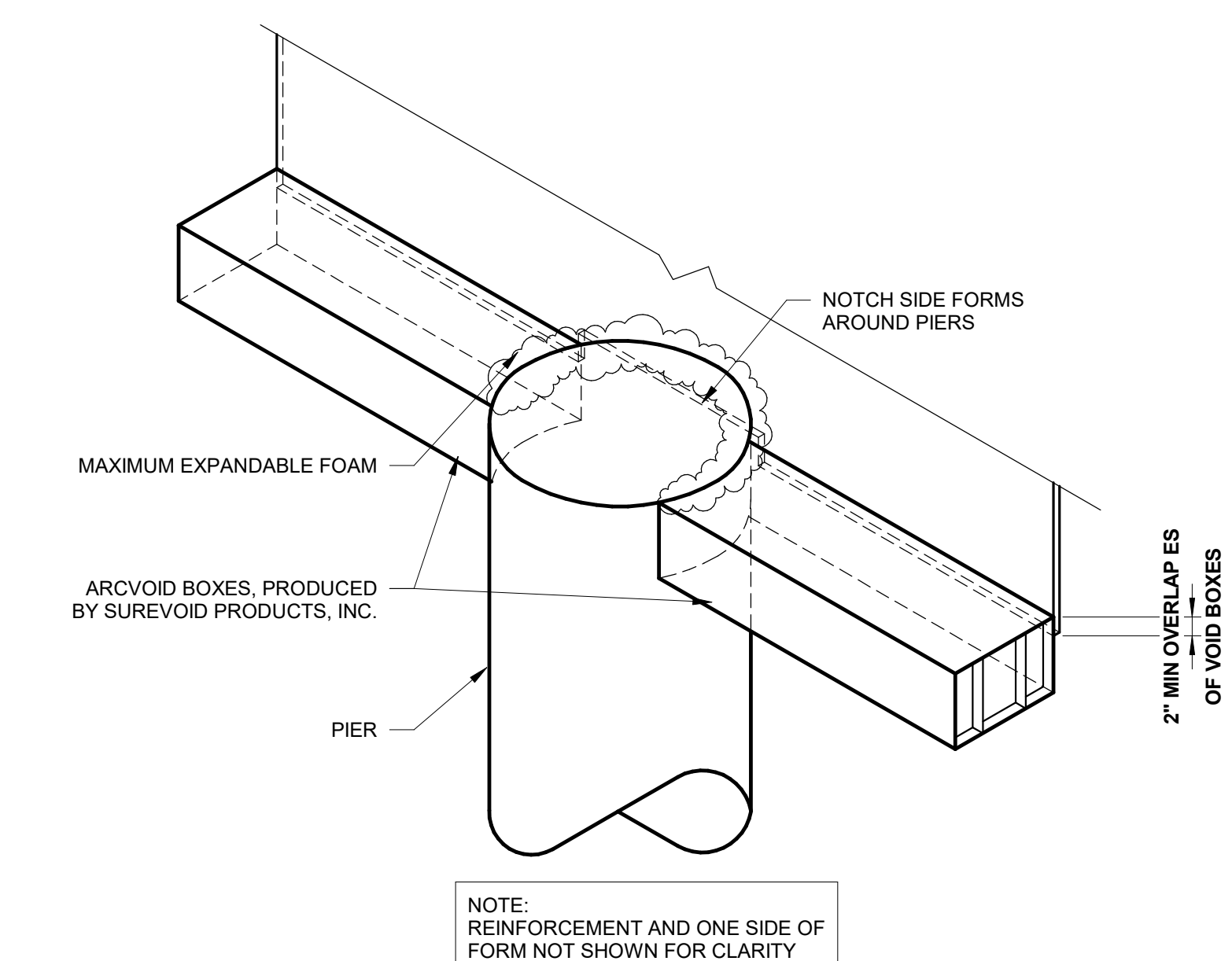
11 **TYPICAL STIRRUP ORIENTATION**
DETAIL
 S2.1 SCALE: 1 1/2" = 1'-0"



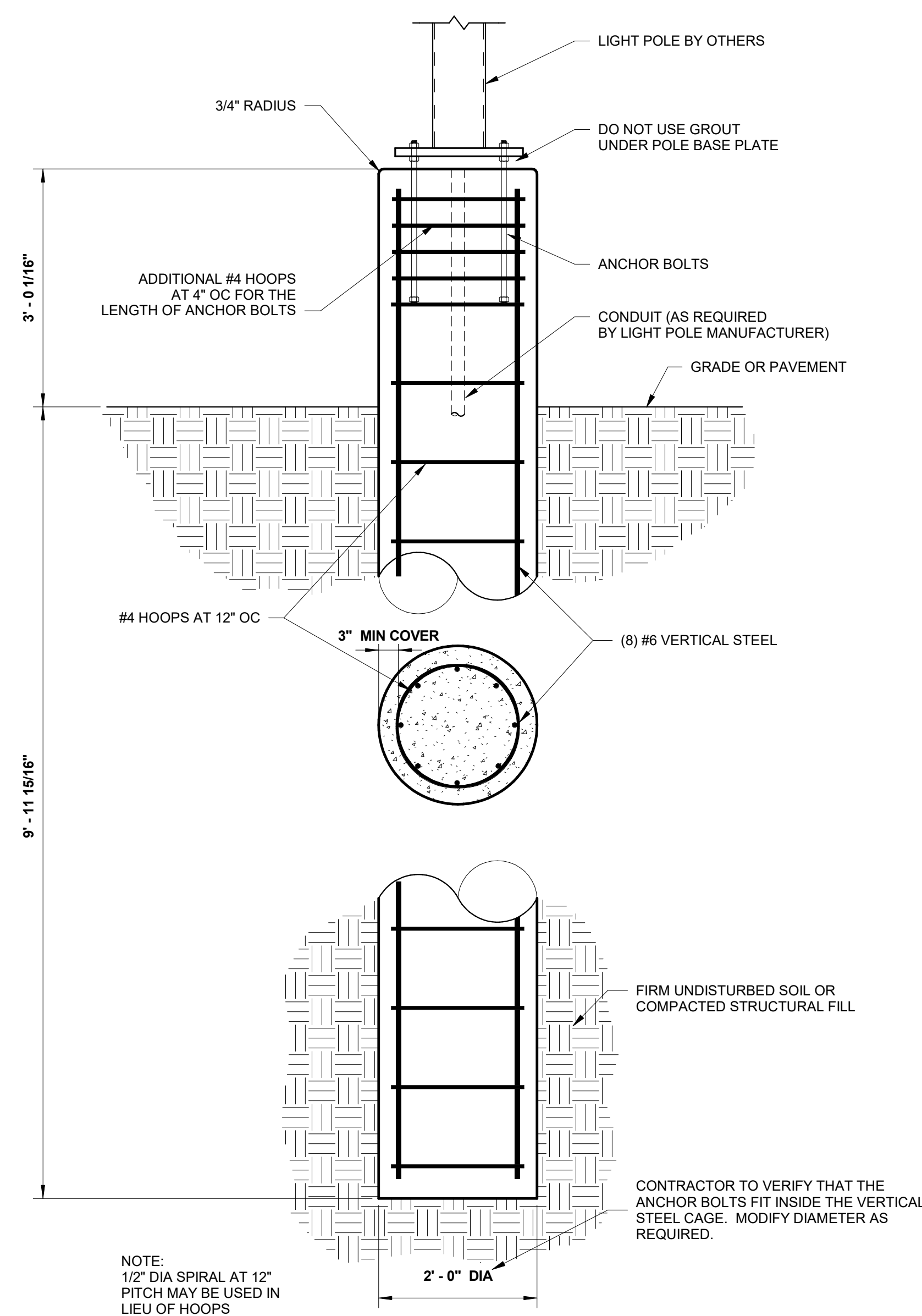
12 TYPICAL METAL BUILDING ANCHOR BOLT DETAIL



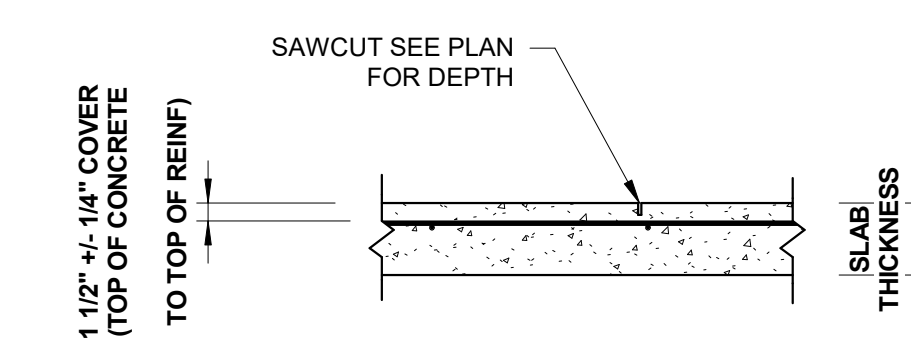
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S2.1 **TYPICAL PLUMBING LINE
PENETRATION DETAIL**
SCALE: 3/4" = 1'-0"



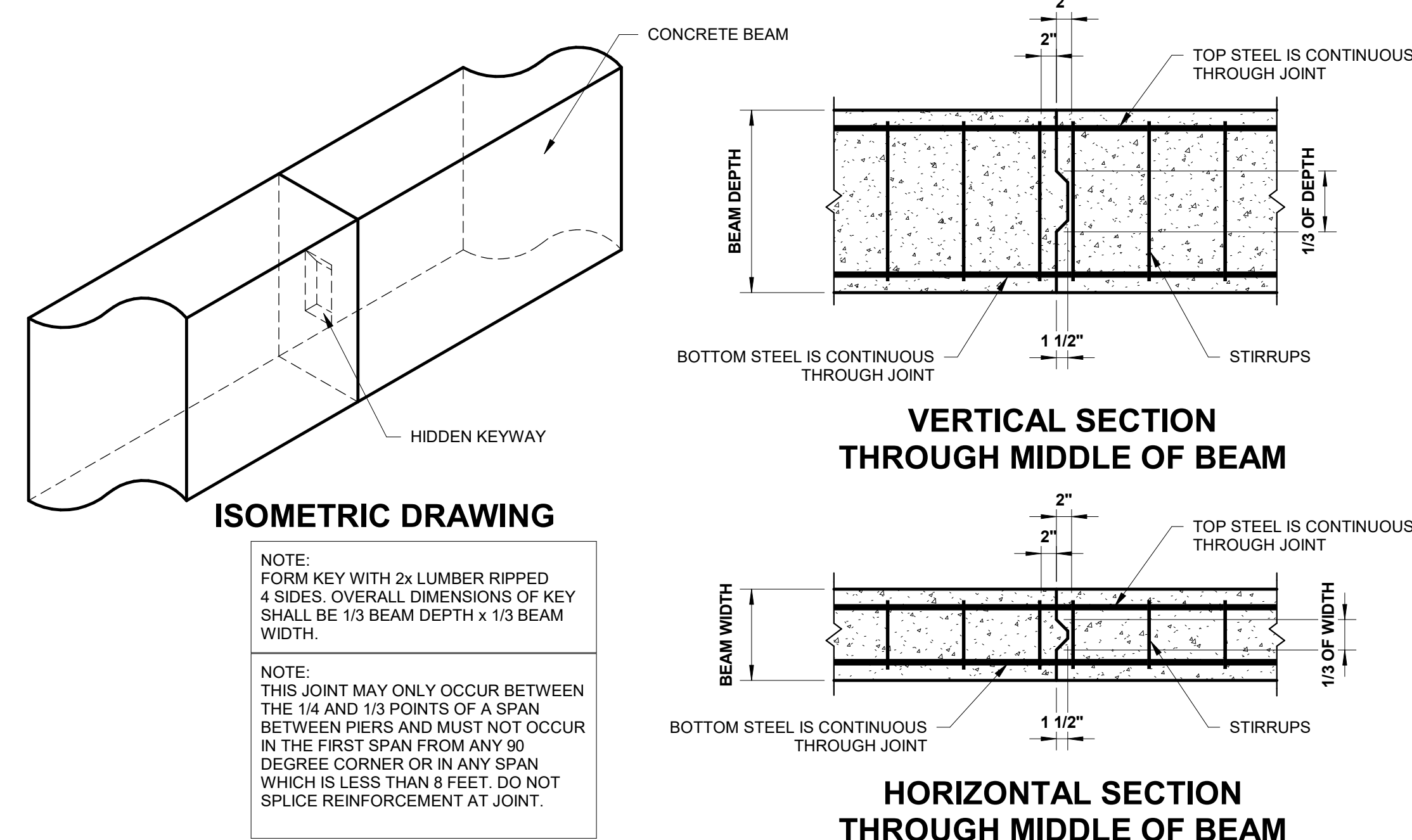
7 TYPICAL PIER VOID BOX DETAIL



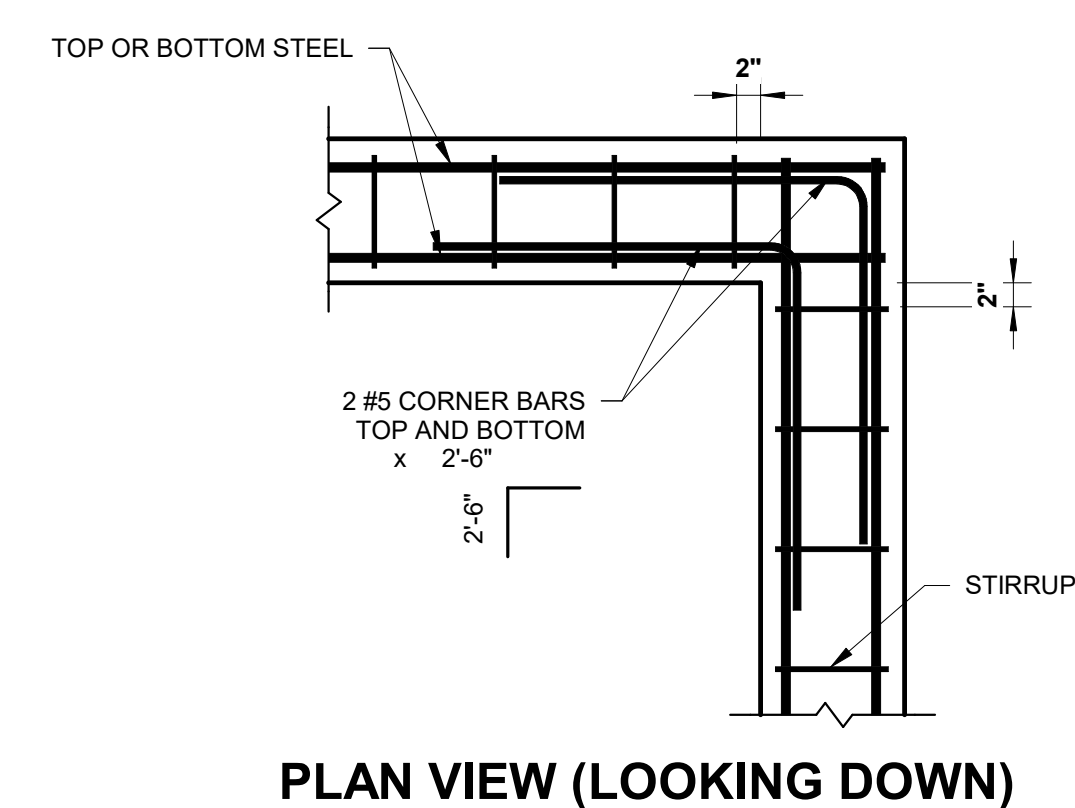
10 **TYPICAL LIGHT POLE DETAIL**
S2.1 SCALE: 3/4" = 1'-0"



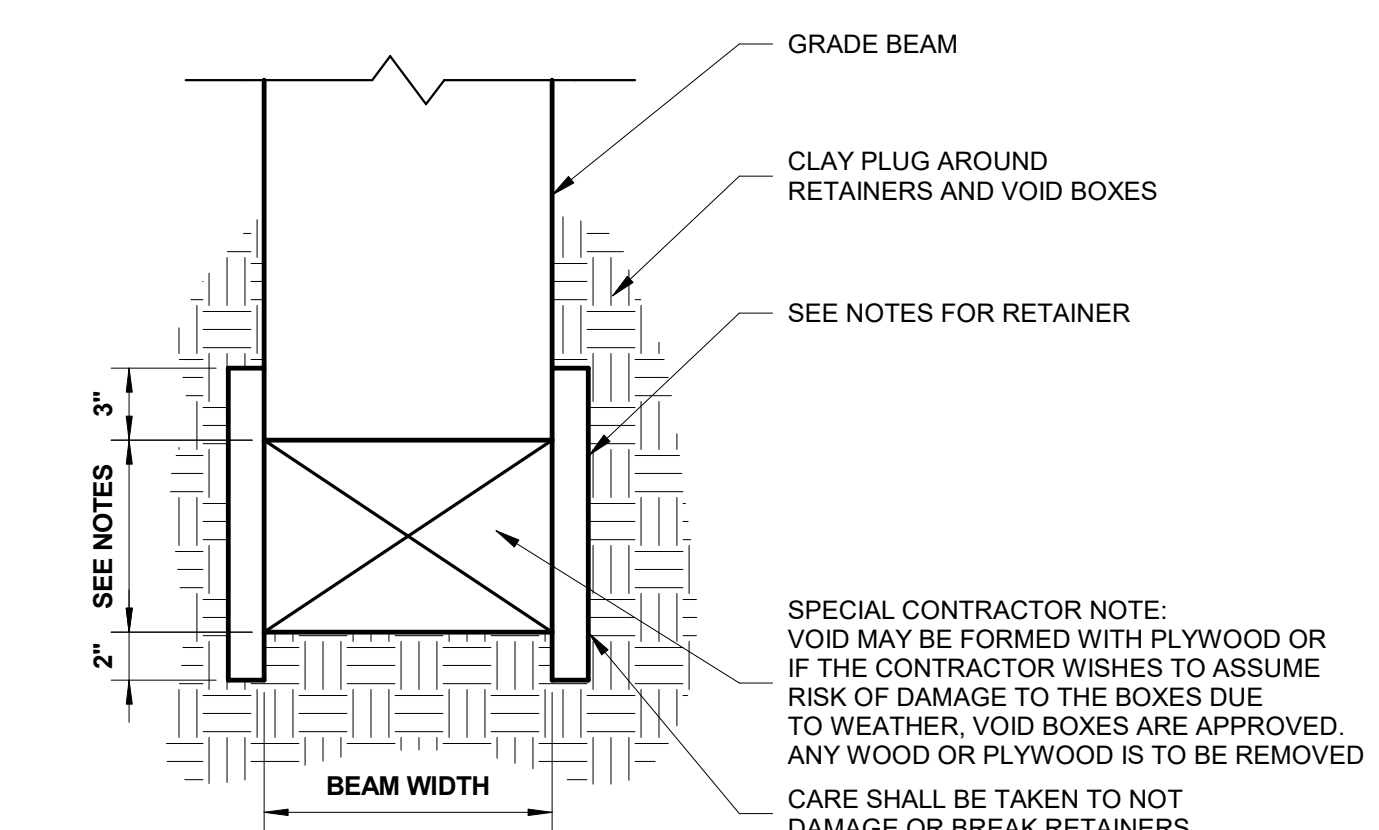
9 TYPICAL SLAB REINFORCEMENT AND SAWCUT DETAIL



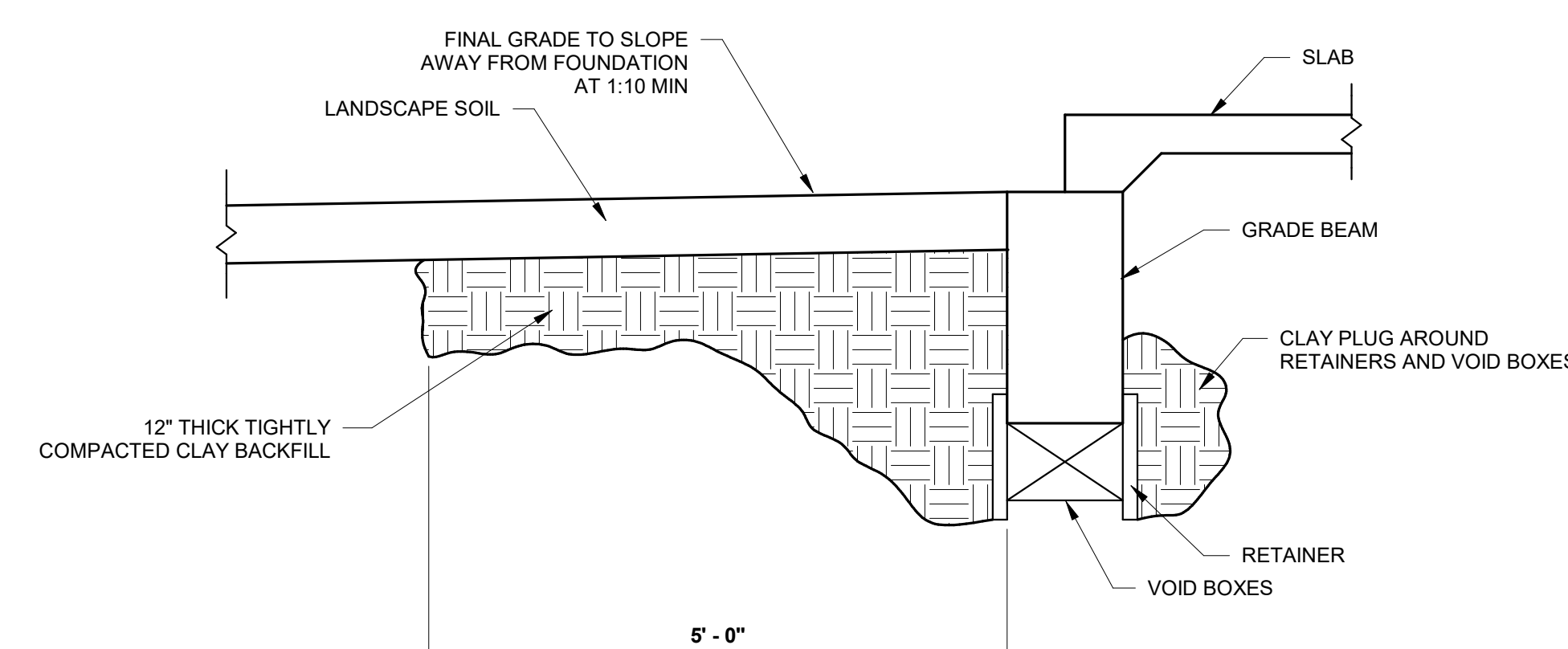
TYPICAL BEAM CONSTRUCTION JOINT
DETAIL
SCALE: 3/4" = 1'-0"



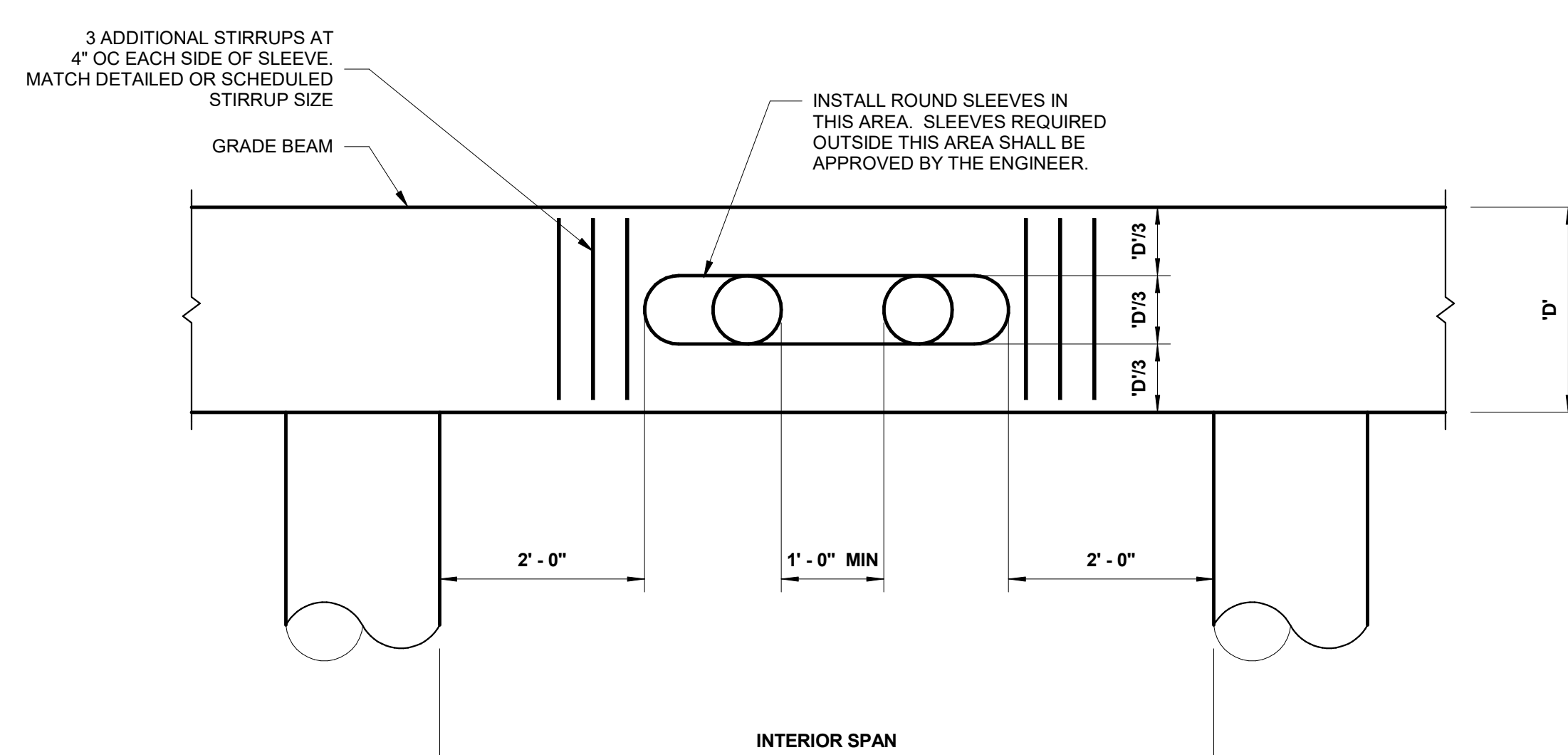
4 **TYPICAL CORNER BAR DETAIL**
S2.1 SCALE: 3/4" = 1'-0"



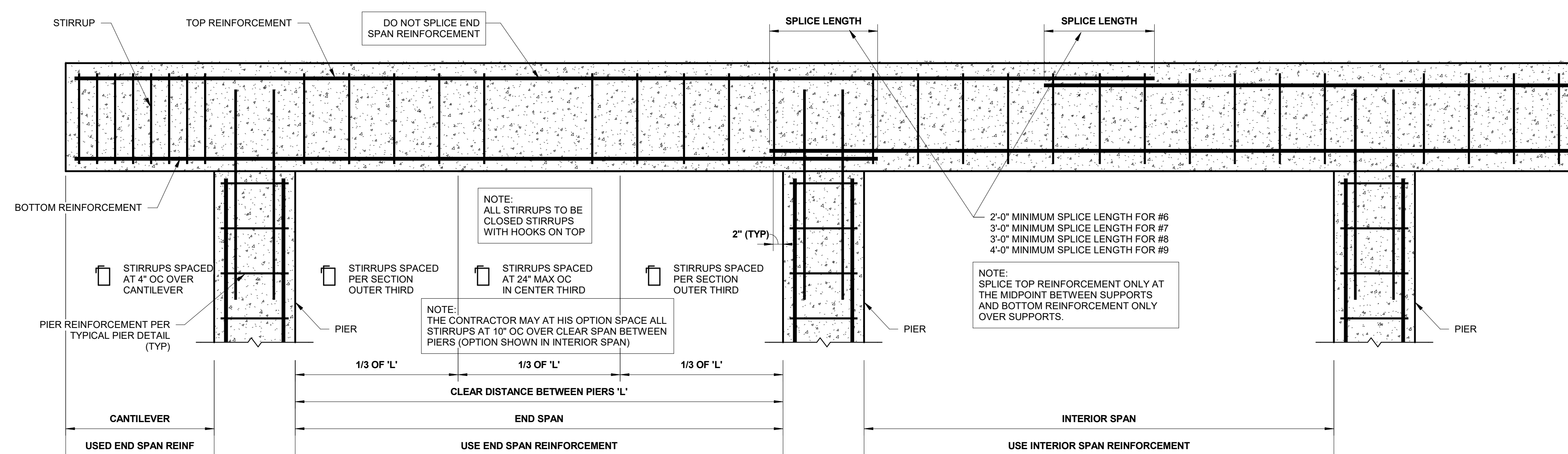
3 **TYPICAL CONCRETE VOID BEAM**
DETAIL
S2.1 SCALE: 1 1/2" = 1'-0"



6 **TYPICAL GRADE BEAM BACK FILL**
DETAIL
S2.1 SCALE: 3/4" = 1'-0"



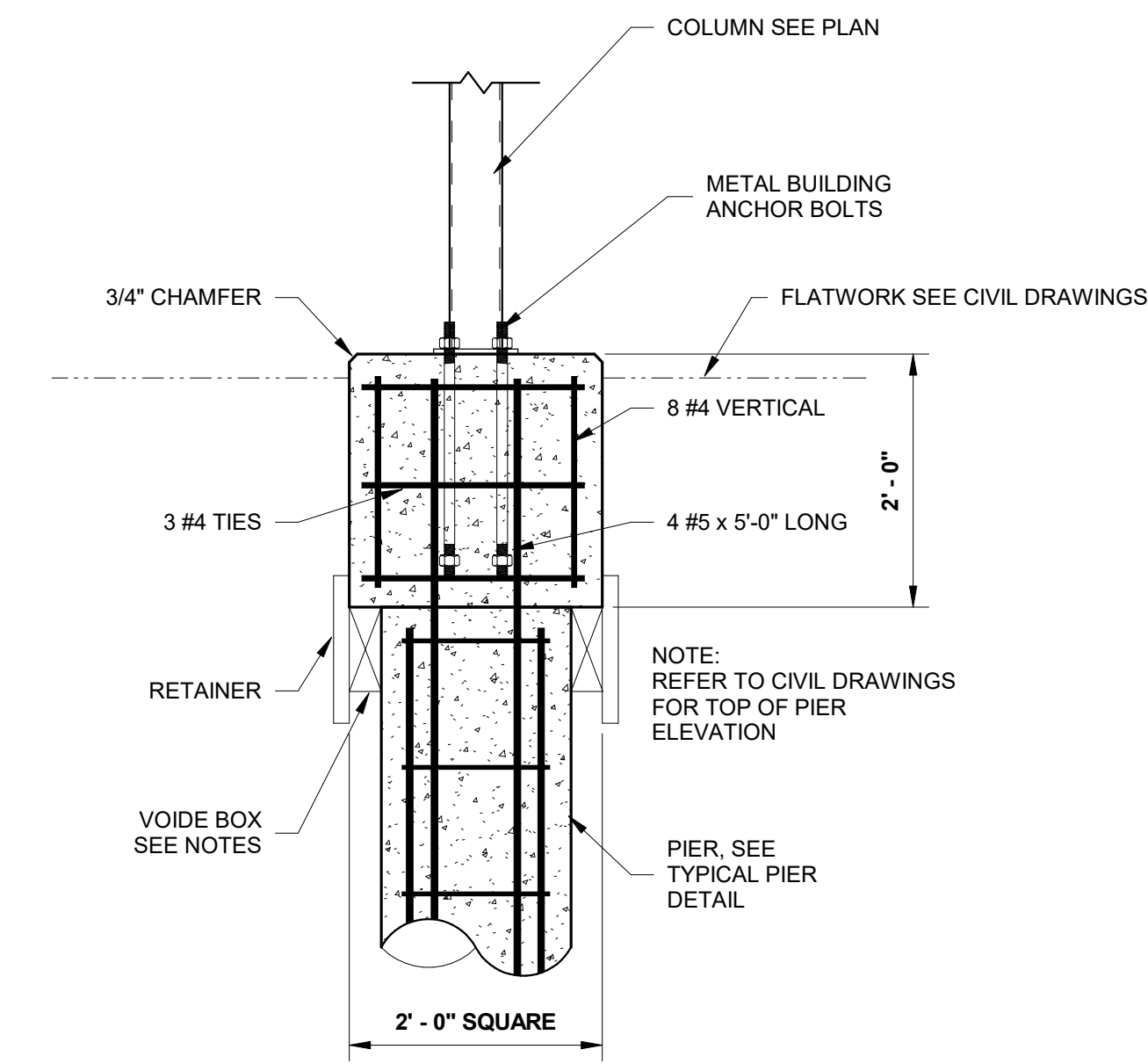
2 **TYPICAL CONCRETE BEAM SLEEVE**
DETAIL
S2.1 SCALE: 3/4" = 1'-0"



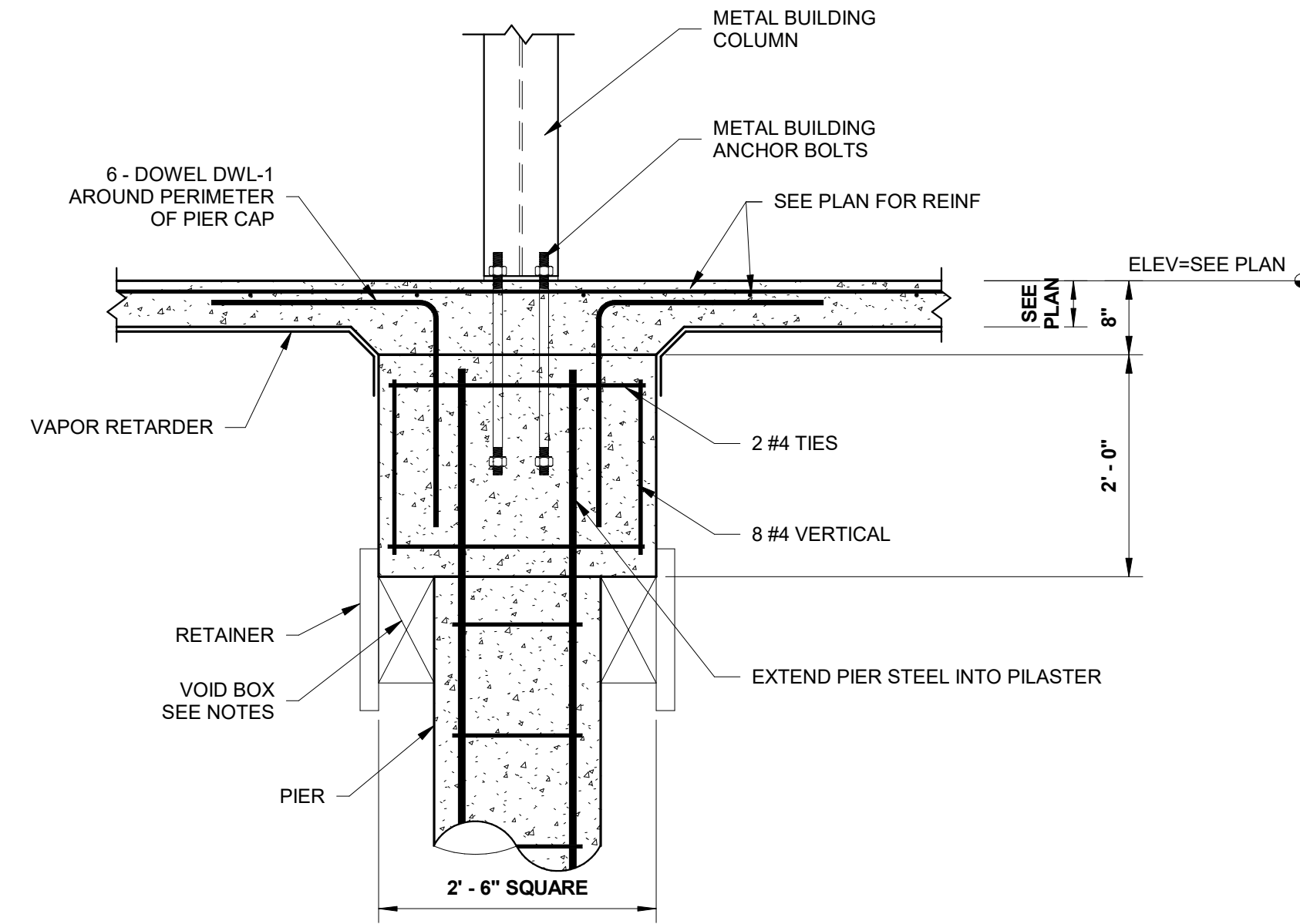
1 TYPICAL CONCRETE BEAM REINFORCEMENT DETAIL



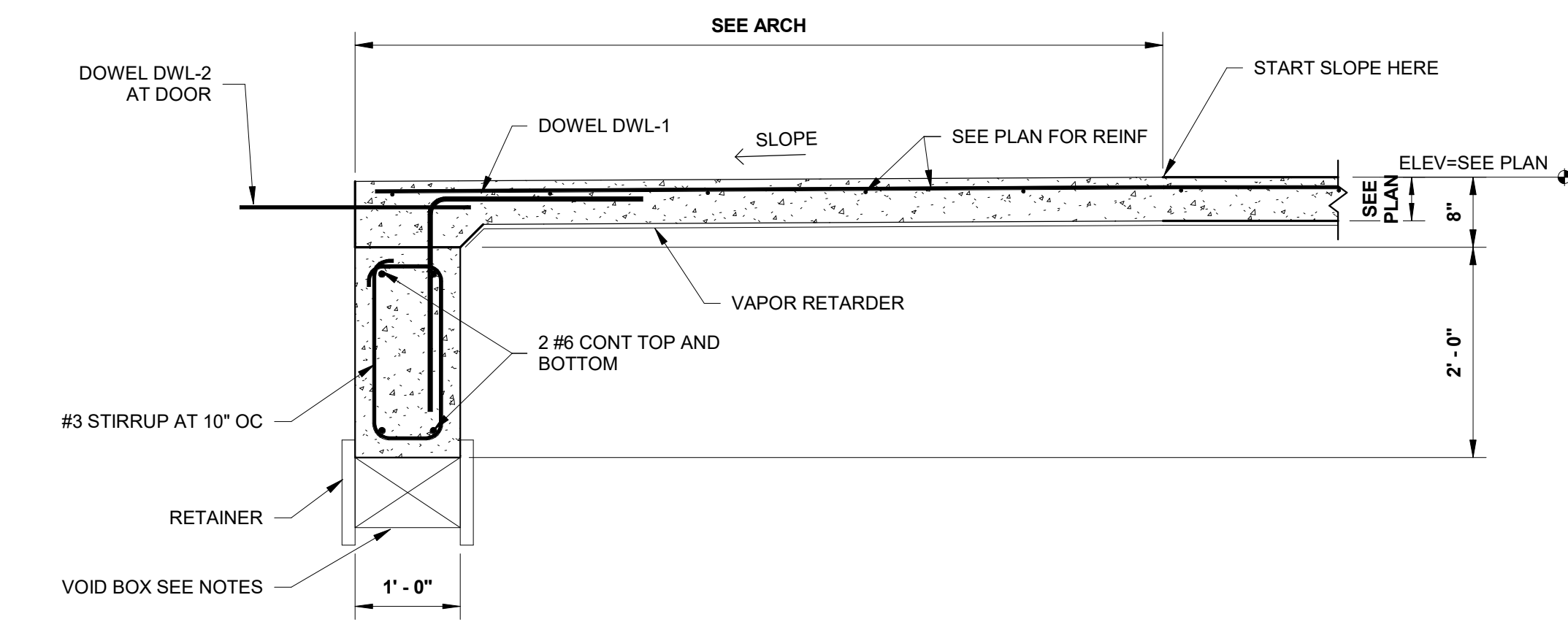
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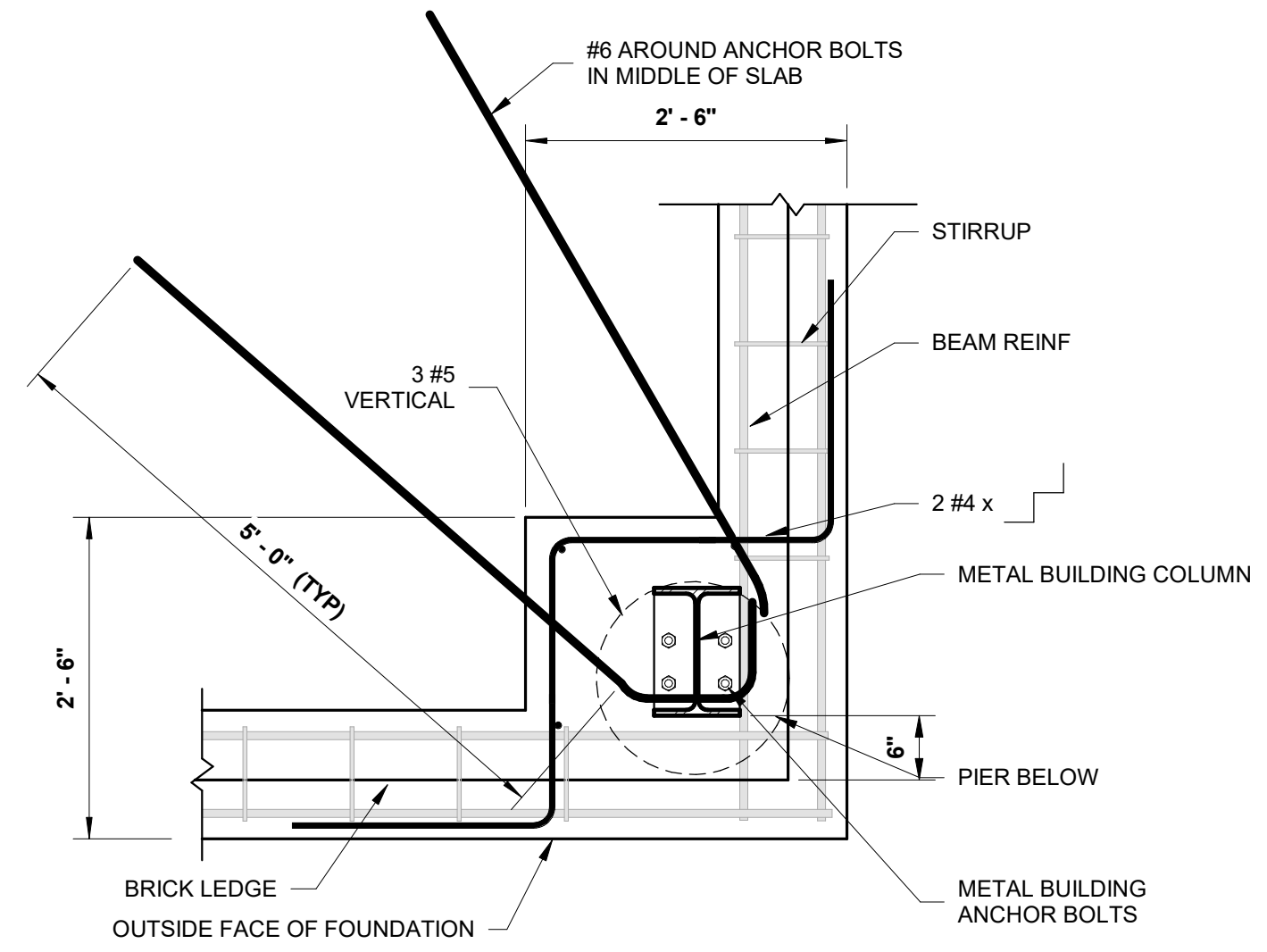
9 SECTION
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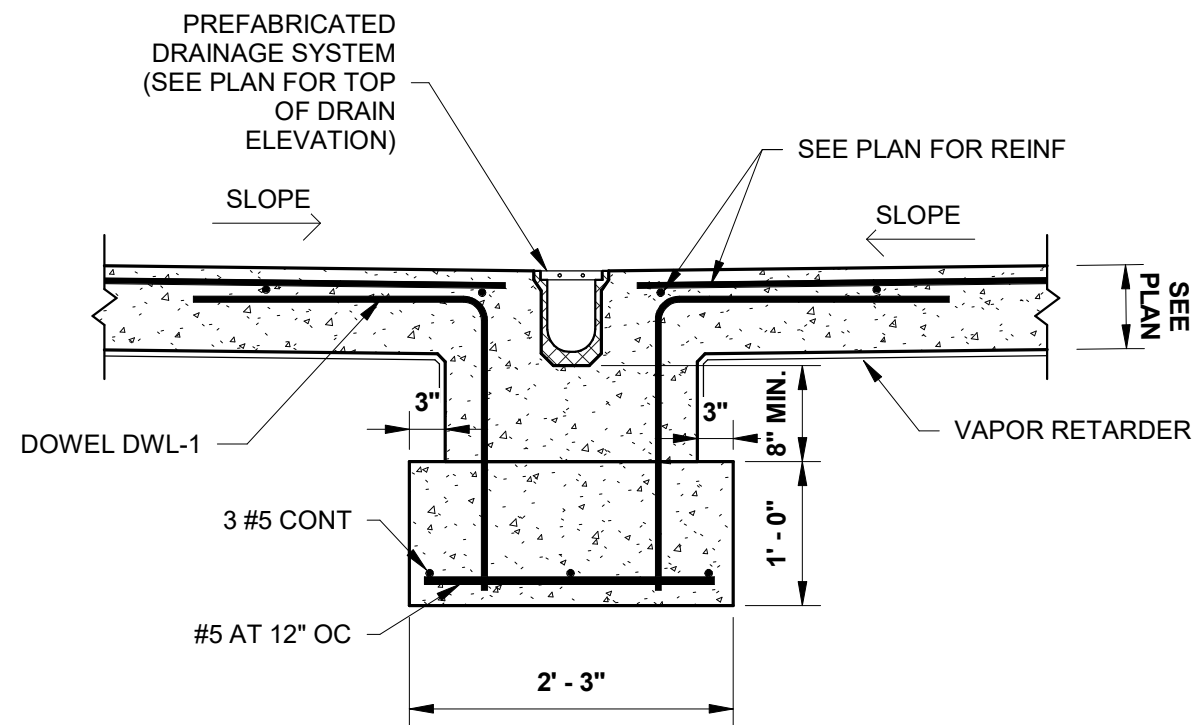
8 SECTION
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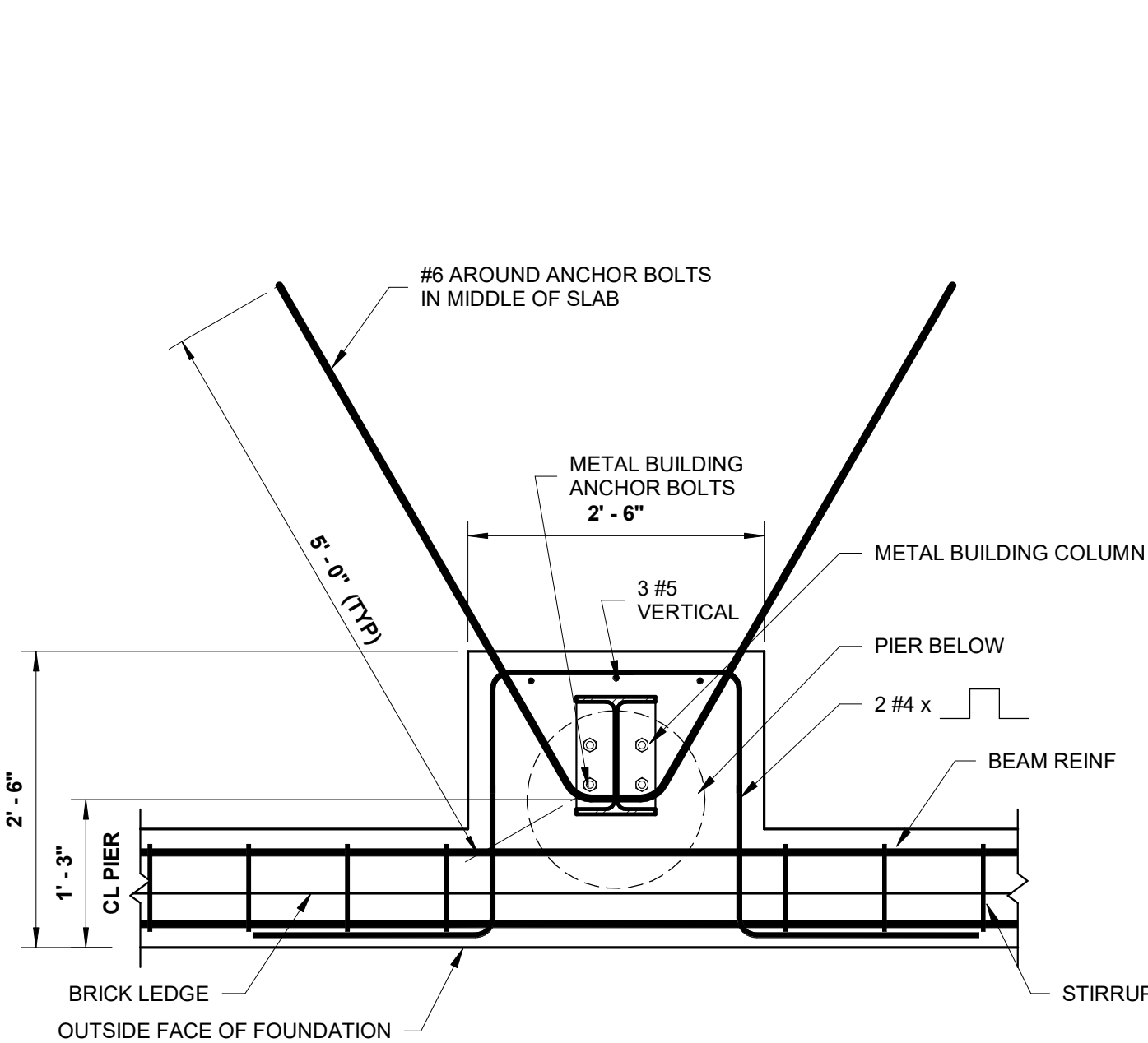
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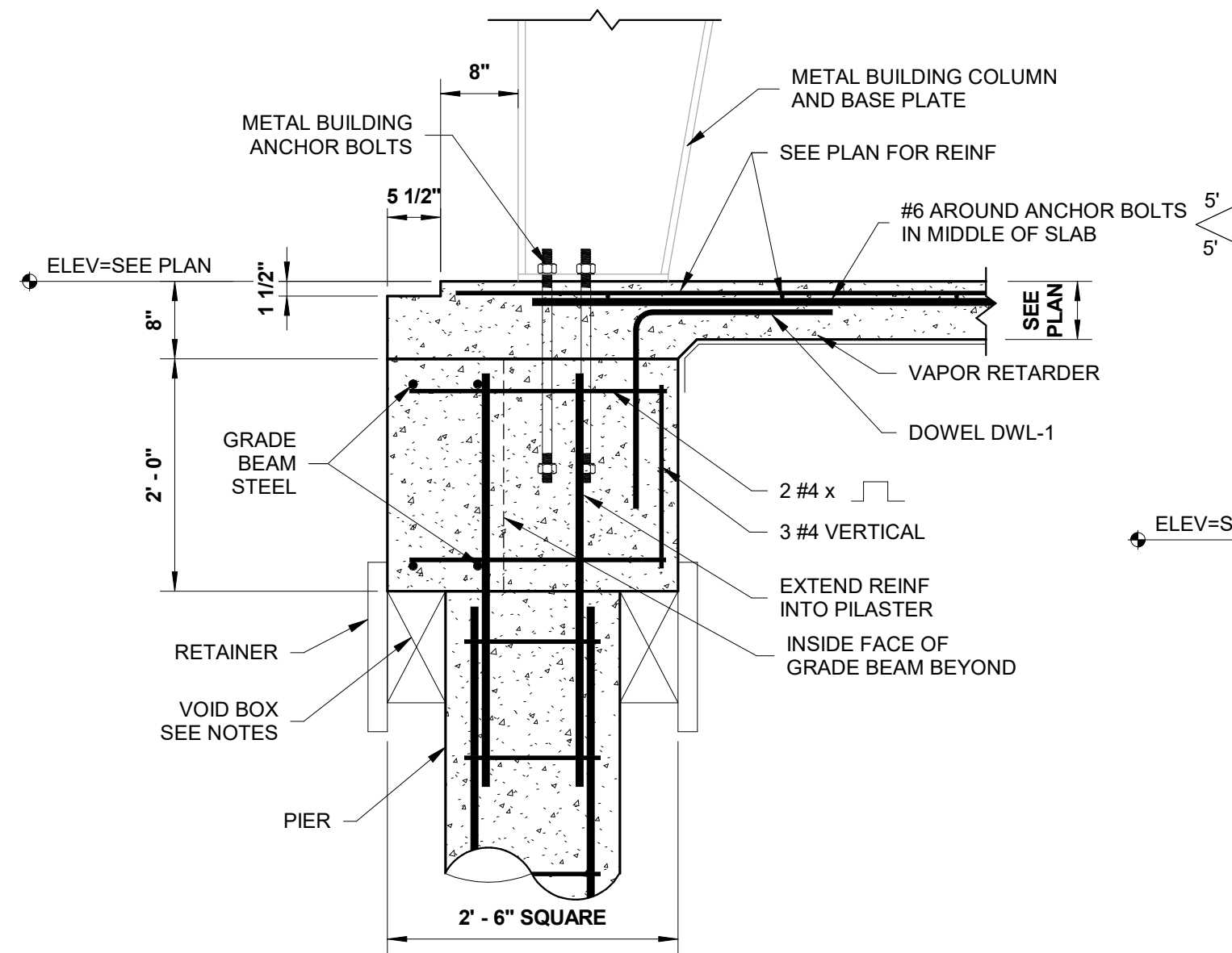
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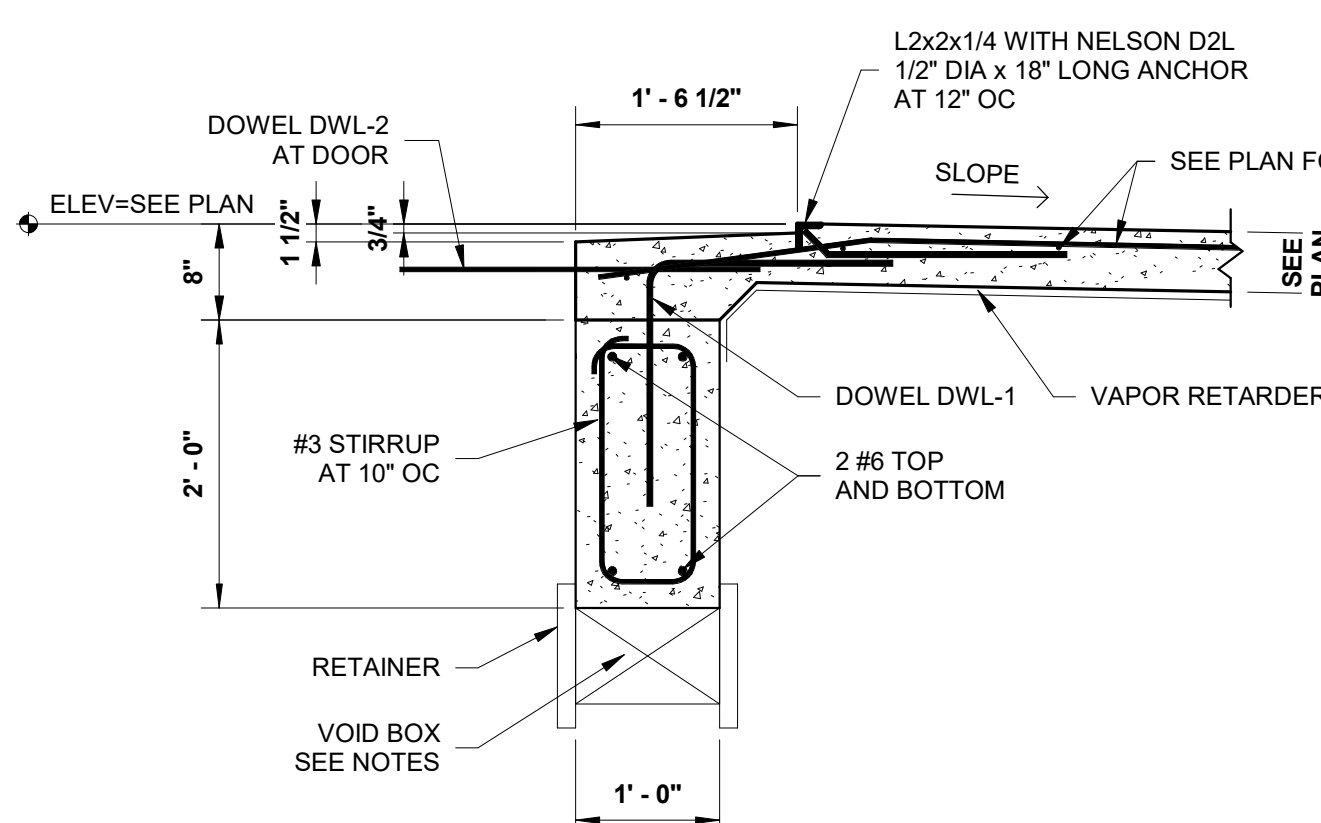
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S3.1 SCALE: 3/4" = 1'-0"



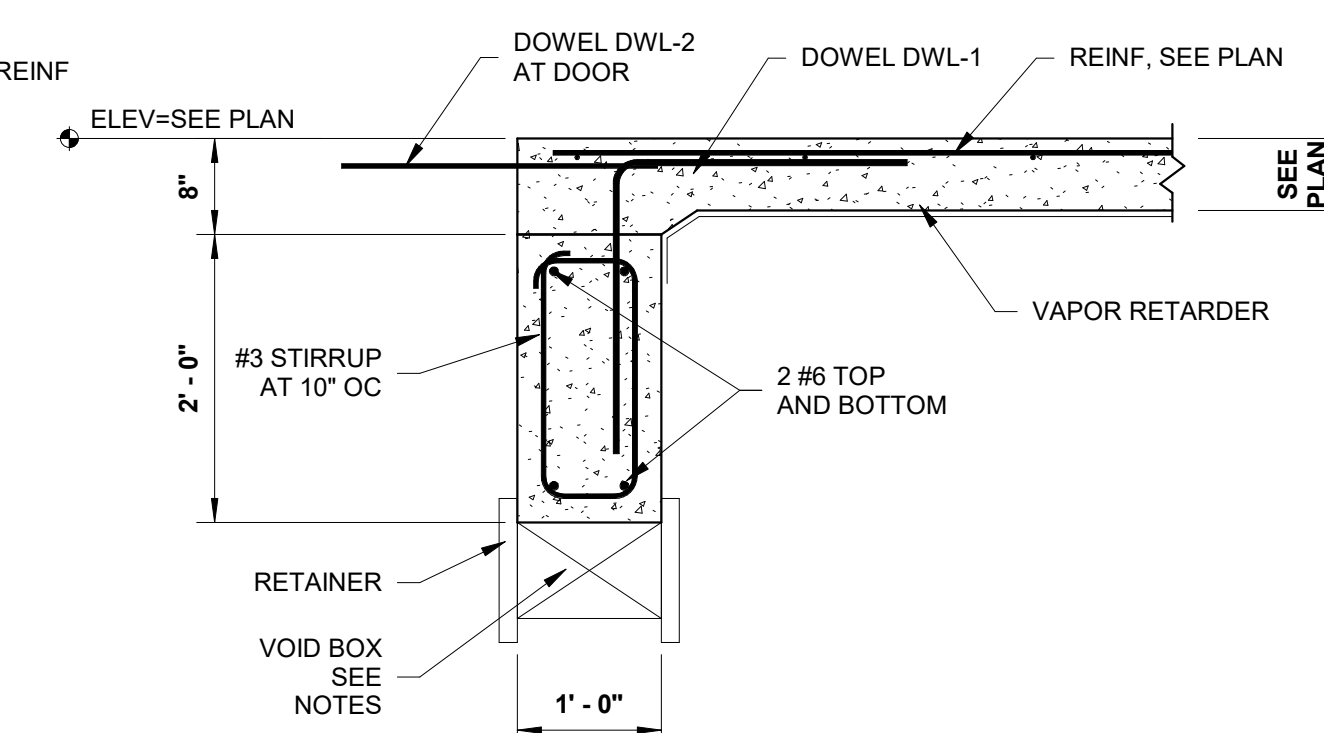
5 DETAIL
S3.1 SCALE: 3/4" = 1'-0"



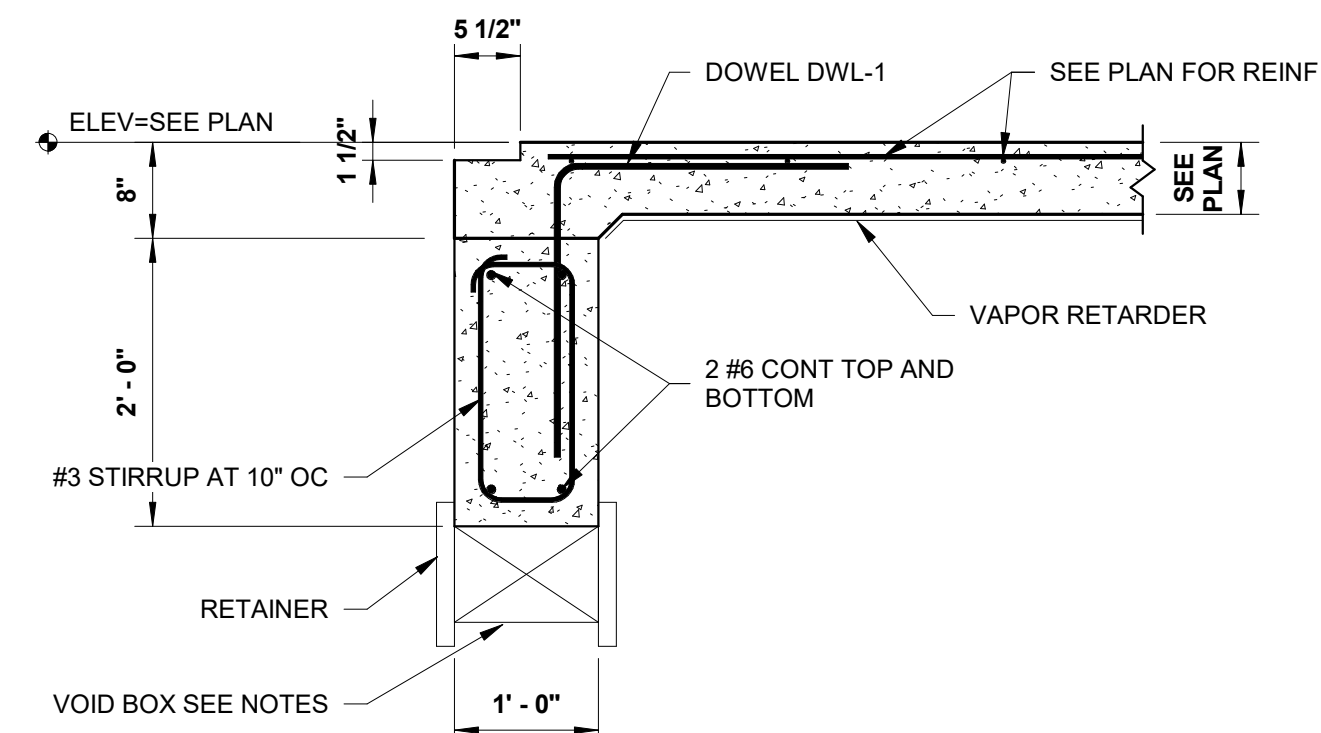
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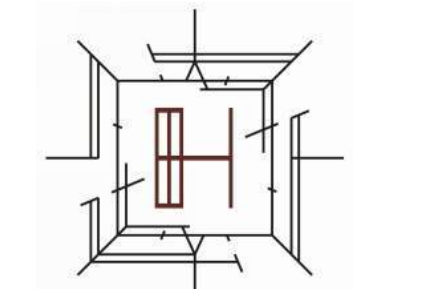
3 SECTION
S3.1 SCALE: 3/4" = 1'-0"



2 SECTION
S3.1 SCALE: 3/4" = 1'-0"



1 SECTION
S3.1 SCALE: 3/4" = 1'-0"



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DATE
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CONSTRUCTION DOCUMENTS
SHEET TITLE
FOUNDATION SECTIONS

SHEET NO.
S3.1

GATE HARDWARE - BASIS OF DESIGN

LATCH: ADAMS RITE NARROW STYLE 4510 DEMO LATCH
LOCK BOX: WELDABLE BOX KBXAR
LATCH HANDLE: ADAMS RITE LEVER 4560
HINGES: 4" X 72 SAINLESS STEEL MONROE HINGE AND STAMPING # CS 1254 0072

GATE HARDWARE - BASIS OF DESIGN

CASTERS: CASTER CITY MODEL 50
CANE BOLT: 3/4" DIA X 36" STAINLESS STEEL CANE BOLT HARDWARE SOURCE
HINGES: 4" X 72 STAINLESS STEEL HINGE HEAVY DUTY MONROE HINGE AND STAMPING # CS 1254 0072

NOTE: PAINT ALL EXPOSED STEEL - SILVER FINISH.
13 CORNER DUMPSTER ENCLOSURE WALL DETAIL
3" = 1'-0"

NOTE: PAINT ALL EXPOSED STEEL - SILVER FINISH.
12 INTERMEDIATE DUMPSTER ENCLOSURE WALL DETAIL
3" = 1'-0"

NOTE: PAINT ALL EXPOSED STEEL - SILVER FINISH.
SIM: AT STRIKE SIDE WITHOUT HINGE
11 MAN GATE JAMB
3" = 1'-0"

NOTE: PAINT ALL EXPOSED STEEL - SILVER FINISH.
10 GATE HINGE/JAMB DETAIL
3" = 1'-0"

NOTE: PAINT ALL EXPOSED STEEL - SILVER FINISH
9 DUMPSTER ENCLOSURE WALL
1" = 1'-0"

NOTE: PAINT ALL EXPOSED STEEL - SILVER FINISH
8 DUMPSTER MAN GATE
1/2" = 1'-0"

7 DUMPSTER ENCLOSURE GATE
1/2" = 1'-0"

6 SIDE ELEVATION
1/4" = 1'-0"

5 REAR ELEVATION
1/4" = 1'-0"

4 SIDE ELEVATION
1/4" = 1'-0"

3 FRONT ELEVATION
1/4" = 1'-0"

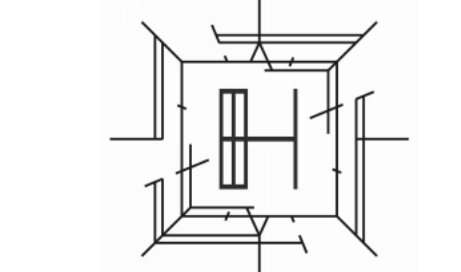
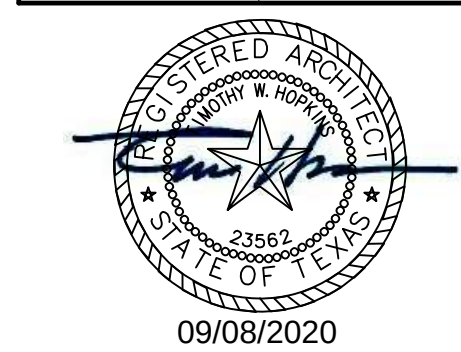
2 DUMPSTER ENCLOSURE
1/4" = 1'-0"

1 ARCHITECTURAL SITE PLAN
1/32" = 1'-0"

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SHEET TITLE
ARCHITECTURAL SITE PLAN

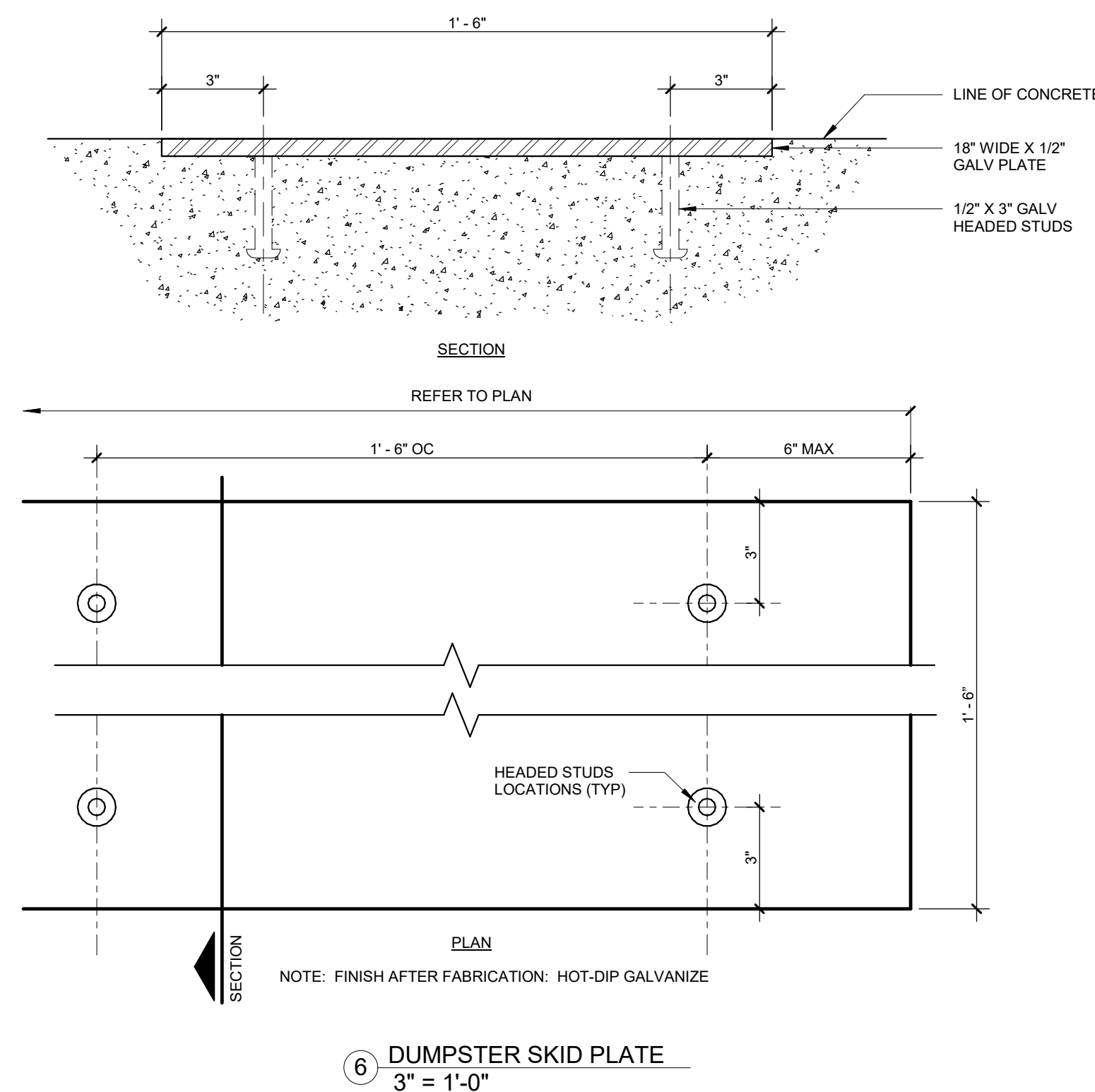
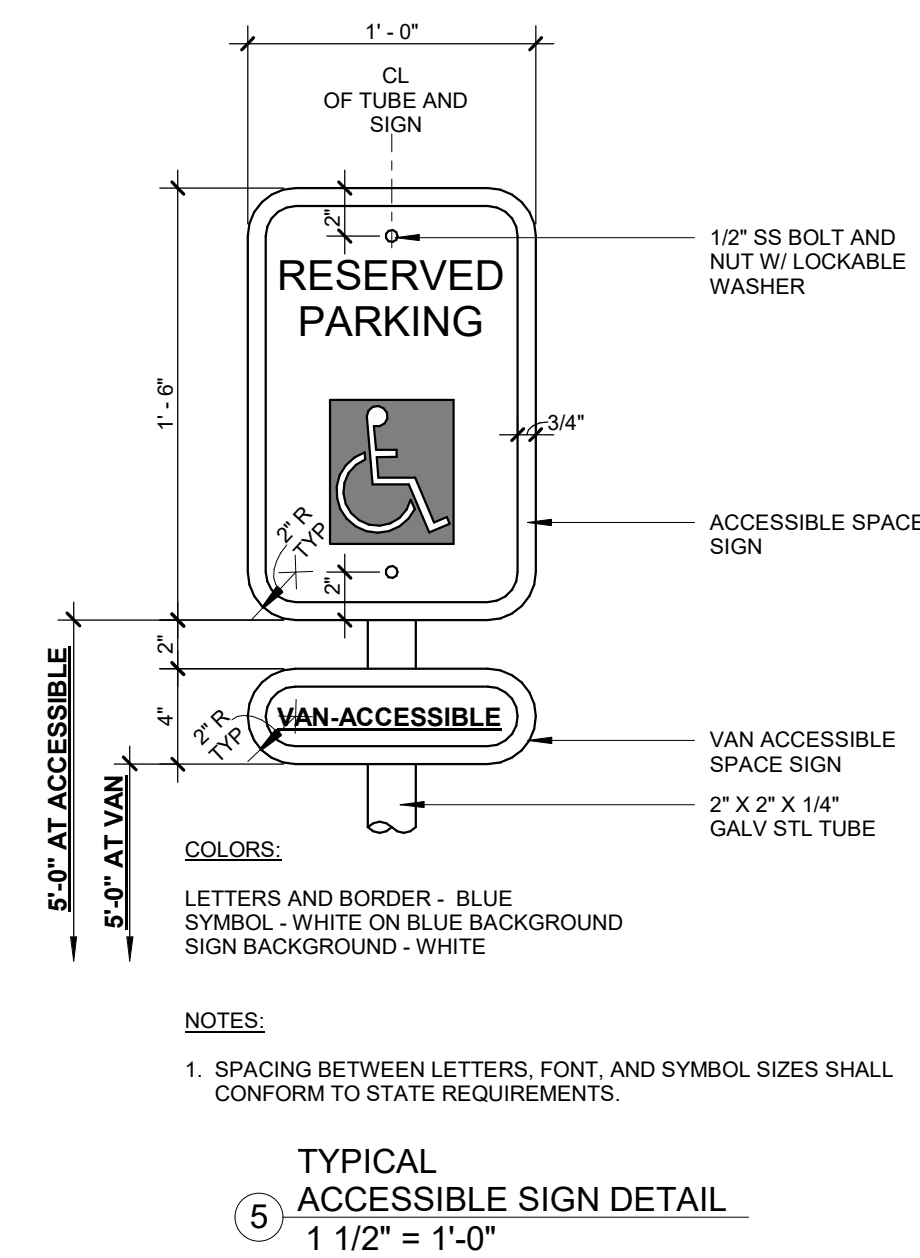
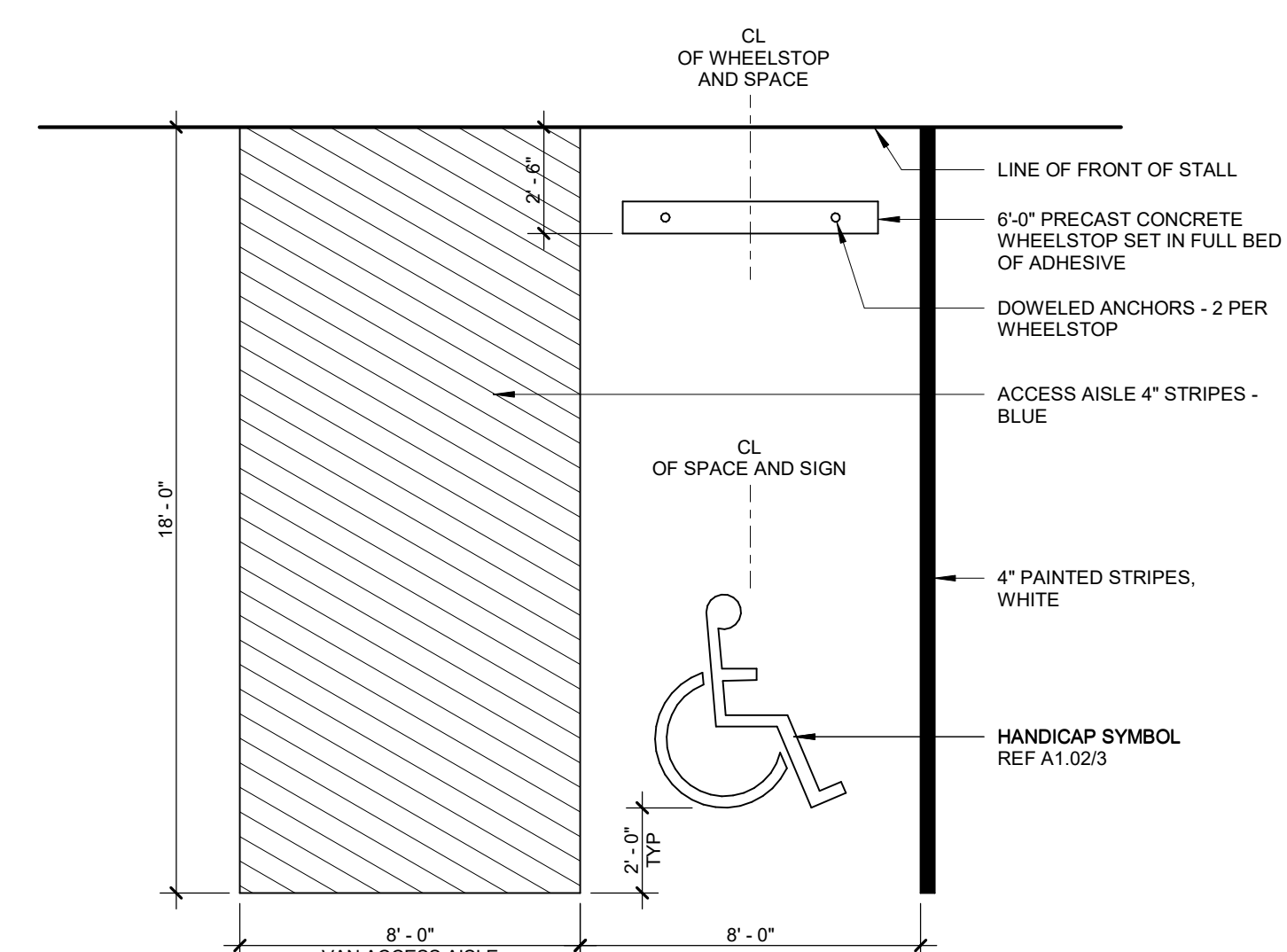
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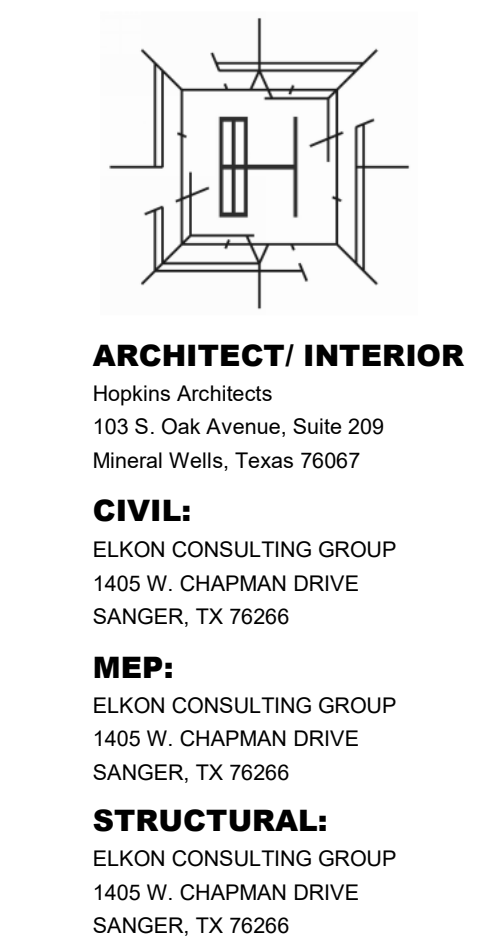
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**ARCHITECTURAL
SITE DETAILS**

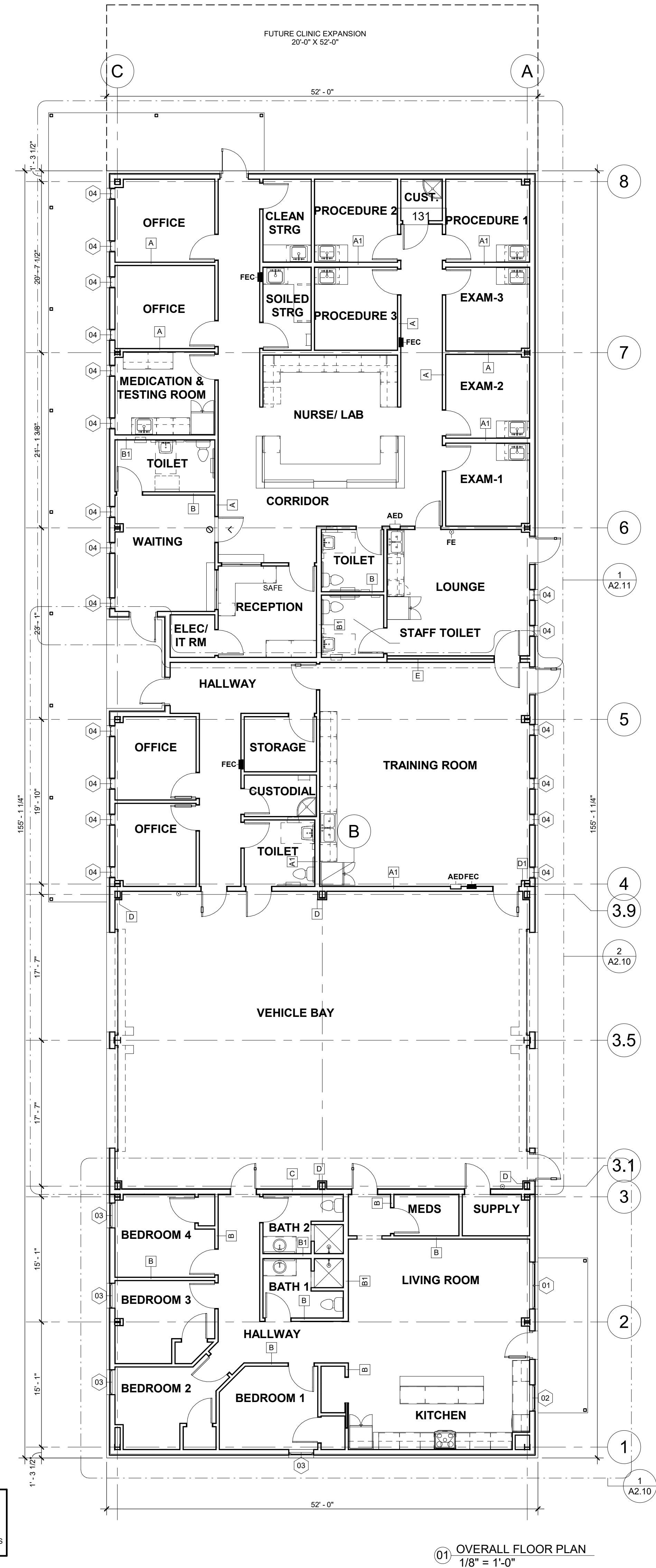
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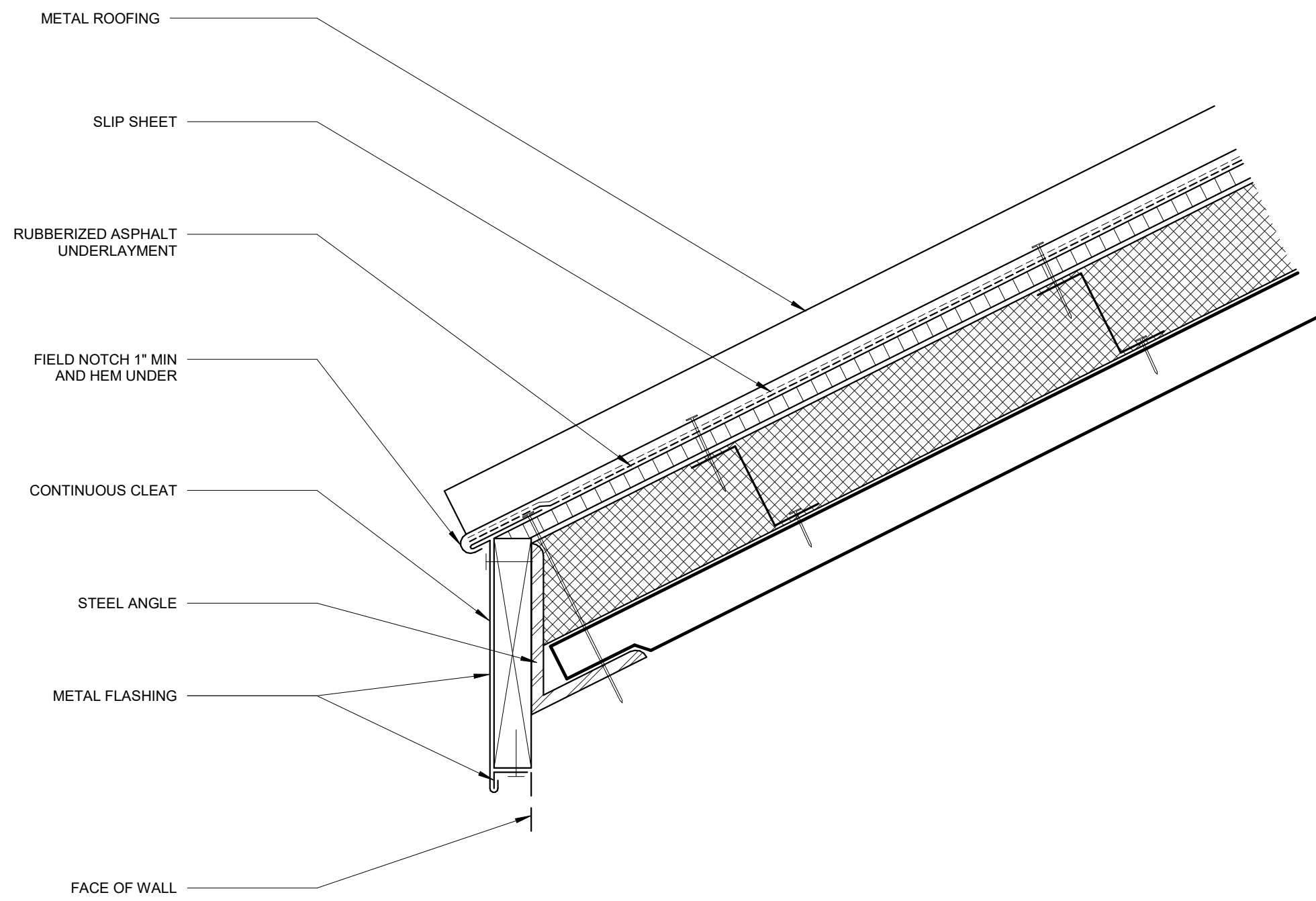


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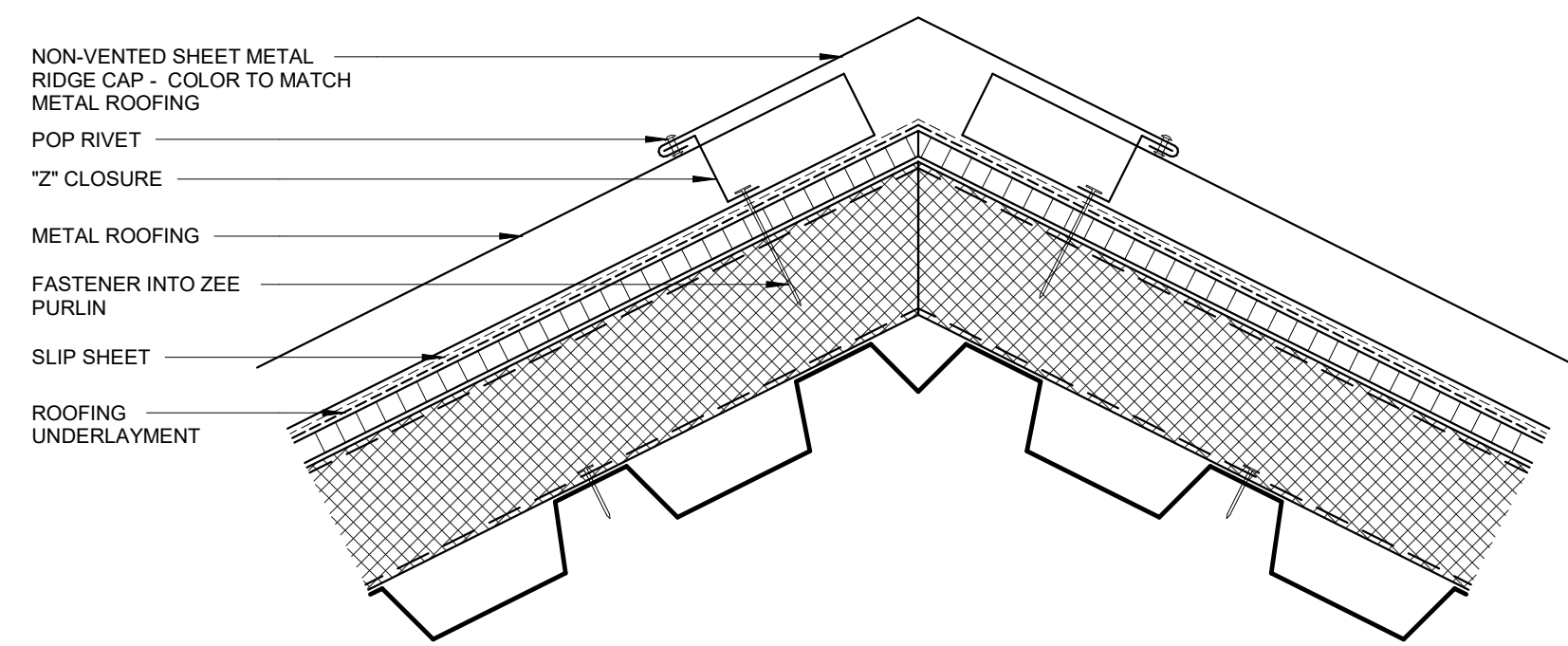


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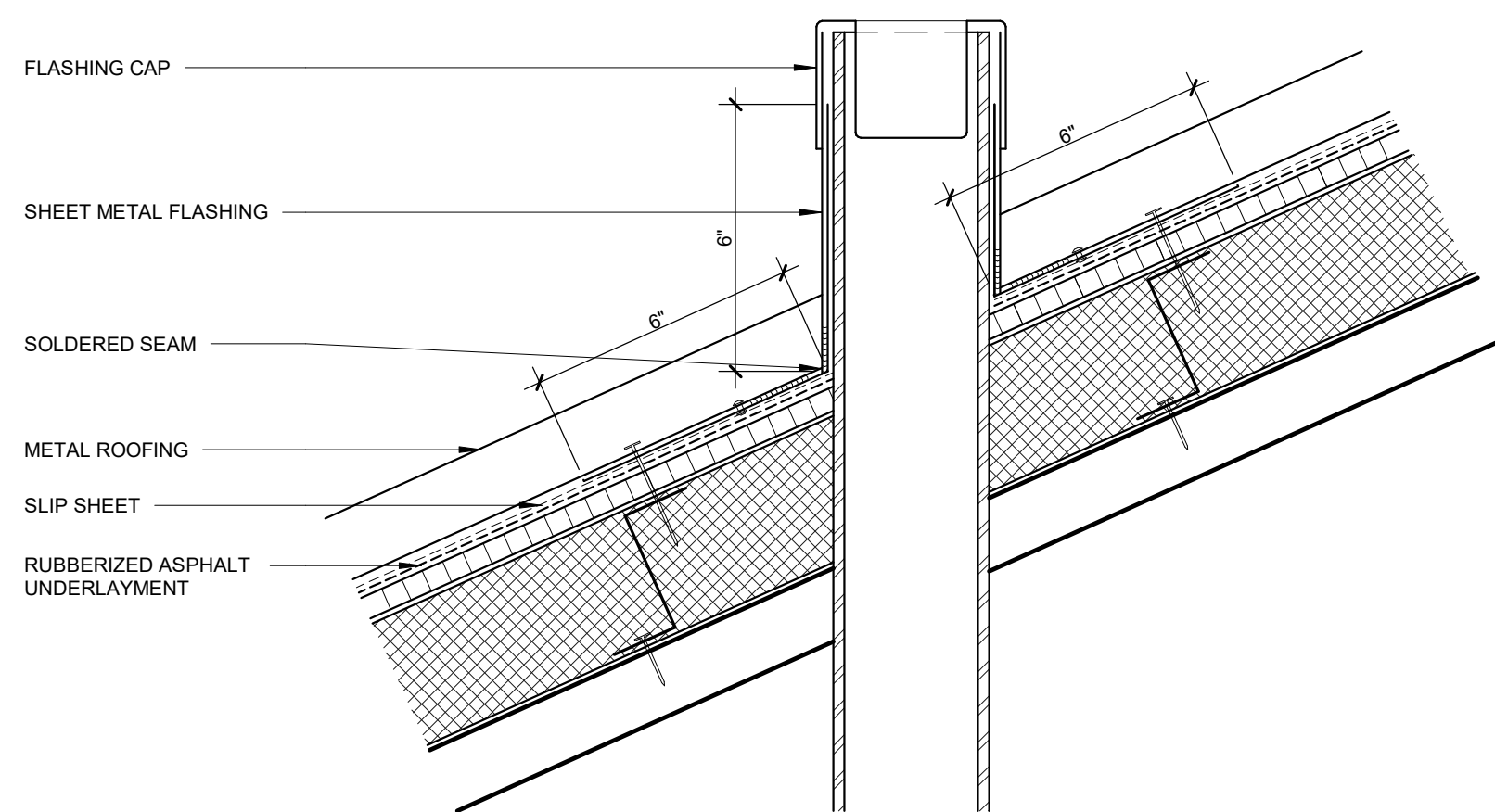




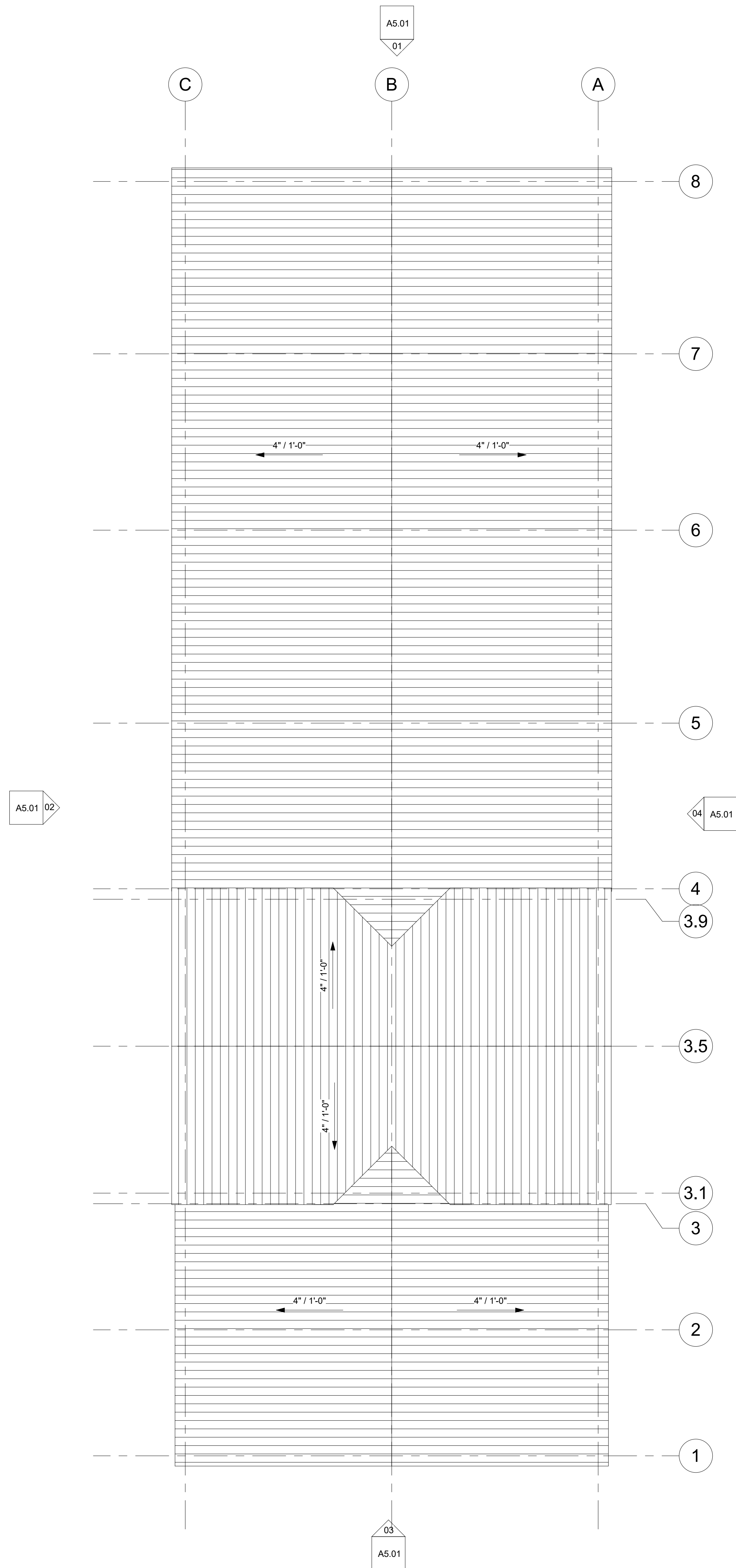
⑤ DOWNSLOPE PERIMETER
EDGE METAL FLASHING
3" = 1'-0"



④ SECTION SHOWING
NON-VENTING
RIDGE CAP FLASHING
3" = 1'-0"



② PLUMBING VENT FLASHING
3" = 1'-0"

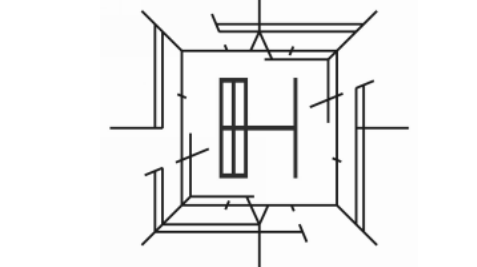
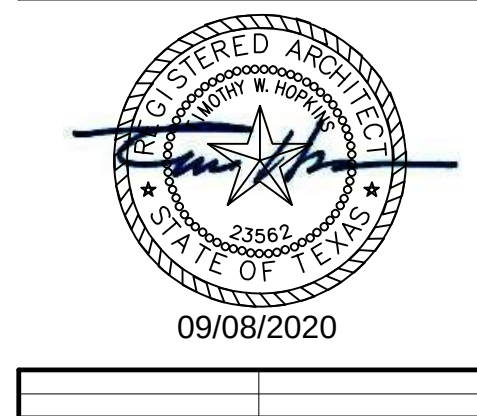


① ROOF PLAN
1/8" = 1'-0"

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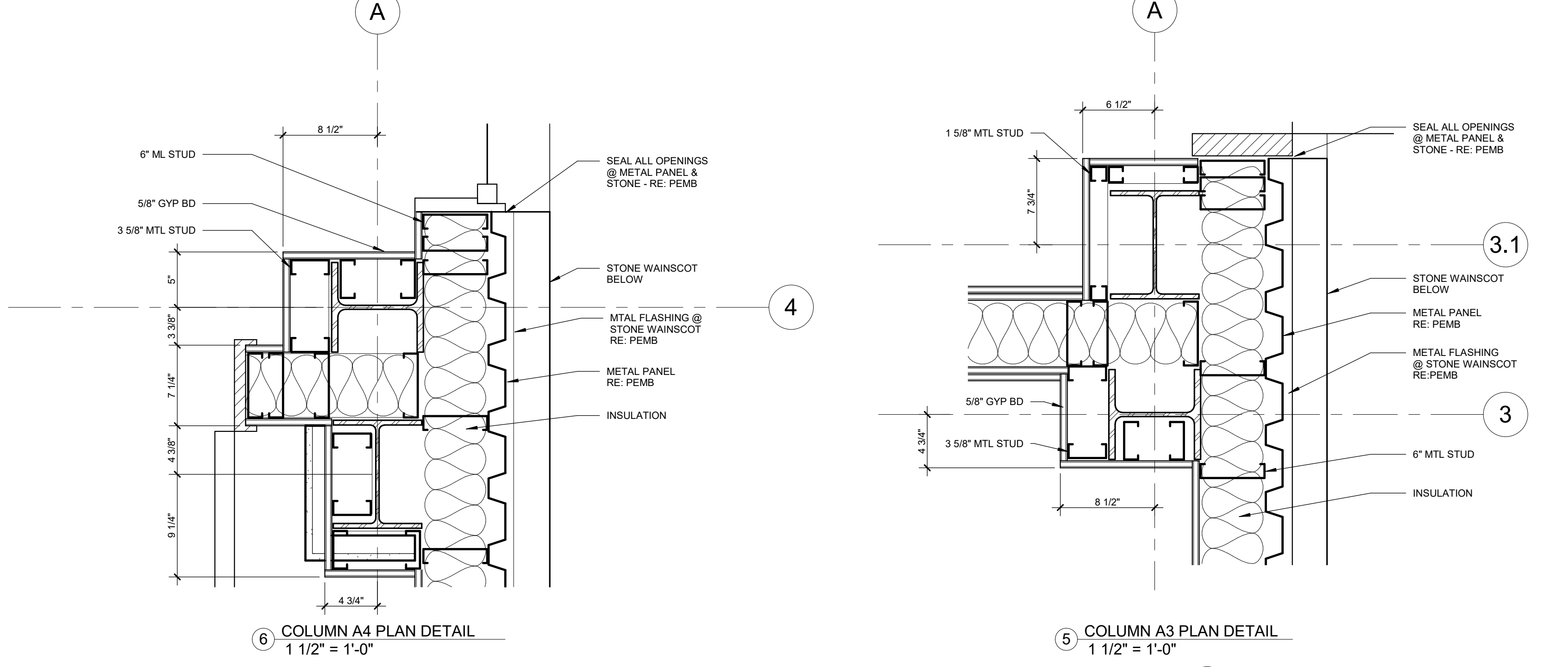
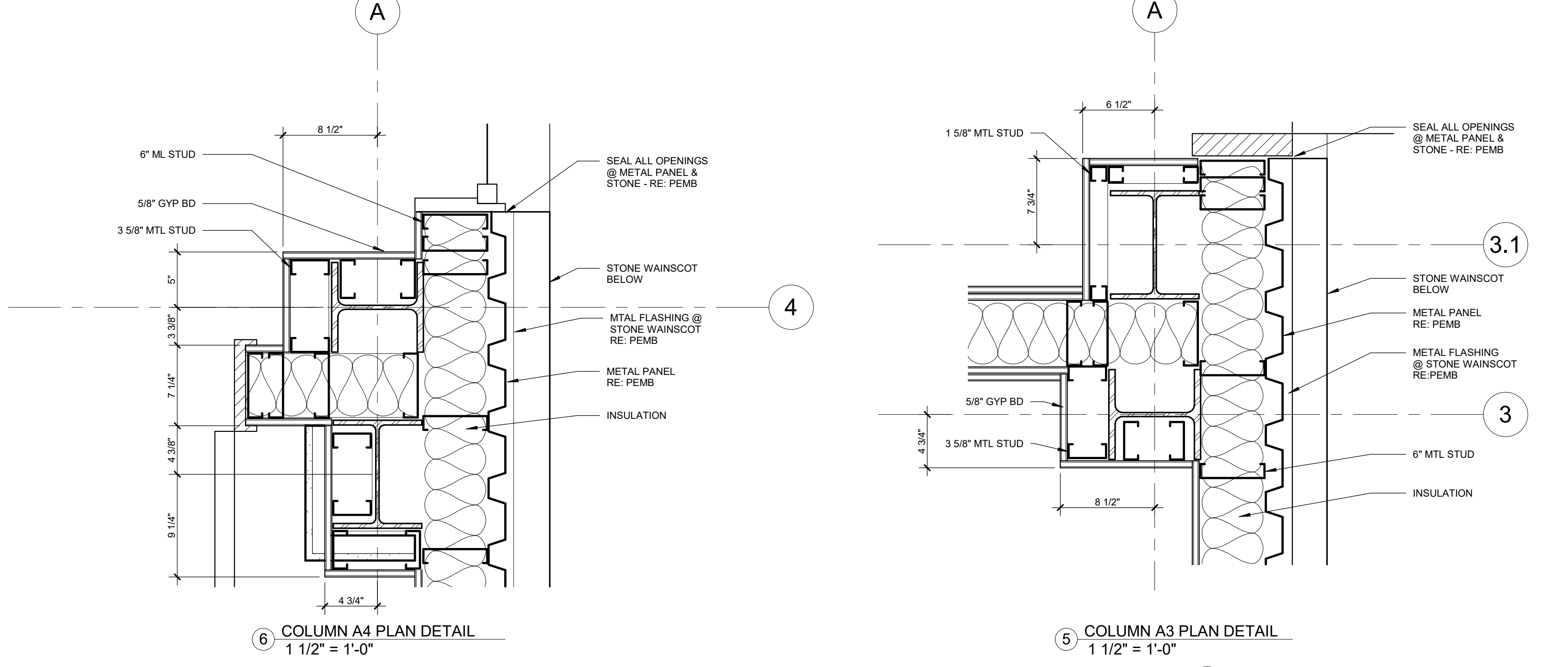
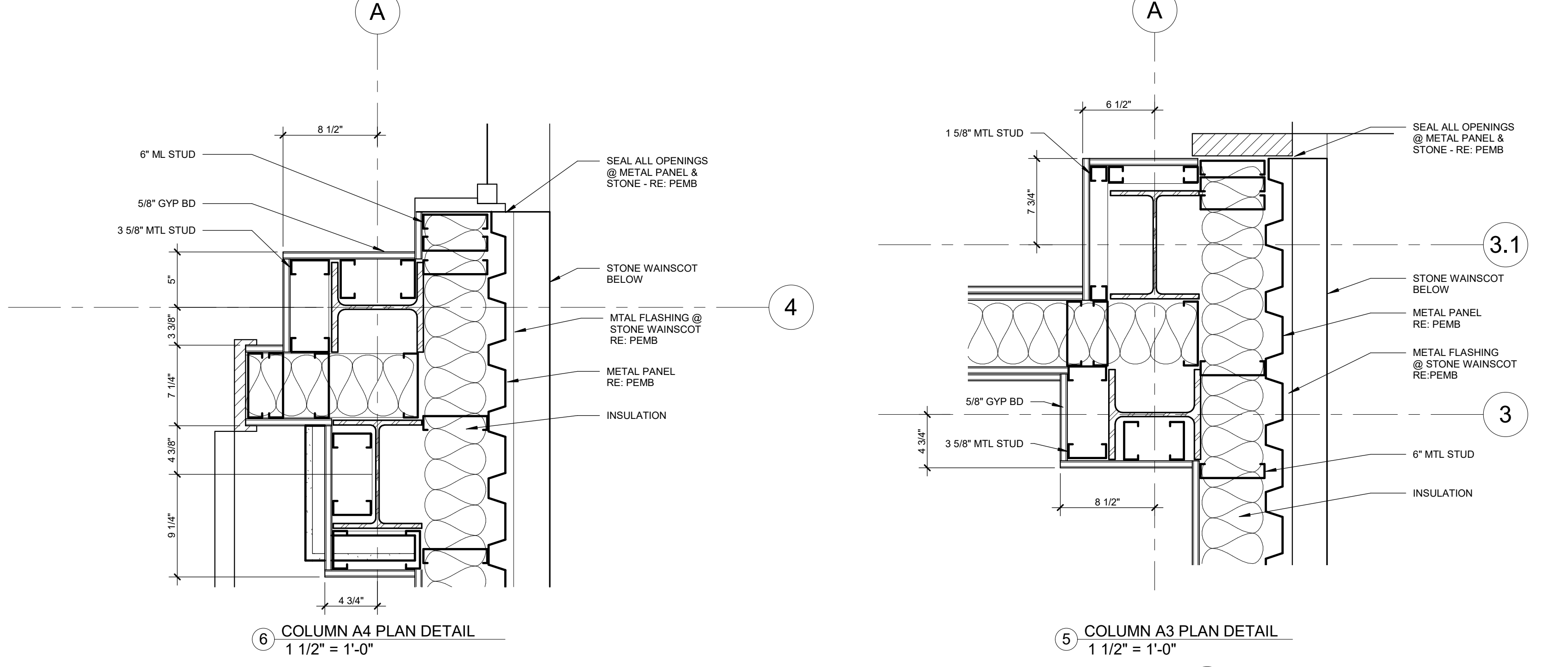
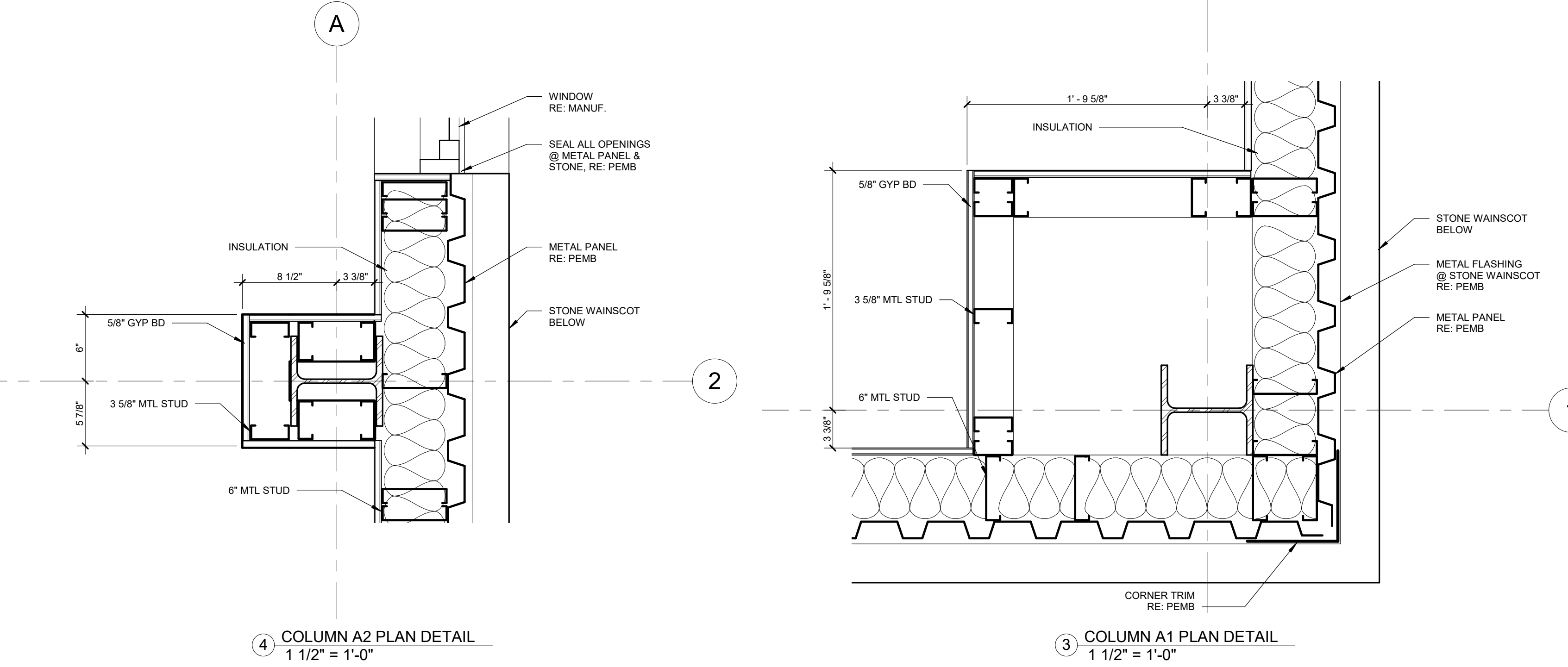
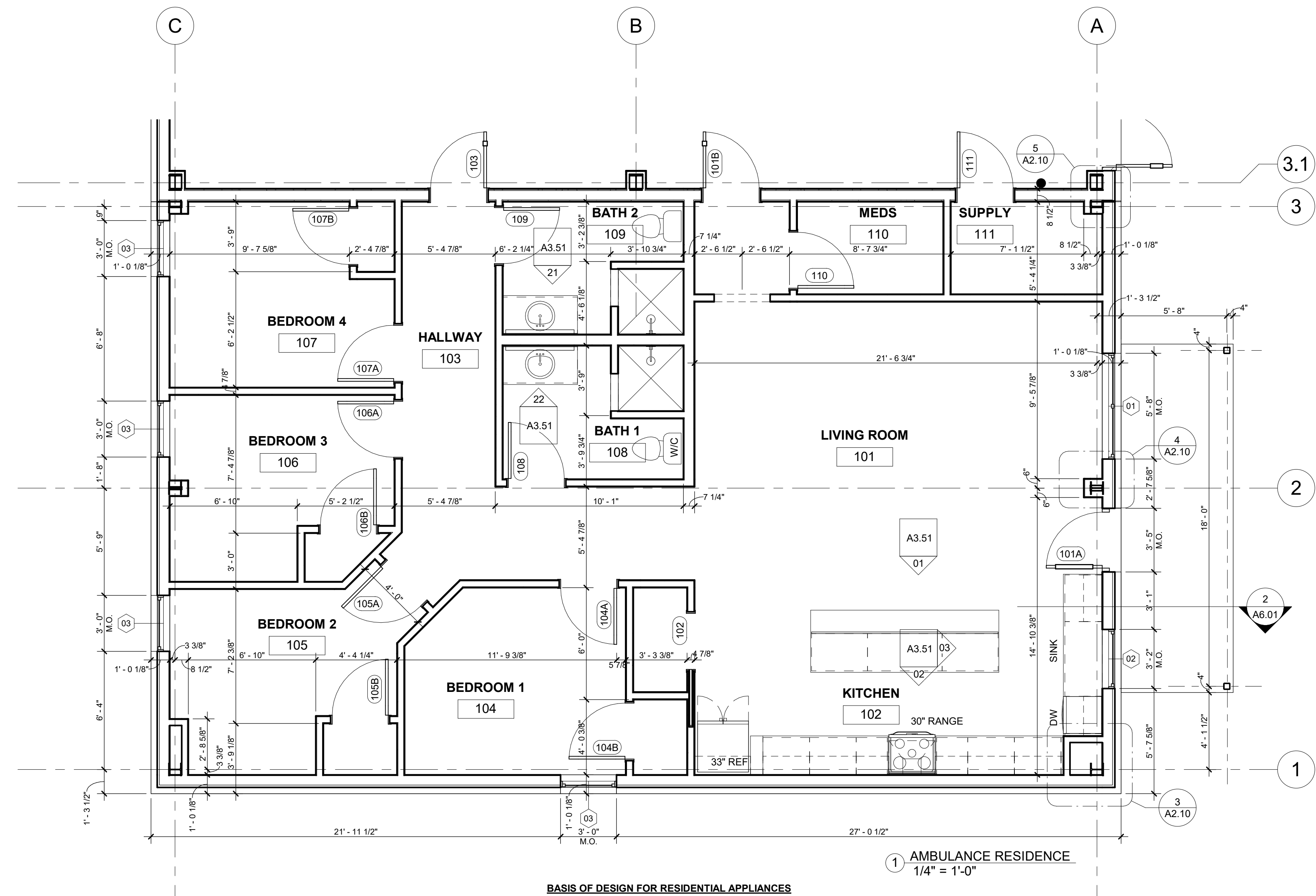
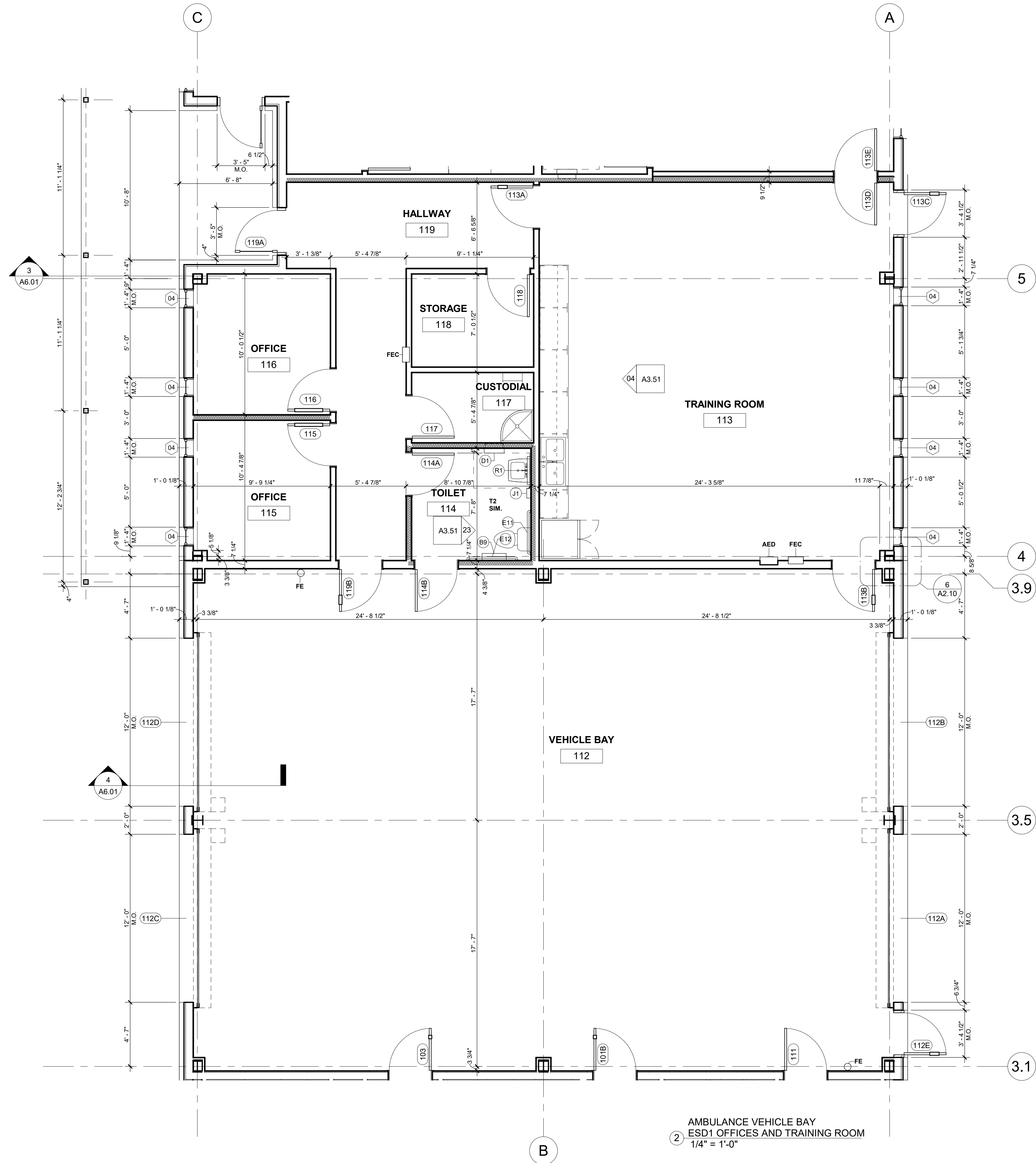
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SHEET TITLE
ROOF PLAN & DETAILS

SHEET NO.



REVISION	NO.	DESCRIPTION	DATE
	1		
	2		
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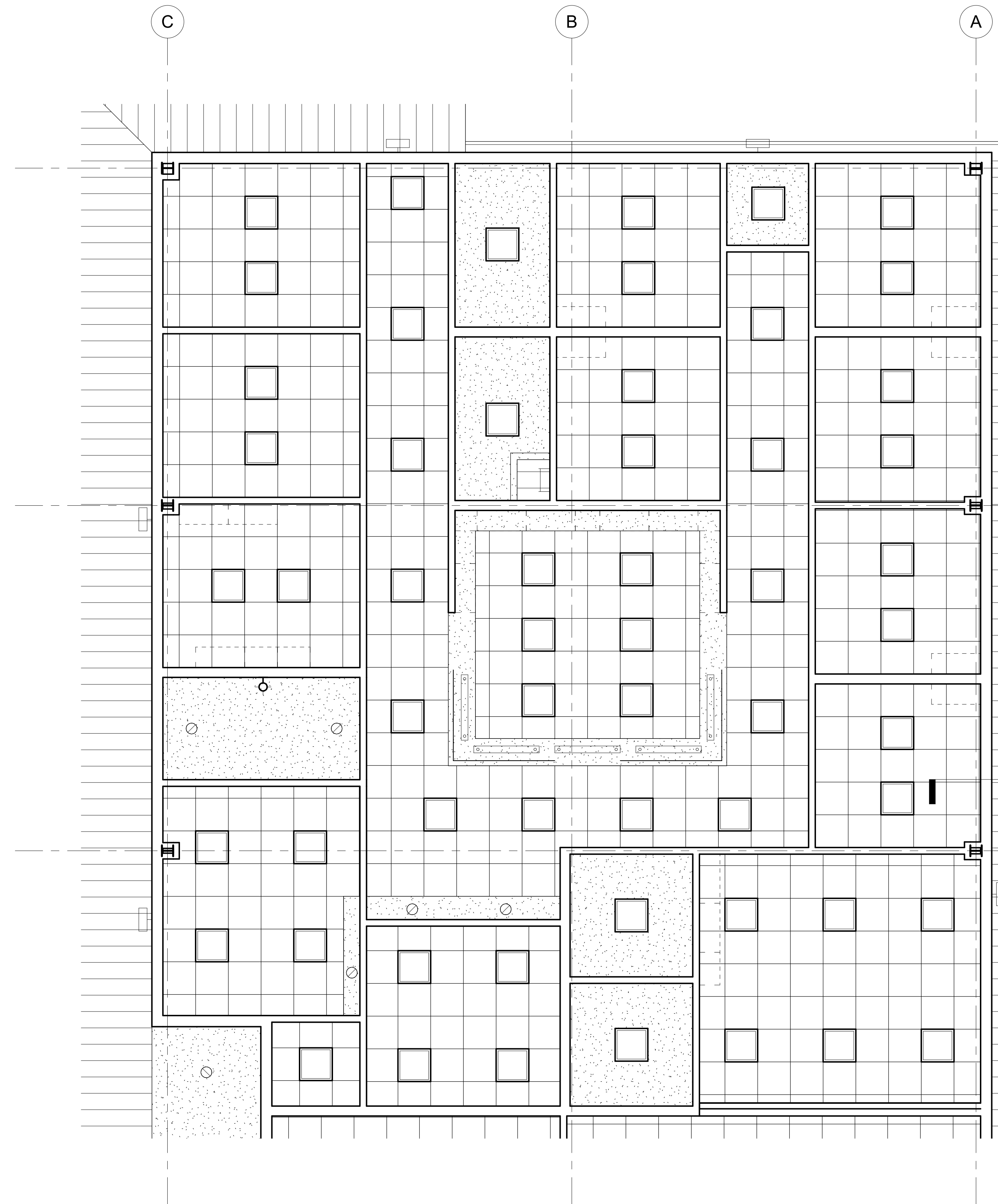
SHEET TITLE
ENLARGED FLOOR PLANS
SHEET NO.
A2.10



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STRUCTURAL:
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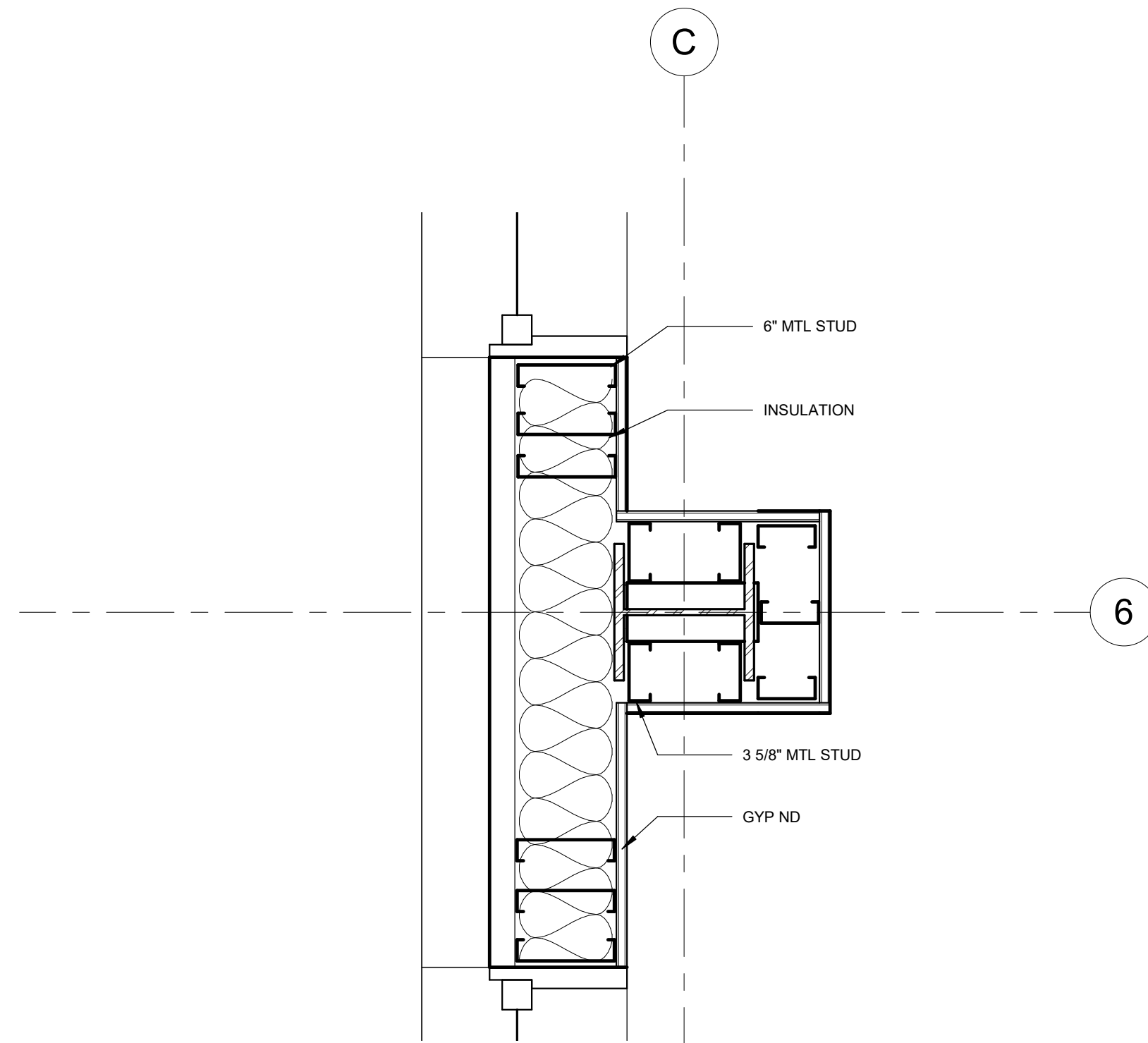
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ENLARGED FLOOR PLANS
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A2.10

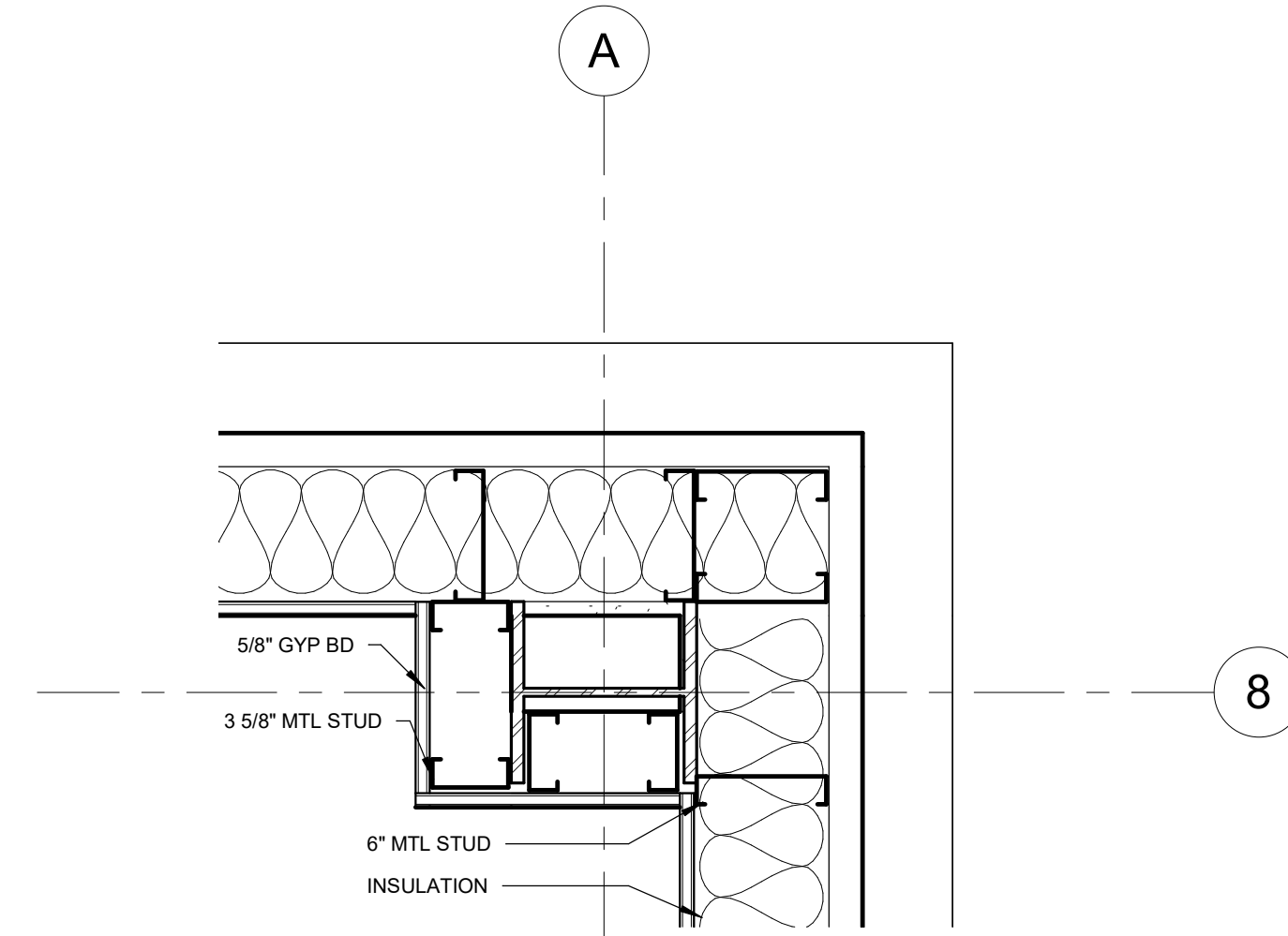


2 CLINIC - ENLARGED RCP
1/4" = 1'-0"

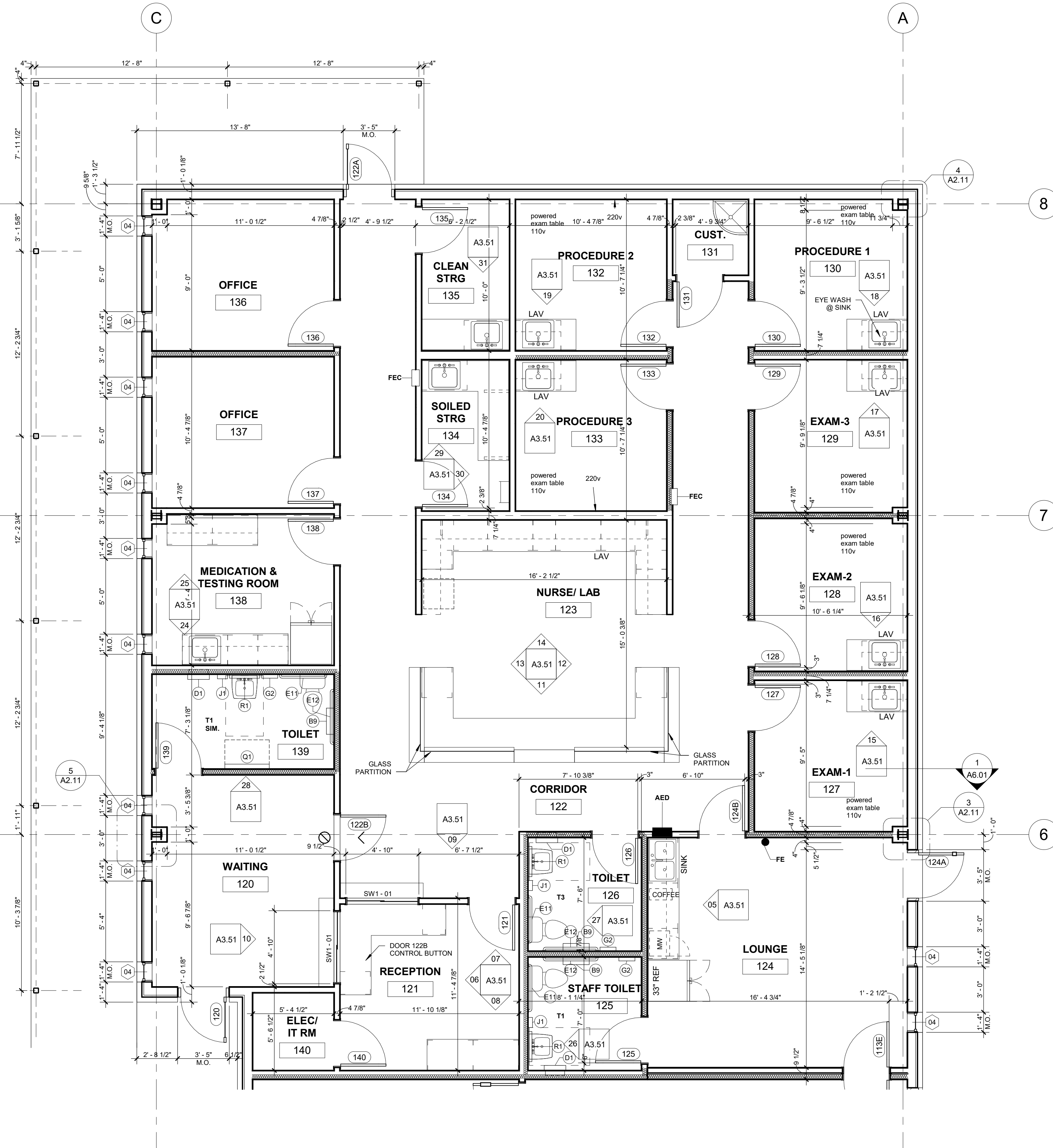
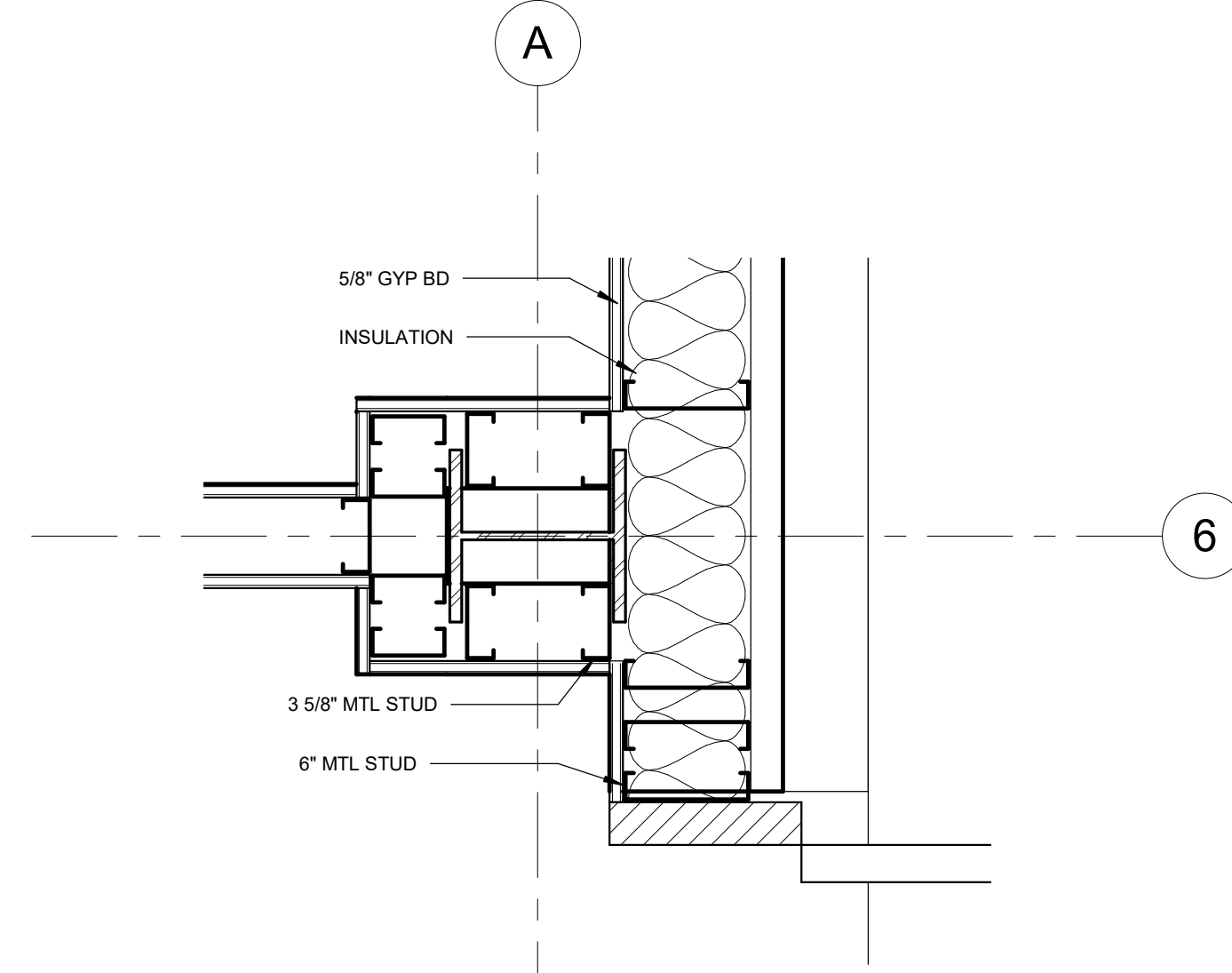
5 COLUMN C6 PLAN DETAIL
1 1/2" = 1'-0"



4 COLUMN A8 PLAN DETAIL
1 1/2" = 1'-0"



3 COLUMN A6 PLAN DETAIL
1 1/2" = 1'-0"

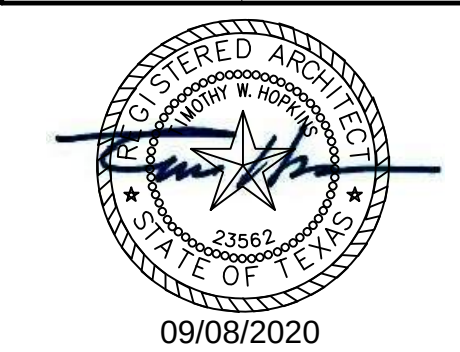


1 CLINIC - ENLARGED FLOOR PLAN
1/4" = 1'-0"

AMBULANCE STATION & CLINIC

POSSUM KINGDOM LAKE EAST, GRAFARD, TX

CLIENT: PPC EMERGENCY SERVICES DISTRICT NO.1



ARCHITECT/ INTERIOR
Hopkins Architects
103 S. Oak Avenue, Suite 209
Mineral Wells, Texas 76067

CIVIL:
ELKON CONSULTING GROUP
1405 W. CHAPMAN DRIVE
SANGER, TX 76266

MEP:
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1405 W. CHAPMAN DRIVE
SANGER, TX 76266

STRUCTURAL:
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SANGER, TX 76266

REVISION
NO. DESCRIPTION DATE

NO.	DESCRIPTION	DATE

HA PROJECT NUMBER
01921-00-00
DATE
09/08/2020
ISSUE
CONSTRUCTION DOCUMENTS

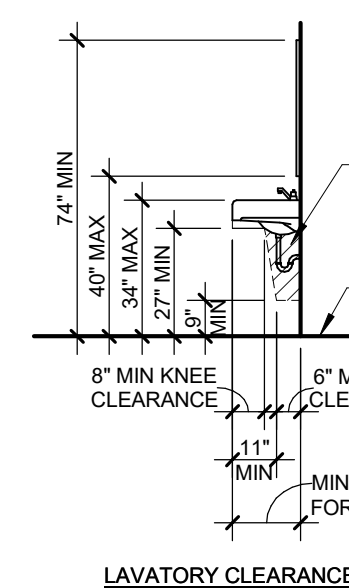
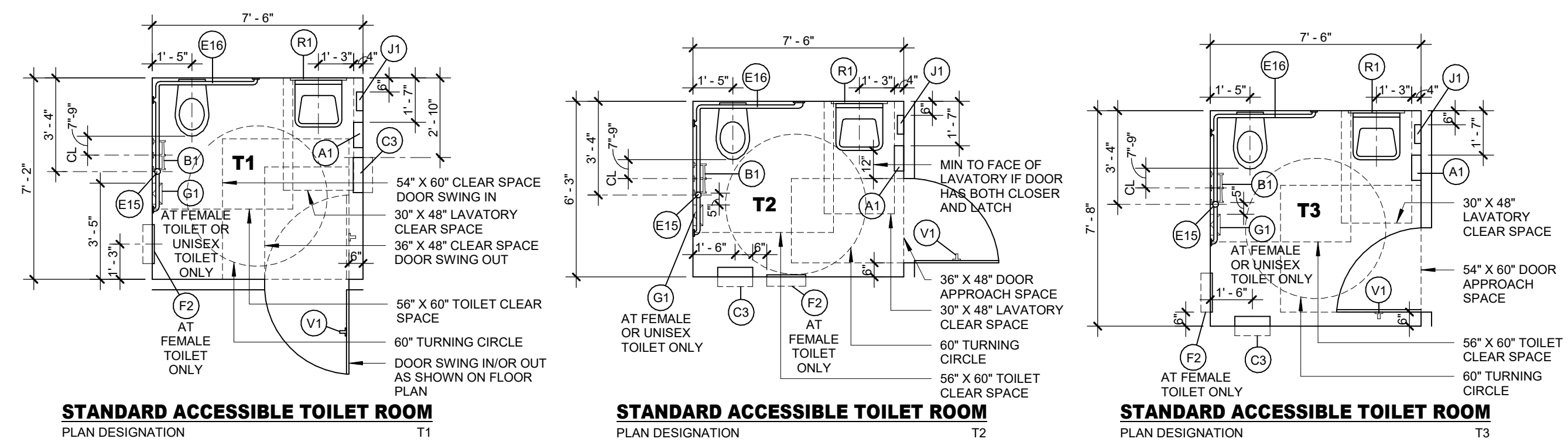
SHEET TITLE
ENLARGED FLOOR PLANS

SHEET NO.

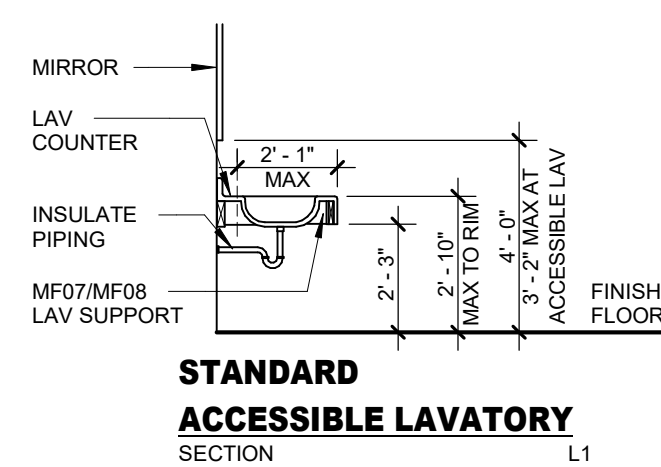
A2.11

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

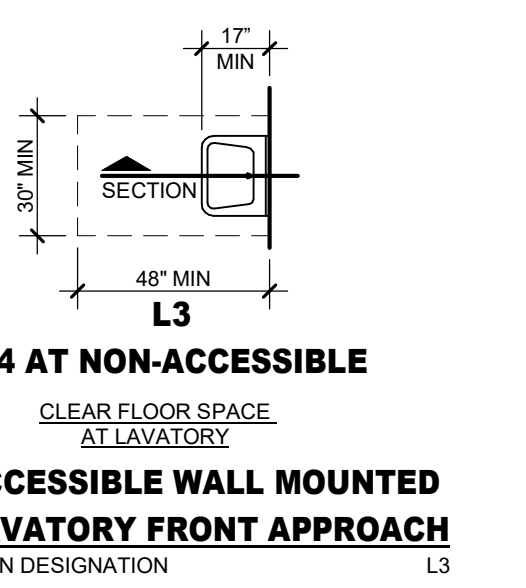
NOTE: LOCATE FLUSH ACTIVATION ON WIDE SIDE AT ALL TOILETS - LOCATE FLUSH VALVE BENEATH ADJACENT GRAB BARS.



**ACCESSIBLE WALL MOUNTED
LAVATORY FRONT APPROACH SECTION**



STANDARD
ACCESSIBLE LAVATORY
SECTION _____ L

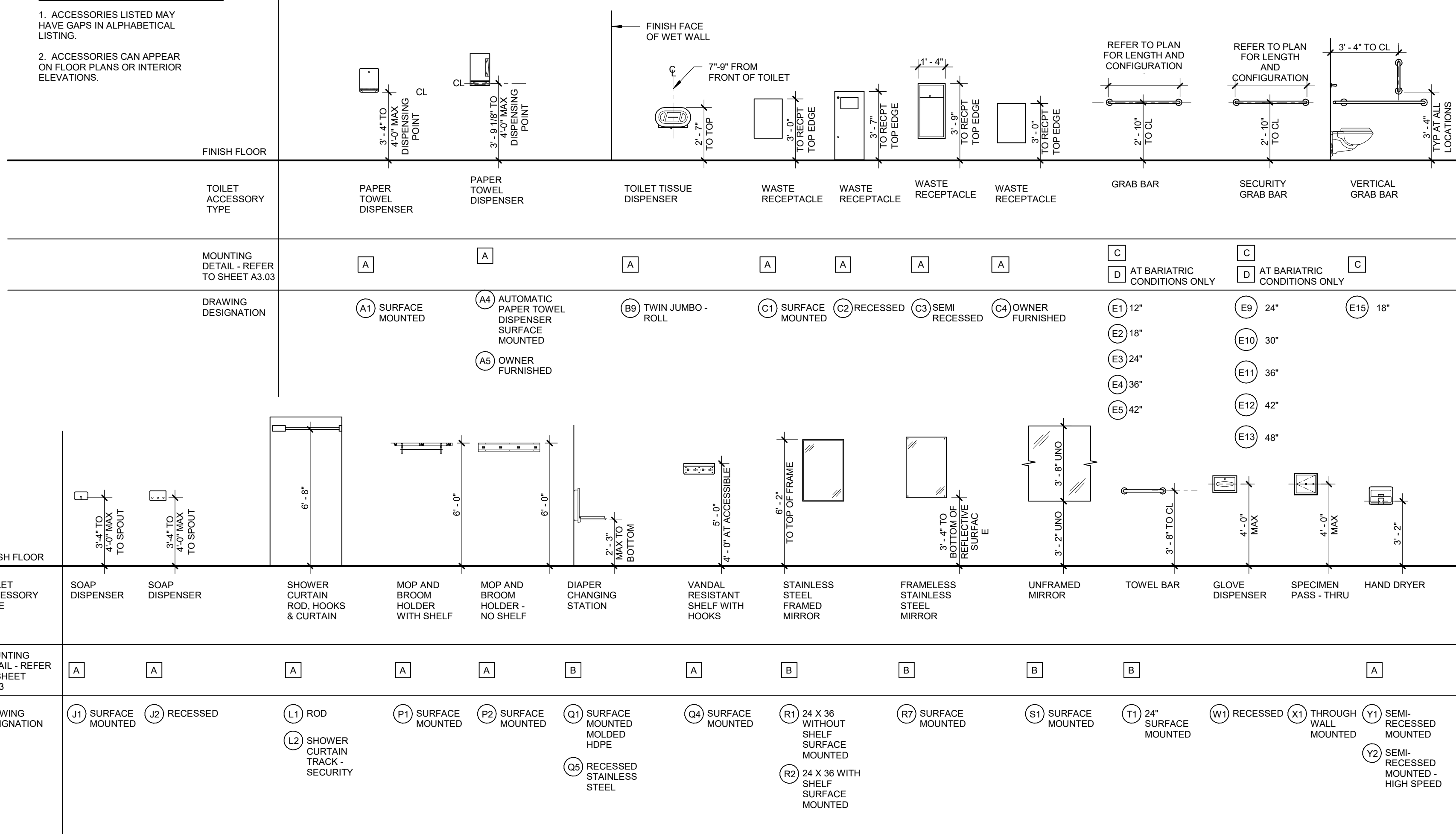


L4 AT NON-ACCESSIBLE
CLEAR FLOOR SPACE
AT LAVATORY
ACCESSIBLE WALL MOUNTED
LAVATORY FRONT APPROACH
PLAN DESIGNATION L3

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

NOTE:

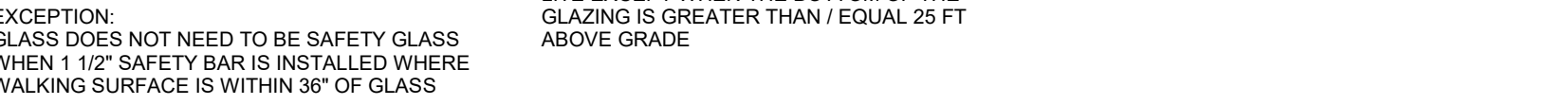
1. ACCESSORIES LISTED MAY HAVE GAPS IN ALPHABETICAL LISTING.
2. ACCESSORIES CAN APPEAR ON FLOOR PLANS OR INTERIOR ELEVATIONS.



NOTE:
NOT ALL CONDITIONS SHOWN BELOW ARE APPLICABLE TO THE SCOPE OF WORK.

GLASS PRODUCT SCHEDULE FOR WALLS AND DOORS						
		* - NOT ALLOWED AT SHOWER ENCLOSURES				
			UNANNEALED	WIRED	TEMPERED	LAMINATED
						FIRE-RATED
NP - NOT PERMITTED			NP	A	NP	NP
NR - ACCEPTABLE			NP	NP	NP	NP
AR - NOT RECOMMENDED						
FIRE -RATED	SAFETY NOT REQUIRED		NP	A	NP	NP
	SAFETY REQUIRED		NP	NP	NP	NP
NON-FIRE -RATED	SAFETY NOT REQUIRED		A	A	A	NR
	SAFETY REQUIRED		NP	NP	*	A

WET AREAS **CLOSE PROXIMITY TO DOORS** **GLAZED OPENINGS IN DOORS**



101X

90

VISION PANEL OR LOUVER ACCESSORY

SUFFIX FOR MULTIPLE DOORS AT A ROOM

DOOR FIRE RATING

DOOR NUMBER SAME AS ROOM NUMBER

LOCATION OF HOLD OPEN SYMBOL IF APPLICABLE

LOCATION OF POWER OPERATION SYMBOL IF APPLICABLE

DOOR DEVICE SYMBOL

SYMBOL LOCATED ON SIDE OF DOOR DEVICE TO BE INSTALLED

SYMBOL LEGEND

○ SECURITY DEVICE

⊙ PROXIMITY SENSOR

⌒ DELAYED EGRESS

⏏ POWER OPERATOR

⊞ HOLD OPEN

□ PUSH PLATE

6" PREFERRED MIN

OPENING

1" - 6" (PULL SIDE) MIN CLEAR

1" - 0" (PUSH SIDE) MIN CLEAR IF DOOR HAS CLOSER AND LATCH

A. DOORS SHOWN ADJACENT TO A FLANKING WALL OR OTHER FIXED OBSTRUCTION, SHALL BE LOCATED AS SHOWN ABOVE.

B. OTHER LOCATIONS SHALL BE ON CENTERLINE OF ROOM OR AS SPECIFICALLY DIMENSIONED.

VARIES

EXTEND C/J TO
BOTTOM OF
STRUCTURE AT RATED
WALLS & ABOVE
CEILING AT NON-
RATED WALLS

ALIGN WITH
EDGE OF DOOR
FRAME CORNER
ON HINGE SIDE

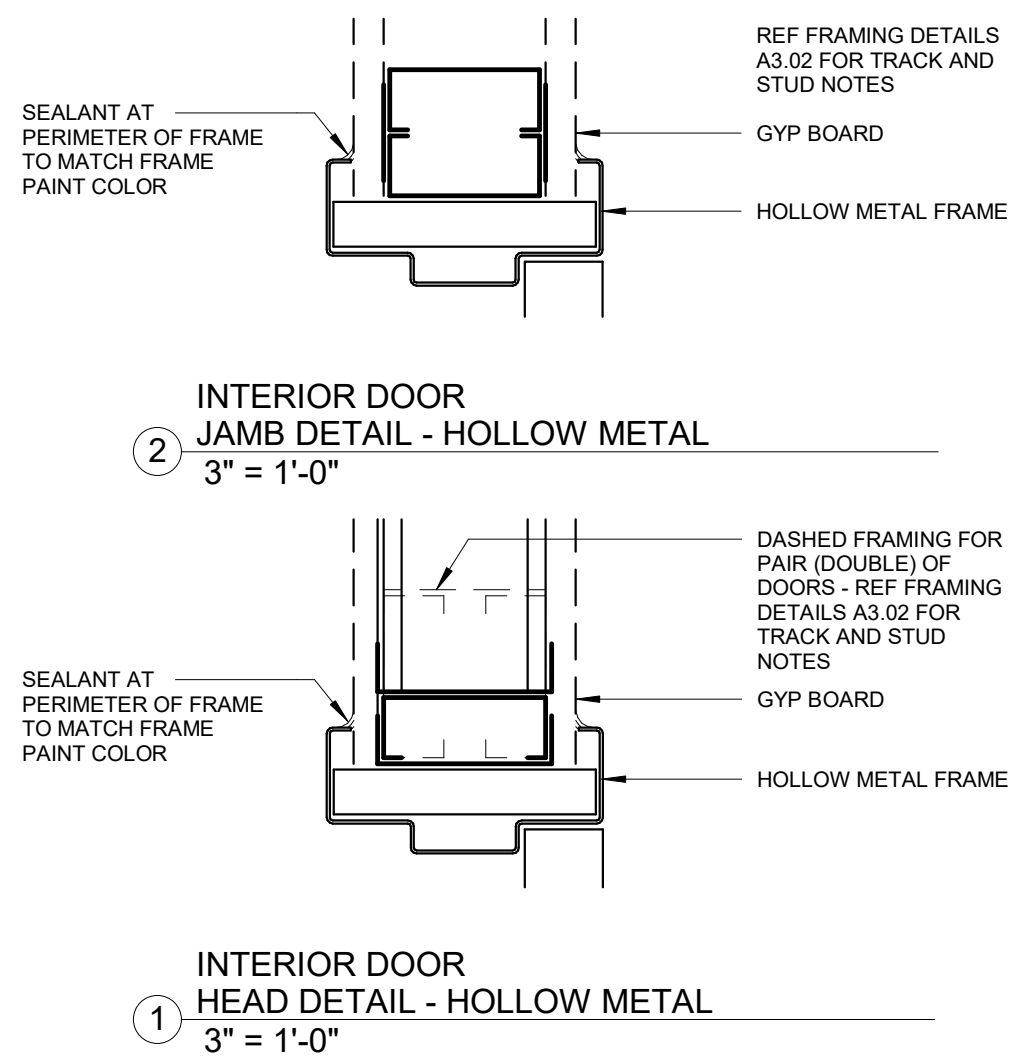
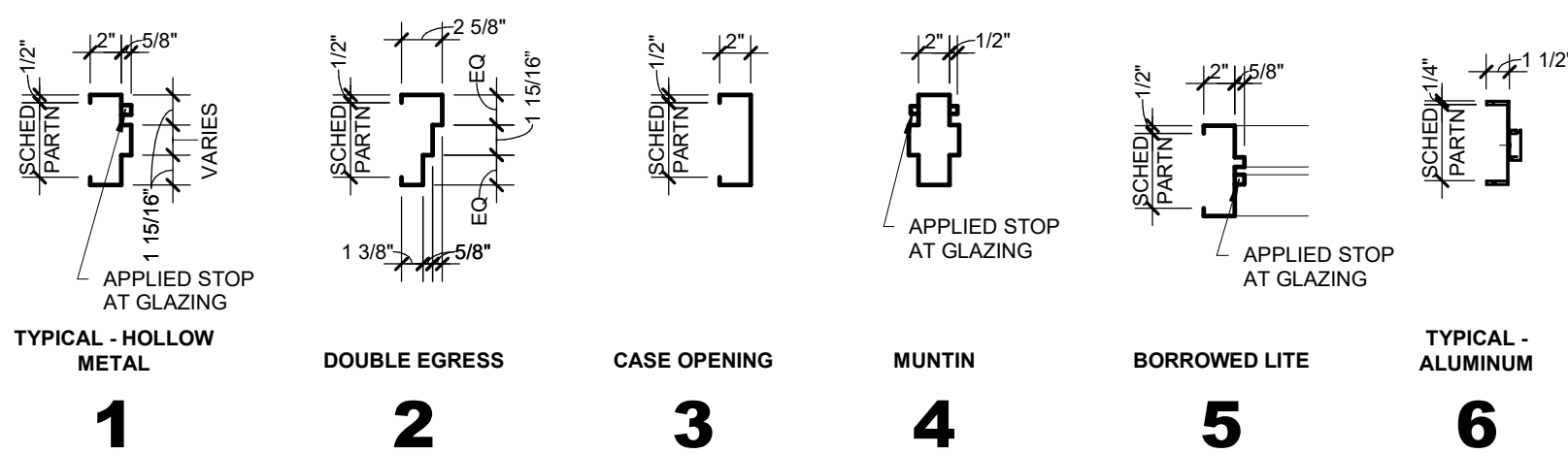
SINGLE DOORS

Diagram illustrating a single door configuration. The door is shown as a 4' x 8' GYP BD panel. The bottom of the structure is indicated by a line labeled "BOTTOM OF STRUCTURE". The height of the door panel is labeled "VARIES". The overall configuration is labeled "SINGLE DOORS".

REVISION	DOOR NUMBER	WIDTH	HEIGHT	DOOR TYPE	FRAME TYPE	MATERIALS		DETAILS			VISION PANEL	HARDWARE	COMMENTS	DOOR NUMBER
						DOOR MAT.	FRAME MAT.	DOOR RATING	HEAD	JAMB				
T.O. SLAB														
-	101A	3'-0"	6'-8"	A1	1	HM	HM	-			3	-		101A
-	101B	3'-0"	6'-8"	A1	1	HM	HM	90 MIN	1A/3.33	2A/3.33	0	-		101B
-	102	3'-0"	6'-8"	G4	-	WD	WD	-				-		102
-	103	3'-0"	7'-0"	A1	1	HM	HM	90 MIN	1A/3.33	2A/3.33	1	-		103
-	104A	3'-0"	7'-0"	A1	1	WD	HM	-	1A/3.33	2A/3.33	0	-		104A
-	104B	3'-0"	7'-0"	A1	1	WD	HM	-	1A/3.33	2A/3.33	0	-		104B
-	105A	3'-0"	7'-0"	A1	1	WD	HM	-	1A/3.33	2A/3.33	0	-		105A
-	105B	3'-0"	7'-0"	A1	1	WD	HM	-	1A/3.33	2A/3.33	0	-		105B
-	106A	3'-0"	7'-0"	A1	1	WD	HM	-	1A/3.33	2A/3.33	0	-		106A
-	106B	3'-0"	6'-8"	A1	1	WD	HM	-	1A/3.33	2A/3.33	0	-		106B
-	107A	3'-0"	7'-0"	A1	1	WD	HM	-	1A/3.33	2A/3.33	0	-		107A
-	107B	3'-0"	7'-0"	A1	1	WD	HM	-	1A/3.33	2A/3.33	0	-		107B
-	108	3'-0"	7'-0"	A1	1	WD	HM	-	1A/3.33	2A/3.33	0	-		108
-	109	3'-0"	7'-0"	A1	1	WD	HM	-	1A/3.33	2A/3.33	0	-		109
-	110	3'-0"	7'-0"	A1	1	HM	HM	-	1A/3.33	2A/3.33	0	-		110
-	111	3'-0"	7'-0"	A1	1	HM	HM	90 MIN	1A/3.33	2A/3.33	0	-		111
-	112A	12'-0"	12'-0"	M	-	ST	ST	-				-		112A
-	112B	12'-0"	12'-0"	M	-	ST	ST	-				-		112B
-	112C	12'-0"	12'-0"	M	-	ST	ST	-				-		112C
-	112D	12'-0"	12'-0"	M	-	ST	ST	-				-		112D
-	113E	3'-0"	7'-0"	A1	1	HM	HM	-	1A/3.33	2A/3.33	2	-		113E
-	113A	3'-0"	7'-0"	A1	1	HM	HM	-	1A/3.33	2A/3.33	2	-		113A
-	113B	3'-0"	7'-0"	A1	1	HM	HM	-	1A/3.33	2A/3.33	2	-		113B
-	113C	3'-0"	7'-0"	A1	1	HM	HM	-	1A/3.33	2A/3.33	2	-		113C
-	113D	3'-0"	7'-0"	A1	1	WD	HM	-				-		113D
-	113E	3'-0"	7'-0"	A1	1	WD	HM	-				-	1 3/4" COMMUNICATING DOOR	113E
-	114A	3'-0"	7'-0"	A1	1	HM	HM	-	1A/3.33	2A/3.33	2	-	1 3/8" COMMUNICATING DOOR	114A
-	114B	3'-0"	7'-0"	A1	1	HM	HM	-	1A/3.33	2A/3.33	0	-		114B
-	115	3'-0"	7'-0"	A1	1	WD	HM	-	1A/3.33	2A/3.33	3	-		115
-	116	3'-0"	7'-0"	A1	1	WD	HM	-	1A/3.33	2A/3.33	3	-		116
-	117	3'-0"	7'-0"	A1	1	HM	HM	-	1A/3.33	2A/3.33	0	-		117
-	118	3'-0"	7'-0"	A1	1	HM	HM	-	1A/3.33	2A/3.33	0	-		118
-	119A	3'-0"	7'-0"	C1	6	AL	AL	-				-		119A
-	119B	3'-0"	7'-0"	A1	1	HM	HM	-	1A/3.33	2A/3.33	2	-		119B
-	120	3'-0"	7'-0"	C1	6	AL	AL	-				-		120
-	121	3'-0"	7'-0"	A1	1	WD	HM	-	1A/3.33	2A/3.33	0	-		121
-	122A	3'-0"												

1. CONTRACTORS TO USE THE ARCHITECT'S FLOOR PLAN DESIGNATION DOOR NUMBER IN ADDITION TO THE ROOM NUMBER ON ALL SHOP DRAWING SCHEDULES.

A1:	INTERIOR DOORS:	ESD1 OFFICE / TRAINING - CLINIC -	TRUDDOR PREFINISHED WOOD DOOR - STANDARD STAIN (SS1) TO BE DETERMINED ACROYN FLUSH DOOR - COLOR #929 OYSTER GRAY
	EXTERIOR DOORS:		TRUDDOR KD DRYWALL FRAME - HOLLOW METAL TRUDDOR HOLLOW METAL WITH LITE KIT
B1:	RESIDENCE -		TRUDDOR K MASONRY FRAME TRUDDOR 2 PANEL SOLID CORE PRIMED MDF
C:	KAWNEER TRIFAB 400 FRAMING SYSTEM (STICK) - CLEAR ANODIZED		TRUDDOR KD DRYWALL FRAME - HOLLOW METAL
M:	OVERHEAD DOOR COILING DOOR 610 SERIES - STANDARD PROFILE 24 GA. - ELECTRIC OPERATOR - WHITE		



REFERENCE FRAMING DETAILS SHEETS A3.01 FOR TRACK AND STUDS NOTES

09/08/2020

A technical drawing of a square room. In the center is a rectangular feature, possibly a fireplace or a large window, with a smaller rectangle inside it. Four doors are shown, one on each wall, with lines indicating their swing. The drawing is a top-down view.

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MEP:
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STRUCTURAL:
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SANGER, TX 76286

REVISION		
NO.	DESCRIPTION	DATE

[illegible]

HA PROJECT NUMBER

01921-00-00

DATE 02/02/202009/08/2020
102115

CONSTRUCTION

DOCUMENTS

SHEET TITLE

DOOR SCHEDULE

SHEET NO.

A2 22

A3.55

ARCHITECT/ INTERIOR
Hopkins Architects
103 S. Oak Avenue, Suite 209
Mineral Wells, Texas 76067

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HA PROJECT NUMBER
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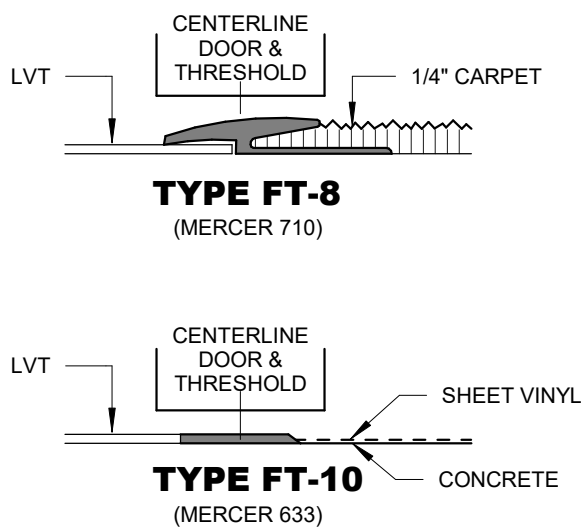
ISSUE

**CONSTRUCTION
DOCUMENTS**

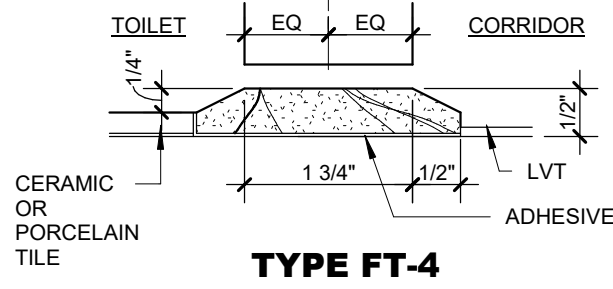
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CASEWORK

SHEET NO.

FLOOR TRANSITIONS



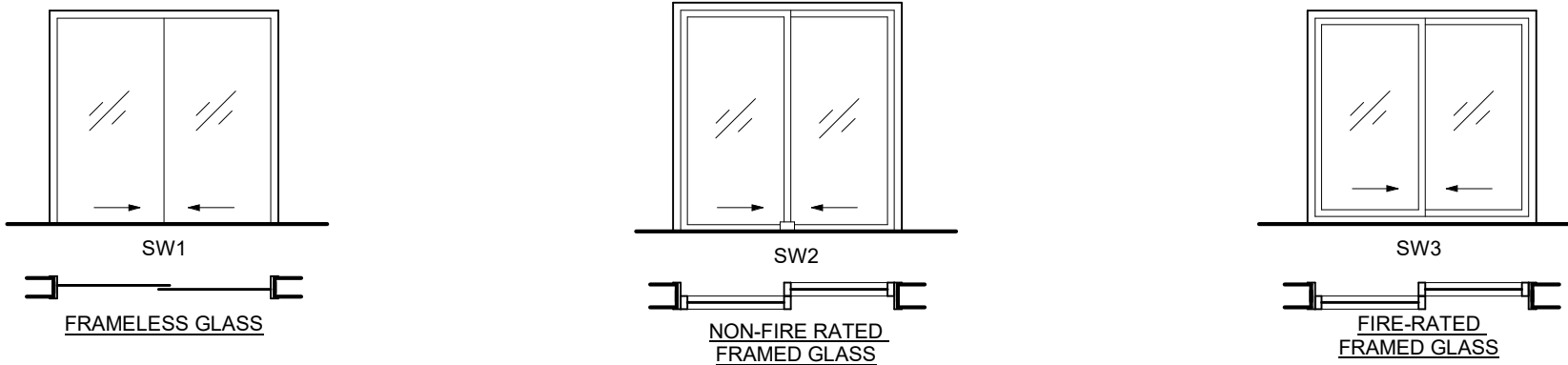
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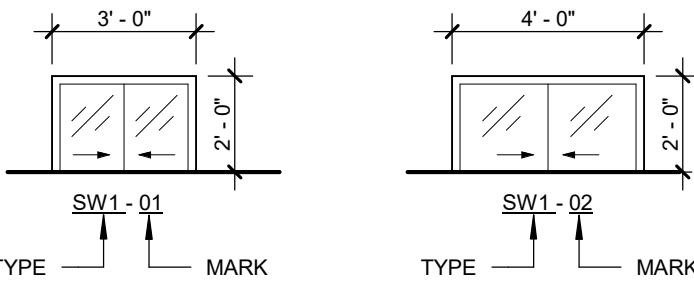
INTERIOR FINISH SCHEDULE												
NUMBER	ROOM NAME	FLOOR FINISH	WALLS				BASE				CEILING FINISH	NOTES
			NORTH	SOUTH	EAST	WEST	NORTH	SOUTH	EAST	WEST		
101	LIVING ROOM	LVT-01	PT-03	PT-03	PT-03	PT-03	RB-02	RB-02	RB-02	RB-02	PT-02	
102	KITCHEN	LVT-01	PT-03	PT-03	PT-03	PT-03	RB-02	RB-02	RB-02	RB-02	PT-02	
103	HALLWAY	LVT-01	PT-03	PT-03	PT-03	PT-03	RB-02	RB-02	RB-02	RB-02	PT-02	
104	BEDROOM 1	LVT-01	PT-03	PT-03	PT-03	PT-03	RB-02	RB-02	RB-02	RB-02	PT-02	
105	BEDROOM 2	LVT-01	PT-03	PT-03	PT-03	PT-03	RB-02	RB-02	RB-02	RB-02	PT-02	
106	BEDROOM 3	LVT-01	PT-03	PT-03	PT-03	PT-03	RB-02	RB-02	RB-02	RB-02	PT-02	
107	BEDROOM 4	LVT-01	PT-03	PT-03	PT-03	PT-03	RB-02	RB-02	RB-02	RB-02	PT-02	
108	BATH 1	CT-01	PT-02	PT-02	PT-02	PT-02	RB-02	RB-02	RB-02	RB-02	PT-02	SHOWER STALL - WALLS: CT-03, FLOOR: CT-02
109	BATH 2	CT-01	PT-02	PT-02	PT-02	PT-02	RB-02	RB-02	RB-02	RB-02	PT-02	SHOWER STALL - WALLS: CT-03, FLOOR: CT-02
110	MEDS	SC	PT-02	PT-02	PT-02	PT-02	RB-02	RB-02	RB-02	RB-02	PT-02	
111	SUPPLY	SC	PT-02	PT-02	PT-02	PT-02	RB-02	RB-02	RB-02	RB-02	PT-02	
112	VEHICLE BAY	SC	PT-02	PT-02	PT-02	PT-02	RB-02	RB-02	RB-02	RB-02	-	CEILING: OPEN CELL INSULATION - WHITE
113	TRAINING ROOM	LVT-01	PT-01	PT-01	PT-01	PT-01	RB-01	RB-01	RB-01	RB-01	ACT-01	
114	TOILET	CT-01	PT-04	PT-04	CT-03	PT-04	RB-01	RB-01	CT-03	RB-01	PT-02	EPOXY PAINT FOR WALLS
115	OFFICE	LVT-01	PT-02	PT-02	PT-02	PT-02	RB-01	RB-01	RB-01	RB-01	ACT-01	
116	OFFICE	LVT-01	PT-02	PT-02	PT-02	PT-02	RB-01	RB-01	RB-01	RB-01	ACT-01	
117	CUSTODIAL	SC	PT-02	PT-02	PT-02	PT-02	RB-03	RB-03	RB-03	RB-03	ACT-02	
118	STORAGE	LVT-01	PT-02	PT-02	PT-02	PT-02	RB-03	RB-03	RB-03	RB-03	ACT-02	
119	HALLWAY	LVT-01	PT-01	PT-01	PT-01	PT-01	RB-01	RB-01	RB-01	RB-01	ACT-01	
120	WAITING	LVT-01	WC-01	WC-01	WC-01	WC-01	RB-01	RB-01	RB-01	RB-01	ACT-01	FRONT OF RECEPTION - PL-05
121	RECEPTION	LVT-01	PT-01	PT-01	PT-01	PT-01	RB-01	RB-01	RB-01	RB-01	ACT-01	
122	CORRIDOR	LVT-01	PT-01	PT-01	PT-01	PT-01	RB-01	RB-01	RB-01	RB-01	ACT-01	
123	NURSE/LAB	LVT-01	PT-01	PT-01	PT-01	PT-01	RB-01	RB-01	RB-01	RB-01	ACT-01	FRONT OF NURSE STATION - PL-05
124	LOUNGE	LVT-01	PT-01	PT-01	PT-01	PT-01	RB-01	RB-01	RB-01	RB-01	ACT-01	
125	STAFF TOILET	SV-01	PT-04	PT-04	PT-04	CT-03	-	-	-	CT-03	PT-02	6\" COVE BASE WITH SV-01, EPOXY PAINT FOR WALLS
126	TOILET	SV-01	PT-04	PT-04	PT-04	CT-03	-	-	-	CT-03	PT-02	6\" COVE BASE WITH SV-01, EPOXY PAINT FOR WALLS
127	EXAM-1	SV-01	WC-01	WC-01	WC-01	WC-01	RB-01	RB-01	RB-01	RB-01	ACT-01	
128	EXAM-2	SV-01	WC-01	WC-01	WC-01	WC-01	RB-01	RB-01	RB-01	RB-01	ACT-01	
129	EXAM-3	SV-01	WC-01	WC-01	WC-01	WC-01	RB-01	RB-01	RB-01	RB-01	ACT-01	
130	PROCEDURE 1	SV-01	WC-01	WC-01	WC-01	WC-01	RB-01	RB-01	RB-01	RB-01	ACT-01	
131	CUST.	SC	PT-02	PT-02	PT-02	PT-02	RB-03	RB-03	RB-03	RB-03	ACT-02	EPOXY PAINT FOR WALLS
132	PROCEDURE 2	SV-01	WC-01	WC-01	WC-01	WC-01	RB-01	RB-01	RB-01	RB-01	ACT-01	
133	PROCEDURE 3	SV-01	WC-01	WC-01	WC-01	WC-01	RB-01	RB-01	RB-01	RB-01	ACT-01	
134	SOILED STRG	SV-01	PT-02	PT-02	PT-02	PT-02	RB-03	RB-03	RB-03	RB-03	ACT-02	EPOXY PAINT FOR WALLS
135	CLEAN STRG	SV-01	PT-02	PT-02	PT-02	PT-02	RB-03	RB-03	RB-03	RB-03	ACT-02	EPOXY PAINT FOR WALLS
136	OFFICE	CPT-01	PT-02	PT-02	PT-02	PT-02	RB-01	RB-01	RB-01	RB-01	ACT-01	
137	OFFICE	CPT-01	PT-02	PT-02	PT-02	PT-02	RB-01	RB-01	RB-01	RB-01	ACT-01	
138	MEDICATION & TESTING ROOM	SV-01	WC-01	WC-01	WC-01	WC-01	RB-01	RB-01	RB-01	RB-01	ACT-02	
139	TOILET	SV-01	CT-03	PT-04	PT-04	PT-04	CT-03	-	-	-	PT-02	6\" COVE BASE WITH SV-01, EPOXY PAINT FOR WALLS
140	ELEC/ IT RM	LVT-01	PT-02	PT-02	PT-02	PT-02	RB-03	RB-03	RB-03	RB-03	ACT-02	

FINISHES - BASIS OF DESIGN

- FLOORING:**
CPT-01: INTERCERAMIC - CONSTRUCT MAXIMUM STEEL 10.5\"X12\" HEX
CT-02: INTERCERAMIC RESTORATION (10\"X12\" MOSAIC) 1\" HEX GRAY/WHITE
LVT-01: SHAW 5TH & MAIN - BUILDING PRODUCTS - COLOR #545 BLEACHED WOOD
SV-01: MANNINGTON BIOSPEC MD - COLOR HOJUCHA #15417
SC: SEALED CONCRETE
- WALL BASE:**
RB-01: ROPPE - CONTOURS - VALIANT #70 - PV4070 - PEWTER 178
RB-02: ROPPE - CONTOURS - VERTICAL #65 - PV4065 - PEWTER 178
RB-03: ROPPE - WALL BASE - PINNACLE TYPE T3 - PEWTER 178
- WALL:**
PT-01: BENJAMIN MOORE - 699 GARDEN OASIS (EGGSHELL)
PT-02: BENJAMIN MOORE - 857 SHEEP'S WOOL (EGGSHELL)
PT-03: BENJAMIN MOORE - 1473 GREY HUSKIE (EGGSHELL)
PT-04: BENJAMIN MOORE - 1536 NORTHERN CLIFFS (EGGSHELL)
WC-01: MIDC WALL - GENON EPIC NEWPORT NUDES VQ-EP-25
CT-03: INTERCERAMIC - RIPPLE-BONE 3X12 (VERTICAL BRICK PATTERN)
PL-05: -GROUT- CUSTOM BUILDING PRODUCTS - COLOR #545 BLEACHED WOOD
FORMICA - WHITE DROPS MATTE FINISH 8824-58
- CEILING:**
ACT-01: ROCKFON KORAL - SLN 1120 WHITE (2X2)
ACT-02: ROCKFON HYBRID PLUS - 30.31100 - WHITE (2X2)
PT-02: BENJAMIN MOORE - 857 SHEEP'S WOOL (FLAT)
- CASEWORK:**
PL-01: FORMICA - PEARL MATTE FINISH 834-58 (CABINETS)
PL-02: FORMICA - WALNUT FIBERWOOD 8915-G (CABINETS)
PL-03: FORMICA - NEUTRAL WELT MATTE FINISH 5875-58 (CABINETS)
PT-02: BENJAMIN MOORE - 857 SHEEP'S WOOL (SEMGLOSS)
- COUNTERTOPS:**
QTZ-01: HANEX SOLID SURFACE BIANCO CLASSICO ST-302
PL-04: FORMICA - GREEN SLATE MATTE FINISH 8793-58



EXAMPLES



GLASS TYPES

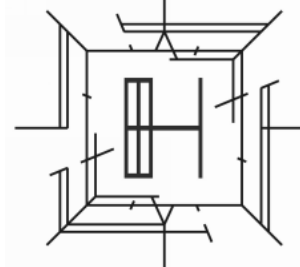
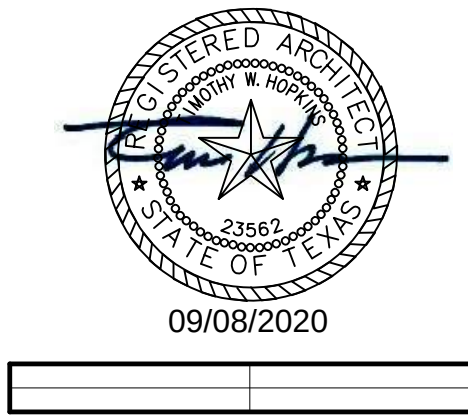
1. ANNEALED
2. WIRE (3)
3. LEAD GLASS (2)
4. ART GLASS (2)
5. INTEGRAL BLINDS (REF DET A3.33/14)
6. LAMINATED

NOTE:
REFER TO SAFETY GLASS LOCATIONS
CRITERIA.

BORROWED LITES SCHEDULE							
TYPE	MARK	HEIGHT	WIDTH	GLASS TYPE	FRAME TYPE	HEIGHT AFF (1)	REMARKS
SW1	01	4'-4"	5'-0"	6	5	7'-2"	

FRAMES - BASIS OF DESIGN

SW1: CR LAURENCE - CRL SHARYN "FRAMELESS" PASS-THRU - SHCX0BRZ - PUSH BUTTON LOCK - CLEAR ANODIZED



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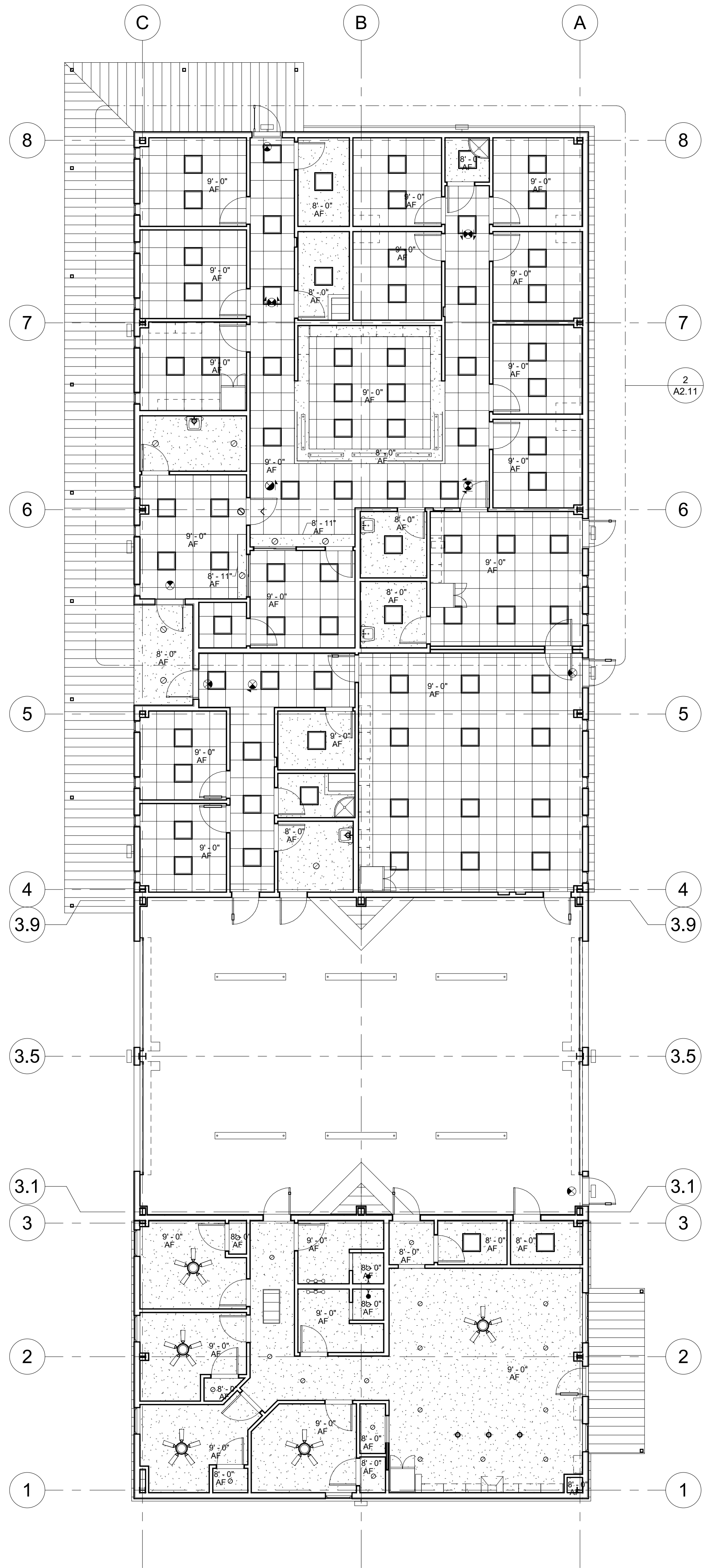
HA PROJECT NUMBER
01921-00-00
DATE
09/08/2020
ISSUE
CONSTRUCTION DOCUMENTS

SHEET TITLE
INTERIOR FINISH SCHEDULE

SHEET NO.

A3.70

AMBULANCE STATION & CLINIC
POSSUM KINGDOM LAKE EAST, GRAFARD, TX
CLIENT: PPC EMERGENCY SERVICES DISTRICT NO.1



AMBULANCE STATION & CLINIC

POSSUM KINGDOM LAKE EAST, GRAFORD, TX

CLIENT: PPC EMERGENCY SERVICES DISTRICT NO.1

09/08/2020

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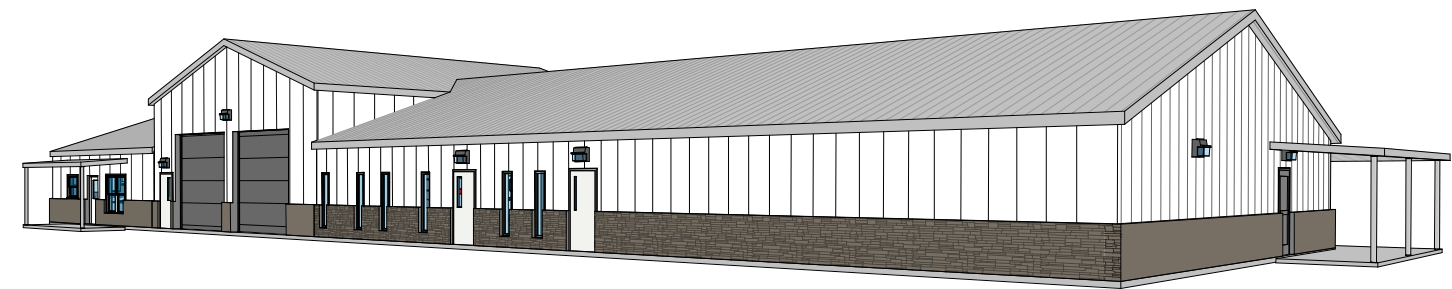
CONSTRUCTION DOCUMENTS

SHEET TITLE

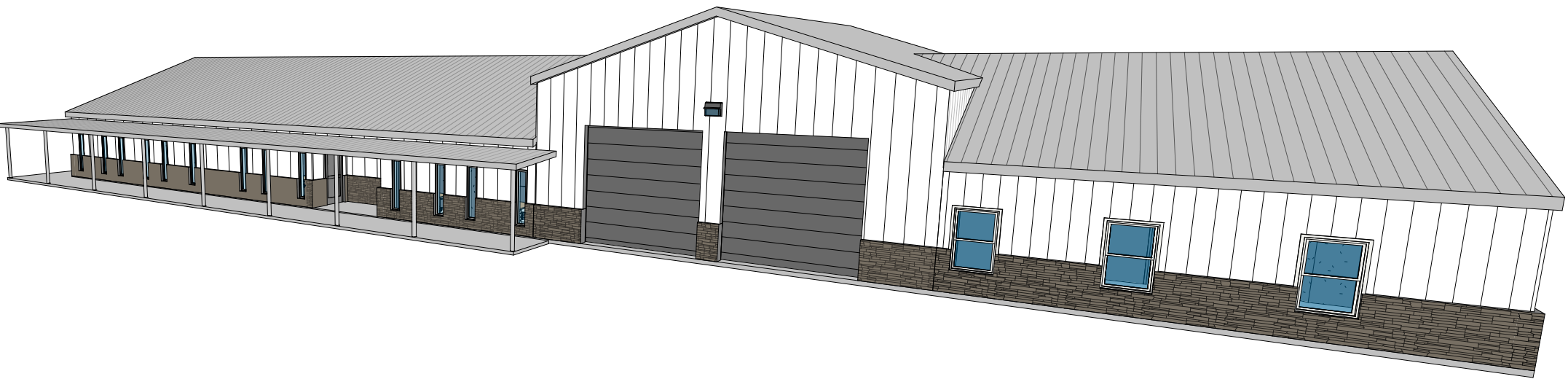
REFLECTED CEILING PLAN

SHEET NO.

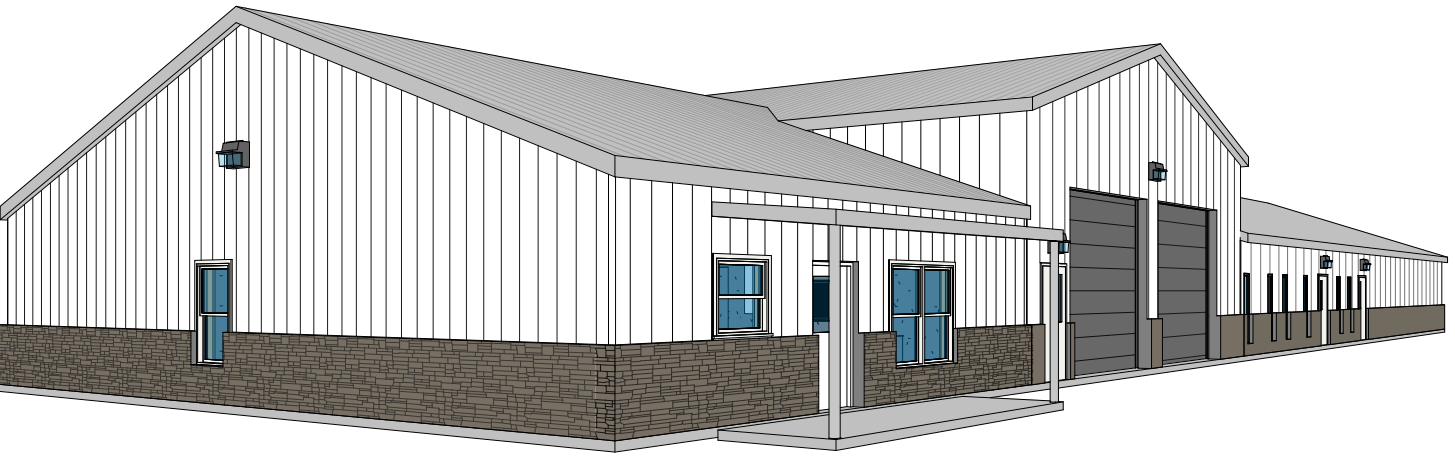
A4.01



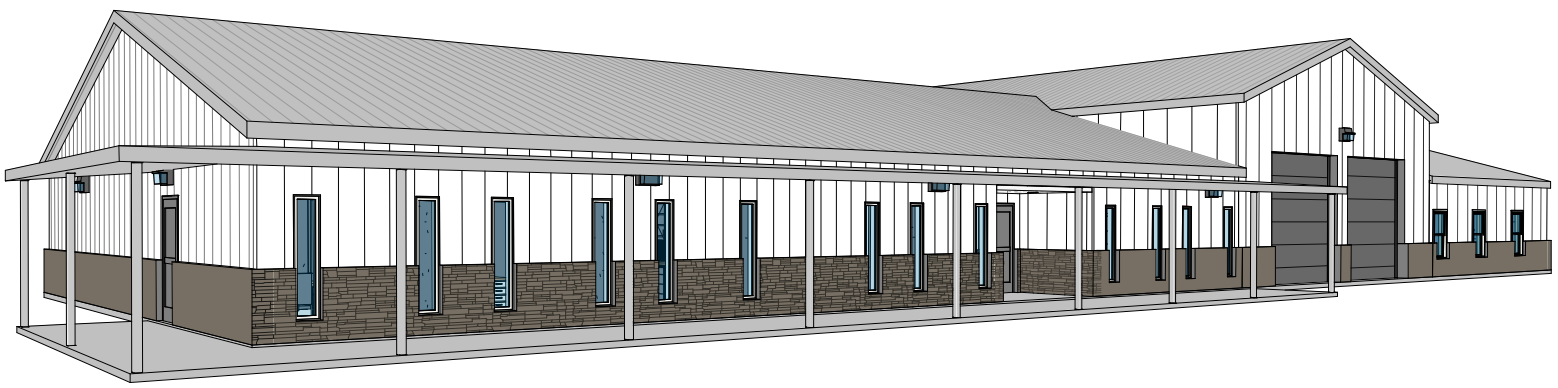
04 EAST VIEW



03 WEST VIEW



02 SE VIEW - AMB. STA. RESIDENCE

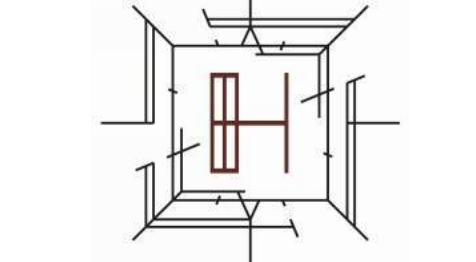
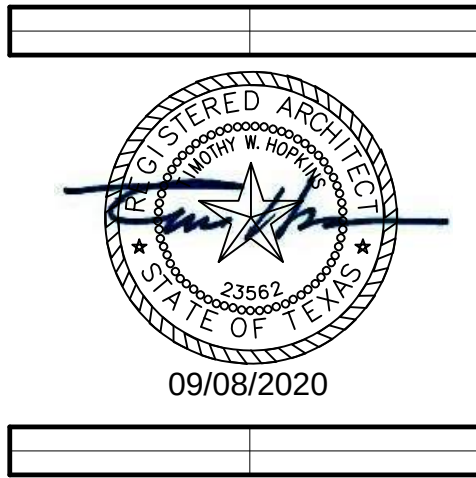


01 NW VIEW - CLINIC/ ESD1 OFFICE

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POSSUM KINGDOM LAKE EAST, GRAFORD, TX

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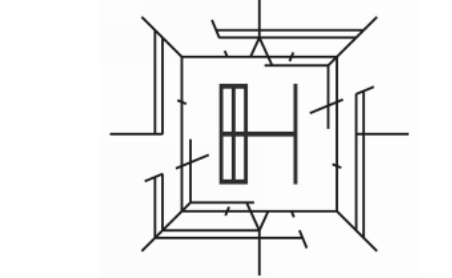
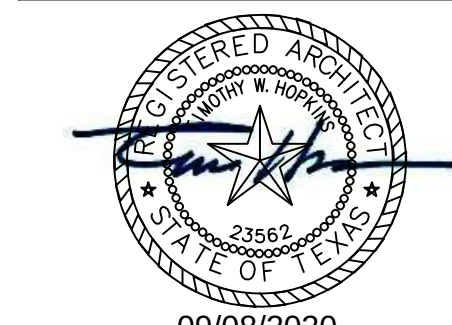
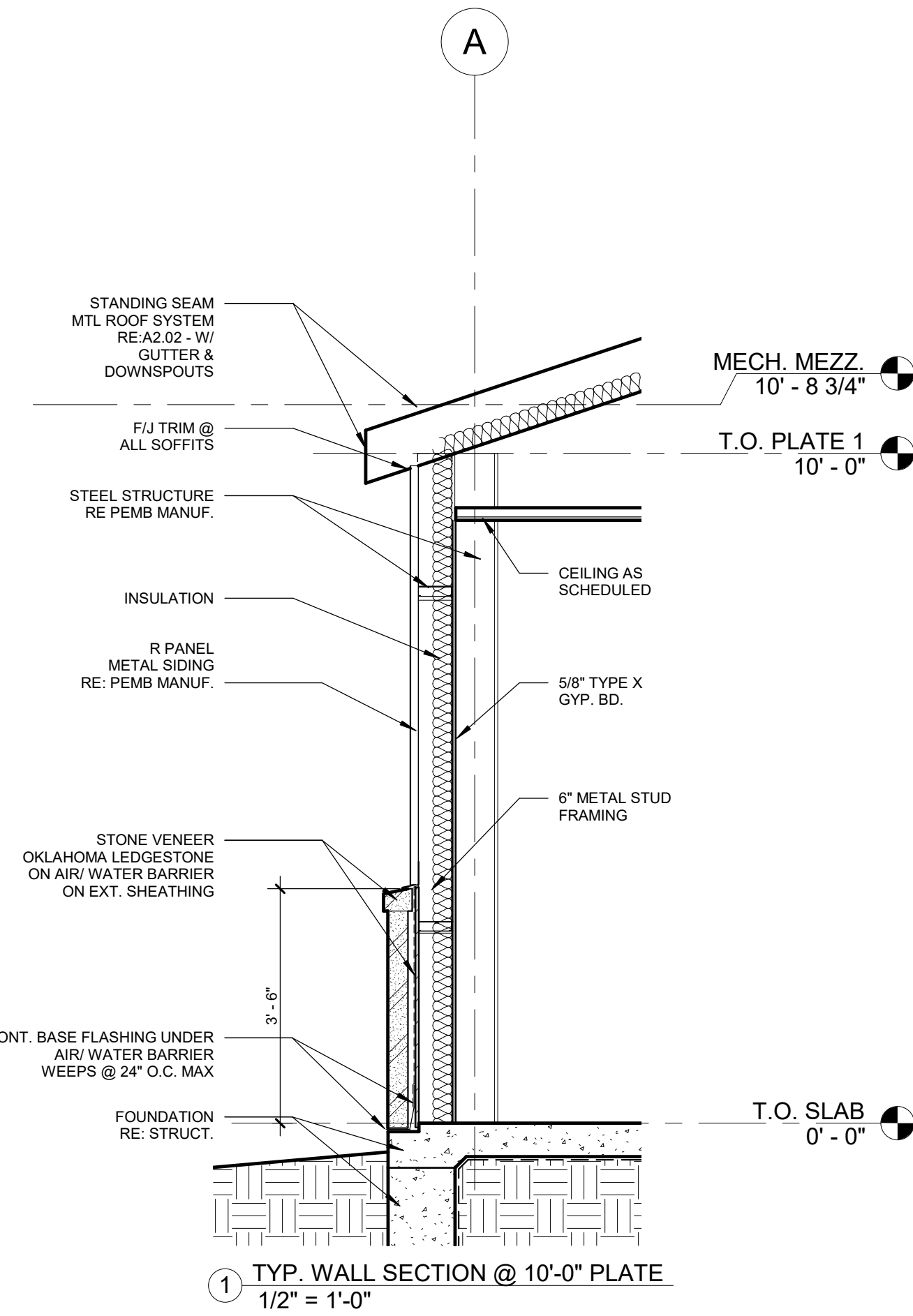
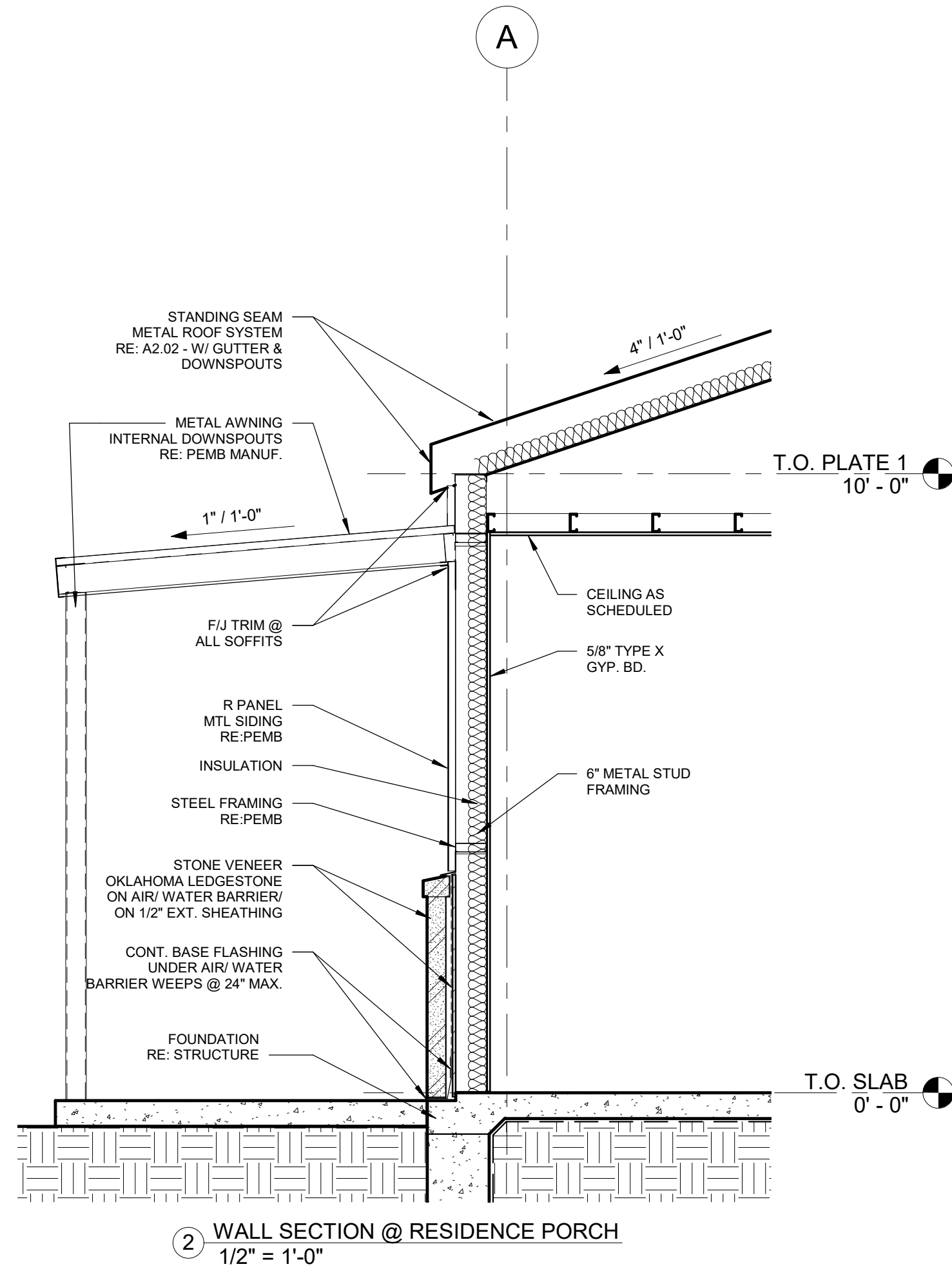
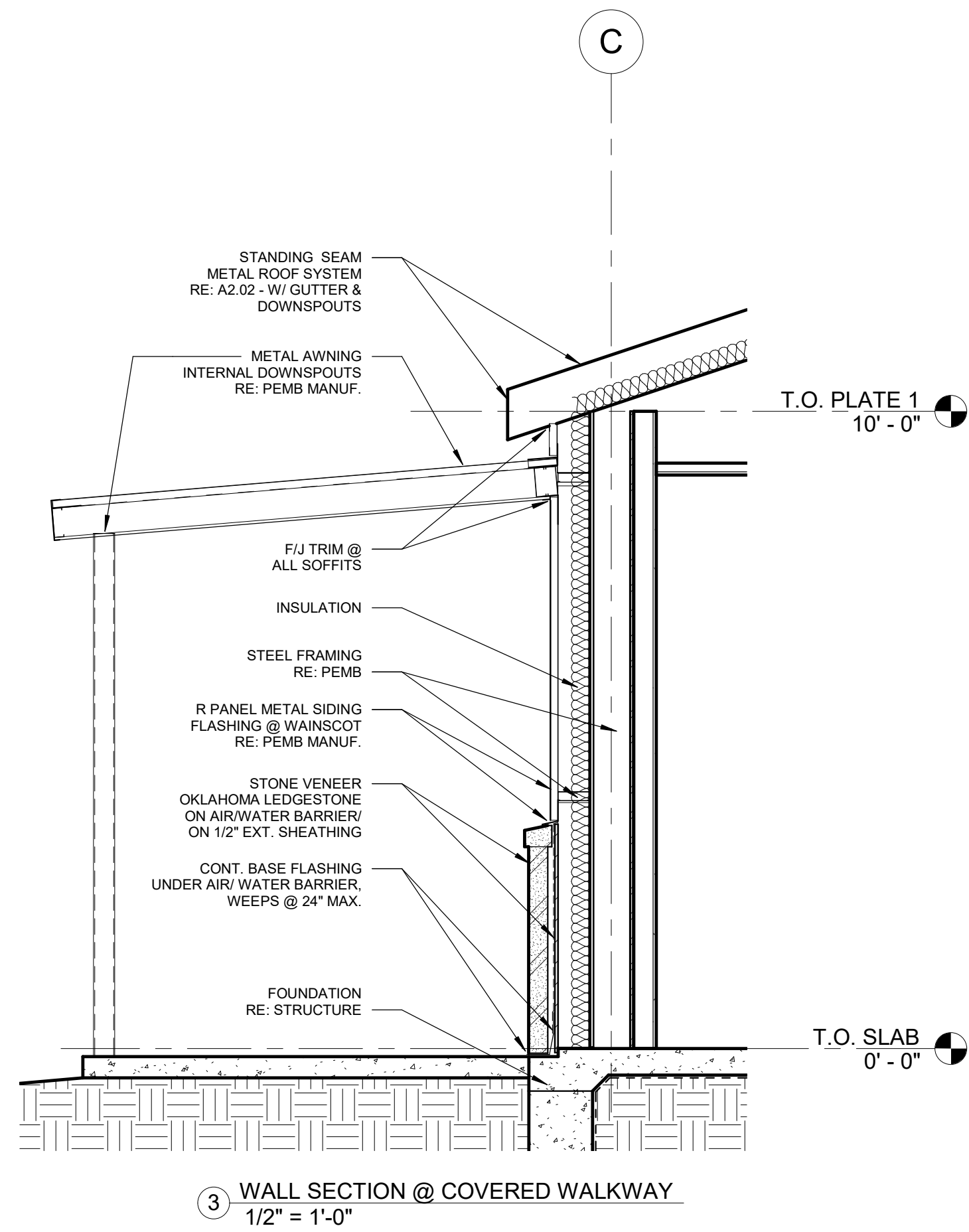
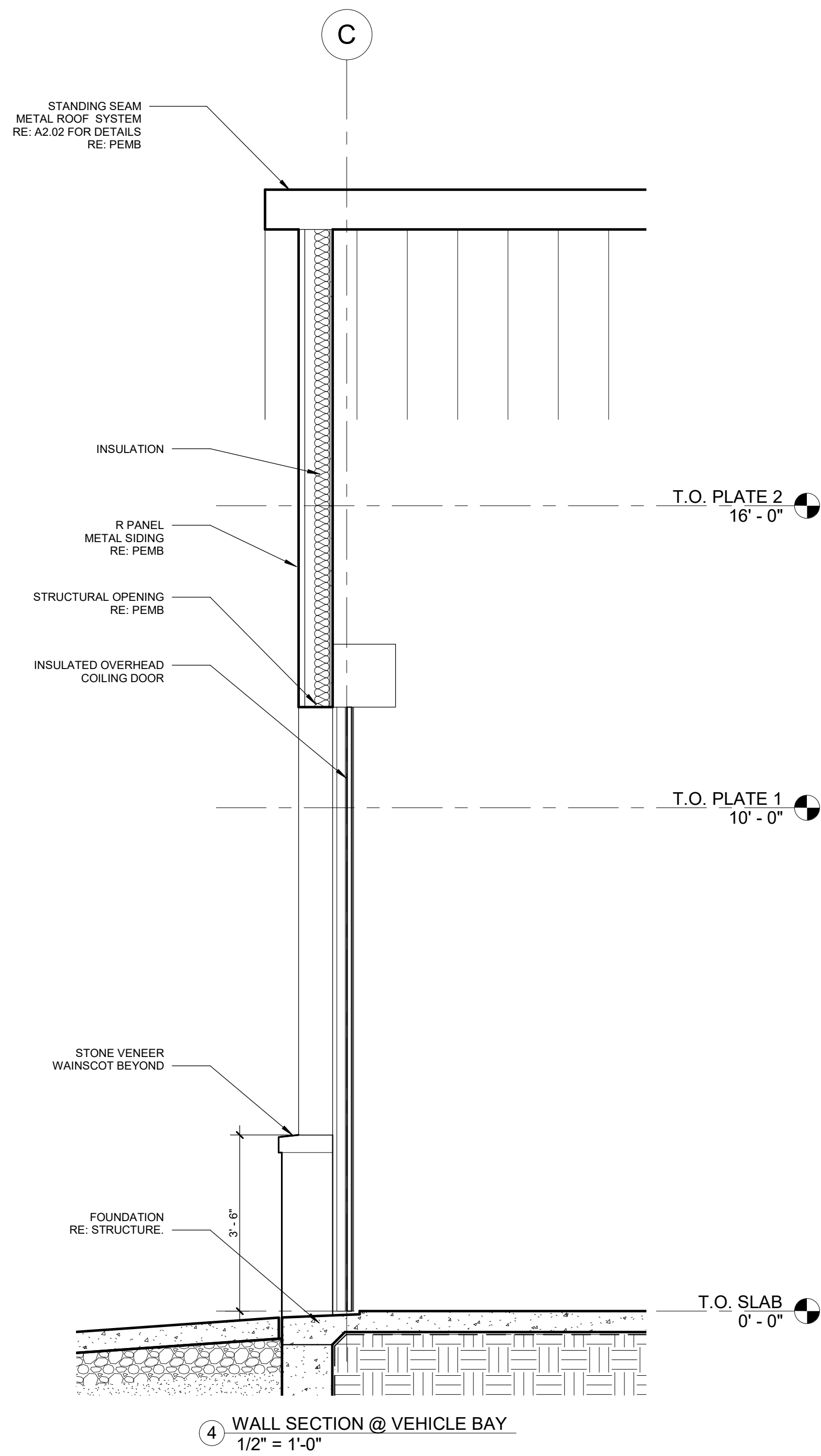
DATE
09/08/2020

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CONSTRUCTION DOCUMENTS

SHEET TITLE
PERSPECTIVES

SHEET NO.
A5.02

PLOT DATE: 9/8/2020 10:02:29 AM TEMPLATE VERSION:



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REVISION NO.	DESCRIPTION	DATE

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09/08/2020

ISSUE
CONSTRUCTION DOCUMENTS

SHEET TITLE
WALL SECTIONS

SHEET NO.

A6.01

REVISION		
NO.	DESCRIPTION	DATE

[illegible]

HA PROJECT NUMBER

01921-00-00

DATE _____

09/08/2020

ISSUE
**CONSTRUCTION
DOCUMENTS**

SHEET TITLE

**MECHANICAL
SYMBOLS &
ABBREVIATIONS**

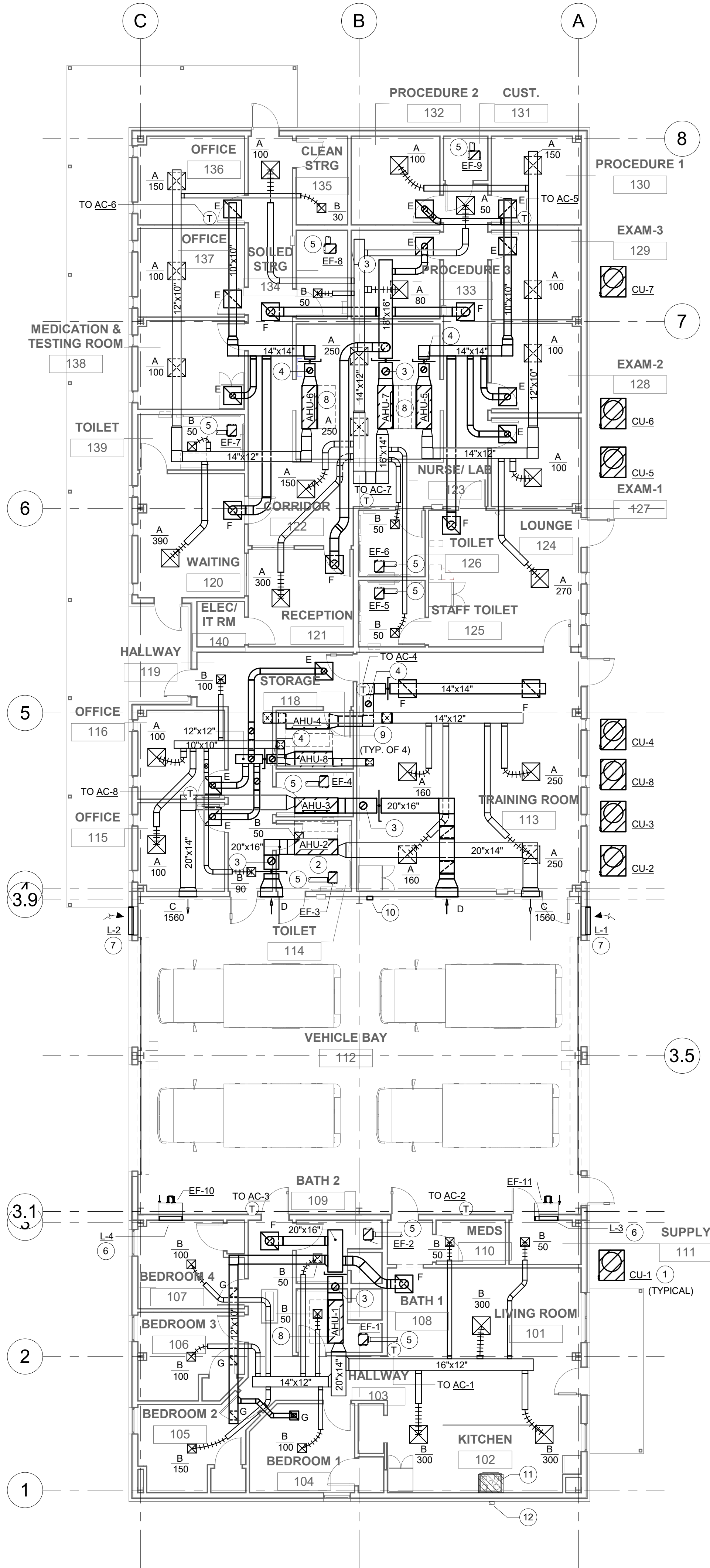
SHEET NO.

MO.1

EQUIPMENT TAG KEYS		HVAC ABBREVIATIONS		HVAC SYMBOLS LEGEND	
GENERAL EQUIPMENT		ABBREVIATION		STATS/SENSORS/DETECTORS	
EQUIPMENT ABBREVIATION (SEE LEGEND THIS SHEET) EQUIPMENT SCHEDULE DESIGNATION (DOES NOT INDICATE QUANTITY) KSU-1		ABOVE FINISHED FLOOR ELEVATION AIR-CONDITIONING UNIT AS HIGH AS POSSIBLE AIR-HANDLING UNIT AIR SEPARATOR AIR VENT BOILER BUILDING CONTROL SYSTEM MANUAL BALANCING DAMPER BELOW FINISHED FLOOR ELEVATION BUILDING MANAGEMENT SYSTEM CUBIC FEET PER MINUTE CUBIC FEET PER HOUR CHILLER CHILLED WATER PUMP CHILLED WATER RETURN CHILLED WATER SUPPLY CONDENSATE PUMP CONDENSATE RETURN UNIT COOLING TOWER CONDENSING UNIT CHILLER ROOM VENTILATION FAN CONDENSER WATER PUMP CONDENSER WATER RETURN CONDENSER WATER SUPPLY DRY BULB DISHWASHER EXHAUST FAN ENTERING AIR TEMPERATURE EXHAUST FAN ELECTRIC INFRARED RADIANT HEATER ENERGY MANAGEMENT SYSTEM ENERGY RECOVERY VENTILATOR EXTERNAL STATIC PRESSURE ELECTRIC UNIT HEATER ENTERING WATER TEMPERATURE FAN-COIL UNIT FIRE DAMPER FORCED-FLOW CABINET HEATER FAN-POWERED TERMINAL BOX FEET PER SECOND COMBINATION FIRE/SMOKE DAMPER GARAGE EXHAUST FAN GAS-FIRED INFRARED RADIANT HEATER GALLONS PER MINUTE GAS-FIRED UNIT HEATER GEO THERMAL WATER RETURN GEO THERMAL WATER SUPPLY HEAT PUMP HUMIDIFIER HEATING WATER PUMP HEATING WATER RETURN HEATING WATER SUPPLY HOT WATER UNIT HEATER HEAT EXCHANGER KITCHEN HOOD EXHAUST FAN KITCHEN HOOD SUPPLY UNIT LOUVER LEAVING AIR TEMPERATURE LEAVING WATER TEMPERATURE MIXED AIR TEMPERATURE 1,000 BTU/HOUR MANUFACTURER MINI-SPLIT AIR-CONDITIONING UNIT MINI-SPLIT CONDENSING UNIT NOT TO SCALE OUTSIDE AIR OUTSIDE AIR SUPPLY FAN OUTSIDE AIR UNIT OPPOSED-BLADE DAMPER PRESSURE REDUCING VALVE RETURN AIR FAN RETURN AIR SILENCER RELIEF AIR FAN RADIANT HEATER PACKAGED DX ROOFTOP UNIT SUPPLY AIR FAN SUPPLY AIR SILENCER SMOKE DAMPER SMOKE EXHAUST FAN TOILER EXHAUST FAN TOTAL STATIC PRESSURE TYPICAL UNLESS NOTED OTHERWISE UNIT HEATER VARIABLE VOLUME TERMINAL BOX VENTILATION FAN WET BULB WATER COLUMN EXPANSION TANK		THERMOSTAT/TEMPERATURE SENSOR HUMIDISTAT/RH SENSOR PRESSURE SENSOR SMOKE DETECTOR REFRIGERANT DETECTOR CARBON DIOXIDE DETECTOR CARBON MONOXIDE DETECTOR	
TERMINAL BOXES				DAMPERS	
TERMINAL BOX TYPE (SEE LEGEND THIS SHEET) PRIMARY AIR VALVE SIZE (REFER TO EQUIPMENT SCHEDULE) DESIGN COOLING AIRFLOW (CFM) DESIGN HEATING CAPACITY (GPM OR KW) FPB-8 100 1.0				MANUAL BALANCING DAMPER GRAVITY BACKDRAFT DAMPER AUTOMATIC (MOTORIZED) DAMPER FIRE DAMPER SMOKE DAMPER COMBINATION FIRE-SMOKE DAMPER	
GRILLES, REGISTERS, DIFFUSERS				DUCTWORK	
EQUIPMENT SCHEDULE DESIGNATION (DOES NOT INDICATE QUANTITY) 100 CFM DESIGN AIRFLOW (CFM) A				SINGLE LINE DESCRIPTION DOUBLE LINE	
IMPORTANT NOTES FOR CONTRACTOR					
1. "CONSTRUCTION DOCUMENTS" ARE DEFINED AS ALL DRAWINGS AND SPECIFICATIONS TOGETHER. CONTRACTOR SHALL FULLY EXAMINE AND BECOME FAMILIAR WITH THE CONSTRUCTION DOCUMENTS IN THEIR ENTIRETY. ANY DISCREPANCY OR UNCLEAR INFORMATION FOUND IN THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND ARCHITECT PRIOR TO PERFORMING ANY WORK INVOLVING ANY CONFLICTING INFORMATION. ALL COSTS SUBMITTED SHALL BE BASED ON THOROUGH KNOWLEDGE OF ALL PRODUCTS, MATERIALS, AND LABOR REQUIRED FOR COMPLETE, COORDINATED, PROPERLY INSTALLED, AND FUNCTIONING SYSTEMS. ANY ADDITIONAL COSTS DUE TO FAILURE TO COMPLY WITH THIS REQUIREMENT ARE THE RESPONSIBILITY OF THE CONTRACTOR. 2. DRAWINGS ARE DIAGRAMATIC AND SHOW ONLY GENERAL ARRANGEMENT OF WORK. NOT ALL TRANSITIONS, OFFSETS, SLOPES, ETC. ARE SHOWN THAT MAY BE REQUIRED FOR PROPER INSTALLATION. DRAWINGS DO NOT SHOW DIMENSIONS FOR LOCATING ANY WORK AND SHALL NOT BE SCALED FOR BIDDING, ORDERING, INSTALLATION, OR ANY OTHER PURPOSE. 3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REQUIREMENTS OF HIS WORK WITH ALL OTHER TRADES. THIS INCLUDES, BUT IS NOT LIMITED TO, POWER REQUIREMENTS, LOCATIONS OF EQUIPMENT, AIR DEVICES, DUCTWORK, AND PIPING, PROPER SERVICE AND CODE-REQUIRED WORKING CLEARANCES, CONTROLS REQUIREMENTS, ETC. 4. SUBMITTAL REVIEW: SUBMITTALS ARE REVIEWED BY THE ENGINEER ONLY FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS, MEANS AND METHODS OF CONSTRUCTION, AND COMPLIANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR IS FULLY RESPONSIBLE FOR ALL SUBMITTALS PROVIDED - EITHER BY HIM DIRECTLY OR INDIRECTLY BY HIS VENDORS OR SUB-CONTRACTORS. SUBMITTALS PROVIDED BY VENDORS OR SUB-CONTRACTORS SHALL BE THOROUGHLY REVIEWED BY THE SUBMITTING CONTRACTOR FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS AND COORDINATION WITH ALL OTHER TRADES PRIOR TO SUBMITTAL TO THE ENGINEER. 5. IN THE EVENT THERE ARE ANY ISSUES RELATED TO QUALITY OF MATERIALS AND/OR OPERATIONS OF ANY MECHANICAL, ELECTRICAL, OR PLUMBING EQUIPMENT, THE OWNER SHALL PUT INTO FORCE ANY ARTICLES OF THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR RELATED TO ITEMS STATED ABOVE. 6. IN THE EVENT ANY ITEMS ARE DEEMED TO BE POOR QUALITY, NOT IN WORKING ORDER, OR ANY OTHER DEFICIENCY, THE CONTRACTOR SHALL HAVE THE RIGHT TO ENFORCE ANY AND ALL WARRANTY LANGUAGE AS STATED BETWEEN THEIR (OWNER AND CONTRACTOR) AGREEMENT. 7. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL NECESSARY MATERIALS AND LABOR WHETHER SHOWN ON THE DRAWINGS OR NOT. THE OWNER MAINTAINS ALL RIGHTS AND FIRST REFUSAL FOR ANY SUBSTITUTIONS FOR ANY MATERIALS REQUIRED FOR THE COMPLETION OF THIS CONSTRUCTION PROJECT. 8. THE ARCHITECT AND ENGINEER SHALL BE HELD HARMLESS FOR ANY INSTALLATIONS NOT PREVIOUSLY REVIEWED OR DESIGNED.					

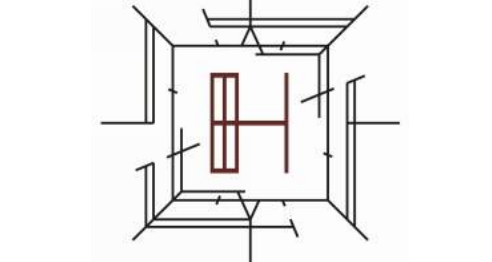
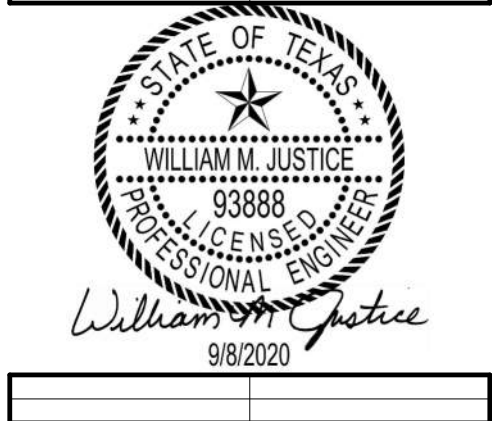
- MECHANICAL GENERAL NOTES
- REFER TO AIR DEVICE SCHEDULE FOR NECK/RUN-OUT SIZES TO DIFFUSERS.
 - ALL AIR DEVICES SHALL HAVE MANUAL BALANCING DAMPERS.
 - ROUTE OUTSIDE AIR DUCTS UP THROUGH ROOF TO FULL-SIZE ROOF JACK WITH WEATHER CAP AND INSECT SCREEN. PROVIDE MANUAL VOLUME DAMPER AT OUTSIDE AIR DUCT CONNECTION TO RETURN AIR PLENUM. CONNECT OUTSIDE AIR DUCT DOWNSTREAM OF ALL RETURN AIR DUCT CONNECTIONS. PROVIDE SECOND MANUAL VOLUME DAMPER IN RETURN AIR PLENUM BETWEEN OUTSIDE AIR CONNECTION AND LAST RETURN AIR CONNECTION. ADJUST BOTH DAMPERS AS REQUIRED TO ACHIEVE SCHEDULED OUTSIDE AIR QUANTITY.
 - OFFSET OUTSIDE AIR DUCTS AS REQUIRED TO LOCATE ALL OUTSIDE AIR INTAKES 10 FEET (MIN.) FROM PLUMBING VENTS, GAS-FIRED APPLIANCE FLUES AND EXHAUST AIR OUTLETS.

- MECHANICAL KEYED NOTES
- CONDENSING UNIT MOUNTED ON 4" HIGH (MIN.) CONCRETE EQUIPMENT PAD. SIZE & ROUTE REFRIGERANT PIPING TO ASSOCIATED FAN-COIL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - AHU MOUNTED ON ACCESS PLATFORM ABOVE CEILING. COORDINATE PLATFORM LOCATION WITH LIGHTS, CEILING GRID AND PLUMBING. PROVIDE PULL-DOWN LADDER IN CEILING FOR PLATFORM ACCESS. COORDINATE LADDER LOCATION WITH ARCHITECT. MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCES AROUND AHU. PROVIDE AUX. DRAIN PAN WITH WATER DETECTOR FOR AHU. TYPICAL FOR ALL AHU'S.
 - 10" Ø OUTSIDE AIR DUCT DOWN TO AC UNIT.
 - 8" Ø OUTSIDE AIR DUCT DOWN TO AC UNIT.
 - 6" VENT THROUGH WALL TO WEATHERPROOF CAP PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
 - EXHAUST LOUVER THROUGH EXTERIOR WALL. INSTALL AS HIGH AS POSSIBLE.
 - INTAKE LOUVER THROUGH EXTERIOR WALL. INSTALL 6" A.F.F.
 - PROVIDE 3/4" CONDENSATE DRAIN LINE FROM AC UNIT. ROUTE TO NEAREST SINK TAILPIECE.
 - PROVIDE 3/4" CONDENSE DRAIN LINE FROM AC UNIT. ROUTE TO NEAREST MOP SINK.
 - AMC "1AD1" OR APPROVED EQUAL CARBON MONOXIDE AND NITROGEN DIOXIDE MONITORING SYSTEM. PROVIDE WITH WITH AMC "1222" REMOTE SENSORS OR APPROVED EQUAL. PROVIDE QUANTITY AND SPACING OF REMOTE SENSORS AS PER MANUFACTURER'S RECOMMENDATIONS. INTERLOCK WITH VEHICLE BAY DOORS. INTERLOCK WITH EXHAUST FANS EF-10 AND EF-11.
 - PROVIDE 30" WALL-MOUNTED, DUCTED VENT HOOD. HOOD SHALL HAVE A MAXIMUM FLOW RATE OF 300 CFM. INSTALL PER MANUFACTURER'S RECOMMENDATION.
 - PROVIDE EXTERIOR WALL CAP FOR VENT HOOD EXHAUST. COORDINATE COLOR WITH ARCHITECT.



TRUE NORTH PLAN NORTH 1 M2.1 FIRST FLOOR MECHANICAL PLAN SCALE: 1/8" = 1'-0"

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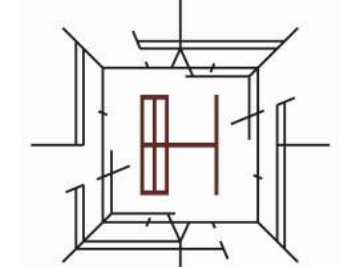
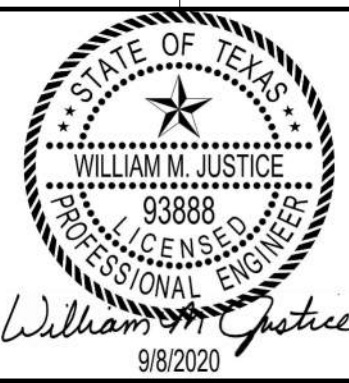


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REVISION NO.	DESCRIPTION	DATE

HA PROJECT NUMBER
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SHEET TITLE
FLOOR PLAN MECHANICAL

SHEET NO.
M2.1



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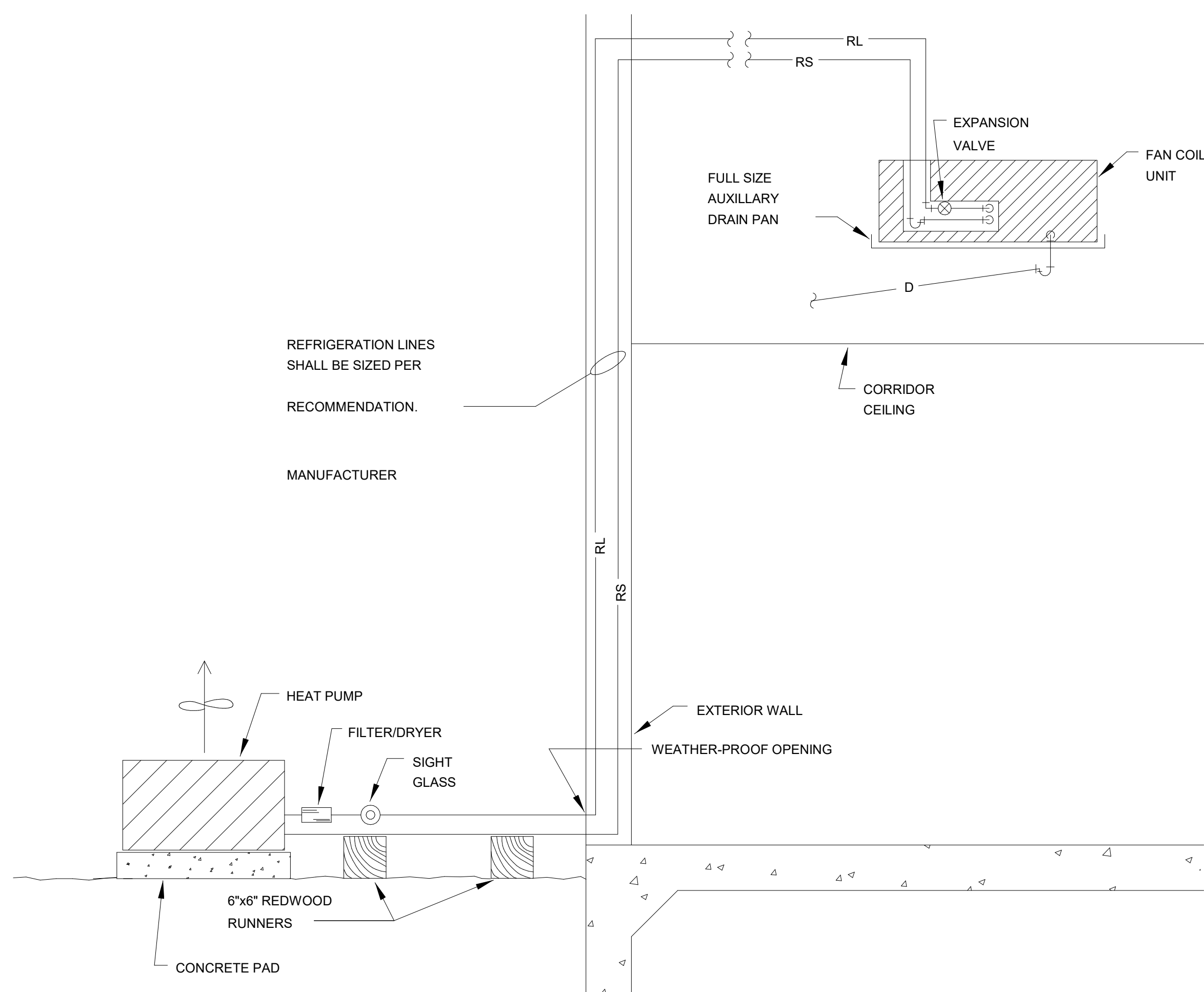
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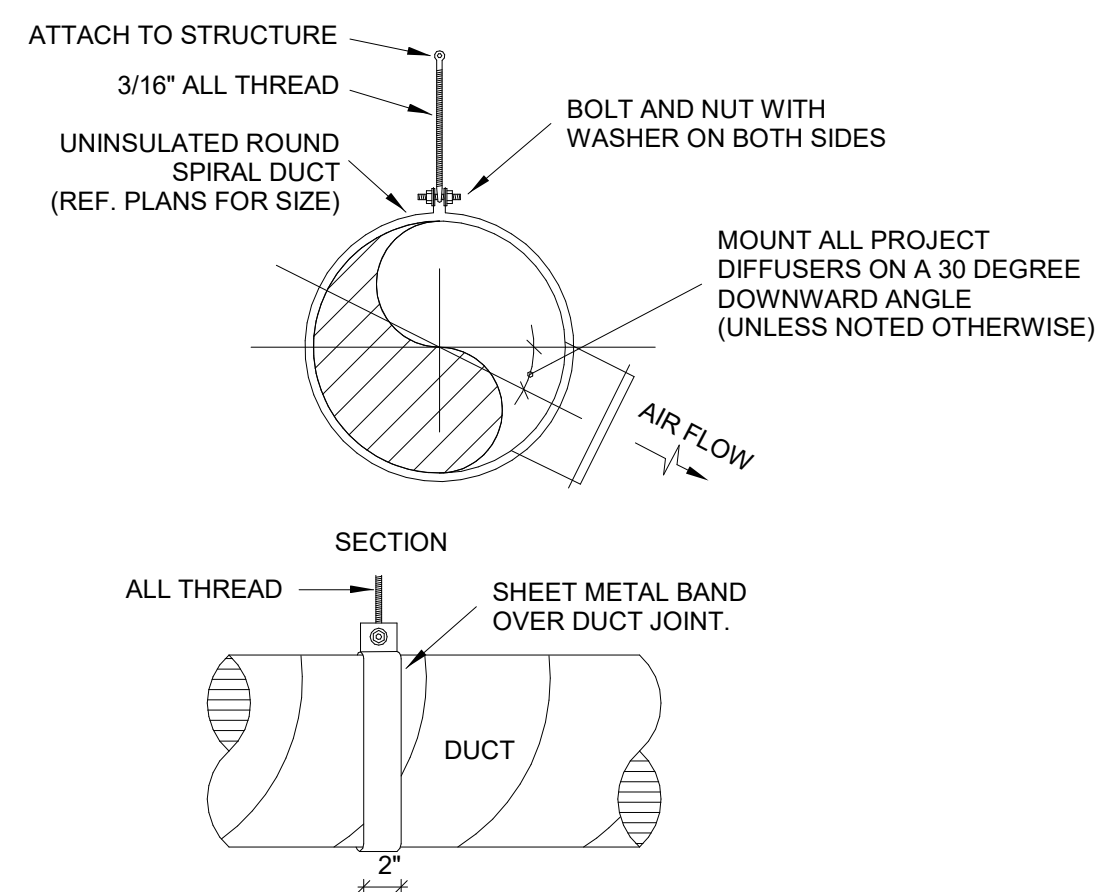
HA PROJECT NUMBER
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DATE
09/08/2020
ISSUE
CONSTRUCTION DOCUMENTS
SHEET TITLE
MECHANICAL DETAILS

SHEET NO.

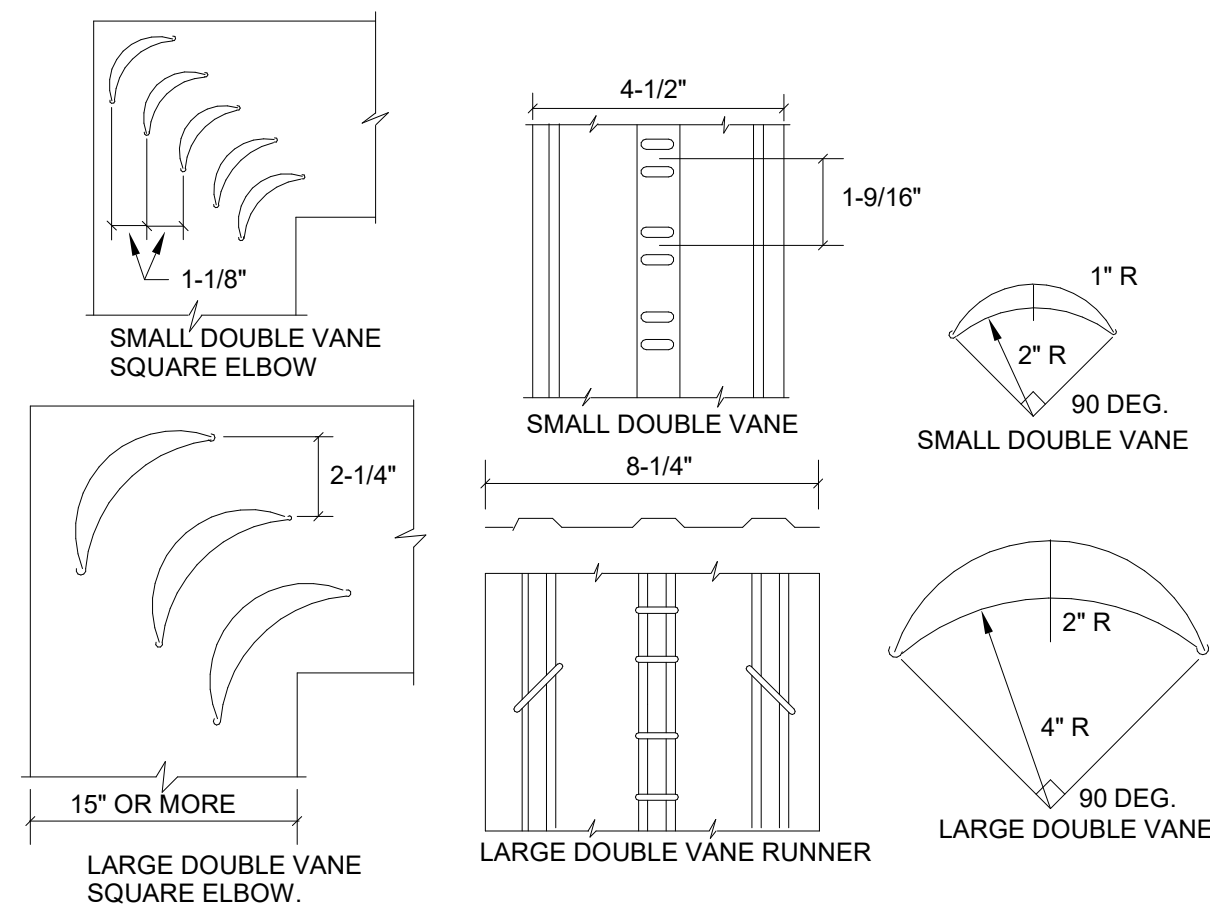
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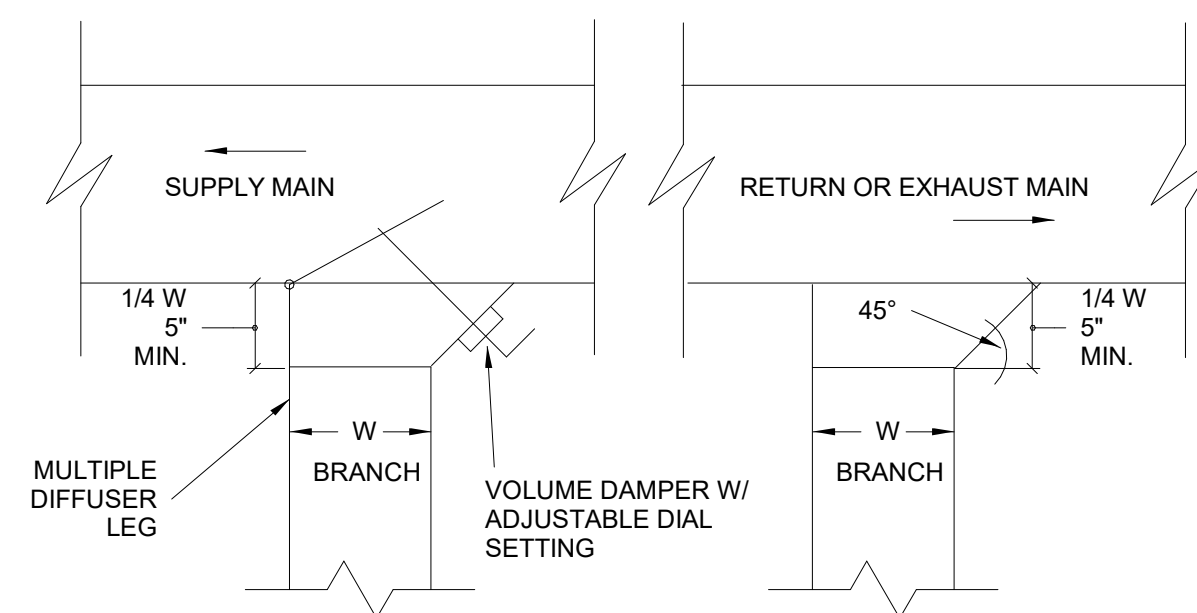
4 REFRIGERANT PIPING
M5.1 SCALE: 1 : 65



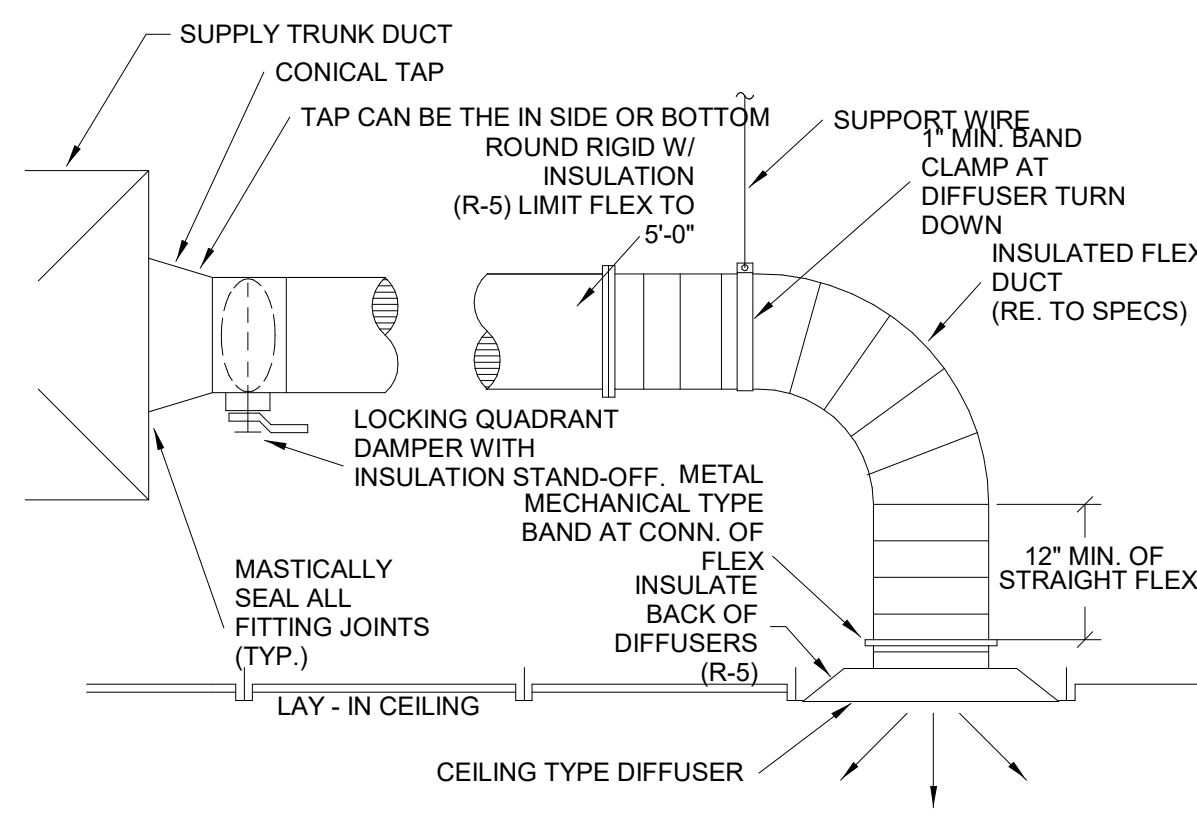
7 ROUND DUCT SUPPORT
M5.1 SCALE: 1/8" = 1'-0"



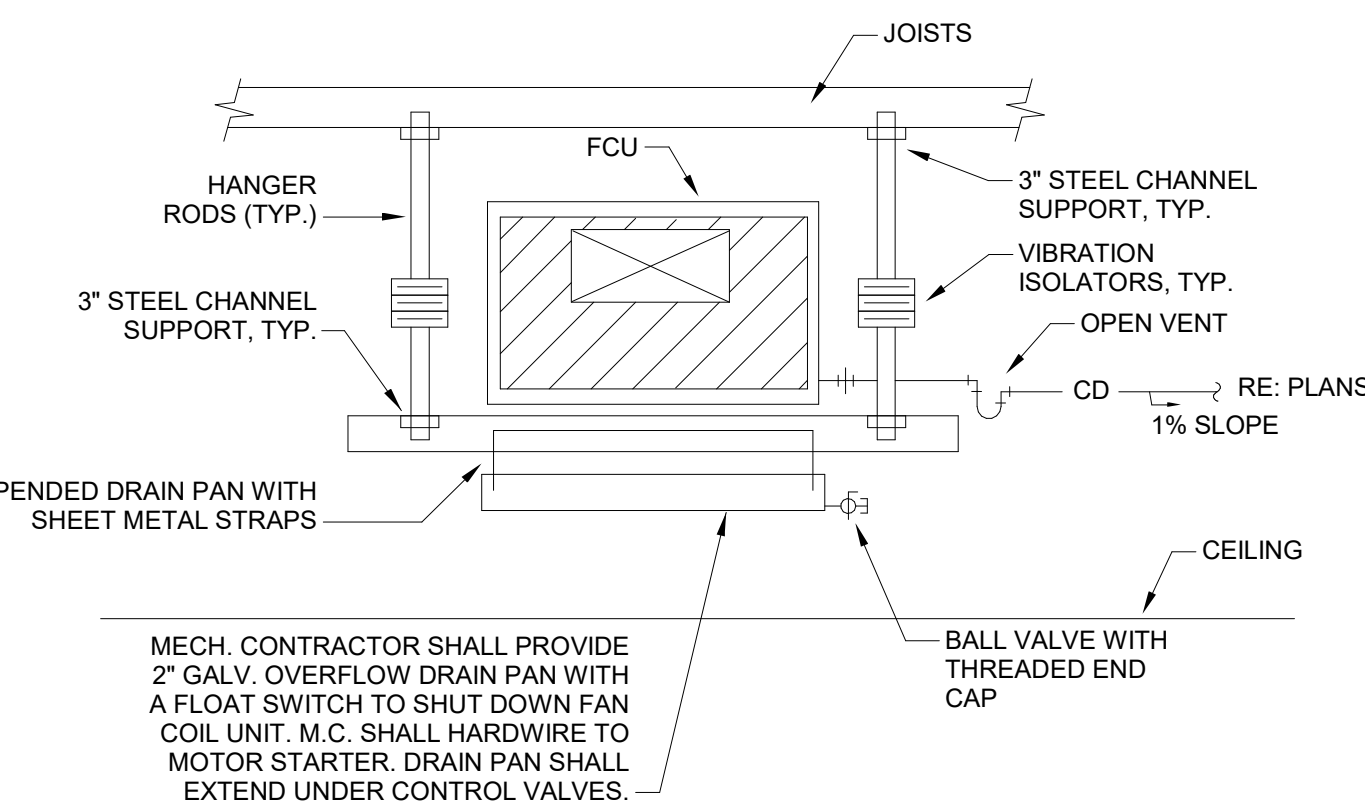
3 VANED DUCT ELBOW
M5.1 SCALE: 1/8" = 1'-0"



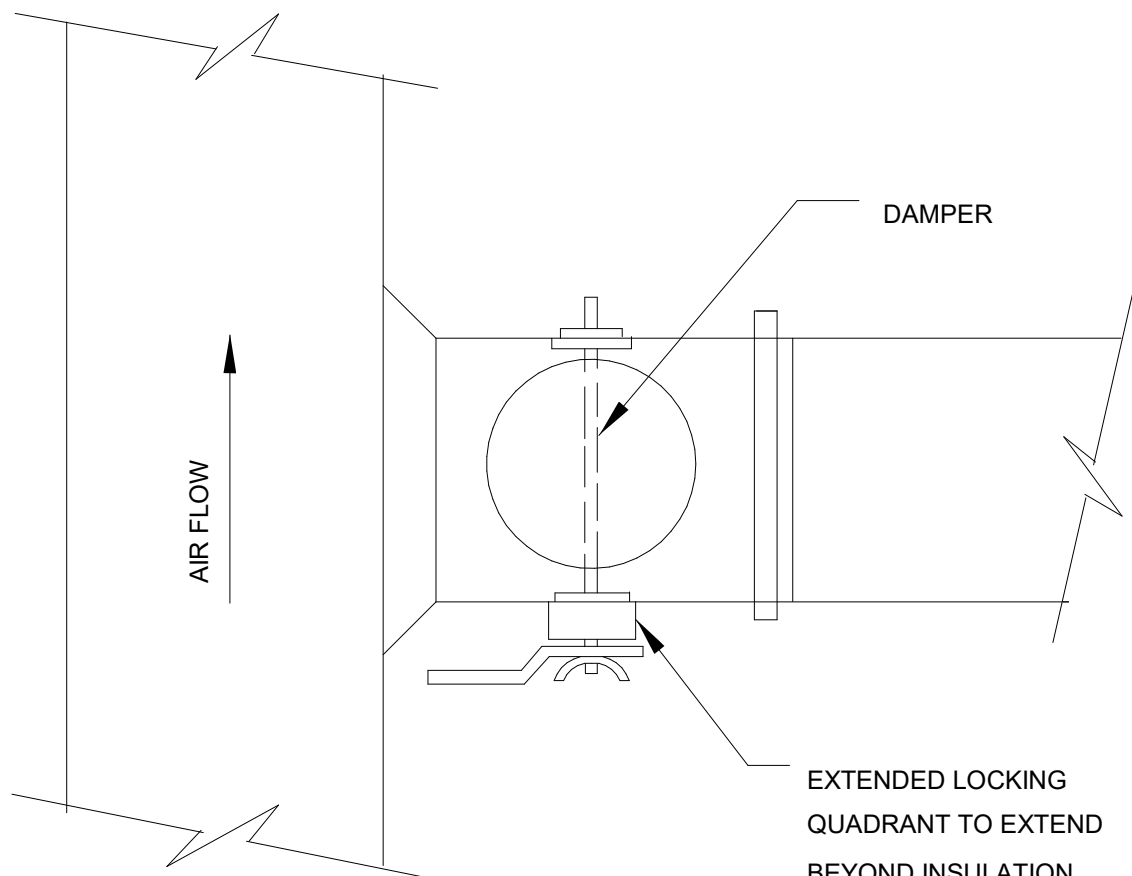
6 LOW PRESSURE BRANCH
M5.1 SCALE: 1 : 105



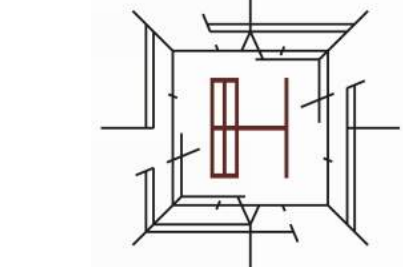
2 TYPICAL CEILING DIFFUSER
M5.1 SCALE: 1 : 105



5 FAN COIL SUPPORT
M5.1 SCALE: 1/8" = 1'-0"



1 CONICAL SPIN IN
M5.1 SCALE: 1 : 60



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MECHANICAL SCHEDULES

SHEET NO.

M6.1

SPLIT SYSTEM AIR CONDITIONING

DESIG.	SERVES	FAN				COOLING @ 105° F. AMBIENT					HEATING				EQUAL TO TRANE MODEL NUMBER	ELECTRICAL			
		CFM	O.A. CFM	ESP (IN)	HP	TOTAL MBH	SENS MBH	EAT DB/WB	LAT DB/WB	SEER	KW @ UNIT VOLTAGE	NO. OF STAGES	EAT DB	LAT DB		VOLT/ PHASE	FLA	MCA	MOCP
AHU-1	LIVING QUARTERS	1,550	300	0.5	3/4	48.4	30.1	79.7/64.8	55.0/54.5		10.8	1			TEM4	208/1	57.9	73.0	80
CU-1										14.0					4TTA4	208/3	16.8	21.0	35
AHU-2	VEHICLE BAY	1,560	250	0.5	3/4	45.9	29.9	78.9/64.4	55.2/54.7		10.8	1	70	91.7	TEM4	208/1	57.9	73.0	80
CU-2										14.5					4TTA4	208/3	14.9	18.0	30
AHU-3	VEHICLE BAY	1,560	250	0.5	3/4	45.9	29.9	78.9/64.4	55.2/54.7		10.8	1	70	91.7	TEM4	208/1	57.9	73.0	80
CU-3										14.5					4TTA4	208/3	14.9	18.0	30
AHU-4	TRAINING ROOM	820	200	0.5	1/3	27.2	15.9	80.9/65.4	55.0/54.5		5.8	1	70	92.0	TEM4	208/1	29.7	37.0	40
CU-4										14.5					4TTA4	208/3	10.9	14.0	20
AHU-5	EAST EXAM ROOMS	820	180	0.5	1/3	26.4	15.9	80.4/65.1	55.0/54.5		5.8	1	70	92.0	TEM4	208/1	29.7	37.0	40
CU-5										14.5					4TTA4	208/3	10.9	14.0	20
AHU-6	WEST CLINIC OFFICES	820	120	0.5	1/3	25.3	15.9	79.5/64.7	55.0/54.5		5.8	1	70	92.0	TEM4	208/1	29.7	37.0	40
CU-6										14.8					4TTA4	208/3	10.9	14.0	20
AHU-7	NURSES LAB	1,330	290	0.5	3/4	41.3	25.2	80.4/65.1	55.4/54.9		10.8	1	70	95.4	TEM4	208/1	57.9	73.0	80
CU-7										14.5					4TTA4	208/3	14.8	18.0	30
AHU-8	WEST OFFICES	440	150	0.5000	1/5	16.3	8.6	83.4/66.5	55.0/54.5		2.9	1	70	90.4000	TEM4	208/1	15.0	19.0	20
CU-8										14.0					4TTR4	208/1	8.0	12.0	20

NOTES:

- 1) PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT, RETURN AIR FILTER BANK, AND RETURN AIR SMOKE DETECTOR FOR EACH UNIT.
- 2) PROVIDE SINGLE POINT POWER CONNECTION TO EACH AIR HANDLING UNIT AND CONDENSING UNIT.
- 3) PROVIDE ELETRICAL DISCONNECT FOR EACH AIR HANLDING UNIT AND CONDENSING UNIT.
- 4) REFER TO MANUFACTURER'S REQUIREMENTS FOR LINESET SIZING.
- 5) PROVIDE LOW VOLTAGE WIRING BETWEEN CONDENSING UNIT AND AIR HANDLER. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.

ELECTRICAL NOTES:

- 1) N/A

LOUVERS

DESIG.	SERVES	TYPE	CFM	SP. IN W.G.	MAX VELOCITY (FPM)	DAMPER	NOMINAL DIMENSIONS	MIN. FREE AREA (SQF)	MATERIAL	ACCESSORIES	EQUAL TO GREENHECK MODEL	ELECTRICAL			
												VOLT/ PHASE	FLA	MCA	MOCP
L-1,2	VEHICLE BAY	INTAKE	675	0.2500	340	INTEGRAL GRAVITY	38"WX32"H	3.3800	ALUMINUM	A	GCI-402	N/A	N/A	N/A	N/A
L-3,4	VEHICLE BAY	EXHAUST	675	0.1000	200	INTEGRAL GRAVITY	24"WX24"H	1.5600	ALUMINUM	A	GCE-402	N/A	N/A	N/A	N/A
ACCESSORIES: (PROVIDE AS NOTED)												ELECTRICAL NOTES:			
A= BIRD SCREEN															
MECHANICAL NOTES:															
1) COLOR/FINISH BY ARCHITECT															

FANS

DESIG.	SERVES	CONTROL	CFM	SP. IN W.G.	DRIVE	MOTOR HP	STARTER	ACCESSORIES (SEE BELOW)	EQUAL TO GREENHECK MODEL	ELECTRICAL			
										VOLT/ PHASE	FLA	MCA	MOCP
EF-1	BATHROOM 108	SWITCH	100	0.40	DIRECT	81 W	N/A	A,C,D,G	SP-A290	120/1	0.7	0.9	15
EF-2	BATHROOM 109	SWITCH	100	0.40	DIRECT	81 W	N/A	A,C,D,G	SP-A290	120/1	0.7	1.9	15
EF-3	TOILET 114	SWITCH	70	0.40	DIRECT	80 W	N/A	A,C,D,G	SP-B110	120/1	0.7	2.9	15
EF-4	CUSTODIAL 117	CONTINUOUS	50	0.40	DIRECT	80 W	N/A	A,C,D,G	SP-B110	120/1	0.7	3.9	15
EF-5	STAFF TOILET 124	SWITCH	70	0.40	DIRECT	80 W	N/A	A,C,D,G	SP-B110	120/1	0.7	4.9	15
EF-6	STAFF TOILET 125	SWITCH	70	0.40	DIRECT	80 W	N/A	A,C,D,G	SP-B110	120/1	0.7	5.9	15
EF-7	TOILET 138	SWITCH	70	0.40	DIRECT	80 W	N/A	A,C,D,G	SP-B110	120/1	0.7	6.9	15
EF-8	SOILED STORAGE 134	CONTINUOUS	50	0.40	DIRECT	80 W	N/A	A,C,D,G	SP-B110	120/1	0.7	7.9	15
EF-9	CUSTODIAL 130	CONTINUOUS	50	0.40	DIRECT	80 W	N/A	A,C,D,G	SP-B110	120/1	0.7	8.9	15
EF-10, 11	VEHICLE BAY	CO/NO2 PURGE	675	0.50	DIRECT	1/4	VFD	B,C,G,I	SE1-12-432-A4	120/1	2.4	3.0	15

ACCESSORIES: (PROVIDE AS NOTED)

- | | | |
|--|---------------------|-------------------------|
| (A) - BACKDRAFT DAMPER | (E) - ROOFCURB | (I) - INLET GUARD |
| (B) - BIRDSCREEN | (F) - GREASE TROUGH | (J) - SIDE DISCHARGE |
| (C) - PRE-WIRED NON-FUSED SERVICE DISCONNECT | (G) - SPEED CONTROL | (K) - PERMANENT FILTERS |
| (D) - MANUFACTURER'S INTEGRAL EXHAUST GRILL | (H) - SIDE INLET | (L) - ECM MOTOR |

MECHANICAL NOTES:

- 1) VFD FURNISHED BY DIV 15, INSTALLED BY DIV 16.
- 2) ALL FANS TO HAVE OSHA GUARDS
- 3) FAN CONTROL DESCRIPTION: BMS - BUILDING AUTOMATION SYSTEM, SWITCH - MOTOR RATED SWITCH BY DIV. 16., CONTINUOUS - CONTINOUS OPERATION, T.LINE - LINE VOLTAGE THERMOSTAT BY DIV. 75"
- 4) CO/NO2 PURGE: PROVIDE WALL-MOUNTED SWITCH FOR USER TO TURN FAN ON/OFF MANUALLY. IN MANUAL OPERATION, VFD SHALL OPERATE FAN AT MINIMUM VOLUME (EF-1 = 110 CFM). WHEN CO OR NO2 SENSOR TRIGGERS PURGE, THE FAN CONTROL SHALL OVERRIDE MANUAL OPERATION; THE VFD SHALL MODULATE THE FAN TO FULL VOLUME (AS SCHEDULED) UNTIL THE GAS IS NO LONGER DETECTED.

ELECTRICAL NOTES:

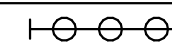
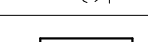
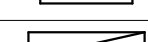
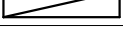
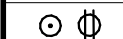
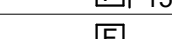
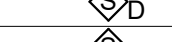
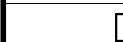
- 1) N/A

GRILLES - REGISTERS - DIFFUSERS

DESIG.	DUTY	TYPE	FRAME TYPE	MATERIAL	FINISH	NECK SIZE (IN)	FACE SIZE (IN)	EQUAL TO
A	SUPPLY	SQUARE PLAQUE	COORD. WITH CLNG.	STEEL	NOTE E	NOTE A	24X24	TITUS OMNI
B	SUPPLY	SQUARE PLAQUE	COORD. WITH CLNG.	STEEL	NOTE E	NOTE A	12X12	TITUS OMNI
C	SUPPLY	LOUVERED	SURFACE	STEEL	NOTE E	24X18	NK + 1.75"	TITUS 300RL
D	RETURN	LOUVERED	SURFACE	STEEL	NOTE E	30X18	NK + 1.75"	TITUS 355RL
E	RETURN	PERFORATED	COORD. WITH CLNG.	STEEL	NOTE E	8" Ø	24X24	TITUS PAR
F	RETURN	PERFORATED	COORD. WITH CLNG.	STEEL	NOTE E	12" Ø	24X24	TITUS PAR
G	RETURN	PERFORATED	COORD. WITH CLNG.	STEEL	NOTE E	6X6	12X12	TITUS PAR
H	RETURN	PERFORATED	COORD. WITH CLNG.	STEEL	NOTE E	10X10	12X12	TITUS PAR

NOTES:

- | | | |
|----|-----------|-----------|
| A) | CFM | NECK SIZE |
| | UP TO 100 | 6" Ø |
| | 105-200 | 8" Ø |
| | 205-375 | 10" Ø |
| | 380-600 | 12" Ø |
| | 605-800 | 14" Ø |
- C) PROVIDE CRD AT CEILING IN RATED ASSEMBLIES
D) PROVIDE MANUAL BALANCING DAMPER FOR EACH SUPPLY AIR DEVICE. PROVIDE CEILING-MOUNTED REMOTE ACTUATOR FOR ALL AIR DEVICES WITH DAMPERS IN CONCEALED AREAS.
E) COORDINATE FINISH WITH ARCHITECT.

ELECTRICAL SYMBOLS					
SYMBOLS		DESCRIPTION	SYMBOLS		DESCRIPTION
FLOOR / CEILING	WALL				
		LIGHT FIXTURE			TRACK LIGHT
		LIGHT FIXTURE			EXISTING DEVICE TO BE REMOVED
		LIGHT FIXTURE ON NIGHT LIGHT or EMERGENCY CIRCUIT			TELEPHONE BACKBOARD
		EXIT LIGHT (SOLID INDICATES FACE)			MAIN SWITCHBOARD OR DISTRIBUTION PANEL
		EMERGENCY BATTERY PACK			PANELBOARD or DISTRIBUTION PANELBOARD
		JUNCTION BOX			TRANSFORMER
		DUPLEX RECEPTACLE	S		SINGLE POLE SWITCH
		DUPLEX RECEPTACLE WITH ISOLATED GROUND	S ₂		TWO POLE SWITCH
		SIMPLEX RECEPTACLE	S ₃		THREE-WAY SWITCH
		SPECIAL RECEPTACLE	S ₄		FOUR-WAY SWITCH
		QUADRAPLEX RECEPTACLE	S _D		DIMMER SWITCH
		COMBINATION TELEPHONE/DATA OUTLET	S _P		PILOT LIGHT SWITCH
		TELEPHONE OUTLET (P-PAY)	S _M		SWITCH WITH THERMAL OVERLOADS
		DATA OUTLET	S _K		KEY OPERATED SWITCH
		TELEVISION OUTLET	S _T		TIMER SWITCH
		MICROPHONE	S _C		MOMENTARY CONTACT SWITCH
		SPEAKER	S _F		FAN SWITCH
		OCCUPANCY SENSOR	S _V		VOLUME CONTROL SWITCH
		RECEPTACLE ABOVE COUNTER & BACKSPLASH	S _{WP}		WEATHERPROOF SWITCH
		QUAD. RECEPT. ABOVE COUNTER & BACKSPLASH	AO		AUTOMATIC AREA OVERRIDE SWITCH
		DUPLEX RECEPTACLE AND DUAL USB PORT	FAAP		FIRE ALARM ANNUNCIATOR PANEL
		ISOLATED GROUND RECEPTACLE	FACP		FIRE ALARM CONTROL PANEL
		FLOOR BOX WITH DUPLEX RECEPT. & TELE/DATA	FD		FIRE ALARM AUDIBLE DEVICE
		MOUNTED KEYPAD	FK ₁₁₀		FIRE ALARM AUDIBLE-VISUAL DEVICE
		SPRINKLER FLOW SWITCH	FD ₁₅		FIRE ALARM VISUAL DEVICE (#-CANDELA)
		SPRINKLER TAMPER SWITCH	FD		FIRE ALARM MANUAL PULL STATION
		FIRE ALARM INTERFACE MODULE	DD		DUCT SMOKE DETECTOR
		VOLUME CONTROL	DD		CEILING SMOKE DETECTOR
		BUZZER	DD		CEILING HEAT DETECTOR
		BELL			FURNITURE/EQUIPMENT CONNECTION
		HORN			HOMERUN TO PANEL
		INTERCOMM			CONDUIT BELOW FLOOR LEVEL
		HVAC TEMPERATURE SENSOR			DISCONNECT SWITCH
		POWER POLE			MOTOR STARTER
		MULTI-OUTLET ASSEMBLY			COMBINATION MTR. STARTER & DISC. SWITCH
		CLOCK RECEPTACLE			ELECTRICAL METER
		GROUND CONNECTION	AC		DEVICE MOUNTED ABOVE COUNTER
		EMERGENCY POWER OFF SWITCH	E		EXISTING TO REMAIN
		PUSHBUTTON (MOMENTARY)	ER		EXISTING TO BE REMOVED
		PUSHBUTTON (START-STOP)	EL		EXISTING TO BE RELOCATED
		PUSHBUTTON (ON/OFF/STOP)	③		SEE NOTE #3
		MOTOR CONNECTION	⚡		ELECTRICAL PHASE
		RECEPTACLE MOUNTED ABOVE COUNTER			INTRUSION SYSTEM DETECTOR
		FIRE RATED POKE THRU POWER AND DATA WHIP			SECURITY SYSTEM DOOR MONITOR
					SECURITY CAMERA
			REF 2/E4		REFER TO DETAIL 2 ON SHEET E4
NOTE: NOT ALL SYMBOLS MAY APPEAR ON DRAWINGS.					

ELECTRICAL ABBREVIATIONS	
A	AMPERES
AF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
APPROX	APPROXIMATE
AWG	AMERICAN WIRE GAUGE
ANN	ANNUNCIATOR
ATS	AUTOMATIC TRANSFER SWITCH
BLDG	BUILDING
BRKR	BREAKER
C	CONDUIT
CATV	CABLE TELEVISION
CKT	CIRCUIT
CONT	CONTINUATION
CB	CIRCUIT BREAKER
COMM	COMMUNICATIONS
CONV	CONVENIENCE
CS	CABLE SUPPORT
CUH	UNIT HEATER (CABINET TYPE)
DIA	DIAMETER
DIM	DIMENSION
DP	DISTRIBUTION PANEL
DWG	DRAWING
EA	EACH
EC	EMPTY CONDUIT
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
EOL	END OF LINE RESISTOR
EQUIP	EQUIPMENT
EUH	ELECTRIC UNIT HEATER
EWI	ELECTRIC WALL HEATER
IB	INDICATES TO PROVIDE DEVICE W/ EMERGENCY BATTERY BACK-UP
EMR	ELEVATOR MACHINE ROOM
EWC	ELECTRIC WATER COOLER
EXP	EXPLOSION PROOF
FM	FLUSH MOUNTED
F	FUSED
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FIN	FINISH
FIX	FIXTURE
FLOUR	FLOURESCENT
GFCI	GROUND FAULT CIRCUIT INTERRUPTING PROTECTION
G	
GRD	GROUND
GRND	
HP	HORSEPOWER
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
HZ	HERTZ
IG	ISOLATED GROUND
INCAN	INCANDESCENT
J	JUNCTION
J-BOX	JUNCTION BOX
KVA	KILO-VOLT-AMPERE
KW	KILOWATT
LGT	LIGHT
MATV	MASTER ANTENNA TELEVISION
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCM	THOUSAND CIRCULAR MILS
MDP	MAIN DISTRIBUTION PANEL
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MPC	MINI POWER CENTER
MTG	MOUNT (ED)(ING)
MCC	MOTOR CONTROL CENTER
MER	MECHANICAL EQUIPMENT ROOM
N	NORTH
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
P	POLE
PH	PHASE
PMS	PROPERTY MANAGEMENT SYSTEM
PNL	PANEL
PVC	POLYVINYL CHLORIDE - CONDUIT
PB	PULL BOX
RSC	RIGID STEEL CONDUIT
SD	SMOKE DETECTOR
SIM	SIMILAR
SPD	SURGE PROTECTION DEVICE
S/S	STAINLESS STEEL
SW	SWITCH
TEL T	TELEPHONE
TFMR	TRANSFORMER
TYP	TYPICAL
TL	DEVICE SHALL BE TWIST LOCK TYPE
TV	TELEVISION
UH	UNIT HEATER
UL	UNDERWRITER LABORATORIES
U.N.O.	UNLESS NOTED OTHERWISE
U.P.S.	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT
VF	VERIFY IN FIELD
VP	VAPOR PROOF
WP	WEATHERPROOF
W	WIRE
WT	WIRING TRENCH

ELECTRICAL NOTES

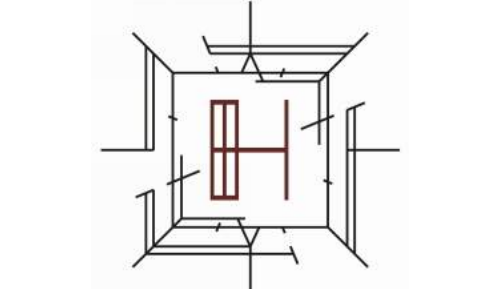
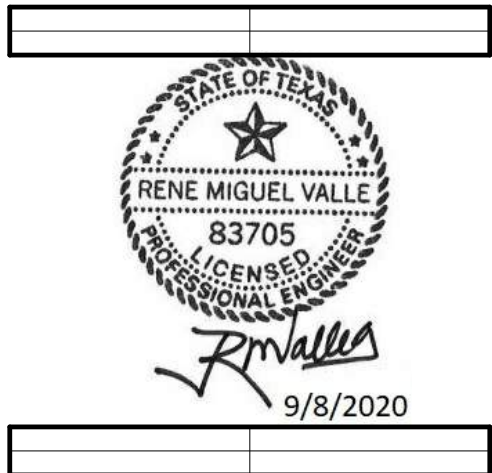
1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE FOLLOWING STANDARDS:
 - A. SETS OF OPERATION AND MAINTENANCE MANUALS.
 - B. LOCAL JURISDICTION.
2. ALL DIMENSIONS AND EXACT EQUIPMENT LOCATIONS ARE TO BE VERIFIED WITH MECHANICAL AND ARCHITECTURAL DRAWINGS AND CONDITIONS IN THE FIELD.
3. ALL WIRE SIZES REFER TO COPPER CONDUCTORS.
4. THE GENERAL CONTRACTOR SHALL PROVIDE ACCESS TO ALL CONCEALED EQUIPMENT.
5. ALL LIGHT FIXTURES SHALL BE INDEPENDENTLY SUPPORTED BY THEIR OWN WEIGHT, CABINET WORK, ALL PARTITION WORK, ETC.
6. ALL ELECTRICAL WIRING CONDUIT SHALL BE CONCEALED UNLESS NOTED OTHERWISE.
7. ALL LIGHT FIXTURES SHALL BE INDEPENDENTLY SUPPORTED BY THEIR OWN WEIGHT, CABINET WORK, ALL PARTITION WORK, ETC.
8. CONTRACTOR TO OBTAIN ALL PERMITS AND PERFORM ALL TEST AS REQUIRED BY CODES AND DOCUMENTS.
9. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND CONSULT WITH MECHANICAL DRAWINGS FOR POWER REQUIREMENTS OF THOSE TRADES.
10. ALL ELECTRICAL EQUIPMENT SHALL BE PER ELECTRICAL SPECIFICATIONS.
11. ALL ELECTRICAL WORK SHALL BE COORDINATED FOR TELEPHONE, DATA & SECURITY SYSTEMS:
 - A. GEM BOX WITH CONDUIT STUB-UP WITH DRAG LINE FOR CONDUIT RUN IN INSULATED WALLS.
 - B. PHONE FOR TELEPHONE/DATA JACKS INSTALLED ON NON-INSULATED WALLS.
 - C. DEVICES, CABLE, WALL PLATES AND SYSTEMS TO BE PROVIDED AND INSTALLED BY OWNERS TELEPHONE, DATA & SECURITY.
12. ALL AIR CONDITIONING PIPING SHALL BE PROTECTED BUT NOT LIMITED TO PIPING, COND. DUCTWORK, ETC. ARE TO BE SEALED WITH AN APPROVED FIRE/SMOKE STOP MATERIAL. PIPING AND CONDUIT PENETRATIONS ARE TO BE FIRST SLEEVED, THEN SEALED.
13. CONTRACTOR SHALL SEAL ALL PENETRATIONS THROUGH PARTITIONS OR SLAB WITH A U.L. APPROVED FIRE/SMOKE STOP TO MAINTAIN THE INTEGRITY OF THE FIRE RATING.
14. CONTRACTOR SHALL SUBMIT AT THE COMPLETION OF THE JOB:
 - A. COMPLETE AS-BUILT DRAWINGS AS SPECIFIED.
 - B. COMPLETE AS-BUILT DRAWINGS AS SPECIFIED.
15. ALL CABLES RUN IN THE CEILING MUST BE RATED FOR SUCH USE AND IN ACCORDANCE WITH CODES.
16. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR, MATERIALS, SUPERVISION, SUPPLIES AND REQUIREMENTS, REQUIRED OR OBVIOUSLY NECESSARY FOR THE COMPLETE READY FOR OCCUPANCY OF THE PROJECTS AND EQUIPMENT, AND ASSOCIATED ITEMS INCLUDED ON THE PLANS AND SPECIFICATIONS.
17. THE WORK SHALL BE COORDINATED WITH ALL OTHER TRADES AND PROVIDE OTHERS WITH ACCESS TO THE WORK AREA.
18. THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH SPECIFICATIONS.
19. ANY WORK INSTALLED CONTRARY TO, OR WITHOUT APPROVAL BY THE ENGINEER SHALL BE SUBJECT TO CHANGE AS DIRECTED BY THE ENGINEER AND NO EXTRA COMPENSATION WILL BE ALLOWED FOR THE CONTRACTOR MAKING THESE CHANGES.
20. CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY ONLY AND SHALL BE INSTALLED IN A MANNER SUBJECT TO CHANGE AS DIRECTED BY THE ENGINEER AND NO EXTRA COMPENSATION WILL BE ALLOWED FOR THE CONTRACTOR MAKING THESE CHANGES.
21. THE WIRING DIAGRAMS, QUANTITY AND SIZE OF WIRES AND CONDUIT REPRESENTS A SUGGESTED ARRANGEMENT BASED UPON SELECTED STANDARD COMPONENTS OF AVAILABLE EQUIPMENT. MODIFICATION TO THIS LIST MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL SHALL BE MAINTAINED AS INDICATED ON THE WIRING DIAGRAMS. CONTRACTOR MUST SUBMIT PLANS FOR APPROVAL PRIOR TO INSTALLATION.
22. ALL CONDUITS AND EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL REGULATIONS OF THE N.E.P.A. AND LOCAL AND STATE CODES GOVERNING SUCH INSTALLATION AND SHALL BE U.L. LISTED.
23. CONTRACTOR TO VERIFY CLEAF FINISH CONSTRUCTION WITH FINAL ARCHITECTURAL DRAWINGS PRIOR TO ORDERING FIXTURES AND ORDER FIXTURES WITH PROPER MOUNTING ARRANGEMENTS TO BE COMPATIBLE WITH TYPE OF CEILING WHICH FIGURE IS TO BE MOUNTED.
24. ALL BRANCH CIRCS TO BE INSTALLED 20A MINIMUM WITH #12 WIRE U.N.O.
25. ALL CONDUITS SHALL BE TERMINATED WITH FLEXIBLE CONNECTIONS SO AS TO PERMIT NEAT CONNECTIONS TO MOTORS AND OTHER EQUIPMENT THAT VIBRATE.
26. ALL WIRING SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, MOUNTED WITH A 1/4" AIR SPACE BETWEEN ENCLOSURE AND WALL, THE DISTANCE FROM TOP CIRCUIT BREAKER HANDLE TO FLOOR SHALL NOT EXCEED 6'-6" UNLESS OTHERWISE NOTED.
27. ALL JUNCTION BOXES INDICATED AND/OR REQUIRED SHALL BE SIZED TO ACCOMMODATE INCOMING AND OUTGOING FEEDERS.
28. ALL WIRING OR FIRE ALARM SYSTEM SHALL BE INSTALLED IN 3/4". UNLESS NOTED OTHERWISE.
29. CONTRACTOR SHALL COORDINATE/VERIFY ALL ROOM NUMBERS AND NAMES WITH ARCHITECTURAL DRAWINGS.
30. CONTRACTOR SHALL CONFIRM ALL RECEPTACLE AND SWITCH HEIGHTS WITH ARCHITECTURAL DRAWINGS.
31. ALL WIRING OR LIGHTING UNIT, SMOKE DETECTION SHALL BE APPROVED BY FIRE MARSHALL ADJUSTED AND ADDED AS REQUIRED.
32. CONTRACTOR SHALL UTILIZE EMT WITH SET SCREW IN LIEU OF RIGID PIPING.
33. USE OF TAPABLE IS ACCEPTABLE IN ALL AREAS EXCEPT WHERE PROHIBITED BY NEC OR THE A.H.J.

IMPORTANT NOTES FOR CONTRACTOR

1. "CONSTRUCTION DOCUMENTS" ARE DEFINED AS ALL DRAWINGS AND SPECIFICATIONS TOGETHER. CONTRACTOR SHALL FULLY EXAMINE AND BECOME FAMILIAR WITH THE CONSTRUCTION DOCUMENTS IN THEIR ENTIRETY. ANY DISCREPANCY OR UNCLEAR INFORMATION FOUND IN THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND ARCHITECT PRIOR TO PERFORMING ANY WORK INVOLVING ANY CONFLICTING INFORMATION. ALL COSTS SUBMITTED SHALL BE BASED ON THE CURRENT KNOWLEDGE OF ALL PRODUCTS, MATERIALS, AND LABOR REQUIRED FOR COMPLETE, COORDINATED, PROPERLY INSTALLED, AND FUNCTIONING SYSTEMS. ANY ADDITIONAL COSTS DUE TO FAILURE TO COMPLY WITH THIS REQUIREMENT ARE THE RESPONSIBILITY OF THE CONTRACTOR.
2. DRAWINGS ARE DIAGRAMATIC AND SHOW ONLY GENERAL ARRANGEMENT OF WORK. ALL NOT ALL TRANSITIONS, OFFSETS, SLOPES, ETC. ARE SHOWN THAT MAY BE REQUIRED FOR PROPER INSTALLATION. DRAWINGS DO NOT SHOW DIMENSIONS FOR LOCATING ANY WORK AND SHALL NOT BE SCALED FOR BIDDING, ORDERING, INSTALLATION, OR ANY OTHER PURPOSE.
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REQUIREMENTS OF HIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, POWER REQUIREMENTS, LOCATIONS OF EQUIPMENT, AIR DEVICES, DUCTWORK, AND PIPING, PROPER SERVICE AND CODE-REQUIRED WORKING CLEARANCES, CONTROLS REQUIREMENTS, ETC.
4. SUBMITTAL REVIEW: SUBMITTALS ARE REVIEWED BY THE ENGINEER ONLY FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS, MEANS AND METHODS OF CONSTRUCTION, AND COMPLIANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR IS FULLY RESPONSIBLE FOR ALL SUBMITTALS PROVIDED TO THE ENGINEER BY HIMSELF, OR INDIRECTLY BY HIS VENDORS OR SUB-CONTRACTORS. SUBMITTALS PROVIDED BY VENDORS OR SUB-CONTRACTORS SHALL BE THOROUGHLY REVIEWED BY THE SUBMITTING CONTRACTOR FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS AND COORDINATION WITH ALL OTHER TRADES PRIOR TO SUBMITTAL TO THE ENGINEER.
5. IN THE EVENT THERE ARE ANY ISSUES RELATED TO QUALITY OF MATERIALS AND/OR OPERATIONS OF ANY MECHANICAL, ELECTRICAL, OR PLUMBING EQUIPMENT, THE OWNER SHALL PUT INTO FORCE ANY ARTICLES OF THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR RELATED TO ITEMS STATED ABOVE.
6. IN THE EVENT ANY ITEMS ARE DEEMED TO BE POOR QUALITY, NOT IN WORKING ORDER, OR DEFICIENT DESIGN, THE CONTRACTOR SHALL HAVE THE RIGHT TO ENFORCE ANY AND ALL WARRANTY LANGUAGE AS STATED BETWEEN THEIR (OWNER AND CONTRACTOR) AGREEMENT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL NECESSARY MATERIALS AND LABOR WHENEVER SHOWN ON THE DRAWINGS OR NOT. THE OWNER MAINTAINS ALL RIGHTS FIRST REFUSED TO THE CONTRACTOR TO PROVIDE ANY MATERIALS REQUIRED FOR THE COMPLETION OF THIS CONSTRUCTION PROJECT.
8. THE ARCHITECT AND ENGINEER SHALL BE HELD HARMLESS FOR ANY INSTALLATIONS NOT PREVIOUSLY REVIEWED OR DESIGNED.

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405 W. Chapman Drive 6513 Windcrest Drive, Suite 150
Longer, Texas 76266 Plano, Texas 75024
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CLIENT: PPC EMERGENCY SERVICES DISTRICT NO.1



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[illegible]

HA PROJECT NUMBER
01921-00-00

DATE
09/08/2020

ISSUE

**CONSTRUCTION
DOCUMENTS**

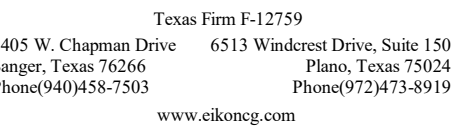
SHEET TITLE
**ELECTRICAL
SYMBOLS &
ABBREVIATIONS**

SHEET NO.

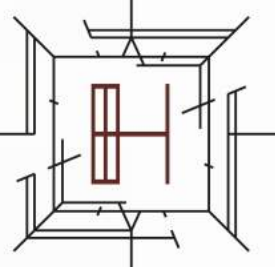
E0.1

1. FOR SYMBOL AND ABBREVIATIONS SEE SHEET E-0.1
2. FOR PANEL BOARD SCHEDULES, SEE SHEET E-0.1
3. FOR ELECTRICAL ONE LINE DIAGRAM, SEE SHEET E-0.2
4. COORDINATE UTILITY CONDUIT LOCATIONS AND CONNECTION REQUIREMENTS WITH
LOCAL UTILITY COMPANIES PRIOR TO BIDDING AND ROUGH-IN.
5. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS
AND INCLUDE ALL RELATED WORK IN HIS BID.
6. FIRST PART OF WORK SHALL INCLUDE CONDUIT LOCATIONS, PULL BOX
LOCATIONS, AND CONNECTION REQUIREMENTS WITH CIVIL PLANS AND LOCAL UTILITY
7. PROVIDE LOCATOR WIRE AND WARNING TAPE FOR ALL UNDERGROUND CONDUIT AND
FEEDER.
8. ALL EMPTY CONDUIT SHOWN ON THE SITE PLAN TO BE PROVIDED WITH PULL WIRE
UNLESS NOTED OTHERWISE. COORDINATE ROUGH IN REQUIREMENTS AND LOCATION
FOR ALL VOLTAGE SYSTEMS WITH OWNER AND RESPECTIVE LOW VOLTAGE
CONTRACTOR/SUPPLIER.

1. PROPOSED ROUTE FROM UTILITY TRANSFORMER TO MAIN SERVICE DISCONNECT. REFER TO ELECTRICAL SHEET E6.2 FOR MORE INFORMATION. COORDINATE WITH LOCAL UTILITY AND CIVIL CONTRACTOR FOR EXACT LOCATION PRIOR TO EXCAVATION. REFER TO CIVIL DRAWINGS FOR MORE INFORMATION.
2. EXTERIOR LIGHTING FIXTURE CIRCUIT SHALL BE ROUTED THROUGH LIGHTING CONTROL PANEL "LCP-C" FOR 'ON' AND 'OFF' CONTROL WITH PHOTOCELL AND TIME CLOCK. REFER TO ELECTRICAL RISER DIAGRAM ON SHEET E6.2.
3. POWER PEDESTAL. PROVIDE ALL NECESSARY HARDWARE FOR ITS MOUNTING-CONCRETE BASE, ELBOW TRANSITION, ETC. VERIFY EXISTING FLOODING CONDITIONS FOR ITS MOUNTING AND NOTIFY OWNER OF ANY DISCREPANCIES.



9/8/2021



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REVISION		
NO.	DESCRIPTION	DATE

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01921-00-00

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09/08/2020

CONSTRUCTION

CONSTRUCTION DOCUMENTS

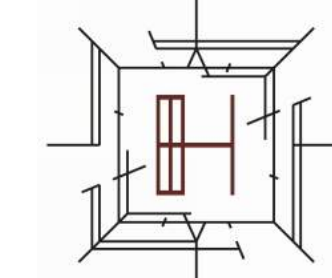
SITE PLAN -

ELECTRICAL

SHEET NO. _____

E1.1

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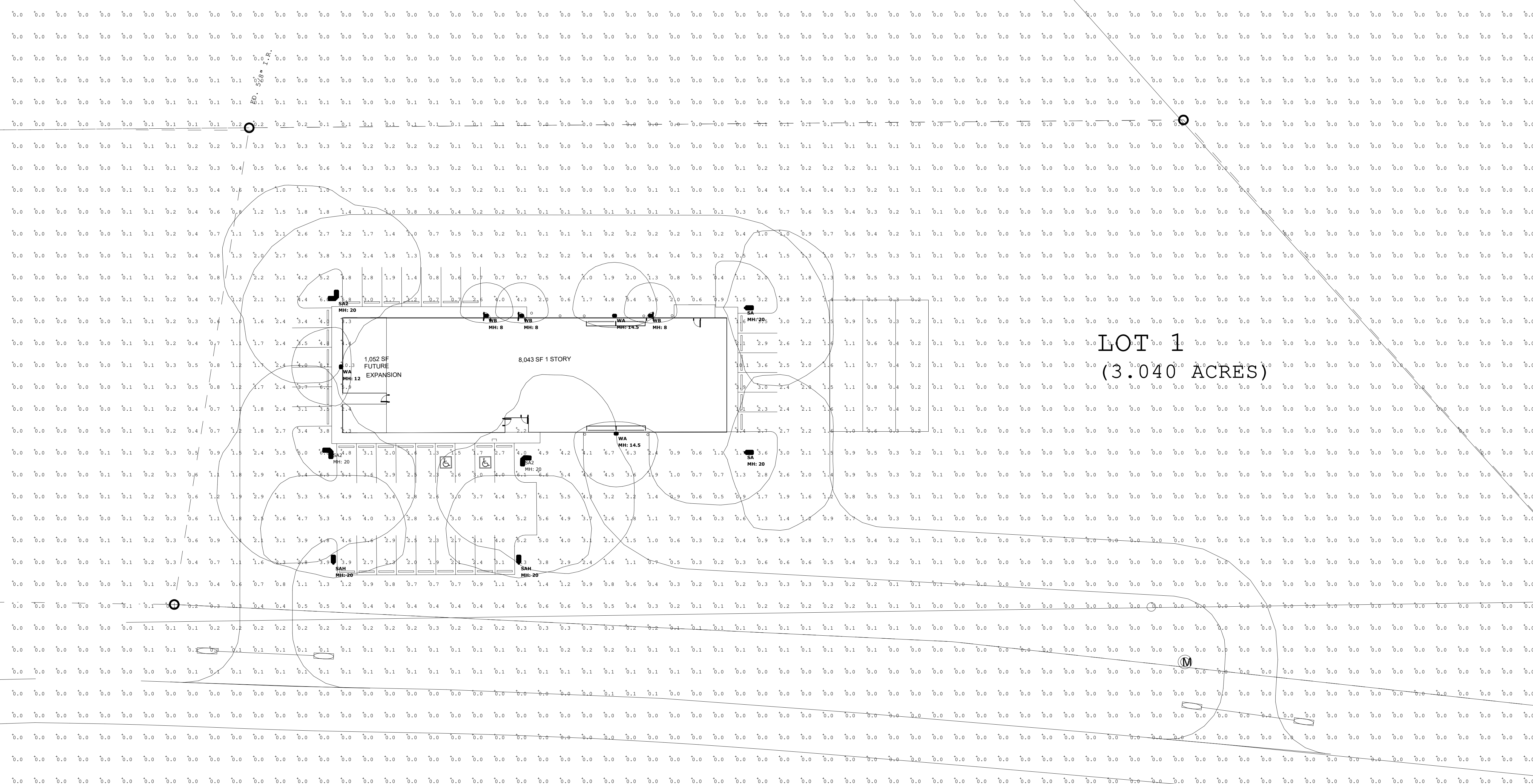
DATE
09/08/2020

ISSUE
**CONSTRUCTION
DOCUMENTS**

SHEET TITLE
**SITE PLAN -
PHOTOMETRICS**

SHEET NO.

E1.2



F.M. HIGHWAY NO. 2353 (100' R.O.W.)

Calculation Summary						
Calculation Grid Location	Calc. Height (Ft.)	Units	Avg	Max	Min	Avg/Min
PARKING LOT & DRIVE WAY		Fc	2.21	8.1	0.1	22.10

1 SITE PLAN - PHOTOMETRIC
E1.2 SCALE: N.T.S.

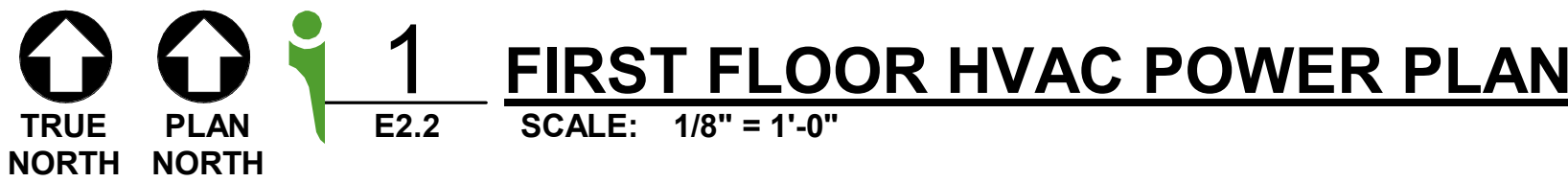
1. FOR SYMBOLS AND ABBREVIATIONS SEE SHEET 00-1.
2. FOR PANEL BOARD SCHEDULES SEE SHEET 56-1.
3. FOR ELECTRICAL Riser DIAGRAM SEE SHEET 68-2.
4. ALL RECEPTACLES WITH A SOLID HATCH INSIDE SHALL BE INSTALLED ABOVE A PROTECTIVE WORK SURFACE. RECEPTACLES WITH A WHITE HATCH SHALL BE VERIFIED AND COORDINATED WITH ARCHITECTURAL DETAILS AND ELEVATIONS.
5. ALL RECEPTACLES WITHIN 6" OF THE SINK OR LAVATORY SHALL BE GROUND FAULT CIRCUIT INTERRUPTER (GFCI) PROTECTED. RECEPTACLES WITHIN 6" OF THE SINK OR LAVATORY SHALL BE GFCI RECEPTACLES ON THE SAME CIRCUIT IS PROHIBITED. EACH RECEPTACLE LABELED "GFCI" SHALL HAVE ITS OWN CIRCUIT.
6. UNLESS OTHERWISE NOTED, ALL RECEPTACLES, TELEPHONE, DATA AND SIGNAL OUTLETS SHALL BE INSTALLED AT NO LESS THAN 18" AFF. TO ACCOMMODATE THE MOUNTING HEIGHT OF THE REQUIRED EQUIPMENT.
7. THE MOUNTING HEIGHT OF TELEPHONE, DATA AND SIGNAL OUTLETS ABOVE COUNTER OR WORK SURFACES OR WITHIN MILLWORK SHALL BE VERIFIED AND COORDINATED WITH ARCHITECTURAL DETAILS AND ELEVATIONS.
8. ALL TELEPHONE, DATA, OUTLET DEVICES, AND SECURITY (UNLESS NOTED OTHERWISE) SHALL BE INSTALLED AN EIGHT (8) INCHES ABOVE THE FINISHED FLOOR FINISH. ALL CONDUIT RISER WITH NYLON BUSHINGS ON EACH END AND PULL STRING CONCEAL WITHIN WALL CAVITY AND TURN OUT OF WALL RIGHT WITH THE EXPOSED ROOF LINE. ALL CONDUIT TO MAINTAIN AN EIGHT (8) INCHES ABOVE THE FINISHED FLOOR FINISH ONE EXISTS.
9. COORDINATE WITH RUMM IN REQUIREMENTS AND LOCATIONS FOR ALL LOW VOLTAGE SYSTEMS WITH OWNER AND RESPECTIVE LOW VOLTAGE CONTRACTORS/SUPPLIERS. UNLESS OTHERWISE NOTED, RECEPTACLES WHICH ARE LOCATED ADJACENT TO DATA OUTLETS SHALL BE INSTALLED AT MARKING MOUNTING HEIGHTS AND WITHIN 6" OF EACH OTHER.
10. ALL PENETRATIONS THROUGH A FIRE RATED WALL SHALL BE PACKED WITH UL LISTED FIRE RESISTANT MATERIAL.
11. VERIFY EXACT LOCATION OF MECHANICAL EQUIPMENT WITH HVAC AND PLUMBING CONTRACTORS. COORDINATE ALL MECHANICAL EQUIPMENT LOCATION WITH HVAC AND PLUMBING CONTRACTORS IN THE FIELD PRIOR TO ROUGH-IN.

- 1 FOR ALL DATA/PHONE OUTLET, PROVIDE A 1" EMPTY CONDUIT WITH PULL WIRE ABOVE ACCESSIBLE CEILING. COORDINATE WITH COMMUNICATION TECHNOLOGY CONTRACTOR.
- 2 PROVIDE POWER AND DATA AT 5'-6" AFF. COORDINATE MOUNTING HEIGHT WITH OWNER REPRESENTATIVE. PROVIDE A 1" EMPTY CONDUIT ABOVE ACCESSIBLE CEILING FOR TV.
- 3 PROVIDE J-BOX FOR SECURITY CAMERA. COORDINATE FINAL LOCATION WITH OWNER REPRESENTATIVE.
- 4 PROVIDE CEILING MOUNTED JUNCTION BOX FOR OVERHEAD PROJECTOR AND PULL WIRE DATA. VERIFY EXACT LOCATION WITH ARCHITECT. PROVIDE HDMI JACK CONNECTION AT INDICATED LOCATION TO SERVICE PROJECTOR. COORDINATE NUPT LOCATION WITH OWNER REPRESENTATIVE.
- 5 FOR SECURITY CAMERA, PROVIDE A 1" EMPTY CONDUIT WITH PULL WIRE. ROUTE CONDUIT TO THE NEAREST WALL TO GAIN ACCESS ABOVE CEILING.
- 6 PROVIDE DATA FOR WIRELESS ACCESS POINTS. PROVIDE A PUBLIC AND PRIVATE ACCESS POINT AT INDICATED LOCATION. COORDINATE ELECTRICAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER. COORDINATE DATA REQUIREMENTS WITH COMMUNICATIONS CONTRACTOR. MOUNT TO STRUCTURE ALONG CEILING. COORDINATE FINAL LOCATION WITH OWNER REPRESENTATIVE.
- 7 FOR LASER EQUIPMENT, COORDINATE MOUNTING HEIGHT AND NEMA CONFIGURATION OR RECEPTACLE WITH OWNER REPRESENTATIVE AND SUPPLIER PRIOR TO ROUGH-IN.
- 8 FOR TRASH DISPOSAL, COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
- 9 FOR RECEPTACLE ELECTRIC CORD REEL, WALL WITH DUPLEX RECEPTACLE AND WITH SLIDING CAPACITY. COORDINATE LOCATION AND MOUNTING HEIGHT WITH OWNER REPRESENTATIVE.
- 10 PROVIDE TAMPER PROOF RECEPTABLES IN ALL EXAM ROOMS, PROCEDURE ROOMS, AND CORRIDORS AND VEHICLE BAY AREA.
- 11 MAIN SERVICE DISCONNECT. COORDINATE LOCATION WITH OWNER REPRESENTATIVE. REFER TO ELECTRICAL RISER DIAGRAM FOR MORE INFORMATION.
- 12 FOR SONOGRAM EQUIPMENT, COORDINATE FINAL LOCATION AND RECEPTACLE CONFIGURATION WITH OWNER REPRESENTATIVE AND EQUIPMENT SUPPLIER.
- 13 FOR ELECTRICAL ACCESS DOOR FROM RECEPTION AREA, PROVIDE A PUSH BUTTON FOR CONTROL. COORDINATE FINAL LOCATION AND ROUTING WITH OWNER REPRESENTATIVE.
- 14 FOR MOTORIZED AMBULANCE DOOR, COORDINATE FINAL LOCATION WITH OWNER REPRESENTATIVE. PROVIDE A PUSH BUTTON EQUAL TO SQUARE D TYPE KY OR EQUAL APPROVED.

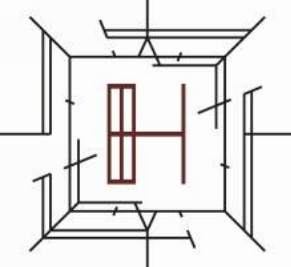


1. FOR SYMBOL AND ABBREVIATIONS SEE SHEET E01.1.
2. FOR PANEL BOARD SCHEDULES, SEE SHEET E06.1.
3. FOR ELECTRICAL RIBBON, SEE SHEET E07.1.
4. ALL RECEPTACLES WITHIN 6'-0" OF THE SINK OR LAVATORY SHALL BE GROUND FULT
5. TYPE OF GROUNDING SHALL BE GFCI. THE GFCI SHALL BE INSTALLED IN THE
6. RECEPTACLES ON THE SAME CIRCUIT IS PROHIBITED. EACH RECEPTACLE LABELED
7. GFCI MUST HAVE ITS OWN TRIP MECHANISM AND RESET BUTTON.
8. SWITCHES SHALL BE INSTALLED IN THE FIELD. ALL DATA AND SIGNAL
9. OUTLETS SHALL BE INSTALLED AT NO LESS THAN 18" AFF. TO ACCOMMODATE THE
10. LATEST A/F.4. REQUIREMENTS.
11. ALL WIRING SHALL BE IN A FIRE RATED WALL SHALL BE PACKED WITH UL LISTED
12. FIRESTOP MATERIAL.
13. VERIFY EXACT LOCATION OF MECHANICAL EQUIPMENT WITH HVAC AND PLUMBING
14. DRAWINGS. COORDINATE WITH MECHANICAL EQUIPMENT FINAL LOCATION WITH HVAC
15. AND PLUMBING CONTRACTORS IN THE FIELD PRIOR TO ROUGH-IN.

- 1 THE EF-8 AND EF-9 IS TO BE 24 HOURS-ON. COORDINATE ALL REQUIREMENT WITH MECHANICAL CONTRACTOR. EXHAUST FANS ARE BEING PROVIDED WITH ITS OWN 120V-SINGLE PHASE DISCONNECT SWITCH. REFER MECHANICAL SCHEDULE.
- 2 EXHAUST FAN IN THIS TOILET ROOM IS TO BE CONNECTED TO THE LIGHTING CIRCUIT AND LIGHTING CONTRACTOR SERVING THIS ROOM. EXHAUST FAN IS BEING PROVIDED WITH ITS OWN 120V-SINGLE PHASE DISCONNECT SWITCH.
- 3 EXHAUST FAN EF-10 IS TO BE 24 HOURS-ON. COORDINATE ALL REQUIREMENTS WITH MECHANICAL CONTRACTOR. EXHAUST FAN IS BEING PROVIDED WITH ITS OWN 120V SINGLE PHASE DISCONNECT SWITCH.
- 4 COORDINATE WITH MECHANICAL CONTRACTOR THE CONTROL OF THE EF-10 AND EF-11, AND PROVIDE ALL NEEDED HARDWARE. EACH EXHAUST FAN IS BEING PROVIDED WITH ITS OWN SINGLE PHASE DISCONNECT SWITCH.
- 5 REFER MECHANICAL SHEET M21 FOR LOCATION OF THE MECHANICAL AHUS ON THE ADDITIONAL ELECTRICAL UTILITY LOCATED ON THE CEILING, AND COORDINATE FINAL LOCATION WITH MECHANICAL CONTRACTOR.
- 6 FOR ELECTRICAL WATER EWH-2 COORDINATE FINAL LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR.
- 7 FOR HOT WATER RE-CIRCULATING HOT WATER, COORDINATE FINAL LOCATION WITH PLUMBING CONTRACTOR.
- 8 FOR ELECTRICAL WATER EWH-4 LOCATED ABOVE THE CEILING, PROVIDE ALL NECESSARY HARDWARE TO INSTALL THE DISCONNECT AND ALSO SHALL BE ON SIGN OFF FOR ELECTRICAL WORK. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR.



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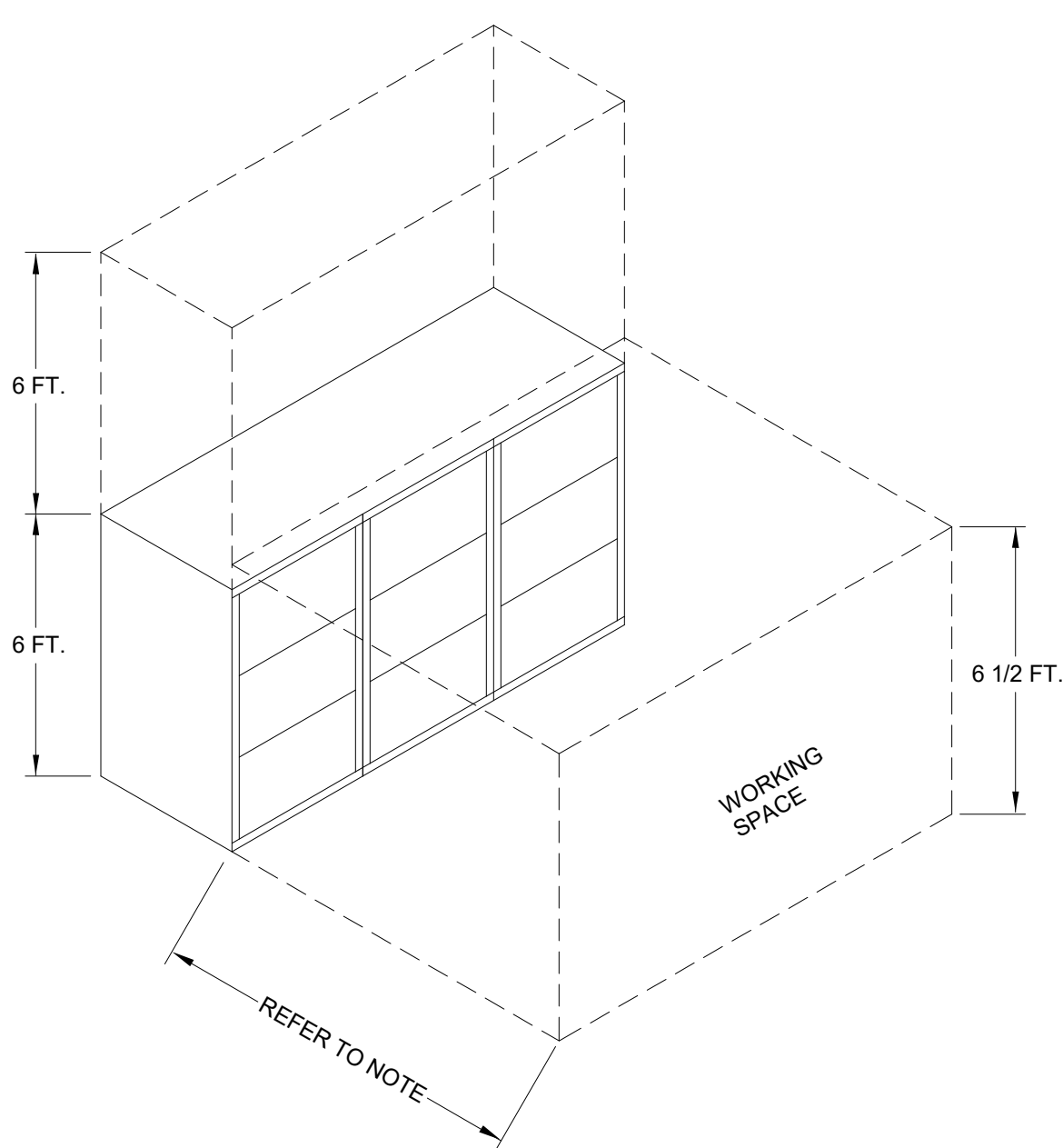


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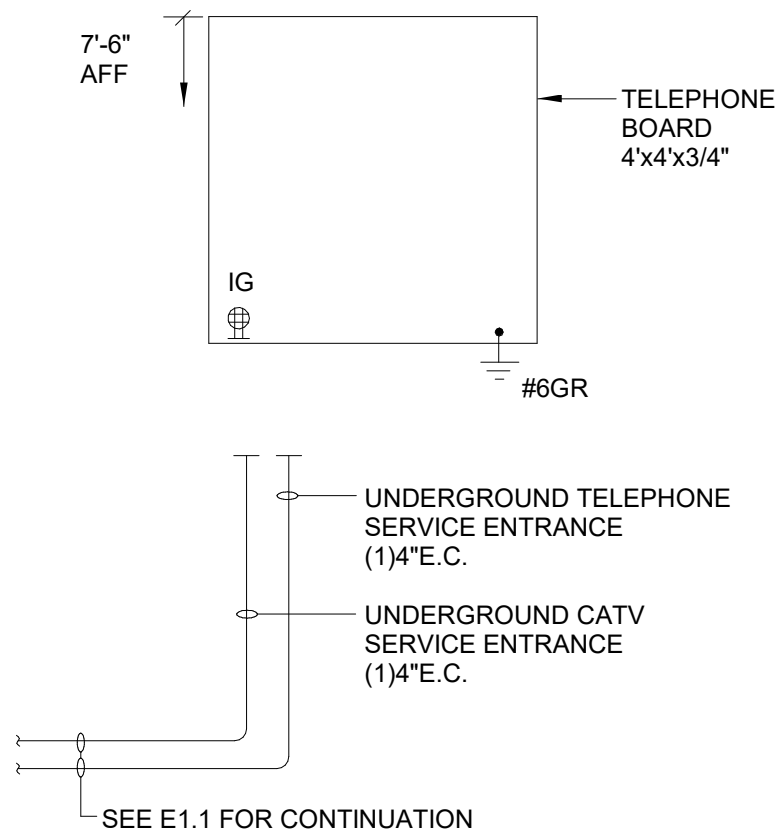
STRUCTURAL:
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NOMINAL VOLTAGE	MINIMAL CLEAR DISTANCE		
	CONDITION 1	CONDITION 2	CONDITION 3
0 - 150	900 mm (3 FT)	900 mm (3 FT)	900 mm (3 FT)
151 - 600	900 mm (3 FT)	1 mm (3 1/2 FT.)	900 mm (3 FT)
			1.2 m (4 FT.)

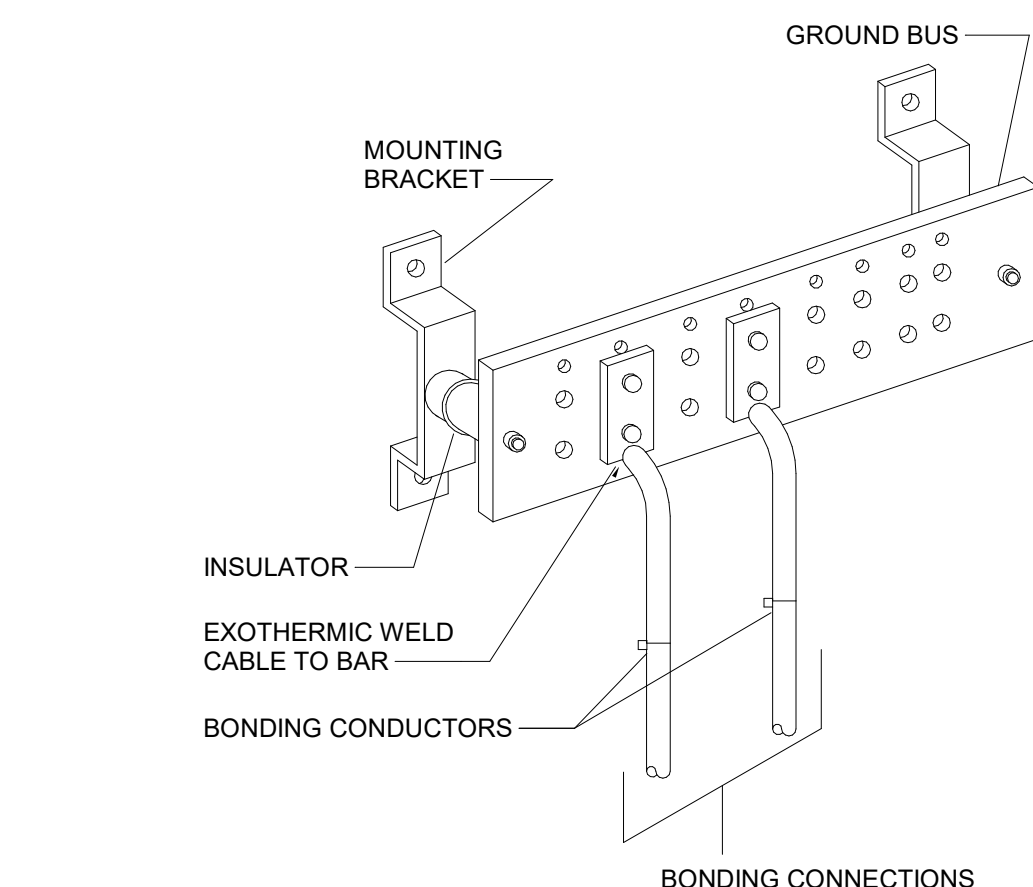
NOTE: WHERE THE CONDITIONS ARE AS FOLLOWS:

CONDITION 1 - EXPOSED LIVE PARTS ON ONE SIDE AND NO LIVE GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES EFFECTIVELY GAURDED BY SUITABLE WOOD OR OTHER INSULATING MATERIALS. INSULATED WIRE OR BUSBARS OPERATING AT NOT OVER 300 VOLTS TO GROUND SHALL NOT BE CONSIDERED LIVE PARTS.
CONDITION 2 - EXPOSED LIVE PARTS ON ONE SIDE AND GROUNDED PARTS ON THE OTHER SIDE. CONCRETE, BRICK, OR TILE WALLS SHALL BE CONSIDERED AS GROUNDED.
CONDITION 3 - EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE (NOT GROUNDED AS PROVIDED IN CONDITION 1) WITH THE OPERATOR BETWEEN.

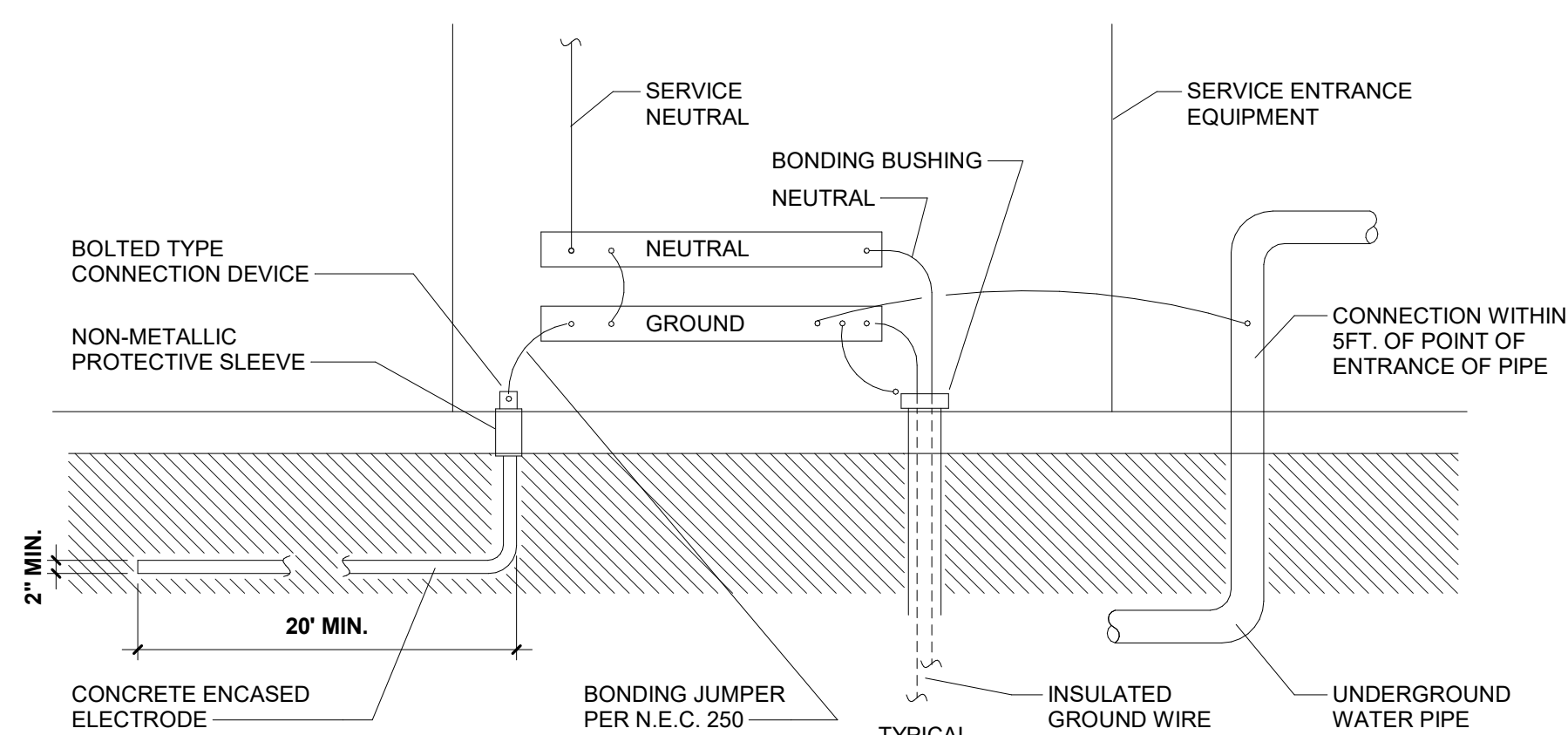


5 PANEL WORK SPACE DETAIL
E5.1 SCALE: N.T.S.

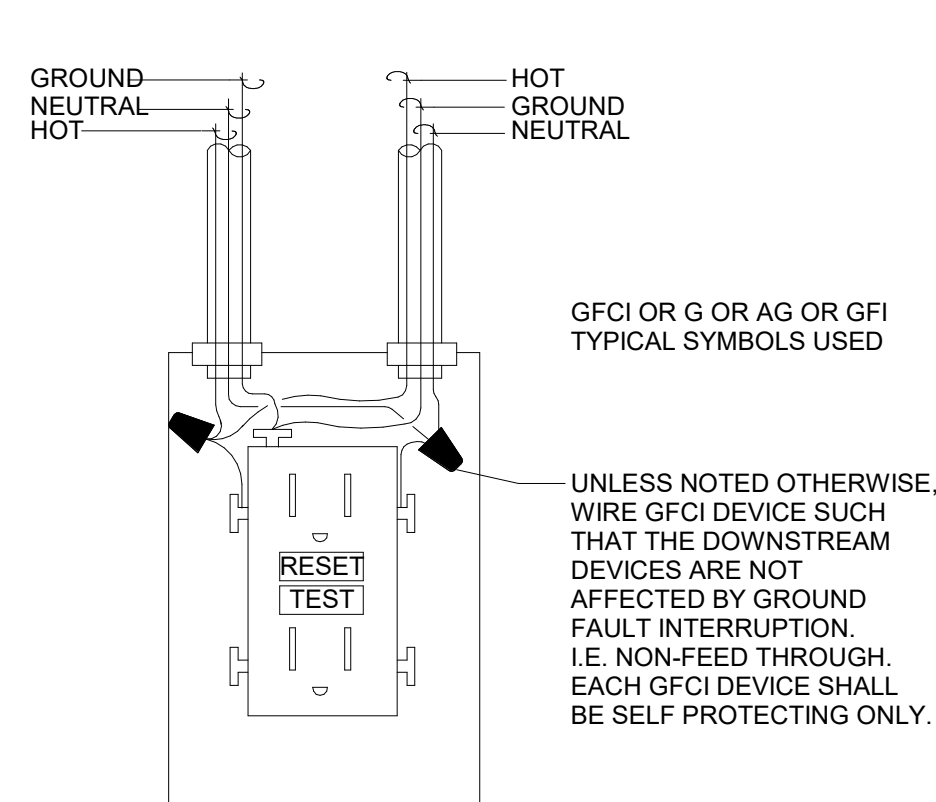
4 TELEPHONE RISER DIAGRAM
E5.1 SCALE: N.T.S.



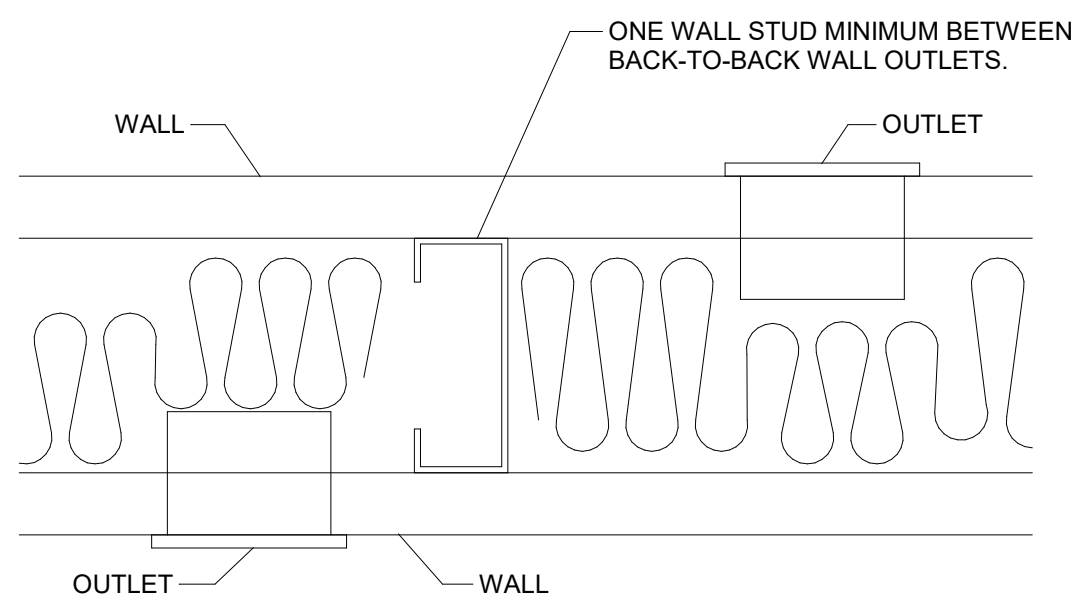
3 GROUND BUS DETAIL
E5.1 SCALE: N.T.S.



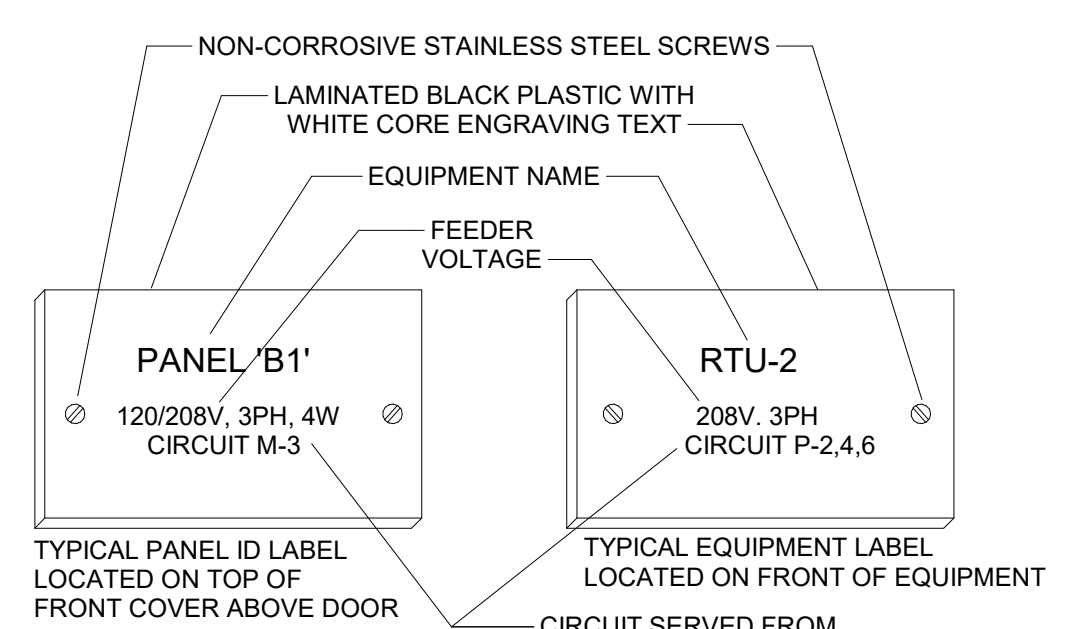
7 GROUNDING DETAIL
E5.1 SCALE: N.T.S.



2 GFCI RECEPTACLE DETAIL
E5.1 SCALE: N.T.S.



6 WALL RISER DIAGRAM
E5.1 SCALE: N.T.S.



NOTES:
1. REFER TO SPECIFICATIONS SECTION 16075 FOR REQUIREMENTS
2. LOCATE SERIES RATING LABEL ON PANEL BREAKER COVERPLATE PER N.E.C. 110.22 SIMILAR TO ABOVE
3. LOCATE A WIRE COLOR LABEL ON THE BOTTOM OF PANEL FRONT COVER BELOW DOOR PER N.E.C. 215.12 SIMILAR TO ABOVE. SEE SPECIFICATIONS SECTION 16123.2.04.B FOR COLORS.

1 EQUIPMENT LABEL DETAIL
E5.1 SCALE: N.T.S.

REVISION NO.	DESCRIPTION	DATE

HA PROJECT NUMBER
01921-00-00

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CONSTRUCTION DOCUMENTS
SHEET TITLE
ELECTRICAL DETAILS

SHEET NO.

E5.1

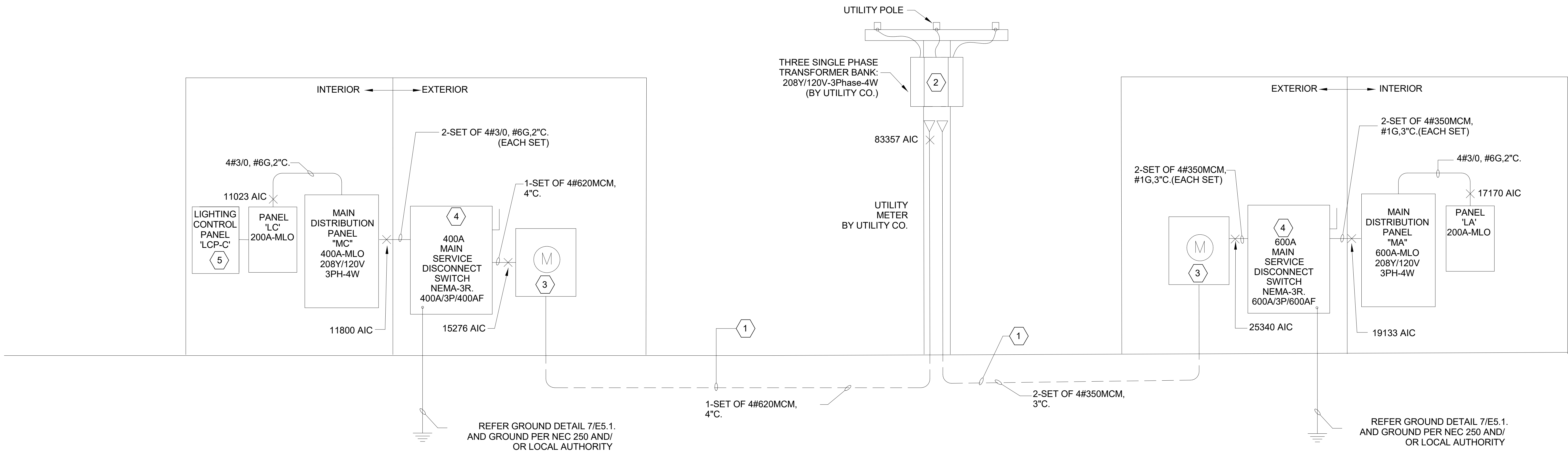
PLOT DATE: 8/2/2020 11:09:59 AM
TEMPLATE VERSION: 1

PANEL: MA													
Location: SUPPLY 111				Volts: 120/208 Wye				A.I.C. Rating: 42000					
Supply From: MA				Phases: 3				Main Type: MCB					
Mounting: Surface				Wires: 4				Mains Rating: 600 A					
Enclosure: Type 1				MCB Rating: 600 A									
CKT	Circuit Description			Poles	Rating	A	B	C	Rating	Poles	Circuit Description		CKT
MA-1	CU-1-3#8,#10G,3/4"C	3		2015	6022				100 A	2	AHU-2-2#3,#8G,1-1/4"C	MA-2	
MA-3			35 A				2015	6022				MA-4	
MA-5				1787	6022			2015	6022	2	AHU-3-2#3,#8G,1-1/4"C	MA-6	
MA-7	CU-2-3#10,#10G,3/4"C	3				1787	3089		100 A			MA-8	
MA-9			30 A					1787	3089	40 A	2	AHU-3-2 2#8,#10G,3/4"C	MA-10
MA-11												MA-12	
MA-13	CU-3-3#10,#10G,3/4"C	3		1787	1560		1787	1560		20 A		MA-14	
MA-15			30 A					1787	3334		3	ELECTRICAL WATER HEATER #1-3#8,#10G,3/4"C	MA-16
MA-17												MA-18	
MA-19	CU-4 3#12,#12G,3/4"C	3		1308	3334		1308	3334		35 A		MA-20	
MA-21			20 A					1308	4160		2	Pedestal 3#6,#10G,1"C	MA-22
MA-23												MA-24	
MA-25	CU-8 -2#12,#12G,3/4"C	2		832	4160		832	4160		50 A	2	Pedestal 3#6,#10G,1"C	MA-26
MA-27												MA-28	
MA-29	AHU-1-2#3,#8G,1-1/4"C	2						6022	4160	50 A	2	Pedestal 3#6,#10G,1"C	MA-30
MA-31			100 A	6022	4160						2	Pedestal 3#6,#10G,1"C	MA-32
MA-33	SPARE	1	20 A			0	4160			50 A		MA-34	
MA-35	SPARE	1	20 A					0	0	20 A	1	SPARE	MA-36
MA-37	SPARE	1	20 A	0	0					20 A	1	SPARE	MA-38
MA-39	SPARE	1	20 A			0	0			20 A	1	SPARE	MA-40
MA-41	SPARE	1	20 A					0	0	20 A	1	SPARE	MA-42
MA-43	SPARE	1	20 A	0	0					20 A	1	SPARE	MA-44
MA-45	SPARE	1	20 A				0	0		20 A	1	SPARE	MA-46
MA-47	SPD	3						0	5539	3	LA	MA-48	
MA-49				0	5682							MA-50	
MA-51			30 A			0	3355			200 A		MA-52	
Total Load:				44691 VA		33408 VA		39221 VA					
Total Amps:				380 A		278 A		334 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals					
Cooling		0 VA		0.00%		0 VA							
HVAC		20953 VA		100.00%		20953 VA		Total Conn. Load: 117320 VA					
Heating		57086 VA		100.00%		57086 VA		Total Est. Demand: 117320 VA					
Other		0 VA		0.00%		0 VA		Total Conn.: 326 A					
Receptacle		7740 VA		100.00%		7740 VA		Total Est. Demand: 326 A					
Power		26360 VA		100.00%		26360 VA							
Power		4104 VA		100.00%		4104 VA							
Lighting		1083 VA		100.00%		1083 VA							
Notes:													
PROVIDE INTEGRAL SURGE PROTECTION DEVICE(SPD) WITH ELECTRICAL PANEL PER PANEL MANUFACTURER RECOMMENDATIONS.													

PANEL: LA														
Location: SUPPLY 111				Volts: 120/208 Wye				A.I.C. Rating: 22000						
Supply From: MA				Phases: 3				Main Type: MLO						
Mounting: Surface				Wires: 4				Mains Rating: 200 A						
Enclosure: Type 1				MLO										
CKT	Circuit Description			Poles	Rating	A	B	C	Rating	Poles	Circuit Description		CKT	
LA-1	Lighting	1	20 A	550	540				20 A	1	Receptacle	LA-2		
LA-3	Lighting	1	20 A				432	540		20 A	1	Receptacle	LA-4	
LA-5	Lighting	1	20 A						112	540	20 A	1	Receptacle	LA-6
LA-7	Lighting	1	20 A		700	540				20 A	1	Receptacle	LA-8	
LA-9	Lighting	1	20 A				700	540		20 A	1	Receptacle	LA-10	
LA-11	Kitchen# 102 Recept. *	1	20 A						600	360	20 A	1	Receptacle	LA-12
LA-13	Kitchen# 102 Recept.	1	20 A	180	600					20 A	1	Receptacle	LA-14	
LA-15	Kitchen# 102 Recept.	1	20 A				180	600		20 A	1	Receptacle	LA-16	
LA-17	Receptacle	1	20 A						180	528	20 A	1	Power	LA-18
LA-19	Receptacle	1	20 A		180	360				20 A	1	Receptacle	LA-20	
LA-21	Receptacle	1	20 A				180	500		20 A	1	Power	LA-22	
LA-23	Receptacle	1	20 A						180	500	20 A	1	Power	LA-24
LA-25	Power	1	20 A	500	500					20 A	1	Power	LA-26	
LA-27	Power	1	20 A				500	500		20 A	1	Power	LA-28	
LA-29	Receptacle	1	20 A						180	0	30 A	1	Overhead Door	LA-30
LA-31	Receptacle	1	20 A	540	0					30 A	1	Overhead Door	LA-32	
LA-33	Receptacle	1	20 A				540	0		30 A	1	Overhead Door	LA-34	
LA-35	Receptacle	1	20 A						180	0	30 A	1	Overhead Door	LA-36
LA-37	SPD	3		0	80					20 A	1	HVAC	LA-38	
LA-39							0	80		20 A	1	HVAC	LA-40	
LA-41			30 A						0	0	20 A	1	SPARE	LA-42
LA-43	Power	1	20 A	288	0					20 A	1	SPARE	LA-44	
LA-45	Power	1	20 A				390	0		20 A	1	SPARE	LA-46	
LA-47	SPARE	1	20 A						0	0	20 A	1	SPARE	LA-48
LA-49	SPARE	1	20 A	0	0					20 A	1	SPARE	LA-50	
LA-51	SPARE	1	20 A			0	0			20 A	1	SPARE	LA-52	
LA-53	SPARE	1	20 A					0	0	20 A	1	SPARE	LA-54	
LA-55	SPARE	1	20 A	0	0					20 A	1	SPARE	LA-56	
LA-57	SPARE	1	20 A			0	0			20 A	1	SPARE	LA-58	
LA-59	SPARE	1	20 A					0	0	20 A	1	SPARE	LA-60	
LA-61	SPARE	--	--	0	0					20 A	1	SPARE	LA-62	
LA-63	SPARE	--	--			0	0			20 A	1	SPARE	LA-64	
LA-65	SPARE	--	--					0	0	20 A	1	SPARE	LA-66	
LA-67	SPARE	--	--	0	0					--	--	SPARE	LA-68	
LA-69	SPARE	--	--				0	0		--	--	SPARE	LA-70	
LA-71	SPARE	--	--					0	0	--	--	SPARE	LA-72	
LA-73	SPARE	--	--	0	0					--	--	SPARE	LA-74	
LA-75	SPARE	--	--			0	0			--	--	SPARE	LA-76	
LA-77	SPARE	--	--					0	0	--	--	SPARE	LA-78	
LA-79	SPARE	--	--	0	0					--	--	SPARE	LA-80	
LA-81	SPARE	--	--				0	0		--	--	SPARE	LA-82	
LA-83	SPARE	--	--					0	0	--	--	SPARE	LA-84	
Total Load:				5539 VA		5682 VA		3355 VA						
Total Amps:				49 A		50 A		28 A						
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals						
HVAC		262 VA		100.00%		262 VA		Total Conn. Load: 14574 VA						
Other		0 VA		0.00%		0 VA		Total Est. Demand: 14574 VA						
Receptacle		7740 VA		100.00%		7740 VA		Total Conn.: 40 A						
Power		1402 VA		100.00%		1402 VA		Total Est. Demand: 40 A						
Power		4104 VA		100.00%		4104 VA								
Lighting		1083 VA		100.00%		1083 VA								
Notes:														

PANEL: LA												
Location: SUPPLY 111				Volts: 120/208 Wye				A.I.C. Rating: 22000				
Supply From: MA				Phases: 3				Main Type: MLO				
Mounting: Surface				Wires: 4				Mains Rating: 200 A				
Enclosure: Type 1				MLO								
CKT	Circuit Description	Poles	Rating	A	B	C	Rating	Poles	Circuit Description	CKT		
LA-1	Lighting	1	20 A	550	540		20 A	1	Receptacle	LA-2		
LA-3	Lighting	1	20 A		432	540		20 A	1	Receptacle	LA-4	
LA-5	Lighting	1	20 A			112	540	20 A	1	Receptacle	LA-6	
LA-7	Lighting	1	20 A	700	540			20 A	1	Receptacle	LA-8	
LA-9	Lighting	1	20 A		700	540		20 A	1	Receptacle	LA-10	
LA-11	Kitchen# 102 Recept. *	1	20 A			600	360	20 A	1	Receptacle	LA-12	
LA-13	Kitchen# 102 Recept.	1	20 A	180	600			20 A	1	Receptacle	LA-14	
LA-15	Kitchen# 102 Recept.	1	20 A		180	600		20 A	1	Receptacle	LA-16	
LA-17	Receptacle	1	20 A			180	528	20 A	1	Power	LA-18	
LA-19	Receptacle	1	20 A	180	360			20 A	1	Receptacle	LA-20	
LA-21	Receptacle	1	20 A		180	500		20 A	1	Power	LA-22	
LA-23	Receptacle	1	20 A			180	500	20 A	1	Power	LA-24	
LA-25	Power	1	20 A	500	500			20 A	1	Power	LA-26	
LA-27	Power	1	20 A		500	500		20 A	1	Power	LA-28	
LA-29	Receptacle	1	20 A			180	0	30 A	1	Overhead Door	LA-30	
LA-31	Receptacle	1	20 A	540	0			30 A	1	Overhead Door	LA-32	
LA-33	Receptacle	1	20 A		540	0		30 A	1	Overhead Door	LA-34	
LA-35	Receptacle	1	20 A			180	0	30 A	1	Overhead Door	LA-36	
LA-37	SPD	3		0	80			20 A	1	HVAC	LA-38	
LA-39					0	80		20 A	1	HVAC	LA-40	
LA-41			30 A			0	0	20 A	1	SPARE	LA-42	
LA-43	Power	1	20 A	288	0			20 A	1	SPARE	LA-44	
LA-45	Power	1	20 A		390	0		20 A	1	SPARE	LA-46	
LA-47	SPARE	1	20 A				0	0	20 A	1	SPARE	LA-48
LA-49	SPARE	1	20 A	0	0			20 A	1	SPARE	LA-50	
LA-51	SPARE	1	20 A			0	0	20 A	1	SPARE	LA-52	
LA-53	SPARE	1	20 A			0	0	20 A	1	SPARE	LA-54	
LA-55	SPARE	1	20 A	0	0			20 A	1	SPARE	LA-56	
LA-57	SPARE	1	20 A			0	0	20 A	1	SPARE	LA-58	
LA-59	SPARE	1	20 A				0	0	20 A	1	SPARE	LA-60
LA-61	SPACE	--	--	0	0			20 A	1	SPARE	LA-62	
LA-63	SPACE	--	--		0	0		20 A	1	SPARE	LA-64	
LA-65	SPACE	--	--			0	0	20 A	1	SPARE	LA-66	
LA-67	SPACE	--	--	0	0			--	--	SPACE	LA-68	
LA-69	SPACE	--	--			0	0	--	--	SPACE	LA-70	
LA-71	SPACE	--	--				0	0	--	--	SPACE	LA-72
LA-73	SPACE	--	--	0	0			--	--	SPACE	LA-74	
LA-75	SPACE	--	--			0	0	--	--	SPACE	LA-76	
LA-77	SPACE	--	--				0	0	--	--	SPACE	LA-78
LA-79	SPACE	--	--	0	0			--	--	SPACE	LA-80	
LA-81	SPACE	--	--			0	0	--	--	SPACE	LA-82	
LA-83	SPACE	--	--				0	0	--	--	SPACE	LA-84
Total Load:				5539 VA	5682 VA	3355 VA						
Total Amps:				49 A	50 A	28 A						
Load Classification	Connected Load	Demand Factor		Estimated Demand		Panel Totals						
HVAC	262 VA	100.00%		262 VA		Total Conn. Load: 14574 VA						
Other	0 VA	0.00%		0 VA		Total Est. Demand: 14574 VA						
Receptacle	7740 VA	100.00%		7740 VA		Total Conn.: 40 A						
Power	1400 VA	100.00%		1400 VA								
Power	4104 VA	100.00%		4104 VA		Total Est. Demand: 40 A						
Lighting	1083 VA	100.00%		1083 VA								

PANEL: MC												
Location: STORAGE 118				Volts: 120/208 Wye				A.I.C. Rating: 42000				
Supply From:				Phases: 3				Mains Type: MCB				
Mounting: Surface				Wires: 4				Mains Rating: 400 A				
Enclosure: Type 1								MCB Rating: 400 A				
CKT	Circuit Description	Poles	Rating	A	B	C	Rating	Poles	Circuit Description	CKT		
MC-1	CU-5- 3#12,#12G,3/4"C	3		1308	3089			2	AHU-5-2#8,#10G,3/4"C	MC-2		
MC-3					1308	3089		40 A		MC-4		
MC-5			20 A			1308	0	2	AHU-6-2#8,#10G,3/4"C	MC-6		
MC-7	CU-6- 3#12,#12G,3/4"C	3		1308	0	1308	6022	40 A	AHU-7- 2#3,#8G,1-1/4"C	MC-8		
MC-9			20 A			1308	6022	100 A		MC-10		
MC-11										MC-12		
MC-13	CU-7 - 3#10,#10G,3/4"C	3		1776	2000			3	ELECTRICAL WATER #2- 3#10,#10G,3/4"C	MC-14		
MC-15					1776	2000				MC-16		
MC-17			30 A			1776	2000	20 A		MC-18		
MC-19	SPARE	1	20 A	0	528			20 A	1	RE-CIRCULATION HOT WATER PUMP		
MC-21	SPARE	1	20 A			0	168	20 A	1	EF-8 & EF-9		
MC-23	SPARE	1	20 A					0	84	20 A		
MC-25	SPARE	1	20 A	0	0			20 A	1	SPARE		
MC-27	SPARE	1	20 A			0	0	20 A	1	SPARE		
MC-29	SPARE	1	20 A					0	0	20 A		
MC-31	SPARE	1	20 A	0	0			20 A	1	SPARE		
MC-33	SPARE	1	20 A			0	0	20 A	1	SPARE		
MC-35	SPARE	1	20 A					0	0	20 A		
MC-37	SPD	3		0	9523			3		LC		
MC-39						0	9630					
MC-41			30 A					0	11562	200 A		
Total Load:				19532 VA		25300 VA		24060 VA				
Total Amps:				163 A		217 A		206 A				
Load Classification			Connected Load	Demand Factor		Estimated Demand		Panel Totals				
Cooling			0 VA	0.00%		0 VA						
HVAC			13176 VA	100.00%		13176 VA		Total Conn. Load: 68862 VA				
Heating			24222 VA	100.00%		24222 VA		Total Est. Demand: 61350 VA				
Lighting - Dwelling Unit			200 VA	100.00%		200 VA		Total Conn.: 191 A				
Lighting - Exterior			300 VA	125.00%		375 VA		Total Est. Demand: 170 A				
Other			0 VA	0.00%		0 VA						
Receptacle			25228 VA	69.82%		17614 VA						
Power			1800 VA	100.00%		1800 VA						
Power			1280 VA	100.00%		1280 VA						
Lighting			2711 VA	100.00%		2711 VA						
Notes:												



1 CLINIC ELECTRICAL RISER DIAGRAM

E6.2 SCALE: NTS

2 AMBULANCE STATION ELECTRICAL RISER DIAGRAM

E6.2 SCALE: NTS

GENERAL NOTES:

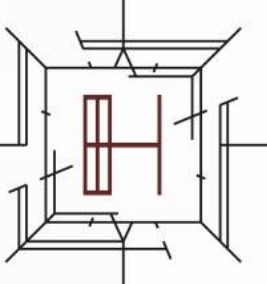
1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE TO VERIFY EXISTING CONDITIONS AND INCLUDE ALL RELATED WORK IN HIS BID.
2. REFER SITE PLAN DRAWING E1.1 FOR FURTHER INFORMATION.

KEYED NOTES:

1. NEW UNDERGROUND 208Y/120V-3PHASE-4W SECONDARY SERVICE TO BE COORDINATED WITH UNITED COOPERATIVE SERVICE ENGINEER. MR. MATT BIERY. EMAIL :MATT@UCS.NET. TELEPHONE 940-779-7102.
2. NEW POLE MOUNTED UTILITY TRANSFORMERS. COORDINATE TRANSFORMERS AND INSTALLATION REQUIREMENTS WITH UNITED COOPERATIVE SERVICE ENGINEER. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOCAL UTILITY REQUIREMENTS: GROUNDING, TRENCHING AND BACKFILL, SUPPORT, METERING, ETC. AND THE PAYMENT OF ALL REQUIRED FEES.
3. COORDINATE WITH UTILITY COMPANY ELECTRICAL METER TRANSOCKET SIZE AND PAY ALL CORRESPONDING FEES.
4. CONTRACTOR SHALL LABEL THE MAIN SERVICE DISCONNECT SWITCH WITH THE UTILITY COMPANY 'S AIC RATING.
5. LIGHTING RELAY PANEL SHALL BE EQUAL TO CRESTON # GL-IAPC-CS-W8+8-ELDS- WITH EIGHT RELAYS AND TIME CLOCK. TO BE PROVIDED WITH ALL NEEDED HARDWARE TO MEET IEEC 2015 CODE. (POWER PACKS, CAT-5, ETC).

THE SHORT-CIRCUIT CURRENT AVAILABLE FOR A THREE PHASE 300KVA-UTILITY TRANSFORMER WITH A SECONDARY SIDE OF 208Y/120V-THREE PHASE- WITH AN IMPEDANCE EQUAL TO 1.10%, IS EQUAL TO 83357 AMPERES OF INTERRUPTING CAPACITY(AIC).
X = AVAILABLE FAULT CURRENT.

AMBULANCE STATION & CLINIC POSSUM KINGDOM LAKE EAST, GRAFORD, TX CLIENT: PPC EMERGENCY SERVICES DISTRICT NO.1



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REVISION NO.	DESCRIPTION	DATE
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HA PROJECT NUMBER

01921-00-00

DATE

09/08/2020

ISSUE

CONSTRUCTION

DOCUMENTS

SHEET TITLE

ELECTRICAL RISER

DIAGRAM

SHEET NO.

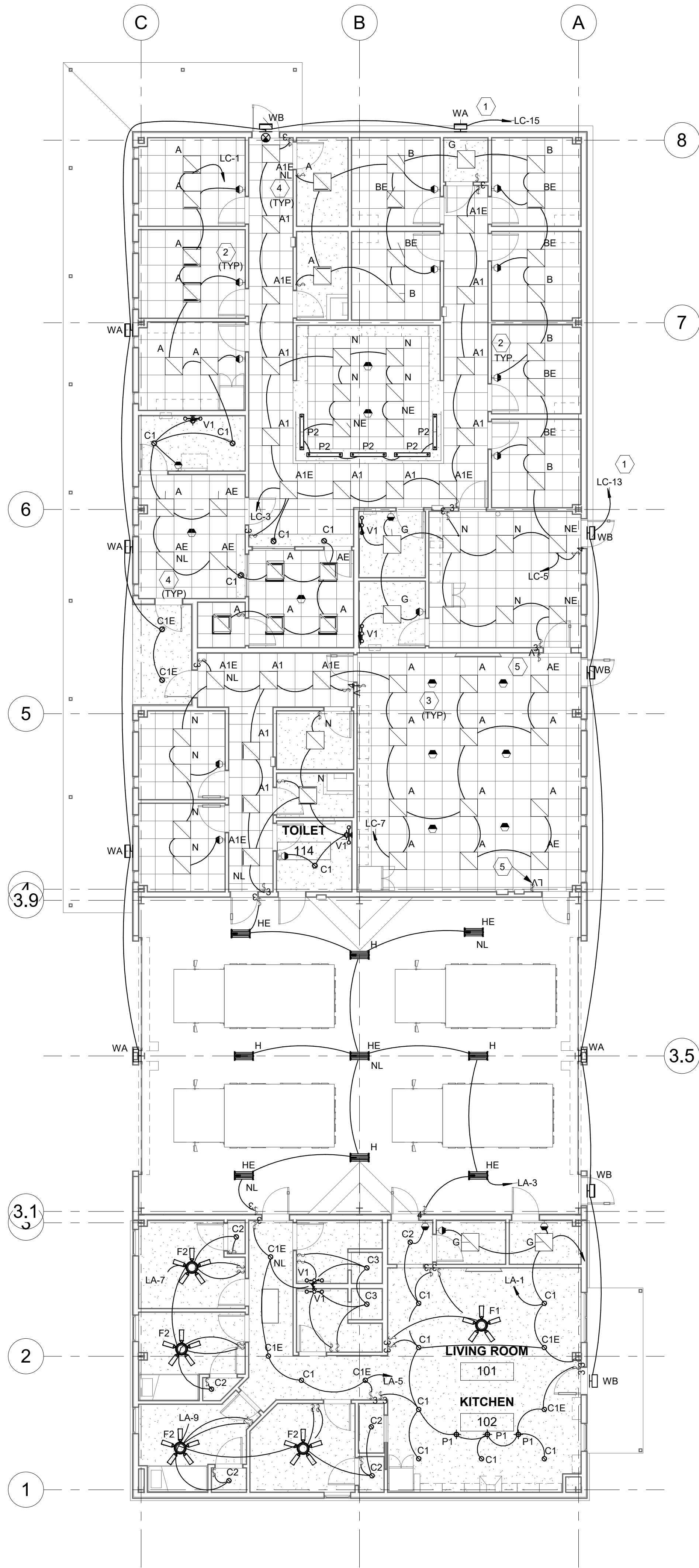
E6.2

LIGHTING NOTES

1. FOR SYMBOL AND ABBREVIATIONS SEE SHEET E0.1.
2. FOR PANELBOARD AND LIGHT FIXTURE SCHEDULE, SEE SHEET E6.1.
3. FOR ELECTRICAL RISER DIAGRAM, SEE SHEET E6.2.
4. CONTRACTOR SHALL PROVIDE ALL NECESSARY HARDWARE FOR ALL WALL LIGHT SENSORS AND CEILING MOUNTED LIGHT SENSORS.

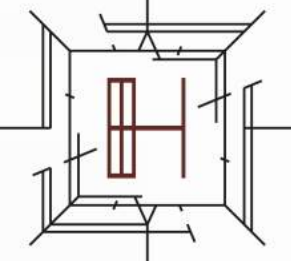
LIGHTING PLAN KEYED NOTES

1. EXTERIOR LIGHTING FIXTURE CIRCUIT SHALL BE ROUTED THROUGH LIGHTING RELAY PANEL 'LRP' FOR 'ON' AND 'OFF' CONTROL WITH PHOTOCELL AND TIME CLOCK. REFER TO ELECTRICAL RISER DIAGRAM ON SHEET E6.2.
2. WALL MOTION SENSOR SHALL BE EQUAL TO WATTSTOPPER 200 OR EQUAL APPROVED.
3. CEILING MOTION SENSOR SHALL BE EQUAL TO ACUTY CONTROL #CM-PDT-9 OR EQUAL APPROVED. PROVIDE WITH ITS OWN POWER PACK #PP19 AND CAT-5E WIRING.
4. 'NL' REFERS TO LIGHT FIXTURES DESIGNATED AS NIGHT LIGHTS TO BE ON 24-HOURS (CONNECT TO UNSWITCHED WIRE IN THE ROOM WHERE THEY ARE LOCATED).
5. PROVIDE 3-BUTTON(ON/OFF/DIMMER) WALL STATION NLIGHT #NP0DM-DX-WH OR EQUAL APPROVED WITH TWO CHANNELS ONE CHANNEL TO CONTROLS THE ROW OF FIXTURES NEAR THE INSTRUCTOR WALL AND THE OTHER CHANNEL TO CONTROL THE LIGHT FIXTURES LOCATED ABOVE THE DESKS.
6. REFER TO ARCHITECTURAL PLANS FOR FIXTURE ELEVATIONS.



1 FIRST FLOOR LIGHTING PLAN
E9.1 SCALE: 1/8" = 1'-0"

AMBULANCE STATION & CLINIC
POSSUM KINGDOM LAKE EAST, GRAFORD, TX
CLIENT: PPC EMERGENCY SERVICES DISTRICT NO.1



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REVISION	NO.	DESCRIPTION	DATE
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HA PROJECT NUMBER
01921-00-00
DATE
09/08/2020
ISSUE
CONSTRUCTION
DOCUMENTS
SHEET TITLE
FLOOR PLAN -
LIGHTING

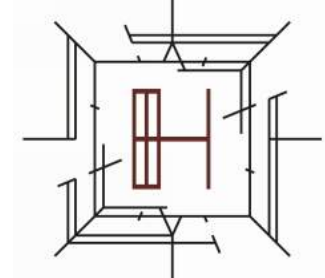
SHEET NO.
E9.1

IMPORTANT NOTES FOR CONTRACTOR		PLUMBING ABBREVIATIONS		PLUMBING SYMBOL LEGEND		PLUMBING CALCULATIONS								
(APPLICABLE TO ALL PLUMBING SHEETS)		AFF	ABOVE FINISHED FLOOR ELEVATION		SANITARY SEWER (SS)	PLUMBING FIXTURE		#	CWSFU	HWSFU	DFU			
		AHAP	AS HIGH AS POSSIBLE		SANITARY VENT (V)	EACH	TOTAL	EACH	TOTAL	EACH	TOTAL			
1.	PROVIDE ALL MATERIALS, LABOR AND EQUIPMENT AS REQUIRED TO INSTALL COMPLETE AND OPERABLE PIPING SYSTEMS AS INDICATED ON THE DRAWINGS. AS SPECIFIED, AS REQUIRED BY ALL APPLICABLE CODES AND PER MANUFACTURER'S RECOMMENDATIONS.	AHJ	AUTHORITIES HAVING JURISDICTION		STORM DRAIN (SD)	WATER CLOSET, TANK TYPE		6	5	30	-	4	24	
2.	ALL OPENINGS IN FIRE RATED WALLS FOR DUCTWORK, PIPING, CONDUITS, ETC. SHALL BE FIRE STOPPED WITH A FIRE CAULK SIMILAR TO 3M OR APPROVED EQUAL. REFER TO MECHANICAL DRAWINGS FOR UL WALL PENETRATION DETAILS.	AV	ACID VENT		STORM OVERFLOW DRAIN (OD)	LAVATORY		6	1.5	9	1.5	9	1	6
3.	SLOPE OF ALL HORIZONTAL DRAINAGE PIPING (SANITARY, STORM, GREASE WASTE, ACID WASTE, ETC.) AS FOLLOWS UNLESS NOTED OTHERWISE ON PLANS: SIZE SLOPE 2 1/2" OR LESS 1/4" IN/FT 3" AND LARGER 1/8" IN/FT	AW	ACID WASTE		GREASE WASTE (GW)	SHOWER		2	3	6	3	6	2	4
4.	ALL HORIZONTAL VENT PIPING SHALL BE GRADED AS TO DRAIN BACK TO THE DRAINAGE PIPE BY GRAVITY.	BT	BATH TUB		ACID WASTE (AW)	KITCHEN SINK w/DISHWASHER		1	3	3	4.4	4.4	2	4
5.	REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND ELEVATION OF FLOOR DRAINS. CONTRACTOR SHALL COORDINATE LOCATIONS OF FLOOR DRAINS IN MECHANICAL ROOMS WITH HVAC DRAWINGS.	BFF	BELOW FINISHED FLOOR		ACID VENT (AV)	CLINIC SINKS		11	1.5	16.5	1.5	16.5	2	22
6.	PROVIDE SHUT-OFF VALVES IN ALL DOMESTIC WATER PIPING SYSTEM BRANCH LINES.	BFP	BACKFLOW PREVENTER		DOMESTIC COLD WATER (CW)	MOP BASIN		2	2.25	4.5	2.25	4.5	2	4
7.	PROVIDE CLEANOUTS IN HORIZONTAL DRAINAGE PIPING AT ENDS OF RUNS, AT CHANGES IN DIRECTION GREATER THAN 45°, NEAR THE BASE OF STACKS, EVERY 50 FEET IN HORIZONTAL RUNS AND ELSEWHERE AS INDICATED. CLEANOUTS SHALL BE THE SAME NOMINAL SIZE AS THE PIPE THEY SERVE UP TO 4 INCHES. FOR PIPES LARGER THAN 4 INCHES NOMINAL SIZE, THE MINIMUM SIZE OF THE CLEANOUT SHALL BE 4 INCHES.	BTF	BRANCH TO FIXTURES		DOMESTIC HOT WATER (110°F HW)	WALL HYDRANT		6	2	12	-	-	-	-
8.	CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL ADA PLUMBING FIXTURES. CONTRACTOR SHALL PROVIDE OFFSET P-TRAP AND MOUNT ADA PLUMBING FIXTURES TO COMPLY WITH (ADA) AND TEXAS ACCESSIBILITY STANDARDS REQUIREMENTS.	CP	CIRCULATION PUMP		DOMESTIC HOT WATER (140°F HW)	FLOOR DRAIN		6	-	-	-	-	2	12
9.	CONTRACTOR SHALL REFER TO HVAC DRAWINGS FOR ROUTING OF HVAC UNIT CONDENSATE DRAIN LINES. CONTRACTOR SHALL PROVIDE INDIRECT DRAIN WITH TRAP PRIMER AS REQUIRED. TRAP PRIMER TO BE LOCATED BEHIND 12"x12" ACCESS PANEL. ACCESS PANEL LOCATIONS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN.	CW	DOMESTIC COLD WATER		DOMESTIC HOT WATER RETURN (HWR)	PLUMBING TOTALS				81		40.4		76
10.	ALL LAVATORIES AND SINKS SHALL BE PROVIDED WITH A THERMOSTATIC MIXING VALVE (TMV) AS SPECIFIED IN THE PLUMBING FIXTURE SCHEDULE.	D	GRAVITY DRAIN		DOMESTIC HOT WATER RETURN (140°F)	TOTAL COMBINED DRAINAGE FIXTURE UNITS = 4" SS. TOTAL COMBINED WATER SUPPLY FIXTURE UNITS = 1 1/2" WATER SERVICE. ABOVE TABLE CALCULATED PER 2012 INTERNATIONAL PLUMBING CODE, TABLES 709.1, 710.1(2), E103.3(2), AND E103.3(3)								
		DCO	DOUBLE (TWO-WAY) CLEANOUT		FIRE LINE (F)									
		DF	DRINKING FOUNTAIN		NATURAL GAS (G)									
		INH	INSTANTANEOUS WATER HEATER		COMPRESSED AIR (A)									
		EWH	ELECTRIC WATER HEATER		OXYGEN									
		EW	ELECTRIC WATER COOLER		VACUUM									
		FCO	FLOOR CLEANOUT		NITROGEN (N)									
		FD	FLOOR DRAIN		NITROUS OXIDE (NO)									
		FL	FLOW LINE ELEVATION		RISER DOWN (ELBOW)									
		FP	FIRE PROTECTION		RISER UP (ELBOW)									
		FS	FLOOR SINK		BRANCH-BOTTOM CONNECTION									
		G	GAS		BRANCH-TOP CONNECTION									
		GAL	GALLONS		TEE CONNECTION									
		GCO	GRADE CLEANOUT		90° ELBOW									
		GPF	GALLONS PER FLUSH		CAP ON END OF PIPE									
		GPH	GALLONS PER HOUR		UNION									
		GPM	GALLONS PER MINUTE		FLOOR CLEANOUT									
		GW	GREASE WASTE		CLEANOUT PLUG									
		GW	GAS WATER HEATER		BALL VALVE									
		HA	WATER HAMMER ARRESTER		PRESSURE REDUCING VALVE									
		HB	HOSE BIB		CHECK VALVE									
		HD	HUB DRAIN		FLOW CONTROL VALVE									
		HW	DOMESTIC HOT WATER		GAS COCK									
		HWR	DOMESTIC HOT WATER RETURN		TEMPERATURE-PRESSURE RELIEF VALVE									
		IB	ICE MAKER WALL BOX		THERMOMETER									
		IE	INVERT ELEVATION		PRESSURE GAUGE WITH GAUGE COCK									
		L	LAVATORY		DIRECTION OF SLOPE									
		MFR	MANUFACTURER		DIRECTION OF FLOW									
		MB	MOP BASIN		OUTLET (SPECIFY TYPE)									
		NFWH	NON-FREEZE WALL HYDRANT		COMPRESSED AIR OUTLET									
		OD	OVERFLOW DRAIN		N.F.W.H.									
		PBG	PLUMBING		H.B.									
		PRV	PRESSURE REDUCING VALVE		FLOOR SINK									
		RD	ROOF DRAIN		FLOOR DRAIN									
		RH	ROOF HYDRANT		HUB DRAIN									
		RPZ	REDUCED PRESSURE ZONE VALVE		ROOF DRAIN									
		S	SINK		OVERFLOW DRAIN									
		SD	STORM DRAIN		EXISTING PIPING TO BE REMOVED									
		SH	SHOWER		NEW CONNECTION TO EXISTING									
		SS	SANITARY SEWER		NOTE: NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED.									
		T&P	TEMPERATURE ANED PRESSURE RELIEF											
		TMV	THERMOSTATIC MIXING VALVE											
		TP	TRAP PRIMER											
		TYP	TYPICAL											
		U	URINAL											
		UF	UNDER FLOOR											
		UNO	UNLESS NOTED OTHERWISE											
		V	VENT											
		VTR	VENT THROUGH ROOF											
		WB	WASHING MACHINE WALL BOX											
		WC	WATER CLOSET											
		WCO	WALL CLEANOUT											
		WF	WASH FOUNTAIN											
		XT	EXPANSION TANK											
		YH	YARD HYDRANT											
			NOTE: NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED.											

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REVISION		
NO.	DESCRIPTION	DATE

[illegible]

HA PROJECT NUMBER

01921-00-00

DATE _____

09/08/2020

ISSUE

CONSTRUCTION

DOCUMENTS

PLUMBING

SYMBOLS &

SYMBOLS & ABBREVIATIONS

SHEET NO.

PO 1

10.1

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PLOT DATE:

TEMPLATE VERSION:

9/9/2020 11:27:41 AM

PLUMBING KEYED NOTES

1

3"SS UP TO EXTERIOR CLEANOUT.

2

CLOSET BEND, TYPICAL FOR 6 WATER CLOSETS.

3

4" SS UP TO WALL CLEANOUT.

4

3" SS UP TO FLOOR DRAIN.

5

4" SS; REFER TO CIVIL C7.0 FOR CONTINUATION.

6

4" SS UP TO TWO-WAY EXTERIOR CLEANOUT.

7

1 1/2" DOMESTIC WATER SERVICE. REFER TO CIVIL C7.0 FOR CONTINUATION.

8

1 1/2" DOMESTIC WATER SERVICE UP TO RPZ.

9

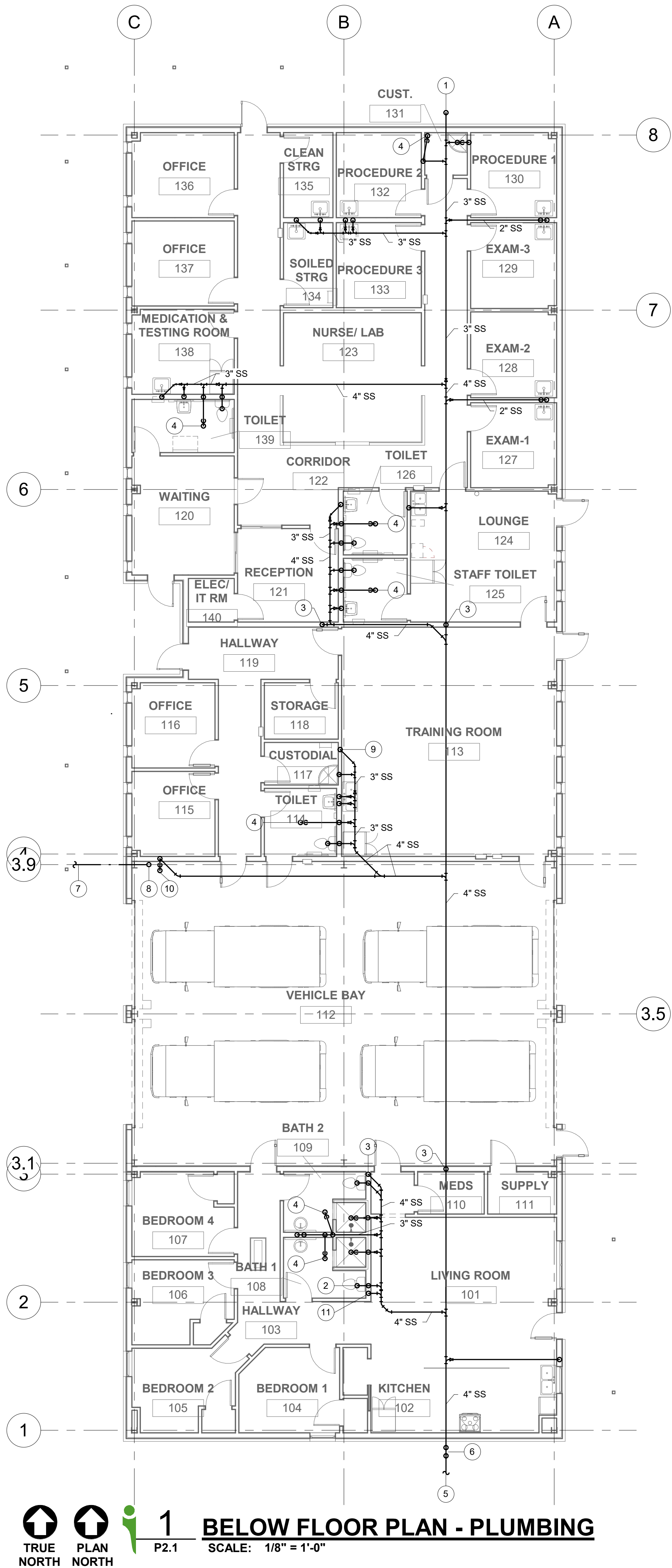
3" SS UP TO WALL CLEANOUT.

10

4" SS UP TO FLOOR DRAIN.

11

3" SS UP TO MEZZANINE TO SERVE FLOOR DRAIN AT WATER HEATER. REFER TO P2.2 FOR CONTINUATION.



↑

TRUE NORTH

↑

PLAN NORTH

↑

PLAN NORTH

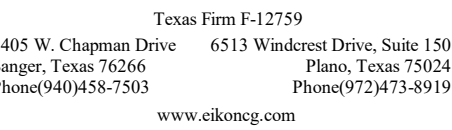
1

BELOW FLOOR PLAN - PLUMBING

P2.1

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

- 1 1/2" CW, 1/2" HW and 2" V DN IN WALL TO SERVE KITCHEN SINK.
- 1" CW AND 1" HW TO WATER HEATER.
- 3/4" CW AND 3/4" HW DN IN WALL TO SERVE SHOWERS. CONNECT 1/2" CW AND 1/2" HW TO EACH SHOWER VALVE.
- 3/4" CW AND 3/4" HW DN IN WALL TO SERVE LAVATORIES/SINKS. CONNECT 1/2" CW AND 1/2" HW TO EACH LAVATORY FAUCET AND INSTALL THERMOSTATIC MIXING VALVE (SET AT 110°F) AT EACH HW CONNECTION.
- 3/4" CW AND 3/4" HW DN IN WALL TO SERVE LAVATORY AND SINK. CONNECT 1/2" CW AND 1/2" HW TO EACH FAUCET AND INSTALL THERMOSTATIC MIXING VALVE (SET AT 110°F) AT EACH HW CONNECTION.
- 2" V DN AND 3" VTR.
- 2" V DN AND 2" VTR.
- 2" V DN IN WALL TO SERVE PLUMBING FIXTURE.
- 3" SS UP TO FLOOR DRAIN LOCATED IN MEZZANINE.
- 3" SS DN TO BELOW SLAB AND 2" V DN TO SERVE FLOOR DRAIN. CONNECT 2" V TO 3" VTR.



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DOCUMENTS
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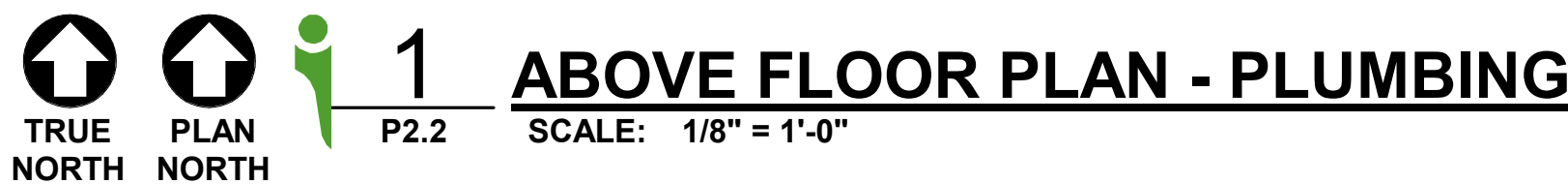
ABOVE FLOOR

PLAN - PLUMBING

SHEET NO.

D2 2

P2.2



PLOT DATE: 8/2/2020 11:27:51 AM TEMPLATE VERSION:

PLUMBING FIXTURE SCHEDULE									
DESIG.	DESCRIPTION	MANUFACTURER & MODLE NUMBER	SAN WTR SIZE	VENT SIZE	COLD WTR SIZE	HOT WTR SIZE	DESCRIPTION / REMARKS		
WC	FLOOR MOUNTED TANK TYPE WATER CLOSET (ADA)	AMERICAN STANDARD CADET #2898.012	4"	2"	3/4"	-	FLOOR MOUNTED PER ADA REQUIREMENTS, 1.6 GPM SIPHON JET FLUSH ACTION, ELONGATED BOWL, SMART VALVE FOR QUIET REFILL,CLOSED COUPLED TANK WITH SPEED CONNECTION COUPLING SYSTEM, TWO BOLT CAPS, COLOR MATCHED TRIP LEVER, VITREOUS CHINA WATER CLOSET WITH OLSONITE #46 EXTRA HEAVY SOLID PLASTIC OPEN FRONT SEAT WITH COVER.		
L1	COUNTERTOP LAVATORY W/ WRIST BLADE HANDLES (ADA)	AMERICAN STANDARD AQUALYN #0475.020 CHICAGO FAUCET #404-V317CP	2"	2"	1/2"	1/2"	COUNTERTOP MOUNTED PER ADA REQUIREMENTS, VITREOUS CHINA, FAUCET LEDGE, FRONT OVERFLOW, LAVATORY WITH FAUCET HOLES ON 8" CENTERS, FURNISH COMPLETE WITH CHROME PLATED 1 1/2 INCH P-TRAP, KEYLESS ANGLE STOPS AND FLEXIBLE METAL SUPPLIES. FAUCET SHALL BE HEAVY DUTY CAST BRASS, POLISHED CHROME PLATED FINISH, 5" SPOUT, INDEXED WRIST BLADE HANDLES WITH VANDAL RESISTANT SCREWS AND VANDAL RESISTANT AERATOR (0.5 GPM).		
L2	WALL MOUNTED LAVATORY DECK MOUNTED FAUCET W/ WRIST BLADE HANDLES (ADA)	AMERICAN STANDARD LUCERNE #0356.015 CHICAGO FAUCET #404-V317CP	2"	2"	1/2"	1/2"	WALL MOUNTED PER ADA REQUIREMENTS, VITREOUS CHINA, FAUCET LEDGE, FRONT OVERFLOW, D-SHAPED BOWL LAVATORY WITH FAUCET HOLES ON 8" CENTERS, FURNISH COMPLETE WITH CHROME PLATED 1 1/2 INCH P-TRAP, KEYLESS ANGLE STOPS AND FLEXIBLE METAL SUPPLIES. FAUCET SHALL BE HEAVY DUTY CAST BRASS, POLISHED CHROME PLATED FINISH, 5" SPOUT, INDEXED WRIST BLADE HANDLES WITH VANDAL RESISTANT SCREWS AND VANDAL RESISTANT AERATOR (0.5 GPM).		
S1	DOUBLE COMPARTMENT STAINLESS STEEL SINK W/ DISPOSAL	ELKAY CR4322 CHICAGO FAUCET #201-AGN8AE3-317 IN-SINK-ERATOR DISPOSAL #LC-50	2"	2"	1/2"	1/2"	COUNTER MOUNTED AT STANDARD HEIGHT, DOUBLE COMPARTMENT, 20 GUAGE, TYPE 304 NICKEL BEARING STAINLESS STEEL SINK WITH FAUCET HOLES ON 8" CENTERS (43"Lx22"Wx6"7/8"D), UNDERSIDE OF SINK IS FULLY UNDERCOATED, FURNISH COMPLETE WITH CHROME PLATED 1 1/2 INCH P-TRAP, KEYLESS ANGLE STOPS AND FLEXIBLE METAL SUPPLIES. FAUCET SHALL BE HEAVY DUTY CAST BRASS, POLISHED CHROME PLATED FINISH, RIGID/SWIVEL GOOSENECK SPOUT, INDEXED WRIST BLADE HANDLES AND VANDAL RESISTANT AERATOR (2.2 GPM). PROVIDE ELKAY "LK-35" STRAINER, PROVIDE IN-SINK-ERATOR DISPOSAL MODEL NO. LC-50 (120 V, 1 PH, 5.8 AMPS).		
S2	DOUBLE COMPARTMENT STAINLESS STEEL SINK (ADA)	ELKAY CR4322 CHICAGO FAUCET #201-AGN8AE3-317	2"	2"	1/2"	1/2"	COUNTER MOUNTED AT PER ADA REQUIREMENTS, DOUBLE COMPARTMENT, 20 GUAGE, TYPE 304 NICKEL BEARING STAINLESS STEEL SINK WITH FAUCET HOLES ON 8" CENTERS (43"Lx22"Wx6"7/8"D), UNDERSIDE OF SINK IS FULLY UNDERCOATED, FURNISH COMPLETE WITH CHROME PLATED 1 1/2 INCH P-TRAP, KEYLESS ANGLE STOPS AND FLEXIBLE METAL SUPPLIES. FAUCET SHALL BE HEAVY DUTY CAST BRASS, POLISHED CHROME PLATED FINISH, RIGID/SWIVEL GOOSENECK SPOUT, INDEXED WRIST BLADE HANDLES AND VANDAL RESISTANT AERATOR (2.2 GPM). PROVIDE ELKAY "LK-35" STRAINER, PROVIDE IN-SINK-ERATOR DISPOSAL MODEL NO. LC-50 (120 V, 1 PH, 5.8 AMPS).		
S3	DOUBLE COMPARTMENT STAINLESS STEEL SINK (ADA)	ELKAY LR3222 CHICAGO FAUCET #201-AGN8AE3-317	2"	2"	1/2"	1/2"	COUNTER MOUNTED PER ADA REQUIREMENTS, DOUBLE COMPARTMENT, 18 GUAGE, TYPE 304 NICKEL BEARING STAINLESS STEEL SINK WITH FAUCET HOLES ON 8" CENTERS (33"Lx22"Wx6"7/8"D), UNDERSIDE OF SINK IS FULLY UNDERCOATED, FURNISH COMPLETE WITH CHROME PLATED 1 1/2 INCH P-TRAP, KEYLESS ANGLE STOPS AND FLEXIBLE METAL SUPPLIES. FAUCET SHALL BE HEAVY DUTY CAST BRASS, POLISHED CHROME PLATED FINISH, RIGID/SWIVEL GOOSENECK SPOUT, INDEXED WRIST BLADE HANDLES AND VANDAL RESISTANT AERATOR (2.2 GPM). PROVIDE ELKAY "LK-35" STRAINER.		
S4	SINGLE COMPARTMENT STAINLESS STEEL SINK (ADA)	ELKAY LR2222 CHICAGO FAUCET #201-AGN8AE3-317	2"	2"	1/2"	1/2"	COUNTER MOUNTED PER ADA REQUIREMENTS, SINGLE COMPARTMENT, 18 GUAGE, TYPE 304 NICKEL BEARING STAINLESS STEEL SINK WITH FAUCET HOLES ON 8" CENTERS (22"Lx22"Wx6"7/8"D), UNDERSIDE OF SINK IS FULLY UNDERCOATED, FURNISH COMPLETE WITH CHROME PLATED 1 1/2 INCH P-TRAP, KEYLESS ANGLE STOPS AND FLEXIBLE METAL SUPPLIES. FAUCET SHALL BE HEAVY DUTY CAST BRASS, POLISHED CHROME PLATED FINISH, RIGID/SWIVEL GOOSENECK SPOUT, INDEXED WRIST BLADE HANDLES AND VANDAL RESISTANT AERATOR (2.2 GPM). PROVIDE ELKAY "LK-35" STRAINER.		
SH	SHOWER TRIM FOR TILED SHOWER (ADA)	BRADLEY #HN300-TMV	2"	2"	1/2"	1/2"	CONCEALED IN-WALL SHOWER WITH EQUA-FLO HD PRESSURE BALANCING VALVE. SHOWER VALVE SHALL BE BRASS AND STAINLESS STEEL CONSTRUCTION, 2.0 GPM FLOW CONTROL, TAMPER RESISTANT LIMIT STOP, CHECK STOPS, VANDAL RESISTANT AND ADA COMPLIANT LEVER HANDLE AND CHROME PLATED FINISH METAL TRIM. PROVIDE 30" VANDAL RESISTANT CAST WALL MOUNT SHOWER HEAD, DIVERTER VALVE, HAND SPRAY WITH 60" STAINLESS STEEL HOSE AND INLINE BACKFLOW PREVENTOR AND QUICK DISCONNECT, L-SHAPED GRAB BAR, BARRIER FREE PLASTIC FOLDING SHOWER SEAT, VINYL SHOWER CURTAIN WITH CURTAIN ROD AND HOOKS AND 2" FD-A.		
MB	TERRAZO FLOOR MOUNTED CORNER MOP BASIN	FIAT #TSBCR 1000 FIAT MOP BRACKET #889CC FIAT HOSE AND BRACKET #832AA	3"	2"	3/4"	3/4"	TERRAZO, FLOOR MOUNTED CORNER MOP SINK (28"x28"x12" HIGH), MOP SINK SHALL BE FURNISHED COMPLETE W/ FACTORY INSTALLED DRAIN BODY WITH STAINLESS STEEL STRAINER, WALL MOUNTED STAINLESS STEEL MOP HANGER, 31" LONG HEAVY DUTY RUBBER HOSE AND HOSE BRACKET, WALLMOUNT FAUCET W/ 8" CENTERS, CHROME PLATED FINISH, INDEXED LEVER HANDLES, VACUUM BREAKER SPOUT W/ PAL HOOK AND WALL BRACE.		
TMV	THERMOSTATIC MIXING VALVE	WATTS #LFUSG-B	-	-	-	-	BRONZE BODY THERMOSTATIC MIXING VALVE WITH INTEGRAL FILTER WASHERS AND CHECK VALVES AND AN ADJUSTMENT CAP WITH LOCKING FEATURE. VALVE SHALL BE ASSE 1016, 1017 AND 1070 LISTED. SET VALVE TEMPERATURE AT 105°F. IF VALVE SERVES WALL HUNG LAVATORY, LOCATE VALVE IN WALL DIRECTLY BEHIND A 12"x12" ACCESS PANEL WITH LOCKING COVER. COORDINATE LOCATION WITH ARCHITECT. IF VALVE SERVES A COUNTERTOP LAVATORY, LOCATE VALVE BELOW LAVATORY WITHIN CABINET. IF VALVE SERVES MULTIPLE LAVATORIES, VALVE SIZE SHALL BE AS FOLLOWS: 1-2 LAVATORIES (1/2"), 3-4 LAVATORIES (3/4") AND 5-6 LAVATORIES (1").		
FD1	FLOOR DRAIN (RESTROOMS, MEZZANINE)	JOSAM #30000-A-50-VP	-	2"	1/2"	-	CAST IRON FLOOR DRAIN, TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, INVERTIBLE NON-PUNCTURING FLASHING COLLAR, WEEPHOLES, BOTTOM OUTLET AND ADJUSTABLE SATIN NIKALOY STRAINER, 1/2" TRAP PRIMER CONNECTION AND SECURED GRATE WITH VANDAL-PROOF SCREWS. VERIFY ROUND OR SQUARE TOP STRAINER WITH ARCHITECT.		
FD2	FLOOR DRAIN (VEHICLE BAY)	JOSAM #32104-AE-TG	4"	2"	-	-	COATED CAST IRON LEVELEZE FLOOR DRAIN, TWO PIECE BODY W/ DOUBLE DRAINAGE FLANGE, WELOC NON-PUNCTURING FLASHING COLLAR, WEEPHOLES, BOTTOM OUTLET, ROUND TOP, ADJUSTABLE COLLAR W/ ROLLED THREAD AND HEAVY-DUTY, DEEP SET TRACTOR GRATE.		
RPZ	REDUCED PRESSURE BACKFLOW PREVENTER	WATTS #919 SERIES	-	-	1 1/2"	-	BRONZE BODY, SILICONE RUBBER DISCS, REPLACEABLE POLYMER CHECK SEATS, STAINLESS STEEL COVER BOLTS, CHECK VALVE POUP ASSEMBLIES, TOP MOUNTED TEST COCKS.		
WCO	WALL CLEANOUT	JOSAM #58600-PLG-COT-VP	VARIABLES	-	-	-	ROUND STAINLESS STEEL WALL ACCESS COVER WITH VANDAL PRROOF CENTER SCREW, CAST IRON NO-HUB CLEANOUT TEE WITH RECESSED BRONZE TAPPED PLUG.		
ECO	EXTERIOR CLEANOUT	JOSAM #57008-Z-CI-1SD	4"	-	-	-	COATED CAST IRON, LEVELEZE KLEENATRON FLOOR CLEANOUT, INTERNAL GASKETED ABS CLEANOUT PLUG, NO-HUB CONNECTION AND ADJUSTABLE ABS HOUSING WITH SPECIAL-DUTY SCORIATED SECURED ROUND CAST IRON TOP.		
NFWH	NON-FREEZE WALL HYDRANT	JOSAM #71000	-	-	3/4"	-	CAST BRONZE BOX TYPE NON-FREEZE WALL HYDRANT WITH SATIN NIKALOY SCORIATED HINGED LATCHING COVER, 3/4" H.P.T. OUTLET, INTEGRAL VACUUM BREAKER BACKFLOW PREVENTER, PRESSURE RELIEF VALVE, 1" MALE N.P.T. INLET CONNECTION, FURNISH COMPLETE WITH KEY LOCK AND "WATER" CAST ON COVER.		

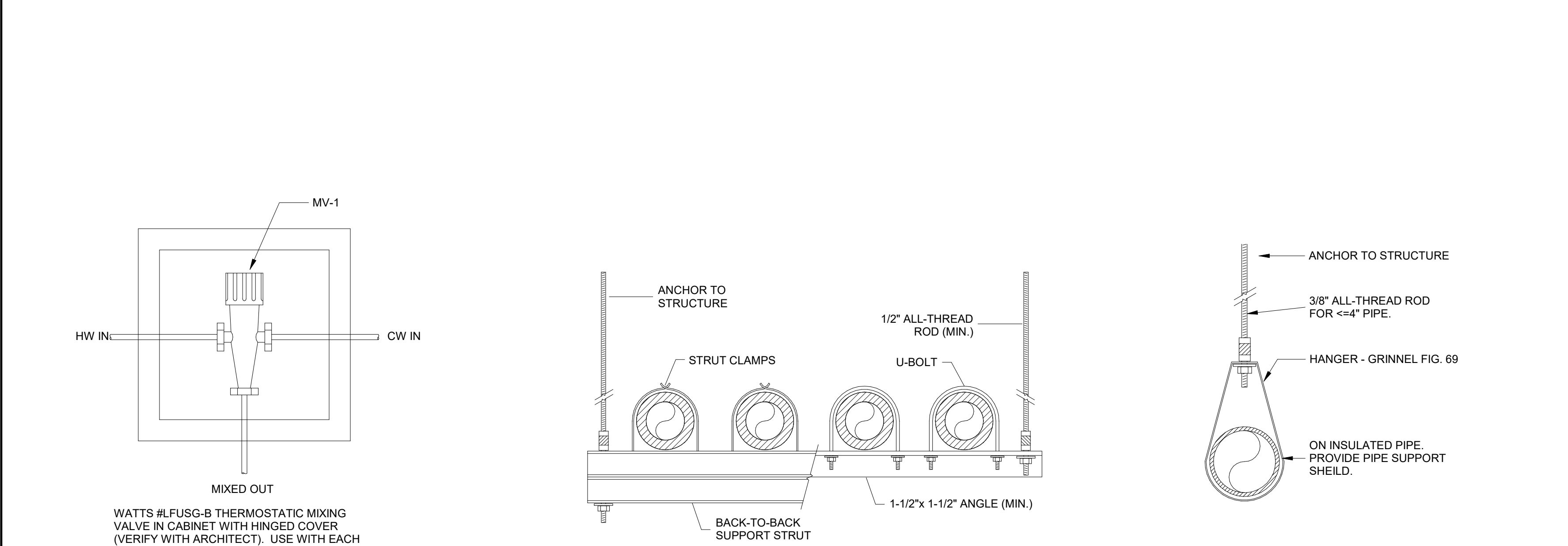
- NOTES:
- WALL HUNG PLUMBING FIXTURES SHALL BE SUPPORTED USING ADJUSTABLE CONCEALED ARM FLOOR MOUNTED SUPPORTS WITH RECTANGULAR STRUCTURAL STEEL UPRIGHTS UTILIZING HEAVY-DUTY CAST-IRON FEET BOLTED TO THE FLOOR AND CAST IRON SUPPORT HEADERS.
 - CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND LOCATIONS OF ALL PLUMBING FIXTURES INCLUDING HANDICAPPED (ADA) FIXTURES. CONTRACTOR SHALL COORDINATE ADA REQUIREMENTS WITH ARCHITECT PRIOR TO INSTALLATION OF PLUMBING FIXTURES.
 - FLUSH VALVE FOR THE HANDICAPPED PLUMBING FIXTURES SHALL BE INSTALLED WHERE THE HANDLE FACES INTO THE OPEN AREA WITHIN THE STALL. (TOWARDS THE CENTER OF STALL)
 - CONTRACTOR SHALL PROVIDE FLEXIBLE MOLDED INSULATION SIMILAR TO TRUEBRO "LAV GUARD" ON P-TRAPS, WATER SUPPLIES AND VALVES SERVING ADA PLUMBING FIXTURES. CONTRACTOR SHALL PROVIDE OFFSET P-TRAPS ON ADA FIXTURES.
 - CONTRACTOR SHALL INSTALL ALL PLUMBING FIXTURES SHOWN ON THE ARCHITECTURAL, KITCHEN, PLUMBING AND OWNER FURNISHED DRAWINGS.
 - CONTRACTOR SHALL FURNISH AND INSTALL ON EACH PLUMBING FIXTURE CHROME PLATED BRASS P-TRAP, NIPPLES WITH ESCUTCHEON, CHROME PLATED BRASS ANGLE SUPPLIES WITH ALL METAL CONSTRUCTION CHROME PLATED FLEXIBLE BRASS RISERS WITH NIPPLES AND CHROME PLATED BRASS ESCUTCHEONS WITH CAST SET SCREW.
 - CONTRACTOR SHALL PROVIDE ALL NECESSARY FITTINGS, PIPING, SUPPORTS, ETC. TO INSTALL EACH PLUMBING FIXTURE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND TO COMPLY WITH CITY, STATE, ADA AND TAS CODES AND STANDARDS.

ELECTRIC WATER HEATER SCHEDULE									
DESIG.	MANUFACTURER	MODEL NUMBER	STORAGE GALLONS	RECOVERY RATE G.P.H.	TEMP RISE	LEAVING WATER TEMP	KW	VOLTAGE	PHASE
EW1	A. O. SMITH	DEL-40	40	41	100°F	140°F	10	208	3∅
EW2	A. O. SMITH	DEL-30	30	24	100°F	140°F	6	208	3∅

- NOTES:
- INSTALL WATER HEATER PER MANUFACTURER'S INSTRUCTIONS.
 - CONTRACTOR SHALL PROVIDE BALL VALVES AND DIELECTRIC UNIONS AT WATER HEATER CONNECTIONS.
 - CONTRACTOR SHALL PROVIDE T&P RELIEF VALVE, DRAIN VALVE AND EMERGENCY OVERFLOW DRAIN PAN FOR WATER HEATER. T&P AND OVERFLOW DRAINS SHALL DISCHARGE INTO NEAREST OPEN SIGHT DRAIN.

DOMESTIC HOT WATER CIRCULATOR SCHEDULE									
DESIG.	MANUFACTURER	MODEL NUMBER	HEAD FT.	GPM	H.P.	VOLTAGE	PHASE	DESCRIPTION / REMARKS	
RP	ARMSTRONG COMPASS	2020SS	15	1	1/6	115 V	1∅	SEE NOTES 1,2,3	

- NOTES:
- CONTRACTOR SHALL INSTALL PUMP PER MANUFACTURER'S INSTRUCTIONS. DO NOT MOUNT MOTOR SHAFT IN VERTICAL POSITION.
 - CONTRACTOR SHALL PROVIDE TIMER, ADJUSTATS, AND THERMOSTAT CONTROL OF PUMP. REFER TO DETAIL.
 - PUMP HOUSING (VOLUTE) SHALL BE BRONZE. THE PUMP IMPELLER SHALL BE 30% GLASS FILLED PES COMPOSITE MATERIAL.



6 TEMPERING VALVE

SCALE: N.T.S.

5 TRAPEZE PIPE HANGER

SCALE: N.T.S.

4 PIPE HANGER

SCALE: N.T.S.

3 WALL CLEANOUT

SCALE: N.T.S.

2 TWO-WAY CLEANOUT

SCALE: N.T.S.

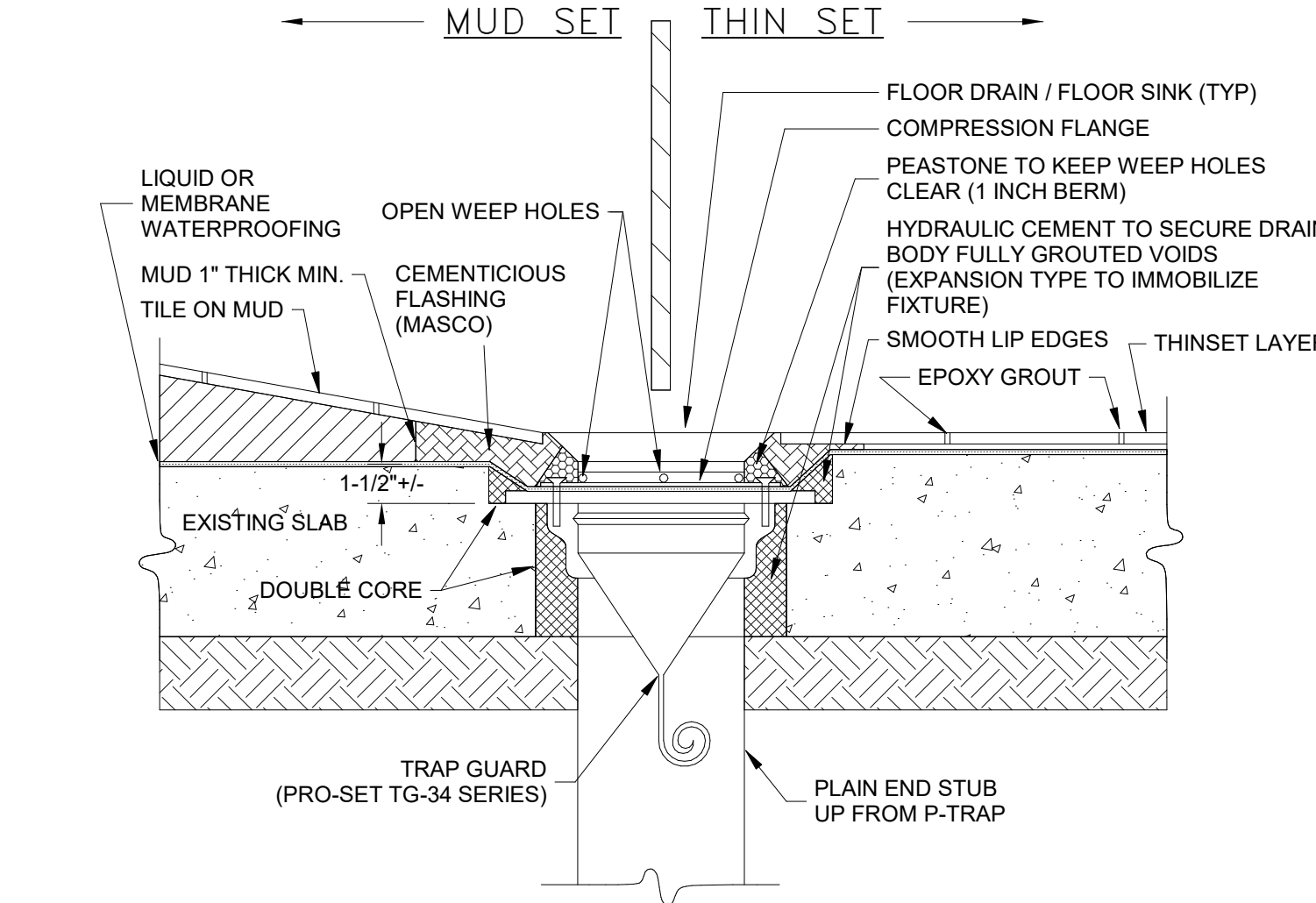
1 CLEANOUT

SCALE: N.T.S.

10 RV WATER CONNECTION

SCALE: N.T.S.

ALL FLOOR DRAINS & FLOOR SINKS TO BE B-I-LEVEL

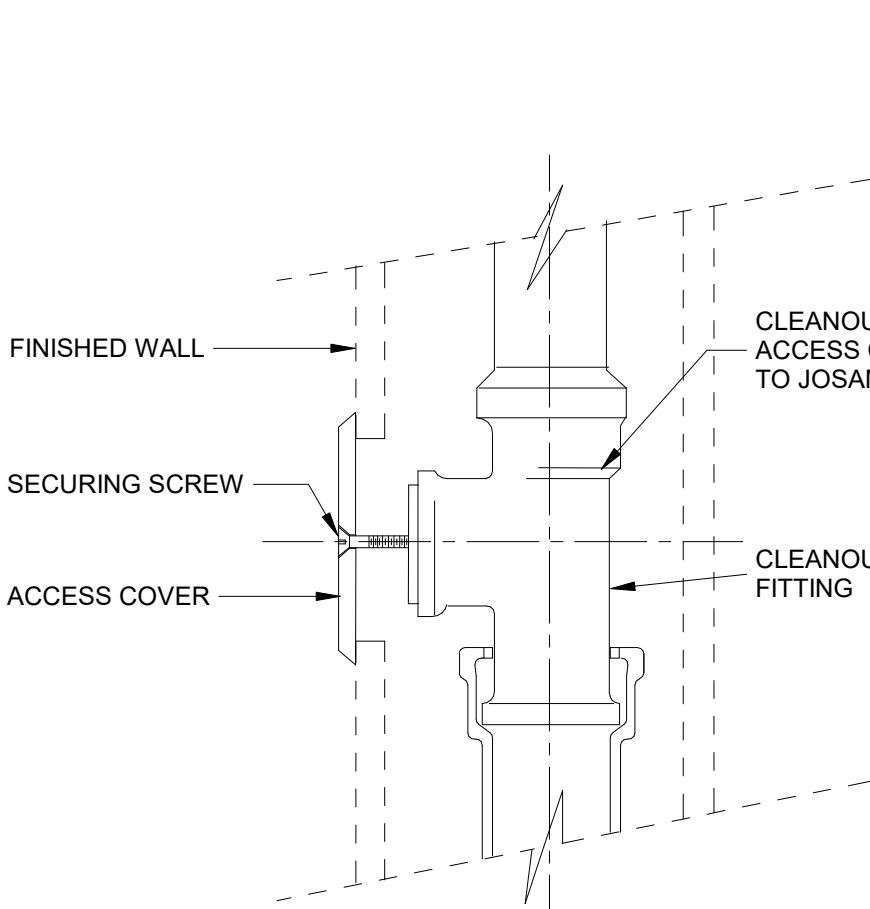


- FLOOR/TILE REQUIREMENTS:
- WATERPROOFING INTO LOWER DRAIN SKIRT
 - PEA-STONE @ WEEPS FOR DRAINAGE (1" BERM)
 - CEMENTICIOUS FLASHING @ DRAIN EDGING (MASCOC)
 - POSITIVE PITCH TO ALL AREA DRAINS, NO PUDDLING
 - FULL WATER TEST AT ALL AREAS

- PLUMBING REQUIREMENTS:
- 4 BAND CLAMPS (ALL WET PIPES)
 - DOUBLE-CORE & GROUTED SOLID (ENTIRE SLAB)
 - B-I-LEVEL DRAINS & FLOOR SINKS W/ WEEP HOLES
 - INCLUDES TROUGH DRAINS - SEE DETAIL
 - ROUND FLOOR SINKS (NOT SQUARE)
 - CAULK OR INSULATE @ LOWER FORM BLOCKING

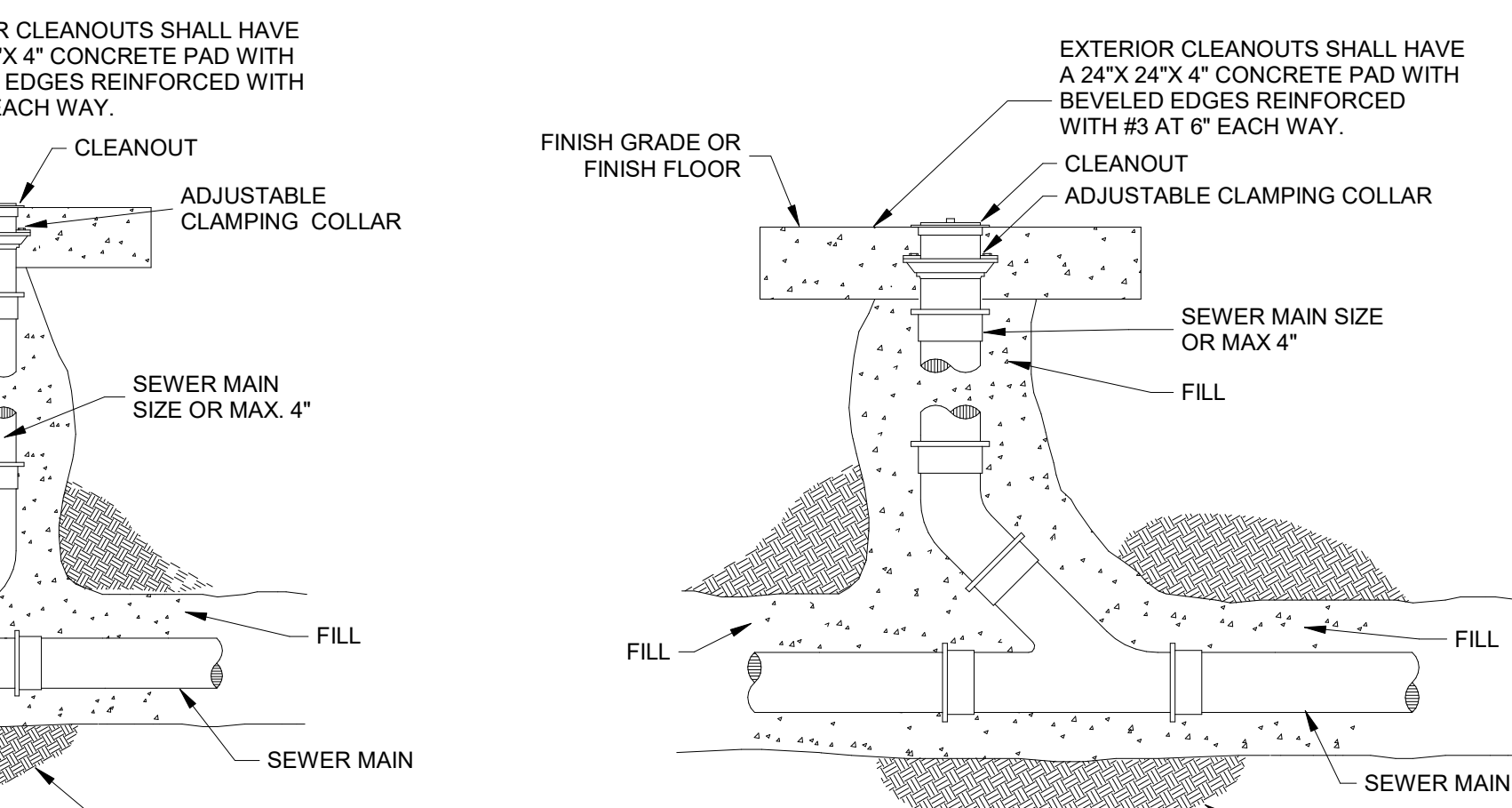
8 FIXED DRAIN WITH TRAP GUARD

SCALE: N.T.S.



7 ELECTRIC WATER HEATER

SCALE: N.T.S.



9 REDUCED PRESSURE BACKFLOW PREVENTER

SCALE: N.T.S.

REDUCED PRESSURE BACKFLOW PREVENTER



11 RV SEWER CONNECTION

SCALE: N.T.S.

