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ARCHITECT-OF-RECORD:

SFS ARCHITECTURE
2100 CENTRAL, SUITE 31
KANSAS CITY MISSOURI 64108

O: 816.474.1397
F: 816.421.8024

CIVIL ENGINEER:

DARREN KREHBIEL CONSULTANTS, LLC
63 BLAIR AVENUE
CAMDENTON MISSOURI 65020

O: 573.346.5316

STRUCTURAL ENGINEER:

STAND STRUCTURAL ENGINEERING
8234 ROBINSON STREET
OVERLAND PARK KANSAS 66204

O: 913.214.2169

M/E/P/E ENGINEER:

PKMR
13300 W 98TH STREET
LANEXA KANSAS 66215

O: 913.492.2400

OWNER:

CITY OF CAMDENTON MISSOURI
CITY HALL
437 W. US HIGHWAY 54
CAMDENTON MISSOURI 65020

O: 573.346.3600

181012

04.05.21

100% CDS





PROJECT INFORMATION
 PROJECT NAME: Camdenton Community Center
 OWNER: City of Camdenton
 LOCATION: 1205 N Business Route 5, Camdenton, MO 65020
 DESCRIPTION: New construction of a community center consisting of a single gymnasium, multi-purpose spaces, elevated walking track, fitness area, administration offices, lobby and support spaces.

APPLICABLE DESIGN BUILDING CODES AND STANDARDS
 2018: INTERNATIONAL BUILDING CODE (IBC)
 2017: NATIONAL ELECTRIC CODE (NEC)
 2018: INTERNATIONAL FUEL GAS CODE (IFGC)
 2018: INTERNATIONAL PLUMBING CODE (IPC)
 2018: INTERNATIONAL MECHANICAL CODE (IMC)
 2018: INTERNATIONAL PROPERTY MAINTENANCE CODE (IPMC)
 2018: EXISTING BUILDING CODE
 2018: INTERNATIONAL FIRE CODE
 ICC A117.1-2017 ACCESSIBLE AND USABLE BUILDINGS AND STRUCTURES
 2010 ADA ACCESSIBILITY GUIDELINES (ADAAG)
 NFPA 101: LIFE SAFETY CODE

PROJECT DATA SUMMARY
 OCCUPANCY CLASSIFICATION: A-3 (Assembly)
 CONSTRUCTION TYPE: IIB - non combustible steel
 ALLOWABLE AREA: Type IIB (A-3) SM 28,500 SF
 ALLOWABLE HEIGHT: 75 ft. or 3 stories w/ sprinklers
 ZONING: C-2
 SPRINKLER SYSTEM PROVIDED: YES
 TOTAL OCCUPANTS: 563

INCIDENTAL USE AREAS - SEPARATION PROTECTION REQUIREMENTS (TABLE 509)
 THE FOLLOWING INCIDENTAL USE AREAS SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING BY CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE AND BY CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF FIRE OR PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM.
 MECHANICAL ROOMS, WHERE ANY PIECE OF EQUIPMENT IS OVER 400,000 BTU/HR OUTPUT OR BOILERS OVER 15 PSI 10 HP.

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HRS) - (TABLE 601)
 STRUCTURAL FRAME (COLUMNS, GIRDERS, BEAMS, TRUSSES SPANDRELS) 0 HRS
 BEARING WALLS (EXTERIOR): 0 HRS
 BEARING WALLS (INTERIOR): 0 HRS
 NON-BEARING WALLS (EXTERIOR): 0 HRS
 NON-BEARING WALLS (INTERIOR): 0 HRS
 FLOOR CONSTRUCTION (BEAMS, JOISTS, DECKING): 0 HRS
 ROOF CONSTRUCTION (BEAMS, JOISTS, DECKING): 0 HRS
 STAIR ENCLOSURE: 0 HR
 SPACE UNDER STAIRS: 0 HR
 ELEVATOR HOISTWAYS: 1 HR

FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (HRS) (TABLE 602)
 USE GROUP: A
 FIRE SEPARATION DISTANCE IN FEET (HRS): 10' ≤ ACTUAL: 26'-2" < 30' = 0 HRS RATING

OCCUPANCY LOAD CRITERIA (SEE CODE PLANS FOR OCCUPANCY AND EGRESS PLAN CALCULATIONS)

ASSEMBLY SPACES (for EGRESS CALCS): 75F NET / OCC. (CONCENTRATED - MOVEABLE CHAIRS)
 ASSEMBLY SPACES (for PLUMBING FIXTURE CALCS): 155F NET / OCC. (UNCONCENTRATED - TABLES AND CHAIRS)
 BUSINESS AREAS: 100SF GROSS / OCC.
 LOCKER ROOMS: 50SF GROSS / OCC.
 EXERCISE ROOMS: 50SF GROSS / OCC.
 KITCHENS: 200SF GROSS / OCC.
 ACCESSORY STORAGE AREAS: 300SF GROSS / OCC.
 MECHANICAL EQUIPMENT ROOM: 300SF GROSS / OCC.

EGRESS WIDTH PER OCCUPANT SERVED
 STAIRWAYS (INCHES / OCCUPANT): 0.2"
 50" WIDE STAIR (56" CLEAR) = 280 MAX OCCUPANTS

OTHER EGRESS COMPONENTS (INCHES / OCCUPANT): 0.15"
 36" DOOR (33" clear) = 220 MAX OCCUPANTS
 72" DOOR (68" clear) = 453 MAX OCCUPANTS

COMMON PATH OF EGRESS TRAVEL
 OCCUPANCY - A: 75'

EXIT ACCESS TRAVEL DISTANCE
 OCCUPANCY - A: 250'

NUMBER OF EXITS PER OCCUPANT LOAD
 1 EXITS: 49 MAX.
 2 EXITS: 1,500
 3 EXITS: 501-1,000
 4 EXITS: GREATER THAN 1000

NOTE: SEPARATION DISTANCE OF EXIT DOORS OR EXIT ACCESS SHALL NOT BE LESS THAN 1/3 THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION.

MINIMUM CORRIDOR WIDTH
 THE MINIMUM CORRIDOR WIDTH SHALL BE AS DETERMINED BY THE NUMBER OF OCCUPANTS SERVED, BUT NOT LESS THAN 44"; OR 36" CLEAR WITH A REQUIRED CAPACITY OF LESS THAN 50.

DEAD ENDS
 20' IN LENGTH

PLUMBING CODE REVIEW
 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES:

OCCUPANCY TYPE: A-3
WATER CLOSETS REQ. (MALE): 1 PER 125
WATER CLOSETS REQ. (FEMALE): 1 PER 65
LAVATORIES REQ. (M / F): 1 PER 200
DRINKING FOUNTAINS: 1 PER 500
SERVICE SINKS: 1

TOTAL OCCUPANTS: 563

OCC.	PEOPLE	W/Cs REQ. / PROVIDED	URINALS REQ. / PROVIDED	LAVS REQ. / PROVIDED	DRINKING FOUNTAINS REQ. / PROVIDED
M:	281	3 / 4	- / 2	2 / 4	- / -
W:	282	5 / 7	- / 2	2 / 5	- / -
TOTAL:	563	8 / 11	- / 2	4 / 9	2 / 2

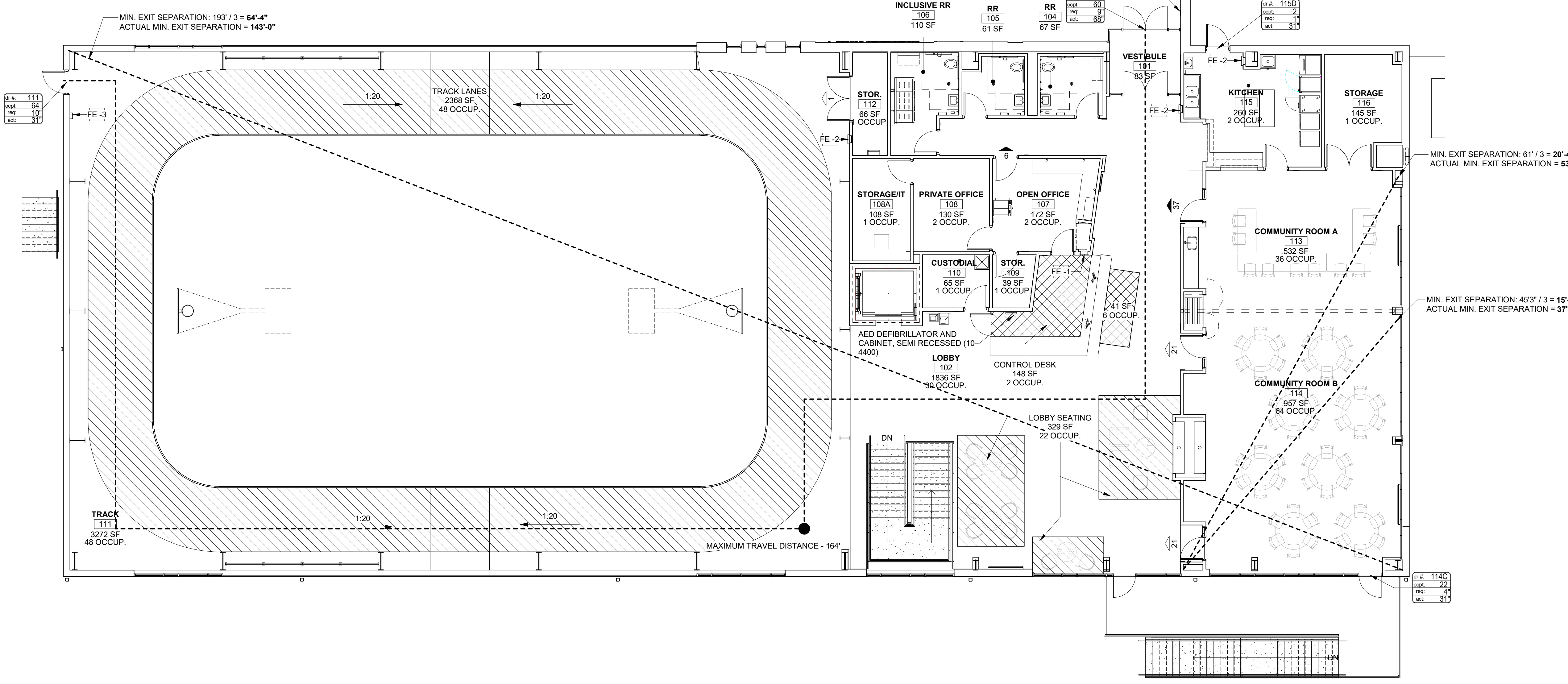
CODE PLAN LEGEND

□ NEW CONSTRUCTION
 CMB/UP COMBINED EXIT LOAD (PERSON)
 IND/UP INDIVIDUAL ROOM EXIT LOAD (PERSON)

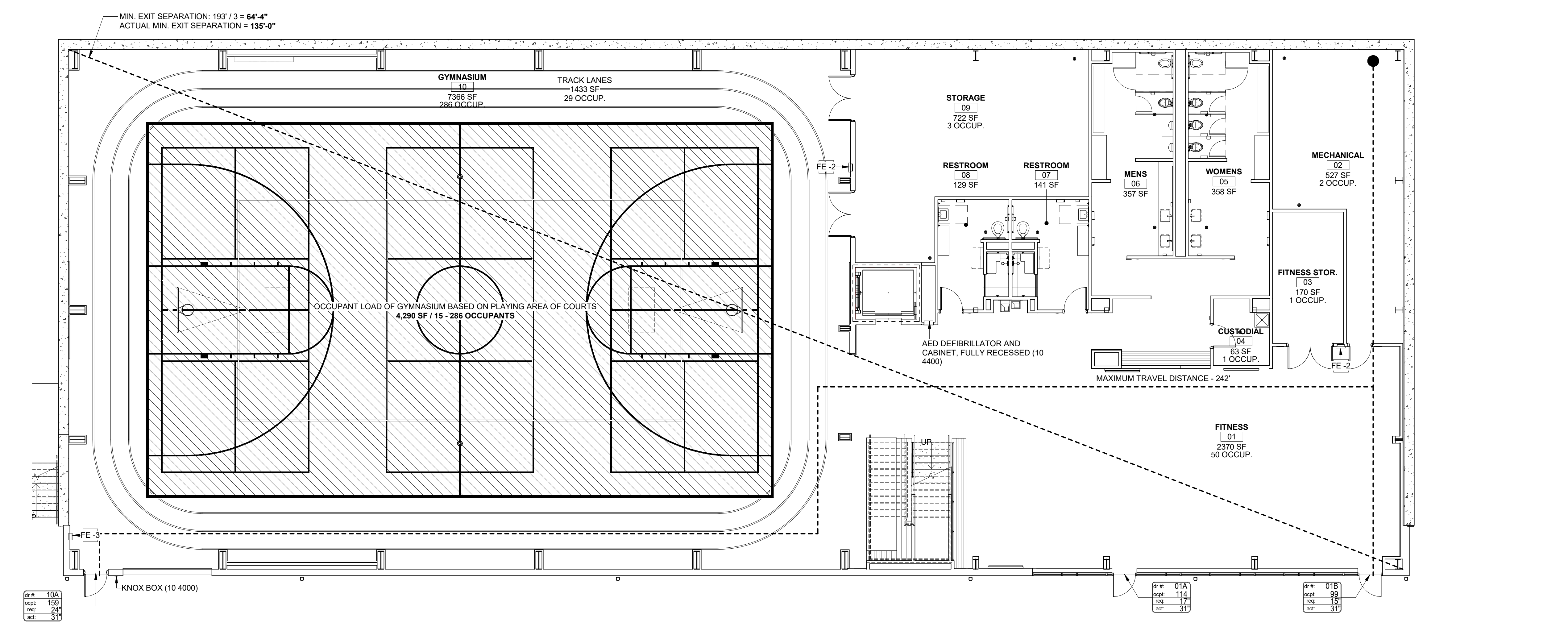
1 HR FIRE RATED SEPARATION
 ROOM NAME
 ROOM NUMBER
 SQUARE FEET / OCCUPANT LOAD
 NUMBER OF OCCUPANTS

FE-# FIRE EXTINGUISHER AND CABINET TYPE DESIGNATION. PORTABLE FIRE EXTINGUISHERS ARE REQUIRED TO BE INSTALLED IN ACCORDANCE WITH NFPA 10. REFER TO SECTION 104413 OF THE PROJECT MANUAL FOR CABINETS AND EXTINGUISHER TYPES.

DOOR NUMBER
 OCCUPANT EGRESS
 EGRESS WIDTH REQUIRED
 EGRESS WIDTH PROVIDED



2 CODE PLAN - MAIN LEVEL
 G002 1/8" = 1'-0"



1 CODE PLAN - COURT LEVEL
 G002 1/8" = 1'-0"

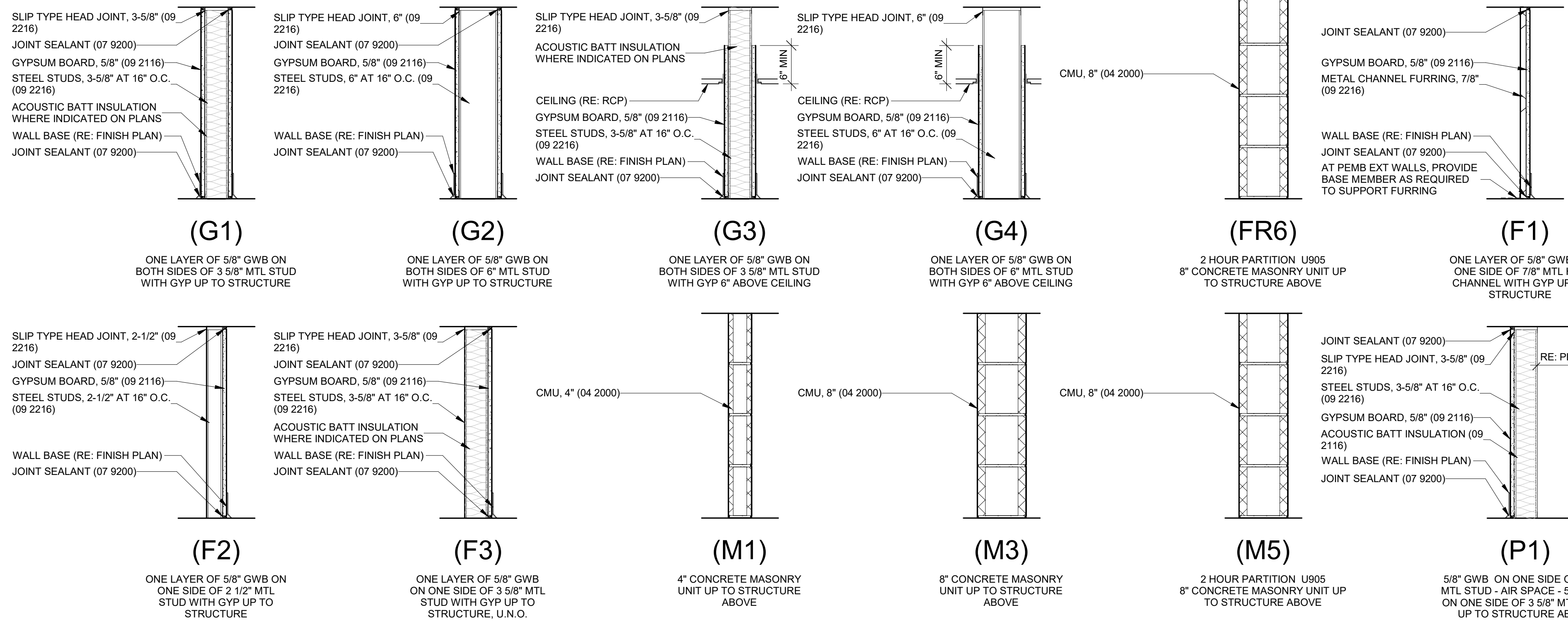
GA FILE NO. FC 4490 **GENERIC**

STEEL CHANNEL JOISTS, GYPSUM WALLBOARD

Base layer 1/2" type X gypsum wallboard applied at right angles to channel shaped steel joists 24" o.c. with 1 1/4" Type S drywall screws 24" o.c. Face layer 1/2" type X gypsum wallboard or gypsum veneer base applied at right angles to joists with 1 7/8" Type S drywall screws 12" o.c. at joints and intermediate joists and 1 1/2" Type G drywall screws 12" o.c. placed 2" back on either side of end joints. Joints offset 24" from base layer joints. Steel joists supporting 1/2" wood structural panels applied at right angles to joists with screws. Ceiling provides one hour fire resistance protection for framing.

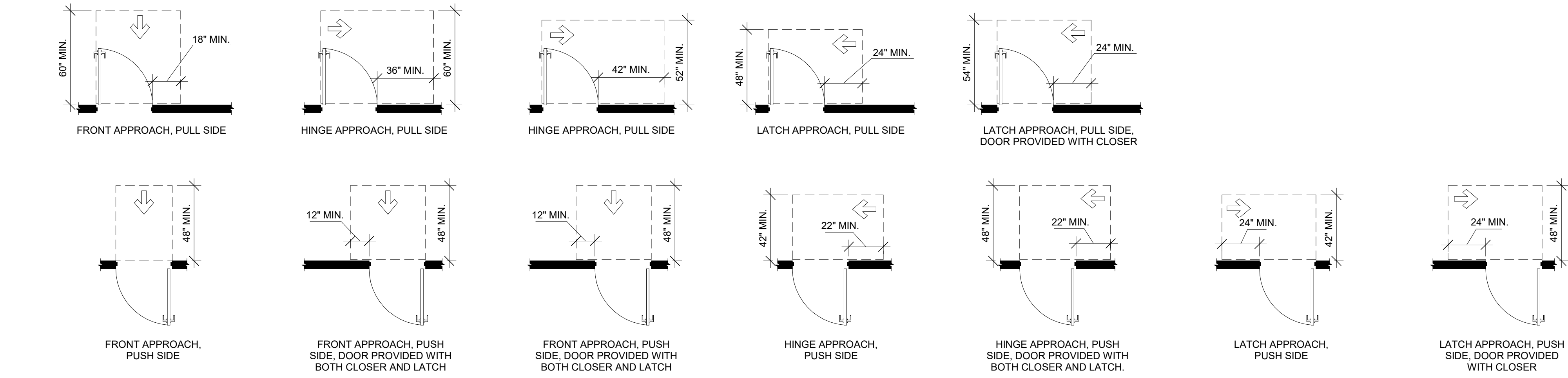
1 HOUR FIRE	35 to 39 STC SOUND
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Approx. Ceiling Weight: 5 psf
Fire Test: FM FC 172, 2-25-72; ITS, 8-6-98
Sound Test: Estimated



- GENERAL NOTES - PARTITIONS**
- REFER TO PARTITION TYPE SYMBOLS ON FLOOR PLANS.
 - REFER TO CODE PLAN FOR MINIMUM REQUIRED FIRE RATING IN HOURS.
 - PARTITION TYPES DO NOT INDICATE WHICH SIDE FINISH MATERIALS ARE APPLIED. REFER TO FINISH PLAN.
 - REFER TO THE PROJECT MANUAL FOR MINIMUM GAGE STUDS, RUNNERS, FURRING CHANNELS, MISC. ANGLES & CLIPS.
 - FIRE RATED WALLS SHALL MAINTAIN FIRE RATING AS SCHEDULED CONTINUOUSLY TO UNDERSIDE OF SLAB OR ROOF DECK.
 - PARTITIONS ARE DIMENSIONED TO THE FACE OF THE GYPSUM/VENEER/BACKER BOARD - NOT APPLIED FINISH MATERIAL (i.e. VENEER, CERAMIC TILE, ETC.).
 - COORDINATE THE LOCATION OF FIRE RATED PARTITIONS WITH CODE PLANS.
 - REFER TO STRUCTURAL DRAWINGS FOR REINFORCING OF ALL MASONRY PARTITIONS, INCLUDING TOP OF WALL ANCHORING, AND DESIGN OF LOAD BEARING PARTITIONS. HOLD ALL GYPSUM BOARD 1/2" ABOVE CONCRETE SLAB TO AVOID WICKING ACTION.
 - CONTRACTOR TO PROVIDE FIRE RETARDANT BLOCKING IN FIRE RATED WALLS AS NECESSARY TO MOUNT FIXTURES, RAILS, MILLWORK, AND ACCESSORIES PER MANUFACTURER'S RECOMMENDATIONS TO MEET APPLICABLE BUILDING CODES. WHERE MASONRY CONSTRUCTION IS INDICATED, CONTRACTOR TO PROVIDE ANCHORS INTO MASONRY AND GROUT CELLS FULL AS REQUIRED TO MOUNT FIXTURES AND ACCESSORIES PER MANUFACTURER'S RECOMMENDATIONS.
 - FIRE STOPPING IS REQUIRED AT: A. ALL PENETRATIONS THROUGH FIRE AND SMOKE RESISTIVE FLOOR AND ROOF CONSTRUCTION; B. ALL VOIDS AND JOINTS AT TOP AND BOTTOM OF ALL FIRE AND SMOKE RESISTIVE WALLS AND PARTITIONS; C. CONTROL AND EXPANSION JOINTS IN ALL FIRE RESISTIVE FLOOR AND ROOF CONSTRUCTION.
 - SMOKE RESISTIVE WALLS AND PARTITIONS AND FIRE RESISTIVE FLOOR AND ROOF CONSTRUCTION SHALL BE SQUARE UNIT WITH BULLNOSE ABOVE.
 - WHERE INTERIOR MASONRY IS TO BE EXPOSED, BULLNOSE CORNER UNITS TO BE USED. STARTER COURSE TO BE SQUARE UNIT WITH BULLNOSE ABOVE.
 - WHERE MASONRY CONSTRUCTION IS INDICATED, CONTRACTOR SHALL COORDINATE LOCATION, SIZE, TYPE, AND SPACING OF ALL MASONRY ANCHORS AND REINFORCEMENT WITH STRUCTURAL DRAWINGS.
 - WHERE GYPSUM BOARD IS INDICATED TO BE INSTALLED AT WET LOCATIONS, INCLUDING BUT NOT LIMITED TO TOILETS AND JANITOR'S CLOSETS, MOISTURE AND MOLD-RESISTANT GYPSUM BOARD SHALL BE PROVIDED.
 - FOR WALL TYPES WHERE A UL LISTING IS INDICATED, REFERENCE LISTING FOR FULL ASSEMBLY REQUIREMENTS FOR ALL METAL STUD WALL TYPES. REFER TO FLOOR PLANS FOR WHERE ACOUSTIC BATT INSULATION IS DESIRED.

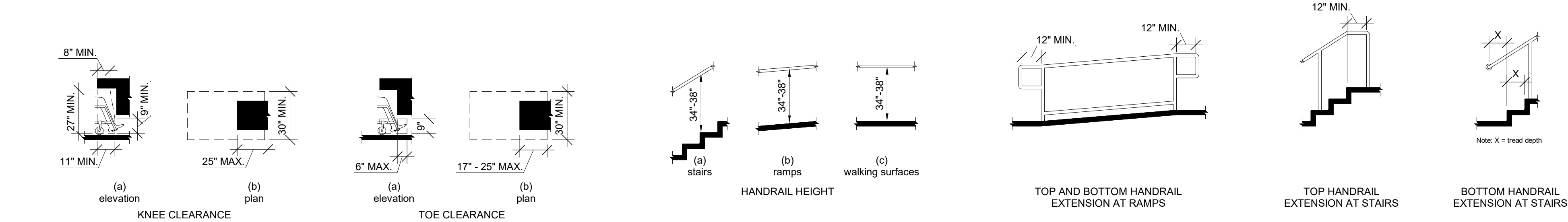
1 RATED CEILING AT ELEVATOR SHAFT
G003 12" = 1'-0"



LEGEND - TYPICAL ADA DOOR CLEARANCES
1/4" = 1'-0"

LEGEND - TYPICAL ADA TURNING CLEARANCES
1/4" = 1'-0"

LEGEND - TYPICAL ADA REACH RANGES
1/4" = 1'-0"



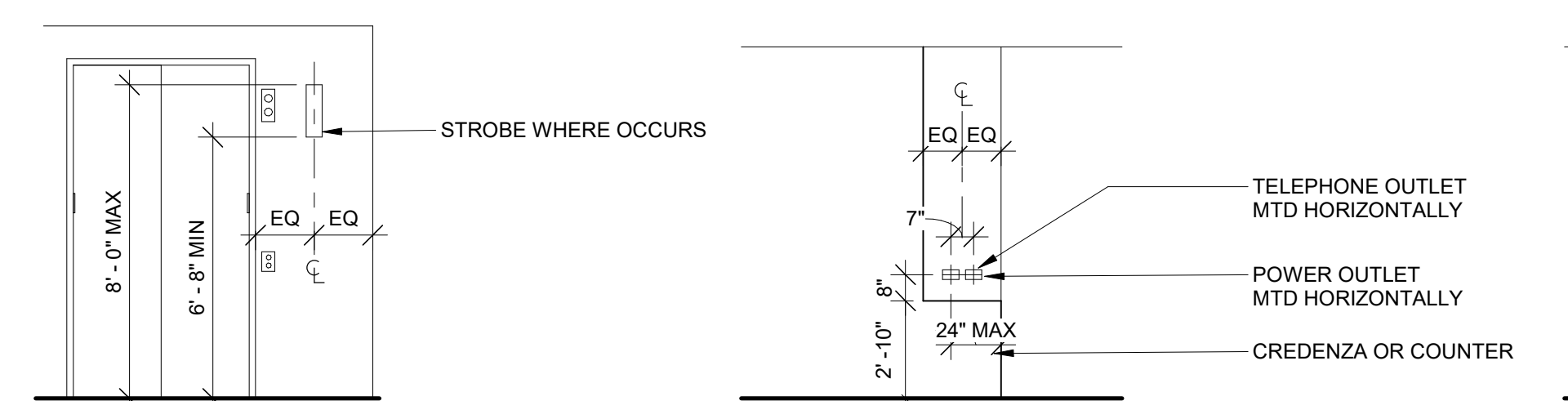
LEGEND - TYPICAL ADA LEG CLEARANCES
1/4" = 1'-0"

LEGEND - TYPICAL ADA HANDRAIL HEIGHTS AND EXTENSIONS
1/4" = 1'-0"

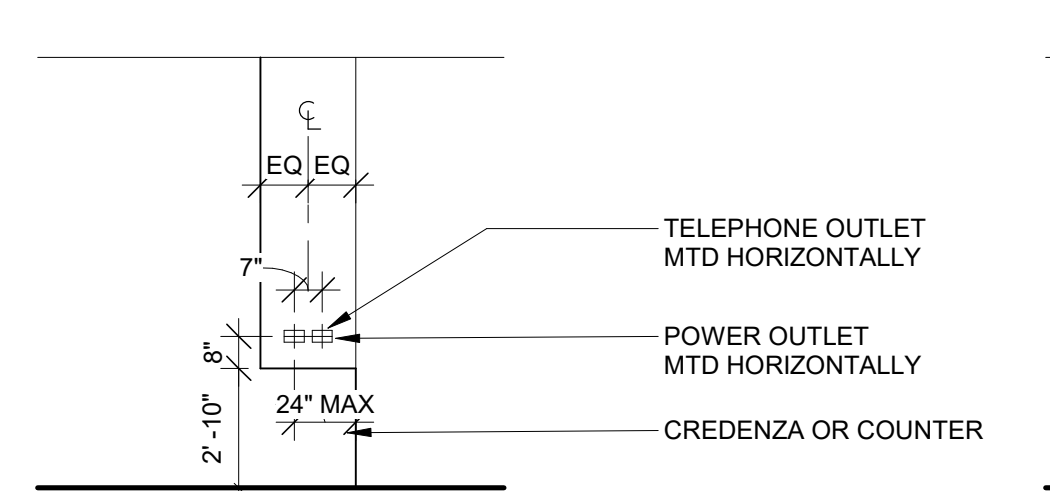
LEGEND - TYPICAL ADA RAILING EDGE PROTECTION
1/4" = 1'-0"

LEGEND - TYPICAL ADA HANDRAIL CLEARANCES
1/4" = 1'-0"

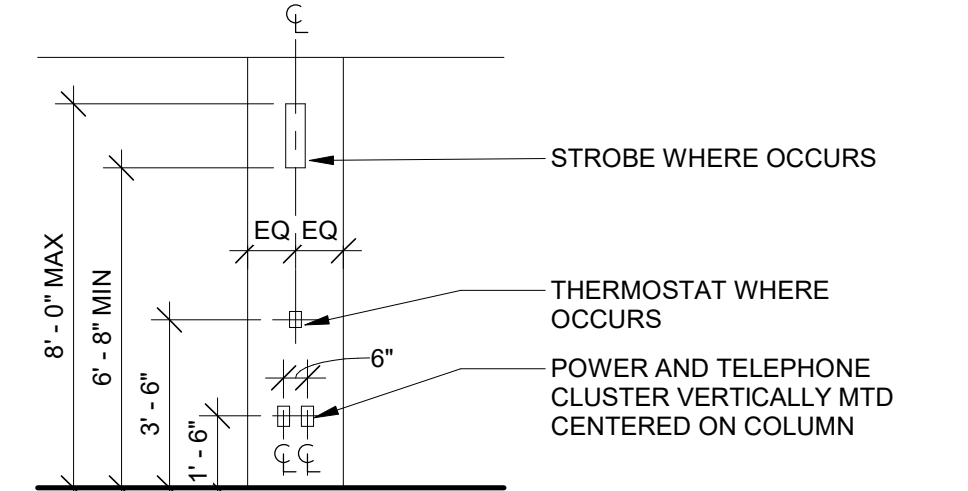
LEGEND - TYPICAL MOUNTING HEIGHTS AND LOCATIONS FOR DEVICES AND SIGNAGE



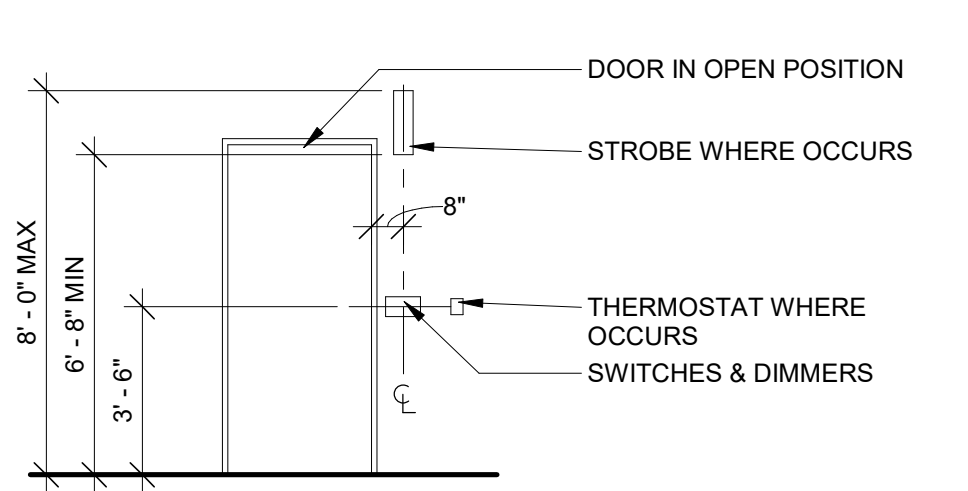
19 LOCATIONS at FREIGHT ELEVATORS STROBES



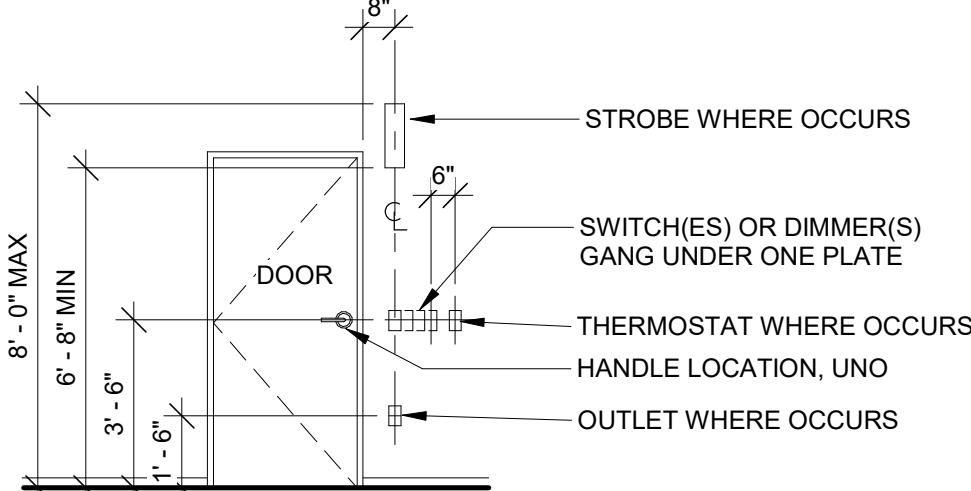
13 LOCATIONS at CREDENZAS or COUNTERS OUTLETS



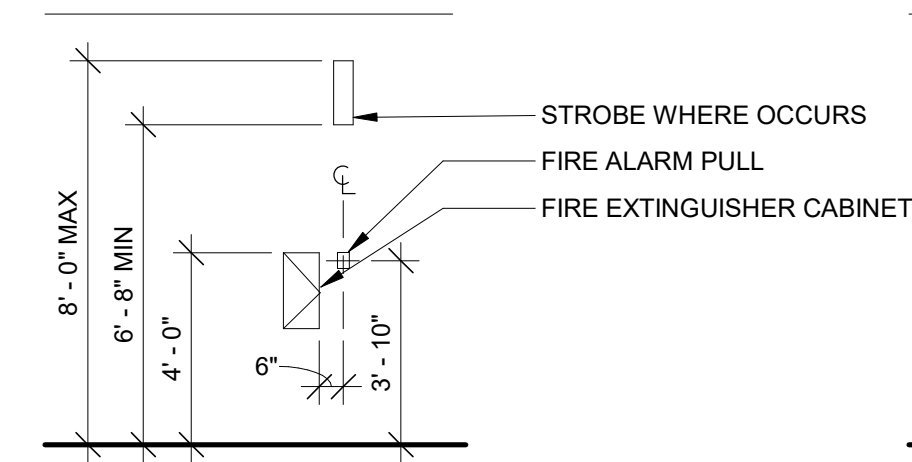
7 LOCATIONS at COLUMNS, BETWEEN DOORS, ETC. OUTLET GROUPS, STROBES and THERMOSTATS



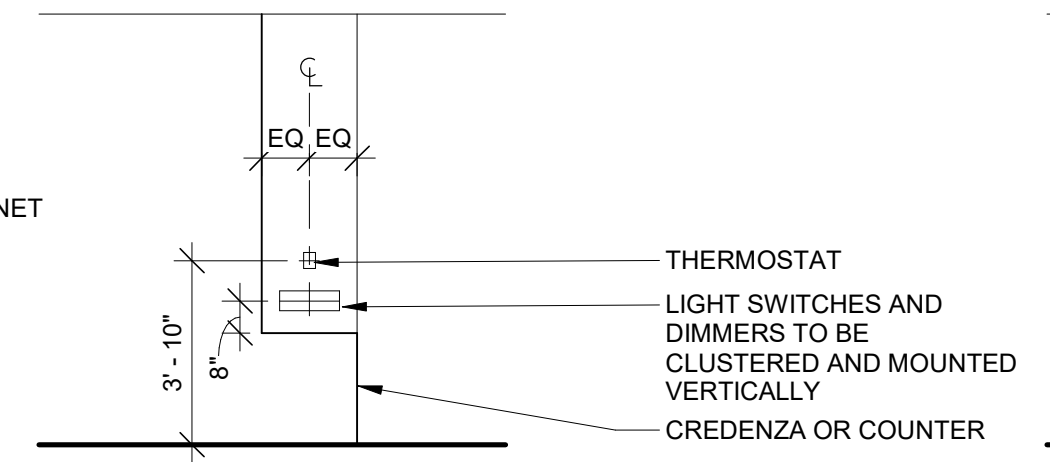
5 LOCATIONS at OPEN DOORS SWITCHES, STROBES and THERMOSTATS



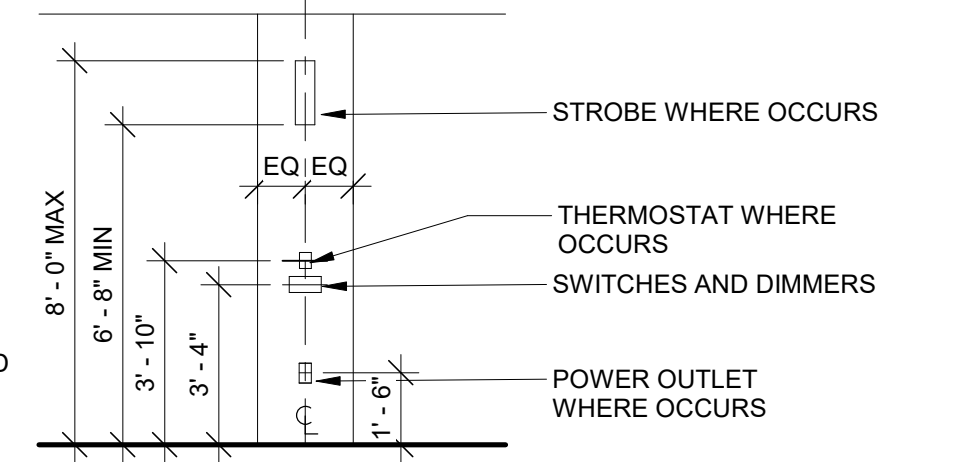
1 LOCATIONS at DOOR JAMBS SWITCH and THERMOSTAT



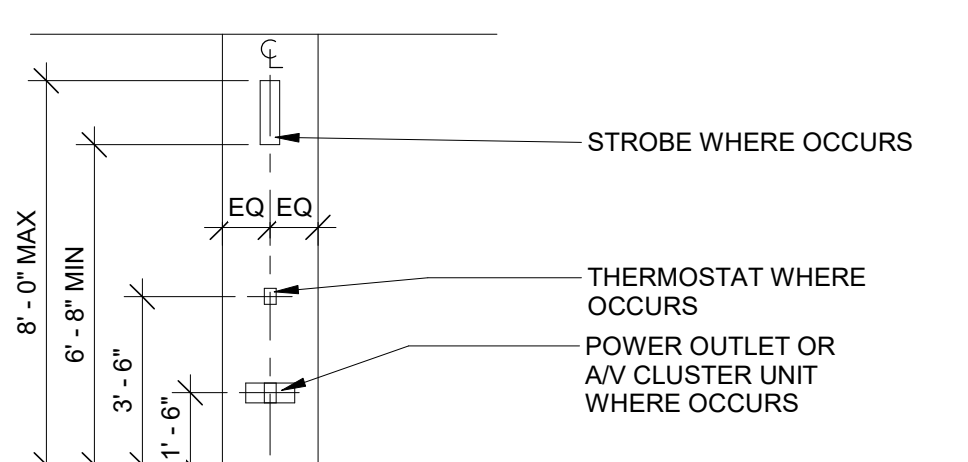
20 LOCATIONS at FIRE EXTINGUISHER CABINET STROBES and FIRE ALARM PULLS



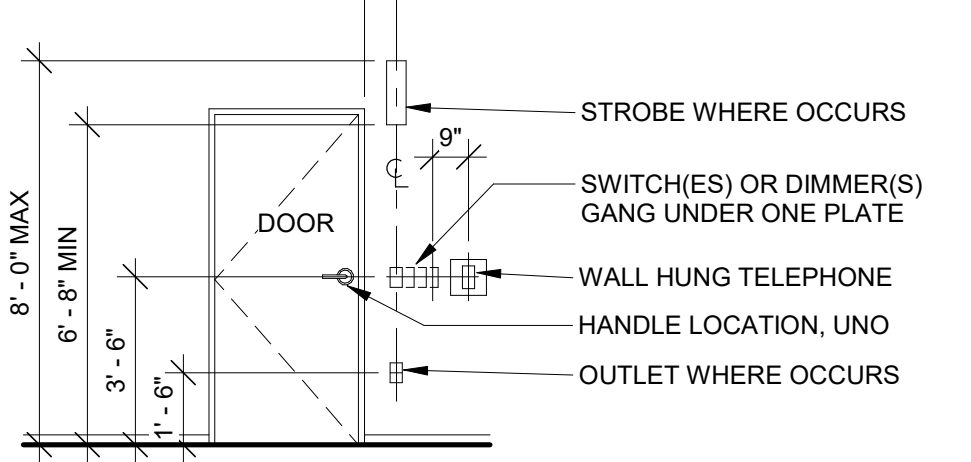
14 LOCATIONS at CREDENZAS or COUNTERS SWITCHES and THERMOSTATS



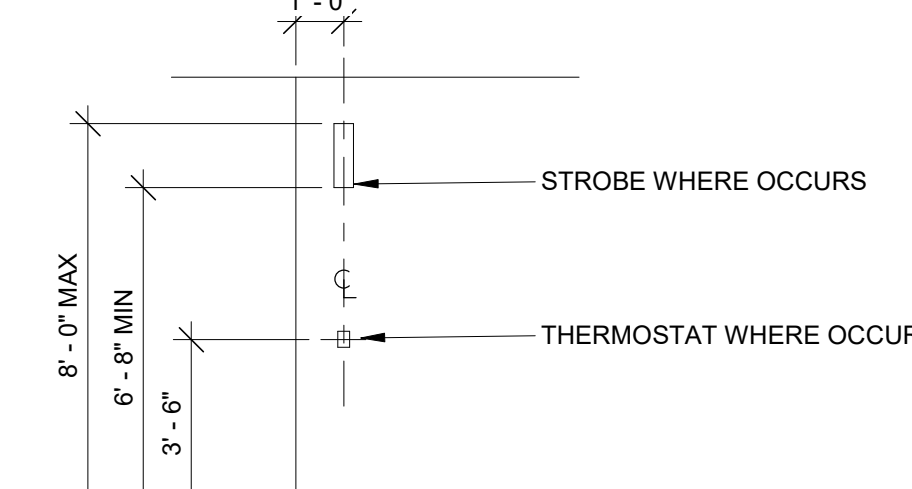
8 LOCATIONS at COLUMNS, BETWEEN DOORS, ETC. SWITCHES, STROBES and THERMOSTATS



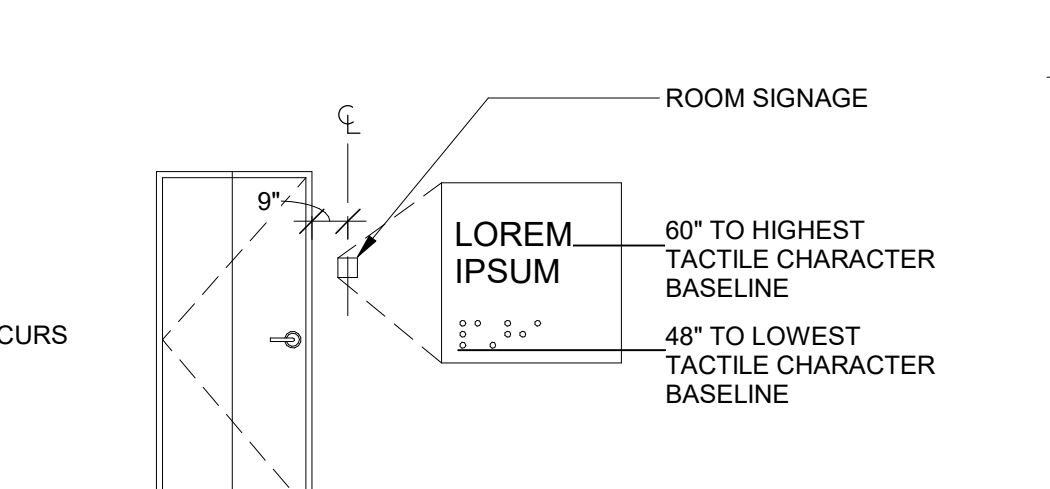
6 LOCATIONS at COLUMNS, BETWEEN DOORS, ETC. OUTLETS, STROBES and THERMOSTATS



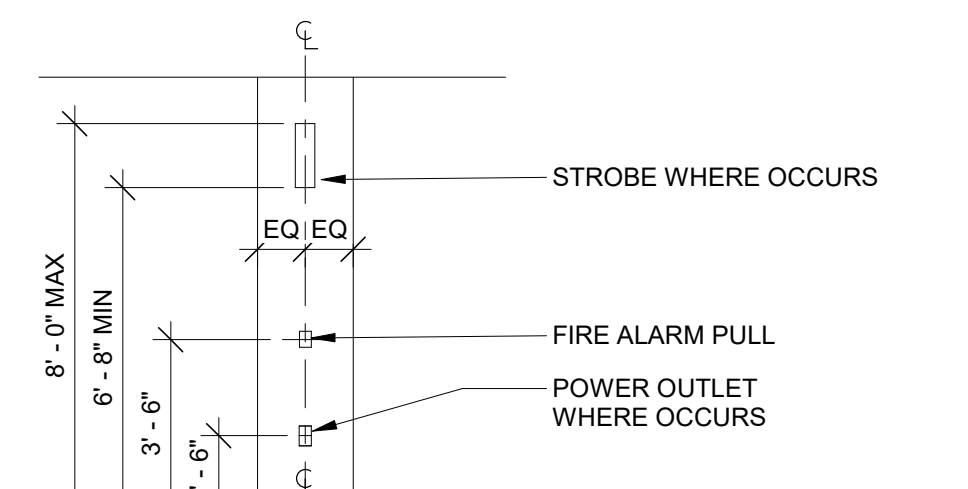
2 LOCATIONS at DOOR JAMBS SWITCH and TELEPHONE



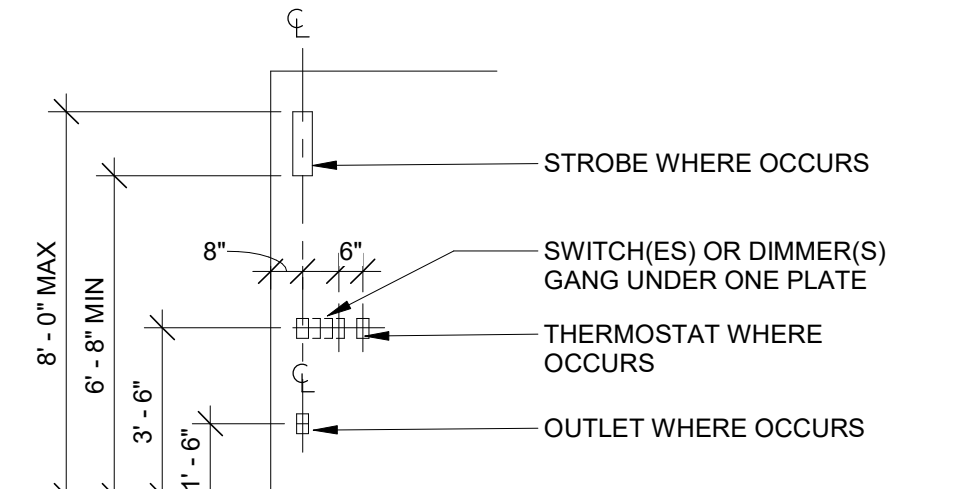
21 LOCATIONS at CORNERS with STROBES and THERMOSTATS



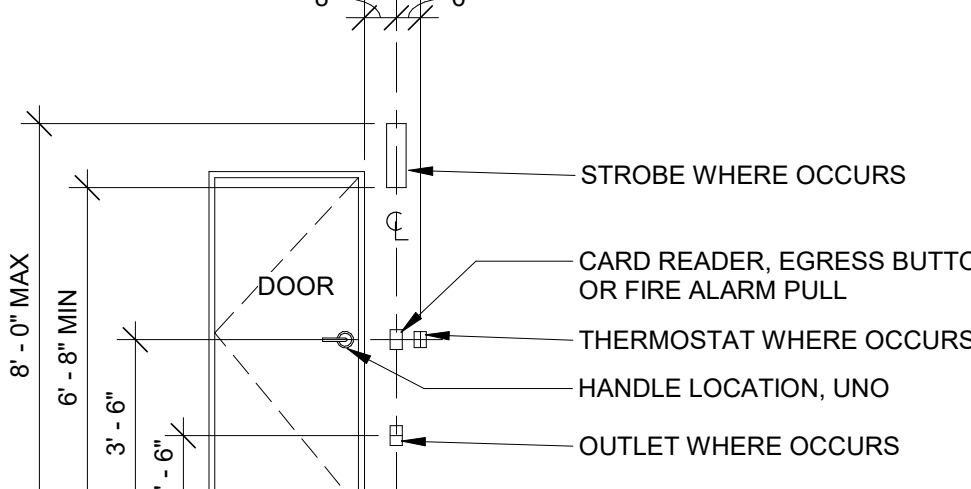
15 LOCATION FOR TYPICAL SIGNS



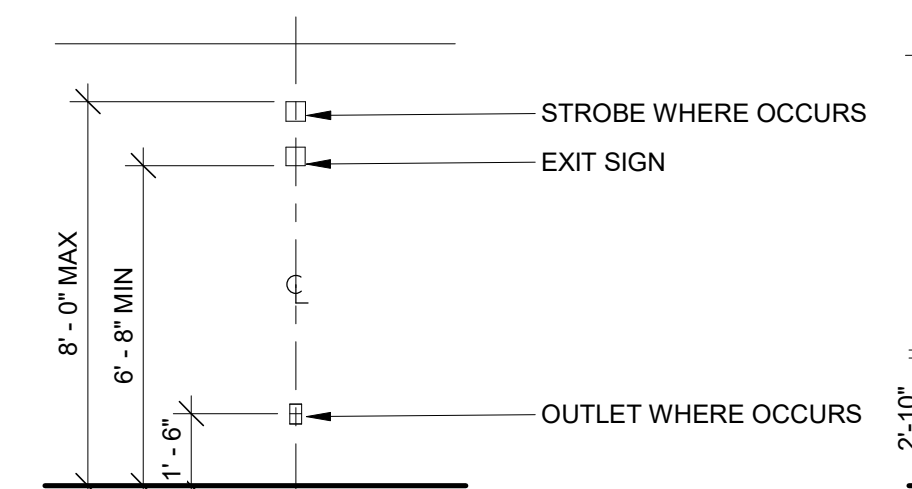
9 LOCATIONS at COLUMNS, BETWEEN DOORS, ETC. OUTLETS, STROBES and FIRE ALARM PULLS



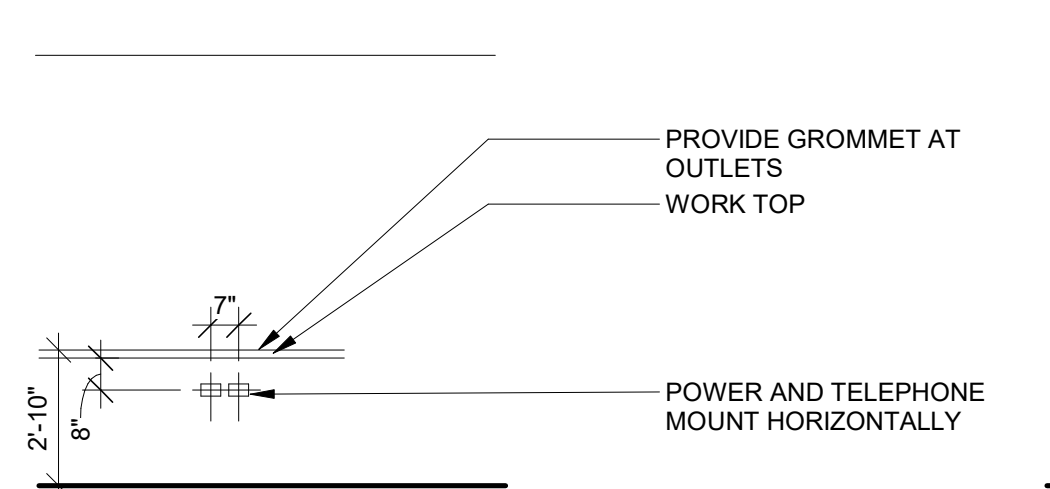
11 LOCATIONS at CORNERS SWITCHES, OUTLETS, STROBES and THERMOSTATS



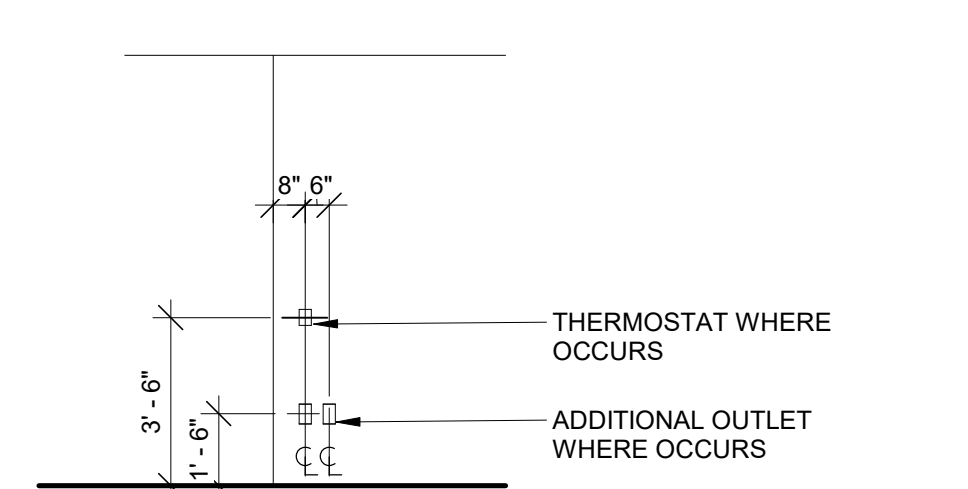
3 LOCATIONS at DOOR JAMBS CARD READER, EGRESS BUTTON or FIRE ALARM PULL



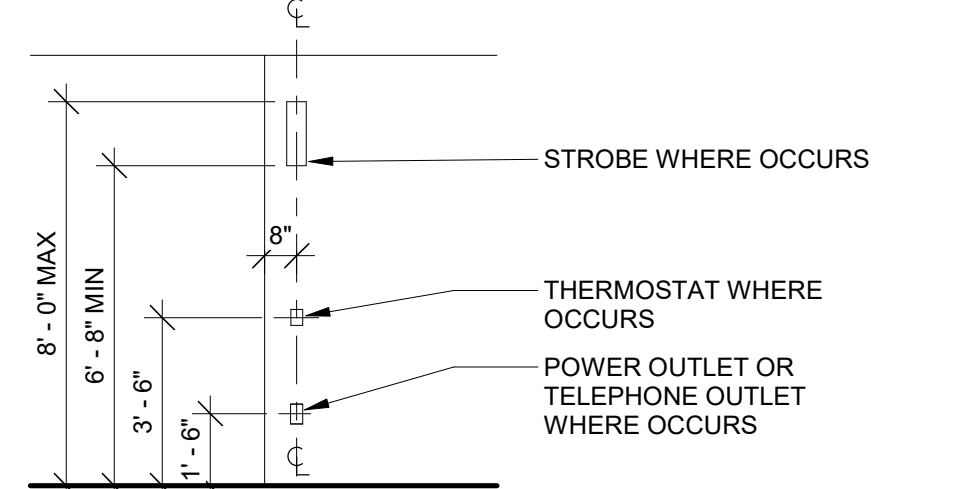
22 LOCATION FOR EXIT SIGNS (WALL MOUNTED)



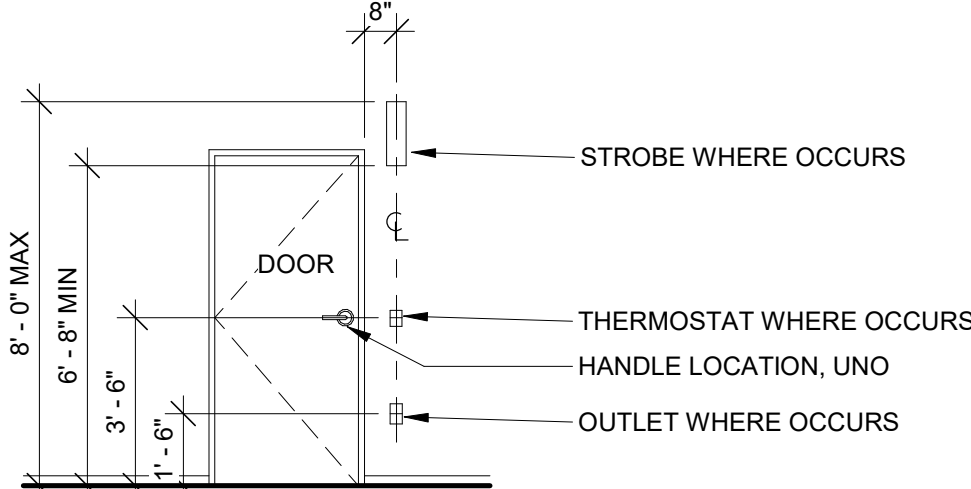
16 LOCATIONS at WORK SURFACES OUTLETS



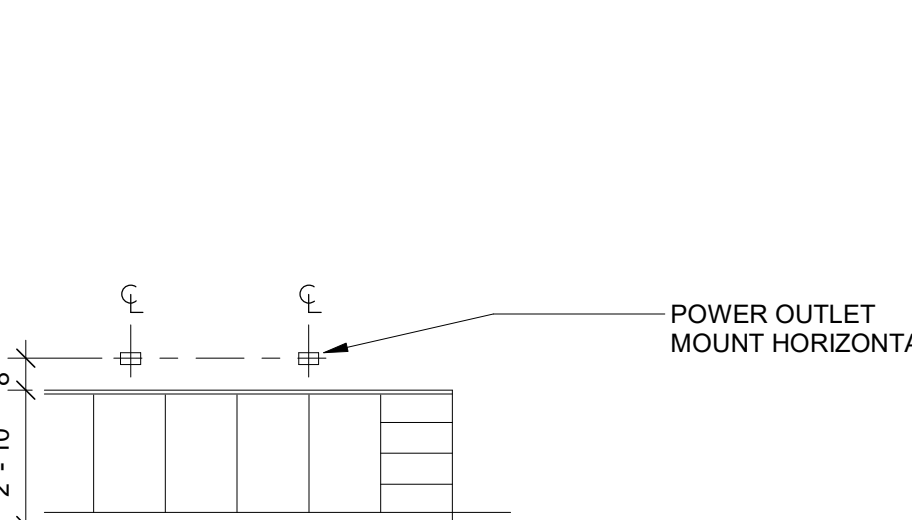
10 LOCATIONS at CORNERS OUTLETS



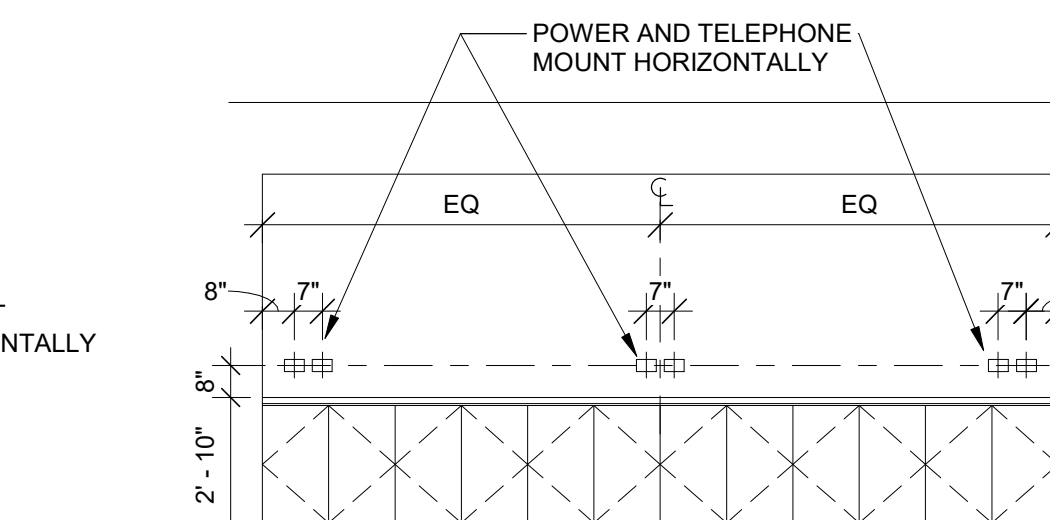
12 LOCATIONS at CORNERS OUTLETS, STROBES and THERMOSTATS



4 LOCATIONS at DOOR JAMBS THERMOSTAT, STROBE or OUTLET

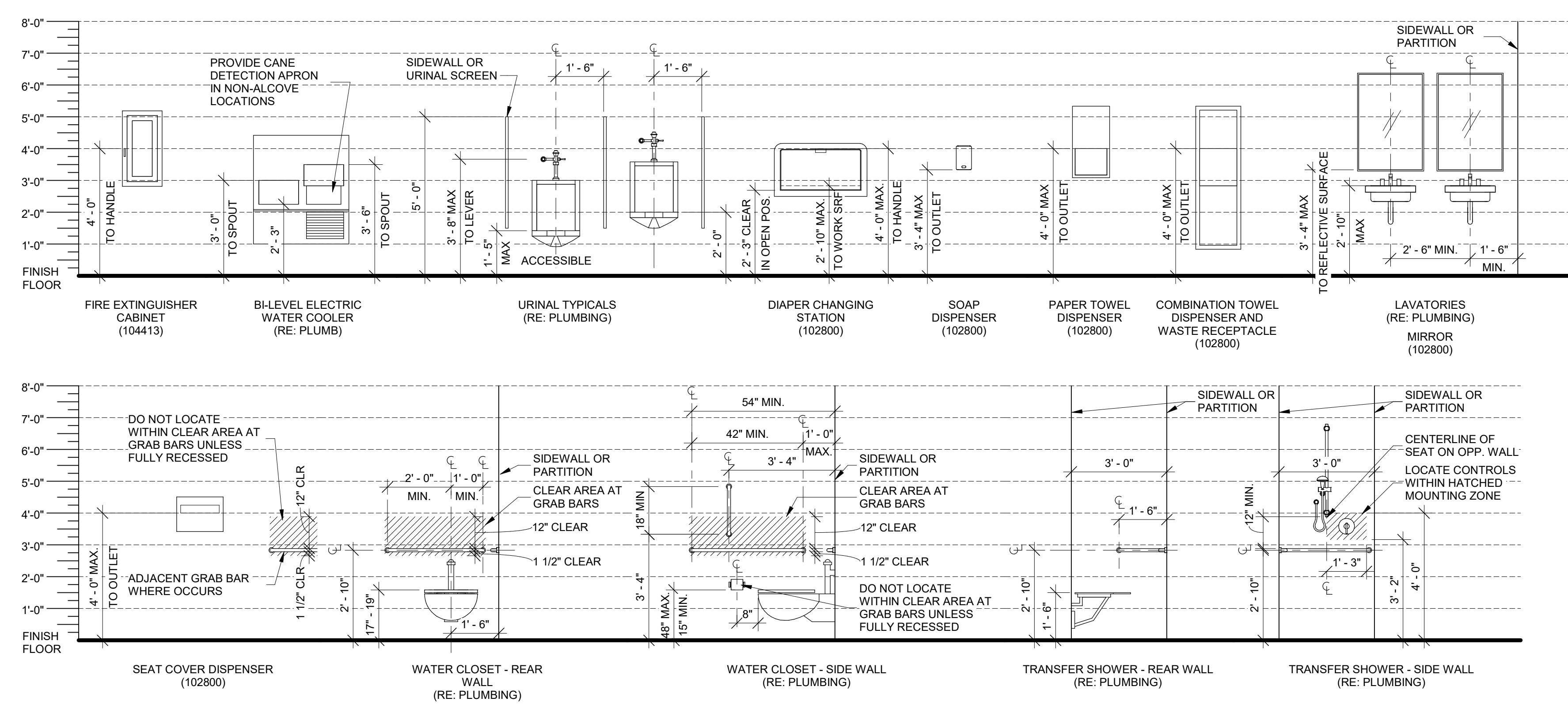


17 LOCATIONS at MILLWORK COUNTERS MAX 24" DEPTH OUTLETS



18 LOCATIONS at MILLWORK COUNTERS MAX 24" DEPTH OUTLETS

LEGEND - TYPICAL TOILET ACCESSORY AND PLUMBING FIXTURE HEIGHTS



LEGEND - TYPICAL FIXTURE HEIGHTS 3/8" = 1'-0"

PROJECT SYMBOLS

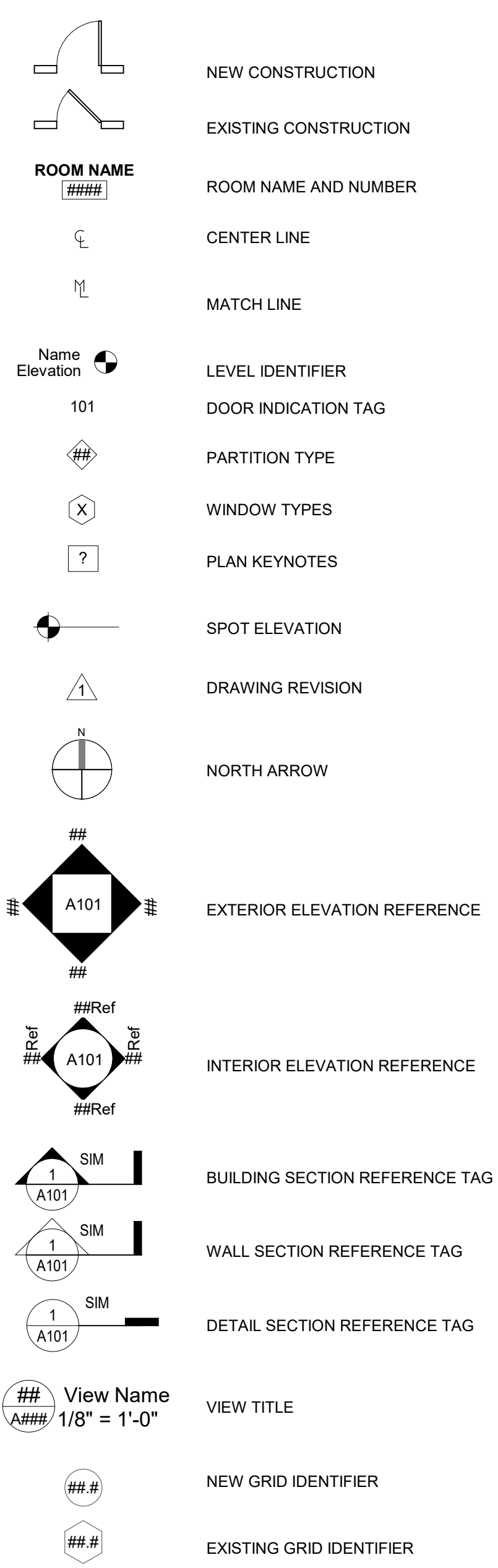


Table with columns: MARK, DATE, DESCRIPTION

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IMPROVEMENTS SHOWN ON CIVIL PLANS SHALL BE COORDINATED WITH ARCHITECTURAL PLANS AND ALL INSTRUCTIONS THEREON.

CERTAIN PIPE LINES, SEWERS, CULVERTS, DRAINS, ELECTRICAL LINES, TELECOMMUNICATIONS CABLES AND OTHER EXISTING SUB-GRADE STRUCTURES IN THE VICINITY OF THE WORK TO BE DONE ARE INDICATED ON THE FOLLOWING PLAN SHEETS ACCORDING TO THE BEST INFORMATION AVAILABLE TO THE OWNER AND DARREN KREHBIEL CONSULTANTS, LLC. THE OWNER AND DARREN KREHBIEL CONSULTANTS, LLC DO NOT, HOWEVER, GUARANTEE ACCURACY OF SUCH INFORMATION. ANY DELAY TO THE CONTRACTOR DUE TO ENCOUNTERING STRUCTURES OR LINES NOT SHOWN, OR IN LOCATIONS DIFFERENT FROM THOSE INDICATED ON THE PLANS SHALL NOT CONSTITUTE A CLAIM FOR PAYMENT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO PUBLIC OR PRIVATE PROPERTY OR FACILITIES, REGARDLESS OF LOCATION OR CHARACTER, WHICH MAY BE CAUSED BY HIM OR HIS SUBCONTRACTORS. THE CONTRACTOR SHALL MAKE, WITHOUT DELAY, SATISFACTORY AND ACCEPTABLE ARRANGEMENTS WITH THE OWNER OR OWNERS OF OR THE AGENCY OR AUTHORITY HAVING JURISDICTION OVER THE DAMAGED PROPERTY, SURFACE, STRUCTURE, OR FACILITY CONCERNING ITS REPLACEMENT OR COSTS INCURRED IN CONNECTION WITH SAID DAMAGES.

IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE FOLLOWING ENTITIES, FOR UTILITY LOCATIONS, PRIOR TO BEGINNING CONSTRUCTION.

AT&T
(800) 288-2020

City of Camdenton
437 W. US Highway 54
Camdenton, MO 65020
(573) 346-3600

Charter Communications
5151 Osage Beach Parkway, Ste. B
Osage Beach, MO 65065
(866) 874-2389

Laclede Electric Cooperative
370 Old South 5
Camdenton, MO 65020
(573) 346-5303

Summit Natural Gas of MO
272 Keystone Industrial Park Dr.
Camdenton, MO 65020
(573) 374-1244

Missouri One-Call
(800) 344-7483

DO NOT SCALE FROM THE CIVIL PLANS IN THE ABSENCE OF LABELED DIMENSIONS.

WHENEVER A MATERIAL, ARTICLE, OR PIECE OF EQUIPMENT IS IDENTIFIED ON THE CIVIL PLANS BY REFERENCE TO MANUFACTURERS OR VENDORS NAMES, TRADE NAMES, CATALOGUE NUMBERS, ETC., IT IS INTENDED MERELY TO ESTABLISH A STANDARD, UNLESS SPECIFICALLY NOTED IN THE PLANS OR SPECIFICATIONS.

CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL CITY, COUNTY, AND STATE CODES, LICENSES, & REQUIREMENTS.

WATER MAINS SHALL BE LAID AT LEAST TEN FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SEWER. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE.

WATER MAINS CROSSING SEWERS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL CLEAR DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER. THIS SHALL BE THE CASE WHERE THE WATER MAIN IS EITHER ABOVE OR BELOW THE SEWER. AT CROSSINGS, THE FULL LENGTH OF WATER PIPE SHALL BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE BUT IN NO CASE LESS THAN TEN FEET.

NO WATER LINE SHALL BE LOCATED CLOSER THAN TEN FEET TO ANY PART OF A SANITARY OR COMBINED SEWER MANHOLE.

ADA COMPLIANCE FOR NEW CONSTRUCTION

THE AMERICAN WITH DISABILITIES ACT (ADA) PROVIDES THAT IT IS A VIOLATION OF THE ADA TO DESIGN AND CONSTRUCT A FACILITY FOR FIRST OCCUPANCY LATER THAN JANUARY 26, 1993, THAT DOES NOT MEET THE ACCESSIBILITY AND USABILITY REQUIREMENTS OF THE ADA EXCEPT WHERE AN ENTITY CAN DEMONSTRATE THAT IT IS STRUCTURALLY IMPRACTICAL TO MEET SUCH REQUIREMENTS. THE CLIENT ACKNOWLEDGES THAT THE REQUIREMENTS OF THE ADA WILL BE SUBJECT TO VARIOUS AND POSSIBLE CONTRADICTIONARY INTERPRETATIONS. THE DESIGN PROFESSIONAL, THEREFORE, WILL USE HIS OR HER REASONABLE PROFESSIONAL EFFORTS TO INTERPRET APPLICABLE ADA REQUIREMENTS AND OTHER FEDERAL, STATE, AND LOCAL LAWS, RULES, CODES, ORDINANCES, AND REGULATIONS AS THEY APPLY TO THE PROJECT. THE DESIGN PROFESSIONAL, HOWEVER, CANNOT AND DOES NOT WARRANT OR GUARANTEE THAT THE CLIENT'S PROJECT WILL COMPLY WITH INTERPRETATIONS OF THE ADA REQUIREMENTS AND/OR THE REQUIREMENTS OF OTHER FEDERAL, STATE, AND LOCAL LAWS, RULES, CODES, ORDINANCES, AND REGULATIONS AS THEY APPLY TO THE PROJECT.

ADA COMPLIANCE FOR ALTERATIONS

THE AMERICAN WITH DISABILITIES ACT (ADA) PROVIDES THAT ALTERATIONS TO A FACILITY MUST BE MADE IN SUCH A MANNER THAT, TO THE EXTENT FEASIBLE, THE ALTERED PORTIONS OF THE FACILITY ARE READILY ACCESSIBLE TO AND BY INDIVIDUALS WITH DISABILITIES. THE CLIENT ACKNOWLEDGES THAT THE REQUIREMENTS OF THE ADA WILL BE SUBJECT TO VARIOUS AND POSSIBLE CONTRADICTIONARY INTERPRETATIONS. THE DESIGN PROFESSIONAL, THEREFORE, WILL USE HIS OR HER REASONABLE PROFESSIONAL EFFORTS AND JUDGMENT TO INTERPRET APPLICABLE ADA REGULATIONS AS THEY APPLY TO THE PROJECT. THE DESIGN PROFESSIONAL, HOWEVER, CANNOT AND DOES NOT WARRANT OR GUARANTEE THAT THE CLIENT'S PROJECT WILL COMPLY WITH ALL INTERPRETATIONS OF THE ADA REQUIREMENTS OR THE REQUIREMENTS OF OTHER FEDERAL, STATE, AND LOCAL LAWS, RULES, CODES, ORDINANCES AND REGULATIONS AS THEY APPLY TO THE PROJECT.

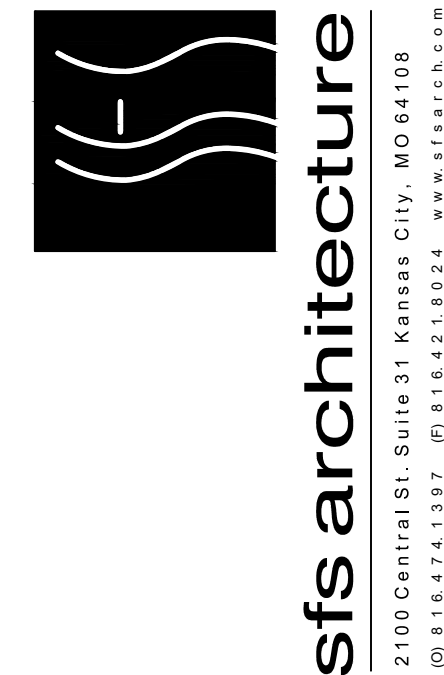
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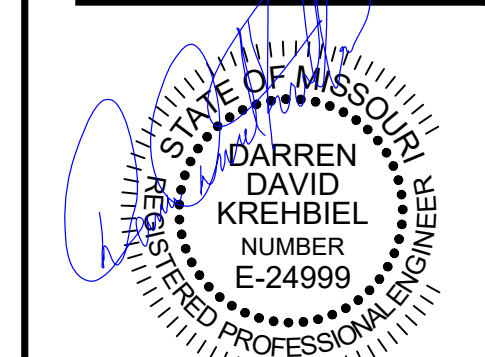


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OR 811
mo1call.com



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MOR E-24999

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63 Blair Avenue
CAMDENTON, MO 65020
TEL: 573.346.5316
krehbiel.darren@gmail.com

Civil Engineer

Darren Krehbiel Consultants, LLC.
Missouri State Certificate of Authority
#2011003212

Camdenton Community Center

Owner

1205 N. BUSINESS ROUTE 5
Camdenton, MO 65020

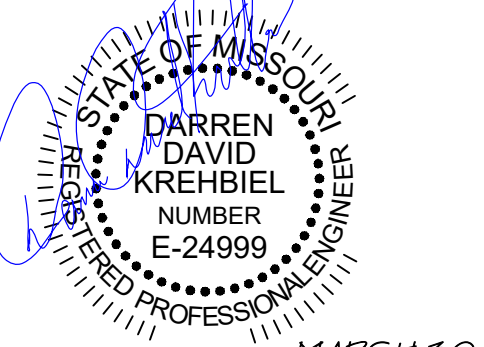
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GENERAL NOTES

C001

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DARREN DAVID KREHBIEL - ENGINEER
 MO# E-24999

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 CAMDENTON, MO 65020
 TEL: 572.346.5316
 krehbiel.darren@gmail.com

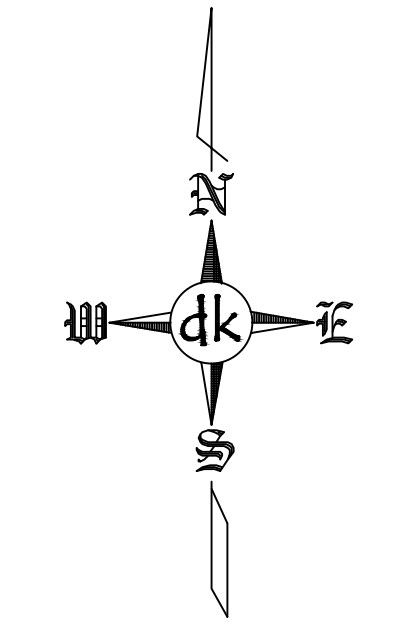
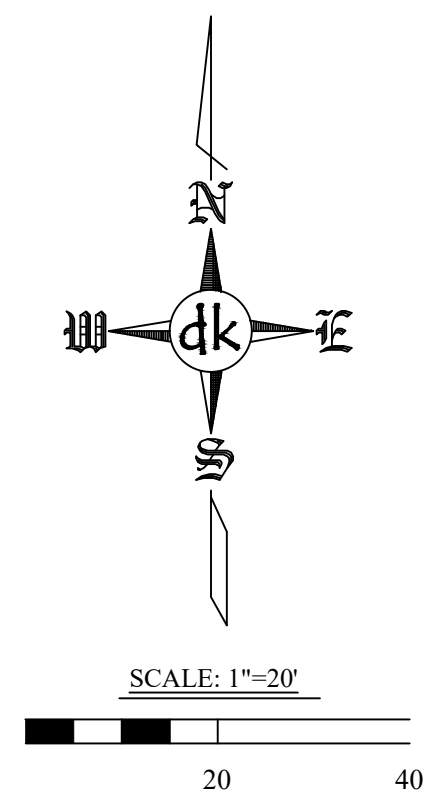
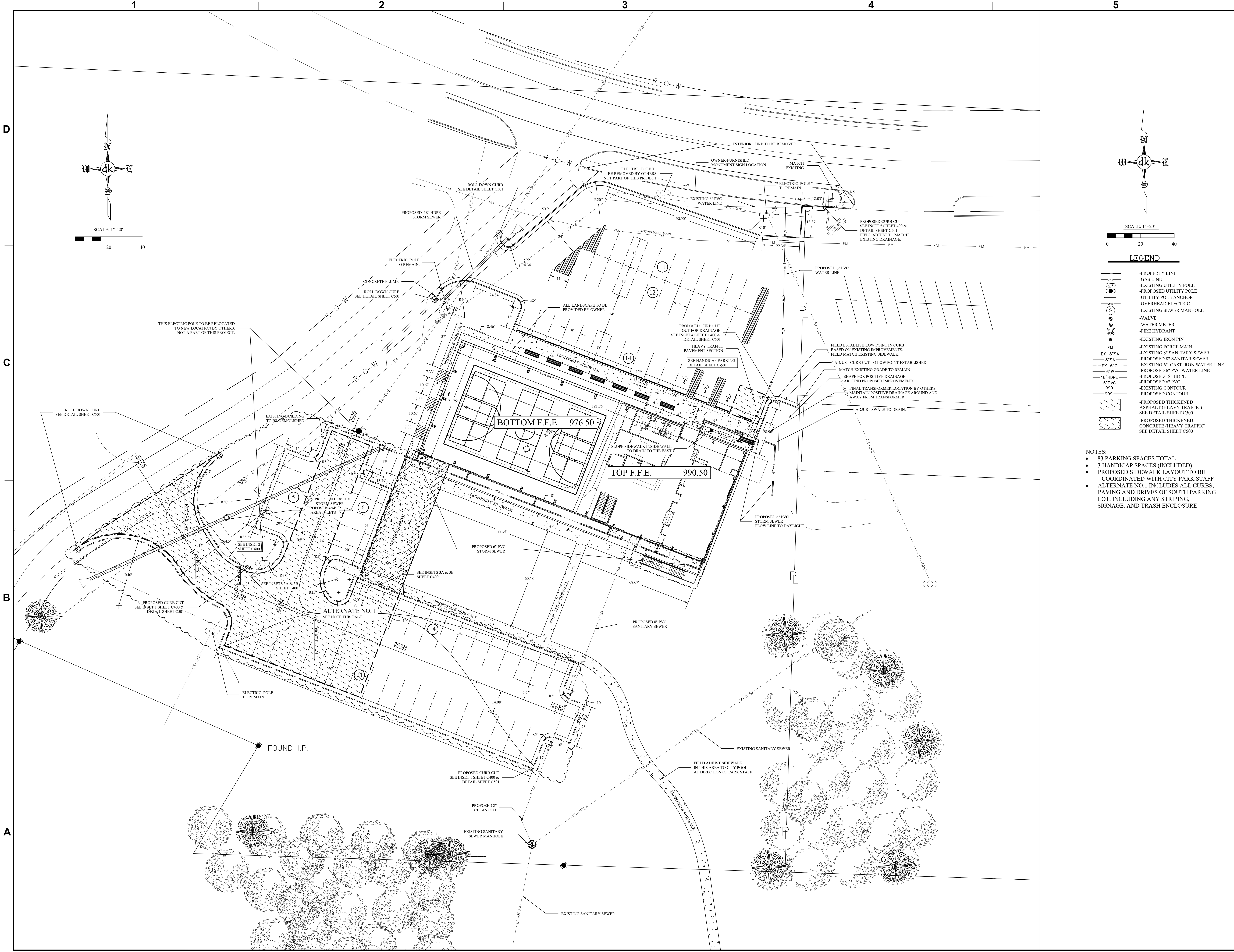
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 Camdenton, MO 65020

MARK	DATE	DESCRIPTION
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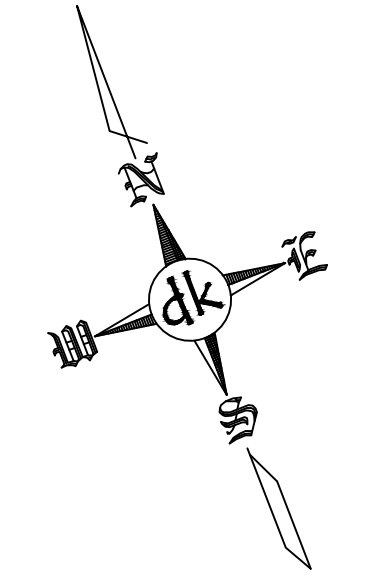
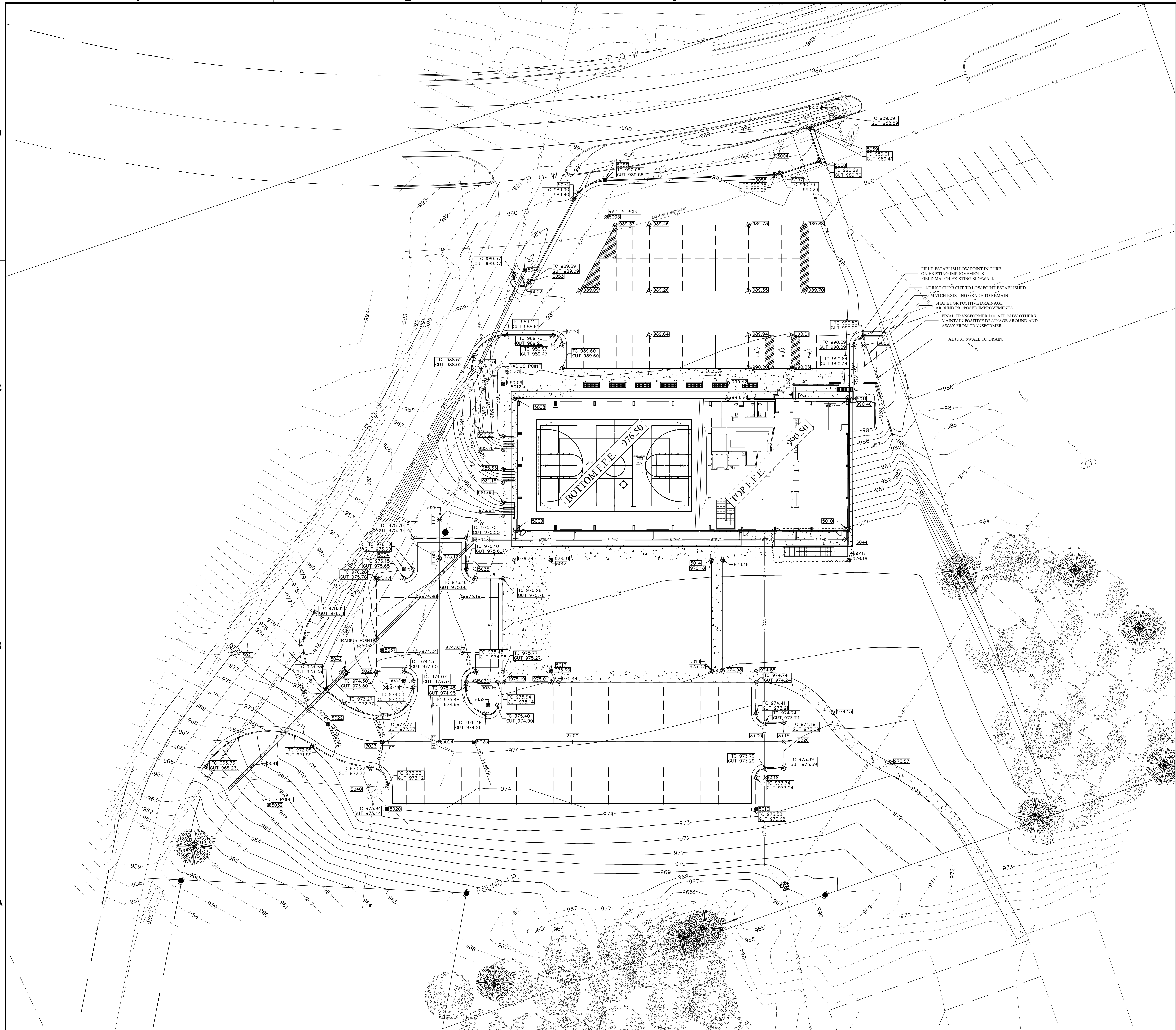
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OVERALL SITE
C100



- LEGEND**
- - - - - PROPERTY LINE
 - - - - - GAS LINE
 - ○ ○ ○ ○ EXISTING UTILITY POLE
 - ○ ○ ○ ○ PROPOSED UTILITY POLE
 - ○ ○ ○ ○ UTILITY POLE ANCHOR
 - ○ ○ ○ ○ OVERHEAD ELECTRIC
 - ○ ○ ○ ○ EXISTING SEWER MANHOLE
 - ○ ○ ○ ○ VALVE
 - ○ ○ ○ ○ WATER METER
 - ○ ○ ○ ○ FIRE HYDRANT
 - ○ ○ ○ ○ EXISTING IRON PIN
 - FM EXISTING FORCE MAIN
 - - - - - EX-8\"/>

- NOTES:**
- 83 PARKING SPACES TOTAL
 - 3 HANDICAP SPACES (INCLUDED)
 - PROPOSED SIDEWALK LAYOUT TO BE COORDINATED WITH CITY PARK STAFF
 - ALTERNATE NO.1 INCLUDES ALL CURBS, PAVING AND DRIVES OF SOUTH PARKING LOT, INCLUDING ANY STRIPING, SIGNAGE, AND TRASH ENCLOSURE



SCALE: 1"=20'
0 20 40

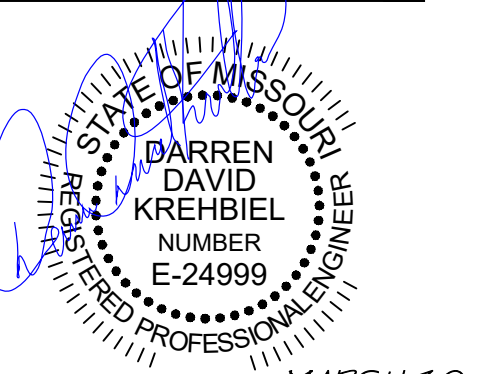
LEGEND

- - - - - PROPERTY LINE
- - - - - GAS LINE
- - - - - EXISTING UTILITY POLE
- - - - - PROPOSED UTILITY POLE
- - - - - UTILITY POLE ANCHOR
- - - - - OVERHEAD ELECTRIC
- - - - - EXISTING SEWER MANHOLE
- - - - - VALVE
- - - - - WATER METER
- - - - - FIRE HYDRANT
- - - - - EXISTING IRON PIN
- - - - - EXISTING FORCE MAIN
- - - - - EX-8"SA - EXISTING 8" SANITARY SEWER
- - - - - 8"SA - PROPOSED 8" SANITARY SEWER
- - - - - EX-6"C.I. - EXISTING 6" CAST IRON WATER LINE
- - - - - 6"W - PROPOSED 6" PVC WATER LINE
- - - - - 18"HDPE - PROPOSED 18" HDPE
- - - - - 6"PVC - PROPOSED 6" PVC
- - - - - 999 - EXISTING CONTOUR
- - - - - 999 - PROPOSED CONTOUR

POINT #	NORTHING	EASTING	DESCRIPTION
5000	795516.8072	1564899.412	5' RADIUS
5001	795511.7429	1564870.839	20' RADIUS
5002	795556.6908	1564896.976	4.34' RADIUS
5003	795571.2646	1564951.483	20' RADIUS
5004	795569.1914	1565048.966	10' RADIUS
5005	795581.1106	1565089.965	5' RADIUS
5006	795455.5719	1565056.929	5' RADIUS
5007	795431.4121	1565039.09	BUILDING CORNER
5008	795496.7655	1564869.496	BUILDING CORNER
5009	795429.8145	1564843.697	BUILDING CORNER
5010	795364.4611	1565013.29	BUILDING CORNER
5011	795430.3484	1565041.85	SW PI
5012	795506.5915	1564866.362	SW PI
5013	795407.8574	1564856.179	SW PI
5014	795376.3798	1564937.864	SW PI
5015	795349.5313	1565007.537	SW PI
5016	795319.8517	1564916.081	SW PI
5017	795351.3293	1564834.396	SW PI
5018	795255.1984	1564922.558	44.09' RADIUS
5019	795241.1333	1564911.78	BOC PI
5020	795313.4085	1564724.224	BOC PI
5021	795422.5361	1564675.566	STA. 0+00 S.P.-LOT
5022	795368.0337	1564710.81	STA. 0+64.90 S.P.-LOT
5023	795348.5286	1564734.817	STA. 0+96.35 S.P.-LOT
5024	795337.2338	1564764.125	INT. STA. 1+27.67/0+00
5025	795330.4775	1564781.657	STA. 1+46.55 S.P.-LOT
5026	795269.8696	1564938.929	STA. 3+15 S.P.-LOT
5027	795432.6866	1564763.936	BOC PI
5028	795385.0978	1564745.598	BOC PI
5029	795450.1406	1564807.636	STA. 3+21
5030	795361.0151	1564798.188	5' RADIUS
5031	795354.1525	1564802.26	15' RADIUS
5032	795346.44	1564795.895	5' RADIUS
5033	795375.0386	1564757.796	5' RADIUS
5034	795431.9586	1564779.731	4.5' RADIUS
5035	795417.9347	1564816.123	5' RADIUS
5036	795375.3685	1564747.207	15' RADIUS
5037	795395.184	1564752.796	64.5/35.5' RADIUS
5038	795401.8481	1564741.937	30' RADIUS
5039	795338.5767	1564664.956	40' RADIUS
5040	795328.607	1564719.364	10' RADIUS
5041	795361.6956	1564694.244	CL 18" HDPE
5042	795391.0873	1564729.166	CL BOW
5043	795432.9388	1564821.609	CL BOW
5044	795360.3013	1565010.372	CL 6" PVC
5045	795522.1765	1564859.611	CL 18" HDPE
5046	795560.2015	1564899.867	CL 18" HDPE
5053	795553.3919	1564899.796	TC
5054	795586.4669	1564938.487	TC POC
5055	795590.1593	1564958.04	TC POT
5056	795559.744	1565045.688	TC POC
5057	795559.2045	1565048.455	TC POT
5058	795558.062	1565070.767	TC PI
5059	795576.9076	1565071.732	TC PI

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DARREN DAVID KREHBIEL - ENGINEER
MO E-24999

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TEL: 573.346.5316
krehbiel.darren@gmail.com

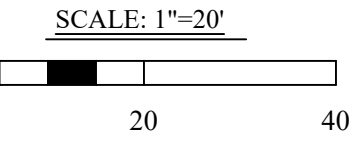
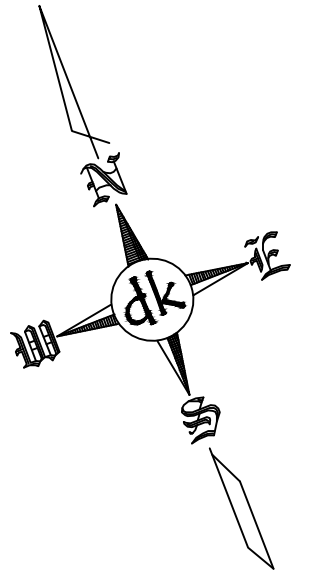
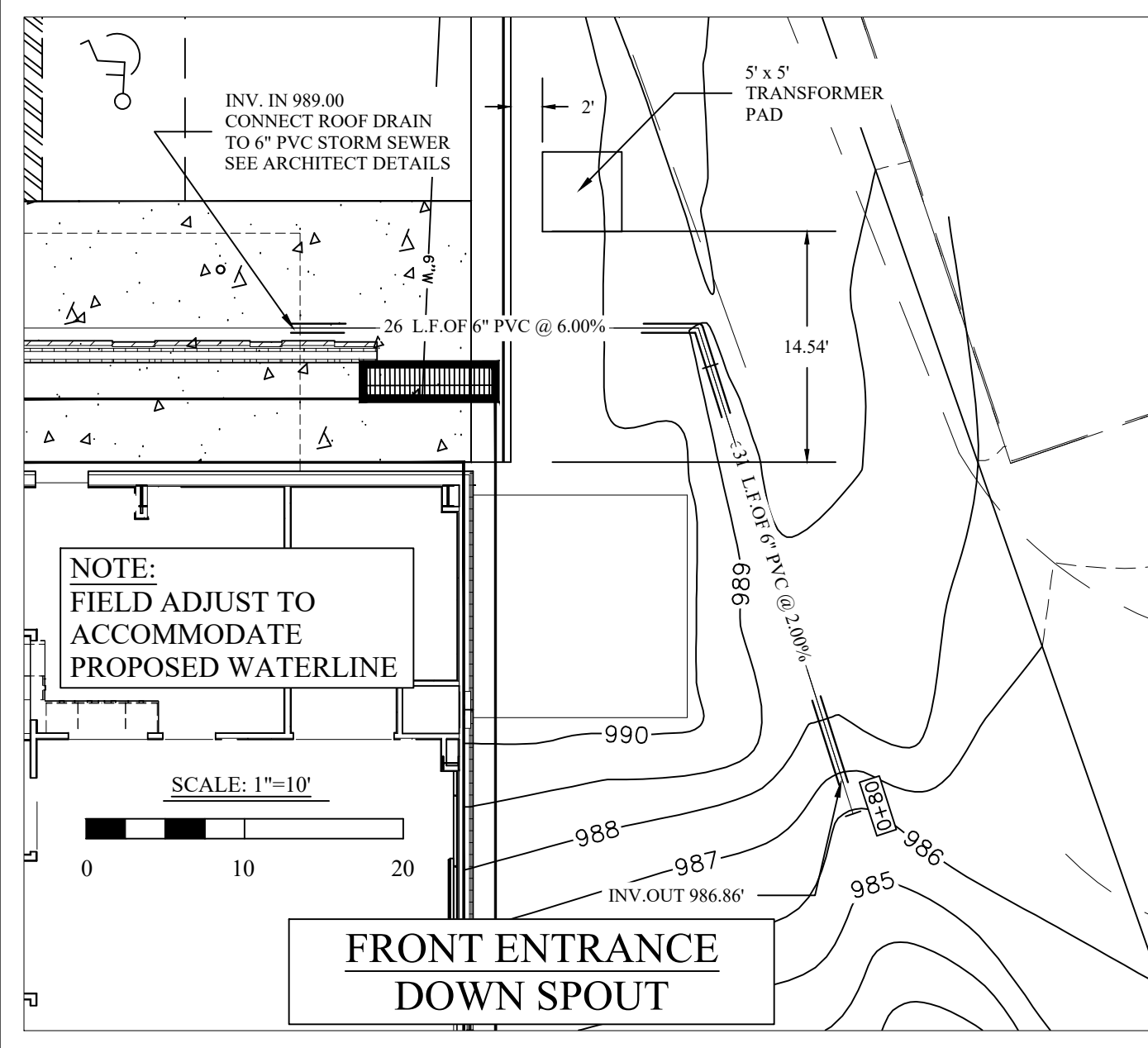
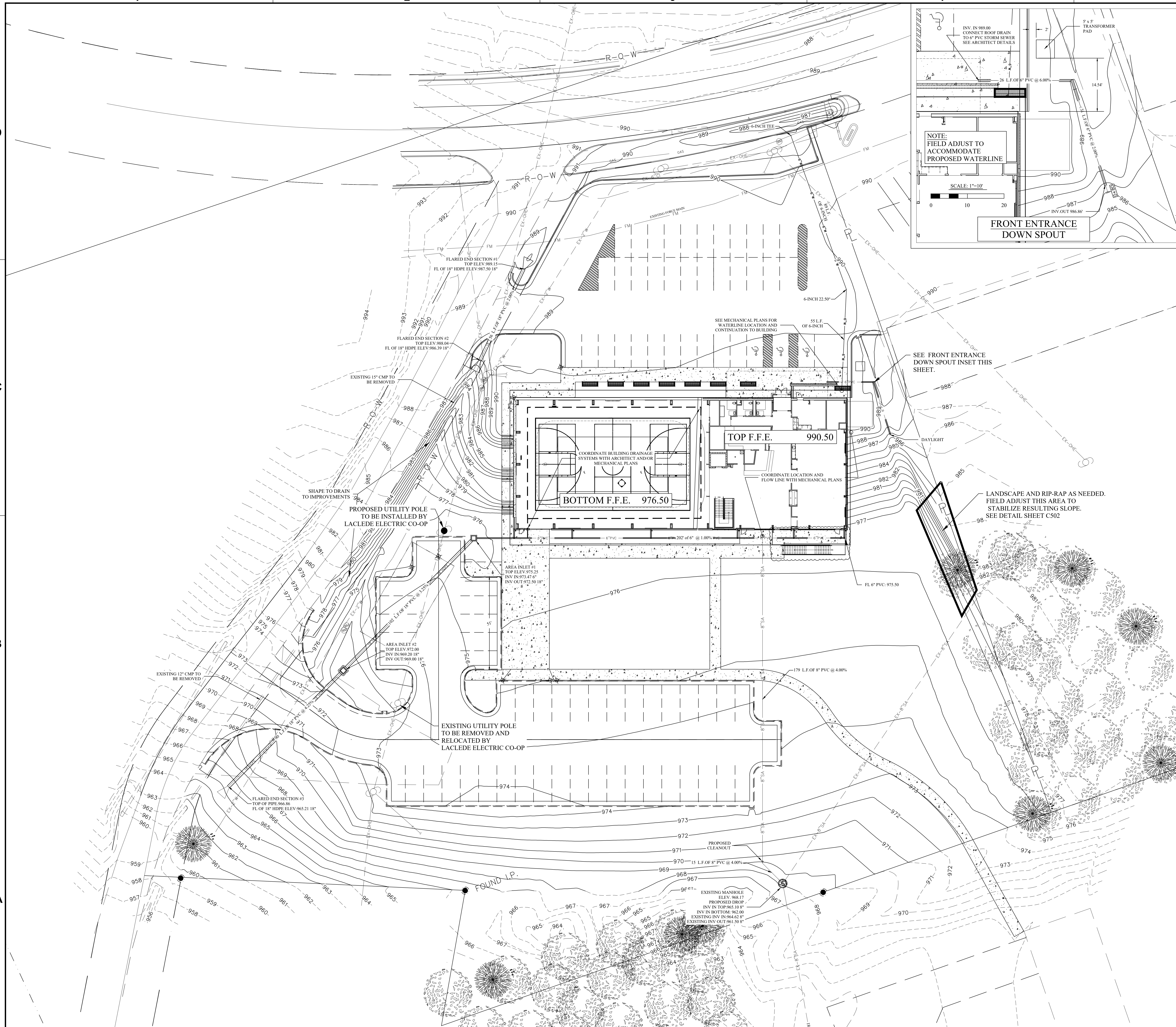
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SPOT ELEVATIONS
C101

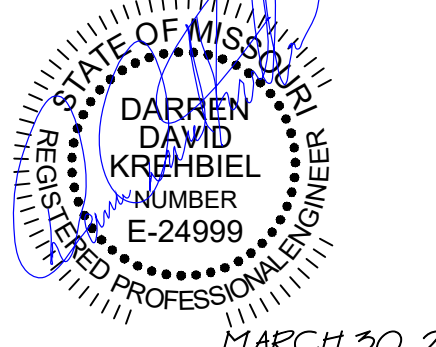


LEGEND

- P- PROPERTY LINE
- G- GAS LINE
- E- EXISTING UTILITY POLE
- P- PROPOSED UTILITY POLE
- A- UTILITY POLE ANCHOR
- O- OVERHEAD ELECTRIC
- V- EXISTING SEWER MANHOLE
- VALVE
- W- WATER METER
- F- FIRE HYDRANT
- I- EXISTING IRON PIN
- FM- EXISTING FORCE MAIN
- E- EX-8"SA- EXISTING 8" SANITARY SEWER
- E- 8"SA- PROPOSED 8" SANITARY SEWER
- E- 6"W- EXISTING 6" CAST IRON WATER LINE
- E- 6"W- PROPOSED 6" PVC WATER LINE
- E- 18"HDPE- EXISTING 18" HDPE
- E- 6"PVC- PROPOSED 6" PVC
- 999- EXISTING CONTOUR
- 999- PROPOSED CONTOUR

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63 Blair Avenue
 CAMDENTON, MO 65020
 TEL: 573.346.5316
 krehbiel.darren@gmail.com

Civil Engineer
 Darren Krehbiel Consultants, LLC.
 Missouri State Certificate of Authority #2011003212

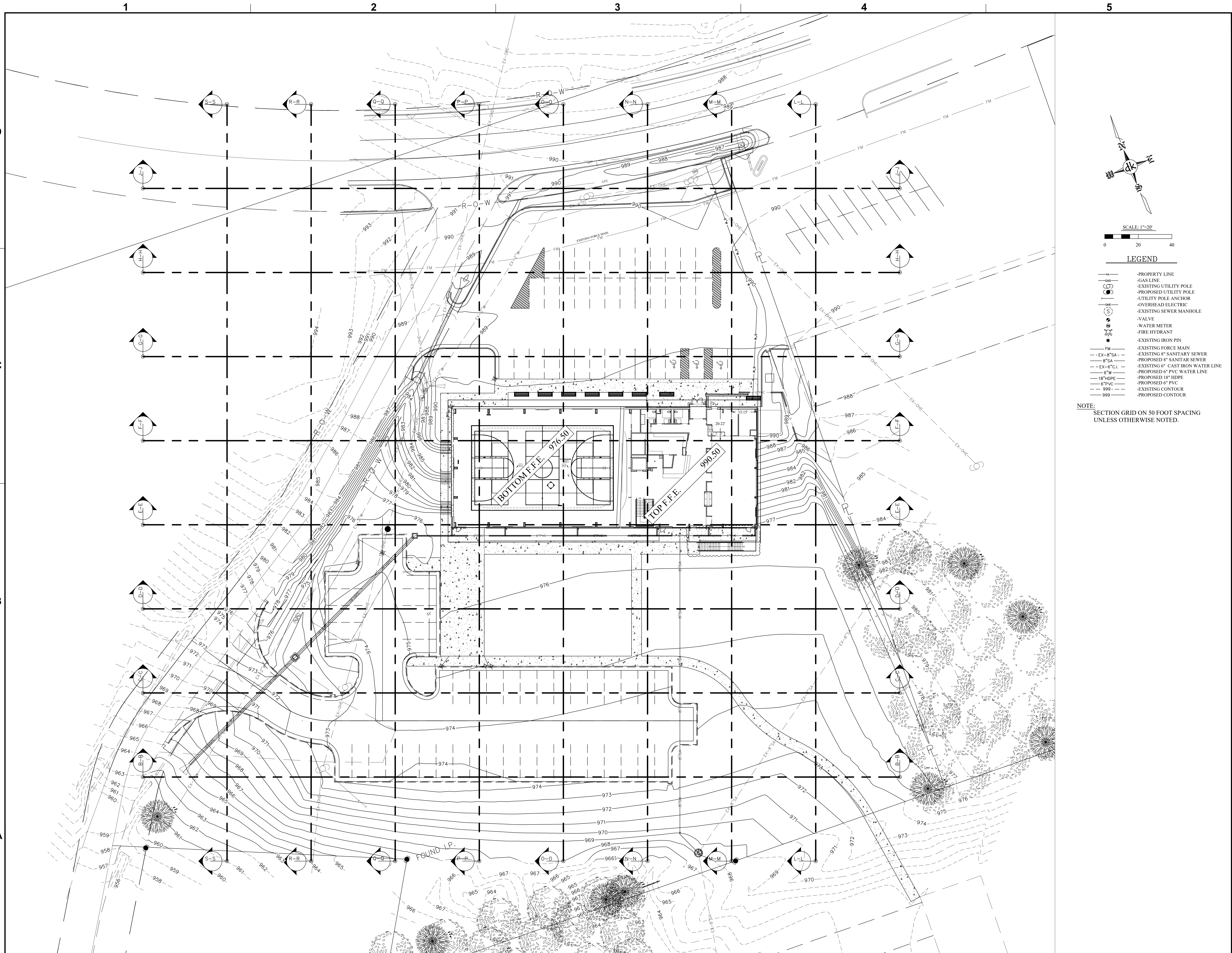
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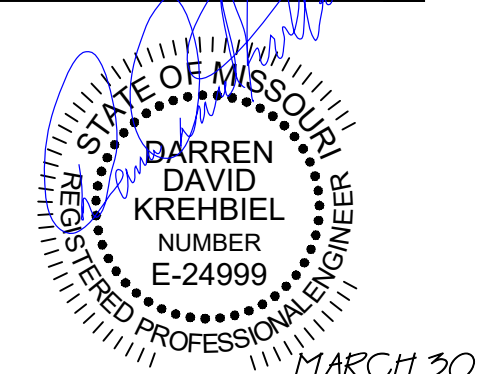
UTILITIES PLAN

C102



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 CAMDENTON, MO 65020
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 krehbiel.darren@gmail.com

Civil Engineer
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 Missouri State Certificate of Authority
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GRADING LAYOUT
C103

1

2

3

4

5

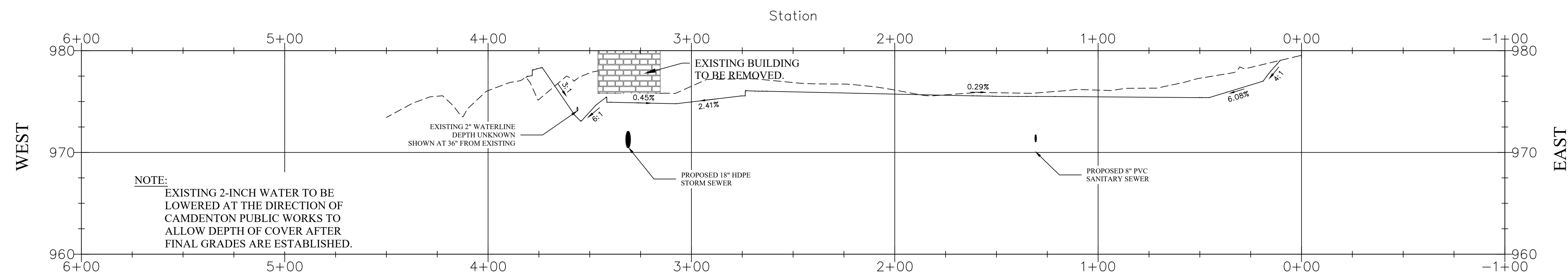
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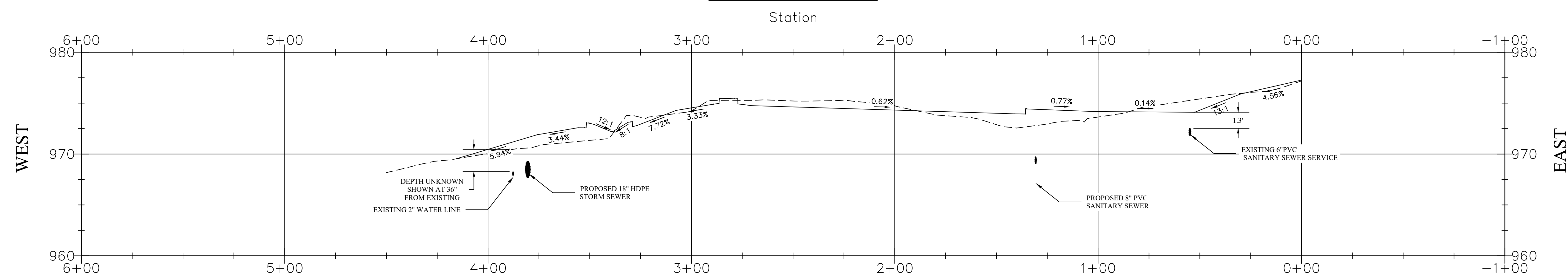
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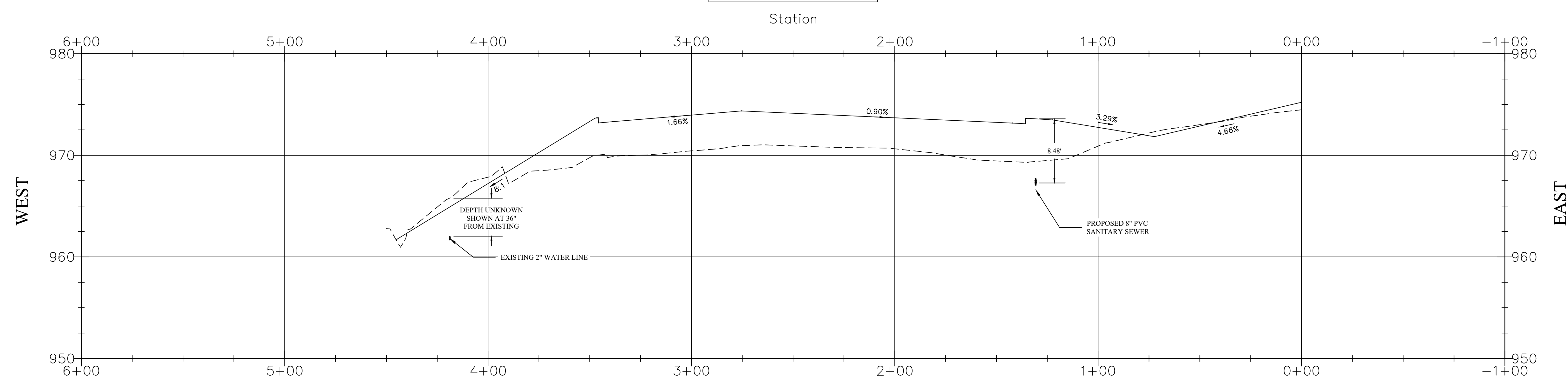
D-D PROFILE



C-C PROFILE



B-B PROFILE

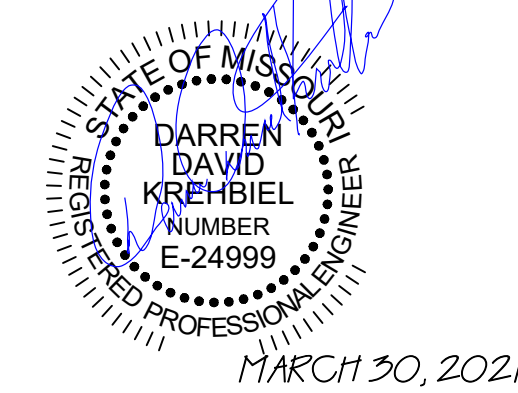


HORIZONTAL SCALE : 1"=30'
VERTICAL SCALE : 1"=6'



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Civil Engineer

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Owner

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SECTIONS
B-B TO D-D

C300

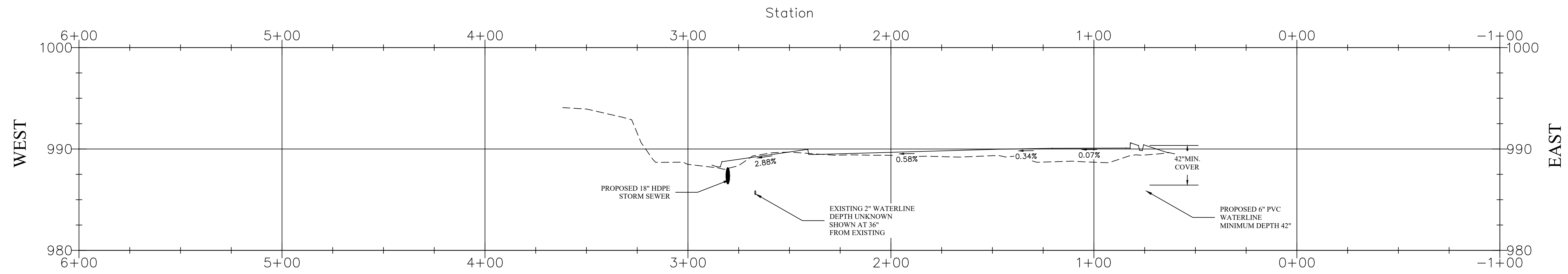
D

C

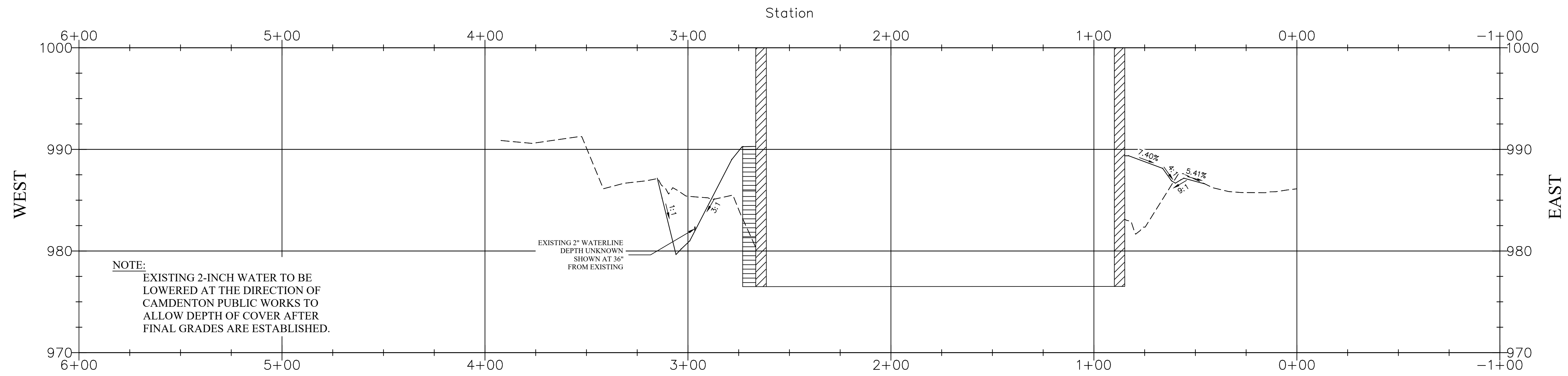
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A

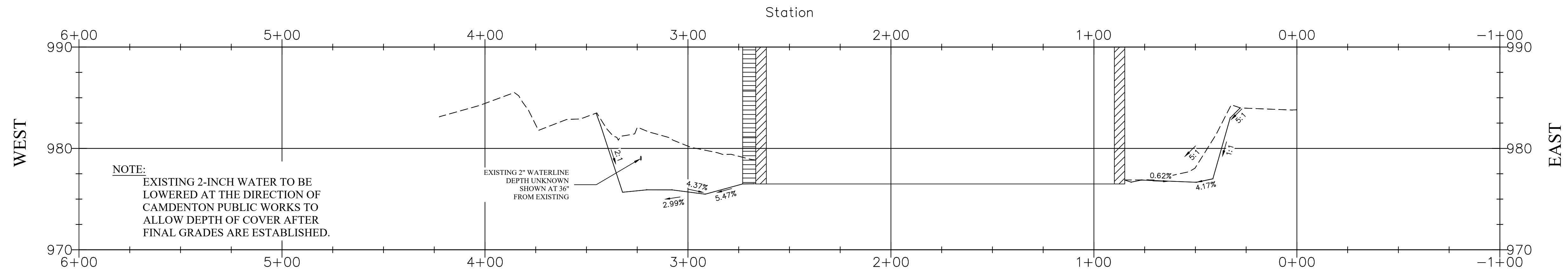
G-G PROFILE



F-F PROFILE



E-E PROFILE

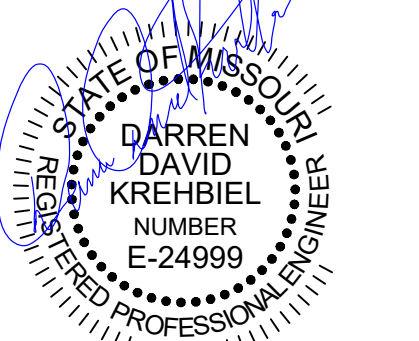


HORIZONTAL SCALE : 1"=30'
 VERTICAL SCALE : 1"=6'



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DARREN DAVID KREHBIEL - ENGINEER
 MO E-24999

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63 Blair Avenue
 CAMDENTON, MO 65020
 TEL: 573.346.5316
 krehbiel.darren@gmail.com

Civil Engineer

Darren Krehbiel Consultants, LLC.
 Missouri State Certificate of Authority
 #201106312

Camdenton Community Center

Owner

1205 N. BUSINESS ROUTE 5
 Camdenton, MO 65020

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 ISSUED FOR:
 ISSUE DATE: 3/30/2021
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SECTIONS
 E-E TO G-G

C301

1

2

3

4

5

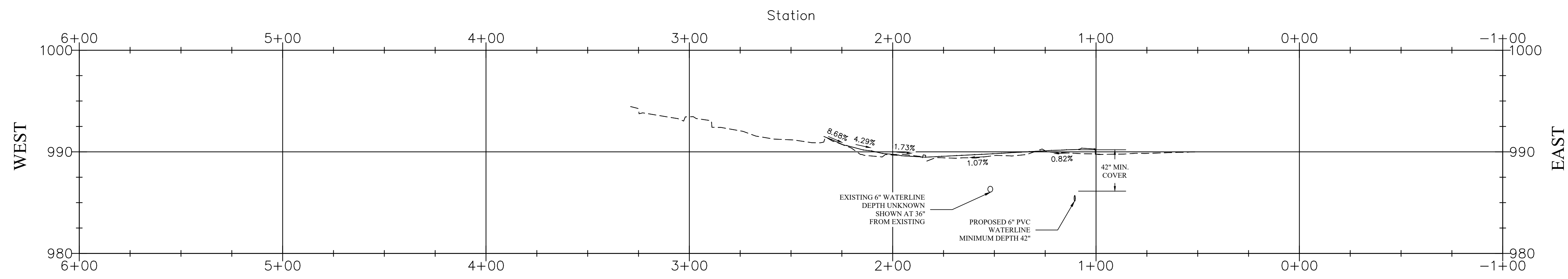
D

C

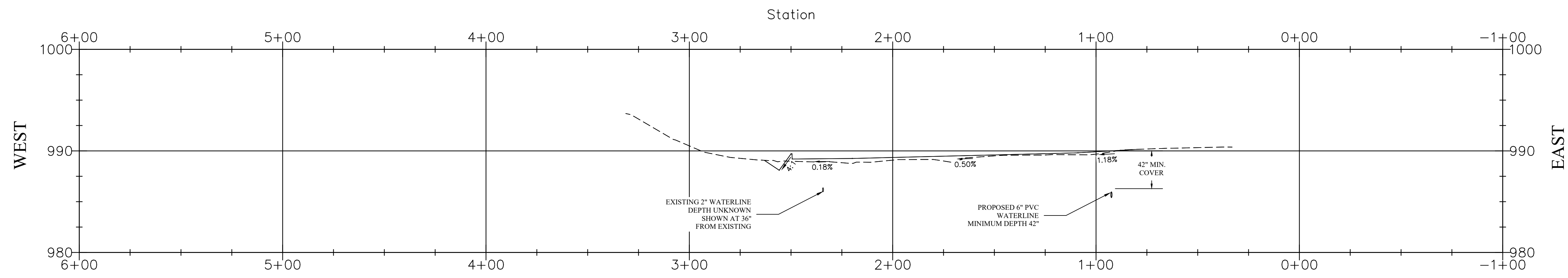
B

A

J-J PROFILE



H-H PROFILE

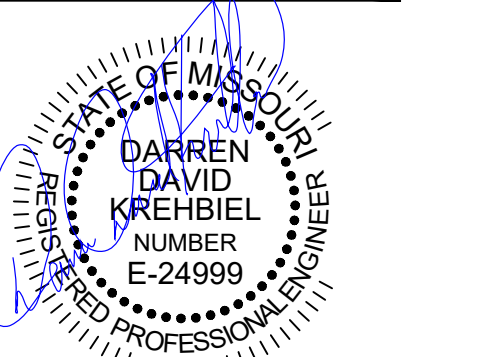


HORIZONTAL SCALE : 1"=30'
 VERTICAL SCALE : 1"=6'



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 MO# E-24999

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63 Blair Avenue
 CAMDENTON, MO 65020
 TEL: 573.346.5316
 krehbiel.darren@gmail.com

Civil Engineer

Darren Krehbiel Consultants, LLC.
 Missouri State Certificate of Authority
 #2011005212

Camdenton Community Center
 Owner

1205 N. BUSINESS ROUTE 5
 Camdenton, MO 65020

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SECTIONS
 H-H TO J-J

C302

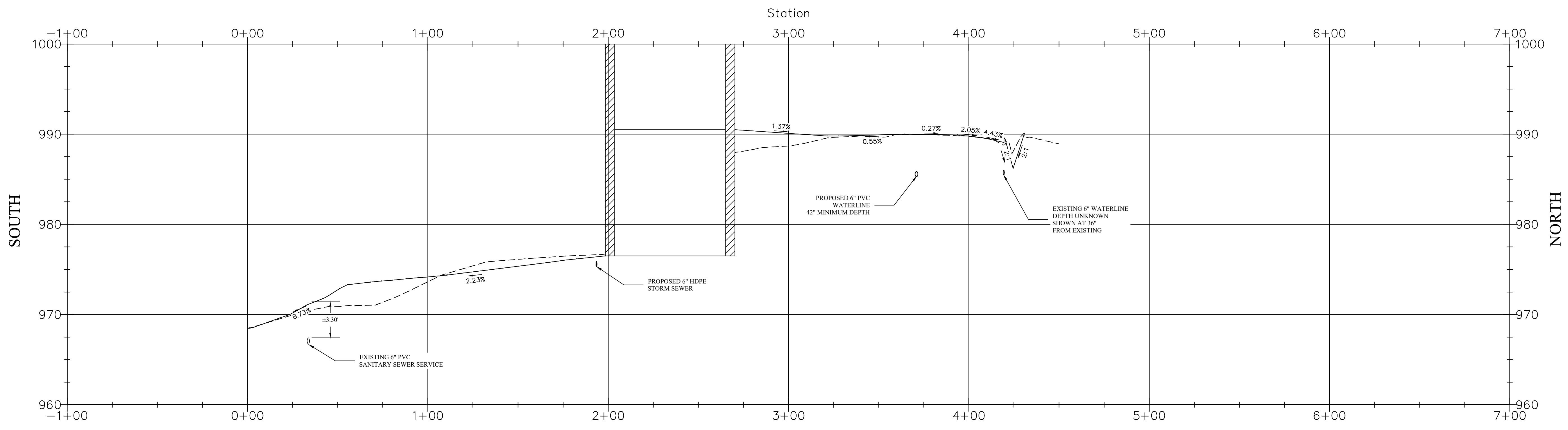
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C

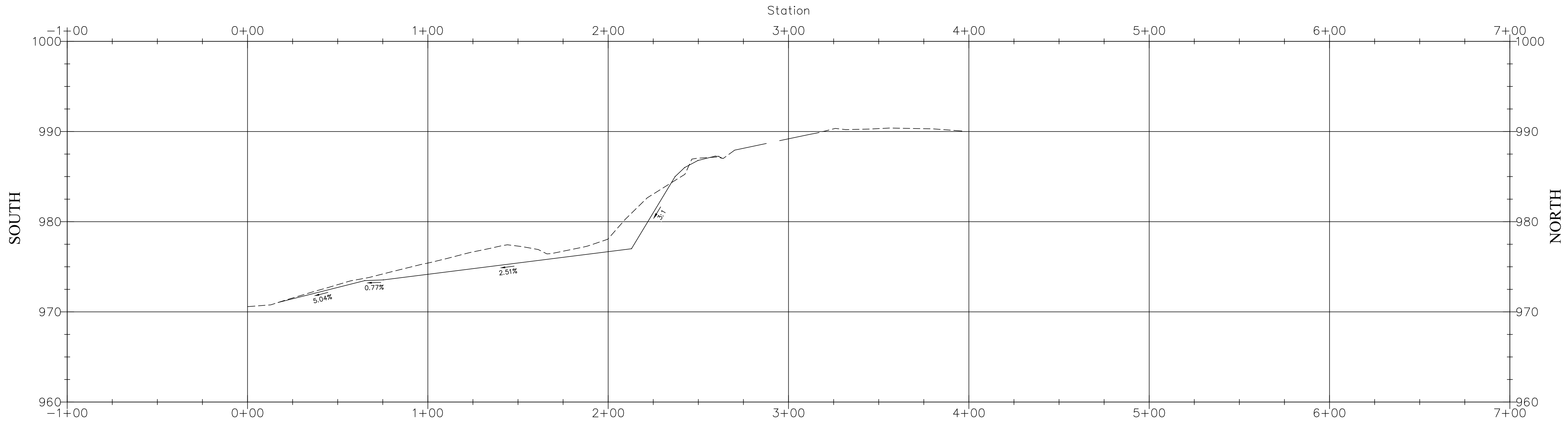
B

A

M-M PROFILE



L-L PROFILE

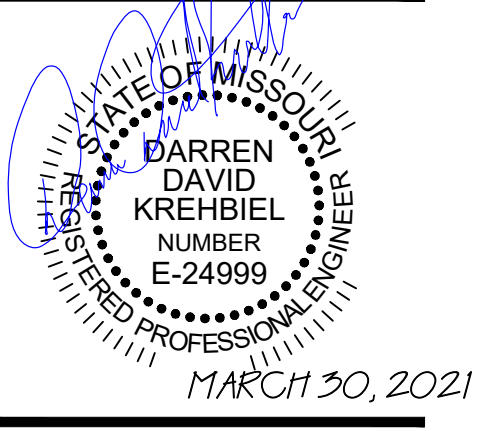


HORIZONTAL SCALE : 1"=30'
VERTICAL SCALE : 1"=6'



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63 Blair Avenue
CAMDENTON, MO 65020
TEL: 573.346.5316
krehbiel.darren@gmail.com

Civil Engineer
Darren Krehbiel Consultants, LLC.
Missouri State Certificate of Authority #201106512

Camdenton Community Center
Owner
1205 N. BUSINESS ROUTE 5
Camdenton, MO 65020

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ISSUED FOR:
ISSUE DATE: 3/30/2021
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SECTIONS
M-M TO L-L

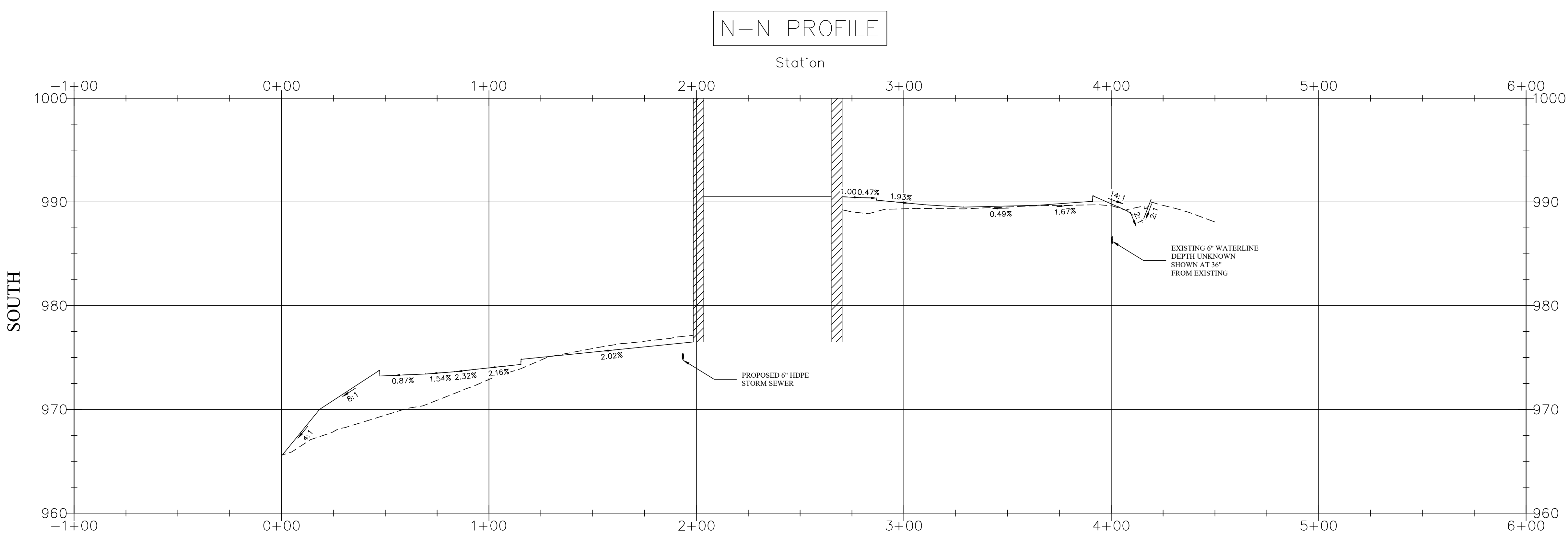
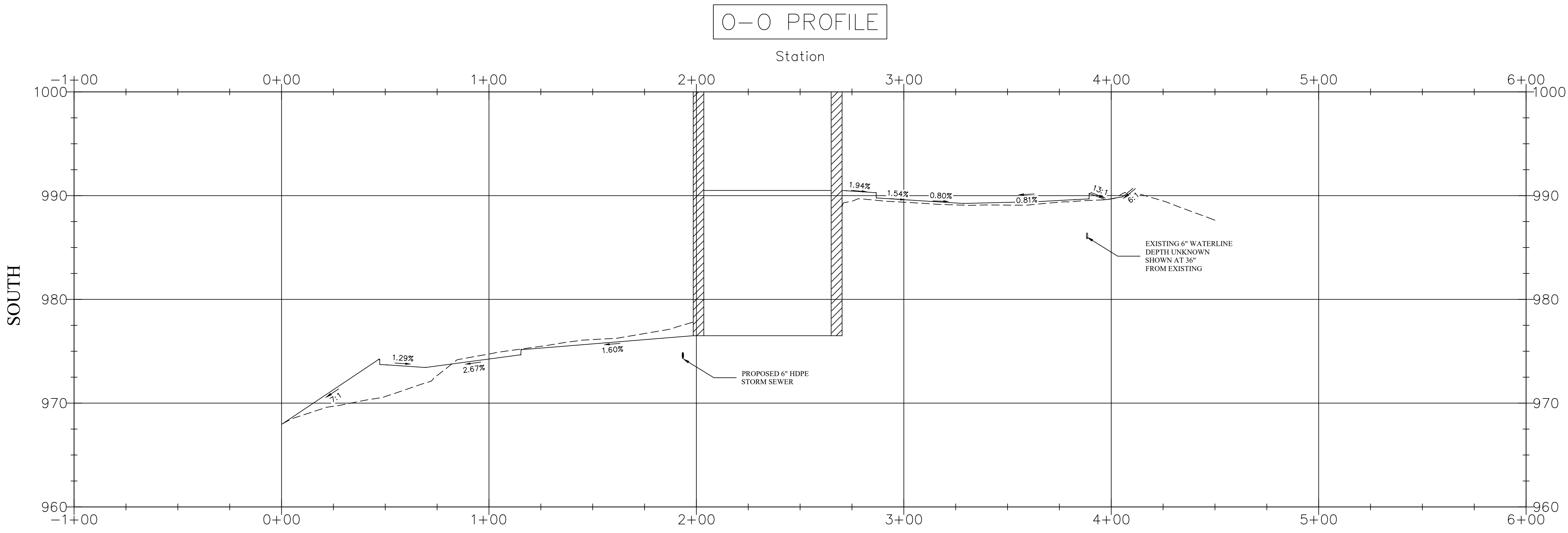
C303

D

C

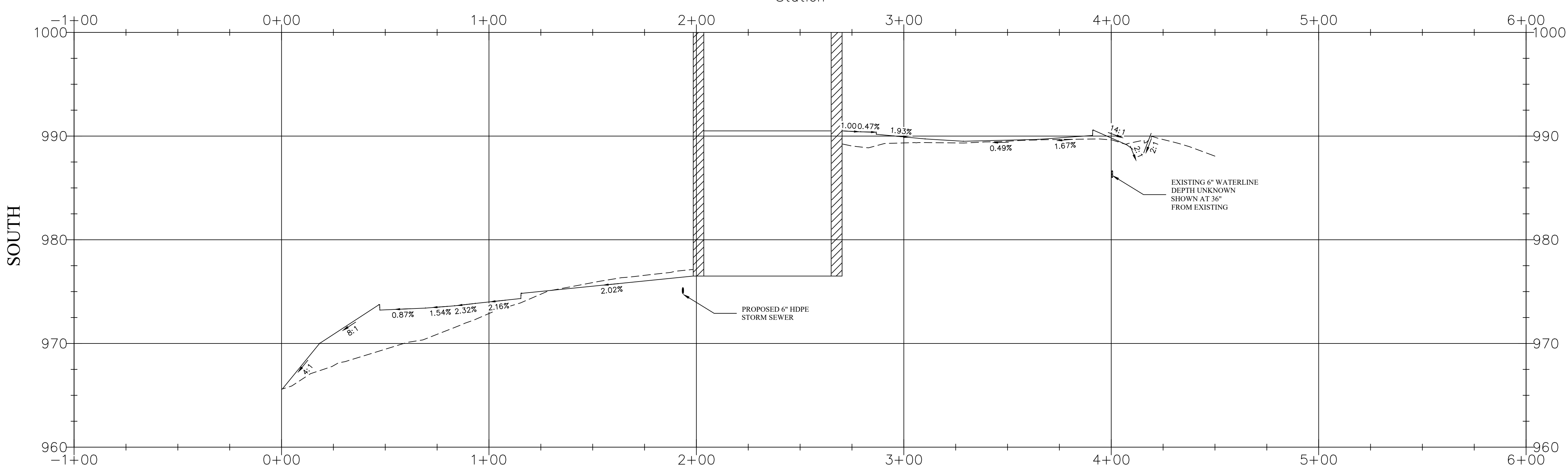
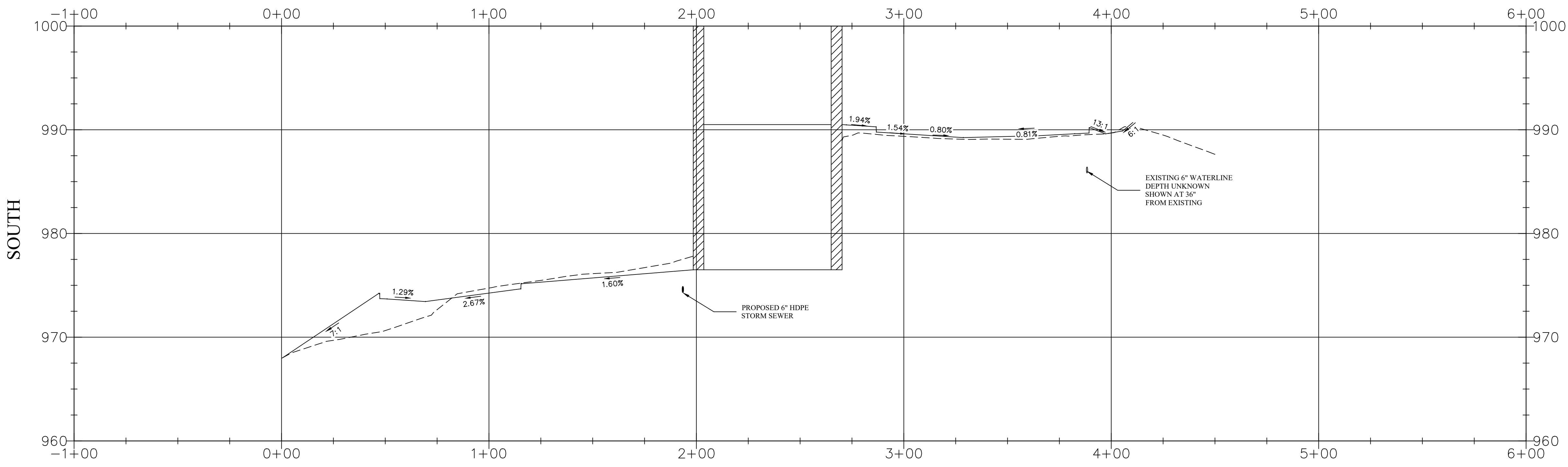
B

A



NORTH

NORTH

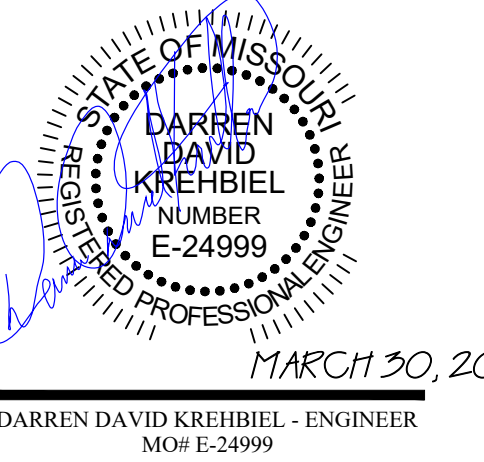


HORIZONTAL SCALE : 1"=30'
VERTICAL SCALE : 1"=6'



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63 Blair Avenue
CAMDENTON, MO 65020
TEL: 573.346.5316
krehbiel.darren@gmail.com

Civil Engineer
Darren Krehbiel Consultants, LLC.
Missouri State Certificate of Authority
#2011065212

Camdenton Community Center
Owner
1205 N. BUSINESS ROUTE 5
Camdenton, MO 65020

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SECTIONS
N-N TO O-O

C304

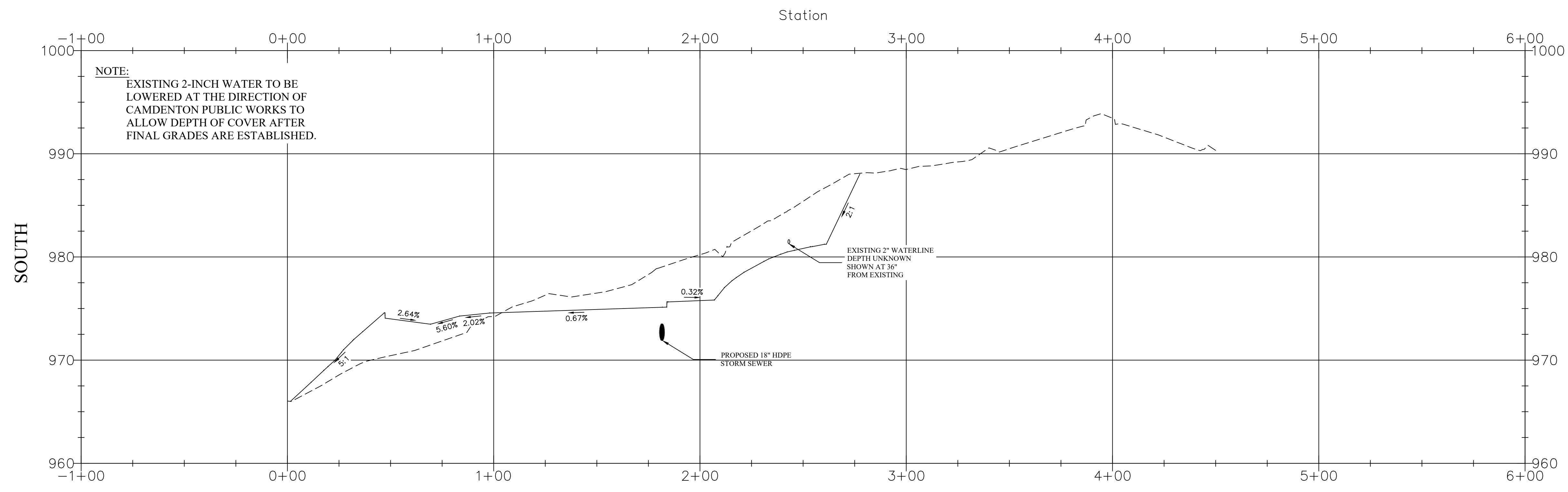
D

C

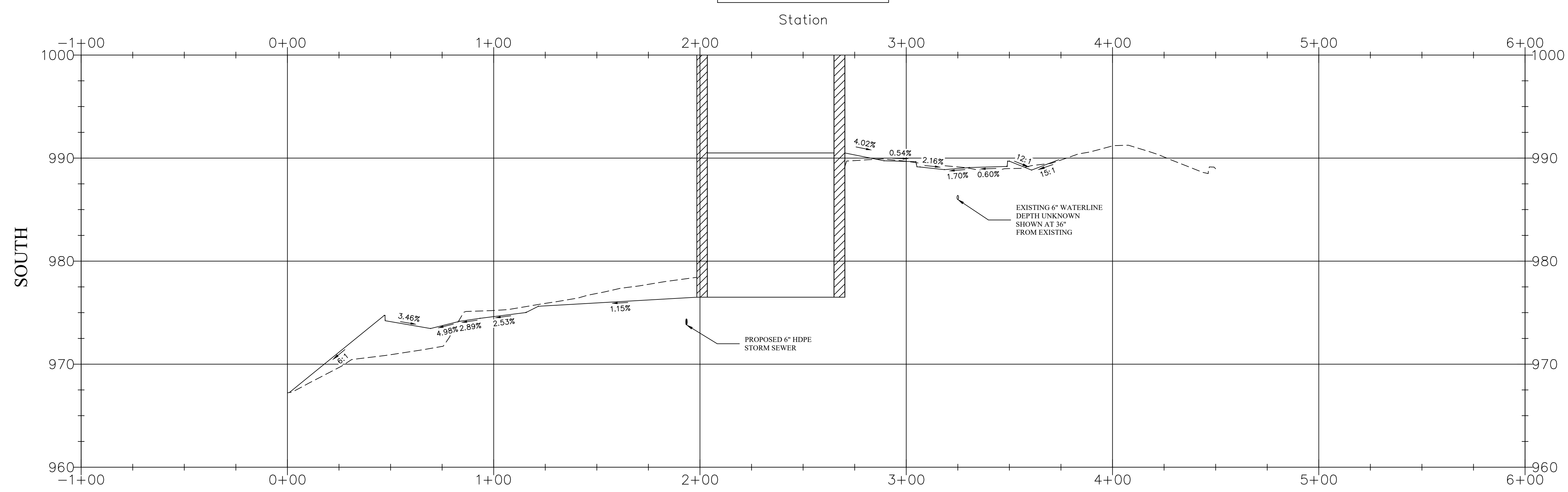
B

A

Q-Q PROFILE



P-P PROFILE



NORTH

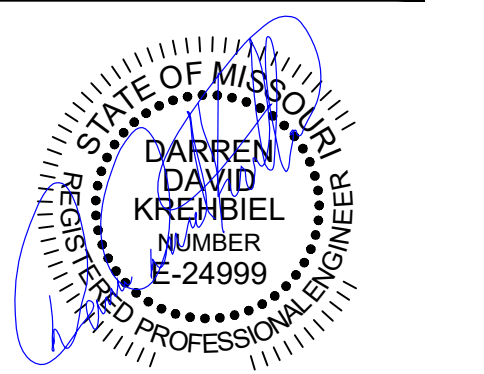
NORTH

HORIZONTAL SCALE : 1"=30'
VERTICAL SCALE : 1"=6'



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DARREN DAVID KREHBIEL - ENGINEER
MO E-24999

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63 Blair Avenue
CAMDENTON, MO 65020
TEL: 573.346.5316
krehbiel.darren@gmail.com

Civil Engineer
Darren Krehbiel Consultants, LLC.
Missouri State Certificate of Authority
#201106312

Camdenton Community Center
Owner
1205 N. BUSINESS ROUTE 5
Camdenton, MO 65020

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SECTIONS
P-P TO Q-Q

C305

1

2

3

4

5

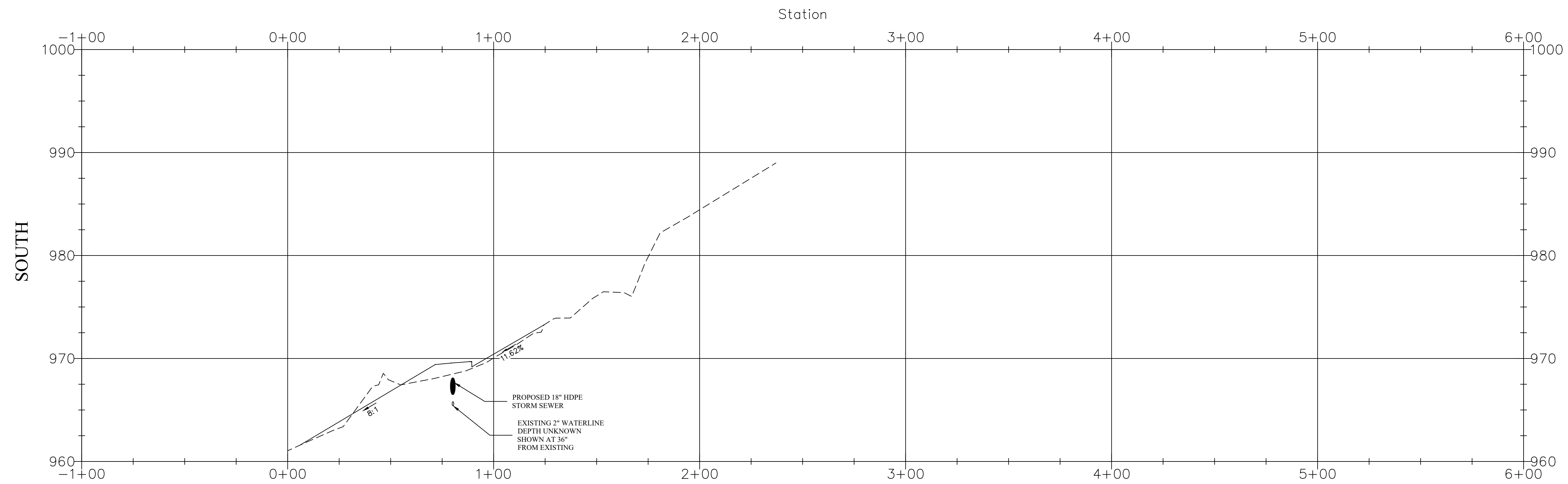
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C

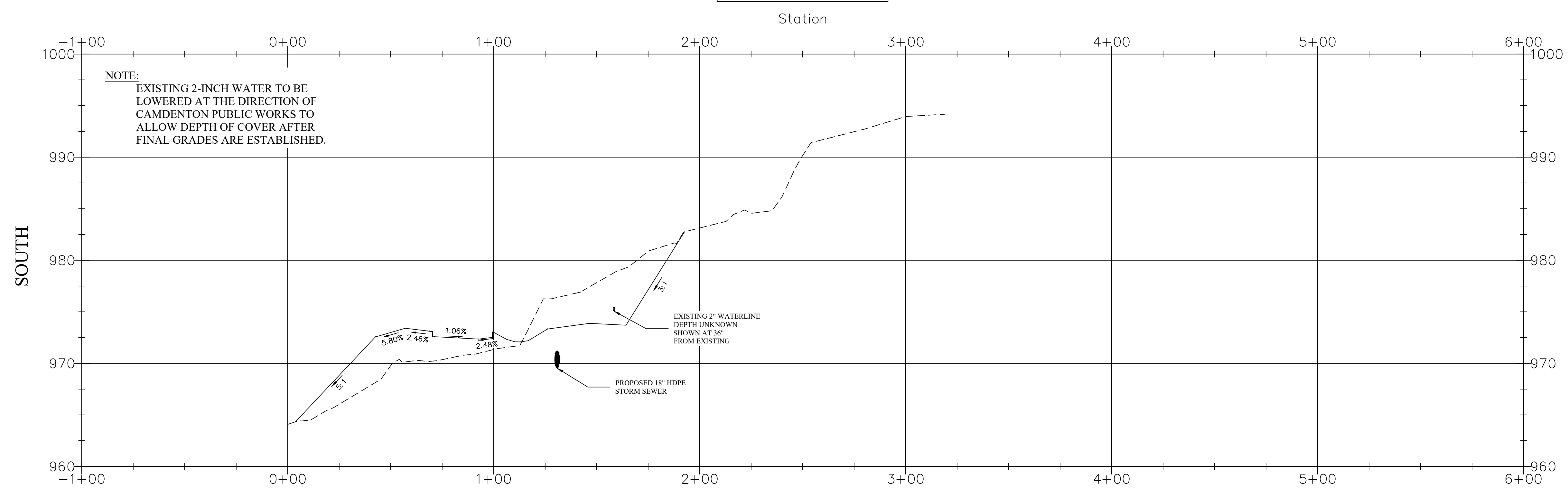
B

A

S-S PROFILE



R-R PROFILE



HORIZONTAL SCALE : 1"=30'
 VERTICAL SCALE : 1"=6'



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DARREN DAVID KREHBIEL - ENGINEER
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63 Blair Avenue
 CAMDENTON, MO 65020
 TEL: 573.346.5316
 krehbiel.darren@gmail.com

Civil Engineer

Darren Krehbiel Consultants, LLC.
 Missouri State Certificate of Authority
 #2011065212

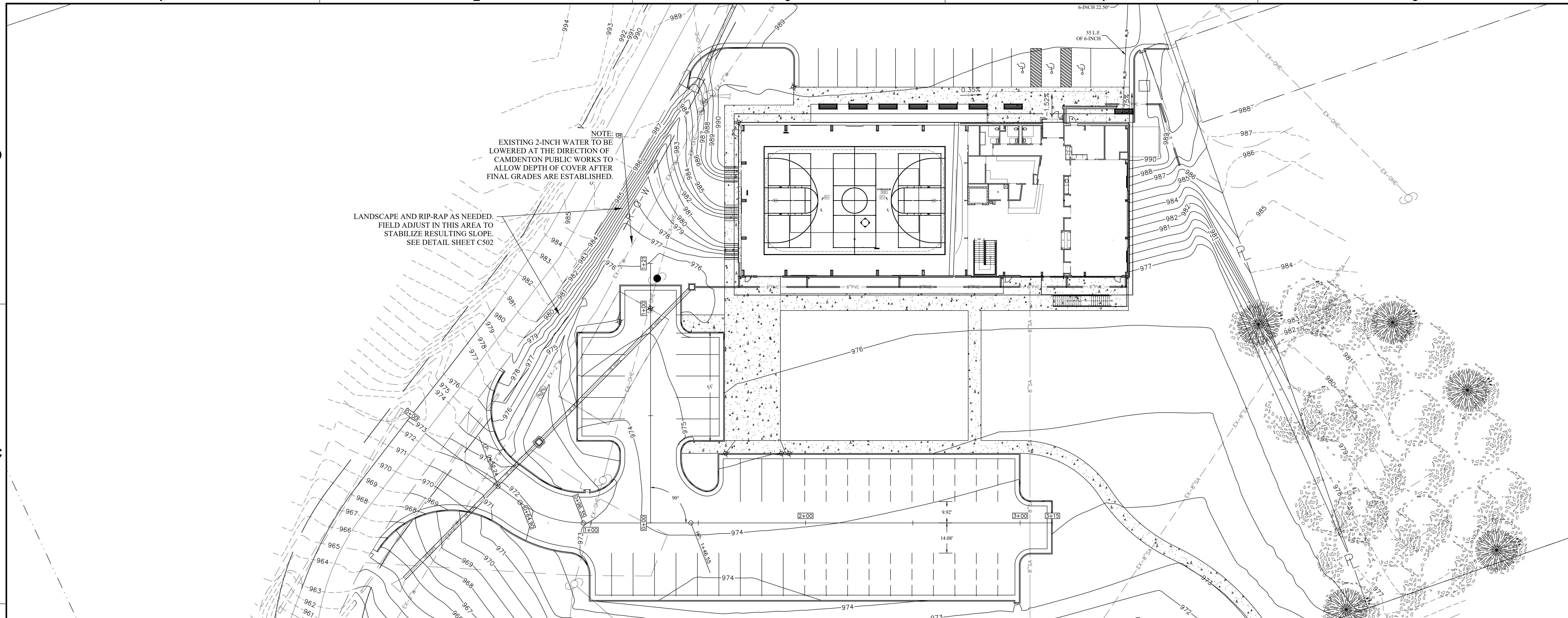
Camdenton Community Center

Owner
 1205 N. BUSINESS ROUTE 5
 Camdenton, MO 65020

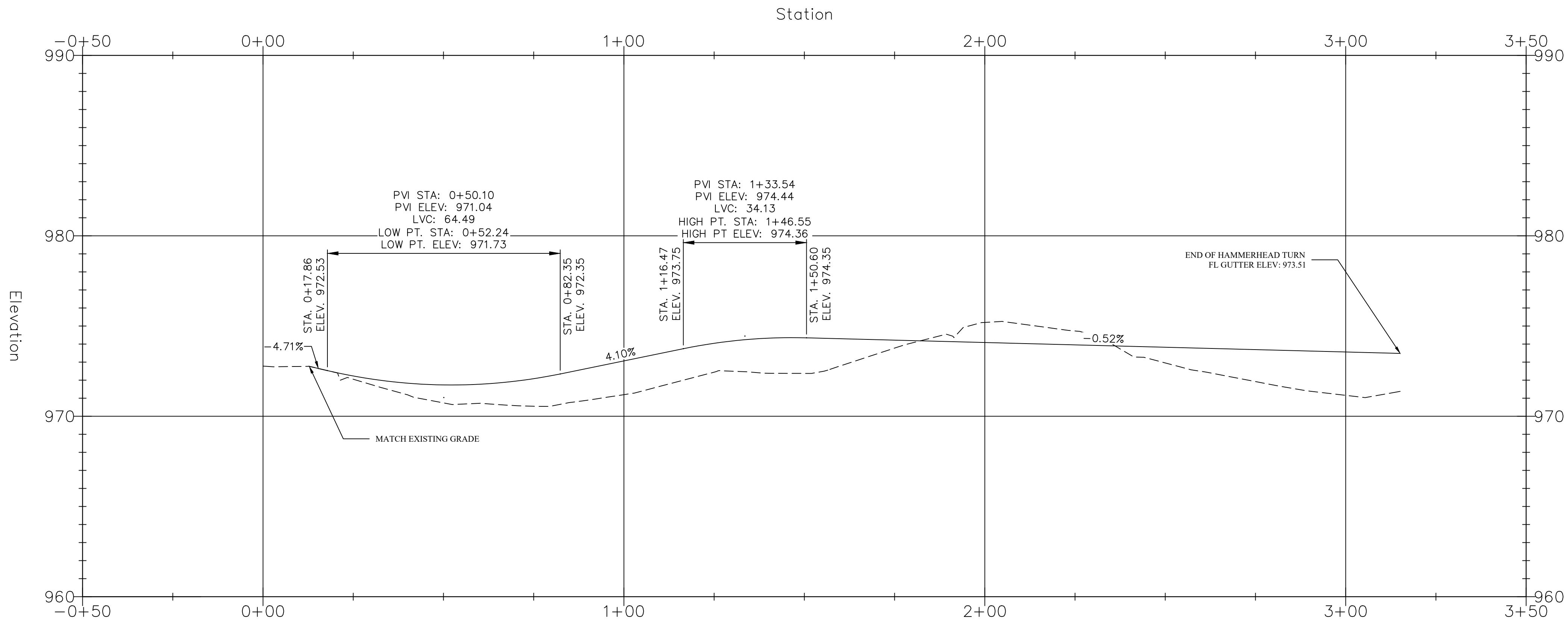
SFS PROJECT NO: 181012
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SECTIONS
 R-R TO S-S

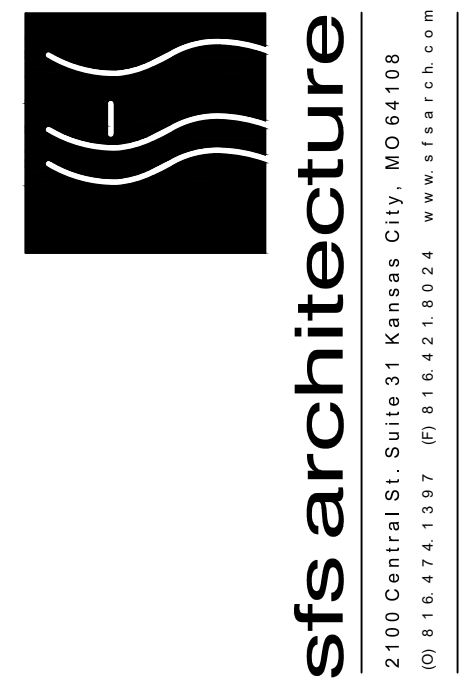
C306



BASE LINE OF SOUTH PARKING LOT PROFILE

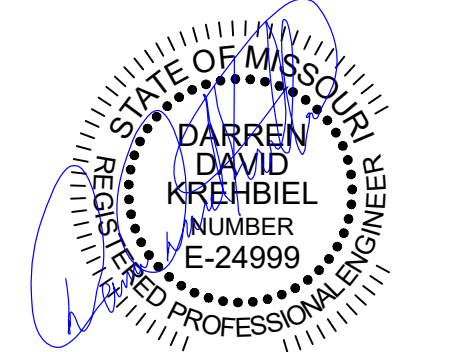


HORIZONTAL SCALE : 1"=20'
VERTICAL SCALE : 1"=4'



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63 Blair Avenue
CAMDENTON, MO 65020
TEL: 573.346.5316
krehbiel.darren@gmail.com

Civil Engineer

Darren Krehbiel Consultants, LLC.
Missouri State Certificate of Authority
#2011005212

Camdenton Community Center
Owner
1205 N. BUSINESS ROUTE 5
Camdenton, MO 65020

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ISSUED FOR:
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BASELINE PROFILE OF SOUTH PARKING LOT

C307

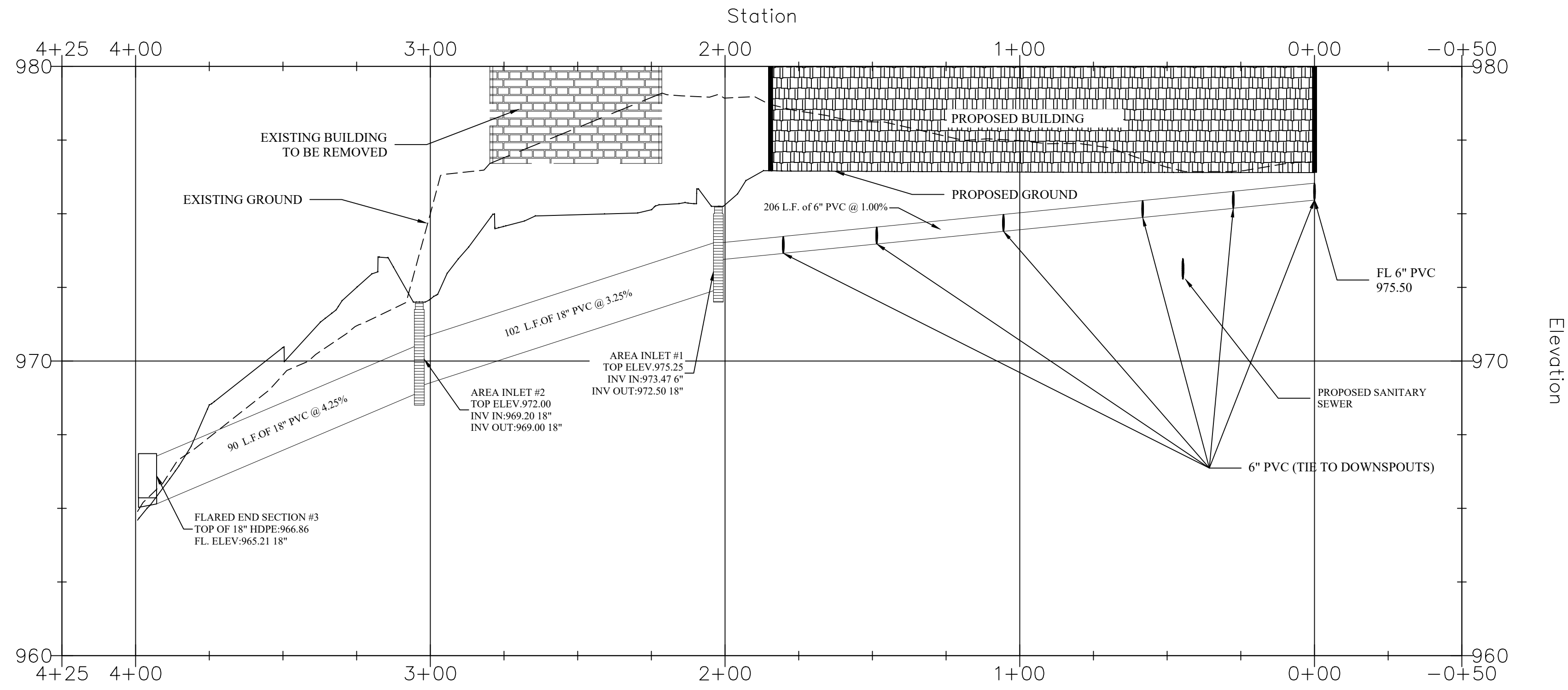
D

C

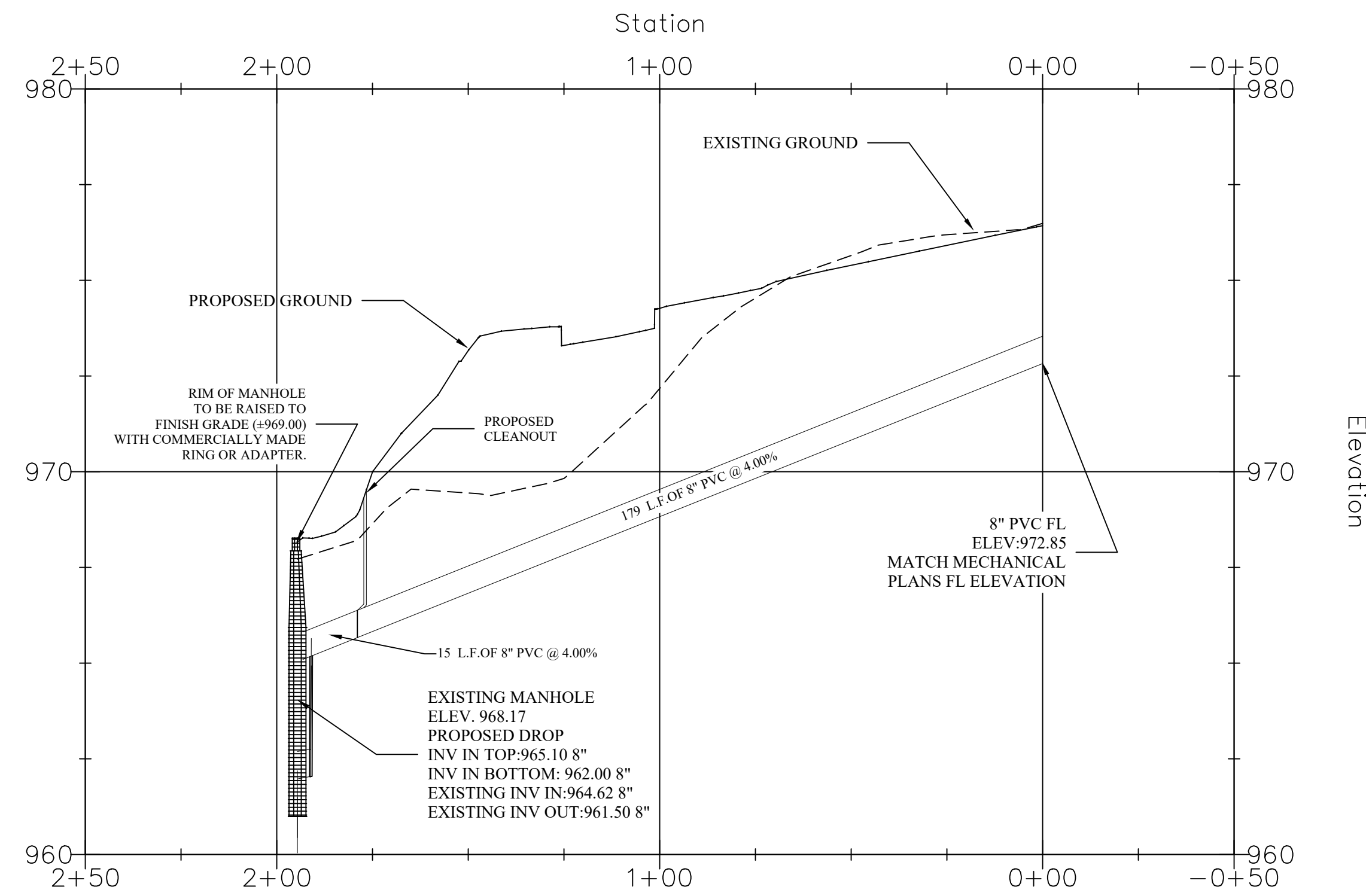
B

A

PROPOSED 18 INCH STORM SEWER PROFILE

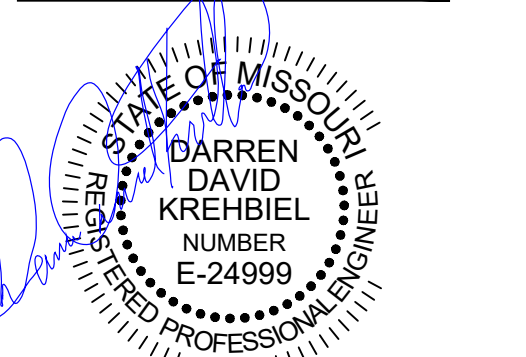


PROPOSED SEWER PROFILE



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DARREN DAVID KREHBIEL - ENGINEER
 MO# E-24999

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63 Blair Avenue
 CAMDENTON, MO 65020
 TEL: 573.346.5316
 krehbiel.darren@gmail.com

Civil Engineer

Darren Krehbiel Consultants, LLC.
 Missouri State Certificate of Authority #2011065212

Camdenton Community Center

Owner
 1205 N. BUSINESS ROUTE 5
 Camdenton, MO 65020

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SANITARY & STORM SEWER PROFILES

C308

HORIZONTAL SCALE : 1"=30'
 VERTICAL SCALE : 1"=3'

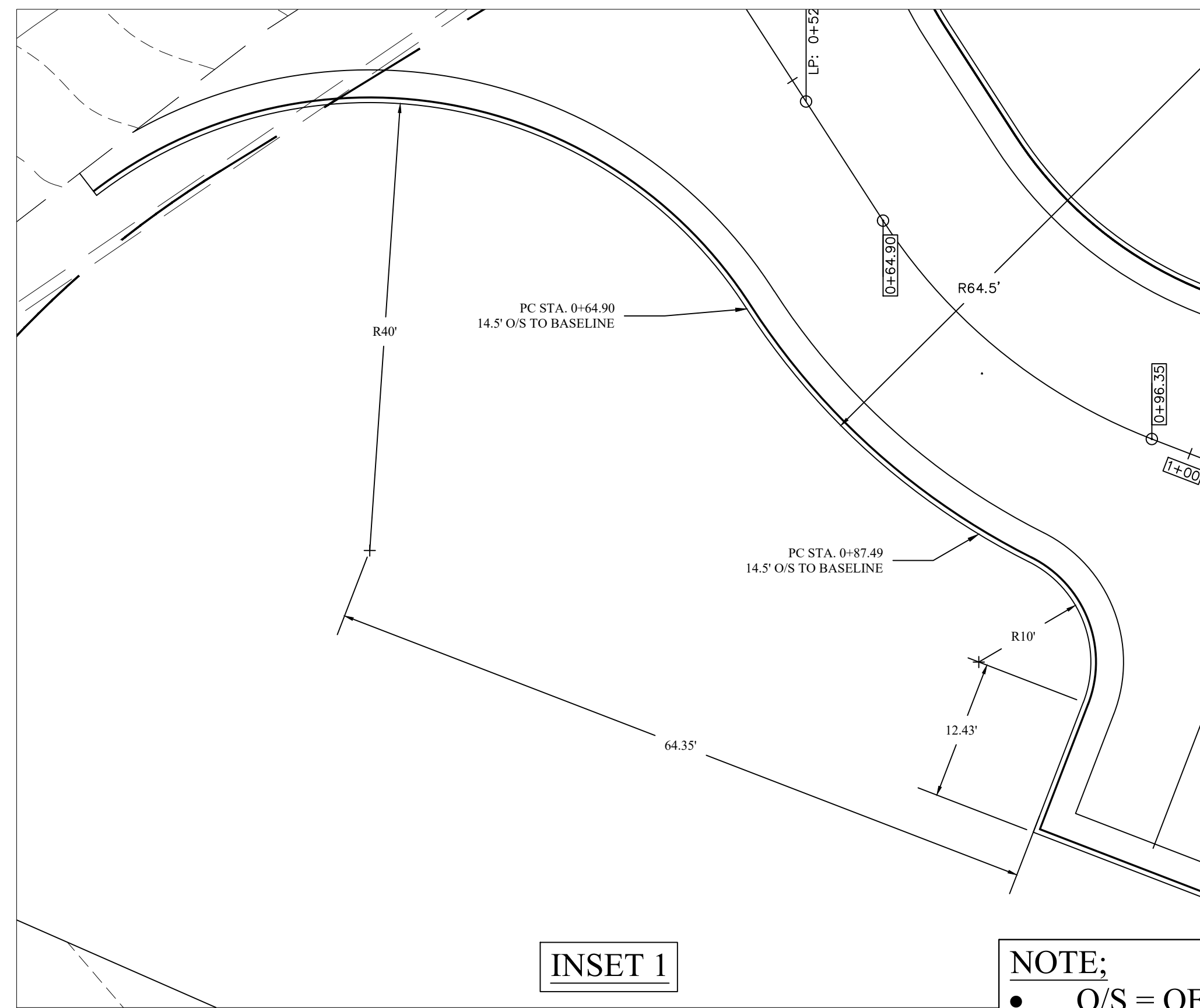
1

2

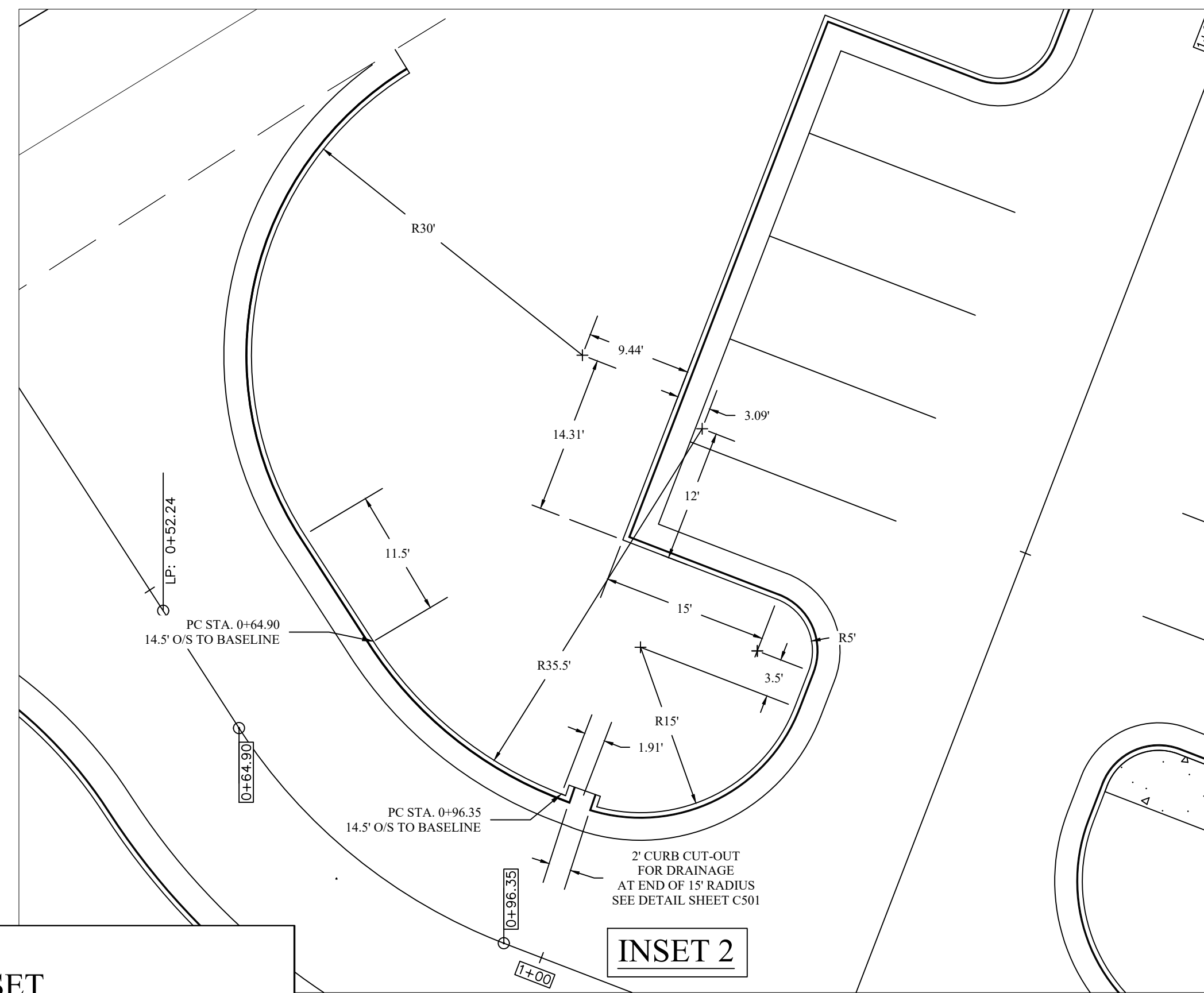
3

4

5



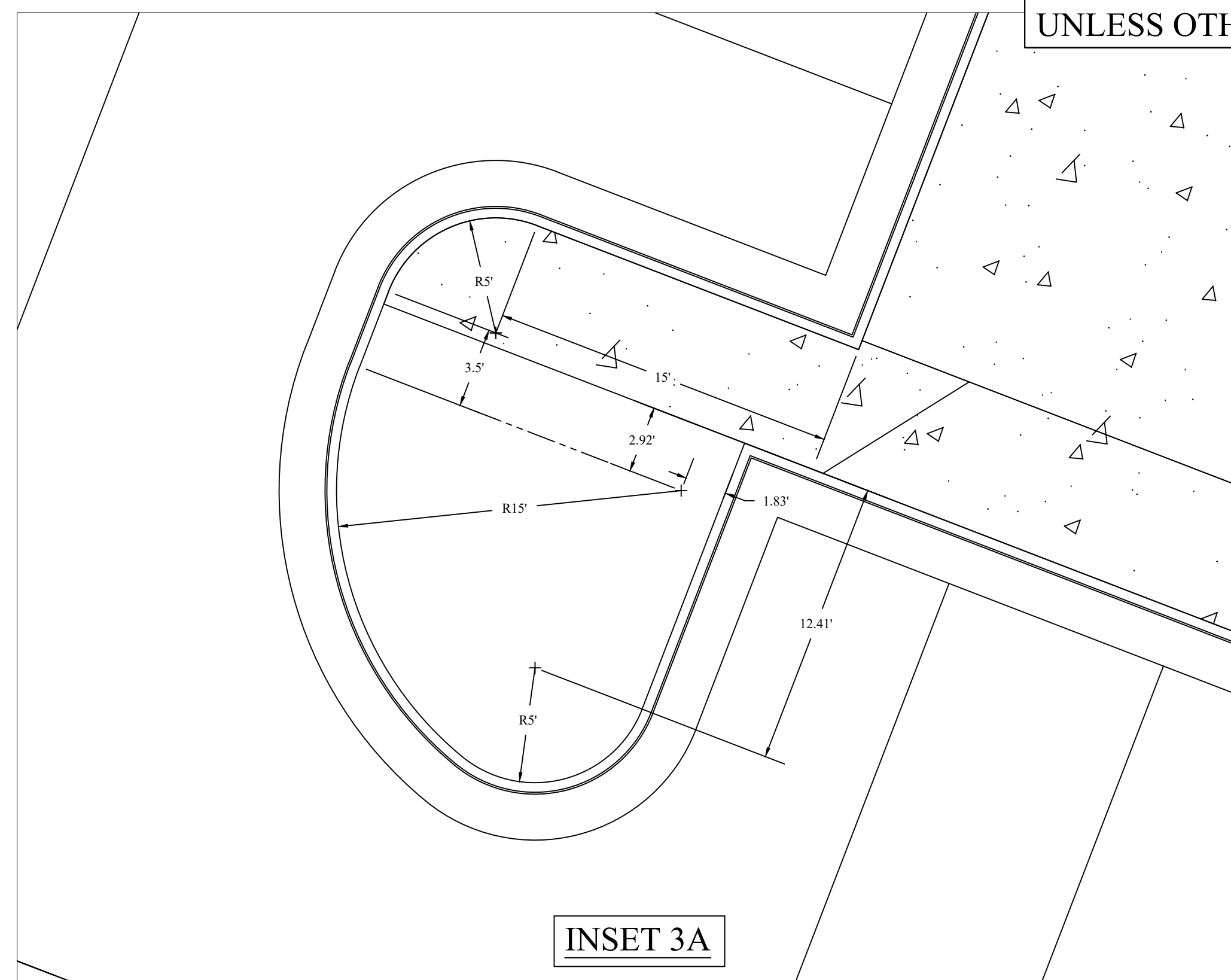
INSET 1



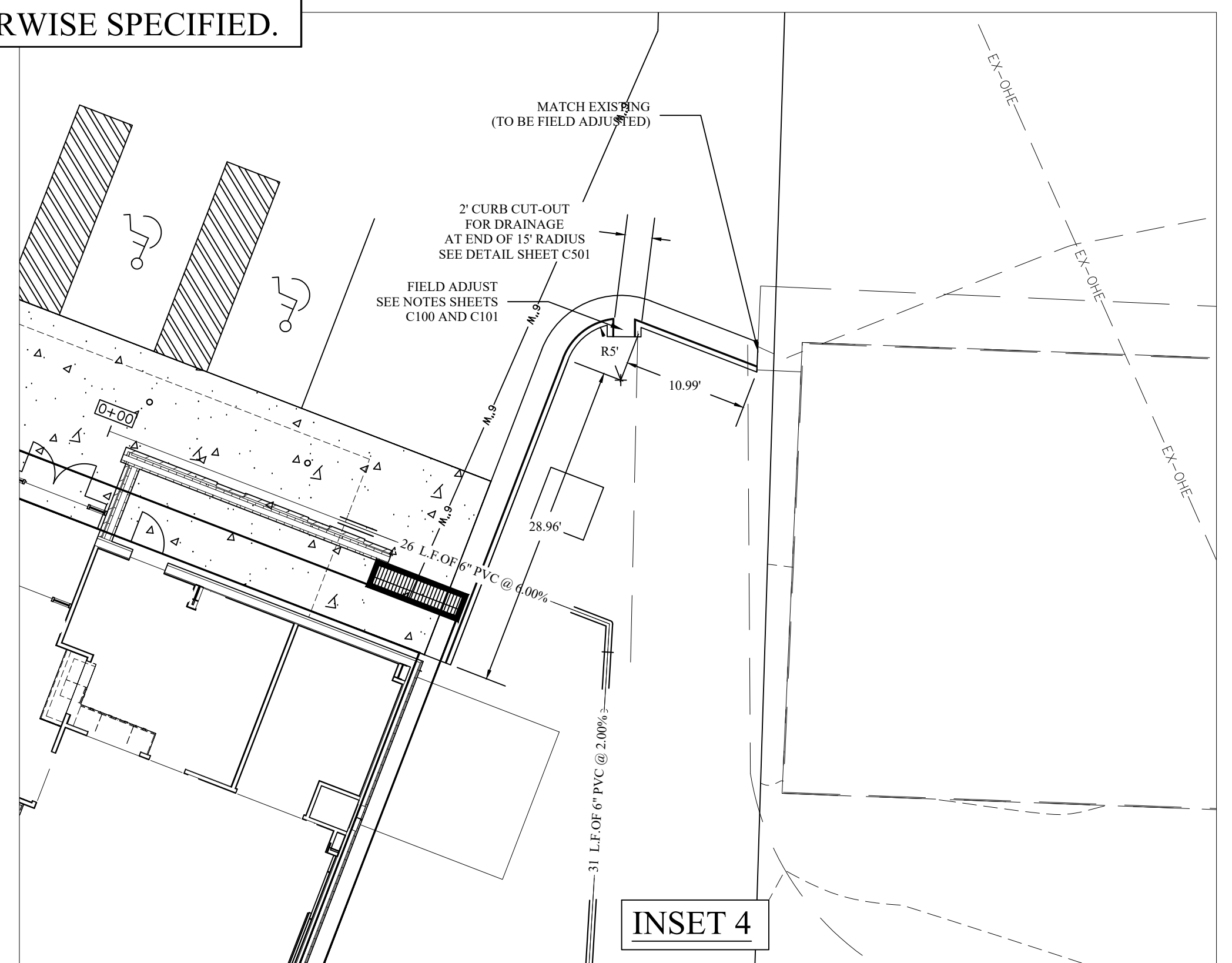
INSET 2

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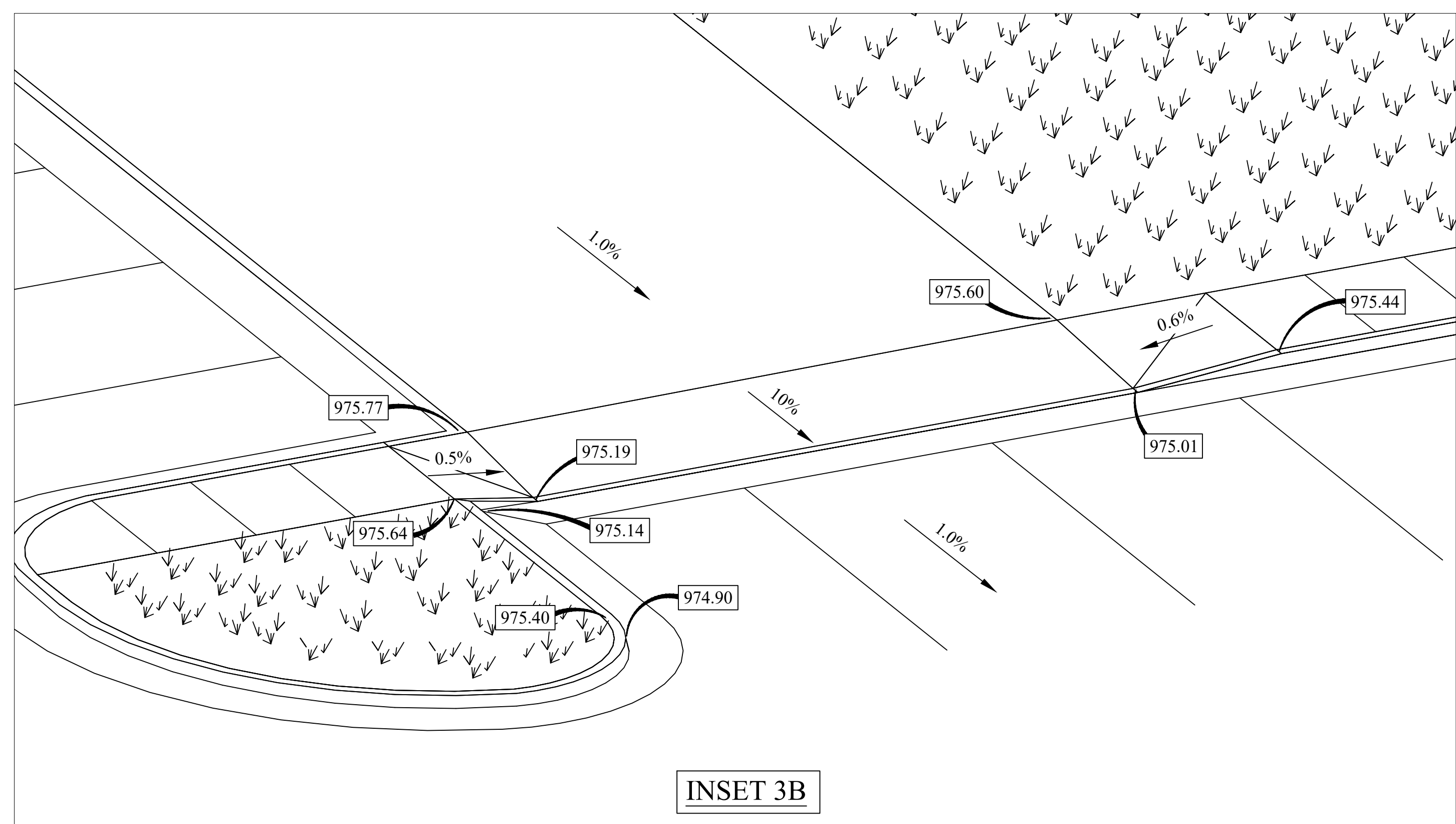
- O/S = OFFSET
- BOC = BACK OF CURB UNLESS OTHERWISE SPECIFIED.



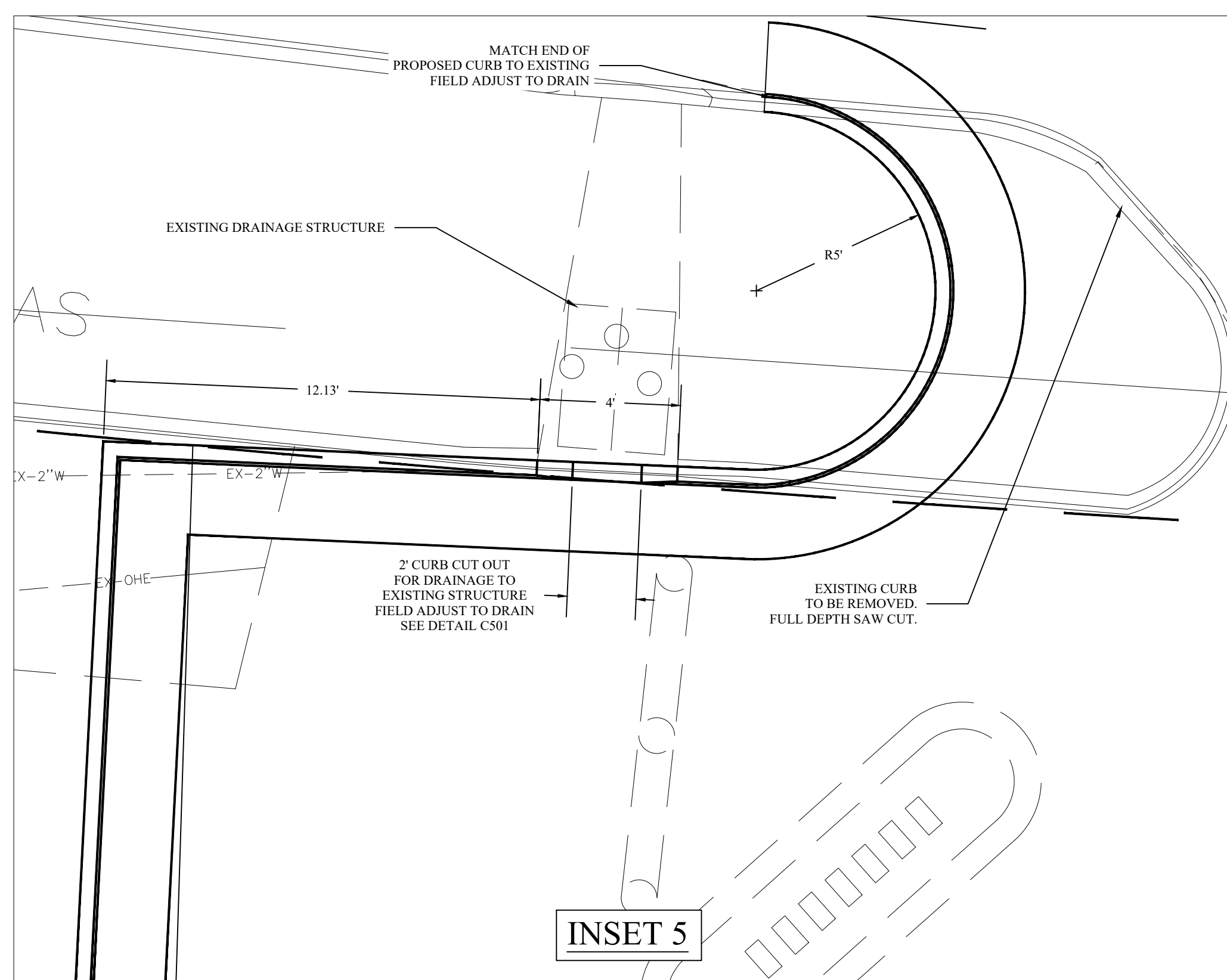
INSET 3A



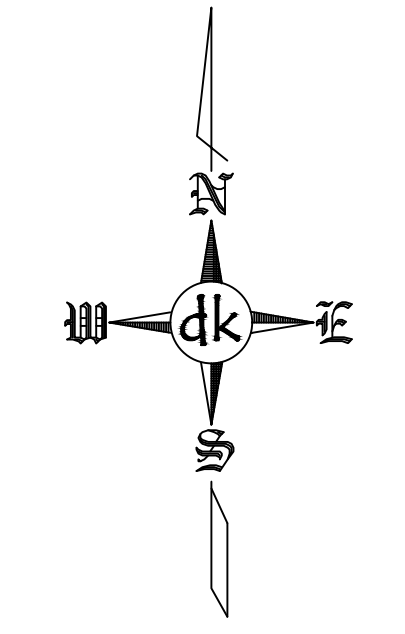
INSET 4



INSET 3B



INSET 5



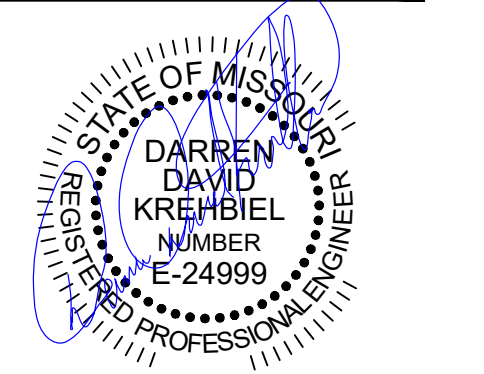
SCALE: 1"=20'

LEGEND

- - - - - PROPERTY LINE
- - - - - GAS LINE
- - - - - EXISTING UTILITY POLE
- - - - - PROPOSED UTILITY POLE
- - - - - UTILITY POLE ANCHOR
- - - - - OVERHEAD ELECTRIC
- - - - - EXISTING SEWER MANHOLE
- - - - - VALVE
- - - - - WATER METER
- - - - - FIRE HYDRANT
- - - - - EXISTING IRON PIN
- - - - - EXISTING FORCE MAIN
- - - - - EXISTING 8" SANITARY SEWER
- - - - - PROPOSED 8" SANITARY SEWER
- - - - - EX-6" C.I. EXISTING 6" CAST IRON WATER LINE
- - - - - PROPOSED 6" PVC WATER LINE
- - - - - PROPOSED 18" HDPE
- - - - - PROPOSED 6" PVC
- - - - - EXISTING CONTOUR
- - - - - PROPOSED CONTOUR
- - - - - PROPOSED THICKENED ASPHALT (HEAVY TRAFFIC)

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DARREN DAVID KREHBIEL - ENGINEER
 MO# E-24999

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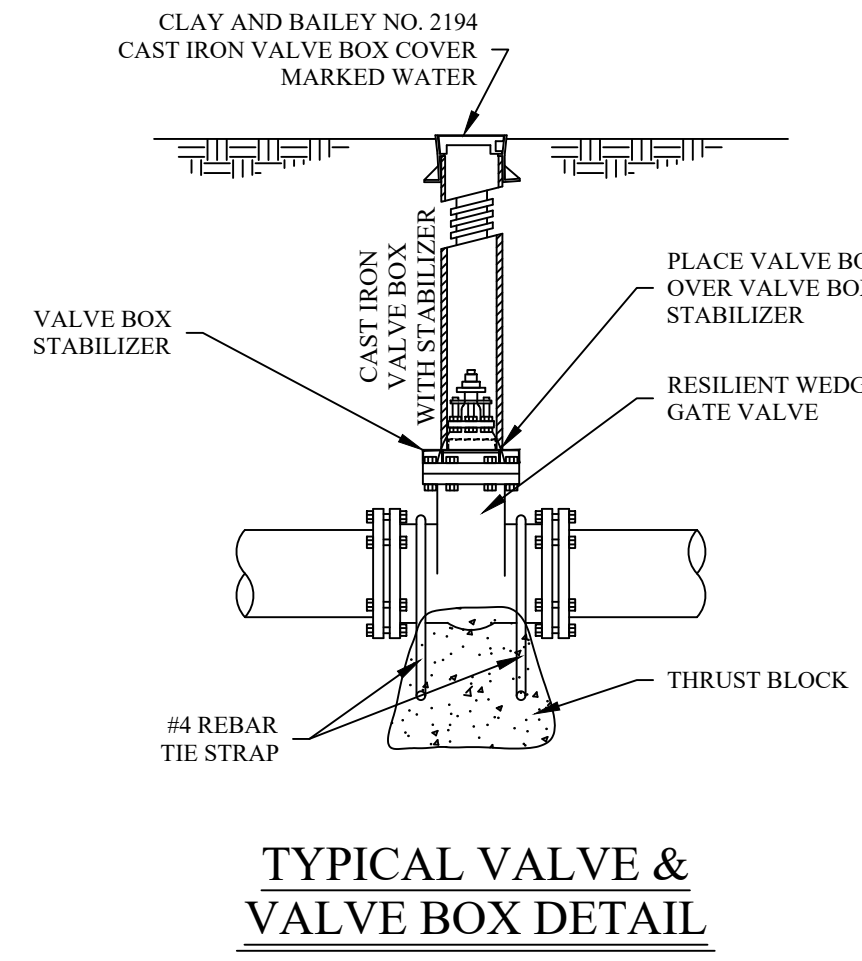
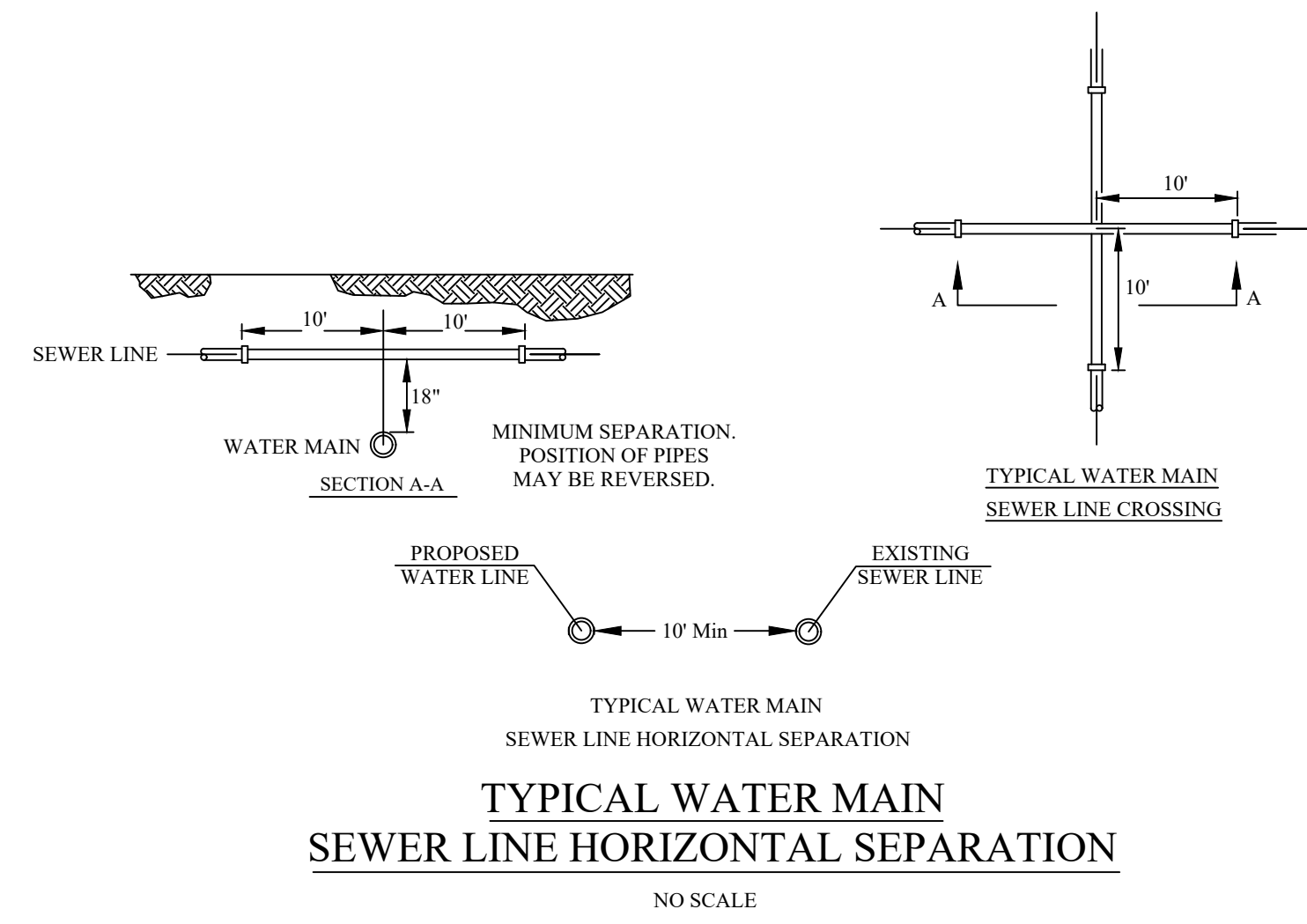
63 Blair Avenue
 CAMDENTON, MO 65020
 TEL: 573.346.5316
 krehbiel.darren@gmail.com

Civil Engineer
 Darren Krehbiel Consultants, LLC.
 Missouri State Certificate of Authority #2011063212

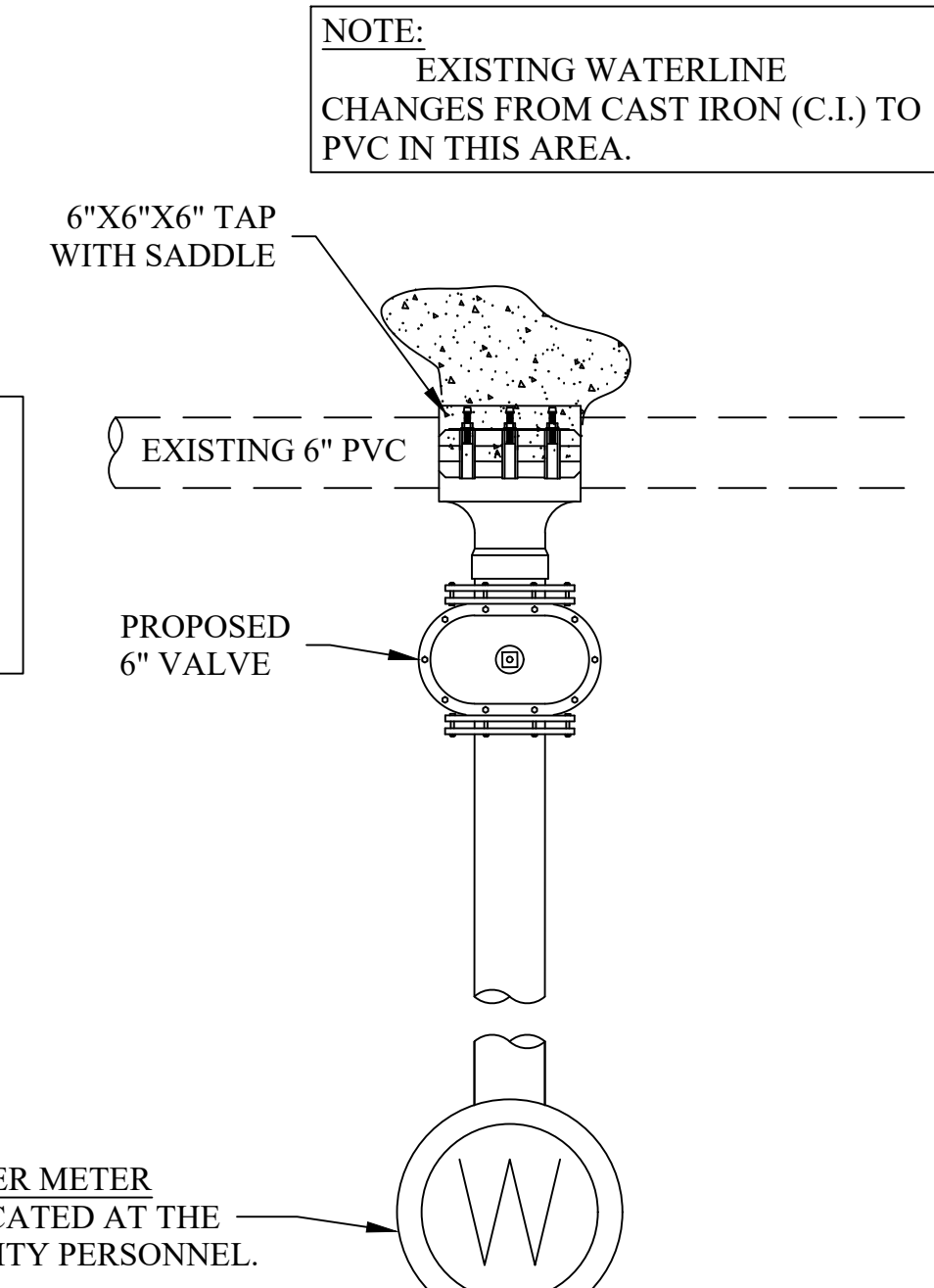
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 Owner
 1205 N. BUSINESS ROUTE 5
 Camdenton, MO 65020

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ISLAND INSETS & DETAILED VIEWS

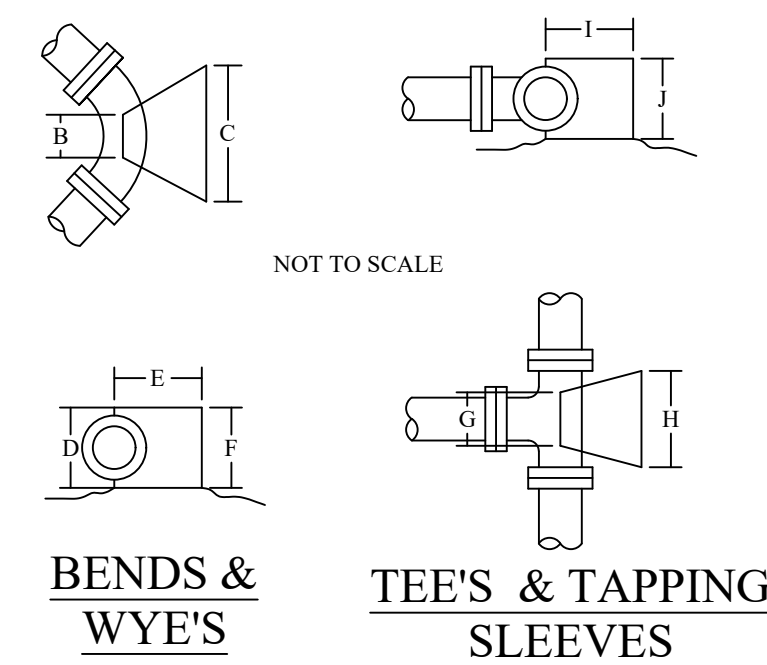
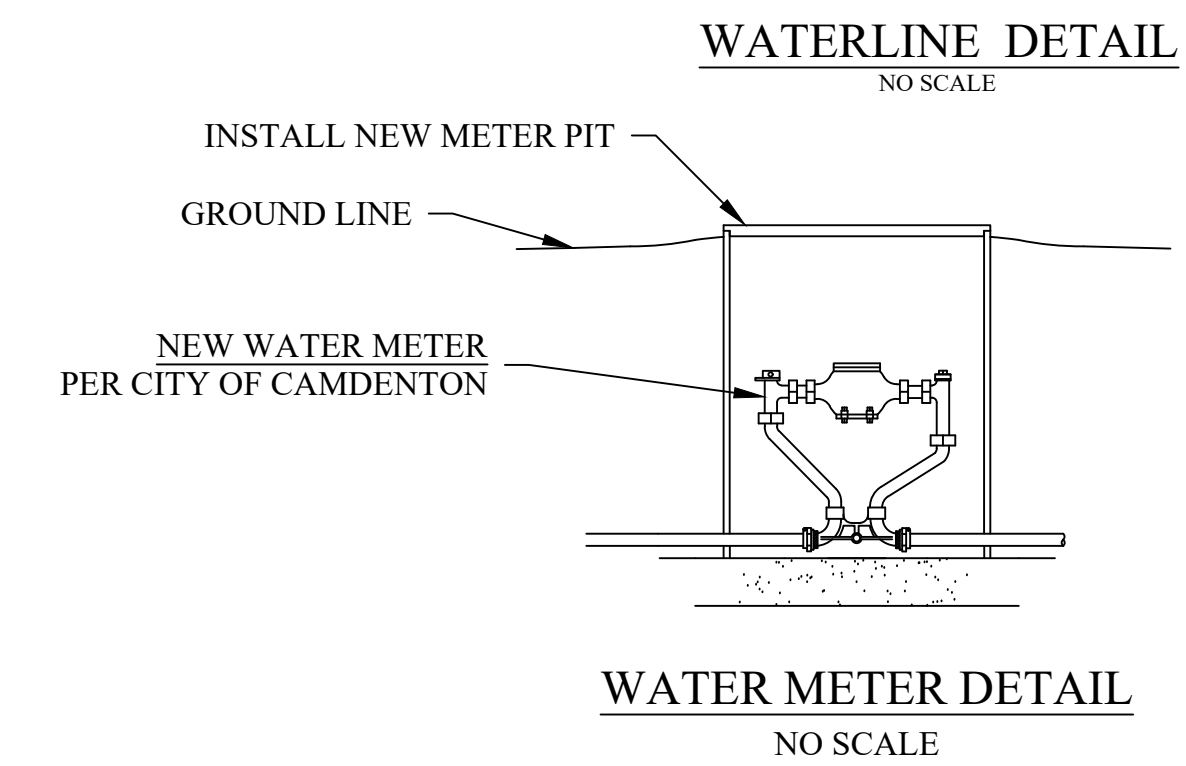
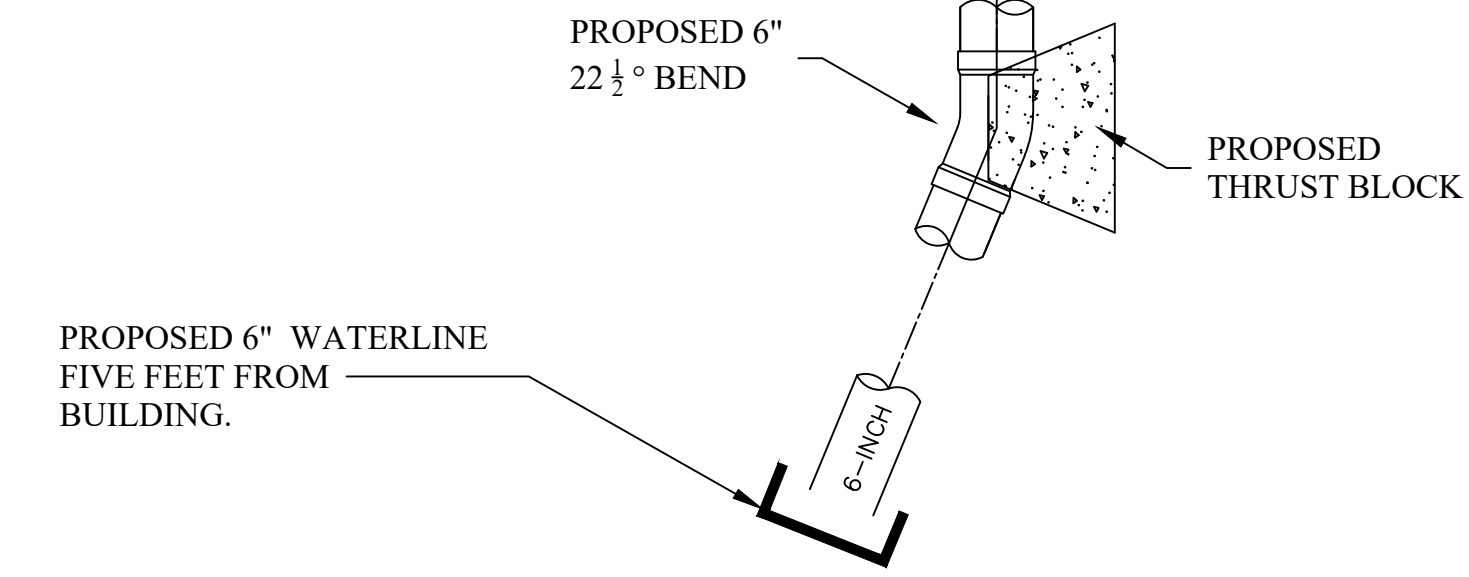
C400



EXISTING PRESSURE RANGE = 53psi TO 56psi
ELEVATION = 990 (GROUND)



NOTE: FOR CONTINUATION TO BUILDING SEE MECHANICAL PLANS.
SIZE REDUCTION PER MECHANICAL ENGINEER.



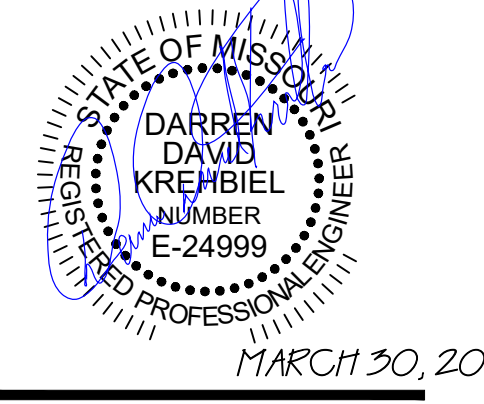
BENDS					
SIZE	ANGLE	B	C	D	E
6"	11 1/4°	8"	15"	12"	24"
6"	22 1/2°	8"	19"	12"	24"
6"	45°	8"	30"	12"	24"
6"	90°	8"	30"	12"	24"

TEE'S					
SIZE	G	H	I	J	
4" X 4" X 4"	8"	19"	12"	4"	
6" X 6" X 6"	12"	24"	24"	18"	
8" X 8" X 8"	12"	24"	24"	18"	
8" X 8" X 8"	12"	24"	24"	24"	

- TAPPING SLEEVES TO HAVE THRUST BLOCKS. SAME SIZE AS REQUIRED FOR TEE'S.
- CONCRETE TO BE 4000 PSI ON 28 DAY BREAK.
- FOR THRUST BLOCKS NOT LISTED OR SHOWN, THE OWNER'S REPRESENTATIVE SHALL DETERMINE SIZE AND PLACEMENT.

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63 Blair Avenue
CAMDENTON, MO 65020
TEL: 573.346.5316
krehbiel.darren@gmail.com

Civil Engineer
Darren Krehbiel Consultants, LLC.
Missouri State Certificate of Authority #2011065212

Camdenton Community Center
Owner
1205 N. BUSINESS ROUTE 5
Camdenton, MO 65020

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WATER DETAILS

C500

1

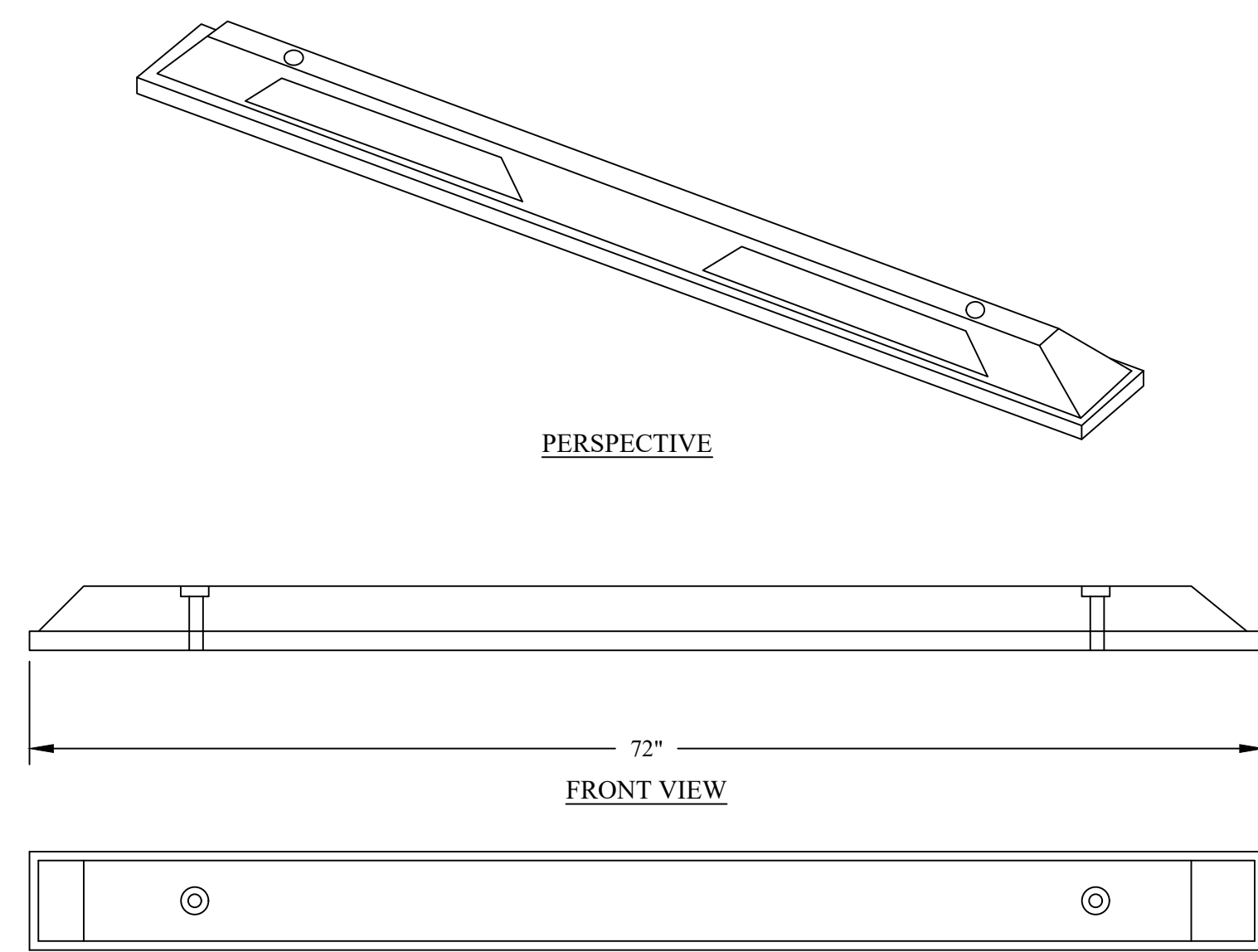
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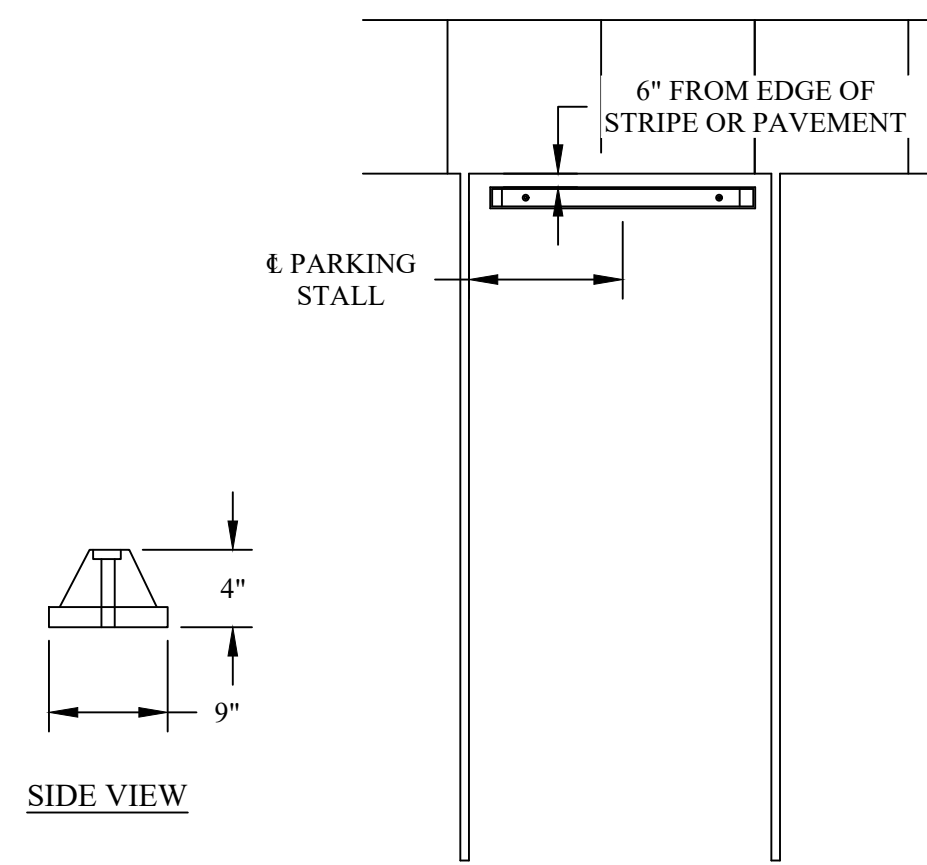
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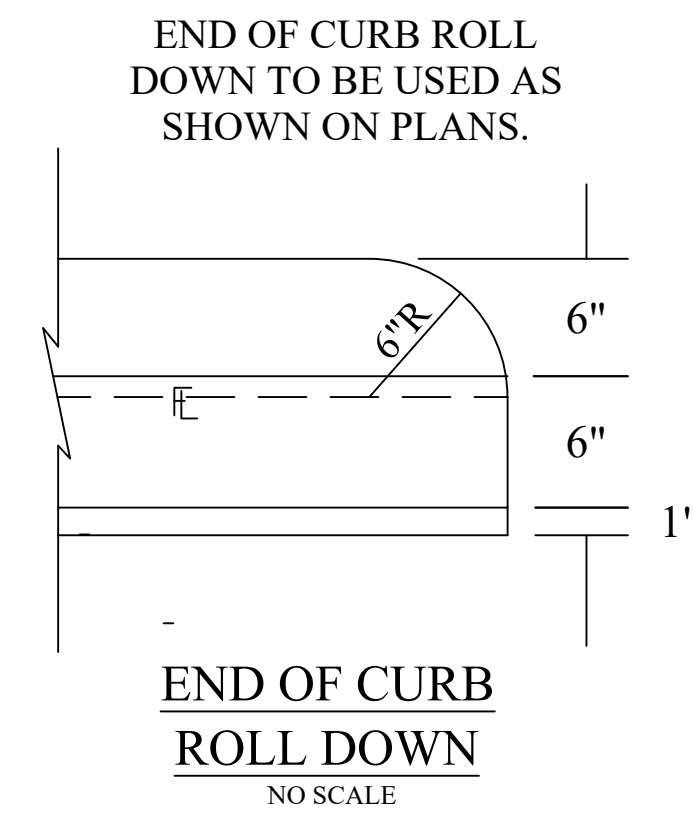
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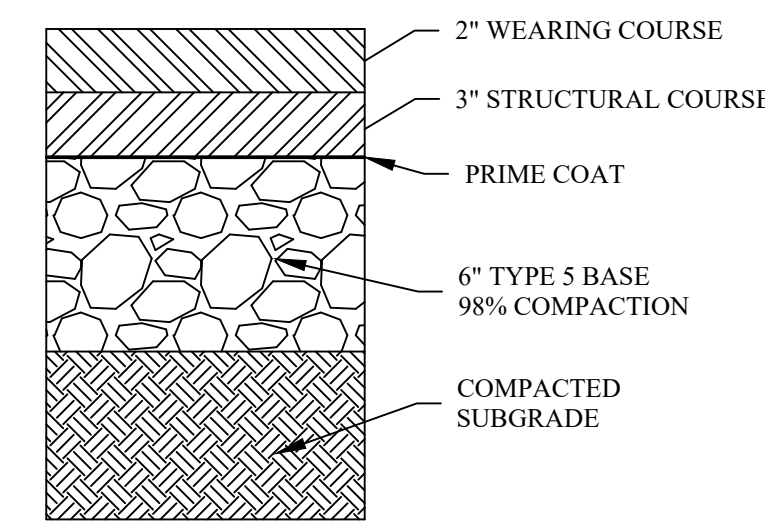
PARKING BUMPER DETAIL
NO SCALE



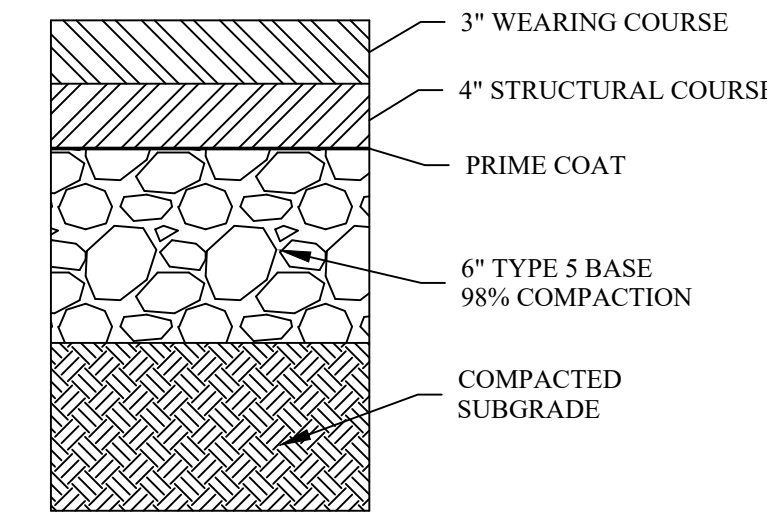
90° STRIPING DETAIL (10'X20')
NO SCALE



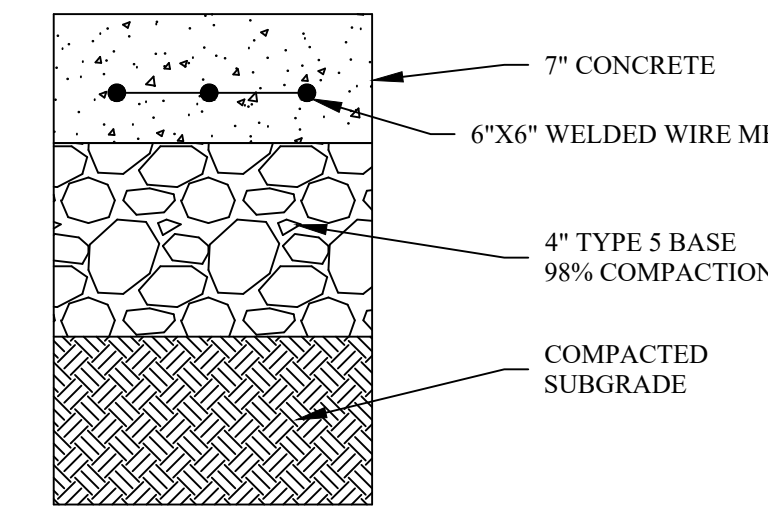
END OF CURB ROLL DOWN
NO SCALE



ASPHALT PAVEMENT SECTION
NO SCALE

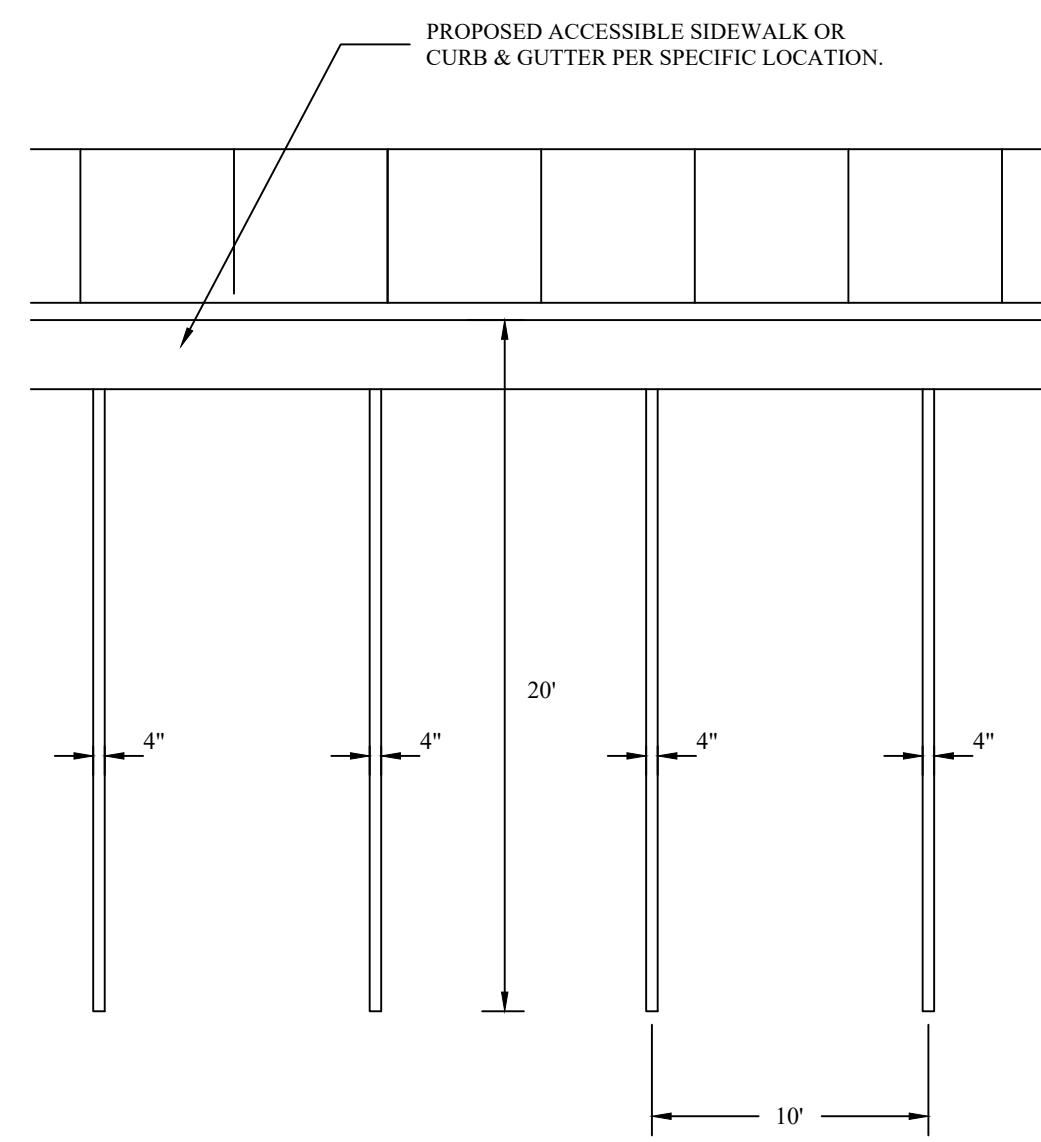


HEAVY TRAFFIC PAVEMENT SECTION
NO SCALE



CONCRETE PAVEMENT SECTION
NO SCALE

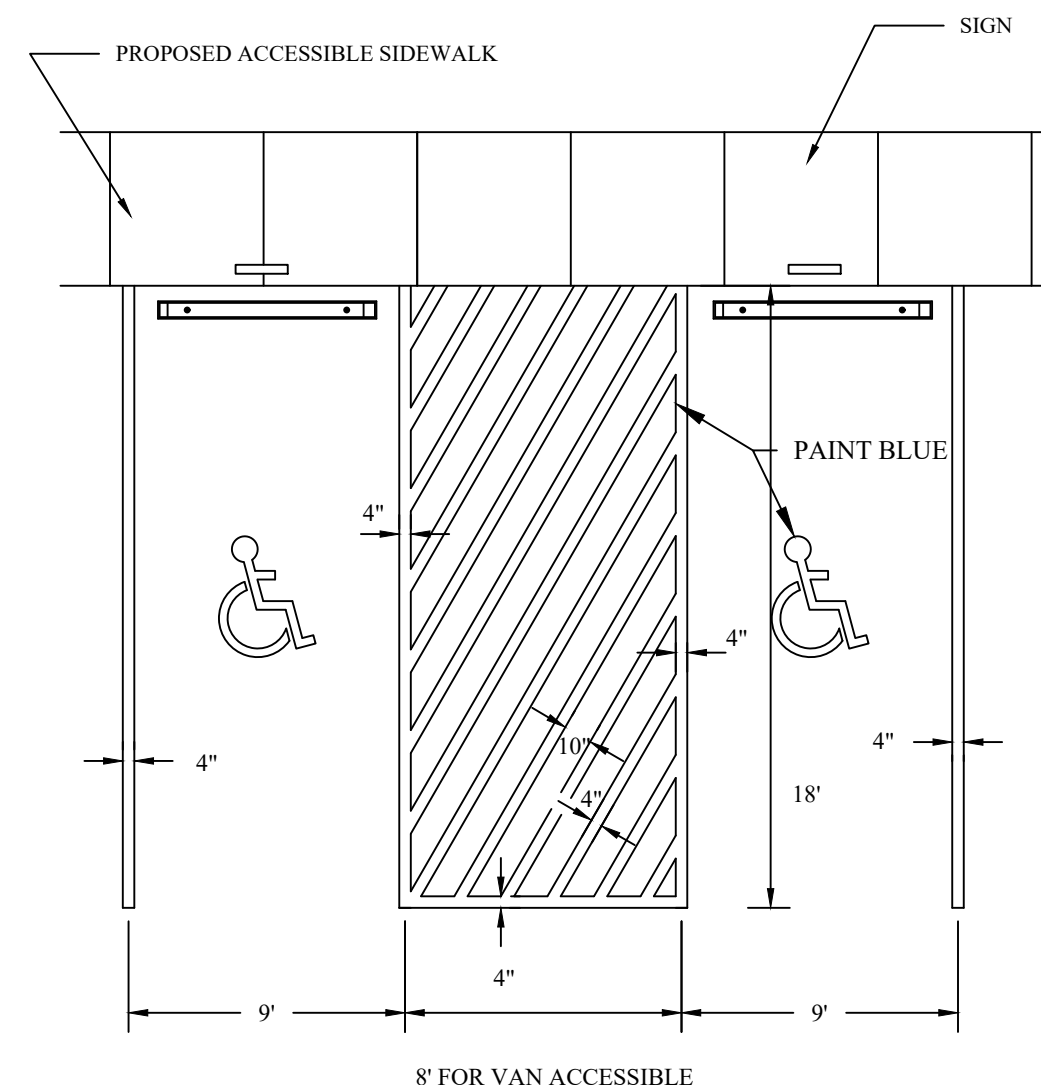
C



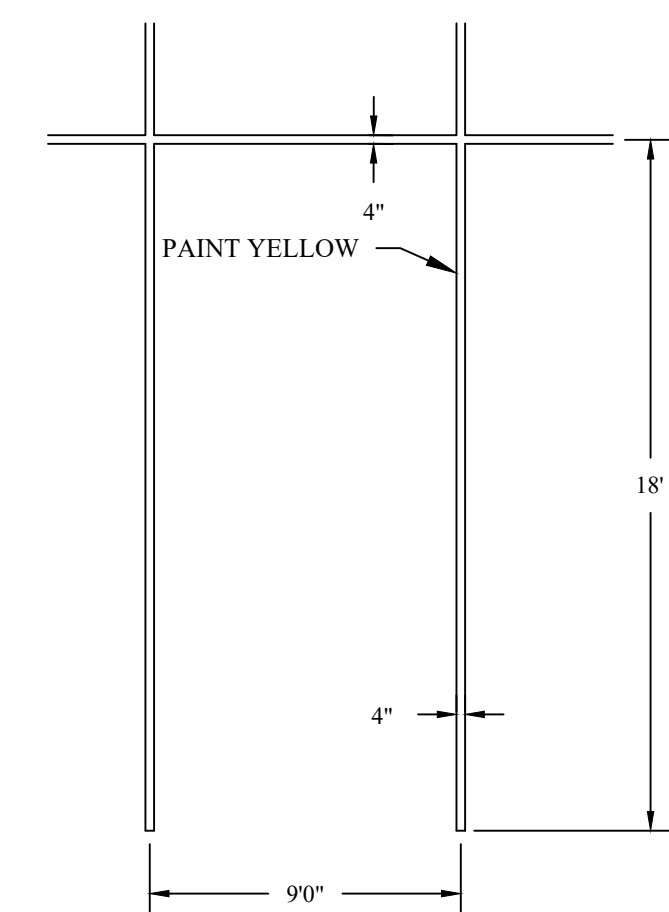
TYPICAL PARKING
NO SCALE

NOTE:
SEE SHEET C100 FOR
VARIOUS PARKING LAYOUT
LOCATIONS.

B



HANDICAP PARKING
NO SCALE



90° STRIPING DETAIL
NO SCALE

A



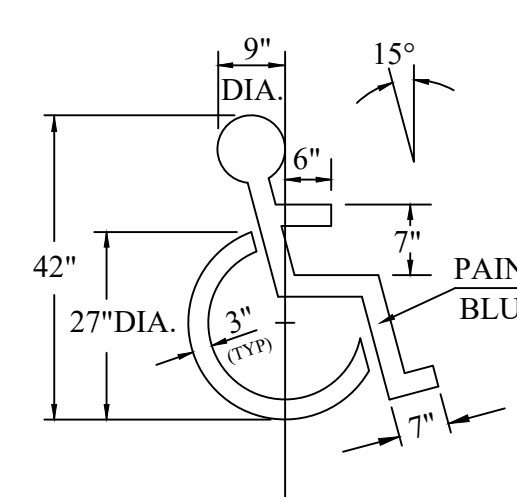
STANDARD SIGN FACE, CITY STREET
DEPARTMENT GAUGE BLUE LETTERING,
MOUNTING PER ARCHITECT.

**HANDICAP PARKING
VAN ACCESSIBLE ONLY SIGN**
NO SCALE

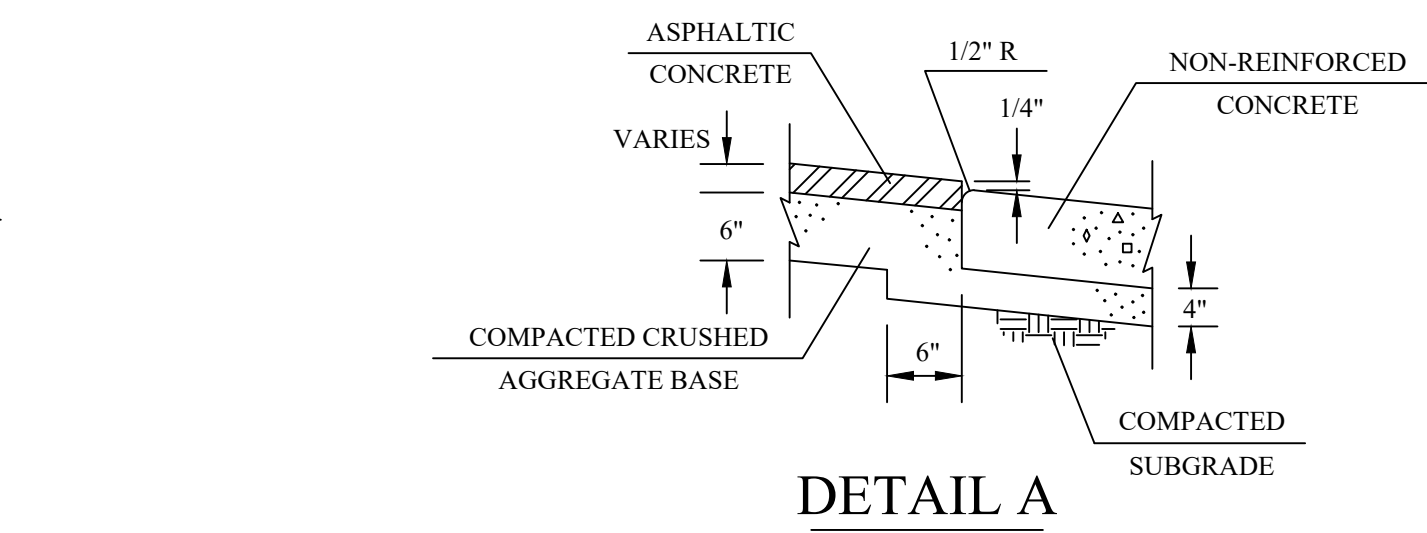


STANDARD SIGN FACE, CITY STREET
DEPARTMENT GAUGE BLUE LETTERING,
MOUNTING PER ARCHITECT.

**HANDICAP PARKING
ONLY SIGN**
NO SCALE



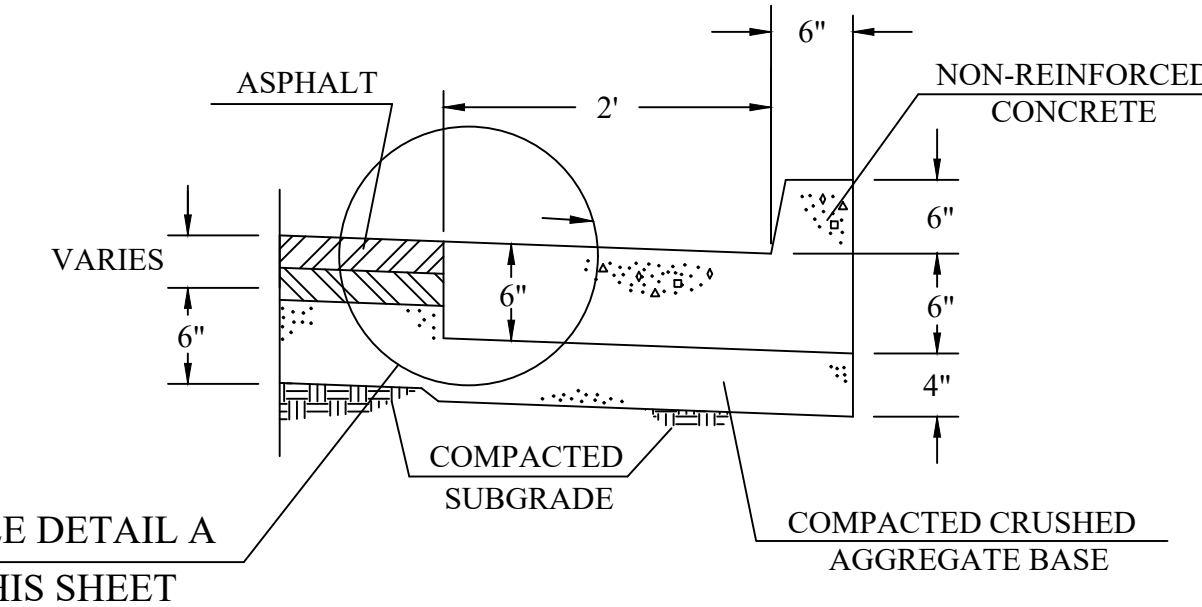
**PAINTED HANDICAPPED
PARKING SYMBOL**
NO SCALE



DETAIL A



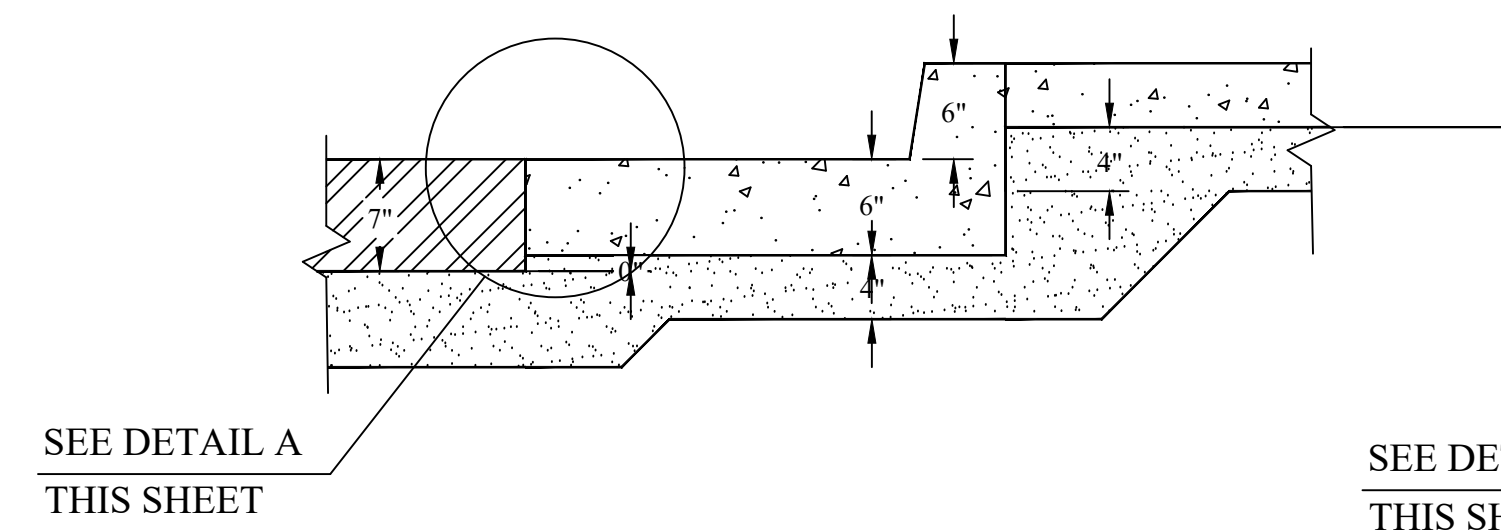
**CURB AND GUTTER
WITH SIDEWALK**
NO SCALE



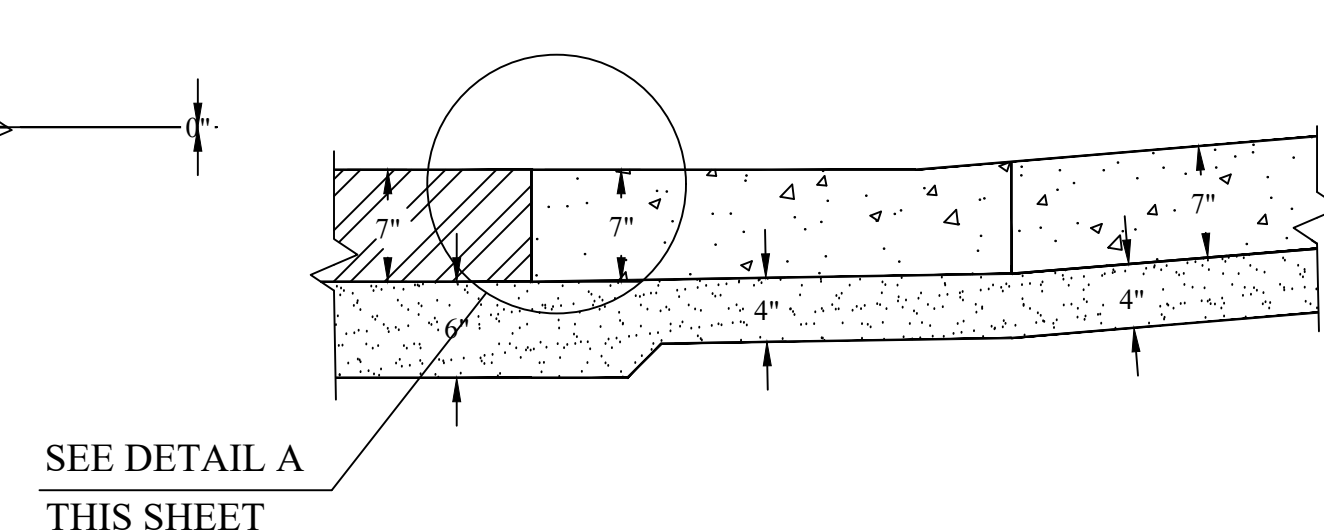
CURB AND GUTTER
NO SCALE



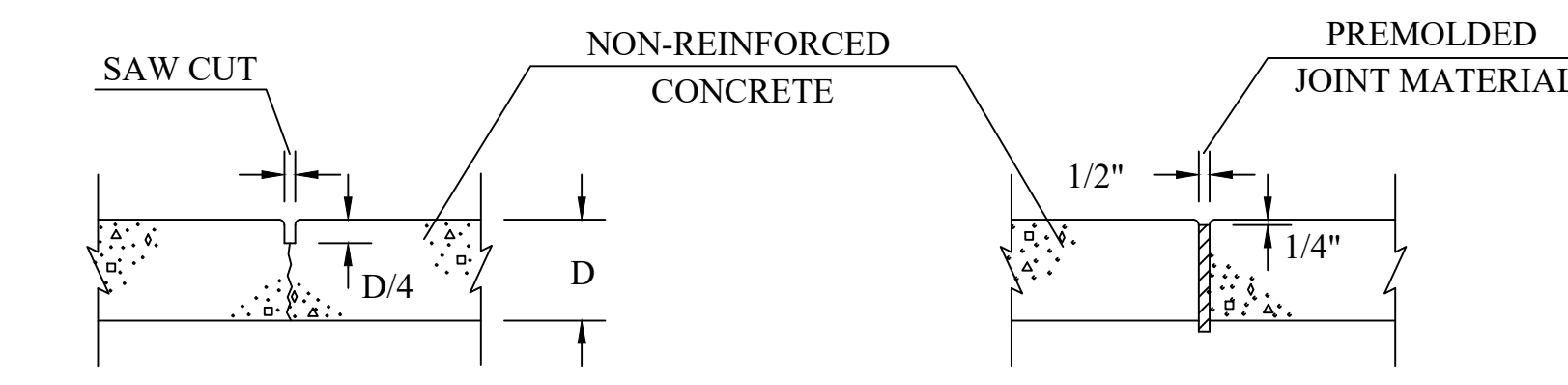
**THICKENED ASPHALT &
CURB AND GUTTER WITH
THICKENED CONCRETE DRIVE**
NO SCALE



**THICKENED
ASPHALT &
CURB AND GUTTER
WITH SIDEWALK**
NO SCALE



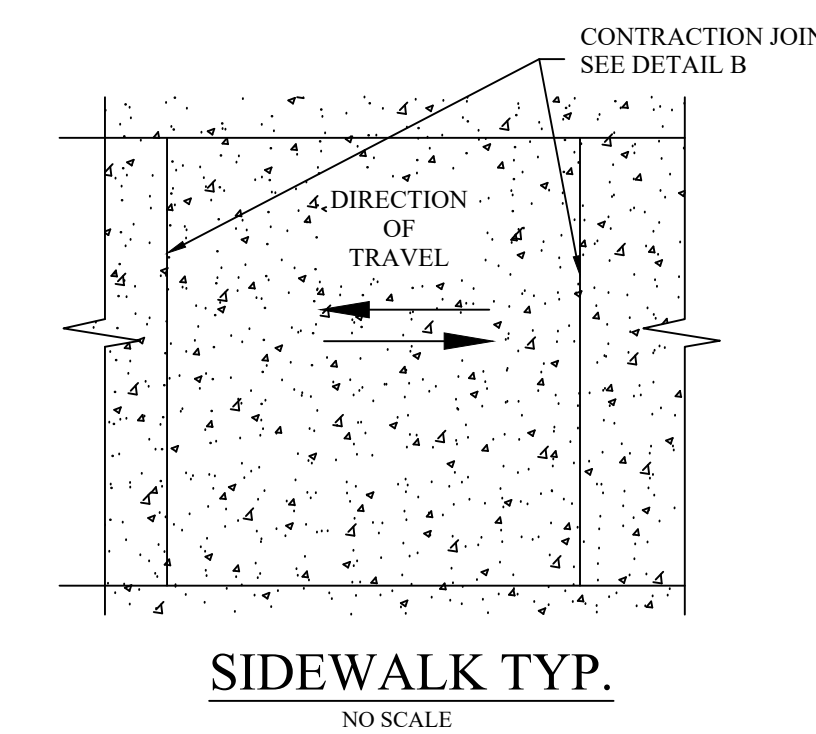
**THICKENED ASPHALT &
CURB AND GUTTER WITH
THICKENED CONCRETE DRIVE**
NO SCALE



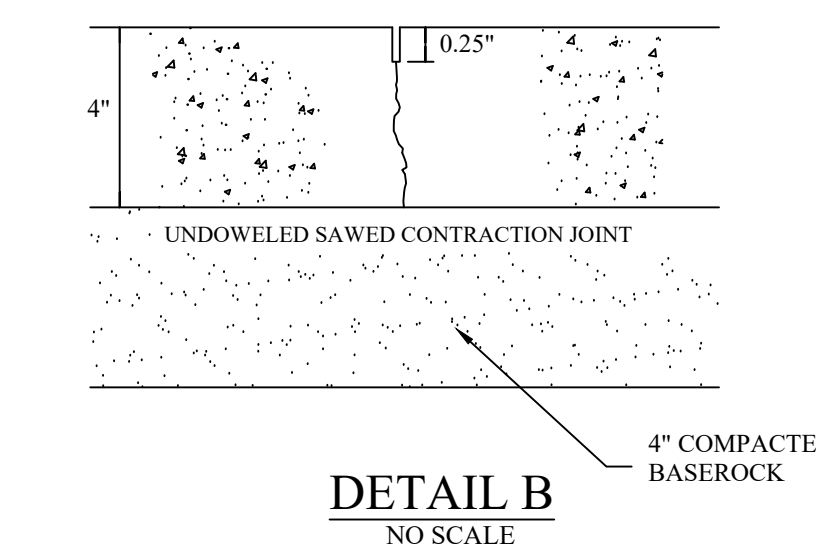
CONTRACTION JOINT

EXPANSION JOINT

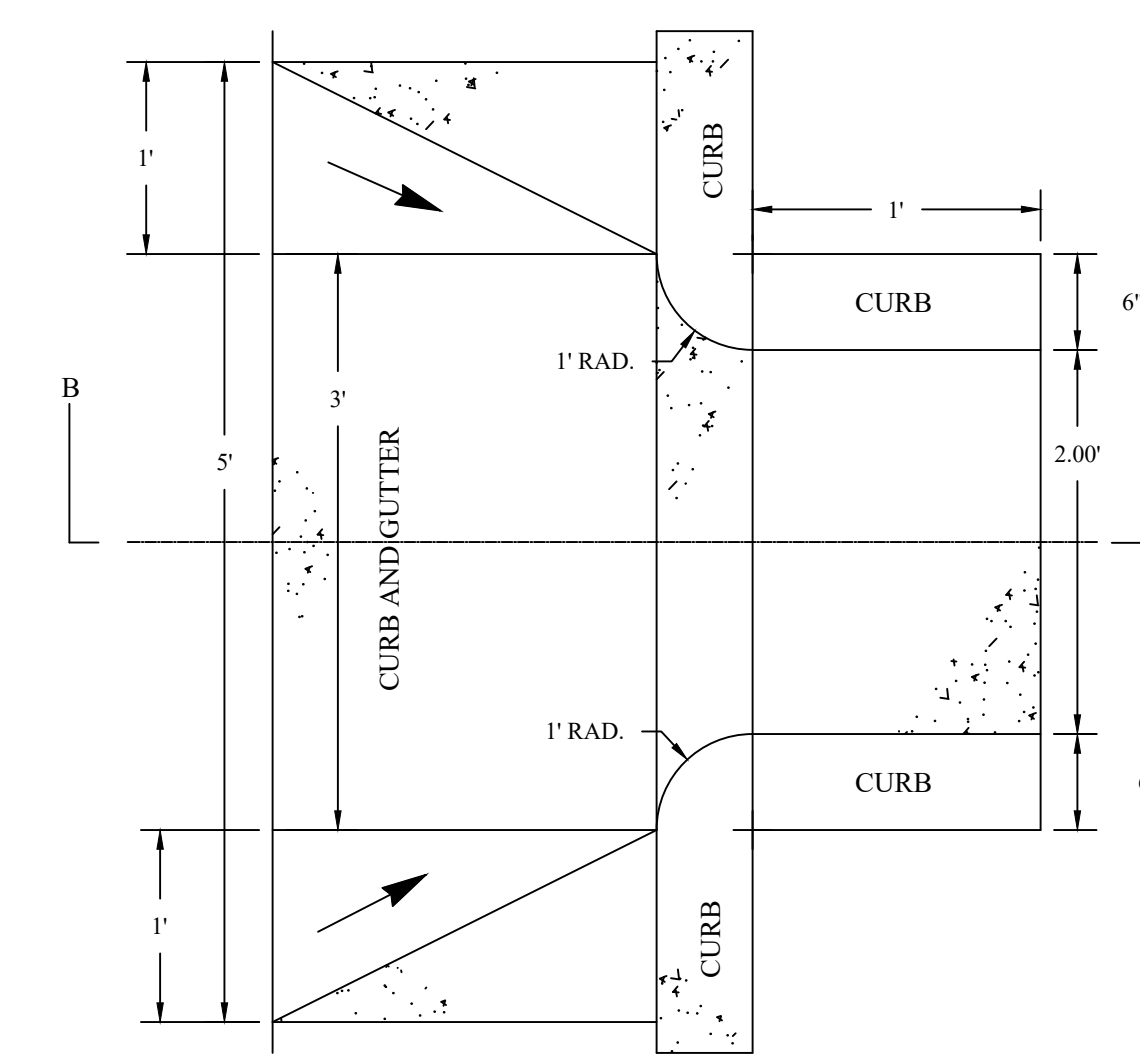
**TYPICAL CONCRETE
DETAILS**
NO SCALE:



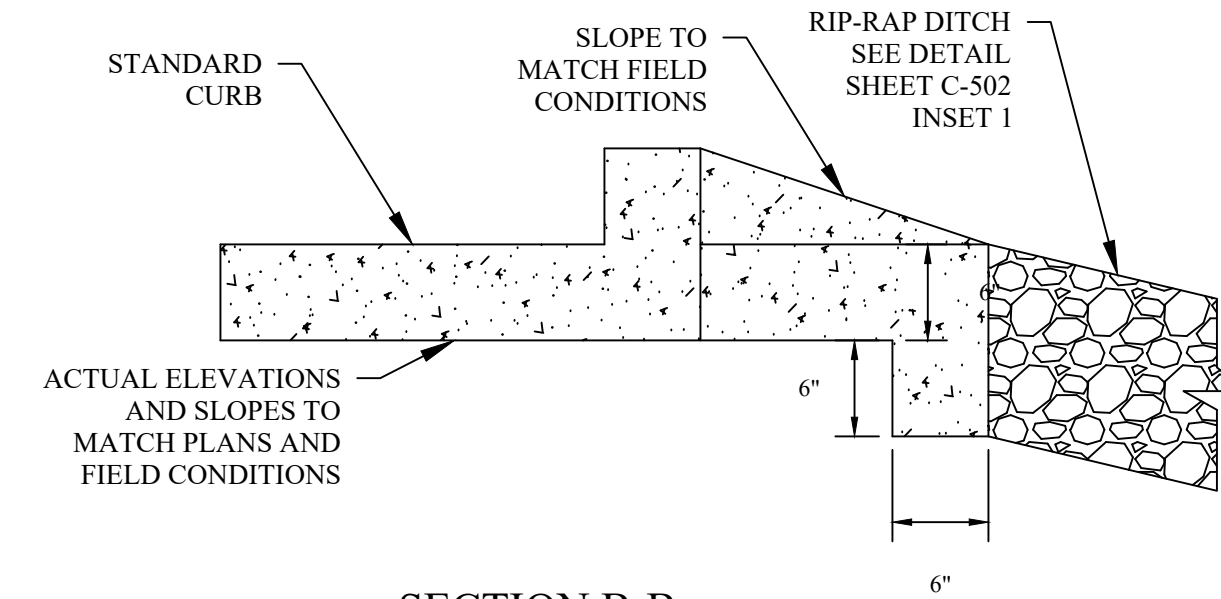
SIDEWALK TYP.
NO SCALE



DETAIL B
NO SCALE



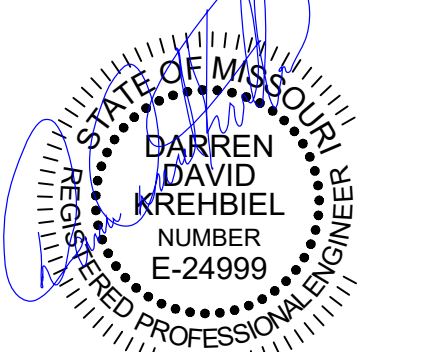
CURB CUT DETAIL
NO SCALE



**SECTION B-B
TYPICAL CURB CUT**
NO SCALE

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DARREN DAVID KREHBIEL - ENGINEER
MO# E-24999

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63 Blair Avenue
CAMDEN, MO 65020
TEL: 573.346.5316
krehbiel.darren@gmail.com

Civil Engineer

Darren Krehbiel Consultants, LLC.
Missouri State Certificate of Authority
#201106212

Camdenton Community Center

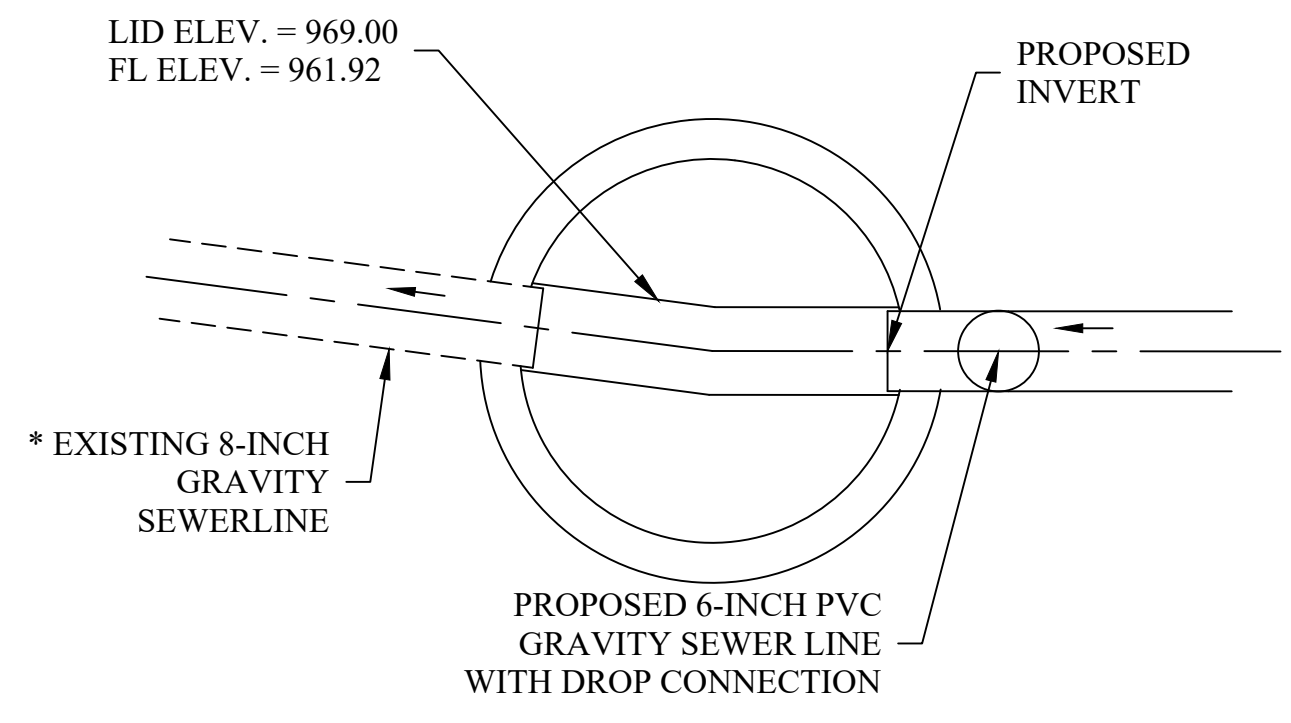
Owner

1205 N. BUSINESS ROUTE 5
Camdenton, MO 65020

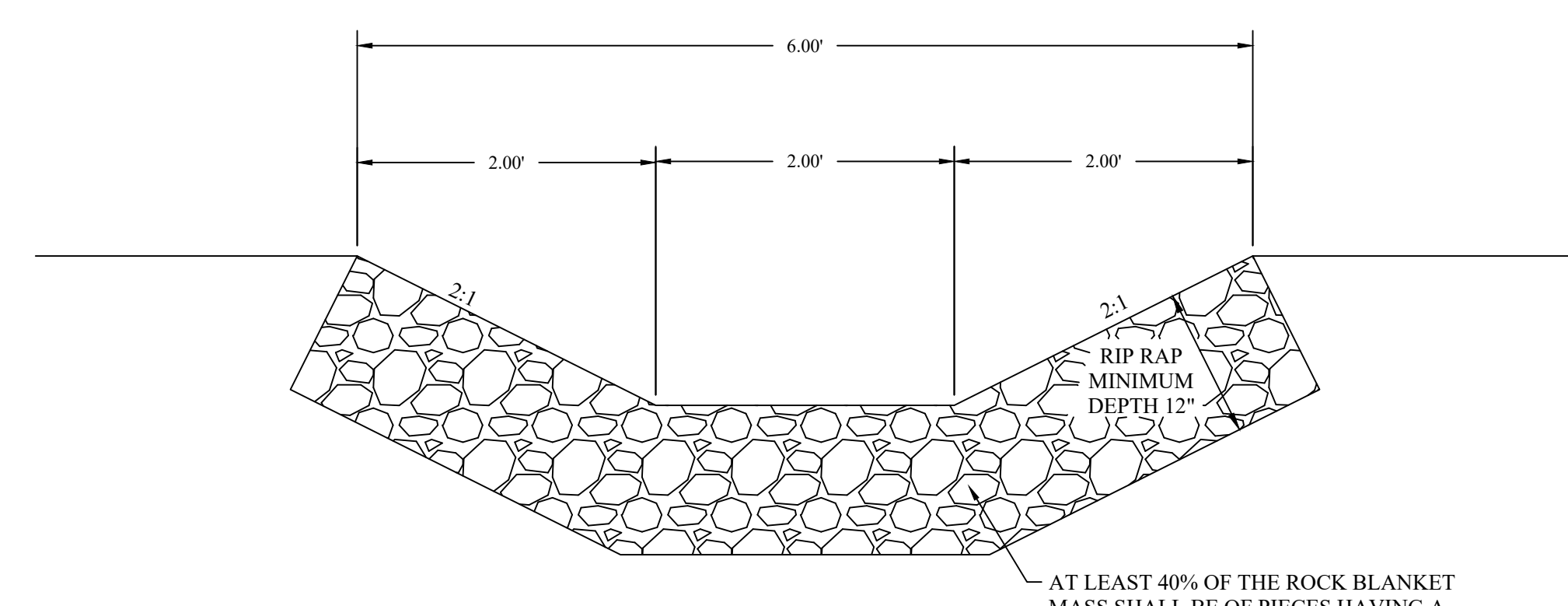
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DETAILS

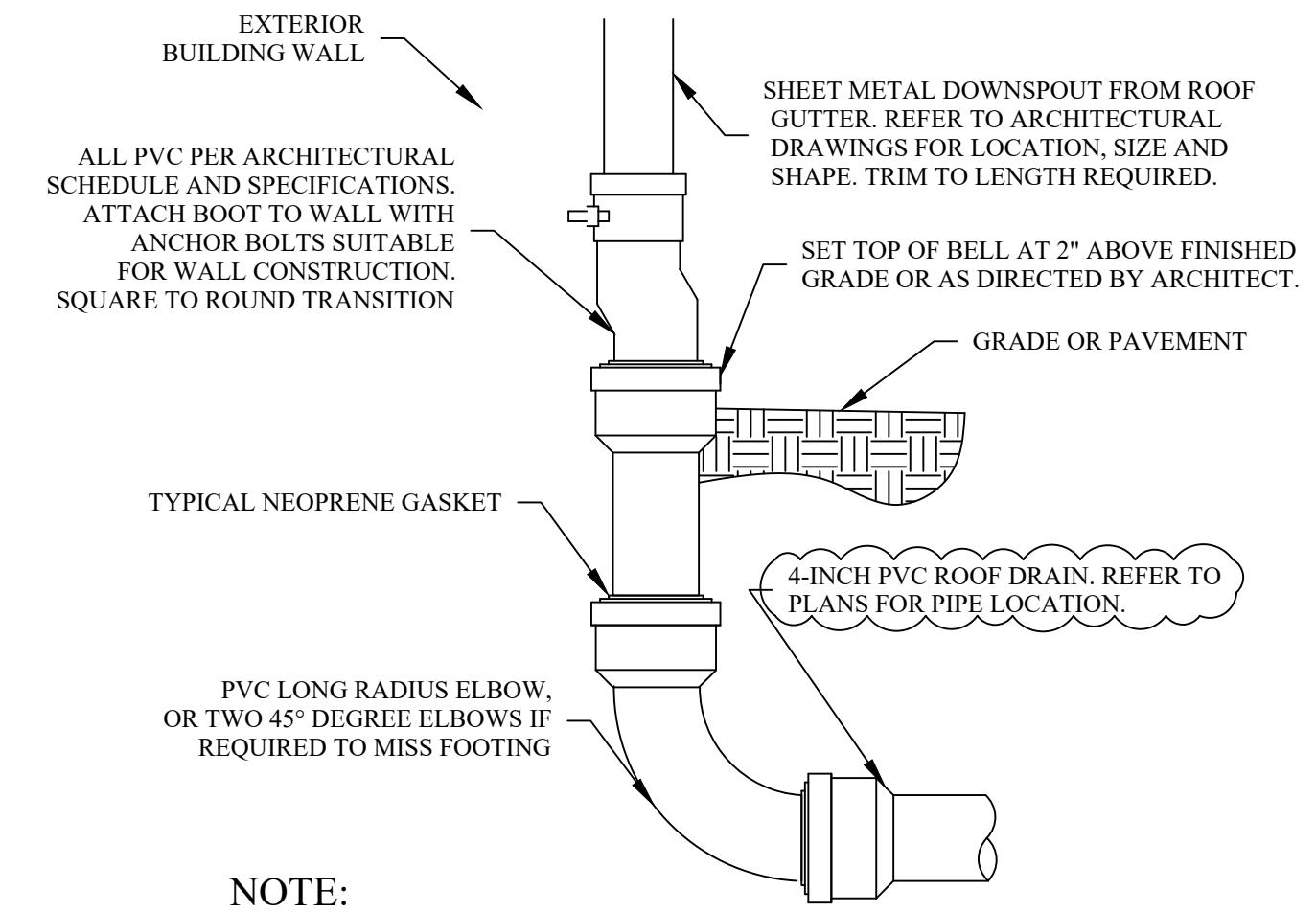
C501



PROPOSED DROP MH INVERT
NO SCALE

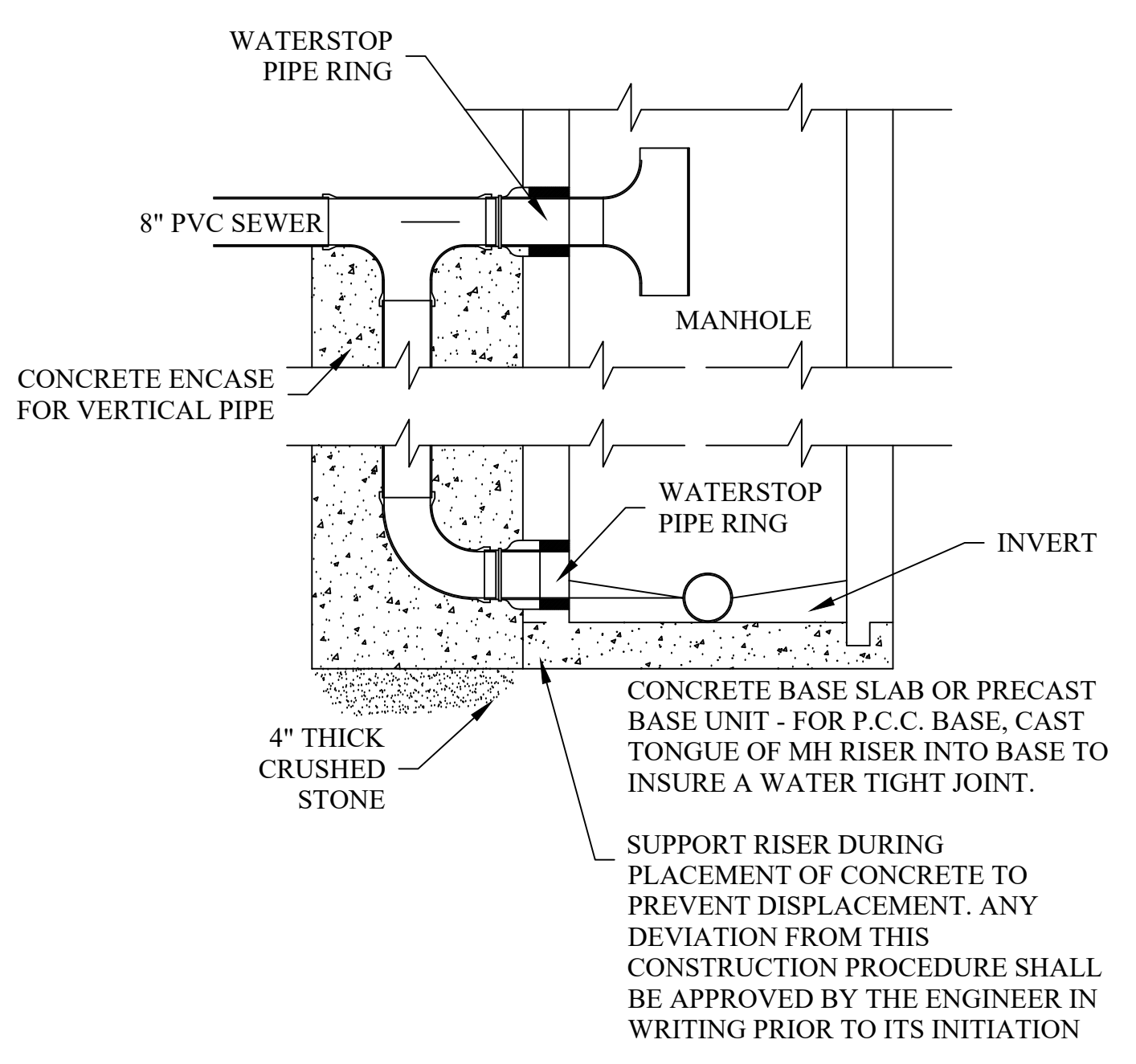


RIP RAP DITCH DETAIL
NO SCALE

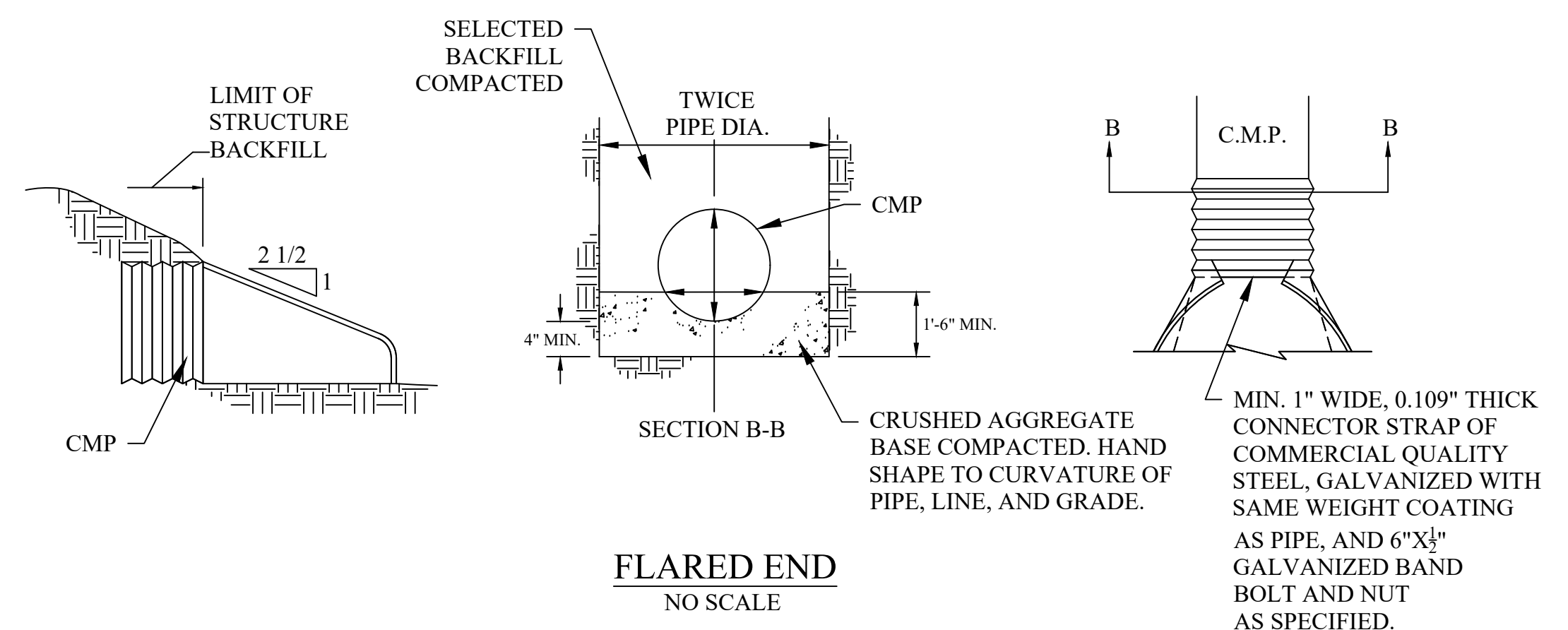


NOTE:
PIPING ARRANGMENT SHOWN IS A SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS AND COORDINATE UNDERGROUND PIPING WITH CIVIL ENGINEER'S SITE UTILITIES DRAWING. MAKE CONNECTIONS IN COORDINATION WITH ARCHITECT.

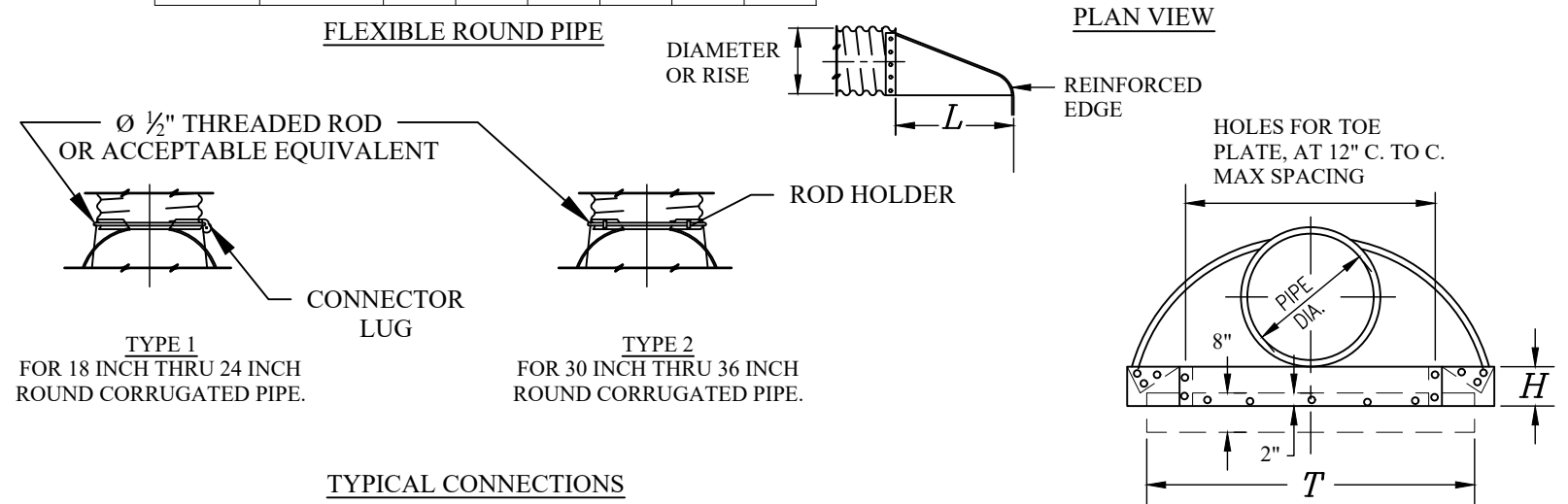
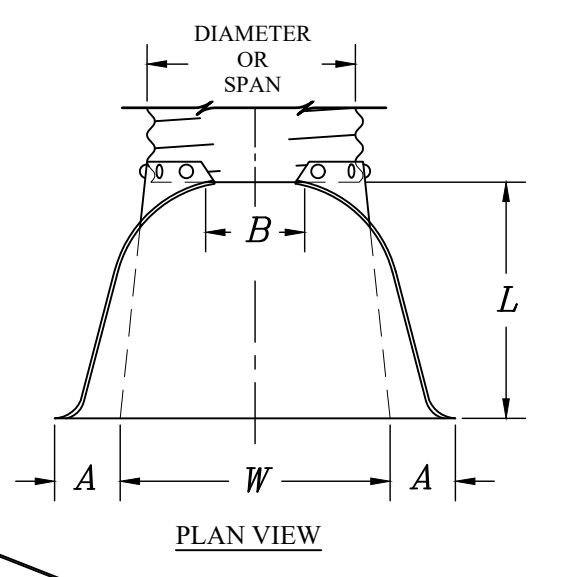
DOWNSPOUT BOOT CONNECTION
NO SCALE



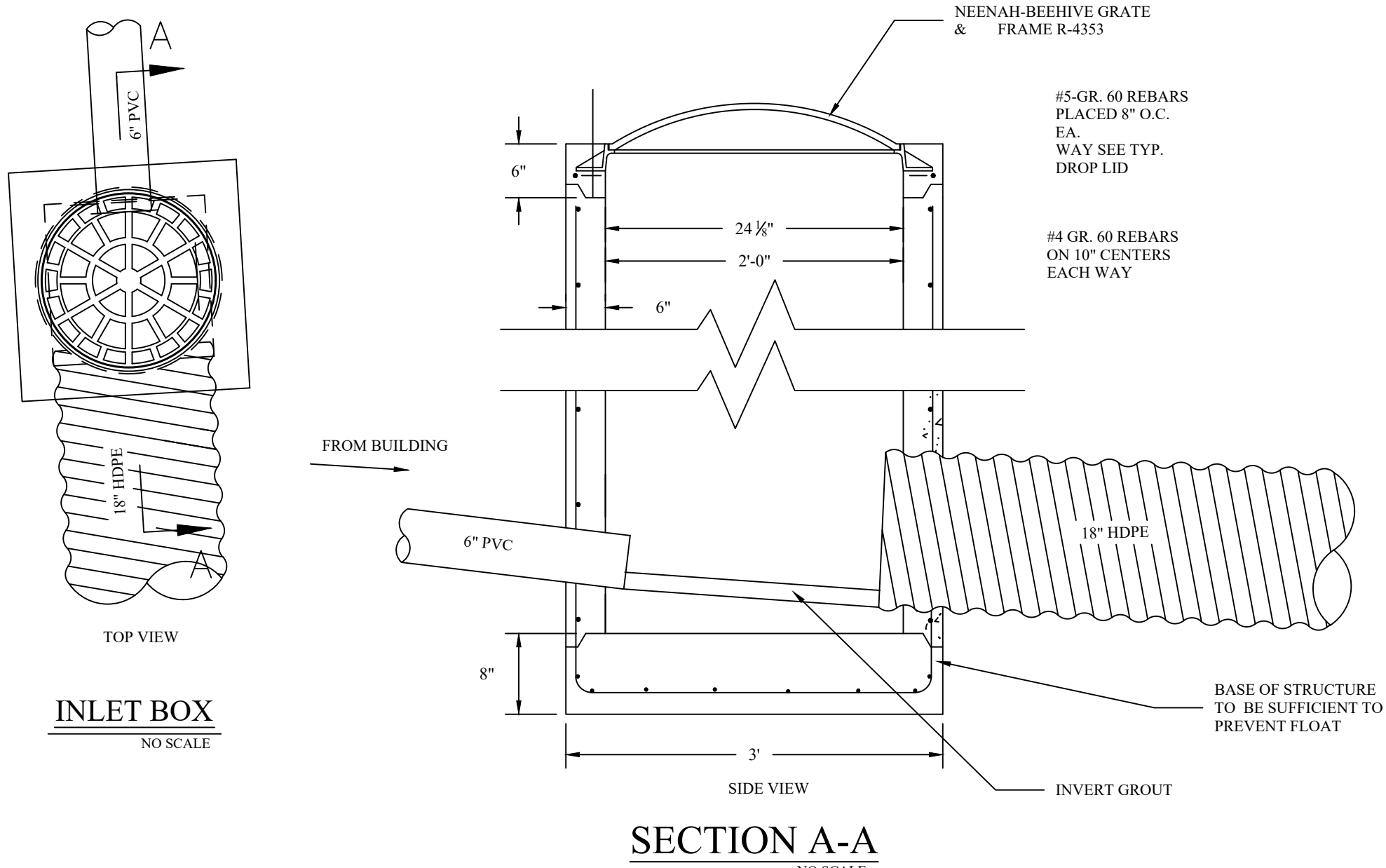
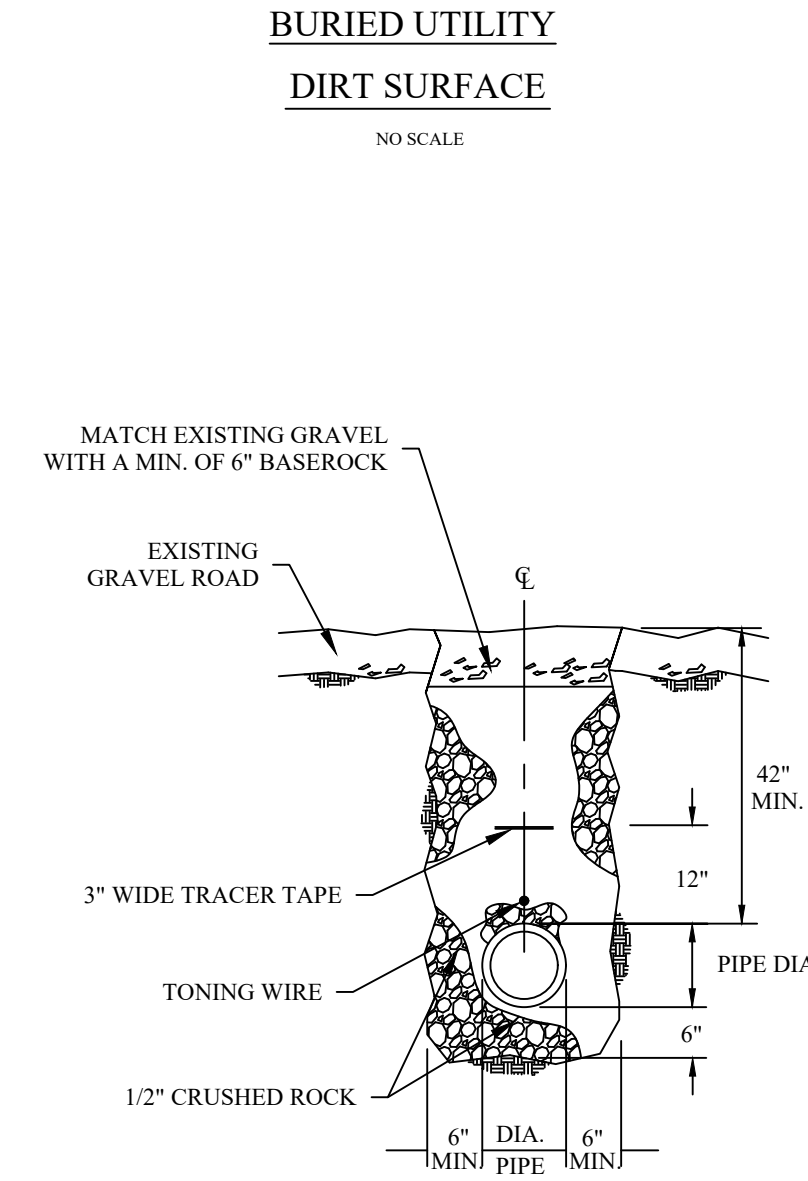
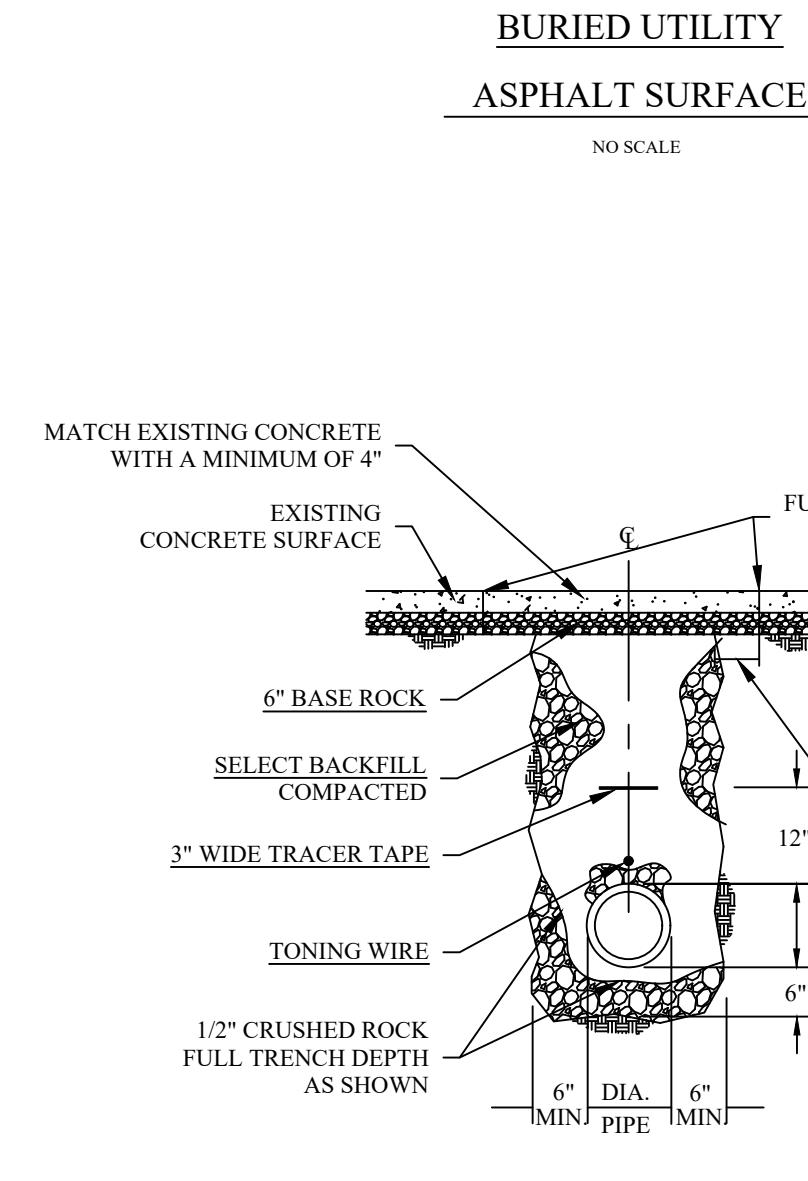
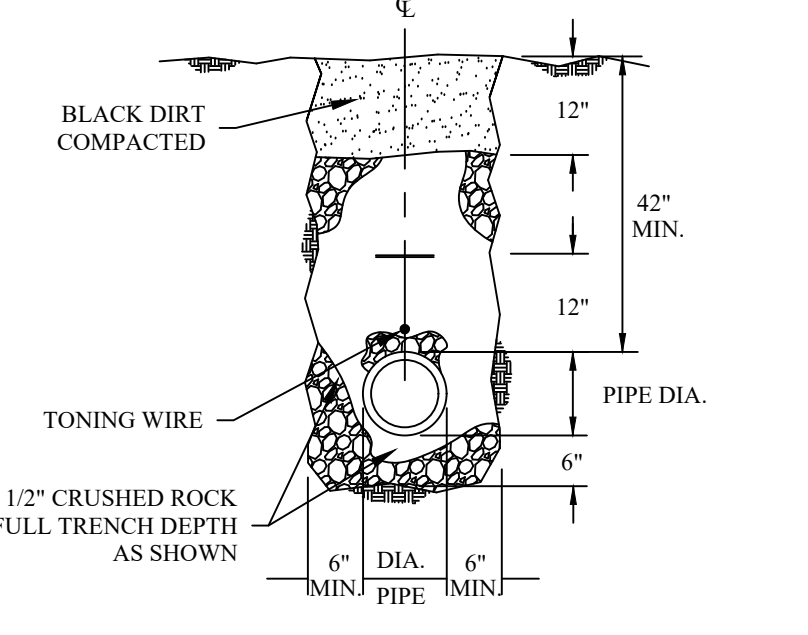
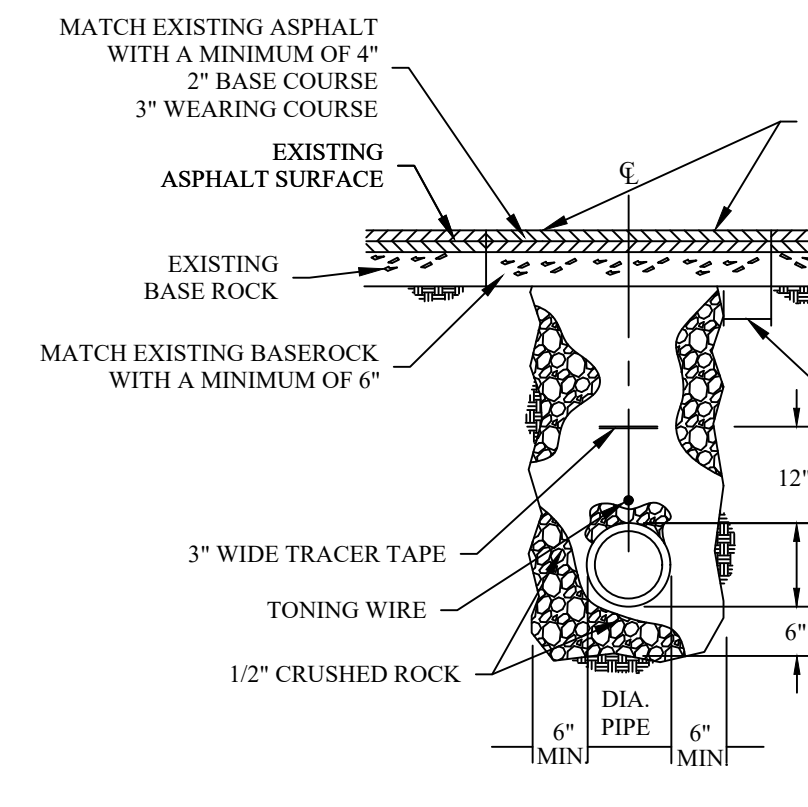
DROP MANHOLE CONNECTION
NO SCALE



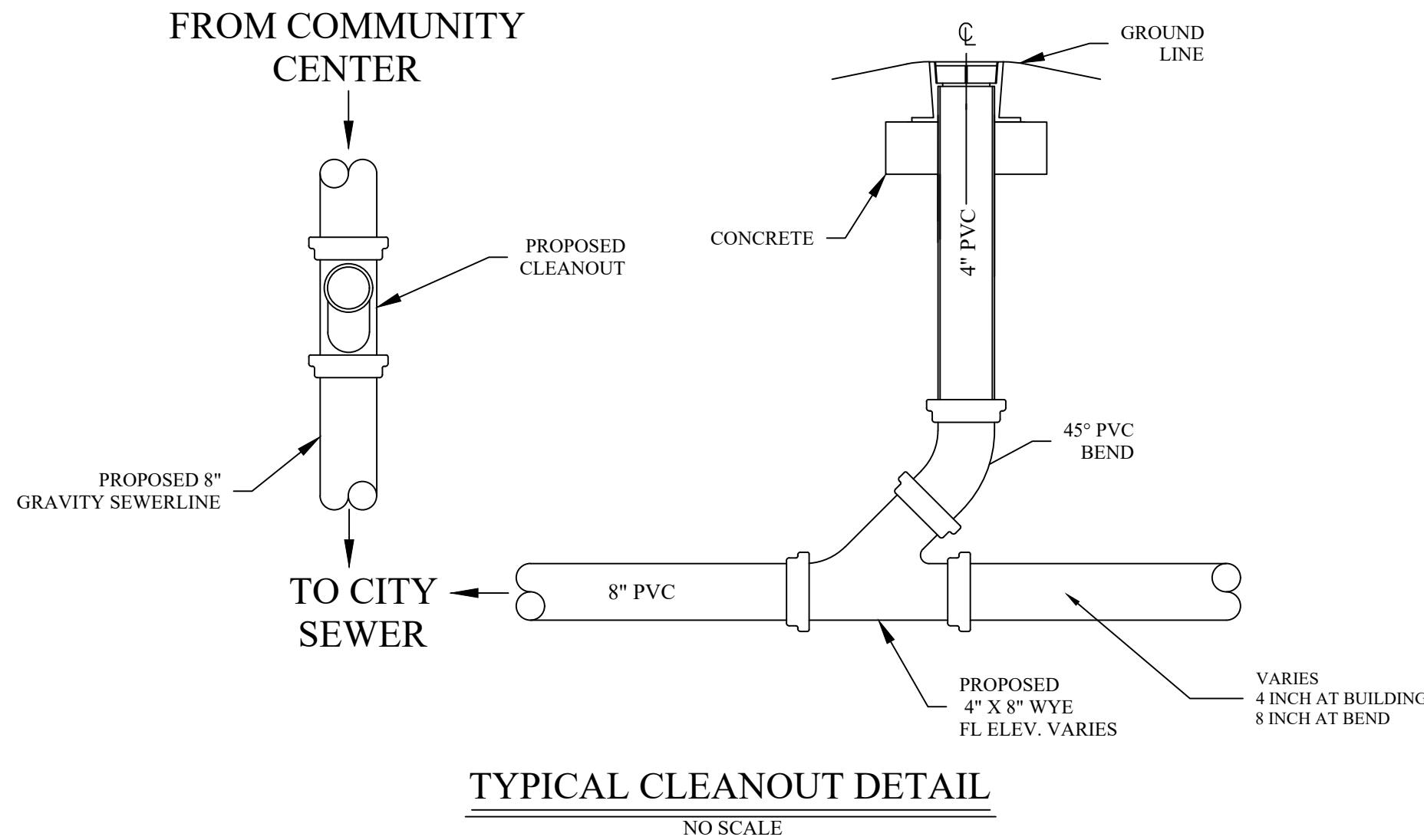
PIPE DIA.	THICKNESS	DIMENSIONS					
		A	B	H	L	W	T
12	0.064	6	6	6	21	24	34
18	0.064	8	10	6	31	36	46
21	0.064	9	12	6	36	42	52
24	0.064	10	13	6	41	48	58
30	0.079	12	16	8	51	60	70
36	0.079	14	19	9	60	72	84
42	0.109	16	22	11	69	84	106
48	0.109	18	27	12	78	90	112
54	0.109	18	30	12	84	102	124
60	0.109	18	33	12	87	114	136
66	0.109	18	36	12	87	120	142
72	0.109	18	39	12	87	126	148
78	0.109	18	42	12	87	132	154
84	0.109	18	45	12	87	138	160



FLARED END SECTION DETAIL
NO SCALE

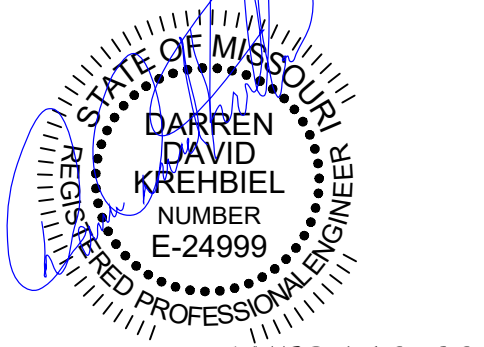


INLET BOX
NO SCALE



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DARREN DAVID KREHBIEL - ENGINEER
MO# E-24999

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63 Blair Avenue
CAMDEN TON, MO 65020
TEL: 573.346.5316
krehbiel.darren@gmail.com

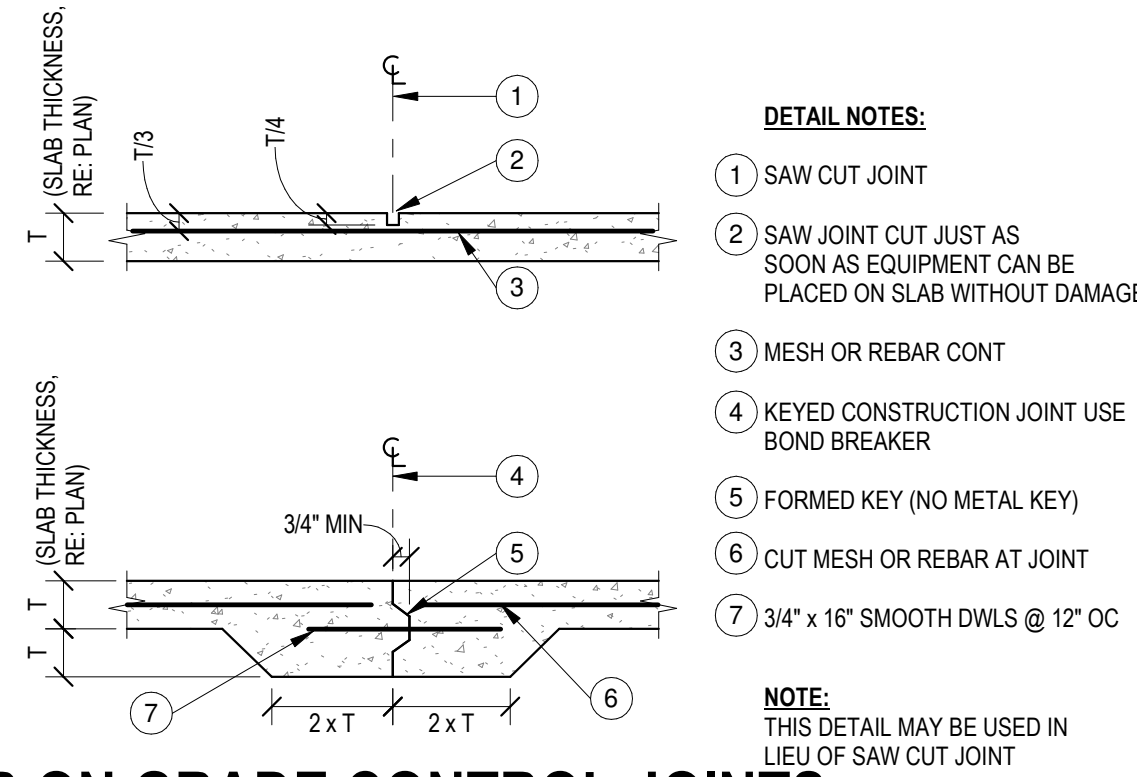
Civil Engineer
Darren Krehbiel Consultants, LLC.
Missouri State Certificate of Authority #2011003212

Camdenton Community Center
Owner
1205 N. BUSINESS ROUTE 5
Camdenton, MO 65020

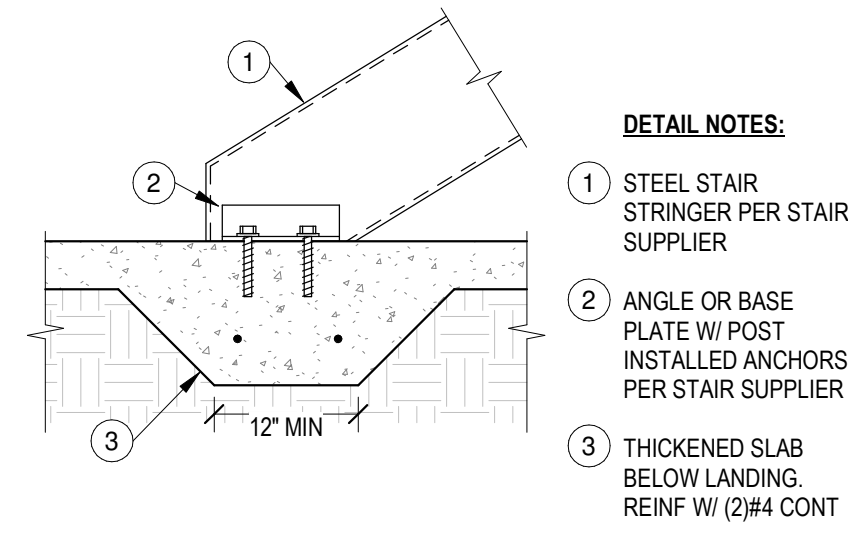
SFS PROJECT NO: 181012
ISSUED FOR:
ISSUE DATE: 3/30/2021
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SANITARY & STORM SEWER DETAILS

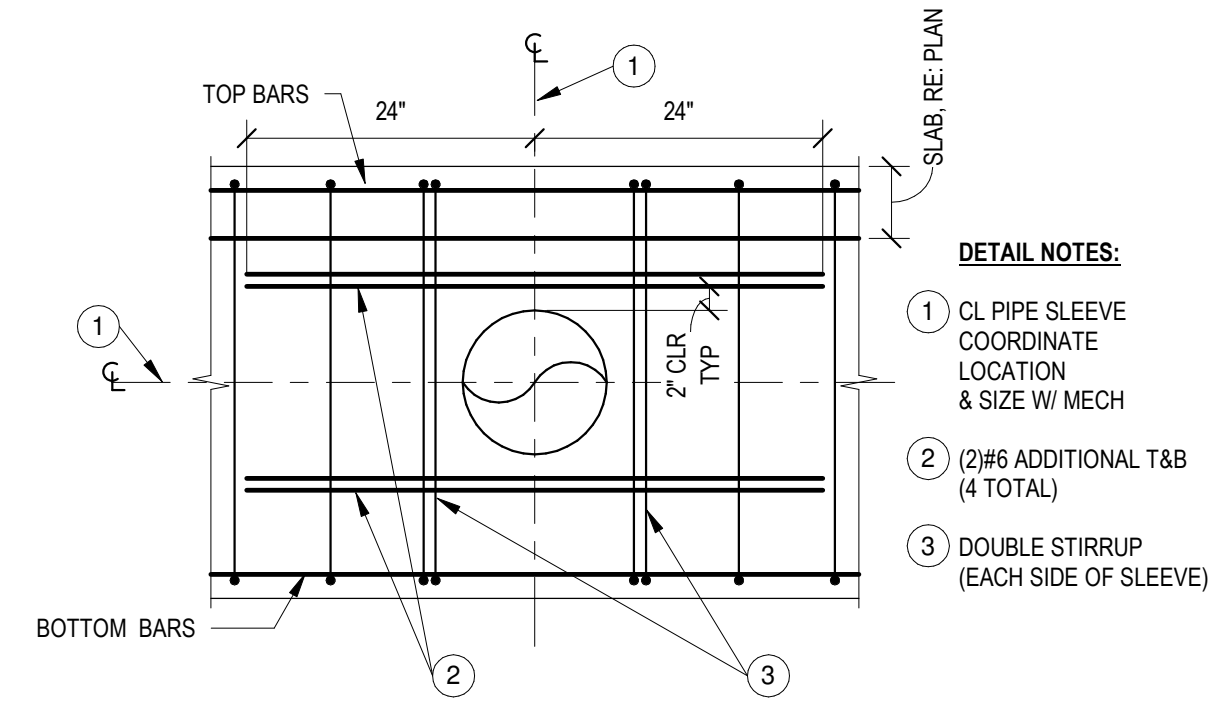
C502



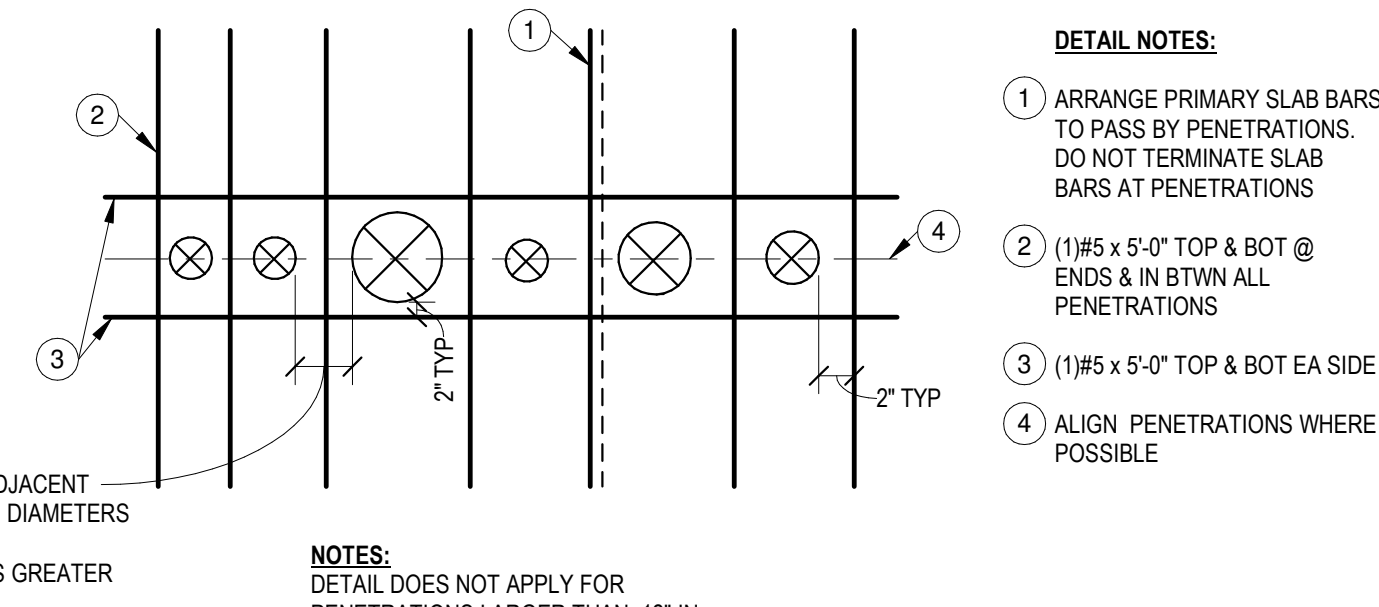
10 SLAB ON GRADE CONTROL JOINTS
3/4" = 1'-0"



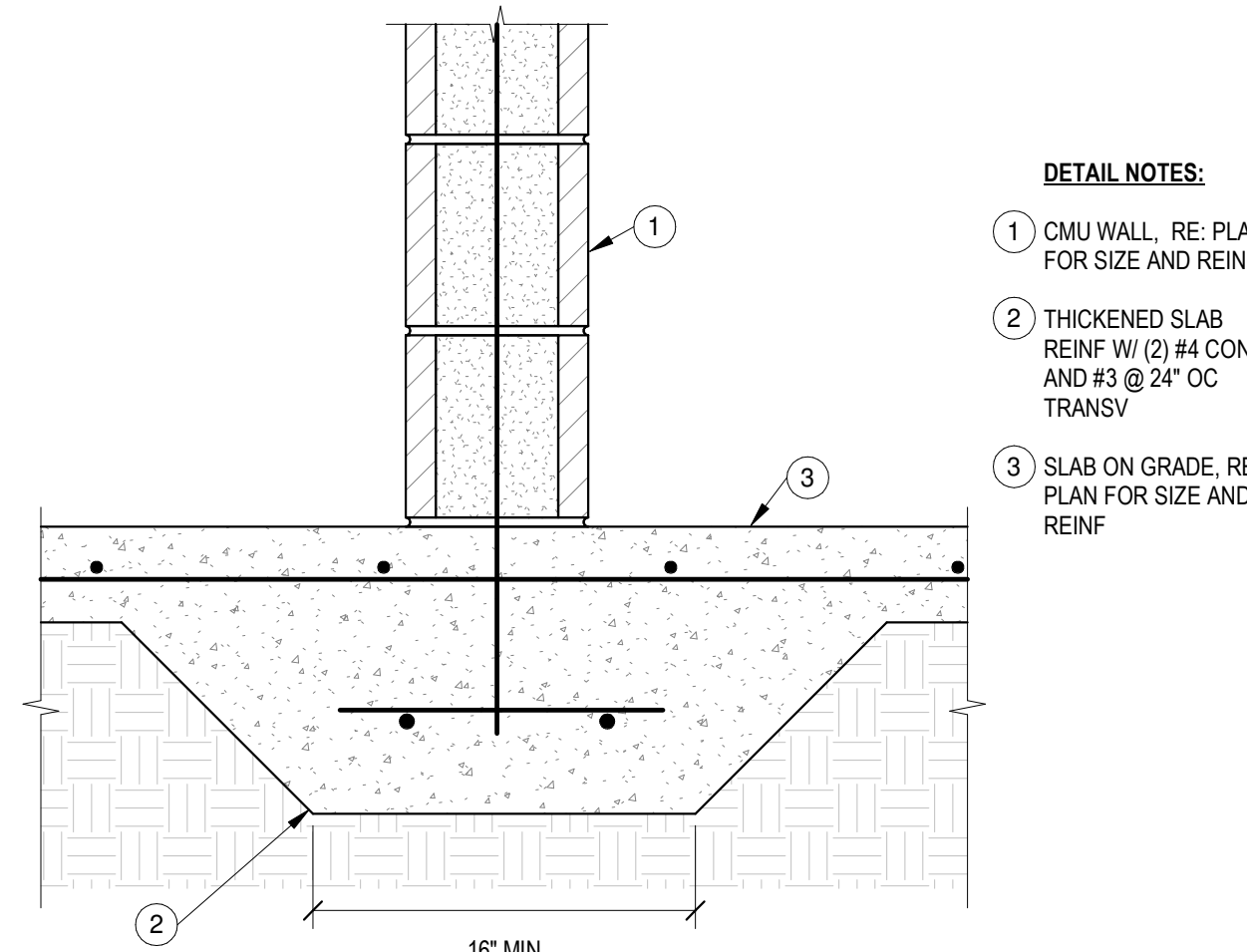
6 STAIR STRINGER ON THICKENED SLAB
3/4" = 1'-0"



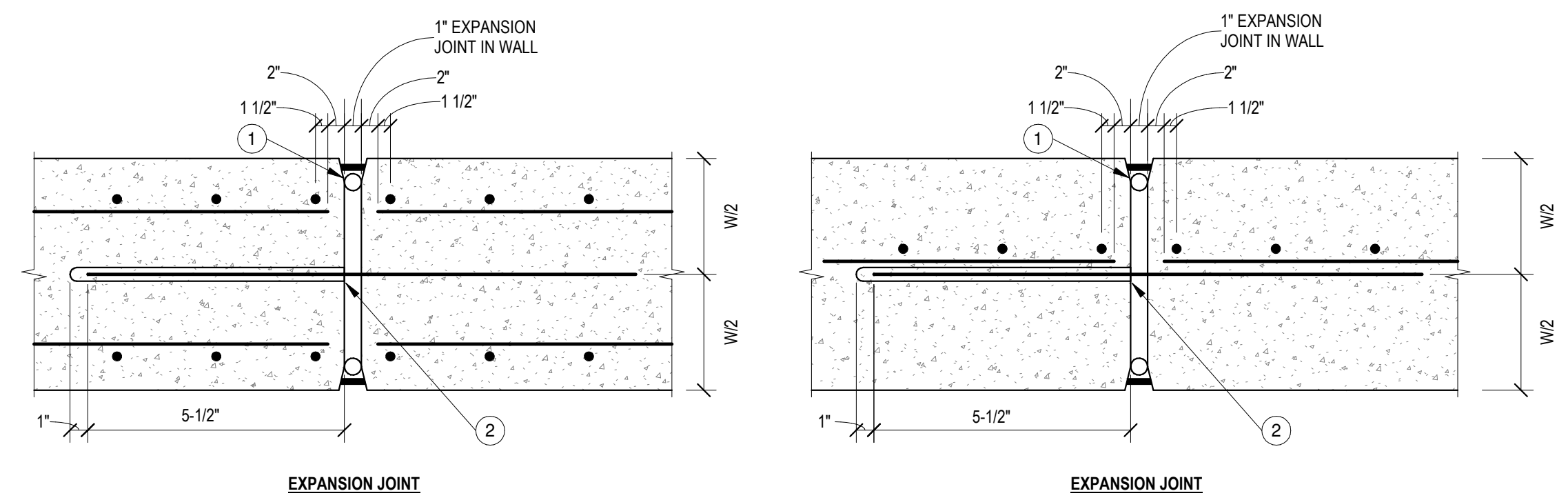
3 CONC BEAM PENETRATION
3/4" = 1'-0"



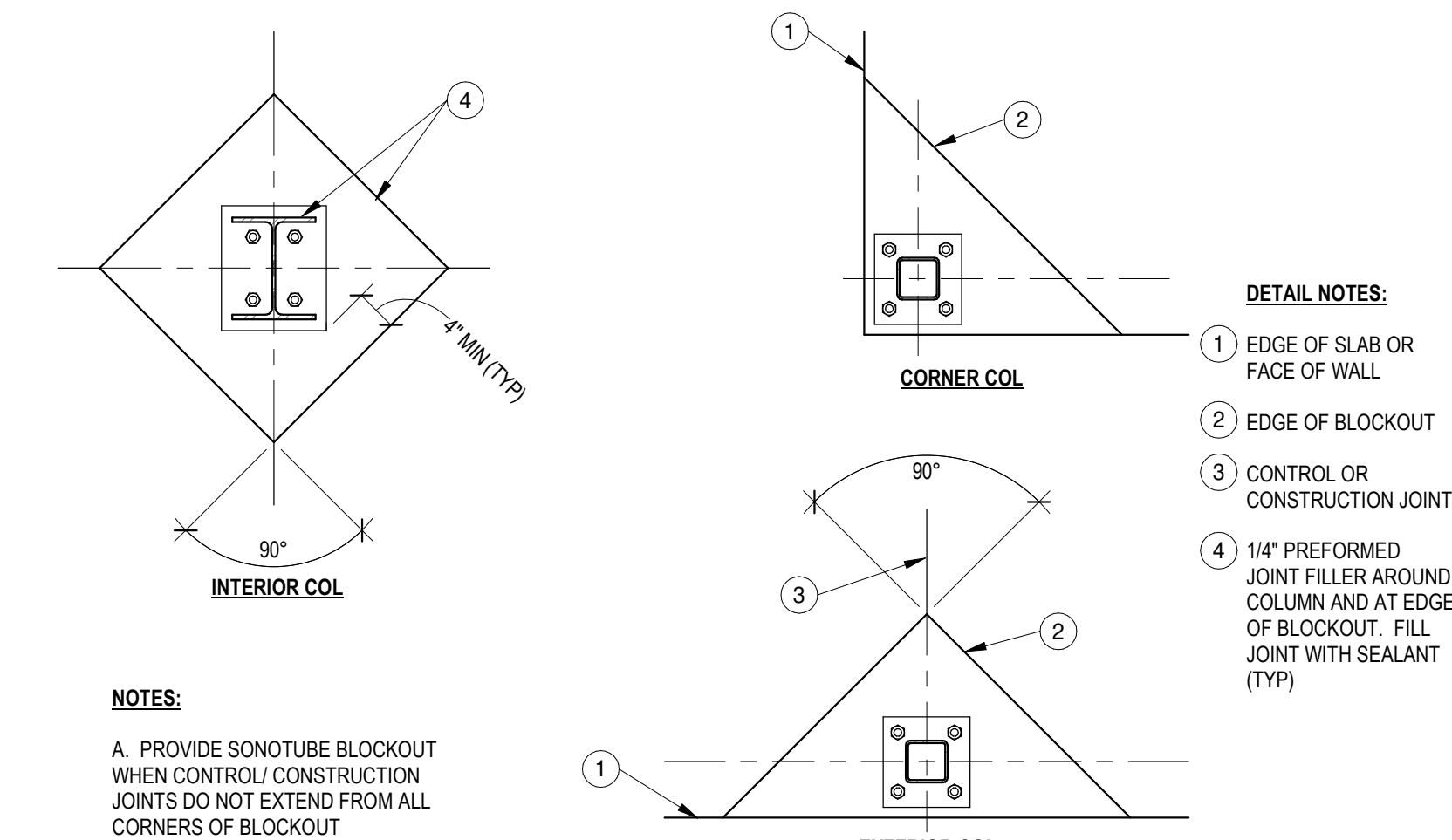
9 REINF @ SLAB PENETRATIONS
3/4" = 1'-0"



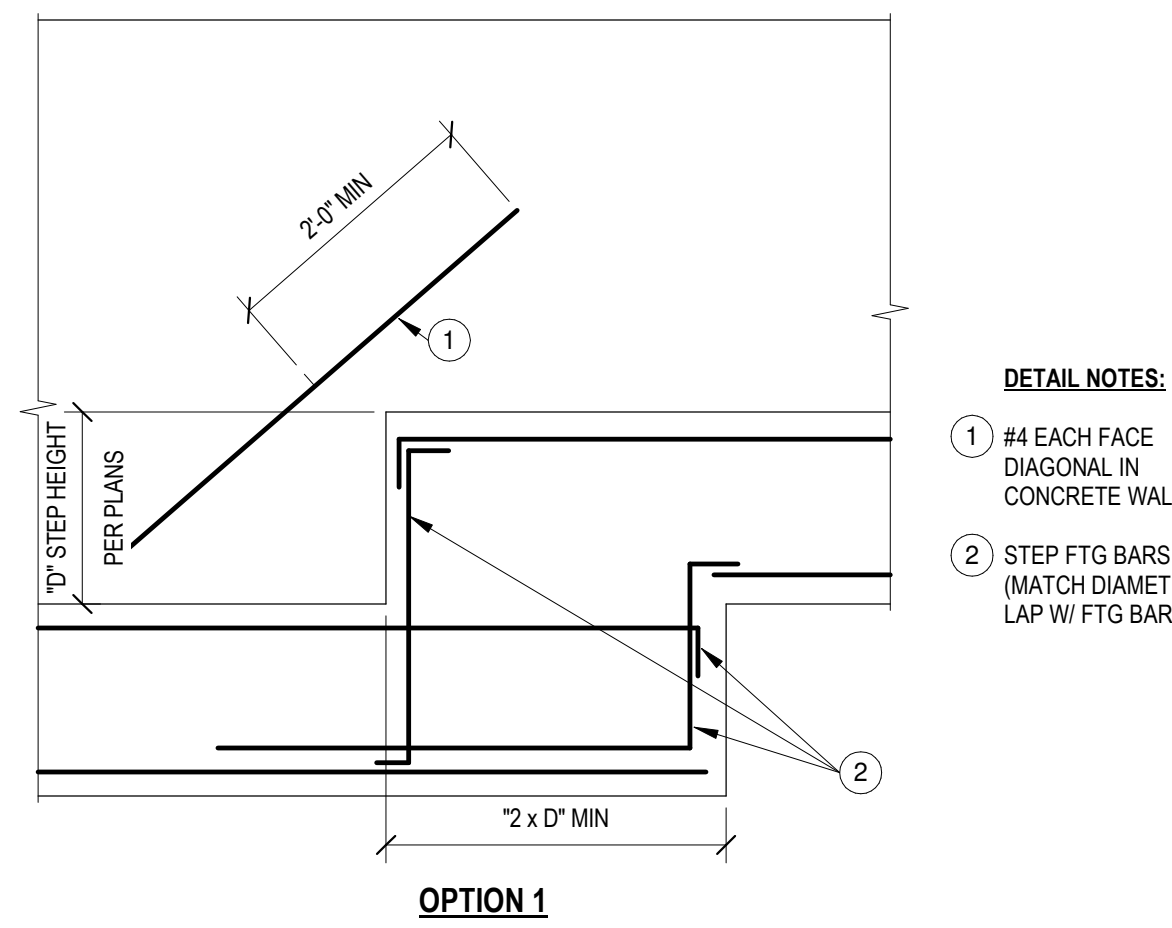
5 NON-LOAD-BEARING CMU THICKENED SLAB
1 1/2" = 1'-0"



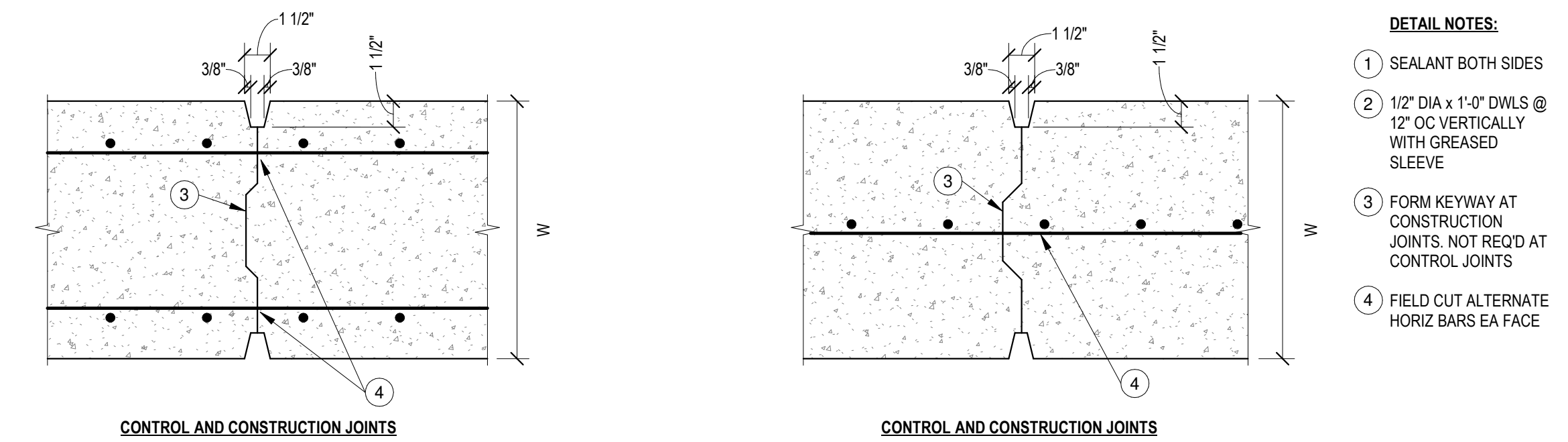
2 CONC WALL JOINTS
3/4" = 1'-0"



8 SLAB ON GRADE JOINTS @ COLUMNS
3/4" = 1'-0"



4 FOOTING STEP
1/2" = 1'-0"



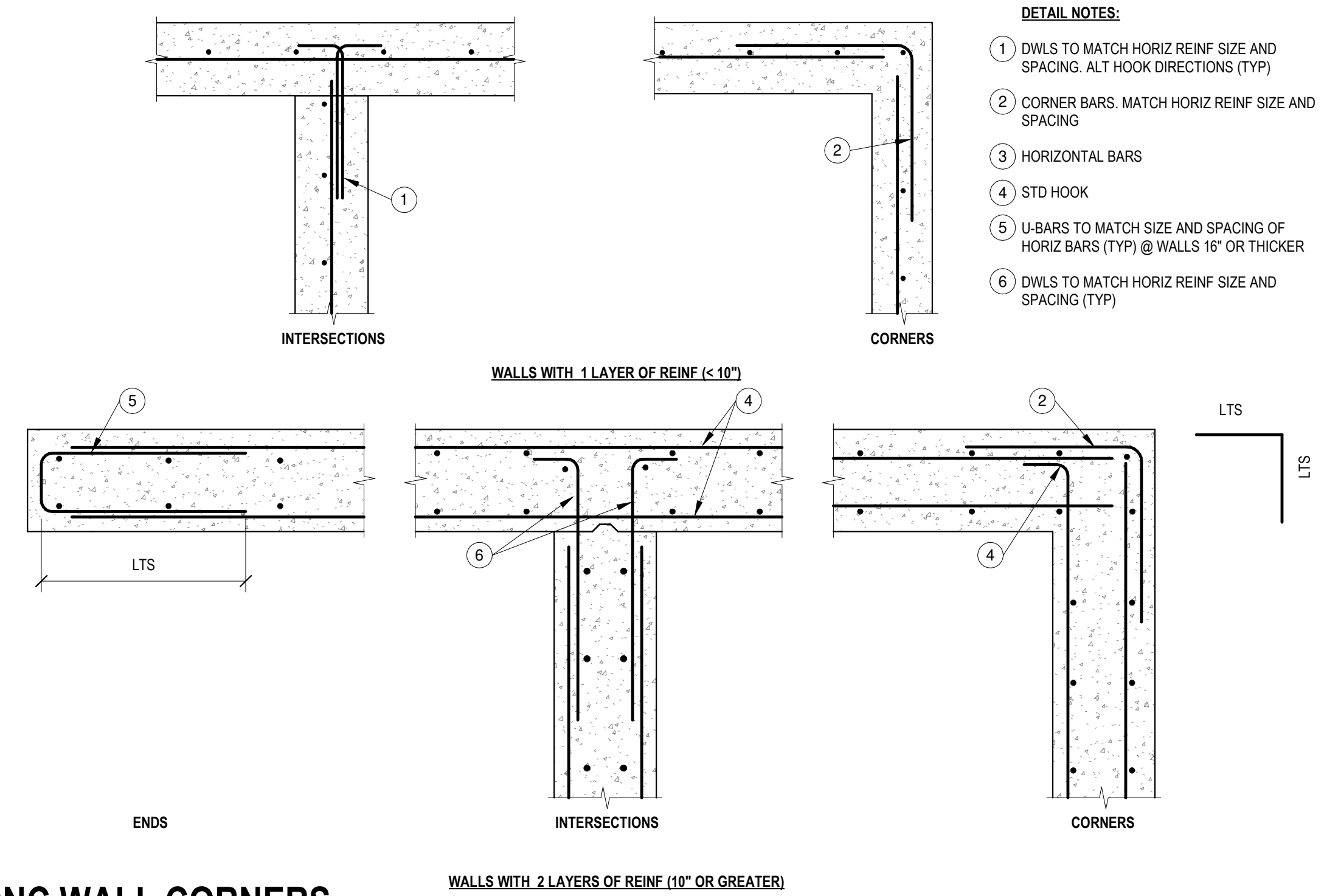
1 CONC WALL CORNERS
3/4" = 1'-0"

BAR	F _c =3000 psi					F _c =4000 psi								
	EMBEDMENT		LAP SPLICE			EMBEDMENT		LAP SPLICE						
	COMPRESSION (LCE)	TENSION (LTS)	COMPRESSION (LCS)	TENSION (LTS)	HOOK (LDH)	COMPRESSION (LCE)	TENSION (LTS)	COMPRESSION (LCS)	TENSION (LTS)	HOOK (LDH)				
#3	8	21	16	12	28	21	6	8	12	12	12	16	16	7
#4	11	28	22	15	37	28	8	9	18	14	15	24	18	9
#5	14	36	27	19	46	36	10	12	27	21	19	35	27	12
#6	16	43	33	23	56	43	12	14	37	28	23	48	37	14
#7	19	52	48	26	67	52	13	17	46	37	26	58	48	17
#8	22	61	55	30	79	61	15	19	55	44	30	69	55	19
#9	25	71	62	34	93	71	17	21	64	51	34	81	62	21
#10	28	82	70	38	108	82	19	24	75	60	38	96	70	24
#11	31	94	77	42	126	94	22	27	87	69	42	114	77	27

NOTES (PERTAINING TO TABLE):
 A. TOP BARS ARE HORIZONTAL BARS THAT HAVE MORE THAN 12" OF FRESH CONCRETE CAST BELOW THEM.
 B. ALL BARS THAT ARE NOT "TOP BARS" ARE "OTHER" BARS.
 C. ABBREVIATIONS:
 -LCE - COMPRESSION EMBEDMENT LENGTH
 -LTS - TENSION EMBEDMENT LENGTH
 -LCS - COMPRESSION LAP SPLICE LENGTH
 -LTS - TENSION LAP SPLICE LENGTH
 -LDH - HOOKED BAR TENSION EMBEDMENT LENGTH

NOTES (GENERAL):
 A. STAGGER ALL SPLICES 12 IN. MIN. BUT NOT LESS THAN 12".
 B. ALL DIMENSIONS INDICATED IN TABLE ARE IN INCHES.
 C. BARS GREATER THAN #11 SHALL BE MECHANICALLY SPLICED.
 D. ALL SPLICES SHALL BE WIRED IN CONTACT STACKED VERTICAL.
MULTIPLIERS:
 ALL EMBEDMENT AND LAP SPLICE LENGTHS SHALL BE INCREASED AS REQ'D BY THE MULTIPLIERS BELOW. APPLY MULTIPLE MULTIPLIERS IF APPLICABLE.
 1.3 - IF CONCRETE CONTAINS LIGHT WEIGHT AGGREGATES
 1.3 - IF EPOXY COATED REBAR USED

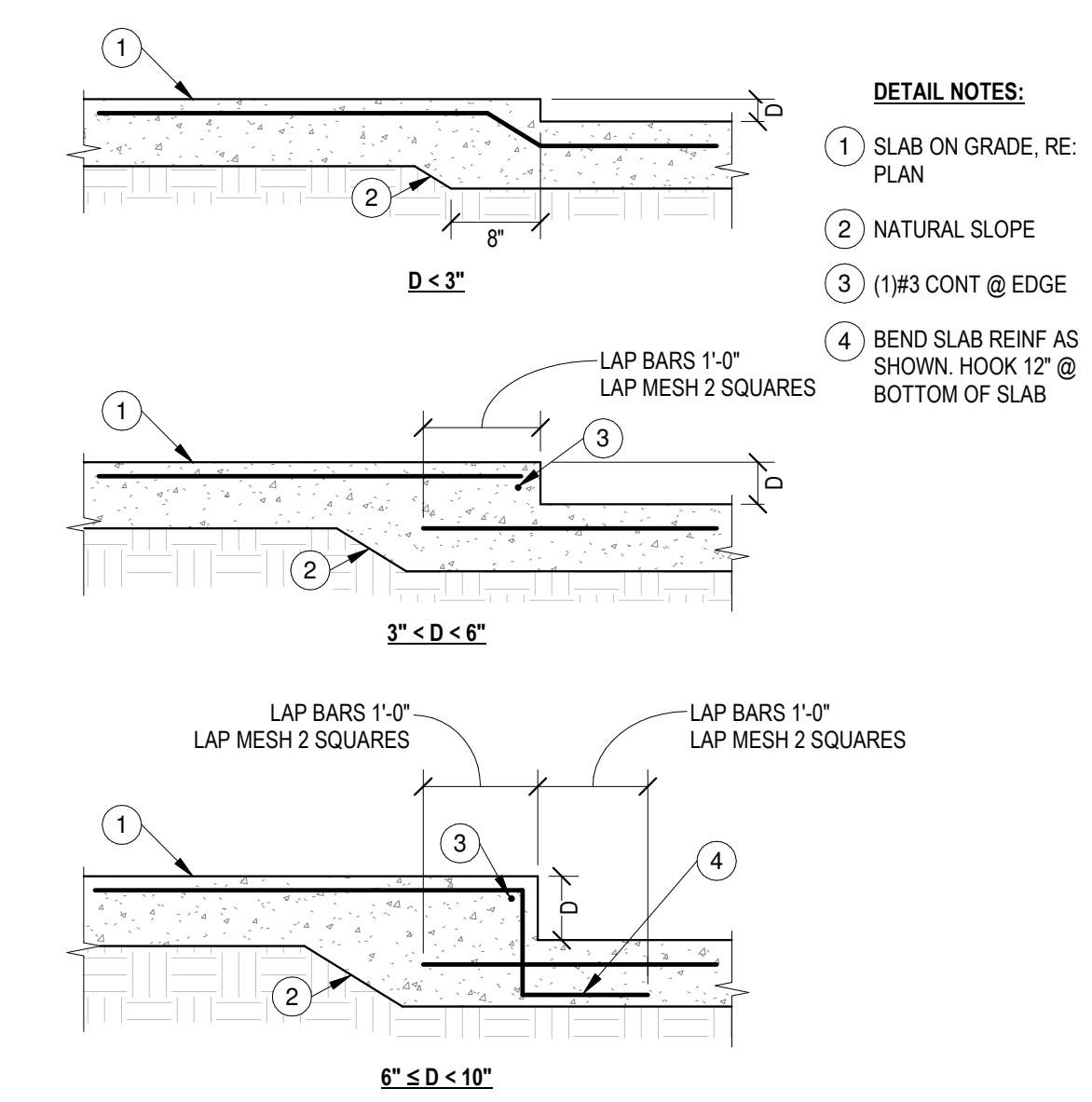
7 SPLICE & DEVELOPMENT SCHEDULE
3/4" = 1'-0"



1 CONC WALL CORNERS
3/4" = 1'-0"

1
2
3
4
5
D
C
B
A

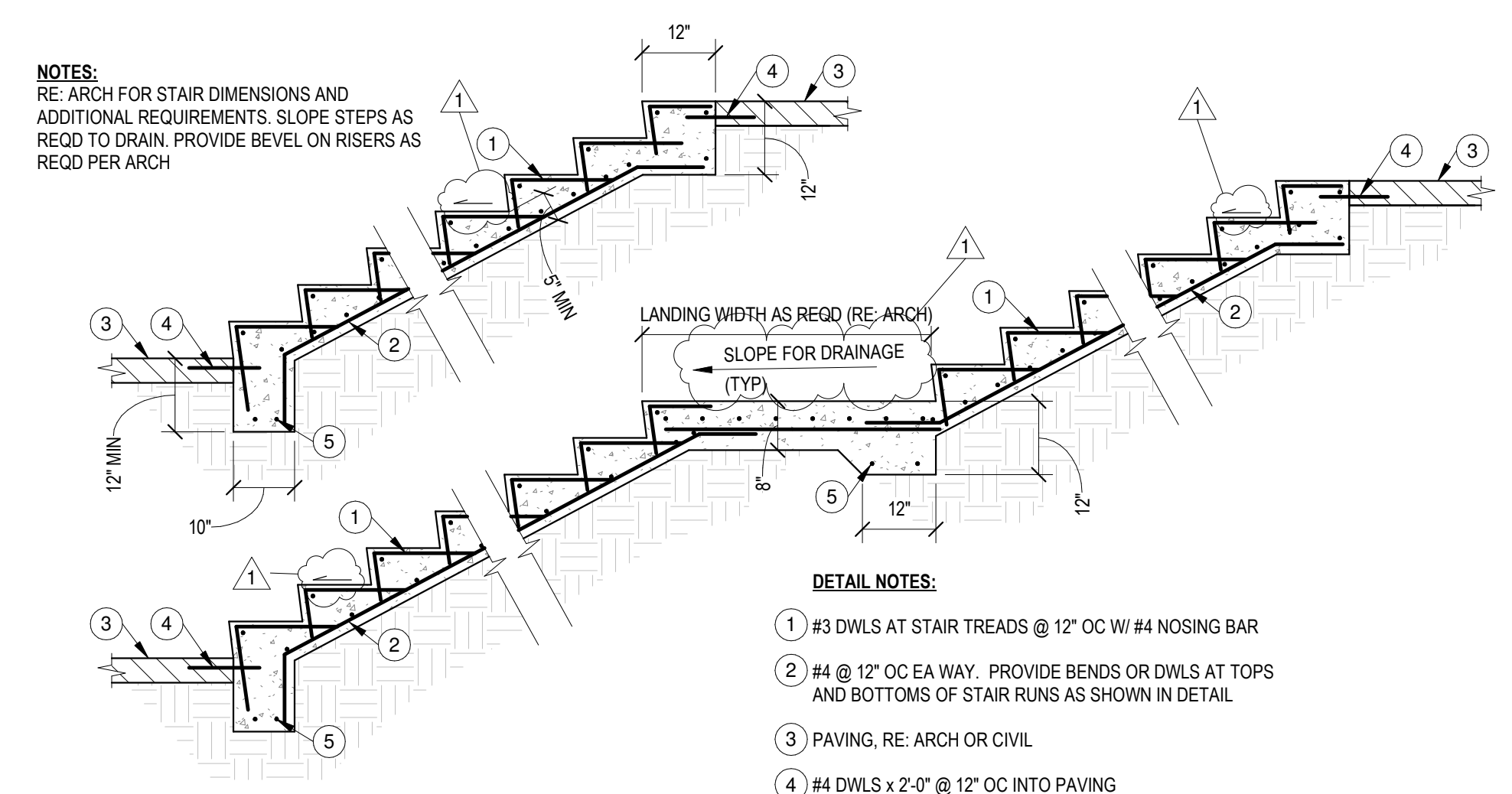
© 2014, 4/20/2021 5:32:42 PM C:\Users\awesawson\Documents\Autodesk\Revit\User Files\191144_Camdenton_Community_Center\S19_...awesawson\LN05.rvt



- DETAIL NOTES:**
- 1 SLAB ON GRADE, RE: PLAN
 - 2 NATURAL SLOPE
 - 3 (1) #3 CONT @ EDGE
 - 4 BEND SLAB REINF AS SHOWN, HOOK 12" @ BOTTOM OF SLAB

NOTES:
 A. COORDINATE DEPTH AND LOCATION OF ALL FLOOR DEPRESSIONS WITH ARCHITECTURAL DRAWINGS
 B. PROVIDE (1) #4 x 4'-0" TOP AT INTERIOR CORNERS OF ALL DEPRESSIONS

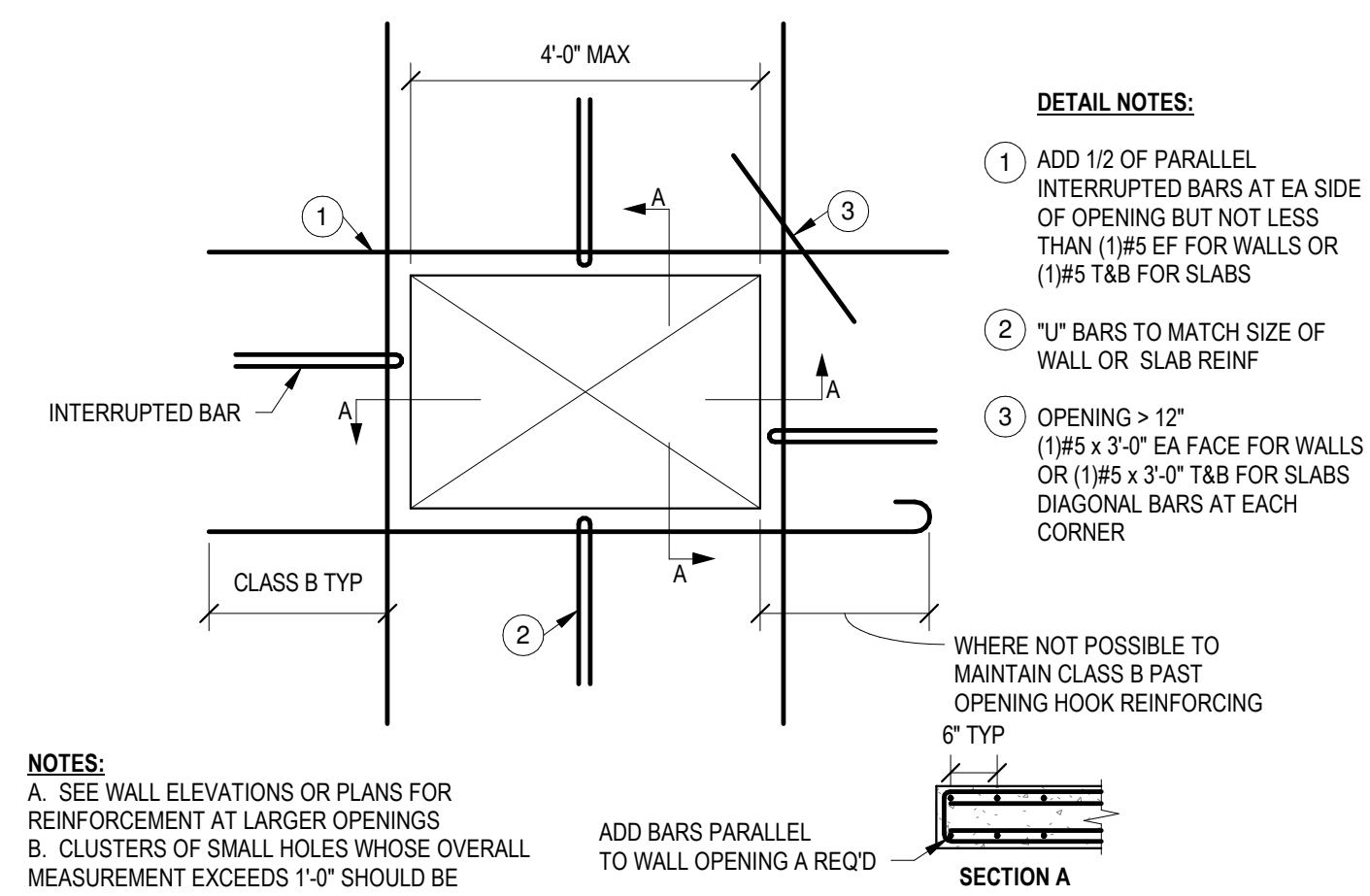
3 SLAB ON GRADE FLOOR DEPRESSION
 3/4" = 1'-0"



NOTES:
 RE: ARCH FOR STAIR DIMENSIONS AND ADDITIONAL REQUIREMENTS, SLOPE STEPS AS REQD TO DRAIN, PROVIDE BEVEL ON RISERS AS REQD PER ARCH

- DETAIL NOTES:**
- 1 #3 DWLS AT STAIR TREADS @ 12" OC W/ #4 NOSING BAR
 - 2 #4 @ 12" OC EA WAY. PROVIDE BENDS OR DWLS AT TOPS AND BOTTOMS OF STAIR RUNS AS SHOWN IN DETAIL
 - 3 PAVING, RE: ARCH OR CIVIL
 - 4 #4 DWLS x 2'-0" @ 12" OC INTO PAVING
 - 5 (2) #4 CONT

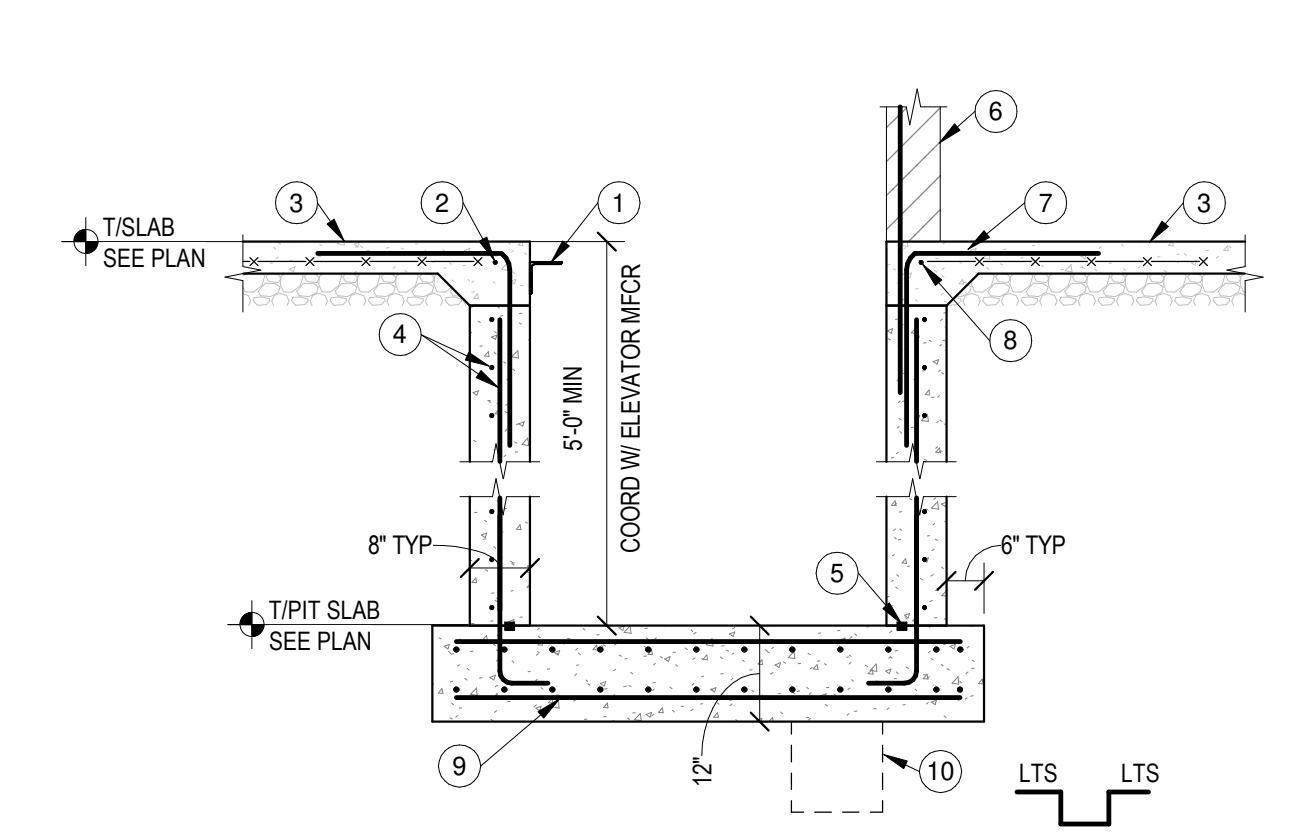
2 SITE STAIRS
 1/2" = 1'-0"



- DETAIL NOTES:**
- 1 ADD 1/2 OF PARALLEL, INTERRUPTED BARS AT EA SIDE OF OPENING BUT NOT LESS THAN (1) #5 EF FOR WALLS OR (1) #5 T&B FOR SLABS
 - 2 1" BARS TO MATCH SIZE OF WALL OR SLAB REINF
 - 3 OPENING > 12" (1) #5 x 3'-0" EA FACE FOR WALLS OR (1) #5 x 3'-0" T&B FOR SLABS. DIAGONAL BARS AT EACH CORNER

NOTES:
 A. SEE WALL ELEVATIONS OR PLANS FOR REINFORCEMENT AT LARGER OPENINGS
 B. CLUSTERS OF SMALL HOLES WHOSE OVERALL MEASUREMENT EXCEEDS 1'-0" SHOULD BE REINFORCED AS ONE OPENING
 C. WALLS CAN SPAN IN EITHER DIRECTION

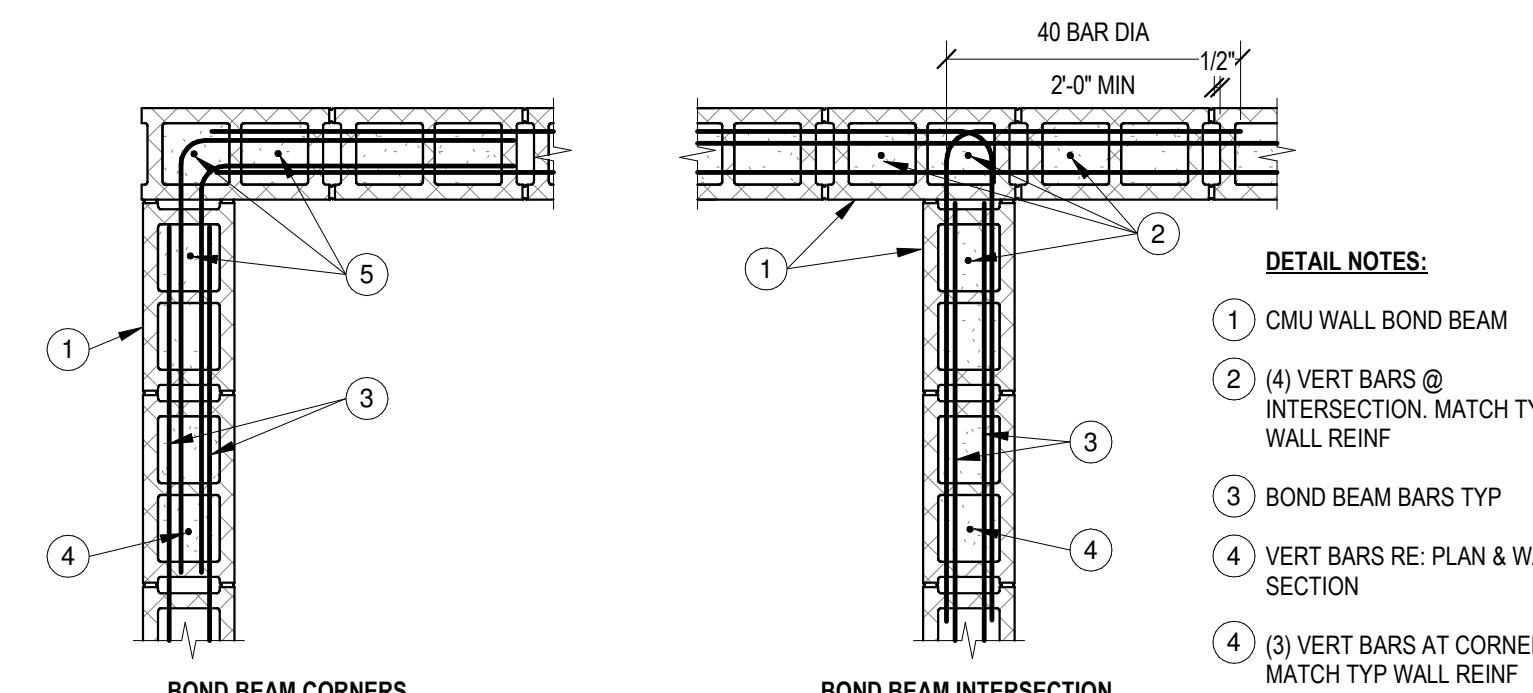
4 CONC WALL REINF @ OPENINGS
 1/2" = 1'-0"



- DETAIL NOTES:**
- 1 SILL ANGLE, COORD LOCATION AND ATTACHMENT PER ELEVATOR SUPPLIER
 - 2 (2) #4 TOP BARS AT OPENING. EXTEND 2'-8" BEYOND FACE OF OPENING
 - 3 CONC FLOOR SLAB PER PLAN
 - 4 #4 @ 12" OC EW. PROVIDE HOOKS ON VERT BARS INTO FTG
 - 5 CONT WATERSTOP
 - 6 SEE PLAN FOR WALLS AROUND PIT. ATTACH TO SLAB PER TYPICAL DETAILS
 - 7 #4 DWLS (18" x 24") @ 24" OC (LLV)
 - 8 (1) #4 CONT AROUND PIT
 - 9 #5 @ 12" OC EA WAY T&B (FIELD CUT AT OPENINGS)
 - 10 COORD SUMP PIT SIZE AND LOCATION W/ ELEVATOR SUPPLIER AND MECHANICAL. PROVIDE 8" CONC WALLS AND FLOOR WITH #5 BARS @ 12" OC CENTERED

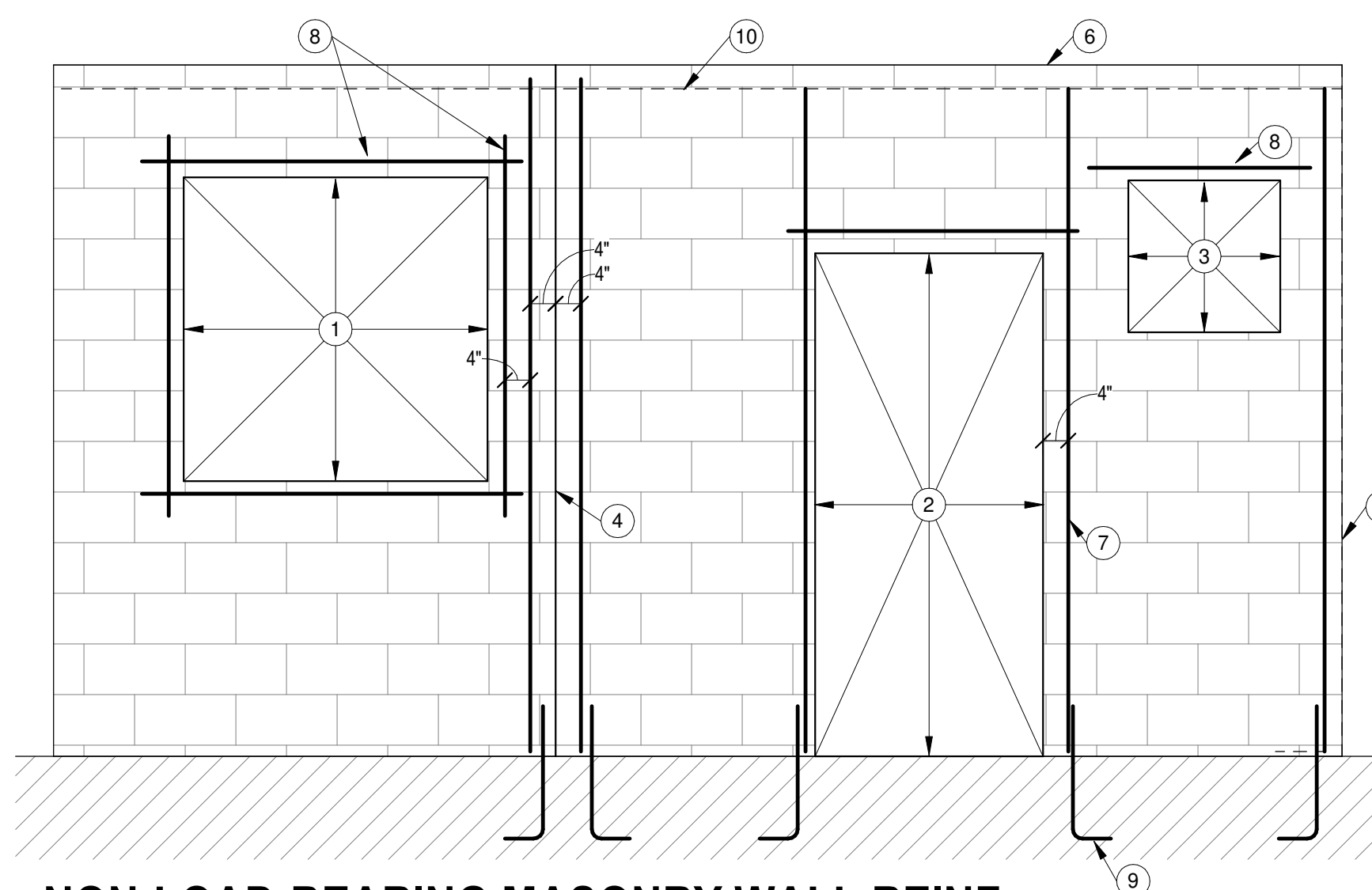
1 ELEVATOR PIT
 1/2" = 1'-0"

MARK	DATE	DESCRIPTION
1	04-23-21	bid set



4 MASONRY BOND BEAM
 3/4" = 1'-0"

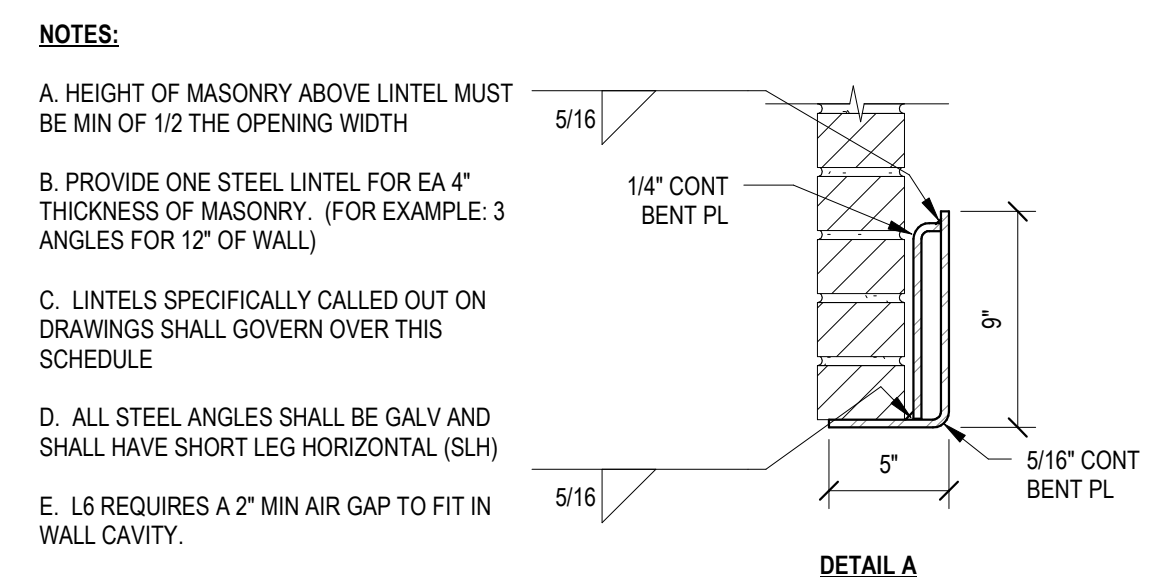
- DETAIL NOTES:**
- 1 CMU WALL BOND BEAM
 - 2 (4) VERT BARS @ INTERSECTION. MATCH TYP WALL REINF
 - 3 BOND BEAM BARS TYP
 - 4 VERT BARS RE: PLAN & WALL SECTION
 - 5 (2) VERT BARS AT CORNER. MATCH TYP WALL REINF



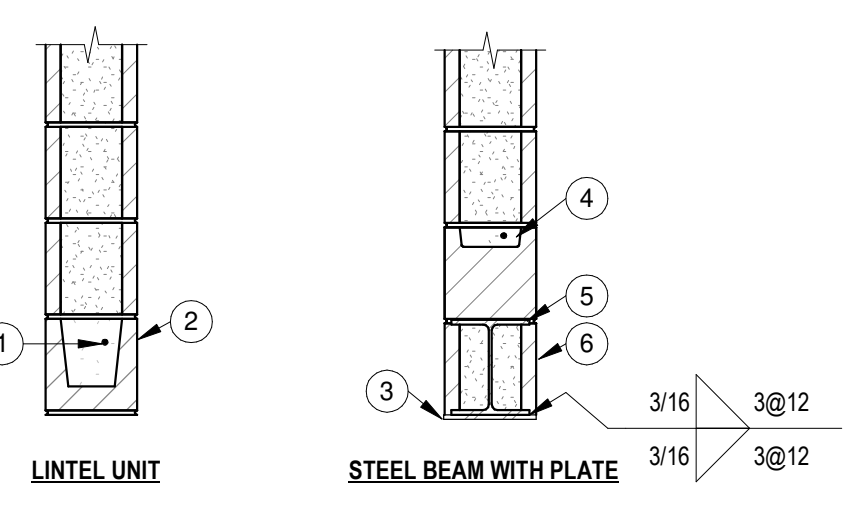
3 NON-LOAD-BEARING MASONRY WALL REINF
 1/2" = 1'-0"

- DETAIL NOTES:**
- 1 WALL OPENING WHERE EITHER DIMENSION IS 4'-0" OR MORE
 - 2 DOOR OPENING
 - 3 WALL OPENING WITH 2'-0" OR MORE BUT LESS THAN 4'-0" IN EITHER DIRECTION
 - 4 MASONRY CONTROL JOINT
 - 5 END WALL
 - 6 TOP OF WALL OR FLOOR LINE
 - 7 ONE BAR EXTEND DOWN TO WALL BASE
 - 8 ONE BAR EXTENDED 2'-0" OR 40 BAR DIA MIN BEYOND OPENING
 - 9 EMBEDDED DWL TO MATCH VERT BAR
 - 10 HORIZ BOND BEAM. RE: STRUCTURAL GENERAL NOTES
- NOTES:**
 A. SIZE OF VERT & HORIZ BARS TO MATCH WALL VERT & HORIZ BARS MIN #4 BARS
 B. BOND BEAMS AT ROOF CEILING & FLOOR JOIST BEARING SHALL BE CONT THRU CONTROL JOINTS

LOOSE LINTEL SCHEDULE		
MARK	OPENING SIZE	BRG LENGTH
L1	UP TO 1'-8"	1/4" PL x WALL WIDTH - 1/2"
L2	1'-9" TO 3'-0"	L3 1/2" x 3 1/2" x 14"
L3	3'-1" TO 4'-5"	L4 3 1/2" x 5 1/8"
L4	4'-6" TO 6'-3"	L5 5" x 3 1/2" x 3/8"
L5	6'-4" TO 8'-0"	L6 6" x 3 1/2" x 3/8"
L6	8'-1" TO 12'-0"	5/16" & 1/4" BENT PL (SEE DETAIL A)

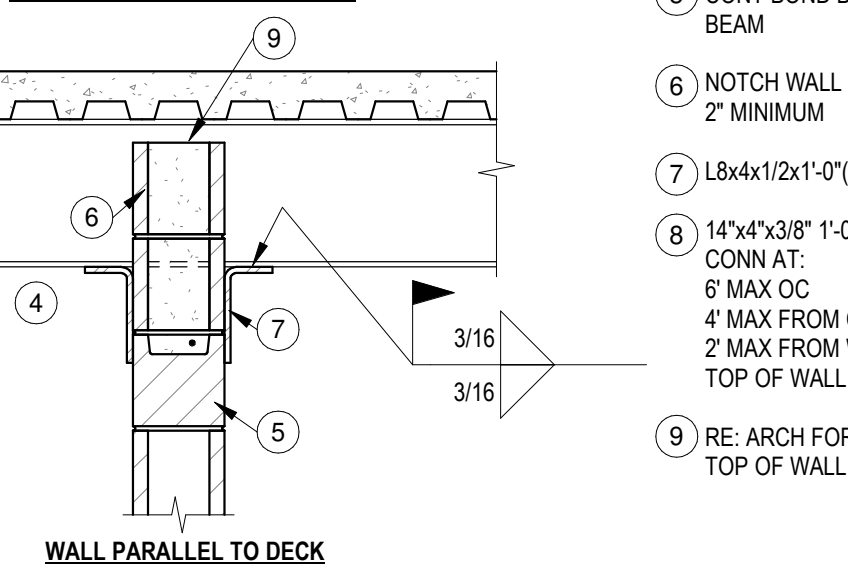
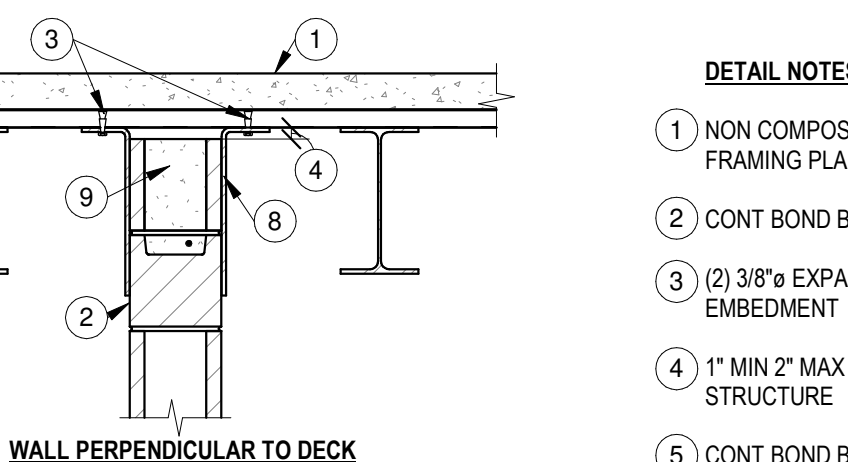


8 LOOSE LINTEL SCHEDULE
 1 1/2" = 1'-0"



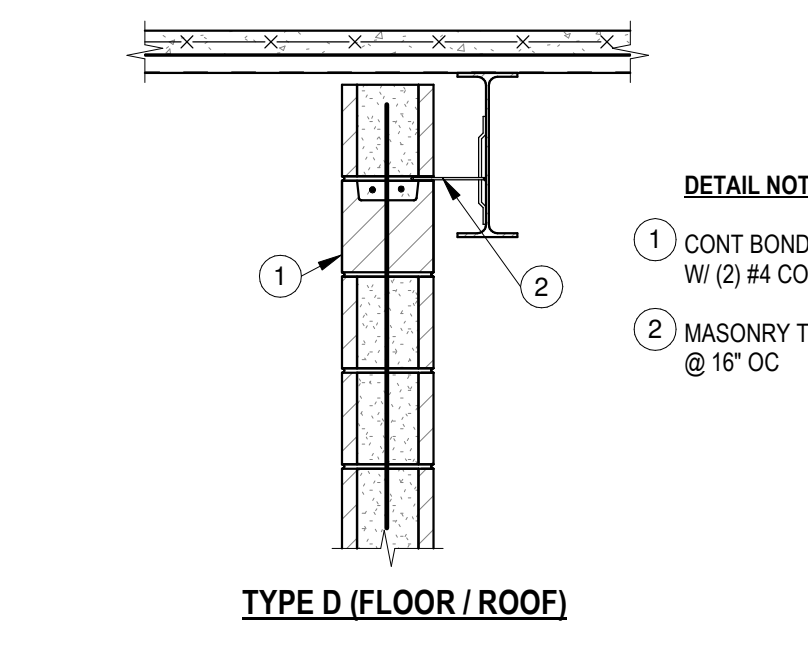
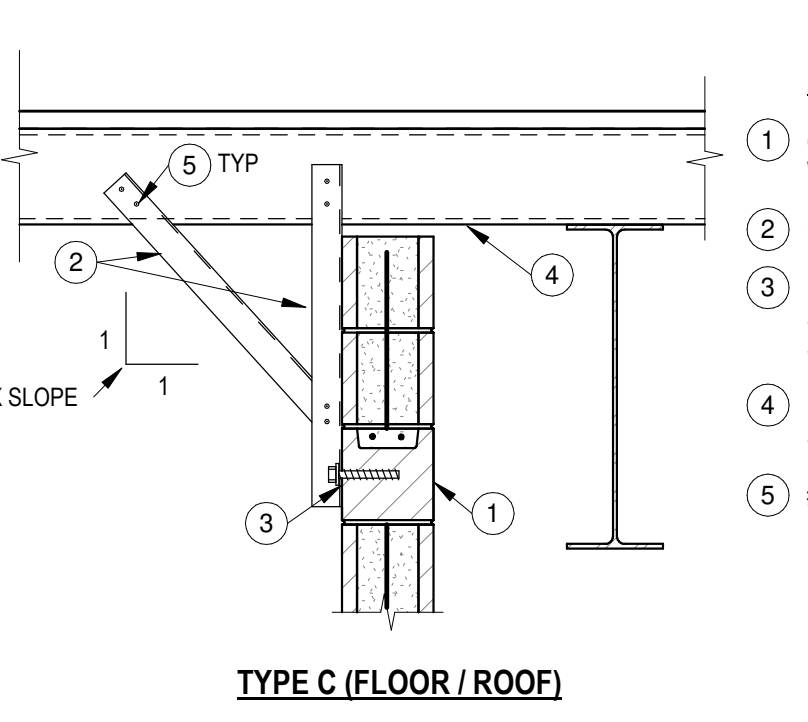
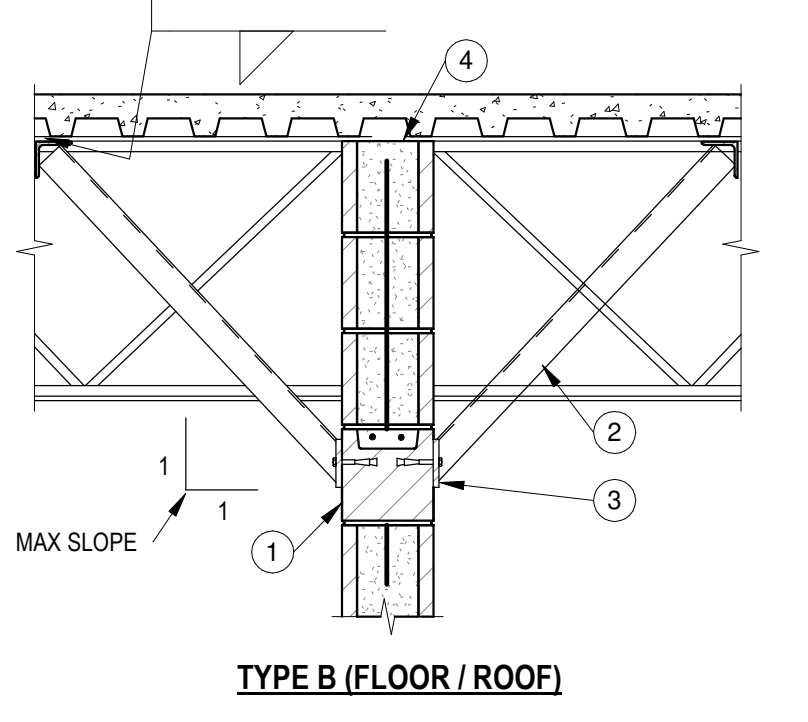
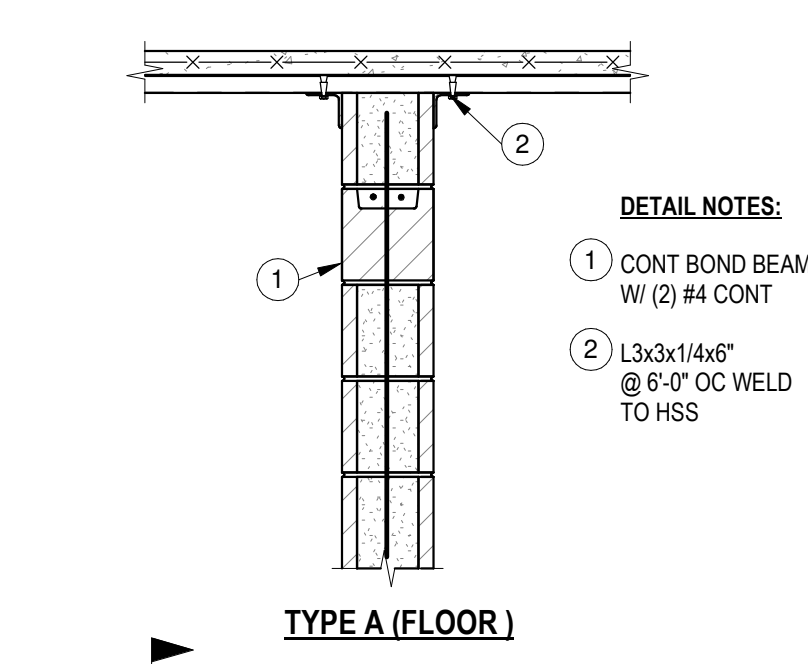
8" CMU LINTEL SCHEDULE	
MAX OPENING W"	CMU LINTEL
6'-0"	8" HIGH LINTEL UNIT W/ (2)#5 HORZ BOTTOM
8'-0"	16" HIGH LINTEL UNIT W/ (2)#5 HORZ BOTTOM
10'-0"	W8x15 BEAM W/ 1/4" x 7" BOTTOM PLATE
12'-0"	W8x21 BEAM W/ 1/4" x 7" BOTTOM PLATE
16'-0"	W16x31 BEAM W/ 1/4" x 7" BOTTOM PLATE

7 LINTEL SCHEDULE
 3/4" = 1'-0"



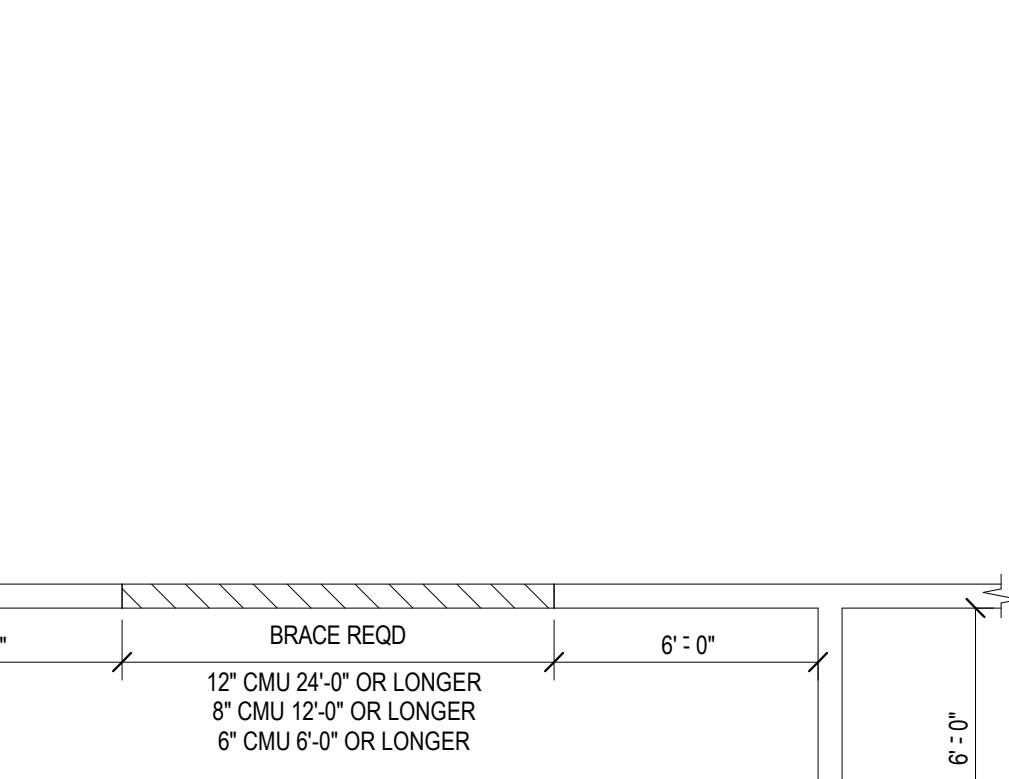
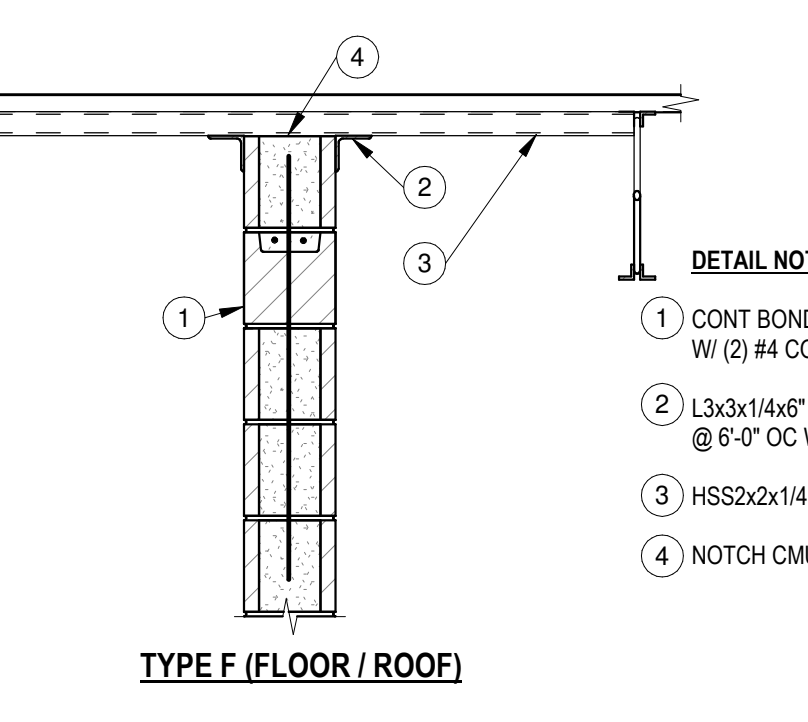
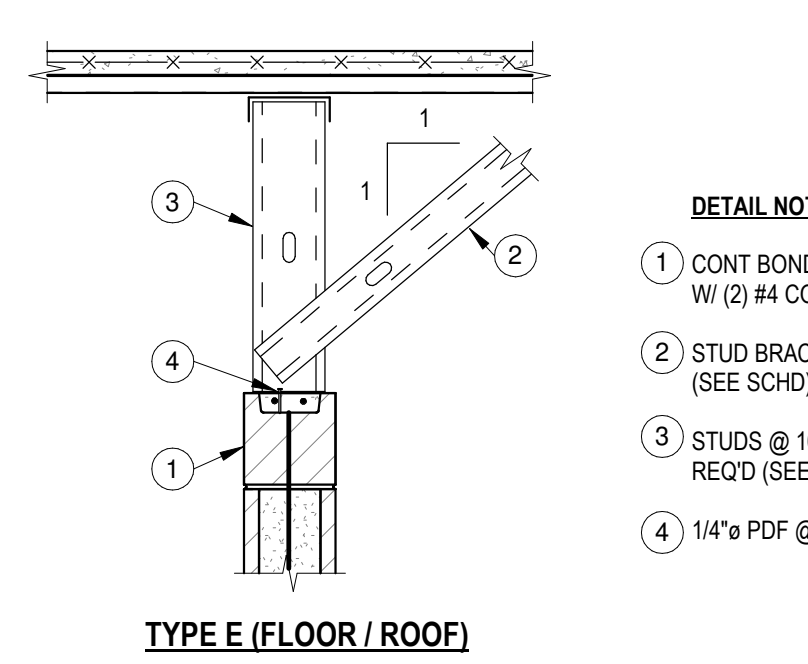
6 CMU T/WALL CONN AT CONG TOPPED DECK
 3/4" = 1'-0"

- DETAIL NOTES:**
- 1 NON COMPOSITE DECK AND JOISTS. RE: FRAMING PLANS
 - 2 CONT BOND BEAM RE: TYPICAL DETAILS
 - 3 (2) 3/8" EXPANSION ANCHORS W/ 1 1/2" MIN EMBEDMENT
 - 4 1" MIN 2" MAX CLEAR BTWN CMU WALL & STRUCTURE
 - 5 CONT BOND BEAM, FIRST COURSE UNDER BEAM
 - 6 NOTCH WALL @ EA BEAM, BEAM WIDTH PLUS 2" MINIMUM
 - 7 L8x12x1'-0"(LLV) @ BEAM SPACING
 - 8 1/4"x4"x3/8" 1'-0"(LLV) BENT PLATE, SPACE CONT AT 6" MAX OC 4" MAX FROM CORNERS 2" MAX FROM WALL ENDS OR BLOCKOUTS IN TOP OF WALL
 - 9 RE: ARCH FOR TREATMENT OF SPACE BTWN TOP OF WALL AND BOT OF DECK



5 CMU T/WALL BRACING CONN DETAILS
 3/4" = 1'-0"

- DETAIL NOTES:**
- 1 CONT BOND BEAM W/ (2) #4 CONT
 - 2 L3x3x1/4" @ 6'-0" OC WELD TO HSS
 - 3 PL 1/4"x4" W/ (1) 1/2" x 4" EXPANSION BOLT
 - 4 RE: ARCH FOR TOP OF CMU CONDITION
- DETAIL NOTES:**
- 1 CONT BOND BEAM W/ (2) #4 CONT
 - 2 L2 1/2x2 1/2x1/4 @ 4'-0" OC
 - 3 PL 1/4"x4" W/ (1) 1/2" x 4" EXPANSION BOLT
 - 4 RE: ARCH FOR TOP OF CMU CONDITION
- DETAIL NOTES:**
- 1 CONT BOND BEAM W/ (2) #4 CONT
 - 2 L3x3x1/4 @ 4'-0" OC
 - 3 1/2" DIA x 5" LONG SCREW ANCHOR IN SLOTTED HOLE
 - 4 PURLIN BY PEMB SUPPLIER
 - 5 #12 TEK SCREW
- DETAIL NOTES:**
- 1 CONT BOND BEAM W/ (2) #4 CONT
 - 2 MASONRY TIE @ 16" OC



INTERIOR LOCATIONS ONLY

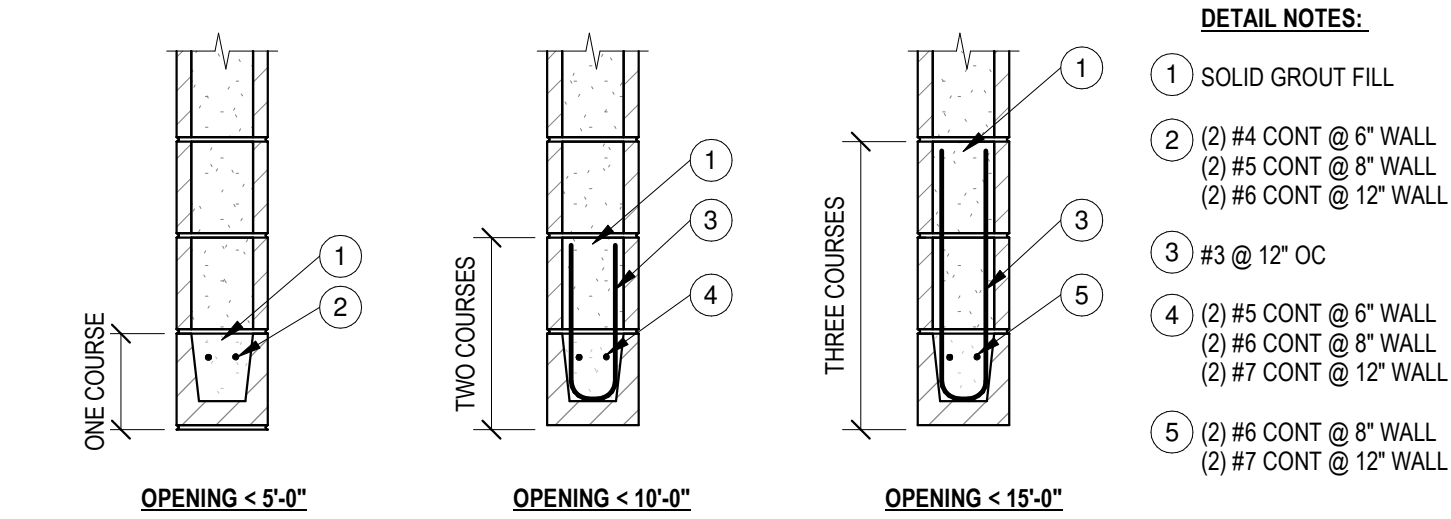
NON-LOAD BEARING MASONRY WALL BRACES, BRACING AT THE TOP OF MASONRY WALLS IS REQUIRED ON STRAIGHT RUNS OF WALL MORE THAN SIX FEET FROM A CORNER, INTERSECTING WALL OR AS NOTED ABOVE

WHEN THE MASONRY WALL TERMINATES AT THE BOTTOM OF THE DECK, A TYPE 'A' ATTACHMENT AT THE FLOOR DECK OR A TYPE 'B', 'C', 'D' OR 'F' ATTACHMENT AT EITHER THE FLOOR OR ROOF MAY BE USED. WHEN WALLS TERMINATE ABOVE THE CEILING A TYPE 'B', 'C' OR 'E' ATTACHMENT SHOULD BE USED

TYPICAL CMU WALL BRACING LOCATION PLAN

- DETAIL NOTES:**
- 1 CONT BOND BEAM W/ (2) #4 CONT
 - 2 STUD BRACE @ 48" OC (SEE SCHED)
 - 3 STUDS @ 16" OC AS REQD (SEE ARCH)
 - 4 1/4" x 1/4" @ 24" OC

3 NON-LOAD-BEARING MASONRY WALL REINF
 1/2" = 1'-0"

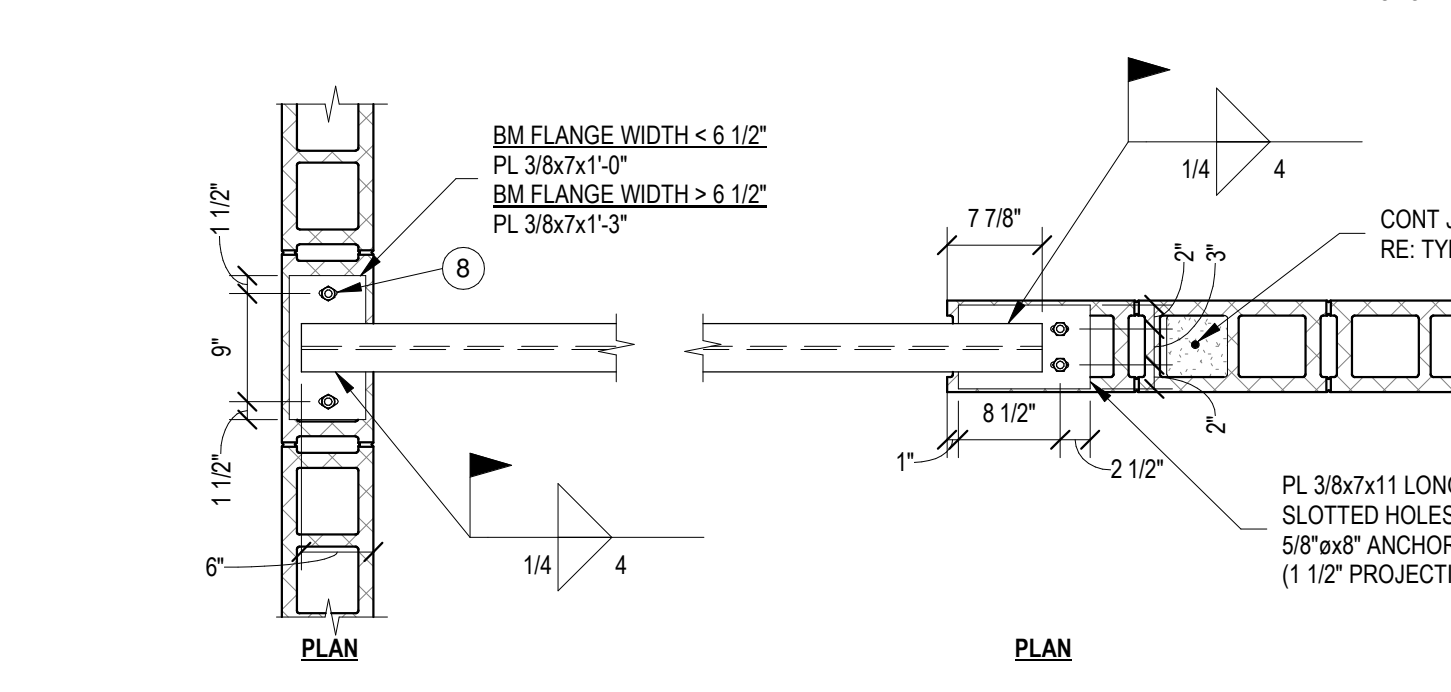
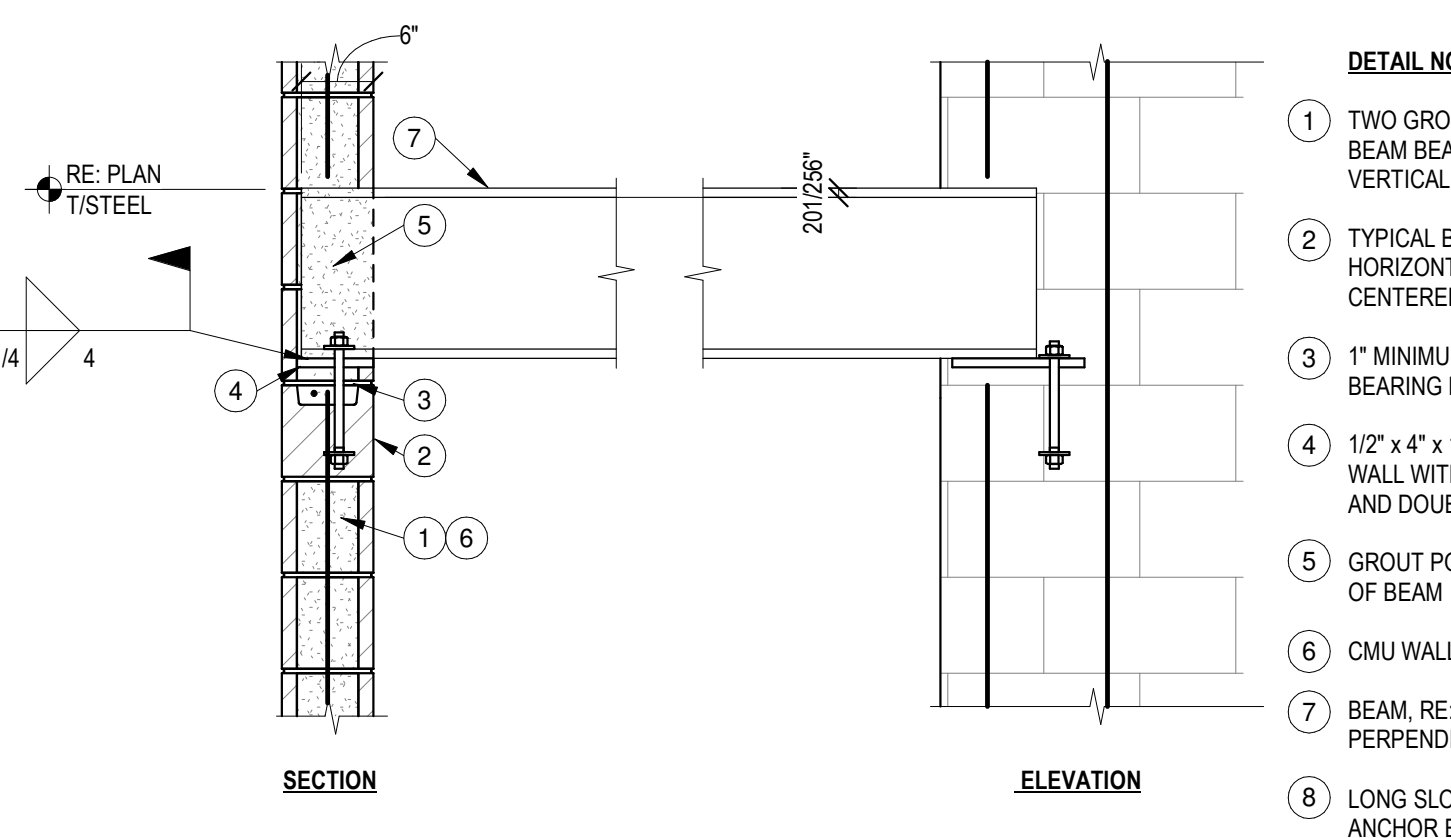


DETAIL NOTES:

- 1 SOLID GROUT FILL
- 2 (2) #4 CONT @ 8" WALL
- 3 (2) #3 @ 12" WALL
- 4 (2) #5 CONT @ 8" WALL
- 5 (2) #7 CONT @ 12" WALL
- 6 (2) #5 CONT @ 8" WALL
- 7 (2) #7 CONT @ 12" WALL

NOTES:
 PROVIDE BLOCK LINTELS FOR ALL OPENINGS IN INT & EXT BLOCK WALLS FOR WHICH STEEL LINTELS ARE NOT SCHEDULED. SEE ARCH DRAWINGS FOR SIZE & LOCATION OF OPENINGS
 PROVIDE 8" MIN BRG EA END OF LINTEL
 PROVIDE (2) #5 VERT IN FULLY GROUTED CELLS AT EA JAMB

2 MASONRY LINTEL SCHEDULE
 3/4" = 1'-0"



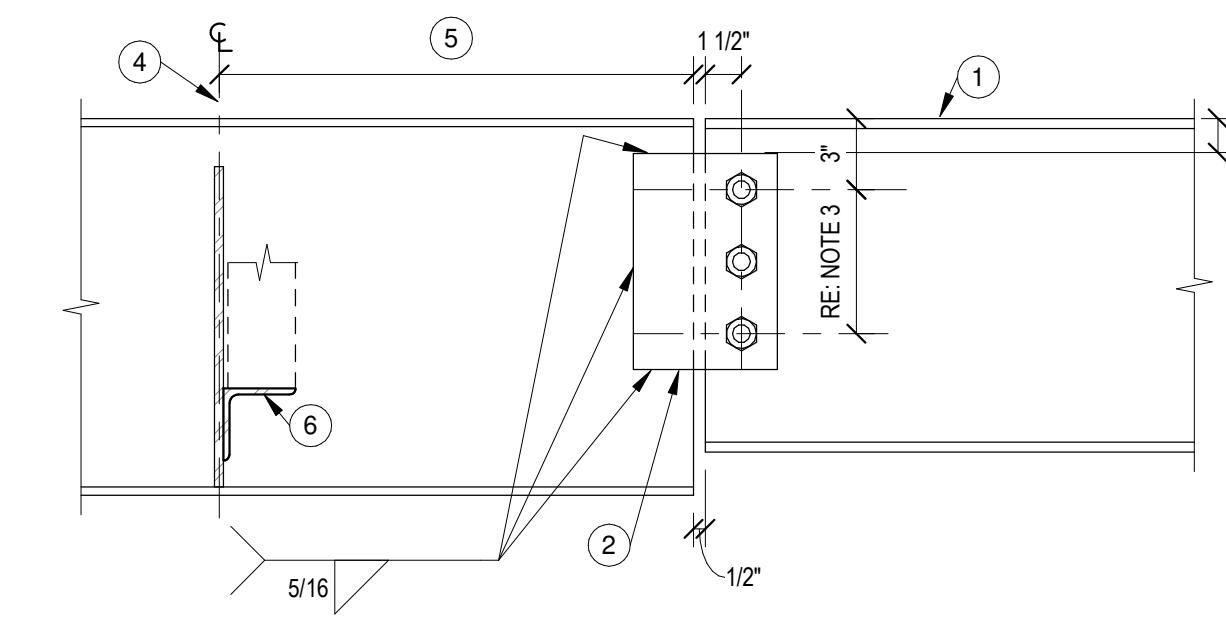
1 BEAM BEARING CONN
 3/4" = 1'-0"

- DETAIL NOTES:**
- 1 TWO GROUTED CELLS FULL HEIGHT AT BEAM BEARING. REINFORCE WITH (1) #5 VERTICAL MINIMUM (LNO) IN EACH CELL
 - 2 TYPICAL BOND BEAM OR (1) #5 x 4'-0" HORIZONTAL IN 4'-0" BOND BEAM, CENTERED BELOW BEAM
 - 3 1" MINIMUM NON-SHRINK GROUT UNDER BEARING PLATE
 - 4 1/2" x 4" x 10" BEARING PLATE CENTERED ON WALL WITH (2) 3/4" x 10" ANCHOR BOLTS AND DOUBLE NUTS
 - 5 GROUT POCKET SOLID AFTER INSTALLATION OF BEAM
 - 6 CMU WALL THICKNESS. RE: PLAN
 - 7 BEAM. RE: PLAN FOR SIZE BEAM FRAMES PERPENDICULAR TO WALL
 - 8 LONG SLOTTED HOLES W/ (2) 5/8"x8" ANCHOR BOLTS (1 1/2" PROJECTION)

- DETAIL NOTES:**
- 1 CONT BOND BEAM W/ (2) #4 CONT
 - 2 L3x3x1/4" @ 6'-0" OC WELD TO HSS
 - 3 HSS2x2x1/4 @ 6'-0" OC
 - 4 NOTCH CMU AROUND TUBE

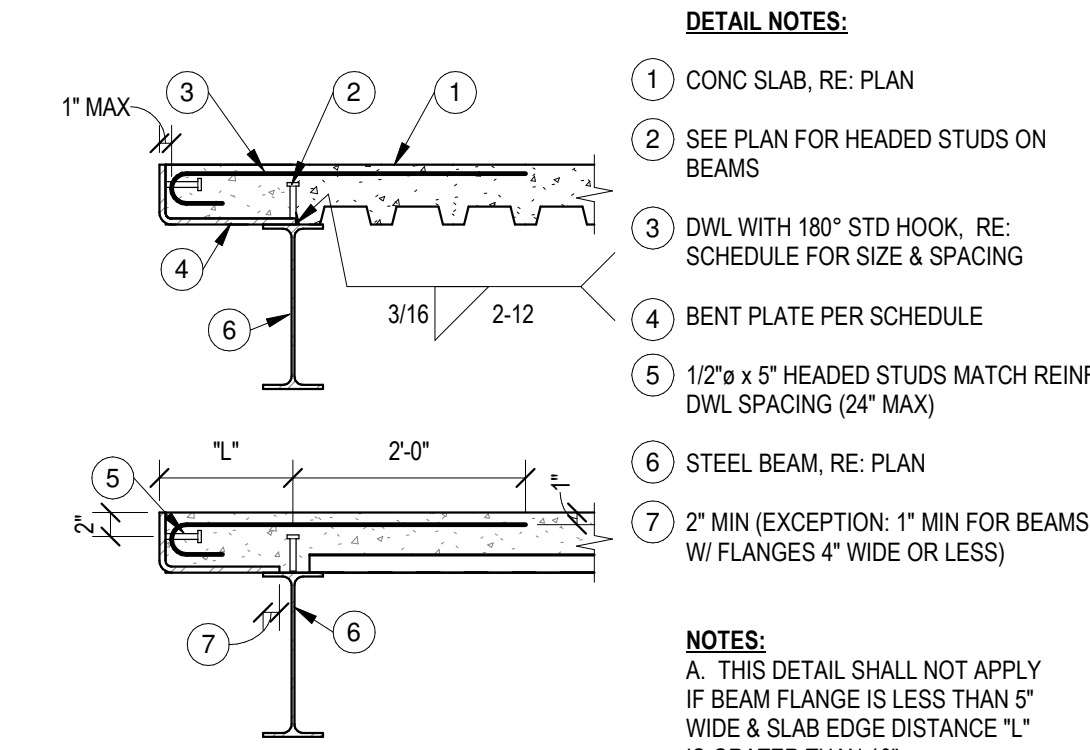
MARK	DATE	DESCRIPTION

SFS PROJECT NO: 181012
 ISSUED FOR: 100% CDG
 ISSUE DATE: 04.23.21
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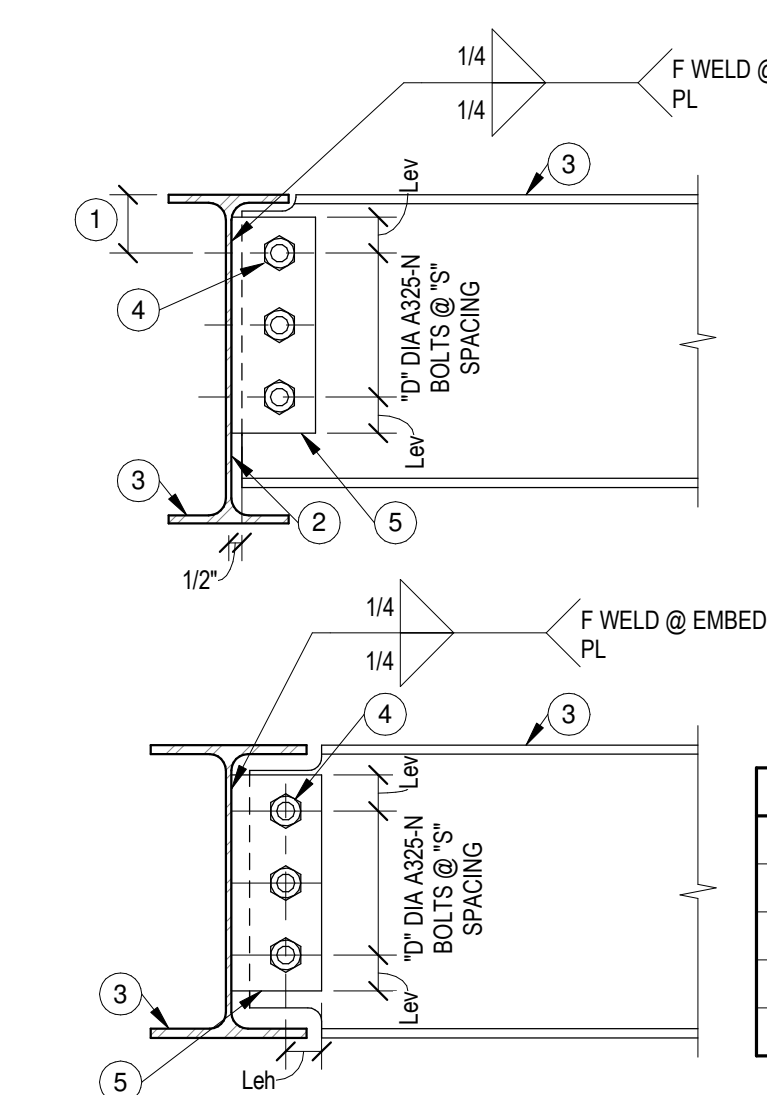
- DETAIL NOTES:**
- STEEL BEAM, RE. PLAN
 - A36 TAB PL 3/8"x6 1/2" x "L" (SEE SCHEDULE FOR NORMAL BEAM DEPTH)
 - 3/4" A325 BOLTS UNO (SPACE AT 3" OC)
 - CENTERLINE OF COLUMN OR BEAM SUPPORT
 - RE. FRAMING PLAN FOR DIMENSION (1'-0" UNO)
 - 3"x3"x1/8" ANGLE BRACING FROM BOT FLANGE TO NEAREST JOIST OR BEAM. ATTACH ON EA END W/ (1) 1/2" BOLT, OR 3" OF 3/16" WELD

9 BEAM SPLICE CONN
1 1/2" = 1'-0"



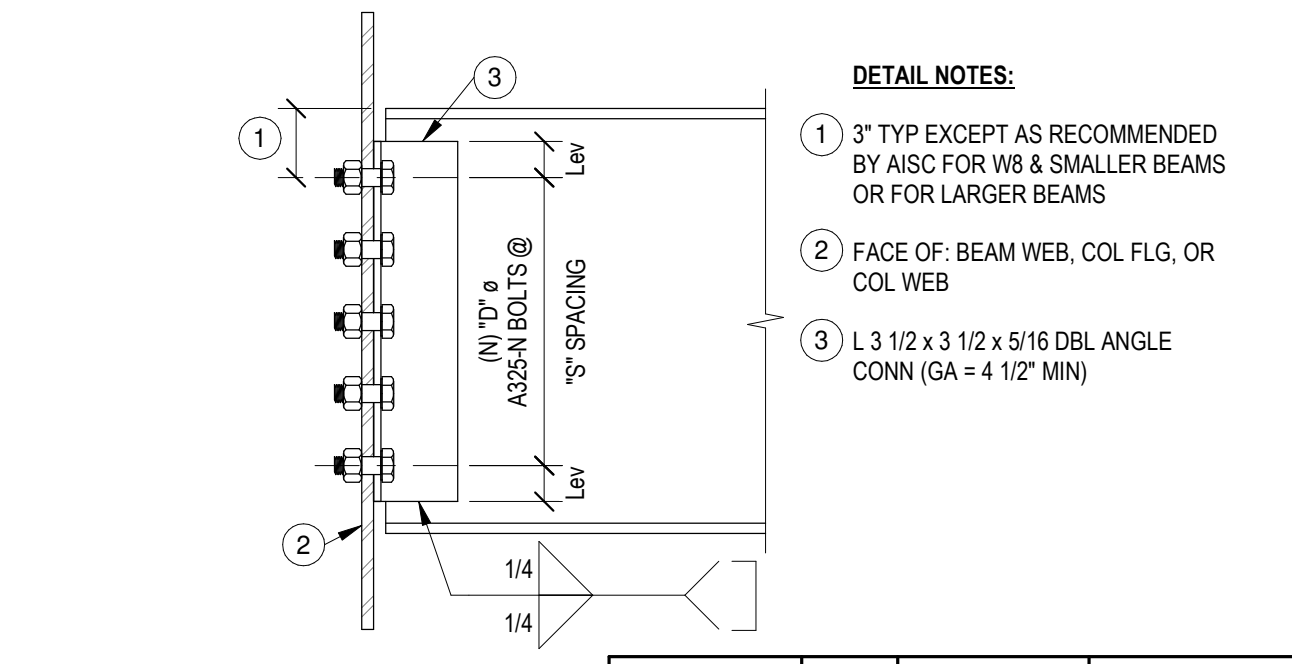
- DETAIL NOTES:**
- CONC SLAB, RE. PLAN
 - SEE PLAN FOR HEADED STUDS ON BEAMS
 - DWL WITH 180° STD HOOK, RE. SCHEDULE FOR SIZE & SPACING
 - BENT PLATE PER SCHEDULE
 - 1/2" x 5" HEADED STUDS MATCH REINF DWL SPACING (24" MAX)
 - STEEL BEAM, RE. PLAN
 - 2" MIN (EXCEPTION: 1" MIN FOR BEAMS W/ FLANGES 4" WIDE OR LESS)
- NOTES:**
A. THIS DETAIL SHALL NOT APPLY IF BEAM FLANGE IS LESS THAN 3" WIDE & SLAB EDGE DISTANCE "L" IS GREATER THAN 12"
B. HOOKED DWLS ARE NOT REQD IF "L" < 6"

5 SLAB EDGE
3/4" = 1'-0"



- DETAIL NOTES:**
- 3" TYP EXCEPT AS RECOMMENDED BY AISC FOR W8 & SMALLER BEAMS OR FOR LARGER BEAMS
 - FACE OF BEAM WEB, COL. FLG, COL. WEB, OR EMBED PLATE
 - STEEL BEAM, RE. PLAN
 - HOLES MAY BE HORIZ SHORT SLOTS AS REQD
 - 5/16" TAB PL. WIDTH = 2 x Leff + 1/2". DEPTH AS REQD
- | BEAM | N | V-ALLOW (K) | VARIABLES |
|----------|---|-------------|---------------------------|
| W8, W10 | 2 | 12.6 | Leff = 1 1/2"
D = 3/4" |
| W12, W14 | 3 | 22.4 | Leff = 1 1/2"
D = 3/4" |
| W16 | 4 | 33.0 | N = PER TABLE
S = 3" |
| W18 | 5 | 41.3 | |
| W21, W24 | 6 | 52.8 | |

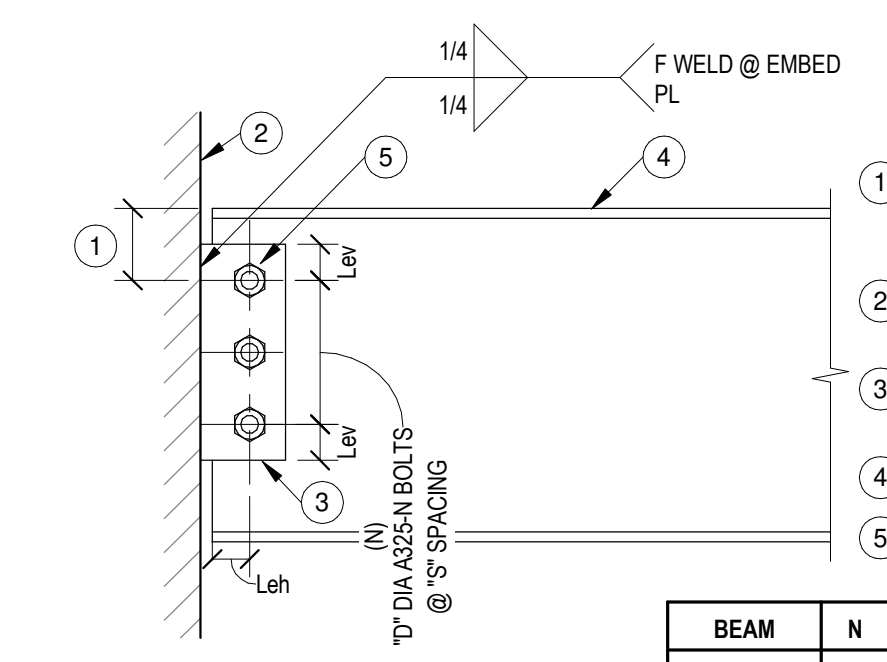
8 SHEAR TAB CONN - COPED
1 1/2" = 1'-0"



- DETAIL NOTES:**
- 3" TYP EXCEPT AS RECOMMENDED BY AISC FOR W8 & SMALLER BEAMS OR FOR LARGER BEAMS
 - FACE OF BEAM WEB, COL. FLG, OR COL. WEB
 - L 3 1/2 x 3 1/2 x 5/16 DBL ANGLE CONN (GA = 4 1/2" MIN)

BEAM	N	V-ALLOW (K)	VARIABLES
W8, W10	2	25.8	Leff = 1 1/2" D = 3/4"
W12, W14	3	38.4	N = PER TABLE S = 3"
W16	4	55.0	
W18	5	76.5	
W21, W24	6	97.0	

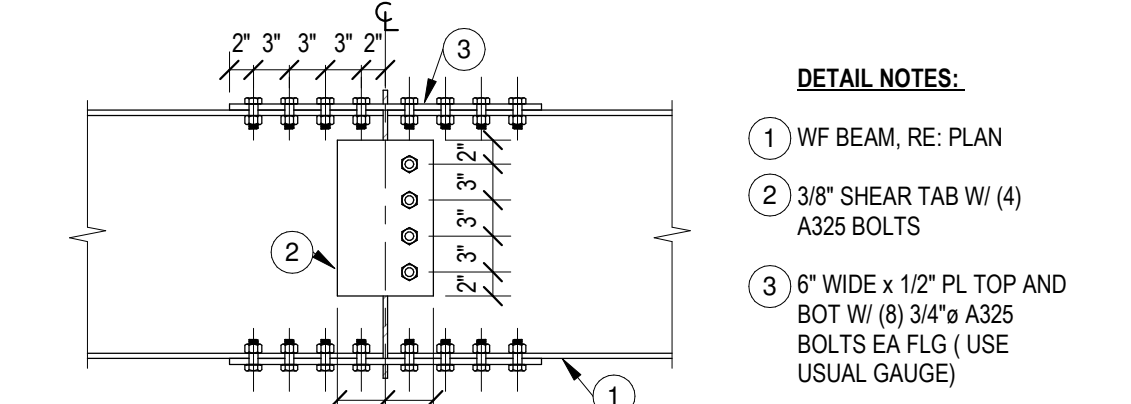
4 DOUBLE ANGLE CONN
1 1/2" = 1'-0"



- DETAIL NOTES:**
- 3" TYP EXCEPT AS RECOMMENDED BY AISC FOR W8 & SMALLER BEAMS OR FOR LARGER BEAMS
 - FACE OF BEAM WEB, COL. FLG, COL. WEB, OR EMBED PLATE
 - 5/16" TAB PL. WIDTH = 2 x Leff + 1/2". DEPTH AS REQD
 - STEEL BEAM, RE. PLAN
 - HOLES MAY BE HORIZ SHORT SLOTS AS REQD

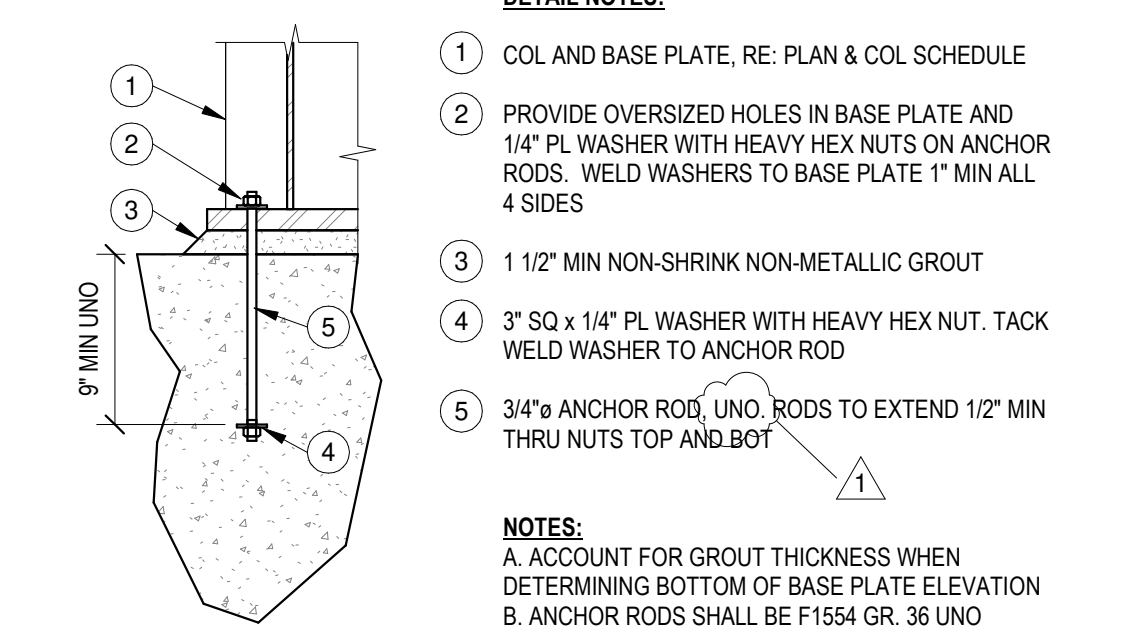
BEAM	N	V-ALLOW (K)	VARIABLES
W8, W10	2	12.6	Leff = 1 1/2" Leff = 1 1/2" D = 3/4"
W12, W14	3	22.4	N = PER TABLE S = 3"
W16	4	33.0	
W18	5	41.3	
W21, W24	6	52.8	

3 SHEAR TAB CONN
1 1/2" = 1'-0"



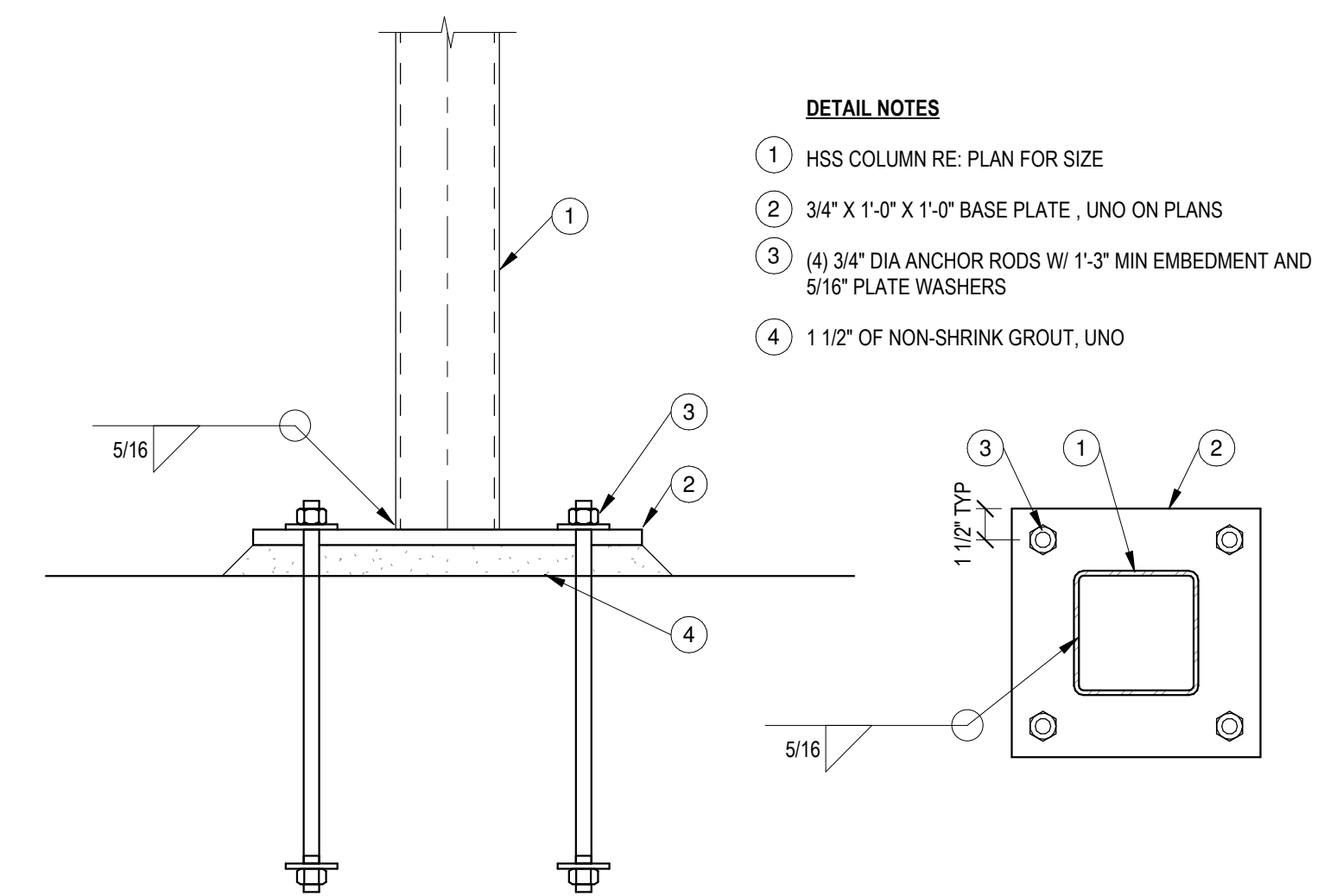
- DETAIL NOTES:**
- WF BEAM, RE. PLAN
 - 3/8" SHEAR TAB W/ (4) A325 BOLTS
 - 6" WIDE x 1/2" PL TOP AND BOT W/ (8) 3/4" A325 BOLTS EA FLG (USE USUAL GAUGE)

2 BEAM SPLICE - BOLTED MOMENT CONN
3/4" = 1'-0"



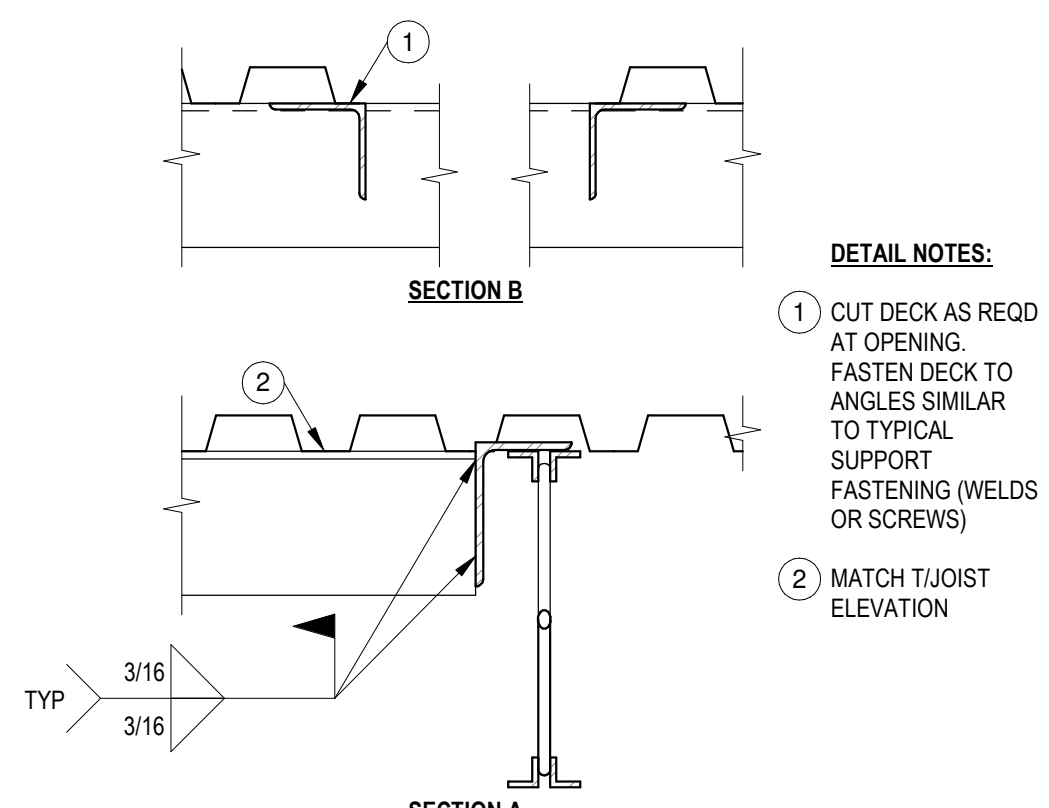
- DETAIL NOTES:**
- COL AND BASE PLATE, RE. PLAN & COL SCHEDULE
 - PROVIDE OVERSIZED HOLES IN BASE PLATE AND 1/4" PL WASHER WITH HEAVY HEX NUTS ON ANCHOR RODS. WELD WASHERS TO BASE PLATE 1" MIN ALL 4 SIDES
 - 1 1/2" MIN NON-SHRINK NON-METALLIC GROUT
 - 3" SQ x 1/4" PL WASHER WITH HEAVY HEX NUT. TACK WELD WASHER TO ANCHOR ROD
 - 3/4" ANCHOR ROD, UNO. RODS TO EXTEND 1/2" MIN THRU NUTS TOP AND BOT
- NOTES:**
A. ACCOUNT FOR GROUT THICKNESS WHEN DETERMINING BOTTOM OF BASE PLATE ELEVATION
B. ANCHOR RODS SHALL BE F1554 GR. 36 UNO

1 ANCHOR ROD
3/4" = 1'-0"



- DETAIL NOTES:**
- HSS COLUMN RE. PLAN FOR SIZE
 - 3/4" x 1'-0" x 1'-0" BASE PLATE, UNO ON PLANS
 - (4) 3/4" DIA ANCHOR RODS W/ 1'-3" MIN EMBEDMENT AND 5/16" PLATE WASHERS
 - 1 1/2" OF NON-SHRINK GROUT, UNO

10 HSS COLUMN - BASE PLATE
1 1/2" = 1'-0"



- DETAIL NOTES:**
- CUT DECK AS REQD AT OPENING. FASTEN DECK TO ANGLES SIMILAR TO TYPICAL SUPPORT FASTENING (WELDS OR SCREWS)
 - MATCH T/JOIST ELEVATION

6 ROOF OPENING - SECTION
1 1/2" = 1'-0"

MARK	DATE	DESCRIPTION
1	04-23-21	big set

- SHEET NOTES:**
- A. REFERENCE SHEET S001 FOR STRUCTURAL GENERAL NOTES. REVIEW NOTES FOR APPLICABILITY.
 - B. SEE ARCHITECTURAL DRAWINGS FOR DETAILS & DIMENSIONS NOT SHOWN.
 - C. REFER TO S030 THROUGH S050 FOR TYPICAL DETAILS.
 - D. TOP OF SLAB ELEV = 86'-0" AND TOP OF FOOTING ELEV = 85'-0" UNO.
 - E. TOP OF TRENCH FOOTING ELEVATION = 85'-0" UNO. THE BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE 3'-0" MIN BELOW GRADE. DEEPEN FOOTINGS AS REQUIRED. GRADE IS GENERALLY 6" BELOW FINISH FLOOR ELEVATION (COORDINATE WITH CIVIL).
 - F. SPREAD FOOTINGS DENOTED ON PLAN BY "F.x.x". REFER TO SCHEDULE ON THIS SHEET FOR SIZE AND REINFORCING.
 - G. PROVIDE BLOCKOUTS IN SLAB FOR COLUMNS PER TYPICAL DETAIL.
 - H. STEEL COLUMNS ARE DENOTED ON PLAN AS "C.x.x". REFER TO SCHEDULE ON THIS SHEET FOR COLUMN SIZE, BASEPLATE TYPE, AND BASEPLATE DIMENSIONS.
 - J. ALL PEMB COLUMN BASES SHALL BE DESIGNED AS PINNED, UNO.

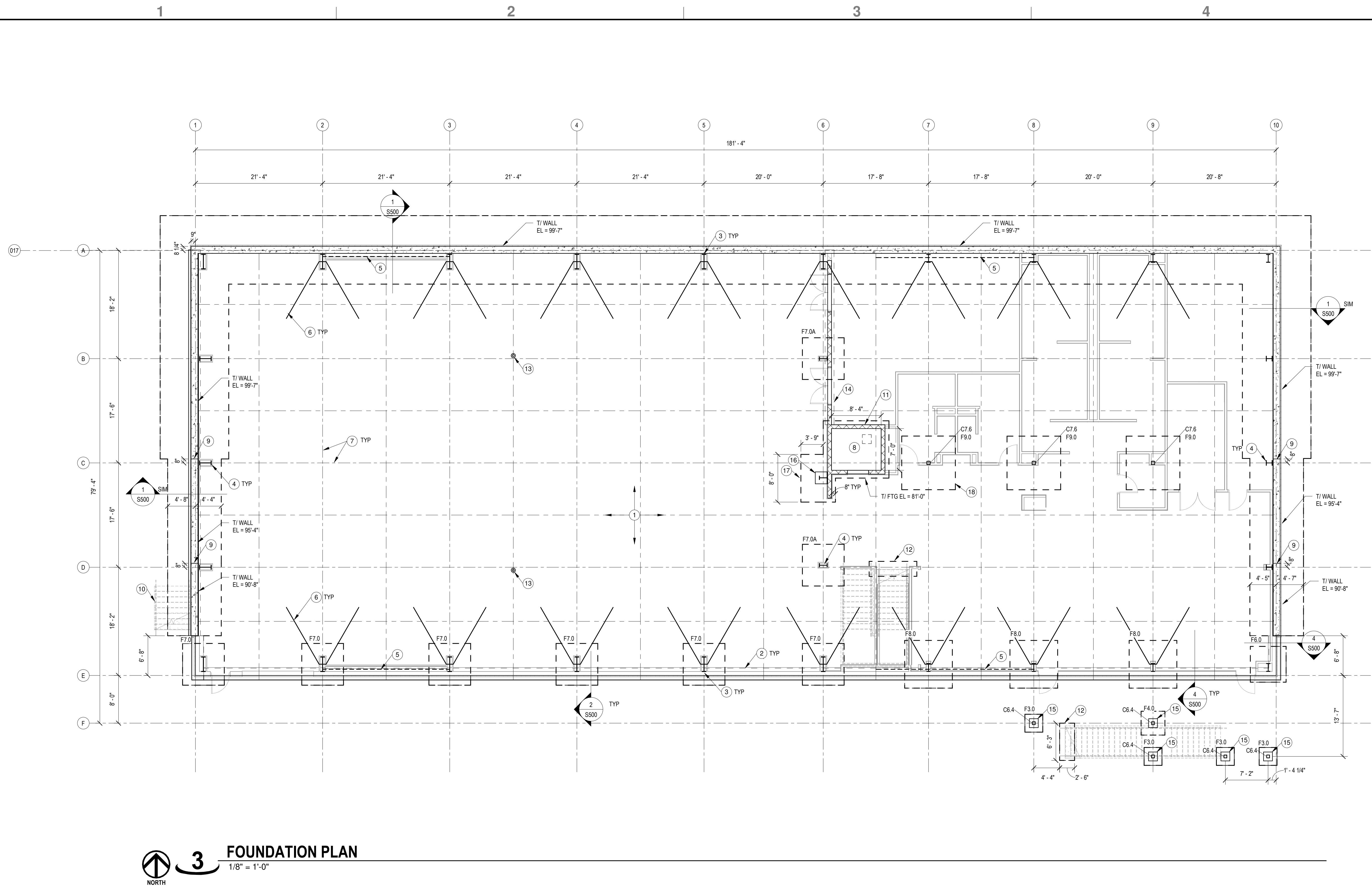
- PLAN NOTES:**
- 1 4" CONCRETE SLAB ON GRADE. RE GENERAL NOTES FOR REINFORCING, GRANULAR FILL, VAPOR BARRIER AND JOINTING REQUIREMENTS
 - 2 18" WIDE x 2'-0" DEEP TRENCH FOOTING. REINF W/ (2) #5 CONT TOP & BOT AND #3 CLOSED TIES @ 24" O.C.
 - 3 PEMB FRAME COLUMN PER PEMB SUPPLIER. 30" MAX DEPTH. DO NOT TAPER OUT MORE THAN 4" AT 6'-8" ABOVE FINISHED FLOOR.
 - 4 PEMB END WALL COLUMN PER PEMB SUPPLIER. 12" MAX DEPTH
 - 5 ROD BRACING PER PEMB SUPPLIER
 - 6 SLAB HAIRPIN, SEE DETAIL 2 THIS SHEET
 - 7 SAWCUT CONTROL JOINT IN SLAB. COORDINATE LOCATIONS IN EXPOSED SLABS W/ ARCH. WHERE NOT SPECIFICALLY CALLED OUT, SEE GENERAL NOTES FOR JOINTING REQUIREMENTS.
 - 8 ELEVATOR PIT, RE: ARCH AND TYP DETAIL
 - 9 FOUNDATION WALL STEP, RE: TYP DETAILS
 - 10 SITE STAIRS, RE: TYP DETAILS
 - 11 8" NOMINAL CMU ELEVATOR SHAFT WALL. RE: ARCH. REINF W/ #4 VERT @ 48" O.C. MAX. RE: GEN NOTES AND TYP DETAILS FOR ADDL REQ. PHASE ENTRY DOOR WALL CONSTRUCTION TO ALLOW FOR ELEVATOR INSTALLATION.
 - 12 THICKENED SLAB AT STAIR BASE, RE: TYP DETAILS
 - 13 VOLLEYBALL NET STANDARD SLEEVE IN SLAB. COORDINATE TYPE AND LOCATIONS WITH ARCH AND EQUIPMENT SUPPLIER
 - 14 18" WIDE X 12" DEEP THICKENED SLAB. REINF W/ (3) #4 BARS CONT BOT AND #4 BARS @ 18" O.C. MAX TRANSVERSE
 - 15 18" SQUARE CONC PEDESTAL ON SPREAD FTG. EXTEND PEDESTAL TO 2' MIN ABOVE GRADE. REINF W/ (4) #4 VERTS AND #3 TIES @ 12" O.C. BOTTOM OF FOOTING AT 3'-0" MIN BELOW GRADE. RE: SCHEDULE AND TYP DETAIL.
 - 16 24" SQUARE CONC PEDESTAL. REINF W/ (8) #4 VERTS AND #3 TIES @ 12" O.C.
 - 17 18" THICK CONC MAT FTG. REINF W/ #6 @ 12" O.C. EACH WAY, BOT.
 - 18 COORDINATE FOOTING DEPTH W/ PIT EXCAVATION; DEEPEN IF NEEDED

Schedule - Structural Column

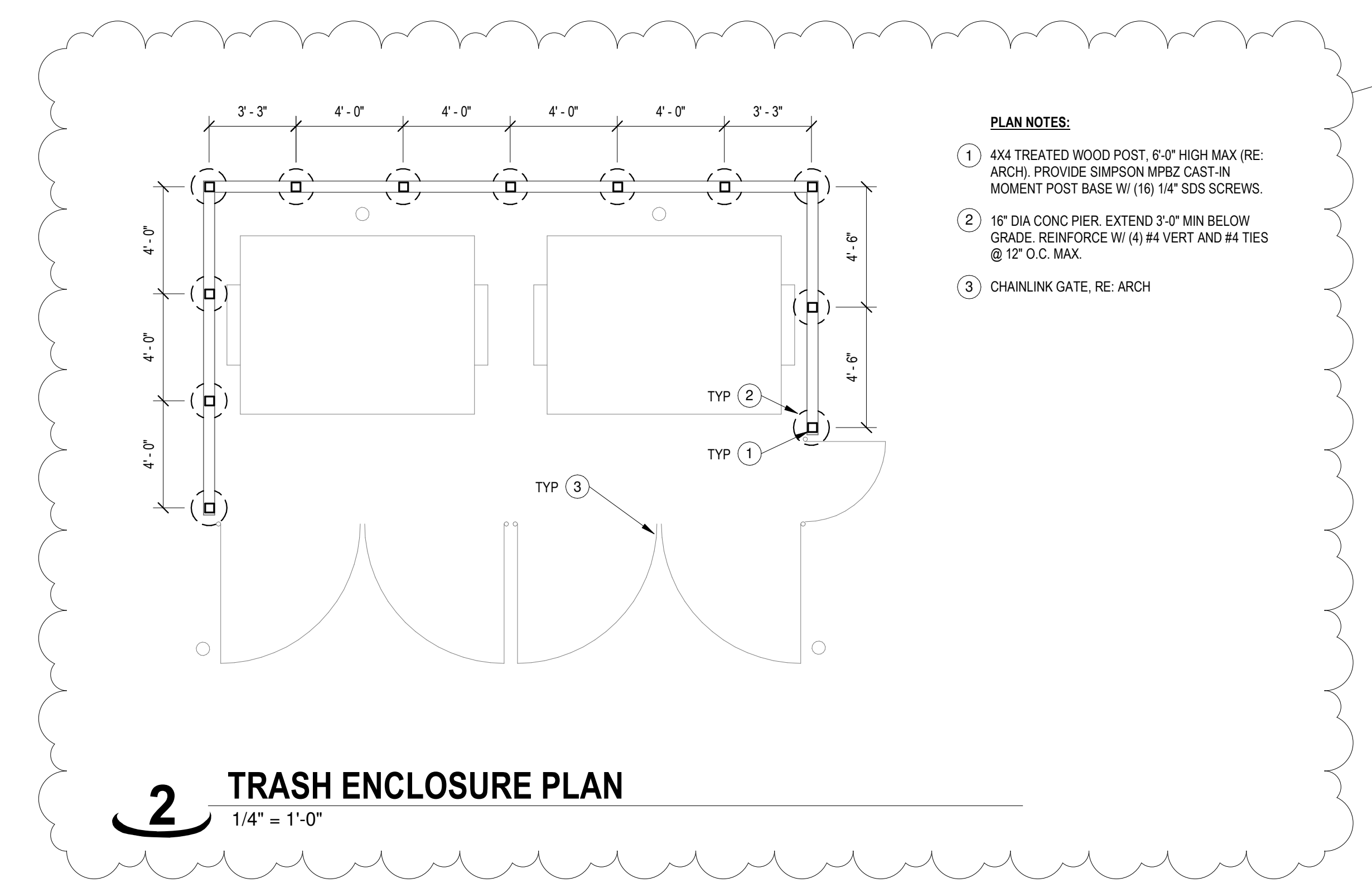
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C5.4	HSS5x5x1/4
C6.4	HSS6x6x1/4
C6.5TD	Pipe6STD
C7.8	HSS7x7x3/8

Schedule - Spread Footing

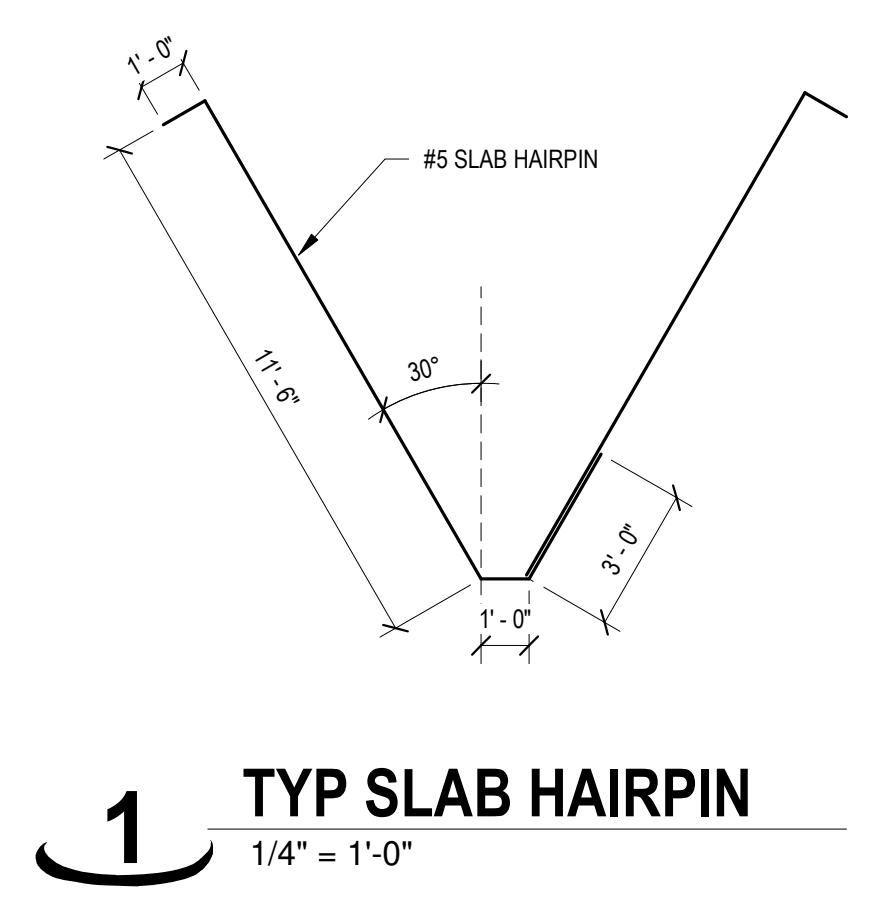
TYPE MARK	LENGTH	WIDTH	THICKNESS	REINF
F3.0	3'-0"	3'-0"	1'-2"	(4) #5 EA WAY, BOT
F4.0	4'-0"	4'-0"	1'-2"	(5) #5 EA WAY, BOT
F5.0	5'-0"	5'-0"	1'-4"	(6) #5 EA WAY, BOT
F6.0	6'-0"	6'-0"	2'-0"	(7) #5 EA WAY, TOP & BOT
F7.0	7'-0"	7'-0"	2'-0"	(8) #5 EA WAY, TOP & BOT
F7.0A	7'-0"	7'-0"	1'-6"	(10) #5 EA WAY, BOT
F8.0	8'-0"	8'-0"	2'-0"	(9) #5 EA WAY, TOP & BOT
F9.0	9'-0"	9'-0"	2'-0"	(10) #5 EA WAY, TOP & BOT



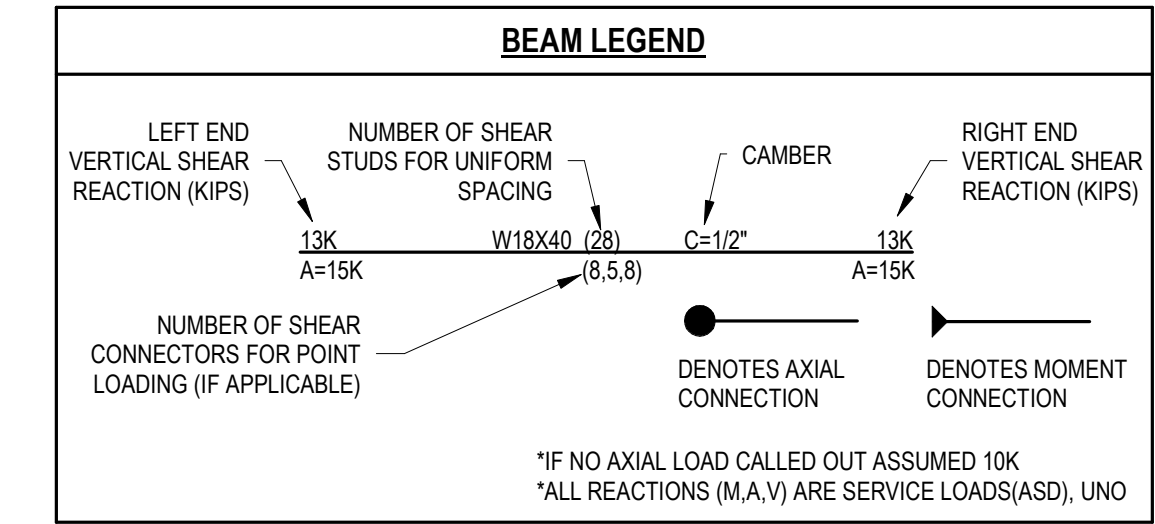
3 FOUNDATION PLAN
 1/8" = 1'-0"



2 TRASH ENCLOSURE PLAN
 1/4" = 1'-0"

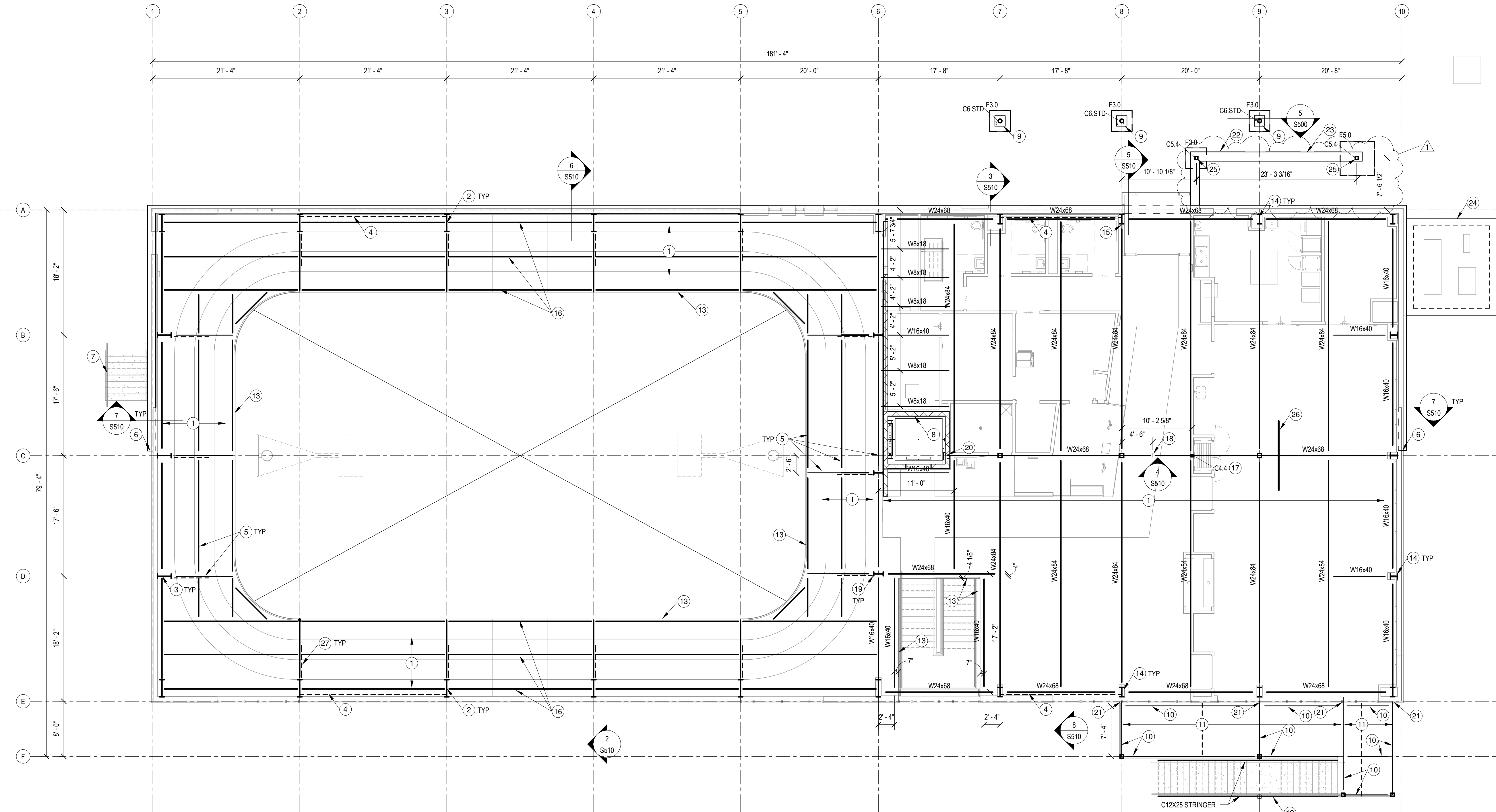


MARK	DATE	DESCRIPTION
1	04-23-21	bid set



- SHEET NOTES:**
- REFERENCE SHEET S001 FOR STRUCTURAL GENERAL NOTES AND SOXX FOR TYPICAL DETAILS. REVIEW NOTES FOR APPLICABILITY.
 - SEE ARCHITECTURAL DRAWINGS FOR DETAILS & DIMENSIONS NOT SHOWN.
 - TOP OF SLAB ELEV = 100'-0" UNO

- PLAN NOTES:**
- 2" COMPOSITE DECK W/ 3" NORMAL WEIGHT CONC TOPPING (6" TOTAL THICKNESS). REINF W/ 6x6-W2.1xW2.1 WWR. RE: GENERAL NOTES FOR FASTENING REQUIREMENTS.
 - PMB FRAME COLUMN PER PEMB SUPPLIER. 30" MAX DEPTH. DO NOT TAPER OUT MORE THAN 4" AT 6'-6" ABOVE FINISHED FLOOR.
 - PMB END WALL COLUMN PER PEMB SUPPLIER.
 - ROD BRACING PER PEMB SUPPLIER.
 - TRACK FRAMING, PER PEMB SUPPLIER. RE: ARCH FOR SLOPE.
 - FOUNDATION WALL STEP. RE: FDN PLAN AND TYP DETAILS
 - SITE STAIRS. RE: TYP DETAILS
 - 8" NOMINAL CMU ELEVATOR SHAFT WALL. RE: ARCH AND FDN PLAN. PHASE ENTRY DOOR WALL CONSTRUCTION TO ALLOW FOR ELEVATOR INSTALLATION.
 - 18" SQUARE CONC PEDESTAL ON SPREAD FOOTING. RE: ARCH FOR HEIGHT ABOVE GRADE. FTG EXTENDS 3'-0" MIN BELOW GRADE. REINF W/ (4) #4 VERTS AND #3 TIES @ 12" O.C. RE: SCHEDULES ON S100
 - PRIMARY STEEL FRAMING PER PEMB SUPPLIER
 - SECONDARY STEEL FRAMING PER PEMB SUPPLIER @ 16" O.C. MAX SUPPORTING COMPOSITE DECKING (RE: ARCH)
 - CUSTOM CONCRETE-FILLED STEEL PAN STAIR BY STAIR SUPPLIER. RE: ARCH. PROVIDE KINKED STRINGERS AS SHOWN WITH FULLY WELDED JOINTS. DESIGN SUPPORTING BEAM FOR 1250 LBS LL AND 500 LBS DL REACTIONS AT TOP END OF STRINGERS
 - PROVIDE 5/16" BENT PLATE FOUR STOP FOR WELDED ATTACHMENT OF GUARDRAIL AT PERIMETER OF TRACK
 - STRAIGHT COLUMN BY PEMB SUPPLIER
 - COLUMN FLANGE WIDTH LIMITED TO 6" AT THIS LOCATION
 - KINKED BEAMS FOR SLOPED TRACK TRANSITION. RE: ARCH
 - COLUMN SUPPORTING OPERABLE PARTITION BEAM. SEE SCHEDULE ON S100
 - PROPOSED SPLICE LOCATION
 - MEZZANINE AND TRACK SUPPORT COLUMN BY PEMB SUPPLIER
 - RE: DETAIL 1 / S040
 - DETAIL CONNECTION TO MINIMIZE THERMAL BRIDGING
 - WING WALL. RE: ARCH
 - 16" WIDE CONC STEM WALL CENTERED UNDER WING WALL. (RE: ARCH). TOC EL = 100'-0". EXTEND TO 3'-0" MIN BELOW GRADE. REINFORCE W/ #4 BARS @ 18" O.C. MAX EA WAY, BOTH FACES
 - 6" THICK CONC EQUIPMENT PAD W/ 12" X 12" THICKENED EDGE. REINF W/ #4 @ 12" O.C. EA WAY AND (2) #4 CONT AROUND PERIMETER (BOT)
 - PROVIDE 3/4" THICK X 9" SQUARE BASE PLATE ON 1 1/2" GROUT AND 3/4" DIA ANCHOR RODS (PER TYP DETAILS). REINF WALL BENEATH COLUMN W/ (4) #4 CLOSED TIES @ 3" O.C. AT TOP, THEN @ 12" O.C. MAX TO FTG.
 - #5 @ 10'-0" @ 12" O.C. CENTERED OVER GIRDER
 - TRACK SUPPORT KICKER BY PEMB SUPPLIER. RE: DETAIL 2 / S510



1 MAIN LEVEL FRAMING PLAN
1/8" = 1'-0"



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1	04-23-21	bid set

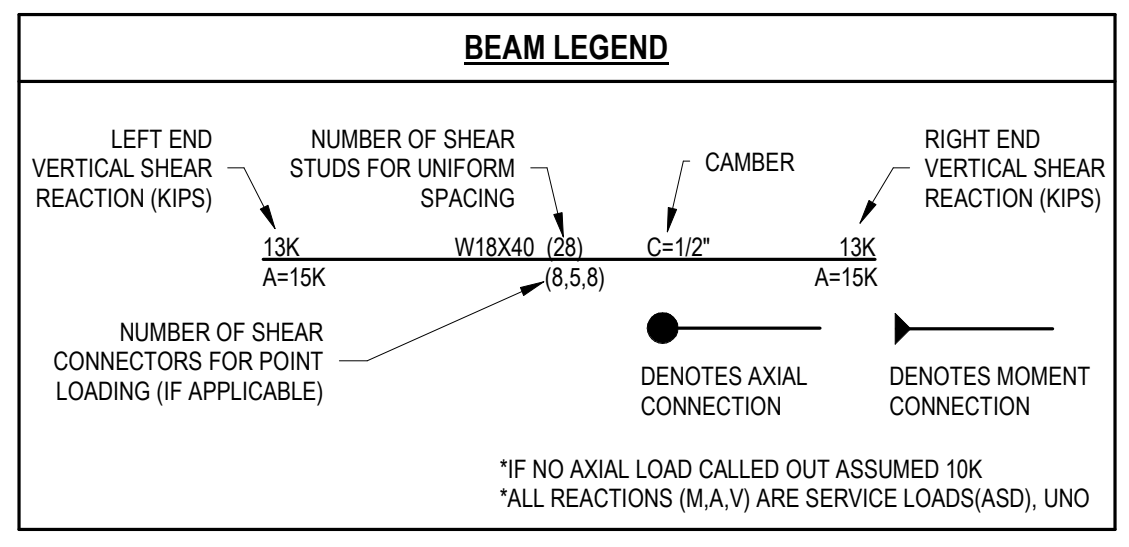
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SHEET NOTES:

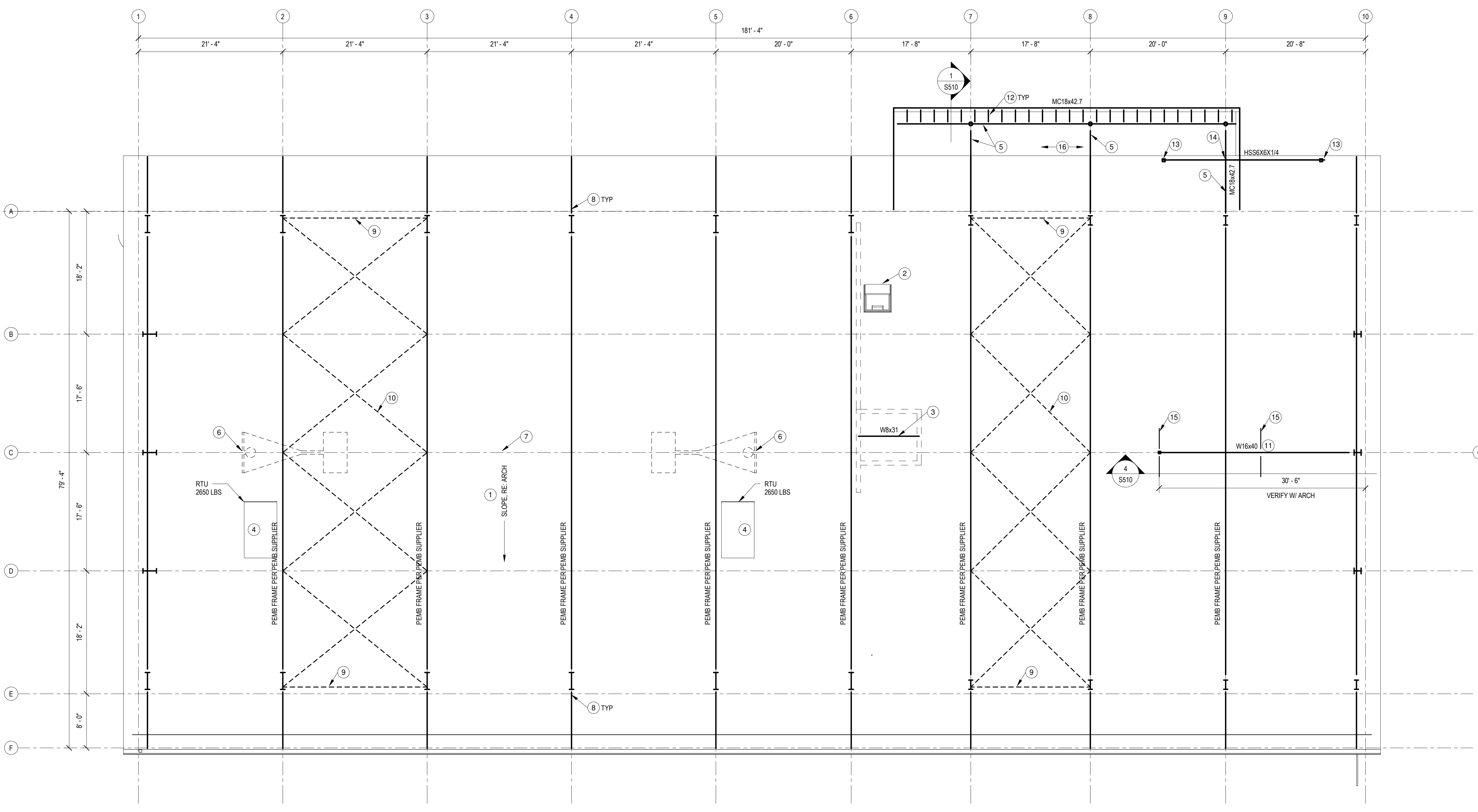
A. REFERENCE SHEET S00x FOR STRUCTURAL GENERAL NOTES. REVIEW NOTES FOR APPLICABILITY.

B. SEE ARCHITECTURAL DRAWING FOR DETAILS & DIMENSIONS NOT SHOWN.

C. REFER TO S00x FOR TYPICAL FRAMING DETAILS.

D. PEMB DESIGN SHALL ACCOUNT FOR WEIGHT OF SUSPENDED FAN COOL UNITS. COORDINATE W/ MECH.

- PLAN NOTES:**
- STANDING SEAM METAL ROOF SYSTEM BY PEMB SUPPLIER. RE: ARCH
 - ROOF HATCH, RE: ARCH
 - ELEVATOR HOIST BEAM. COORD ELEVATION & LOCATION W/ ELEVATOR SUPPLIER. PROVIDE BEAM POCKET IN CMU FOR BEARING (4" MIN)
 - ROOFTOP MECHANICAL EQUIPMENT. RE: MEP. DESIGN STRUCTURE FOR WEIGHT OF UNIT AND CURB. WEIGHTS AND LOCATIONS SHOWN ON STRUCTURAL DRAWINGS ARE FOR INFORMATION ONLY. COORDINATE ACTUAL WEIGHTS AND SIZES WITH MEP AND MECHANICAL SHOP DRAWINGS. RTU SCREENS, WHERE REQUIRED PER ARCH, ARE CURB-SUPPORTED.
 - PRIMARY STEEL FRAMING BY PEMB SUPPLIER
 - COORD ADD'L FRAMING BY PEMB SUPPLIER TO SUPPORT BASKETBALL GOALS. RE: ARCH AND EQUIPMENT SUPPLIER FOR LOCATION AND DESIGN CRITERIA.
 - COORD ADD'L FRAMING BY PEMB SUPPLIER TO SUPPORT CEILING FAN. RE: ARCH AND EQUIPMENT SUPPLIER FOR LOCATION AND DESIGN CRITERIA.
 - PROVIDED BOLTED END-PLATE MOMENT CONNECTION FOR CANTILEVERED OUTRIGGER BEAMS SUPPORTING ROOF OVERHANG
 - ROD BRACING BELOW PER PEMB SUPPLIER
 - ROD DIAPHRAGM BRACING PER PEMB SUPPLIER
 - BEAM BY PEMB SUPPLIER SUPPORTING OPERABLE PARTITION BELOW. MAX SERVICE LEVEL REACTION = 4500 LBS AT EACH END
 - SECONDARY STEEL FRAMING BY PEMB SUPPLIER
 - PROVIDE 1/4" FILLET WELD ALL AROUND COLUMN TO BOTTOM SIDE OF HSS BEAM
 - PROVIDE LATERAL CONNECTION TO STEEL BEAM ABOVE THAT ALLOWS FOR 1" MIN VERTICAL SLIP
 - BRACE TOP FLANGE OF BEAM TO PEMB STRUCTURE ABOVE USING L3X3X1/4 @ 45 DEG ANGLE W/ HORIZONTAL (MAX)
 - EPDM ROOFING AT LOWER ENTRY ROOF. RE: ARCH

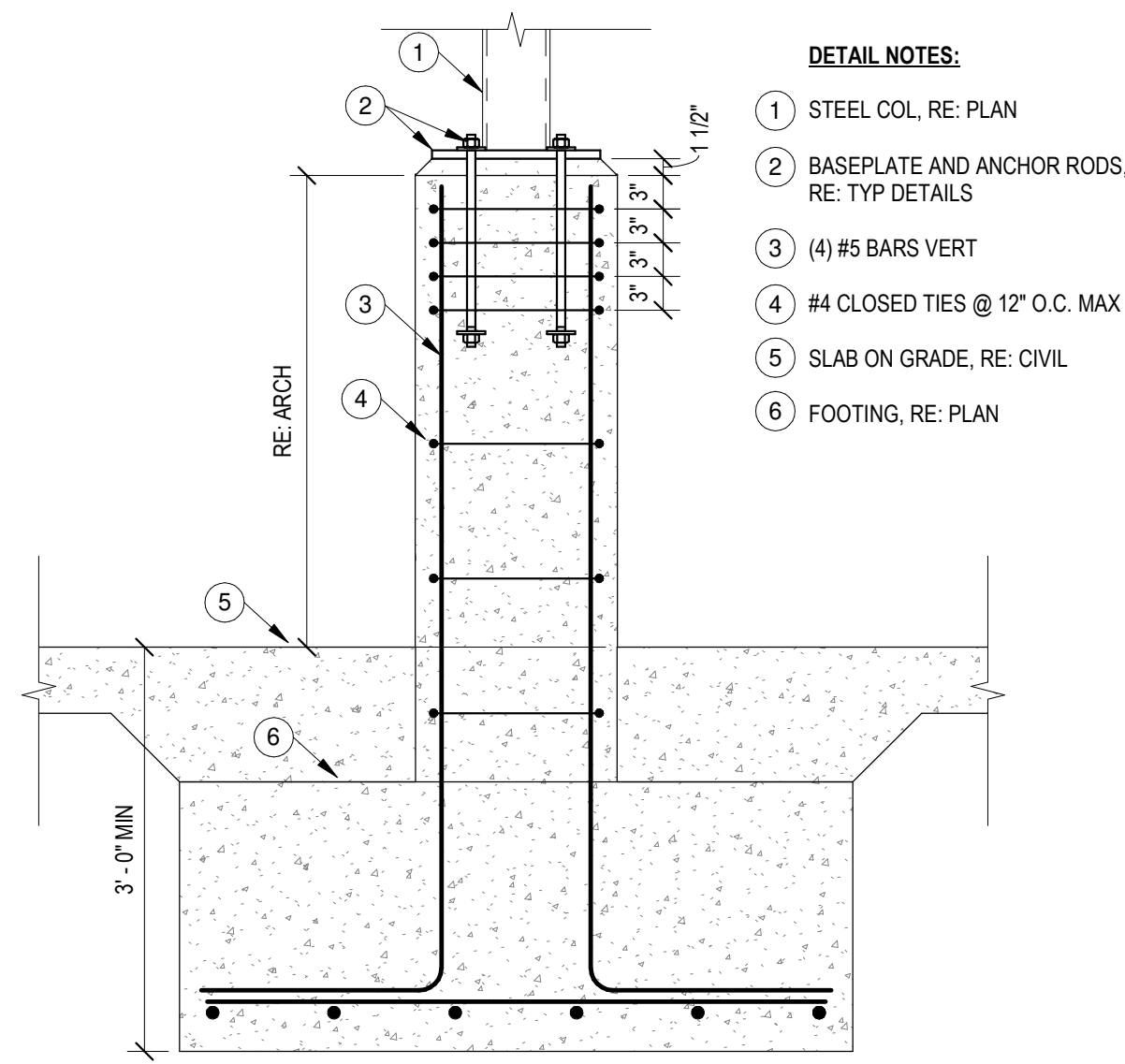


1 ROOF FRAMING PLAN
1/8" = 1'-0"

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1	04-23-21	bid set

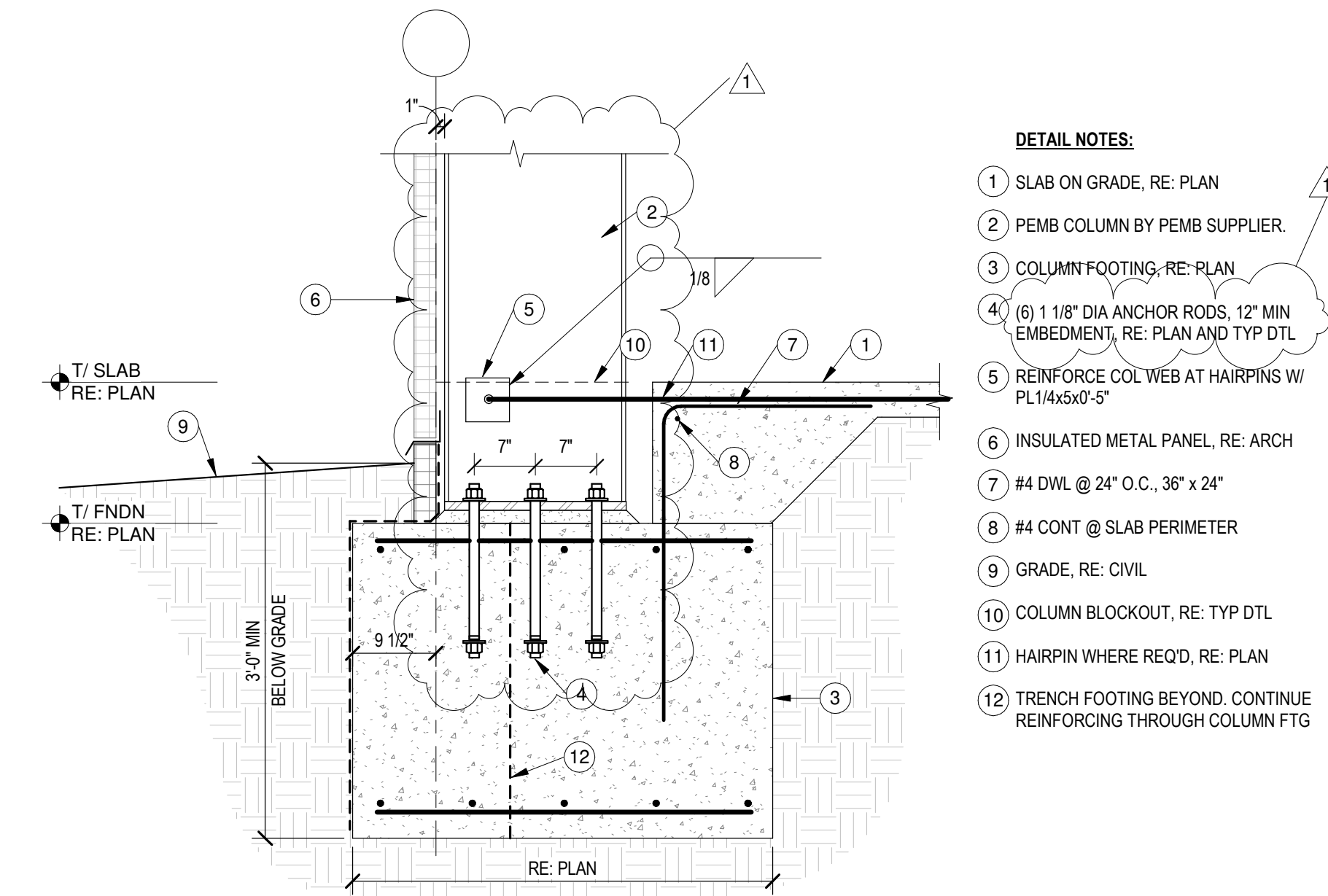
© 2014, 4/20/2021 1:32:49 PM C:\Users\swanson\Documents\Autodesk\Revit\User Files\191144_Camdenton_Community_Center\S19_swanson\LN05.rvt S19_swanson\LN05.rvt

SHEET NOTES:
 A. REFERENCE SHEET S00x FOR STRUCTURAL GENERAL NOTES. REVIEW NOTES & DETAILS FOR APPLICABILITY.
 B. SEE ARCHITECTURAL DRAWING FOR DETAILS & DIMENSIONS NOT SHOWN.
 C. REFER TO S00x FOR TYPICAL FRAMING DETAILS.



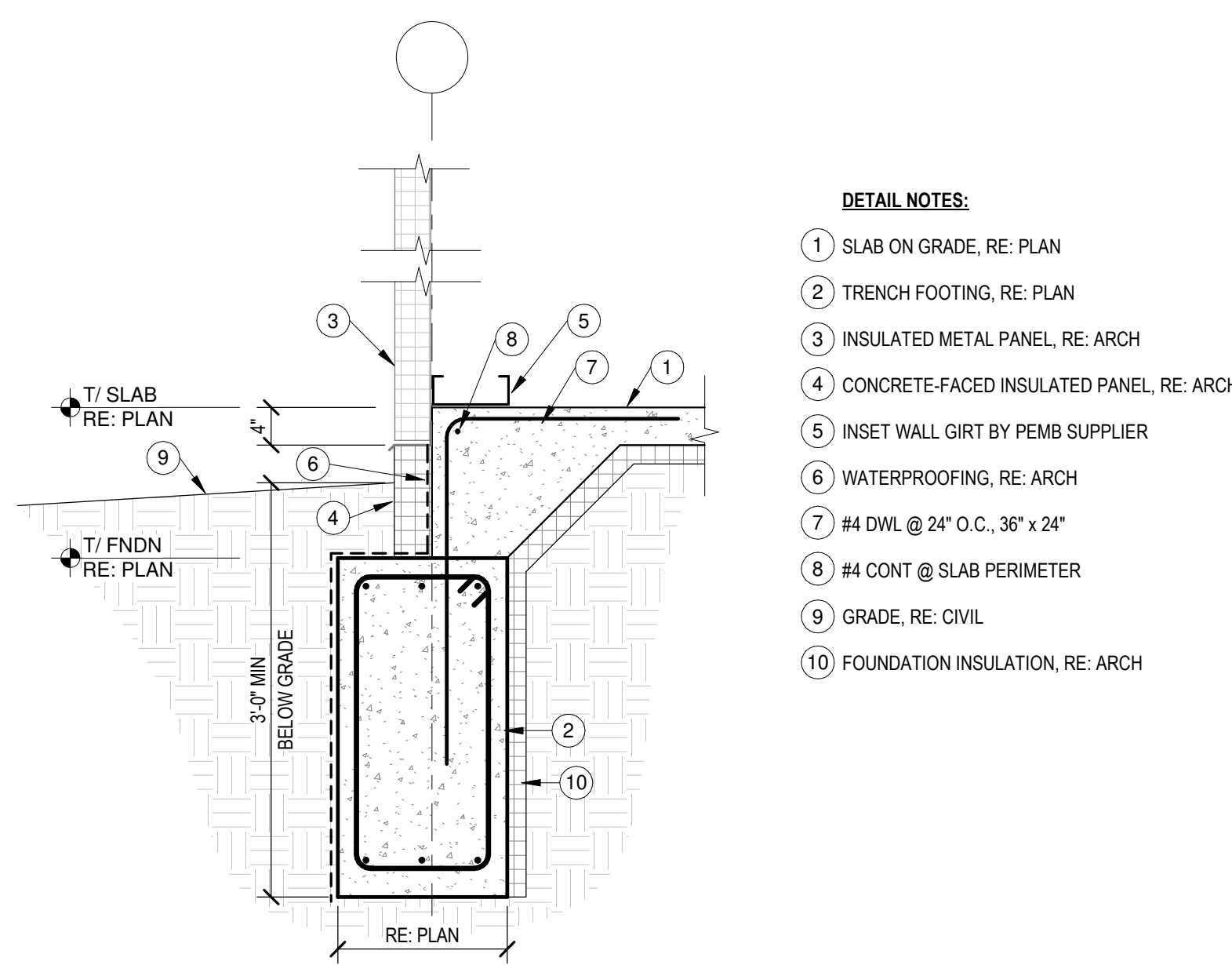
- DETAIL NOTES:**
- 1 STEEL COL, RE: PLAN
 - 2 BASEPLATE AND ANCHOR RODS, RE: TYP DETAILS
 - 3 (4) #5 BARS VERT
 - 4 #4 CLOSED TIES @ 12" O.C. MAX
 - 5 SLAB ON GRADE, RE: CIVIL
 - 6 FOOTING, RE: PLAN

5 TYP FTG W/ PEDESTAL
 3/4" = 1'-0"



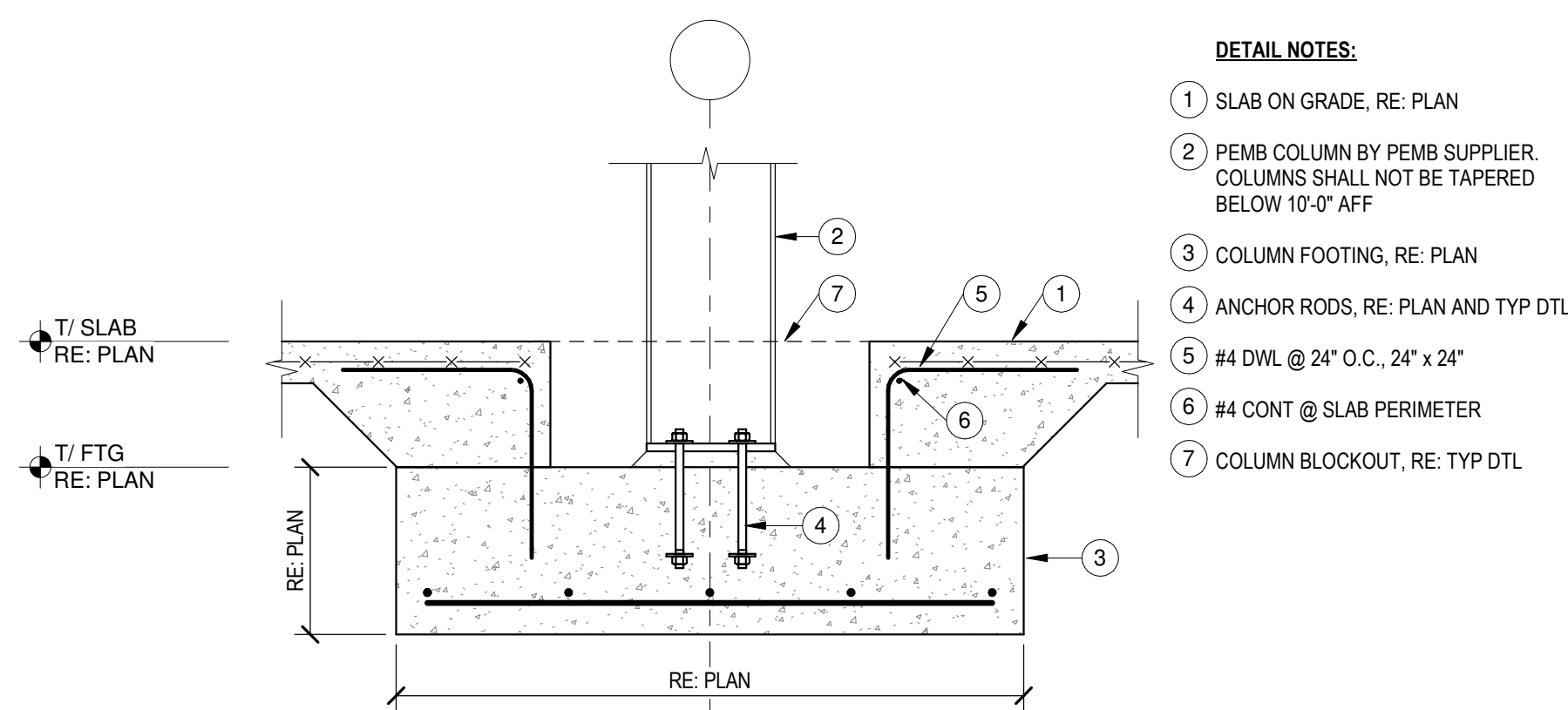
- DETAIL NOTES:**
- 1 SLAB ON GRADE, RE: PLAN
 - 2 PEMB COLUMN BY PEMB SUPPLIER
 - 3 COLUMN FOOTING, RE: PLAN
 - 4 (6) 1 1/8" DIA ANCHOR RODS, 12" MIN EMBEDMENT, RE: PLAN AND TYP DTL
 - 5 REINFORCE COL WEB AT HAIRPINS W/ PL14x5x7'-5"
 - 6 INSULATED METAL PANEL, RE: ARCH
 - 7 #4 DWL @ 24" O.C., 36" x 24"
 - 8 #4 CONT @ SLAB PERIMETER
 - 9 GRADE, RE: CIVIL
 - 10 COLUMN BLOCKOUT, RE: TYP DTL
 - 11 HAIRPIN WHERE RECD, RE: PLAN
 - 12 TRENCH FOOTING BEYOND, CONTINUE REINFORCING THROUGH COLUMN FTG

2 TYP PERIMETER COLUMN FOOTING
 3/4" = 1'-0"



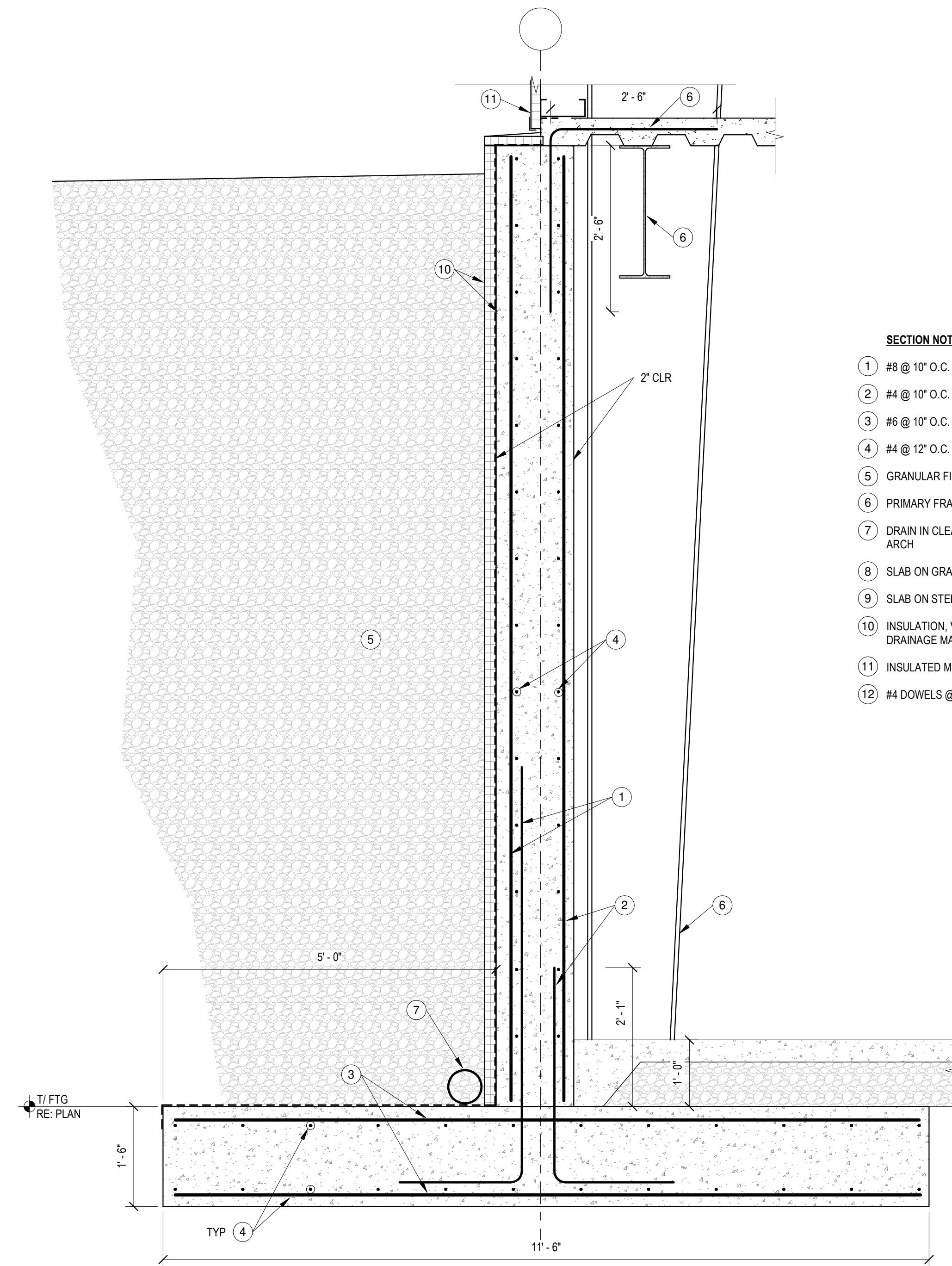
- DETAIL NOTES:**
- 1 SLAB ON GRADE, RE: PLAN
 - 2 TRENCH FOOTING, RE: PLAN
 - 3 INSULATED METAL PANEL, RE: ARCH
 - 4 CONCRETE-FACED INSULATED PANEL, RE: ARCH
 - 5 INSET WALL GIRT BY PEMB SUPPLIER
 - 6 WATERPROOFING, RE: ARCH
 - 7 #4 DWL @ 24" O.C., 36" x 24"
 - 8 #4 CONT @ SLAB PERIMETER
 - 9 GRADE, RE: CIVIL
 - 10 FOUNDATION INSULATION, RE: ARCH

4 TYP PERIMETER TRENCH FOOTING
 3/4" = 1'-0"



- DETAIL NOTES:**
- 1 SLAB ON GRADE, RE: PLAN
 - 2 PEMB COLUMN BY PEMB SUPPLIER. COLUMNS SHALL NOT BE TAPERED BELOW 10'-0" AFF
 - 3 COLUMN FOOTING, RE: PLAN
 - 4 ANCHOR RODS, RE: PLAN AND TYP DTL
 - 5 #4 DWL @ 24" O.C., 24" x 24"
 - 6 #4 CONT @ SLAB PERIMETER
 - 7 COLUMN BLOCKOUT, RE: TYP DTL

3 TYP INTERIOR COLUMN FTG
 3/4" = 1'-0"



- SECTION NOTES:**
- 1 #8 @ 10" O.C. VERT. (BURIED) FACE
 - 2 #4 @ 10" O.C. VERT. (INTERIOR) FACE
 - 3 #6 @ 10" O.C. TOP & BOT
 - 4 #4 @ 12" O.C. HORIZ. EACH FACE
 - 5 GRANULAR FILL
 - 6 PRIMARY FRAMING BY PEMB SUPPLIER
 - 7 DRAIN IN CLEAN GRANULAR FILL, RE: ARCH
 - 8 SLAB ON GRADE, RE: PLAN
 - 9 SLAB ON STEEL DECK, RE: PLAN
 - 10 INSULATION, VAPOR BARRIER AND DRAINAGE MAT, RE: ARCH
 - 11 INSULATED METAL PANEL, RE: ARCH
 - 12 #4 DOWELS @ 20" O.C.

1 RETAINING WALL
 3/4" = 1'-0"

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1	04-23-21	bid set

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 ISSUED FOR: 100% CDG
 ISSUE DATE: 04/23/21
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 FOUNDATION DETAILS

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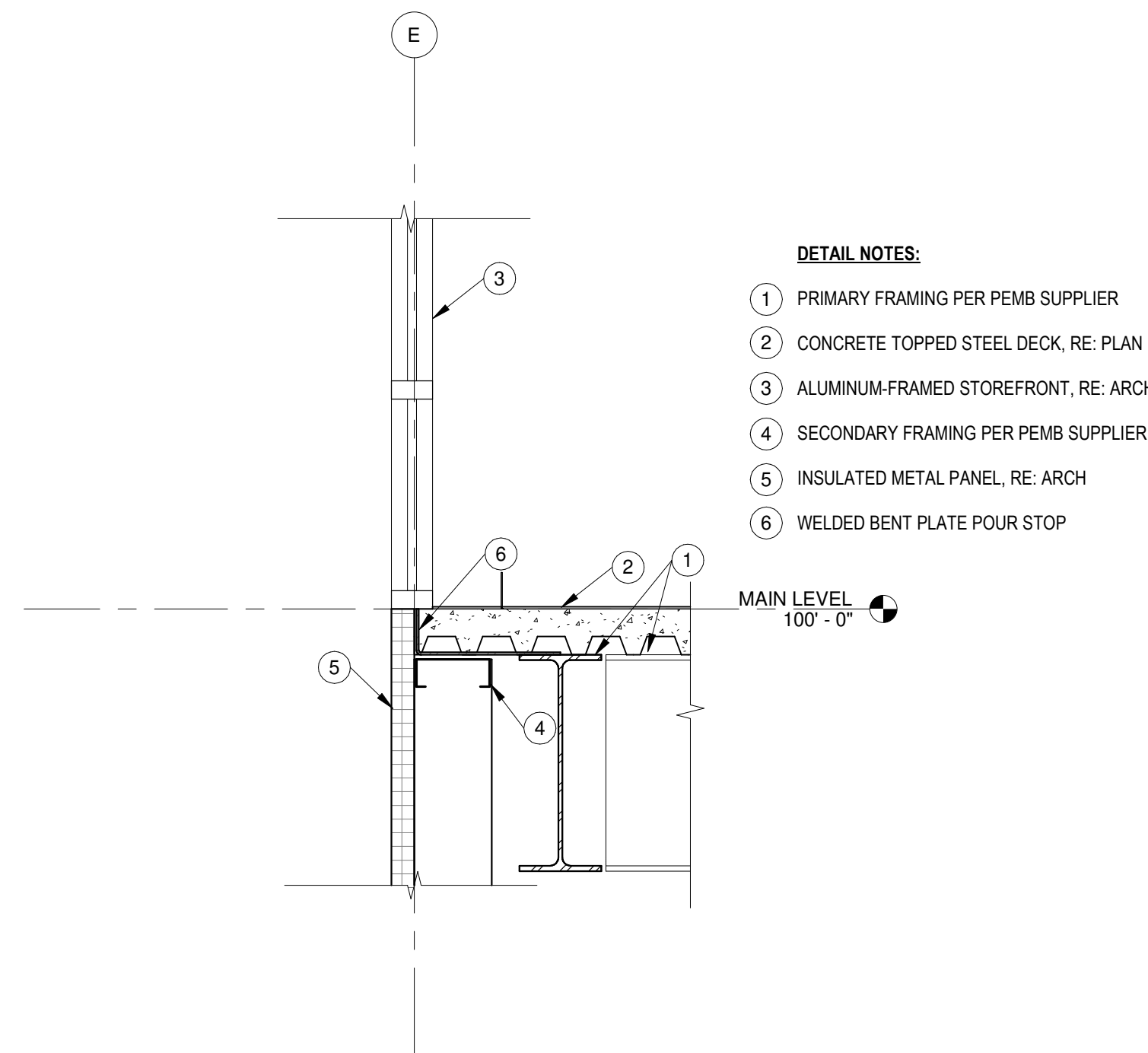
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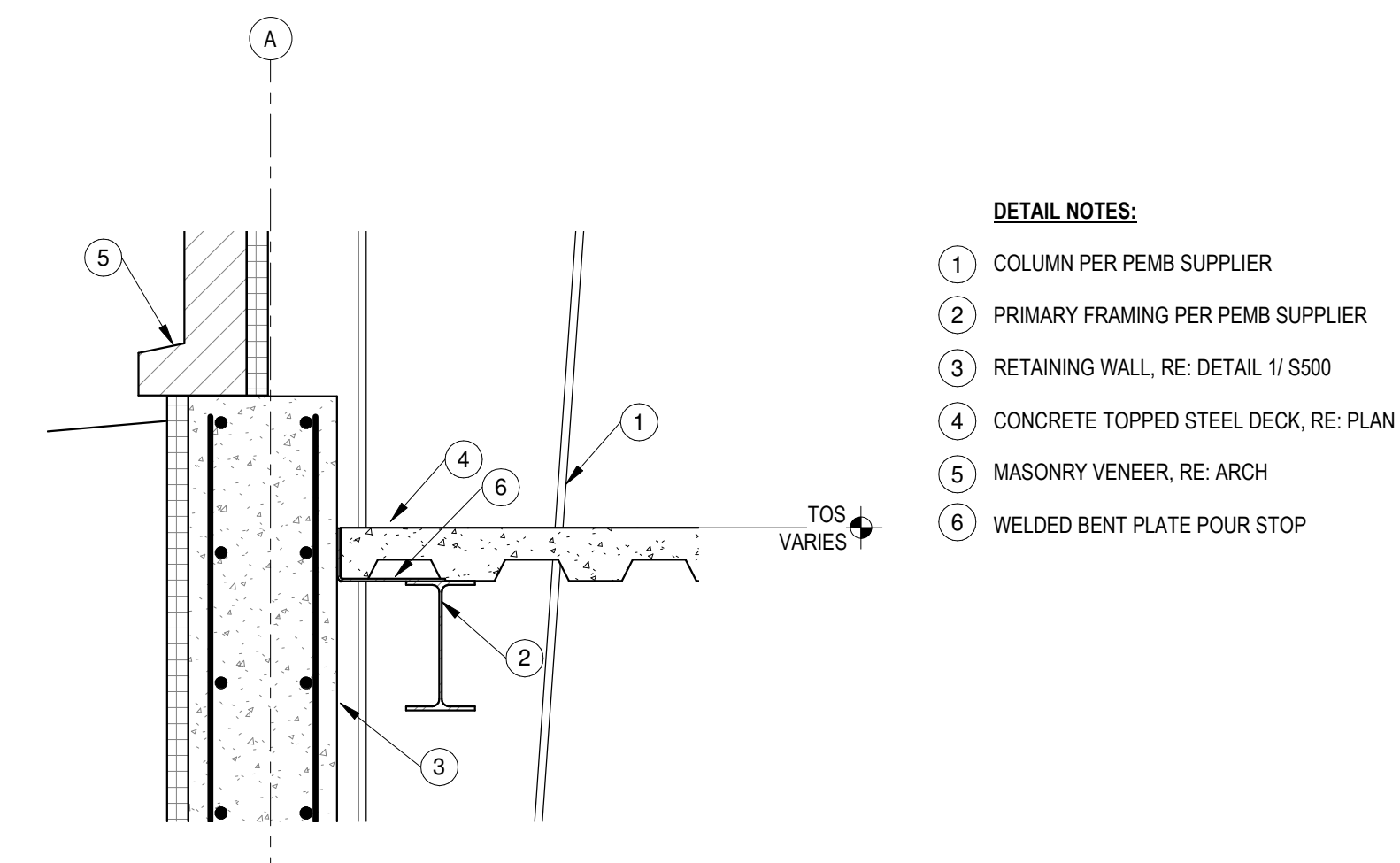
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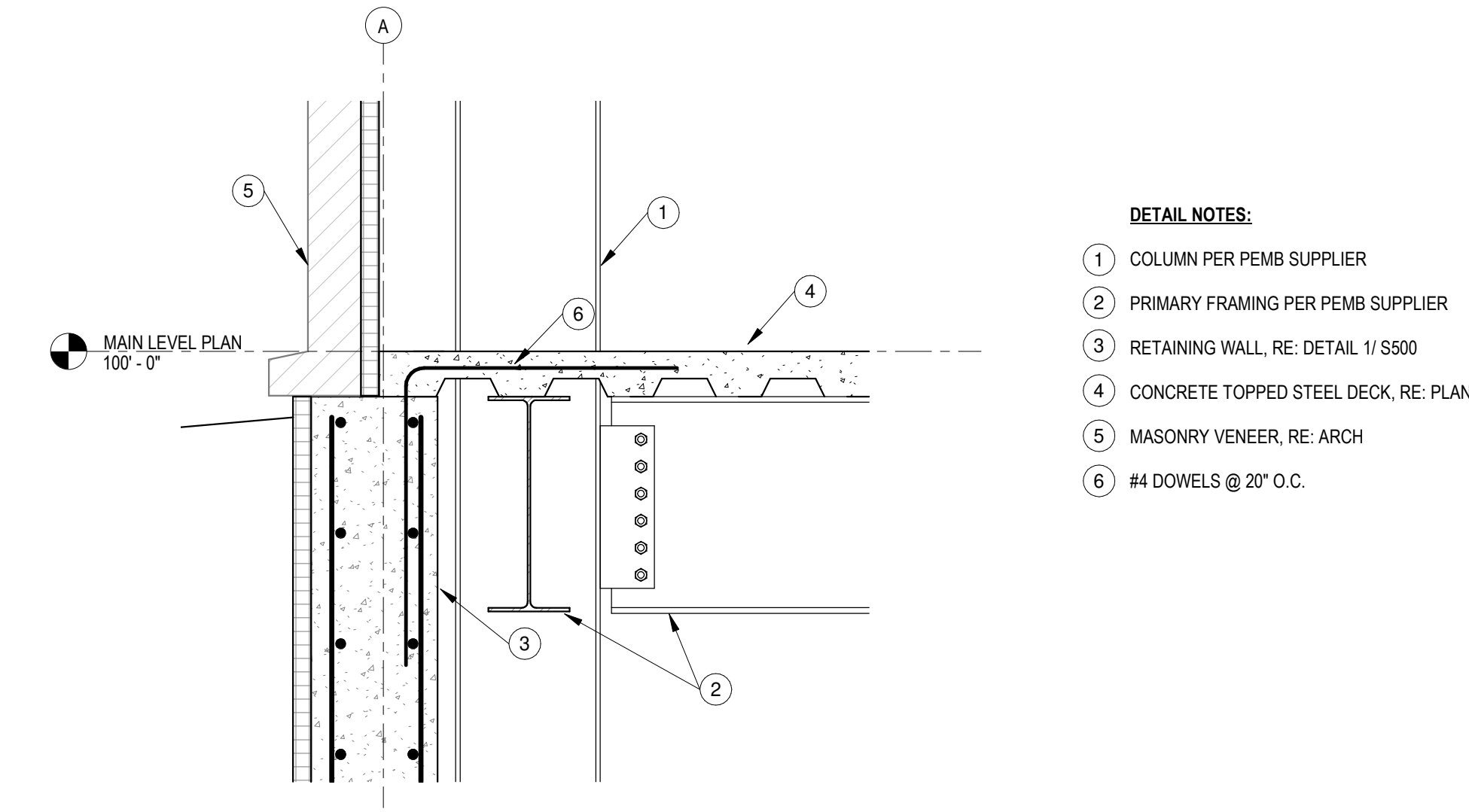
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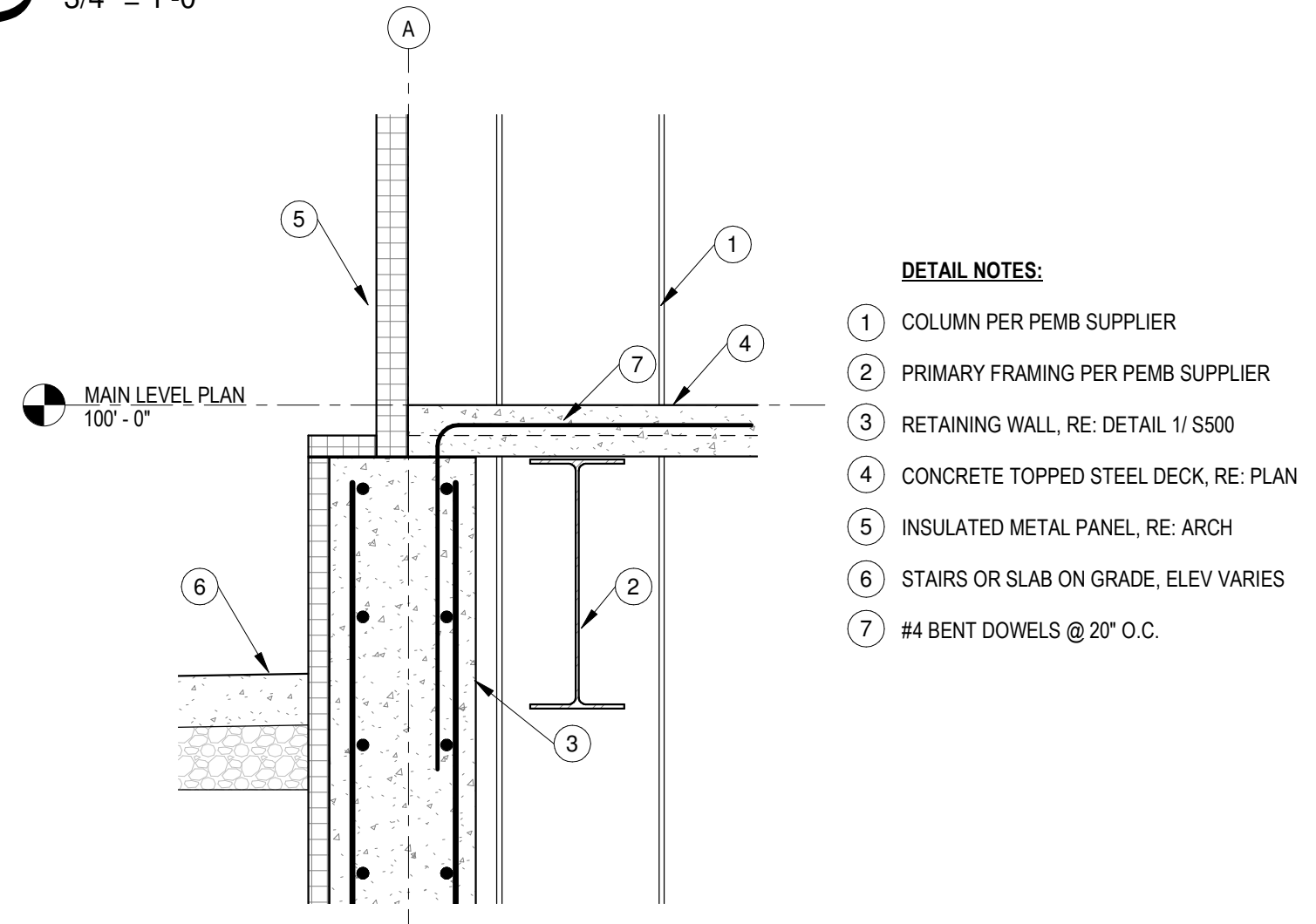
8 EXTERIOR SECTION AT MEZZANINE
3/4" = 1'-0"



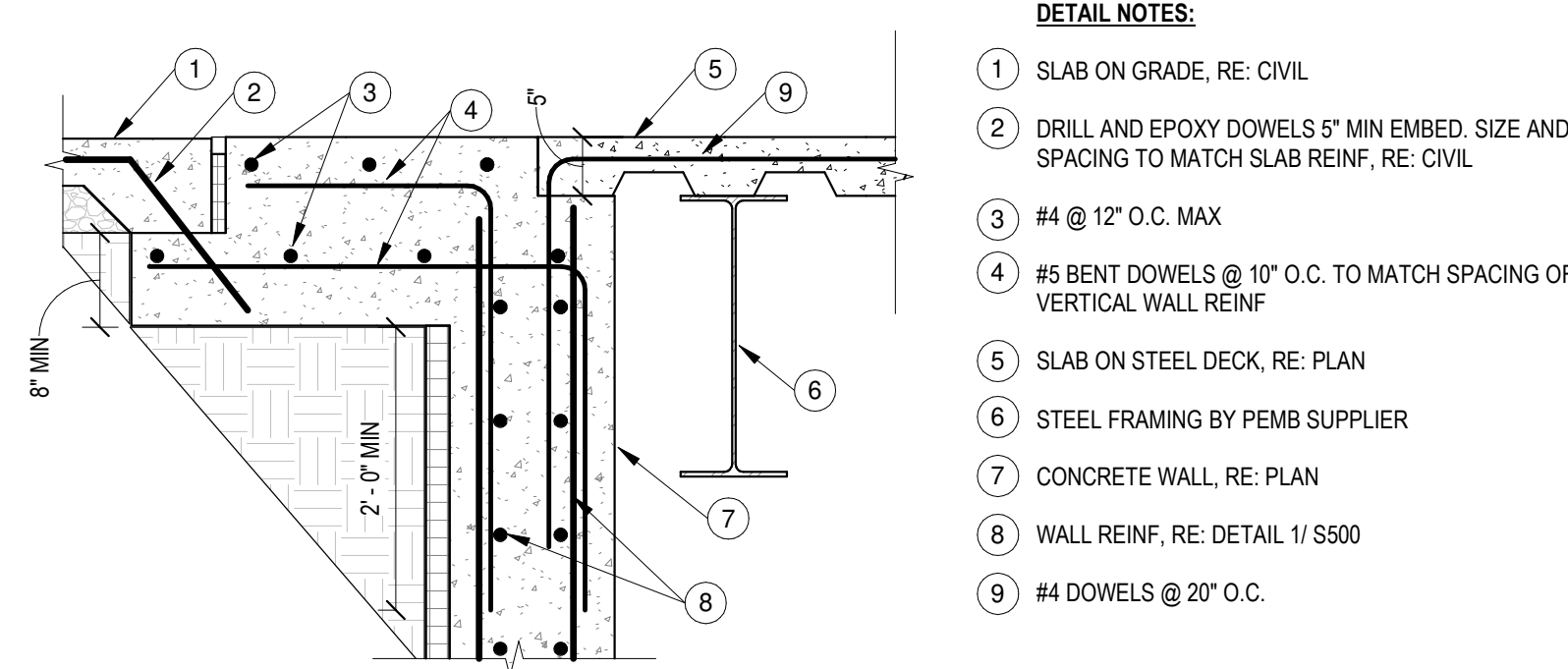
6 TOP OF WALL AT TRACK
3/4" = 1'-0"



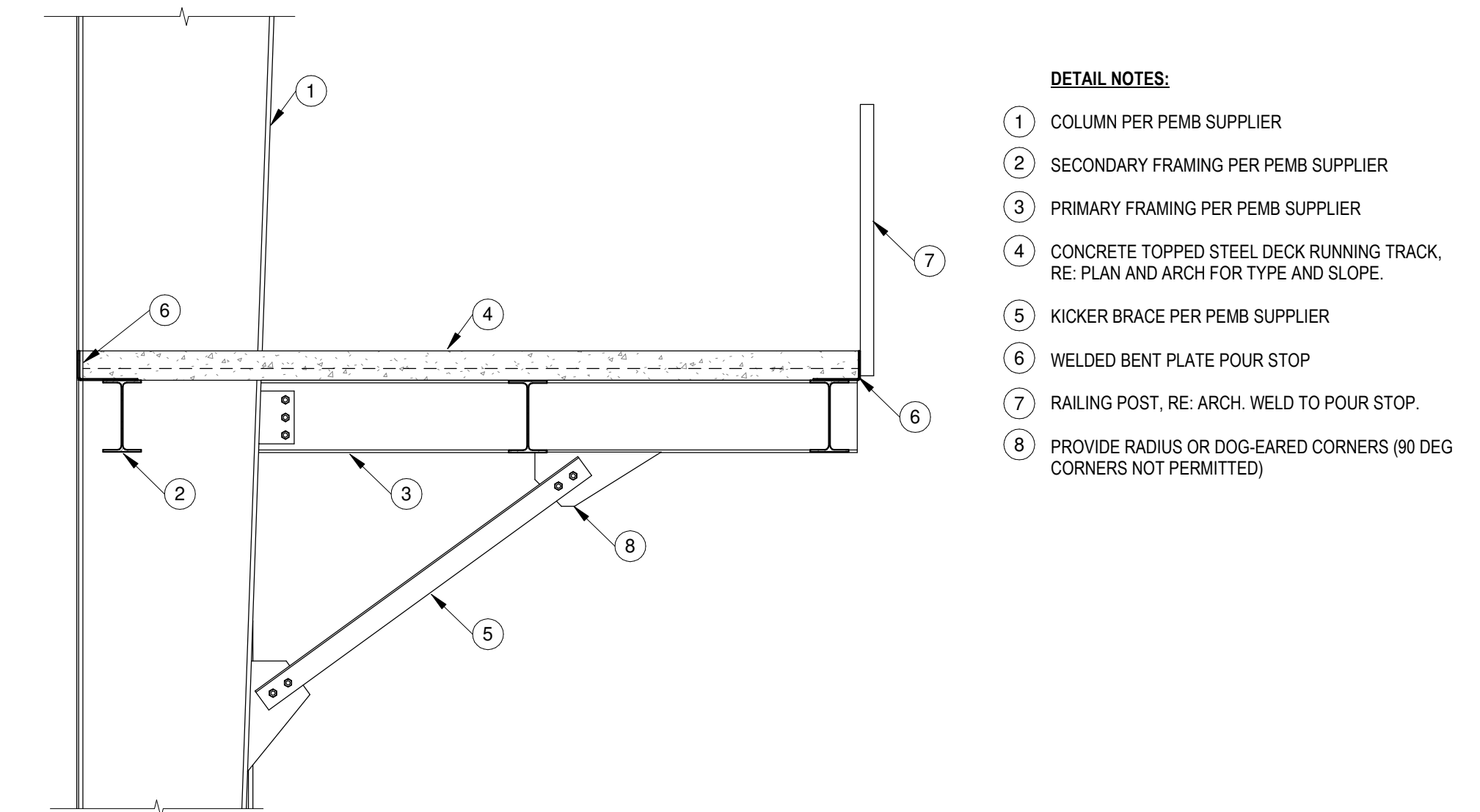
3 TOP OF WALL AT SLAB
3/4" = 1'-0"



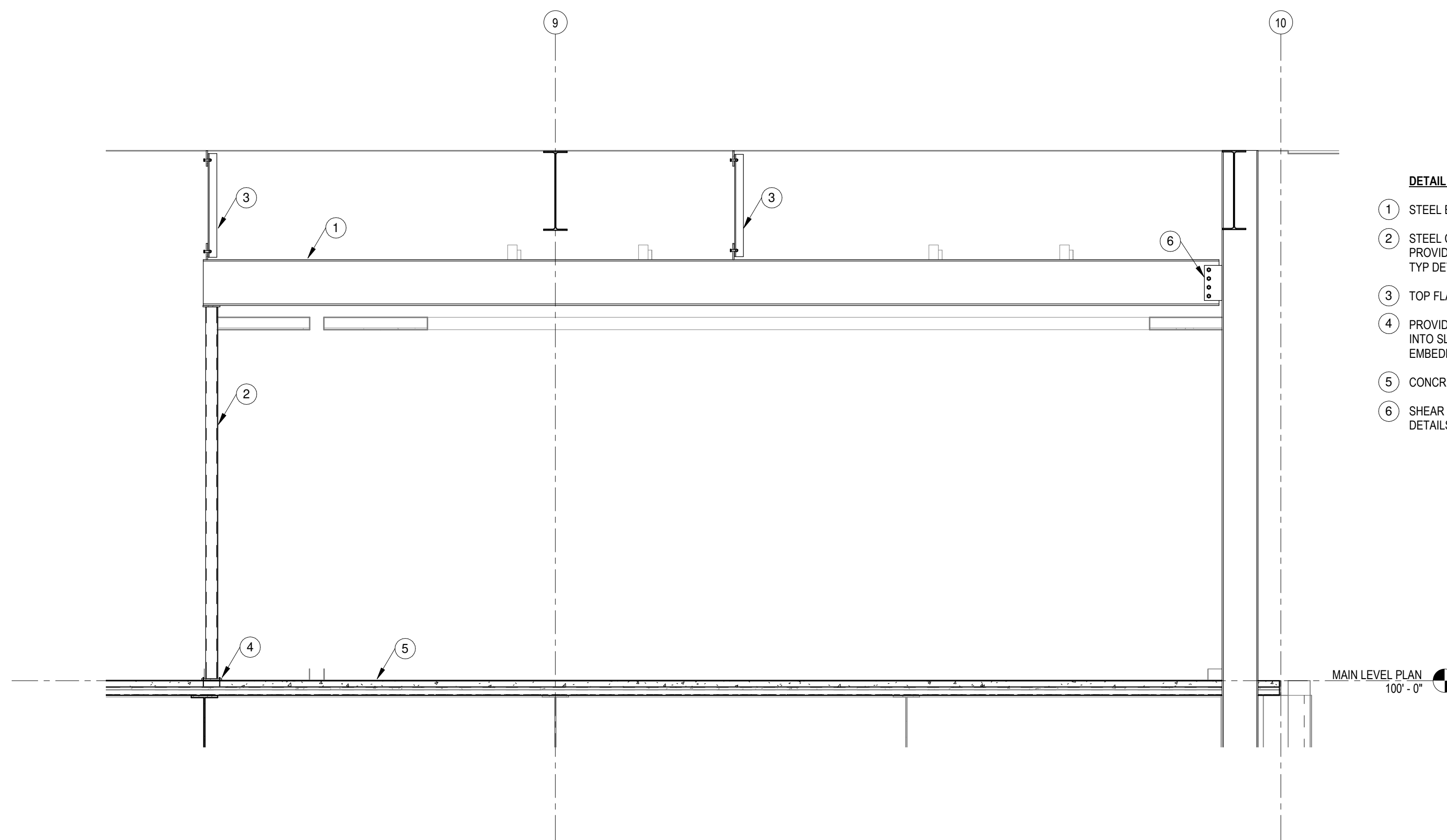
7 EXTERIOR SECTION AT TOP OF WALL
3/4" = 1'-0"



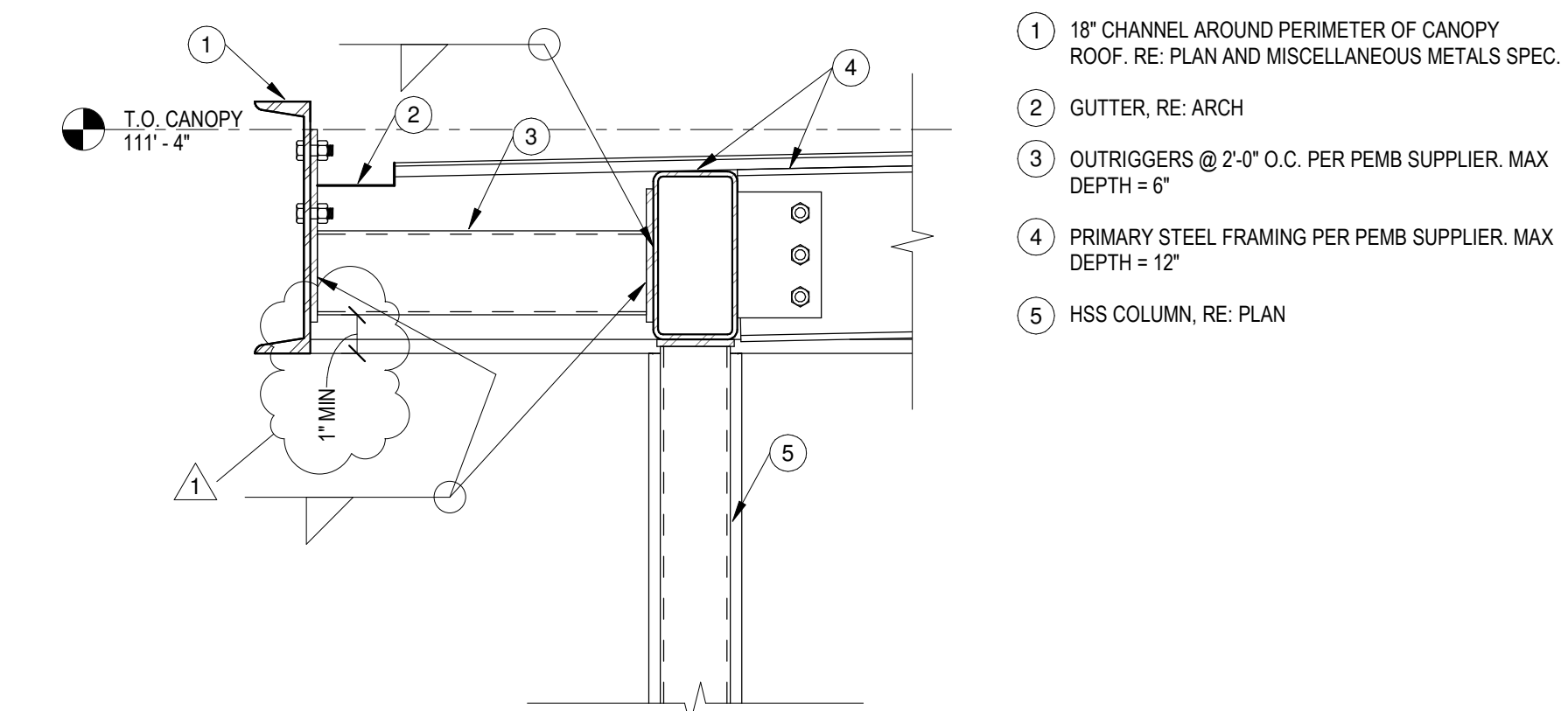
5 TOP OF WALL AT ENTRY
3/4" = 1'-0"



2 TRACK FRAMING
1/2" = 1'-0"



4 SECTION AT OPERABLE PARTITION
3/8" = 1'-0"



1 FRONT CANOPY SECTION
1" = 1'-0"

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1	04-23-21	big set

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FRAMING DETAILS	

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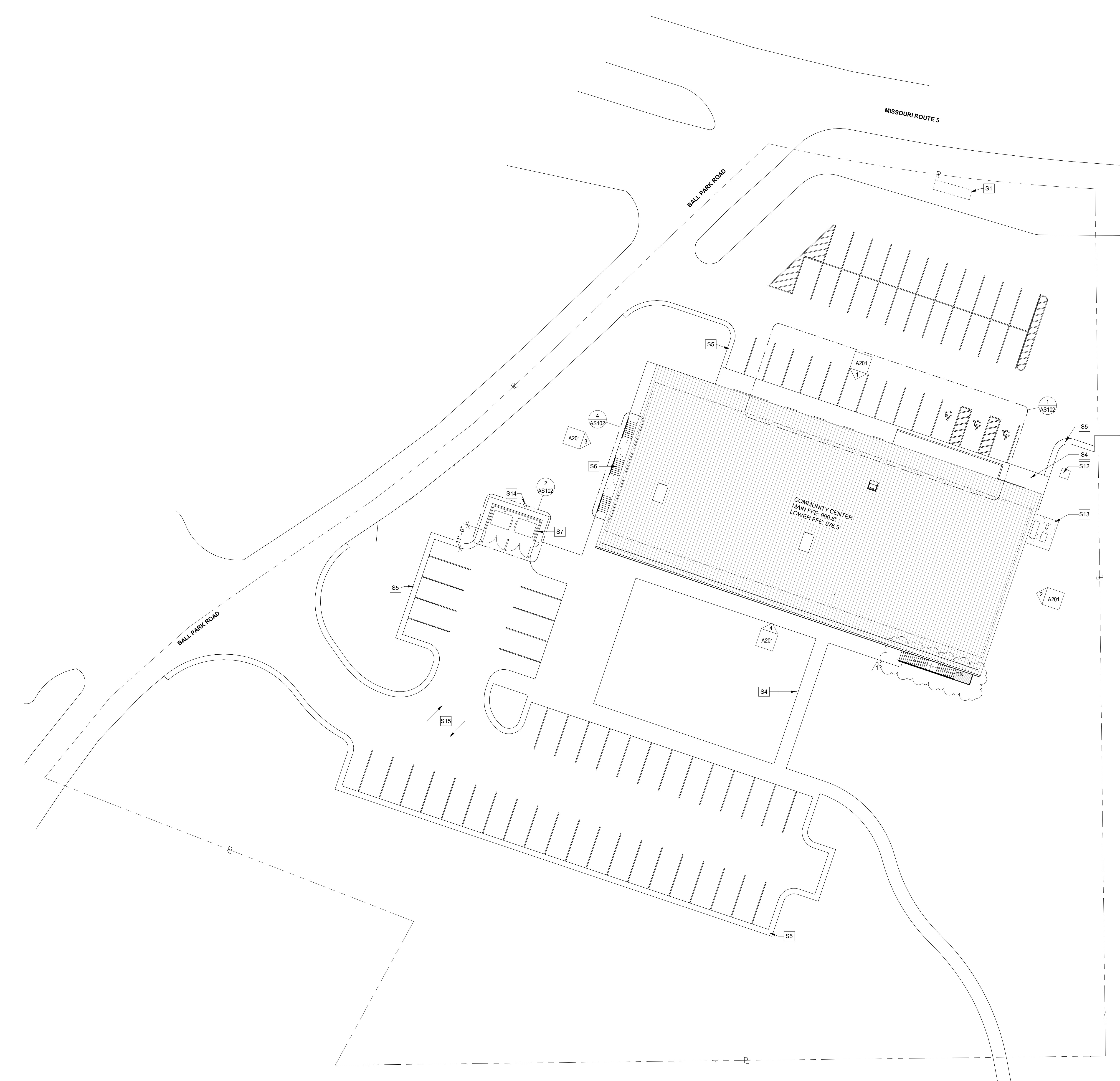
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LEGEND - KEYNOTES	
Key Value	Keynote Text
S1	CONDUIT TO FUTURE DIGITAL MONUMENT SIGN (RE. ELEC)
S4	CONCRETE SIDEWALK (RE. CIVIL)
S5	CONCRETE CURB (RE. CIVIL)
S6	CONCRETE EXTERIOR STAIRS (RE. CIVIL)
S7	TRASH ENCLOSURE, ALTERNATE NO. 01, SEE 01 2300
S12	TRANSFORMER AND CONCRETE PAD (RE. ELEC)
S13	CONCRETE PAD AT MECHANICAL UNITS, SIZE TO FIT UNITS INCLUDING MAINTENANCE CLEARANCES (RE. CIVIL)
S14	UTILITY POLE (RE. CIVIL)
S15	SOUTH PARKING LOT, ALTERNATE NO. 01, SEE 01 2300



1 SITE PLAN
AS101 1" = 20'-0"



Camdenton Community Center
City of Camdenton, Missouri
1205 N. Business Route 5
Camdenton, MO 65020

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ARCHITECTURAL
SITE PLAN

AS101

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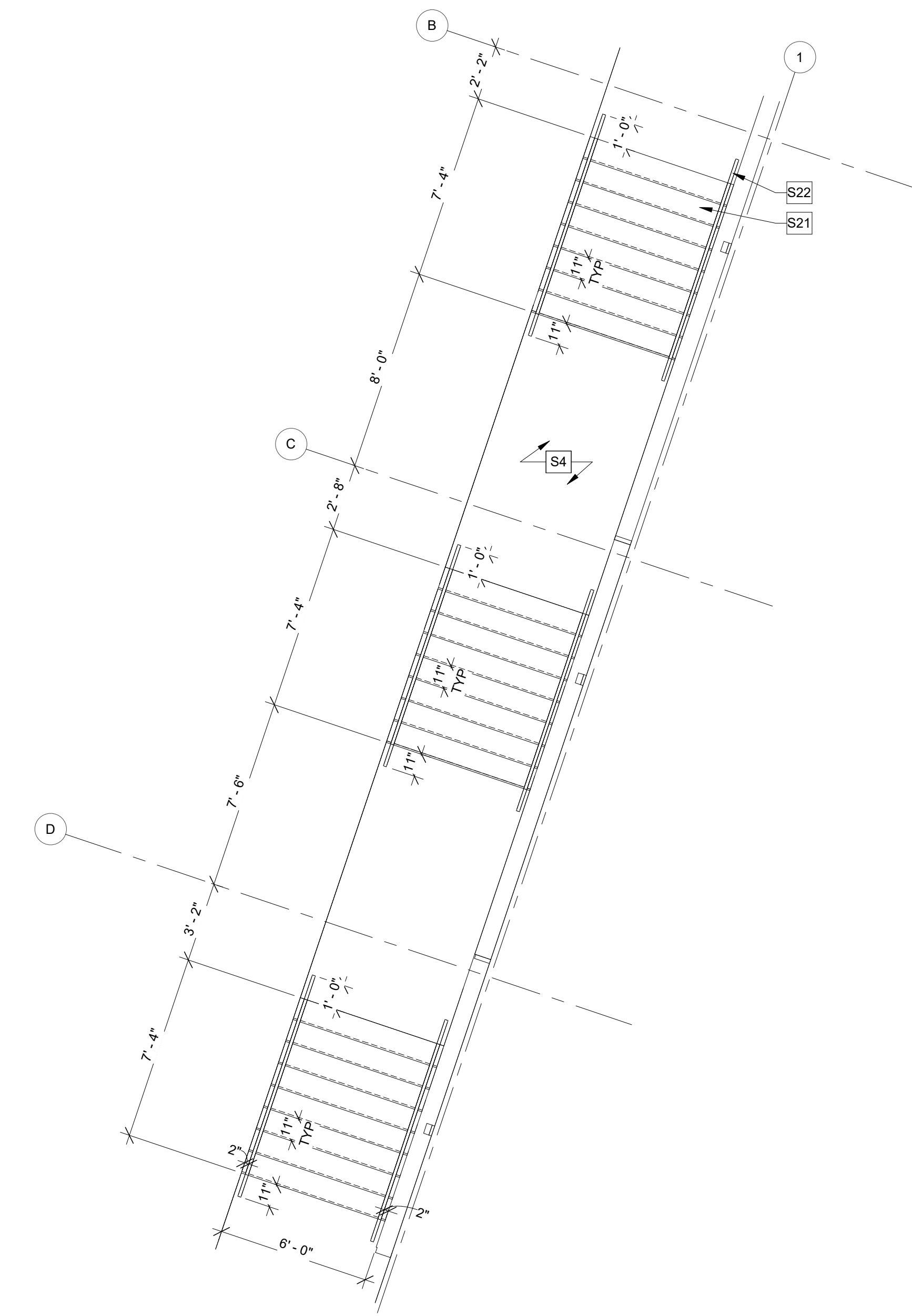
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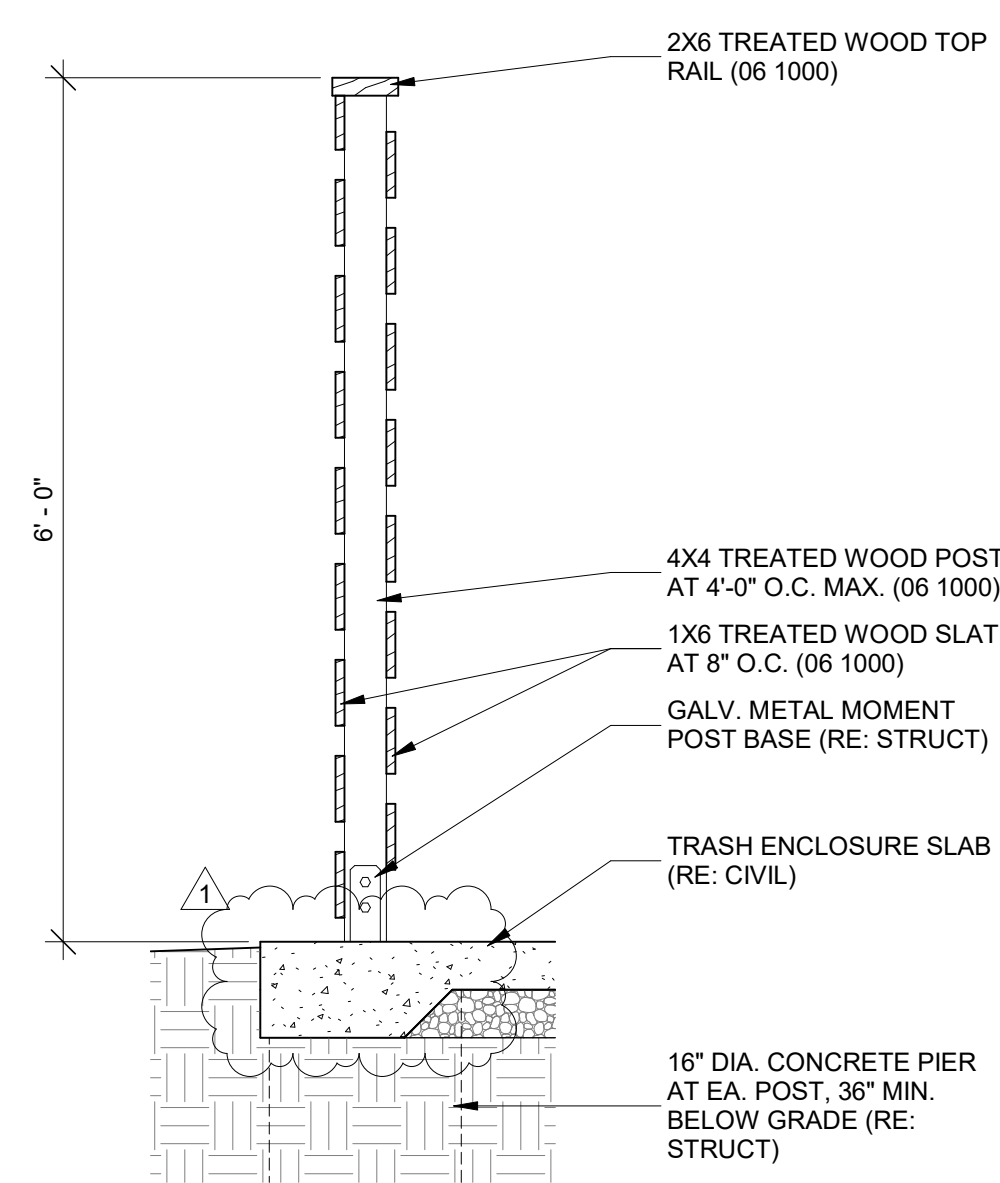
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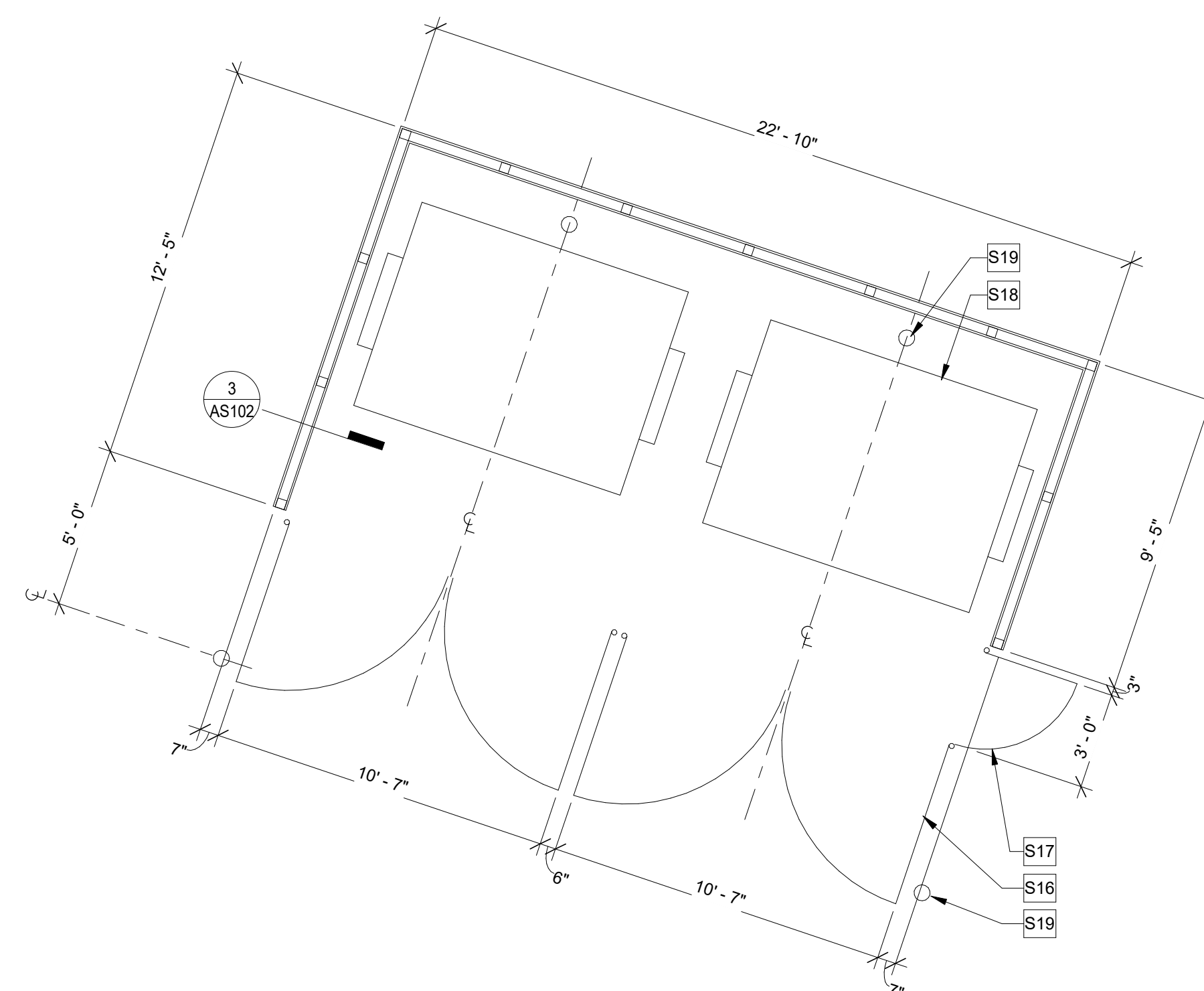
Key Value	Keynote Text
S2	CONCRETE BENCH (32 3300)
S3	BIKE RACK (32 3300)
S4	CONCRETE SIDEWALK (RE: CIVIL)
S8	CONTROL JOINT, TYP. (RE: CIVIL)
S9	LIGHT FIXTURE ON CONCRETE PAD (RE: ELEC)
S10	PARKING LOT (RE: CIVIL)
S11	WHEEL STOP (RE: CIVIL)
S16	6' TALL CHAINLINK DOUBLE GATE WITH PRIVACY STRIPS, PROVIDE ROLLERS ON OPENING EDGE, PADLOCK HASP, CANE BOLT WITH GALV. SLEEVES IN PAVEMENT AT CLOSED AND OPEN POSITIONS (32 3113)
S17	6' TALL CHAINLINK SINGLE GATE WITH PRIVACY STRIPS, PADLOCK HASP, CANE BOLT WITH GALV. SLEEVES IN PAVEMENT AT CLOSED AND OPEN POSITIONS (32 3113)
S18	DUMPSTER, BY OWNER
S19	6" GALV. STEEL BOLLARD, 42" ABOVE GRADE, FILLED WITH CONCRETE AND PAINTED WITH H.P.C. (05 5500)
S21	CAST IN PLACE CONCRETE STAIRS, BROOM FINISH, SLOPE STAIR, TREADS AND LANDING TO DRAIN, 2% MAX., TYP., (RE: STRUCT)
S22	GALV. STEEL HANDRAIL, PAINTED WITH H.P.C., CONNECTIONS WELDED AND GROUND SMOOTH, SUPPORTING INT. POSTS AT 48" O.C. MAX, 36" ABOVE SIDEWALK AND LEADING EDGE OF TREAD, SLEEVE INTO SLAB/STAIR (5 5100)



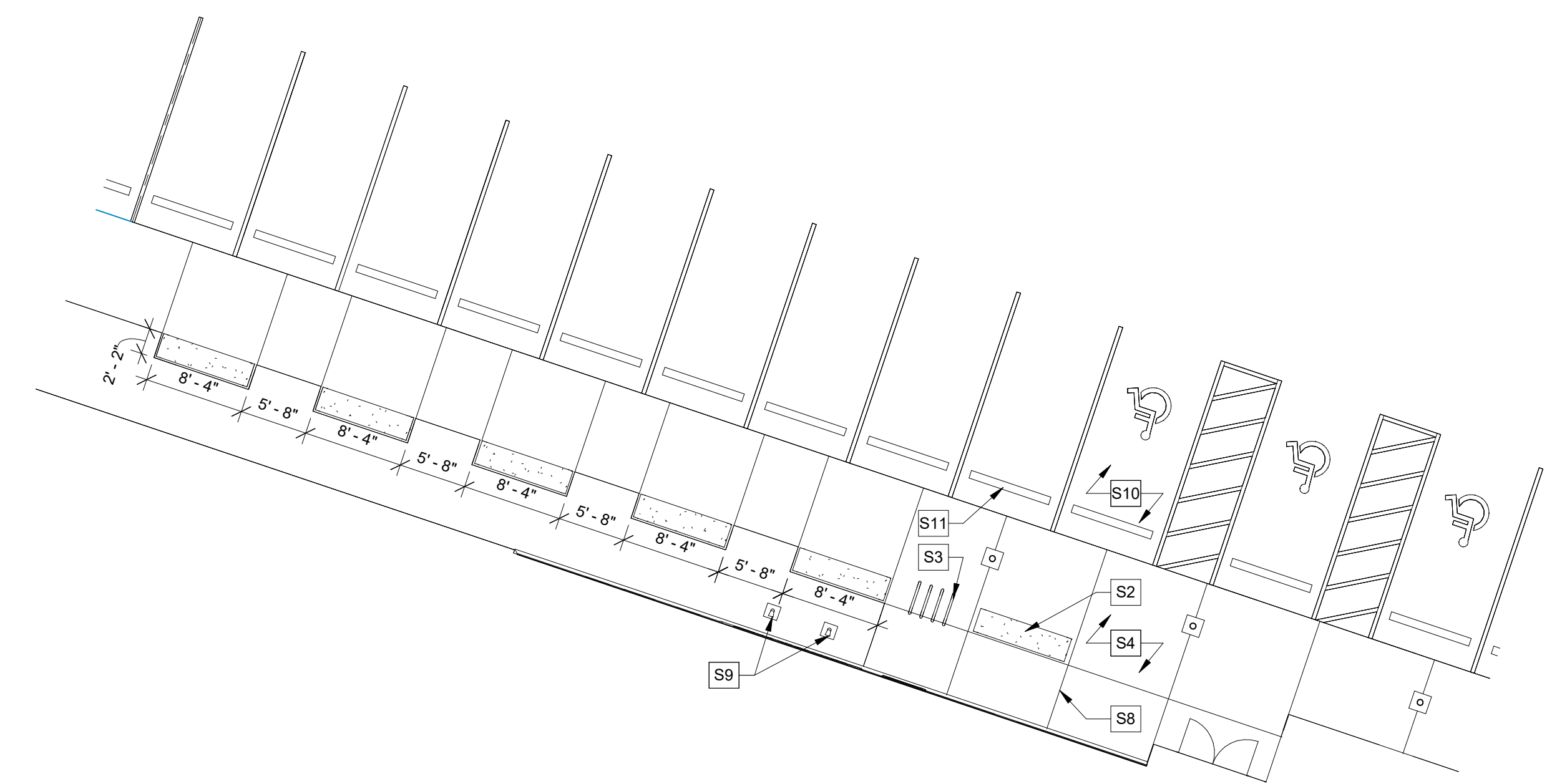
4 ENLARGED SITE PLAN - WEST EXT STAIR
AS102 1/4" = 1'-0"



3 SITE DETAIL - TRASH ENCLOSURE
AS102 3/4" = 1'-0"



2 ENLARGED SITE PLAN - TRASH ENCLOSURE
AS102 1/4" = 1'-0"



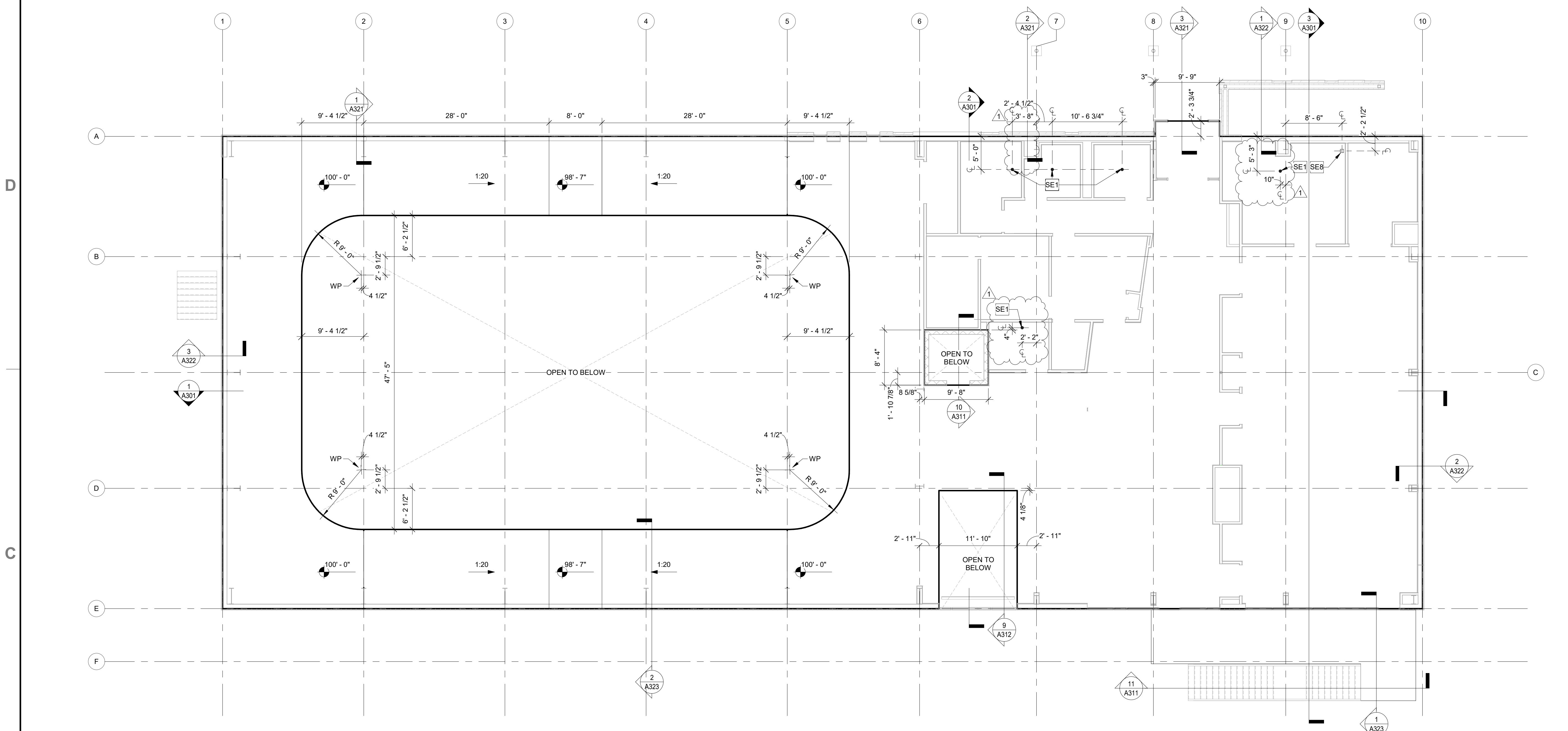
1 ENLARGED SITE PLAN - ENTRY
AS102 1" = 10'-0"



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1	04.23.21	BID SET

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SITE DETAILS

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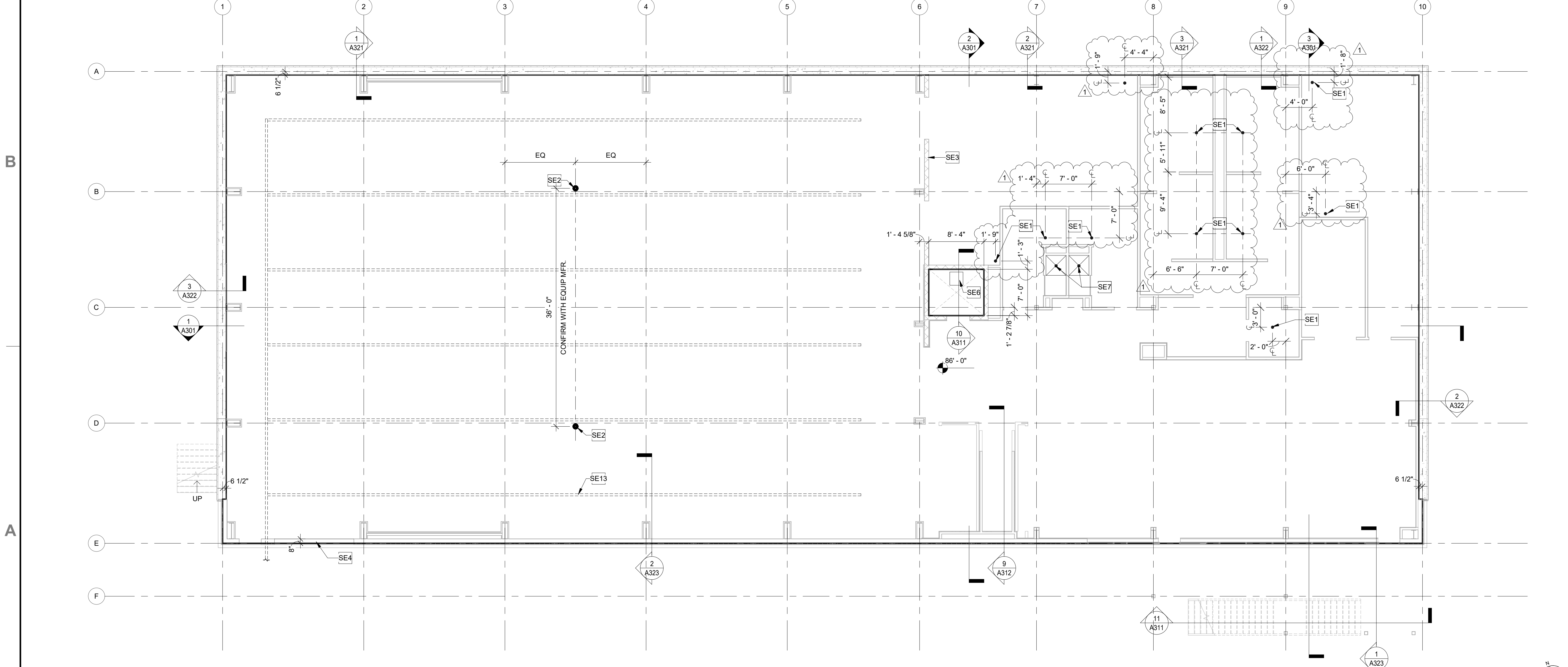


- GENERAL NOTES - SLAB EDGE PLAN**
1. SET DRAINS 3/8" BELOW FLOOR FINISH ELEVATION, SLOPE TO DRAINS AS SHOWN
 2. LOCATE FLOOR DRAINS, TRENCH DRAINS, FLOOR JOINTS, ECT AT MIDPOINT OF PROVIDED DIMENSION UNLESS NOTED OTHERWISE. CENTER FLOOR DRAINS IN ROOMS U.N.O.
 3. PROVIDE OPENINGS IN ELEVATED SLAB AS REQUIRED FOR MEPF PENETRATIONS. COORDINATE LOCATION AND SUPPORT OF OPENINGS AS REQUIRED WITH PEMB SUPPLIER.
 4. 2ND FLOOR SLAB EDGE EXTENDS TO BACKSIDE OF IMP/STEEL LINE U.N.O.
 5. NOT ALL MEP FIXTURES AND PENETRATIONS ARE SHOWN, COORDINATE WITH MEP DRAWINGS

LEGEND - KEYNOTES

Key Value	Keynote Text
SE1	FLOOR DRAIN (RE: PLUMB)
SE2	SLEEVE FOR VOLLEYBALL, COORDINATE DIMENSIONS WITH EQUIPMENT MFR (11 8623)
SE3	THICKENED SLAB AT INTERIOR CMU WALLS (RE: STRUCT)
SE4	1/2" DEPRESSION IN SLAB AT COILING DOOR THRESHOLD
SE6	ELEVATOR SUMP PIT, COORDINATE LOCATION AND SIZE WITH ELEVATOR MFR (RE: PLUMB)
SE7	SHOWER DRAIN (RE: PLUMB)
SE8	FLOOR SINK AT ICE MACHINE (RE: PLUMB)
SE13	GYM FLOOR UNDERDRAIN, 4 INCH PERFORATED PVC PIPE IN FILTER FABRIC SOCK (RE: CIVIL)

2 SLAB EDGE PLAN - MAIN LEVEL
A051/ 1/8" = 1'-0"



1 SLAB EDGE PLAN - COURT LEVEL
A051/ 1/8" = 1'-0"



Camdenton Community Center
City of Camdenton, Missouri
1205 N. Business Route 5
Camdenton, MO 65020

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SLAB EDGE PLANS
A051

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GENERAL NOTES - FLOOR PLAN

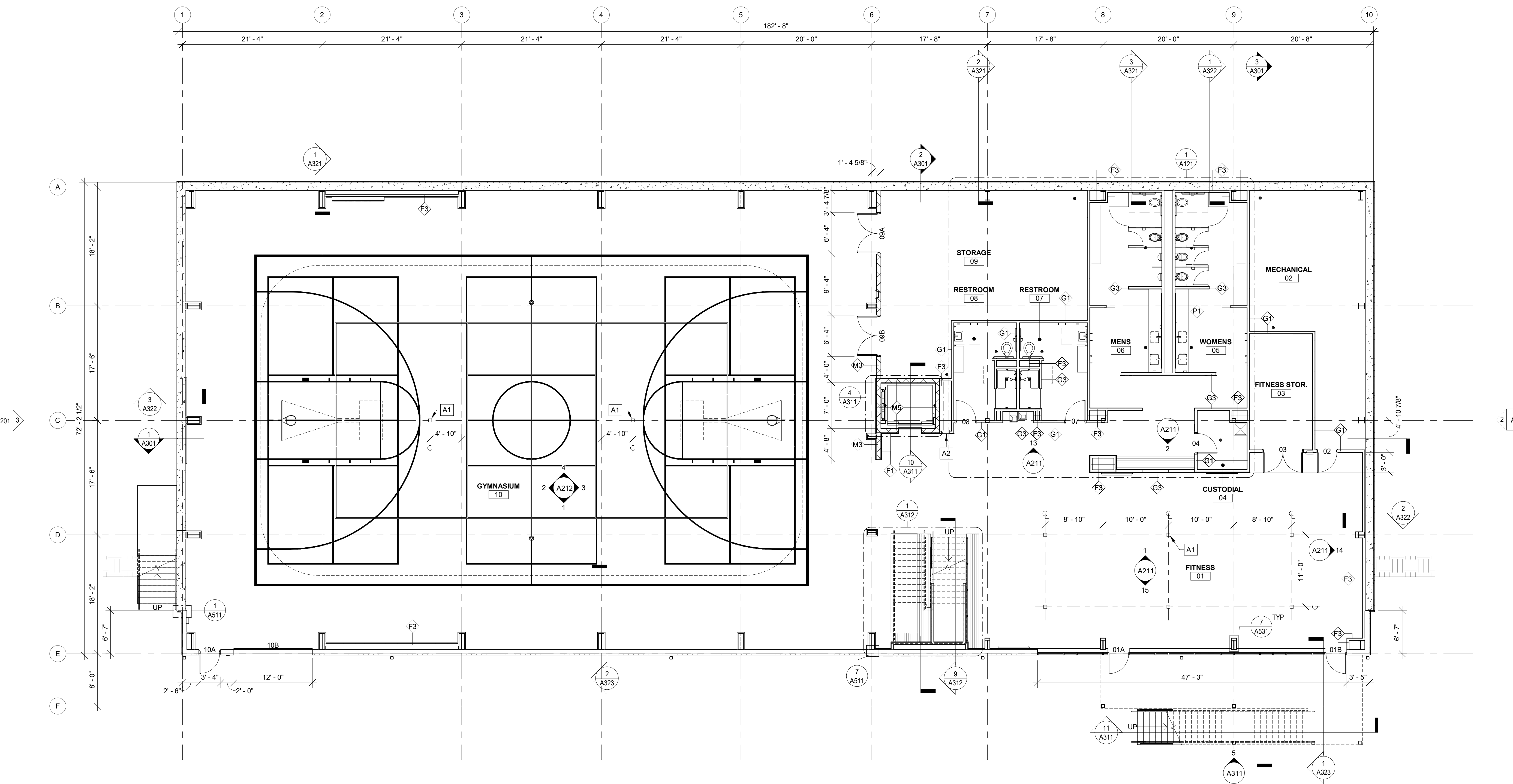
- DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. VERIFY ALL DIMENSIONS PRIOR TO START OF WORK. IN THE EVENT OF DISCREPANCY, NOTIFY ARCHITECT AND OBTAIN RESOLUTION BEFORE PROCEEDING.
- NOTIFY THE ARCHITECT OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF WORK. FAILURE TO NOTIFY THE ARCHITECT WILL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO PERFORM THE WORK AS INTENDED BY THE CONTRACT DOCUMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ARISING FROM SUCH FAILURE TO COORDINATE DISCREPANCIES TO THE SATISFACTION OF THE ARCHITECT.
- WHERE EXISTING CONSTRUCTION AND GRIDS ARE INDICATED, CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS PRIOR TO PERFORMING LAYOUT WORK REQUIRED FOR INSTALLATION OF NEW WORK.
- VERIFY EXISTING DIMENSIONS, CONDITIONS AND CLEARANCES PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS.
- ALL SLEEVES, OPENINGS, ETC. FOR CONDUIT, PIPES, DUCTS, ETC. (OUTSIDE OF RATED CHASES) THROUGH FLOOR SLABS AND RATED PARTITIONS ARE TO BE FIRE SEALED IN ACCORDANCE WITH FIRE RATED ASSEMBLY DESIGNS, APPLICABLE CODES AND FIRE MARSHAL'S REQUIREMENTS.
- PROVIDE A MINIMUM OF 3/4" FIRE-RETARDANT TREATED WOOD BLOCKING OR 18 GA. MINIMUM STEEL PLATE BLOCKING AS REQUIRED WITHIN STEEL STUD FRAMED PARTITIONS FOR SECURE AND PROPER ATTACHMENT OF NEW WORK, INCLUDING BUT NOT LIMITED TO AV EQUIPMENT, MILLWORK, VISUAL DISPLAY SURFACES, SIGNAGE, AND FURNISHINGS WHERE INDICATED ON PLANS.
- WHERE WORK OCCURS IN AREAS WITH EXISTING FINISHES TO REMAIN, REFINISH DISTURBED AREAS TO MATCH EXISTING FINISHES AND MATERIALS UNLESS NOTED OR DIRECTED OTHERWISE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, ELEVATIONS, AND DETAIL SHOWN ON THE DRAWINGS. ANY DISCREPANCIES WHICH WILL PREVENT THE ACCOMPLISHMENT OF INTENT SHOWN ON DRAWINGS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT. INDICATED CONDITIONS ARE NOT INTENDED AS REPRESENTATIONS OR WARRANTIES OF ACCURACY. IT IS EXPRESSLY UNDERSTOOD THAT THE OWNER WILL NOT BE RESPONSIBLE FOR INTERPRETATIONS OR CONCLUSIONS DRAWN BY THE CONTRACTOR.
- WHERE CONDUIT, PIPES, DUCTS, ETC. ARE INDICATED TO BE INSTALLED IN EXISTING WALLS AND NO FURRING IS SHOWN, THE WALLS SHALL BE NEATLY CHASED, CONDUITS, ETC. INSTALLED, AND WALLS PATCHED TO MATCH EXISTING. IN AREAS OF NEW PARTITIONS WHERE CONDUITS, DUCTS, PIPING, ETC. PASS THROUGH FINISHED SPACES, ROUTE WITHIN PARTITION CONSTRUCTION.
- PROTECT AND PRESERVE ALL EXISTING ITEMS TO REMAIN AND REPAIR AND/OR REPLACE ANY ITEMS DAMAGED DURING THE COURSE OF THE WORK TO THE SATISFACTION AND APPROVAL OF THE ARCHITECT WITHOUT ADDITIONAL COST TO THE OWNER.
- (## #) INDICATES REFERENCED SPECIFICATIONS FOR PRODUCTS AND MATERIALS SHOWN ON THE DRAWINGS AND SPECIFIED IN THE PROJECT MANUAL.
- RETURN INTERIOR FINISHES INTO DOOR AND WINDOW OPENINGS.
- PROVIDE ACOUSTIC BATT INSULATION AT METAL STUD PARTITIONS WHERE BATTING IS SHOWN ON FLOOR PLAN.
- LOCATE DOOR JAMBS 2" OFF ADJACENT WALLS U.N.O.

FLOOR PLAN SYMBOLS

- NEW CONSTRUCTION
- EXISTING CONSTRUCTION
- ROOM NAME**
 ROOM NAME AND NUMBER
- CENTER LINE
- MATCH LINE
- 101 DOOR INDICATION TAG
- PARTITION TYPE
- WINDOW TYPES
- PLAN KEYNOTES
- SPOT ELEVATION
- DRAWING REVISION
- NEW GRID IDENTIFIER
- EXISTING GRID IDENTIFIER

LEGEND - KEYNOTES

Key Value	Keynote Text
A1	FLOOR BOX (RE. ELEC)
A2	AED DEFIBRILLATOR AND CABINET, FULLY RECESSED (10 4400)

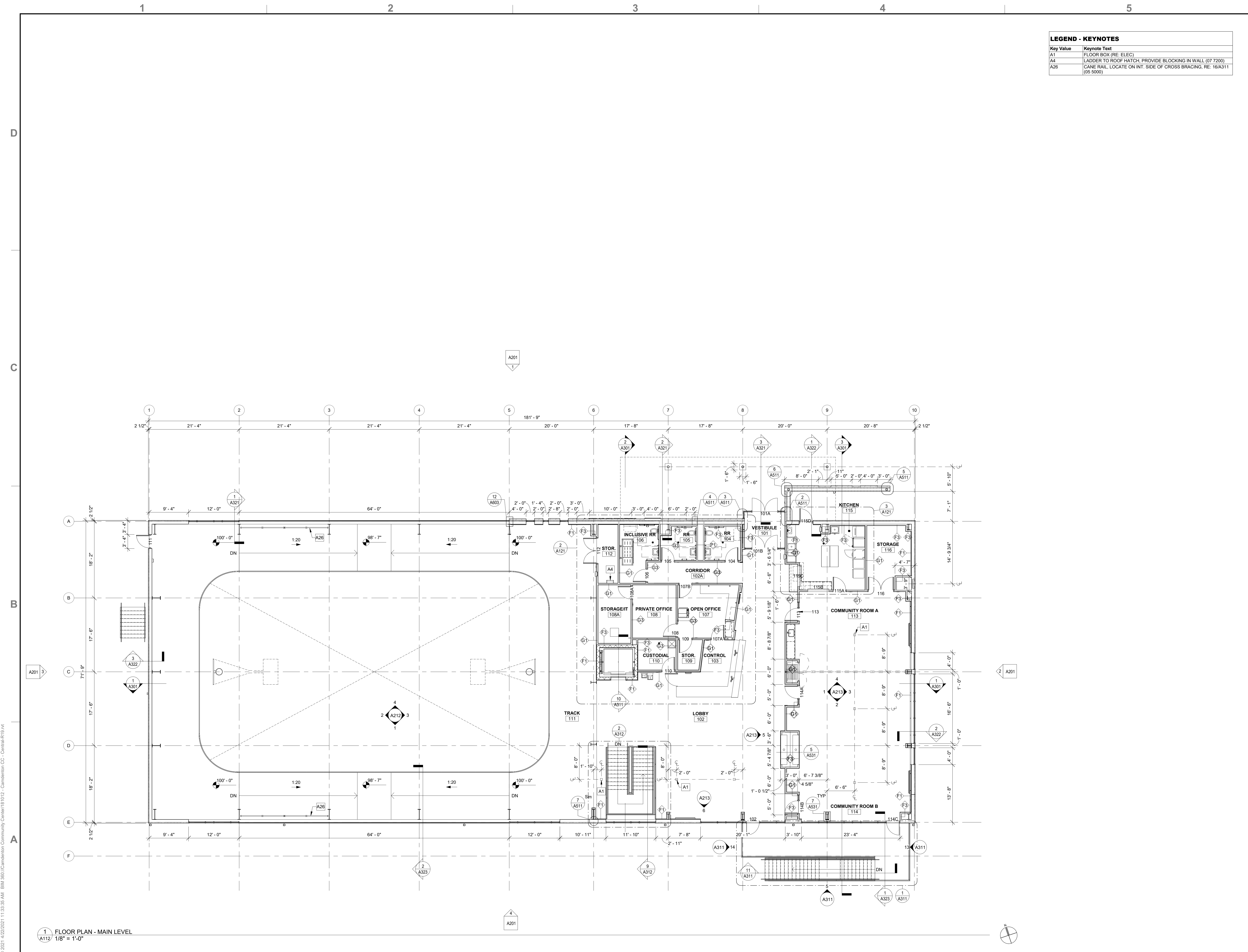


1 FLOOR PLAN - COURT LEVEL
A111/ 1/8" = 1'-0"



MARK	DATE	DESCRIPTION

LEGEND - KEYNOTES	
Key Value	Keynote Text
A1	FLOOR BOX (RE: ELEC)
A4	LADDER TO ROOF HATCH, PROVIDE BLOCKING IN WALL (07 7200)
A26	CANE RAIL, LOCATE ON INT. SIDE OF CROSS BRACING, RE: 16/A311 (05 5000)



1 FLOOR PLAN - MAIN LEVEL
 A112 1/8" = 1'-0"

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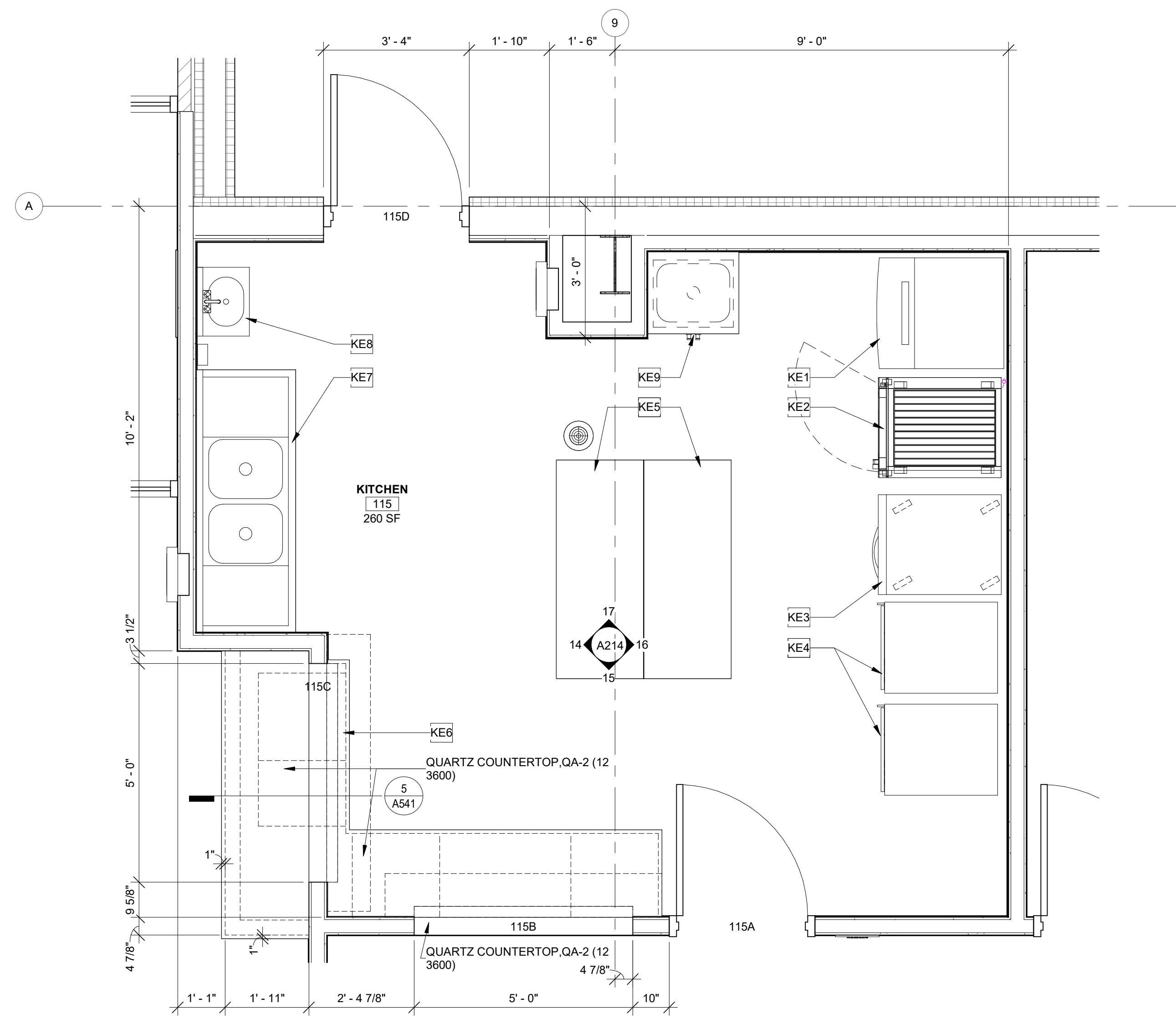
Camdenton Community Center
 City of Camdenton, Missouri
 1205 N. Business Route 5
 Camdenton, MO 65020

MARK	DATE	DESCRIPTION

SFS PROJECT NO: 181012
 ISSUED FOR: 100% CDS
 ISSUE DATE: 04/05/21
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FLOOR PLAN -
 MAIN LEVEL
A112

NEW KITCHEN EQUIPMENT SCHEDULE				
Keynote	Description	Furnished BY	Installed BY	
KE1	Ice Machine, 30" Wide	OWNER	GC	
KE2	Refrigerator, Reach-In, Glass Door, 28" Wide	OWNER	GC	
KE3	Upright Freezer, 27" Wide	OWNER	GC	
KE4	Holding & Transport Cabinet, 25" Wide	OWNER	GC	
KE4	Holding & Transport Cabinet, 25" Wide	OWNER	GC	
KE5	Enclosed Worktable w/Sliding Doors, 60" x 24"	OWNER	GC	
KE5	Enclosed Worktable w/Sliding Doors, 60" x 24"	OWNER	GC	
KE6	Under Counter Dish Washer, 24" x 26"	OWNER	GC	
KE7	Two-Compartment Sink (RE: PLUMBING)	GC	GC	
KE8	Hand Sink (RE: PLUMBING)	GC	GC	
KE9	Mop Sink Storage Cabinet (RE: PLUMBING)	GC	GC	



3 ENLARGED - MAIN LEVEL - KITCHEN
A12/ 1/2" = 1'-0"

- FLOOR PLAN SYMBOLS**
- NEW CONSTRUCTION
 - EXISTING CONSTRUCTION
 - ROOM NAME
 - ROOM NAME AND NUMBER
 - CENTER LINE
 - MATCH LINE
 - 101 DOOR INDICATION TAG
 - PARTITION TYPE
 - WINDOW TYPES
 - PLAN KEYNOTES
 - SPOT ELEVATION
 - DRAWING REVISION
 - NEW GRID IDENTIFIER
 - EXISTING GRID IDENTIFIER

LEGEND - KEYNOTES

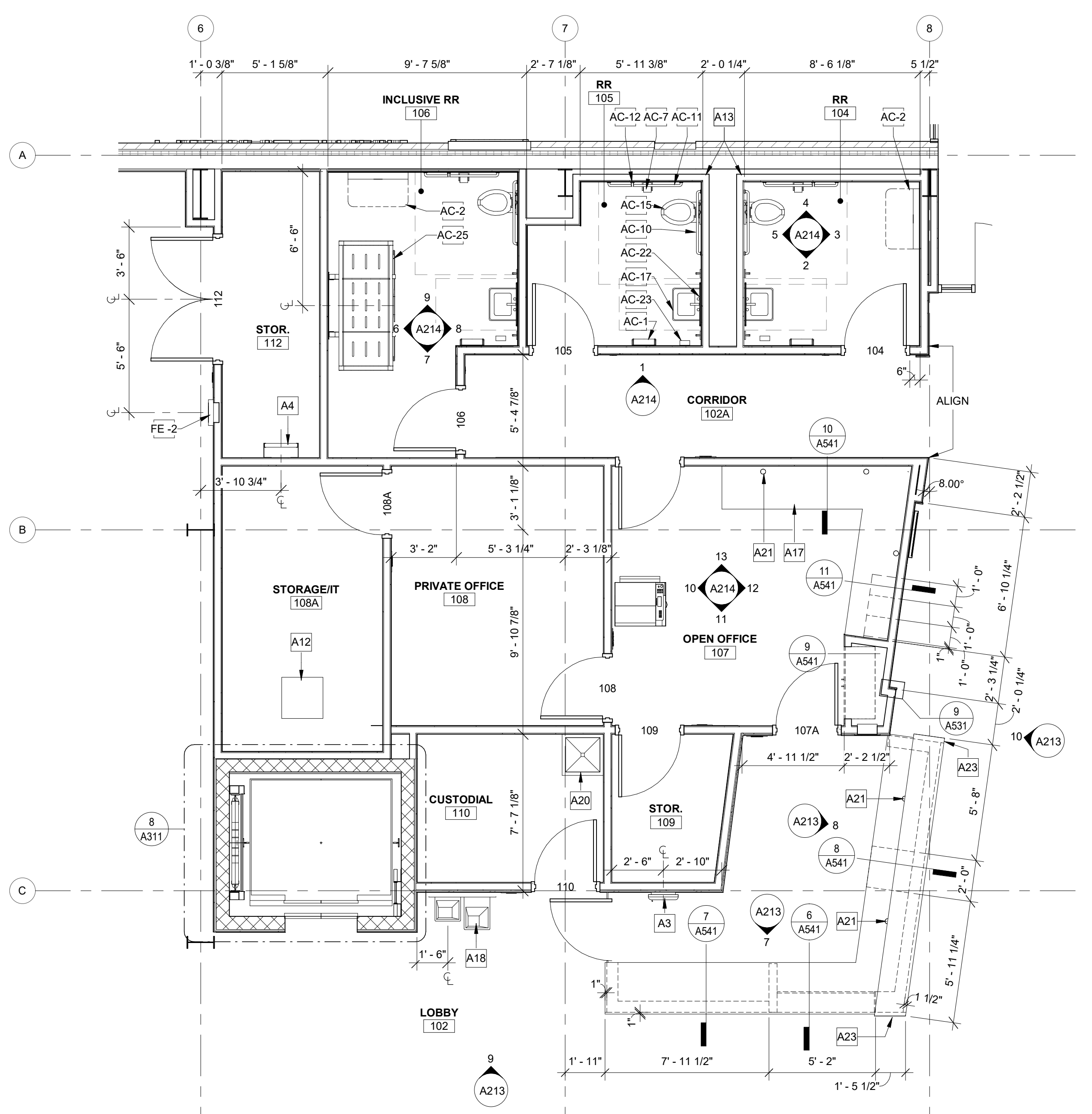
Key Value	Keynote Text
T2 3600.C1	SOLID-SURFACE COUNTERTOP, 36"x1 (12 3600)
T2 3600.D5	QUARTZ COUNTERTOP, QA-2 (12 3600)
A3	AED DEFIBRILLATOR AND CABINET, SEMI RECESSED (10 4400)
A4	LADDER TO ROOF HATCH, PROVIDE BLOCKING IN WALL (07 7200)
A12	IT RACK, BY OWNER (RE: ELEC)
A13	COORDINATE LOCATION OF FURRING WALL WITH PEMB CROSS BRACING (08 2116)
A17	BUILT IN DESK 30" AFF (06 4100)
A18	DRINKING FOUNTAIN (RE: PLUMB)
A20	MOP SINK (RE: PLUMB)
A21	METAL GROMMET WITH REMOVABLE CAP, SATIN FINISH (06 4100)
A22	HDPE SHOWER DOOR (10 2113)
A23	WATERFALL EDGE AT UPPER COUNTER, RETURN TO FLOOR (12 3600)
AC-1	WARM-AIR DRYER (10 2800)
AC-2	DIAPER-CHANGING STATION (10 2800)
AC-6	ROBE HOOK (10 2800)
AC-7	TOILET TISSUE DISPENSER (10 2800)
AC-10	GRAB BAR, 36" (10 2800)
AC-11	GRAB BAR, 42" (10 2800)
AC-12	GRAB BAR, 18" (10 2800)
AC-15	TOILET (RE: PLUMB)
AC-17	SINK (RE: PLUMB)
AC-18	SHOWER SEAT (10 2800)
AC-19	SHOWER CONTROLS (RE: PLUMB)
AC-20	SHOWER HEAD (RE: PLUMB)
AC-21	CONTINUOUS GRAB BAR (10 2800)
AC-22	MIRROR (08 8300)
AC-23	LIQUID SOAP DISPENSER, PROVIDED BY OWNER, INSTALLED BY GC (10 2800)
AC-25	WALL MOUNT COMPANION CARE TABLE, PROVIDE BLOCKING AS RECOMMENDED BY MFR (10 2800)
AC-26	BENCH (10 2800)
AC-27	VENDOR - SANITARY NAPKIN AND TAMPON (10 2800)
FE-2	FIRE EXTINGUISHER, FE-2, SEMI-RECESSED (10 4400)
KE1	ICE MAKER (RE: EQUIP. SCHED)
KE2	REFRIGERATOR (RE: EQUIP. SCHED)
KE3	FREEZER (RE: EQUIP. SCHED)
KE4	WARMING OVEN (RE: EQUIP. SCHED)
KE5	24" X 60" WORK TABLE (RE: EQUIP. SCHED)
KE6	UNDERCOUNTER DISHWASHER (RE: EQUIP. SCHED)
KE7	TWO COMPARTMENT SINK (RE: PLUMB)
KE8	HAND SINK (RE: PLUMB)
KE9	MOP SINK CABINET (RE: PLUMB)

D

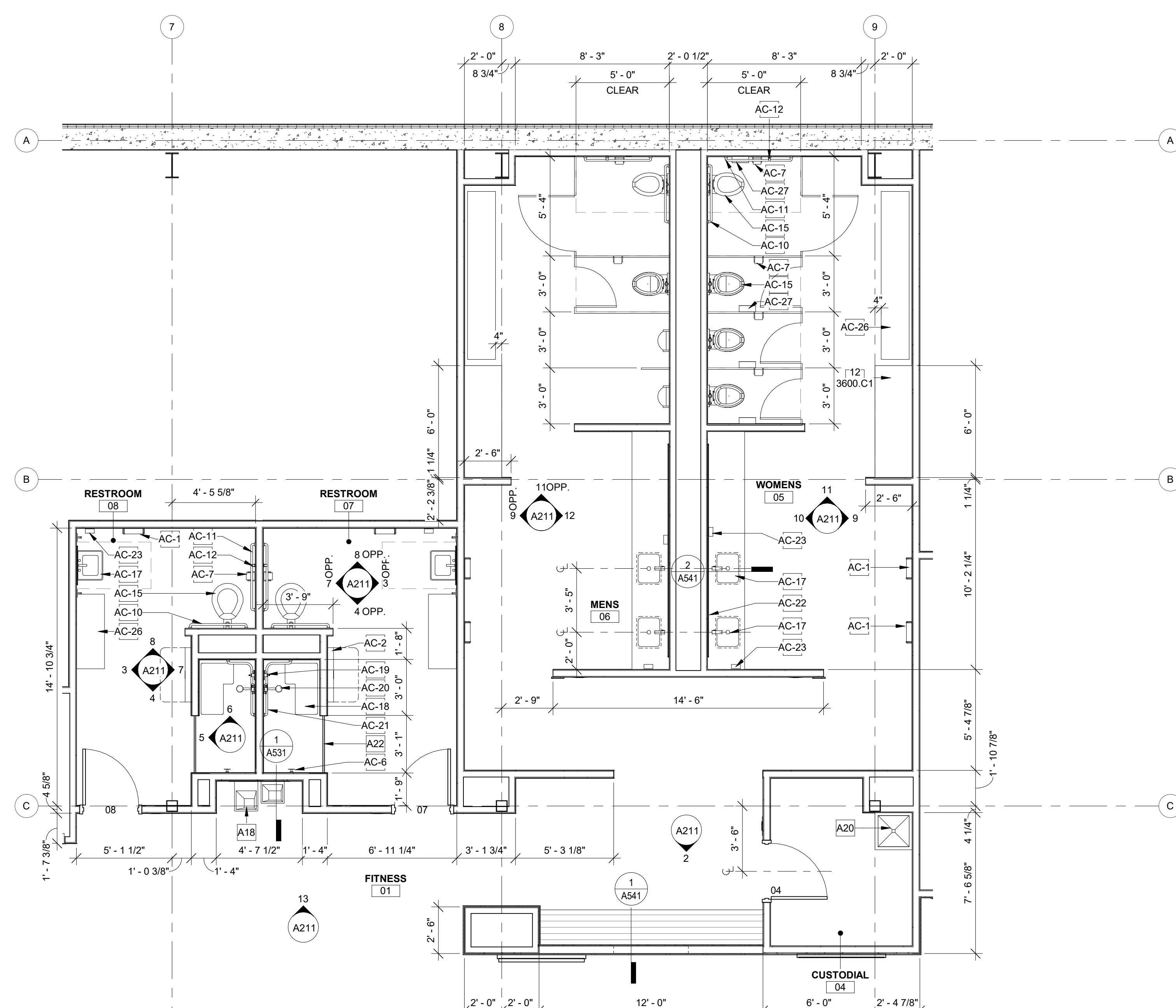
C

B

A



2 ENLARGED PLAN - MAIN LEVEL - ADMINISTRATION
A12/ 1/4" = 1'-0"



1 ENLARGED PLAN - LOWER LEVEL - RESTROOMS
A12/ 1/4" = 1'-0"

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MARK	DATE	DESCRIPTION



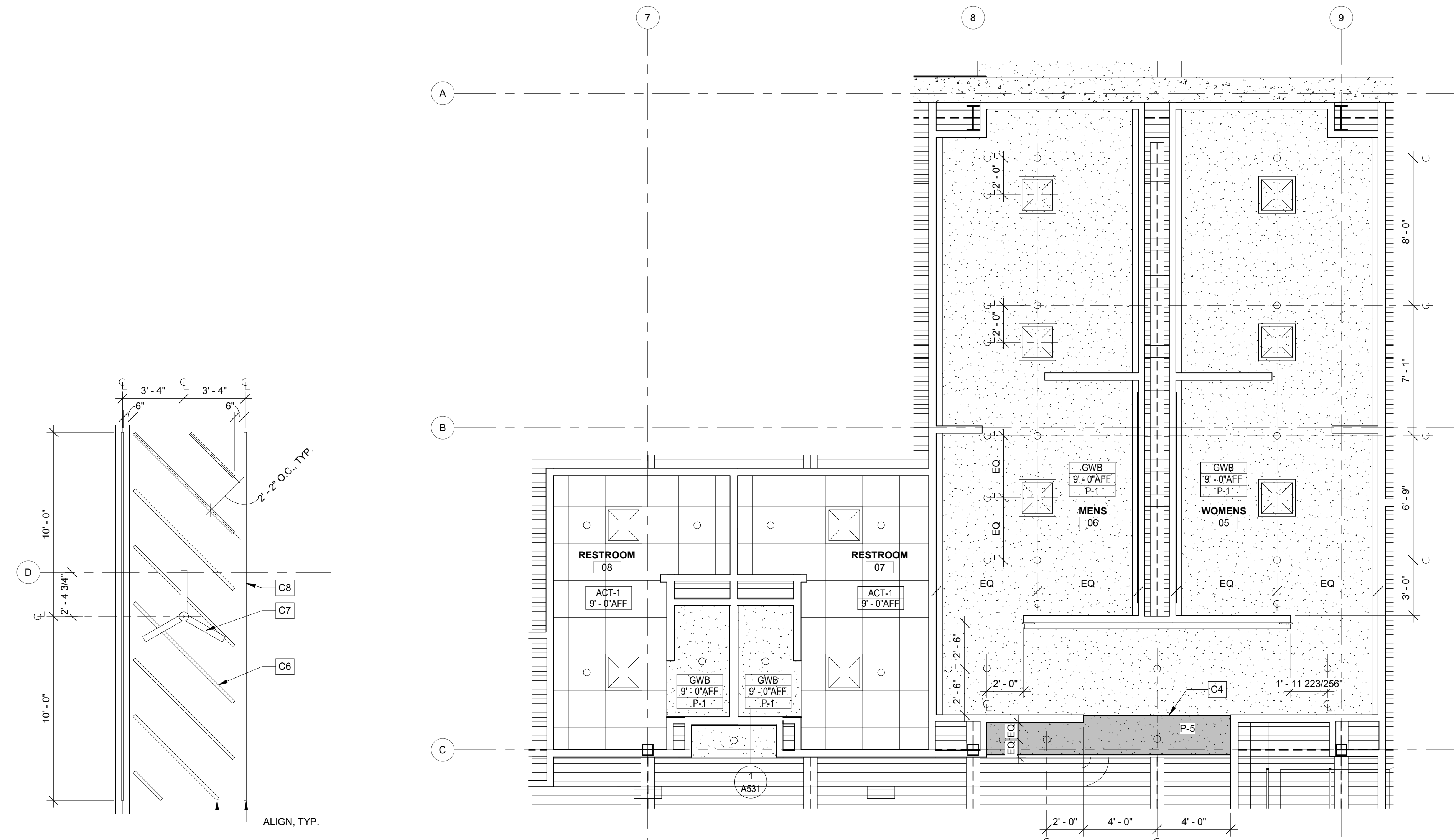
- GENERAL NOTES - REFLECTED CEILING PLAN**
- CEILING HEIGHTS INDICATED ARE MEASURED FROM MAIN FLOOR BENCHMARK ELEVATION OF 100'-0".
 - WHERE RECESSED LIGHT FIXTURES ARE INDICATED TO BE INSTALLED IN ACOUSTICAL TILE CEILINGS, FIXTURES ARE TO BE INSTALLED AT CENTER OF TILE UNLESS NOTED OTHERWISE.
 - SPRINKLER HEADS SHALL BE INSTALLED AT CENTER OF ACOUSTICAL TILE WHEN REQUIRED IN AREAS WITH ACOUSTICAL TILE CEILINGS. EXACT LOCATIONS AT ALL OTHER VISUALLY PROMINENT LOCATIONS SHALL BE COORDINATED WITH ARCHITECT.
 - REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPES AND SPECIFICATIONS.
 - COORDINATE FINAL MOUNTING LOCATION OF EXIT SIGNS, HORN STROBES, AND OTHER CEILING MOUNTED FIRE EXIT DEVICES WITH ARCHITECT PRIOR TO INSTALL.
 - REFER TO MECHANICAL DRAWINGS FOR DIFFUSERS, THERMO-STATS, AND OTHER MECHANICAL RELATED EQUIPMENT AND DEVICES.

- REFLECTED CEILING PLAN SYMBOLS**
- GYPSUM BOARD
 - ACOUSTICAL CEILING TILE
 - DIFFUSER/RETURN GRILL, RE: MECHANICAL
 - RECESSED LIGHT FIXTURE, RE: ELECTRICAL
 - REFLECTED CEILING PLAN KEYNOTE

- ROOM NAME** → ROOM NAME
→ ROOM NUMBER
- TYPE** → CEILING MATERIAL AND FINISH TYPE
AFF → CEILING HEIGHT
FINISH → CEILING FINISH

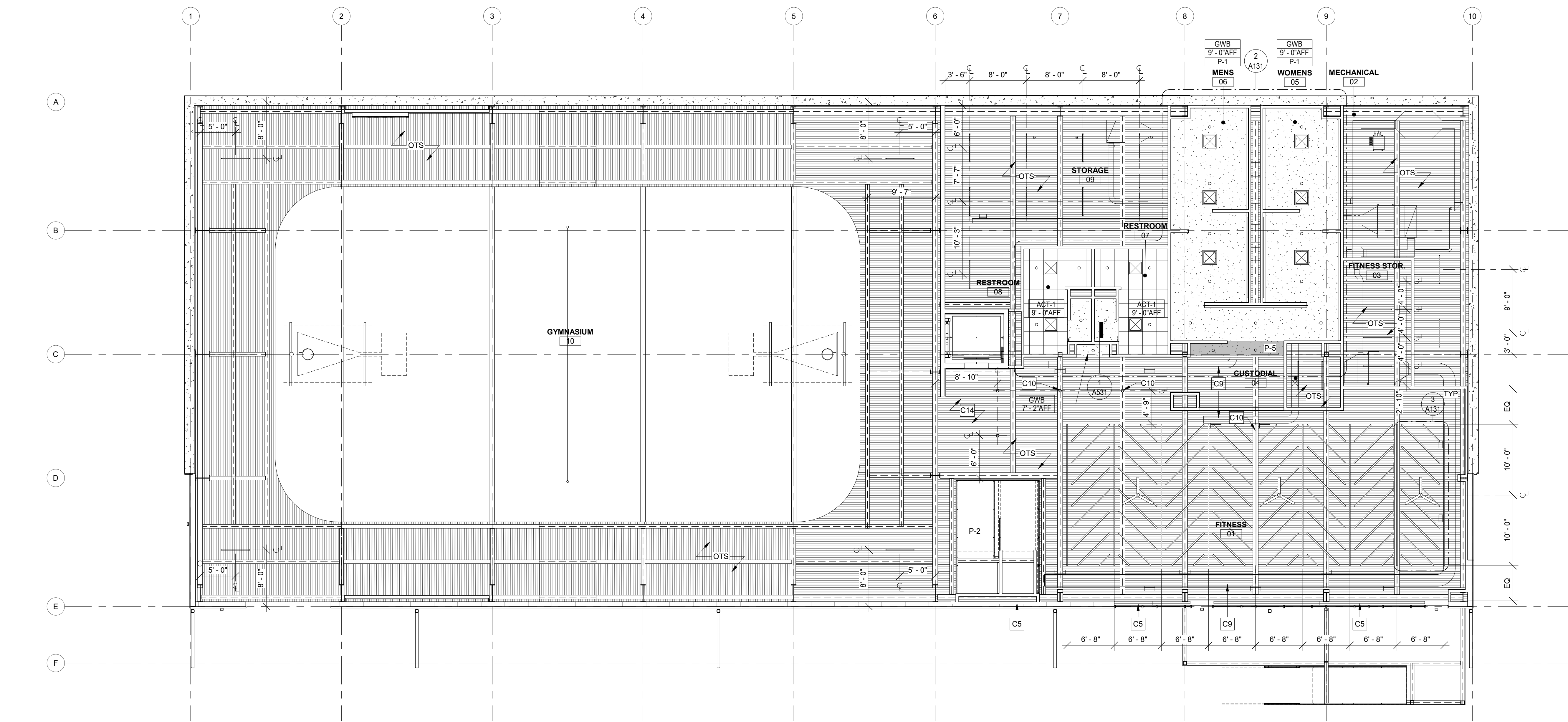
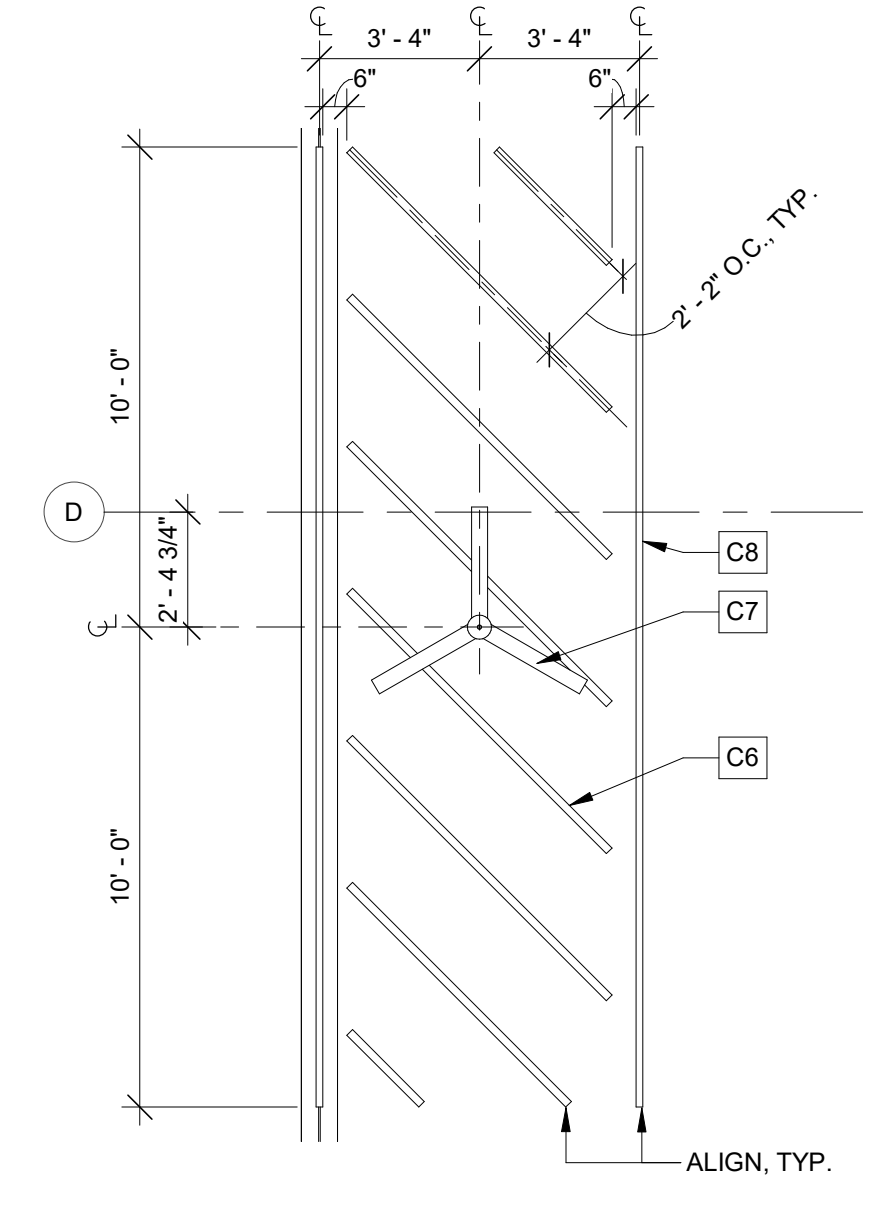
LEGEND - KEYNOTES

Key Value	Keynote Text
C4	1/2" GWB REVEAL (09 2116)
C5	S-1, MANUALLY OPERATED ROLLER SHADES, SINGLE ROLL (12 2400)
C6	16" TALL LINEAR ACOUSTIC BAFFLES (09 8430)
C7	CEILING FAN, HANG BELOW CLEAR OF ACOUSTIC BAFFLES (RE: MECH)
C8	LIGHT FIXTURE (RE: ELEC)
C9	DUCTWORK, PAINTED, TYP. (RE: MECH)
C10	MOUNT LIGHT FIXTURE CENTERED ON WIDTH OF BEAM
C14	PAINT EXPOSED PRIMARY FRAMING AND UNDERSIDE OF DECK, P-2, TYP. EXCEPT AT STORAGE/MECH AREAS (09 9123)



3 ENLARGED REFLECTED CEILING PLAN - BAFFLES AT FITNESS
 A131/ 1/4" = 1'-0"

2 ENLARGED REFLECTED CEILING PLAN - COURT LEVEL RESTROOMS
 A131/ 1/4" = 1'-0"



1 REFLECTED CEILING PLAN - COURT LEVEL
 A131/ 1/8" = 1'-0"



GENERAL NOTES - REFLECTED CEILING PLAN

1. CEILING HEIGHTS INDICATED ARE MEASURED FROM MAIN FLOOR BENCHMARK ELEVATION OF 100'-0"
2. WHERE RECESSED LIGHT FIXTURES ARE INDICATED TO BE INSTALLED IN ACOUSTICAL TILE CEILINGS, FIXTURES ARE TO BE INSTALLED AT CENTER OF TILE UNLESS NOTED OTHERWISE.
3. SPRINKLER HEADS SHALL BE INSTALLED AT CENTER OF ACOUSTICAL TILE WHEN REQUIRED IN AREAS WITH ACOUSTICAL TILE CEILINGS. EXACT LOCATIONS AT ALL OTHER VISUALLY PROMINENT LOCATIONS SHALL BE COORDINATED WITH ARCHITECT.
4. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPES AND SPECIFICATIONS.
5. COORDINATE FINAL MOUNTING LOCATION OF EXIT SIGNS, HORN STROBES, AND OTHER CEILING MOUNTED FIRE EXIT DEVICES WITH ARCHITECT PRIOR TO INSTALL.
6. REFER TO MECHANICAL DRAWINGS FOR DIFFUSERS, THERMO-STATS, AND OTHER MECHANICAL RELATED EQUIPMENT AND DEVICES.

REFLECTED CEILING PLAN SYMBOLS

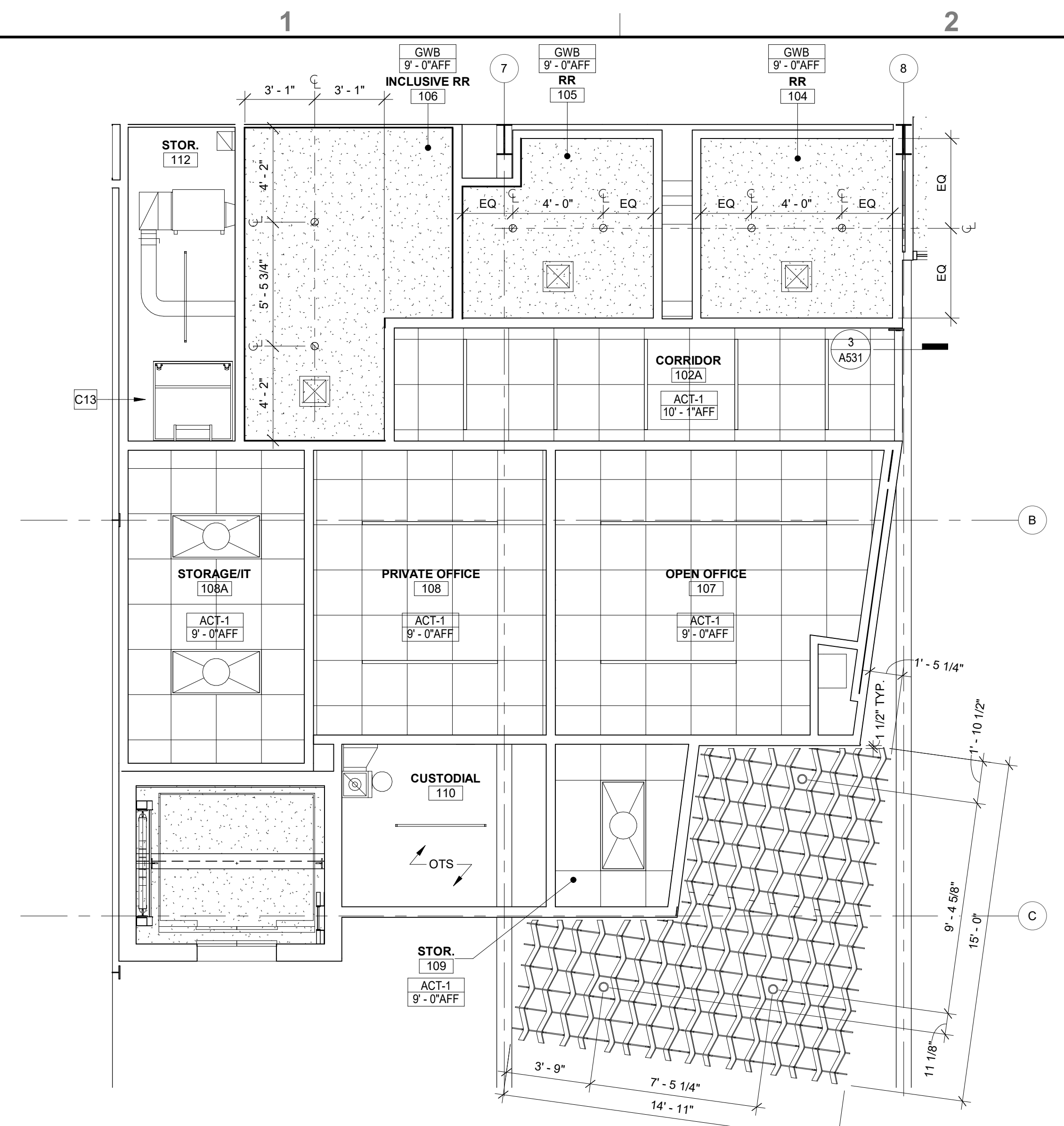
- GYPSUM BOARD
- ACOUSTICAL CEILING TILE
- DIFFUSER/RETURN GRILL. RE: MECHANICAL
- RECESSED LIGHT FIXTURE. RE: ELECTRICAL
- REFLECTED CEILING PLAN KEYNOTE

ROOM NAME → ROOM NAME
 ##### → ROOM NUMBER

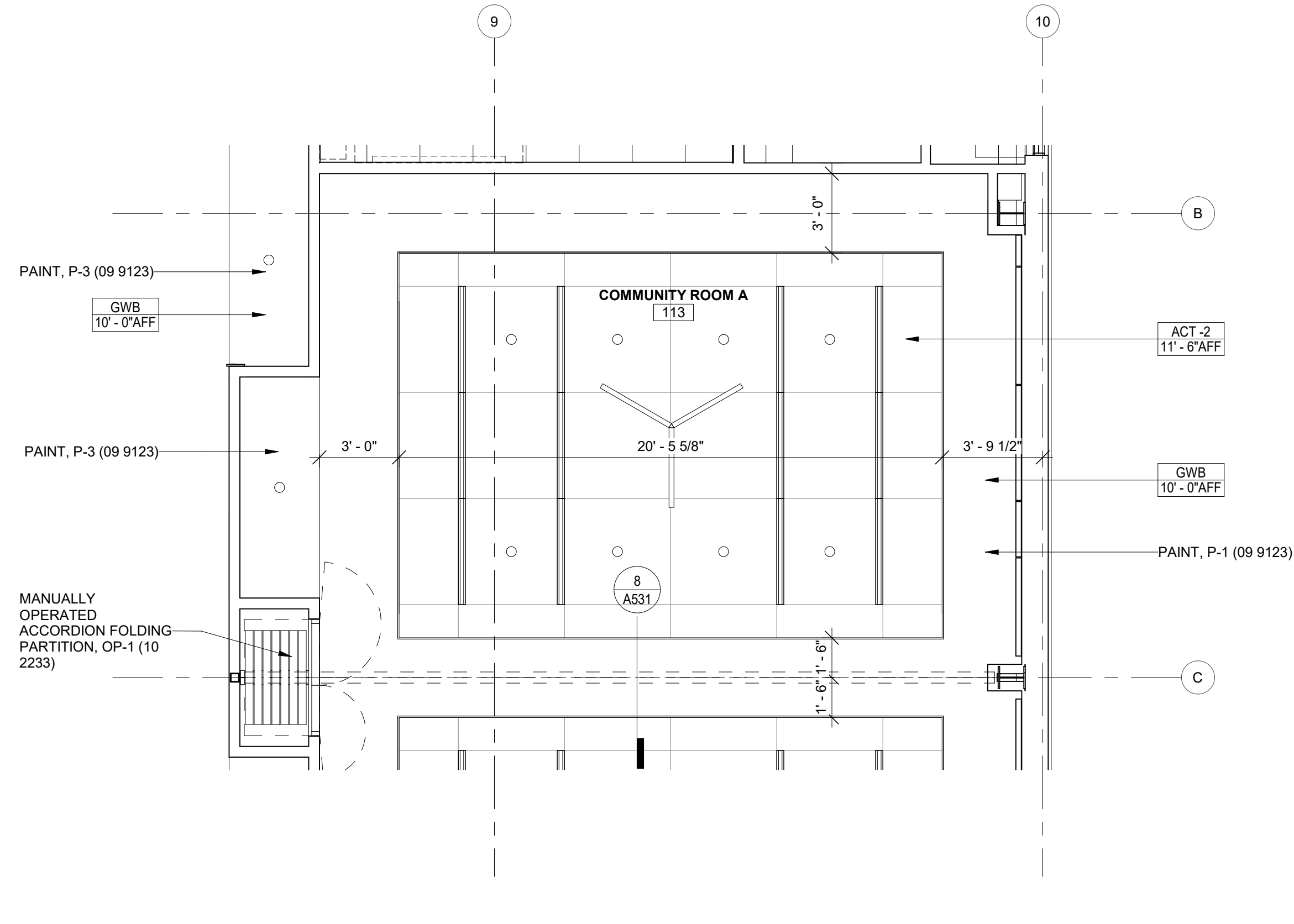
TYPE → CEILING MATERIAL AND FINISH TYPE
 #/AFF → CEILING HEIGHT
 FINISH → CEILING FINISH

LEGEND - KEYNOTES

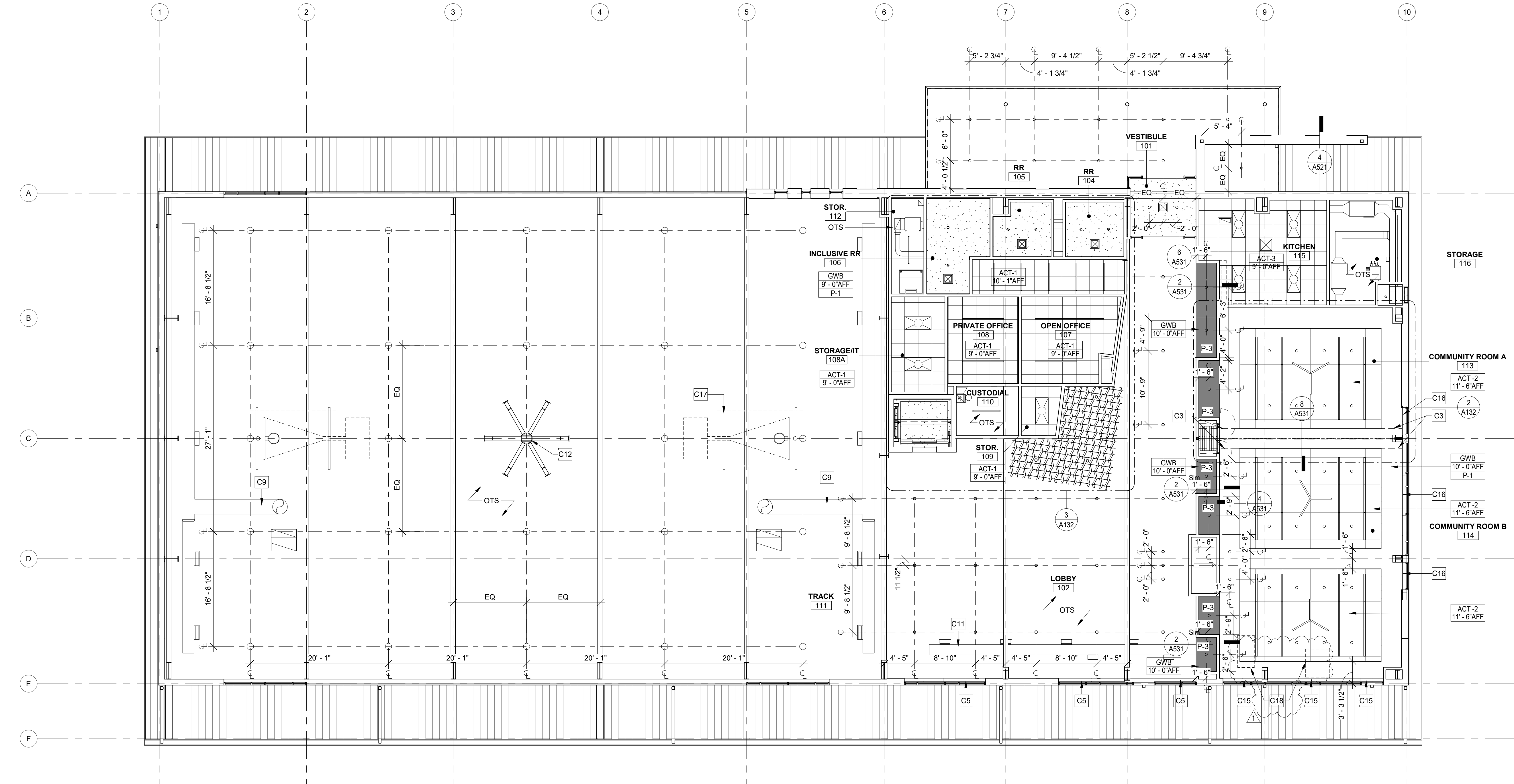
Key Value	Keynote Text
09 9123.A1	PAINT, P-1 (09 9123)
09 9123.A3	PAINT, P-3 (09 9123)
10 2233.A1	MANUALLY OPERATED ACCORDION FOLDING PARTITION, OP-1 (10 2233)
C3	SOFFIT WALLS TO BE CONTINUOUS WITH GWB AND ACOUSTIC INSULATION UP TO ROOF. EXTEND TO EXTERIOR WALL AND LOBBY WALL. (09 2116)
C5	S-1, MANUALLY OPERATED ROLLER SHADES, SINGLE ROLL (12 2400)
C9	DUCTWORK, PAINTED, TYP. (RE: MECH)
C11	CEILING MOUNTED VRF CASSETTE (RE: MECH)
C12	CEILING FAN, PROVIDE SECONDARY FRAMING AS REQUIRED FOR MOUNTING (13 3419) (RE: MECH)
C13	ROUTE DUCTWORK CLEAR OF ROOF HATCH ACCESS AND LADDER
C15	S-2, MOTOR OPERATED ROLLER SHADES, DOUBLE ROLL (12 2400)
C16	S-3, MOTOR OPERATED ROLLER SHADES, SINGLE ROLL (12 2400)
C17	CEILING HUNG BACKSTOP (REA4161)
C18	COORDINATE SOFFIT WALL FRAMING AT FCU-1 AND FCU-4 TO ALLOW INSTALL OF UNITS IN LOCATIONS SHOWN ON MECH. DRAWINGS. PROVIDE OPENINGS IN FRAMING ABOVE CEILING AS REQUIRED (RE: MECH)



3 ENLARGED CEILING PLAN - ADMIN
 A132/ 1/4" = 1'-0"



2 ENLARGED CEILING PLAN - MAIN LEVEL - COMMUNITY ROOM A
 A132/ 1/4" = 1'-0"



1 REFLECTED CEILING PLAN - MAIN LEVEL
 A132/ 1/8" = 1'-0"

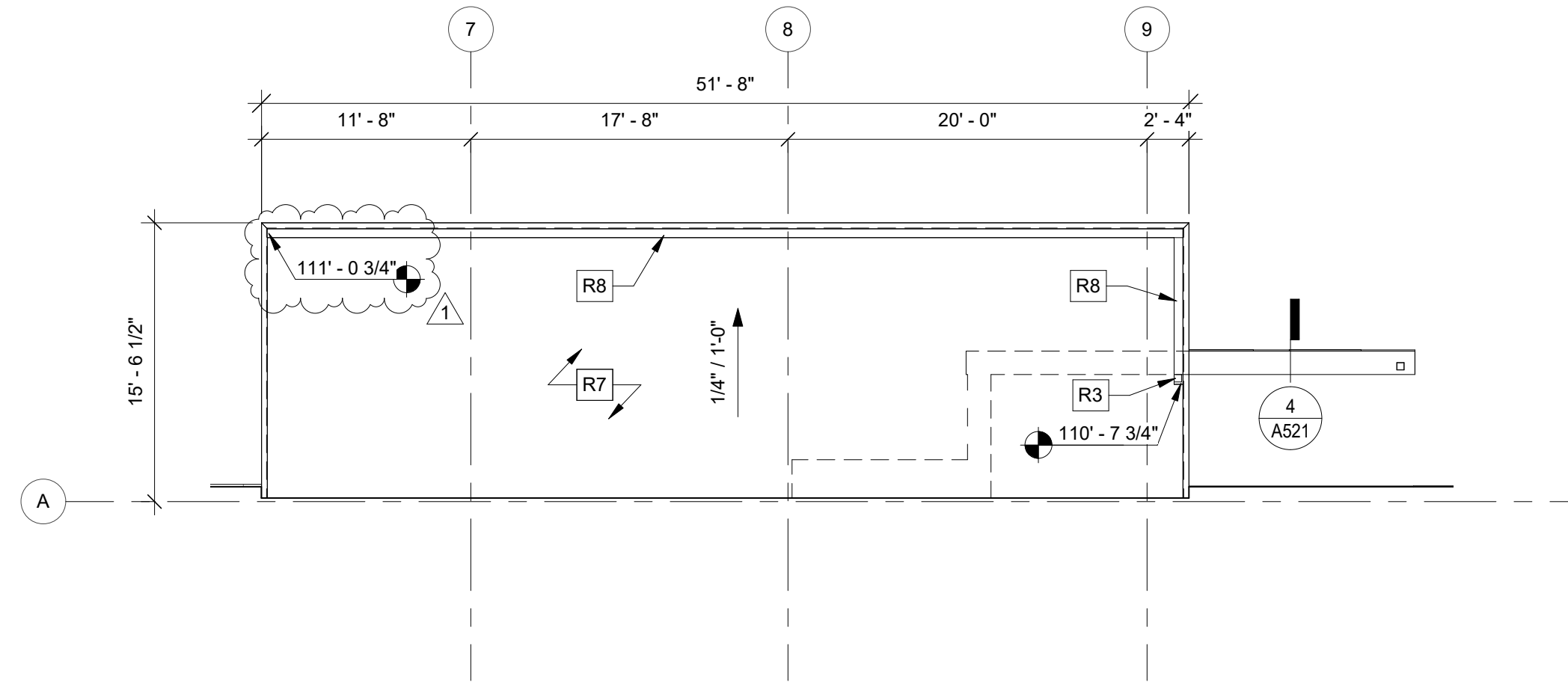
MARK	DATE	DESCRIPTION
1	04-23-21	BID SET

GENERAL NOTES - ROOF

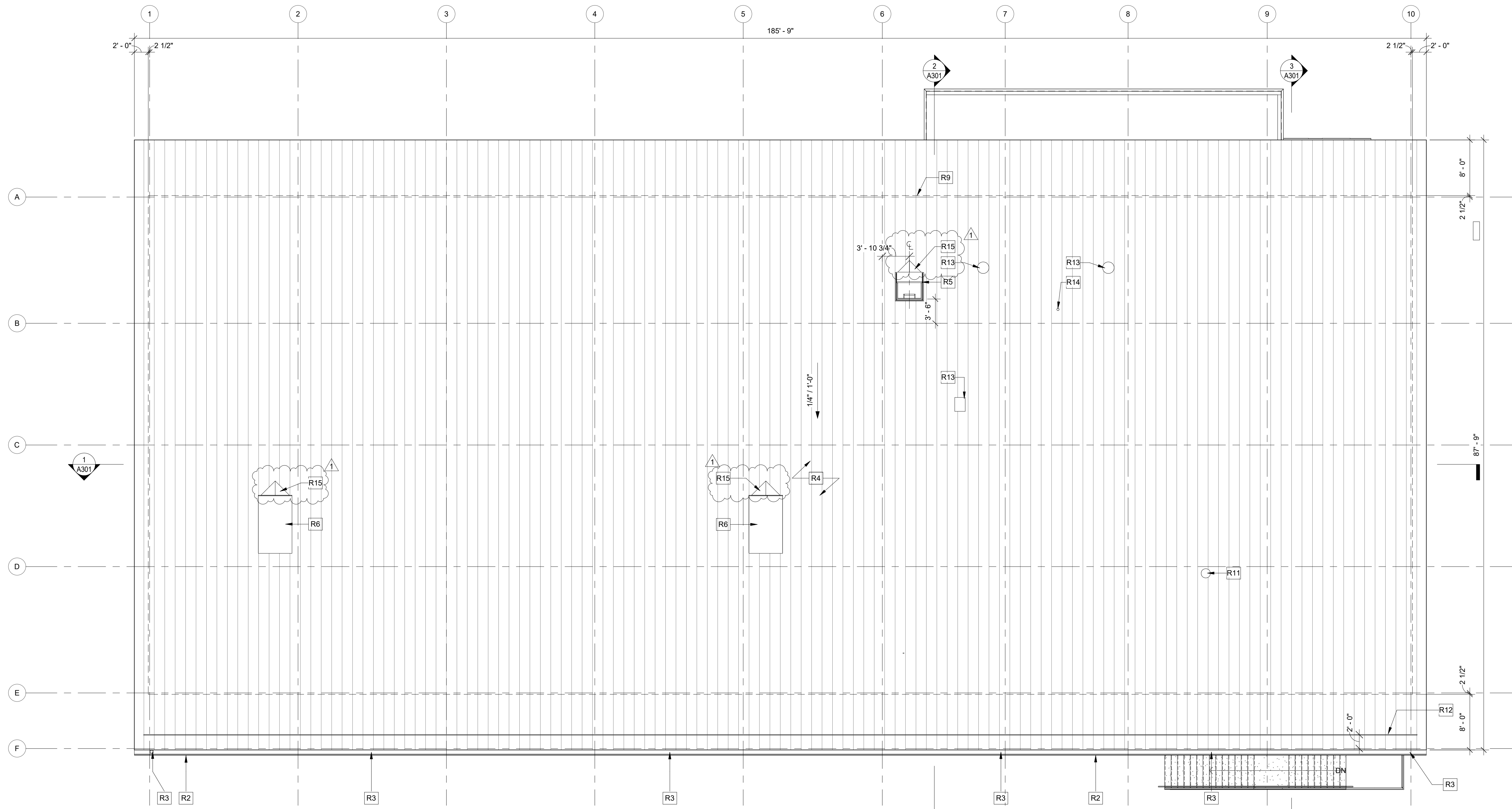
- CONTRACTOR SHALL SUBMIT ROOF PENETRATION LAYOUT PLAN TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO EXECUTION OF WORK. ALIGN AND CONSOLIDATE ROOF PENETRATIONS WHEREVER POSSIBLE AND ALLOWABLE BY APPLICABLE BUILDING CODES.

LEGEND - KEYNOTES

Key Value	Keynote Text
R2	7" X 7" PREFINISHED METAL GUTTER (13 3419)
R3	5" X 5" PREFINISHED METAL DOWNSPOUT (07 6200)
R4	STANDING SEAM METAL ROOF (13 3419)
R5	ROOF ACCESS HATCH ON INSULATED CURB (07 7200)
R6	ROOF TOP UNIT AND INSULATED CURB WITH VIBRATION ISOLATION (RE: MECH)
R7	EPDM ROOF, FULLY ADHERED (07 5300)
R8	INTERNAL EPDM GUTTER, SLOPE TO DRAIN AT EAST DOWNSPOUT (07 5300)
R9	EXTERIOR WALL, DASHED BELOW
R11	EXHAUST FAN (RE: MEP)
R12	SNOW GUARD (07 7200)
R13	ROOF VENT AND CURB (RE: MEP)
R14	PLUMBING VENT (RE: MEP)
R15	CRICKET AT MECH UNIT/HATCH CURB, TYP (13 3419)



2 ROOF PLAN - LOWER ENTRY ROOF
A141/ 1/8" = 1'-0"



1 ROOF PLAN
A141/ 1/8" = 1'-0"



MARK	DATE	DESCRIPTION
1	04-23-21	BID SET

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ISSUE DATE: 04/05/21
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ROOF PLAN

D

C

B

A

ROOM FINISH AND MATERIALS LEGEND					
SC-1	SEALED CONCRETE TYPE - 1	033511	PL-1	PLASTIC LAMINATE TYPE - 1	064100
	MANUFACTURER: PROSOCO PRODUCT: CONSOLDECK LS REFERENCE SPECIFICATION			MANUFACTURER: FORMICA COLOR: 463 - PX SAIL WHITE FINISH: FLEX FINISH PVC EDGE BANDING TO MATCH	
T-1	TILE TYPE - 1	093000	PL-2	PLASTIC LAMINATE TYPE - 2	064100
	MANUFACTURER: CAESAR STONE STYLE: BUILT, COLOR: YARD, SIZE: 12"x24" GROUT: TEC SPECIALTY POWERGROUT, GROUT COLOR: 939 MIST PROVIDE SCHLUTER DILEX AT TRANSITION BTW FLOOR & WALL TILE			MANUFACTURER: FORMICA COLOR: 8552-NG BLACK BIRCHPLY FINISH: NATURAL GRAIN PVC EDGE BANDING TO MATCH	
T-2	TILE TYPE - 2	093000	CPT-1	TILE CARPETING TYPE - 1	096813
	MANUFACTURER: WOW, STYLE: CANALE COLORS: GRAPHITE MATT(10%), ICE WHITE MATTE (80%), ASH GRAY MATT (10%), SIZE: 5'X5', GROUT: TEC SPECIALTY POWDERGROUT, GROUT COLOR: 910 BRIGHT WHITE			MANUFACTURER: BENTLEY MILLS STYLE: ROUGH IDEA COLOR: FRAMEWORK 800657, SIZE: 24" X 24" INSTALLATION: MONOLITHIC	
T-3	TILE TYPE - 3	093000	CPT-2	TILE CARPETING TYPE - 2	096813
	MANUFACTURER: DAL TILE, STYLE: COLOR WHEEL COLLECTION - LINEAR, COLOR: ARCTIC WHITE 0790 MATTE, SIZE: 8'X24", GROUT: TEC SPECIALTY POWDERGROUT, GROUT COLOR: 910 BRIGHT WHITE, PROVIDE SCHLUTER JOLLY AT OUTSIDE CORNERS, TYPICAL.			MANUFACTURER: BENTLEY MILLS STYLE: ROUGH IDEA COLOR: BENEVOLENT 801787, SIZE: 24" X 24" INSTALLATION: ASHLAR	
T-4	TILE TYPE - 4	093000	P-1	PAINT COLOR TYPE - 1	099123
	MANUFACTURER: CROSSVILLE SERIES: LAMNAM, COLOR: CALCE NERO SIZE: 1X3 (M) PANEL, GROUT: TEC SPECIALTY POWER GROUT, GROUT COLOR: 941 RAVEN, LOCATION: FIREPLACE & SHOWER WALLS			SHERWIN WILLIAMS SW7004 SNOWBOUND WALLS: EGGSHELL, CEILINGS: MATTE	
T-5	TILE TYPE - 5	093000	P-2	PAINT COLOR TYPE - 2	099123
	MANUFACTURER: AMERICAN OLEAN SERIES: THEORETICAL, COLOR: IMAGINATIVE GRAY SIZE: 2X2 MOSAIC, GROUT: TEC SPECIALTY POWER GROUT, GROUT COLOR: 941 RAVEN, LOCATION: SHOWER FLOORS			SHERWIN WILLIAMS SW7069 IRON ORE WALLS: EGGSHELL, CEILINGS: MATTE	
ACT-1	ACOUSTICAL CEILING TYPE - 1	095100	P-3	PAINT COLOR TYPE - 3	099123
	MANUFACTURER: ARMSTRONG STYLE: 1774HRC DUNE, SIZE: 24" X 24" X 5/8" EDGE: 15/16" ANGLED REGULAR, COLOR: WHITE GRID: 15/16" PRELUDE HRC			SHERWIN WILLIAMS SW6117 SMOKEY TOPAZ WALLS: EGGSHELL, CEILINGS: MATTE	
ACT-2	ACOUSTICAL CEILING TYPE - 2	095100	P-4	PAINT COLOR TYPE - 4	099123
	MANUFACTURER: ARMSTRONG STYLE: 1774HRC DUNE, SIZE: 48" X 48" X 5/8" EDGE: 15/16" ANGLED REGULAR, COLOR: WHITE GRID: 15/16" PRELUDE HRC			SHERWIN WILLIAMS SW6117 SMOKEY TOPAZ GRAY WALLS: EGGSHELL, CEILINGS: MATTE	
ACT-3	ACOUSTICAL CEILING TYPE - 3	095100	P-5	PAINT COLOR TYPE - 5	099123
	ARMSTRONG STYLE: CERAMAGUARD SIZE: 24" X 24" GRID: 15/16" GRID			SHERWIN WILLIAMS SW6264 MIDNIGHT WALLS: EGGSHELL, CEILINGS: MATTE	
SP-1	SOUND PANEL TYPE - 1	098430	HPC-1	HIGH PERFORMANCE PAINT TYPE - 1	099600
	MANUFACTURER: ARKTURA STYLE: SOFT GRID WAVE COLOR: MARBLE (COLOR GROUP A) THICKNESS: 12MM			LOCATION: EXTERIOR PAINTING, RESTROOM WALLS, GUARDRAILS PAINT COLOR TO MATCH SHERWIN WILLIAMS P-1 UNLESS NOTED OTHERWISE ON FINISH PLANS OR INTERIOR ELEVATIONS	
SP-2	SOUND PANEL TYPE - 2	098430	TC-1	TOILET COMPARTMENT TYPE - 1	102113
	MANUFACTURER: ARMSTRONG STYLE: TECTUM (BAFFLES) COLOR: PAINTED IN FIELD P-1 THICKNESS: 2 INCH			MANUFACTURER: ASI PARTITIONS MATERIAL: HDPE, COLOR: WHITE MOUNTING: FLOOR MOUNTED MUST PASS NFPA 286	
SP-3	SOUND PANEL TYPE - 3	098430	WP-1	WALL PADS TYPE - 1	116623
	MANUFACTURER: G&S ACOUSTI-PANEL THICKNESS: 2 INCH FABRIC WRAP: CARNEGIE XOREL, FLUX 6557 90 SIZE: REF INTERIOR ELEVATIONS			MANUFACTURER: PORTER COLOR: 07 PURPLE 2" URETHANE FOAM FILLER SIZE: 2'X6'	
RAF-1	RESILIENT ATHLETIC FLOOR TYPE - 1	096566	QA-1	QUARTZ TYPE - 1	123600
	ALTERNATE NO. 02, SEE 01 2300 MANUFACTURER: MONDO STYLE: ADVANCE NEW GENERATION, THICKNESS: 10 MM SIZE: 29'-6" X 6'-11" ROLLGOODS, COLOR: L62 SAND LOCATION: GYMNASIUM			MANUFACTURER: WILSONART COLOR: ENCHANTED ROCK Q4041 THICKNESS: 3 CM EDGE: EASED	
RAF-2	RESILIENT ATHLETIC FLOOR TYPE - 2	096566	QA-2	QUARTZ TYPE - 2	123600
	ALTERNATE NO. 02, SEE 01 2300 MANUFACTURER: MONDO STYLE: MONDORUN, THICKNESS: 10.5MM SIZE: 4' X 49'-2" ROLLGOODS, COLOR: P115 COURT PURPLE LOCATION: TRACK			MANUFACTURER: CAMBRIA COLOR: WINTERBOURNE THICKNESS: 3 CM EDGE: EASED	
RAF-3	RESILIENT ATHLETIC FLOOR TYPE - 3	096566	SM-1	SOLID-SURFACE MATERIAL TYPE - 1	123600
	ALTERNATE NO. 02, SEE 01 2300 MANUFACTURER: MONDO STYLE: MONDORUN, THICKNESS: 10.5MM SIZE: 4' X 49'-2" ROLLGOODS, COLOR: P110 PURE PLATINUM LOCATION: TRACK			MANUFACTURER: FORMICA COLOR: LUNA CONCRETE THICKNESS: 1/2 INCH EDGE: EASED	
RAF-4	RESILIENT ATHLETIC FLOOR TYPE - 4	096566	S-1	ROLLER SHADES TYPE - 1	122400
	ALTERNATE NO. 02, SEE 01 2300 MANUFACTURER: MONDO STYLE: SPORT IMPACT, THICKNESS: 10 MM SIZE: 9M X 186 CM ROLLGOODS, COLOR: S018 DARK GREY LOCATION: WEIGHT AREA			SINGLE ROLLER MANUAL WINDOW SHADES MANUFACTURER: MECO SHADE SHADE CLOTH TYPE 1: 3% OPENNESS, FABRIC COLOR: SOHO - GRAND	
RTF-1	RESILIENT TILE FLOORING TYPE - 1	096500	S-2	ROLLER SHADES TYPE - 2	122400
	MANUFACTURER: SHAW CONTRACT GROUP STYLE: INLET, COLOR: REFUGE 29155, SIZE: 9' X 48" PLANKS CONSTRUCTION: 5MM 20MIL LOOSE LAY INSTALLATION: ASHLAR			DUAL ROLLER MOTORIZED WINDOW SHADES MANUFACTURER: MECO SHADE SHADE CLOTH TYPE 1: 3% OPENNESS, FABRIC COLOR: SOHO - GRAND SHADE CLOTH TYPE 2: 0% OPENNESS, FABRIC COLOR: EQUINOX BLACK OUT - GRANITE	
RTF-2	RESILIENT TILE FLOORING TYPE - 2	096500	S-3	ROLLER SHADES TYPE - 3	122400
	MANUFACTURER: NORA - NORAMENT STYLE: ARAGO, COLOR: COMFORT, SIZE: 20"X40" CONSTRUCTION: 3.5MM INSTALLATION: MONOLITHIC			SINGLE ROLLER MOTORIZED WINDOW SHADES MANUFACTURER: MECO SHADE SHADE CLOTH TYPE 1: 3% OPENNESS, FABRIC COLOR: SOHO - GRAND	
RTF-3	RESILIENT TILE FLOORING TYPE - 3	096500	OP-1	OPERABLE PARTITION TYPE - 1	102239
	MANUFACTURER: NORA - NORAMENT STYLE: ARAGO, COLOR: BALANCE, SIZE: 20"X40" CONSTRUCTION: 3.5MM INSTALLATION: HERRINGBONE			ALTERNATE NO. 03, SEE 01 2300 HUPCOR SERIES 632 FABRIC MANUFACTURER: CARNEGIE XOREL, STYLE: FLUX 6557, COLOR: 90	
RTF-4	RESILIENT TILE FLOORING TYPE - 4	096500	F-1	FABRIC TYPE - 1	
	MANUFACTURER: NORA - NORAMENT STAIRTREADS STYLE: SATURA COLOR: HERCULES LOCATION: AT STAIR TREADS, RISERS AND LANDING			MANUFACTURER: CARNEGIE XOREL STYLE: METEOR 6427, COLOR: 749 BACKING: X PROTECT 511 LOCATION: BENCH UPHOLSTERY	
RB-1	RESILIENT BASE TYPE - 1	096500	MB-1	MARKERBOARD TYPE - 1	101100
	MANUFACTURER: TARKETT / JOHNSONITE STYLE: REVEAL MW-XXF HEIGHT: 4 1/4" COLOR: 82 BLACK PEARL			MANUFACTURER: CLARUS, STYLE: FLOAT TYPE: MAGNETIC BACK PAINTED GLASS MARKERBOARD SIZE: REFERENCE INTERIOR ELEVATIONS COLOR: WHITE	
RB-2	RESILIENT BASE TYPE - 2	096500	ELEVATOR FINISHES		142100
	MANUFACTURER: TARKETT / JOHNSONITE STYLE: BASEWORKS THERMOSET RUBBER (TYPE TS) HEIGHT: 4" TOE COLOR: 82 BLACK PEARL		FLOOR: RAF-4, WALLS: STAINLESS STEEL RAILING: PAINTED P-2 CEILING: STAINLESS STEEL DOORS & FRAME: STAINLESS STEEL		
CG-1	CORNER GUARD TYPE - 1	102600			
	PLASTIC POLYCARBONATE HEIGHT: 48 INCHES REFERENCE SPECIFICATIONS				
WD-1	WOOD TYPE - 1	064100			
	MANUFACTURER: TERRA MAI SPECIES: MISSION WHITE OAK, TONGUE & GROOVE PROFILE WITH MICRO BEVEL, END MATCHED, SIZE: 1/2" THICK, 4 1/2" WIDE, 1'-7" LENGTHS, FINISH: MATTE NATURAL CLEAR OIL				
WD-2	WOOD TYPE - 2	062000			
	SPECIES: QUARTERSAWN WHITE OAK MILLING: S4S FINISH: MATTE CLEAR COAT, TINT AS REQUIRED TO MATCH WD-1				
FRP-1	FIBER REINFORCED PANEL - 1	068316			
	MANUFACTURER: MARLITE STANDARD FRP WITH FEBBLED SURFACE COLOR: P 100 WHITE CLASS A INSTALL FROM BOTTOM OF FLOOR TO TOP OF CEILING				

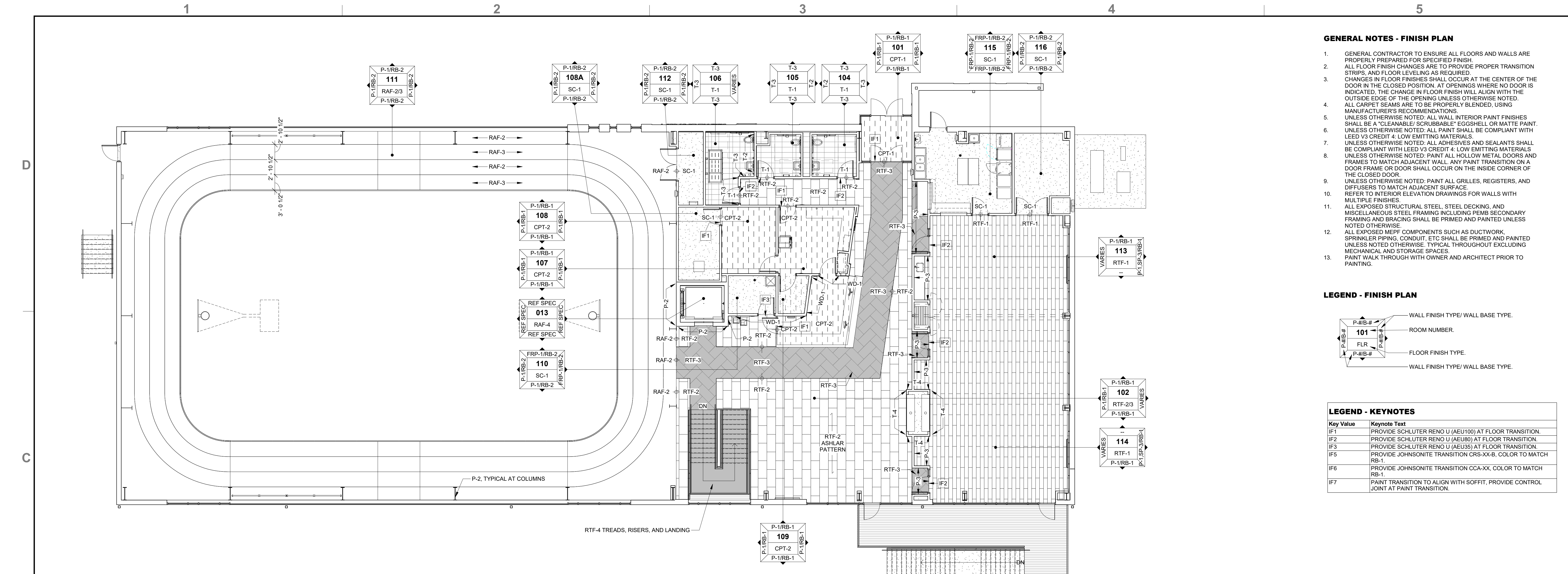


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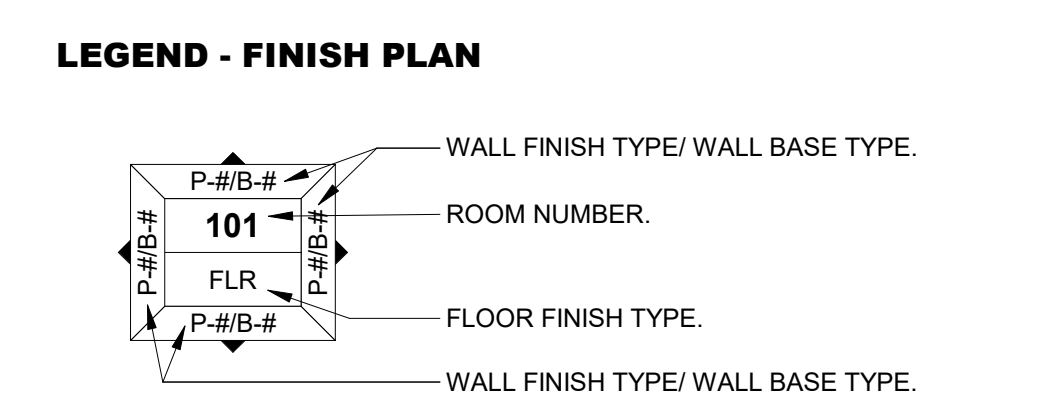
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**FINISH LEGEND
 AND SCHEDULE**

A150



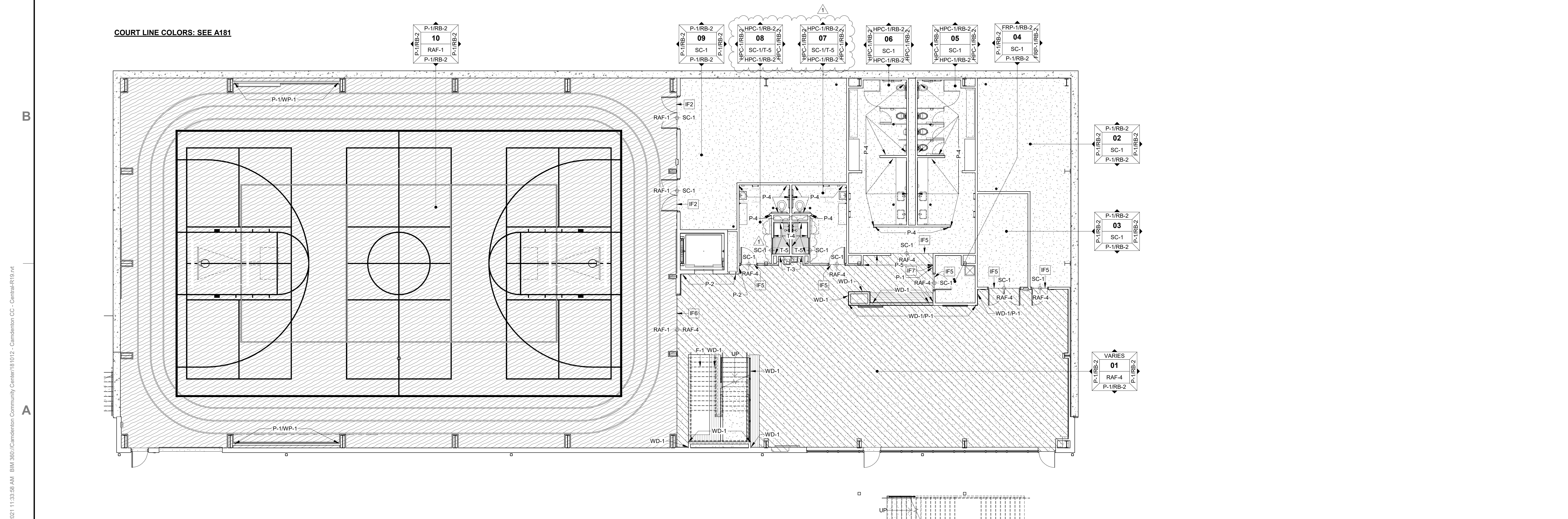
2 FINISH PLAN - MAIN LEVEL
A151/ 1/8" = 1'-0"

- GENERAL NOTES - FINISH PLAN**
- GENERAL CONTRACTOR TO ENSURE ALL FLOORS AND WALLS ARE PROPERLY PREPARED FOR SPECIFIED FINISH.
 - ALL FLOOR FINISH CHANGES ARE TO PROVIDE PROPER TRANSITION STRIPS, AND FLOOR LEVELING AS REQUIRED.
 - CHANGES IN FLOOR FINISHES SHALL OCCUR AT THE CENTER OF THE DOOR IN THE CLOSED POSITION, AT OPENINGS WHERE NO DOOR IS INDICATED, THE CHANGE IN FLOOR FINISH WILL ALIGN WITH THE OUTSIDE EDGE OF THE OPENING UNLESS OTHERWISE NOTED.
 - ALL CARPET SEAMS ARE TO BE PROPERLY BLENDED, USING MANUFACTURER'S RECOMMENDATIONS.
 - UNLESS OTHERWISE NOTED, ALL WALL INTERIOR PAINT FINISHES SHALL BE A "CLEANABLE/ SCRUBBABLE" EGGSHELL OR MATTE PAINT.
 - UNLESS OTHERWISE NOTED, ALL PAINT SHALL BE COMPLIANT WITH LEED V3 CREDIT 4 LOW EMITTING MATERIALS.
 - UNLESS OTHERWISE NOTED, ALL ADHESIVES AND SEALANTS SHALL BE COMPLIANT WITH LEED V3 CREDIT 4 LOW EMITTING MATERIALS.
 - UNLESS OTHERWISE NOTED, PAINT ALL HOLLOW METAL DOORS AND FRAMES TO MATCH ADJACENT WALL. ANY PAINT TRANSITION ON A DOOR FRAME OR DOOR SHALL OCCUR ON THE INSIDE CORNER OF THE CLOSED DOOR.
 - UNLESS OTHERWISE NOTED, PAINT ALL GRILLES, REGISTERS, AND DIFFUSERS TO MATCH ADJACENT SURFACE.
 - REFER TO INTERIOR ELEVATION DRAWINGS FOR WALLS WITH MULTIPLE FINISHES.
 - ALL EXPOSED STRUCTURAL STEEL, STEEL DECKING, AND MISCELLANEOUS STEEL FRAMING INCLUDING PEMB SECONDARY FRAMING AND BRACING SHALL BE PRIMED AND PAINTED UNLESS NOTED OTHERWISE.
 - ALL EXPOSED MEPP COMPONENTS SUCH AS DUCTWORK, SPRINKLER PIPING, CONDUIT, ETC SHALL BE PRIMED AND PAINTED UNLESS NOTED OTHERWISE. TYPICAL THROUGHOUT EXCLUDING MECHANICAL AND STORAGE SPACES.
 - PAINT WALK THROUGH WITH OWNER AND ARCHITECT PRIOR TO PAINTING.



LEGEND - KEYNOTES

Key Value	Keynote Text
IF1	PROVIDE SCHLUTER RENO U (AEU100) AT FLOOR TRANSITION.
IF2	PROVIDE SCHLUTER RENO U (AEU80) AT FLOOR TRANSITION.
IF3	PROVIDE SCHLUTER RENO U (AEU35) AT FLOOR TRANSITION.
IF5	PROVIDE JOHNSONITE TRANSITION CRS-XX-B, COLOR TO MATCH RB-1.
IF6	PROVIDE JOHNSONITE TRANSITION CCA-XX, COLOR TO MATCH RB-1.
IF7	PAINT TRANSITION TO ALIGN WITH SOFFIT, PROVIDE CONTROL JOINT AT PAINT TRANSITION.



1 FINISH PLAN - COURT LEVEL
A151/ 1/8" = 1'-0"

COURT LINE COLORS: SEE A181

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913.241.1237 MISSOURI ARCHITECT

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FINISH PLANS
A151

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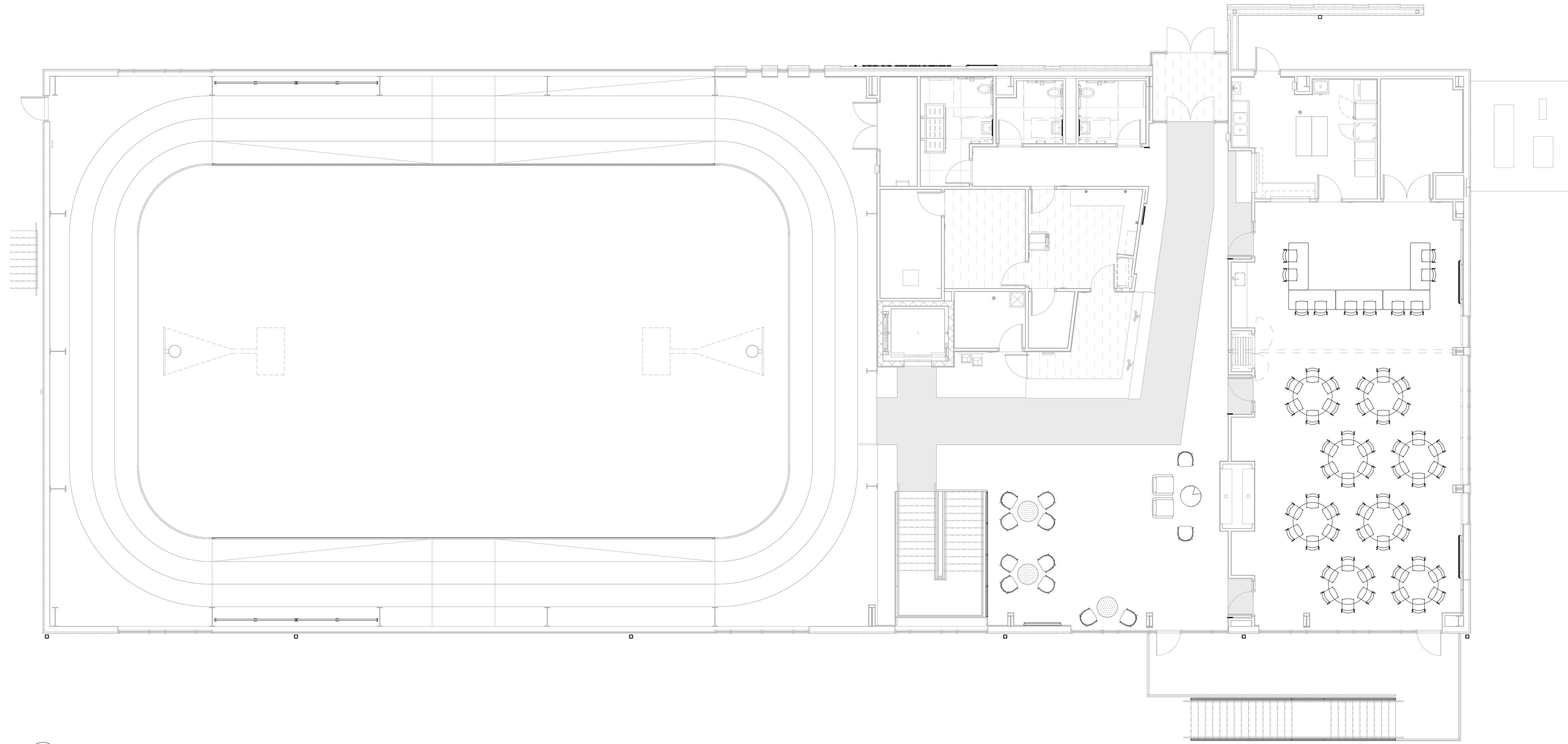
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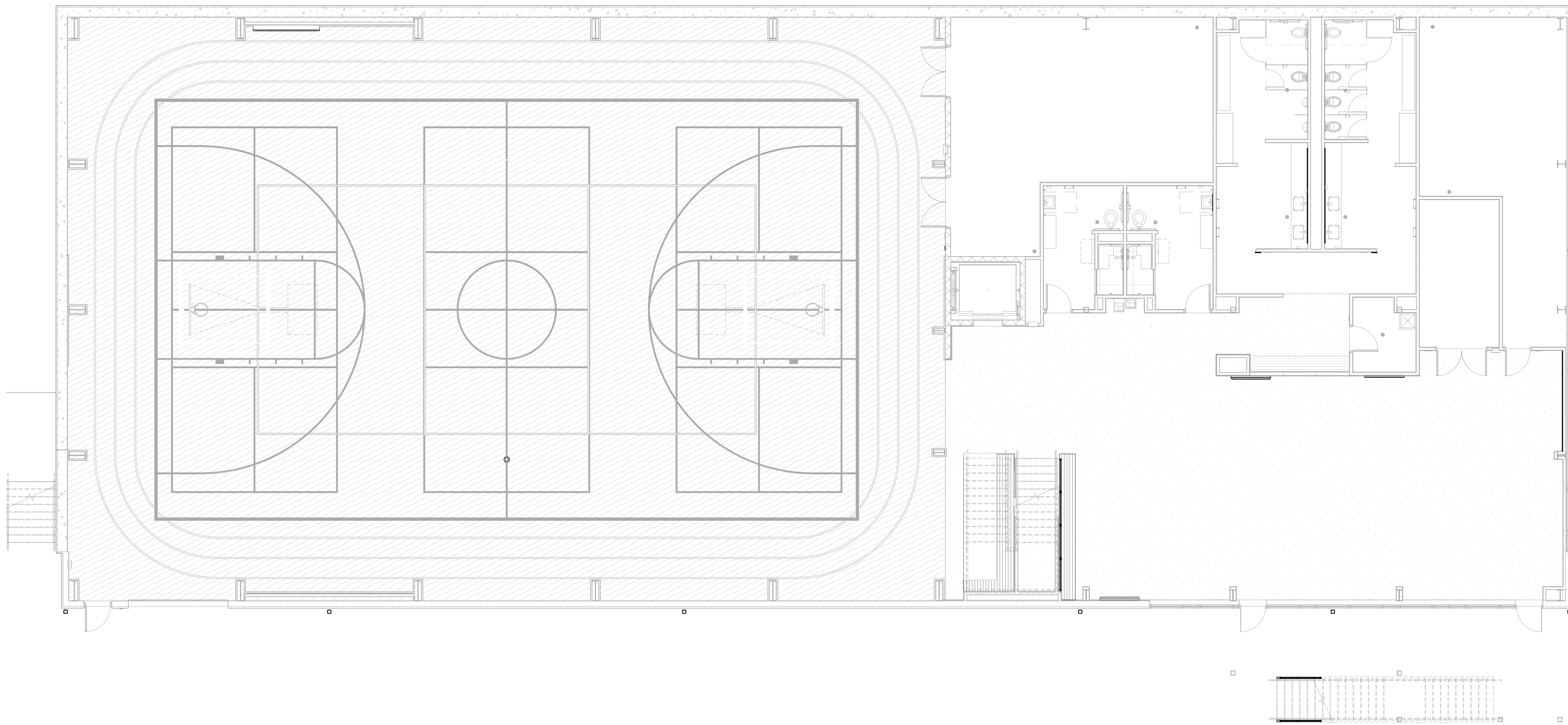
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B

A



2 FURNITURE PLAN - MAIN LEVEL (FOR REFERENCE ONLY)
A161/ 1/8" = 1'-0"



1 FURNITURE PLAN - COURT LEVEL (FOR REFERENCE ONLY)
A161/ 1/8" = 1'-0"

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FURNITURE PLAN
- FOR
REFERENCE
ONLY

A161

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4

5

D

C

B

A

LEGEND - KEYNOTES	
Key Value	Keynote Text
A5	PORTABLE VOLLEYBALL STANDARDS (11 6623)
A6	CEILING MOUNTED BACKSTOP (11 6623)
A7	GYM EQUIPMENT CONTROL PAD (11 6623)
A8	SCOREBOARD PROVIDE FURRING BETWEEN SECONDARY MEMBERS OF EXT. WALL FOR INSTALLATION OF SCOREBOARD, TYP (11 6623)
A10	COLUMN MOUNTED WALL PAD, PROVIDE SUPPORT FRAMING IN WEB OF COLUMN FOR ATTACHMENT (11 6623)
A11	WALL MOUNTED WALL PAD (11 6623)
A25	WHERE OUTLETS ARE INDICATED AT COLUMNS, PROVIDE OPENING IN SIDE OF COLUMN PADGING FOR OUTLET (REG. ELEC)
SE2	SLEEVE FOR VOLLEYBALL, COORDINATE DIMENSIONS WITH EQUIPMENT MFR (11 6623)

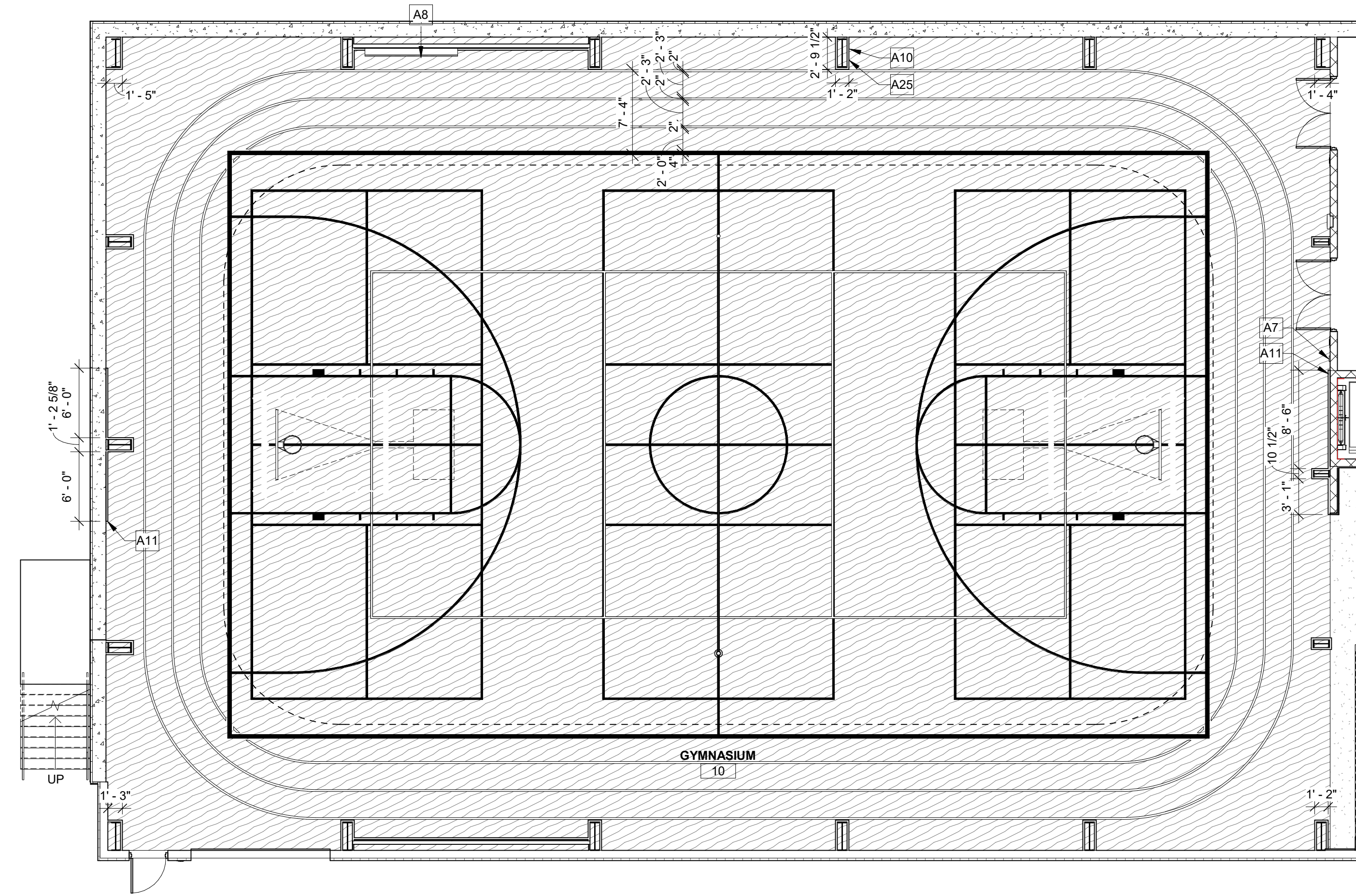
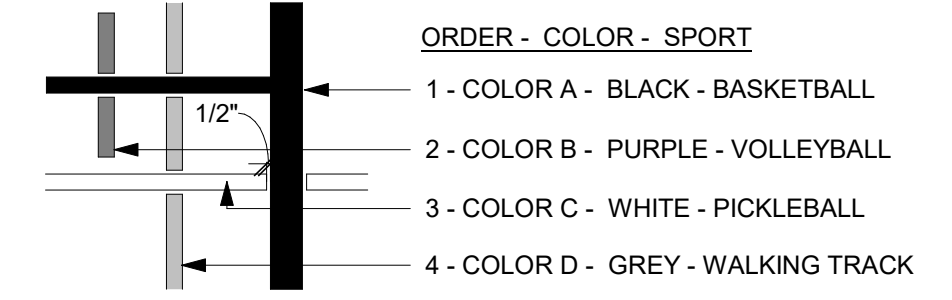
GENERAL NOTES - COURT LINE DIMENSION PLANS

- SUBMIT MARKING PLAN AND COLOR OPTIONS FOR ALL COURTS FOR APPROVAL PRIOR TO GYM FLOOR INSTALLATION.
- NOTIFY ARCHITECT OF ANY DISCREPANCY OF MARKING GAME LINES WITH ACCEPTED RULES AND REGULATIONS OF APPLICABLE SPORTS.
- COORDINATE SLEEVE LOCATIONS WITH VOLLEYBALL STANDARDS MANUFACTURER'S REQUIREMENTS

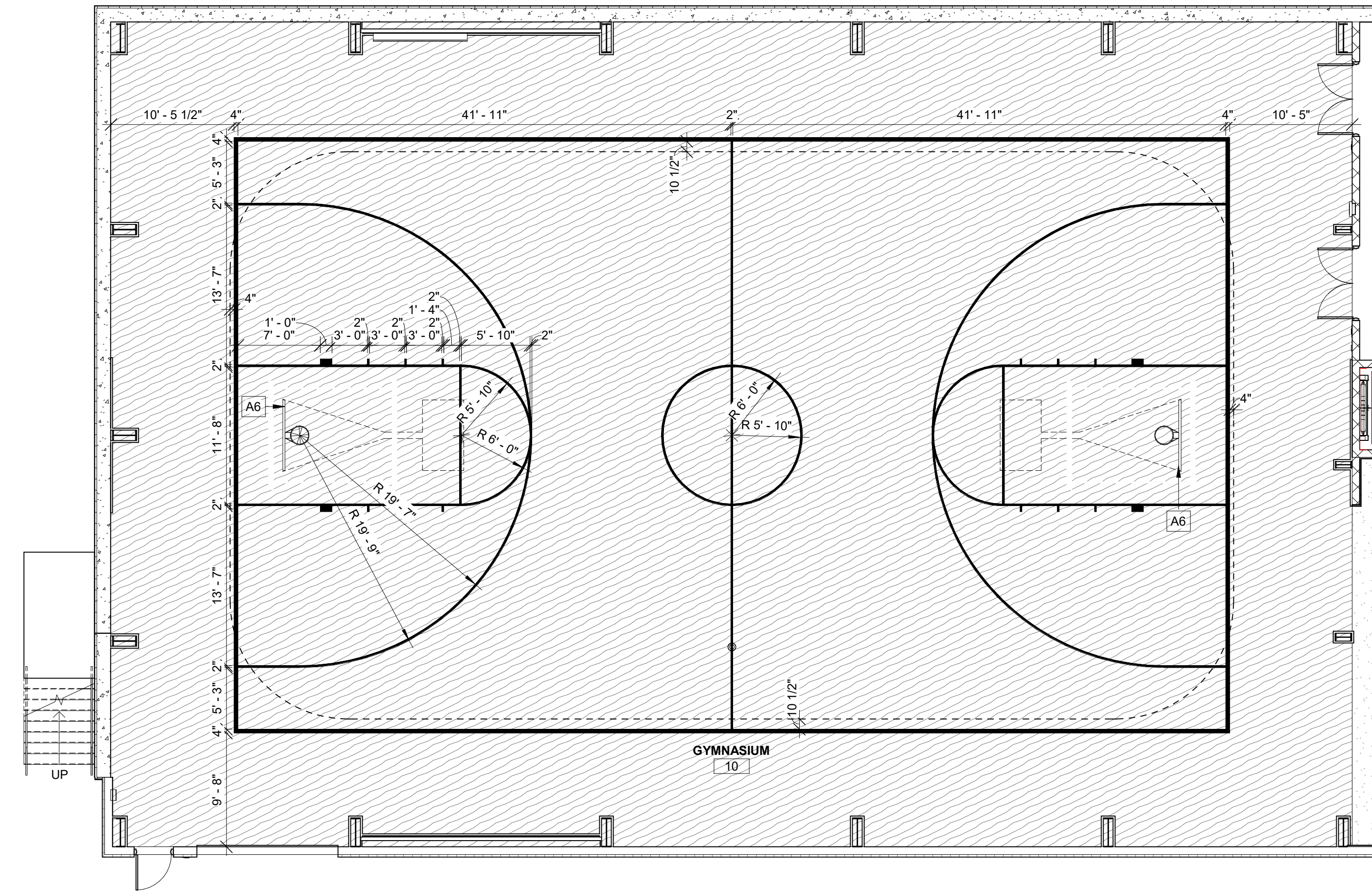
COURT STRIPING HIERARCHY & COLOR

COURT STRIPING HIERARCHY INDICATES MAIN STRIPING IS BASKETBALL. VOLLEYBALL IS TO BE NEXT AND THEN PICKLEBALL. WHERE LINES INTERSECT, PROVIDE 1/2" GAP IN STRIPING WITH HIGHER ORDER NUMBER.

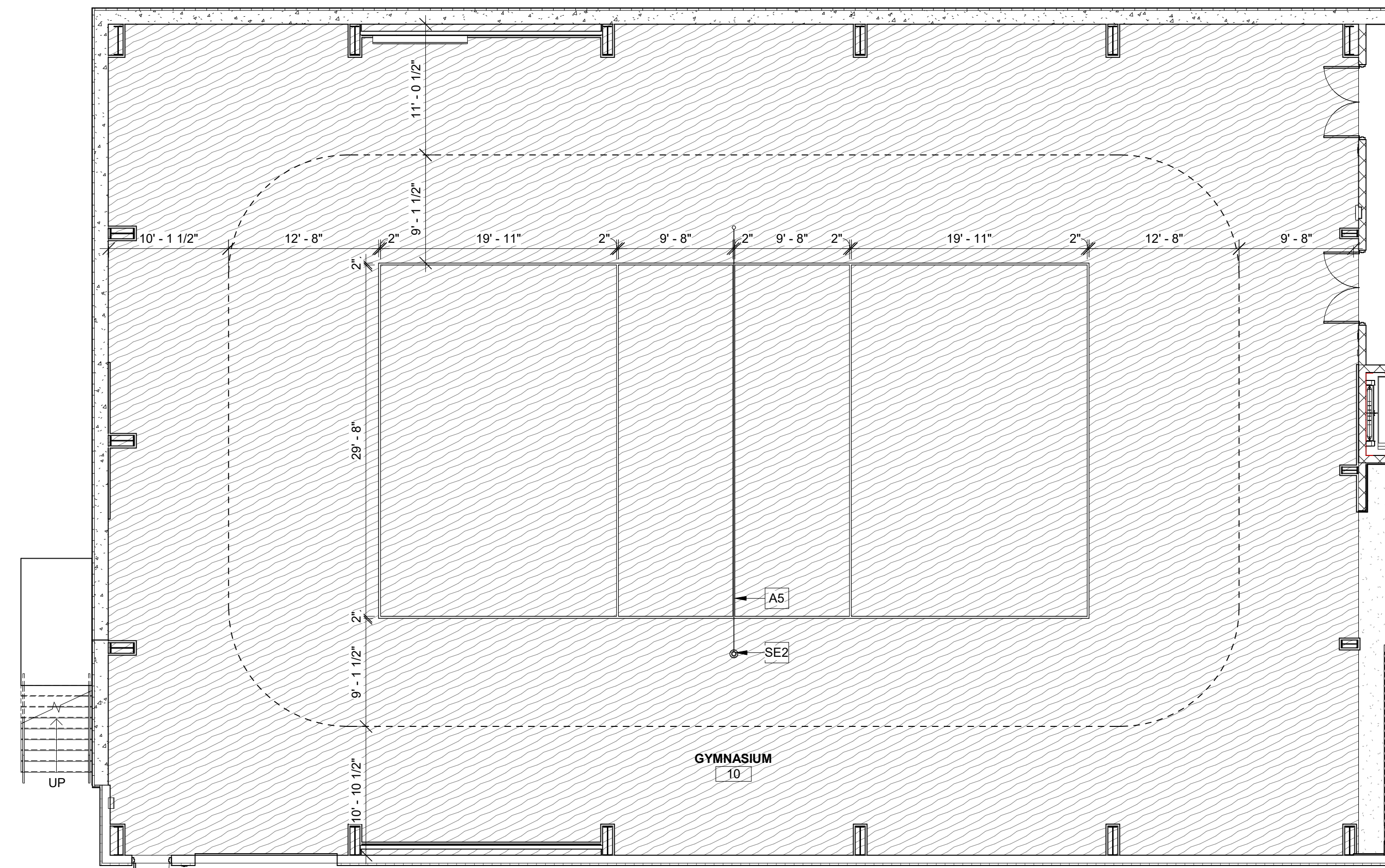
I.E. WHERE VOLLEYBALL INTERSECTS WITH BASKETBALL, PROVIDE GAP IN VOLLEYBALL STRIPING 1/2" ON EITHER SIDE OF BASKETBALL STRIPING.



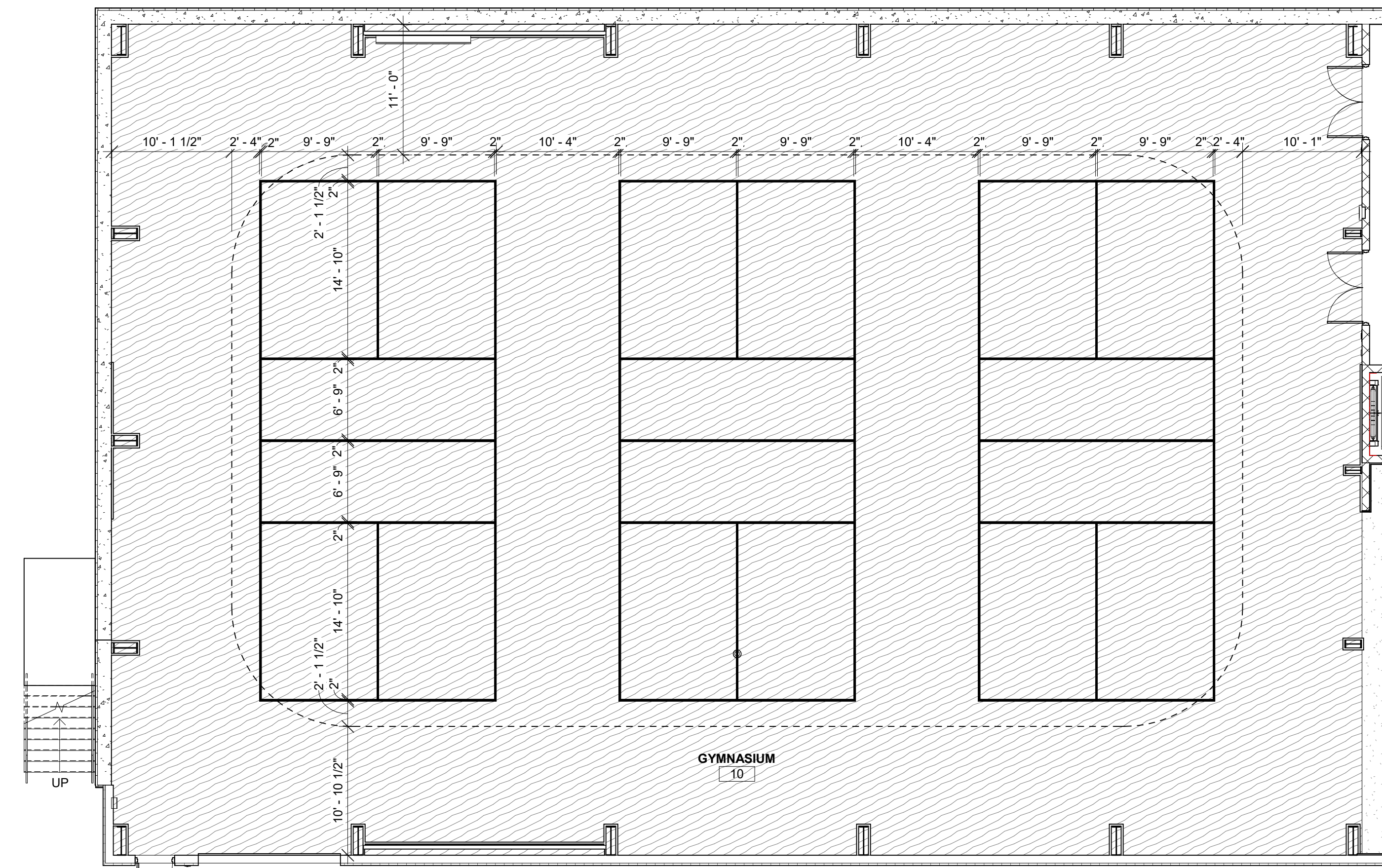
4 FLOOR PLAN - COURT LINE PLAN OVERALL
A181/ 1/8" = 1'-0"



3 FLOOR PLAN - COURT LINE PLAN BASKETBALL
A181/ 1/8" = 1'-0"



2 FLOOR PLAN - COURT LINE PLAN VOLLEYBALL
A181/ 1/8" = 1'-0"



1 FLOOR PLAN - COURT LINE PLAN PICKLEBALL
A181/ 1/8" = 1'-0"



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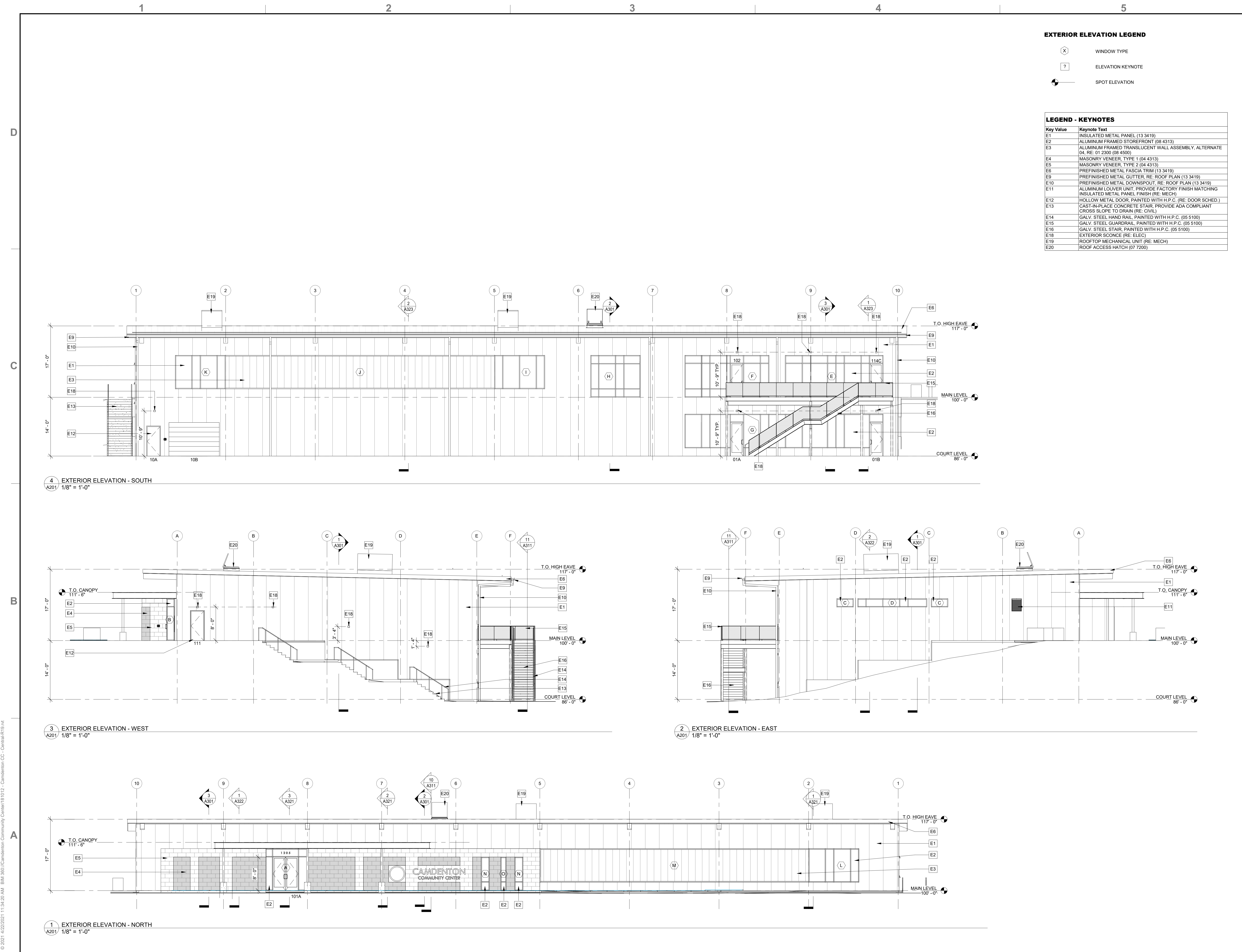


EXTERIOR ELEVATION LEGEND

- X WINDOW TYPE
- ? ELEVATION KEYNOTE
- SPOT ELEVATION

LEGEND - KEYNOTES

Key Value	Keynote Text
E1	INSULATED METAL PANEL (13 3419)
E2	ALUMINUM FRAMED STOREFRONT (08 4313)
E3	ALUMINUM FRAMED TRANSLUCENT WALL ASSEMBLY, ALTERNATE 04, RE: 01 2300 (08 4500)
E4	MASONRY VENEER, TYPE 1 (04 4313)
E5	MASONRY VENEER, TYPE 2 (04 4313)
E6	PREFINISHED METAL FASCIA TRIM (13 3419)
E9	PREFINISHED METAL GUTTER, RE: ROOF PLAN (13 3419)
E10	PREFINISHED METAL DOWNSPOUT, RE: ROOF PLAN (13 3419)
E11	ALUMINUM LOUVER UNIT, PROVIDE FACTORY FINISH MATCHING INSULATED METAL PANEL FINISH (RE: MECH)
E12	HOLLOW METAL DOOR, PAINTED WITH H.P.C. (RE: DOOR SCHED.)
E13	CAST-IN-PLACE CONCRETE STAIR, PROVIDE ADA COMPLIANT CROSS SLOPE TO DRAIN (RE: CIVIL)
E14	GALV. STEEL HAND RAIL, PAINTED WITH H.P.C. (05 5100)
E15	GALV. STEEL GUARDRAIL, PAINTED WITH H.P.C. (05 5100)
E16	GALV. STEEL STAIR, PAINTED WITH H.P.C. (05 5100)
E18	EXTERIOR SCIENCE (RE: ELEC)
E19	ROOFTOP MECHANICAL UNIT (RE: MECH)
E20	ROOF ACCESS HATCH (07 7200)



4 EXTERIOR ELEVATION - SOUTH
 A201/ 1/8" = 1'-0"

3 EXTERIOR ELEVATION - WEST
 A201/ 1/8" = 1'-0"

2 EXTERIOR ELEVATION - EAST
 A201/ 1/8" = 1'-0"

1 EXTERIOR ELEVATION - NORTH
 A201/ 1/8" = 1'-0"

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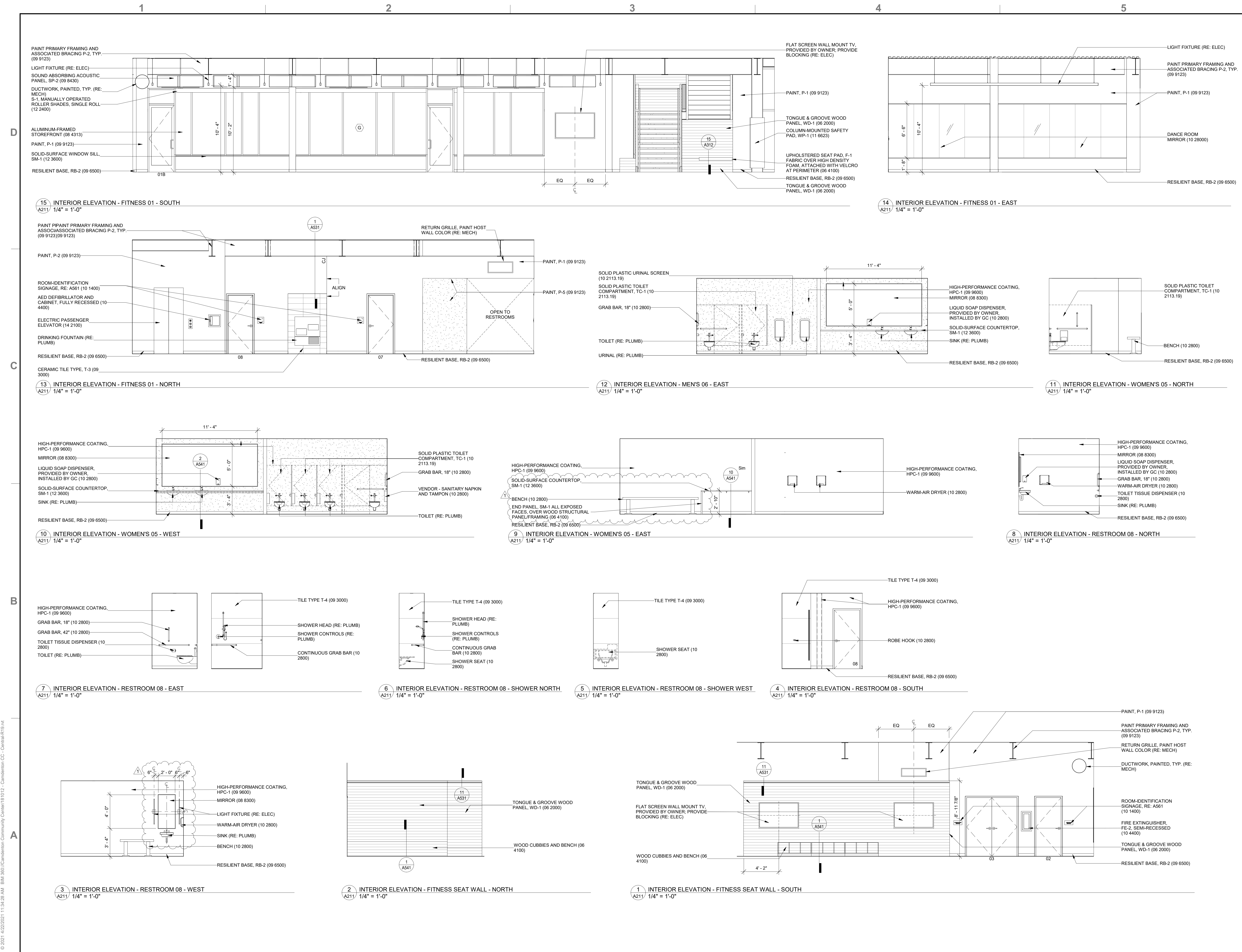
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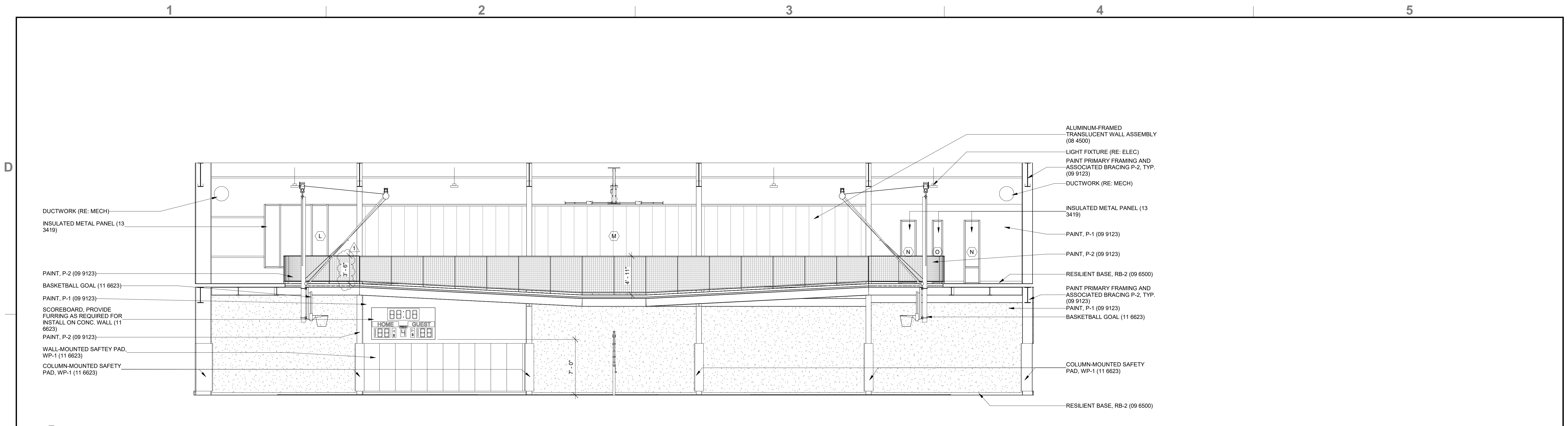
EXTERIOR ELEVATIONS
A201

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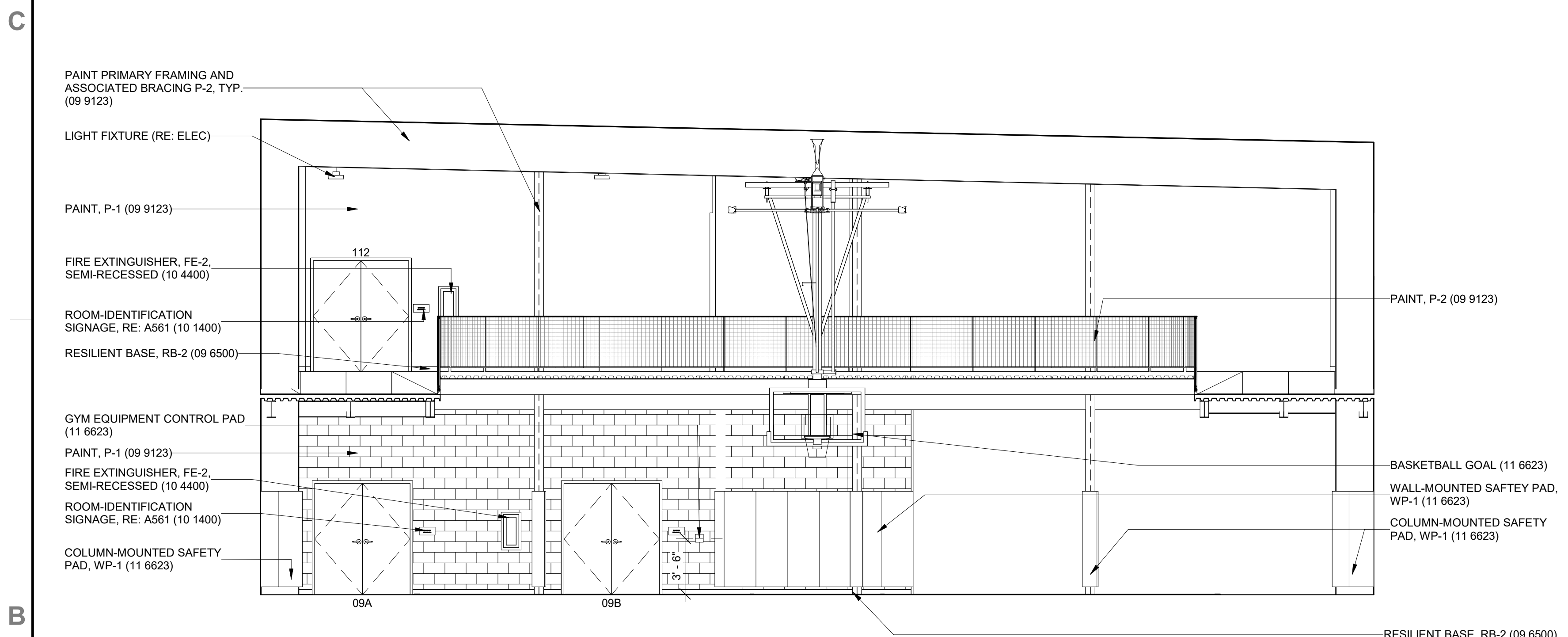
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INTERIOR ELEVATIONS



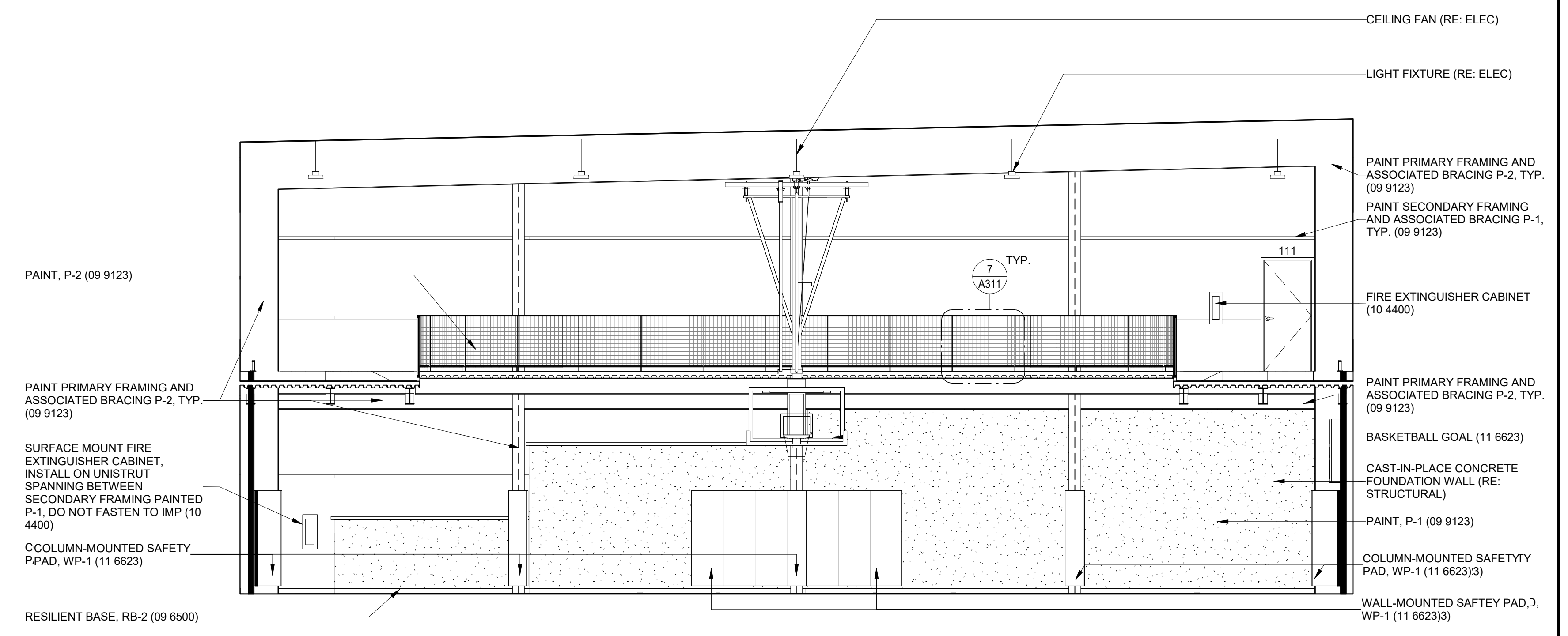
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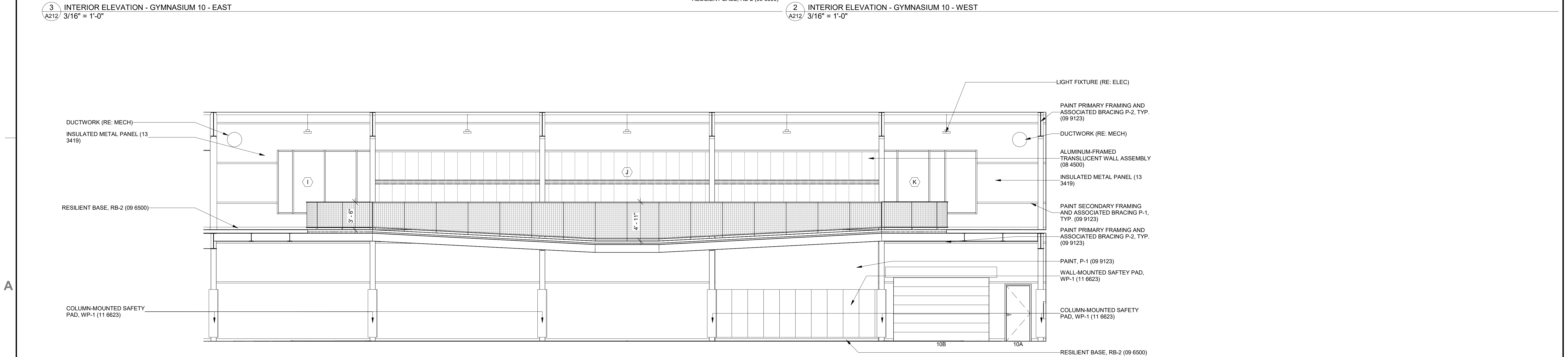
4 INTERIOR ELEVATION - GYMNASIUM 10 - NORTH
 A212 / 3/16" = 1'-0"



3 INTERIOR ELEVATION - GYMNASIUM 10 - EAST
 A212 / 3/16" = 1'-0"



2 INTERIOR ELEVATION - GYMNASIUM 10 - WEST
 A212 / 3/16" = 1'-0"



1 INTERIOR ELEVATION - GYMNASIUM 10 - SOUTH
 A212 / 3/16" = 1'-0"

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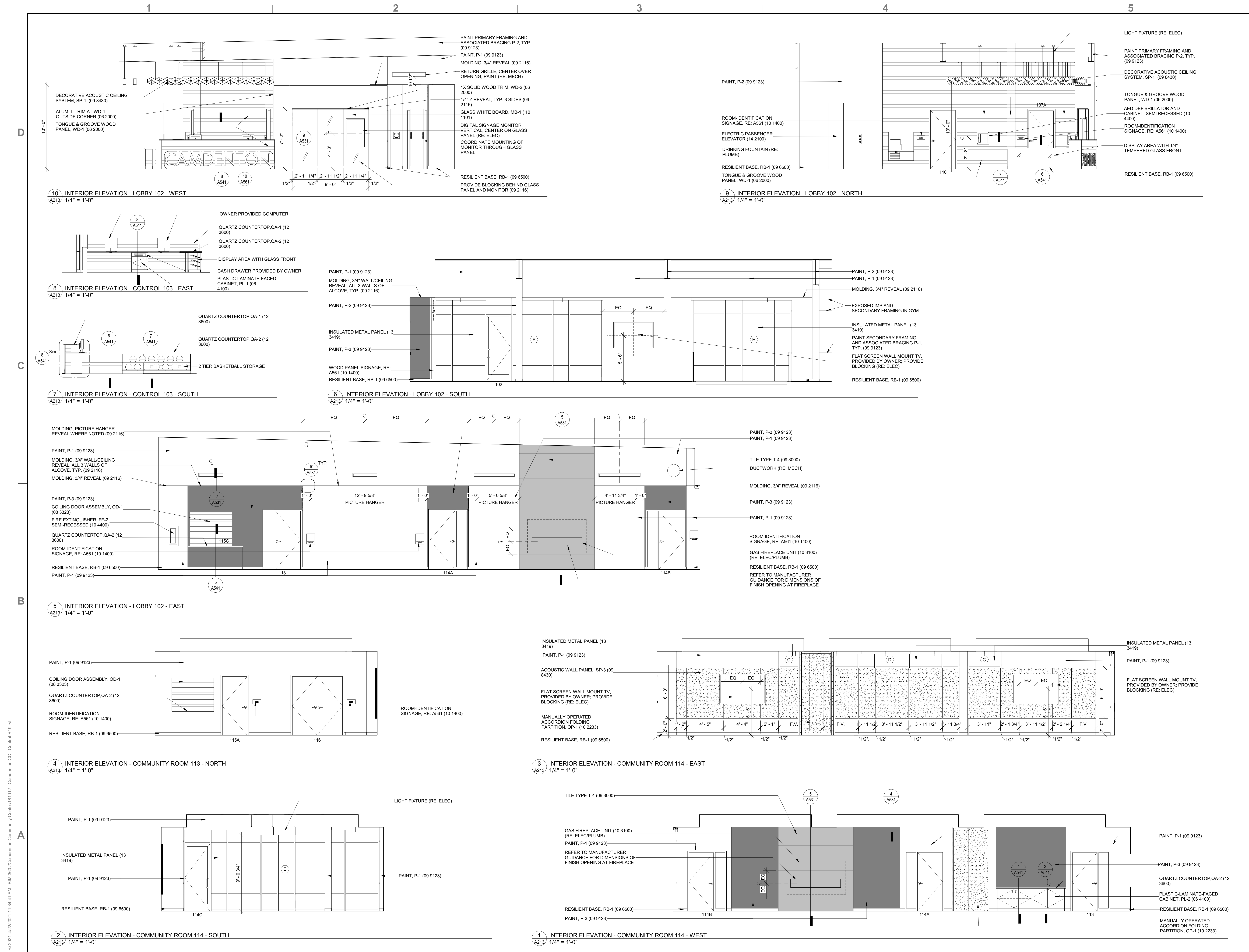
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INTERIOR ELEVATIONS

A212

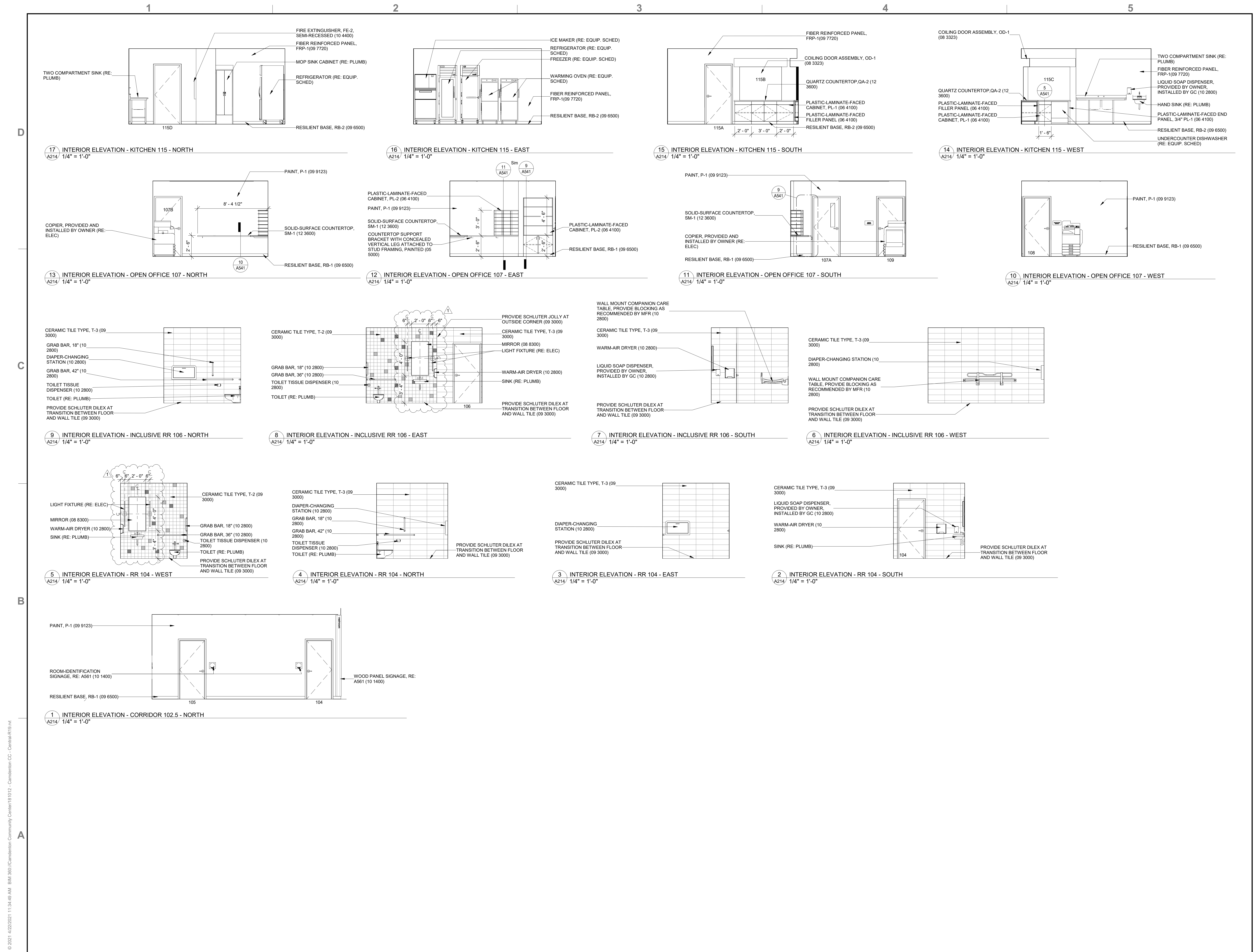
MARK	DATE	DESCRIPTION

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INTERIOR ELEVATIONS

A213



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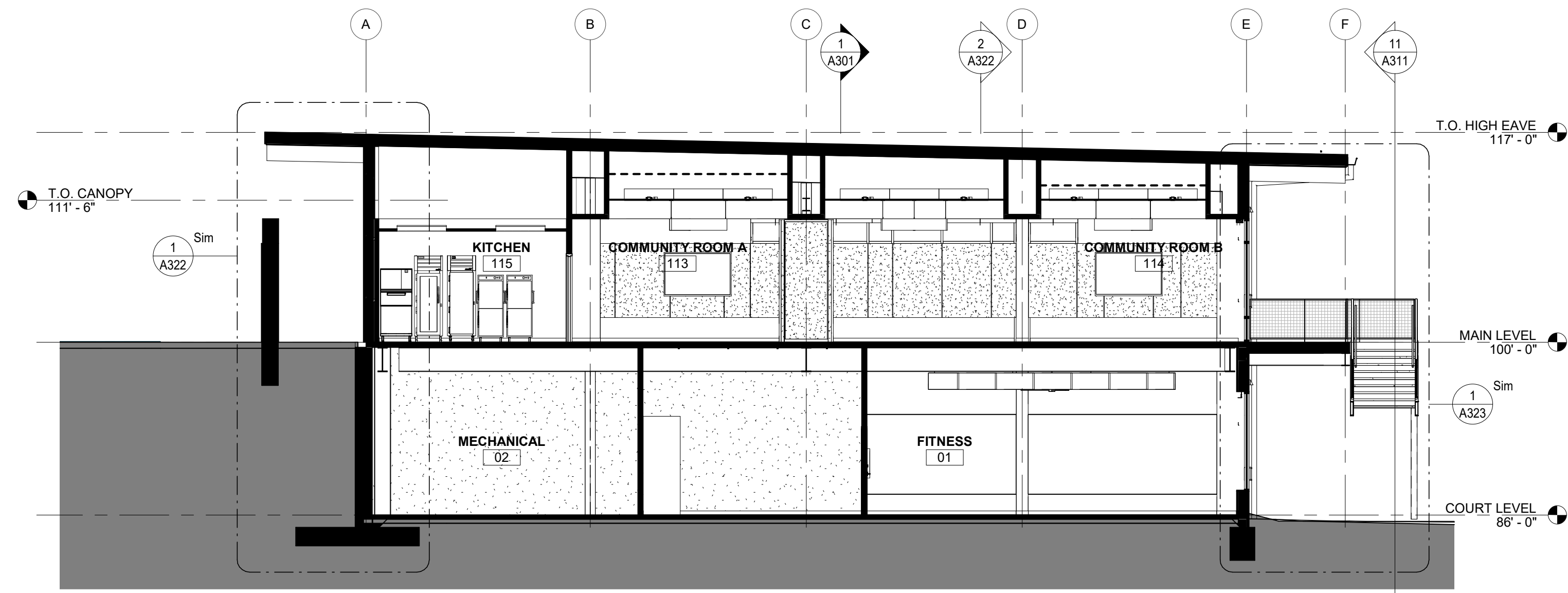
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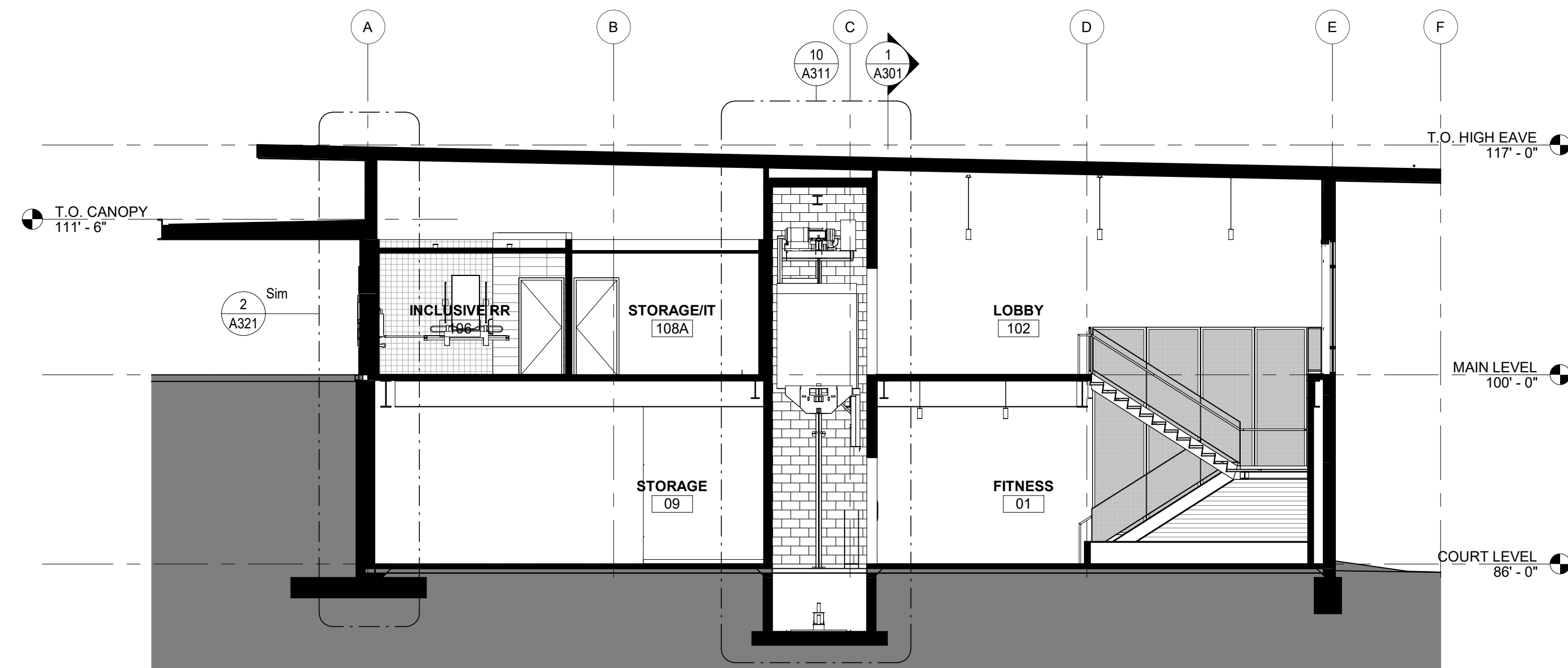
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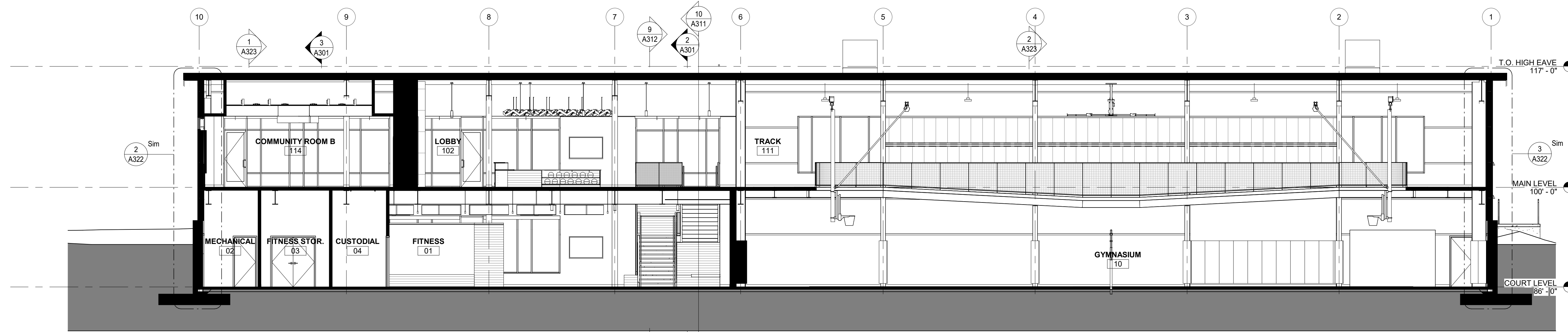
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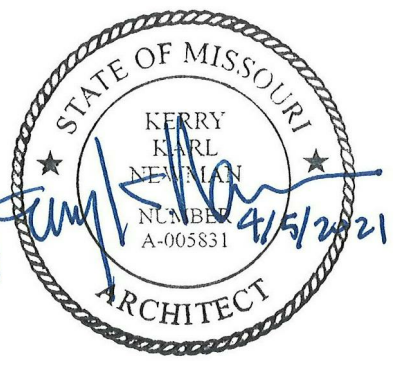
3 BUILDING SECTION - N/S AT COMMUNITY ROOMS
A301 1/8" = 1'-0"



2 BUILDING SECTION - N/S AT LOBBY
A301 1/8" = 1'-0"



1 BUILDING SECTION - E/W AT GYMNASIUM
A301 1/8" = 1'-0"



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BUILDING SECTIONS

A301

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VERTICAL CURVATURE AND GUARDRAIL DETAILS

A311

16 ELEVATION DETAIL - CANE DETECTION RAIL
 A311/ 1/2" = 1'-0"

15 SECTION DETAIL - TYPICAL POST/RAIL AT MESH
 A311/ 3" = 1'-0"

15 SECTION DETAIL - TYPICAL GYM GUARDRAIL
 A311/ 1 1/2" = 1'-0"

9 SECTION DETAIL - TYPICAL GYM GUARDRAIL
 A311/ 1 1/2" = 1'-0"

12 SECTION DETAIL - DECK - GUARDRAIL
 A311/ 1 1/2" = 1'-0"

12 SECTION DETAIL - DECK STAIR - GUARDRAIL
 A311/ 1 1/2" = 1'-0"

6 SECTION DETAIL - DECK STAIR - GUARDRAIL
 A311/ 1 1/2" = 1'-0"

3 SECTION DETAIL - DECK STAIR - TREAD
 A311/ 1 1/2" = 1'-0"

2 SECTION DETAIL - DECK STAIR - TREAD
 A311/ 1 1/2" = 1'-0"

1 ENLARGED PLAN - DECK
 A311/ 1/4" = 1'-0"

14 STAIR ELEVATION - DECK - WEST
 A311/ 1/4" = 1'-0"

13 STAIR ELEVATION - DECK - EAST
 A311/ 1/4" = 1'-0"

11 STAIR SECTION - DECK STAIR
 A311/ 1/4" = 1'-0"

5 STAIR ELEVATION - DECK - SOUTH
 A311/ 1/4" = 1'-0"

10 ELEVATOR SECTION - E/W
 A311/ 1/4" = 1'-0"

8 ELEVATOR PLAN - MAIN LEVEL
 A311/ 1/4" = 1'-0"

10 ELEVATOR PLAN - COURT LEVEL
 A311/ 1/4" = 1'-0"

7 ELEVATION DETAIL - GYM GUARDRAIL
 A311/ 1/2" = 1'-0"

6 SECTION DETAIL - DECK STAIR - GUARDRAIL
 A311/ 1 1/2" = 1'-0"

3 SECTION DETAIL - DECK STAIR - TREAD
 A311/ 1 1/2" = 1'-0"

1 ENLARGED PLAN - DECK
 A311/ 1/4" = 1'-0"

14 STAIR ELEVATION - DECK - WEST
 A311/ 1/4" = 1'-0"

13 STAIR ELEVATION - DECK - EAST
 A311/ 1/4" = 1'-0"

11 STAIR SECTION - DECK STAIR
 A311/ 1/4" = 1'-0"

5 STAIR ELEVATION - DECK - SOUTH
 A311/ 1/4" = 1'-0"

10 ELEVATOR SECTION - E/W
 A311/ 1/4" = 1'-0"

8 ELEVATOR PLAN - MAIN LEVEL
 A311/ 1/4" = 1'-0"

10 ELEVATOR PLAN - COURT LEVEL
 A311/ 1/4" = 1'-0"

7 ELEVATION DETAIL - GYM GUARDRAIL
 A311/ 1/2" = 1'-0"

6 SECTION DETAIL - DECK STAIR - GUARDRAIL
 A311/ 1 1/2" = 1'-0"

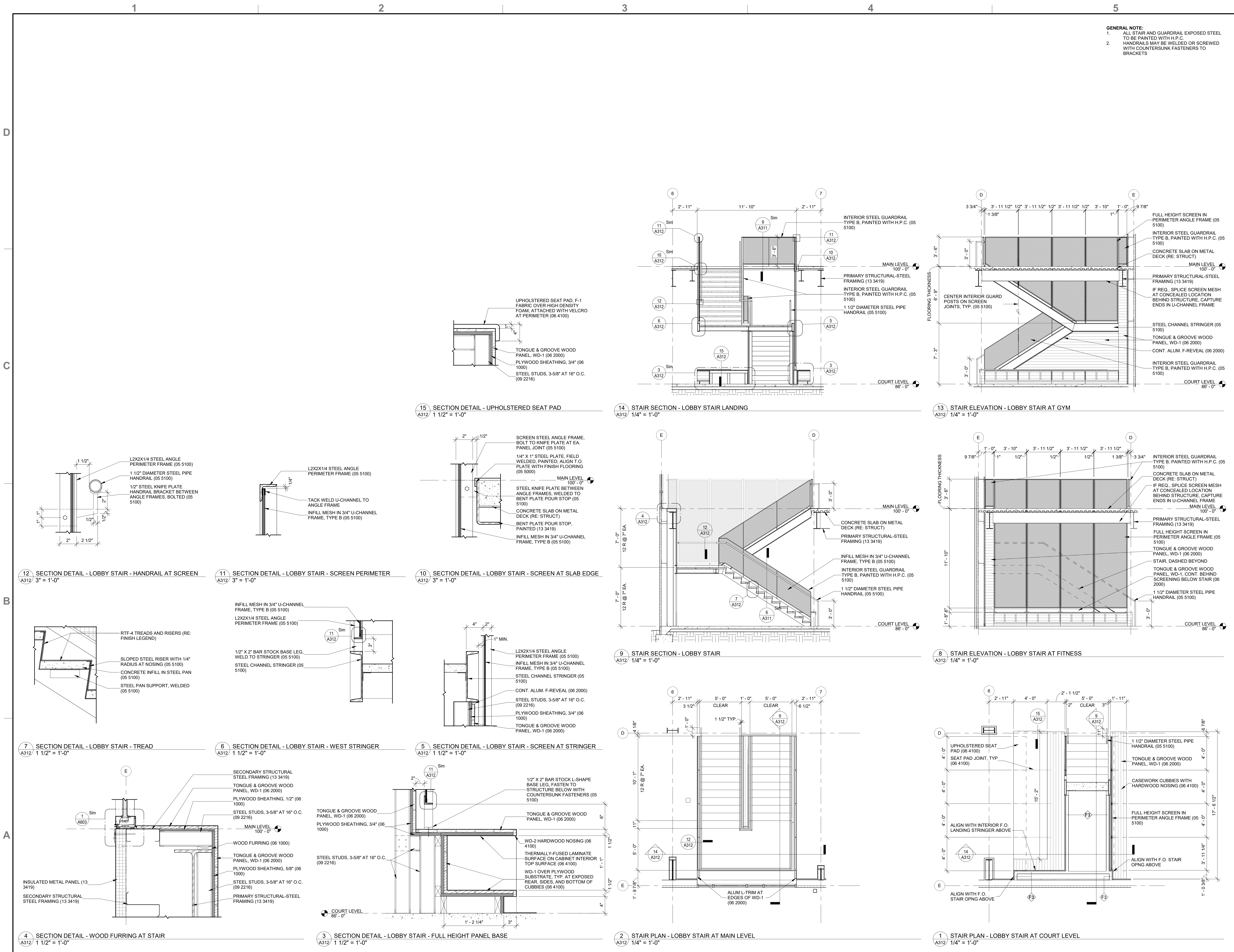
3 SECTION DETAIL - DECK STAIR - TREAD
 A311/ 1 1/2" = 1'-0"

2 SECTION DETAIL - DECK STAIR - TREAD
 A311/ 1 1/2" = 1'-0"

1 ENLARGED PLAN - DECK
 A311/ 1/4" = 1'-0"

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GENERAL NOTE:
 1. ALL STAIR AND GUARDRAIL EXPOSED STEEL TO BE PAINTED WITH H.P.C.
 2. HANDRAILS MAY BE WELDED OR SCREWED WITH COUNTERSUNK FASTENERS TO BRACKETS

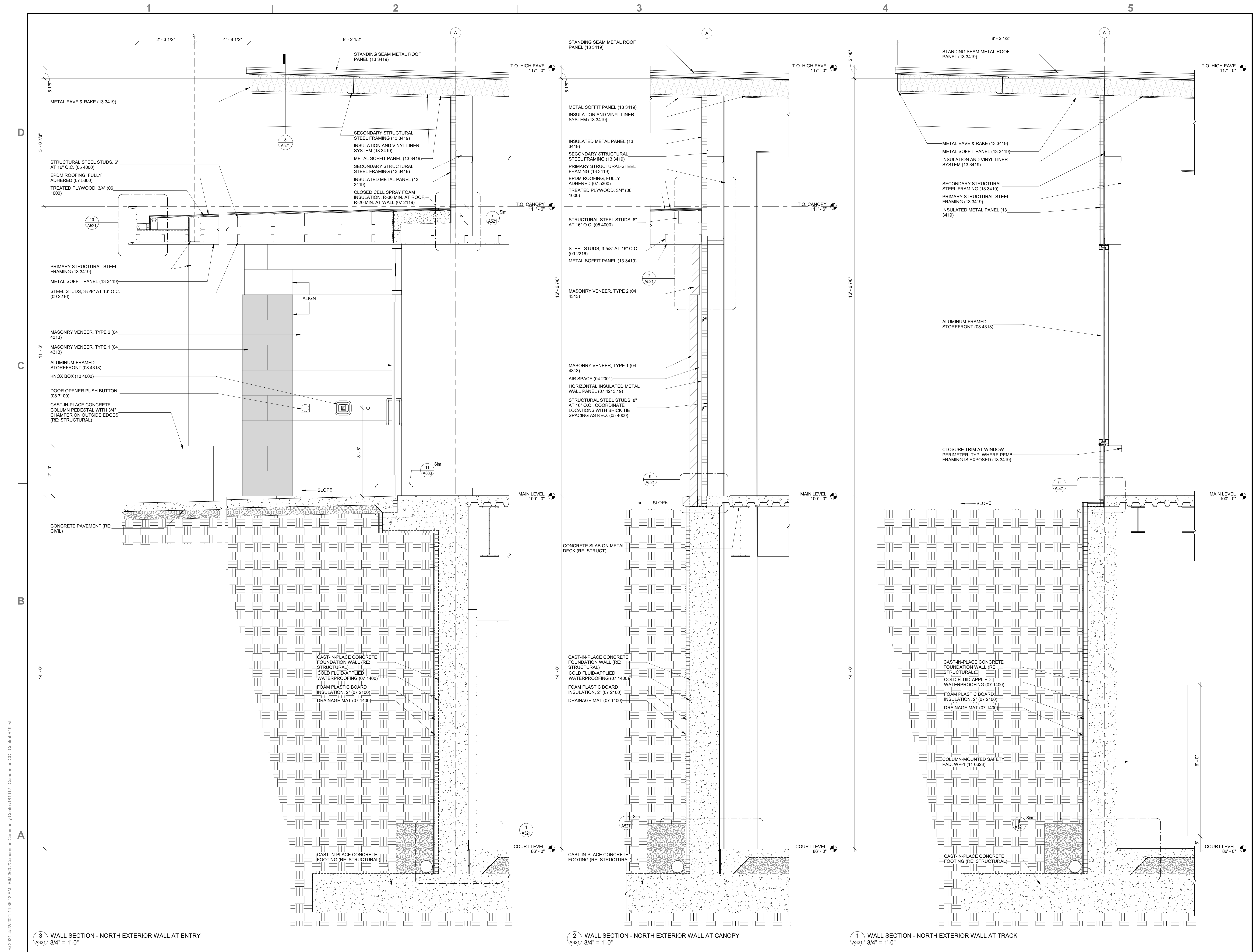


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Camdenton Community Center
 City of Camdenton, Missouri
 1205 N. Business Route 5
 Camdenton, MO 65020

MARK	DATE	DESCRIPTION

SFS PROJECT NO: 181012
 ISSUED FOR: 100% CDS
 ISSUE DATE: 04/05/21
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LOBBY STAIR DETAILS
A312



3 WALL SECTION - NORTH EXTERIOR WALL AT ENTRY
A321/ 3/4" = 1'-0"

2 WALL SECTION - NORTH EXTERIOR WALL AT CANOPY
A321/ 3/4" = 1'-0"

1 WALL SECTION - NORTH EXTERIOR WALL AT TRACK
A321/ 3/4" = 1'-0"

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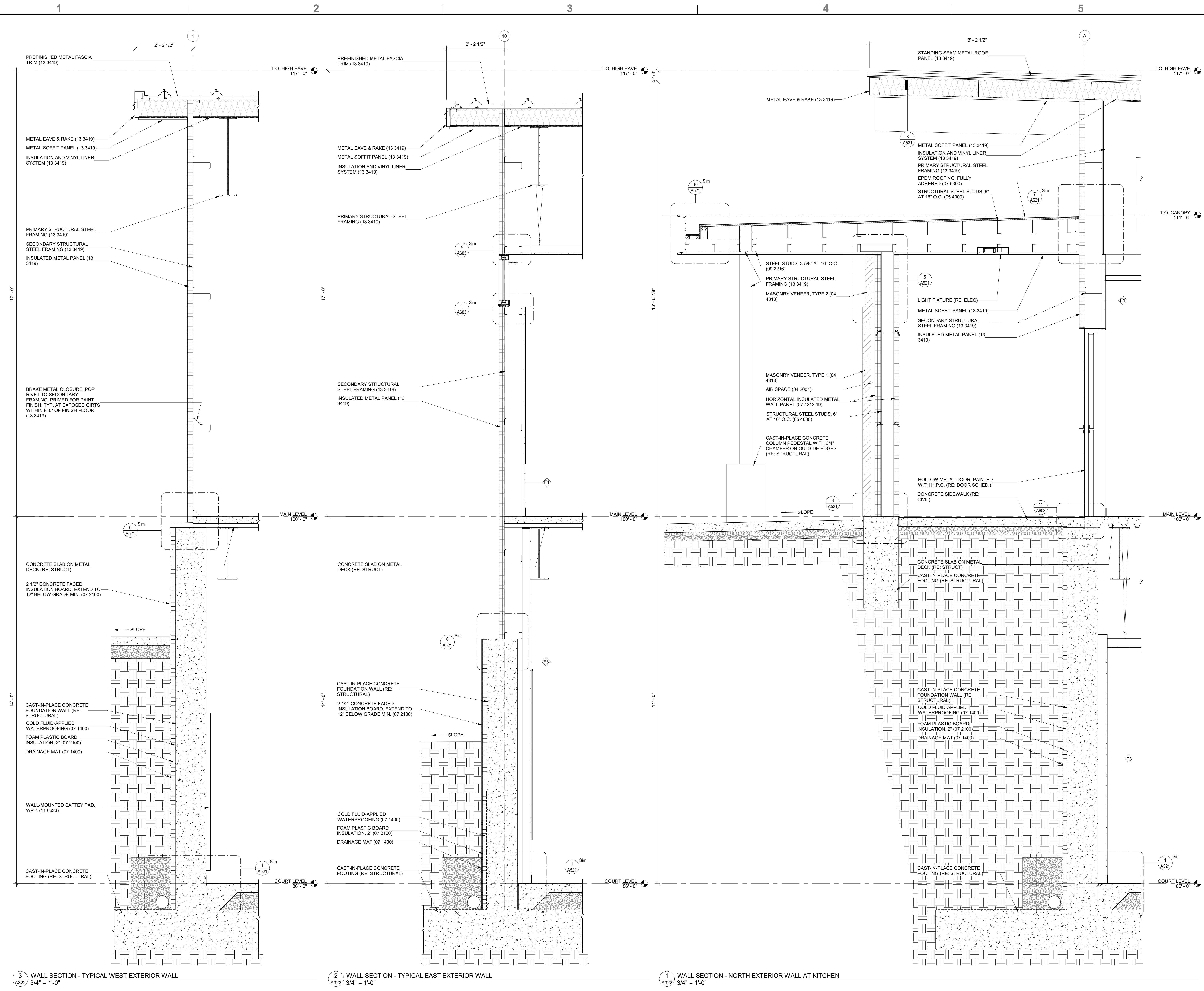
MARK	DATE	DESCRIPTION

SFS PROJECT NO. 181012
ISSUED FOR: 100% CDS
ISSUE DATE: 04/05/21
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MARK	DATE	DESCRIPTION

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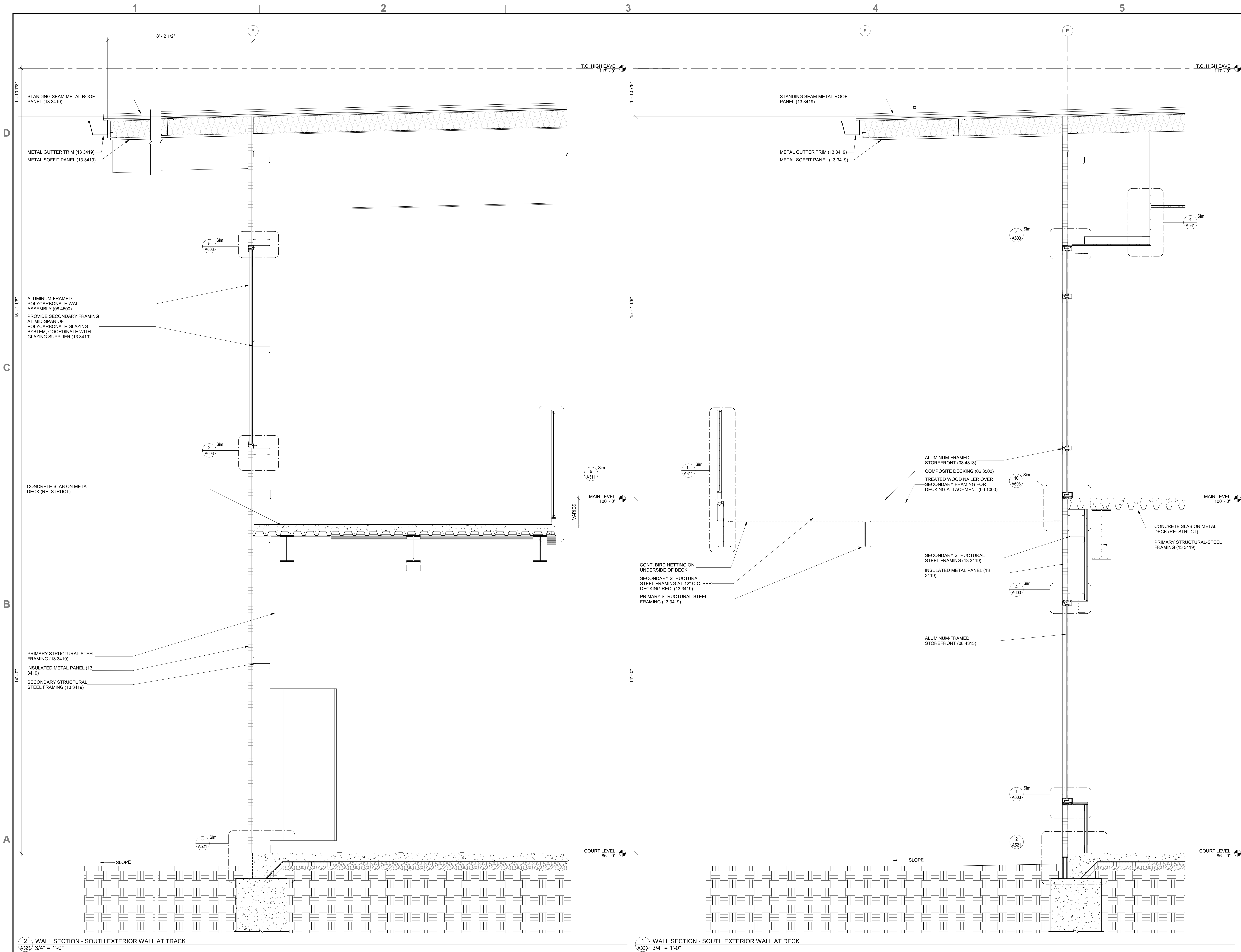


MARK	DATE	DESCRIPTION

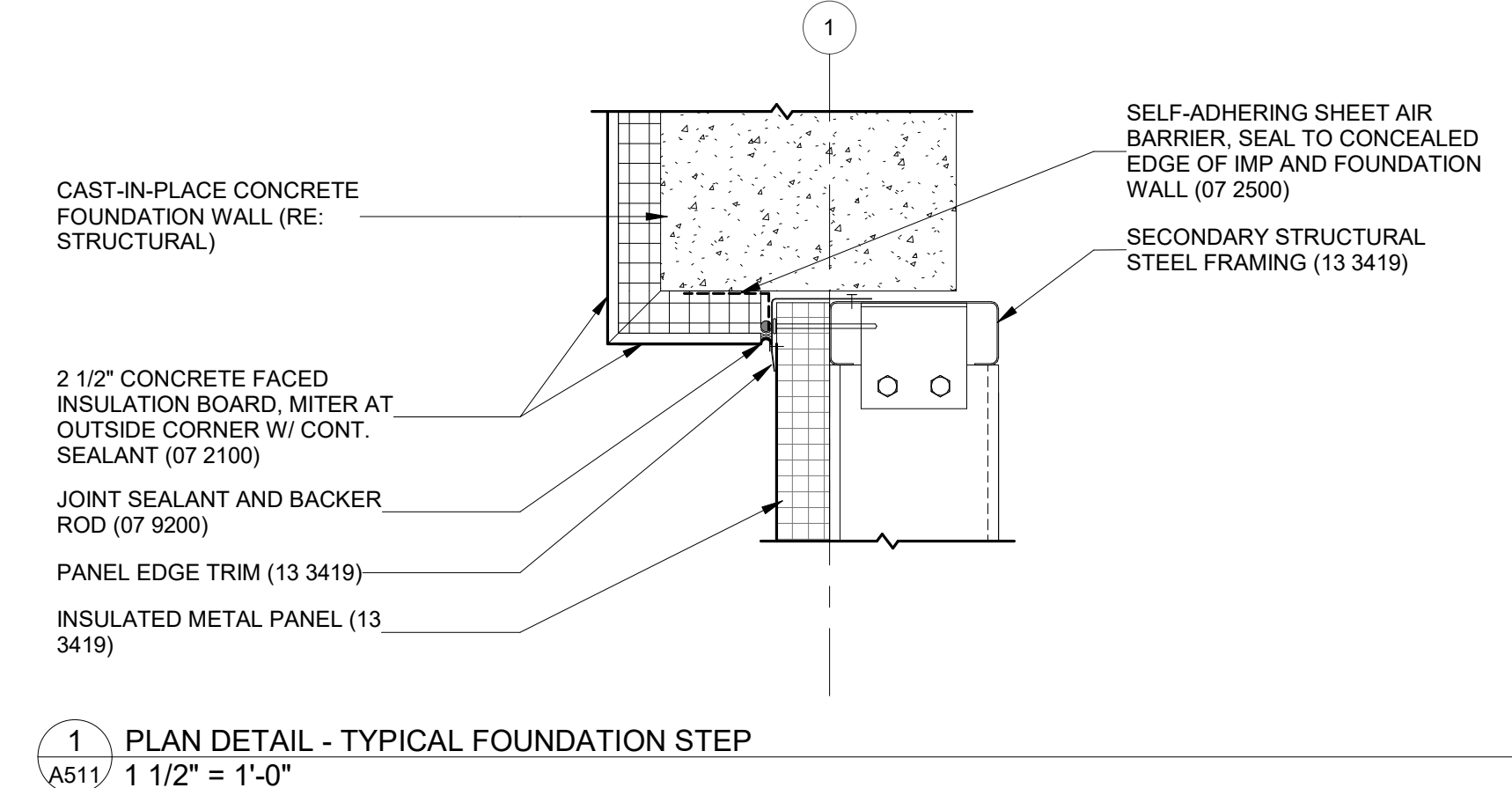
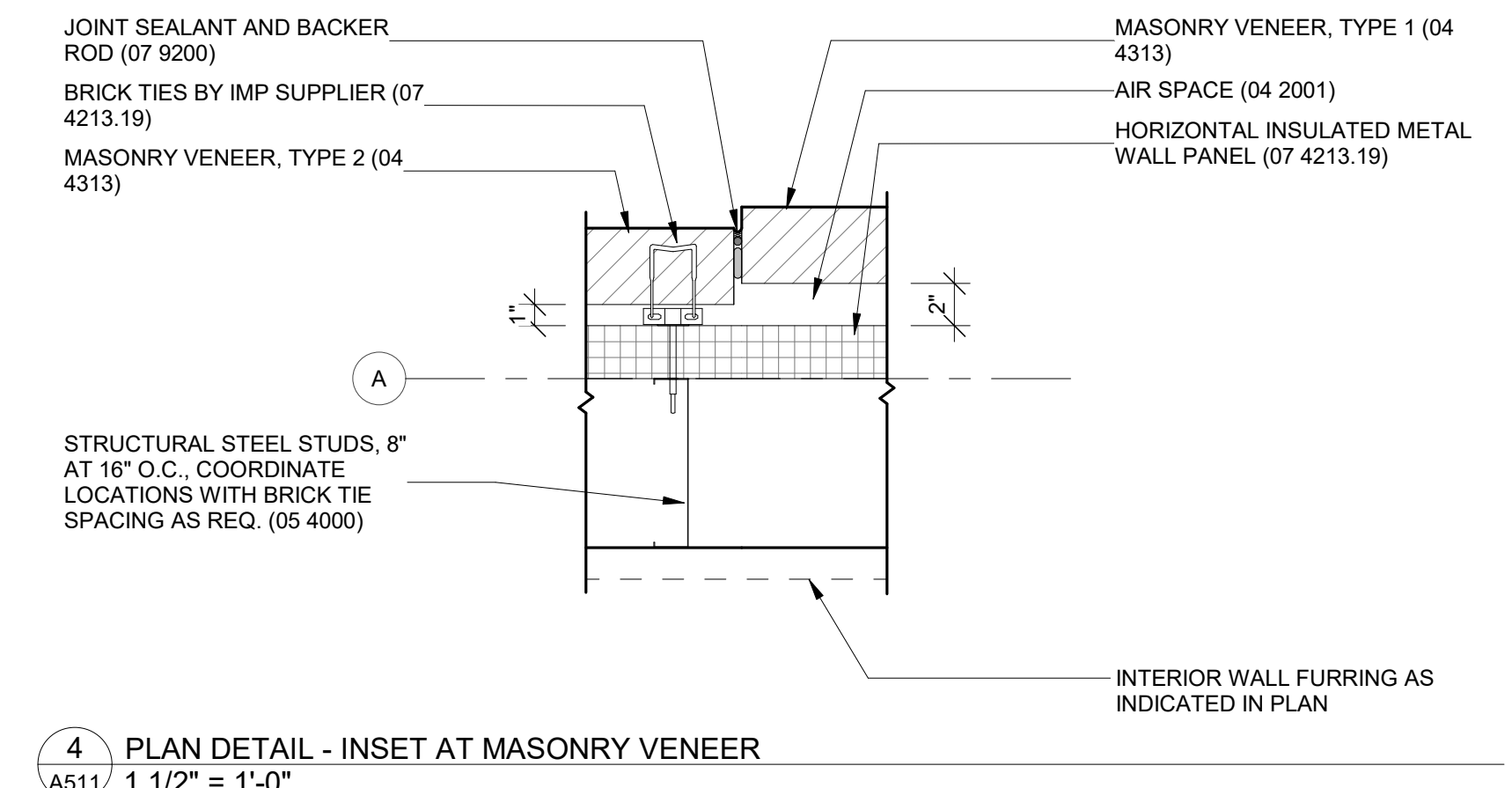
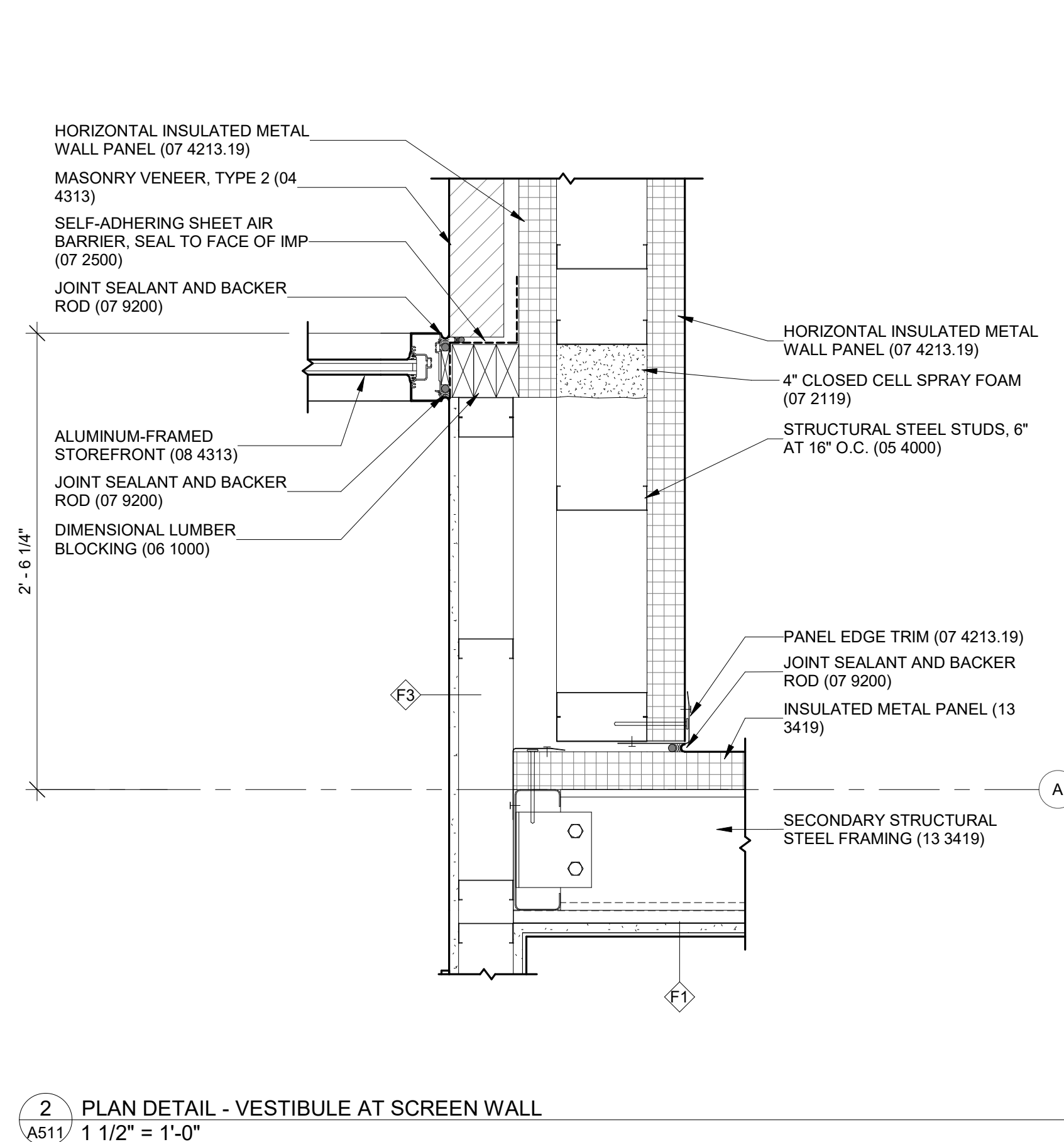
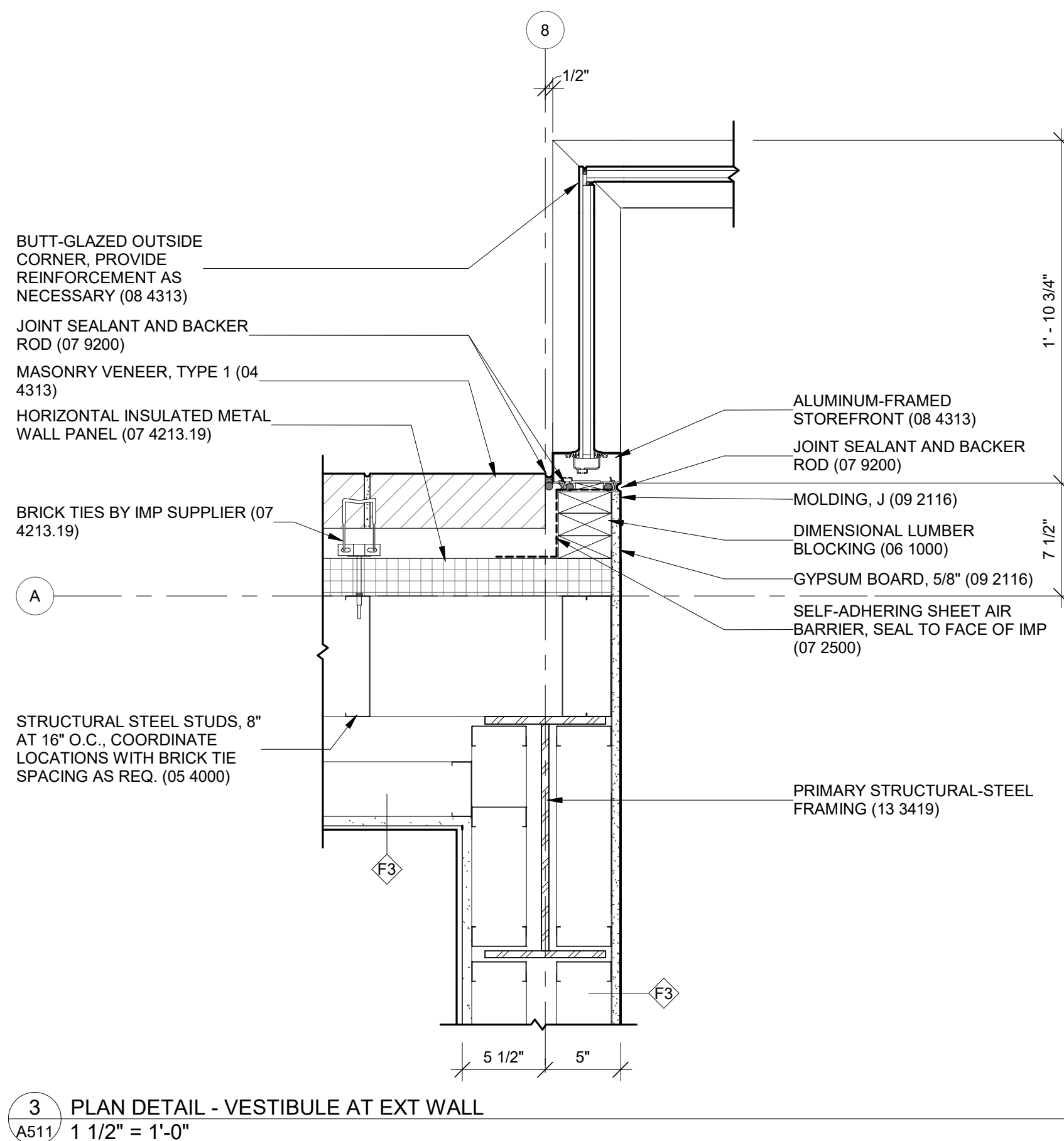
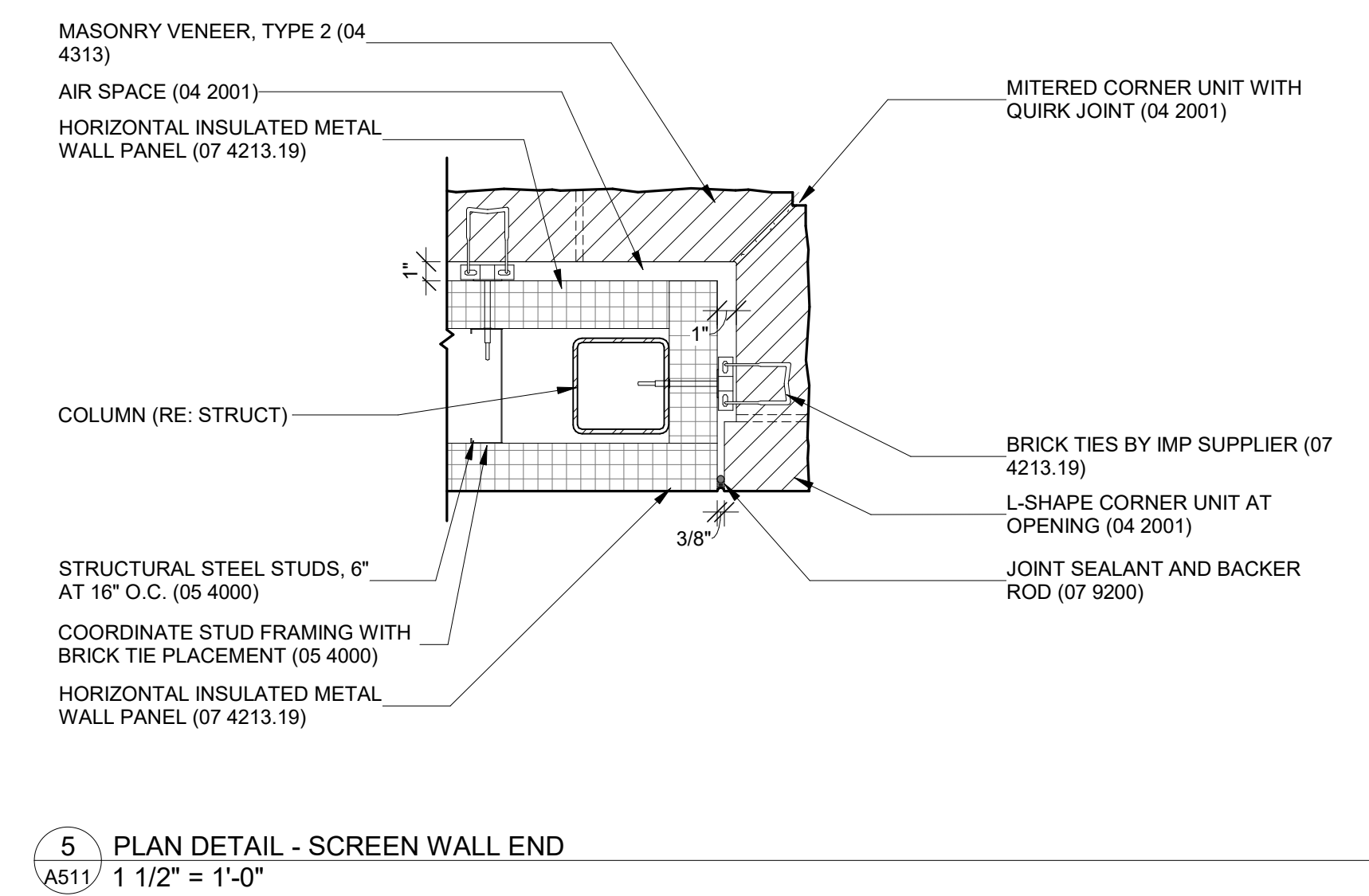
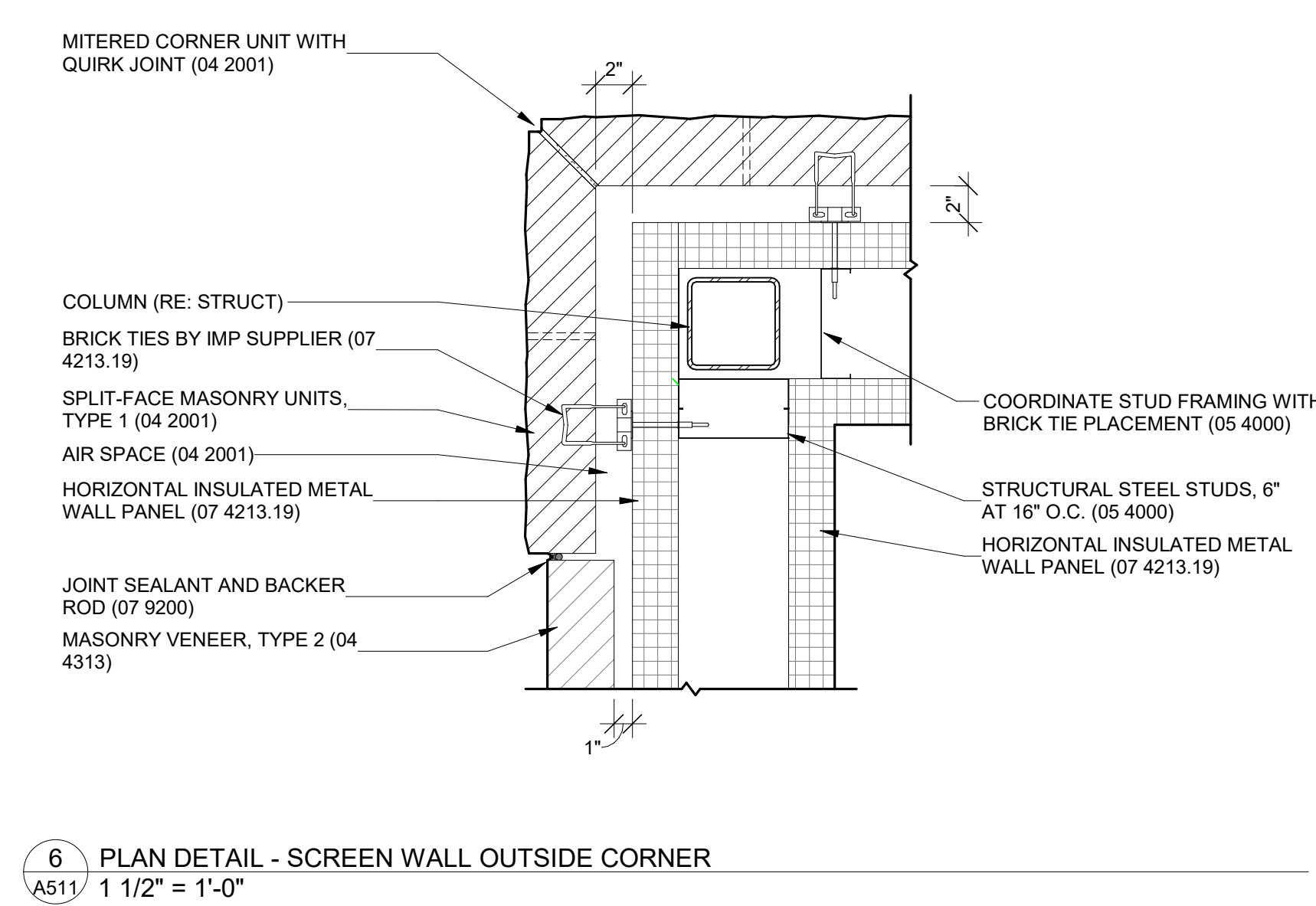
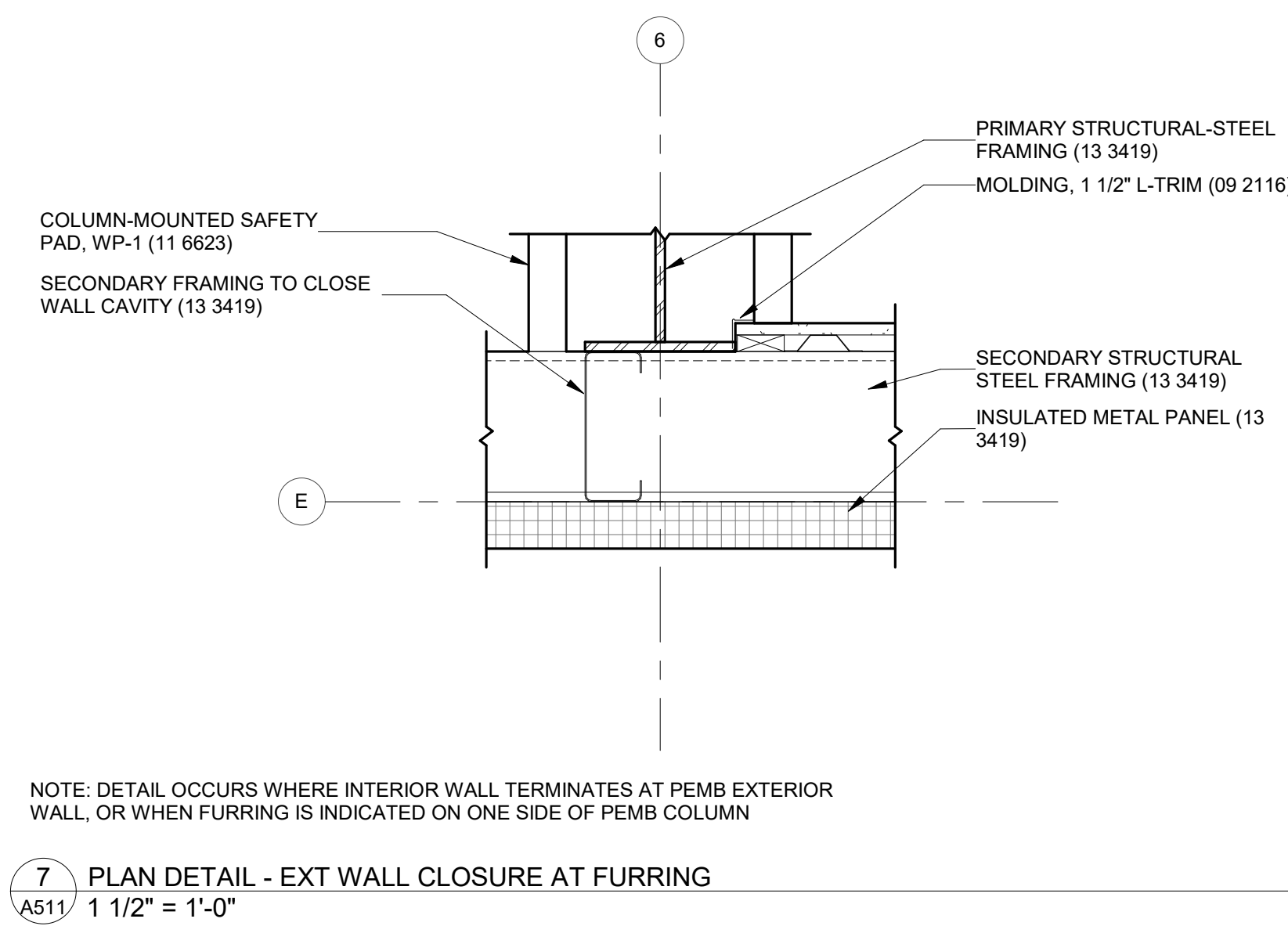
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 ISSUED FOR: 100% CDS
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WALL SECTIONS

A323



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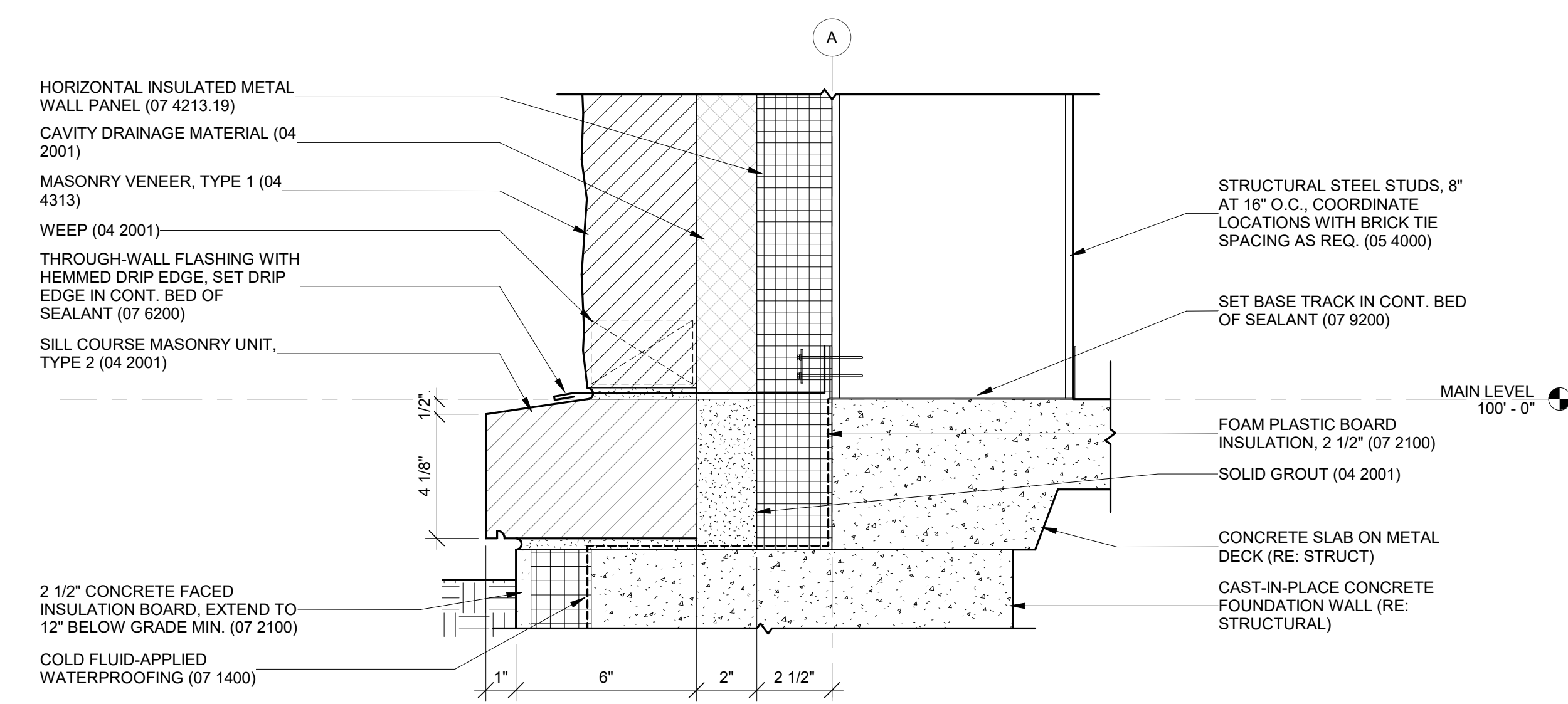


D

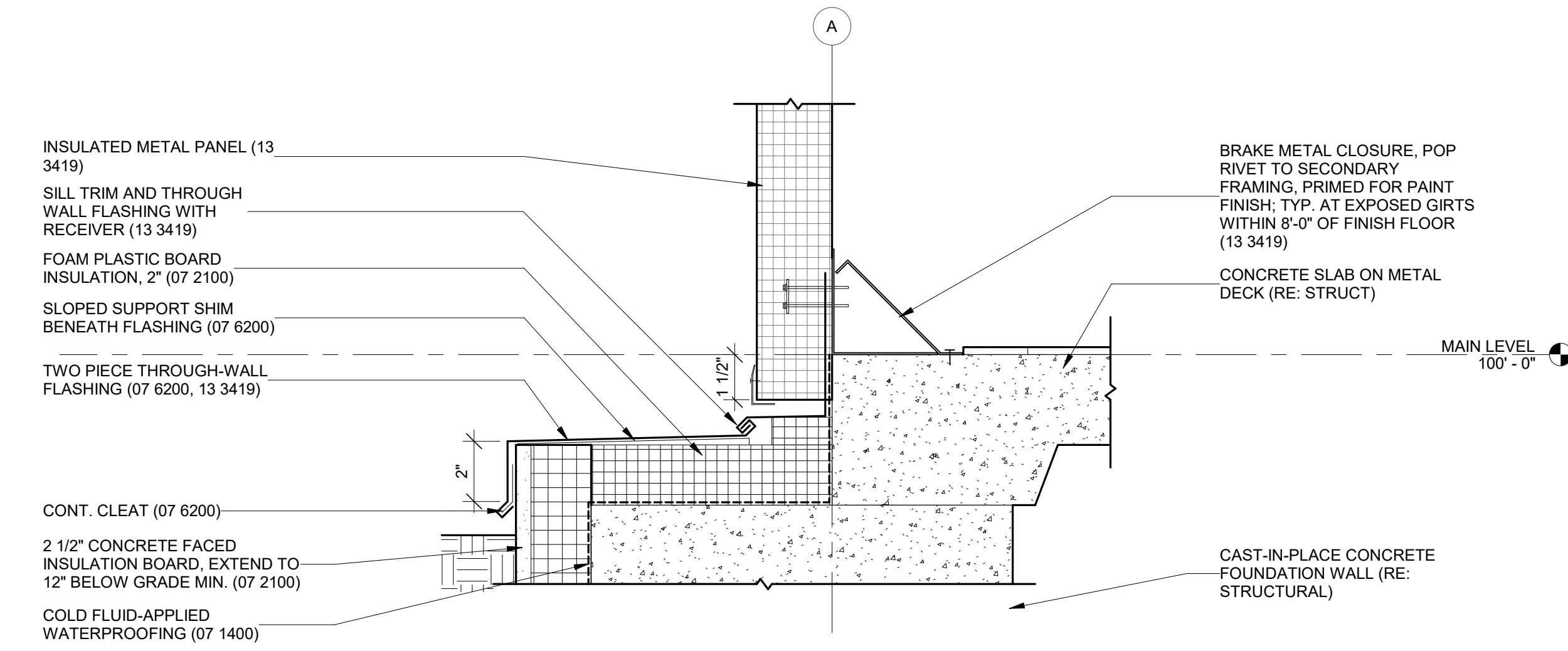
C

B

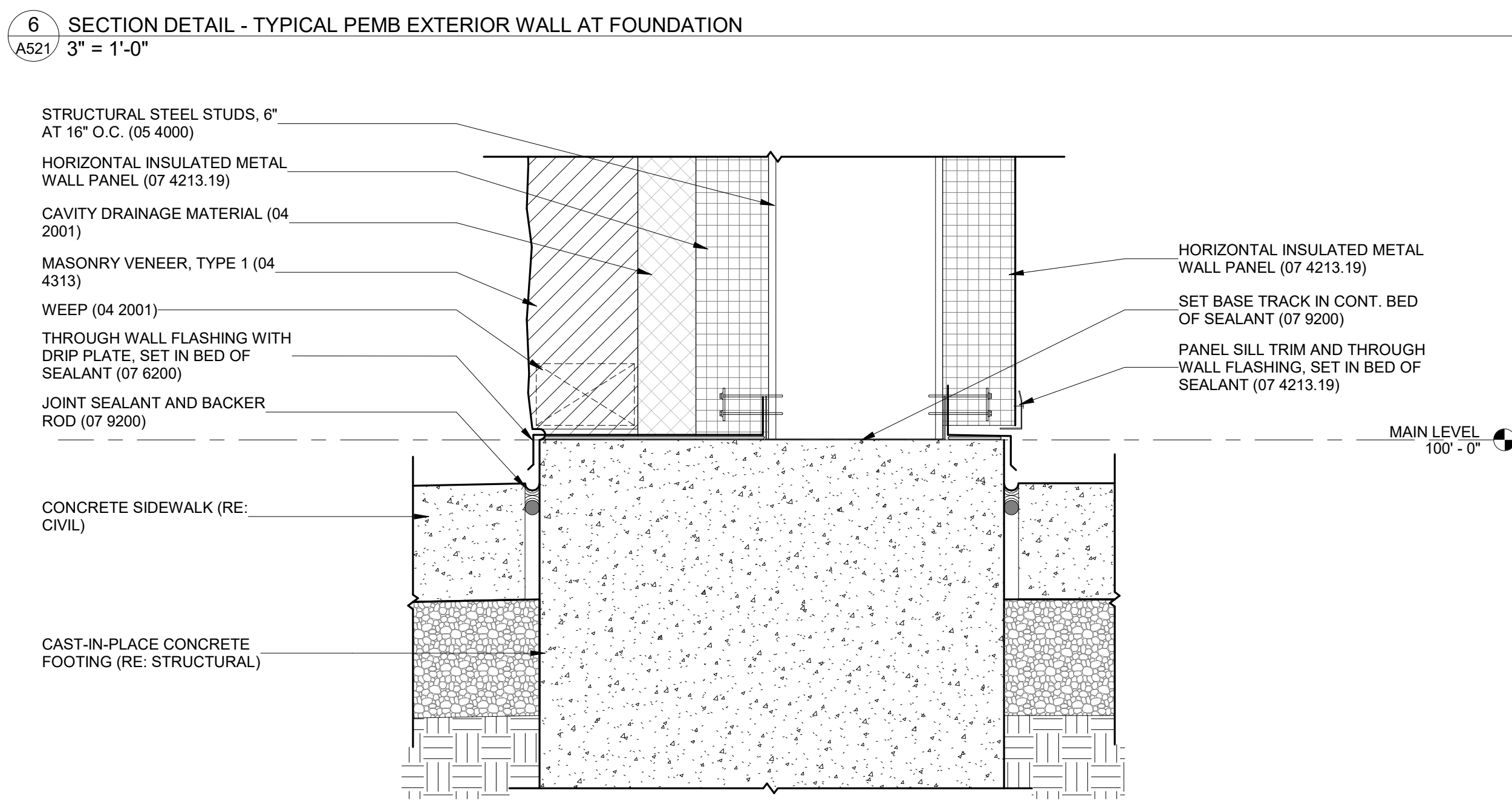
A



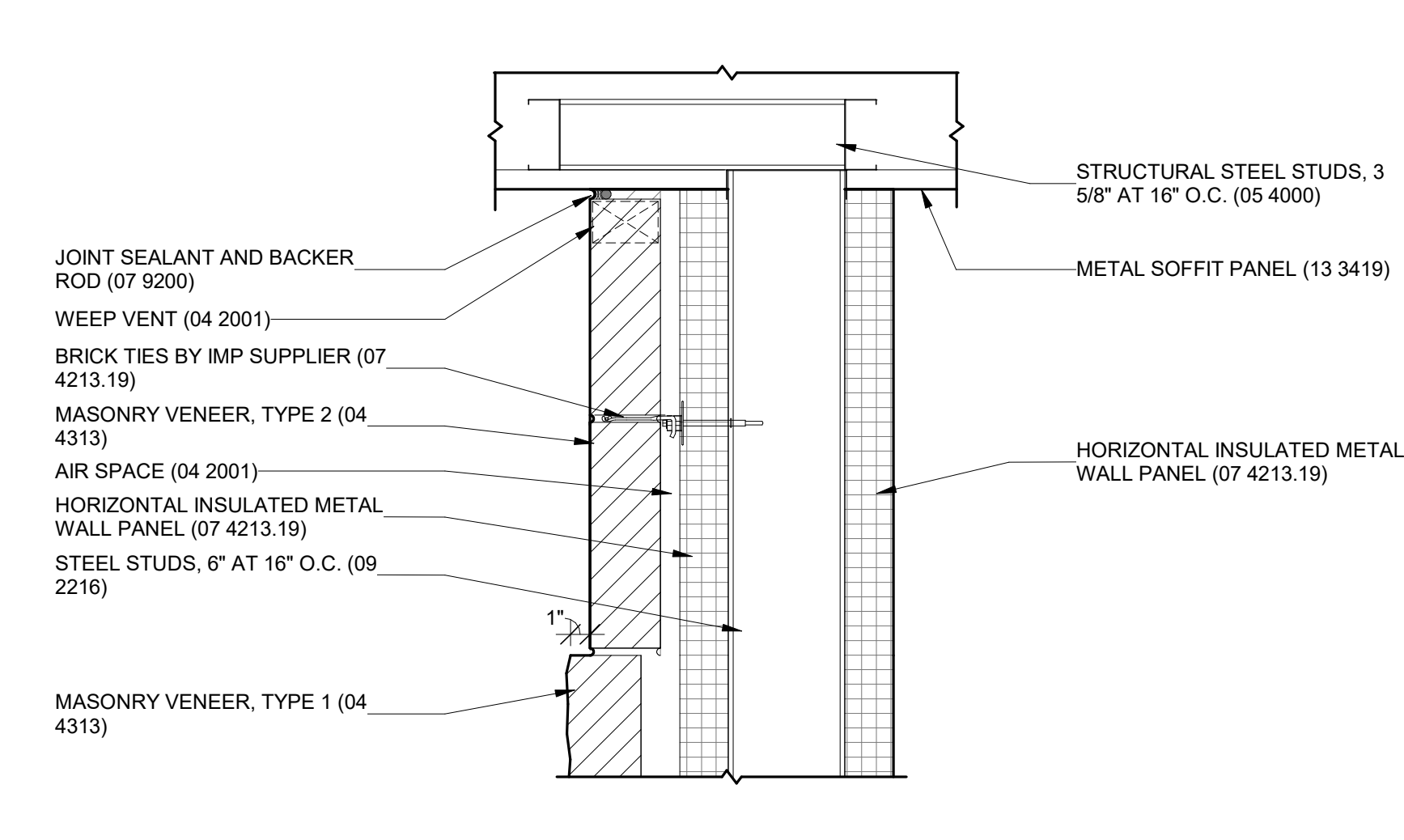
9 SECTION DETAIL - MASONRY VENEER AT FOUNDATION
A521/ 3" = 1'-0"



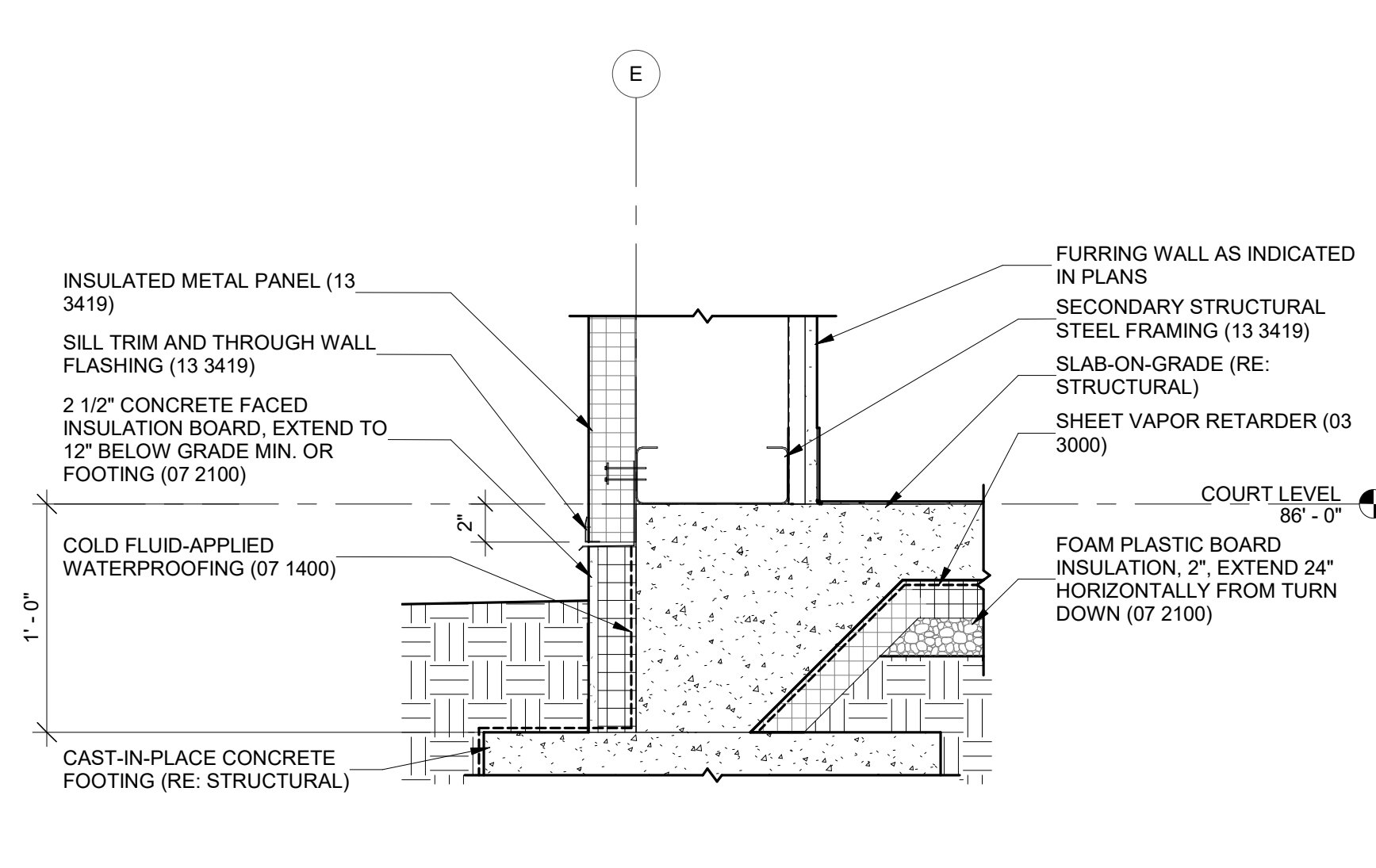
8 SECTION DETAIL - TYPICAL CLOSURE AT EAVE SUPPORT BEAM
A521/ 1 1/2" = 1'-0"



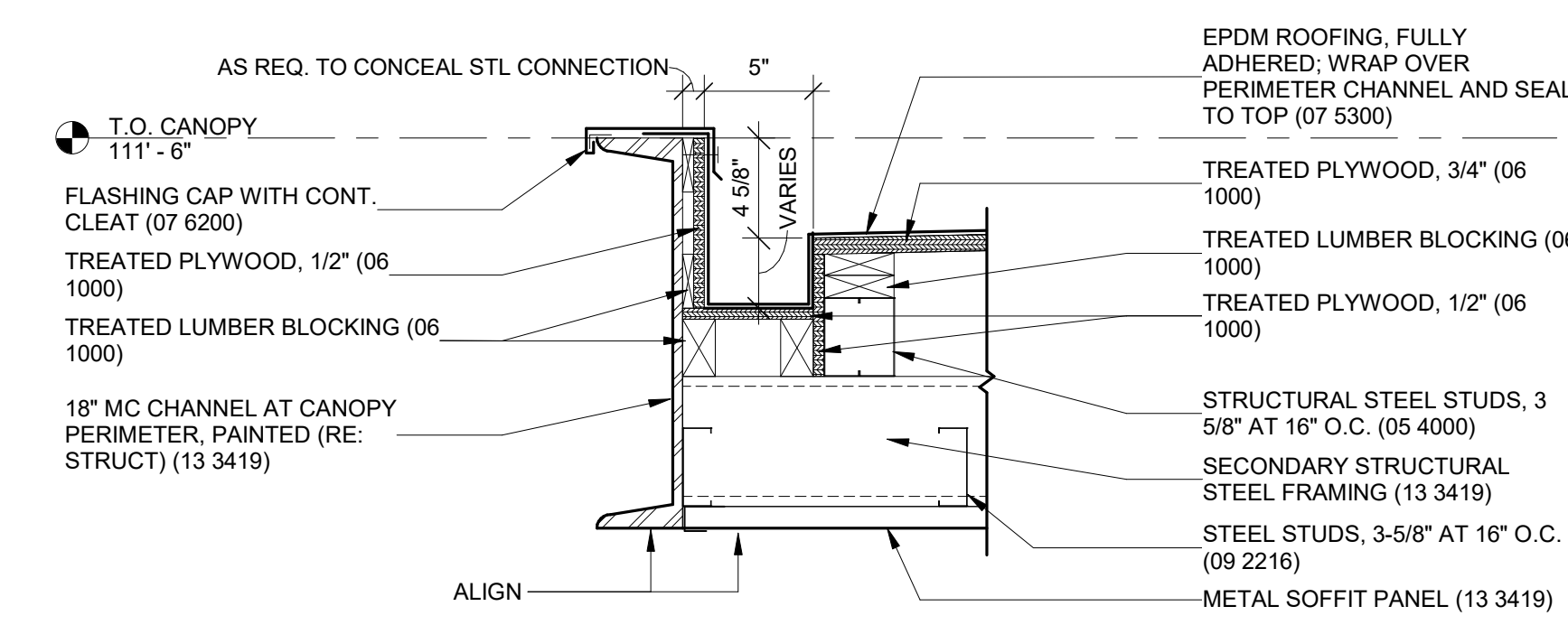
6 SECTION DETAIL - TYPICAL PEMB EXTERIOR WALL AT FOUNDATION
A521/ 3" = 1'-0"



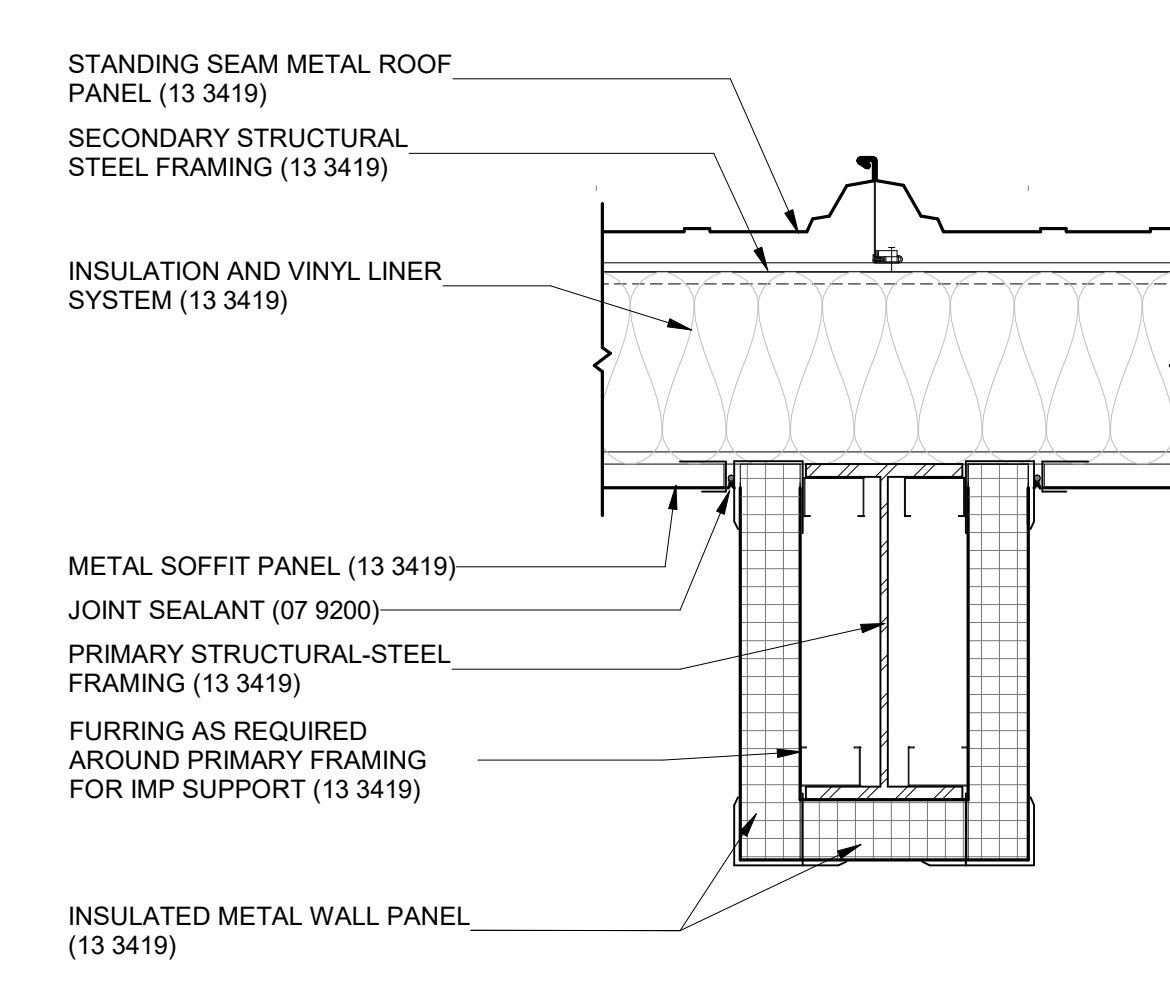
5 SECTION DETAIL - SCREEN WALL AT SOFFIT
A521/ 1 1/2" = 1'-0"



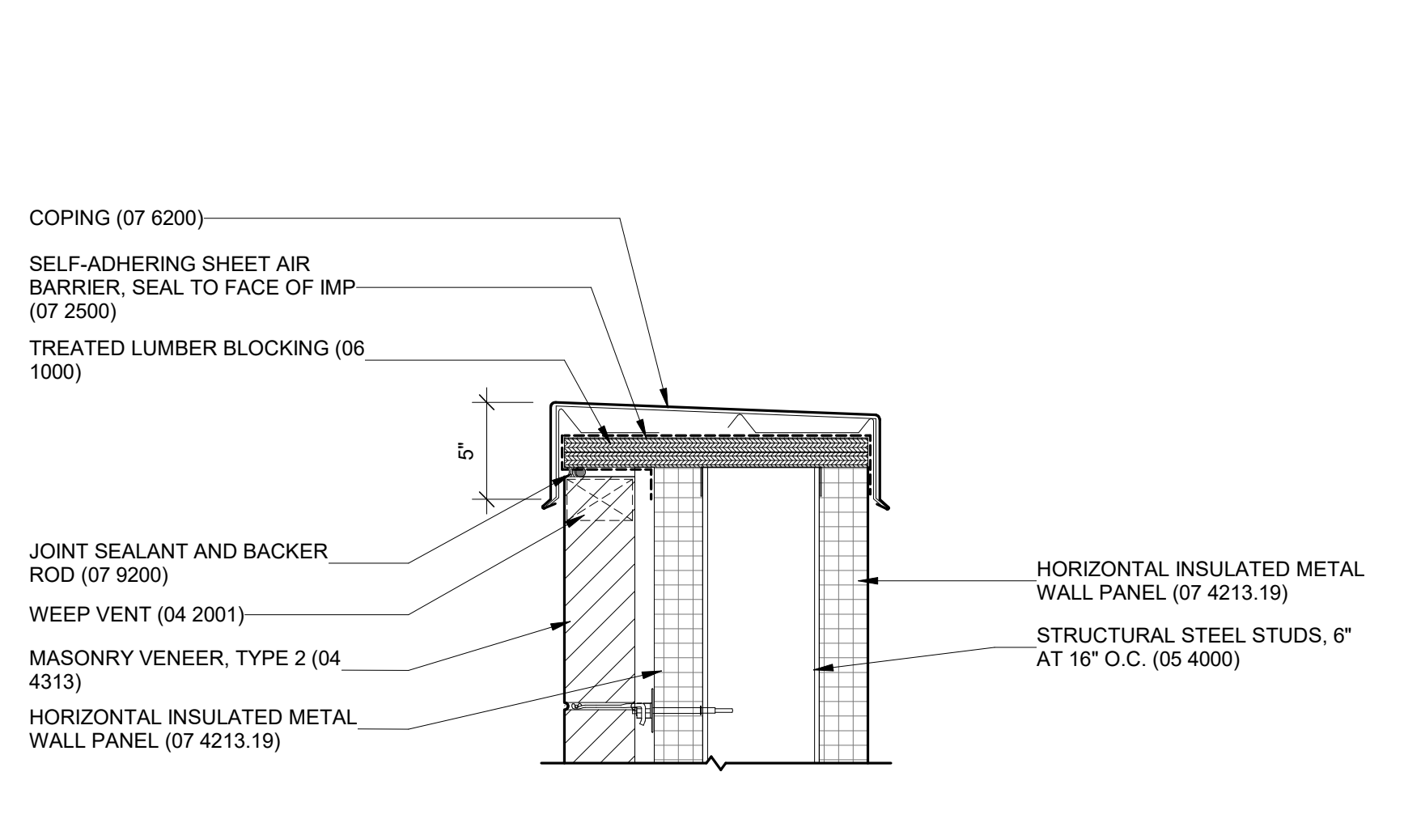
2 SECTION DETAIL - TYPICAL SLAB EDGE AT SOUTH EXT. WALL
A521/ 1 1/2" = 1'-0"



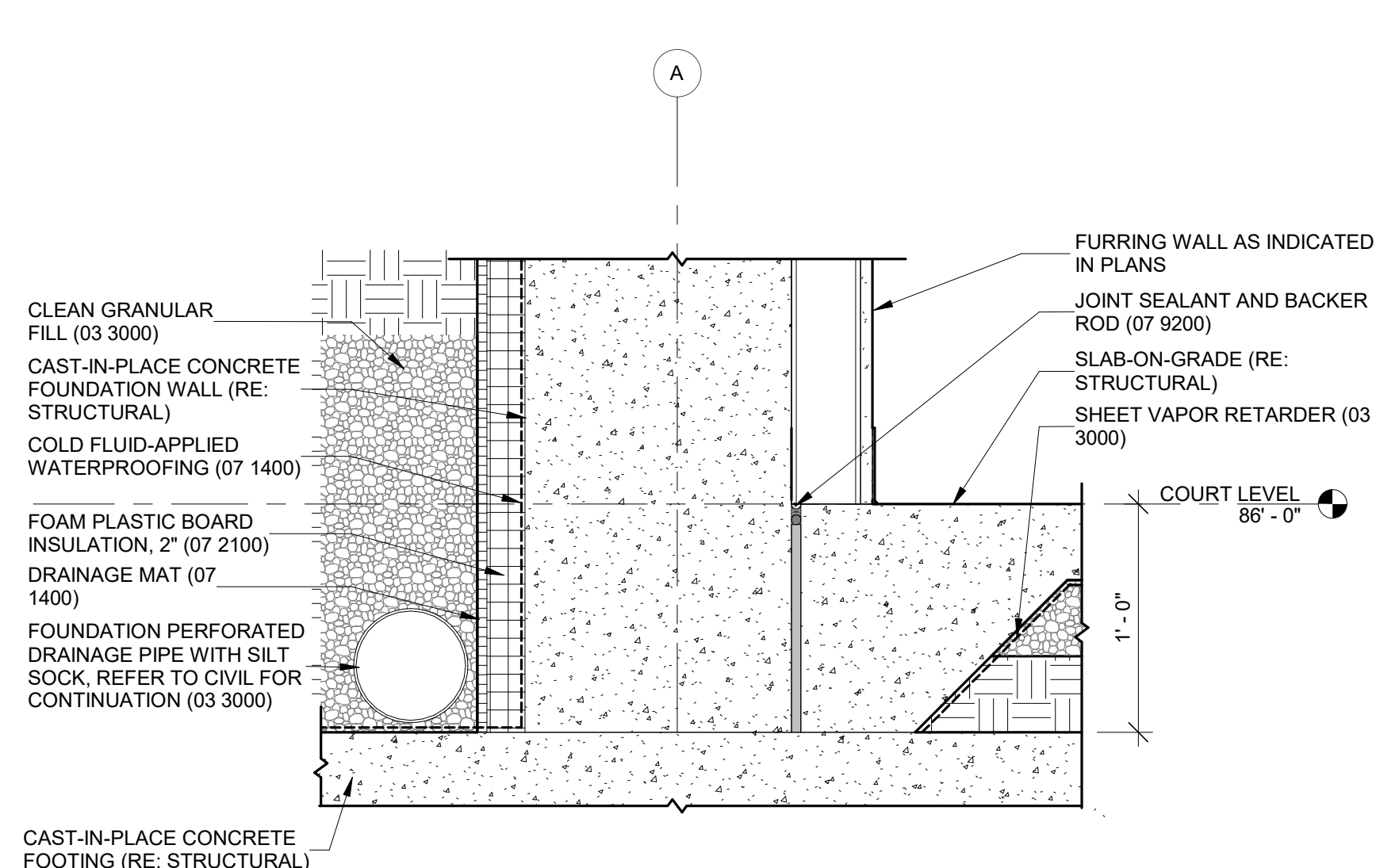
10 SECTION DETAIL - ENTRY CANOPY GUTTER
A521/ 1 1/2" = 1'-0"



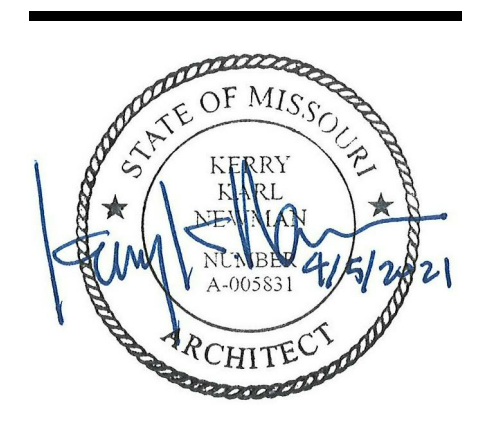
7 SECTION DETAIL - ENTRY CANOPY AT EXTERIOR WALL
A521/ 1 1/2" = 1'-0"



4 SECTION DETAIL - SCREEN WALL COPING
A521/ 1 1/2" = 1'-0"



1 SECTION DETAIL - TYPICAL FOUNDATION DRAINAGE
A521/ 1 1/2" = 1'-0"

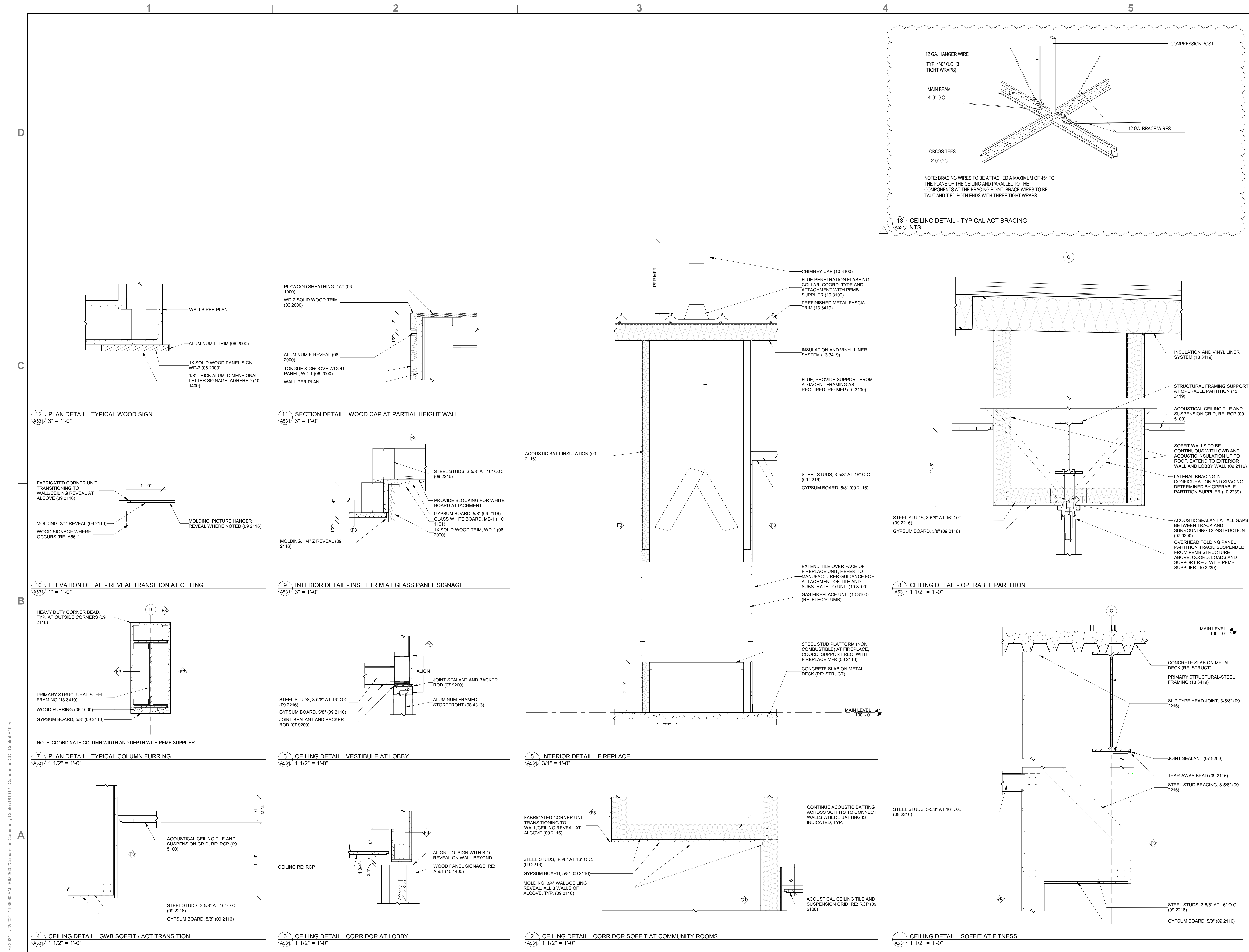


MARK	DATE	DESCRIPTION

SFS PROJECT NO: 181012
ISSUED FOR: 100% CD5
ISSUE DATE: 04.05.21
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SECTION DETAILS

A521



MARK	DATE	DESCRIPTION
1	04-23-21	BID SET

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MARK	DATE	DESCRIPTION
1	04.23.21	BID SET

11 CASEWORK DETAIL - MAILBOXES AT COUNTER
 A541/ 1 1/2" = 1'-0"

10 CASEWORK DETAIL - BUILT-IN DESK
 A541/ 1 1/2" = 1'-0"

9 CASEWORK DETAIL - BUILT-IN AT OPEN OFFICE
 A541/ 1 1/2" = 1'-0"

8 CASEWORK DETAIL - CONTROL DESK AT WORKSTATION
 A541/ 1 1/2" = 1'-0"

7 CASEWORK DETAIL - CONTROL DESK AT BALL STORAGE
 A541/ 1 1/2" = 1'-0"

6 CASEWORK DETAIL - CONTROL DESK AT DISPLAY CASE
 A541/ 1 1/2" = 1'-0"

5 CASEWORK DETAIL - KITCHEN/LOBBY COUNTER
 A541/ 1 1/2" = 1'-0"

4 CASEWORK DETAIL - COMMUNITY ROOM
 A541/ 1 1/2" = 1'-0"

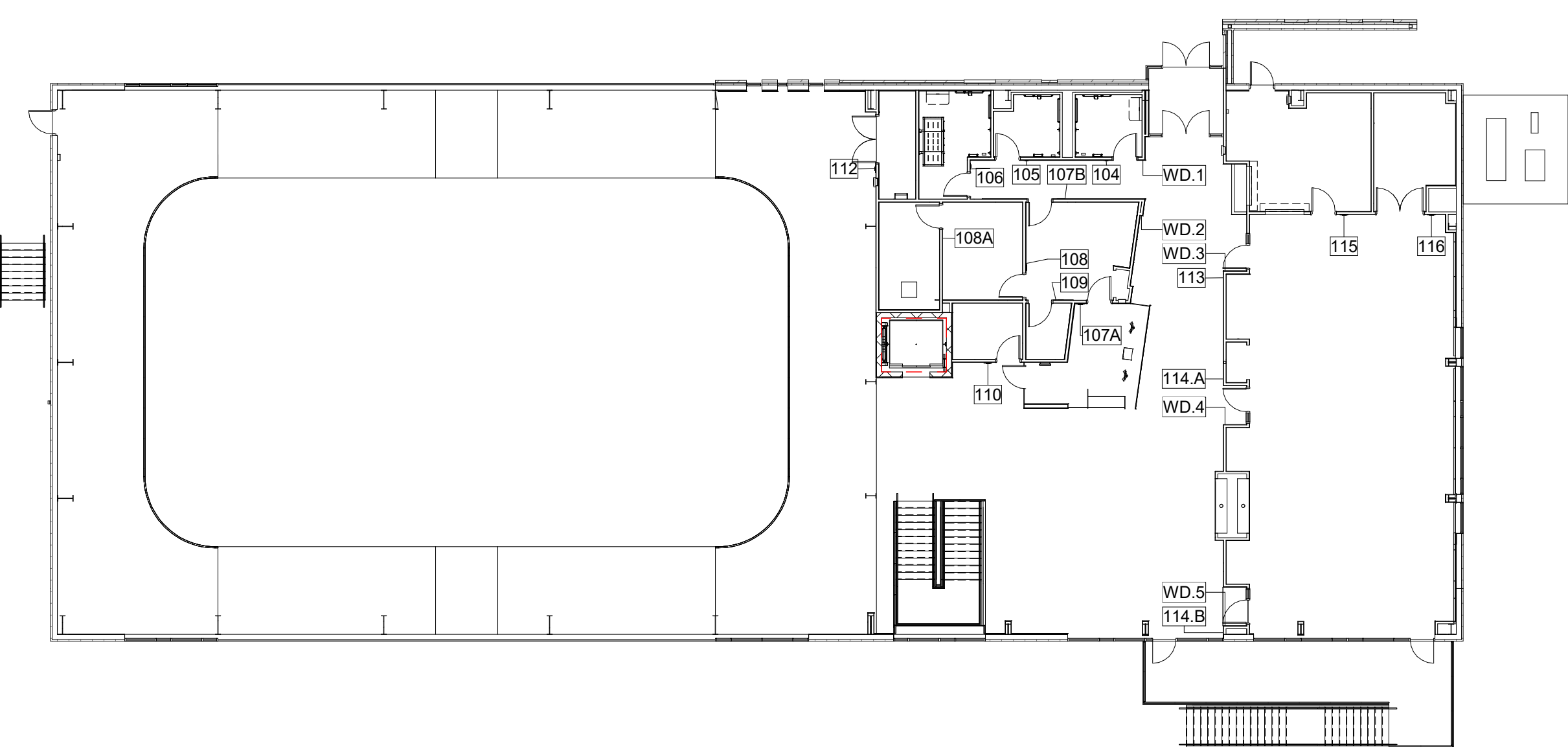
3 CASEWORK DETAIL - COMMUNITY ROOM SINK
 A541/ 1 1/2" = 1'-0"

2 CASEWORK DETAIL - TYPICAL RESTROOM COUNTER
 A541/ 1 1/2" = 1'-0"

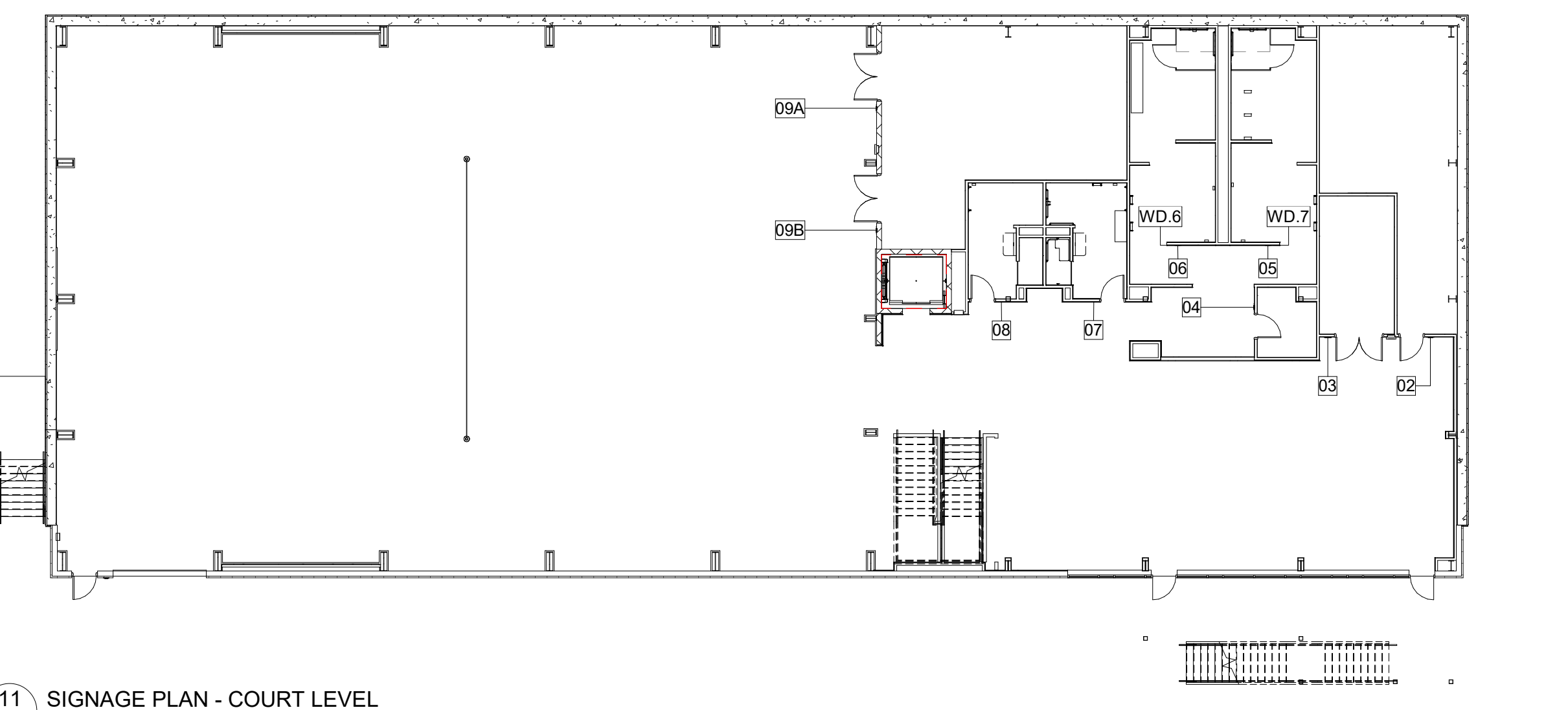
1 CASEWORK DETAIL - BUILT-IN CUBBIES AND BENCH
 A541/ 1 1/2" = 1'-0"



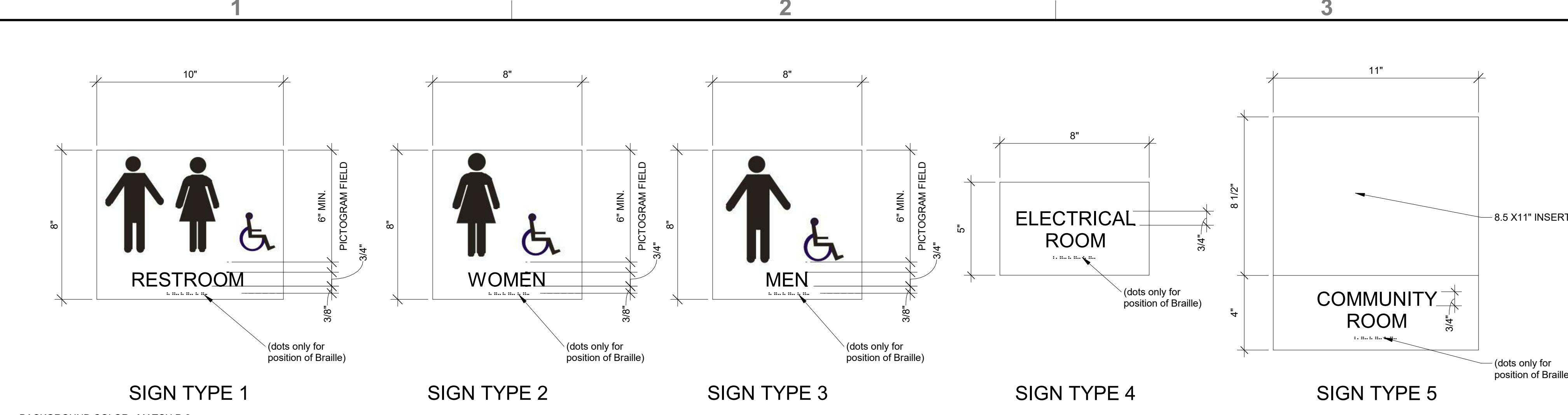
MARK	DATE	DESCRIPTION



12 SIGNAGE PLAN - MAIN LEVEL
 A561/ 1/16" = 1'-0"



11 SIGNAGE PLAN - COURT LEVEL
 A561/ 1/16" = 1'-0"

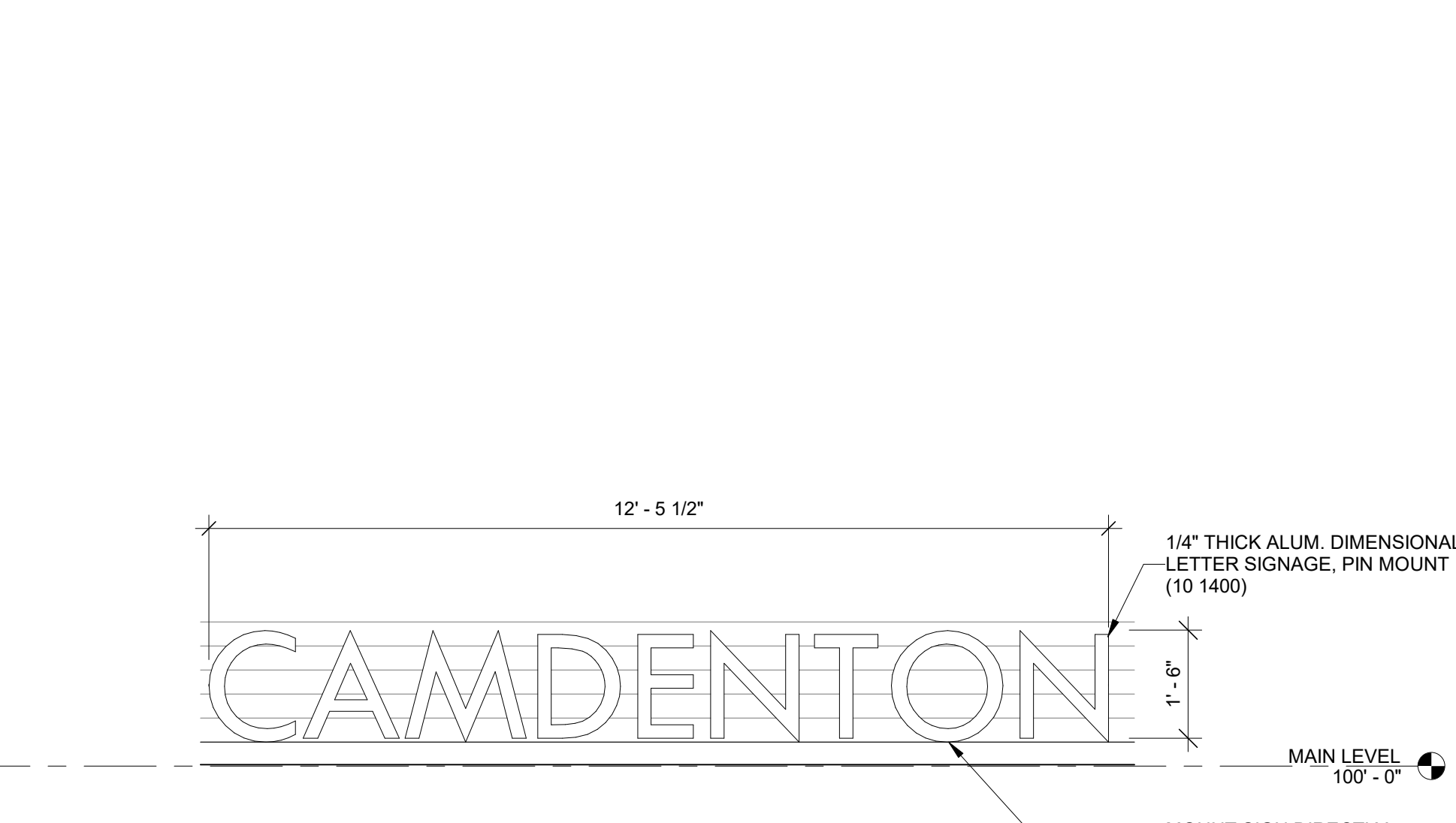


BACKGROUND COLOR: MATCH P-2
 LETTER/PICTOGRAM COLOR: WHITE
 TYPEFACE: FUTURA MEDIUM

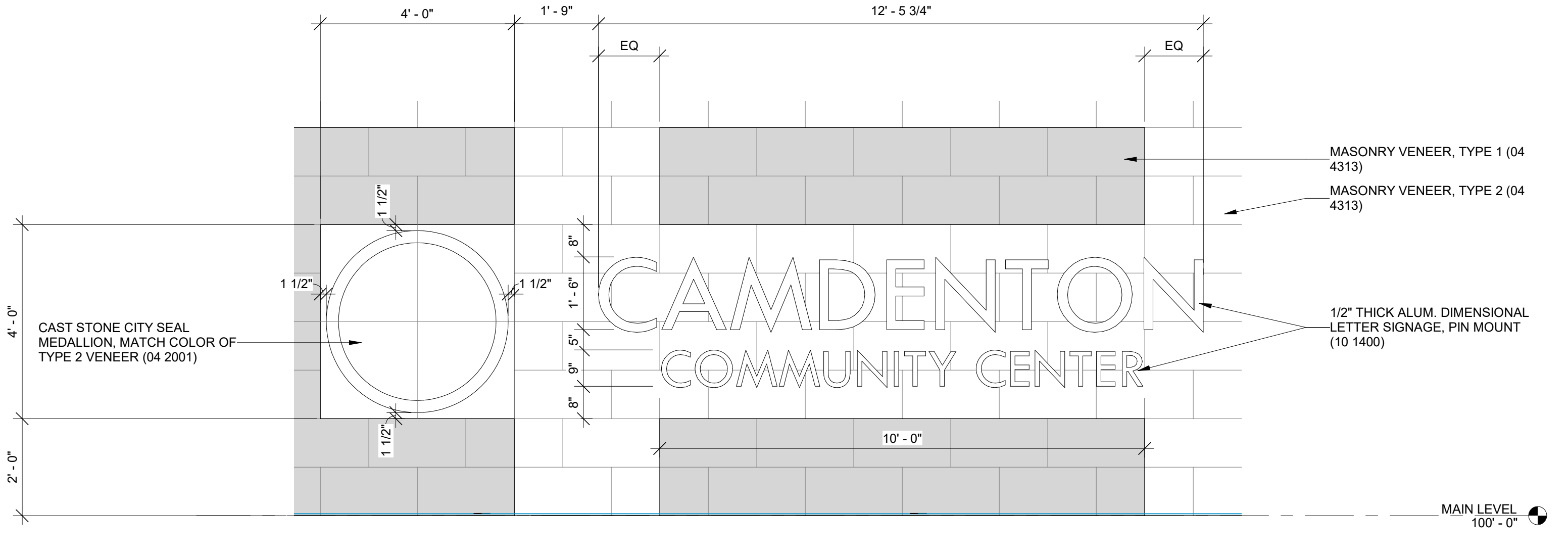
TYPES - SIGNAGE
 3" = 1'-0"

SIGNAGE SCHEDULE							
SIGN NO.	SIGN TYPE	TYPE DESCRIPTION	ROOM NO.	ROOM NAME	SIGN MESSAGE	MOUNTING LOCATION	COMMENTS
02	4	RAISED LETTERS; GRADE 2 BRAILLE	02	MECHANICAL	MECHANICAL	WALL	
03	4	RAISED LETTERS; GRADE 2 BRAILLE	03	FITNESS STOR.	FITNESS STORAGE	WALL	
04	4	RAISED LETTERS; GRADE 2 BRAILLE	04	CUSTODIAL	CUSTODIAL	WALL	
05	2	PICTOGRAM SIGN; RAISED LETTERS; GRADE 2 BRAILLE; WITH SYMBOLS	05	WOMENS	WOMENS	WALL	
06	3	PICTOGRAM SIGN; RAISED LETTERS; GRADE 2 BRAILLE; WITH SYMBOLS	06	MENS	MENS	WALL	
07	1	PICTOGRAM SIGN; RAISED LETTERS; GRADE 2 BRAILLE; WITH SYMBOLS	07	RESTROOM	RESTROOM	WALL	
08	1	PICTOGRAM SIGN; RAISED LETTERS; GRADE 2 BRAILLE; WITH SYMBOLS	08	RESTROOM	RESTROOM	WALL	
09A	4	RAISED LETTERS; GRADE 2 BRAILLE	09	STORAGE	STORAGE	WALL	
09B	4	RAISED LETTERS; GRADE 2 BRAILLE	09	STORAGE	STORAGE	WALL	
104	1	PICTOGRAM SIGN; RAISED LETTERS; GRADE 2 BRAILLE; WITH SYMBOLS	104	RR	RESTROOM	WALL	
105	1	PICTOGRAM SIGN; RAISED LETTERS; GRADE 2 BRAILLE; WITH SYMBOLS	105	RR	RESTROOM	WALL	
106	1	PICTOGRAM SIGN; RAISED LETTERS; GRADE 2 BRAILLE; WITH SYMBOLS	106	INCLUSIVE RR	RESTROOM	WALL	
107A	4	RAISED LETTERS; GRADE 2 BRAILLE	107	OPEN OFFICE	OPEN OFFICE	WALL	
107B	4	RAISED LETTERS; GRADE 2 BRAILLE	107	OPEN OFFICE	OPEN OFFICE	WALL	
108	4	RAISED LETTERS; GRADE 2 BRAILLE	108	PRIVATE OFFICE	PRIVATE OFFICE	WALL	
108A	4	RAISED LETTERS; GRADE 2 BRAILLE	108A	STORAGE/IT	STORAGE	WALL	
109	4	RAISED LETTERS; GRADE 2 BRAILLE	109	STOR.	STORAGE	WALL	
110	4	RAISED LETTERS; GRADE 2 BRAILLE	110	CUSTODIAL	CUSTODIAL	WALL	
112	4	RAISED LETTERS; GRADE 2 BRAILLE	112	STOR.	STORAGE	WALL	
113	5	RAISED LETTERS; GRADE 2 BRAILLE; 8.5X11 INCH INSERT FOR REMOVABLE SIGNAGE	113	COMMUNITY ROOM A	COMMUNITY ROOM A	WALL	
114A	5	RAISED LETTERS; GRADE 2 BRAILLE; 8.5X11 INCH INSERT FOR REMOVABLE SIGNAGE	114	COMMUNITY ROOM B	COMMUNITY ROOM B	WALL	
114B	5	RAISED LETTERS; GRADE 2 BRAILLE; 8.5X11 INCH INSERT FOR REMOVABLE SIGNAGE	114	COMMUNITY ROOM B	COMMUNITY ROOM B	WALL	
115	4	RAISED LETTERS; GRADE 2 BRAILLE	115	KITCHEN	KITCHEN	WALL	
116	4	RAISED LETTERS; GRADE 2 BRAILLE	116	STORAGE	STORAGE	WALL	

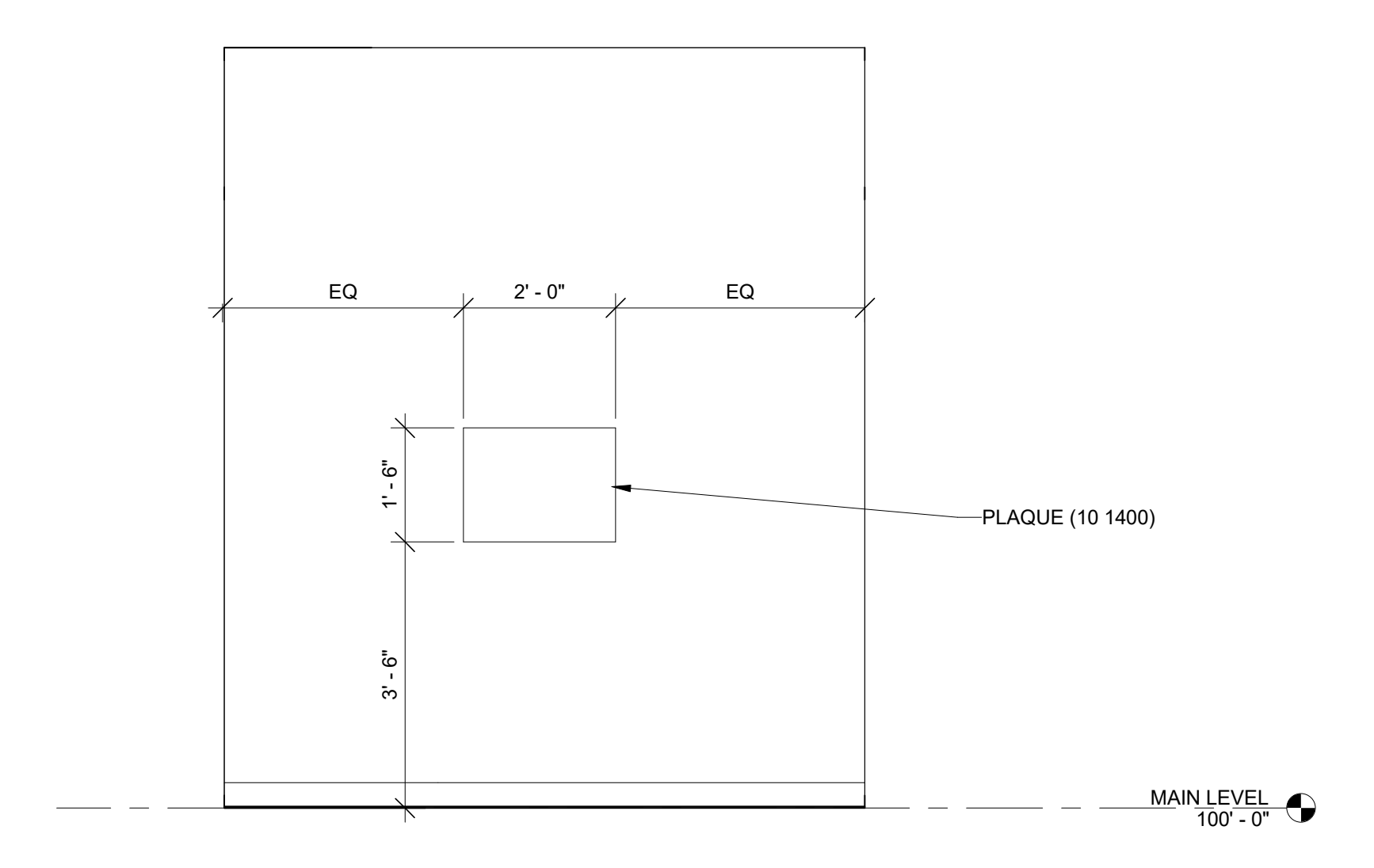
REFER TO SPECIFICATIONS FOR MISC REMAINING SIGNAGE



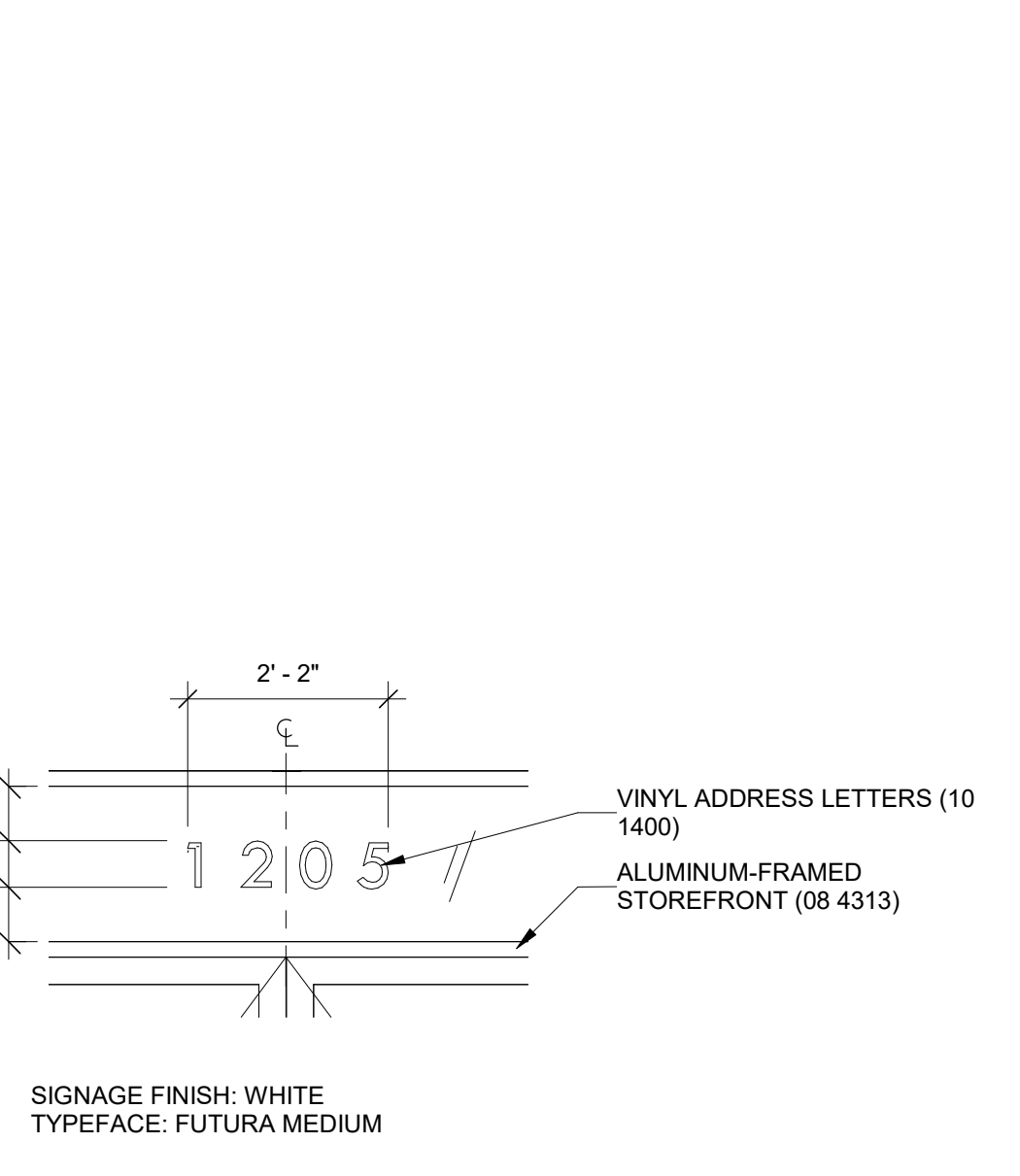
10 SIGNAGE ELEVATION - CONTROL DESK
 A561/ 1/2" = 1'-0"



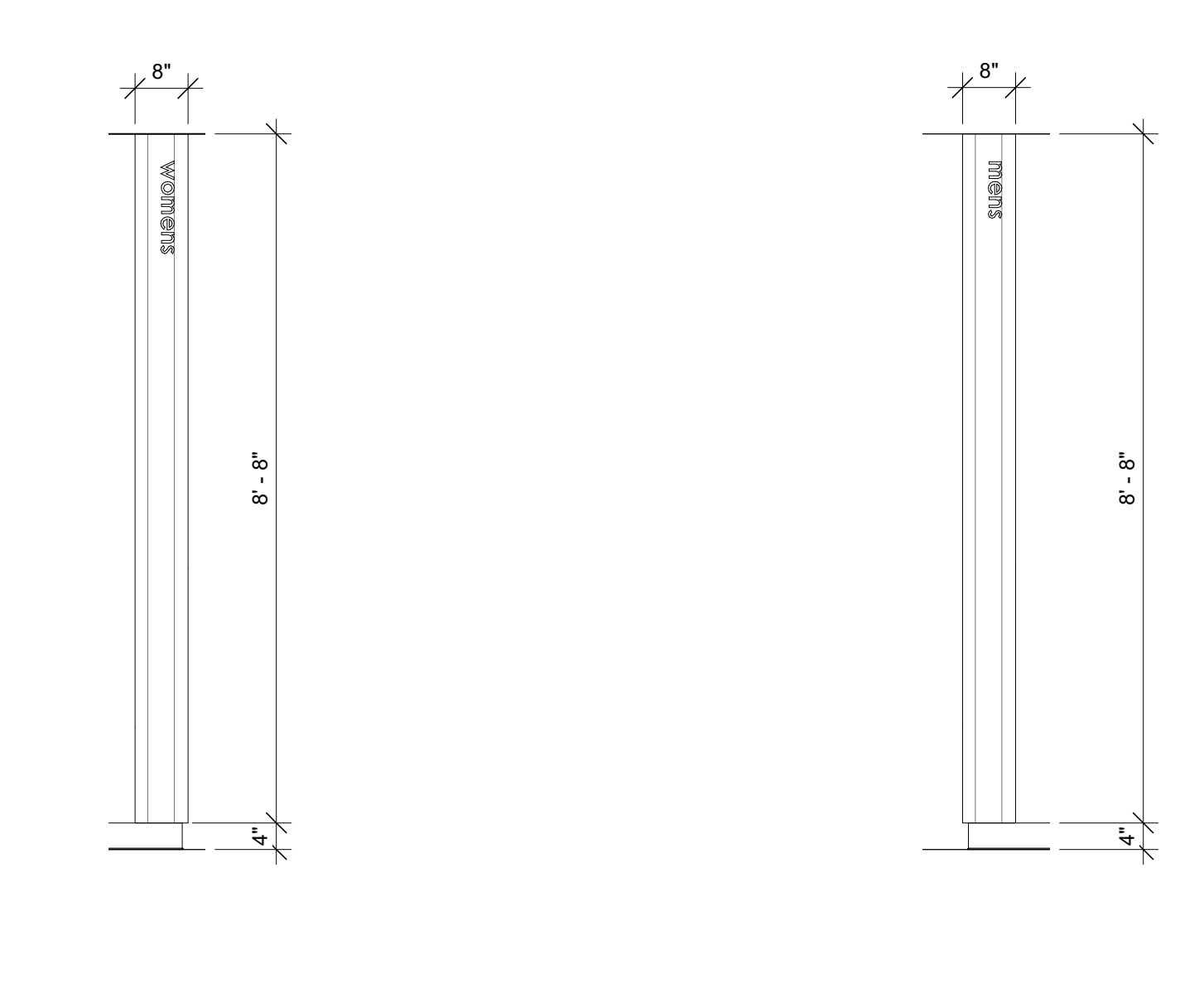
9 SIGNAGE ELEVATION - STONE MEDALIAN AND SIGNAGE
 A561/ 1/2" = 1'-0"



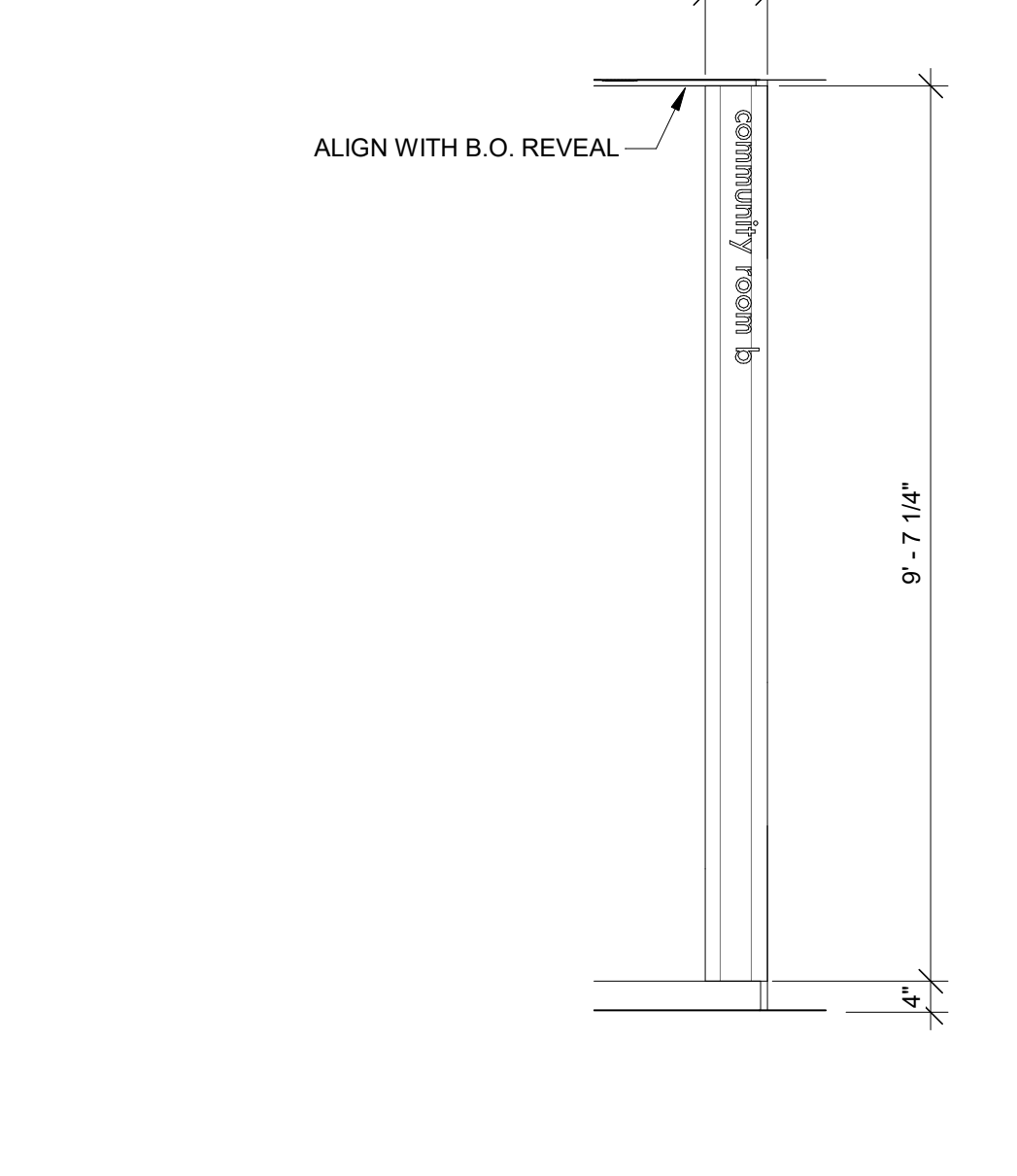
8 SIGNAGE ELEVATION - PLAQUE ON EAST WALL OF VESTIBULE
 A561/ 1/2" = 1'-0"



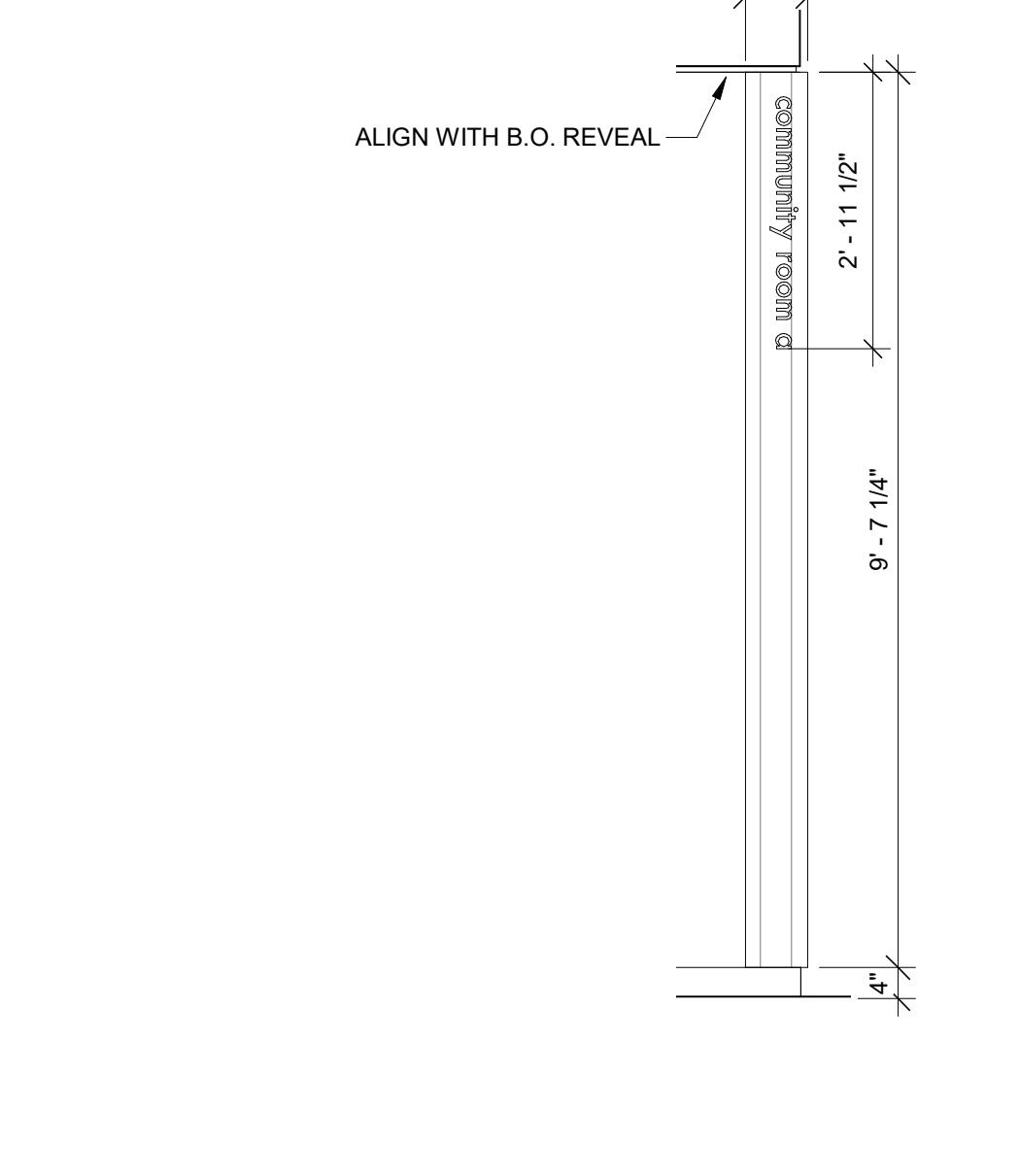
7 SIGNAGE ELEVATION - VINYL ADDRESS
 A561/ 1/2" = 1'-0"



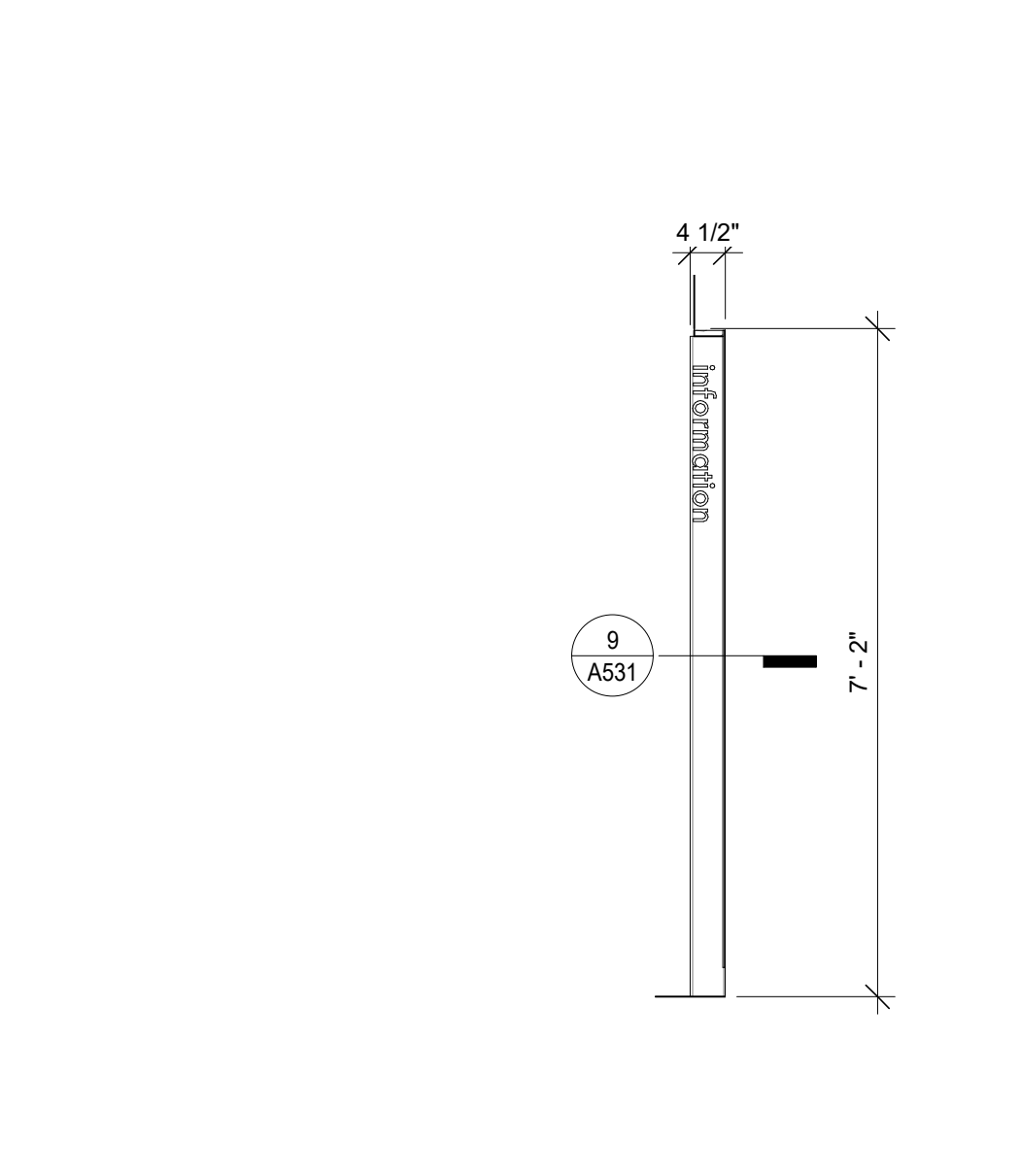
6 SIGNAGE ELEVATION - WD.7
 A561/ 1/2" = 1'-0"



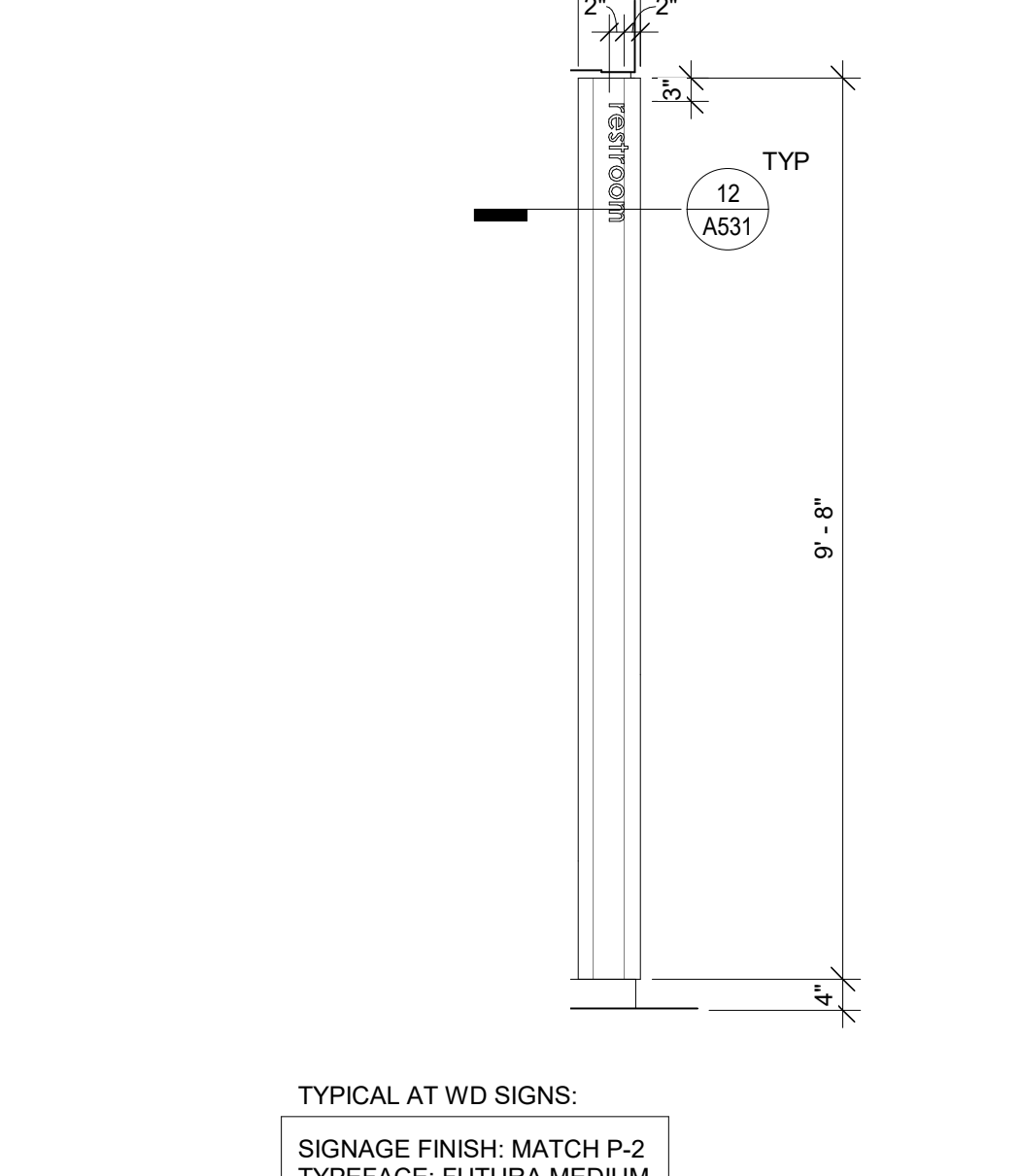
5 SIGNAGE ELEVATION - WD.6
 A561/ 1/2" = 1'-0"



4 SIGNAGE ELEVATION - WD.4 AND WD.5
 A561/ 1/2" = 1'-0"



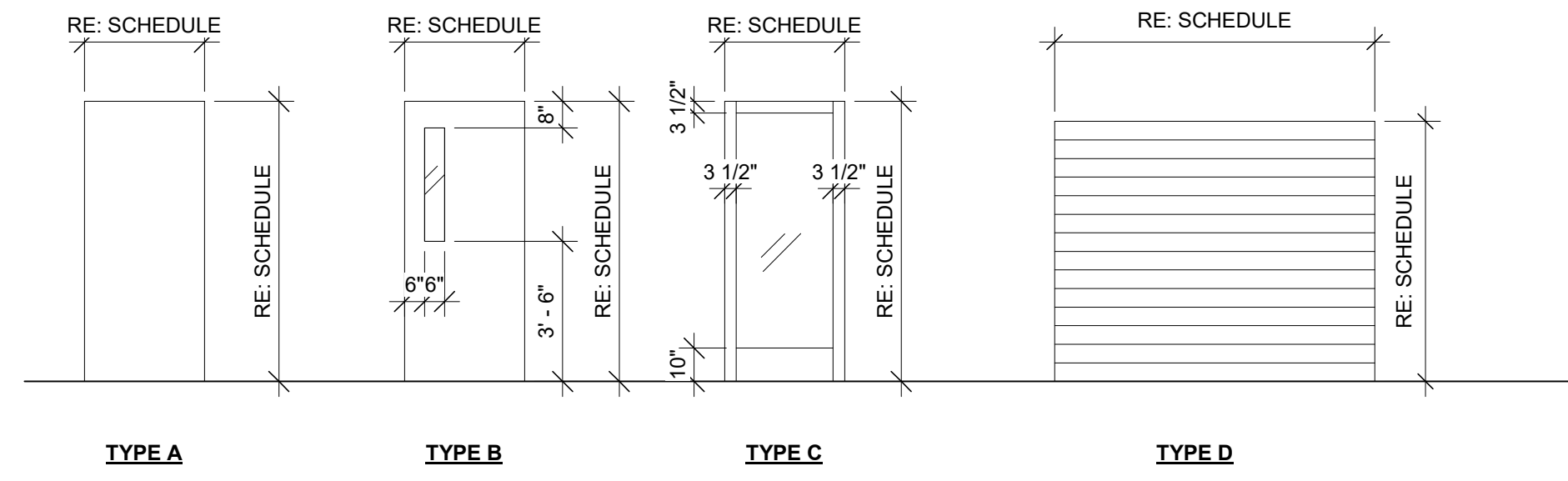
3 SIGNAGE ELEVATION - WD.3
 A561/ 1/2" = 1'-0"



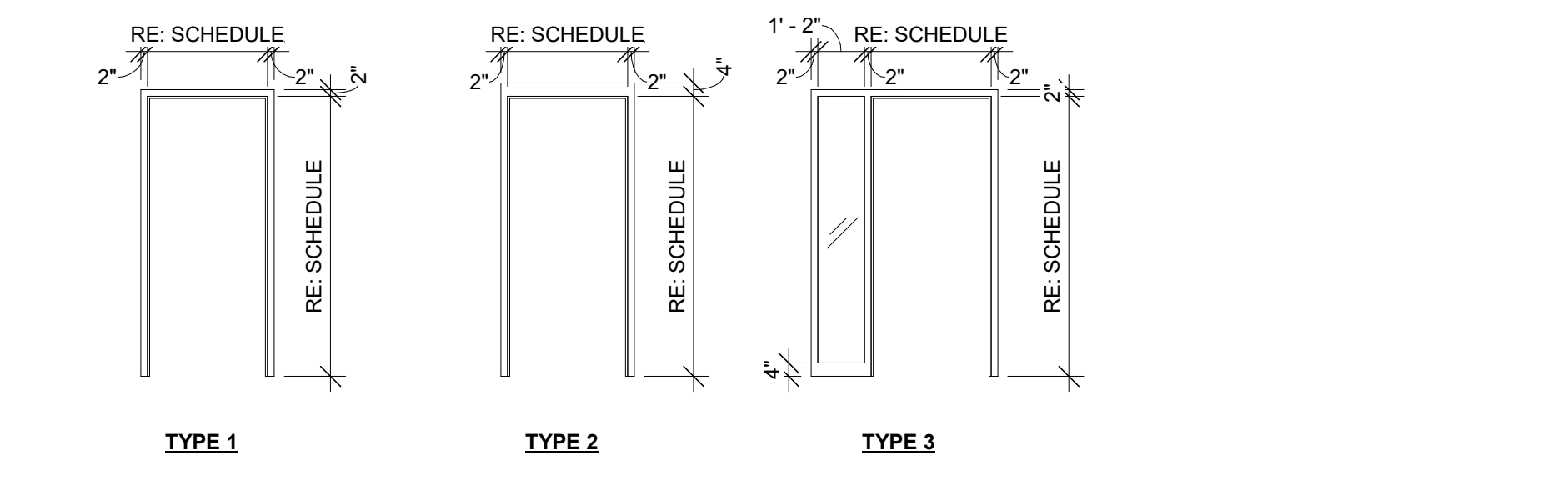
2 SIGNAGE ELEVATION - WD.2 SOUTH
 A561/ 1/2" = 1'-0"



1 SIGNAGE ELEVATION - WD.1
 A561/ 1/2" = 1'-0"



TYPES - DOORS
1/4" = 1'-0"

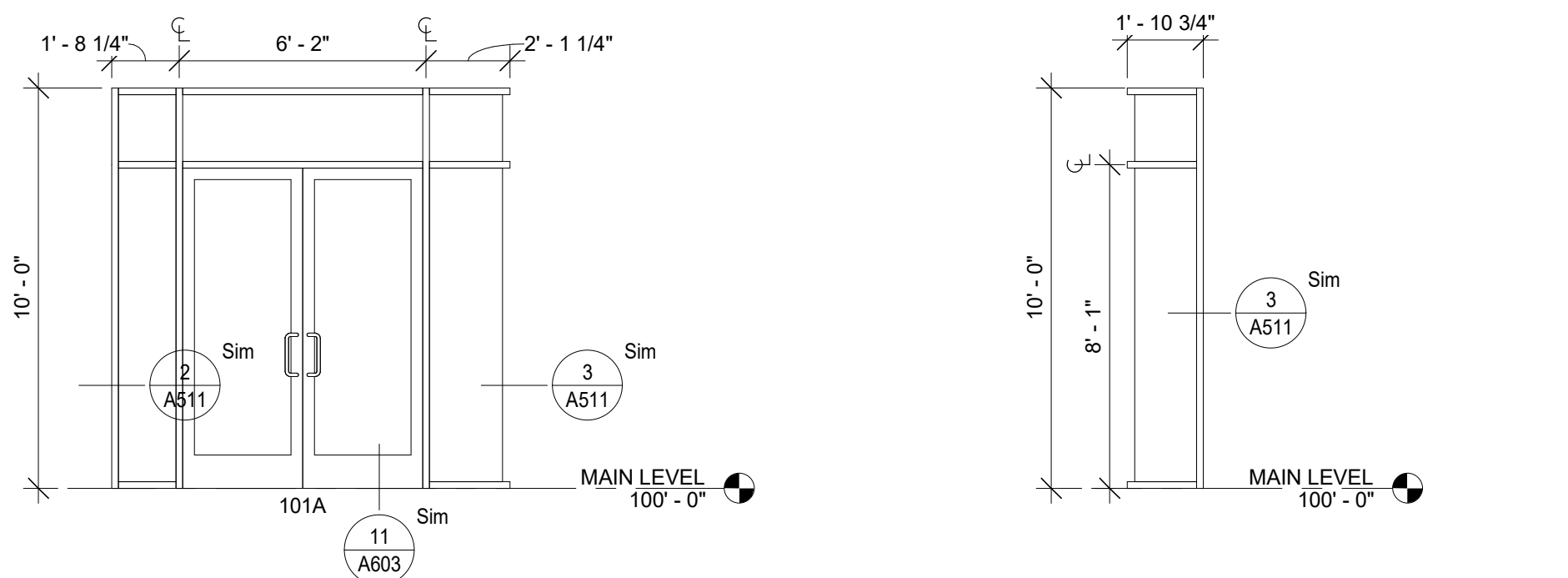


TYPES - FRAMES
1/4" = 1'-0"

DOOR SCHEDULE REFERENCED NOTES LEGEND
 1. EGRESS DOOR
 2. ADA AUTOMATIC OPENER
 3. CARD READER
 4. HOLD OPEN
 5. DOOR POSITION MONITORING
 6. OCCUPANCY INDICATOR

REFERENCE 08 7100 FOR HARDWARE SET DESCRIPTIONS

DOOR NUMBER	DOOR TYPE	MATERIAL	WIDTH	HEIGHT	THICKNESS	GLASS		FRAME		GLASS TYPE	HARDWARE	REFERENCED GENERAL NOTES
						TYPE	MATERIAL	TYPE	TYPE			
01A	C	ALUM.	3'-0"	8'-0"	1 3/4"						05	1.5
01B	C	ALUM.	3'-0"	8'-0"	1 3/4"	IG-1	ALUM.	SF			04	1.3,5
02	A	HM	3'-0"	7'-0"	1 3/4"						10	3
03	A	HM	6'-0"	7'-0"	1 3/4"						14	4
04	A	HM	3'-0"	7'-0"	1 3/4"						12	
07	A	WD	3'-0"	7'-0"	1 3/4"						16	6
08	A	WD	3'-0"	7'-0"	1 3/4"						16	6
08A	A	HM	6'-0"	7'-0"	1 3/4"						14	4
08B	A	HM	6'-0"	7'-0"	1 3/4"						14	4
10A	A	HM	3'-0"	7'-0"	1 3/4"						03	1.3,5
10B	D		12'-0"	8'-0"	1 1/2"						17	OVERHEAD COILING DOOR, 5
101A	C	ALUM.	6'-0"	8'-0"	1 3/4"	IG-1	ALUM.	SF			01	1.2,3,5
101B	C	ALUM.	6'-0"	8'-0"	1 3/4"	IG-1	ALUM.	SF			02	1.2
102	C	ALUM.	3'-0"	8'-0"	1 3/4"	IG-1	ALUM.	SF			04	1.3,5
104	A	WD	3'-0"	7'-0"	1 3/4"						16	6
105	A	WD	3'-0"	7'-0"	1 3/4"						16	6
106	A	WD	3'-0"	7'-0"	1 3/4"						19	2,6
107A	B	WD	3'-0"	7'-0"	1 3/4"	G-1					09	3,4
107B	A	WD	3'-0"	7'-0"	1 3/4"						09	3
108	A	HM	3'-0"	7'-0"	1 3/4"						18	
108A	A	HM	3'-0"	7'-0"	1 3/4"						12	
109	A	HM	3'-0"	7'-0"	1 3/4"						12	
110	A	WD	3'-0"	7'-0"	1 3/4"						12	
111	A	HM	3'-0"	7'-0"	1 3/4"						06	1.5
112	A	HM	6'-0"	7'-0"	1 3/4"						11	3
113	A	WD	3'-0"	7'-0"	1 3/4"						08	4
114A	A	WD	3'-0"	7'-0"	1 3/4"						08	4
114B	A	WD	3'-0"	7'-0"	1 3/4"						08	4
114C	C	ALUM.	3'-0"	8'-0"	1 3/4"	IG-1	ALUM.	SF			05	1.5
115A	A	WD	3'-0"	7'-0"	1 3/4"						15	
115B	D		5'-0"	4'-0"	2"						17	COILING COUNTER DOOR
115C	D		5'-0"	4'-0"	2"						17	COILING COUNTER DOOR
115D	A	HM	3'-0"	7'-0"	1 3/4"						07	3.5
116	A	WD	6'-0"	7'-0"	1 3/4"						13	4



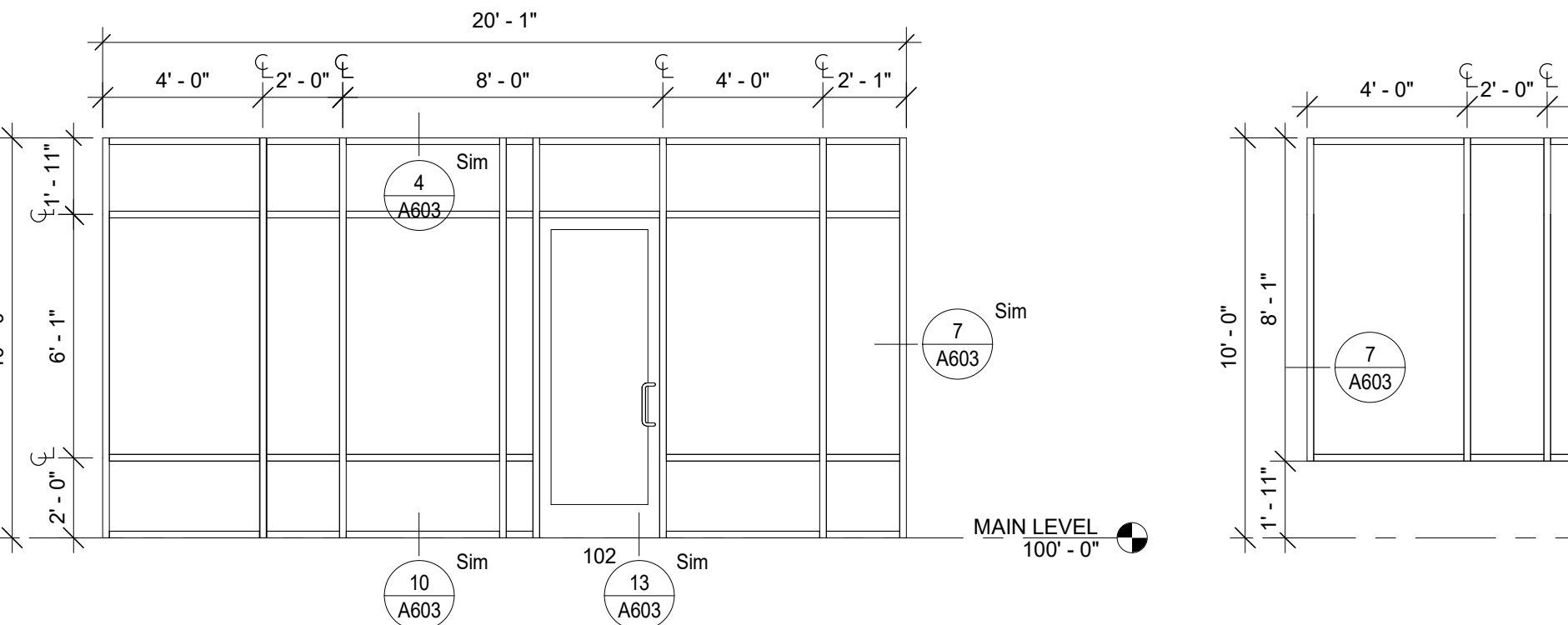
11 STOREFRONT ELEVATION - TYPE A
A601/ 1/4" = 1'-0"

10 STOREFRONT ELEVATION - TYPE B
A601/ 1/4" = 1'-0"

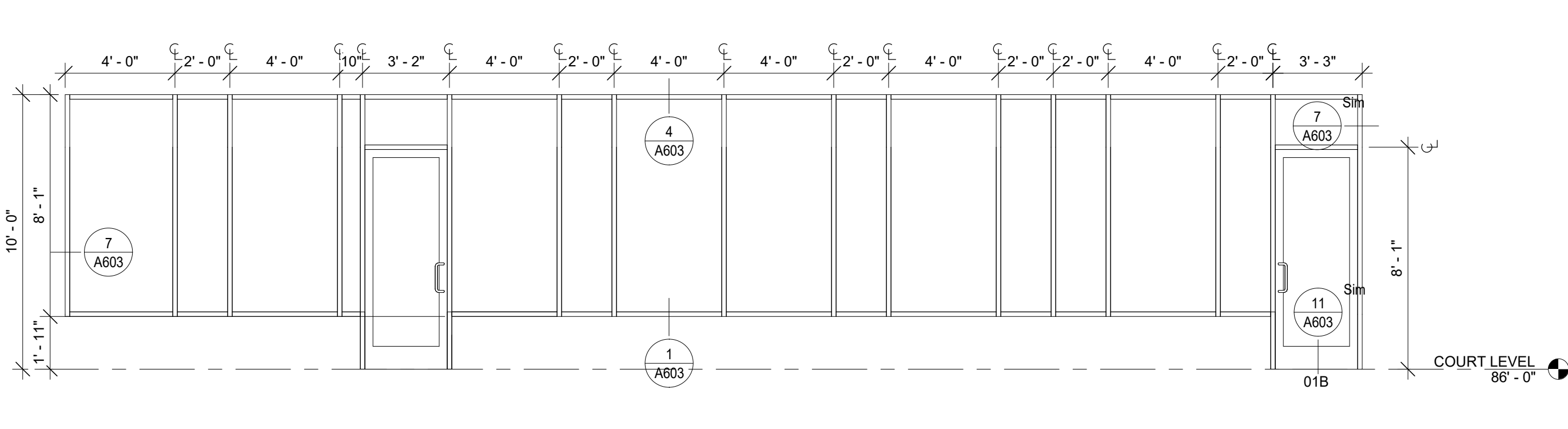
9 STOREFRONT ELEVATION - TYPE C
A601/ 1/4" = 1'-0"

8 STOREFRONT ELEVATION - TYPE D
A601/ 1/4" = 1'-0"

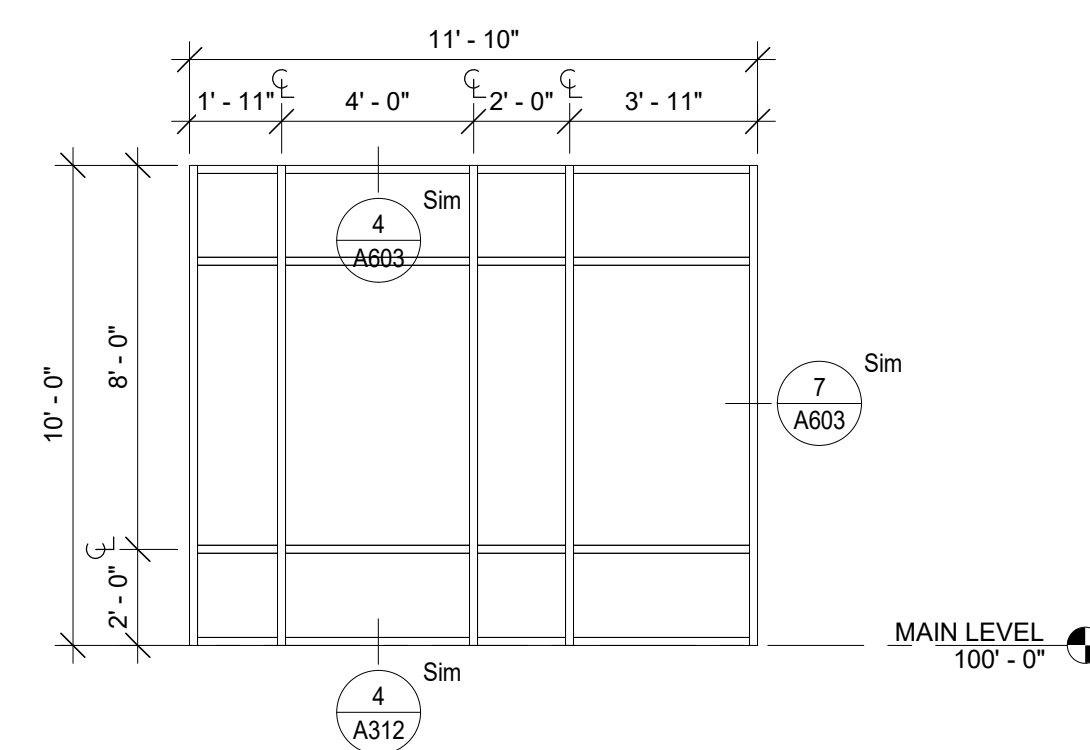
7 STOREFRONT ELEVATION - TYPE E
A601/ 1/4" = 1'-0"



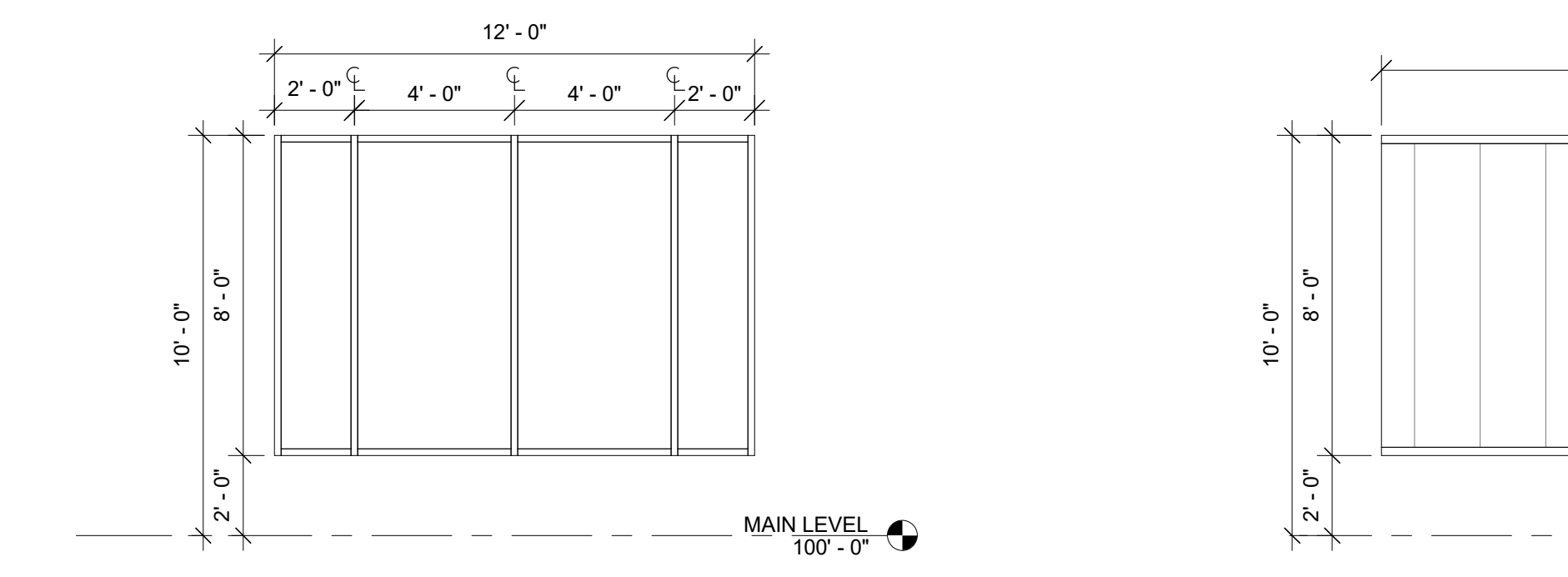
6 STOREFRONT ELEVATION - TYPE F
A601/ 1/4" = 1'-0"



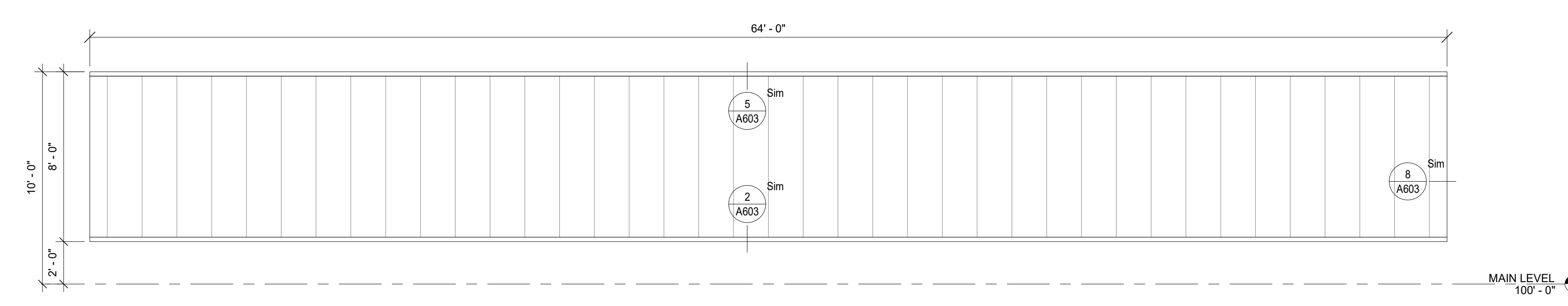
5 STOREFRONT ELEVATION - TYPE G
A601/ 1/4" = 1'-0"



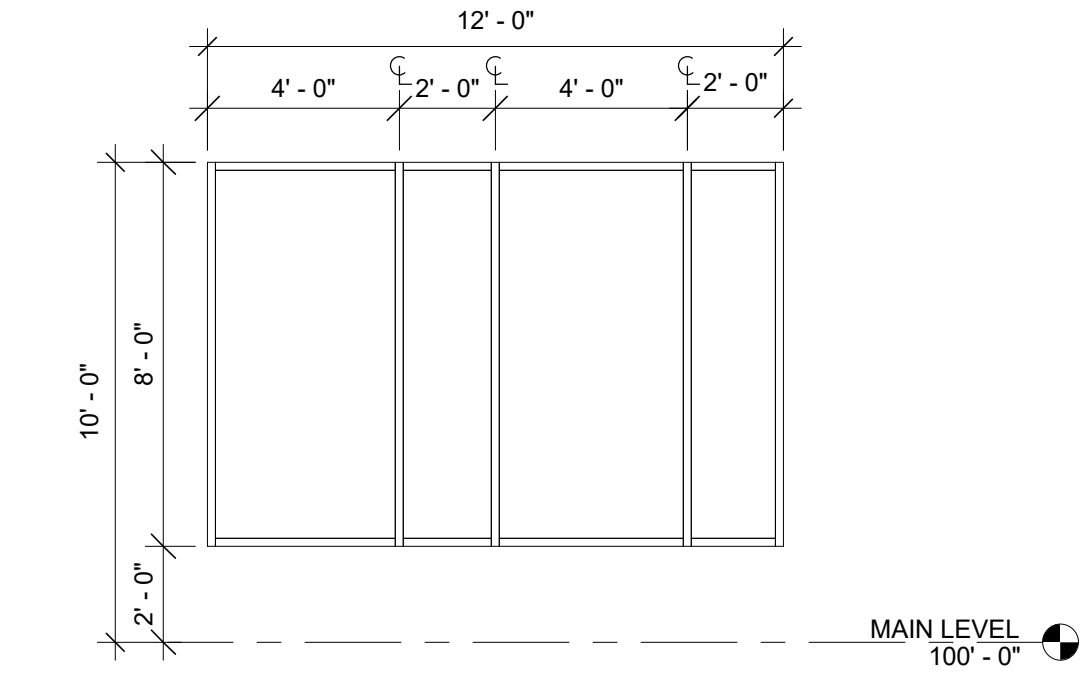
4 STOREFRONT ELEVATION - TYPE H
A601/ 1/4" = 1'-0"



3 STOREFRONT ELEVATION - TYPE I
A601/ 1/4" = 1'-0"



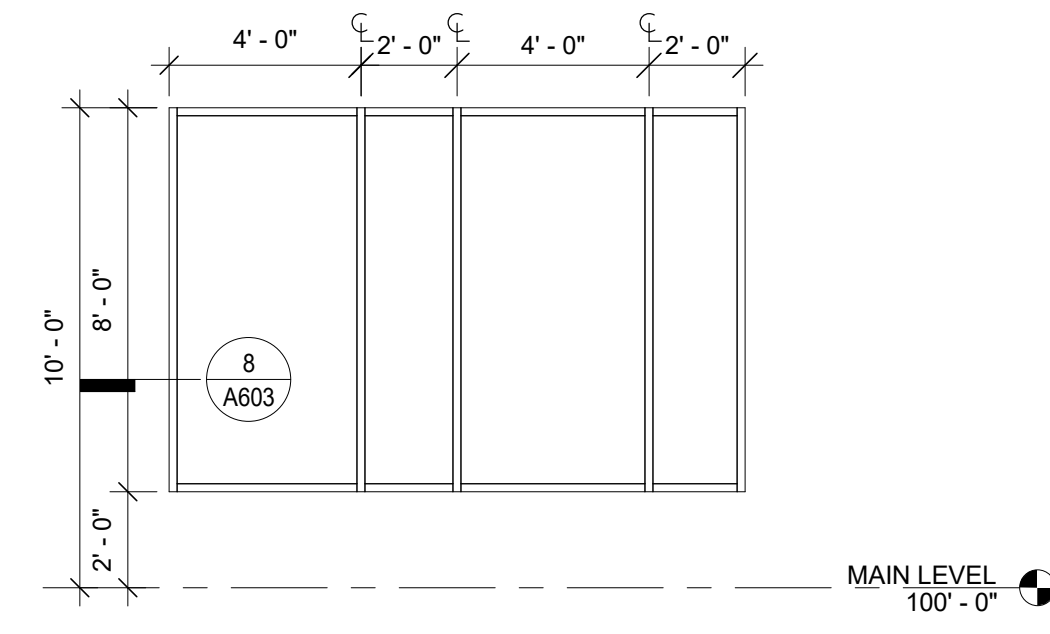
2 POLYCARBONATE ELEVATION - TYPE J
A601/ 1/4" = 1'-0"



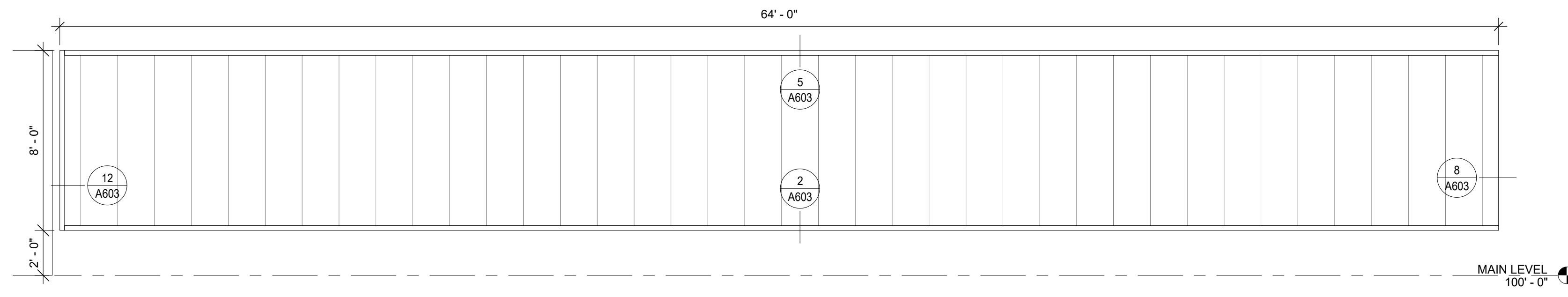
1 STOREFRONT ELEVATION - TYPE K
A601/ 1/4" = 1'-0"

GLAZING TYPE LEGEND
 REFER TO SECTION 08 8000 - GLAZING FOR FULL REQUIREMENTS OF EACH TYPE
 IG-1 1" INSULATED GLAZING UNIT WITH LOW-E COATING
 LOCATIONS: ALL EXTERIOR GLAZING
 G-1 1/4" MONOLITHIC CLEAR GLAZING
 LOCATIONS: ALL INTERIOR GLAZING
 ALL GLASS TYPES TO BE TEMPERED SAFETY GLAZING

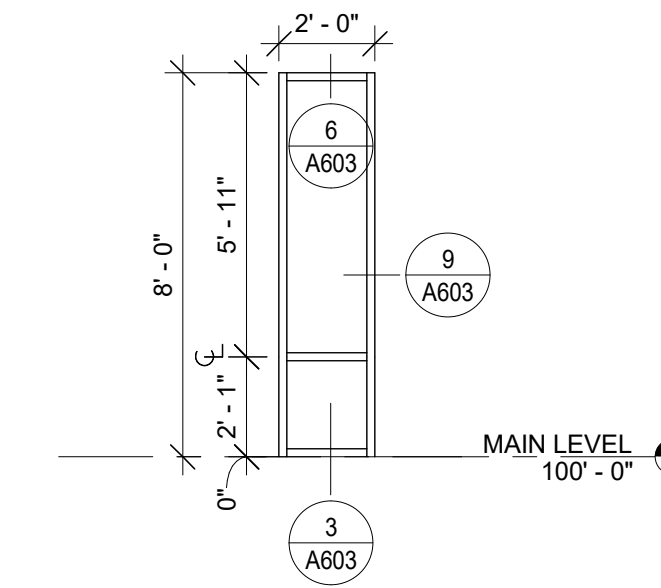
MARK	DATE	DESCRIPTION
1	04.23.21	BID SET



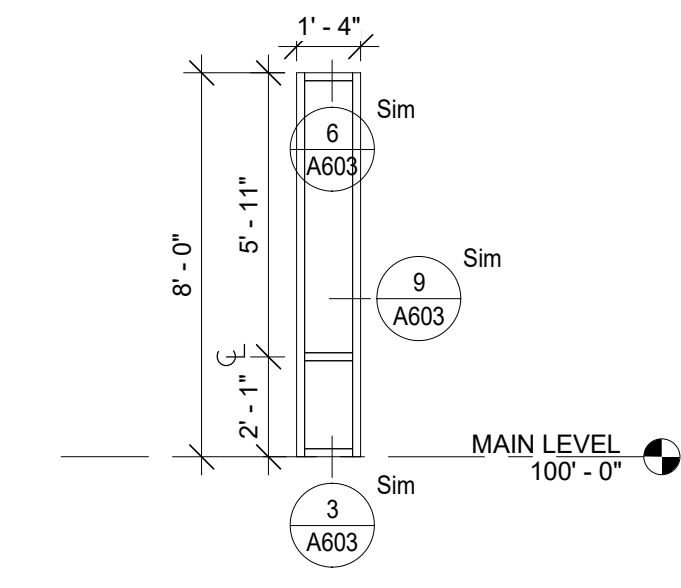
4 STOREFRONT ELEVATION - TYPE L
A602/ 1/4" = 1'-0"



3 POLYCARBONATE ELEVATION - TYPE M
A602/ 1/4" = 1'-0"



2 STOREFRONT ELEVATION - TYPE N
A602/ 1/4" = 1'-0"



1 STOREFRONT ELEVATION - TYPE O
A602/ 1/4" = 1'-0"

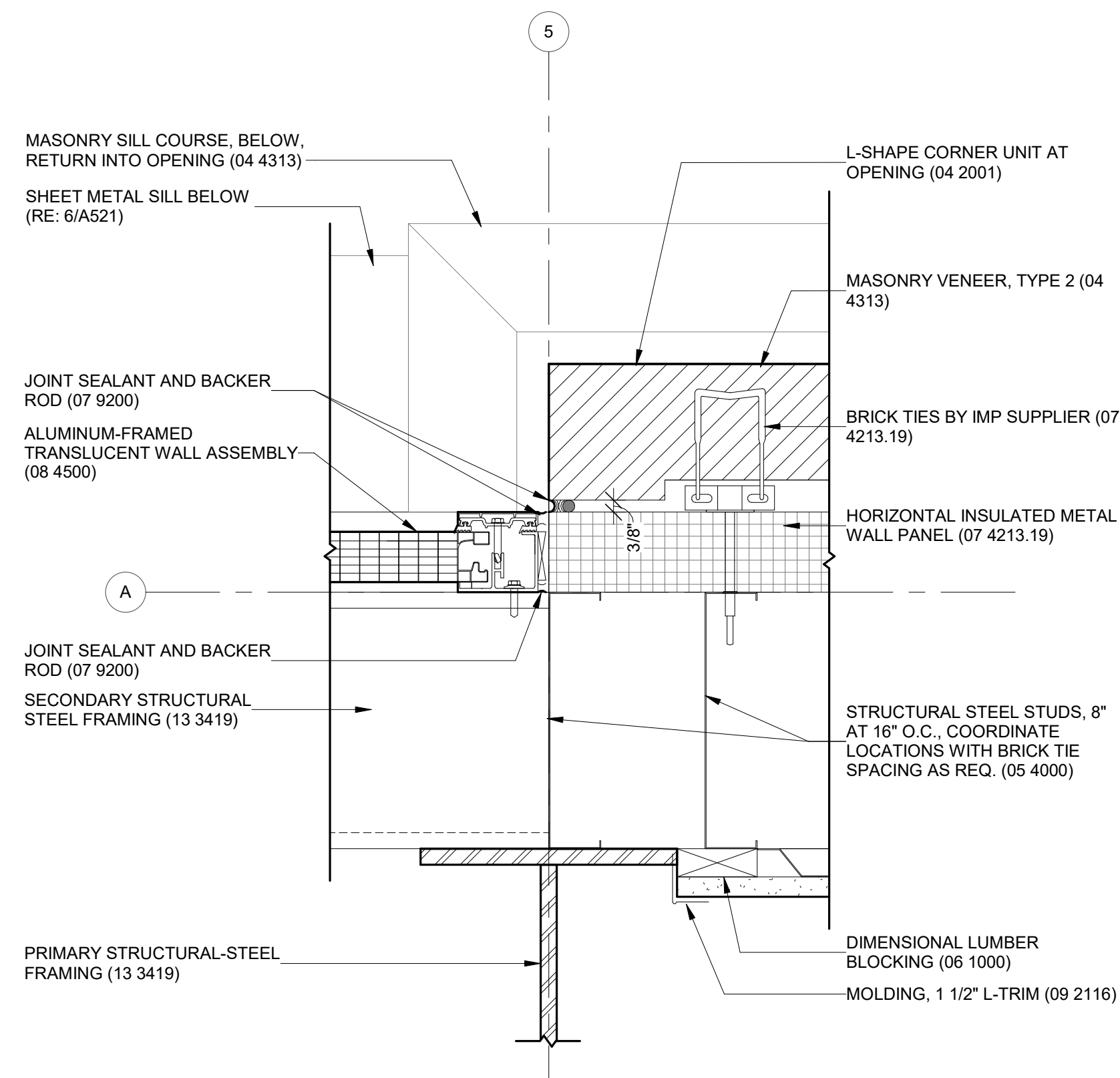
MARK	DATE	DESCRIPTION

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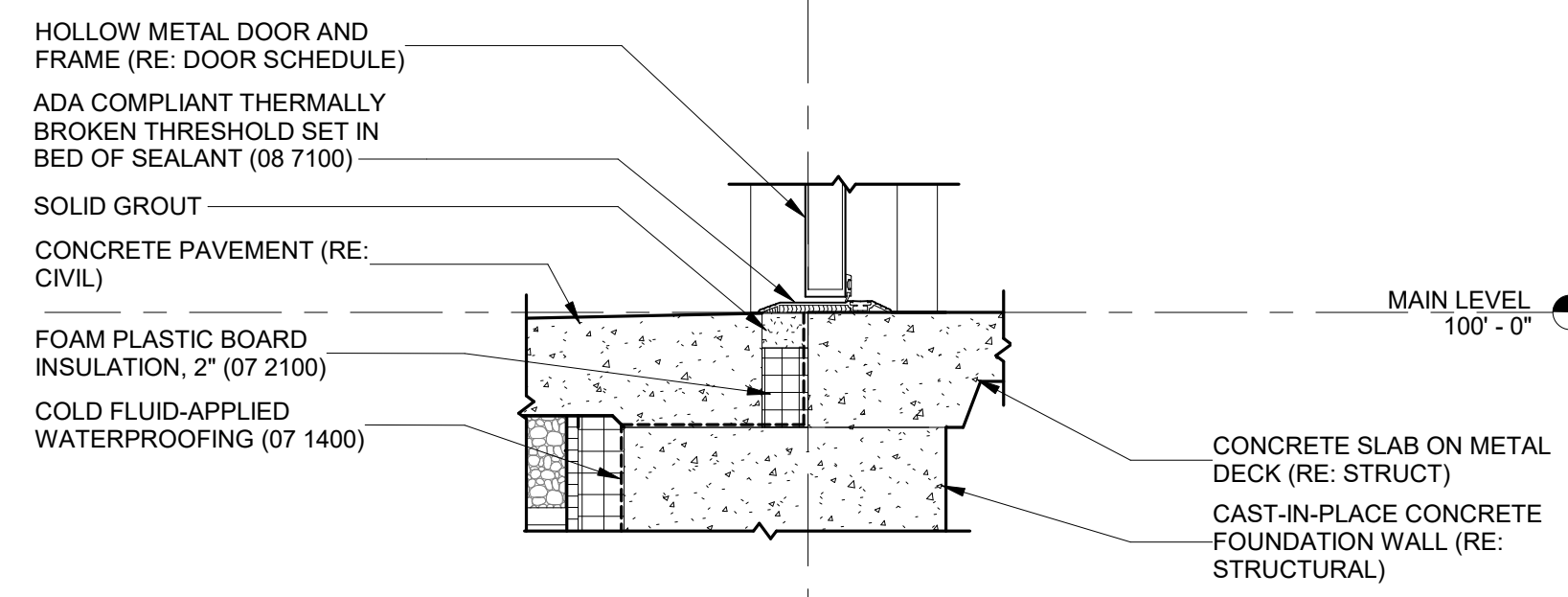
C

B

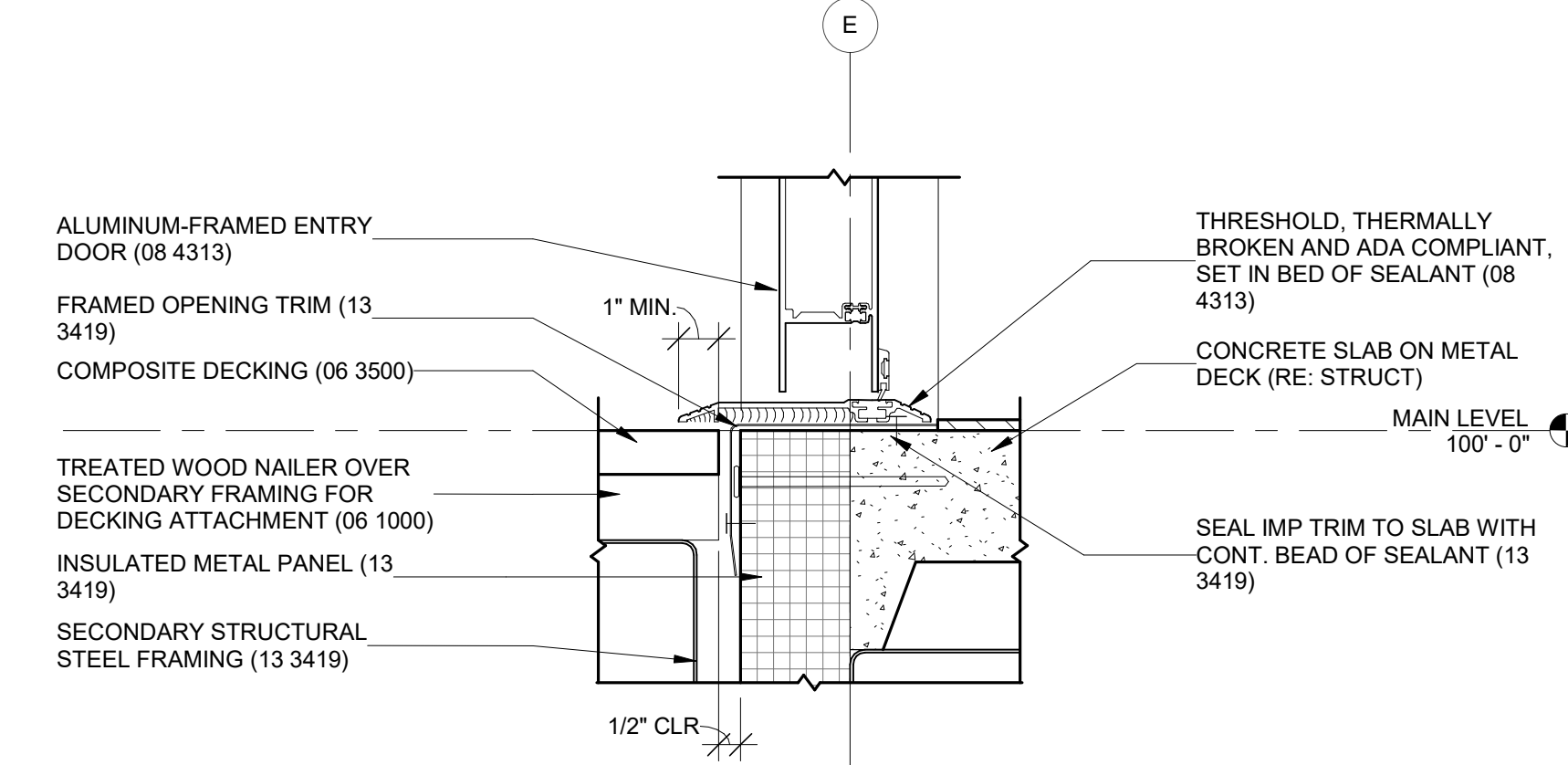
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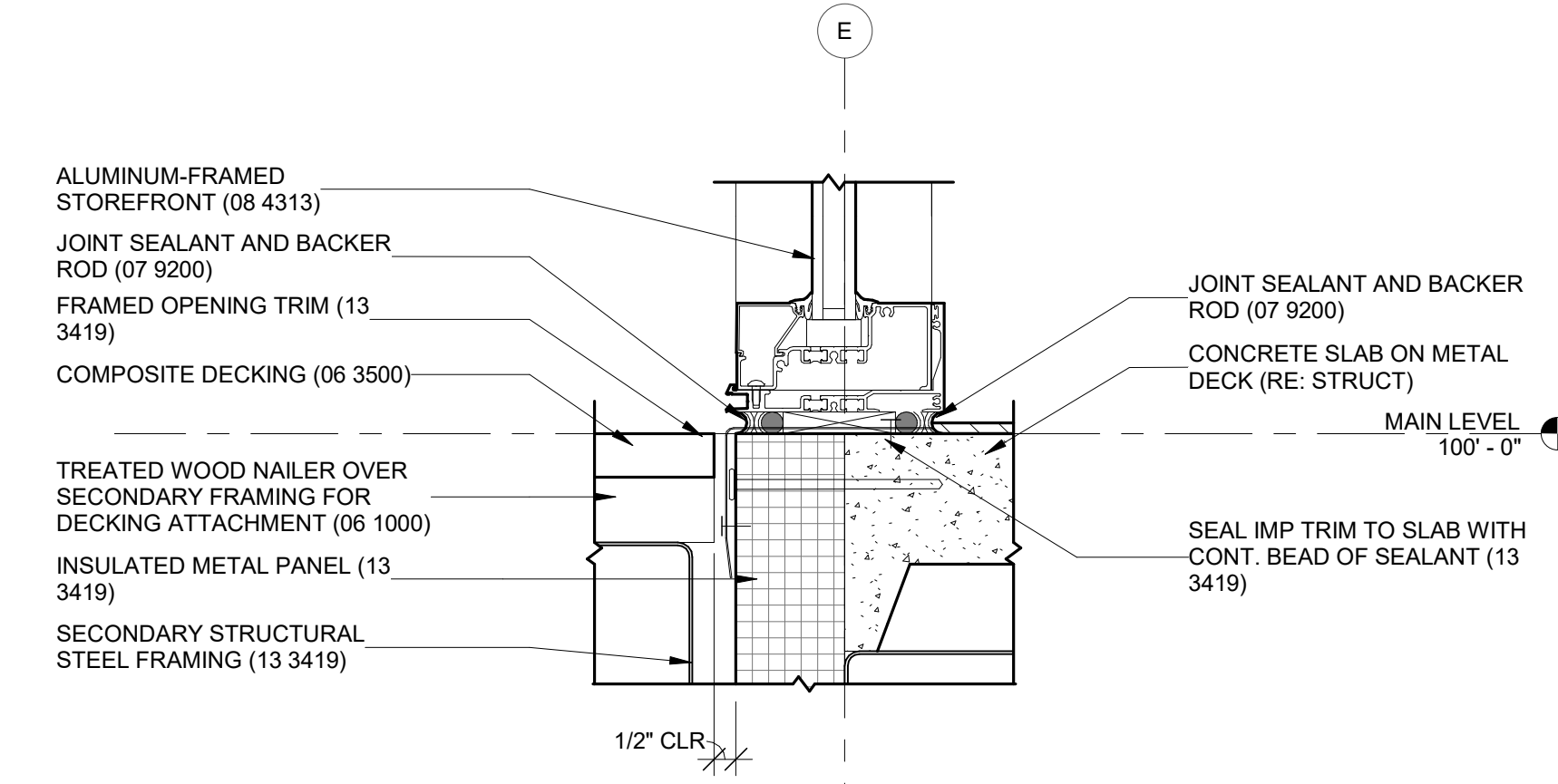
12 WINDOW DETAIL - POLYCARBONATE JAMB AT MASONRY
A603/ 3" = 1'-0"



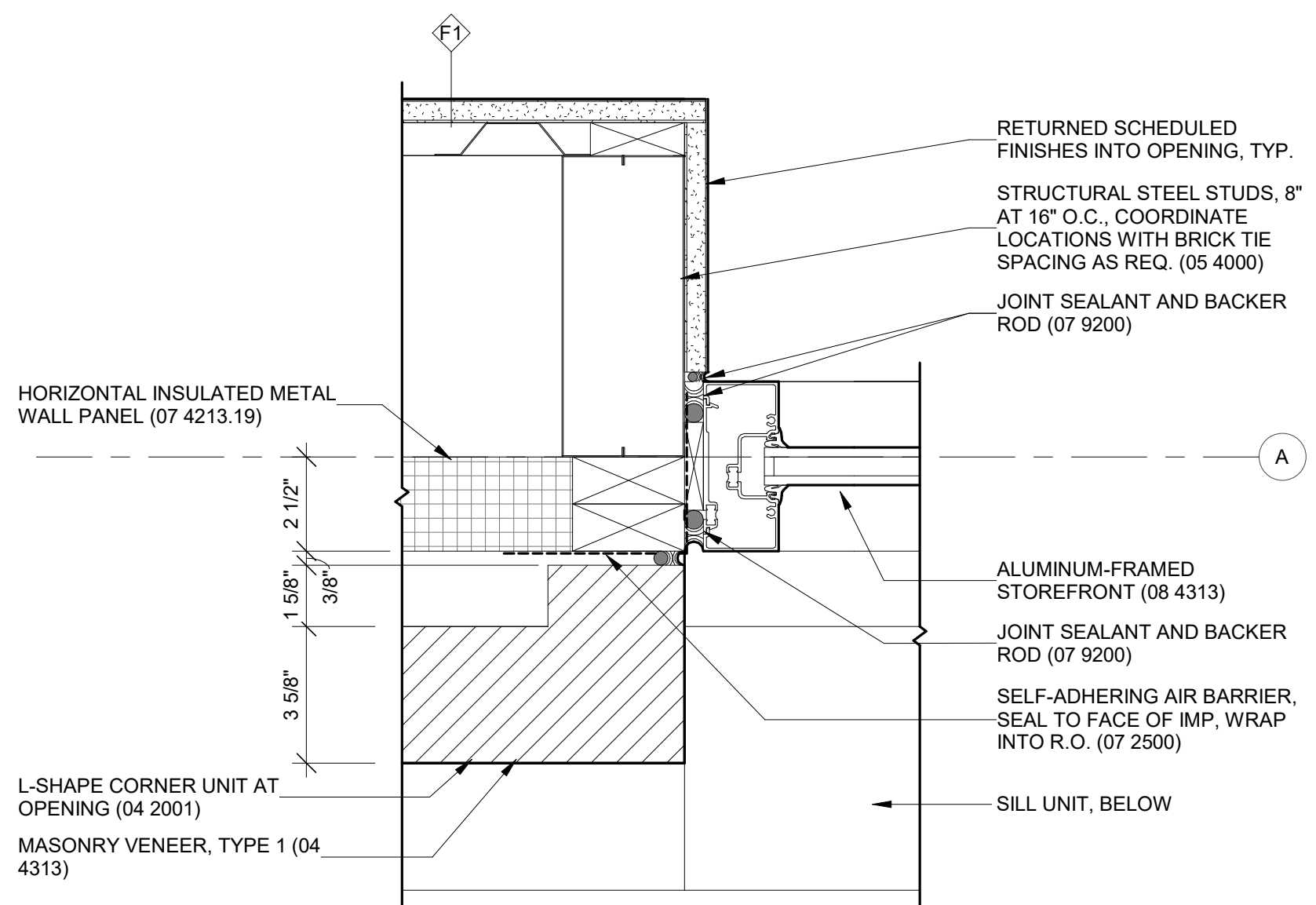
11 SECTION DETAIL - DOOR SILL AT FOUNDATION WALL
A603/ 1 1/2" = 1'-0"



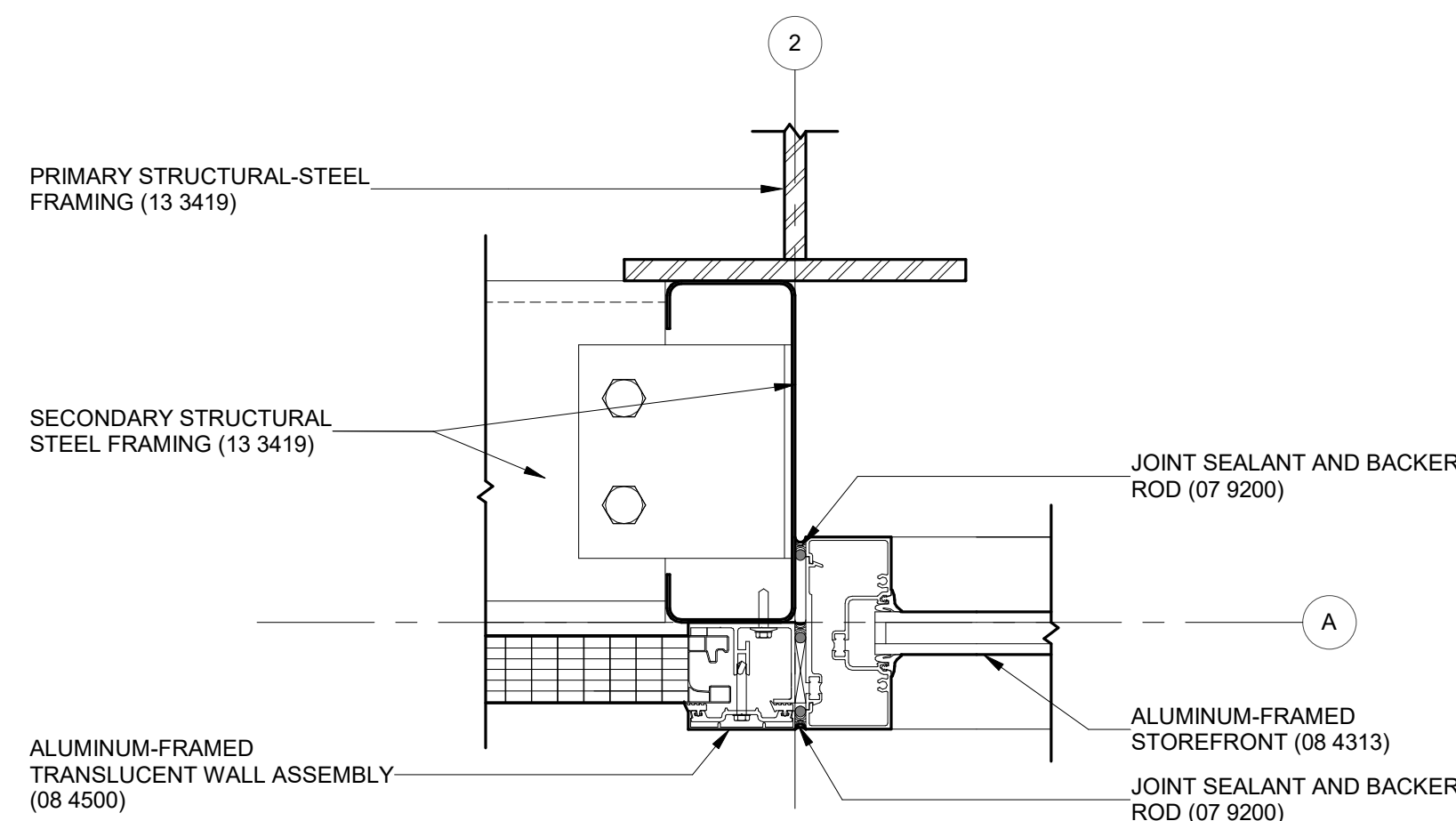
13 WINDOW DETAIL - DOOR SILL AT DECK
A603/ 3" = 1'-0"



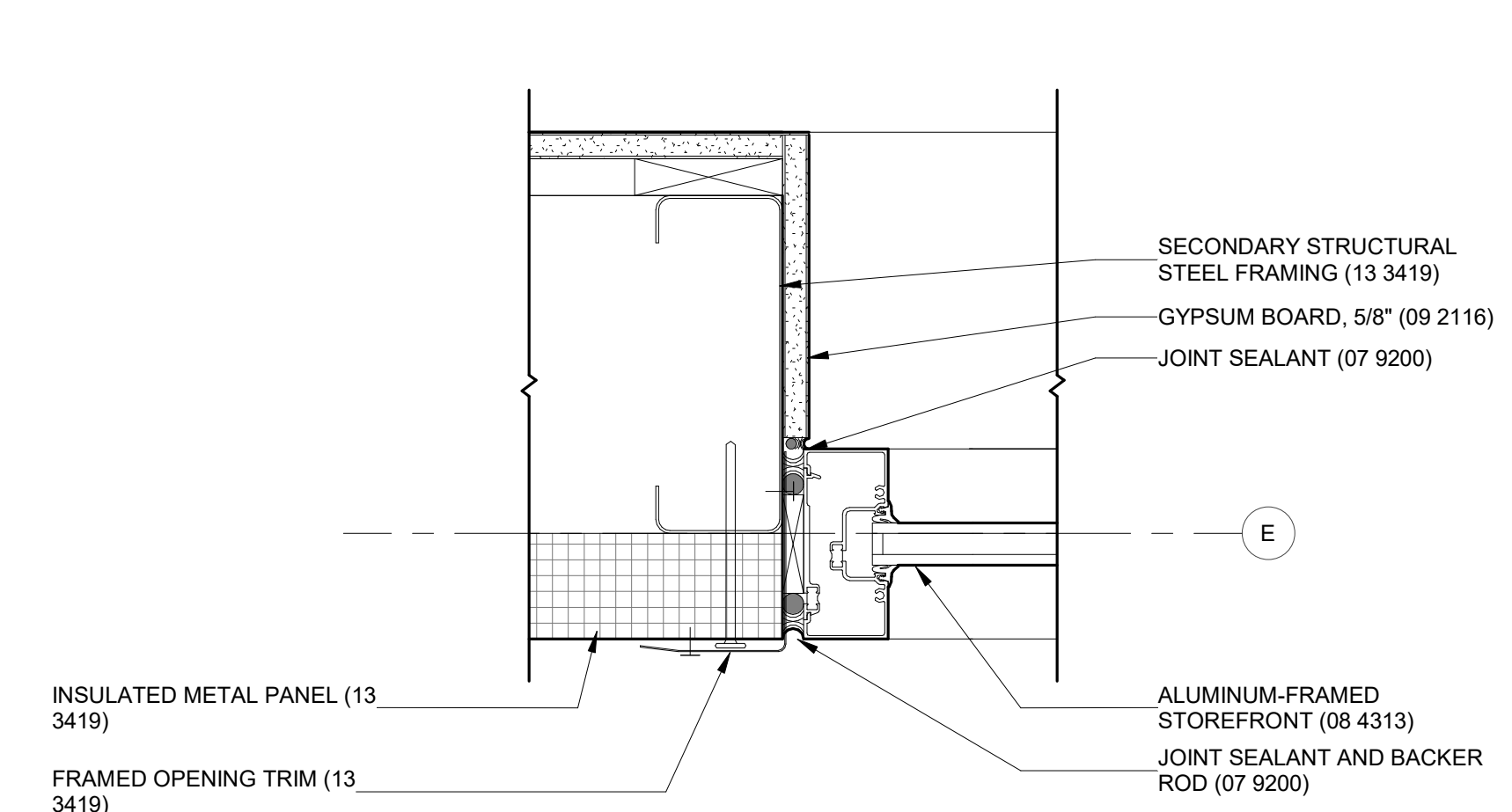
10 WINDOW DETAIL - WINDOW SILL AT DECK
A603/ 3" = 1'-0"



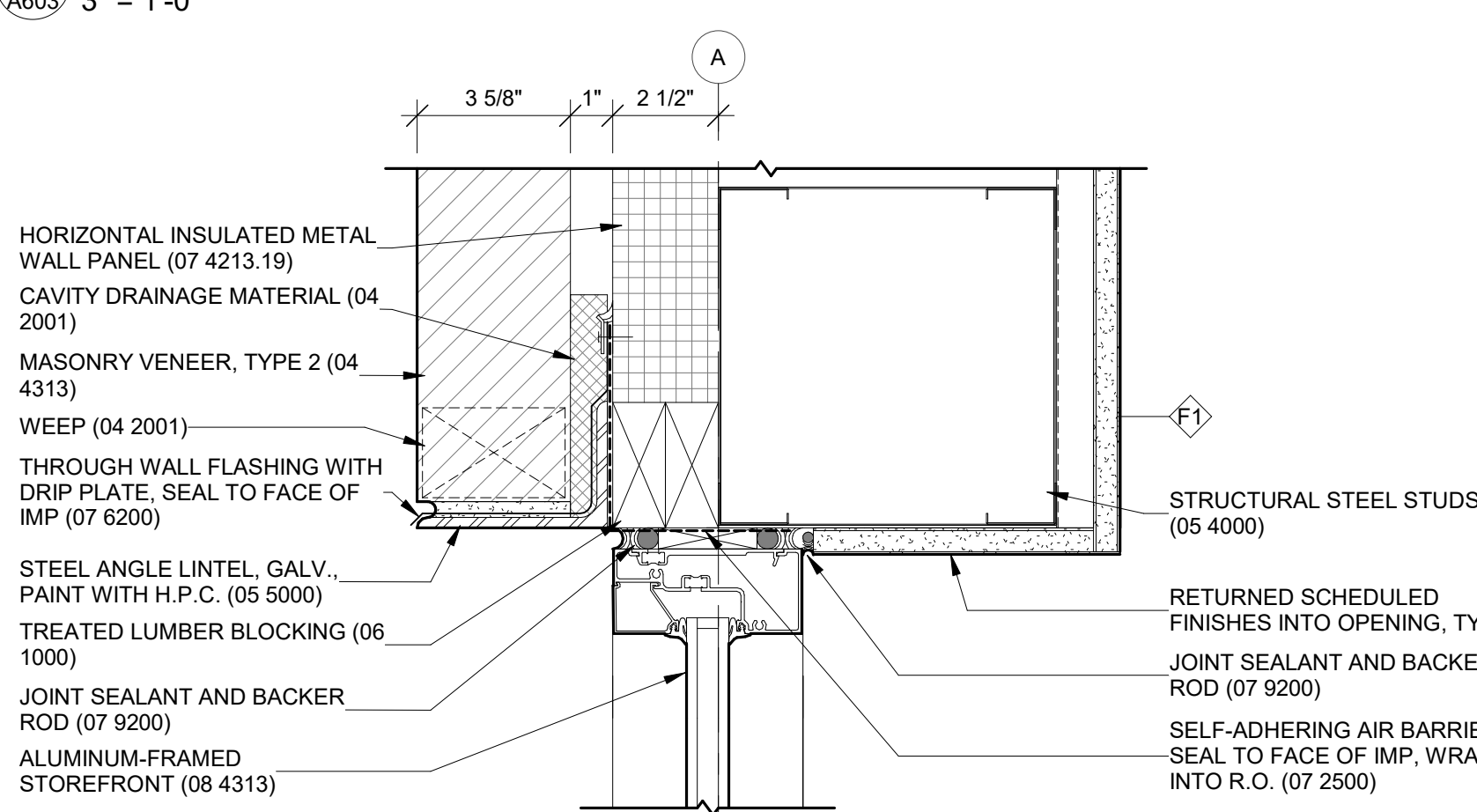
9 WINDOW DETAIL - JAMB AT MASONRY
A603/ 3" = 1'-0"



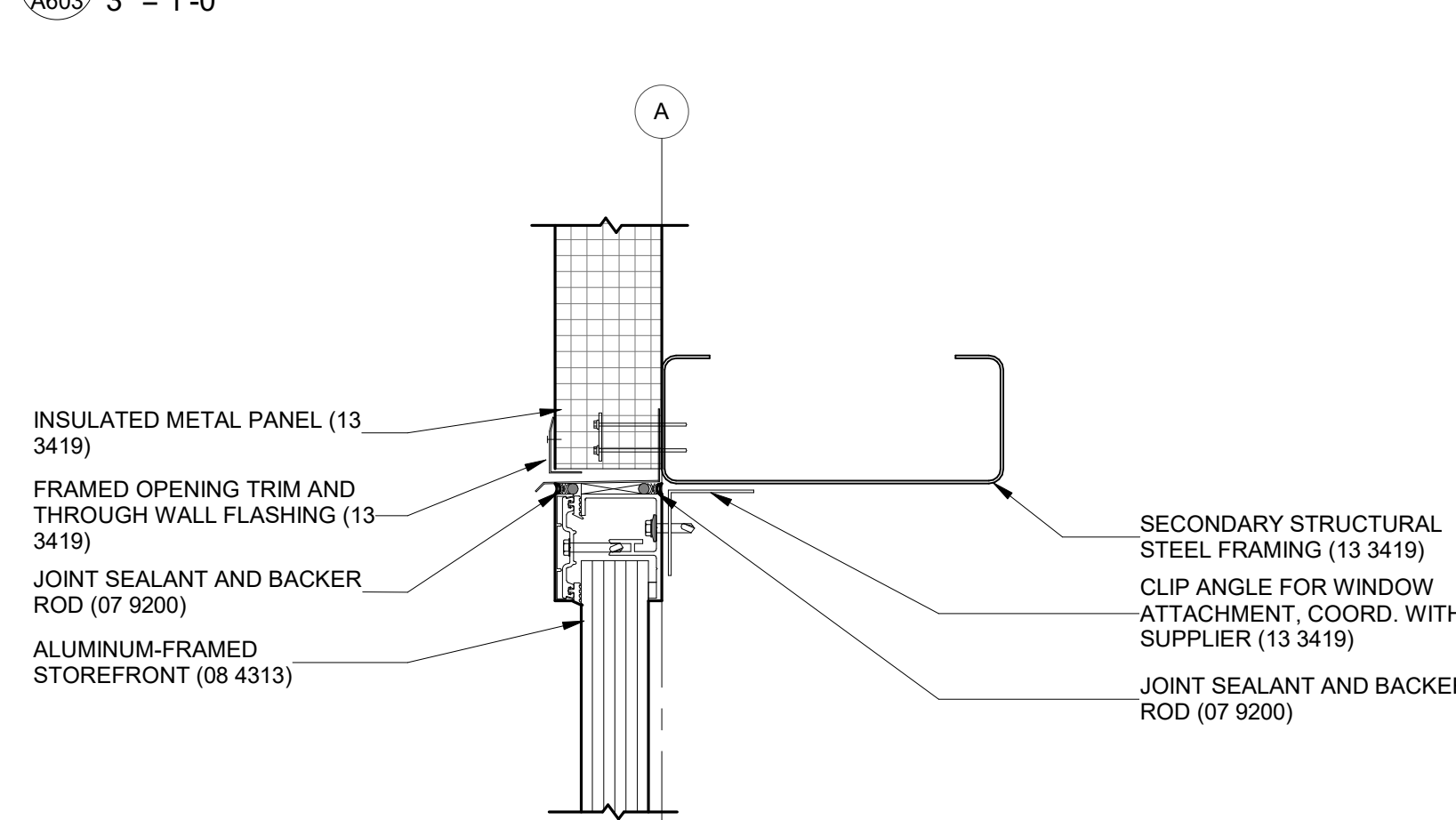
8 WINDOW DETAIL - TYPICAL WINDOW POLYCARBONATE JAMB AT STOREFRONT
A603/ 3" = 1'-0"



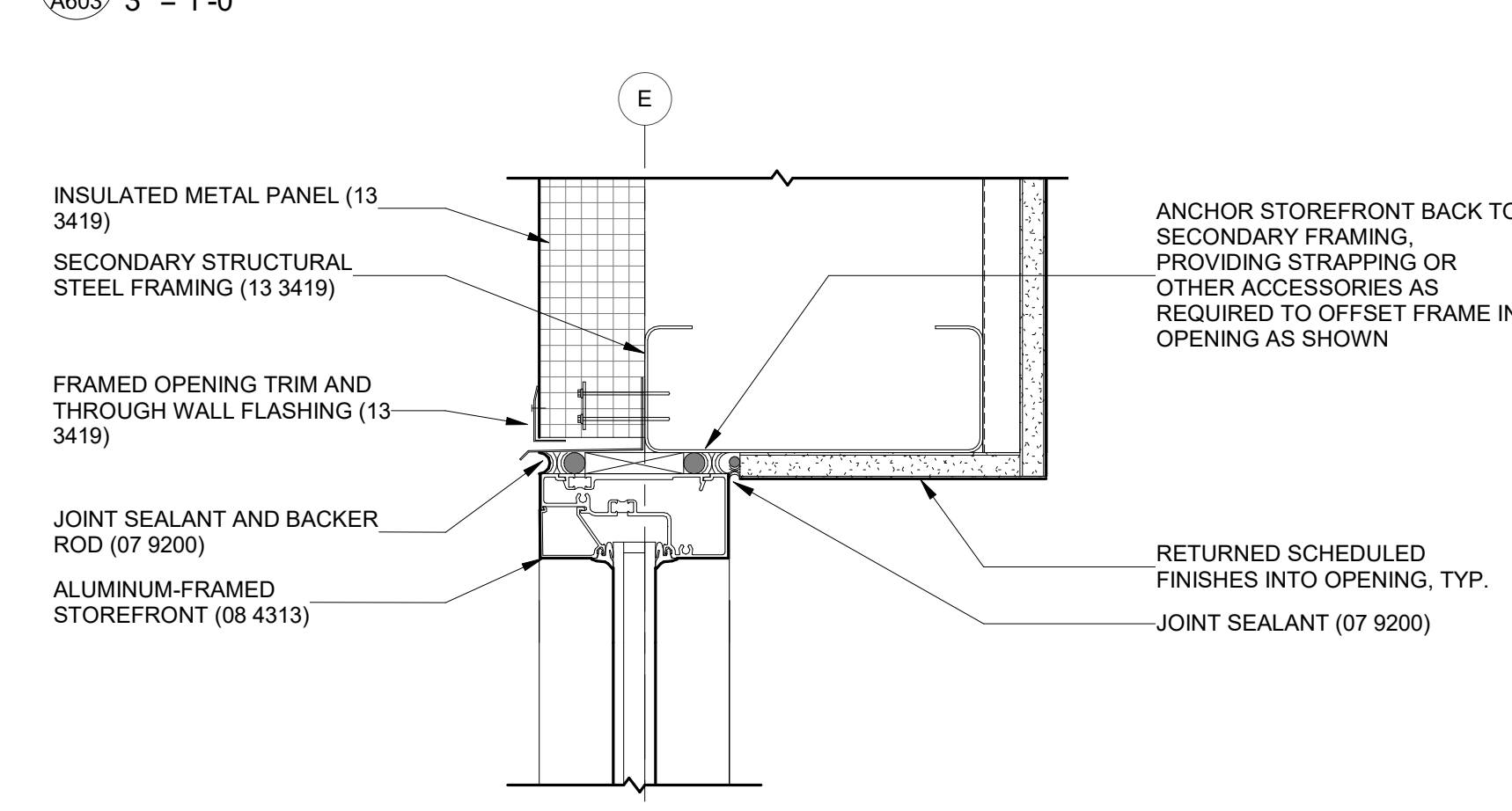
7 WINDOW DETAIL - TYPICAL WINDOW JAMB AT GWB FINISH
A603/ 3" = 1'-0"



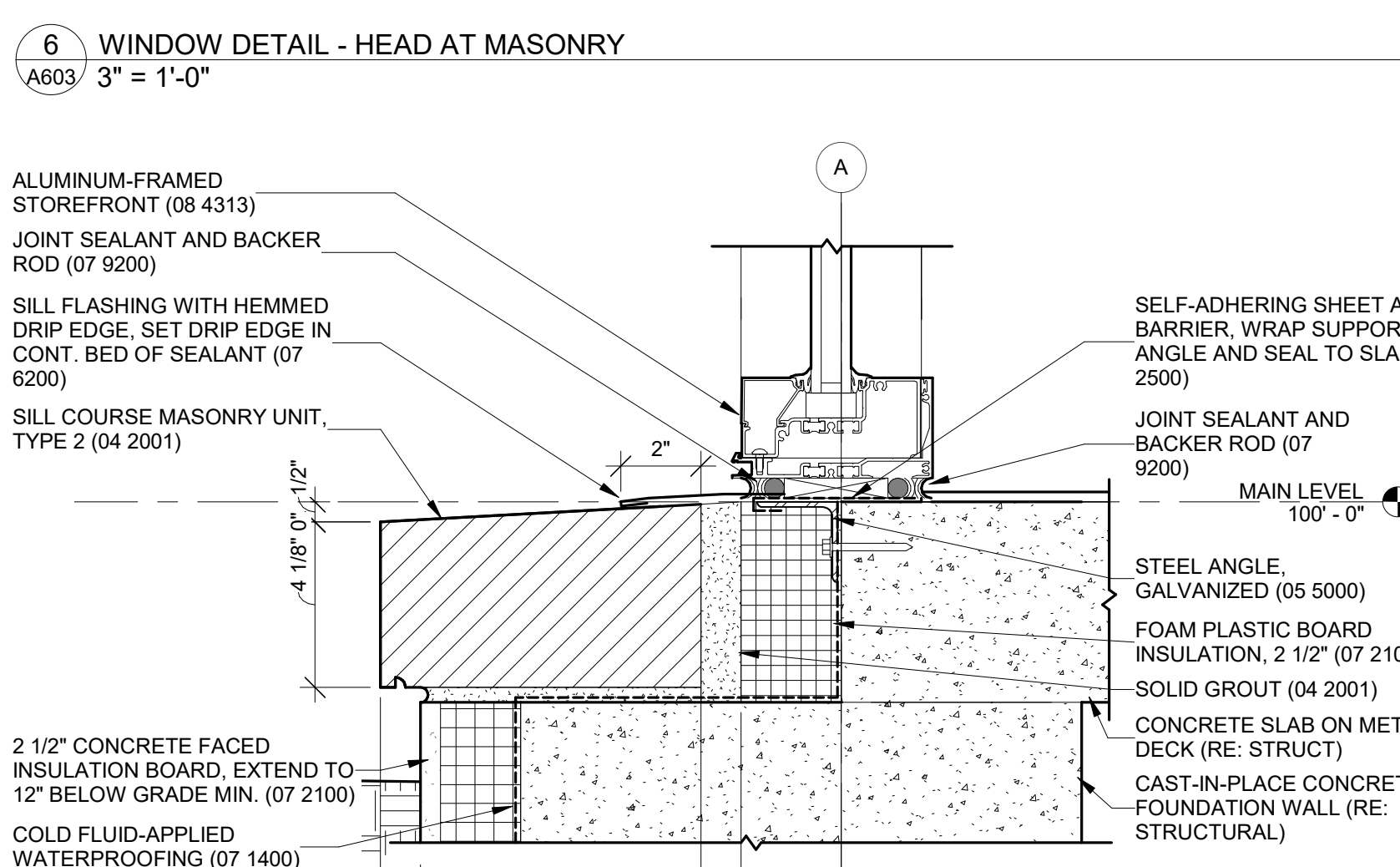
6 WINDOW DETAIL - HEAD AT MASONRY
A603/ 3" = 1'-0"



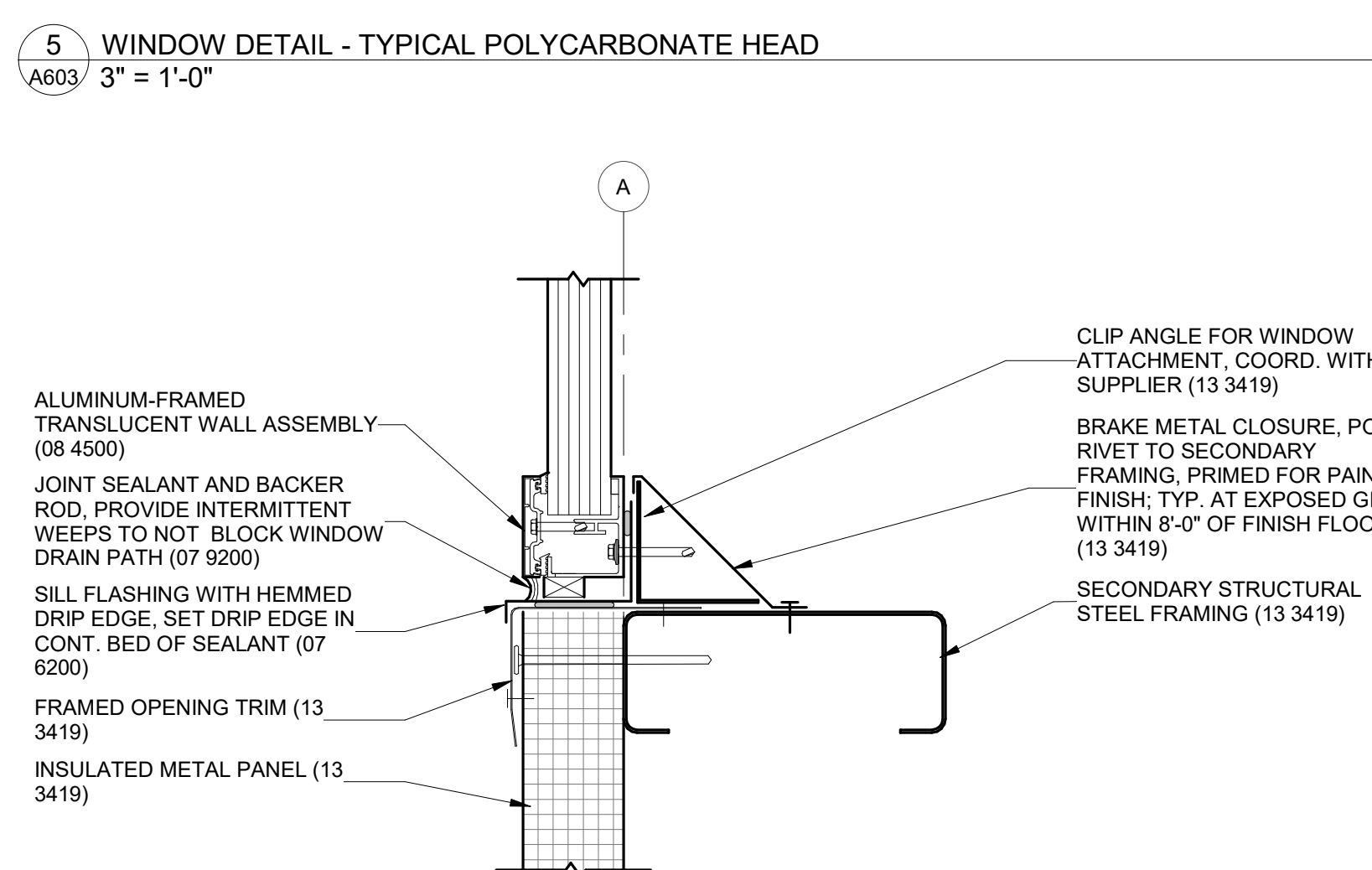
5 WINDOW DETAIL - TYPICAL POLYCARBONATE HEAD
A603/ 3" = 1'-0"



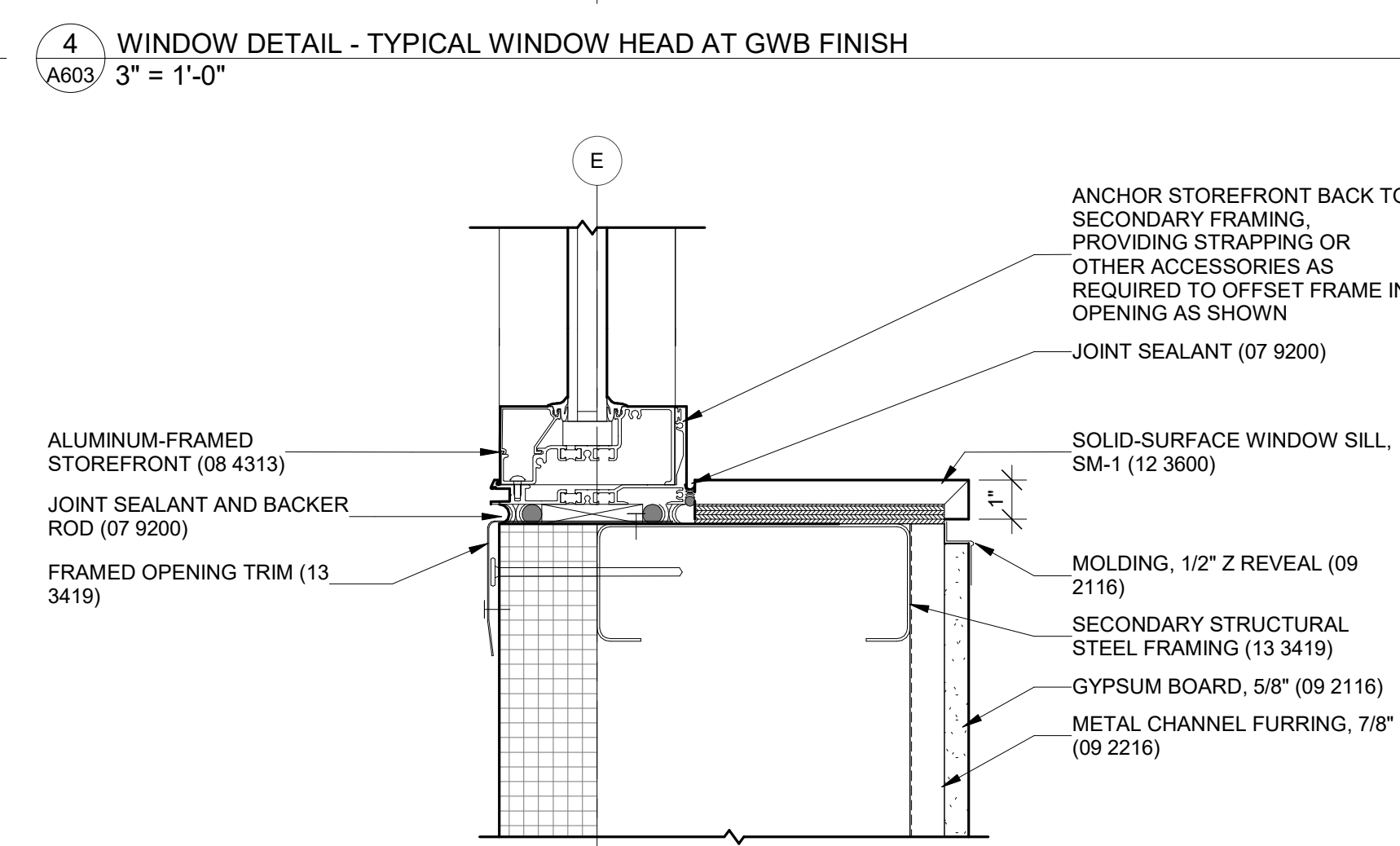
4 WINDOW DETAIL - TYPICAL WINDOW HEAD AT GWB FINISH
A603/ 3" = 1'-0"



3 WINDOW DETAIL - SILL AT MASONRY
A603/ 3" = 1'-0"



2 WINDOW DETAIL - TYPICAL POLYCARBONATE SILL
A603/ 3" = 1'-0"



1 WINDOW DETAIL - TYPICAL WINDOW SILL AT GWB FINISH
A603/ 3" = 1'-0"



MARK	DATE	DESCRIPTION

SFS PROJECT NO. 181012
ISSUED FOR: 100% CDS
ISSUE DATE: 04/05/21
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OPENING DETAILS
A603

ELECTRICAL SYMBOL LEGEND

SOME SYMBOLS AND ABBREVIATIONS ON THIS LEGEND MAY NOT BE USED

CIRCUITING

- HOME RUN (2#12 1#120 UNB)
- INDICATES 2 PHASE, 1 N, & 1 GND CONDUCTOR
- HOME RUN: INDICATES SHARED CIRCUIT
- HOME RUN: INDICATES #10 CONDUCTORS ENTIRELY

UTILITIES

- ONE --- UNDERGROUND ELECTRICAL
- TELE --- TELECOMMUNICATIONS CONDUIT
- UGT --- UNDERGROUND TELECOMMUNICATIONS CONDUIT

LIGHTING

- GRID-MOUNTED TROFFER LIGHT FIXTURE
- STRIP LIGHT FIXTURE
- SURFACE/RECESSED LIGHT FIXTURE
- WALL-MOUNTED LIGHT FIXTURE
- POLE-MOUNTED LIGHT FIXTURE
- EXIT LIGHT
- BATTERY-OPERATED EMERGENCY LIGHT (WALL MTD)
- BATTERY-OPERATED EMERGENCY LIGHT (CEILING MTD)
- WALL-MOUNTED COMBINATION EXIT LIGHT/ BATTERY-OPERATED EMERGENCY LIGHT
- LIGHT SWITCH - SINGLE POLE
- LIGHT SWITCH - 3-WAY
- LIGHT SWITCH - 4-WAY
- LIGHT SWITCH - KEY
- LIGHT SWITCH - DIMMER
- LIGHT SWITCH - PILOT LIGHT
- LIGHT SWITCH - 2 POLE
- LIGHT SWITCH - 3-WAY DIMMER
- WALL-MOUNTED MOTION SWITCH
- CEILING-MOUNTED MOTION SWITCH
- SWITCHBANK - REFER TO DETAILS
- DIMMER BOARD
- REMOTE CONTROL SWITCH AS SCHEDULED
- TIMELOCK - REFER TO PLANS / DETAILS

EQUIPMENT

- DISCONNECT SWITCH - RE: PLANS FOR INFORMATION.
- MAGNETIC MOTOR STARTER
- COMBINATION DISCONNECT SWITCH / MOTOR STARTER
- TOGGLE-TYPE DISCONNECT - FURNISH WITH THERMAL MOTOR PROTECTION WHERE SERVING FANS/PUMPS.
- SURFACE PANELBOARD
- RECESSED PANELBOARD
- DISTRIBUTION PANELBOARD
- SWITCHBOARD, FEEDER/MAIN CIRCUIT BREAKER SECTION AND DISTRIBUTION SECTION.

GENERAL SYMBOLS

- INDICATES CONNECT TO EXISTING
- INDICATES ELEVATION
- EQUIPMENT TAG. REFER TO CONNECTIONS SCHEDULE FOR ELECTRICAL CONNECTIONS AND LOAD INFO FOR KITCHEN, SHOP, ETC. EQUIPMENT

POWER DEVICES

- DUPLEX RECEPTACLE
- LINE THRU DEVICE INDICATES ABOVE COUNTER
- SPECIAL DUPLEX RECEPTACLE (PFC, ISOLATED GROUND, ETC.)
- QUADREX RECEPTACLE
- SIMPLEX RECEPTACLE W/NEMA CONFIG AS NOTED
- MULTI-POLE RECEPTACLE W/NEMA CONFIG AS NOTED
- CEILING MOUNTED RECEPTACLE
- RECEPTACLE/DEVICE MOUNTED IN 'TOMBSTONE'
- POKE-THRU WITH POWER
- POKE-THRU WITH TELECOMMUNICATIONS
- POKE-THRU W/POWER AND TELECOM
- SINGLE GANG FLOOR BOX (2, 3, 4 GANG SIMILAR)
- DIVIDED POWER POLE
- CLOCK RECEPTACLE
- PLUG MOLD / WIRE MOLD AS SPECIFIED
- JUNCTION BOX
- THERMOSTAT - ELECTRIC
- PUSH BUTTON
- MOTOR

TELEPHONE/DATA

- TELEPHONE OUTLET (SINGLE-GANG BOX WITH 1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING)
- LINE THRU DEVICE INDICATES ABOVE COUNTER
- DATA OUTLET (DOUBLE-GANG BOX WITH (2) 3/4" CONDUITS TO ABOVE ACCESSIBLE CEILING)
- TELEPHONE/DATA OUTLET (DOUBLE-GANG BOX WITH (2) 3/4" CONDUITS TO ABOVE ACCESSIBLE CEILING)
- PHONE OUTLET WITH NUMBER OF PHONE JACKS AS INDICATED - SEE DETAILS FOR ADD'L INFO.
- 1D
- PHONE/DATA OUTLET WITH NUMBER OF PHONE/DATA JACKS AS INDICATED - SEE DETAILS FOR ADD'L INFO.
- 1D/1V
- WALL-MOUNTED WIRELESS INTERNET TRANSMITTER
- CEILING-MOUNTED WIRELESS INTERNET TRANSMITTER

AUDIO/VISUAL

- TELEVISION OUTLET (SINGLE GANG BOX WITH 1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING)
- REVERSE TELEVISION OUTLET - CABLE TO HEAD END
- RECESS/COMBINATION AV AND POWER OUTLET (COORD. LOCATION OF DEVICE WITH TV MOUNT)
- TEACHER'S DESK CONNECTIONS - RE: DETAILS
- WALL SPEAKER
- CEILING SPEAKER
- CEILING SPEAKER - SUBWOOFER
- CEILING SPEAKER - SOUND SYSTEM
- VOLUME CONTROL
- SOUND SYSTEM AUDIO JACK
- REMOTE MICROPHONE CONTROL

COMMUNICATIONS SYMBOLS

- INTERCOM CALL STATION
- INTERCOM HANDSET
- PUBLIC ADDRESS SYSTEM AMPLIFIER
- INTERCOM MASTER STATION
- WALL SPEAKER - HORN TYPE
- CEILING SPEAKER - HORN TYPE
- ELEVATOR 2-WAY COMMUNICATION STATION
- ELEVATOR 2-WAY COMMUNICATION MASTER STATION
- ELEVATOR 2-WAY COMMUNICATION POWER SUPPLY

FIRE ALARM

- MANUAL PULL STATION
- CEILING SMOKE DETECTOR
- DUCT SMOKE DETECTOR
- HEAT DETECTOR
- WATERFLOW SWITCH
- TAMPER SWITCH
- WALL-MOUNTED FA STROBE WITH CANDELA RATING, 15cd RATING UNLESS OTHERWISE NOTED ON PLANS.
- TS
- WALL-MOUNTED FA HORN
- WALL-MOUNTED FA SPEAKER
- WALL-MOUNTED FA HORN/STROBE WITH CANDELA RATING, 15cd UNLESS OTHERWISE NOTED ON PLANS.
- WALL-MOUNTED FA SPEAKER/STROBE WITH CANDELA RATING, 15cd UNLESS OTHERWISE NOTED ON PLANS.
- CEILING-MOUNTED FA STROBE WITH CANDELA RATING, MINIMUM OF 15cd RATING.
- CEILING-MOUNTED FA SPEAKER
- CEILING-MOUNTED FA HORN/STROBE WITH CANDELA RATING, MINIMUM OF 15cd RATING.
- CEILING-MOUNTED FA SPEAKER/STROBE WITH CANDELA RATING, MINIMUM OF 15cd RATING.
- RELAY
- FIRE ALARM CONTROL PANEL
- FIRE ALARM ANNUNCIATOR PANEL
- REMOTE ANNUNCIATOR PANEL
- FIRE ALARM EXTENDER CABINET
- DOOR HOLDER
- SINGLE / MULTI-STATION 120V SMOKE ALARM
- ZONE ADDRESSABLE MODULE
- INDIVIDUAL ADDRESSABLE MODULE
- KITCHEN HOOD FIRE SUPPRESSION SYSTEM PANEL
- KITCHEN HOOD REMOTE PULL STATION
- AREA OF RESCUE ASSISTANCE STATION
- AREA OF RESCUE ASSISTANCE MASTER STATION
- NURSE CALL STATION
- NURSE CALL EMERGENCY PULL CORD
- CODE BLUE STATION
- NURSE CALL STAFF STATION
- NURSE CALL DUAL PUSHBUTTON STATION (CODE BLUE / STAFF ASSIST)
- PATIENT MONITOR STATION
- NURSE CALL DUTY STATION
- NURSE CALL DOME LIGHT
- NURSE CALL ZONE LIGHT
- NURSE CALL MASTER STATION
- RESIDENT CALL MASTER STATION
- RESIDENT CALL EMERGENCY PULL CORD
- FIXED CAMERA
- PAN/TILT/ZOOM CAMERA
- PROXIMITY TYPE CARD READER
- SMRF CARD READER
- ELECTRIC STRIKE
- KEYPAD / MAG LOCK
- BUTTON / MAG LOCK

ABBREVIATIONS

A/E ARCHITECT / ENGINEER	ELEV ELEVATION	M/M MANHOLE
A/F ABOVE FINISHED FLOOR	EM EMERGENCY FIXTURE/DEVICE	M/L MAIN LUGS ONLY
A/G ABOVE GRADE	ENT ENTERING WATER TEMPERATURE	NFA NET FREE AREA
A/HU AUTHORITY HAVING JURISDICTION	EX EXISTING ITEM	NL NIGHT LIGHT
AHU AIR HANDLING UNIT	FTA FROM FLOOR ABOVE	OD OUTSIDE AIR
ARCH ARCHITECT	FTB FROM FLOOR BELOW	ORD OVERFLOW ROOF DRAIN
BFP BACKFLOW PREVENTER	FFCO FINISHED FLOOR CLEAN OUT	PVC PLUMBING CONTRACTOR
BLDG BUILDING	FL FLOOR LINE	PS POUNDS PER SQUARE INCH
BMS BUILDING MANAGEMENT SYSTEM	FLR FLOOR	PVC POLYVINYLCHLORIDE
C CONDUIT	FP FIRE PROTECTION	RA RETURN AIR
CD CANDELA	FPM FEET PER MINUTE	REF/REF REFER / REFERENCE
CD CLEAN OUT	FWCO FLUSH WALL CLEAN OUT	RL RELOCATED ITEM
CLS COOLING	G GROUND / GANG	RPZ REDUCED PRESSURE ZONE
CM COORDINATE MOUNTING HEIGHT	G/C GENERAL CONTRACTOR	RR RESTROOM
CN CLEAN OUT	GFI GFI-PROTECTED DEVICE	SA SUPPLY AIR
CIE CONNECT TO EXISTING	GM GALLONS PER MINUTE	SPD SURGE PROTECTIVE DEVICE
COVA DOUBLE CHECK VALVE ASSEMBLY	HD HOT DECK	ST SHUNT TRIP
DOW DOMESTIC COLD WATER	HG HEATING	TA TRANSFER ABOVE
DF DRINKING FOUNTAIN	IG ISOLATED GROUND	TA TO FLOOR ABOVE
DHW DOMESTIC HOT WATER	JB JUNCTION BOX	TB TO FLOOR BELOW
DHW DOMESTIC HOT WATER RETURN	LED LIGHT EMITTING DIODE	TP TAMPERPROOF
DN DOWN	LWT LEAKING WATER TEMPERATURE	UNO UNLESS NOTED OTHERWISE
E/C ELECTRICAL CONTRACTOR	M/C MECHANICAL CONTRACTOR	VRF VARIABLE REFRIGERANT FLOW
EA EXHAUST AIR	MA MAKE UP AIR UNIT	VTR VENT THROUGH ROOF
EDF ELECTRIC DRINKING FOUNTAIN	MCB MAIN CIRCUIT BREAKER	WCO WALL CLEANOUT
	MECH MECHANICAL	WG WIRE GUARD
		WP WEATHERPROOF

MECHANICAL AND PLUMBING SYMBOL LEGEND

SOME SYMBOLS AND ABBREVIATIONS ON THIS LEGEND MAY NOT BE USED

SHEET METAL

- HIGH EFFICIENCY ROUND DUCT TAKEOFF (WITH & WITHOUT MANUAL DAMPER)
- SPIN-IN ROUND DUCT TAKEOFF (WITH & WITHOUT MANUAL DAMPER)
- CONICAL BELLMOUTH ROUND TAKEOFF
- ROUND DUCT RUNOUT WITH FLEX DUCT
- DUCTWORK ELBOW (WITH & WITHOUT TURNING VANES)
- FD-FIRE DAMPER
- FS-FIRE/SMOKE DAMPER
- SD-SMOKE DAMPER
- BD-BACKDRAUGHT DAMPER (GRAVITY)
- AUTOMATIC MOTORIZED DAMPER
- SUPPLY DIFFUSER AND DIFFUSER CALLOUT (NECK SIZE, TYPE AND CFM)
- LINEAR/SLOT DIFFUSER
- RETURN GRILLE OR EXHAUST REGISTER
- SUPPLY AIR FLOW INDICATOR
- RETURN AND EXHAUST AIR FLOW INDICATOR
- THERMOSTAT
- TEMPERATURE SENSOR
- HUMIDISTAT
- CONTROL WIRING

MECHANICAL PIPINGS

- REFRIGERANT LIQUID
- REFRIGERANT SUCTION
- DRAIN (CONDENSATE)
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- RECIRCULATING DOMESTIC HOT WATER
- WASTE ABOVE GRADE OR FLOOR
- WASTE BELOW GRADE OR FLOOR
- STORM ABOVE GRADE OR FLOOR
- STORM BELOW GRADE OR FLOOR
- STORM OVERFLOW ABOVE GRADE OR FLOOR
- STORM OVERFLOW BELOW GRADE OR FLOOR
- PLUMBING VENT
- WATER SERVICE
- GAS (NATURAL)
- FROM SUMP PUMP DISCHARGE

PLUMBING PIPING

- PLUMBING FIXTURES/EQUIPMENT
- HOSE BIBB
- WALL HYDRANT
- CLEAN OUT
- REDUCED PRESSURE BACKFLOW PREVENTER
- DOUBLE CHECK BACKFLOW PREVENTER
- PLUMBING FIXTURE AND CALLOUT
- FD: FLOOR DRAIN, AD: AREA DRAIN, FS: FLOOR SINK
- RS: ROOF DRAIN
- ORD: OVERFLOW ROOF DRAIN
- PLUMBING FIXTURE AND CALLOUT
- FD: FLOOR DRAIN, AD: AREA DRAIN, FS: FLOOR SINK

PIPING SYMBOLS

- SHUTOFF VALVE
- SHUTOFF VALVE IN RISER
- BALANCING VALVE
- PLUG VALVE
- AUTO FLOW CONTROL VALVE
- PIPING ELBOW UP
- PIPING ELBOW DOWN
- PIPING TEE
- PIPING TEE UP
- PIPING TEE DOWN
- INCREASE / REDUCER
- UNION
- CAP
- PIPE FLEX
- STRAINER
- CHECK VALVE
- WAVE STRAINER
- TEST PLUG
- GUIDE
- ANCHOR
- TRIPLE DUTY VALVE
- AUTOMATIC 2-WAY CONTROL VALVE
- AUTOMATIC 3-WAY CONTROL VALVE
- SOLENOID VALVE

PIPING SPECIALTIES

- PRESS/TEMP GAUGE WITH COCK
- THERMOMETER
- PRESSURE REDUCING VALVE
- RELIEF VALVE
- WATER HAMMER ARRESTER

GENERAL SYMBOLS

- INDICATES CONNECT TO EXISTING
- INDICATES ELEVATION
- EQUIPMENT TAG. REFER TO CONNECTIONS SCHEDULE FOR MECHANICAL CONNECTIONS AND LOAD INFO FOR KITCHEN, SHOP, ETC. EQUIPMENT

GEN. MECHANICAL NOTES

- COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED VERSION OF THE INTERNATIONAL MECHANICAL CODE, LOCAL AND STATE CODES, AND REQUIREMENTS OF THE AHJ.
- ANY POWER FOR CONTROL SYSTEMS TO BE PROVIDED BY E/C IS INDICATED ON ELECTRICAL PLANS. ANY ADDITIONAL LINE VOLTAGE OR LOW VOLTAGE POWER REQUIRED BY THE W/C OR SUBCONTRACTORS TO HAVE A FULLY FUNCTIONING SYSTEM SHALL BE PROVIDED BY THE W/C CONTRACTOR OR SUBS.
- ALL EQUIPMENT SHALL BE ADEQUATELY AND PROPERLY SUPPORTED AND FASTENED FROM STRUCTURE.
- ALL EQUIPMENT AND ACCESSORIES INSTALLED IN CONCEALED SPACES REQUIRING ACCESS SHALL BE PROVIDED WITH ACCESS DOORS MEETING ALL FIRE REQUIREMENTS OF THE WALL/CEILING THEY ARE INSTALLED IN.
- EACH AIR HANDLING UNIT OVER 2000CFM SHALL BE PROVIDED WITH A SMOKE DETECTOR TO SHUT DOWN THE UNIT PER IMC 608 AS REQUIRED BY AHJ. COORDINATE WITH OTHER TRADES.
- START UP AND ADJUST ALL EQUIPMENT AND VERIFY ALL MECHANICAL SYSTEMS IN OPERATION IN ACCORDANCE WITH THEIR INTENDED PURPOSES. SUBMIT BALANCE AND START UP REPORTS TO THE A/E. REFER TO SPECIFICATIONS FOR ANY ADDITIONAL REQUIREMENTS.

COORDINATION NOTES

- COORDINATE REQUIREMENTS FOR INSTALLATION OF SYSTEMS AND EQUIPMENT WITH ALL OTHER TRADES ON ARCHITECTURAL PLANS.
- THE CONTRACTOR SHALL COORDINATE THE ROUTING AND PATH OF ALL SYSTEMS, CONDUITS, PIPES, DUCTS, ETC. WITH THE POSITION AND LAYOUT OF THE STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING NECESSARY OFFSETS, TURNINGS, RISERS AND DROPS FOR SYSTEMS AND COMPONENTS AS NEEDED TO INSTALL THE MEP SYSTEMS TO CLEAR STRUCTURE, CEILING, ETC. AND OTHER SYSTEMS IN POTENTIAL CONFLICT WITH ROUTING.
- COORDINATE WORK WITH OTHER TRADES TO INSTALL SYSTEMS ABOVE CEILING HEIGHTS INDICATED ON ARCHITECTURAL PLANS.
- CHECK SPACE REQUIREMENTS WITH OTHER TRADES AND STRUCTURE/CONSTRUCTION TO ENSURE THAT ALL MATERIALS AND EQUIPMENT CAN BE INSTALLED IN THE SPACE ALLOTTED INCLUDING FINISHED SUSPENDED CEILING AND OTHER SPACES, CHASES, ETC. WITHIN THE BUILDING. MAKE MODIFICATIONS THERE TO AS REQUIRED ANY APPROVED.
- TRANSMIT TO OTHER TRADES ALL INFORMATION REQUIRED FOR WORK TO BE PROVIDED UNDER THEIR RESPECTIVE SECTIONS IN AMPLIFIED TIME FOR INSTALLATION.
- WHEREVER WORK INTERCONNECTS WITH WORK OF OTHER TRADES, COORDINATE WITH THOSE TRADES TO ENSURE THAT ALL SUBCONTRACTORS HAVE THE INFORMATION NECESSARY SO THAT THEY MAY PROPERLY INSTALL ALL CONNECTIONS AND EQUIPMENT. IDENTIFY ALL ITEMS OF WORK THAT REQUIRE ACCESS SO THAT THE CEILING TRADE WILL KNOW WHERE TO INSTALL ACCESS DOORS AND PANELS.
- COORDINATE PROJECT AND SCHEDULE WORK WITH OTHER TRADES IN ACCORDANCE WITH THE CONSTRUCTION SEQUENCE.
- DRAWINGS SHOW THE GENERAL RUNS OF CONDUITS, PIPING AND DUCTWORK AND APPROXIMATE LOCATION OF OUTLETS. ANY SIGNIFICANT CHANGES IN LOCATION OF ITEMS NECESSARY IN ORDER TO MEET FIELD CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ENGINEER AND RECEIVE HIS APPROVAL BEFORE SUCH ALTERATIONS ARE MADE. ALL SUCH MODIFICATIONS SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION AND REPAIR OF SURFACES, AREAS AND PROPERTY THAT MAY BE DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.
- ADJUST LOCATION OF PIPING, DUCTWORK, ETC. TO PREVENT INTERFERENCES, BOTH ANTICIPATED AND UNANTICIPATED, DETERMINE THE EXACT ROUTE AND LOCATION OF EACH ITEM PRIOR TO FABRICATION. MAKE OFFSETS, TRANSITIONS AND CHANGES IN DIRECTION IN SYSTEMS AS REQUIRED TO MAINTAIN ADEQUATE CLEARANCES AND HEADROOM.
- WHEREVER THE WORK IS OF SUFFICIENT COMPLEXITY, PREPARE ADDITIONAL COORDINATION DRAWINGS AND ORGANIZE ON-SITE MEETINGS WITH ALL RELATED SUBCONTRACTORS TO COORDINATE THE WORK BETWEEN TRADES. DRAWINGS SHALL CLEARLY SHOW THE WORK AND ITS RELATION TO THE WORK OF OTHER TRADES AND BE SUBMITTED FOR REVIEW PRIOR TO COMMENCING SHOP FABRICATION OR ERECTION IN THE FIELD.
- COORDINATE WITH LOCAL UTILITY PROVIDERS FOR THEIR REQUIREMENTS FOR SERVICE CONNECTIONS AND PROVIDE ALL NECESSARY PERMITS, MATERIALS, LABOR AND TESTING TO ACCOMPLISH THE WORK.
- COORDINATE THE MOUNTING OF SUSPENDED LIGHT FIXTURES UTILIZING INDIRECT LIGHT SO THAT CONDUIT, DUCTWORK, STRUCTURAL MEMBERS, ETC. ARE NOT LOCATED DIRECTLY ABOVE THE LIGHT FIXTURE. MAINTAIN A MINIMUM OF 24" CLEARANCE FROM THESE ITEMS WHENEVER POSSIBLE.

GENERAL PLUMBING NOTES

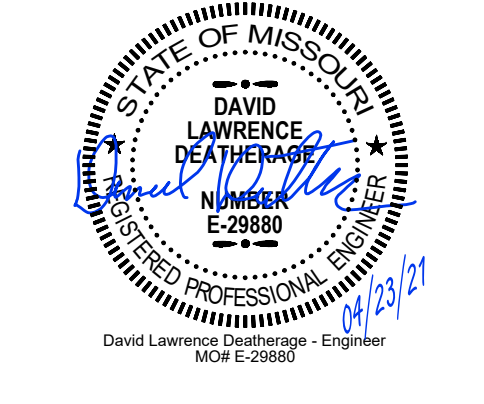
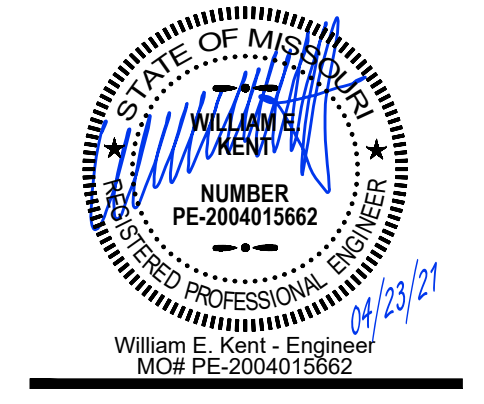
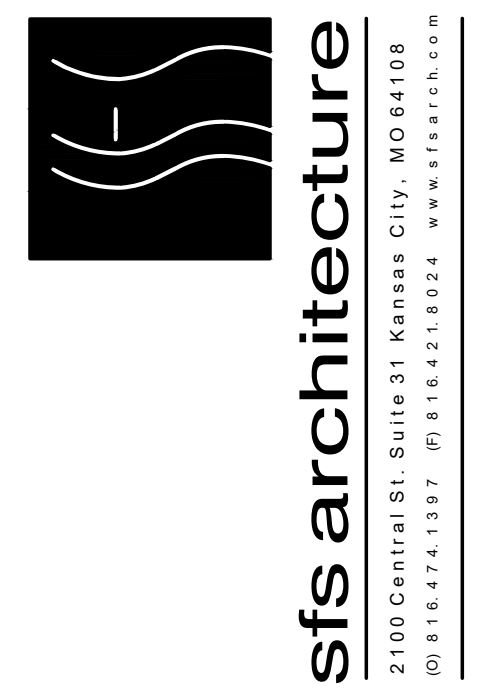
- COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE, LOCAL AND STATE CODES, AND REQUIREMENTS OF THE AHJ.
- NO PIPING SHALL BE INSTALLED WHERE IT WILL SUBJECT TO FREEZING TEMPERATURES. PIPING IN EXTERIOR WALLS SHALL BE INSTALLED ON THE WARM SIDE OF BUILDING INSULATION, INSULATED AND THE CHASE SHALL BE VENTILATED WITH GRILLES ALLOWING INDOOR AMBIENT CONDITIONS TO CIRCULATE THROUGH THE CHASE.
- PROVIDE CLEANOUTS IN THE FOLLOWING LOCATIONS:
 - IN ALL HORIZONTAL DRAINS (WITHIN THE BUILDING) NOT MORE THAN 100 FEET APART.
 - IN BUILDING SEWERS LOCATED NO MORE THAN 100 FEET APART MEASURED FROM THE UPSTREAM ENTRANCE OF THE CLEANOUT.
 - EACH CHANGE OF DIRECTION OF THE BUILDING DRAIN OR HORIZONTAL WASTE OR SOIL LINES GREATER THAN 45 DEGREES, WHERE MORE THAN ONE CHANGE OF DIRECTION OCCURS IN A RUN OF PIPING, ONLY ONE CLEANOUT SHALL BE REQUIRED FOR EACH 40 FEET OF DEVELOPED LENGTH OF THE DRAINAGE PIPING.
 - AT THE BASE OF EACH WASTE OR SOIL STACK.
 - NEAR THE JUNCTION OF THE BUILDING DRAIN AND BUILDING SEWER.

GENERAL ELECTRICAL NOTES

- COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE, LOCAL AND STATE CODES, AND REQUIREMENTS OF THE AHJ.
- COORDINATE LOCATIONS OF RECEPTACLES, SWITCHES, ETC. WITH ARCHITECTURAL CASEWORK AND ELEVATIONS.
- REFER TO MOUNTING HEIGHTS DETAIL FOR MOUNTING HEIGHTS OF ALL DEVICES NOT INDICATED OTHERWISE.
- PROVIDE ALL EMPTY CONDUITS WITH PULL STRINGS AND BUSHED ENDS.
- CONTRACTOR SHALL CONCEAL ALL CONDUIT, FITTINGS, AND DEVICES FROM VIEW REASONABLY POSSIBLE.

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E501	ELECTRICAL DETAILS



Camdenton Community Center
 City of Camdenton, Missouri
 1205 N. Business Route 5
 Camdenton, MO 65020

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MEP001

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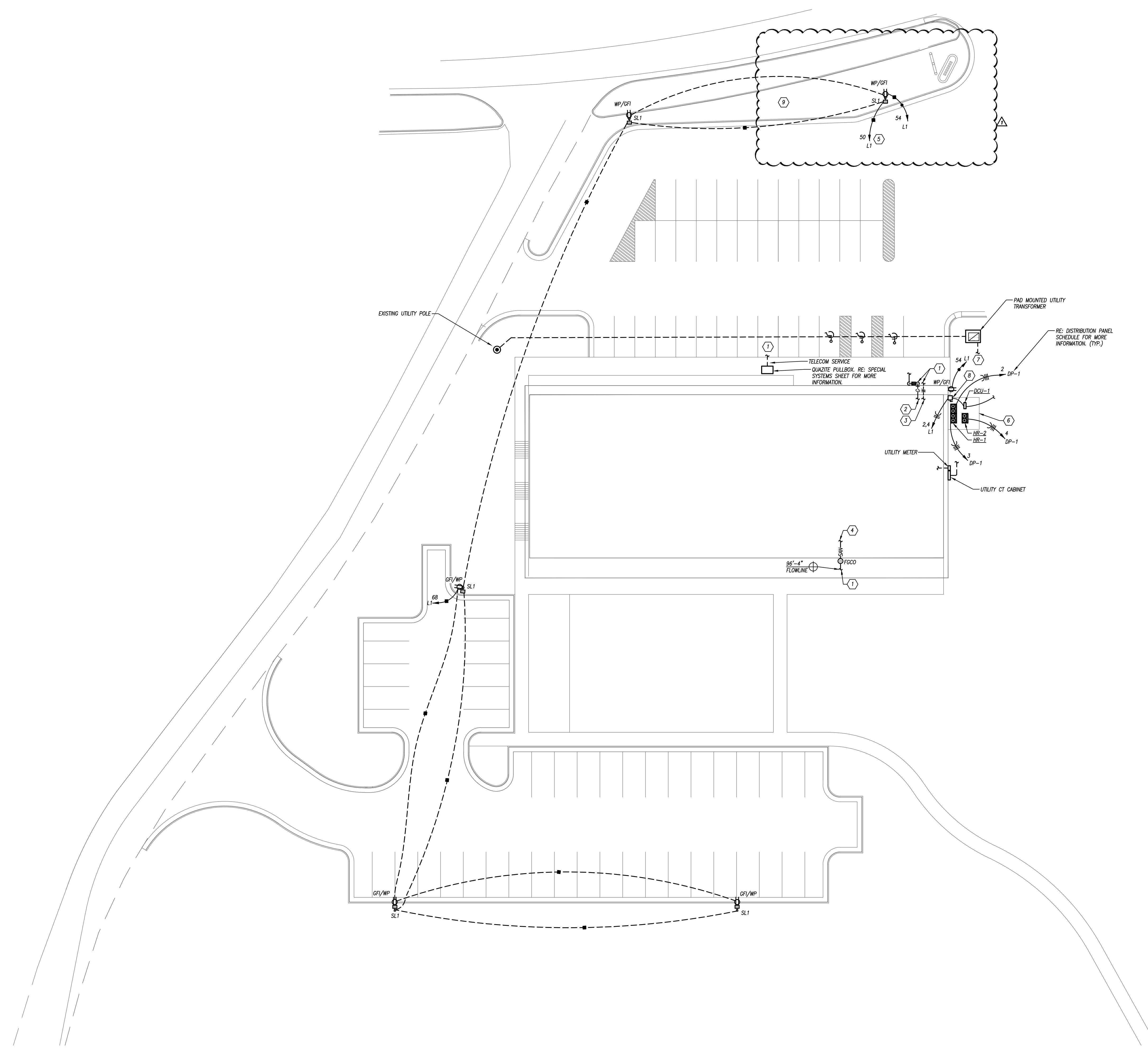
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GENERAL SITE PLAN NOTES

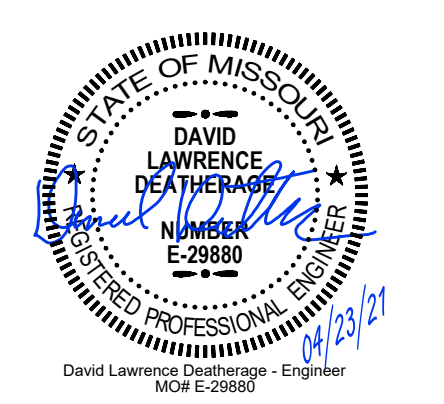
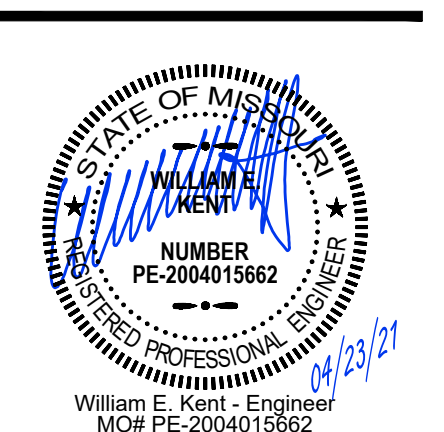
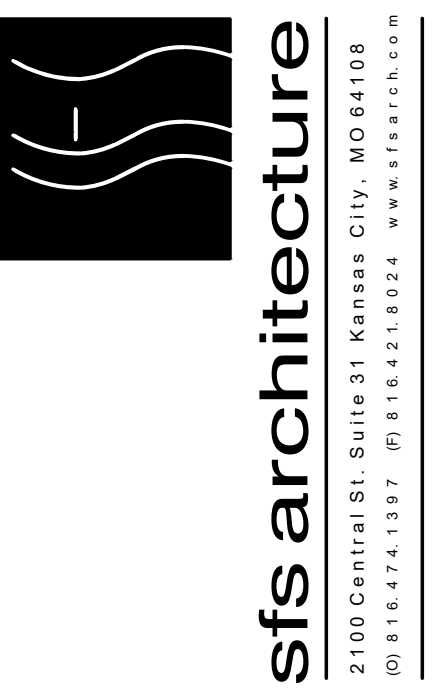
1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. REFER TO CIVIL PLANS FOR CONTINUATION OF SERVICES BEYOND 5'-0" FROM BUILDING UNLESS OTHERWISE SHOWN.
3. REFER TO RESPECTIVE FLOOR PLANS FOR CONTINUATION OF SERVICES INSIDE BUILDING AND/OR EXACT LOCATIONS OF EQUIPMENT.
4. CONTACT UTILITY LOCATING SERVICE TO LOCATE EXACT LOCATION OF ALL EXISTING UTILITIES BELOW GRADE.

SITE PLAN KEYED NOTES

- 1 REFER TO CIVIL PLANS FOR CONTINUATION.
- 2 2-1/2" NATURAL GAS SERVICE. COORDINATE SERVICE FOR 1040 CFH AT 7 IN.W.C. REFER TO P111 FOR CONTINUATION.
- 3 6" WATER SERVICE FOR COMBINATION FIRE AND DOMESTIC WATER. REFER TO P101 FOR CONTINUATION.
- 4 4" SANITARY SERVICE. REFER TO P201 FOR CONTINUATION.
- 5 ROUTE THROUGH LIGHTING CONTROL PANEL LCP-1 THEN HOMERUN.
- 6 PROVIDE MINIMUM 3-1/2" CONCRETE PAD. COORDINATE WITH ARCH.
- 7 UNDER GROUND POWER TO UTILITY CT CABINET.
- 8 EXTERNAL DISCONNECT PROVIDED BY MECHANICAL CONTRACTOR.
- 9 COORDINATE LOCATION OF FUTURE OWNER PROVIDED SIGNAGE WITH OWNER AND ARCHITECT PRIOR TO WORK. REFER TO SHEET E210 FOR MORE INFORMATION.



SITE PLAN
1" = 20'-0"



Camdenton Community Center

City of Camdenton, Missouri
1205 N. Business Route 5
Camdenton, MO 65020

1	04/23/21	BID RELEASE

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SITE PLAN



MEP101

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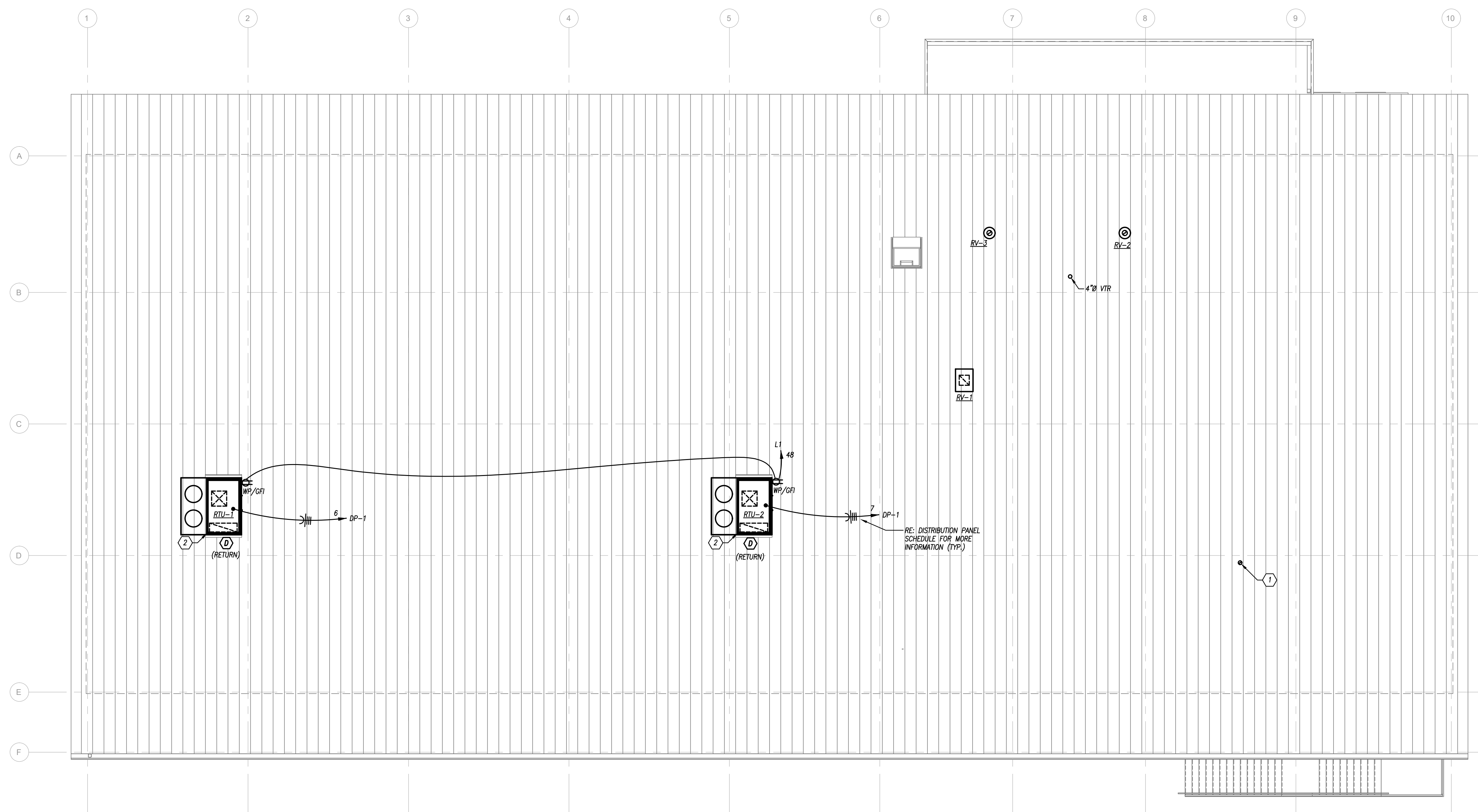
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GENERAL ROOF PLAN NOTES

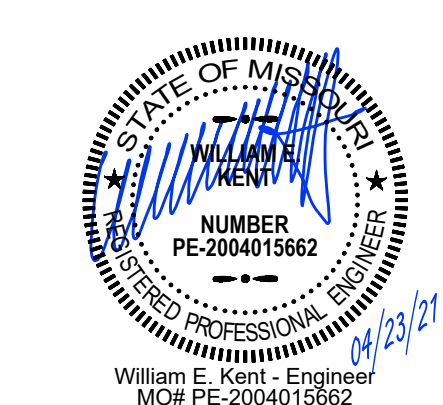
1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. MAINTAIN CODE-REQUIRED DISTANCES FOR ALL VENTS, EXHAUSTS, ETC. FROM MECHANICAL EQUIPMENT OUTSIDE AIR INTAKES.
3. ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE MOUNTED A MINIMUM OF 36" ABOVE THE ROOF ON SUITABLE STEEL SUPPORTS UNLESS OTHERWISE NOTED.

ROOF PLAN KEYED NOTES

- 1 6"Ø FLUE ROOF PENETRATION. PROVIDE ROOF CAP.
- 2 ROUTE GAS PIPING UP IN ROOF CURB. REFER TO P111 FOR SIZING AND ROUTING.



MEP ROOF PLAN
1/8" = 1'-0"



Camdenton Community Center
City of Camdenton, Missouri
1205 N. Business Route 5
Camdenton, MO 65020

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ROOF PLAN



MEP102

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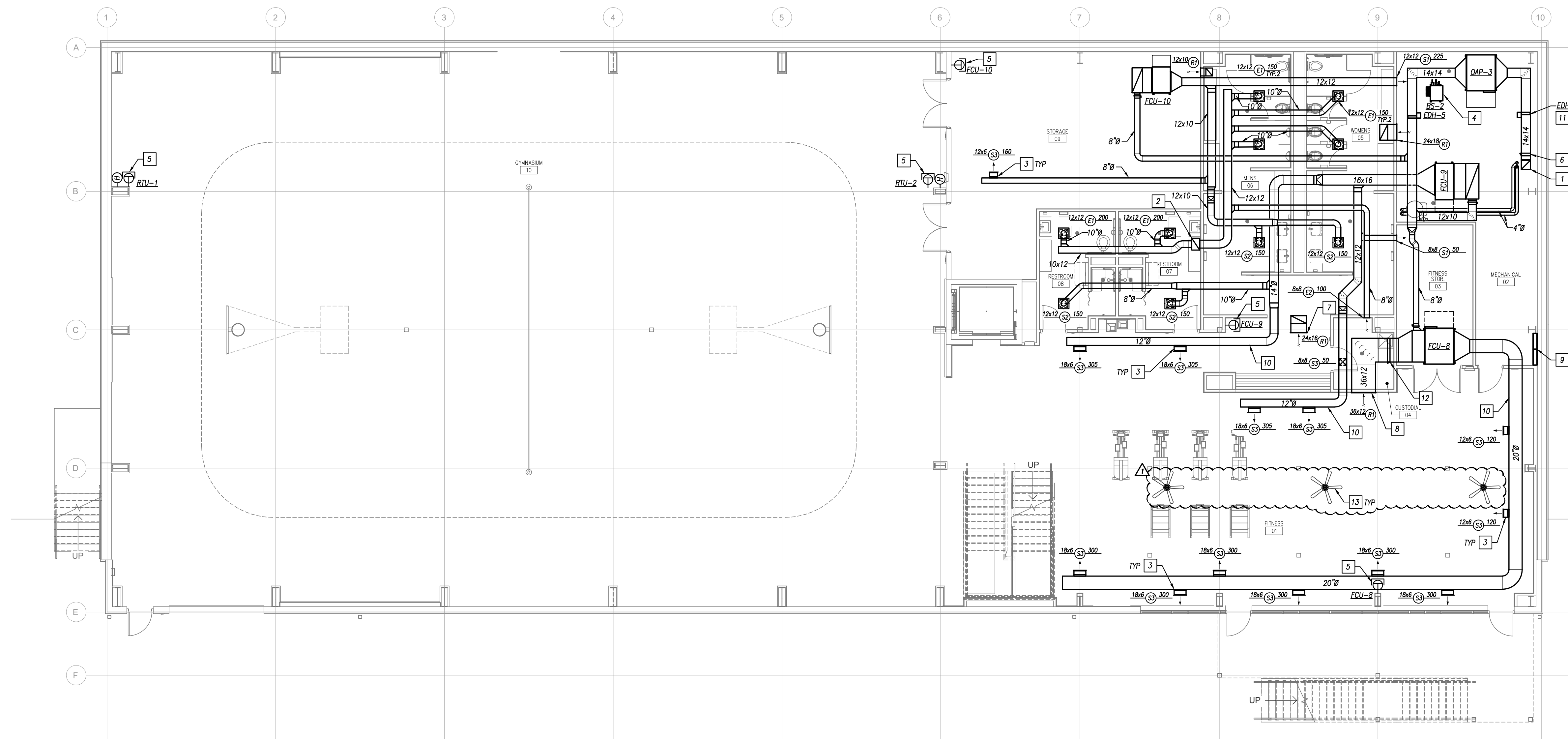
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GENERAL HVAC NOTES

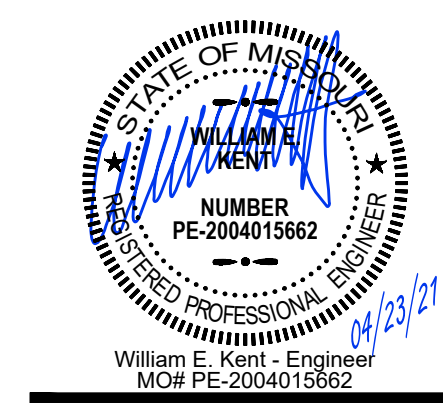
1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. ROUND BRANCH DUCT RUNOUTS AND FLEXIBLE DUCT SHALL BE THE SAME SIZE AS THE DIFFUSER NECK UNLESS NOTED OTHERWISE.
3. MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE 5'-0".
4. ALL RUNOUTS TO TERMINAL BOXES SHALL BE ONE SIZE LARGER THAN BOX INLETS UNLESS NOTED OTHERWISE.
5. ALL AIR DISTRIBUTION DEVICES SHALL HAVE LOCKABLE VOLUME CONTROL DEVICES.
6. ALL 90 DEGREE TURNING ELBOWS SHALL BE SMOOTH ROUND OR SQUARE WITH TURNING VANES.
7. DUCT SIZES SHOWN ON PLANS ARE INSIDE FREE AREA.
8. PROVIDE ACCESS DOORS IN DUCTS AHEAD OF ALL AUTOMATIC, FIRE, AND SMOKE DAMPERS.
9. FOR BALANCING THE OUTSIDE AIRFLOW QUANTITIES, REFER TO HVAC SCHEDULES.

HVAC PLAN KEYED NOTES

- 1 14"x14" OUTSIDE AIR DUCT UP TO LEVEL ABOVE. 4" FLUE AND INTAKE UP TO ROOF. CAP WITH CONCENTRIC VENT KIT.
- 2 18"x12" EXHAUST AIR DUCT UP TO LEVEL ABOVE.
- 3 MOUNT DUCT MOUNTED DIFFUSER WITH 30° DOWNWARD ORIENTATION. MEASURE 30° DEFLECTION FROM HORIZONTAL ANGLE. DIFFUSER BLADES AWAY FROM HANGING LIGHTS.
- 4 BRANCH SELECTOR BOX SHOWN IN THIS LOCATION FOR ELECTRICAL COORDINATION. LOCATE BRANCH SELECTOR BOX TO MINIMIZE PIPING AND PROVIDE ACCESSIBILITY FOR SERVICE.
- 5 PROVIDE HUMIDISTAT AND THERMOSTAT WITH LOCKABLE COVER. SHOWN SPACED FOR CLARITY.
- 6 PROVIDE 2" MERV 8 FILTER HOUSING.
- 7 MOUNT BOTTOM OF RETURN GRILLE AT 10'-0" A.F.F., ABOVE RESTROOM DOORWAY.
- 8 MOUNT BOTTOM OF RETURN GRILLE AT 10'-0" A.F.F.
- 9 EMS CONTROL PANEL AND VRF CONTROLLER.
- 10 ROUTE EXPOSED DUCTWORK TIGHT TO STRUCTURE. COORDINATE ROUTING WITH LIGHTING.
- 11 INSTALL DUCT HEATER PER MANUFACTURER'S RECOMMENDATION AND NEC MINIMUMS. TYPICAL FOR ALL ELECTRIC HEATERS.
- 12 PROVIDE ACCESSIBLE FILTER HOUSING FOR FAN COIL.
- 13 BIG ASS FANS MARKU 52" OR APPROVED EQUAL CEILING FAN. PROVIDE WITH MOUNTING DOWNROD SIZED TO SUSPEND FAN BELOW STRUCTURE AND AT MINIMUM 10'-0" ABOVE FINISHED FLOOR. COORDINATE FAN LOCATION WITH LIGHTING PLACEMENT. PROVIDE ARCHITECT WITH PROPOSED COLOR/FINISH INFORMATION PRIOR TO PURCHASE FOR REVIEW, REVISION, AND APPROVAL. PROVIDE 0-10V SPEED CONTROL ACCESSORY.



 LOWER LEVEL - HVAC
1/8" = 1'-0"



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 HVAC - LEVEL 0
 (LOWER LEVEL)



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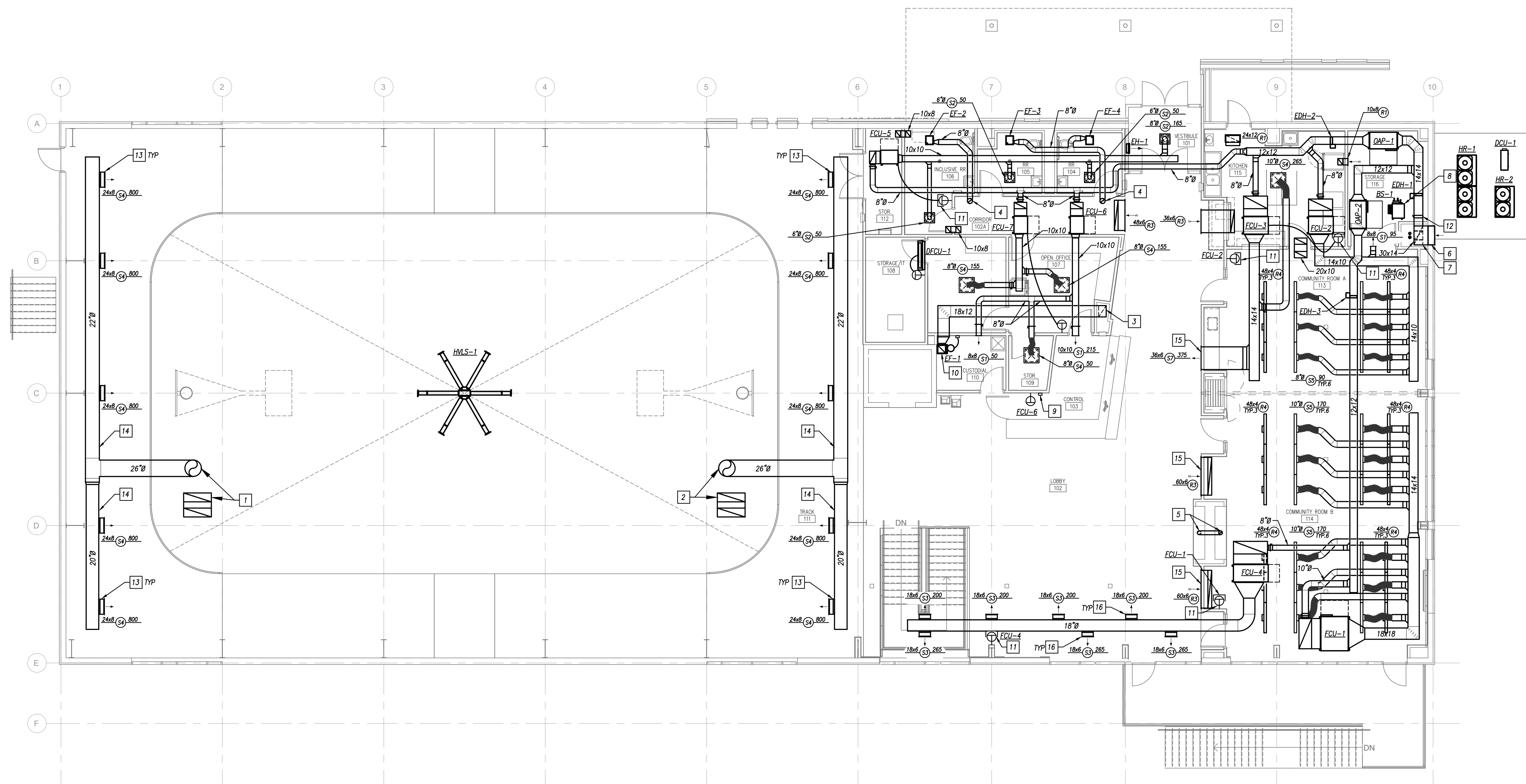
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GENERAL HVAC NOTES

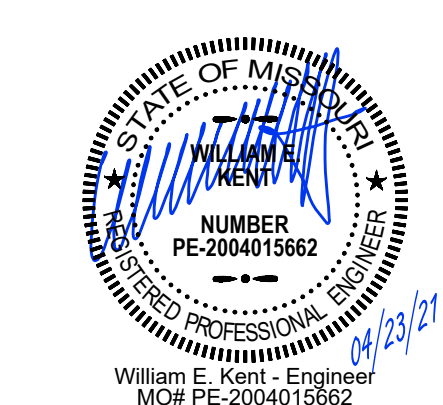
1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. ROUND BRANCH DUCT RUNOUTS AND FLEXIBLE DUCT SHALL BE THE SAME SIZE AS THE DIFFUSER NECK UNLESS NOTED OTHERWISE.
3. MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE 5'-0".
4. ALL RUNOUTS TO TERMINAL BOXES SHALL BE ONE SIZE LARGER THAN BOX INLETS UNLESS NOTED OTHERWISE.
5. ALL AIR DISTRIBUTION DEVICES SHALL HAVE LOCKABLE VOLUME CONTROL DEVICES.
6. ALL 90 DEGREE TURNING ELBOWS SHALL BE SMOOTH ROUND OR SQUARE WITH TURNING VANES.
7. DUCT SIZES SHOWN ON PLANS ARE INSIDE FREE AREA.
8. PROVIDE ACCESS DOORS IN DUCTS AHEAD OF ALL AUTOMATIC, FIRE, AND SMOKE DAMPERS.
9. FOR BALANCING THE OUTSIDE AIRFLOW QUANTITIES, REFER TO HVAC SCHEDULES.

HVAC PLAN KEYED NOTES

1. ROUTE 26" SUPPLY AND 44"x14" RETURN DUCT UP TO RDU-1 ON ROOF.
2. ROUTE 26" SUPPLY AND 44"x14" RETURN DUCT UP TO RDU-2 ON ROOF.
3. ROUTE 18"x12" EXHAUST DUCT DOWN TO LEVEL BELOW.
4. ROUTE 8" EXHAUST DUCT UP TO ROOF VENTILATOR.
5. CONNECT 6" FLUES TO EACH FIREPLACE. ROUTE 6" FLUE UP THROUGH ROOF.
6. PROVIDE 42x30 INTAKE LOUVER, RUSKIN ELF375DX OR APPROVED EQUAL.
7. ROUTE 14"x14" OUTSIDE AIR AND 4" FLUE AND INTAKE TO LEVEL BELOW. TERMINATE FLUE AT ROOF LEVEL WITH CONCENTRIC VENT KIT.
8. BRANCH SELECTOR BOX SHOWN IN THIS LOCATION FOR ELECTRICAL COORDINATION. LOCATE BRANCH SELECTOR BOX TO MINIMIZE PIPING AND PROVIDE ACCESSIBILITY FOR SERVICE.
9. LOCATE HWS-1 CONTROLLER AT CONTROL DESK.
10. MOUNT EF-1 INLINE FAN VERTICALLY ON ELEVATOR SHAFT WALL. ROUTE 12"x12" EXHAUST DUCT UP TO RV-1. PROVIDE TIME CLOCK CONTROLLER IN CUSTODIAL T10.
11. PROVIDE THERMOSTAT WITH LOCKABLE COVER.
12. PROVIDE 2" MERV 8 FILTER HOUSING.
13. PROVIDE DUCT MOUNTED DIFFUSER AT 0° ROTATION - HORIZONTAL ORIENTATION. ADJUST DIFFUSER BLADES TO DIRECT AIR AWAY FROM HANGING LIGHTS.
14. ROUTE DUCTWORK TIGHT TO STRUCTURE. COORDINATE ROUTING WITH LIGHTING.
15. CENTER DIFFUSER ON WALL BELOW. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.
16. PROVIDE DUCT MOUNTED DIFFUSER AT 30° ROTATION DOWNWARD FROM HORIZONTAL. ADJUST DIFFUSER BLADES TO DIRECT AIR AWAY FROM HANGING LIGHTS.



MAIN LEVEL - HVAC
1/8" = 1'-0"



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ISSUE DATE: 04.05.21
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HVAC - LEVEL 1 (MAIN)



PEARSON KENT MCKINLEY RAW ENGINEERS, LLC
13100 W. 96TH STREET
LENEA, KS 66215
913.682.2400 WWW.PKMRNG.COM
MO State Certificate of Authority #E-20020203886

M111

GENERAL NOTES:
1. CONTRACTOR SHALL VERIFY ALL REFRIGERANT SIZING WITH MANUFACTURER.
2. CONTRACTOR SHALL COORDINATE WITH EXISTING STRUCTURE FOR ROUTING OF REFRIGERANT PIPING.
3. ANY DEVIATION FROM THE BASIS OF DESIGN MANUFACTURER SHALL BE COORDINATED TO PROVIDE ADDITIONAL ACCESSORIES, PIPING, CONTROL BOXES, ETC. AS REQUIRED TO PROVIDE FULL WORKING SYSTEM.

Table with 2 columns: Item, Description. Includes items like VRF Outdoor Unit, VRF Indoor Unit, etc.

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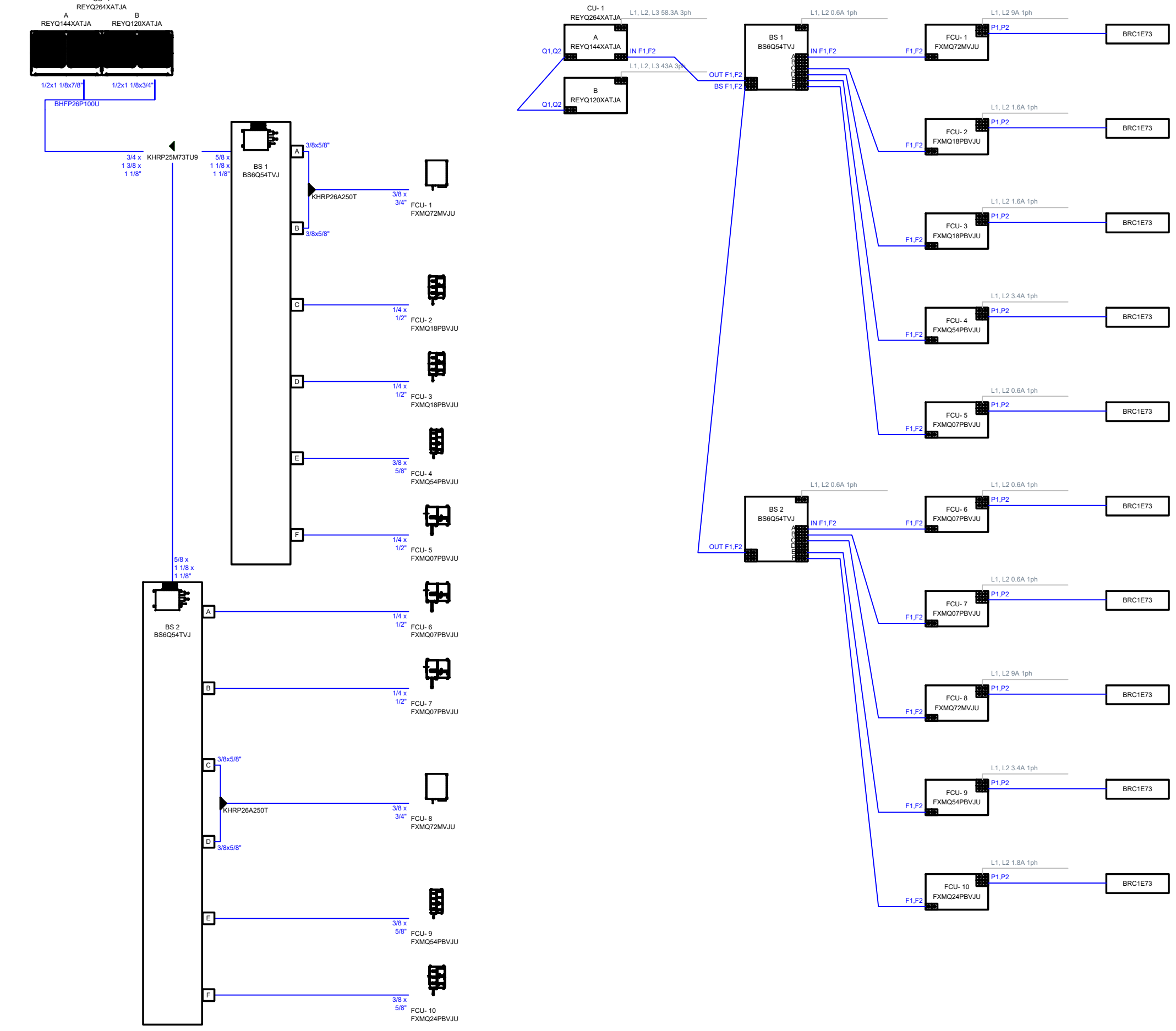
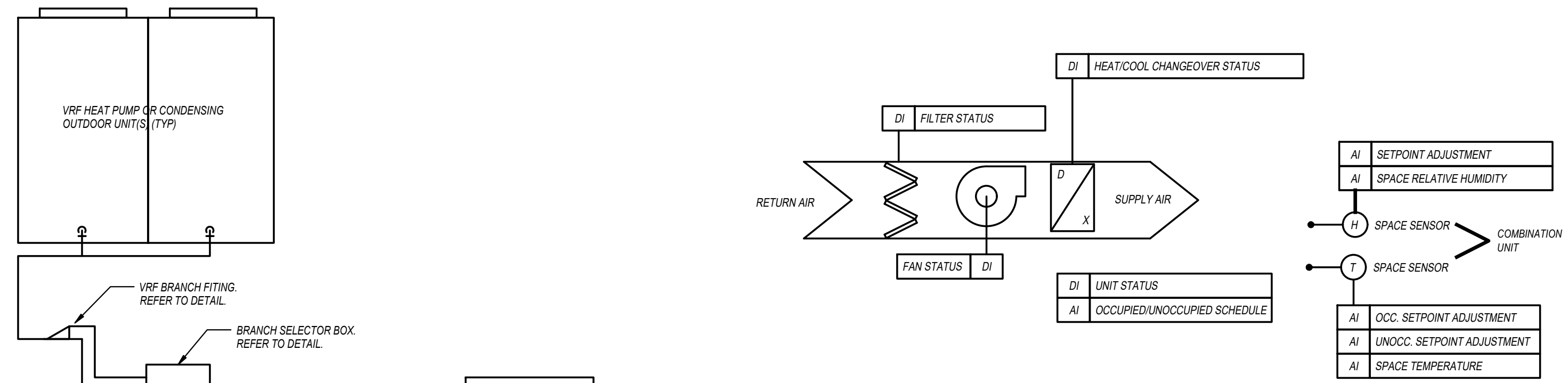
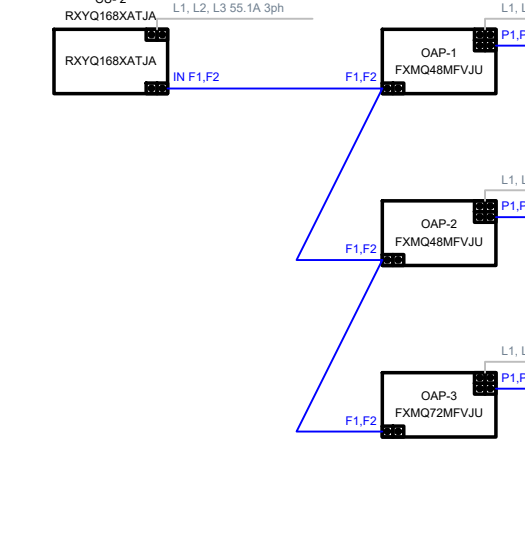
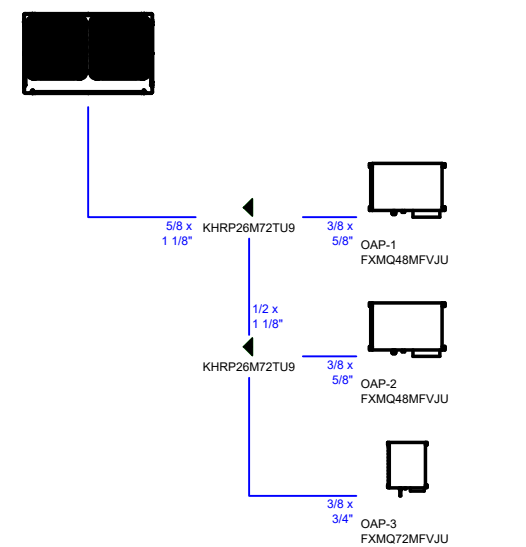


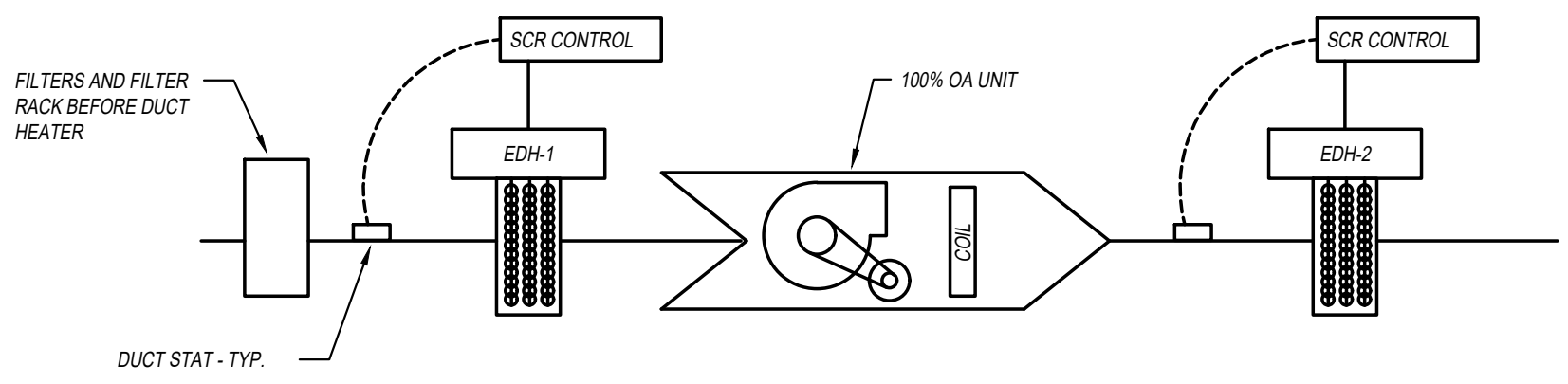
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VRF INDOOR FAN COIL UNIT CONTROL SCHEMATICS

NOT TO SCALE
SEQUENCE OF OPERATIONS
VRF DUCTED INDOOR FAN COILS
ALL POINTS ABOVE SHALL BE PROVIDED BY VRF CONTROLLER FOR MONITORING
THE OCCUPIED/UNOCCUPIED MODE OF OPERATION SHALL BE DETERMINED BY THE TIMELOCK FUNCTION OF THE VRF CONTROLLER. THE VRF INDOOR FCU SHALL VARY THE SPEED OF THE FAN IN SEQUENCE WITH THE STAGES OF HEATING OR COOLING AS REQUIRED TO SATISFY THE SPACE SENSOR.
THE TEMPERATURE SET POINTS SHALL BE ADJUSTABLE FROM THE VRF CONTROLLER.



DUCT HEATER CONTROL SCHEMATIC FOR OUTSIDE AIR FAN COIL UNIT

NOT TO SCALE
SEQUENCE OF OPERATION
1. CONTRACTOR SHALL PROGRAM STATS TO MEET THE TEMPERATURE REQUIREMENTS DESCRIBED HEREIN WHEN IN HEATING MODE.
2. HEATERS SHALL INTERLOCK WITH 100% OA UNIT. ALL SAFETIES TO BE PROVIDED WITH HEATER INCLUDE AIR PROVING SWITCH.
3. INLET DUCT HEATER SHALL MODULATE ELECTRIC HEAT TO MAINTAIN AIR TEMPS NO LESS THAN 30F ENTERING OUTSIDE AIR UNIT.
4. OUTLET DUCT HEATER SHALL MODULATE ELECTRIC HEAT TO MAINTAIN AIR TEMPS NO LESS THAN 70F SUPPLY AIR.

NOTES:
1. INDOOR UNITS SHALL BE CONNECTED TO THE OUTDOOR UNITS WITH GROUPING AS SHOWN AND PIPING CONFIGURATION IN COMPLIANCE WITH THE VRF MANUFACTURER'S CERTIFIED INSTALLATION SHOP DRAWINGS.
2. INSTALLING CONTRACTOR SHALL VERIFY ACTUAL CIRCUITING, REFRIGERANT LINE QUANTITIES AND LINE SIZES WITH MANUFACTURER'S VRF SHOP DRAWINGS.
3. INSTALLING CONTRACTOR SHALL VERIFY FITTING TYPE AND LOCATION WITH VRF MANUFACTURER'S SHOP DRAWINGS.
4. HARD-DRAWN STRAIGHT COPPER TUBING SHALL BE USED FROM THE OUTDOOR UNIT TO THE INDOOR UNIT CONNECTION. SOFT-ANNEALED COILED COPPER TUBING MAY BE USED AT THE CONTRACTOR'S OPTION, IN COMPLIANCE WITH THE SPECIFICATIONS, FROM BRANCH SELECTOR BOXES TO THE INDOOR UNIT CONNECTION. COOL PIPING AND REFRIGERANT LINE KITS SHALL NOT EXCEED 30 FEET. SEE SPECIFICATIONS FOR RELATED REQUIREMENTS.
5. RIGID COPPER TUBING OR COILED REFRIGERANT TUBING MAY BE USED FOR FINAL CONNECTION TO INDOOR UNIT. SEE SPECIFICATIONS FOR RELATED INFORMATION.
6. INSTALL EXPOSED PIPING AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE NOT PERMITTED UNLESS EXPRESSLY INDICATED.
7. INSTALL PIPING FREE OF SAGS OR BENDS AND WITH AMPLE SPACE BETWEEN PIPING TO PERMIT PROPER INSULATION APPLICATION.

VRF TYPICAL PIPING DIAGRAM

NOT TO SCALE

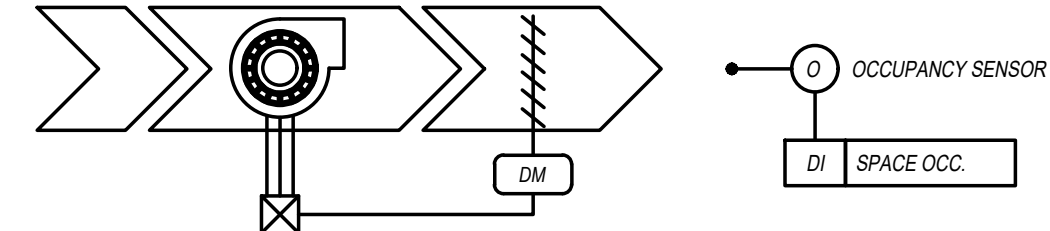
SEQUENCE OF OPERATION

VAU ROOFTOP UNIT: DX COOLING WITH GAS HEAT
BUILDING AUTOMATION SYSTEM INTERFACE
THE BUILDING AUTOMATION SYSTEM (BAS) WILL SEND THE CONTROLLER OCCUPIED, UNOCCUPIED, OPTIMAL START, NIGHT HEAT / COOL, AND TIMED OVERRIDE COMMANDS. IF A BAS IS NOT PRESENT, OR COMMUNICATION IS LOST WITH THE BAS, THE CONTROLLER WILL OPERATE USING ITS LOCAL SCHEDULE AND SETPOINTS.
UNOCCUPIED MODE
IN THE UNOCCUPIED MODE THE ROOFTOP UNIT (RTU) WILL BE OFF. DURING MORNING WARM UP OR COOL DOWN MODES, THE VARIABLE FREQUENCY DRIVE (VFD) WILL OPERATE AS NECESSARY TO MAINTAIN DUCT STATIC PRESSURE SETPOINT (ADJ). THE OUTSIDE AIR DAMPER WILL REMAIN CLOSED, AND THE RETURN AIR DAMPER WILL REMAIN OPEN DURING UNOCCUPIED MODE.
MORNING WARM-UP MODE
ON A TRANSITION FROM THE UNOCCUPIED MODE TO OCCUPIED MODE, IF THE ZONE AVERAGE TEMPERATURE IS 3°F BELOW THE OCCUPIED SETPOINT A MORNING WARM-UP ROUTINE MODE WILL BE ACTIVATED. WHEN MORNING WARM-UP IS INITIATED THE RTU WILL ENABLE THE SUPPLY FAN AND HEAT TO MAINTAIN 65 DEGREE (ADJ) DISCHARGE AIR TEMPERATURE. THE OUTSIDE AIR DAMPER WILL REMAIN CLOSED, WHEN THE ZONE AVERAGE TEMPERATURE REACHES SETPOINT (ADJ), THE RTU WILL TRANSITION TO THE OCCUPIED MODE.
COOL-DOWN MODE
ON A TRANSITION FROM THE UNOCCUPIED MODE TO OCCUPIED MODE, IF THE ZONE AVERAGE TEMPERATURE IS 3°F ABOVE THE OCCUPIED SETPOINT A MORNING COOL-DOWN MODE WILL BE ACTIVATED. WHEN MORNING COOL-DOWN IS INITIATED THE RTU WILL ENABLE THE FAN AND DX COOLING OR ECONOMIZER. THE OUTSIDE AIR DAMPER WILL REMAIN CLOSED UNLESS IN ECONOMIZER. WHEN THE ZONE AVERAGE TEMPERATURE REACHES SETPOINT (ADJ), THE RTU WILL TRANSITION TO THE OCCUPIED MODE.
OCCUPIED MODE
THE RTU WILL ENABLE COOLING OR HEATING TO MAINTAIN DISCHARGE AIR TEMPERATURE SETPOINT (ADJ). THE RTU WILL CONTROL THE SUPPLY FAN VFD TO MAINTAIN DUCT STATIC PRESSURE SETPOINT (ADJ). THE OUTDOOR AIR DAMPER WILL OPEN TO THE MINIMUM VENTILATION AIRFLOW SETPOINT.
COOLING MODE
AS THE SUPPLY AIR TEMPERATURE (SAT) RISES ABOVE THE ACTIVE SUPPLY AIR COOLING SETPOINT, THE DIGITAL COMPRESSOR WILL STAGE ON AND MODULATE TO CONTROL TO THE ACTIVE SUPPLY AIR COOLING SETPOINT. IF ADDITIONAL COOLING IS REQUIRED, FIXED COMPRESSOR STAGES CAN BE STAGED ON WHILE THE DIGITAL COMPRESSOR CONTINUES TO MODULATE. COORDINATE WITH MANUFACTURER FOR MINIMUM OFF (ADJ) AND RUN TIMES (ADJ) AS WELL AS STAGE DOWN DELAYS (ADJ).
HEATING MODE
AS THE SUPPLY AIR TEMPERATURE (SAT) FALLS BELOW THE ACTIVE SUPPLY AIR HEATING SETPOINT, THE HEATING WILL BEGIN TO STAGE ON OR TO MODULATE. HEATING WILL CONTINUE TO RUN UNTIL THE SUPPLY AIR TEMPERATURE RISES ABOVE THE ACTIVE SUPPLY AIR TEMPERATURE SETPOINT PLUS THE HEATING STAGE CONTROL WINDOW AT WHICH POINT THE HEATING WILL BEGIN TO STAGE OFF.
SUPPLY AIR TEMPERATURE RESET CONTROL
THE SUPPLY AIR TEMPERATURE SETPOINT, ADJUSTABLE (32°F-65°F), WILL BE RESET BASED ON EITHER THE OUTSIDE AIR TEMPERATURE FOR HEATING MODE OR SUPPLY FAN VFD PERCENTAGE DURING COOLING MODE.
OUTDOOR AIR TEMPERATURE RESET
THE DISCHARGE AIR TEMPERATURE SETPOINT WILL BE ADJUSTED BASED ON THE OUTSIDE AIR TEMPERATURE.
FAN VFD PERCENTAGE RESET
THE DISCHARGE AIR TEMPERATURE SETPOINT WILL BE ADJUSTED BASED ON THE SPEED OF THE SUPPLY AIR FAN.
DISCHARGE DUCT STATIC PRESSURE CONTROL WITH RESET
THE RTU WILL MODULATE THE OUTPUT TO THE VFD AS REQUIRED TO MAINTAIN THE DUCT STATIC PRESSURE SETPOINT OF 1.5 INCHES W.C. (ADJ). IF THE DUCT STATIC PRESSURE FALLS BELOW 1.3 INCHES W.C. (ADJ) THE RTU WILL INCREASE THE OUTPUT TO THE VFD TO MAINTAIN SETPOINT. IF THE DUCT STATIC PRESSURE RISES ABOVE 1.7 INCHES W.C. (ADJ) THE RTU WILL DECREASE THE OUTPUT TO THE VFD TO MAINTAIN SETPOINT. RESET STATIC PRESSURE SETPOINT BASED ON THE ZONE PRESSURE.
THE SUPPLY DUCT STATIC PRESSURE SENSOR WILL ALSO ACT AS A HIGH DUCT STATIC PRESSURE SAFETY AND WILL SHUT DOWN THE RTU IN THE EVENT THAT THE DUCT STATIC PRESSURE REACHES 3.0 INCHES W.C. (ADJ). A RESET WILL BE REQUIRED TO RESET THE RTU. IF THE DUCT STATIC PRESSURE SENSOR FALLS, THE VFD WILL MODULATE ITS SPEED TO 50%. AN ALARM WILL BE ANNOUNCED.
ECONOMIZER CONTROL
THE MIXED AIR SENSOR WILL MEASURE THE DRY BULB TEMPERATURE OF THE AIR LEAVING THE EVAPORATOR COIL WHILE ECONOMIZING. WHEN ECONOMIZING IS ENABLED AND THE UNIT IS OPERATING IN THE COOLING MODE, THE ECONOMIZER DAMPER IS MODULATED BETWEEN ITS MINIMUM POSITION AND 100% TO MAINTAIN THE ZONE TEMPERATURE AT THE ECONOMIZER SETPOINT. THE ECONOMIZER SETPOINT IS (ESP) DERIVED FROM THE COOLING AND HEATING SETPOINTS (CSP AND HSP) SO THAT ESP IS THE HIGHER OF CSP - 1.5°F OR HSP + 1.5°F. IF THE MIXED AIR TEMPERATURE STARTS TO FALL BELOW 55°F, THE ECONOMIZER STARTS TO CLOSE. AT 50°F, THE DAMPER WILL BE AT MINIMUM POSITION. COMPRESSORS WILL BE DELAYED FROM OPERATING UNTIL THE ECONOMIZER HAS OPENED TO 100% FOR 5 MINUTES.
REFERENCE DRY BULB
OUTSIDE AIR (OA) TEMPERATURE IS COMPARED WITH A REFERENCE DRY BULB POINT. THE ECONOMIZER IS ENABLED WHEN OA TEMPERATURE IS LESS THAN REFERENCE DRY BULB POINT. THE ECONOMIZER IS DISABLED WHEN OA TEMPERATURE IS GREATER THAN REFERENCE DRY BULB POINT + 1.0°F.
SUPPLY FAN OPERATION
THE SUPPLY FAN WILL BE ENABLED WHILE IN THE OCCUPIED MODE AND CYCLED OFF DURING THE UNOCCUPIED MODE. A DIFFERENTIAL PRESSURE SWITCH WILL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FAN. IF THE SWITCH DOES NOT OPEN WITHIN 40 SECONDS AFTER A REQUEST FOR FAN OPERATION A FAN FAILURE ALARM WILL BE ANNOUNCED. THE UNIT WILL STOP, REQUIRING A MANUAL RESET.
DEHUMIDIFICATION
WHEN IN UNOCCUPIED MODE, IF ANY SPACE HUMIDITY SENSOR IS ABOVE UNOCCUPIED HUMIDITY SETPOINT, A DEHUMIDIFICATION CYCLE SHALL ENABLE THE SUPPLY FAN, RESET DISCHARGE AIR TEMPERATURE TO 55°F (ADJ) AND ENABLE STAGES OF HEAT TO MAINTAIN A 70°F (ADJ) LEAVING AIR TEMPERATURE.
UNIT SHUTDOWN
SHUTDOWN UNIT UPON ALARM OF UNOCCUPIED SYSTEM SMOKE DETECTORS.

TEMPERATURE CONTROL SYMBOLS table with columns for symbol, description, and unit.

TEMPERATURE CONTROL REQUIREMENTS
1. ALL CONTROLS INSTALLED FOR THIS PROJECT SHALL BE OPEN PROTOCOL TO INTERFACE WITH BACNET. NO PROPRIETARY SYSTEMS ALLOWED.
2. BAS SYSTEM SHALL HAVE REMOTE WEB BASED ACCESS FROM BOTH DESKTOP COMPUTERS AND MOBILE FRIENDLY SMART PHONE APP.
3. PROVIDE TEMPERATURE MONITORING OF THE DATA ROOM. REPORT ALARMS ON HIGH (80°F ADJ) AND LOW (60°F ADJ) TEMPERATURES.
4. THE BMS SYSTEM SHALL PROVIDE TRENDS DATA AND DIAGNOSTIC CONTROL STEPS TO ALLOW MAINTENANCE PERSONNEL TO TROUBLESHOOT THEIR SYSTEM FOR AHU/CONDENSING UNIT, PROVIDE CONTROL START/STOP FAN COMMAND O.A DAMPER OPEN/CLOSED, ENGAGE COMPRESSOR(S), AND ENGAGE HEATING.

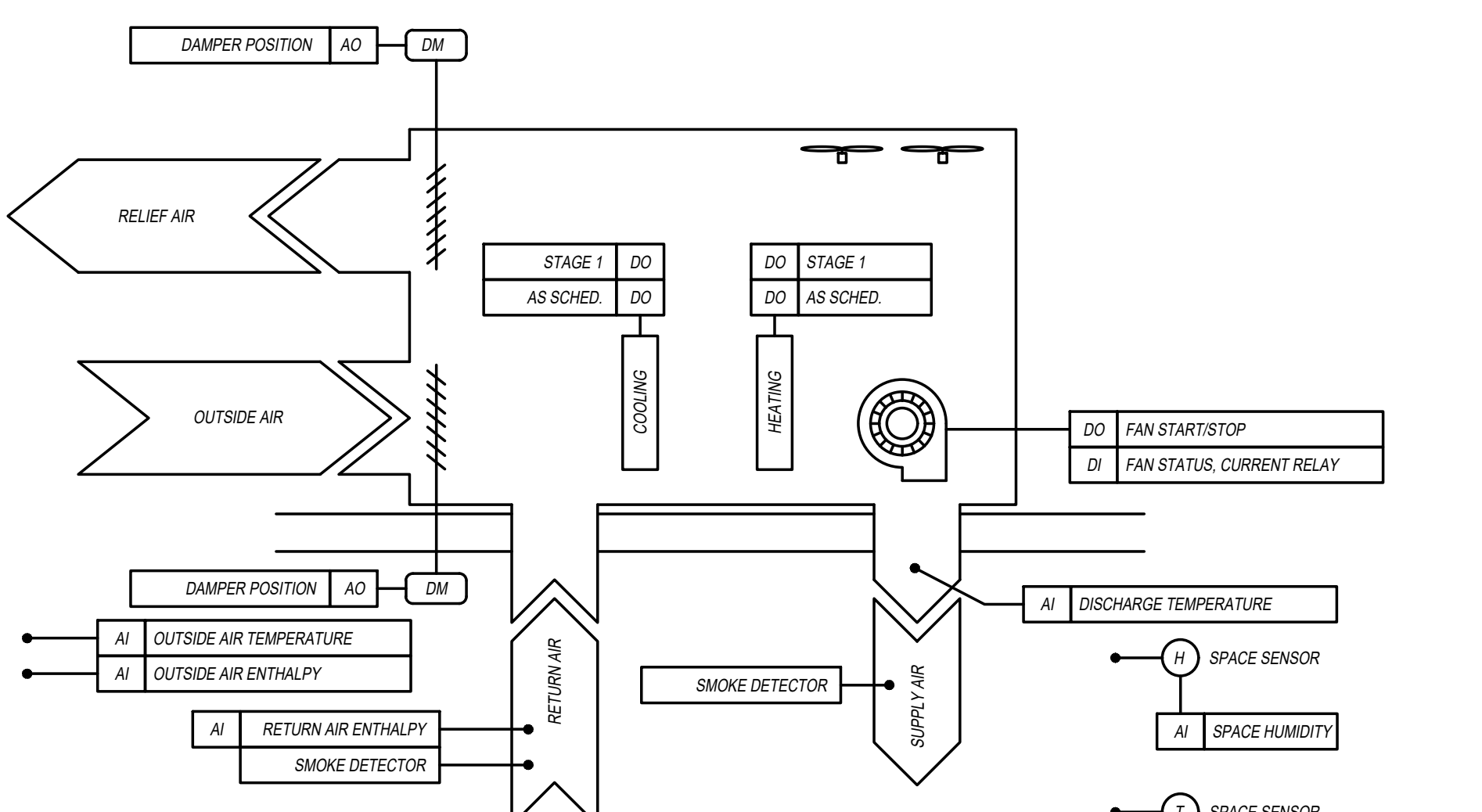
GENERAL NOTES:
1. FURNISH AND INSTALL A VRF CONTROLLER FOR REMOTE CONTROL AND MONITORING OF ALL FAN COIL TEMPERATURES, SETPOINT AND STATUS.
2. SPACE TEMPERATURE SETPOINTS (ADJ):
a. OCCUPIED COOLING 72°F
b. UNOCCUPIED COOLING 78°F
c. OCCUPIED HEATING 78°F
d. UNOCCUPIED HEATING 64°F
e. ALL SETPOINTS ARE ADJUSTABLE AND SHALL BE COORDINATED WITH THE OWNER.
3. ZONE CONTROLLER SENSORS SHALL INCLUDE THE FOLLOWING:
a. TEMPERATURE SETPOINT
b. HEATING/COOLING MODE
c. LOCK OUT CAPABILITIES.



SEQUENCE OF OPERATIONS
TIMECLOCK SHALL START, STOP FAN OPERATION, PROGRAM FAN TO RUN IN OCCUPIED MODE BMS OF LOWER LEVEL RESTROOM OCCUPANCY.
OCCUPIED MODE:
IN OCCUPIED MODE THE EXHAUST FAN WILL RUN AT THE DESIGN AIR FLOW TO MEET AIR CHANGE REQUIREMENTS.
UNOCCUPIED MODE:
IN UNOCCUPIED MODE THE EXHAUST FAN WILL NOT OPERATE. COORDINATE SCHEDULE WITH OWNER.

EXHAUST FAN CONTROL SCHEMATIC

NOT TO SCALE



VAV ROOFTOP UNIT CONTROLS SCHEMATIC

NOT TO SCALE

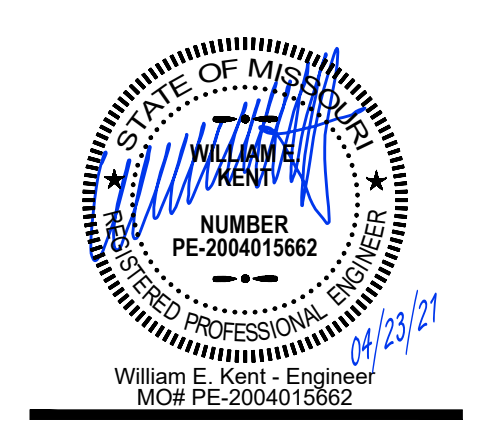


Table with 2 columns: Item, Description. Includes items like VAV Rooftop Unit, etc.

ROOFTOP UNIT SCHEDULE (GAS HEAT)

Table with columns: PLAN MARK, MANUFACTURER, MODEL, SUPPLY CFM, O.A. CFM, FAN DATA (E.S.P., BHP, HP), COOLING COIL (EAT, LAT, T/S CAPACITY), GAS HEATING (INPUT, OUTPUT, EAT/LAT), FILTERS (NO., THICKNESS, SIZE), ELECTRICAL (VOLTS/PH, M.C.A., M.O.C.P., S.C.C.R. (A)), WEIGHT (LBS), REMARKS.

- REMARKS: 1. COOLING CAPACITIES BASED ON 105° AMBIENT TEMPERATURE. 2. FURNISH WITH INTEGRAL SINGLE-POINT ELECTRICAL DISCONNECT AND CONVENIENCE OUTLET ON SEPARATE CIRCUIT. 3. COORDINATE DUCT DETECTORS WITH ELECTRICAL CONTRACTOR. 4. PROVIDE WITH VARIABLE SPEED COMPRESSORS, LEAD COMPRESSOR IS TO BE INVERTER SCROLL TYPE. 5. PROVIDE WITH STAINLESS STEEL GAS HEAT EXCHANGER, WITH A MINIMUM OF 5:1 TURNDOWN. 6. PROVIDE WITH BAROMETRIC RELIEF. 7. PROVIDE WITH ECM DIRECT DRIVE SUPPLY FAN. 8. PROVIDE WITH LEAVING COIL / ENTERING FAN TEMPERATURE, DUCT HIGH LIMIT SWITCH, RETURN AIR TEMPERATURE, DISCHARGE AIR TEMPERATURE, OUTSIDE AIR TEMPERATURE, RETURN AIR ENTHALPY, OUTSIDE AIR ENTHALPY, AND DIRTY FILTER SENSORS. 9. PROVIDE SEVEN DAY PROGRAMMABLE THERMOSTAT. 10. PROVIDE WITH ECONOMIZER AND MODULATING DAMPERS.

MINI-SPLIT COOLING ONLY UNIT

Table with columns: PLAN MARK, MANUFACTURER, MODEL, STYLE, NOM. TON, SUPPLY FAN (CFM, FLA, EAT/LAT, CAP. (MBH), TYPE, VOLTAGE), MARK, MODEL, OUTDOOR HEAT PUMP UNIT (AMBIENT REF., M.C.A., M.O.C.P., VOLTAGE), REMARKS.

- REMARKS: 1. PROVIDE WITH WREED, WALL-MOUNTED THERMOSTAT / CONTROLLER. 2. PROVIDE INTEGRAL DISCONNECT FOR INDOOR EVAPORATOR AND EXTERNAL HEAVY DUTY NEMA 3P DISCONNECT FOR CONDENSING UNIT. PROVIDE WIRING BETWEEN INDOOR AND OUTDOOR UNIT. COORDINATE WITH EC. 3. UNIT SHALL OPERATE DOWN TO 0° IN COOLING MODE. PROVIDE ACCESSORIES AS REQUIRED.

ELECTRIC DUCT HEATER SCHEDULE

Table with columns: PLAN MARK, MANUFACTURER, MODEL NUMBER, AIRFLOW (CFM), CAPACITY (KW), ΔT (°F), DUCT SIZE (IN.), VOL/TPH, CONTROL OPTIONS, REMARKS.

- REMARKS: 1. PROVIDE WITH INTEGRAL DISCONNECT SWITCH.

ELECTRIC HEATER SCHEDULE

Table with columns: PLAN MARK, MANUFACTURER, MODEL NUMBER, TYPE, CFM, KW, VOLTAGE, REMARKS.

- REMARKS: 1. PROVIDE WITH INTEGRAL THERMOSTAT AND DISCONNECT.

VENTILATOR SCHEDULE

Table with columns: PLAN MARK, MANUFACTURER, SERVICE, MODEL NUMBER, HOOD SIZE (IN.), THROAT SIZE (IN.), CFM, S.P.D. (IN. W.G.), REMARKS.

- REMARKS: 1. RAIN GUTTER AND BROSSCREEN STANDARD. 2. PROVIDE 14" TALL CURB.

GRILLE, REGISTER & DIFFUSER SCHEDULE

Table with columns: PLAN MARK, MANUFACTURER, MODEL NUMBER, MATERIAL, STYLE, DESCRIPTION, MOUNT TYPE, FACE SIZE (IN.), NECK SIZE (IN.), VOLUME DAMPER, MAX APD (IN. WG.), MAX NO., FINISH COLOR, REMARKS.

- REMARKS: 1. PROVIDE ALL GRD WITH ALL NECESSARY MOUNTING HARDWARE. 2. PROVIDE GRD WITHOUT SOREHOLES WHEN INSTALLED IN LAY-IN CEILING. 3. VERIFY CEILING CONFIGURATION, COLOR AND SPECIFICS WITH ARCHITECTURAL CEILING PLANS. 4. PROVIDE WITH INSULATED PLENUM. 5. LENGTH AS INDICATED ON PLANS. 6. PROVIDE ROUND NECK ADAPTER WHERE SHOWN WITH ROUND CONNECTION. 7. COORDINATE FINISH WITH ARCHITECT. PROVIDE GALVANIZED OR MILL FINISH WHERE DUCTWORK IS NOT TO BE PAINTED. PROVIDE PRIME PAINTABLE FINISH WHEN DUCTWORK IS TO BE PAINTED.

EXHAUST FAN SCHEDULE

Table with columns: PLAN MARK, MANUFACTURER, MODEL NUMBER, TYPE, CFM, E.S.P. (IN.), BHP, HP, DRIVE, SONES, RPM, ELECTRICAL, CONTROL, REMARKS.

- REMARKS: 1. UNIT SHALL BE PROVIDED WITH SOLID STATE SPEED CONTROL. 2. PROVIDE WITH STARTER AND WIRE TO START SWITCH. 3. PROVIDE WITH BACKDRIFT DAMPER.

HVLS FAN SCHEDULE

Table with columns: PLAN MARK, MANUFACTURER, MODEL NUMBER, DIA., BLADES, HP, DRIVE, RPM, ELECTRICAL, MISC. CONTROLS, REMARKS.

- REMARKS: 1. UNIT SHALL BE CONSTRUCTED WITH INDUSTRIAL GRADE MOTOR AND GEARBOX WITH ON BOARD VFD IN NEMA 4X ENCLOSURE. 2. UNIT SHALL BE CONSTRUCTED WITH 5 OR 6 AIRFLOW BLADES WITH WINGLETS TO REDUCE WIND NOISE. 3. PROVIDE OPTIONAL MOUNTING KIT AND GUY WIRES AS REQUIRED. COORDINATE MOUNTING WITH STRUCTURAL DRAWINGS. 4. PROVIDE WITH SMART SENSE WALL CONTROLLER AND REMOTE TEMPERATURE SENSOR. 5. PROVIDE WITH FIRE RELAY FOR FAN SHUTDOWN UPON SPRINKLER FLOW. 6. PROVIDE IN COLORS AS CHOSEN BY ARCHITECT.

FAN COIL SCHEDULE

Table with columns: PLAN MARK, MANUFACTURER, MODEL NUMBER, CFM, OA CFM, E.S.P. (IN. W.G.), TOTAL COOLING CAPACITY (MBH), TOTAL HEATING CAPACITY (MBH), VOLTAGE, M.C.A., M.O.C.P., REMARKS.

- REMARKS: 1. CAPACITIES AND AIRFLOWS ARE MANUFACTURER'S VALUES AT RATED CONDITIONS, NOT ACTUAL OPERATING CONDITIONS. 2. PROVIDE CONDENSATE PUMP AND ALL REQUIRED ACCESSORIES FOR MOUNTING. 3. PROVIDE CONDENSATE PAN AND SECONDARY DRAIN WITH SHUTDOWN ALARM UPON DETECTION. 4. PROVIDE WITH MEANS AND PROPER ACCESS TO FILTERS PRIOR TO COIL. ALL UNITS SHALL HAVE FILTERS PRIOR TO COIL.

DUCTWORK INSULATION SCHEDULE

Table with columns: PURPOSE, DUCT, LOCATION, STYLE, MATERIAL, INSULATION APPLICATION, THICKNESS, NOTES.

- NOTES: 1. PROVIDE LINER ONLY WITHIN 10' OF FAN FOR ACOUSTICS. 2. CONTRACTOR OPTION TO USE ROUND DUCT LINER OR PROVIDE PERFORMED LINER DOUBLE WALL DUCT (SOLID LINER FOR OUTSIDE AIR DUCTS). GENERAL REMARKS (APPLICABLE TO ALL TYPES): 1) ALL DUCTWORK, INSULATION AND MATERIALS IN PLENUMS MUST MEET ASTM E84 FLAME/SMOKE RATING OF 25/50. 2) ALL INSULATION THICKNESSES SHALL MEET ASHRAE 90.1 - 2016 REQUIREMENTS AT A MINIMUM. 3) REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION FOR INSULATION PRODUCTS AND SYSTEMS.

HVAC PIPING MATERIAL SCHEDULE

Table with columns: PIPING SYSTEM, SIZE, TYPE/SCHEDULE, MATERIAL, ACCEPTABLE FITTINGS, FIELD TEST PRESSURE/TIME, ALLOWABLE IN PLENUMS, INSULATION TYPE, THICKNESS.

- NOTES: 1. ALL PIPING AND MATERIALS IN PLENUMS MUST MEET ASTM E84 FLAME/SMOKE RATING OF 25/50. 2. ALL INSULATION THICKNESSES SHALL MEET ASHRAE 90.1 - 2007 REQUIREMENTS AT A MINIMUM. 3. REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION.

HEAT RECOVERY UNIT SCHEDULE

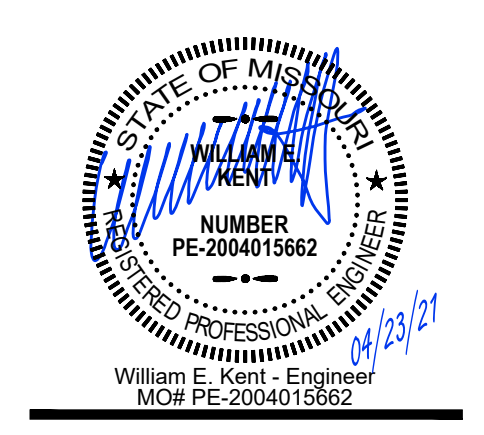
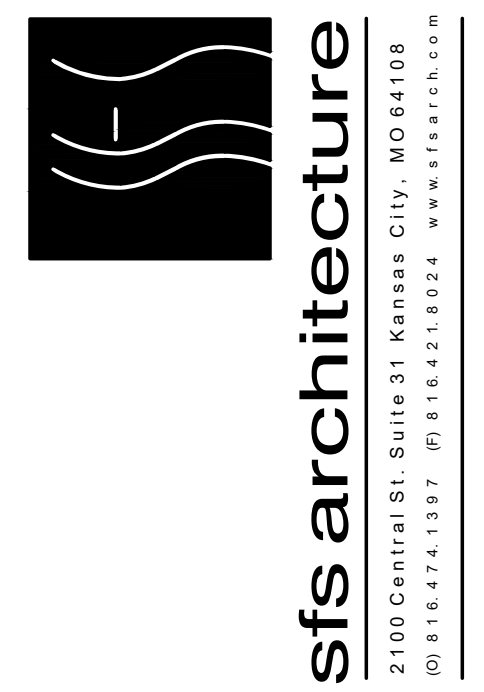
Table with columns: PLAN MARK, MANUFACTURER, MODEL NUMBER, COOLING CAPACITY (MBH), HEATING CAPACITY (MBH), MINIMUM SEER, AMBIENT TEMP. (°F), VOLTS/PH, ELECTRICAL (M.C.A., M.O.C.P., S.C.C.R. (A)), REMARKS.

- REMARKS: 1. HEAT PUMP SHALL OPERATE DOWN TO -13°F. 2. PROVIDE WITH INTEGRAL CIRCUIT BREAKER DISCONNECT.

HEAT RECOVERY BRANCH SELECTOR SCHEDULE

Table with columns: MARK, MANUFACTURER, MODEL, # OF PORTS, ASSOCIATED HEAT PUMP, ASSOCIATED FAN COILS (PORT 1-6), ELECTRICAL (V/PH, M.C.A., M.O.C.P.), REMARKS.

- REMARKS: 1. MANUFACTURER TO SIZE ALL REFRIGERANT LINES. 2. MAX CAPACITY PER PORT SHALL BE COORDINATED WITH MANUFACTURER. 3. PROVIDE ISOLATION VALVES BEFORE AND AFTER REFRIGERANT CONTROL BOX AND NECESSARY ACOUSTICAL TREATMENT TO MAINTAIN A MAX NOISE CRITERIA OF 20 NC. 4. PROVIDE DRAIN CONNECTION AS REQUIRED BY MANUFACTURER'S INSTALLATION DATA.



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Table with columns: NO., DATE, DESCRIPTION.

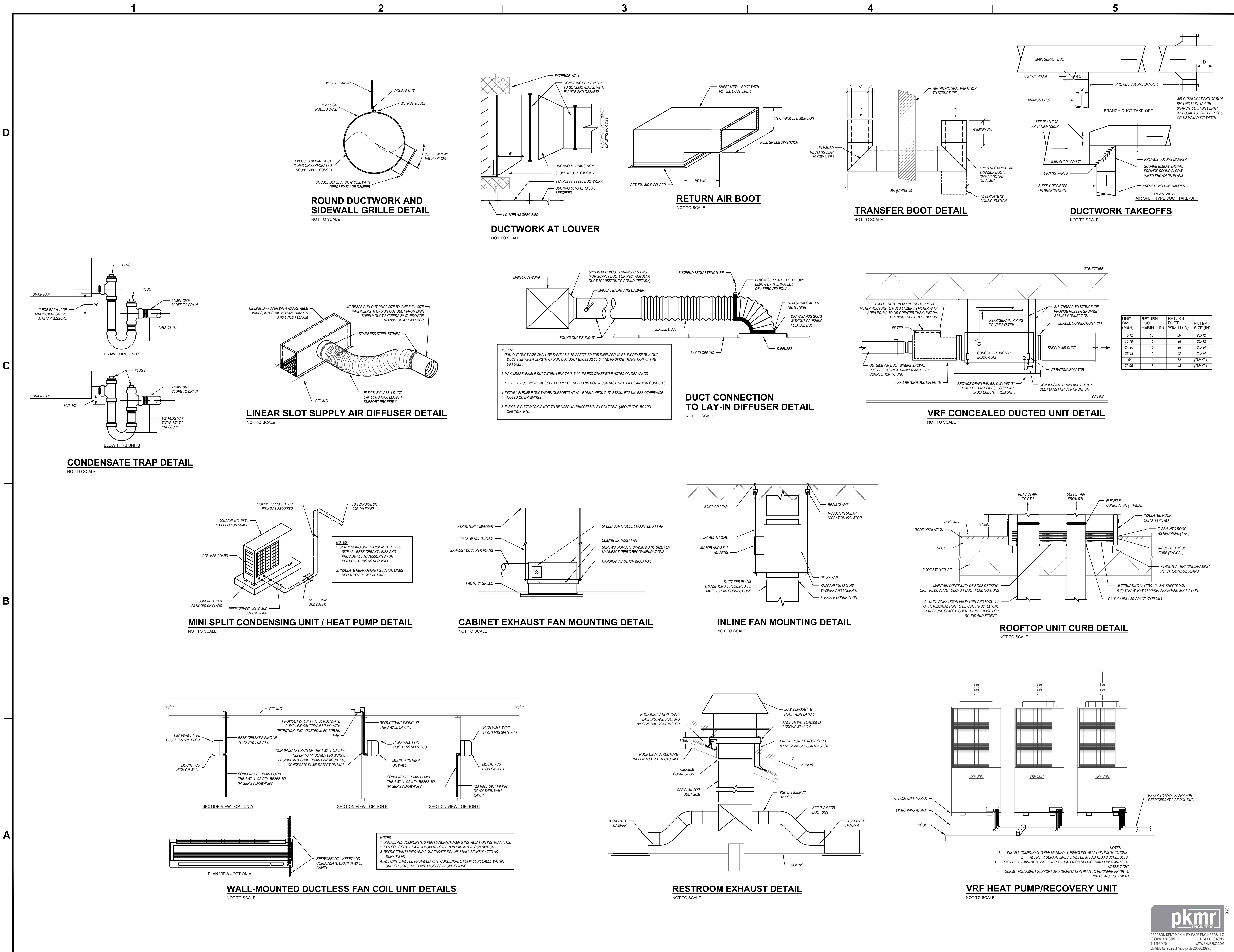
SFS PROJECT NO: 181012
ISSUED FOR: 100% CDS
ISSUE DATE: 04.05.21
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MECHANICAL SCHEDULES
pkmr ENGINEERS
PEARSON KENT MONROE RAY ENGINEERS LLC
13100 W 96TH STREET
LENEXA, KS 66215
913.682.2400 WWW.PKMR.COM
MO State Certificate of Authority #E-2002002088

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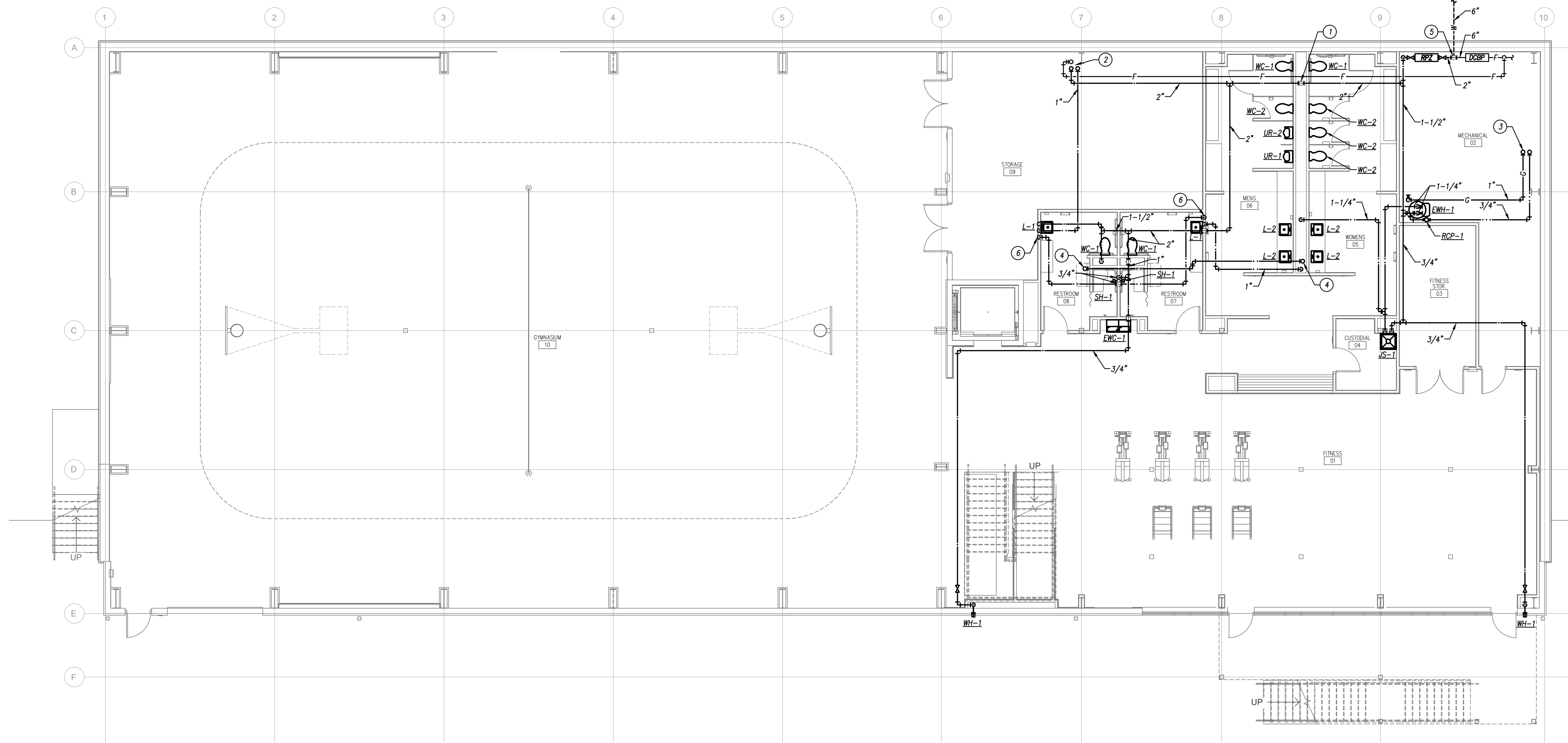


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 **LOWER LEVEL - DOMESTIC WATER**
1/8" = 1'-0"

GENERAL PLUMBING NOTES

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. REFER TO PLUMBING FIXTURE / DRAIN SCHEDULES FOR PIPING SIZES FOR INDIVIDUAL CONNECTIONS TO FIXTURES AND RISERS NOT SHOWN ON PLANS.
3. NO SANITARY OR VENT PIPING BELOW GRADE SHALL BE LESS THAN 2".
4. NO DOMESTIC WATER PIPING SHALL BE SMALLER THAN 3/4" UNLESS NOTED OTHERWISE.
5. ALL VENT PIPING SHOWN IS DIAGRAMMATIC. USE APPROPRIATE FITTINGS FOR VENT PIPING BELOW FLOOD RIM OF FIXTURE.
6. NOT ALL INTERIOR CLEANOUTS ARE SHOWN FOR DRAWING CLARITY. CONTRACTOR SHALL INSTALL ALL CODE-REQUIRED CLEANOUTS (RE. GENERAL NOTES ON COVER SHEET). COORDINATE EXACT LOCATIONS OF CLEANOUTS WITH ARCHITECT.
7. PROVIDE 1/2" TRAP PRIMER PIPING FOR ALL FLOOR DRAINS TO NEAREST TRAP PRIMER VALVE. PIPING SHALL BE TYPE "K" SOFT COPPER SEAMLESS WITH NO JOINTS FROM VALVE TO DRAIN.

PLUMBING PLAN KEYED NOTES

- 1) REFER TO RISER DIAGRAM FOR DETAILED SIZING. 2" DOWN TO CHASE.
- 2) 2" DOWN AND 1" DOWN UP TO LEVEL ABOVE. ROUTE FIRE PIPING UP TO FDC IN CHASE ABOVE.
- 3) 3/4" DOWN AND 1" DOWN UP TO LEVEL ABOVE.
- 4) 3/4" DOWN UP TO LEVEL ABOVE.
- 5) SPLIT 6" WATER SERVICE INTO 6" FIRE SERVICE AND 2" DOMESTIC WATER SERVICE UPON ENTRANCE INTO BUILDING. REFER TO CIVIL PLANS FOR PIPING OUTSIDE OF BUILDING. COORDINATE JOINT SERVICE WITH LOCAL UTILITY.
- 6) ROUTE DOWN TO FIXTURE TO LIMIT UNCIRCULATED PIPE LENGTH.

SCOPE OF FIRE SUPPRESSION

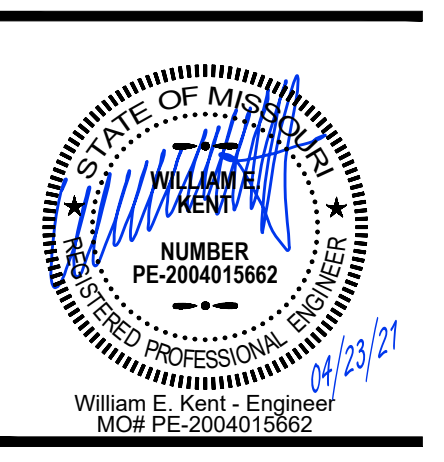
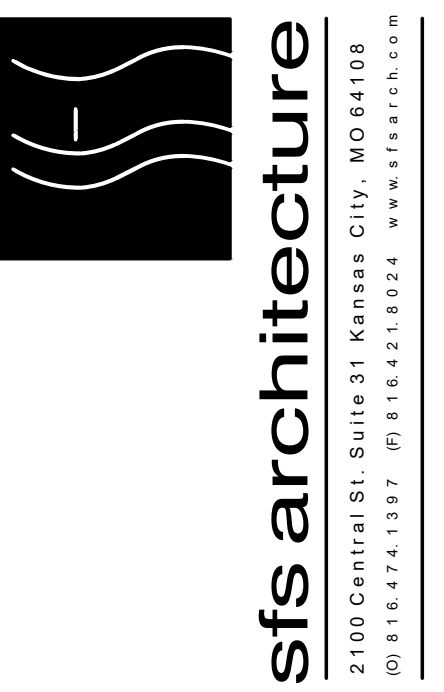
CONTRACTOR SHALL INSTALL NEW NFPA-13 FIRE SUPPRESSION SYSTEM FOR BUILDING. REFER TO SPECIFICATIONS FOR REQUIREMENTS, PRODUCT SPECIFICS AND INSTALLATION PROCEDURES. SPRINKLER SYSTEM SHALL BE MONITORED BY THE FIRE ALARM SYSTEM. CONTRACTOR SHALL PROVIDE NECESSARY TAMPER FLOW SWITCH, CONTROLS, AND MONITORING AS REQUIRED. SYSTEM SHALL BE QUICK RESPONSE TYPE FOR APPROPRIATE HAZARD CLASSIFICATION. COORDINATE WITH APPROVED ARCHITECTURAL PLANS FOR CONSTRUCTION TYPES, CLASSIFICATIONS AND HAZARDS.

CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND ARCHITECTURAL PLANS FOR ROUTING OF PIPING AND PLACEMENT OF SPRINKLER HEADS. PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION SHOWING COORDINATION OF SPRINKLER PIPING AND SPRINKLER HEADS WITH OTHER TRADES.

WHERE BUILDING REMAINS UNFINISHED THE SPRINKLER SYSTEM SHALL BE DESIGNED FOR CAPACITY TO EXTEND THE SYSTEM WITHOUT RETURNING TO THE RISER LOCATION FOR FUTURE COVERAGE OF ADDITIONAL SPACES IN BUILDING.

FIRE SPRINKLER DESIGN CRITERIA

- ENGINEERING DOCUMENTS SHALL BE BASED UPON THE FOLLOWING CODES AND STANDARDS (AND LIST THEM ON THE LAYOUT DOCUMENTS):
1. NFPA 13 - CURRENT EDITION
- FIRE PROTECTION DOCUMENTS SHALL ALSO LIST AND/OR SHOW THE FOLLOWING (UTILIZE CODE APPROVED CODE PLANS AND COORDINATE ALL AREAS OF THE BUILDING AND VARIOUS REQUIREMENTS AS MAY BE NECESSARY. GENERALLY, THE BUILDING SPACES SHALL BE AS FOLLOWS, BUT MAY DIFFER IN SPECIFIC AREAS OF MULTIPLE OCCUPANCIES.):
1. OCCUPANCY TYPE - AS LISTED ON ARCHITECTURAL CODE PLANS
 2. CONSTRUCTION TYPE - AS LISTED ON ARCHITECTURAL CODE PLANS
 3. DESIGN APPROACH (STATE THE FOLLOWING: RESPONSE TYPE, DENSITY, HEAD SPACING.)
 4. INTERIOR OCCUPIED SPACES SYSTEM
 - 4.1. SYSTEM TYPE - WET
 - 4.2. HAZARD CLASSIFICATION - LIGHT
 - 4.2.1. SYSTEM RESPONSE TYPE - QUICK
 - 4.2.2. DENSITIES - 0.10 GPM/SF FOR 1,500 SF
 - 4.2.3. MAXIMUM HEAD SPACING - 225 SF
 - 4.2. HAZARD CLASSIFICATION - ORDINARY GROUP 1
 - 4.2.1. SYSTEM RESPONSE TYPE - QUICK
 - 4.2.2. DENSITIES - 0.15 GPM/SF FOR 1,500 SF
 - 4.2.3. MAXIMUM HEAD SPACING - 130 SF
 5. CHARACTERISTICS OF WATER SUPPLY TO BE USED, INCLUDING MAIN SIZE AND LOCATION, STATIC AND RESIDUAL PRESSURES AND FLOW RATES.
 6. THE POINT OF SERVICE FOR THE FIRE PROTECTION WATER SUPPLY
 7. SYSTEM VALVING AND ALARM REQUIREMENTS
 - 7.1. SYSTEM SHALL BE MONITORED BY THE FIRE ALARM SYSTEM OR A SEPARATE MONITORING SYSTEM PANEL, DIALER AND ANNUNCIATION ACCESSORIES AS REQUIRED BY LOCAL ADOPTED CODES.
 - 7.2. ALL CONTROL VALVES SHALL BE EQUIPPED WITH TAMPER AND FLOW SWITCHES WIRED TO THE MONITORING SOURCE PANEL.
- ACCEPTANCE TESTING OF FIRE PROTECTION SYSTEM SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:
1. NFPA 25 - CURRENT EDITION
- PROVIDE FIRE SPRINKLER HEAD PROTECTION FOR ALL GYMNASIUM SPRINKLER HEADS.



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DOMESTIC WATER - LEVEL 0 (LOWER LEVEL)



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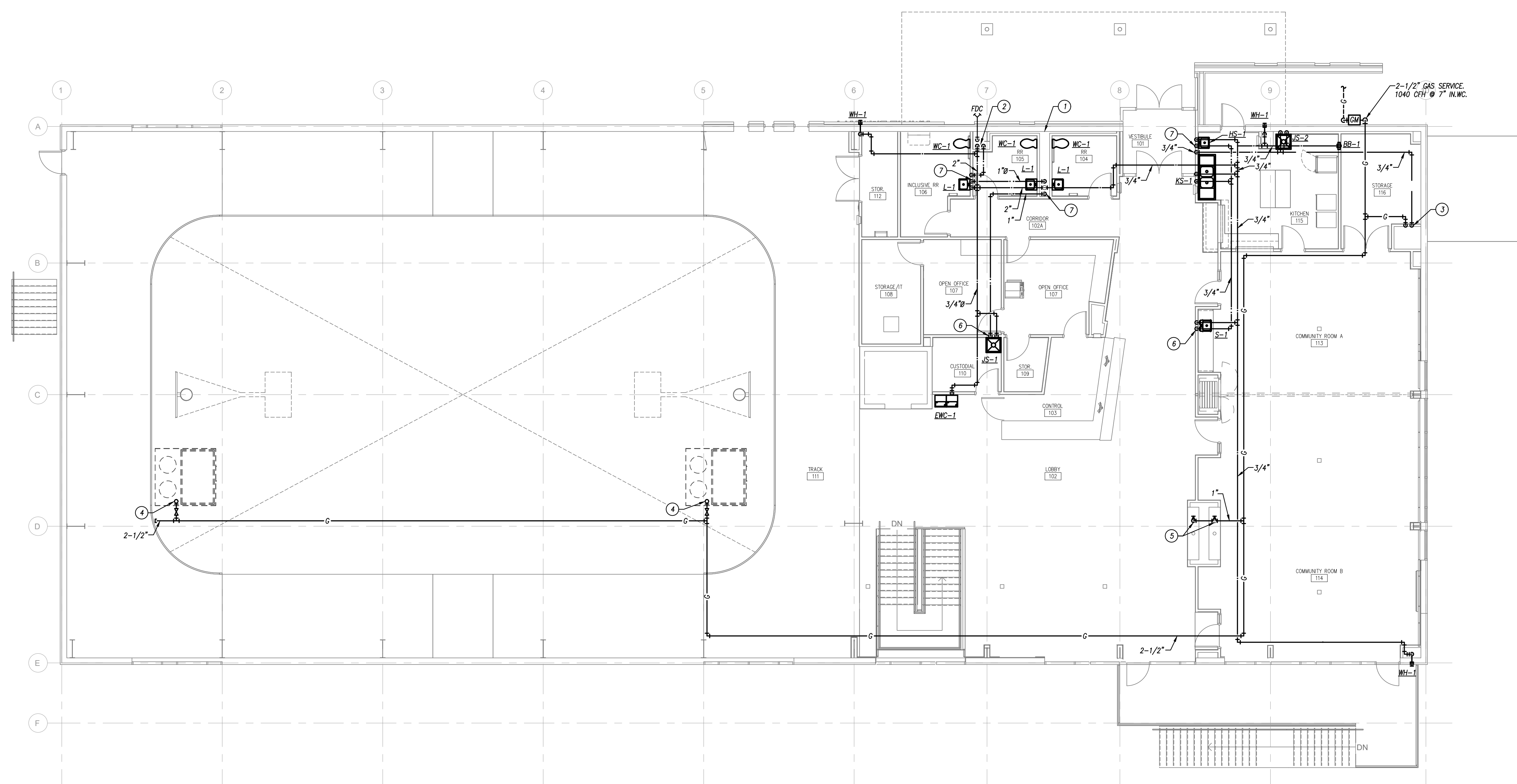
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GENERAL PLUMBING NOTES

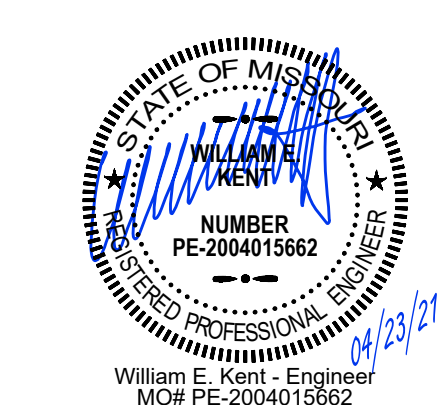
1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. REFER TO PLUMBING FIXTURE / DRAIN SCHEDULES FOR PIPING SIZES FOR INDIVIDUAL CONNECTIONS TO FIXTURES AND RISERS NOT SHOWN ON PLANS.
3. NO SANITARY OR VENT PIPING BELOW GRADE SHALL BE LESS THAN 2".
4. NO DOMESTIC WATER PIPING SHALL BE SMALLER THAN 3/4" UNLESS NOTED OTHERWISE.
5. ALL VENT PIPING SHOWN IS DIAGNAMTIC. USE APPROPRIATE FITTINGS FOR VENT PIPING BELOW FLOOD RM OF FIXTURE.
6. NOT ALL INTERIOR CLEANOUTS ARE SHOWN FOR DRAWING CLARITY. CONTRACTOR SHALL INSTALL ALL CODE-REQUIRED CLEANOUTS (RE: GENERAL NOTES ON COVER SHEET). COORDINATE EXACT LOCATIONS OF CLEANOUTS WITH ARCHITECT.
7. PROVIDE 1/2" TRAP PRIMER PIPING FOR ALL FLOOR DRAINS TO NEAREST TRAP PRIMER VALVE. PIPING SHALL BE TYPE "M" SOFT COPPER SEAMLESS WITH NO JOINTS FROM VALVE TO DRAIN.

PLUMBING PLAN KEYED NOTES

- ① REFER TO RISER DIAGRAM FOR DETAILED SIZING.
- ② 2" DOW AND 1" DHW DN.
- ③ 3/4" DHW AND 1" NG DN.
- ④ ROUTE 2" NG UP TO RTU IN CURB.
- ⑤ ROUTE 3/4" NG DN TO FIREPLACE.
- ⑥ 3/4" DHW DN TO LEVEL BELOW.
- ⑦ ROUTE DHW DOWN TO FIXTURE TO LIMIT UNCIRCULATED PIPE LENGTH.



MAIN LEVEL - DOMESTIC WATER
1/8" = 1'-0"



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DOMESTIC WATER - LEVEL 1 (MAIN)



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2

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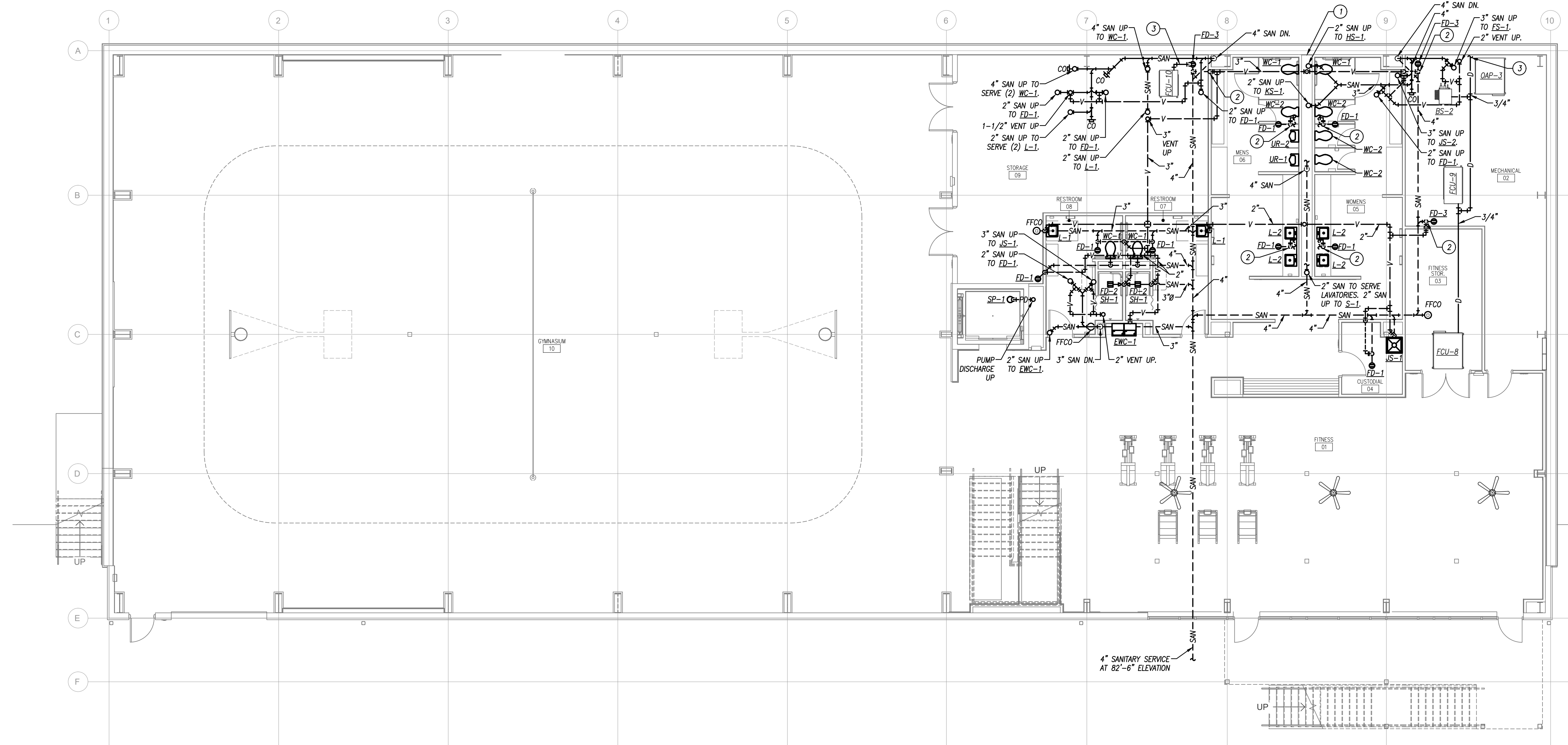
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GENERAL PLUMBING NOTES

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. REFER TO PLUMBING FIXTURE / DRAW SCHEDULES FOR PIPING SIZES FOR INDIVIDUAL CONNECTIONS TO FIXTURES AND RISERS NOT SHOWN ON PLANS.
3. NO SANITARY OR VENT PIPING BELOW GRADE SHALL BE LESS THAN 2".
4. NO DOMESTIC WATER PIPING SHALL BE SMALLER THAN 3/4" UNLESS NOTED OTHERWISE.
5. ALL VENT PIPING SHOWN IS DIAGNOMATIC. USE APPROPRIATE FITTINGS FOR VENT PIPING BELOW FLOOD RIM OF FIXTURE.
6. NOT ALL INTERIOR CLEANOUTS ARE SHOWN FOR DRAWING CLARITY. CONTRACTOR SHALL INSTALL ALL CODE-REQUIRED CLEANOUTS (RE: GENERAL NOTES ON COVER SHEET). COORDINATE EXACT LOCATIONS OF CLEANOUTS WITH ARCHITECT.
7. PROVIDE TRAP SEAL FOR ALL FLOOR DRAINS.

PLUMBING PLAN KEYED NOTES

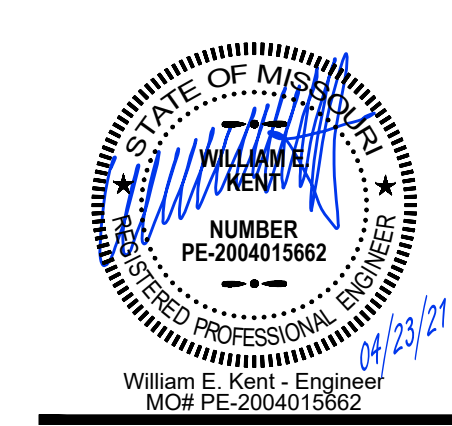
- 1 REFER TO RISER DIAGRAM FOR DETAILED SIZING.
- 2 ROUTE 1-1/2" VENT UNDER SLAB TO VENT FLOOR DRAIN.
- 3 ROUTE 3/4" CONDENSATE DRAIN PIPING TO TERMINATE OVER FLOOR DRAIN.



LOWER LEVEL - WASTE & VENT
 1/8" = 1'-0"

pkmr
 ENGINEERS
 PEARSON KENT MCKINLEY RAY ENGINEERS, LLC
 1300 W 96TH STREET
 LENEXA, KS 66215
 913.682.2400 WWW.PKMRNG.COM
 MO State Certificate of Authority RE-2002020308

sfs architecture
 2100 CENTRAL ST. SUITE 317 KANSAS CITY, MO 64108
 816.474.1231 816.474.1232 444.222.2222



Camdenton Community Center
 City of Camdenton, Missouri
 1205 N. Business Route 5
 Camdenton, MO 65020

1	04/23/21	BID RELEASE

SFS PROJECT NO: 181012
 ISSUED FOR: 100% CDS
 ISSUE DATE: 04.06.21
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WASTE & VENT - LEVEL 0 (LOWER LEVEL)

P210

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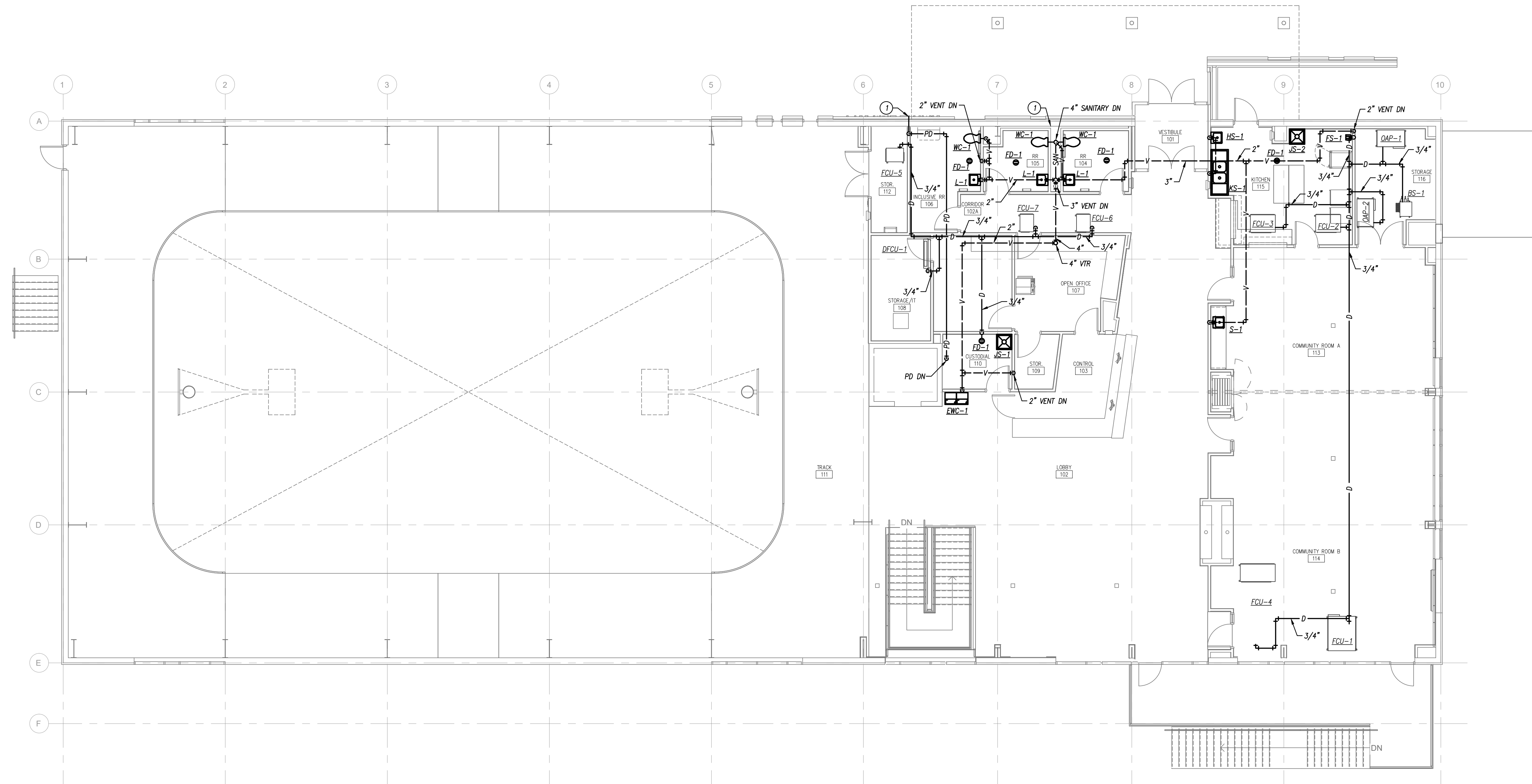
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GENERAL PLUMBING NOTES

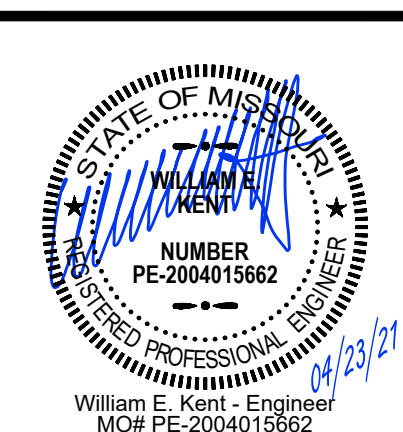
1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. REFER TO PLUMBING FIXTURE / DRAIN SCHEDULES FOR PIPING SIZES FOR INDIVIDUAL CONNECTIONS TO FIXTURES AND RISERS NOT SHOWN ON PLANS.
3. NO SANITARY OR VENT PIPING BELOW GRADE SHALL BE LESS THAN 2".
4. NO DOMESTIC WATER PIPING SHALL BE SMALLER THAN 3/4" UNLESS NOTED OTHERWISE.
5. ALL VENT PIPING SHOWN IS DIAGRAMMATIC. USE APPROPRIATE FITTINGS FOR VENT PIPING BELOW FLOOD RIM OF FIXTURE.
6. NOT ALL INTERIOR CLEANOUTS ARE SHOWN FOR DRAWING CLARITY. CONTRACTOR SHALL INSTALL ALL CODE-REQUIRED CLEANOUTS (SEE GENERAL NOTES ON COVER SHEET). COORDINATE EXACT LOCATIONS OF CLEANOUTS WITH ARCHITECT.
7. PROVIDE TRAP SEAL FOR ALL FLOOR DRAINS.

PLUMBING PLAN KEYED NOTES

- 1 REFER TO RISER DIAGRAM FOR DETAILED SIZING.
- 2 TERMINATE 3/4" CONDENSATE PIPING AT FLOOR DRAIN.
- 3 ROUTE ELEVATOR SUMP PUMP DISCHARGE PIPING TO EXIT BUILDING AT A LOW ELEVATION TO TERMINATE ON SPLASH BLOCK.



MAIN LEVEL - WASTE AND VENT
1/8" = 1'-0"



1	04/23/21	BID RELEASE

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WASTE & VENT - LEVEL 1 (MAIN)



P211

PIPING MATERIAL & INSULATION SCHEDULE

PIPING SYSTEM	SIZE	TYPE/SCHED	MATERIAL	ACCEPTABLE FITTINGS	FIELD TEST PRESSURE/TIME	ALLOWABLE IN PLENUMS	INSULATION	
							TYPE	THICKNESS
DOMESTIC COLD WATER	1/2"-2-1/2"	L	COPPER	SOLDER, PRO-PRESS	130 PSI - 1/2HR	YES	FIBERGLASS W/ ASJ	1/2"
DOMESTIC HOT WATER & HW RETURN	1/2"-1-1/4"	L	COPPER	SOLDER, PRO-PRESS	130 PSI - 1/2HR	YES	FIBERGLASS W/ ASJ	1"
DOMESTIC HOT WATER & HW RETURN	1-1/2"-2-1/2"	L	COPPER	SOLDER, PRO-PRESS	130 PSI - 1/2HR	YES	FIBERGLASS W/ ASJ	1-1/2"
DOMESTIC COLD WATER	3"-6"	L	COPPER	BRAZED, PRO-PRESS	130 PSI - 1/2HR	YES	FIBERGLASS W/ ASJ	1/2"
NATURAL GAS - ABOVE GRADE	2-1/2" & Up	SCH. 40	STEEL - SEAMLESS	WELDED	75 PSI - 1HR	YES	----	----
NATURAL GAS - ABOVE GRADE	1/2"-2"	SCH. 40	STEEL - SEAMLESS	THREADED IRON OR WELDED#4	75 PSI - 1HR	YES	----	----
NATURAL GAS BELOW GRADE	ALL	SCH. 11	POLYETHYLENE	FUSION JOINTS	100 PSI - 1HR	NO	----	----
SOIL & WASTE ABOVE GRADE	1-1/2"-6"	NO HUB / SERVICE WT.	CAST IRON	NO HUB	10 FT - 1/2HR	YES	----	----
SOIL & WASTE BELOW GRADE	2"-8"	SCH. 40	PVC	SOLOVENT JOINED	10 FT - 1/2HR	NO	----	----
DRINKING FOUNT. DRAIN	ALL	----	----	----	----	YES	ELASTOMERIC	1/2"
RPZ AND SIMILAR EXPOSED DRAIN LINES	ALL	L	COPPER	SOLDER, PRO-PRESS	10 FT - 1/2HR	YES	----	----
CONDENSATE DRAIN ON ROOF	3/4"-2"	SCH. 40	PVC	SOLOVENT JOINED	10 FT - 1/2HR	NO	----	----
CONDENSATE DRAIN INTERIOR	1/2"-2"	L	COPPER	SOLDER, PRO-PRESS	10 FT - 1/2HR	YES	FIBERGLASS W/ ASJ	1/2" (PLENUM ONLY)
FIRE SERVICE BELOW GRADE	4"-8"	AWMA C151	DUCTILE IRON	AWMA C111, MECH. JOINTS	130 PSI - 1/2HR	YES	----	----
DOM. WATER SERVICE BELOW GRADE	1"-3"	K	COPPER	CONTINUOUS TUBING, BRAZED	130 PSI - 1/2HR	YES	----	----

NOTES

1. ALL PIPING AND MATERIALS IN PLENUMS MUST MEET ASTM E84 FLAME/SMOKE RATING OF 25/0.
2. ALL INSULATION THICKNESSES SHALL MEET ADOPTED IECC AND ASHRAE 90.1 - 2016 REQUIREMENTS AT A MINIMUM.
3. REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION.
4. WELDED PIPING IS REQUIRED FOR GAS PIPING WHEN: A) PIPING IS AT OR OVER 2PSI; B) WHEN PIPING OF ANY PRESSURE IS ROUTED THROUGH CONCEALED SPACES.

WATER HAMMER ARRESTERS

PROVIDE WATER HAMMER ARRESTERS FOR ALL PLUMBING BANKS WITH FIXTURES UTILIZING FLUSH VALVES IN ANY CAPACITY. LOCATE ARRESTER BETWEEN THE LAST TWO FIXTURES SERVED ON THE BRANCHLINE.

FIXTURE UNITS (FU)	UNIT SIZE
1-31	A
12-32	B
33-30	C
61-13	D
114-154	E
155-330	F

ASSE 1010 OR PSD-101 PISTON TYPE WITH PRESSURIZED METAL-TUBE CUSHIONING CHAMBER. SIZES INDICATED ARE BASED ON ASSE 1010 SIZES AA AND A THROUGH F OR PSD-101 SIZES A THROUGH F. MANUFACTURERS: AMFOLD, JOURNAL, SLOUX CHEF, WATTS, ZURN.

WATER CLOSET-10" URINALS-SFU, LAVATORIES-1.5FU.

WHEN NO FLUSH VALVES ARE INSTALLED ON A BRANCH OF PIPING PROVIDE 3/4"x1/2" AIR CHAMBERS AT EACH HOT AND COLD WATER SUPPLY CONNECTION TO A PLUMBING FIXTURE. CONTRACTOR MAY PROVIDE WATER HAMMER ARRESTERS ABOVE THE CEILING BEFORE DRIPPING INTO MASONRY CONSTRUCTION IN LEVEL OF AIR CHAMBERS. CONNECTIONS TO OTHER ITEMS SUCH AS WASHERS, ICE MAKERS, OR OTHER EQUIPMENT SHALL BE PROVIDED WITH AN APPROPRIATELY SIZED WATER HAMMER ARRESTER FOR EACH WATER CONNECTION.

PLUMBING FIXTURE SCHEDULE

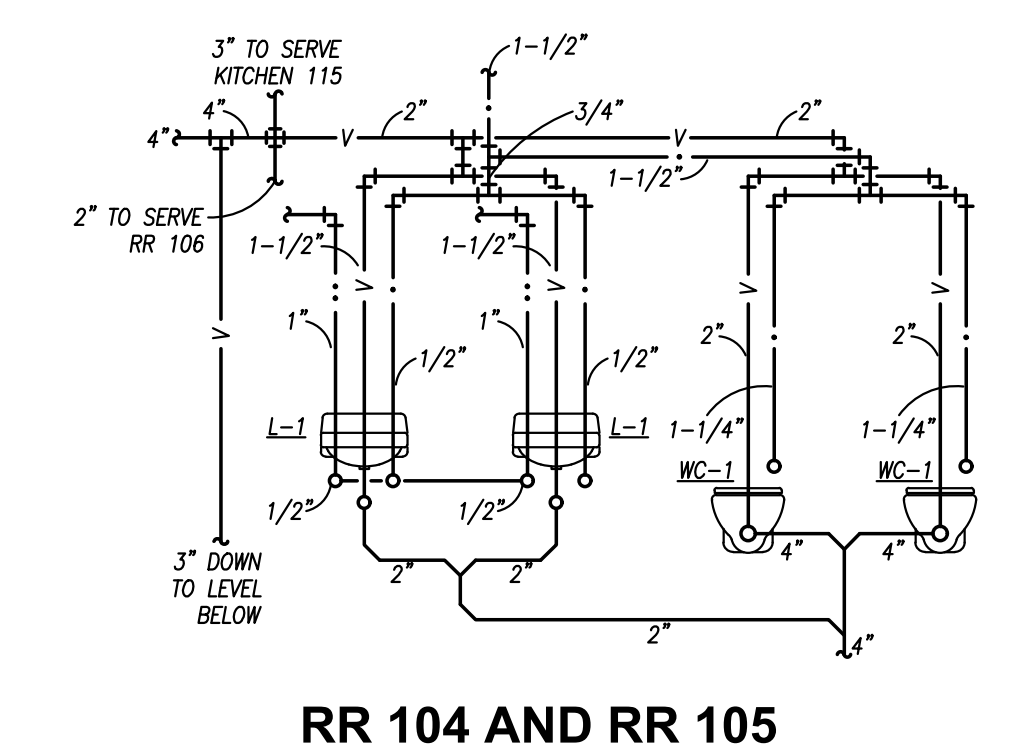
MARK	FIXTURE MODEL	FIXTURE DESCRIPTION	FITTINGS MODEL		REMARKS	PLUMBING FIXTURE PIPE SIZES			
			WASTE	VENT		DCW	DHW		
WC-1	AMERICAN STANDARD 3351.101	ADA-COMPLIANT, 1.6 GALLON, WALL-MOUNTED FLUSH VALVE WATER CLOSET. SIPHON JET FLUSHING ACTION. TOP SPUD AND FLAT BOLT COVERS. WHITE VITREOUS CHINA ELONGATED BOWL. MOUNT TOP OF RIM AT 17" A.F.F.	SLOW G2 8111	EXPOSED WATER CLOSET FLUSH VALVE. BATTERY POWERED CHROME-PLATED. HANDS FREE OPERATION. 1" IPS. SCREENED OVER BACK-CHECK ANGLE STOP WITH PROTECTIVE CAP. ADJUSTABLE TAILPIECE. 1.6 GPM, VACUUM BREAKER FLUSH CONNECTION AND SPUD COUPLING FOR 1-1/2" TOP SPUD. PROVIDE WALL AND SPUD FLANGES. MOUNTING HEIGHT PER MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH ADA GUIDELINES.	6	4"	2"	1-1/4"	----
WC-2	AMERICAN STANDARD 3351.101	1.6 GALLON, WALL-MOUNTED FLUSH VALVE WATER CLOSET. SIPHON JET FLUSHING ACTION. TOP SPUD AND FLAT BOLT COVERS. WHITE VITREOUS CHINA ELONGATED BOWL. MOUNT TOP OF RIM AT 15" A.F.F.	SLOW G2 8111	EXPOSED WATER CLOSET FLUSH VALVE. BATTERY POWERED CHROME-PLATED. HANDS FREE OPERATION. 1" IPS. SCREENED OVER BACK-CHECK ANGLE STOP WITH PROTECTIVE CAP. ADJUSTABLE TAILPIECE. 1.6 GPM, VACUUM BREAKER FLUSH CONNECTION AND SPUD COUPLING FOR 1-1/2" TOP SPUD. PROVIDE WALL AND SPUD FLANGES. MOUNTING HEIGHT PER MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH ADA GUIDELINES.	6	4"	2"	1-1/4"	----
UR-1	AMERICAN STANDARD 6590.001	ADA-COMPLIANT, WALL-HUNG URINAL. WHITE VITREOUS CHINA. 3/4" TOP SPUD. 1.0 GALLON SIPHON JET FLUSHING ACTION. MOUNT FIXTURE RIM AT 17" A.F.F.	SLOW G2 8186-1	EXPOSED URINAL FLUSH VALVE. BATTERY POWERED CHROME-PLATED. 3/4" I.P.S. SCREENED OVER BACK-CHECK ANGLE STOP WITH PROTECTIVE CAP. ADJUSTABLE TAILPIECE. 1.0 GALLON, VACUUM BREAKER FLUSH CONNECTION AND SPUD COUPLING FOR 3/4" TOP SPUD. PROVIDE WALL AND SPUD FLANGES. MAXIMUM HANDLE HEIGHT PER ADA STANDARDS.	6	2"	2"	1"	----
UR-2	AMERICAN STANDARD 6590.001	WALL-HUNG URINAL. WHITE VITREOUS CHINA. 3/4" TOP SPUD. 1.0 GALLON SIPHON JET FLUSHING ACTION. MOUNT FIXTURE RIM AT 24" A.F.F.	SLOW G2 8186-1	EXPOSED URINAL FLUSH VALVE. BATTERY POWERED CHROME-PLATED. 3/4" I.P.S. SCREENED OVER BACK-CHECK ANGLE STOP WITH PROTECTIVE CAP. ADJUSTABLE TAILPIECE. 1.0 GALLON, VACUUM BREAKER FLUSH CONNECTION AND SPUD COUPLING FOR 3/4" TOP SPUD. PROVIDE WALL AND SPUD FLANGES. MAXIMUM HANDLE HEIGHT PER ADA STANDARDS.	6	2"	2"	1"	----
L-1	AMERICAN STANDARD 9134004EC.020	ADA-COMPLIANT WALL-HUNG LAVATORY. 20"x21" WHITE VITREOUS CHINA BOWL FOR USE WITH CONCEALED ARM HANGER. CENTER FACET COORDINATED WITH FACET AND TRIM. PROVIDE CONCEALED ARM CARRIER. MOUNT TOP OF RIM AT 34" A.F.F.	SLOW EFX-250	DECK MOUNTED LAVATORY SINK FACET W/ HANDS-FREE INFRARED DETECTION, SINGLE HOLE, 0.5 GPM VANDAL PROOF NON-AERATING SPRAY, DUAL SUPPLY FOR HOT AND COLD WATER SERVICE, POWERED FROM 4 "AA" BATTERIES, STAINLESS STEEL BRAIDED HOSES, CONCEALED MECHANICAL MOVING VALVE, 20 SEC MAXIMUM RUN TIME, 10 SEC IN HIGH USE ENvironments.	1,2,3,4,5	2"	1-1/2"	1/2"	1/2"
L-2	AMERICAN STANDARD 614.000	LAVATORY. WHITE RECTANGULAR UNDERCOUNTER TOP VITREOUS CHINA LAVATORY BASIN WITH CENTER FACET HOLE. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.	SLOW EFX-250	DECK MOUNTED LAVATORY SINK FACET W/ HANDS-FREE INFRARED DETECTION, SINGLE HOLE, 0.5 GPM VANDAL PROOF NON-AERATING SPRAY, DUAL SUPPLY FOR HOT AND COLD WATER SERVICE, POWERED FROM 4 "AA" BATTERIES, STAINLESS STEEL BRAIDED HOSES, CONCEALED MECHANICAL MOVING VALVE, 20 SEC MAXIMUM RUN TIME, 10 SEC IN HIGH USE ENvironments.	1,2,5,7	2"	2"	1/2"	1/2"
SH-1	----	----	BROADLEY 1C-HD	ADA-COMPLIANT ASSEMBLY BUILT-IN SHOWER WITH CONCEALED SUPPLIES. PROVIDE WITH D1 DELUXE SHOWERHEAD AND EQUAL-FLD HD PRESSURE BALANCING VALVE.	----	2"	2"	1/2"	1/2"
JS-1	FIAT TSB-800	JANITORS SINK. 36"x36"x12" PRECAST TERRAZO FLOOR SERVICE SINK. STAINLESS STEEL CAP AND 2 SIDE WALL TILING FLANGE. 3" STAINLESS STEEL CAST DRAIN AND STAINLESS STEEL STRAINER PLATE. PROVIDE STAINLESS STEEL WALL GUARDS, MOP BRACKET, HOSE RACK.	CHICAGO FACET 897-CP	C.P. SERVICE SINK FITTING WITH VACUUM BREAKER, 3/4" HOSE THREAD ON SPOUT, ADJUSTABLE WALL BRACE, PAIL HOOK, AND 1/2" FLANGED FEMALE ADJUSTABLE ARM WITH INTEGRAL STOPS. CALLS BETWEEN WALL AND FLANGE WITH GE SILICONE SEALANT. 3" C.I. 3" TRAP.	----	3"	2"	1/2"	1/2"
JS-2	EAGLE GROUP F1916-VSCS	SINGLE WIDTH SINK STORAGE CABINET. 16"x20"x8" MOP SINK WITH RADIUS COVED CORNERS. STAINLESS STEEL CONSTRUCTION, STAINLESS STEEL STRAINER, MOP HOLDER, AND SQUELGE.	CHICAGO FACET 897-CP	C.P. SERVICE SINK FITTING WITH VACUUM BREAKER, 3/4" HOSE THREAD ON SPOUT, ADJUSTABLE WALL BRACE, PAIL HOOK, AND 1/2" FLANGED FEMALE ADJUSTABLE ARM WITH INTEGRAL STOPS. CALLS BETWEEN WALL AND FLANGE WITH GE SILICONE SEALANT. 3" C.I. 3" TRAP.	----	3"	2"	1/2"	1/2"
EW-1	HALSEY-TAYLOR HT18B-WAC20LWF	ADA-COMPLIANT, DUAL-HEIGHT, BARRIER-FREE, ELECTRIC WATER COOLER PROVIDES 8.0 GPM OF COLD WATER AT 67°F AMBIENT. ADA-COMPLIANT FRONT AND SIDE PUSHBARS. LEAD FREE. INTEGRAL FILTER. MOUNT WITH MIN. 27" KNEE CLEARANCE AND SPOUT AT NO MORE THAN 36" A.F.F.	HALSEY-TAYLOR HT18B-WAC20LWF	BOTTLE FILLER SHALL INCLUDE ELECTRONIC SENSOR FOR NO-TOUCH ACTIVATION WITH AUTOMATIC 20-SECOND SHUT-OFF. SHALL PROVIDE 1.1 GPM LAMINAR FLOW, ANTI-MICROBIAL PROTECTED PLASTIC COMPONENTS.	4	2"	2"	1/2"	1/2"
KS-1	EAGLE GROUP 412-16-2-18	TWO SINK WITH SIDE DRAIN BOARDS 16 GA. 430 SS SINK 2 COMPARTMENTS 16" X 20" X 13-1/2" DEEP. 3" RADIUS COVED CORNERS. FULL LENGTH BACKSPLASH W/ SLOPED TOP. SLOPING TOP CHANNEL RIMS. REINFORCED DRAINBOARDS W/ FITCH. UNDERSIDE FULLY UNDERCOATED FOR SOUND/CONDENSATION. ALL EXPOSED SURFACES POLISHED TO A SATIN FINISH. NSF CERT.	EAGLE GROUP CLFD	TWO HOLE DUAL HANDLE WALL MOUNT FAUCET, QUARTER TURN CERAMIC DISC CARTRIDGE, 1/2" ADJUSTABLE INLETS, SOLID BRASS CONSTRUCTION, CHROME FINISH. CROSSBRACED LEGS, LEVER DRAIN, GUSSETS, AND FEET.	2,3,5,8	2"	2"	1/2"	1/2"
IN-SINK-ERATOR	EVOLUTION EXCEL	GARBAGE DISPOSAL, 1 HP MOTOR, STAINLESS STEEL, 3 STAGE GRINDING, SOUND INSULATED, AUTO REVERSE. PERMANENTLY LUBRICATED BEARINGS. PROVIDE WITH STAINLESS STEEL SINK FLANGE AND STOPPER. PROVIDE WITH STAINLESS STEEL PUSHBUTTON START MOUNTED IN CABINETRY.	----	----	----	----	----	----	----
HS-1	EAGLE GROUP HSA-10	WALL-HUNG LAVATORY. STAINLESS STEEL CONSTRUCTION WITH BACK FOR USE WITH CONCEALED ARM HANGER. FAUCET HOLES COORDINATED WITH FAUCET AND TRIM. PROVIDE CONCEALED ARM CARRIER. MOUNT TOP OF RIM AT 34" A.F.F. NSF CERT.	EAGLE GROUP HAS-10-FAW	FAUCET. BACKSPLASH-MOUNTED FAUCET WITH WHISTLEBLADES.	1,2,3,4,5	2"	1-1/2"	1/2"	1/2"
S-1	ELKAY EL140-1414	ADA-COMPLIANT 16-1/2" X 16-1/2" SINGLE COMPARTMENT STAINLESS STEEL SINK. BOWL DIMENSIONS OF 14L X 14W X 5D UNDERMOUNT WITH 1-3/4" IN. RADIUS COVED CORNERS. SEAMLESS #18 GAUGE, TYPE 302 NICKEL-BEARING STAINLESS STEEL. 16-18" SATIN FINISH. FULLY UNDERCOATED. MINIMUM 21" CABINET SIZE REQUIRED. PROVIDE W/ OFFSET TAILPIECE	DELTA 9913-OST	DECK-MOUNTED, SINGLE HANDLE FAUCET WITH FULLDOWN, METAL LEVER HANDLES WITH CERAMIC CARTRIDGE. MATE BLACK FINISH. 1.8 GPM	2,3,5,8	2"	2"	1/2"	1/2"

REMARKS:

1. PROVIDE CHROME-PLATED BRASS TAILPIECE AND GRID DRAIN.
2. PROVIDE CHROME-PLATED BRASS P-TRAP.
3. PROVIDE LOOSE KEY STOPS AND FLEXIBLE RISERS.
4. PROVIDE CONCEALED ARM TYPE CARRIER WITH SQUARE, TUBULAR STEEL UP-RIGHTS AND BLOCK TYPE BASES.
5. INSULATE EXPOSED TAILPIECE, P-TRAP, AND WATER RISERS. REFER TO SPECIFICATIONS FOR INSULATION METHODS.
6. PROVIDE FLUSH VALVE HANDLE ON WISE SIDE OF STALL.
7. PROVIDE HANDLE STOPS AND FLEXIBLE RISERS.
8. PROVIDE CHROME-PLATED BRASS TAILPIECE AND BASKET STRAINER.

GENERAL NOTES (APPLICABLE TO ALL FIXTURES):

- 1) ALL PUBLIC LAVATORIES AND SINKS SHALL BE PROVIDED WITH ANTI-SQUALL ASSE 1070 LISTED VALVE ON HOT WATER SUPPLY.
- 2) VERIFY PLUMBING MATERIALS AND EQUIPMENT COORDINATE BETWEEN TRADES. VERIFY CABINET SIZES, COUNTERTOP MATERIALS, WALL THICKNESSES, ETC ARE APPROPRIATE FOR SPECIFIED EQUIPMENT PRIOR TO ORDER.



FLOOR / ROOF DRAIN SCHEDULE

PLAN MARK	MANUFACTURER	MODEL NUMBER	SERVICE	TOP/GRATE SIZE	WASTE SIZE	REMARKS
FD-1	JAY R. SMITH	200SL	FLOOR DRAIN	6"Ø	2"	1
FD-2	JAY R. SMITH	200SL	SHOWER DRAIN	6"x6"	2"	3
FD-3	JAY R. SMITH	200SL	FLOOR DRAIN	8"Ø	4"	1
FS-1	SLOUX CHEF	861-3P2	FLOOR SINK	12"x12"	3"	2

REMARKS:

1. PROVIDE WITH NICKEL BRONZE TOP.
2. PROVIDE WITH HALF GRATE.
3. PROVIDE WITH CHROME TOP.

GAS WATER HEATER SCHEDULE

PLAN MARK	MANUFACTURER	MODEL NUMBER	GALLONS	USE	STYLE	GAS INPUT (MBH)	RECOVERY @ 90°F RISE	FLUE SIZE (IN/UT)	VOLTAGE/ PHASE	REMARKS
GWH-1	STATE	SUF	60	COMMERCIAL	95X EFF	120	152	4" / 4"	120V / 1 PH	1,2

REMARKS:

1. POWER-VENT STYLE WATER HEATER.
2. PROVIDE WITH GLASS LINED TANK.

SUMP PUMP SCHEDULE

PLAN MARK	MANUFACTURER	MODEL NUMBER	GPM	HEAD (FT. WC)	HP	MAX. RPM	ELECTRICAL	DUTY	NOTES
SP-1	WEL	1432	50.0	20.0	1/2	1,750	120V / 1 PH	ELEVATOR SUMP (HYDRO)	1,2,3,4

REMARKS:

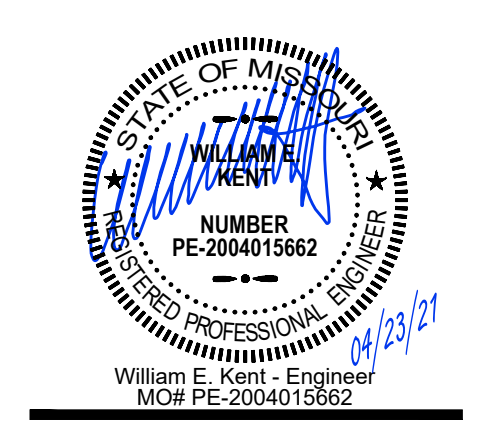
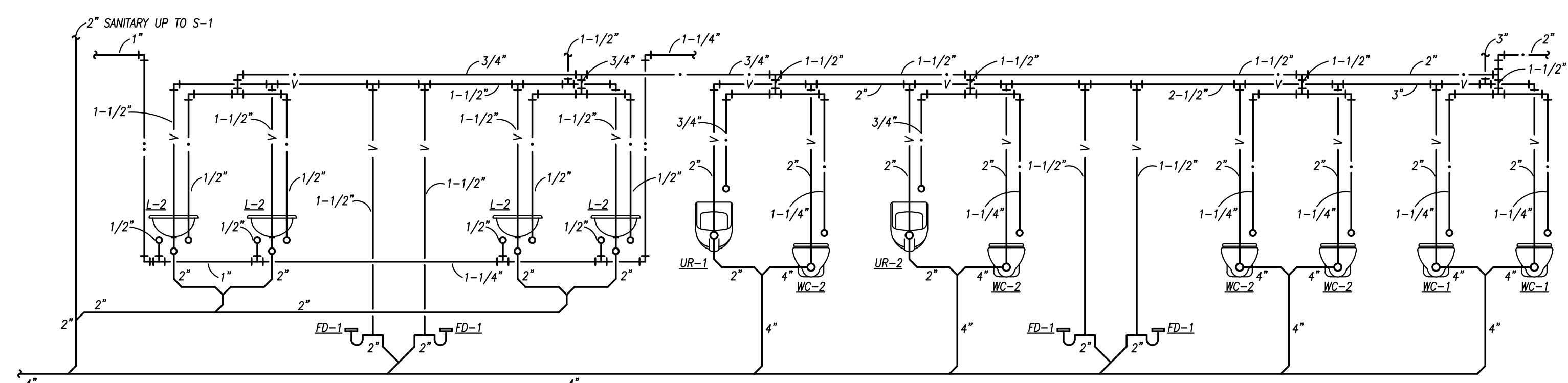
1. PUMP SHALL BE PROVIDED WITH ACCESSORY OIL SENSORS/CONTROLLER CAPABLE OF SENSING OIL, DISABLING OPERATION UPON SENSING AND GENERATING AN ALARM.
2. PROVIDE CONTROL/ALARM PANEL WITH TETHERED LEVEL SWITCH CONTROL AND REMOTE ALARM LIGHT.
3. PROVIDE SPLIT DESIGN FLOOR PLATE AND 24" DIA. X 30" DEEP FIBERGLASS BASIN.
4. COORDINATE ANY REQUIRED AREA DRAIN OR SUBSOIL CONNECTIONS TO BASIN. EXTEND DEPTH OF BASIN AS REQD.

DOMESTIC RECIRCULATION PUMP SCHEDULE

PLAN MARK	MANUFACTURER	MODEL NUMBER	GPM	HEAD (FT. WC)	HP	MAX. RPM	ELECTRICAL	NOTES
ROP-1	TACO	LO515	10.0	10.0	1/25	3,600	120V / 1 PH	1,2,3

REMARKS:

1. ALL BRONZE CONSTRUCTION.
2. PROVIDE WITH MOTOR RATED DISCONNECT, AQUASTAT AND TIMER FOR OPERATION OF PUMP.
3. MOUNT PUMP AND ACCESSORIES NEAR WATER HEATER AND NO HIGHER THAN 6' AFF.



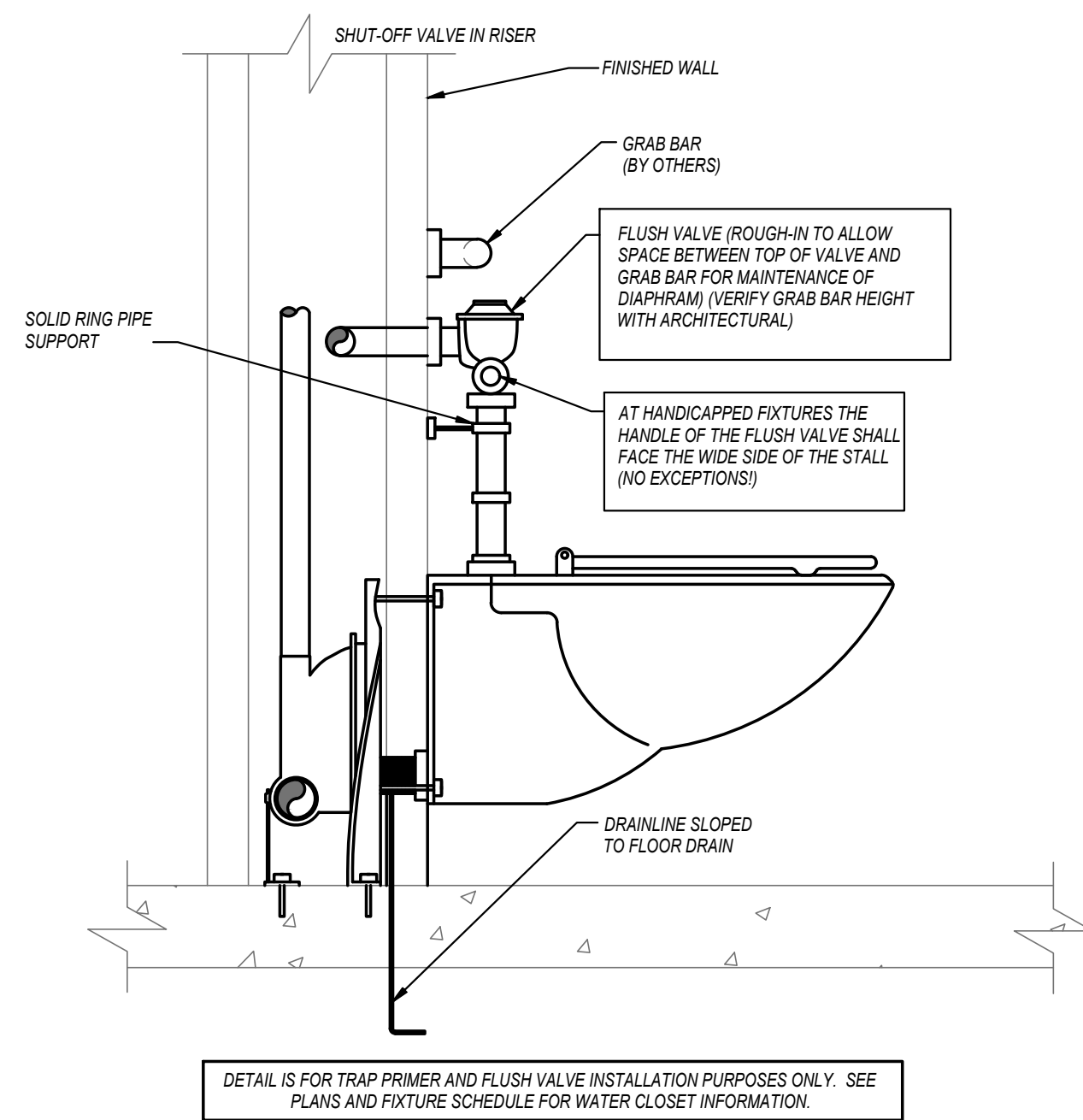
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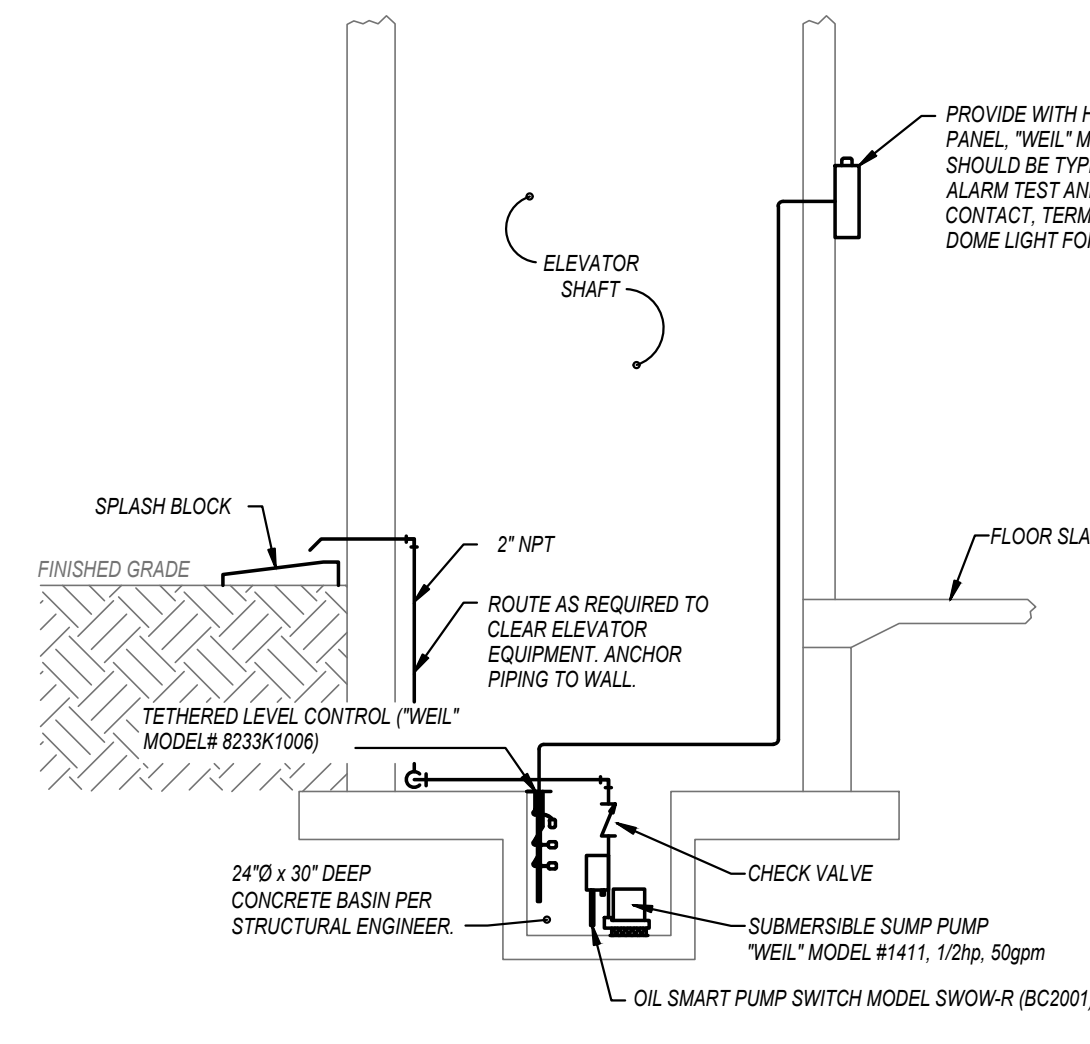
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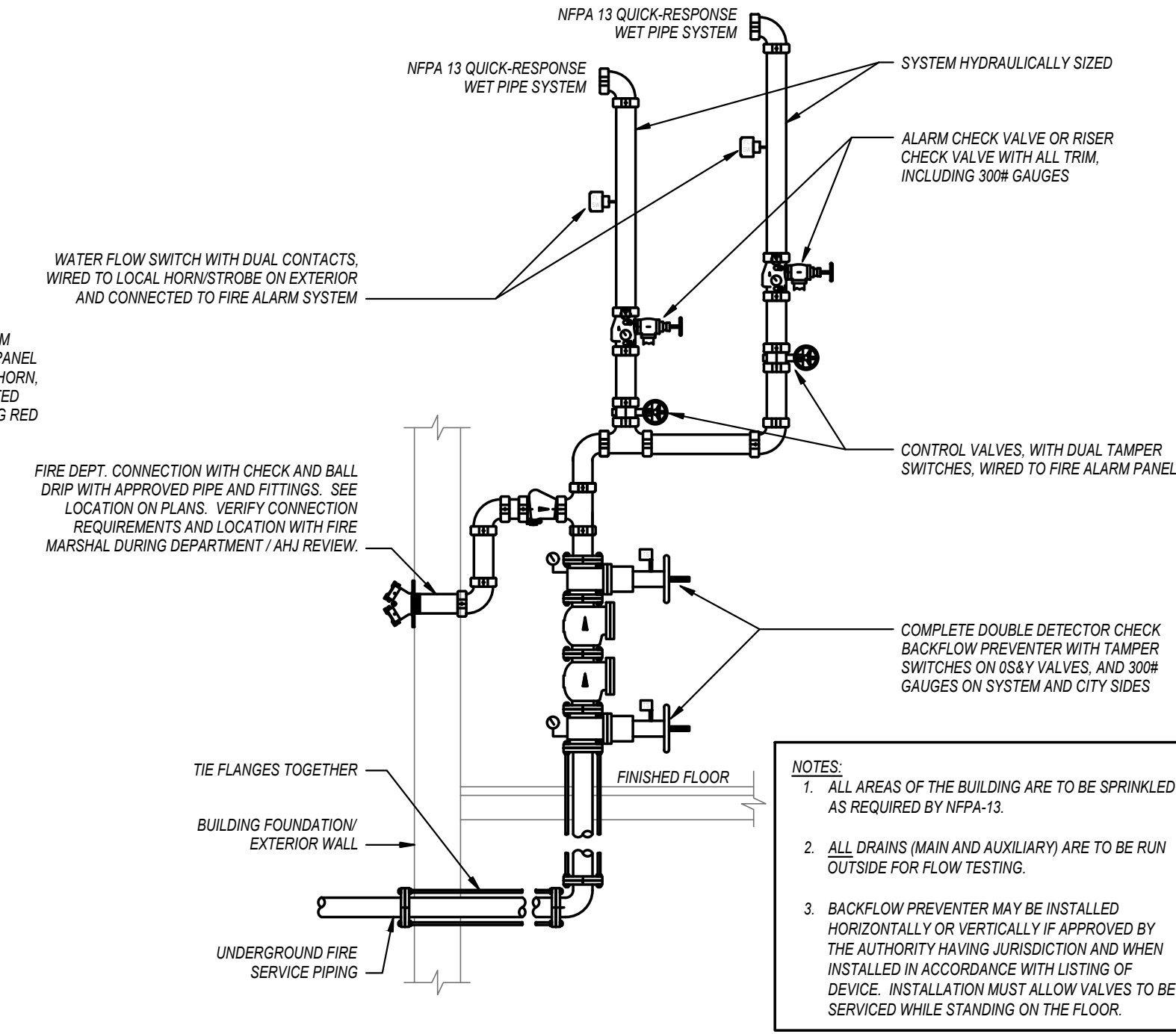
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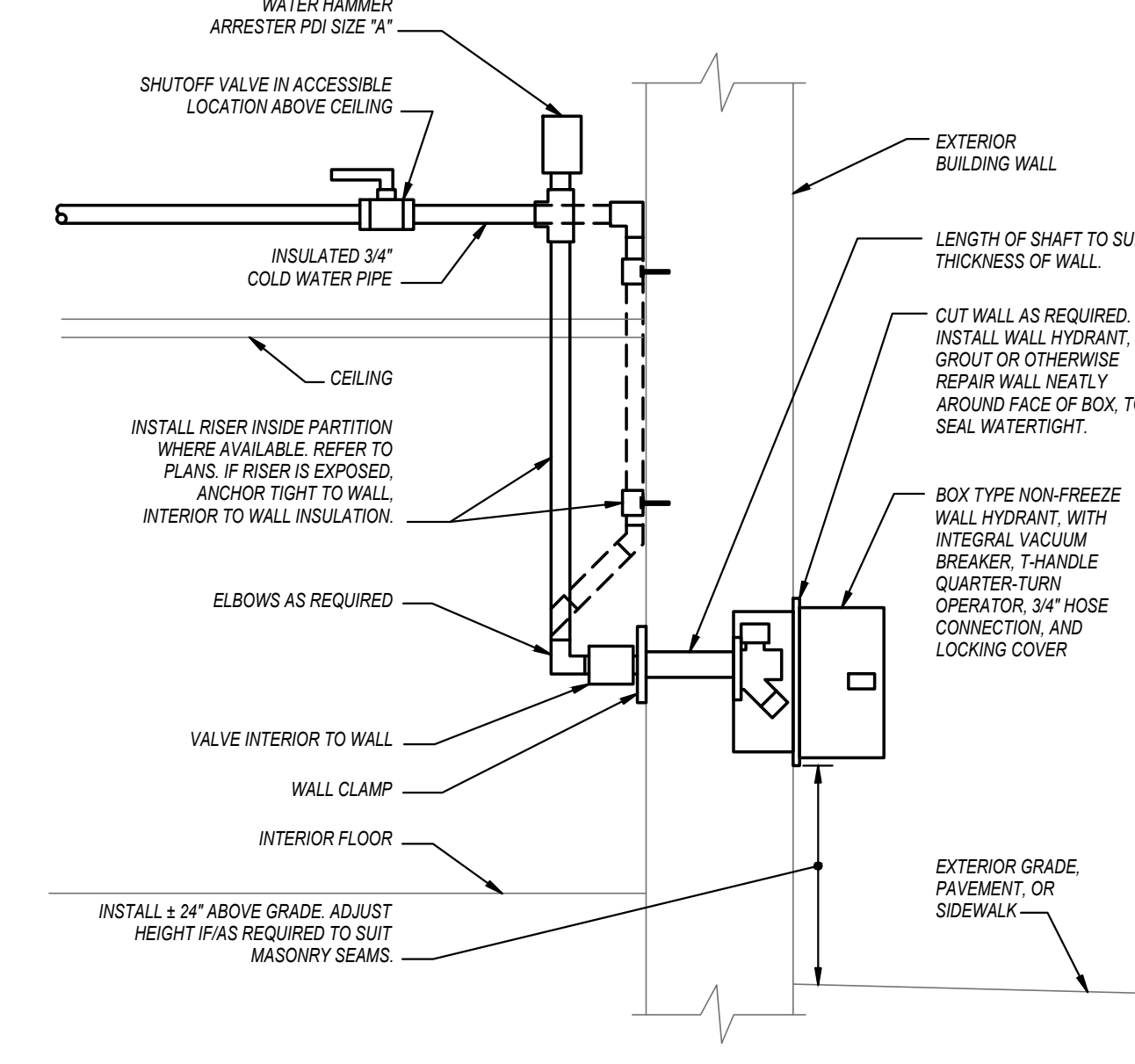
WATER CLOSET INSTALLATION DETAIL
NOT TO SCALE



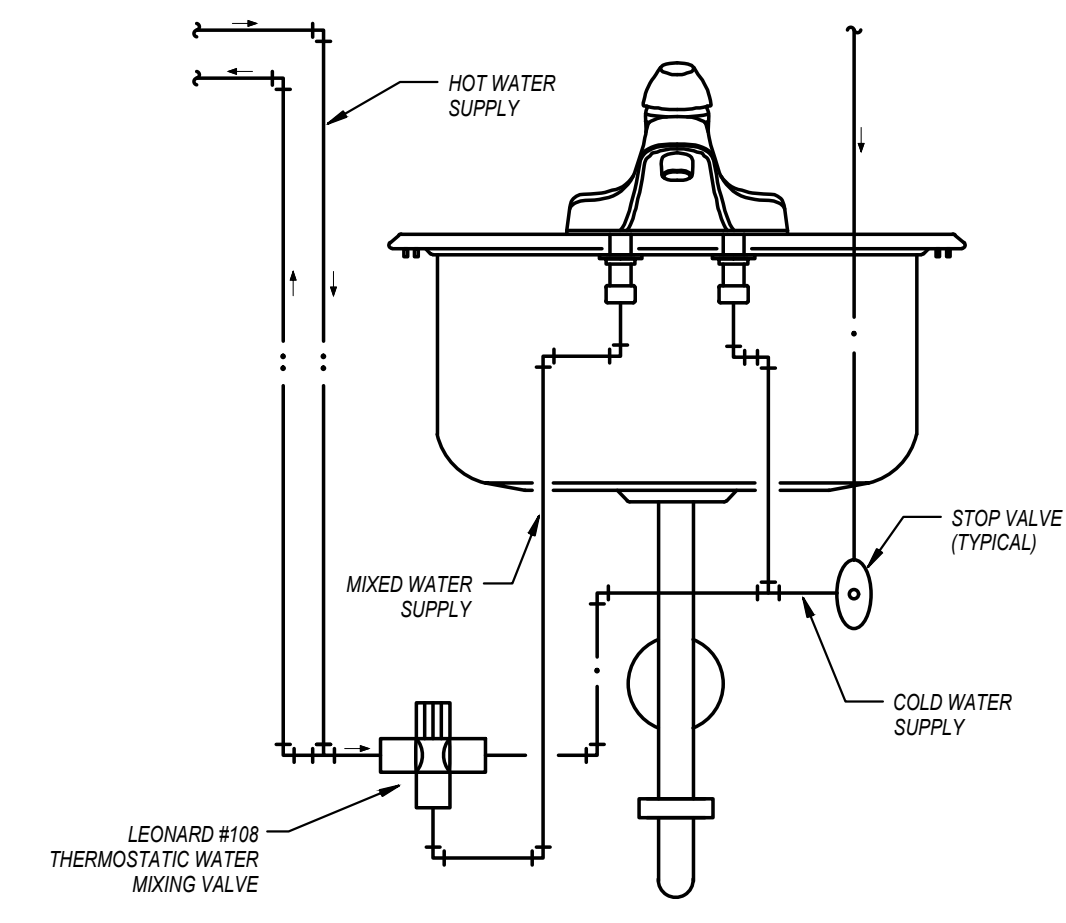
ELEVATOR SUMP PUMP DETAIL
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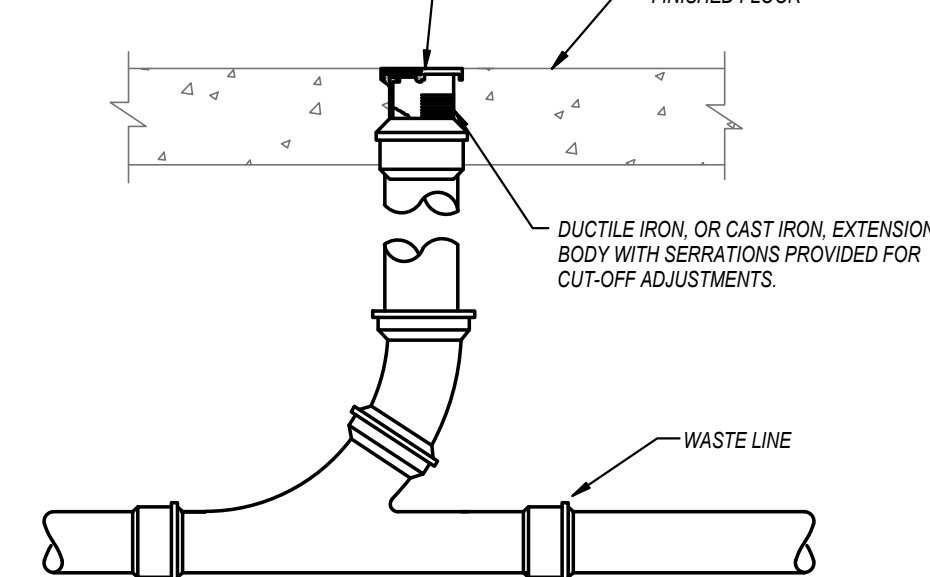
FIRE SPRINKLER RISER DETAIL
NOT TO SCALE



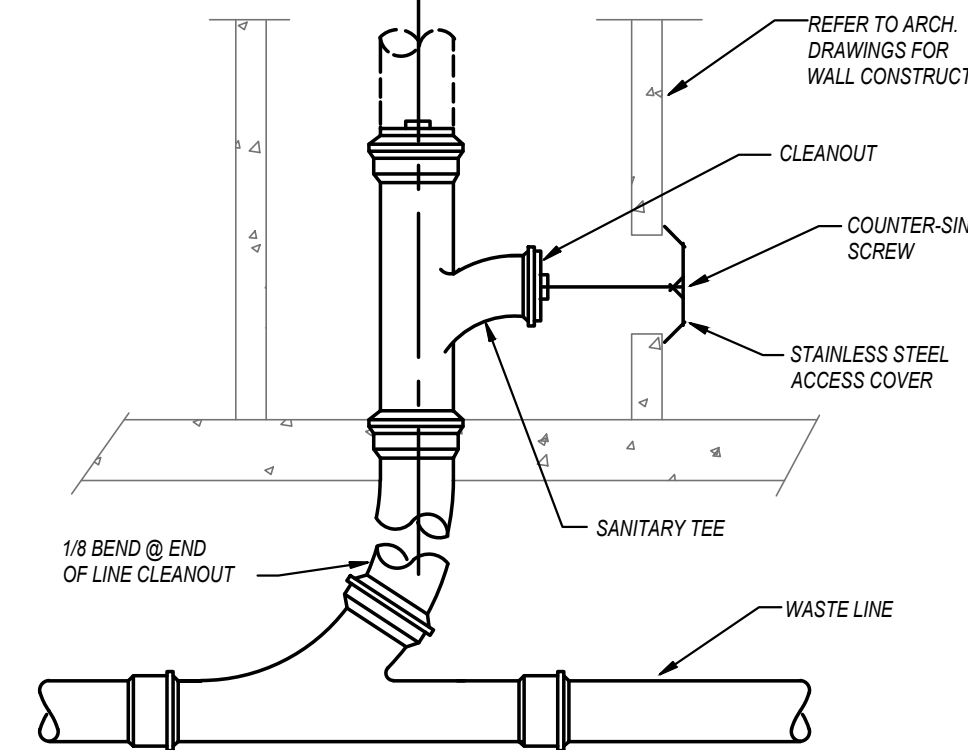
NON-FREEZE WALL HYDRANT DETAIL
NOT TO SCALE



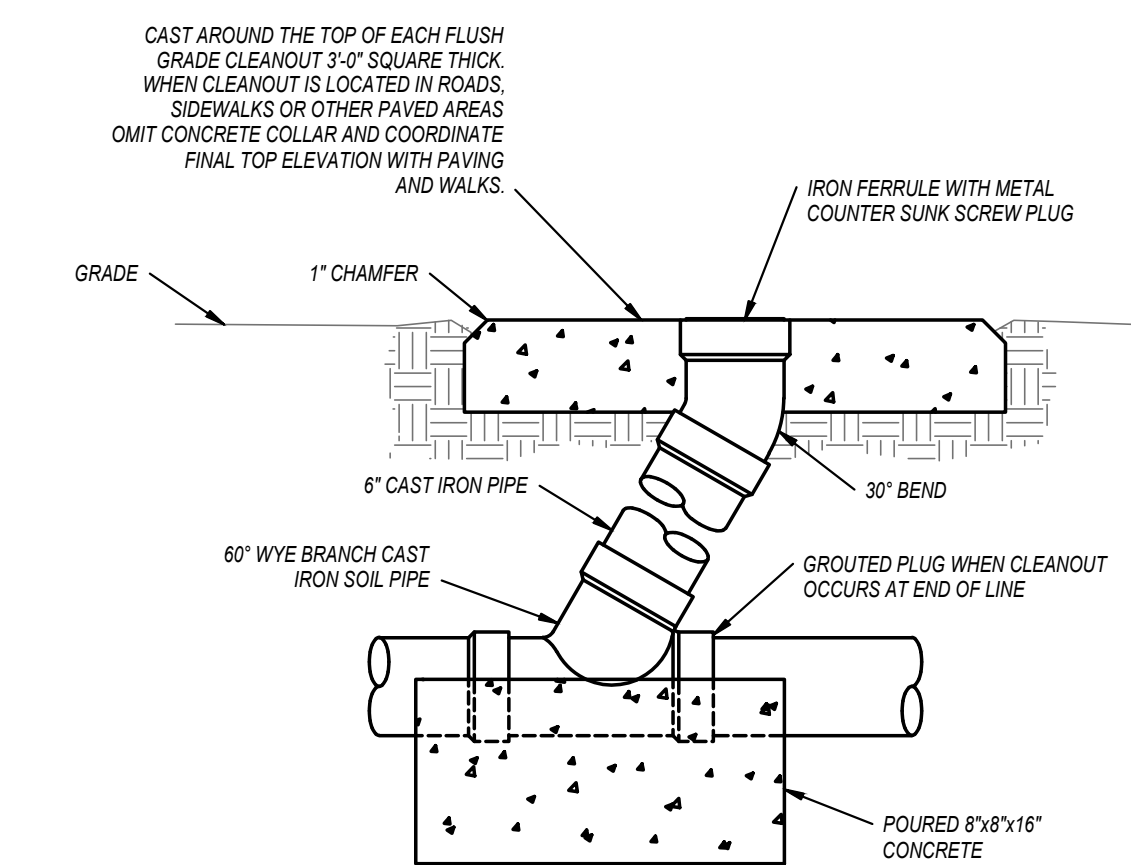
HAND WASHING SINK/LAVATORY TEMPERED WATER SCHEMATIC
NOT TO SCALE



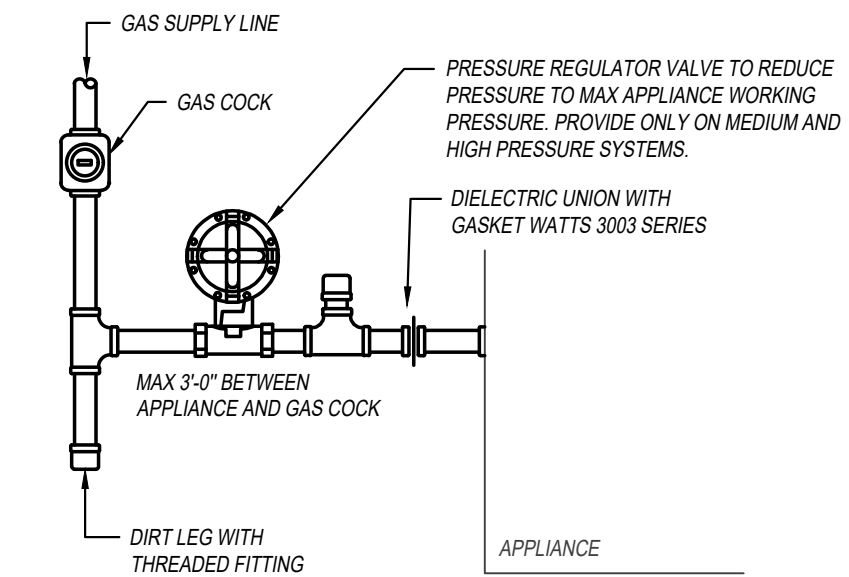
FLOOR CLEANOUT DETAIL
NOT TO SCALE



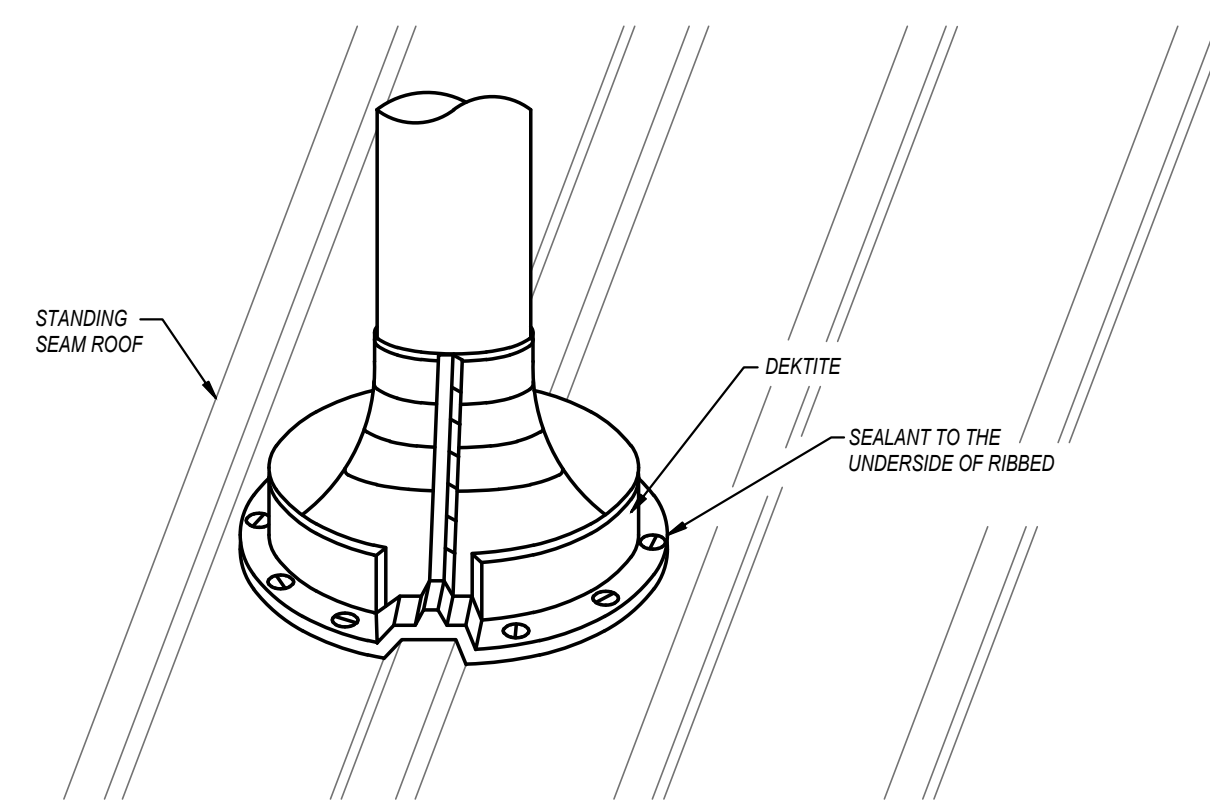
WALL CLEANOUT DETAIL
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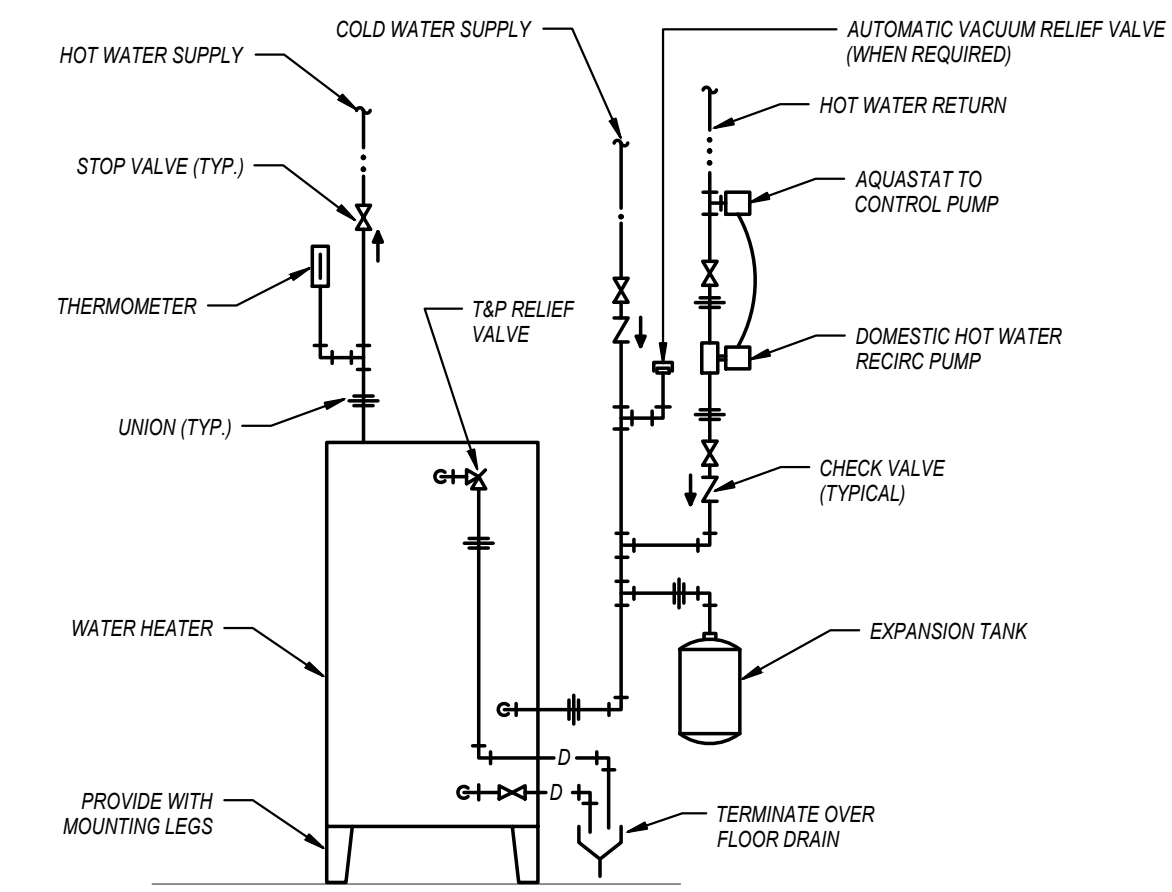
FLUSH GRADE CLEANOUT DETAIL
NOT TO SCALE



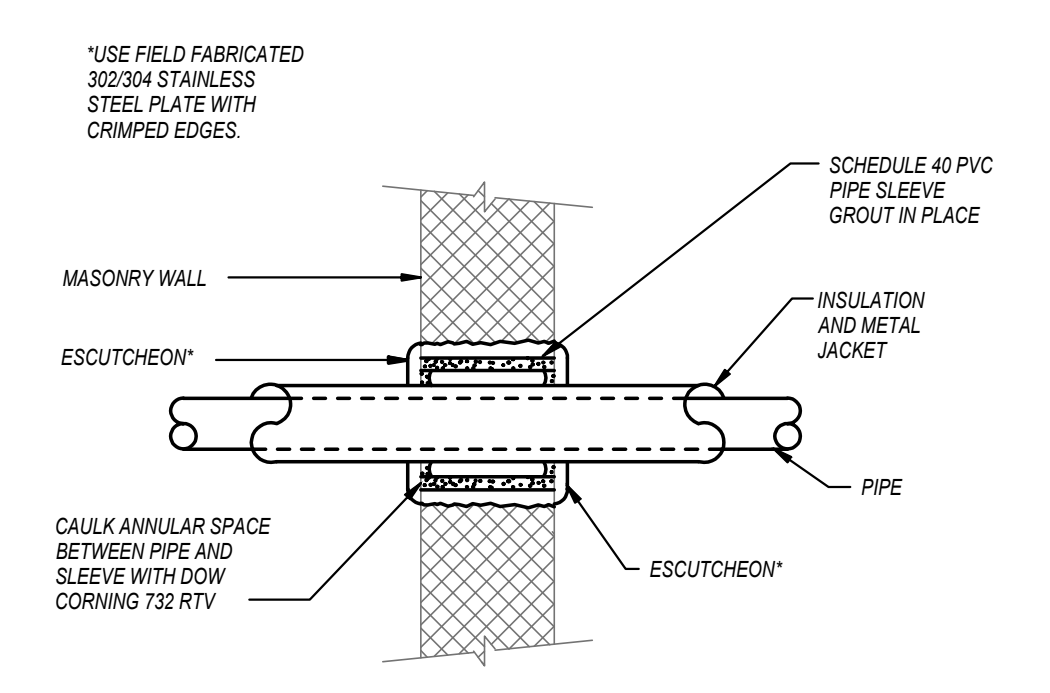
TYPICAL GAS CONNECTION
NOT TO SCALE



STANDING SEAM ROOF PLUMBING VENT
NOT TO SCALE



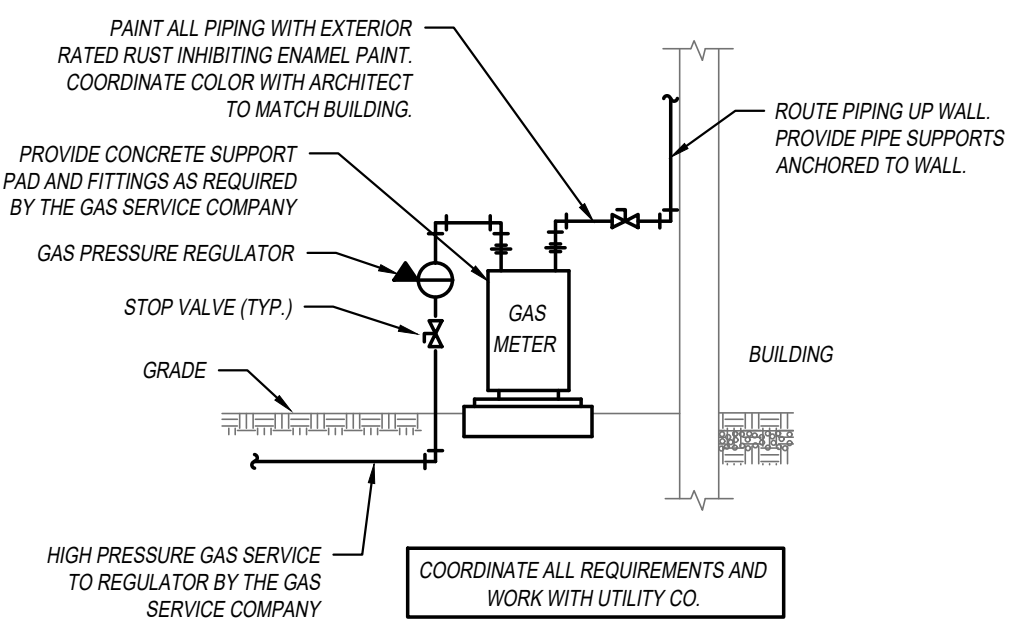
ELECTRIC WATER HEATER
NOT TO SCALE



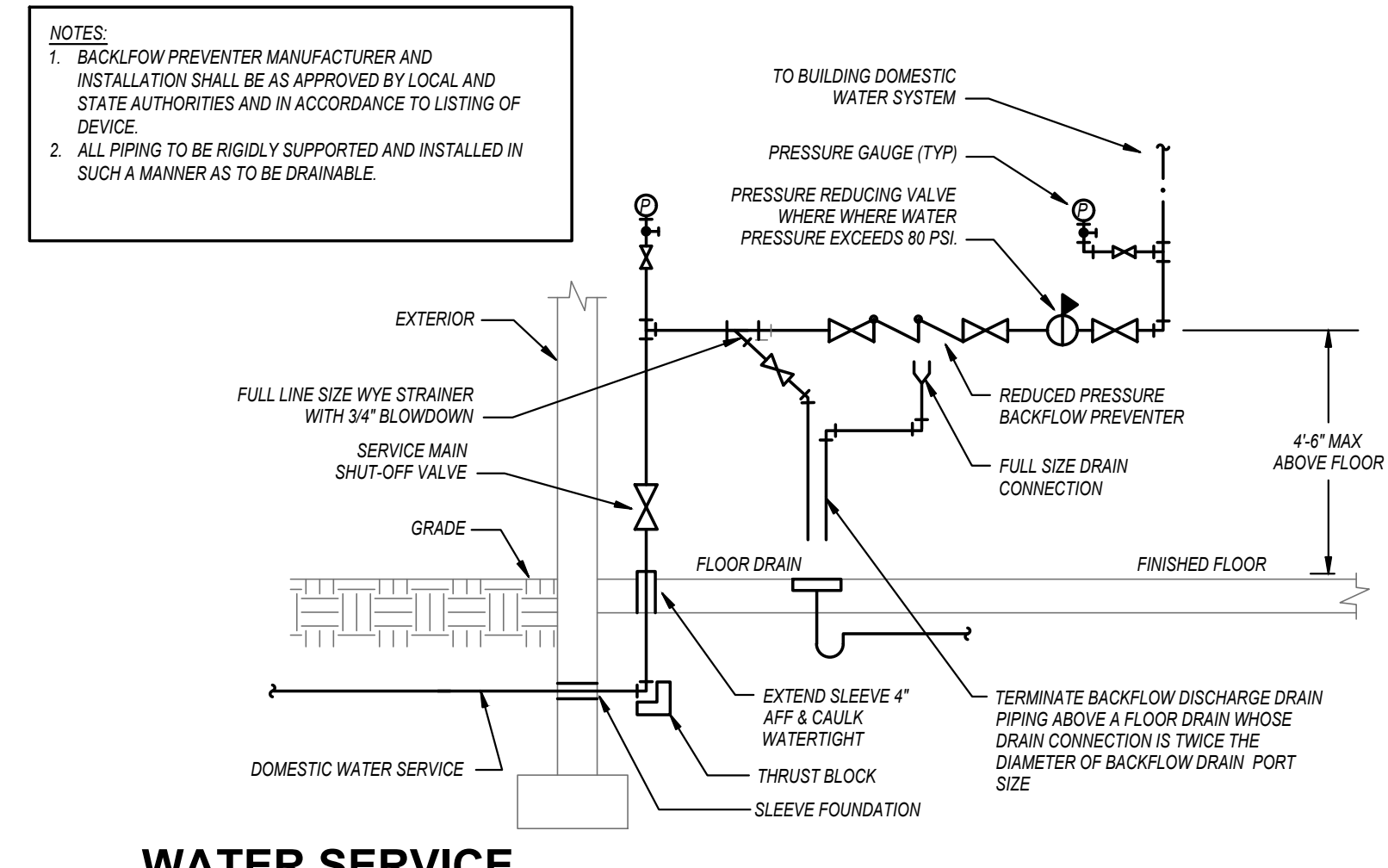
PIPE THROUGH EXTERIOR WALL
NOT TO SCALE



PIPE HANGER DETAIL
NOT TO SCALE



GAS SERVICE DETAIL
NOT TO SCALE



WATER SERVICE REDUCED PRESSURE BACKFLOW PREVENTER DETAIL
NOT TO SCALE

sfs architecture
2100 CENTRAL ST. SUITE 317 KANSAS CITY, MO 64108
816.454.1234 | 816.454.1235 | WWW.SFSARCHITECTURE.COM

Professional Engineer
William E. Kent - Engineer
MOR FE-2004015662

Camdenton Community Center
City of Camdenton, Missouri
1205 N. Business Route 5
Camdenton, MO 65020

SFS PROJECT NO. 181012
ISSUED FOR: 100% CDS
ISSUE DATE: 04.05.21
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PLUMBING DETAILS

pkmr
ENGINEERS
KEVIN MCKINLEY RAE ENGINEERS, LLC
13100 W 96TH STREET
LENEA, KS 66219
913.682.2400 WWW.PKMRINC.COM
MO 200A Certificate of Authority #E-200200203886

19.026

P401

LIGHTING CONTROLS

SYMBOLS

- WALL SWITCH VACUANCY SENSOR: PASSIVE INFRARED, 120/277V, WALL SWITCH DECORA STYLE SENSOR. (WATSTOPPER PW-101, OR EQUAL)
- WALL SWITCH MOTION SENSOR: DUAL TECHNOLOGY (PASSIVE INFRARED AND ULTRASONIC), 120/277V, DECORA STYLE SENSOR. (WATSTOPPER DSW-100, OR EQUAL)
- DIGITAL TIME SWITCH: DIGITAL TIMER SWITCH, SINGLE GANG, ONE POLE, DECORA STYLE FACEPLATE, ONE BUTTON, LCD TIMER, ADJUSTABLE FROM 5-MIN TO 12 HOURS. (WATSTOPPER TS-400, OR EQUAL)
- ROOM CONTROLLER: LOW VOLTAGE SWITCHES: PUSHBUTTON SWITCHES WITH LED PILOT LIGHTS, SINGLE GANG IN DECORA STYLE FACEPLATE WITH RANGE, LOWER, ON, OFF CONTROLS WITH LABELED PLAQUE FOR EACH FUNCTION. (WATSTOPPER LWR SERIES, OR EQUAL)
- ROOM CONTROLLER: LOW VOLTAGE DIMMING SWITCHES: PUSHBUTTON SWITCHES WITH LED INDICATING LIGHTS, SINGLE GANG IN DECORA STYLE FACEPLATE. (WATSTOPPER LMD-101)
- CEILING-MOUNTED MOTION SENSORS: DUAL TECHNOLOGY (PASSIVE INFRARED AND ULTRASONIC) LINE VOLTAGE CEILING SENSOR. (WATSTOPPER DT-350)
- LOW VOLTAGE CEILING-MOUNTED MOTION SENSOR: DUAL TECHNOLOGY (PASSIVE INFRARED AND ULTRASONIC), LOW VOLTAGE, CEILING SENSOR. (WATSTOPPER DT-300, OR EQUAL)
- DIGITAL CEILING-MOUNTED MOTION SENSOR: DUAL TECHNOLOGY (PASSIVE INFRARED AND ULTRASONIC), DIGITAL, CEILING SENSOR. (WATSTOPPER LMC-100, OR EQUAL)
- ROOM CONTROLLER: DIGITAL ON/OFF ROOM CONTROLLER, 120/277V INPUT, # INDICATES NUMBER OF RELAYS (STD 1-2, UNITS SHALL BE GANGED FOR MORE THAN 2 RELAYS/ZONES) (WATSTOPPER LMC-100 SERIES, OR EQUAL)
- ROOM CONTROLLER: DIGITAL ON/OFF 0-10V DIMMING ROOM CONTROLLER, 120/277V INPUT, # INDICATES NUMBER OF RELAYS (STD 1-3, UNITS SHALL BE GANGED FOR MORE THAN 3 RELAYS/ZONES) (WATSTOPPER LMC-200 SERIES OF EQUAL)
- ASTRONOMICAL TIME CLOCK: DIGITAL ON/OFF CONTROLLER, PROGRAMMABLE FOR ASTRONOMICAL AND SCHEDULED CONTROL, 120V INPUT. (WATSTOPPER RT-200 OR EQUAL)

DLM OR LOW VOLTAGE CABLING: DIGITAL SYSTEMS SHALL UTILIZE PLENUM RATED CAT5 WIRING OR CABLING PROVIDED BY MANUFACTURER SPECIFICALLY FOR CONTROL SYSTEM. LOW VOLTAGE SYSTEMS SHALL UTILIZE CABLING PER MANUFACTURER'S REQUIREMENTS. CABLING MAY NOT BE INDICATED WHERE ROOM SYSTEM ARCHITECTURE IS SIMPLE FOR CLARITY.

LCP-X LIGHTING CONTROL PANEL: PROVIDE LIGHTING CONTROL PANEL FOR EXTERIOR LIGHTING LOADS. PANEL SHALL CONSIST OF RELAY/CONTACTOR PANEL, PHOTOCELL, INTERNAL TIMECLOCK, AND OTHER CONTROLLING DEVICES. WATSTOPPER TUP24 PRINT PANEL OR APPROVED EQUAL IN SURFACE-MOUNTED ENCLOSURE. PANEL SHALL BE CAPABLE OF SCHEDULED ON/OFF CONTROL WITH OVERRIDE CAPABILITY. REFER TO CONTROL PANEL SCHEDULE FOR ADDITIONAL INFORMATION.

LCP-Y LIGHTING CONTROL PANEL: PROVIDE LIGHTING CONTROL PANEL FOR MAIN AREA LOADS. PANEL SHALL CONSIST OF RELAY/CONTACTOR PANELS, CONTROL SWITCHES, PHOTOCELLS AND OTHER CONTROLLING DEVICES. WATSTOPPER TUP24 PRINT PANEL OR APPROVED EQUAL IN "I" SERIES SURFACE-MOUNTED ENCLOSURE. PANEL SHALL BE CAPABLE OF SCHEDULED ON/OFF CONTROL WITH AFTER HOUR OVERRIDE CAPABILITY AND SHUTOFF. REFER TO CONTROL PANEL SCHEDULE FOR ADDITIONAL INFORMATION. COORDINATE SCHEDULING OF EACH CONTROL ZONE WITH OWNER.

TRAINING AND PROGRAMMING

- OWNER TRAINING:
 - PROVIDE FACTORY REPRESENTATIVE TRAINING TO OWNER FOR EACH LIGHTING CONTROL SYSTEM UTILIZED, INCLUDING PROGRAMMING FOR SCHEDULING AND OPERATION OF EACH ROOM PER OWNER DIRECTION.
 - PROVIDE RECORD OF TIME DELAY SETTINGS ON ALL SENSOR DEVICES FOR OWNER USE.

- SENSOR ADJUSTMENTS AND SETTINGS:
 - SYSTEMS SHALL BE SET/PROGRAMMED TO OPERATE TYPICALLY IN MANUAL ON/AUTO OFF MODE.
 - SET WALL MOUNTED MOTION SENSOR TO MANUAL ON MODE.
 - SET POWER PACKS AND ROOM CONTROLLERS CONTROLLED BY MOTION SENSORS TO MANUAL ON AND CONTROL WITH MOMENTARY WALL SWITCH.
 - PROVIDE FINAL SETTINGS/ADJUSTMENTS PER OWNER'S DIRECTION.

CONTROLS SEQUENCES

- WALL-MOUNTED LINE VOLTAGE SENSORS:
 - TURN ON LIGHTS IN ROOM/AREA UPON BUTTON ON SENSOR BEING ACTIVATED BY OCCUPANT.
 - TURN OFF LIGHTS AFTER NO MOTION IS DETECTED AND DELAY EXPIRES.

- OPEN OFFICE AREA:
 - MANUAL ON AND DIMMING CONTROL OF LIGHTING VIA DIMMING SWITCHES.
 - TURN OFF LIGHTS AFTER NO MOTION IS DETECTED BY CEILING SENSOR AND DELAY EXPIRES.

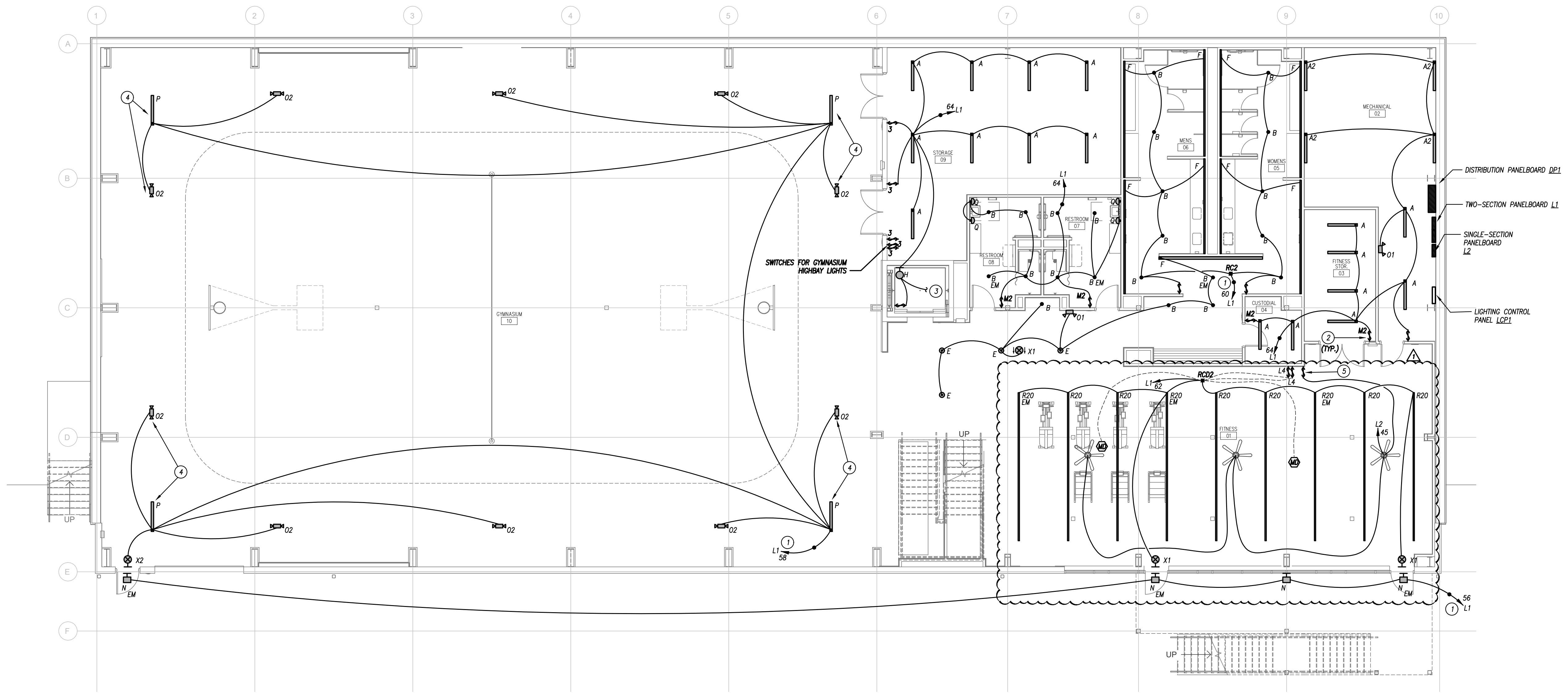
- TRAINING/CONFERENCE ROOMS:
 - MANUAL ON/OFF AND DIMMING CONTROL OF LIGHTING VIA DIMMING SWITCHES.
 - TURN OFF LIGHTS AFTER NO MOTION IS DETECTED AND DELAY EXPIRES.
 - SWITCHES AT EACH DOOR:
 - 2x4 TROFFERS
 - 2x4 LIGHTS
 - EACH SWITCH IS TO FUNCTION AS A THREE-WAY SWITCH IN CONJUNCTION WITH THE SWITCH SERVING SAME LOAD AT THE OTHER DOOR IN THE ROOM.

GENERAL LIGHTING NOTES

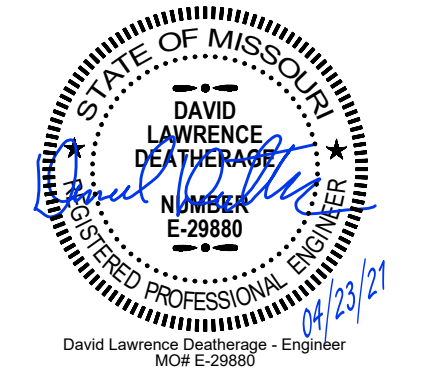
1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. LIGHT FIXTURES INDICATED AS EMERGENCY FIXTURES ARE TO FUNCTION AS NIGHT LIGHTS UNLESS SPECIFICALLY SHOWN SWITCHED.
3. ALL CIRCUITING SHOWN ON THIS PLAN IS DIAGNOMATIC.
 - 3.1. ALL FIXTURES SHALL BE FEED FROM LUNCTION BOXES WITH LIGHT FIXTURE WIRING (<9'). DAST-CHANNING OF FIXTURES IS NOT ALLOWED.
 - 3.2. SWITCH BOX LOCATIONS SHALL BE WIRED SO THAT A NEUTRAL WIRE IS AVAILABLE AT THE SWITCH BOX LOCATION, EITHER IN THE BOX OR AVAILABLE TO BE ADDED VIA RACEWAY OR AN ACCESSIBLE WALL CAVITY.
 - 3.3. WALL SWITCHES FOR SEPARATE LOAD TYPES (EM/NORMAL, 120/277V, ETC.) SHALL NOT BE IN A SINGLE BOX.
 - 3.4. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
4. REFER TO ARCHITECTURAL DRAWINGS FOR LIGHT FIXTURE MOUNTING HEIGHTS.

LIGHTING PLAN KEYED NOTES

1. ROUTE INDICATED CIRCUIT TO HOMERUN PANEL VIA LIGHTING CONTROL PANEL LCP-1.
2. LIGHTING CONTROL DEVICE. REFER TO SCHEDULE FOR MORE INFORMATION.
3. WIRE TO FIXTURE IN SHAFT ON THE LEVEL ABOVE.
4. LIGHT FIXTURES AND EMERGENCY LIGHTS MOUNTED TO BOTTOM OF TRACK. (TYP.)
5. 0-10V FAN CONTROLLER MOUNTED AT LIGHT SWITCH HEIGHT. FAN CONTROLLER TO CONTROL ALL THREE FITNESS FITNESS FANS IN TANDEM. COORDINATE ALL REQUIREMENTS WITH MANUFACTURER.



LOWER LEVEL - LIGHTING
1/8" = 1'-0"



1	04.23.21	BID RELEASE



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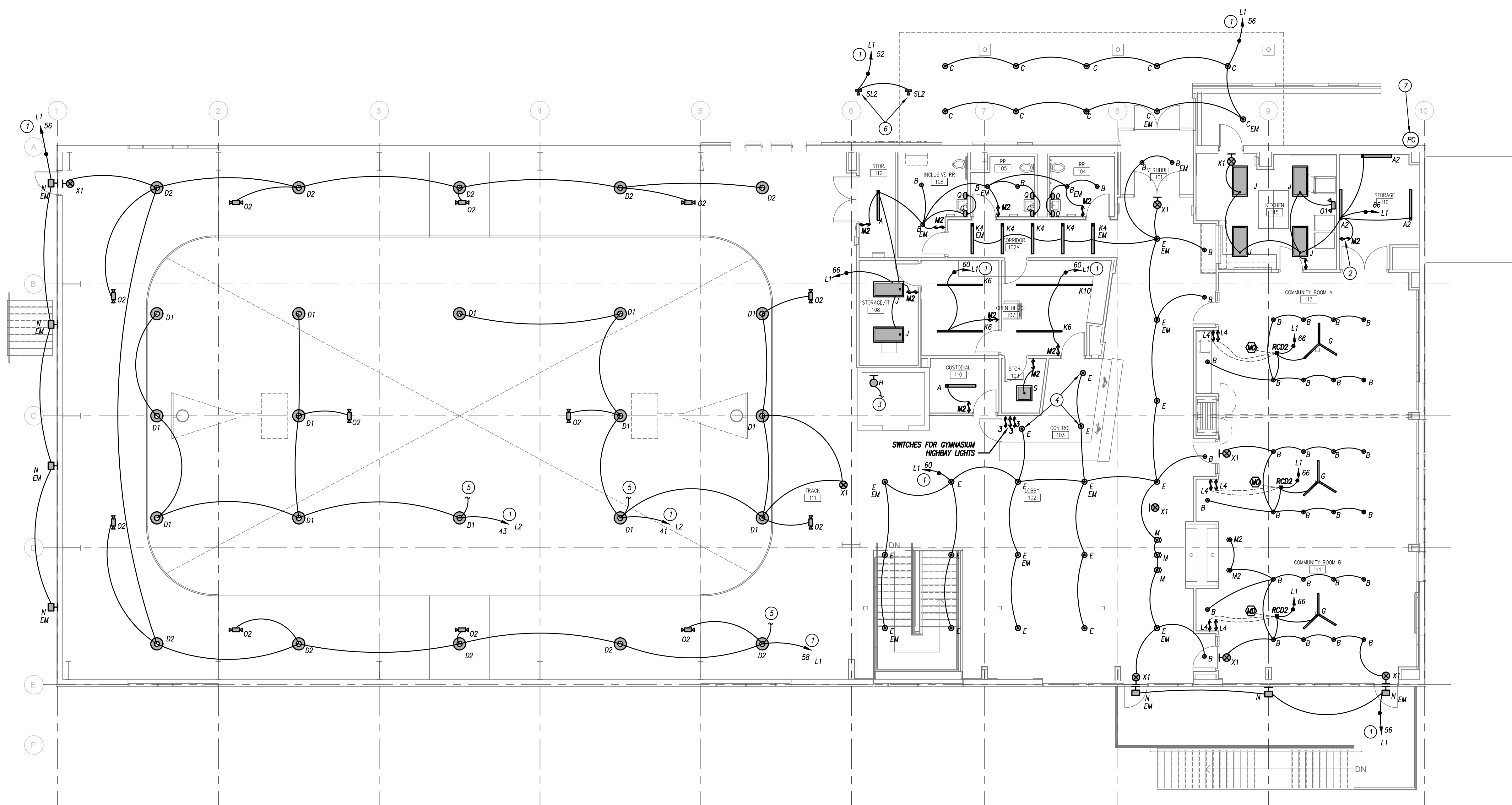
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GENERAL LIGHTING NOTES

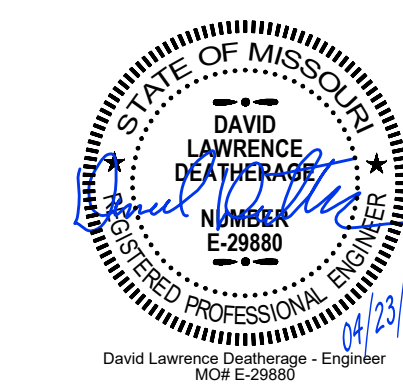
- REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
- LIGHT FIXTURES INDICATED AS EMERGENCY FIXTURES ARE TO FUNCTION AS NIGHT LIGHTS UNLESS SPECIFICALLY SHOWN SWITCHED.
- ALL CIRCUITING SHOWN ON THIS PLAN IS DIAGRAMMATIC.
 - ALL FIXTURES SHALL BE FED FROM JUNCTION BOXES WITH LIGHT FIXTURE WHIPS (LF), DASHY-CHAINING OF FIXTURES IS NOT ALLOWED.
 - SWITCH BOX LOCATIONS SHALL BE WIRED SO THAT A NEUTRAL WIRE IS AVAILABLE AT THE SWITCH BOX LOCATION, EITHER IN THE BOX OR AVAILABLE TO BE ADDED VIA RACEWAY OR AN ACCESSIBLE WALL CAVITY.
 - WALL SWITCHES FOR SEPARATE LOAD TYPES (EM/NORMAL, 120/277V, ETC.) SHALL NOT BE IN A SINGLE BOX.
 - REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- REFER TO ARCHITECTURAL DRAWINGS FOR LIGHT FIXTURE MOUNTING HEIGHTS.

LIGHTING PLAN KEYED NOTES

- ROUTE INDICATED CIRCUIT TO HOMERUN PANEL VIA LIGHTING CONTROL PANEL LCP-1.
- LIGHTING CONTROL DEVICE. REFER TO SCHEDULE FOR MORE INFORMATION.
- WIRE TO FIXTURE IN SHAFT TO THE LEVEL BELOW.
- COORDINATE MOUNTING OF FIXTURE IN LATTICE ARCHITECTURAL CEILING WITH ARCHITECT.
- WIRE TO MANUAL OVERRIDE 3-WAY SWITCHES AT CONTROL DESK AND STORAGE ROOM.
- COORDINATE LOCATION OF FIXTURES WITH ARCHITECT AND LANDSCAPE PRIOR TO WORK.
- BUILDING MOUNTED PHOTOCELL. ORIENT FACING NORTH.



MAIN LEVEL - LIGHTING
1/8" = 1'-0"



Camdenton Community Center

City of Camdenton, Missouri
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Camdenton, MO 65020

1	04/23/21	BID RELEASE

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LIGHTING - LEVEL 1 (MAIN)



E111

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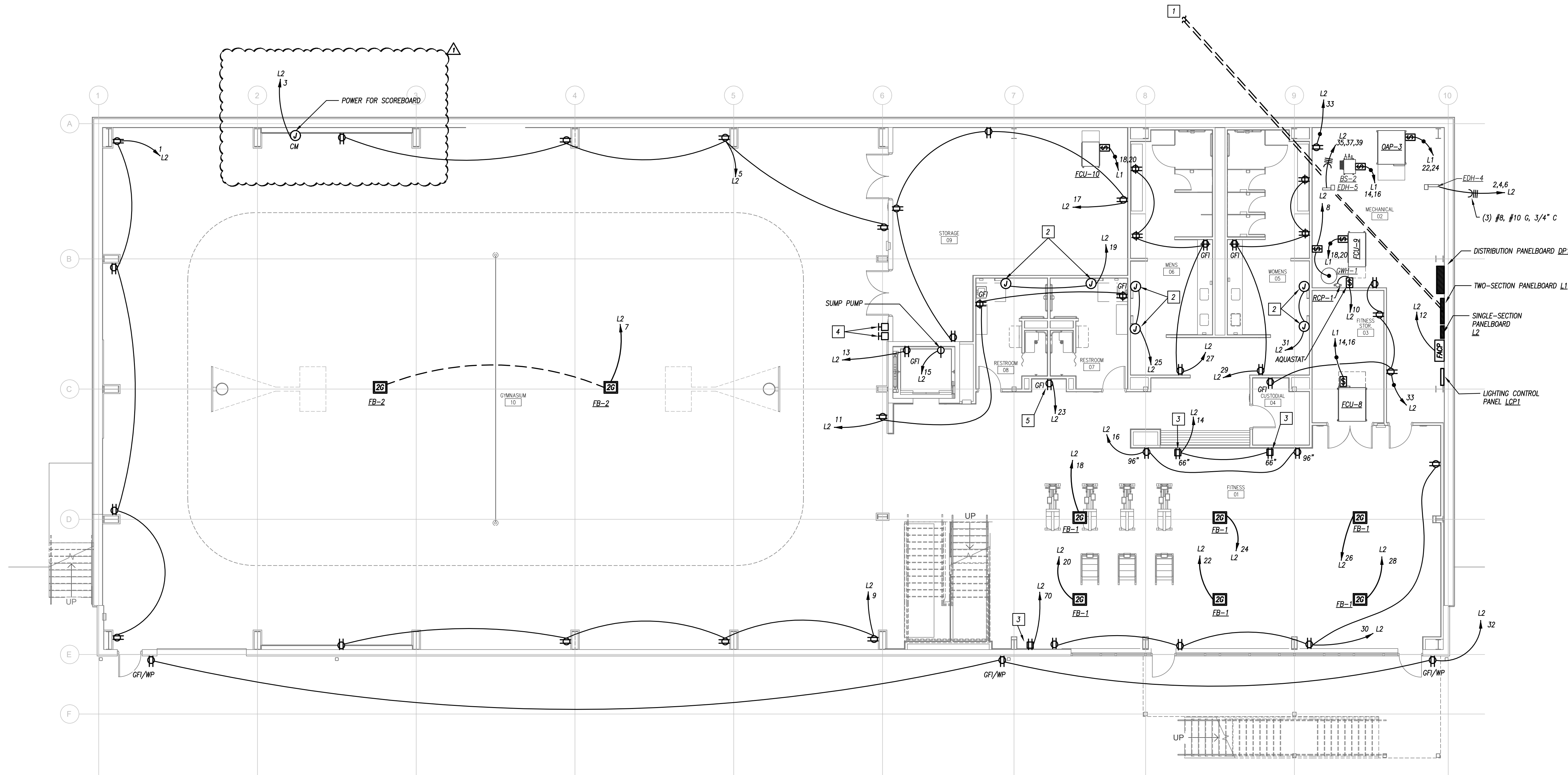
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GENERAL POWER NOTES

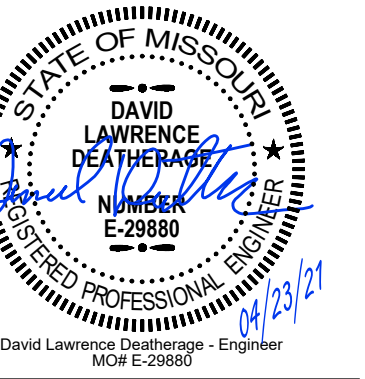
1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. COORDINATE EXACT NEMA CONFIGURATIONS OF RECEPTACLES SERVING EQUIPMENT WITH EXACT EQUIPMENT BEING FURNISHED.
3. REFER TO THE SPECIFICATIONS FOR ADDITIONAL LOCATIONS/REQUIREMENTS FOR RECEPTACLES INCLUDING GFCI, WEATHER-RESISTANT, HOSPITAL-GRADE, AND TAMPER-RESISTANT RECEPTACLES.
4. EXACT MECHANICAL EQUIPMENT LOCATIONS MAY NOT BE SHOWN FOR CLARITY. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, DUCT DETECTORS, ETC. WITH MECHANICAL DRAWINGS AND CONTRACTOR.
5. COORDINATE EXACT LOCATIONS OF SMOKE DETECTORS WITH CEILING FANS, HVAC DIFFUSERS, SPRINKLER HEADS, ETC. PER NFPA REQUIREMENTS.

POWER PLAN KEYED NOTES

- 1 TWO 2" POWER CONDUITS TO FUTURE OWNER PROVIDED MONUMENT SIGN. REFER TO CIVIL FOR CONTINUATION.
- 2 POWER FOR ELECTRIC HAND DRYER. COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO WORK.
- 3 PROVIDE TWO (2) TVSS DUPLEX RECEPTACLES AND TWO (2) LOW VOLTAGE BOXES IN RECESSED 4-GANG TV BOX, HUBBELL #NCAV124M. COORDINATE WITH WALL BLOCKING, TV MOUNTING BRACKETS, AND LOW VOLTAGE CONTRACTOR.
- 4 WALL CONTROL SYSTEM FOR BASKETBALL COIL HOST SYSTEM. RE: SHEET E211 FOR MORE INFORMATION.
- 5 COORDINATE MOUNTING OF RECEPTACLE FOR DRINKING FOUNTAIN WITH EQUIPMENT MANUFACTURER.



LOWER LEVEL - POWER
1/8" = 1'-0"



Camdenton Community Center

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Camdenton, MO 65020

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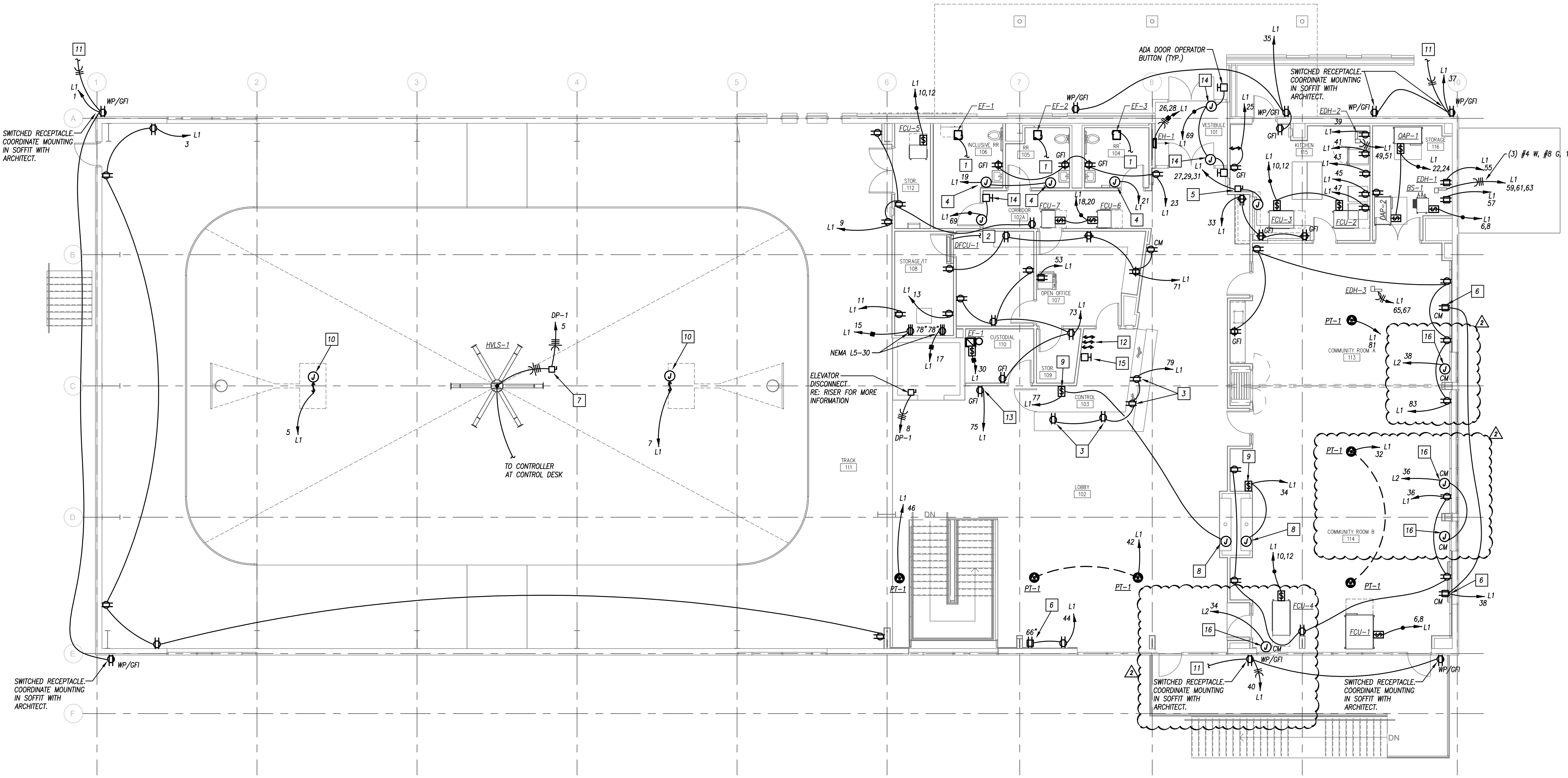
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POWER - LEVEL 0 (LOWER LEVEL)

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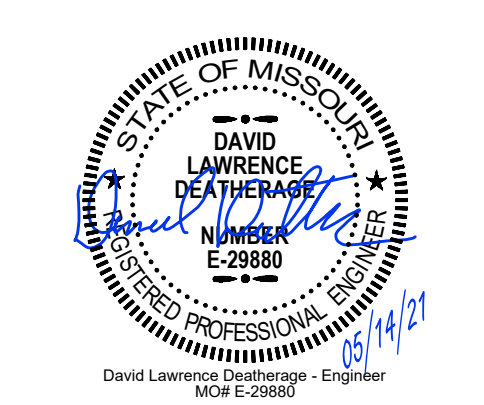
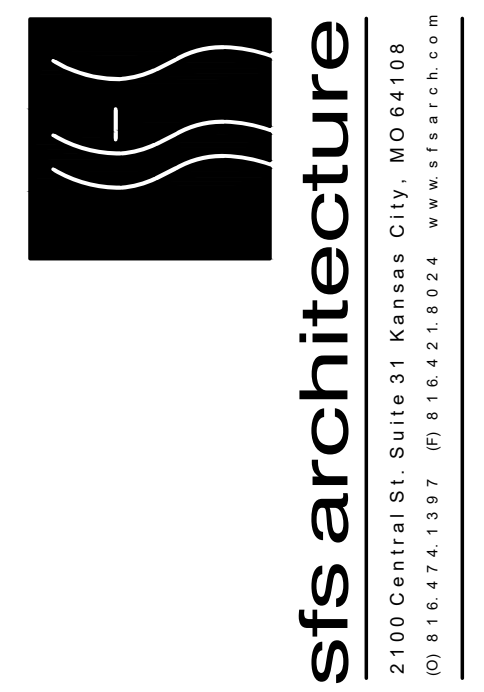
MAIN LEVEL - POWER
1/8" = 1'-0"

GENERAL POWER NOTES

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. COORDINATE EXACT NEMA CONFIGURATIONS OF RECEPTACLES SERVING EQUIPMENT WITH EXACT EQUIPMENT BEING FURNISHED.
3. REFER TO THE SPECIFICATIONS FOR ADDITIONAL LOCATIONS/REQUIREMENTS FOR RECEPTACLES, INCLUDING GFCI, WEATHER-RESISTANT, HOSPITAL-GRADE, AND TAMPER-RESISTANT RECEPTACLES.
4. EXACT MECHANICAL EQUIPMENT LOCATIONS MAY NOT BE SHOWN FOR CLARITY. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, DUCT DETECTORS, ETC. WITH MECHANICAL DRAWINGS AND CONTRACTOR.
5. COORDINATE EXACT LOCATIONS OF SMOKE DETECTORS WITH CEILING FANS, HVAC DIFFUSERS, SPRINKLER HEADS, ETC. PER NFPA REQUIREMENTS.

POWER PLAN KEYED NOTES

- 1 POWER WITH LIGHT FIXTURES IN THIS ROOM.
- 2 WIRE TO OUTSIDE UNIT. REFER TO SITE PLAN MEP101 FOR MORE INFORMATION.
- 3 RECEPTACLE TO BE MOUNTED IN CASEWORK. REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION.
- 4 POWER FOR ELECTRIC HAND DRYER. COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO WORK.
- 5 UNDERCOUNTER DISHWASHER. COORDINATE DISCONNECT SIZE WITH EQUIPMENT PROVIDER.
- 6 PROVIDE TWO (2) TYS DUPLEX RECEPTACLES AND TWO (2) LOW VOLTAGE BOXES IN RECESSED 4-GANG TV BOX, HUBBELL #NSV12M, COORDINATE WITH WALL BLOCKING, TV MOUNTING BRACKETS, AND LOW VOLTAGE CONTRACTOR.
- 7 PROVIDE DISCONNECT AT CEILING FAN AND MAKE FINAL CONNECTION BETWEEN VFD (FURNISHED WITH CEILING FAN) AND CEILING FAN PER INSTALLATION INSTRUCTIONS. WIRE TO FIRE ALARM SYSTEM TO SHUT DOWN FAN UPON ACTIVATION OF FIRE ALARM. PROVIDE 1" CONDUIT WITH PULLSTRING TO FAN CONTROLLER LOCATION. RE. MECHANICAL FOR CONTROLLER LOCATION. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.
- 8 POWER FOR FIREPLACE STARTER. COORDINATE WITH FIREPLACE VENDOR.
- 9 CONNECTION TO FIREPLACE CONTROLS. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH FIREPLACE VENDOR. COORDINATE EXACT CONTROLS LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 10 POWER FOR BASKETBALL GOAL HOIST SYSTEM. COORDINATE ROUGH-IN REQUIREMENTS WITH EQUIPMENT SUPPLIER AND MAKE FINAL CONNECTIONS TO EQUIPMENT. PROVIDE LOCAL DISCONNECTS AS REQUIRED. ROUTE 1" CONDUIT WITH PULL STRING TO WALL CONTROL SYSTEM RE. SHEET E210.
- 11 WIRE TO SWITCH AT CONTROL DESK.
- 12 SWITCHES FOR SWITCH CONTROLLED RECEPTACLE CIRCUIT FOR HOLIDAY LIGHTING. EACH SWITCH TO CONTROL A DIFFERENT CIRCUIT.
- 13 COORDINATE MOUNTING OF RECEPTACLE FOR DRINKING FOUNTAIN WITH EQUIPMENT MANUFACTURER.
- 14 ELECTRICAL CONNECTION TO ADA DOOR OPERATOR MOTOR. INSTALL A COMPLETE WORKING SYSTEM.
- 15 FAN CONTROLLER. COORDINATE ALL REQUIREMENTS WITH MANUFACTURER.
- 16 POWER FOR MOTORIZED SHADES. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO WORK.



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1	04.29.21	ISSUE RELEASE
2	05.14.21	ADDENDUM 2

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POWER - LEVEL 1 (MAIN)



E211

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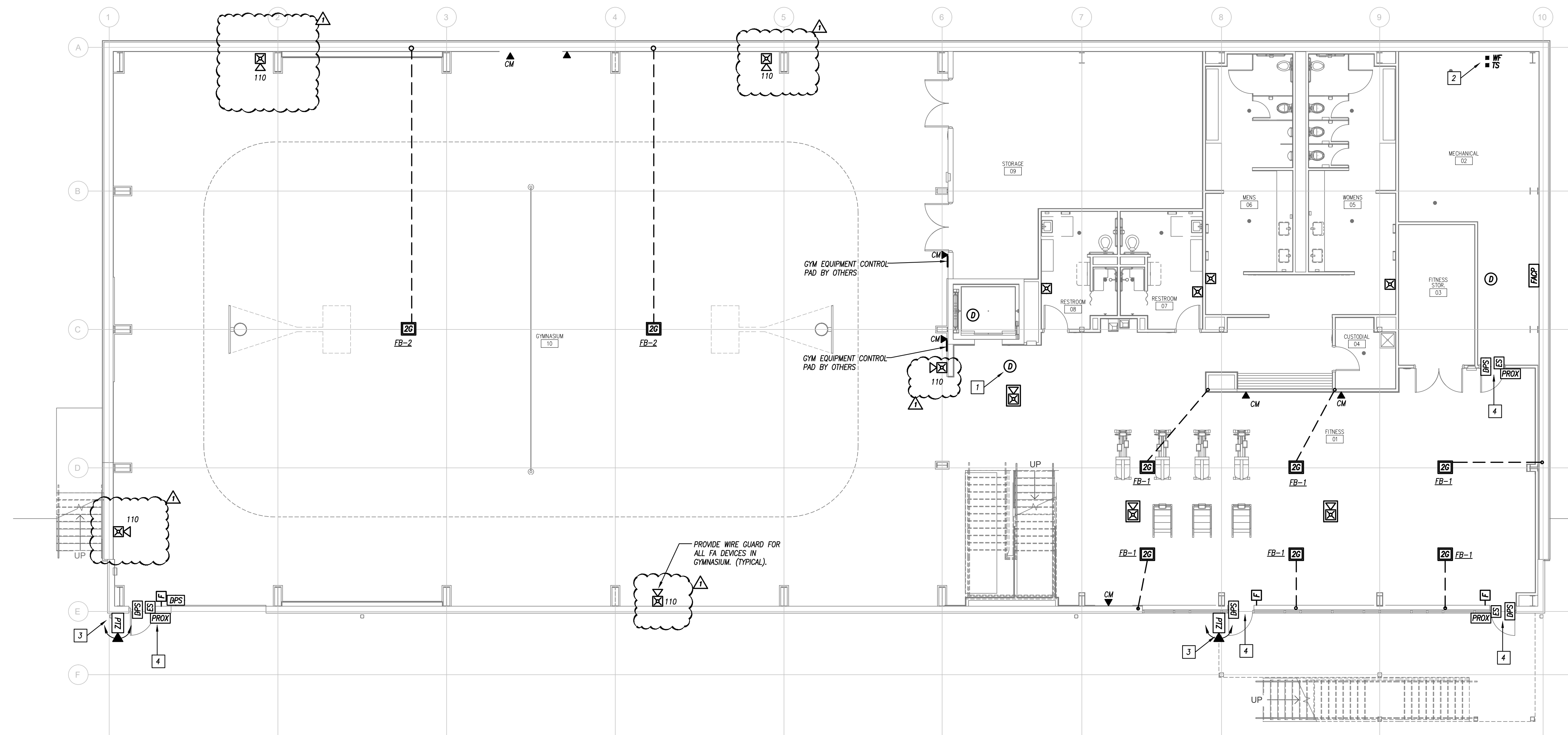
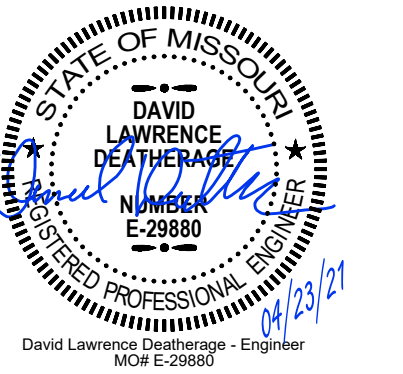
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GEN. SPECIAL SYSTEMS NOTES

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. REFER TO LOW VOLTAGE RISER DIAGRAMS / DETAILS FOR WORK THAT MAY NOT BE SHOWN ON PLANS.
3. EXACT MECHANICAL EQUIPMENT LOCATIONS MAY NOT BE SHOWN FOR CLARITY. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, DUCT DETECTORS, ETC. WITH MECHANICAL DRAWINGS AND CONTRACTOR.
4. COORDINATE EXACT LOCATIONS OF SMOKE DETECTORS WITH CEILING FANS, HVAC DIFFUSERS, SPRINKLER HEADS, ETC. PER NFPA REQUIREMENTS.

SPECIAL SYSTEMS KEYED NOTES

- 1 SMOKE DETECTOR FOR ELEVATOR RECALL.
- 2 WATER FLOW AND TAMPER SWITCH. COORDINATE QUANTITY AS NEEDED WITH FIRE PROTECTION CONTRACTOR.
- 3 PROVIDE JUNCTION BOX ROUGH-IN WITH 3/4" CONDUIT STUBBED INTO NEAREST BACK OF HOUSE SPACE FOR SECURITY DEVICES AND WIRING BY OTHERS.
- 4 ELECTRIC DOOR. REFER TO ARCHITECTURAL DOOR HARDWARE SCHEDULE FOR MORE INFORMATION.



LOWER LEVEL - SPECIAL SYSTEMS
 1/8" = 1'-0"

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SPECIAL SYSTEMS - LEVEL 0 (LOWER LEVEL)



E310

DISTRIBUTION PANELBOARD SCHEDULE

PANEL DESIGNATION: **DP-1**

MAIN BUS AMPS: 800 VOLTAGE: 208/120 MOUNTING SURFACE: MECHANICAL
 MAIN BREAKER AMPS: 800 PHASEWIRE: 3Ø, 4W
 SCRR RATING (AIC): 35,000

CIRCUIT NO.	CIRCUIT DESIGNATION	KVA	POLE	FRAME	TRIP	SETS	# OF WIRES	SIZE	GROUND	CONDUIT
1	PANELBOARD L1	66.3	3	400	400	1	4	500 MCM	#3	3-1/2"
2	HEAT RECOVERY HR-1 #1	18.9	3	100	70	1	3	#4	#8	1"
3	HEAT RECOVERY HR-1 #2	13.9	3	100	50	1	3	#6	#10	3/4"
4	HEAT RECOVERY HR-2	17.9	3	100	60	1	3	#4	#10	1"
5	FAN HVLS-1	2.5	3	100	15	1	3	#12	#12	1/2"
6	RTU-1	21.8	3	100	90	1	3	#2	#8	1-1/4"
7	RTU-2	21.8	3	100	90	1	3	#2	#8	1-1/4"
8	ELEVATOR	22.4	3	100	100	1	3	#1	#8	1-1/2"
9	PANELBOARD L2	34.8	3	200	200	1	4	#3/0	#6	2"
10	SPARE	0.0	3	100	-	-	-	-	-	-
11	SPARE	0.0	3	100	-	-	-	-	-	-
12	SPARE	0.0	3	100	-	-	-	-	-	-

PANELBOARD SIZING LOAD

LOAD DESCRIPTION	CONNECTED LOAD	DEMAND FACTOR	CODE MIN. (VA)
LIGHTS	11,824	1.25	14,780
RECEPTACLES	36,920	10KVA + 50% REST	23,460
MOTORS	33,195	1.25 x LARGEST + SUM OF REST	38,789
AIR CONDITIONING	51,747	1.00	51,747
SPACE HEATING	43,761	0.00	0
HEAT PUMP	57,245	1.00	57,245
CONTINUOUS	250	1.25	313
NON-CONTINUOUS	1,350	1.00	1,350
MISC. LOADS 1	3,880	1.00	3,880
TOTAL CONNECTED LOAD (VA)	240,173	SIZING LOAD (VA)	191,563
TOTAL CONNECTED LOAD (AMPS)	696.7	SIZING LOAD (AMPS)	531.7

- REMARKS:
 1. CUTLER HAMMER POW-R-LINE 48 PANELBOARD OR EQUAL.
 2. SINGLE SECTION, 44" WIDE PANELBOARD.
 3. FURNISH PANELBOARD WITH EXTERNAL SPD.

TWO-SECTION PANELBOARD SCHEDULE

PANEL DESIGNATION: **L1**

MAIN LUG AMPS: 400 SCRR RATING (AIC): 35,000
 MAIN BREAKER: M.L.O. VOLTAGE: 208/120
 PHASEWIRE: 3Ø, 4W

DESCRIPTION	PHASE			TRIP	POLE	C/B	DESCRIPTION
	A	B	C				
REC. EXTERIOR SWITCHED WEST	360			20	1	2	DOU-1
REC. TRACK	900			20	1	4	
BASKETBALL HOIST	1150			20	1	5	BS-1 + FCU-1
BASKETBALL HOIST	1150			20	1	8	
REC. STORAGE, CORRIDOR, TRACK	720			20	1	9	FCU-2 THRU FCU-5
REC. STORAGE/IT	180			20	1	11	
REC. STORAGE/IT	180			20	1	13	
REC. LS-30 STORAGE	1200			30	1	15	BS-2 + FCU-8
REC. LS-30 STORAGE	1200			30	1	17	
HAND DRYERS	900			20	1	19	FCU-6, FCU-7, FCU-9, FCU-10
HAND DRYERS	450			20	1	21	
REC. RESTROOMS	720			20	1	23	OMP-1, OMP-2, OMP-3
GARBAGE DISPOSAL	180			20	1	25	
DISHWASHER	950			20	1	27	ELECTRIC HEATER EH-1
DISHWASHER	950			20	3	29	EXHAUST FAN EF-1
REC. KITCHEN GENERAL	540			20	1	31	REC. POKE-THRU'S COMMUNITY
REC. IN EXTERIOR	540			20	1	33	COMMUNITY ROOM FIREPLACE
REC. NE SWITCHED RECEPTACLES	360			20	1	37	REC. COMMUNITY ROOM B
REC. KITCHEN FRIDGE/FREEZER	900			20	1	39	REC. COMMUNITY ROOM TV'S
REC. KITCHEN FRIDGE/FREEZER	900			20	1	41	REC. SE SWITCHED EXTERIOR
REC. KITCHEN FRIDGE/FREEZER	900			20	1	43	REC. LOBBY 102 POKE-THRU'S
REC. KITCHEN FRIDGE/FREEZER	900			20	1	45	REC. LOBBY 102 TV
REC. KITCHEN FRIDGE/FREEZER	900			20	1	47	REC. TRACK POKE-THRU
REC. KITCHEN FRIDGE/FREEZER	900			20	1	49	REC. ROOF
ELECTRICAL DUCT HEATER EDH-2	1549			20	2	51	LTS: SITE POLE LIGHTS
REC. OPEN OFFICE COPIER	1800			20	1	53	LTS: FUTURE SIGNAGE
REC. FUTURE IT RACK	360			20	1	55	REC. EXTERIOR POLES
REC. FUTURE IT RACK	360			20	1	57	LTS: EXTERIOR WALL PACKS + CAMOPY
ELECTRICAL DUCT HEATER EDH-1	6522			70	3	61	LTS: GYM HIGH-BAYS TRACK
ELECTRICAL DUCT HEATER EDH-3	1449			20	2	65	LTS: CORRIDORS/STAIRS
ADA DOOR OPERATOR	900			20	1	69	LTS: FITNESS
REC. OPEN OFFICE	900			20	1	71	LTS: LOWER LEVEL ROOMS
REC. CONTROL DESK	720			20	1	79	LTS: MAIN LEVEL ROOMS
REC. POKE-THRU COMMUNITY A	360			20	1	81	REC. SW EXTERIOR POLES
REC. COMMUNITY ROOM A	900			20	1	83	REC. FITNESS TV
TOTALS	16480	17151	18361	12998	12235	9456	TOTALS

PANELBOARD SIZING LOAD

LOAD DESCRIPTION	CONNECTED	DEMAND	CODE MIN. (VA)
LIGHTS	8,864	1.25	11,280
RECEPTACLES	23,820	10KVA + 50% REST	16,910
MOTORS	7,637	1.25 x LARGEST + SUM OF REST	8,350
AIR CONDITIONING	8,234	0.00	0
SPACE HEATING	29,562	1.00	29,562
HEAT PUMP	6,534	1.00	6,534
CONTINUOUS	0	1.25	0
NON-CONTINUOUS	1,350	1.00	1,350
MISC. LOADS 1	680	1.00	680
SIZING LOAD:			74,466
SIZING LOAD (AMPS):			207

CONNECTED PHASE LOADS

PHASE	VA	AMPS
A	28,478	245.5
B	29,396	244.7
C	27,817	231.6
TOTALS	86,681	240.6

- REMARKS:
 1. CUTLER HAMMER POW-R-LINE 2A OR EQUAL.
 2. 1/2" = PROVIDE GFI BREAKER

SINGLE-SECTION PANELBOARD SCHEDULE

PANEL DESIGNATION: **L2**

MAIN LUG AMPS: 225 SCRR RATING (AIC): 35,000
 MAIN BREAKER: M.L.O. VOLTAGE: 208/120
 PHASEWIRE: 3Ø, 4W

DESCRIPTION	PHASE			TRIP	POLE	C/B	DESCRIPTION
	A	B	C				
REC. WEST GYMNASIUM	720			20	1	1	
SCOREBOARD/SHOT CLOCK	900			20	1	3	
REC. NORTH GYM	720			20	1	5	
REC. FLOOR BOXES GYM	360			20	1	7	ELECTRIC DUCT HEATER EDH-4
REC. SOUTH GYM	720			20	1	9	
REC. RESTROOM	540			20	1	11	REC. F1 AND AQUASTAT
REC. ELEVATOR PIT	180			20	1	13	FIRE ALARM PANEL
REC. SUMP PUMP	500			20	1	15	REC. FITNESS TV'S
REC. STORAGE	720			20	1	17	REC. FITNESS OSCILLATING FANS
HAND DRYERS	900			20	1	19	REC. FITNESS FLOOR BOX
SPARE	500			20	1	21	REC. FITNESS FLOOR BOX
REC. DRINKING FOUNTAIN	900			20	1	23	REC. FITNESS FLOOR BOX
HAND DRYERS MEN	900			20	1	25	REC. FITNESS FLOOR BOX
REC. MEN RR	720			20	1	27	REC. FITNESS FLOOR BOX
REC. WOMEN RR	720			20	1	29	REC. FITNESS GENERAL
HAND DRYERS WOMEN	900			20	1	31	REC. SQUAT CAGE
REC. MECHANICAL	900			20	1	33	MOTORIZED SHADES
ELECTRIC DUCT HEATER EDH-5	1733			20	3	37	MOTORIZED SHADES
SPARE	1733			20	3	39	SPARE
LTS. GYM HIGH BAYS	1652			20	1	41	SPARE
LTS. GYM HIGH BAYS	1652			20	1	43	SPARE
FITNESS O1 FANS	62			15	1	45	SPARE
SPARE	-			20	1	47	SPARE
SPARE	-			20	1	49	SPARE
SPARE	-			20	1	51	SPARE
SPARE	-			20	1	53	SPARE
SPARE	-			20	1	55	SPARE
SPARE	-			20	1	57	SPARE
SPARE	-			20	1	59	SPARE
SPARE	-			20	1	61	SPARE
SPARE	-			20	1	63	SPARE
SPARE	-			20	1	65	SPARE
TOTALS	7345	6035	6985	5730	4780	5940	TOTALS

PANELBOARD SIZING LOAD

LOAD DESCRIPTION	CONNECTED	DEMAND	CODE MIN. (VA)
LIGHTS	5,554	1.25	7,180
RECEPTACLES	13,100	10KVA + 50% REST	11,550
MOTORS	2,700	1.25 x LARGEST + SUM OF REST	2,950
AIR CONDITIONING	0	0.00	0
SPACE HEATING	14,199	1.00	14,199
HEAT PUMP	0	1.00	0
CONTINUOUS	312	1.25	390
NON-CONTINUOUS	0	1.00	0
MISC. LOADS 1	3,200	1.00	3,200
SIZING LOAD:			36,419
SIZING LOAD (AMPS):			101

CONNECTED PHASE LOADS

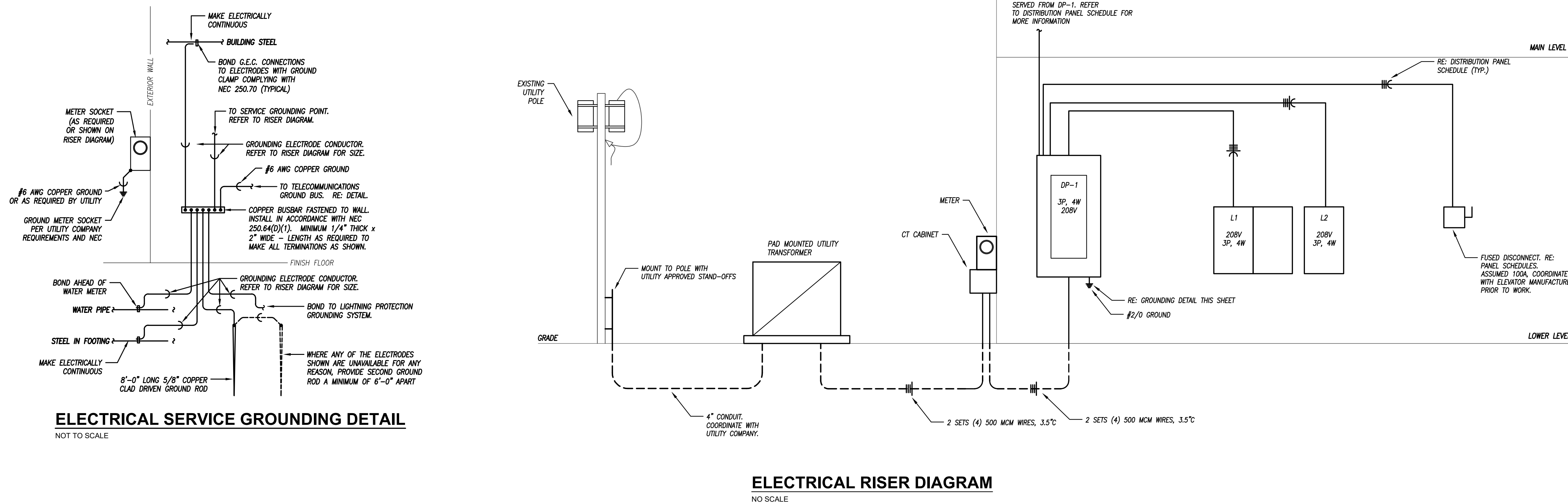
PHASE	VA	AMPS
A	11,075	108.9
B	10,815	90.1
C	12,925	107.6
TOTALS	36,815	102.2

- REMARKS:
 1. CUTLER HAMMER POW-R-LINE 2A OR EQUAL.
 2. BREAKER SHALL BE PAINTED OR FURNISHED RED AND PROVIDED WITH A LOCK-ON DEVICE.

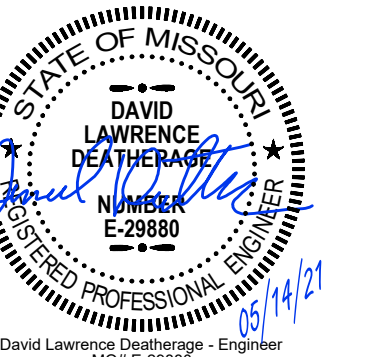
EQUIPMENT FAULT CURRENT RATING SCHEDULE

EQUIPMENT	SCA **	SCCR	NOTES
DISTRIBUTION PANELBOARD DP-1	26,702	35,000	1
PANELBOARD L1	23,529	35,000	1,2
PANELBOARD L2	19,835	35,000	1,2

NOTES:
 1. RATING BASED ON AN ASSUMED FAULT AT UTILITY CO. TRANSFORMER OF 40,036A.
 2. EQUIPMENT MAY BE SERIES RATED.
 ** CALCULATIONS PERFORMED USING BUSSMANN POINT-TO-POINT METHOD.



- ### RISER DIAGRAM KEYED NOTES
1. PROVIDE BUSSMAN POWER MODULE WITH FUSED DISCONNECT, SHUNT TRIP AND INTERFACE WITH FIRE ALARM FOR SHUTTING DOWN ELEVATOR UPON HEAT DETECTOR ACTUATION.



1	04.29.21	ADD RELEASE
2	05.14.21	ADDENDUM 2



LIGHT FIXTURE SCHEDULE

Table with columns: FIXTURE TYPE, MANUFACTURER, CATALOG NUMBER, DESCRIPTION, LAMP NUMBER / DESCRIPTION, VOLTAGE, REMARKS. Includes items A through X2 with various lighting fixture specifications.

REMARKS: 1. FURNISH WITH AND INSTALL ALL NECESSARY HARDWARE AND MOUNTING BRACKETS. 2. WHERE FIXTURE IS LABELED "EM", PROVIDE WITH IOTA LEB-CP10 (10W CONSTANT POWER EMERGENCY BATTERY PACK) OR APPROVED EQUIV.

GENERAL NOTES (APPLICABLE TO ALL FIXTURES): 1) REFER TO SPECIFICATIONS FOR APPROVED EQUAL FIXTURE MANUFACTURERS AND ADDITIONAL FIXTURE/DRIVER/BALLAST REQUIREMENTS. 2) ALL FIXTURES WITH PAINTED METAL PARTS SHALL BE PAINTED AFTER FABRICATION.

LIGHTING CONTROL PANEL SCHEDULE (LCP1)

Table with columns: RELAY, CIRCUIT #, DESCRIPTION, NOTES. Lists relay configurations for lighting control.

NOTES: 1. PHOTOCELL ON / PHOTOCELL OFF. 2. PHOTOCELL ON / TIMECLOCK OFF. 3. PROVIDE CIRCUIT WITH UL-924 RELAY. 4. TIMECLOCK ON / TIMECLOCK OFF.

PANEL REMARKS:

1. WATTS/STOPPER LPI2 PANEL OR EQUAL. 2. FURNISH WITH EXTERIOR PHOTOCELL. 3. REFER TO DETAIL FOR CONNECTIONS, ETC.

FLOOR BOX SCHEDULE

Table with columns: MARK, SYMBOL, FLOOR BOX DETAIL, SUB-PLATE / DEVICE DETAIL. Includes diagrams for floor box and sub-plate details.

FIRE-RATED POKE-THROUGH SCHEDULE

Table with columns: MARK, SYMBOL, CORE HOLE, RATING, POKE-THROUGH DETAIL, SUB-PLATE DETAIL. Includes diagrams for poke-through and sub-plate details.

D

C

B

A

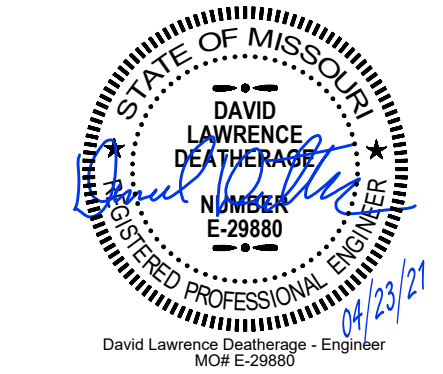
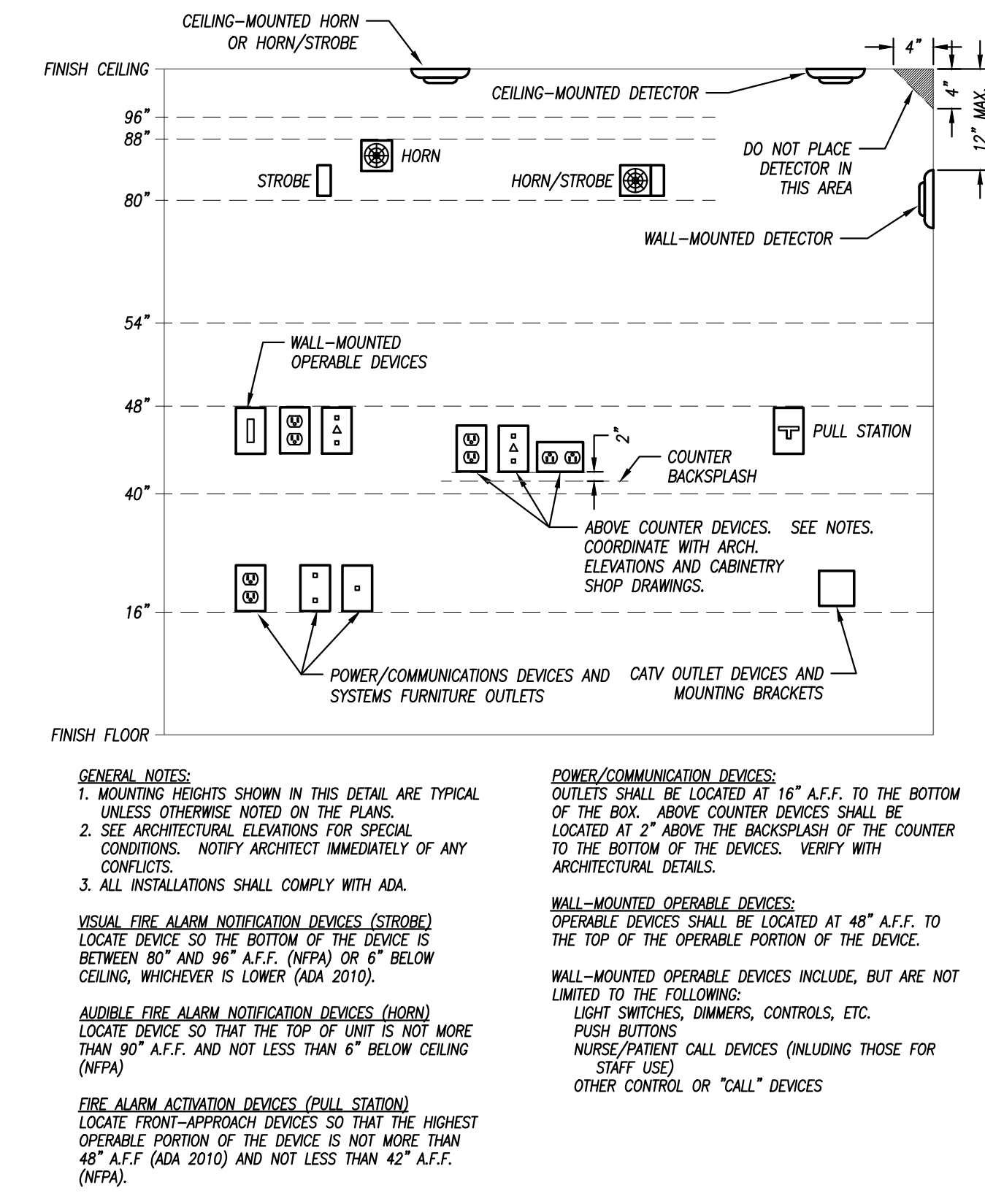
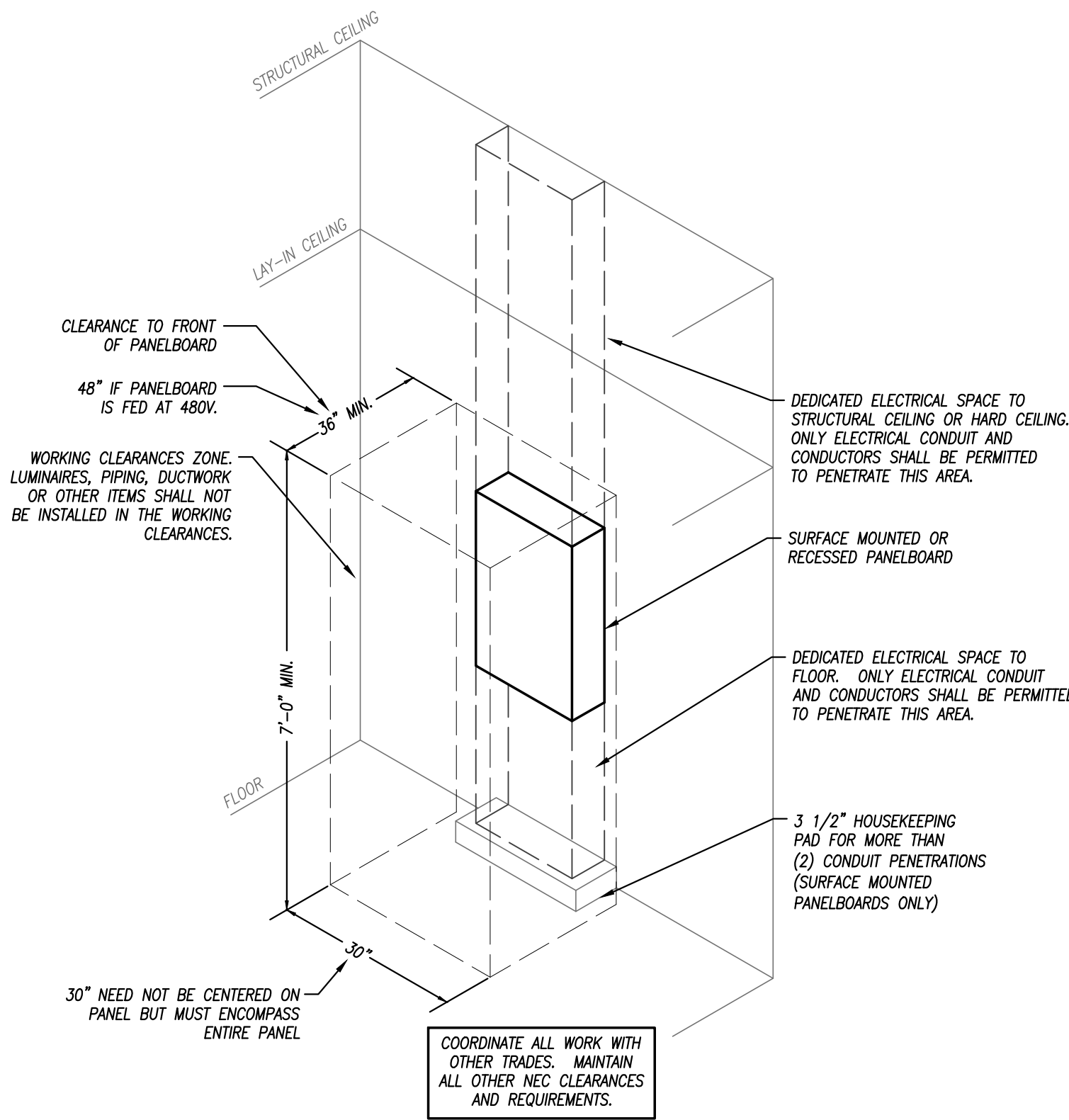
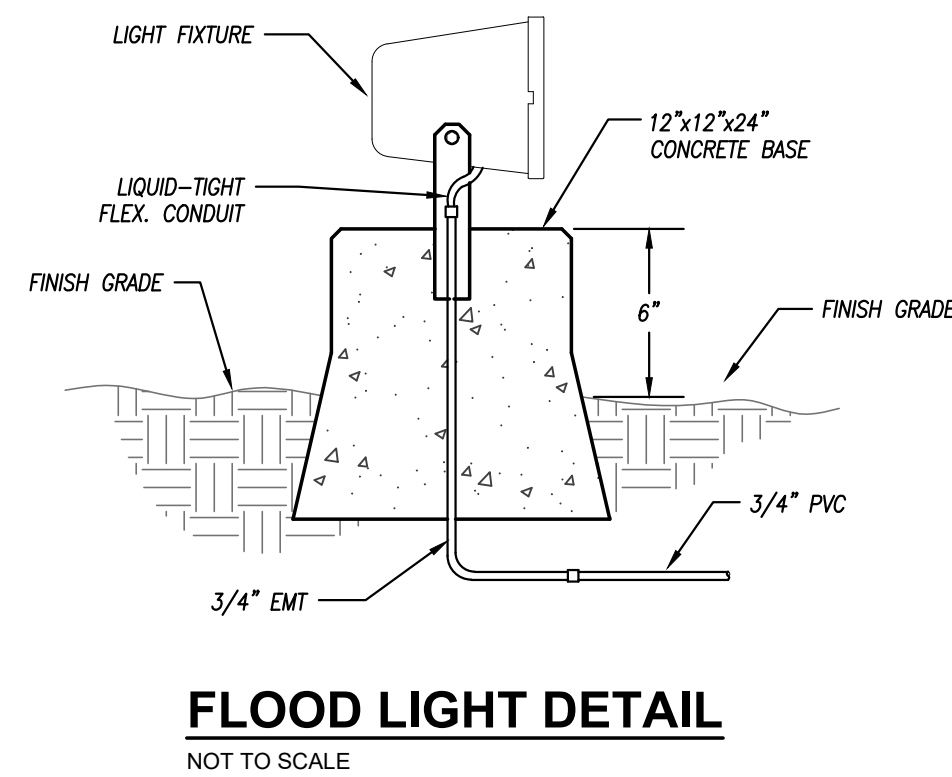
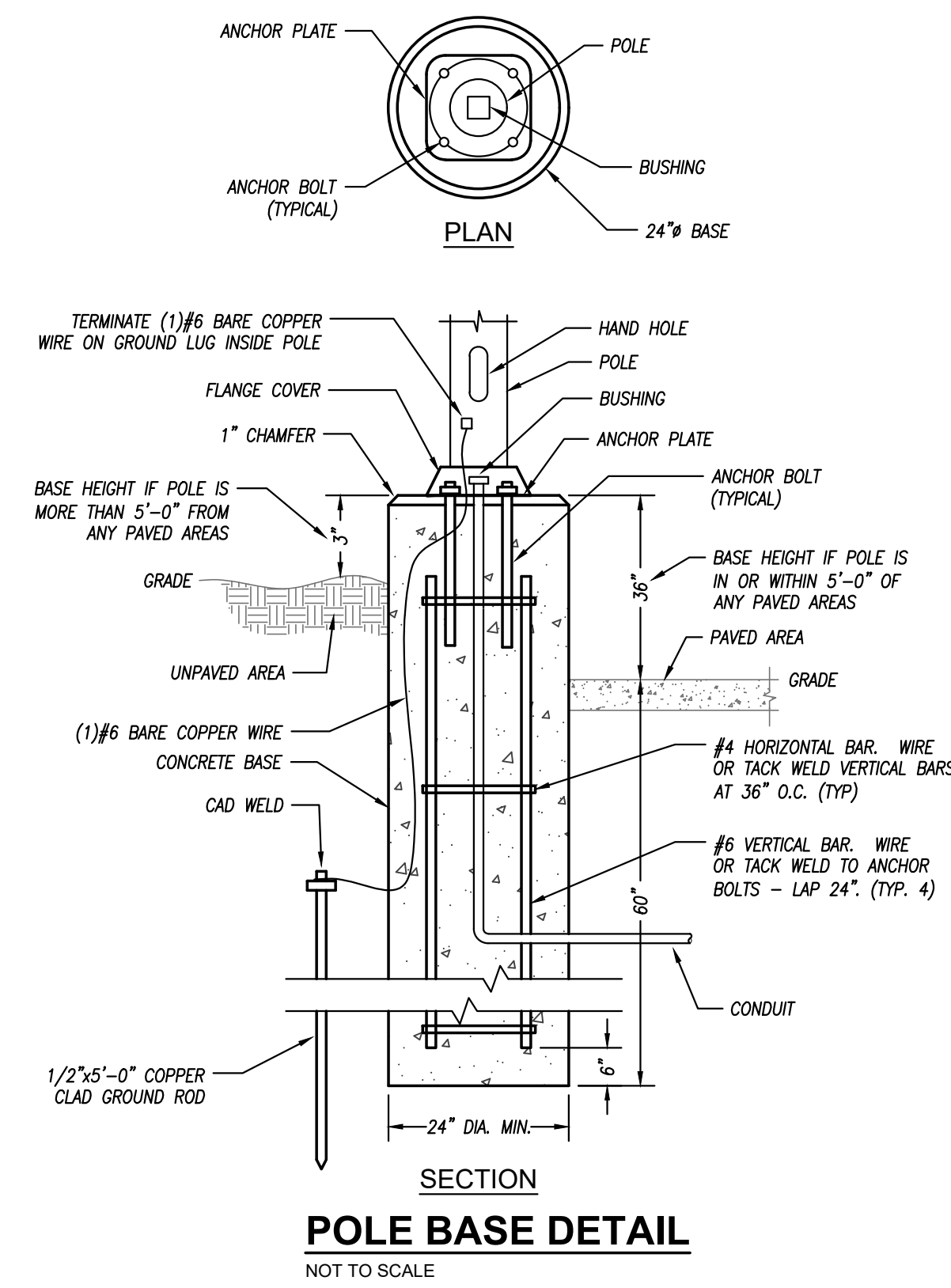
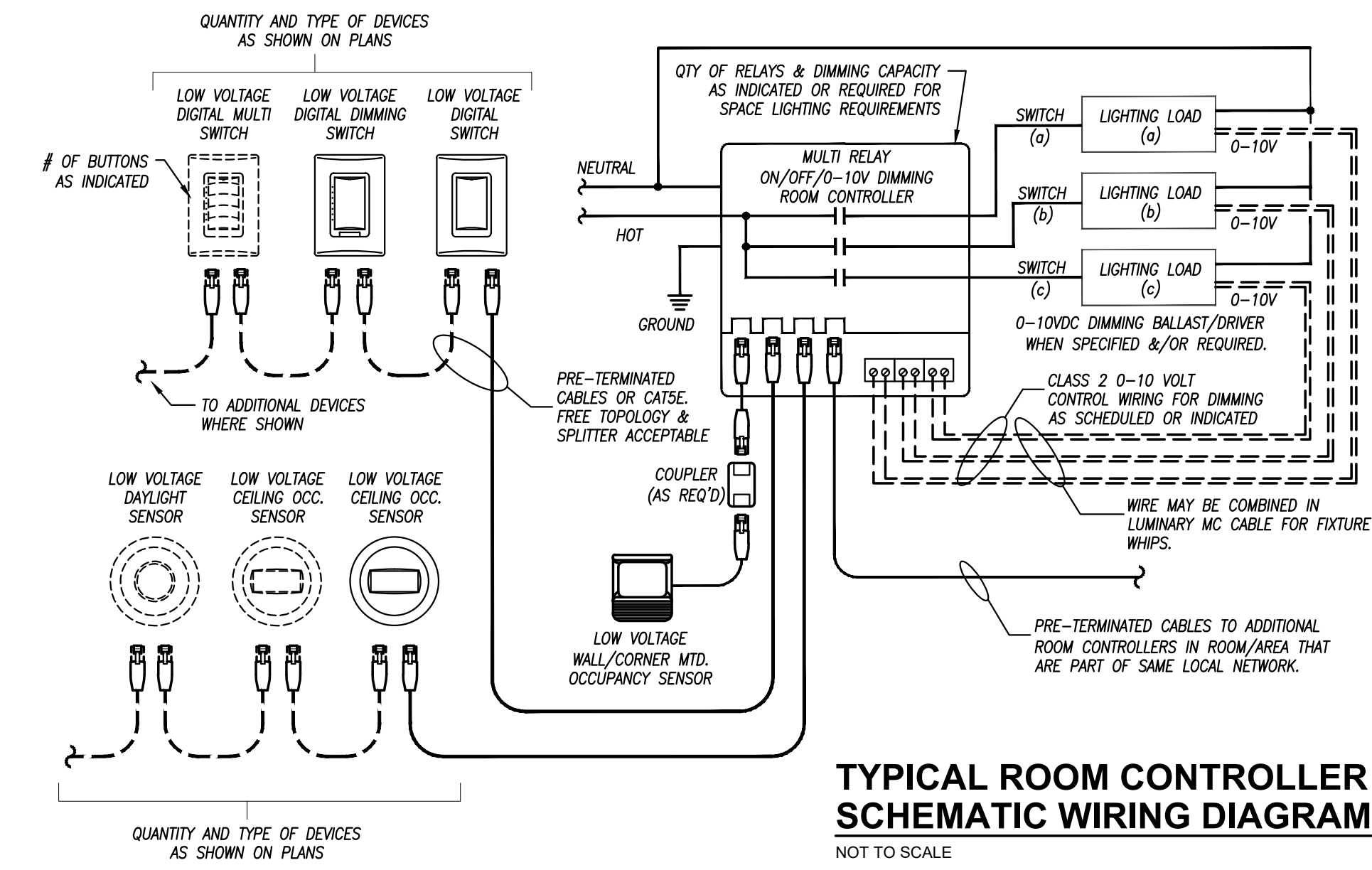
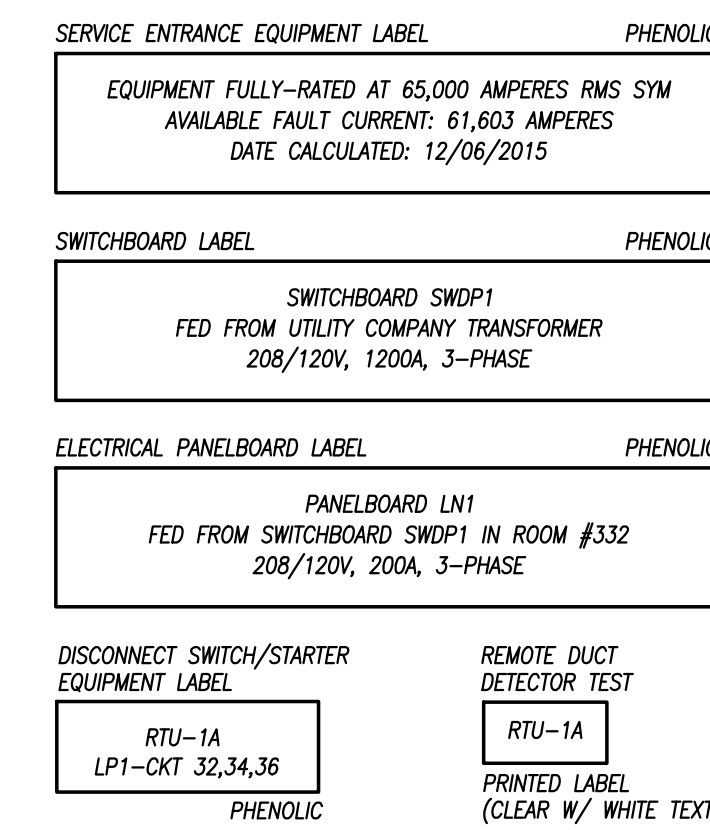
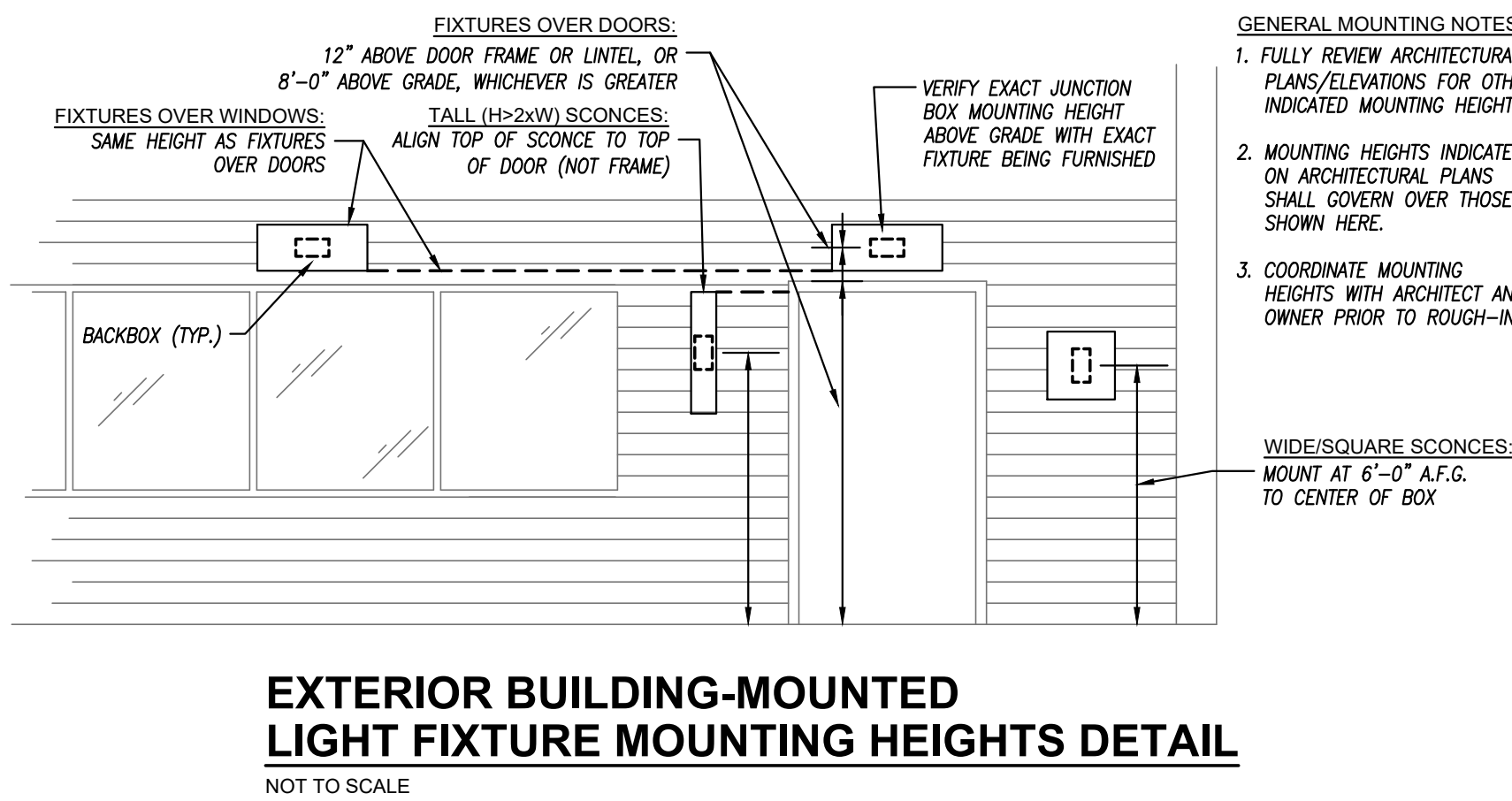
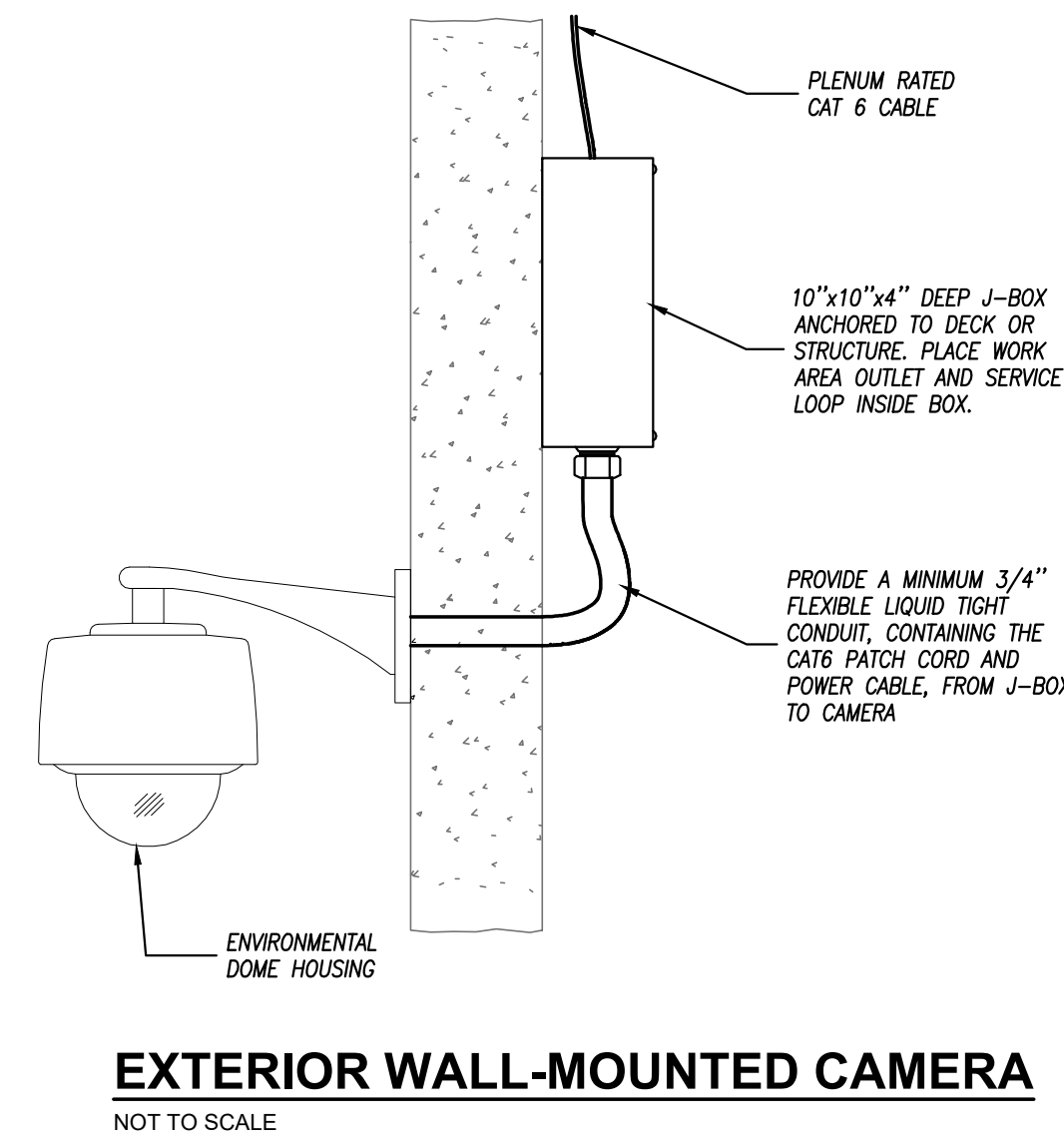


Table with columns: NO., DATE, DESCRIPTION. Includes a row for 1, 04/23/21, BID RELEASE.



D

C



B

A

