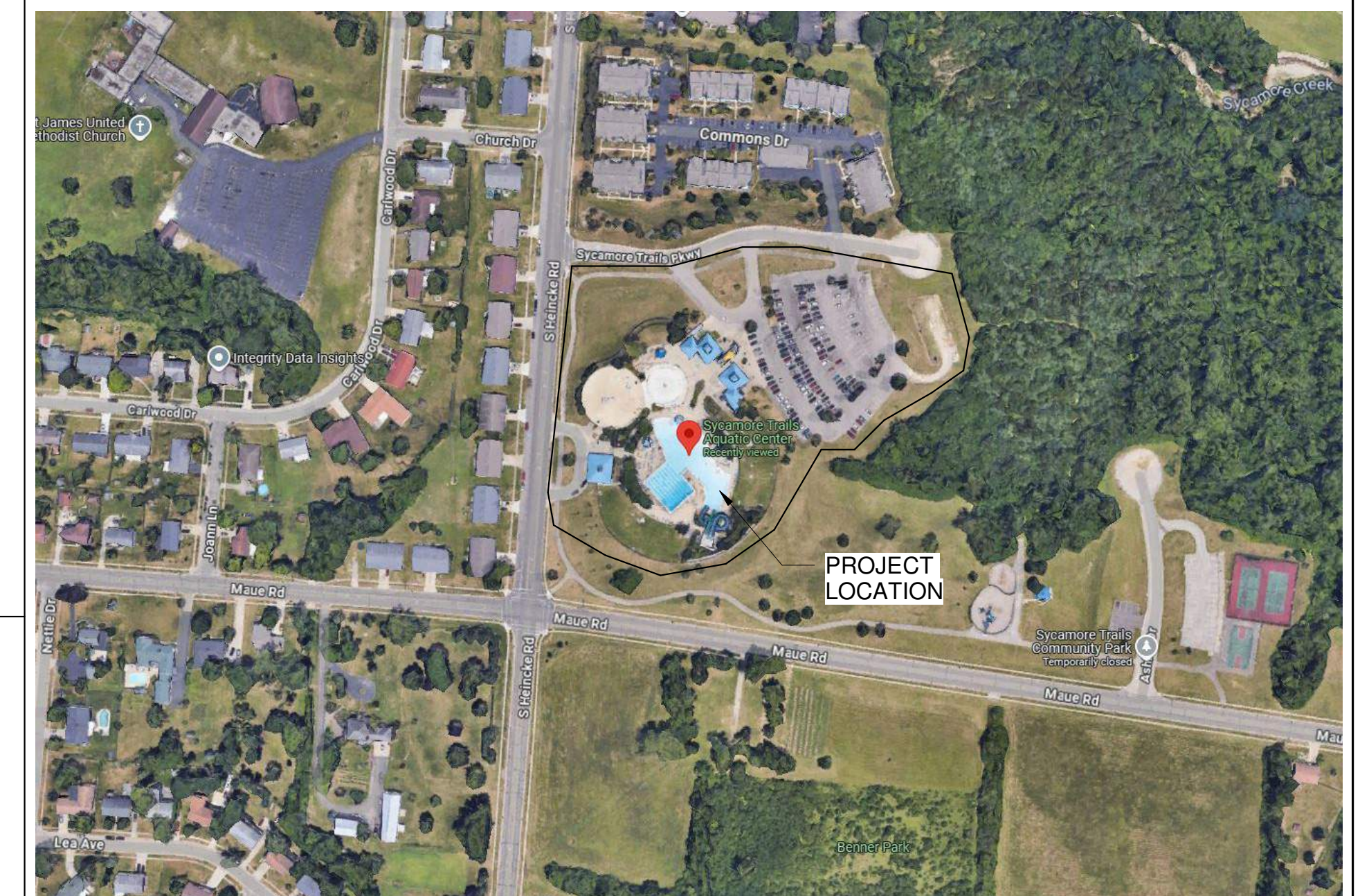




CITY OF MIAMISBURG SYCAMORE TRAILS AQUATIC CENTER MIAMISBURG, OHIO





VICINITY MAP



KEYMAP

ISSUED FOR CONSTRUCTION - JANURARY 17th, 2025
CONFORMED SET - MARCH 14th, 2025

ARCHITECT	CIVIL ENGINEER / LANDSCAPE ARCHITECTURE	STRUCTURAL ENGINEER	MEP ENGINEER	AQUATIC DESIGNER
 10 South Patterson Blvd. Dayton, OH 45402 Tel: 937.224.4474	 6219 Centre Park Drive West Chester, OH 45069 Tel: 513.779.7851	 537 East Pete Rose Way, Ste. 400 Cincinnati, OH 45202 Tel: 513.542.3300	 1400 West Dorothy Lane Dayton, OH 45409 Tel: 937.224.0861	 12851 Manchester Road, Suite 120 St. Louis, MO 63131 Tel: 314.894.1245

PROJECT CODE INFORMATION

SYCAMORE TRAILS AQUATIC CENTER
400 S Heincke Rd, Miamisburg, OH 45342

Building Code: All of the following references are to the 2024 Ohio Building Code (OBC)

Occupancy Classification: Main Changing Building - Mix-Use Non-Separated Assembly (A-3) & Business (B)
Pump House = Factory (F-2)

Construction Type: Non-Sprinklered (NS) 2B

This project is an interior fit-out of the existing building facilities on property with specific expansion additional for new program. The facilities are not increasing the daily usage numbers of the facility, just expanding on the programs offered. No new plumbing fixtures were added.

Allowable Building Height in Feet Above Grade (Table 504.3)
Actual Building height in Feet above grade

Allowable Stories above grade plane (Table 504.4)
Actual stories above grade plane

Allowable Building Area (Table 506.2)

Actual Building Area (footprint of building)

Frontage Increase Calculation (506.3.3)

Area Increase Calculation (506.2.4)

Construction Type 2B requires the following ratings: (Table 601)

Structural frame: 0 hrs
Bearing Walls: 0 hrs (both exterior and interior)
Non-Bearing Walls: 0
Floor Construction: 0 hrs
Roof Construction: 0 hr
Shaft Enclosures (Section 707): 1 hrs

Chapter 9
Automatic Sprinkler Systems (Section 903.2)
Section 903.2.1.3 A-3 & F-2
Actual Fire Area
Actual Fire Area

Maximum distance to travel of the fire extinguisher (Table 906.3) = 75 ft

Chapter 10
Occupant Load (Table 1004.1.1)

West Changing Building (A-3) By Individual Room Calc. = 33 occ
East Changing Building (A-3) By Individual Room Calc. = 81 occ
Pump Room (F-2) @ 300 sf = 2,875 / 300 = 10 occ
Total Enclosed Building Occupancy = 124 occ

Breezeway (A-3) @ 15 sf = 3,798 / 15 = 254 occ
Total Built Structure Occupancy = 378 occ

Pool Deck Occupancy set at 1100 occ based upon Max. Daily Usage

Exit Access Travel Distance (Table 1017.2)

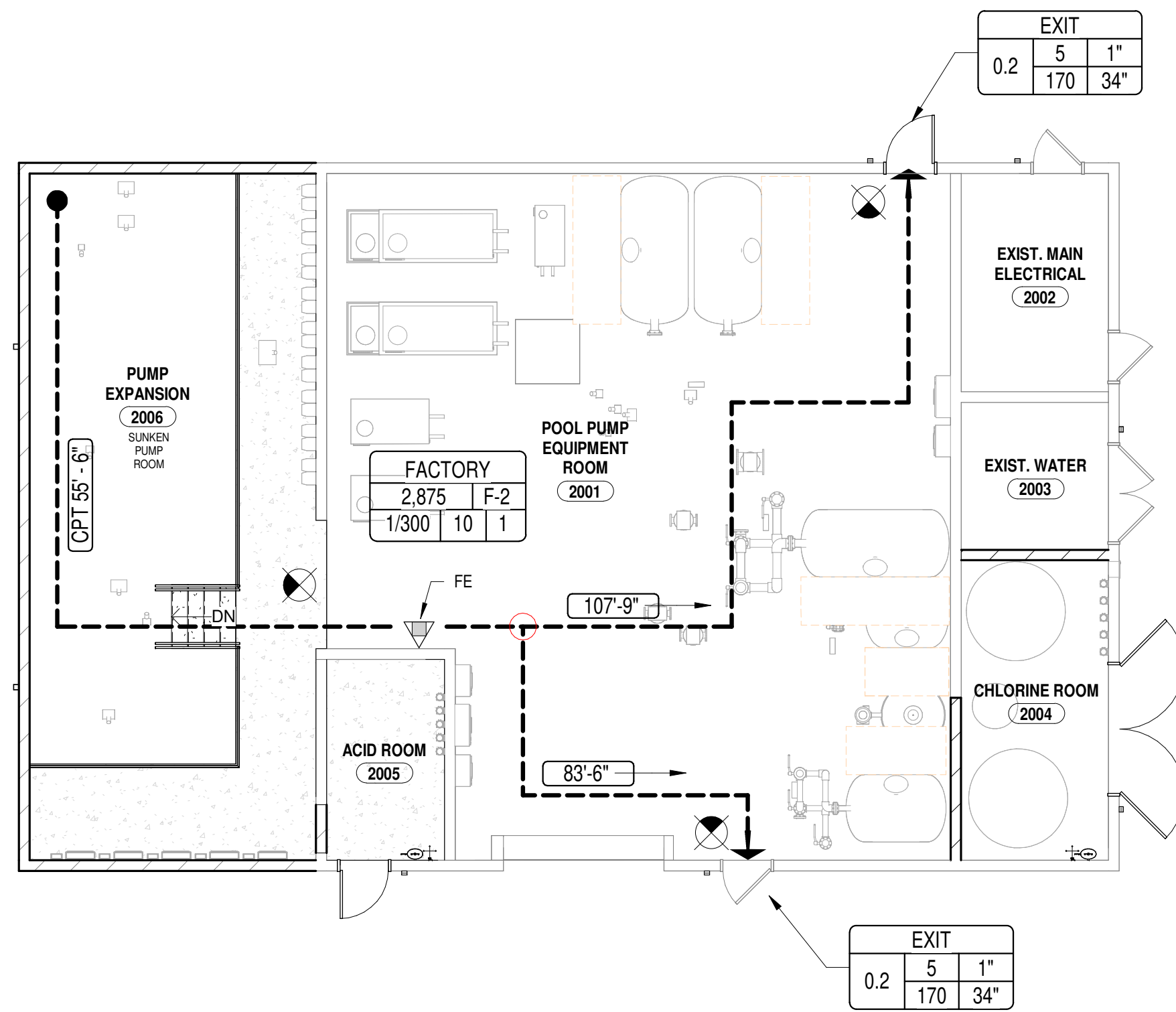
Dead End Corridor (Section 1020.5)

Means of Egress Door Width (Section 1010.1)

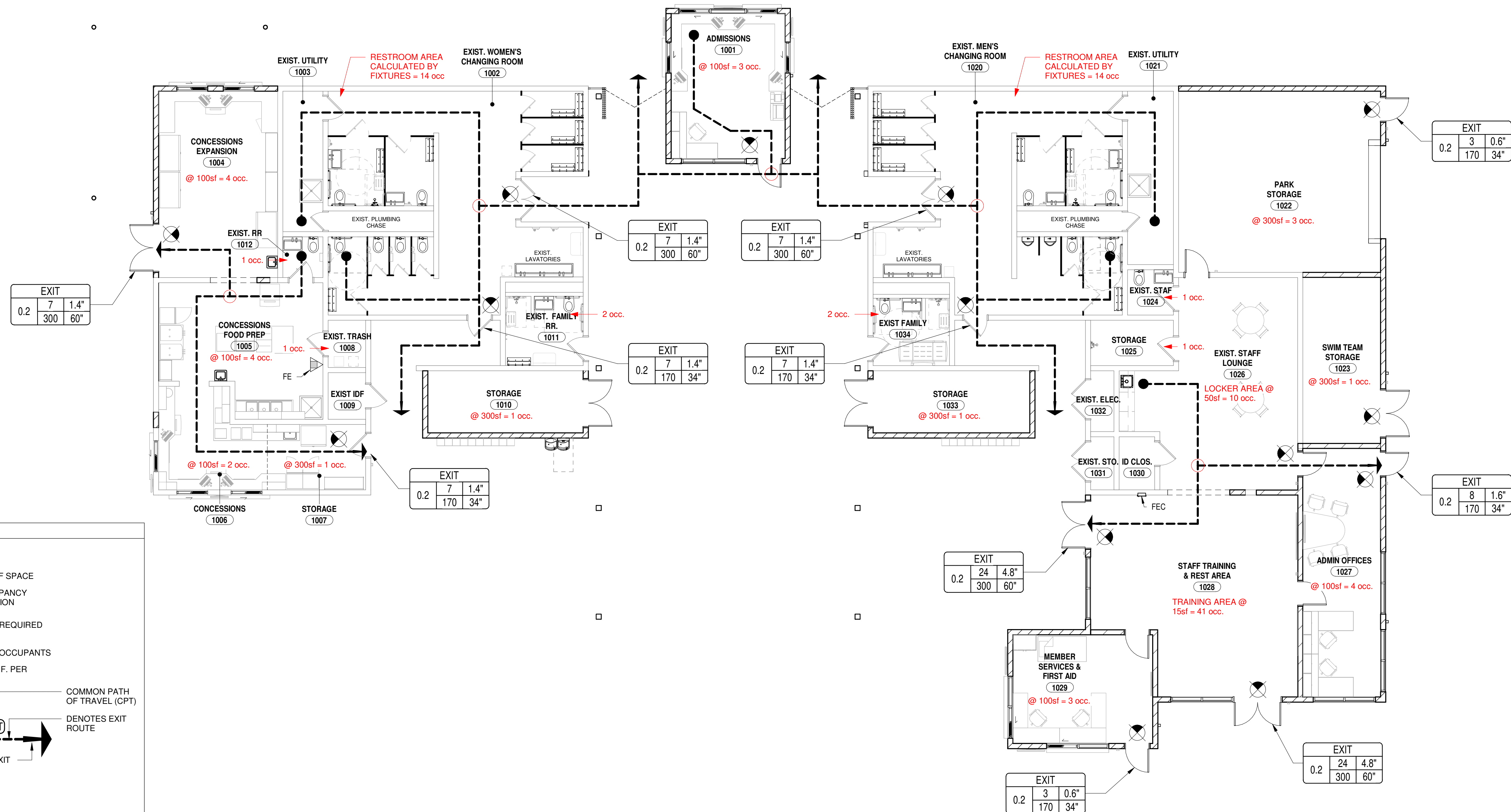
Number of Exits required per floor (Section 1006.3)
Actual Number of Exits - Building
Actual Number of Exits - Pool Deck

Chapter 11
Accessibility: Barrier-free design in accordance with ANSI 117.1 and the 2017 OBC.

Chapter 29
Plumbing Fixture Requirements Set by number of occupants on pool deck at 900 occupants.
This is based upon Maximum Daily Usage.

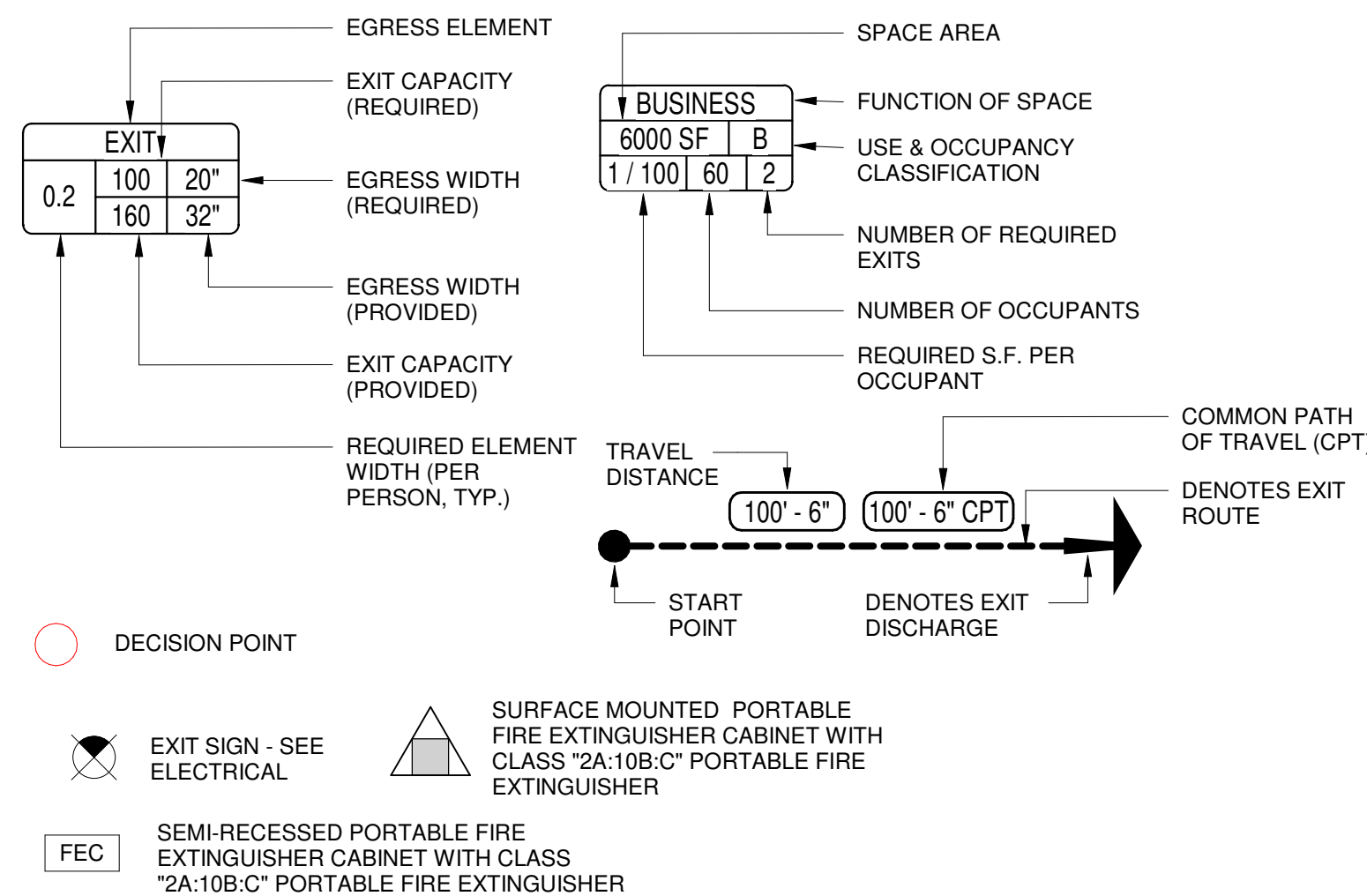


2 PUMP HOUSE - LIFE SAFETY PLAN
LS-101 1/8" = 1'-0"



1 CHANGE ROOM BUILDING - LIFE SAFETY PLAN
LS-101 1/8" = 1'-0"

LIFE SAFETY LEGEND



ISSUED FOR CONSTRUCTION



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Sycamore Trails Aquatic Center

400 S. Heincke Road
Miamisburg, 45342

ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By

CAS

Checked By

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Client

Number

948

Project

Number

7383

DRAWING TITLE

PROJECT CODE

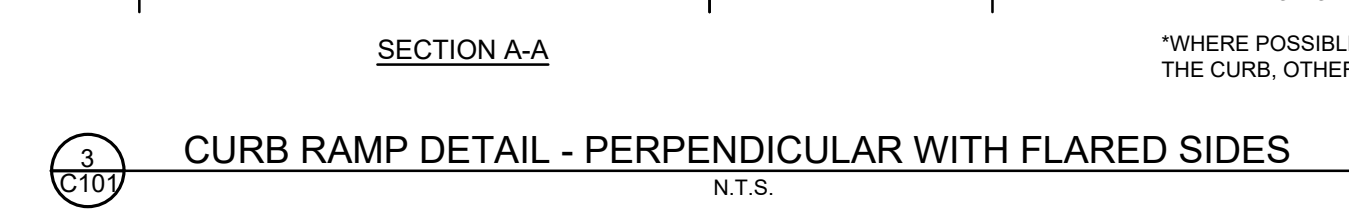
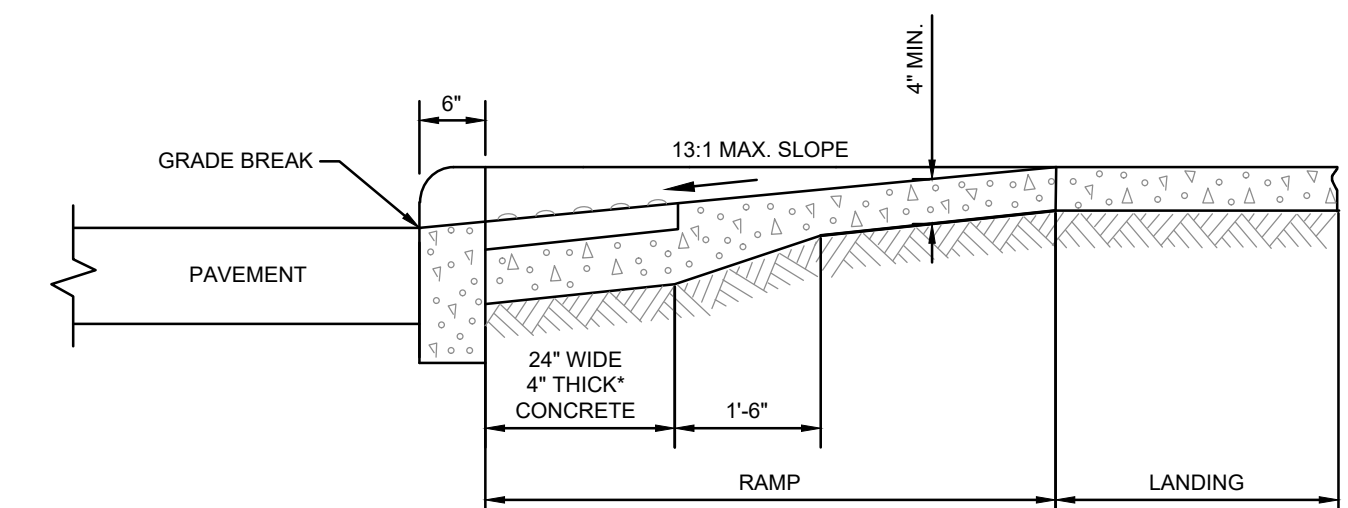
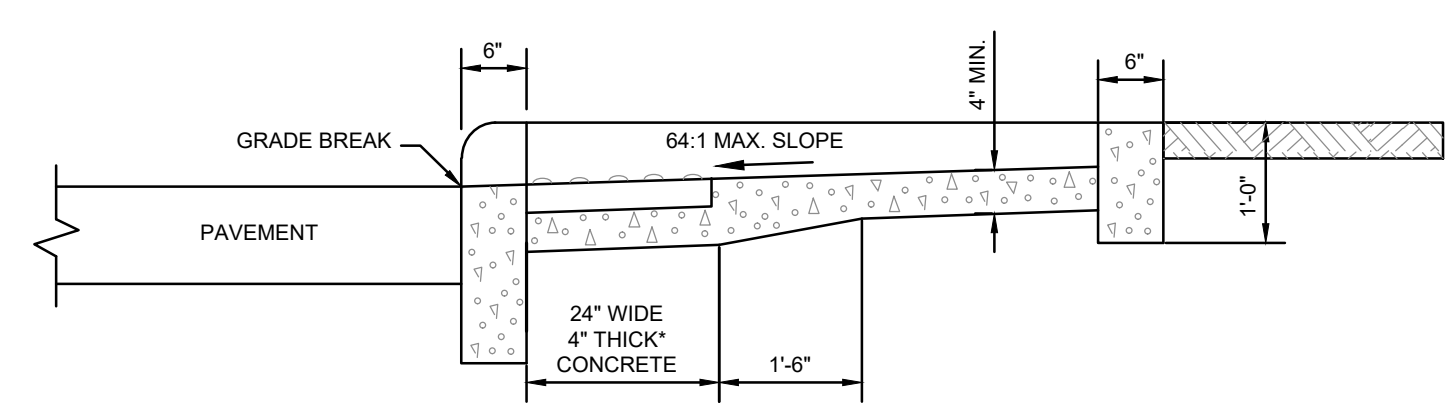
SUMMARY & LIFE

SAFETY PLANS

SHEET NO.

LS-101

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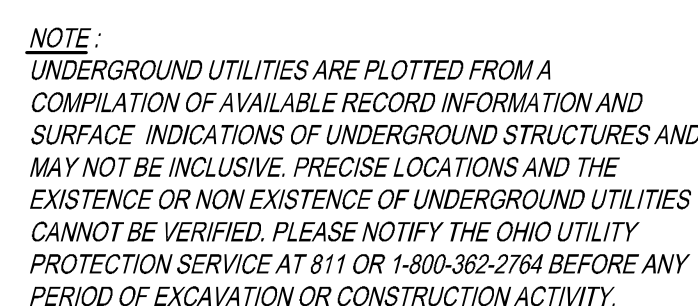


- NOTES:
1. WHILE RAMPS MAY BE SKEWED TO THE CROSSWALK, THE ENTIRE LOWER LANDING AREA MUST FALL WITHIN THE CROSS WALK THAT THE RAMP SERVES AND CANNOT BE LOCATED IN THE TRAVELED LANE OF OPPOSING TRAFFIC.
 2. THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE FOOT OF A CURB RAMP, LANDING, OR BLENDED TRANSITIONS SHALL BE 20:1 OR FLATTER.
 3. THE BOTTOM EDGE OF THE RAMP SHALL CHANGE PLANES PERPENDICULAR TO THE LANDING.
 4. THE EDGE OF THE CURB SHALL BE FLUSH WITH THE EDGE OF THE ADJACENT PAVEMENT AND GUTTER AND SURFACE SLOPES THAT MEET GRADE BREAKS SHALL ALSO BE FLUSH.
 5. RAMP LANDINGS SHALL BE 4' MIN. X 4' MIN. WITH A 64:1 OR FLATTER CROSS SLOPE AND RUNNING SLOPE.
 6. **DETECTABLE WARNINGS:** INSTALL DETECTABLE WARNINGS ON EACH CURB RAMP WITH APPROVED MATERIALS, AS SHOWN IN SEPARATE DETAIL. INSTALL THESE PROPERTY PRODUCTS AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
 7. **DRAINAGE:** CONTRACTOR IS TO ENSURE THE BASE OF EACH CONSTRUCTED CURB RAMP ALLOWS FOR PROPER DRAINAGE, WITHOUT EXCEEDING ALLOWABLE CROSS SLOPE OF THE SLOPES, VERTICAL CURVE OR LEVEL EXCEEDING $\frac{1}{4}$ " BETWEEN THE 1) PAVEMENT AND GUTTER, AND 2) GUTTER AND RAMP; ARE NOT ALLOWED.
 8. **SURFACE TEXTURE:** TEXTURE CONCRETE SURFACES BY COARSE BROOMING TRANSVERSE TO THE RAMP SLOPES TO BE ROUGHER THAN THE ADJACENT WALK.
 9. **JOINTS:** PROVIDE EXPANSION JOINTS IN THE CURB RAMP AS EXTENSIONS OF WALK JOINTS AND CONSISTENT WITH ITEM 608.03 REQUIREMENTS FOR A NEW CONCRETE WALK. PROVIDE 1/2" ITEM 705.03 EXPANSION JOINT FILL ABOVE THE EDGE OF RAMPS BUILT IN EXISTING CONCRETE WALKS. LINES SHOWN ON THIS DRAWING INDICATE THE RAMP EDGES AND SLOPE CHANGES, AND DO NOT NECESSARILY INDICATE JOINT LOCATIONS.

*WHERE POSSIBLE, POUR RAMP AREA INTEGRAL WITH THE CURB. OTHERWISE USE 6" THICK WALK.

- NOTES:**
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*WHERE POSSIBLE, POUR RAMP AREA INTEGRAL WITH THE CURB, OTHERWISE USE 6" THICK WALK.



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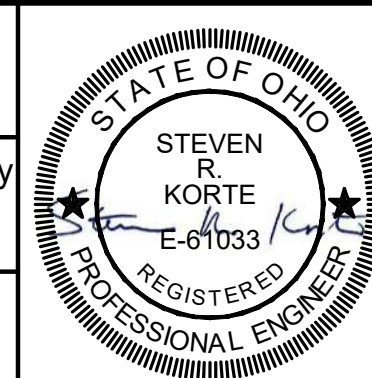
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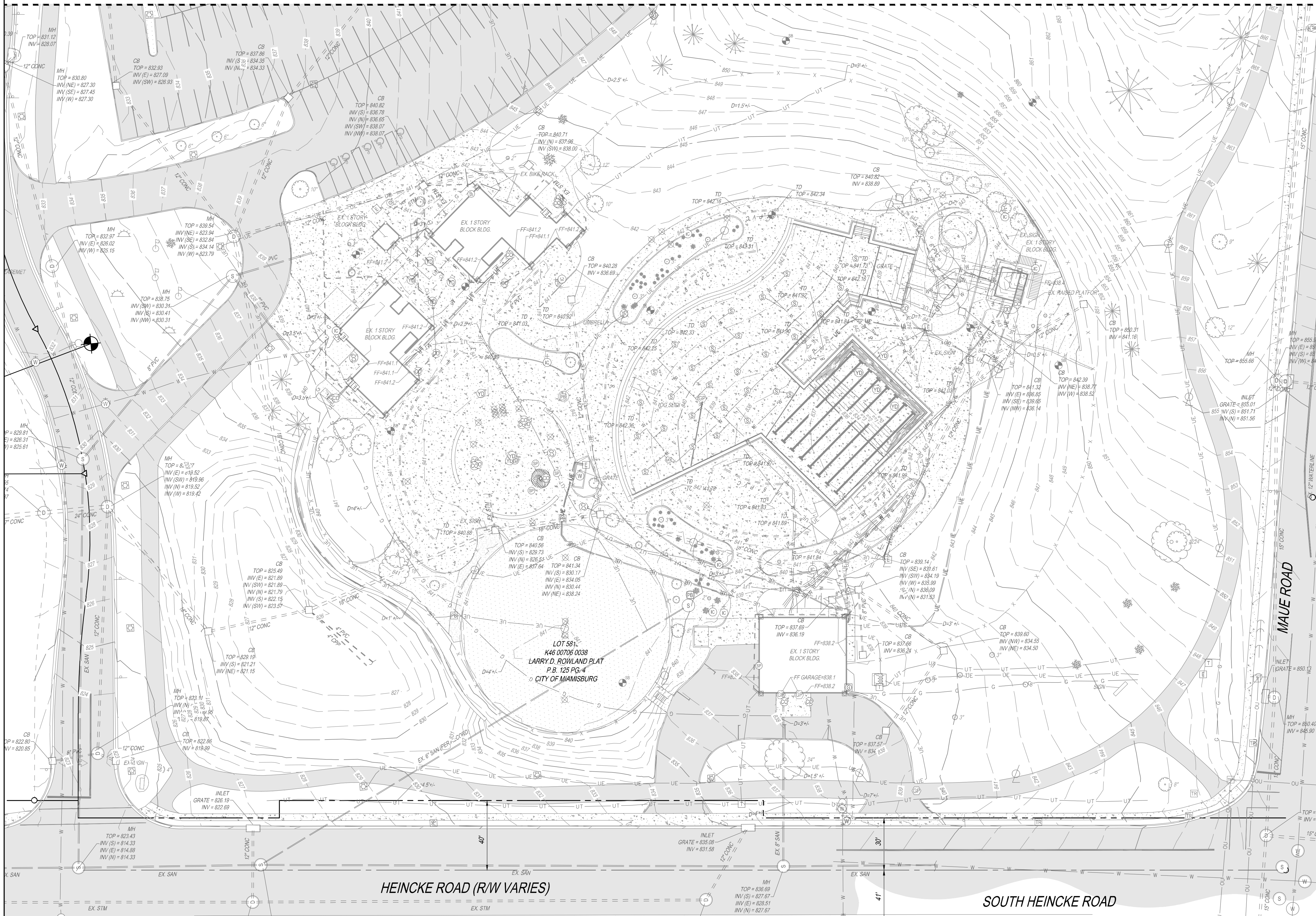
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DETAILS

SHEET NO.

C101

MATCHLINE. SEE SHEET C111



VICINITY MAP
N.T.S

LEGEND

- IRON PIN FOUND
- MAG NAIL FOUND
- CATCH BASIN
- DOWN SPOUT
- INLET
- YARD DRAIN
- STORM MANHOLE
- SANITARY MANHOLE
- CLEAN OUT
- AIR CONDITIONING UNIT
- ELECTRIC BOX
- GROUND LIGHT
- LIGHT POLE
- LIGHT POST
- PULL BOX
- FIRE HYDRANT
- IRRIGATION CONTROL VALVE
- WATER SPOUT
- WATER VALVE
- TELEPHONE BOX
- FLAG POLE
- GUARD POST
- FENCE POST
- SIGN (SINGLE POST)
- SIGN (DOUBLE POST)
- BUSH
- DECIDUOUS TREE
- CONIFEROUS TREE
- FENCE LINE
- TREE LINE
- HAND RAIL
- UNDERGROUND TELEPHONE
- UNDERGROUND UTILITY
- WATER LINE
- SANITARY SEWER
- STORM SEWER
- ASPHALT
- CONCRETE
- GRAVEL
- LANDSCAPING

NOTES:

- BEARINGS ARE BASED ON OHIO STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, AS DERIVED FROM THE OHIO DEPARTMENT OF TRANSPORTATION'S VIRTUAL REFERENCE STATIONING (VRS). (NAD '83 - 2011)
- ELEVATIONS ARE BASED ON NAVD '88, AS DERIVED FROM THE OHIO DEPARTMENT OF TRANSPORTATION'S VIRTUAL REFERENCE STATIONING (VRS).
- SITE BENCHMARK AS SHOWN HEREON.



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SURVEY BASEMAP

SHEET NO.

C110



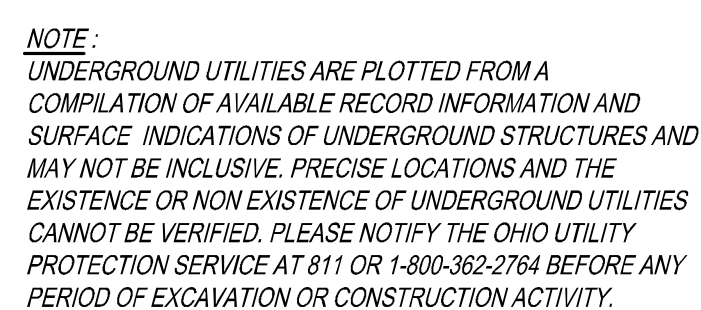
NOTE:
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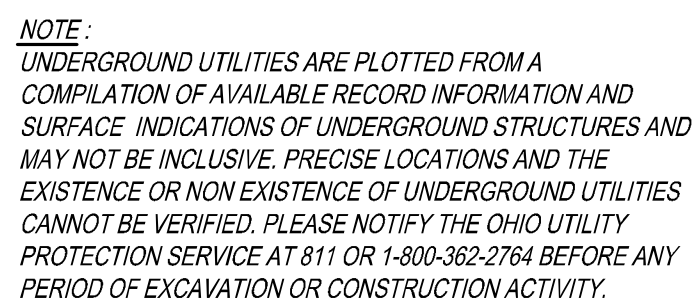
 REMOVE TREE
 REMOVE TREELINE/BRUSH TO EXTENTS SHOWN

- ① REMOVE CONCRETE CURB TO EXTENTS SHOWN
- ② REMOVE POOL WALL, GRATING, AND FOUNDATION COMPLETE. REFER TO POOL PLANS.
- ③ REMOVE HANDRAIL AND FOUNDATION COMPLETE
- ④ REMOVE STAIRS AND FOUNDATION COMPLETE
- ⑤ REMOVE POST AND FOUNDATION COMPLETE
- ⑥ REMOVE SIGN AND FOUNDATION COMPLETE
- ⑦ REMOVE SLIDE TOWER, SLIDES, SUPPORTS, AND FOUNDATIONS COMPLETE. REFER TO POOL PLANS.
- ⑧ REMOVE FENCE POST, MESH, AND FOUNDATION COMPLETE
- ⑨ REMOVE LIGHT POLE AND FOUNDATION COMPLETE. REFER TO ELECTRICAL PLANS.
- ⑩ REMOVE ELECTRICAL BOX. REFER TO ELECTRICAL PLANS.
- ⑪ REMOVE UMBRELLA AND FOUNDATION COMPLETE
- ⑫ REMOVE POOL GRATING. REFER TO POOL PLANS.
- ⑬ REMOVE DIVING BOARD AND FOUNDATION COMPLETE. REFER TO POOL PLANS.
- ⑭ REMOVE ALL SHRUBS AND PLANTINGS WITHIN LANDSCAPE BED
- ⑮ SPLASH PAD AND ASSOCIATED EQUIPMENT BOX TO REMAIN. PROTECT IN PLACE
- ⑯ REMOVE WATER LINES PER POOL PLANS
- ⑰ REMOVE STORM SEWER TO EXTENTS SHOWN
- ⑱ REMOVE STORM STRUCTURE
- ⑲ REMOVE POOL DRAIN. REFER TO POOL PLANS.
- ⑳ REMOVE IRRIGATION CONTROL VALVE
- ㉑ REMOVE SPRINKLER
- ㉒ SEAL COAT PARKING STRIPING FOR RELOCATED DUMPSTER
- ㉓ REMOVE EXISTING STRUCTURE AND FOUNDATION COMPLETE
- ㉔ REMOVE BIKE RACK
- ㉕ REMOVE DRAINAGE VAULT AND ASSOCIATED PIPING TO EXTENTS SHOWN. CAP AND ABANDON REMAINING PIPE.
- ㉖ PROTECT EXISTING WALL
- ㉗ REMOVE DUMPSTER ENCLOSURE
- ㉘ REMOVE CLEANOUT
- ㉙ REMOVE AIR CONDITIONING UNIT. REFER TO ELECTRICAL PLANS.
- ㉚ REMOVE UNDERGROUND ELECTRIC. REFER TO ELECTRICAL PLANS.
- ㉛ REMOVE GAS LINE FROM METER TO POOL BUILDING
- ㉜ REMOVE DOWNSPOUT. REPLACE PER ARCHITECTURAL PLANS.
- ㉝ REMOVE AND REPLACE SPLASH PAD DRAIN PIT. SEE POOL PLANS FOR DETAILS.
- ㉞ REMOVE AND REPLACE MANIFOLD PIT LID. REFER TO POOL PLANS FOR DETAILS.
- ㉟ REMOVE 4X4 POST
- ㊱ REMOVE GAS MANIFOLD. REFER TO PLUMBING PLANS.
- ㊲ REMOVE RAILING AND REPLACE PER LANDSCAPE PLANS.
- ㊳ REMOVE UNDERGROUND TELECOMMUNICATIONS TO EXTENTS SHOWN
- ㊴ STAIRS TO REMAIN. PROTECT IN PLACE
- ㊵ ABANDON UNDERGROUND TELECOMMUNICATION CONDUIT IN PLACE
- ㊶ STORM TO REMAIN IN PLACE TO EXTENTS SHOWN. LOCATION SHOWN FROM RECORD DRAWINGS. CONTRACTOR TO FIELD VERIFY.

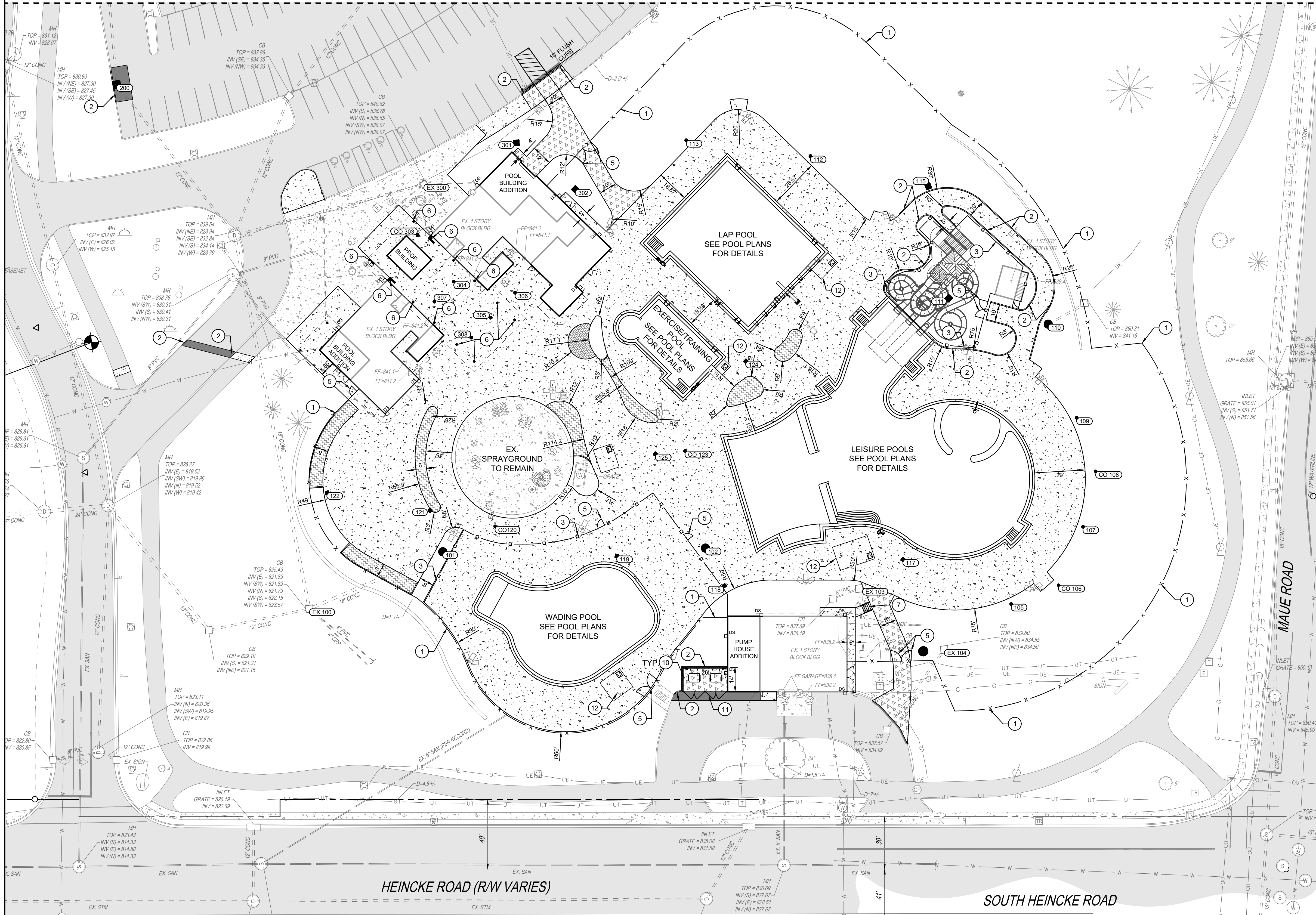
A. ALL BOLD ITEMS TO BE REMOVED

B. CONTRACTOR TO PROTECT ALL EXISTING UTILITIES SHOWN ON THIS PLAN UNLESS EXPLICITLY NOTED TO BE REMOVED OR REPLACED





MATCHLINE. SEE SHEET C131



PROPOSED LEGEND

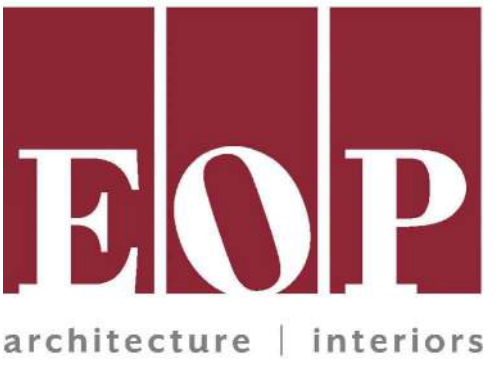
- (100) CATCH BASIN
- (100) CURB INLET
- (100) YARD DRAIN
- (100) MANHOLE
- °°°° STORM SEWER CLEANOUT
- DS DOWNSPOUT
- Light Pole: SEE ELECTRIC PLANS FOR DETAILS.
- STANDARD DUTY ASPHALT PAVEMENT PER DETAIL 1/C100
- LIGHT DUTY ASPHALT PAVEMENT PER DETAIL 2/C100
- HEAVY DUTY CONCRETE PAVEMENT PER DETAIL 3/C100
- CONCRETE WALK PER DETAIL 6/C100
- UNIT PAVERS. SEE LANDSCAPE PLANS FOR DETAILS.
- SYNTHETIC TURF. SEE LANDSCAPE PLANS FOR DETAILS.

LOCATION PLAN KEY NOTES

- 8' TALL VINYL COATED CHAIN LINK FENCE. SEE LANDSCAPE PLANS FOR DETAILS.
- BARRIER CURB PER DETAIL 4/C100
- 4' TALL ALUMINUM FENCE. SEE LANDSCAPE PLANS FOR DETAILS.
- 6' LONG, 1' WIDE PIANO-KEY STRIPED CROSSWALK, 3' O.C.
- GATE. SEE LANDSCAPE PLANS FOR DETAILS.
- COLUMN. REFER TO ARCHITECTURAL PLANS.
- STAIRS AND HANDRAIL PER DETAIL 10/C100
- TIE PROPOSED WALKING PATH TO EXISTING BRICK PAVERS
- ACCESSIBLE PARKING SIGN PER DETAIL 5/C100
- PIPE BOLLARD PER DETAIL 13/C100
- DUMPSTER ENCLOSURE. SEE LANDSCAPE PLANS FOR DETAILS.
- SURGE TANK. REFER TO POOL PLANS.
- CONCRETE WHEEL STOP PER DETAIL 1/C101
- CURB RAMP. PERPENDICULAR WITH FLARED SIDES PER DETAIL 3/C101
- CURB RAMP - DOUBLE SIDED PARALLEL PER DETAIL 2/C100

LOCATION PLAN GENERAL NOTES

- ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT AND/OR BACK OF CURB UNLESS OTHERWISE NOTED
- ALL STANDARD PARKING SPACES ARE TO BE 9.5X18 UNLESS OTHERWISE NOTED
- PARKING LOT STRIPING SHALL BE 4" WIDE HIGHWAY-TYPE APPLIED IN ACCORDANCE WITH THE PLAN
- ALL RADII TO BE 5' UNLESS OTHERWISE NOTED



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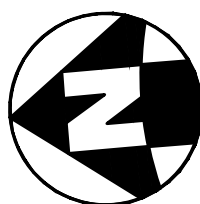
LOCATION PLAN

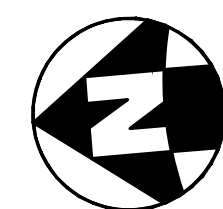
SHEET NO.

C130



NOTE:
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 LIGHT POLE. SEE ELECTRIC PLANS FOR DETAILS.

 STM

 STORM SEWER PIPE

 TRENCH DRAIN. SEE KEYNOTES 8 & 9 THIS SHEET

 PERFORATED UNDER DRAIN. SEE KEYNOTES 16 & 17 THIS SHEET

 100
CATCH BASIN

 100
CURB INLET

 100
YARD DRAIN. SEE KEYNOTES 10, 11, & 12 THIS SHEET

 100
MANHOLE

 00
STORM SEWER CLEANOUT

 DS
DOWNSPOUT. INSTALL WITH BOOT PER ARCHITECTURAL PLANS. COORDINATE DOWNSPOUT LOCATIONS WITH ARCHITECTURAL PLANS. CONTRACTOR IS RESPONSIBLE FOR CONNECTING ALL NEW AND REPLACED DOWNSPOUTS TO EXISTING OR PROPOSED COLLECTOR PIPES. EXISTING DOWNSPOUT COLLECTORS SHOWN FROM RECORDS. CONTRACTOR TO FIELD VERIFY LOCATION.

- ① CONNECT EXISTING STORM PIPE TO PROPOSED STORM STRUCTURE
- ② CONNECT PROPOSED STORM PIPE TO EXISTING STORM STRUCTURE
- ③ CONTECH CS-5 HYDRODYNAMIC SEPARATOR WITH SOLID LID FOR WATER QUALITY TREATMENT
- ④ RAISE GRATE TO PROPOSED GRADE
- ⑤ REMOVE EXISTING GRATE AND ADD RISER WITH WINDOW PER DETAIL 11/C100
- ⑥ CONTECH CS-6 HYDRODYNAMIC SEPARATOR WITH GRATE FOR WATER QUALITY TREATMENT
- ⑦ PROPOSED GAS. SEE PLUMBING PLANS FOR CONTINUATION.
- ⑧ 6", FLAT BOTTOM TRENCH DRAIN WITH PLASTIC, ADA COMPLIANT AND HEEL-PROOF GRATE. DURACAST PRECAST TRENCH DRAIN OR APPROVED EQUAL INSTALLED PER MANUFACTURERS SPECIFICATIONS.
- ⑨ 6", SLOPED BOTTOM DRAIN WITH PLASTIC, ADA COMPLIANT AND HEEL-PROOF GRATE. SLOPE AS INDICATED BY ARROWS ON PLAN. DURACAST PRECAST TRENCH DRAIN OR APPROVED EQUAL INSTALLED PER MANUFACTURERS SPECIFICATIONS.
- ⑩ 6" ROUND, PLASTIC, ADA COMPLIANT AND HEEL-PROOF GRATE
- ⑪ 15" DUCTILE OR CAST IRON DOMED GRATE
- ⑫ 12" SQUARE, PLASTIC, ADA COMPLIANT AND HEEL-PROOF GRATE
- ⑬ REROUTE 4" DOWNSPOUT COLLECTOR AROUND PROPOSED BUILDING ADDITION AS SHOWN. EXISTING DOWNSPOUT COLLECTOR SHOWN FROM RECORD DRAWINGS. CONTRACTOR TO FIELD VERIFY LOCATION.
- ⑭ LOCATION OF ANTICIPATED CROSSING WITH POOL PLUMBING. REFER TO POOL PLANS FOR PIPE LOCATIONS AND DEPTHS. MAINTAIN 18" MIN. VERTICAL CLEARANCE BETWEEN STORM AND POOL PLUMBING.
- ⑮ 6" FRENCH DRAIN PER DETAIL 4/C101
- ⑯ 4" PERFORATED UNDER DRAIN. SEE LANDSCAPE PLANS FOR DETAILS.
- ⑰ 6" PERFORATED DUAL WALL HDPE UNDER DRAIN. BACKFILL PER THE DRAINAGE COURSE PER EARTH MOVEMENT SPECIFICATION. SEE POOL STRUCTURAL PLANS FOR ADDITIONAL INFORMATION. CONNECT TO PROPOSED STORM STRUCTURE 101 AT 0.5% MIN. SLOPE
- ⑱ CONNECT FOUNDATION DRAIN TO PROPOSED STORM. SEE ARCHITECTURAL PLANS FOR FOUNDATION DRAIN DETAILS.
- ⑲ CONNECT 3" STORM LINE FROM BUILDING TO EXISTING CLEANOUT. SEE PLUMBING PLANS FOR CONTINUATION

- A. ALL STORM STRUCTURES SET IN PAVEMENT TO BE INSTALLED WITH FINGER DRAINS PER DETAIL 7/C100
- B. ALL CLEANOUTS TO BE INSTALLED PER DETAIL 8/C100
- C. CONTRACTOR SHALL SCHEDULE UNDERGROUND UTILITY COORDINATION MEETING PRIOR TO INSTALLATION OF SITE UTILITIES

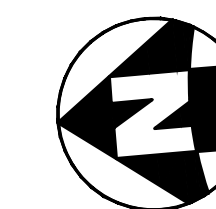
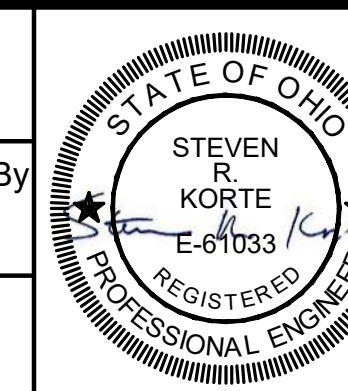
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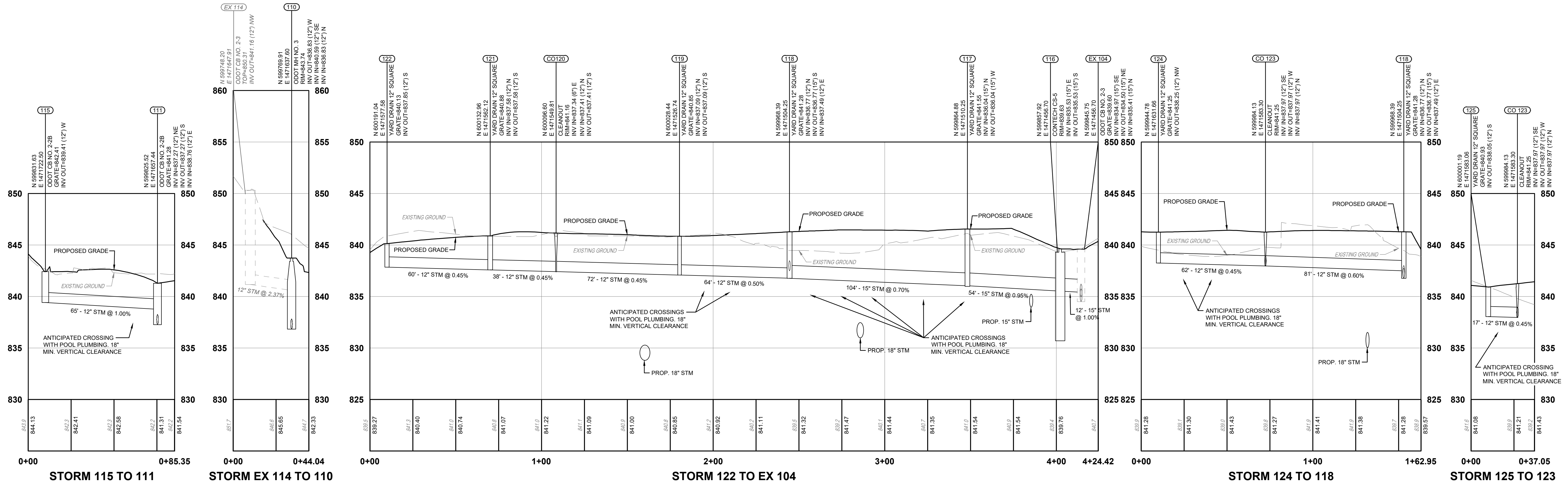
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UTILITY PLAN

C140







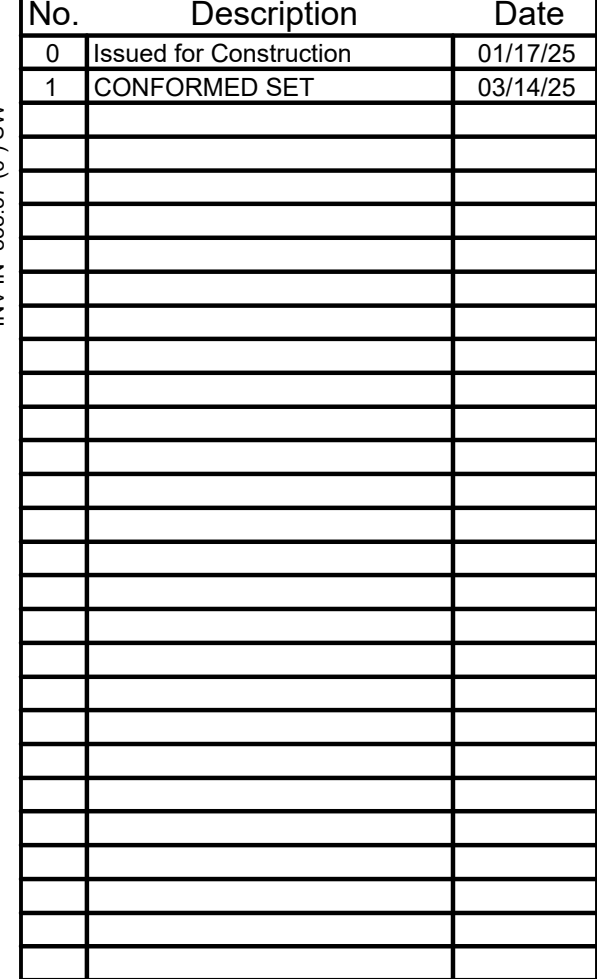
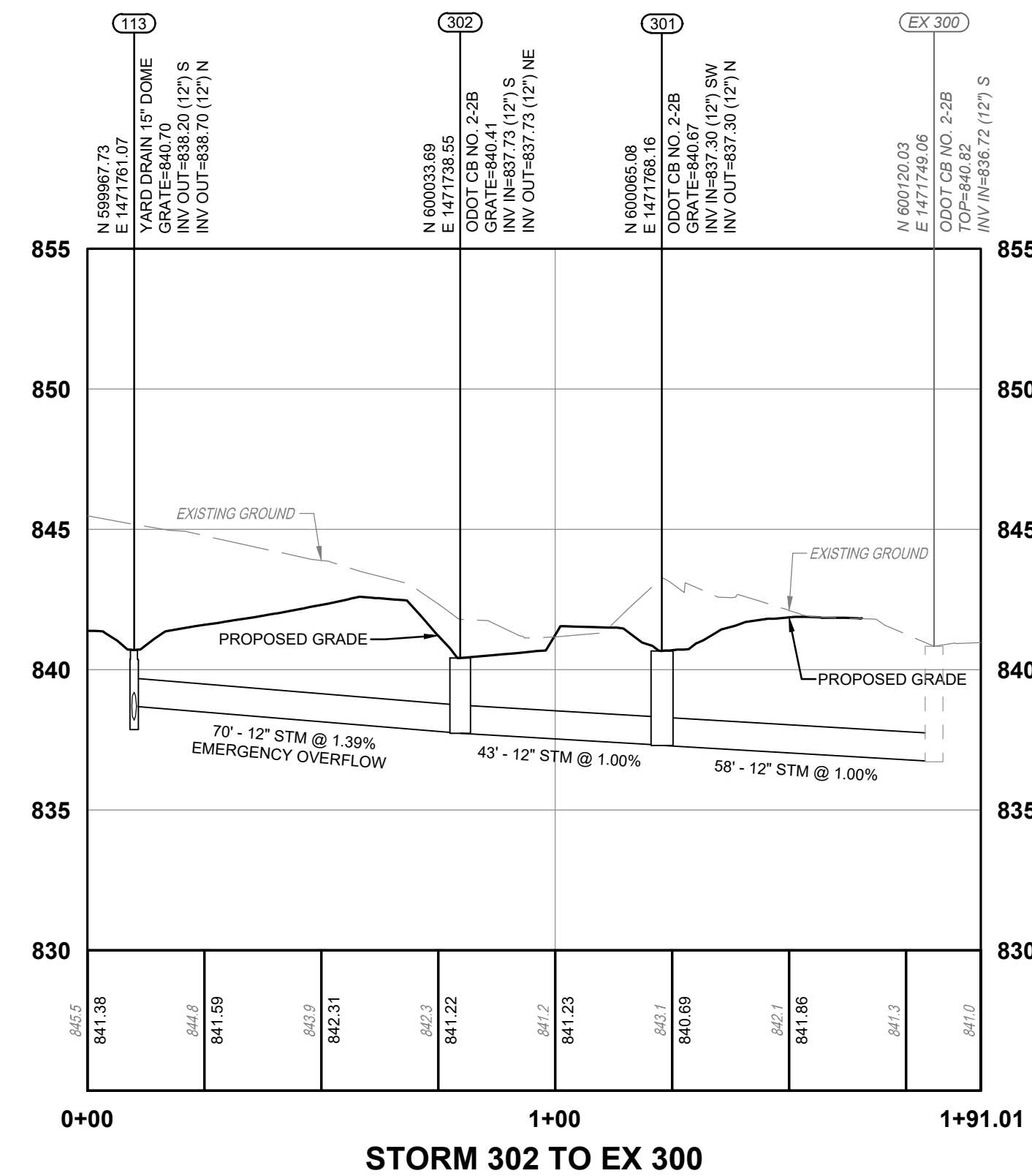
Number of Children (H)	Number of Vehicles (V)
15	2.5
30	5
60	10



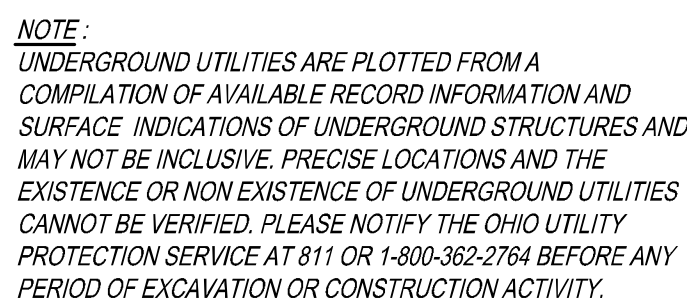
Drawn By	
Checked By	
Client Number	
Project Number	

SHEET NO.

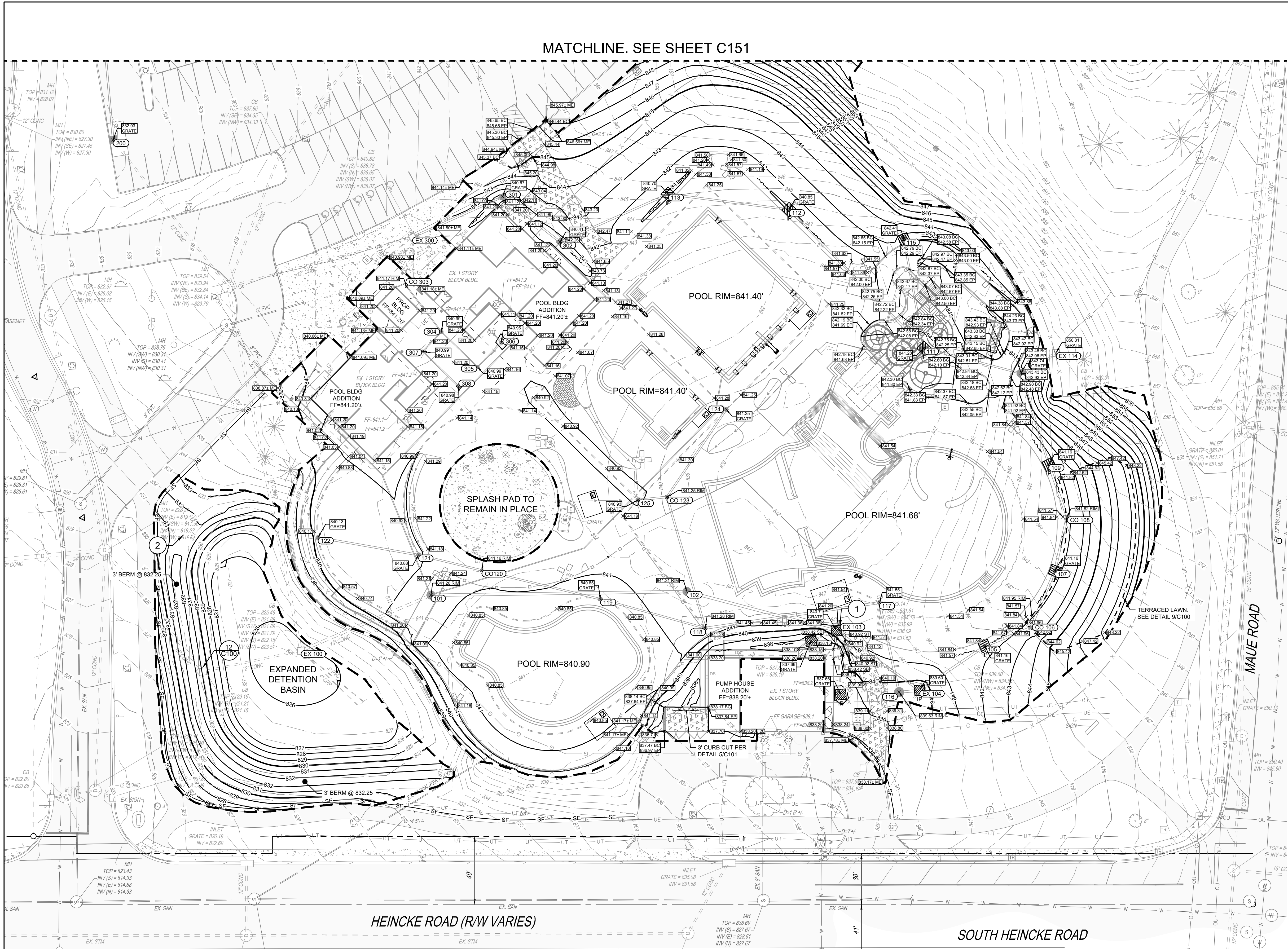
C142



DRAWING TITLE
UTILITY PROFILES
SHEET NO.
C143



H:\2025\20250701\000_DWG_Sheet\20250701\000.DWG, 3/13/2025 1:42 PM, Katie Emmert



MATCHLINE. SEE SHEET C151

GRADING LEGEND

- 1215 EXISTING MAJOR CONTOUR
- 1216 EXISTING MINOR CONTOUR
- 1215 PROPOSED MAJOR CONTOUR
- 1216 PROPOSED MINOR CONTOUR
- 1215.00 PROPOSED SPOT ELEVATION
- PROPOSED SWALE
- 100-YEAR FLOOD ROUTE

SPOT ELEVATION LEGEND

- 1215.00 FINISHED GRADE ELEVATION
- 1215.00 BC BACK OF CURB ELEVATION
- 1215.00 EP EDGE OF PAVEMENT ELEVATION
- 1215.00 SB BOTTOM OF STAIR ELEVATION
- 1215.00 ST TOP OF STAIR ELEVATION
- 1215.00 RIM MANHOLE / CLEANOUT RIM ELEVATION
- 1215.00 TC STORM INLET TOP OF CASTING ELEVATION
- 1215.00 GRATE CATCH BASIN GRATE ELEVATION
- 1215.00 ME MEET EXISTING GRADE

PROPOSED EROSION CONTROL LEGEND

- IP INLET PROTECTION PER DETAIL 3/C161
- SF SILT FENCE PER DETAIL 4/C161
- CWO CONCRETE WASHOUT PER DETAIL 1/C161. COORDINATE LOCATION WITH CONSTRUCTION MANAGER.
- CONSTRUCTION ENTRANCE PER DETAIL 2/C161. COORDINATE LOCATION WITH CONSTRUCTION MANAGER.
- ODOT TYPE B TEMPORARY EROSION CONTROL MAT PER DETAIL 5/C161
- LIMITS OF DISTURBANCE

GRADING PLAN KEY NOTES

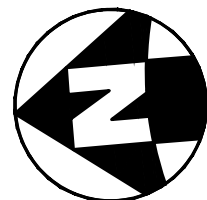
- ADJUST GRATE TO PROPOSED GARDE
- EMERGENCY SPILLWAY PER DETAIL 11/C100

GRADING PLAN GENERAL NOTES

- A. EXCESS SOIL MATERIAL SHALL BE HAULED TO BENNER PARK IN COORDINATION WITH THE CITY OF MIAMISBURG. THE CONTRACTOR IS RESPONSIBLE FOR SHAPING EXCESS MATERIAL AND SEEDING AND STRAWING PER SPECIFICATIONS.



NOTE:
UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.



10 S Patterson Blvd
Dayton, OH 45402
T 937.224.4474



ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By

Checked By

Client
Number

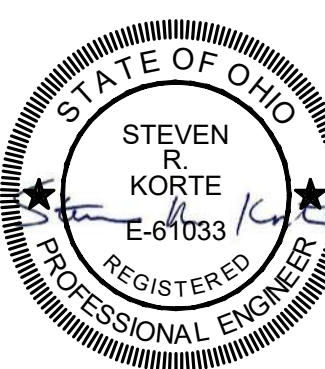
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Number

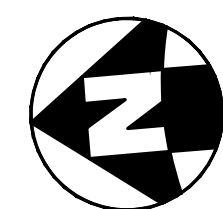
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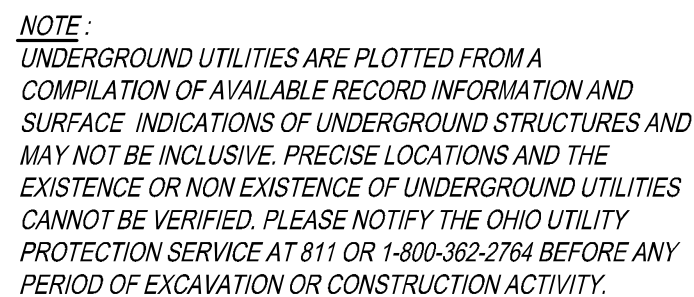
GRADING PLAN

SHEET NO.

C150







1. ALL JOINTS TO BE 90° UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR TO STAKE ALL SITE ELEMENTS WITH ELEVATIONS IN THE FIELD AND NOTIFY THE OWNER/LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION. ANY DAMAGE TO UTILITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. A DIGITAL FILE IN AUTOCAD FORMAT WILL BE PROVIDED UPON REQUEST TO THE CONTRACTOR FOR DIMENSIONS AND LAYOUT.

1-3
L300

1-4
L301

6
L302

8
L302

7
L302

1
L302

5
L302

2
L302

3
L302

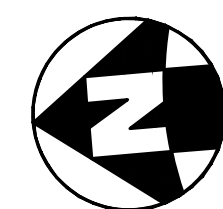
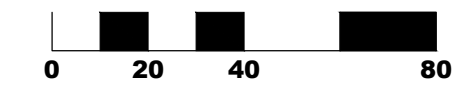
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L303

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L303

4
L302

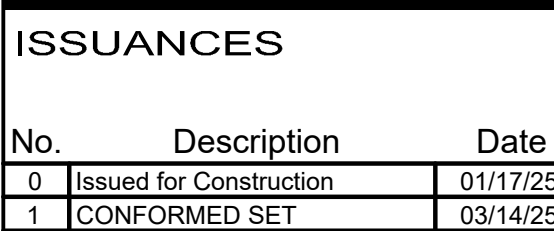
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L303

4
L303



NOTE:
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COMPILATION OF AVAILABLE RECORD INFORMATION AND
SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND
MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE
EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES
CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY
PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY
PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

- LAYOUT NOTES:
1. ALL JOINTS TO BE 90° UNLESS OTHERWISE NOTED.
 2. THE CONTRACTOR TO STAKE ALL SITE ELEMENTS WITH ELEVATIONS IN THE FIELD AND NOTIFY THE OWNER/LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION. ANY DAMAGE TO UTILITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 4. A DIGITAL FILE IN AUTOCAD FORMAT WILL BE PROVIDED UPON REQUEST TO THE CONTRACTOR FOR DIMENSIONS AND LAYOUT.
 5. EXPANSION JOINT LOCATIONS ARE NOT COMPREHENSIVE. SUBMIT JOINTING PLAN.

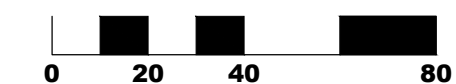
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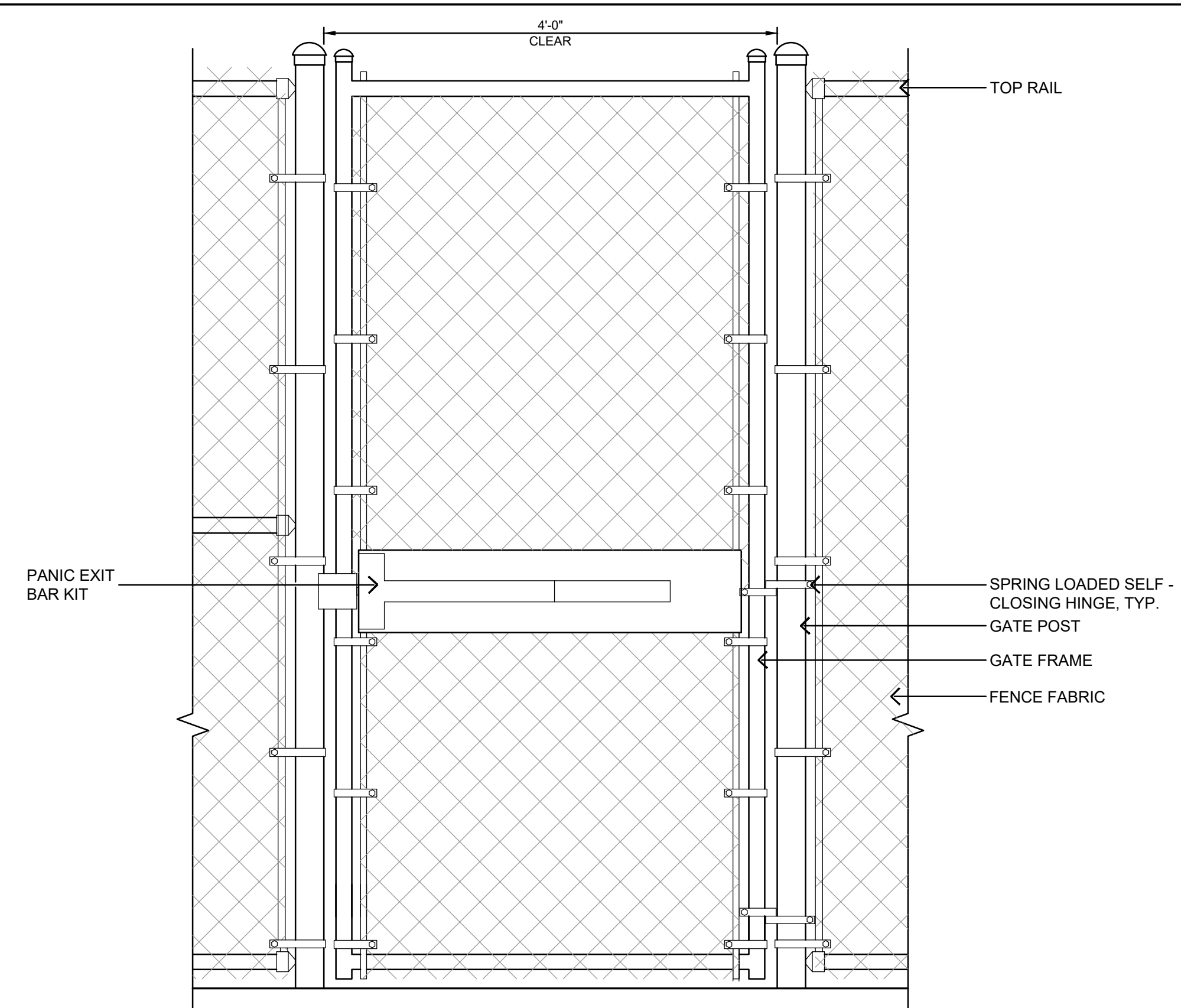
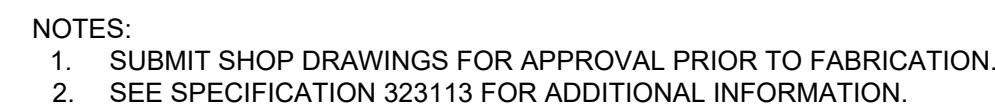
L102



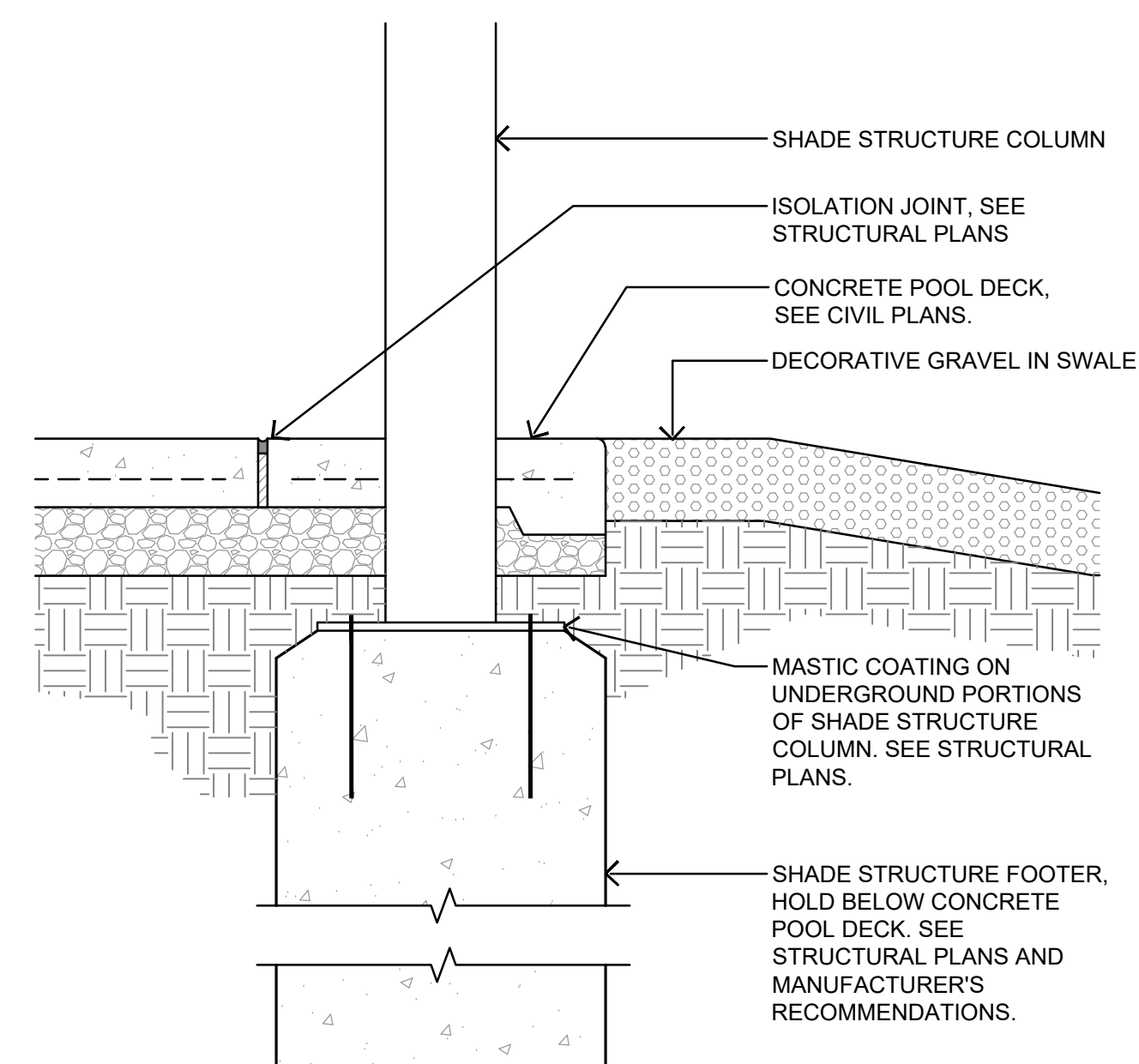
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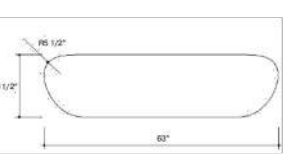
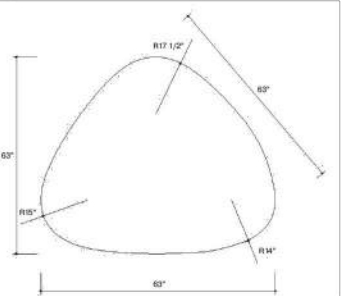
- NOTES:
1. PROVIDE WEATHERIZED DELAYED EGRESS PANIC HARDWARE INCLUDING 15-SECOND DELAY, AUDIBLE ALARM SYSTEM, AND CODE COMPLIANT EGRESS SIGNAGE. ENSURE CHAIN LINK PANEL IS EXTENDED 2' ON EITHER SIDE OF GATE TO PREVENT ACCESS. INSTALL PER MANUFACTURERS RECOMMENDATION. SUBMIT SHOP DRAWINGS AND PRODUCT DATA FOR APPROVAL.
 2. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.
 3. SEE SPECIFICATION 323113 FOR ADDITIONAL INFORMATION.



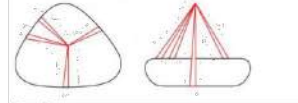
- NOTES:
1. PROVIDE SIGNED AND STAMPED DRAWINGS FROM STRUCTURAL ENGINEER
 2. SEE SPECIFICATION SECTION 133123

GALET II BENCH

Shape



Handling



Designers



Urcus Architects

Product description

Characteristics

- Prefabricated concrete element
- Finish
 - > Ground & polished, a flat, smooth and polished surface with exposed rock and mortar.
 - > Acid wash - a light acid etch finish with an even and flat texture across the entire surface.
 - > Weatherstone - a sandblast finish exposing rock and giving a subtle texture and weathered look.
- Hidden anchoring

Delivery information

- Delivery only on pallets

Project study information

- Specific dimensions in custom manufacturing (only on order) on demand

Shipping fees

- On demand

Colors*

Ground & polished



Acid wash



Weatherstone



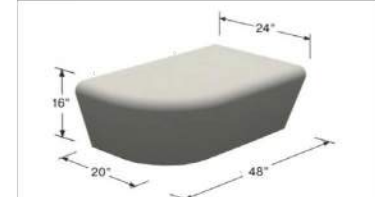
*Additional colors available on request (see file)



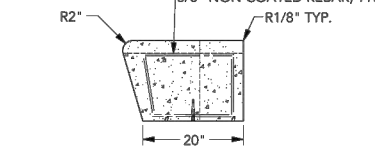
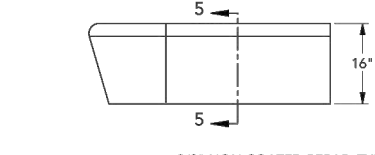
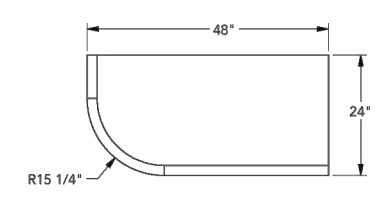
www.urbastyle.com

CENTENAIRE BENCH - SMALL ELEMENTS

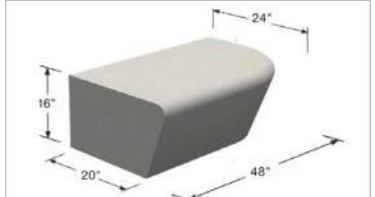
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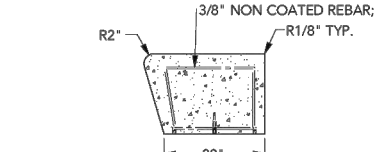
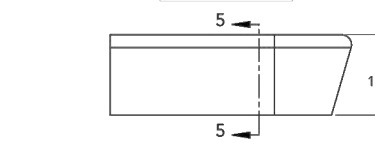
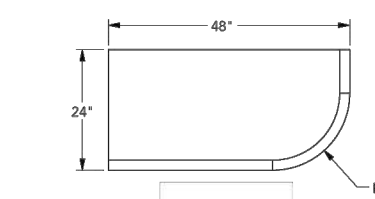
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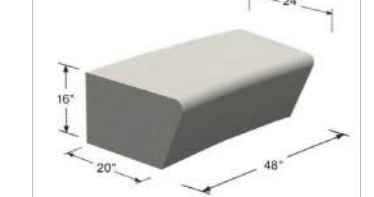
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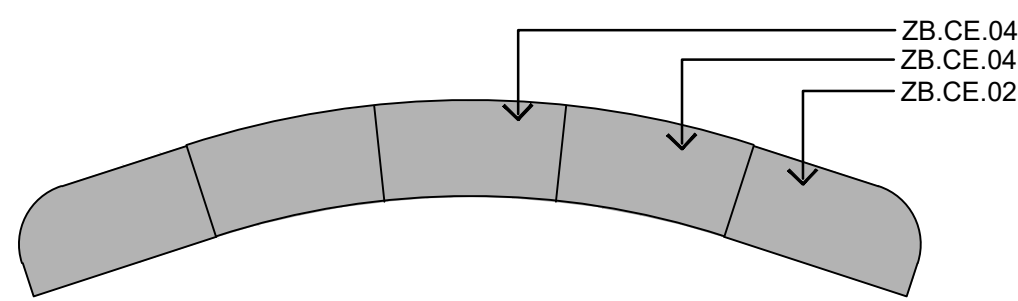
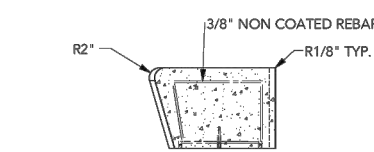
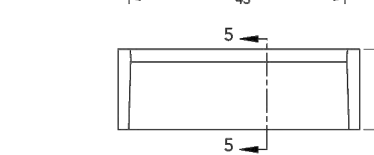
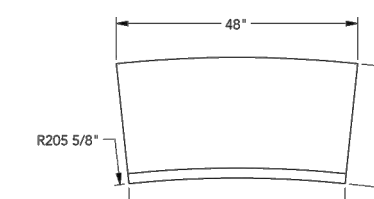
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ZB.CE.04



Details - ZB.CE.04



NOTES:

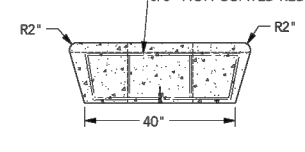
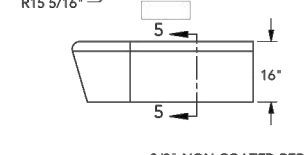
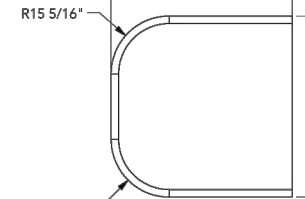
1. SEE SPECIFICATION 323300.
2. BASIS OF DESIGN: WAUSAU CENTENAIRE BENCH - SMALL ELEMENTS, OR APPROVED EQUAL.

CENTENAIRE BENCH - LARGE ELEMENTS

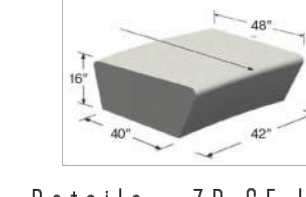
ZB.CE.13



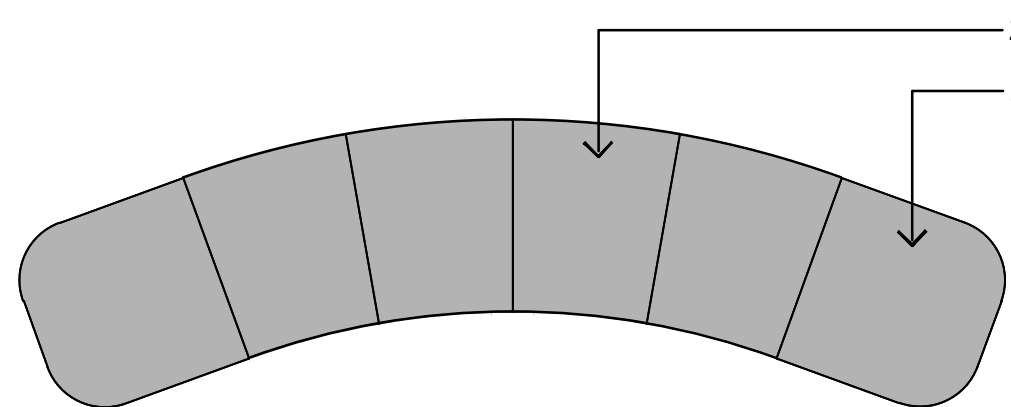
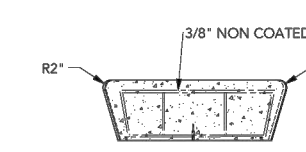
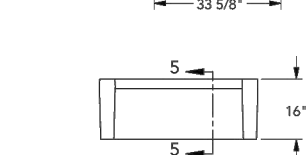
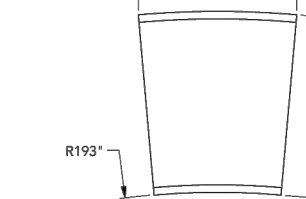
Details - ZB.CE.13



ZB.CE.14



Details - ZB.CE.14



NOTES:

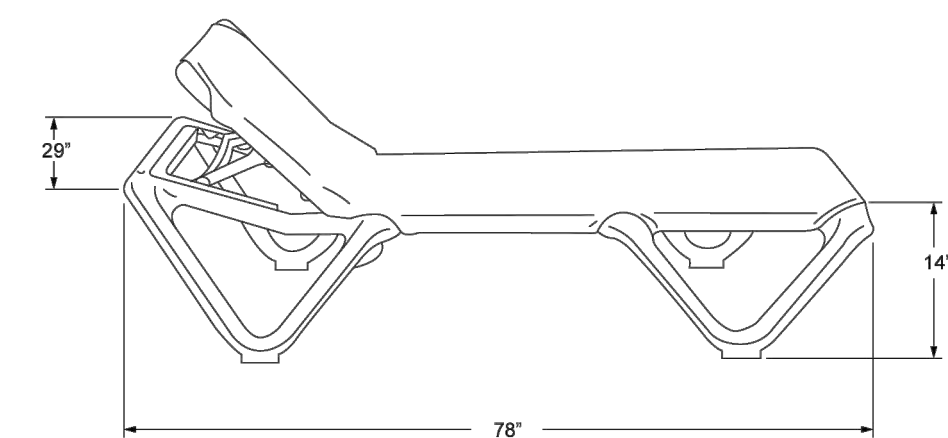
1. SEE SPECIFICATION 323300.
2. BASIS OF DESIGN: WAUSAU CENTENAIRE BENCH - LARGE ELEMENTS, OR APPROVED EQUAL.



Model #US155181

627 Amerasia Drive
Naperville, IL 60563
Phone: (800) 323-5664
Fax: (800) 897-0573
sales@belson.com

Dimension Sheet

NAUTICAL ADJUSTABLE SLING CHAISE LOUNGE WITHOUT ARMS
SANDSTONE FRAME - TAUPE SLING

www.belson.com

NOTES:

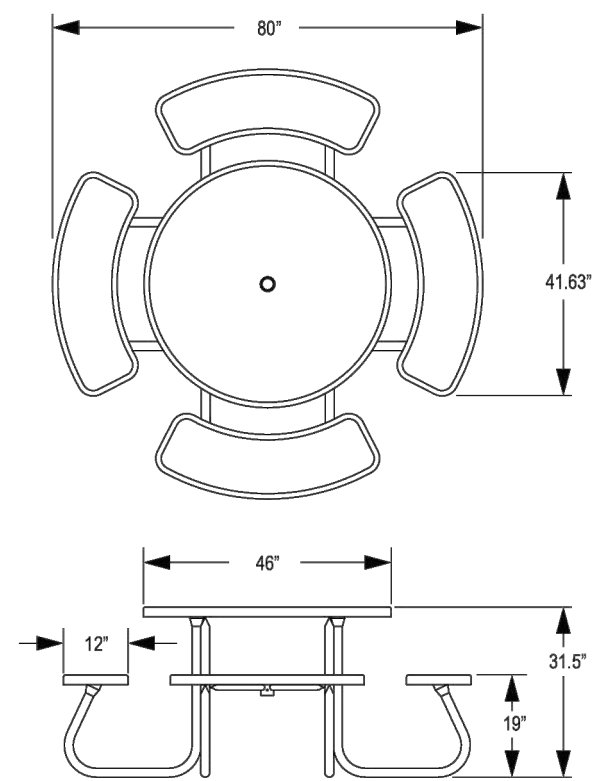
1. SEE SPECIFICATION 323300.
2. BASIS OF DESIGN: NAUTICAL SLING CHAISE LOUNGE, OR APPROVED EQUAL.

1 GALET SEAT
NTS2 SMALL CONCRETE BENCH
NTS3 LARGE CONCRETE BENCH
NTS4 LOUNGE CHAIR
NTS

Model # JXR-4PE

627 Amerasia Drive
Naperville, IL 60563
Phone: (800) 323-5664
Fax: (800) 897-0573
sales@belson.com

Dimension Sheet

ROUND PORTABLE PICNIC TABLE WITH UMBRELLA HOLE
EXPANDED MESH PATTERN

www.belson.com

NOTES:

1. 3 OF 8 ROUND PICNIC TABLES TO BE UNIVERSAL ACCESS; MODEL JXR-4PE
2. SEE SPECIFICATION 323300.
3. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
4. BASIS OF DESIGN: BELSON MODEL #JXR-4PE, OR APPROVED EQUAL.

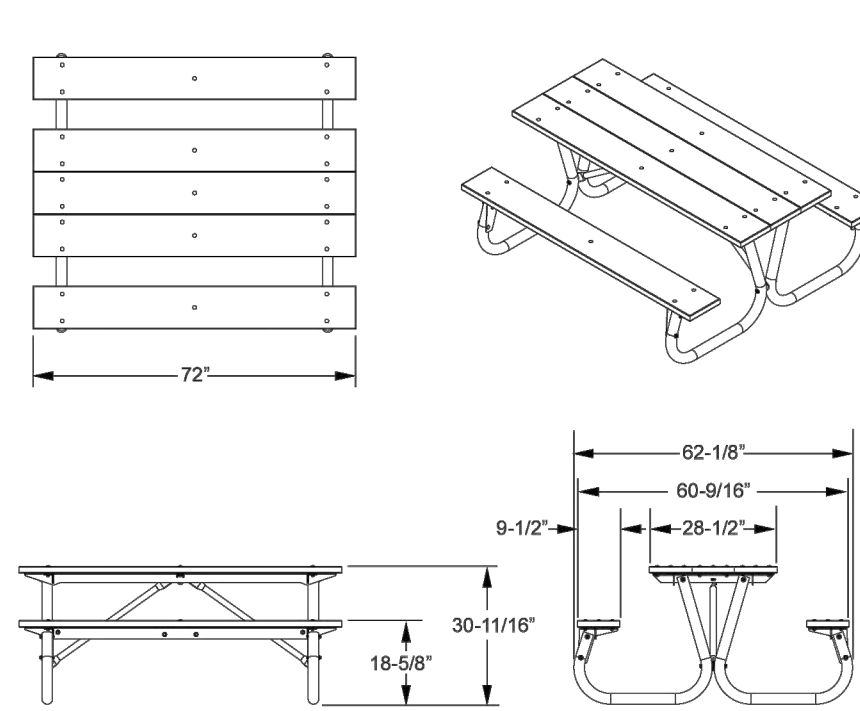


Model # PC-6PGY

627 Amerasia Drive
Naperville, IL 60563
Phone: (800) 323-5664
Fax: (800) 897-0573
sales@belson.com

Dimension Sheet

PARK CHIEF TABLE 6' RECYCLED PLASTIC



www.belson.com

NOTES:

1. 4 OF 16 PICNIC TABLES TO BE UNIVERSAL ACCESS; MODEL PC-HPGY
2. SEE SPECIFICATION 323300.
3. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
4. BASIS OF DESIGN: BELSON MODEL #PC-6PGY, OR APPROVED EQUAL.

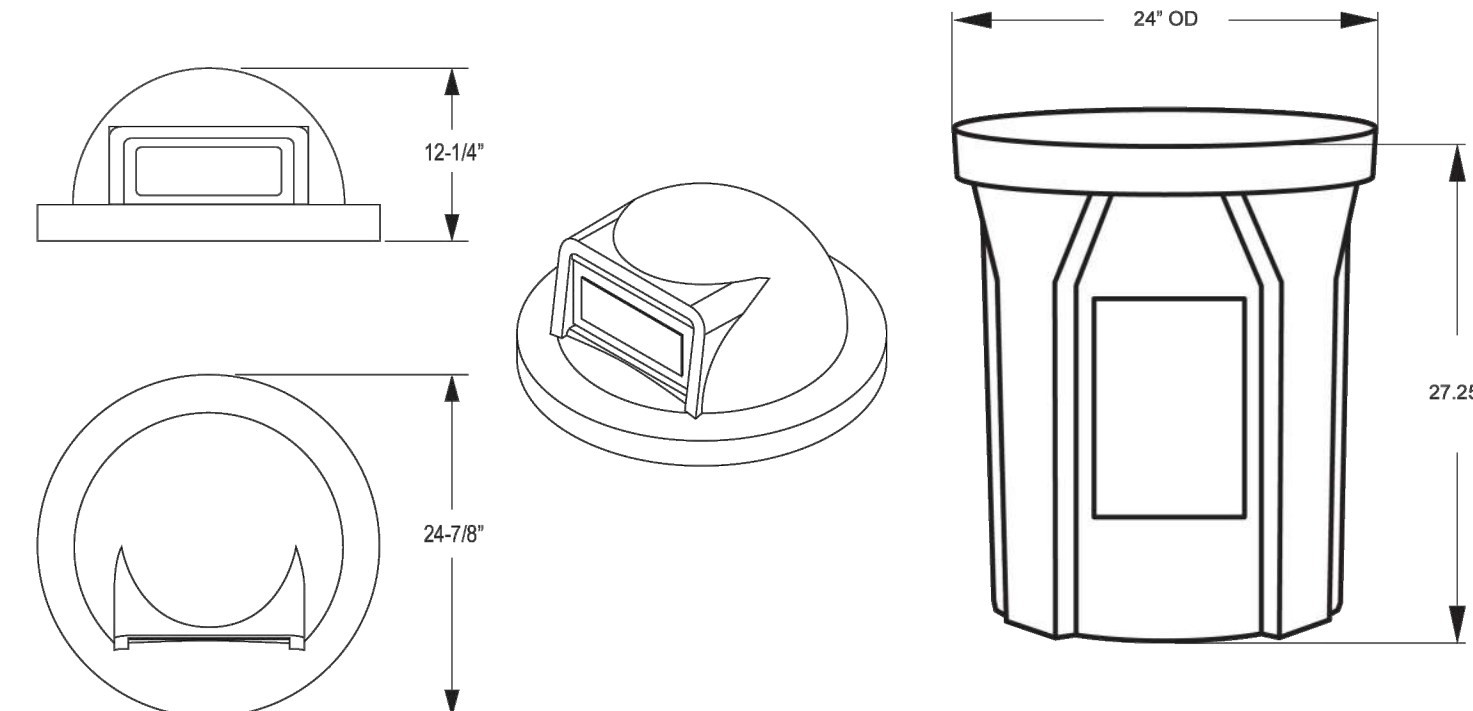


Model # KCC42-DT-S

627 Amerasia Drive
Naperville, IL 60563
Phone: (800) 323-5664
Fax: (800) 897-0573
sales@belson.com

Dimension Sheet

DOME TOP



www.belson.com

NOTES:

1. SEE SPECIFICATION 323300.
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. BASIS OF DESIGN: BELSON MODEL # KCC42-DT-S, OR APPROVED EQUAL.

5 CONCRETE PLANTER
NTS6 ROUND PICNIC TABLE
NTS7 PICNIC TABLE
NTS8 LITTER RECEPTACLE
NTS10 S Patterson Blvd
Dayton, OH 45402
T 937.224.4474

ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By

Checked By

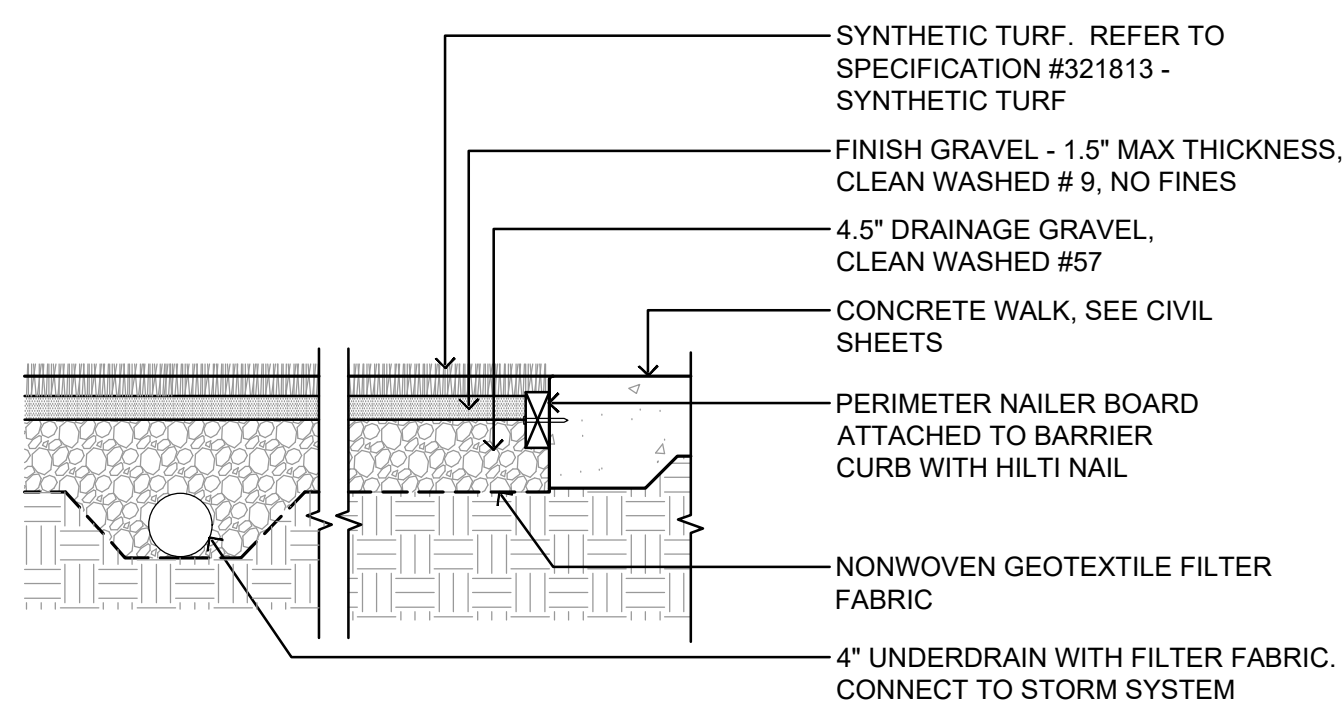
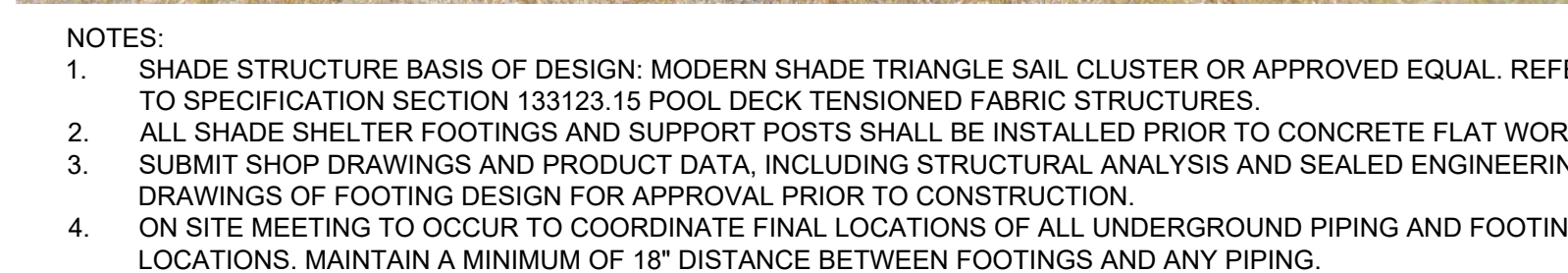
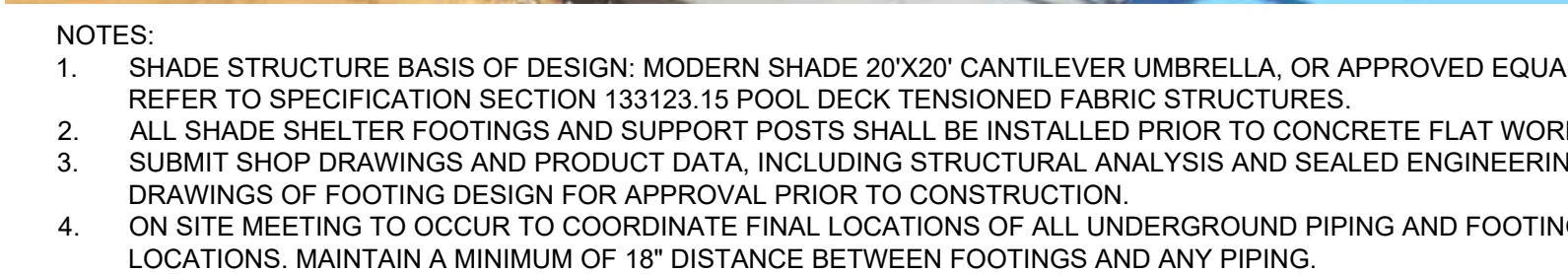
Client
NumberProject
Number

DRAWING TITLE

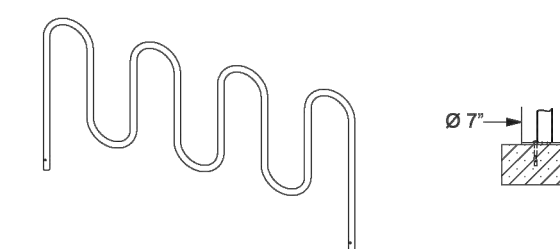
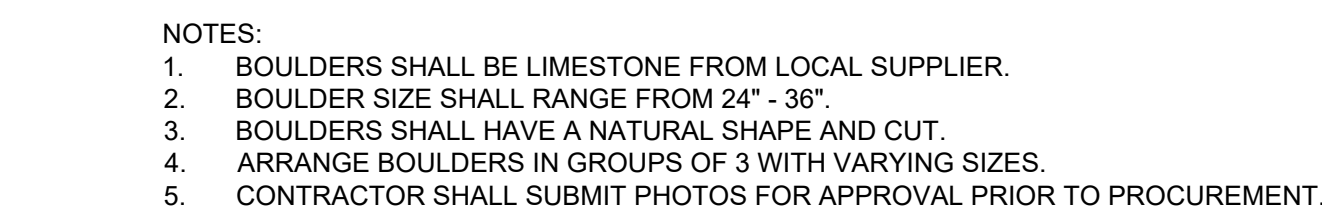
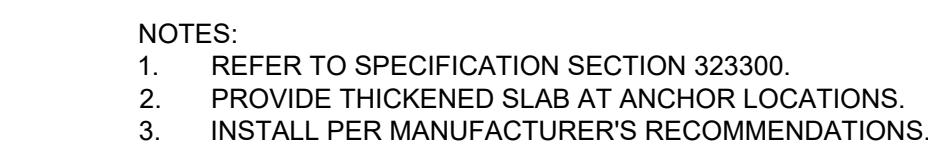
SITE LANDSCAPE
DETAILS

SHEET NO.

L302



NOTES:
1. SEE SPEC 321813 FOR ADDITIONAL INFORMATION.



NOTES:
1. SEE SPECIFICATION 116800.
2. BASIS OF DESIGN: BELSON MODEL #WP36-9-SF-P. OR APPROVED EQUAL.



8x8 Focus Pergola

Product Number	STR8X8
Width	8'
Height	8'
Depth	8'
Weight	225 lbs
Construction	6063 Alloy Aircraft Grade Aluminum .110 Main Frame and .080 Wall Aluminum in all other Locations
Wind Rating	80 mph (If maintained and anchored properly)
Warranty	Limited 15 Year Frame Warranty
<i>Curtains sold separately</i>	



10 S Patterson Blvd
Dayton, OH 45402
T 937.224.4474



ISSUANCES

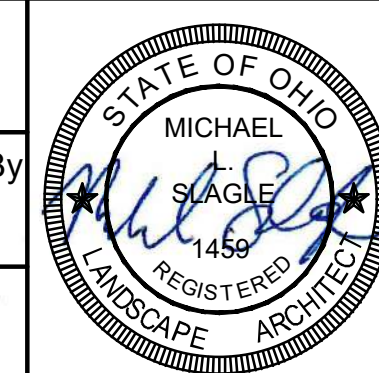
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Drawn By

Checked By	
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Client	
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Project	
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DRAWING TITLE

SITE LANDSCAPE DETAILS

SHEET NO.

L303



10 S Patterson Blvd
Dayton, OH 45402
T 937.224.4474



ISSUANCES

[illegible]

Drawn By

Checked By	
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Client Number	
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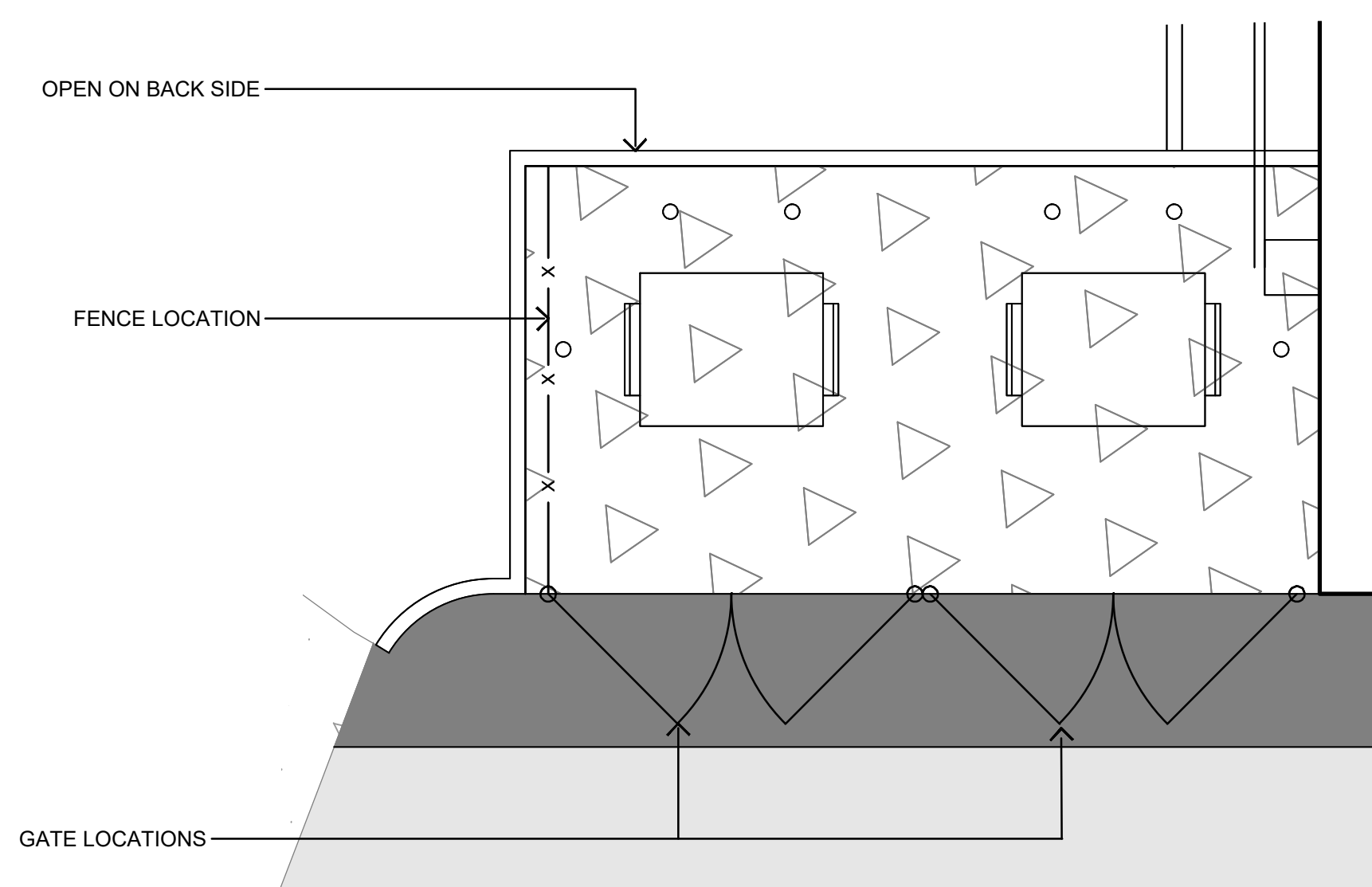
Project
Number

	DRAWING TITLE
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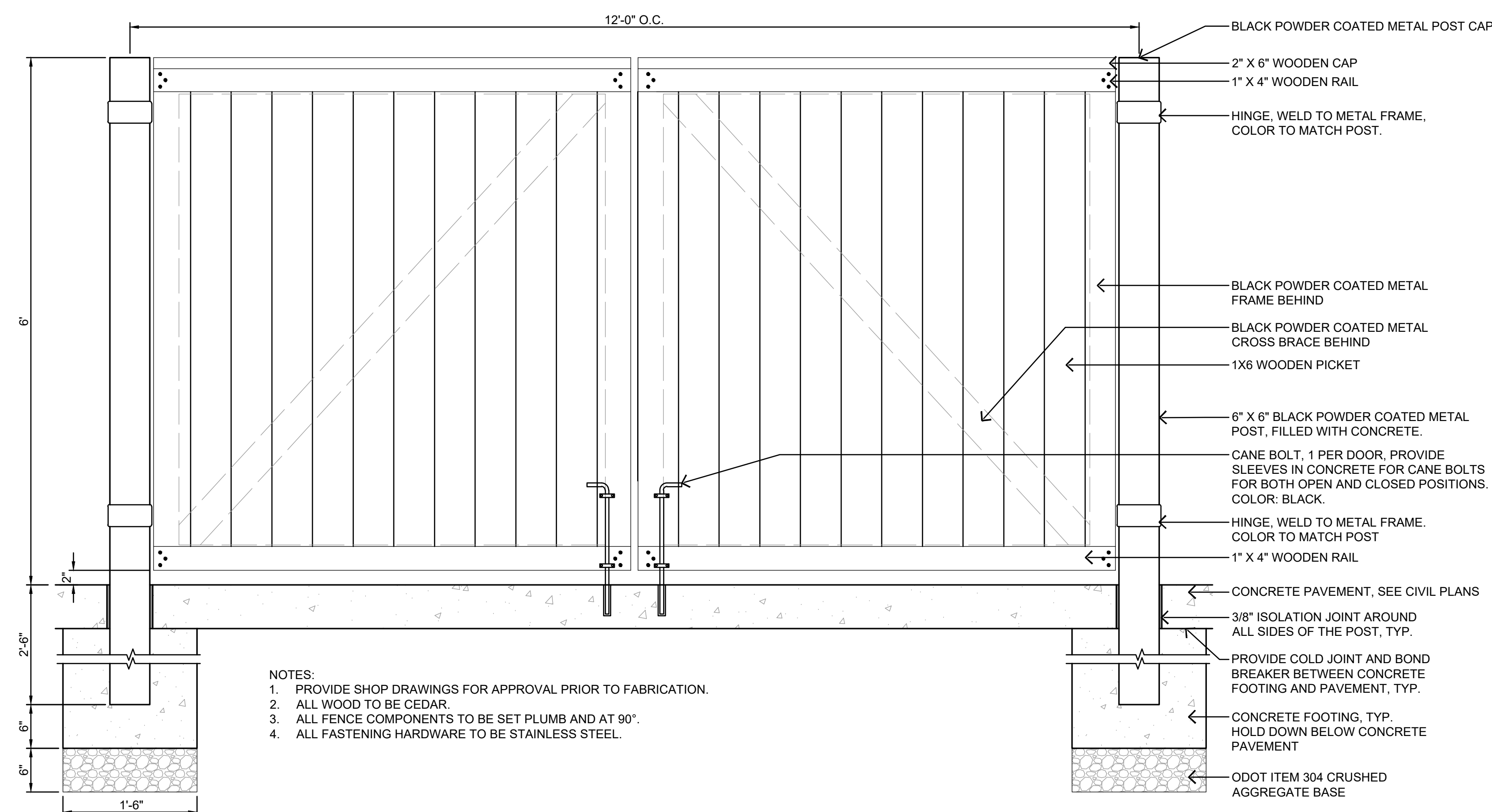
SITE LANDSCAPE DETAILS

SHEET NO.

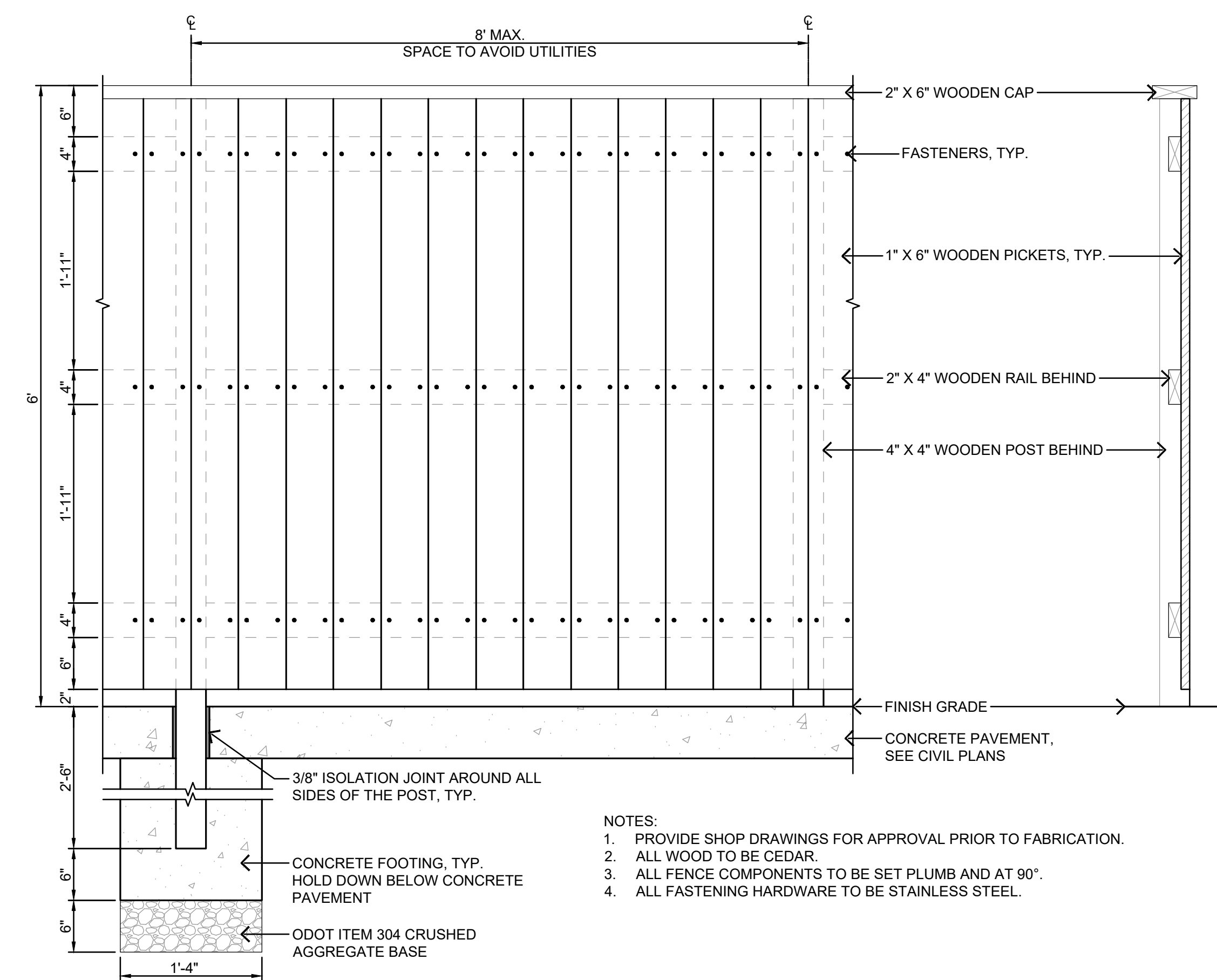
L304



PLAN

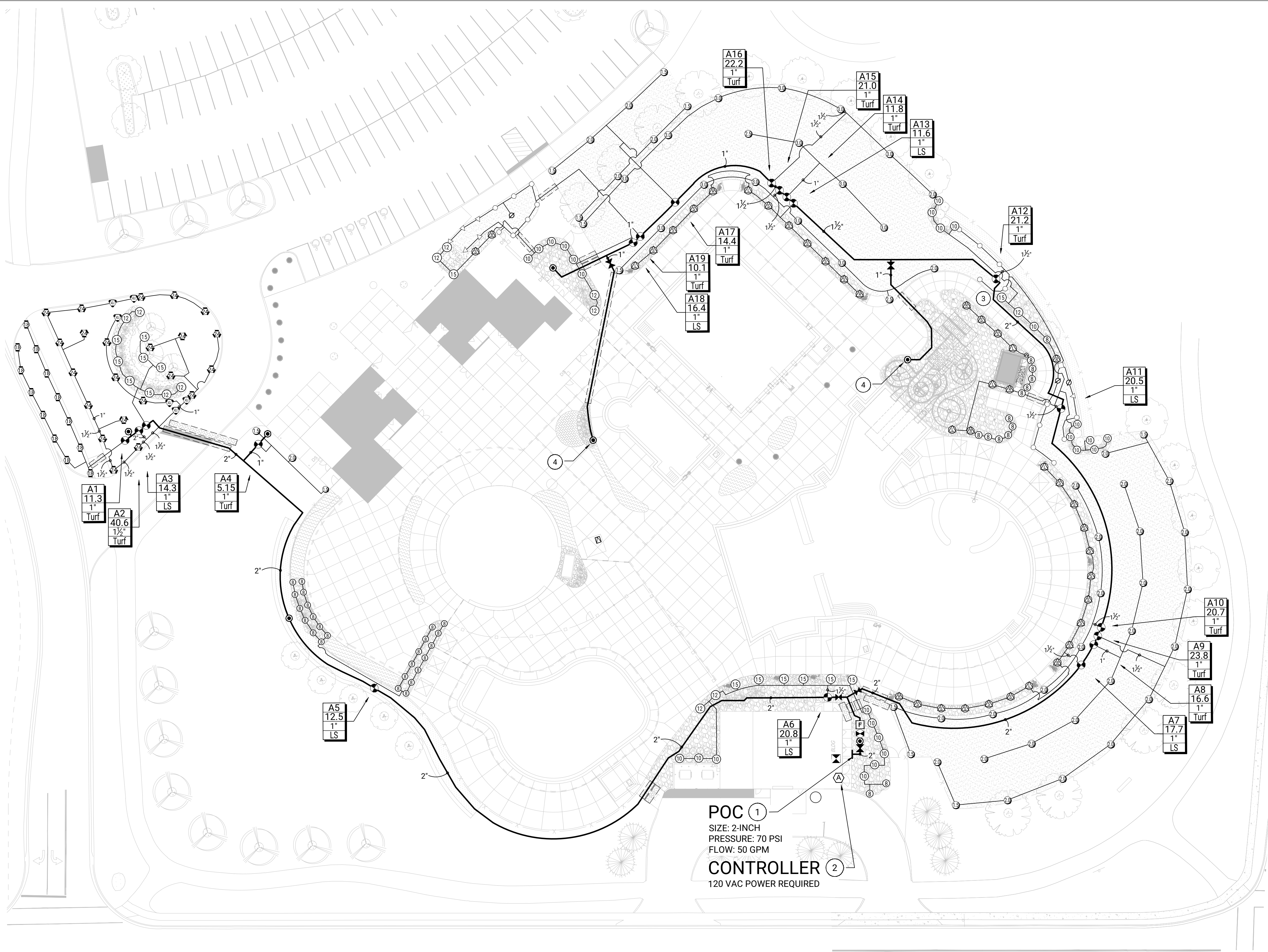


GATE ELEVATION

FENCE ELEVATION

SECTION

1 DUMPSTER ENCLOSURE
SCALE: NTS



HEINCKE ROAD (R/W VARIES)



NOTE:
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PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

IRRIGATION LEGEND

- SLEEVES: SCHEDULE 40 PVC
- MAINLINE PIPE: CLASS 200 PVC
2-INCH SIZE UNLESS OTHERWISE INDICATED
- LATERAL PIPE TO SPRINKLERS: CLASS 200 PVC
1-INCH SIZE UNLESS OTHERWISE INDICATED
- UNCONNECTED PIPE CROSSING
- BACKFLOW PREVENTION ASSEMBLY: 1-1/2-INCH, BY MEP CONTRACTOR
- ISOLATION GATE VALVE ASSEMBLY: NIBCO T-113-K
- MASTER VALVE ASSEMBLY: RAIN BIRD PEB (1-1/2-INCH)
- FLOW SENSOR ASSEMBLY: RAIN BIRD UFS-150
- QUICK COUPLING VALVE ASSEMBLY: RAIN BIRD 5RC
- REMOTE CONTROL VALVE ASSEMBLY FOR SPRINKLER LATERALS:
RAIN BIRD PEB (SIZED PER PLAN)
- POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM-PRS W/ HE-VAN SERIES NOZZLE
PRESSURE: 30 PSI RADIUS: 4 FEET X 15 FEET
- POP-UP SPRAY SPRINKLER: RAIN BIRD 1812-SAM-PRS W/ STRIP SERIES NOZZLES
PRESSURE: 30 PSI RADIUS: AS SHOWN
- POP-UP SPRAY SPRINKLER: RAIN BIRD 1812-SAM-PRS W/ HE-VAN NOZZLES
PRESSURE: 30 PSI RADIUS: AS SHOWN
- POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM-PRS W/ 2-FOOT SQ NOZZLE
PRESSURE: 30 PSI RADIUS: 2 FEET X 2 FEET / 2 FEET X 4 FEET
FLOW (GPM): SQ2HLF-.02
- POP-UP ROTATING SPRAY SPRINKLER: RAIN BIRD 1806-SAM-P45
W/RVAN14 SERIES NOZZLE
PRESSURE: 45 PSI RADIUS: 8 FEET TO 14 FEET
FLOW (GPM): Q-0.32 H-0.63 F-1.27
- POP-UP ROTATING SPRAY SPRINKLER: RAIN BIRD 1806-SAM-P45
W/RVAN18 SERIES NOZZLE
PRESSURE: 45 PSI RADIUS: 13 FEET TO 18 FEET
FLOW (GPM): Q-0.50 H-1.02 F-1.85
- POP-UP ROTATING SPRAY SPRINKLER: RAIN BIRD 1806-SAM-P45
W/RVAN24 SERIES NOZZLE
PRESSURE: 45 PSI RADIUS: 17 FEET TO 24 FEET
FLOW (GPM): Q-0.92 H-1.84 F-3.67
- POP-UP GEAR DRIVEN ROTORS: RAIN BIRD 5006-SAM-R
PRESSURE: 45 PSI
NOZZLE RADIUS FLOW
1.5 35' 1.54 GPM
2.0 37' 2.07 GPM
2.5 37' 2.51 GPM
3.0 39' 3.09 GPM
- INDICATES CONTROLLER AND STATION NUMBER
- INDICATES LATERAL DISCHARGE (GPM)
- INDICATES VALVE SIZE (INCHES)
- INDICATES LANDSCAPE APPLICATION
- IRRIGATION CONTROLLER UNIT
WITH RAIN/FREEZE SENSOR
RAIN BIRD ESPLXME2-P
24 STATION METAL WALL MOUNTCONTROLLER
- WEATHER SENSOR: WR2-RFC

CONSTRUCTION NOTES

- THE IRRIGATION SYSTEM POINT-OF-CONNECTION (POC) SHALL BE A 2-INCH SUB-OUT, DOWNSTREAM OF THE IRRIGATION WATER TAP, METER AND BACKFLOW, INSTALLED BY OTHERS AT THE APPROXIMATE LOCATION SHOWN. MASTER VALVE AND FLOW SENSOR ASSEMBLY AS INDICATED. VERIFY EXACT LOCATION OF POC WITH OWNER'S REPRESENTATIVE.
- WALL MOUNT THE IRRIGATION CONTROLLER AT THE APPROXIMATE LOCATION SHOWN. COORDINATE ELECTRICAL POWER TO THE CONTROLLER WITH THE OWNER'S REPRESENTATIVE. FINAL LOCATION TO BE APPROVED BY OWNER'S REPRESENTATIVE.
- IRRIGATION SHOWN OUT OF LANDSCAPED AREA FOR CLARITY ONLY. INSTALL IRRIGATION COMPONENTS WITHIN LANDSCAPED AREA.
- QUICK COUPLER VALVE TO BE AN ADD-ALTERNATE, PER OWNER DIRECTION.



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Miamisburg, OH 45342

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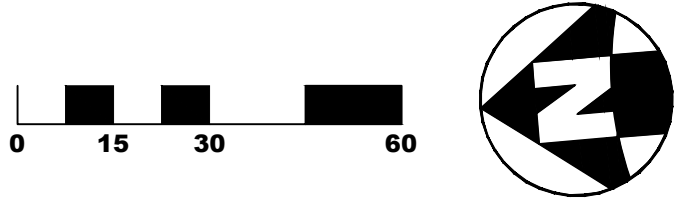
No.	Description	Date
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1	CONFORMED SET	03/14/25

Drawn By	ROB KURTZ
Checked By	KF
Client Number	003343
Project Number	COMMERCIAL

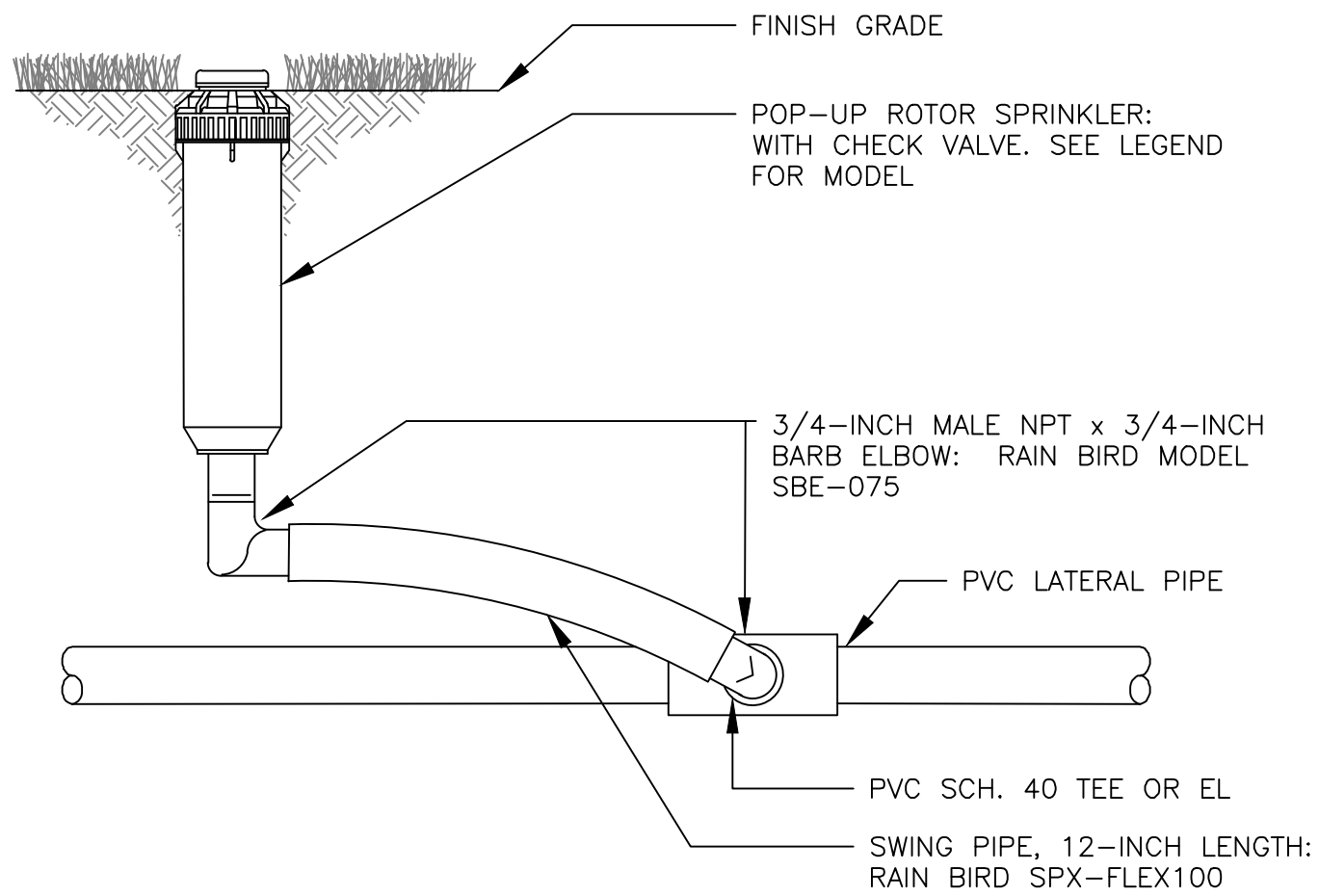
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IRRIGATION PLAN

SHEET NO.
I-100

Hines Inc
SITE WATER ENGINEERING SERVICES
323 W. DRAKE RD, SUITE 204
FORT COLLINS, COLORADO 80526
Telephone: 970.282.1800
Web: www.hinesinc.com

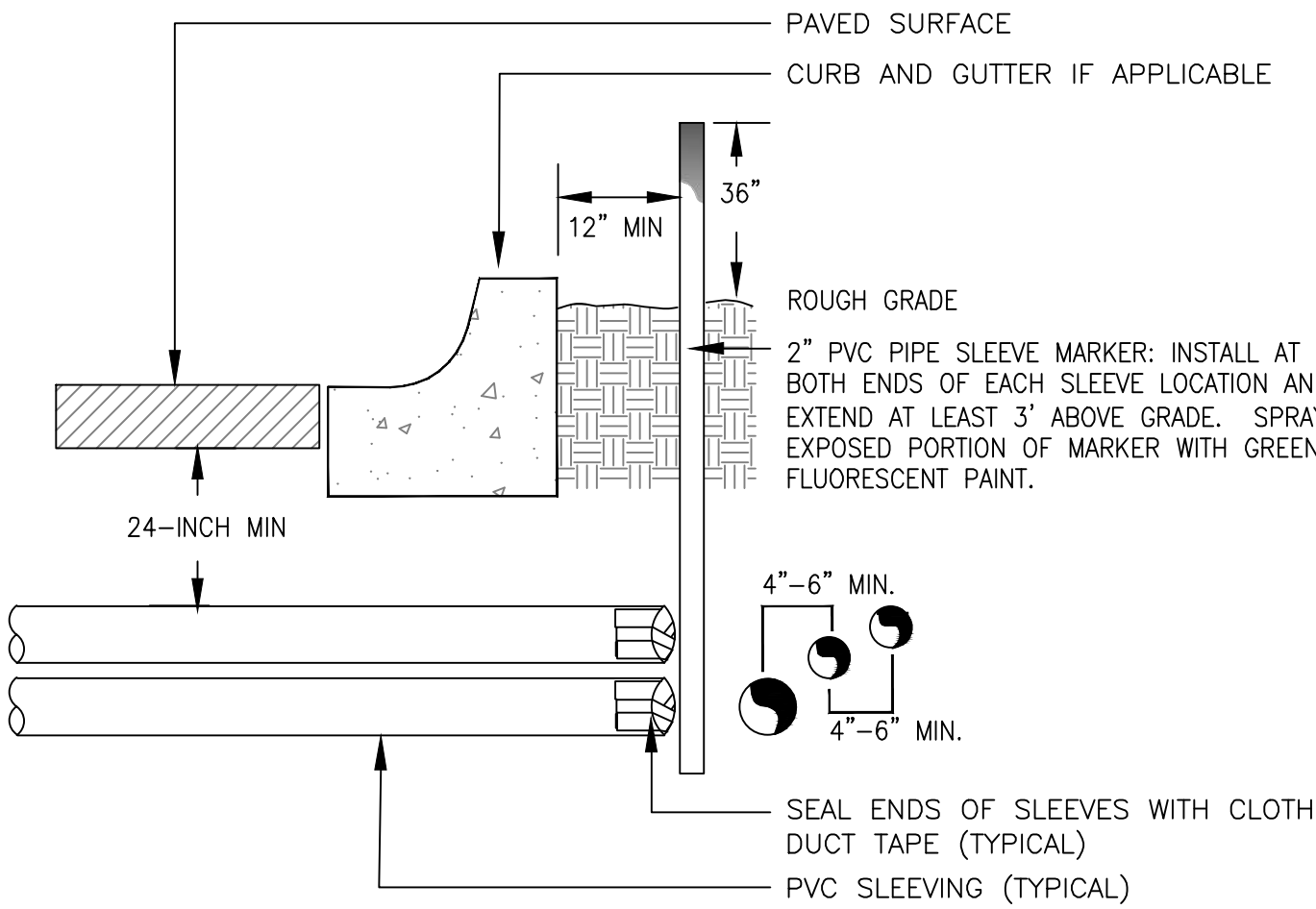


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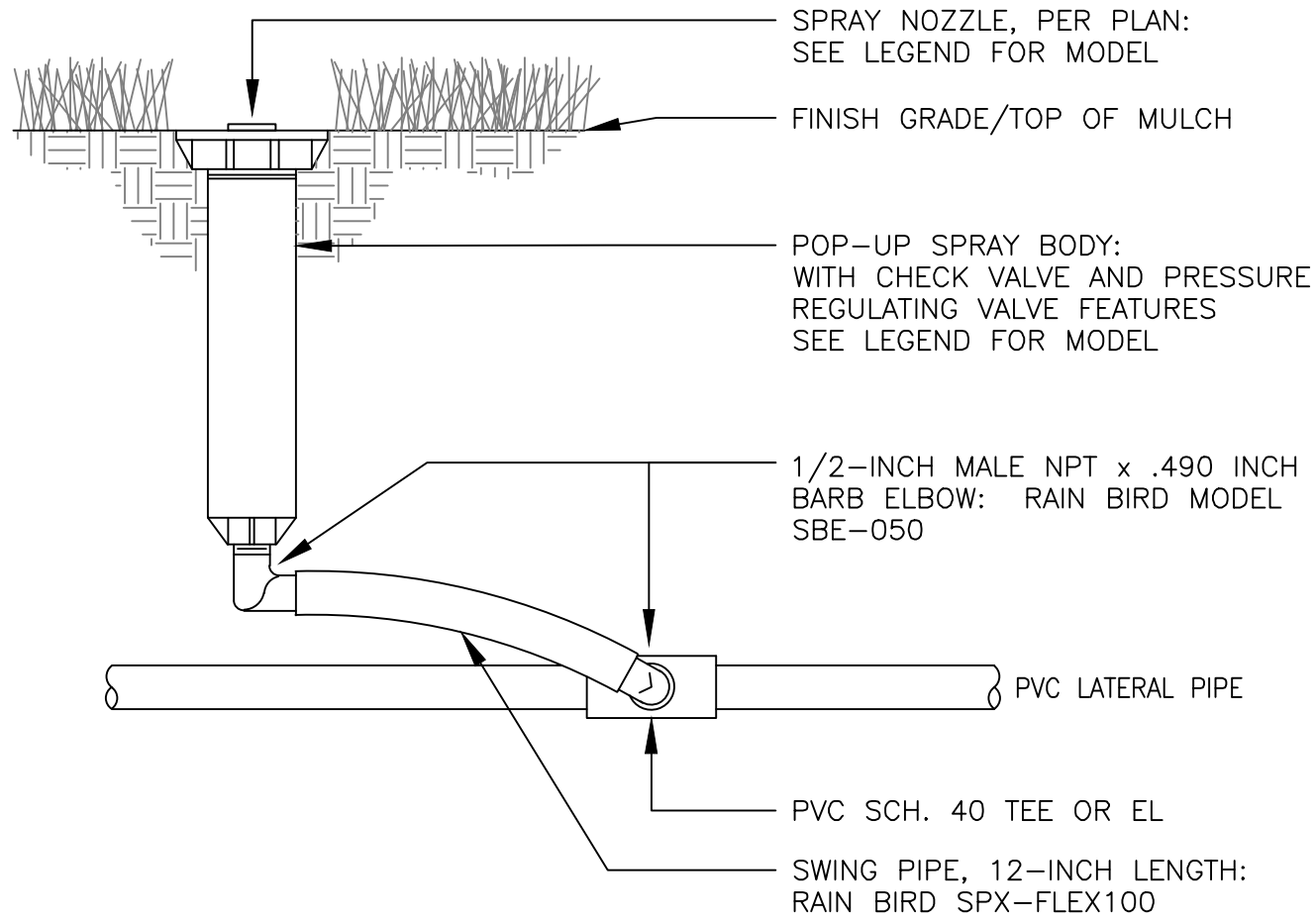
NOTES:
1. INSTALL PLASTIC RISERS FOR ROTORS IN NATIVE AREAS.

9 6-INCH GEAR DRIVEN ROTOR ASSEMBLY

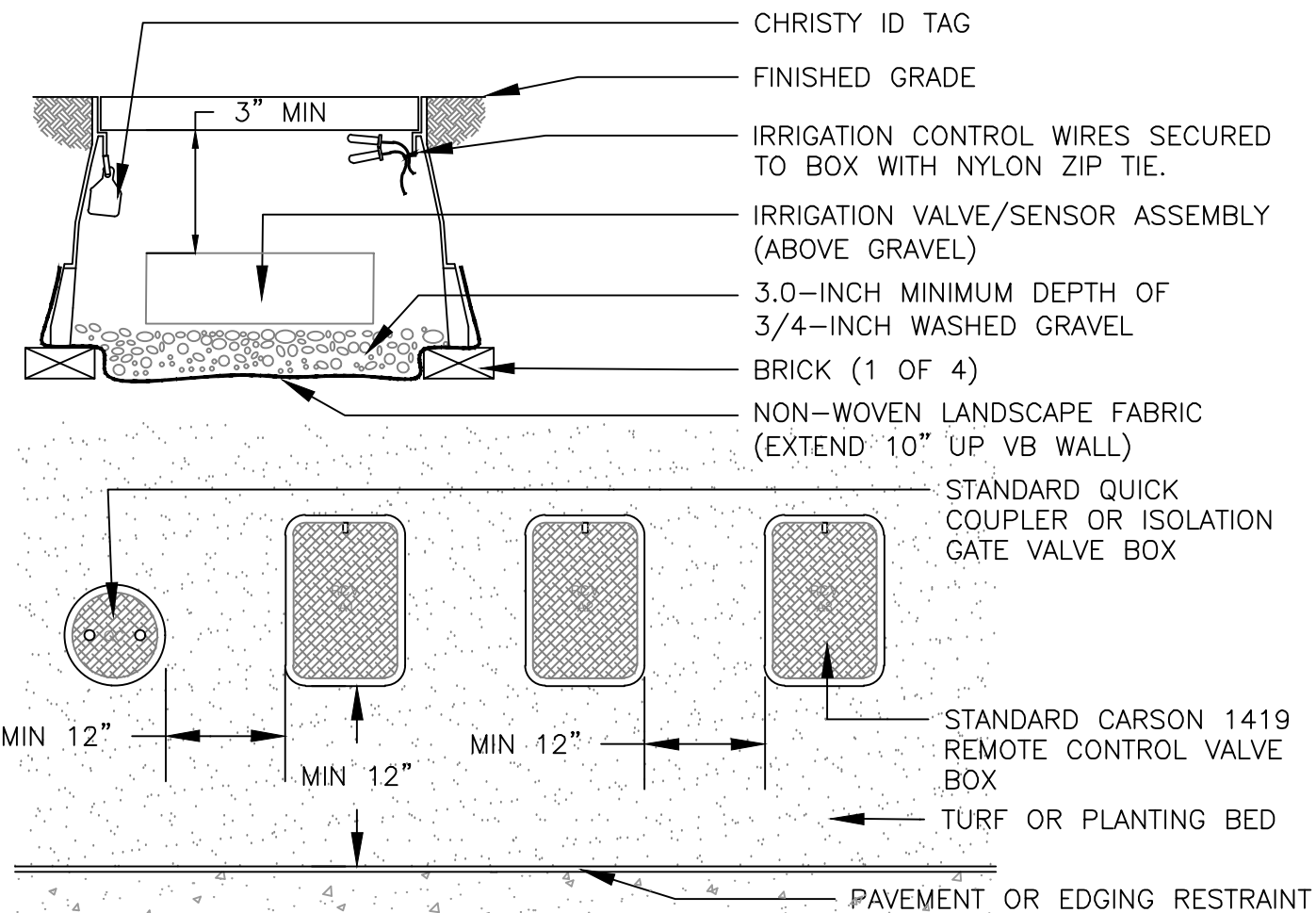


NOTE:
1) ALL SLEEVING TO BE CLASS 200 BE PVC, SIZED AS NOTED.
2) INSTALL SLEEVES IN SIDE-BY-SIDE CONFIGURATION WHERE MULTIPLE SLEEVES ARE TO BE INSTALLED. SPACE SLEEVES 4-INCH TO 6-INCH APART. DO NOT STACK SLEEVES VERTICALLY.

13 TYPICAL SLEEVING DETAIL

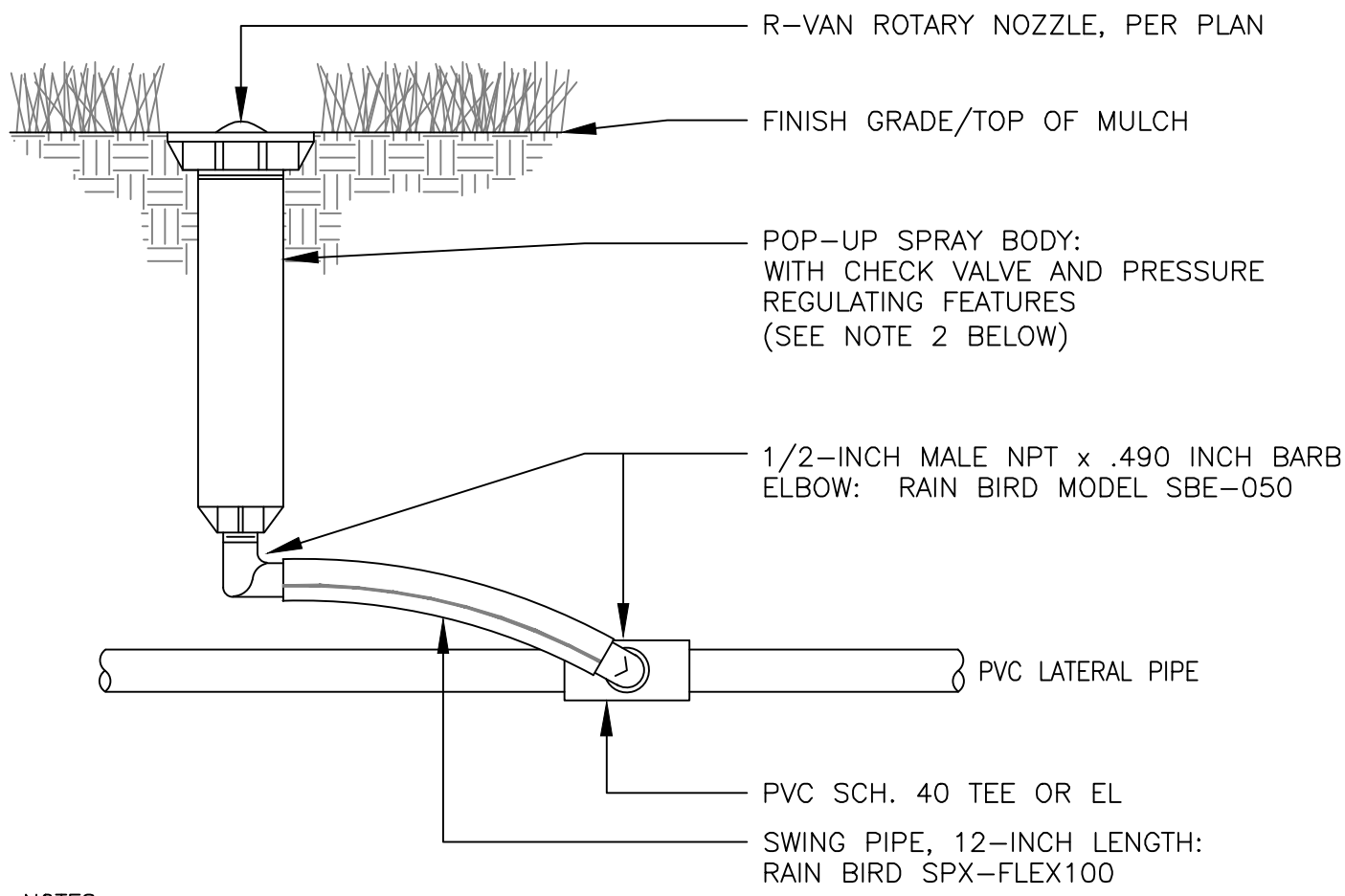


10 6-INCH POP UP SPRAY SPRINKLER ASSEMBLY



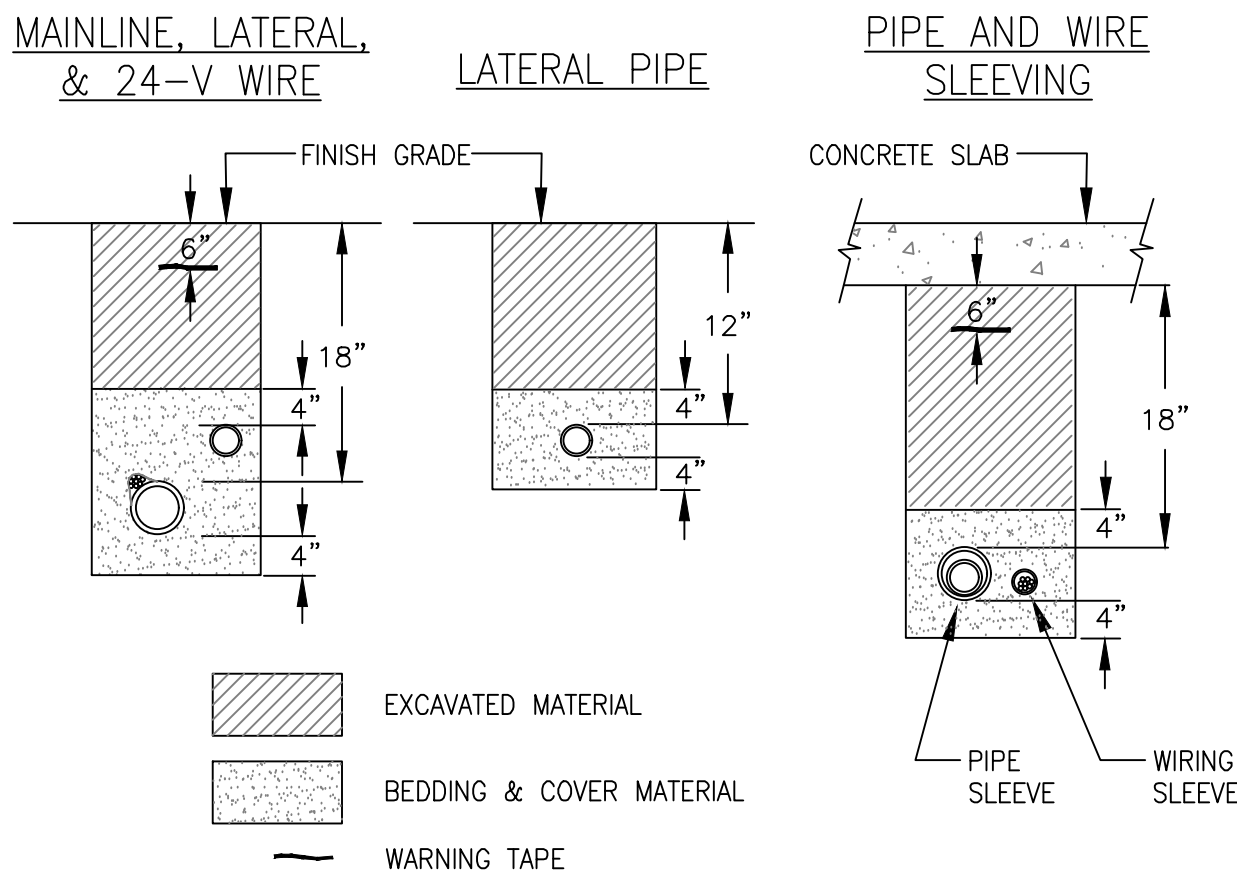
NOTES:
1. INSTALL ONLY ONE RCV TO VALVE BOX. LOCATE AT LEAST 12-INCHES FROM AND ALIGN WITH NEARBY WALLS OR EDGES OF PAVED AREAS. GROUP RCV ASSEMBLIES TOGETHER WHERE PRACTICAL.
4. GROUP RCV ASSEMBLIES TOGETHER WHERE PRACTICAL, BUT AVOID GROUPING MORE THAN THREE (3) STANDARD VALVE BOXES TOGETHER IN A SERIES.
5. ARRANGE GROUPED VALVE BOXES IN RECTANGULAR PATTERNS.

14 TYPICAL VALVE BOX INSTALLATION



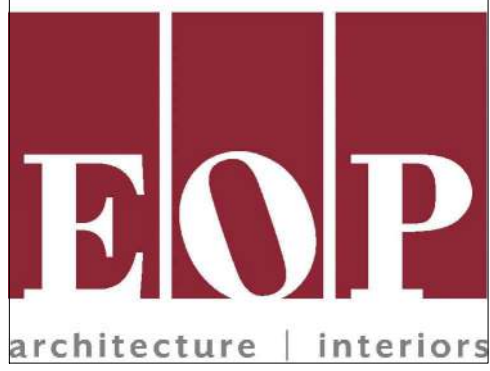
NOTES:
1. IF POLYETHYLENE PIPE IS USED FOR LATERAL PIPE, SUBSTITUTE INSERT TEE OR EL WITH STAINLESS STEEL CLAMPS FOR PVC SLIP TEE OR EL SHOWN ABOVE.
2. TO ACHIEVE MINIMUM RADIUS WITH ANY RAIN BIRD ROTARY NOZZLE, USE 45 PSI PRESSURE REGULATING SPRAY BODY.

11 6-INCH POP UP R-VAN ROTARY NOZZLE



NOTES:
1. SLEEVE ALL PIPE AND WIRE SEPARATELY.
2. ALL PIPE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. "SNAKE" UNSLEEVED PLASTIC PIPE IN TRENCH. PROVIDE A MINIMUM OF 2-INCH CLEARANCE TO SIDE OF TRENCH AND BETWEEN PIPES.
3. ALL 120-V WIRING SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS. TAPE AND BUNDLE 24-V WIRE EVERY 10-INCH AND PROVIDE LOOSE 20-INCH LOOP AT ALL CHANGES OF DIRECTION OVER 30 DEGREES.

12 TYPICAL TRENCHING DETAIL



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Project Number	



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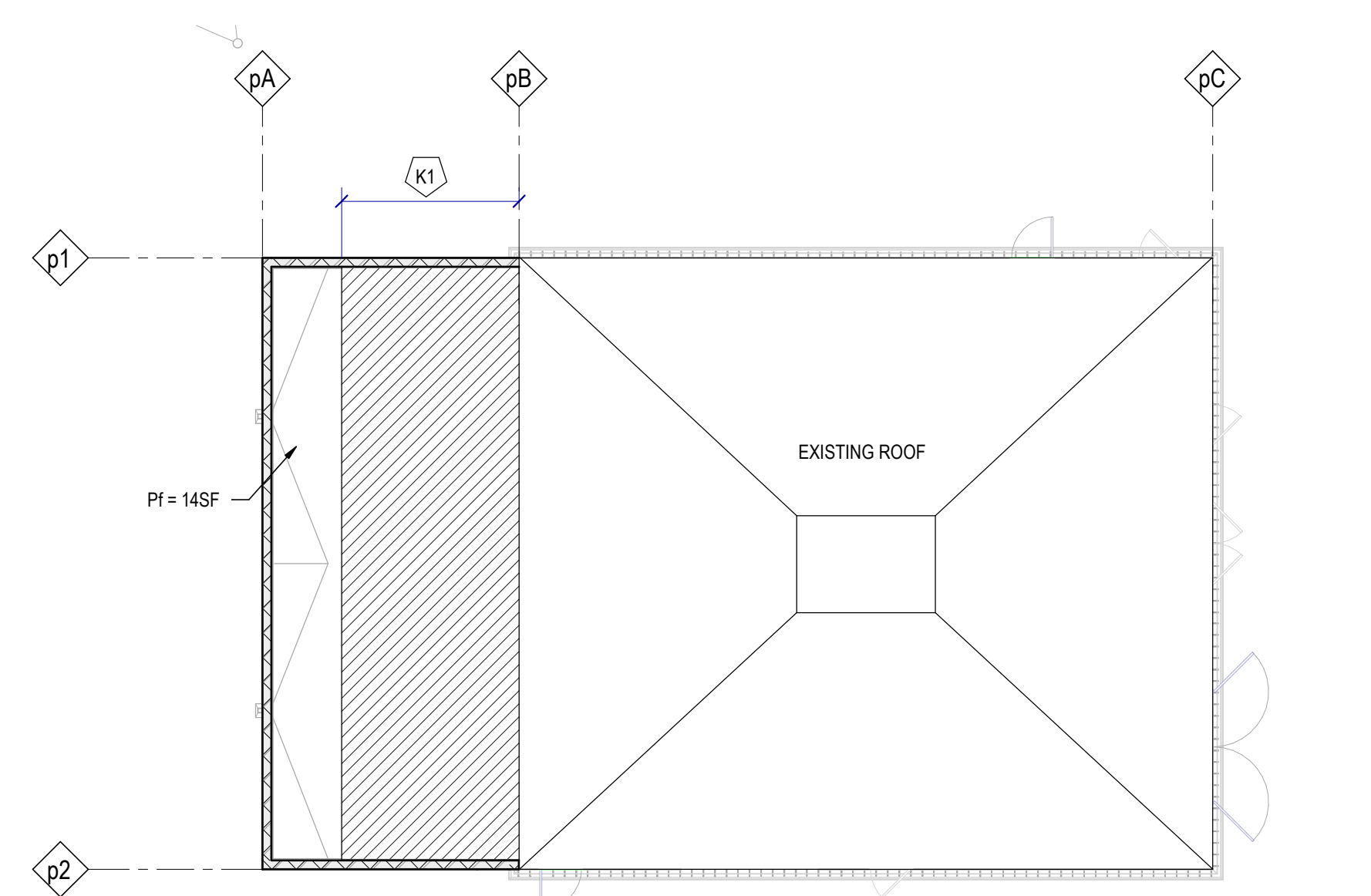
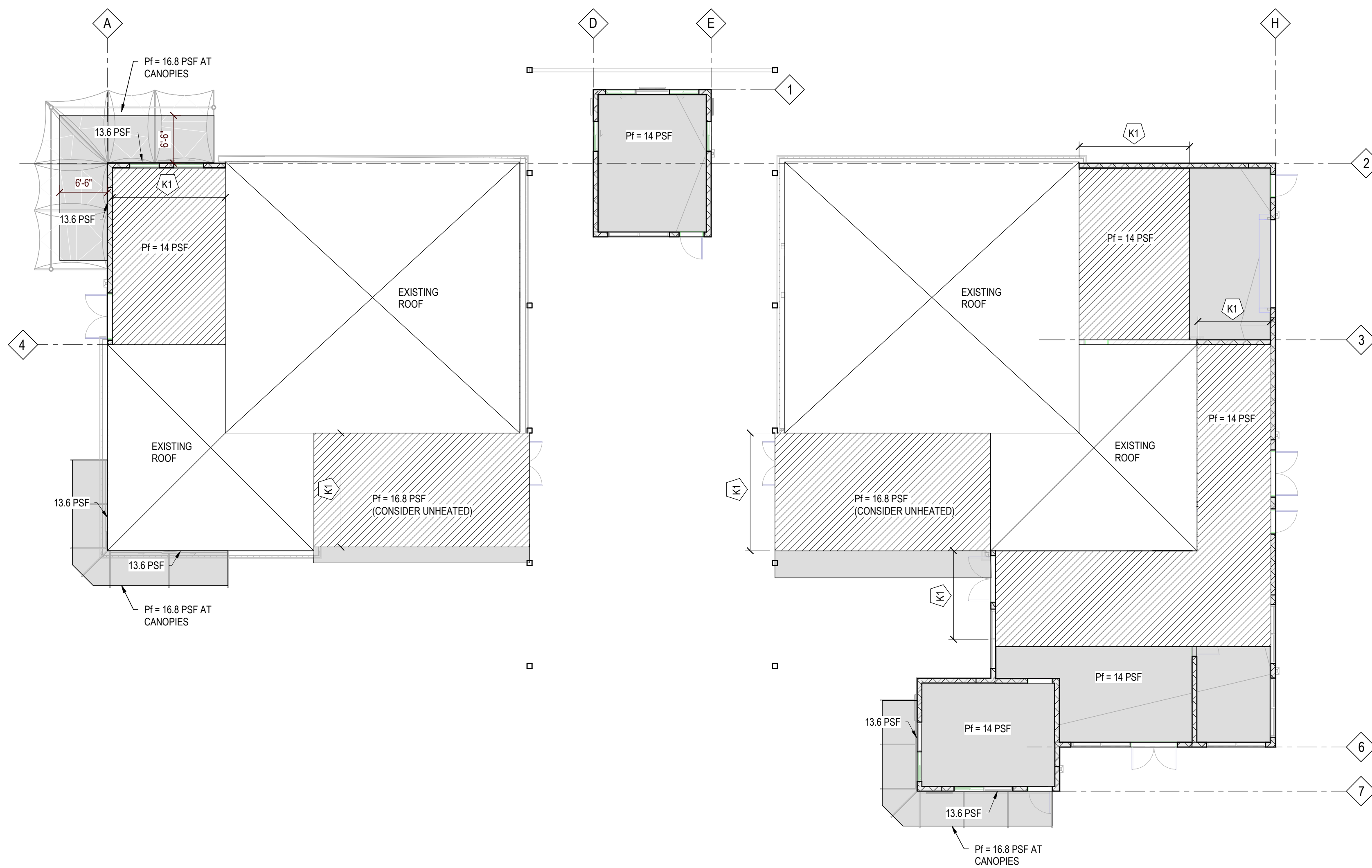
IRRIGATION DETAILS

SHEET NO.

I-102

Hines Inc
SITE WATER ENGINEERING SERVICES
323 W. DRAKE RD, SUITE 204
FORT COLLINS, COLORADO 80526
Telephone: 970.282.1800
Web: www.hinesinc.com

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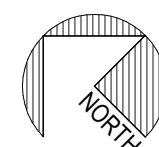
SNOW DRIFT PLAN - PUMP HOUSE
NTS



SNOW DRIFT PLAN KEYNOTES:

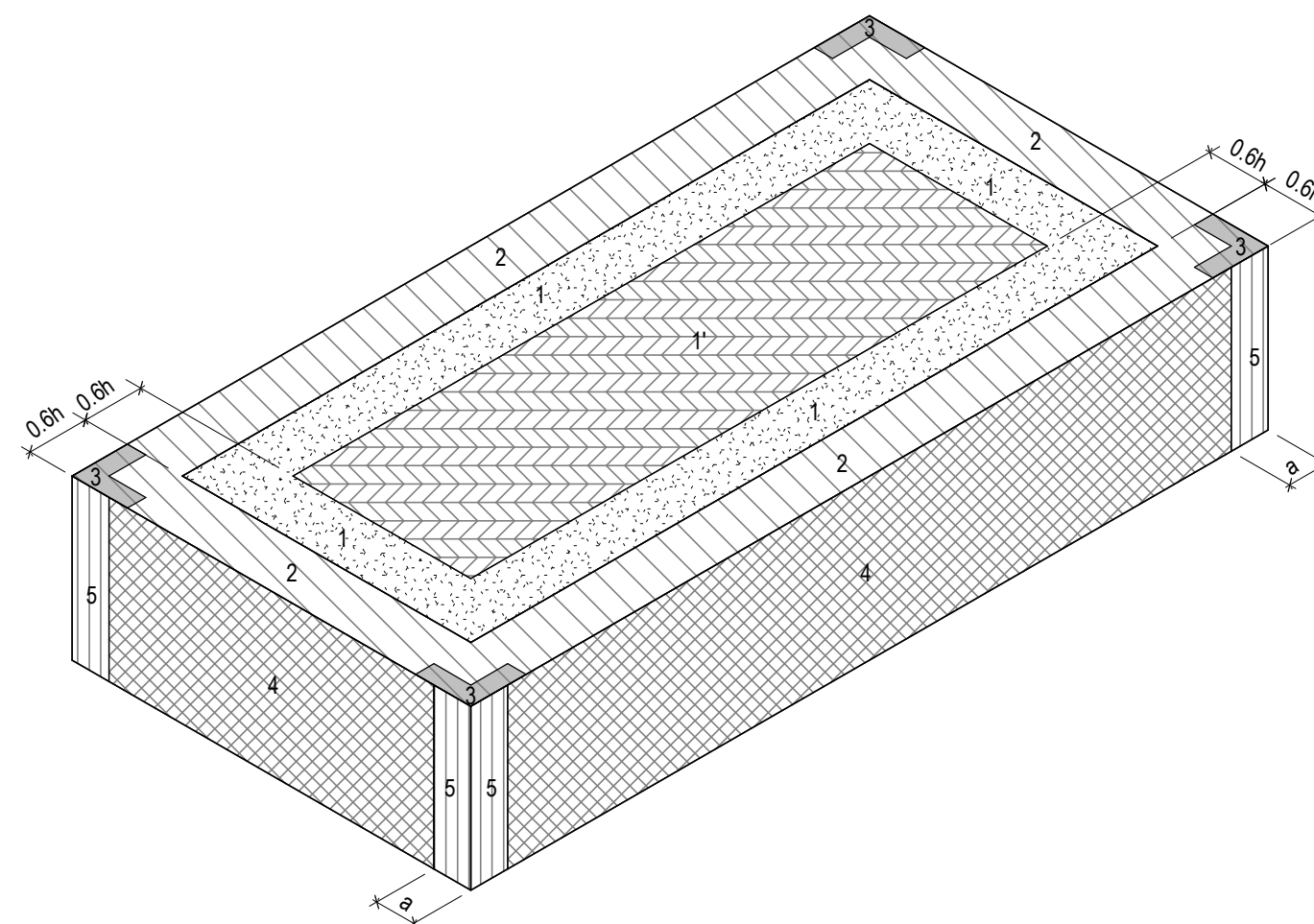
K1 HATCHED REGION INDICATES EXTENTS OF ADDITIONAL 8PSF ON LOW ROOF, DISTRIBUTED OVER MAXIMUM OF 15'-0". SNOW IS IN ADDITION TO SNOW PRESSURES LISTED ON PLAN.

SNOW DRIFT PLAN

$$3/32'' = 1'-0''$$


SNOW DRIFT PLAN KEYNOTES:

K1 HATCHED REGION INDICATES EXTENTS OF ADDITIONAL 8PSF ON LOW ROOF, DISTRIBUTED OVER MAXIMUM OF 15'-0". SNOW IS IN ADDITION TO SNOW PRESSURES LISTED ON PLAN.



WIND ZONE ISOMETRIC

NTS

COMPONENT AND CLADDING DESIGN								
WIND PRESSURES (PSF)								
ROOF SURFACE PRESSURES								
Area	10 sf	20 sf	50 sf	100 sf	200 sf	350 sf	500 sf	1000 sf
Negative Zone 1	-39.8	-37.1	-33.7	-31.0	-28.4	-26.3	-25.0	-25.0
Negative Zone 1'	-22.8	-22.8	-22.8	-22.8	-19.7	-17.1	-16.0	-16.0
Negative Zone 2	-52.4	-49.1	-44.6	-41.2	-37.9	-35.2	-33.4	-33.4
Negative Zone 3	-71.5	-64.7	-55.8	-49.1	-42.3	-36.9	-33.4	-33.4
Positive All Zones	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
Overhang Zone 1&1'	-36.0	-35.3	-34.5	-33.8	-28.4	-24.0	-21.1	-21.1
Overhang Zone 2	-48.6	-44.1	-38.2	-33.7	-29.2	-25.6	-23.3	-23.3
Overhang Zone 3	-67.7	-59.8	-49.4	-41.5	-33.7	-27.3	-23.3	-23.3

PARAPET SURFACE PRESSURES						
SOLID PARAPET PRESSURE	10 sf	20 sf	50 sf	100 sf	200 sf	500 sf
CASE A: Zone 2 :	67.7	63.3	57.5	53.1	48.7	42.9
Zone 3 :	86.7	79.0	68.7	60.9	53.2	42.9
CASE B: Interior zone :	-40.0	-37.9	-35.3	-33.2	-31.2	-28.6
Corner zone :	-45.7	-42.6	-38.6	-35.6	-32.6	-28.6

WALL SURFACE PRESSURES				
Area	10 sf	100 sf	200 sf	500 sf
NEGATIVE ZONE 4	-24.7	-21.4	-20.4	-19.0
NEGATIVE ZONE 5	-30.5	-23.7	-21.7	-19.0
POSITIVE ZONE 4 & 5	22.8	19.5	18.5	17.1

NOTES:

1) TABLE PRESSURES ARE FOR THE SQUARE FOOT (SF) TRIBUTARY AREA SHOWN. FOR OTHER TRIBUTARY AREAS, LINEARLY INTERPOLATE BETWEEN VALUES SHOWN ABOVE.

2) POSITIVE PRESSURES ACT TOWARD THE BU
3) SEE DIAGRAMS FOR LOCATION OF ZONES.

4) PRESSURES SHOWN ARE ULTIMATE PRESSURES, MULTIPLY BY 0.6 FOR NOMINAL PRESSURES

$0.6h = 6.3 \text{ ft}$	$a = 3.2 \text{ ft}$
-------------------------	----------------------

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CHAMPLIN
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EOP
architecture | interiors

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Center

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Drawn By

WCM

Checked By

QCB

Client
Number

Project	
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Number
2412.31

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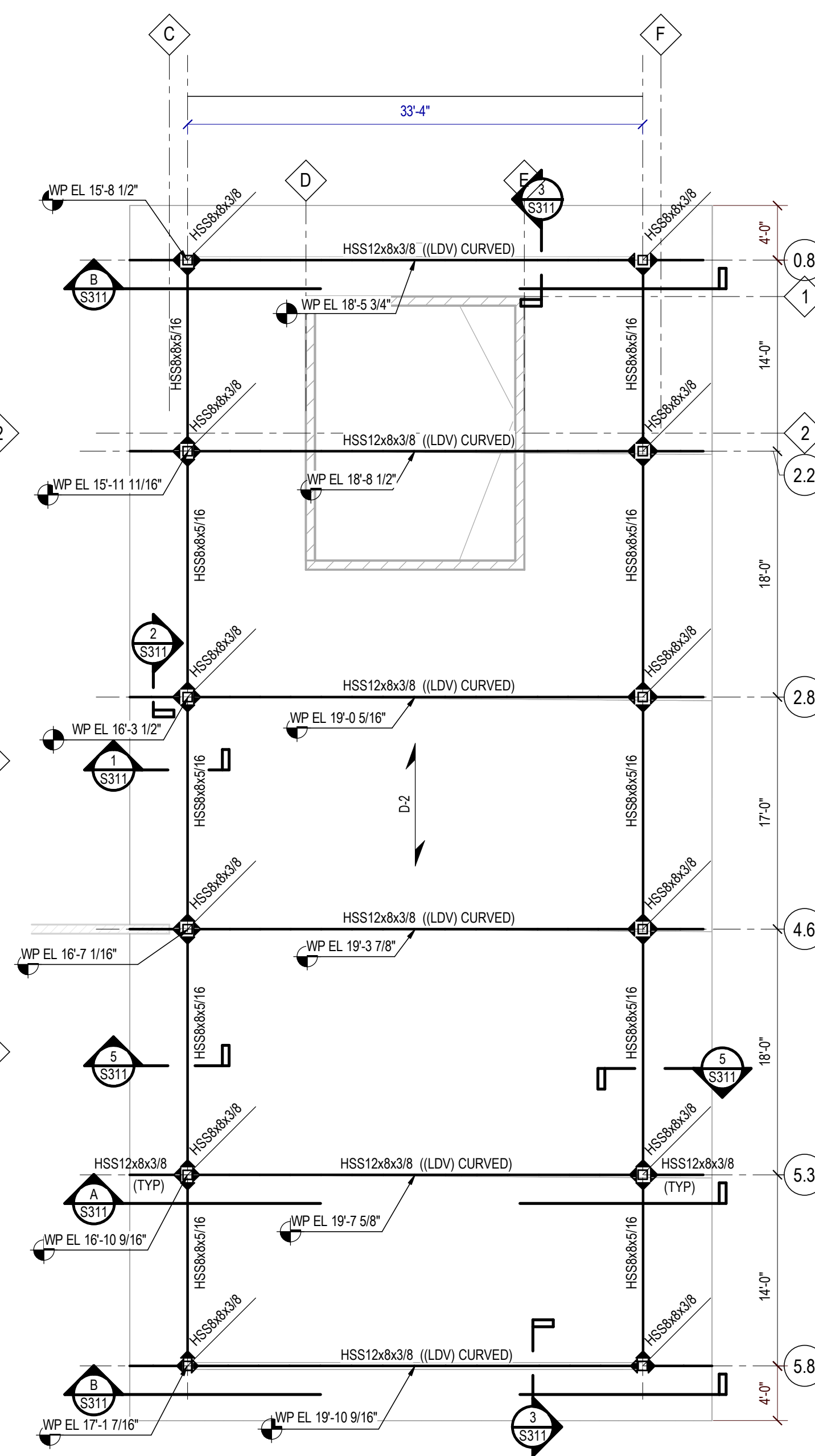
SNOW DRIFT & WIND LOADING PLANS

SHEET NO.

S005

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

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

ROOF FRAMING KEYNOTES	
NO.	DESCRIPTION
K1	POST-INSTALLED CANOPY ATTACHMENT BY OTHERS.
K2	EXIST GLULAM TRUSS TO REMAIN.
K3	SUSPEND UNIT BELOW FRAMING, SEE ARCH.
K4	HSS TUBE, SEE RELATED DETAILS.

ROOF PLAN NOTES:

1. TJOIST & TYSHEEL BEAM EL NOTED ON PLAN.
2. JOIST MANUFACTURER:
 - A. ROOF JOIST & JOIST GIRDERS ARE SUBJECT TO A NET UPLIFT DUE TO WIND. SEE GENERAL NOTES FOR NET UPLIFT.
 - B. JOIST MANUFACTURER TO DESIGN JOISTS FOR ADDITIONAL WEIGHT OF ROOF TOP UNITS SHOWN ON DRAWINGS.
3. DOORS AND WINDOWS ARE SHOWN IN APPROXIMATE LOCATIONS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
4. SEE SHEET S002 FOR ABBREVIATIONS & LEGEND (SYMBOLS).
5. SEE ARCHITECTURAL DRAWINGS FOR ROOF MATERIALS, BUILD-UP AREAS & SLOPES TO DRAINS.
6. EXISTING FRAMING SHOWN IN PER EXISTING DRAWINGS BY SHELL & MEYER ASSOCIATES, INC DATED 05/24/1996 & LIMITED FIELD MEASUREMENTS.

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ROOF FRAMING PLAN

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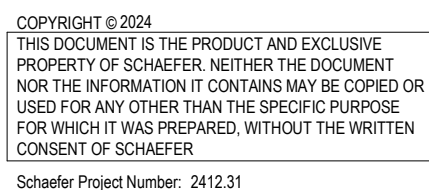
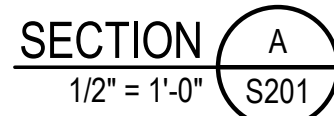
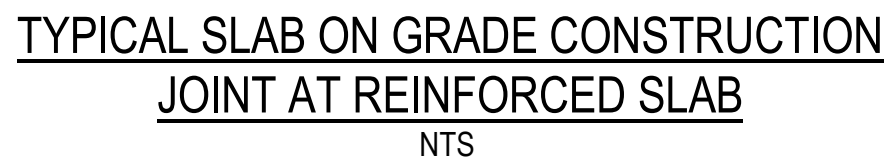
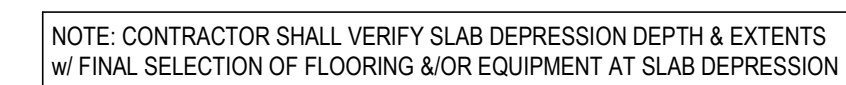
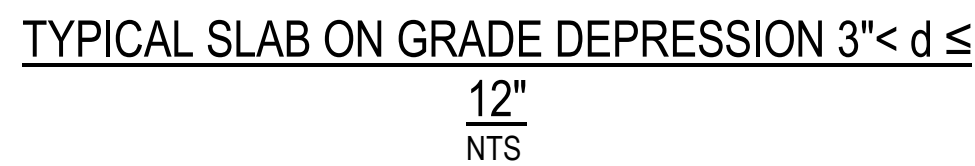
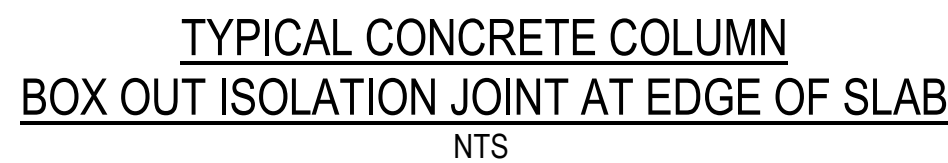
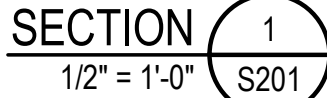
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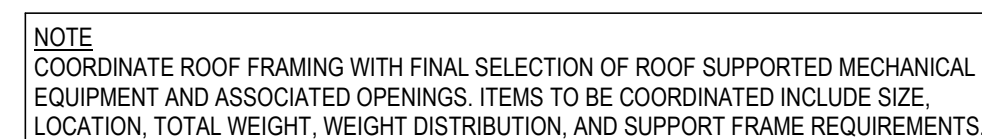
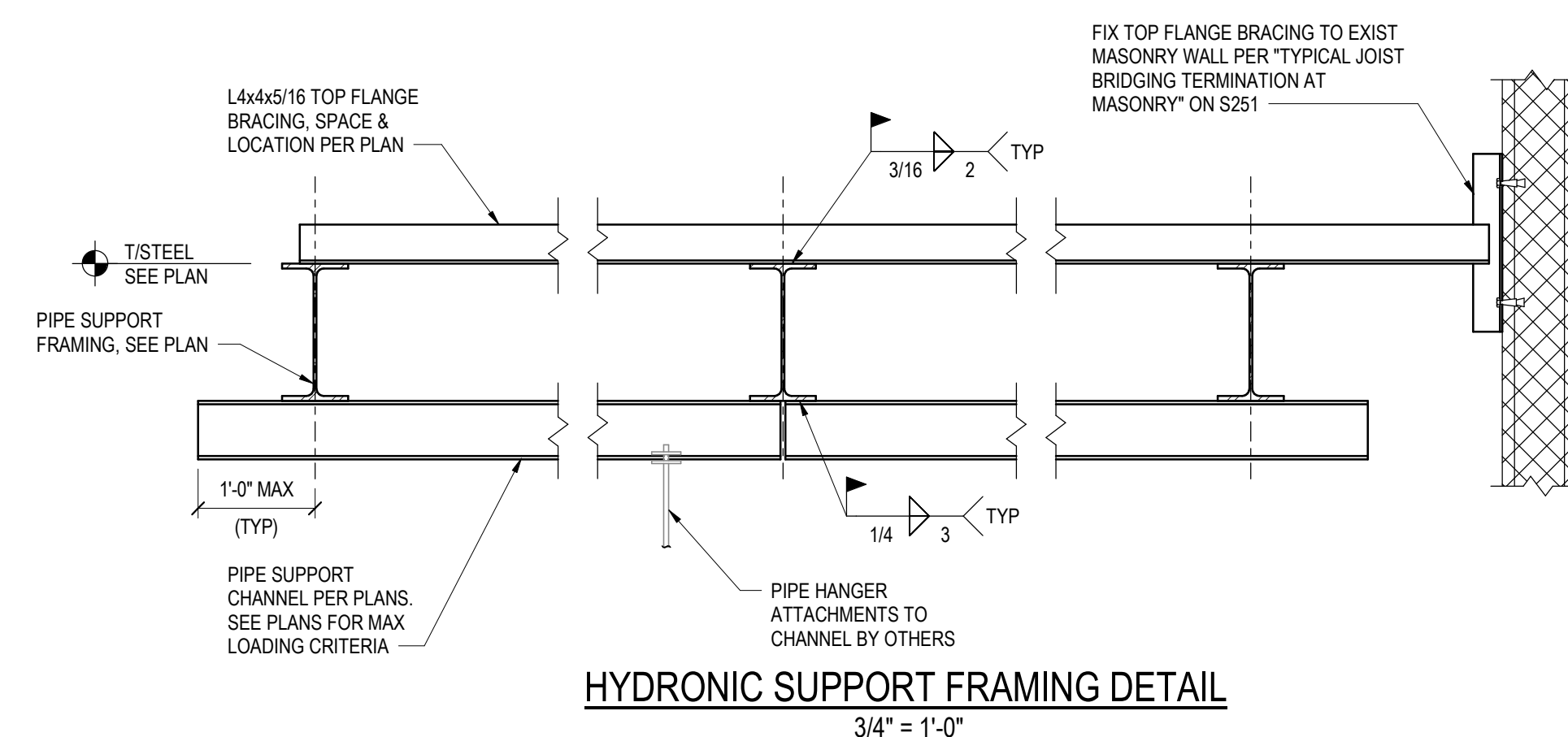
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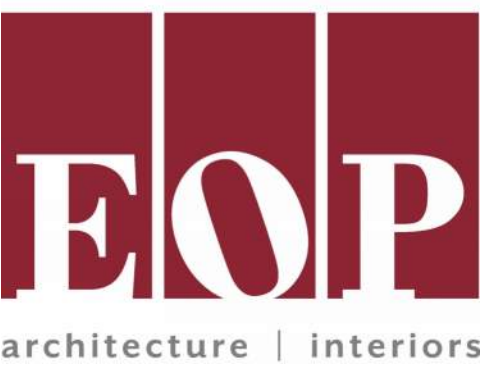
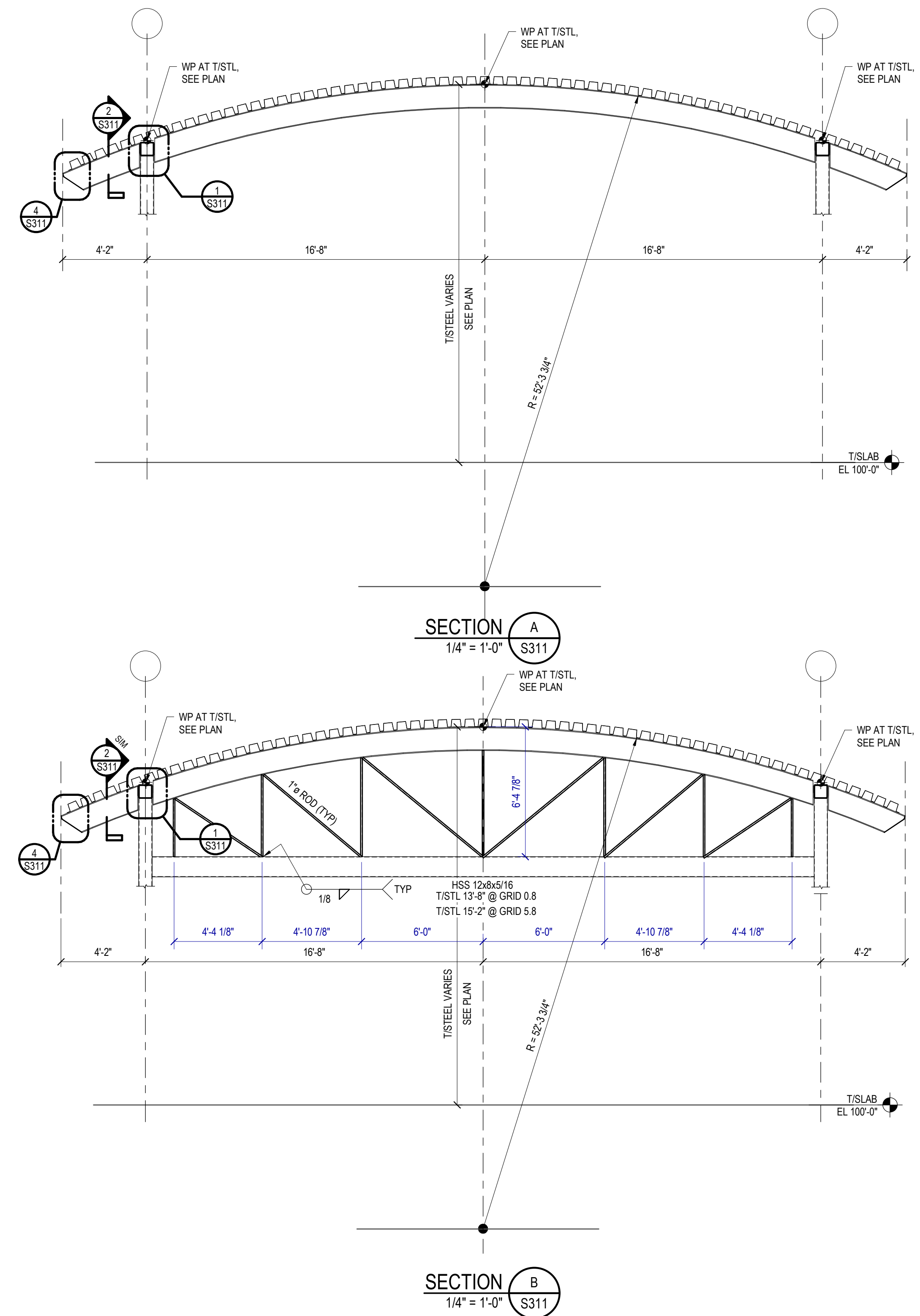
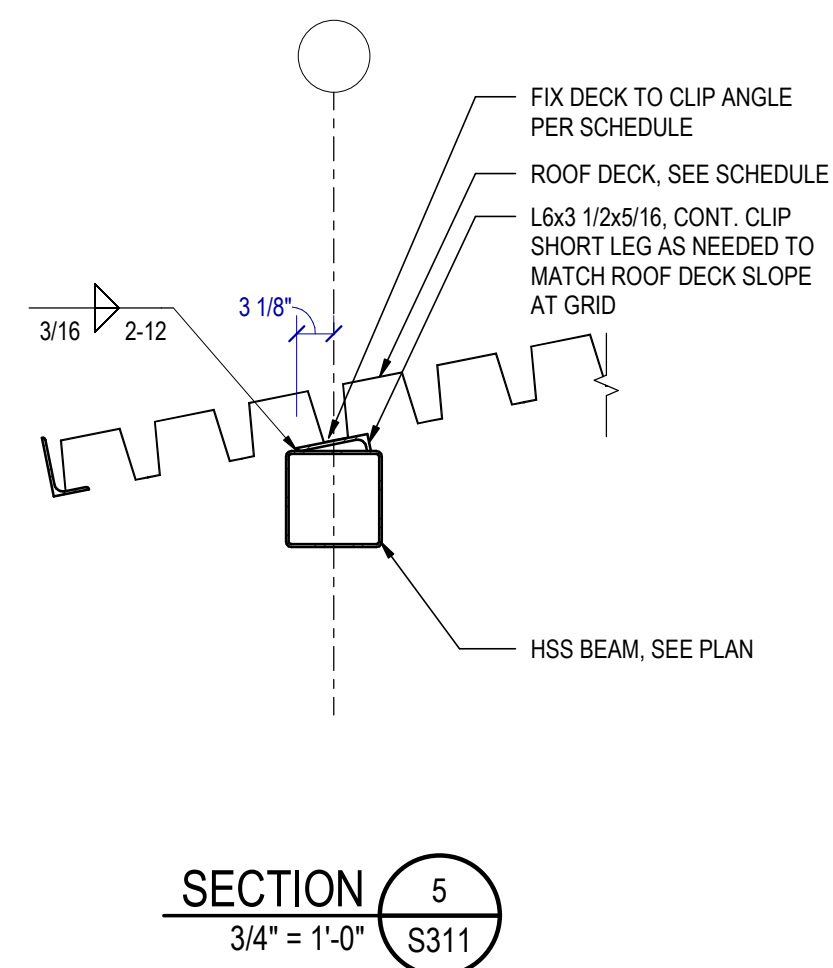
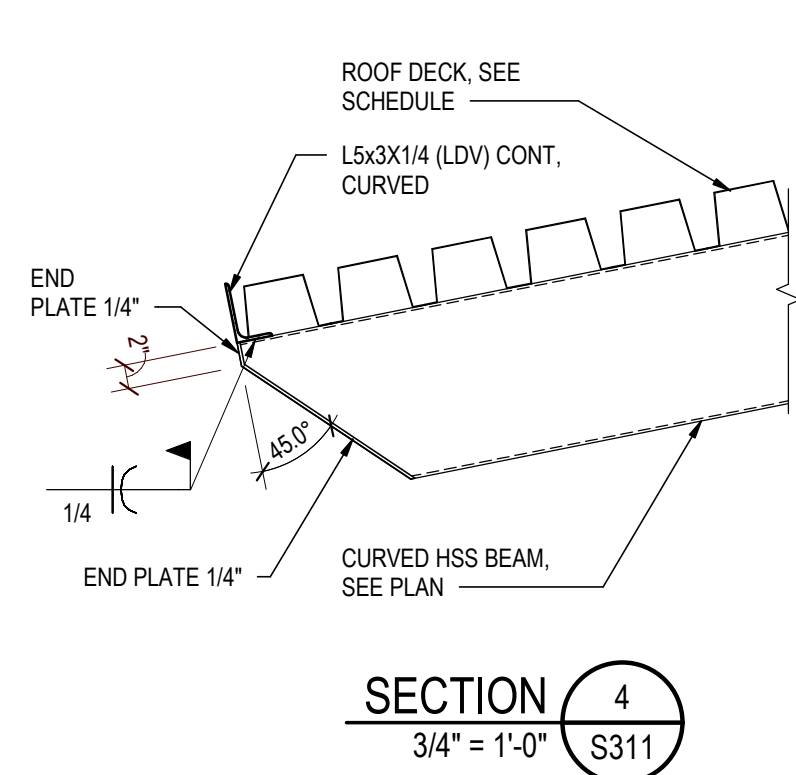
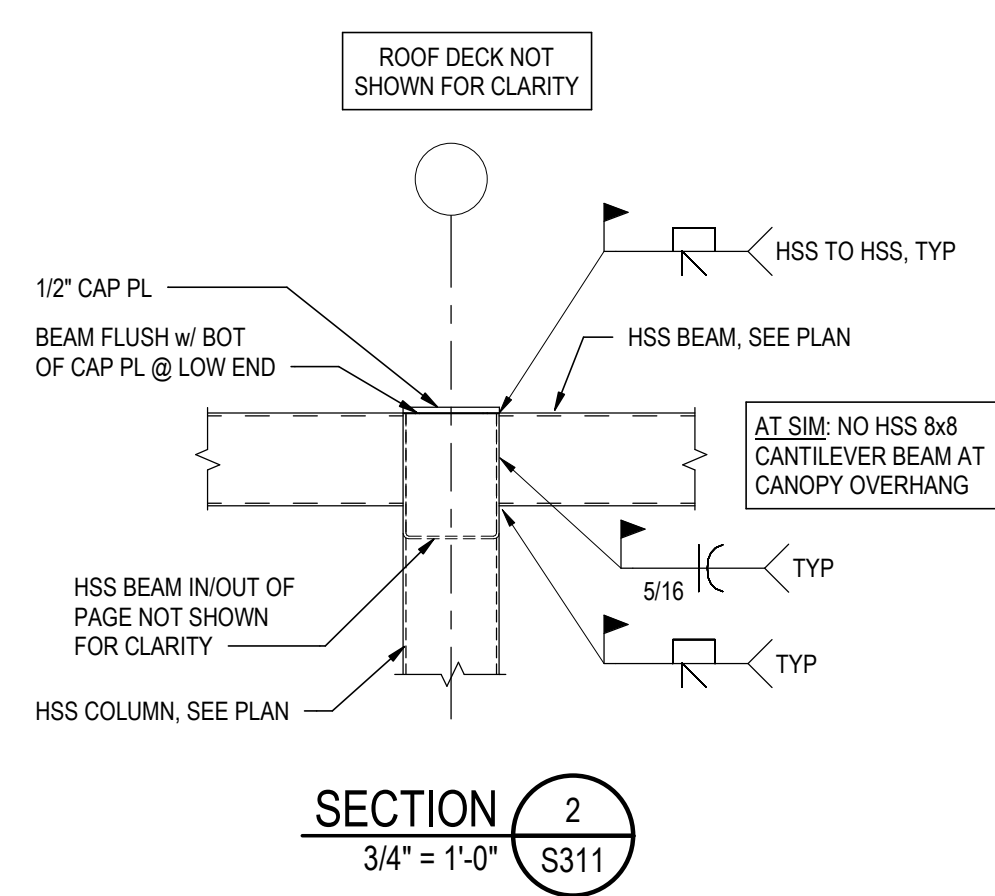
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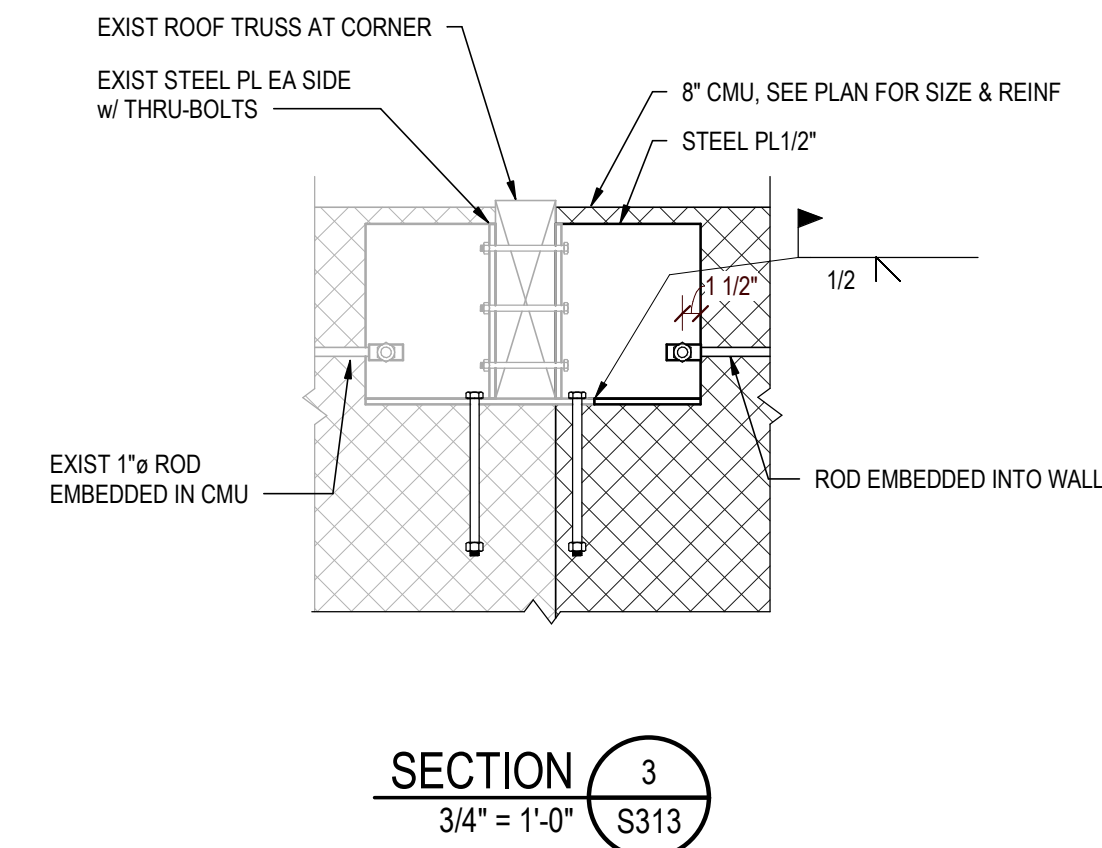
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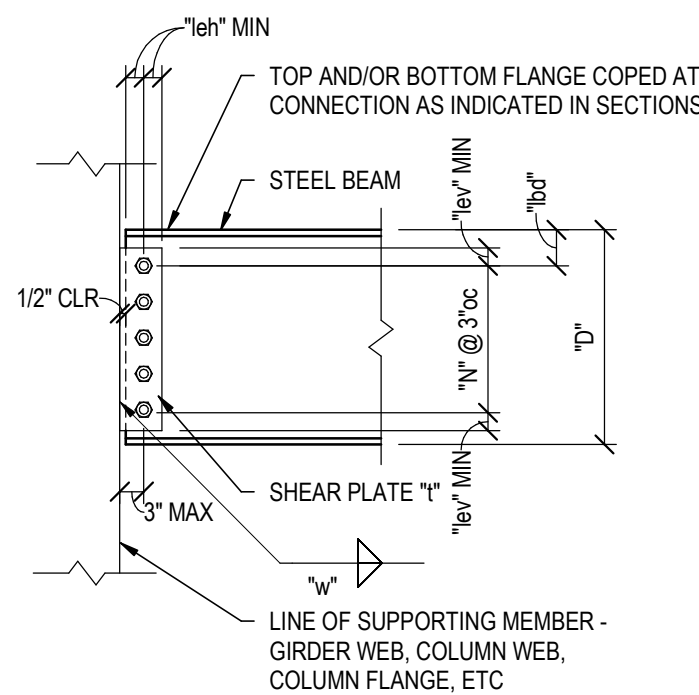
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METAL DECK SCHEDULE			
MARK	SIZE/PROPERTIES	PROFILE/ATTACHMENT	FASTENERS
D-1	TYPE : 1 1/2" WIDE RIB ROOF DECK GA: 22GA Fy (MIN): 50 KSI FINISH: STANDARD SHOP COAT	<p>36" COVERAGE SHEET COVER WIDTH</p> <p>SUPPORT FASTENERS AT SHEET END LAPS, AT WALLS, & AT BEAM LINES w/ AXIAL LOADS</p> <p>SUPPORT FASTENERS BETWEEN SHEET LAPS AT SUPPORTING STRUCTURE 36" PATTERN</p> <p>FASTENERS AT WALLS/GIRDERS</p>	SIDELAP: MIN (3) #10 SDS CONNECTIONS PER SPAN SUPPORT FASTENERS: 5/8" ø PUDDLE WELD
D-2	TYPE : DEEP-DEK 4.5 GA: 18GA Fy (MIN): 40 KSI FINISH: GALVANIZED	<p>7 7/8"</p> <p>12" COVERAGE</p> <p>SUPPORT FASTENERS AT SHEET END LAPS, AT WALLS, & AT BEAM LINES w/ AXIAL LOADS</p> <p>SUPPORT FASTENERS BETWEEN SHEET LAPS AT SUPPORTING STRUCTURE</p> <p>FASTENERS AT WALLS/GIRDERS</p>	SIDELAP: MIN (18) #10 SDS CONNECTIONS PER SPAN SUPPORT FASTENERS: 5/8" ø PUDDLE WELD

NOMINAL W BEAM OR CONNECTION DEPTH "D"	NUMBER OF 3/4" Ø (ASTM A325) BOLTS "n"	SHEAR PLATE (ASTM A36, 36 ksi) THICKNESS "t"	SHEAR PLATE WELD SIZE "w"	CONNECTION CAPACITIES		MAX COPE DEPTH "l _{cv} "	MAX COPE LENGTH "l _{ch} "	DISTANCE TO FIRST BOLT "l _{bd} "
				ASD	LRFD			
8" - 11"	2	5/16"	1/4"	9.9 k	14.8 k	3/4"	3"	2 1/2"
12" - 15"	3	5/16"	1/4"	13.5 k	20.3 k	1 1/4"	6"	3"
16" - 17"	4	5/16"	1/4"	33 k	50 k	1 1/4"	6"	3"
18" - 20"	5	5/16"	1/4"	53 k	79 k	1 1/4"	6"	3"
21" - 23"	6	5/16"	1/4"	59 k	89 k	1 1/4"	6"	3"
24" - 26"	7	5/16"	1/4"	72 k	108 k	1 1/4"	6"	3"

- NOTES:
1. SINGLE-PLATE SHEAR CONNECTIONS IDENTIFIED IN TYPICAL SINGLE-PLATE SHEAR CONNECTION SCHEDULE AND TYPICAL SINGLE-PLATE SHEAR CONNECTION DETAILS HAVE BEEN DESIGNED BY EOR AND MAY BE USED WHERE CONNECTION LOADS AND FORCES ARE NOT SHOWN ON PLANS (UNO, SEE NOTE 2).
 2. ALTERNATE SHEAR CONNECTIONS MAY BE USED IN LIEU OF SINGLE-PLATE SHEAR CONNECTIONS AT CONTRACTOR'S OPTION. DESIGN OF ALTERNATE CONNECTIONS (IF USED) IS DESIGNATED TO LICENSED ENGINEER WORKING FOR FABRICATOR (AISC 302-22, OPTION 3). REQUIREMENTS FOR ALTERNATE CONNECTIONS:
 - A. CAPACITIES OF ALTERNATE CONNECTIONS SHALL EQUAL OR EXCEED CAPACITIES OF SINGLE-PLATE CONNECTIONS IDENTIFIED IN TYPICAL SINGLE-PLATE SHEAR CONNECTION SCHEDULE.
 - B. FABRICATOR SHALL SUBMIT REPRESENTATIVE SAMPLES OF SUBSTANTIATING CONNECTION INFORMATION FOR ALL ALTERNATE SHEAR CONNECTIONS. SAMPLES SHALL BE SUBMITTED FOR EOR REVIEW PRIOR TO PREPARATION OF STEEL SHOP DRAWINGS.

NOTES:
SEE TYPICAL SINGLE-PLATE SHEAR CONNECTION
SCHEDULE.
HOLES IN SHEAR PLATE MAY BE STANDARD OR SHORT
SLOTTED.
"leh" MIN = 1 1/2" "lev" MIN = 1 1/4".



TYPICAL SINGLE-PLATE SHEAR CONNECTION DETAIL

SCHEDULE OF TENSION DEVELOPMENT AND LAP SPLICE LENGTHS

FOOTINGS ($P_c = 3000\text{PSI}$)					
BAR SIZE	Ld		Ls		Ldh
	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	
	(in)	(in)	(in)	(in)	
#3	17	22	22	28	8
#4	22	29	29	38	12
#5	28	36	36	47	16
#6	33	43	43	56	21
#7	48	63	63	81	27
#8	55	72	72	93	32
#9	62	81	81	105	39
#10	70	91	91	118	46
#11	78	101	101	131	54
#14	93	121	121	157	71

LAP AND DEVELOPMENT TABLE CRITERIA:

- A. GRADE 60 UNCOATED REINFORCING STEEL
i. FOR EPOXY COATED: MULTIPLY Ld, Ls BY 1.5; Ldh BY 1.2
- B. NORMAL WEIGHT CONCRETE
i. FOR LIGHTWEIGHT CONCRETE: MULTIPLY Ld, Ls, Ldh BY 1.33
- C. CLEAR COVER GREATER THAN db
- D. MIN 2"db CLEAR SPACING BETWEEN BARS

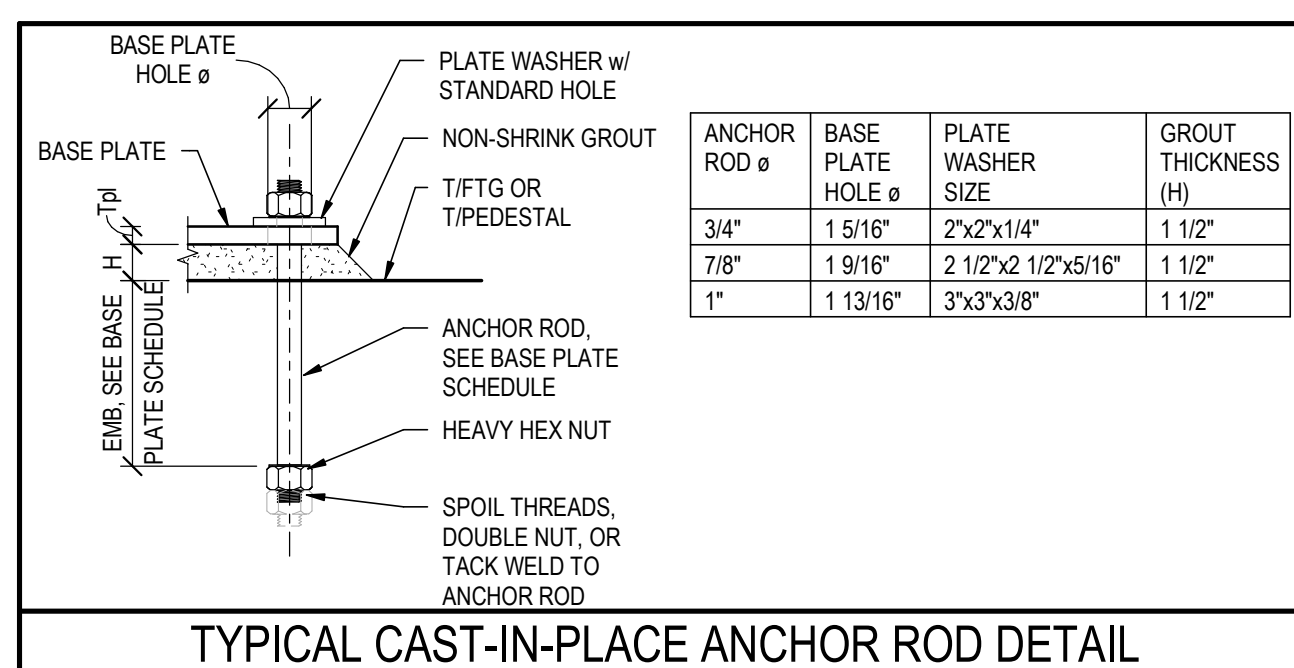
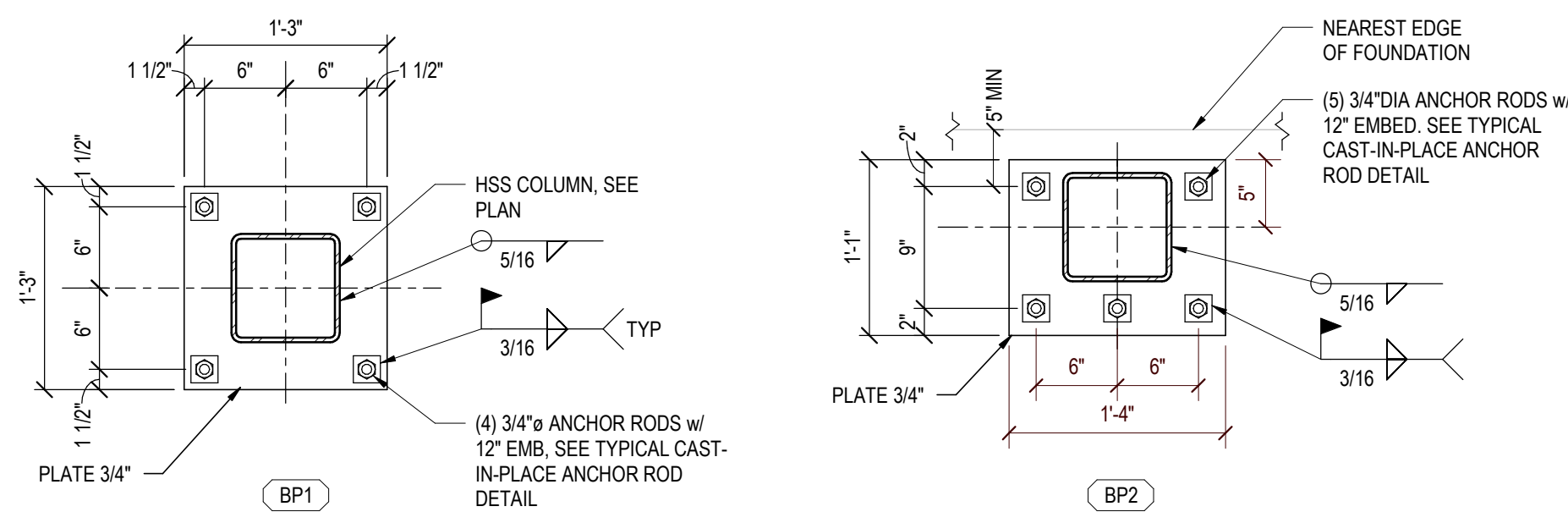
FOR BARS THAT DO NOT MEET THE CLEAR COVER OR CLEAR SPACING INDICATED:

- #6 AND SMALLER: Ld = 66 BAR DIAMETERS; Ls = 86 BAR DIAMETERS
#7 AND LARGER: Ld = 83 BAR DIAMETERS; Ls = 107 BAR DIAMETERS
FOR TOP BARS MULTIPLY BY 1.3
MINIMUM Ld AND Ls = 12"

LAP AND DEVELOPMENT TABLE NOTES & DEFINITIONS:

- A. TOP BARS = HORIZ BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BARS
- B. db = BAR DIAMETER
- C. s = CENTER-TO-CENTER BAR SPACING
- D. Ath = TOTAL AREA OF TIES OR STIRRUPS CONFINING HOOKED BARS
- E. Ahs = TOTAL AREA OF HOOKED BARS BEING DEVELOPED
- F. WHERE BARS OF DIFFERENT SIZES ARE SPLICED, Ls FOR THE LARGER BAR SHALL BE USED
- G. ALL TENSION SPLICES SHALL BE CLASS B, UNLESS NOTED OTHERWISE
- H. Ldh VALUES FOR #11 BARS AND SMALLER MAY BE REDUCED AS FOLLOWS (PER ACI 318-19)
 - i. MULTIPLY BY 0.625 FOR (1) OR (2)
 - (1) $Ath \geq 0.40Ahs$
 - (2) $s \geq 6db$
 - ii. MULTIPLY BY 0.80 FOR (3) OR (4)
 - (3) HOOK TERMINATES IN COLUMN CORE & SIDE COVER NORMAL TO PLANE OF HOOK $\geq 2.5"$
 - (4) SIDE COVER NORMAL TO PLANE OF HOOK $\geq 6db$
 - iii. Ldh SHALL NOT BE LESS THAN THE LARGER OF $8db$ OR $6"$ WITH REDUCTIONS APPLIED

BASE PLATE SCHEDULE



ANCHOR ROD Ø	BASE PLATE HOLE Ø	PLATE WASHER SIZE	GROUT THICKNESS (H)
3/4"	1 5/16"	2"x2"x1/4"	1 1/2"
7/8"	1 9/16"	2 1/2"x2 1/2"x5/16"	1 1/2"
1"	1 13/16"	3"x3"x3/8"	1 1/2"

STRUCTURAL ENGINEERS
800.542.3302
schaefer-inc.com

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Schaefer Project Number: 2412.31



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Sycamore Trails Aquatic
Center

400 S Heincke Rd, Miamisburg, OH
45342

ISSUANCES

[illegible]

Drawn By

WCM

Checked By
QCB

Client
Number

Project Number	2412.31
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DRAWING TITLE

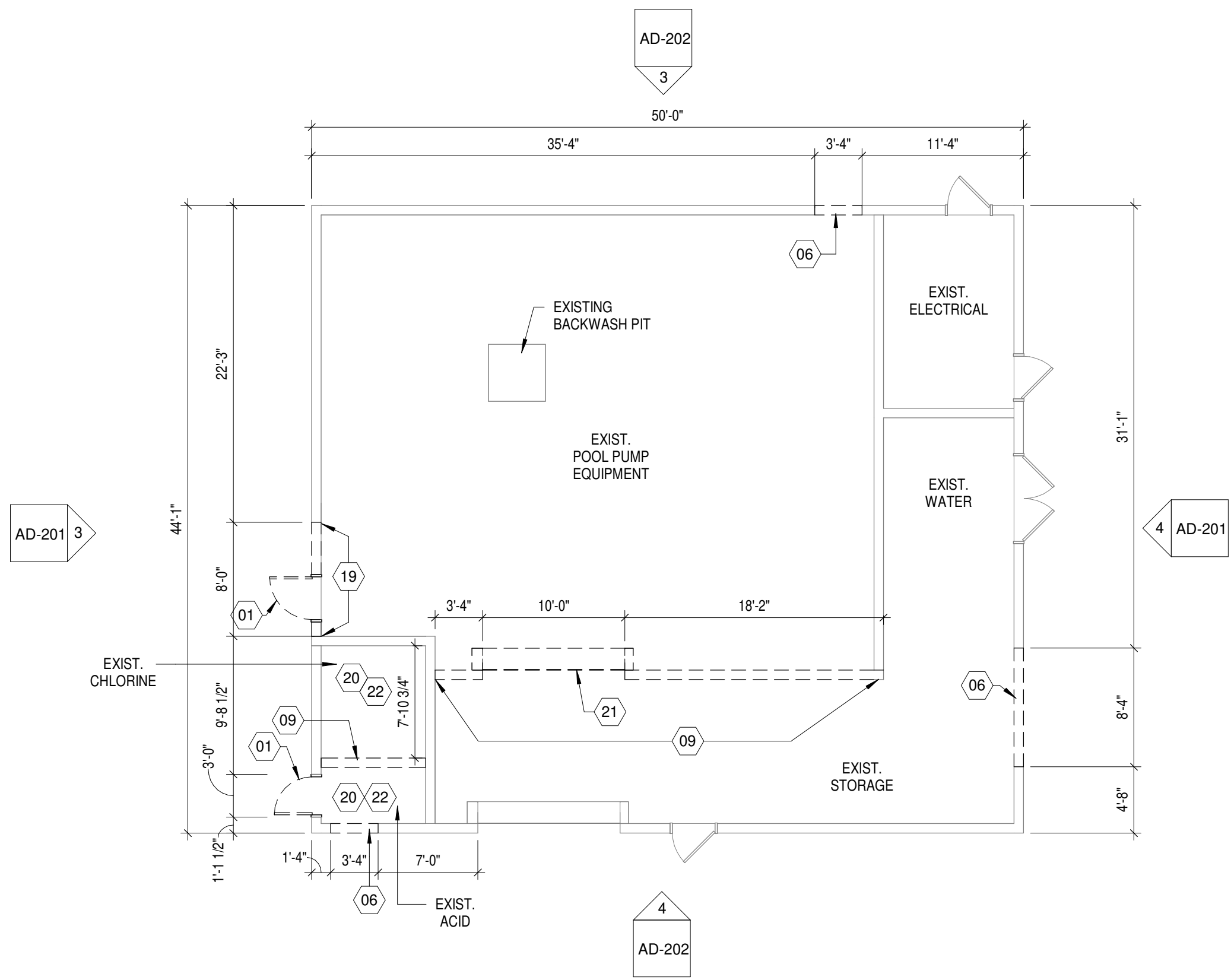
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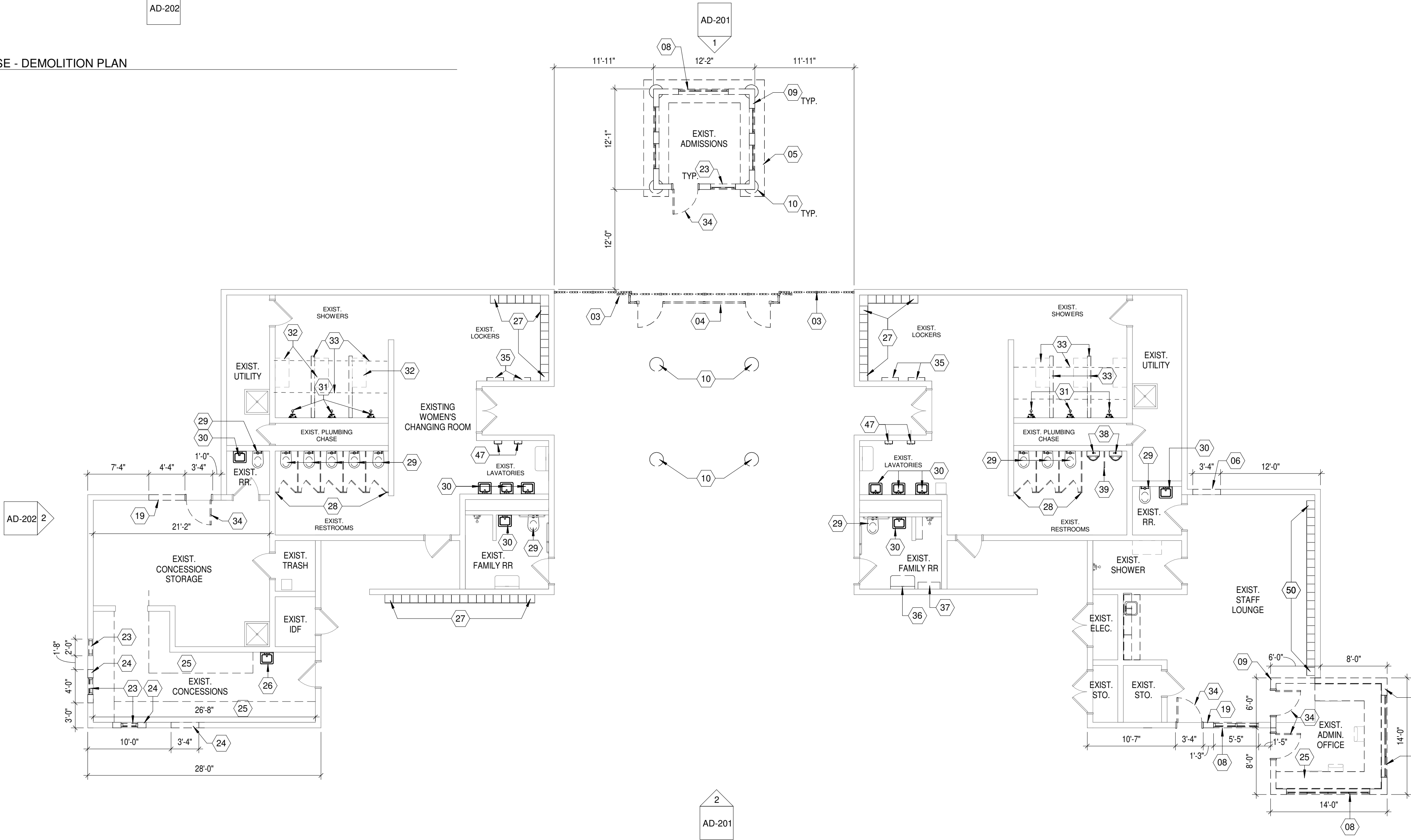
S500

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2 EXISTING PUMP HOUSE - DEMOLITION PLAN
1/8" = 1'-0"



1 EXISTING CHANGE ROOM BUILDING - DEMOLITION PLAN
1/8" = 1'-0"

GENERAL NOTES - DEMO

- A. REFER TO SHEET -G002 FOR ADDITIONAL DEMOLITION GENERAL NOTES.
- B. REFER TO DISCIPLINE-SPECIFIC DRAWINGS (STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, TECHNOLOGY, FIRE PROTECTION) FOR NON-ARCHITECTURAL DEMOLITION WORK.
- C. INFILL ANY VOIDS IN PARTITIONS ARISING OUT OF DEMOLITION AND CONSTRUCTION ACTIVITY.
- D. ALL CEILING GRID, CEILING TILE, LIGHT FIXTURES, DIFFUSERS, ETC. SHALL BE REMOVED IN AREA OF WORK, U.N.O.
- E. PROTECT ANY TO FIRE PROTECTION DEVICES AS REQUIRED BY FIRE PROTECTION DRAWINGS.
- F. PROTECT ANY EXISTING SPRINKLER HEADS AND PIPING, AS REQUIRED FOR DURATION OF THE PROJECT.
- G. REMOVE ANY/ALL ABANDONED ABOVE CEILING INFRASTRUCTURE (ESPECIALLY LOW VOLTAGE CABLING AND EMPTY CONDUIT)

DRAWING NOTES

- 01 REMOVE EXISTING INSULATED HOLLOW METAL DOOR AND FRAME, TURN DOOR HARDWARE BACK OVER TO OWNER.
- 03 REMOVE EXISTING METAL SLIDING SECURITY GATE, PATCH EXISTING CONCRETE WALK-WAY AS REQUIRED.
- 04 REMOVE EXISTING ENTRY TURSTILES, TURN OVER TO OWNER.
- 05 REMOVE EXISTING STAINLESS STEEL COUNTER IN ITS ENTIRITY.
- 06 REMOVE EXISTING CONCRETE MANSRY UNIT WALL TO 7'-4" A.F.F. FOR NEW DOOR OPENING, REFER TO NEW WORK PLAN.
- 08 REMOVE EXISTING INSULATED ALUMINUM STOREFRONT AND GLAZING WINDOW.
- 09 REMOVE EXISTING CONCRETE BLOCK WALL.
- 10 REMOVE EXISTING CONCRETE AND STEEL SUPPORT COLUMNS.
- 19 REMOVE EXISTING CONCRETE MASONRY WALL TO 8'-0" A.F.F., INSTALL NEW STEEL LINTEL, REFER TO STRUCTURAL DRAWINGS.
- 20 REMOVE EXISTING WOOD RAISED FLOORING IN CHEMICAL ROOMS.
- 21 REMOVE EXISTING SURFACE MOUNTED OVERHEAD SOLLING DOOR AND MECHANISMS.
- 22 REMOVE EXISTING EMERGENCY EYE WASH AND CORRODED PLUMBING PIPING BACK TO MAIN SOURCE. REMOVE ANY EXISTING PVC PIPING, TUBING, ADN EQUIPMENT IN ROOMS BACK TO MAIN AQUATIC PUMP EQUIPMENT.
- 23 REMOVE EXISTING VERTICAL SLIDING PASS-THRU WINDOW.
- 24 REMOVE EXISTING CONCRETE MASONRY WALL FOR NEW PASS-THRU WINDOW. REFER TO NEW WORK DRAWINGS.
- 25 REMOVE EXISTING PLASTIC LAMINATE COUNTER AND SUPPORTS.
- 26 REMOVE EXISTING LAVATORY / SINK, CAP SANITARY AT WALL OR FLOOR, REMOVE SUPPLY LINES BACK TO MAIN LINES.
- 27 REMOVE EXISTING PREFINISHED METAL LOCKERS.
- 28 REMOVE EXISTING STAINLESS STEEL FLOOR SUPPORTED TOILET PARTITIONS.
- 29 REMOVE EXISTING WALL MOUNTED WATER CLOSETS.
- 30 REMOVE EXISTING WALL MOUNTED LAVATORIES.
- 31 REMOVE EXISTING SHOWER HEADS, REPAIR WALL WHERE REQUIRED PER NEW WORK DRAWINGS.
- 32 REMOVE EXISTING SHOWER BENCHES.
- 33 REMOVE EXISTING SHOWER SEPARATION WALLS AND SHOWER CURTAINS.
- 34 REMOVE EXISTING HOLLOW METAL DOORS AND FRAMES.
- 35 REMOVE EXISTING WALL HOOKS.
- 36 REMOVE EXISTING WALL MOUNTED CHANGING TABLE.
- 37 REMOVE EXISTING BENCH.
- 38 REMOVE EXISTING WALL MOUNTED URINAL, REPAIR WALL AS REQUIRED PER NEW WORK.
- 39 REMOVE EXISTING STAINLESS STEEL URINAL SCREEN.
- 47 EXISTING ELECTRIC WALL MOUNTED HAND DRYERS TO BE REMOVED.
- 50 REMOVE EXISTING PRE-FINISHED MULTI-TIER METAL LOCKERS, REPAIR EXISTING CMU WALL AS REQUIRED.



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No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By

CAS

Checked By

CAS

Client

Number

948

Project

Number

7383

DRAWING TITLE

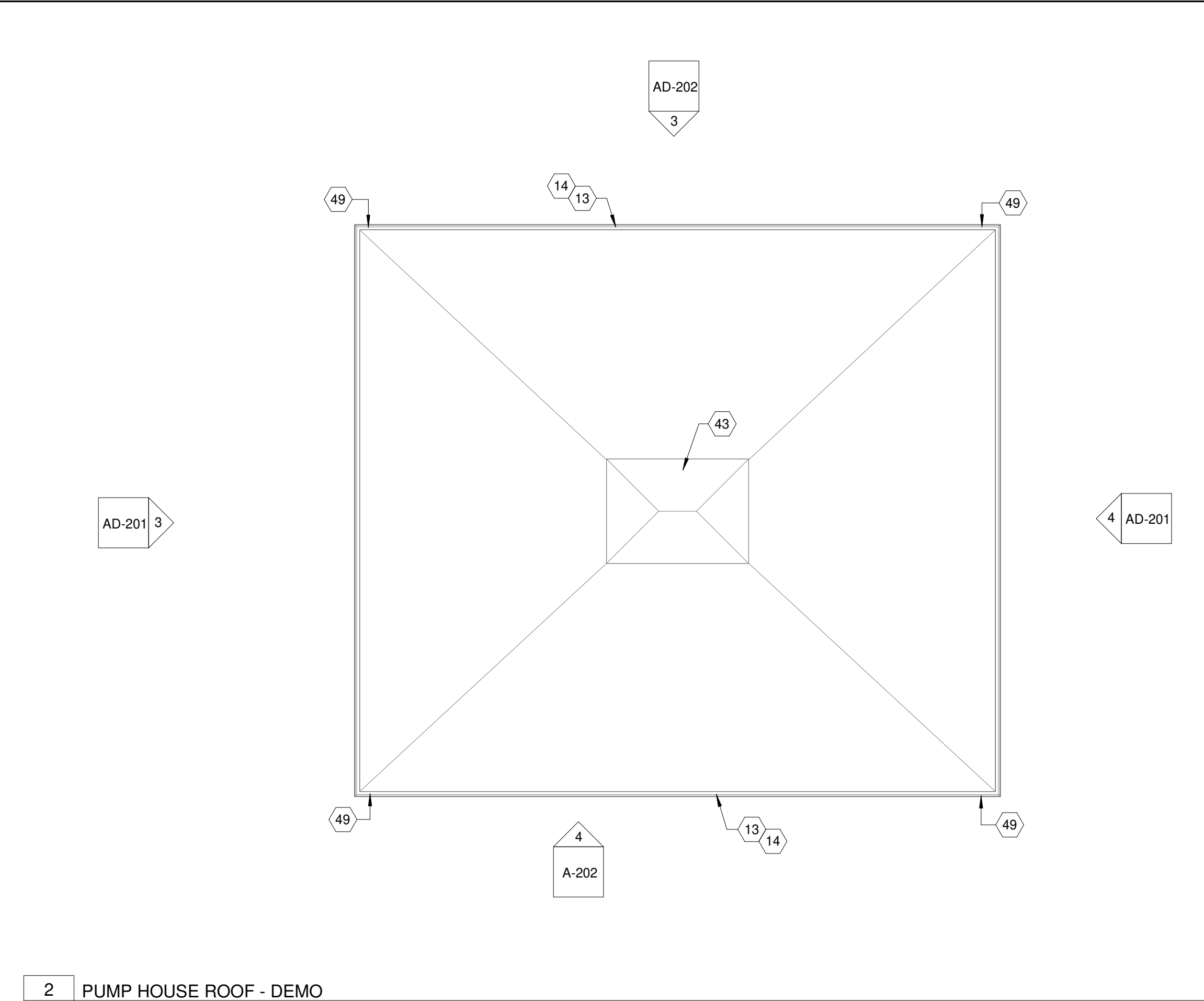
DEMOLITION - FLOOR
PLANS

SHEET NO.

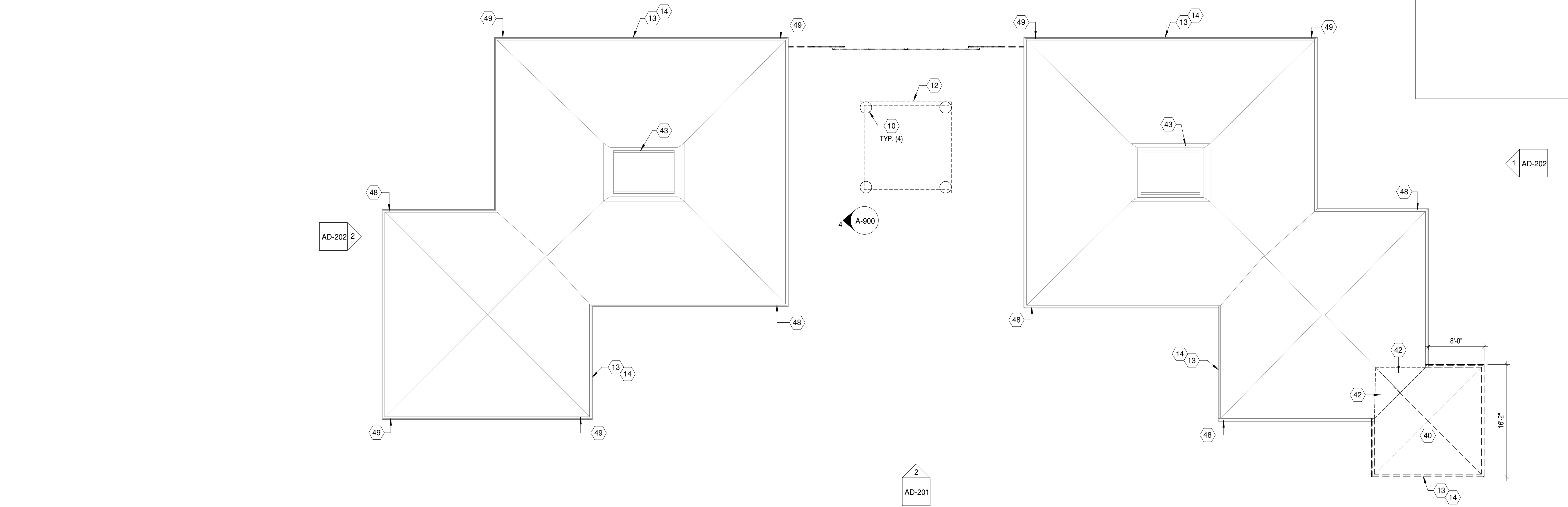
AD-101

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2 PUMP HOUSE ROOF - DEMO
AD-102 1/8" = 1'-0"



1 CHANGE & RESTROOM BUILDING ROOF - DEMO
AD-102 1/8" = 1'-0"

GENERAL NOTES - DEMO

- A. REFER TO SHEET -G002 FOR ADDITIONAL DEMOLITION GENERAL NOTES.
B. REFER TO DISCIPLINE-SPECIFIC DRAWINGS (STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, TECHNOLOGY, FIRE PROTECTION) FOR NON-ARCHITECTURAL DEMOLITION WORK.
C. INFILL ANY VOIDS IN PARTITIONS ARISING OUT OF DEMOLITION AND CONSTRUCTION ACTIVITY.
D. ALL CEILING GRID, CEILING TILE, LIGHT FIXTURES, DIFFUSERS, ETC. SHALL BE REMOVED IN AREA OF WORK, U.N.O.
E. PROTECT ANY TO FIRE PROTECTION DEVICES AS REQUIRED BY FIRE PROTECTION DRAWINGS.
F. PROTECT ANY EXISTING SPRINKLER HEADS AND PIPING, AS REQUIRED FOR DURATION OF THE PROJECT.
G. REMOVE ANY/ALL ABANDONED ABOVE CEILING INFRASTRUCTURE (ESPECIALLY LOW VOLTAGE CABLING AND EMPTY CONDUIT)

DRAWING NOTES

- 10 REMOVE EXISTING CONCRETE AND STEEL SUPPORT COLUMNS.
12 REMOVE EXISTING DECORATIVE TOWER ELEMENT IN ITS ENTIRITY.
13 REMOVE EXISTING PRE-FINISHED METAL GUTTER AND DOWNSPOUTS, REFER TO NEW WORK DRAWINGS FOR REPLACEMENTS.
14 REMOVE EXISTING PRE-FINISHED METAL SOFFIT VENTS AND FASCIA TRIM, REFER TO NEW WORK DRAWINGS FOR REPLACEMENTS.
40 REMOVE EXISTING PRE-FINISHED STANDING SEAM METAL ROOFING PANELS AND ROOFING STRUCTURE.
42 REMOVE EXISTING ROOF OVER FRAMING, REVISE FOR NEW ROOF LAYOUT, REFER TO NEW WORK PLAN.
43 EXISTING CUPOLA TO REMAIN, PREP FOR NEW PAINT COLORS.
48 CUTT OFF PORTION OF EXISTING DOWNSPOUT TO DRAIN ONTO NEW ROOF MEMBRANE AREA. PROVIDE SPLASH BLOCK AT OUTLET LOCATION.
49 EXISTING DOWNSPOUT TO BE REMOVED AND REPLACED WITH NEW IN SAME LOCATION, COLOR PER EXTERIOR FINISH LEGEND.



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DRAWING TITLE

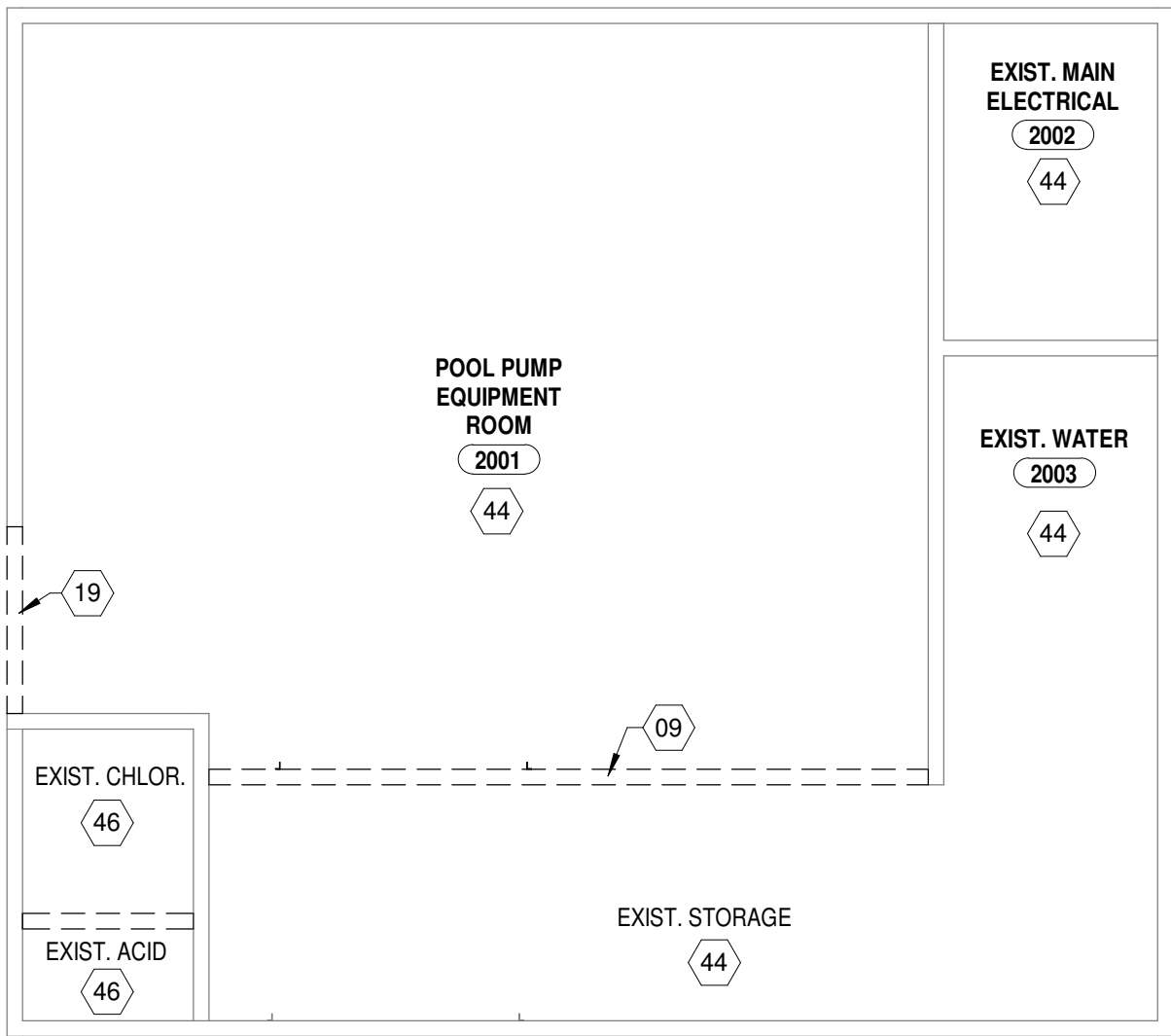
DEMOLITION - ROOF
PLANS

SHEET NO.

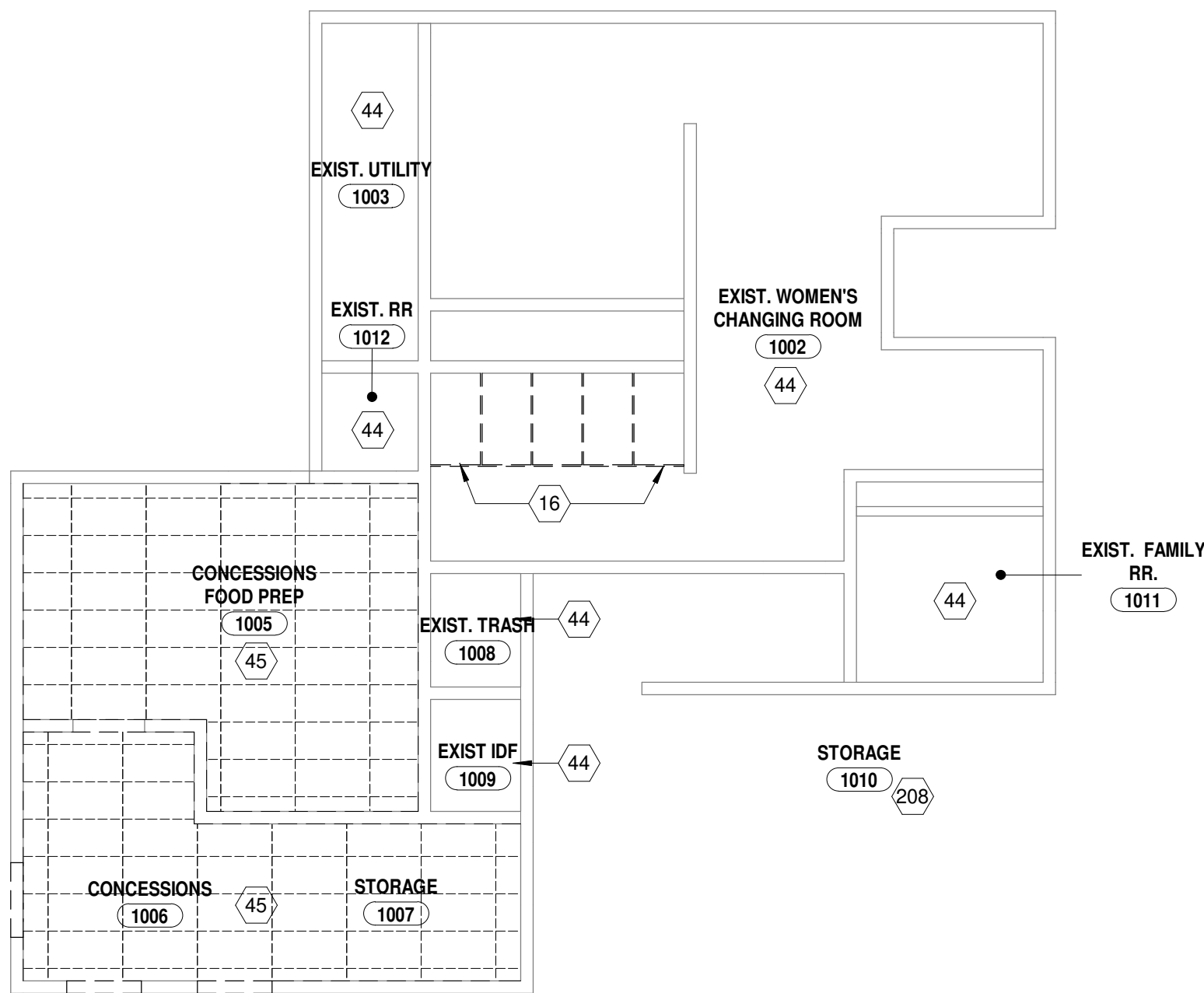
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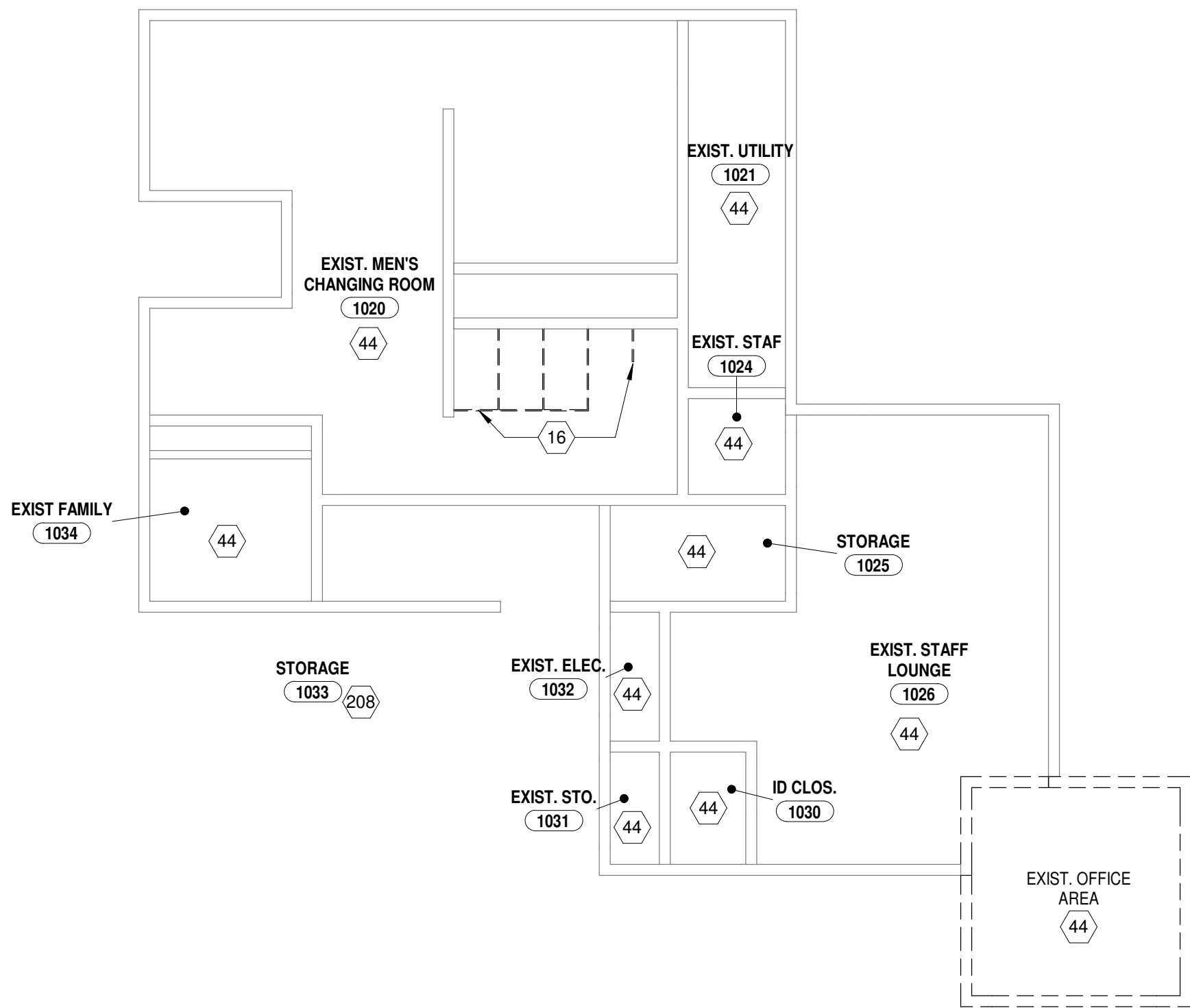
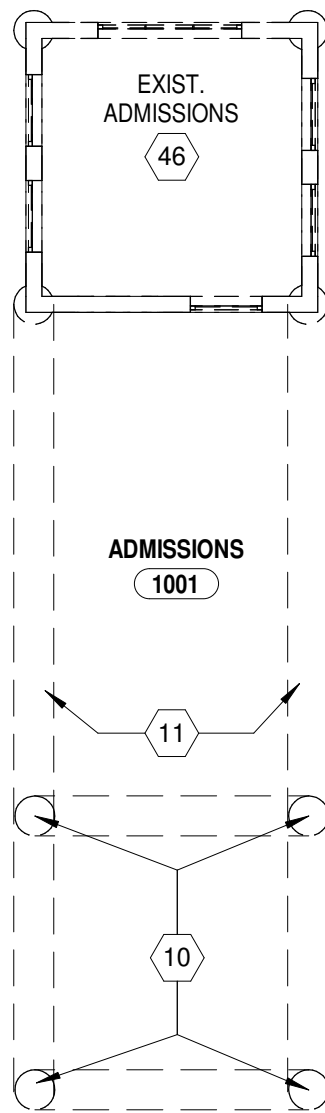
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2 PUMP HOUSE - DEMO
AD-103 1/8" = 1'-0"



1 CHANGE & RESTROOM BUILDING - DEMO
AD-103 1/8" = 1'-0"



DEMO GENERAL NOTES

- A. REFER TO SHEET -G002 FOR ADDITIONAL DEMOLITION GENERAL NOTES.
B. REFER TO DISCIPLINE-SPECIFIC DRAWINGS (STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, TECHNOLOGY, FIRE PROTECTION) FOR NON-ARCHITECTURAL DEMOLITION WORK.
C. INFILL ANY VOIDS IN PARTITIONS ARISING OUT OF DEMOLITION AND CONSTRUCTION ACTIVITY.
D. ALL CEILING GRID, CEILING TILE, LIGHT FIXTURES, DIFFUSERS, ETC. SHALL BE REMOVED IN AREA OF WORK, U.N.O.
E. PROTECT ANY TO FIRE PROTECTION DEVICES AS REQUIRED BY FIRE PROTECTION DRAWINGS.
F. PROTECT ANY EXISTING SPRINKLER HEADS AND PIPING, AS REQUIRED FOR DURATION OF THE PROJECT.
G. REMOVE ANY/ALL ABANDONED ABOVE CEILING INFRASTRUCTURE (ESPECIALLY LOW VOLTAGE CABLING AND EMPTY CONDUIT)

DRAWING NOTES

- 09 REMOVE EXISTING CONCRETE BLOCK WALL.
10 REMOVE EXISTING CONCRETE AND STEEL SUPPORT COLUMNS.
11 REMOVE EXISTING PAINTED STEEL DECORATIVE TRUSS MEMBERS AND FABRIC AWNING MATERIAL.
16 REMOVE EXISTING FLOOR SUPPORTED STAINLESS STEEL TOILET PARTITIONS.
19 REMOVE EXISTING CONCRETE MASONRY WALL TO 8'-0" A.F.F., INSTALL NEW STEEL LINTEL, REFER TO STRUCTURAL DRAWINGS.
44 EXISTING CEILING FINISH TO REMAIN.
45 REMOVE EXISTING 2X4 SUSPENDED ACOUSTICAL CEILING AND GRID.
46 REMOVE EXISTING CEILING, LIGHTING, AND MECHANICAL DIFFUSERS IN THEIR ENTIRETY.
208 EXPOSED CEILING, NO FINISH.



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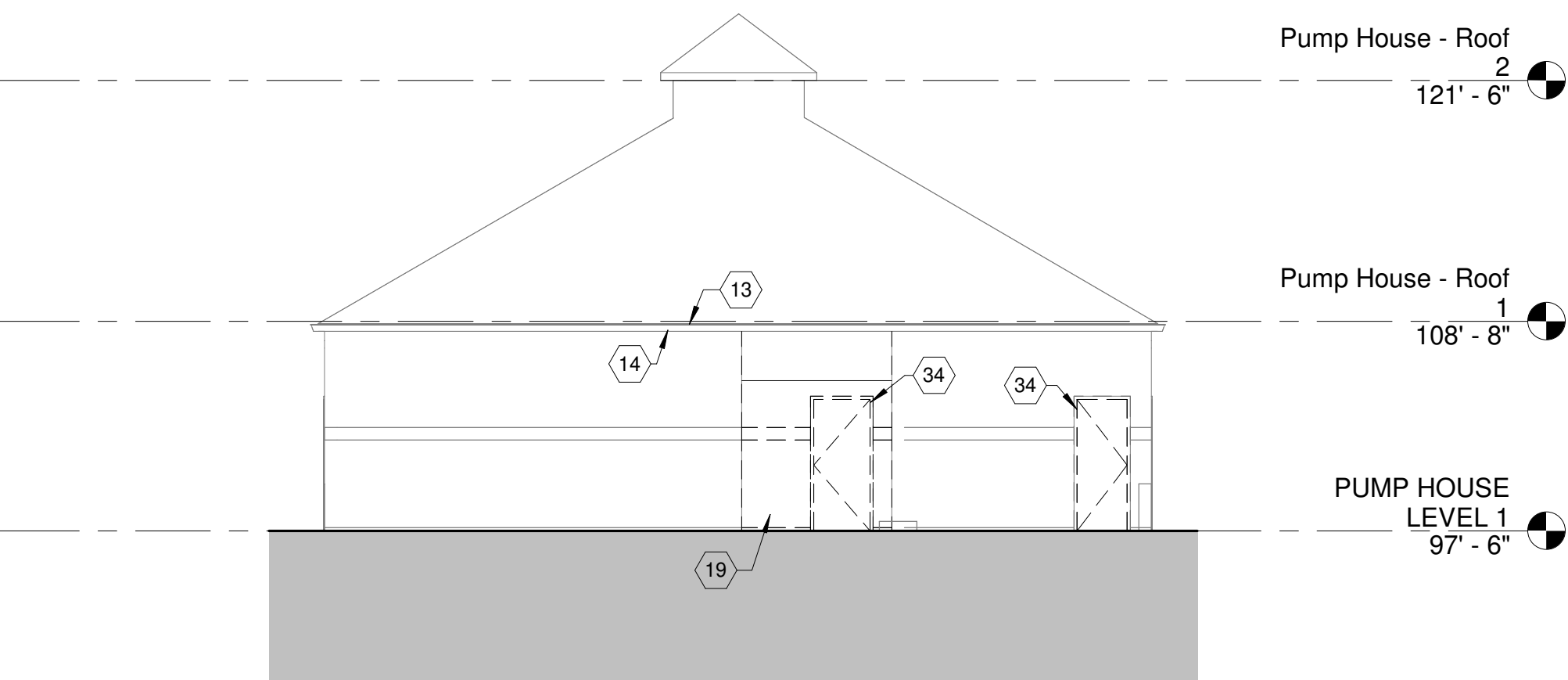
DEMOLITION -
CEILING PLANS

SHEET NO.

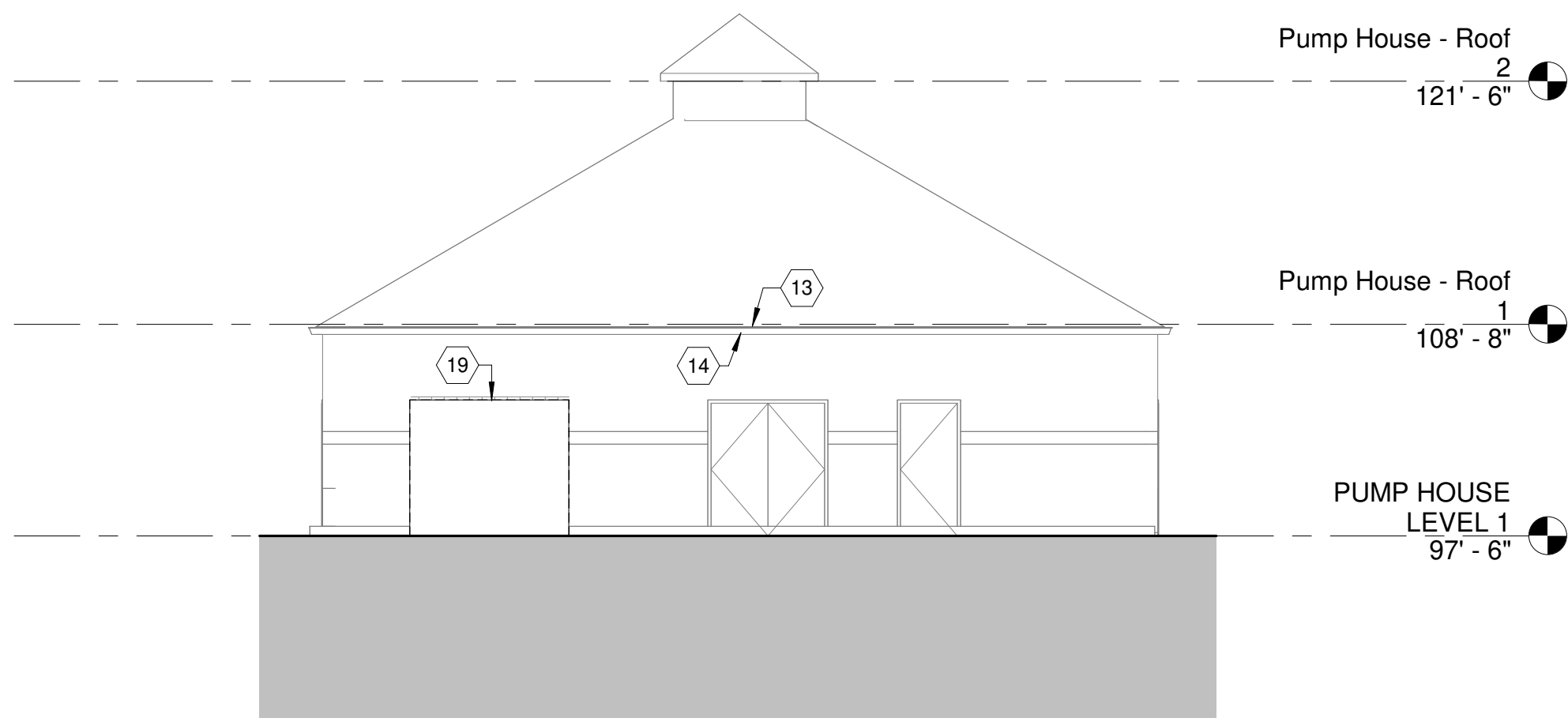
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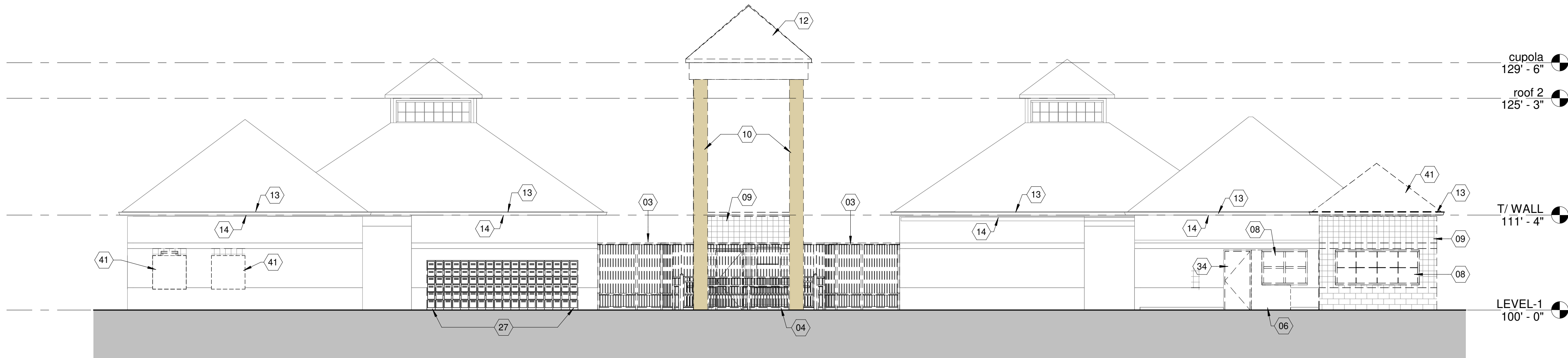
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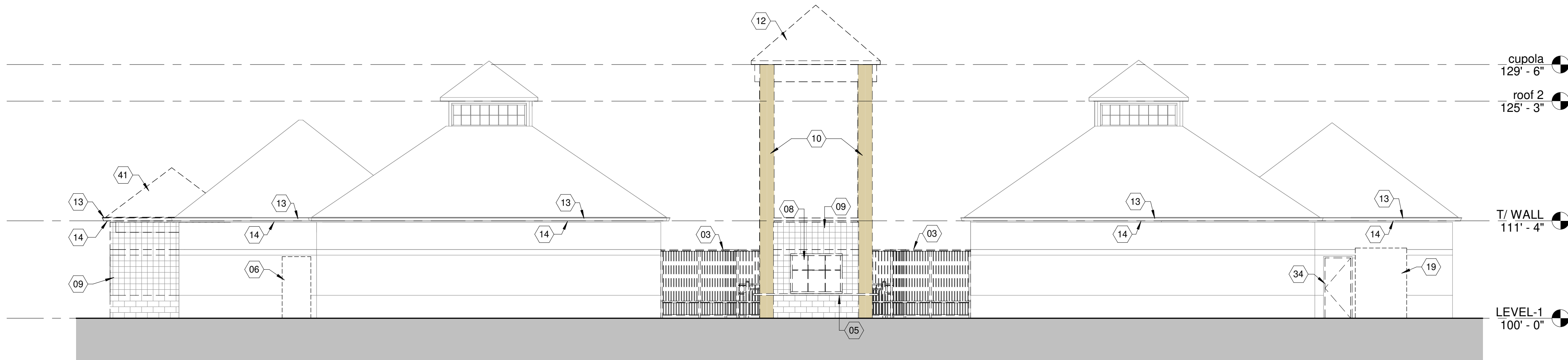
3 PUMP HOUSE - DEMO - NORTH ELEVATION
AD-201 1/8" = 1'-0"



4 PUMP HOUSE - DEMO - SOUTH ELEVATION
AD-201 1/8" = 1'-0"



2 DEMO - SOUTH ELEVATION
AD-201 1/8" = 1'-0"



1 DEMO - NORTH ELEVATION
AD-201 1/8" = 1'-0"

GENERAL NOTES - DEMO

- REFER TO SHEET -G002 FOR ADDITIONAL DEMOLITION GENERAL NOTES.
- REFER TO DISCIPLINE-SPECIFIC DRAWINGS (STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, TECHNOLOGY, FIRE PROTECTION) FOR NON-ARCHITECTURAL DEMOLITION WORK.
- INFILL ANY VOIDS IN PARTITIONS ARISING OUT OF DEMOLITION AND CONSTRUCTION ACTIVITY.
- ALL CEILING GRID, CEILING TILE, LIGHT FIXTURES, DIFFUSERS, ETC. SHALL BE REMOVED IN AREA OF WORK, U.N.O.
- PROTECT ANY TO FIRE PROTECTION DEVICES AS REQUIRED BY FIRE PROTECTION DRAWINGS.
- PROTECT ANY EXISTING SPRINKLER HEADS AND PIPING, AS REQUIRED FOR DURATION OF THE PROJECT.
- REMOVE ANY/ALL ABANDONED ABOVE CEILING INFRASTRUCTURE (ESPECIALLY LOW VOLTAGE CABLING AND EMPTY CONDUIT)

DRAWING NOTES

- REMOVE EXISTING METAL SLIDING SECURITY GATE, PATCH EXISTING CONCRETE WALK-WAY AS REQUIRED.
- REMOVE EXISTING ENTRY TURSTILES, TURN OVER TO OWNER.
- REMOVE EXISTING STAINLESS STEEL COUNTER IN ITS ENTIRITY.
- REMOVE EXISTING CONCRETE MANSRY UNIT WALL TO 7'-4" A.F.F. FOR NEW DOOR OPENING, REFER TO NEW WORK PLAN.
- REMOVE EXISTING INSUALTED ALUMINUM STOREFRONT AND GLAZING WINDOW.
- REMOVE EXISTING CONCRETE BLOCK WALL.
- REMOVE EXISTING CONCRETE AND STEEL SUPPORT COLUMNS.
- REMOVE EXISTING DECORATIVE TOWER ELEMENT IN ITS ENTIRITY.
- REMOVE EXISTING PRE-FINISHED METAL GUTTER AND DOWNSPOUTS, REFER TO NEW WORK DRAWINGS FOR REPLACEMENTS.
- REMOVE EXISTING PRE-FINISHED METAL SOFFIT VENTS AND FASCIA TRIM, REFER TO NEW WORK DRAWINGS FOR REPLACEMENTS.
- REMOVE EXISTING CONCRETE MASONRY WALL TO 8'-0" A.F.F, INSTALL NEW STEEL LINTEL, REFER TO STRUCTURAL DRAWINGS.
- REMOVE EXISTING PREFINISHED METAL LOCKERS.
- REMOVE EXISTING HOLLOW METAL DOORS AND FRAMES.
- REMOVE EXISTING CMU WALL FOR INSTALLATION OF NEW SLIDING WINDOW, REFER TO NEW WORK PLAN.



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DEMOLITION -
EXTERIOR
ELEVATIONS

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AD-201

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3. REFER TO SHEET -G002 FOR ADDITIONAL DEMOLITION GENERAL NOTES.
4. REFER TO DISCIPLINE-SPECIFIC DRAWINGS (STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, THERMOPHYSICS, FIRE PROTECTION) FOR NON-ARCHITECTURAL DEMOLITION REQUIREMENTS.
5. FILL IN ANY VOIDS IN PARTITIONS ARISING OUT OF DEMOLITION AND CEILING ACTION.
6. ALL CEILING GRID, CEILING TILE, LIGHT FIXTURES, DIFFUSERS, ETC. SHALL BE REMOVED IN AREA OF WORK. U.N.O.
7. PROTECT ANY TO FIRE PROTECTION DEVICES AS REQUIRED BY FIRE PROTECTION DRAWING.
8. PROTECT ANY EXISTING SPRINKLER HEADS AND PIPING, AS REQUIRED FOR DURATION OF THE PROJECT.
9. REMOVE ANY/ALL ABANDONED ABOVE CEILING INFRASTRUCTURE (ESPECIALLY LOW VOLTAGE CABLEING AND EMPTY CONDUIT)



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05 REMOVE EXISTING STAINLESS STEEL COUNTER IN ITS ENTIRETY.

06 REMOVE EXISTING CONCRETE MANSY UNIT WALL TO 7'-4" A.F.F. FOR NEW DOOR OPENING. REFER TO NEW WORK PLAN.

07 REMOVE EXISTING INSULATED ALUMINUM STOREFRONT SLIDING PASS THRU WINDOW.

08 REMOVE EXISTING INSULATED ALUMINUM STOREFRONT AND GLAZING WINDOW.

09 REMOVE EXISTING CONCRETE BLOCK WALL.

10 REMOVE EXISTING CONCRETE AND STEEL SUPPORT COLUMNS.

12 REMOVE EXISTING DECORATIVE TOWER ELEMENT IN ITS ENTIRETY.

13 REMOVE EXISTING PRE-FINISHED METAL GUTTER AND DOWNSPOUTS. REFER TO NEW WORK DRAWINGS FOR REPLACEMENTS.

14 REMOVE EXISTING PRE-FINISHED METAL SOFFIT VENTS AND FASCIA TRIM. REFER TO NEW WORK DRAWINGS FOR REPLACEMENTS.

40 REMOVE EXISTING PRE-FINISHED STANDING SEAM METAL ROOFING PANELS AND ROOFING STRUCTURE.

41 REMOVE EXISTING CMU WALL FOR INSTALLATION OF NEW SLIDING WINDOW. REFER TO NEW WORK PLAN.



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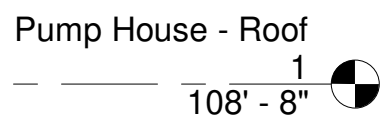
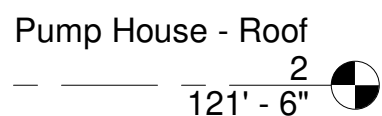
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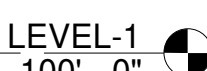
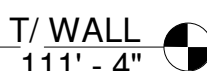
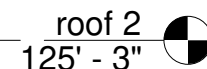
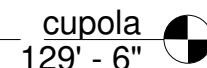
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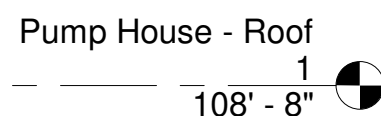
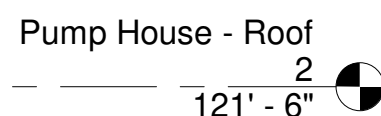
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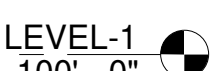
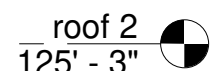
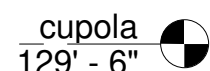
4	PUMP HOUSE - DEMO - WEST ELEVATION
AD-202	1/8" = 1'-0"



2	DEMO - WEST ELEVATION
AD-202	1/8" = 1'-0"



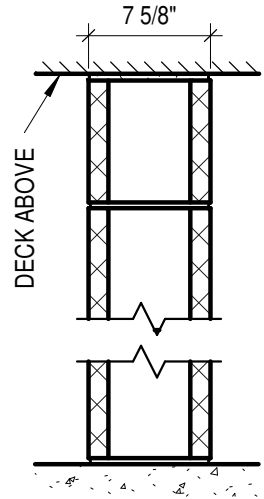
3	PUMP HOUSE - DEMO - EAST ELEVATION
AD-202	1/8" = 1'-0"



1	DEMO - EAST ELEVATION
AD-202	1/8" = 1'-0"

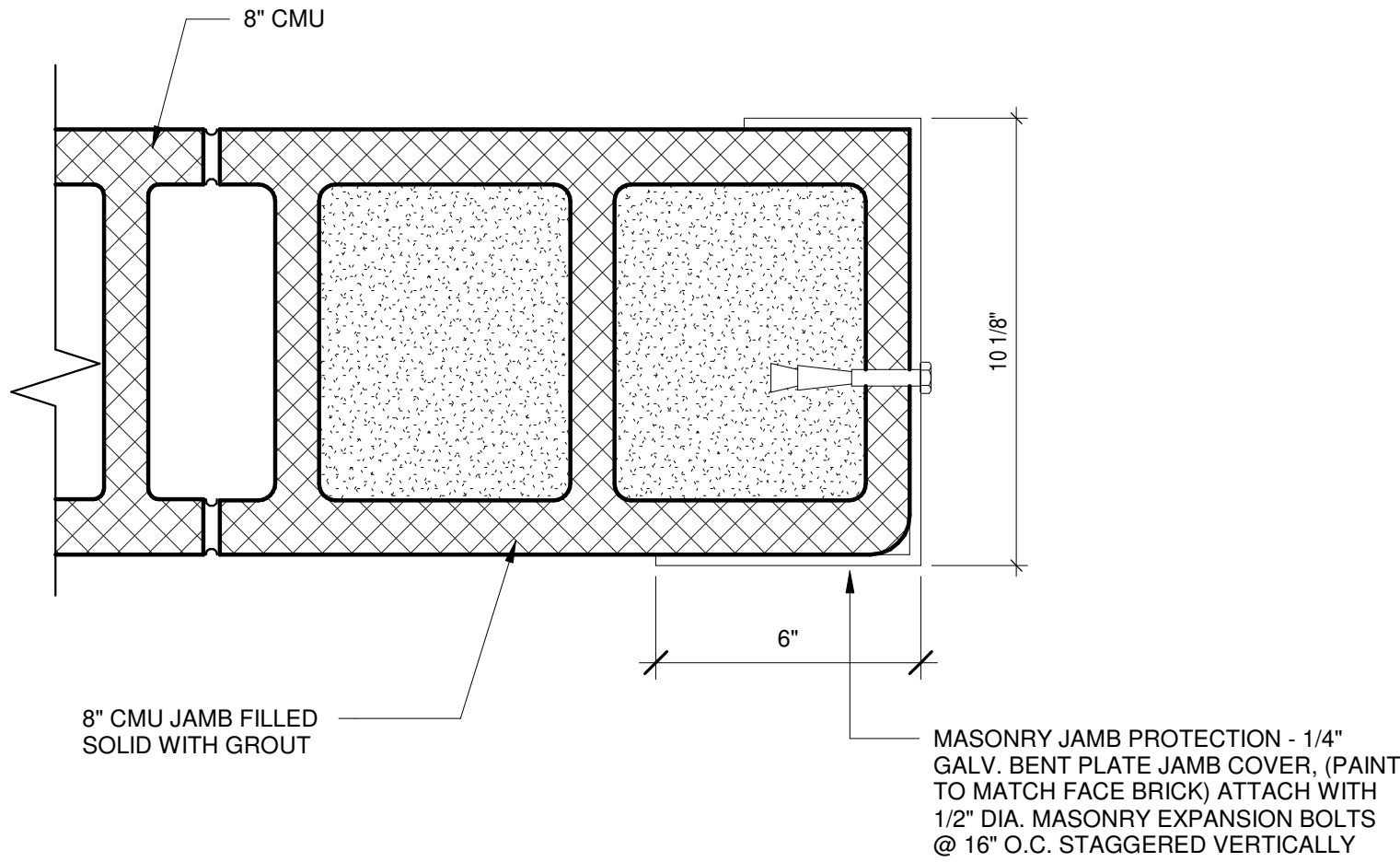
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PARTITION SCHEDULE

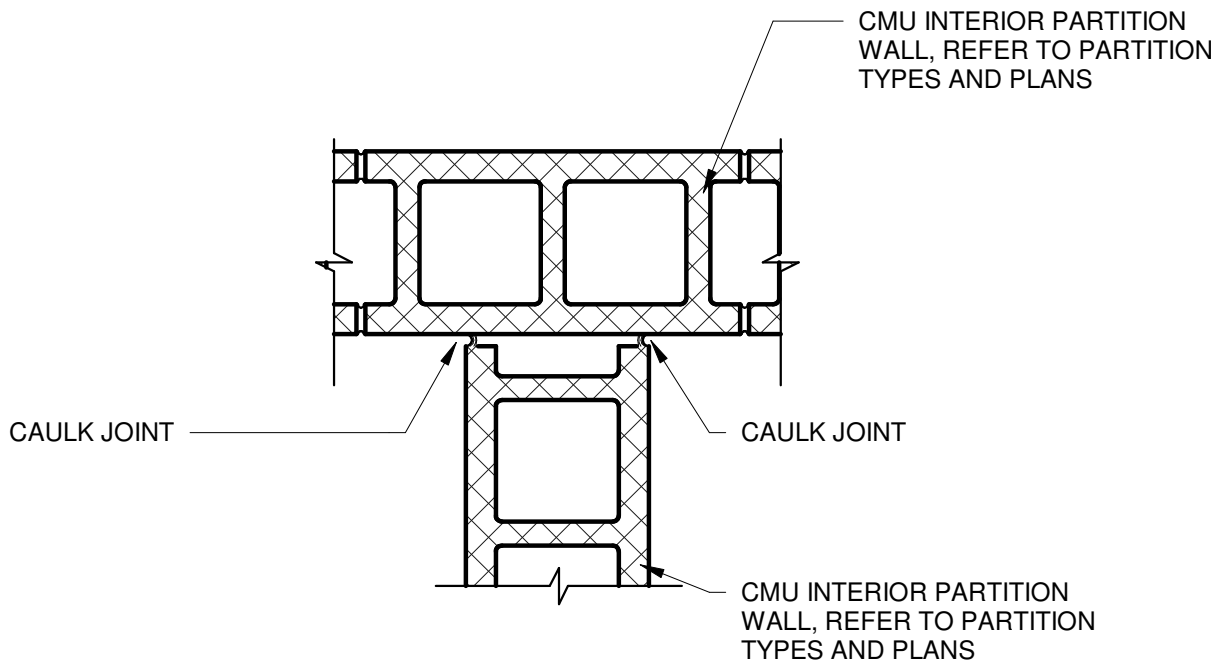


TYPE G1
INTERIOR HOLLOW CORE
CLOCK WALL (NON LOAD
BEARING)
8" NOM. CONCRETE
MASONRY BLOCKS

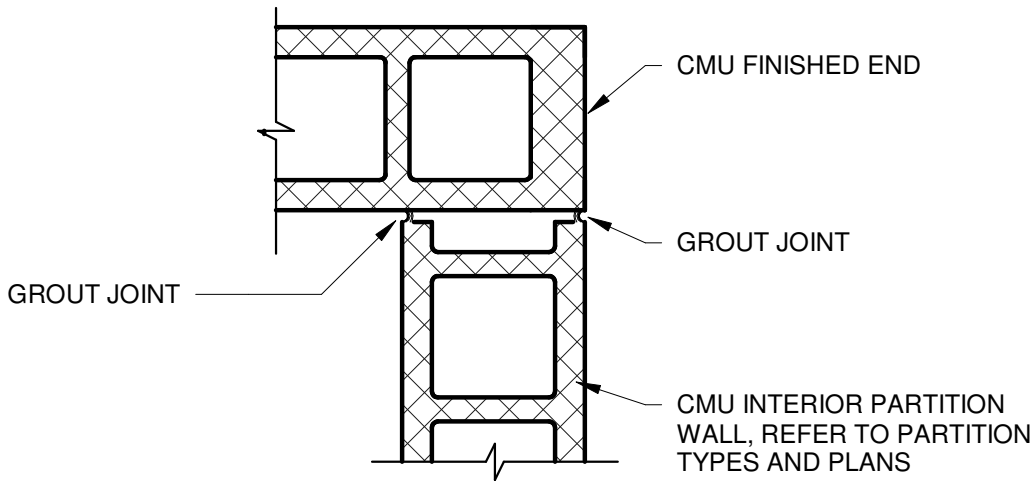
- PARTITION NOTES:**
1. TYPICAL PARTITION TYPE IS "G1", UNLESS NOTED OTHERWISE ON PLAN.
 2. BUILD PARTITIONS IN ACCORDANCE WITH PARTITION SCHEDULE AND DESIGN REFERENCED. REFERENCES ARE TO LATEST EDITION OF GYPSUM ASSOCIATION (GA) FIRE RESISTANCE DESIGN MANUAL, OR TO UNDERWRITERS LABORATORY (UL) FIRE RESISTANCE DIRECTORY.
 3. PARTITION TYPES INDICATED ARE CONTINUOUS TO A CORNER OR AN INTERSECTING PARTITION, UNLESS INDICATED OTHERWISE. WHERE PARTITIONS OF DIFFERENT THICKNESS MEET, MAINTAIN A FLUSH SURFACE ON THE SIDE WHERE FACES ARE STRAIGHT AND CONTINUOUS, UNLESS NOTED OTHERWISE.
 4. WOOD AND PLYWOOD BLOCKING TO BE FIRE RETARDANT TREATED (FRTW).
 5. SCHEDULING OF A PARTITION DESIGN WHICH CARRIES A FIRE RATING DOES NOT IMPLY A FIRE SEPARATION FUNCTION FOR THAT PARTITION. LOCATIONS OF FIRE AND SMOKE PARTITIONS ARE INDICATED ON THE LIFE SAFETY PLAN (SHEET LS-101)
 6. ALL FIRE-RATED WALL AND FLOOR PENETRATION MUST COMPLY WITH ASTM-E814.
 7. ALL DOOR OPENINGS SHALL BE 4" FROM A PERPENDICULAR PARTITION TO OUTSIDE FACE OF FRAME, UNLESS NOTED OR DETAILED OTHERWISE.
 8. ALL PARTITIONS TO EXTEND FROM TOP OF FLOOR SLAB TO UNDERSIDE OF CONCRETE SLAB ABOVE UNLESS OTHERWISE NOTED.
 9. CONTRACTOR IS TO CLOSE OFF ANY VOIDS LEFT AS A RESULT OF ANY REMOVALS AND NEW CONSTRUCTION, AS WELL AS INFILL ANY EXISTING VOIDS IN NEWLY DESIGNATED FIRE RATED PARTITIONS. ALL PATCHES SHALL MATCH AND ALIGN WITH SURROUNDING MATERIALS AND SHALL BE IN ACCORDANCE WITH OHIO BUILDING CODE (OBC).
 10. REFER TO NEW ARCHITECTURAL FLOOR PLANS FOR PARTITION TYPE DESIGNATIONS.
 11. CONTRACTOR SHALL SEAL PARTITION WALLS AROUND ALL M.E.P. PENETRATIONS OR OPENINGS, RESULTING FROM M.E.P. INSTALLATIONS INCLUDING BUT NOT LIMITED TO THE SLAB, ABOVE AND BELOW CEILINGS. NO EXISTING FIREPROOFING IS TO BE REMOVED FROM EXISTING BUILDING STRUCTURE FOR ANY NEW INSTALLATION FOR ANY REASON.
 - 12.



3 CMU OPENING DETAIL
A-002 3" = 1'-0"

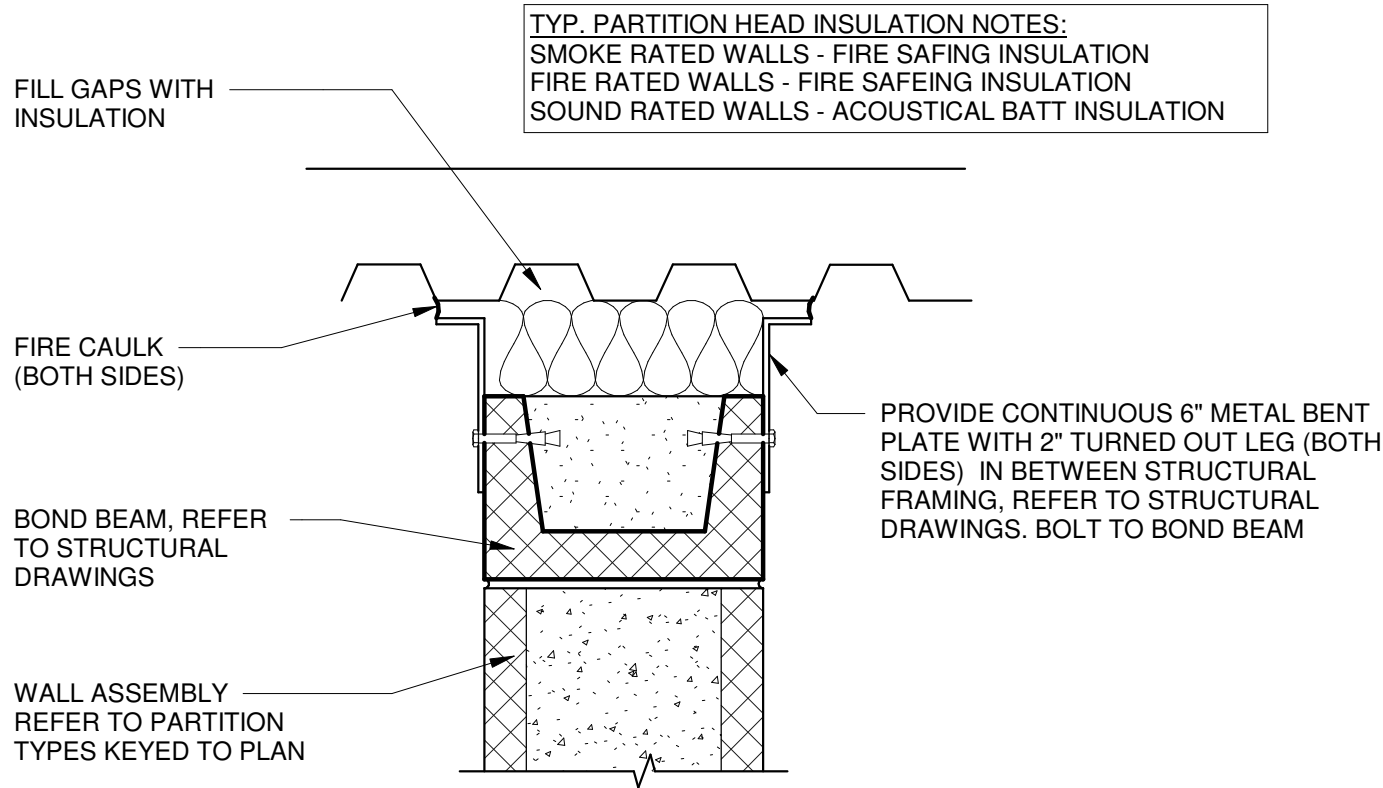


PERPENDICULAR DETAIL



CORNER DETAIL

2 TYP. CMU INTERSECTION DETAILS
A-002 1 1/2" = 1'-0"



1 CMU HEAD DETAIL
A-002 1 1/2" = 1'-0"

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Aquatic Center

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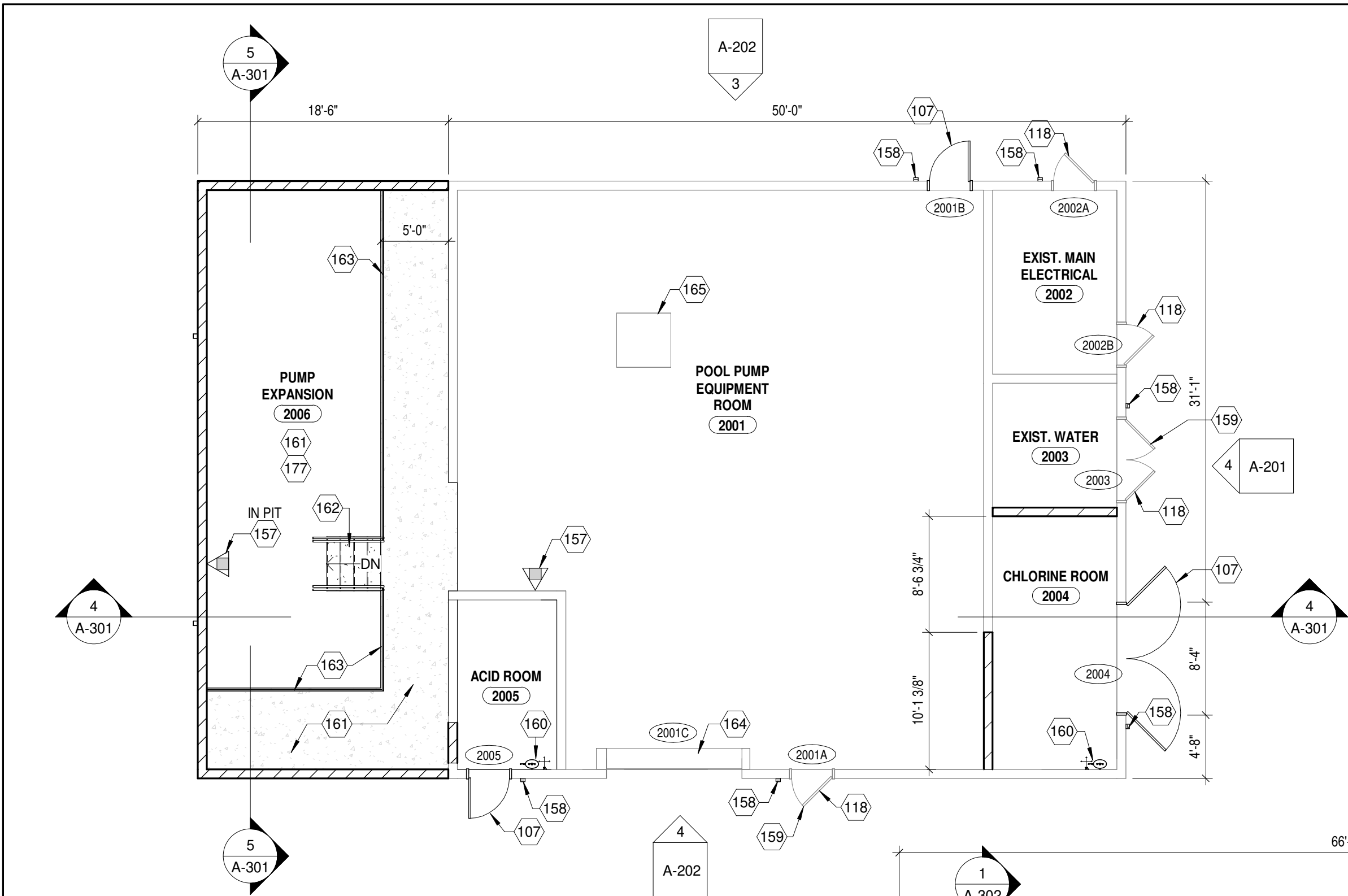
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Checked By CAS	
Client Number 948	
Project Number 7383	

DRAWING TITLE
PARTITION TYPES

SHEET NO.

A-002

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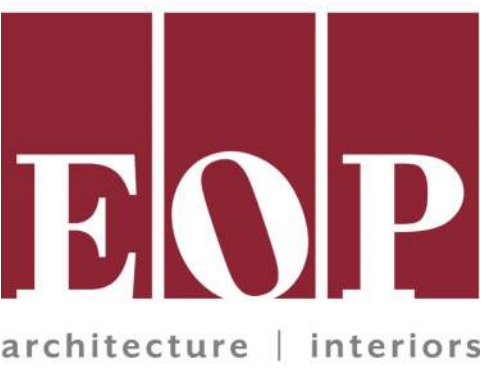
2 PUMP HOUSE - NEW
A-101 1/8" = 1'-0"

DRAWING KEYNOTES

- 101 PROVIDE STAINLESS STEEL U-CHANNEL FRAME AT NEW CMU WALL OPENING, REFER TO DETAIL.
- 102 LINE REPRESENTS SEPARATION BETWEEN CONCESSIONS AND STORAGE AREA.
- 104 NEW INSULATED ALUMINUM STOREFRONT DOOR, SEE DOOR SCHEDULE.
- 106 MOVEABLE SEGMENTED ROLLING SECURITY FENCE / GATE, MOUNT TO EXISTING WALL, REFER TO DETAILS.
- 107 NEW HOLLOW METAL DOOR, FRAME AND HARDWARE, SEE DOOR SCHEDULE, PAINT DOOR AND FRAME TO MATCH NEW PAINT SCHEME OF EXISTING DOORS AND FRAME.
- 108 NEW EXTERIOR ALUMINUM STOREFRONT SYSTEM, SEE EXTERIOR ELEVATIONS.
- 109 INSTALL NEW DUAL DRINKING FOUNTAIN WITH ADA HEIGHT AND WATER BOTTLE FILLER. PRIORITIZE OUTDOOR FROST-PROOF HOSE BIBB UNDER THE UNIT FOR WASHDOWN PURPOSES. SEE PLUMBING DRAWINGS.
- 114 PRE-FINISHED SOLID PHENOLIC SIX TIER LOCKERS WITH SLOPED TOP, REFER TO ELEVATIONS.
- 115 INFILL OPENINGS WITH CMU TO MATCH EXISTING ADJACENT.
- 116 ALIGN NEW EXTERIOR WALL FINISH WITH EXISTING FINISH.
- 118 EXISTING HOLLOW METAL DOOR, FRAME AND HARDWARE, SEE DOOR SCHEDULE, PAINT DOOR AND FRAME TO MATCH NEW PAINT SCHEME OF EXISTING DOORS AND FRAME.
- 120 INSTALL NEW ALUMINUM STOREFRONT AND GLAZING HORIZONTAL SLIDING PASS-THRU WINDOW, REFER TO WINDOW ELEVATIONS.
- 121 NEW FINISH FLOORING MATERIAL AND WALL BASE, SEE FINISH PLAN.
- 122 NEW EXTERIOR MASONRY WALL TO MATCH EXISTING ADJACENT, REFER TO ELEVATIONS AND WALL SECTIONS.
- 126 TUBE STEEL COLUMN, PAINTED. REFER TO EXTERIOR ELEVATIONS AND STRUCTURAL DRAWINGS.
- 139 ALIGN NEW INTERIOR WALL WITH FACE OF EXISTING EXTERIOR WALL.
- 142 NEW INSULATED OVERHEAD COILING DOOR, REFER TO ELEVATIONS AND DETAILS.
- 153 PRE-FINISHED THRU-WALL METAL SCUPPER TO PRE-FINISHED METAL OVERFLOW COLLECTOR BOX AND 6"x8" PRE-FINISHED METAL DOWNSPOUT, CONNECT TO UNDERGROUND STORM SYSTEM, COLOR TO MATCH ROOF PANELS.
- 156 SURFACE MOUNTED FIRE EXTINGUISHER CABINET.
- 157 SURFACE MOUNTED FIRE EXTINGUISHER, MOUNT AT 48" A.F.F.
- 158 INSTALL WALL MOUNTED SECURITY ACCESS CARD LOCATION FOR DOOR ACCESS, BOTTOM @ 46" A.F.F. REFER TO ELECTRICAL DRAWINGS.
- 159 MODIFY EXISTING DOOR FRAME TO INCLUDE A WEATHERPROOF ELECTRIC STRIKE AT LATCH BOLT FOR SECURITY DOOR ACCESS CONTROL.
- 160 FROST PROOF EXTERIOR EMERGENCY SHOWER AND EYE WASH STATION, REFER TO PLUMBING DRAWINGS.
- 161 POLISHED CONCRETE FLOOR FINISH WITH SLIP-RESISTANT TOP COAT, REFER TO FINISH LEGEND.
- 162 WALL MOUNTED ALUMINUM ACCESS LADDER OR POURED CONCRETE STEPS, REFER TO DETAILS.
- 163 GALVANIZED METAL GUARDRAIL AND HANDRAIL, REFER TO DETAILS.
- 164 EXISTING OVERHEAD ROLLING DOOR, PROVIDE PREVENTATIVE MAINTENANCE TASKS AND ADJUSTMENTS AS REQUIRED.
- 165 EXISTING POOL SUMP PIT WITH GALVANIZED 3'x3' METAL COVER. PROVIDE FLANGE MANUAL CHAIN HOIST ROLLING TROLLEY ALONG STRUCTURAL HOIST BEAM, REFER TO STRUCTURAL DRAWINGS FOR HOIST BEAM INFORMATION. MANUAL HOIST TROLLEY TO BE RATED FOR 2,000 LBS OR GREATER.

PLAN GENERAL NOTES

- A. REFER TO SHEET A-002 FOR PROJECT GENERAL NOTES, SYMBOLS, ABBREVIATIONS, AND RECOMMENDED MOUNTING HEIGHTS FOR FIXTURES AND ACCESSORIES.
- B. REFER TO DISCIPLINE-SPECIFIC DRAWINGS (STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, TECHNOLOGY, FIRE PROTECTION) FOR ADDITIONAL INFORMATION.
- C. ALL DIMENSIONS ARE TO FINISH FACE UNLESS NOTED OTHERWISE.
- D. REFER TO INTERIOR ELEVATIONS FOR WALL MOUNTED ITEMS.
- E. REFER TO ENLARGED PLANS FOR WALL TYPES NOT SHOWN ON NEW WORK PLANS.
- F. SEE FINISH LEGEND, FINISH SCHEDULE, AND FINISH PLANS FOR FINISH MATERIAL INFORMATION.
- G. REFER TO PARTITION SCHEDULE FOR PARTITION ASSEMBLY DESIGNS.
- H. DIMENSIONS LABELED "MIN" OR "CLEAR" SHALL NOT BE LESS THAN INDICATED. DIMENSIONS LABELED "HOLD" SHALL BE EXACTLY AS INDICATED AND NO MORE OR NO LESS.
- I. WHERE PARTITIONS OF DIFFERENT THICKNESS MEET, MAINTAIN A FLUSH SURFACE ON THE FACES THAT ALIGN.
- J. INFILL ANY VOIDS IN PARTITIONS ARISING OUT OF DEMOLITION AND CONSTRUCTION ACTIVITY.
- K. SEAL ALL MECHANICAL, ELECTRICAL, AND PLUMBING PENETRATIONS THROUGH PARTITIONS.
- L. INSTALL NEW FLOORING AND BASE. REFER TO FINISH PLAN AND LEGEND FOR SPECIFICATIONS AND REGIONS.
- M. GO TO CONTACT "COMFORT SYSTEMS" FOR DOOR ACCESS CONTROL COORDINATION AND INSTALLATION. ACCESS CARD LOCATIONS ARE SHOWN ON DRAWINGS TO PROVIDE PATHWAYS ONLY. CONTACT INFORMATION IS TONY MARINO AT (330) 382-3300.
- N. PROVIDE WALL REINFORCEMENT AT ALL WALL-HUNG CASEWORK, FIXTURES, SPECIALTY EQUIPMENT, AND SHELVING.
- O. PROVIDE FIRE EXTINGUISHERS COMPLYING WITH NFPA 10 AS INDICATED ON THE LIFE SAFETY DRAWINGS. WHERE CABINET TYPE IS INDICATED (FEC), PROVIDE SURFACE WALL MOUNTED TYPE.



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Project

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DRAWING TITLE

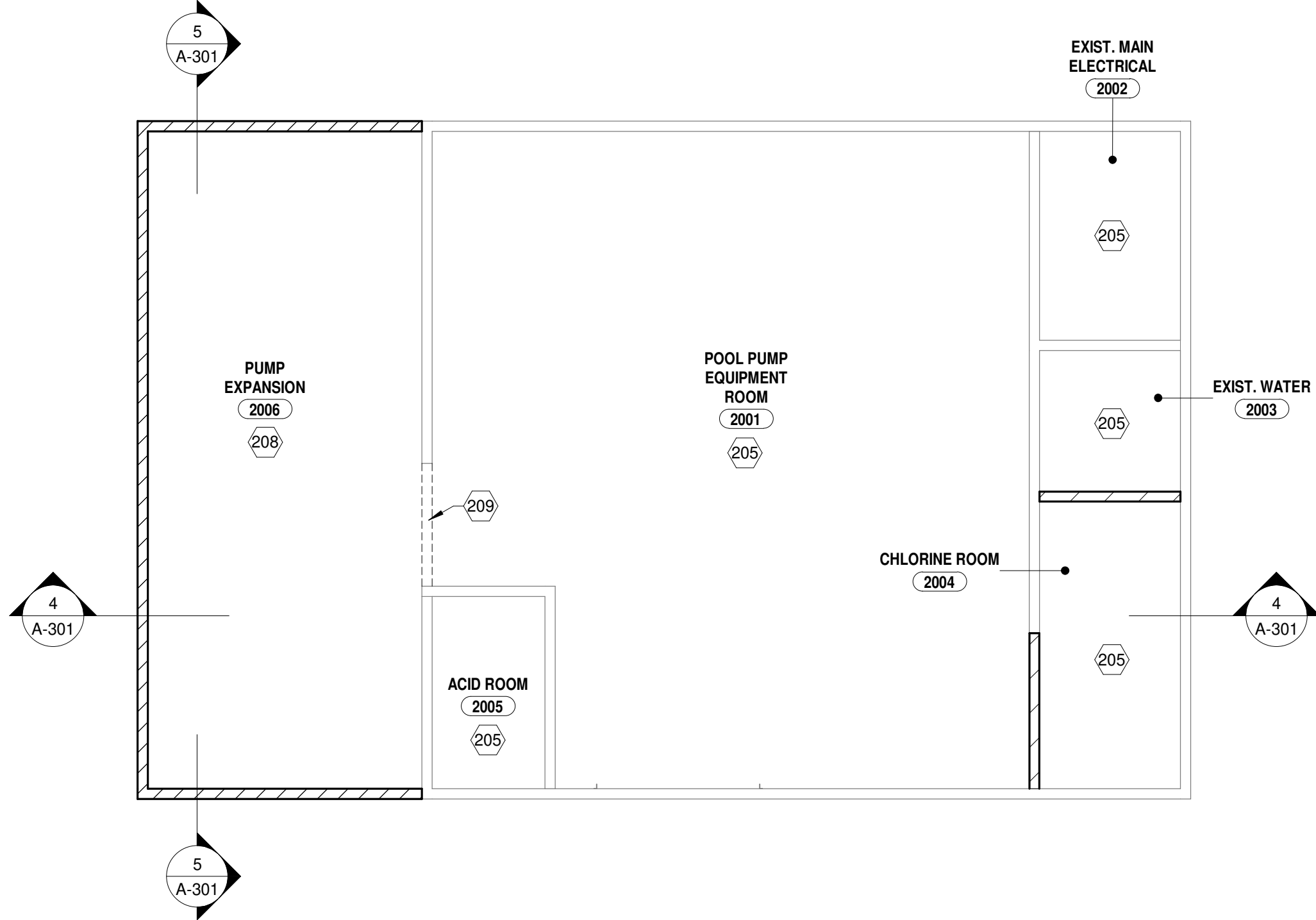
NEW WORK - FLOOR
PLANS

SHEET NO.

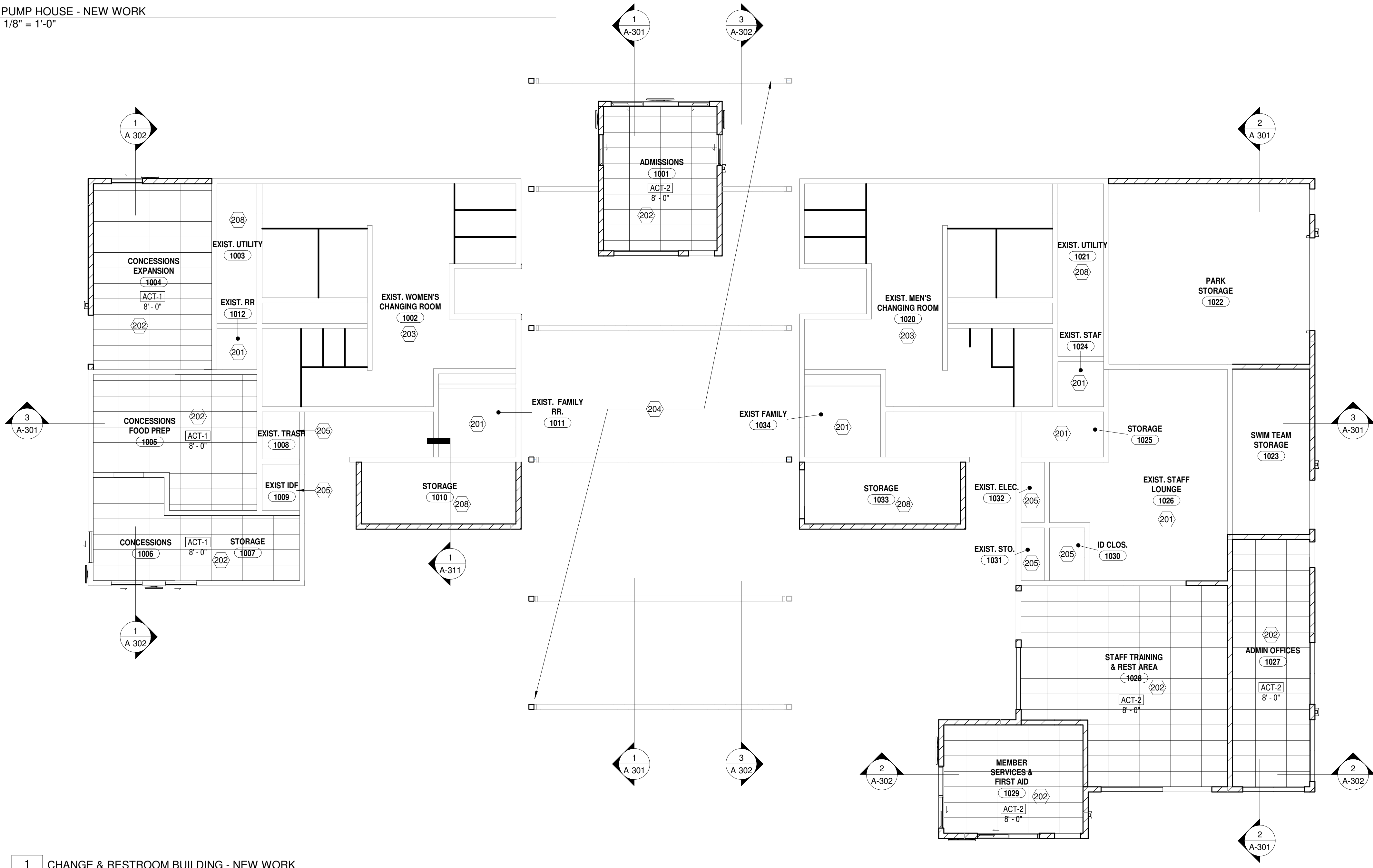
A-101

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2 PUMP HOUSE - NEW WORK
A-121 1/8" = 1'-0"



1 CHANGE & RESTROOM BUILDING - NEW WORK
A-121 1/8" = 1'-0"

RCP - GENERAL NOTES

- A. ALL LIGHTING FIXTURES ARE SHOWN FOR REFERENCE ONLY, REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
B. ALL MECHANICAL FIXTURES ARE SHOWN FOR REFERENCE ONLY, REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
C. ALL EMERGENCY LIGHT FIXTURES AND EXIT SIGN LOCATIONS ARE SHOWN FOR REFERENCE ONLY, REFER TO LIFE SAFETY AND ELECTRICAL LIGHTING PLANS FOR MORE INFORMATION.
D. CEILING SYSTEMS SHALL NOT BE USED AS PARTITION BRACING ELEMENTS. PARTITION BRACES SHALL EXTEND TO DECK ABOVE OR TO A STRUCTURAL ELEMENT.

DRAWING NOTES

- 201 EXISTING CEILING FINISH TO REMAIN.
202 INSTALL NEW SUSPENDED 2'x4' ACOUSTICAL CEILING, REFER TO FINISH LISTING FOR TYPE.
203 EXISTING WOOD CEILING AND STRUCTURE TO REMAIN.
204 EXPOSED CANOPY METAL DECKING AND STRUCTURE, PAINT WITH EPOXY PAINT, WHITE IN COLOR, REFER TO FINISH LEGEND.
205 EXISTING EXPOSED CEILING TO REMAIN AS IS.
208 EXPOSED CEILING, NO FINISH.
209 NEW WALL HEADER, PAINT STEEL TO MATCH ADJACENT WALLS.

REFLECTED CEILING PLAN LEGEND

- SD SMOKE DETECTOR
WAP WIRELESS ACCESS POINT
SPEAKER
MECHANICAL GRILLES
RECESSED LED DOWN LIGHT
LED LIGHT FIXTURE
LED "NIGHT-LIGHT" LIGHT FIXTURE
RECESSED LED STRIP LIGHT FIXTURE
GYPSUM BOARD CEILING / SOFFIT / BULKHEAD
2" X 2" SUSPENDED ACOUSTICAL PANEL
TYPICAL SUSP. CEILING : ACT-1, U.N.O.
TYPICAL SUSP. CEILING : HEIGHT : 8'-0", U.N.O.
FABRIC-WRAPPED CEILING GRID
EXISTING RECESSED LIGHT FIXTURE
MOTORIZED SHADES
- REFER TO M.E.P. DOCUMENTS FOR SMOKE DETECTOR AND EXIT SIGN LOCATIONS.



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Project

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DRAWING TITLE

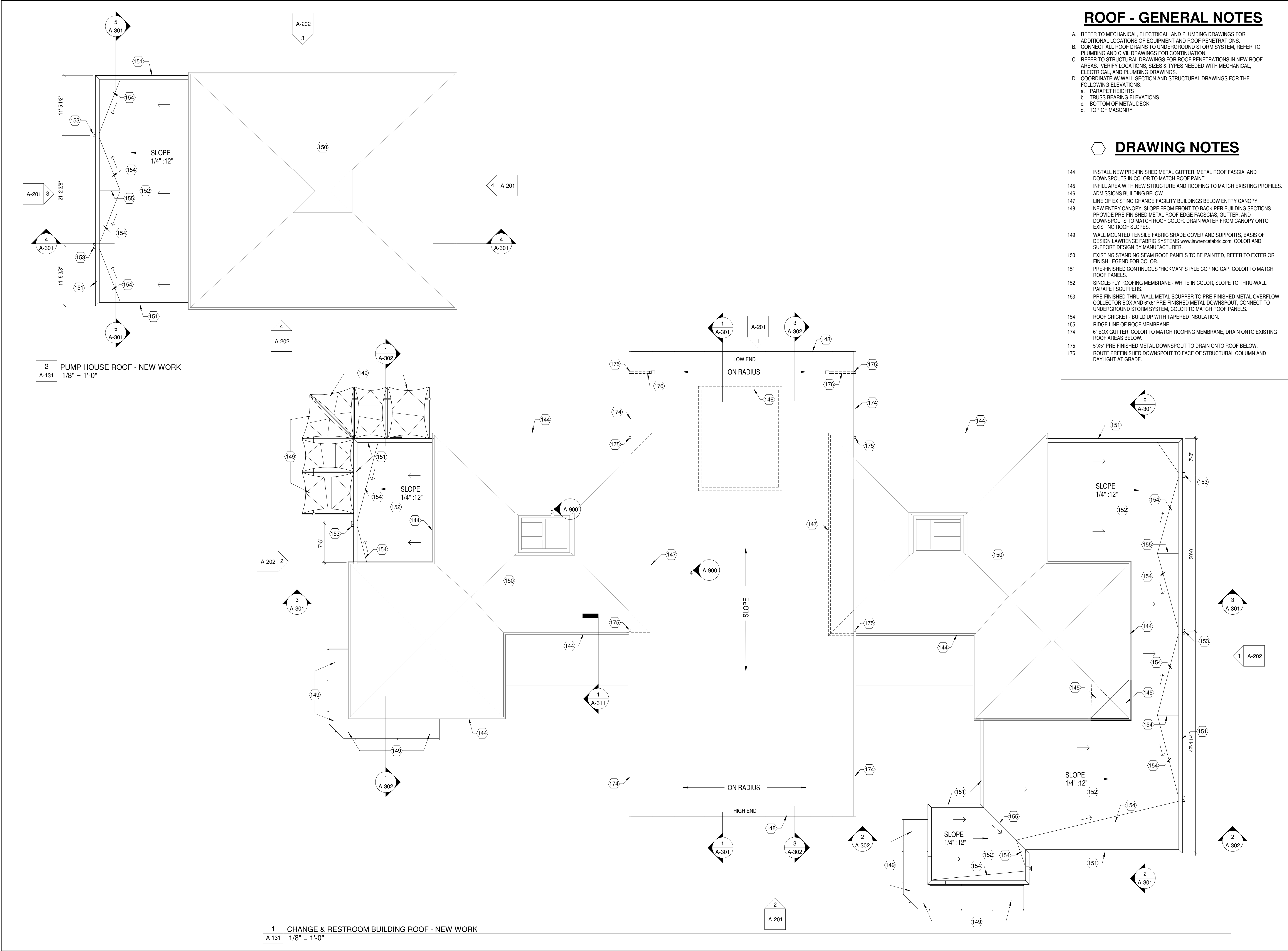
REFLECTED CEILING
PLANS - NEW WORK

SHEET NO.

A-121

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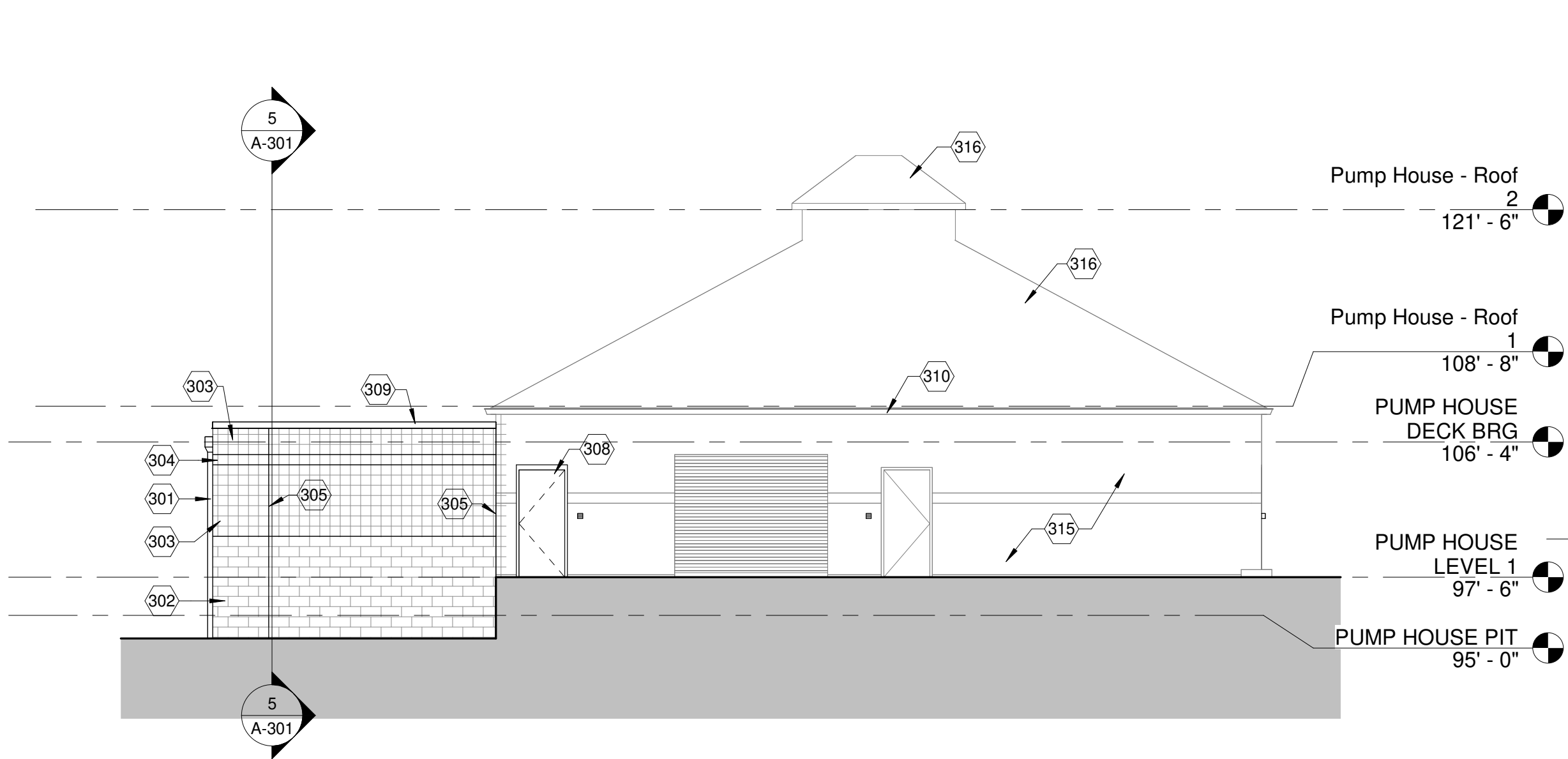
EXTERIOR FINISH LEGEND

- CMU BASE WAINSCOT:** (WAINSCOT OF BUILDING)
MFG: COUNTY MATERIALS TYPE: ULTRA BURNISHED
COLOR: 8"x16" "GALAXY" (63-239C) SUPPLIER: READING ROCK
- CMU FIELD:** (MAIN FIELD COLOR)
MFG: COUNTY MATERIALS TYPE: ULTRA BURNISHED
COLOR: 8"x8" "SOLSTICE" (63-219C) SUPPLIER: READING ROCK
- CMU ACCENT:** (ACCENT BANDING)
MFG: COUNTY MATERIALS TYPE: ULTRA BURNISHED
COLOR: 8"x16" "GALAXY" (63-239C) SUPPLIER: READING ROCK
- METAL 1:** (EXISTING ROOF, NEW GUTTERS, AND DOWNSPOUTS)
MFG: SHERWIN WILLIAMS TYPE: SEE SPECIFICATIONS
COLOR: SW6966 "BLUEBLOOD"
- METAL 2:** (ALUMINUM DOORS AND STOREFRONTS)
MFG: YKK YES 45 TU TYPE: CUSTOM KYNAR FINISH
COLOR: MATCH OWNER PANTONE "TEAL" COLOR
- METAL 3:** (NEW BUILDING ROOFING EDGE)
MFG: EXCEPTIONAL METALS TYPE: WALL COPING
COLOR: TUNDRA
- METAL 4:** (ENTRY CANOPY ROOFING EDGE)
MFG: EXCEPTIONAL METALS TYPE: VINYL COATED DRIP EDGE
COLOR: HARBOR BLUE
- METAL 5:** (DOOR, METAL FRAMES UNLESS NOTED OTHERWISE)
MFG: SHERWIN WILLIAMS TYPE: SEE SPECIFICATIONS
COLOR: SW 6767 "AQUARIUM"
- EXPOSED METAL DECK 1:** (BREEZEWAY METAL DECK & SUPPORT STEEL)
MFG: SHERWIN WILLIAMS TYPE: SEE SPECIFICATIONS
COLOR: SW 7757 HIGH REFLECTIVE WHITE
- EXPOSED METAL DECK 2:** (EXIST. BLDG ROOF SOFFITS AND FASCIA)
MFG: SHERWIN WILLIAMS TYPE: SEE SPECIFICATIONS
COLOR: MATCH OWNER PANTONE "BLUE" COLOR
- BLDG AWNINGS:** (BUILDING SUPPORT FRAMING)
MFG: SHERWIN WILLIAMS TYPE: KYNAR FINISH
COLOR: BLACK
- BLDG AWNINGS:** (FRONT BUILDING SUPPORT FRAMING)
MFG: SHERWIN WILLIAMS TYPE: KYNAR FINISH
COLOR: WOOD LOOK
- BLDG AWNINGS:** (TENSILE FABRIC)
MFG: LAWRENCE FABRIC TYPE: TENSILE
COLOR: MATCH SW 6776 "BLUE NILE"

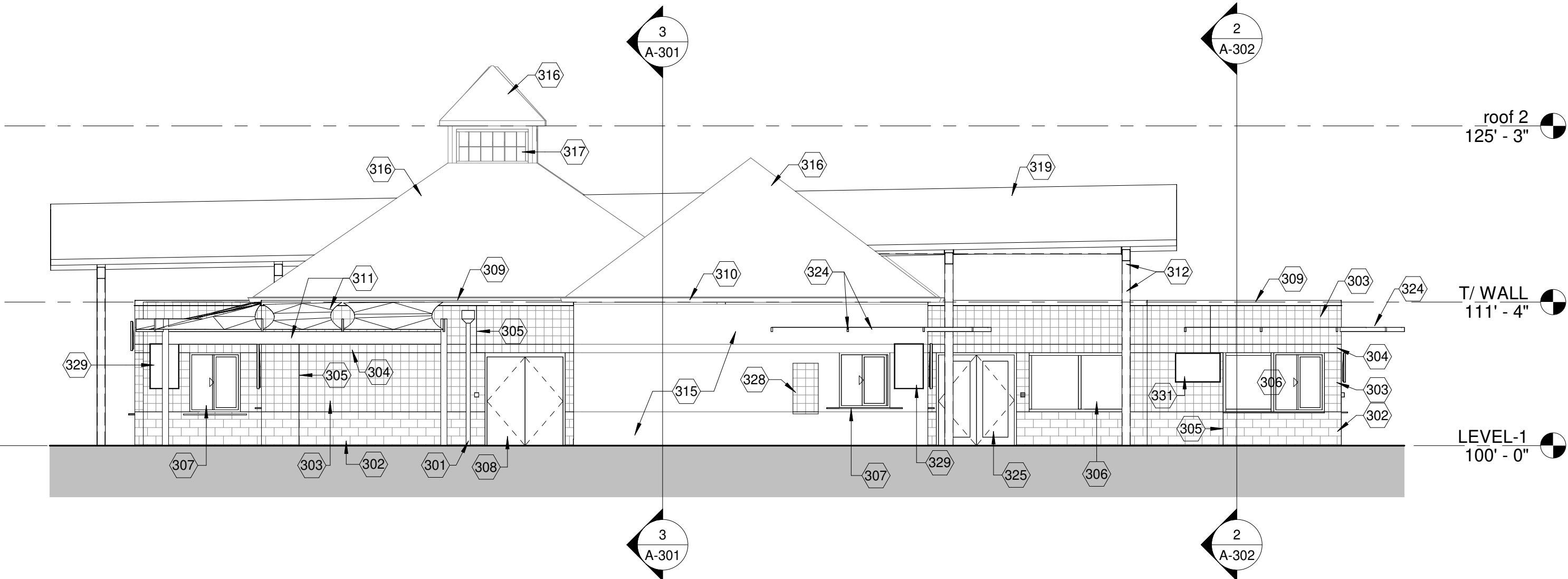
EXTERIOR FINISH NOTES:
ALL FINISH PRODUCTS AND COLORS LISTED ABOVE ARE BASIS OF DESIGN AND SUBJECT TO CHANGE. FINAL SELECTIONS WILL BE MADE BETWEEN THE OWNER, ARCHITECT AND GENERAL CONTRACTOR ONCE PROJECT HAS BEEN AWARDED.

DRAWING NOTES

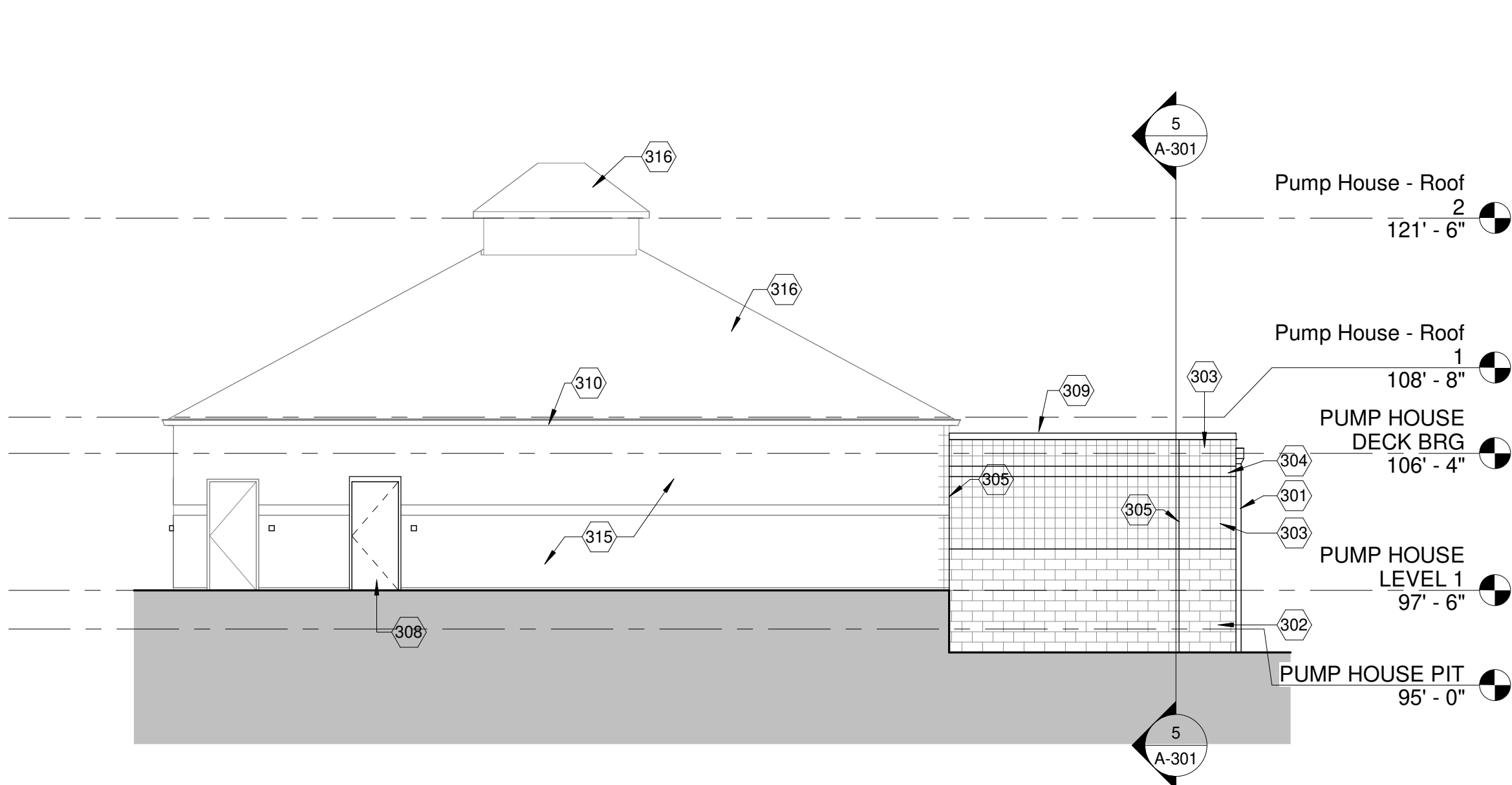
- 301 PRE-FINISHED THRU-WALL METAL SCUPPER TO PRE-FINISHED METAL OVERFLOW COLLECTOR BOX AND 8"x8" PRE-FINISHED METAL DOWNSPOUT, CONNECT TO UNDERGROUND STORM SYSTEM, COLOR TO MATCH ROOF PANELS.
- 302 DECORATIVE "GREY" 8"x16" CMU BLOCK, TO MATCH EXISTING.
- 303 DECORATIVE "WHITE" 8"x8" CMU BLOCK, TO MATCH EXISTING.
- 304 DECORATIVE "GREY" 8"x16" CMU BLOCK, TO MATCH EXISTING.
- 305 MASONRY CONTROL OR EXPANSION JOINT WITH BACKER ROD AND SEALANT, WHEN LOCATED AT A DOOR OR WINDOW JAMB, JOG TO END OF THE STEEL LINTEL ABOVE.
- 306 PRE-FINISHED CUSTOM COLOR INSULATED ALUMINUM STOREFRONT WINDOWS AND GLAZING, ARCHITECT TO SELECT COLOR FROM OWNER BRANDING STANDARDS.
- 307 PRE-FINISHED CUSTOM COLOR INSULATED ALUMINUM STOREFRONT PASS-THRU WINDOWS, ARCHITECT TO SELECT COLOR FROM OWNER BRANDING STANDARDS.
- 308 INSULATED HOLLOW METAL DOOR AND FRAME, PAINT COLOR PER EXTERIOR FINISH LEGEND.
- 309 PRE-FINISHED METAL COPING CAP, COLOR PER EXTERIOR FINISH LEGEND.
- 310 NEW PRE-FINISHED METAL GUTTER AND FASCIA TO MATCH NEW COLOR OF EXISTING ROOF, REFER TO EXTERIOR FINISH LEGEND.
- 311 PRE-FINISHED "WOOD LOOK" METAL SHADE CANOPY FRAMING WITH COLORED TENSILE FABRIC SHADE CANOPY, PRODUCT TO BE SELECTED BY OWNER/ARCHITECT.
- 312 EXPOSED STRUCTURAL STEEL MEMBERS, EPOXY PAINT, REFER TO EXTERIOR FINISH LEGEND FOR COLOR.
- 315 POWER WASH EXISTING MASONRY, PATCH / REPAIR ANY EXISTING CONTROL JOINT MATERIAL.
- 316 EXISTING STANDING SEAM METAL ROOFING, PAINT PER EXTERIOR FINISH LEGEND.
- 317 EXISTING ALUMINUM STOREFRONT AND GLAZING CLERESTORY VISION UNITS, PAINT FRAME PER EXTERIOR FINISH LEGEND.
- 319 CURVED ENTRY CANOPY WITH SINGLE-PLY MEMBRANE ROOFING AND PRE-FINISHED END FASCIA PANELS, REFER TO SECTIONS.
- 322 INFILL AREA WITH NEW STRUCTURE AND PRE-FINISHED METAL STANDING SEAM ROOF PANELS TO MATCH EXISTING PROFILES.
- 324 WALL MOUNTED PRE-FINISHED METAL ROD AND COLORED TENSILE FABRIC SHADE CANOPY, PRODUCT TO BE SELECTED BY OWNER/ARCHITECT.
- 325 PRE-FINISHED INSULATED ALUMINUM STOREFRONT DOOR, COLOR PER EXTERIOR FINISH LEGEND.
- 327 INSULATED ALUMINUM ROLL-UP OVER HEAD DOOR.
- 328 INFILL EXISTING WALL OPENING WITH CMU BLOCK MATERIAL TO MATCH EXISTING ADJACENT.
- 329 WALL MOUNTED TV VERTICAL PLACEMENT, BOTTOM OF UNIT AT 60" A.F.F., REFER TO ELECTRICAL DRAWINGS FOR POWER/DATA REQUIREMENTS.
- 331 WALL MOUNTED TV HORIZONTAL PLACEMENT, BOTTOM OF UNIT AT 60" A.F.F., REFER TO ELECTRICAL DRAWINGS FOR POWER/DATA REQUIREMENTS.



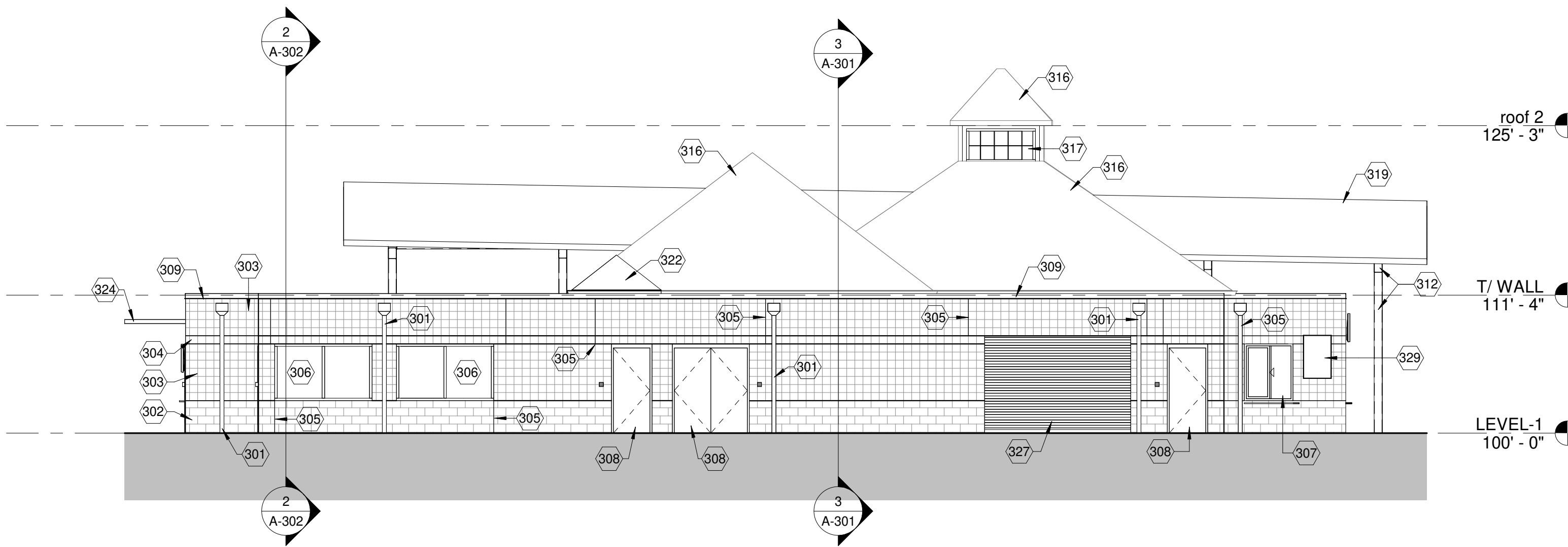
4 PUMP HOUSE - NEW WORK - WEST ELEVATION
A-202 1/8" = 1'-0"



2 NEW WORK - WEST ELEVATION
A-202 1/8" = 1'-0"



3 PUMP HOUSE - NEW WORK - EAST ELEVATION
A-202 1/8" = 1'-0"



1 NEW WORK - EAST ELEVATION
A-202 1/8" = 1'-0"



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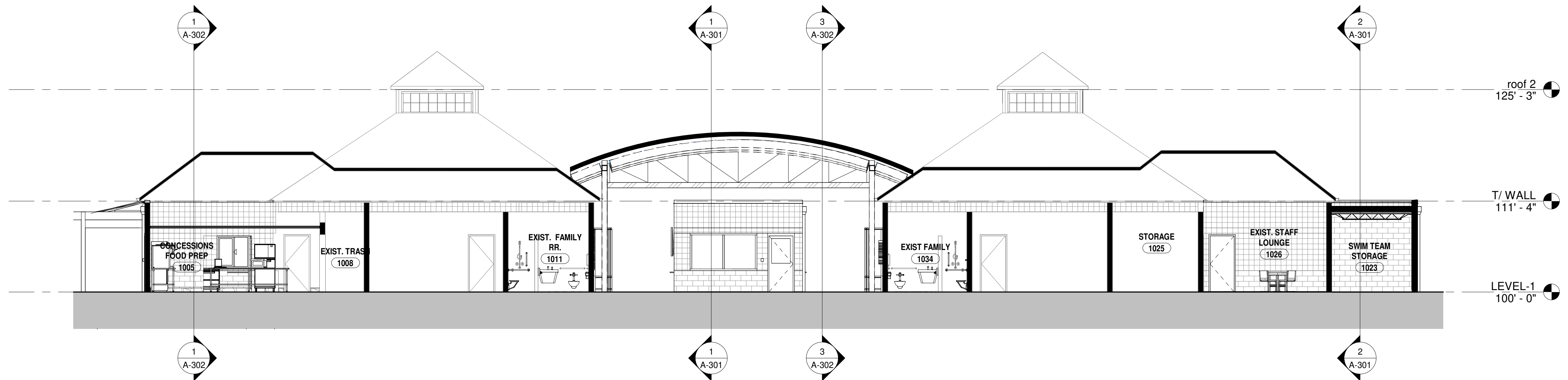
EXTERIOR
ELEVATIONS

SHEET NO.

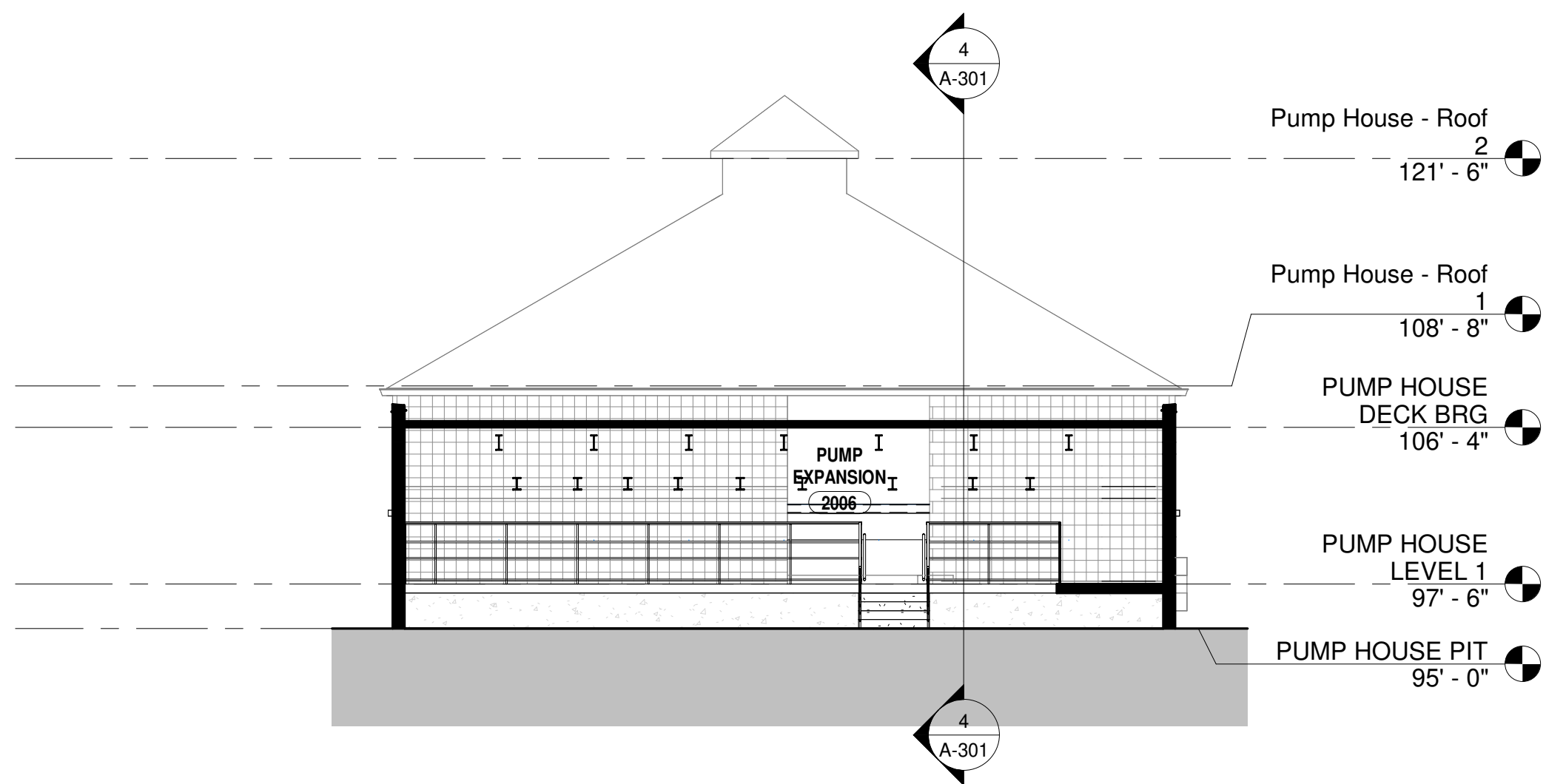
A-202

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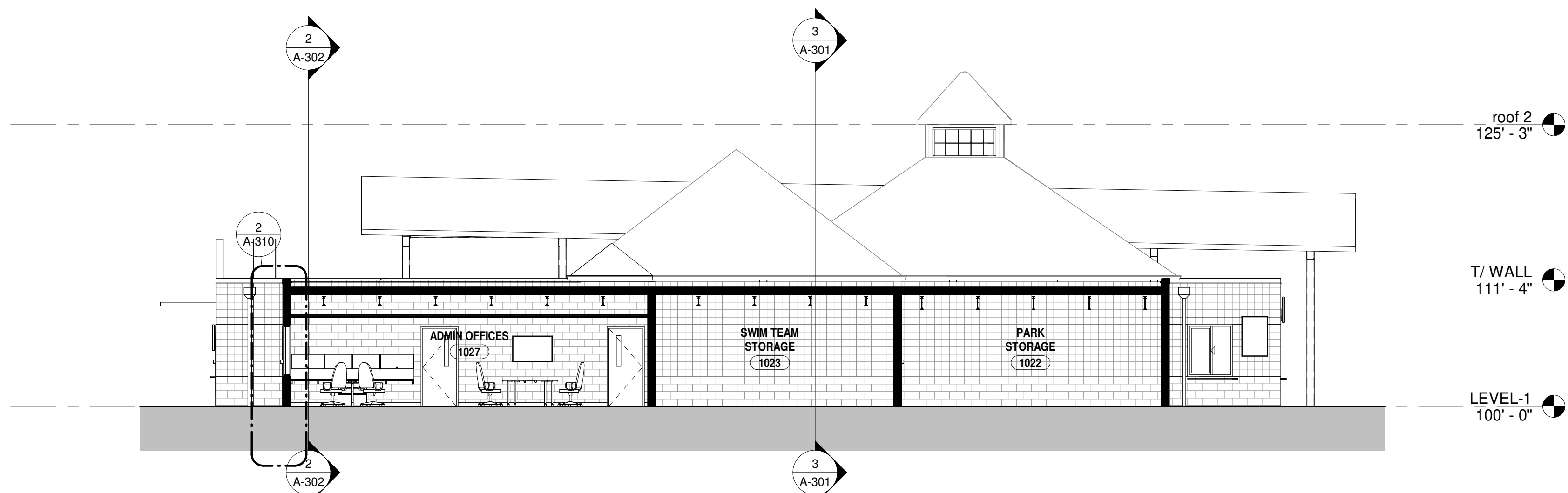
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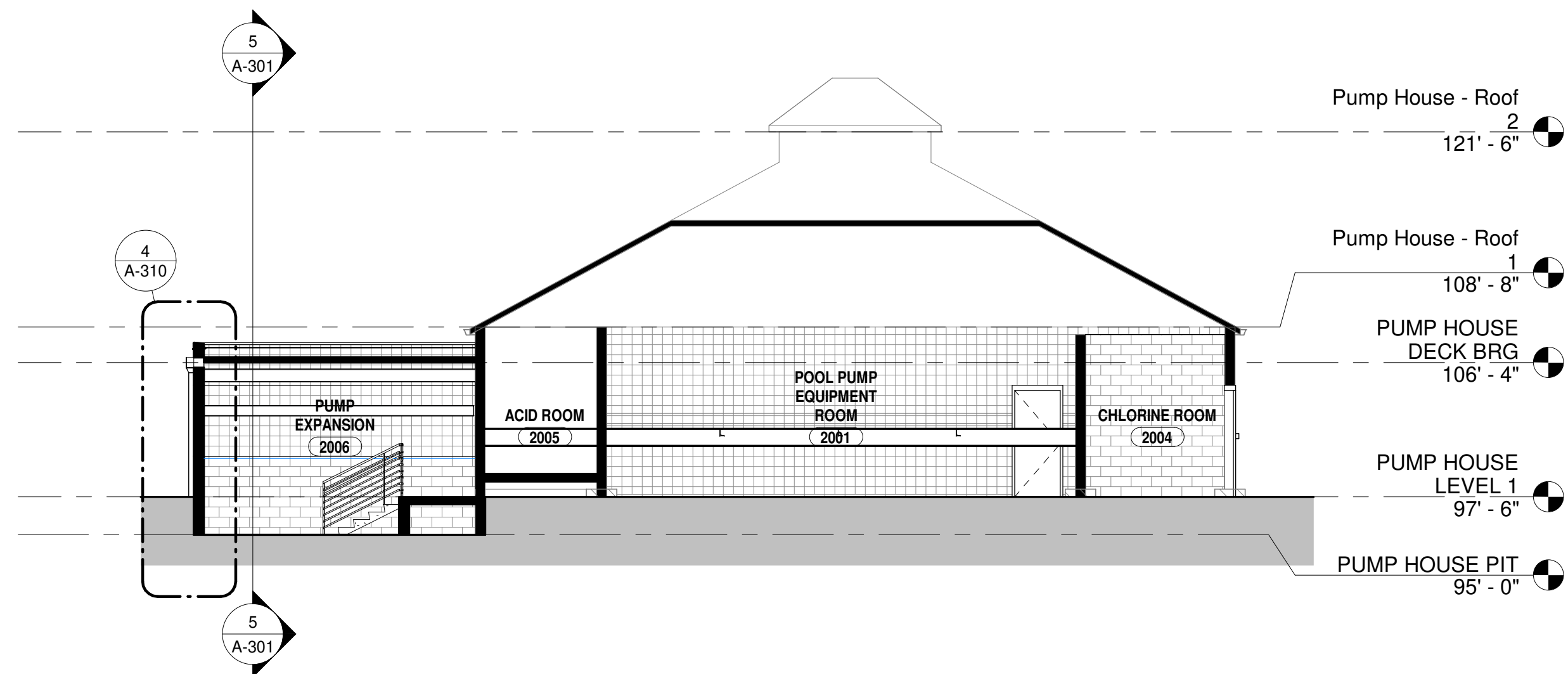
3 BLDG CROSS SECTION EAST-WEST
A-301 1/8" = 1'-0"



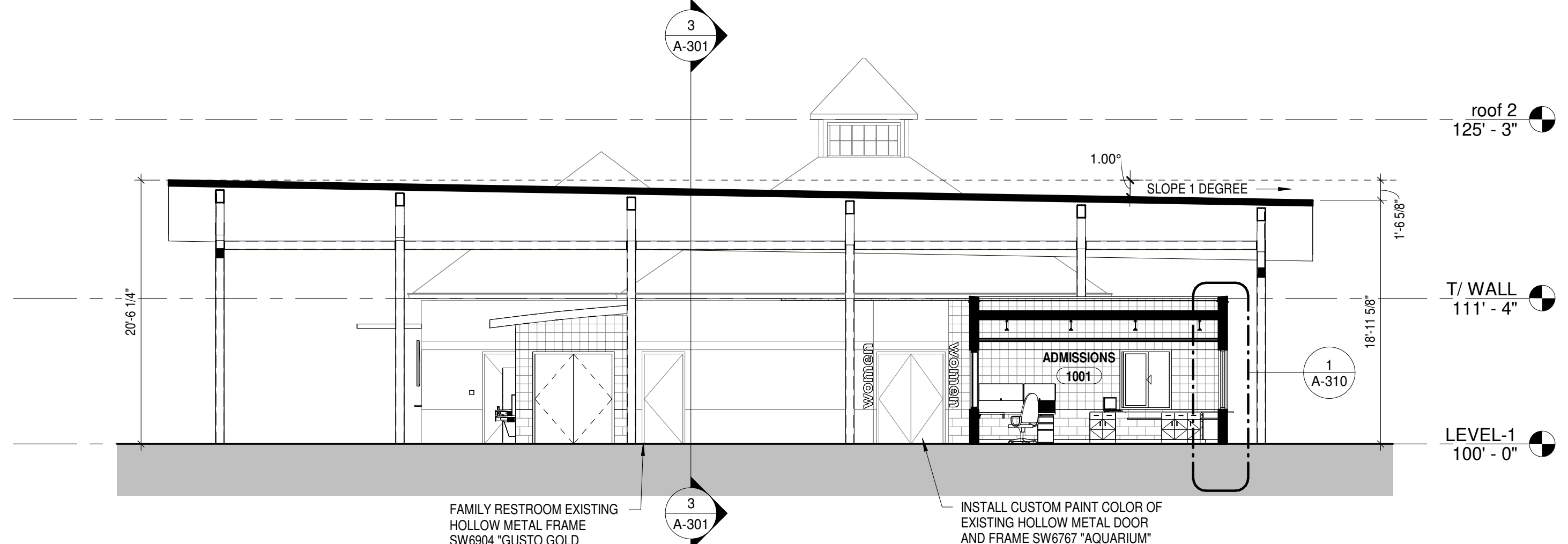
5 PUMP HOUSE CROSS SECTION EAST WEST
A-301 1/8" = 1'-0"



2 BLDG CROSS SECTION NORTH-SOUTH
A-301 1/8" = 1'-0"



4 PUMP HOUSE CROSS SECTION NORTH SOUTH
A-301 1/8" = 1'-0"



1 BREEZEWAY CROSS SECTION - WEST
A-301 1/8" = 1'-0"

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948

Project

Number

7383

DRAWING TITLE

BUILDING SECTIONS

SHEET NO.

A-301

Sycamore Trails
Aquatic Center

400 S. Heincke Road
Miamisburg, 45342

ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By

CAS

Checked By

CAS

Client

Number

948

Project

Number

7383

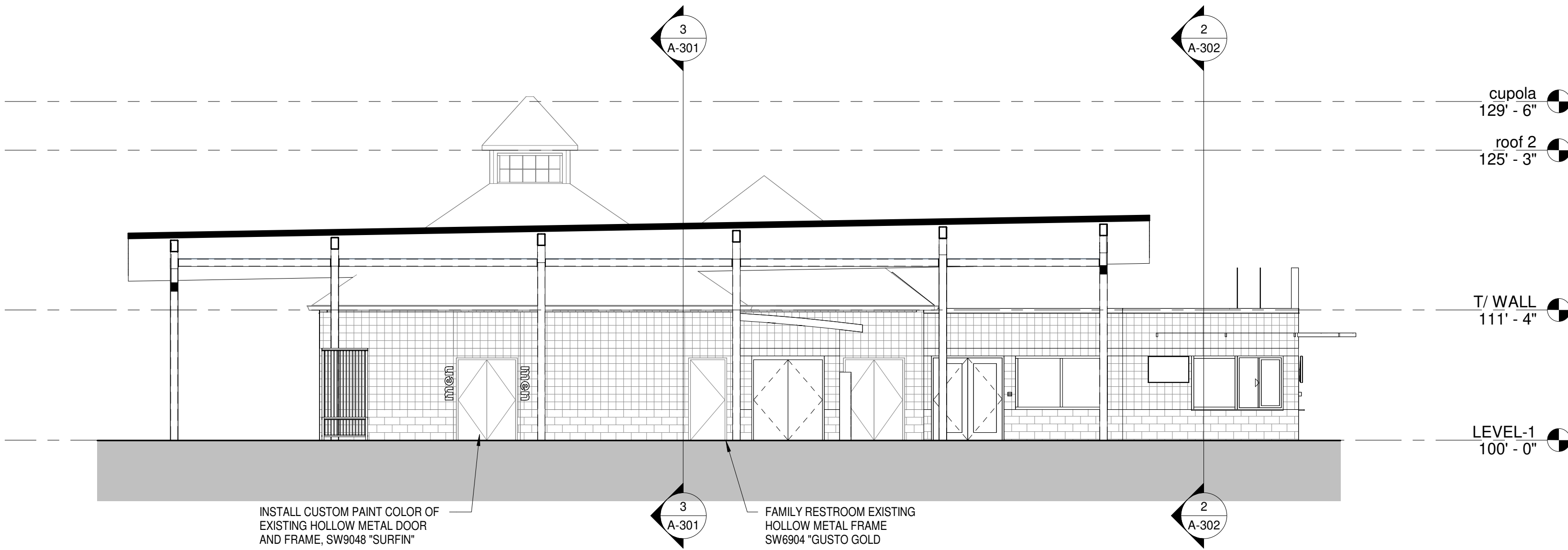
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BUILDING SECTIONS

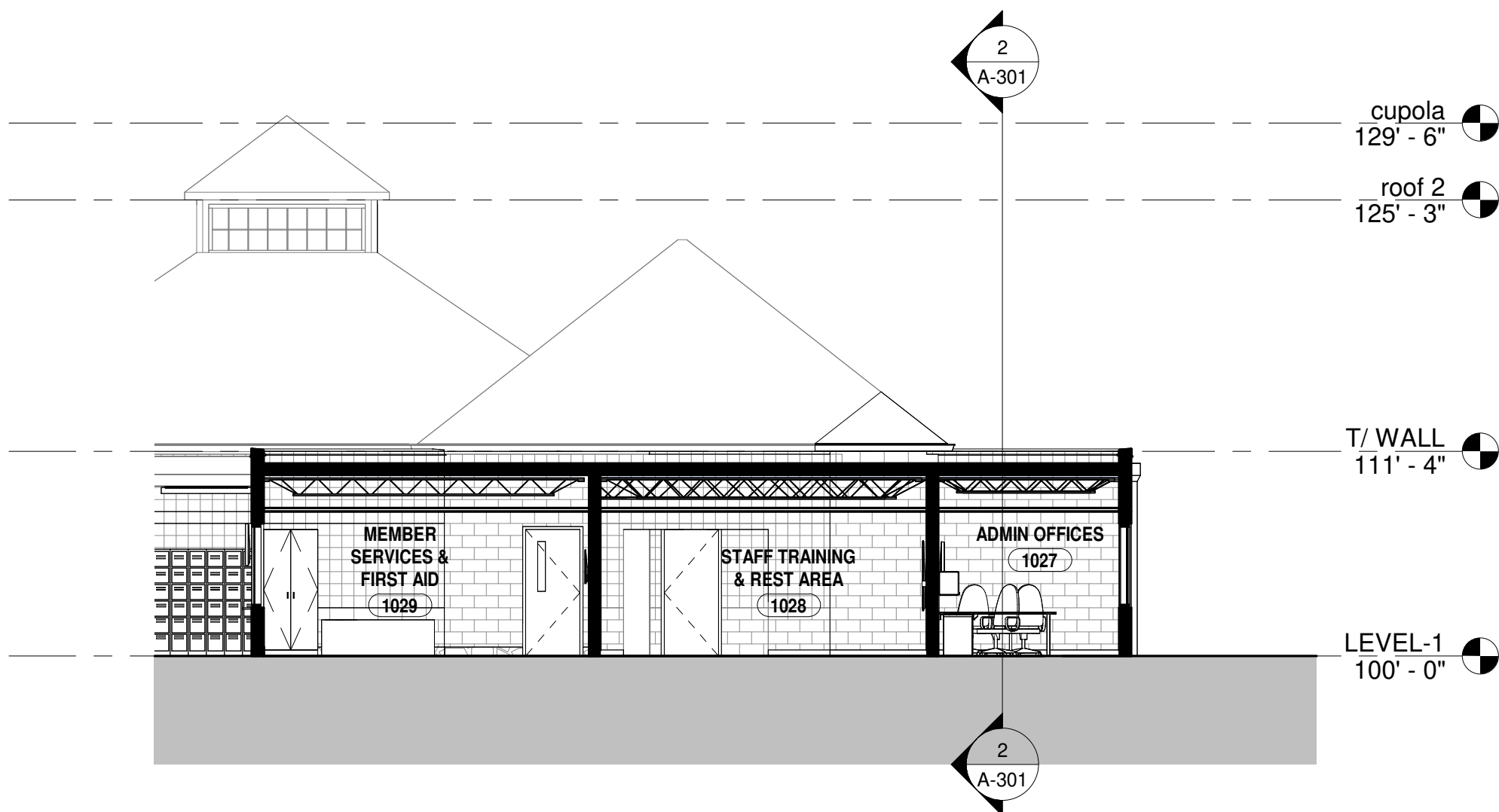
SHEET NO.

A-302

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3 BREEZEWAY CROSS SECTION - EAST
A-302 1/8" = 1'-0"



2 STAFF AREA CROSS SECTION
A-302 1/8" = 1'-0"



1 CONCESSIONS CROSS SECTION
A-302 1/8" = 1'-0"

ISSUED FOR CONSTRUCTION

Sycamore Trails
Aquatic Center

400 S. Heincke Road
Miamisburg, 45342

ISSUANCES

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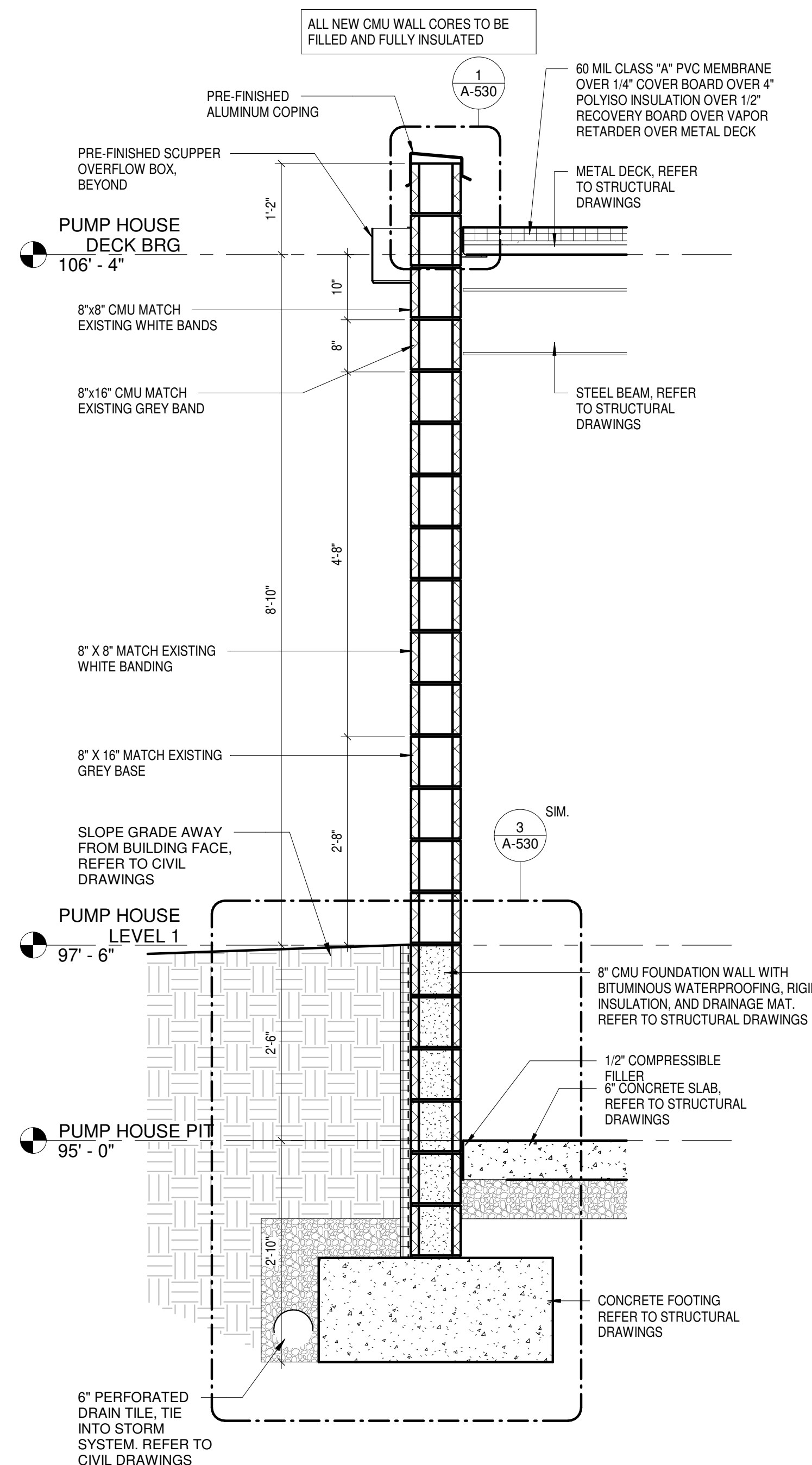
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WALL SECTIONS

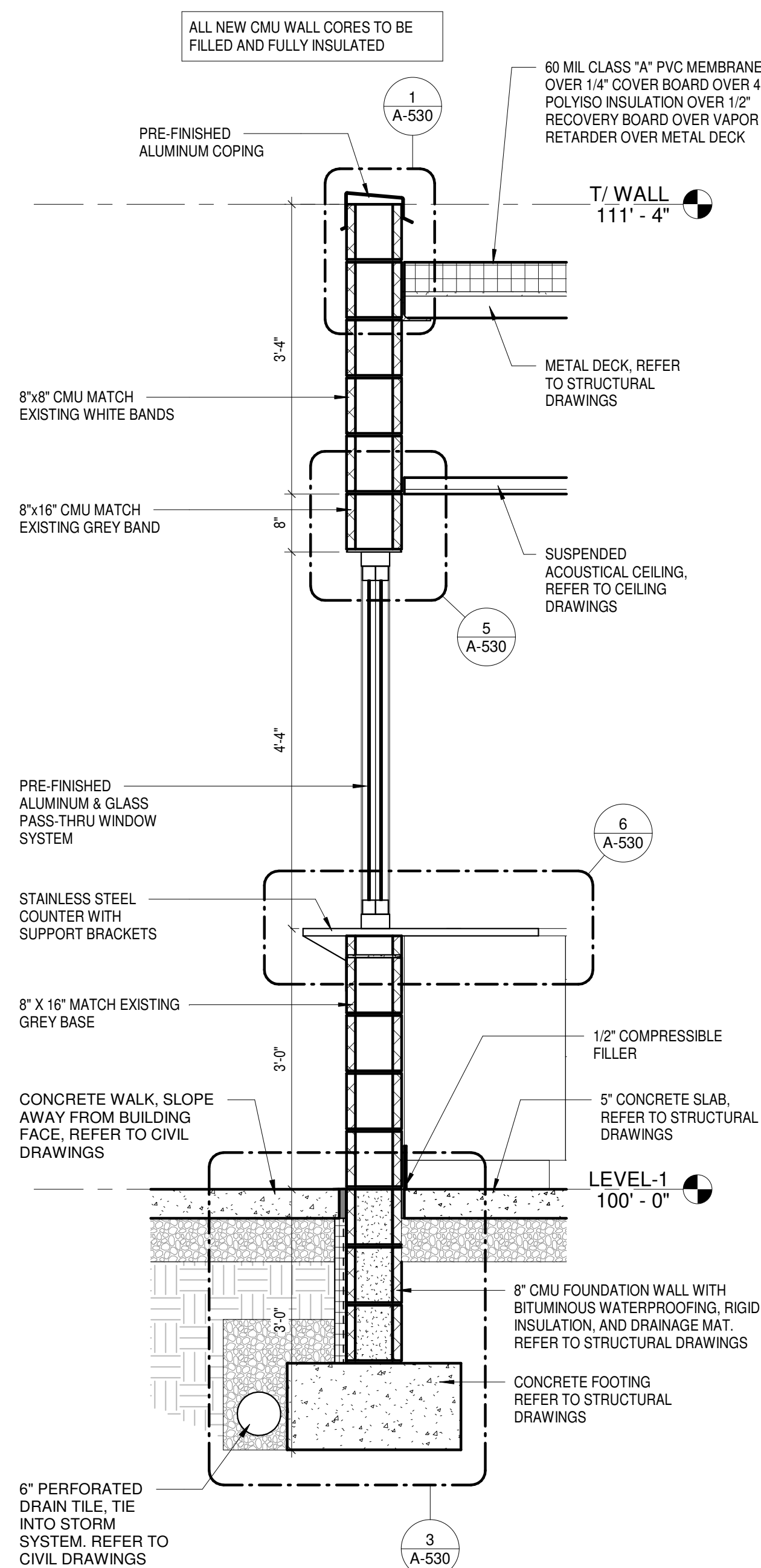
SHEET NO.

A-310

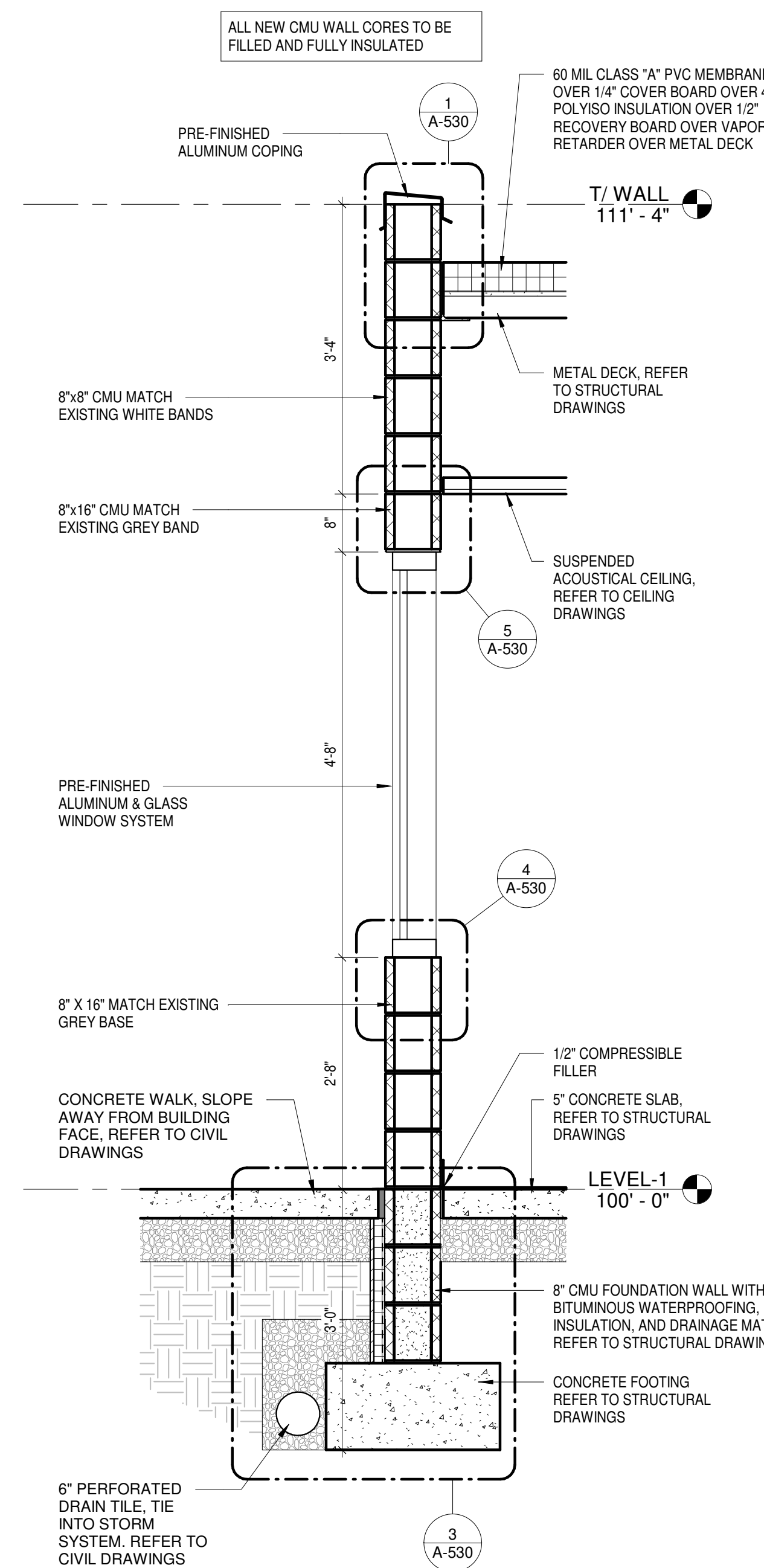
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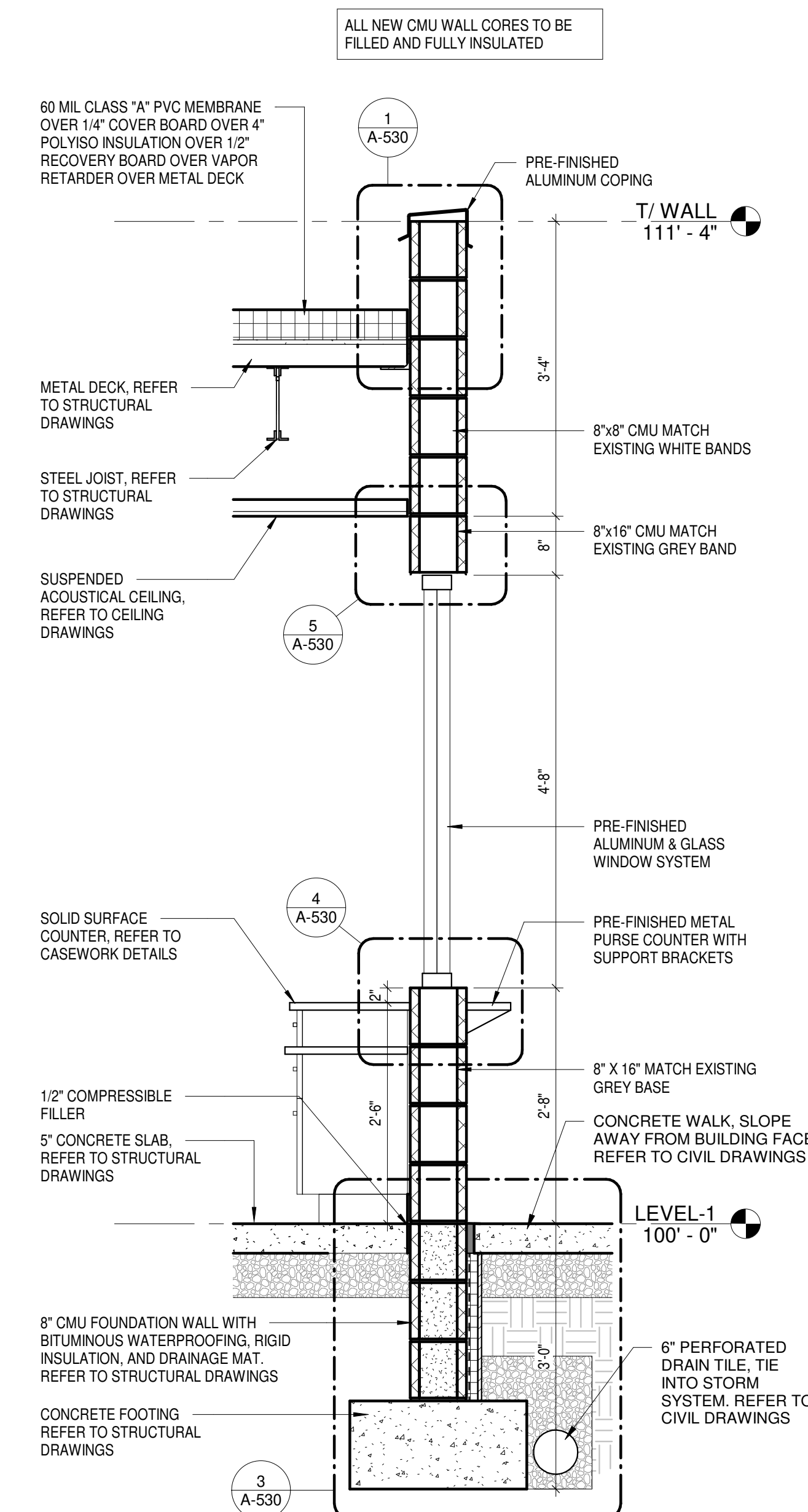
4 PUMP HOUSE - WALL SECTION
A-310 3/4" = 1'-0"



3 CONCESSIONS - WALL SECTION
A-310 3/4" = 1'-0"

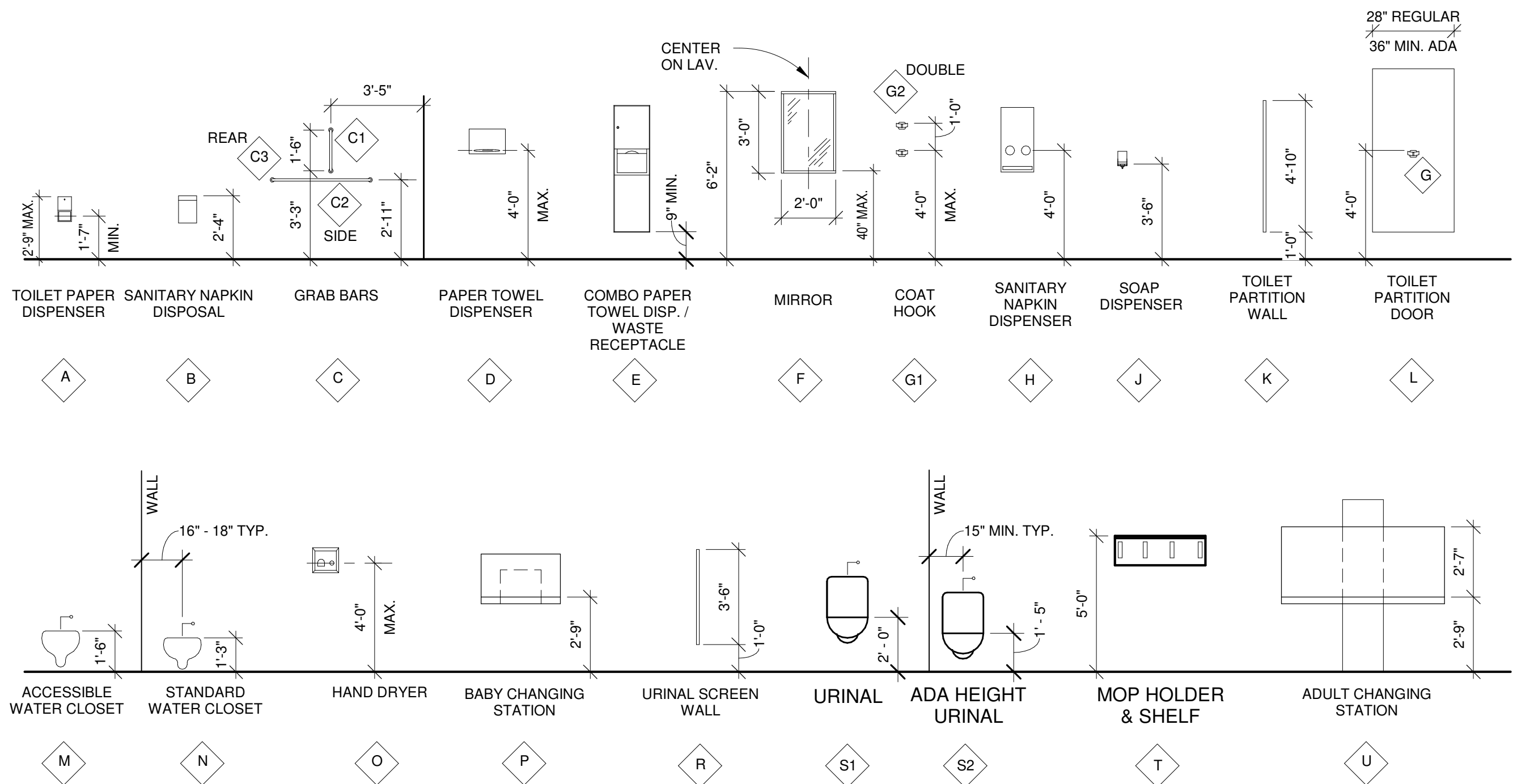


2 ADMIN OFFICE - WALL SECTION
A-310 3/4" = 1'-0"



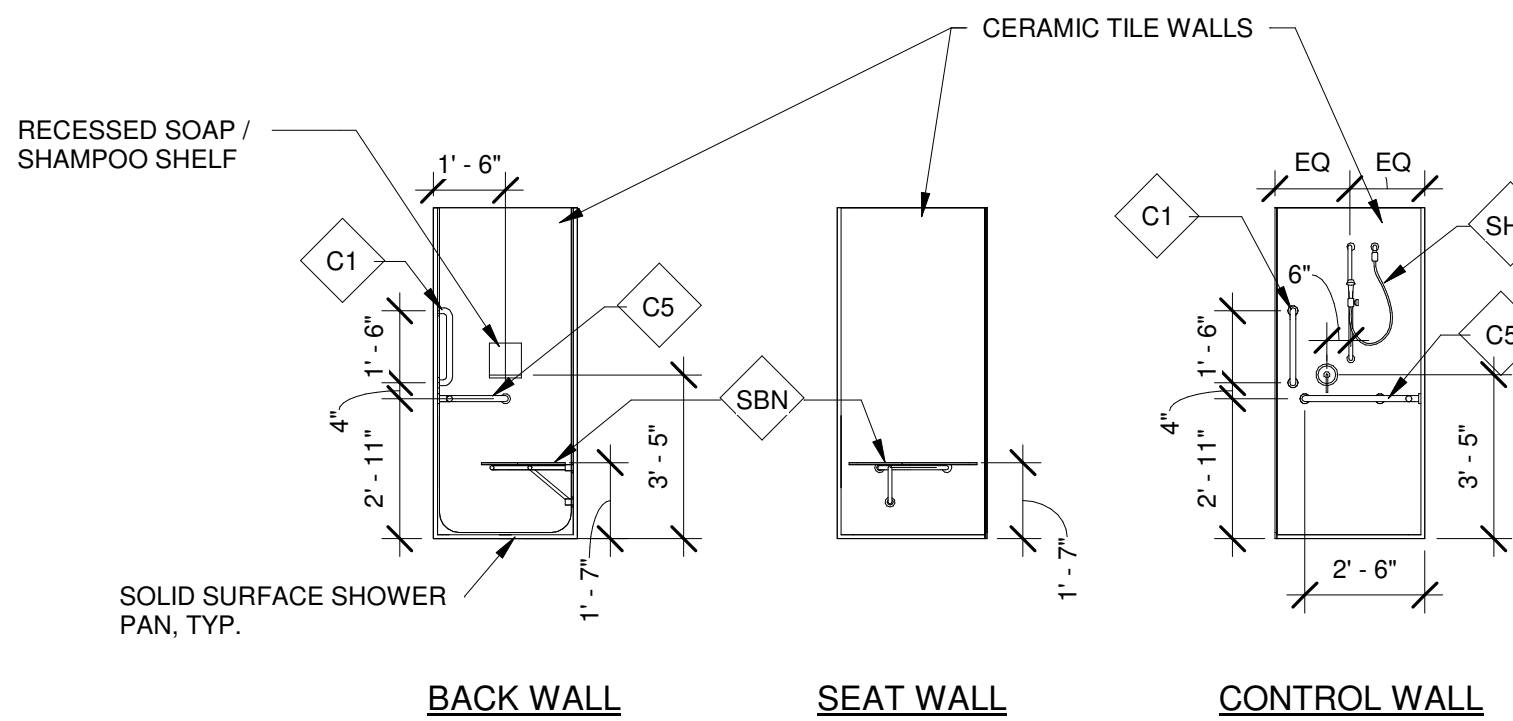
1 ADMISSIONS - WALL SECTION
A-310 3/4" = 1'-0"

ISSUED FOR CONSTRUCTION

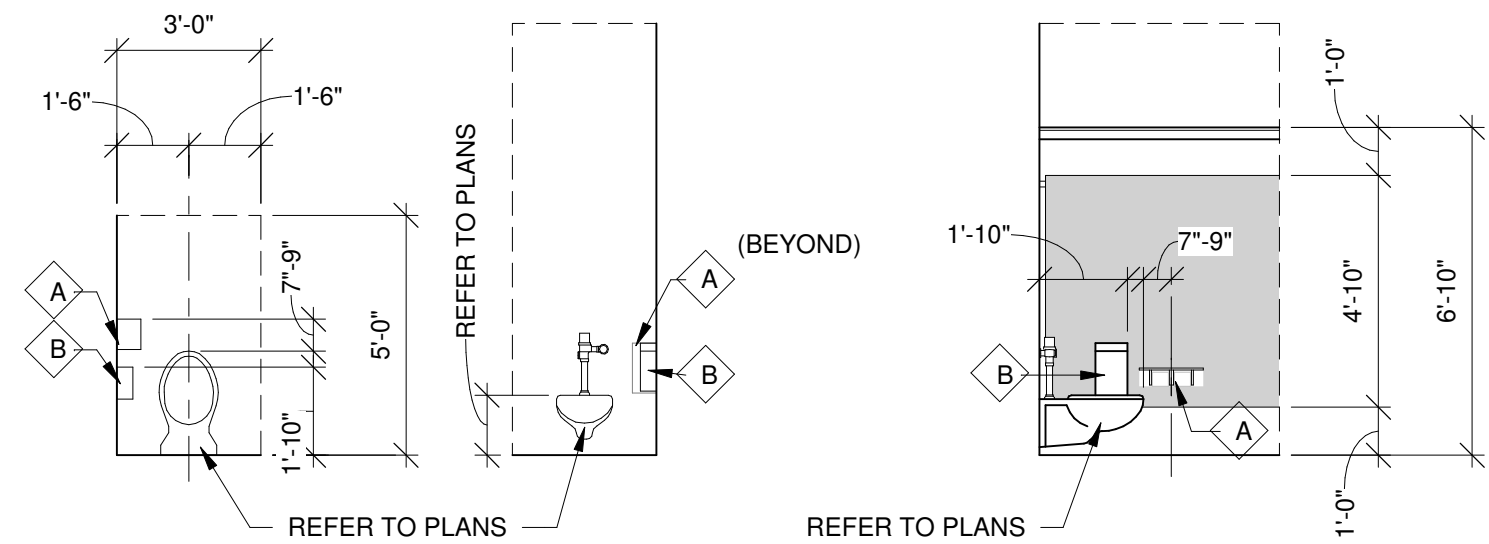


4 TYP. TOILET ACCESSORY ELEVATIONS
1/4" = 1'-0"

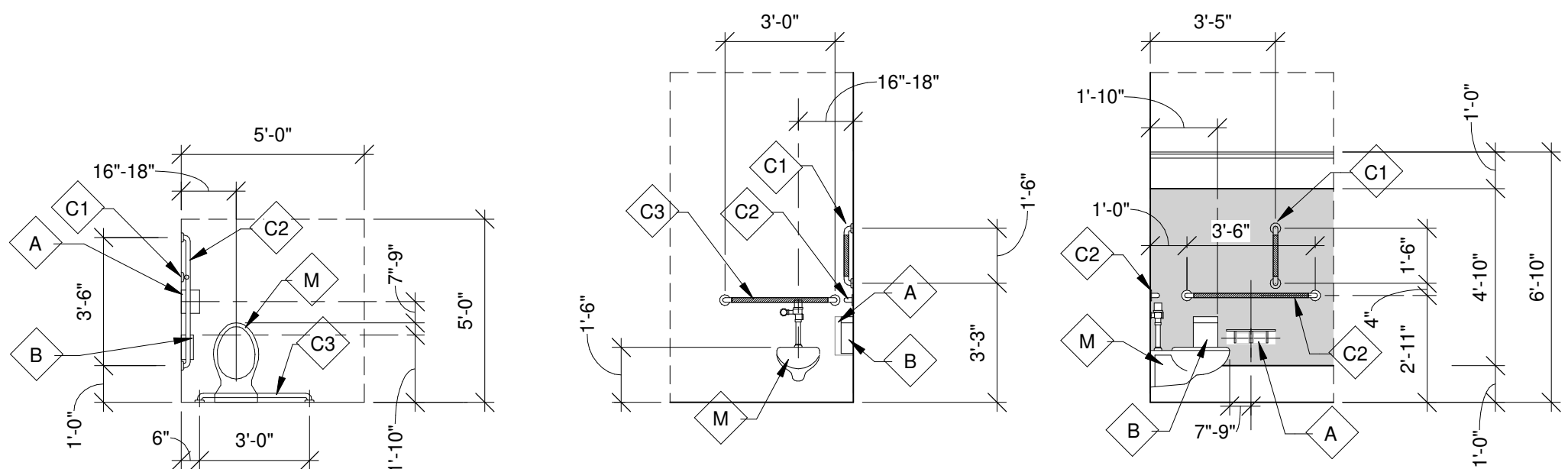
TOILET ACCESSORIES		BASIS OF DESIGN	APPROVED ALTERNATES
A	SURFACE MOUNTED TOILET PAPER DISPENSER	BY OWNER	
B	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK B-270	
C1	18" VERTICAL STAINLESS STEEL GRAB BAR	BOBRICK B-6806	
C2	48" HORIZONTAL STAINLESS STEEL GRAB BAR	BOBRICK B-6806	
C3	36" HORIZONTAL STAINLESS STEEL GRAB BAR	BOBRICK B-6806	
C4	30" HORIZONTAL STAINLESS STEEL GRAB BAR	BOBRICK B-6806	
C5	HORIZONTAL STAINLESS STEEL GRAB BAR - COMBO FOR ADA SHOWER	BOBRICK B-6861	
C6	24" HORIZONTAL STAINLESS STEEL GRAB BAR	BOBRICK B-6806	
D	SURFACE MOUNTED PAPER TOWEL DISPENSER	BY OWNER	
E	SEMI-RECESSED COMBO PAPER TOWEL DISPENSER AND WASTE RECEPTACLE	BOBRICKB-43944	
F	2'-0" WIDE BY 3'-0" TALL STAINLESS STEEL FRAMED WALL MOUNTED MIRROR @ 3'-4" A.F.F.	BOBRICK B-290	
G1 & G2	STAINLESS STEEL ROBE HOOK	BOBRICK B-671	
H	SEMI-RECESSED SANITARY NAPKIN DISPENSER	BOBRICK B-4706C	
J	SURFACE MOUNTED LIQUID SOAP DISPENSER	BY OWNER	
K	CEILING ANCHORED SCRC (SOLID PHENOLIC) TOILET PARTITIONS (INCLUDING URINAL AND SINK SCREENS)	BOBRICK SIERRA SERIES (SCRC)1090	
L	SCRC (SOLID PHENOLIC) TOILET PARTITION DOOR	BOBRICK SIERRA SERIES (SCRC)1090	
M	WALL MOUNTED ADA WATER CLOSET	REFER TO PLBG DWGS	
N	WALL MOUNTED WATER CLOSET	REFER TO PLBG DWGS	
O	WALL MOUNTED HAND DRYER	XLERATOR XL-SB	SANIFLOW MACHFLOW M09ACS-UL
P	SURFACE MOUNTED BABY CHANGING STATION	BOBRICK KB-200-SS	
R	WALL MOUNTED SOLID COLOR REINFORCED COMPOSITE URINAL SCREEN	BOBRICK SIERRA SERIES 1090	
S1	WALL MOUNTED URINAL - ADA HEIGHT	REFER TO PLBG DWGS	
S2	WALL MOUNTED URINAL	REFER TO PLBG DWGS	
T	MOP HOLDER AND SHELF	BOBRICK B-239 X 34	
U	SURFACE MOUNTED ADULT CHANGING TABLE	KOALA KARE "KB3000-AHL"	SANIFLOW BABYMEDI CP0016HCS-ASTM



3 TYP. ACCESSIBLE SHOWER DETAILS
1/4" = 1'-0"



2 TYPICAL TOILET STALL
1/4" = 1'-0"



1 TYP. ADA ACCESSIBLE STALL
1/4" = 1'-0"

ISSUED FOR CONSTRUCTION



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Sycamore Trails Aquatic Center

400 S. Heincke Road
Miamisburg, 45342

ISSUANCES

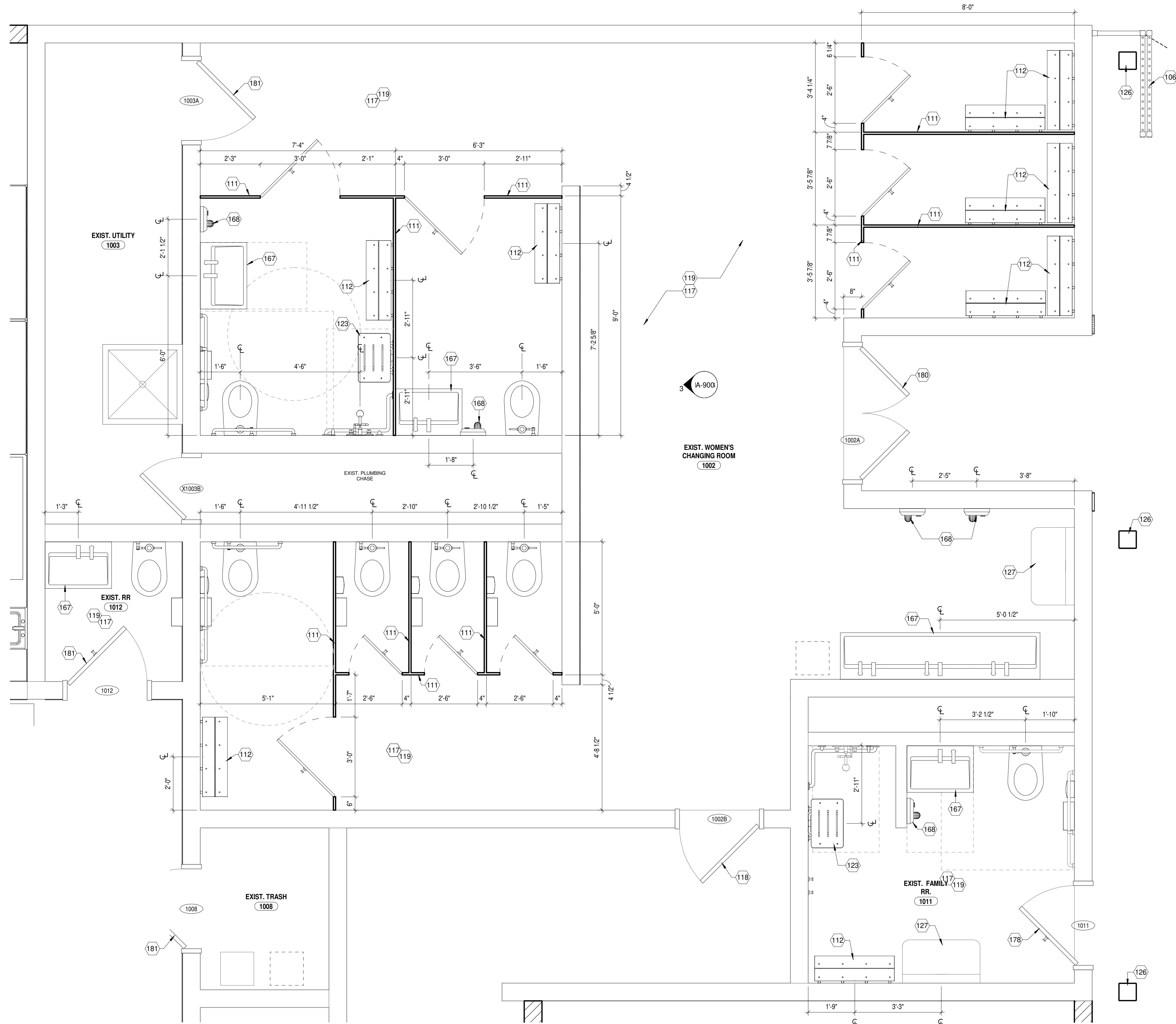
No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By CAS	
Checked By CAS	
Client Number 948	
Project Number 7383	

DRAWING TITLE
**ENLARGED
RESTROOM DETAILS
AND EQUIPMENT
LEGEND**

SHEET NO.

A-400



FLOOR PLAN GENERAL NOTES

- A. REFER TO SHEET A-002 FOR PROJECT GENERAL NOTES, SYMBOLS, ABBREVIATIONS, AND RECOMMENDED MOUNTING HEIGHTS FOR FIXTURES AND ACCESSORIES.
- B. REFER TO DISCIPLINE-SPECIFIC DRAWINGS (STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, TECHNOLOGY, FIRE PROTECTION) FOR ADDITIONAL INFORMATION.
- C. ALL DIMENSIONS ARE TO FINISH FACE UNLESS NOTED OTHERWISE.
- D. REFER TO INTERIOR ELEVATIONS FOR WALL-MOUNTED ITEMS.
- E. REFER TO ENLARGED PLANS FOR WALL TYPES NOT SHOWN ON NEW WORK PLANS.
- F. SEE FINISH LEGEND, FINISH SCHEDULE, AND FINISH PLANS FOR FINISH MATERIAL INFORMATION.
- G. REFER TO PARTITION SCHEDULE FOR PARTITION ASSEMBLY DESIGNS.
- H. DIMENSIONS LABELED "MIN" OR "CLEAR" SHALL NOT BE LESS THAN INDICATED. DIMENSIONS LABELED "HOLD" SHALL BE EXACTLY AS INDICATED AND NO MORE OR NO LESS.
- I. WHERE PARTITIONS OF DIFFERENT THICKNESS MEET, MAINTAIN A FLUSH SURFACE ON THE FACES THAT ALIGN.
- J. INFILL ANY VOIDS IN PARTITIONS ARISING OUT OF DEMOLITION AND CONSTRUCTION ACTIVITY.
- K. SEAL ALL MECHANICAL, ELECTRICAL, AND PLUMBING PENETRATIONS THROUGH PARTITIONS.
- L. INSTALL NEW FLOORING AND BASE. REFER TO FINISH PLAN AND LEGEND FOR SPECIFICATIONS AND REGIONS.
- M. GO TO CONTACT "COMFORT SYSTEMS" FOR DOOR ACCESS CONTROL COORDINATION AND INSTALLATION. ACCESS CARD LOCATIONS ARE SHOWN ON DRAWINGS TO PROVIDE PATHWAYS ONLY. CONTACT INFORMATION IS TONY MARINO AT (330) 380-3700.
- N. PROVIDE WALL REINFORCEMENT AT ALL WALL-HUNG CASEWORK, FIXTURES, SPECIALTY EQUIPMENT, AND SHELVING.
- O. PROVIDE FIRE EXTINGUISHERS COMPLYING WITH NFPA 10 AS INDICATED ON THE LIFE SAFETY DRAWINGS. WHERE CABINET TYPE IS INDICATED (FEO), PROVIDE SURFACE WALL MOUNTED TYPE.

DRAWING KEYNOTES

- 106 MOVEABLE SEGMENTED ROLLING SECURITY FENCE / GATE, MOUNT TO EXTERIOR WALL. REFER TO DETAILS.
- 111 NEW CEILING MOUNTED OVERHEAD BRACED "HPL" LAMINATED TOILET PARTITIONS.
- 112 48" LONG WALL MOUNTED ABUSE RESISTANT RECYCLED PLASTIC BENCH WITH PREFINISHED METAL SUPPORTS. SURFACE FINISH BASIS OF DESIGN WISHBONE SITE FURNISHINGS STANDARD WALL MOUNT BENCH.
- 117 PREP EXISTING CONCRETE FLOOR FOR NEW FINISH FLOORING. REFER TO FINISH LEGEND.
- 118 EXISTING HOLLOW METAL DOOR, PAINT TO MATCH EXISTING CMU ACCENT COLOR. HOLLOW METAL FRAME, PAINT TO MATCH SW6767 "AQUARIUM".
- 119 WASHDOWN, CLEAN, AND PREP FOR NEW EPOXY PAINT FINISH. REFER TO FINISH LEGEND.
- 123 INSTALL WALL MOUNTED PHENOLIC ADA SHOWER BENCH.
- 126 TUBE STEEL COLUMN, PAINTED. REFER TO EXTERIOR ELEVATIONS AND STRUCTURAL DRAWINGS.
- 127 EXISTING WALL MOUNTED BABY CHANGING STATION TO REMAIN. REMOVE ONLY TO REPAINT THE ROOM AND RE-INSTALL IN THE SAME LOCATION.
- 167 NEW SURFACE MOUNTED SOLID SURFACE TROUGH STYLE SINK/LAVATORY UNIT. REFER TO PLUMBING DRAWINGS.
- 168 SURFCE MOUNTED HAND DRYER, REFER TO ELECTRICAL DRAWINGS.
- 178 EXISTING HOLLOW METAL DOOR, PAINT TO MATCH EXISTING CMU ACCENT COLOR. HOLLOW METAL FRAME, PAINT TO MATCH SW6904 "GUSTO GOLD".
- 180 EXISTING HOLLOW METAL DOOR AND FRAME, PAINT SW6767 "AQUARIUM".
- 181 EXISTING HOLLOW METAL DOOR AND FRAME, PAINT TO MATCH ADJACENT WALL PAINT COLOR.

1 ENLARGED WOMEN'S CHANGING AREA
A-401 1/2" = 1'-0"



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Sycamore Trails Aquatic Center

400 S. Heincke Road
Miamisburg, 45342

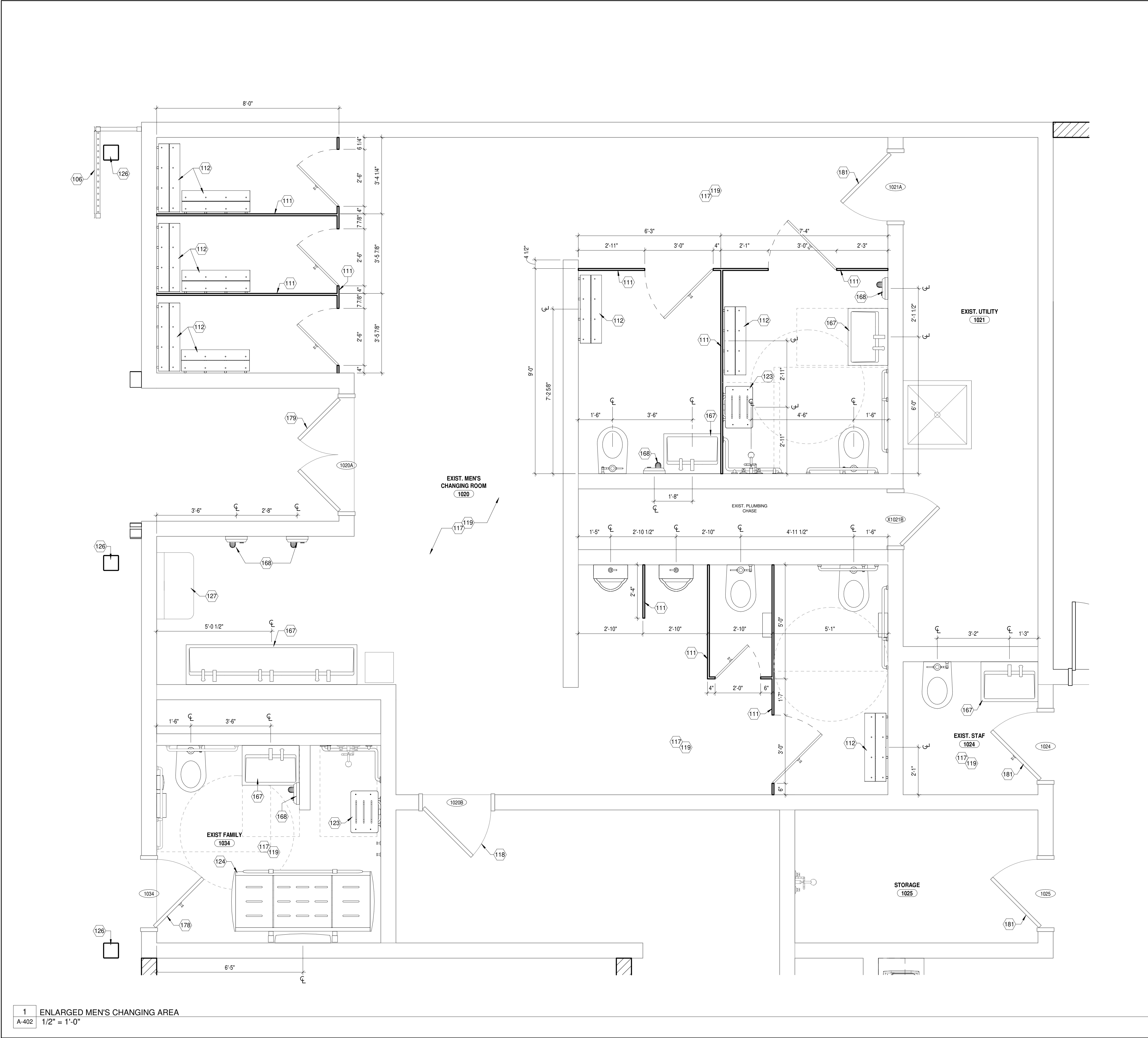
ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By CAS	
Checked By CAS	
Client Number 948	
Project Number 7383	

DRAWING TITLE
ENLARGED PLANS

SHEET NO.
A-401



FLOOR PLAN GENERAL NOTES

- A. REFER TO SHEET A-002 FOR PROJECT GENERAL NOTES, SYMBOLS, ABBREVIATIONS, AND RECOMMENDED MOUNTING HEIGHTS FOR FIXTURES AND ACCESSORIES.
- B. REFER TO DISCIPLINE-SPECIFIC DRAWINGS (STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, TECHNOLOGY, FIRE PROTECTION) FOR ADDITIONAL INFORMATION.
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- E. REFER TO ENLARGED PLANS FOR WALL TYPES NOT SHOWN ON NEW WORK PLANS.
- F. SEE FINISH LEGEND, FINISH SCHEDULE, AND FINISH PLANS FOR FINISH MATERIAL INFORMATION.
- G. REFER TO PARTITION SCHEDULE FOR PARTITION ASSEMBLY DESIGNS.
- H. DIMENSIONS LABELED "MIN" OR "CLEAR" SHALL NOT BE LESS THAN INDICATED. DIMENSIONS LABELED "HOLD" SHALL BE EXACTLY AS INDICATED AND NO MORE OR NO LESS.
- I. WHERE PARTITIONS OF DIFFERENT THICKNESS MEET, MAINTAIN A FLUSH SURFACE ON THE FACES THAT ALIGN.
- J. INFILL ANY VOIDS IN PARTITIONS ARISING OUT OF DEMOLITION AND CONSTRUCTION ACTIVITY.
- K. SEAL ALL MECHANICAL, ELECTRICAL, AND PLUMBING PENETRATIONS THROUGH PARTITIONS.
- L. INSTALL NEW FLOORING AND BASE. REFER TO FINISH PLAN AND LEGEND FOR SPECIFICATIONS AND REGIONS.
- M. GO TO CONTACT "COMFORT SYSTEMS" FOR DOOR ACCESS CONTROL COORDINATION AND INSTALLATION. ACCESS CARD LOCATIONS ARE SHOWN ON DRAWINGS TO PROVIDE PATHWAYS ONLY. CONTACT INFORMATION IS TONY MARINO AT (330) 380-3700.
- N. PROVIDE WALL REINFORCEMENT AT ALL WALL-HUNG CASEWORK, FIXTURES, SPECIALTY EQUIPMENT, AND SHELVING.
- O. PROVIDE FIRE EXTINGUISHERS COMPLYING WITH NFPA 10 AS INDICATED ON THE LIFE SAFETY DRAWINGS. WHERE CABINET TYPE IS INDICATED (FEC), PROVIDE SURFACE WALL MOUNTED TYPE.

DRAWING KEYNOTES

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- 111 NEW CEILING MOUNTED OVERHEAD BRACED "HPL" LAMINATED TOILET PARTITIONS.
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- 117 PREP EXISTING CONCRETE FLOOR FOR NEW FINISH FLOORING. REFER TO FINISH LEGEND.
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- 123 INSTALL WALL MOUNTED PHENOLIC ADA SHOWER BENCH.
- 124 INSTALL WALL MOUNTED KOALA KARE "KB3000-AHL" FOLD UP ADULT ADA CHANGING TABLE. REFER TO ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.
- 126 TUBE STEEL COLUMN, PAINTED, REFER TO EXTERIOR ELEVATIONS AND STRUCTURAL DRAWINGS.
- 127 EXISTING WALL MOUNTED BABY CHANGING STATION TO REMAIN, REMOVE ONLY TO REPAINT THE ROOM AND RE-INSTALL IN THE SAME LOCATION.
- 167 NEW SURFACE MOUNTED SOLID SURFACE TROUGH STYLE SINK/LAVATORY UNIT, REFER TO PLUMBING DRAWINGS.
- 168 SURFACE MOUNTED HAND DRYER, REFER TO ELECTRICAL DRAWINGS.
- 178 EXISTING HOLLOW METAL DOOR, PAINT TO MATCH EXISTING CMU ACCENT COLOR. HOLLOW METAL FRAME, PAINT TO MATCH SW6904 "GUSTO GOLD".
- 179 EXISTING HOLLOW METAL DOOR AND FRAME, PAINT SW9048 "SURFIN".
- 181 EXISTING HOLLOW METAL DOOR AND FRAME, PAINT TO MATCH ADJACENT WALL PAINT COLOR.



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Sycamore Trails
Aquatic Center

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ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By CAS	
Checked By CAS	
Client Number 948	
Project Number 7383	
DAVID C. GLOVER LICENSE #13805 EXPIRATION DATE 12/31/2025	

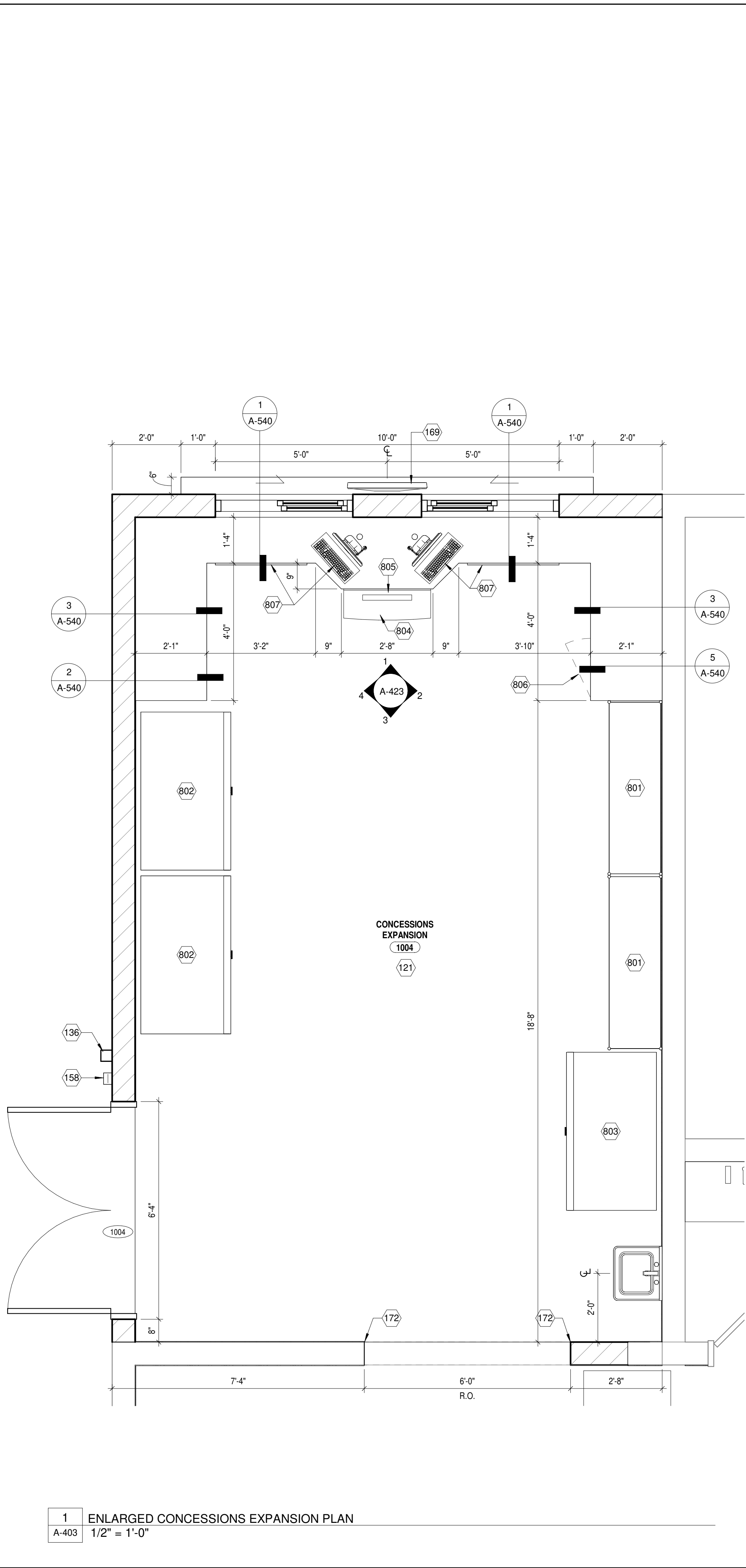
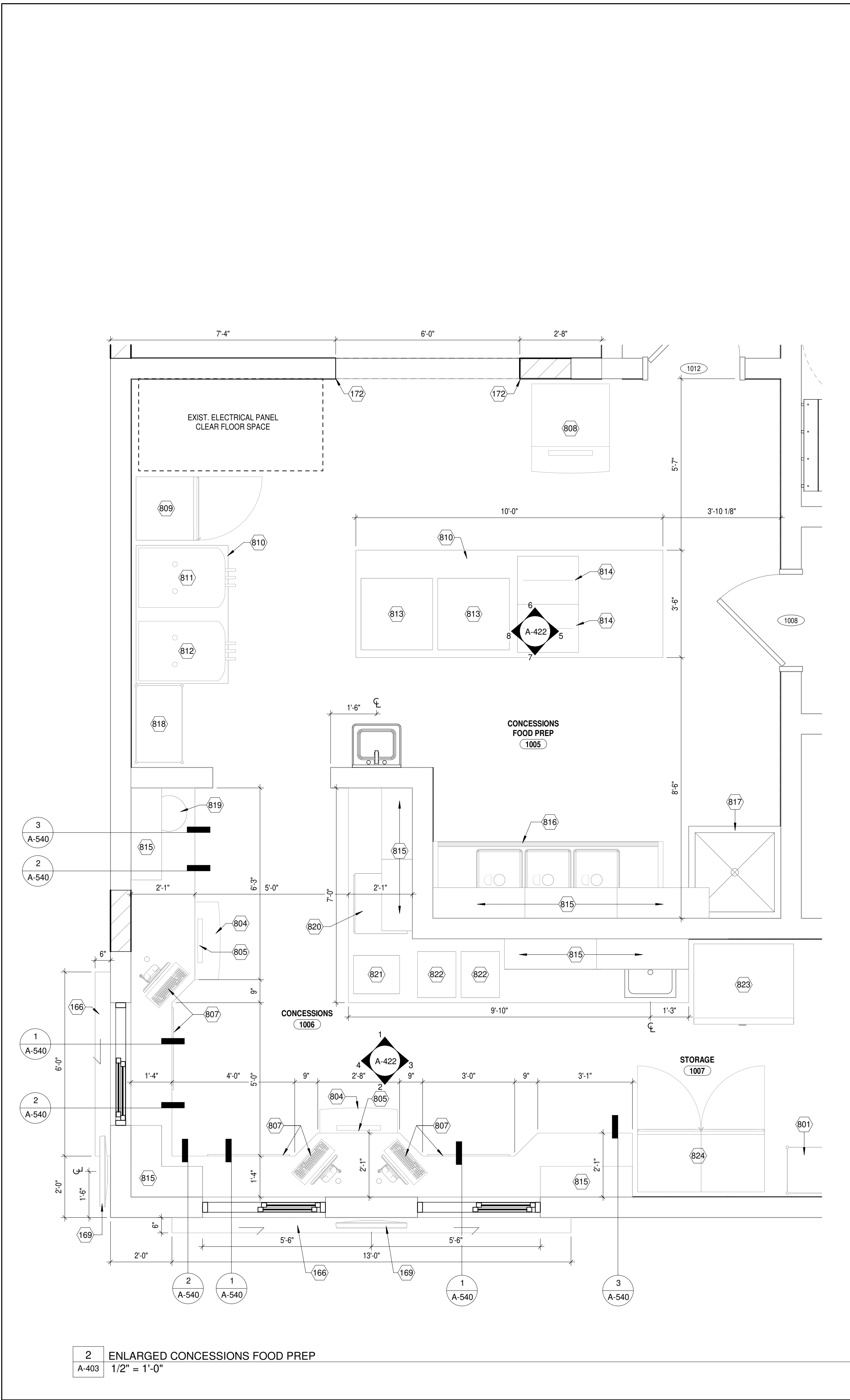
DRAWING TITLE
ENLARGED PLANS

SHEET NO.

A-402

ISSUED FOR CONSTRUCTION

3/12/2025 1:58:35 PM



FLOOR PLAN GENERAL NOTES

- A. REFER TO SHEET A-002 FOR PROJECT GENERAL NOTES, SYMBOLS, ABBREVIATIONS, AND RECOMMENDED MOUNTING HEIGHTS FOR FIXTURES AND ACCESSORIES.
- B. REFER TO DISCIPLINE-SPECIFIC DRAWINGS (STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, TECHNOLOGY, FIRE PROTECTION) FOR ADDITIONAL INFORMATION.
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- F. SEE FINISH LEGEND, FINISH SCHEDULE, AND FINISH PLANS FOR FINISH MATERIAL INFORMATION.
- G. REFER TO PARTITION SCHEDULE FOR PARTITION ASSEMBLY DESIGNS.
- H. DIMENSIONS LABELED "MIN" OR "CLEAR" SHALL NOT BE LESS THAN INDICATED. DIMENSIONS LABELED "HOLD" SHALL BE EXACTLY AS INDICATED AND NO MORE OR NO LESS.
- I. WHERE PARTITIONS OF DIFFERENT THICKNESS MEET, MAINTAIN A FLUSH SURFACE ON THE FACES THAT ALIGN.
- J. INFILL ANY VOIDS IN PARTITIONS ARISING OUT OF DEMOLITION AND CONSTRUCTION ACTIVITY.
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- L. INSTALL NEW FLOORING AND BASE. REFER TO FINISH PLAN AND LEGEND FOR SPECIFICATIONS AND REGIONS.
- M. GO TO CONTACT "COMFORT SYSTEMS" FOR DOOR ACCESS CONTROL COORDINATION AND INSTALLATION. ACCESS CARD LOCATIONS ARE SHOWN ON DRAWINGS TO PROVIDE PATHWAYS ONLY. CONTACT INFORMATION IS TONY MARINO AT (330) 380-3700.
- N. PROVIDE WALL REINFORCEMENT AT ALL WALL-HUNG CASEWORK, FIXTURES, SPECIALTY EQUIPMENT, AND SHELVING.
- O. PROVIDE FIRE EXTINGUISHERS COMPLYING WITH NFPA 10 AS INDICATED ON THE LIFE SAFETY DRAWINGS. WHERE CABINET TYPE IS INDICATED (FEC), PROVIDE SURFACE WALL MOUNTED TYPE.

DRAWING KEYNOTES

- 121 NEW FINISH FLOORING MATERIAL AND WALL BASE, SEE FINISH PLAN.
- 136 PRE-FINISHED SURFACE MOUNTED DOWNSPOUT, REFER TO ROOF PLANS.
- 158 INSTALL WALL MOUNTED SECURITY ACCESS CARD LOCATION FOR DOOR ACCESS, BOTTOM @ 46"A.F.F. REFER TO ELECTRICAL DRAWINGS.
- 166 SURFACE MOUNTED, PRE-FINISHED ALUMINUM COUNTER, COLOR TO BE SELECTED BY ARCHITECT.
- 169 WALL MOUNTED TV VERTICAL PLACEMENT, BOTTOM OF UNIT AT 60" A.F.F., REFER TO ELECTRICAL DRAWINGS FOR POWER/DATA REQUIREMENTS.
- 172 PROVIDE STAINLESS STEEL WALL WRAPS AT CUT IN OPENING, REFER TO OPENING DETAILS.
- 801 MOVEABLE STAINLESS STEEL WIRE RACK SHELVING UNIT (O.F.O.I.).
- 802 DOUBLE DOOR REFRIGERATOR UNIT (O.F.O.I.).
- 803 DOUBLE DOOR FREEZER UNIT (O.F.O.I.).
- 804 UNDERCOUNTER ICE BIN (O.F.O.I.).
- 805 SODA GUN, TIED BACK TO SODA RACK UNIT (O.F.O.I.).
- 806 UNDERCOUNTER REFRIGERATOR UNIT (O.F.O.I.).
- 807 POINT OF SALE STATION WITH UNDERCOUNTER CASE DRAWER (O.F.O.I.).
- 808 ICE MAKER (O.F.O.I.).
- 809 ICE CREAM FREEZER (O.F.O.I.).
- 810 STAINLESS STEEL EQUIPMENT TABLE (O.F.O.I.).
- 811 SOFT SERVE ICE CREAM MACHINE (O.F.O.I.).
- 812 SLUSHIE MACHINE (O.F.O.I.).
- 813 PIZZA CONVECTION OVEN (O.F.O.I.).
- 814 MICROWAVE (O.F.O.I.).
- 815 UPPER STAINLESS STEEL SHELVING.
- 816 EXISTING STAINLESS STEEL 3-BOWL SINK TO REMAIN.
- 817 EXISTING MOP SINK TO REMAIN.
- 818 SODA RACK MAIN LOCATION (O.F.O.I.).
- 819 NACHO SHEESE WARMER (O.F.O.I.).
- 820 HOT DOG ROLLER AND BUN WARMER (O.F.O.I.).
- 821 PIZZA WARMER (O.F.O.I.).
- 822 PRETZEL WARMER (O.F.O.I.).
- 823 SINGLE DOOR REFRIGERATOR (O.F.O.I.).
- 824 DOUBLE DOOR BOTTLE FRIDGE (O.F.O.I.).



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1 937.224.4474



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ISSUANCES

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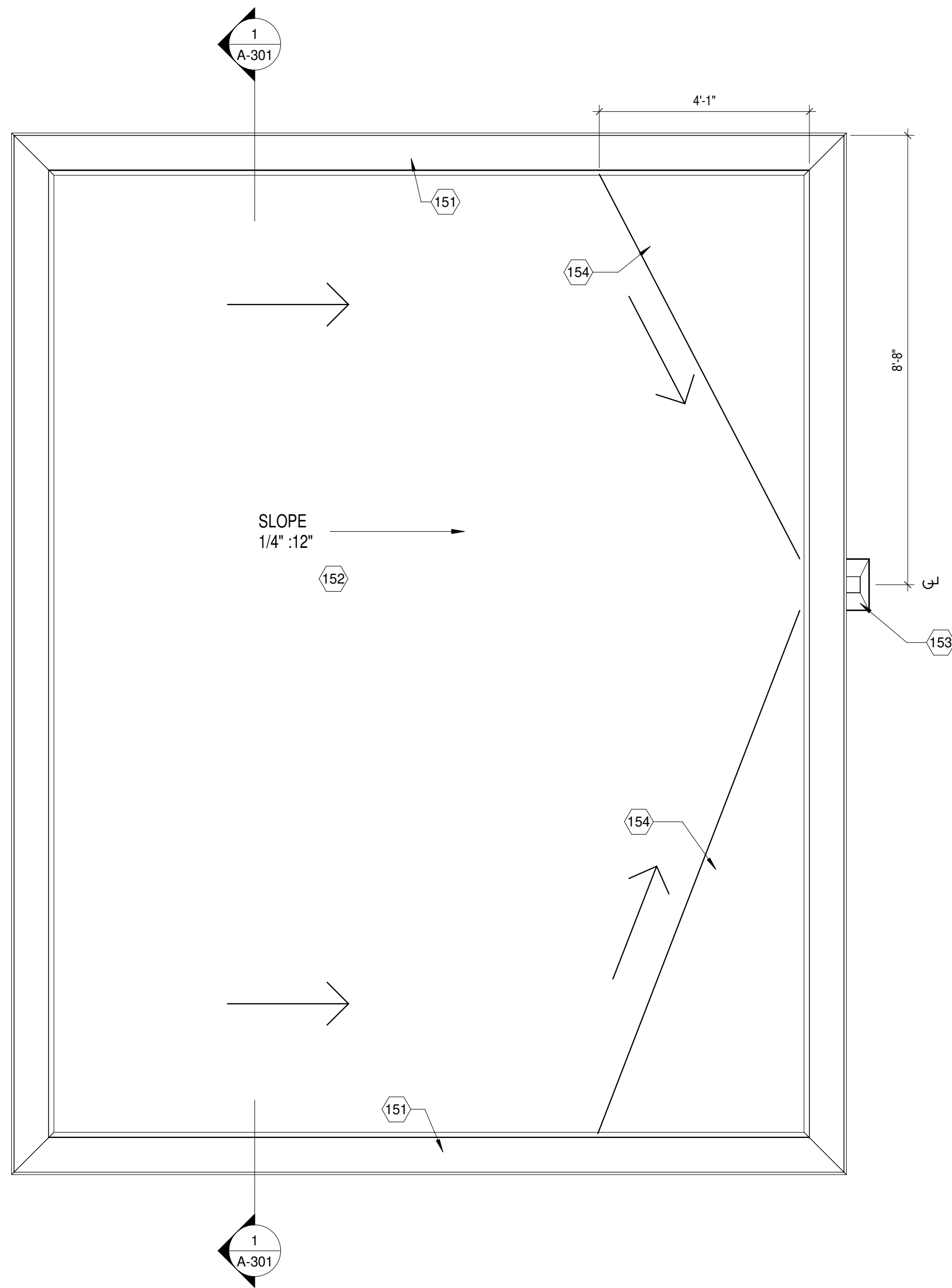
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SHEET NO.

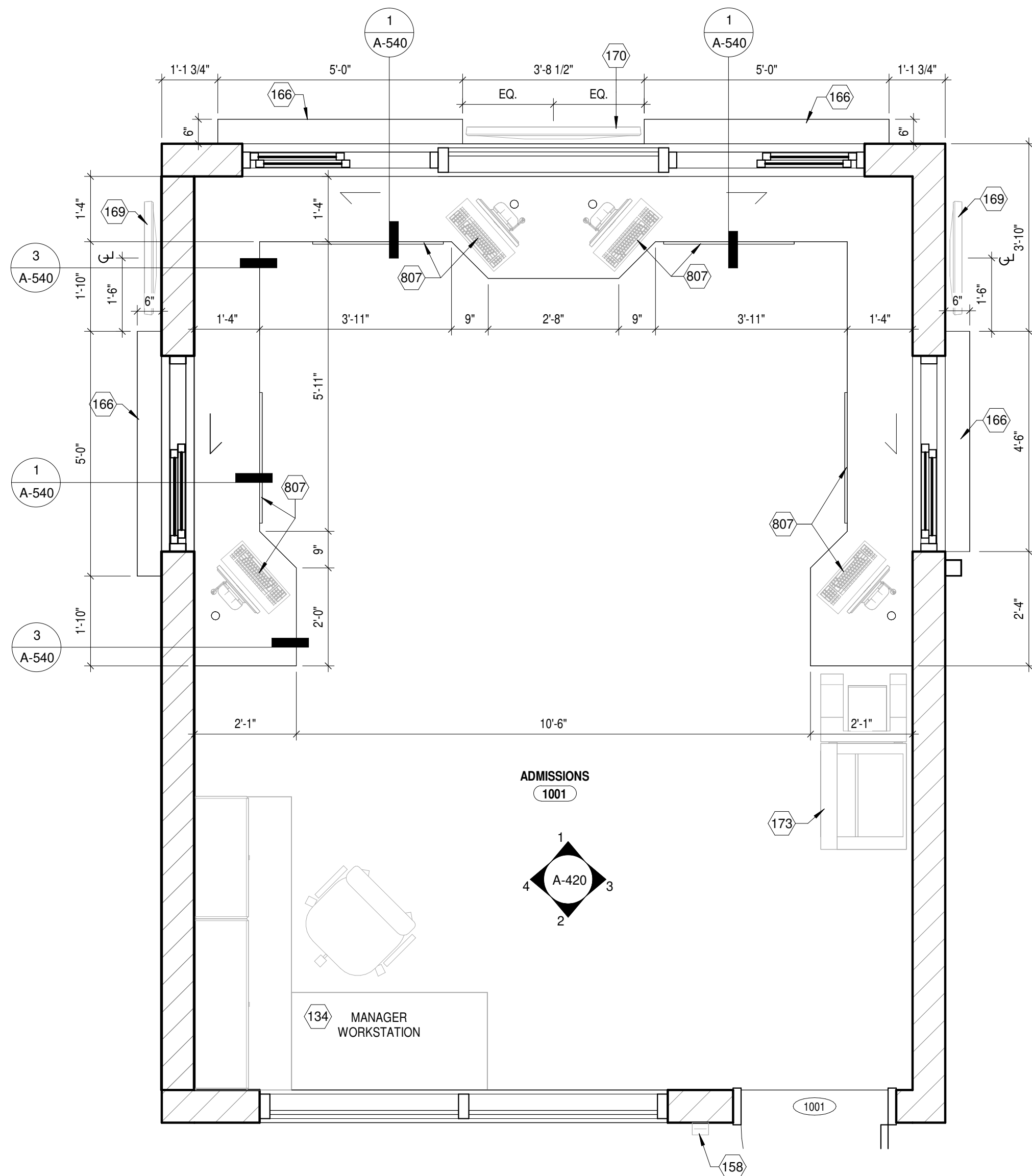
A-403

ISSUED FOR CONSTRUCTION

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2 ADMISSIONS BUILDING ROOF - NEW WORK
A-404 1/2" = 1'-0"



1 ENLARGED ADMISSIONS PLAN
A-404 1/2" = 1'-0"

FLOOR PLAN GENERAL NOTES

- A. REFER TO SHEET A-002 FOR PROJECT GENERAL NOTES, SYMBOLS, ABBREVIATIONS, AND RECOMMENDED MOUNTING HEIGHTS FOR FIXTURES AND ACCESSORIES.
- B. REFER TO DISCIPLINE-SPECIFIC DRAWINGS (STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, TECHNOLOGY, FIRE PROTECTION) FOR ADDITIONAL INFORMATION.
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- D. REFER TO INTERIOR ELEVATIONS FOR WALL-MOUNTED ITEMS.
- E. REFER TO ENLARGED PLANS FOR WALL TYPES NOT SHOWN ON NEW WORK PLANS.
- F. SEE FINISH LEGEND, FINISH SCHEDULE, AND FINISH PLANS FOR FINISH MATERIAL INFORMATION.
- G. REFER TO PARTITION SCHEDULE FOR PARTITION ASSEMBLY DESIGNS.
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- I. WHERE PARTITIONS OF DIFFERENT THICKNESS MEET, MAINTAIN A FLUSH SURFACE ON THE FACES THAT ALIGN.
- J. INFILL ANY VOIDS IN PARTITIONS ARISING OUT OF DEMOLITION AND CONSTRUCTION ACTIVITY.
- K. SEAL ALL MECHANICAL, ELECTRICAL, AND PLUMBING PENETRATIONS THROUGH PARTITIONS.
- L. INSTALL NEW FLOORING AND BASE. REFER TO FINISH PLAN AND LEGEND FOR SPECIFICATIONS AND REGIONS.
- M. GC TO CONTACT "COMFORT SYSTEMS" FOR DOOR ACCESS CONTROL COORDINATION AND INSTALLATION. ACCESS CARD LOCATIONS ARE SHOWN ON DRAWINGS TO PROVIDE PATHWAYS ONLY. CONTACT INFORMATION IS TONY MARINO AT (330) 393-3700.
- N. PROVIDE WALL REINFORCEMENT AT ALL WALL-HUNG CASEWORK, FIXTURES, SPECIALTY EQUIPMENT, AND SHELVING.
- O. PROVIDE FIRE EXTINGUISHERS COMPLYING WITH NFPA 10 AS INDICATED ON THE LIFE SAFETY DRAWINGS. WHERE CABINET TYPE IS INDICATED (FEC), PROVIDE SURFACE WALL MOUNTED TYPE.

DRAWING KEYNOTES

- 134 MODULAR OFFICE FURNITURE, REFER TO FFE DRAWINGS.
- 151 PRE-FINISHED CONTINUOUS "HICKMAN" STYLE COPING CAP, COLOR TO MATCH ROOF PANELS.
- 152 SINGLE-PLY ROOFING MEMBRANE - WHITE IN COLOR, SLOPE TO THRU-WALL PARAPET SCUPPERS.
- 153 PRE-FINISHED THRU-WALL METAL SCUPPER TO PRE-FINISHED METAL OVERFLOW COLLECTOR BOX AND 6"x6" PRE-FINISHED METAL DOWNSPOUT, CONNECT TO UNDERGROUND STORM SYSTEM, COLOR TO MATCH ROOF PANELS.
- 154 ROOF CRICKET - BUILD UP WITH TAPERED INSULATION.
- 158 INSTALL WALL MOUNTED SECURITY ACCESS CARD LOCATION FOR DOOR ACCESS, BOTTOM @ 46"A.F.F. REFER TO ELECTRICAL DRAWINGS.
- 166 SURFACE MOUNTED, PRE-FINISHED ALUMINUM COUNTER, COLOR TO BE SELECTED BY ARCHITECT.
- 169 WALL MOUNTED TV VERTICAL PLACEMENT, BOTTOM OF UNIT AT 60" A.F.F., REFER TO ELECTRICAL DRAWINGS FOR POWER/DATA REQUIREMENTS.
- 170 WALL MOUNTED TV HORIZONTAL PLACEMENT, BOTTOM OF UNIT AT 90" A.F.F., REFER TO ELECTRICAL DRAWINGS FOR POWER/DATA REQUIREMENTS.
- 173 LOCATION OF MULTI-FUNCTION (COPY, PRINT, SCAN) DEVICE.
- 807 POINT OF SALE STATION WITH UNDERCOUNTER CASE DRAWER (O.F.O.I.).



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Sycamore Trails Aquatic Center

400 S. Heincke Road
Miamisburg, 45342

ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

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DRAWING TITLE

ENLARGED PLANS

SHEET NO.

A-404

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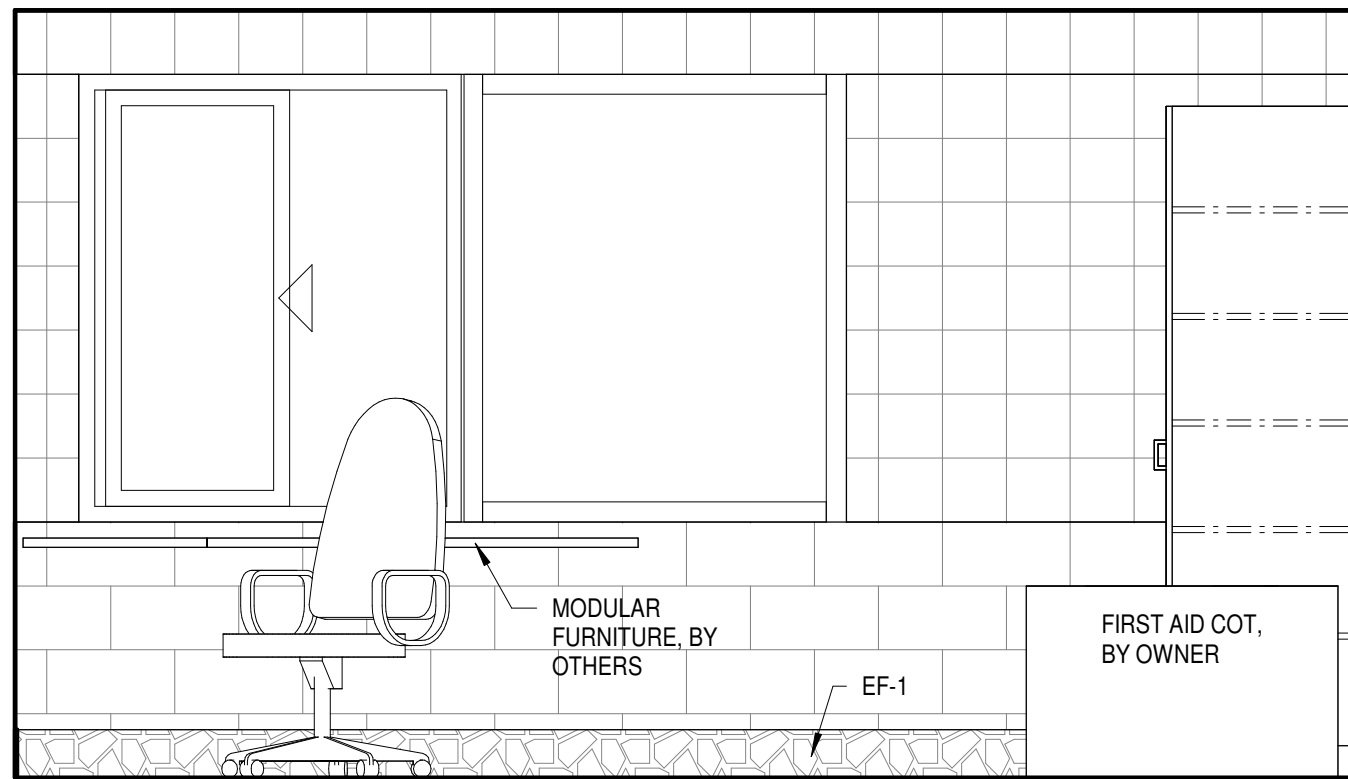
DRAWING TITLE

INTERIOR
ELEVATIONS

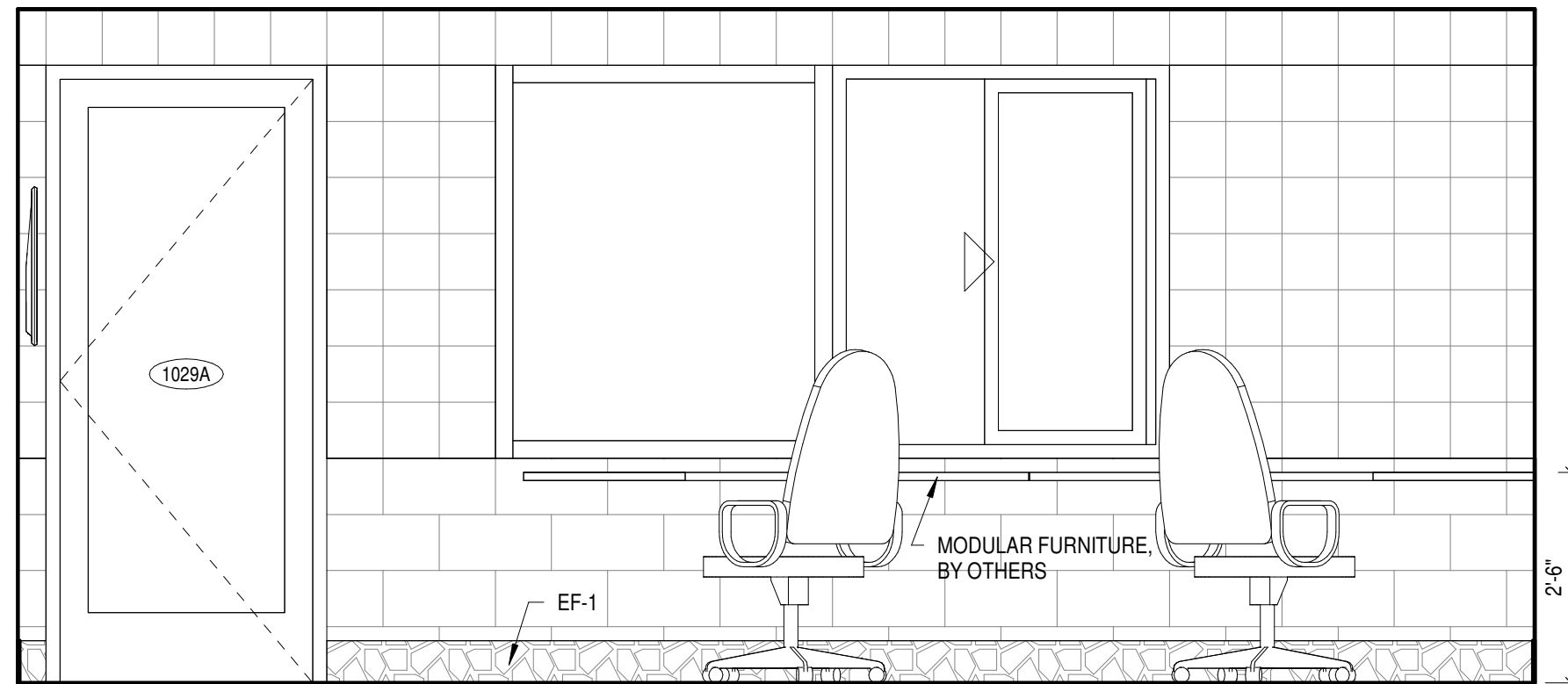
SHEET NO.

A-420

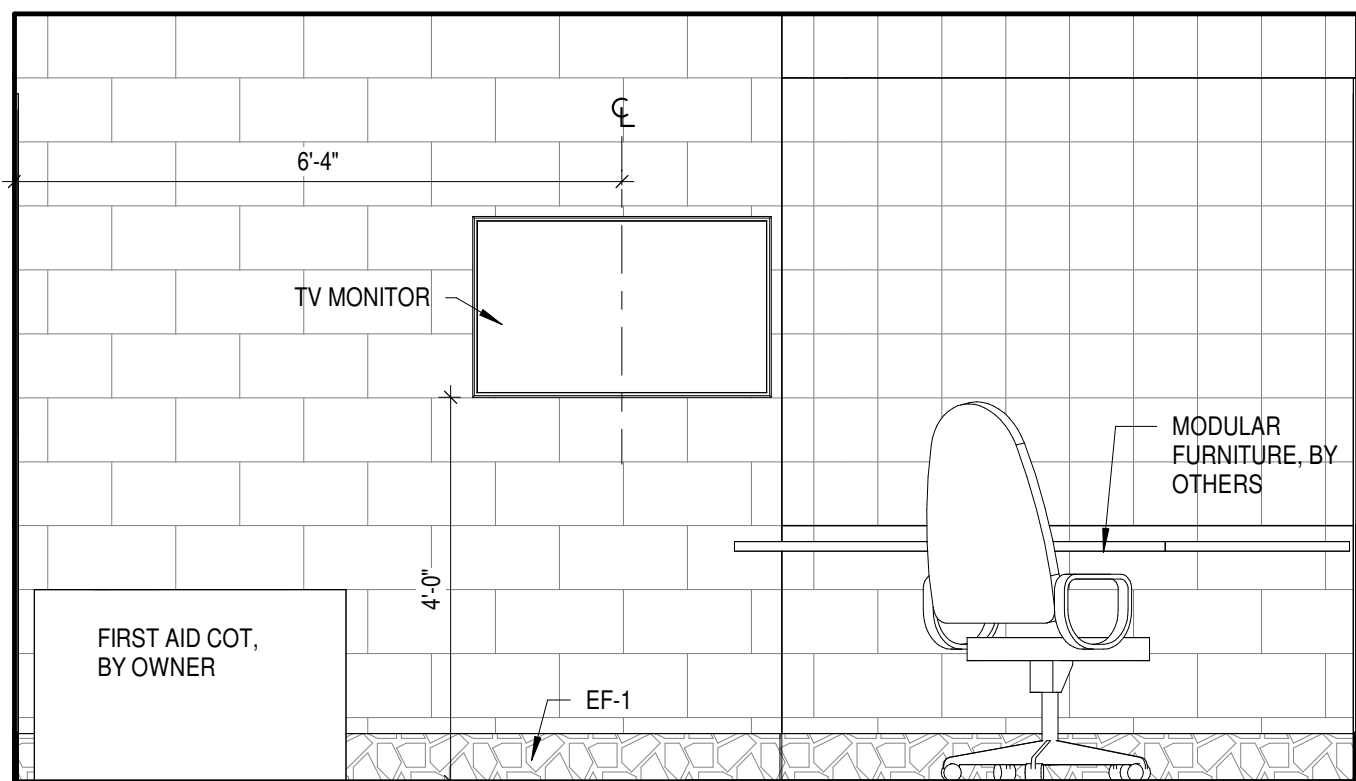
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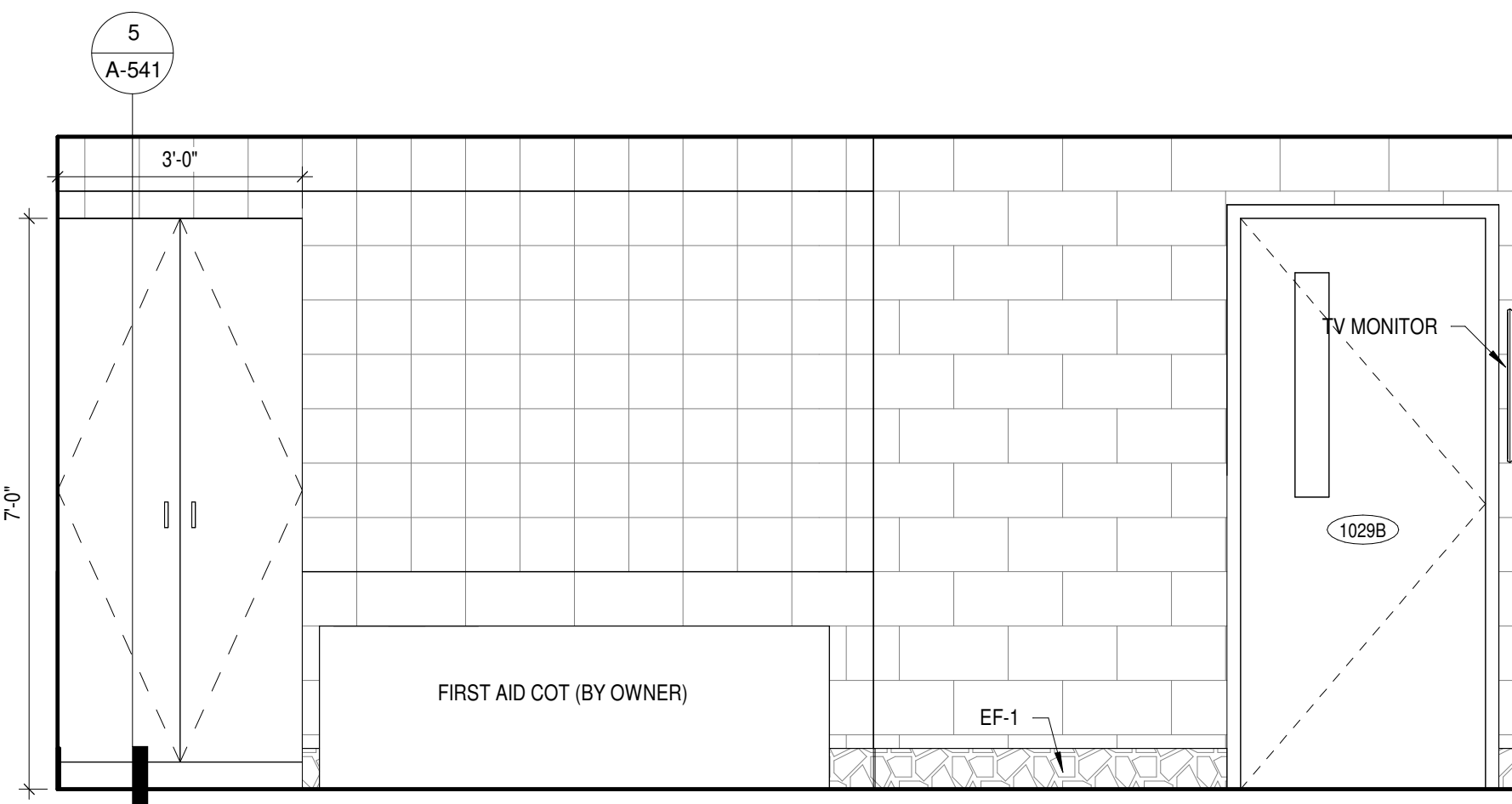
8 MEMBER SERVICES - WEST
A-420 1/2" = 1'-0"



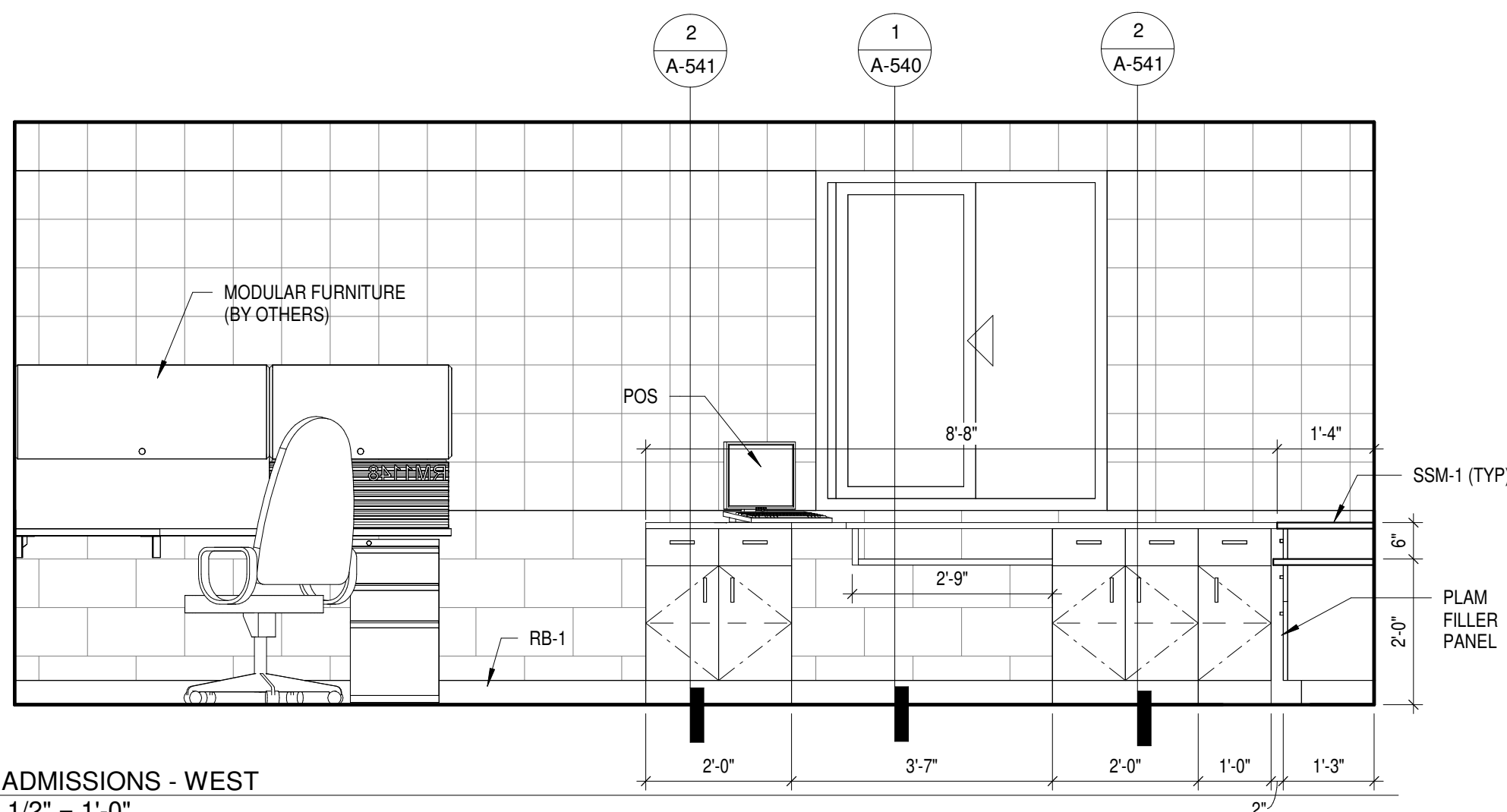
7 MEMBER SERVICES - SOUTH
A-420 1/2" = 1'-0"



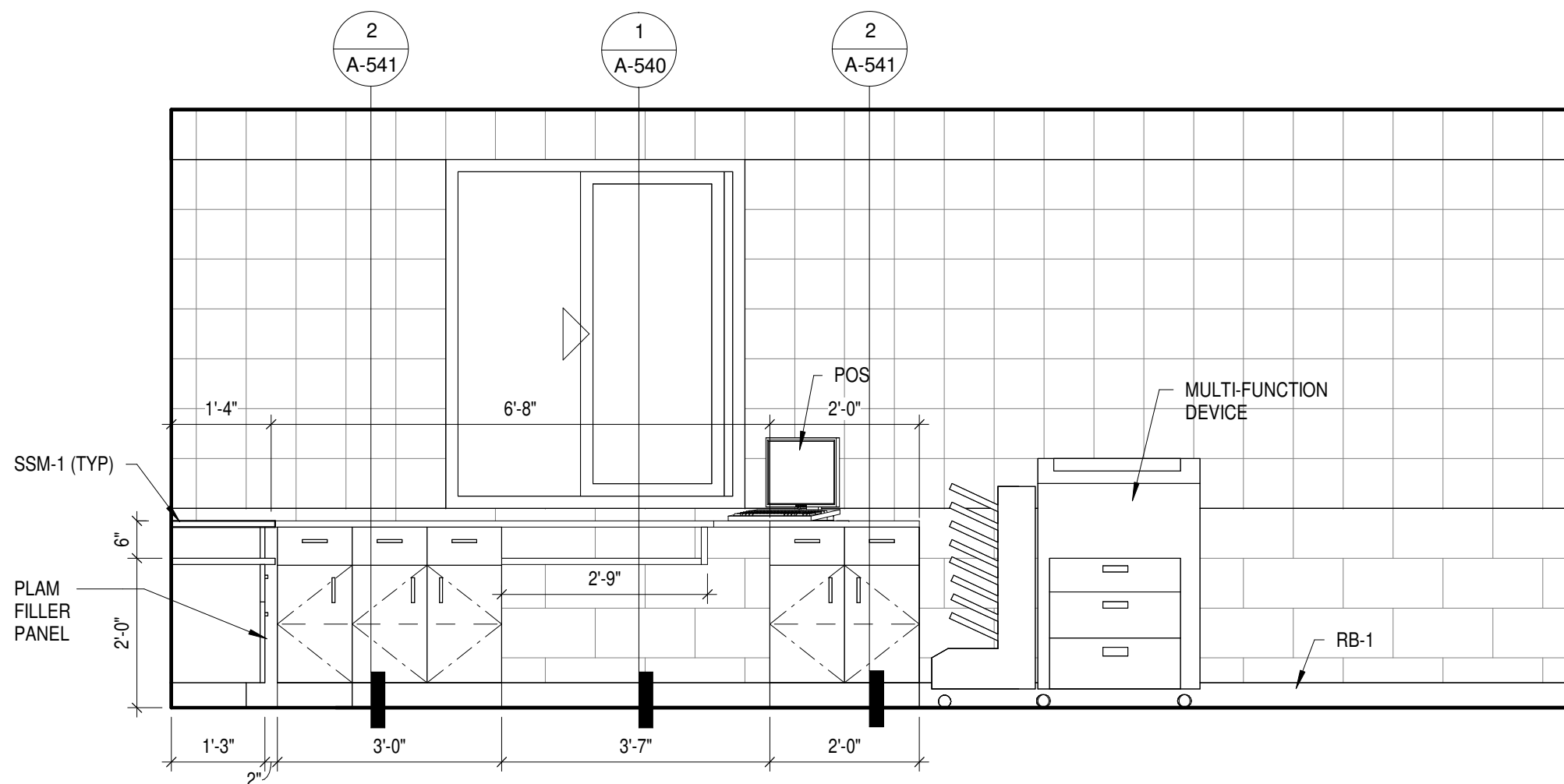
6 MEMBER SERVICES - EAST
A-420 1/2" = 1'-0"



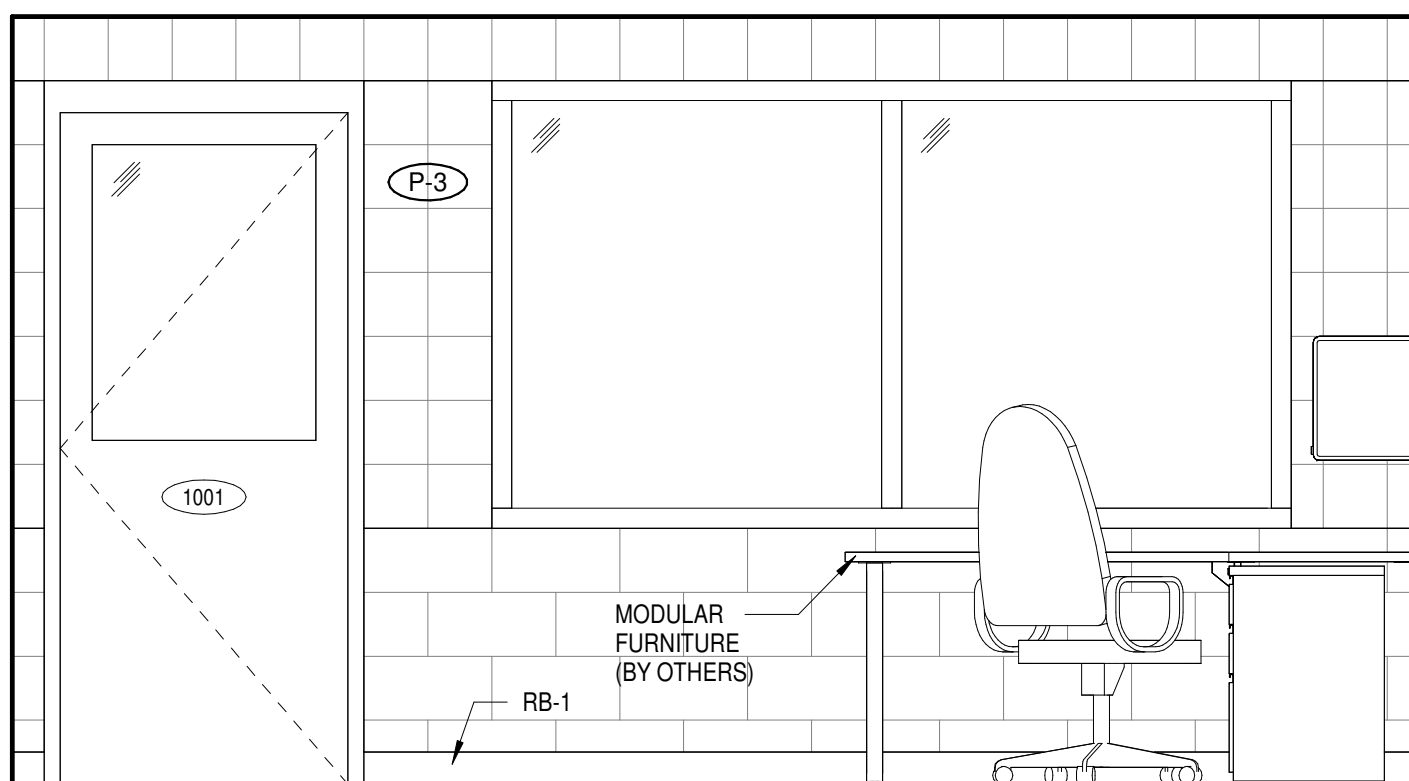
5 MEMBER SERVICES - NORTH
A-420 1/2" = 1'-0"



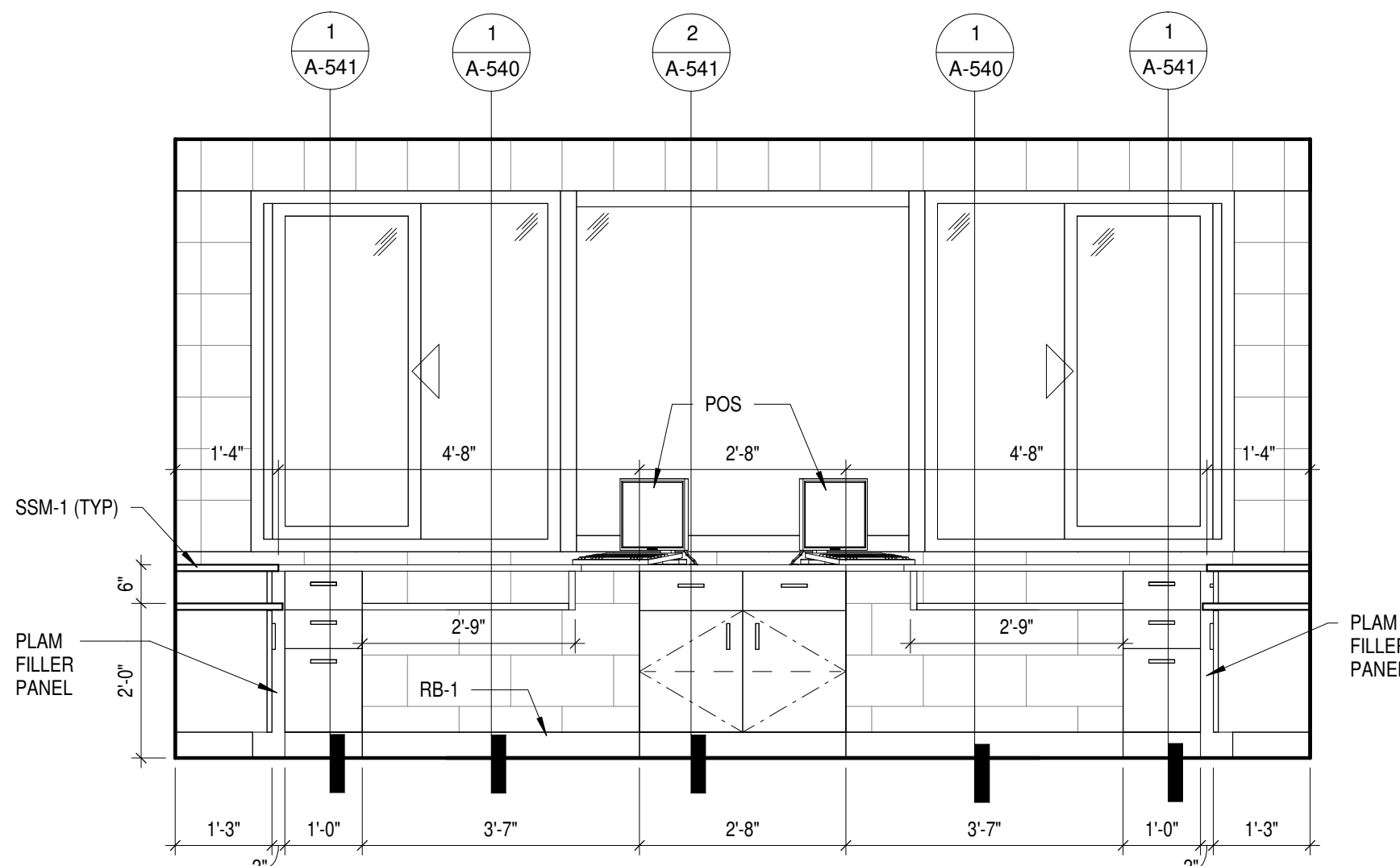
4 ADMISSIONS - WEST
A-420 1/2" = 1'-0"



3 ADMISSIONS - EAST
A-420 1/2" = 1'-0"

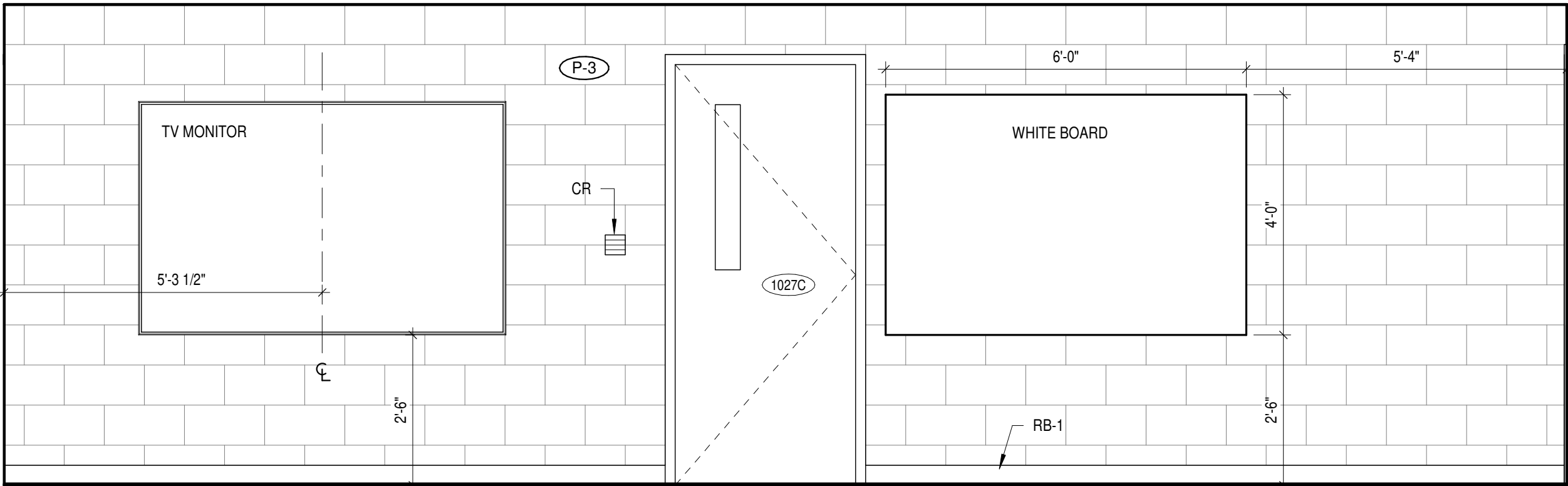
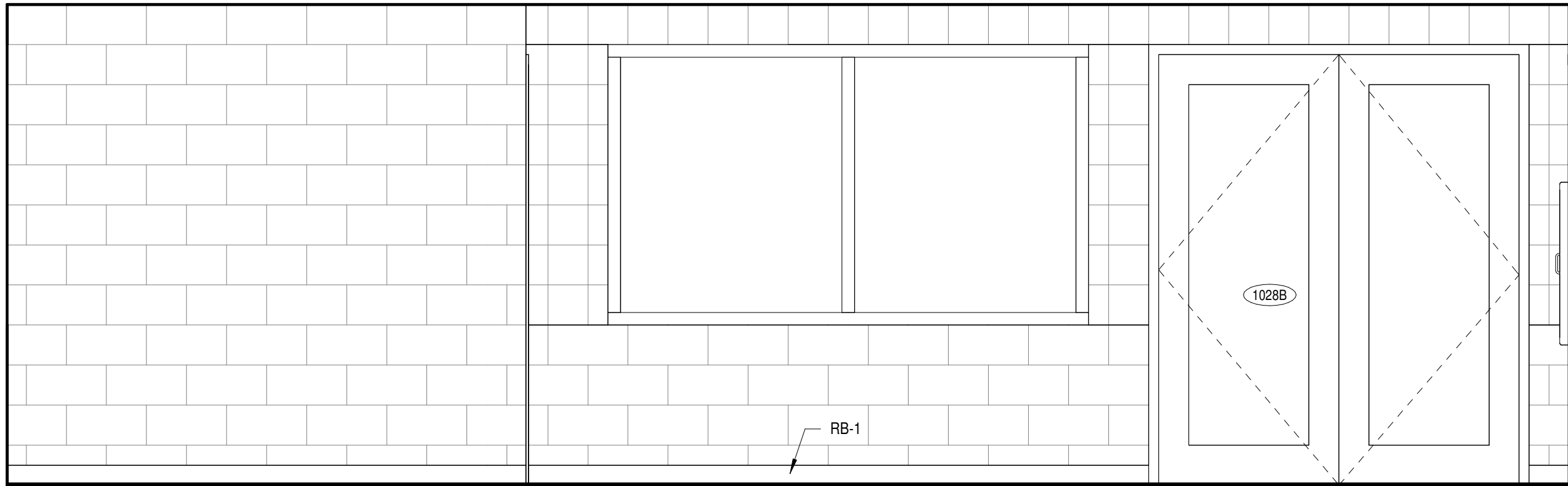


2 ADMISSIONS - SOUTH
A-420 1/2" = 1'-0"



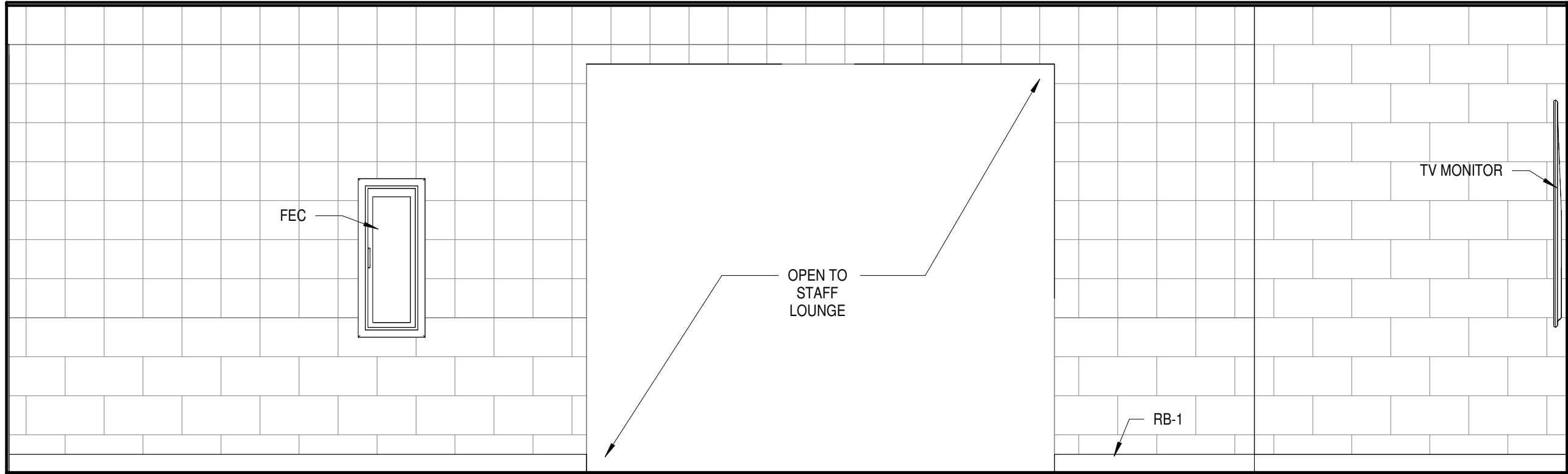
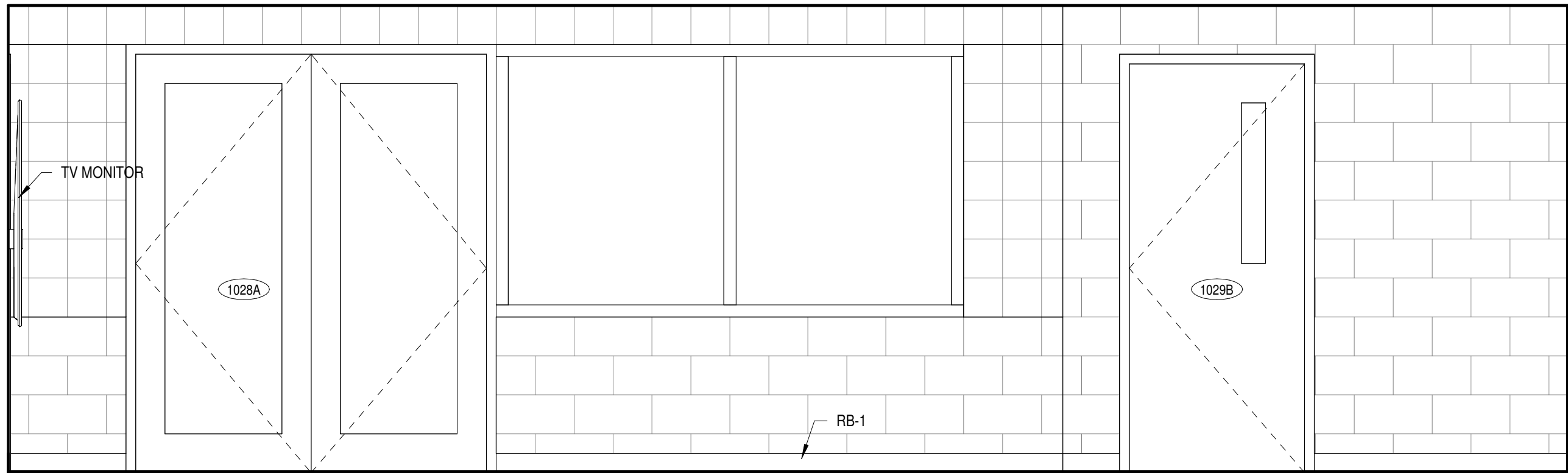
1 ADMISSIONS - NORTH
A-420 1/2" = 1'-0"

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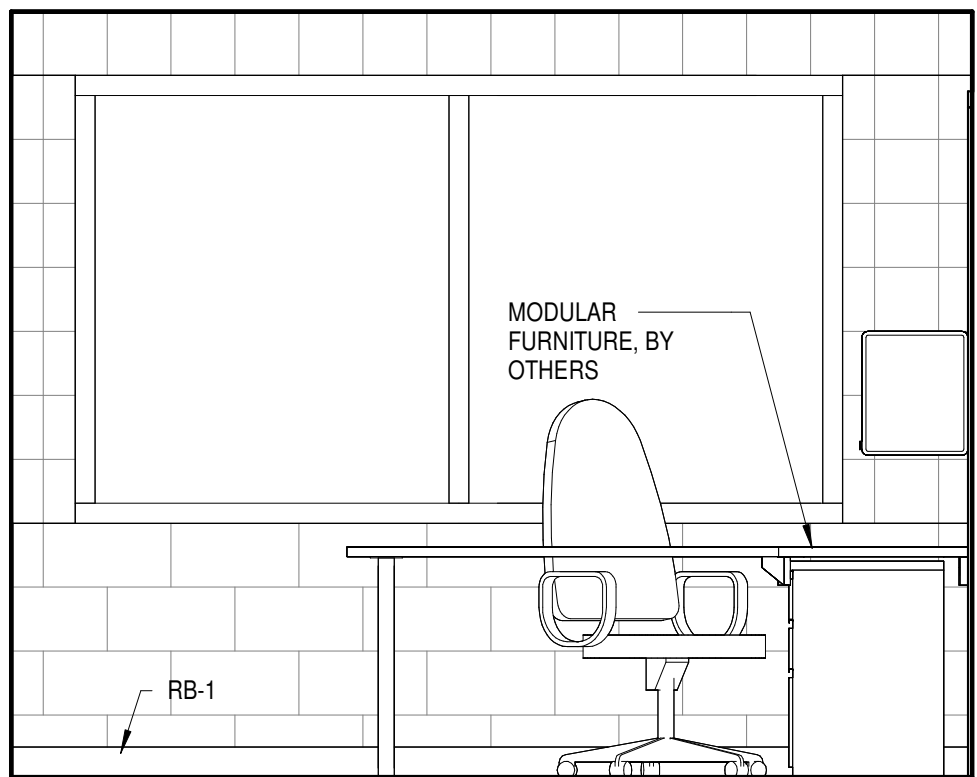
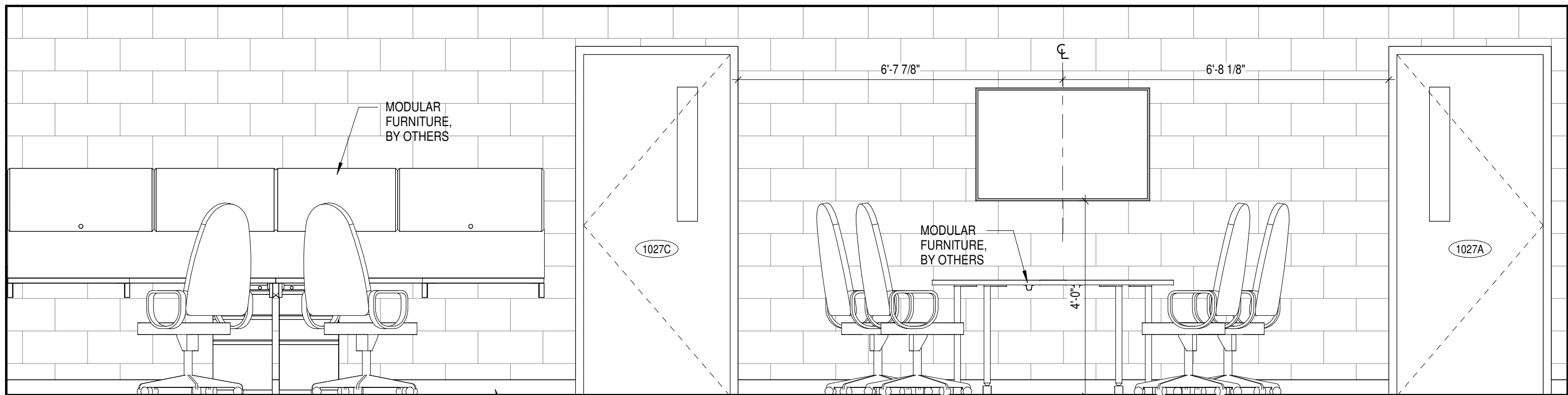
8 STAFF - WEST
A-421 1/2" = 1'-0"

7 STAFF - EAST
A-421 1/2" = 1'-0"



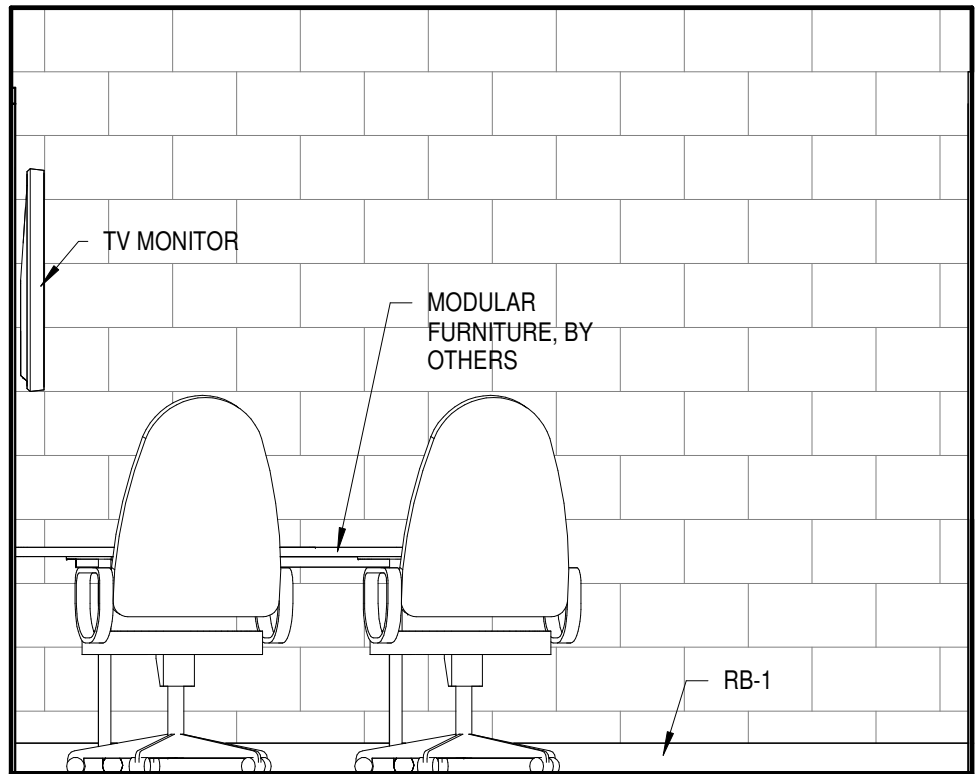
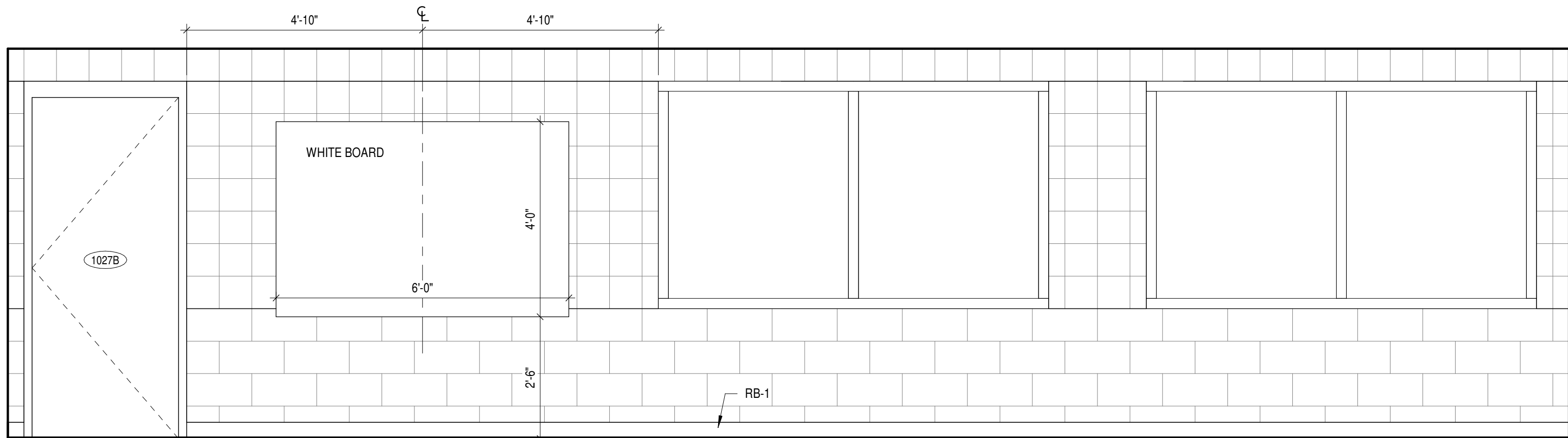
6 STAFF - SOUTH
A-421 1/2" = 1'-0"

5 STAFF - NORTH
A-421 1/2" = 1'-0"



4 OFFICE - WEST
A-421 1/2" = 1'-0"

3 OFFICE - SOUTH
A-421 1/2" = 1'-0"



2 OFFICE - EAST
A-421 1/2" = 1'-0"

1 OFFICE - NORTH
A-421 1/2" = 1'-0"

ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

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DRAWING TITLE

INTERIOR
ELEVATIONS

SHEET NO.

A-421

ISSUANCES

No.	Description	Date
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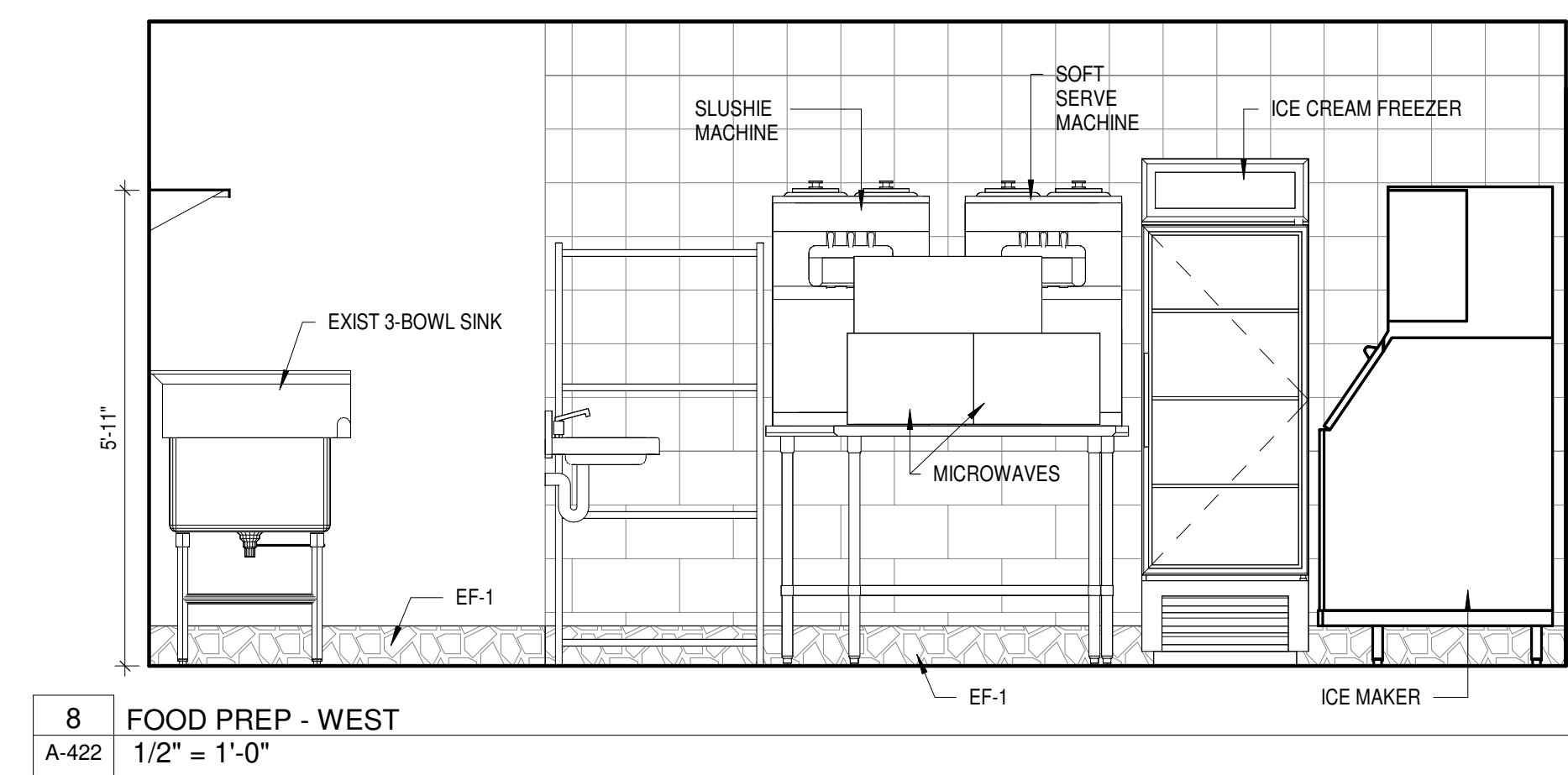
DRAWING TITLE

INTERIOR
ELEVATIONS

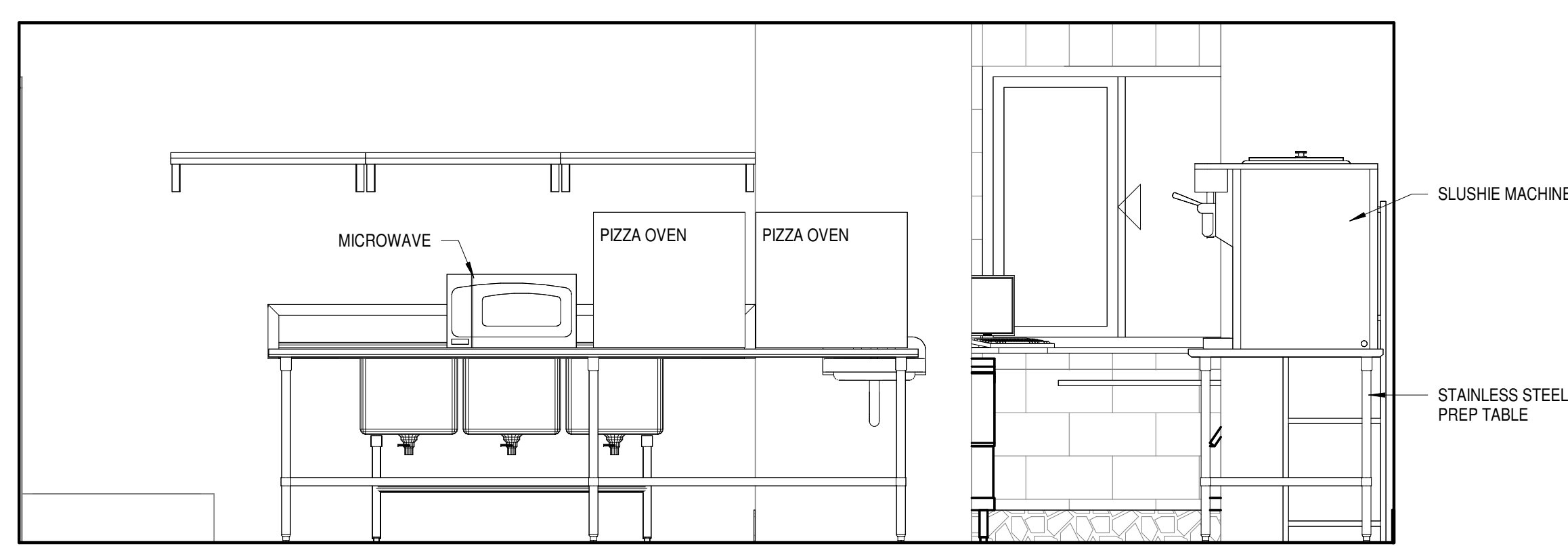
SHEET NO.

A-422

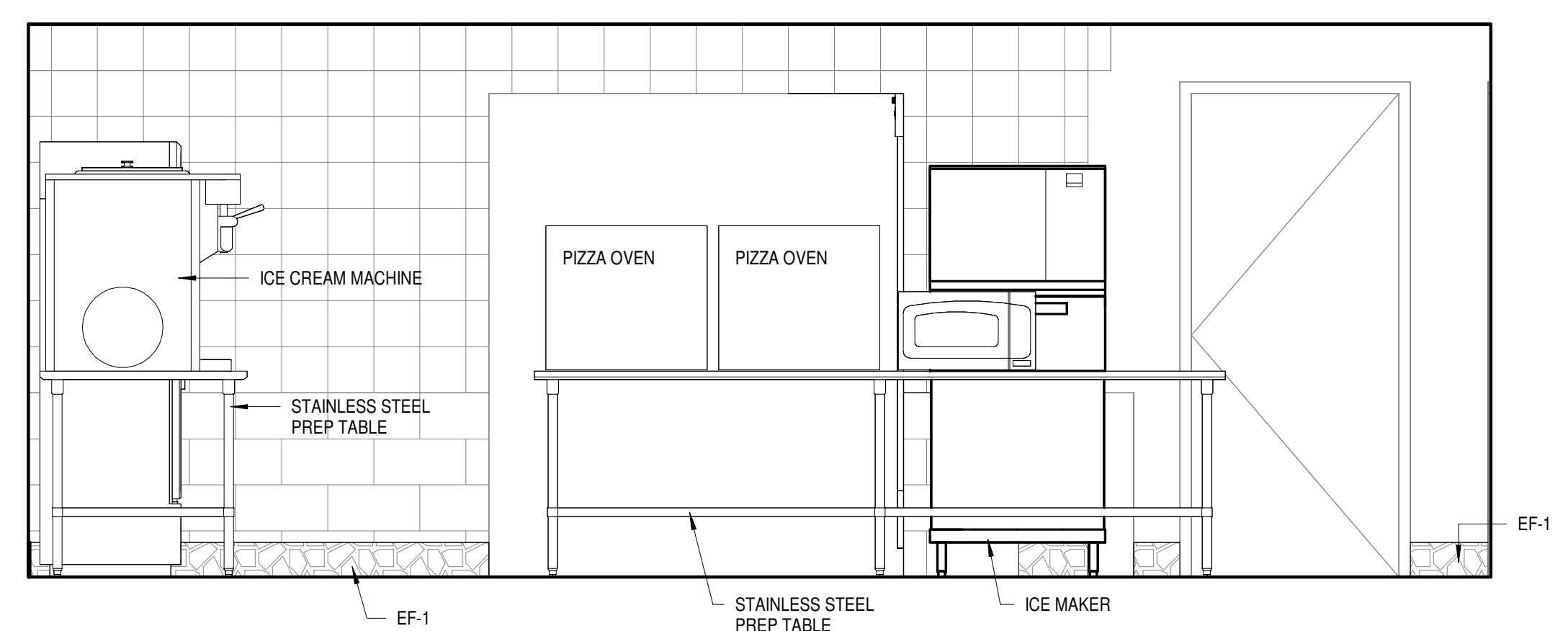
3/12/2025 1:58:54 PM



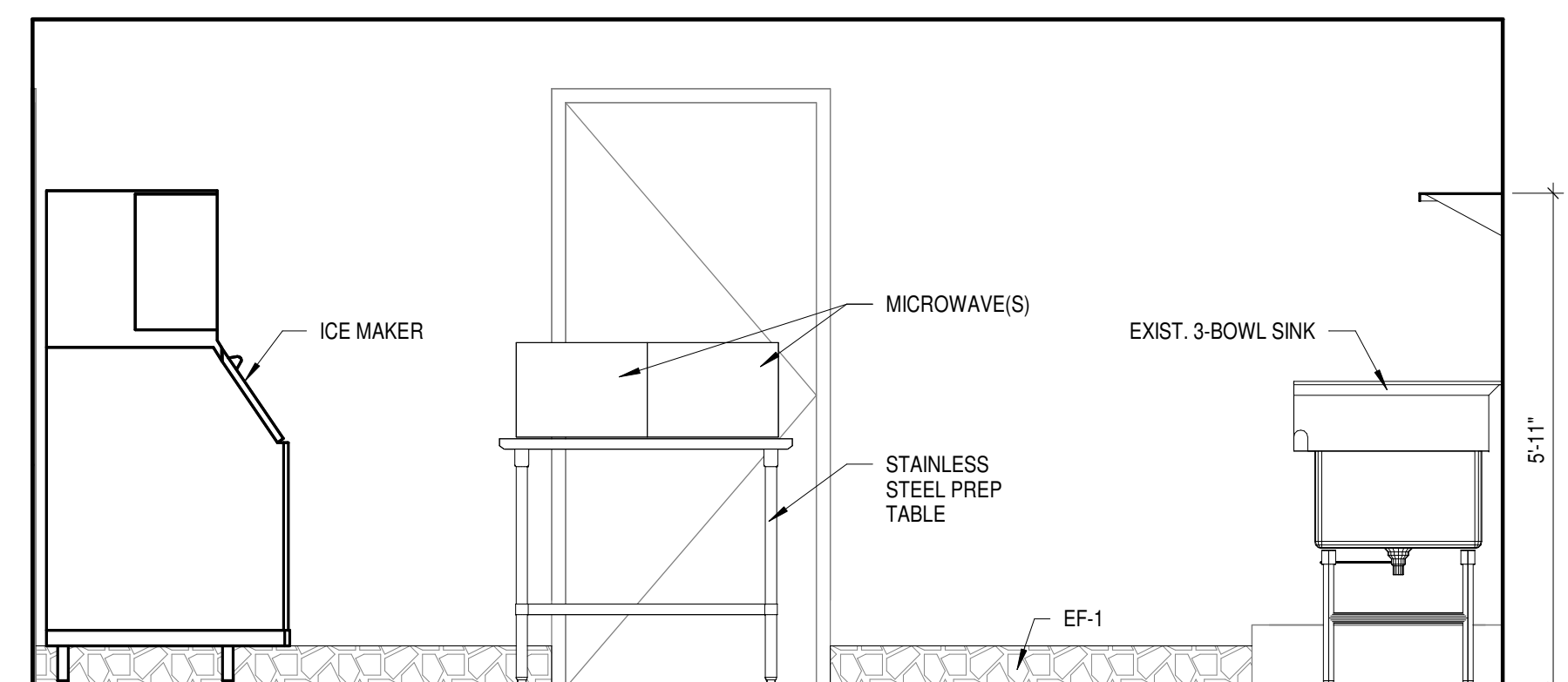
8 FOOD PREP - WEST
A-422 1/2" = 1'-0"



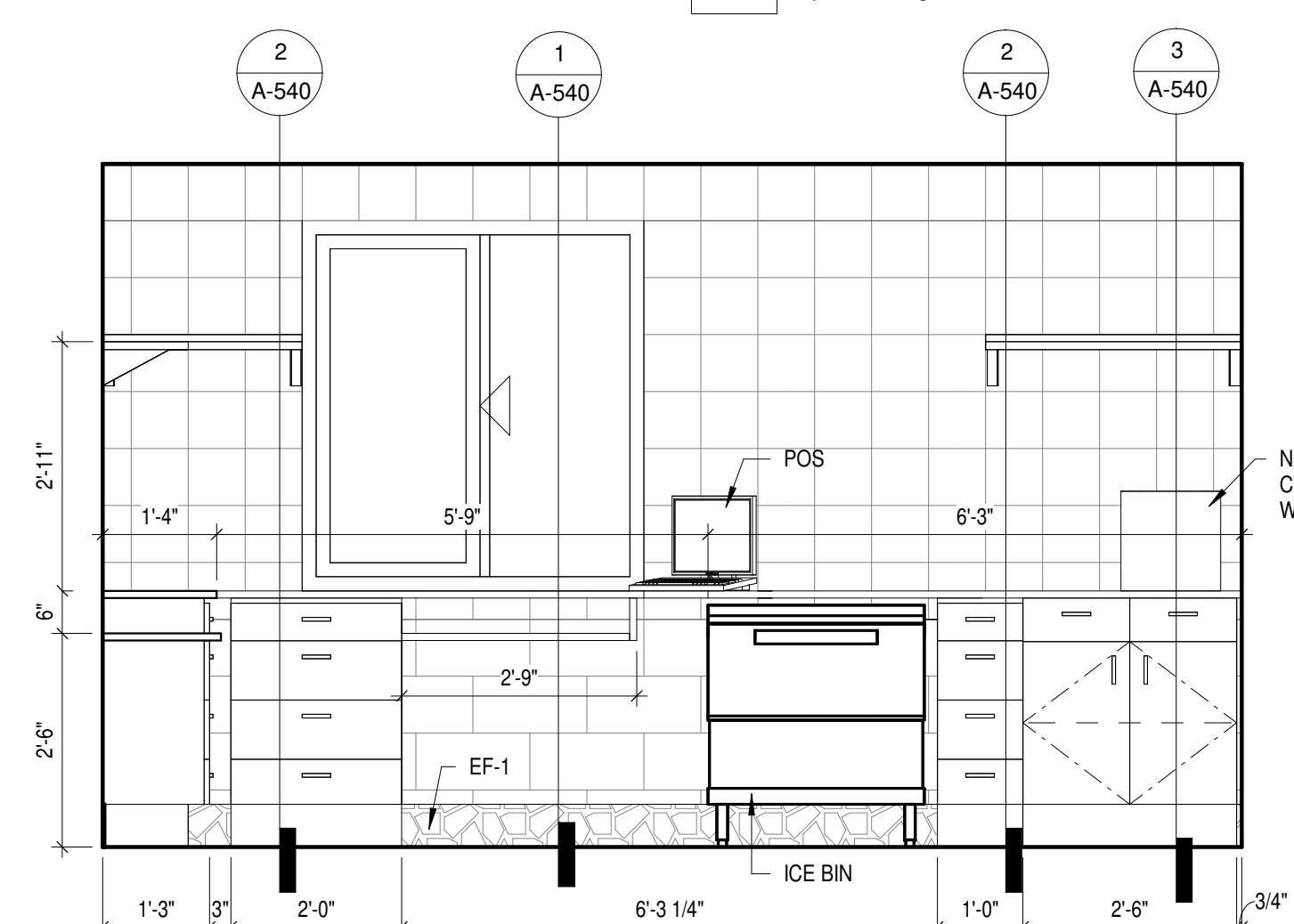
7 FOOD PREP - SOUTH
A-422 1/2" = 1'-0"



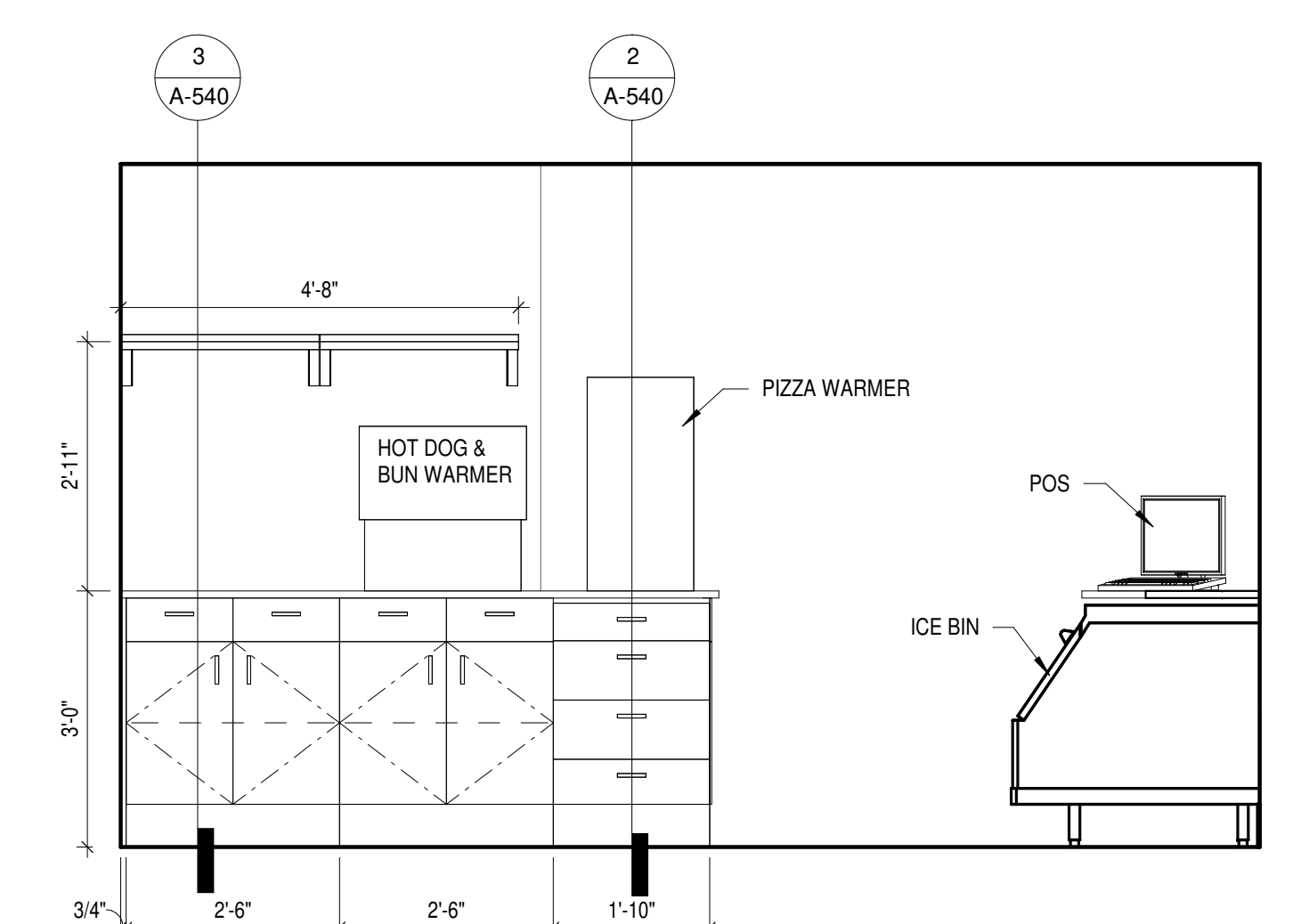
6 FOOD PREP - NORTH
A-422 1/2" = 1'-0"



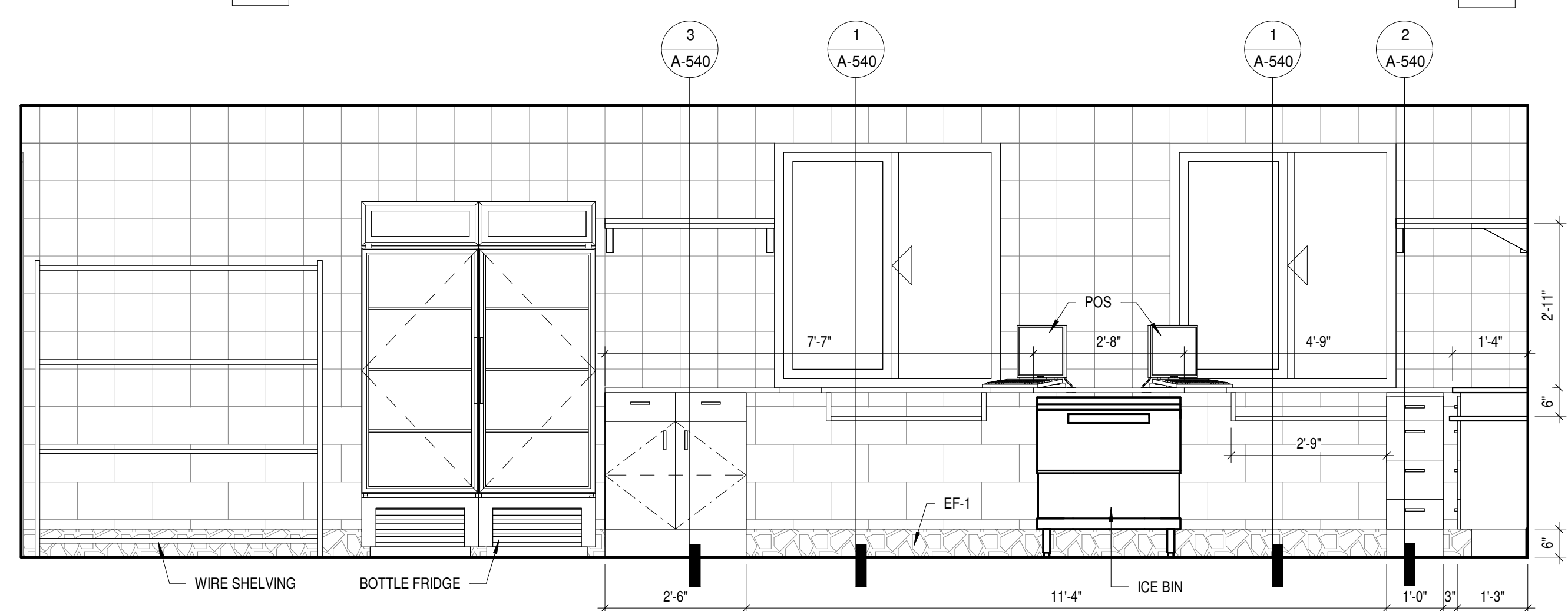
5 FOOD PREP - EAST
A-422 1/2" = 1'-0"



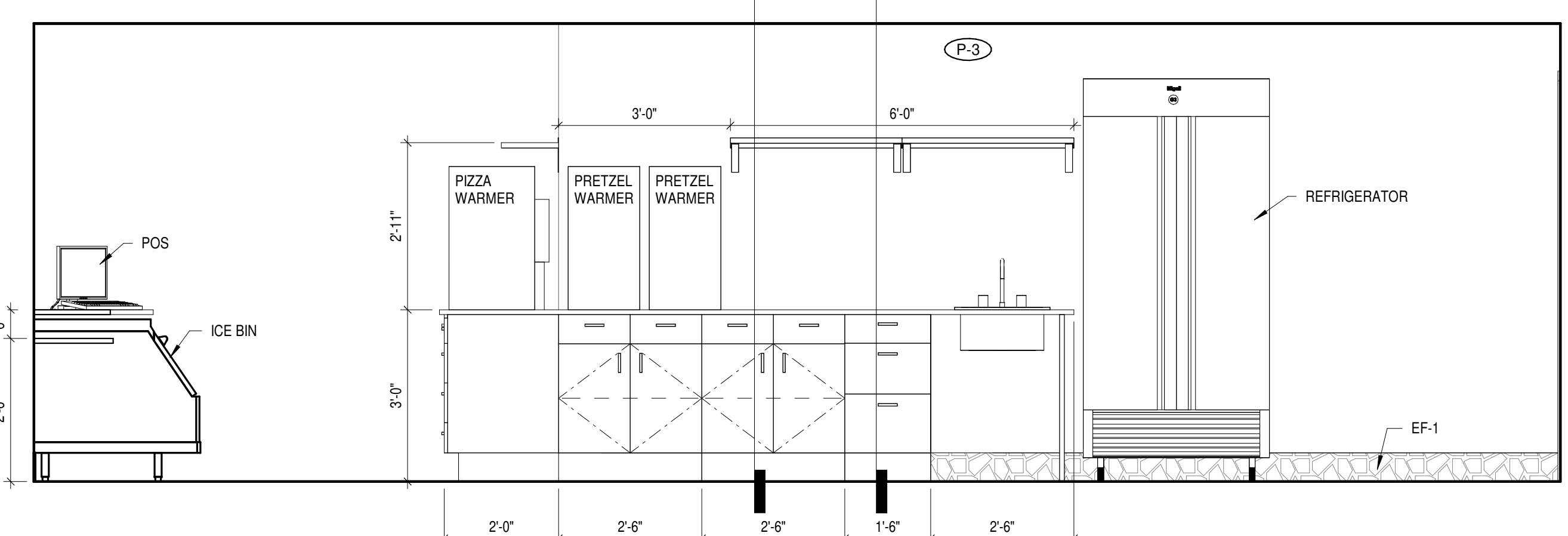
4 CONCESSIONS - WEST
A-422 1/2" = 1'-0"



3 CONCESSIONS - EAST
A-422 1/2" = 1'-0"



2 CONCESSIONS - SOUTH
A-422 1/2" = 1'-0"



1 CONCESSIONS - NORTH
A-422 1/2" = 1'-0"

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ISSUANCES

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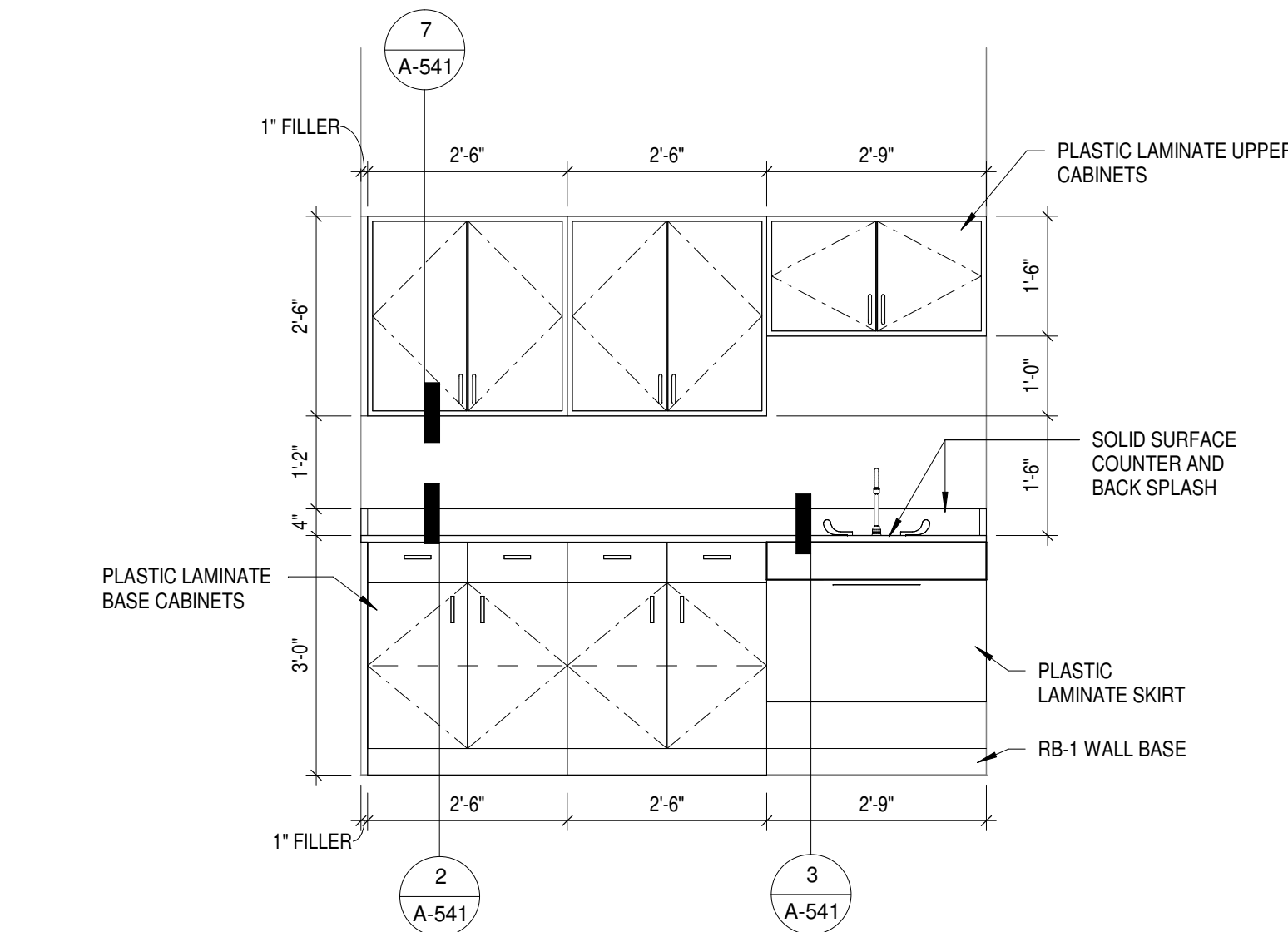
DRAWING TITLE

INTERIOR
ELEVATIONS

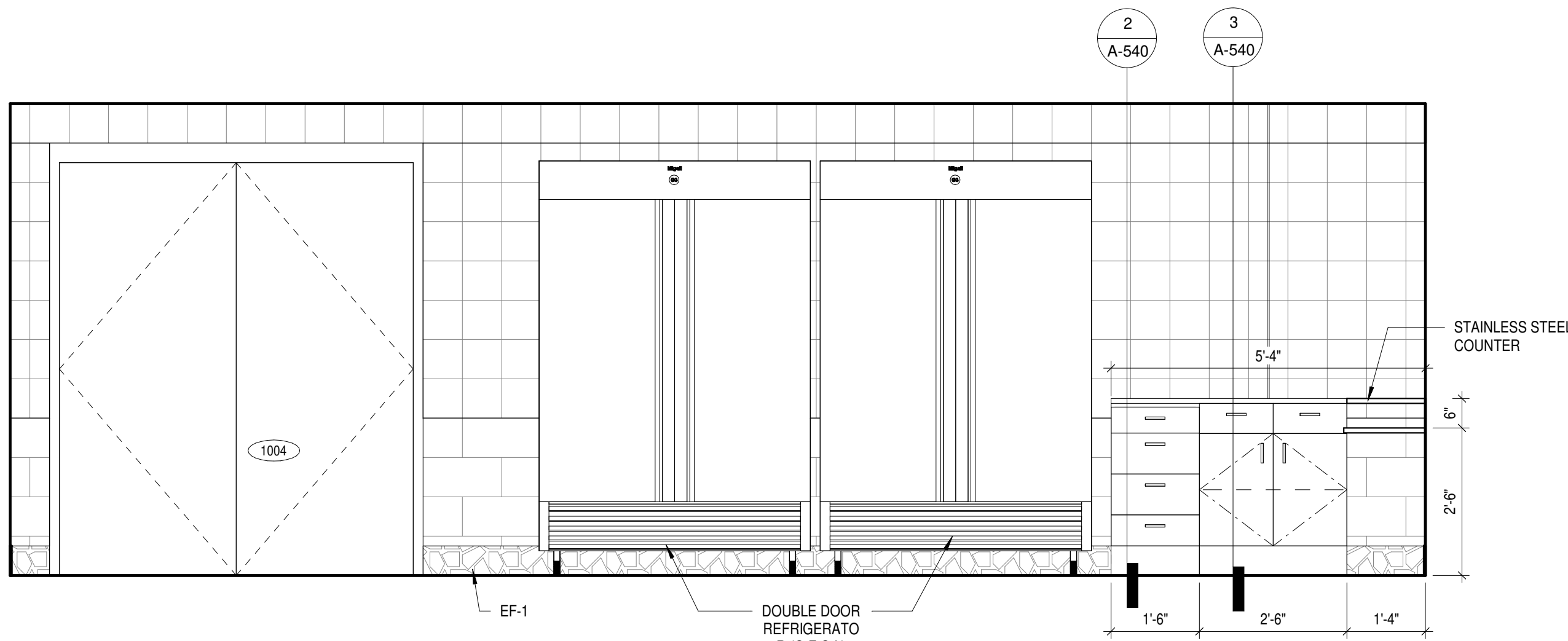
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A-423

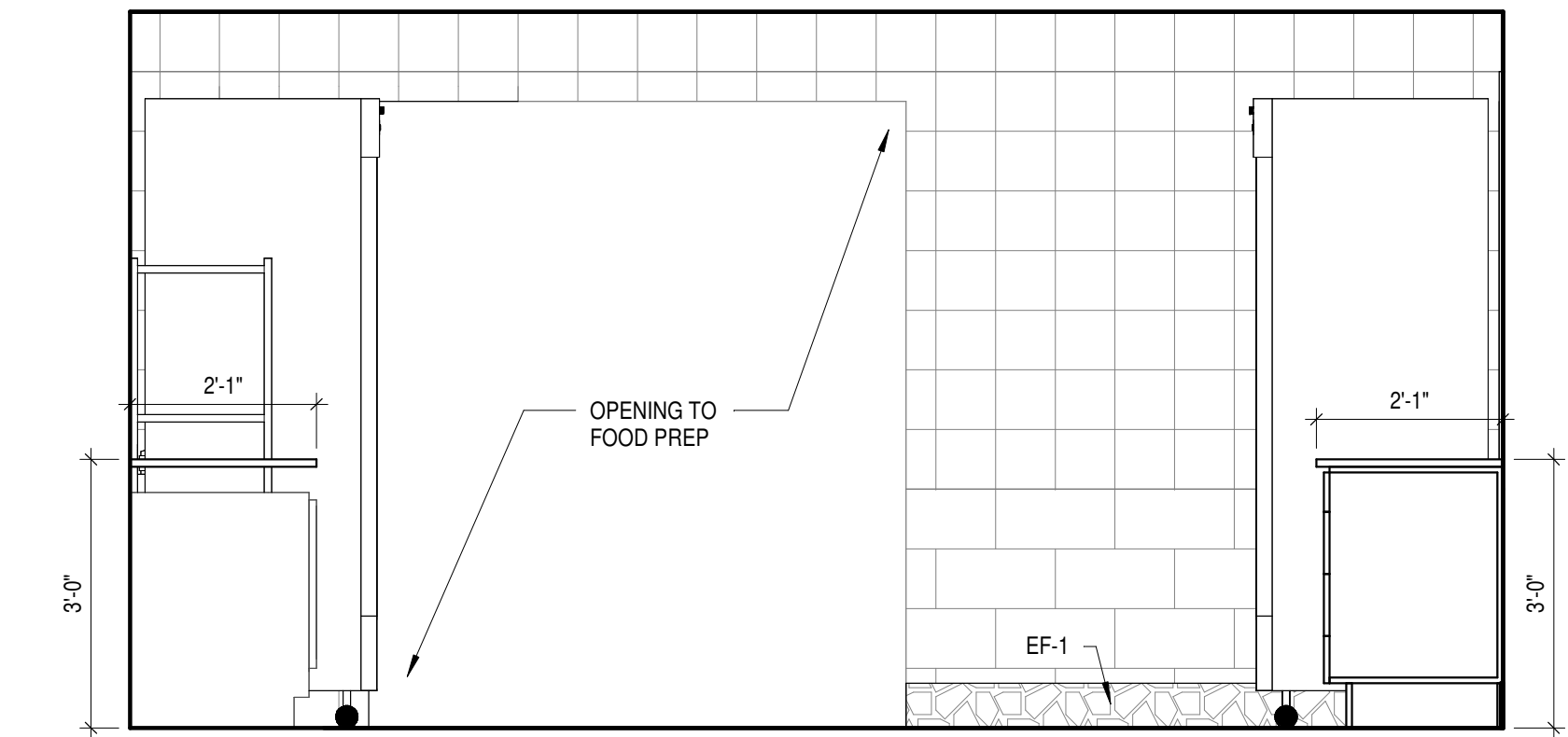
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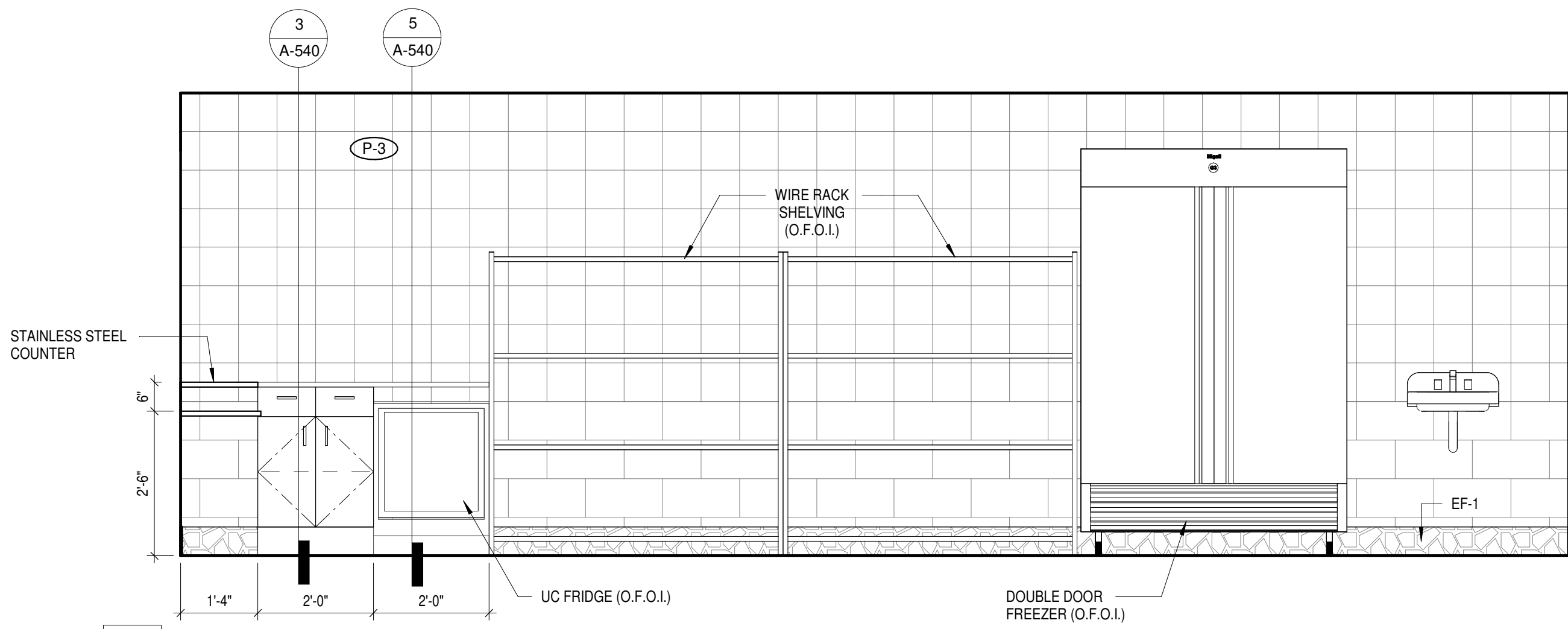
5 STAFF LOUNGE CASEWORK
1/2" = 1'-0"



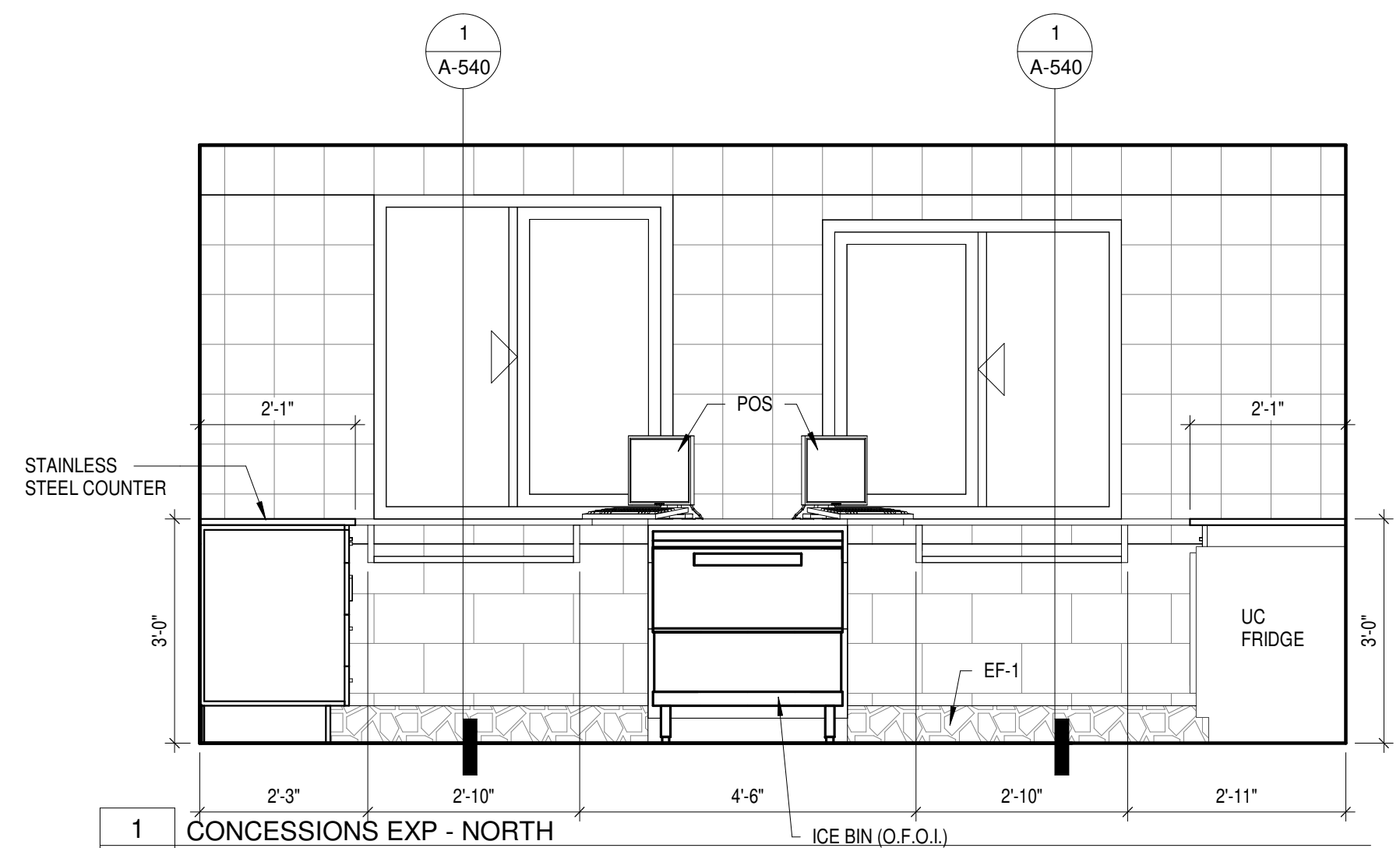
4 CONCESSIONS EXP - WEST
1/2" = 1'-0"



3 CONCESSIONS EXP - SOUTH
1/2" = 1'-0"



2 CONCESSIONS EXP - EAST
1/2" = 1'-0"



1 CONCESSIONS EXP - NORTH
1/2" = 1'-0"

ISSUANCES

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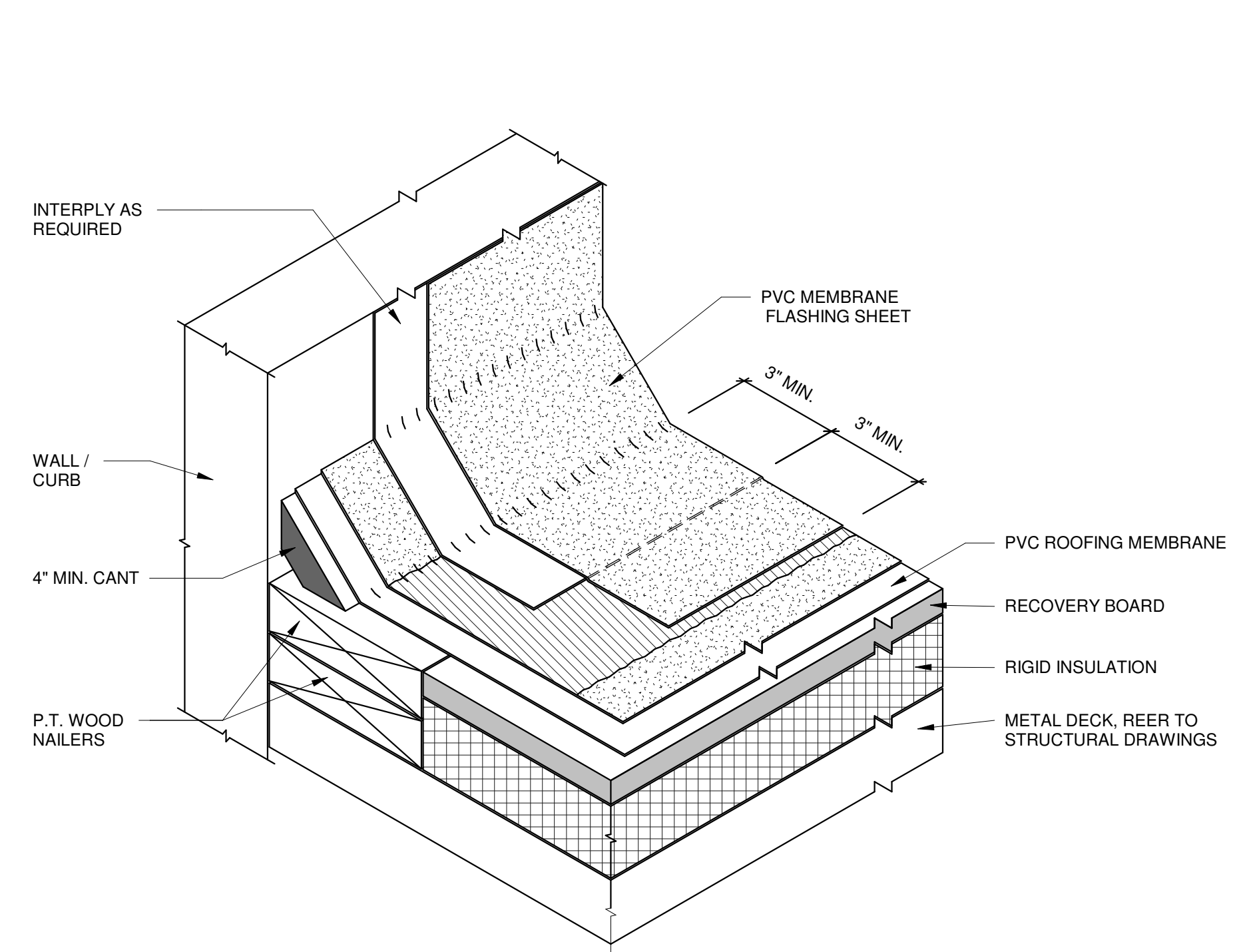
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ROOF DETAILS

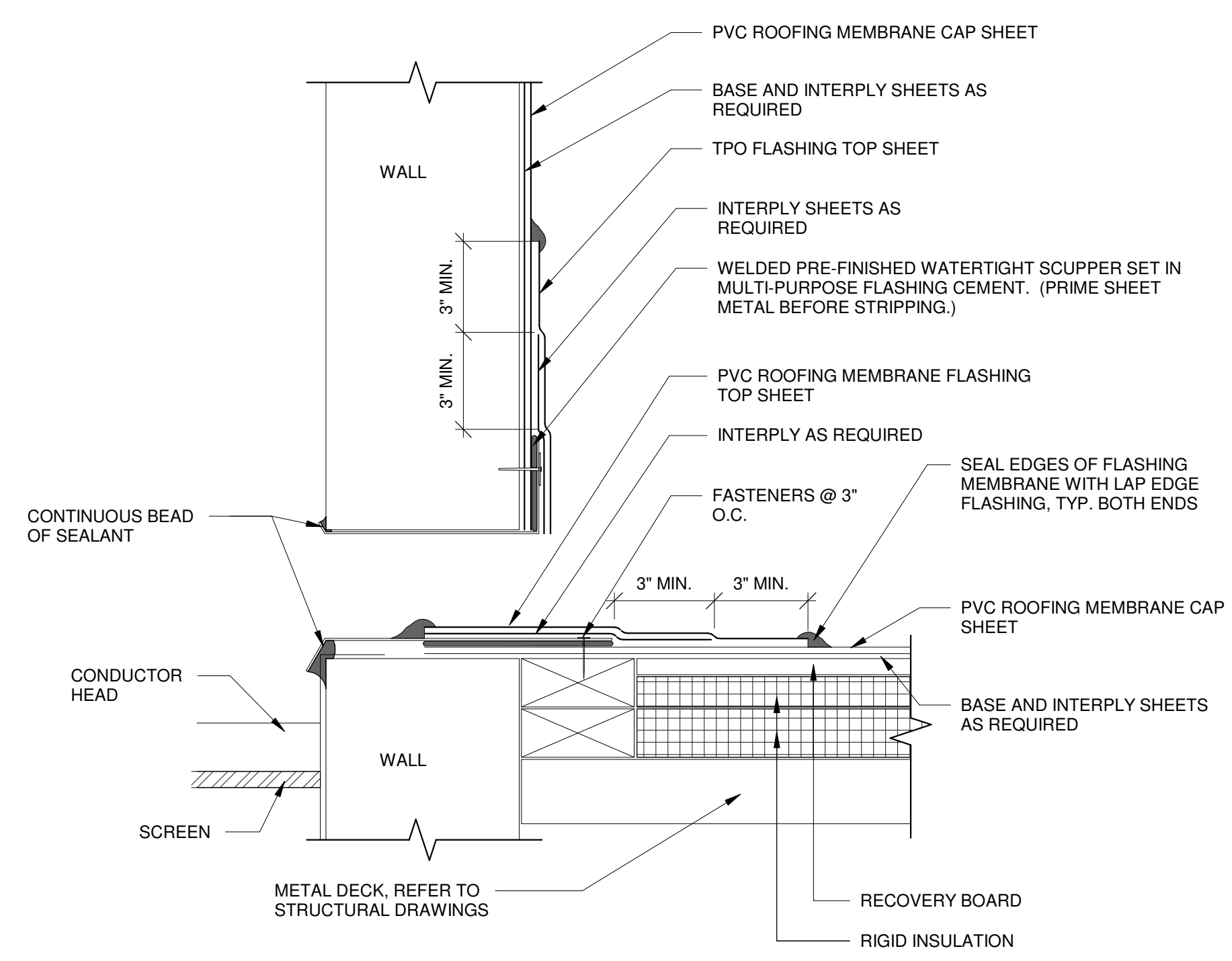
SHEET NO.

A-520

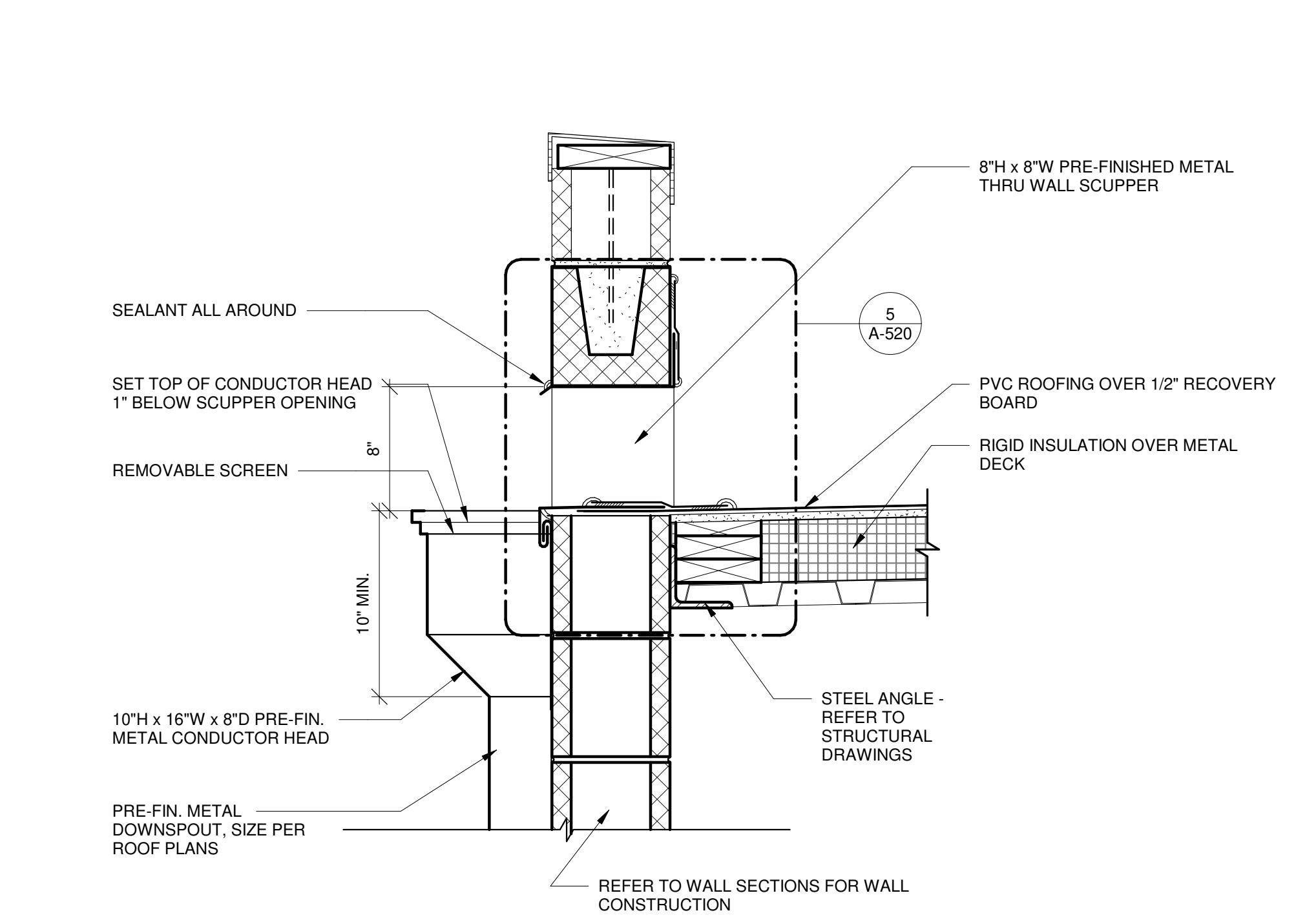
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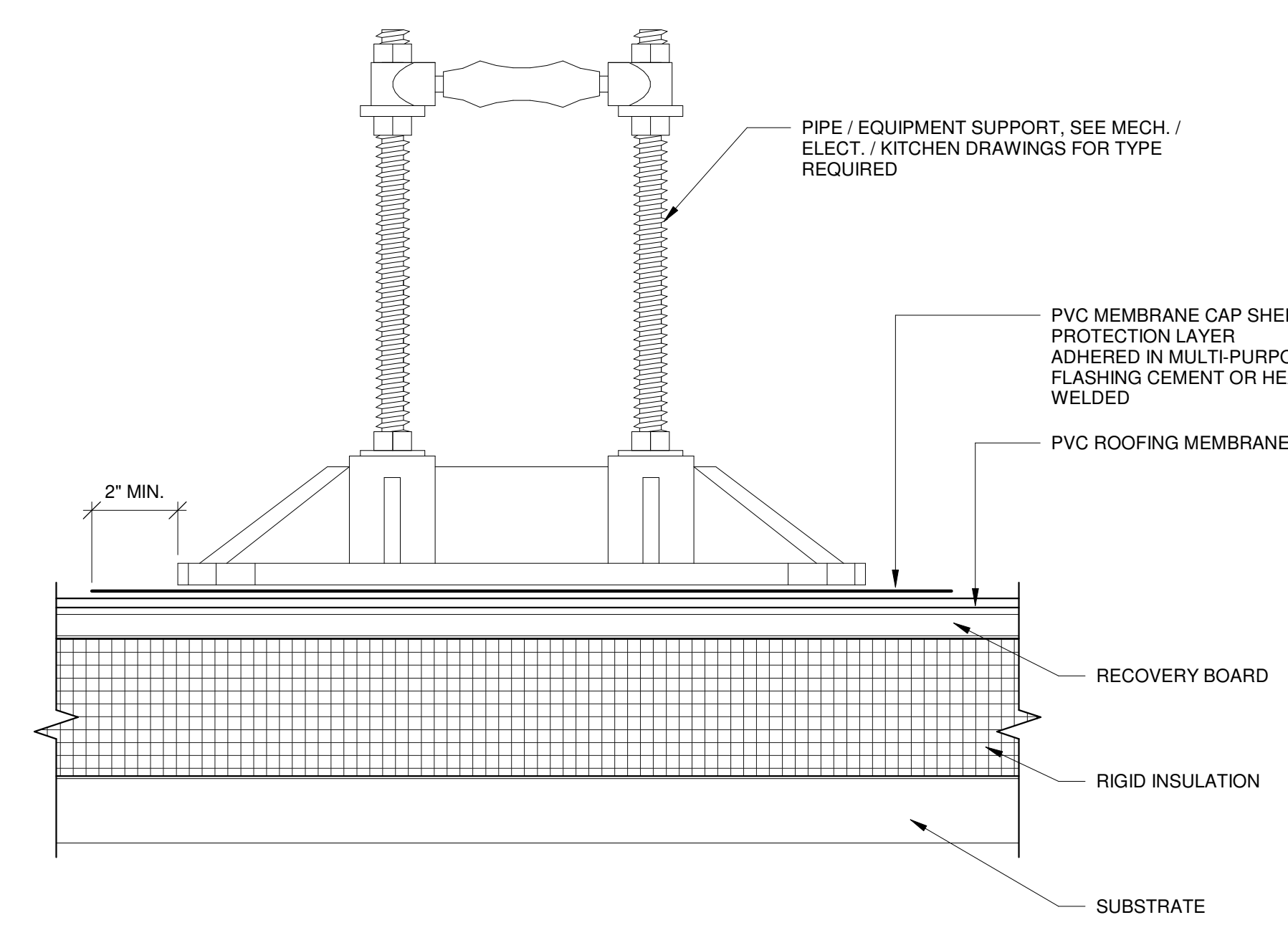
4 TYP. ROOF CANT DETAIL
A-520 6" = 1'-0"



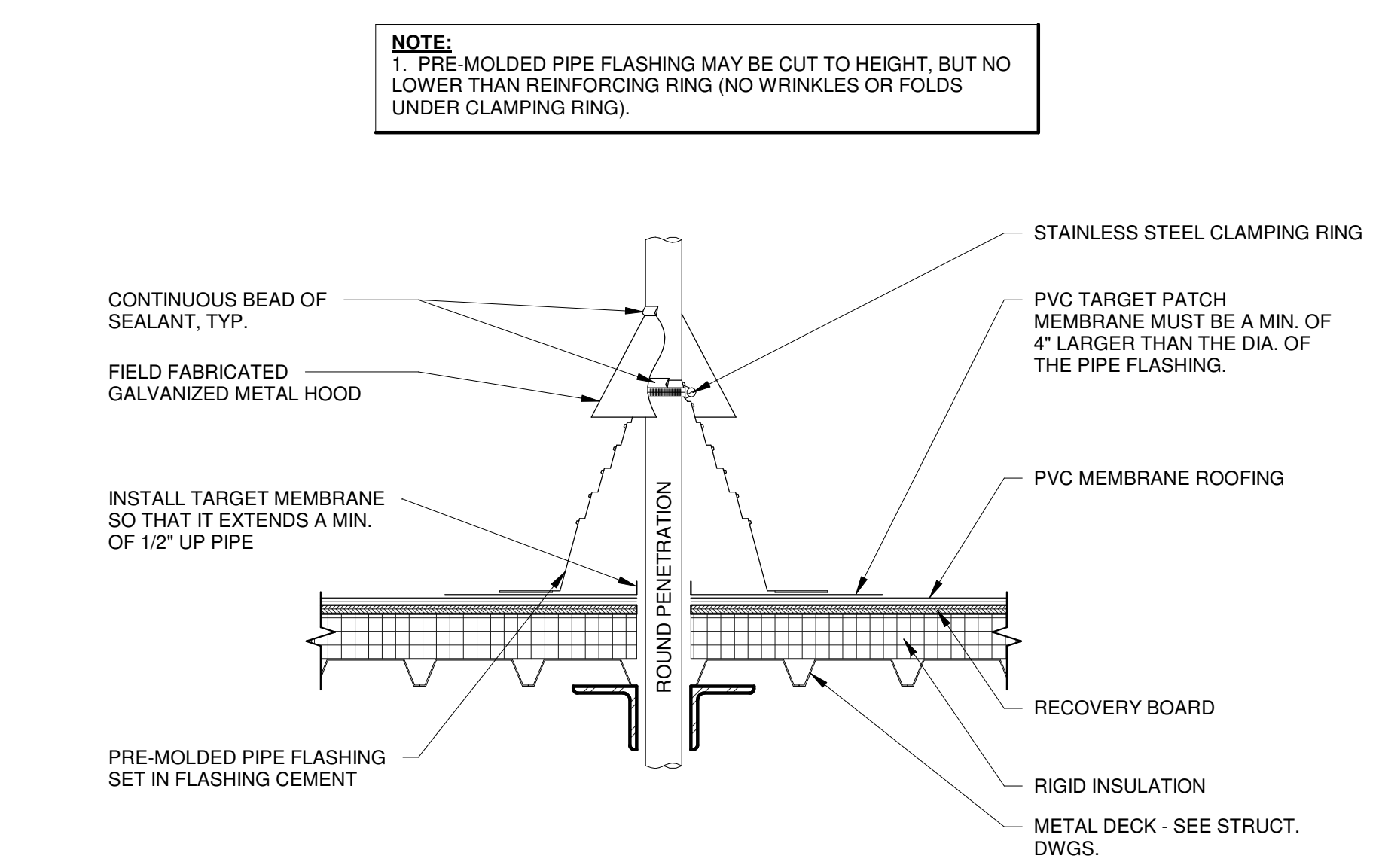
5 TYP. SCUPPER FLASHING DETAIL
A-520 6" = 1'-0"



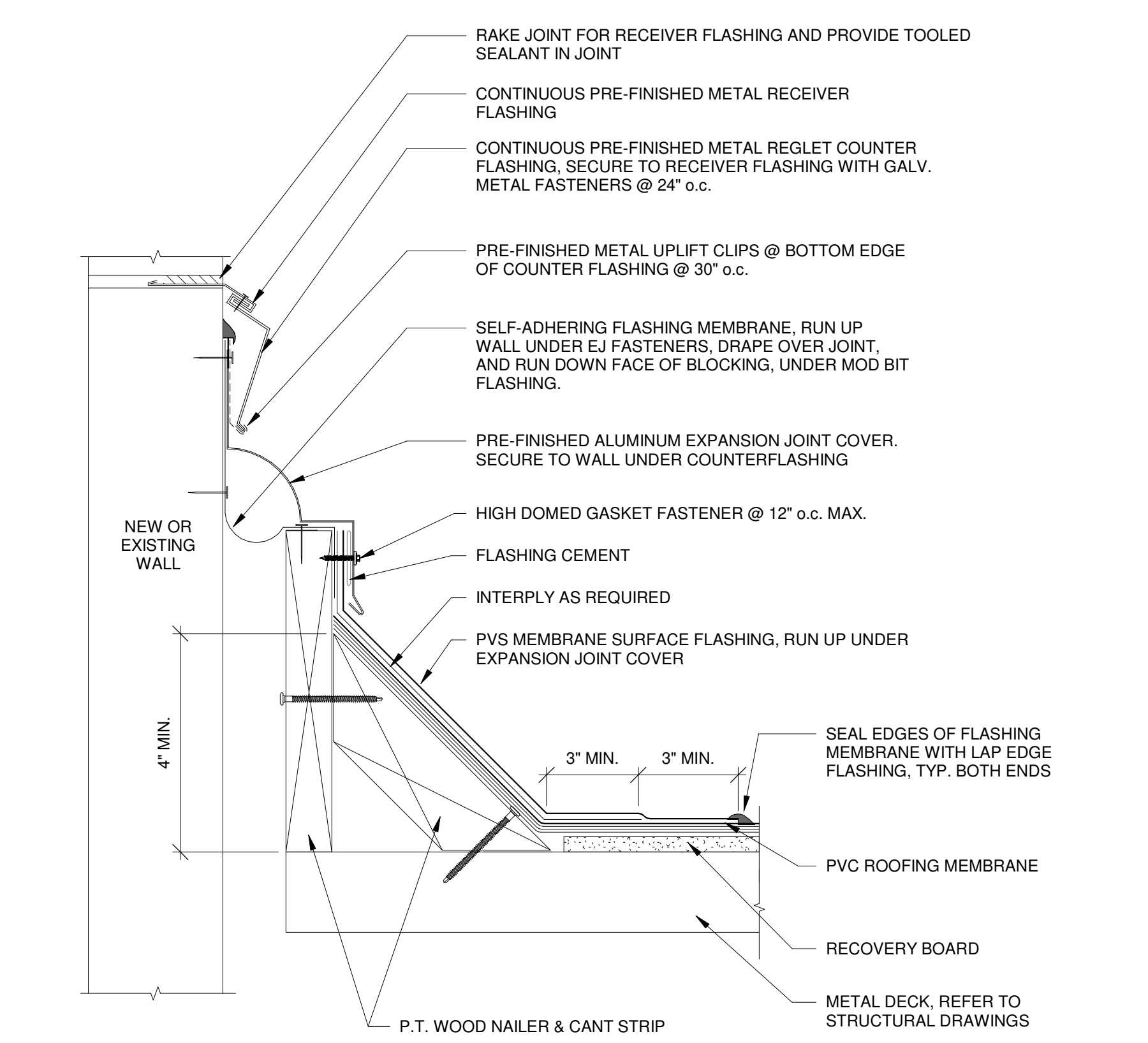
6 TYP. SCUPPER / COLLECTOR BOX DETAIL
A-520 1 1/2" = 1'-0"



3 TYP. PIPE SUPPORT
A-520 6" = 1'-0"



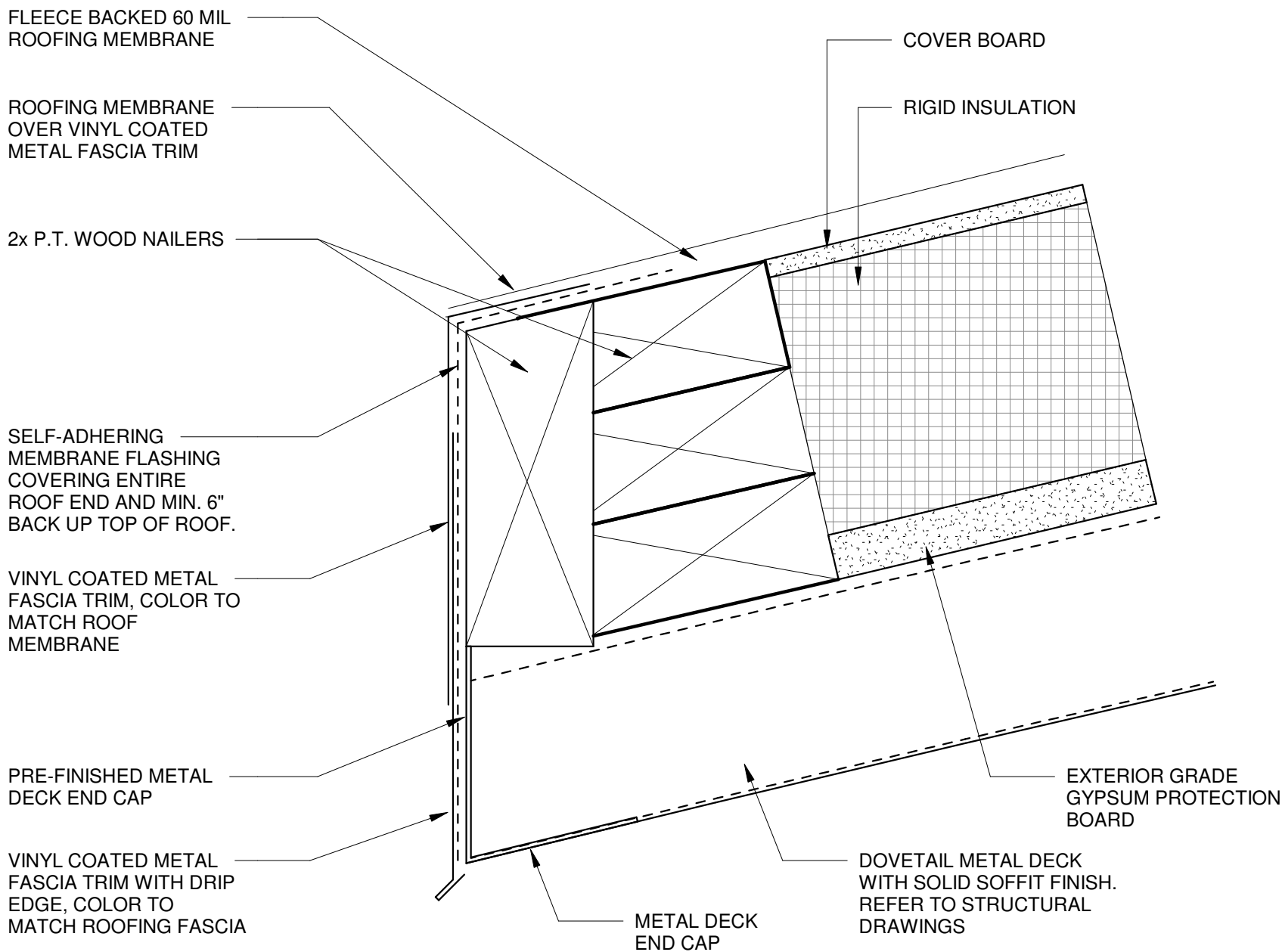
2 TYP. PIPE PENETRATION DETAIL
A-520 1 1/2" = 1'-0"



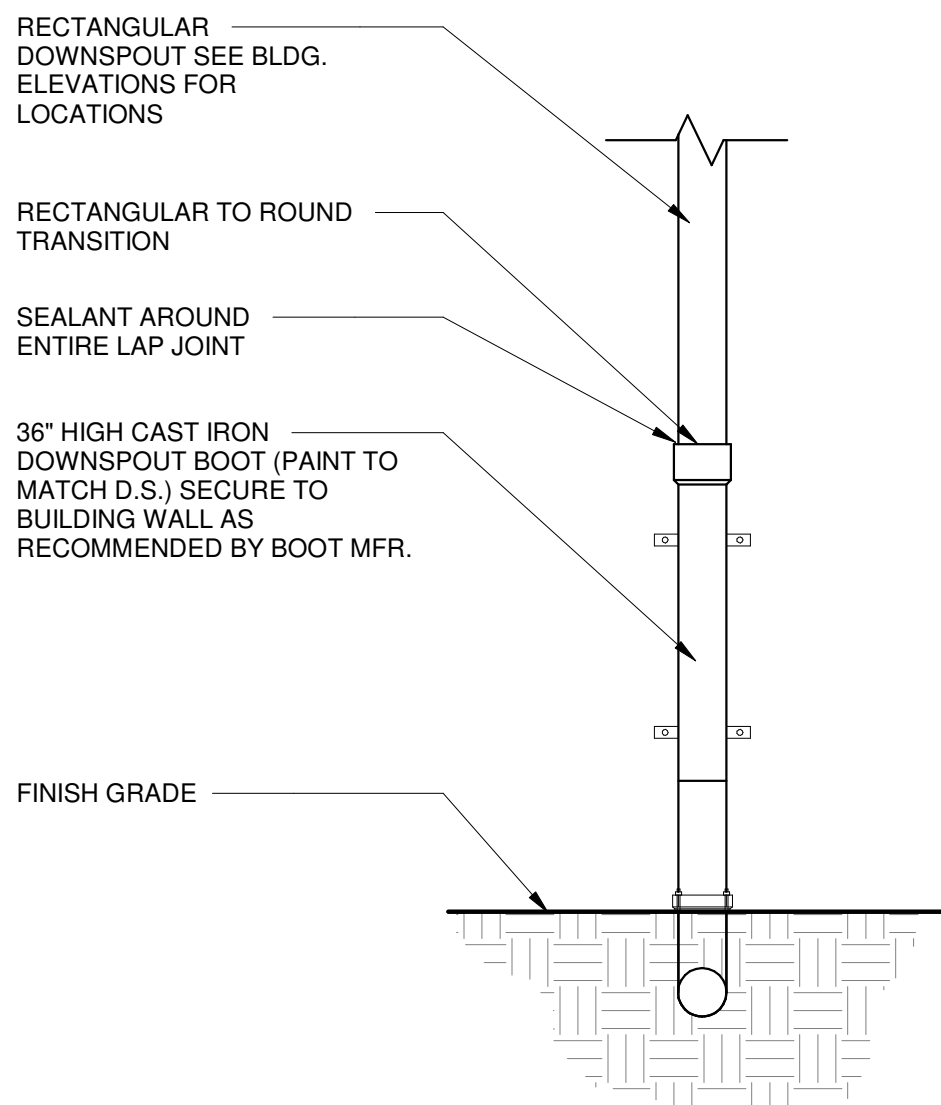
1 TYP. BUILDING ISOLATION JOINT DETAIL
A-520 6" = 1'-0"

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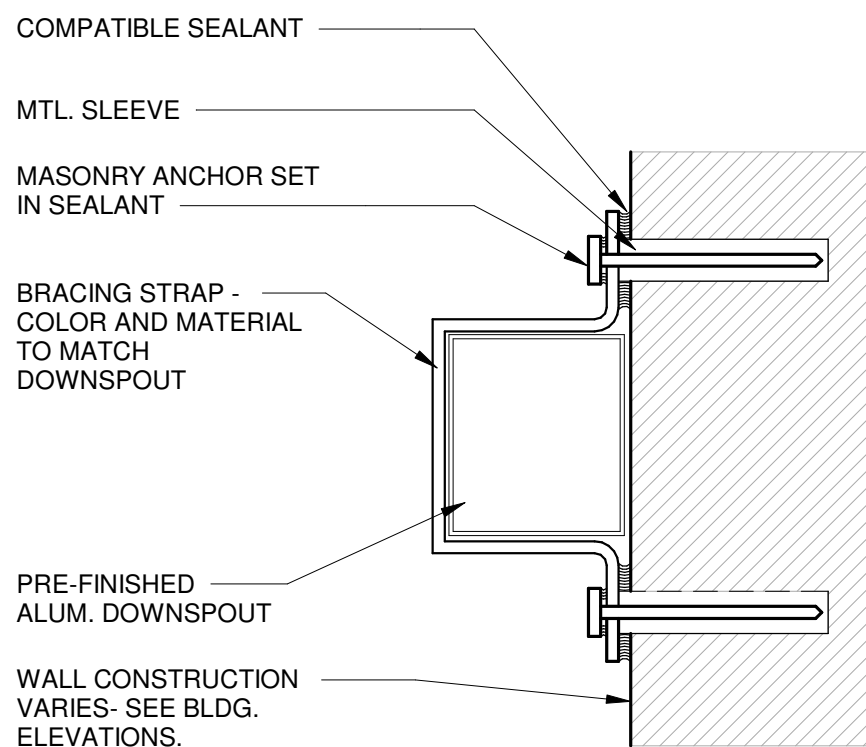
BASIS OF DESIGN FOR ROOF EDGE FASCIA:
EXCEPTIONAL METALS
"VINYL-COATED DRIP EDGE" (STRAIGHT AND ARCHED PROFILES)



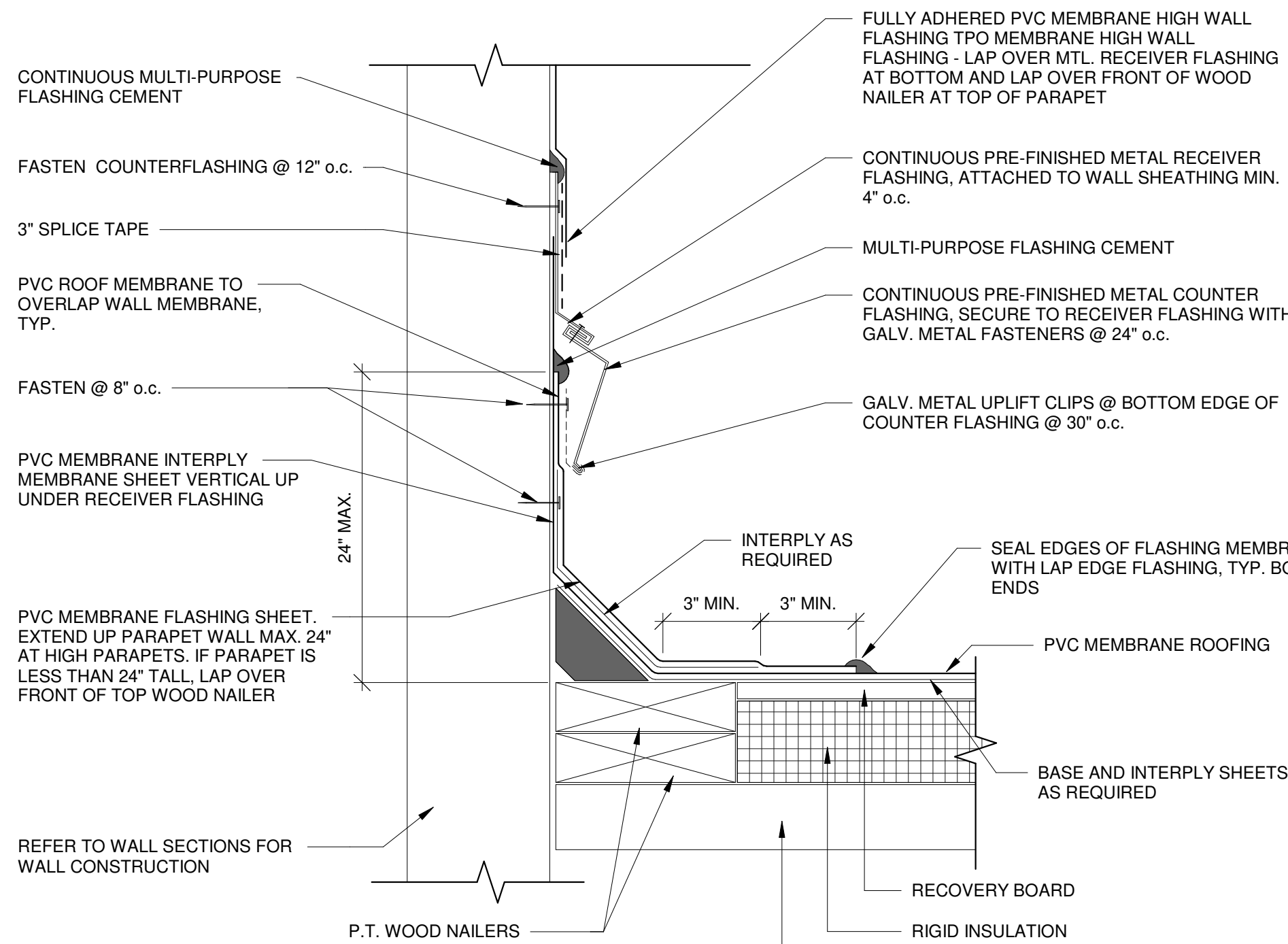
8 ROOF END DETAIL
A-521 6" = 1'-0"



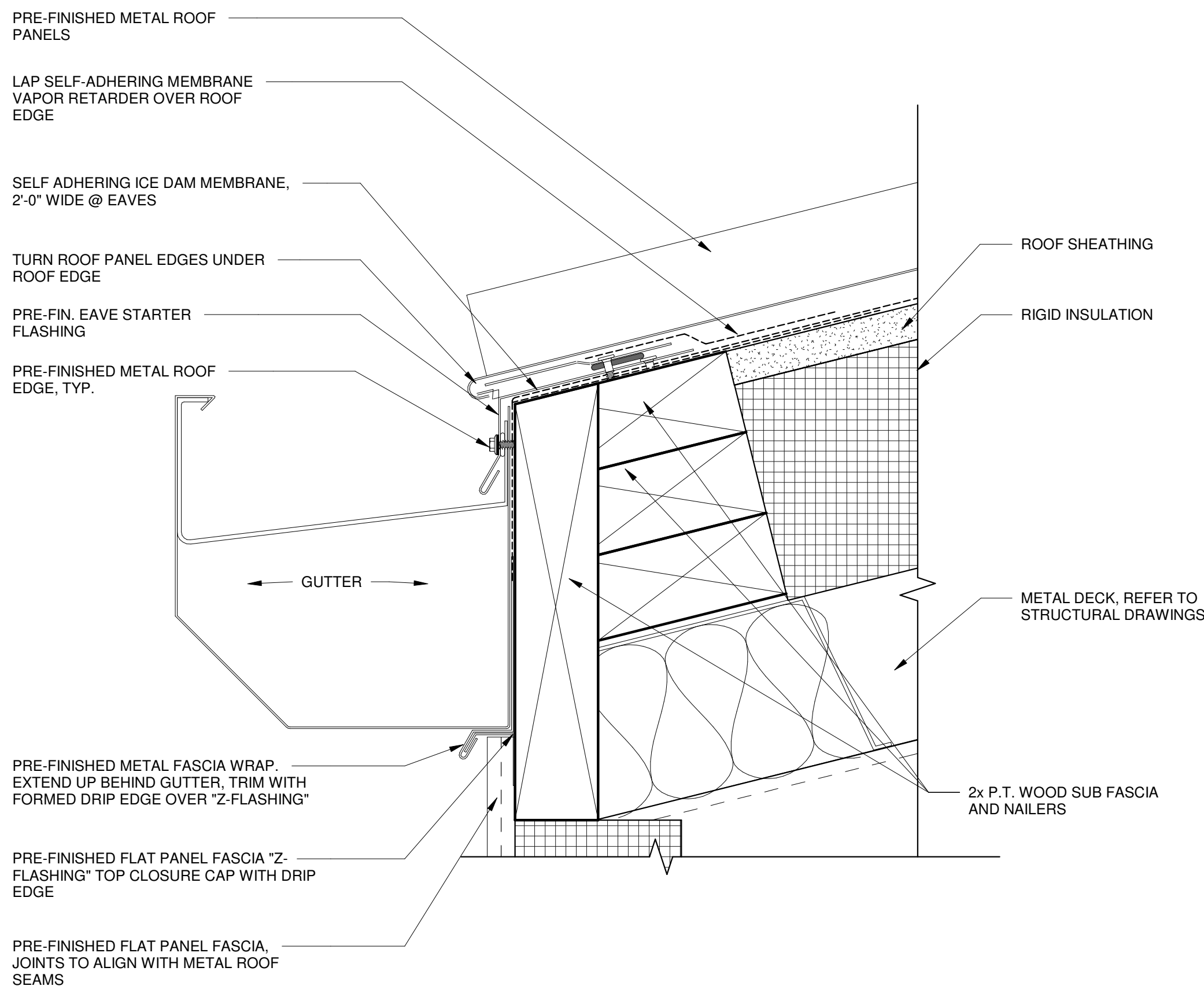
4 TYP. DOWNSPOUT BOOT DETAIL
A-521 3/4" = 1'-0"



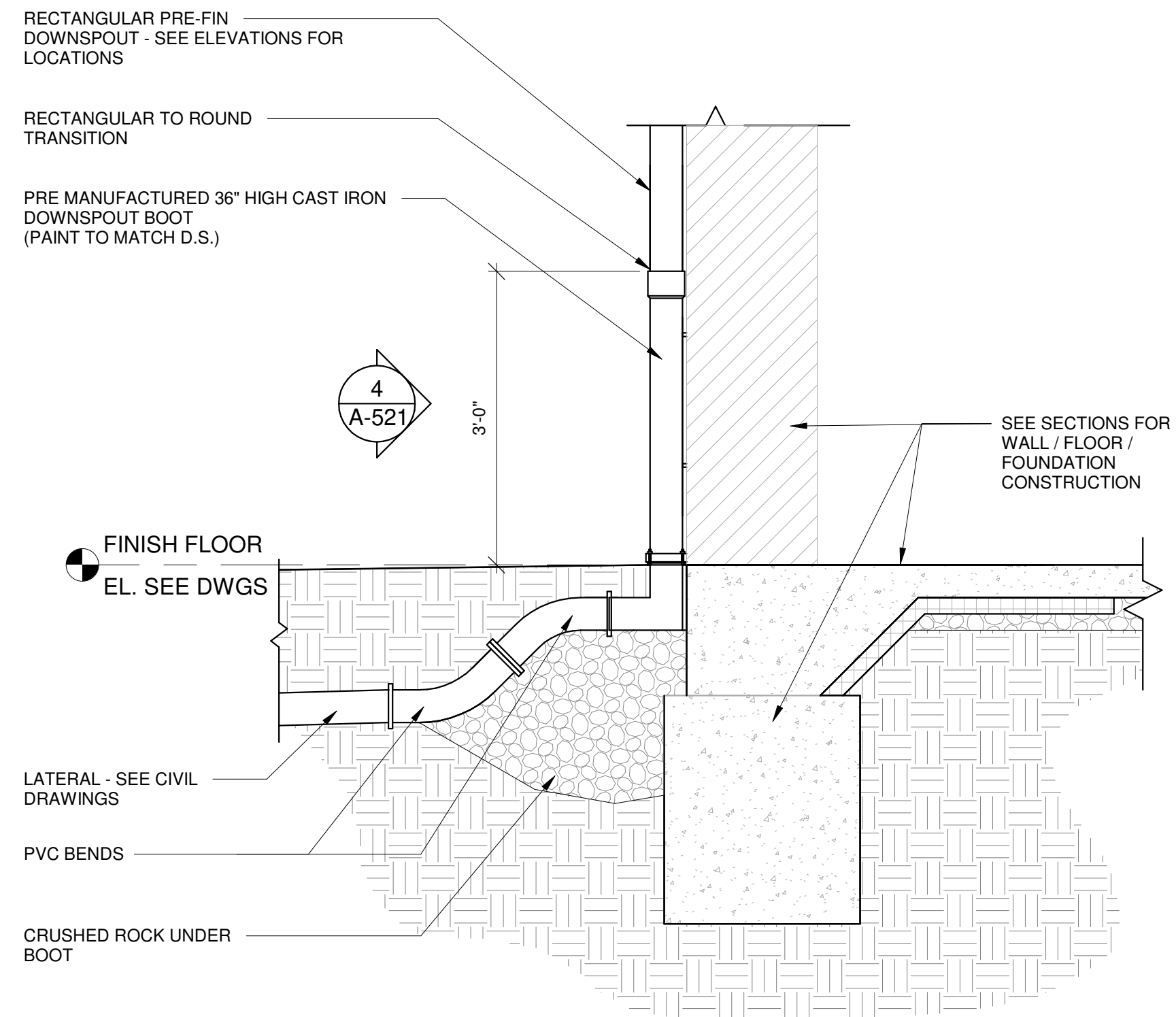
3 TYP. DOWNSPOUT BRACING DETAIL
A-521 1 1/2" = 1'-0"



7 TYP. ROOF PARAPET FLASHING DETAIL
A-521 6" = 1'-0"

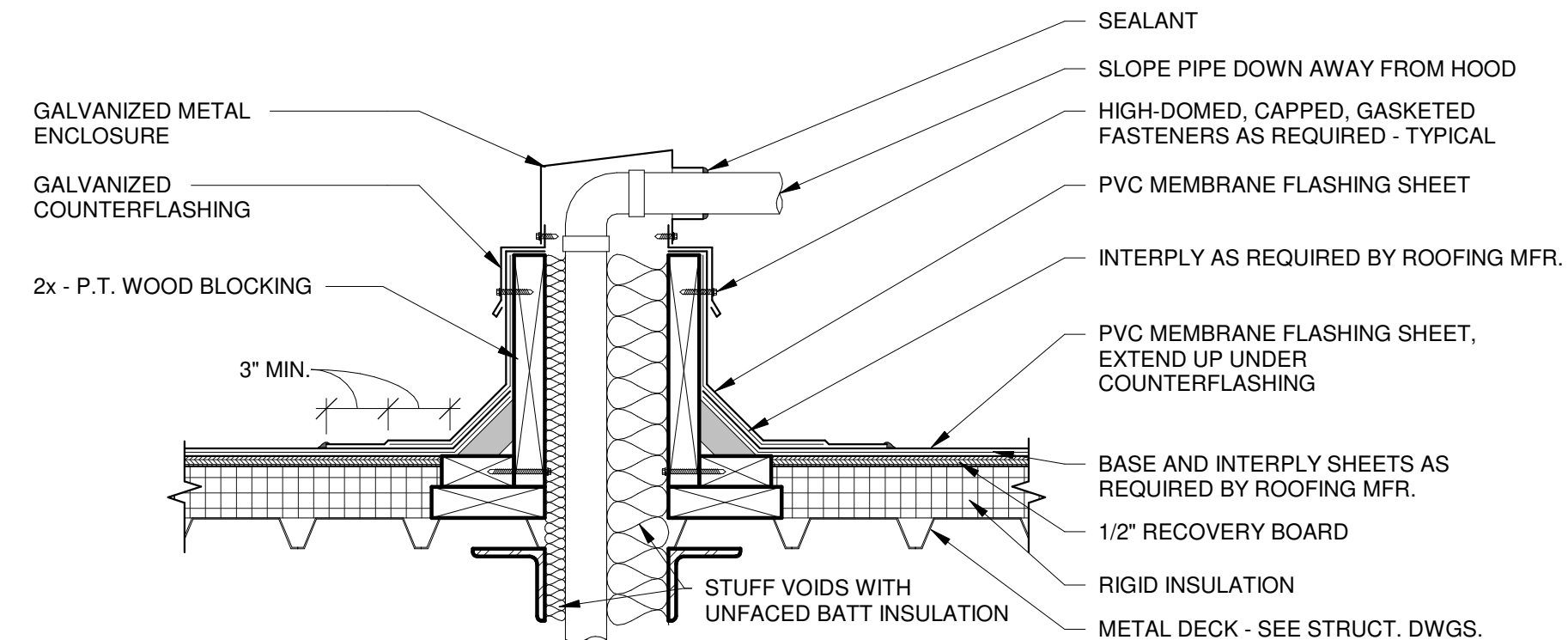


2 TYP. GUTTER SECTION
A-521 6" = 1'-0"

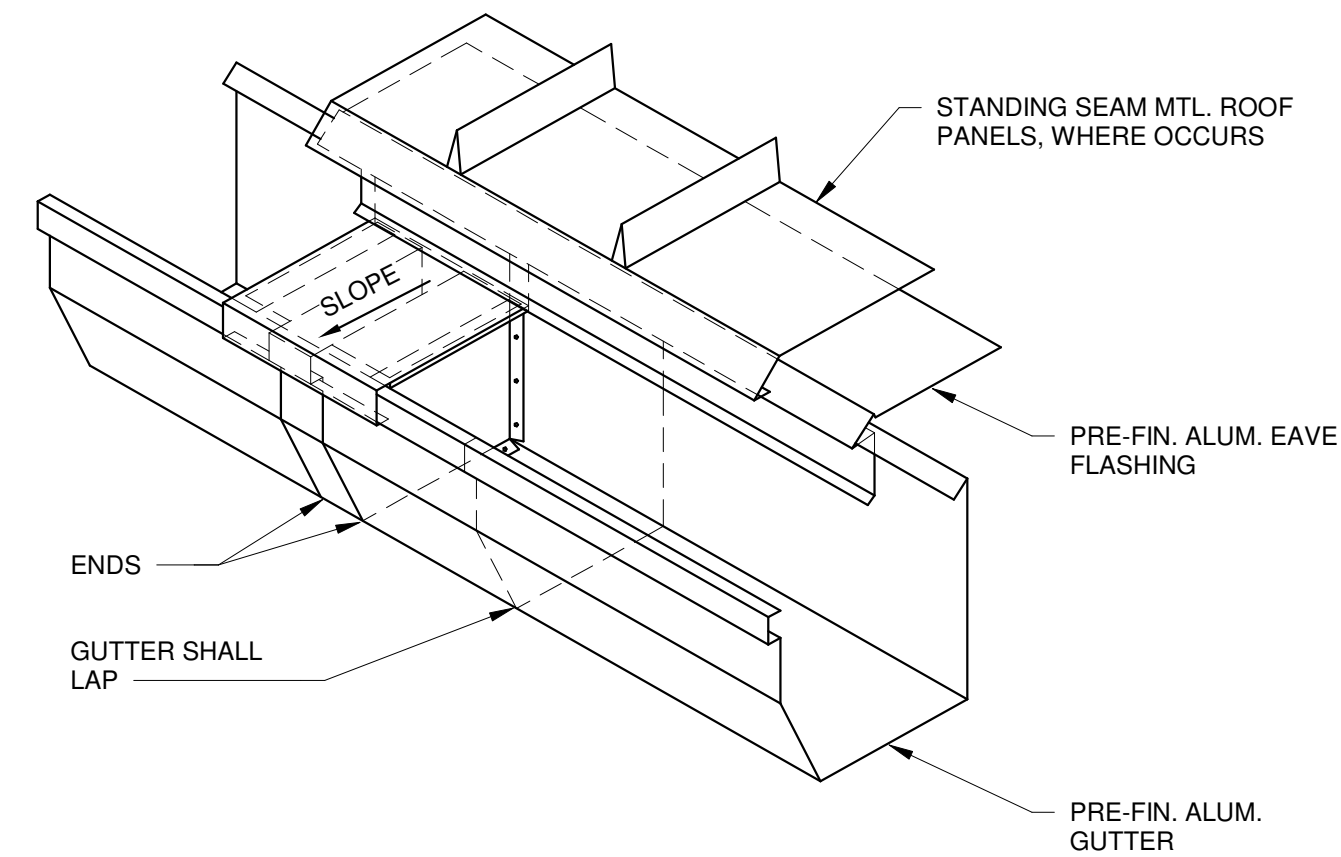


6 TYP. DOWNSPOUT DETAIL
A-521 3/4" = 1'-0"

NOTES:
1. ALL SHEET METAL TO BE INSTALLED PER SMACNA GUIDELINES.
2. ATTACH NAILERS TO ROOF DECK W/ SUITABLE FASTENER.



5 TYP. HORIZONTAL PIPE PENETRATION DETAIL
A-521 1 1/2" = 1'-0"



NOTE:
1. PROVIDE EXPANSION JOINT SPACING @ GUTTER PER SMACNA GUIDELINES.
2. GUTTER & FLASHING BY MTL. BLDG.MFR. - EXACT DETAILS & INSTALLATION PER MFR. RECOMMENDATIONS.

1 TYP. GUTTER EXPANSION JOINT DETAIL
A-521 1 1/2" = 1'-0"

ISSUANCES

No.	Description	Date
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Project

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DRAWING TITLE

ROOF DETAILS

SHEET NO.

A-521



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Sycamore Trails Aquatic Center

400 S. Heincke Road
Miamisburg, 45342

ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

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CAS

Checked By:

Client	
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Number 94

Project	
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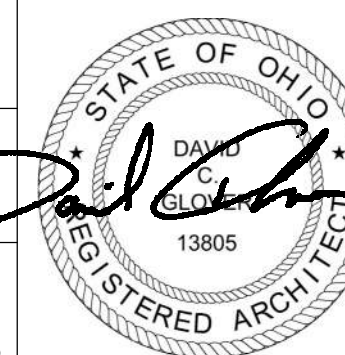
Number
738

DRAWING TITLE

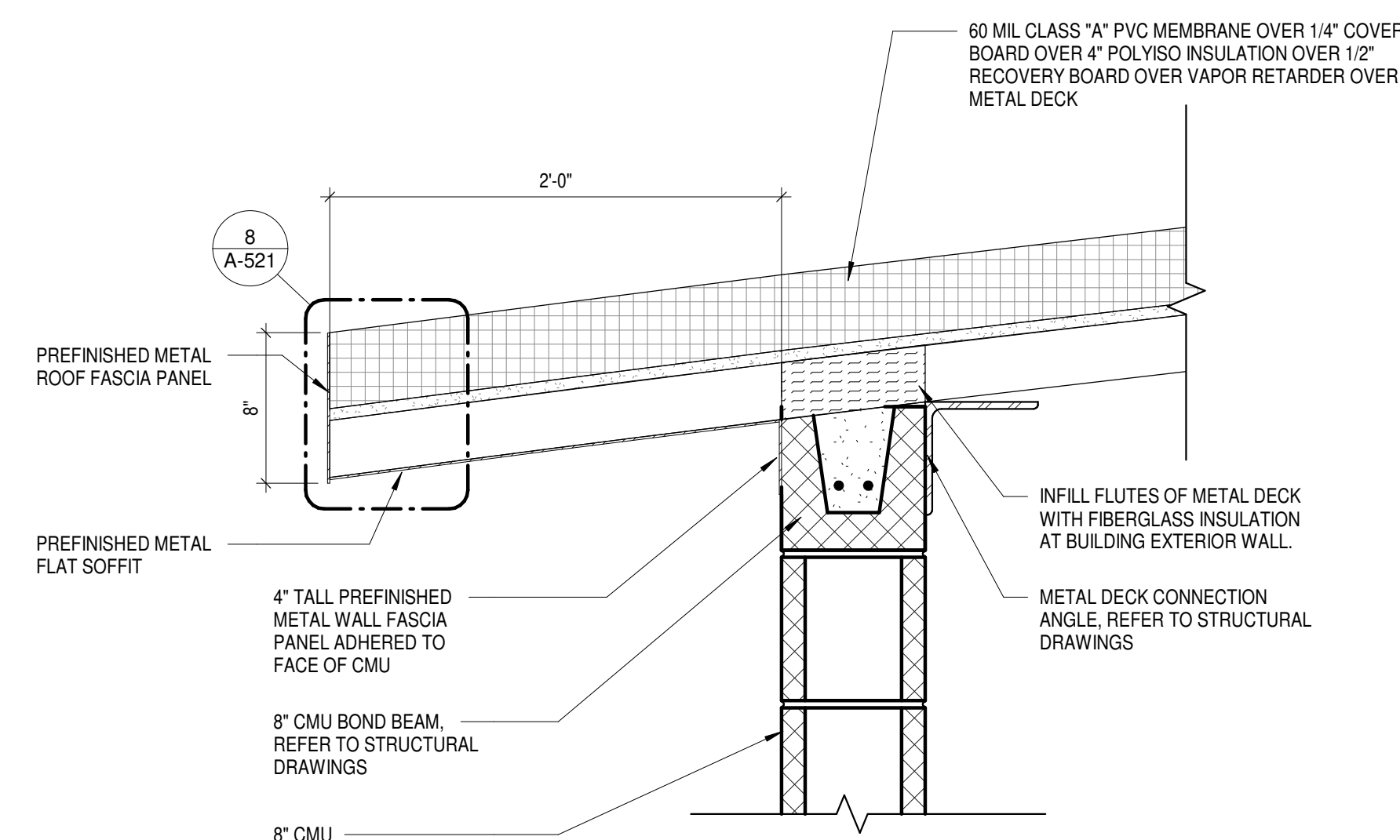
SECTION DETAILS

SHEET NO.

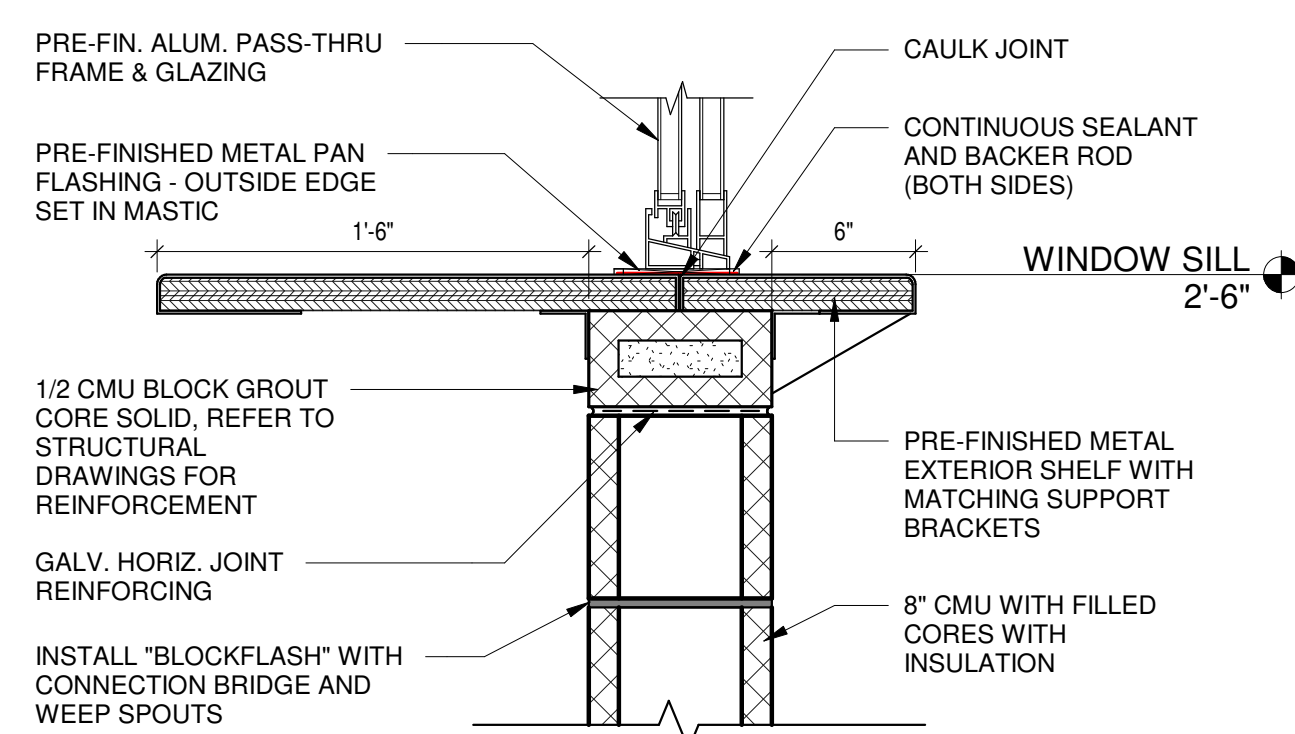
A-530



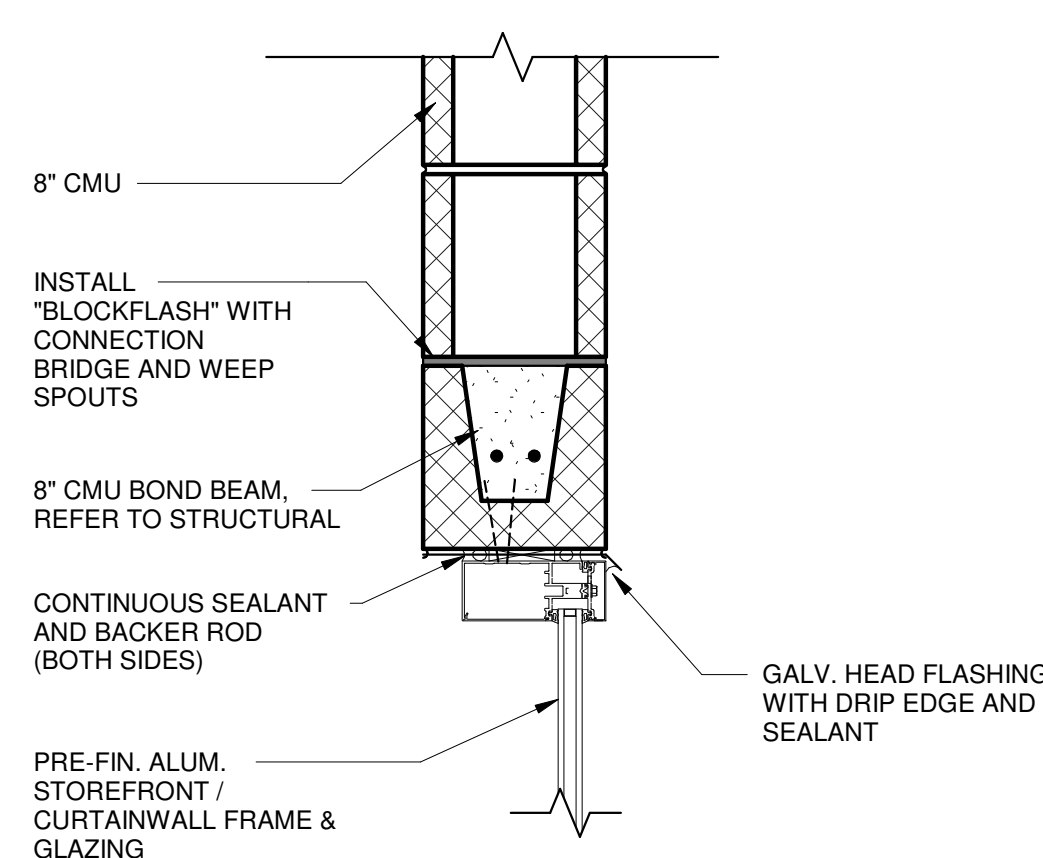
DAVID C. GLOVER
LICENSE #13805
EXPIRATION DATE 12/31/2015



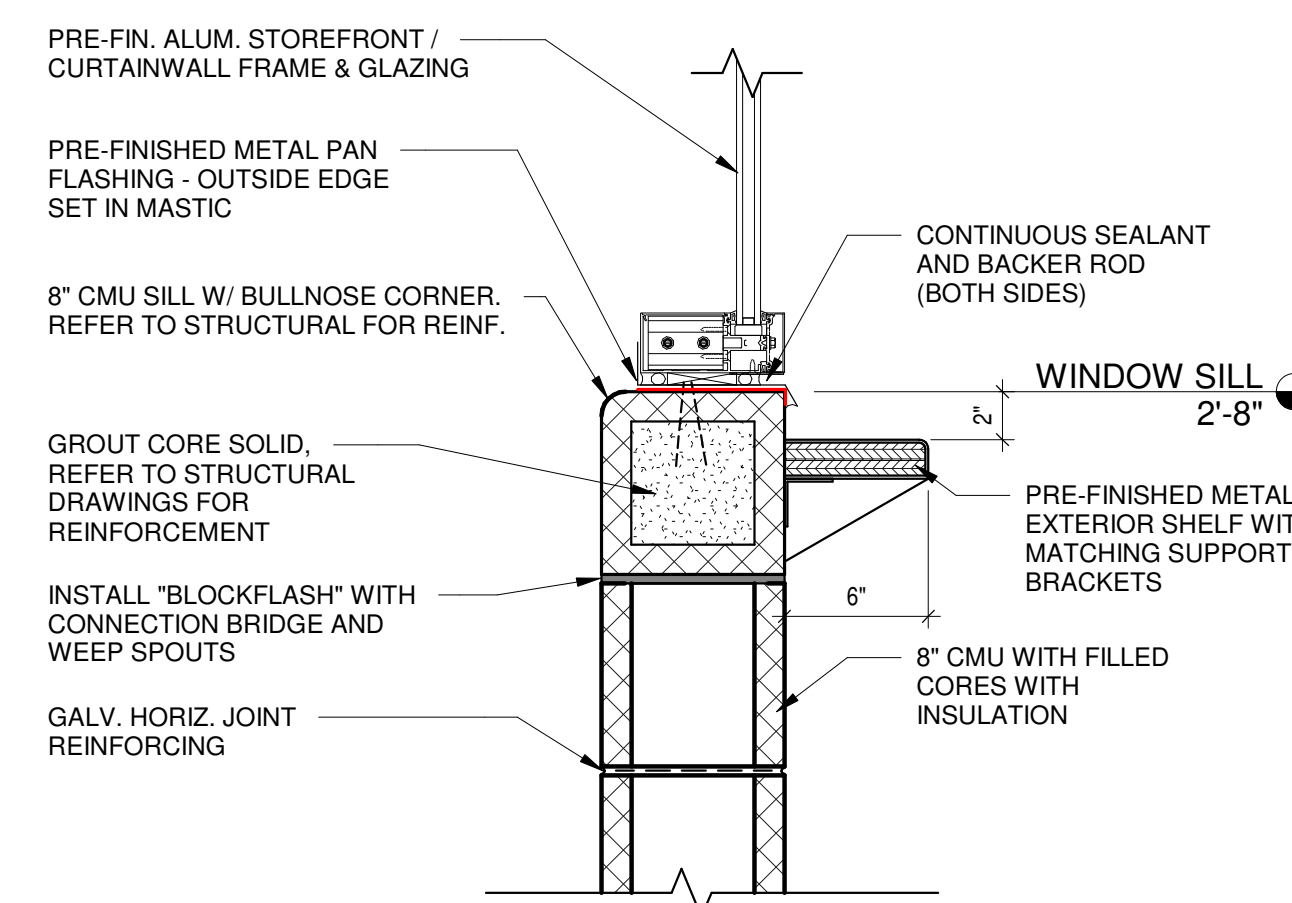
7	CMU WALL AT ROOF DETAIL
A-530	1 1/2" = 1'-0"



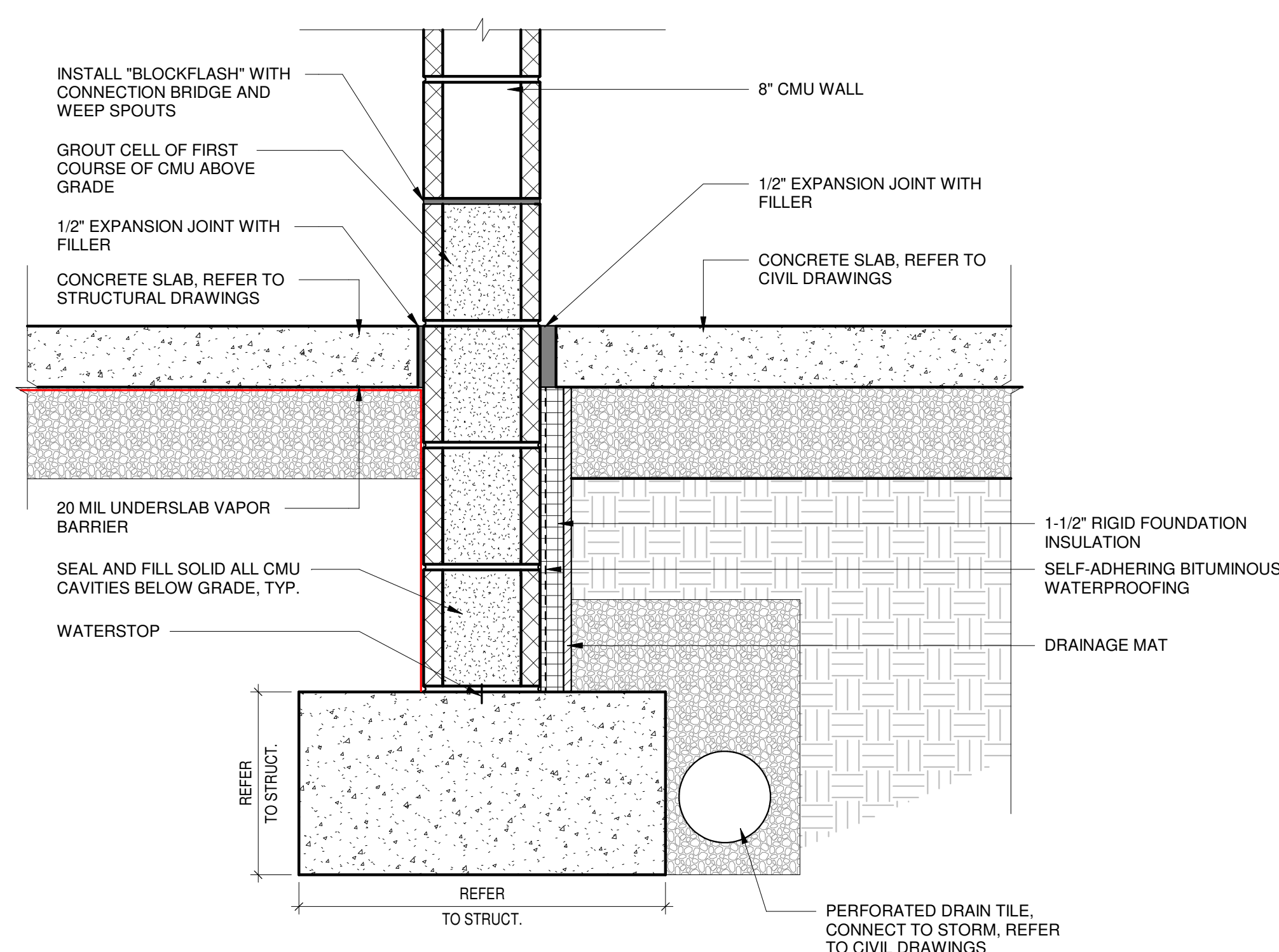
6	WINDOW SILL CONCESSIONS DETAIL
A-530	1 1/2" = 1'-0"



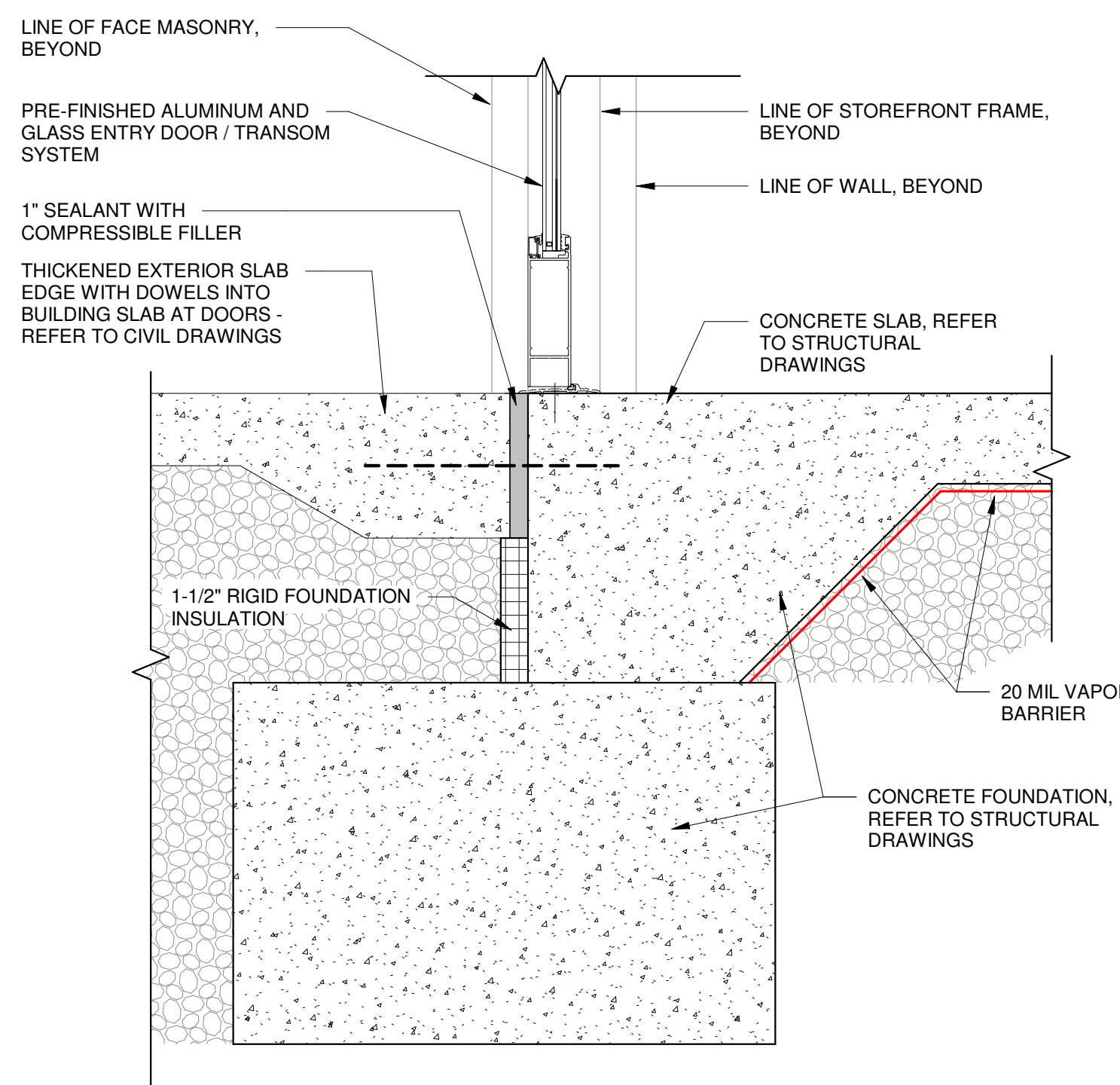
5	TYP. WINDOW HEAD DETAIL
A-530	1 1/2" = 1'-0"



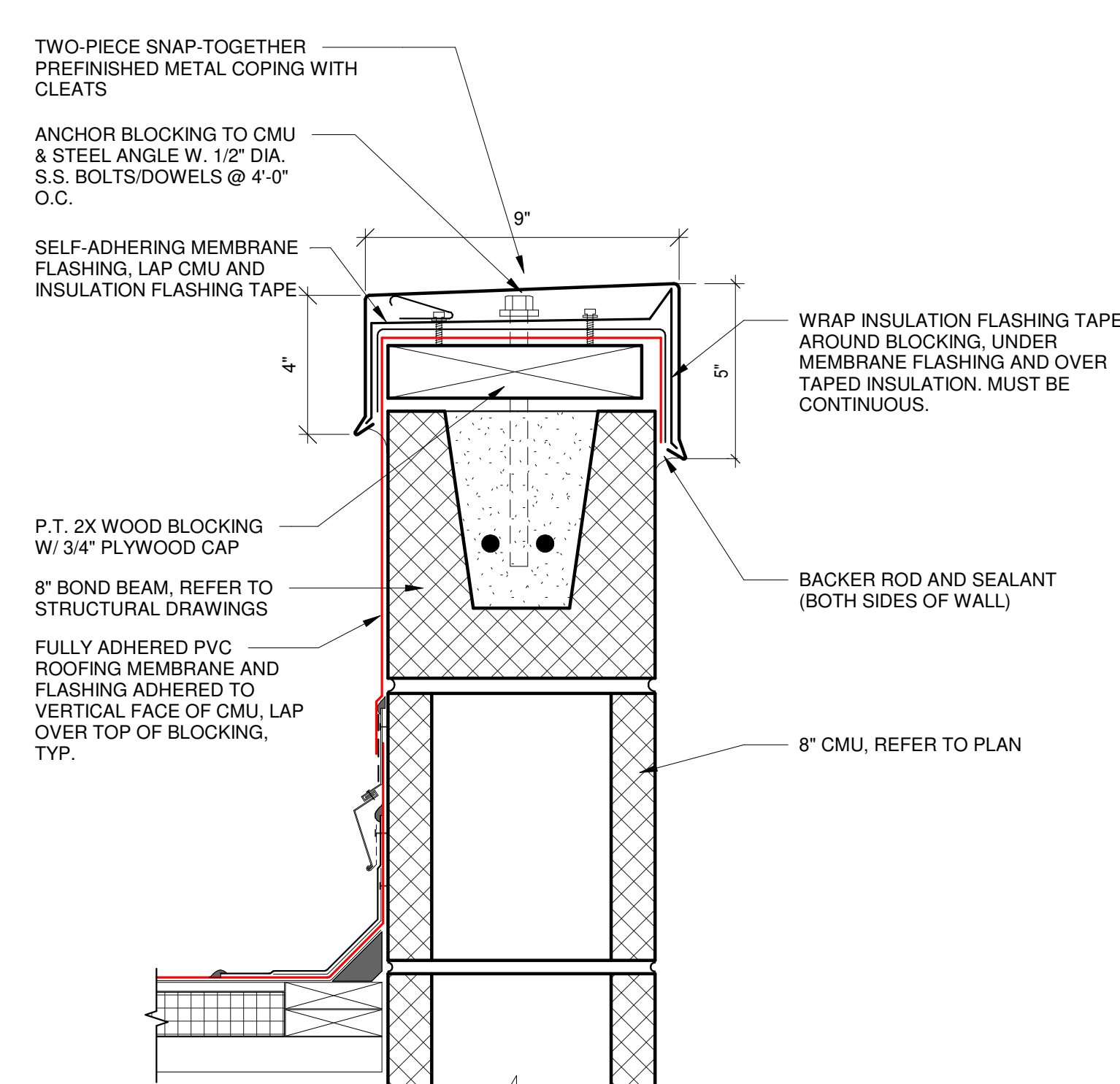
4	TYP. WINDOW SILL DETAIL
A-530	1 1/2" = 1'-0"



3	TYP. WALL BASE DETAIL
A-530	1 1/2" = 1'-0"



2	TYP. ENTRY DOOR SILL DETAIL
A-530	1 1/2" = 1'-0"



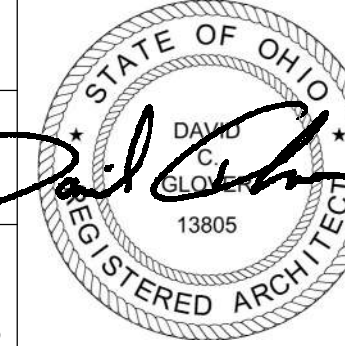
1	TYP. COPING DETAIL
A-530	3" = 1'-0"

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ISSUANCES

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0	Issued for Construction	01/17/25
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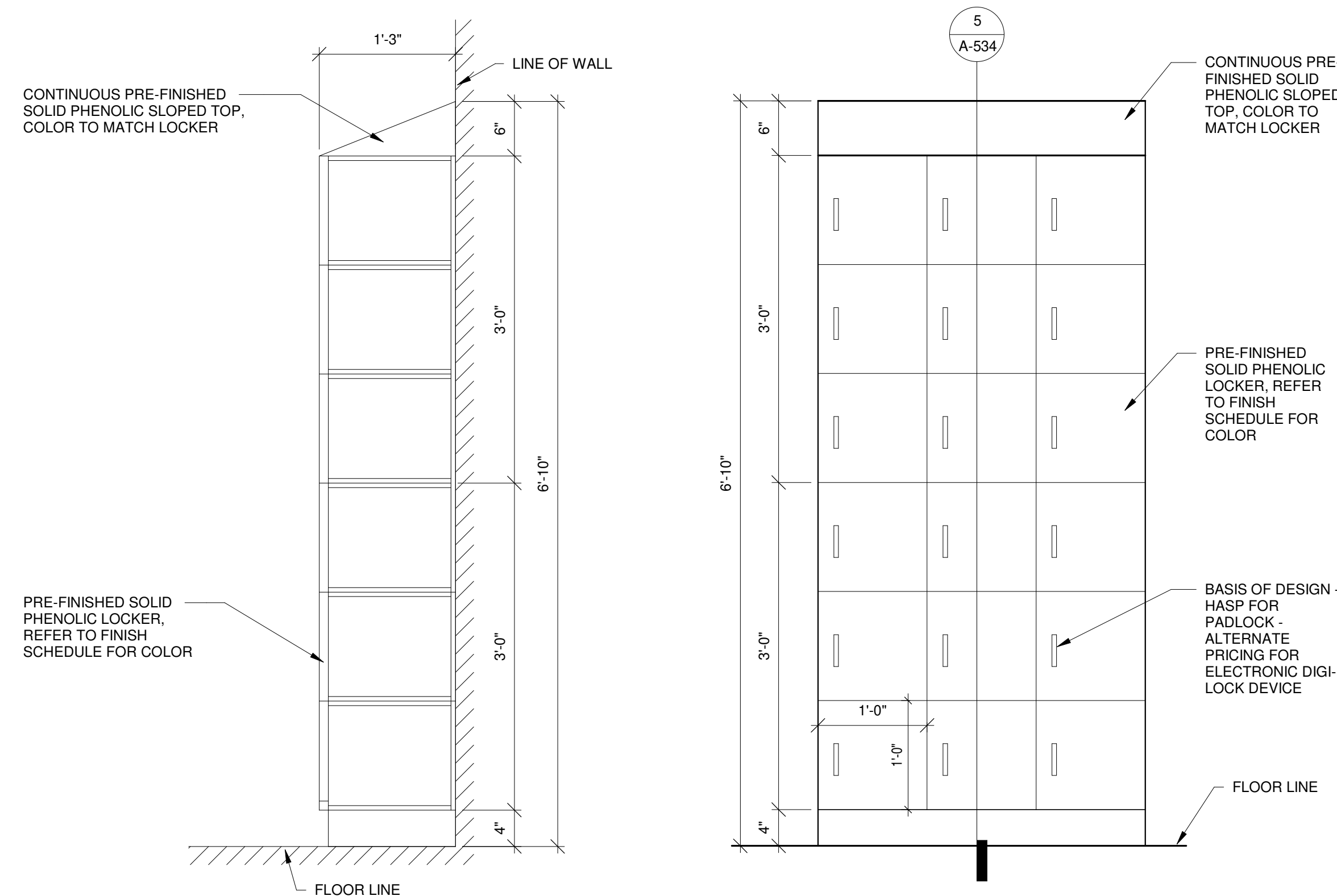
Drawn By CAS	
Checked By CAS	
Client Number 948	
Project Number 7383	
DAVID C. GLOVER LICENSE #13805 EXPIRATION DATE 12/31/2025	

DRAWING TITLE
MISC. DETAILS

SHEET NO.

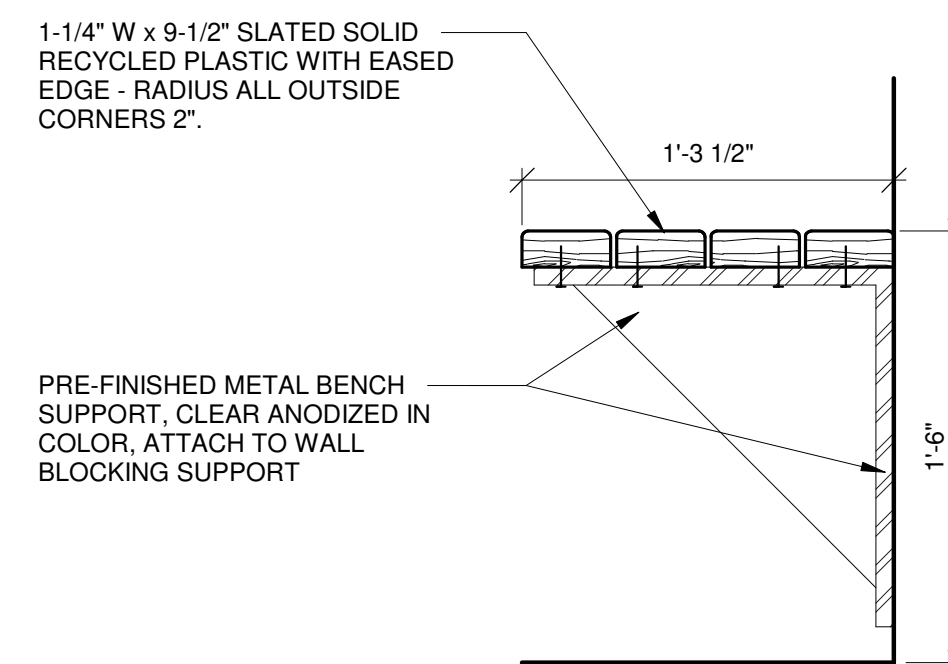
A-534

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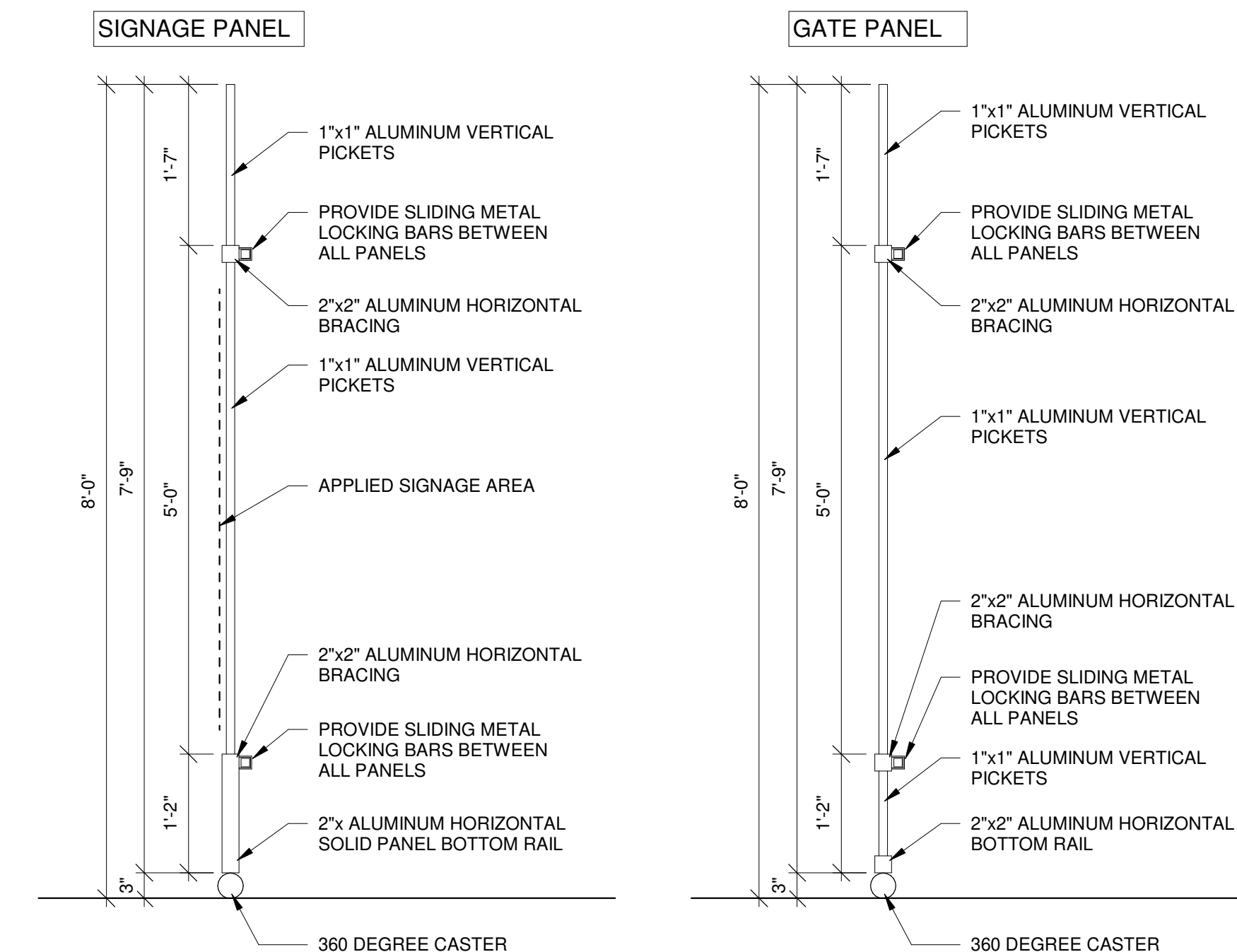


5 TYP. LOCKER SECTION
A-534 1" = 1'-0"

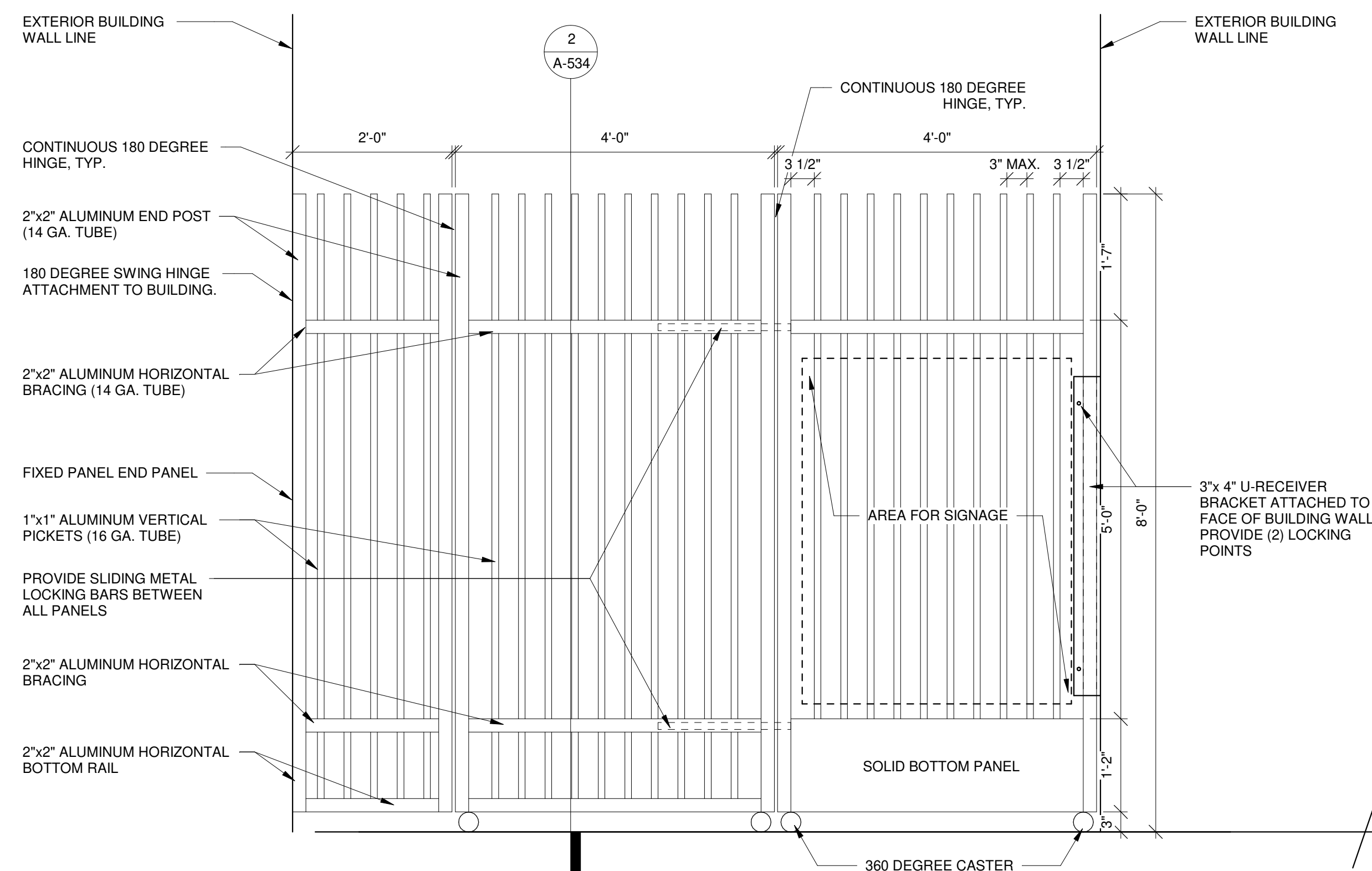
4 TYP. LOCKER ELEVATION
A-534 1" = 1'-0"



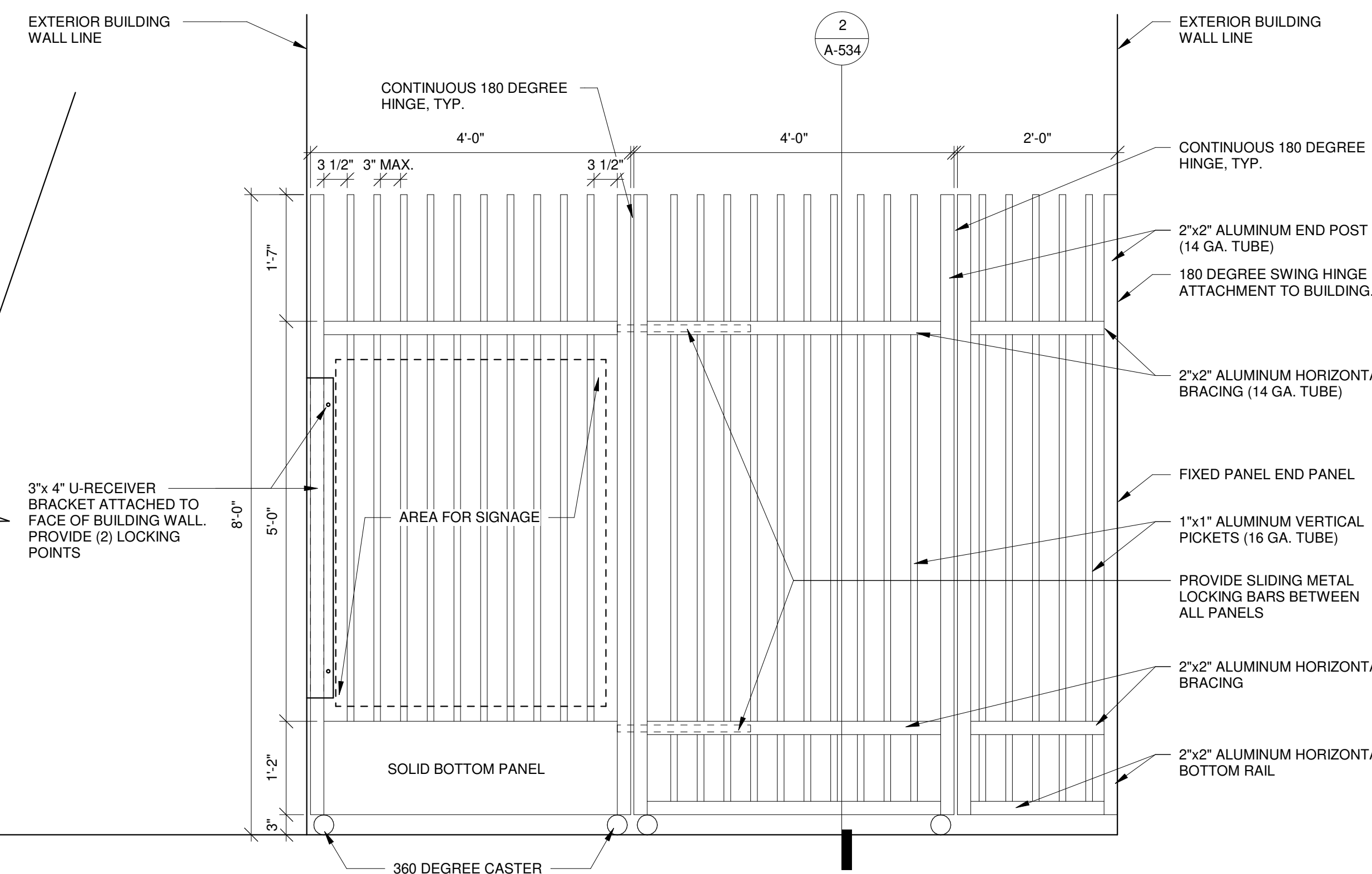
3 WALL MOUNTED BENCH
A-534 1 1/2" = 1'-0"



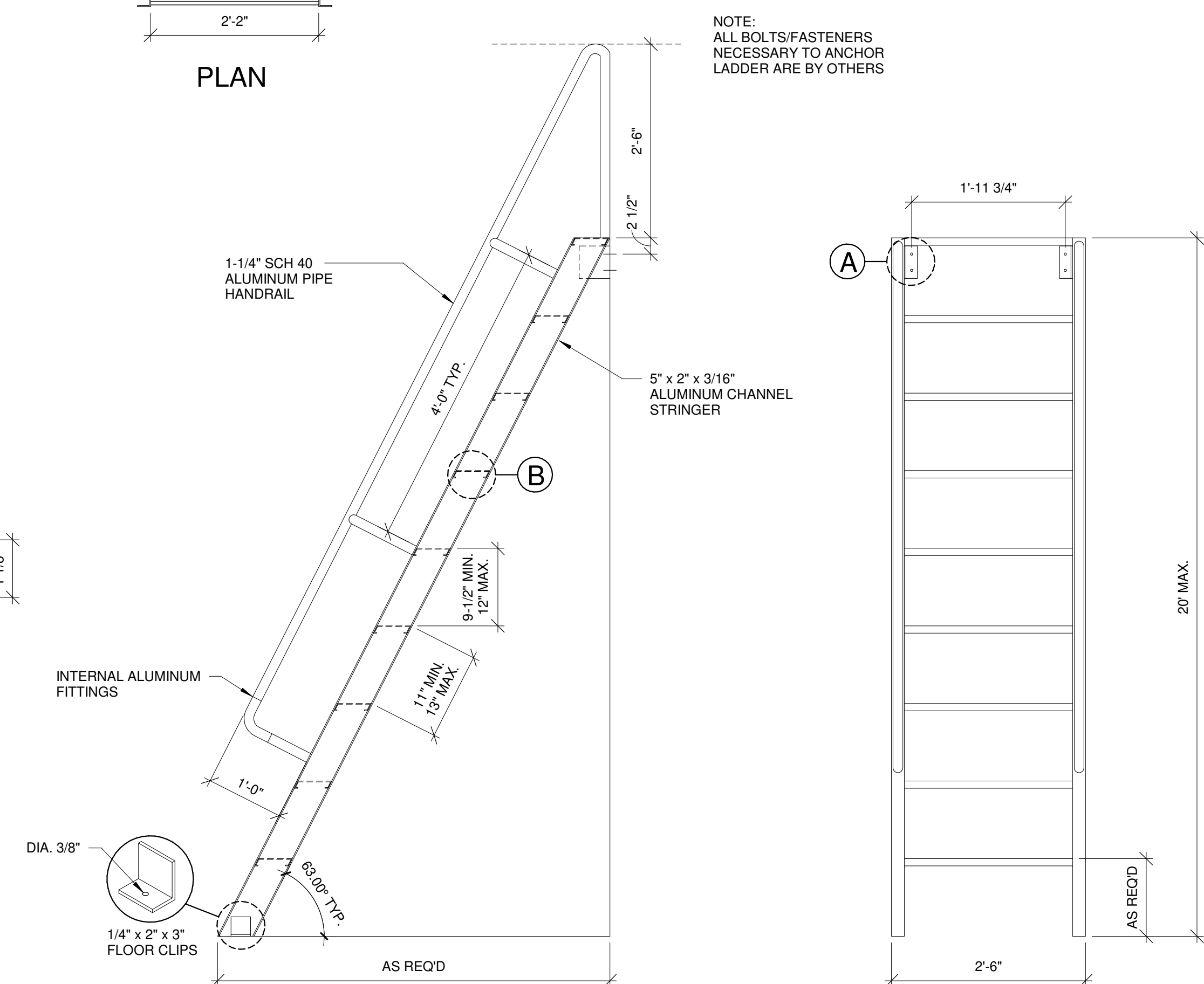
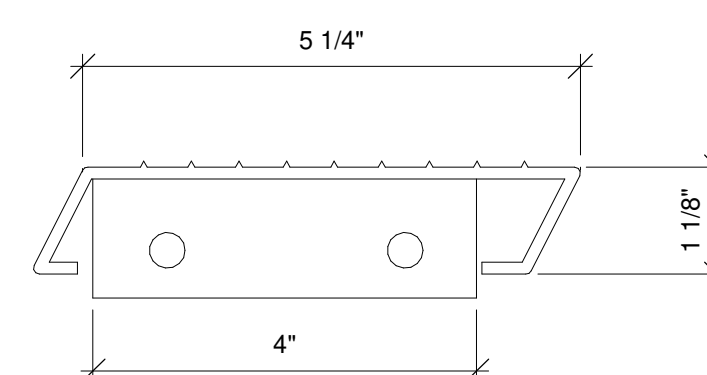
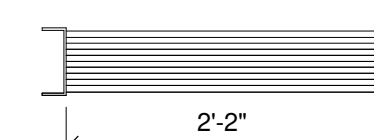
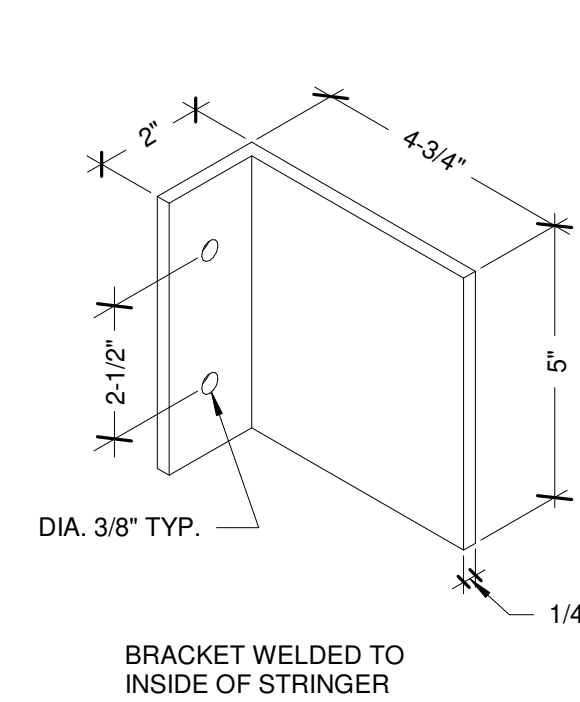
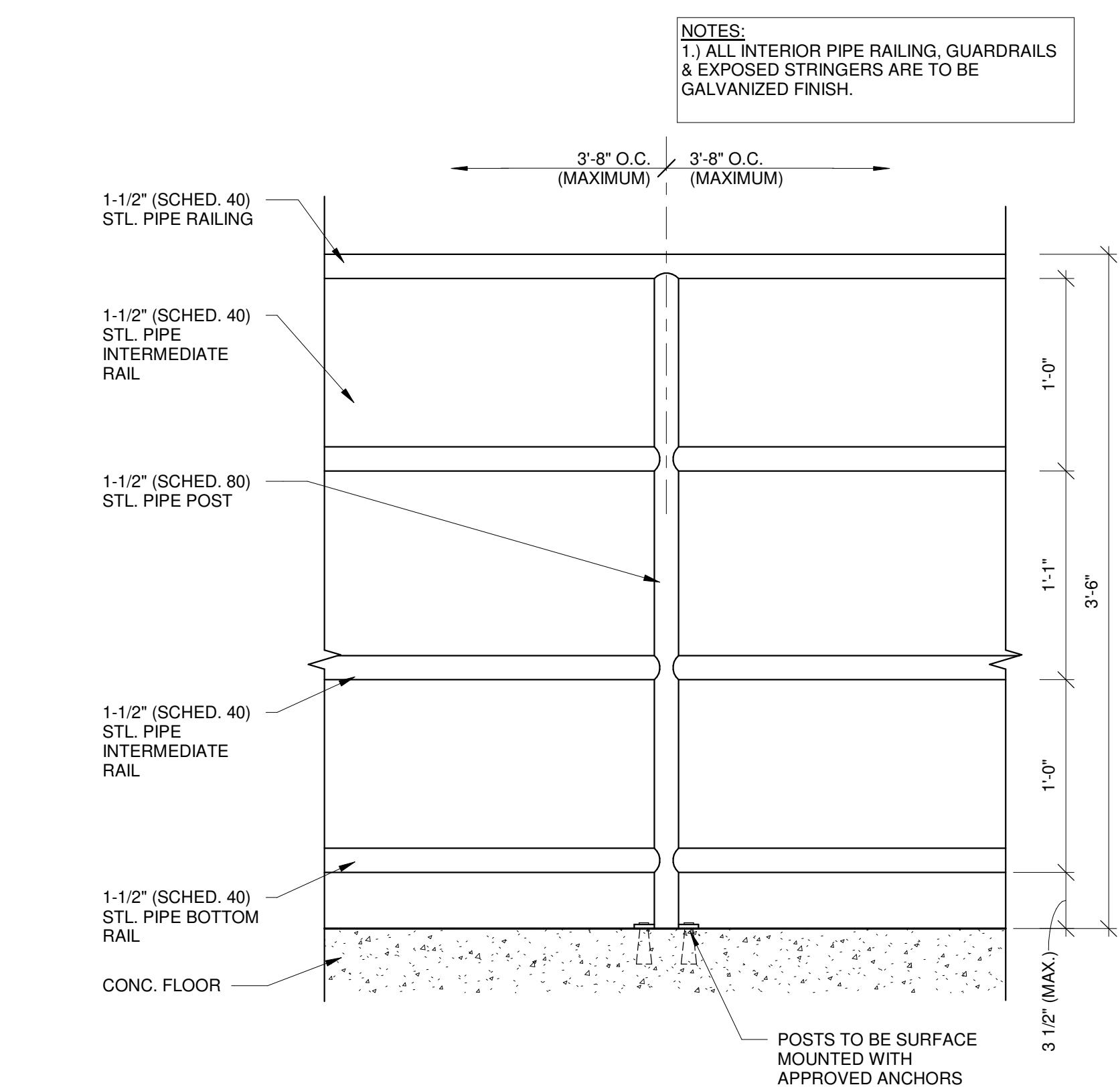
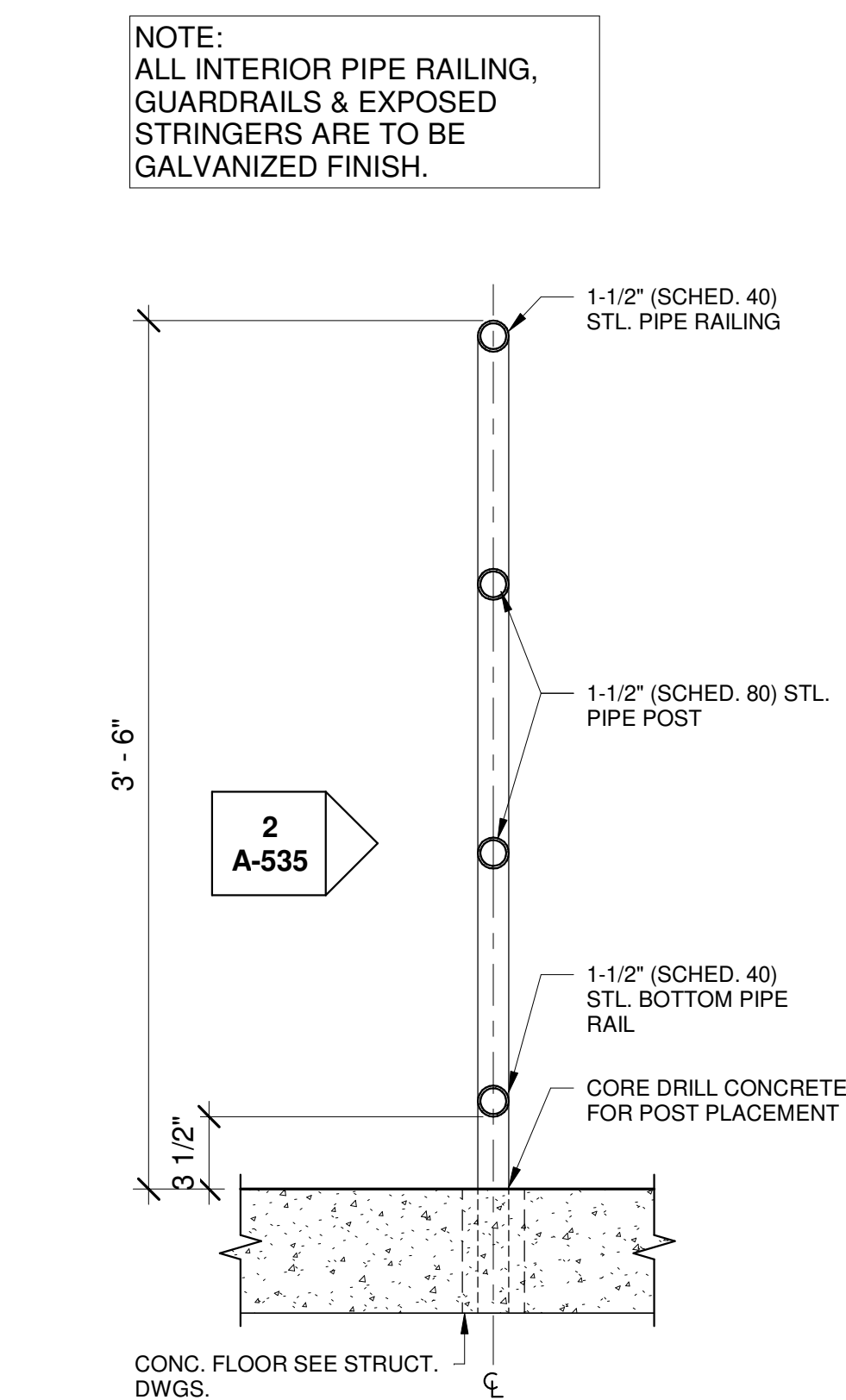
2 ROLLING GATE SECTION
A-534 3/4" = 1'-0"



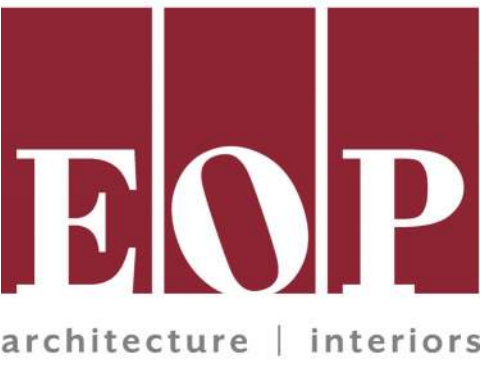
1 ENTRY GATE ELEVATION
A-534 3/4" = 1'-0"



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Dayton, OH 45402
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Sycamore Trails Aquatic Center

400 S. Heincke Road
Miamisburg, 45342

ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By

CAS

Checked By

CAS

Client

94

948

Project	
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738

383

DAVID C. GLOVER
LICENSE #13805
EXPIRATION DATE 12/31/2025

DRAWING TITLE	

MISC. DETAILS

SHEET NO.

A-535

3/12/2025 1:59:02 PM

ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

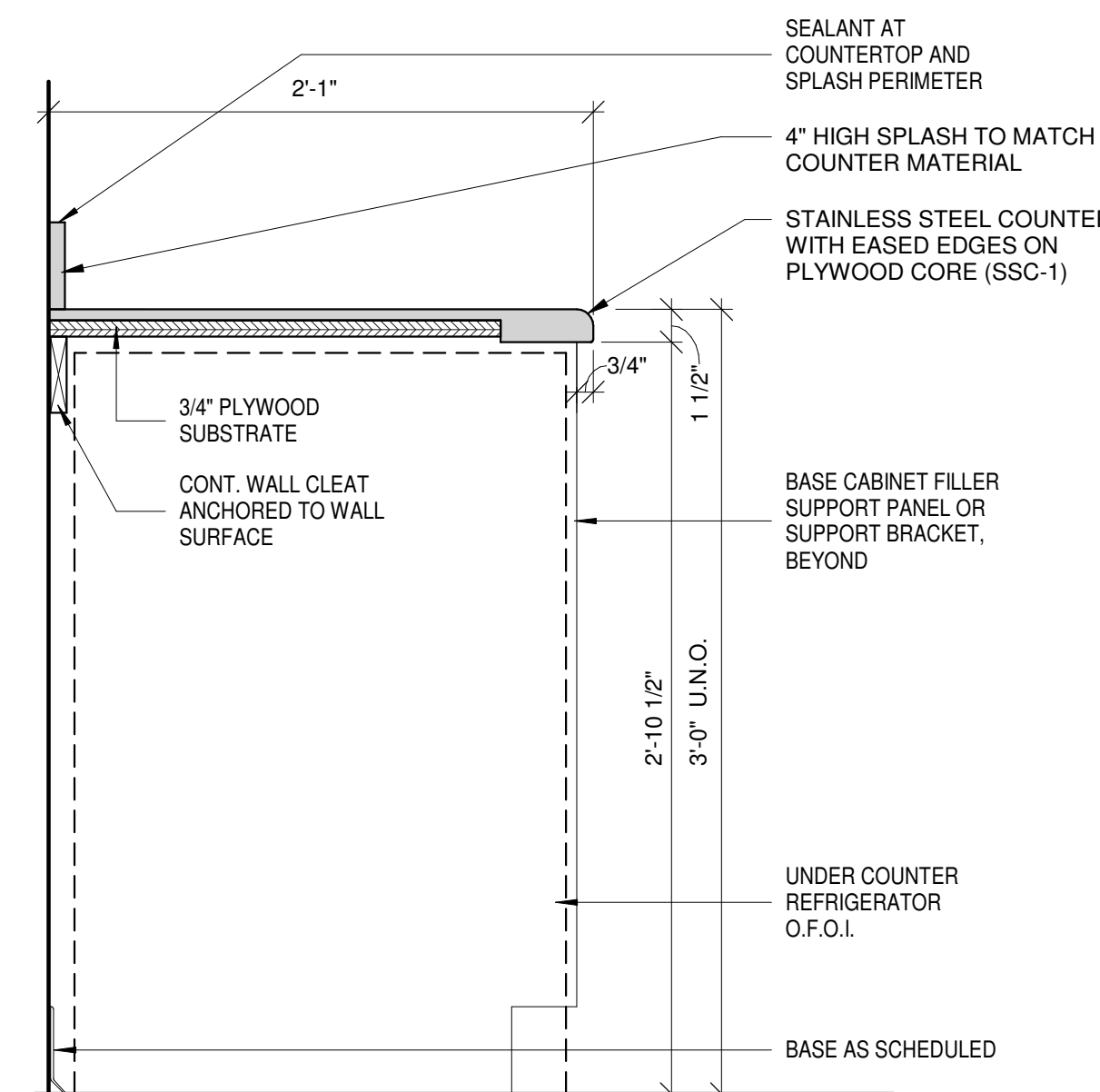
Drawn By CAS	
Checked By CAS	
Client Number 948	
Project Number 7383	

DRAWING TITLE
**CASEWORK
SECTIONS AND
DETAILS**

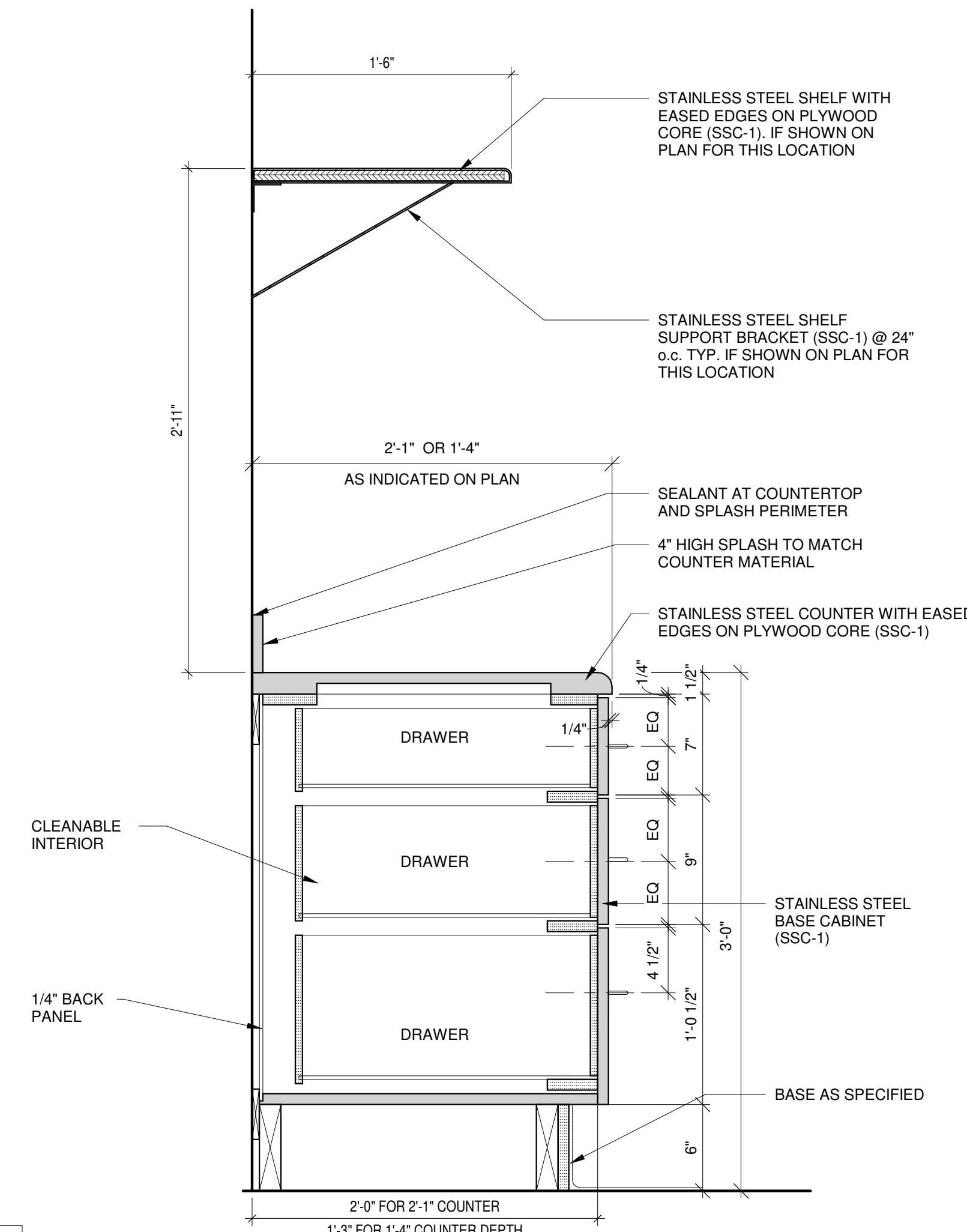
SHEET NO.

A-540

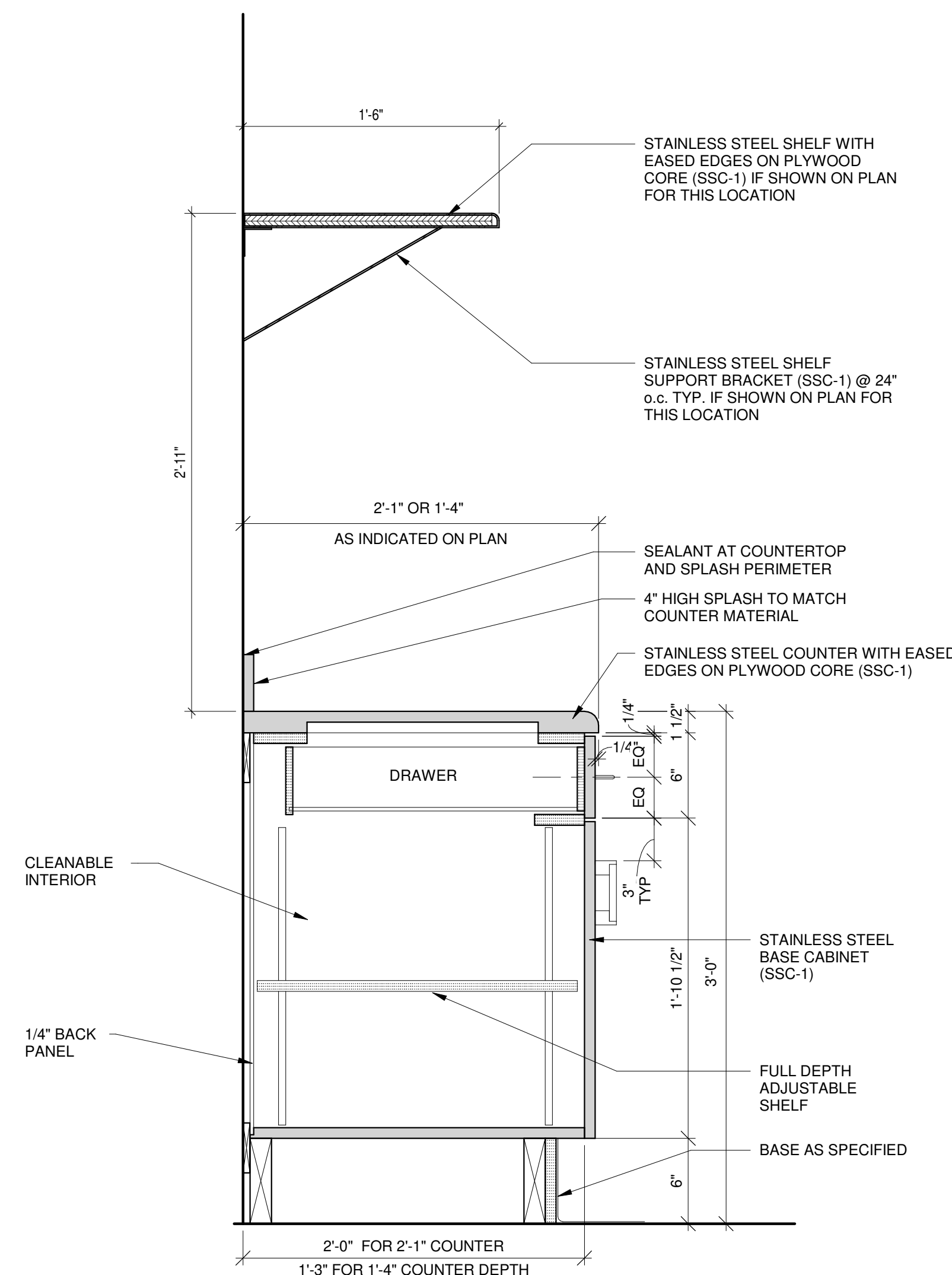
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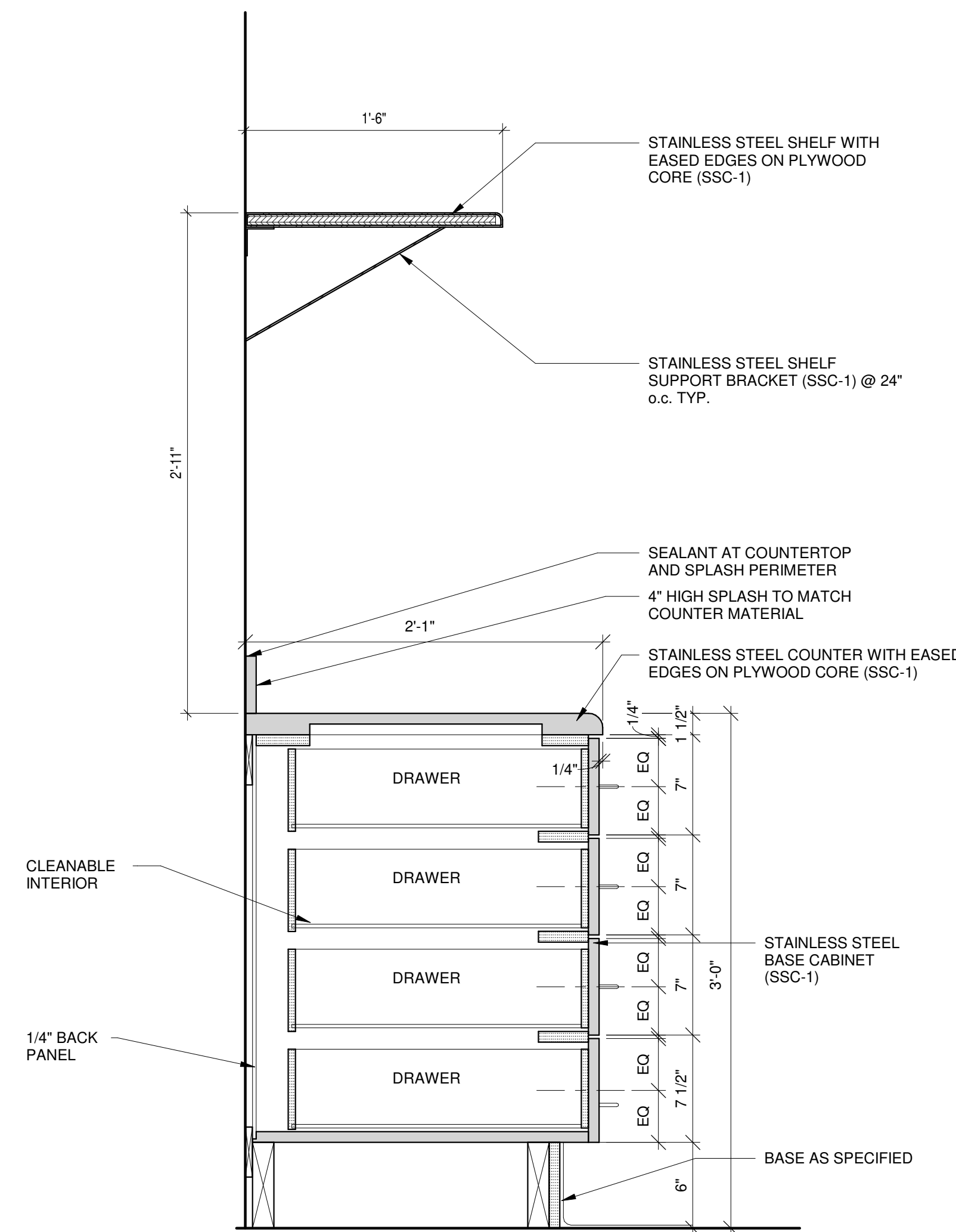
5 TYP UNDERCOUNTER FRIDGE
A-540 1 1/2" = 1'-0"



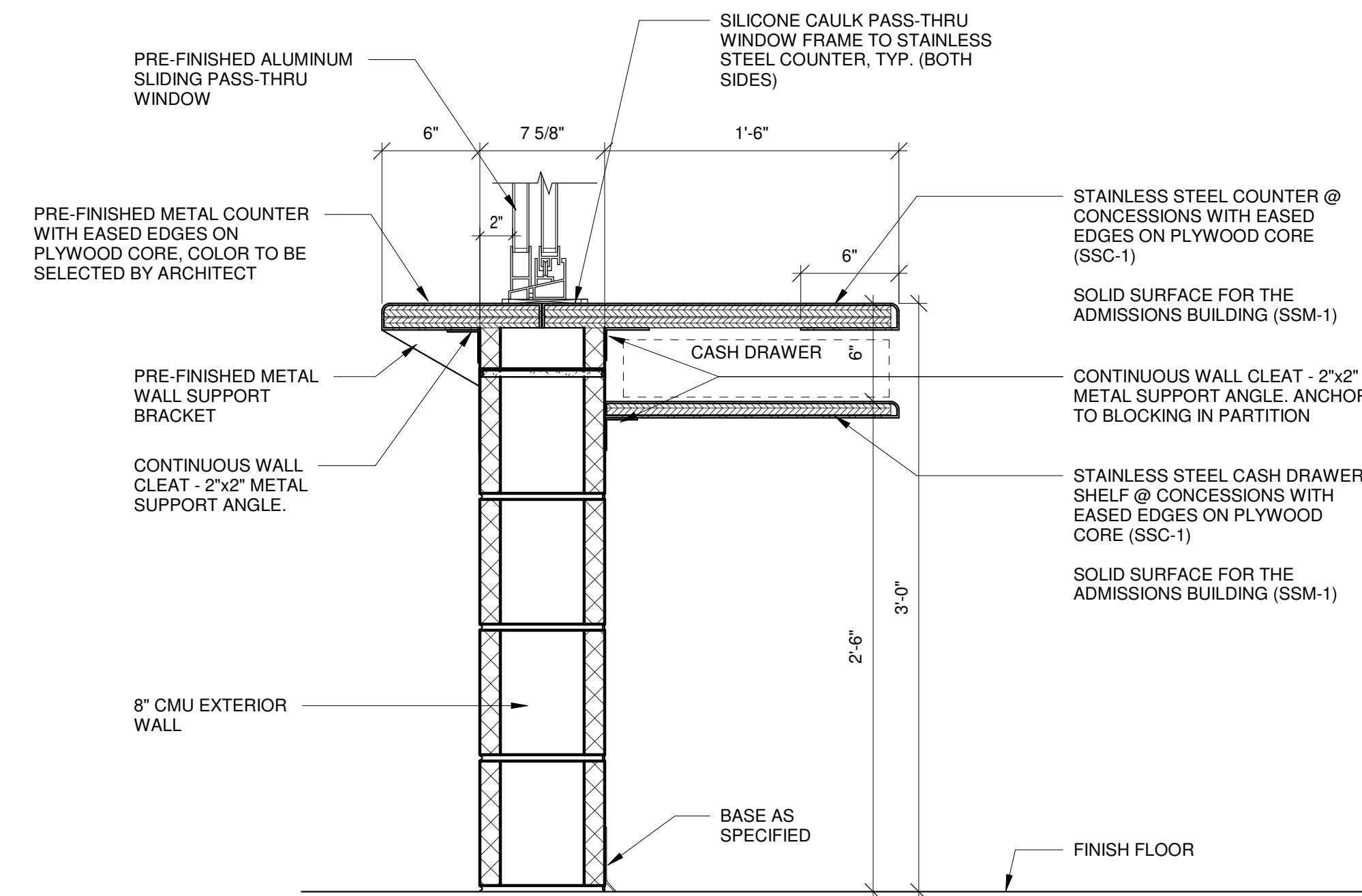
4 Concessions Base (3) Drawer
A-540 1 1/2" = 1'-0"



3 CASEWORK DETAIL
A-540 1 1/2" = 1'-0"

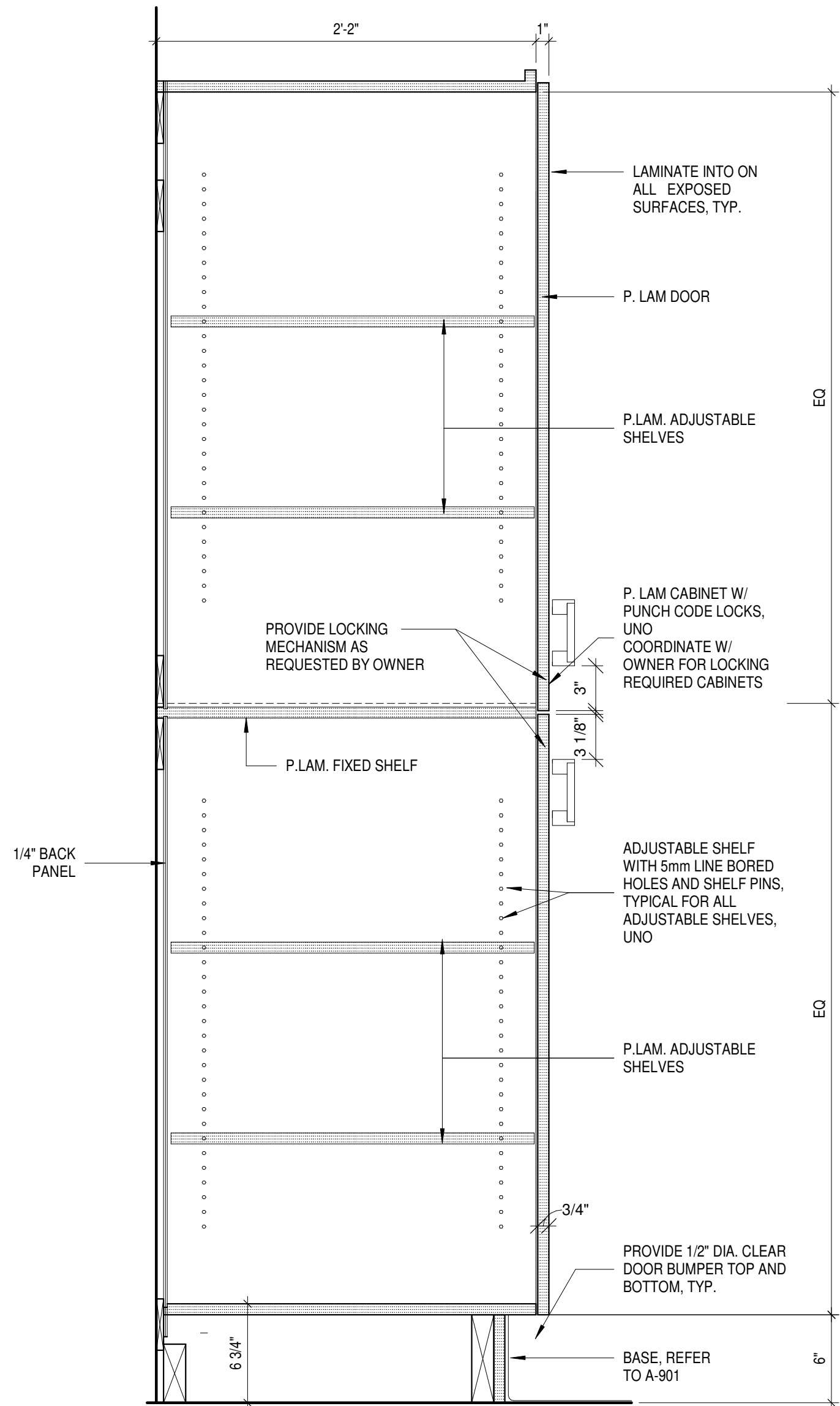


2 CASEWORK DETAIL
A-540 1 1/2" = 1'-0"

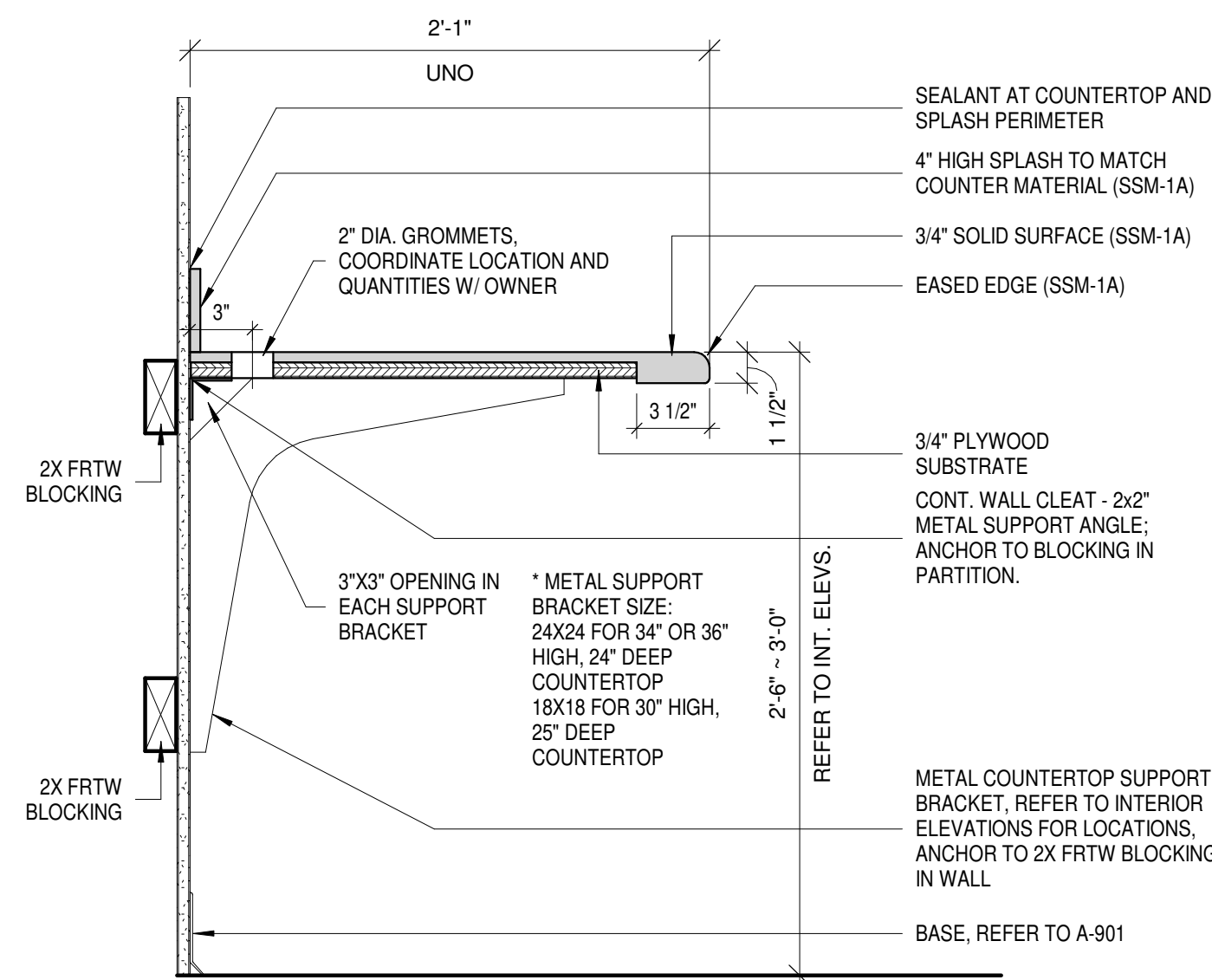


1 CASEWORK DETAIL
A-540 1 1/2" = 1'-0"

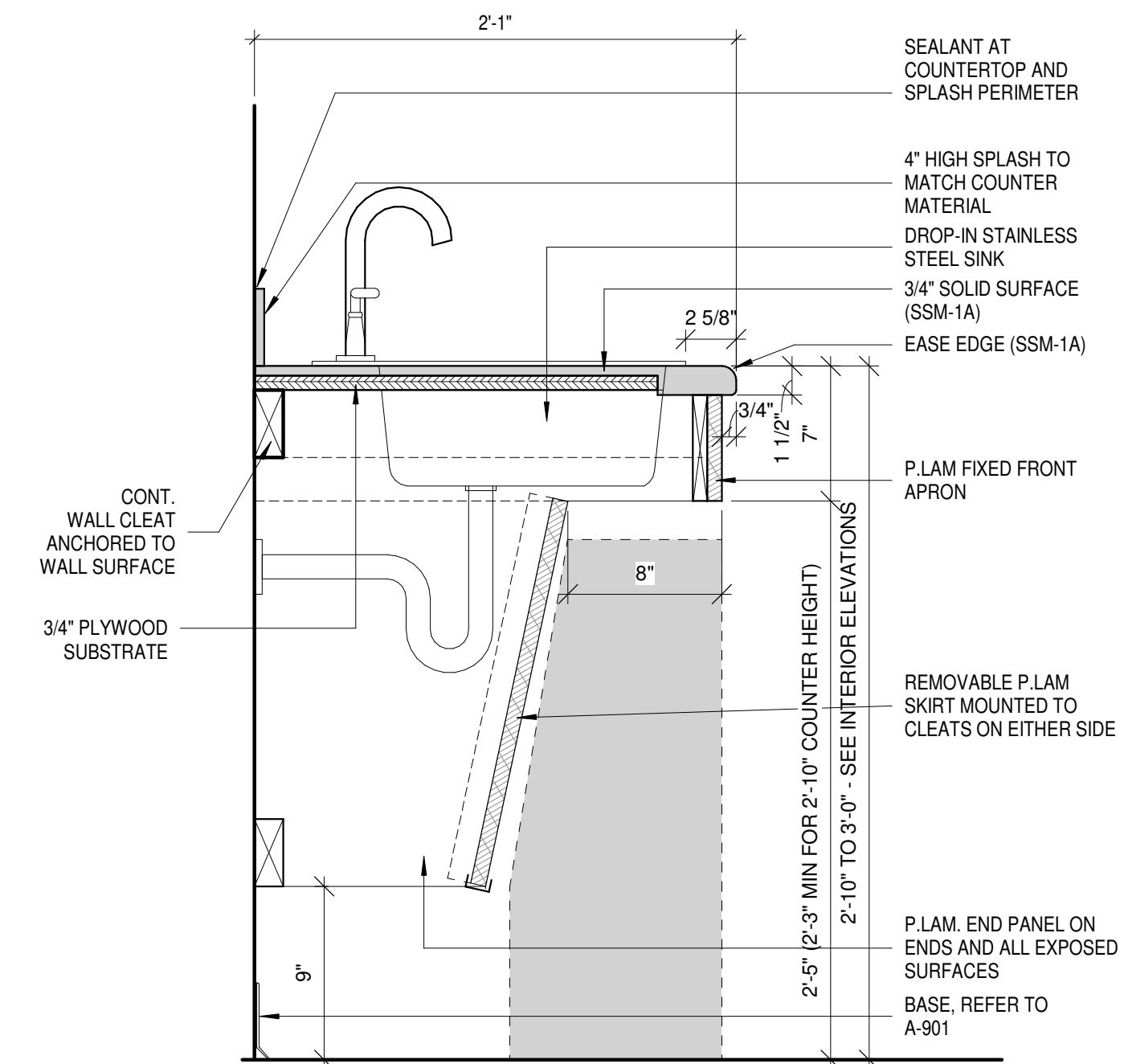
ISSUED FOR CONSTRUCTION



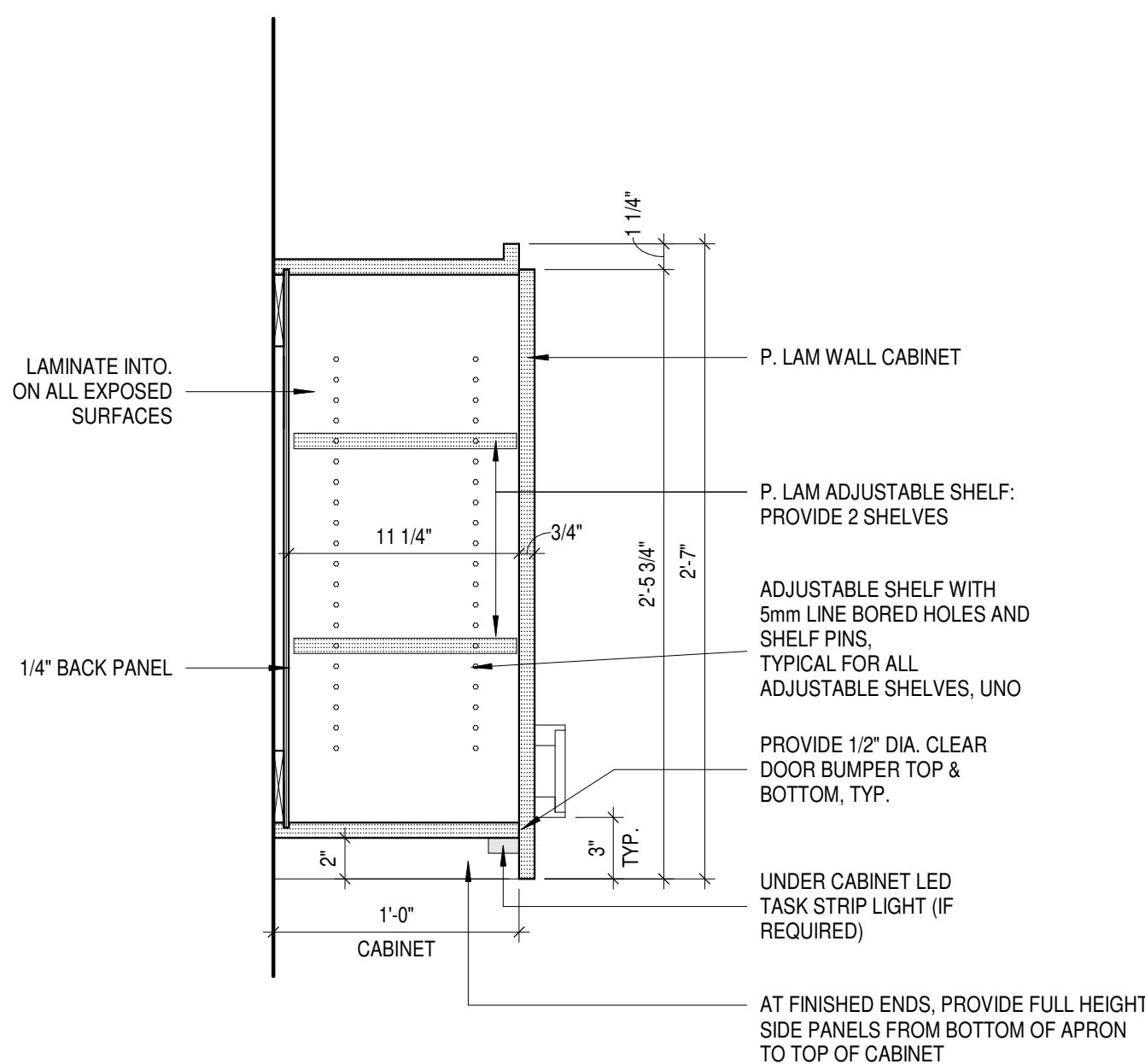
5 FULL HEIGHT CABINET SECTION
A-541 1 1/2" = 1'-0"



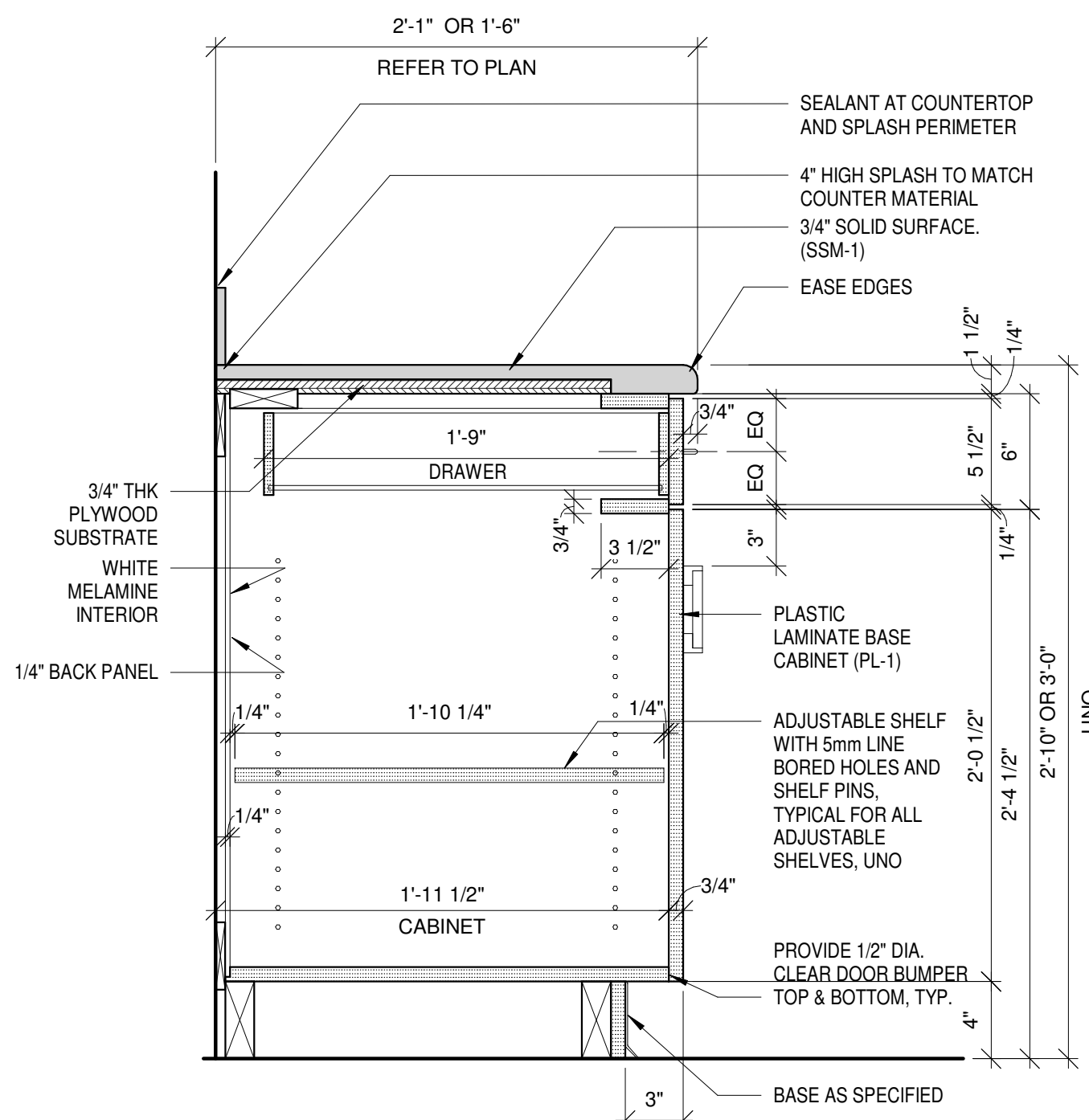
4 TYP COUNTER DETAIL
A-541 1 1/2" = 1'-0"



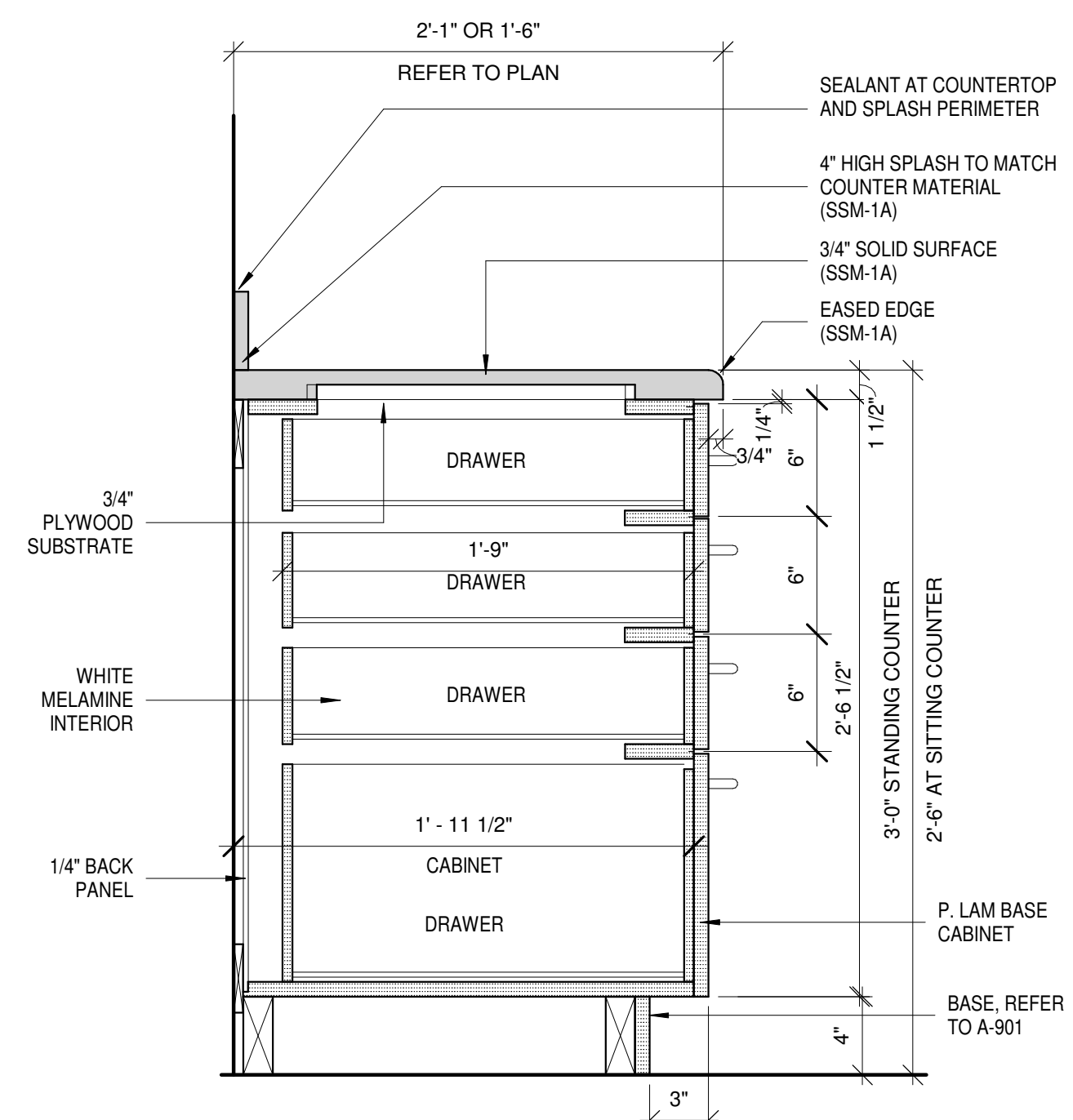
3 TYP CASEWORK SINK WITH SKIRT
A-541 1 1/2" = 1'-0"



7 TYP WALL CABINET
A-541 1 1/2" = 1'-0"



2 TYP BASE CABINET
A-541 1 1/2" = 1'-0"



1 TYP 4 DRAWER BASE CABINET
A-541 1 1/2" = 1'-0"

ISSUED FOR CONSTRUCTION

ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By

CAS

Checked By

CAS

Client

Number

948

Project

Number

7383

DRAWING TITLE

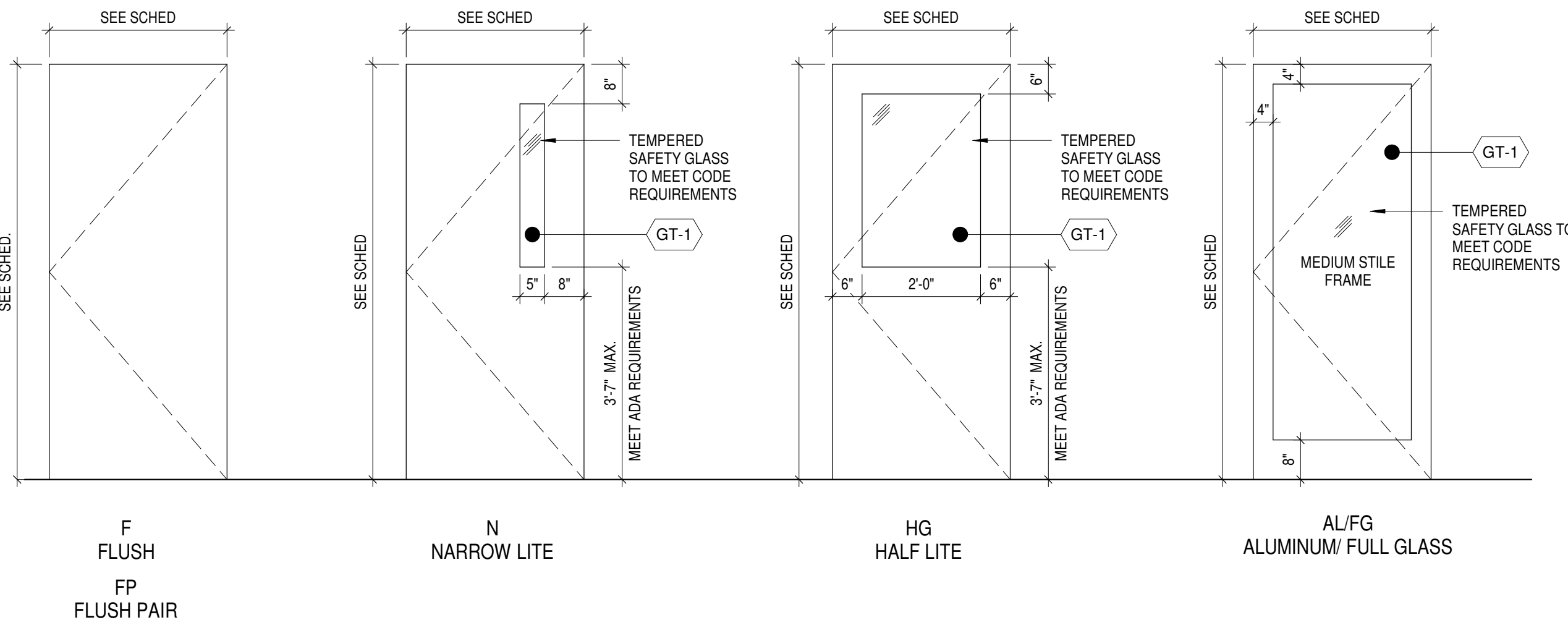
CASEWORK

SECTIONS AND

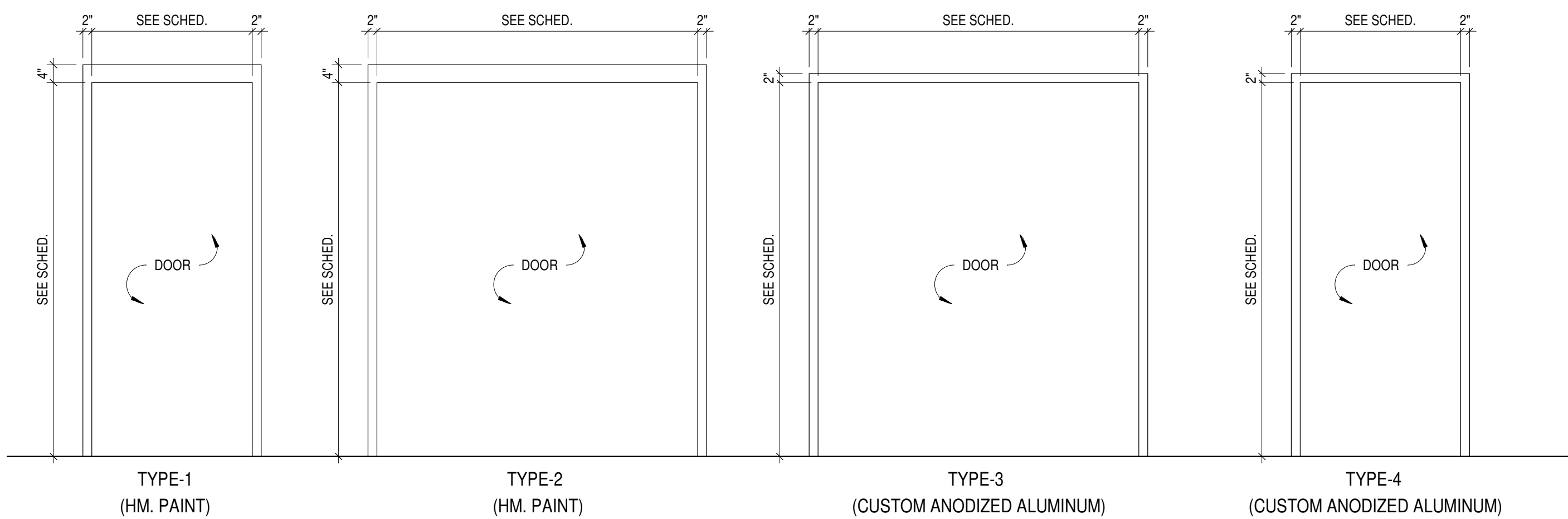
DETAILS

SHEET NO.

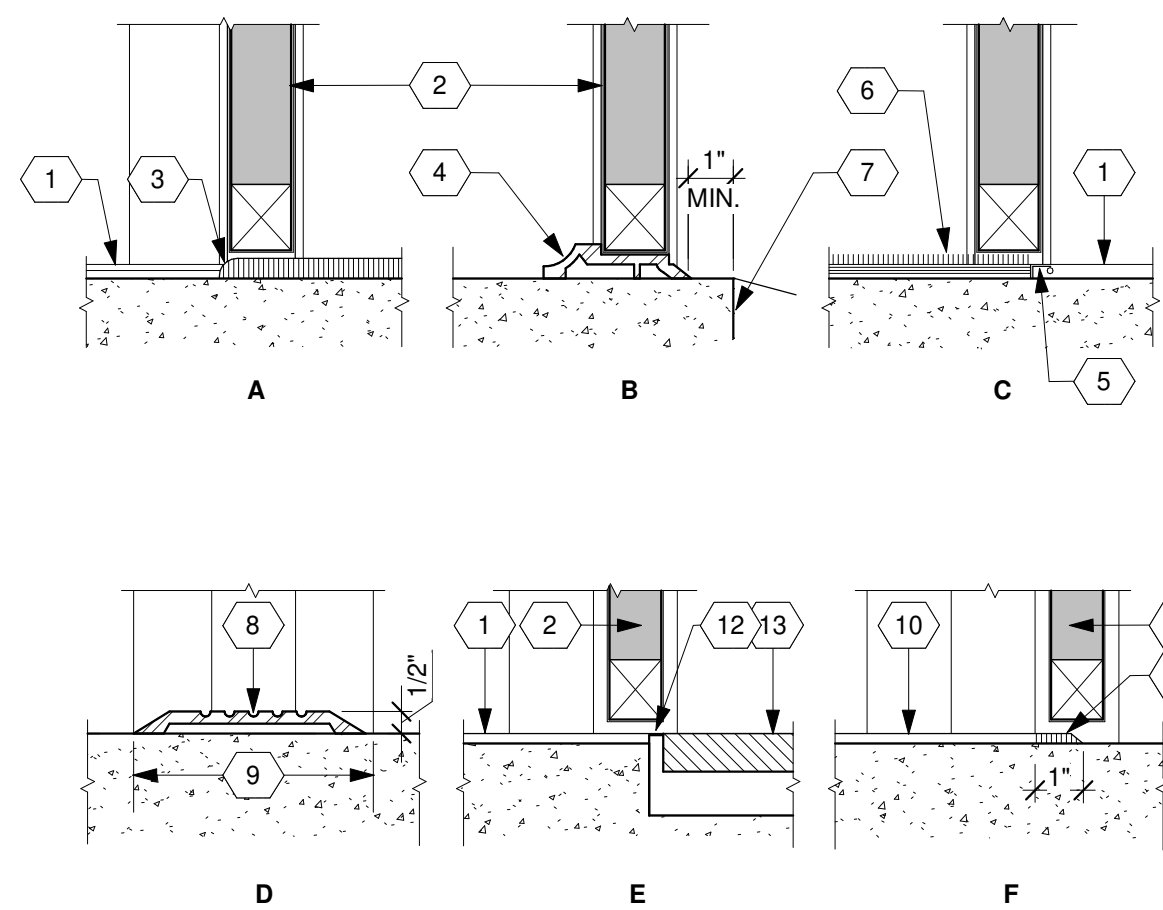
A-541



TYPICAL DOOR TYPES



TYPICAL DOOR FRAMES TYPES



- DISSIMILAR FLOOR FINISH MATERIAL.
- SCHEDULED DOOR. SEE OPENING SCHEDULE.
- SELF EDGING TILE AT THINSET CERAMIC TILE FLOOR FINISH. BULLNOSE TILE AT THICKSET TILE.
- BULKHEAD THRESHOLD W/ INTEG. GASKET. SEE OPENING SCHEDULE & SCHEDULE REMARKS FOR LOCATIONS.
- BINDER BAR AT CARPET TERMINATION CONTINUOUS ACROSS OPENING. ALIGN WITH EDGE OF DOOR STOP.
- CARPET. SEE FINISH SCHEDULE.
- FOR TYPE. STRUCT. SLAB EDGE AT EXTERIOR DOORS. SEE SITE PLAN FOR JOINING SIDEWALKS & PAVING.
- ALUMINUM FLAT SADDLE THRESHOLD-SEE OPENING SCHEDULES FOR LOCATIONS.
- DOOR FRAME WIDTH.
- VINYL COMPOSITION TILE OR SIMILAR FLOOR FINISH.
- REDUCER STRIP, UNLESS OTHERWISE SCHEDULED.
- METAL EDGE OR FEATURE STRIP. BED SET FLOOR FINISH MATERIAL REQUIRING A SLAB DEPRESSION.

1 DOOR SILLS 1
A-601 1/8" = 1'-0"

2 DOOR HARDWARE MTG HTS
A-601 1/8" = 1'-0"

3 DOOR FRAMING DETAILS1
A-601 3/8" = 1'-0"

DOOR HARDWARE:
REFER TO SPECIFICATION SECTION 08 71 00 FOR DOOR
HARDWARE BREAKDOWN BY SET NUMBER

DOOR SCHEDULE													
MARK	DOOR				FRAME		DETAIL		FIRE RATING	HW SET	ACCESS CONTROL	COMMENTS	
	W	H	THK	TYPE	MAT	TYPE	MAT	HEAD					JAMB
1001	3'-0"	7'-0"	1 3/4"	HG	HM.	1	HM.	5/A-602	4/A-602	---	Set 010	YES	
1002A	5'-0"	7'-0"	1 3/4"	FP	EXIST.	EXIST.	EXIST.	---	---	---	Set 005	---	PAINT
1002B	3'-0"	7'-0"	1 3/4"	F	EXIST.	EXIST.	EXIST.	---	---	---	Set 014	---	PAINT
1003A	3'-0"	7'-0"	1 3/4"	F	EXIST.	EXIST.	EXIST.	---	---	---	Set 021	---	PAINT
1004	6'-0"	7'-0"	1 3/4"	FP	HM.	2	HM.	5/A-602	4/A-602	---	Set 003	YES	
1007	3'-0"	7'-0"	1 3/4"	F	EXIST.	EXIST.	EXIST.	---	---	---	Set 012	YES	PAINT
1008	3'-0"	7'-0"	1 3/4"	F	EXIST.	EXIST.	EXIST.	---	---	---	Set 024	---	PAINT
1009	3'-0"	7'-0"	1 3/4"	F	EXIST.	EXIST.	EXIST.	---	---	---	Set 015	---	PAINT
1010	6'-0"	7'-0"	1 3/4"	FP	HM.	2	HM.	5/A-602	4/A-602	---	Set 006	---	
1011	3'-0"	7'-0"	1 3/4"	F	EXIST.	EXIST.	EXIST.	---	---	---	Set 016	---	PAINT
1012	3'-0"	7'-0"	1 3/4"	F	EXIST.	EXIST.	EXIST.	---	---	---	Set 026	---	PAINT
1020A	5'-0"	7'-0"	1 3/4"	FP	EXIST.	EXIST.	EXIST.	---	---	---	Set 005	---	PAINT
1020B	3'-0"	7'-0"	1 3/4"	F	EXIST.	EXIST.	EXIST.	---	---	---	Set 014	---	PAINT
1021A	3'-0"	7'-0"	1 3/4"	F	EXIST.	EXIST.	EXIST.	---	---	---	Set 021	---	PAINT
1022A	3'-0"	7'-0"	1 3/4"	F	HM.	1	HM.	5/A-602	4/A-602	---	Set 011	YES	
1022B	8'-0"	8'-0"	0"	---	---	---	---	2/A-602	3/A-602	---	Set 027	---	INSULATED OVERHEAD ROLLING DOOR
1023	6'-0"	7'-0"	1 3/4"	FP	HM.	2	HM.	5/A-602	4/A-602	---	Set 003	YES	
1024	3'-0"	7'-0"	1 3/4"	F	EXIST.	EXIST.	EXIST.	---	---	---	Set 019	YES	PAINT
1025	3'-0"	7'-0"	1 3/4"	F	EXIST.	EXIST.	EXIST.	---	---	---	Set 025	---	PAINT
1026	3'-0"	7'-0"	1 3/4"	F	HM.	1	HM.	5/A-602	4/A-602	---	Set 020	---	
1027A	3'-0"	7'-0"	1 3/4"	N	HM.	1	HM.	5/A-602	4/A-602	---	Set 017	YES	
1027B	3'-0"	7'-0"	1 3/4"	F	HM.	1	HM.	5/A-602	4/A-602	---	Set 011	YES	
1027C	3'-0"	7'-0"	1 3/4"	N	HM.	1	HM.	5/A-602	4/A-602	---	Set 018	YES	
1028A	6'-0"	7'-2"	1 3/4"	FG	AL	3	AL	8/A-602	7/A-602	---	Set 001	YES	
1028B	6'-0"	7'-2"	1 3/4"	FG	AL	3	AL	8/A-602	7/A-602	---	Set 001	YES	
1029A	3'-0"	7'-2"	1 3/4"	FG	AL	4	AL	8/A-602	7/A-602	---	Set 002	YES	
1029B	3'-0"	7'-0"	1 3/4"	N	HM.	1	HM.	5/A-602	4/A-602	---	Set 023	---	
1030	3'-0"	7'-0"	1 3/4"	F	EXIST.	EXIST.	EXIST.	---	---	---	Set 022	---	PAINT
1031	5'-0"	7'-0"	1 3/4"	FP	EXIST.	EXIST.	EXIST.	---	---	---	Set 007	---	PAINT
1032	5'-0"	7'-0"	1 3/4"	FP	EXIST.	EXIST.	EXIST.	---	---	---	Set 007	---	PAINT
1033	6'-0"	7'-0"	1 3/4"	FP	HM.	2	HM.	5/A-602	4/A-602	---	Set 006	---	
1034	3'-0"	7'-0"	1 3/4"	F	EXIST.	EXIST.	EXIST.	---	---	---	Set 016	---	PAINT
2001A	3'-0"	7'-0"	1 3/4"	F	EXIST.	EXIST.	EXIST.	---	---	---	Set 013	YES	PAINT
2001B	3'-0"	7'-0"	1 3/4"	F	HM.	1	HM.	5/A-602	4/A-602	---	Set 011	YES	
2001C	8'-0"	8'-0"	0"	---	EXIST.	EXIST.	EXIST.	---	---	---	Set 027	---	EXISTING ROOL UP DOOR
2002A	3'-0"	7'-0"	1 3/4"	F	EXIST.	EXIST.	EXIST.	---	---	---	Set 008	YES	PAINT
2002B	3'-0"	7'-0"	1 3/4"	F	EXIST.	EXIST.	EXIST.	---	---	---	Set 009	---	PAINT
2003	6'-0"	7'-0"	1 3/4"	FP	EXIST.	EXIST.	EXIST.	---	---	---	Set 004	YES	PAINT
2004	8'-0"	7'-0"	1 3/4"	FP	HM.	2	HM.	5/A-602	4/A-602	---	Set 003	YES	180 DEG SWING
2005	3'-0"	7'-0"	1 3/4"	F	HM.	1	HM.	5/A-602	4/A-602	---	Set 011	YES	

GENERAL DOOR NOTES:

- DOOR CYLINDERS AND KEYS TO BE "SARGENT" AND PAIRED TO THE CITY OF MIAMISBURG STANDARDS. GC TO SCHEDULE KEYING MEETING PER SPECIFICATIONS.
- NEW HOLLOW METAL DOOR NOTES : APPLICATION BASED ON CITY OF MIAMISBURG STANDARDS.
 - INSULATED HOLLOW METAL DOORS.
 - PRIME FINISHED READY FOR PAINT.
- MOUNT ANY KICKPLATES ON PUSH SIDE OF DOOR.
- UNDER CUT DOOR MAX. 3/4" U.N.O.
- DOOR ACCESS CONTROL SYSTEMS FOR FACILITIES SECURITY REQUIREMENTS TO MEET OWNERS STANDARDS. GC TO PROVIDE ALL PATHWAYS AND LOW VOLTAGE WIRING AT A MINIMUM. OWNER RESERVES THE RIGHT TO HAVE THE GC INSTALL THE FINAL DEVICES OR CONTRACT DIRECTLY WITH THEIR SERCUITY COMPANY THE FINAL DEVICE INSTALLATION.
- KICKPLATES TO BE MOUNTED A MAX. OF 1/4" OFF THE BOTTOM EDGE OF THE DOOR.
- GENERAL CONTRACTOR / DEVELOPER TO PURCHASE ALL DOOR HARDWARE KEY CYLINDER CORES. CORES SHALL BE TURNED OVER TO CITY OF MIAMISBURG MAINTENANCE FOR KEYING AND INSTALATION AFTER THE PROJECT HAS BEEN TURNED OVER TO THE CITY OF MIAMISBURG.
- GC TO CONTACT "COMFORT SYSTEMS" FOR DOOR ACCESS CONTROL COORDINATION AND INSTALLATION. ACCESS CARD LOCATIONS ARE SHOWN ON DRAWINGS TO PROVIDE PATHWAYS ONLY . CONTACT INFORMATION IS
TONY MARINO
CELL: (330) 390-3700
EMAIL: Tony.Marino@comfortsystemsusa.com

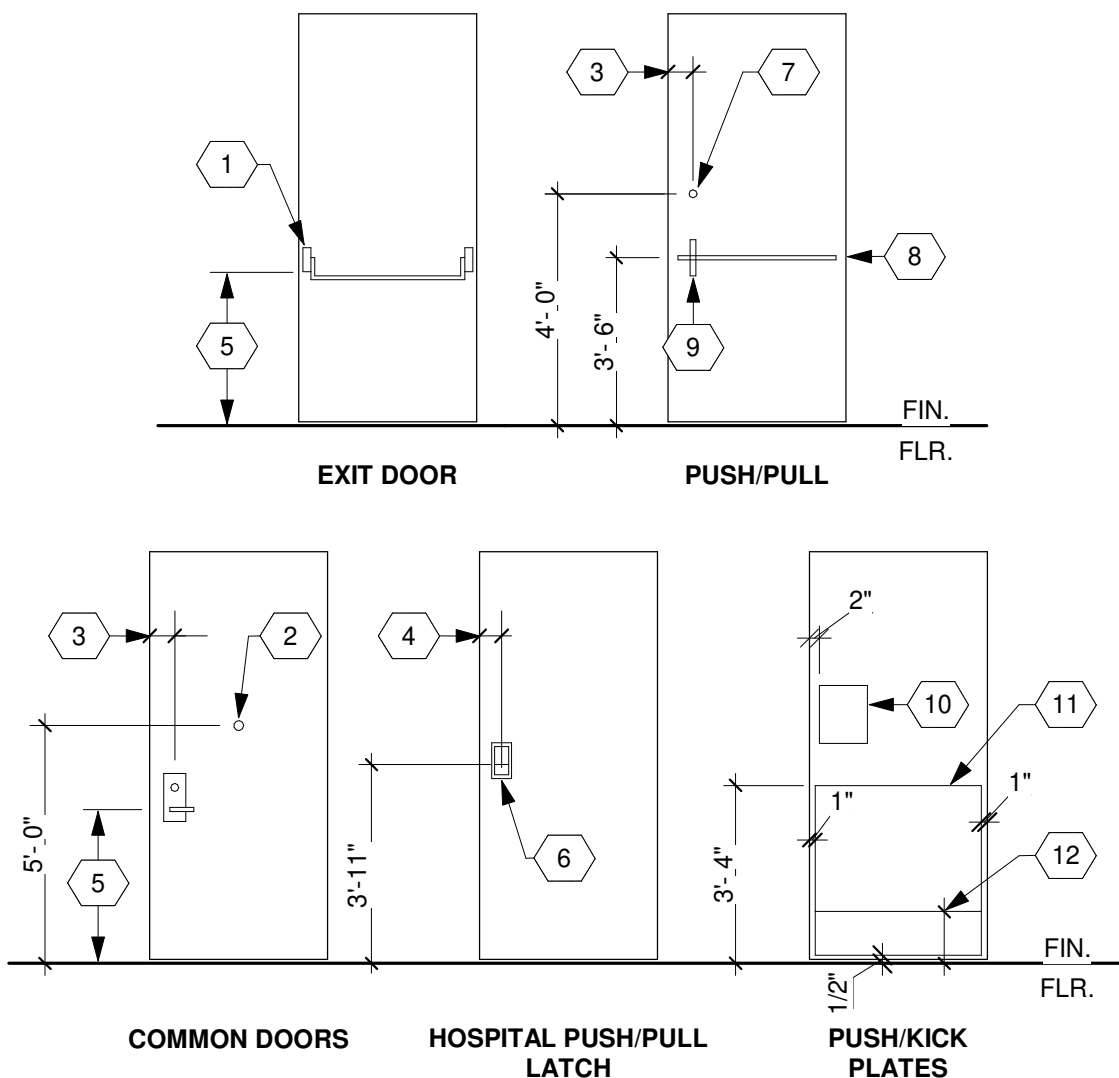
DOOR HARDWARE SCHEDULE NOTES:

- A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.
- B. Reference hardware set assignments per the drawings and provide shop drawings for review.

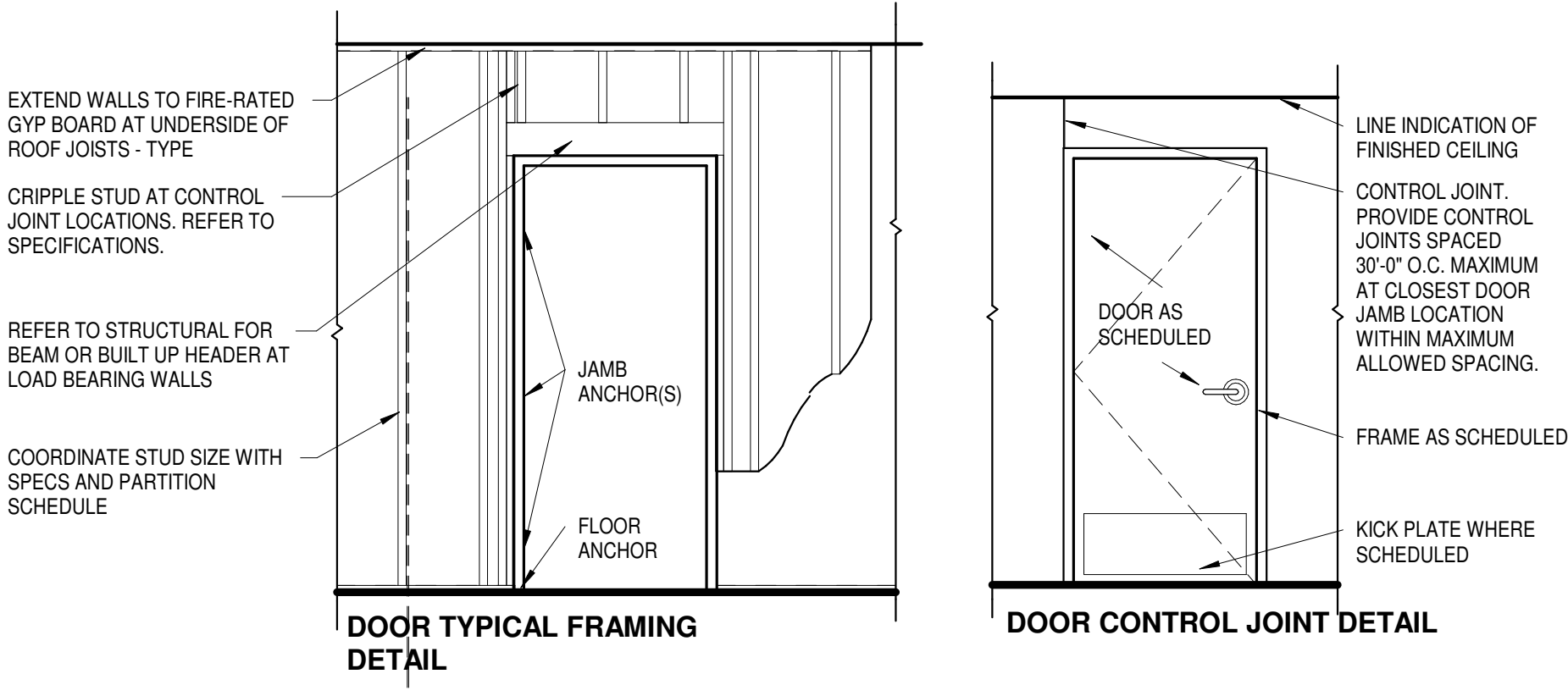
DOOR COMMENTS:

- MIN. STC 30 RATED SOUND CONTROL DOOR (NO SEALS)
- LATCHING WITH ACOUSTICAL SEALS
- CARD READER ACCESS
- UNDERCUT DOOR MAX. 3/4"
- PRIVACY HARDWARE WITH OCCUPANCY INDICATOR AND THUMB TURN
- PROVIDE AUTOMATIC DOOR DROP SEALS
- ACCESS CONTROL DOOR TO BE FAIL-SAFE
- EXISTING EXAM HARDWARE SET SHALL BE TESTED FOR FUNCTIONALITY AND REPLACE ONLY IF FOUND IN NON-WORKING ORDER

NO EGRESS DOORS WILL INHIBIT FREE EGRESS TO SAFETY. ACCESS CONTROL ONLY INSTALLED TO PROVIDE ACCESS TO SPACES. NEVER PREVENTING ACCESS FROM SPACES WITH USE OF DOOR LEVER OR PANIC BAR.



- PANIC DEVICE-SEE HARDWARE (HDW). SPECS. & OPENING SCHEDULE.
- DOOR VIEWER.
- STANDARD BACKSET. COORDINATE WITH HDW. SUPPLIER.
- BACKSET, 5". COORDINATE WITH HDW. SUPPLIER.
- STRIKE CENTERLINE @ 3'-4.
- HOSPITAL PUSH/PULL LATCH.
- DEADLOCK.
- PUSH BAR.
- PULL.
- PUSH PLATE.
- ARMORED PLATE. SEE "REMARKS TO OPENING SCHEDULE" OR HARDWARE SETS. DO NOT USE ON RATED DOORS.
- KICKPLATE. SEE HARDWARE SETS OR "REMARKS TO OPENING SCHEDULE". MAXIMUM HEIGHT - 16" A.F.F. ON RATED DOORS.



10 S Patterson Blvd
Dayton, OH 45402
T 937.224.4474




Sycamore Trails
Aquatic Center

400 S. Heincke Road
Miamisburg, 45342

ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By CAS	
Checked By CAS	
Client Number 948	
Project Number 7383	
DAVID C. GLOVER LICENSE #13805 EXPIRATION DATE 12/31/2025	

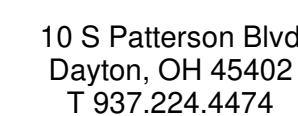
DRAWING TITLE
**DOOR SCHEDULE,
FRAMES, TYPES, AND
HARDWARE**

SHEET NO.

A-601

ISSUED FOR CONSTRUCTION

3/12/2025 1:59:05 PM



400 S. Heincke Road
Miamisburg, 45342

ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By

CAS

Checked B

CAS

Client	
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Number

94

Project
Number

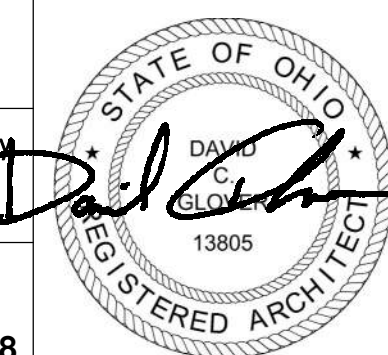
738

DRAWING T

DOOR & WINDOW DETAILS

SHEET NO.

A-602



DAVID C. GLOVER
LICENSE #13805
EXPIRATION DATE 12/31/20

3

TITLE

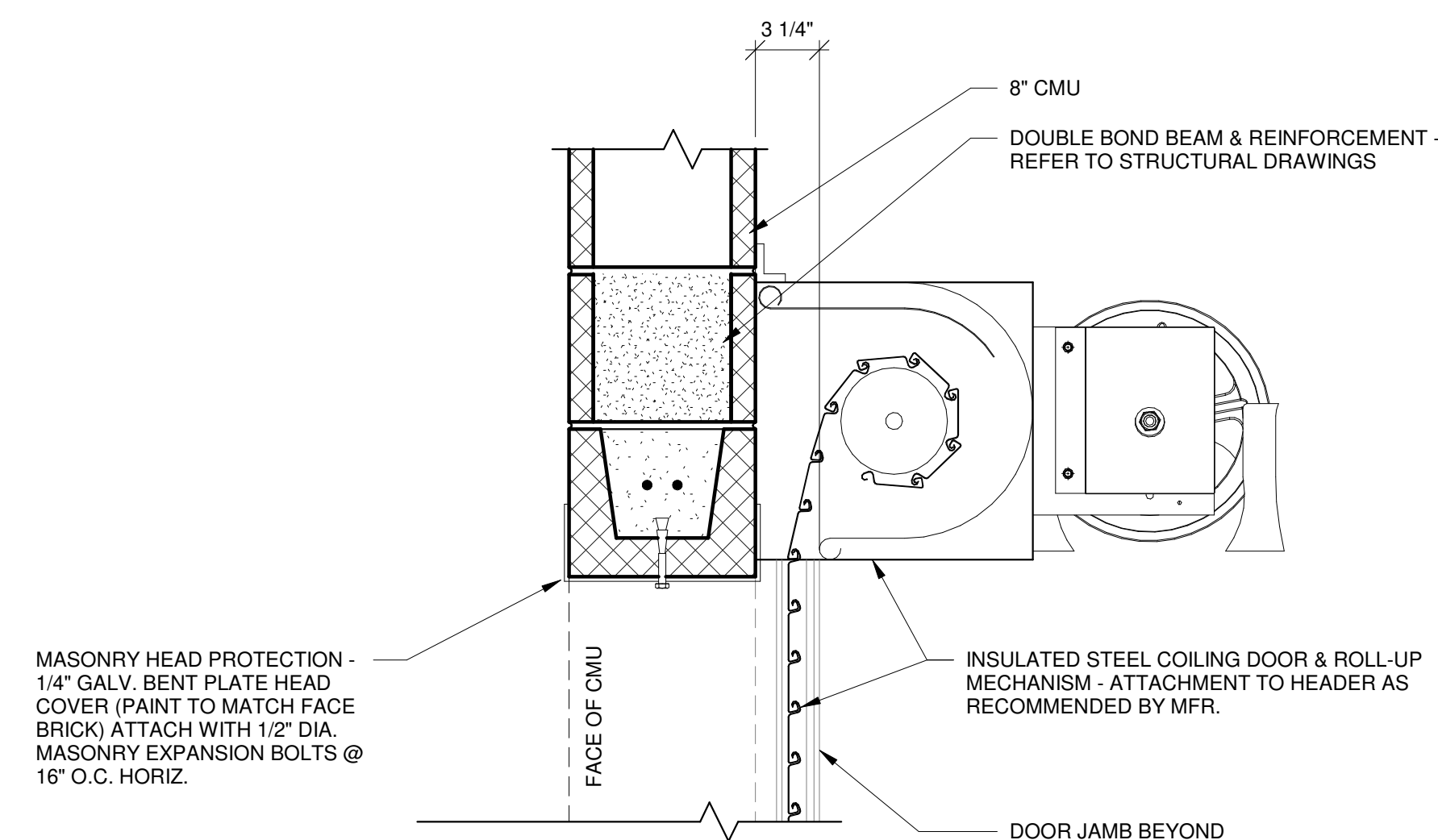
OF A WINDOW

DOOR & WINDOW DETAILS

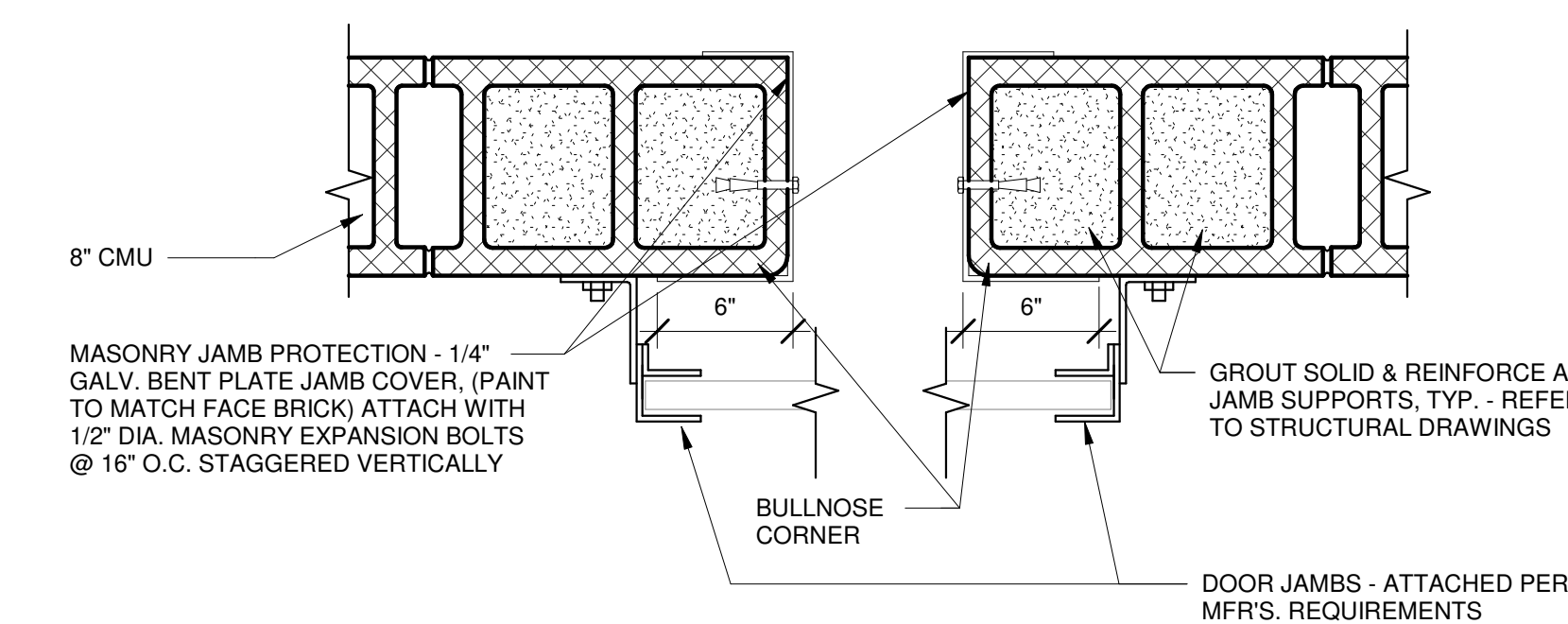
A 602

A-602

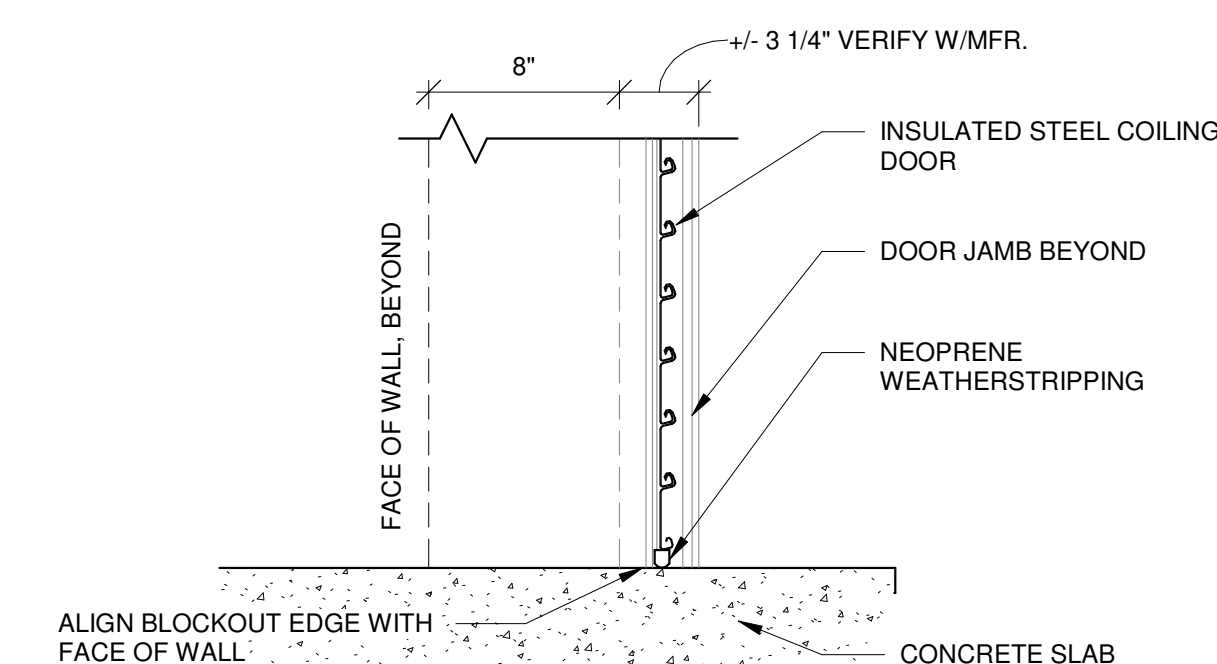
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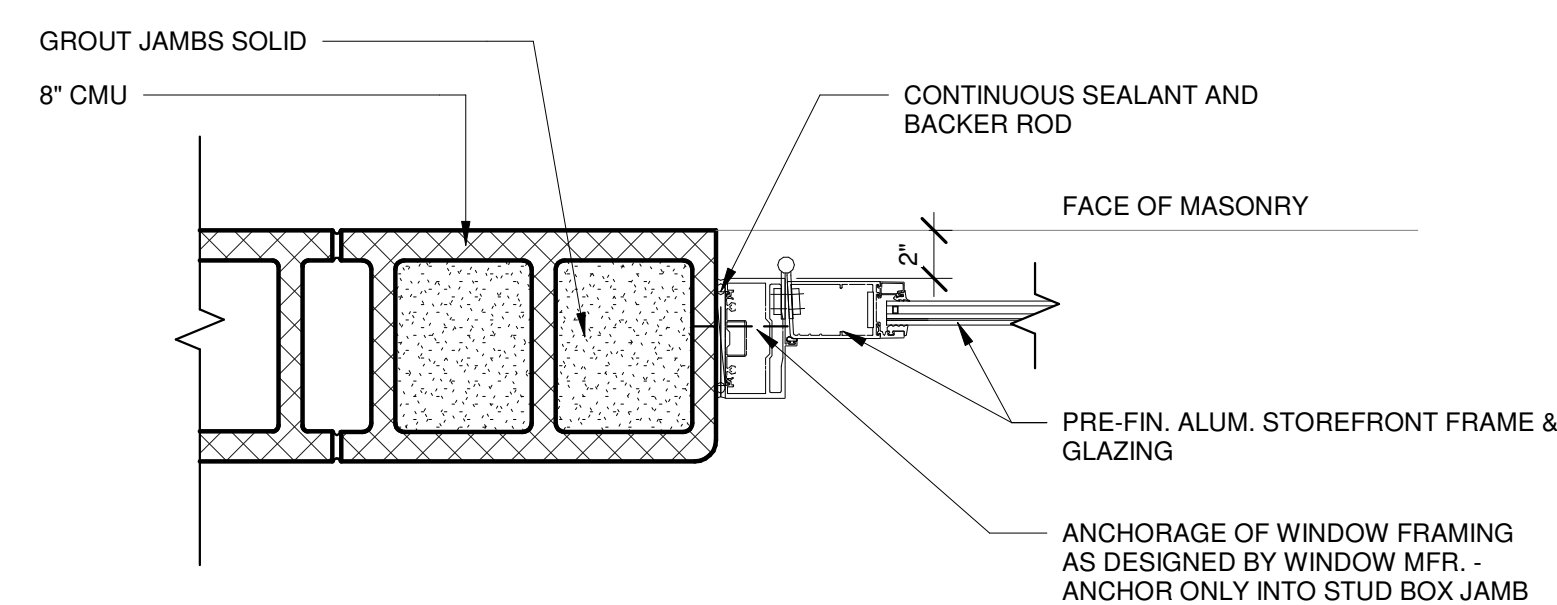
2	HEAD DETAIL
A-602	1 1/2" = 1'-0"



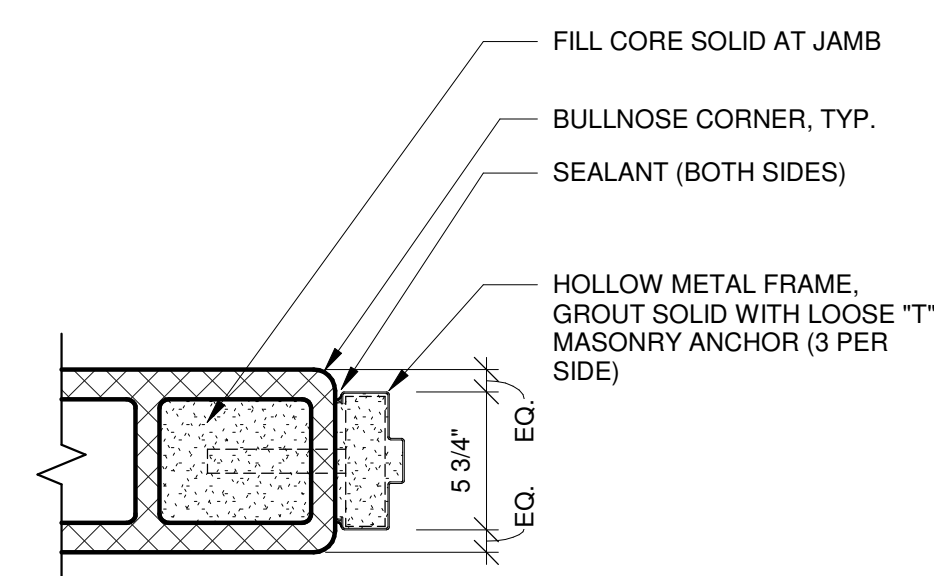
3	JAMB DETAIL
A-602	1 1/2" = 1'-0"



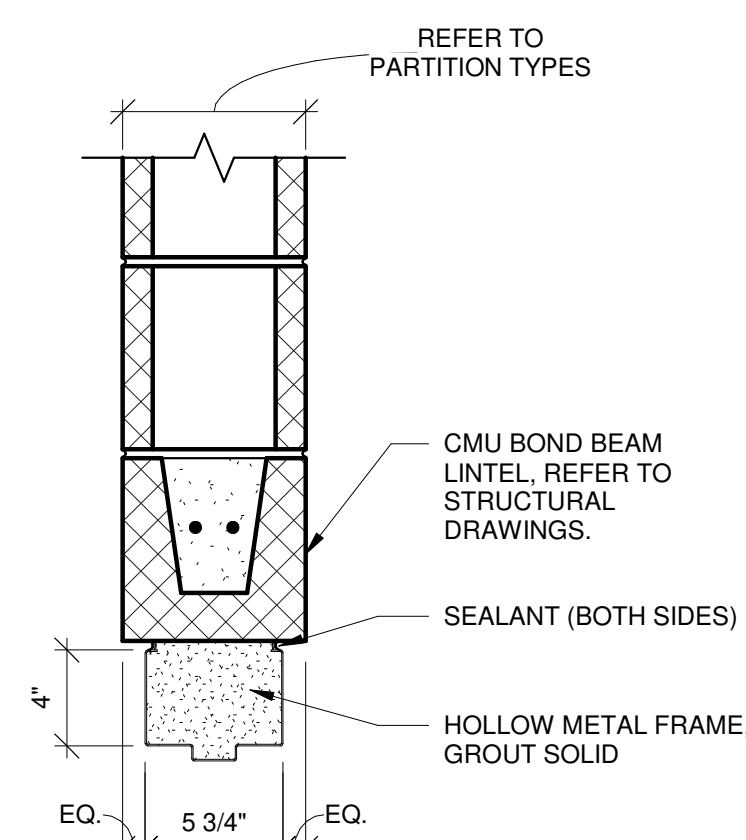
1	SILL DETAIL
A-602	1 1/2" = 1'-0"



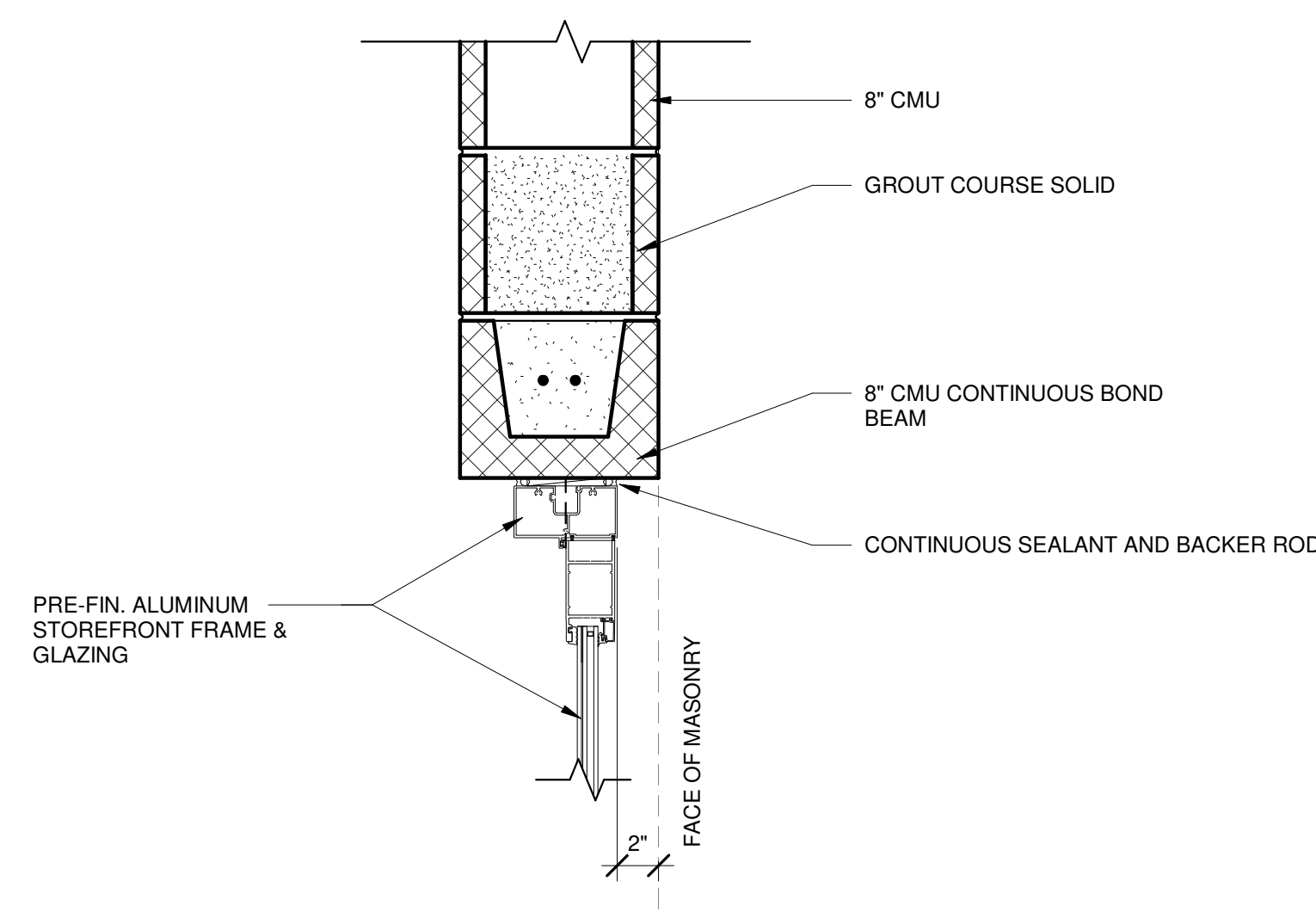
7	JAMB DETAIL
A-602	1 1/2" = 1'-0"



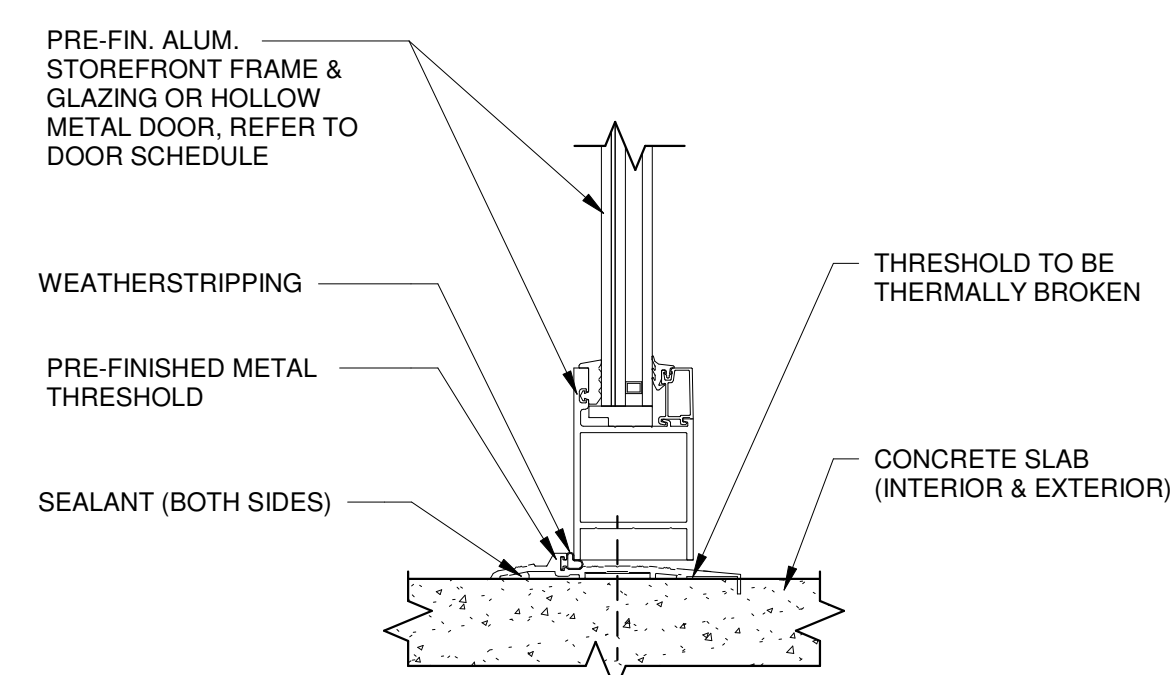
4	JAMB DETAIL
A-602	1 1/2" = 1'-0"



5	HEAD DETAIL
A-602	1 1/2" = 1'-0"



8	HEAD DETAIL
A-602	1 1/2" = 1'-0"



6	SILL DETAIL
A-602	1 1/2" = 1'-0"

ISSUED FOR CONSTRUCTION

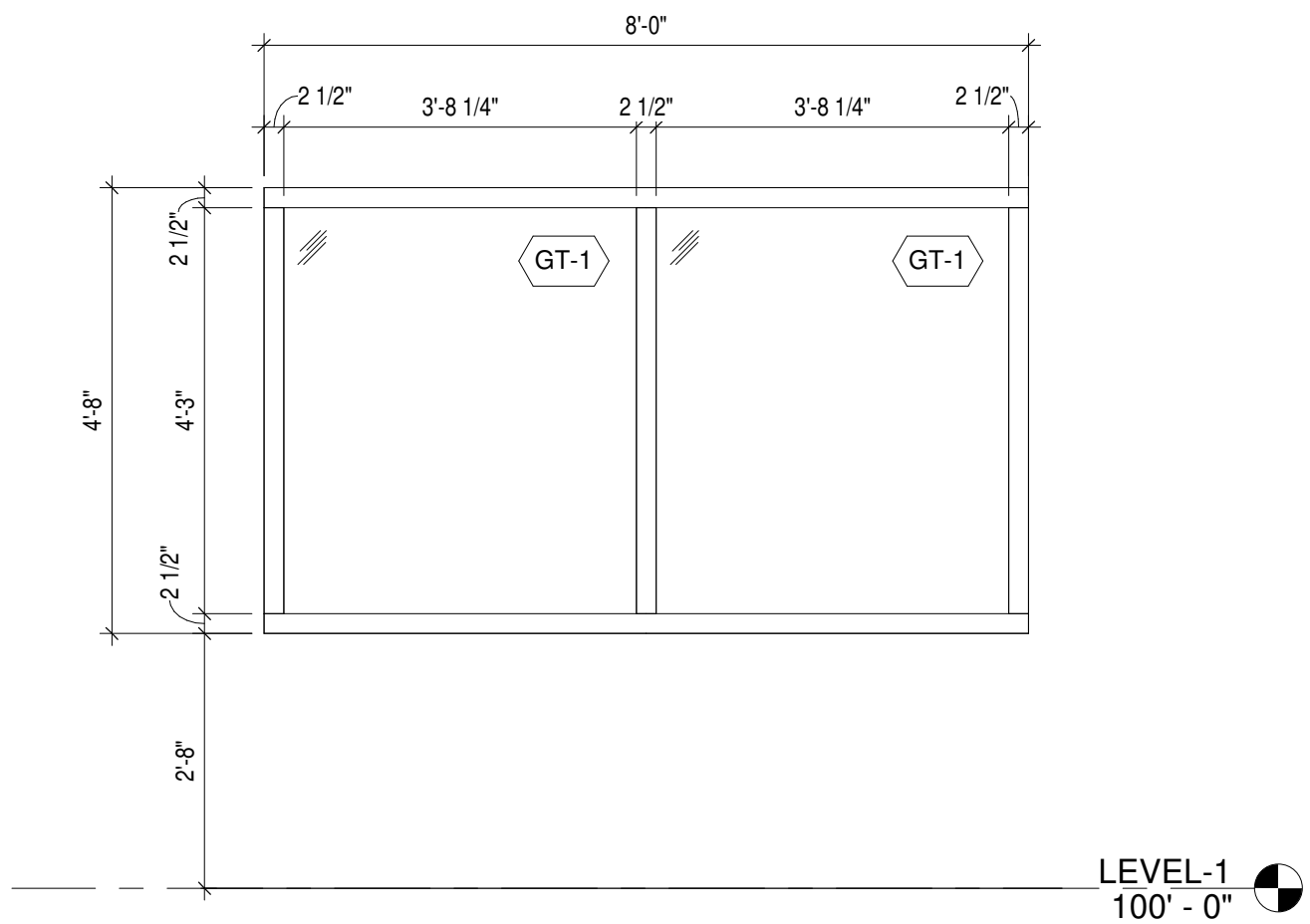
DOOR & WINDOW GLAZING TYPES

GT-1

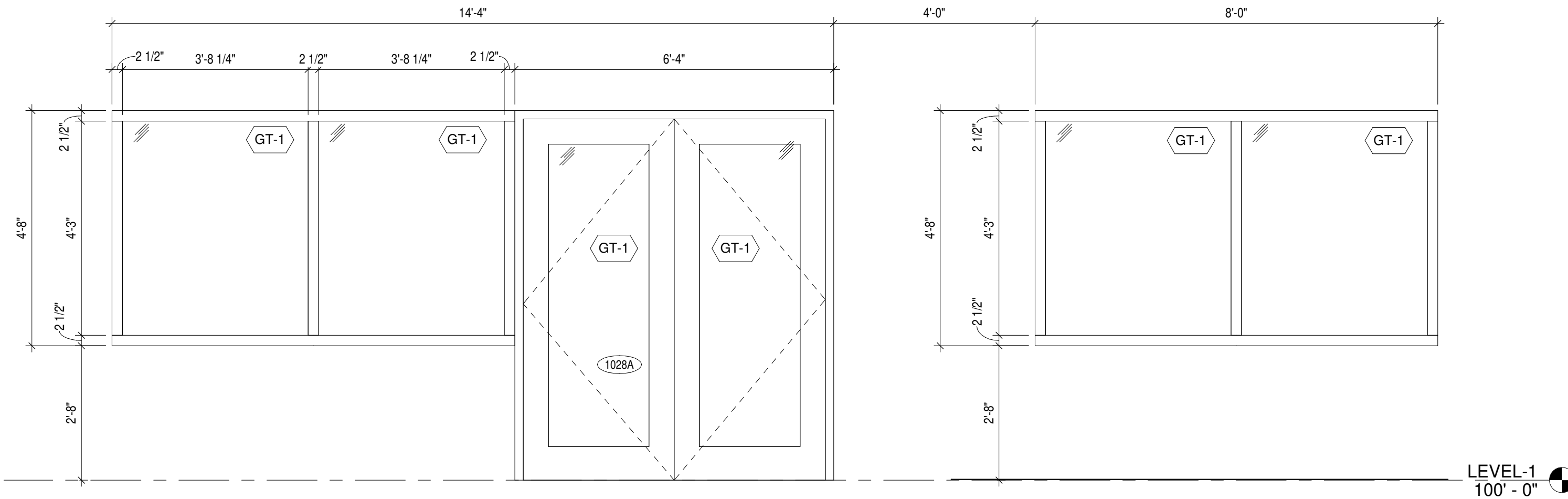
INSULATED CLEAR
TEMPERED VISION
GLAZING

GT-2

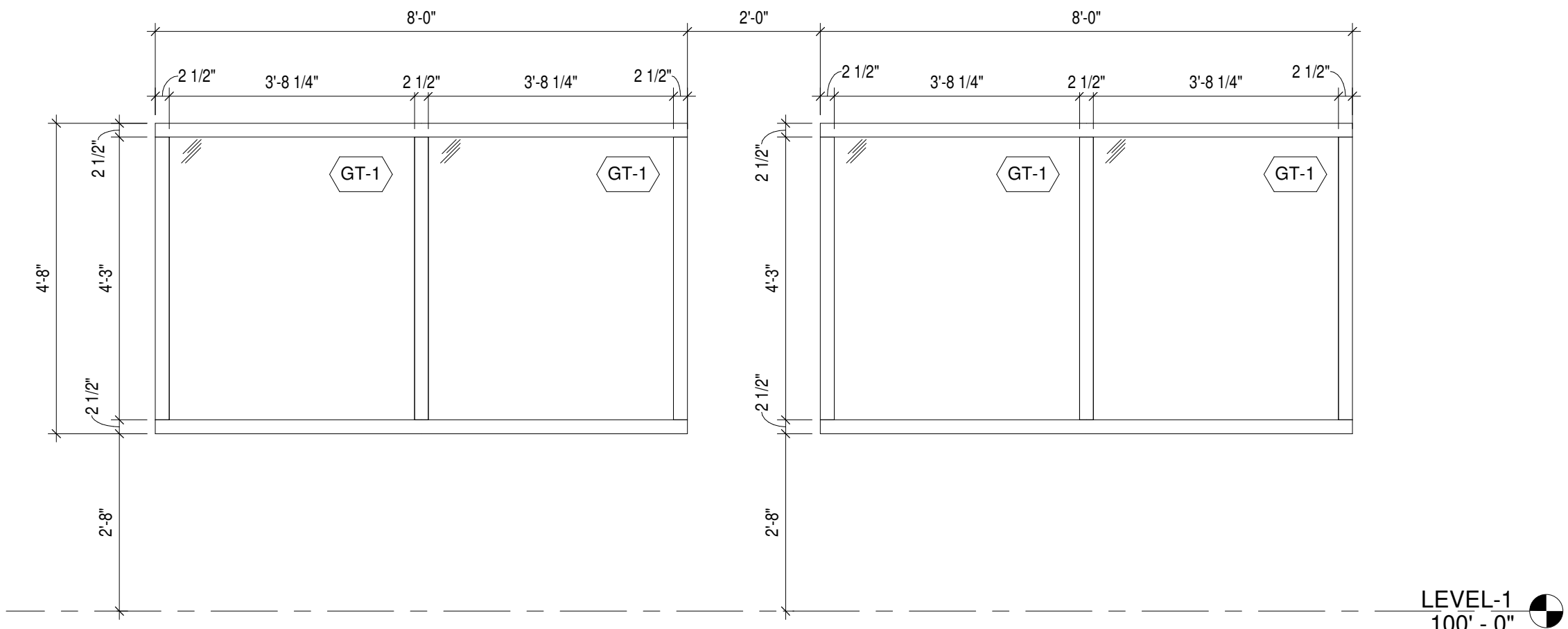
INSULATED SAFETY
LAMINATED CLEAR
VISION GLAZING



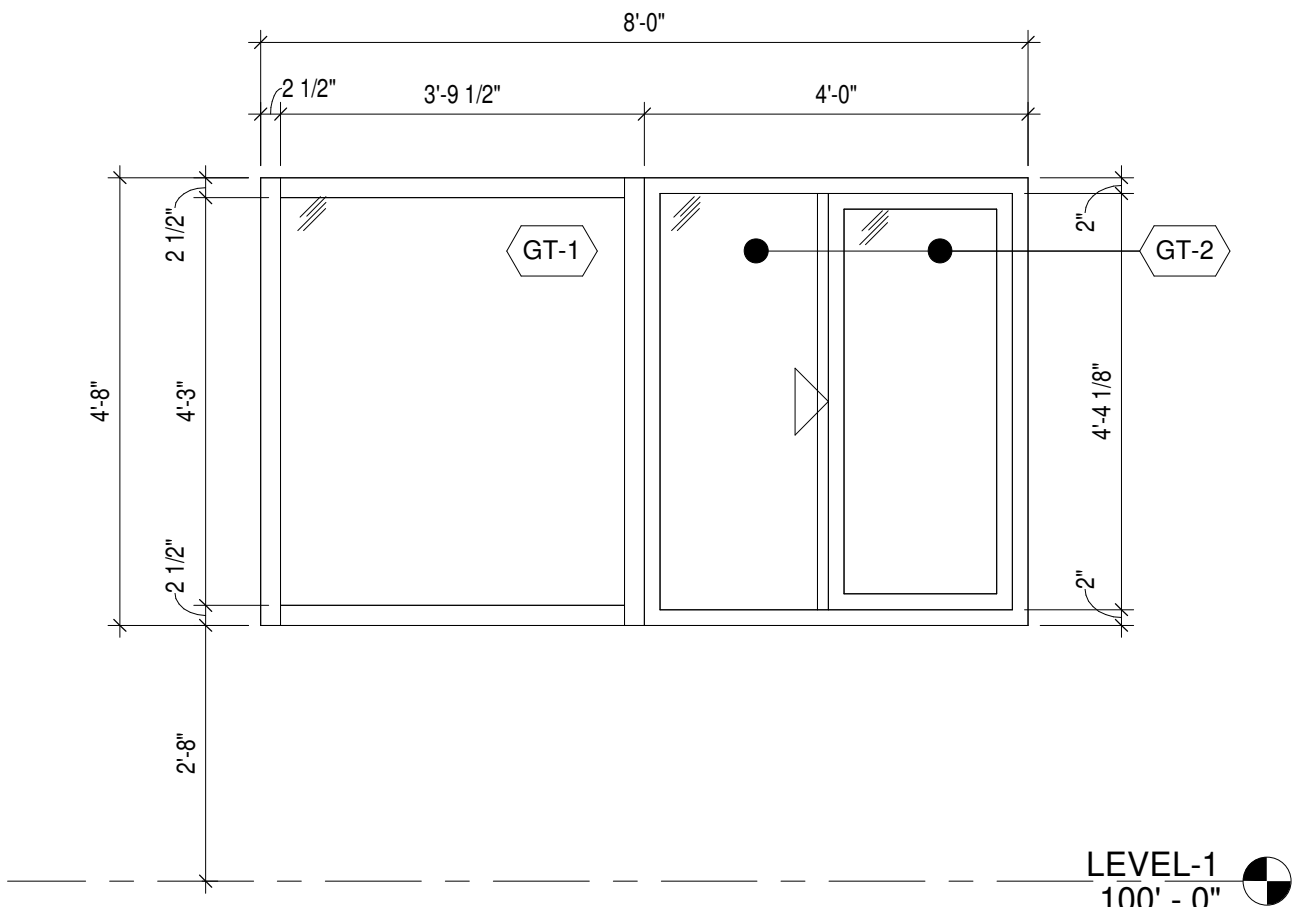
9 WINDOW ELEVATION
A-610 1/2" = 1'-0"



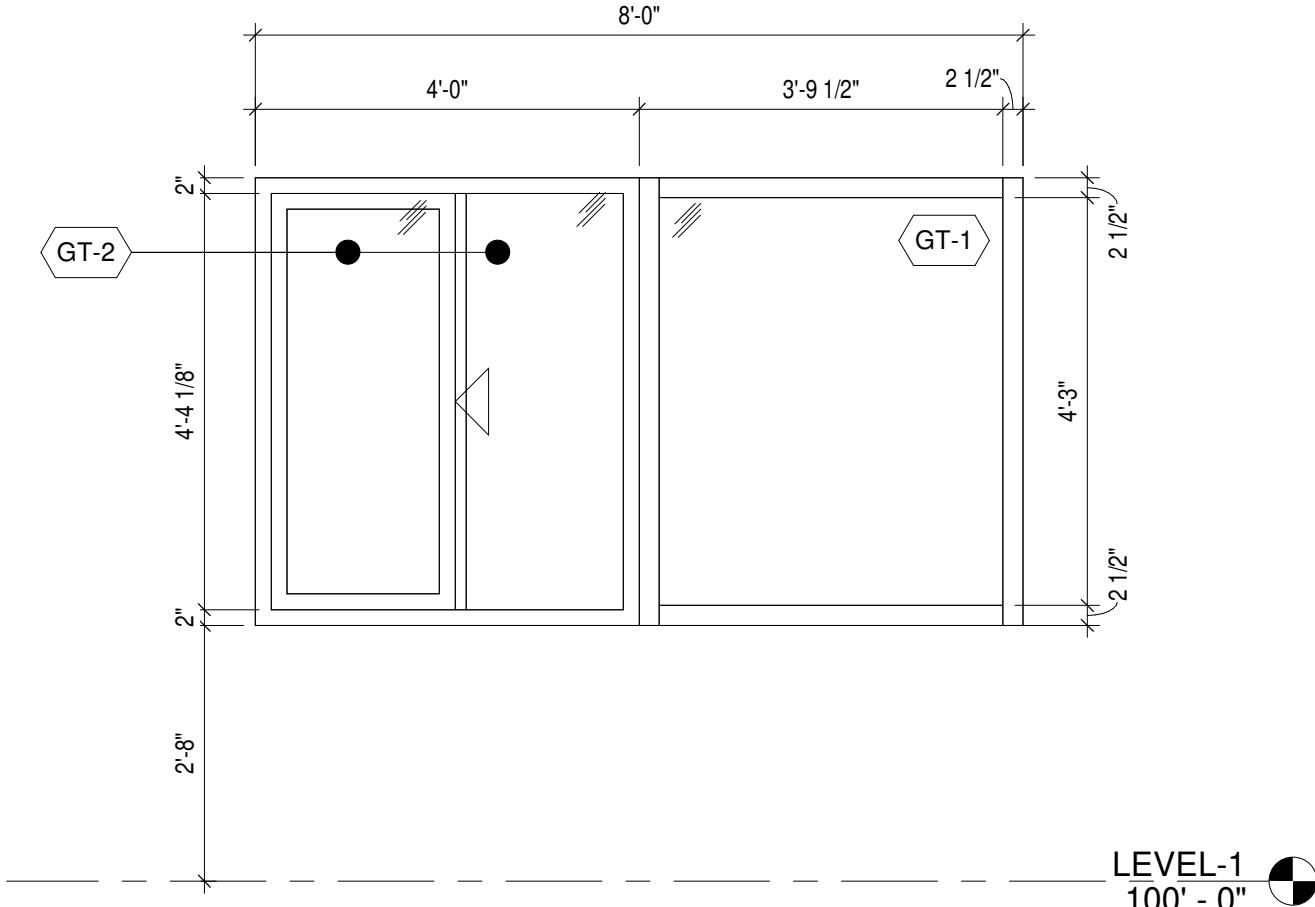
8 WINDOW ELEVATION
A-610 1/2" = 1'-0"



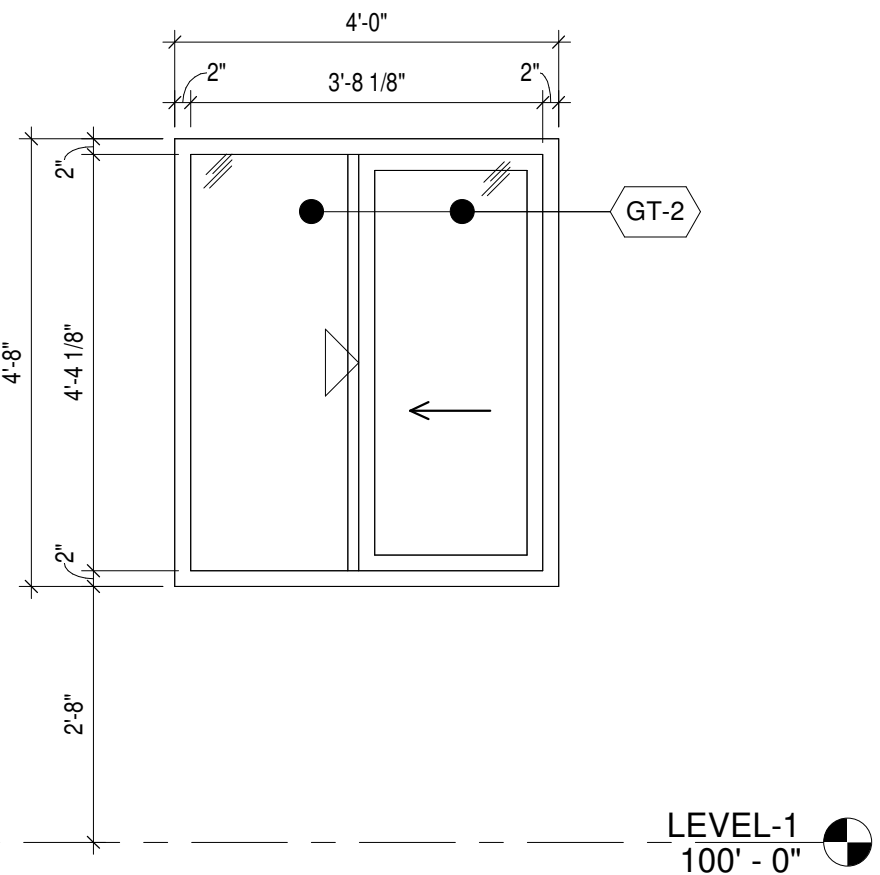
7 WINDOW ELEVATION
A-610 1/2" = 1'-0"



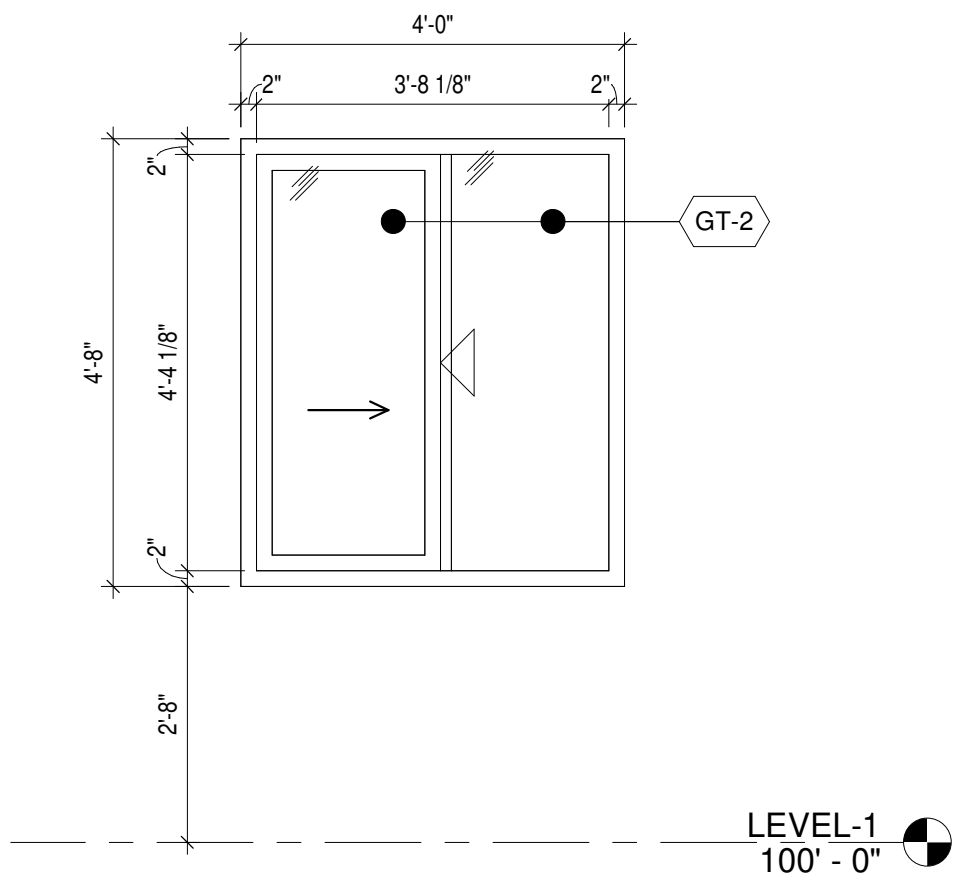
6 WINDOW ELEVATION
A-610 1/2" = 1'-0"



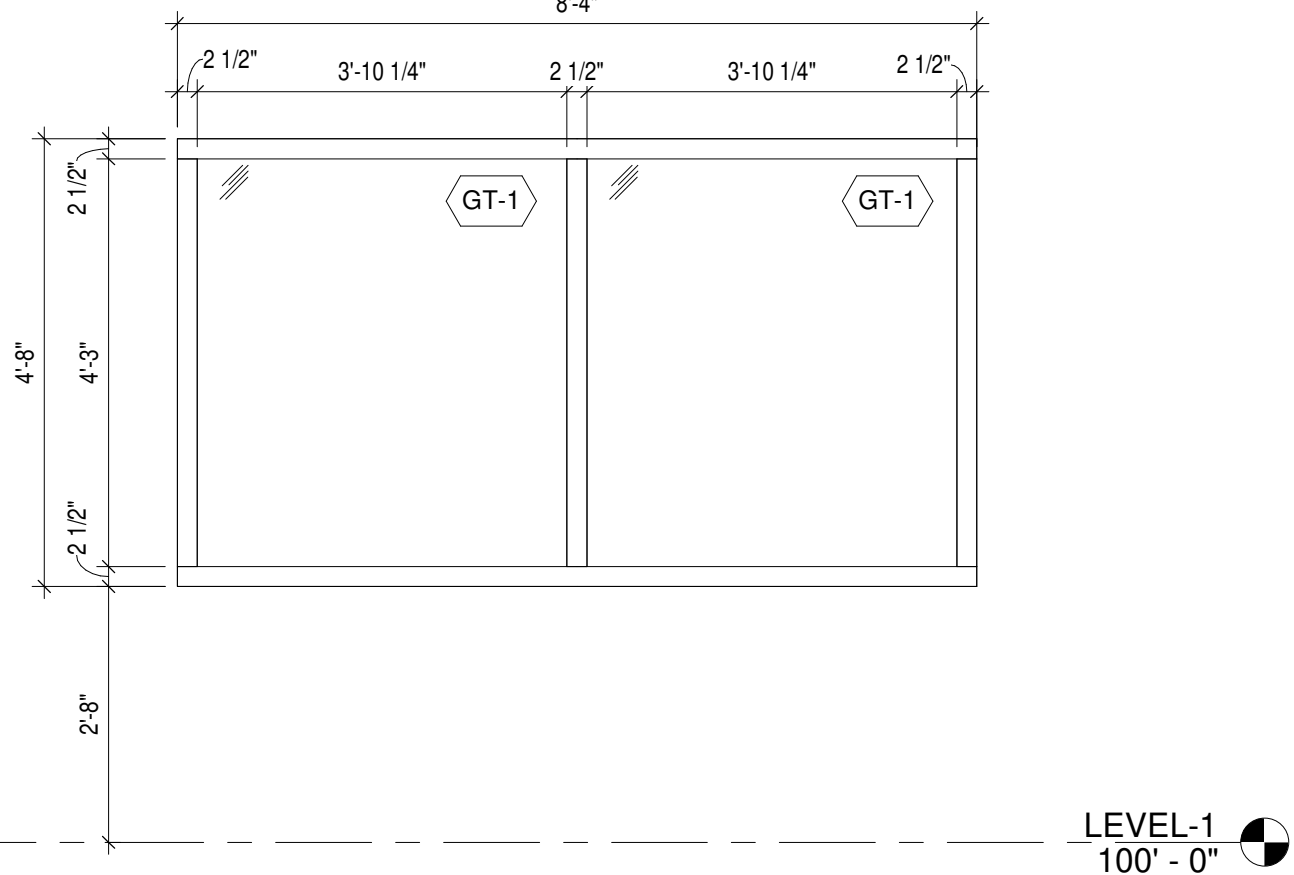
5 WINDOW ELEVATION
A-610 1/2" = 1'-0"



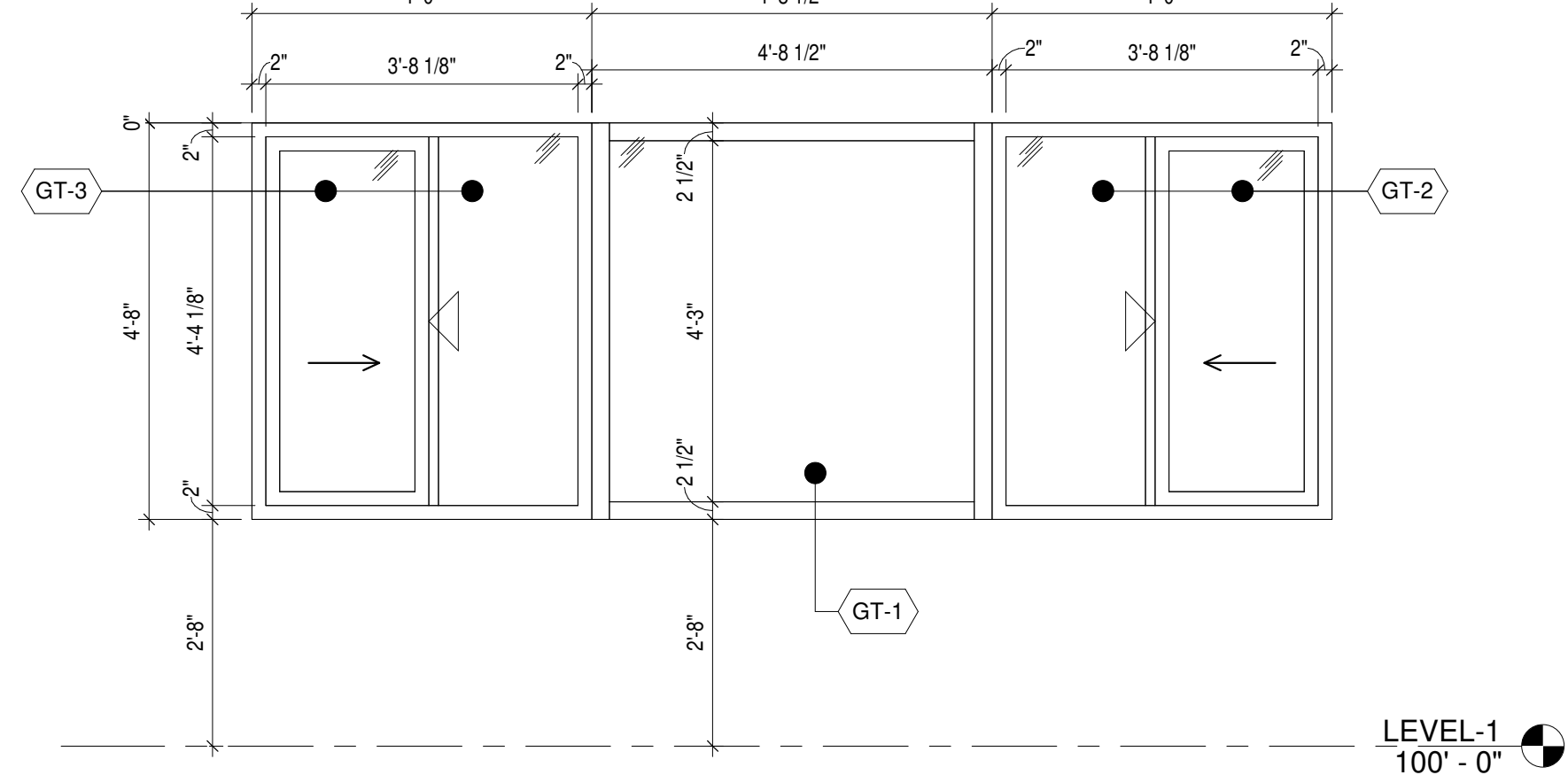
4 WINDOW ELEVATION
A-610 1/2" = 1'-0"



3 WINDOW ELEVATION
A-610 1/2" = 1'-0"



2 WINDOW ELEVATION
A-610 1/2" = 1'-0"



1 WINDOW ELEVATION
A-610 1/2" = 1'-0"

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Sycamore Trails
Aquatic Center

400 S. Heincke Road
Miamisburg, 45342

ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By	CAS
Checked By	CAS
Client Number	948
Project Number	7383
DRAWING TITLE	WINDOW ELEVATIONS
SHEET NO.	A-610



DAVID C. GLOVER
LICENSE #13805
EXPIRATION DATE 12/31/2025

3/12/2025 1:59:12 PM

ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By

HH

Checked By

CAS

Client

Number

948

Project

Number

7383

DRAWING TITLE

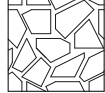
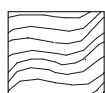
FINISH SCHEDULE
AND LEGEND

SHEET NO.

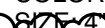
A-900

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FLOOR FINISHES

KEY	MATERIAL	SALES REP. & TESTING DATA
EF-1 (TYPICAL)	EPOXY FLOOR 	STONEHARD STONTEC TRF STONPROOF ME7 MEMBRANE SYSTEM COLOR: TEAL RIDGE FLAKE: LARGE FLAKE FINISH: TEXTURE 2 - FOR SLIP RESISTANCE INSTALLATION: SEAMLESS 6" INTEGRAL COVE BASE TO MATCH ADJACENT EPOXY FLOORING REP.: ADAM DEATON 419-806-5119
SV-1 (STAFF)	SHEET VINYL 	MANNINGTON COMMERCIAL REALITIES III ENGLISH WALNUT COLOR: NUT BROWN 5688R SIZE: 9' ROLL THICKNESS: 2mm WELD ROD: 842478 HERBIVORE REP.: ROBIN STEVENS 937-478-1046

BASE

RB-1	RUBBER COVE BASE 	TARKETT (JOHNSONITE) STYLE: DC COLOR: 283 TOAST SIZE: 4"
------	--	---

CEILINGS

ACT-1 (Concessions)	ACOUSTIC CEILING TILE 	ARMSTRONG ULTIMA HEALTH ZONE SIZE: 24" X 48" X 3/4" COLOR: 1959 WHITE PRELUDE: 15/16" GRID NRC: 0.70, CAC: 40, LT.REFL: 0.86 REP.: JENN MCCOY 513-919-2263 CLASS A FLAME SPREAD 25 OR LESS (UL LABELED) PER ASTM E1264: TYPE XII, FORM 2, PATTERN E
ACT-2 (Office / Staff)	ACOUSTIC CEILING TILE 	ARMSTRONG ULTIMA LAY-IN SIZE: 24" X 48" X 3/4" COLOR: 1913 WHITE PRELUDE: 15/16" GRID NRC: 0.75, CAC: 35, LT.REFL: 0.88 REP.: JENN MCCOY 513-919-2263 CLASS A FLAME SPREAD 25 OR LESS (UL LABELED) PER ASTM E1264: TYPE XII, FORM 2, PATTERN E

WALLS

P-1 (WHITE)	PAINT	SHERWIN WILLIAMS SW7009 PEARLY WHITE
P-2 (AQUA)	PAINT	SHERWIN WILLIAMS SW 9048 SURFIN'
P-3 (TEAL)	PAINT	SHERWIN WILLIAMS SW 6767 AQUARIUM
P-4 (YELLOW)	PAINT	SHERWIN WILLIAMS SW 6904 GUSTO GOLD
P-5 (ROYAL BLUE)	PAINT	SHERWIN WILLIAMS SW 6966 BLUEBLOOD
P-6 (DARK TEAL)	PAINT	SHERWIN WILLIAMS SW 6776 BLUE NILE

FINISH TYPICAL NOTES

TYPICAL FINISH NOTES

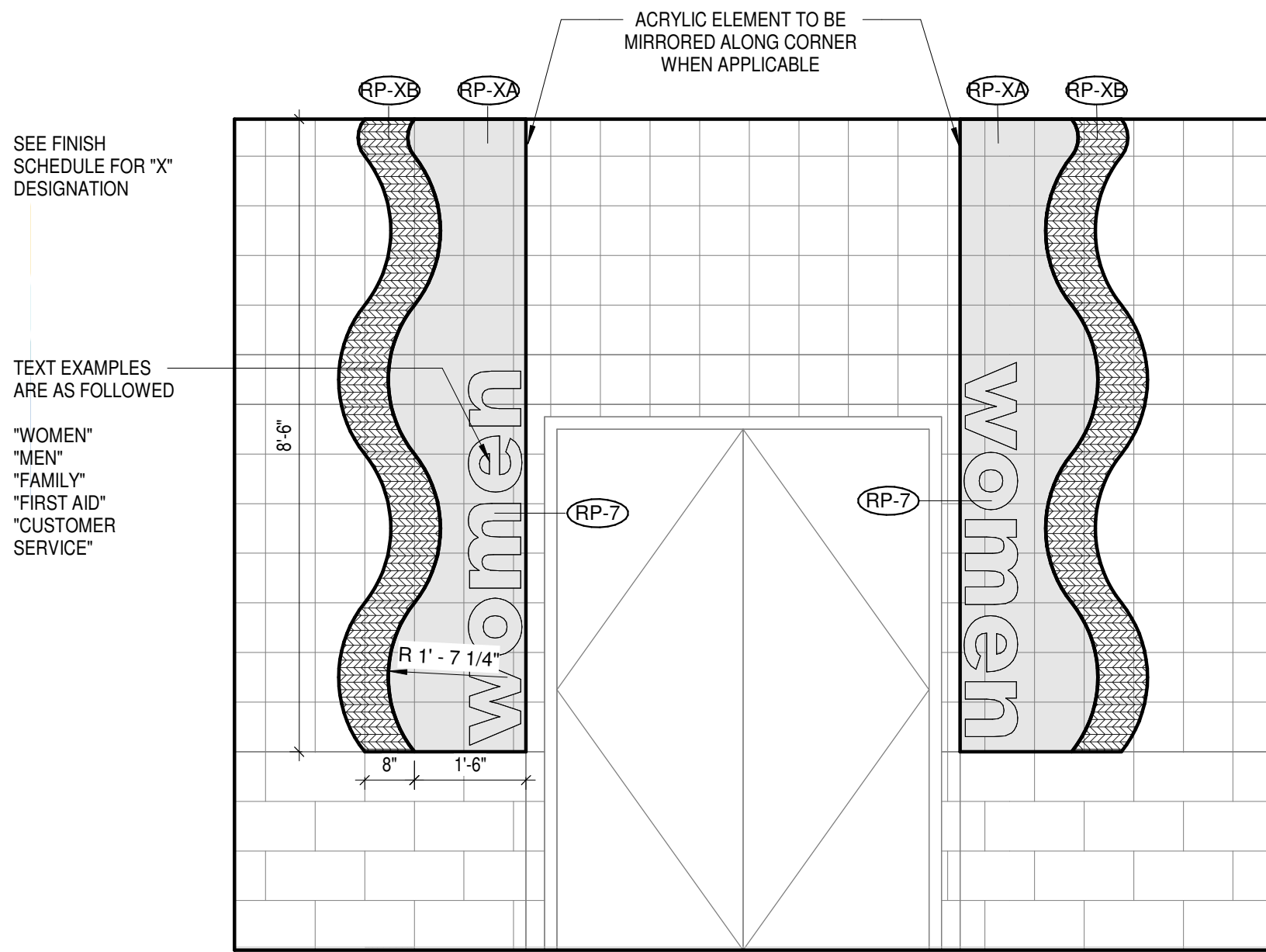
- ALL FINISHES TO BE INSTALLED PER MANUFACTURER'S DIRECTIONS.
- ALL FINISH MATERIALS TO BE COMPLIANT WITH CODE INFORMATION LISTED ON A001.
- REFER TO ELEVATIONS FOR WALL FINISHES, CASEWORK AND SURFACE DETAILS.
- REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL CEILING INFORMATION.
- REFER TO FINISH PLANS FOR ADDITIONAL WALL AND FLOORING INFORMATION.
- SUBMIT ALL SAMPLES FOR ARCHITECTS APPROVAL.
- ALL ACCESS PANEL DOORS, GRILLES, ETC. ARE TO BE PAINTED TO MATCH WALL COLOR.
- ALL FLOORING IS TO BE INSTALLED PRIOR TO INSTALLATION OF CASEWORK AND MILLWORK.

CASEWORK

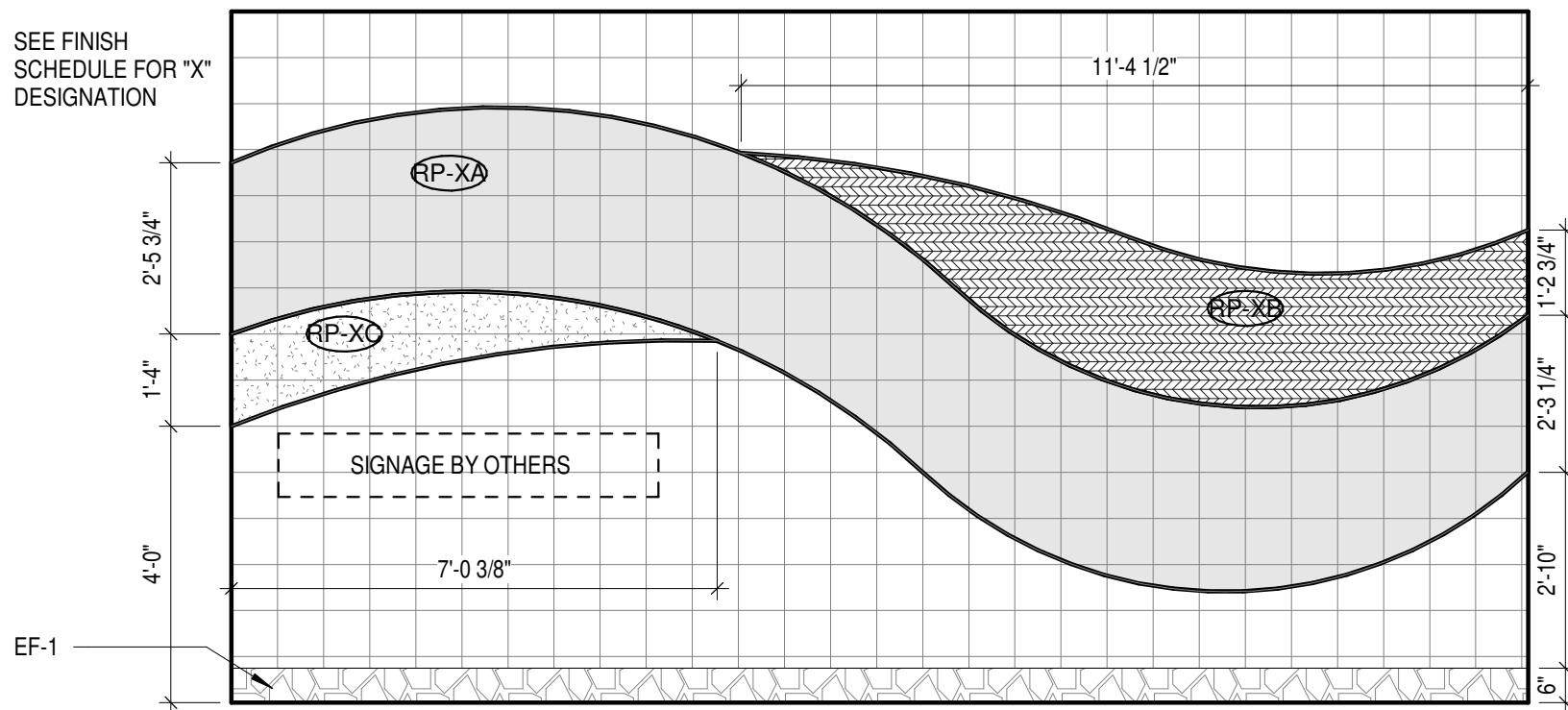
KEY	MATERIAL	SALES REP. & TESTING DATA
SS-1	STAINLESS STEEL	SEE SPECIFICATIONS
SSM-1	SOLID SURFACE	WILSONART COLOR: MYSTIQUE THICKNESS: 1/2"
PL-1	PLASTIC LAMINATE	FORMICA CAMEL ELM 5795-NG

SPECIALTY

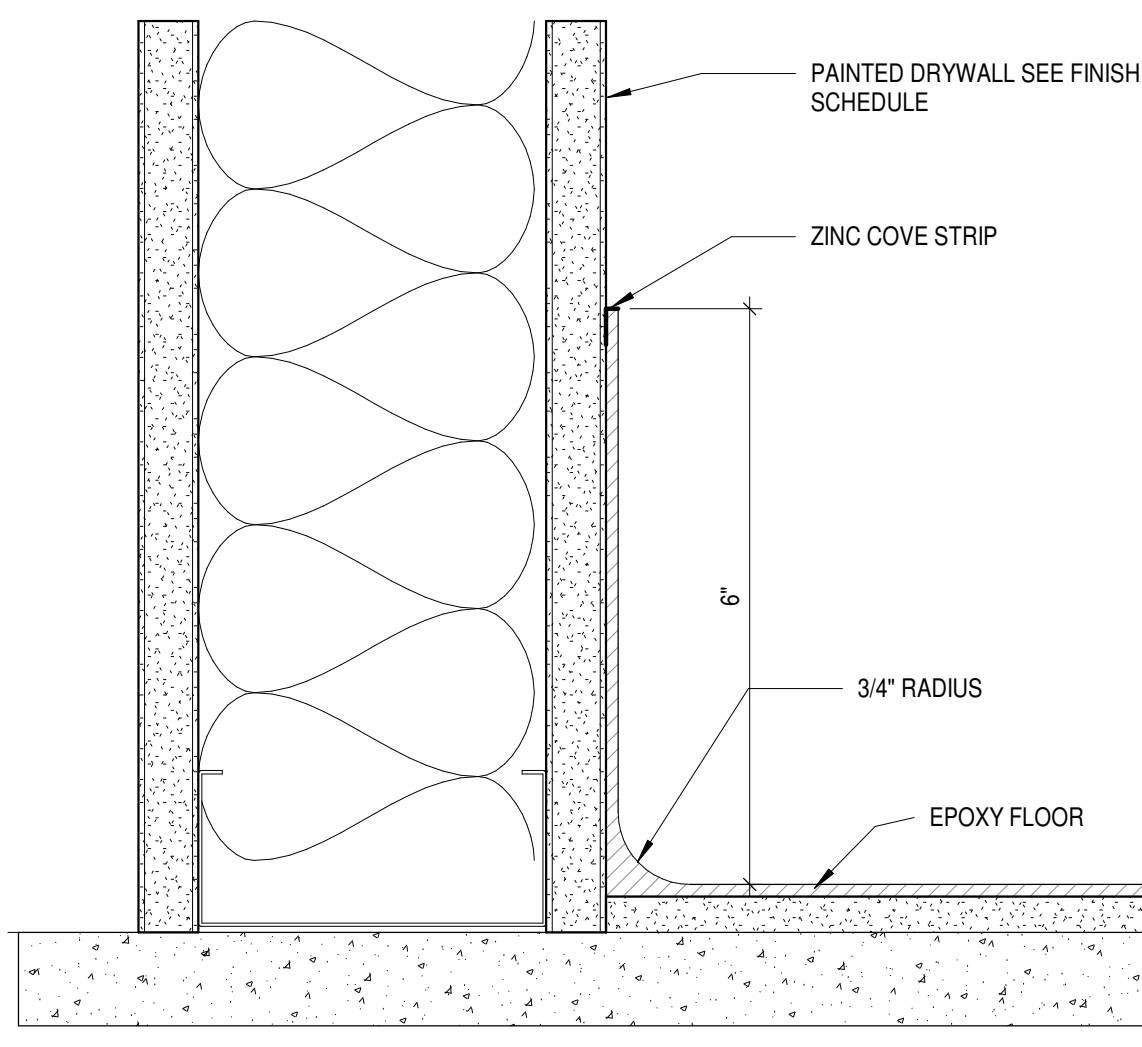
RP-1A (AQUA)	RESIN PANEL	3FORM CHROMA COLOR: CORNFLOWER B46 THICKNESS:	REP.: SUSAN STUDER 859-653-4069
RP-1B (AQUA)	RESIN PANEL	3FORM CHROMA COLOR: SKYDIVE B48 THICKNESS:	REP.: SUSAN STUDER 859-653-4069
RP-1C (AQUA)	RESIN PANEL	3FORM CHROMA COLOR: CLOUDLESS B42 THICKNESS:	REP.: SUSAN STUDER 859-653-4069
RP-2A (TEAL)	RESIN PANEL	3FORM CHROMA COLOR: POSEIDON B22 THICKNESS:	REP.: SUSAN STUDER 859-653-4069
RP-2B (TEAL)	RESIN PANEL	3FORM CHROMA COLOR: CHUISE B21 THICKNESS:	REP.: SUSAN STUDER 859-653-4069
RP-2C (TEAL)	RESIN PANEL	3FORM CHROMA COLOR: ROBIN B39 THICKNESS:	REP.: SUSAN STUDER 859-653-4069
RP-3A (YELLOW)	RESIN PANEL	3FORM CHROMA COLOR: SUNNYSIDE Y17 THICKNESS:	REP.: SUSAN STUDER 859-653-4069
RP-3B (YELLOW)	RESIN PANEL	3FORM CHROMA COLOR: TAXICAB Y12 THICKNESS:	REP.: SUSAN STUDER 859-653-4069
RP-4 (ROYAL BLUE)	RESIN PANEL	3FORM CHROMA COLOR: CASSIDY B26 THICKNESS:	REP.: SUSAN STUDER 859-653-4069
RP-5 (DARK TEAL)	RESIN PANEL	3FORM CHROMA COLOR: SALTWATER B12 THICKNESS:	REP.: SUSAN STUDER 859-653-4069
RP-6 (RED)	RESIN PANEL	3FORM CHROMA COLOR: LOVE R18 THICKNESS:	REP.: SUSAN STUDER 859-653-4069
RP-7 (LETTERING TYPICAL)	RESIN PANEL	3FORM CHROMA COLOR: AVALANCHE THICKNESS:	REP.: SUSAN STUDER 859-653-4069



4 BASIS OF DESIGN - ACRYLIC ELEMENT - DETAIL 2
1/2" = 1'-0"

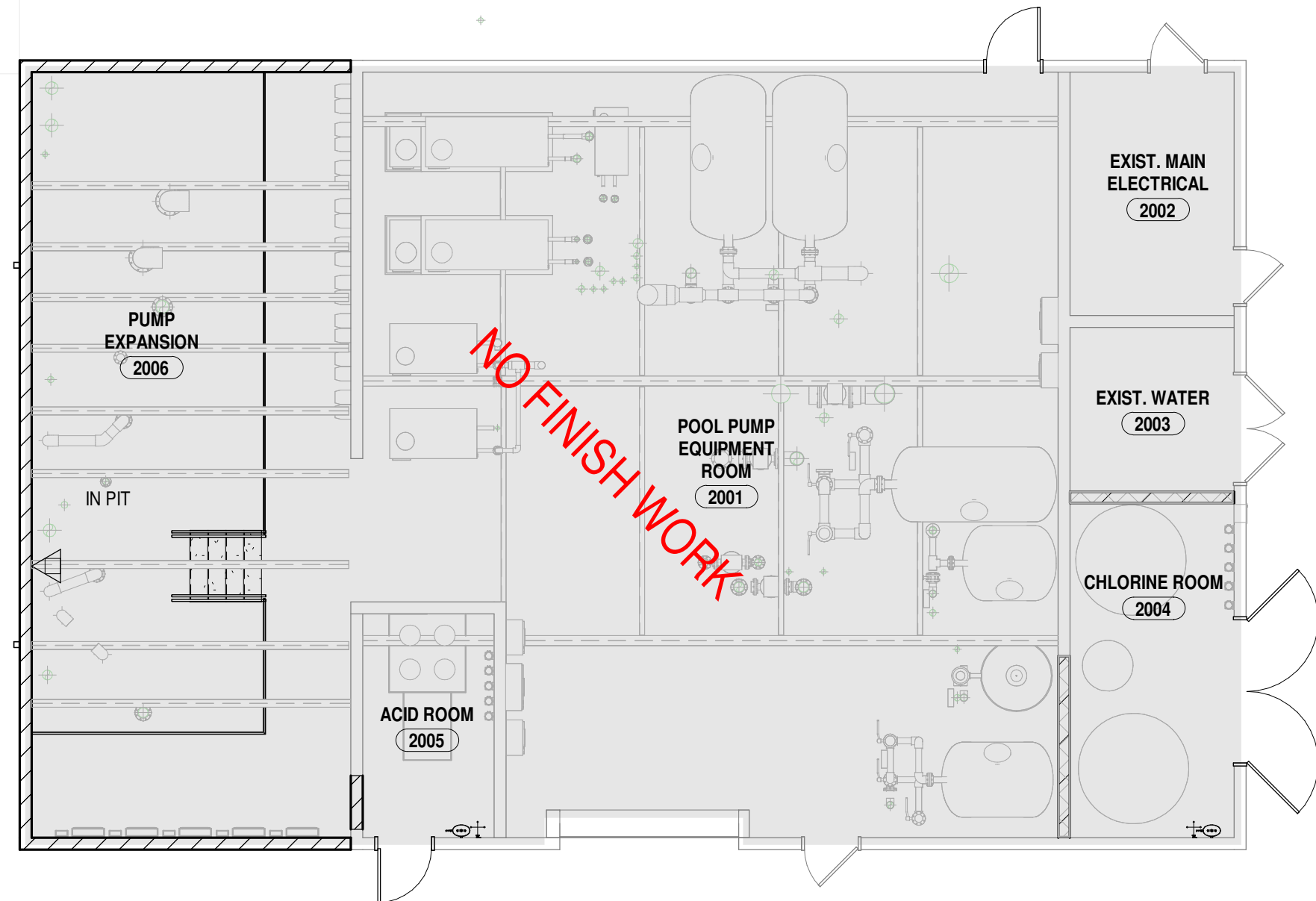


3 BASIS OF DESIGN - ACRYLIC ELEMENT - DETAIL 1
3/8" = 1'-0"



5 BASE DETAIL - EPOXY INTEGRAL COVE
6" = 1'-0"

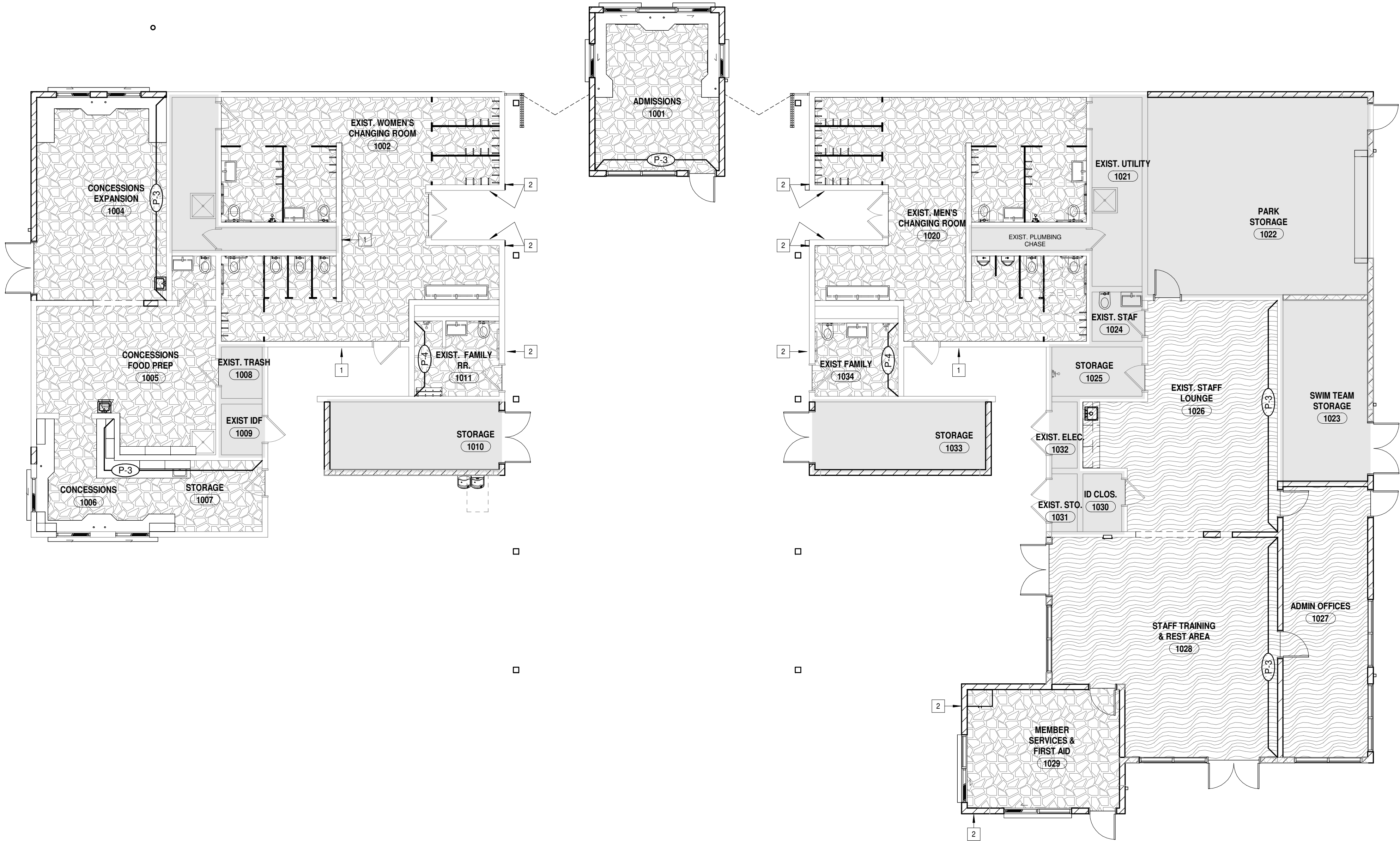
ROOM FINISH SCHEDULE - STAC										
Name	Number	Floor Finish	Base Finish	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	CSWK VERT.	CSWK HORIZ.	Comments
EXIST. WOMEN'S CHANGING ROOM	1002	EF-1	EF-1	P-1	P-1	P-1	P-1	-	-	ACRYLIC TO BE RP-2A, RP-2B, AND RP-2C
EXIST. UTILITY	1003	-	-	-	-	-	-	-	-	
EXIST. TRASH	1008	-	-	-	-	-	-	-	-	
EXIST. FAMILY RR.	1011	EF-1	EF-1	P-1	P-1	P-1	P-4	-	-	ACRYLIC TO BE RP-3
EXIST. IDF	1009	-	-	-	-	-	-	-	-	
CONCESSIONS EXPANSION	1004	EF-1	EF-1	P-1	P-1	P-1	P-1	-	-	
CONCESSIONS FOOD PREP	1005	EF-1	EF-1	P-1	P-1	P-1	P-1	-	-	
CONCESSIONS	1006	EF-1	EF-1	P-1	P-1	P-1	P-1	-	-	
STORAGE	1007	EF-1	EF-1	P-1	P-1	P-1	P-1	-	-	
STORAGE	1010	-	-	-	-	-	-	-	-	
ADMISSIONS	1001	EF-1	RB-1	P-1	P-1	P-3	P-1	-	SSM-1	
EXIST. MEN'S CHANGING ROOM	1020	EF-1	EF-1	P-1	P-1	P-1	P-1	-	-	ACRYLIC TO BE RP-1A, RP-1B, AND RP-1C
EXIST. UTILITY	1021	-	-	-	-	-	-	-	-	
PARK. STORAGE	1022	-	-	-	-	-	-	-	-	
SWIM TEAM STORAGE	1023	-	-	-	-	-	-	-	-	
EXIST. STAF	1024	-	-	-	-	-	-	-	-	
STORAGE	1025	-	-	-	-	-	-	-	-	
EXIST. STAFF LOUNGE	1026	SV-1	RB-1	P-1	P-3	P-1	P-1	-	-	
ADMIN OFFICES	1027	SV-1	RB-1	P-1	P-1	P-1	P-1	PL-1	SSM-1	
STAFF TRAINING & REST AREA	1028	SV-1	RB-1	P-1	P-3	P-1	P-1	-	-	
ID CLOS.	1030	-	-	-	-	-	-	-	-	
MEMBER SERVICES & FIRST AID	1029	EF-1	EF-1	P-1	P-1	P-1	P-1	-	-	
EXIST. STO.	1031	-	-	-	-	-	-	-	-	
EXIST. ELEC.	1032	-	-	-	-	-	-	-	-	
STORAGE	1033	-	-	-	-	-	-	-	-	
EXIST FAMILY	1034	EF-1	EF-1	P-1	P-4	P-1	P-1	-	-	ACRYLIC TO BE RP-3
EXIST. RR	1012	EF-1	EF-1	P-1	P-1	P-1	P-1	-	-	



2 PUMP HOUSE - FINISH PLAN
A-901 1/8" = 1'-0"

KEYNOTES - FINISH PLANS	
NO.	NOTE
1	LOCATION OF SURFACE MOUNTED, ACRYLIC ELEMENT, SEE DETAIL 1 ON SHEET A-901 FOR DIMENSIONS AND FINISH
2	LOCATION OF SURFACE MOUNTED, ACRYLIC ELEMENT, SEE DETAIL 2 ON SHEET A-901 FOR DIMENSIONS AND FINISH

NO FINISH WORK



1 CHANGE ROOM BUILDING - FINISH PLAN
A-901 1/8" = 1'-0"



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No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By

HH

Checked By

CAS

Client

Number

948

Project

Number

7383

DRAWING TITLE

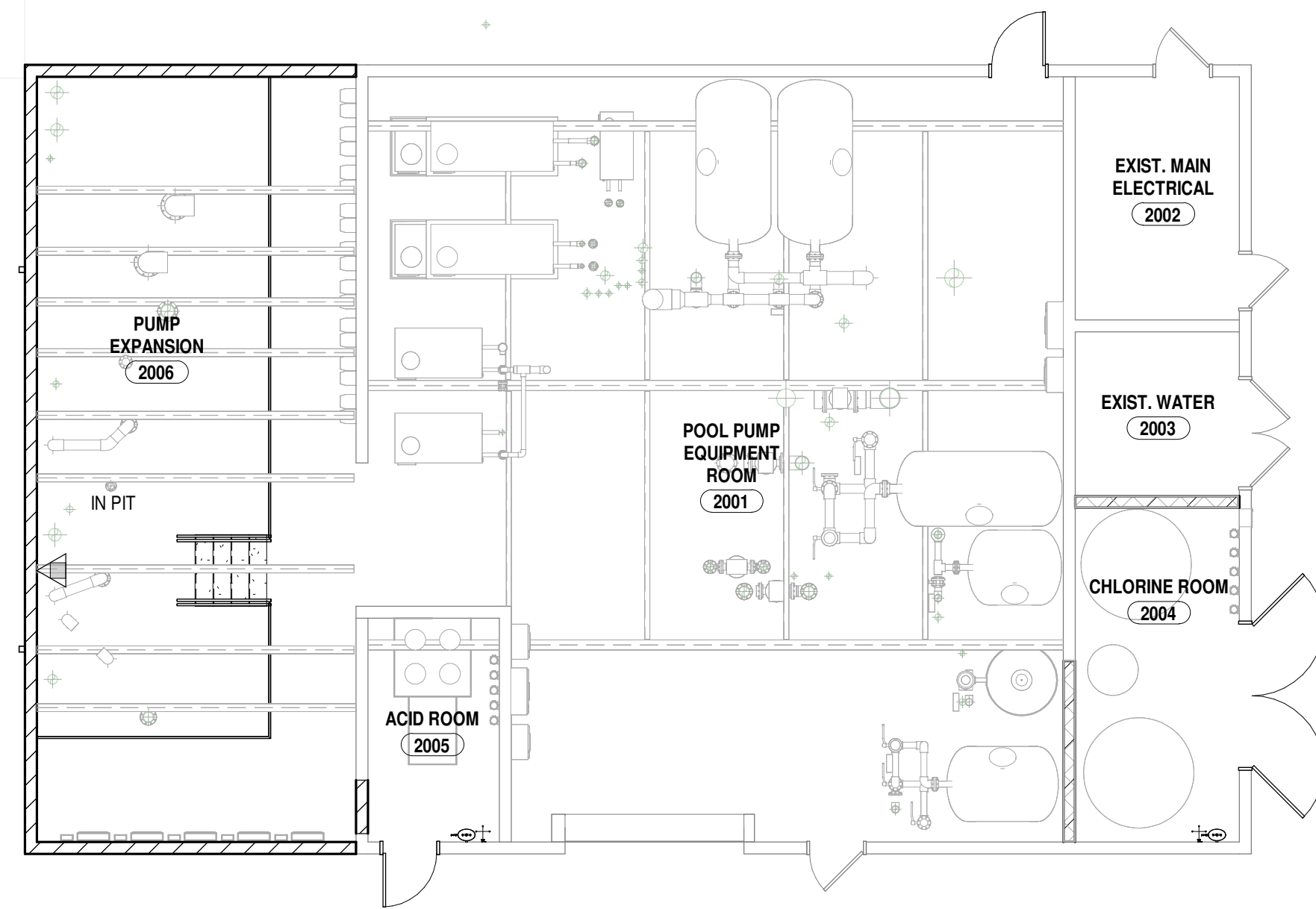
OVERALL FINISH
PLAN

SHEET NO.

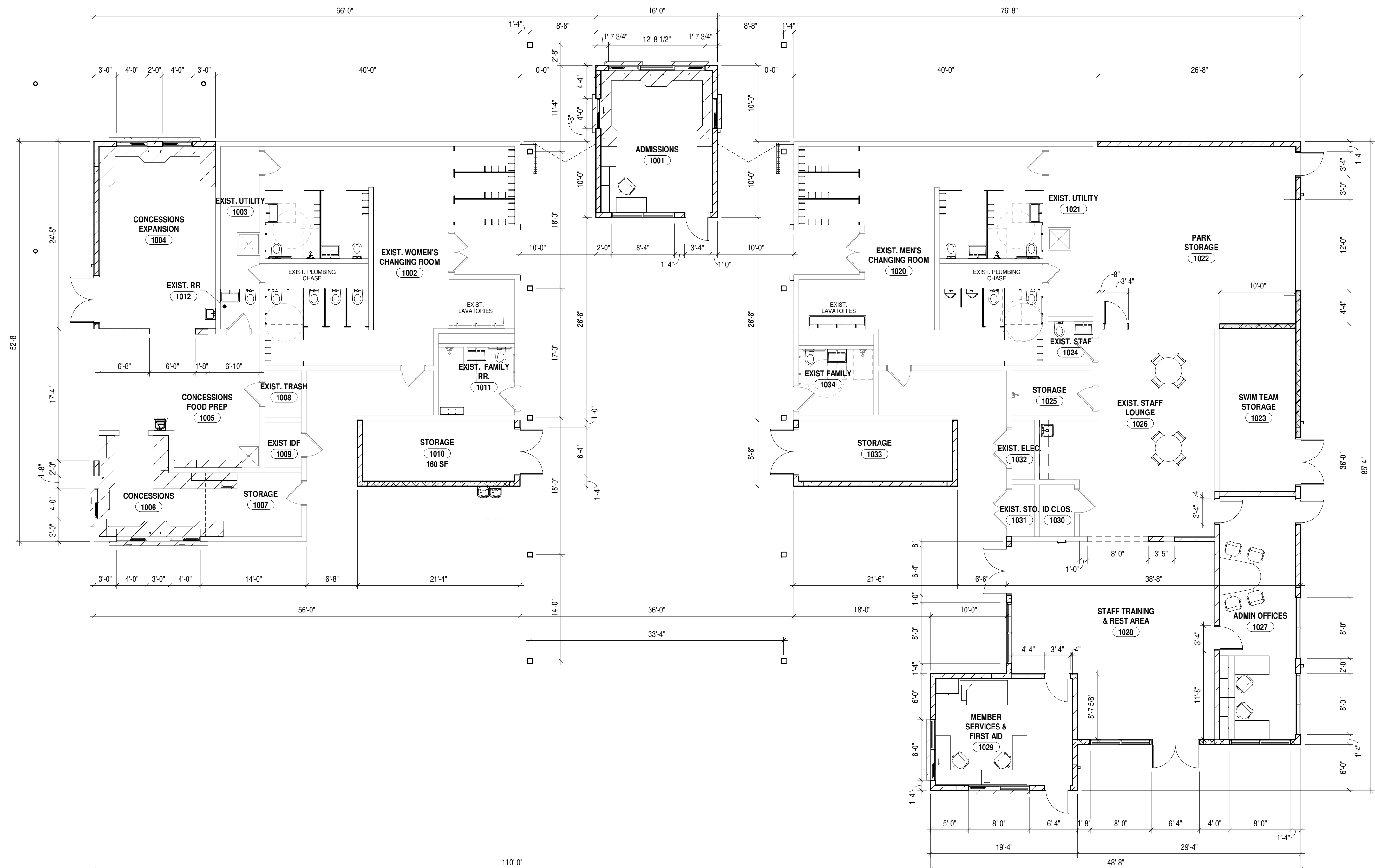
A-901

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2 PUMP HOUSE - FURNITURE PLAN
A-902 1/8" = 1'-0"



1 CHANGE ROOM BUILDING - FURNITURE PLAN
A-902 1/8" = 1'-0"



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1	CONFORMED SET	03/14/25

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Project

Number

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DRAWING TITLE

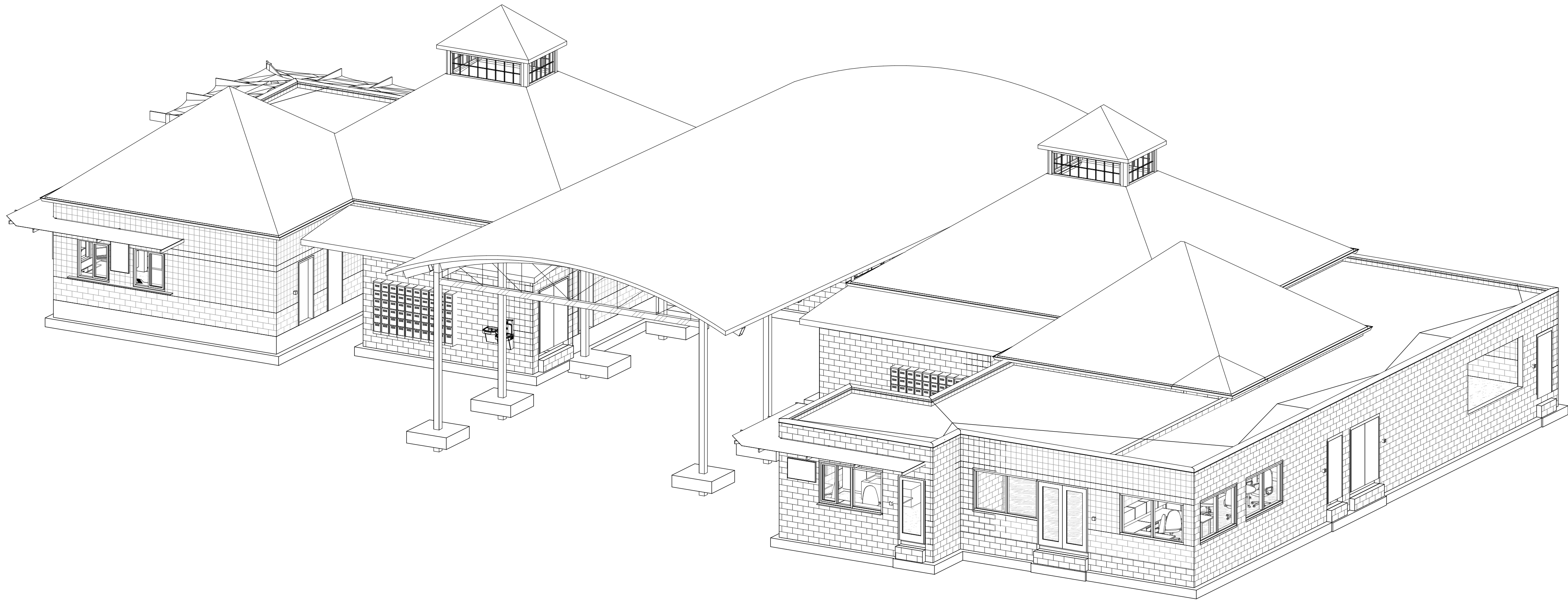
OVERALL FURNITURE
PLAN

SHEET NO.

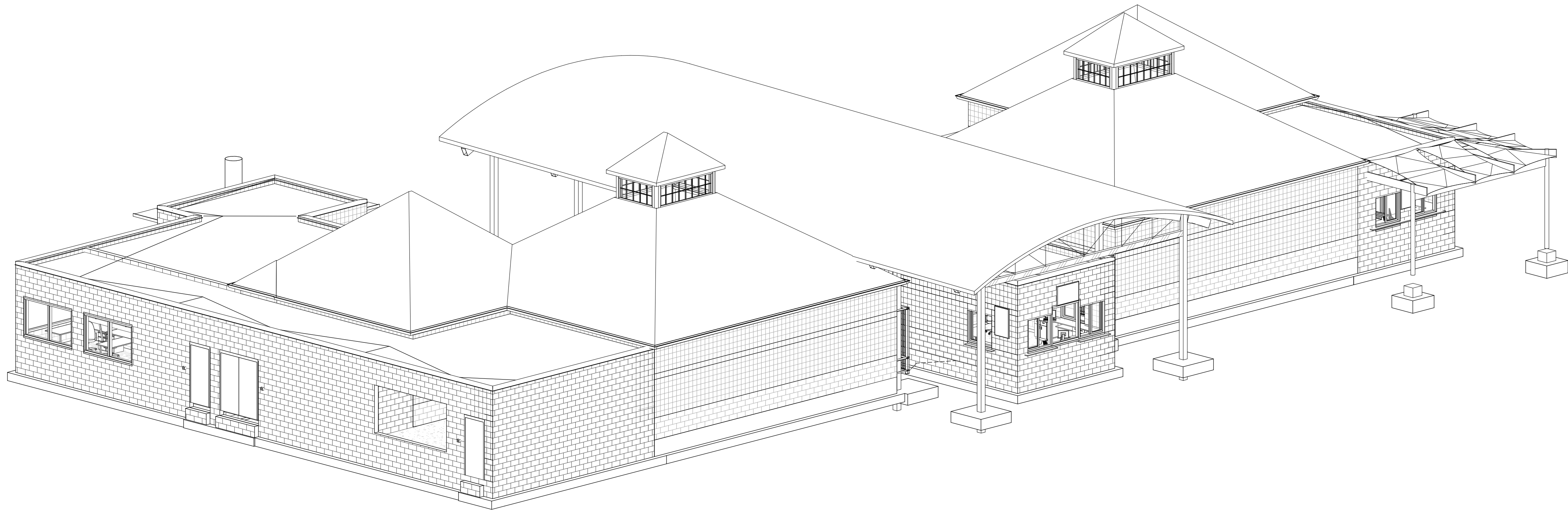
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2 CHANGE BUILDING SOUTH ISO
PT101



1 CHANGE BUILDING NORTH ISO
PT101



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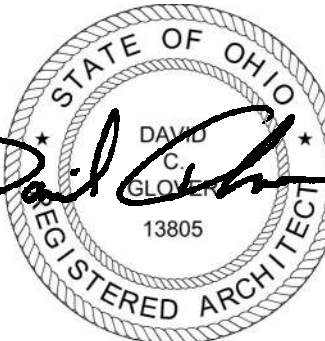
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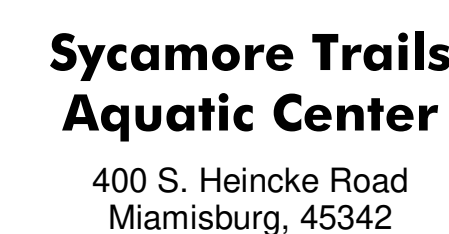
3D AXON IMAGES

SHEET NO.

PT101



DAVID C. GLOVER
LICENSE #13805
EXPIRATION DATE 12/31/2025



ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/
1	CONFORMED SET	03/14/

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Author

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Checker

Client

Number

20

Project
Numbe

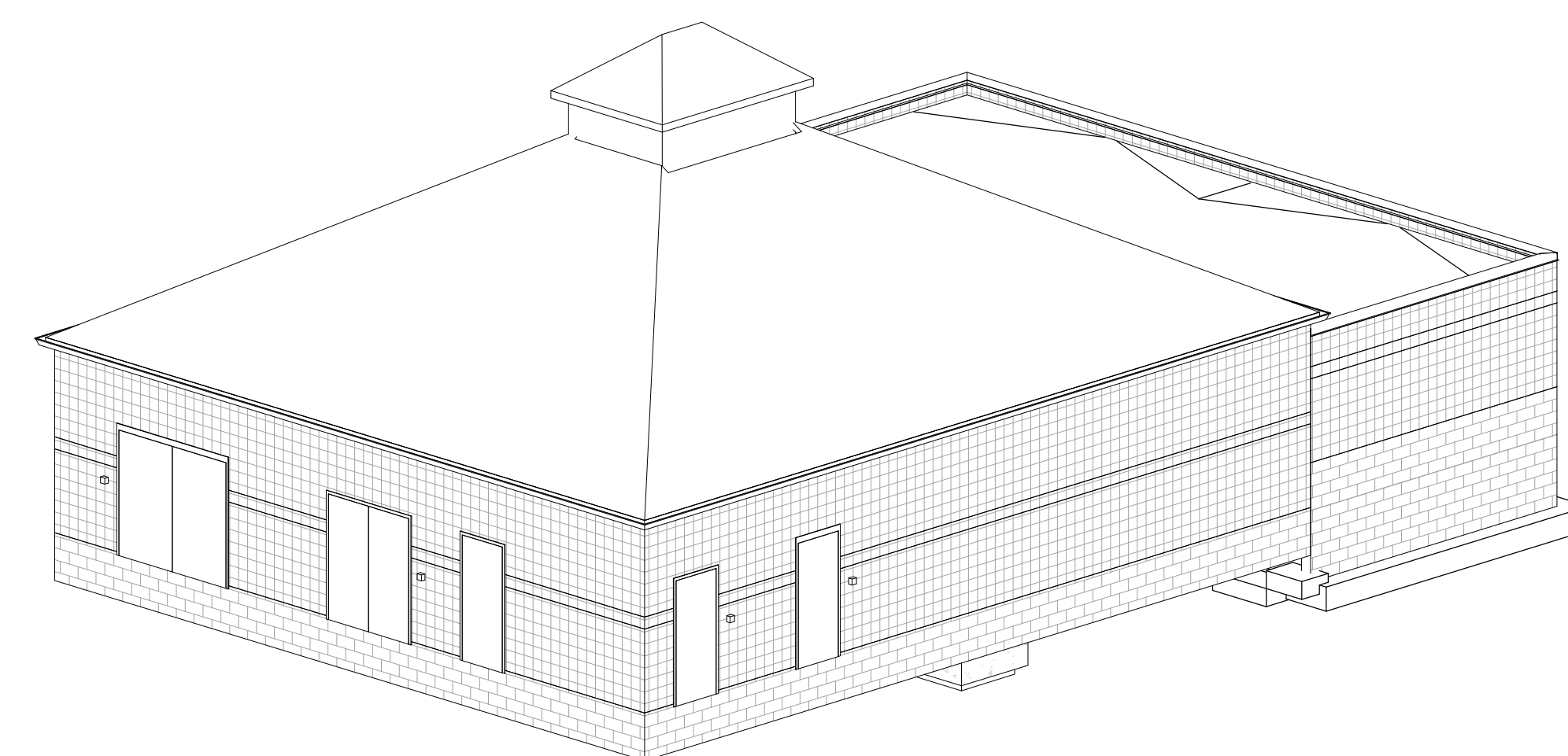
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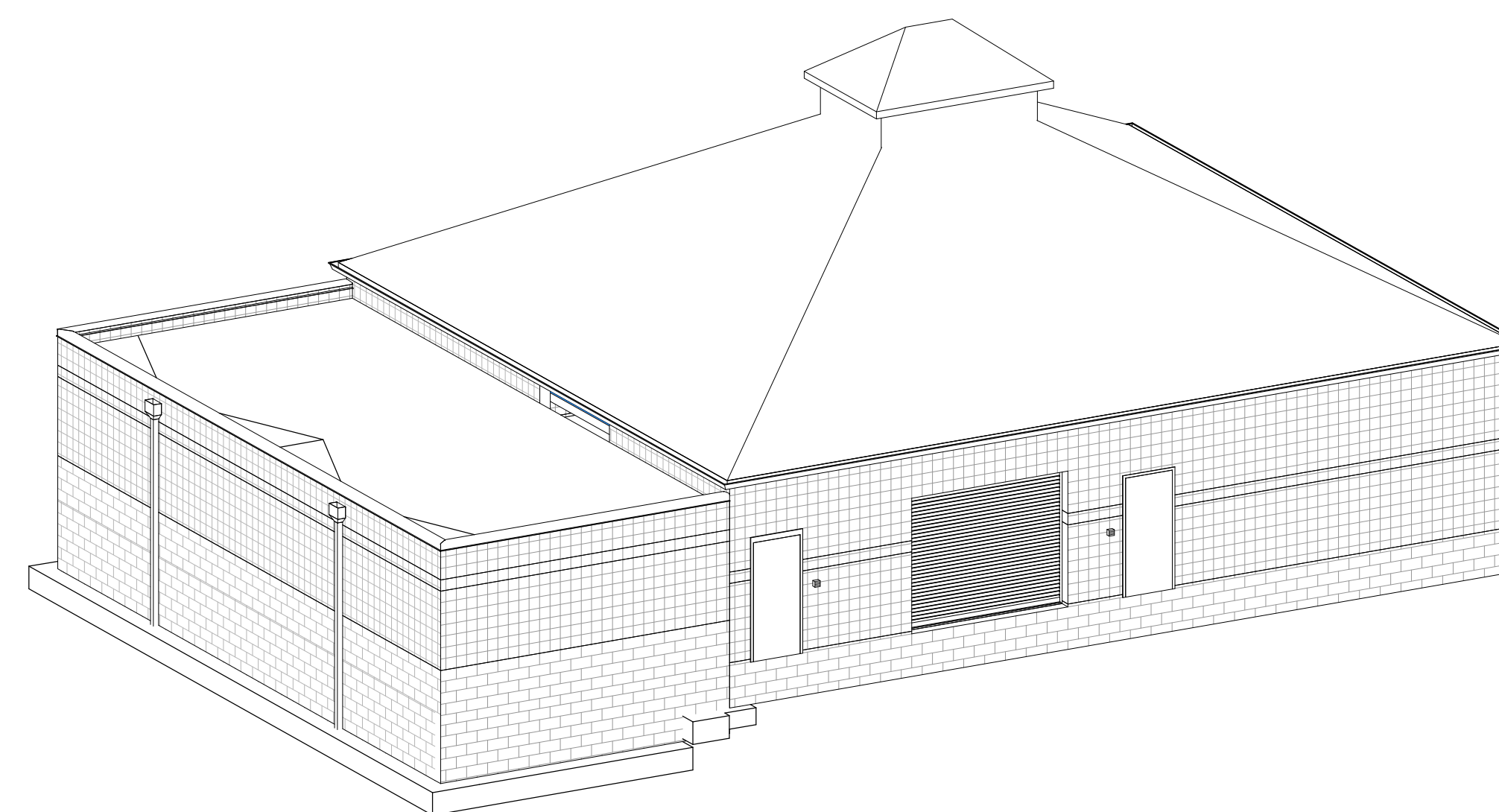
3D AXON IMAGES

SHEET NO.

PT102



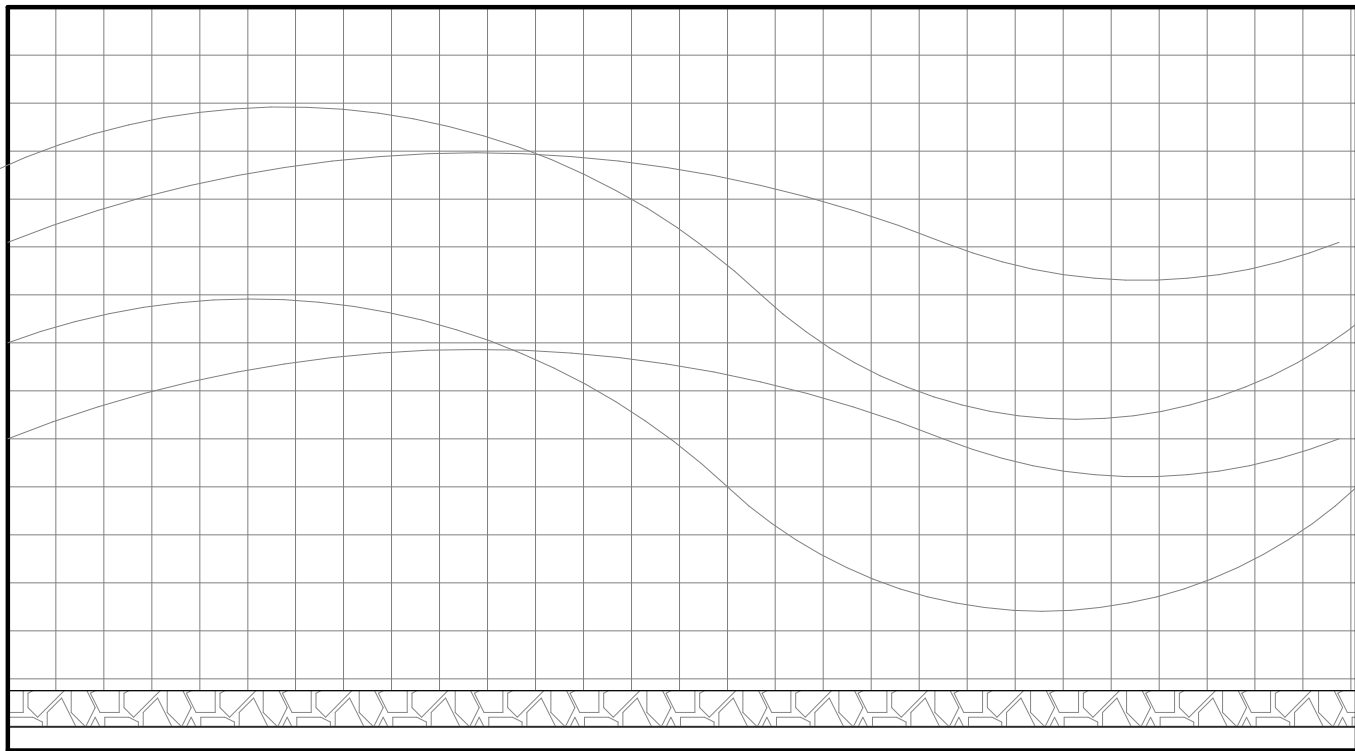
2	PUMP HOUSE SOUTH ISO
PT102	



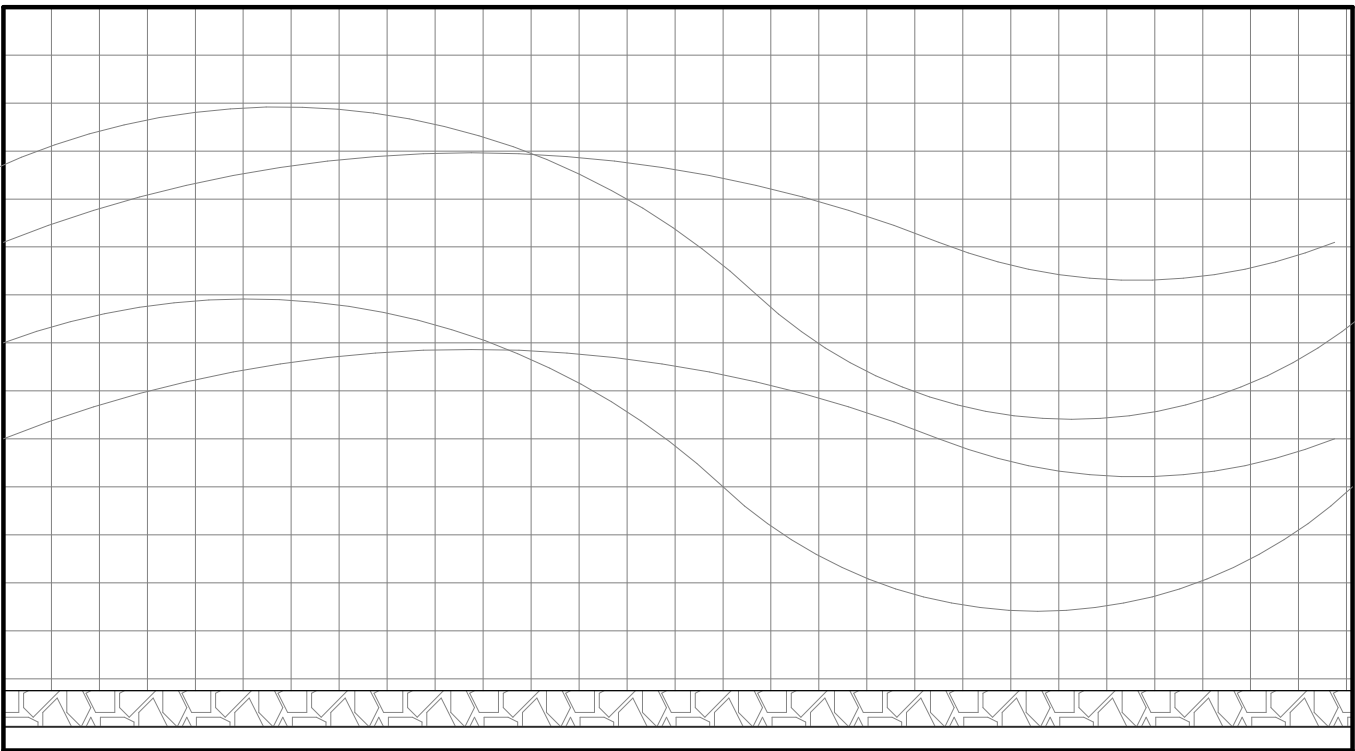
1	PUMP HOUSE NORTH ISO
PT102	

ISSUED FOR CONSTRUCTION

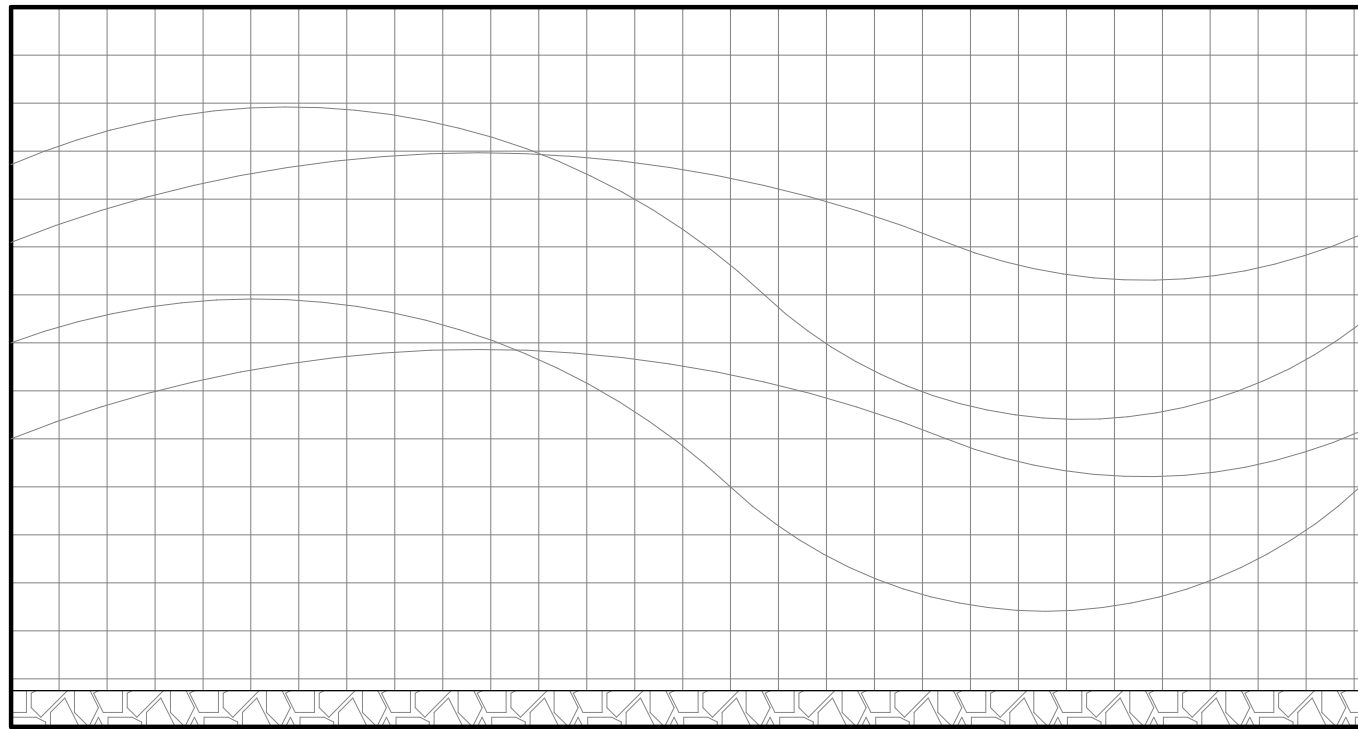
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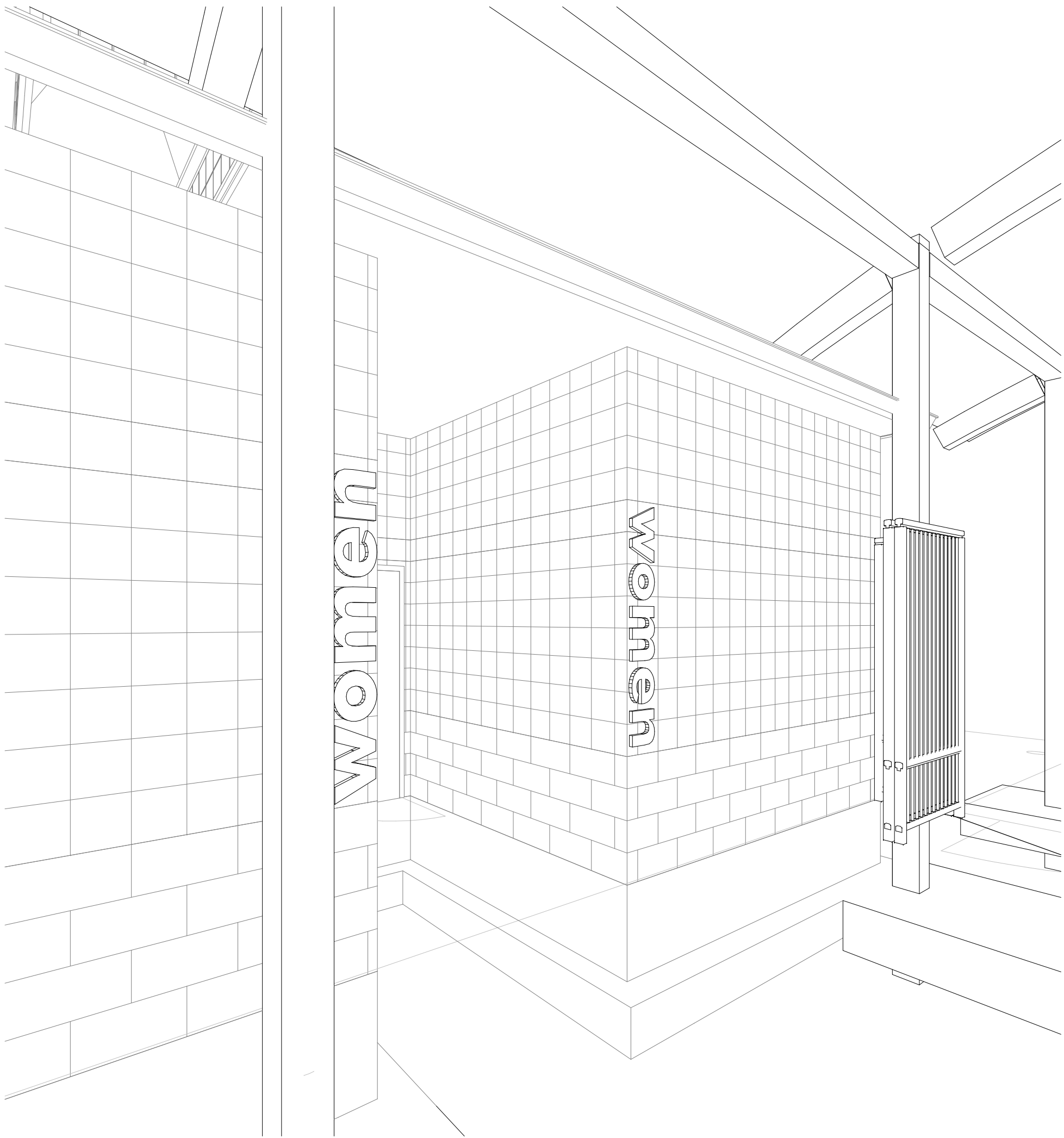
5 Elevation 2 - a Copy 1 Copy 1
PT103 3/8" = 1'-0"



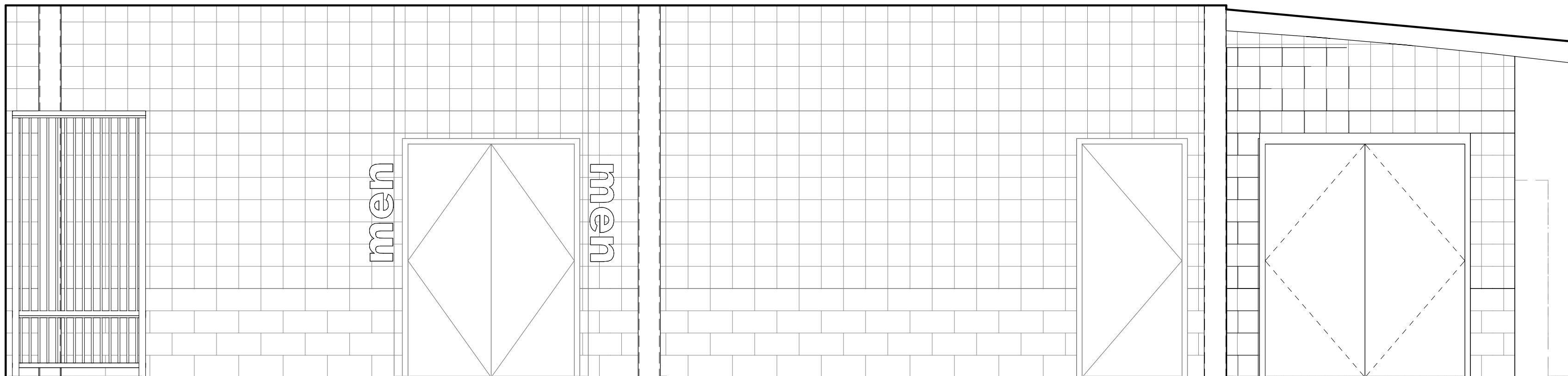
4 Elevation 2 - a Copy 1
PT103 3/8" = 1'-0"



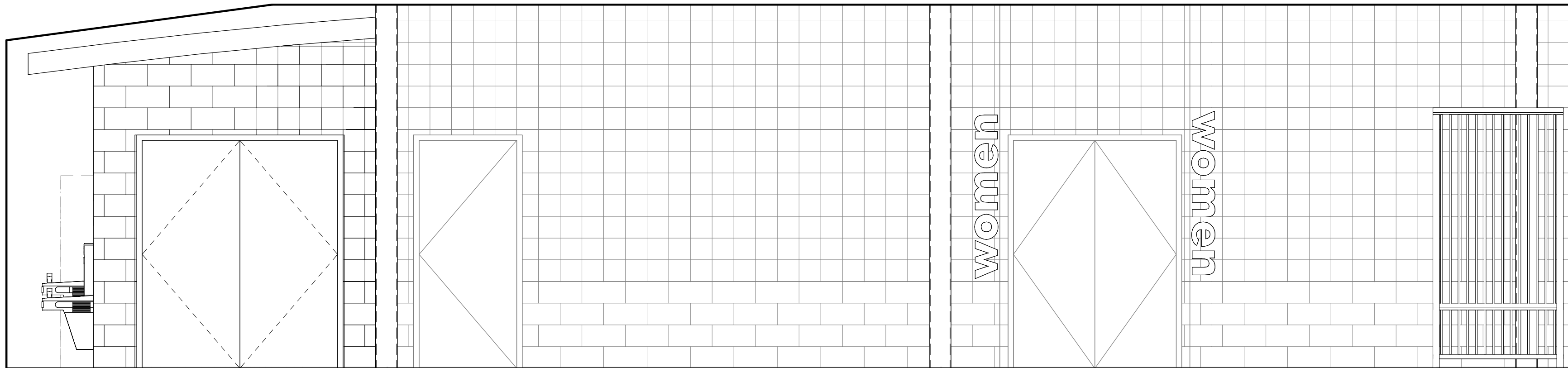
3 Elevation 2 - a
PT103 3/8" = 1'-0"



6 3D View 1
PT103



2 Elevation 1 - c
PT103 3/8" = 1'-0"



1 Elevation 1 - a
PT103 3/8" = 1'-0"



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Sycamore Trails Aquatic Center

400 S. Heincke Road
Miamisburg, 45342

ISSUANCES

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Drawn By

Author

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Checker

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948

Project

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7383

DRAWING TITLE

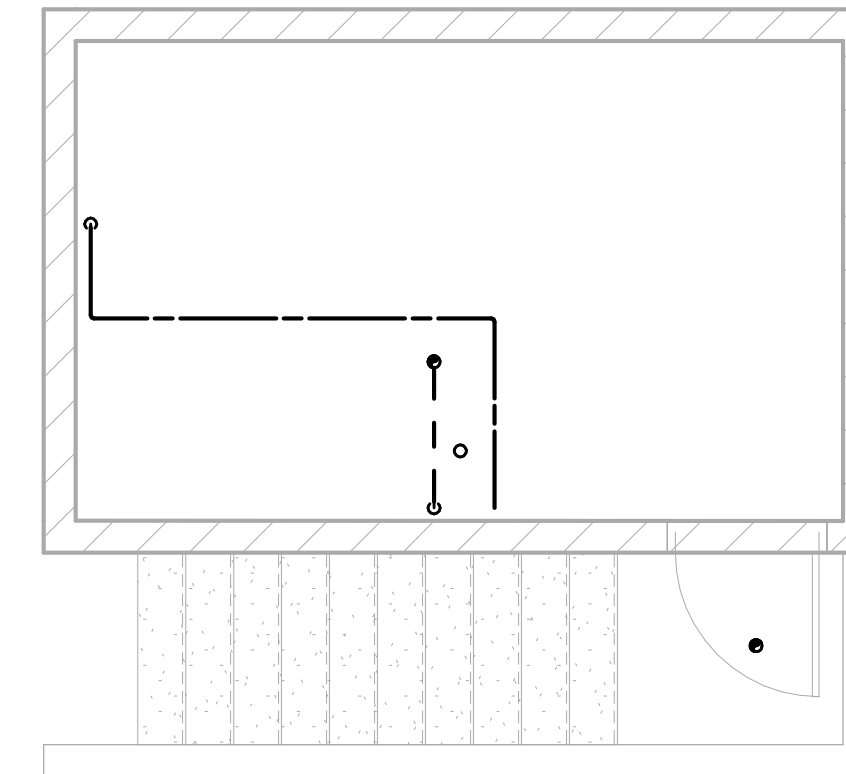
FINISH ELEVATIONS &
ISOMETRICS

SHEET NO.

PT103

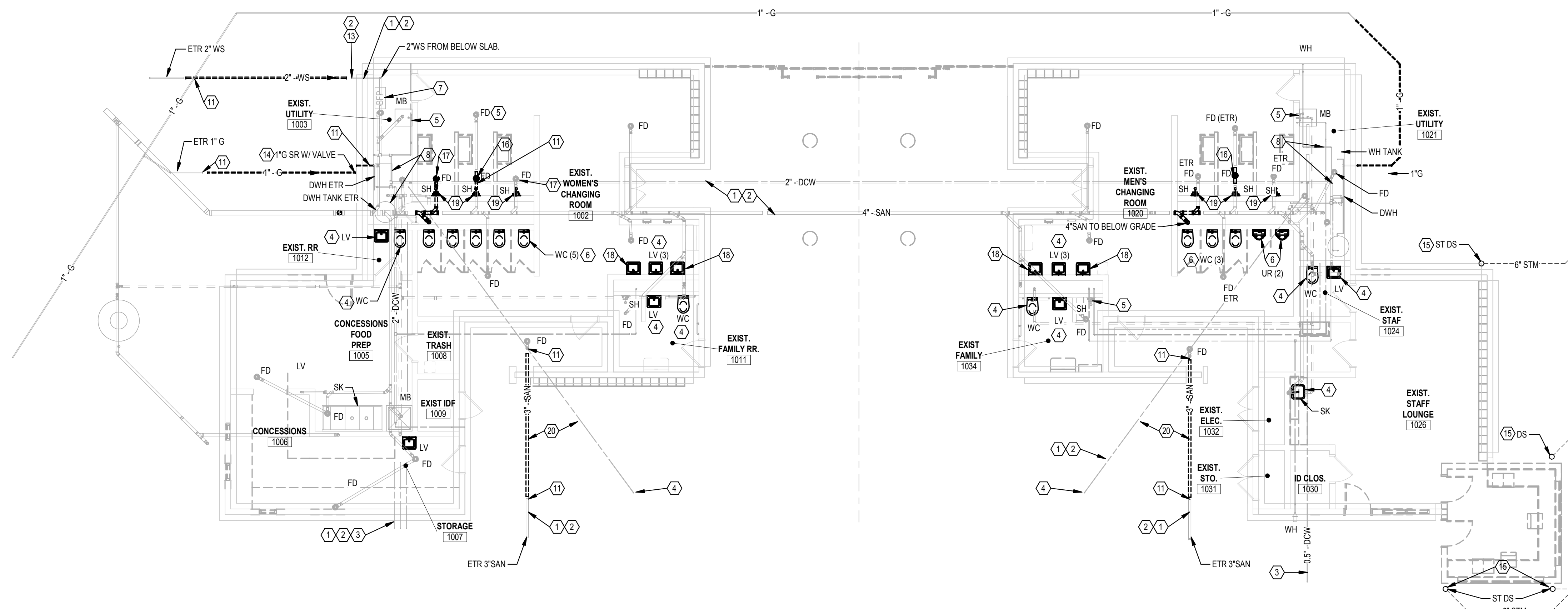
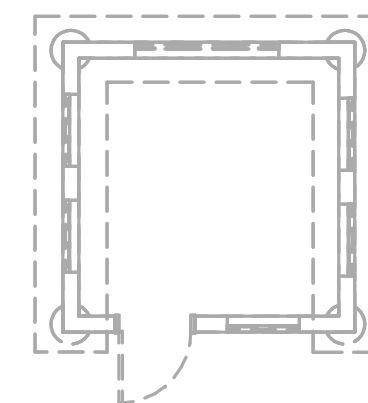
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2 SLIDE PUMP HOUSE - DEMO

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



1 **MAIN BUILDING - DEMO**
SCALE: 1/8" = 1'-0"



- # PLAN NOTES
- EXISTING PIPING TO REMAIN.
 - PIPING LOCATED BELOW FLOOR SLAB AND/OR GRADE.
 - PIPING CONTINUED ON SITE UTILITY PLAN.
 - REMOVE EXISTING PLUMBING FIXTURE AND ALL ASSOCIATED DEVICES, VALVES, SUPPLY/DRAIN TRIM, ETC. SANITARY AND WATER ROUGH-INS TO REMAIN FOR RECONNECTION IN NEW WORK.
 - EXISTING PLUMBING FIXTURE TO REMAIN.
 - REMOVE EXISTING PLUMBING FIXTURE AND ALL ASSOCIATED DEVICES, VALVES, SUPPLY/DRAIN TRIM, ETC. REMOVE SANITARY PIPING AND ASSOCIATED CARRIERS ENTIRELY. REMOVE VENT PIPING BACK TO MAIN VENT RISER FOR RECONNECTION IN NEW WORK. REMOVE WATER SUPPLY ROUGH-INS TO POINTS OF REWORK FOR NEW TOILET BANK INDICATED IN NEW WORK PLANS.
 - EXISTING 2" DOMESTIC WATER SERVICE METER AND BACKFLOW PREVENTER TO REMAIN.
 - EXISTING WATER HEATER AND STORAGE TANK TO REMAIN. DEMO AND REPAIR ALL CORRODED PIPING INTERCONNECTED BETWEEN TANK AND WATER HEATER.
 - REMOVE ALL EXISTING COLD AND HOT WATER SUPPLY PIPING ENTIRELY COMING TO AND EXTENDING FROM EXISTING (SHELT) MOUNTED WATER HEATER (LOOSE PEX PIPING) WATER HEATER TO BE RESUPPLIED IN NEW WORK AND EXTENDED TO NEW FIXTURES AS INDICATED.
 - REMOVE EXISTING GAS METER SETTING TO ACCOMMODATE NEW CONSTRUCTION AND DOOR OPENING IN NEW WORK. NEW GAS METER TO BE RELOCATED JUST AROUND CORNER ON WEST FACE OF BUILDING.
 - REMOVE EXISTING PIPING TO THIS POINT FOR RECONNECTION IN NEW WORK.
 - EXISTING BOILERS AND UNIT HEATERS TO BE REMOVED. REMOVE ASSOCIATED GAS SUPPLY PIPING AND DEVICES ENTIRELY.
 - EXCAVATE AND REMOVE EXISTING WATER SERVICE TO THIS POINT FOR RELOCATION IN NEW WORK. NEW WATER SERVICE TO BE ROUTING TO THE EAST TO ACCOMMODATE NEW ADDITION. COORDINATE SHUT-DOWN OF SERVICE AND REQUIREMENTS WITH WATER PURVEYOR. REFER TO SITE UTILITY PLAN AND NEW WORK PLAN FOR FURTHER DETAILS.
 - SIMILAR TO THE WATER SERVICE REMOVE THE EXISTING GAS SERVICE. RELOCATE THIS LOCATION TO ACCOMMODATE THE NEW ADDITION. A NEW RISER SHALL BE PLACED AT EXTERIOR WALL OF NEW ADDITION. SHUT-OFF VALVE LOCATED AT MAIN MECHANICAL PUMP HOUSE. REFER TO SITE UTILITY PLAN AND NEW WORK PLANS FOR FURTHER DETAILS.
 - EXISTING DOWN SPOUTS AND ASSOCIATED PIPING TO BE REMOVED TO ACCOMMODATE NEW ADDITION. COORDINATE PIPING REMOVALS WITH CIVIL / SITE UTILITY DRAWINGS.
 - REMOVE EXISTING FLOOR DRAIN. EXISTING SANITARY ROUGH-IN TO REMAIN FOR RECONNECTION IN NEW WORK.
 - REMOVE EXISTING FLOOR DRAIN. PLUG SANITARY ROUGH-IN PIPING WITH CONCRETE AND PATCH EXISTING FLOOR TO MATCH SURROUNDING FLOOR SURFACE.
 - REMOVE EXISTING LAVATORY SANITARY, VENT, AND WATER SUPPLY ROUGH-INS TO NEAREST ACTIVE MAINS AND CAP. NEW MONOLITHIC FIXTURE TO BE PROVIDED IN NEW WORK UTILIZING CENTER FIXTURE. SANITARY AND WATER SUPPLY ROUGH-INS.
 - REMOVE EXISTING SHOWER HEAD, ASSOCIATED SUPPLY TRIM, AND PIPING. REMOVE PIPING BACK TO NEAREST ACTIVE MAIN AND CAP (WITHIN CHASE).
 - REMOVE OR ABANDON EXISTING BELOW SLAB PIPING.
 - REMOVE COLD WATER PIPING TO BELOW SLAB AND CAP.

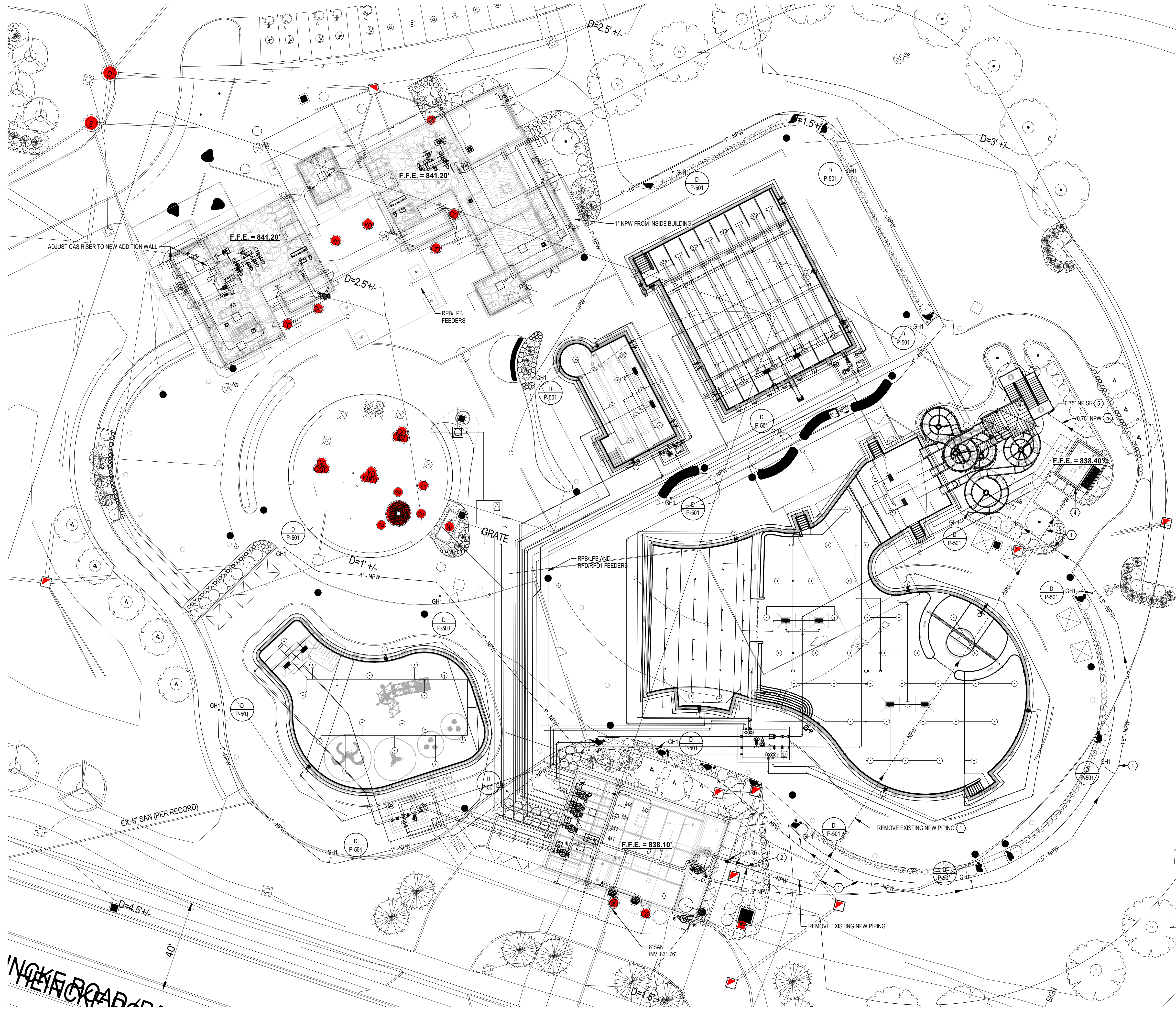
ISSUANCES		
No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

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Author	
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Client Number	948
Project Number	7383

DRAWING TITLE

PLUMBING FLOOR
PLANS - DEMOLITION

SHEET NO. PD-101



- PLAN NOTES**
- 1 EXISTING 1" NPW SUPPLY FROM MAIN PUMP HOUSE TO SLIDE PUMP HOUSE SHALL BE REMOVED AND/OR ABANDONED ENTIRELY. NEW TO BE PROVIDED AS INDICATED IN CONJUNCTION WITH GROUND HYDRANT LOOP.
 - 2 2" IRRIGATION FEED. REFER TO IRRIGATION DESIGN DRAWINGS FOR CONTINUATION.
 - 3 REMOVE AND REPLACE EXISTING CONCRETE WALK AS NEEDED TO ACCOMMODATE NEW NPW AND IRRIGATION FEEDERS.
 - 4 BACK FEED SLIDE NPW SUPPLY AT BUILDING WALL.
 - 5 EXTEND 0.75" WATER SUPPLY FROM INSIDE SLIDE PUMP BUILDING TO SLIDE STAIRWELL AND EXTEND UP TO TOP LEVEL OF SLIDE PLATFORM. TERMINATE WITH NEW HOSE BIB TO FACILITATE SPRAY DOWN.



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PLUMBING SITE

UTILITY PLAN

SHEET NO.

P-101

1 PLUMBING SITE PLAN - NEW WORK
SCALE: 1" = 20'-0"

HEAPY
PROJECT NO. 2024-07037.01

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PLAN NOTES

- EXISTING PIPING TO REMAIN.
- PIPING LOCATED BELOW SLAB AND/OR GRADE.
- EXISTING PLUMBING FIXTURE TO REMAIN.
- PROVIDE 2" HUB DRAIN TO 4" ABOVE SLAB (FOR CONDENSATE). LOCATE TIGHT TO EXPOSED TO CMU WALL. ROUTE VENT RISER TIGHT TO WALL BEFORE OFFSET IN CEILING.
- PIPING CONTINUED ON SITE/CVL PLAN.



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PLUMBING NEW
WORK FLOOR PLANS

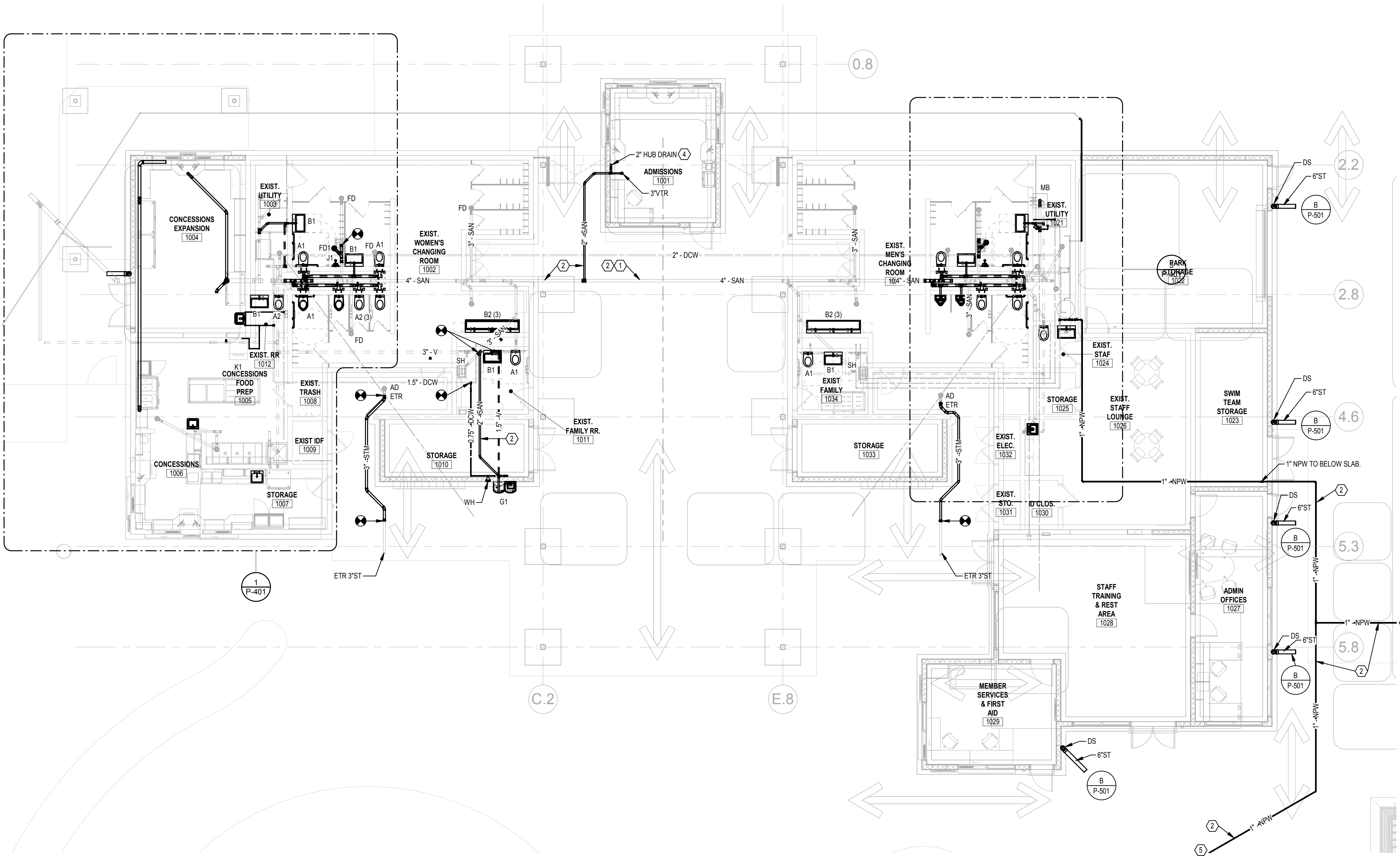
SHEET NO.

P-201



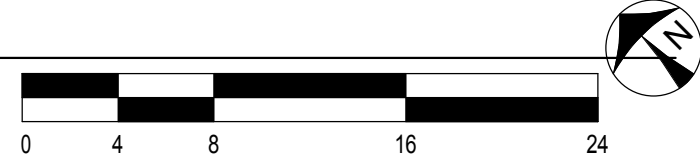
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1 PLUMBING - MAIN BUILDING

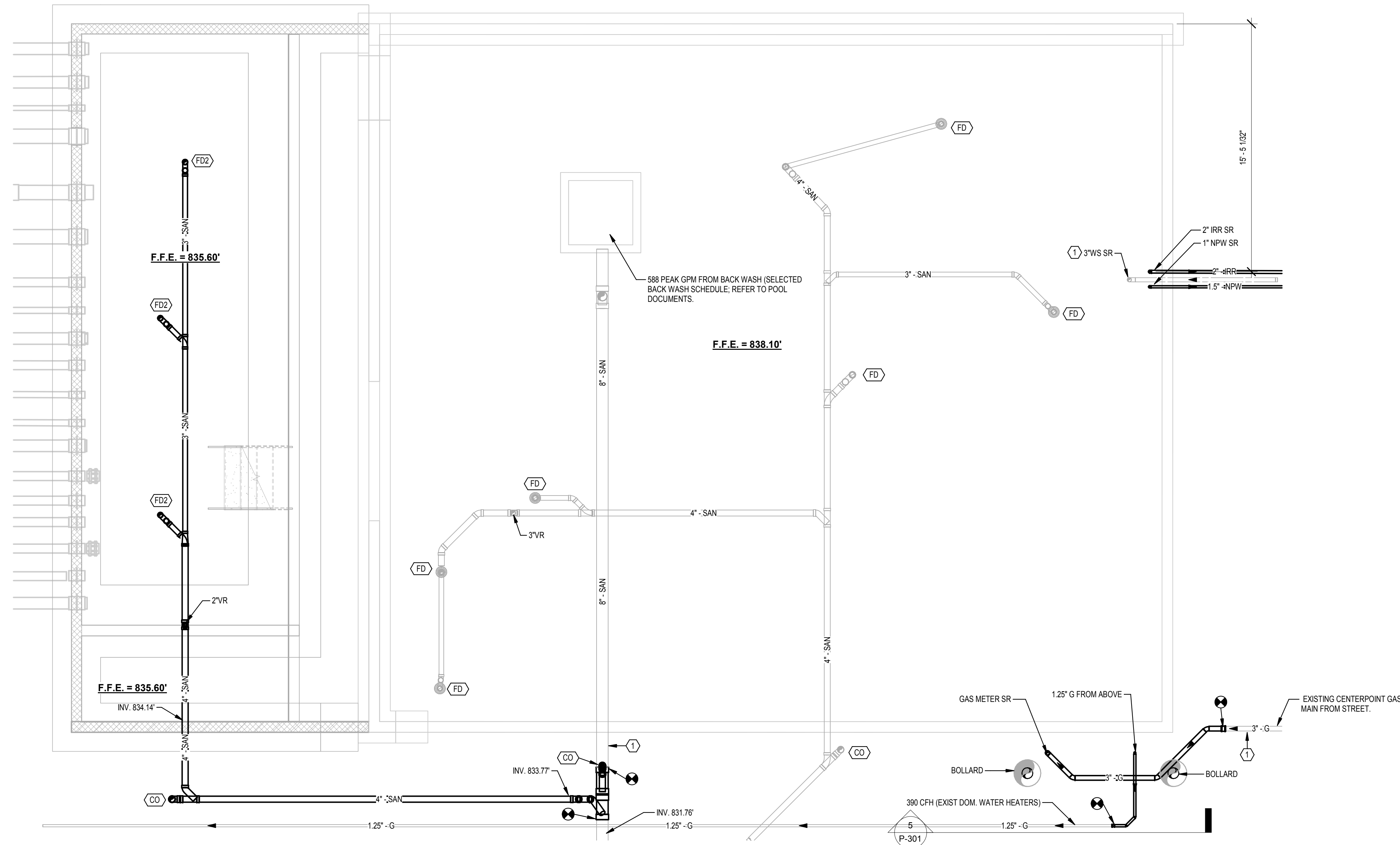
SCALE: 1/8" = 1'-0"



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PLAN NOTES

1 EXISTING PIPING TO REMAIN.



1 ENLARGED MAIN PUMP HOUSE - FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



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MAIN PUMP HOUSE FOUNDATION PLAN

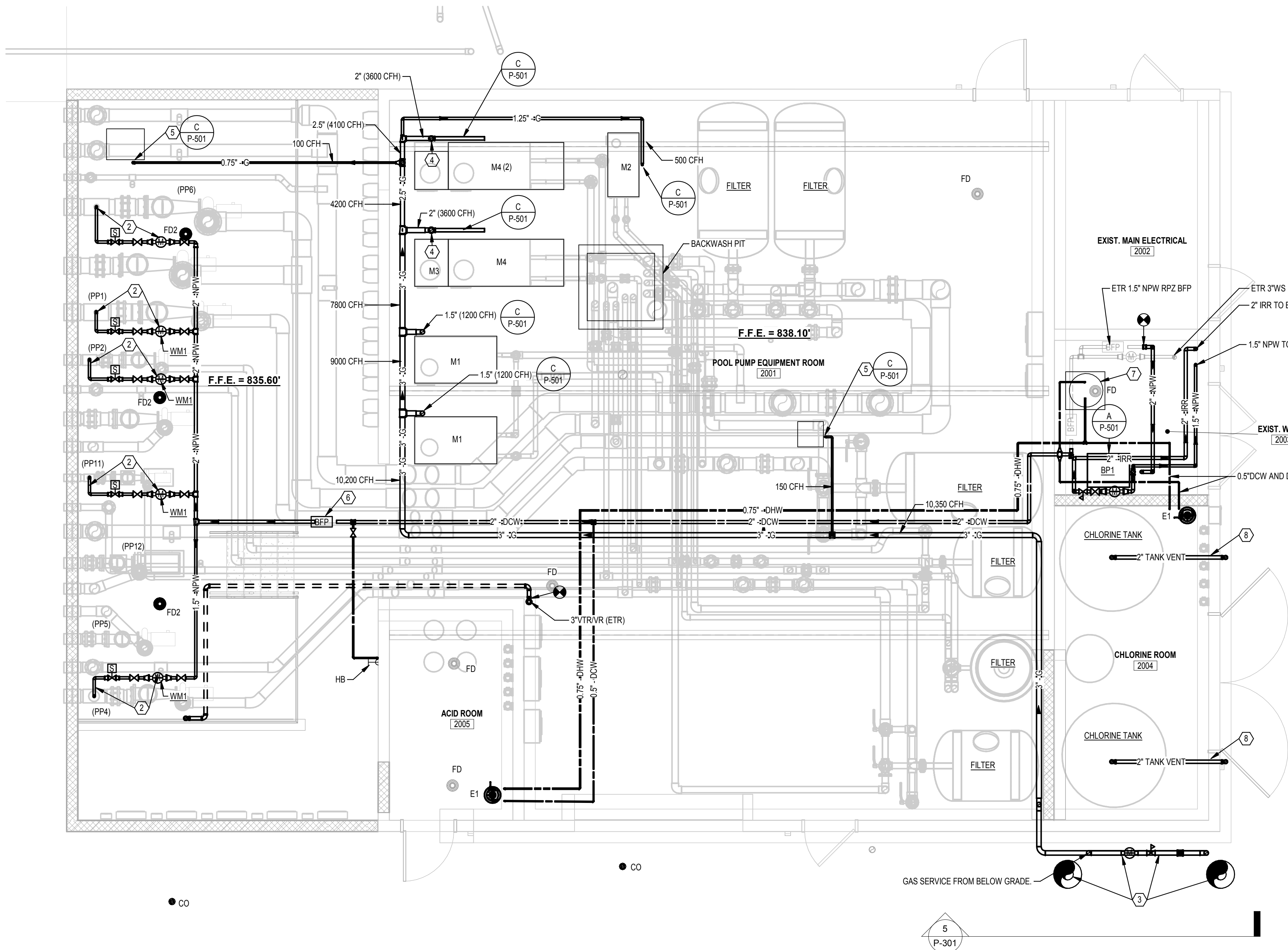
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P-300

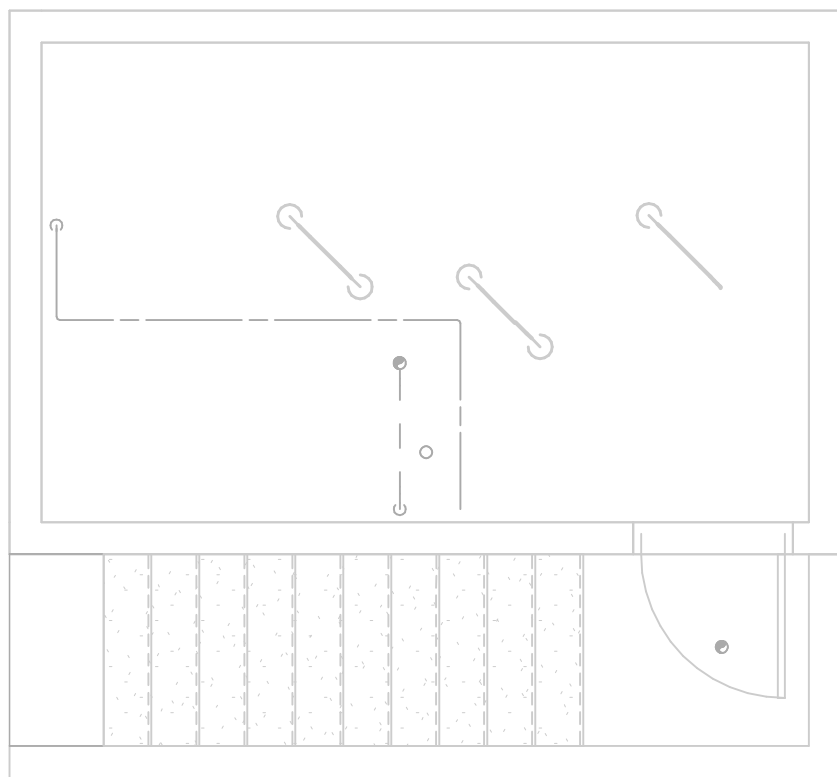


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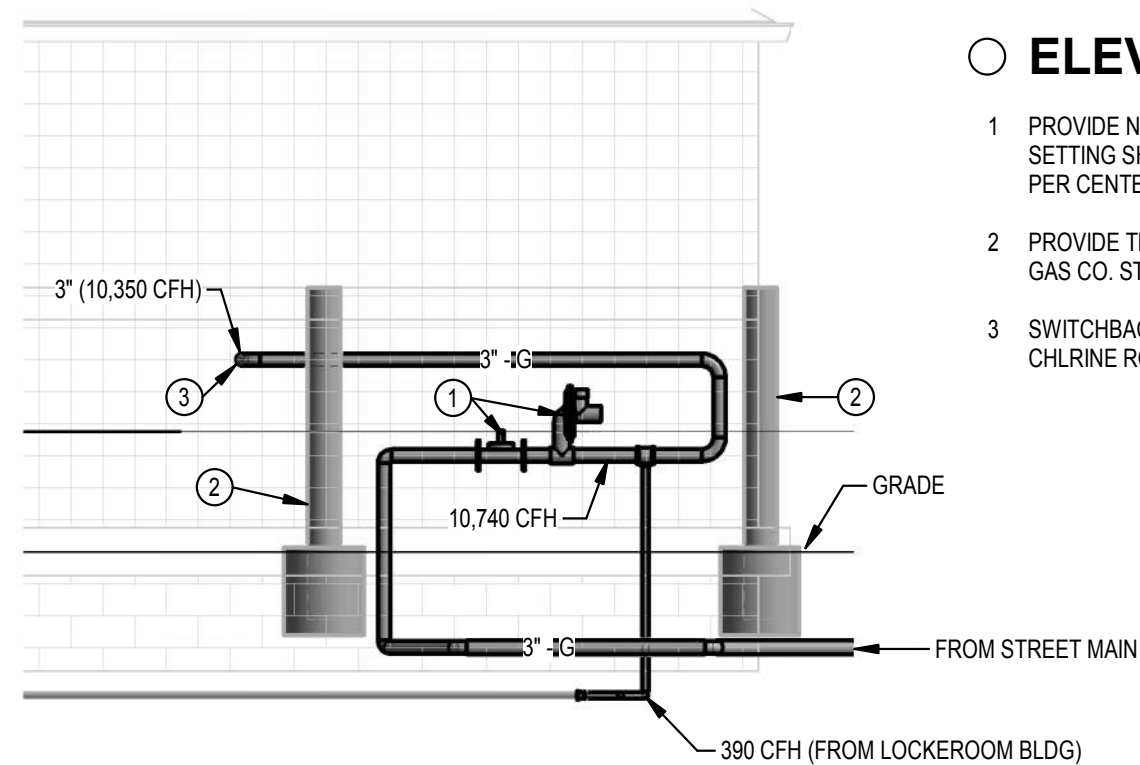
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1 ENLARGED MAIN PUMP HOUSE
SCALE: 1/4" = 1'-0"



2 SLIDE PUMP HOUSE
SCALE: 1/4" = 1'-0"



5 GAS METER ELEVATION
SCALE: 1/4" = 1'-0"

EQUIPMENT DATA

WM1 SUB-WATER METER FOR POOL MAKE-UP AND IRRIGATION. WATER METER SHALL BE POSITIVE DISPLACEMENT TYPE, 150 PSI OPERATING PRESSURE, WITH BRONZE HOUSING AND 1.5% ACCURACY. METER SHALL BE CAPABLE OF MEASURING WATER USE DOWN TO A LEAK RATE OF .03125 GPM FOR FLOWS BELOW 0.5 GPM. METER ACCESSORIES SHALL INCLUDE A UNIT-MOUNTED SOLID-STATE ELECTROMECHANICAL TOTALIZER IN GALLONS / UNIT-MOUNTED SOLID-STATE PROGRAMMABLE LCD READOUT. METERS FOR DEDUCT USE (IRRIGATION) SHALL READ IN UNITS REQUIRED BY THE LOCAL WATER UTILITY PROVIDER.

INSTALL MAKE-UP WATER METER PER MANUFACTURER'S INSTRUCTIONS. PROVIDE A REMOTE READOUT AND MOUNT ON WALL, WITH ENGRAVED BRASS/PLASTIC LABEL INDICATING SERVICE LINE DUTY (BY POOL LOCATION). COORDINATE ANY LOW VOLTAGE POWER REQUIREMENTS WITH THE BAS INSTALLER.

DESIGN BASIS: BADGER METER RECORDALL (RCDL) OR APPROVED EQUAL

PLAN NOTES

- EXISTING PIPING TO REMAIN.
- PROVIDE 1.5" NON-POTABLE MAKE-UP WATER CONNECTION TO INLET PORT OF POOL PUMP. PROVIDE ISOLATION VALVE, LINE SIZE SUB METER, SOLENOID VALVE AND MANUAL BYPASS (N/C). SOLENOID VALVE IS FURNISHED BY POOL CONTRACTOR BUT INSTALLED BY P.C. REFER TO POOL DRAWINGS FOR FURTHER CONNECTION LOCATIONS AND DETAILS.
- PROVIDE NEW NATURAL GAS METER SETTING AT THIS LOCATION. NEW GAS SETTING SHALL BE RATED 10,740 CFH AT 2 PSI. INSTALLATION SHALL BE PER CENTERPOINT STANDARDS. PROVIDE TRAFFIC BOLLARDS AT EITHER END OF THE METER SETTING PER GAS CO. STANDARDS.
- THIS GAS DROP SERVES TWO BOILERS (STACKED) WITH EACH BOILER REQUIRING ITS OWN GAS TRAIN CONNECTION. REFER TO REGULATOR DETAIL.
- PROVIDE CONNECTION TO HVAC UNIT HEATER (BY HC).
- PROVIDE NEW 2" RP2 BACKFLOW PREVENTER FOR NON-POTABLE FEED TO POOL MAKE-UP. ROUTE BFP DISCHARGE TO NEAREST FLOOR DRAIN OR RECEPTOR.
- PROVIDE ALL NEW DCW AND DHW SUPPLIES FROM EXISTING SHELF MOUNTED WATER HEATER (ELEC. STORAGE 30 GALLON UNIT). EXTEND TO EYE WASH UNITS AS INDICATED.
- PROVIDE 2" PVC TANK VENTS FOR CHEMICAL STORAGE. CONNECT TO TANK AND TERMINATE TO EXTERIOR WITH DOWNTURNED ELBOW AND INSECT SCREEN.

ELEVATION NOTES

- PROVIDE NEW NATURAL GAS METER SETTING AT THIS LOCATION. NEW GAS SETTING SHALL BE RATED 10,740 CFH AT 2 PSI. INSTALLATION SHALL BE PER CENTERPOINT STANDARDS.
- PROVIDE TRAFFIC BOLLARDS AT EITHER END OF THE METER SETTING PER GAS CO. STANDARDS.
- SWITCHBACK GAS SUPPLY TO THIS LOCATION TO AVOID CORROSIVE CHLORINE ROOM. SEAL PENETRATION WATER TIGHT.



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PLUMBING NEW
WORK FLOOR PLANS

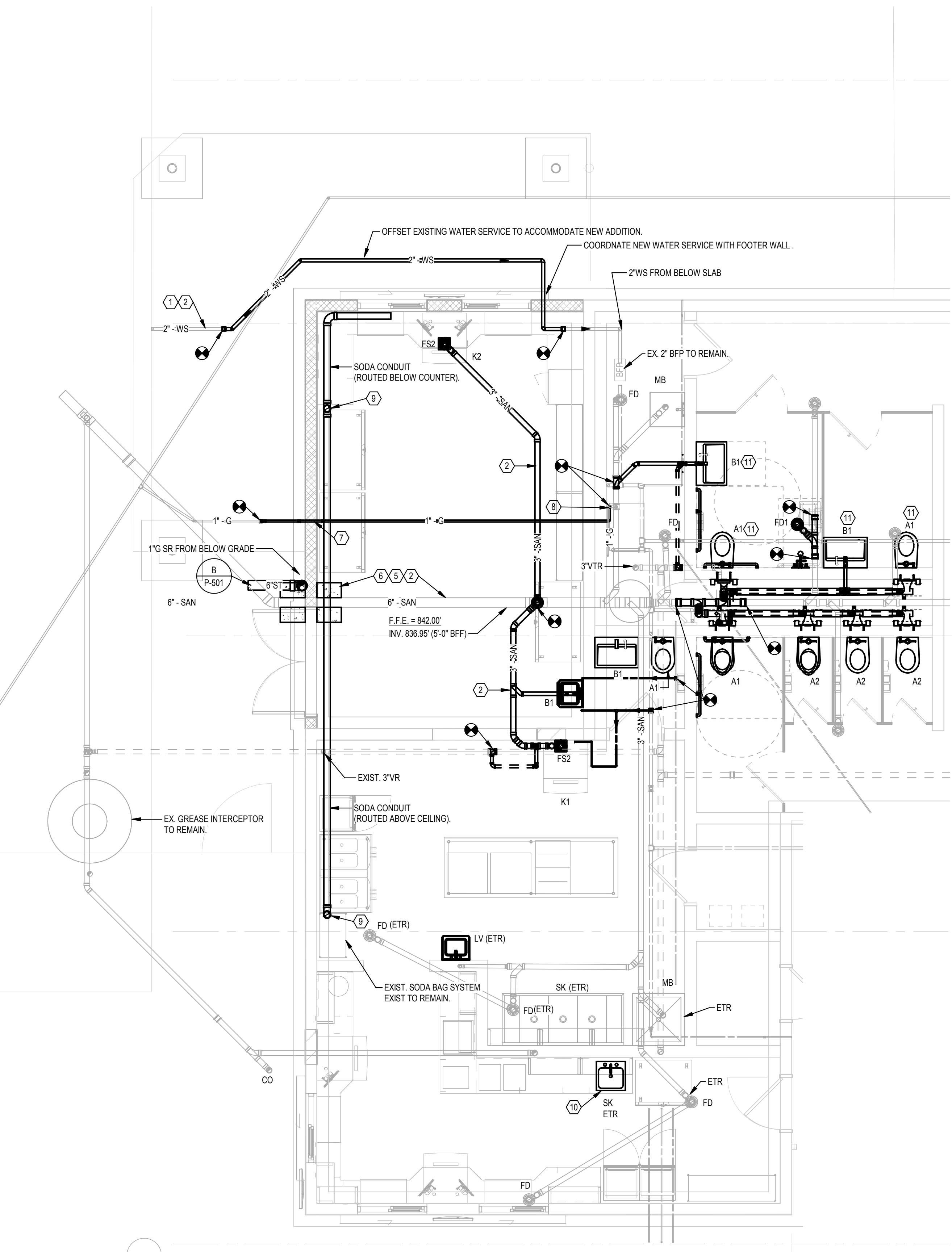
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P-301

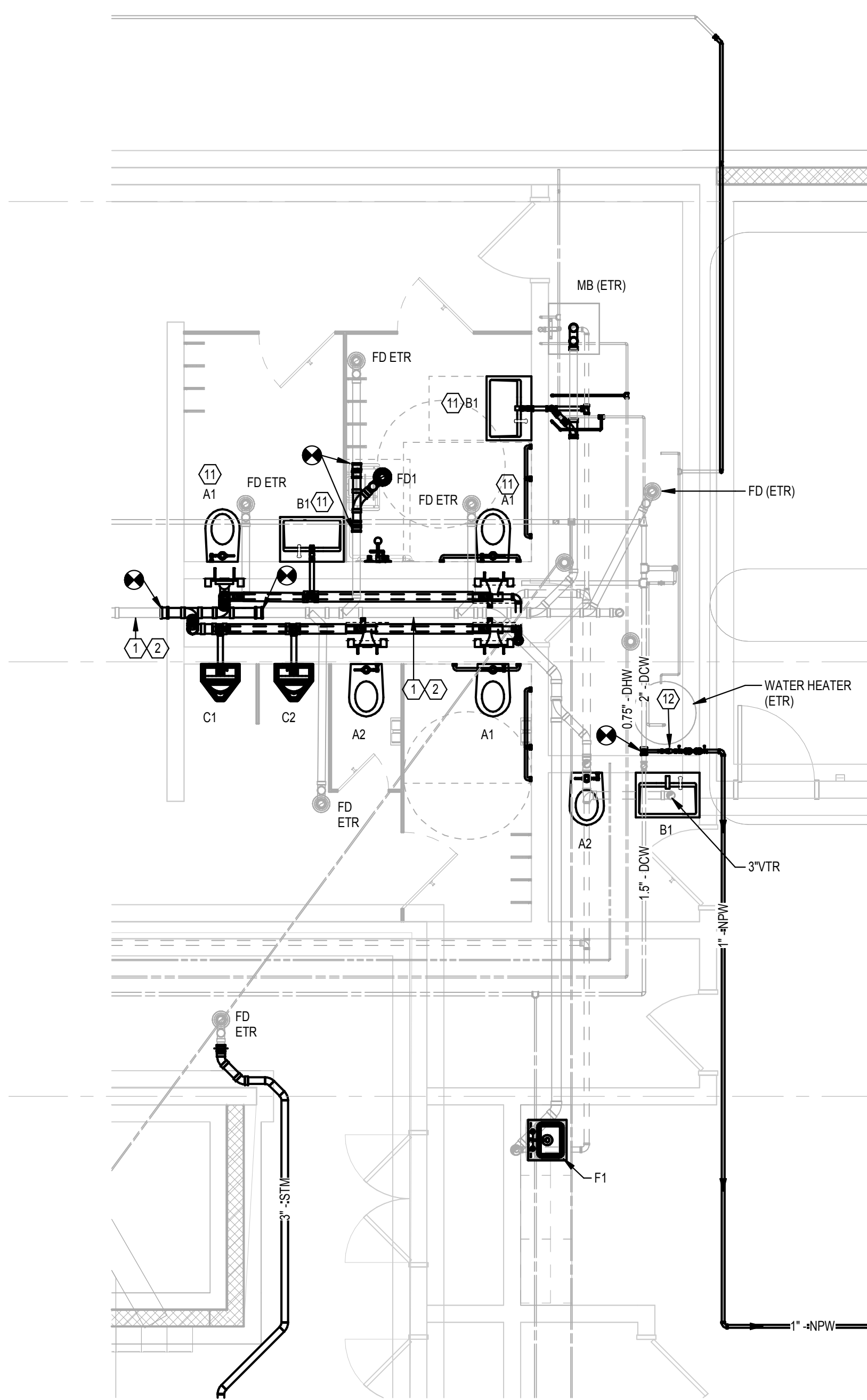


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1 ENLARGED CONCESSIONS PLAN
SCALE: 1/4" = 1'-0"



3 ENLARGED SOUTH RR & MECH ROOM PLAN
SCALE: 1/4" = 1'-0"

PLAN NOTES

- EXISTING PIPING TO REMAIN.
- PIPING LOCATED BELOW SLAB AND/OR GRADE.
- EXISTING PLUMBING FIXTURE TO REMAIN.
- PROVIDE 2" HUB DRAIN TO 4" ABOVE SLAB (FOR CONDENSATE). LOCATE TIGHT TO EXPOSED TO CMU WALL. ROUTE VENT RISER TIGHT TO WALL BEFORE OFFSET IN CEILING.
- EXISTING LOCATION OF 6" SANITARY MAIN AND NEW WALL INTERSECTION UNKNOWN. INDICATED LOCATION AND INVERT ARE APPROXIMATE ACCORDING TO EXISTING DRAWINGS. VERIFY EXACT CONNECTION LOCATION IN FIELD.
- FOOTER WILL REST ON TOP OF SANITARY MAIN (VERIFY EXACT LOCATION). PROVIDE 10" CAST-IRON SLEEVE AROUND PIPING AT WALL INTERSECTION ENCASED WITH CONCRETE FLOWABLE FILL AROUND EXISTING SANITARY MAIN SUPPORTING FOOTER AND WALL ABOVE TO PREVENT CRUSHING AND UNDERMINING WALL. COORDINATE WITH MASONRY CONTRACTOR DURING FOOTER EXCAVATION AND INSTALL.
- PROVIDE NEW NATURAL GAS RISER TO 24" AFG. PENETRATE WALL AND SEAL/CAULK WATER TIGHT.
- RECONNECT TO 0.75" GAS INLET ON EXISTING WATER HEATER.
- PROVIDE 4" PVC SODA CONDUIT WITH LONG SWEEP FITTINGS. COORDINATE EXACT LOCATIONS WITH VENDOR.
- SINK IS ETR. REMOVE AND REPLACE ALL SUPPLY TRIM AND DRAINAGE TRIM SIMILAR TO SPECIFIED IN PLUMBING FIXTURE SCHEDULE.
- SUPPLY FIXTURE FROM EXISTING DOW AND/OR DHW MAINS IN CHASE (PER FIXTURE SCHEDULE).
- PROVIDE 1" RPZ BACKFLOW PREVENTER PER SPECS FOR NON-POTABLE WATER SUPPLY FOR GROUND HYDRANTS. EXTEND DISCHARGE TO NEAREST FLOOR DRAIN.



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ENLARGED
CONCESSIONS PLANS

SHEET NO.

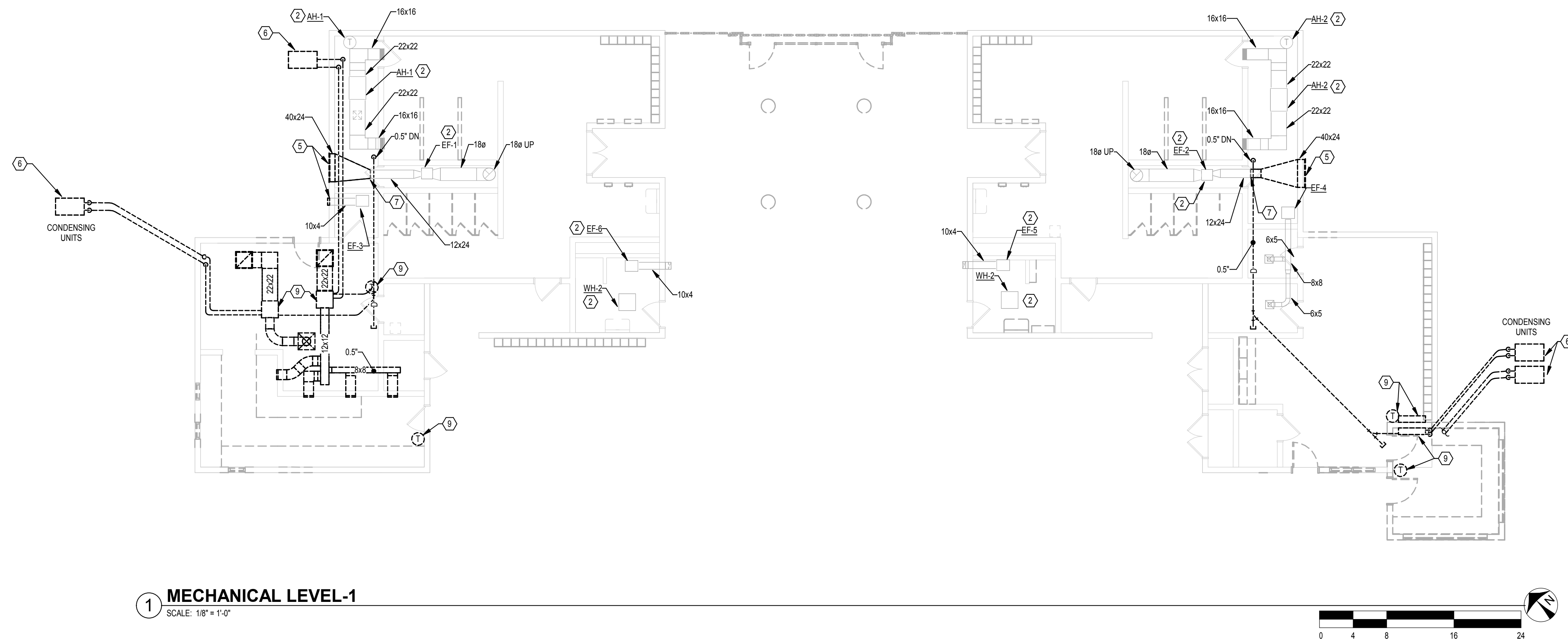
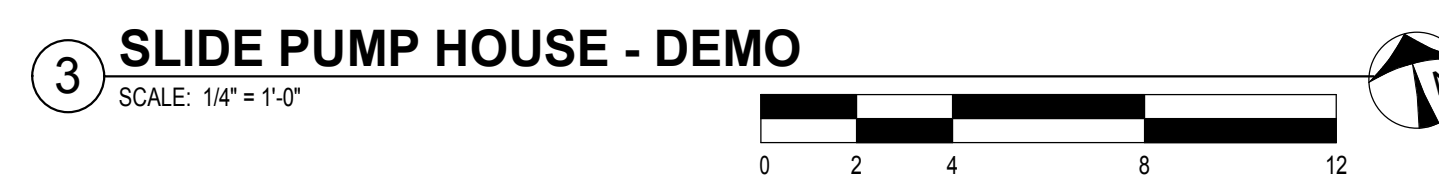
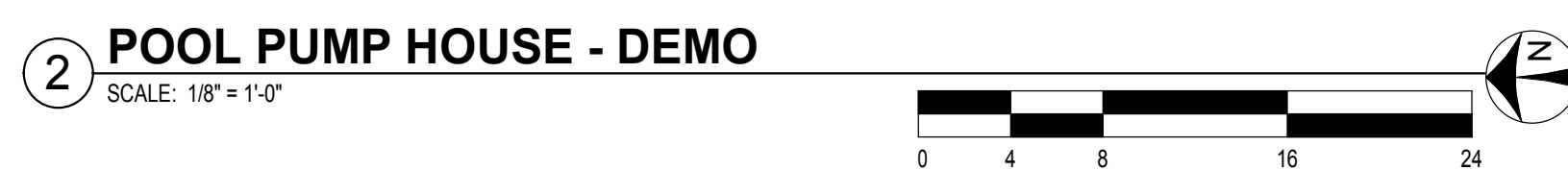
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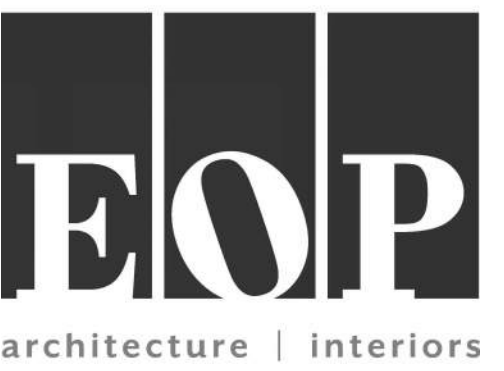
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1. REMOVE EXISTING UNIT HEATER.
2. EXISTING HVAC EQUIPMENT TO REMAIN.
3. REMOVE EXISTING UNIT HEATER AND MAINTAIN FOR RELOCATION. REFER TO NEW WORK PLAN.
4. REMOVE EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK, POWER AND CONTROLS.
5. REMOVE EXISTING LOUVER.
6. REMOVE EXISTING CONDENSING UNIT, ASSOCIATED, PIPING, POWER AND CONTROLS.
7. REMOVE DUCTWORK AND ASSOCIATED INSULATION, SUPPORTS, ETC. BACK TO POINT INDICATED. MAINTAIN FOR CONNECTION TO NEW.
8. EXISTING LOUVER TO REMAIN.
9. REMOVE EXISTING HVAC EQUIPMENT, ASSOCIATED PIPING, POWER AND CONTROLS.
10. REMOVE EXISTING CONTROLS TO UNIT HEATERS. RELOCATE AND REINSTALL IN NEW LOCATIONS. REFER TO NEW WORK PLAN.
11. REMOVE EXISTING FLUE DUCTWORK.
12. WORK BY OTHERS, COORDINATE WITH G.C.



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MECHANICAL FLOOR
PLANS - DEMOLITION :

SHEET NO.

MD-101



PROJECT NO. 2024-07037.01

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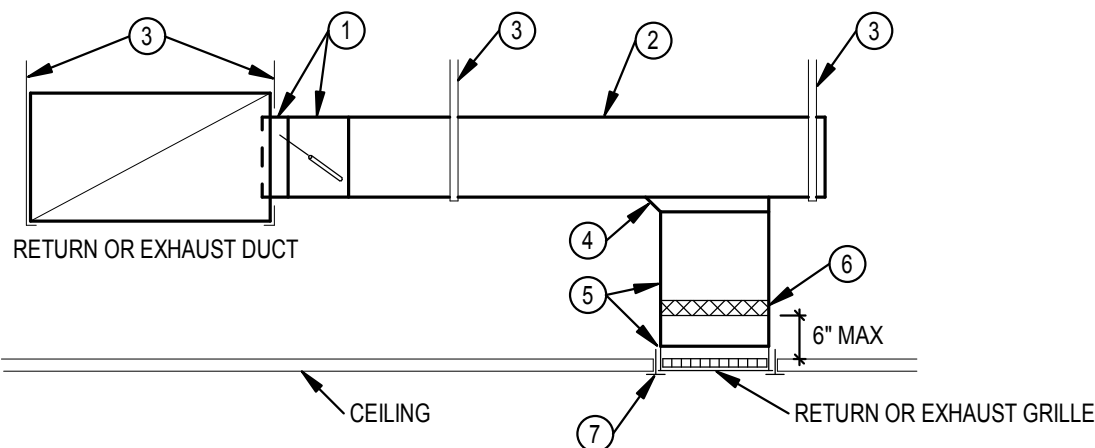
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MECHANICAL
DETAILS &
SCHEDULES

SHEET NO.

M-501

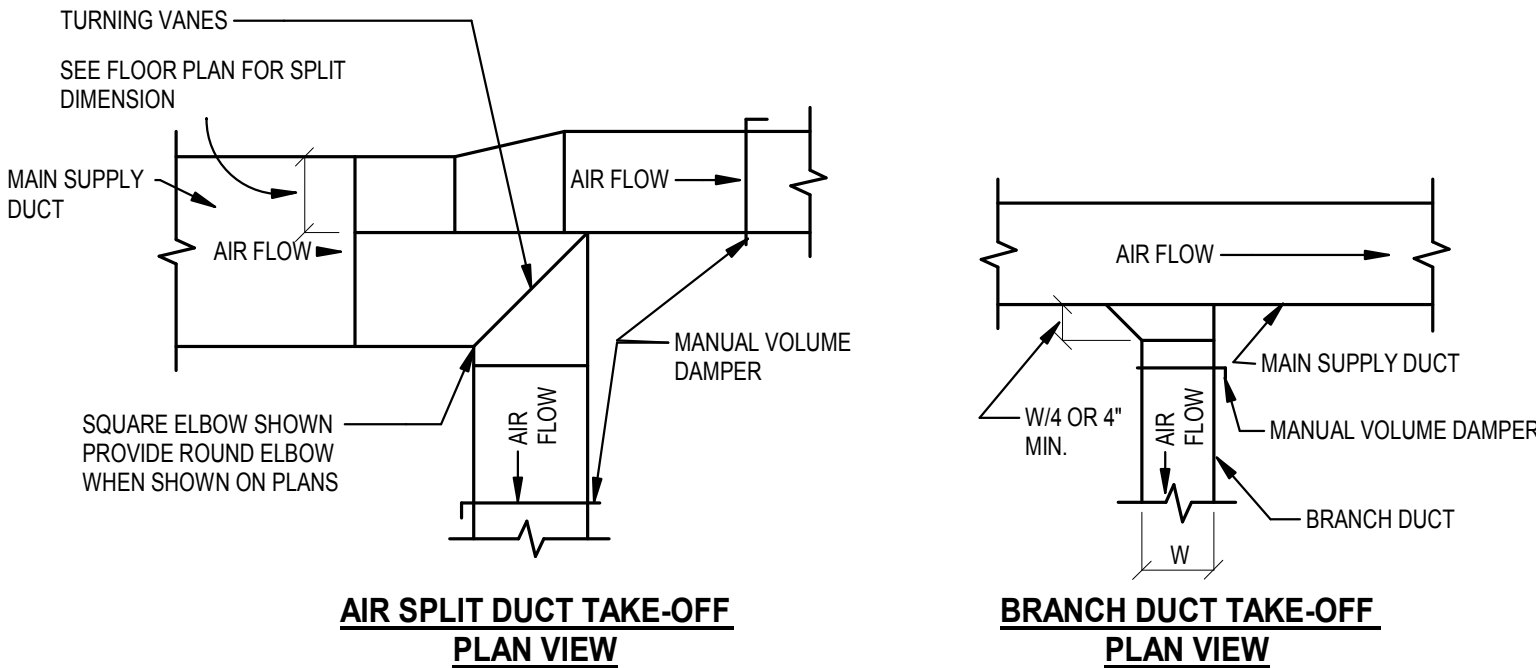
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NOTES

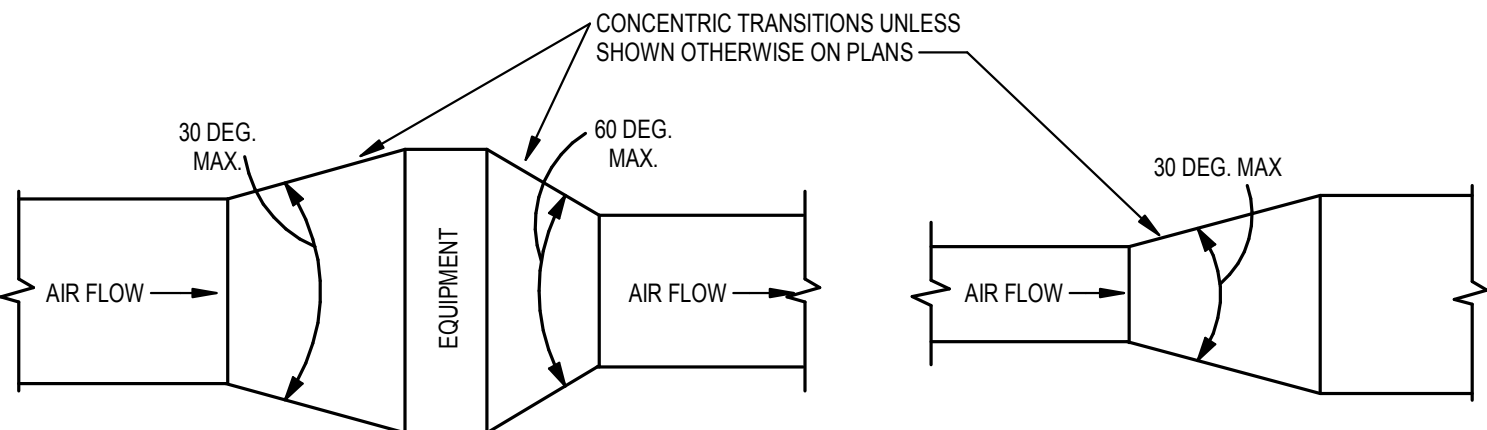
- 45 DEGREE STATIC BOOT AND MANUAL DAMPER. INTEGRAL INSULATION. GUARD SLEEVE REQUIRED WHEN MAIN DUCT HAS INTERNAL INSULATION. EXTENDED DAMPER SHAFT AND HANDLE WITH STAND-OFF REQUIRED FOR EXTERNALLY INSULATED DUCTWORK.
- SHEET METAL DUCT, SIZE AS NOTED ON PLANS.
- DUCT STRAP HANGER.
- STATIC BOOT SIMILAR TO 1 EXCEPT NO DAMPER.
- SHEET METAL DUCT, FULL SIZE OF GRILLE NECK SIZE. CONNECT AND SEAL DUCT TO GRILLE, SEAL CLASS A.
- FLEXIBLE DUCT CONNECTOR.
- CEILING T-BAR SUPPORT (FOR LAY-IN APPLICATIONS). COORDINATE AND VERIFY T-BAR TYPE FOR COMPATIBILITY WITH GRILLE.

1 RETURN/EXHAUST GRILLE DUCT CONNECTION
SCALE: 1/8" = 1'-0"



THE BRANCH DUCT TAKE-OFF MAY BE USED FOR UP TO 15% OF THE MAIN DUCT CFM, AND UP TO 40% WHEN THE MAIN DUCT VELOCITY IS 1000 FPM OR LESS. THE AIR SPLIT DUCT TAKE-OFF SHALL BE USED IN ALL OTHER CASES

4 SUPPLY DUCTWORK BRANCH TAKE-OFFS
SCALE: NONE

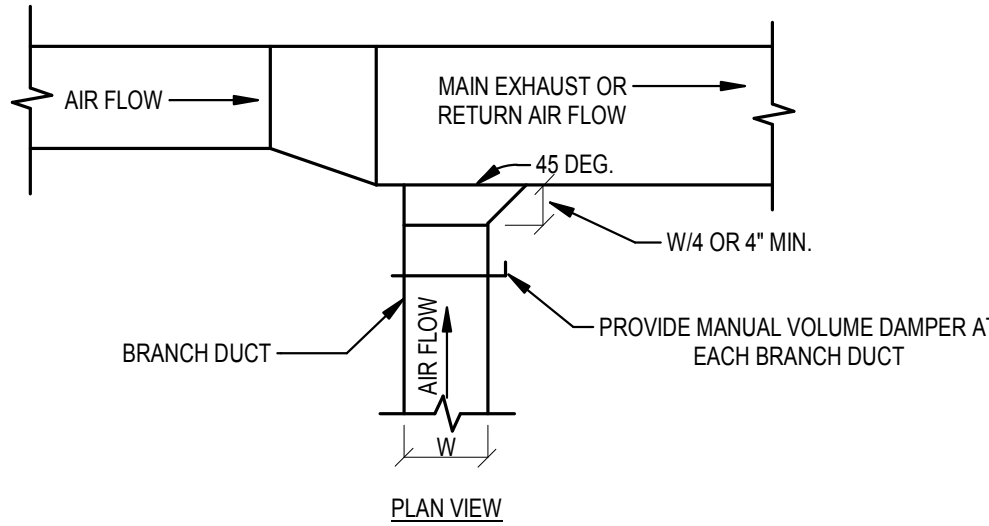


TYPICAL DUCTWORK
TRANSITION WITH EQUIPMENT
MOUNTED IN DUCT PLAN OR
SIDE VIEW

TYPICAL DUCTWORK
TRANSITION PLAN OR SIDE
VIEW

- NOTE:
- UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.
 - TRANSITION ANGLES IN AND OUT OF FANS SHALL BE 60% OF THOSE SHOWN ABOVE.

2 DUCTWORK TRANSITIONS
SCALE: NONE



3 EXHAUST OR RETURN BRANCH DUCTWORK
SCALE: NONE

GAS-FIRED UNIT HEATERS

- GENERAL NOTES:
- GAS DELIVERY PRESSURE IS 7" W.C.
 - ELECTRIC SERVICE - SINGLE POINT POWER SERVICE CONNECTION TO UNIT. ADEQUACY OF LISTED CIRCUIT SIZE MUST BE VERIFIED BY H.C. AND UNIT SUPPLIER. COST FOR INCREASE OR CHANGE OF ELECTRIC SERVICE FOR EQUIPMENT SELECTED SHALL BE BORNE BY H.C.
 - IF EC MOTORS ARE INDICATED OR SPECIFIED, EACH MOTOR SHALL BE PROVIDED WITH FACTORY DISCONNECTING MEANS, INTERNAL OVERLOAD PROTECTION, FIELD ADJUSTABLE SPEED CONTROL, AND REMOTE ANALOG SPEED CONTROL INPUT WHEN REMOTE CONTROL IS SPECIFIED, COORDINATED WITH THE BUILDING AUTOMATION SYSTEM.
 - WHEN APPLICABLE, REFER TO SPECIFICATIONS FOR VIBRATION ISOLATOR TYPES AND SEISMIC RESTRAINT REQUIREMENTS.

- NOTES:
- T-STAT SET TO OPERATE WHEN SPACE IS BELOW 60 DEG F.

MARK	DESCRIPTION	MOUNTING	LOCATION		TYPE		FAN	ELECTRICAL SERVICE		DIMENSIONS			THERMOSTAT	SEISMIC RESTRAINTS		BASIS OF DESIGN		SEE NOTE
			ROOM NAME	ROOM NUMBER	HORIZONTAL DISCHARGE	VERTICAL DISCHARGE		VOLTAGE - PHASE	FULL LOAD AMPS (FLA)	WIDTH	HEIGHT	DEPTH		REQUIRED	IMPORTANCE FACTOR	MANUFACTURER	MODEL	
GFUH-1	HORIZONTAL PROPELLER	SUSPENDED	PUMP EXPANSION	2006	•	•	1/15	208-1	2.0	27"	14"	22"	72	•	•	MODINE	HD 45	1

HVAC DESIGN DATA

- GENERAL NOTES:
- OUTDOOR DESIGN CONDITIONS:
92°F DB SUMMER
74°F WB SUMMER
1°F DB WINTER
 - DESIGN ALTITUDE: 850 FT.

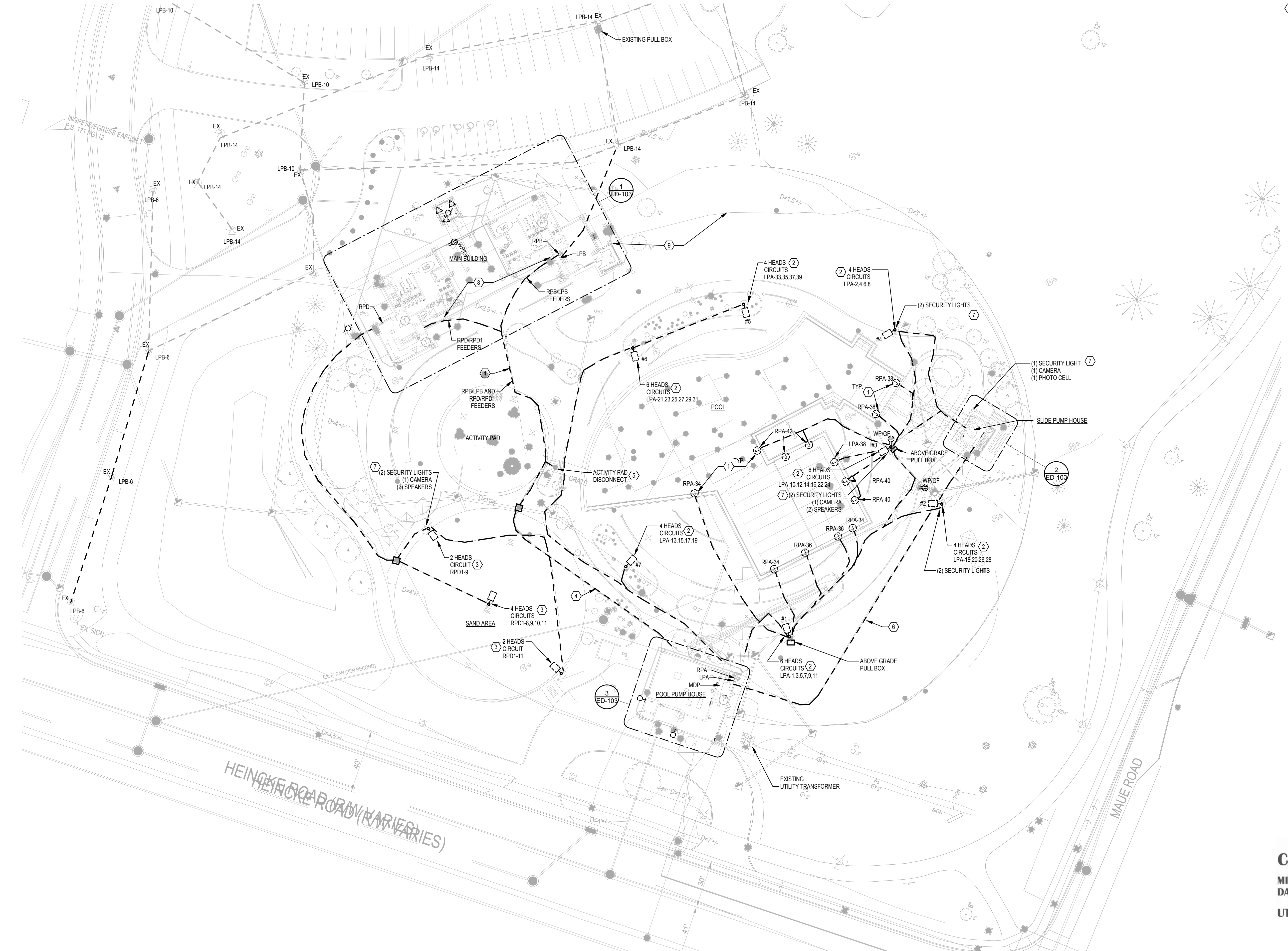
- NOTES:
- LISTED RH IS MAXIMUM ANTICIPATED AT LISTED DB TEMPERATURE.
 - "FLOATING" MEANS THERE IS NO ACTIVE CONTROL.
 - OUTDOOR AIR VENTILATION ONLY.

SPACE NAME / TYPE	INTERIOR DESIGN DATA				SEE NOTE
	SUMMER		WINTER		
	°F DB	(% RH) (NOTE 1)	°F DB	% RH	
OFFICES	75	55	70	FLOATING	-
CONCESSION	75	50	70	FLOATING	-
MECHANICAL & STORAGE RM	NOTE 3	NOTE 2	65	FLOATING	-
-	-	-	-	-	-



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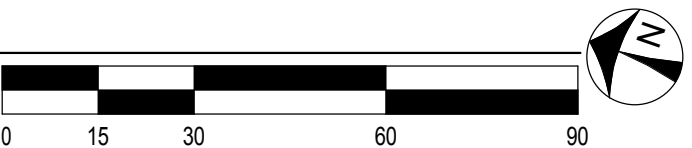


- PLAN NOTES**
- EXISTING POOL LIGHT TO BE REMOVED. REMOVE WIRING BACK TO PANEL. LABEL BREAKER AS SPARE.
 - LARGE MULTI-HEAD POLE LIGHT FOR POOL AREA TO BE REMOVED. REMOVE ALL WIRING AND CONDUIT BACK TO PANEL. LABEL BREAKER AS SPARE.
 - MULTI-HEAD POLE LIGHT FOR SAND AREA TO BE REMOVED. REMOVE ALL WIRING AND CONDUIT BACK TO PANEL. LABEL BREAKER AS SPARE.
 - EXISTING PANEL FEEDER TO BE REMOVED AND REPLACED WITH NEW TO ACCOMMODATE POOL LAYOUT. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.
 - ACTIVITY PAD SUMP DISCONNECT TO BE REMOVED BACK TO SOURCE.
 - FEEDER AND CONDUIT FOR MCC2 AND LIGHT/RECEPTACLE CIRCUIT FOR THE SLIDE PUMP HOUSE TO BE REMOVED AND REPLACED WITH NEW TO ACCOMMODATE NEW POOL LAYOUT. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION.
 - REMOVE EXISTING SECURITY LIGHTS AND WIRING WITH POLE REMOVAL. REMOVE BACK TO PANEL.
 - MULTIPLE UNDERGROUND CONDUIT FOR BRANCH CIRCUITS AND DATA ARE LOCATED IN THE AREA BETWEEN BUILDINGS. PROTECT CONDUITS DURING DEMOLITION AND NEW WORK.
 - EXISTING UNDERGROUND CONDUIT FOR FIBER SERVICE RUNS FROM UP HILL TO SIDE OF BUILDING. REFER TO FLOOR PLAN DEMOLITION FOR ADDITIONAL INFORMATION ON PARTIAL REMOVAL OF CONDUIT.

1 ELECTRICAL SITE PLAN - DEMOLITION

SCALE: 1" = 30'-0"

CALL 811
MINIMUM 2 WORK
DAYS BEFORE YOU DIG
UTILITIES PROTECTION SERVICE



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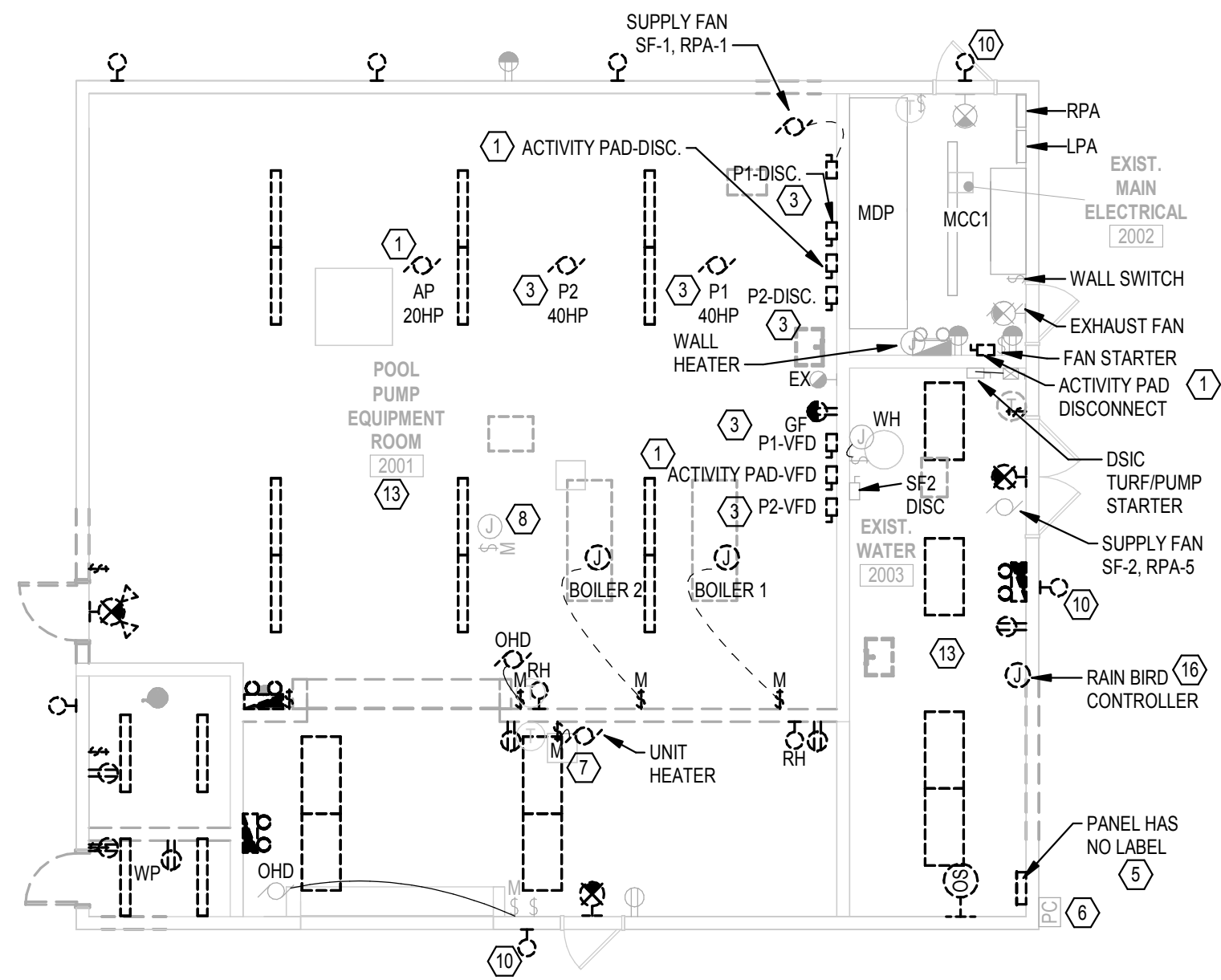
ELECTRICAL SITE PLAN - DEMOLITION

SHEET NO.

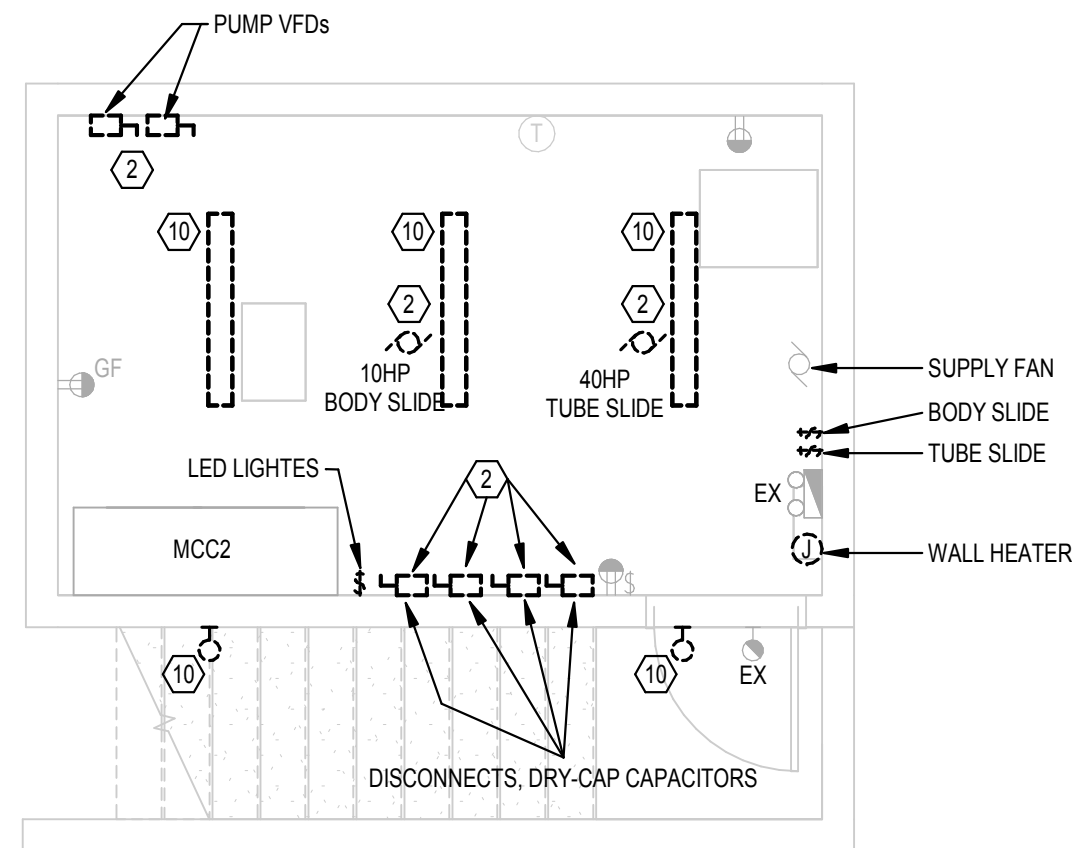
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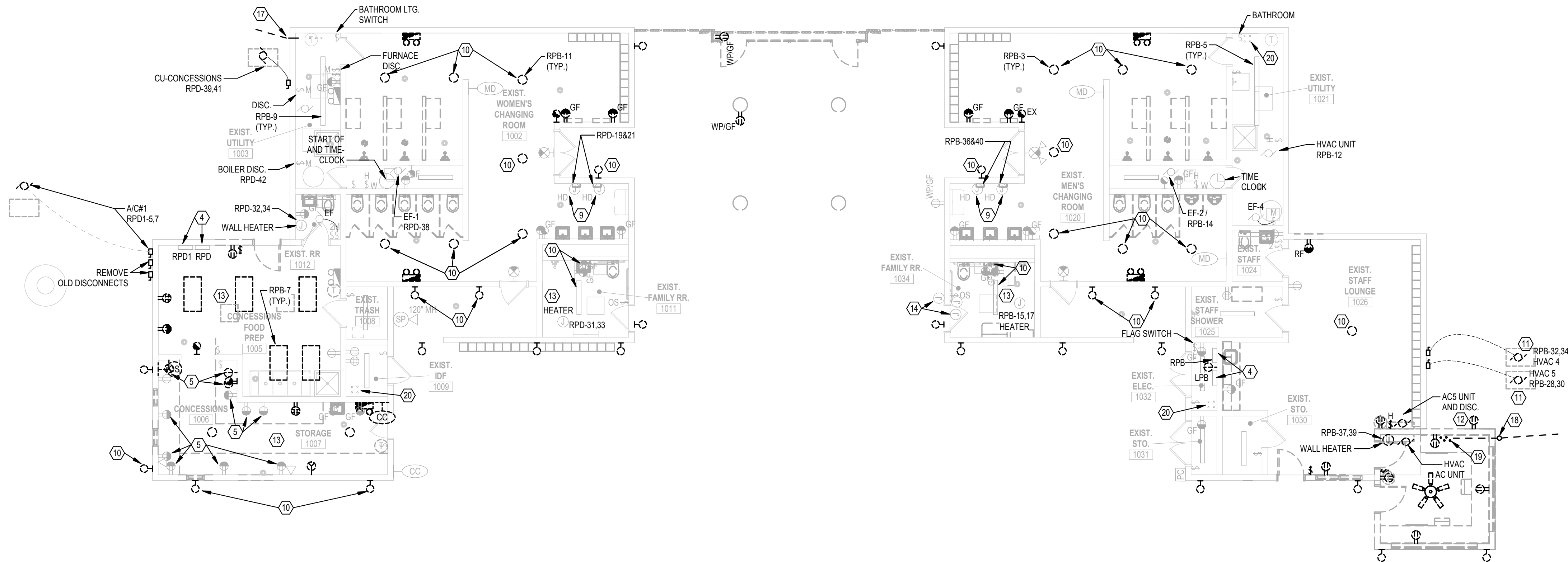
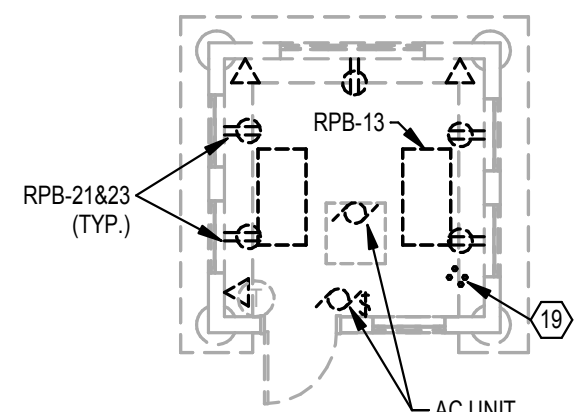
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3 POOL PUMP HOUSE - DEMO
SCALE: 1/8" = 1'-0"



2 SLIDE PUMP HOUSE - DEMO
SCALE: 1/4" = 1'-0"



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

PLAN NOTES

- EXISTING ACTIVITY PAD DISCONNECT, VFD AND CIRCUIT TO BE REMOVED AND NEW PROVIDED. REFER TO NEW WORK FOR ADDITIONAL INFORMATION.
- EXISTING PUMP ASSOCIATED WITH SLIDE ALONG WITH ASSOCIATED DISCONNECT AND VFD TO BE REMOVED. LABEL BUCKET AS SPARE.
- EXISTING POOL FILTER PUMP AND ASSOCIATED DISCONNECT AND VFD TO BE REMOVED. REMOVE WIRING BACK TO MCC. TURN BREAKER OFF FOR USE WITH NEW EQUIPMENT.
- EXISTING PANELS TO REMAIN AND BE REUSED FOR NEW WORK. EXISTING UNDERGROUND FEEDERS TO BE REMOVED AND REPLACED WITH NEW TO ACCOMMODATE NEW POOL WORK.
- EXISTING UNLABELED PANEL TO BE DISCONNECTED AND MOVED TO NEW LOCATION TO ACCOMMODATE NEW WORK. REFER TO NEW WORK PLAN. THIS PANEL FEEDS EXTERIOR LIGHTING ALONG HINKLE AND TURF PUMP EQUIPMENT.
- EXISTING PHOTOCELL FOR HINKLE LIGHTING TO REMAIN AND BE RECONNECT TO NEW PANEL LOCATION.
- EXISTING GAS FIRED UNIT HEATER TO BE REMOVED AND REINSTALLED IN NEW LOCATION. REFER TO NEW WORK PLANS.
- EXISTING GAS FIRED UNIT HEATER TO REMAIN.
- EXISTING HAND DRYER TO REMAIN.
- EXISTING FIXTURE TO BE REMOVED AND REPLACED WITH NEW IN SAME LOCATION. REFER TO NEW WORK PLANS.
- HVAC UNIT TO BE REMOVED AND REPLACED WITH NEW. REFER TO NEW WORK PLANS.
- EXISTING AC UNIT TO BE REMOVED AND REPLACED WITH NEW. REFER TO NEW WORK PLANS.
- EXISTING RECEPTACLES, EXHAUST FAN, HEATER AND LIGHTING CONTROLS TO REMAIN.
- EXISTING AUTO-DOOR OPERATOR AND ASSOCIATED WALL PLATES TO REMAIN.
- EXISTING RECEPTACLES IN THE CONCESSION AREA TO BE REMOVED AND REPLACED WITH NEW IN SAME LOCATION. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION AND CIRCUITING.
- EXISTING RAINBIRD CONTROLLER TO BE RELOCATED. REFER TO NEW WORK PLAN. EXTEND CONDUIT AND WIRING AS REQUIRED.
- EXISTING CONDUIT WITH FIBER RUNS FROM OUTSIDE, UNDERGROUND AND INTO THE BUILDING IN THIS AREA. CONDUIT TO BE REMOVED TO ACCOMMODATE NEW WORK. COORDINATE FIBER REMOVAL WITH OWNER.
- EXISTING CONDUIT RUNS UNDER FROM HILL ABOVE TO SIDE OF BUILDING. CONDUIT CONTAINS FIBER SERVICE. EXISTING CONDUIT TO BE REMOVED TO ACCOMMODATE NEW WORK. COORDINATE WITH OWNER FOR REMOVAL OF FIBER WIRE PRIOR TO DEMOLITION. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION.
- APPROXIMATE LOCATION OF EXISTING UNDERGROUND CONDUITS FOR LOW-VOLTAGE WIRING. EXISTING LOCATION TO BE DEMOLISHED TO ACCOMMODATE NEW WORK. FIND ASSOCIATED OTHER END OF CONDUIT AND CAP THOSE CONDUITS. VERIFY ALL UNDERGROUND CONDUIT CONNECTION POINTS FOR DOCUMENTATION.
- APPROXIMATE LOCATION OF EXISTING UNDERGROUND CONDUITS FOR LOW-VOLTAGE WIRING. VERIFY ALL UNDERGROUND CONDUIT CONNECTION POINTS FOR DOCUMENTATION.



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0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

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Client

Number

948

Project

Number

7383

DRAWING TITLE

ELECTRICAL FLOOR
PLANS - DEMOLITION

SHEET NO.

ED-103



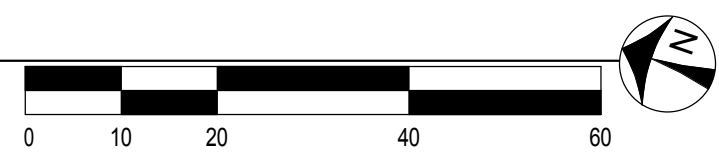
PROJECT NO. 2024-07037.01

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3/14/2025 10:06:58 AM



1 ELECTRICAL SITE PLAN - PARKING
SCALE: 1" = 20'-0"



PLAN NOTES

1. NEW LOCATION FOR EXISTING POLE. PROVIDE NEW CONDUIT AND WIRE FROM EXISTING POLES. INTERCEPT CONDUIT UNDERGROUND WHERE POSSIBLE. PROVIDE NEW BASE. FIELD VERIFY EXISTING POLE BASE DIAMETER PRIOR TO PROVIDING NEW.
2. EXISTING PARKING LOT LIGHTING ORIGINATES FROM PANEL LPB. EXISTING CIRCUITS SHALL BE IDENTIFIED FOR PATHWAY BACK TO THE PANEL. IF CIRCUITS RUN IN THIS AREA THEY SHALL BE PROTECTED DURING CONSTRUCTION TO ACCOMMODATE BUILDING ADDITIONS. IF NEEDED FOR CONSTRUCTION THE CIRCUITS SHALL BE DISCONNECTED AT THE PANEL, PULLED BACK TO A NEW PULLBOX AND RETERMINATED TO PANEL.
3. REFER TO DETAILS SHEET E-501 FOR TYPICAL DUCT BANK DETAILS.

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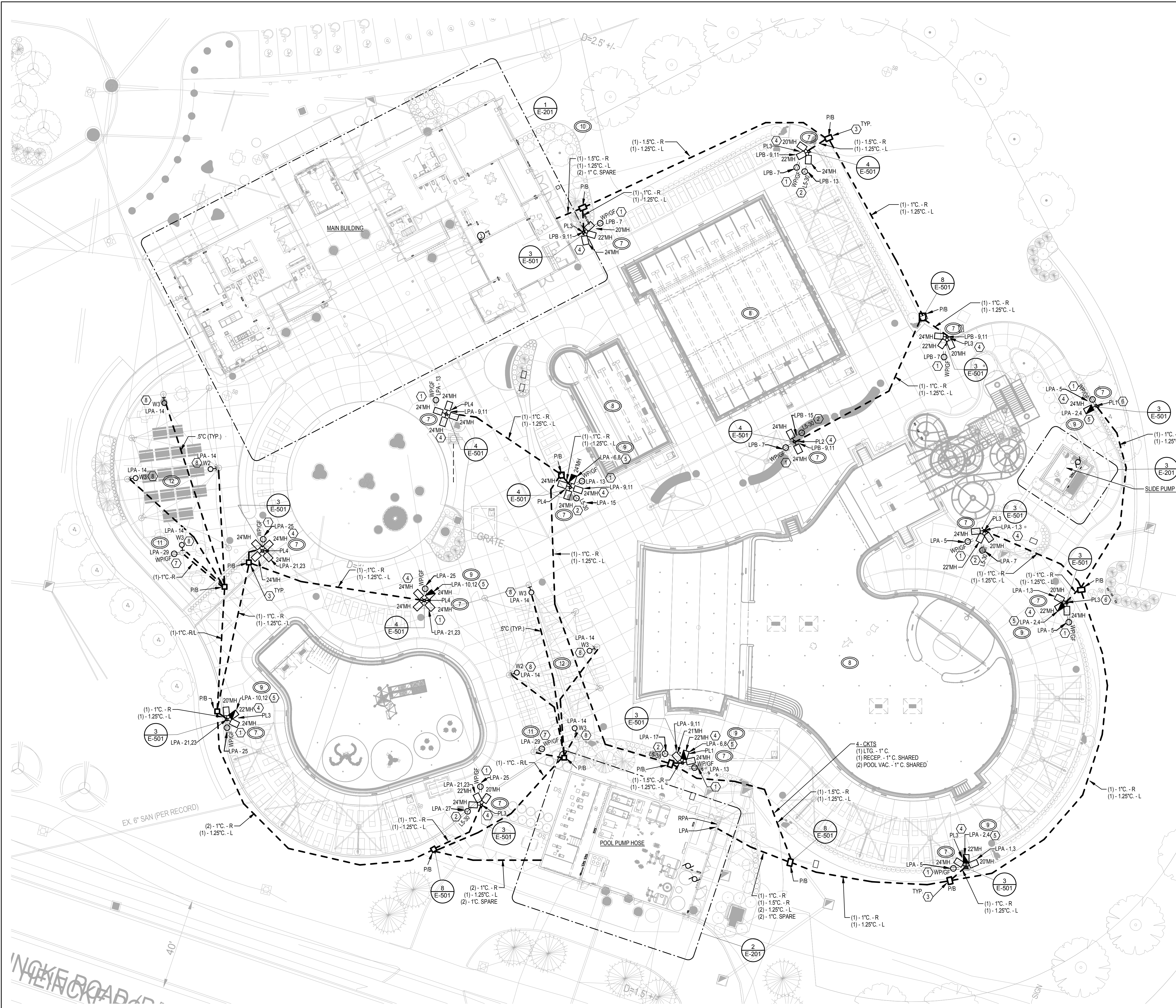
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ELECTRICAL SITE
PLAN - PARKING

SHEET NO.

E-101

3/14/2025 10:07:03 AM

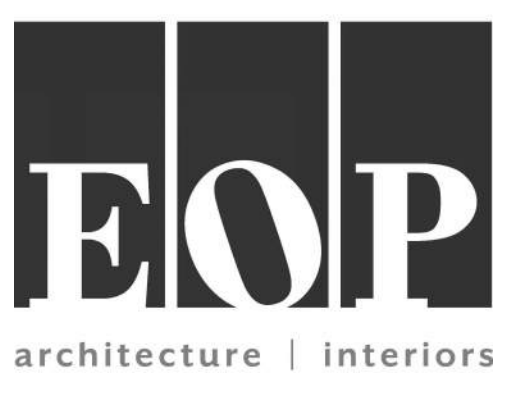


GENERAL NOTES

- A. THE ENTIRE SITE UNDERGROUND CONDUIT ROUTING AND PATHWAYS SHALL BE COORDINATED WITH ALL TRADES. MULTIPLE UTILITIES ARE RUNNING FROM THE POOL PUMP HOUSE AND ALL POOLS. ALL PATHWAYS SHALL BE COORDINATED AND SIGNED OFF PRIOR TO ANY WORK BEING DONE.
- B. REFER TO DETAILS SHEET E-501 FOR TYPICAL DUCT BANK DETAILS.

PLAN NOTES

- 1. NEW POLE LIGHT TO HAVE 120V/1PH, 20AMP GFI RECEPTACLE MOUNTED AT 10' WITH WEATHERPROOF COVER, RUN 2-#6, 1-#8 GROUND CONDUCTORS FOR POLE RECEPTACLE CIRCUIT FROM POLE TO POLE. RUN 2-#12, 1-#12 GROUND FROM POLE BASE TO RECEPTACLE. RECEPTACLE FED FROM GFI BREAKER.
- 2. POLE TO HAVE 120V/1PH, 30AMP TWISTLOCK RECEPTACLE MOUNTED AT 24' ABOVE FINISH FLOOR FOR POOL VACUUM. RECEPTACLE TO HAVE WEATHERPROOF COVER, RUN 2-#6, 1-#6 GROUND FROM PANEL TO POLE BASE, RUN 2-#10, 1-#10 GROUND FROM POLE BASE TO TERMINATE TO RECEPTACLE. RECEPTACLE FED FROM GFI BREAKER.
- 3. PULLBOX OR HANDHOLE FOR POLE LIGHTING AND RECEPTACLE CIRCUITS. PULLBOX SHALL BE SIZED PER NEC. MINIMUM OF 11" X 21". PULLBOXES SHALL BE MOUNTED IN PLANTER BED, GRASS OR SIMILAR AREA WHERE POSSIBLE. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- 4. REFER TO POLE ELEVATION DETAIL T ON SHEET E-501 FOR ADDITIONAL INFORMATION ON RECEPTACLE LOCATIONS AND MULTI-HEAD FIXTURE LAYOUTS.
- 5. HALF SHADED FIXTURE HEAD INDICATED FIXTURE HEAD TO BE ON SEPARATE CIRCUIT SHOWN. FIXTURE HEAD TO BE USED FOR SECURITY LIGHTING AFTER HOURS. FIXTURE HEAD TO BE CONTROLLED WITH OTHER POLE LIGHTING BUT WILL BE TURNED OFF AT LATER TIMES FOR SECURITY PURPOSES.
- 6. RUN 2-#6, 1-#8 GROUND WIRE FOR LIGHTING CIRCUIT FROM PANEL AND POLE-TO-POLE. RUN 2-#10, 1-#10 GROUND FROM POLE BASE TO FIXTURE HEAD(S).
- 7. PROVIDE CONNECTION FOR CONTROLLED RECEPTACLE MOUNTED TO SHADE STRUCTURE POST. RECEPTACLE TO BE MOUNTED APPROXIMATELY 8'-0" AFF. CONDUIT FOR SHADE CIRCUIT SHOULD BE SEPARATE FROM OTHER CONDUITS. COORDINATE RECEPTACLE INSTALLATION WITH SHADE SUPPLIER PRIOR TO ROUGH-IN.
- 8. FIXTURE TO BE MOUNTED TO SHADE STRUCTURE POST, APPROXIMATELY 8'-0" AFF. CONDUIT FOR SHADE CIRCUIT SHOULD BE SEPARATE FROM OTHER CONDUITS. COORDINATE RECEPTACLE INSTALLATION WITH SHADE SUPPLIER PRIOR TO ROUGH-IN.



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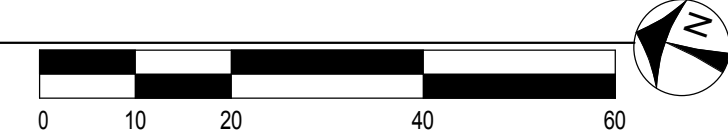
Project Number
7383

1/17/25
STATE OF OHIO
EVAN W. HAYFIELD
E-75255
REGISTERED PROFESSIONAL ENGINEER
Evan Hayfield

ELECTRICAL SITE PLAN - LIGHTING

E-102

1 ELECTRICAL SITE PLAN - NEW WORK - LIGHTING
SCALE: 1" = 20'-0"

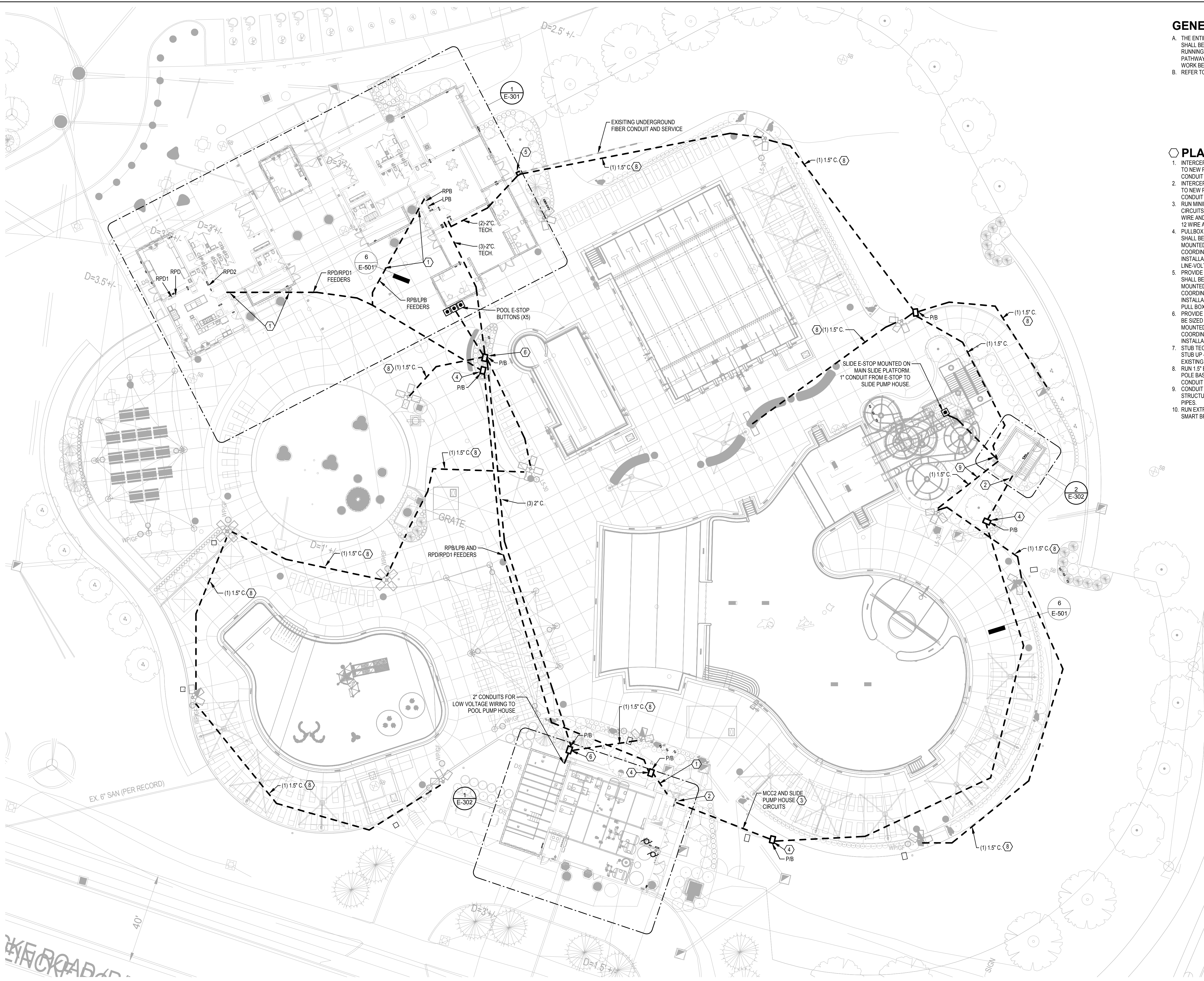


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GENERAL NOTES

- A. THE ENTIRE SITE UNDERGROUND CONDUIT ROUTING AND PATHWAYS SHALL BE COORDINATED WITH ALL TRADES. MULTIPLE UTILITIES ARE RUNNING FROM THE POOL PUMP HOUSE AND ALL POOLS. ALL PATHWAYS SHALL BE COORDINATED AND SIGNED OFF PRIOR TO ANY WORK BEING DONE.
- B. REFER TO DETAILS SHEET E-501 FOR TYPICAL DUCT BANK DETAILS.

PLAN NOTES

- INTERCEPT EXISTING UNDERGROUND CONDUIT FOR PANEL AND EXTEND TO NEW PULLBOX. INTENT IS TO MAINTAIN AS MUCH UNDERGROUND CONDUIT FROM PANEL NEAR THE BUILDING.
- INTERCEPT EXISTING UNDERGROUND CONDUIT FOR MCC AND EXTEND TO NEW PULLBOX. INTENT IS TO MAINTAIN AS MUCH UNDERGROUND CONDUIT FROM PANEL NEAR THE BUILDING.
- RUN MINIMUM 1" CONDUIT FOR 120V LIGHTING AND RECEPTACLES CIRCUITS TO SLIDE PUMP HOUSE. 120V CIRCUITS TO BE RUN WITH #8 WIRE AND #8 GROUND FROM PANEL TO THE SLIDE PUMP HOUSE. RUN #12 WIRE AND #12 GROUND ONCE INSIDE THE SLIDE PUMP HOUSE.
- PULLBOX OR HANDHOLE FOR POLE PANEL AND MCC FEEDERS. PULLBOX SHALL BE SIZED PER NEC. MINIMUM OF 17" X 30". PULLBOXES SHALL BE MOUNTED IN PLANTER BED, GRASS OR SIMILAR AREA WHERE POSSIBLE. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE BOX DIVIDER TO SEPARATE LOW-VOLTAGE AND LINE-VOLTAGE AS REQUIRED.
- PROVIDE A NEW PULL BOX FOR THE EXISTING FIBER SERVICE. PULLBOX SHALL BE SIZED PER NEC. MINIMUM OF 11" X 21". PULLBOXES SHALL BE MOUNTED IN PLANTER BED, GRASS OR SIMILAR AREA WHERE POSSIBLE. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. NEW 2" CONDUIT TO RUN UNDERGROUND FROM NEW PULL BOX TO NEW DATA ROOM.
- PROVIDE A NEW PULL BOX FOR LOW-VOLTAGE WIRING. PULLBOX SHALL BE SIZED PER NEC. MINIMUM OF 11" X 21". PULLBOXES SHALL BE MOUNTED IN PLANTER BED, GRASS OR SIMILAR AREA WHERE POSSIBLE. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- STUB TECH. CONDUITS UP INTO IN MAIN TECH ROOM. CONDUITS TO STUB UP 4' AFF. COORDINATE ROUTING AND INSTALLATION WITH EXISTING AND NEW FOUNDATIONS.
- RUN 1.5" EMPTY CONDUIT WITH PULL WIRE FOR FUTURE USE TO EACH POLE BASE. COORDINATE ROUTING AND TERMINATIONS. COORDINATE CONDUIT RUNS WITH OWNER PRIOR TO ROUGH-IN.
- CONDUIT TO RUN INTO SLIDE PUMP HOUSE. COORDINATE EXISTING STRUCTURE PENETRATION LOCATION TO AVOID POOL EQUIPMENT AND PIPES.
- RUN EXTRA 1" CONDUIT ADJACENT TO FEEDER FOR CONNECTION OF SMART BREAKER PANEL CONTROLLERS.



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DRAWING TITLE

ELECTRICAL SITE

PLAN - POWER

SHEET NO.

E-103



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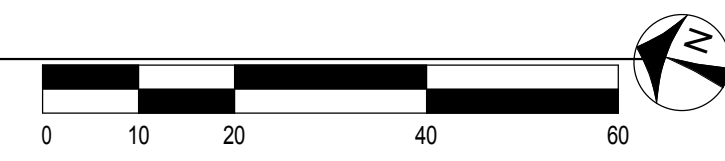
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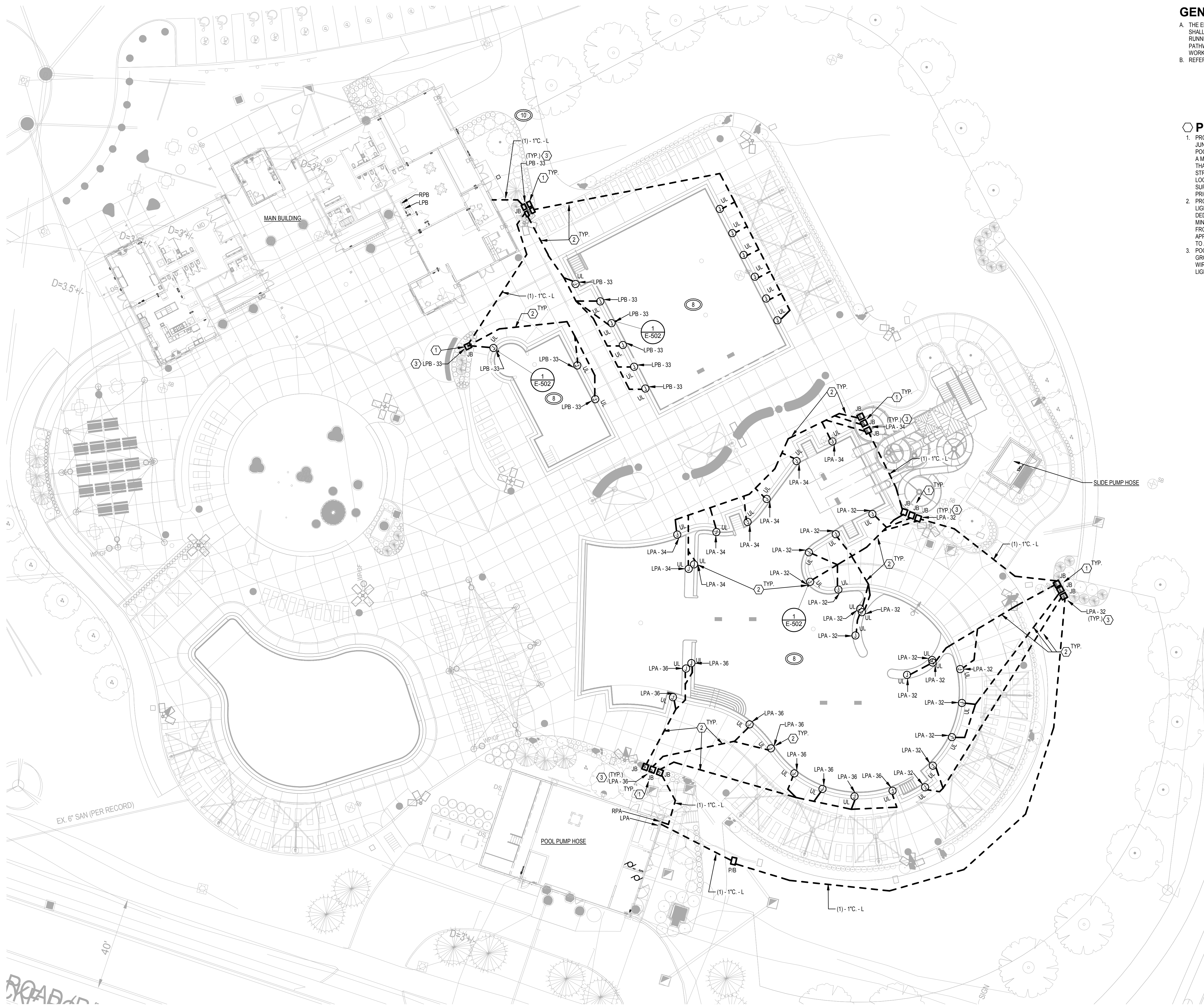
1 ELECTRICAL SITE PLAN - NEW WORK - POWER

SCALE: 1" = 20'-0"



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GENERAL NOTES

- A. THE ENTIRE SITE UNDERGROUND CONDUIT ROUTING AND PATHWAYS SHALL BE COORDINATED WITH ALL TRADES. MULTIPLE UTILITIES ARE RUNNING FROM THE POOL PUMP HOUSE AND ALL POOLS. ALL PATHWAYS SHALL BE COORDINATED AND SIGNED OFF PRIOR TO ANY WORK BEING DONE.
- B. REFER TO DETAILS SHEET E-501 FOR TYPICAL DUCT BANK DETAILS.

PLAN NOTES

1. PROVIDE JUNCTION BOX FOR UNDERWATER LIGHT CIRCUITING. JUNCTION BOX SHALL BE LISTED AND LABELED FOR SWIMMING POOL USE PER NEC 680.24. JUNCTION BOX SHALL BE LOCATED A MINIMUM OF 8" ABOVE POOL WATER SURFACE AND NO LESS THAN 4" ABOVE FINISHED GRADE. PROVIDE MOUNTING STRUCTURE AS REQUIRED FOR JUNCTION BOX. BOX SHALL BE LOCATED WITHIN LANDSCAPED AREA AND NOT ON PAVED SURFACE. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
2. PROVIDE CONDUIT AND WIRING FROM EACH UNDERWATER LIGHT TO THE JUNCTION BOX. EACH LIGHT SHALL HAVE A DEDICATED RUN FROM THE JUNCTION BOX TO THE LIGHT. RUN MINIMUM 3/4" PVC CONDUIT. COORDINATE WIRE RUN LENGTH FROM JUNCTION BOX TO THE LIGHT AND PROVIDE APPROPRIATE LENGTH. LENGTH SHALL INCLUDE 4' OF SLACK TO ALLOW FOR FIXTURE TO BE REPLACED FROM POOL DECK. POOL NICHE LIGHT CIRCUIT TO BE RUN WITH 2 - #10, 1 - #10 GROUND TO EACH SWIMMING POOL LISTED JUNCTION BOX. WIRE FROM SWIMMING POOL JUNCTION BOX TO EACH NICHE LIGHT IS INTEGRAL WITH FIXTURE.



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DRAWING TITLE

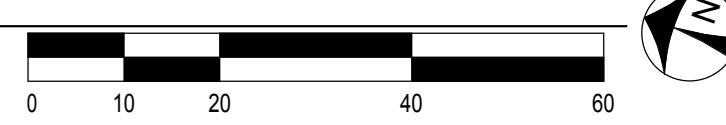
ELECTRICAL SITE
PLAN - POOL
LIGHTING

SHEET NO.

E-104

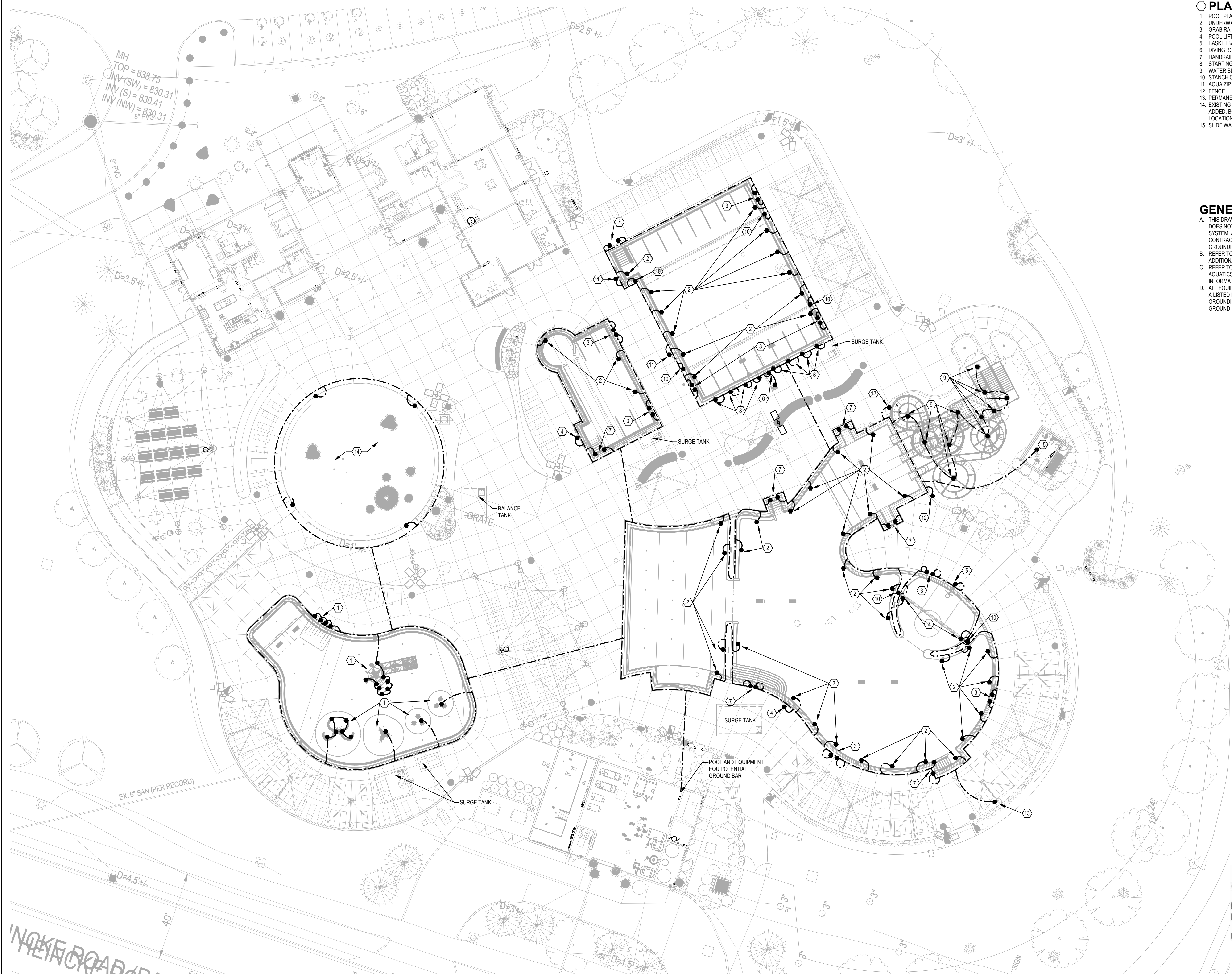
1 ELECTRICAL SITE PLAN - NEW WORK - POOL LIGHTING

SCALE: 1" = 20'-0"



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- PLAN NOTES**
1. POOL PLAY FEATURE.
 2. UNDERWATER LIGHT.
 3. GRAB RAILS.
 4. POOL LIFT.
 5. BASKETBALL GOAL.
 6. DIVING BOARD.
 7. HANDRAILS.
 8. STARTING BLOCK.
 9. WATER SLIDE SUPPORT COLUMN.
 10. STANCHION POST AND ANCHOR.
 11. AQUA ZIP LINE.
 12. FENCE.
 13. PERMANENT SHADE STRUCTURE.
 14. EXISTING SPLASH PAD SHALL HAVE A NEW GROUND LOOP ADDED. BOND TO EXISTING CONCRETE ENCASE REBAR AT 4 LOCATIONS.
 15. SLIDE WATER PUMPS AND ANY METALLIC INLET / OUTLET PIPES.

- GENERAL NOTES**
- A. THIS DRAWING IS INTENDED TO SHOW GROUNDING INTENT AND DOES NOT SHOW ALL GROUNDING POINTS FOR A COMPLETE SYSTEM. ADDITIONAL POINTS MAY BE REQUIRED. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE A COMPLETE GROUNDING SYSTEM FOR THE POOLS PER NEC 680.
- B. REFER TO OTHER DETAILS IN THE ELECTRICAL SET FOR ADDITIONAL POOL BONDING AND GROUNDING INFORMATION.
- C. REFER TO OTHER CONSULTANT DRAWINGS SETS SUCH AS AQUATICS "AQ" DRAWINGS FOR ADDITIONAL DETAILS AND INFORMATION AND CONDUCTIVE METALLIC ITEMS.
- D. ALL EQUIPOTENTIAL GRIDS SHALL BE BONDED TOGETHER WITH A LISTED DEVICE PER NEC 250.8. POOL AND EQUIPMENT GROUNDING SYSTEM SHALL BE TIED TO THE MAIN BUILDING GROUND BAR.



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ELECTRICAL SITE
PLAN - POOL
GROUNDING

SHEET NO.

E-105

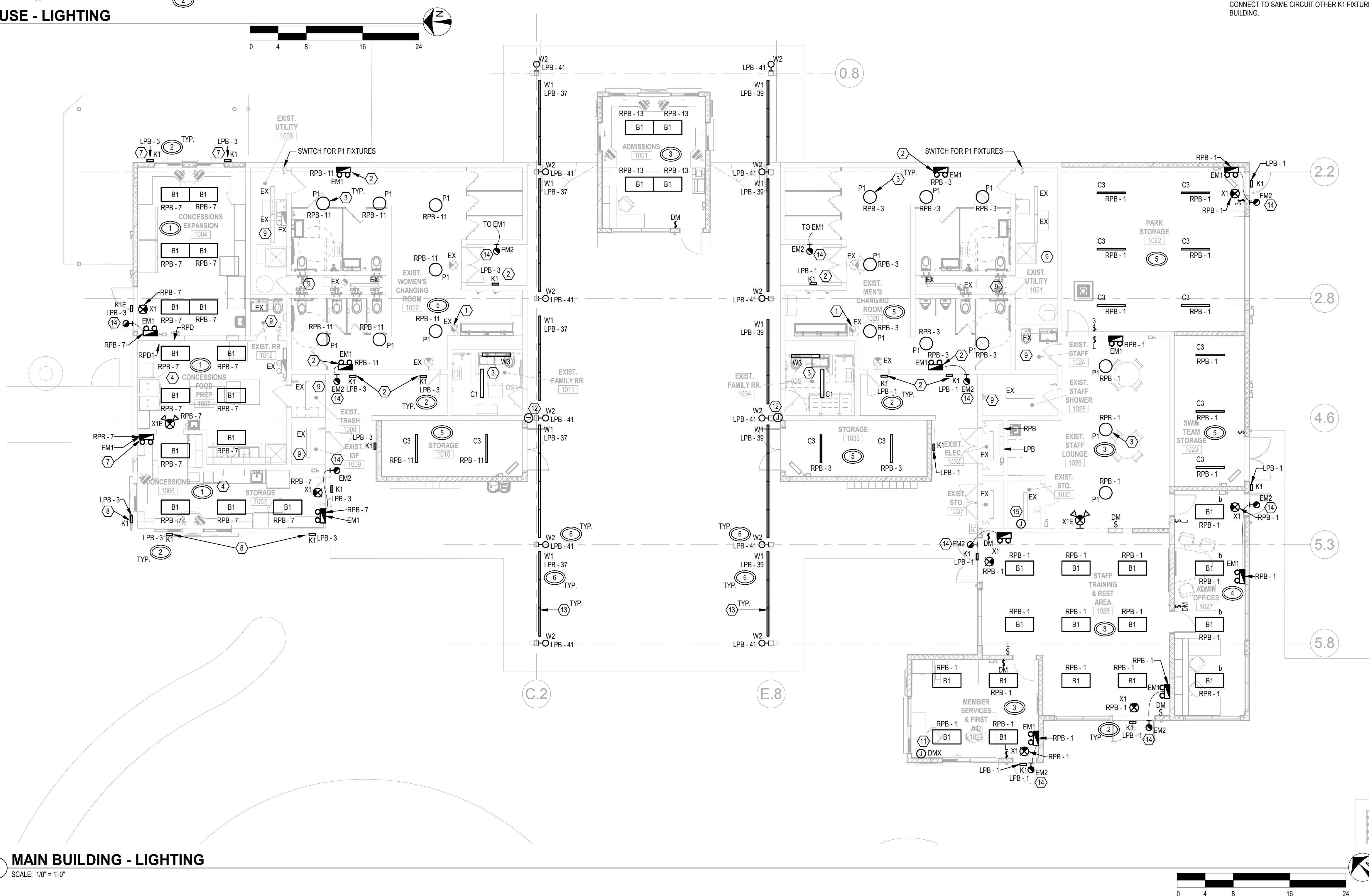
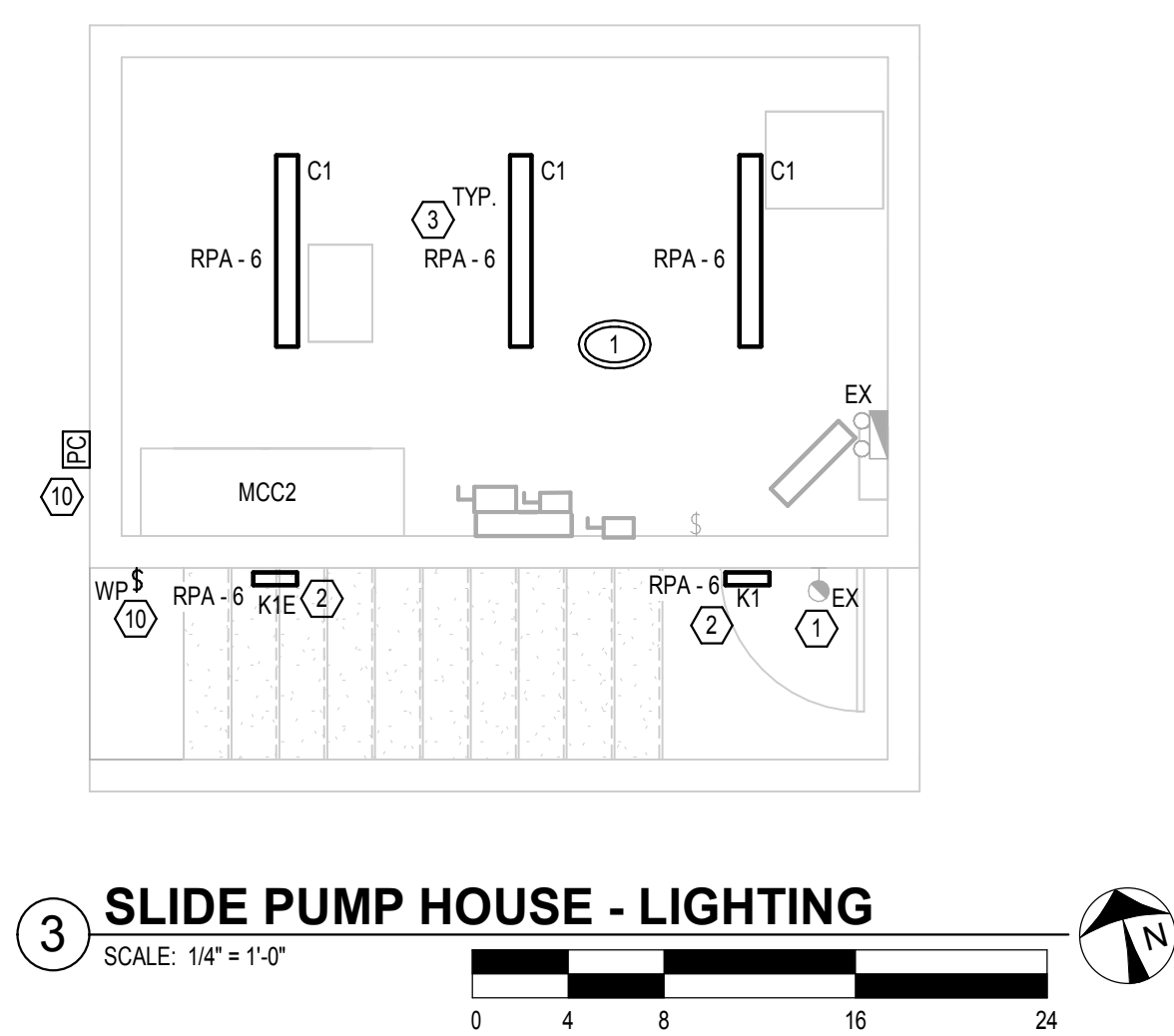
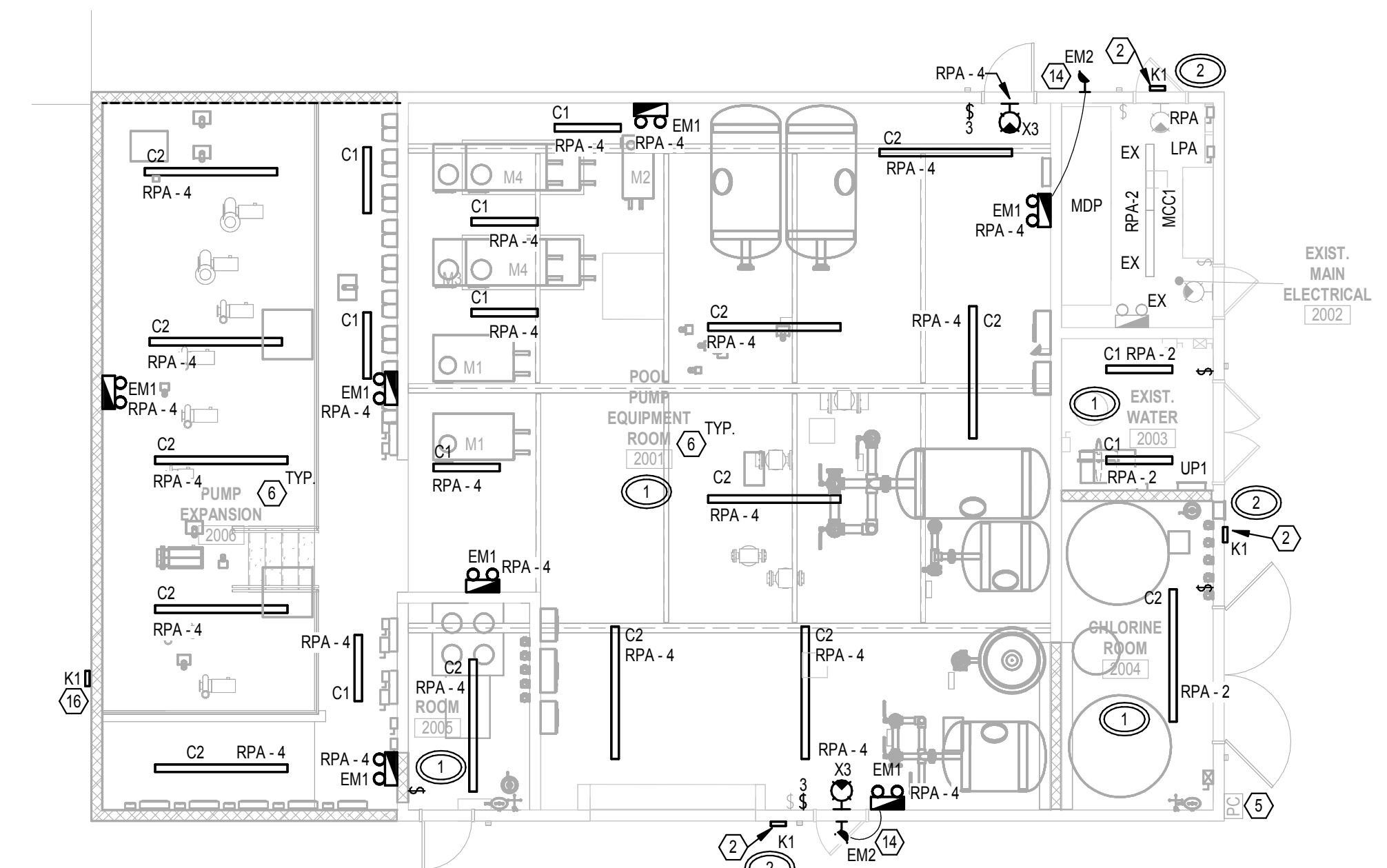
1 ELECTRICAL SITE PLAN - NEW WORK - GROUNDING

SCALE: 1" = 20'-0"



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- # PLAN NOTES
1. EXISTING REMOTE HEDD TO REMAIN.
 2. NEW FIXTURE TO BE MOUNTED IN SAME LOCATION AS OLD. REUSE BACK BOX IF POSSIBLE. CONNECT TO EXISTING CIRCUIT.
 3. NEW LIGHT TO REPLACE OLD. CONNECT TO EXISTING LIGHTING CIRCUIT THIS SPACE.
 4. CONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUIT THIS SPACE.
 5. EXISTING PHOTOCELL FED FROM PANEL UP1. EXTEND CONDUIT AND WIRE TO NEW PANEL LOCATION.
 6. THIS SPACE HAS MULTIPLE PIPES RUNNING BETWEEN EQUIPMENT. COORDINATE FIXTURE LOCATION AND SUPPORT STRUCTURE WITH EQUIPMENT FIRST TO ROUGH-IN.
 7. 8'-0" MOUNTING HEIGHT TO CENTER OF FIXTURE. COORDINATE MOUNTING LOCATION WITH ARCHITECT FIRST TO ROUGH-IN. FIXTURE LOCATION SHOULD NOT INTERFERE WITH OVERHANG STRUCTURE.
 8. NEW FIXTURE TO REPLACE OLD. NEW FIXTURE MOUNTED AT 8'-4" TO CENTER TO AVOID NEW OVERHANG STRUCTURE. PROVIDE COVER TO OLD BOX LOCATION. EXTEND CONDUIT AND WIRING TO NEW LOCATION.
 9. NO NEW WORK THIS AREA. LIGHTING AND CONTROLS TO REMAIN.
 10. PROVIDE A NEW PHOTOCELL TO CONTROL THE WALL MOUNTED FIXTURES. PROVIDE NEW WEATHERPROOF, LINE- VOLTAGE SWITCH AT TOP OF STAIRS FOR LIGHTS. SWITCH TO REPLACE OLD IN SAME LOCATION. NEW PHOTOCELL TO BE WIRED AHEAD OF WALL SWITCH.
 11. APPROXIMATE LOCATION OF TOUCH-SCREEN DMX CONTROL. COORDINATE MOUNTING LOCATION WITH OWNER FIRST TO ROUGH-IN.
 12. APPROXIMATE LOCATION OF DMX CONTROL BOX FOR FIXTURES. CONTROL BOX SHOULD BE IN WEATHERPROOF BOX. RUN MINIMUM 3/4" CONDUIT FROM CONTROLLER OR NETWORK SWITCH TO CONTROL BOX.
 13. FIXTURE TO BE MOUNTED TO STEEL SUPPORT STRUCTURE. FIXTURE SHALL BE ADDED TO GRAZE THE CANOPY STRUCTURE. VERIFY AMOUNT OF GRAZING WITH ARCHITECT AND ENGINEER PRESENT.
 14. REMOTE BOXES FED FROM MAIN PANEL.
 15. APPROXIMATE LOCATION OF DMX CONTROL PANEL. FEED FROM 120V CIRCUIT INSIDE ROOM. COORDINATE MOUNTING IN FIELD WITH OWNER AND ARCHITECT FIRST TO ROUGH-IN.
 16. NEW WALL PACK MOUNTED APPROXIMATELY 5'-0" AFF TO CENTER CORNER TO SAME CIRCUIT OTHER K1 FIXTURES ARE ON FOR THIS BUILDING.

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No.	Description	Date
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1 MAIN BUILDING - POWER

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

3 PARTIAL ROOF PLAN - CONCESSIONS

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

4 PARTIAL ROOF PLAN - ADMISSIONS

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

GENERAL NOTES

A. ALL RECEPTACLES LOCATED IN AREAS ACCESSIBLE TO THE PUBLIC SHALL BE TAMPER RESISTANT TYPE. ALL EXISTING RECEPTACLES TO REMAIN SHALL BE REPLACE WITH TAMPER RESISTANT TYPE.

PLAN NOTES

1. PROVIDE 20AMP, 120V/1PH CONNECTION FOR CHANGING TABLE. COORDINATE CONNECTION LOCATION WITH MANUFACTURER PRIOR TO ROUGH-IN.
2. PROVIDE 20AMP, 120V/1PH CONNECTION FOR HAND DRYER. COORDINATE CONNECTION LOCATION WITH MANUFACTURER PRIOR TO ROUGH-IN.
3. RELOCATED CONDENSING UNIT. PROVIDE NEW DISCONNECT. EXTEND CONDUIT AND WIRE TO NEW LOCATION.
4. NEW SURGE PROTECTIVE DEVICE MOUNTED ADJACENT TO PANEL.
5. NEW DISCONNECT MOUNTED ON ROOF NEAR ASSOCIATED EQUIPMENT. PROVIDE UNSTRUCT MOUNTING STRUCTURE FOR DISCONNECT AND RECEPTACLE. COORDINATE WITH ROOF MEMBRANE AND ENSURE ALL ROOF PENETRATIONS ARE WATER TIGHT AND MAINTAIN ROOFING WARRANTY.
6. CONNECT NEW RECIRC PUMP TO EXISTING RECEPTACLE CIRCUIT THIS SPACE.
7. PROVIDE 120V/1PH, 20AMP CONNECTION FOR DIGITAL CLOCK AND SIGNAGE. CLOCK AND SIGNAGE IS LOCATED ON THE STRUCTURAL CROSS BEAM FOR THE CANOPY. COORDINATE CONNECTION LOCATION AND MOUNTING WITH STRUCTURAL ENGINEER AND ARCHITECT. RUN CONDUIT FOR DATA BOX BACK TO MAIN DATA CLOSET.
8. PROVIDE RECEPTACLE AND DATA BACK BOX FOR DIGITAL SIGNAGE. RECEPTACLE CIRCUIT TO BE FED FROM GFCI TYPE BREAKER. COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
9. APPROXIMATE LOCATION OF CONDUIT SLEVE THROUGH WALL FOR DATA. 2" CONDUIT MINIMUM AT 8'-6" ABOVE FLOOR. COORDINATE SLEVE SIZE AND EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
10. APPROXIMATE LOCATION OF CONDUIT SLEVE THROUGH WALL FOR DATA. 4" CONDUIT MINIMUM AT 8'-6" ABOVE FLOOR. COORDINATE SLEVE SIZE AND EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
11. PROPOSED LOCATION OF POOL EQUIPMENT E-STOP BUTTONS. 1 BUTTON PER POOL (X5). RUN CONDUIT(S) FROM EPO TO POOL PUMP HOUSE AND TIE TO VFD/CONTROLLER TO DISCONNECT POWER TO POOL EQUIPMENT/PUMP.
12. APPROXIMATE LOCATION OF EXISTING UNDERGROUND CONDUITS FOR LOW-VOLTAGE WIRING.



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DRAWING TITLE

NEW WORK FLOOR
PLAN - POWER

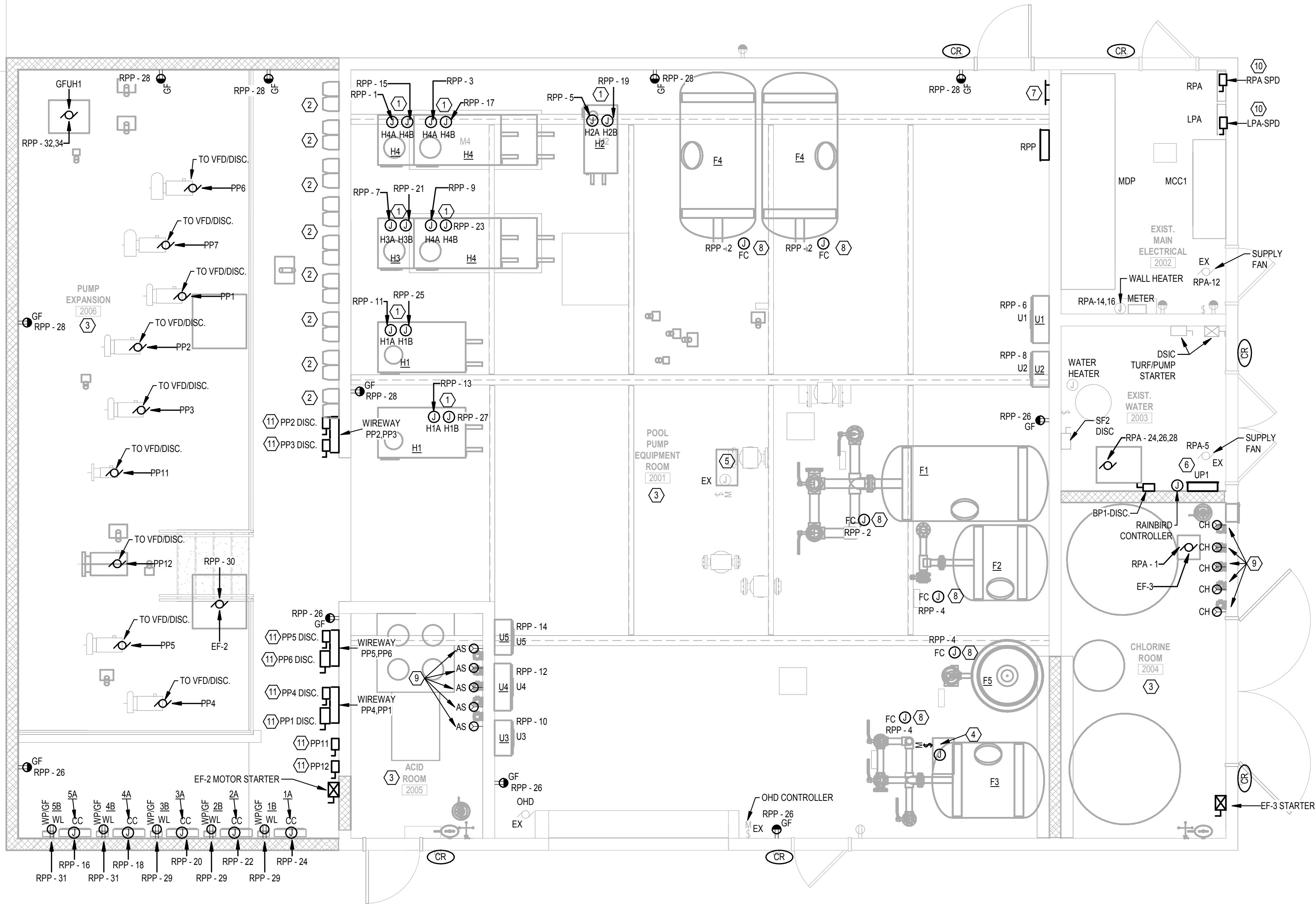
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E-301

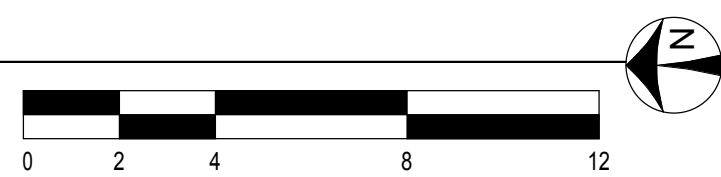


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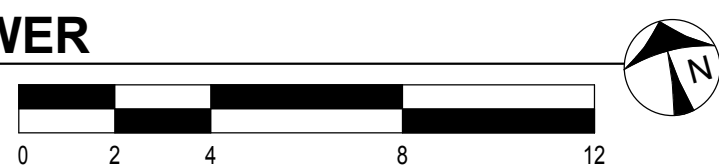


1 POOL PUMP HOUSE - POWER
SCALE: 1/4" = 1'-0"



POOL EQUIPMENT									
NOTES:									
1. CIRCUIT SHALL HAVE GROUND FAULT PROTECTION.									
2. COORDINATE CONNECTION LOCATION WITH MANUFACTURER PRIOR TO ROUGH-IN.									
3. RECEPTACLE SHALL BE SPECIAL TYPE WITH SWITCH AND PLUG. POWER FED FROM CHEMICAL CONTROLLER, 1 PER POOL.									
4. RECEPTACLE SHALL BE SPECIAL TYPE WITH SWITCH AND PLUG. POWER FED FROM CHEMICAL CONTROLLER, 1 PER POOL.									
5. RUN 120V WIRING AND CONDUIT FROM CHEMICAL CONTROLLER TO ASSOCIATED CHLORINATION SYSTEM AND ACID SYSTEM PUMPS.									
MARK	DESCRIPTION	HORSEPOWER (HP)	LOAD (kVA)	CHARACTERISTICS	DISC. MEANS	ELECTRICAL CONNECTION	FEEDER	SEE NOTE	
AS	ACID SYSTEM PUMP	0.12	•	120V-1PH	•	•	2 12 12 .75"	4	
CC	CHEMICAL CONTROLLER	1.44	•	208V-1PH	•	•	2 12 12 .75"	1,2,5	
CH	CHLORINATION SYSTEM PUMP	0.12	•	208V-3PH	•	•	2 12 12 .75"	3	
FC	FILTER CONTROL PANEL	0.12	•	240V-1PH	•	•	2 12 12 .75"		
H1A	POOL HEATER	1.8	•	240V-3PH	•	•	2 12 12 .75"	2	
H1B	POOL HEATER	0.6	•	277V-1PH	•	•	2 12 12 .75"	2	
H2A	POOL HEATER	1.8	•	480V-3PH	•	•	2 12 12 .75"	2	
H2B	POOL HEATER	0.6	•	480V-3PH	•	•	2 12 12 .75"	2	
H3A	POOL HEATER	1.8	•	480V-3PH	•	•	2 12 12 .75"	2	
H3B	POOL HEATER	0.84	•	480V-3PH	•	•	2 12 12 .75"	2	
H4A	POOL HEATER	1.8	•	480V-3PH	•	•	2 12 12 .75"	2	
H4B	POOL HEATER	0.84	•	480V-3PH	•	•	2 12 12 .75"	2	
U1	UV TREATMENT SYSTEM	1.8	•	120V-1PH	•	•	2 12 12 .75"	2	
U2	UV TREATMENT SYSTEM	1.2	•	120V-1PH	•	•	2 12 12 .75"	2	
U3	UV TREATMENT SYSTEM	1.2	•	120V-1PH	•	•	2 12 12 .75"	2	
U4	UV TREATMENT SYSTEM	1.8	•	120V-1PH	•	•	2 12 12 .75"	2	
U5	UV TREATMENT SYSTEM	1.8	•	120V-1PH	•	•	2 12 12 .75"	2	
WL	WATER LEVEL CONTROLLER	0.6	•	120V-1PH	•	•	2 12 12 .75"	2	

2 SLIDE PUMP HOUSE - POWER
SCALE: 1/4" = 1'-0"



GENERAL NOTES

- PLASTIC JACKETED RIGID STEEL CONDUIT OR OTHER NEC APPROVE CONDUITS SHALL BE USED IN CORROSIVE ATMOSPHERES INCLUDING SWIMMING POOL AREAS, POOL EQUIPMENT ROOMS, CHLORINE STORAGE AREAS, ETC.
- REFER TO MOTOR SCHEDULE AND POOL EQUIPMENT SCHEDULE ON SHEET E-601 FOR ADDITIONAL EQUIPMENT AND DEVICE INFORMATION.
- REFER TO AQUATICS "AQ" PLANS FOR ADDITIONAL INFORMATION AND DETAILS FOR POOL EQUIPMENT. ALL TAGS WITH UNDERLINED TEXT REFERS TO AQUATICS PLANS EQUIPMENT.

PLAN NOTES

- POOL HEATER HAS 2 CONNECTIONS. COORDINATE CONNECTION LOCATION WITH MANUFACTURER PRIOR TO ROUGH-IN.
- POOL PUMP VFD AND ASSOCIATED DISCONNECT PROVIDED BY POOL CONTRACTOR. REFER TO AQUATICS "AQ" DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE ALL INTERCONNECTING WIRING FROM FUSED DISCONNECTS, VFD'S AND PUMPS.
- ALL CONDUIT THIS AREA SHALL BE PLASTIC JACKETED RIGID STEEL TYPE. TO NEW LOCATION.
- RELOCATED GAS FIRED UNIT HEATER. EXTEND EXISTING CONDUIT AND WIRE TO NEW LOCATION.
- EXISTING GAS FIRED UNIT HEATER.
- RELOCATED UNLABELED PANEL. EXTEND CIRCUITS AND ASSOCIATED CONDUIT AND WIRE TO NEW LOCATION.
- NEW POOL AND EQUIPMENT EQUIPOTENTIAL GROUND BAR.
- COORDINATE FILTER CONTROL PANEL LOCATION WITH POOL CONTRACTOR PRIOR TO ROUGH-IN. RECEPTACLE SHALL BE MOUNTED WITHIN 18 INCHES OF FEEDER PUMP.
- RECEPTACLE POWER IS FED FROM THE CHEMICAL CONTROL PANEL. REFER TO AQUATICS "AQ" PLANS AND DETAILS FOR ADDITIONAL INFORMATION. COORDINATE FINAL LOCATION OF RECEPTACLE WITH POOL CONTRACTOR PRIOR TO ROUGH-IN. RECEPTACLE SHALL BE MOUNTED WITHIN 18 INCHES OF FEEDER PUMP.
- NEW SURGE PROTECTIVE DEVICE MOUNTED ABOVE TO PANEL.
- PROVIDE GROUND FAULT PROTECTION PANEL FOR PUMP CIRCUIT PER NEC 680. PROTECTION PANEL BASIS OF DESIGN IS BENDER - LIFEGUARD PROTECTION PANEL. COORDINATE MOUNTING IN FIELD. PANEL SHOULD BE PROVIDED WITH NEMA 4X POLYCARBONATE ENCLOSURE. PANEL SHALL BE MOUNTED NEAR THE FUSED DISCONNECT FOR ASSOCIATED PUMP. OTHERWISE LOCATE WHERE NOTED. PROVIDE LABEL FOR PROTECTION PANEL.



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Sycamore Trails Aquatic Center

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0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

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Client

Number

948

Project

Number

7383

DRAWING TITLE

NEW WORK FLOOR
PLAN - POOL POWER

SHEET NO.

E-302

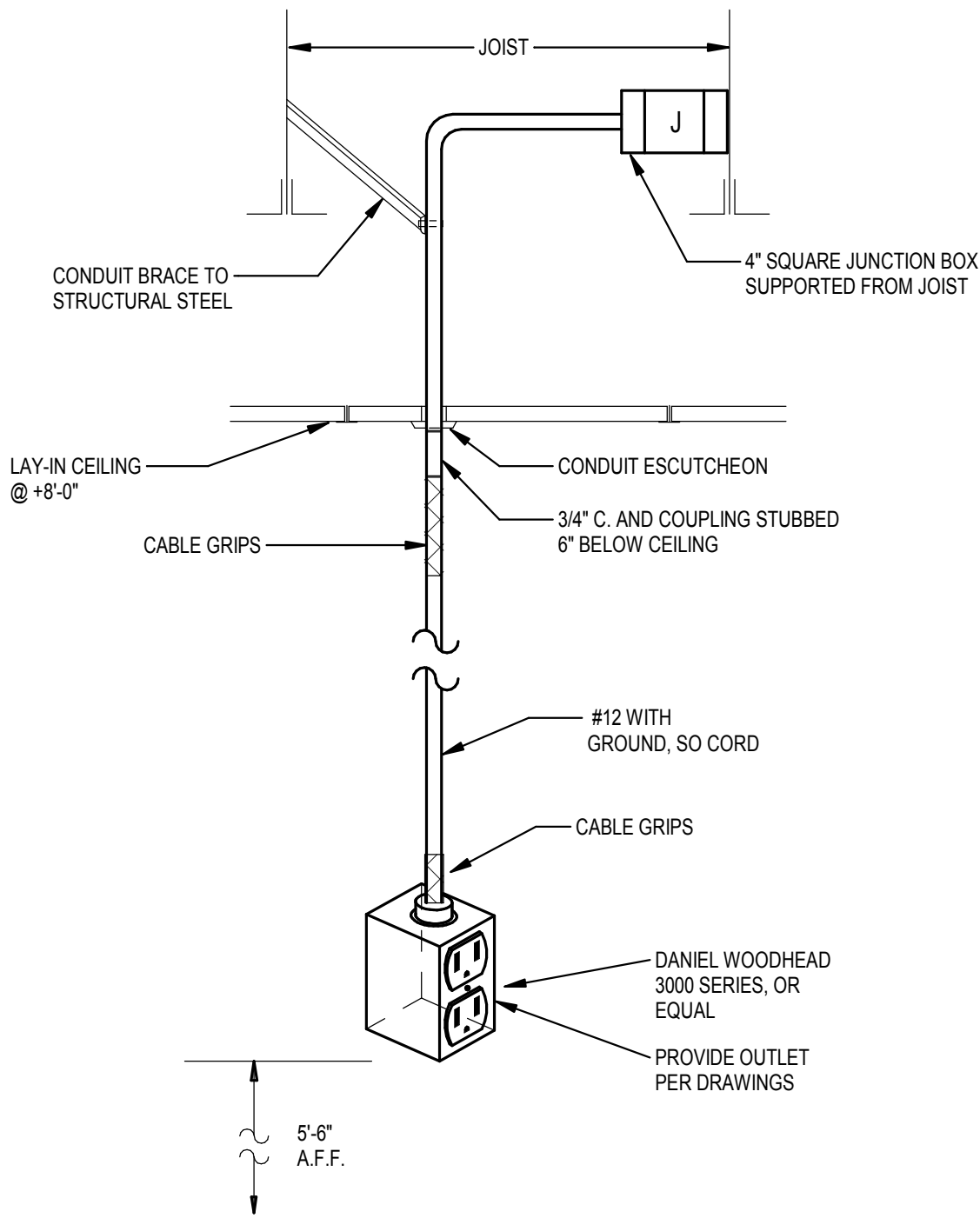


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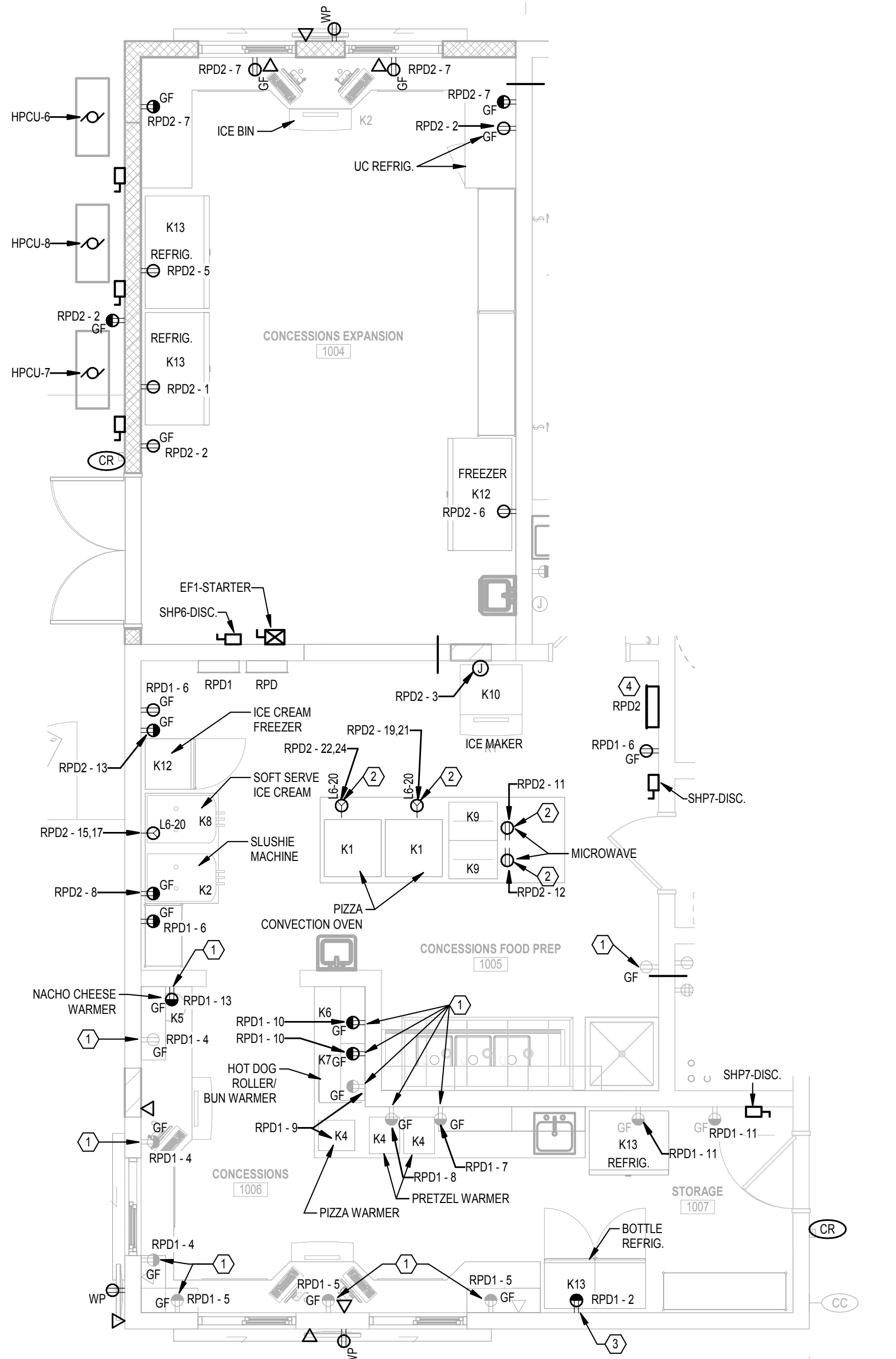
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KITCHEN EQUIPMENT																			
NOTES: 1. L6-20R																			
MARK	DESCRIPTION	HORSEPOWER (HP)	CHARACTERISTICS						DISC. MEANS		ELECTRICAL CONNECTION			FEEDER			SEE NOTE		
			LOAD (KVA)	120V-1PH	208V-1PH	208V-3PH	240V-1PH	277V-1PH	480V-1PH	480V-3PH	DISCONNECT SWITCH RECEPTACLE	PANEL BREAKER	DIRECT CONNECTION	CORD & PLUG	OUTLET M.H.	CORD & PLUG FURN. BY		NUMBER OF CONDUCTORS	WIRE SIZE
K1	PIZZA OVEN		3.2		•					•		•				2	10	10	1"
K2	SLUSHIE MACHINE		0.72	•						•		•	46"	ES		2	12	12	.75"
K4	PIZZA/PRETZEL WARMER		1.476	•						•		•		ES		2	12	12	.75"
K5	CHEESE WARMER		0.804	•						•		•		ES		2	12	12	.75"
K6	HOT DOG ROLLER		1.104	•						•		•		ES		2	12	12	.75"
K7	BUN WARMER		0.02	•						•		•		ES		2	12	12	.75"
K8	ICE CREAM MACHINE		3.3		•					•		•	46"	ES		2	12	12	.75"
K9	MICROWAVE OVEN		1.452	•								•		ES		2	12	12	.75"
K10	ICEMAKER W/ STORAGE BIN		1.824	•							•	•				2	12	12	.75"
K12	FREEZER		1.02	•						•		•		ES		2	12	12	.75"
K13	REFRIGERATOR		0.516	•						•		•		ES		2	12	12	.75"



2 KITCHEN RECEPTACLE DROP
SCALE: NONE



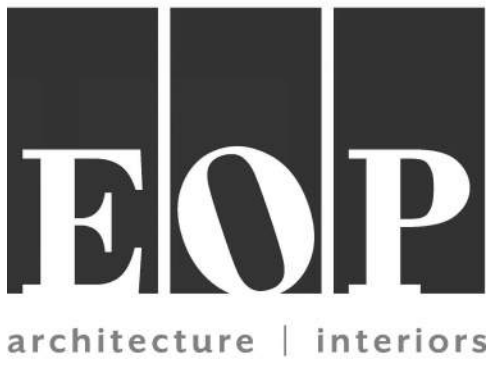
1 ENLARGER CONCESSIONS PLAN - POWER
SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. KITCHEN/CONCESSIONS AREAS: ALL 125V THROUGH 250V RECEPTACLES SUPPLIED BY SINGLE-PHASE BRANCH CIRCUITS RATED 150V OR LESS TO GROUND, 50A OR LESS, AND ALL RECEPTACLES SUPPLIED BY THREE-PHASE BRANCH CIRCUITS RATED 150V OR LESS TO GROUND, 100AMP OR LESS, SHALL BE PROVIDED WITH GFCI PROTECTION.

PLAN NOTES

1. NEW GF TYPE RECEPTACLE TO REPLACE OLD. CIRCUIT AS SHOWN.
2. CABLE DROP FROM CEILING ABOVE. SEE DETAIL 2 THIS SHEET.
3. NEW RECEPTACLE TO REPLACE OLD. PROTECTED WITH GFCI TYPE BREAKER. CIRCUIT AS SHOWN.
4. NEW PANEL.



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DRAWING TITLE

ENLARGED
CONCESSIONS PLAN

SHEET NO.

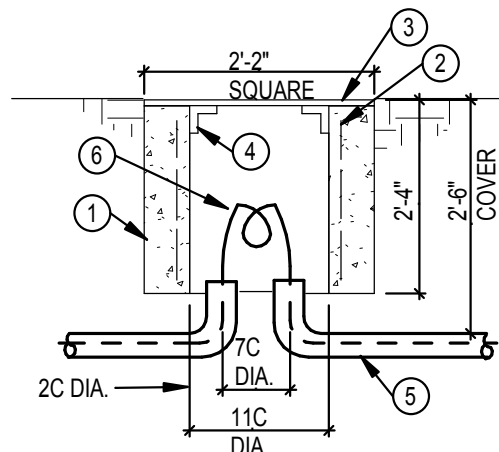
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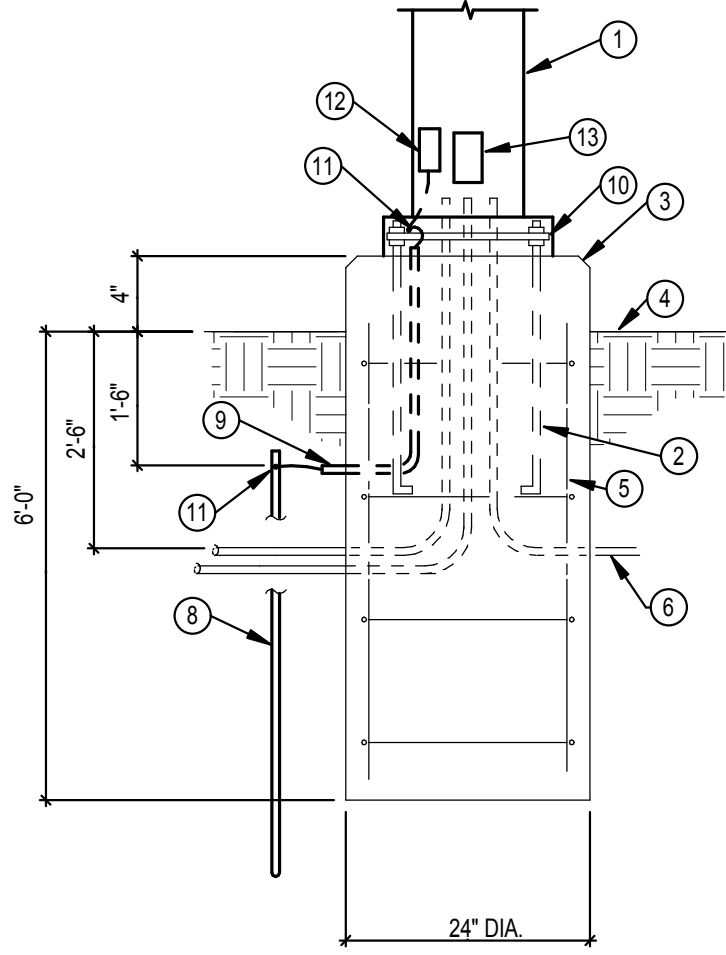
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- DETAIL NOTES**
- 4" CONCRETE WALLS-FOUR SIDES.
 - 3/8" DIA. REINFORCED STEEL 10" CC BOTH WAYS.
 - 1/4" CHECKERED STEEL PLATE.
 - 2" L WELDED TO PLATE TWO SIDES ONLY - 1/4" CLEARANCE FIT.
 - UNDERGROUND DUCT OR DIRECT BURIAL CABLE AS INDICATED.
 - CONDUCTORS-LOOP/PULL OR SPLICE.

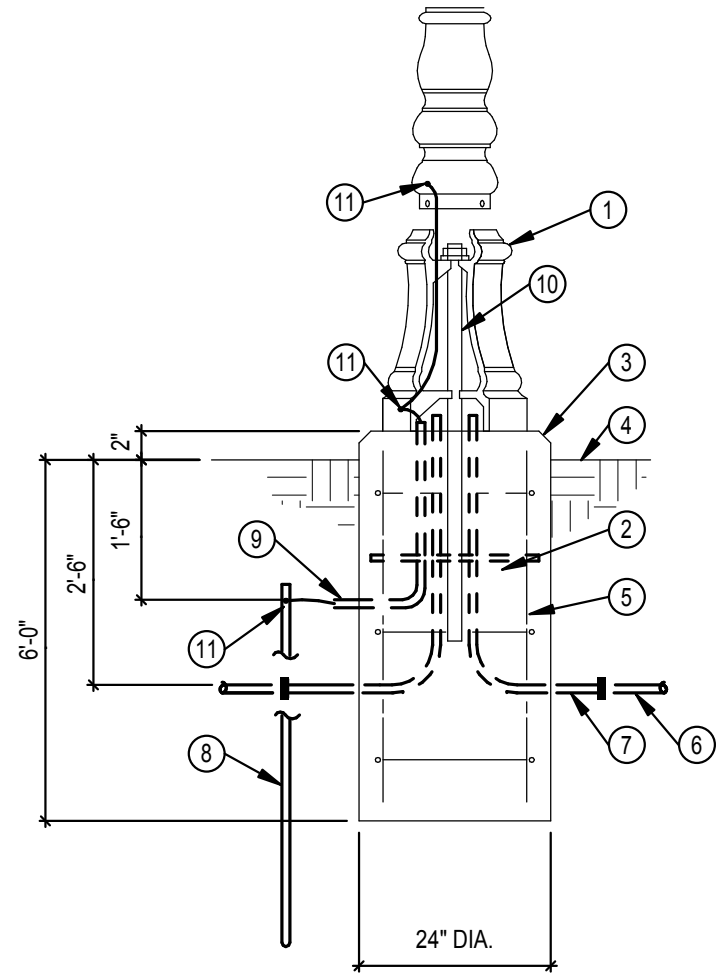
NOTE:
A. PRECAST POLYMER CONCRETE IS ACCEPTABLE FOR HANDHOLES AND PULL BOXES. REFER TO SPECIFICATIONS

8 GROUND PULLBOX / HANDHOLE
SCALE: NONE



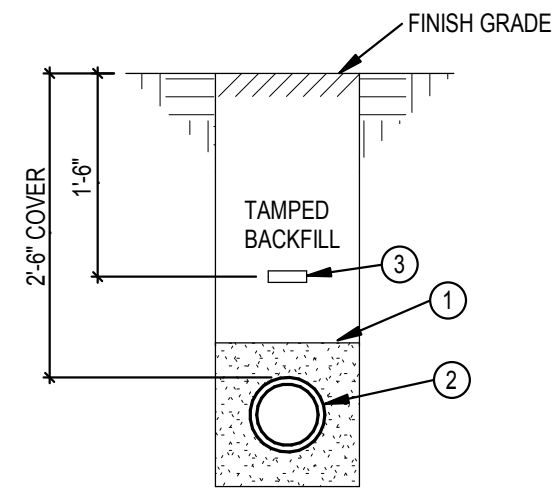
- DETAIL NOTES**
- SEE FIXTURE SCHEDULE FOR POLE AND FIXTURE ASSEMBLY.
 - ANCHOR BOLTS BY POLE SUPPLIER, WIRE TIE TO REBARS.
 - CHAMFERED EDGE.
 - FINISHED GRADE OR BEDDING AREA.
 - SIX #4 REINFORCING BARS VERTICALLY ON #3 STIRRUPS AT 18" O.C.
 - PVC CONDUIT, SCHEDULE 40.
 - RIGID GALVANIZED STEEL CONDUIT.
 - GROUND ROD.
 - 1/2" PVC GROUND CONDUCTOR SLEEVE WITH #8 GROUND CONDUCTOR.
 - BASE PLATE, LEVELING NUTS, BASE GROUT.
 - EXOTHERMICALLY WELDED GROUND CONNECTION.
 - LIGHTNING ARRESTOR.
 - HANDHOLE.

3 TYPE II POLE BASE
SCALE: NONE



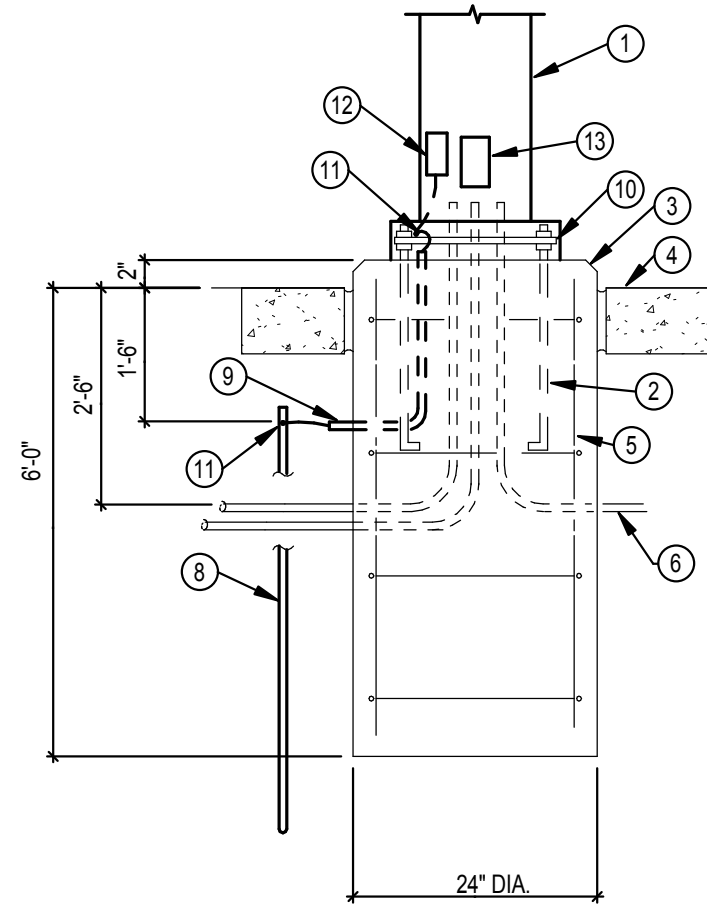
- DETAIL NOTES**
- SEE FIXTURE SCHEDULE FOR POLE AND FIXTURE ASSEMBLY.
 - ANCHOR BOLTS BY POLE SUPPLIER, WIRE TIE TO REBARS.
 - CHAMFERED EDGE.
 - FINISH GRADE, COMPACT TO 95%.
 - SIX #4 REINFORCING BARS VERTICALLY ON #3 STIRRUPS AT 18" O.C.
 - PVC CONDUIT, SCHEDULE 40.
 - RIGID GALVANIZED STEEL CONDUIT.
 - GROUND ROD.
 - 1/2" PVC GROUND CONDUCTOR SLEEVE WITH #8 GROUND CONDUCTOR.
 - POLE ANCHOR BY HADCO.
 - EXOTHERMICALLY WELDED GROUND CONNECTION.

2 DECORATIVE POLE BASE
SCALE: NONE



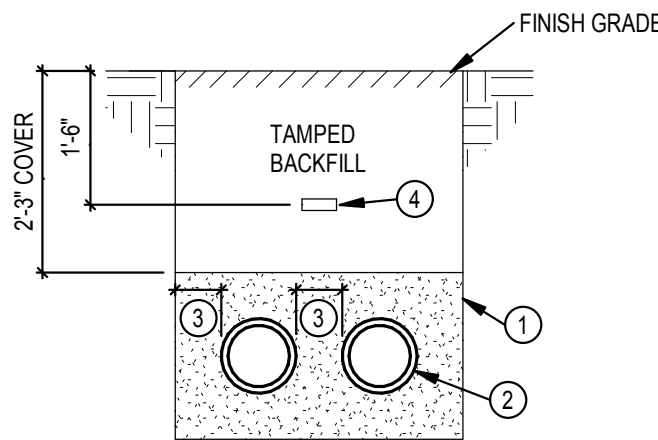
- DETAIL NOTES**
- 3" MINIMUM SAND ENCASUREMENT.
 - SCHEDULE 40 PVC DUCT. SIZE AS NOTED ON PLANS.
 - RED DYE, RED DUST OR YELLOW MARKER TAPE ON COMPACTED FILL.

1 UNDERGROUND DUCT - 1
SCALE: NONE



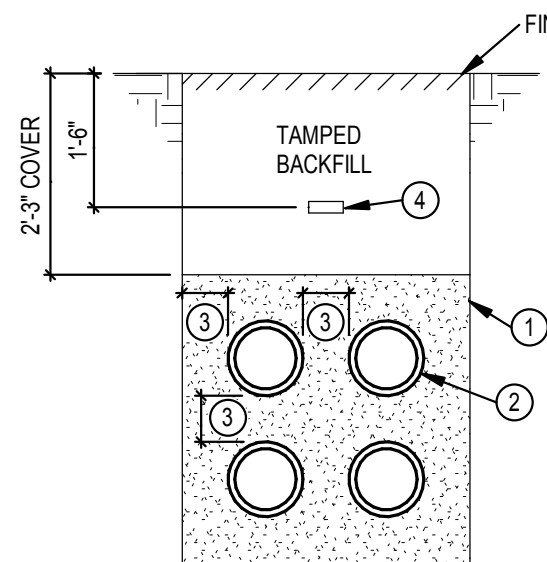
- DETAIL NOTES**
- SEE FIXTURE SCHEDULE FOR POLE AND FIXTURE ASSEMBLY.
 - ANCHOR BOLTS BY POLE SUPPLIER, WIRE TIE TO REBARS.
 - CHAMFERED EDGE.
 - FINISHED CONCRETE AREA.
 - SIX #4 REINFORCING BARS VERTICALLY ON #3 STIRRUPS AT 18" O.C.
 - PVC CONDUIT, SCHEDULE 40.
 - RIGID GALVANIZED STEEL CONDUIT.
 - GROUND ROD.
 - 1/2" PVC GROUND CONDUCTOR SLEEVE WITH #8 GROUND CONDUCTOR.
 - BASE PLATE, LEVELING NUTS, BASE GROUT.
 - EXOTHERMICALLY WELDED GROUND CONNECTION.
 - LIGHTNING ARRESTOR.
 - HANDHOLE.

4 TYPE I POLE BASE
SCALE: NONE



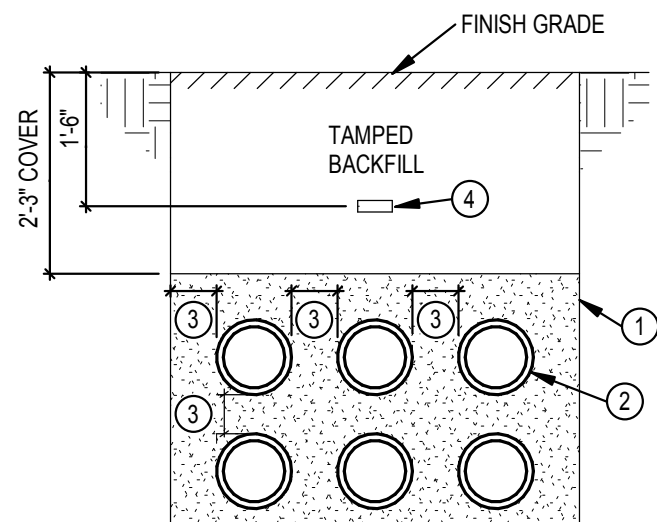
- DETAIL NOTES**
- 3" MINIMUM SAND ENCASUREMENT.
 - SCHEDULE 40 PVC, SIZE AS NOTED ON PLANS.
 - MIN. 3" SPACING BETWEEN CONDUITS AND MIN. 3" ENCASUREMENT (TYPICAL). PROVIDE CONDUIT SPACERS 6'-0" O.C.
 - RED DYE, RED DUST OR YELLOW MARKER TAPE ON COMPACTED FILL.

6 UNDERGROUND DUCTS - 2
SCALE: 1/8" = 1'-0"



- DETAIL NOTES**
- 3" MINIMUM SAND ENCASUREMENT.
 - SCHEDULE 40 PVC, SIZE AS NOTED ON PLANS.
 - MIN. 3" SPACING BETWEEN CONDUITS AND MIN. 3" ENCASUREMENT (TYPICAL). PROVIDE CONDUIT SPACERS 6'-0" O.C.
 - RED DYE, RED DUST OR YELLOW MARKER TAPE ON COMPACTED FILL.

5 UNDERGROUND DUCTS - 4
SCALE: NONE



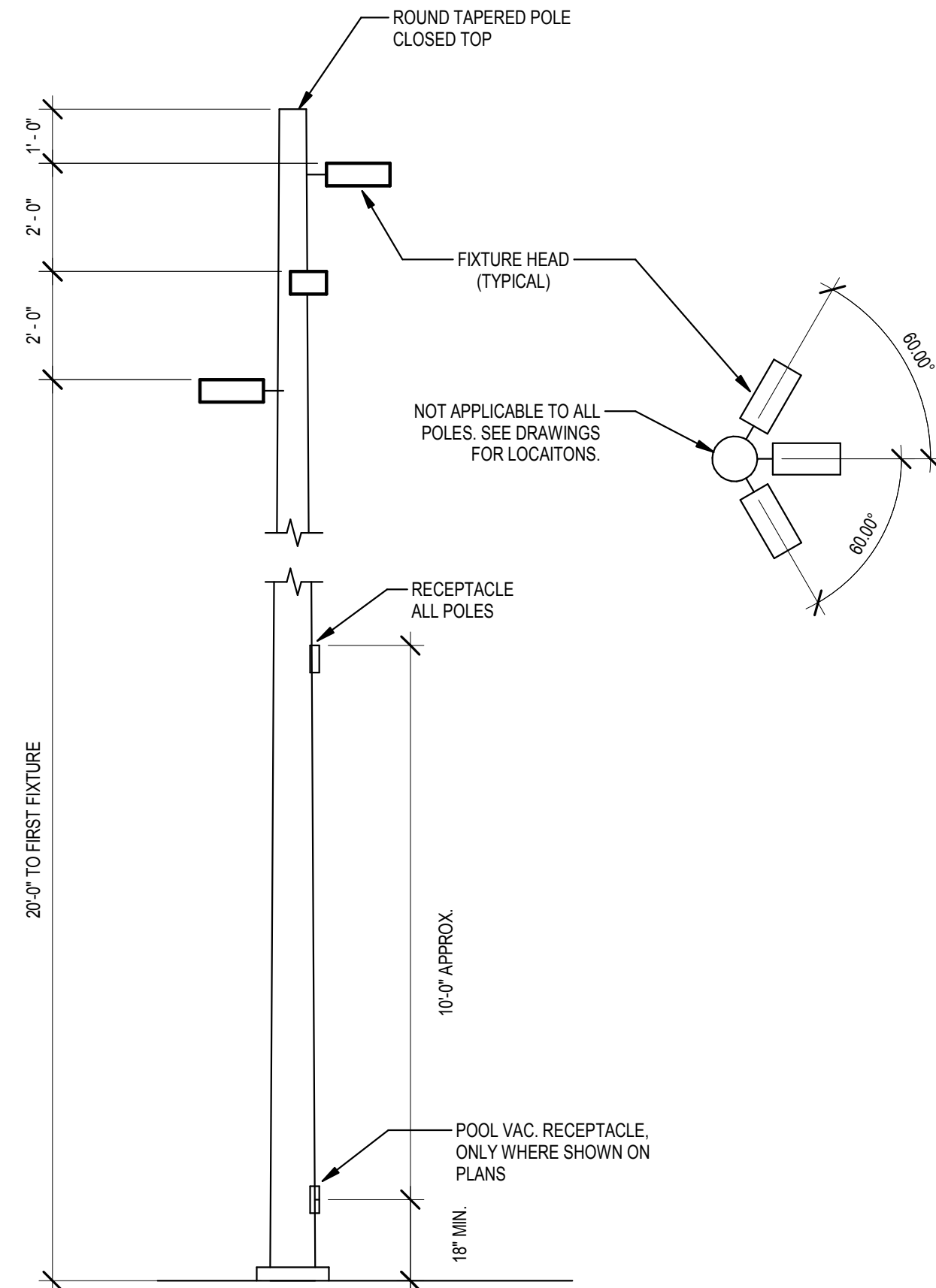
- DETAIL NOTES**
- 3" MINIMUM SAND ENCASUREMENT.
 - SCHEDULE 40 PVC, SIZE AS NOTED ON PLANS.
 - MIN. 3" SPACING BETWEEN CONDUITS AND MIN. 3" ENCASUREMENT (TYPICAL). PROVIDE CONDUIT SPACERS 6'-0" O.C.
 - RED DYE, RED DUST OR YELLOW MARKER TAPE ON COMPACTED FILL.

10 UNDERGROUND DUCTS - 6
SCALE: NONE

PANEL/ CIRCUIT #	CONTROL ZONE	FIXTURE TYPE	CONTROL SEQUENCE
LPB-1	X	PERIMETER	ON (DUSK) / OFF (PER OWNER, 12AM LATEST) / ON/OFF (6AM TO DAWN IF REQUESTED)
LPB-2	X	PERIMETER	ON (DUSK) / OFF (PER OWNER, 12AM LATEST) / ON/OFF (6AM TO DAWN IF REQUESTED)
LPB-3	X	PERIMETER	ON (DUSK) / OFF (PER OWNER, 12AM LATEST) / ON/OFF (6AM TO DAWN IF REQUESTED)
LPB-6,8	Z	STREET LTG.	ON (DUSK) / OFF (DAWN)
LPB-9,11	A	POLE LIGHTS	ON (DUSK) / OFF (PER OWNER, 12AM LATEST) / ON/OFF (6AM TO DAWN IF REQUESTED)
LPB-10,12	Z	STREET LTG.	ON (DUSK) / OFF (DAWN)
LPB-14,16	Z	PARKING/FLAG LTG.	ON (DUSK) / OFF (PER OWNER, 12AM LATEST) / ON/OFF (6AM TO DAWN IF REQUESTED)
LPB-18,20	Z	PARKING LTG.	ON (DUSK) / OFF (PER OWNER, 12AM LATEST) / ON/OFF (6AM TO DAWN IF REQUESTED)
LPB-22,24	Z	PARKING LTG.	ON (DUSK) / OFF (PER OWNER, 12AM LATEST) / ON/OFF (6AM TO DAWN IF REQUESTED)
LPB-33	B	NICHE LIGHTS	ON (DUSK) / OFF (PER OWNER, 12AM LATEST) / ON/OFF (6AM TO DAWN IF REQUESTED)
LPB-37	D	CANOPY LINEAR RGBW	ON (DUSK/PER OWNER) / OFF (PER OWNER, 12AM LATEST) / DMX COLOR CONTROL - PER OWNER
LPB-39	D	CANOPY LINEAR RGBW	ON (DUSK/PER OWNER) / OFF (PER OWNER, 12AM LATEST) / DMX COLOR CONTROL - PER OWNER
LPB-41	E	CANOPY SCONCES RGBW	ON (DUSK/PER OWNER) / OFF (PER OWNER, 12AM LATEST) / DMX COLOR CONTROL - PER OWNER

PANEL/ CIRCUIT #	CONTROL ZONE	FIXTURE TYPE	CONTROL SEQUENCE
LPA-1,3	A	POLE LIGHTS	ON (DUSK) / OFF (PER OWNER, 12AM LATEST) / ON/OFF (6AM TO DAWN IF REQUESTED)
LPA-2,4	C	POLE LIGHTS, (SECURITY)	ON (DUSK) / OFF (PER OWNER, SECURITY LTG.)
LPA-6,8	C	POLE LIGHTS, (SECURITY)	ON (DUSK) / OFF (PER OWNER, SECURITY LTG.)
LPA-9,11	A	POLE LIGHTS	ON (DUSK) / OFF (PER OWNER, 12AM LATEST) / ON/OFF (6AM TO DAWN IF REQUESTED)
LPA-14	G	SHADE SCONCES RGBW	ON (DUSK/PER OWNER) / OFF (PER OWNER, 12AM LATEST) / DMX COLOR CONTROL - PER OWNER
LPA-10,12	C	POLE LIGHTS, (SECURITY)	ON (DUSK) / OFF (PER OWNER, SECURITY LTG.)
LPA-21,23	A	POLE LIGHTS	ON (DUSK) / OFF (PER OWNER, 12AM LATEST) / ON/OFF (6AM TO DAWN IF REQUESTED)
LPA-29	F	SHADE RECEP	ON (DUSK) / OFF (PER OWNER, 12AM LATEST) / ON/OFF (6AM TO DAWN IF REQUESTED)
LPA-32	B	NICHE LIGHTS	ON (DUSK) / OFF (PER OWNER, 12AM LATEST)
LPA-34	B	NICHE LIGHTS	ON (DUSK) / OFF (PER OWNER, 12AM LATEST)
LPA-36	B	NICHE LIGHTS	ON (DUSK) / OFF (PER OWNER, 12AM LATEST)

9 MOTORIZED BREAKER SCHEDULE
SCALE: NONE



7 POLE LIGHT ELEVATION
SCALE: NONE

ISSUANCES

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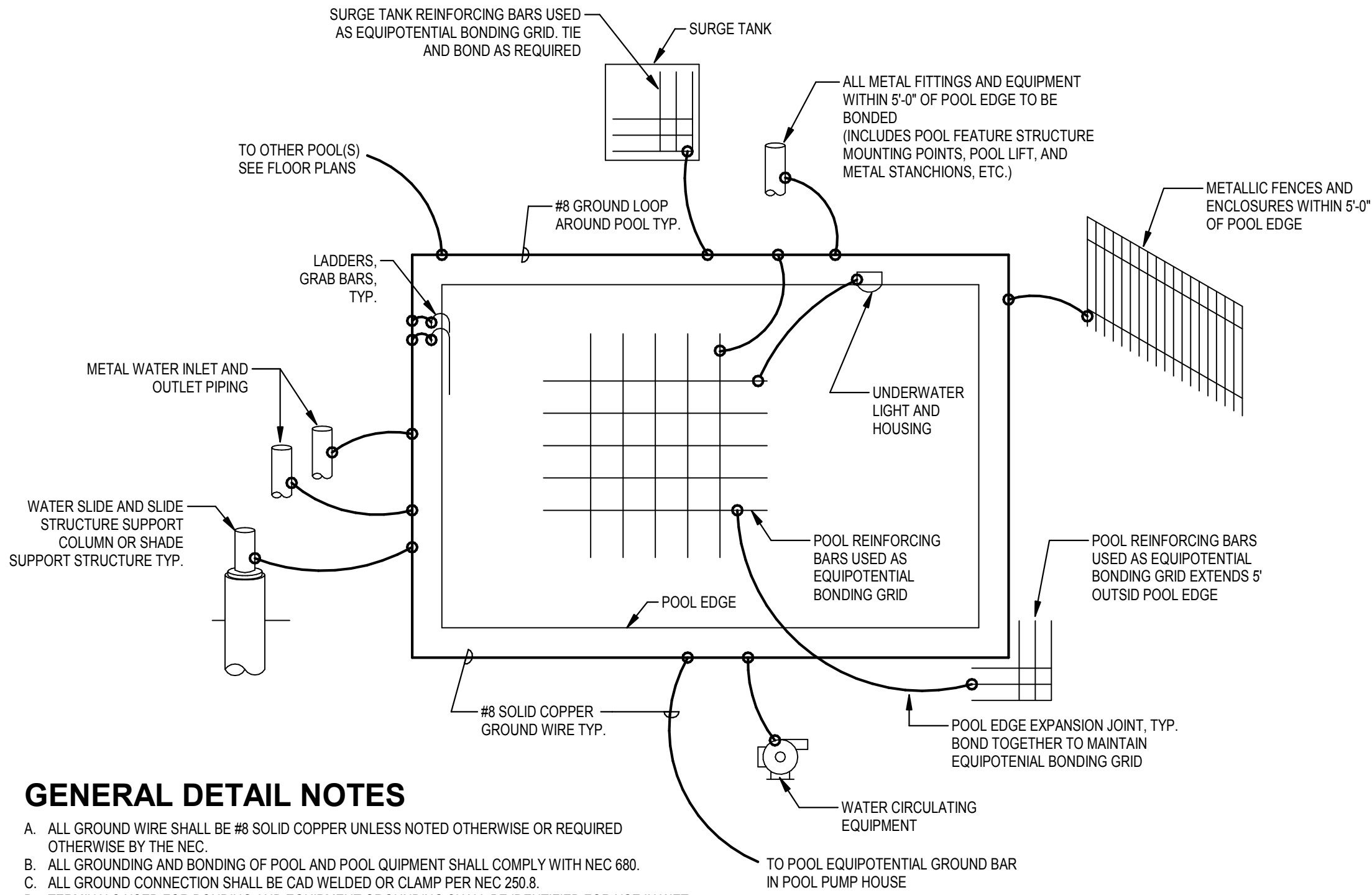
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DRAWING TITLE

ELECTRICAL DETAILS

SHEET NO.

E-501



GENERAL DETAIL NOTES

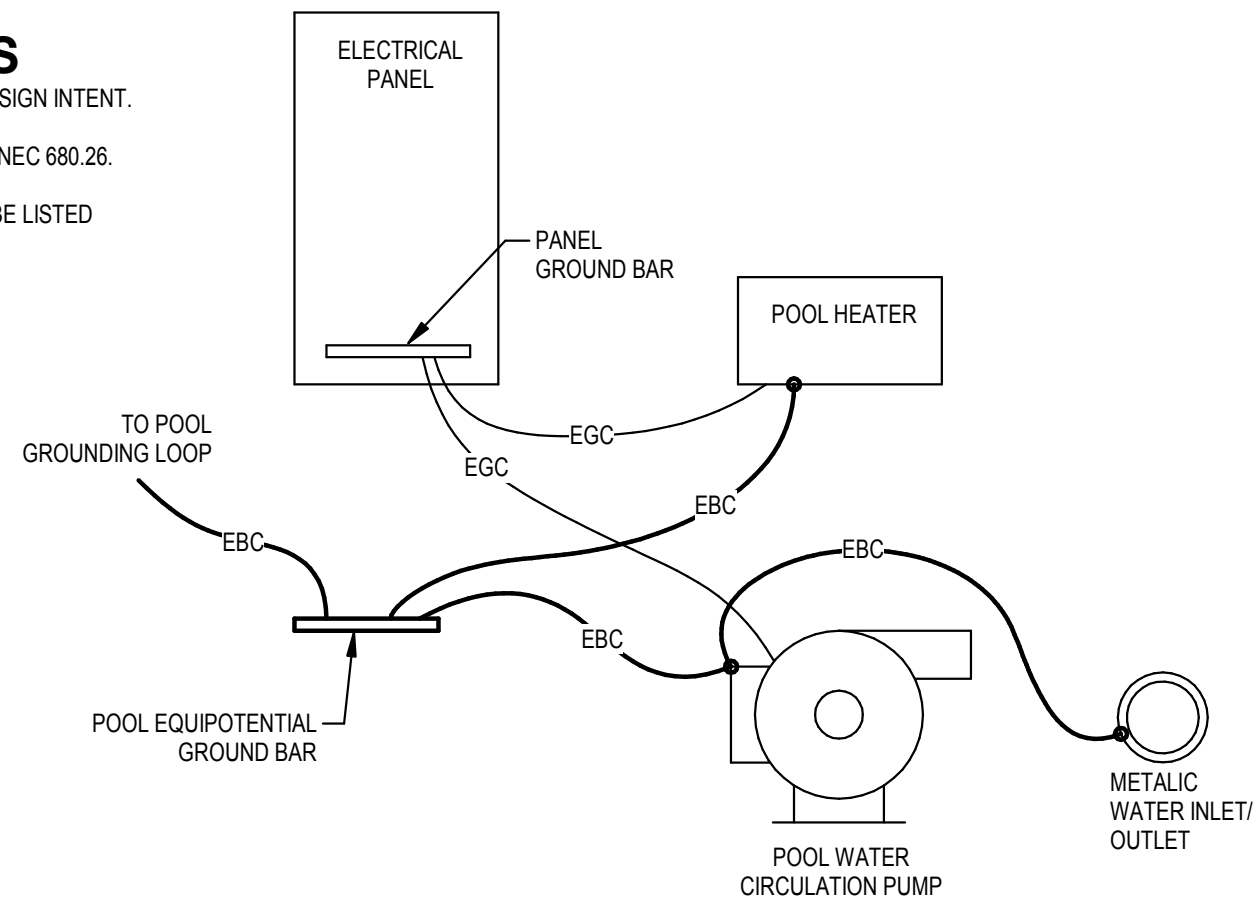
- ALL GROUND WIRE SHALL BE #8 SOLID COPPER UNLESS NOTED OTHERWISE OR REQUIRED OTHERWISE BY THE NEC.
- ALL GROUNDING AND BONDING OF POOL AND POOL QUIPMENT SHALL COMPLY WITH NEC 680.
- ALL GROUND CONNECTION SHALL BE CAD WELDED OR CLAMP PER NEC 250.8.
- TERMINALS USED FOR BONDING AND EQUIPMENT GROUNDING SHALL BE IDENTIFIED FOR USE IN WET LOCATIONS.
- GROUND ALL METAL DEVICES WITHIN 5' OF THE EDGE OF THE POOL AND METAL WITHIN 12' VERTICALLY AND 5' HORIZONTALLY OF THE SLIDE TOWERS.

2 POOL GROUNDING AND BONDING DETAIL

SCALE: NONE

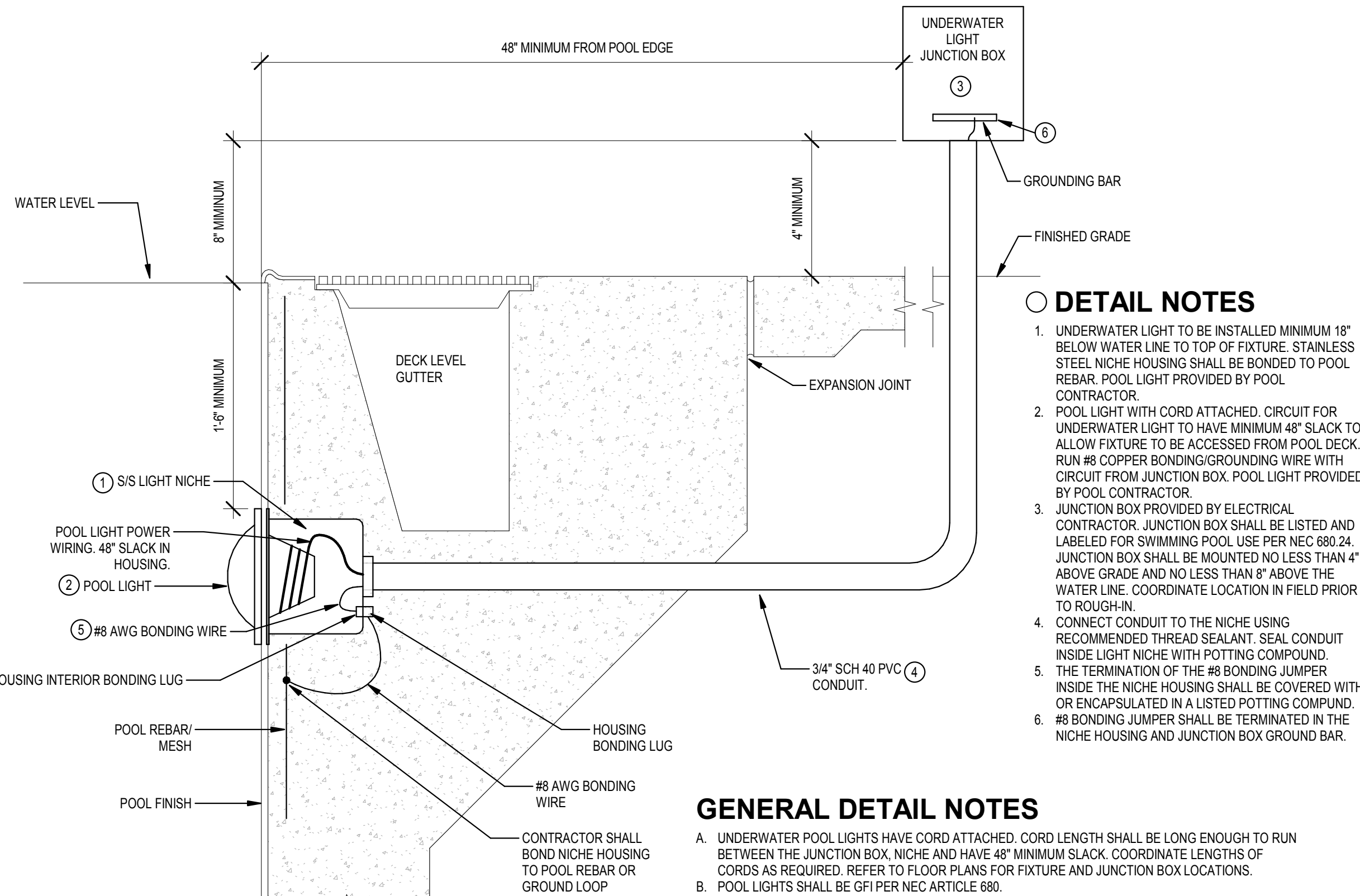
GENERAL DETAIL NOTES

- THIS DETAIL IS SCHEMATIC IN NATURE AND SHOWS DESIGN INTENT. REFER OTHER DETAILS ON ELECTRICAL PLANS.
- POOL EQUIPOTENTIAL BONDING SYSTEM SHALL MEET NEC 680.26.
- #8 AWG BONDING WIRE SHALL BE SOLID COPPER.
- ALL CONNECTIONS TO #8 AWG BONDING WIRE SHALL BE LISTED MEET NEC 250.8.
- EBC = EQUIPOTENTIAL BONDING CONDUCTOR
- EGC = EQUIPMENT GROUNDING CONDUCTOR



4 POOL EQUIPMENT EQUIPOTENTIAL BONDING DETAIL

SCALE: NONE



DETAIL NOTES

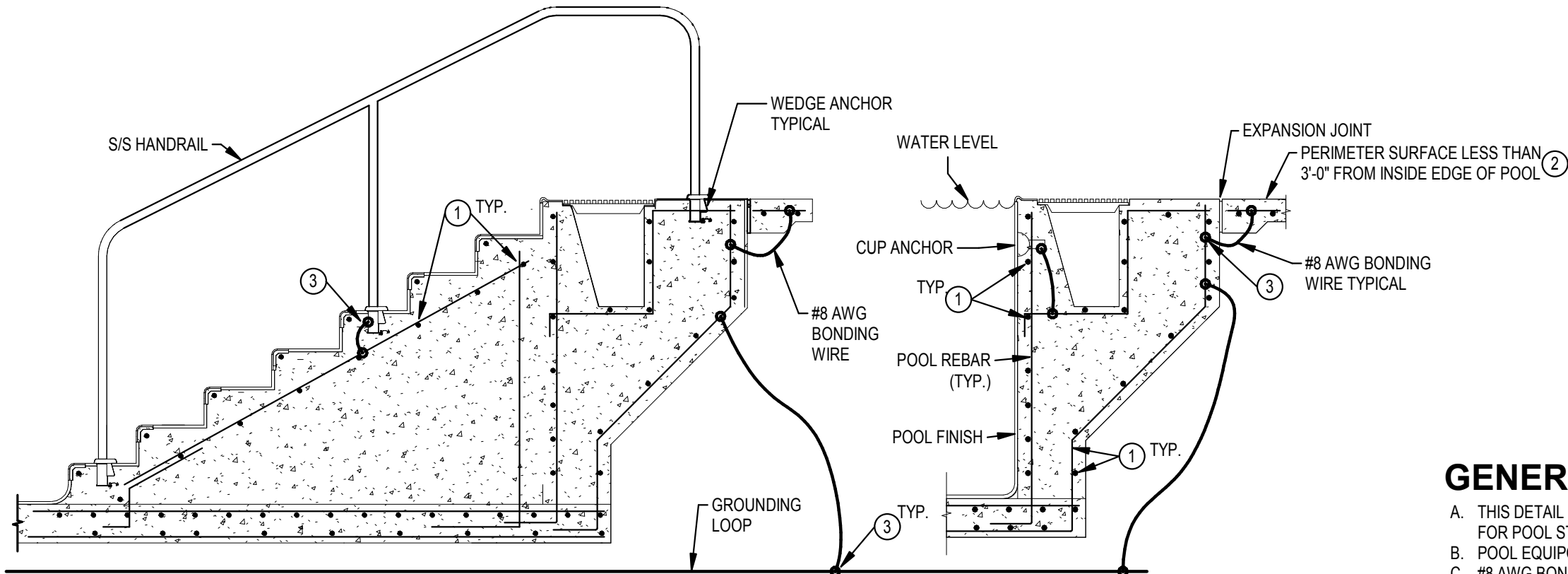
- UNDERWATER LIGHT TO BE INSTALLED MINIMUM 18" BELOW WATER LINE TO TOP OF FIXTURE. STAINLESS STEEL NICHE HOUSING SHALL BE BONDED TO POOL REBAR. POOL LIGHT PROVIDED BY POOL CONTRACTOR.
- POOL LIGHT WITH CORD ATTACHED. CIRCUIT FOR UNDERWATER LIGHT TO HAVE MINIMUM 48" SLACK TO ALLOW FIXTURE TO BE ACCESSED FROM POOL DECK. RUN #8 COPPER BONDING/GROUNDING WIRE WITH CIRCUIT FROM JUNCTION BOX. POOL LIGHT PROVIDED BY POOL CONTRACTOR.
- JUNCTION BOX PROVIDED BY ELECTRICAL CONTRACTOR. JUNCTION BOX SHALL BE LISTED AND LABELED FOR SWIMMING POOL USE PER NEC 680.24. JUNCTION BOX SHALL BE MOUNTED NO LESS THAN 4" ABOVE GRADE AND NO LESS THAN 8" ABOVE THE WATER LINE. COORDINATE LOCATION IN FIELD PRIOR TO ROUGH-IN.
- CONNECT CONDUIT TO THE NICHE USING RECOMMENDED THREAD SEALANT. SEAL CONDUIT INSIDE LIGHT NICHE WITH POTTING COMPOUND.
- THE TERMINATION OF THE #8 BONDING JUMPER INSIDE THE NICHE HOUSING SHALL BE COVERED WITH OR ENCAPSULATED IN A LISTED POTTING COMPOUND.
- #8 BONDING JUMPER SHALL BE TERMINATED IN THE NICHE HOUSING AND JUNCTION BOX GROUND BAR.

GENERAL DETAIL NOTES

- UNDERWATER POOL LIGHTS HAVE CORD ATTACHED. CORD LENGTH SHALL BE LONG ENOUGH TO RUN BETWEEN THE JUNCTION BOX, NICHE AND HAVE 48" MINIMUM SLACK. COORDINATE LENGTHS OF CORDS AS REQUIRED. REFER TO FLOOR PLANS FOR FIXTURE AND JUNCTION BOX LOCATIONS.
- POOL LIGHTS SHALL BE GFI PER NEC ARTICLE 680.

1 UNDERWATER POOL LIGHT DETAIL

SCALE: NONE



DETAIL NOTES

- POOL STRUCTURE REINFORCING BARS ARE USED FOR THE EQUIPOTENTIAL BONDING GRID. BARS SHALL BE BONDED TOGETHER AT ALL CROSSING POINTS BY STEEL TIE WIRES PER NEC 680.26.
- ALL CONDUCTIVE PERIMETER SURFACES LOCATED LESS THAN 3'-0" FROM INSIDE EDGE OF POOL AND NOT CONTINUOUS TO POOL STRUCTURE SHALL BE BONDED TOGETHER PER NEC 680. PERIMETER SURFACES MORE THAN 5' FROM INSIDE EDGE OF POOL DO NOT NEED TO BE BONDED.
- GROUNDING CONNECTION SHALL BE CADWELD OR CLAMP TYPER PER NEC.

GENERAL DETAIL NOTES

- THIS DETAIL IS SCHEMATIC IN NATURE AND SHOWS DESIGN INTENT. REFER TO AQUATICS "AQ" PLANS FOR POOL STRUCTURAL DETAILS.
- POOL EQUIPOTENTIAL BONDING SYSTEM SHALL MEET NEC 680.26.
- #8 AWG BONDING WIRE SHALL BE SOLID COPPER.
- ALL CONNECTIONS TO #8 AWG BONDING WIRE SHALL BE LISTED MEET NEC 250.8.
- TERMINALS USED FOR BONDING AND EQUIPMENT GROUNDING SHALL BE IDENTIFIED FOR USE IN WET LOCATIONS.

3 POOL EQUIPOTENTIAL BONDING DETAIL

SCALE: NONE



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ELECTRICAL DETAILS

SHEET NO.

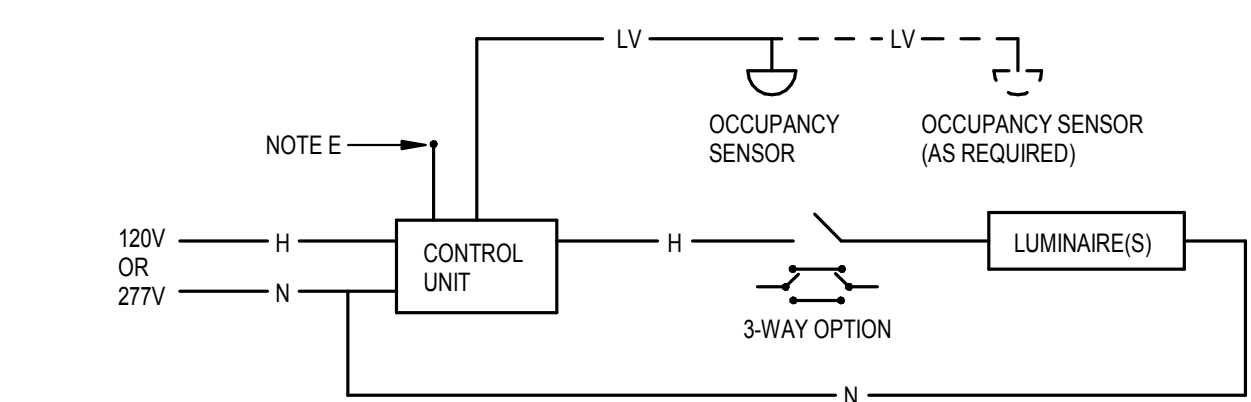
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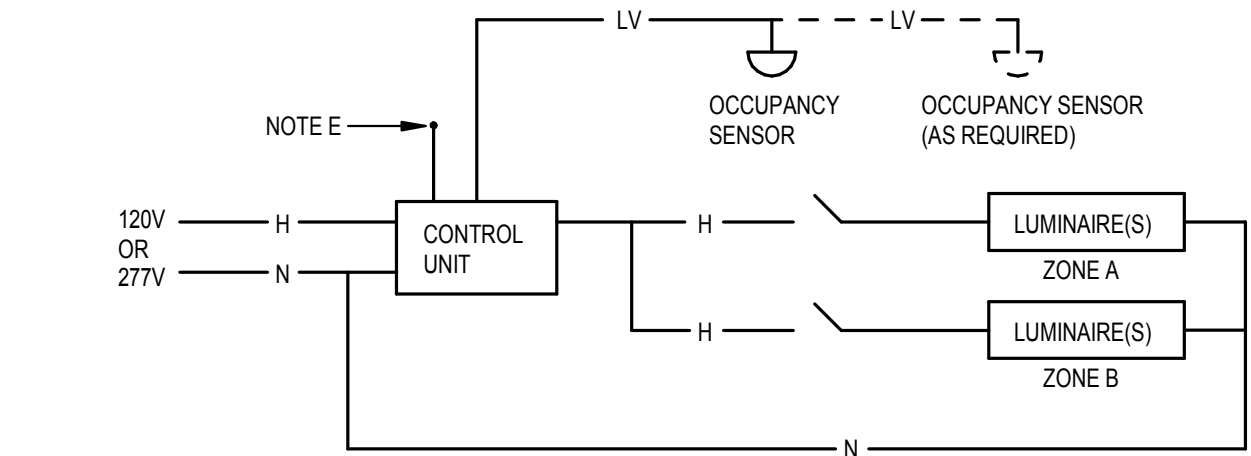
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3/14/2025 10:08:37 AM



SINGLE ZONE



BI-LEVEL OR
(MULTI-ZONE)

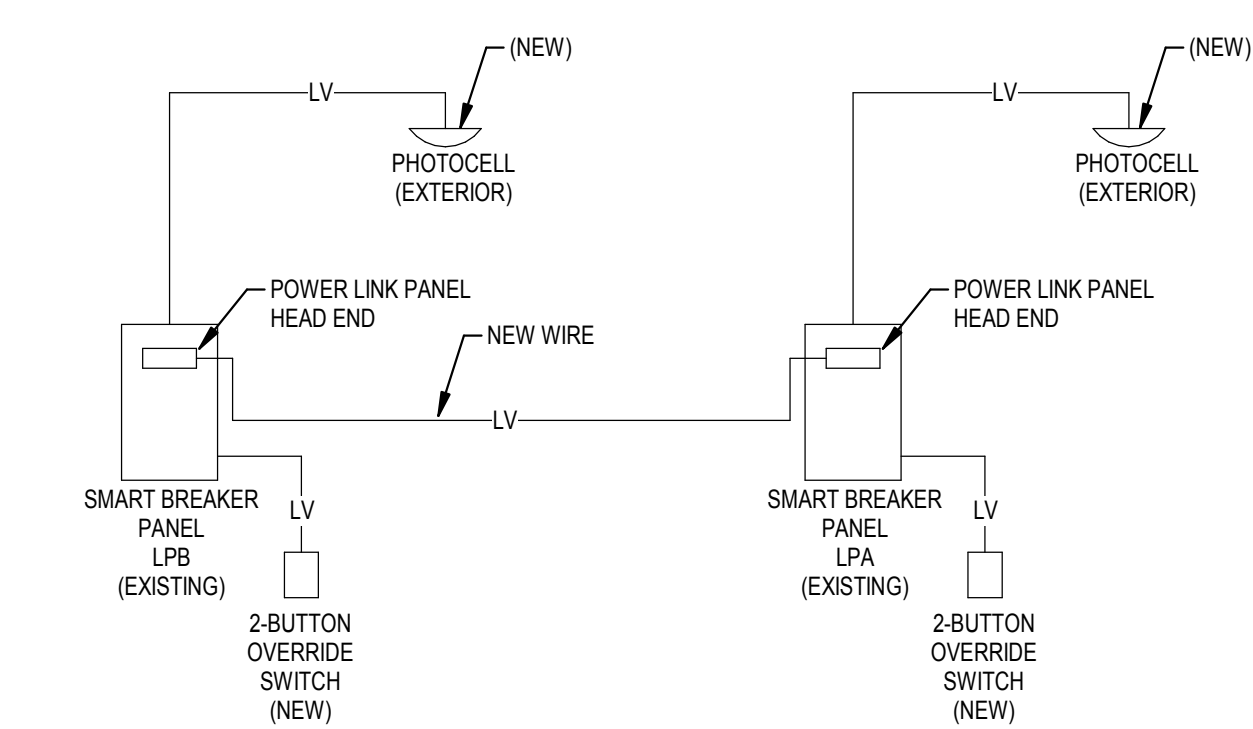
LV - LOW VOLTAGE CONTROL CABLE AS REQUIRED BY MANUFACTURER
H - HOT WIRE LINE VOLTAGE
N - NEUTRAL WIRE LINE VOLTAGE

GENERAL NOTES

- OPERATION INTENT IS FOR OCCUPANCY SENSING ON/OFF WITH MANUAL OVERRIDE AND MULTIPLE ZONES OPERATION OF ALL LIGHTS. CONTROL UNIT SHALL PROVIDE AN ON/OFF FOR ALL ZONES. WALL STATION(S) TO PROVIDE ON/OFF AND SWITCHES. REFER TO PLANS FOR QUANTITY OF LIGHTING ZONES.
- CONTROL UNIT SHALL BE MOUNTED IN AN ENCLOSURE PER MANUFACTURER'S DIRECTION. MOUNT CONTROL UNIT ABOVE ACCESSIBLE CEILING AT ROOM ENTRY.
- CONTRACTOR SHALL COORDINATE WITH MANUFACTURER FOR EXACT QUANTITY OF OCCUPANCY SENSORS (FOR COMPLETE ROOM COVERAGE) AND PROVIDE ANY ADDITIONAL COMPONENTS FOR A COMPLETE AND OPERABLE SYSTEM. COORDINATE COMPONENT MOUNTING LOCATIONS FOR PROPER CLEARANCE AND ACCESSIBILITY PRIOR TO ROUGH-IN. COORDINATE PROGRAMMING OF ZONES AND WALL STATION CONFIGURATIONS, AS SHOWN ON DRAWINGS, WITH MANUFACTURER.
- DETAIL IS SCHEMATIC IN NATURE. REFER TO MANUFACTURER'S WIRING DIAGRAMS FOR EXACT WIRING INFORMATION.
- PROVIDE ISOLATED FORM C CONTACT OUTPUT INDICATING SPACE OCCUPIED FOR BAS CONTROL, WHERE NOTED.

B OCCUPANCY SENSOR WITH OVERRIDE CONTROL

SCALE: NONE

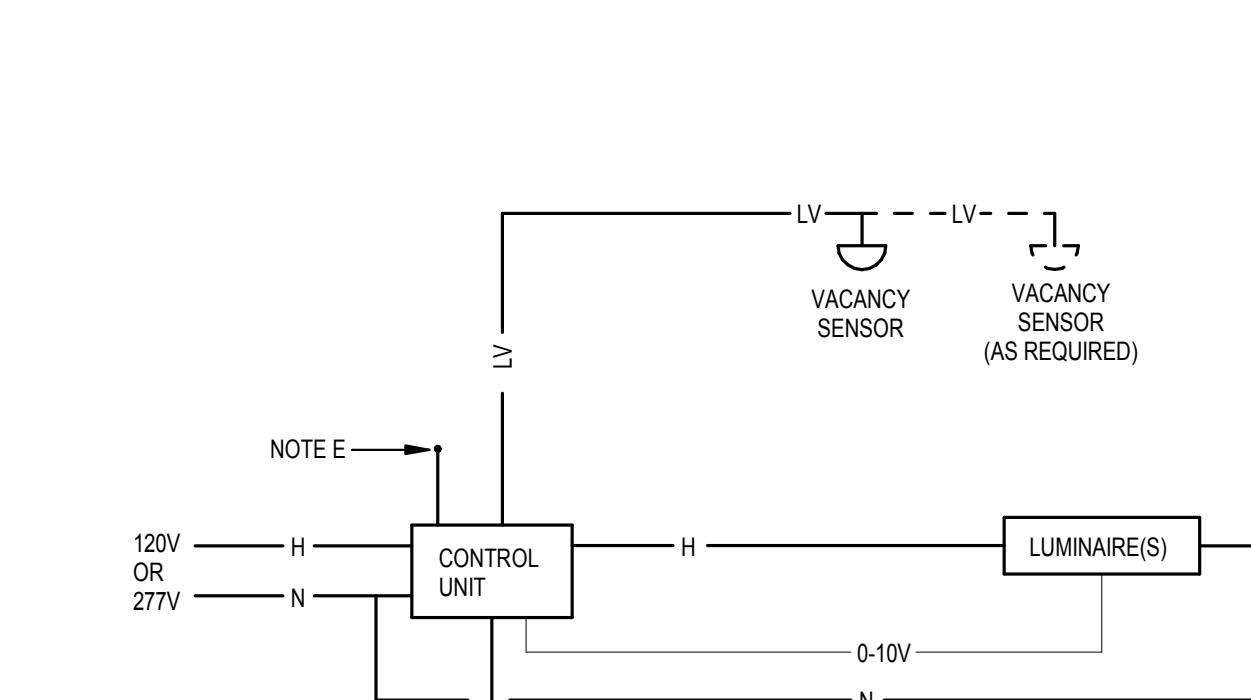


DETAIL NOTES

- EXISTING PANELS LPA AND LPB ARE SCHNEIDER ELECTRIC POWERLINK TYPE. VERIFY EXISTING HEAD END CONTROL UNIT IS OPERATIONAL. IF NOT THEN PROVIDE NEW.
- CONTROL INTENT FOR PANEL TO SWEEP LIGHTS "OFF" AT XXXPM AND "ON" AT DUSK, OR BASED ON A SET TIME-OF-DAY SCHEDULE. REFER TO LIGHTING CONTROLS SCHEDULES FOR ADDITIONAL INFORMATION.
- THE TIME-OF-DAY SIGNAL SHALL ORIGINATE FROM INTERNAL ASTRONOMICAL TIME CLOCK.
- NEW LOCAL LOW-VOLTAGE SWITCHES TO OVERRIDE LIGHTS "ON" AFTER HOURS FOR NO MORE AND 2-HOURS. CONTROL SWITCHES SHALL BE COMPATIBLE WITH PANEL CONTROLS. CONTROL SWITCH SHALL BE MOUNTED ADJACENT TO PANEL.
- THE EXTERIOR PHOTOCELL SHALL CONTROL EXTERIOR LIGHTS "ON" AT DUSK. THE LIGHTING CONTROL PANEL SHALL TURN THE EXTERIOR LIGHTS "OFF" AND "ON" AT A SET TIME-OF-DAY.
- IF POSSIBLE PROVIDE LOW-VOLTAGE LINK BETWEEN PANELS AS SHOWN. IF NOT POSSIBLE THEN BOTH PANELS SHALL BE ABLE TO OPERATE INDEPENDENTLY BUT PROGRAMMED THE SAME.

D SMART BREAKER PANEL WIRING

SCALE: NONE



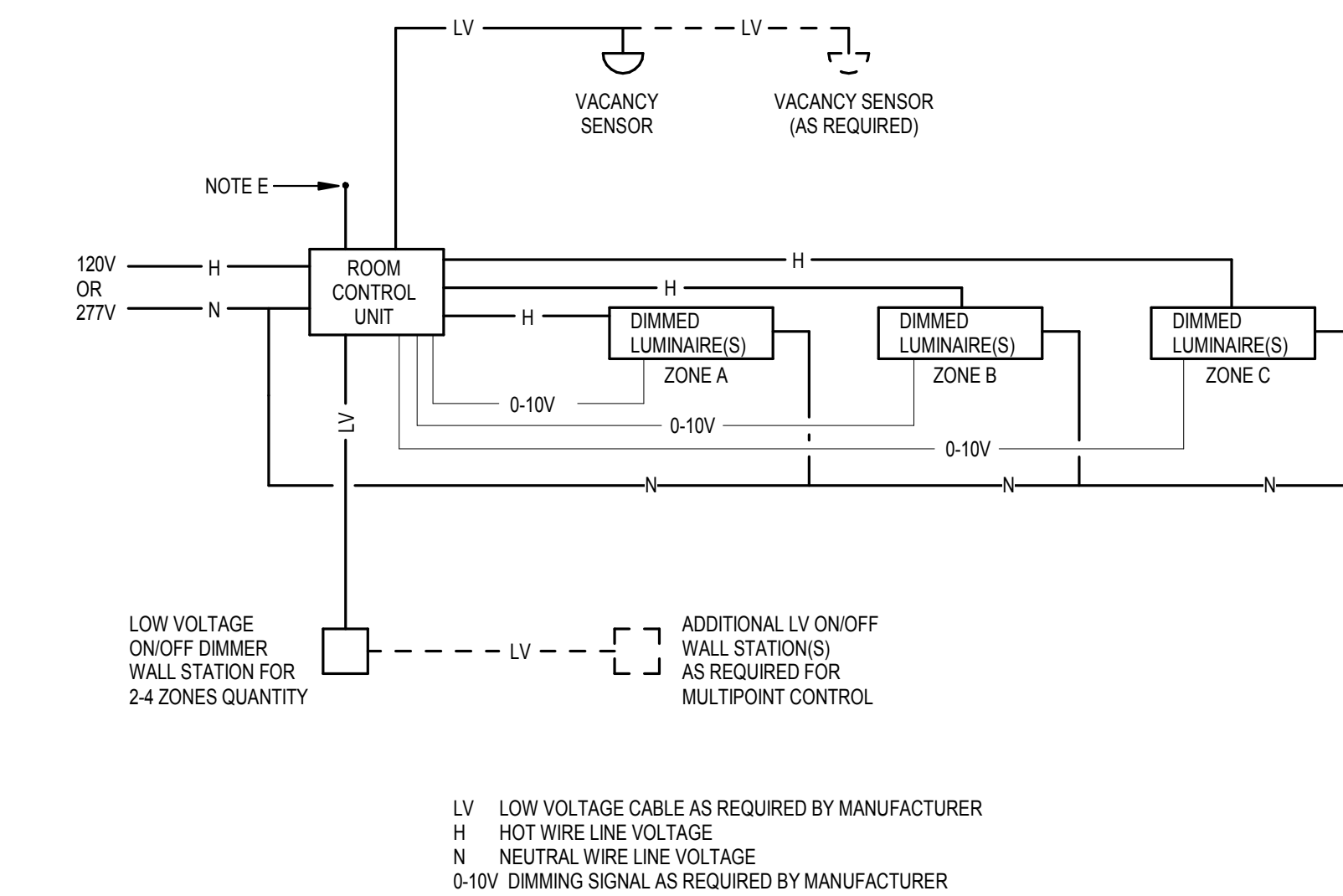
LV - LOW-VOLTAGE CABLE AS REQUIRED BY MANUFACTURER
0-10V - LOW-VOLTAGE DIMMING SIGNAL

GENERAL NOTES

- OPERATION INTENT IS FOR MANUAL ON/OFF AND RAISE/LOWER FOR ALL LUMINAIRES IN SPACE. AUTOMATIC OFF WILL BE PROVIDED BY THE LOCAL VACANCY SENSOR.
- CONTROL UNIT SHALL BE MOUNTED IN AN ENCLOSURE PER MANUFACTURER'S DIRECTION. MOUNT CONTROL UNIT ABOVE ACCESSIBLE CEILING AT ROOM ENTRY.
- CONTRACTOR SHALL COORDINATE WITH MANUFACTURER FOR EXACT QUANTITY OF OCCUPANCY SENSORS (FOR COMPLETE ROOM COVERAGE) AND PROVIDE ANY ADDITIONAL COMPONENTS FOR A COMPLETE AND OPERABLE SYSTEM. COORDINATE COMPONENT MOUNTING LOCATIONS FOR PROPER CLEARANCE AND ACCESSIBILITY PRIOR TO ROUGH-IN. COORDINATE PROGRAMMING OF ZONES AND WALL STATION CONFIGURATIONS, AS SHOWN ON DRAWINGS, WITH MANUFACTURER.
- DETAIL IS SCHEMATIC IN NATURE. REFER TO MANUFACTURER'S WIRING DIAGRAMS FOR EXACT WIRING INFORMATION.
- PROVIDE ISOLATED FORM C CONTACT OUTPUT INDICATING SPACE OCCUPIED FOR BAS CONTROL, WHERE NOTED.

A VACANCY SENSOR CONTROL WITH DIMMING - SINGLE ZONE

SCALE: NONE



LV - LOW VOLTAGE CABLE AS REQUIRED BY MANUFACTURER
H - HOT WIRE LINE VOLTAGE
N - NEUTRAL WIRE LINE VOLTAGE
0-10V - DIMMING SIGNAL AS REQUIRED BY MANUFACTURER

GENERAL NOTES

- OPERATION INTENT IS FOR LOW VOLTAGE DIMMING WITH MANUAL ON/OFF AND MULTIPLE ZONE / SCENE CONTROL. AUTO-OFF OPERATION OF ALL LIGHTS PROVIDED BY THE LOCAL OCCUPANCY SENSOR. CONTROL UNIT SHALL CONTROL ALL ZONES. REFER TO PLANS FOR QUANTITY OF LIGHTING ZONES.
- CONTROL UNIT SHALL BE MOUNTED IN AN ENCLOSURE PER MANUFACTURER'S DIRECTION. MOUNT CONTROL UNIT ABOVE ACCESSIBLE CEILING AT ROOM ENTRY.
- CONTRACTOR SHALL COORDINATE WITH MANUFACTURER FOR EXACT QUANTITY OF OCCUPANCY SENSORS (FOR COMPLETE ROOM COVERAGE) AND PROVIDE ANY ADDITIONAL COMPONENTS FOR A COMPLETE AND OPERABLE SYSTEM. COORDINATE COMPONENT MOUNTING LOCATIONS FOR PROPER CLEARANCE AND ACCESSIBILITY PRIOR TO ROUGH-IN. COORDINATE PROGRAMMING OF ZONES AND WALL STATION CONFIGURATIONS, AS SHOWN ON DRAWINGS, WITH MANUFACTURER.
- DETAIL IS SCHEMATIC IN NATURE. REFER TO MANUFACTURER'S WIRING DIAGRAMS FOR EXACT WIRING INFORMATION.
- PROVIDE ISOLATED FORM C CONTACT OUTPUT INDICATING SPACE OCCUPIED FOR BAS CONTROL, WHERE NOTED.

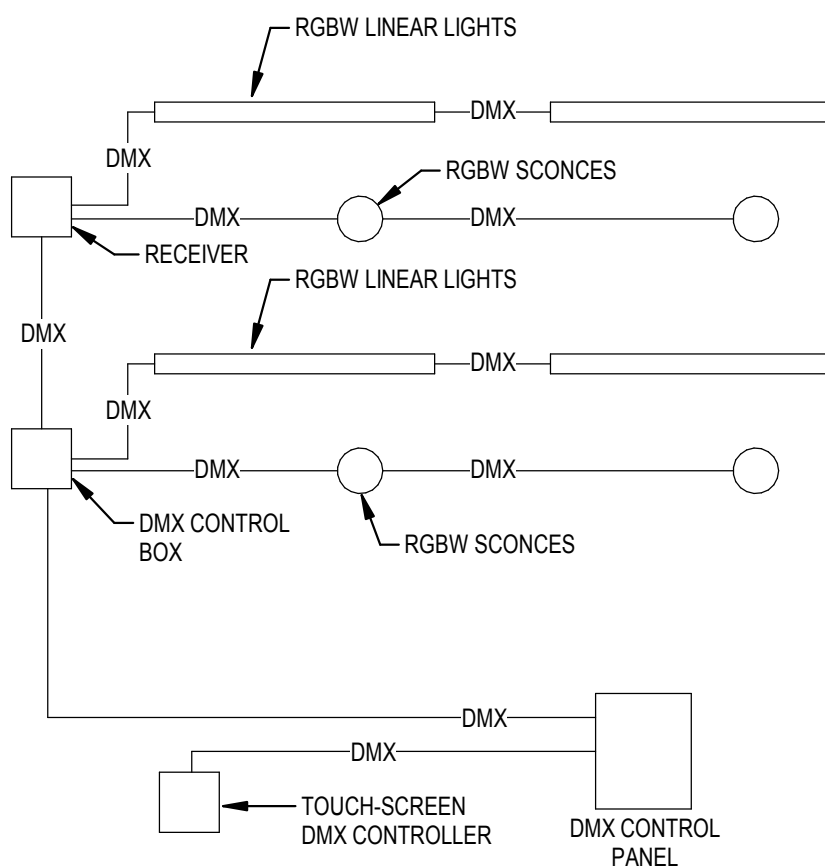
C VACANCY SENSING MULTI-ZONE CONTROLLED DIMMING

SCALE: NONE

LIGHTING CONTROL SEQUENCE OF OPERATIONS

NOTES:
1. PHOTOCELL TIED TO SMART BREAKER PANEL TO CONTROL LIGHTS ON AT CONTROLLER TO BE LOCATED IN STAFF OFFICE PER OWNER DIRECTION. DUSK: PANEL TIME CLOCK TO TURN LIGHTS OFF AT 12AM AT THE LATEST. CONTROLLER SHALL BE PROGRAMMED PER OWNER DIRECTION. PROVIDE OR PER OWNER DIRECTION. FOR SECURITY LIGHTS TURN ON WITH OTHER ALL COMPONENTS. WIRING AND PROGRAMMING REQUIRED FOR A FIXTURES BUT TO BE TURNED OFF AT DAWN OR SEPARATE TIME DIRECTED COMPLETE AND OPERATIONAL SYSTEM.
2. PROVIDE DMX CONTROLLER AND CONTROL SYSTEM FOR RGBW LIGHTS.

CONTROL NUMBER	TYPICAL CONTROL TYPE OR SPACE NAME	OCCUPANCY SENSOR				TIME CLOCK				WALL SWITCH				DAYLIGHT SENSOR				SEE NOTE	DETAIL NUMBER		
		VACANCY MODE (MANUAL ON)	OCCUPANCY MODE (AUTO ON)	SENSOR TIME OUT PERIOD (IN MINUTES)	HIGH / LOW OPERATION: OCCUPIED: 100% / VACANT: 30%	SCHEDULED ON AT	SCHEDULED OFF AT	OCCUPIED TIME START	UNOCCUPIED TIME START	AFTER HOURS OVERRIDE SWITCH (2 HOURS)	ON / OFF ONLY	DIMMER SWITCH	KEY SWITCH	SCENE SWITCH	GRAPHICAL WALL STATION	INDOOR - ON / OFF ONLY	INDOOR - DIMMING			LIGHT LEVEL MAINTAINED AT (IN FOOTCANDLES @ 2'-6" A.F.F.)	EXTERIOR PHOTOCELL - ON / OFF
1	LINE-VOLTAGE SWITCHING					DUSK	12AM			•									•	1	N/A
2	EXTERIOR PERIMETER																				D
3	VACANCY SENSING - SINGLE ZONE - DIMMING	•		30							•										A
4	VACANCY SENSING - MULTI ZONE	•		30							•		•								C
5	OCCUPANCY SENSOR CONTROL		•	30						•											B
6	CANOPY RGBW					DUSK	12AM			•									•	1.2	D, E, 9/E-501
7	POOL SITE LIGHTING					DUSK	12AM			•									•	1	D, 9/E-501
8	UNDERWATER LIGHTS					DUSK	12AM			•									•	1	D, 9/E-501
9	POOL SITE SECURITY LIGHTING					DUSK	PER OWNER			•									•	1.3	D, 9/E-501
10	EXISTING PARKING LIGHTING					DUSK	12AM			•									•	1	D, 9/E-501
11	SHADE RECEPTACLE					DUSK	12AM			•									•	1	D, 9/E-501
12	SHADE RGBW LTG					DUSK	12AM			•									•	1.2	D, E, 9/E-501



GENERAL NOTES

- OPERATION INTENT IS FOR ALL DMX CONTROLLED RGBW FIXTURES TO BE CONTROLLED TOGETHER FROM MAIN RGBW CONTROLLER. REFER TO PLANS FOR QUANTITY OF LIGHTING ZONES.
- EXTERIOR MOUNTED CONTROL UNIT SHALL BE MOUNTED IN A WEATHERPROOF ENCLOSURE PER MANUFACTURER'S DIRECTION. MOUNT CONTROL UNIT IN AN ACCESSIBLE LOCATION.
- CONTRACTOR SHALL COORDINATE WITH MANUFACTURER FOR EXACT QUANTITY OF EQUIPMENT AND DEVICES FOR COMPLETE AND OPERATIONAL SYSTEM) AND PROVIDE ANY ADDITIONAL COMPONENTS FOR A COMPLETE AND OPERABLE SYSTEM. COORDINATE COMPONENT MOUNTING LOCATIONS FOR PROPER CLEARANCE AND ACCESSIBILITY PRIOR TO ROUGH-IN. COORDINATE PROGRAMMING OF ZONES AND CONFIGURATIONS, AS SHOWN ON DRAWINGS, WITH MANUFACTURER.
- DETAIL IS SCHEMATIC IN NATURE. REFER TO MANUFACTURER'S WIRING DIAGRAMS FOR EXACT WIRING INFORMATION.
- BASIS OF DESIGN IS PATHWAY AND PHAROS. EQUALS BY COLOR COLORKINETICS OR APPROVED EQUAL.

E DMX CONTROL WIRING DIAGRAM

SCALE: NONE

ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By EWH	
Checked By DED	
Client Number 948	
Project Number 7383	

DRAWING TITLE

LIGHTING CONTROLS AND DETAILS

SHEET NO.

E-503

LUMINAIRES																								
MARK	L.E.D.	LAMPS		LOAD (VA)	FIXTURE VOLTAGE	MANUFACTURER	CATALOG NO.	DESCRIPTION	OTHER ACCEPTABLE MANUFACTURERS	DIFFUSING MEDIA	TRIM COLOR				MOUNTING	SIZE				SEE NOTE				
		DELIVERED LUMENS	COLOR								WHITE	BLACK	ALUMINUM	BRONZE		STANDARD	SEE NOTE	S-SURFACE R-RECESSED SM-STEM MTD WM-WALL MTD C-CHAIN MTD UC-UNDER CAB CS-CEIL SURFACE	DIAMETER		WIDTH	LENGTH	DEPTH	
B1	X	4777	4000K	36	120	LITHONIA	2GTL-4-48L-MVOLT-EZ1-LP840	RECESSED LED TROFFER	COLUMBIA LJT24, UTOPIA ELT	ACRYLIC LENS	•				R	24"	48"	3.25"						
C1	X	5000	4000K	64	120	LITHONIA	CSVLT-48-5000LM-MVOLT-40K-80CRI-STSL	WET LOCATION, SEALED AND GASKETED LINEAR STIP FIXTURE	COLUMBIA CVT, UTOPIA LDW	ACRYLIC LENS			•		S	5.398"	48"	3.801"						
C2	X	10,000	4000K	64	120	LITHONIA	CSVLT-96-10000LM-MVOLT-40K-80CRI-STSL	WET LOCATION, SEALED AND GASKETED LINEAR STIP FIXTURE	COLUMBIA CVT, UTOPIA LDW	ACRYLIC LENS				•	S	5.398"	96"	3.801"						
C3	X	5000	4000K	42	120	LITHONIA	CLX-L48- 5000LM - SEF-FDL-MVOLT-GZ1-40K-80CRI-WH	LINEAR STIP FIXTURE	COLUMBIA MPS, UTOPIA ELS	ACRYLIC LENS	•				C	2.719"	48"	3.441"						
EM1	X		5000K	3	120	LITHONIA	ELM2L-UVOLT-LTP-M12	EMERGENCY LIGHTING UNIT 2-HEAD	DUAL LITE, EXITRONIX	ACRYLIC LENS	•				WM @ 7"	4.68"	9.719"	3.102"	12, 14					
EM2			5000K	4	120	LITHONIA	ELMRW-LP220L-DBLXD-T	2-HEAD REMOTE EGRESS LIGHT, WET LISTED	DUAL LITE, EXITRONIX	CLEAR LENS		•			WM @ 8.4" TO CENTER	8"			13					
K1	X	2912	4000K	24	120	LITHONIA	WPX1-LED-P2-40K-MVOLT-DBLXD	LED WALL PACK	LSI WPSLL,UTOPIA DWP2	ACRYLIC LENS		•			WM	11"	3.199"	8"	6, 11					
K1E	X	2912	4000K	24	120	LITHONIA	WPX1-LED-P2-40K-MVOLT-EW14C-DBLXD	LED WALL PACK WITH INTEGRAL COLD WEATHER BATTERY	LSI WPSLL,UTOPIA DWP2	ACRYLIC LENS		•			WM	11"	3.199"	8"	6, 11					
P1	X	5571	4000K	46	120	SPI	AIP12380-22IN-L46W-120-277-3500K-DF_80-PSS	PENDANT MOUNTED GLOBE - 22 IN DIAMETER	VISA 22" ZUME,	THERMOPLASTIC SATIN FINISH	•				P - 12" TO BOTTOM	22"		12"	5					
PL1	X	15,576	4000K	107	208	SELUX	U6-R3-S1-AS-5G700-40-BK-UNV-IMDxy / POLE - U-AT64-188-25-BK-BC9-REC2	LED POLE LIGHT	NLS LIGHTING NV-1, LIGMAN USE	ACRYLIC LENS		•			25' POLE, 8" ROUND TAPERED	12"	17.125	6"	2, 6					
PL2	X	15,576 (X2)	4000K	214	208	SELUX	U6-R4-SB2-AS-5G700-40-BK-UNV-IMDxy / POLE - U-AT64-188-25-BK-BC9-REC2	2-HEAD POLE LIGHT	NLS LIGHTING NV-1, LIGMAN USE	ACRYLIC LENS		•			25' POLE, 8" ROUND TAPERED	12"	17.125	6"	1, 2, 6					
PL3	X	15,576 (X3)	4000K	444	208	SELUX	U6-R4-SB3-AS-5G700-40-BK-UNV-IMDxy / POLE - U-AT64-188-25-BK-BC9-REC2	3-HEAD POLE LIGHT	NLS LIGHTING NV-1, LIGMAN USE	ACRYLIC LENS		•			25' POLE, 8" ROUND TAPERED	12"	17.125	6"	1, 2, 6					
PL4	X	15,576 (X4)	4000K	596	208	SELUX	U6-R4-SB4-AS-5G700-40-BK-UNV-IMDxy / POLE - U-AT64-188-25-BK-BC9-REC2	4-HEAD POLE LIGHT	NLS LIGHTING NV-1, LIGMAN USE	ACRYLIC LENS		•			25' POLE, 8" ROUND TAPERED	12"	17.125	6"	1, 2, 6					
W1	X		RGBW	88	120	LUMENPULSE	LFM-CH-48-22W-10X30-DMX/RDM-MRGB40K-FR-NVR-WMCH6	LINEAR COLOR CHANGING LED, WALL GRAZING LIGHT	COLOR KINETICS, INSIGHT MEDLEY	FROSTED LENS				•	S	3.25"	48"	3.25"	3, 4, 7, 9, 10					
W2	X		RGBW	60	120	INSIGHT	SSL-UD-MO-RGB40-60-RGB40-60-WM-120-DMX-TBL	CYLINDER LED WALL SCONCE, COLOR CHANGING UP/DOWN	LIGMAN UJ3, LITON WD2340	CLEAR LENS		•			WM @ 12'-0"	5"		16"	3, 8, 9					
W3	X		RGBW	30	120	INSIGHT	SSL-DN-MO-RGB40-60-WM-120-DMX-TBL	CYLINDER LED WALL SCONCE, COLOR CHANGING DOWN	LIGMAN UJ3, LITON WD2340	CLEAR LENS		•			WM @ 8'	5"		16"	3, 8, 9					
X1	X		RED	1	120	LITHONIA	LQM-S-W-3-R-120/277-EL-N-M6	LED EXIT SIGN WITH RED LETTERS AND INTEGRALL BATTERY	COMPASS, EXITRONIX	RED LETTERS WHITE FACE	•				CS	9"	13"	2.375"	12					
X1E	X		RED	5	120	LITHONIA	LHQM LED R M6	LED EXIT SIGN WITH INTEGRAL EMERGENCY LIGHTS	COMPASS, EXITRONIX	RED LETTERS WHITE FACE	•				CS	19.25"	8"	3"	12					
X3	X		RED	3	120	LITHONIA	WLTE-W-1-R-EL-TP	LED EXIT SIGN, ET LOCATION LISTED, THERMOPLASTIC HOUSING AND COVER.	COMPASS, EXITRONIX	RED LETTERS WHITE FACE	•				WM	8.5"	12.5"	2.5"	12					

LUMINAIRE SCHEDULE NOTES

1. FIXTURE TO HAVE MULTIPLE HEADS AND SOME MOUNTED AT DIFFERENT HEIGHTS. REFER TO DETAIL 7 ON SHEET E-501 FOR ADDITIONAL INFORMATION.
2. POLE TO HAVE INTEGRAL GFCl TYPE RECEPTACLE WITH LOCKABLE IN-USE COVER.
3. RGBW FIXTURE TO BE DMX CONTROLLED. SEE CONTROL DETAILS FOR ADDITIONAL INFORMATION. PROVIDE ALL COMPONENTS AND ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
4. FIXTURE TO BE MOUNTED TO STEEL SUPPORT STRUCTURE WITH A MOUNTING SUPPORT THAT CAN ADJUST AIMING ANGLE AT LEAST 180 DEGREES. FIXTURE SHALL BE AIMED TO GRAZE THE CANOPY STRUCTURE. VERIFY AIMING OF FIXTURE AT NIGHT WITH ARCHITECT AND ENGINEER PRESENT. PROVIDE ALL COMPONENTS REQUIRED FOR INSTALLATION.
5. FIXTURE TO BE PROVIDED WITH SWIVEL BASE MOUNT.
6. COORDINATE FIXTURE FINISH WITH ARCHITECT PRIOR TO ORDERING.
7. LINEAR RGBW FIXTURE TO RUN CONTINUOUSLY BETWEEN STRUCTURAL BEAMS AS SHOWN ON PLANS. PROVIDE ALL INTERCONNECTING CABLING BETWEEN FIXTURES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
8. FIXTURE MOUNTED TO STEEL SUPPORT COLUMN. COORDINATE MOUNTING BOX FOR FIXTURE AND MOUNTING REQUIREMENTS TO STEEL. PROVIDE ALL COMPONENTS AND WIRING NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
9. ALL RGBW FIXTURES TO BE CONTROLLED FROM SINGLE CONTROL STATION. REFER TO FLOOR PLANS FOR LOCATION. REFER TO DETAIL E ON SHEET E-503 FOR ADDITIONAL INFORMATION. PROVIDE ALL COMPONENTS, WIRING AND ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
10. FIXTURE TO HAVE 10 X 30 DEGREE OPTICS FOR GRAZING CANOPY STRUCTURE.
11. WALL PACK TO REPLACE OLD IN SAME LOCATION IN MOST INSTANCES. SEE FLOOR PLAN TO VERIFY MOUNTING HEIGHT OF FIXTURES PROVIDED FOR NEW LOCATIONS.
12. EXIT AND EMERGENCY LIGHTS TO BE WIRED AHEAD OF ALL LOCAL AND CENTRAL LIGHTING CONTROLS.
13. REMOTE HEAD FIXTURE TO BE FED FROM INTERIOR EM1 FIXTURE. COORDINATE MOUNTING HEIGHT AND FINISH WITH ARCHITECT.
14. EMERGENCY LIGHTING UNIT TO HAVE CAPACITY TO POWER TWIN REMOTE HEADS.



10 S Patterson Blvd
Dayton, OH 45402
T 937.224.4474



Sycamore Trails Aquatic Center

400 S. Heincke Road
Miamisburg, 45342

ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By

EWH

Checked By

DED

Client

Number

948

Project

Number

7383

DRAWING TITLE

MOTOR AND LIGHTING SCHEDULES

SHEET NO.

E-601



PROJECT NO. 2024-07037.01

ISSUED FOR CONSTRUCTION

3/14/2025 10:08:40 AM

Panel: RPD1

Location: CONCESSIONS FOOD PREP 1005

Supply Panel: RPD

Voltage: 208Y/120V-3PH-4W

Mounting: Surface

Enclosure: Type 1

Bus Ampacity: 100

A.I.C. Rating: EXISTING

Mains Type: MLO

Mains Rating: 100 A

Panel: RPD1										(EXISTING)																															
Location: CONCESSIONS FOOD PREP 1005														Mounting: Surface														A.I.C. Rating: EXISTING													
Supply Panel: RPD														Enclosure: Type 1														Mains Type: MLO													
Voltage: 208Y/120V-3PH-4W														Bus Ampacity: 100														Mains Rating: 100 A													
CKT	Circuit Description		Trip	Poles	A		B		C		Poles	Trip	Circuit Description		CKT																										
1	SPARE		30 A	2	0 kVA	0.516...					1	20 A	**[GF] REFRIGERATOR		2																										
3	--		--	--			0 kVA	0.54...			1	20 A	***RM 1006 - R		4																										
5	**RM 1007, 1006 - R		20 A	1					0.54...	0.72...	1	20 A	***RM 1004, 1005 - R		6																										
7	***PRETZEL WARMER		20 A	1	1.476...	1.476...					1	20 A	***PRETZEL WARMER		8																										
9	**PIZZA WARMER		20 A	1			1.476...	1.124...			1	20 A	***ROLLER/ WARMER		10																										
11	***STORAGE 1007		20 A	1					0.669...	0.696...	1	20 A	**EF-1		12																										
13	***CHEESE WARMER		20 A	1	0.804...	0.18...					1	20 A	***[GF] REFRIGERATOR		14																										
15	Space		--	1			--	0 kVA			2	30 A	Space		16																										
17	Space		--	1					--	0 kVA	--	--	--		18																										
19	Space		--	1	--	--					1	--	Space		20																										
21	Space		--	1			--	--			1	--	Space		22																										
23	Space		--	1					--	--	1	--	Space		24																										
Total Load:					4.42 kVA		3.05 kVA		2.57 kVA																																
Load Classification				Connected Load		Demand Factor		Estimated Demand		Panel Totals																															
Kitchen Equipment - Non-Dwelling...				7.388 kVA		65.00%		4.802 kVA		Total Conn. Load:				9.824 kVA																											
Motor				0.696 kVA		125.00%		0.87 kVA		Total Est. Demand:				7.452 kVA																											
Receptacle				2.16 kVA		100.00%		2.16 kVA		Total Conn.: 27 A																															
										Total Est. Demand:				21 A																											
Notes: ** = NEW BREAKER, NEW BREAKER SHALL MATCH EXISTING PANEL MANUFACTURER AND AIC RATING.																																									
*** = NEW CIRCUIT ON EXISTING BREAKER.																																									
[GF] = GROUND FAULT TYPE BREAKER.																																									
TOTAL CONNECTED										ESTIMATED DEMAND																															
9.82 kVA										7.45 kVA (21 A)																															

Panel: RPD2

(NEW)

Location: CONCESSIONS FOOD PREP 1005

Mounting: Surface

A.I.C. Rating: 10.000

Supply From: RPB

Enclosure: Type 1

Mains Type: MCB

Voltage: 208Y/120V-3PH-4W

Bus Ampacity: 100

Mains Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	[GF] REFRIGERATOR	20 A	1	0.516... 0.54...			1	20 A	RM 1004 - R	2
3	ICE MAKER	20 A	1		1.824... 0 kVA		1	20 A	Spare	4
5	[GF] REFRIGERATOR	20 A	1			0.516... 1.02...	1	20 A	[GF] FREEZER	6
7	RM 1004 - R	20 A	1	0.72... 0.72...			1	20 A	SLUSHIE MACHINE	8
9	Spare	20 A	1		0 kVA 0 kVA		1	20 A	Spare	10
11	[GF] MICROWAVE	20 A	1			1.452... 1.452...	1	20 A	[GF] MICROWAVE	12
13	ICE CREAM FREEZ.	20 A	1	1.02... 2.5 kVA			2	35 A	EUH-1	14
15	[GF] ICE CREAM MACH	20 A	2		1.65... 2.5 kVA		--	--	--	16
17	--	--	--			1.65... 0 kVA	1	20 A	Spare	18
19	[GF] PIZZA OVEN	20 A	2	1.6 kVA 0 kVA			1	20 A	Spare	20
21	--	--	--		1.6 kVA 1.6 kVA		2	20 A	[GF] PIZZA OVEN	22
23	Space	--	1			-- 1.6 kVA	--	--	--	24
25	Space	--	1	-- --			1	--	Space	26
27	Space	--	1		-- --		1	--	Space	28
29	Space	--	1			-- --	1	--	Space	30
Total Load:				7.23 kVA	8.90 kVA	7.69 kVA				
Load Classification				Connected Load	Demand Factor	Estimated Demand	Panel Totals			
Kitchen Equipment - Non-Dwelling...				18.22 kVA	65.00%	11.843 kVA				
Motor				5 kVA	125.00%	6.25 kVA	Total Conn. Load: 23.53 kVA			
Receptacle				1.26 kVA	100.00%	1.26 kVA	Total Est. Demand: 18.411 kVA			
							Total Conn.: 65 A			
							Total Est. Demand: 51 A			
Notes: [GF] = GROUND FAULT TYPE BREAKER.										
TOTAL CONNECTED							ESTIMATED DEMAND			
23.53 kVA							18.41 kVA (51 A)			

Panel: RPD

Location: CONCESSIONS FOOD PREP 1005
Supply From: MDP
Voltage: 208Y/120V-3PH-4W

Mounting: Surface
Enclosure: Type 1
Bus Ampacity: 225

A.I.C. Rating: EXISTING
Mains Type: MCB
Mains Rating: 150 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	*** HAND DRYER 1002	20 A	1	1.2 kVA	1.2 kVA					1	20 A	***HAND DRYER 1002	2
3	*** HAND DRYER 1011	20 A	1			1.2 kVA	0 kVA			1	20 A	Spare	4
5	Spare	15 A	2					0 kVA	0 kVA	1	20 A	Spare	6
7		--	--	0 kVA	2.704...					2	40 A	** HPCU-6	8
9	RPD1 [EX]	100 A	3			4.417...	2.704...			--	--		10
11	--	--	--	2.568...	2.704...			3.05...	2.704...	2	40 A	** HPCU-8	12
13	--	--	--							--	--		14
15	SPARE	20 A	1			0 kVA	2.704...			2	40 A	** HPCU-7	16
17	AREA REC [EX]	20 A	1					1 kVA	2.704...	1	20 A		18
19	HAND DRYER RR [EX]	20 A	1	1.2 kVA	0.54...					1	20 A	***[GF] DIGITAL...	20
21	HAND DRYER RR [EX]	20 A	1			1.2 kVA							22
23	Spare	30 A	2					0 kVA	0 kVA	1	20 A	Spare	24
25	--	--	--	0 kVA	0.54...					1	20 A	PHONE BOARD	26
27	SPARE	30 A	2			0 kVA	0.5 kVA			1	20 A	R.R. REC.	28
29	--	--	--					0 kVA	0.5 kVA	1	20 A	R.R. REC.	30
31	HEAT RR 1011 [EX]	30 A	2	2 kVA	2 kVA					2	30 A	HEAT RR 1012 [EX]	32
33	--	--	--			2 kVA	2 kVA			--	--		34
35	Spare	30 A	2					0 kVA	0.5 kVA	1	20 A	HVAC MECH.	36
37	--	--	--	0 kVA	0.5 kVA					1	20 A	EXHAUST FAN	38
39	SPARE	40 A	2			0 kVA	0.5 kVA			1	20 A	R.R. CONTROLS	40
41	--	--	--					0 kVA	0.5 kVA	1	20 A	BOILER MECH.	42
Total Load:				17.14 kVA		16.60 kVA		10.64 kVA					
Load Classification				Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Kitchen Equipment - Non-Dwelling...				7.388 kVA		65.00%		4.802 kVA					
Motor				16.92 kVA		107.99%		18.272 kVA		Total Conn. Load: 44.293 kVA			
Receptacle				8.7 kVA		100.00%		8.7 kVA		Total Est. Demand: 43.45 kVA			
Existing Load				4.54 kVA		100.00%		4.54 kVA		Total Conn.: 123 A			
Resistive Heat				8 kVA		100.00%		8 kVA		Total Est. Demand: 121 A			
Notes: ** = NEW BREAKER, NEW BREAKER SHALL MATCH EXISTING PANEL MANUFACTURER AND AIC RATING. *** = NEW CIRCUIT ON EXISTING BREAKER. [GF] = GROUND FAULT TYPE BREAKER.													
TOTAL CONNECTED										ESTIMATED DEMAND			
				44.29 kVA						43.45 kVA (121 A)			

Panel: UP1

Location: EXIST. WATER 2003

Supply From: MDP

Voltage: 208/120V-1PH-3W

Mounting: Surface

Enclosure: Type 1

Bus Ampacity: 60

A.I.C. Rating: EXISTING

Mains Type: MLO

Mains Rating: 60 A

(EXISTING)

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	TURF PMP CNTRL [EX]	20 A	1	1 kVA	1 kVA			2	20 A	HINKLE POLE LTG [EX]	2
3	WATER HEATER [EX]	20 A	1			0.5 kVA	1 kVA	--	--	--	4
5	Space	--	1	--	0.2 kVA			1	20 A	PHOTOCELL [EX]	6
7	Space	--	1	--	--	--	--	1	--	Space	8
9	Space	--	1	--	--			1	--	Space	10
11	Space	--	1	--	--	--	--	1	--	Space	12
13	Space	--	1	--	--			1	--	Space	14
15	Space	--	1	--	--	--	--	1	--	Space	16
17	Space	--	1	--	--			1	--	Space	18
19	Space	--	1	--	--	--	--	1	--	Space	20
21	Space	--	1	--	--			1	--	Space	22
23	Space	--	1	--	--	--	--	1	--	Space	24
Total Load:				2.20 kVA		1.50 kVA					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Existing Load		3.7 kVA		100.00%		3.7 kVA					
								Total Conn. Load:		3.7 kVA	
								Total Est. Demand:		3.7 kVA	
								Total Conn.:		18 A	
								Total Est. Demand:		18 A	
Notes: PANEL IS SHOWN FOR REFERENCE ONLY. NO NEW LOADS.											
TOTAL CONNECTED								ESTIMATED DEMAND			
3.7 kVA								3.7 kVA (18 A)			

Panel: LPB

Location: EXIST. ELEC. 1032

Supply From: RPB

Voltage: 208Y/120V-3PH-4W

Mounting: Surface

Enclosure: Type 1

Bus Ampacity: 225

A.I.C. Rating: EXISTING

Mains Type: MCB

Mains Rating: 150 A

ctrl zone

CK T

Circuit Description

Trip

Poles

A

B

C

Poles

Trip

Circuit Description

CK T

ctrl zone

X

1

EXT LTG. MENS

20 A

1

0.216...

0 kVA

1

20 A

BATHHOUSE LTG. [EX]

2

X

X

3

EXT LTG WOMENS

20 A

1

0.264...

1.2 kVA

2

20 A

*** HAND DRYER 1020

4

5

Spare

20 A

1

0 kVA

1.2 kVA

2

20 A

STREET LTG. [EX]

6

Z

7

***[GF] POLE REC. N.

20 A

1

0.72 kVA

1.2 kVA

</

Panel: RPP

Location:
Supply From: MDP
Voltage: 208Y/120V/3PH-4W

Mounting: Surface
Enclosure: Type 1
Bus Ampacity: 200

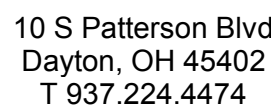
A.I.C. Rating: 22,000
Mains Type: MLO
Mains Rating: 200 A

(NEW)

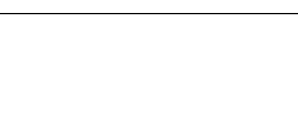
CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	[GF] POOL HEATER	20 A	1	1.8 kVA	0.36...					1	20 A	FILTER CNTRL PNL	2
3	[GF] POOL HEATER	20 A	1			1.8 kVA	0.36...			1	20 A	FILTER CNTRL PNL	4
5	[GF] POOL HEATER	20 A	1					1.8 kVA	1.8 kVA	1	20 A	UV SYSTEM LAP	6
7	[GF] POOL HEATER	20 A	1	1.8 kVA	1.2 kVA					1	20 A	UV SYSTEM TEACHING	8
9	[GF] POOL HEATER	20 A	1			1.8 kVA	1.2 kVA			1	20 A	UV SYSTEM WADING	10
11	[GF] POOL HEATER	20 A	1					1.8 kVA	1.8 kVA	1	20 A	UV SYSTEM LEISURE	12
13	[GF] POOL HEATER	20 A	1	1.8 kVA	1.8 kVA					1	20 A	UV SYSTEM SPRAY	14
15	[GF] POOL HEATER	20 A	1			0.84...	1.44...			1	20 A	[GF] CHEMICAL CNTRL	16
17	[GF] POOL HEATER	20 A	1					0.84...	1.44...	1	20 A	[GF] CHEMICAL CNTRL	18
19	[GF] POOL HEATER	20 A	1	0.6 kVA	1.44...					1	20 A	[GF] CHEMICAL CNTRL	20
21	[GF] POOL HEATER	20 A	1			0.84...	1.44...			1	20 A	[GF] CHEMICAL CNTRL	22
23	[GF] POOL HEATER	20 A	1					0.84...	1.44...	1	20 A	[GF] CHEMICAL CNTRL	24
25	[GF] POOL HEATER	20 A	1	0.6 kVA	0.9 kVA					1	20 A	RECEP. 2001, 2006	26
27	[GF] POOL HEATER	20 A	1			0.6 kVA	1.08...			1	20 A	RECEP. 2006	28
29	WATER LEVEL CNTRL	20 A	1					1.8 kVA	0.264...	1	20 A	EF-2	30
31	WATER LEVEL CNTRL	20 A	1	1.2 kVA	0.208...					2	20 A	GFUH-1	32
33	Spare	20 A	1			0 kVA	0.208...			--	--	--	34
35	Spare	20 A	1					0 kVA	0 kVA	1	20 A	Spare	36
37	Spare	20 A	1	0 kVA	0 kVA					1	20 A	Spare	38
39	Spare	20 A	1			0 kVA	0 kVA			1	20 A	Spare	40
41	Spare	20 A	1					0 kVA	0 kVA	1	20 A	Spare	42
Total Load:				13.50 kVA		11.38 kVA		13.77 kVA					
Load Classification				Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Motor				18.309 kVA		103.18%		18.89 kVA					
Receptacle				20.339 kVA		74.58%		15.169 kVA					
										Total Conn. Load:			
										38.641 kVA			
										Total Est. Demand:			
										34.054 kVA			
										Total Conn.:			
										107 A			
										Total Est. Demand:			
										95 A			

Notes: [GF] = GROUND FAULT TYPE BREAKER.

TOTAL CONNECTED								ESTIMATED DEMAND			
38.64 kVA								34.05 kVA (95 A)			



**Sycamore Trails Aquatic
Center**
400 S. Heincke Road
Miamisburg, 45342

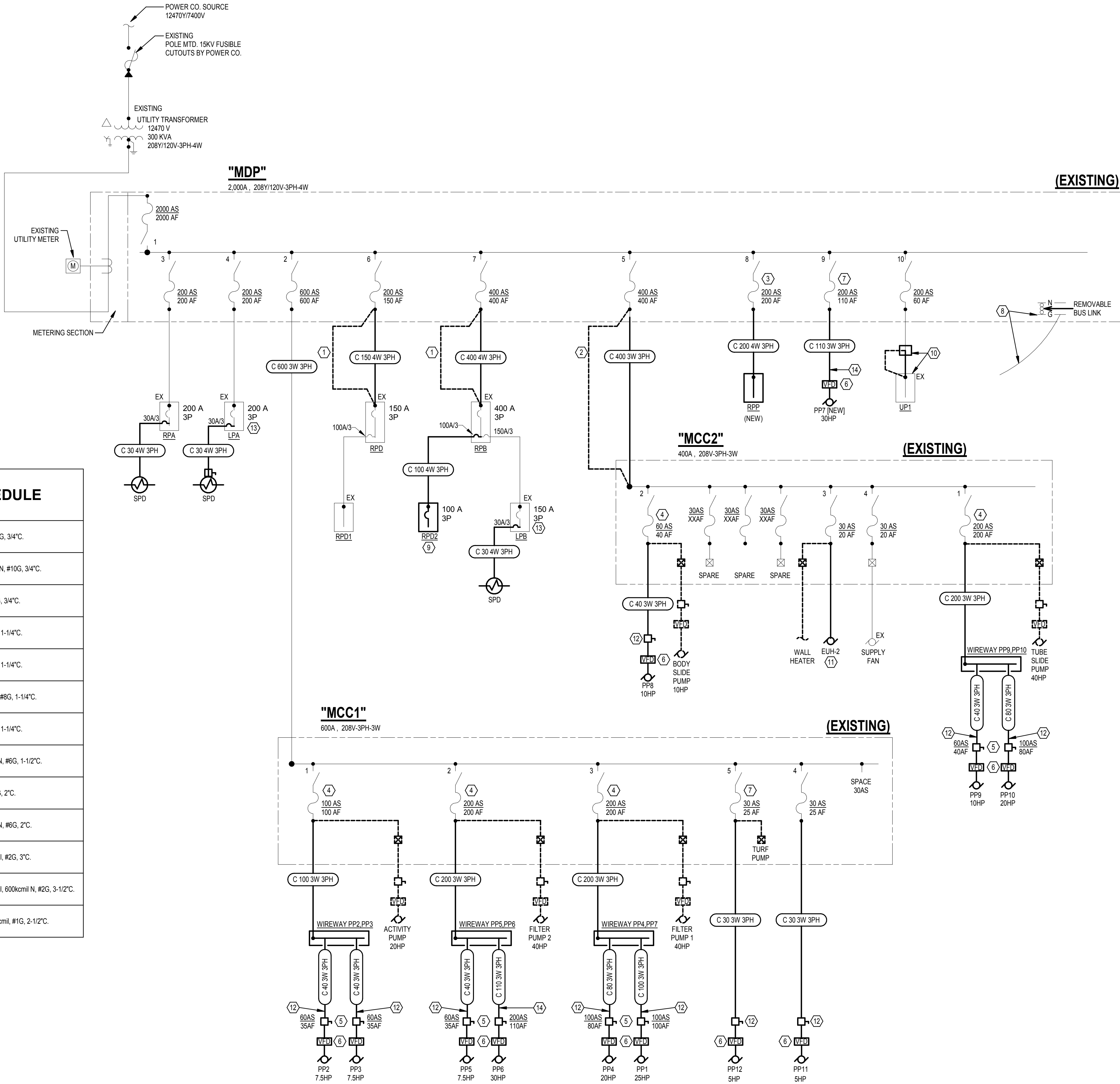
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ELECTRICAL PANEL SCHEDULES

E-603

FEEDER SCHEDULE	
C 30 3W 3PH	3#10, #10G, 3/4"C.
C 30 4W 3PH	3#10, #10N, #10G, 3/4"C.
C 40 3W 3PH	3#8, #10G, 3/4"C.
C 80 3W 3PH	3#2, #8G, 1-1/4"C.
C 100 3W 3PH	3#2, #8G, 1-1/4"C.
C 100 4W 3PH	3#2, #2N, #8G, 1-1/4"C.
C 110 3W 3PH	3#1, #6G, 1-1/4"C.
C 150 4W 3PH	3-1/0, 1/0N, #6G, 1-1/2"C.
C 200 3W 3PH	3-3/0, #6G, 2"C.
C 200 4W 3PH	3-3/0, 3/0N, #6G, 2"C.
C 400 3W 3PH	3-600kcmil, #2G, 3"C.
C 400 4W 3PH	3-600kcmil, 600kcmil N, #2G, 3-1/2"C.
C 600 3W 3PH	(2)3-350kcmil, #1G, 2-1/2"C.

1 SINGLE LINE DIAGRAM
SCALE: NONE



PLAN NOTES

- EXISTING PANEL FEEDER TO BE REMOVED AND REPLACED WITH NEW TO ACCOMMODATE POOL LAYOUT. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.
- FEEDER FOR MCC2 FOR THE SLIDE PUMP HOUSE TO BE REMOVED AND REPLACED WITH NEW TO ACCOMMODATE NEW POOL LAYOUT. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION.
- NEW PANEL FED FROM EXISTING SPARE. PROVIDE NEW FUSE IN EXISTING SWITCH.
- REMOVE OLD PUMP. VFD AND DISCONNECT. NEW PUMPS TO BE FED FROM EXISTING SWITCH. PROVIDE NEW FUSE IN EXISTING SWITCH AS SHOWN.
- NEW FUSED DISCONNECT TO FEED NEW PUMPS.
- VFDs PROVIDED BY POOL CONTRACTOR. PROVIDE ALL INTERCONNECTING WIRING BETWEEN DISCONNECT, VFDs AND PUMPS.
- NEW PUMP FED FROM EXISTING SPARE. PROVIDE NEW FUSE IN EXISTING SWITCH.
- EXISTING MAIN BUILDING GROUND BAR. MAINTAIN EXISTING GROUNDING SYSTEM. TIE NEW STEEL STRUCTURE TO EXISTING GROUND BAR.
- NEW PANEL FED FROM NEW BREAKER IN EXISTING PANEL.
- UNLABELED PANEL TO BE RELOCATED TO ACCOMMODATE NEW WORK. VERIFY FEEDER ORIGIN AND SIZE PRIOR TO REMOVAL. PROVIDE JUNCTION BOX AND EXTEND CIRCUITS AND ASSOCIATED CONDUIT AND WIRE TO NEW LOCATION. RETERMINATE ALL BRANCH CIRCUITS TO PANEL AT NEW LOCATION.
- SEE MOTOR STARTER SCHEDULE FOR FEEDER SIZE.
- PROVIDE GROUND FAULT PROTECTION PANEL FOR PUMP CIRCUIT PER NEC 680. PROTECTION PANEL BASIS OF DESIGN IS BENDER - LIFEGUARD PROTECTION PANEL. COORDINATE MOUNTING IN FIELD. PANEL SHOULD BE PROVIDED WITH NEMA 4X POLYCARBONATE ENCLOSURE.
- EXISTING SCHNEIDER ELECTRIC POWERLINK PANEL CONTROL UNIT TO BE VERIFIED IF OPERATIONAL. IF NOT OPERATIONAL THEN A NEW HEAD END UNIT SHALL BE PROVIDED TO ALLOW FOR LIGHTING CONTROLS PER DOCUMENTS.
- PROVIDE GROUND FAULT PROTECTION PANEL FOR PUMP CIRCUIT PER NEC 680. COORDINATE MOUNTING IN FIELD. PANEL SHOULD BE PROVIDED WITH NEMA 4X POLYCARBONATE ENCLOSURE.

FAULT CURRENT SCHEDULE		
DEVICE	FAULT AT DEVICE	AIC RATING
UTILITY TRANSFORMER	41,667	
MDP	34,838	EXISTING
LPA	22,581	EXISTING
MCC1	29,353	EXISTING
WIREWAY PP2,PP3	8,275	N/A
PP2 DISC.	4,354	10,000
PP3 DISC.	4,377	10,000
WIREWAY PP4,PP7	11,056	N/A
PP4 DISC.	8,386	10,000
PP11	1,111	10,000
PP12	1,092	10,000
PP1 DISC.	8,784	10,000
WIREWAY PP5,PP6	11,412	N/A
PP5 DISC.	4,921	10,000
PP6 DISC.	9,013	10,000
MCC2	6,779	EXISTING
WIREWAY PP9,PP10	6,142	N/A
PP9 DISC.	3,609	10,000
PP8 ECB	3,218	10,000
PP10 DISC.	5,249	10,000
RPA	21,836	EXISTING
RPB	6,514	EXISTING
LPB	6,038	EXISTING
RPD	2,433	EXISTING
RPD2	3,265	10,000
RPP	21,529	22,000

ISSUANCES

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

Drawn By

EWB

Checked By

DED

Client

Number

948

Project

Number

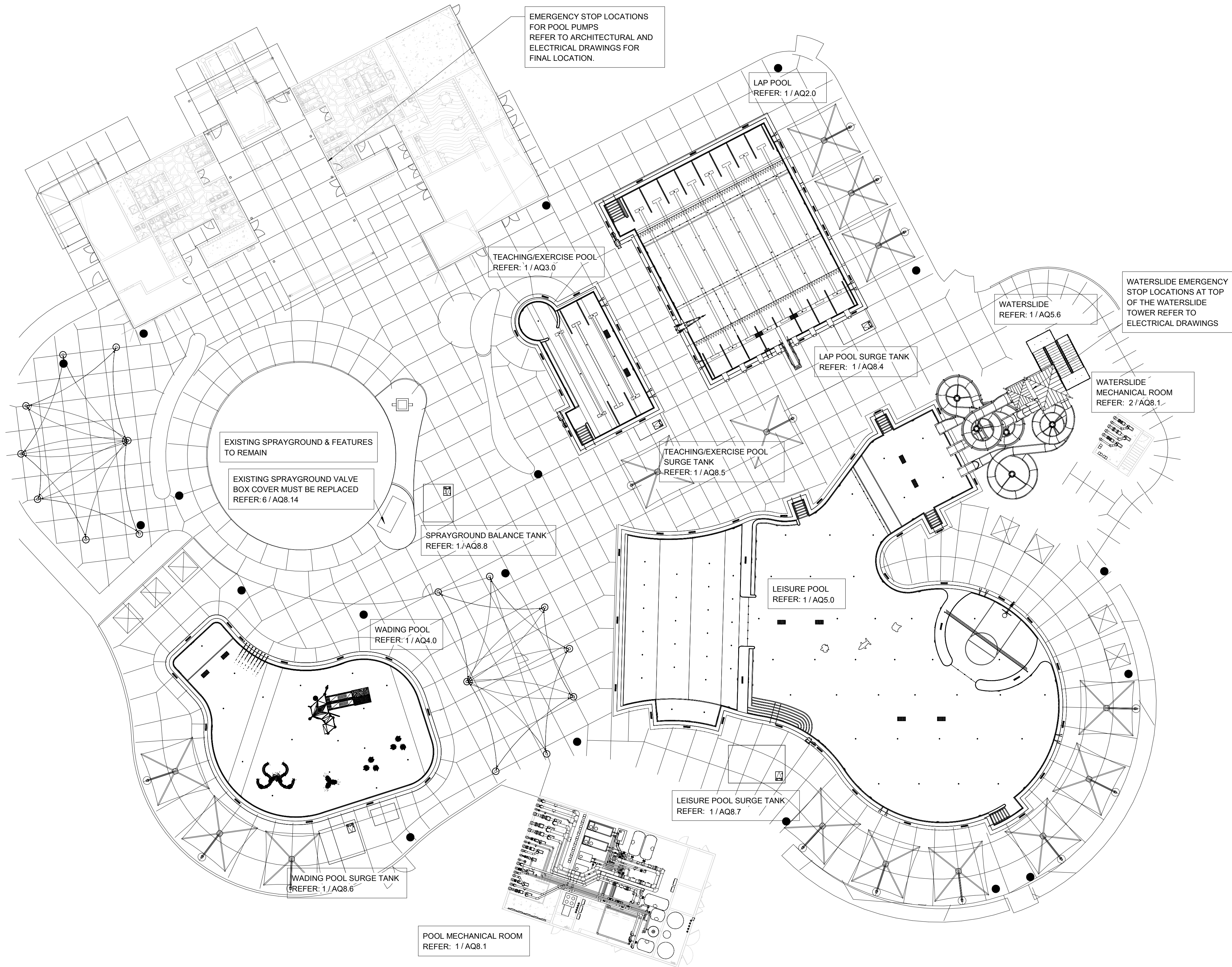
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DRAWING TITLE

ELECTRICAL SINGLE
LINE

SHEET NO.

E-701



DESIGN DATA

	UNITS	LAP POOL	TEACHING/ EXCERCISE POOL	WADING POOL	LEISURE POOL	EXISTING SPRAYGROUND
LENGTH	FT.	75'-0 3/4"	48'-0"	VARIES	VARIES	VARIES
WIDTH	FT.	60'-0"	24'-1"	VARIES	VARIES	VARIES
WATER SURFACE AREA	SQ. FT	4,571	1,214	3,592	12,891	3,848
PERIMETER	FT.	285	166	269	638	251
VOLUME	GALLONS	294,012	37,492	18,089	278,168	N/A
RECIRCULATION SYSTEM						
POOL TURNOVER RATE	HOURS	5.4	2.9	0.5	2.4	0.5
RECIRCULATION RATE	GPM	900	215	605	1,900	150
SURGE CAPACITY	GALLONS	5,168	1,439	3,620	12,933	4,308
SEWER CAPACITY	GPM	REFER TO PLUMBING	REFER TO PLUMBING	REFER TO PLUMBING	REFER TO PLUMBING	REFER TO PLUMBING
BATHER LOAD	PERSONS	204	48	239	859	257

DRAWING INDEX

SHEET	DESCRIPTION
AQ0.0	POOL REFERENCE PLAN
AQ1.0	LAP POOL STRUCTURAL PLAN
AQ1.1	WADING POOL STRUCTURAL PLAN
AQ1.2	POOL NOTES & TYPICAL DETAILS
AQ1.3	TYPICAL DETAILS
AQ1.4	POOL STRUCTURAL SECTIONS
AQ1.5	POOL STRUCTURAL SECTIONS
AQ2.0	LAP POOL PLAN
AQ2.1	LAP POOL SECTIONS
AQ2.2	LAP POOL SECTIONS & STAIR PLAN
AQ2.3	LAP POOL DETAILS
AQ2.4	LAP POOL DETAILS
AQ2.5	LAP POOL DETAILS
AQ3.0	TEACHING / EXERCISE POOL PLANS & SECTIONS
AQ3.1	TEACHING / EXERCISE POOL DETAILS
AQ3.2	TEACHING / EXERCISE POOL DETAILS
AQ4.0	WADING POOL PLAN & SECTIONS
AQ4.1	WADING POOL DETAILS
AQ4.2	WADING POOL DETAILS
AQ5.0	LEISURE POOL PLAN
AQ5.1	LEISURE POOL SECTIONS
AQ5.2	LEISURE POOL DETAILS
AQ5.3	LEISURE POOL DETAILS
AQ5.4	LEISURE POOL DETAILS
AQ5.5	LEISURE POOL DETAILS
AQ5.6	WATERSLIDE PLAN, ELEVATION & DETAILS
AQ6.0	POOL STAKING PLAN
AQ7.0	POOL PIPING NOTES & SCHEDULES
AQ7.1	POOL SUCTION PIPING PLAN
AQ7.2	POOL RETURN PIPING PLAN
AQ7.3	POOL FEATURE RETURN PIPING PLANS
AQ8.0	POOL MECHANICAL NOTES & SCHEDULES
AQ8.1	POOL MECHANICAL ROOM PLANS
AQ8.2	POOL MECHANICAL ROOM SECTIONS
AQ8.3	POOL MECHANICAL PIPING ISOMETRICS
AQ8.4	LAP POOL SURGE TANK PLANS & SECTIONS
AQ8.5	TEACHING / EXERCISE POOL SURGE TANK PLANS & SECTIONS
AQ8.6	WADING POOL SURGE TANK PLANS & SECTIONS
AQ8.7	LEISURE POOL SURGE TANK PLANS & SECTIONS
AQ8.8	SPRAYGROUND BALANCE TANK PLAN & SECTIONS
AQ8.9	POOL MECHANICAL DETAILS
AQ8.10	POOL MECHANICAL DETAILS
AQ8.11	POOL MECHANICAL DETAILS
AQ8.12	POOL MECHANICAL DETAILS
AQ8.13	POOL MECHANICAL DETAILS
AQ8.14	POOL MECHANICAL DETAILS
AQ9.0	LAP POOL SYSTEMS SCHEMATIC
AQ9.1	TEACHING / EXERCISE POOL SYSTEMS SCHEMATIC
AQ9.2	WADING POOL SYSTEMS SCHEMATIC
AQ9.3	LEISURE POOL SYSTEMS SCHEMATIC
AQ9.4	SPRAYGROUND SYSTEMS SCHEMATIC

CONTRACTOR SUPPLIED POOL CHEMICALS

DESCRIPTION	AMOUNT
SODIUM HYPOCHLORITE	FULL BULK TANK(S): TWO (2) 500 & ONE (1) 200 GAL
MURIATIC ACID	FULL CARBOY(S) + 90 GAL
SODIUM BICARBONATE	200 LBS
CALCIUM CARBONATE	100 LBS
SODIUM THIOSULFATE	50 LBS

GENERAL POOL NOTES

1. DENOTES WATER DEPTH FROM WATER LEVEL.
2. POOL FINISH MUST BE A PROPRIETARY AGGREGATE PLASTER WITH A 6" CERAMIC TILE BAND WITH TILE DECK MARKINGS.
3. ALL POOL FLOOR AREAS 18" AND SHALLOWER AND ALL STAIR TREADS MUST HAVE A SLIP RESISTANT FINISH.
4. TYPICAL POOL DIMENSIONS SHOWN ARE FROM THE INSIDE FINISHED POOL WALLS & FLOOR.
5. REFER TO POOL STRUCTURAL DRAWINGS FOR ALL DIMENSIONS RELATING TO THE THICKNESS OF THE POOL SHELL.
6. THE JUNCTION BETWEEN THE POOL WALL AND THE FLOOR MUST BE COVERED WITH A MAXIMUM 6" RADIUS.
7. DEPTH MARKERS AND WARNING SIGNS ARE SHOWN IN APPROXIMATE LOCATIONS. DEPTH MARKERS AND WARNING SIGNS MUST NOT EXCEED 25'-0" SPACING APART FROM EACH OTHER AND MUST BE PLACED AT EVEN FOOT INTERVALS PER LOCAL CODE.
8. ALL PROPRIETARY NAMES MENTIONED ARE TO DESIGNATE PERFORMANCE STANDARDS. EQUIVALENT PRODUCTS MUST BE SUBMITTED FOR APPROVAL.
9. SLIP RESISTANT DECK FINISH REQUIRED. REFER TO ARCHITECT.
10. REFER TO PLUMBING FOR DECK DRAINS AND HOSE BIBBS.
11. ALL POOL DECK SURFACE WATER MUST DRAIN AWAY FROM THE POOL.
12. REFER TO ELECTRICAL FOR GFCI OUTLETS ON POOL DECK.
13. ELECTRICAL INSPECTOR MUST APPROVE INSTALLATION OF BONDING GRID FOR POOL REINFORCING AND ALL POOL EMBEDS PRIOR TO PLACEMENT OF CONCRETE.
14. NO GROUND WATER SHOULD BE ALLOWED TO RISE ABOVE ANY PORTION OF THE POOL BOTTOM DURING CONSTRUCTION.
15. LAP POOL HAS BEEN DESIGNED TO BE IN COMPLIANCE WITH THE RULES AND REGULATIONS OF USA SWIMMING (USA-S).
16. REFER TO SWIMMING POOL SPECIFICATIONS FOR RACE COURSE TOLERANCES.
17. ALL POOL REINFORCING STEEL, METAL FITTINGS, EQUIPMENT WITHIN 5'-0" OF POOL EDGE AND ANY METAL PARTS OF POOL MECHANICAL EQUIPMENT IN CONTACT WITH POOL RECIRCULATION SYSTEM MUST BE BONDED PER ARTICLE 680 OF THE NATIONAL ELECTRICAL CODE. REFER: 4 / AQ8.12
18. IT IS RECOMMENDED THAT ZONE EVALUATIONS ACCORDING TO THE AMERICAN RED CROSS OR A SIMILAR APPLICABLE LIFEGUARD AGENCY ARE CONDUCTED PRIOR TO OPERATING THE FACILITY AND REGULARLY ACCORDING TO AGENCY GUIDELINES. ZONE EVALUATIONS ARE NECESSARY TO CONFIRM APPROPRIATE LIFEGUARD PLACEMENT AND ZONE COVERAGE.
19. CONTRACTOR TO PROVIDE CHEMICAL QUANTITIES PER CONTRACTOR SUPPLIED POOL CHEMICAL SCHEDULE AFTER INITIAL WATER BALANCE IS REACHED PRIOR TO OWNER TURNOVER.
20. THE POOL(S), SURGE /BALANCE TANK(S), AND GUTTER SYSTEM(S) MUST BE TESTED FOR WATER TIGHTNESS IN ACCORDANCE TO THE HYDROSTATIC TIGHTNESS TESTING OF AN OPEN CONCRETE CONTAINMENT STRUCTURE AS REQUIRED BY THE AMERICAN CONCRETE INSTITUTE (ACI) 350.1-10 SECTION 2. REFER TO SPECIFICATIONS. REFER: 8 / AQ8.12

WATERSLIDE DEFERRED APPROVAL NOTICE

INSTALLATION OF WATERSLIDE INCLUDING FOUNDATIONS AND TOWER MUST NOT COMMENCE UNTIL DETAILED PLANS, SPECIFICATIONS AND CALCULATIONS ARE APPROVED BY THE DEPARTMENT OF AGRICULTURE & THE OHIO DEPARTMENT OF HEALTH.



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COUNSILMAN - HUNSAKER
AQUATICS FOR LIFE
ph: 314.894.1245 - www.chh2o.com



Sycamore Trails Aquatic Center

400 S. Heincke Road
Miamisburg, 45342

ISSUANCES

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	01/17/25
1	CONFORMED SET	03/14/25

Drawn By

TCH

Checked By

MJM

Client Number

948

Project Number

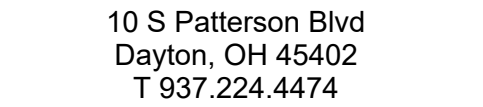
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DRAWING TITLE

POOL REFERENCE PLAN

SHEET NO.

AQ0.0



400 S Heincke Rd, Miamisburg, OH
45342

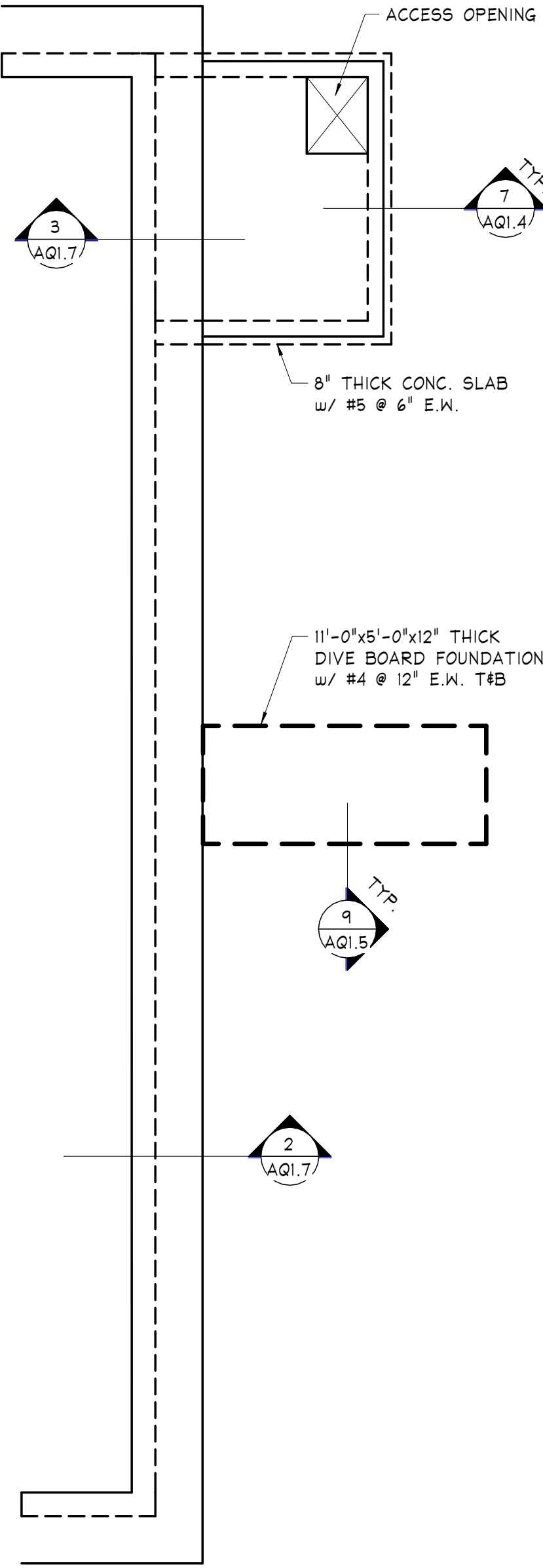
No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

[illegible]

Drawn By KLS	
Checked By TMM	
Client Number	
Project Number 24179	

SHEET NO.

AQ1.0



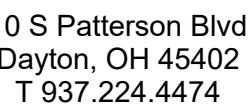
TOP SLAB PLAN

SCALE: $3/16'' = 1'-0''$

1. WATER ELEVATION OF POOLS = $+0'-0"$. SEE CIVIL DRAWINGS FOR CORRELATION TO ACTUAL SITE ELEVATION.
2. PROVIDE COMPACTED, FREE DRAINING FILL UNDER ALL POOL BOTTOM SLABS. SEE NOTE PFI ON SHEET AQI-4.
3. PROVIDE ELECTRICAL GROUNDING FOR ALL REINFORCING AND EMBEDDED ITEMS, SEE ELECTRICAL DRAWINGS.
4. SEE SWIMMING POOL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN.
5. WALLS ARE TYPICALLY SHOWN ON PLAN AT FOUNDATION LEVEL. SEE DETAILS AND COORDINATE WITH SWIMMING POOLS DRAWINGS FOR ALL WALL DETAIL ABOVE BASE SLAB.
6. ELEVATIONS ARE GIVEN RELATIVE TO POOL WATER SURFACE, U.N.O. COORDINATE WITH SWIMMING POOL DRAWINGS.
7. ALL ELEVATIONS ARE TO POOL FINISH.

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No.	Description	Date
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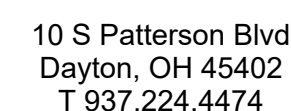
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AQ1.1



SCALE: $3/16'' = 1'-0''$

7. ALL ELEVATIONS ARE TO POOL FINISH.

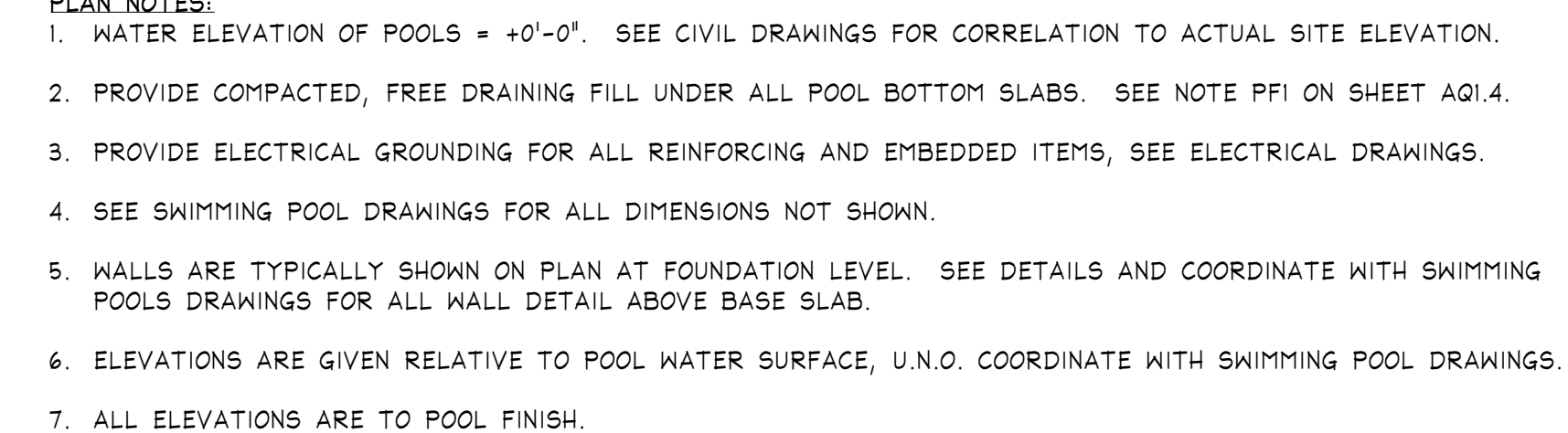


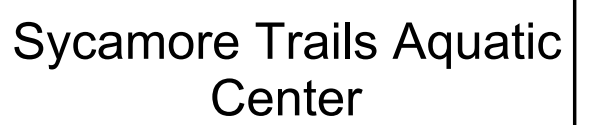
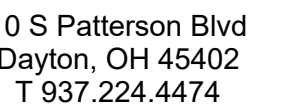
400 S Heincke Rd, Miamisburg, OH
45342

No.	Description	Date
0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

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AQ1.2





ISSUANCES

[illegible]

DRAWING TITLE

LEISURE POOL
STRUCTURAL PLAN

AQ1.3

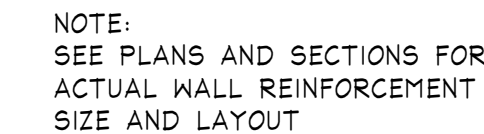


SCALE: $3/32'' = 1'-0''$

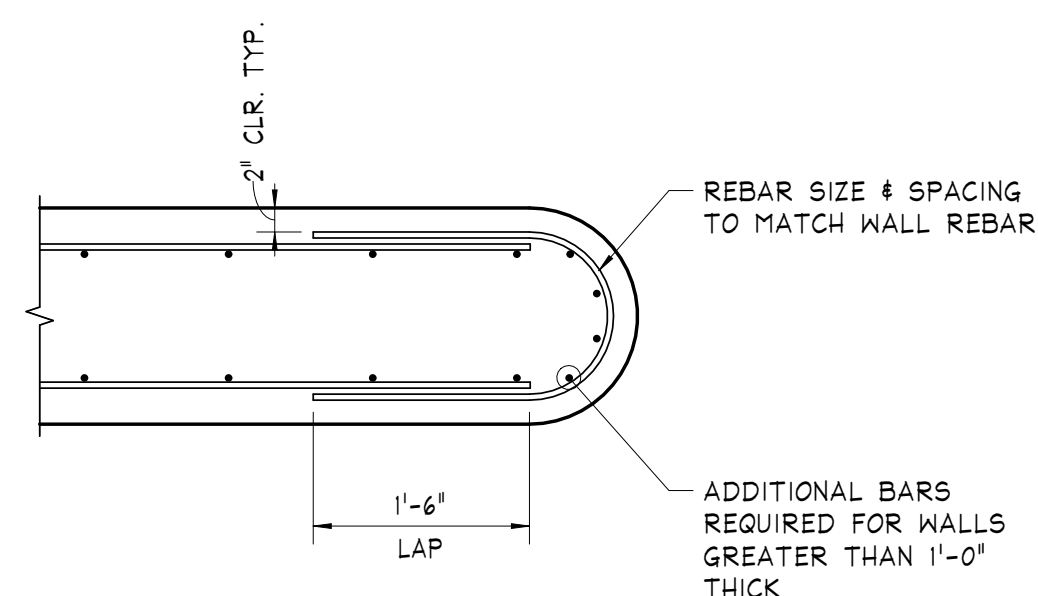
1. WATER ELEVATION OF POOLS = $+0'-0"$. SEE CIVIL DRAWINGS FOR CORRELATION TO ACTUAL SITE ELEVATION.
2. PROVIDE COMPACTED, FREE DRAINING FILL UNDER ALL POOL BOTTOM SLABS. SEE NOTE PFI ON SHEET AQI.4.
3. PROVIDE ELECTRICAL GROUNDING FOR ALL REINFORCING AND EMBEDDED ITEMS, SEE ELECTRICAL DRAWINGS.
4. SEE SWIMMING POOL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN.
5. WALLS ARE TYPICALLY SHOWN ON PLAN AT FOUNDATION LEVEL. SEE DETAILS AND COORDINATE WITH SWIMMING POOL DRAWINGS FOR ALL WALL DETAIL ABOVE BASE SLAB.
6. ELEVATIONS ARE GIVEN RELATIVE TO POOL WATER SURFACE, U.N.O. COORDINATE WITH SWIMMING POOL DRAWINGS.
7. ALL ELEVATIONS ARE TO POOL FINISH.

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TYPICAL POOL CORNER DETAIL



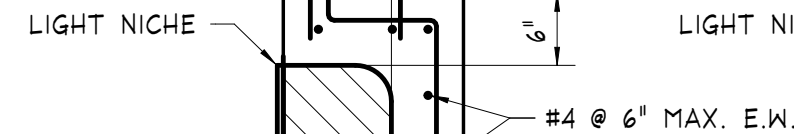
TYPICAL WALL TERMINATION DETAIL



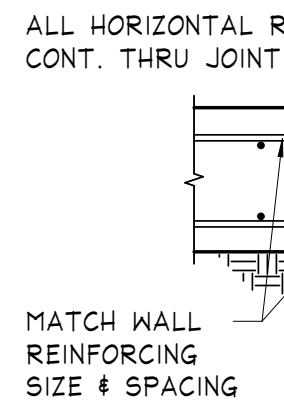
TYPICAL PIPE ENCASEMENT DETAIL



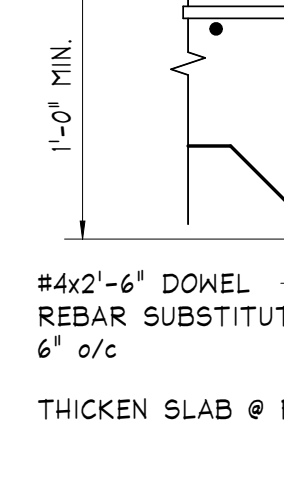
TYPICAL REINF. AT EMBEDDED ITEMS



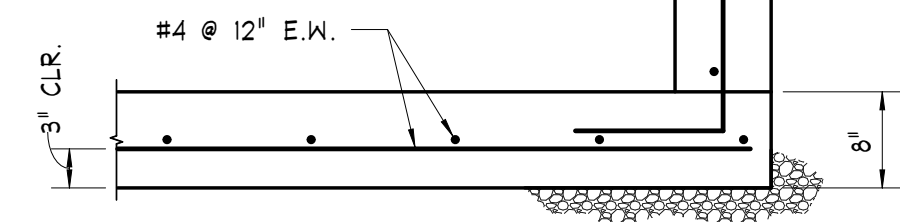
PLAN SECTION



TYP. CONCRETE WALL CONSTRUCTION JOINT



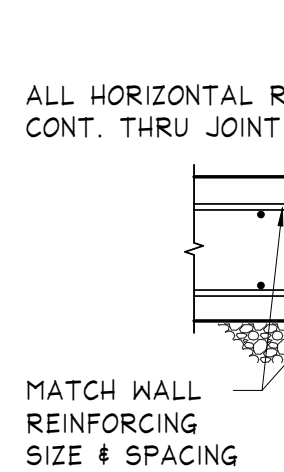
TYPICAL SLAB/WALL JOINT



TYPICAL SECTION AT VALVE PITS



OPTION 1



TYP CONCRETE WALL CONSTRUCTION JOINT

CHAMPLIN
ARCHITECTURE



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[illegible]

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Client Number	
Project Number 24179	

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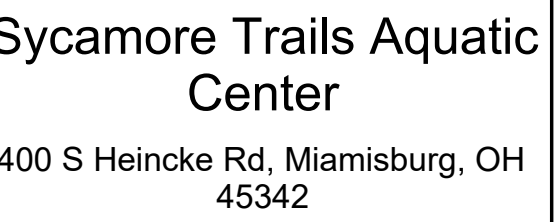
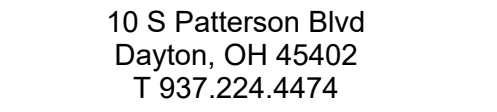
TYPICAL DETAILS

SHEET NO.

AQ1.5

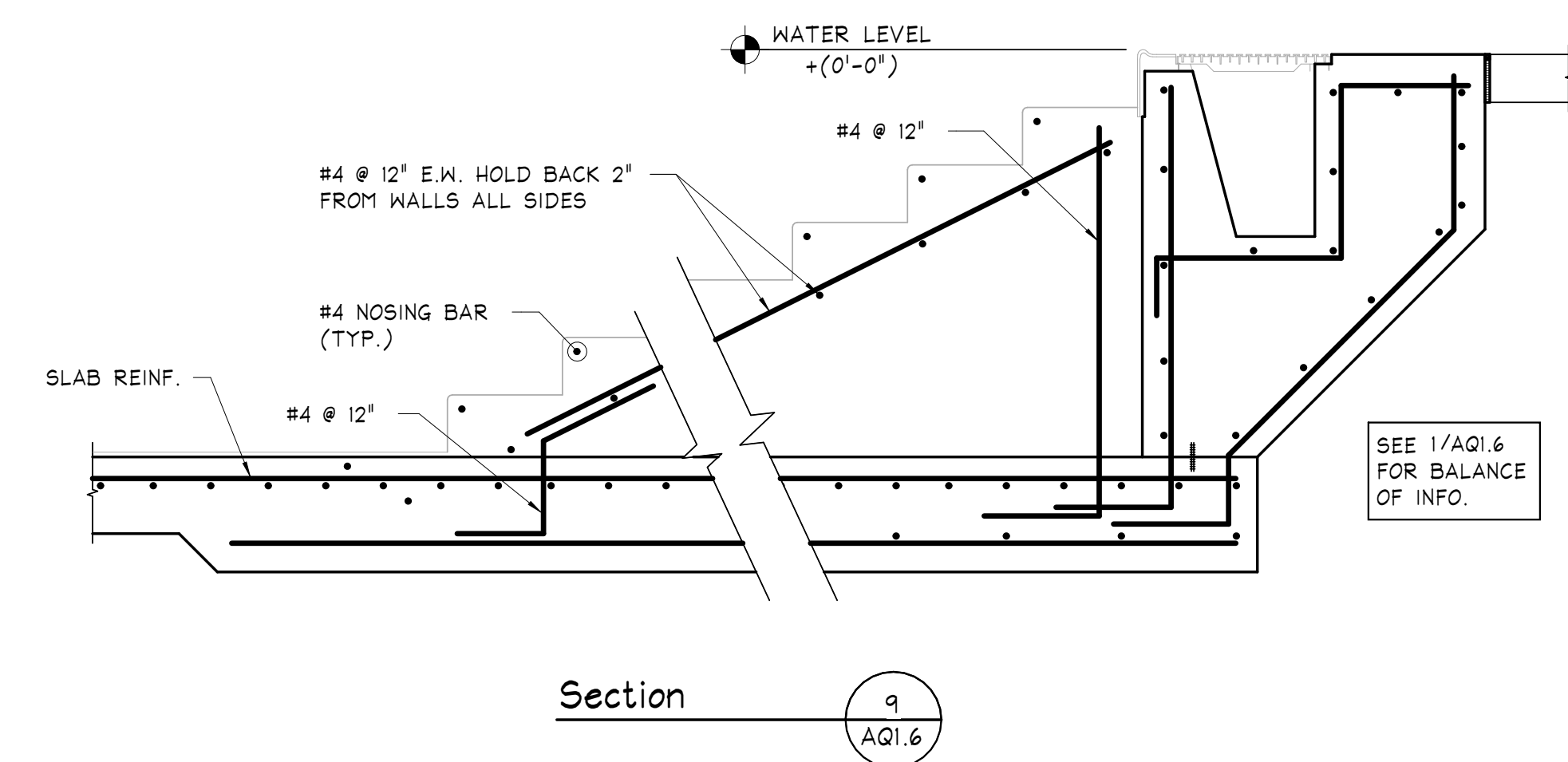
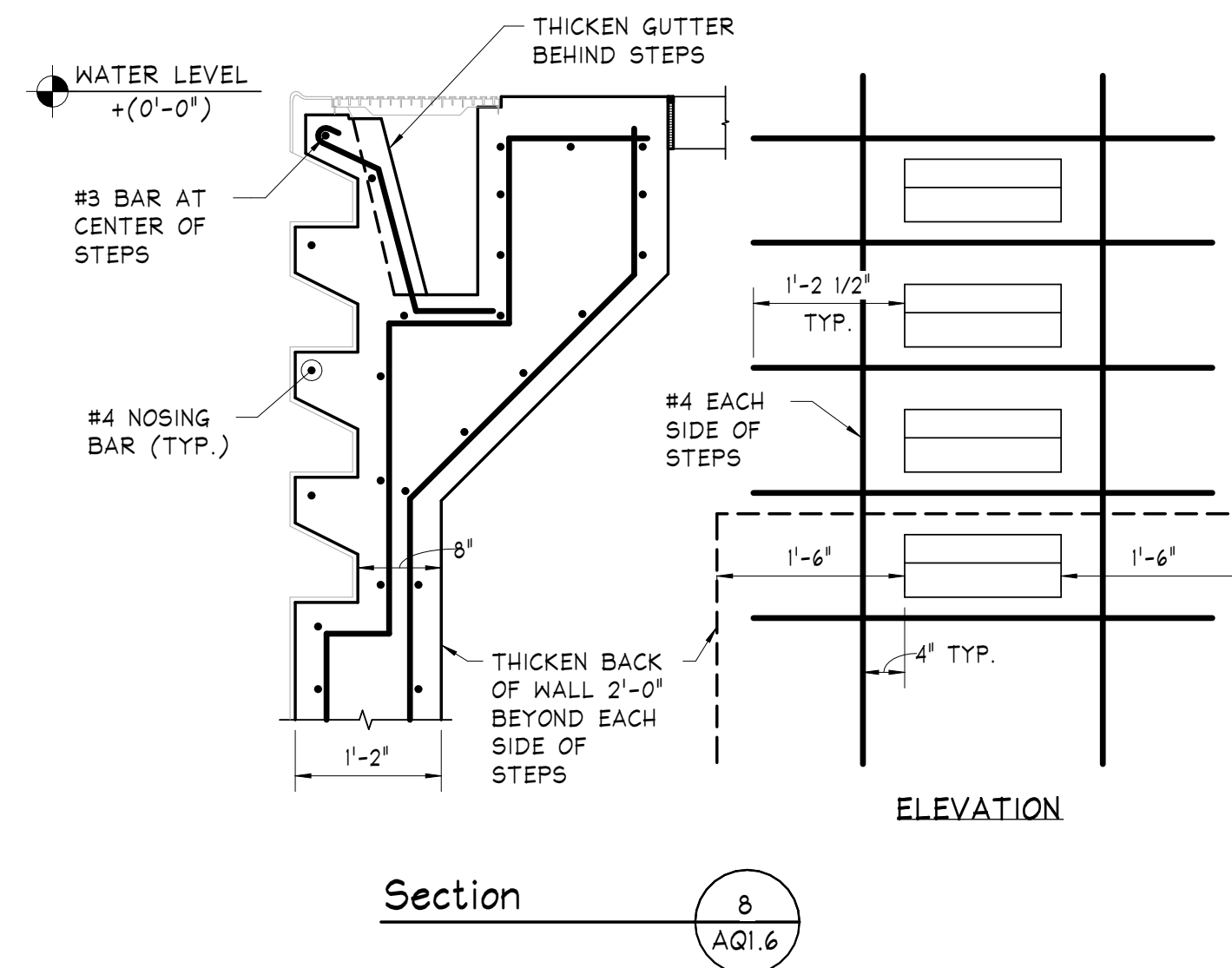
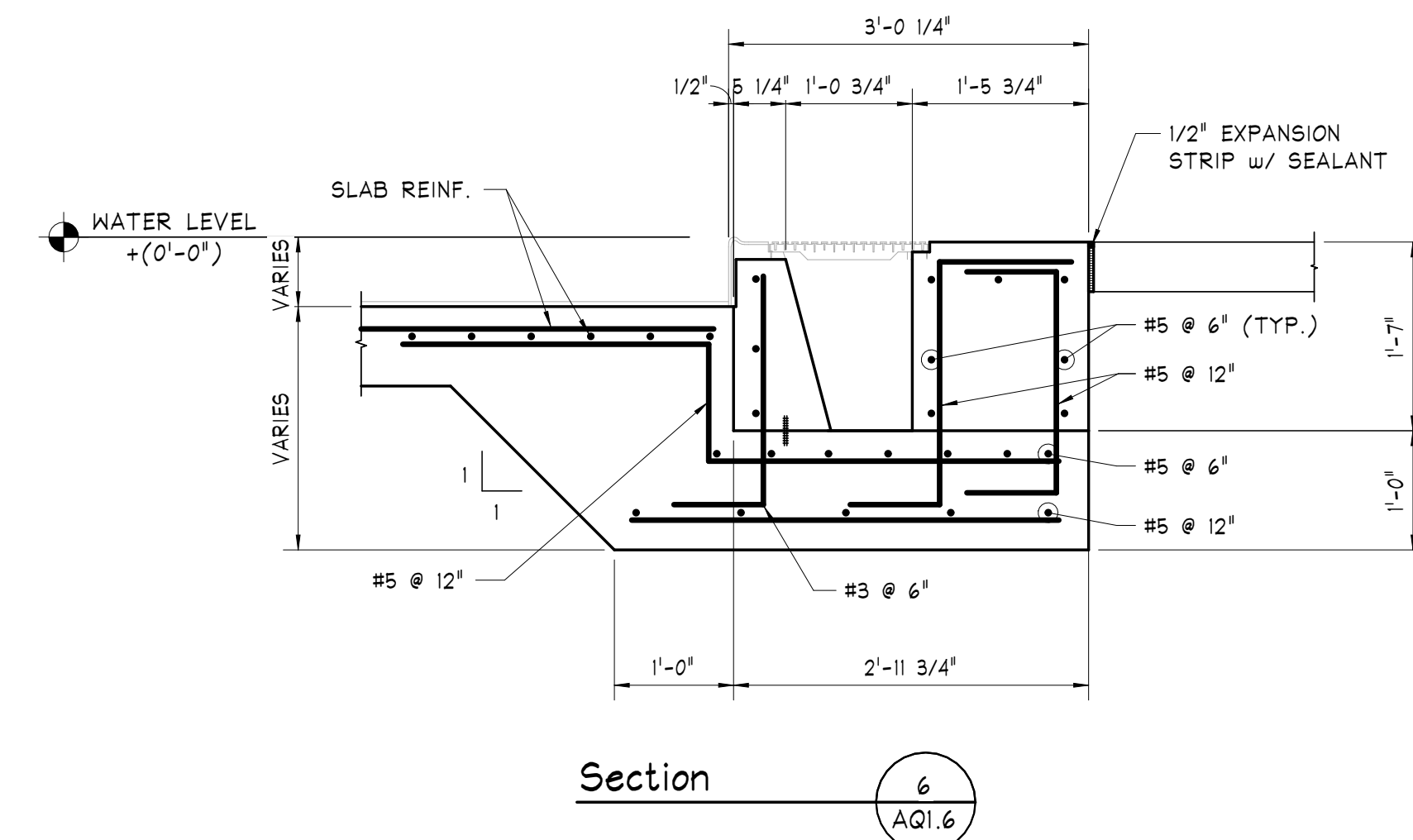
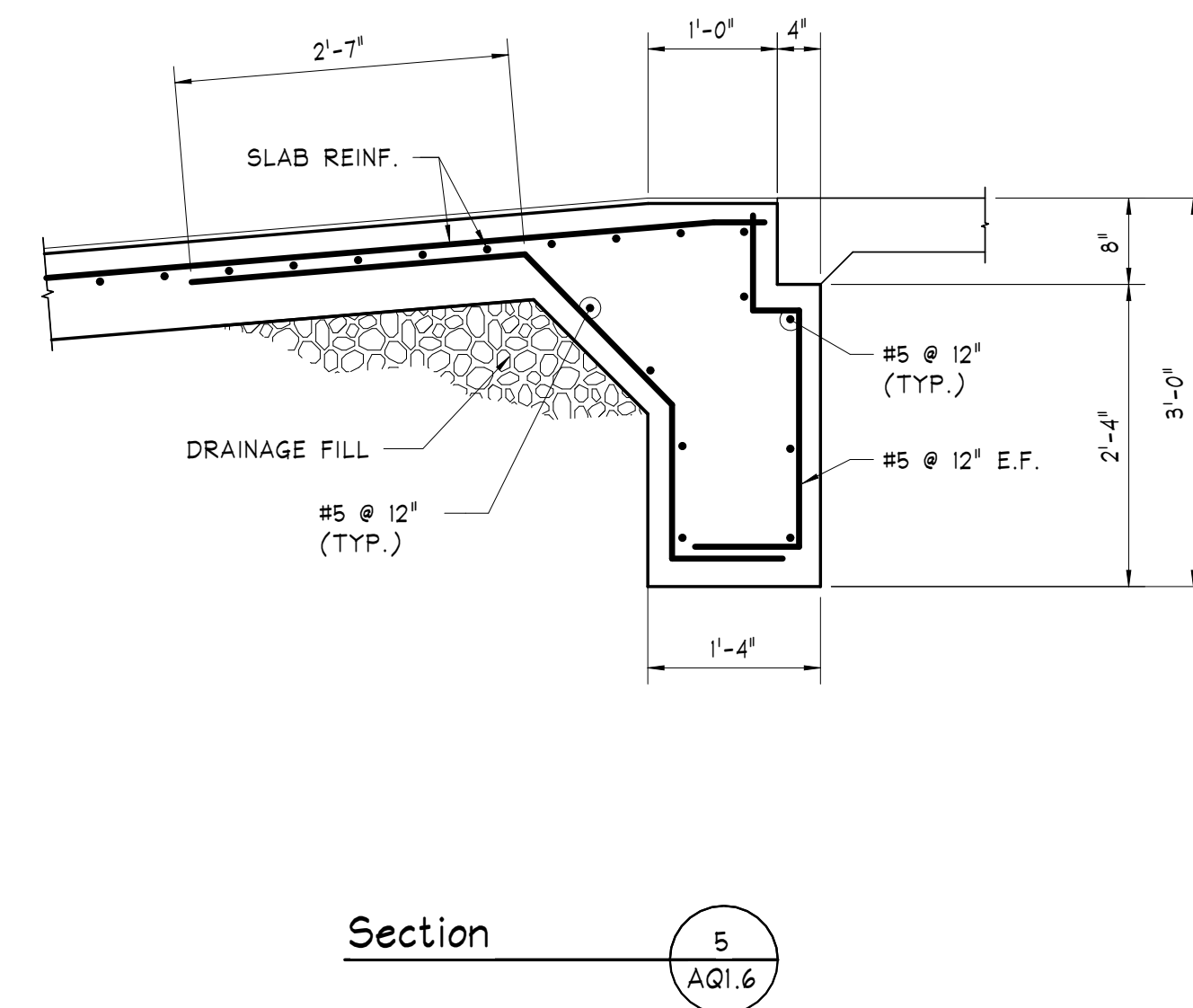
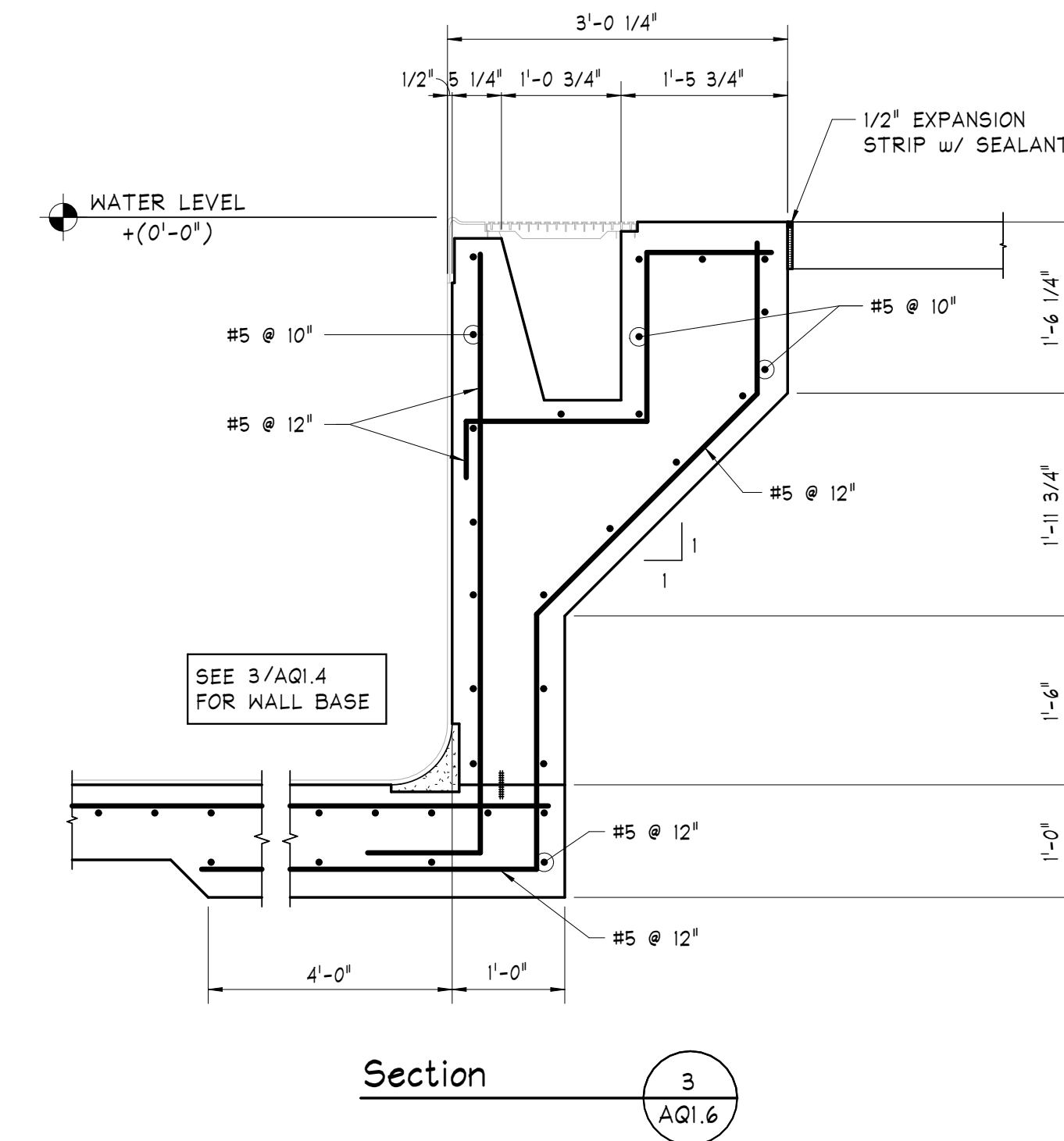
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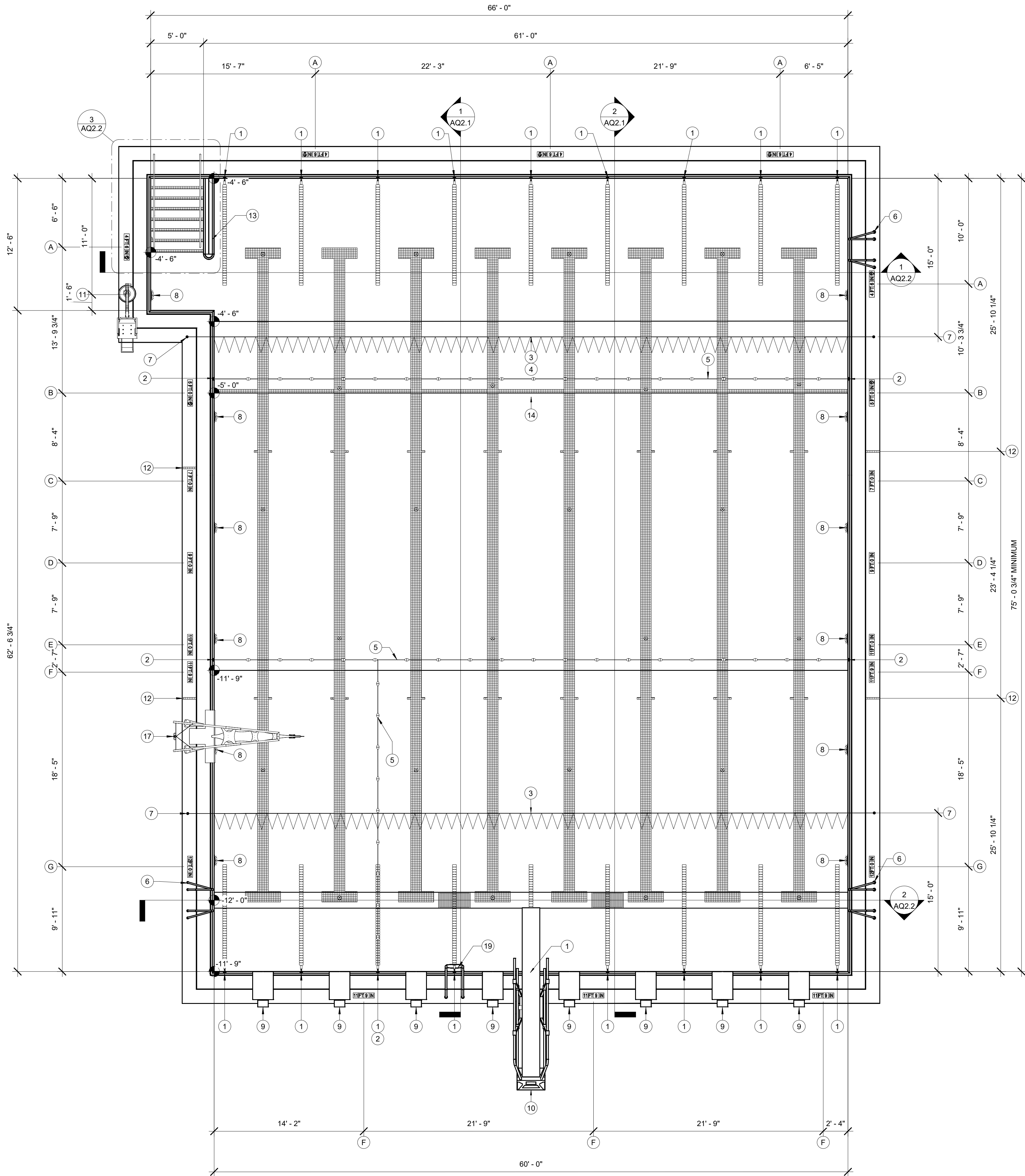
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0	Issued for Construction	01/17/25
1	CONFORMED SET	03/14/25

AQ1.6





DEPTH AND WARNING SIGNAGE SCHEDULE	
ID	SIGNAGE
(A)	4 FT 6 IN
(B)	5 FT 0 IN
(C)	7 FT 0 IN
(D)	9 FT 0 IN
(E)	11 FT 0 IN
(F)	11 FT 9 IN
(G)	12 FT 0 IN

NOTES:
REFER: 8 / AQ2.3 FOR DETAIL.

EQUIPMENT SCHEDULE	
ID	ITEM
(1)	LANE ROPE CUP ANCHOR REFER: 1 / AQ2.3
(2)	SAFETY ROPE CUP ANCHOR REFER: 1 / AQ2.3
(3)	BACKSTROKE PENNANT (OWNER PROVIDED)
(4)	FALSE START ROPE ASSEMBLY (OWNER PROVIDED)
(5)	SAFETY ROPE (OWNER PROVIDED)
(6)	GRAB RAILS & RECESSED STEPS REFER: 3 / AQ2.4
(7)	STANCHION POST (OWNER PROVIDED) & ANCHOR REFER: 1 / AQ2.5
(8)	UNDERWATER LIGHT REFER: 4 / AQ2.4
(9)	DECK MOUNTED STARTING PLATFORM (OWNER PROVIDED) & ANCHOR REFER: 1 / AQ2.4
(10)	ONE METER DIVING PLATFORM & MOUNT REFER: 7 / AQ2.4
(11)	POOL LIFT & ANCHOR REFER: 6 / AQ2.4
(12)	RESURFACING MARKER REFER: 7 / AQ2.3
(13)	WING WALL REFER: 4 / AQ2.3
(14)	4" CONTRASTING TILE BAND COLOR BY ARCHITECT
(15)	WALL TARGET REFER: 7 / AQ2.3
(16)	POOL COVE REFER: 3 / AQ2.3
(17)	AQUA ZIP'N REFER: 8 / AQ2.4
(18)	TOE LEDGE REFER: 5 / AQ2.4
(19)	REMOVABLE LADDER REFER: 2 / AQ2.4



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ISSUANCES

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	01/17/25
1	CONFORMED SET	03/14/25

Drawn By

TCH

Checked By

MJM

Client

Number

948

Project

Number

7383

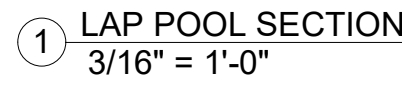
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LAP POOL PLAN

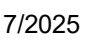
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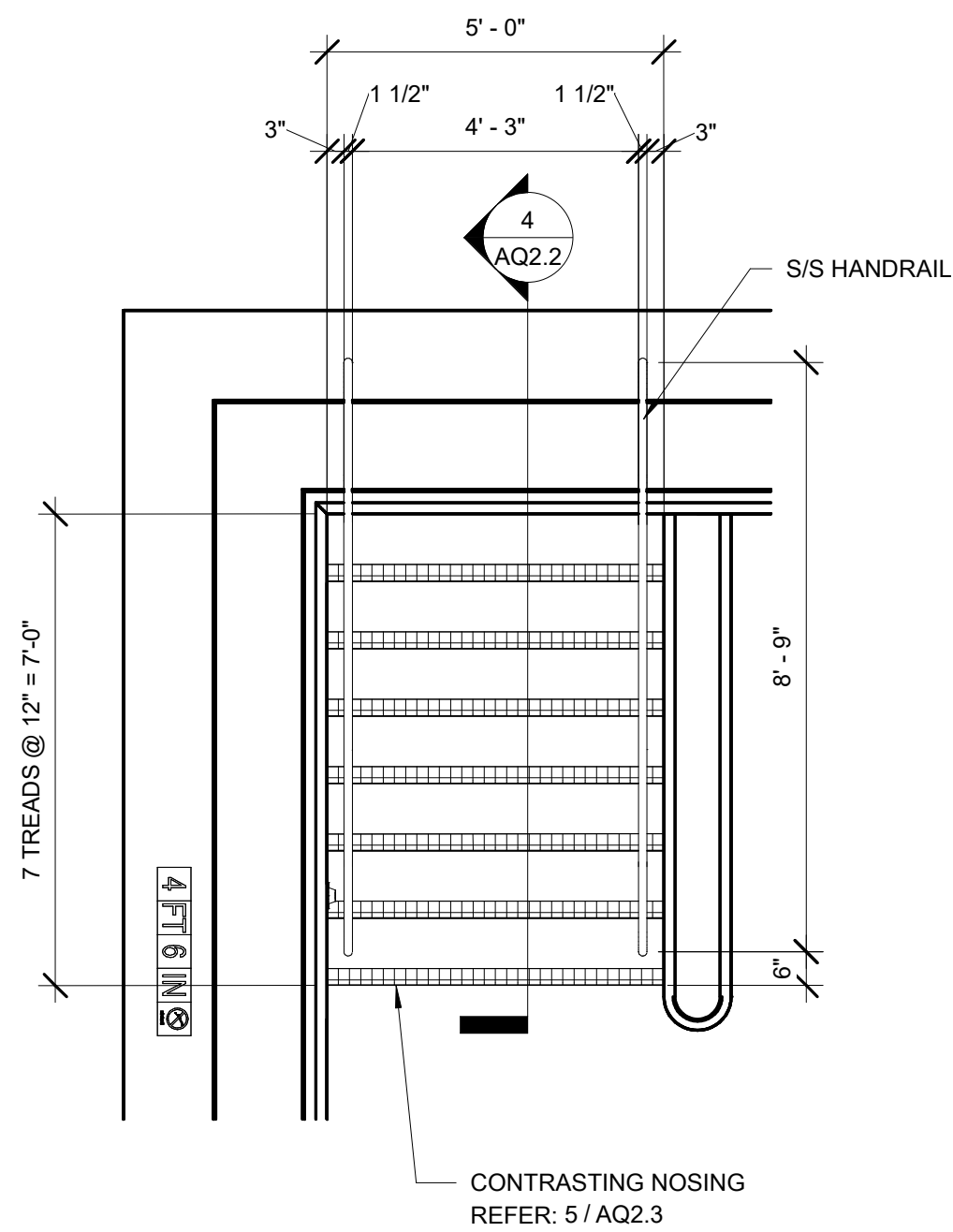
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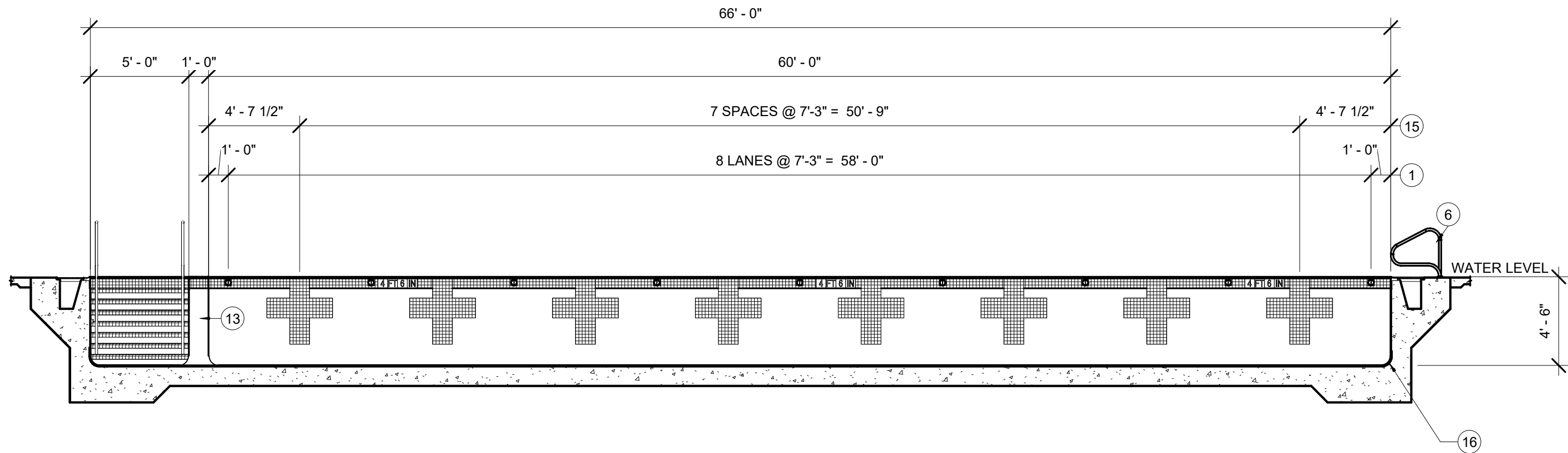


② LAP POOL SECTION
3/16" = 1'-0"

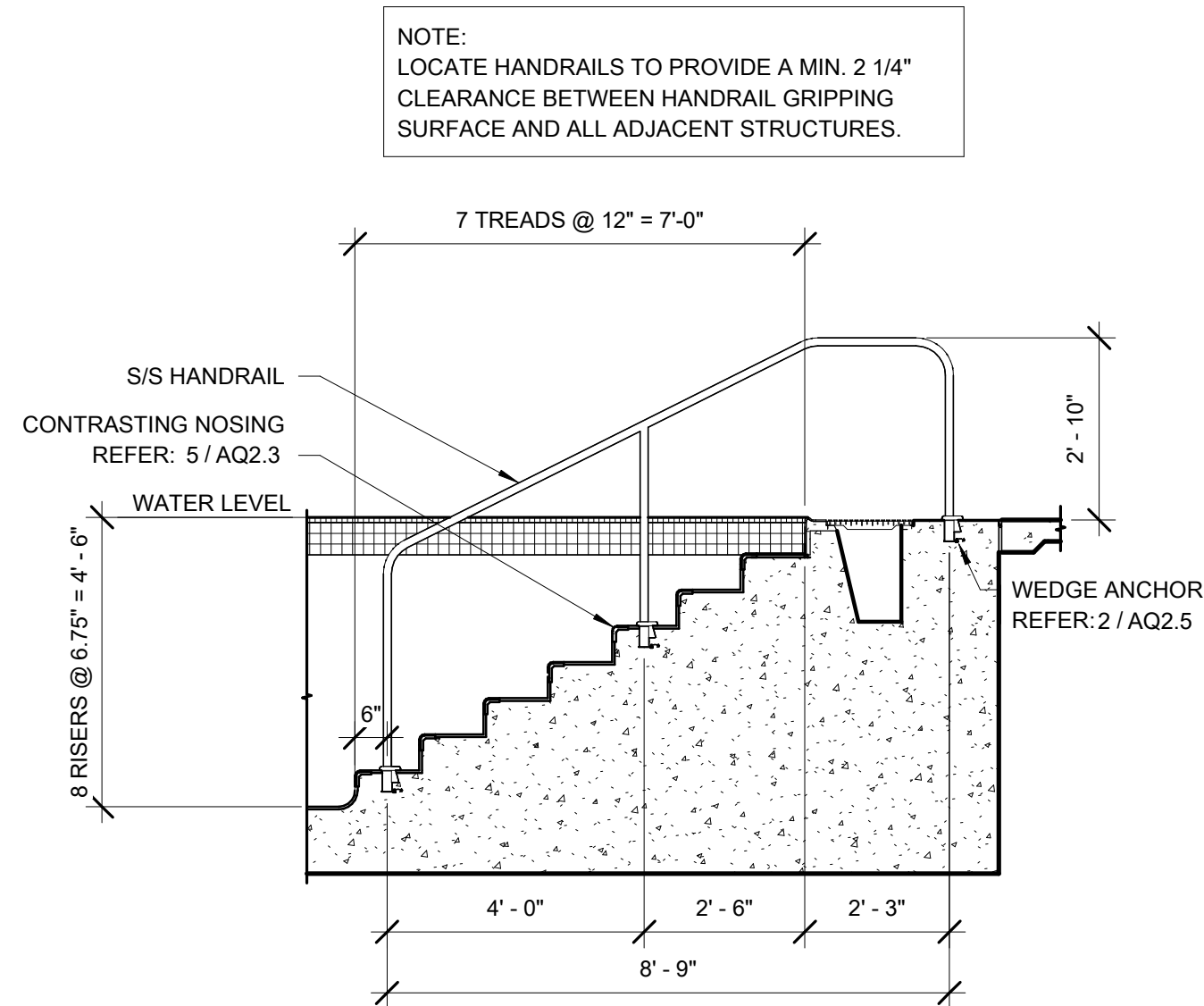




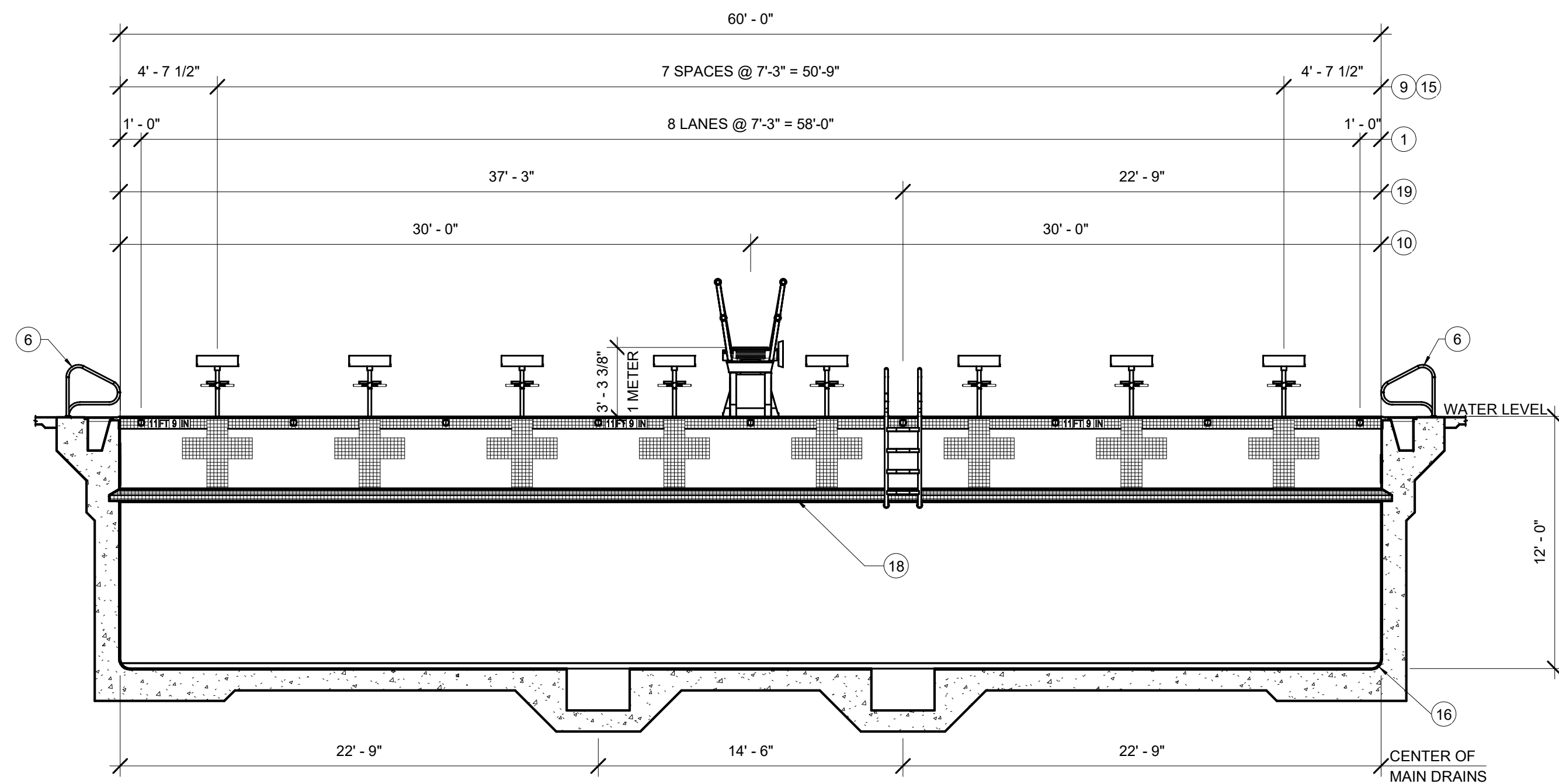
3 ENLARGED STAIR PLAN
3/8" = 1'-0"



1 LAP POOL SECTION
3/16" = 1'-0"



4 STAIR SECTION
3/8" = 1'-0"



2 LAP POOL SECTION
3/16" = 1'-0"

EQUIPMENT SCHEDULE	
ID	ITEM
1	LANE ROPE CUP ANCHOR REFER: 1 / AQ2.3
2	SAFETY ROPE CUP ANCHOR REFER: 1 / AQ2.3
3	BACKSTROKE PENNANT (OWNER PROVIDED)
4	FALSE START ROPE ASSEMBLY (OWNER PROVIDED)
5	SAFETY ROPE (OWNER PROVIDED)
6	GRAB RAILS & RECESSED STEPS REFER: 3 / AQ2.4
7	STANCHION POST (OWNER PROVIDED) & ANCHOR REFER: 1 / AQ2.5
8	UNDERWATER LIGHT REFER: 4 / AQ2.4
9	DECK MOUNTED STARTING PLATFORM (OWNER PROVIDED) & ANCHOR REFER: 1 / AQ2.4
10	ONE METER DIVING PLATFORM & MOUNT REFER: 7 / AQ2.4
11	POOL LIFT & ANCHOR REFER: 6 / AQ2.4
12	RESURFACING MARKER REFER: 7 / AQ2.3
13	WING WALL REFER: 4 / AQ2.3
14	4" CONTRASTING TILE BAND COLOR BY ARCHITECT
15	WALL TARGET REFER: 7 / AQ2.3
16	POOL COVE REFER: 3 / AQ2.3
17	AQUA ZIP'N REFER: 8 / AQ2.4
18	TOE LEDGE REFER: 5 / AQ2.4
19	REMOVABLE LADDER REFER: 2 / AQ2.4



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Project Number

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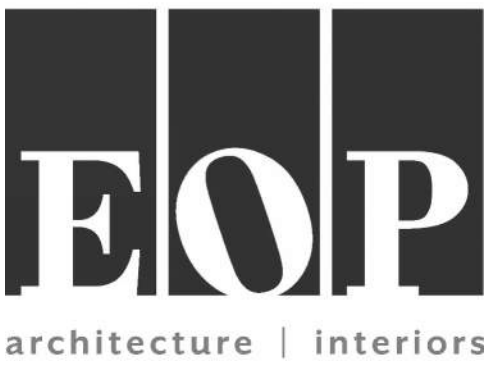
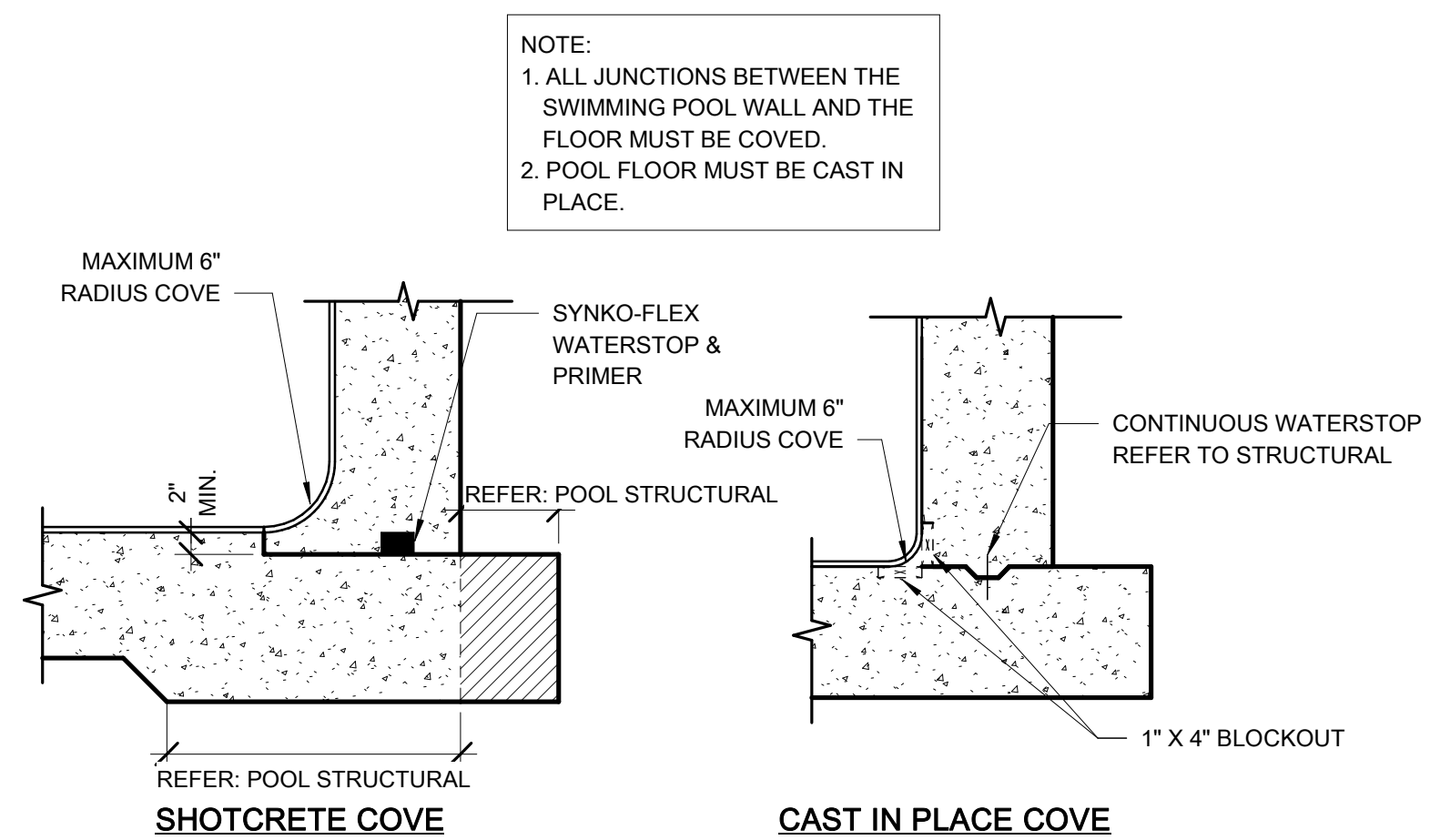
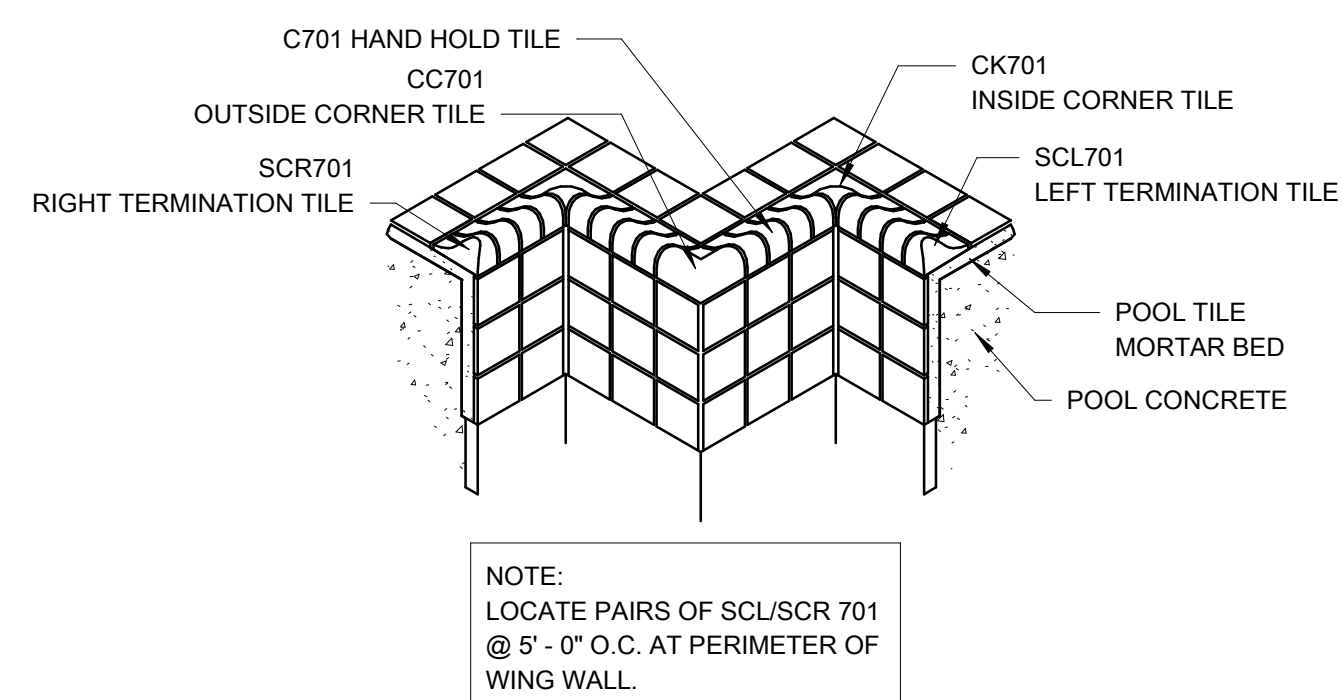
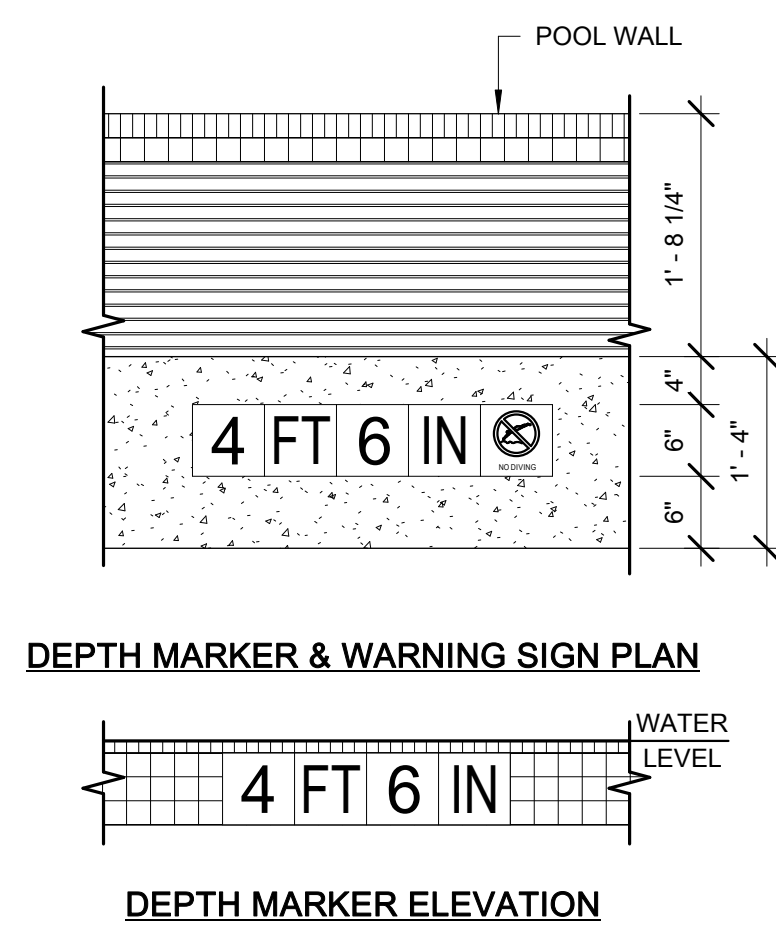
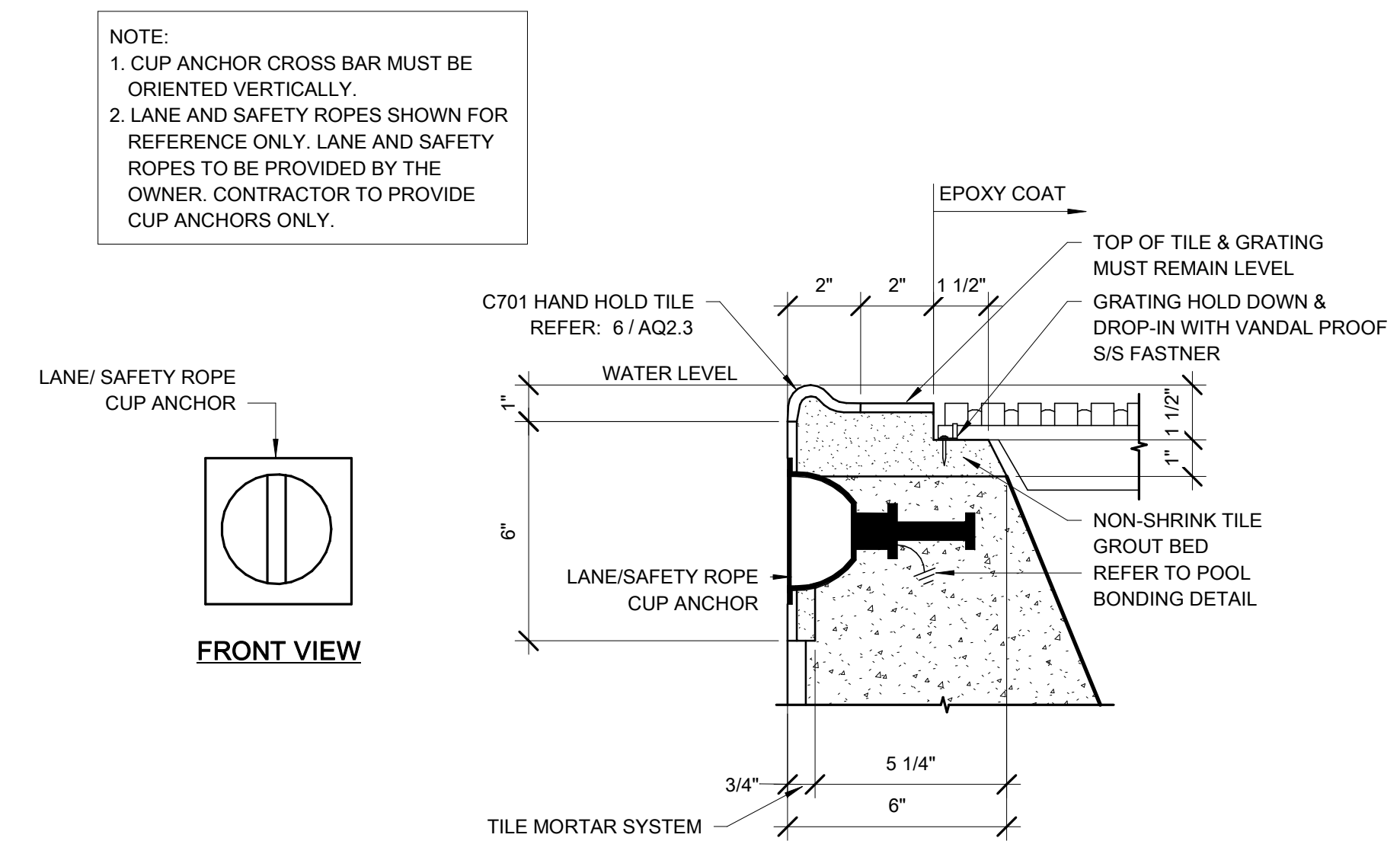
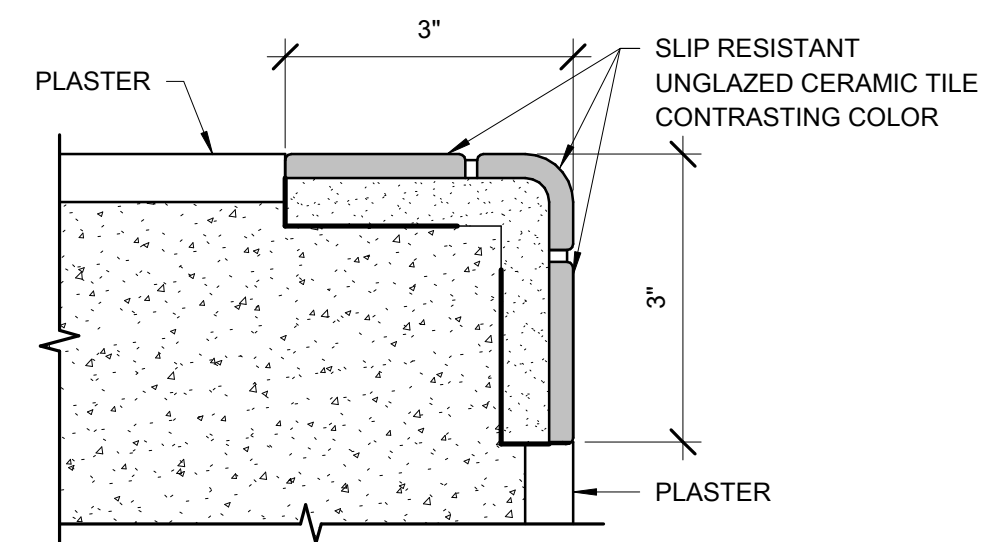
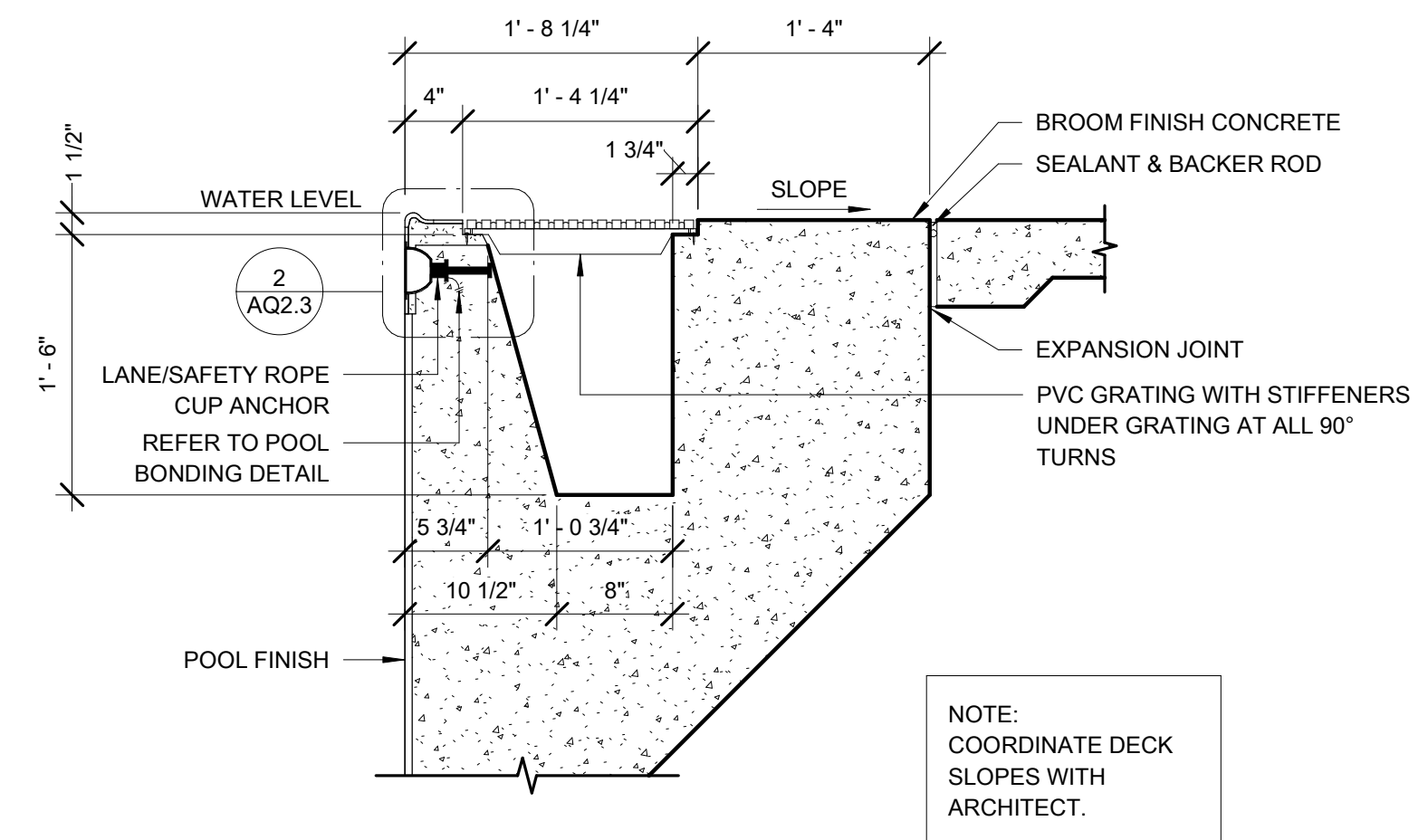
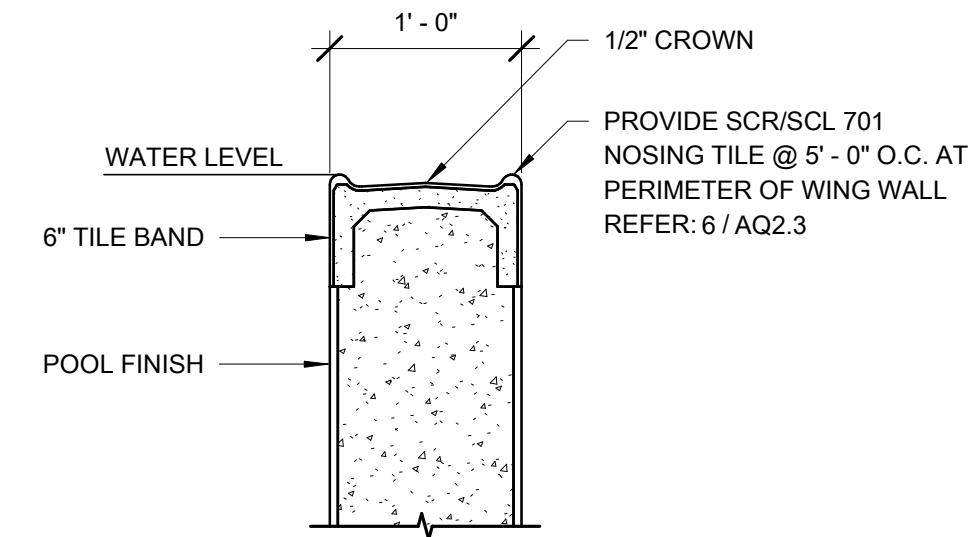
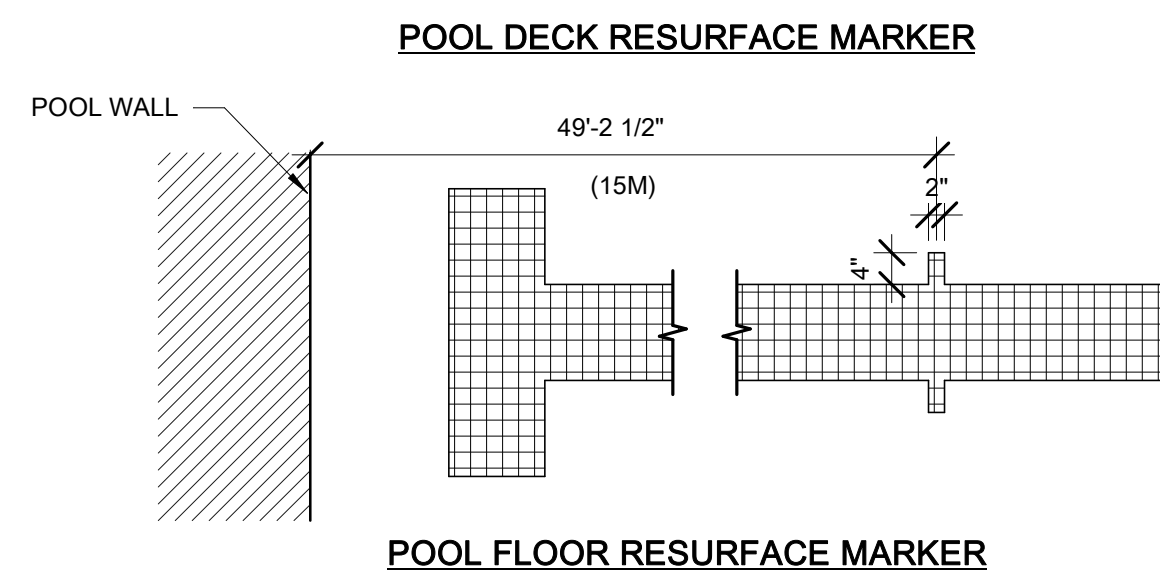
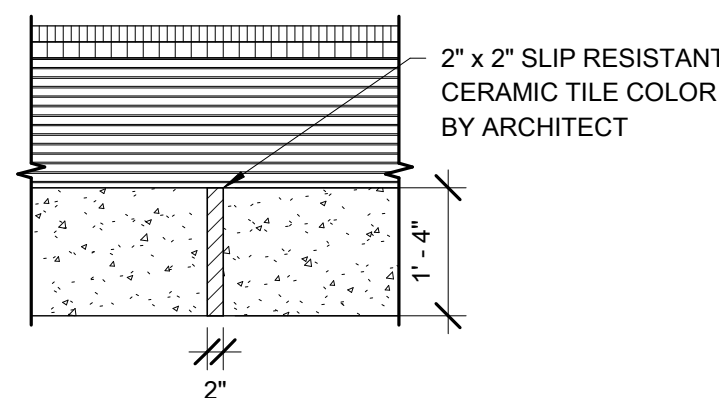
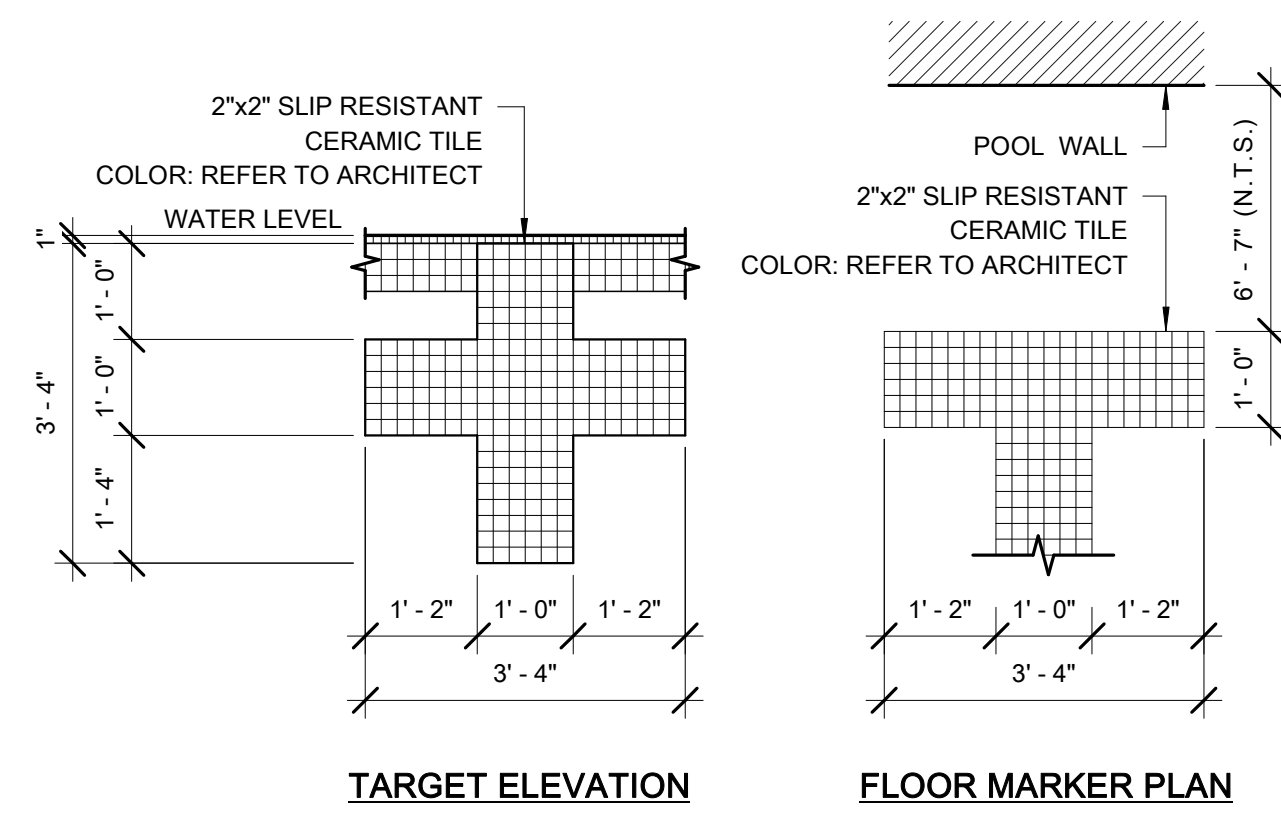
DRAWING TITLE

LAP POOL SECTIONS
& STAIR PLAN

SHEET NO.

AQ2.2

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1	CONFORMED SET	03/14/25

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MJM

Client

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Project	
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7383

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LAP POOL DETAILS

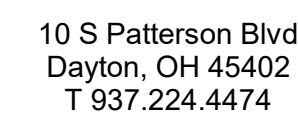
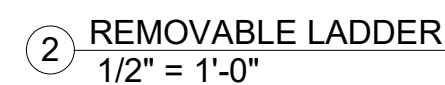
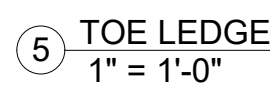
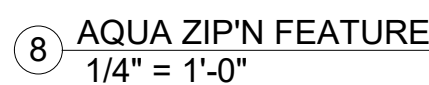
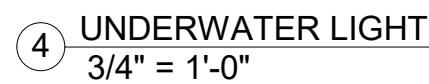
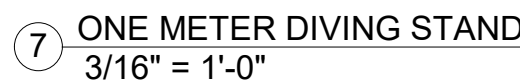
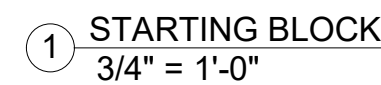
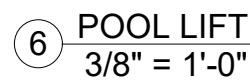
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LAP PC

EXPERIMENTAL PROCEDURES

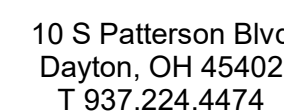
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Client	
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Number 945

34	Project
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Project
Number

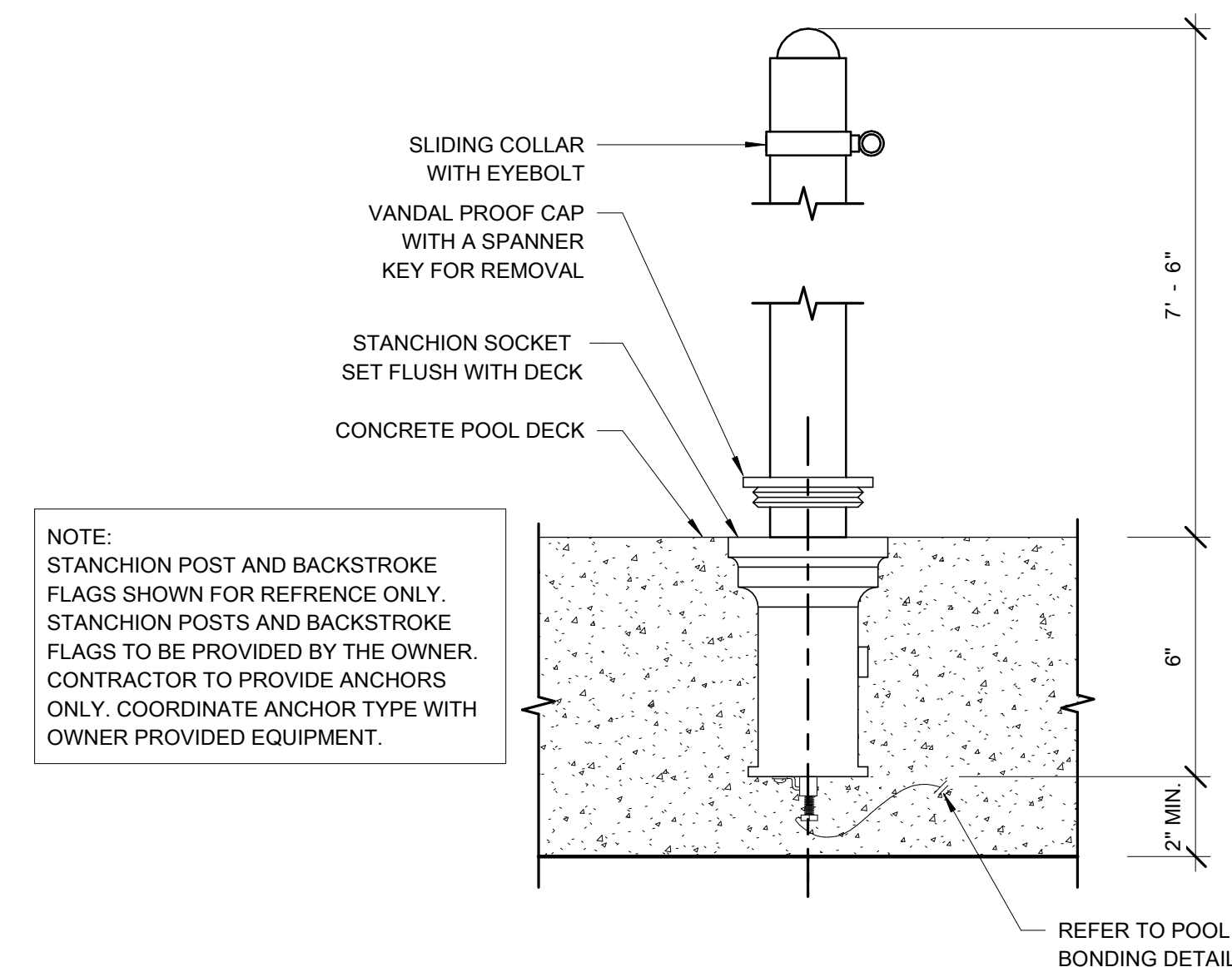
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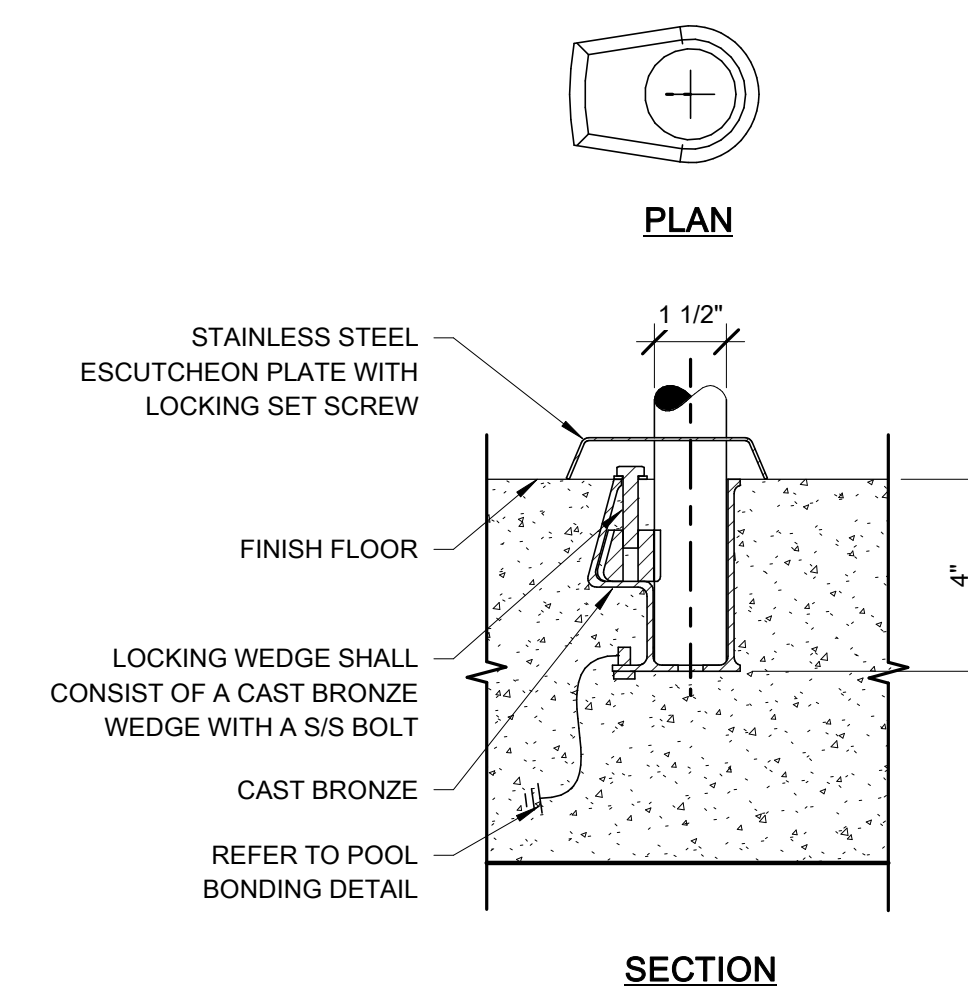
LAP POOL DETAILS

SHEET NO.

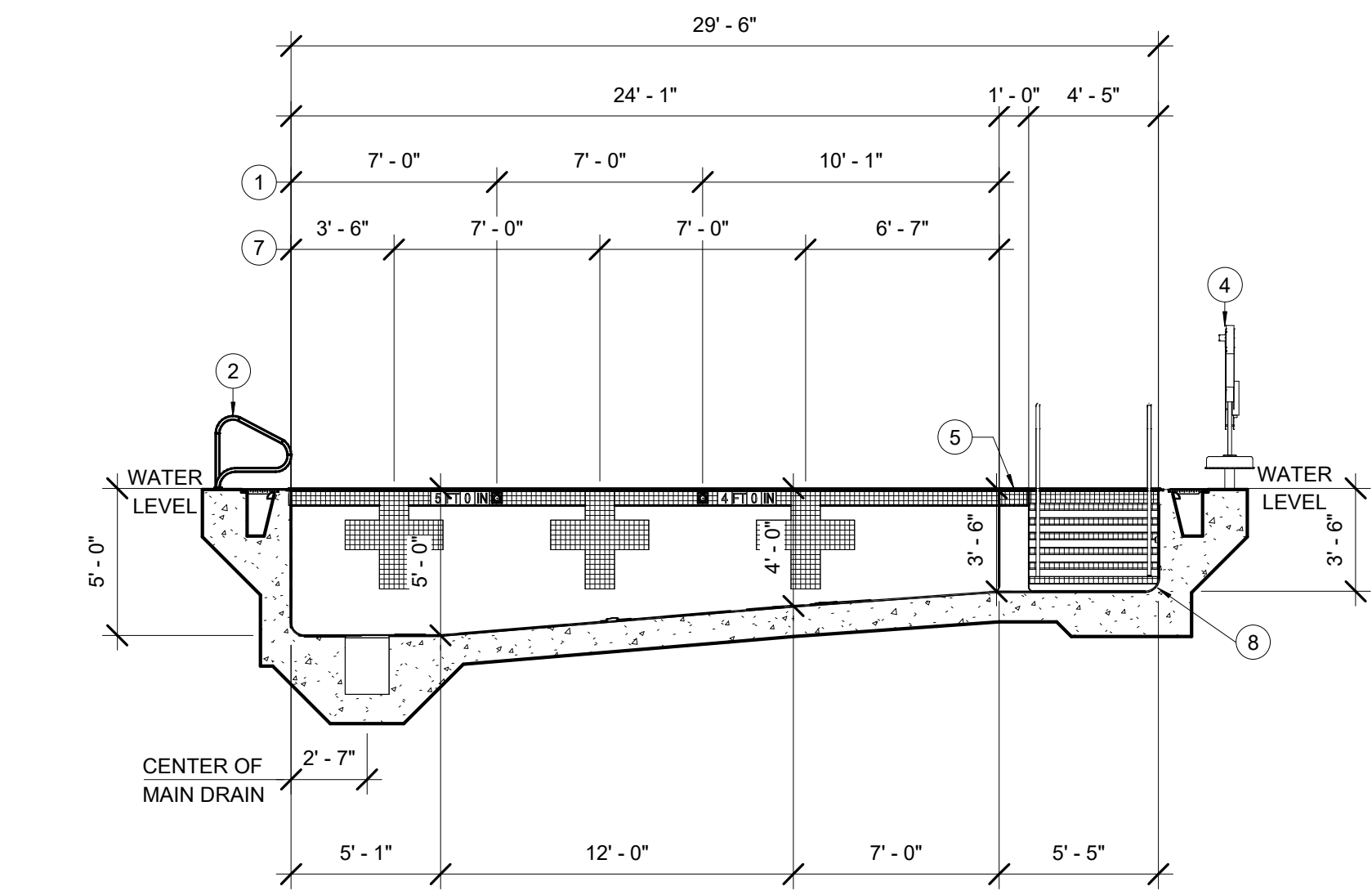
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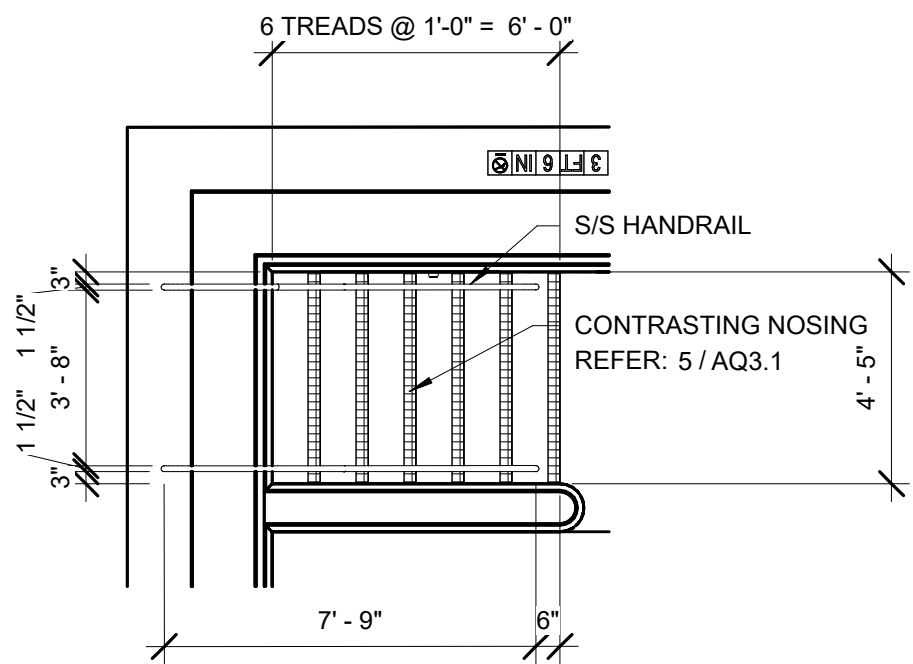
① STANCHION POST & ANCHOR
3" = 1'-0"



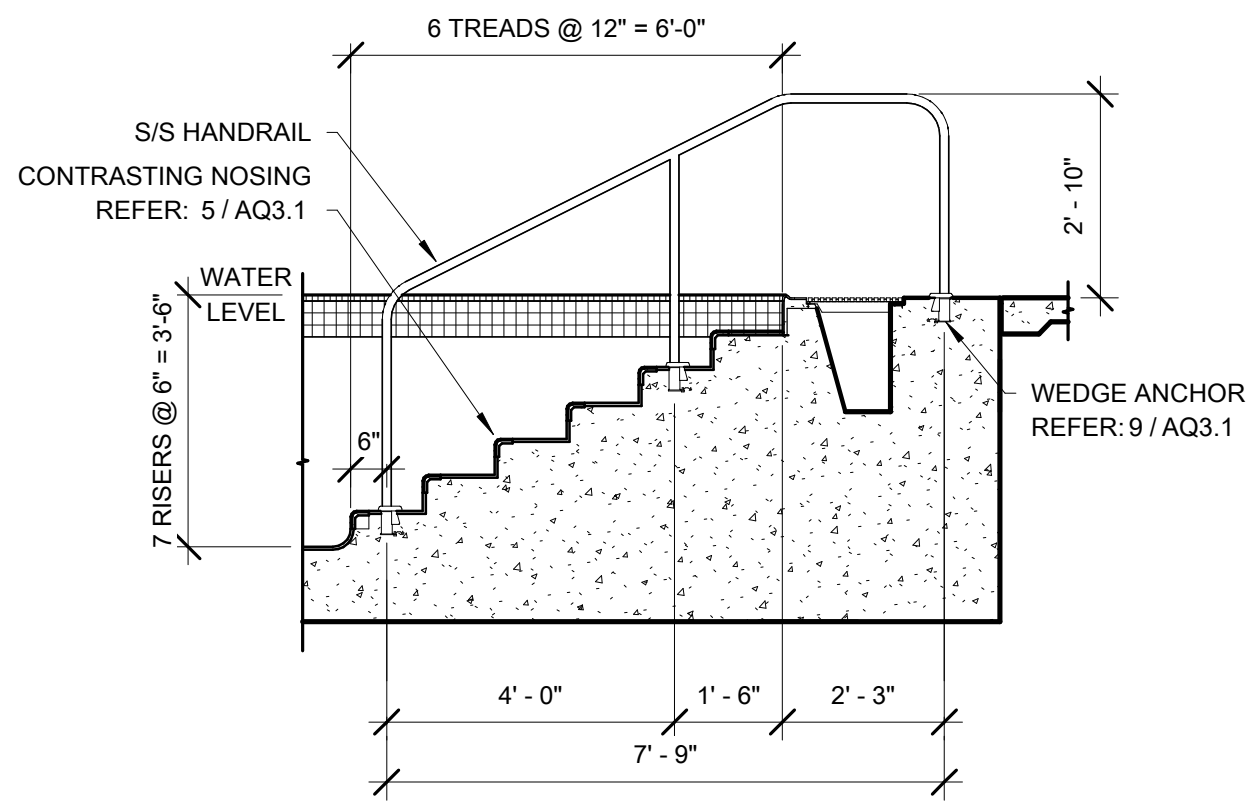
② WEDGE ANCHOR
3" = 1'-0"



④ TEACHING/ EXERCISE POOL SECTION
3/16" = 1'-0"

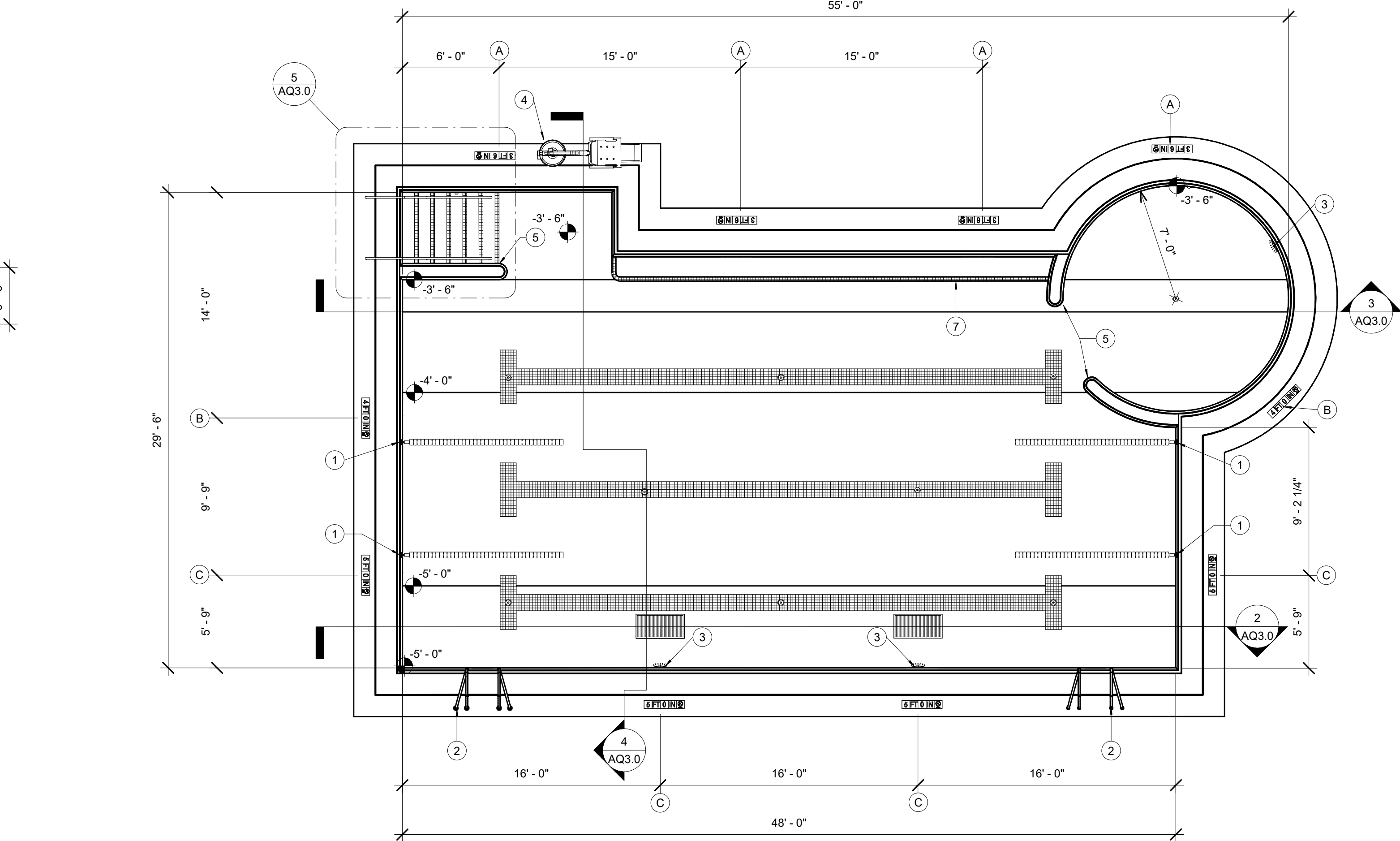


⑤ ENLARGED STAIR PLAN
1/4" = 1'-0"

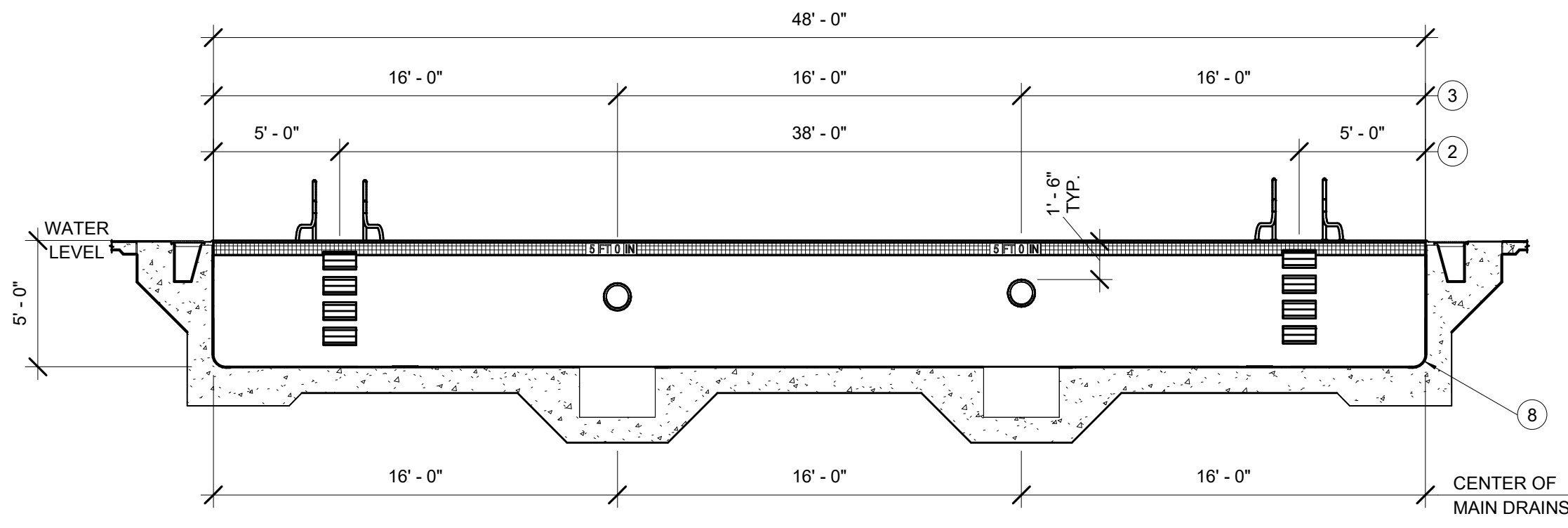


⑥ STAIR SECTION
3/8" = 1'-0"

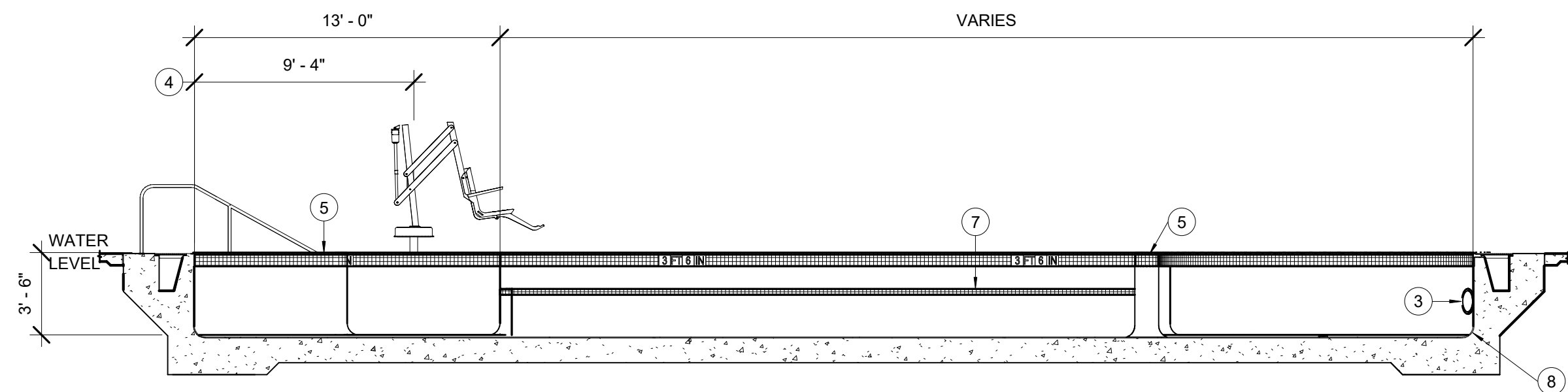
NOTE:
LOCATE HANDRAILS TO PROVIDE A MIN. 2 1/4" CLEARANCE BETWEEN
HANDRAIL GRIPPING SURFACE AND ALL ADJACENT STRUCTURES.



① TEACHING/ EXERCISE POOL PLAN
3/16" = 1'-0"



② TEACHING/EXERCISE POOL SECTION
3/16" = 1'-0"



③ TEACHING/ EXERCISE POOL SECTION
3/16" = 1'-0"

DEPTH AND WARNING SIGNAGE SCHEDULE	
ID	SIGNAGE
A	3 FT 6 IN
B	4 FT 0 IN
C	5 FT 0 IN

NOTES:
REFER: 7 / AQ3.1 FOR DETAIL.

EQUIPMENT SCHEDULE	
ID	ITEM
①	LANE ROPE CUP ANCHOR REFER: 1 / AQ3.1
②	GRAB RAILS & RECESSED STEPS REFER: 2 / AQ3.2
③	UNDERWATER LIGHT REFER: 1 / AQ3.2
④	POOL LIFT & ANCHOR REFER: 3 / AQ3.2
⑤	WING WALL REFER: 4 / AQ3.1
⑥	WALL TARGET REFER: 8 / AQ3.1
⑦	UNDERWATER BENCH REFER: 4 / AQ3.2
⑧	POOL COVE REFER: 3 / AQ3.1



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Sycamore Trails Aquatic Center

400 S. Heincke Road
Miami Springs, 33142

ISSUANCES

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	01/17/25
1	CONFORMED SET	03/14/25

Drawn By

TCH

Checked By

MJM

Client Number

948

Project Number

7383

DRAWING TITLE

TEACHING /
EXERCISE POOL
PLANS & SECTIONS

SHEET NO.

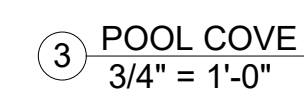
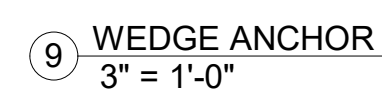
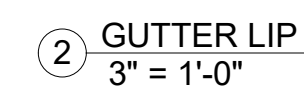
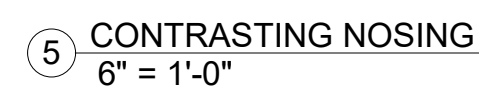
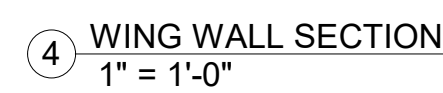
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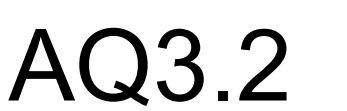
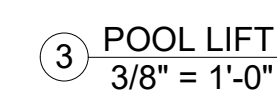
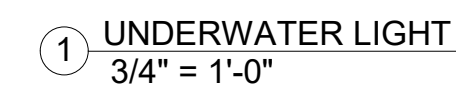
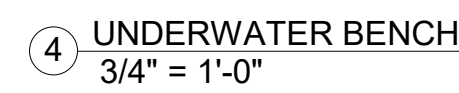


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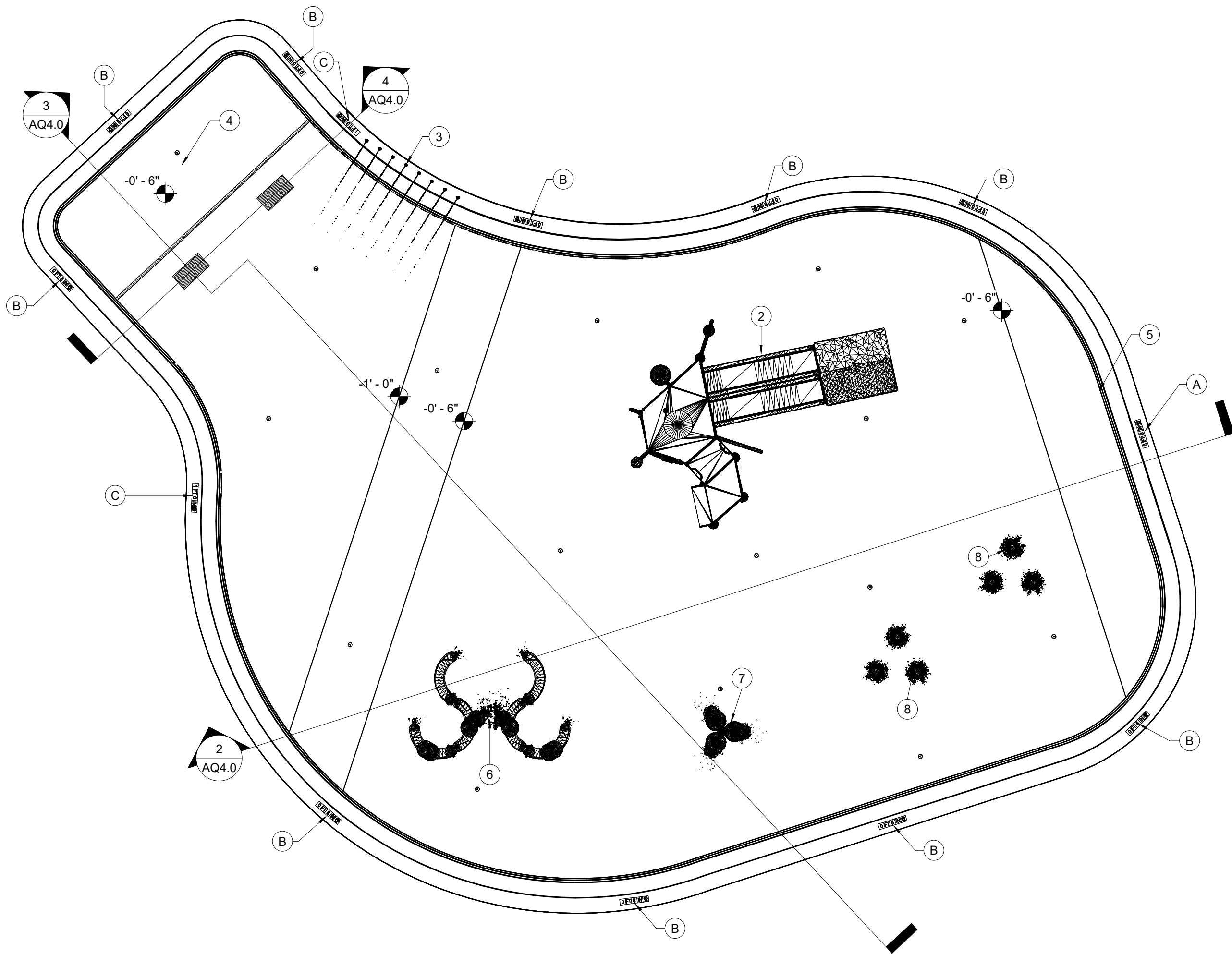
1. DEPTH MARKERS AND WARNING SIGNS MUST BE PROVIDED AS 6"x6" TILES WITH MINIMUM 4" TALL CONTRASTING LETTERS AND NUMBERS. COLOR BY ARCHITECT.
2. PROVIDE NO DIVING WARNING SIGNS WITH 6"x6" TILE DISPLAYING INTERNATIONAL NO DIVING SYMBOL.
3. ALL HORIZONTAL TILE INSTALLATIONS MUST HAVE A SLIP RESISTANT FINISH. ALL VERTICAL TILE INSTALLATIONS MUST HAVE A SMOOTH GLAZED FINISH.

7 DEPTH MARKERS & WARNING SIGNS
3/4" = 1'-0"

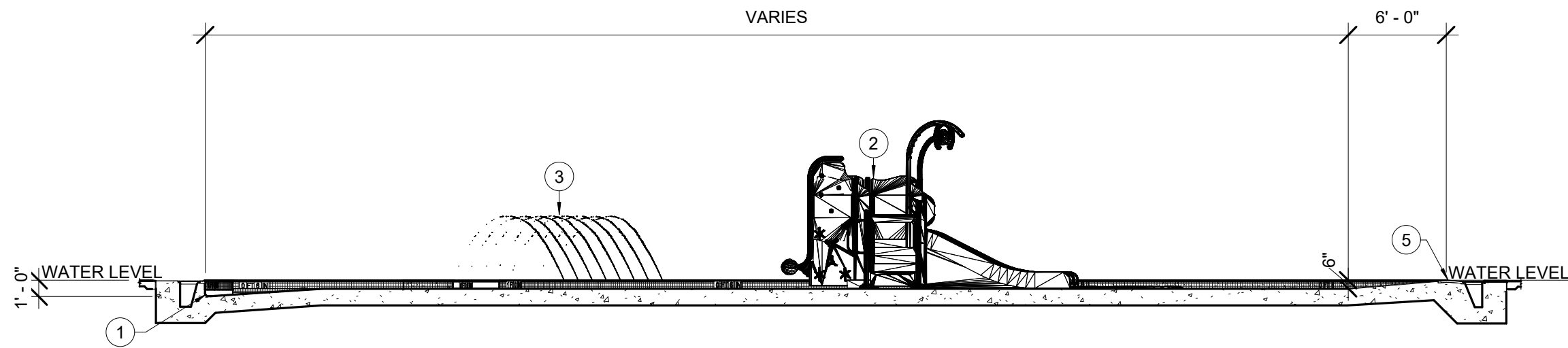




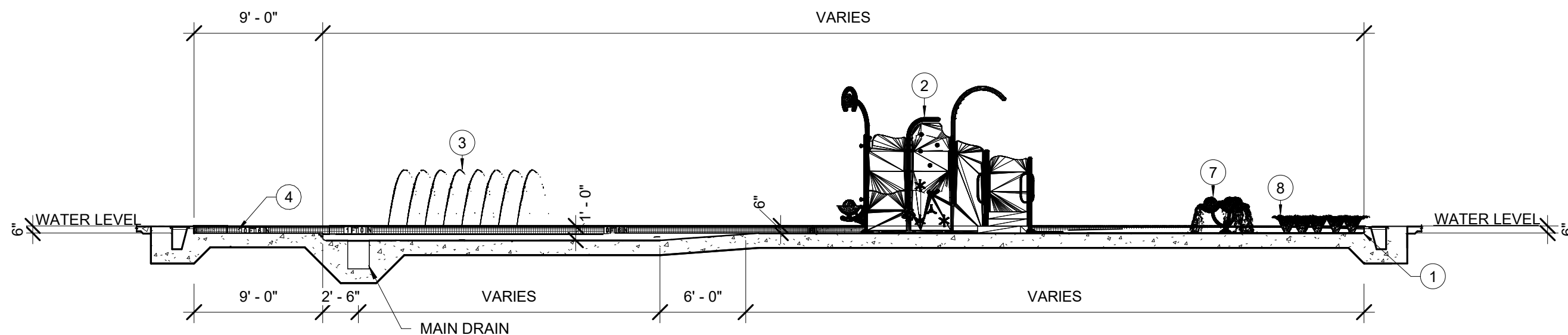
ISSUED FOR CONSTRUCTION



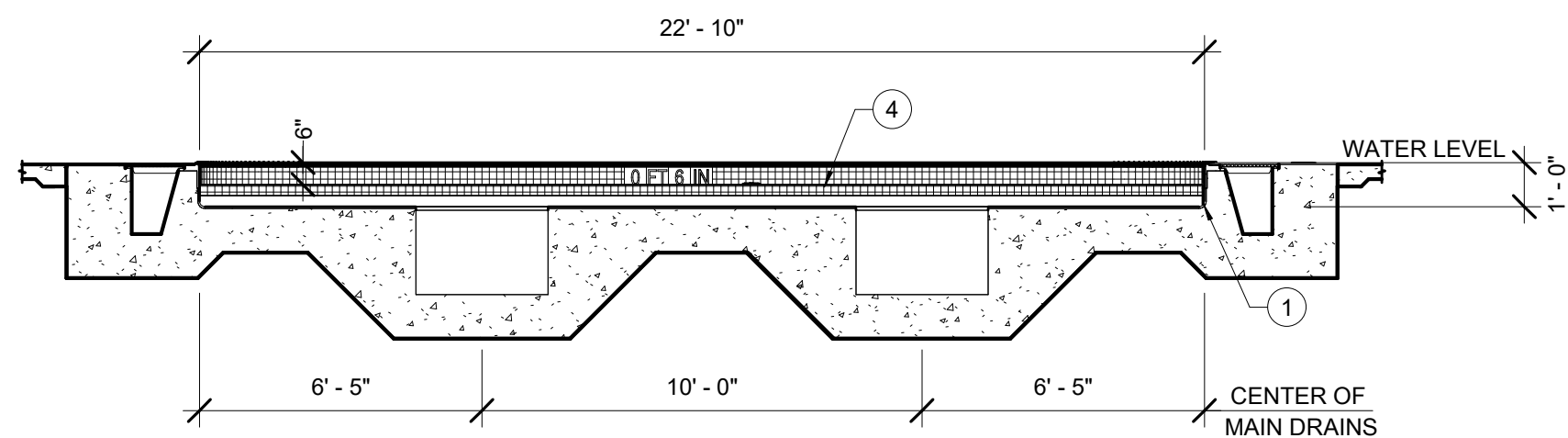
1 WADING POOL PLAN
1/8" = 1'-0"



2 WADING POOL SECTION
1/8" = 1'-0"



3 WADING POOL SECTION
1/8" = 1'-0"



4 WADING POOL SECTION
1/4" = 1'-0"

DEPTH AND WARNING SIGNAGE SCHEDULE	
ID	SIGNAGE
(A)	0 FT 0 IN [Symbol]
(B)	0 FT 6 IN [Symbol]
(C)	1 FT 0 IN [Symbol]
NOTES: REFER: 8 / AQ4.1 FOR DETAIL.	

EQUIPMENT SCHEDULE	
ID	ITEM
1	POOL COVE REFER: 3 / AQ4.1
2	PLAY NUK NO.3 PLAY STRUCTURE REFER:9 / AQ4.1
3	WATER TUNNEL REFER:5 / AQ4.2
4	UNDERWATER SHELF REFER: 4 / AQ4.1
5	ZERO ENTRY REFER: 6 / AQ4.1
6	CASCADE RAINFOREST REFER: 3 / AQ4.2
7	BOBBLE NO.2 REFER: 2 / AQ4.2
8	WATER JELLY REFER: 4 / AQ4.2



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ISSUANCES

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Drawn By

TCH

Checked By

MJM

Client

Number

948

Project

Number

7383

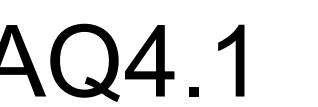
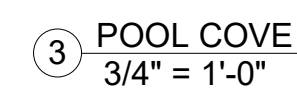
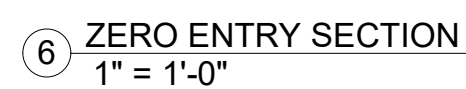
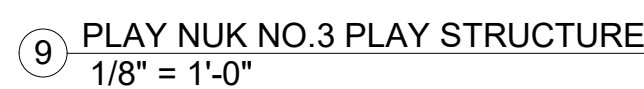
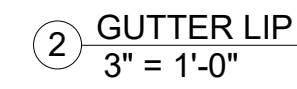
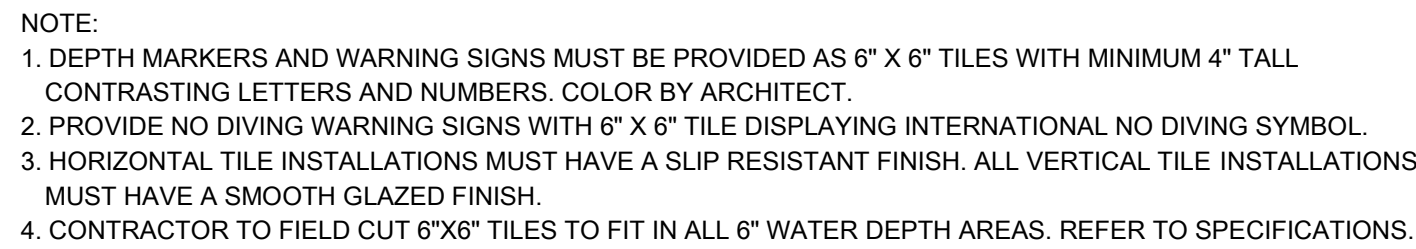
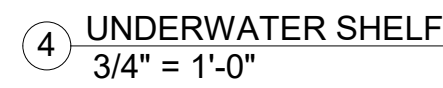
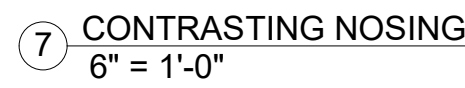
DRAWING TITLE

WADING POOL PLAN
& SECTIONS

SHEET NO.

AQ4.0

ISSUED FOR CONSTRUCTION





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ISSUANCES

[illegible]

Drawn By

TCH

Checked By	
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MJM

Client	
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Number
945

Project

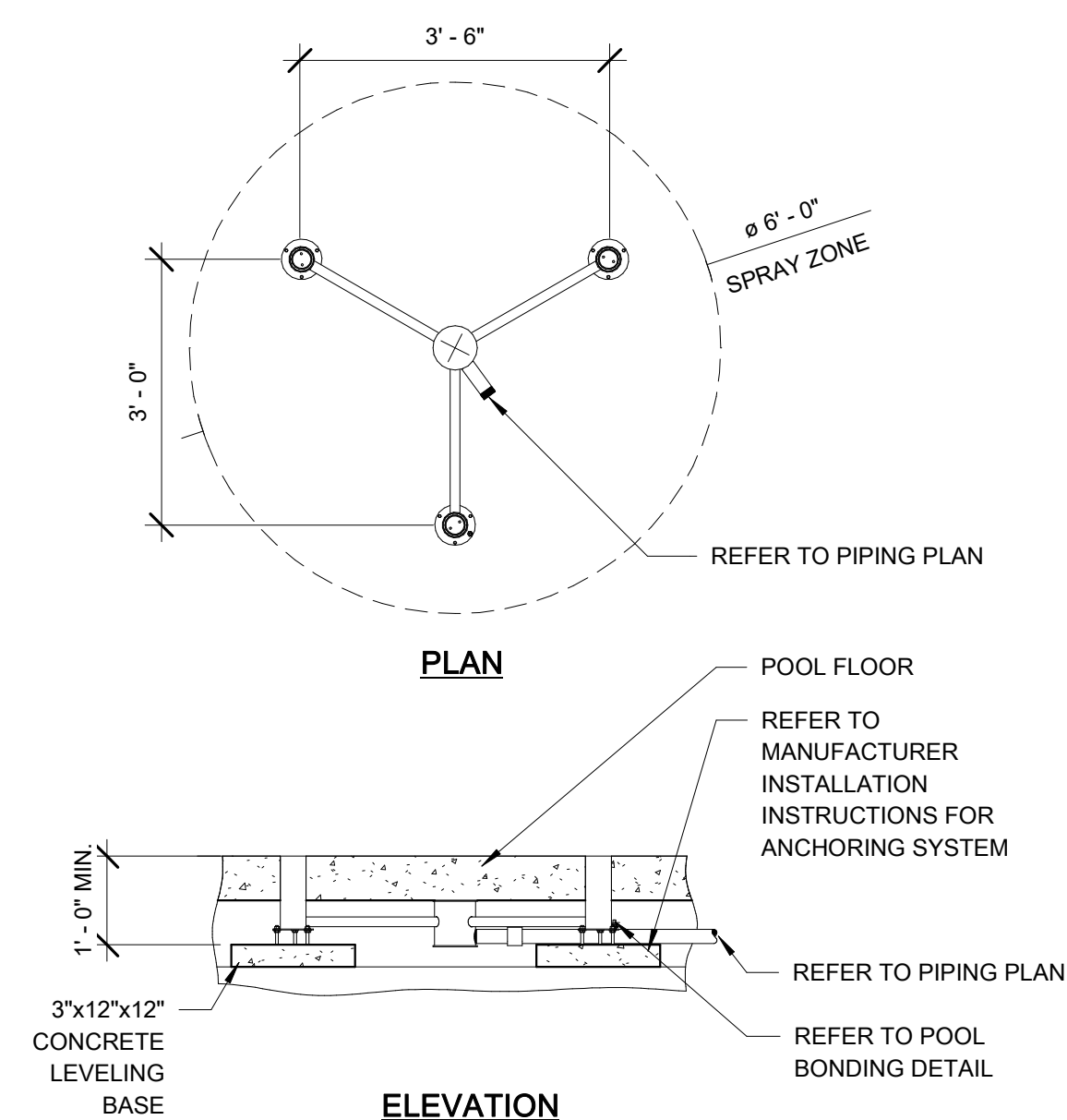
Number
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DRAWING T

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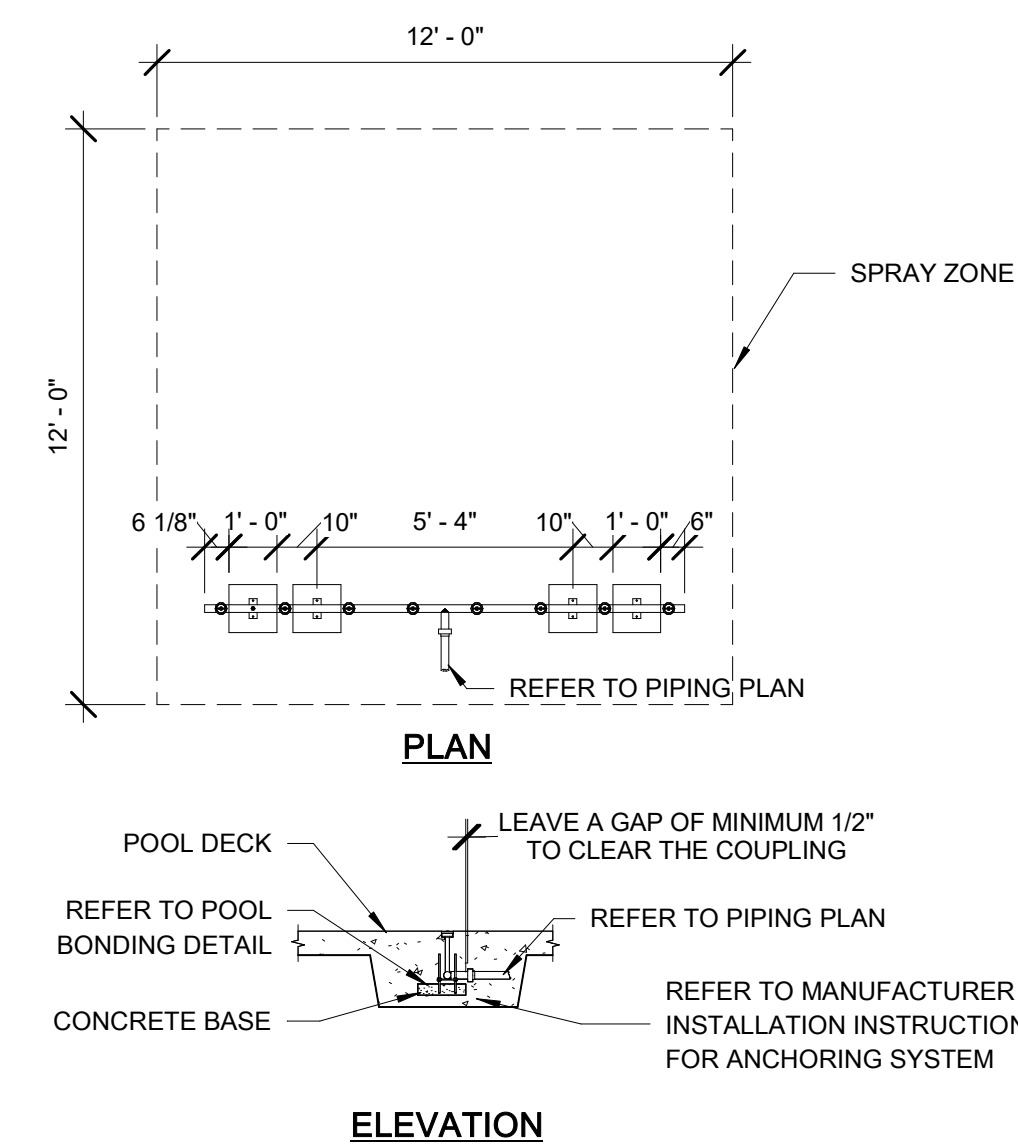
WADING POOL DETAILS

SHEET NO.

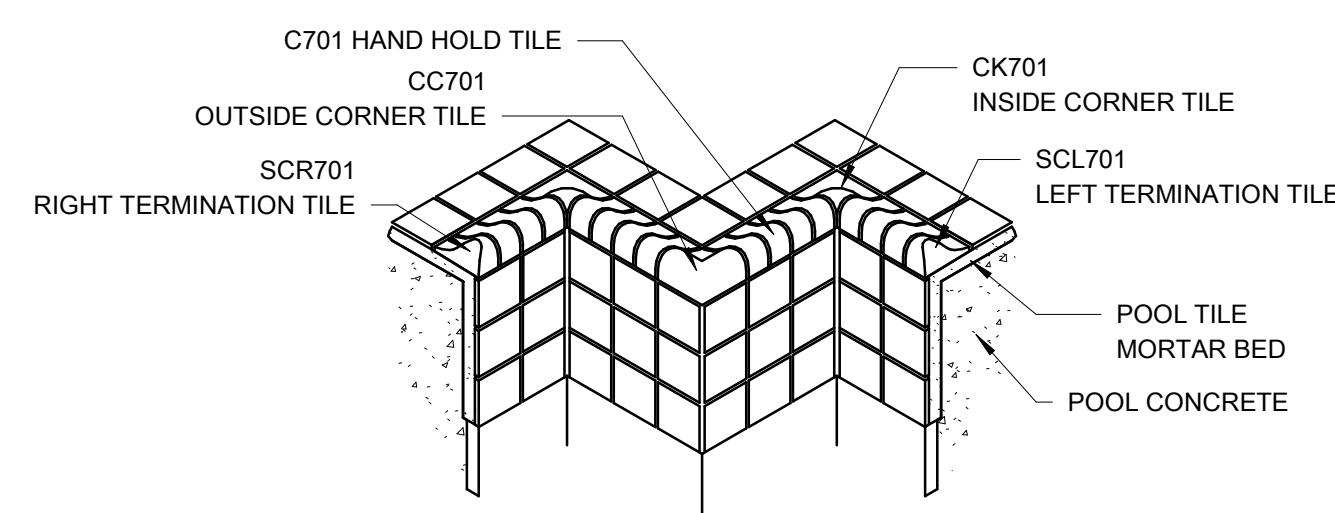
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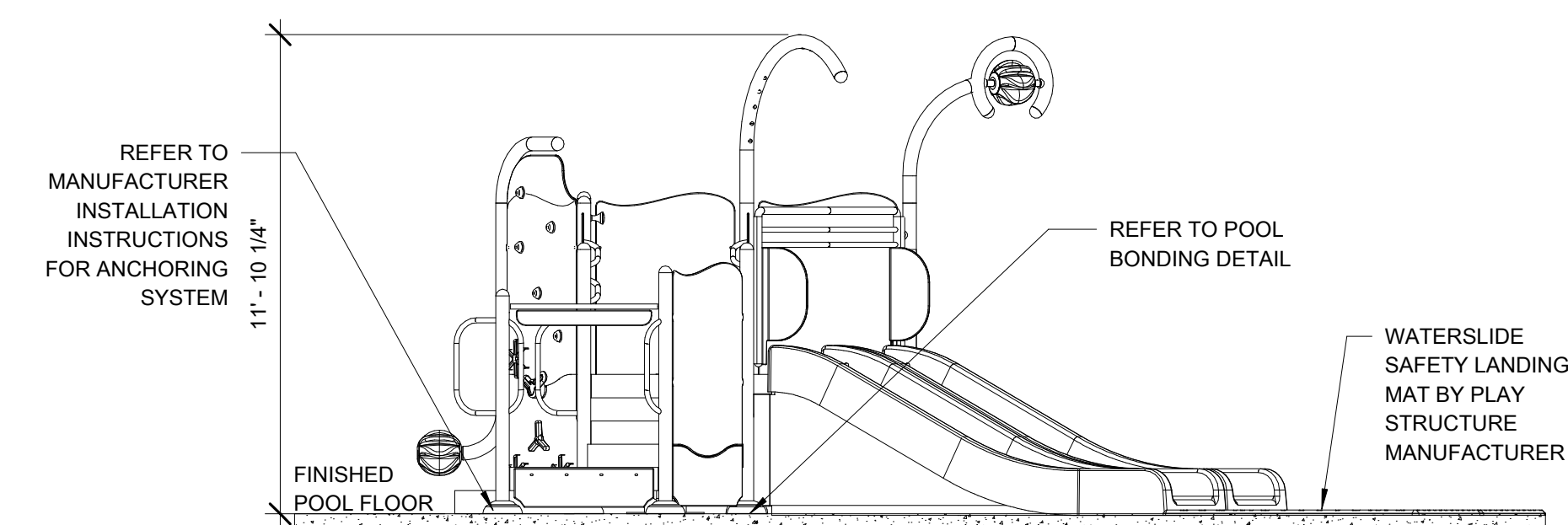
④ WATER JELLY
1/2" = 1'-0"



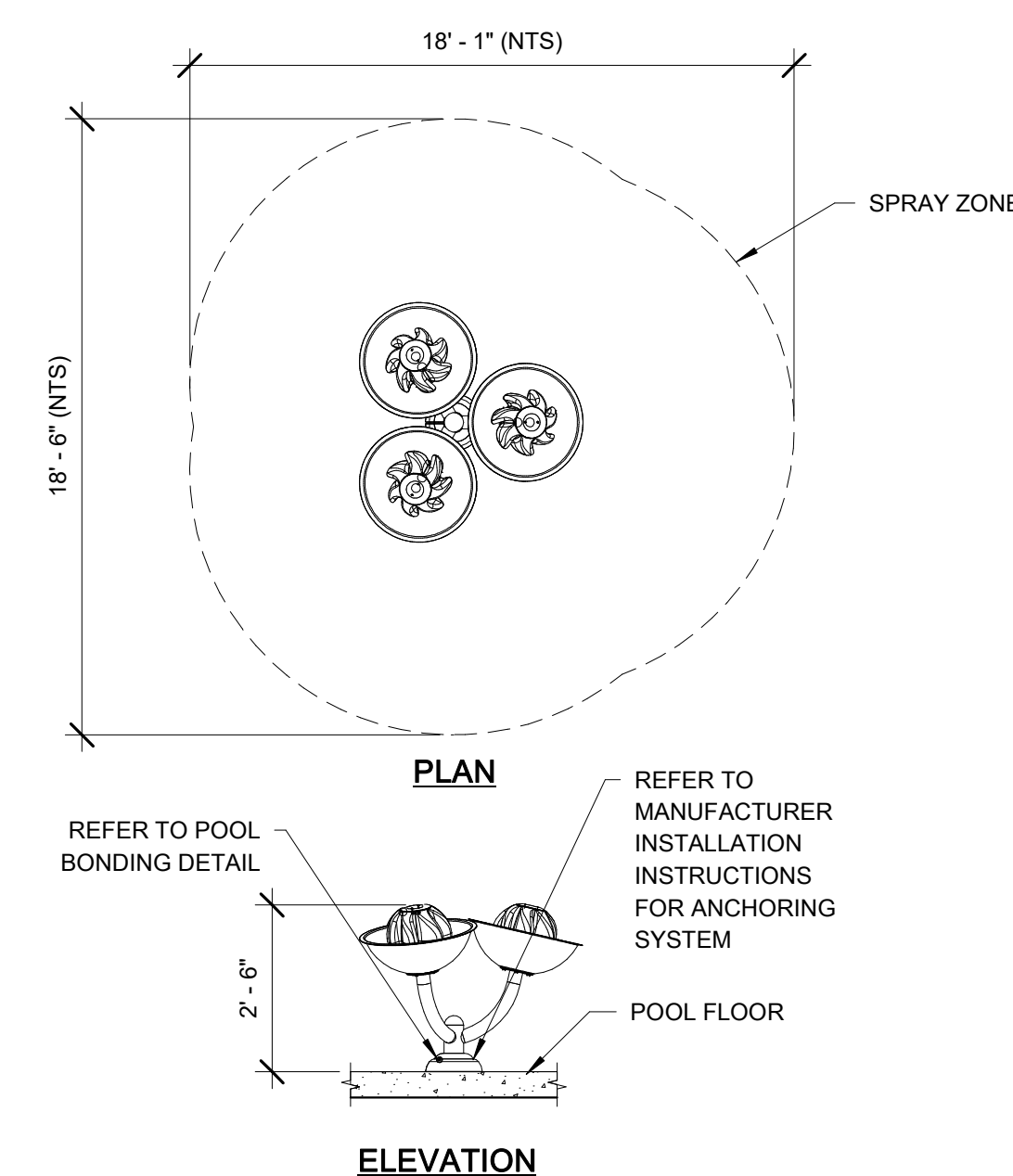
⑤ WATER TUNNEL
1/4" = 1'-0"



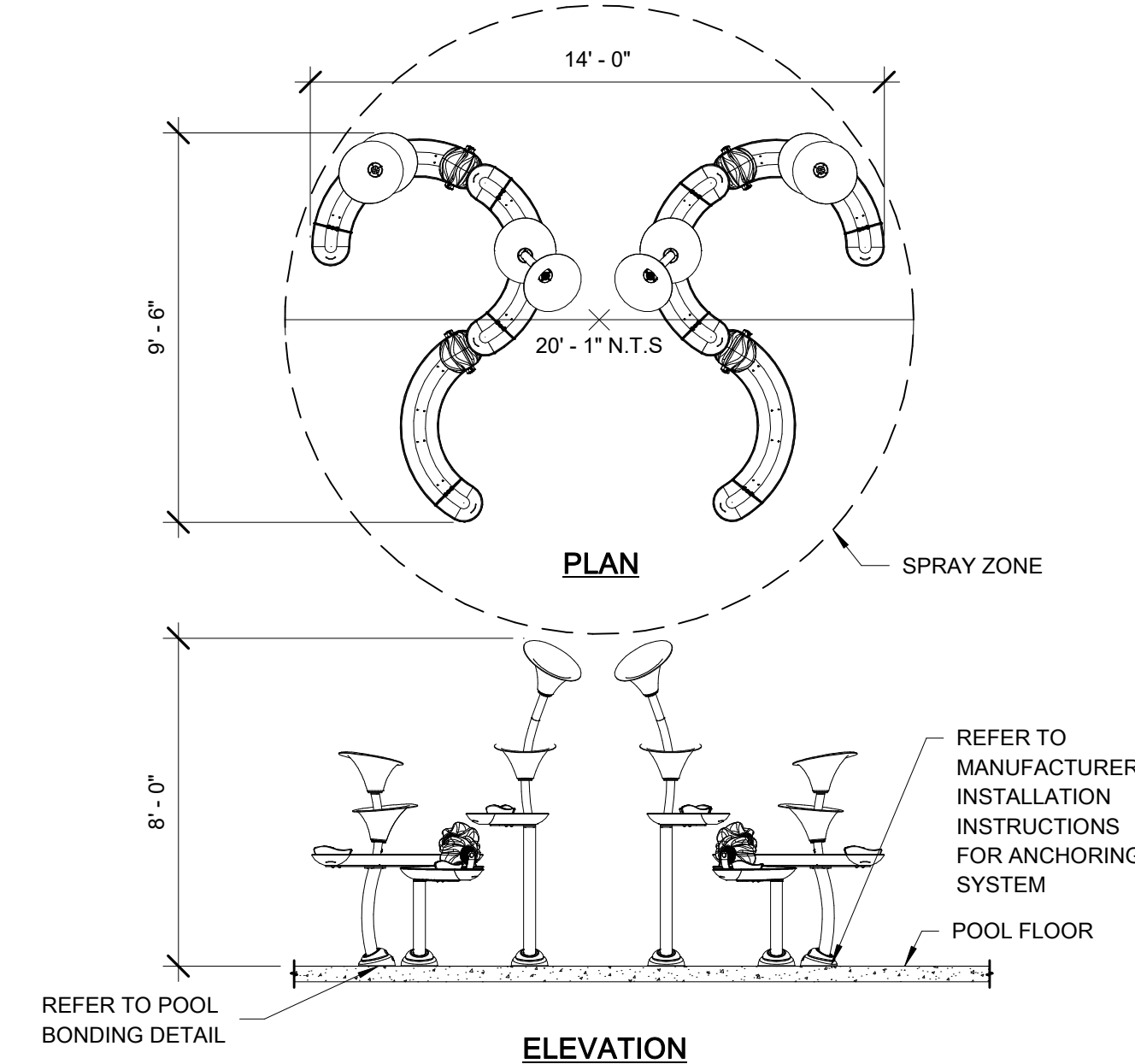
⑥ SCR/SCL 701 NOSING TILE
N.T.S.



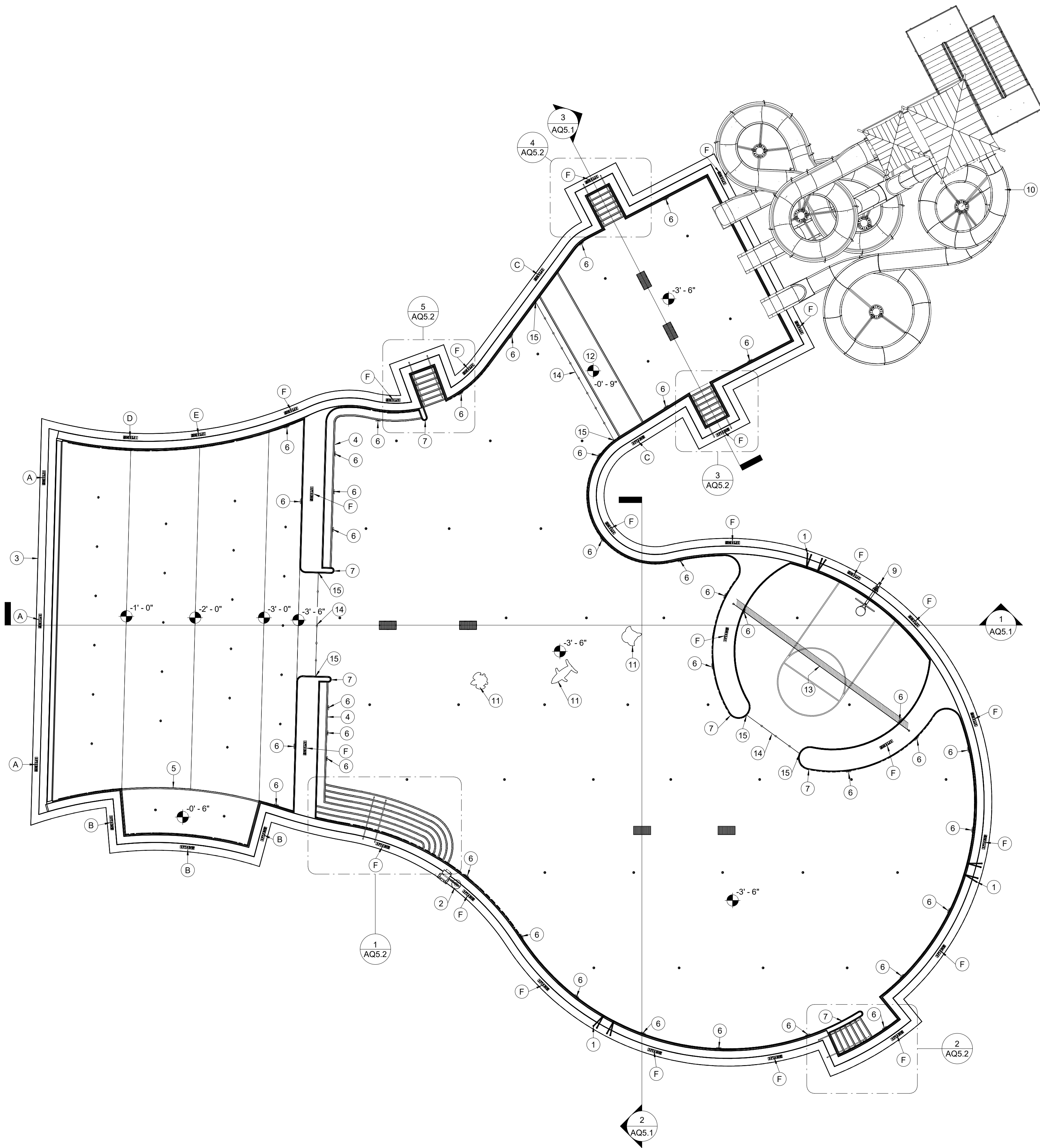
1 PLAY NUK NO.3 PLAY STRUCTURE ELEVATION
1/4" = 1'-0"



② BOBBLE NO.2
3/8" = 1'-0"



③ CASCADE RAINFOREST
1/4" = 1'-0"



DEPTH AND WARNING SIGNAGE SCHEDULE	
ID	SIGNAGE
(A)	0 FT 0 IN
(B)	0 FT 6 IN
(C)	0 FT 9 IN
(D)	1 FT 0 IN
(E)	2 FT 0 IN
(F)	3 FT 6 IN

NOTES:
REFER: 2 / AQ5.4 FOR DETAIL.

EQUIPMENT SCHEDULE	
ID	ITEM
(1)	GRAB RAILS & RECESSED STEPS REFER: 5 / AQ5.4
(2)	POOL LIFT & ANCHOR REFER: 6 / AQ5.4
(3)	ZERO ENTRY REFER: 8 / AQ5.3
(4)	UNDERWATER BENCH REFER: 5 / AQ5.3
(5)	UNDERWATER SHELF REFER: 6 / AQ5.3
(6)	UNDERWATER LIGHT REFER: 4 / AQ5.4 & 3 / AQ5.5
(7)	WING WALL REFER: 4 / AQ5.3
(8)	POOL COVE REFER: 3 / AQ5.3
(9)	WATER BASKETBALL GOAL (OWNER PROVIDED) & ANCHOR REFER: 8 / AQ5.4
(10)	WATERSLIDE REFER: 1 / AQ5.6
(11)	FLOATABLE FEATURE (OWNER PROVIDED) & ANCHOR REFER: 2 / AQ5.5
(12)	LIFEGUARD SHELF REFER: 1 / AQ5.5
(13)	WATER VOLLEYBALL STANCHION POST (OWNER PROVIDED) & ANCHOR REFER: 7 / AQ5.4
(14)	SAFETY ROPE (OWNER PROVIDED)
(15)	SAFETY ROPE CUP ANCHOR REFER: 1 / AQ5.3



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400 S. Heincke Road
Miamisburg, 45342

ISSUANCES

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	01/17/25
1	CONFORMED SET	03/14/25

Drawn By

TCH

Checked By

MJM

Client Number

948

Project Number

7383

DRAWING TITLE

LEISURE POOL PLAN

SHEET NO.

AQ5.0

ISSUED FOR CONSTRUCTION



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TCH

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MJM

Client

Number

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Project

Number

7383

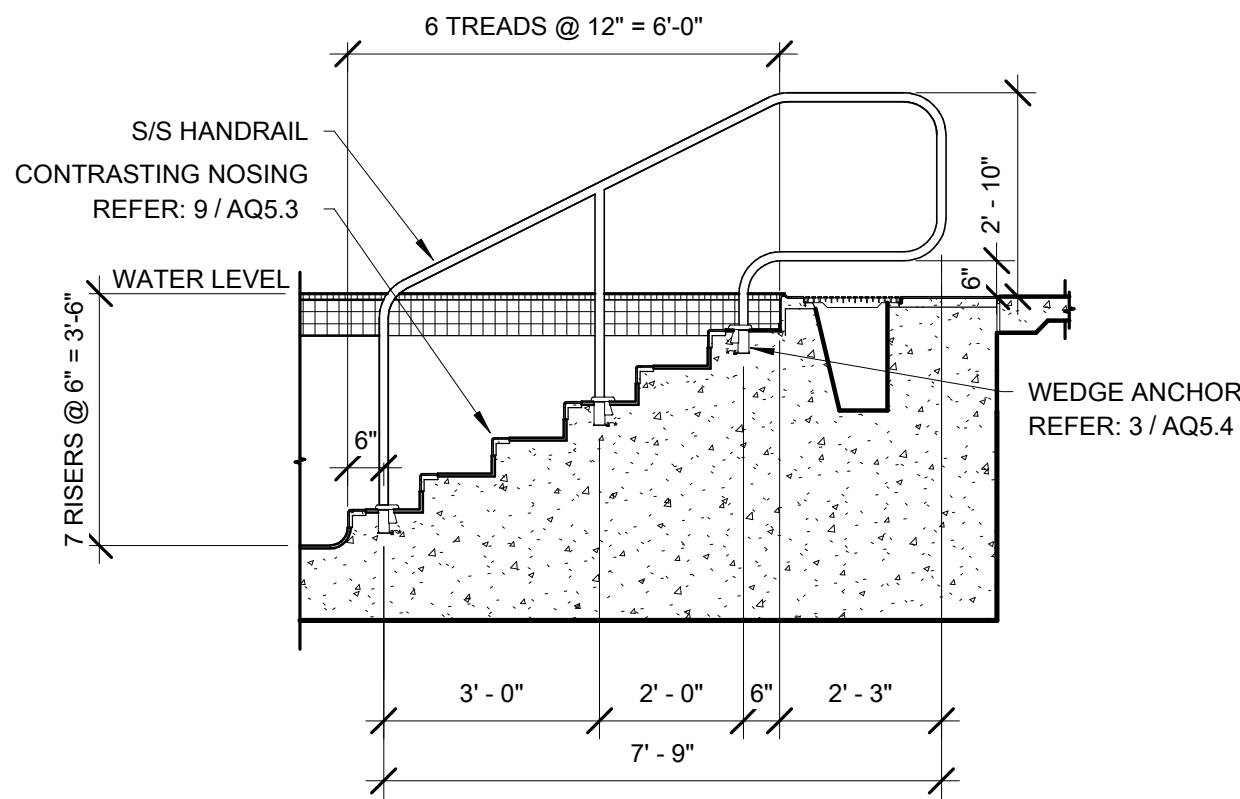
DRAWING TITLE

LEISURE POOL
DETAILS

SHEET NO.

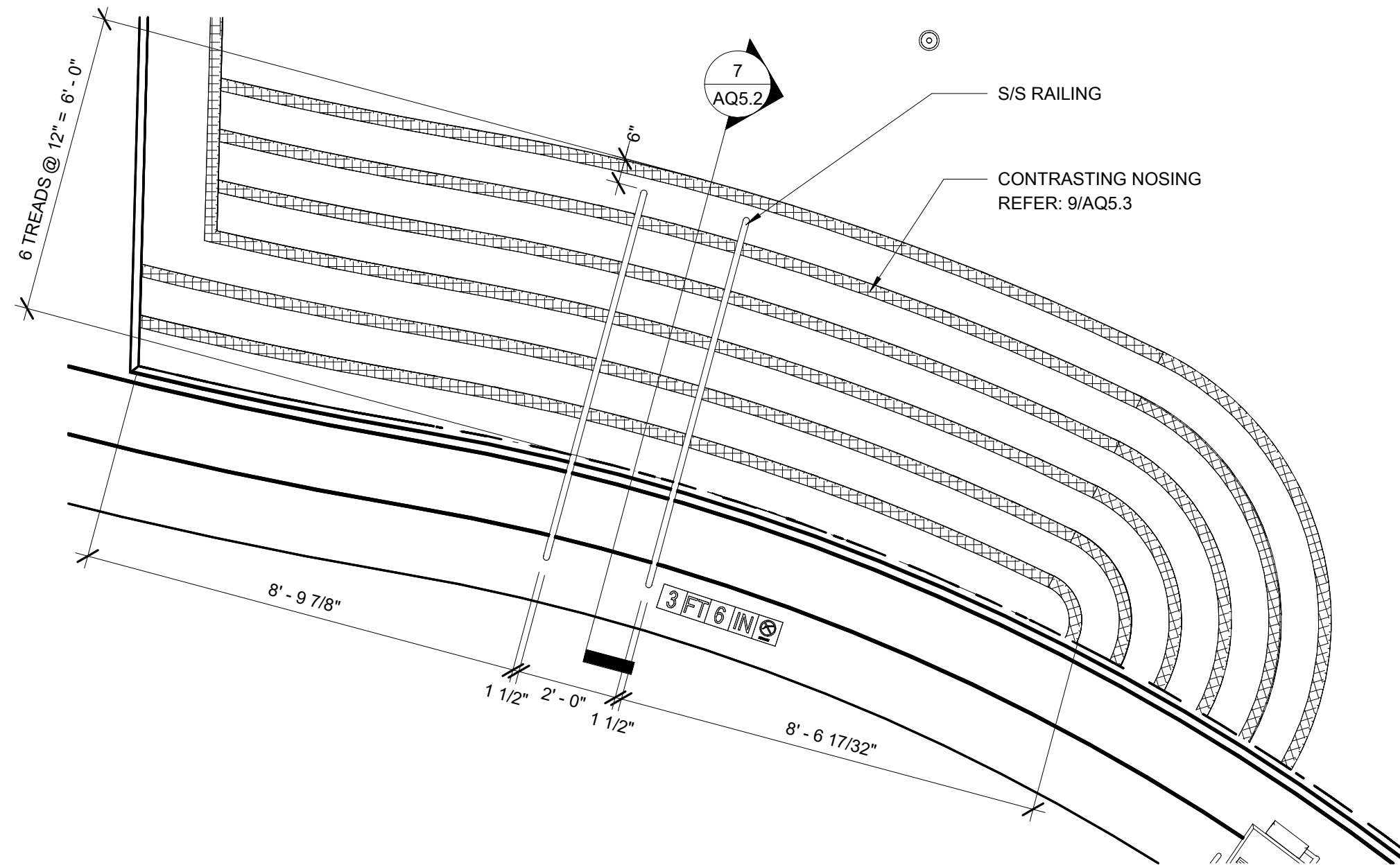
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3/13/2025 8:19:57 AM

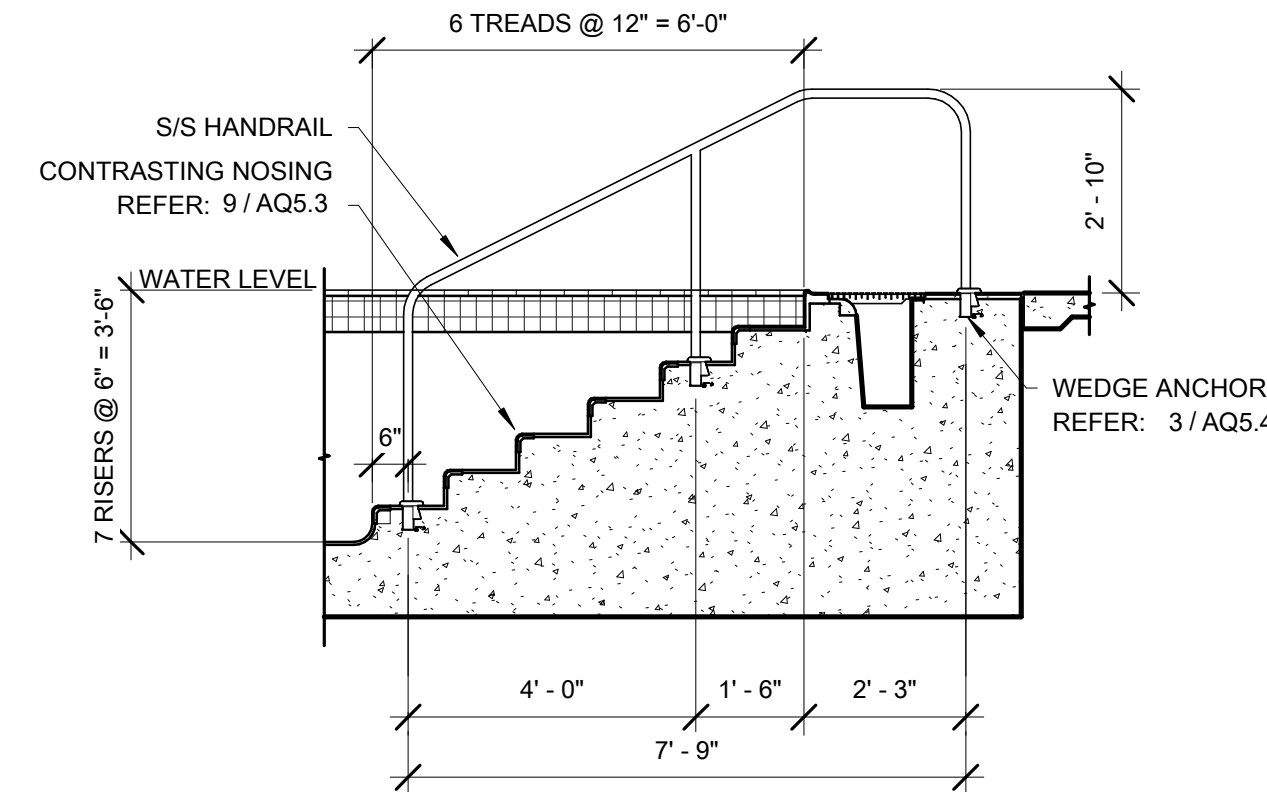


NOTE:
LOCATE HANDRAILS TO PROVIDE A MIN. 2 1/4" CLEARANCE BETWEEN
HANDRAIL GRIPPING SURFACE AND ALL ADJACENT STRUCTURES.

6 STAIR SECTION
3/8" = 1'-0"

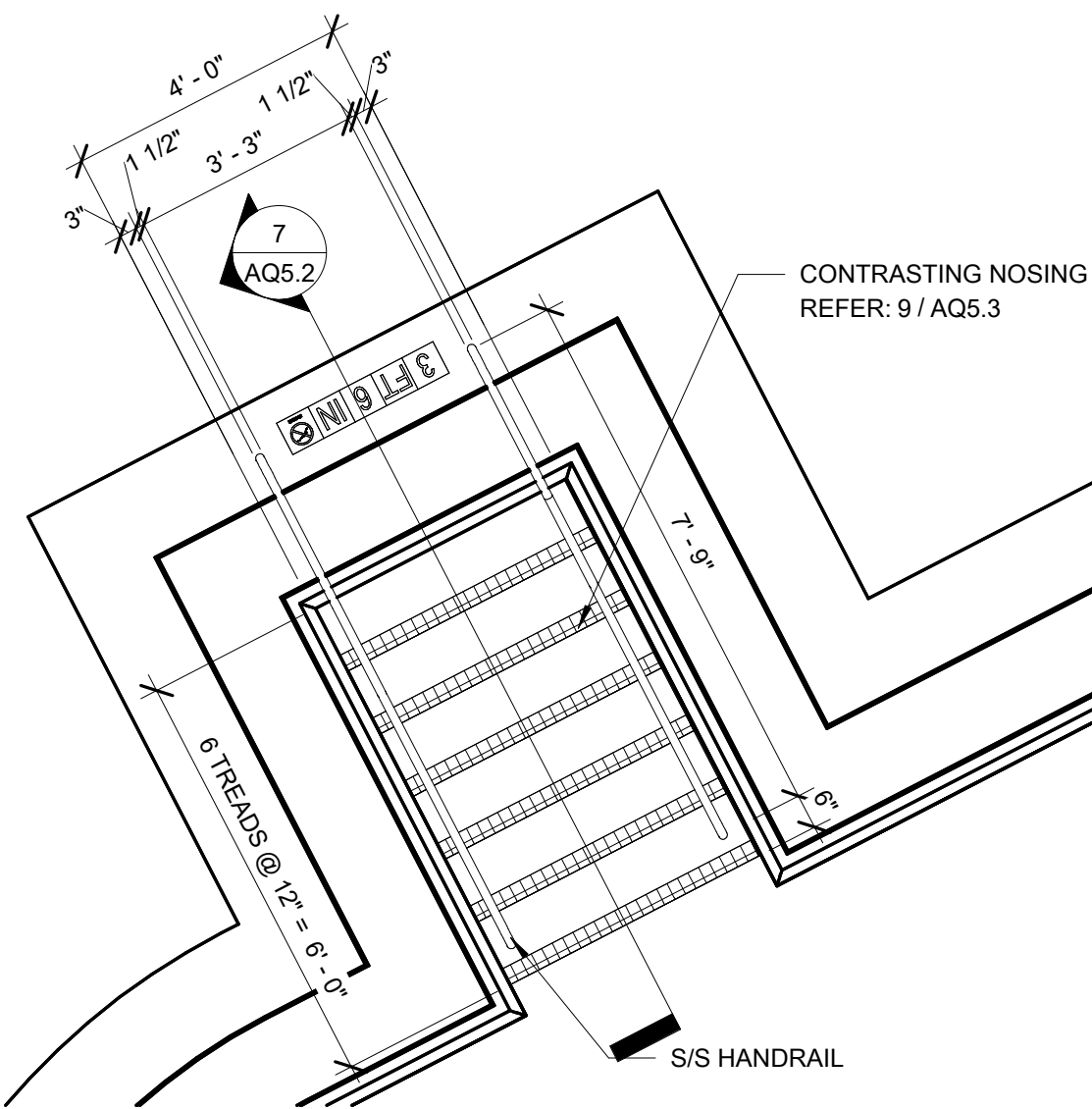


1 ENLARGED STAIR PLAN
3/8" = 1'-0"

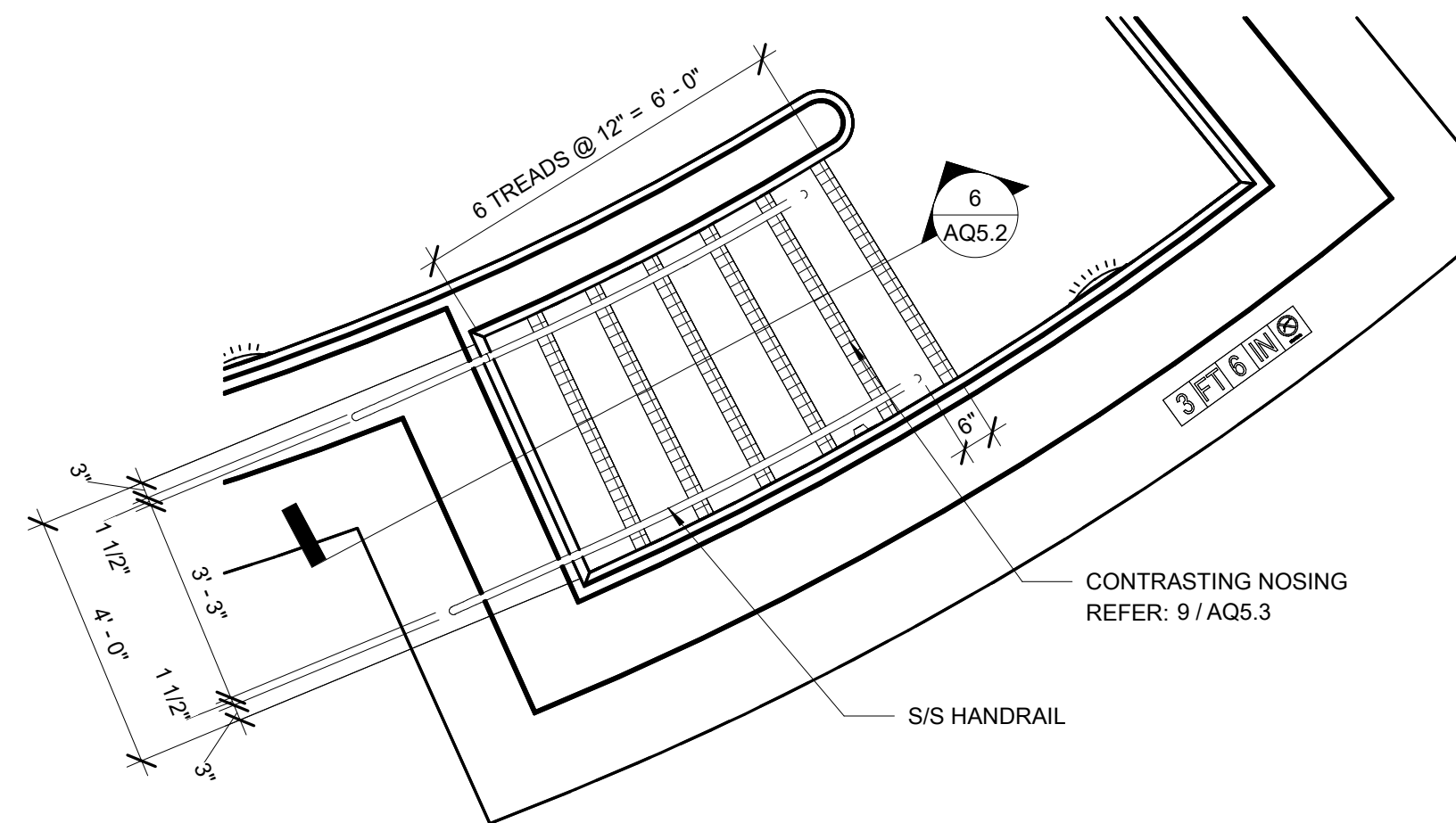


NOTE:
LOCATE HANDRAILS TO PROVIDE A MIN. 2 1/4" CLEARANCE BETWEEN
HANDRAIL GRIPPING SURFACE AND ALL ADJACENT STRUCTURES.

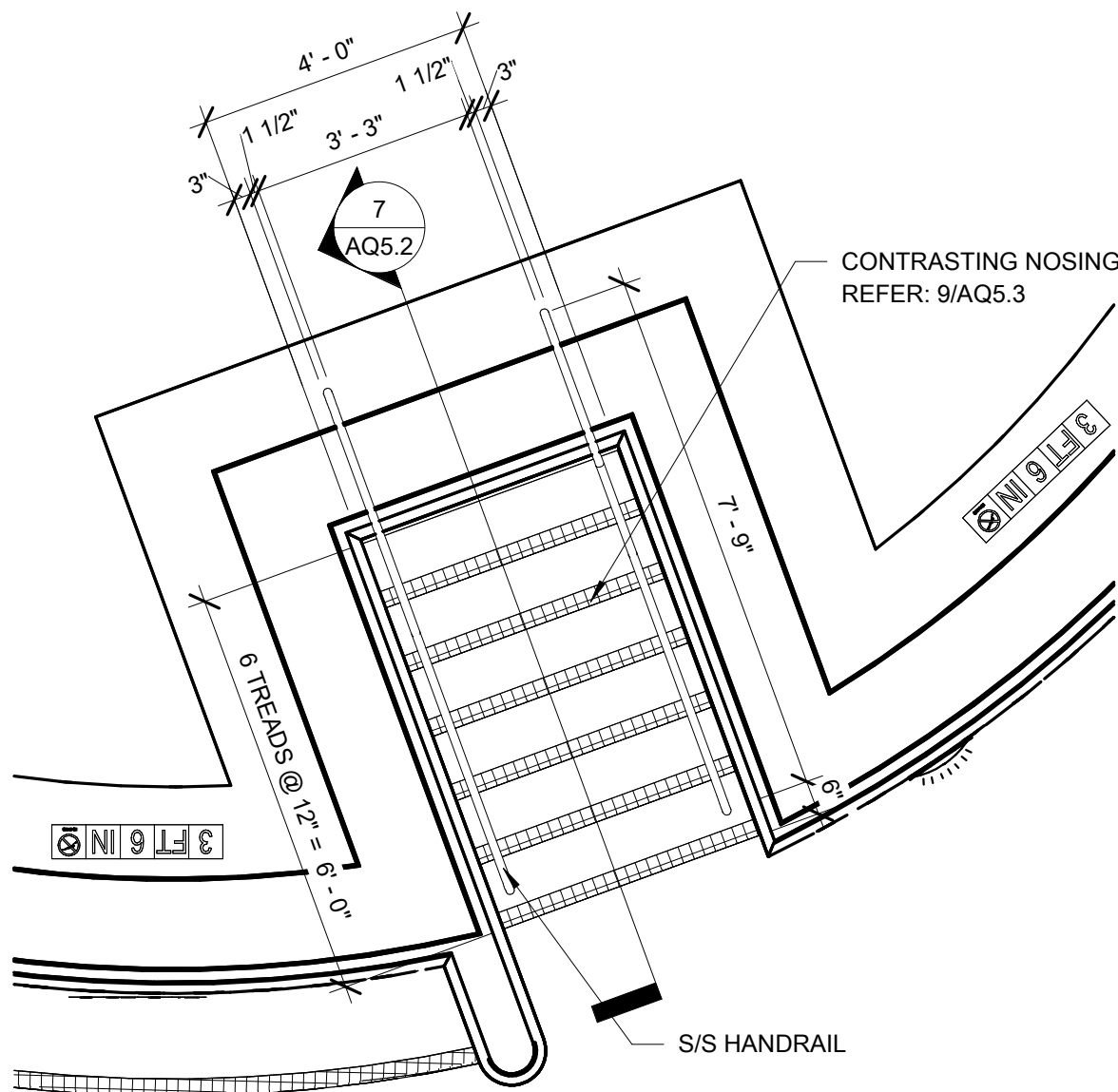
7 STAIR SECTION
3/8" = 1'-0"



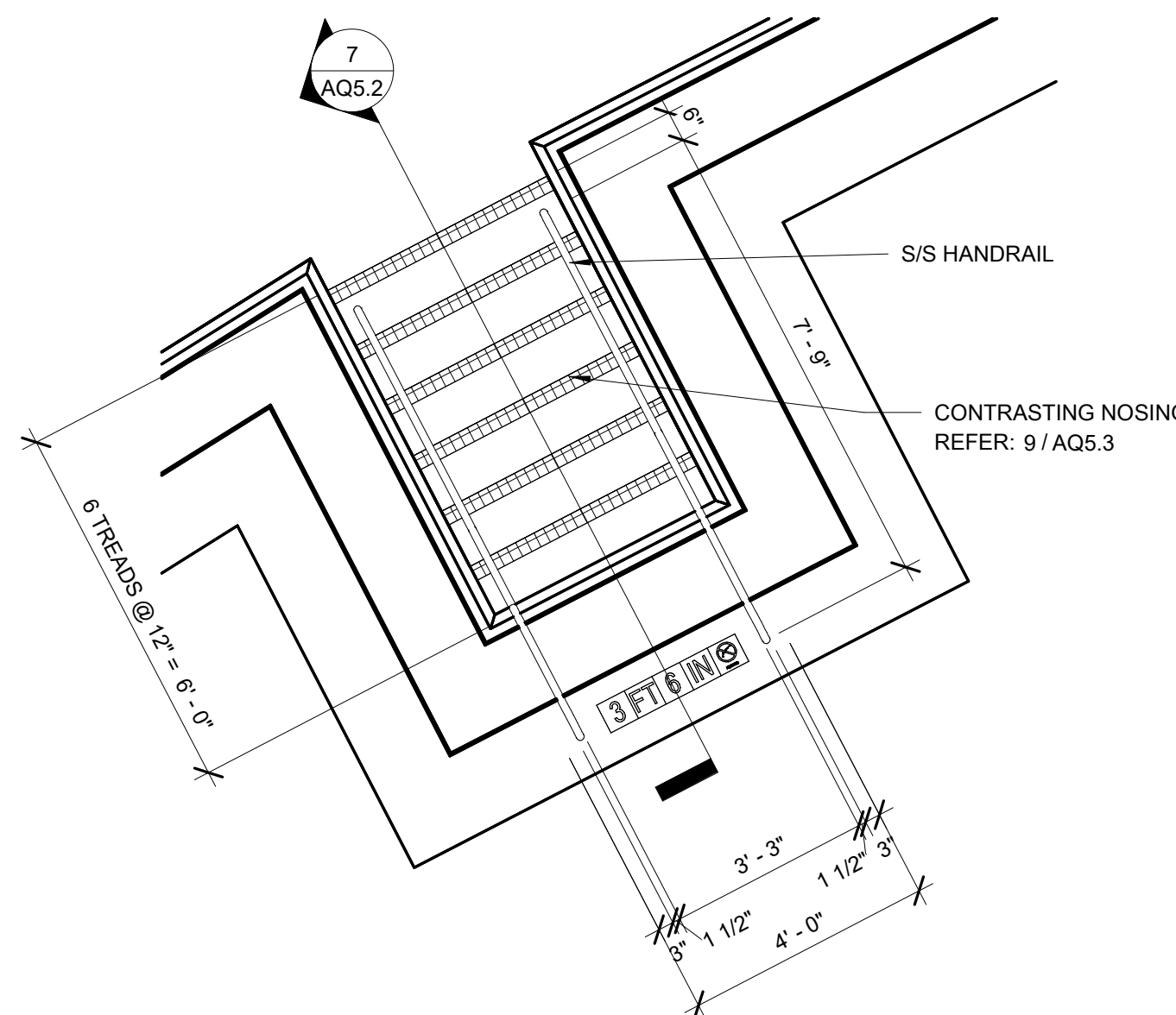
4 ENLARGED STAIR PLAN
3/8" = 1'-0"



2 ENLARGED STAIR PLAN
3/8" = 1'-0"

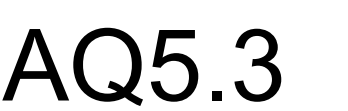
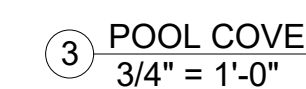
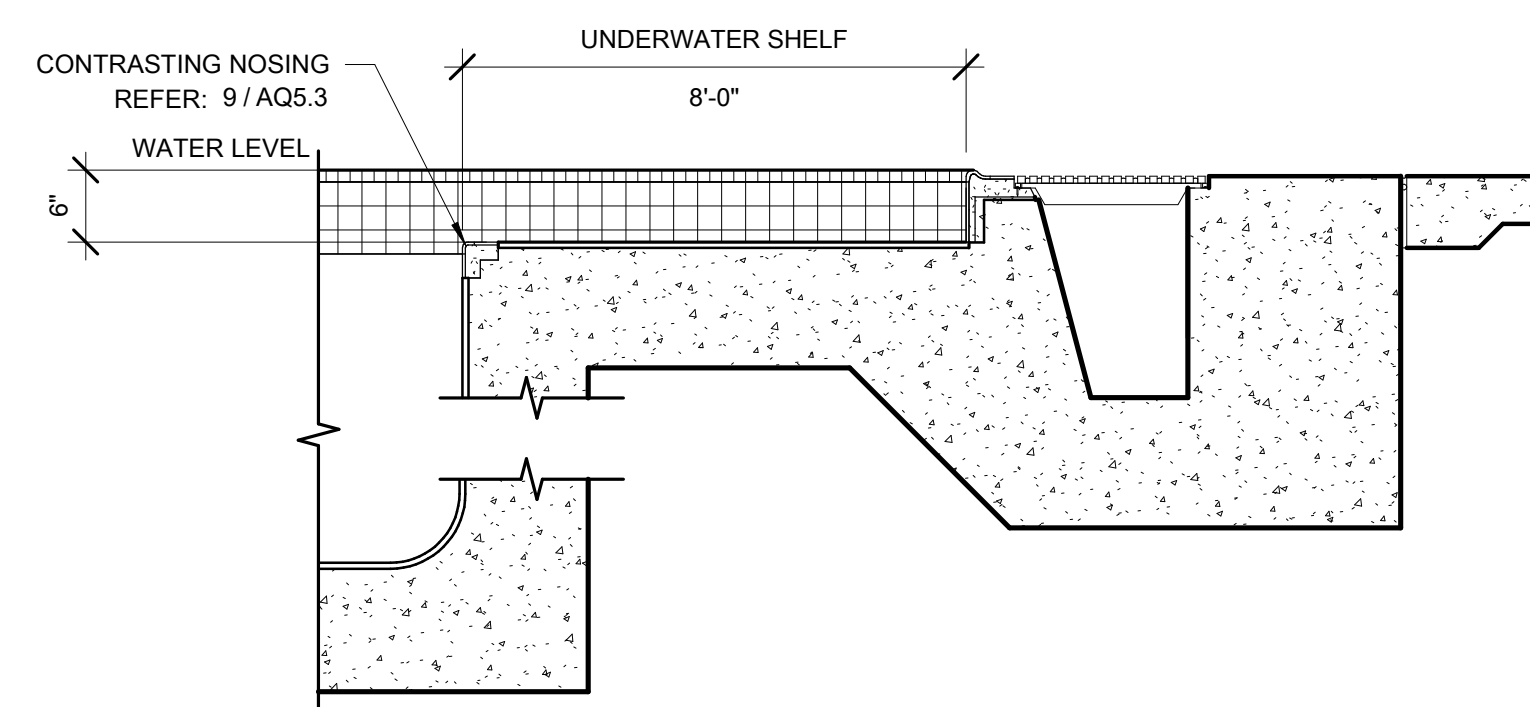
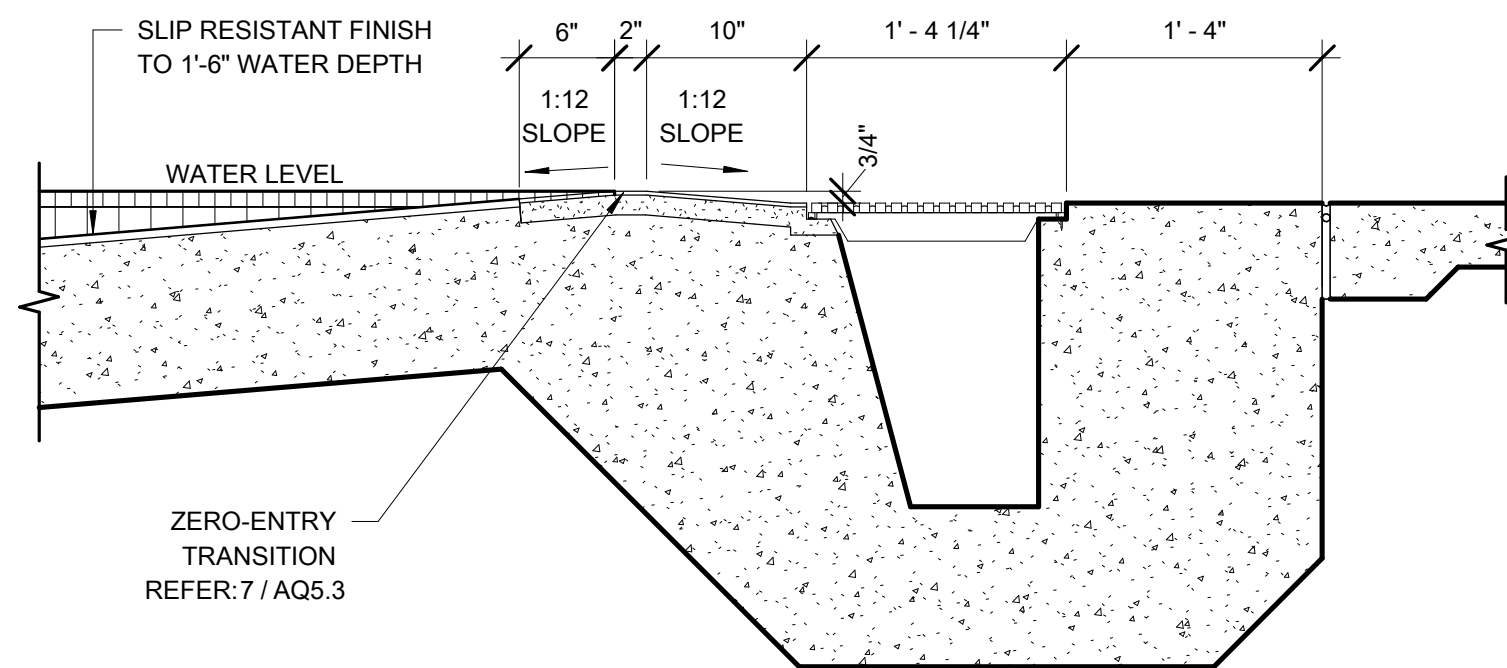
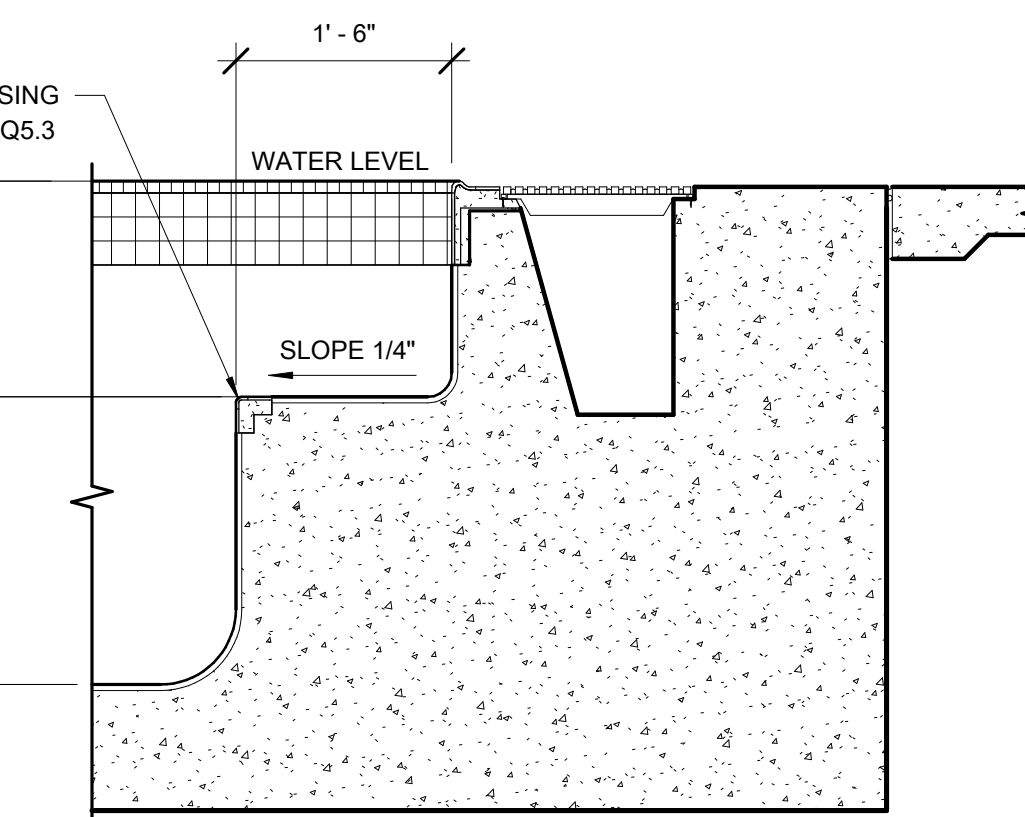
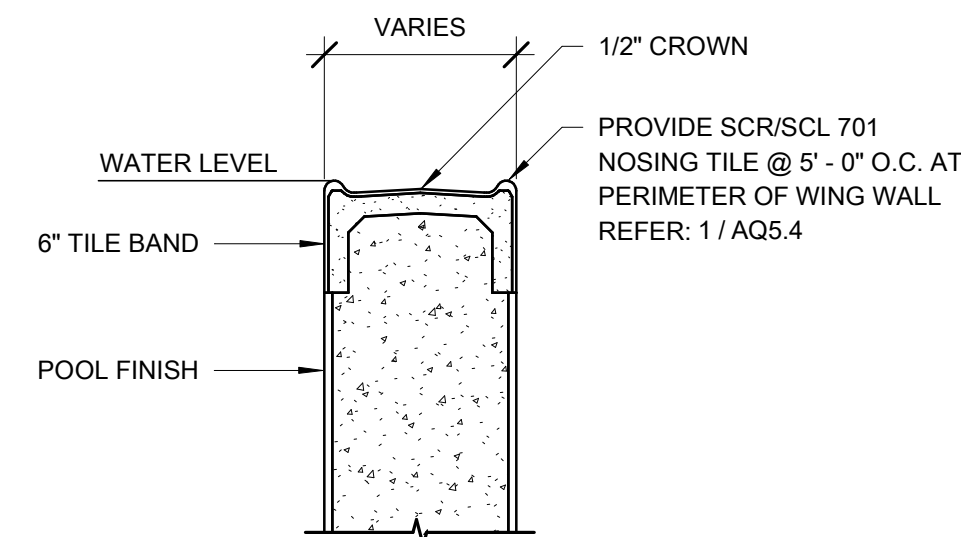


5 ENLARGED STAIR PLAN
3/8" = 1'-0"



3 ENLARGED STAIR PLAN
3/8" = 1'-0"

ISSUED FOR CONSTRUCTION

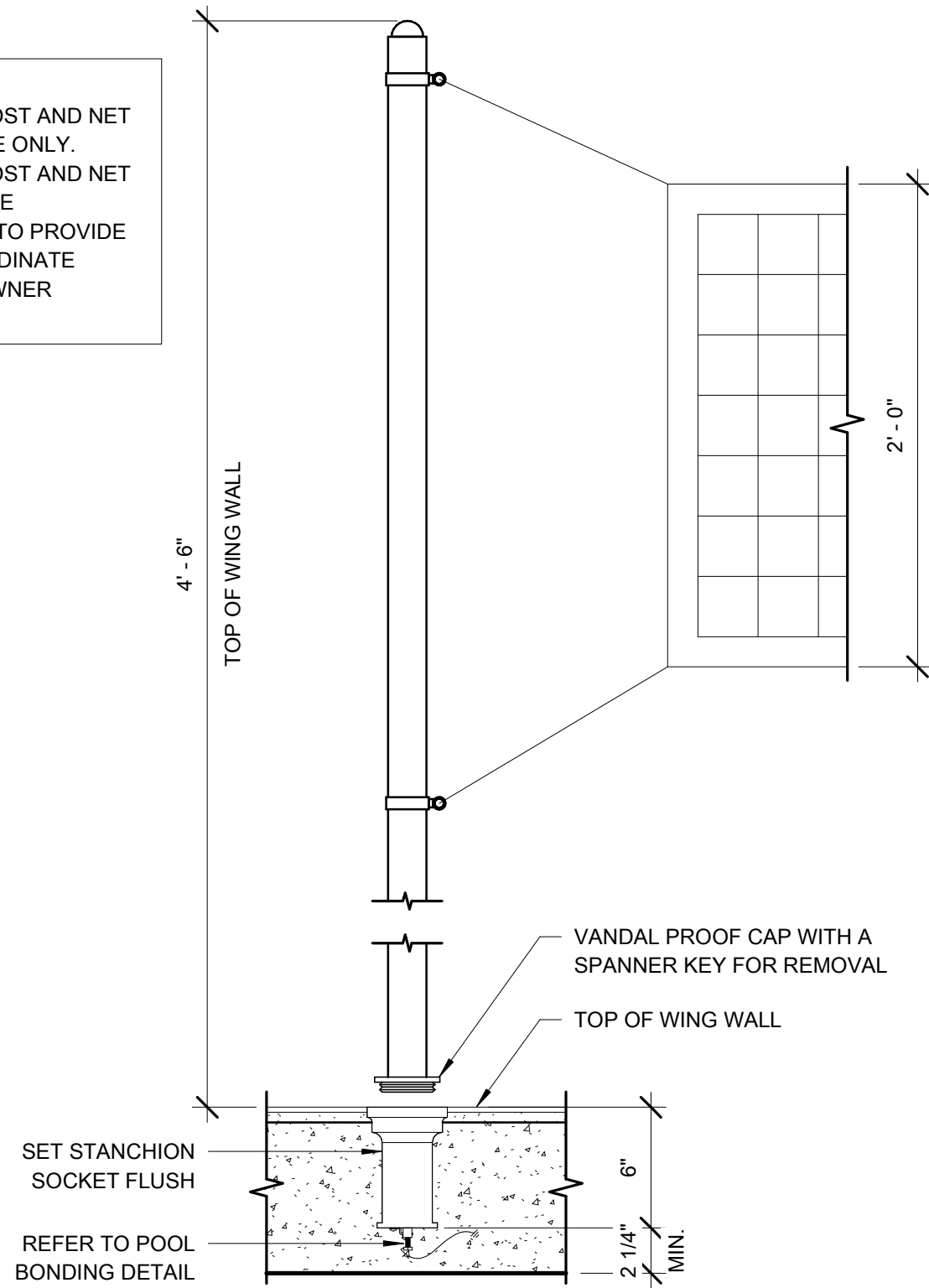


ISSUED FOR CONSTRUCTION

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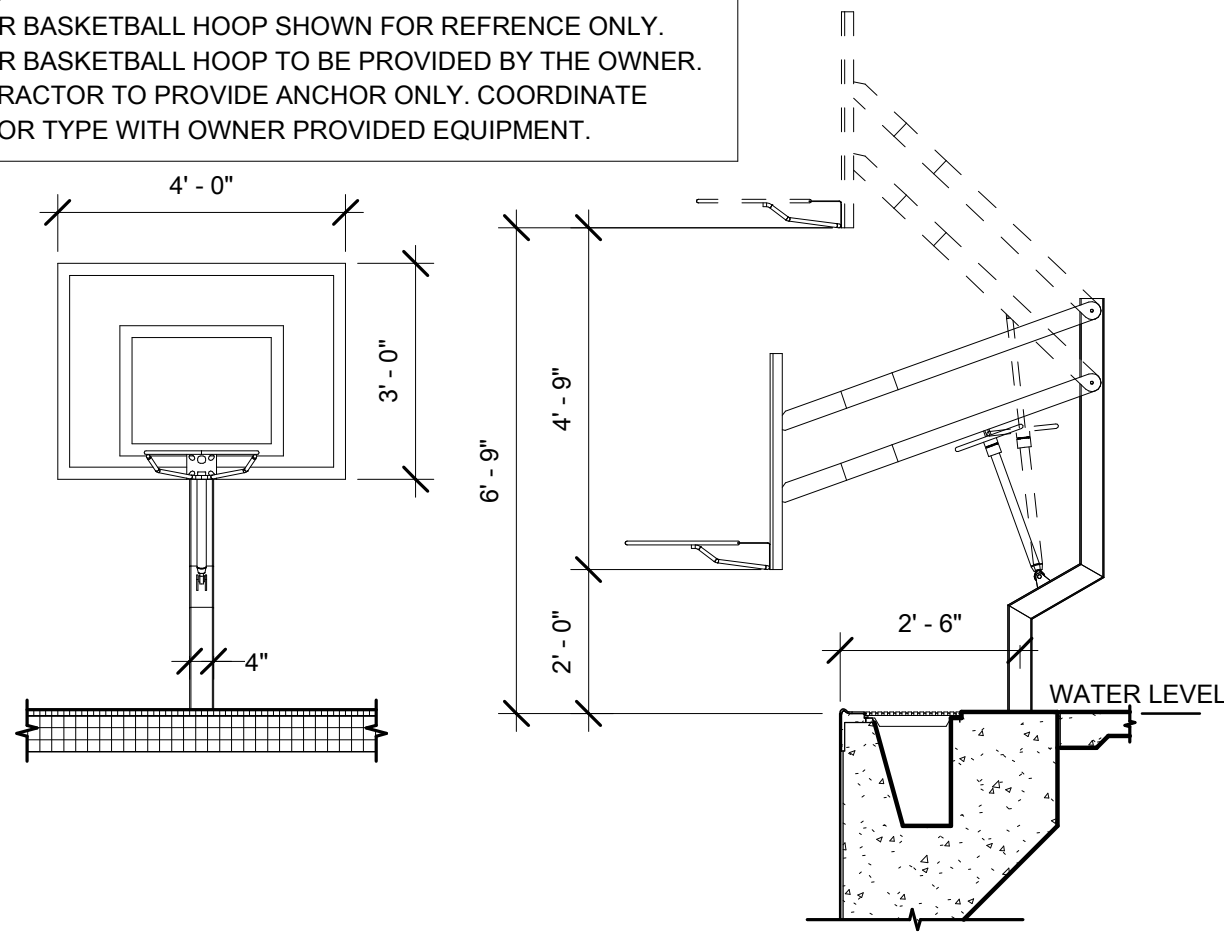
3/13/2025 8:19:58 AM

NOTE:
WATER VOLLEYBALL POST AND NET
SHOWN FOR REFERENCE ONLY.
WATER VOLLEYBALL POST AND NET
TO BE PROVIDED BY THE
OWNER. CONTRACTOR TO PROVIDE
ANCHORS ONLY. COORDINATE
ANCHOR TYPE WITH OWNER
PROVIDED EQUIPMENT.



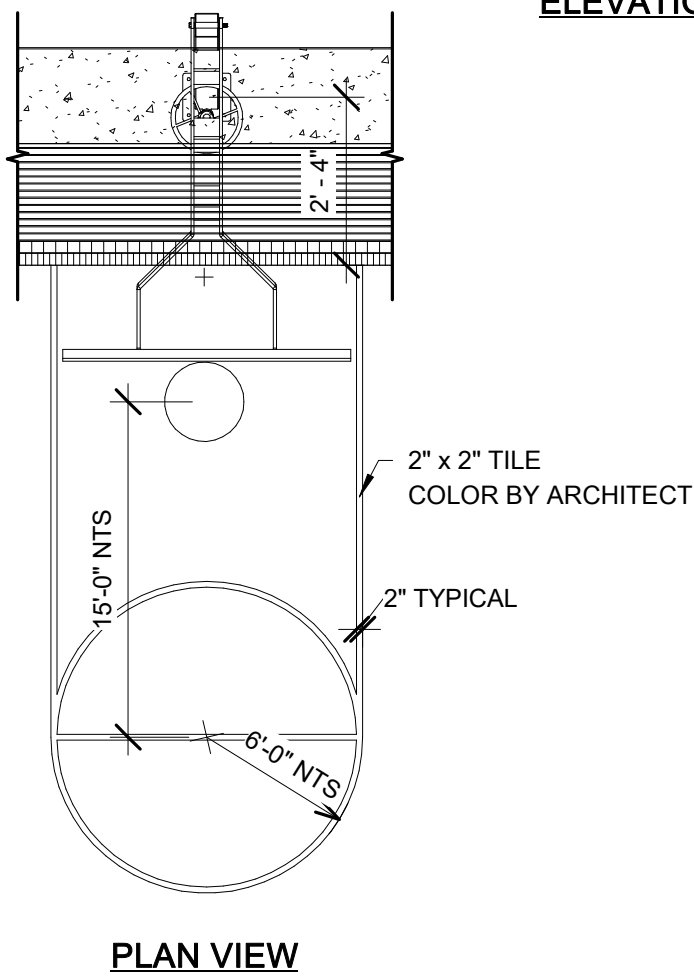
7 WATER VOLLEYBALL STANCHION POST & ANCHOR
1 1/2" = 1'-0"

NOTE:
WATER BASKETBALL HOOP SHOWN FOR REFERENCE ONLY.
WATER BASKETBALL HOOP TO BE PROVIDED BY THE OWNER.
CONTRACTOR TO PROVIDE ANCHOR ONLY. COORDINATE
ANCHOR TYPE WITH OWNER PROVIDED EQUIPMENT.



FRONT
ELEVATION

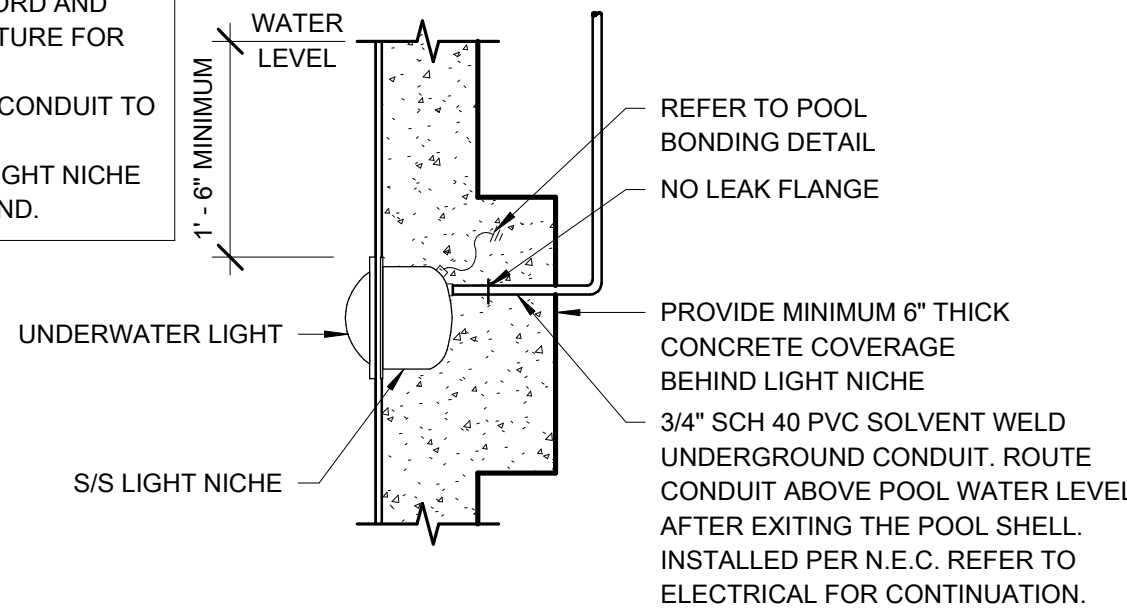
SIDE
ELEVATION



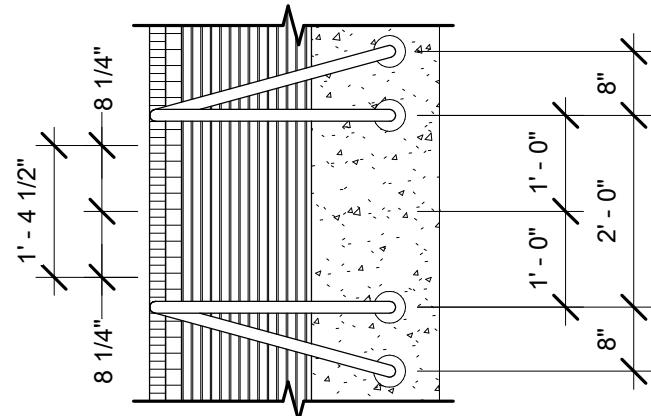
PLAN VIEW

8 WATER BASKETBALL GOAL
3/8" = 1'-0"

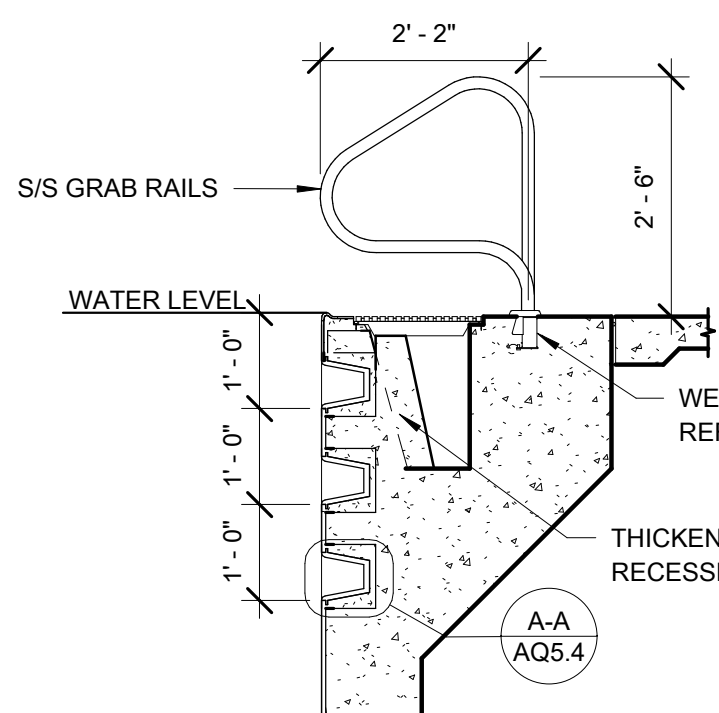
NOTE:
1. PROVIDE SUFFICIENT CORD AND
COIL AROUND LIGHT FIXTURE FOR
DECK RELAMPING.
2. PROVIDE WATER TIGHT CONDUIT TO
JUNCTION BOX.
3. SEAL CONDUIT INSIDE LIGHT NICHE
WITH POTTING COMPOUND.



4 UNDERWATER LIGHT
3/4" = 1'-0"

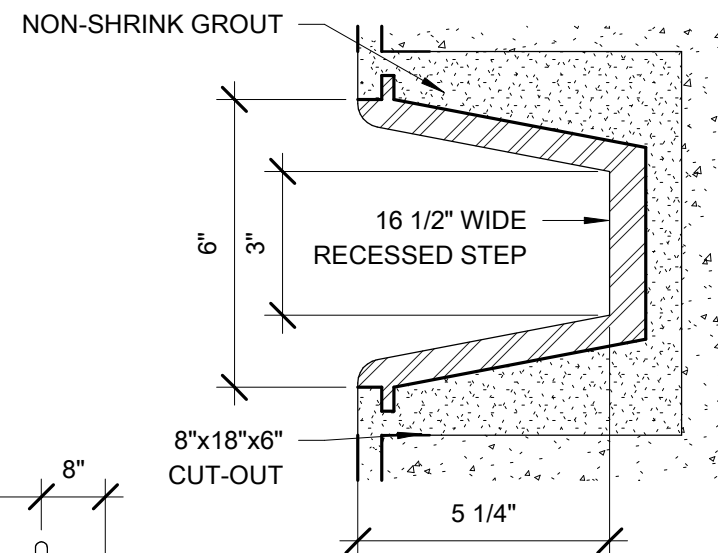


PLAN



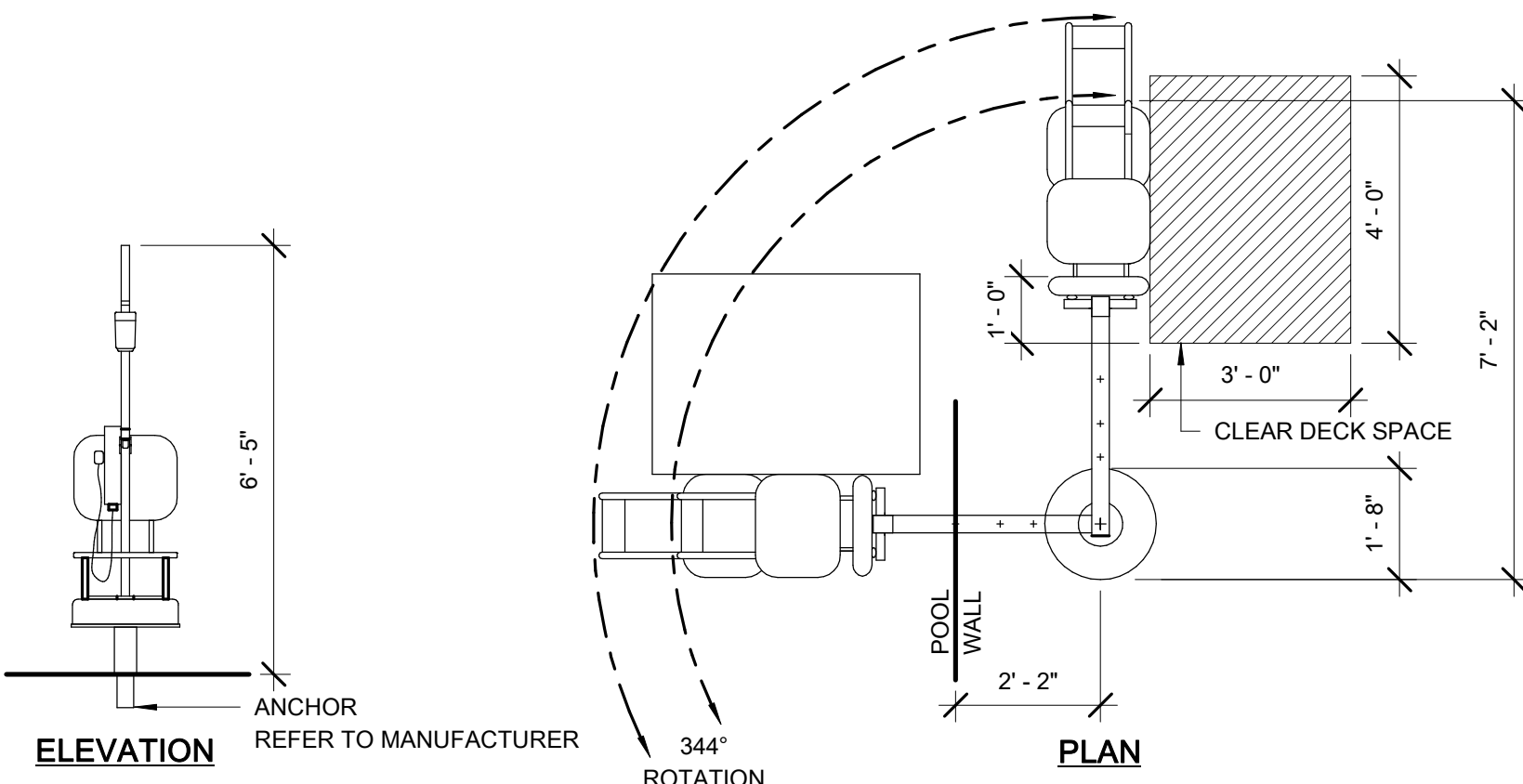
SECTION

5 GRAB RAILS & RECESSED STEPS
1/2" = 1'-0"



DETAIL A-A
3" = 1'-0"

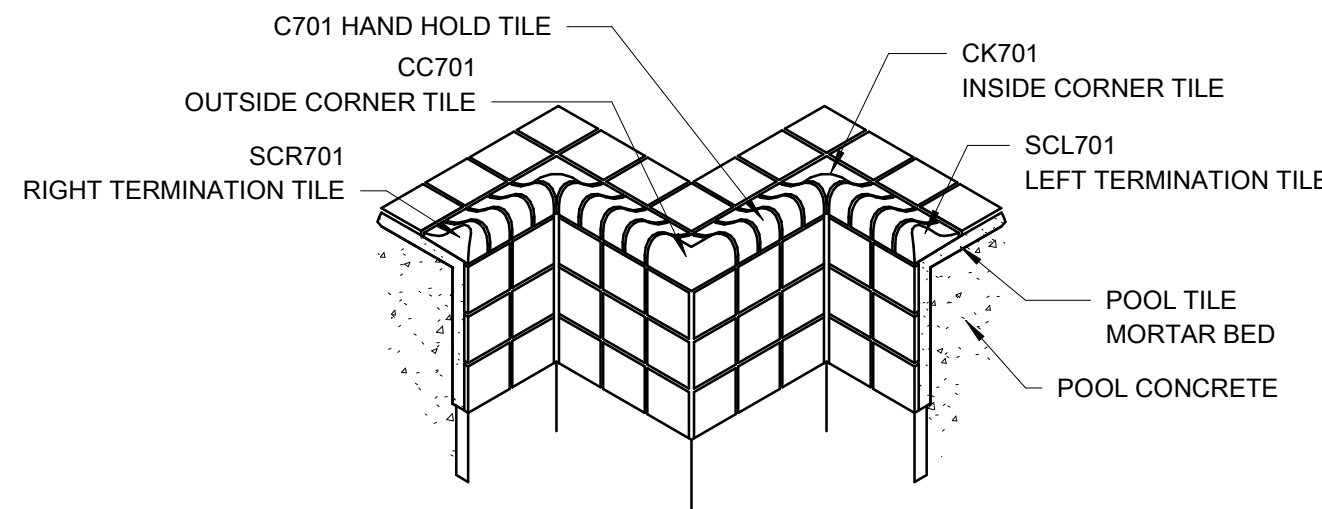
ELEVATION



ELEVATION

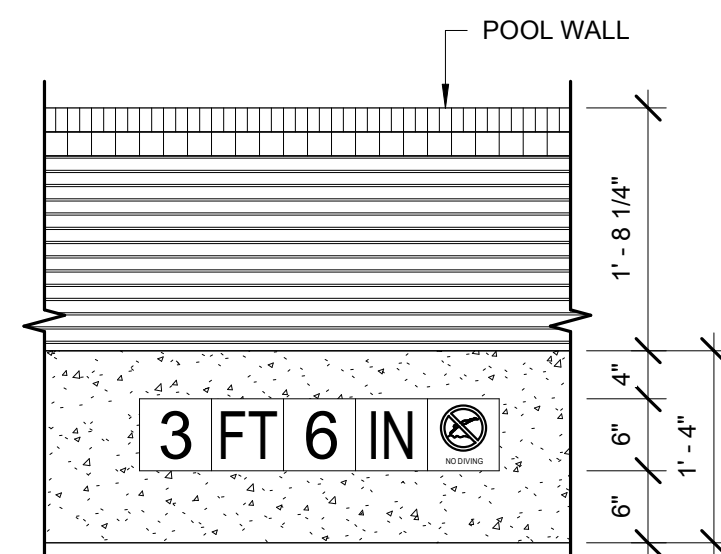
PLAN

6 POOL LIFT
3/8" = 1'-0"

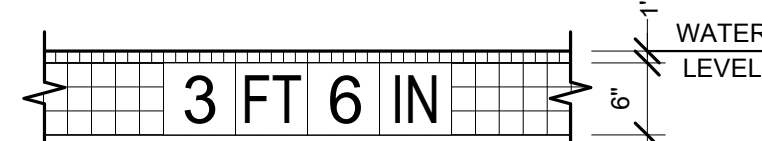


NOTE:
LOCATE PAIRS OF SCL/SCR 701
@ 5'-0" O.C. AT PERIMETER OF
WING WALL.

1 SCR/SCL 701 NOSING TILE
N.T.S.



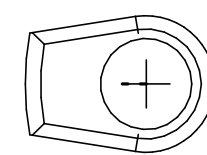
DEPTH MARKER & WARNING SIGN PLAN



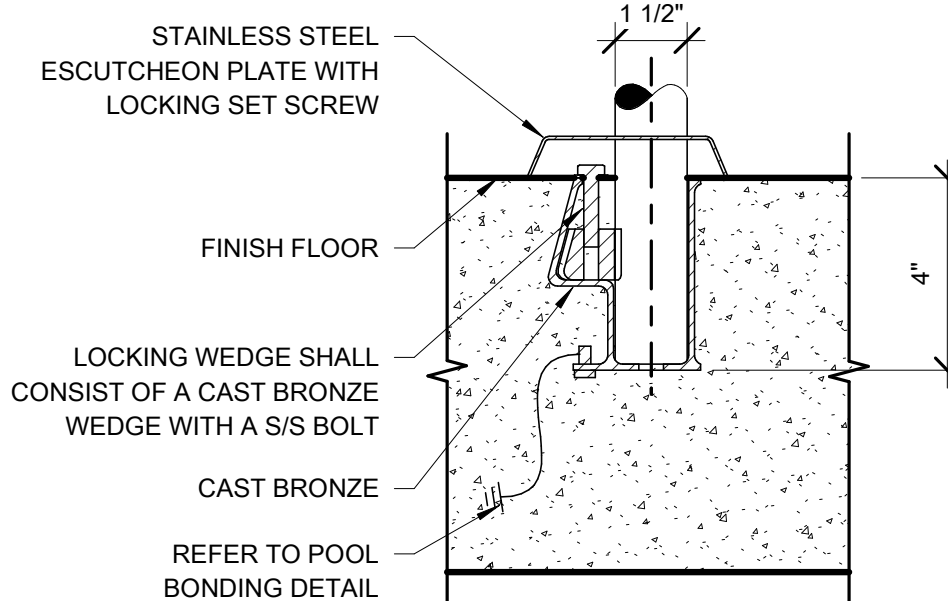
DEPTH MARKER ELEVATION

NOTE:
1. DEPTH MARKERS AND WARNING SIGNS MUST BE PROVIDED AS 6"x6" TILES WITH
MINIMUM 4" TALL CONTRASTING LETTERS AND NUMBERS. COLOR BY ARCHITECT.
2. PROVIDE NO DIVING WARNING SIGNS WITH 6"x6" TILE DISPLAYING
INTERNATIONAL NO DIVING SYMBOL.
3. ALL HORIZONTAL TILE INSTALLATIONS MUST HAVE A SLIP RESISTANT FINISH. ALL
VERTICAL TILE INSTALLATIONS MUST HAVE A SMOOTH GLAZED FINISH.
4. CONTRACTOR TO FIELD CUT 6"x6" TILE TO FIT IN ALL 6" WATER DEPTH AREAS.
REFER TO SPECIFICATIONS.

2 DEPTH MARKERS & WARNING SIGNS
3/4" = 1'-0"



PLAN



SECTION

3 WEDGE ANCHOR
3" = 1'-0"



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ISSUANCES

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1	CONFORMED SET	03/14/25

Drawn By

TCH

Checked By

MJM

Client

Number

948

Project

Number

7383

DRAWING TITLE

LEISURE POOL
DETAILS

SHEET NO.

AQ5.4

ISSUED FOR CONSTRUCTION



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Center

400 S. Heincke Road
Miamisburg, 45342

ISSUANCES

[illegible]

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Client Number 041

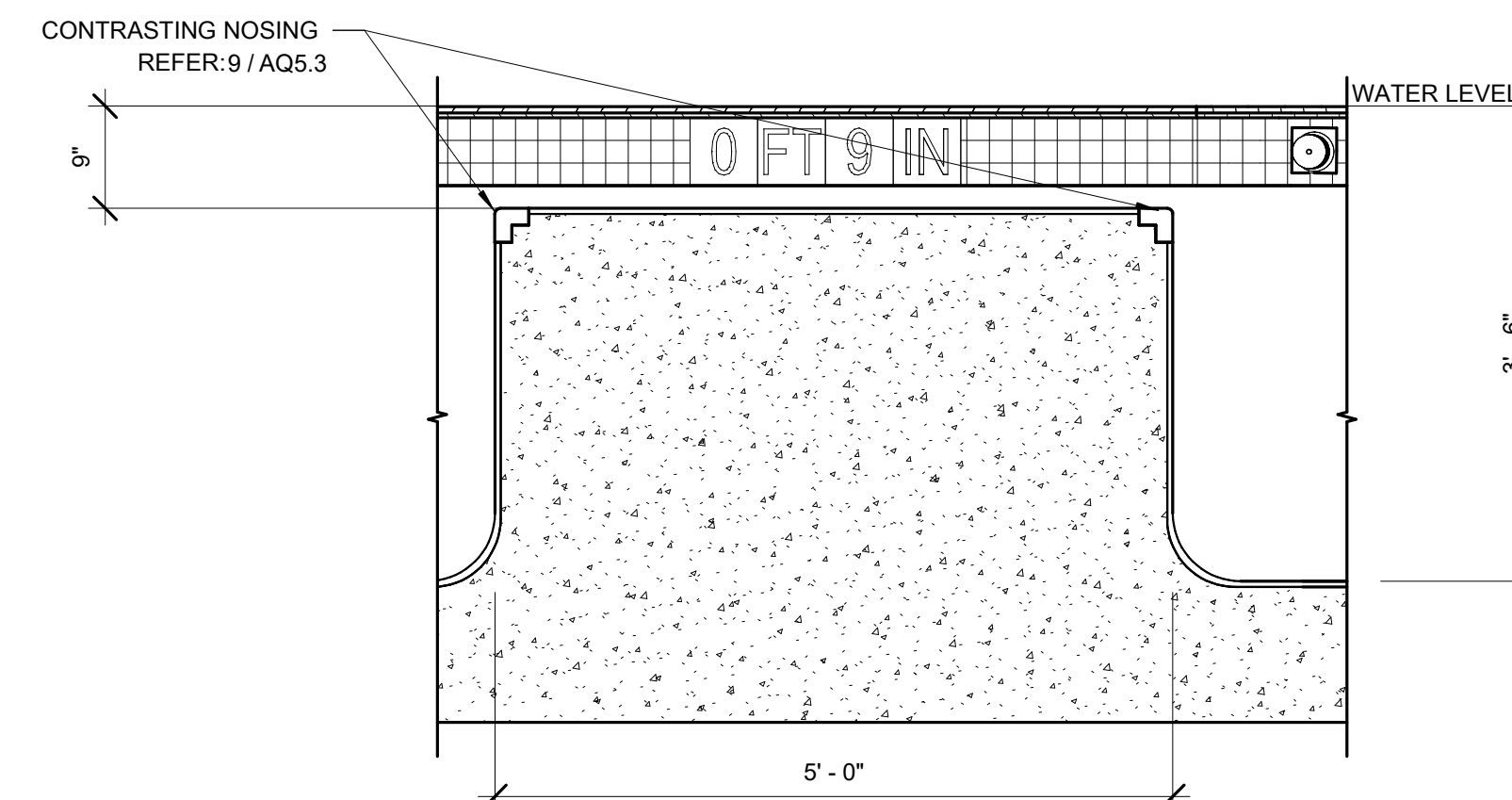
Project Number	738.
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DRAWING TITLE

LEISURE POOL DETAILS

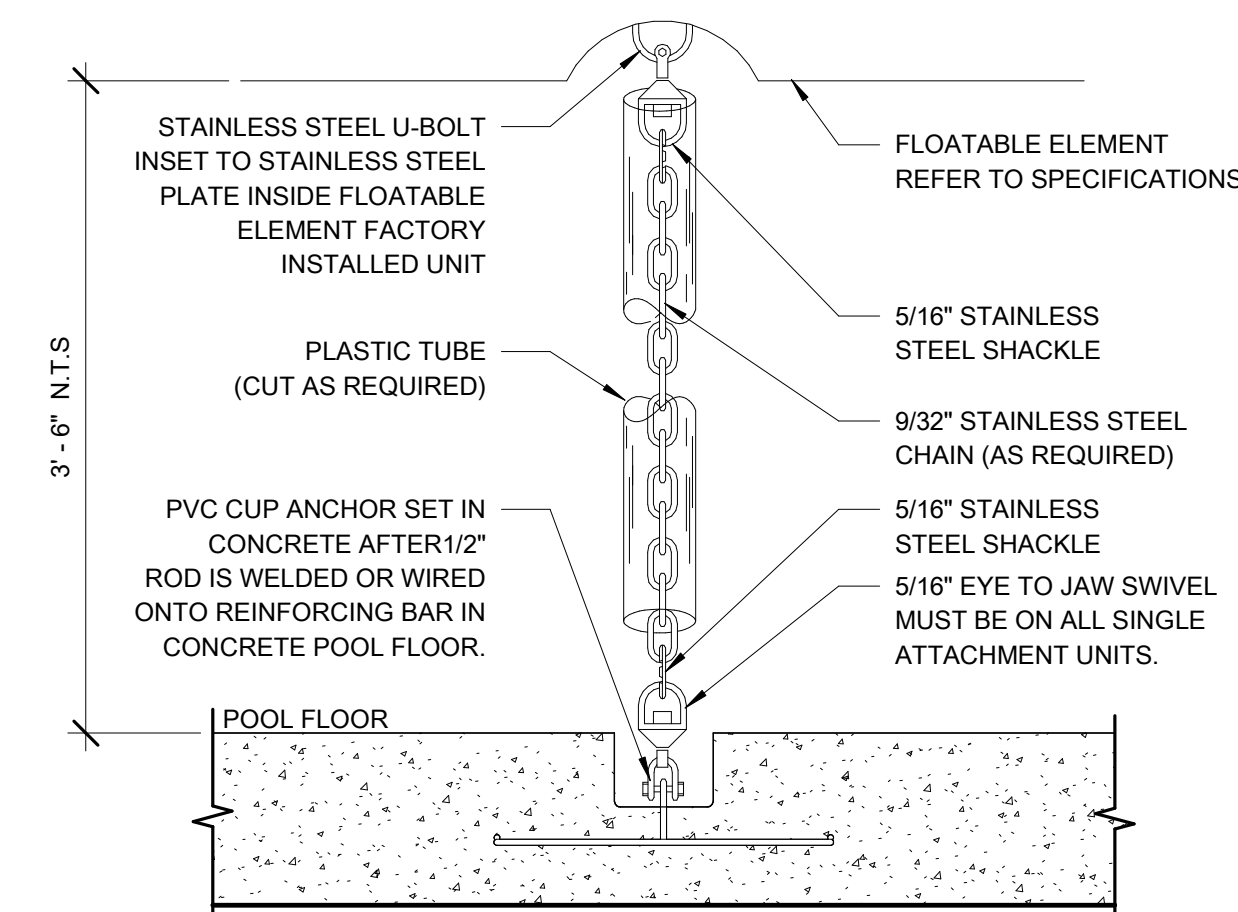
SHEET NO.

AQ5.5

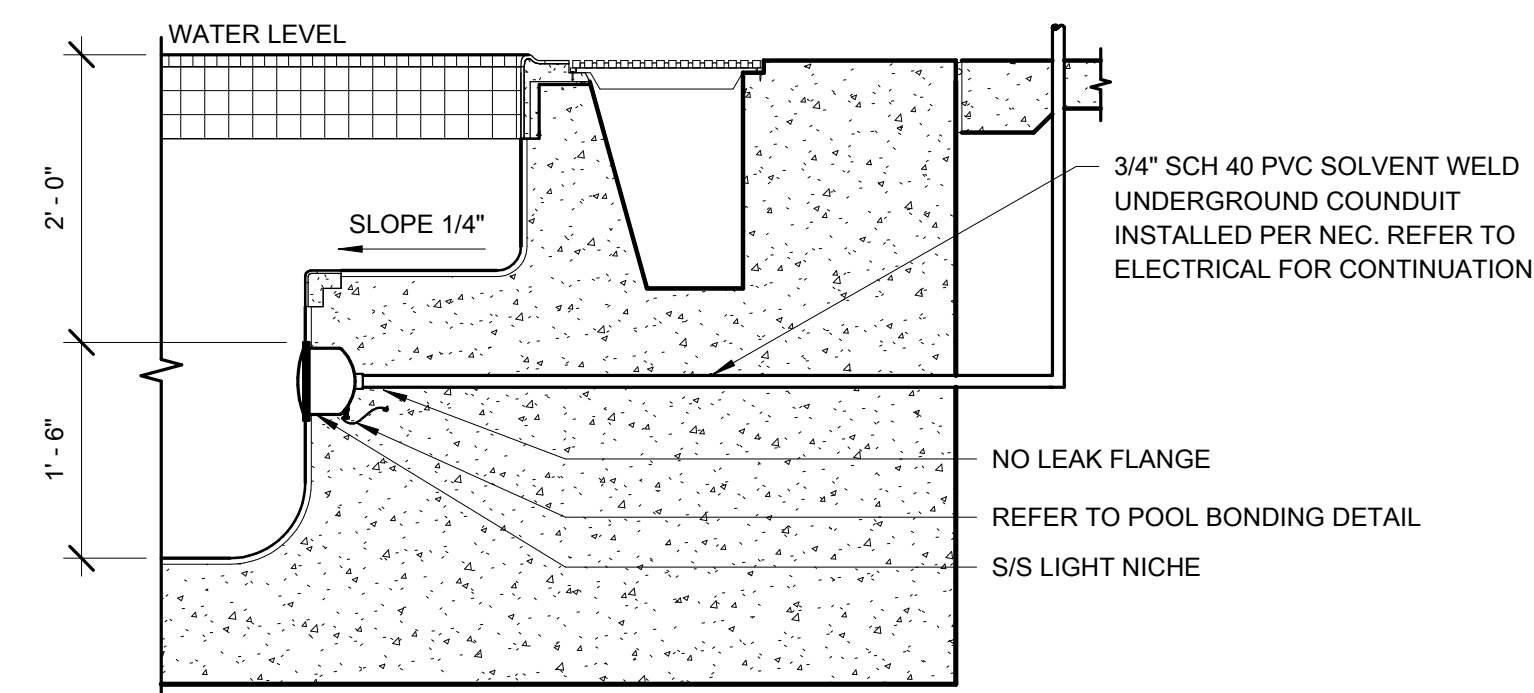


① LIFEGUARD SHELF
3/4" = 1'-0"

NOTE:
FLOATABLE FEATURES AND CHAINS SHOWN FOR REFERENCE ONLY.
FLOATABLE FEATURES AND CHAINS PROVIDED BY THE OWNER.
CONTRACTOR TO PROVIDE ANCHORS ONLY. COORDINATE ANCHOR TYPE WITH
OWNER PROVIDED EQUIPMENT.



② FLOATABLE FEATURE AND ANCHOR
1 1/2" = 1'-0"

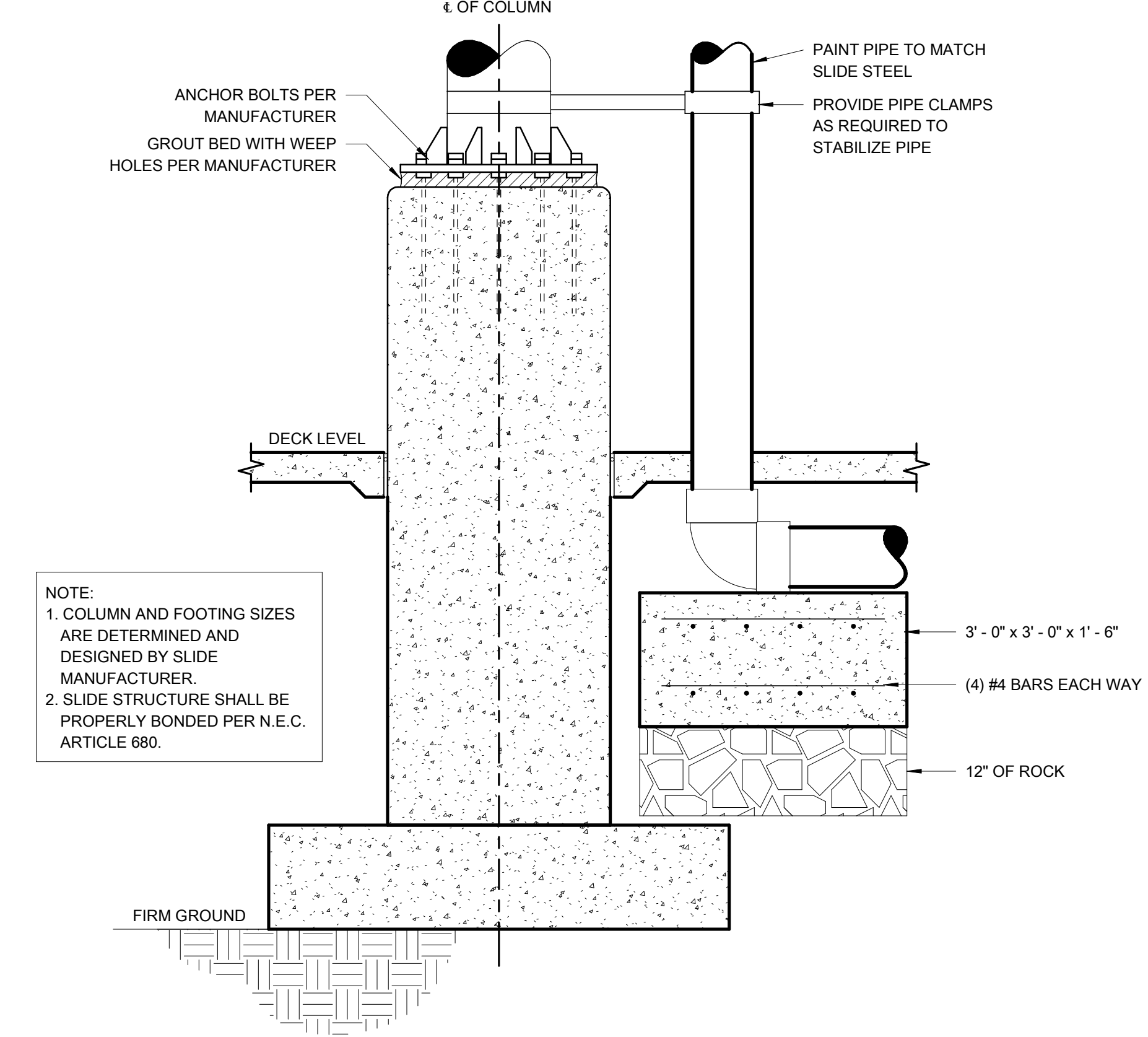


③ UNDERWATER LIGHT @ UNDERWATER BENCH
3/4" = 1'-0"

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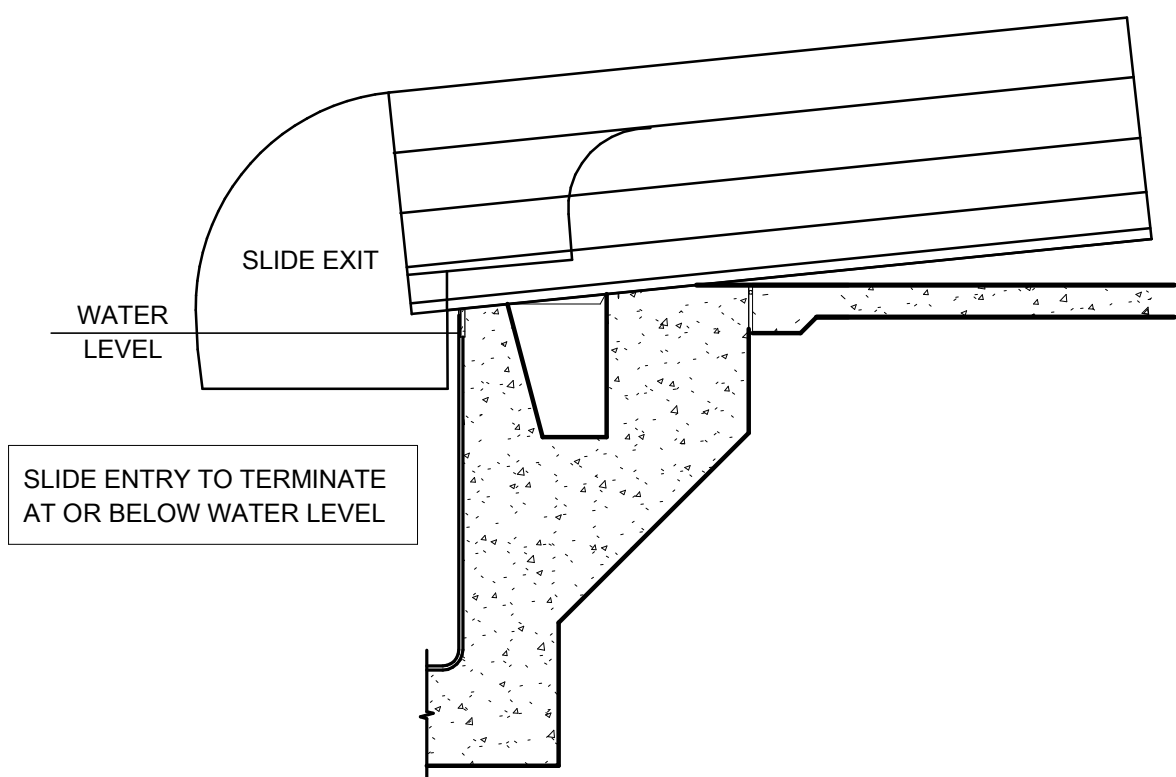
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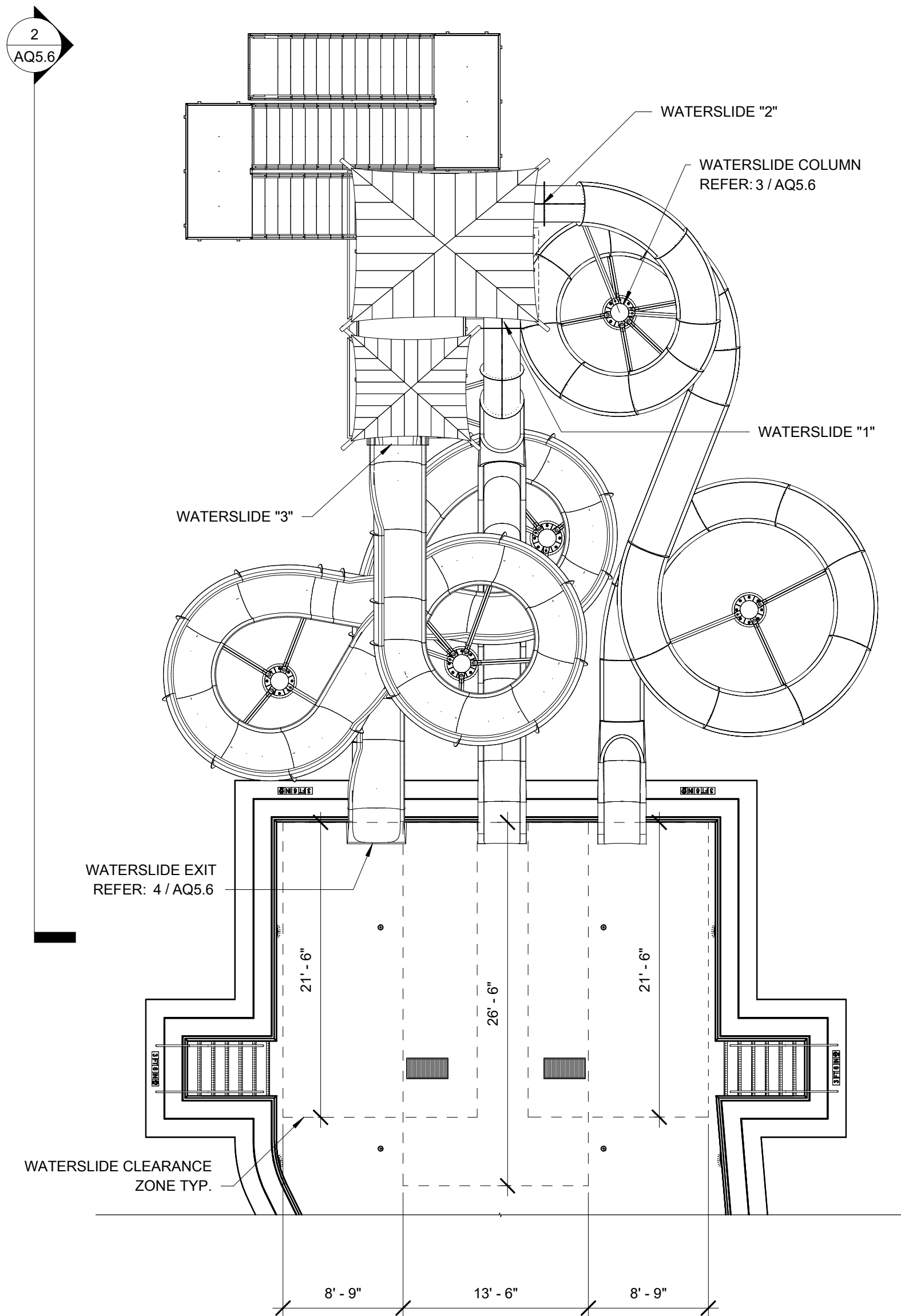


3 WATERSLIDE COLUMN
3/4" = 1'-0"

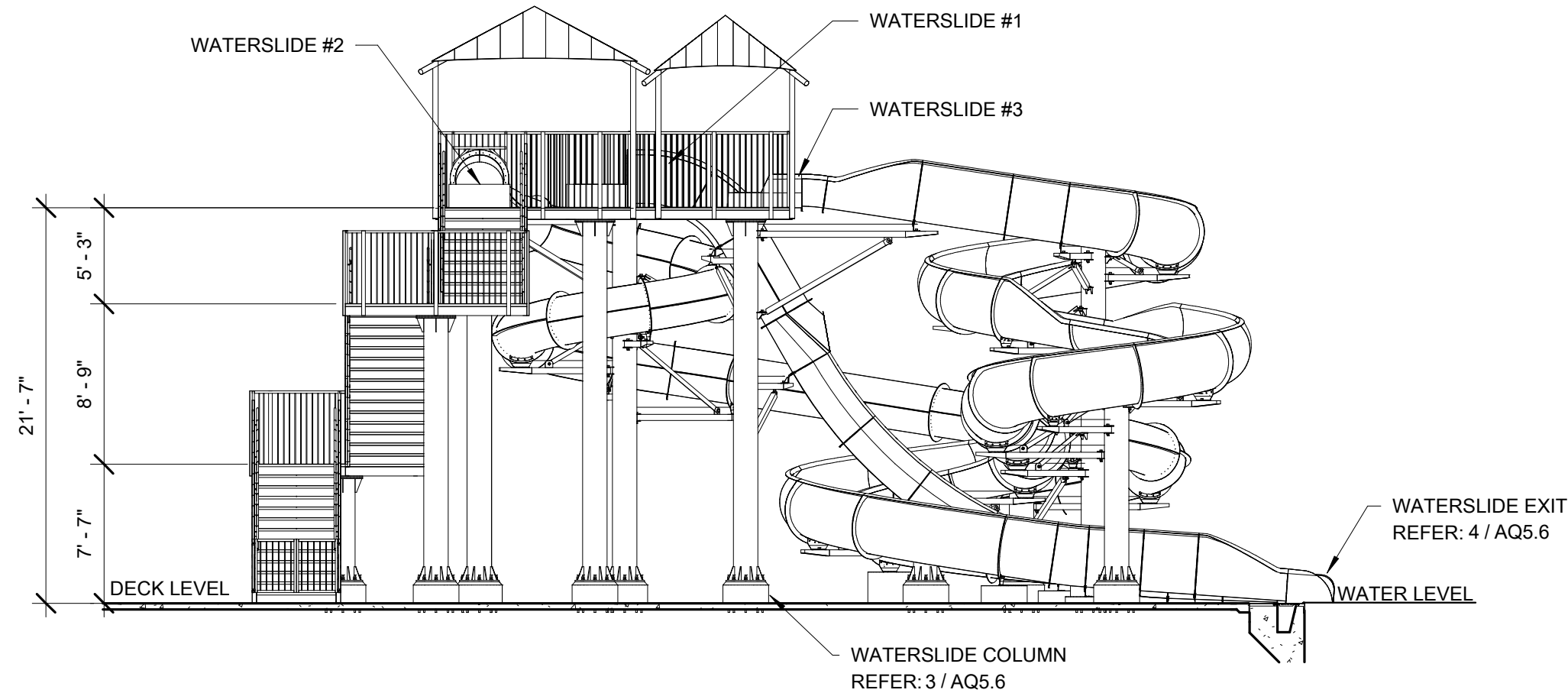
NOTE:
WATERSLIDE EXIT PIECE TO BE TRIMMED IN FIELD TO MATCH GUTTER PROFILE.



4 WATERSLIDE EXIT
1/2" = 1'-0"



1 WATERSLIDE PLAN
1/8" = 1'-0"



2 WATERSLIDE ELEVATION
1/8" = 1'-0"

WATERSLIDE DESIGN DATA

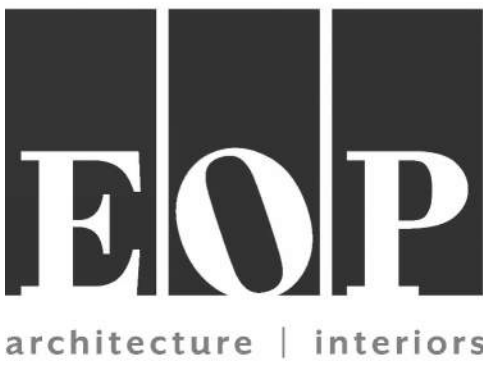
POOL	WATERSLIDE "1"	WATERSLIDE "2"	WATERSLIDE "3"
PLATFORM HEIGHT	21'-7"	21'-7"	21'-7"
WATERSLIDE LENGTH	52.50'	148.43'	158.88'

WATERSLIDE DEFERRED APPROVAL NOTICE

INSTALLATION OF WATERSLIDE INCLUDING FOUNDATIONS AND TOWER MUST NOT COMMENCE UNTIL DETAILED PLANS, SPECIFICATIONS AND CALCULATIONS ARE APPROVED BY THE DEPARTMENT OF AGRICULTURE & THE OHIO DEPARTMENT OF HEALTH.

NOTES:

- OVERHEAD CLEARANCE TO BOTTOM OF WATERSLIDE AND WATERSLIDE STRUCTURE MUST BE MINIMUM 6'-8" OVER ALL DECK AREAS INTENDED FOR FOOT TRAFFIC.
- DESIGN OF WATERSLIDE FOOTING, PIERS, ANCHORS, AND SPACING MUST BE PROVIDED BY WATERSLIDE MANUFACTURER. CALCULATIONS AND SEALED DRAWINGS MUST BE PROVIDED.



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ISSUANCES

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	01/17/25
1	CONFORMED SET	03/14/25

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Client Number

948

Project Number

7383

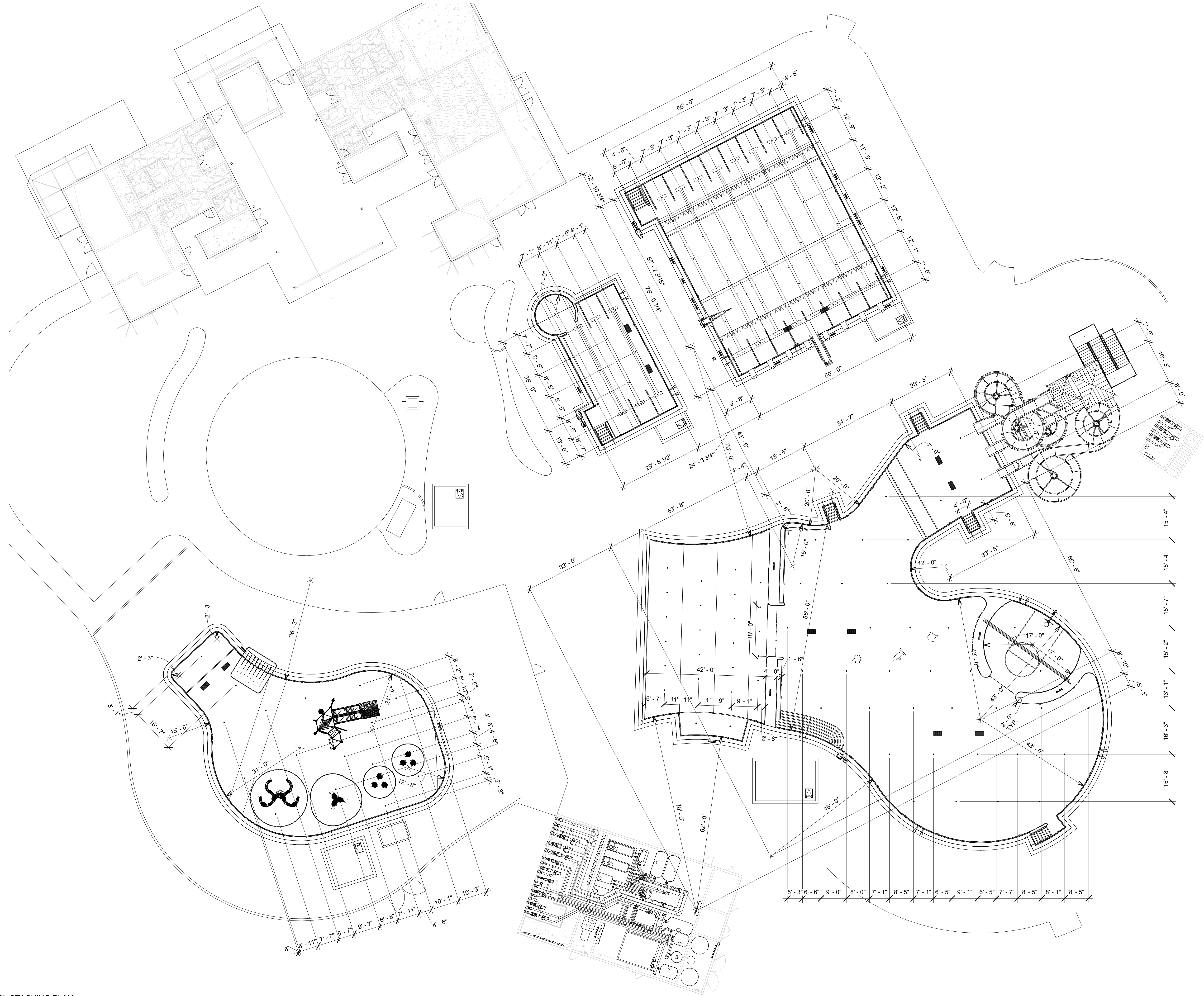
DRAWING TITLE

WATERSLIDE PLAN,
ELEVATION &
DETAILS

SHEET NO.

AQ5.6

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DRAWING TITLE

POOL STACKING PLAN

SHEET NO.

AQ6.0

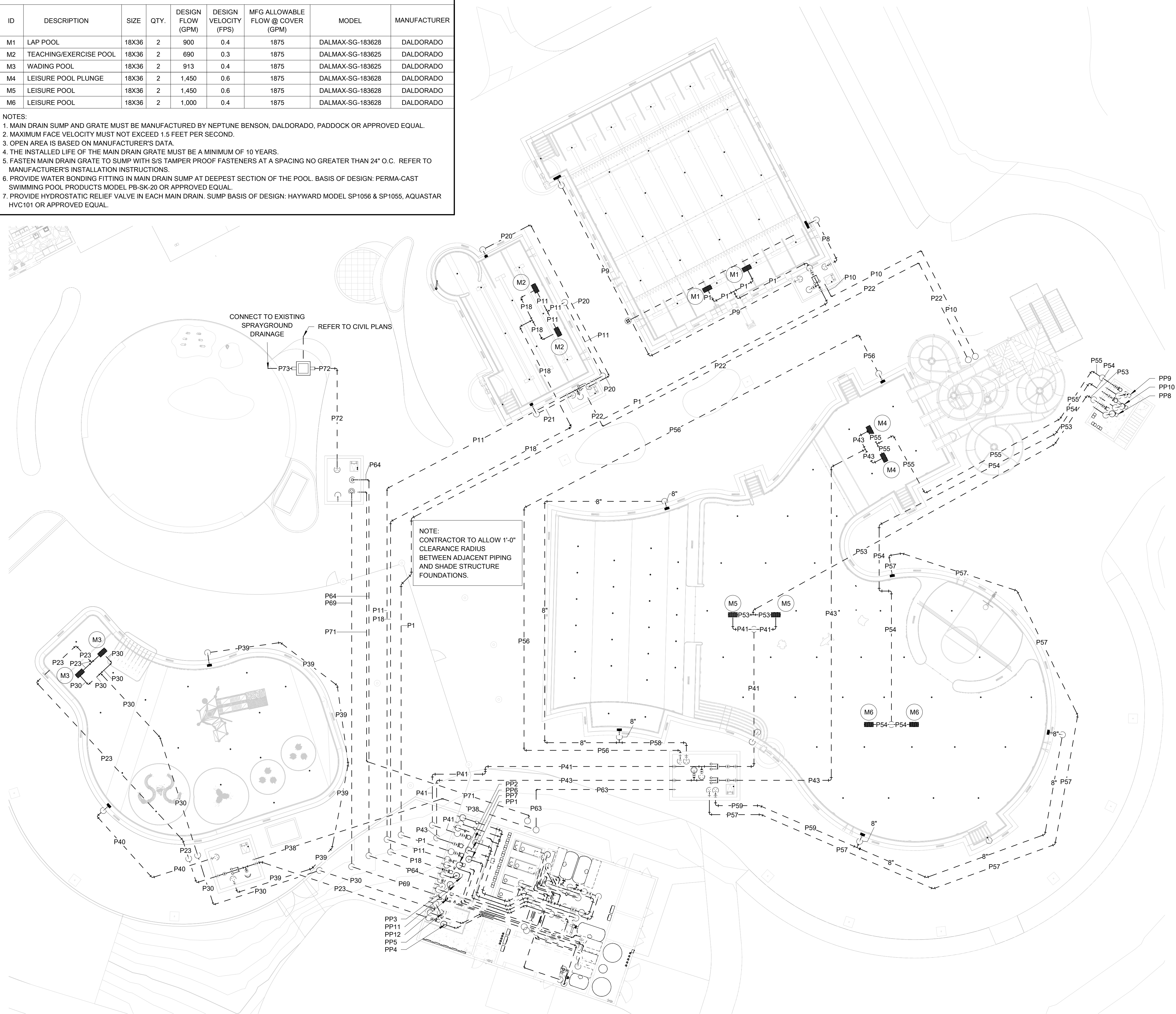
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MAIN DRAIN SCHEDULE

ID	DESCRIPTION	SIZE	QTY.	DESIGN FLOW (GPM)	DESIGN VELOCITY (FPS)	MFG ALLOWABLE FLOW @ COVER (GPM)	MODEL	MANUFACTURER
M1	LAP POOL	18X36	2	900	0.4	1875	DALMAX-SG-183628	DALDORADO
M2	TEACHING/EXERCISE POOL	18X36	2	690	0.3	1875	DALMAX-SG-183625	DALDORADO
M3	WADING POOL	18X36	2	913	0.4	1875	DALMAX-SG-183625	DALDORADO
M4	LEISURE POOL PLUNGE	18X36	2	1,450	0.6	1875	DALMAX-SG-183628	DALDORADO
M5	LEISURE POOL	18X36	2	1,450	0.6	1875	DALMAX-SG-183628	DALDORADO
M6	LEISURE POOL	18X36	2	1,000	0.4	1875	DALMAX-SG-183628	DALDORADO

NOTES:

1. MAIN DRAIN SUMP AND GRATE MUST BE MANUFACTURED BY NEPTUNE BENSON, DALDORADO, PADDOCK OR APPROVED EQUAL.
2. MAXIMUM FACE VELOCITY MUST NOT EXCEED 1.5 FEET PER SECOND.
3. OPEN AREA IS BASED ON MANUFACTURER'S DATA.
4. THE INSTALLED LIFE OF THE MAIN DRAIN GRATE MUST BE A MINIMUM OF 10 YEARS.
5. FASTEN MAIN DRAIN GRATE TO SUMP WITH S/S TAMPER PROOF FASTENERS AT A SPACING NO GREATER THAN 24" O.C. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
6. PROVIDE WATER BONDING FITTING IN MAIN DRAIN SUMP AT DEEPEST SECTION OF THE POOL. BASIS OF DESIGN: PERMA-CAST SWIMMING POOL PRODUCTS MODEL PB-SK-20 OR APPROVED EQUAL.
7. PROVIDE HYDROSTATIC RELIEF VALVE IN EACH MAIN DRAIN. SUMP BASIS OF DESIGN: HAYWARD MODEL SP1056 & SP1055, AQUASTAR HVC101 OR APPROVED EQUAL.



PIPE SCHEDULE		
TYPE	DIAMETER	DESCRIPTION
P1	10"	FROM M1 TO PP1
P2	8"	FROM PP1 TO F1
P3	8"	FROM F1 TO LAP POOL INLETS
P4	3"	FROM P2 TO BACKWASH CATCH BASIN
P5	6"	FROM F1 TO BACKWASH CATCH BASIN
P6	4"	FROM P3 TO H1
P7	4"	FROM H1 TO P3
P8	10"	FROM LAP POOL GUTTER DROPOUT BOX TO SURGE TANK
P9	10"	FROM LAP POOL GUTTER DROPOUT BOX TO SURGE TANK
P10	3"	FROM LAP POOL SURGE TANK TO ATMOSPHERE
P11	6"	FROM M2 TO PP2
P12	4"	FROM PP2 TO F2
P13	4"	FROM F2 TO TEACHING/ EXERCISE POOL INLETS
P14	3"	FROM P12 TO BACKWASH CATCH BASIN
P15	4"	FROM F2 TO BACKWASH CATCH BASIN
P16	2"	FROM P13 TO H2
P17	2"	FROM H2 TO P13
P18	8"	FROM M2 TO PP3
P19	6"	FROM PP3 TO TEACHING/EXERCISE POOL VORTEX NOZZLES
P20	6"	FROM TEACHING/ EXERCISE POOL GUTTER DROPOUT BOX TO SURGE TANK
P21	6"	FROM TEACHING/ EXERCISE POOL GUTTER DROPOUT BOX TO SURGE TANK
P22	3"	FROM TEACHING/ EXERCISE SURGE TANK TO ATMOSPHERE
P23	8"	FROM M3 TO PP4
P24	6"	FROM PP4 TO F3
P25	6"	FROM F3 TO WADING POOL INLETS
P26	3"	FROM P24 TO BACKWASH CATCH BASIN
P27	4"	FROM F3 TO BACKWASH CATCH BASIN
P28	2 1/2"	FROM P25 TO H3
P29	2 1/2"	FROM H3 TO P25
P30	6"	FROM M3 TO PP5
P31	6"	FROM PP5 TO WADING POOL FEATURE VALVE BOX
P32	2"	FROM WADING POOL FEATURE VALVE BOX TO WATER JELLY
P33	2"	FROM WADING POOL FEATURE VALVE BOX TO WATER JELLY
P34	4"	FROM WADING POOL FEATURE VALVE BOX TO PLAY NUK NO.3 PLAY STRUCTURE
P35	2 1/2"	FROM WADING POOL FEATURE VALVE BOX TO WATER TUNNEL
P36	1 1/2"	FROM WADING POOL FEATURE VALVE BOX TO BOBBLE NO.2
P37	2"	FROM WADING POOL FEATURE VALVE BOX TO CASCADE RAINFOREST
P38	3"	FROM WADING POOL SURGE TANK TO ATMOSPHERE
P39	8"	FROM WADING POOL GUTTER DROPOUT BOX TO SURGE TANK
P40	8"	FROM WADING POOL GUTTER DROPOUT BOX TO SURGE TANK
P41	10"	FROM M5 TO PP6
P42	12"	FROM PP6 TO F4
P43	10"	FROM M4 TO PP7
P44	12"	FROM PP4 TO P42
P45	12"	FROM F4 TO LEISURE POOL RETURN MANIFOLD
P46	8"	FROM LEISURE POOL RETURN MANIFOLD TO LEISURE POOL OPEN AREA RETURN INLETS
P47	8"	FROM LEISURE POOL RETURN MANIFOLD TO LEISURE POOL ZERO ENTRY AREA RETURN INLETS
P48	3"	FROM LEISURE POOL RETURN MANIFOLD TO WATERSLIDE PLUNGE AREA RETURN INLETS
P49	4"	FROM P42 TO BACKWASH CATCH BASIN
P50	6"	FROM F4 TO BACKWASH CATCH BASIN
P51	4"	FROM P45 TO H4
P52	4"	FROM H4 TO P45
P53	8"	FROM M5 TO PP8
P54	10"	FROM M6 TO PP10
P55	8"	FROM M4 TO PP9
P56	8"	FROM LEISURE POOL GUTTER DROPOUT BOX TO SURGE TANK
P57	8"	FROM LEISURE POOL GUTTER DROPOUT BOX TO SURGE TANK
P58	10"	FROM LEISURE POOL GUTTER DROPOUT BOXES TO SURGE TANK
P59	10"	FROM LEISURE POOL GUTTER DROPOUT BOXES TO SURGE TANK
P60	6"	FROM PP9 TO WATERSLIDE 2
P61	8"	FROM PP10 TO WATERSLIDE 3
P62	6"	FROM PP8 TO WATERSLIDE 1
P63	3"	FROM LEISURE POOL SURGE TANK TO ATMOSPHERE
P64	4"	FROM SPRAYGROUND BALANCE TANK TO PP11
P65	4"	FROM PP11 TO F5
P66	4"	FROM F5 TO SPRAYGROUND BALANCE TANK
P67	3"	FROM F5 TO BACKWASH CATCH BASIN
P68	3"	FROM P65 TO BACKWASH CATCH BASIN
P69	6"	FROM SPRAYGROUND BALANCE TANK TO PP12
P70	6"	FROM PP12 TO SPRAYGROUND FEATURE VALVE BOX
P71	3"	FROM SPRAYGROUND BALANCE TANK TO ATMOSPHERE
P72	8"	FROM RAIN DIVERTER TO SPRAYGROUND BALANCE TANK (V.I.F)
P73	8"	FROM SPRAYGROUND TO RAIN DIVERTER (V.I.F)



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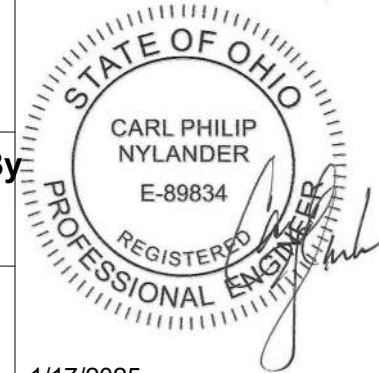
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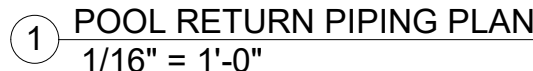
POOL SUCTION PIPING PLAN

SHEET NO.

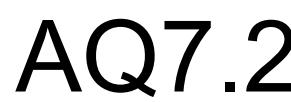
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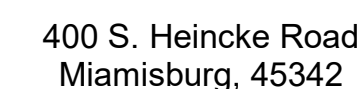
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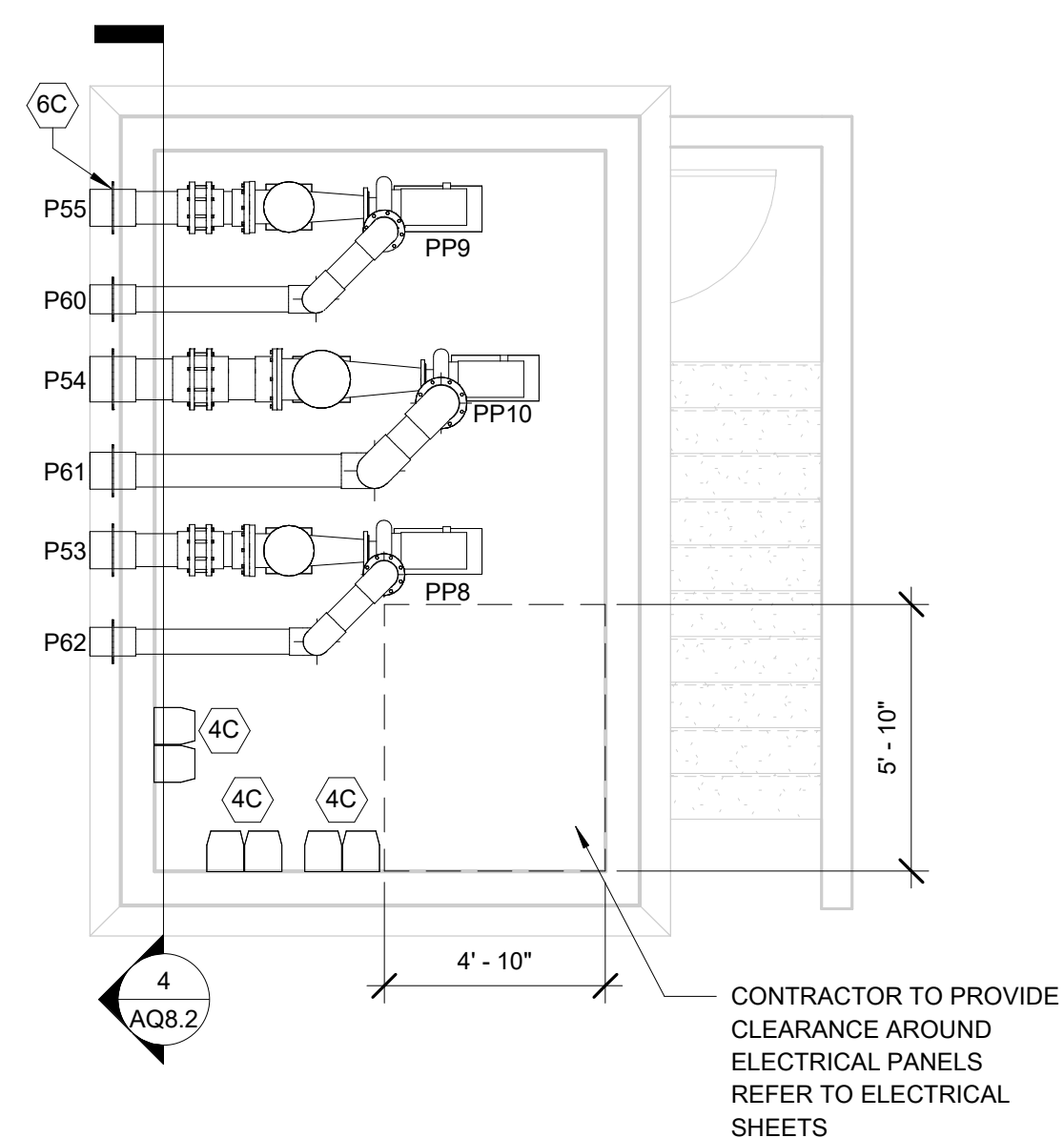
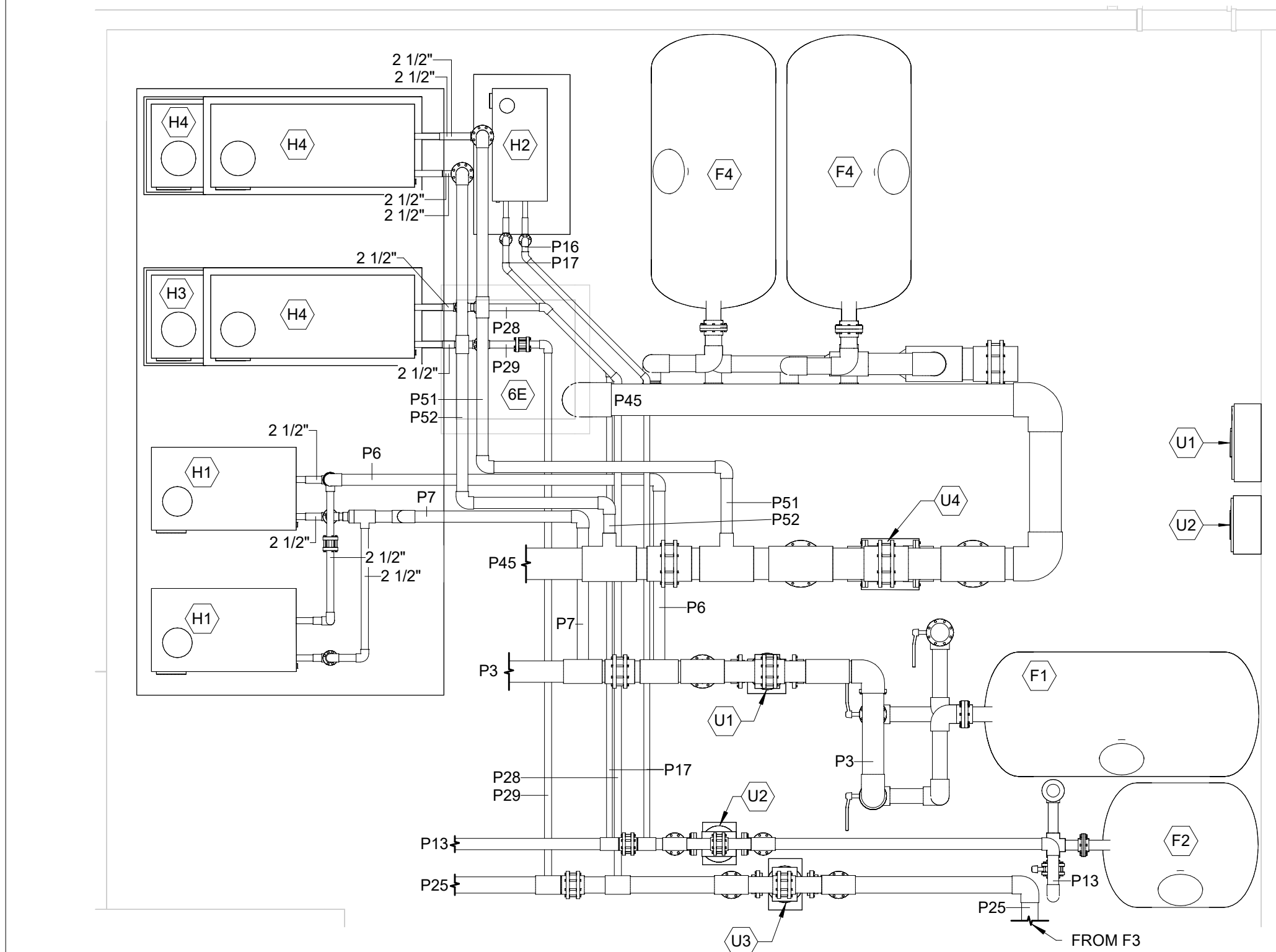
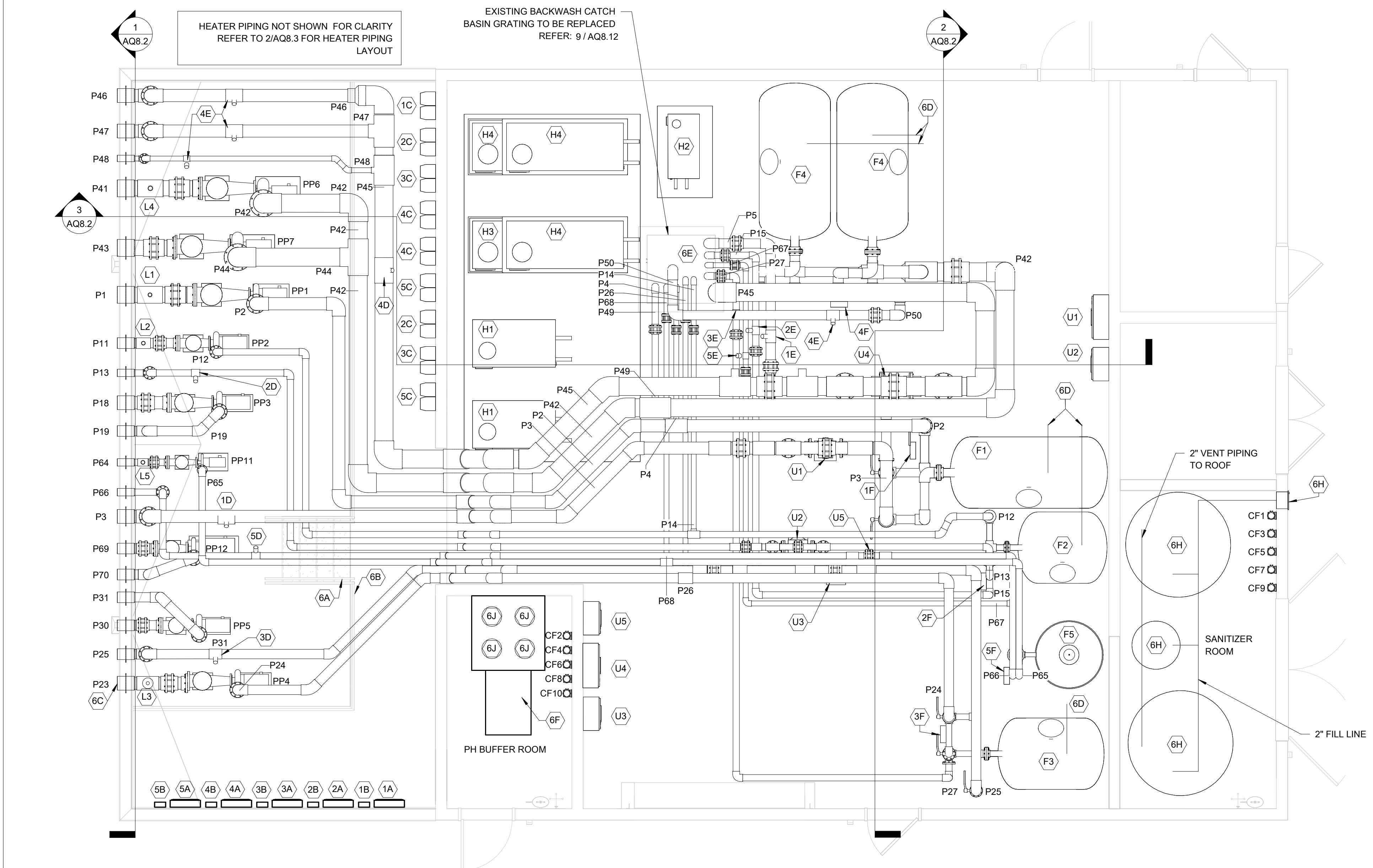
Number
7383

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POOL FEATURE RETURN PIPING PLANS

SHEET NO.

AQ7.3



EQUIPMENT SCHEDULE

ID	ITEM
	LAP POOL
1A	CHEMICAL CONTROLLER REFER: 2 / AQ8.9
1B	WATER LEVEL CONTROLLER REFER: 3 / AQ8.12
1C	VARIABLE FREQUENCY DRIVE AND BYPASS PANEL
1D	FLOW METER SENSOR REFER: 4 / AQ8.10
1E	IMPACT FLOW METER REFER: 5 / AQ8.10
1F	FILTER BACKWASH CONTROLLER REFER: 8 / AQ8.9
	TEACHING/EXERCISE POOL
2A	CHEMICAL CONTROLLER REFER: 2 / AQ8.9
2B	WATER LEVEL CONTROLLER REFER: 3 / AQ8.12
2C	VARIABLE FREQUENCY DRIVE AND BYPASS PANEL
2D	FLOW METER SENSOR REFER: 4 / AQ8.10
2E	IMPACT FLOW METER REFER: 5 / AQ8.10
2F	FILTER BACKWASH CONTROLLER REFER: 8 / AQ8.9
	WADING POOL
3A	CHEMICAL CONTROLLER REFER: 2 / AQ8.9
3B	WATER LEVEL CONTROLLER REFER: 3 / AQ8.12
3C	VARIABLE FREQUENCY DRIVE AND BYPASS PANEL
3D	FLOW METER SENSOR REFER: 4 / AQ8.10
3E	IMPACT FLOW METER REFER: 5 / AQ8.10
3F	FILTER BACKWASH CONTROLLER REFER: 8 / AQ8.9
	LEISURE POOL
4A	CHEMICAL CONTROLLER REFER: 2 / AQ8.9
4B	WATER LEVEL CONTROLLER REFER: 3 / AQ8.12
4C	VARIABLE FREQUENCY DRIVE AND BYPASS PANEL
4D	FLOW METER SENSOR REFER: 4 / AQ8.10
4E	IMPACT FLOW METER REFER: 5 / AQ8.10
4F	FILTER BACKWASH CONTROLLER REFER: 8 / AQ8.9
	SPRAYGROUND
5A	CHEMICAL CONTROLLER REFER: 2 / AQ8.9
5B	WATER LEVEL CONTROLLER REFER: 3 / AQ8.12
5C	VARIABLE FREQUENCY DRIVE AND BYPASS PANEL
5D	FLOW METER SENSOR REFER: 4 / AQ8.10
5E	IMPACT FLOW METER REFER: 5 / AQ8.10
5F	FILTER BACKWASH CONTROLLER REFER: 8 / AQ8.9
	COMBINED
6A	LADDER REFER TO ARCHITECT
6B	REMOVABLE RAILING
6C	LINK SEAL (TYP. ALL PENETRATIONS) REFER: 7 / AQ8.10
6D	HARD PIPE TO DRAIN
6E	EXISTING BACKWASH CATCH BASIN
6F	CHEMICAL RAMP & SPILL PLATFORM
6G	CHLORINE FILL BOX REFER: 5 / AQ8.14
6H	CHLORINE TANK
6J	ACID CARBOYS

PIPE SCHEDULE

TYPE	DIAMETER	DESCRIPTION
P1	10"	FROM M1 TO PP1
P2	8"	FROM PP1 TO F1
P3	8"	FROM F1 TO LAP POOL INLETS
P4	3"	FROM P2 TO BACKWASH CATCH BASIN
P5	6"	FROM F1 TO BACKWASH CATCH BASIN
P6	4"	FROM P3 TO H1
P7	4"	FROM H1 TO P3
P8	10"	FROM LAP POOL GUTTER DROPOUT BOX TO SURGE TANK
P9	10"	FROM LAP POOL GUTTER DROPOUT BOX TO SURGE TANK
P10	3"	FROM LAP POOL SURGE TANK TO ATMOSPHERE
P11	6"	FROM M2 TO PP2
P12	4"	FROM PP2 TO F2
P13	4"	FROM F2 TO TEACHING/ EXERCISE POOL INLETS
P14	3"	FROM P12 TO BACKWASH CATCH BASIN
P15	4"	FROM F2 TO BACKWASH CATCH BASIN
P16	2"	FROM P13 TO H2
P17	2"	FROM H2 TO P13
P18	8"	FROM M2 TO PP3
P19	6"	FROM PP3 TO TEACHING/EXERCISE POOL VORTEX NOZZLES
P20	6"	FROM TEACHING/ EXERCISE POOL GUTTER DROPOUT BOX TO SURGE TANK
P21	6"	FROM TEACHING/ EXERCISE POOL GUTTER DROPOUT BOX TO SURGE TANK
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P23	8"	FROM M3 TO PP4
P24	6"	FROM PP4 TO F3
P25	6"	FROM F3 TO WADING POOL INLETS
P26	3"	FROM P24 TO BACKWASH CATCH BASIN
P27	4"	FROM F3 TO BACKWASH CATCH BASIN
P28	2 1/2"	FROM P25 TO H3
P29	2 1/2"	FROM H3 TO P25
P30	6"	FROM M3 TO PP5
P31	6"	FROM PP5 TO WADING POOL FEATURE VALVE BOX
P32	2"	FROM WADING POOL FEATURE VALVE BOX TO WATER JELLY
P33	2"	FROM WADING POOL FEATURE VALVE BOX TO WATER JELLY
P34	4"	FROM WADING POOL FEATURE VALVE BOX TO PLAY NUK NO.3 PLAY STRUCTURE
P35	2 1/2"	FROM WADING POOL FEATURE VALVE BOX TO WATER TUNNEL
P36	1 1/2"	FROM WADING POOL FEATURE VALVE BOX TO BOBBLE NO.2
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P50	6"	FROM F4 TO BACKWASH CATCH BASIN
P51	4"	FROM P45 TO H4
P52	4"	FROM H4 TO P45
P53	8"	FROM M5 TO PP8
P54	10"	FROM M6 TO PP10
P55	8"	FROM M4 TO PP9
P56	8"	FROM LEISURE POOL GUTTER DROPOUT BOX TO SURGE TANK
P57	8"	FROM LEISURE POOL GUTTER DROPOUT BOX TO SURGE TANK
P58	10"	FROM LEISURE POOL GUTTER DROPOUT BOXES TO SURGE TANK
P59	10"	FROM LEISURE POOL GUTTER DROPOUT BOXES TO SURGE TANK
P60	6"	FROM PP9 TO WATERSLIDE 2
P61	8"	FROM PP10 TO WATERSLIDE 3
P62	6"	FROM PP8 TO WATERSLIDE 1
P63	3"	FROM LEISURE POOL SURGE TANK TO ATMOSPHERE
P64	4"	FROM SPRAYGROUND BALANCE TANK TO PP11
P65	4"	FROM PP11 TO F5
P66	4"	FROM F5 TO SPRAYGROUND BALANCE TANK
P67	3"	FROM F5 TO BACKWASH CATCH BASIN
P68	3"	FROM P65 TO BACKWASH CATCH BASIN
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1	CONFORMED SET	03/14/25

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738

DRAWING TITLE

POOL MECHANICAL ROOM PLANS

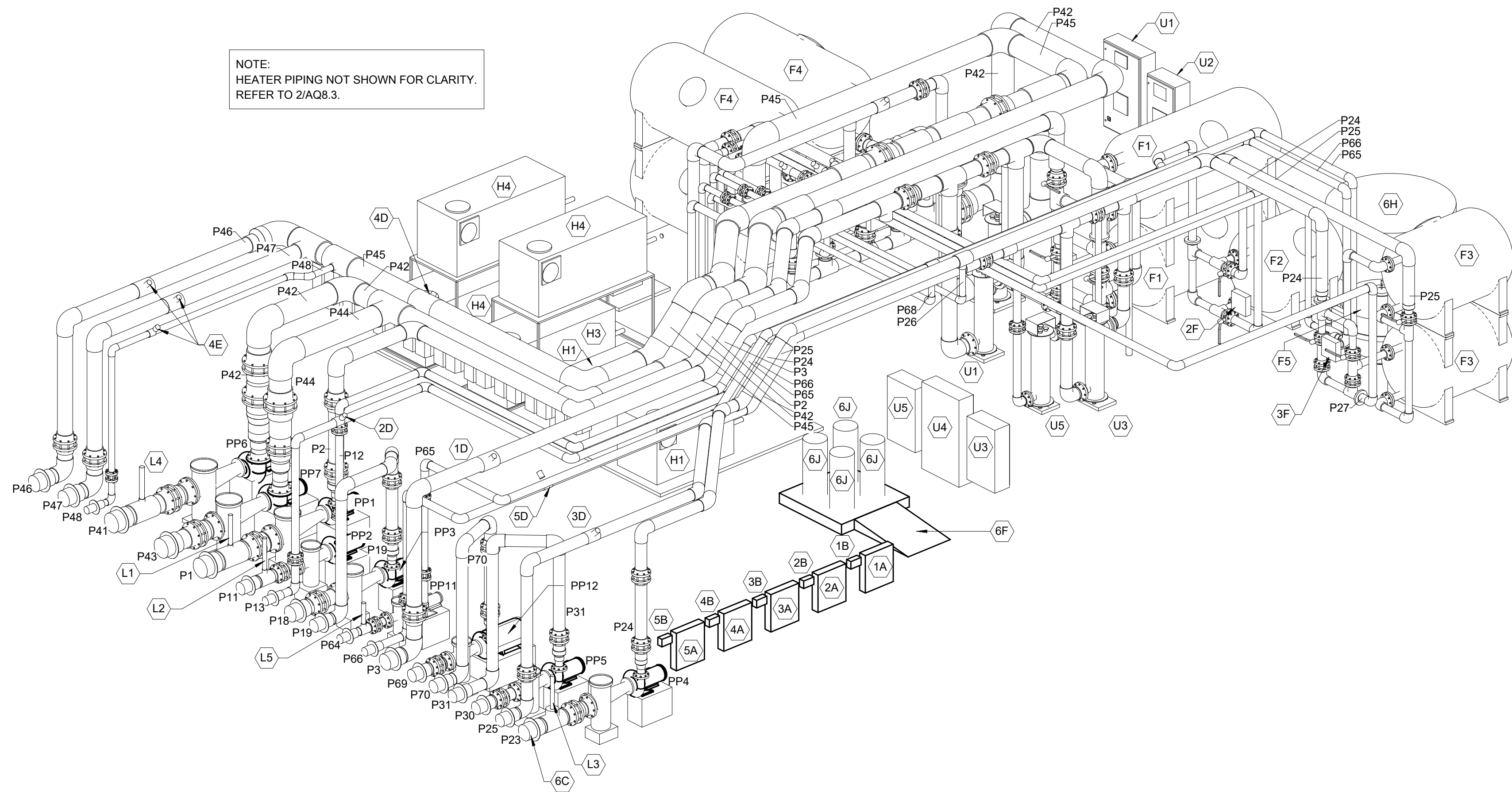
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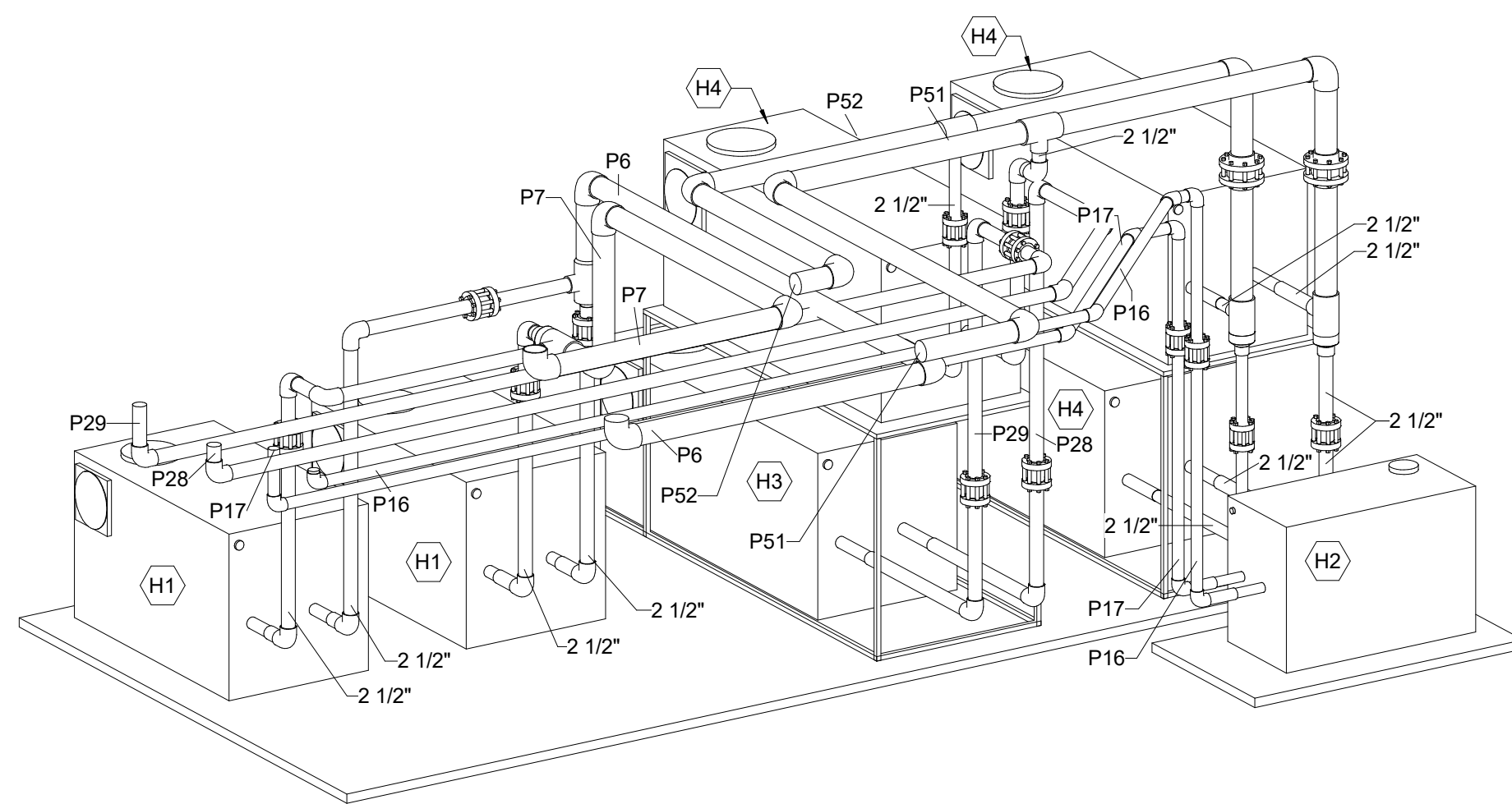
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1 POOL MECHANICAL PIPING - ISOMETRIC



2 POOL HEATER PIPING - ISOMETRIC



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Number

7383

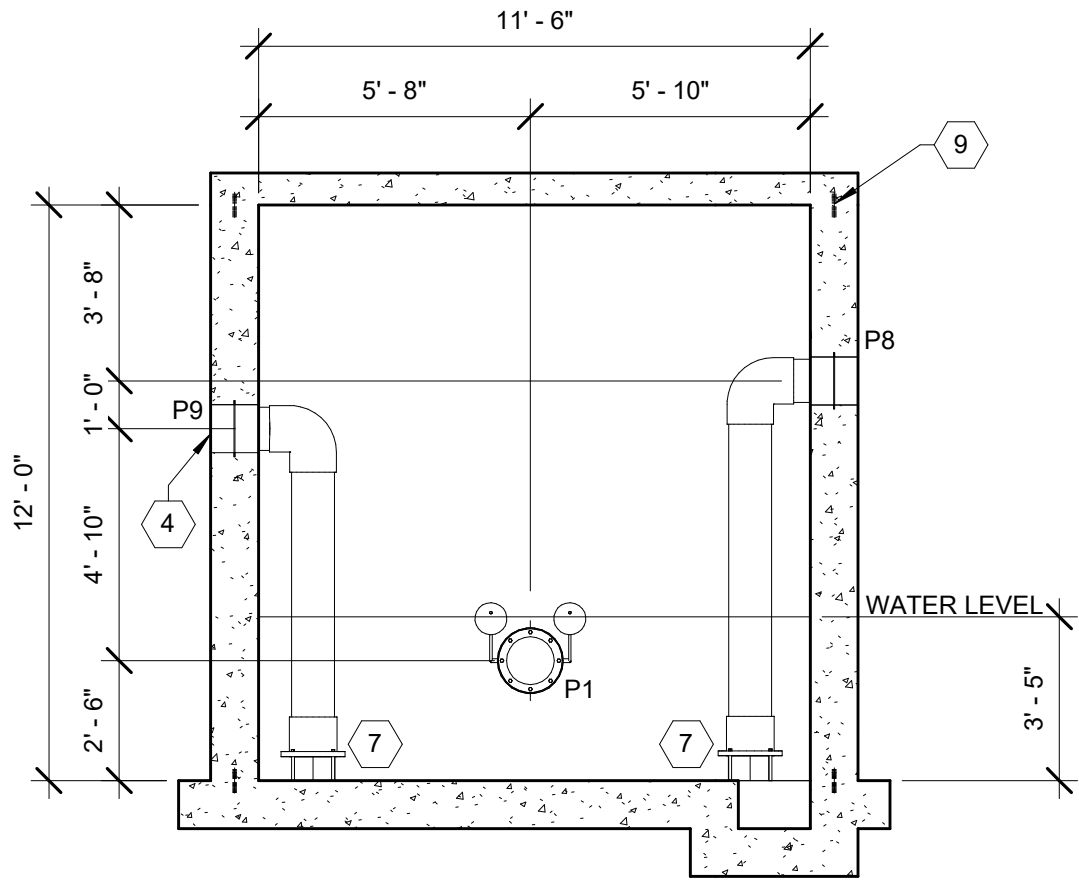
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POOL MECHANICAL
PIPING ISOMETRICS

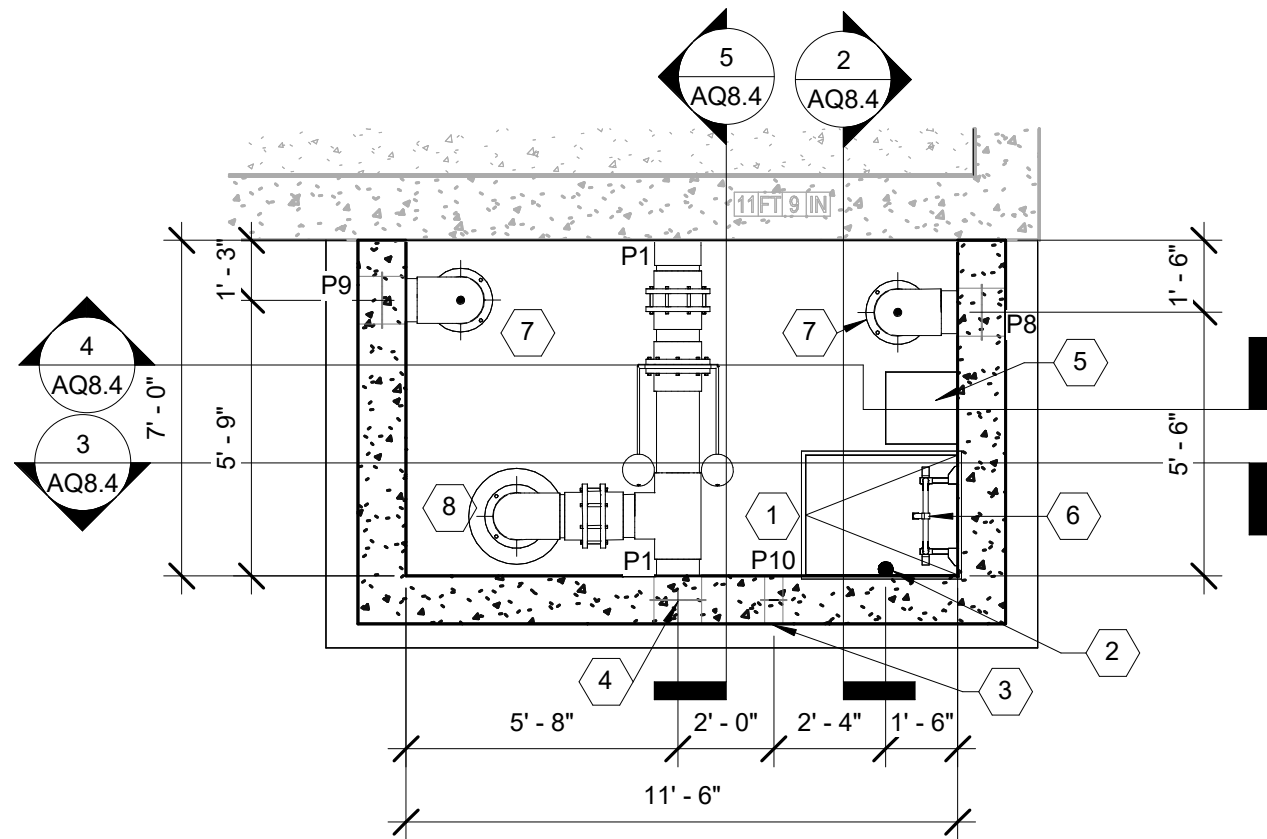
SHEET NO.

AQ8.3

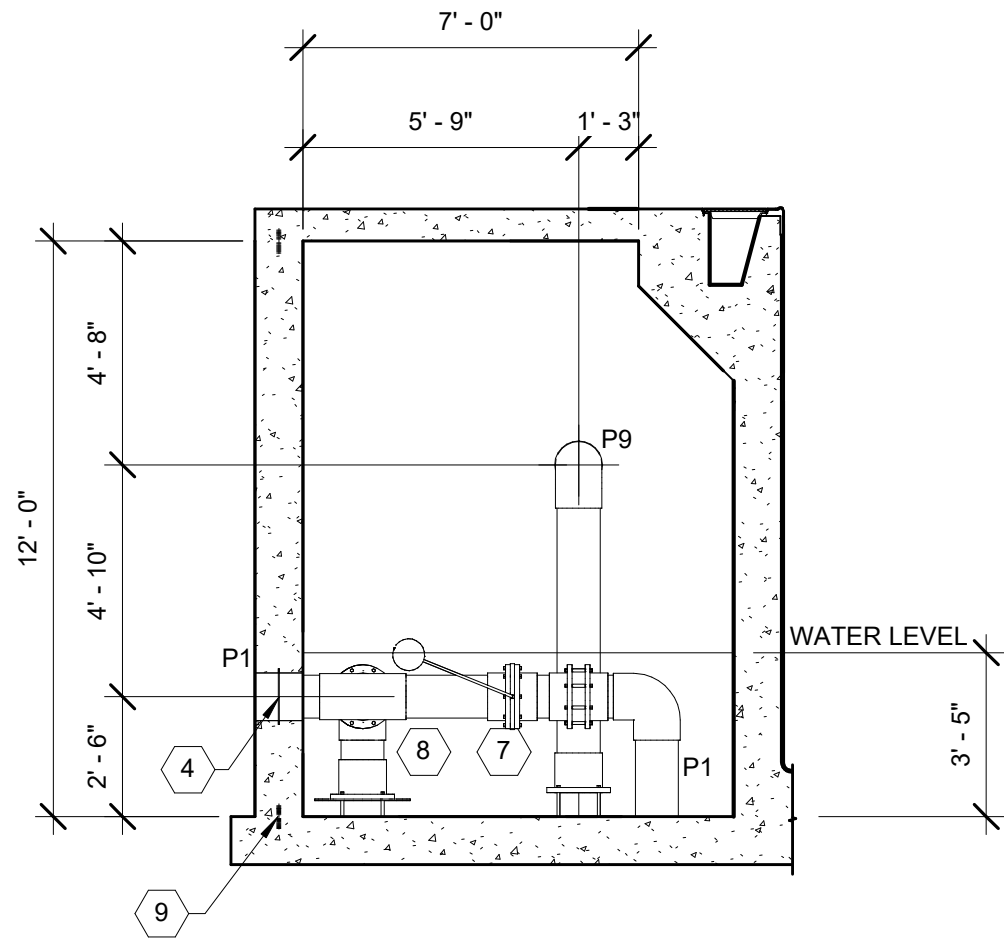
ISSUED FOR CONSTRUCTION



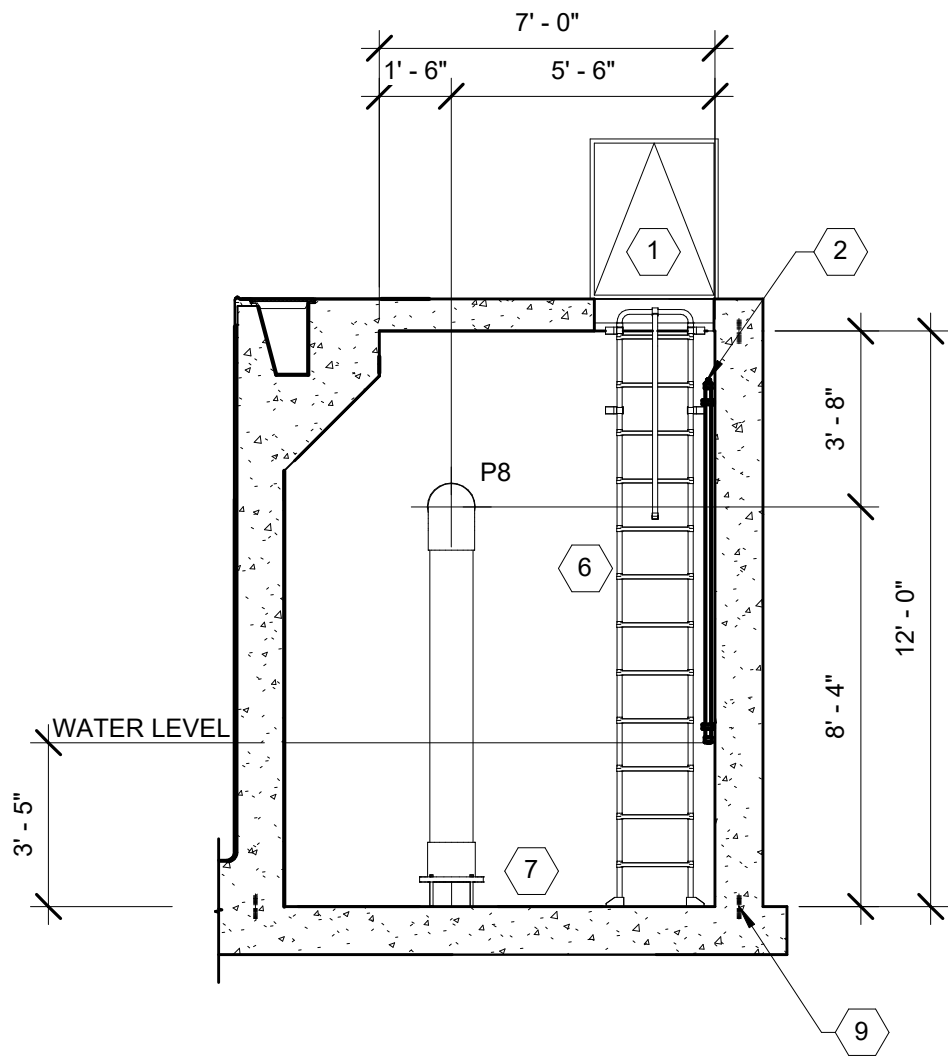
4 LAP POOL SURGE TANK SECTION
1/4" = 1'-0"



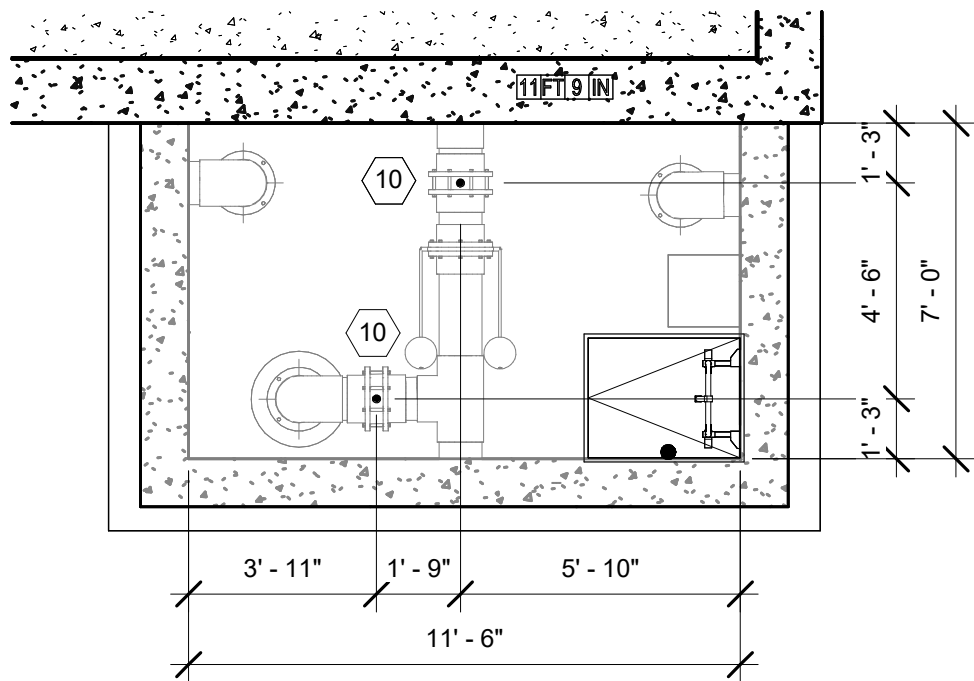
1 LAP POOL SURGE TANK PLAN
1/4" = 1'-0"



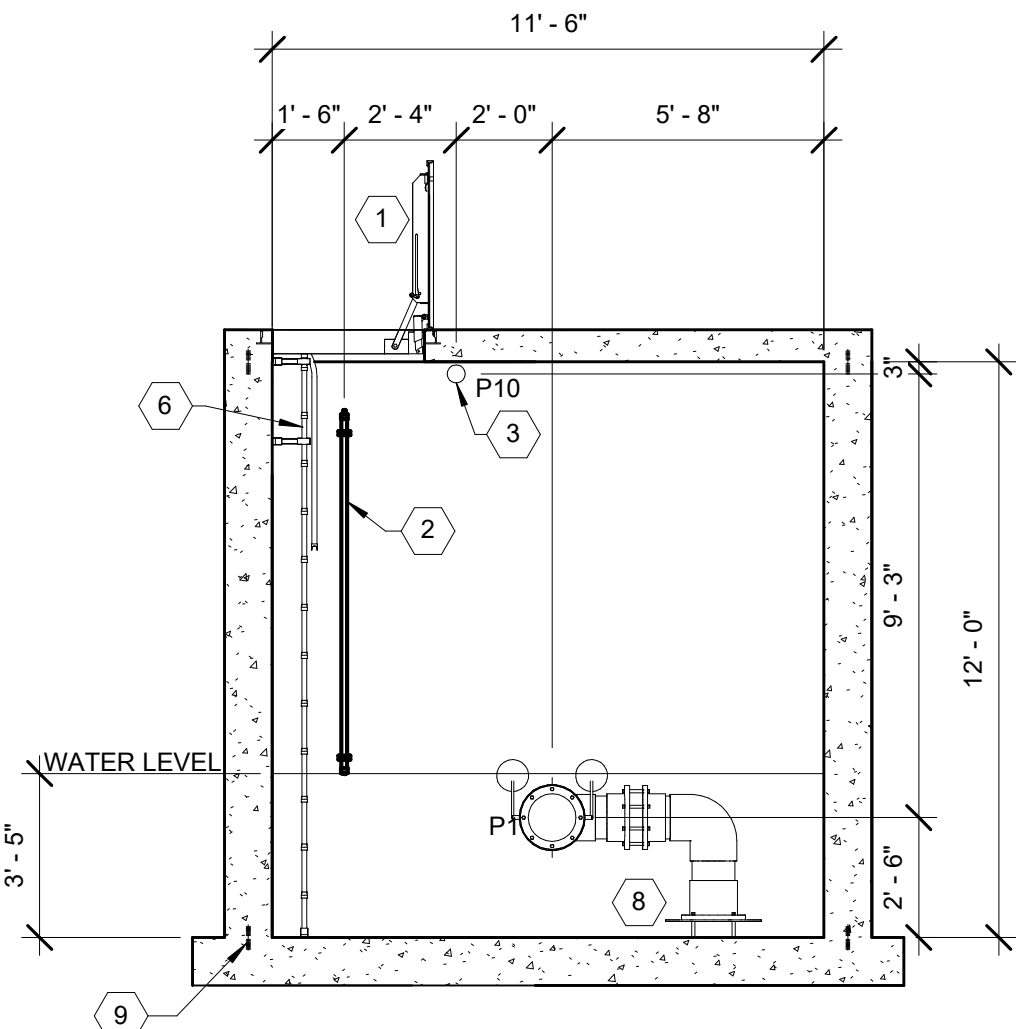
5 LAP POOL SURGE TANK SECTION
1/4" = 1'-0"



2 LAP POOL SURGE TANK SECTION
1/4" = 1'-0"



6 LAP POOL SURGE TANK VALVE EXTENSION PLAN
1/4" = 1'-0"



3 LAP POOL SURGE TANK SECTION
1/4" = 1'-0"

SURGE TANK NOTES

1. A WATERPROOFING COATING MUST BE PROVIDED TO ALL INTERIOR SURFACES OF SURGE TANK INCLUDING LID.
2. PROVIDE WATER TIGHT PIPE PENETRATIONS AND INTERFACES WITHIN THE SURGE TANK.
3. REFER TO POOL STRUCTURAL DRAWINGS FOR SURGE TANK STRUCTURAL SHELL DESIGN.
4. SLEEVES IN SLAB OVER SURGE TANK FOR VALVE EXTENSIONS POSITIONED DIRECTLY ABOVE SURGE TANK VALVES BELOW MUST BE COORDINATED.
5. DRILL 1" DIAMETER HOLE ON TOP OF ELBOW. TYPICAL ALL GUTTER DROPOUT LINES.
6. POLYPROPYLENE LADDER WITH PULL-UP HANDRAIL MUST BE PROVIDED.
7. REFER TO POOL STRUCTURAL DRAWINGS FOR WATER STOPS.
8. PVC ANTI-VORTEX PLATE MUST BE MINIMUM 2.5 TIMES CONNECTING PIPE DIAMETER UP TO 24" AND 4" A.F.F.
9. PROVIDE SUPPORT FLANGES WITH FOUR (4) LEGS EQUAL TO NOMINAL PIPE DIAMETER, BUT NOT LESS THAN 6" A.F.F.
10. PROVIDE 18"x18"x12" DEEP SUMP LOCATED NEAR ACCESS HATCH.

EQUIPMENT SCHEDULE

ID	ITEM
1	ACCESS HATCH REFER: 5 / AQ8.13
2	WATER LEVEL CONTROLLER REFER: 3 / AQ8.12
3	SURGE TANK VENT REFER: 3 / AQ8.13
4	WATER SEAL (TYP. ALL PENETRATIONS) REFER: 6 / AQ8.10
5	SUMP
6	SURGE TANK LADDER REFER: 2 / AQ8.13
7	SUPPORT FLANGE
8	ANTI-VORTEX PLATE
9	WATERSTOP
10	VALVE EXTENSION REFER: 6 / AQ8.13

PIPE SCHEDULE

TYPE	DIAMETER	DESCRIPTION
P1	10"	FROM M1 TO PP1
P2	8"	FROM PP1 TO F1
P3	8"	FROM F1 TO LAP POOL INLETS
P4	3"	FROM P2 TO BACKWASH CATCH BASIN
P5	6"	FROM F1 TO BACKWASH CATCH BASIN
P6	4"	FROM P3 TO H1
P7	4"	FROM H1 TO P3
P8	10"	FROM LAP POOL GUTTER DROPOUT BOX TO SURGE TANK
P9	10"	FROM LAP POOL GUTTER DROPOUT BOX TO SURGE TANK
P10	3"	FROM LAP POOL SURGE TANK TO ATMOSPHERE
P11	6"	FROM M2 TO PP2
P12	4"	FROM PP2 TO F2
P13	4"	FROM F2 TO TEACHING/ EXERCISE POOL INLETS
P14	3"	FROM P12 TO BACKWASH CATCH BASIN
P15	4"	FROM F2 TO BACKWASH CATCH BASIN
P16	2"	FROM P13 TO H2
P17	2"	FROM H2 TO P13
P18	8"	FROM M2 TO PP3
P19	6"	FROM PP3 TO TEACHING/EXERCISE POOL VORTEX NOZZLES
P20	6"	FROM TEACHING/ EXERCISE POOL GUTTER DROPOUT BOX TO SURGE TANK
P21	6"	FROM TEACHING/ EXERCISE POOL GUTTER DROPOUT BOX TO SURGE TANK
P22	3"	FROM TEACHING/ EXERCISE SURGE TANK TO ATMOSPHERE
P23	8"	FROM M3 TO PP4
P24	6"	FROM PP4 TO F3
P25	6"	FROM F3 TO WADING POOL INLETS
P26	3"	FROM P24 TO BACKWASH CATCH BASIN
P27	4"	FROM F3 TO BACKWASH CATCH BASIN
P28	2 1/2"	FROM P25 TO H3
P29	2 1/2"	FROM H3 TO P25
P30	6"	FROM M3 TO PP5
P31	6"	FROM PP5 TO WADING POOL FEATURE VALVE BOX
P32	2"	FROM WADING POOL FEATURE VALVE BOX TO WATER JELLY
P33	2"	FROM WADING POOL FEATURE VALVE BOX TO WATER JELLY
P34	4"	FROM WADING POOL FEATURE VALVE BOX TO PLAY NUK NO.3 PLAY STRUCTURE
P35	2 1/2"	FROM WADING POOL FEATURE VALVE BOX TO WATER TUNNEL
P36	1 1/2"	FROM WADING POOL FEATURE VALVE BOX TO BOBBLE NO.2
P37	2"	FROM WADING POOL FEATURE VALVE BOX TO CASCADE RAINFOREST
P38	3"	FROM WADING POOL SURGE TANK TO ATMOSPHERE
P39	8"	FROM WADING POOL GUTTER DROPOUT BOX TO SURGE TANK
P40	8"	FROM WADING POOL GUTTER DROPOUT BOX TO SURGE TANK
P41	10"	FROM M5 TO PP6
P42	12"	FROM PP6 TO F4
P43	10"	FROM M4 TO PP7
P44	12"	FROM PP4 TO P42
P45	12"	FROM F4 TO LEISURE POOL RETURN MANIFOLD
P46	8"	FROM LEISURE POOL RETURN MANIFOLD TO LEISURE POOL OPEN AREA RETURN INLETS
P47	8"	FROM LEISURE POOL RETURN MANIFOLD TO LEISURE POOL ZERO ENTRY AREA RETURN INLETS
P48	3"	FROM LEISURE POOL RETURN MANIFOLD TO WATERSLIDE PLUNGE AREA RETURN INLETS
P49	4"	FROM P42 TO BACKWASH CATCH BASIN
P50	6"	FROM F4 TO BACKWASH CATCH BASIN
P51	4"	FROM P45 TO H4
P52	4"	FROM H4 TO P45
P53	8"	FROM M5 TO PP8
P54	10"	FROM M6 TO PP10
P55	8"	FROM M4 TO PP9
P56	8"	FROM LEISURE POOL GUTTER DROPOUT BOX TO SURGE TANK
P57	8"	FROM LEISURE POOL GUTTER DROPOUT BOX TO SURGE TANK
P58	10"	FROM LEISURE POOL GUTTER DROPOUT BOXES TO SURGE TANK
P59	10"	FROM LEISURE POOL GUTTER DROPOUT BOXES TO SURGE TANK
P60	6"	FROM PP9 TO WATERSLIDE 2
P61	8"	FROM PP10 TO WATERSLIDE 3
P62	6"	FROM PP8 TO WATERSLIDE 1
P63	3"	FROM LEISURE POOL SURGE TANK TO ATMOSPHERE
P64	4"	FROM SPRAYGROUND BALANCE TANK TO PP11
P65	4"	FROM PP11 TO F5
P66	4"	FROM F5 TO SPRAYGROUND BALANCE TANK
P67	3"	FROM F5 TO BACKWASH CATCH BASIN
P68	3"	FROM P65 TO BACKWASH CATCH BASIN
P69	6"	FROM SPRAYGROUND BALANCE TANK TO PP12
P70	6"	FROM PP12 TO SPRAYGROUND FEATURE VALVE BOX
P71	3"	FROM SPRAYGROUND BALANCE TANK TO ATMOSPHERE
P72	8"	FROM RAIN DIVERTER TO SPRAYGROUND BALANCE TANK (V.I.F)
P73	8"	FROM SPRAYGROUND TO RAIN DIVERTER (V.I.F)

ISSUED FOR CONSTRUCTION



10 S Patterson Blvd
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1 937.224.4474



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400 S. Heincke Road
Miamisburg, 45342

ISSUANCES

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	01/17/25
1	CONFORMED SET	03/14/25

Drawn By

TCH

Checked By

MJM

Client

Number

948 1/17/2025

Project

Number

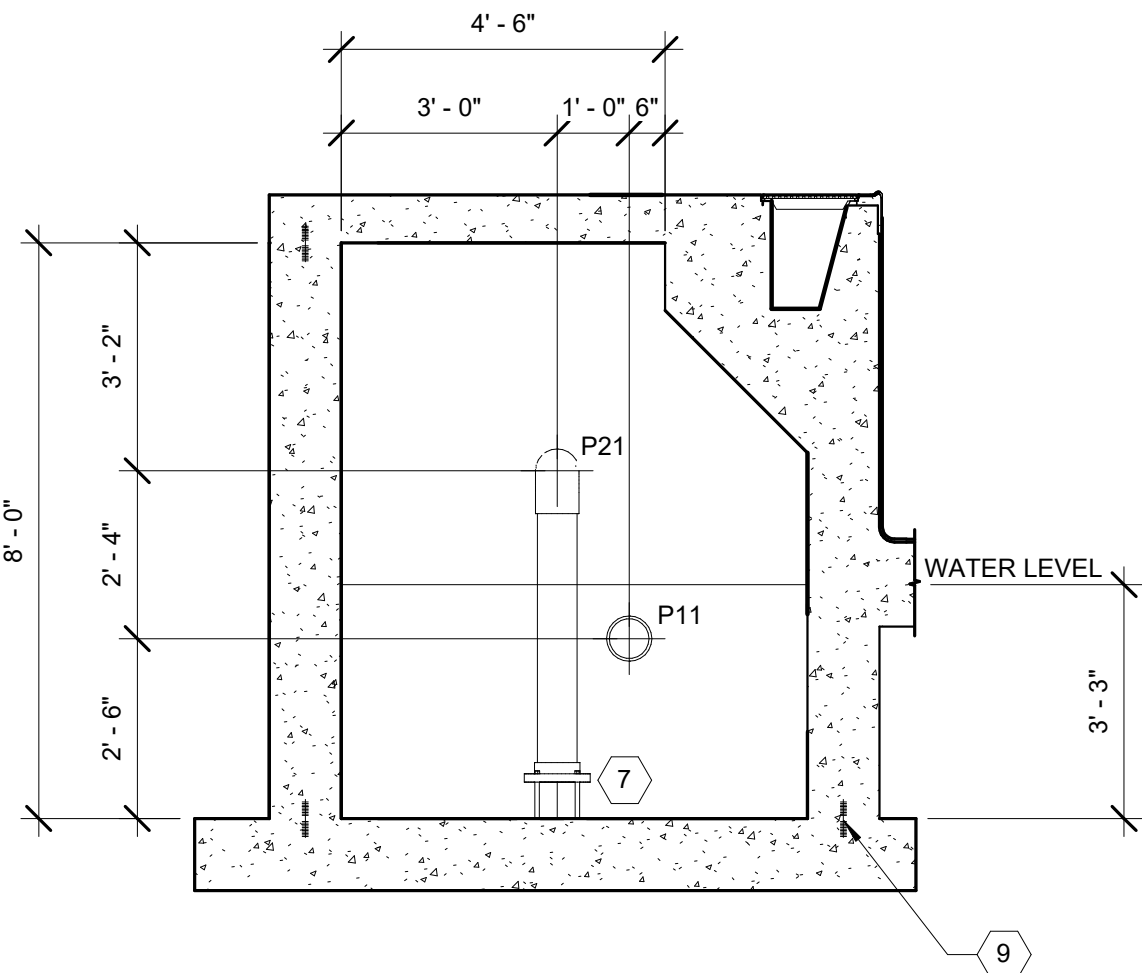
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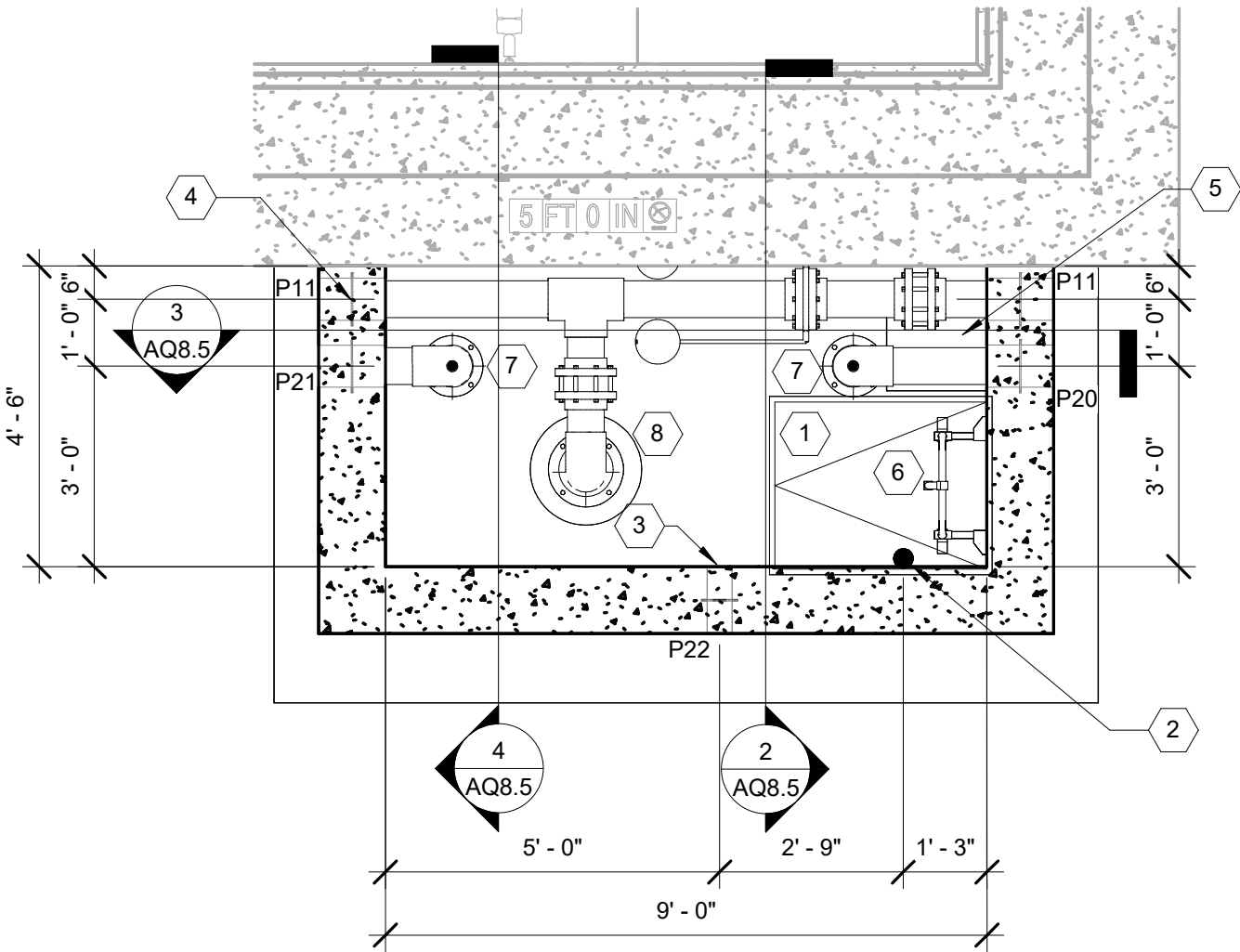
LAP POOL SURGE
TANK PLANS &
SECTIONS

SHEET NO.

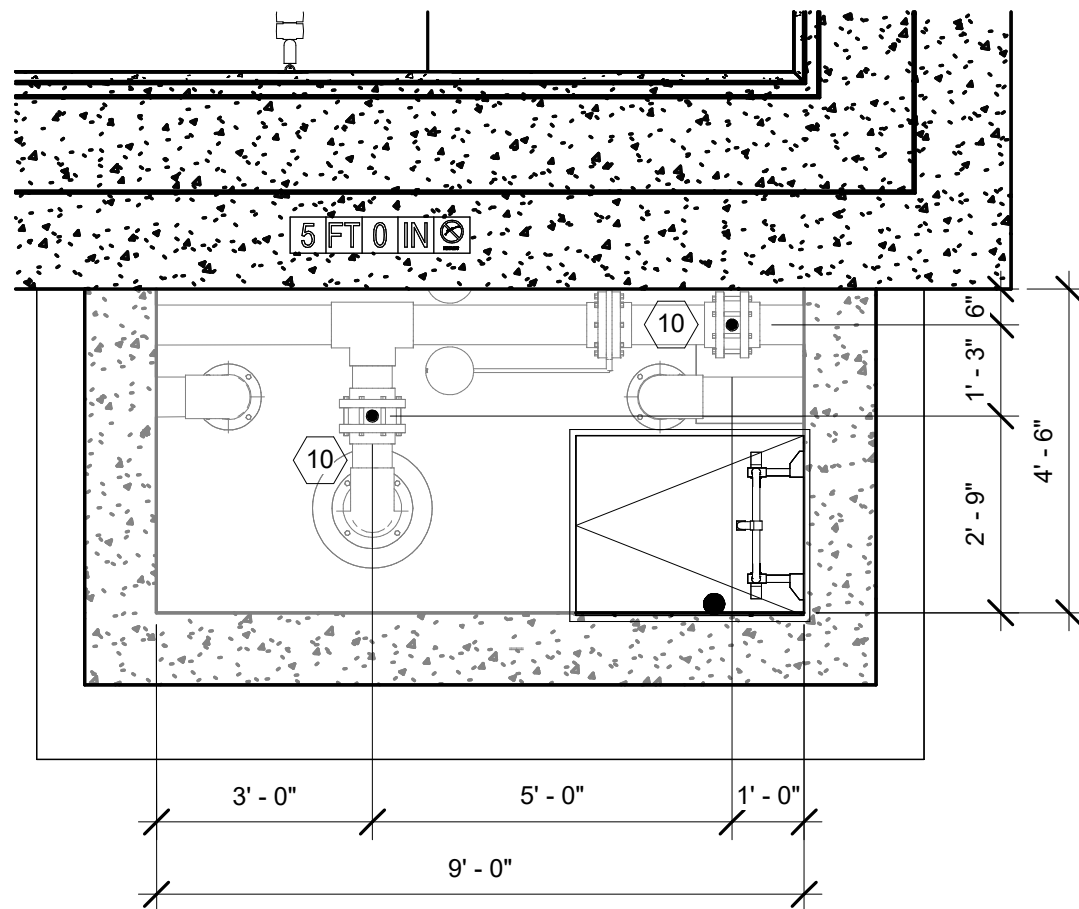
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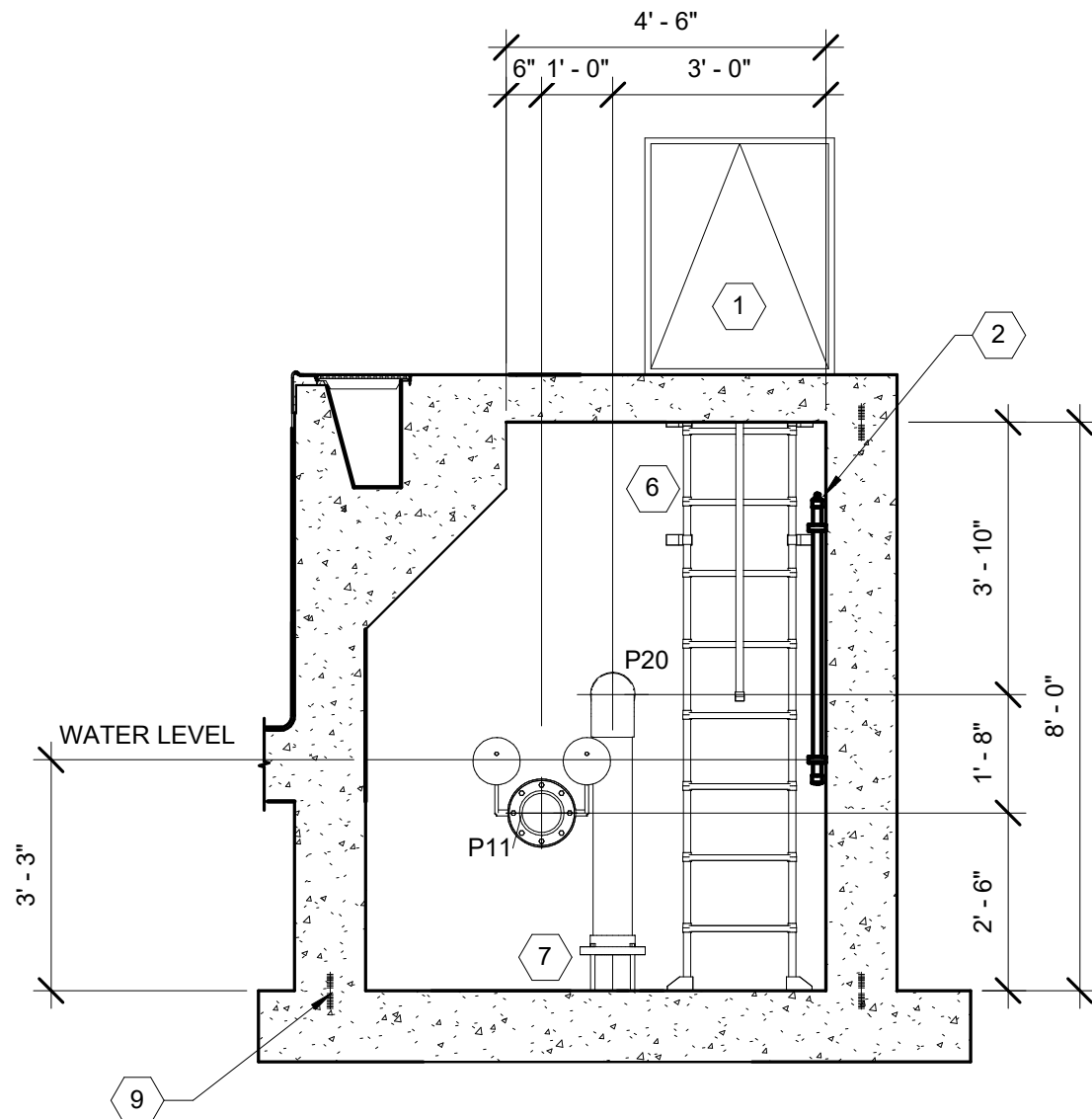
4 TEACHING/EXERCISE POOL SURGE TANK SECTION
3/8" = 1'-0"



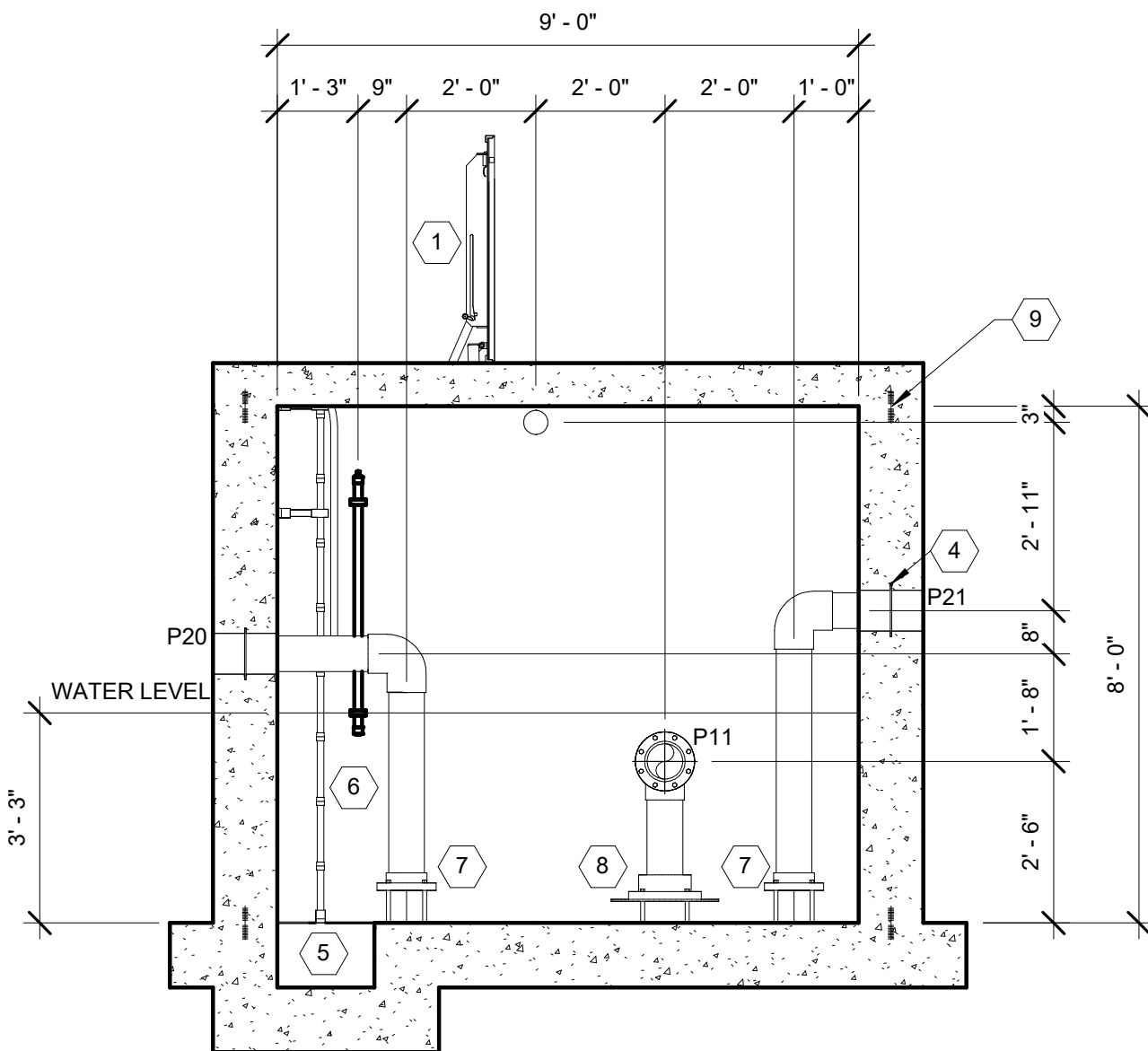
1 TEACHING/EXERCISE SURGE TANK PLAN
3/8" = 1'-0"



5 TEACHING/EXERCISE POOL SURGE TANK VALVE EXTENSION PLAN
3/8" = 1'-0"



2 TEACHING/EXERCISE POOL SURGE TANK SECTION
3/8" = 1'-0"



3 TEACHING/EXERCISE POOL SURGE TANK SECTION
3/8" = 1'-0"

SURGE TANK NOTES

1. A WATERPROOFING COATING MUST BE PROVIDED TO ALL INTERIOR SURFACES OF SURGE TANK INCLUDING LID.
2. PROVIDE WATER TIGHT PIPE PENETRATIONS AND INTERFACES WITHIN THE SURGE TANK.
3. REFER TO POOL STRUCTURAL DRAWINGS FOR SURGE TANK STRUCTURAL SHELL DESIGN.
4. SLEEVES IN SLAB OVER SURGE TANK FOR VALVE EXTENSIONS POSITIONED DIRECTLY ABOVE SURGE TANK VALVES BELOW MUST BE COORDINATED.
5. DRILL 1" DIAMETER HOLE ON TOP OF ELBOW. TYPICAL ALL GUTTER DROPOUT LINES.
6. POLYPROPYLENE LADDER WITH PULL-UP HANDRAIL MUST BE PROVIDED.
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8. PVC ANTI-VORTEX PLATE MUST BE MINIMUM 2.5 TIMES CONNECTING PIPE DIAMETER UP TO 24" AND 4" A.F.F.
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EQUIPMENT SCHEDULE

ID	ITEM
1	ACCESS HATCH REFER: 5 / AQ8.13
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3	SURGE TANK VENT REFER: 3 / AQ8.13
4	WATER SEAL (TYP. ALL PENETRATIONS) REFER: 6 / AQ8.10
5	SUMP
6	SURGE TANK LADDER REFER: 2 / AQ8.13
7	SUPPORT FLANGE
8	ANTI-VORTEX PLATE
9	WATERSTOP
10	VALVE EXTENSION REFER: 6 / AQ8.13

PIPE SCHEDULE

TYPE	DIAMETER	DESCRIPTION
P1	10"	FROM M1 TO PP1
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P5	6"	FROM F1 TO BACKWASH CATCH BASIN
P6	4"	FROM P3 TO H1
P7	4"	FROM H1 TO P3
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P9	10"	FROM LAP POOL GUTTER DROPOUT BOX TO SURGE TANK
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P13	4"	FROM F2 TO TEACHING/ EXERCISE POOL INLETS
P14	3"	FROM P12 TO BACKWASH CATCH BASIN
P15	4"	FROM F2 TO BACKWASH CATCH BASIN
P16	2"	FROM P13 TO H2
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P51	4"	FROM P45 TO H4
P52	4"	FROM H4 TO P45
P53	8"	FROM M5 TO PP8
P54	10"	FROM M6 TO PP10
P55	8"	FROM M4 TO PP9
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P62	6"	FROM PP8 TO WATERSLIDE 1
P63	3"	FROM LEISURE POOL SURGE TANK TO ATMOSPHERE
P64	4"	FROM SPRAYGROUND BALANCE TANK TO PP11
P65	4"	FROM PP11 TO F5
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1	CONFORMED SET	03/14/25

Drawn By

TCH

Checked By

MJM

Client

Number

948

Project

Number

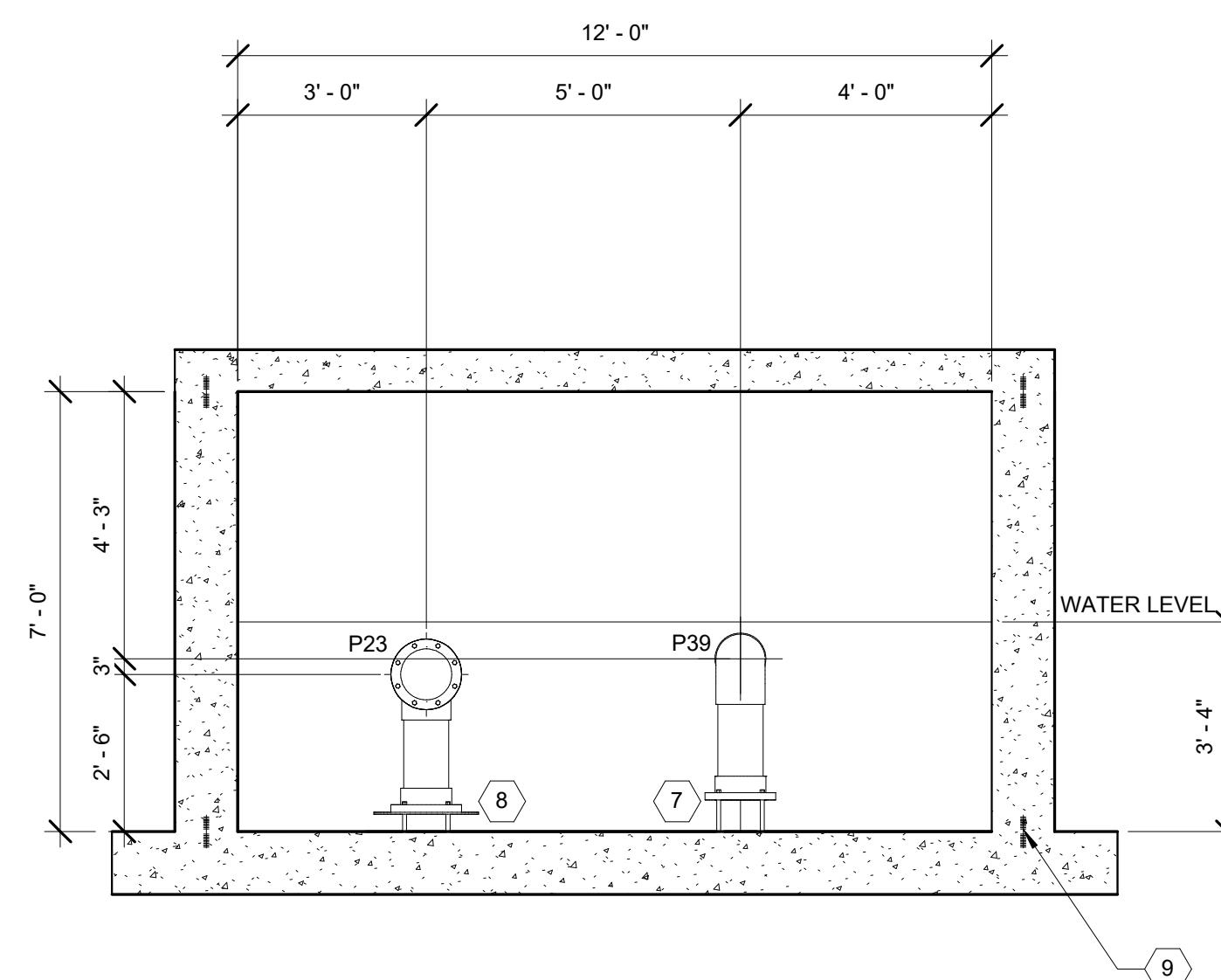
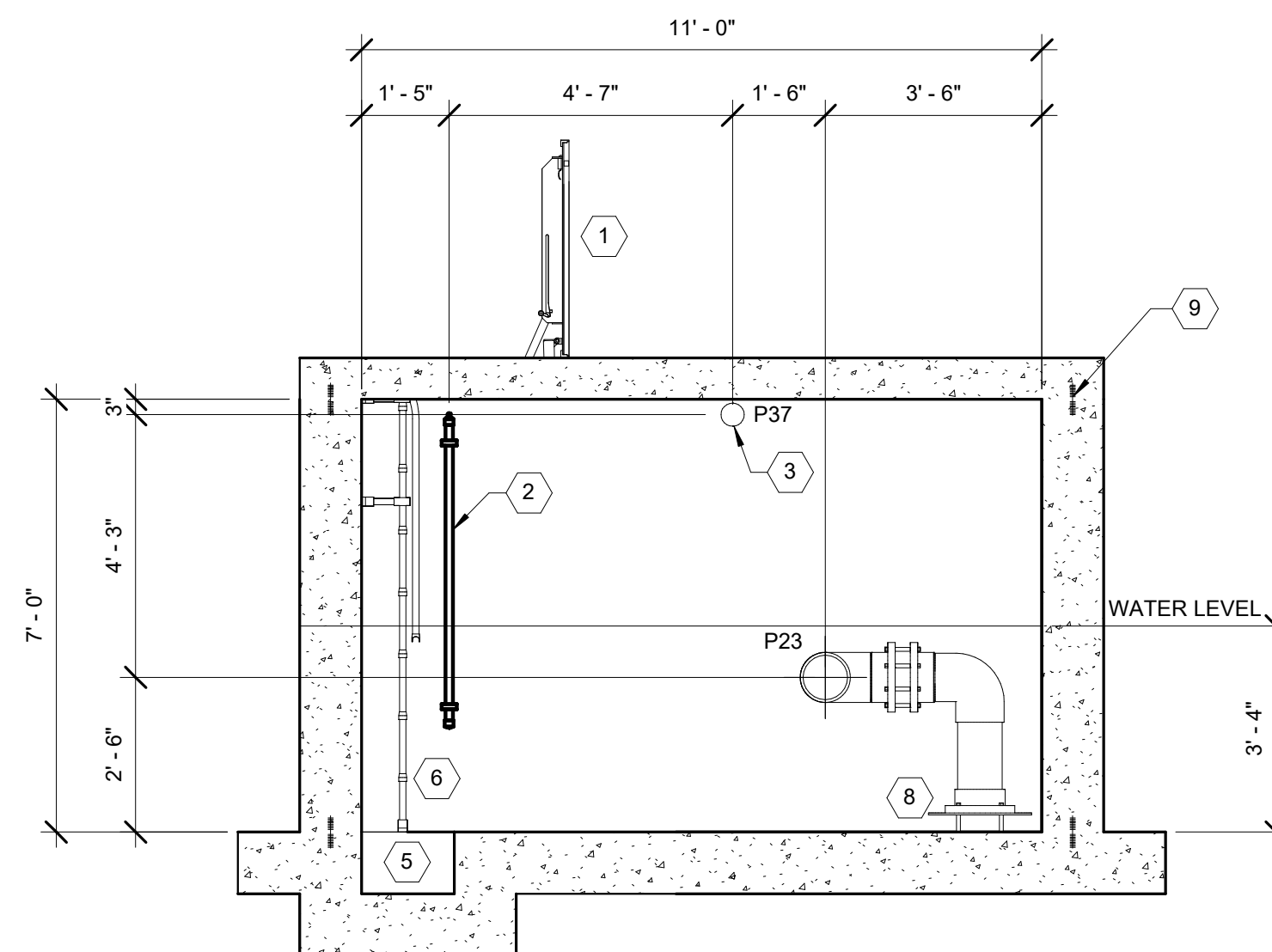
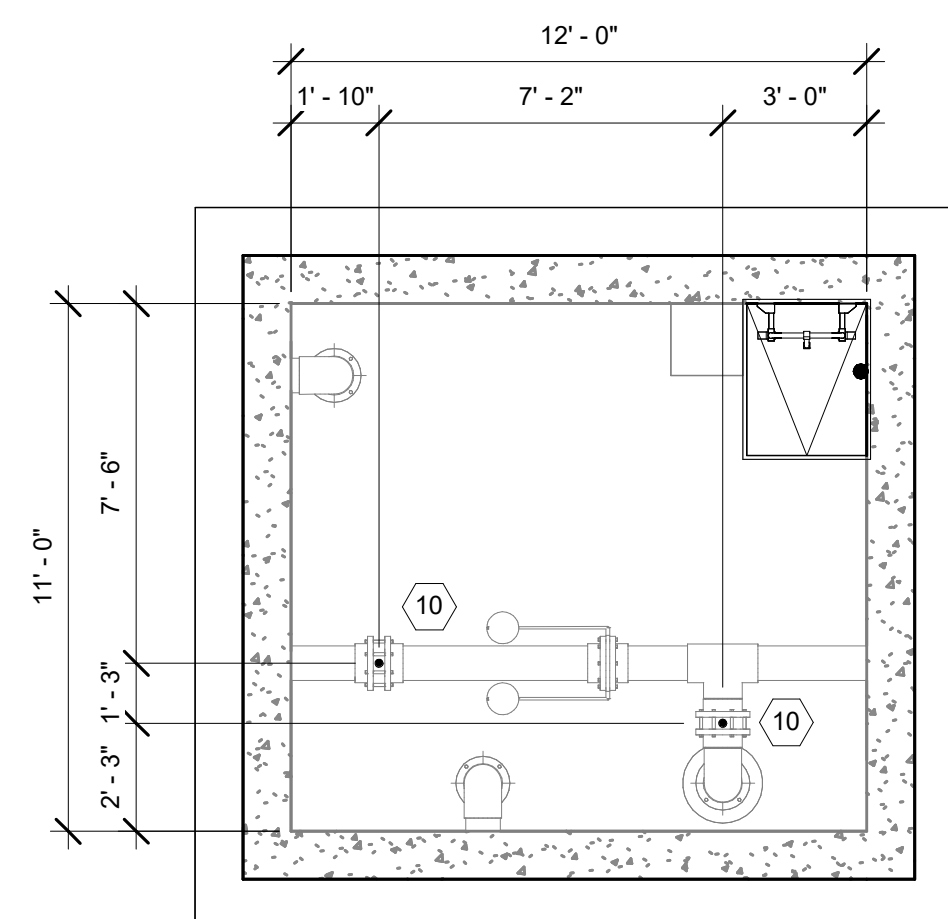
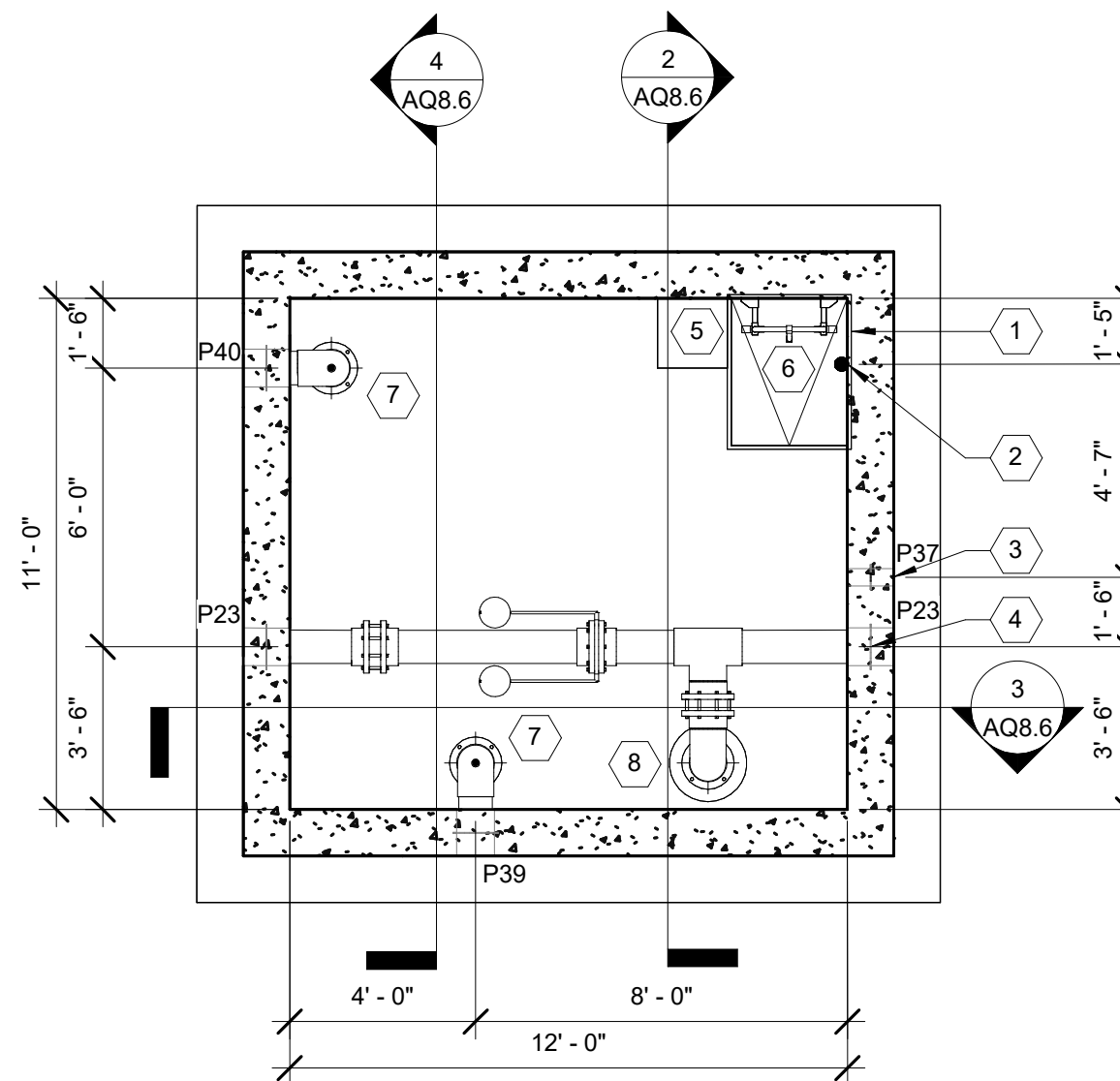
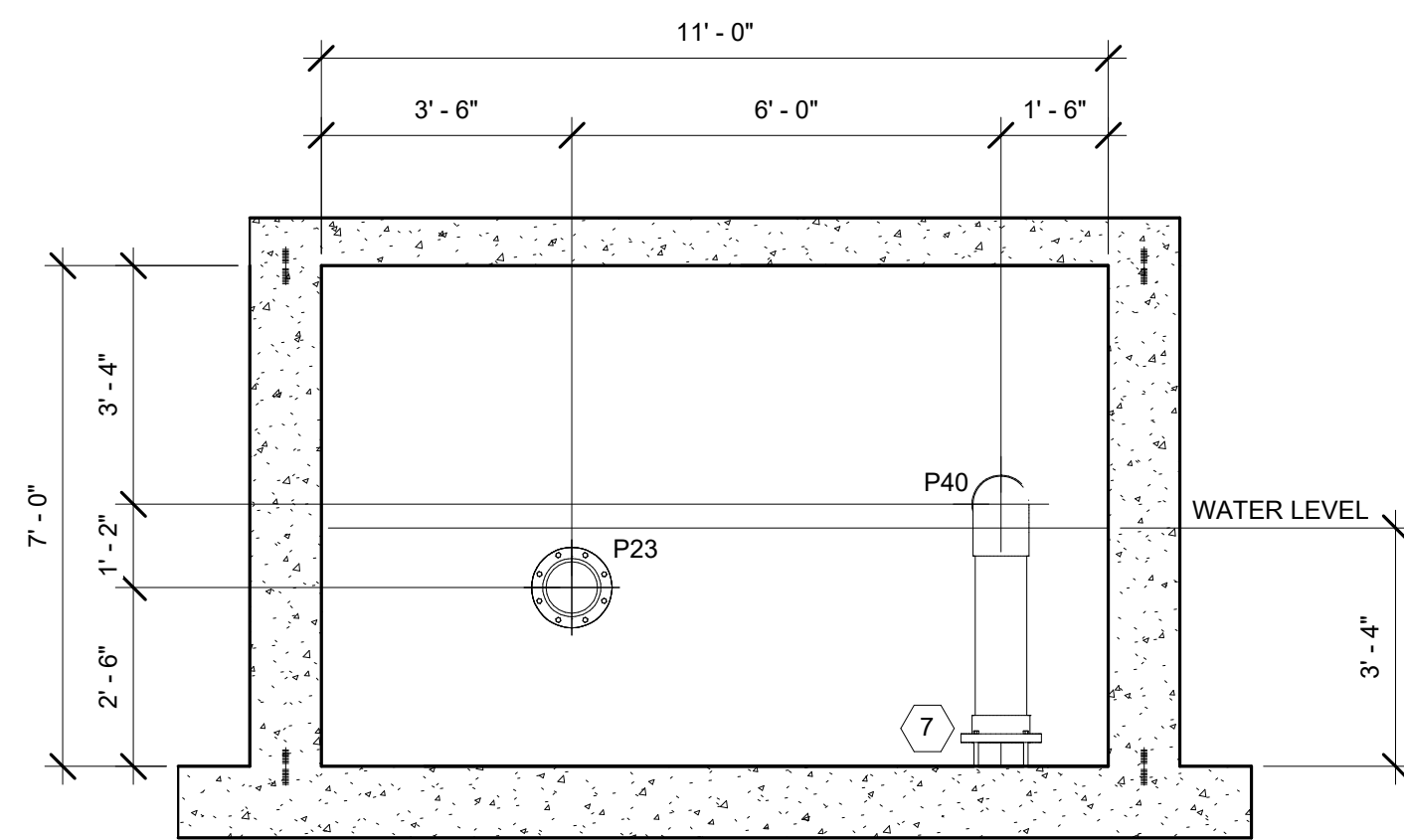
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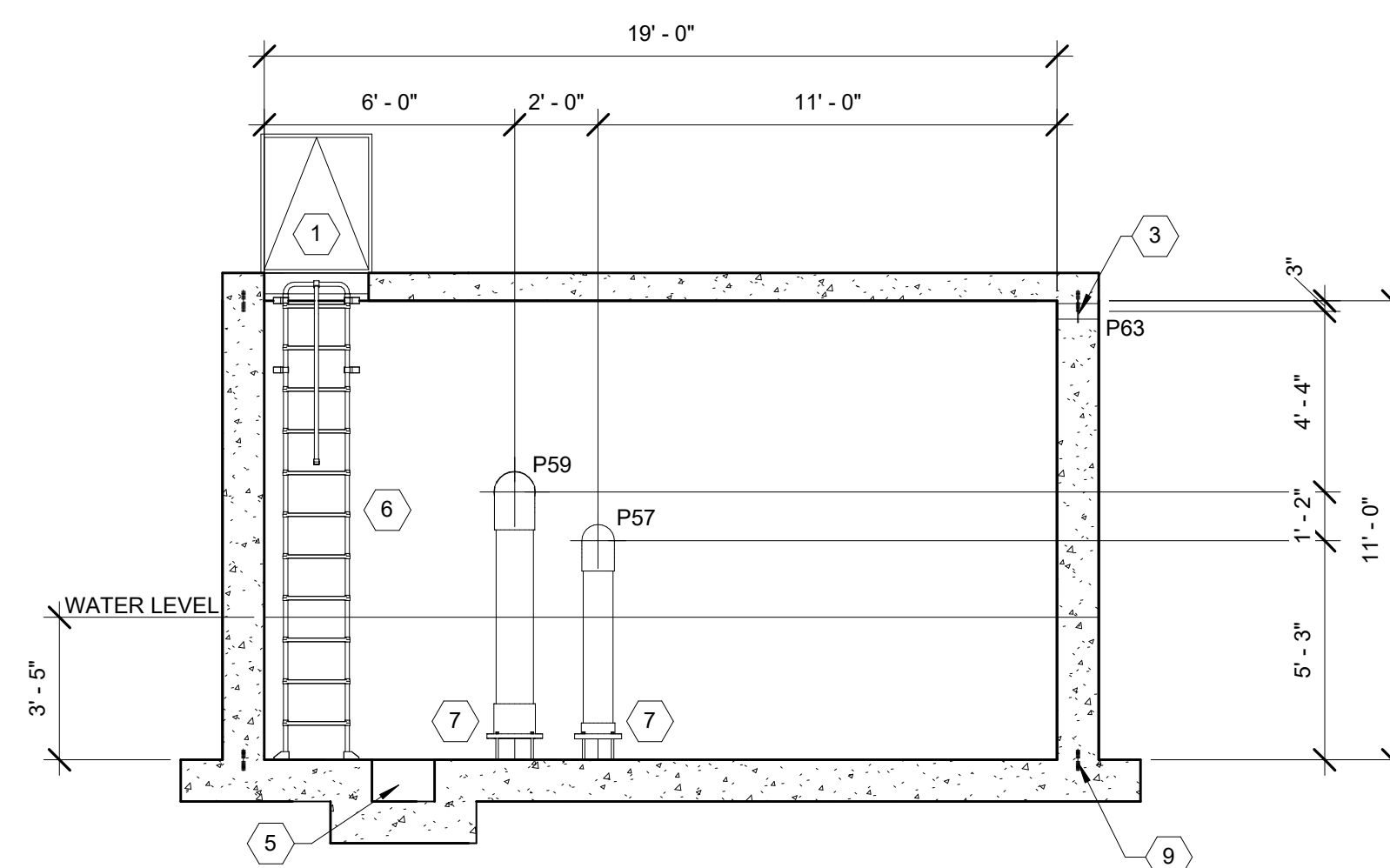
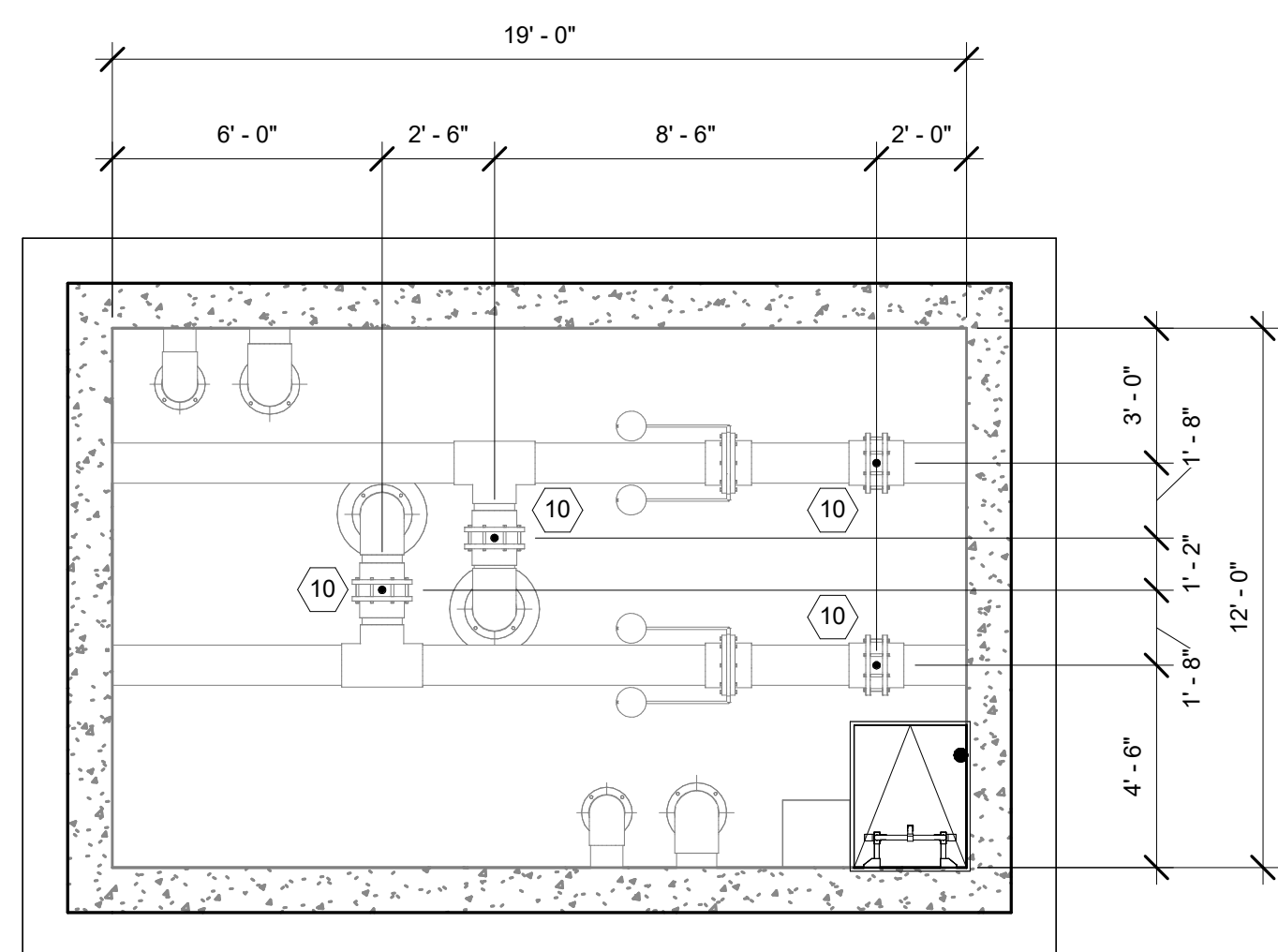
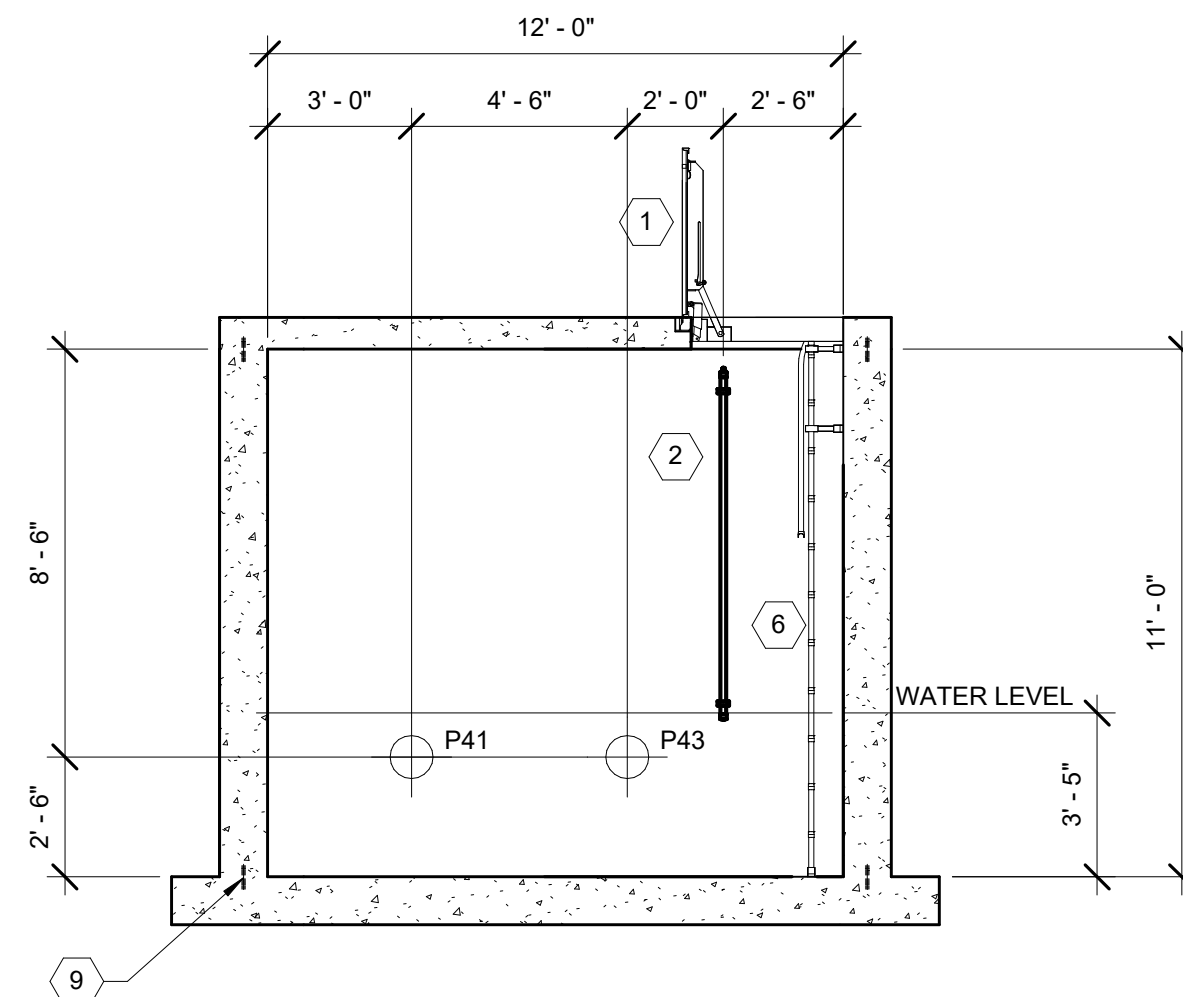
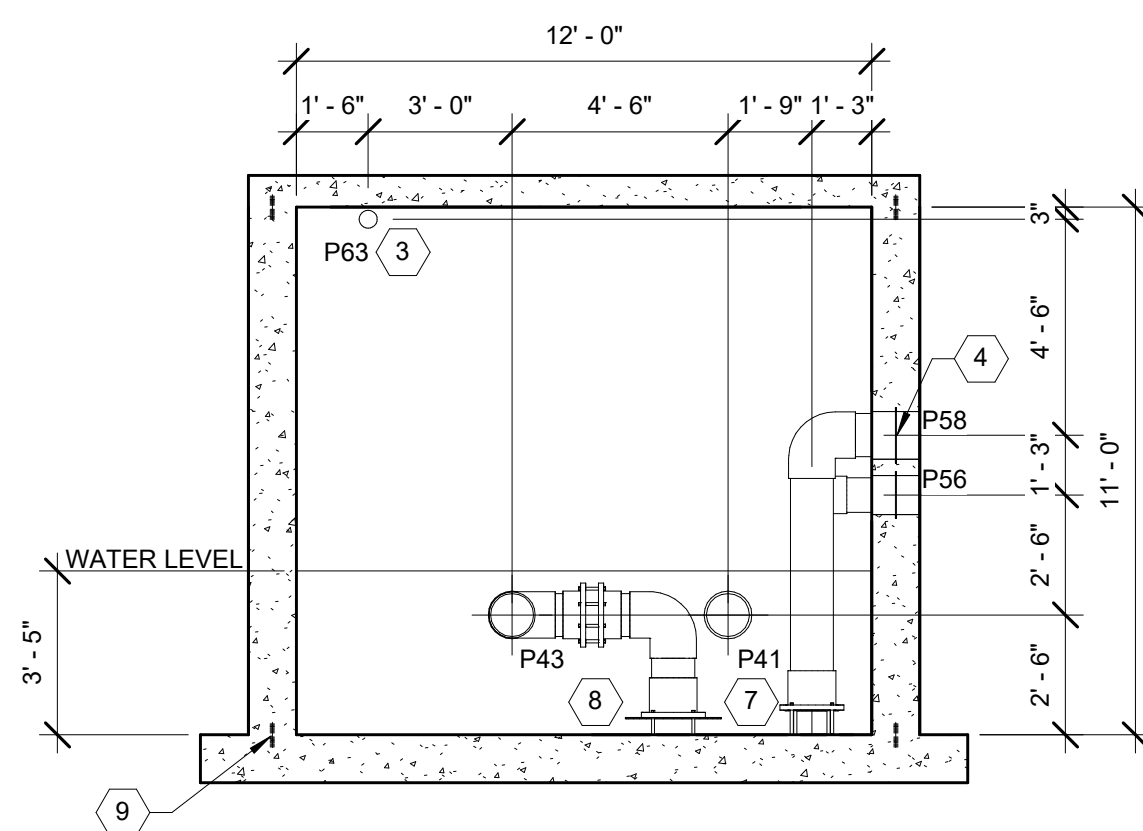
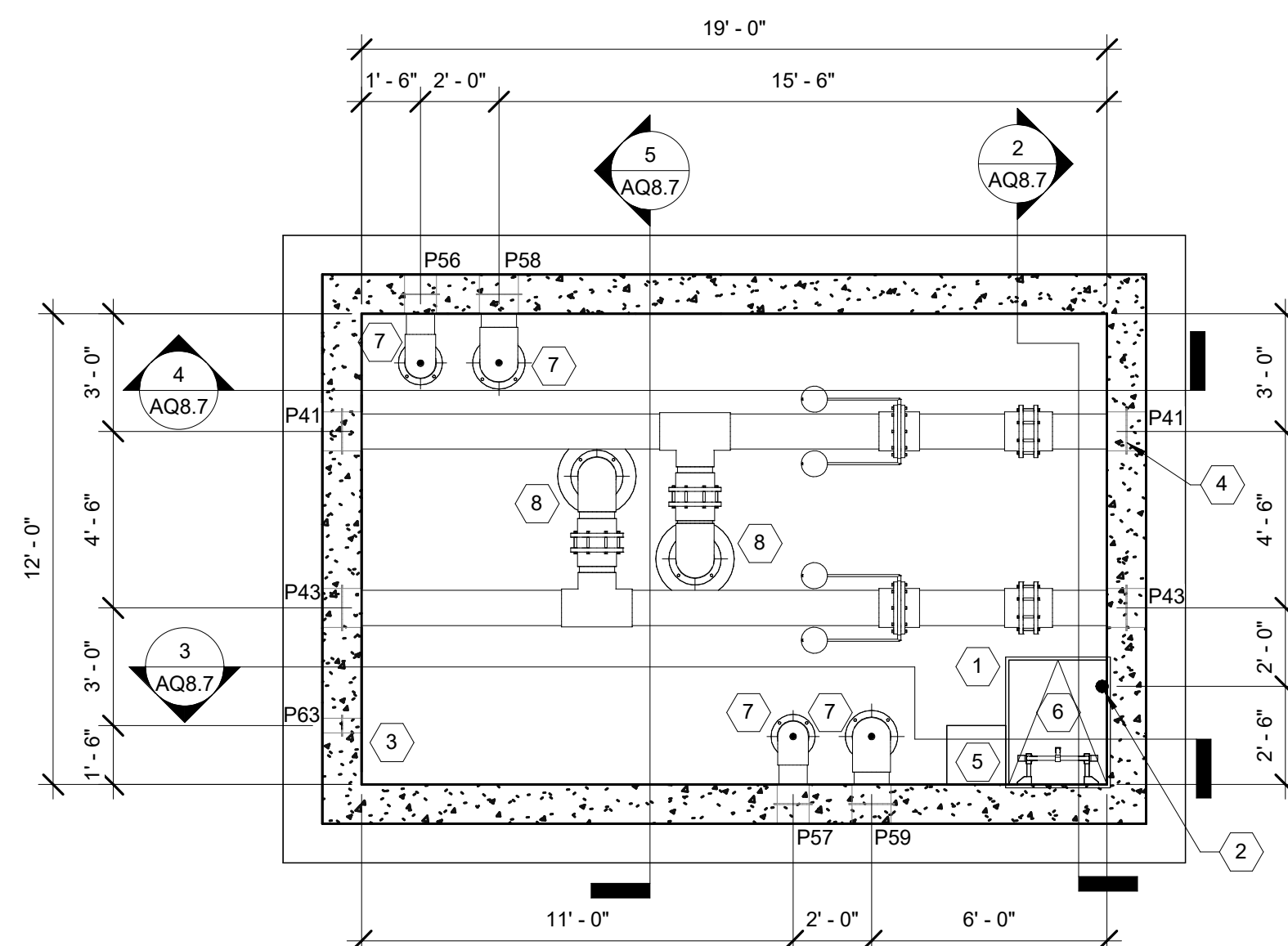
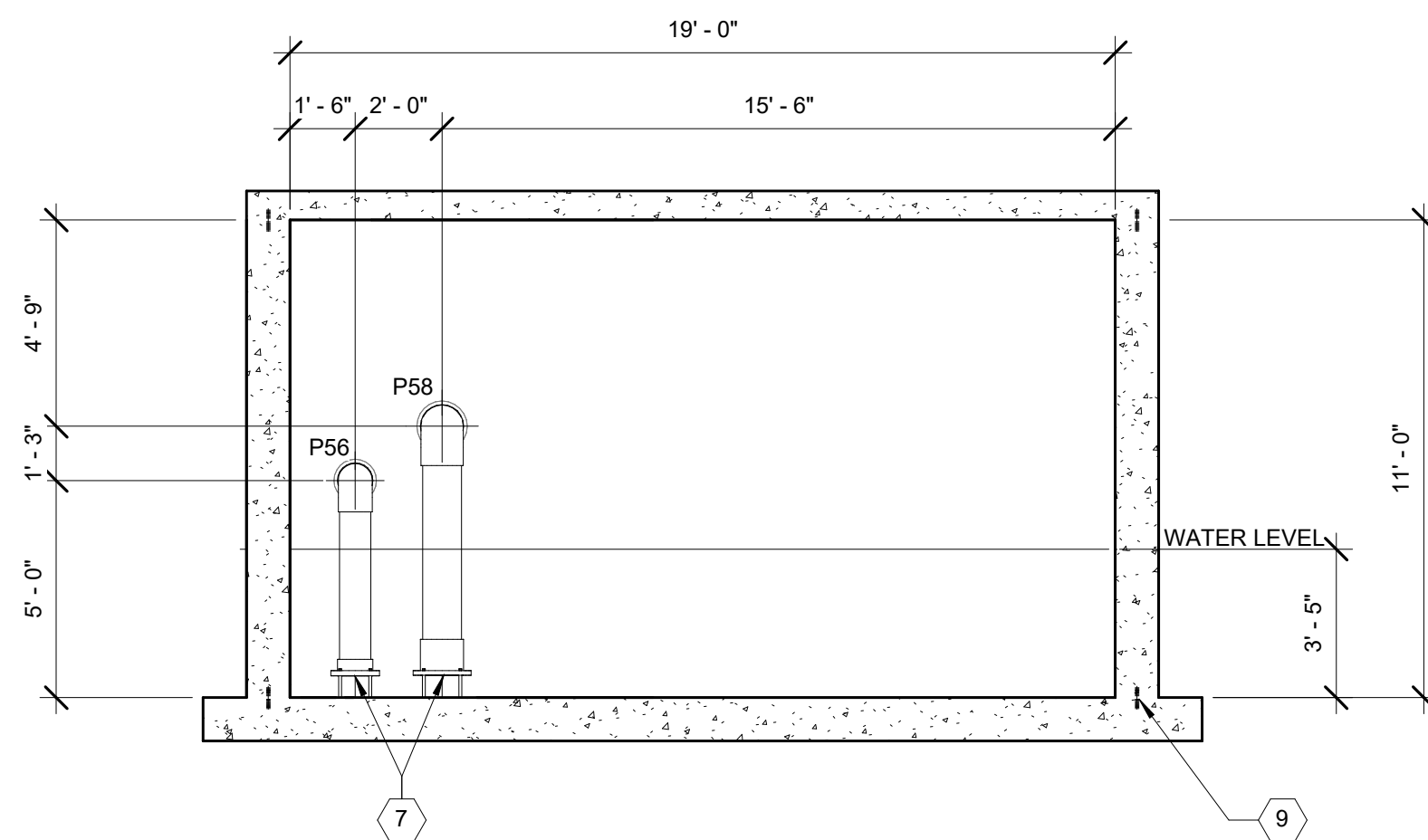
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TEACHING /
EXERCISE POOL
SURGE TANK PLANS
& SECTIONS

SHEET NO.

AQ8.5





BALANCE TANK NOTES

1. A WATERPROOFING COATING MUST BE PROVIDED TO ALL INTERIOR SURFACES OF BALANCE TANK INCLUDING LID.
2. PROVIDE WATER TIGHT PIPE PENETRATIONS AND INTERFACES WITHIN THE BALANCE TANK.
3. REFER TO POOL STRUCTURAL DRAWINGS FOR BALANCE TANK STRUCTURAL SHELL DESIGN.
4. SLEEVES IN SLAB OVER BALANCE TANK FOR VALVE EXTENSIONS POSITIONED DIRECTLY ABOVE BALANCE TANK VALVES BELOW MUST BE COORDINATED.
5. DRILL 1" DIAMETER HOLE ON TOP OF ELBOW. TYPICAL GRAVITY DRAIN LINE FROM SPRAYGROUND.
6. POLYPROPYLENE LADYPOUR WITH FILL-UP HANDRAIL MUST BE PROVIDED.
7. REFER TO POOL STRUCTURAL DRAWINGS FOR FASTER STOPS.
8. PVC ANTI-VORTEX PLATE MUST BE MINIMUM 2.5 TIMES CONNECTING PIPE DIAMETER UP TO 24" AND 4" A.F.F.
9. PROVIDE SUPPORT DRAWINGS WITH FOUR (4) LEGS EQUAL TO NOMINAL PIPE DIAMETER, BUT NOT LESS THAN 6" A.F.F.
10. PROVIDE 18"x18"x12" DEEP SUMP LOCATED NEAR ACCESS HATCH.

PIPE SCHEDULE

TYPE	DIAMETER	DESCRIPTION
P1	10"	FROM M1 TO PP1
P2	8"	FROM PP1 TO F1
P3	8"	FROM F1 TO LAP POOL INLETS
P4	3"	FROM P2 TO BACKWASH CATCH BASIN
P5	6"	FROM F1 TO BACKWASH CATCH BASIN
P6	4"	FROM P3 TO H1
P7	4"	FROM H1 TO P3
P8	10"	FROM LAP POOL GUTTER DROPOUT BOX TO SURGE TANK
P9	10"	FROM LAP POOL GUTTER DROPOUT BOX TO SURGE TANK
P10	3"	FROM LAP POOL SURGE TANK TO ATMOSPHERE
P11	6"	FROM M2 TO PP2
P12	4"	FROM PP2 TO F2
P13	4"	FROM F2 TO TEACHING/ EXERCISE POOL INLETS
P14	3"	FROM P12 TO BACKWASH CATCH BASIN
P15	4"	FROM F2 TO BACKWASH CATCH BASIN
P16	2"	FROM P13 TO H2
P17	2"	FROM H2 TO P13
P18	8"	FROM M2 TO PP3
P19	6"	FROM PP3 TO TEACHING/EXERCISE POOL VORTEX NOZZLES
P20	6"	FROM TEACHING/ EXERCISE POOL GUTTER DROPOUT BOX TO SURGE TANK
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P22	3"	FROM TEACHING/ EXERCISE SURGE TANK TO ATMOSPHERE
P23	8"	FROM M3 TO PP4
P24	6"	FROM PP4 TO F3
P25	6"	FROM F3 TO WADING POOL INLETS
P26	3"	FROM P24 TO BACKWASH CATCH BASIN
P27	4"	FROM F3 TO BACKWASH CATCH BASIN
P28	2 1/2"	FROM P25 TO H3
P29	2 1/2"	FROM H3 TO P25
P30	6"	FROM M3 TO PP5
P31	6"	FROM PP5 TO WADING POOL FEATURE VALVE BOX
P32	2"	FROM WADING POOL FEATURE VALVE BOX TO WATER JELLY
P33	2"	FROM WADING POOL FEATURE VALVE BOX TO WATER JELLY
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P51	4"	FROM P45 TO H4
P52	4"	FROM H4 TO P45
P53	8"	FROM M5 TO PP8
P54	10"	FROM M6 TO PP10
P55	8"	FROM M4 TO PP9
P56	8"	FROM LEISURE POOL GUTTER DROPOUT BOX TO SURGE TANK
P57	8"	FROM LEISURE POOL GUTTER DROPOUT BOX TO SURGE TANK
P58	10"	FROM LEISURE POOL GUTTER DROPOUT BOXES TO SURGE TANK
P59	10"	FROM LEISURE POOL GUTTER DROPOUT BOXES TO SURGE TANK
P60	6"	FROM PP9 TO WATERSLIDE 2
P61	8"	FROM PP10 TO WATERSLIDE 3
P62	6"	FROM PP8 TO WATERSLIDE 1
P63	3"	FROM LEISURE POOL SURGE TANK TO ATMOSPHERE
P64	4"	FROM SPRAYGROUND BALANCE TANK TO PP11
P65	4"	FROM PP11 TO F5
P66	4"	FROM F5 TO SPRAYGROUND BALANCE TANK
P67	3"	FROM F5 TO BACKWASH CATCH BASIN
P68	3"	FROM P65 TO BACKWASH CATCH BASIN
P69	6"	FROM SPRAYGROUND BALANCE TANK TO PP12
P70	6"	FROM PP12 TO SPRAYGROUND FEATURE VALVE BOX
P71	3"	FROM SPRAYGROUND BALANCE TANK TO ATMOSPHERE
P72	8"	FROM RAIN DIVERTER TO SPRAYGROUND BALANCE TANK (V.I.F)
P73	8"	FROM SPRAYGROUND TO RAIN DIVERTER (V.I.F)



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ISSUANCES

[illegible]

Drawn By

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Client

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Project	
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Number
738:

DRAWING TITLE

LEISURE POOL SURGE TANK PLANS & SECTIONS

SHEET NO.

AQ8.7

ISSUED FOR CONSTRUCTION

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3/13/2025 8:21:59 AM

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No.	Description	Date
0	ISSUED FOR CONSTRUCTION	01/17/25
1	CONFORMED SET	03/14/25

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948

Project

Number

7383

DRAWING TITLE

SPRAYGROUND
BALANCE TANK PLAN
& SECTIONS

SHEET NO.

AQ8.8

BALANCE TANK NOTES

1. A WATERPROOFING COATING MUST BE PROVIDED TO ALL INTERIOR SURFACES OF BALANCE TANK INCLUDING LID.
2. PROVIDE WATER TIGHT PIPE PENETRATIONS AND INTERFACES WITHIN THE BALANCE TANK.
3. REFER TO POOL STRUCTURAL DRAWINGS FOR BALANCE TANK STRUCTURAL SHELL DESIGN.
4. SLEEVES IN SLAB OVER BALANCE TANK FOR VALVE EXTENSIONS POSITIONED DIRECTLY ABOVE BALANCE TANK VALVES BELOW MUST BE COORDINATED.
5. DRILL 1" DIAMETER HOLE ON TOP OF ELBOW. TYPICAL GRAVITY DRAIN LINE FROM SPRAYGROUND.
6. POLYPROPYLENE LADDER WITH PULL-UP HANDRAIL MUST BE PROVIDED.
7. REFER TO POOL STRUCTURAL DRAWINGS FOR WATER STOPS.
8. PVC ANTI-VORTEX PLATE MUST BE MINIMUM 2.5 TIMES CONNECTING PIPE DIAMETER UP TO 24" AND 4" A.F.F.
9. PROVIDE SUPPORT FLANGES WITH FOUR (4) LEGS EQUAL TO NOMINAL PIPE DIAMETER, BUT NOT LESS THAN 6" A.F.F.
10. PROVIDE 18"x18"x12" DEEP SUMP LOCATED NEAR ACCESS HATCH.

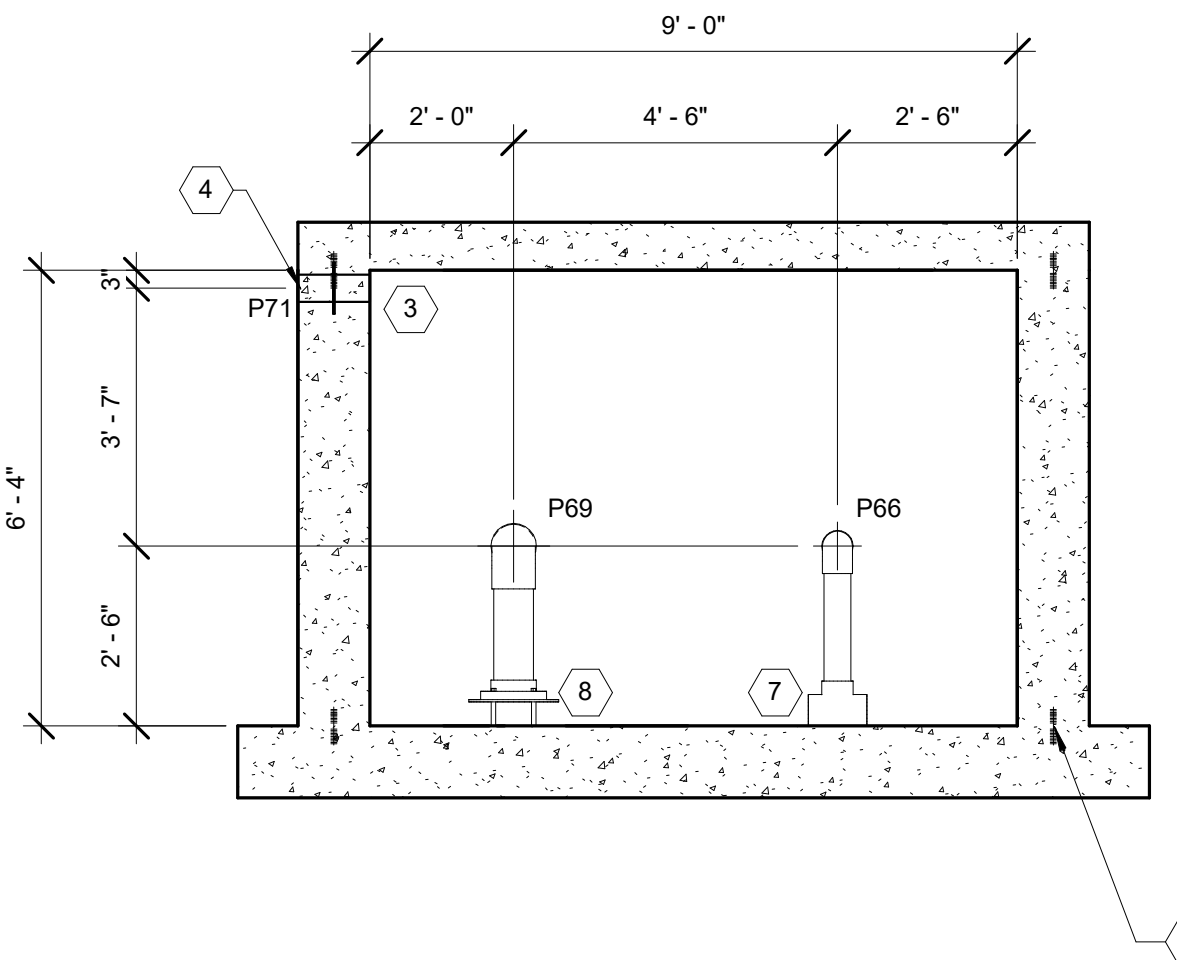
EQUIPMENT SCHEDULE

ID	ITEM
1	ACCESS HATCH REFER: 5 / AQ8.13
2	WATER LEVEL CONTROLLER REFER: 3 / AQ8.12
3	BALANCE TANK VENT REFER: 3 / AQ8.13
4	WATER SEAL (TYP ALL PENETRATIONS) REFER: 6 / AQ8.10
5	SUMP
6	BALANCE TANK LADDER REFER: 2 / AQ8.13
7	SUPPORT TEE REFER: 7 / AQ8.13
8	ANTI-VORTEX PLATE
9	WATERSTOP
10	SUPPORT FLANGE

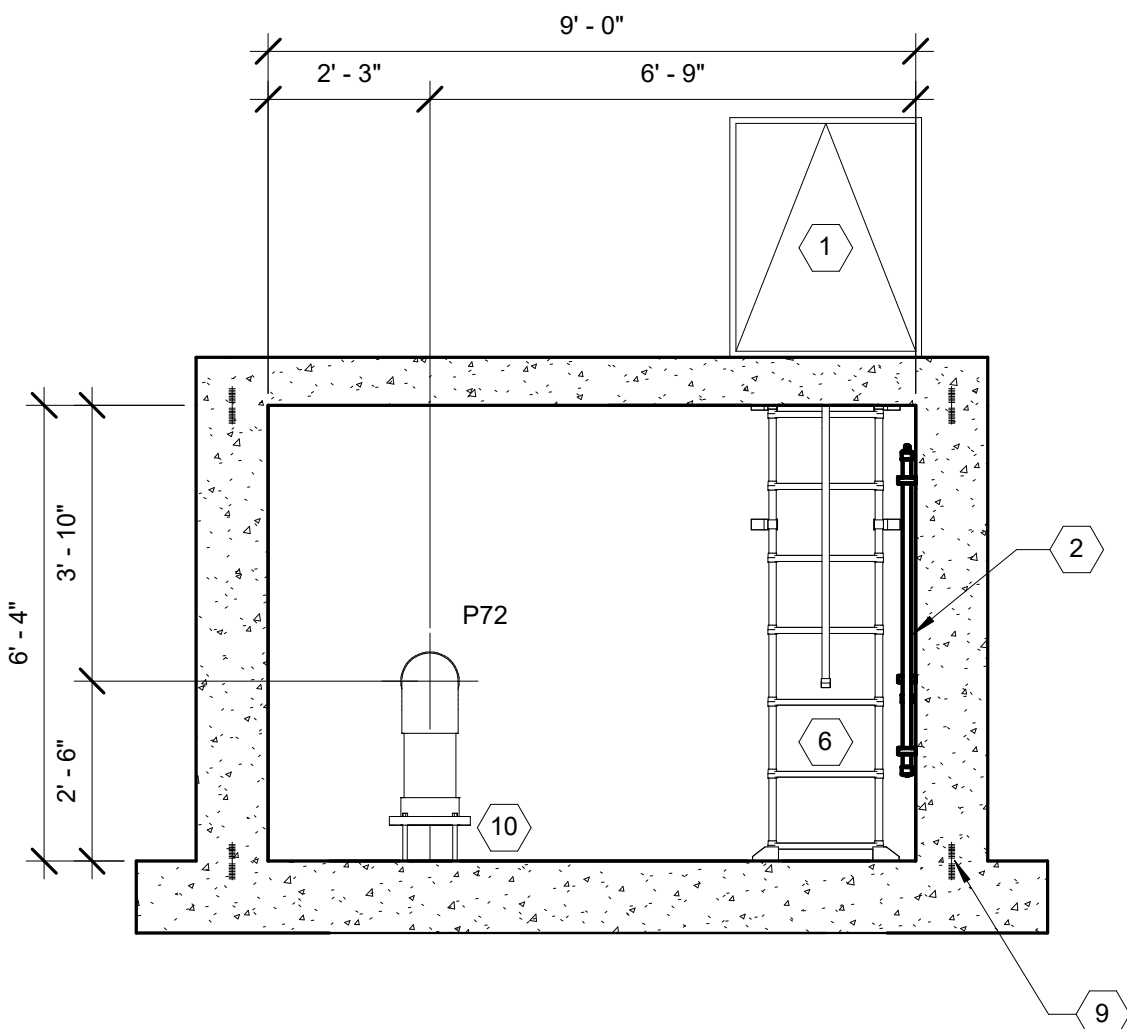
PIPE SCHEDULE

TYPE	DIAMETER	DESCRIPTION
P1	10"	FROM M1 TO PP1
P2	8"	FROM PP1 TO F1
P3	8"	FROM F1 TO LAP POOL INLETS
P4	3"	FROM P2 TO BACKWASH CATCH BASIN
P5	6"	FROM F1 TO BACKWASH CATCH BASIN
P6	4"	FROM P3 TO H1
P7	4"	FROM H1 TO P3
P8	10"	FROM LAP POOL GUTTER DROPOUT BOX TO SURGE TANK
P9	10"	FROM LAP POOL GUTTER DROPOUT BOX TO SURGE TANK
P10	3"	FROM LAP POOL SURGE TANK TO ATMOSPHERE
P11	6"	FROM M2 TO PP2
P12	4"	FROM PP2 TO F2
P13	4"	FROM F2 TO TEACHING/ EXERCISE POOL INLETS
P14	3"	FROM P12 TO BACKWASH CATCH BASIN
P15	4"	FROM F2 TO BACKWASH CATCH BASIN
P16	2"	FROM P13 TO H2
P17	2"	FROM H2 TO P13
P18	8"	FROM M2 TO PP3
P19	6"	FROM PP3 TO TEACHING/EXERCISE POOL VORTEX NOZZLES
P20	6"	FROM TEACHING/ EXERCISE POOL GUTTER DROPOUT BOX TO SURGE TANK
P21	6"	FROM TEACHING/ EXERCISE POOL GUTTER DROPOUT BOX TO SURGE TANK
P22	3"	FROM TEACHING/ EXERCISE SURGE TANK TO ATMOSPHERE
P23	8"	FROM M3 TO PP4
P24	6"	FROM PP4 TO F3
P25	6"	FROM F3 TO WADING POOL INLETS
P26	3"	FROM P24 TO BACKWASH CATCH BASIN
P27	4"	FROM F3 TO BACKWASH CATCH BASIN
P28	2 1/2"	FROM P25 TO H3
P29	2 1/2"	FROM H3 TO P25
P30	6"	FROM M3 TO PP5
P31	6"	FROM PP5 TO WADING POOL FEATURE VALVE BOX
P32	2"	FROM WADING POOL FEATURE VALVE BOX TO WATER JELLY
P33	2"	FROM WADING POOL FEATURE VALVE BOX TO WATER JELLY
P34	4"	FROM WADING POOL FEATURE VALVE BOX TO PLAY NUK NO.3 PLAY STRUCTURE
P35	2 1/2"	FROM WADING POOL FEATURE VALVE BOX TO WATER TUNNEL
P36	1 1/2"	FROM WADING POOL FEATURE VALVE BOX TO BOBBLE NO.2
P37	2"	FROM WADING POOL FEATURE VALVE BOX TO CASCADE RAINFOREST
P38	3"	FROM WADING POOL SURGE TANK TO ATMOSPHERE
P39	8"	FROM WADING POOL GUTTER DROPOUT BOX TO SURGE TANK
P40	8"	FROM WADING POOL GUTTER DROPOUT BOX TO SURGE TANK
P41	10"	FROM M5 TO PP6
P42	12"	FROM PP6 TO F4
P43	10"	FROM M4 TO PP7
P44	12"	FROM PP4 TO P42
P45	12"	FROM F4 TO LEISURE POOL RETURN MANIFOLD
P46	8"	FROM LEISURE POOL RETURN MANIFOLD TO LEISURE POOL OPEN AREA RETURN INLETS
P47	8"	FROM LEISURE POOL RETURN MANIFOLD TO LEISURE POOL ZERO ENTRY AREA RETURN INLETS
P48	3"	FROM LEISURE POOL RETURN MANIFOLD TO WATERSLIDE PLUNGE AREA RETURN INLETS
P49	4"	FROM P42 TO BACKWASH CATCH BASIN
P50	6"	FROM F4 TO BACKWASH CATCH BASIN
P51	4"	FROM P45 TO H4
P52	4"	FROM H4 TO P45
P53	8"	FROM M5 TO PP8
P54	10"	FROM M6 TO PP10
P55	8"	FROM M4 TO PP9
P56	8"	FROM LEISURE POOL GUTTER DROPOUT BOX TO SURGE TANK
P57	8"	FROM LEISURE POOL GUTTER DROPOUT BOX TO SURGE TANK
P58	10"	FROM LEISURE POOL GUTTER DROPOUT BOXES TO SURGE TANK
P59	10"	FROM LEISURE POOL GUTTER DROPOUT BOXES TO SURGE TANK
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P73	8"	FROM SPRAYGROUND TO RAIN DIVERTER (V.I.F)

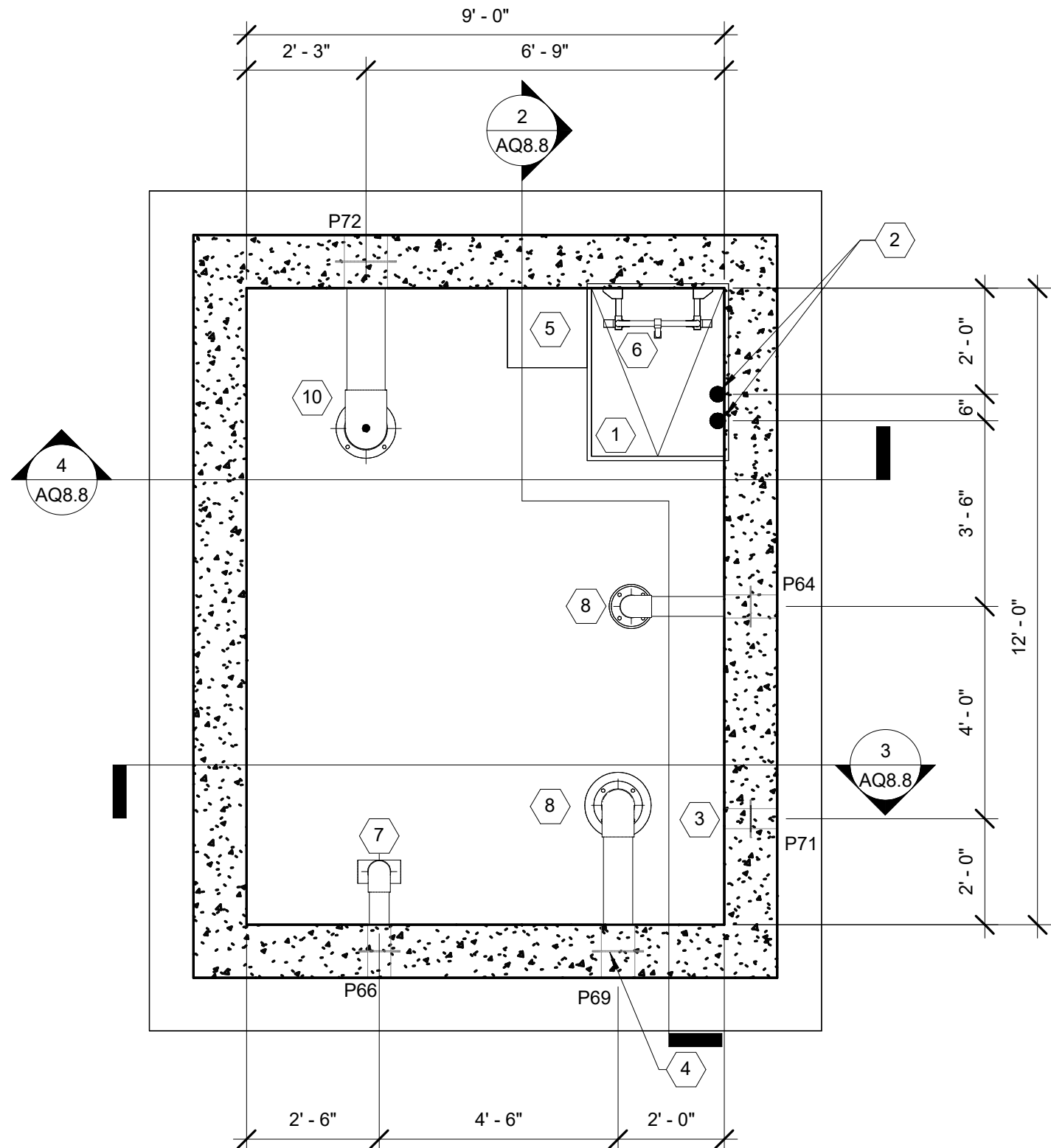
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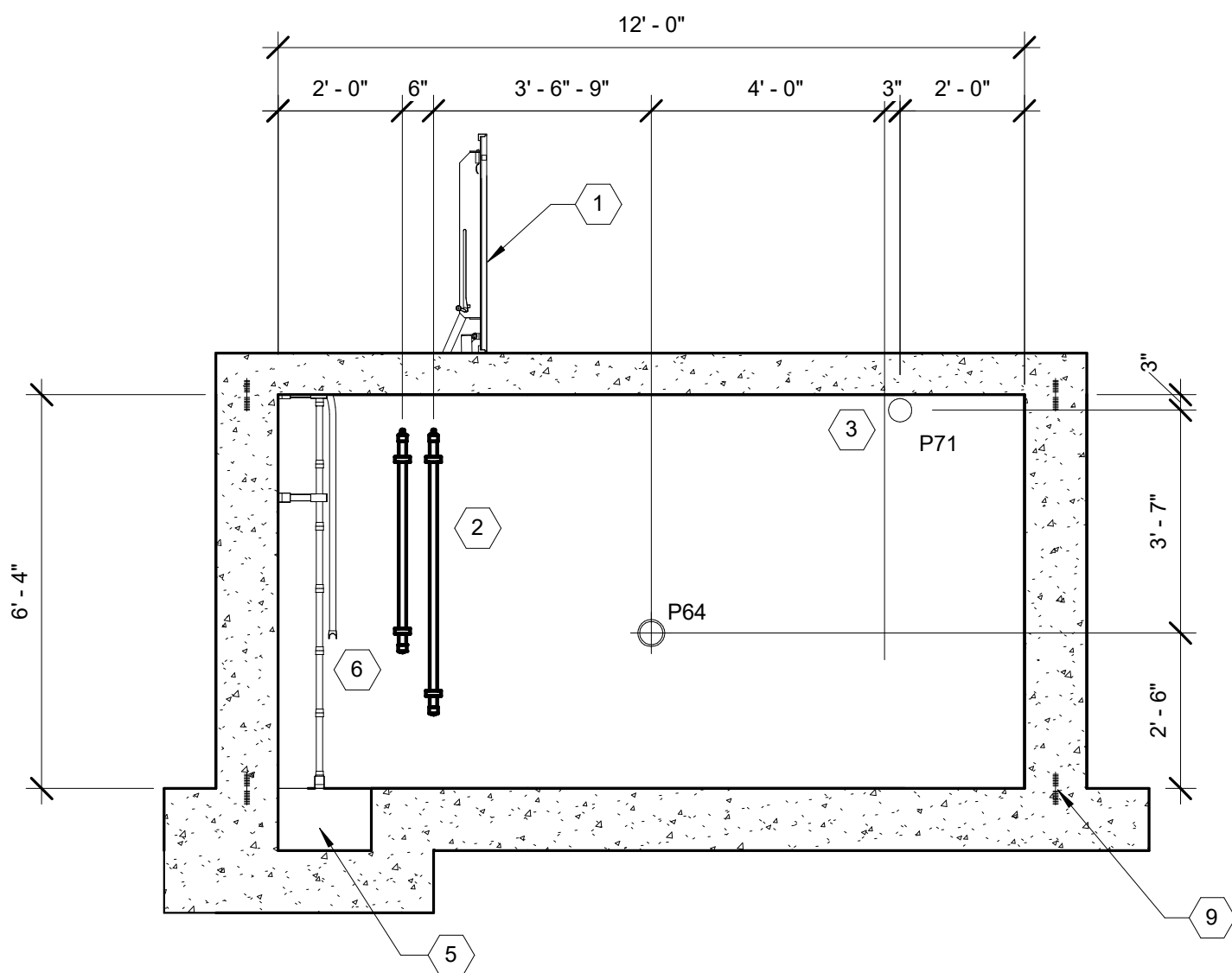
3 SPRAYGROUND BALANCE TANK SECTION
3/8" = 1'-0"



4 SPRAYGROUND BALANCE TANK SECTION
3/8" = 1'-0"



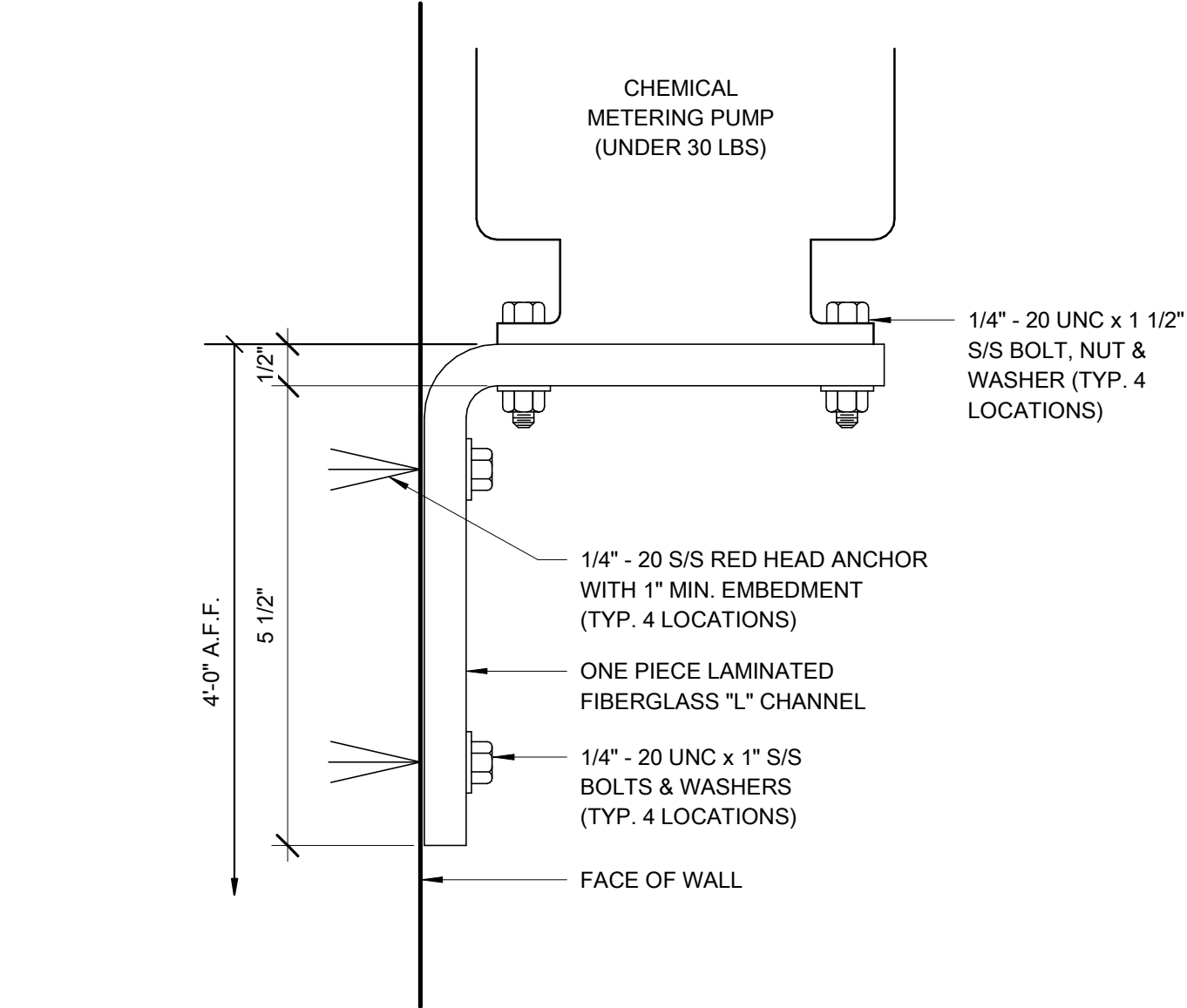
1 SPRAYGROUND BALANCE TANK PLAN
3/8" = 1'-0"



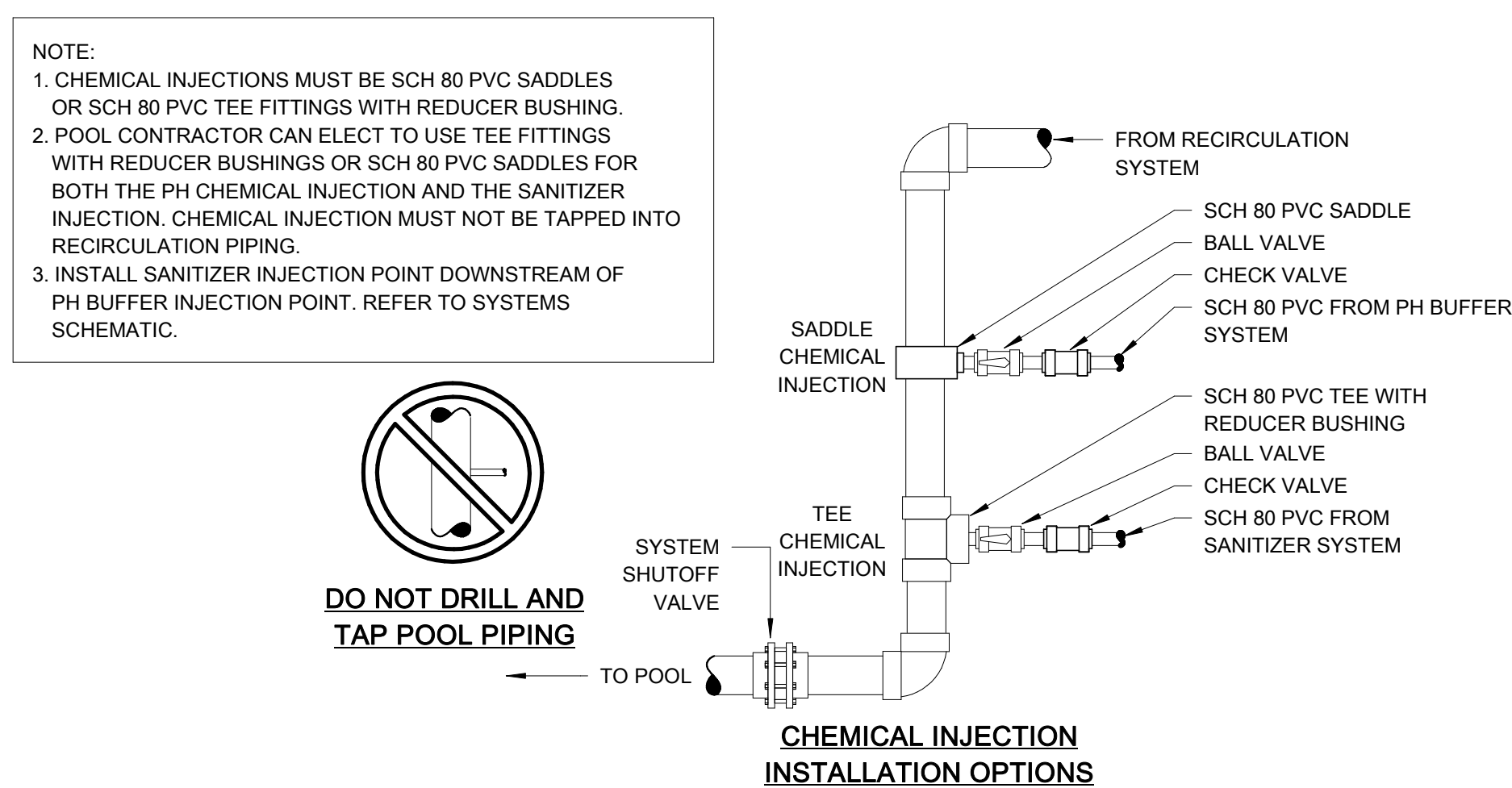
2 SPRAYGROUND BALANCE TANK SECTION
3/8" = 1'-0"

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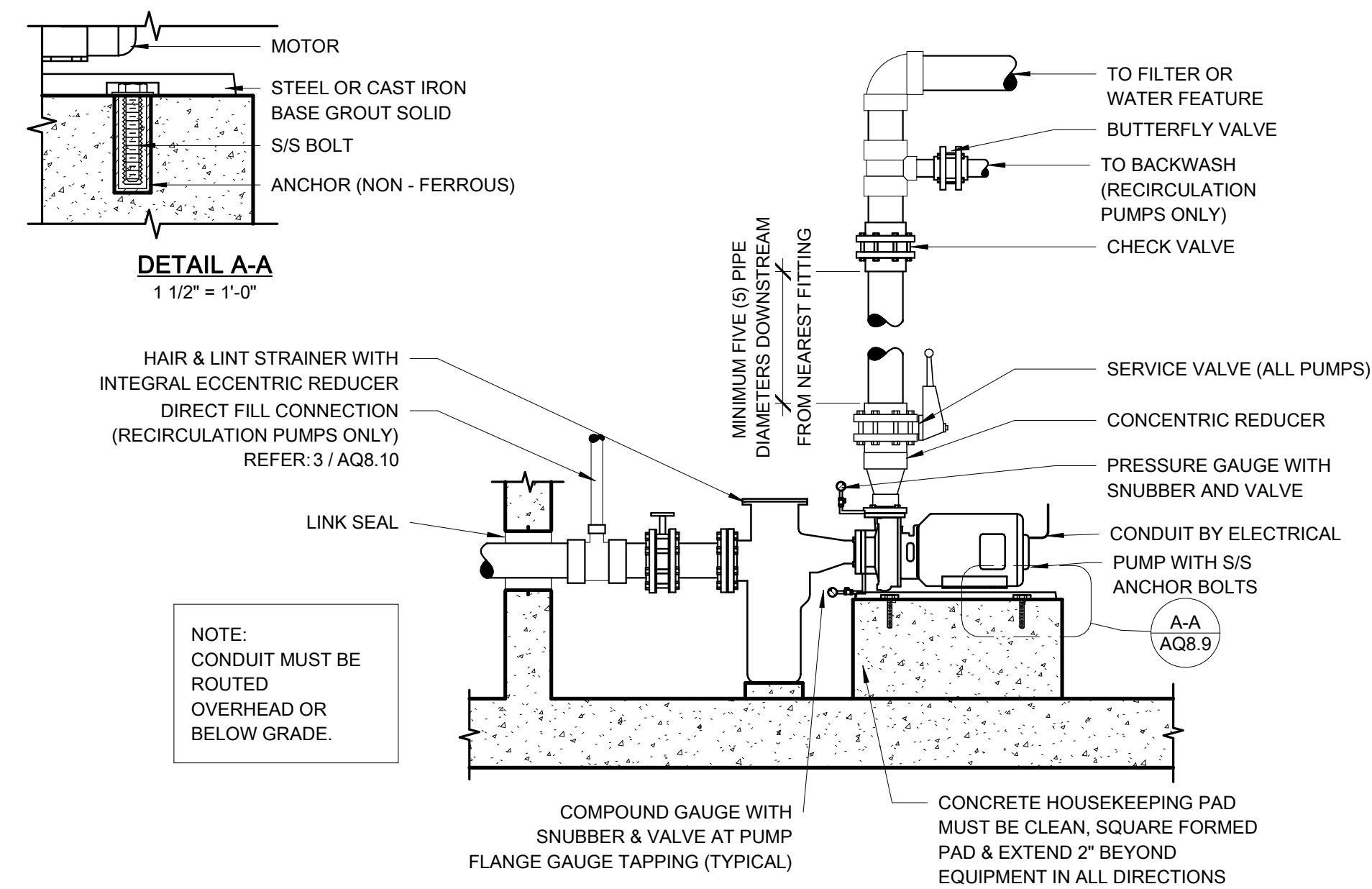
6 CHEMICAL PUMP SHELF
6" = 1'-0"



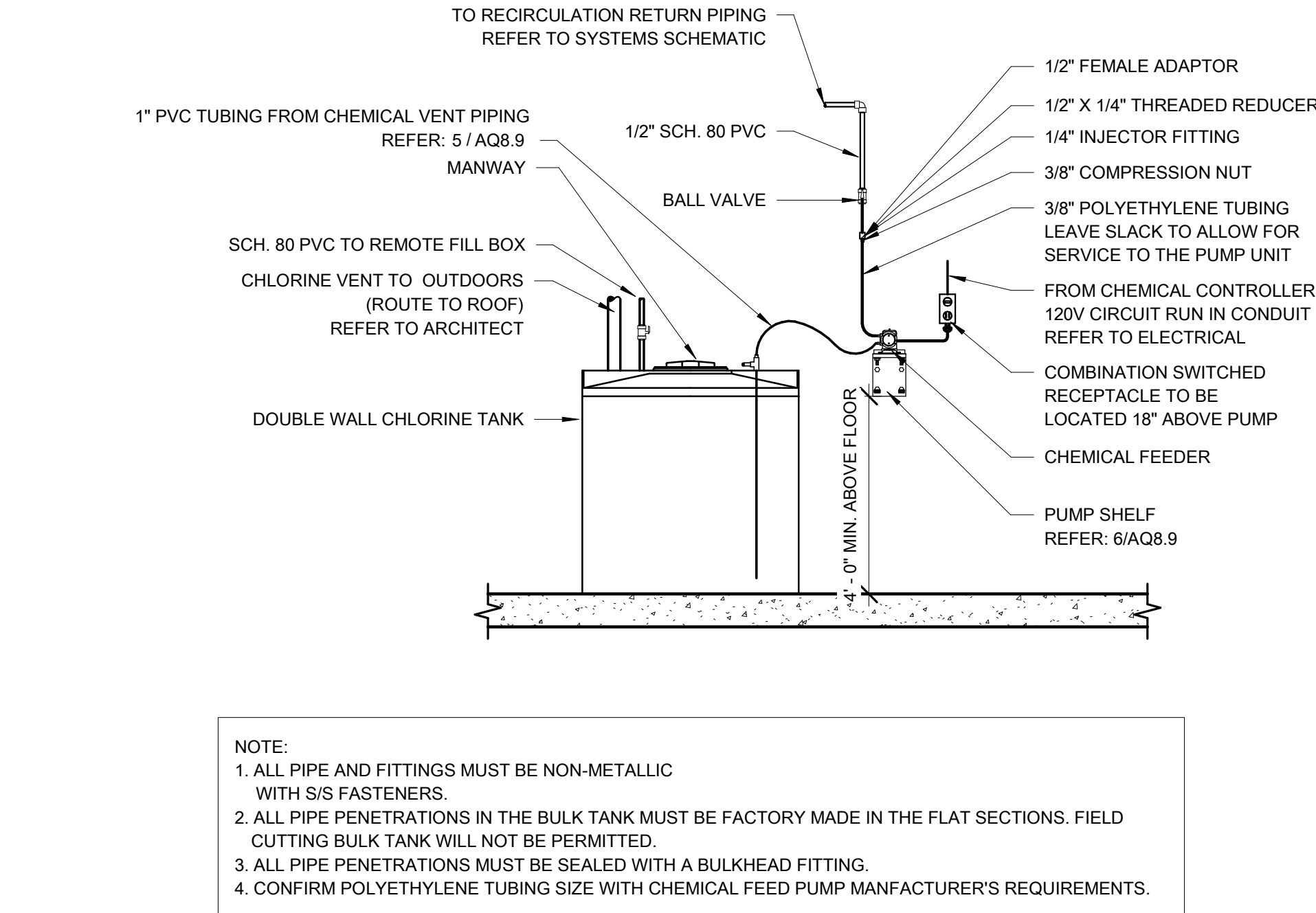
3 CHEMICAL INJECTION
1/2" = 1'-0"



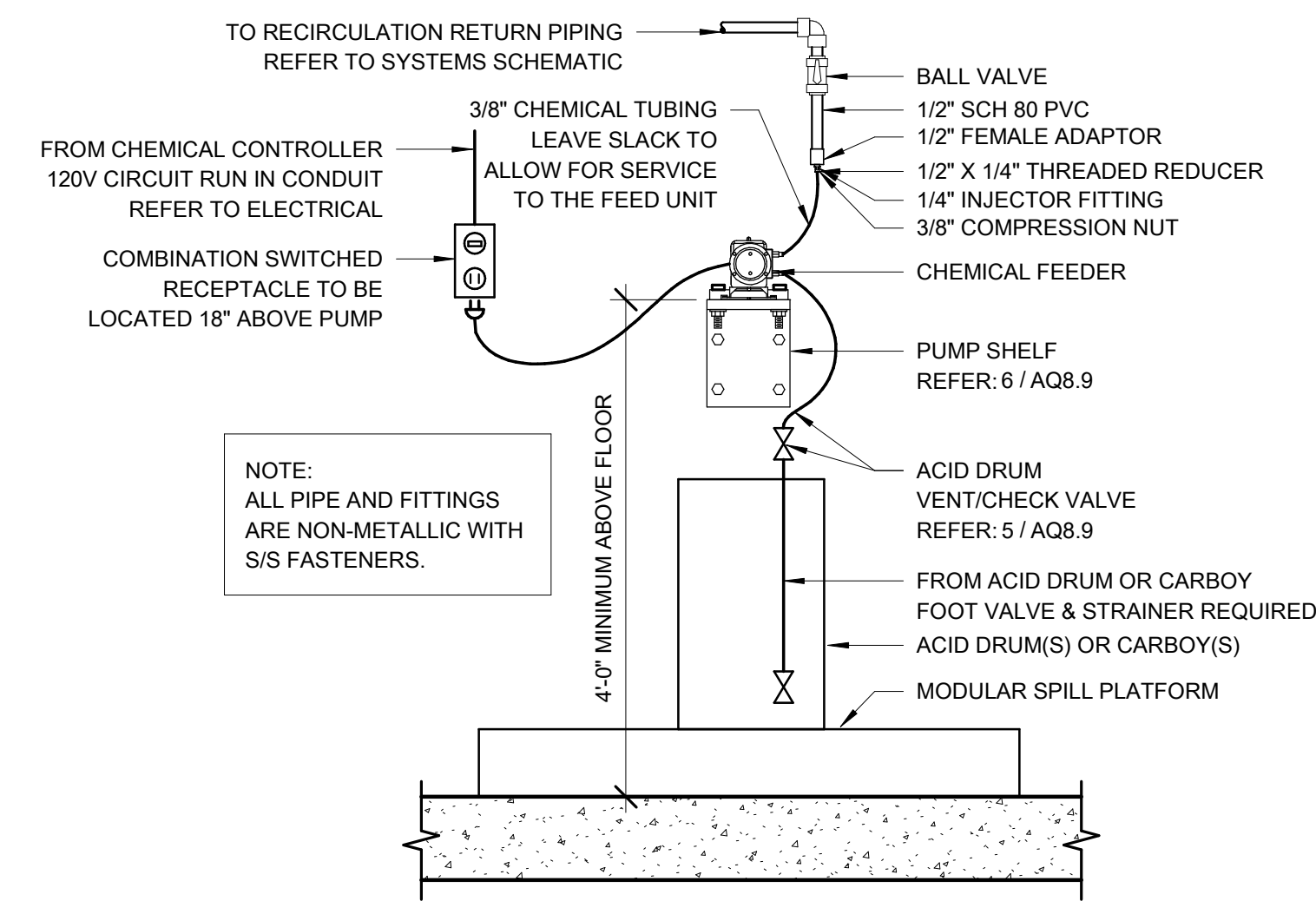
1 TYPICAL PUMP DETAIL
1/2" = 1'-0"



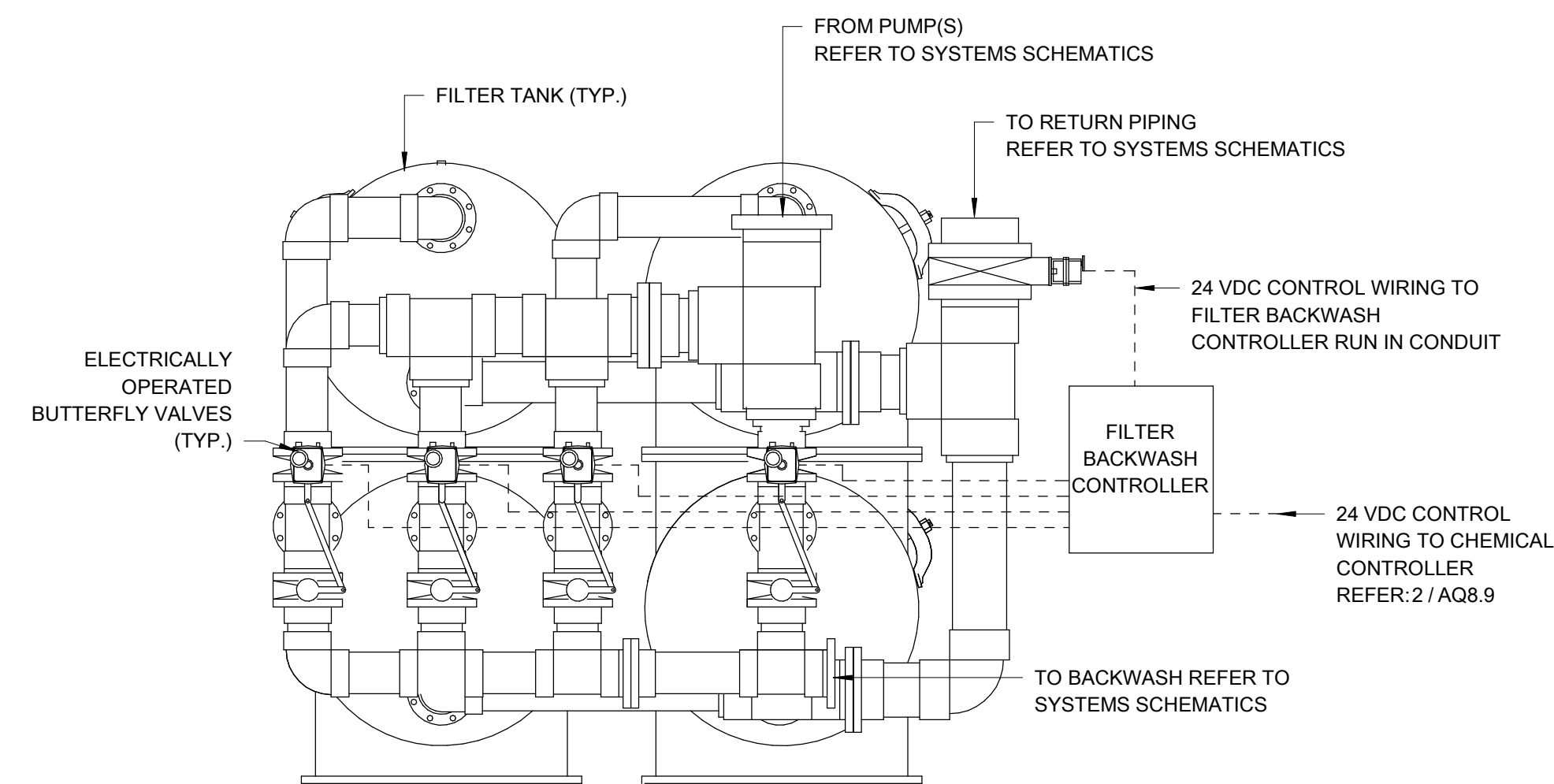
7 CHLORINATION SYSTEM
3/8" = 1'-0"



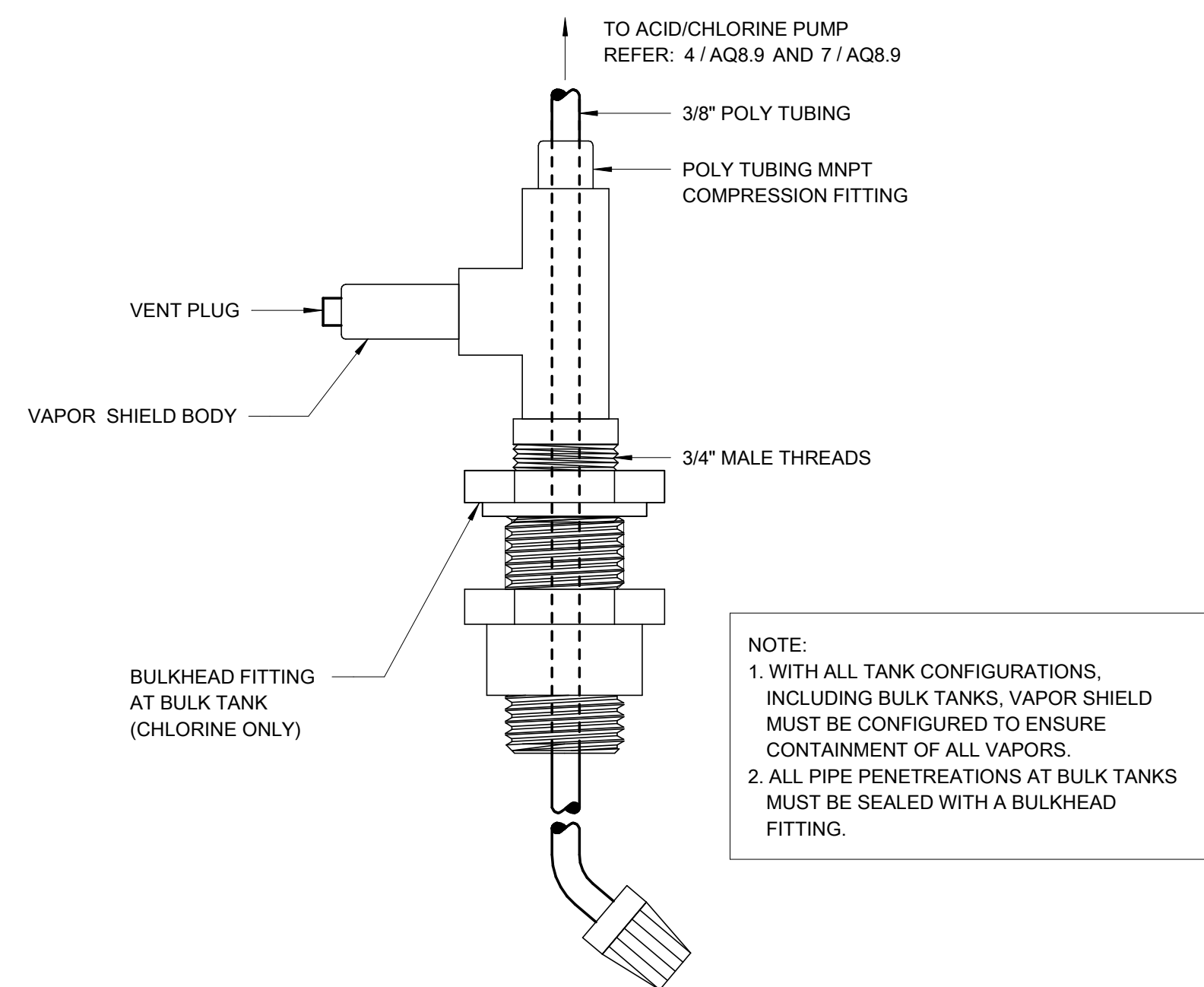
4 ACID SYSTEM
3/4" = 1'-0"



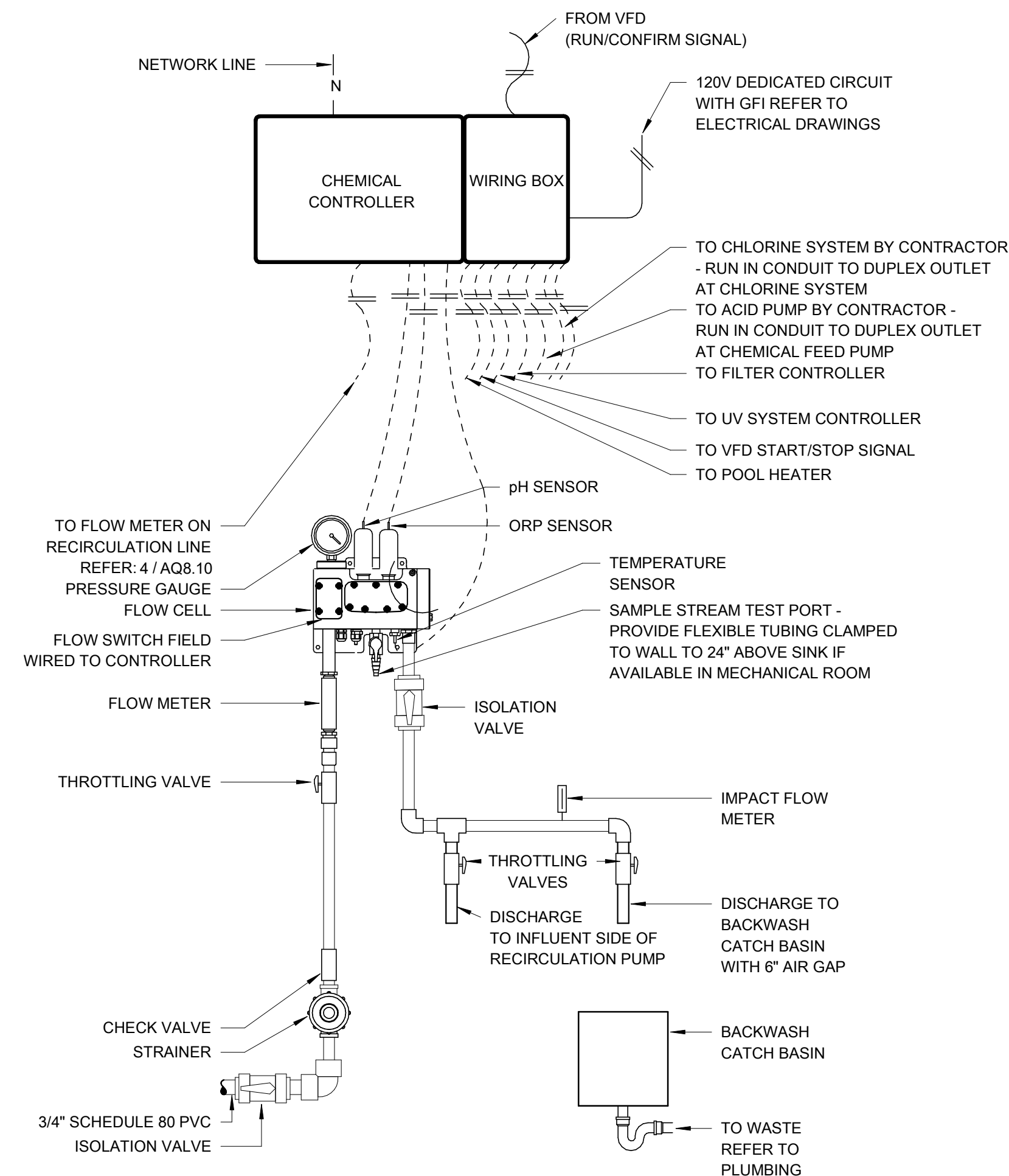
8 FILTER BACKWASH CONTROLLER
1/2" = 1'-0"



5 CHEMICAL VENT PIPING
6" = 1'-0"



2 CHEMICAL CONTROLLER
N.T.S.



- NOTES:
1. INTERLOCK WITH RECIRCULATION PUMP OCCURS INSIDE THE WIRING BOX ON BECS CONTROLLERS. CONTRACTOR TO PROVIDE FIELD WIRE INTERLOCK EXTERNAL TO THE CONTROLLER IF A BECS CONTROLLER IS NOT USED.
 2. DRAWING IS FOR REFERENCE ONLY. REFER TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 3. PIPE RUN FROM RECIRCULATION PIPE TO SAMPLE CELL TO BE 50 FEET OR LESS.
 4. SAMPLE FEED PIPING TO/FROM THE RECIRCULATION SYSTEM TO THE WATER CHEMISTRY CONTROLLER MUST BE SADDLED OR TEED. NO TAPPING OR DRILLING INTO THE PIPING WILL BE ALLOWED.
 5. PROVIDE ETHERNET CONNECTION FOR REMOTE ACCESS TO ALL WATER CHEMISTRY CONTROLLERS. REFER TO ELECTRICAL.



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1	CONFORMED SET	03/14/25

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TCH

Checked By

MJM

Client Number

948

Project Number

7383

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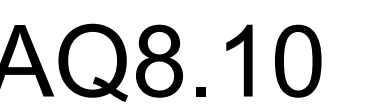
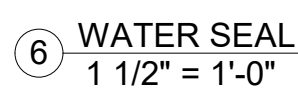
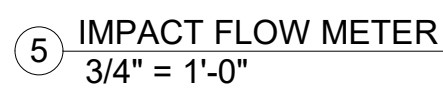
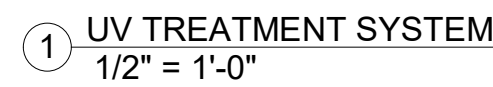
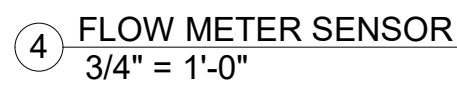
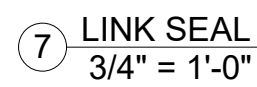
POOL MECHANICAL DETAILS

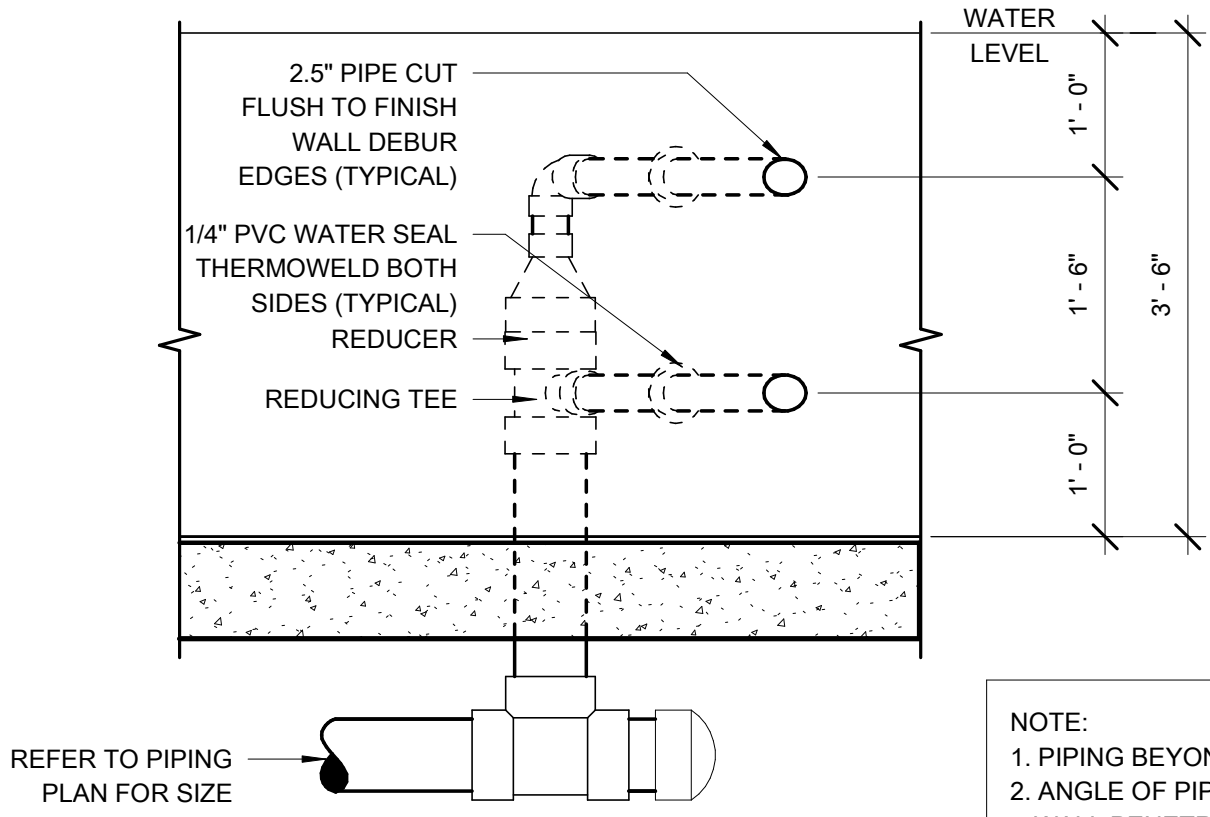
SHEET NO.

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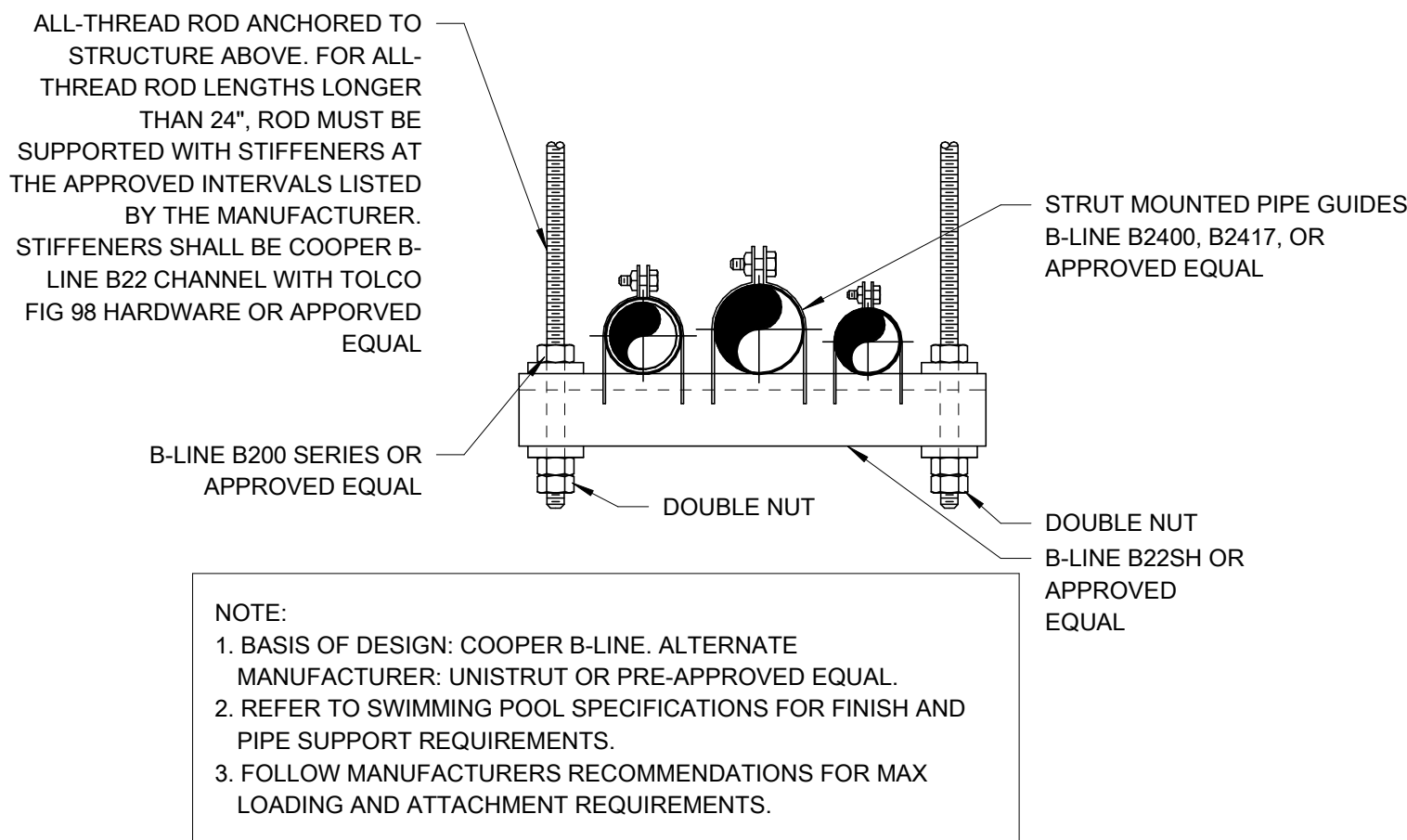
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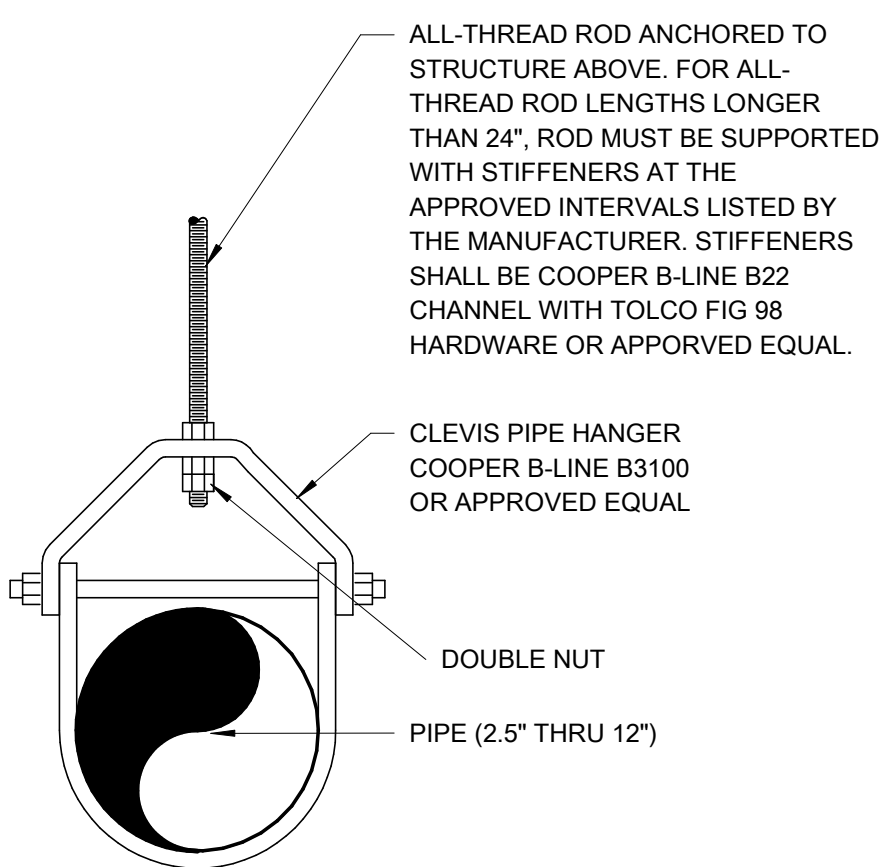




NOTE:
1. PIPING BEYOND POOL WALL.
2. ANGLE OF PIPING AND OF WALL PENETRATION DETERMINED BY DESIRED FLOW DIRECTION.



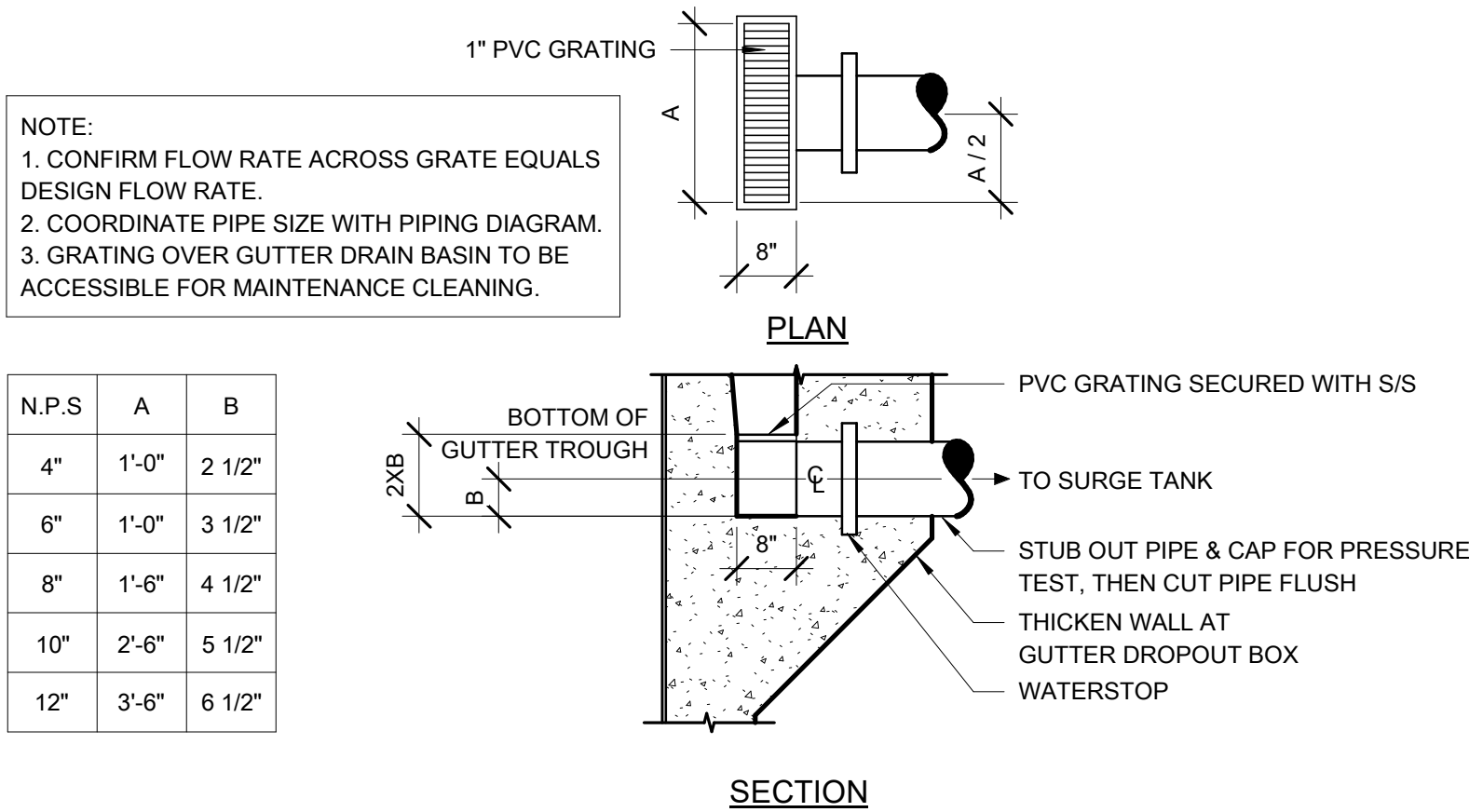
NOTE:
1. BASIS OF DESIGN: COOPER B-LINE. ALTERNATE MANUFACTURER: GRINELL OR APPROVED EQUAL.
2. REFER TO SWIMMING POOL SPECIFICATIONS FOR FINISH AND PIPE SUPPORT REQUIREMENTS.
3. FOLLOW MANUFACTURERS RECOMMENDATIONS FOR MAX LOADING AND ATTACHMENT REQUIREMENTS.



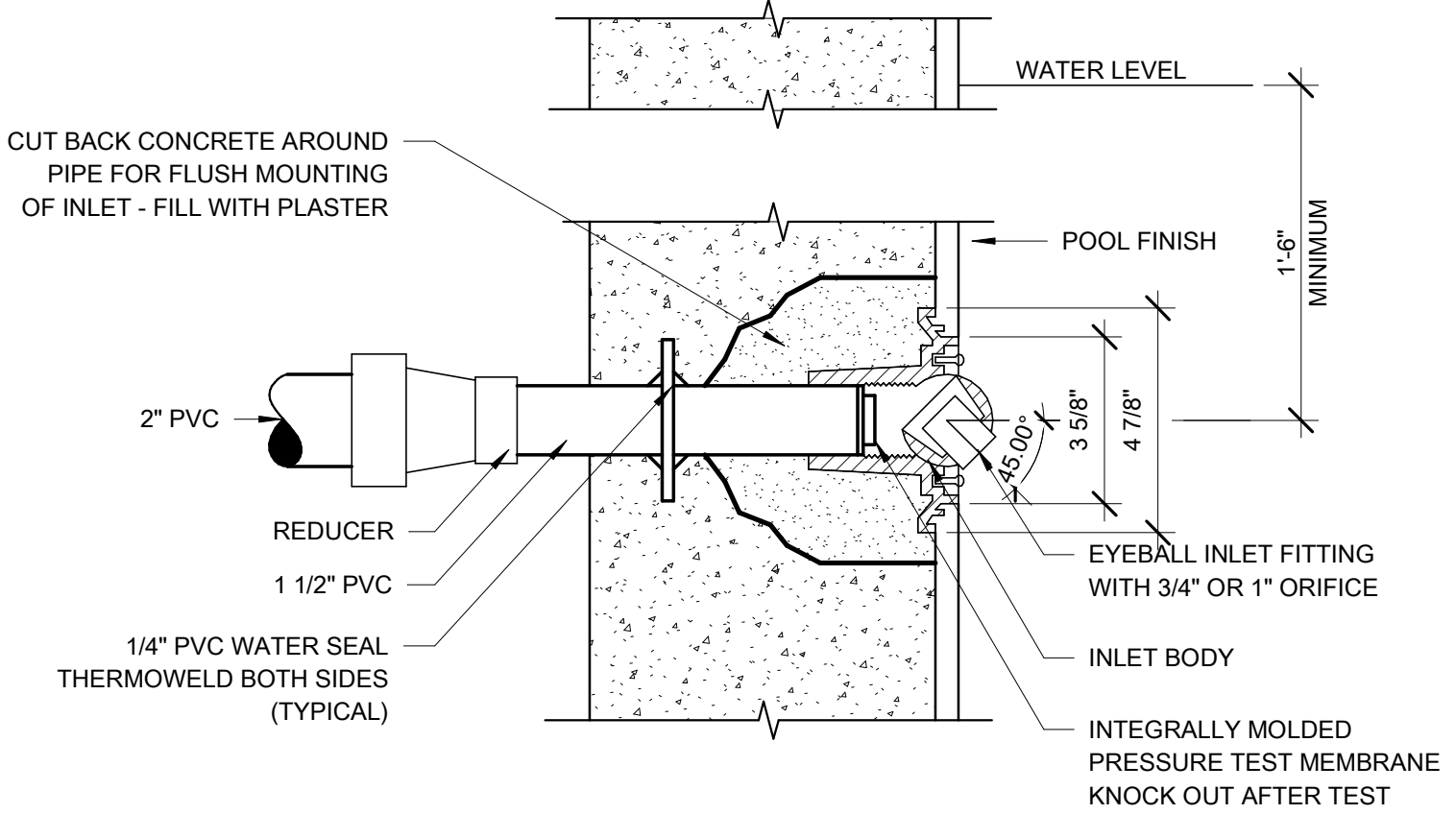
7 VORTEX NOZZLE
3/4" = 1'-0"

4 TRAPEZE HANGER
3" = 1'-0"

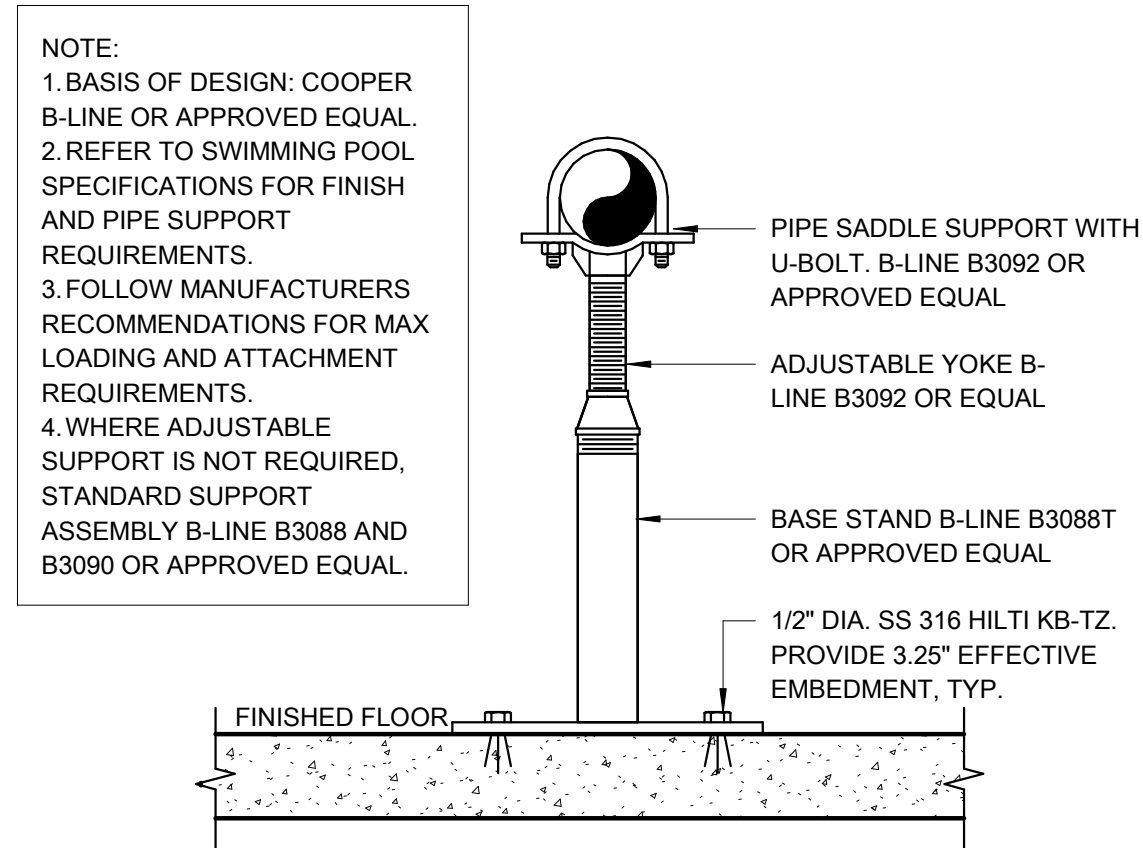
1 CLEVIS PIPE HANGER
1 1/2" = 1'-0"



8 GUTTER DROPOUT BOX
1/2" = 1'-0"

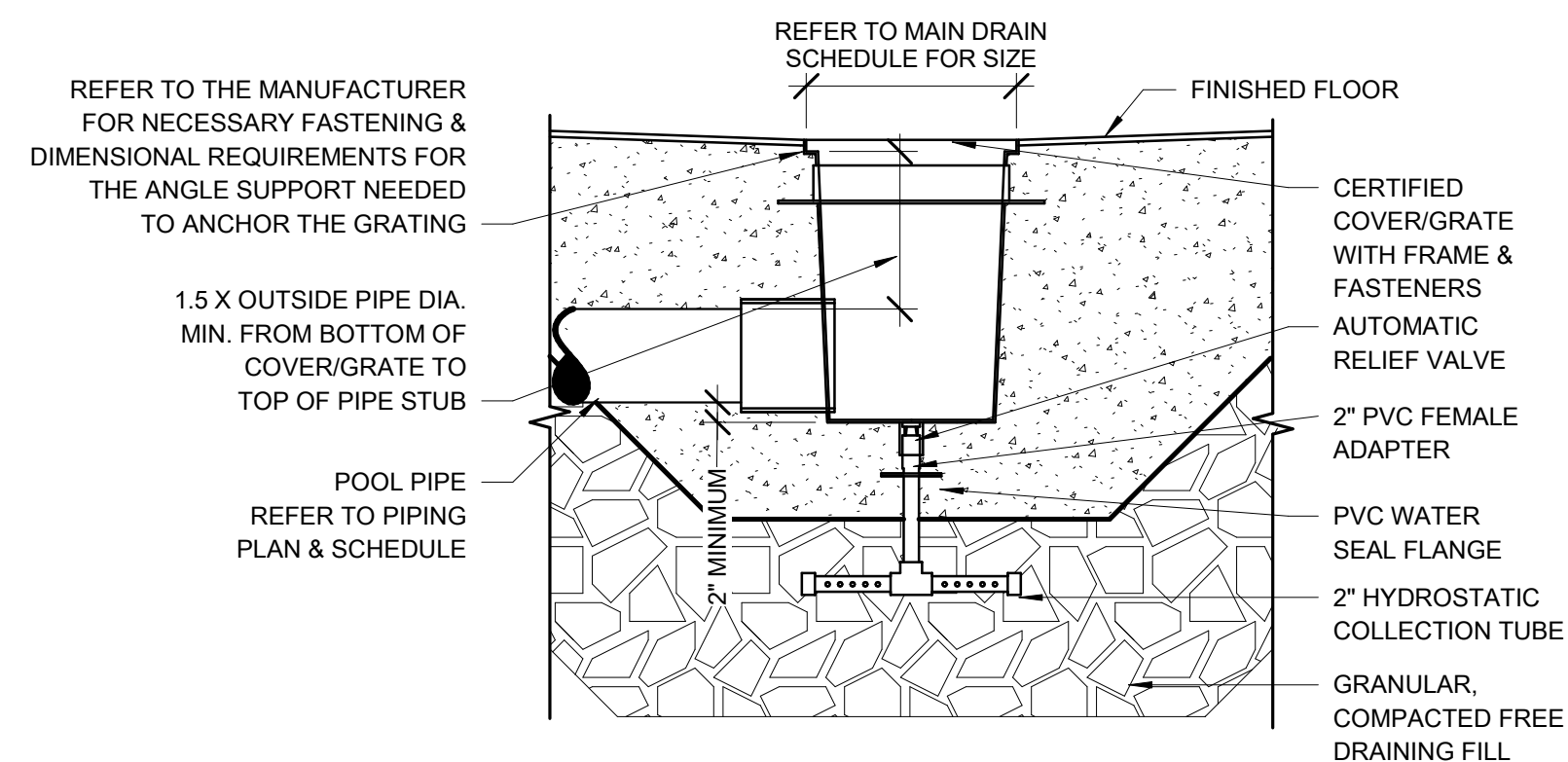


5 WALL INLET
3" = 1'-0"

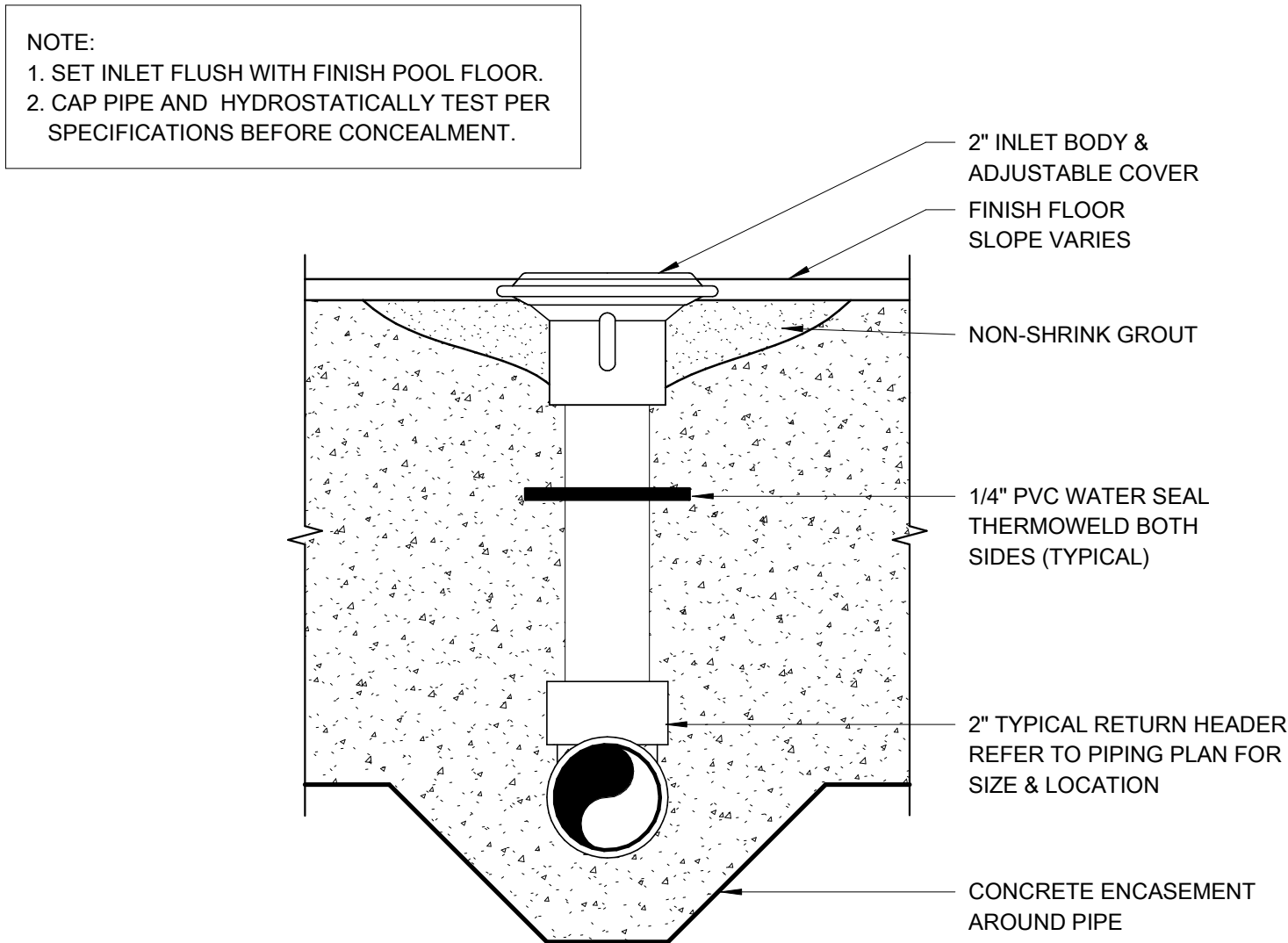


2 FLOOR MOUNTED PIPE SUPPORT
3" = 1'-0"

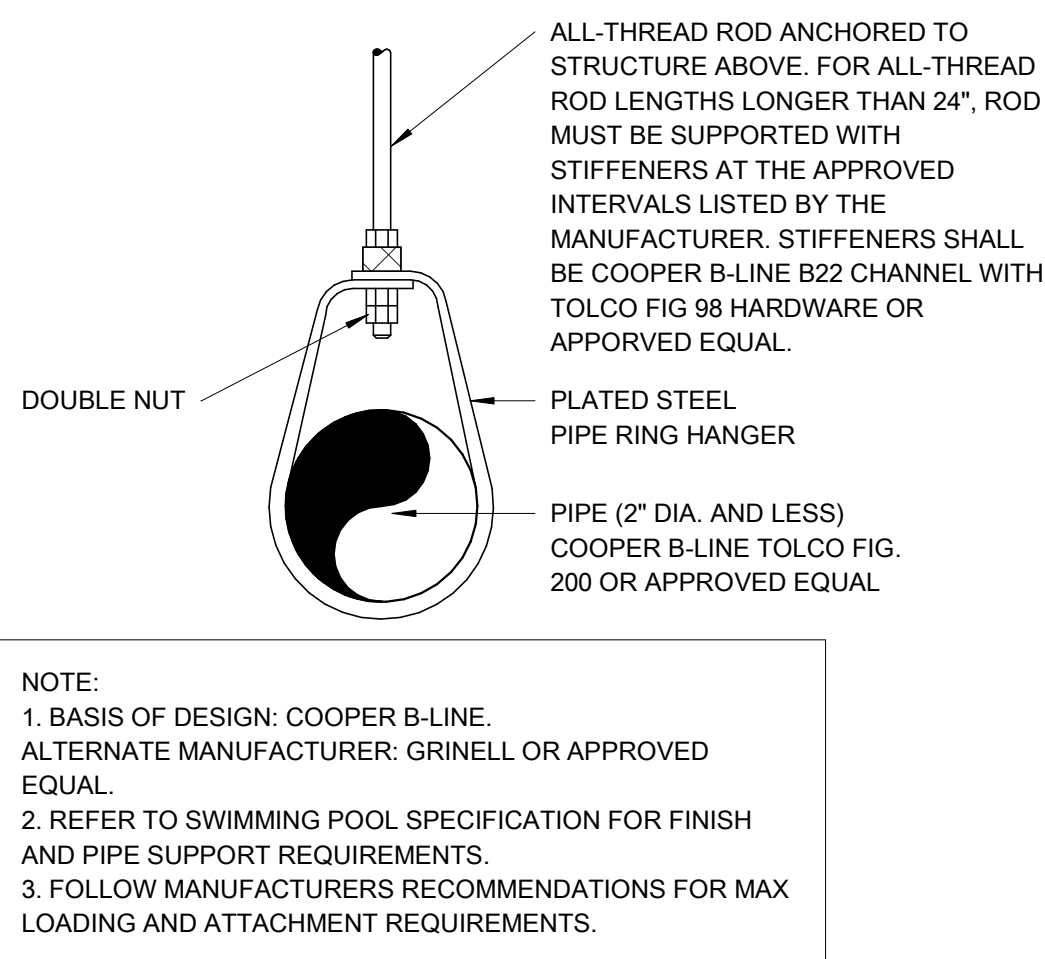
NOTE:
1. ALL MAIN DRAIN SUMPS MUST BE CONSTRUCTED TO COMPLY WITH THE MOST RECENT EDITION OF VIRGINIA GRAEME BAKER POOL AND SPA SAFETY ACT (VGB) AND ANSI/APSP-16/ICC-16.
2. SUMPS MUST BE ENCASED IN CONCRETE. REFER TO POOL STRUCTURAL FOR CONCRETE THICKNESS AROUND THE PRE-FABRICATED SUMP.
3. THE BOTTOM FACE OF THE MAIN DRAIN SUMP MUST INCLUDE A BONDING FITTING.
4. MAIN DRAINS MAY USE MULTIPLE VGB COMPLIANT GRATES SECURELY FASTENED TO THE PRE-FABRICATED SUMPS PER MANUFACTURER RECOMMENDATIONS.
5. ENSURE PIPING PORT LOCATIONS ALLOW FOR CAPS AND/OR FLANGES FOR PIPING PRESSURE TESTING. REFER TO SPECIFICATIONS.
6. CONTRACTOR TO SUBMIT PROJECT SPECIFIC SHOP DRAWINGS SHOWING PIPING. REFER TO SPECIFICATION.



9 MAIN DRAIN
3/4" = 1'-0"

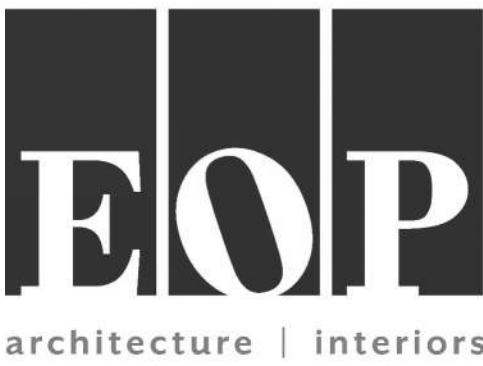


6 FLOOR INLET
3" = 1'-0"



3 SWIVEL RING PIPE HANGER
1 1/2" = 1'-0"

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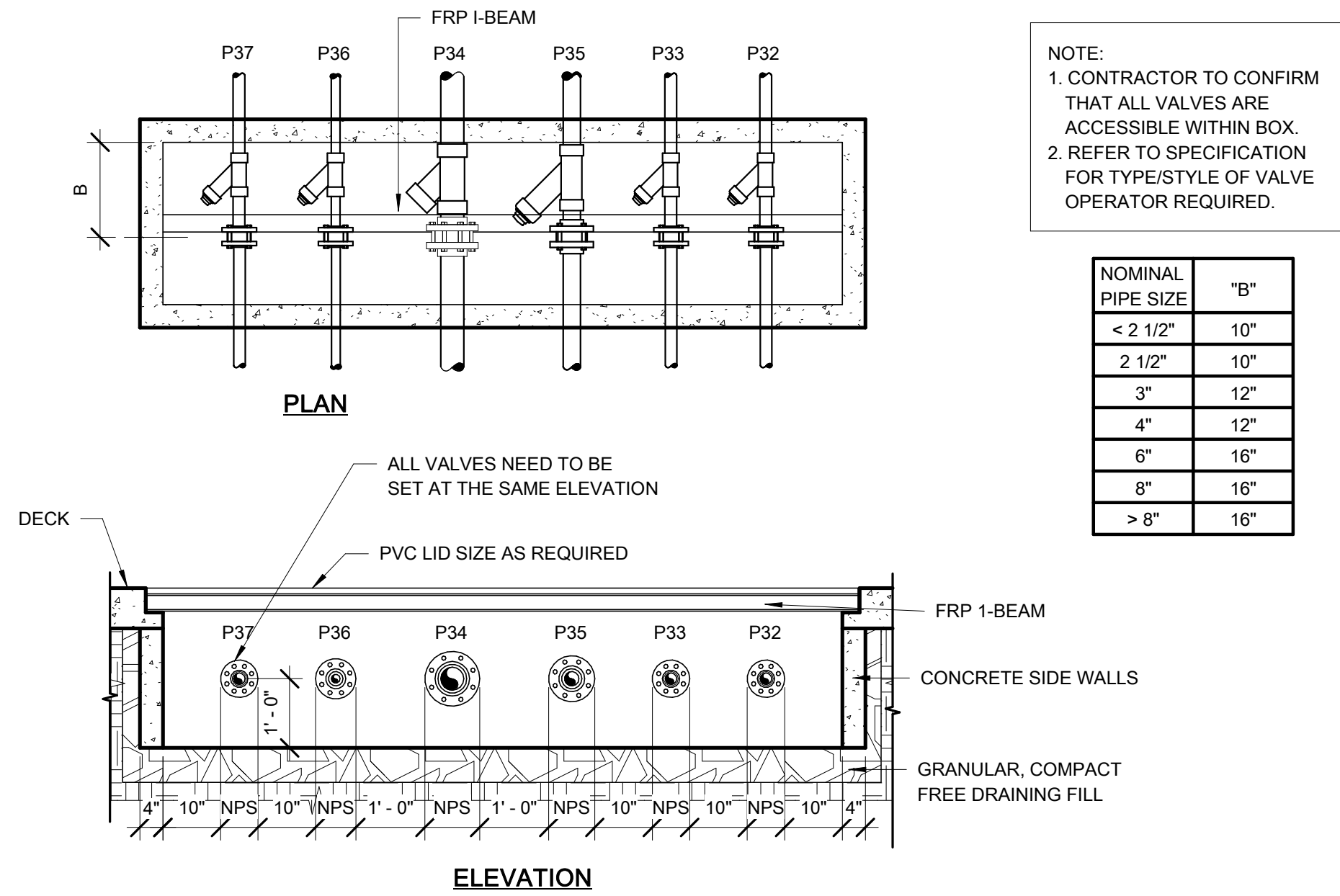
POOL MECHANICAL DETAILS

SHEET NO.

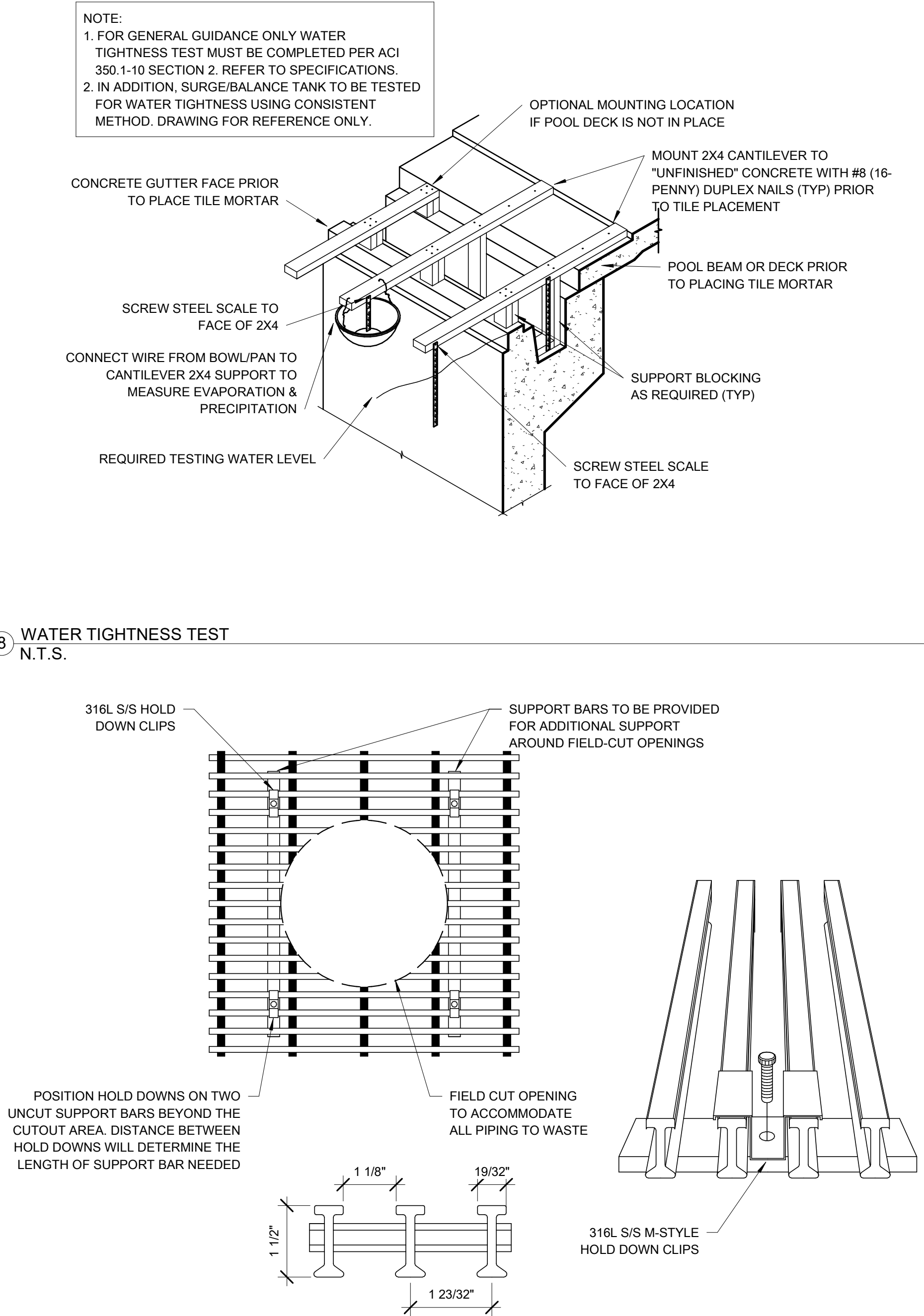
AQ8.11

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7 VALVE BOX
1/2" = 1'-0"

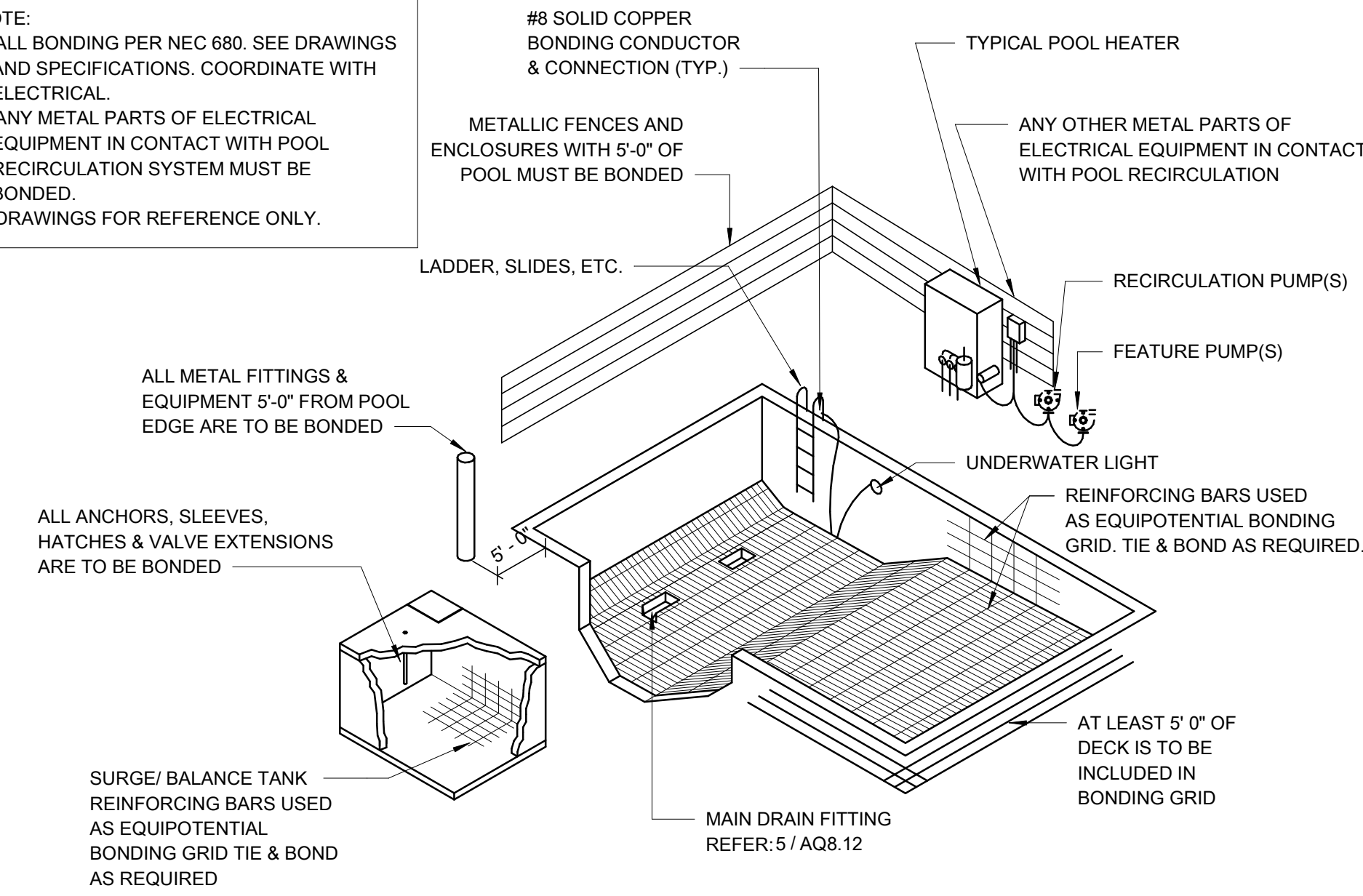


8 WATER TIGHTNESS TEST
N.T.S.

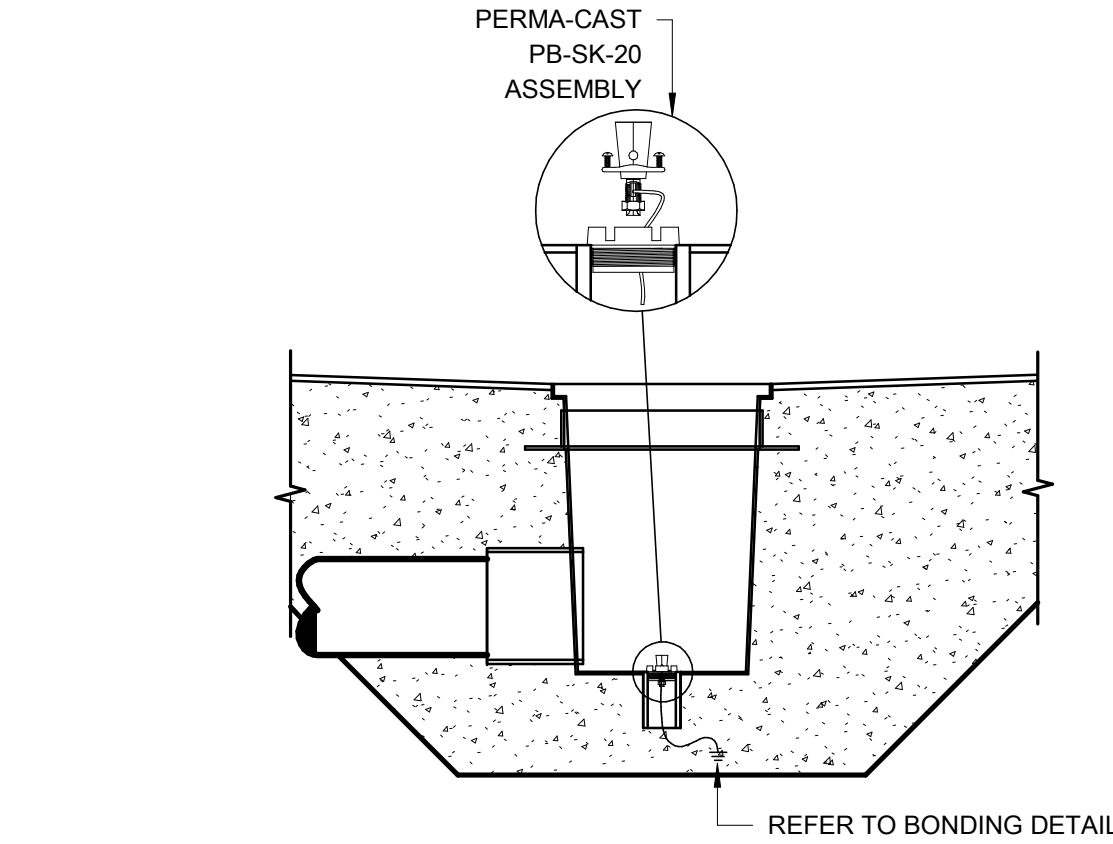


9 BACKWASH PIT GRATING
NTS

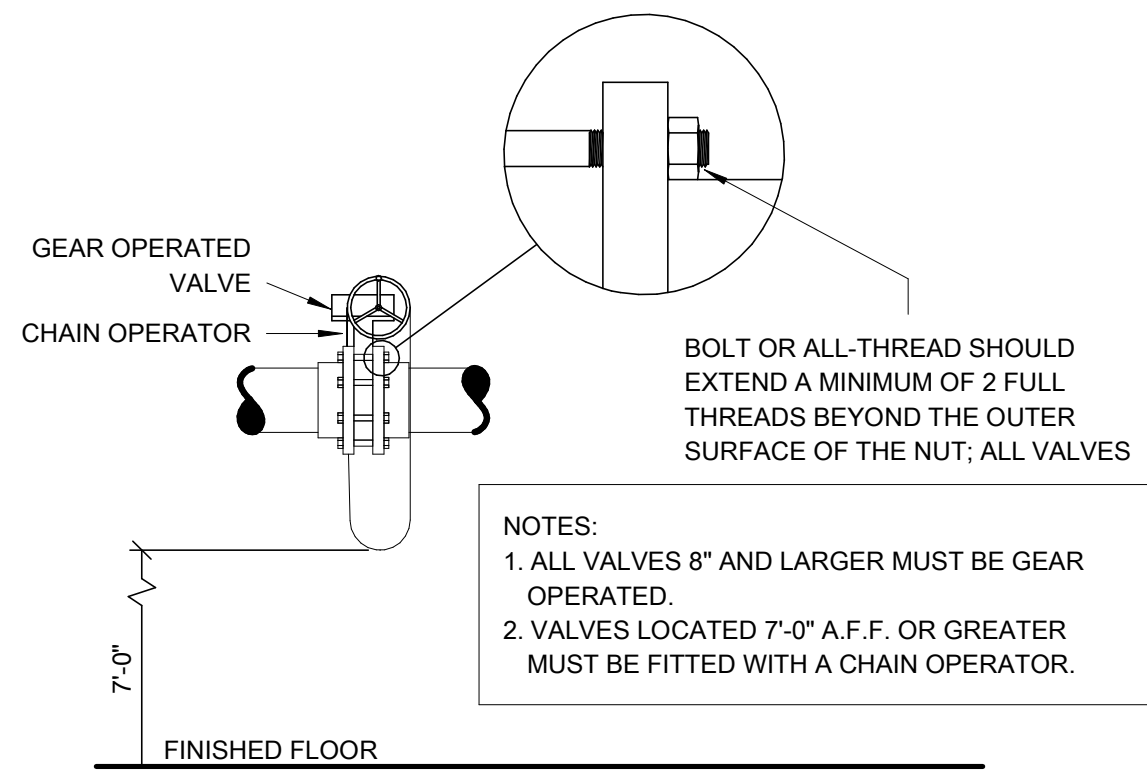
4 TYPICAL BONDING DETAIL
NTS



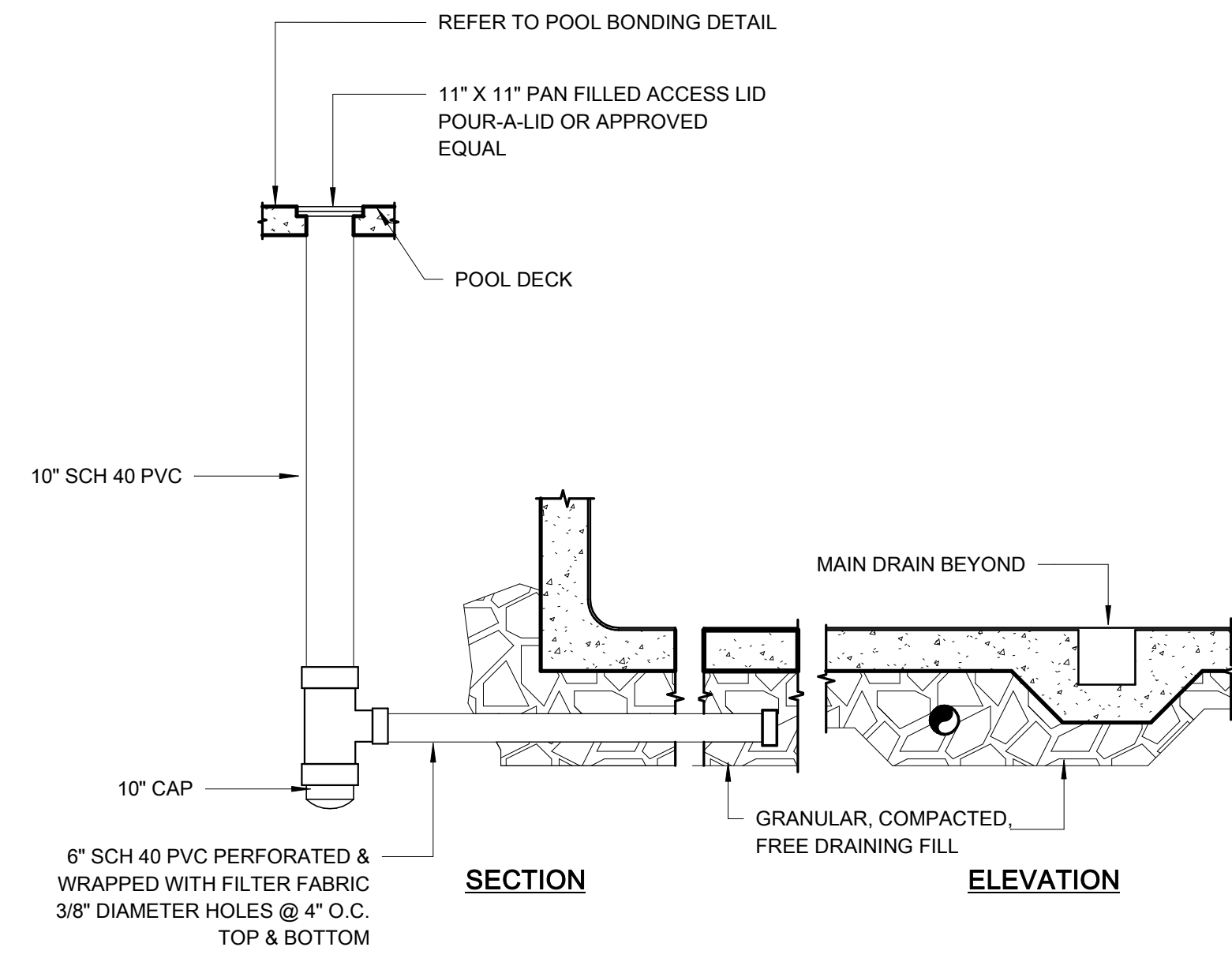
5 MAIN DRAIN BONDING
3/4" = 1'-0"



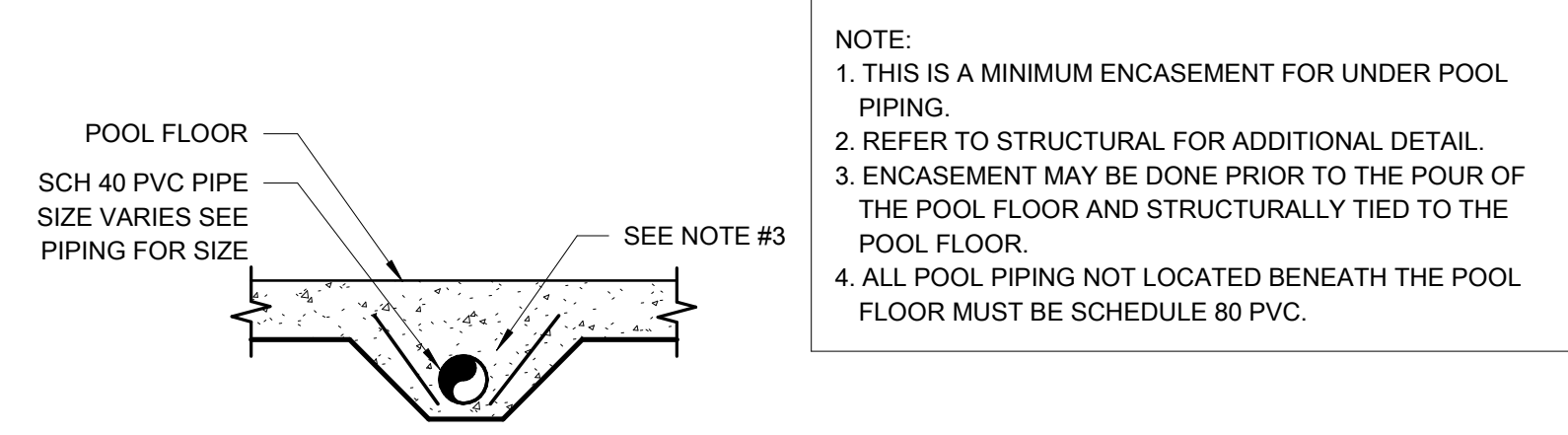
6 VALVE
1/2" = 1'-0"



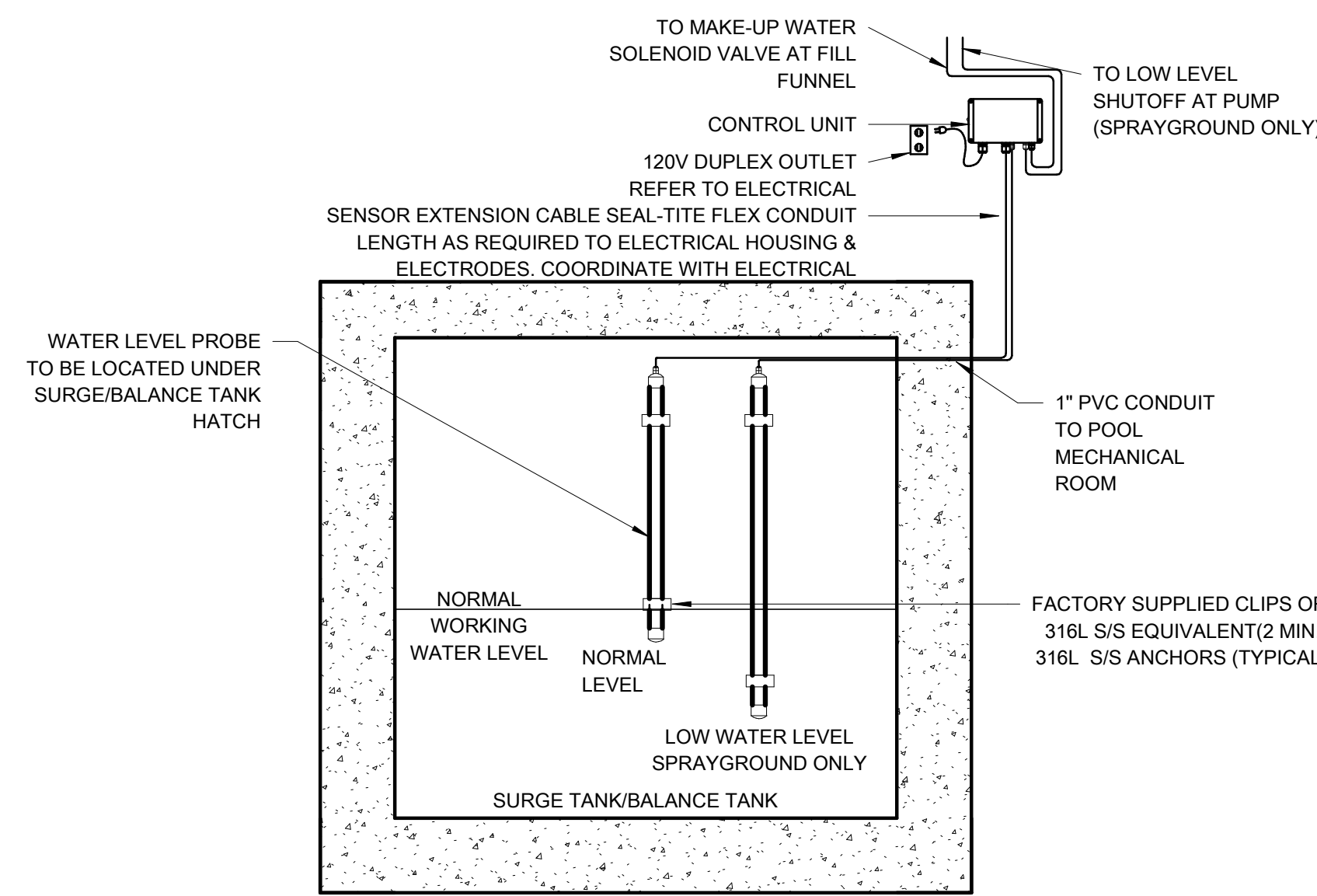
1 SIGHT SUMP
3/8" = 1'-0"



2 CONCRETE ENCASED PIPE
1/2" = 1'-0"



3 WATER LEVEL CONTROLLER
3/4" = 1'-0"



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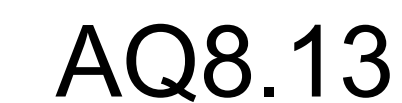
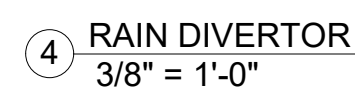
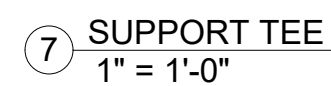
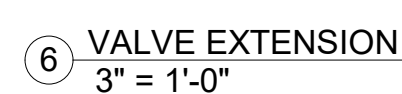
POOL MECHANICAL DETAILS

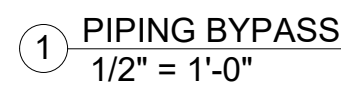
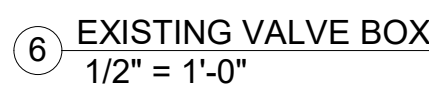
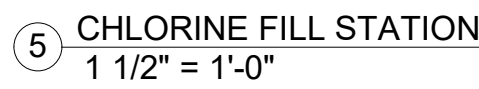
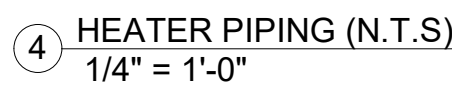
SHEET NO.

AQ8.12

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3/13/2025 8:22:08 AM





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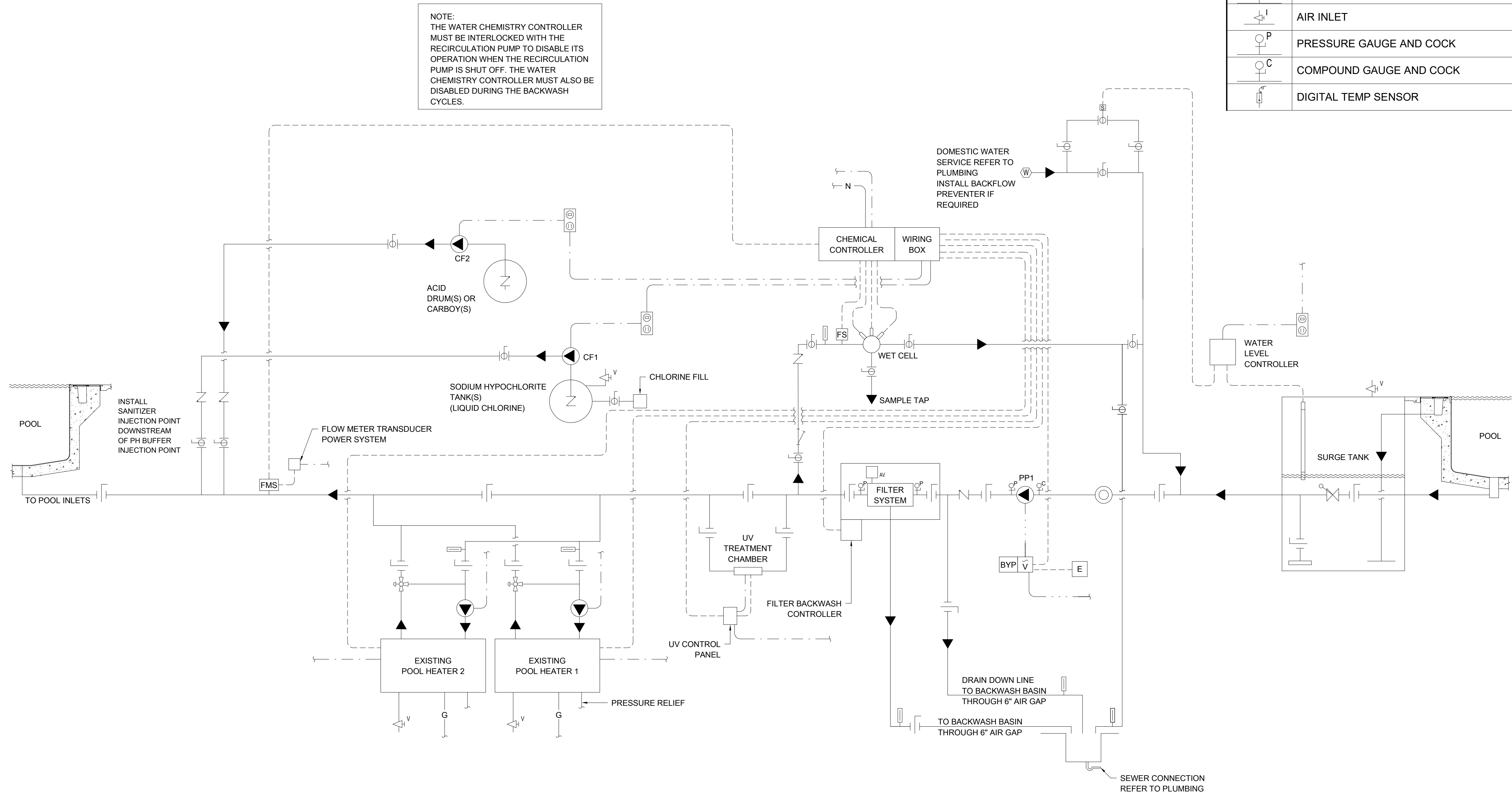
Project

DRAWING TITLE

POOL MECHANICAL DETAILS

SHEET NO.

AQ8.14



SCHEMATIC LEGEND			
LEGEND	ITEM	LEGEND	ITEM
	FLOW DIRECTION		THERMOMETER
	BUTTERFLY VALVE		PNEUMATIC ACTUATOR
	BALL VALVE		FLOW CONTROL VALVE
	MODULATING FLOAT		COMBINATION SWITCH/RECEPTACLE
	SOLENOID VALVE		DUPLEX OUTLET
	CHECK VALVE		VARIABLE FREQUENCY DRIVE
	PUMP		REMOTE START/STOP
	HAIR AND LINT STRAINER		EMERGENCY STOP
	"Y" STRAINER		VARIABLE FREQUENCY DRIVE BYPASS
	FLOW METER		CONTACT MOTOR SELECTOR
	FLOW SWITCH		ELECTRONIC FLOCCULATION SIGNAL TAG
	IMPACT FLOW METER		15 MINUTE TIMER SWITCH
	VENTURI FLOW METER		LOW VOLTAGE CONTROL
	WATER METER		WATER LINE
	AUTOMATIC AIR VENT		1 PHASE POWER
	AIR VENT		3 PHASE POWER
	AIR INLET		CO2 LINE
	PRESSURE GAUGE AND COCK		NETWORK LINE
	COMPOUND GAUGE AND COCK		GAS LINE
	DIGITAL TEMP SENSOR		



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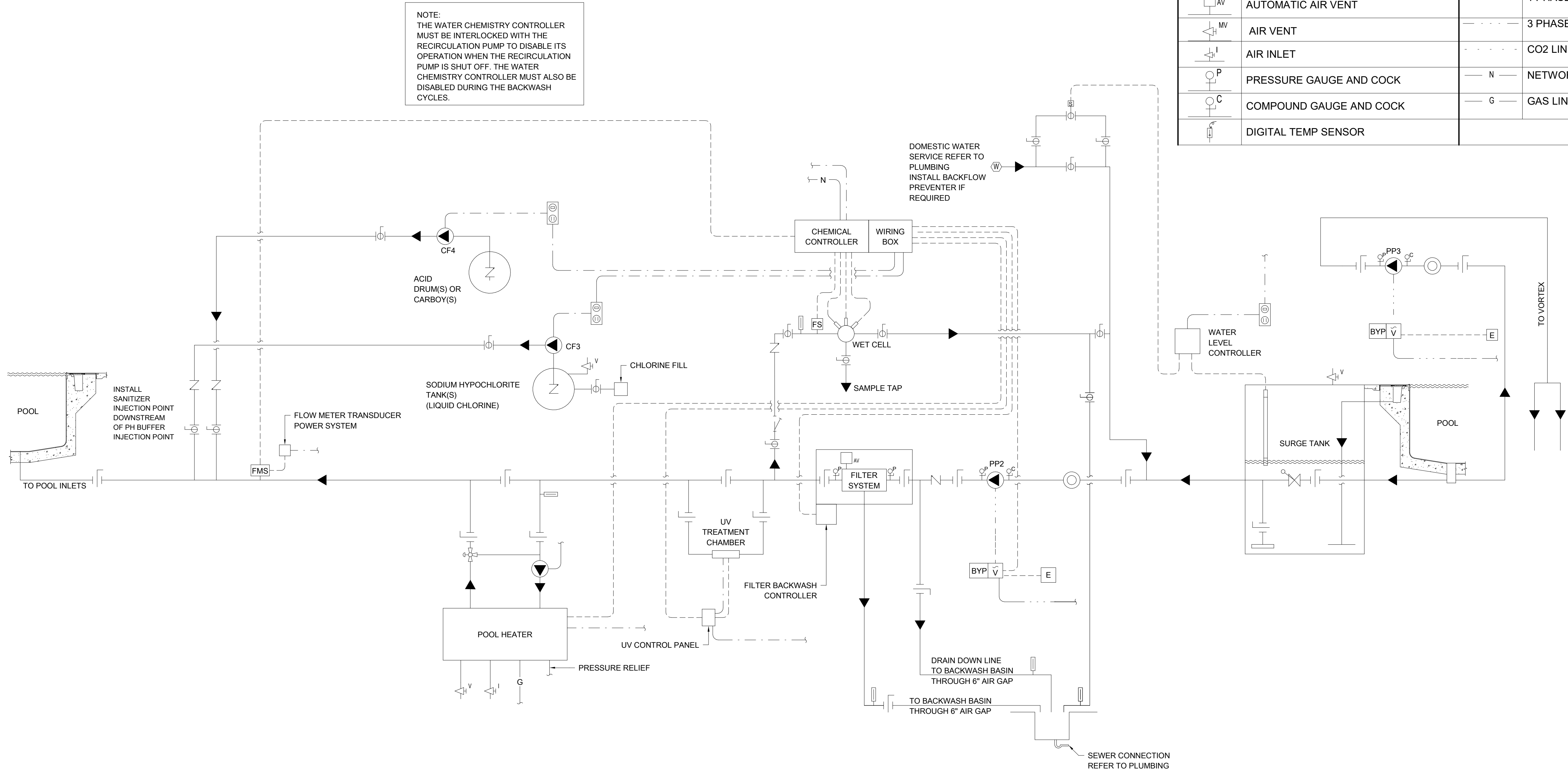
DRAWING TITLE

LAP POOL SYSTEMS
SCHEMATIC

SHEET NO.

AQ9.0

ISSUED FOR CONSTRUCTION



SCHEMATIC LEGEND			
LEGEND	ITEM	LEGEND	ITEM
	FLOW DIRECTION		THERMOMETER
	BUTTERFLY VALVE		PNEUMATIC ACTUATOR
	BALL VALVE		FLOW CONTROL VALVE
	MODULATING FLOAT		COMBINATION SWITCH/RECEPTACLE
	SOLENOID VALVE		DUPLEX OUTLET
	CHECK VALVE		VARIABLE FREQUENCY DRIVE
	PUMP		REMOTE START/STOP
	HAIR AND LINT STRAINER		EMERGENCY STOP
	"Y" STRAINER		VARIABLE FREQUENCY DRIVE BYPASS
	FLOW METER		CONTACT MOTOR SELECTOR
	FLOW SWITCH		ELECTRONIC FLOCCULATION SIGNAL TAG
	IMPACT FLOW METER		15 MINUTE TIMER SWITCH
	VENTURI FLOW METER		LOW VOLTAGE CONTROL
	WATER METER		WATER LINE
	AUTOMATIC AIR VENT		1 PHASE POWER
	AIR VENT		3 PHASE POWER
	AIR INLET		CO2 LINE
	PRESSURE GAUGE AND COCK		NETWORK LINE
	COMPOUND GAUGE AND COCK		GAS LINE
	DIGITAL TEMP SENSOR		



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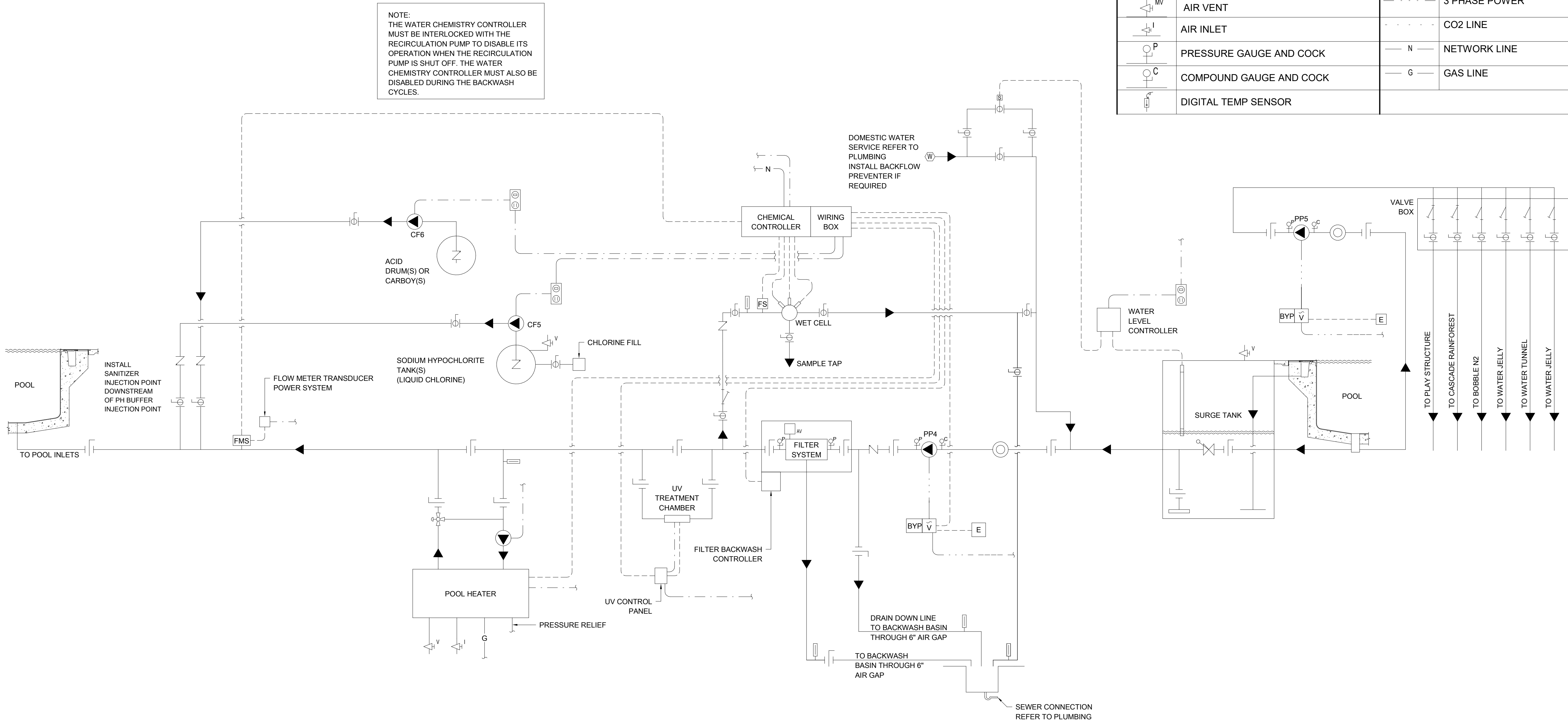
7383

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TEACHING /
EXERCISE POOL
SYSTEMS SCHEMATIC

SHEET NO.

AQ9.1



SCHEMATIC LEGEND			
LEGEND	ITEM	LEGEND	ITEM
	FLOW DIRECTION		THERMOMETER
	BUTTERFLY VALVE		PNEUMATIC ACTUATOR
	BALL VALVE		FLOW CONTROL VALVE
	MODULATING FLOAT		COMBINATION SWITCH/RECEPTACLE
	SOLENOID VALVE		DUPLEX OUTLET
	CHECK VALVE		VARIABLE FREQUENCY DRIVE
	PUMP		REMOTE START/STOP
	HAIR AND LINT STRAINER		EMERGENCY STOP
	"Y" STRAINER		VARIABLE FREQUENCY DRIVE BYPASS
	FLOW METER		CONTACT MOTOR SELECTOR
	FLOW SWITCH		ELECTRONIC FLOCCULATION SIGNAL TAG
	IMPACT FLOW METER		15 MINUTE TIMER SWITCH
	VENTURI FLOW METER		LOW VOLTAGE CONTROL
	WATER METER		WATER LINE
	AUTOMATIC AIR VENT		1 PHASE POWER
	AIR VENT		3 PHASE POWER
	AIR INLET		CO2 LINE
	PRESSURE GAUGE AND COCK		NETWORK LINE
	COMPOUND GAUGE AND COCK		GAS LINE
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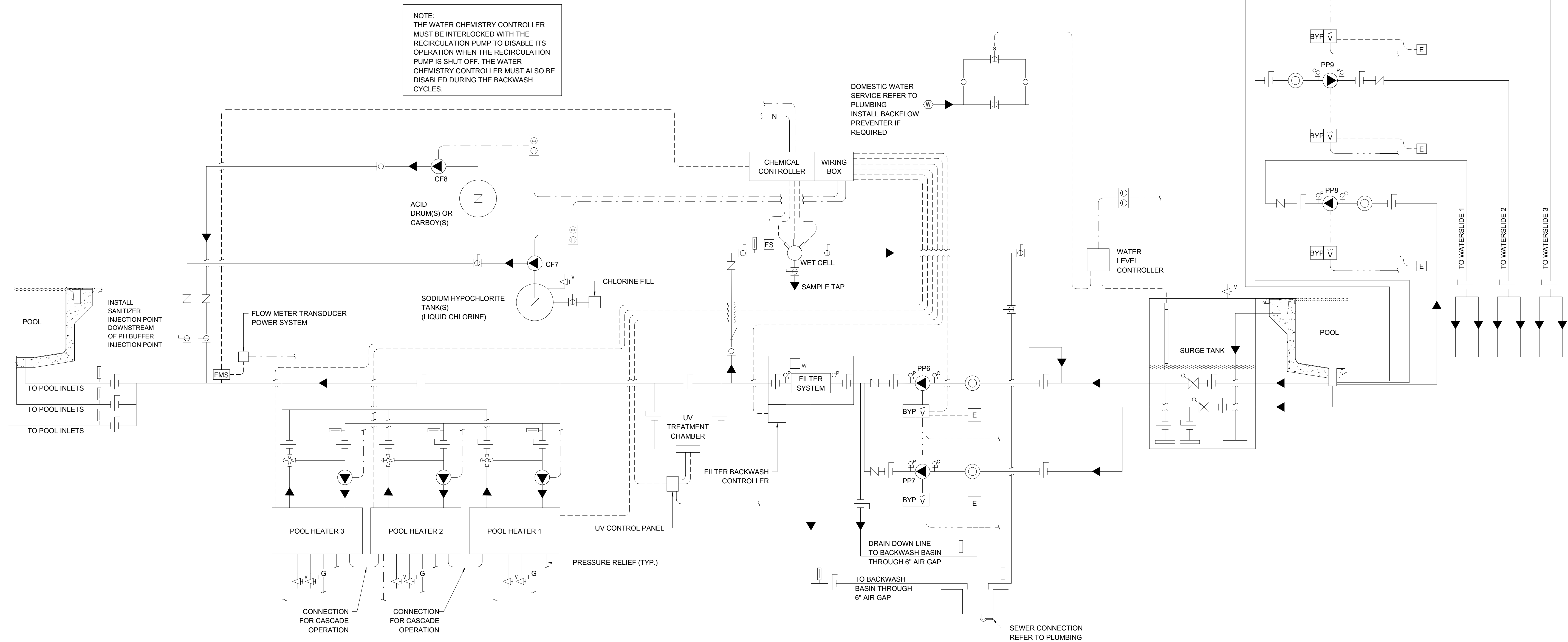
DRAWING TITLE

WADING POOL
SYSTEMS SCHEMATIC

SHEET NO.

AQ9.2

ISSUED FOR CONSTRUCTION



SCHEMATIC LEGEND			
LEGEND	ITEM	LEGEND	ITEM
	FLOW DIRECTION		THERMOMETER
	BUTTERFLY VALVE		PNEUMATIC ACTUATOR
	BALL VALVE		FLOW CONTROL VALVE
	MODULATING FLOAT		COMBINATION SWITCH/RECEPTACLE
	SOLENOID VALVE		DUPLEX OUTLET
	CHECK VALVE		VARIABLE FREQUENCY DRIVE
	PUMP		REMOTE START/STOP
	HAIR AND LINT STRAINER		EMERGENCY STOP
	"Y" STRAINER		VARIABLE FREQUENCY DRIVE BYPASS
	FLOW METER		CONTACT MOTOR SELECTOR
	FLOW SWITCH		ELECTRONIC FLOCCULATION SIGNAL TAG
	IMPACT FLOW METER		15 MINUTE TIMER SWITCH
	VENTURI FLOW METER		LOW VOLTAGE CONTROL
	WATER METER		WATER LINE
	AUTOMATIC AIR VENT		1 PHASE POWER
	AIR VENT		3 PHASE POWER
	AIR INLET		CO2 LINE
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	COMPOUND GAUGE AND COCK		GAS LINE
	DIGITAL TEMP SENSOR		



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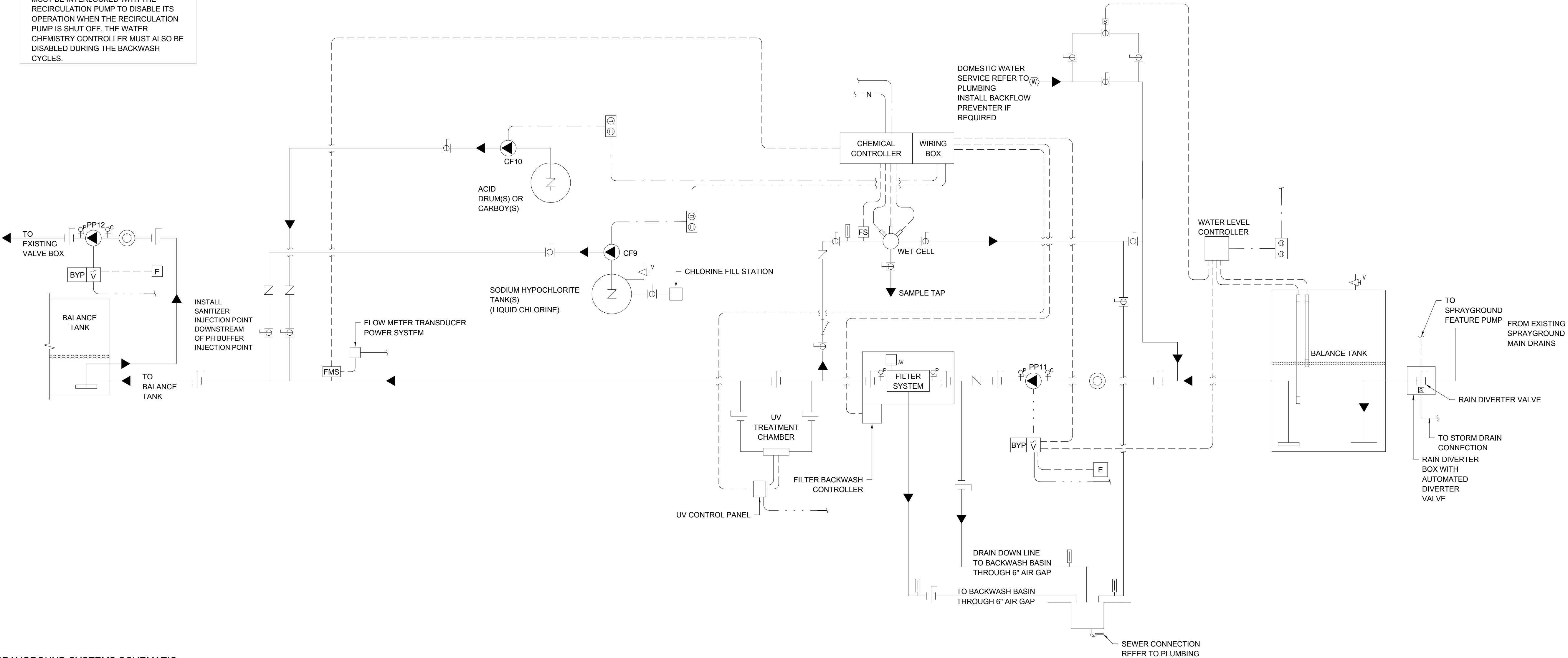
LEISURE POOL
SYSTEMS SCHEMATIC

SHEET NO.

AQ9.3

ISSUED FOR CONSTRUCTION

NOTE:
THE WATER CHEMISTRY CONTROLLER
MUST BE INTERLOCKED WITH THE
RECIRCULATION PUMP TO DISABLE ITS
OPERATION WHEN THE RECIRCULATION
PUMP IS SHUT OFF. THE WATER
CHEMISTRY CONTROLLER MUST ALSO BE
DISABLED DURING THE BACKWASH
CYCLES.



SCHEMATIC LEGEND			
LEGEND	ITEM	LEGEND	ITEM
	FLOW DIRECTION		THERMOMETER
	BUTTERFLY VALVE		PNEUMATIC ACTUATOR
	BALL VALVE		FLOW CONTROL VALVE
	MODULATING FLOAT		COMBINATION SWITCH/RECEPTACLE
	SOLENOID VALVE		DUPLEX OUTLET
	CHECK VALVE		VARIABLE FREQUENCY DRIVE
	PUMP		REMOTE START/STOP
	HAIR AND LINT STRAINER		EMERGENCY STOP
	"Y" STRAINER		VARIABLE FREQUENCY DRIVE BYPASS
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SPRAYGROUND
SYSTEMS SCHEMATIC

SHEET NO.

AQ9.4

