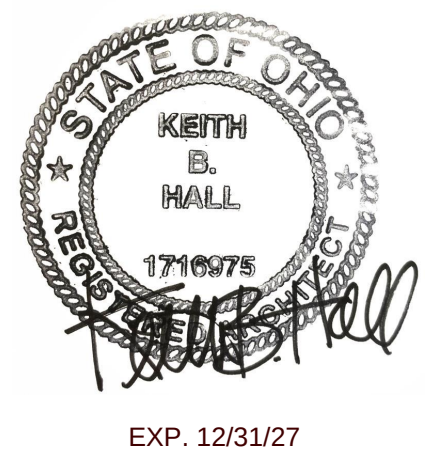


6/11/2026 10:45:13 AM Autodesk Docs://25306.00_City of Troy Aquatic Park Improvements-Maintenance.rvt TROY AQUATIC PARK MAINTENANCE IMPROVEMENTS CITY OF TROY RECREATION 460 WEST STAUNTON DRIVE TROY, OHIO 45373

TROY AQUATIC PARK MAINTENANCE IMPROVEMENTS

CITY OF TROY RECREATION

460 WEST STAUNTON DRIVE TROY,
OHIO 45373



REBID SET - 7/10/2026

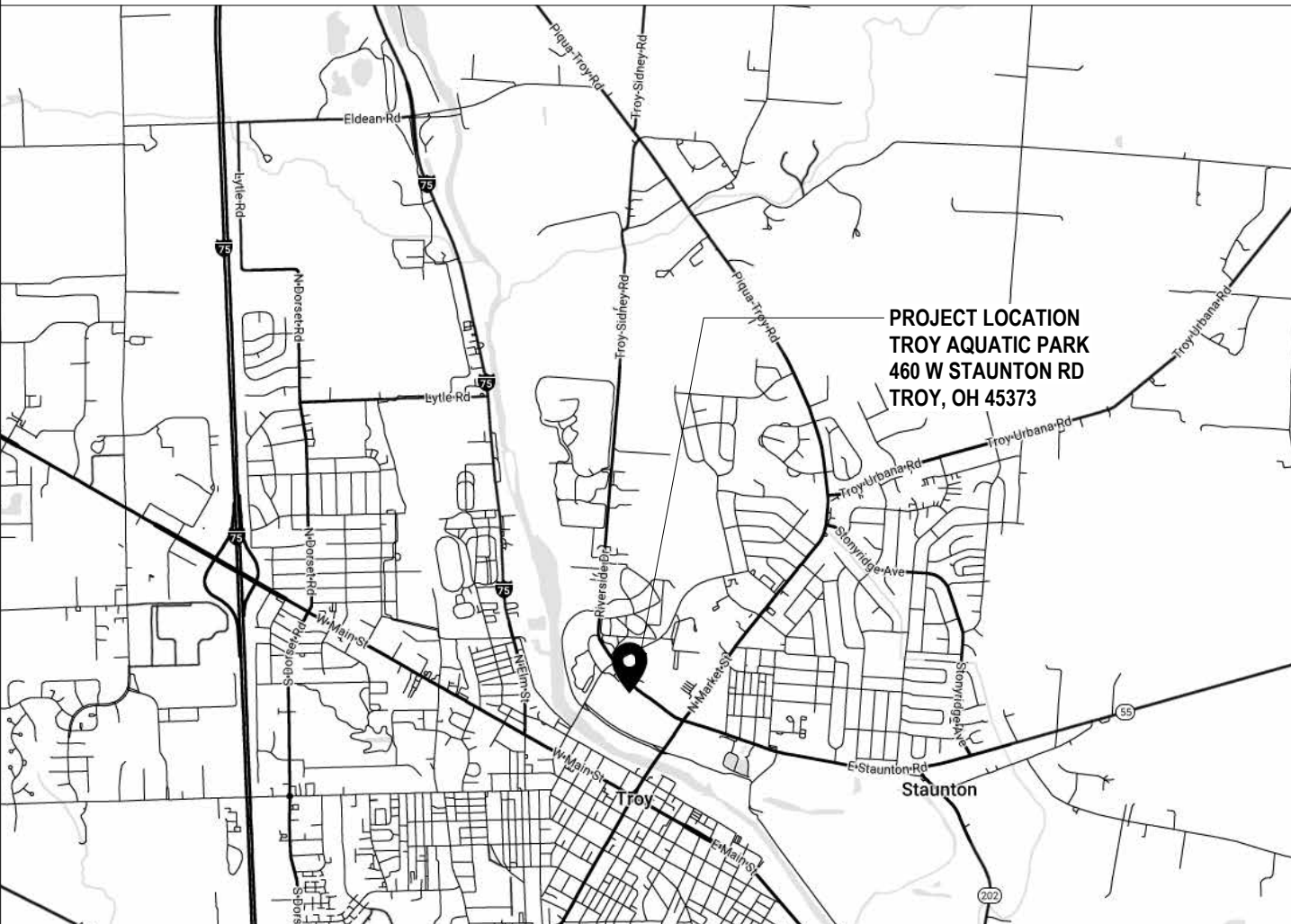
OWNER: CITY OF TROY 100 S MARKET STREET TROY, OHIO 45373 (T): (937) 335-1725 www.troyohio.gov	ARCHITECT: MSA SPORT 15 W. CHERRY STREET SUITE 300 COLUMBUS, OH 43215 (T): (513) 241-5666 www.msaarch.com	POOL CONSULTANT: WATER TECHNOLOGY INC. 100 PARK AVE BEAVER DAM, WI 53916 (T): (920) 887-7375 www.watertechnologyinc.com	MEP & STRUCTURAL ENGINEER: KORDA / NEMETH ENGINEERING 1650 WATERMARK DRIVE COLUMBUS, OH 43215 (T): (614) 487-1650 www.korda.com
--	---	--	--



SHEET INDEX

GENERAL	
G0.00	COVER SHEET
G0.10	ARCHITECTURAL STANDARDS & GENERAL NOTES
G0.20	2024 ACCESSIBILITY STANDARDS & TYPICAL MOUNTING HEIGHTS
G0.40	CODE ANALYSIS
ARCHITECTURE	
A0.10	SITE PLAN
A1.00	FIRST FLOOR DEMOLITION PLAN
A2.00	FIRST FLOOR CONSTRUCTION PLAN
A3.50	BUILDING ELEVATIONS & SECTIONS
A6.00	DOOR SCHEDULES & BUILDING DETAILS
STRUCTURAL	
S001	STRUCTURAL NOTES
S101	FOUNDATION AND FRAMING PLAN
S201	ELEVATION AND ISOMETRIC VIEWS
S510	STRUCTURAL DETAILS
PLUMBING	
P001	PLUMBING INDEX SHEET
P201	PLUMBING PLANS
MECHANICAL	
H001	HVAC INDEX SHEET
H201	HVAC PLANS
ELECTRICAL	
E000	ELECTRICAL SYMBOLS AND LEGENDS
E001	ELECTRICAL SITE PLAN
E101	ELECTRICAL DEMOLITION PLAN - ENTRY AREA
E102	ELECTRICAL DEMOLITION PLAN - PUMP ROOM
E201	ELECTRICAL NEW WORK PLAN - ENTRY AREA
E202	ELECTRICAL NEW WORK PLAN - PUMP ROOM
E501	ELECTRICAL SCHEDULES
E601	ONE-LINE DIAGRAM - EXISTING
E602	ONE-LINE DIAGRAM - DEMOLITION
E603	ONE-LINE DIAGRAM - NEW WORK
E604	ONE-LINE SCHEDULES
E701	ELECTRICAL DETAILS
E702	ELECTRICAL DETAILS
AQUATICS	
PL100	OVERALL AQUATIC PLAN
D100	DEMOLITION PLAN
D101	DEMOLITION DETAILS
PL101	GENERAL DETAILS AND SCHEDULES
PL102	GENERAL DETAILS
PL110	POOL DIMENSION PLANS
PL200	STRUCTURAL NOTES, PLANS(S) AND SCHEDULE
PL210	STRUCTURAL DETAILS
PL400	MECHANICAL EQUIPMENT PLAN
PL401	MECHANICAL DETAILS

VICINITY MAP



TROY AQUATIC PARK MAINTENANCE IMPROVEMENTS
CITY OF TROY RECREATION
460 WEST STAUNTON DRIVE TROY, OHIO 45373

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NO.	DATE	ISSUED / REVISION
	01/09/26	DO SET
	04/10/26	BID SET
	04/21/26	ADDENDUM 01
	07/10/26	REBID SET

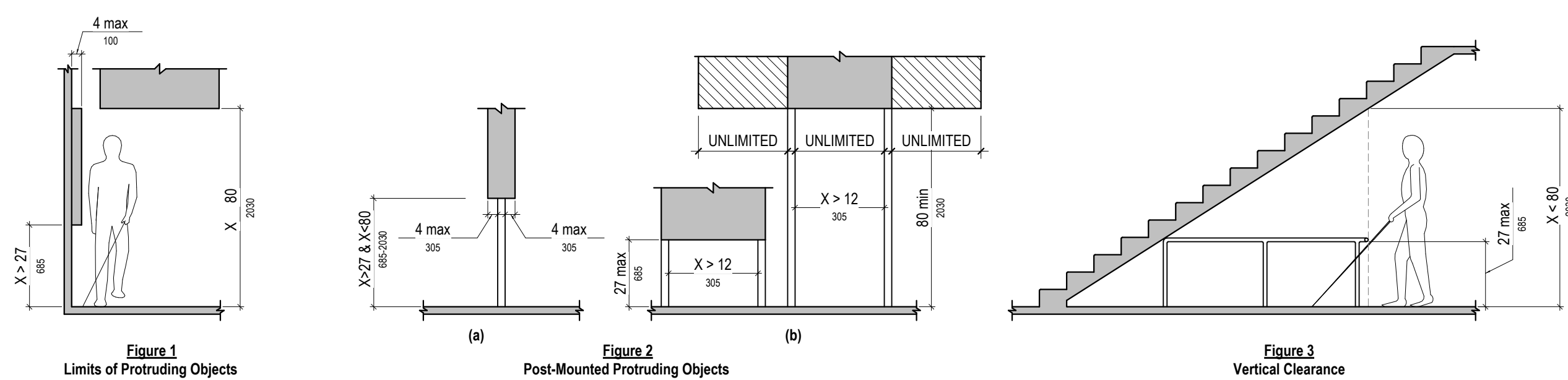
PROJECT NO. 25306.00

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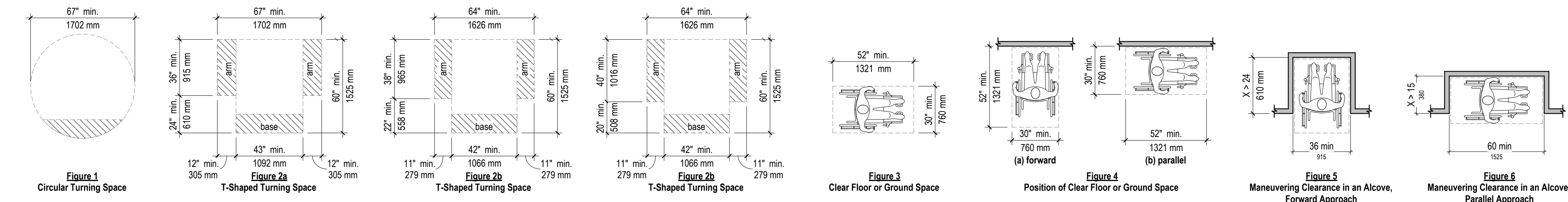
G0.00

ACCESSIBILITY GUIDELINES

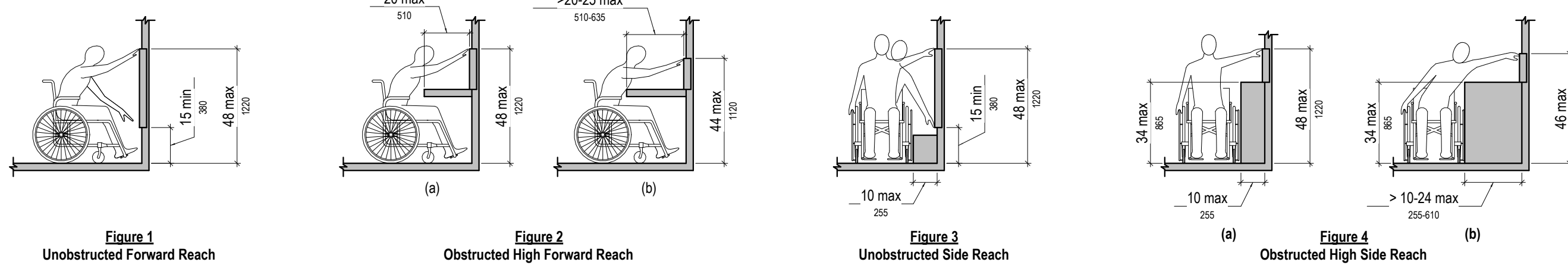
(REFER TO APPLICABLE LOCAL BUILDING CODE, 2010 ADA REGULATIONS, ANSI A117.1 2009 - ALTERATIONS AND CHANGE OF OCCUPANCY, & ANSI A117.1 2017 - NEW CONSTRUCTION AND ADDITIONS)



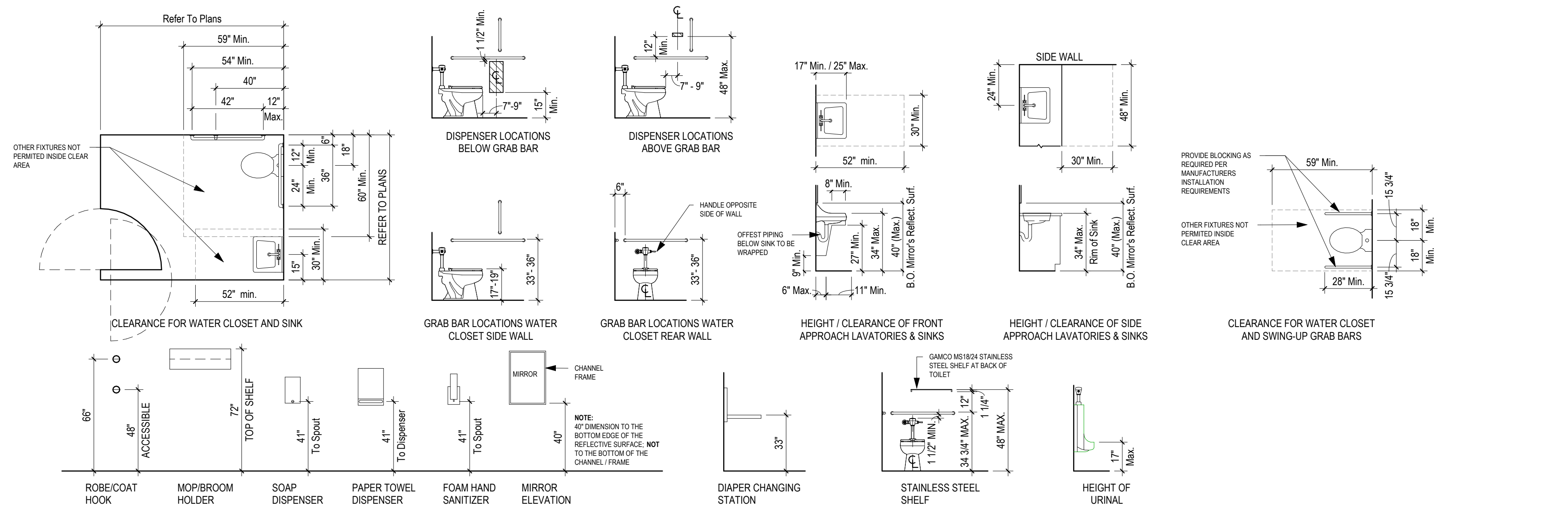
PROTRUDING OBJECTS



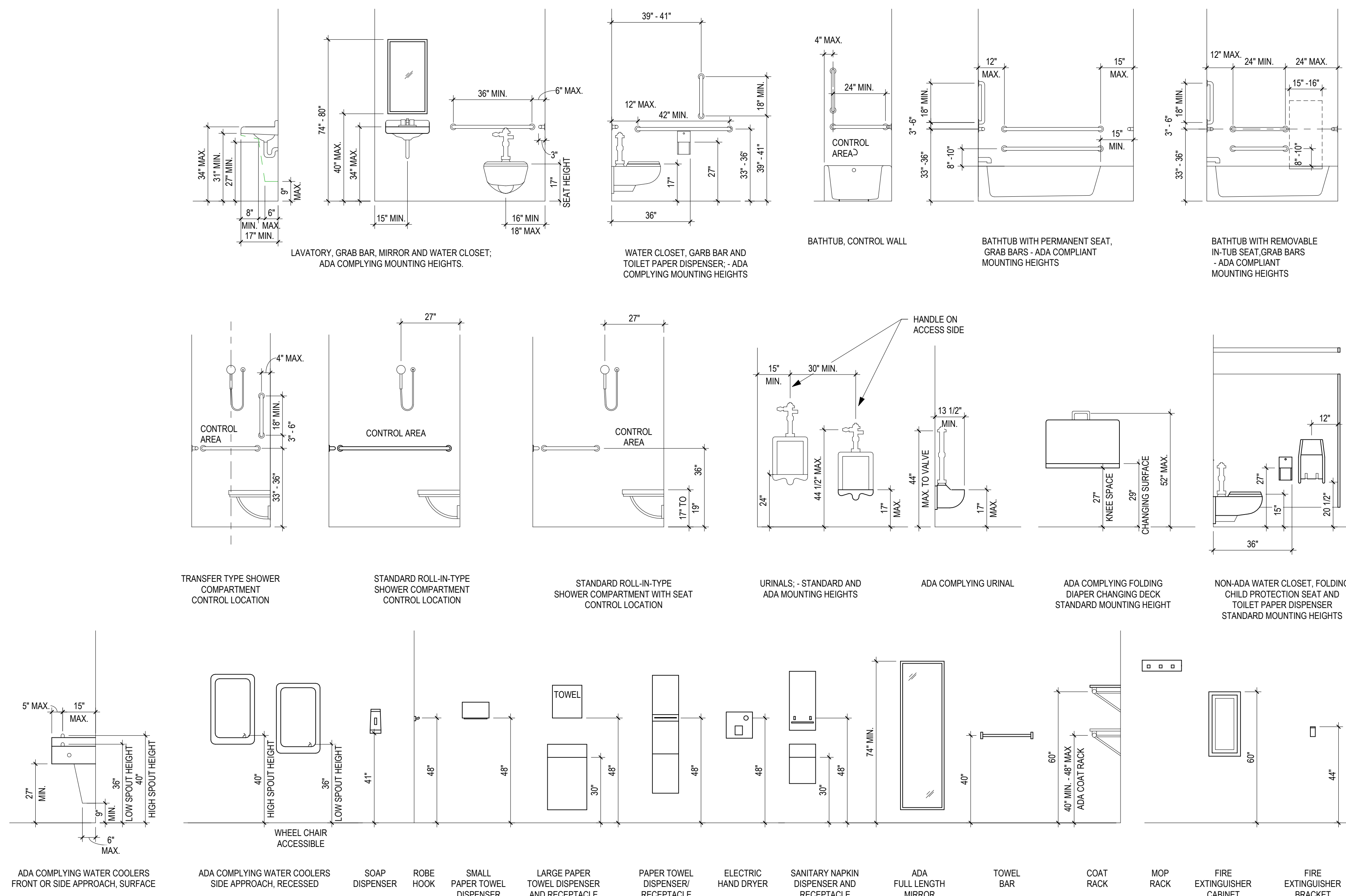
CLEAR FLOOR AREA - 2024



FRONT/SIDE REACH



FIXTURE & ACCESSORY CLEARANCES - 2024



STANDARD MOUNTING HEIGHTS

TROY AQUATIC PARK MAINTENANCE IMPROVEMENTS

CITY OF TROY RECREATION

460 WEST STAUNTON DRIVE TROY, OHIO 45373

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PROJECT NO. 25306.00

DRAWING TITLE:
2024 ACCESSIBILITY
STANDARDS &
TYPICAL MOUNTING
HEIGHTS

G0.20

CODE NOTES

PROJECT DESCRIPTION:
PROJECT SCOPE: GENERAL MAINTENANCE FOR TROY AQUATIC PARK, INCLUDING REPLACEMENT OF EQUIPMENT AS REQUIRED, REPLACEMENT OF FENCING, TILE REPAIR, AND FENCE REPAIR. EXISTING ENTRY STRUCTURE WILL BE REMOVED AND REPLACED WITH A NEW STEEL FRAMED ENTRY STRUCTURE. SCOPE INCLUDES MINOR MECHANICAL, ELECTRICAL, AND STRUCTURAL WORK AS REQUIRED FOR MAINTENANCE.

CONTRACTOR SHALL COMPLY WITH ALL CODES, LAWS, ORDINANCES, RULES AND INDUSTRY REGULATIONS BEARING ON THE INSTALLATION OF THE WORK SHOWN HEREIN. ALL WORK IS TO BE INSTALLED TO MEET CURRENT CODE REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING REQUIREMENTS PRIOR TO INSTALLING WORK.

GOVERNING AGENCIES & APPLICABLE CODES:

APPLICABLE BUILDING CODES:
2024 OHIO BUILDING CODE
2024 OHIO EXISTING BUILDING CODE
2024 OHIO MECHANICAL CODE
2024 OHIO PLUMBING CODE
2017 OHIO FIRE CODE
2021 INTERNATIONAL ENERGY CODE
2023 NATIONAL ELECTRICAL CODE
ICC 500-2014

WORK AREA COMPLIANCE METHOD (PER OEBC 301.3.2):

ADDITION COMPLIES WITH APPLICABLE REQUIREMENTS IN SECTION 302 THROUGH 309

EXISTING BUILDING SF: 2,572 SF
LEVEL 1 ALTERATION WORK AREA (PER OEBC 603): 286 SF

ALTERATIONS - LEVEL 1 (PER OEBC 800):

ALTERATIONS TO BUILDING COMPLY WITH REQUIREMENTS IN CHAPTER

USE AND OCCUPANCY CLASSIFICATIONS (PER OBC CHAPTER 3):
EXISTING USE: NON-OPERATED LIVER USE

EXISTING USE: NON-SEPARATED MIXED USE
A-5 ASSEMBLY (BATH HOUSE)
S-1 STORAGE (POOL MECH.)

PROPOSED USE: SAME, NO CHANGE:
A-5 ASSEMBLY (BATH HOUSE)
S-1 STORAGE (POOL MECH.)

CONSTRUCTION TYPE (PER OBC CHAPTER 6) :

TYPE VB, COMBUSTIBLE (NO CHANGE FROM EXISTING)

GENERAL BUILDING HEIGHTS AND AREAS (PER OBC CHAPTER 5) :

ALLOWABLE HEIGHT PER OBC TABLE 504.3:	
A-5 USE IN TYPE VB CONSTRUCTION =	UNLIMITED
ACTUAL HEIGHT:	17 FEET (NO CHANGE FROM EXISTING)

ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE (PER OBC TABLE 504.4):
 A-5 USE IN TYPE VB CONSTRUCTION = 1 STORIES
 ACTUAL NUMBER OF STORIES: 1 STORY (NO CHANGE FROM EXISTING)

ALLOWABLE AREA (PER OBC SECTION 506.2.2 AND OBC TABLE 506.2):
A-4 USE, TYPE VB CONSTRUCTION, 1 STORY, NON-SPRINKLERED NS] = 6,000 S.F.

ALLOWABLE AREA PER STORY (BASED ON MOST RESTRICTIVE, A-4):	6,000 S.F.
EXISTING BUILDING:	2,572 S.F.
ADDITION (FRONT CANOPY):	286 S.F.
ACTUAL AREA PER STORY:	2,858 S.F.

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (PER OBC TABLE 601)

PRIMARY STRUCTURAL FRAME:	0 HOURS
BEARING WALLS	
EXTERIOR:	0 HOURS
INTERIOR:	0 HOURS
NONBEARING WALLS & PARTITIONS	
EXTERIOR:	0 HOURS
INTERIOR:	0 HOURS
FLOOR CONSTRUCTION	
AND ASSOCIATED SECONDARY MEMBERS:	0 HOURS
ROOF CONSTRUCTION:	
AND ASSOCIATED SECONDARY MEMBERS:	0 HOURS

OCCUPANT LOAD (PER OBC TABLE 1004.1.2)

OCCUPANT LOAD UNCHANGED BY SCOPE OF WORK

EXISTING OCCUPANT LOAD:	
POOL HOUSE:	52 OCCUPANTS
MECHANICAL BUILDING:	6 OCCUPANTS
POOL DECK:	691 OCCUPANTS
POOLS:	210 OCCUPANTS

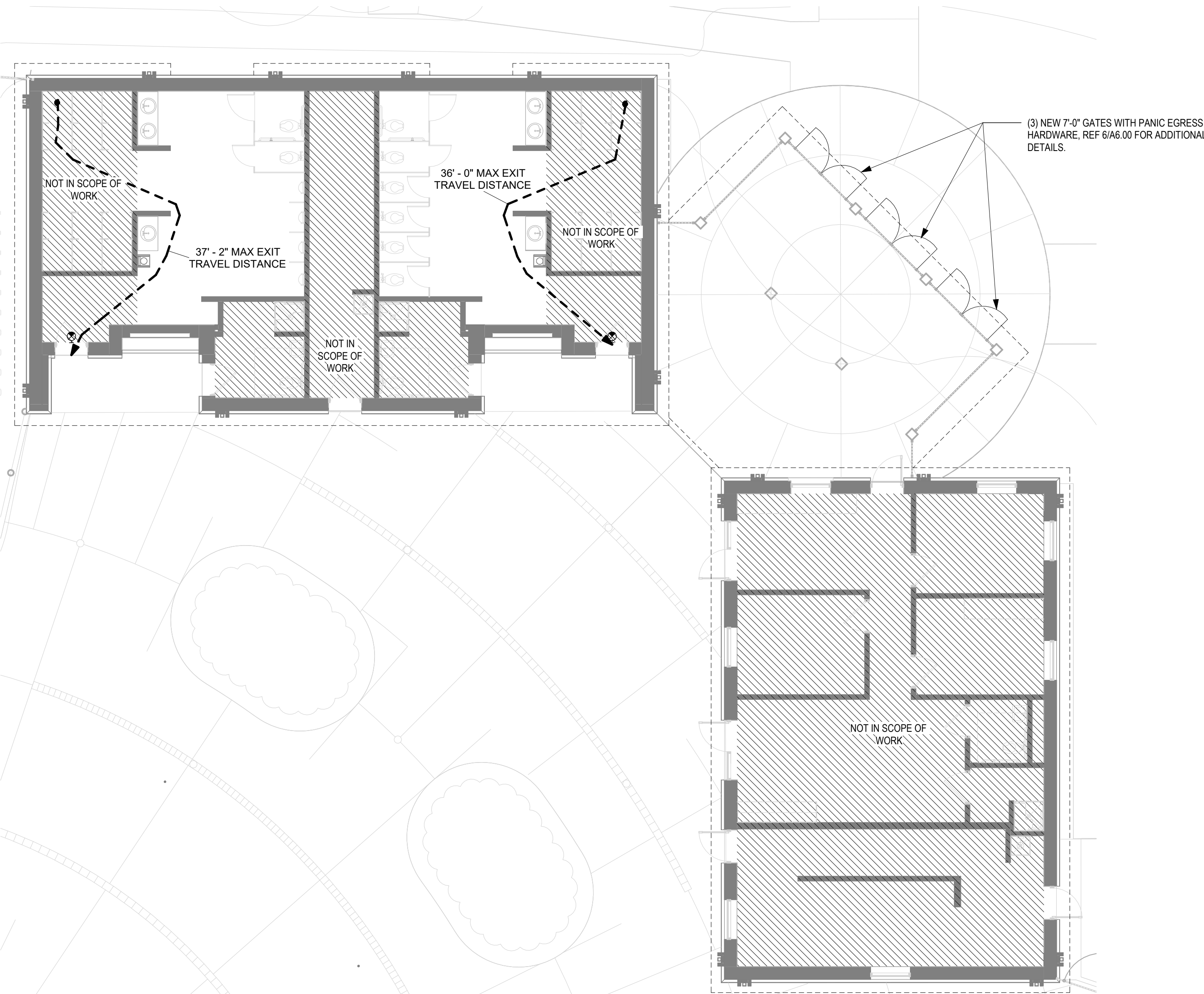
OVERALL EXISTING OCCUPANT LOAD: 959 OCCUPANTS

EXIT ACCESS TRAVEL DISTANCE (PER OBC TABLE 1017.2)

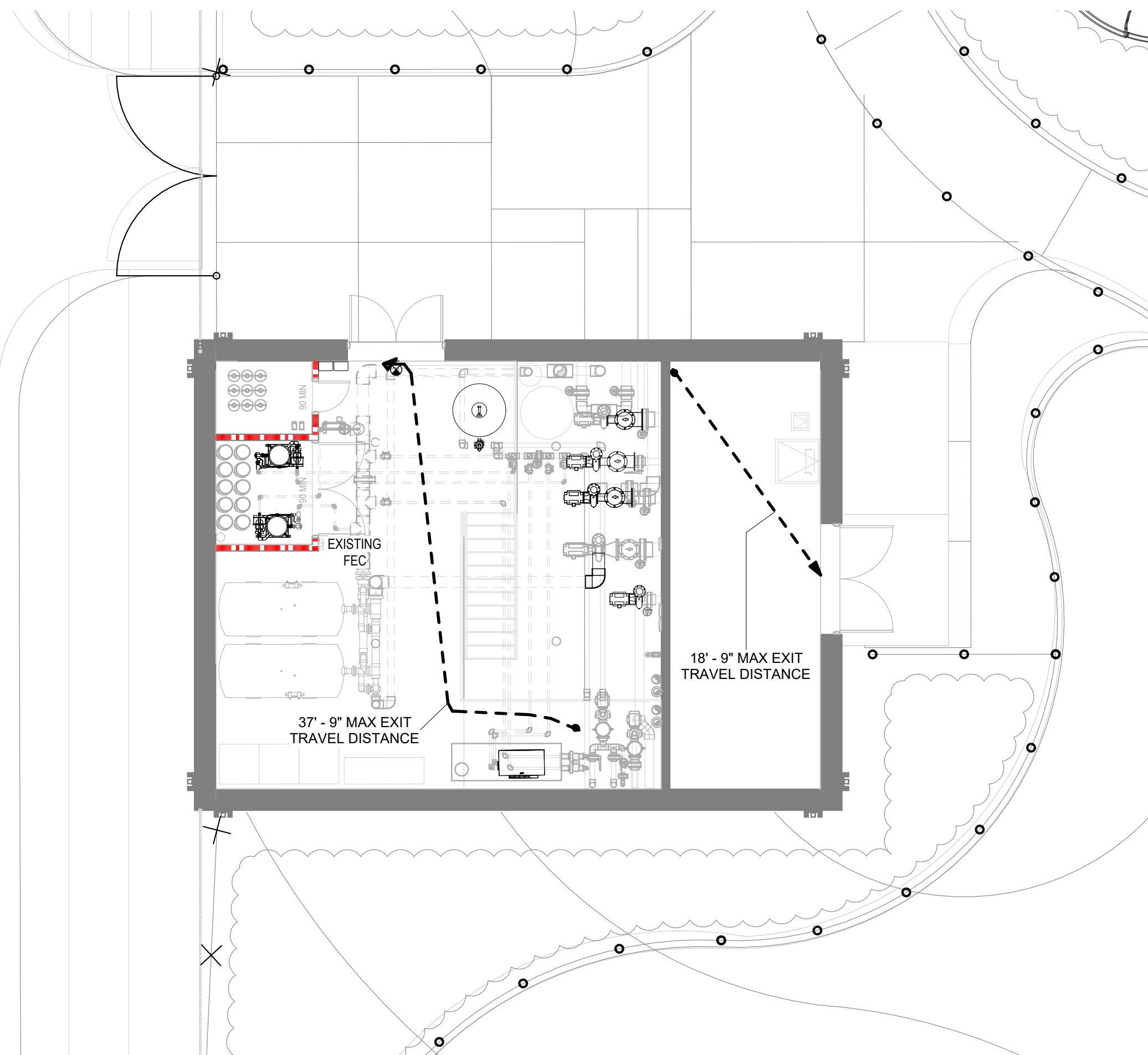
WITHOUT SPRINKLER SYSTEM:
A-4 OCCUPANCY: 200 FEET

PLUMBING FACILITIES REQUIREMENTS (PER OBC TABLE 2902.1)

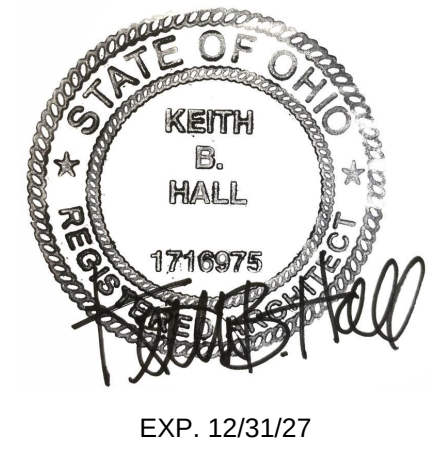
PLUMBING FIXTURE COUNT UNCHANGED BY SCOPE OF WORK.



2 POOL HOUSE CODE PLAN



1 MECH. BUILDING CODE PLAN
G0.40 1/8" = 1'-0"



TROY AQUATIC PARK MAINTENANCE IMPROVEMENTS
CITY OF TROY RECREATION
460 WEST STAUNTON DRIVE TROY, OHIO 45373

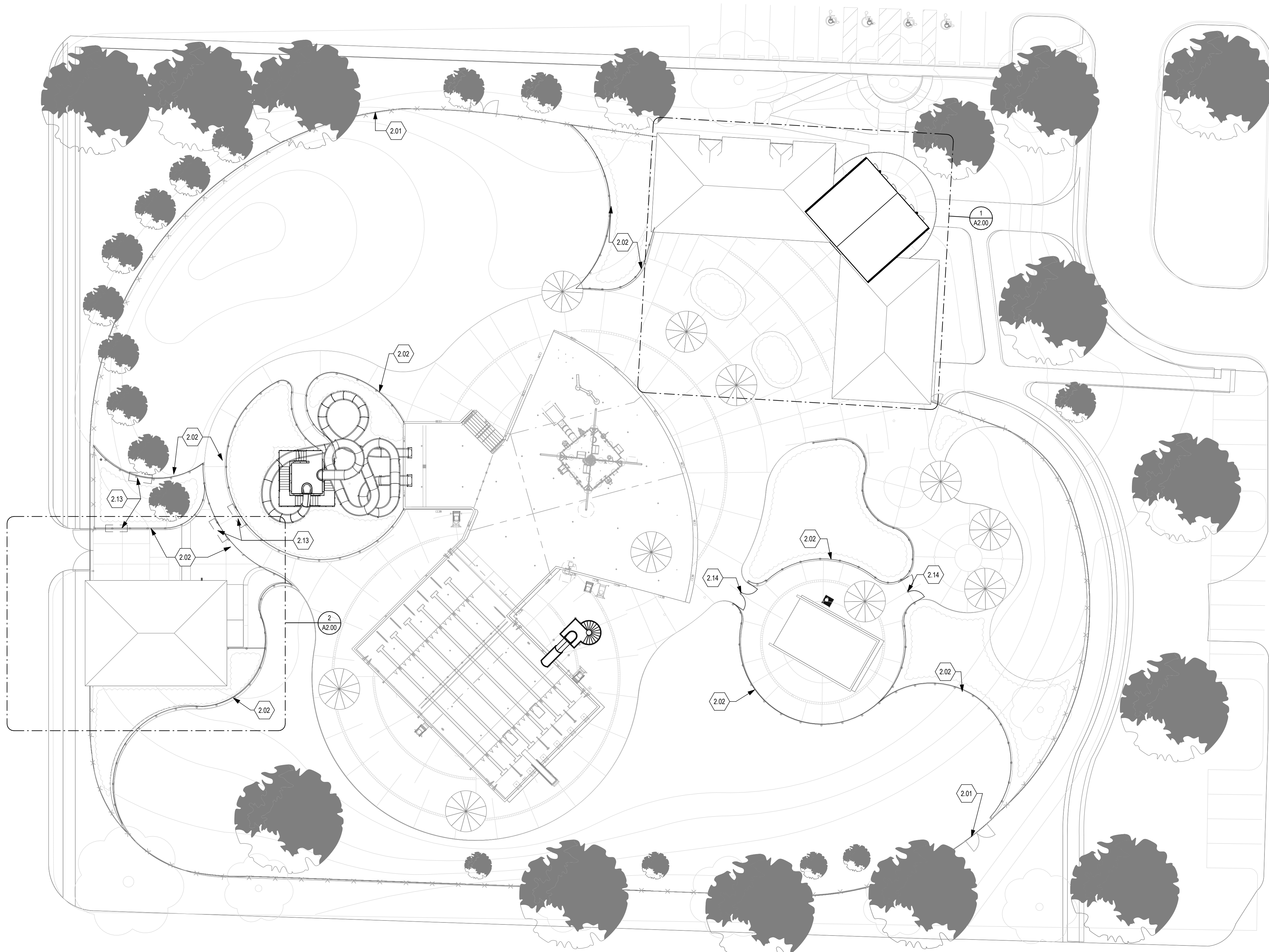
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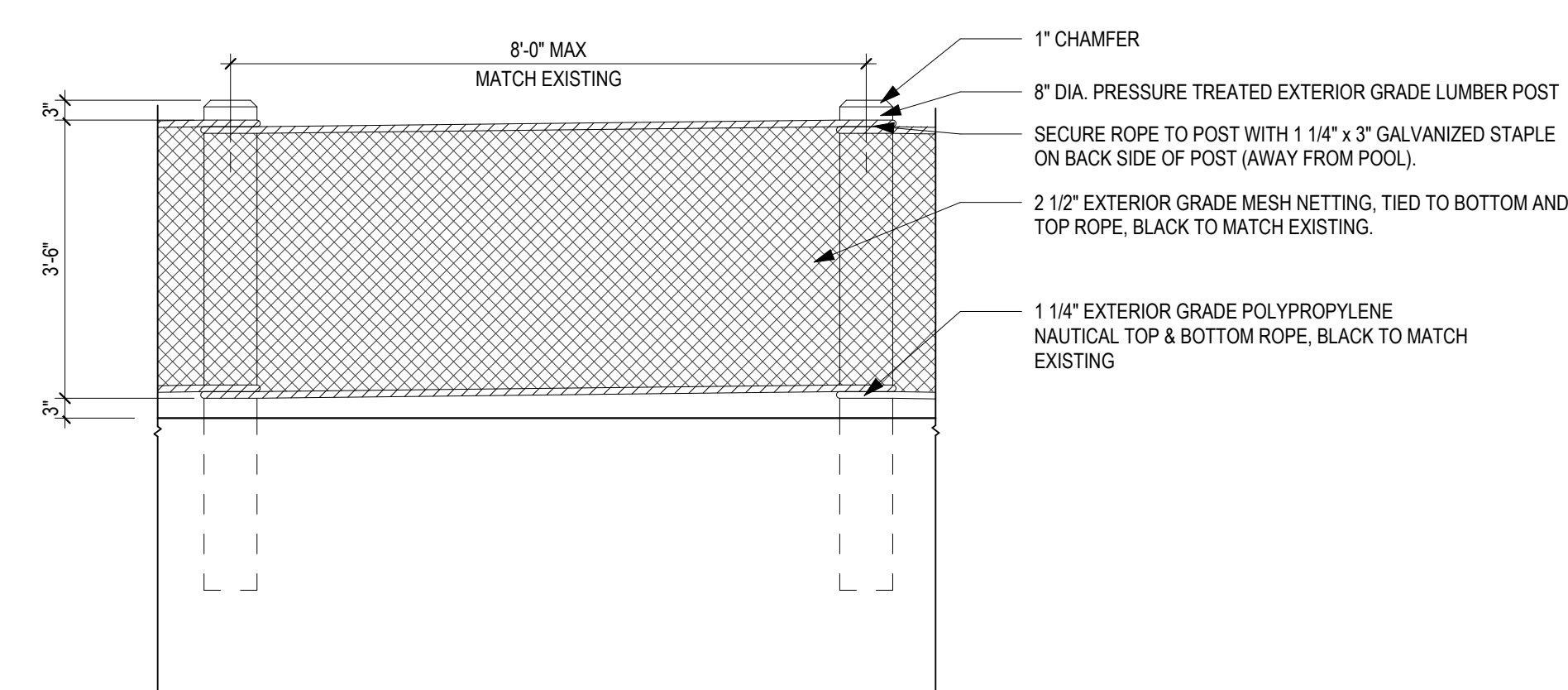
PROJECT NO. 25306.00

DRAWING TITLE:
CODE ANALYSIS

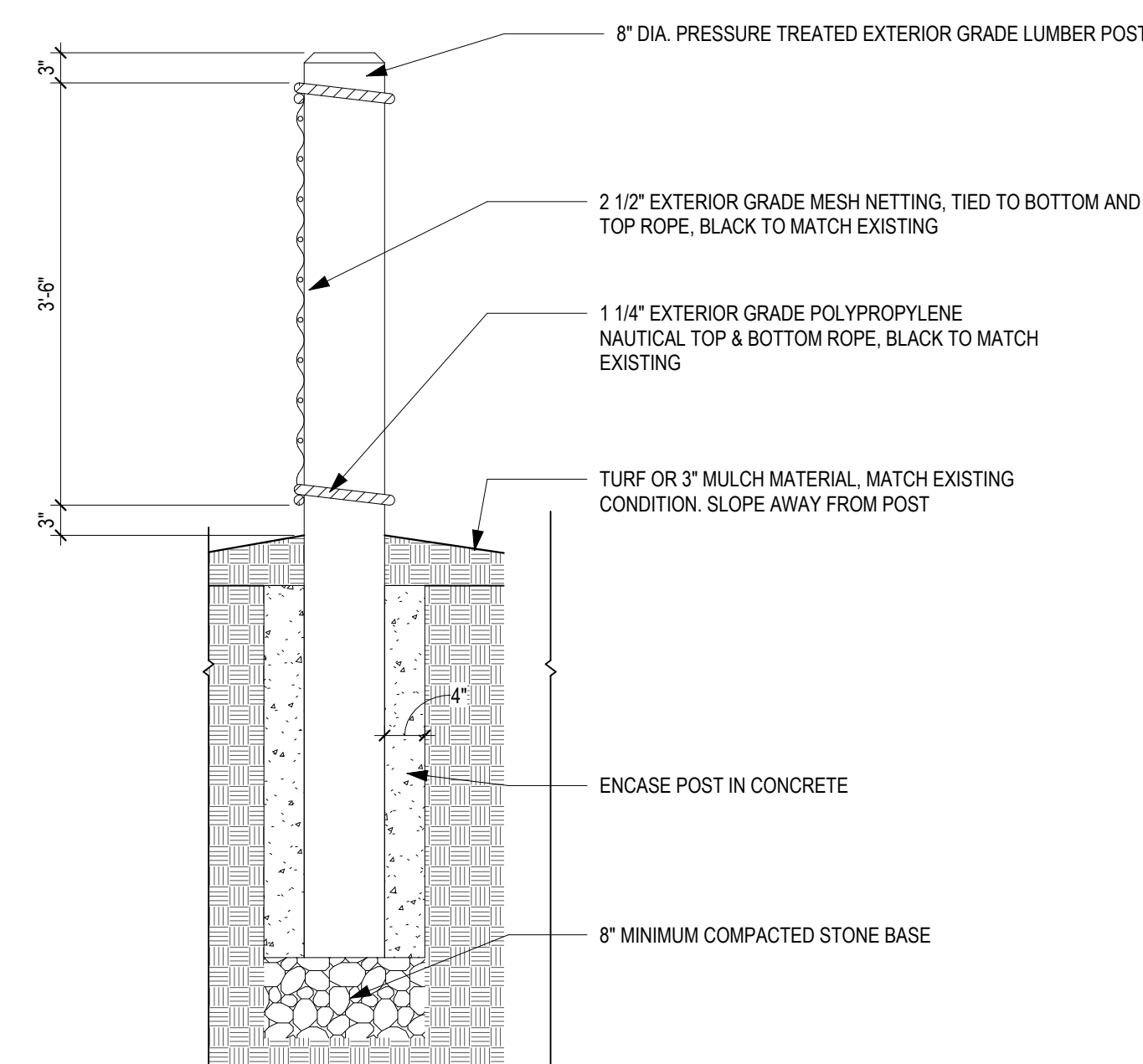
G0.40



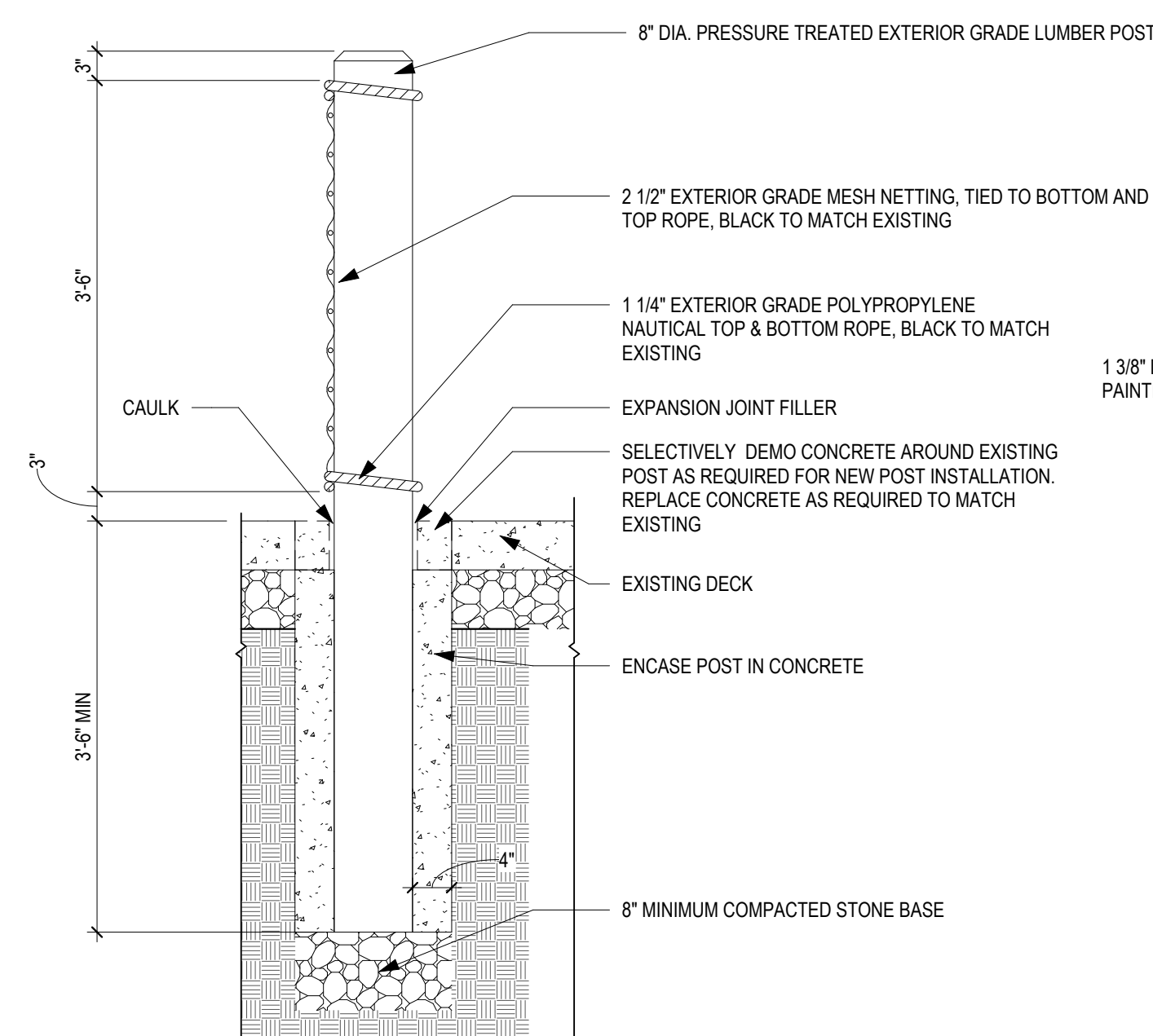
ARCHITECTURAL SITE PLAN



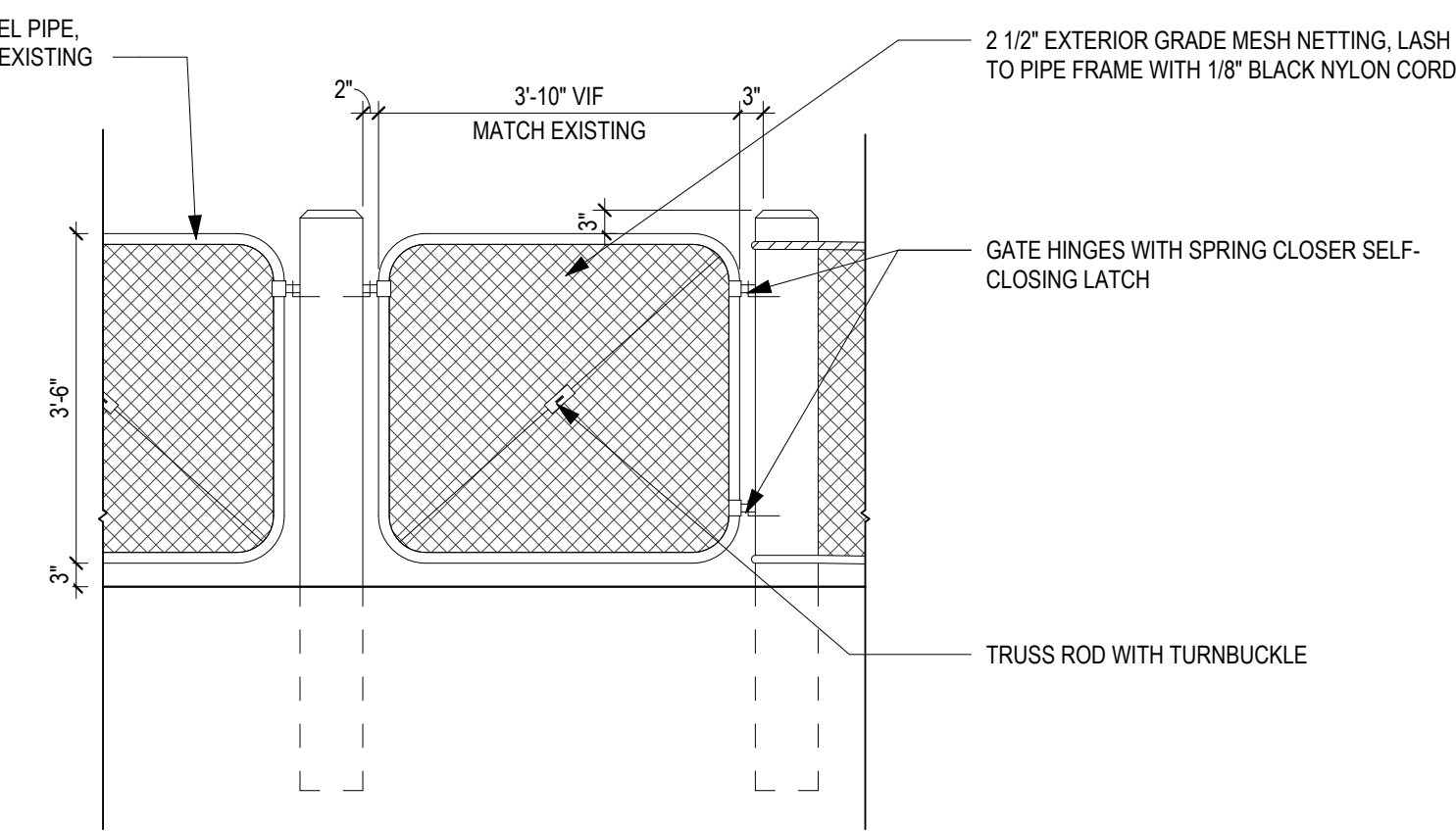
NAUTICAL ROPE BARRIER ELEVATION



NAUTICAL ROPE BARRIER POST AT BEDS



4 NAUTICAL ROPE BARRIER POST AT DECK
A0.10 3/4" = 1'-0"



NAUTICAL ROPE GATE DETAIL

KEYNOTES - CONSTRUCTION

- 2.01 EXISTING PERIMETER FENCE TO REMAIN.
- 2.02 EXISTING 3'-0" DECORATIVE ROPE FENCE TO BE REPLACED, INCLUDING TOP AND BOTTOM ROPE, NETTING, AND ASSOCIATED POSTS. REF DETAIL 2.3, AND 4 ON THIS SHEET FOR ADDITIONAL INFORMATION.
- 2.03 ROPE GATE AT LOCATION, SPLICE EYE AT RUNNING END OF TOP AND BOTTOM ROPE AT ENDS AND CONNECT TO POST WITH 8" GALVANIZED ROPE CLEAT. 1 1/4" ROPE END AT MOVEABLE SECTION, LASH NETTING TO ROPE.
- 2.04 EXISTING BARRIER GATE TO BE REPLACED WITH NAUTICAL BARRIER FENCING, REFER TO DETAIL 5 ON THIS SHEET.



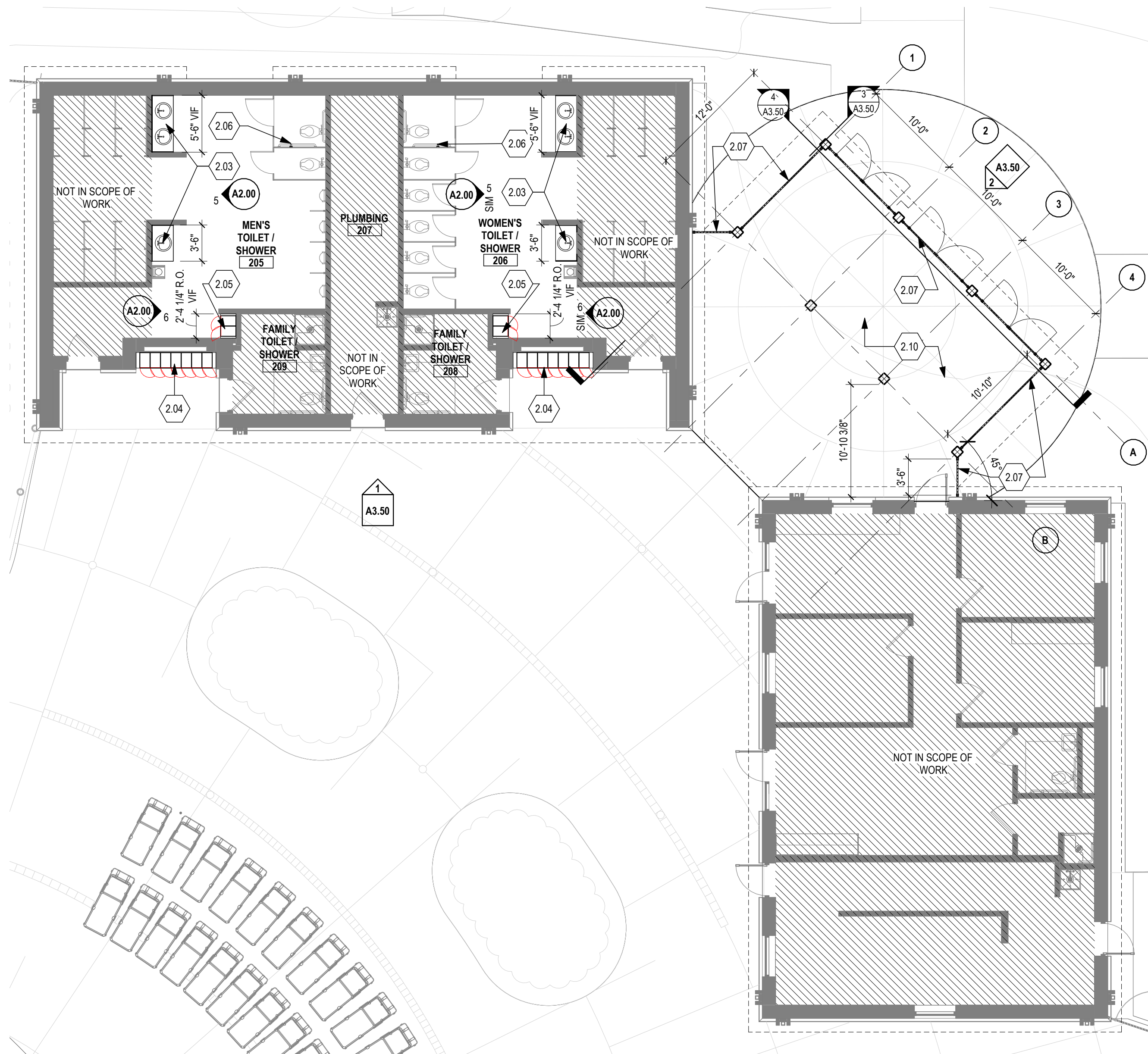
TROY AQUATIC PARK MAINTENANCE IMPROVEMENTS
CITY OF TROY RECREATION
460 WEST STAUNTON DRIVE TROY, OHIO 45373

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PROJECT NO. 25306.00
DRAWING TITLE:
SITE PLAN

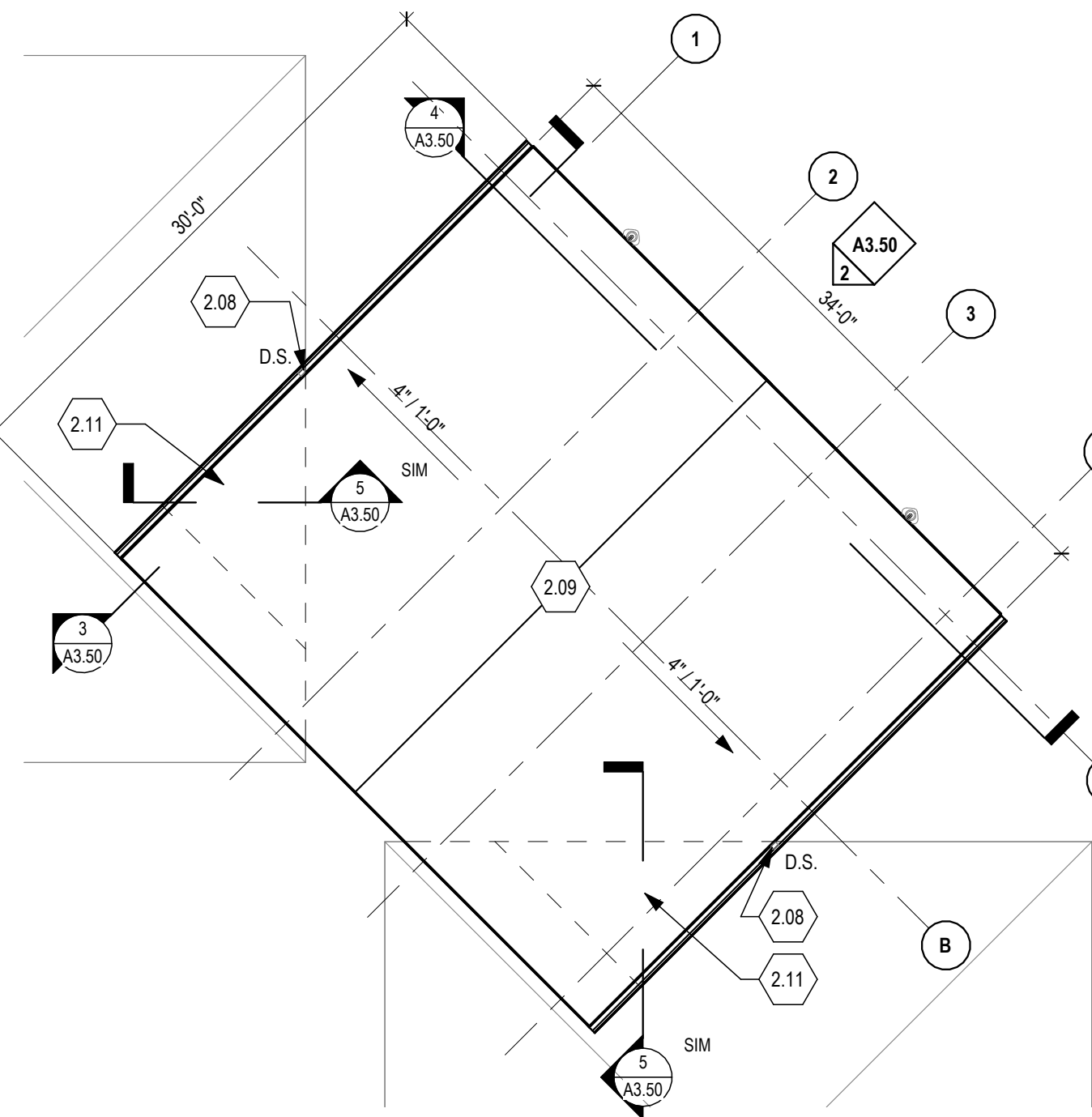
A0.10



1 FIRST FLOOR CONSTRUCTION PLAN - FRONT ENTRY

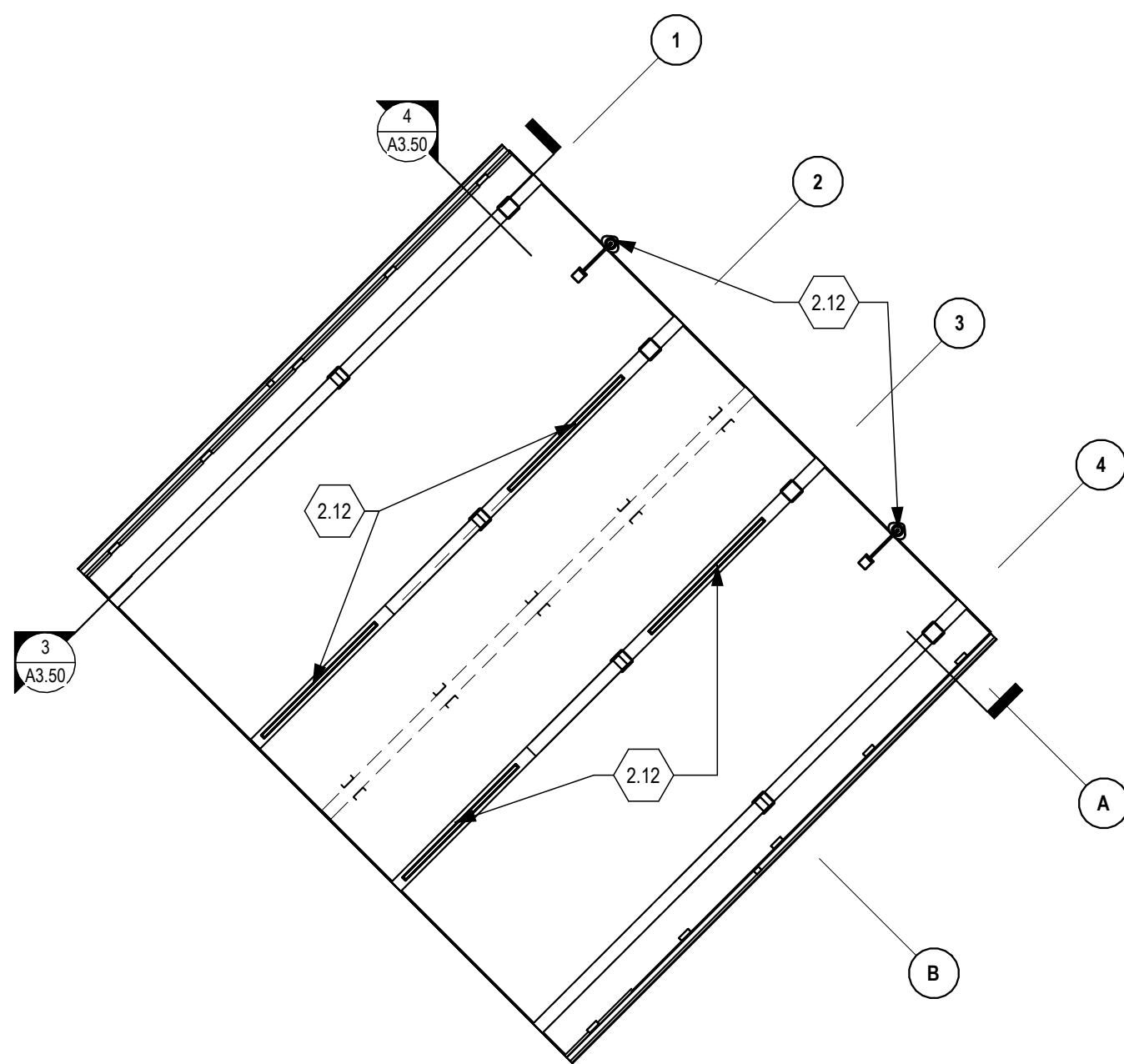
1/8" = 1'-0"

EQUIPMENT SCHEDULE			
MARK	DESCRIPTION	MANUFACTURER	MODEL
M1	24"x36" MIRROR	BOBRICK	B-165 2436
COMMENTS			



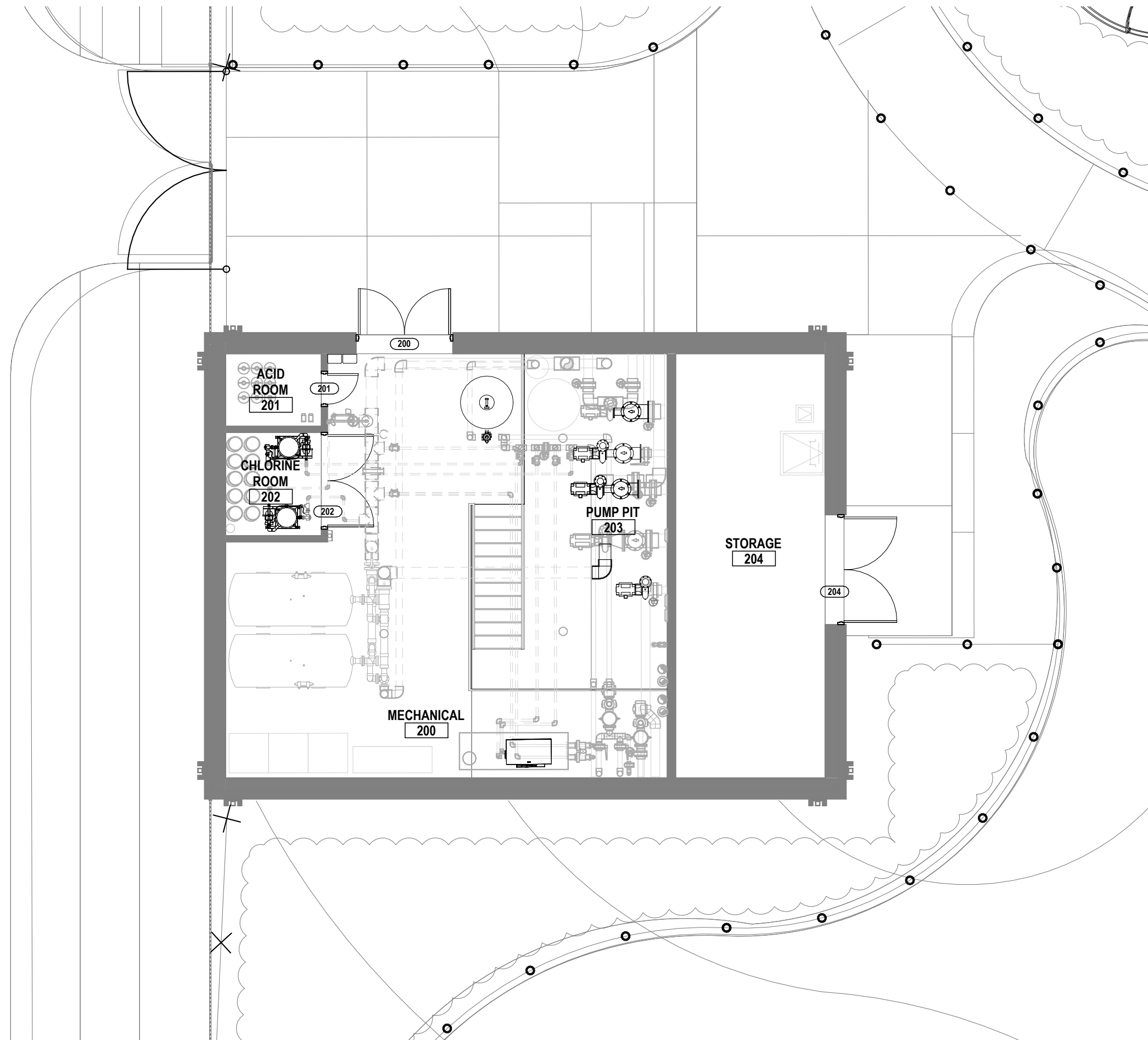
3 ENTRY ROOF PLAN

1/8" = 1'-0"



4 ENTRY ROOF

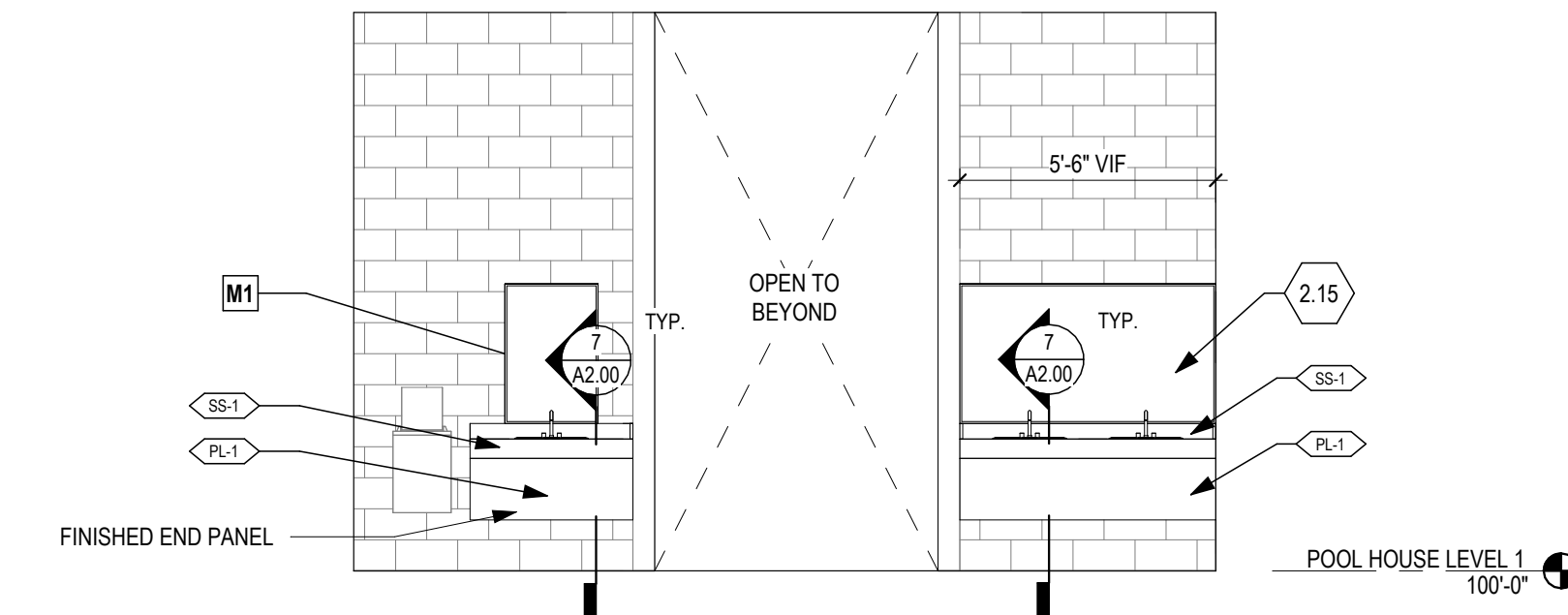
1/8" = 1'-0"



2 FIRST FLOOR CONSTRUCTION PLAN - MECH. BUILDING

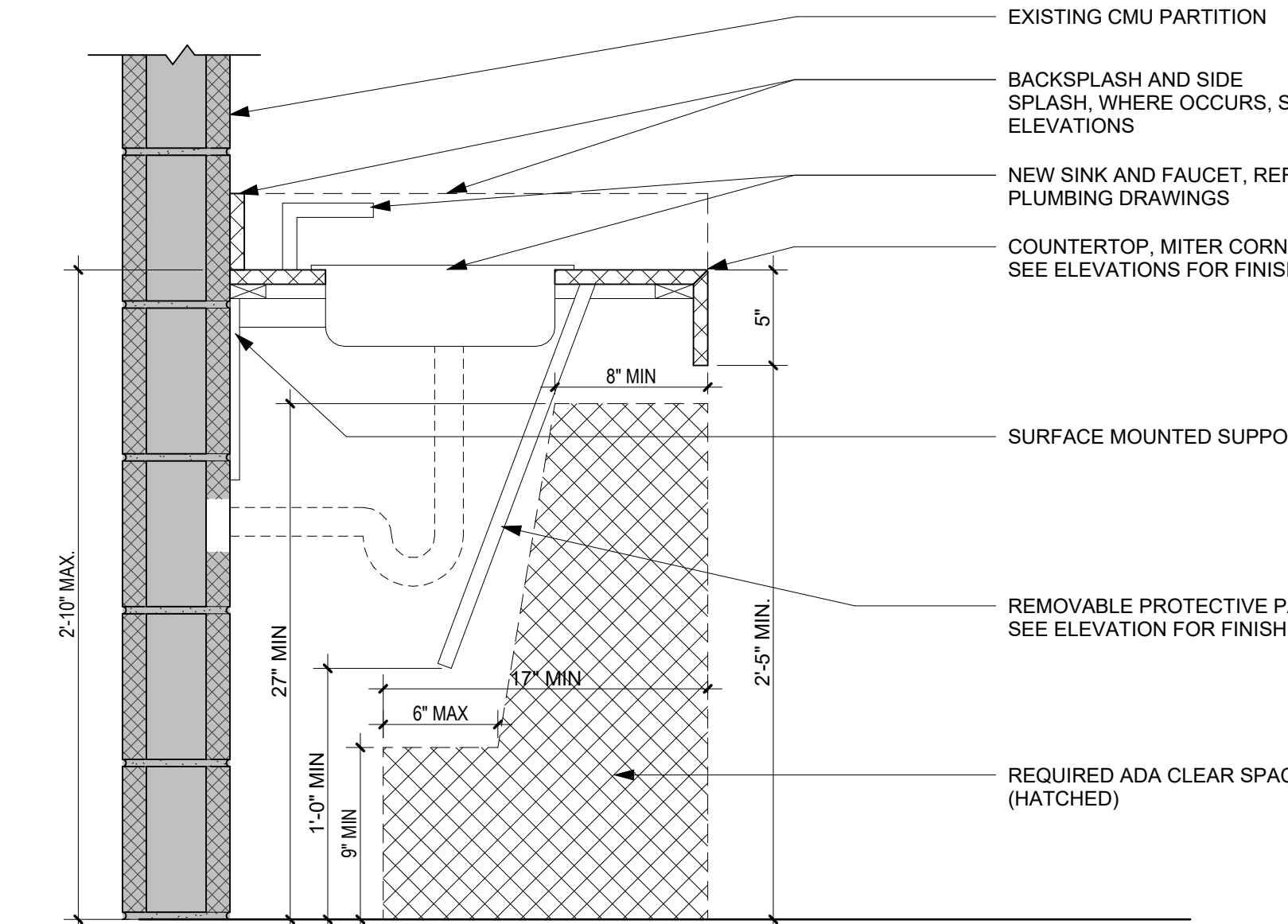
1/8" = 1'-0"

INTERIOR MATERIAL SCHEDULE					
FINISH CODE	FINISH DESCRIPTION	MANUFACTURER	PRODUCT / STYLE	COLOR / FINISH	SIZE
PAINT					
P-1	EXTERIOR PAINT	SHERWIN WILLIAMS	PRO INDUSTRIAL ACRYLIC	TBD, TO MATCH EXISTING EXTERIOR METAL	
SURFACE MATERIALS					
PL-1	PLASTIC LAMINATE	WILSONART	MATTE	SILVER MIST	
SS-1	SOLID SURFACE	CORIAN SOLID SURFACE	ARTISTA MIST		3 CM



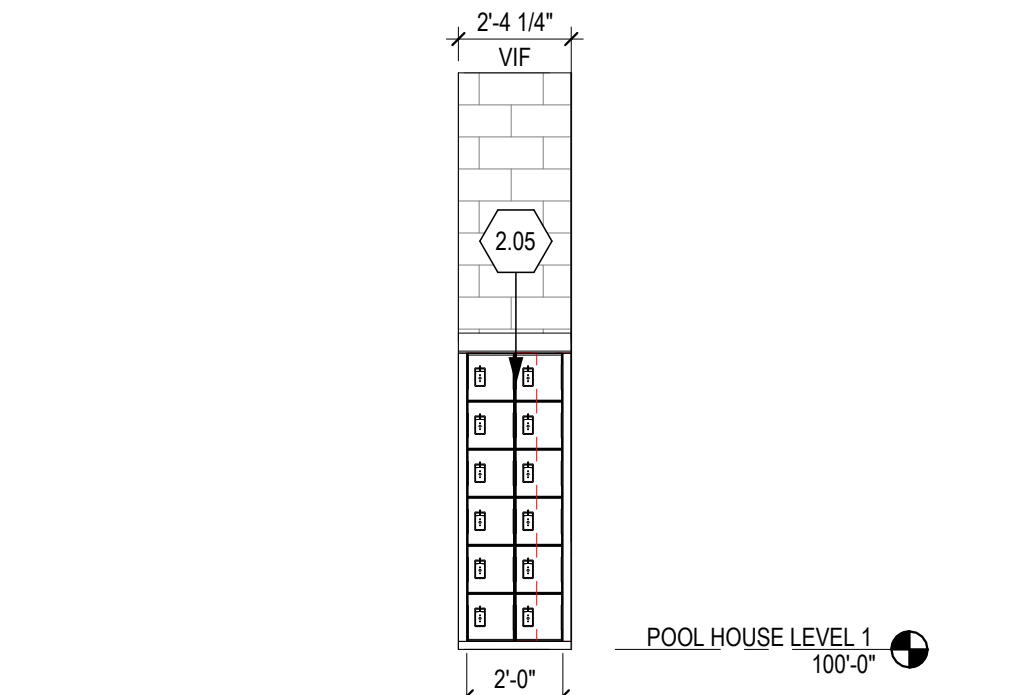
5 205 & 206 LOCKER ROOM SINK ELEVATION

1/4" = 1'-0"



7 LAVATORY MILLWORK SECTION

1 1/2" = 1'-0"



6 205 & 206 LOCKER ELEVATION

1/4" = 1'-0"

GENERAL CONSTRUCTION NOTES

- ALL DIMENSIONS THAT ARE +/- OR ± (PLUS OR MINUS) ARE TO BE DETERMINED EXACTLY BY FIELD MEASUREMENT.
- ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD BEFORE PROCEEDING WITH THE WORK. ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- ALL DIMENSIONS HAVE PREFERENCE OVER SCALE. DO NOT SCALE DRAWINGS.
- LARGE SCALE DETAILS GOVERN OVER SMALL SCALE DETAILS.
- IF CONTRACTOR SHOULD DISCOVER ANY UNFORSEEN PROBLEMS DURING THE REMOVAL OF ANY EXISTING CONSTRUCTION OR THE CONSTRUCTION OF ANY NEW WORK, THE ARCHITECT SHOULD BE NOTIFIED IMMEDIATELY AND THAT PARTICULAR WORK SHOULD BE DISCONTINUED UNTIL NECESSARY REVISIONS CAN BE DECIDED UPON.
- ALL DOORS IN METAL STUD PARTITIONS TO BE LOCATED WITH OUTSIDE EDGE OF THE FRAME 4" FROM PERPENDICULAR WALL. ALL MASONRY OPENINGS CREATED FOR NEW DOORS TO BE LOCATED 8" FROM PERPENDICULAR WALL. TYPICAL UNLESS NOTED OTHERWISE.
- ALL INTERIOR WALLS GO TO ROOF DECK, UNLESS NOTED OTHERWISE.
- WHEN INFILLING AN OPENING WITHIN A MASONRY WALL, TOOTH-IN MASONRY TO MATCH EXISTING COURSING, UNLESS NOTED OTHERWISE.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF SHEATHING AND/OR FACE OF INTERIOR MASONRY, UNLESS NOTED OTHERWISE.
- COORDINATE FINAL PARTITION LOCATIONS WITH FURRING AT STRUCTURAL ELEMENTS.
- COORDINATE INTERIOR CONCRETE SLAB ON GRADE CONTROL JOINT PATTERN AT ALL HARD-TILED SURFACE AREAS WITH ARCHITECT.
- ALL EXTERIOR DIMENSIONS ARE TO FACE OF FOUNDATION, FACE OF EXTERIOR SHEATHING, AND/OR FACE OF EXTERIOR MASONRY.

KEYNOTES - CONSTRUCTION

- NEW MILLWORK AND SINK.
- NEW 18" DEEP EXTERIOR GRADE PHENOLIC LOCKERS WITH SLOPED TOP. (42) TOTAL 1'x1' LOCKERS BASED ON EXISTING LOCKER COUNT. INFILL AT ENDS AS REQUIRED TO FILL EXISTING SPACE.
- NEW 18" DEEP EXTERIOR GRADE PHENOLIC LOCKERS WITH SLOPED TOP. (12) TOTAL 1'x1' LOCKERS BASED ON EXISTING LOCKER COUNT. INFILL AT ENDS AS REQUIRED TO FILL EXISTING SPACE.
- NEW 18" VERTICAL GRAB BAR, REF SHEET G0.20 FOR MOUNTING LOCATION. BASIS OF DESIGN: BOBRICK B-8006-18, 18".
- NEW PERIMETER FENCE AND GATES, REF DETAILS ON SHEET A5.00.
- NEW 3" x 4" DOWNSPOUT, TIE INTO GUTTER ON ADJACENT ROOF.
- NEW STANDING SEAM METAL ROOF.
- NEW CONCRETE SLAB ON GRADE, AS REQUIRED. MATCH EXISTING SLAB CONSTRUCTION AND SLOPE.
- PATCH AND REPAIR EXISTING ROOF AT ENTRY ROOF DEMOLITION. EXTEND EXISTING GUTTERS, FASCIA, AND METAL ROOFING AS REQUIRED.
- NEW SURFACE MOUNTED LIGHT FIXTURE, REF ELECTRICAL DRAWINGS.
- NEW MIRROR, 36" H x FULL WIDTH WITH STAINLESS STEEL CHANNEL FRAME.



ENTRY CANOPY OVERHANG SECTION

A3.50

EXISTING WALL CONSTRUCTION TO REMAIN

SEALANT AND BACKER ROD, TYP. EACH SIDE

FRP DOOR FRAME

DOOR AS PER SCHED.

EXISTING WALL CONSTRUCTION TO REMAIN

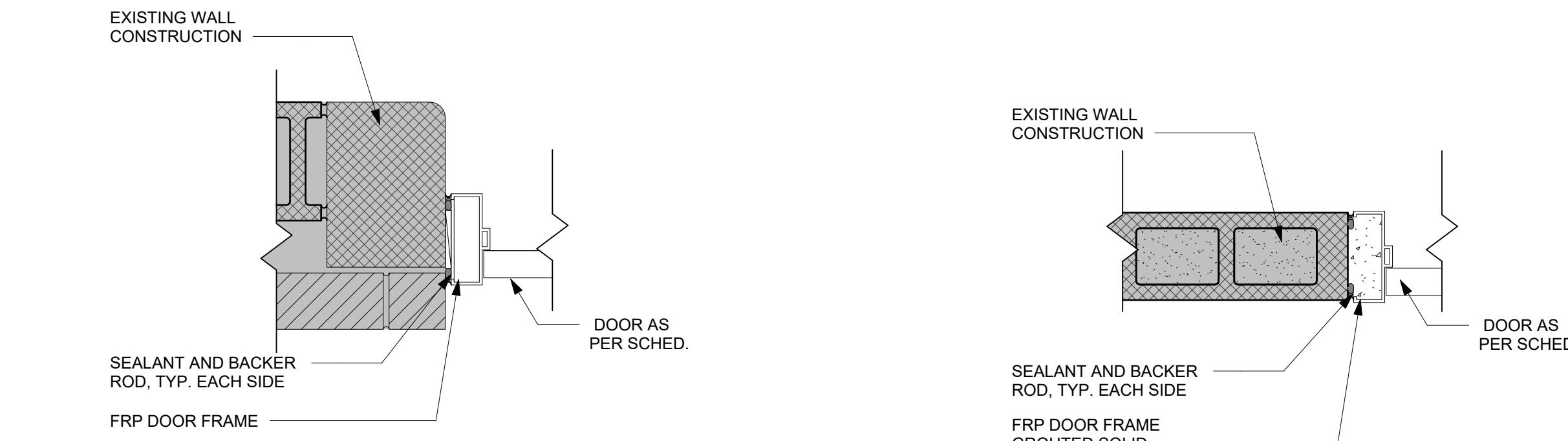
SHIM AS REQ.

SEALANT AND BACKER ROD, TYP. EACH SIDE

GROUTED S...

FIRE RATED FRAME

DOOR AS PER SCHED.



BASIS OF DESIGN: AEGIS II MAJESTIC 3 RAIL
FINISH: BRONZE (TO MATCH EXISTING)

8'-0" O.C. NOMINAL

1 3/4" FORERUNNER RAIL

POST 2 1/2" SQUARE x 12 GA

1" SQUARE PICKET

8'-0"

3'-0" MIN. FOOTING DEPTH

2" NOM.

3 3/4" TYP.

BASIS OF DESIGN: AEGIS II MAJESTIC 3 RAIL
FINISH: BRONZE (TO MATCH EXISTING)

2" HINGE CLEARANCE

SELF CLOSING HINGES

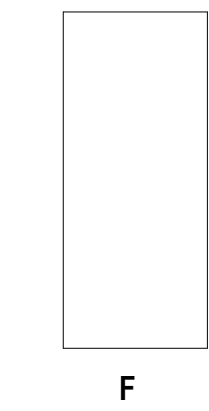
PROVIDE LATCH PROTECTION TO PREVENT TAMPERING FROM EXTERIOR SIDE

8'-0"

GATE UPRIGHT 2" x 11 GA.

WELD ON BOX HINGE

3'-0" MIN. FOOTING DEPTH



DOOR LEAF ABBREVIATIONS:
F - FLUSH

ADDITIONAL ABBREVIATIONS
 ALUM - ALUMINUM
 ANOD - ANODIZED
 GHM - GALVANIZED HOLLOW

HM - HOLLOW METAL
HPC - HIGH-PERFORMANCE COATING
SCW - SOLID CORE WOOD
HCW - HOLLOW CORE WOOD

WD - WOOD
PT - PAINT
ST - STAIN
SS - STAINLESS STEEL

DOOR LEAF ELEVATIONS



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[illegible]

PROJECT NO. 25306.00

DRAWING TITLE:
DOOR SCHEDULES &
BUILDING DETAILS

A6.00

a. INCLUDE AN ALLOWANCE IN THE BID TO PROVIDE AND ERECT ?? ADDITIONAL TONS(S) OF STRUCTURAL AND/OR MISCELLANEOUS STEEL (SHAPES, ANGLES, PLATES, ETC.). MATERIAL TO BE USED AND ITS APPLICATION SHALL BE DETERMINED BY THE ARCHITECT. CONNECTIONS, IF REQUIRED, SHALL BE FIELD-WELDED.

4. MISCELLANEOUS:
a. PROTECT ALL LUMBER FROM WEATHER PRIOR TO INSTALLATION.

S001

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[illegible]

DRAWING TITLE:
FOUNDATION AND
FRAMING PLAN

S101



1. SEE ARCHITECTURAL DRAWINGS FOR CONCRETE APPROACH SLAB REFERENCE ELEVATION 100'-0" SHALL BE SET AS THE HIGHEST ELEVATION ADJACENT TO A NEW CURB.
2. FOUNDATIONS SHALL BE FOUNDED ON VIRGIN SOIL OR ON ENGINEERED FILL AT THE ELEVATIONS SHOWN WITH AN ASSUMED DESIGN BEARING CAPACITY OF 1.5 KSF. BEARING CAPACITY TO BE VERIFIED PRIOR TO PLACING CONCRETE.
3. KEEP FOUNDATION EXCAVATIONS FREE OF WATER AT ALL TIMES. REPLACE SOFT OR WEAKENED SOIL WITH CLASS N CONCRETE.
4. ELEVATIONS SHOWN AT FOOTINGS ARE TOP OF FOOTING ELEVATION (T.O.F.).
5. ALL EXTERIOR FOOTINGS TO BEAR MIN. 3'-0" BELOW ADJACENT GRADE. ADJUST BOTTOM OF FOOTING AS REQUIRED.
6. ALL EXTERIOR T.O.F. = 97'-4". U.N.O.
7. TOP OF STEEL COLUMN ENCASEMENTS SHALL MATCH THE TOP OF ADJACENT GRADE.
8. FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS RELATED TO EXISTING BUILDING PRIOR TO START OF NEW CONSTRUCTION.
9. HALFTONE LINES AND SHADED FILL INDICATE ASSUMED EXISTING CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY, IF EXISTING CONDITIONS DIFFER FROM WHAT IS SHOWN.
10. SEE SHEET S510 FOR FOOTING AND STEEL COLUMN ENCASEMENT INFORMATION.
11. SEE SHEET S001 FOR STRUCTURAL NOTES AND LEGEND.

FOOTING SCHEDULE (1500 PSF SOIL)				
Mark	Size			Bottom Reinforcement
	Length	Width	Thickness	
F3	3' - 0"	3' - 0"	1' - 6"	4#5 E.W. T&B
F5	5' - 0"	5' - 0"	1' - 6"	6#5 E.W. T&B



- ROOF FRAMING NOTES**
1. DESIGN ROOF LIVE LOADS - SEE STRUCTURAL NOTES.
 2. ROOF CONSTRUCTION: 1-1/2-INCH - STEEL ROOF DECK w/ 5/8" PLYWOOD SHEATHING, U.N.O.
 3. TOP OF STEEL ELEVATION (T.O.STL.) = SEE PLAN
 4. ALL STRUCTURAL STEEL TO BE AESS LEVEL 2 & SHALL BE GALVANIZED & PAINTED
 5. ELEVATIONS SHOWN INDICATE THE FOLLOWING:
AT BEAMS: TOP OF BEAM EL. (U.N.O.)
WORKPOINTS AT SLOPING MEMBERS ARE AT CENTERLINES OF COLUMNS, OR SUPPORTING BEAMS AND AT INSIDE FACE OF WALLS, U.N.O.
 6. SEE SHEET 5001 FOR STRUCTURAL NOTES AND LEGEND.



S510

[illegible]

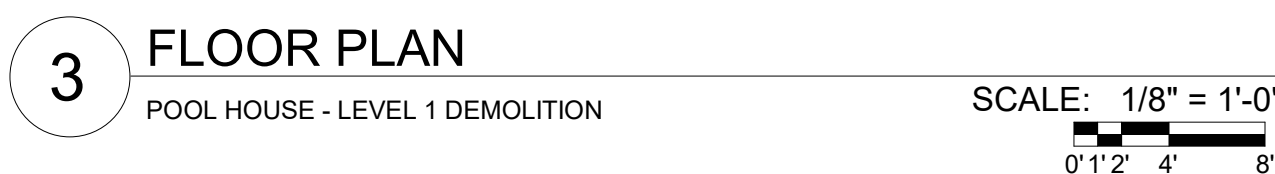
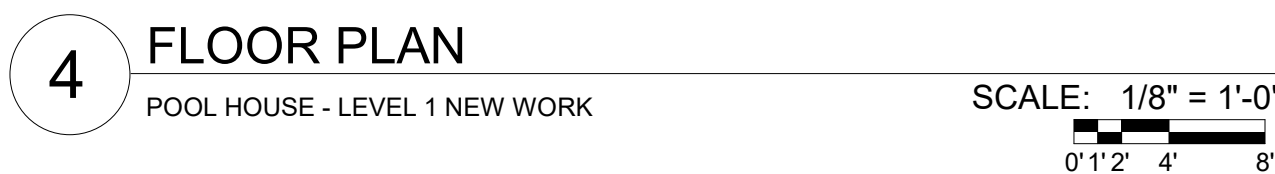
GENERAL NOTES – PLUMBING (APPLY TO ALL PLUMBING DRAWINGS)

1. THE SYSTEM DESIGN IS BASED ON THE LATEST EDITION OF THE OHIO PLUMBING CODE, INCLUDING ALL AMENDMENTS THROUGH THE DATE OF DRAINING ISSUE.
2. UNLESS NOTED OTHERWISE, SLOPE ALL SANITARY PIPING AT NO LESS THAN 1/8" PER FOOT. ALL SANITARY PIPING SMALLER THAN 3" SHALL BE SLOPED AT NO LESS THAN 1/4" PER FOOT.
3. REFER TO PIPING DIAGRAMS, DETAILS, AND STACKS FOR PIPING AND PIPE SIZES NOT SHOWN ON THE FLOOR PLAN. PIPE SIZES SERVING INDIVIDUAL FIXTURES ARE INDICATED ON THE PLUMBING FIXTURE SCHEDULE.
4. PROVIDE ISOLATION VALVES IN ALL SUPPLY BRANCHES SERVING MULTIPLE FIXTURES. PROVIDE ADDITIONAL ISOLATION VALVES AS SHOWN ON THE DRAWINGS. PROVIDE BALANCING VALVES ON ALL HOT WATER RETURN PIPE BRANCHES.
5. ALL CONNECTIONS TO GAS FIRED EQUIPMENT SHALL BE MADE WITH DIRECT BURIED AIR-GT OFF VALVE. PIPE ALL APPLIANCE REGULATOR VENTS TO THE BUILDING EXTERIOR PER NFPA.



PROJECT NO. 25306.00

DRAWING TITLE:
PLUMBING INDEX
SHEET



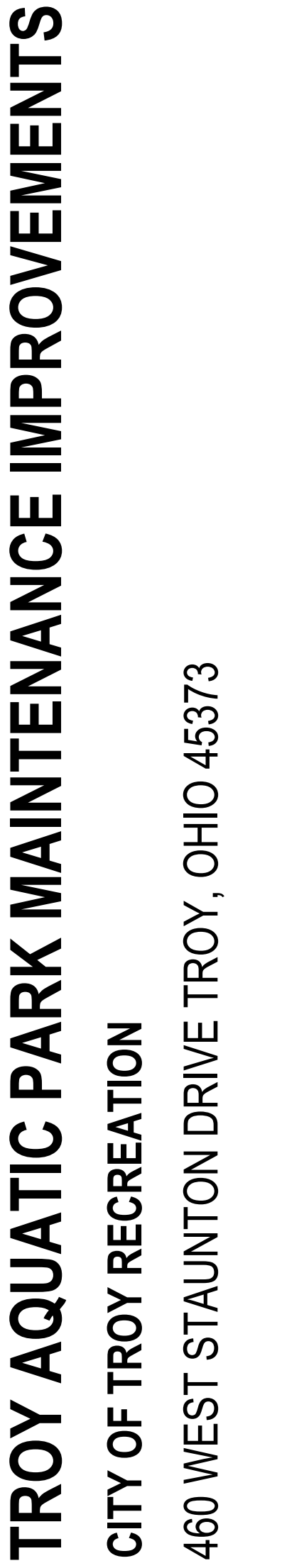
- **CODED NOTES:**
1. REMOVE EXISTING LAVATORY, FAUCET, SUPPLIES, SUPPLY STOPS, TRAP AND TAILPIECE BACK TO EXISTING ROUGH-IN TO REMAIN.
 2. INSTALL NEW LAVATORY, FAUCET, TRAP, AND SUPPLIES.

[illegible]

GENERAL NOTES – HVAC (APPLY TO ALL HVAC DRAWINGS)

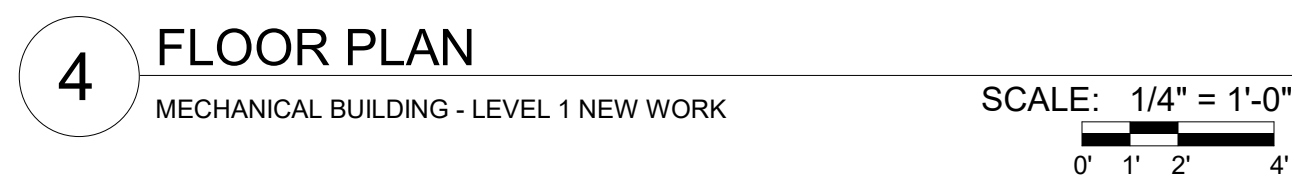
1. THE SYSTEM DESIGN IS BASED ON THE LATEST EDITION OF THE OHIO MECHANICAL CODE INCLUDING ALL AMENDMENTS THROUGH THE DATE OF DRAWING ISSUE.
2. THE EXISTING AND DEMOLITION DRAWINGS HAVE BEEN GENERATED FROM THE EXISTING AND DEMOLITION AND LIMITED FIELD INVESTIGATION. ALL EXISTING WORK MUST BE FIELD VERIFIED PRIOR TO BEGINNING CONSTRUCTION. FIELD VERIFY EXACT SIZES AND LOCATIONS OF ALL EXISTING EQUIPMENT, DUCTWORK AND PIPING BEFORE GENERATING CONSTRUCTION DRAWINGS.
3. PRIOR TO ANY DEMOLITION, VERIFY WHICH EQUIPMENT IS TO BE REMOVED AND TURNED OVER TO THE OWNER. ALL OTHER ITEMS MUST BE REMOVED AND DESTROYED. PROVIDE ADEQUATE PROTECT EXISTING EQUIPMENT THAT IS TO REMAIN IN SERVICE. ALL EXISTING DUCTWORK AND PIPING INSULATION THAT IS DAMAGED DUE TO THE DEMOLITION OR NEW WORK PROCESS SHALL BE REPLACED.
4. NOTE THAT ALL EXISTING SYSTEMS SERVE AREAS OUTSIDE OF THE RENOVATION AND MUST REMAIN IN OPERATION THROUGHOUT THE RENOVATION. ALL EXISTING SYSTEMS SHALL BE IDENTIFIED BY REPRESENTATIVE CAP AND SEAL ALL REMAINING DUCTWORK AND PIPING IMMEDIATELY AFTER DEMOLITION OF PORTIONS OF SYSTEM.
5. CLOSE ALL OPENINGS IN WALLS, CEILINGS AND FLOORS, WHETHER THROUGH PENETRATIONS, ROOF PENETRATIONS, VENTILATION, MOVING DUCTWORK, PIPING, OR OTHER MECHANICAL ELEMENTS. MATCH ADJACENT SURFACE CONDITIONS.
6. ALL NEW WORK SHALL BE SUPPORTED BY NEW HANGERS AND SHALL BE IDENTIFIED BY INDICATING HANGERS. THE USE OF EXISTING HANGERS FOR NEW WORK IS PROHIBITED.

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[illegible]

KORDA
KORDA NEMETH ENGINEERING
WWW.KORDA.COM
DRAWN BY: Jesse Whitehead
DESIGNED BY: Megan Mayotte
CHECKED BY: Marie Ruth
PROJECT NUMBER: 2026-0204

H001



- # H201

PROJECT NO. 25306.00

E000

SYMBOL		DESCRIPTION	MOUNTING HEIGHT UNLESS NOTED OTHERWISE
		LUMINAIRE: TYPE "R1"; SEE LUMINAIRE SCHEDULE	----
		CEILING OR WALL MOUNTED LUMINAIRE TYPE "R2", "W2"; SEE LUMINAIRE SCHEDULE	SEE DRAWINGS
		FLOOD LUMINAIRE	----

<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>HEIGHT UNLESS NOTED OTHERWISE</u>
	SIMPLEX RECEPTACLE: DUPLEX RECEPTACLE: QUADRUPLUX (DOUBLE DUPLEX) RECEPTACLE	18"
	DUPLEX RECEPTACLE: QUADRUPLUX RECEPTACLE GROUND FAULT INTERRUPTER	46"
	WEATHERPROOF GFCI DEVICE WITH WEATHERPROOF IN-USE COVER	24"
	JUNCTION BOX, CEILING OR WALL MOUNTED	SEE DRAWINGS
	MOTOR (BY DIVISION 1-25)	----
	MANUAL MOTOR STARTER	46"
	TOGGLE DISCONNECT SWITCH	46"
	SAFETY SWITCH (SWITCH SIZE, FUSE SIZE, NO. OF POLES -AS NOTED) "3R" DENOTES NEMA "3R" ENCLOSURE, "NF" DENOTES NONFUSED	60"
	MAGNETIC MOTOR STARTER (STARTER SIZE NO. OF POLES -AS NOTED) "3R" DENOTES NEMA "3R" ENCLOSURE, "NF" DENOTES NONFUSED	60"
	PUSHBUTTON STATION	46"
	CONTROL PANEL	SEE DRAWINGS
	VARIABLE FREQUENCY DRIVE	SEE DRAWINGS
	PANEL BOARD: SURFACE MOUNTED, FLUSH MOUNTED	72"
	PANEL DESIGNATION AS SHOWN	
	DISTRIBUTION PANEL BOARD	----
	CONDUIT, RISER UP	----
	CONDUIT, RISER DOWN	----
	CONDUIT ROUTED UNDER FLOORSPACE OR UNDERGROUND	----
	HOME RUN BRANCH CIRCUIT (OVERHEAD)	----
	HOME RUN BRANCH CIRCUIT (UNDERFLOOR)	----
	FLEXIBLE CONDUIT OR CABLE	----

1. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER CONSTRUCTION TRADES FOR ADDITIONAL ELECTRICAL WORK INCLUDED IN THIS CONTRACT.
2. COORDINATE EXACT LOCATIONS OF EQUIPMENT WITH OTHER CONSTRUCTION TRADES. VERIFY EXACT WIRING AND CONNECTION REQUIREMENTS WITH SUBMITTAL DOCUMENTS BEFORE INSTALLATION. SPECIALLY OUTLET TYPES SHALL BE VERIFIED BEFORE ORDERING. ALL ELECTRICAL WORK SHOWN HERE MUST BE VERIFIED AND COORDINATED IN FIELD BEFORE INSTALLATION.
3. REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET MOUNTING HEIGHTS.
4. EXACT LOCATIONS OF FLOOR RECESSED OUTLETS, FLOORBOARDS, AND POKE-THRU'S, SHALL BE COORDINATED WITH FURNITURE AND EQUIPMENT PLANS. OBTAIN LATEST PLANS FROM OWNERS REPRESENTATIVE.
5. ALL CONDUITS IN AREAS WITHOUT SUSPENDED CEILINGS SHALL BE RUN INCONSPICUOUSLY AS POSSIBLE. HIDDEN BEHIND BASES, BEAMS, CLOSE TO DECK, ETC. OBTAIN APPROVAL OF CONDUIT RUNS BELOW BEAMS WITH OWNER'S REPRESENTATIVE.
6. ALL DEVICES SHOWN ON THE EXTERIOR OF THE BUILDING SHALL BE WEATHERPROOF TYPE. ALL WEATHERPROOF RECEPTACLES HAVE WHILE-IN-USE COVERS UNLESS NOTED OTHERWISE.
7. REFER TO ARCHITECTURAL DOOR SCHEDULES, AND DOOR HARDWARE SPECIFICATION FOR ELECTRICAL DEVICES INSTALLED AT DOORS.
8. PROVIDE ALL FINAL POWER CONNECTIONS TO EQUIPMENT. PROVIDE ALL CONDUIT, DEVICE BOXES, AND CONTROL WIRING TO EQUIPMENT UNLESS NOTED OTHERWISE.
9. RACEWAY SHALL RUN AS INCONSPICUOUSLY AS POSSIBLE. VERTICAL RUNS SHALL OCCUR IN CORNERS OF ROOMS. HORIZONTAL RUNS SHALL OCCUR ALONG BASEBOARD OF WALL WITH VERTICAL RUNS UP TO DEVICE BOXES BRANCHING OUT OF CORNER BOXES, TEES, ELBOWS, ETC.
10. REFER TO ARCHITECTURAL PLANS FOR WALL CONSTRUCTION.
11. CIRCUIT NUMBER INDICATED WITH "GF" IS A CIRCUIT PROTECTED BY GROUND FAULT INTERRUPTING CIRCUIT BREAKER.
12. PROVIDE HOSPITAL GRADE DEVICES IN ANY "PATIENT CARE" SPACE. MC CABLE IS NOT PERMITTED.
13. PROVIDE "TAMPER RESISTANT" DEVICES IN ANY PATE K-8 SCHOOL BUILDING, ANY BUSINESS OFFICE SPACE, OR ANY WAITING AREA.
14. GFCI DEVICES SHALL BE LOCATED SO THEY ARE CONSIDERED "ACCESSIBLE". PROVIDE GFCI TYPE CIRCUIT BREAKERS OTHERWISE.

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF LUMINAIRES. COORDINATE WITH OTHER TRADES AND CONTRACTORS. IN ALL CASES, PROVIDE A MINIMUM OF TWO CONCRETE SUFFICIENT SPACE ABOVE CEILINGS FOR RECESSED LIGHTING FIXTURES.
2. REFER TO ARCHITECTURAL ELEVATIONS, CASEWORK, AND DETAILS, ELECTRICAL DETAILS, AND LUMINAIRE SCHEDULE FOR LUMINAIRE MOUNTING HEIGHTS AND LOCATION. INSTANTANEOUS INFORMATION.
3. LOCATIONS OF LUMINAIRES FOR ROOMS WITH MECHANICAL EQUIPMENT SHALL BE COORDINATED IN FIELD WITH INSTALLED EQUIPMENT. FIXTURES TO BE LOCATED OVER ACCESS PATHWAYS AROUND EQUIPMENT AND NOT OVER EQUIPMENT. PROVIDE MOUNTING HARDWARE. DO NOT SUSPEND FIXTURES FROM PIPING OR DUCTWORK. PROVIDE APPROPRIATE MOUNTING HARDWARE AS REQUIRED TO SUPPORT FIXTURES.
4. SOME SWITCHED LIGHTING CIRCUITING NOT SHOWN FOR CLARITY. ALL FIXTURES WITHIN A SPACE ARE TO BE CONTROLLED FROM SWITCHES/OCCUPANCY/VACANCY SENSORS SHOWN IN THIS DIAGRAM UNLESS NOTED OTHERWISE.
5. OCCUPANCY/VACANCY SENSOR POWER PACKS ARE NOT SHOWN FOR CLARITY. REFER TO THE POWER AND GROUNDING SENSING WIRING DIAGRAM. POWER PACKS TO BE LOCATED WITHIN EACH ROOM ABOVE CEILING ADJACENT TO ENTRY. PROVIDE CONDUIT AND WIRING FROM POWER PACK TO SENSOR UNIT.
6. INSTALL DRIVER FOR LUMINAIRES PROVIDED WITH REMOTE DRIVERS. IN NEAREST MECHANICAL ROOM WITH SUFFICIENT WALL SPACE. PROVIDE DRIVER WIRING SIZED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION FOR ROOM LOAD.
7. PROVIDE STEEL BRIDGING BETWEEN PURLINS/JOISTS/BEAMS AS NECESSARY TO SUPPORT THE WEIGHT OF SUSPENDED LUMINAIRES.

1. TURN OVER ANY SALVAGEABLE EQUIPMENT.
2. COORDINATE EXACT EXTENT OF DEMOLITION WITH ARCHITECTURAL DEMOLITION DRAWINGS.
3. COORDINATE PHASING OF DEMOLITION AND CONSTRUCTION PER DRAWINGS.
4. REMOVE ALL LIGHTING FIXTURES, DEVICES, OUTLETS, CONDUIT, CABLING, PANELS, AND EQUIPMENT WITHIN AREAS OF DEMOLITION. REMOVE WIRING AND CONDUIT BACK TO SOURCE OR LAST POINT OF CONNECTION TO REMAINING SYSTEM.
5. EXISTING EQUIPMENT OUTSIDE OF SCOPE OF WORK BOUNDARIES SHALL BE MAINTAINED. RECONNECT ANY CIRCUITS CUT PASSING THROUGH DEMOLITION AREAS.
6. REMOVE ALL UNUSED WIRING AND CABLES BACK TO THEIR SOURCE. REMOVE ALL UNUSED CONDUIT THAT IS EXPOSED OR ABOVE CEILING OR ON CEILINGS WHICH IS AFFECTED BY OR IS IN THE AREA OF THE DEMOLITION WORK.
7. THE INTENTION OF THE ELECTRICAL DEMOLITION DRAWINGS IS TO DISCONNECT AND REMOVE ALL ELECTRICAL WORK MADE VOID BY THE SCOPE OF THE CONSTRUCTION AND ALTERATION. FIELD VERIFY EXIST MATERIAL QUANTITIES REQUIRED TO BE REMOVED.
8. WHERE BURIED CONDUITS EXTENDING OUT OF A CONCRETE SLAB BECOME ABANDONED, REMOVE CONDUITS OUT OF FLUSH TOP OF SLAB AND PLUG WITH NON-SHRINK WATERPROOF GROUT FILL.
9. COORDINATE ALL DEMOLITION WORK WITH ALL OTHER TRADES.
10. LEGALLY DISPOSE OF HAZARDOUS MATERIALS AND BALLAST OR OTHER EQUIPMENT CONTAINING PCBs AND LAMPS CONTAINING MERCURY. COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS.

1. BRANCH CIRCUIT CONDUIT ROUTING IS NOT SHOWN ON THE PLANS AND LEFT TO THE DISCRETION OF THE CONTRACTOR. BRANCH CIRCUIT WIRE SIZE SHALL BE AS FOLLOWS BASED ON CONDUIT ROUTE LENGTHS. BEFORE WIRING INSTALLATION, VERIFY THAT THE FURTHEST DISTANCE FROM A PANELBOARD TO OUTLET DOES NOT EXCEED THE FOLLOWING DISTANCE FOR WIRE SIZE SHOWN. INCREASE WIRE SIZE APPROPRIATELY FOR FARTHER DISTANCES.

CONDUCTOR SIZE	MAXIMUM LENGTH
#12 AWG	100 FEET
#10 AWG	150 FEET
#8 AWG	250 FEET
#6 AWG	400 FEET

ABBREVIATIONS USED ON DRAWINGS IN GENERAL ARE LISTED BELOW. REFER TO CSI DOCUMENT TD-2-4 FOR ANY ABBREVIATIONS LISTED ON THE DRAWINGS BUT ARE NOT LISTED BELOW.

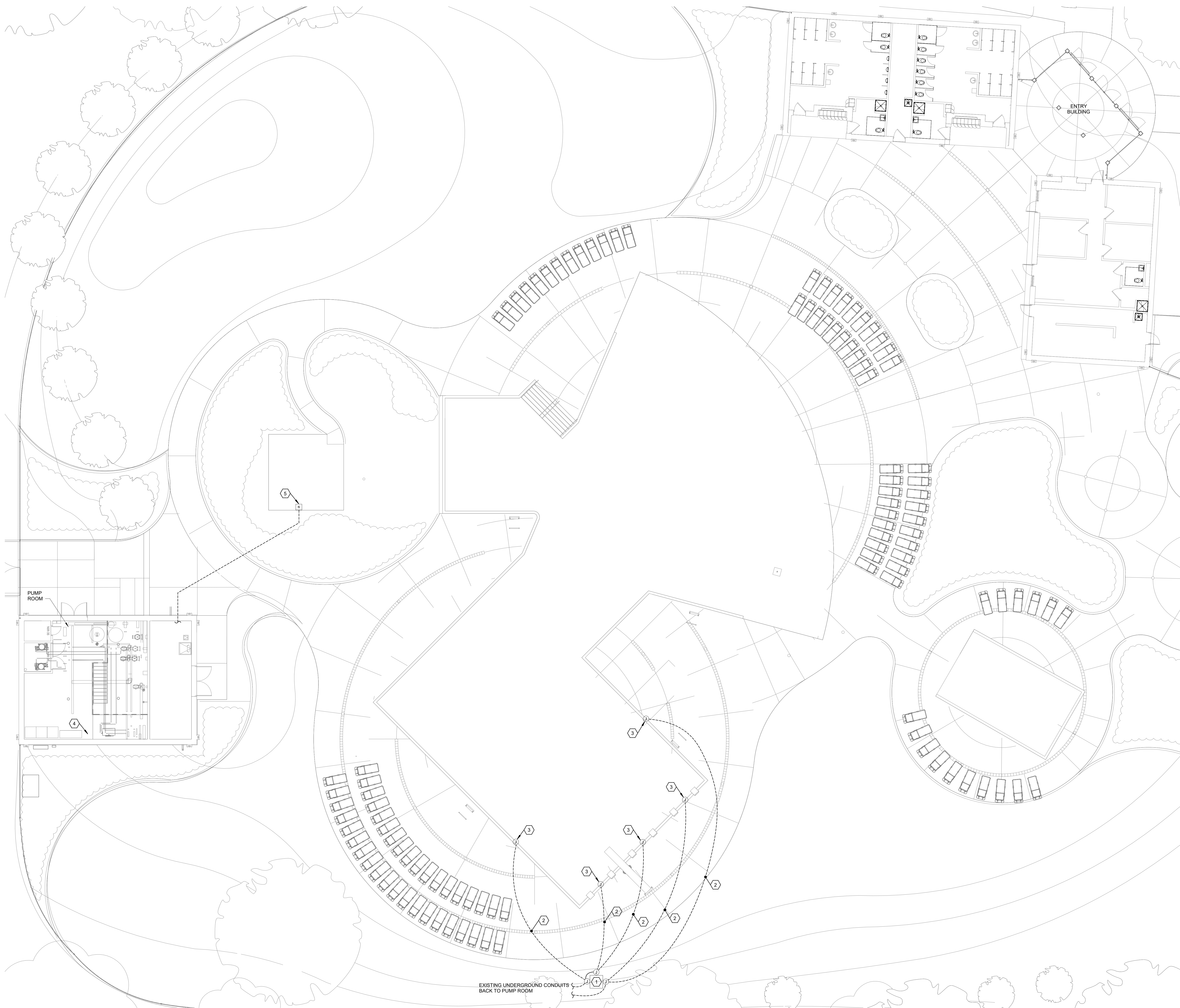
AC	AMPS
ACR	AIR COMPRESSOR
AFI	ARC FLASH CIRCUIT INTERRUPTER DEVICE
AFB	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AHU	AIR HANDLER UNIT
BRKR	BREAKER
C	CONDUIT
CATV	CABLE ANTENNA TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CUH	CABINET UNIT HEATER
CRT	CIRCUIT
CPT	CONTROL POWER TRANSFORMER
CU	COPPER
DL	DISTRIBUTION
DP	DAYLIGHT HARVESTING
EF	EXHAUST FAN
ELEC	ELECTRICAL
EM	EMERGENCY
EMT	ELECTRICAL METALIC TUBING
EMP	EMERGENCY POWER OFF
EVSE	ELECTRIC VEHICLE SERVICE EQUIPMENT (CHARGER)
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXP	EXPLOSION PROOF TYPE DEVICE.
F	FUSE
FIRE ALAA	FIRE ALARM ANNUNCIATOR.
FACP	FIRE ALARM CONTROL PANEL
FAP	FIRE ALARM PANEL
FARM	FIRE ALARM REMOTE ANNUNCIATOR
FC	FAN COIL UNIT
FIXT	LIGHT FIXTURE
FLUOR	FLUORESCENT
FLR	FLOOR
FUS	FUSIBLE SWITCH
G	GROUND
GRF	GALVANIZED RIGID CONDUIT
GRG	GROUND FAULT INTERRUPTER DEVICE
HID	HIGH INTENSITY DISCHARGE
HVAC	HEATING, VENTILATION, AIR CONDITIONING
HP	HORSEPOWER
INFO	INFORMATION TECHNOLOGY
J	JUNCTION BOX
KEC	KITCHEN EQUIPMENT CONTRACTOR
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATTS
LC	LOADING CONTACTOR
LTG	LIGHTING
LV	LOW VOLTAGE
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MSB	MAIN SWITCHBOARD
MTD	MOUNTED
+N	INDICATES MOUNTING HEIGHT (N) TO CENTER OF DEVICE FROM FINISH FLOOR UNLESS OTHERWISE NOTED
NC	NOT IN CONTRACT
NIC	NIGHTLIGHT
NTS	NOT TO SCALE
OC OR OC	ON CENTER
OH	OVERHEAD
P	POLE (PHASE)
PVC	POLYVINYL CHLORIDE
PE	PNEUMATIC/ ELECTRIC
PNL	PANEL
Ø R P	PHASE
RAF	RETURN AIR FAN
RTU	ROOFTOP UNIT
SH	SHUNT TRIP
SW	SWITCH
TEMP	TEMPERATURE CONTROL, PANEL
TR	TRANSFORMER
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
VERIF	VERIFY IN FIELD
VOL	VOLUME CONTROL
W	WATTS
WP	WEATHER-PROOF TYPE DEVICE.
1	MEANS DETAIL NO. 1, DRAWING SHEET "E1"

1. SOME SYMBOLS MAY NOT BE USED.
2. MOUNTING HEIGHTS ARE TO CENTER OF DEVICE UNLESS NOTED OTHERWISE
3. STRAIGHT LINES BETWEEN DEVICES INDICATE CONTROLLED CIRCUIT.
4. DASHED SYMBOLS INDICATE EXISTING DEVICES TO BE REMOVED.
5. SOLID SYMBOLS WITH LIGHT LINEWEIGHT INDICATE EXISTING DEVICES TO REMAIN.
6. DASHED SYMBOLS WITH SUBSCRIPT "RL" INDICATE EXISTING DEVICES TO BE RELOCATED.
7. SOLID SYMBOLS WITH SUBSCRIPT "RD" INDICATE RELOCATED DEVICES.

DEVICE SUFFIXES	
AC	ABOVE COUNTER
C	CEILING MOUNTED OUTLET
F	FLOOR MOUNTED OUTLET
S	SURFACE RACEWAY OUTLET
M	MODULAR FURNITURE OUTLET
W	WALL MOUNTED
WG	WIRE GUARD
WP	WEATHER PROOF

SHEET NUMBER	SHEET NAME
E000	ELECTRICAL SYMBOLS AND LEGENDS
E001	ELECTRICAL SITE PLAN
E101	ELECTRICAL DEMOLITION PLAN - ENTRY AREA
E102	ELECTRICAL DEMOLITION PLAN - PUMP ROOM
E101	ELECTRICAL NEW WORK PLAN - ENTRY AREA
E102	ELECTRICAL NEW WORK PLAN - PUMP ROOM
E501	ELECTRICAL SCHEDULES
E601	ONE-LINE DIAGRAM - EXISTING
E602	ONE-LINE DIAGRAM - DEMOLITION
E603	ONE-LINE DIAGRAM - NEW WORK
E604	ONE-LINE SCHEDULES
E701	ELECTRICAL DETAILS
E702	ELECTRICAL DETAILS

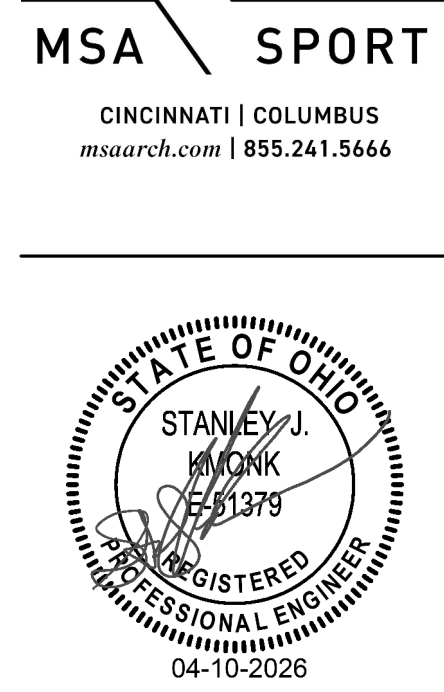
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1 FLOOR PLAN
SITE PLAN

SCALE: 1" = 10'-0"

- GENERAL NOTES:**
1. ELECTRICAL CONTRACTOR TO VERIFY ALL UNDERWATER LIGHTING CONDUCTORS/CONDUITS ARE IN GOOD WORKING CONDITION AND VERIFY WATERTIGHT CONNECTION TO POOL LIGHT NICHE. ONCE VERIFIED, CONNECT NEW UNDERWATER LIGHTS TO EXISTING CIRCUIT. ELECTRICAL CONTRACTOR SHALL INCLUDE IN THEIR BID THE REPLACEMENT OF ALL CONDUCTORS, CONDUIT, JUNCTION BOXES, AND GFCI CIRCUIT BREAKERS ASSOCIATED WITH UNDERWATER LIGHTING. COORDINATE REPLACEMENT OF UNDERWATER LIGHTING WITH POOL DRAWINGS AND ADHERE TO ANY APPLICABLE REQUIREMENTS LISTED IN NEC 980.
- CODED NOTES:**
- EXISTING CONCRETE PEDESTAL FOR UNDERWATER LIGHTING JUNCTION BOXES.
- EXISTING UNDERGROUND CONDUIT TO UNDERWATER LIGHT.
- EXISTING UNDERWATER LIGHT NICHES.
- APPROXIMATE LOCATION OF SWITCHES FOR UNDERWATER LIGHTING. SWITCHES LOCATED IN PUMP ROOM. SEE SHEET E-202.
- EXISTING BODY SLIDE EMERGENCY POWER OFF BUTTON.



TROY AQUATIC PARK MAINTENANCE IMPROVEMENTS
CITY OF TROY RECREATION
460 WEST STAUNTON DRIVE TROY, OHIO 45373

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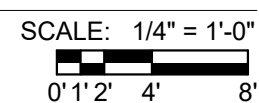
PROJECT NO. 25306.00

DRAWING TITLE:
ELECTRICAL SITE
PLAN

KORDA	
KORDA / NEMETH ENGINEERING	
WWW.KORDA.COM	
DRAWN BY:	Garrett Strauss
DESIGNED BY:	Heath Jeffries
CHECKED BY:	Stan Kmonk
PROJECT NUMBER:	2026-0204

E001

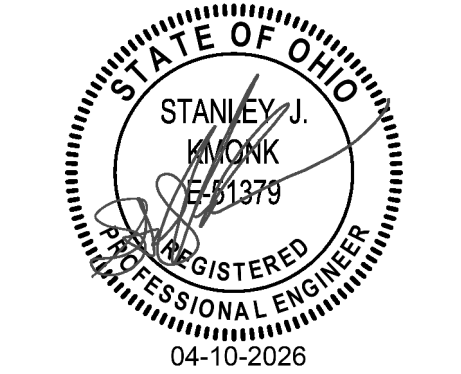
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SCALE: $1/4" = 1'-0"$

- | CODED NOTES: | |
|--------------|---|
| 1. | APPROXIMATE LOCATION OF CONDUIT TO EXISTING CANOPY. DEMOLISH ALL CONDUIT, LIGHTING AND CONDUCTORS ASSOCIATED WITH EXISTING CANOPY BACK TO THIS POINT AT THE EXTERIOR WALL OF THE BAYOUSE. CONDUIT AND CONDUCTORS TO BE RE-USED AND EXTENDED FOR NEW CANOPY LIGHTING. SEE SHEET E-201. |
| 2. | APPROXIMATE LOCATION OF EXISTING CANOPY LIGHTING TIME CLOCK. |
| 3. | EXISTING LIGHT FIXTURE TO REMAIN AND BE RELAPSED. SEEHEET E201. |

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PROJECT NO. 25306.00

DRAWING TITLE:
ELECTRICAL
DEMOLITION PLAN -
ENTRY AREA

E101

KORDA	
KORDA / NEMETH ENGINEERING	
WWW.KORDA.COM	
DRAWN BY:	Garrett Strauss
DESIGNED BY:	Heath Jeffries
CHECKED BY:	Stan Kmonk
PROJECT NUMBER:	2026-0204

TROY AQUATIC PARK MAINTENANCE IMPROVEMENTS

CITY OF TROY RECREATION

460 WEST STAUNTON DRIVE TROY, OHIO 45373

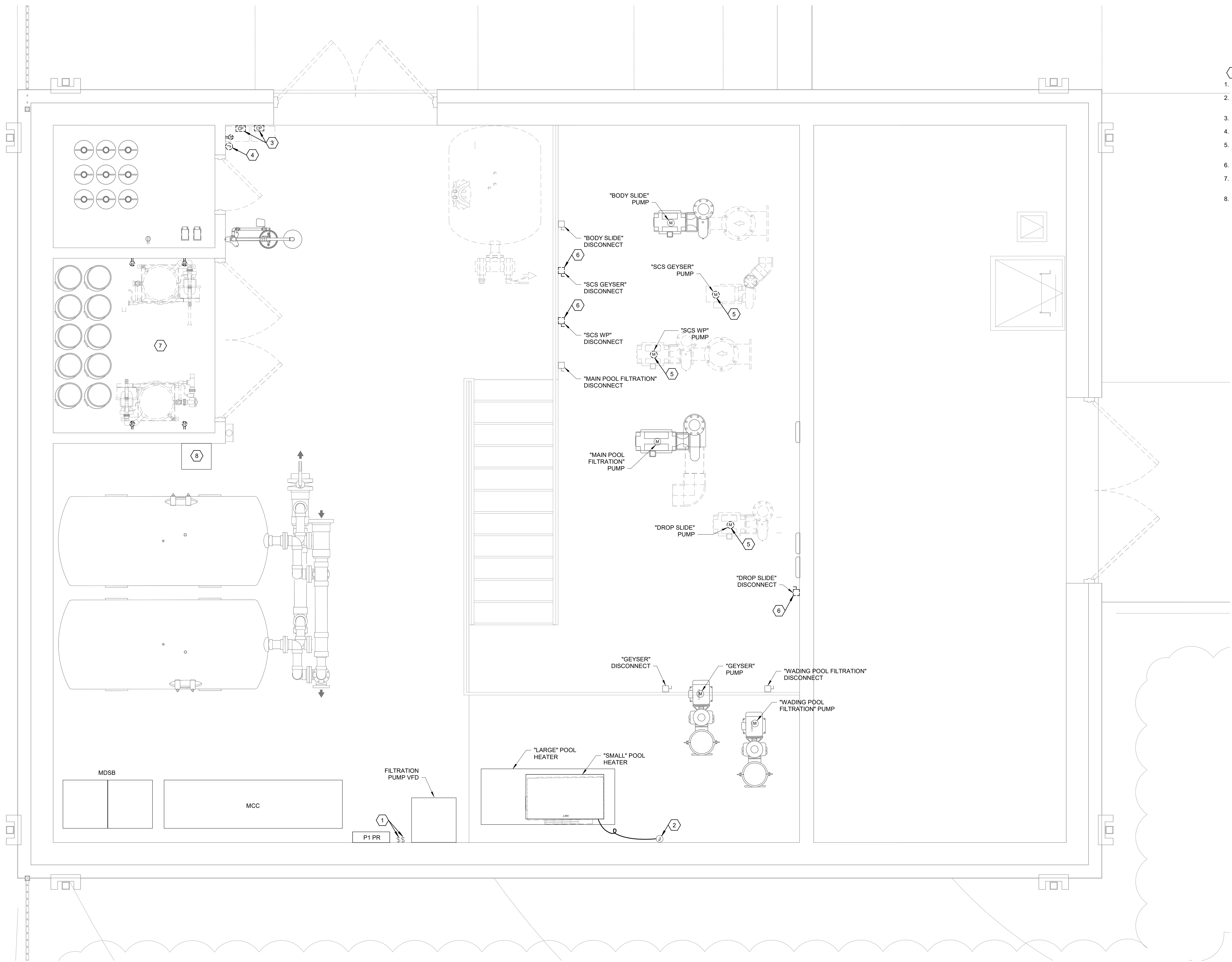
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PROJECT NO. 25306.00

DRAWING TITLE:
ELECTRICAL
DEMOLITION PLAN -
PUMP ROOM

E102



1 FLOOR PLAN

DEMOLITION - PUMP ROOM

SCALE: $1/2" = 1'-0"$



0' 1' 2' 4' 8'



SCALE: $\frac{3}{16}" = 1'-0"$

- | NO. | CODED NOTES: |
|-----|--|
| 1. | RECONNECT NEW CANOPY LIGHTING TO EXISTING LIGHTING CIRCUIT. ROUTE CONDUIT TIGHT TO STRUCTURE. LIGHTING TO BE CONTROLLED BY EXISTING TIMECLOCK AS PREVIOUSLY CIRCUITED. |
| 2. | MECHANICAL ROOM. |
| 3. | EXISTING WALL MOUNTED FIXTURE TO BE RELAMPED. PROVIDE AND INSTALL 2-26W DOUBLE TWIN TUBE COMPACT FLOURESCENT BULBS. BULB COLOR TEMPERATURE TO BE 4000K. |
| 4. | EXISTING SUSPENDED FIXTURE TO BE RELAMPED. PROVIDE AND INSTALL 4000K, 100W COATED METAL HALIDE BULD (M100/C/U). |
| 5. | EXISTING CONDUIT FROM MECHANICAL ROOM. |
| 6. | PULL NEW CIRCUIT THROUGH EXISTING BACK TO PANEL P18H. DO NOT CIRCUIT THROUGH TIME CLOCK OR ANY OTHER CONTROLS. |

TROY AQUATIC PARK MAINTENANCE IMPROVEMENTS
CITY OF TROY RECREATION
460 WEST STAUNTON DRIVE TROY, OHIO 45373

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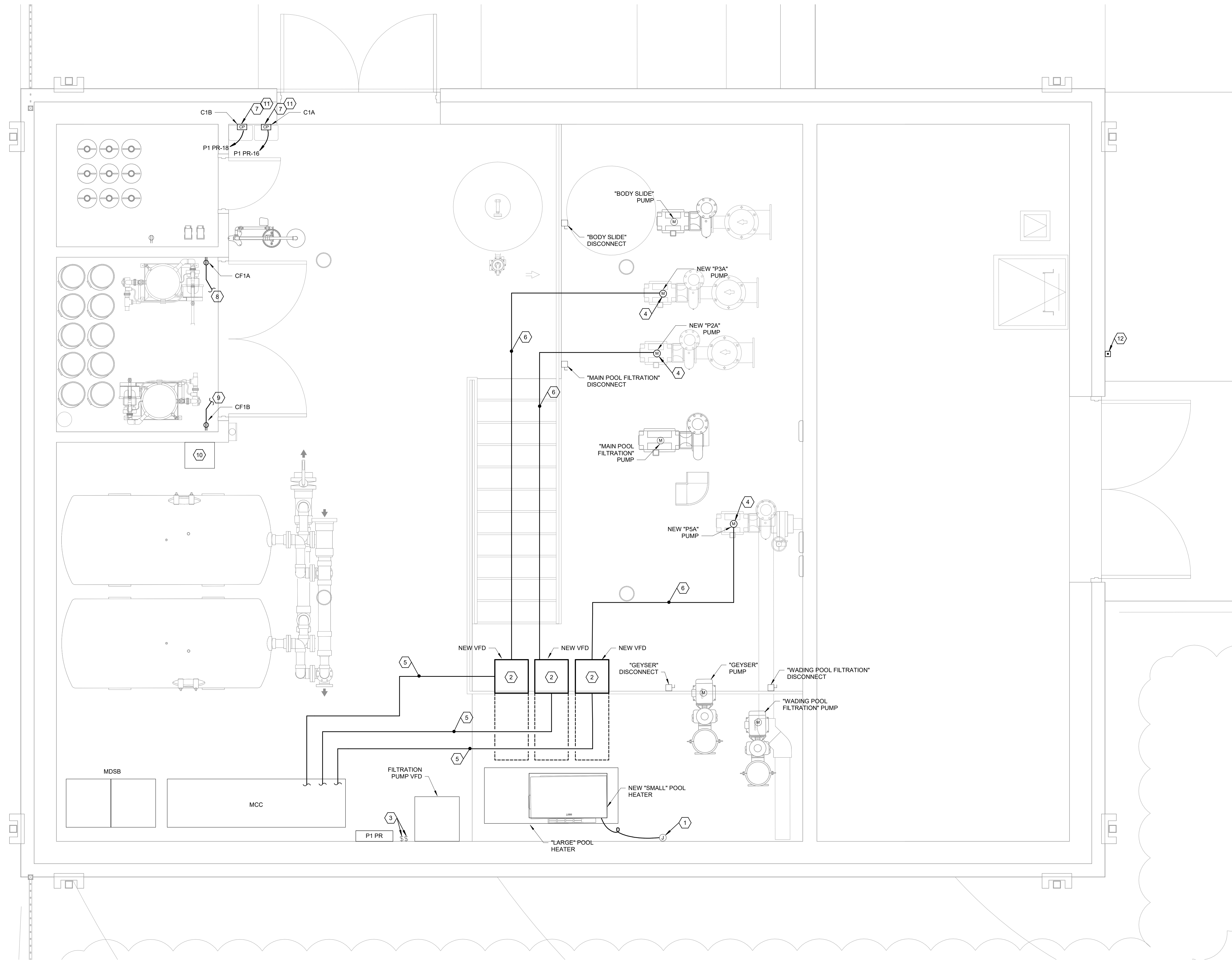
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PROJECT NO. 25306.00

DRAWING TITLE:
ELECTRICAL NEW
WORK PLAN -
ENTRY AREA

E201

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NEW WORK - PUMP ROOM

SCALE: $1/2" = 1'-0"$

- GENERAL NOTES:
- COORDINATE AQUATIC EQUIPMENT ROUGH-IN WITH POOL CONSULTANTS DRAWINGS.
- VERIFY ALL WIRING REQUIREMENTS FOR AQUATICS EQUIPMENT WITH MANUFACTURERS INSTRUCTIONS BEFORE INSTALLATION.

 CODED NOTES:

1. RECONNECT EXISTING "SMALL" POOL HEATER CIRCUIT TO NEW HEATER.
2. UNISTRUIT MOUNT NEW PUMP VFD'S IN THIS LOCATION FOR ACCESS FROM "CATWALK". UTILIZE EXISTING BEAM UNDERNEATH "CATWALK" AND CEILING STRUCTURE TO SUPPORT NEW VFD MOUNTING STRUCTURE. MAINTAIN 3' CLEARANCE IN FRONT OF VFD'S. PROVIDE 10.25(AU) 1" VFD BUTTER/SECTIONS SHALL NOT EXCEED 2 METERS (8' 7") FROM PER NEC-404.8(A). VERIFY EXISTING CONDITIONS AND VFD DIMENSIONS PRIOR TO ROUGH-IN AND CONSTRUCTION OF SUPPORT STRUCTURE.
3. EXISTING SWITCHES FOR UNDERWATER LIGHTING.
4. NEW PUMP. MAKE FINAL CONNECTIONS TO PUMP.
5. PROVIDE NEW CONDUIT/CONDUCTORS FROM MCC TO NEW VFD.
6. PROVIDE NEW CONDUIT/CONDUCTORS FROM VFD TO NEW PUMP.
7. PROVIDE 120V CONNECTION TO NEW CHEMICAL CONTROLLER.
8. POWER FROM C1A CHEMICAL CONTROLLER.
9. POWER FROM C1B CHEMICAL CONTROLLER.
10. EXISTING TECHNOLOGY ENCLOSURE.
11. PROVIDE CAT6 CABLEING FROM CHEMICAL CONTROLLER TO EXISTING TECHNOLOGY ENCLOSURE. TERMINATE CABLEING AT ENCLOSURE AND TEST TO VERIFY CABLEING IS PROPERLY TERMINATED.
12. NEW DROP SLIDE EMERGENCY OFF BUTTON. SEE DETAIL 1 ON SHEET ET02

460 WEST STAUNTON DRIVE TROY, OHIO 45373

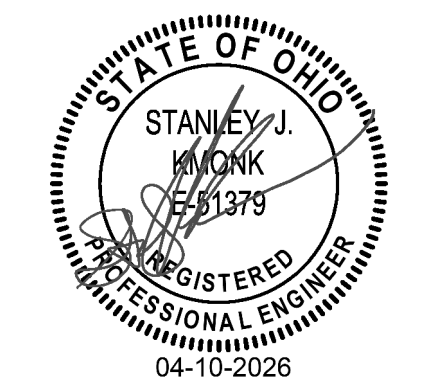
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PROJECT NO. 25306.00

DRAWING TITLE:
ELECTRICAL NEW
WORK PLAN - PUMP
ROOM

E202



LUMINAIRE SCHEDULE																		
B: BOLLARD C: CEILING CV: COVE G: GROUND P: POLE R: RECESSED S: SUSPENDED T: TRACK UC: UNDERCABINET W: WALL X: UNIVERSAL																		
PARTIAL MODEL NUMBERS MAY BE SHOWN AND ARE INTENDED TO INDICATE ACCEPTABLE MANUFACTURER'S PRODUCT LINE. EXACT MODEL NUMBERS MEETING THE FIXTURE DESCRIPTION SHALL BE OBTAINED FROM THE MANUFACTURER'S AGENTS. ALL FIXTURES MAY NOT BE USED - REFER TO PLANS. DIMENSIONS MAY VARY. REFER TO THE SPECIFICATIONS SECTIONS 26 51 14 FOR ADDITIONAL REQUIREMENTS. REFER TO DRAWINGS FOR FIXTURES CIRCUITED AND CONTROL.																		
TAG	MANUFACTURER	SERIES	MODEL	DIMENSIONS (W x L x D)	DESCRIPTION	SOURCE	VOLTAGE	WATTAGE	COLOR TEMP	LUMENS	DIMMING	MATERIAL	MOUNTING	LENS	FINISH/TRIM	REFLECTOR FINISH/DISTRIBUTION	OPTIONS	APPROVED MANUFACTURERS
C1	AXIS	EXTEND 4 SURFACE	EX4S	4" H X LENGTH AS SHOWN ON DRAWINGS X 5" D	SURFACE MOUNTED WET LOCATION LINEAR	LED	120V	6W/FT	4000K	600 LM/FT	FIXED OUTPUT	ALUMINUM	SURFACE	GASKETED ACRYLIC	TBD ARCHITECT	BATWING DISTRIBUTION	IP66 RATED. PROVIDE SURFACE MOUNT BRACKET.	LUMENWERX VIA SPLASH WDO, SELUX PEETA IP66
W2	BASELITE	ANGLE SHADE	A812	ARM: 6" H X 24" W X 24" PROJ. HEAD: 12.25" H X 12" DIA	WALL MOUNT (DUAL HEAD) SIGN LIGHT	LED	120V	12 W PER HEAD	4000K	1481 LUMENS PER HEAD	FIXED OUTPUT	ALUMINUM	WALL	-	TBD ARCHITECT	-	PROVIDE E18A 1/2" ARM EXTENSION FOR DUAL HEAD APPLICATION WITH 24" PROJECTION FROM MOUNTING SURFACE PROVIDE LWTM WEATHERTIGHT WALL MOUNT BASE. PROVIDE TRS 1/2"-4" SUPPORT CABLE. WET LOCATION RATED.	BOCK LIGHTING SN610-EG1-IG1 / LVFV1-1500LM-40K / GNX-1003-24-12-G1 / GW1, BARN LIGHT ELECTRIC CO DUAL ARM EMBLEM SIGN LIGHT.
X3	LITHONIA	WLTE	-	2.5" X 12.5" X 8"	SINGLE FACE WET LOCATION EXIT SIGN	LED	120V	3.4 W	GREEN	N/A	FIXED OUTPUT	THERMOPLASTIC	WALL	POLYCARBONATE	TBD ARCHITECT	-	PROVIDE INTEGRAL 90 MINUTE BATTERY WITH 24 HOUR RECHARGE. WET LOCATION RATED.	EXITONIX VEX-WP, SURELITES LPXW
W4	LITHONIA	AFF	OEL CW	6.5" X 10" X 3.25"	EMERGENCY EGRESS LIGHT	LED	120V	11.6 W	4000K	N/A	FIXED OUTPUT	ALUMINUM	WALL	POLYCARBONATE	TBD ARCHITECT	WIDE THROW OPTIC	PROVIDE INTEGRAL (CW) 90 MINUTE BATTERY WITH 24 HOUR RECHARGE. WET LOCATION RATED. NORMALLY OFF OPERATION.	EXTRONIX TRITONCL, MULE MAKO-LED

- CODED NOTES:
1.

PROVIDE NEW GFCI CIRCUIT BREAKER FOR NEW CHEMICAL CONTROLLERS.
2.

UTILIZE EXISTING SPARE CIRCUIT BREAKER IN PANEL.

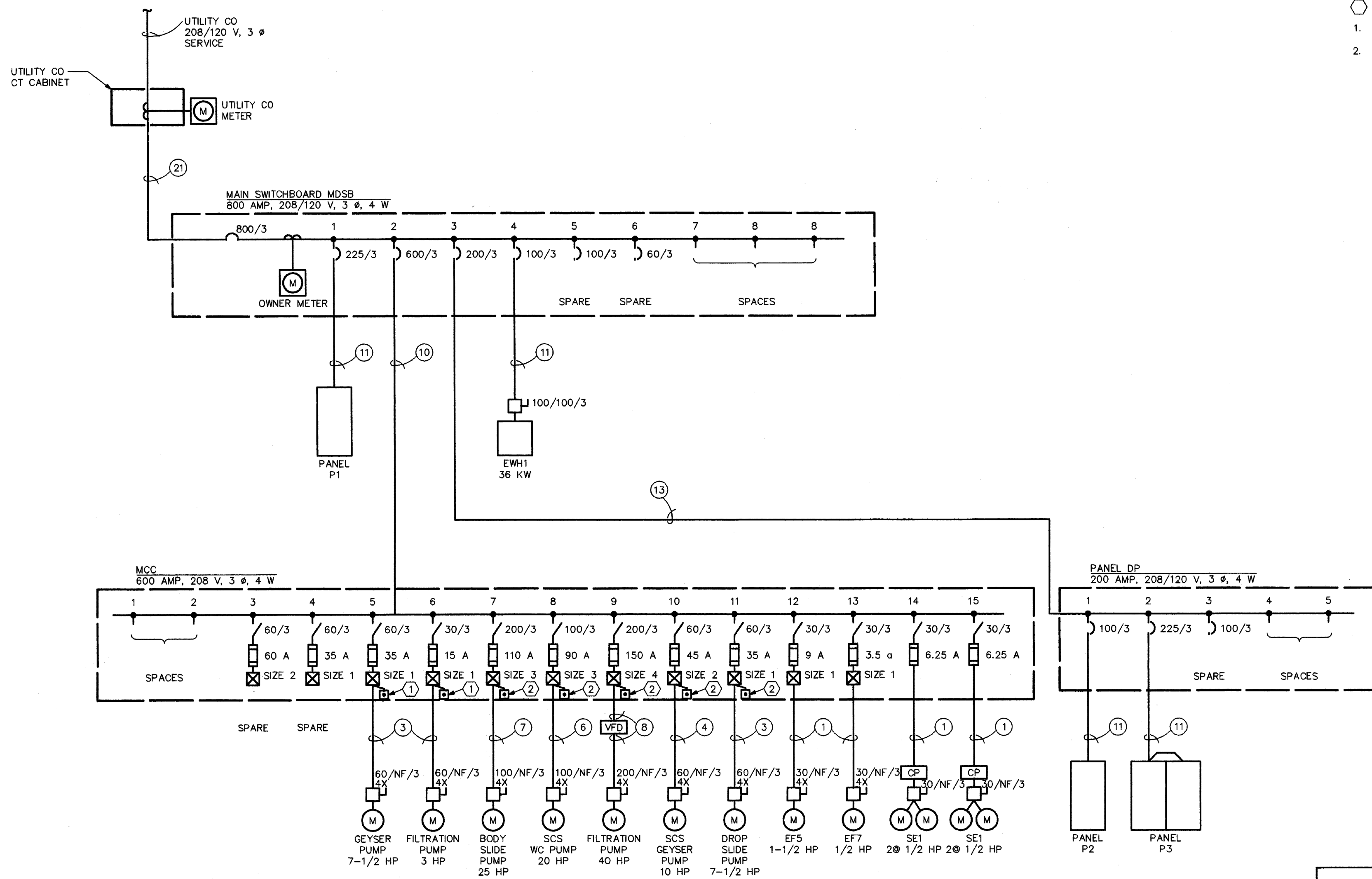
Existing Panel Name: P1 PR (PUMP ROOM)													
Location:			Volts: 120/208 Wye					Mains Type: MLO					
Supply From:			Phases: 3					Mains Rating: 250.00 A					
Mounting: Recessed			Wires: 4										
Legend:			Notes:										
GF - GFCI CIRCUIT BREAKER			NEW CIRCUIT BREAKERS SHALL MATCH EXISTING BREAKERS IN PANEL.					NEW CIRCUIT BREAKERS SHALL MATCH AIC RATING OF PANEL.					
Note	#	Branch Circuit Description	Trip	#	A	B	C	#	Trip	Branch Circuit Description	#	Note	
		EXISTING - POLE LIGHTS/RECEPT	20 A	1	0/0			2	20 A	EXISTING - UNDERWTR POOL LIGHTS		GF	
		EXISTING - LIGHTING	20 A	3		0/0		4	20 A	EXISTING - UNDERWTR POOL LIGHTS		GF	
		EXISTING - LIGHTING	20 A	5			0/0	6	20 A	EXISTING - EF2RECEPTACLES			
		EXISTING - EXTERIOR LIGHTING	20 A	7	0/0			8	20 A	EXISTING - UH1RECEPTACLES			
		EXISTING - TIME CLOCK	20 A	9		0/0		10	20 A	EXISTING - RECEPTACLES			
		EXISTING - OUTDOOR RECEPT	20 A	11			0/0	12	20 A	EXISTING - RECEPTACLES			
		EXISTING - OUTDOOR RECEPT	20 A	13	0/0			14	20 A	EXISTING - EF2RECEPTACLES			
		EXISTING - OUTDOOR RECEPT	20 A	15		0/0.5		16	20 A	CHEMICAL CONTROLLER CIA	#12	GF	
		EXISTING - EYE WASH	20 A	17			0/0.5	18	20 A	CHEMICAL CONTROLLER C1B	#12	GF	
		EXISTING - EWH2	40 A	19,21	0/0			20	20 A	EXISTING - SMALL POOL HTR CONTROL			
		EXISTING - AUTO FILL	20 A	22				22	20 A	EXISTING - AUTO FILL			
		EXISTING - MOTORIZED DAMPER	20 A	23		0/0	0/0	24	20 A	EXISTING - LARGE POOL HTR CONTROL			
GF		EXISTING - SEWAGE EJECTOR 1	30 A	25	0/0			26	20 A	EXISTING - CIRCULATION PUMP			
GF		EXISTING - SEWAGE EJECTOR 2	30 A	27		0/0		28	20 A	EXISTING - CO2 FEED SYSTEM			
		EXISTING - SEWAGE CONTROL PUMP	20 A	29			0/0	30	20 A	EXISTING - BOOSTER PUMP			
		EXISTING -	20 A	31	0/0			32	20 A	EXISTING -			
		EXISTING - EXHAUST FAN 7	20 A	33			0/0	34,36	20 A	EXISTING - STORAGE HEATER (H2)			
		EXISTING - SPARE	20 A	35			0/0						
		EXISTING - IRRIGATION	20 A	37	0/0			38	20 A	EXISTING - SPARE			
		EXISTING - SPARE	20 A	39		0/0		40	20 A	EXISTING - SPARE			
		EXISTING - SPARE	20 A	41			0/0	42	--	SPACE			
			Phase Total KVA:			0.00	0.50	0.50					
			Phase Total Amps:			0.00	4.81	4.81					
Load Classification	Connected Load	NEC Demand Factor	NEC Demand	Panel Summary									
LIGHTING	0.00 kVA	0.00%	0.00 kVA										
RECEPTACLE & MISC	1.00 kVA	100.00%	1.00 kVA	Total Conn. Load: 1.00 kVA									
MOTOR	0.00 kVA	0.00%	0.00 kVA	Total Est. Demand: 1.00 kVA									
HEATING	0.00 kVA	0.00%	0.00 kVA	Total Conn.: 2.78 A									
EXISTING	0.00 kVA		0.00 kVA	Total Est. Demand: 2.78 A									

Existing Panel Name: P1 BH (BATH HOUSE)													
Location:			Volts: 120/208 Wye				Mains Type: MLO			125.00 A			
Supply From:			Phases: 3				Mains Rating:						
Mounting: Recessed			Wires: 4										
Legend:			Notes:										
GF - GFCI CIRCUIT BREAKER													
Note	#	Branch Circuit Description	Trip	#	A	B	C	#	Trip	Branch Circuit Description	#	Note	
		EXISTING - POLE LIGHT/REC	20 A	1	0 / 0			2	20 A	EXISTING - RECEPTABLES			
		EXISTING - EXTERIOR LIGHTING	20 A	3		0 / 0		4	20 A	EXISTING - RECEPTABLES			
		EXISTING - EXTERIOR LIGHTING	20 A	5			0 / 0	6	20 A	EXISTING - RECEPTABLES			
		EXISTING - LIGHTING	20 A	7	0 / 0			8	20 A	EXISTING - RECEPTABLES			
		EXISTING - LIGHTING	20 A	9		0 / 0		10	20 A	EXISTING - SWIMSUIT DRYER			
		EXISTING - TIME CLOCK	20 A	11			0 / 0	12	20 A	EXISTING - HAIRHAND DRYER			
		EXISTING - AUTOMATIC FAUCETS	20 A	13	0 / 0			14	20 A	EXISTING - HAIRHAND DRYER			
		EXISTING - AUTOMATIC FLUSH VALVES	20 A	15		0 / 0		16	20 A	EXISTING - RECEPTABLES			
		EXISTING - AUTOMATIC FAUCETS	20 A	17			0 / 0	18	20 A	EXISTING - RECEPTABLES			
		EXISTING - AUTOMATIC FLUSH VALVES	20 A	19	0 / 0			20	20 A	EXISTING - RECEPTABLES			
		EXISTING - MOTORIZED DAMPER	20 A	21				22	20 A	EXISTING - SWIMSUIT DRYER			
		EXISTING - OUTLET FOUNTAIN	20 A	23			0 / 0	24	20 A	EXISTING - HAIRHAND DRYER			
		EXISTING - EXTERIOR LIGHTING	20 A	25	0 / 0			26	20 A	EXISTING - HAIRHAND DRYER			
		LTG ENTRY EXITS/EGRESS	20 A	27		0.02 / 0		28	20 A	EXISTING - RECEPTABLES			
		EXISTING - SPARE	20 A	29				30	20 A	EXISTING - RECEPTABLES			
		EXISTING - SPARE	20 A	31	0 / 0			32,34,36					
		EXISTING - SPARE	20 A	33									
		EXISTING - SPARE	20 A	35		0 / 0			15 A	EXISTING - EXHAUST FAN #1			
		EXISTING - SPARE	20 A	37	0 / 0								
		EXISTING - SPARE	20 A	39		0 / 0			38	20 A	EXISTING - GAS FIRED WATER HTR		
		EXISTING - SPARE	20 A	41			0 / 0		40	20 A	EXISTING - FU2		
		EXISTING - SPARE	20 A	43			0 / 0		42	20 A	EXISTING - PARTY DECK AWNING	GF	
Phase Total KVA:			0.00	0.02	0.00								
Phase Total Amps:			0.00	0.17	0.00								
Load Classification	Connected Load	NEC Demand Factor	NEC Demand	Panel Summary									
LIGHTING	0.02 kVA	125.00%	0.03 kVA										
RECEPTACLE & MISC	0.00 kVA		0.00 kVA	Total Conn. Load: 0.02 kVA									
MOTOR	0.00 kVA	0.00%	0.00 kVA	Total Est. Demand: 0.03 kVA									
HEATING	0.00 kVA	0.00%	0.00 kVA	Total Conn.: 0.06 A									
EXISTING	0.00 kVA		0.00 kVA	Total Est. Demand: 0.07 A									

EQUIPMENT GROUNDING CONDUCTOR SCHEDULE	
CIRCUIT AMPACITY	SIZE (AWG)
20	#12
30	#10
40	#10
50	#10
60	#10
70	#8
80	#8
90	#8
100	#8
110	#8
125	#6
150	#6
175	#6
200	#4
225	#4
250	#4
300	#4
350	#3
400	#3
NOTES:	
1. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL BE COPPER.	

BRANCH CIRCUIT WIRING SCHEDULE			
120 VOLT 1Ø, 2W.+ GND CIRCUITS			
CIRCUIT BREAKER	CONDUCTOR	RACEWAY	BRANCH CIRCUIT DISTANCE
15A-1P/20A-1P	2 #12 & 1 #12 GND.	3/4" CONDUIT	0 - 65'
	2 #10 & 1 #10 GND.	3/4" CONDUIT	65' - 100'
	2 #8 & 1 #10 GND.	3/4" CONDUIT	100' - 160'
	2 #6 & 1 #10 GND.	3/4" CONDUIT	160' - 255'
	2 #10 & 1 #10 GND.	3/4" CONDUIT	0 - 65'
	2 #8 & 1 #10 GND.	3/4" CONDUIT	65' - 105'
30A-1P	2 #6 & 1 #10 GND.	3/4" CONDUIT	105' - 170'
	2 #4 & 1 #10 GND.	1" CONDUIT	170' - 270'
120/208 VOLT 1Ø, 3W.+ GND CIRCUITS			
CIRCUIT BREAKER	CONDUCTOR	RACEWAY	BRANCH CIRCUIT DISTANCE
20A-2P *	3 #12 & 1 #12 GND.	3/4" CONDUIT	0 - 110'
	3 #10 & 1 #10 GND.	3/4" CONDUIT	110' - 170'
	3 #8 & 1 #10 GND.	3/4" CONDUIT	170' - 275'
30A-2P *	3 #8 & 1 #10 GND.	3/4" CONDUIT	0 - 115'
	3 #6 & 1 #10 GND.	3/4" CONDUIT	115' - 185'
	3 #6 & 1 #10 GND.	3/4" CONDUIT	185' - 280'
40A-2P *	3 #4 & 1 #8 GND.	1" CONDUIT	280' - 365'
	3 #4 & 1 #10 GND.	3/4" CONDUIT	0 - 135'
	3 #6 & 1 #10 GND.	3/4" CONDUIT	135' - 220'
60A-2P *	3 #4 & 1 #8 GND.	1" CONDUIT	220' - 340'
	3 #6 & 1 #10 GND.	3/4" CONDUIT	0 - 175'
	3 #4 & 1 #8 GND.	1" CONDUIT	175' - 280'
200A-2P *	3 #3 & 1 #8 GND.	1-1/4" CONDUIT	280' - 355'
	3 #3 & 1 #8 GND.	1-1/4" CONDUIT	280' - 355'
	3 #3 & 1 #8 GND.	1-1/4" CONDUIT	280' - 355'
208 VOLT 1Ø, 2W.+ GND CIRCUITS			
CIRCUIT BREAKER	CONDUCTOR	RACEWAY	BRANCH CIRCUIT DISTANCE
20A-2P	2 #12 & 1 #12 GND.	3/4" CONDUIT	0 - 110'
	2 #10 & 1 #10 GND.	3/4" CONDUIT	110' - 170'
	2 #8 & 1 #10 GND.	3/4" CONDUIT	170' - 275'
30A-2P	2 #10 & 1 #10 GND.	3/4" CONDUIT	0 - 115'
	2 #8 & 1 #10 GND.	3/4" CONDUIT	115' - 185'
	2 #6 & 1 #10 GND.	3/4" CONDUIT	185' - 280'
	2 #4 & 1 #8 GND.	1" CONDUIT	280' - 440'
40A-2P	2 #8 & 1 #10 GND.	3/4" CONDUIT	0 - 135'
	2 #6 & 1 #10 GND.	3/4" CONDUIT	135' - 220'
	2 #4 & 1 #8 GND.	1" CONDUIT	220' - 440'
60A-2P	2 #6 & 1 #10 GND.	3/4" CONDUIT	0 - 175'
	2 #4 & 1 #8 GND.	1" CONDUIT	175' - 280'
	2 #3 & 1 #8 GND.	1-1/4" CONDUIT	280' - 355'
200A-2P	2 #6 & 1 #10 GND.	3/4" CONDUIT	0 - 145'
	2 #4 & 1 #8 GND.	1" CONDUIT	145' - 220'
	2 #3 & 1 #8 GND.	1-1/4" CONDUIT	220' - 290'
400A-2P	2 #2 & 1 #8 GND.	1-1/2" CONDUIT	290' - 365'
	2 #2 & 1 #8 GND.	1-1/2" CONDUIT	290' - 365'

ONE LINE DIAGRAM-FEEDER SCHEDULE									
OVERCURRENT PROTECTION AMPLACITY	NOTE	NUMBER OF SETS	PHASE WIRES QUANTITY - SIZE	NEUTRAL WIRE QUANTITY - SIZE	GROUND WIRE SIZE	ISOLATED GROUND SIZE	CONDUIT SIZE PER SET	COMMENTS/REMARKS	
20	1	1	3-12 AWG	-	12 AWG	-	3/4"	3 PHASE EQUIPMENT AND MOTOR FEEDERS	
30	2	1	3-10 AWG	-	10 AWG	-	3/4"		
40	3	1	3-8 AWG	-	10 AWG	-	3/4"		
50	4	1	3-6 AWG	-	10 AWG	-	3/4"		
70	5	1	3-4 AWG	-	8 AWG	-	1"		
90	6	1	3-2 AWG	-	8 AWG	-	1 1/4"		
110	7	1	3-1 AWG	-	6 AWG	-	1 1/4"	POWER PANELS, DISTRIBUTION PANELBOARDS, AND SWITCHBOARDS	
150	8	1	3-1/0 AWG	-	6 AWG	-	1 1/2"		
175	9	1	3-2/0 AWG	-	6 AWG	-	1 1/2"		
600	10	2	3-350 KCMIL	-	4 AWG	-	3"		
100	11	1	3-1 AWG	1-1 AWG	6 AWG	-	1 1/2"		
150	12	1	3-1/0 AWG	1-1/0 AWG	6 AWG	-	2"		
200	13	1	3-3/0 AWG	1-3/0 AWG	6 AWG	-	2"		
225	14	1	3-4/0 AWG	1-4/0 AWG	4 AWG	-	2 1/2"		
250	15	1	3-250 KCMIL	1-250 KCMIL	4 AWG	-	2 1/2"		
300	16	1	3-350 KCMIL	1-350 KCMIL	4 AWG	-	3"		
350	17	1	3-500 KCMIL	1-500 KCMIL	3 AWG	-	3 1/2"		
400	18	1	3-600 KCMIL	1-600 KCMIL	3 AWG	-	3 1/2"		
500	19	2	3-250 KCMIL	1-250 KCMIL	2 AWG	-	2 1/2"		
600	20	2	3-350 KCMIL	1-350 KCMIL	1 AWG	-	3"		
800	21	2	3-600 KCMIL	1-600 KCMIL	1/0 AWG	-	4"		



- CODED NOTES
1. PROVIDE HAND-OFF-AUTO SWITCH.
 2. PROVIDE ON/OFF PUSH BUTTONS.

A WIRING DIAGRAM

ONE LINE N.T.S.

PANEL ID: P1		VOLTAGE: 208 / 120		PHASE: 3		
LOCATION: MECHANICAL BLDG.		MOUNTING SURFACE		MAIN SIZE: 225 AMPS		
WIRE TYPE: MLO		COORDINATE LUG SIZE WITH WIRE SIZE		ON 1 LINE DIAGRAM		
LEGEND: GF: GROUND FAULT CIRCUIT INTERRUPTER						
GND	WIRE	BRANCH CIRCUIT	CIRCUIT	BRANCH CIRCUIT	WIRE	GND
SIZE		DESCRIPTION	NUMBER	DESCRIPTION	SIZE	
12	12	PULL LIGHTS/RECEPT.	20/1	UNDERWATER POOL LIGHTS	12	12
12	12	LIGHTING	3	UNDERWATER POOL LIGHTS	12	12
12	12	EXTERIOR LIGHTING	7	RECEPTACLES	12	12
12	12	TIME CLOCK	8	RECEPTACLES	12	12
12	12	OUTDOOR RECEPTACLES	11	RECEPTACLES	12	12
12	12	OUTDOOR RECEPTACLES	15	RECEPTACLES	12	12
12	12	OUTDOOR RECEPTACLES	16	CHEMICAL CONTROLLER	12	12
12	12	OUTDOOR RECEPTACLES	17	RECEPTACLES	12	12
8	8	EW2	19	POOL HEATER CTRL. PANEL	12	12
12	12	MOTORIZED DAMPER	23	POOL HEATER CTRL. PANEL	12	12
12	12	SPARE	24	SPARE	12	12
12	12	SPARE	27	CO2 FEED SYSTEM	12	12
12	12	SPARE	28	MASTER SHUT	12	12
12	12	SPARE	31	AUTOFILL RELAY CTRL.	12	12
12	12	SPARE	33	SPARE	12	12
12	12	SPARE	35	SPARE	12	12
12	12	SPARE	36	SPARE	12	12
12	12	SPARE	40	SPARE	12	12
12	12	SPARE	41	SPARE	12	12
12	12	SPARE	42	SPARE	12	12
PANEL LOAD SUMMARY:		5.5		PANEL AMP SUMMARY:		
RECEPTACLES & MISC.:		15.7		102.8		
MOTOR:		8.3		10.4		
HEATING:		6.3		74.2		
TOTAL:		31.5		PHASE C		



-  **CODDED NOTES:**

 1. EXISTING PUMP TO BE REMOVED.
 2. REMOVE EXISTING ON/OFF PUSH BUTTON FROM MCC AND COVER HOLES IN DOOR.
 3. FIELD MODIFY MCK BUCKET SUCH THAT THE STARTER IS BYPASSED AND THE CIRCUIT ACTS AS A FUSED DISCONNECT SWITCH ONLY.
 4. REMOVE EXISTING DISCONNECT SWITCH.
 5. REMOVE EXISTING FUSES. FUSES TO BE REPLACED.



-  CODING NOTES:

 1. BYPASSED STARTED.
 2. NEW VFD.
 3. NEW POOL PUMP.
 4. NOT USED.
 5. PROVIDE NEW EMERGENCY STOP BUTTON
 6. PROVIDE NEW FUSES.

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1. SOME SYMBOLS MAY NOT BE USED.

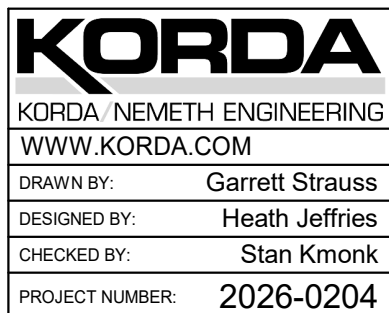
SYMBOL	DESCRIPTION
	FUSIBLE SWITCH WITH FUSES (SIZE AS NOTED)
	CIRCUIT BREAKER (SIZE AS NOTED)
	SPACE FOR DEVICE (SIZE AS NOTED)
	SPARE FUSIBLE SWITCH (WITHOUT FUSES)
	KIRK KEY INTERLOCK
	SHUNT TRIP
	AMMETER, VOLTMETER SWITCH
	ANALOG AMMETER
	ANALOG VOLTMETER
	GROUND FAULT SENSOR/OPERATOR
	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER
	ANALOG WATT/ HOUR METER
	UTILITY METER
	ELECTRONIC METERING UNIT
	PANELBOARD
	POWER TRANSFORMER, "TX" DENOTES NAME "T1" NOTES TYPE (SEE TRANSFORMER SCHEDULE)
	GROUNDING ELECTRODE AND CONDUCTOR (CONDUCTOR SIZE AS NOTED)
	COMBINATION MOTOR STARTER (STARTER SIZE, FUSE SIZE, NO. OF POLES -AS NOTED) "3R" DENOTES NEMA "3R" ENCLOSURE, "NF"=NONFUSED
	MAGNETIC MOTOR STARTER (STARTER SIZE, FUSE SIZE, NO. OF POLES -AS NOTED) "3R" DENOTES NEMA "3R" ENCLOSURE, "NF"=NONFUSED
	SAFETY SWITCH (STARTER SIZE, FUSE SIZE, NO. OF POLES -AS NOTED) NF=NONFUSED
	WEATHERPROOF
	CONTROL PANEL (BY OTHERS)
	VARIABLE FREQUENCY DRIVE
	SURGE PROTECTION DEVICE
	MOTOR
	EMERGENCY GENERATOR
	AUTOMATIC TRANSFER SWITCH
	BYPASS/ISOLATION AUTOMATIC TRANSFER SWITCH
	MANUAL TRANSFER SWITCH
	EQUIPMENT (AS NOTED)
	PUSHBUTTON - NORMALLY OPEN
	PUSHBUTTON - NORMALLY CLOSED
	FIRE PUMP CONTROLLER (BY OTHERS)

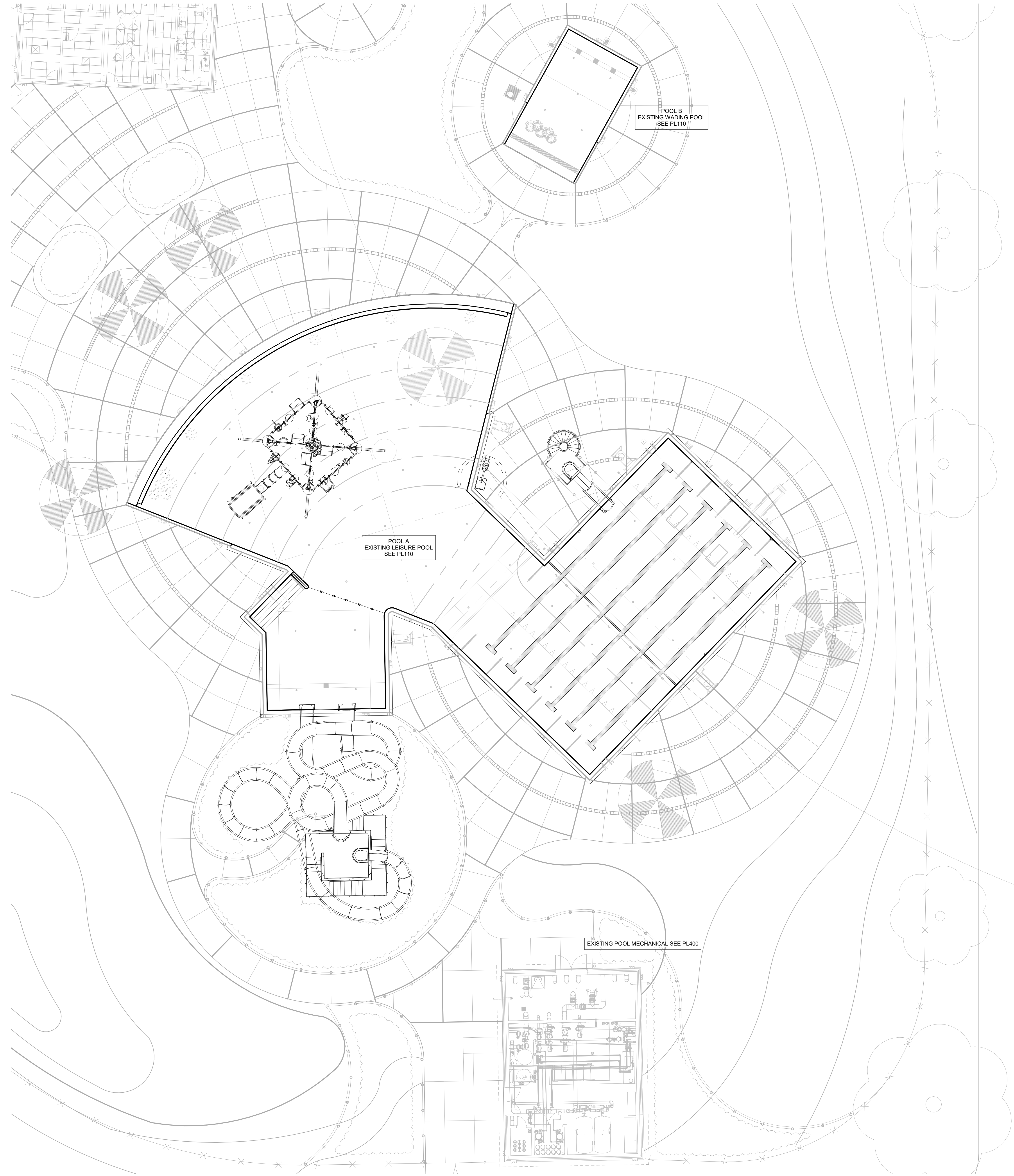
INSULATION TYPE: COMPACT XHHW-2, ALUMINUM CONDUCTORS

OVERCURRENT PROTECTION CAPACITY	NOTE NUMBER	NUMBER OF SETS	PHASE WIRES QUANTITY - SIZE	NEUTRAL WIRE QUANTITY - SIZE	GROUND SIZE COPPER ONLY	CONDUIT SIZE PER SET	COMMENTS
100	1A	1	3 - #1 AWG	-	1 - #6 AWG	1-1/4"	
125	2A	1	3 - #2/0 AWG	-	1 - #6 AWG	1-1/2"	
150	3A	1	3 - #3/0 AWG	-	1 - #6 AWG	2"	
175	4A	1	3 - #4/0 AWG	-	1 - #6 AWG	2"	
200	5A	1	3 - 250 KCMIL	-	1 - #6 AWG	2"	
225	6A	1	3 - 300 KCMIL	-	1 - #4 AWG	2-1/2"	
250	7A	1	3 - 350 KCMIL	-	1 - #4 AWG	2-1/2"	
300	8A	1	3 - 500 KCMIL	-	1 - #4 AWG	3"	
350	9A	2	3 - #4/0 AWG	-	1 - #3 AWG	2"	
400	10A	2	3 - 250 KCMIL	-	1 - #3 AWG	2"	
500	11A	2	3 - 350 KCMIL	-	1 - #2 AWG	2-1/2"	
600	12A	2	3 - 500 KCMIL	-	1 - #1 AWG	3	
700	13A	3	3 - 350 KCMIL	-	1 - #1/0 AWG	2-1/2"	
800	14A	3	3 - 400 KCMIL	-	1 - #1/0 AWG	3"	
1000	15A	3	3 - 600 KCMIL	-	1 - #2/0 AWG	3-1/2"	
1200	16A	4	3 - 500 KCMIL	-	1 - #3/0 AWG	3"	
1600	17A	5	3 - 600 KCMIL	-	1 - #4/0 AWG	3-1/2"	
2000	18A	6	3 - 600 KCMIL	-	1 - 250 KCMIL	3-1/2"	
100	19A	1	3 - #1 AWG	1 - #1 AWG	1 - #6 AWG	1-1/2"	
125	20A	1	3 - #2/0 AWG	1 - #2/0 AWG	1 - #6 AWG	1-1/2"	
150	21A	1	3 - #3/0 AWG	1 - #3/0 AWG	1 - #6 AWG	2"	
200	22A	1	3 - 250 KCMIL	1 - 250 KCMIL	1 - #6 AWG	2-1/2"	
225	23A	1	3 - 300 KCMIL	1 - 300 KCMIL	1 - #4 AWG	3"	
250	24A	1	3 - 350 KCMIL	1 - 350 KCMIL	1 - #4 AWG	3"	
300	25A	1	3 - 500 KCMIL	1 - 500 KCMIL	1 - #4 AWG	3-1/2"	
350	26A	2	3 - #4/0 AWG	1 - #4/0 AWG	1 - #3 AWG	2"	
400	27A	2	3 - 250 KCMIL	1 - 250 KCMIL	1 - #3 AWG	2-1/2"	
500	28A	2	3 - 350 KCMIL	1 - 350 KCMIL	1 - #2 AWG	3"	
600	29A	2	3 - 500 KCMIL	1 - 500 KCMIL	1 - #1 AWG	3-1/2"	
700	30A	3	3 - 350 KCMIL	1 - 350 KCMIL	1 - #1/0 AWG	3"	
800	31A	3	3 - 400 KCMIL	1 - 400 KCMIL	1 - #1/0 AWG	3"	
1000	32A	3	3 - 600 KCMIL	1 - 600 KCMIL	1 - #2/0 AWG	4"	
1200	33A	4	3 - 500 KCMIL	1 - 500 KCMIL	1 - #3/0 AWG	3-1/2"	
1600	34A	5	3 - 600 KCMIL	1 - 600 KCMIL	1 - #4/0 AWG	4"	
2000	35A	6	3 - 600 KCMIL	1 - 600 KCMIL	1 - 250 KCMIL	4"	
2500	36A	8	3 - 600 KCMIL	1 - 600 KCMIL	1 - 350 KCMIL	4"	
3000	37A	8	3 - 700 KCMIL	1 - 700 KCMIL	1 - 400 KCMIL	4"	
4000	38A	12	3 - 600 KCMIL	1 - 600 KCMIL	1 - 500 KCMIL	4"	
5000	39A	13	3 - 750 KCMIL	1 - 750 KCMIL	1 - 700 KCMIL	5"	
OPEN	53A	-	-	-	-	-	
125	54A	1	3 - #2/0 AWG	1 - #2/0 AWG	1 - #6 AWG	1-1/2"	30 KVA TXMR SEC
175	55A	1	3 - #4/0 AWG	1-#4/0 AWG	1 - #4 AWG	2-1/2"	45 KVA TXMR SEC
225	56A	1	3 - 300 KCMIL	1 - 300 KCMIL	1 - #2 AWG	3"	75 KVA TXMR SEC
400	57A	2	3 - 250 KCMIL	1 - 250 KCMIL	1 - #1/0 AWG	2-1/2"	112.5 KVA TXMR SEC
600	58A	2	3 - 500 KCMIL	1 - 500 KCMIL	1 - #2/0 AWG	3.5"	150 KVA TXMR SEC
800	59A	3	3 - 400 KCMIL	1 - 400 KCMIL	1 - #3/0 AWG	3"	225 KVA TXMR SEC
1200	60A	4	3 - 500 KCMIL	1 - 500 KCMIL	1 - 250 KCMIL	4"	300 KVA TXMR SEC
1600	61A	5	3 - 600 KCMIL	1 - 600 KCMIL	1 - 400 KCMIL	4"	500 KVA TXMR SEC

INSULATION TYPE: THWN with COPPER CONDUCTORS

VERCURRENT PROTECTION AMPACITY	NOTE NUMBER	NUMBER OF SETS	PHASE WIRES QUANTITY - SIZE	NEUTRAL WIRE QUANTITY - SIZE	GROUND SIZE (EGC)	CONDUIT SIZE PER SET	COMMENTS
20	1	1	3 - #12 AWG	-	1 - #12 AWG	3/4"	
30	2	1	3 - #10 AWG	-	1 - #10 AWG	3/4"	
40	3	1	3 - #8 AWG	-	1 - #10 AWG	3/4"	
50	4	1	3 - #6 AWG	-	1 - #10 AWG	3/4"	
70	5	1	3 - #4 AWG	-	1 - #8 AWG	1"	
90	6	1	3 - #2 AWG	-	1 - #8 AWG	1-1/4"	
110	7	1	3 - #1 AWG	-	1 - #6 AWG	1-1/4"	
150	8	1	3 - #1/0 AWG	-	1 - #6 AWG	1-1/2"	
175	9	1	3 - #2/0 AWG	-	1 - #6 AWG	1-1/2"	
200	10	1	3 - #3/0 AWG	-	1 - #6 AWG	2"	
225	11	1	3 - #4/0 AWG	-	1 - #4 AWG	2"	
250	12	1	3 - 250 KCMIL	-	1 - #4 AWG	2"	
300	13	1	3 - 350 KCMIL	-	1 - #4 AWG	2-1/2"	
350	14	1	3 - 500 KCMIL	-	1 - #3 AWG	3"	
400	15	1	3 - 600 KCMIL	-	1 - #3 AWG	3"	
500	16	2	3 - 250 KCMIL	-	1 - #2 AWG	2"	
600	17	2	3 - 350 KCMIL	-	1 - #1 AWG	2-1/2"	
700	18	2	3 - 500 KCMIL	-	1 - #1/0 AWG	3"	
800	19	2	3 - 600 KCMIL	-	1 - #1/0 AWG	3"	
1000	20	3	3 - 400 KCMIL	-	1 - #2/0 AWG	3"	
1200	21	3	3 - 600 KCMIL	-	1 - #3/0 AWG	3"	
1600	22	4	3 - 600 KCMIL	-	1 - #4/0 AWG	3-1/2"	
OPEN	23	-	-	-	-	-	
100	24	1	3 - #1 AWG	1 - #1 AWG	1 - #8 AWG	1-1/2"	
150	25	1	3 - #1/0 AWG	1 - #1/0 AWG	1 - #6 AWG	2"	
200	26	1	3 - #3/0 AWG	1 - #3/0 AWG	1 - #6 AWG	2"	
225	27	1	3 - #4/0 AWG	1 - #4/0 AWG	1 - #4 AWG	2-1/2"	
250	28	1	3 - 250 KCMIL	1 - 250 KCMIL	1 - #4 AWG	2-1/2"	
300	29	1	3 - 350 KCMIL	1 - 350 KCMIL	1 - #4 AWG	3"	
350	30	1	3 - 500 KCMIL	1 - 500 KCMIL	1 - #3 AWG	3-1/2"	
400	31	1	3 - 600 KCMIL	1 - 600 KCMIL	1 - #3 AWG	3-1/2"	
500	32	2	3 - 250 KCMIL	1 - 250 KCMIL	1 - #2 AWG	2-1/2"	
600	33	2	3 - 350 KCMIL	1 - 350 KCMIL	1 - #1 AWG	3"	
800	34	2	3 - 600 KCMIL	1 - 600 KCMIL	1 - #1/0 AWG	4"	
1000	35	3	3 - 400 KCMIL	1 - 400 KCMIL	1 - #2/0 AWG	3"	
1200	36	3	3 - 600 KCMIL	1 - 600 KCMIL	1 - #3/0 AWG	4"	
1600	37	4	3 - 600 KCMIL	1 - 600 KCMIL	1 - #4/0 AWG	4"	
2000	38	5	3 - 600 KCMIL	1 - 600 KCMIL	1 - 250 KCMIL	4"	
2500	39	6	3 - 600 KCMIL	1 - 600 KCMIL	1 - 350 KCMIL	4"	
3000	40	8	3 - 500 KCMIL	1 - 500 KCMIL	1 - 400 KCMIL	4"	
4000	41	10	3 - 600 KCMIL	1 - 600 KCMIL	1 - 500 KCMIL	4"	
FIRE PUMP	48	1	3 - #1 AWG	-	1 - #6 AWG	2"	2 HR FIRE RATED
FIRE PUMP	49	1	6 - #1 AWG	-	1 - #6 AWG	2"	Y- Δ STARTER
TVSS	50	1	3 - #2 AWG	1 - #2 AWG	1 - #2 AWG	1-1/2"	MINIMIZE LENGTH
15 KV	51	1	3 - #4/0 AWG	-	1 - #4/0 AWG	5"	
15 KV	52	1	3 - 500 KCMIL	-	1 - #4/0 AWG	5"	
OPEN	53	-	-	-	-	-	
50	54	1	3 - #8 AWG	3 - #8 AWG	1 - #8 AWG	3/4"	15 KVA TXMR SEC
125	55	1	3 - #1 AWG	1 - #1 AWG	1 - #6 AWG	1-1/2"	30 KVA TXMR SEC
175	56	1	3 - #2/0 AWG	1 - #2/0 AWG	1 - #4 AWG	2"	45 KVA TXMR SEC
225	57	1	3 - #4/0 AWG	1 - #4/0 AWG	1 - #2 AWG	2-1/2"	75 KVA TXMR SEC
400	58	1	3 - 600 KCMIL	1 - 600 KCMIL	1 - #1/0 AWG	3-1/2"	112.5 KVA TXMR SEC
600	59	2	3 - 350 KCMIL	1 - 350 KCMIL	1 - #2/0 AWG	2-1/2"	150 KVA TXMR SEC
800	60	2	3 - 600 KCMIL	1 - 600 KCMIL	1 - #3/0 AWG	4"	225 KVA TXMR SEC
1200	61	3	3 - 600 KCMIL	1 - 600 KCMIL	1 - 250 KCMIL	4"	300 KVA TXMR SEC





1 | OVERALL AQUATICS
PLAN VIEW
3/32" = 1'-0"

SCHEDULE - SHEET LIST	
SHEET NO.	SHEET NAME
PL100	OVERALL AQUATIC PLAN
D100	DEMOLITION PLAN
D101	DEMOLITION DETAILS
PL101	GENERAL DETAILS AND SCHEDULES
PL102	GENERAL DETAILS
PL110	POOL DIMENSION PLANS
PL200	STRUCTURAL NOTES, PLAN(S) AND SCHEDULE
PL210	STRUCTURAL DETAILS
PL400	MECHANICAL EQUIPMENT PLAN
PL401	MECHANICAL DETAILS

- GENERAL NOTES:**
- LOCATE LIFE GUARD CHAIRS AS REQUIRED PER STATE AND LOCAL CODES AND PER OWNER'S SAFETY CONSULTANT.
 - SCHEDULE QUANTITIES ARE SHOWN FOR VALUE ENGINEERING PURPOSES. IT IS THE INSTALLING CONTRACTORS RESPONSIBILITY TO VERIFY QUANTITIES REQUIRED.
 - CONTRACTOR SHALL CONTACT ENGINEER FOR ELECTRONIC DRAWING FILES PRIOR TO COMMENCING POOL STAKING WORK.
 - ENGINEER WILL PROVIDE ELECTRONIC PLAN VIEW OF ALL POOLS IN AUTOCAD DRAWING FORMAT FOR CONTRACTORS USE TO LOCATE STRUCTURES AND RELATED POOL DECK EQUIPMENT.
 - REFER TO PL100 SERIES DRAWINGS FOR ALL POOL PLAN INFORMATION, RELATED EQUIPMENT, AND DETAILS.
 - REFER TO PL200 SERIES DRAWINGS FOR ALL POOL STRUCTURAL PLANS, RELATED INFORMATION, AND DETAILS.
 - REFER TO PL400 SERIES DRAWINGS FOR ALL MECHANICAL EQUIPMENT INFORMATION AND RELATED DETAILS.

CODES, STANDARDS AND REGULATIONS:
CONTRACTOR SHALL BE FAMILIAR WITH ALL CODES AND STANDARDS LISTED BELOW AND ALERT THE ARCHITECT/ENGINEER TO CONFLICTS IN THE DRAWINGS

CODE JURISDICTION
TROY, OHIO, MIAMI COUNTY

HEALTH & SAFETY CODE:
STATE HEALTH CODE: OHIO 3701-31 SWIMMING POOLS
OHIO REVISED CODE: CHAPTER 3749 SWIMMING POOLS

ACCESSIBILITY STANDARDS AND REGULATIONS:

UNITED STATES:
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

BATHER CAPACITY

EXISTING BATHER CAPACITY TO REMAIN UNCHANGED

TAG LEGEND	
PIPE TAG LINE TYPE IDENTIFIER SYSTEM IDENTIFIER PIPE IDENTIFIER POOL IDENTIFIER	POOL EQUIPMENT TAG POOL IDENTIFIER EQUIPMENT IDENTIFIER
MECHANICAL EQUIPMENT TAG EQUIPMENT IDENTIFIER SYSTEM IDENTIFIER POOL IDENTIFIER	DIMENSION TAG POINT LOCATION POINT IDENTIFIER
WATER FEATURE TAG FEATURE DESIGNATOR EQUIPMENT IDENTIFIER	ELEVATION TAG ELEVATION LOCATION 100.00 REFERENCE
CUSTOM RAILGOODS TAG POOL IDENTIFIER RAILGOODS IDENTIFIER	POOL STRUCTURAL TAG POOL IDENTIFIER WALL TYPE IDENTIFIER
POOL FIXTURE TAG POOL IDENTIFIER POOL FIXTURE DESIGNATOR EQUIPMENT IDENTIFIER	REVISION TAG REVISION NUMBER
POOL FINISH TAG FINISH TYPE ID POOL IDENTIFIER FINISH COLOR ID FINISH DESCRIPTION	DIMENSIONAL UNITS IMPERIAL UNITS METRIC UNITS (mm)
POOL ACCESSIBILITY TAG P = PRIMARY S = SECONDARY MEANS OF ACCESS	POOL FLOOR ELEVATION RELATIVE TO (SWL) ELEVATION 5'-0" WD

EQUIPMENT IDENTIFIER KEY	
AC - AIR COMPRESSOR AF - AUTO FILL AOP - ADVANCED OXIDATION PROCESS AP - pH CONTROL PUMP AS - pH CONTROL STORAGE BP - BOOSTER PUMP C - CHEMICAL CONTROLLER CP - CHLORINE FEED PUMP CS - CHLORINE STORAGE F - FILTER FM - FLOW METER	FP - FLOW METER POWER SUPPLY H - HEATER HX - HEAT EXCHANGER P - PUMP PV - PNEUMATIC MAIN DRAIN VALVE S - STRAINER SC - CONTAINMENT PALLETTE SV - SURGE TANK FAN UV - ULTRA-VIOLET DISINFECTION V - VARIABLE FREQUENCY DRIVE WC - WATER CHILLER

ABBREVIATIONS	
AHJ - AUTHORITY HAVING JURISDICTION BO - BOTTOM OF CJ - CONTROL JOINT DIA - DIAMETER EJ - EXPANSION JOINT EW - EACH WAY FFE - FINISH FLOOR ELEVATION ID - INSIDE DIAMETER MAX - MAXIMUM MIN - MINIMUM NC - NORMALLY CLOSED NO - NORMALLY OPEN NPS - NOMINAL PIPE SIZE OC - ON CENTER OD - OUTSIDE DIAMETER OWE - OPERATING WATER ELEVATION	P&ID - PIPING & INSTRUMENTATION DIAGRAM PL - POOL LIFT PS - POOL STAIRS SCH - SCHEDULE SE - SLOPED ENTRY SS - STAINLESS STEEL SWL - STATIC WATER LEVEL TO - TOP OF TS - TRANSFER SYSTEM TUBC - TRUE UNION CHECK VALVE TUBV - TRUE UNION BALL VALVE TW - TRANSFER WALL TYP - TYPICAL WD - WATER DEPTH

SCHEDULE - SAFETY & MAINTENANCE EQUIPMENT EXISTING (PROVIDED BY OWNER)

QTY	PRODUCT NAME	MANUFACTURER	NOTES
1	25 PERSON AQUATIC FIRST AID KIT	WATER SAFETY PRODUCTS	25 PERSON OSHA FIRST AID KIT TO INCLUDE BIOHAZARD COMPLIANCE RESPONSE AND CPR MICROMASK WITH NITRILE GLOVES
1	AUTOMATIC VACUUM CLEANING SYSTEM	MAYTRONICS	DOLPHIN WAVE 200XL AUTOMATIC CLEANER, RADIO REMOTE CONTROL, CADDY, MULTI-LAYER FILTER WITH TOP ACCESS, SIX (6) ACTIVE BRUSHES, SUCTION RATE: 9,000 GPH, 140 FT CORD, 3 YEAR WARRANTY
1	DEFIBRILLATOR	WATER SAFETY PRODUCTS	ZOLL AED PLUS DEFIBRILLATOR COMPLETE AED PACKAGE WITH CPR-D PADZ ELECTRODES, CPR HELP TECHNOLOGY WITH REAL-TIME DEPTH AND RATE CPR FEEDBACK, LITHIUM 123 BATTERIES WITH 5 YEAR SHELF LIFE, CARRYING CASE AND AED PRESCRIPTION
2	LIFE BUOY	WATER SAFETY PRODUCTS	30" DIA. MADE OF UNICELL SOFT FOAM WITH HARD SHELL COVERING. INCLUDE STAINLESS STEEL MOUNTING BRACKETS AND STAINLESS STEEL ANCHORS AND BOLTS. MOUNT UNIT ON WALL IN COORDINATION WITH OWNER
2	LIFE HOOK & RESCUE POLE	RECREONICS	FIBERGLASS POLE, WITH DOUBLE LIFE HOOK. PROVIDE 16-FOOT NON-TELESCOPING SECTIONS WITH 8 RUBBER END CAP. INCLUDE STAINLESS STEEL MOUNTING BRACKETS AND STAINLESS STEEL ANCHORS AND BOLTS. MOUNT UNIT ON WALL IN COORDINATION WITH OWNER
1	MANUAL VACUUM CLEANING SYSTEM	HAMMERHEAD	RESORT-21; (RESORT-30); 21"(30") VACUUM HEAD WITH (2) LARGE CAPACITY BAGS; 60 FOOT CORD, STAINLESS STEEL POLE SWIVEL MOUNT AND WELDED ALUMINUM CADDY W/ 20" WHEELS. PROVIDE WITH 12V DEEP CYCLE MARINE BATTERY, BATTERY CHARGER, AND 1 1/8" STANDARD POOL POLE.
8	RESCUE TUBE	WATER SAFETY PRODUCTS	50" LONG x 6" WIDE x 4" THICK. NO CLIPS, NO RINGS. 2" WIDE ADJUSTABLE SHOULDER STRAP. CONNECTED TO TUBE BY 1" STRAPPING. STRAPPING EXTENDS COMPLETELY THROUGH LENGTH OF TUBE.
1	SPINEBOARD W/ HEAD IMMOBILIZER	WATER SAFETY PRODUCTS	X-RAY TRANSLUCENT BACKBOARD WITH HEAD IMMOBILIZER AND BODY STRAPS. INCLUDE STAINLESS STEEL MOUNTING BRACKETS AND STAINLESS STEEL ANCHORS AND BOLTS. MOUNT UNIT ON WALL IN COORDINATION WITH OWNER
2	THROW LINE	WATER SAFETY PRODUCTS	60' MARINE POLYPROPYLENE LINE, WITH 5' x 5' LEMON FLOAT
1	WATER TEST KIT	TAYLOR "SERVICE COMPLETE"	FAS DPD CHLORINE KIT



TROY AQUATIC PARK MAINTENANCE IMPROVEMENTS

CITY OF TROY RECREATION

460 WEST STAUNTON DRIVE TROY, OHIO 45373

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NO.	DATE	ISSUED / REVISION
1	04/10/2026	BID SET
2	07/10/26	REBID SET

PROJECT NO. 25294

DRAWING TITLE:
OVERALL AQUATIC
PLAN

TROY AQUATIC PARK MAINTENANCE IMPROVEMENTS
CITY OF TROY RECREATION
460 WEST STAUNTON DRIVE TROY, OHIO 45373

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[illegible]

PROJECT NO. 2529
DRAWING TITLE:
DEMOLITION PLAN

D100

1. ALL CONDITIONS SHOWN ON THIS DRAWING ARE EXISTING. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR ACCURACY OR COMPLETENESS OF INFORMATION SHOWN. ORIGINAL CONTRACTOR DOCUMENTS SHALL BE KEPT IN THE FIELD OFFICE. OWNER'S FIELD OFFICE FOR REVIEW. CONTRACTORS ARE RESPONSIBLE TO VISIT THE SITE AND REVIEW ALL DOCUMENTS PRIOR TO SUBMITTING THEIR BID TO COMPLETELY FAMILIARIZE THEMSELVES WITH THE CONDITIONS.
2. DEMOLITION DRAWINGS ARE INTENDED TO BE SCHEMATIC IN NATURE, AND MAY NOT DESCRIBE ALL MISCELLANEOUS WORK NECESSARY TO COMPLETE THE DEMOLITION AND NEW WORK. CONTRACTOR SHALL INCLUDE ALL NECESSARY WORK IN BASE BID.
3. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING POOL EQUIPMENT AS INDICATED IN DEMOLITION KEYNOTES AND PLAN. SEE DRAWING NOTES FOR EQUIPMENT THAT SHALL BE REMOVED IN PLACE AND EQUIPMENT TO BE REMOVED AND REINSTALLED.
4. CONTRACTOR TO VERIFY ASBESTOS TEST REQUIREMENTS AND CONDUCT ANY REQUIRED REMEDIATION PRIOR TO ANY DEMOLITION WORK.
5. UNLESS NOTED OTHERWISE ON THE PLAN, CONTRACTOR SHALL DISPOSE OF ALL REMOVED EQUIPMENT AND MATERIALS IN A LEGAL MANNER OFF SITE, COPIES OF ALL MANIFESTS SHALL BE KEPT ON THE JOB SITE FOR INSPECTION.
6. CONTRACTOR SHALL MAINTAIN DUST CONTROL INSIDE AND OUTSIDE OF THE BUILDING AT ALL TIMES.
7. CONTRACTOR SHALL PROTECT ALL CATCH BASINS, SEWER INLETS, ETC., FROM DEBRIS AND SEDIMENTATION DURING DEMOLITION.
8. CONTRACTOR SHALL LIMIT DISRUPTION TO THE INDICATED WORK AREA, AND TAKE CARE TO MINIMIZE AND NOT DISTURB ADJACENT AREAS.
9. CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND TERMINATING EXISTING ELECTRICAL POWER, WATER, AND GAS LINES WITH LOCAL UTILITIES.
10. REFER TO ALL OTHER DRAWINGS FOR FURTHER DETAIL ON NEW CONSTRUCTION REQUIREMENTS.

A. **REMOVE:** REMOVE AND LEGALLY DISPOSE OF ITEMS EXCEPT THOSE IDENTIFIED TO BE REINSTALLED, SALVAGED, OR TO REMAIN THE OWNER'S PROPERTY.

B. **SALVAGE:** SALVAGE ITEMS IDENTIFIED TO BE SALVAGED. REMAIN THE OWNER'S PROPERTY. REMOVE, CLEAN, AND PACK OR CRATE ITEMS TO PROTECT AGAINST DAMAGE. IDENTIFY CONTENTS OF CONTAINERS AND DELIVER TO OWNER'S DESIGNATED STORAGE AREA.

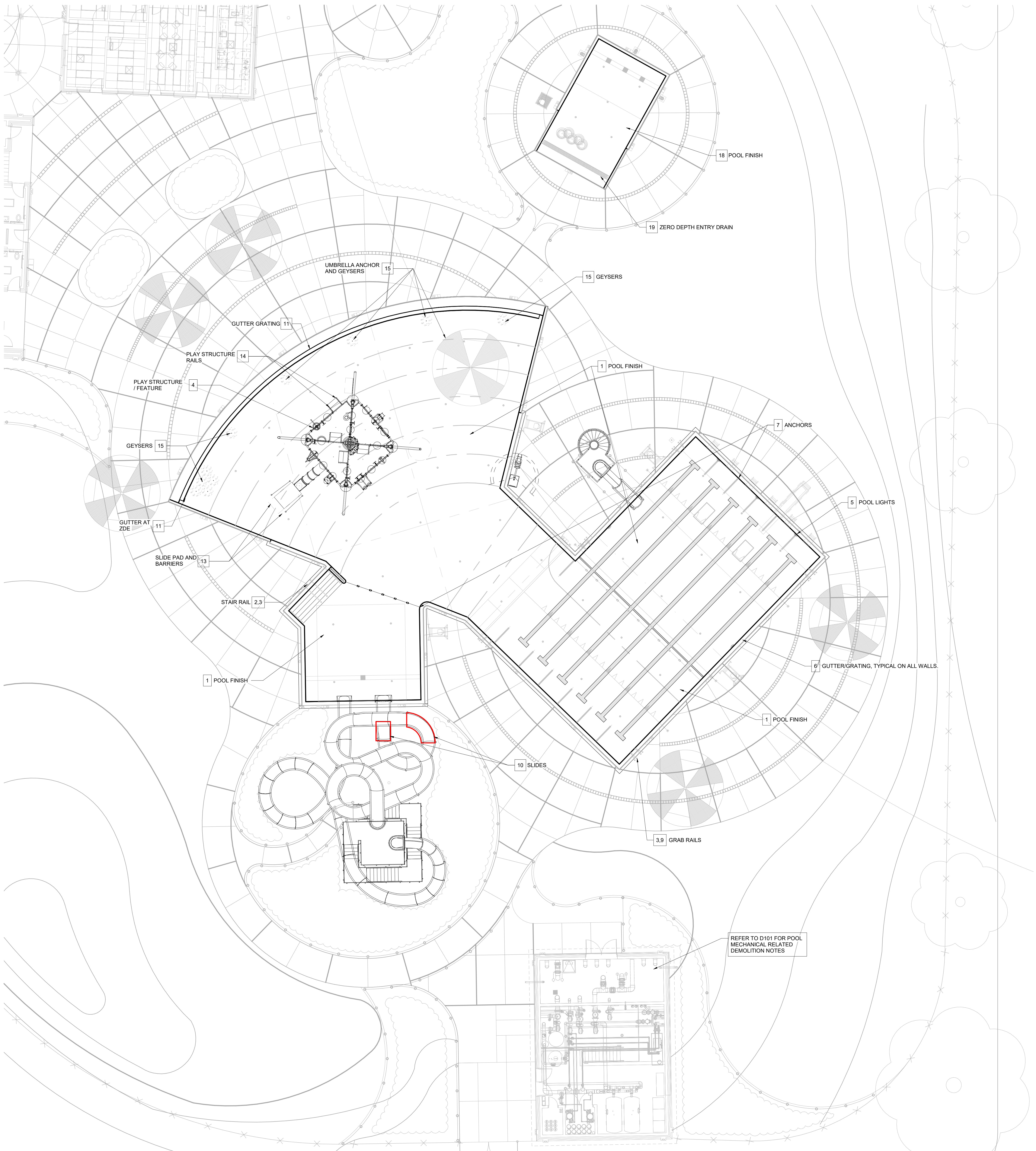
C. **REMOVE AND REINSTALL:** REMOVE ITEMS IDENTIFIED: CLEAN, SERVICE, AND OTHERWISE PREPARE THEM FOR REUSE. STORE AND PROTECT AGAINST DAMAGE. REINSTALL ITEMS IN THE SAME LOCATION OR IN LOCATIONS INDICATED.

D. **REMOVE AND REPAIR:** REMOVE ITEMS IDENTIFIED TO REMAIN AGAINST DAMAGE AND SOILING DURING SELECTIVE DEMOLITION, WHEN PERMITTED BY THE OWNER OR ARCHITECT, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION DURING SELECTIVE DEMOLITION AND THEN REINSTALLED IN THE SAME LOCATION.

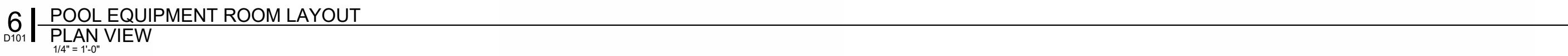
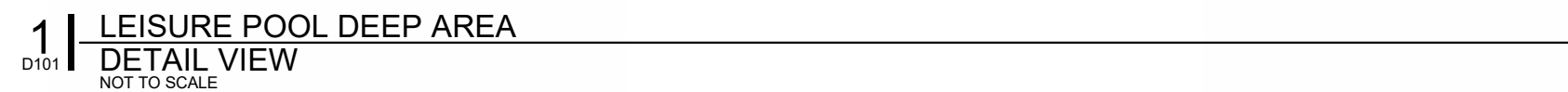
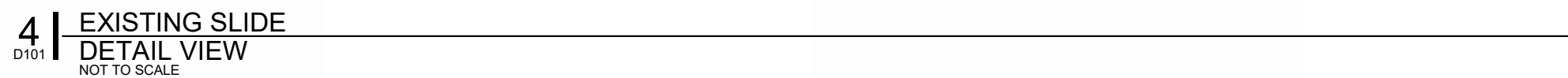
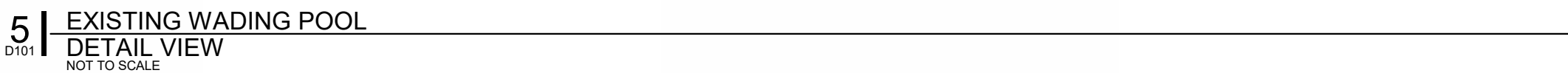
E. **ABANDON:** PERMANENTLY REMOVE FROM SERVICE AND MAINTAIN IN PLACE. FOR PIPING, ABANDONED PIPES SHALL BE BLOWN OUT, DISCONNECTED FROM OTHER PIPING AND DISCONNECTED FROM THE MAIN LINE. FOR ROOFING, DISCONNECTED PIPING SHALL BE ON BOTH ENDS. FOR PIPE PENETRATING FINISHED SURFACES, CUT BACK PIPE SUCH THAT CAPS ARE A MINIMUM OF 3' BELOW FINISHED SURFACE. COVER WITH NON-SHRINK, NON-METALLIC GROUT. DISCONNECTED FINISHED PIPING SHALL BE IDENTIFIED IN RECORD DRAWINGS PROVIDED BY THE CONTRACTOR.

1	REMOVE ALL EXISTING POOL FINISHES (FLOOR, STAIRS, AND ALL WALLS) INCLUDING CONTRASTING TILE AND LANE LINES/MARKERS. EXISTING COMPLIANT MINIMUM RADIUS REQUIREMENT TO BE MAINTAINED AT ALL WALL/FLOOR JOINTS DURING REMOVAL AND REINSTALLATION OF POOL FINISH. REMOVE TILE AND EPOXY DOWN TO BASE CONCRETE. SEE PHOTO 1&2/D101.
2	REMOVE AND REINSTALL HANDRAILS AT POOL STAIRS (QTY 4).
3	ALL ANCHORS FOR HANDRAILS AND LADDERS ARE EXISTING TO REMAIN.
4	REMOVE AND REINSTALL PLAY STRUCTURE AT ZERO DEPTH ENTRY AS NEEDED TO PROPERLY REMOVE AND REINSTALL POOL FINISH. ALL COMPONENTS OF THE PLAY STRUCTURE THAT ARE REMOVED SHALL BE STORED AND PROTECTED BY THE CONTRACTOR FOR REINSTALLATION.
5	REMOVE AND REINSTALL ALL UNDERWATER POOL LIGHT ASSEMBLIES (QTY 5) AS REQUIRED FOR REMOVAL AND INSTALLATION OF NEW POOL FINISH.
6	REMOVE EXISTING GUTTER GRATING. EXISTING CONCRETE GUTTER TO REMAIN. SEE PHOTO 1&2/D101.
7	EXISTING LANE LINE ANCHORS AND SAFETY ROPE ANCHORS TO REMAIN.
8	NOTE REMOVED
9	REMOVE AND REINSTALL ALL GRAB RAILS AT LAP POOL AREA (QTY 5).
10	REMOVE (2) EXISTING FLUME SECTIONS AT BODY SLIDE AS INDICATED AND REPLACE WITH NEW. REPLACED FLUME SECTIONS TO HAVE MATCHING FINISH TO REST OF SLIDE.
11	REMOVE EXISTING GUTTER GRATING AT ZERO DEPTH ENTRY AREA. REPLACE WITH NEW GUTTER GRATING PER DETAIL 2/PL101.
12	NOTE REMOVED
13	REMOVE EXISTING SLIDE EXIT PAD AND BARRIERS.
14	REMOVE EXISTING HANDRAILS AT PLAY STRUCTURE STAIRS (BOTH SIDES).
15	GEYSERS AND UMBRELLA ANCHOR IN ZERO DEPTH AREA ARE EXISTING TO REMAIN DURING FINISH REMOVAL & REPLACEMENT.

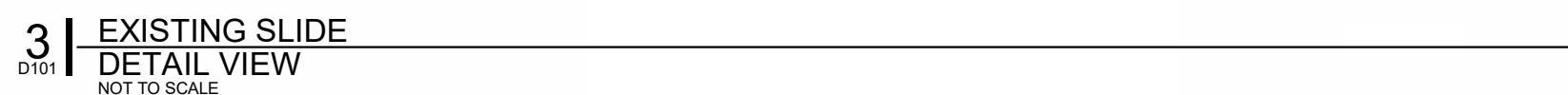
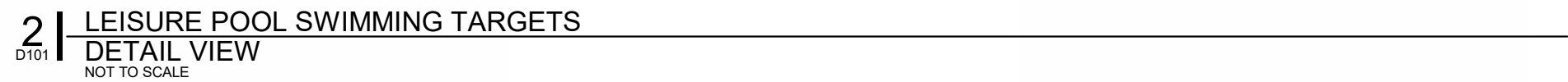
18	REMOVE ALL EXISTING POOL FINISHES (FLOOR AND ALL WALLS) INCLUDING CONTRASTING TILE AND DEPTH MARKERS. TILE ON TOP OF POOL WALL AT ZERO DEPTH AREA TO BE REMOVED AND REPLACED WITH NEW. REMOVE TILE AND EPOXY DOWN TO BASE CONCRETE. SEE PHOTO 5/D101.
19	ZERO DEPTH ENTRY DRAIN GRATING IS EXISTING TO REMAIN. SEE PHOTO 4/D101.



1 | **DEMOLITION**
D100 | **PLAN VIEW**
3/32" = 1'-0"



1	REMOVE EXISTING FILTER FOR POOL B (WADING POOL) AND ASSOCIATED FACE PIPING AS REQUIRED FOR REPLACEMENT.
2	REMOVE EXISTING CHLORINE FEEDERS FOR POOLS A AND B (LEISURE POOL AND WADING POOL). EXISTING PIPING TO BE PROTECTED AND RECONNECTED TO NEW FEEDERS FOLLOWING INSTALLATION.
3	REMOVE EXISTING GEYSER PUMP AND PUMP PAD. REMOVE PIPING AS REQUIRED FOR INSTALLATION OF NEW PUMP AND STRAINER ASSEMBLY.
4	REMOVE EXISTING PLAY STRUCTURE PUMP, PUMP PAD AND STRAINER ASSEMBLY. PROTECT EXISTING PIPING AND RECONNECT FOLLOWING INSTALLATION OF NEW PUMP AND STRAINER.
5	REMOVE EXISTING DAMAGED OVERHEAD PIPING AS INDICATED ON PL400.
6	REMOVE EXISTING DROP SLIDE PUMP AND PUMP PAD. REMOVE PIPING AS REQUIRED FOR INSTALLATION OF NEW PUMP AND PAD ASSEMBLY.
7	REMOVE EXISTING POOL HEATER AND ASSOCIATED VENTING DUCT. REMOVE POOL PIPING AS REQUIRED FOR INSTALLATION OF NEW HEATER.
8	REMOVE EXISTING CHEMICAL CONTROLLERS FOR POOLS A AND B

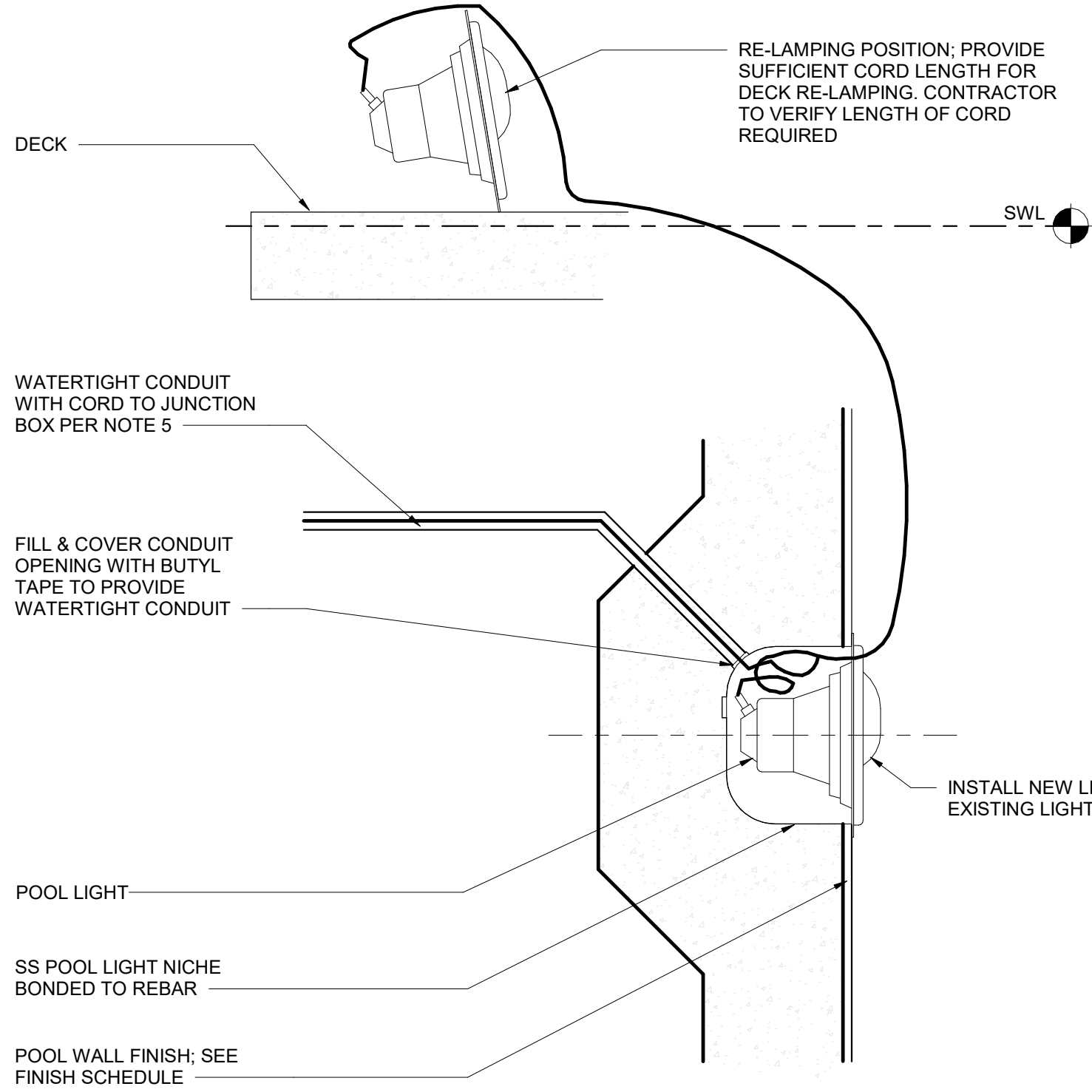


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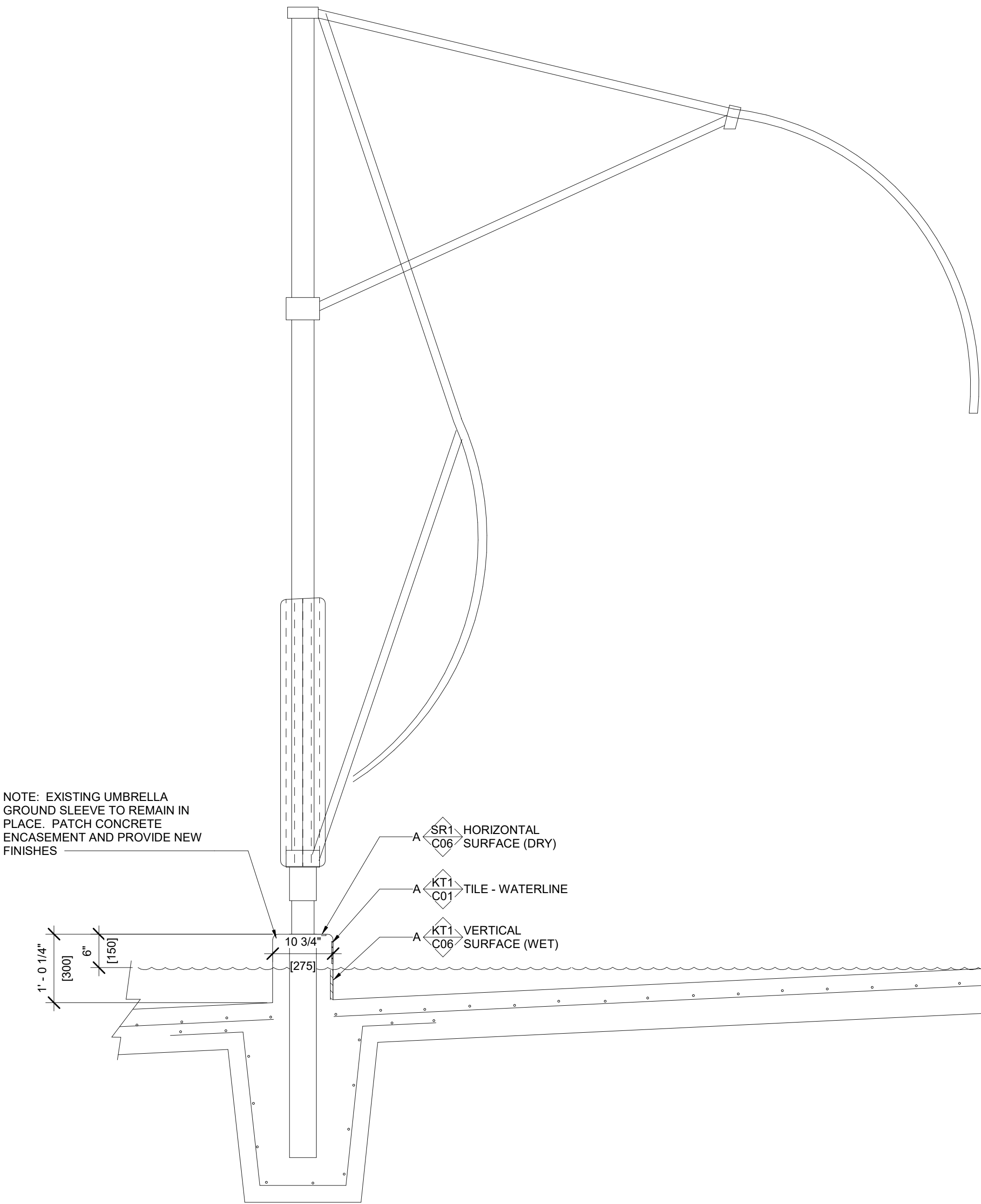
PROJECT NO. **25294**

DRAWING TITLE:
**DEMOLITION
DETAILS**

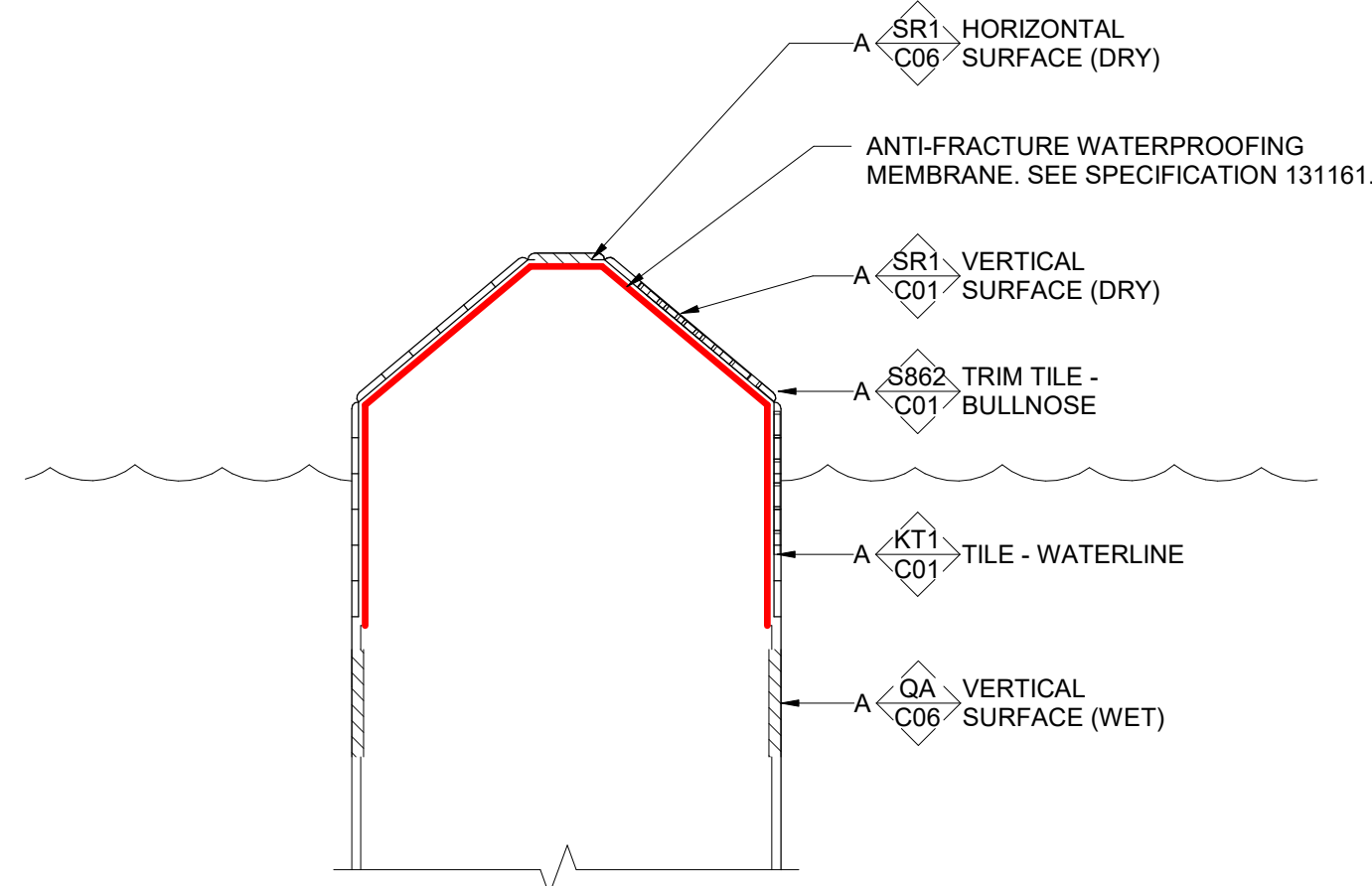


- NOTES:**
1. POOL LIGHTS AT LOCATIONS AS INDICATED ON PLAN BY THIS SYMBOL.
 2. LIGHT FIXTURES WITH CORD AND CONDUIT ATTACHED ARE FURNISHED AS SPECIFIED BY THE POOL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL OTHER ELECTRICAL MATERIALS (WATERTIGHT CONDUIT, JUNCTION BOXES, SWITCHES, ETC) ARE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR PER NEC CODE ARTICLE 680. POOL LIGHTS SHALL BE GFI PROTECTED PER NEC ARTICLE 680.

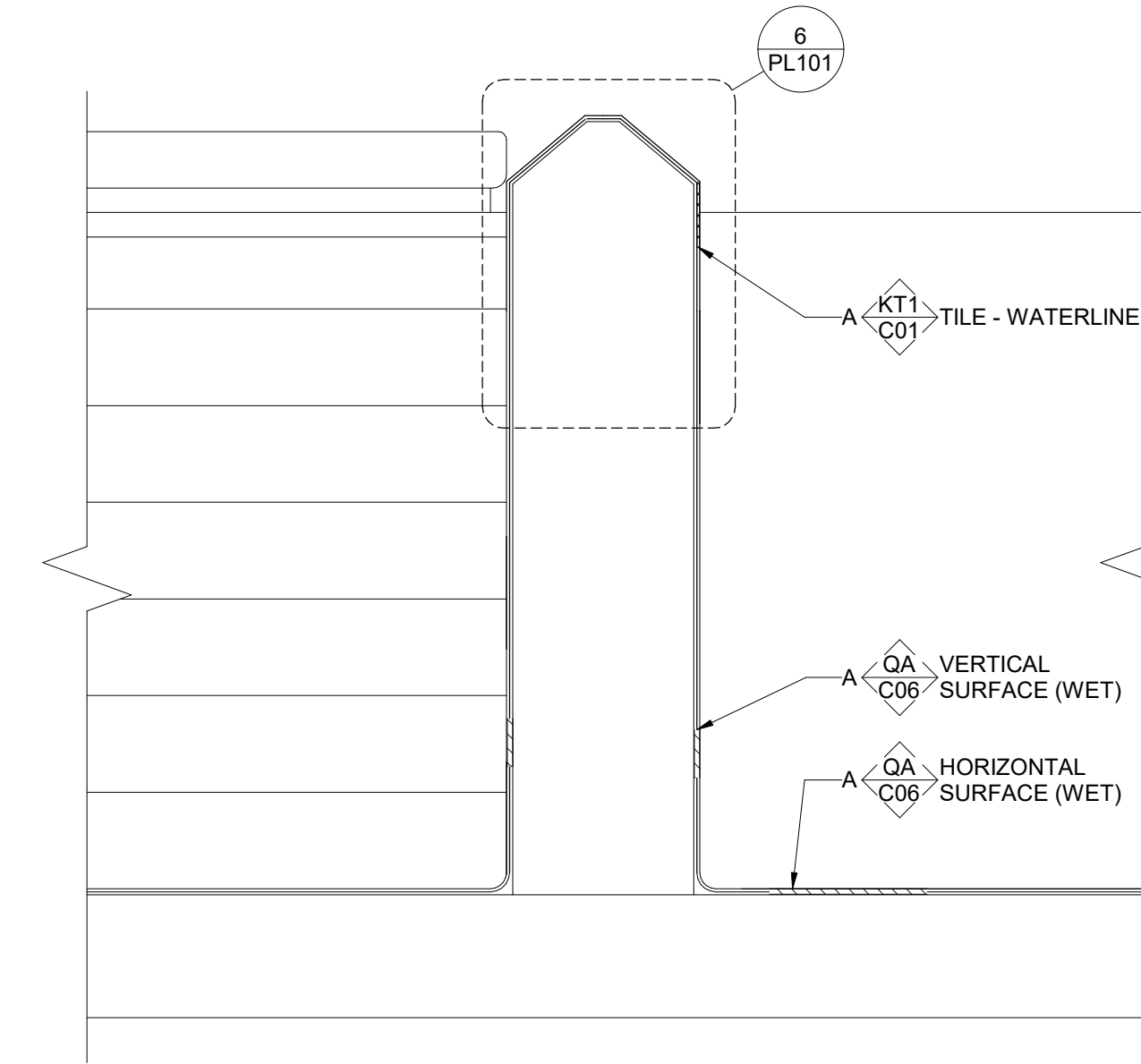
9 | FLUSH MOUNT POOL LIGHT
DETAIL VIEW
1 1/2" = 1'-0"



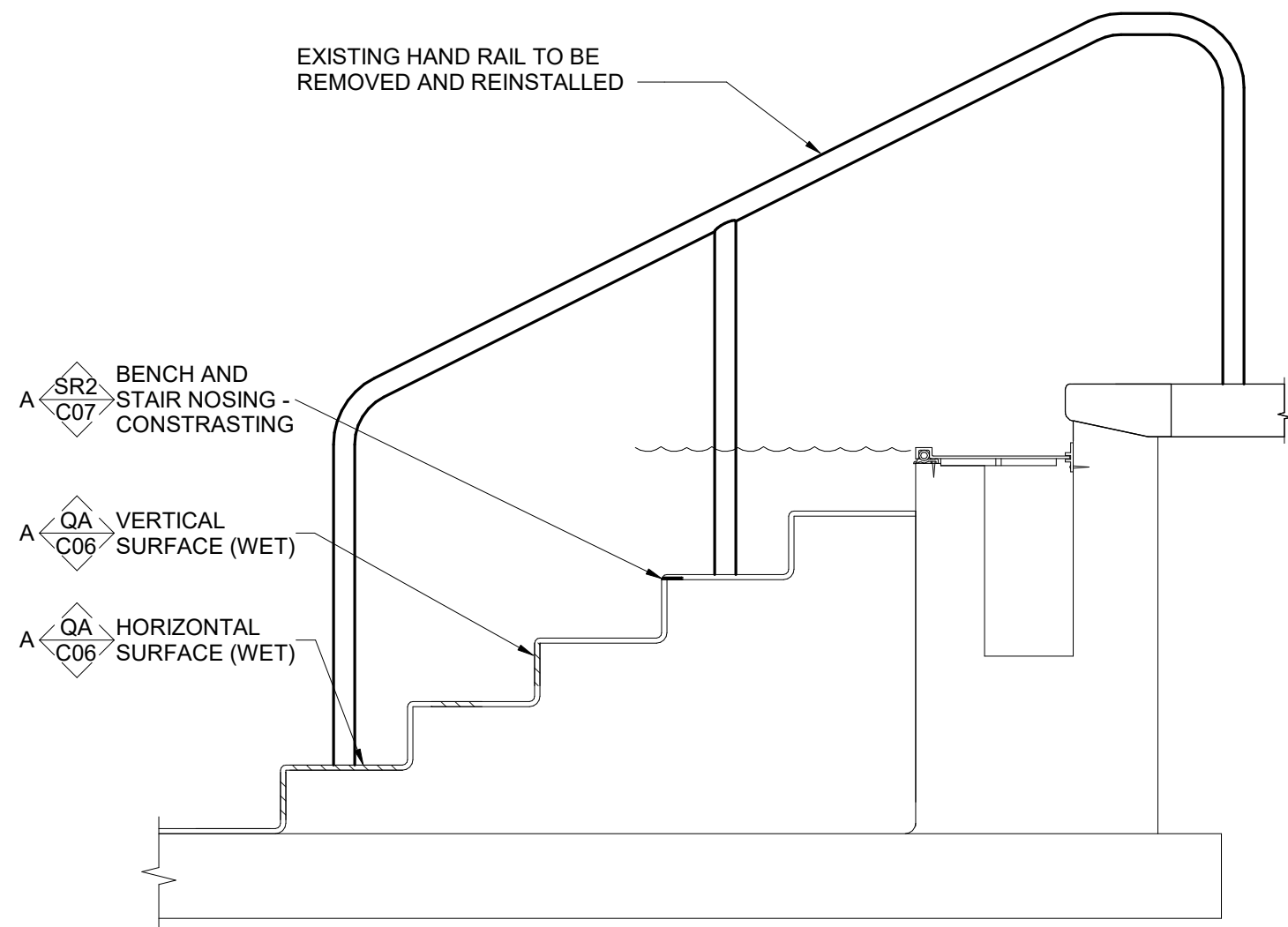
10 | UMBRELLA GROUND SLEEVE
DETAIL VIEW
3/4" = 1'-0"



6 | COMMON WALL FINISH
DETAIL VIEW
NOT TO SCALE



7 | COMMON WALL
DETAIL VIEW
NOT TO SCALE

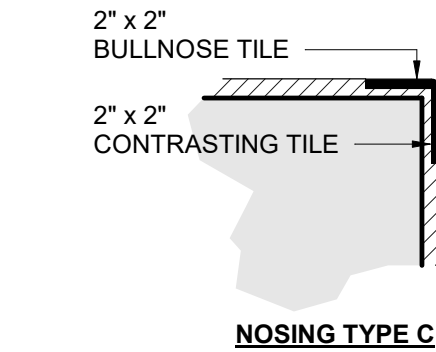


8 | POOL STAIRS
DETAIL VIEW
NOT TO SCALE

LEGEND - FINISHES & COLOR CODES - POOL A						
AREA	FINISH ID	FINISHES	FINISH	COLOR ID	COLORS	COLOR
BENCH AND STAIR NOSING - CONTRASTING	SR2	2"x2" SLIP RESISTANT TILE		C07		CONTRASTING TO POOL FINISH
CONTRASTING TILE BAND	SR1	1"x1" SLIP RESISTANT TILE		C07		CONTRASTING TO POOL FINISH
DEPTH MARKERS - DECK	SR3	6"x6" SLIP RESISTANT TILE		C03		BLACK ON WHITE
DEPTH MARKERS - NO DIVING	SR3	6"x6" SLIP RESISTANT TILE		C04		BLACK AND RED ON WHITE
DEPTH MARKERS - WALL	CT1	6"x6" CERAMIC TILE		C03		BLACK ON WHITE
HORIZONTAL SURFACE (DRY)	SR1	1"x1" SLIP RESISTANT TILE		C06		LIGHT COLOR
HORIZONTAL SURFACE (WET)	QA	QUARTZ AGGREGATE		C06		LIGHT COLOR
LANE MARKERS - FLOOR	SR1	1"x1" SLIP RESISTANT TILE		C07		CONTRASTING TO POOL FINISH
LANE MARKERS - WALL	SR1	1"x1" SLIP RESISTANT TILE		C07		CONTRASTING TO POOL FINISH
TILE - WATERLINE	KT1	1"x1" KEYSTONE TILE		C01		AS SELECTED BY ARCHITECT
TRIM TILE - BULLNOSE	S862	1"x1" S-862 BULLNOSE TRIM TILE		C01		AS SELECTED BY ARCHITECT
VERTICAL SURFACE (DRY)	EP	EPOXY PAINT		C01		AS SELECTED BY ARCHITECT
VERTICAL SURFACE (WET)	SR1	1"x1" KEYSTONE TILE		C01		AS SELECTED BY ARCHITECT
VERTICAL SURFACE (WET)	KT1	1"x1" KEYSTONE TILE		C06		LIGHT COLOR
VERTICAL SURFACE (WET)	QA	QUARTZ AGGREGATE		C06		LIGHT COLOR

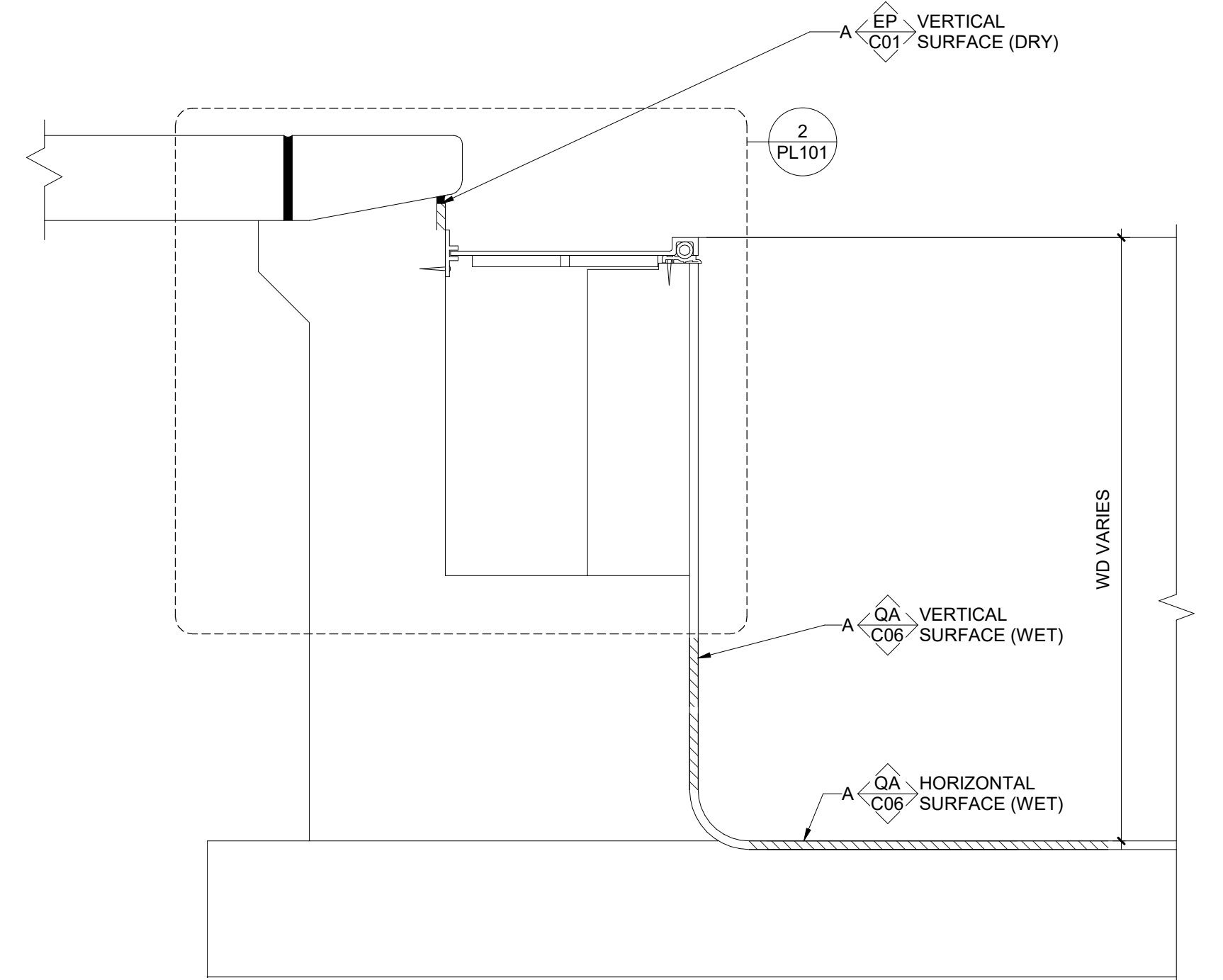
LEGEND - FINISHES & COLOR CODES - POOL B						
AREA	FINISH ID	FINISHES	FINISH	COLOR ID	COLORS	COLOR
DEPTH MARKERS - DECK	SR3	6"x6" SLIP RESISTANT TILE		C03		BLACK ON WHITE
DEPTH MARKERS - NO DIVING	SR3	6"x6" SLIP RESISTANT TILE		C04		BLACK AND RED ON WHITE
DEPTH MARKERS - WALL	CT1	6"x6" CERAMIC TILE		C03		BLACK ON WHITE
HORIZONTAL SURFACE (DRY)	SR1	1"x1" SLIP RESISTANT TILE		C06		LIGHT COLOR
HORIZONTAL SURFACE (WET)	QA	QUARTZ AGGREGATE		C06		LIGHT COLOR
TILE - WATERLINE	KT1	1"x1" KEYSTONE TILE		C01		AS SELECTED BY ARCHITECT
VERTICAL SURFACE (WET)	QA	QUARTZ AGGREGATE		C06		LIGHT COLOR

- FINISH NOTES:**
1. FINISHES PER SCHEDULE UNLESS OTHERWISE INDICATED.
 2. VERTICAL SURFACE (WET) AND HORIZONTAL SURFACE (WET) SHALL BE AT LEAST 6.5 ON THE MUNSELL COLOR VALUE SCALE. CONTRASTING COLORS SHALL HAVE A MUNSELL VALUE OF 0 TO 4.
 3. ALL HORIZONTAL SURFACES MUST BE SLIP RESISTANT AND COMPLY WITH THE ANSI A137.1 AND ANSI A328.3 STANDARD USING THE ANSI A328.3 DYNAMIC COEFFICIENT OF FRICTION (DCOF) TESTING METHOD:
3A. ON WET LEVEL SURFACES ($\leq 2\%$), PROVIDE A WET DCOF ≥ 0.42 .
3B. ON WET SLOPED SURFACES ($> 2\%$), PROVIDE A WET DCOF ≥ 0.65 .
 4. DESIGN WATERLINE SHALL HAVE A MAXIMUM CONSTRUCTION TOLERANCE WHEN FINISHED OF $\pm 1/4"$ FOR POOLS AND SPAS WITH ADJUSTABLE SURFACE SKIMMING, AND $\pm 1/8"$ FOR POOLS AND SPAS WITH NONADJUSTABLE SURFACE SKIMMING.
 5. REPLACE TILE WITH NEW WITH EPOXY SETTING MATERIALS & GROUT. USE FACE MOUNTED TILE. SEE POOL TILE SPECIFICATION (13 11 61) 3.04 POOL CERAMIC TILE INSTALLATION) FOR INFORMATION REGARDING WATERPROOFING MEMBRANE INSTALLATION BENEATH POOL TILE.

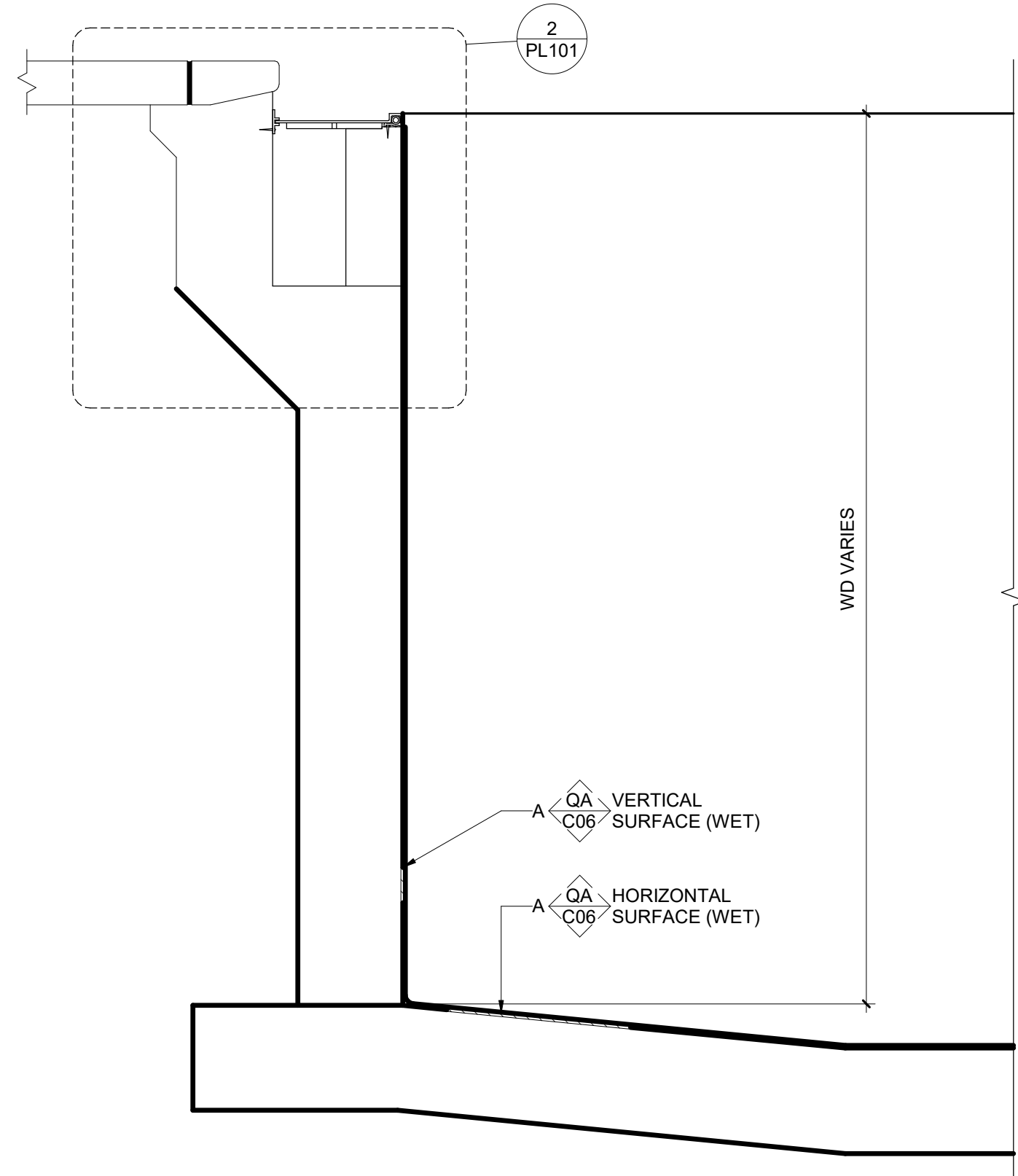


NOSING TYPE C

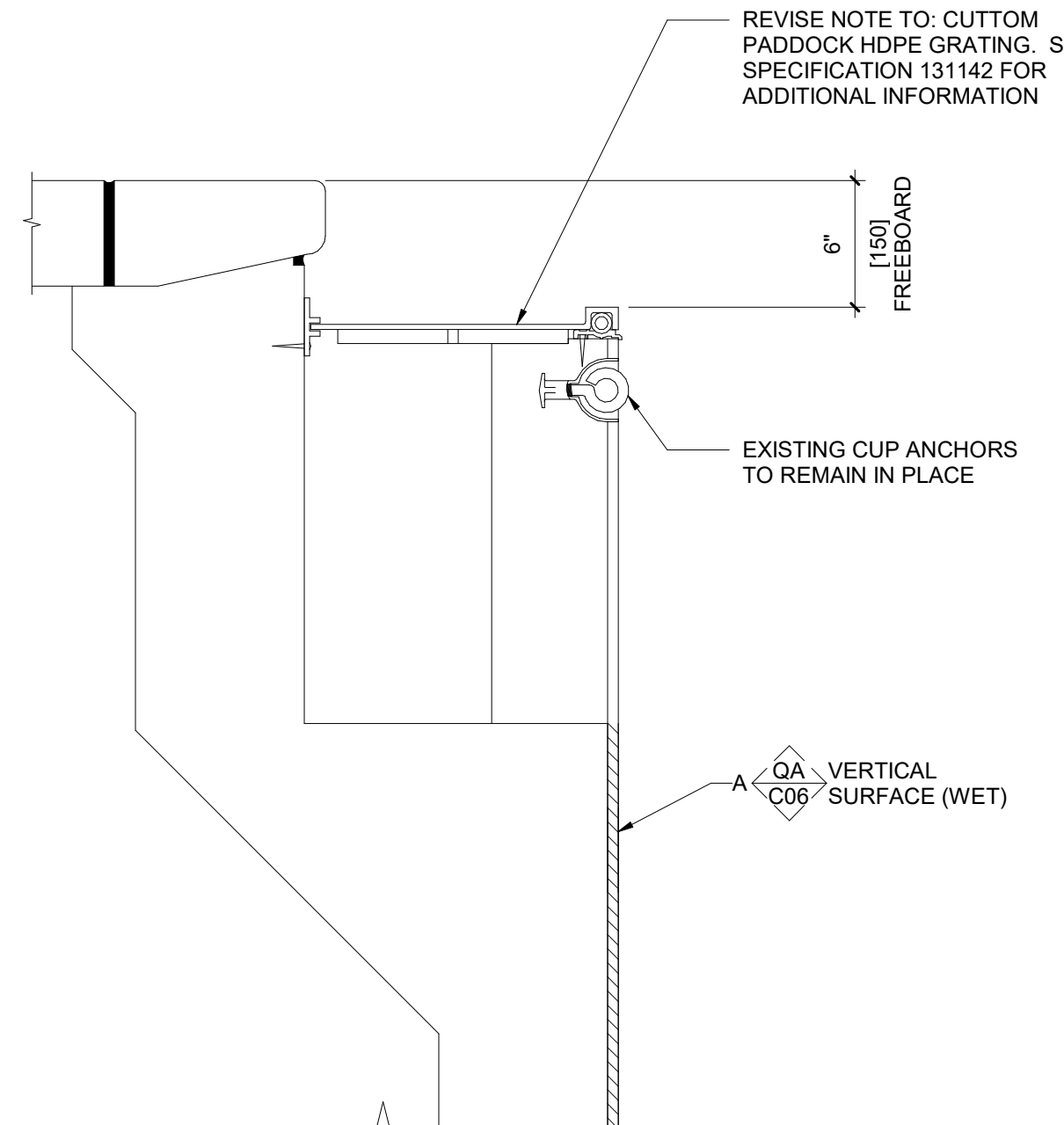
1 | BENCH AND STAIR NOSING CONTRASTING
DETAIL VIEW
NOT TO SCALE



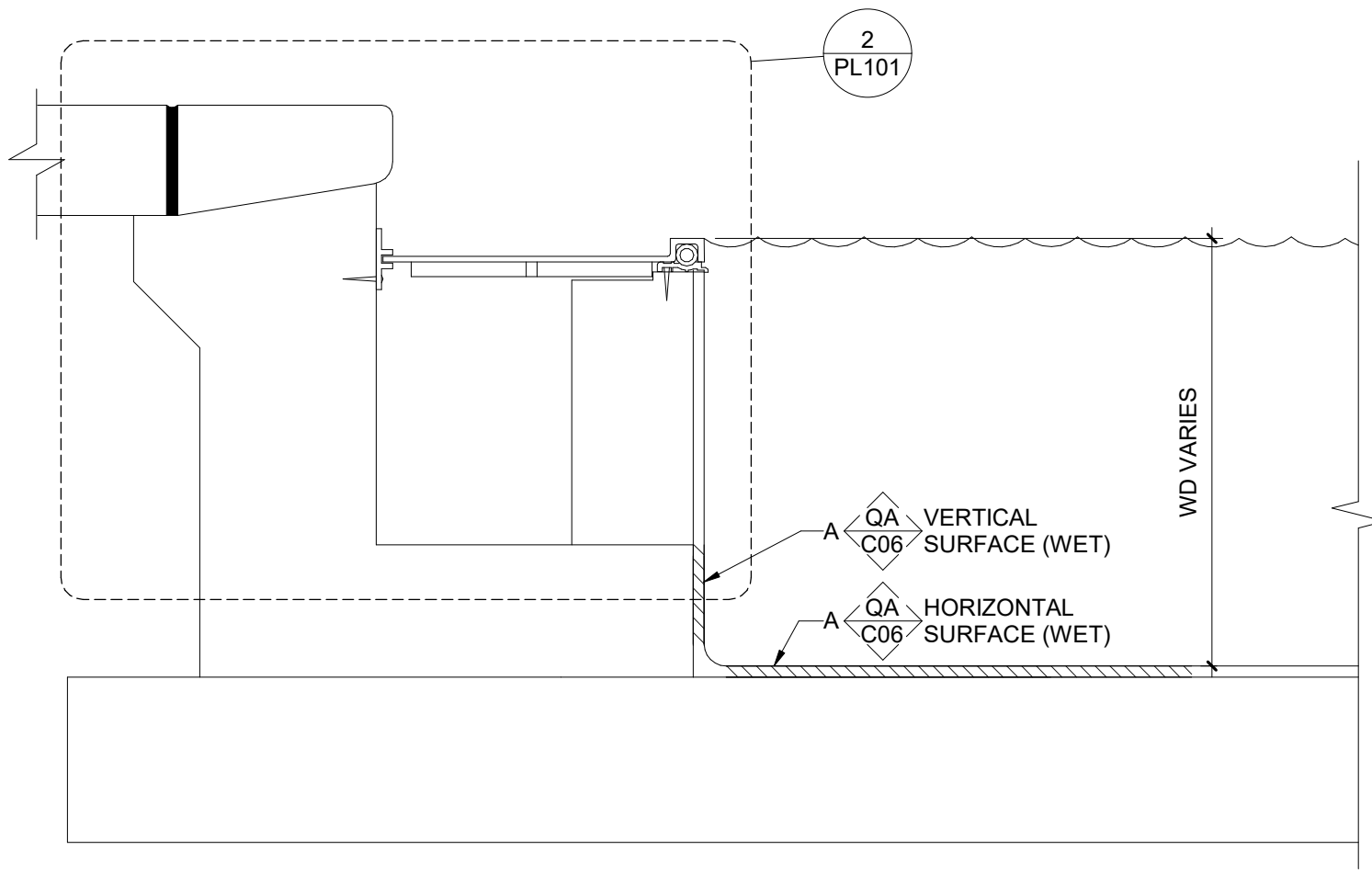
4 | STANDARD GUTTER WALL
DETAIL VIEW
NOT TO SCALE



5 | DEEP END GUTTER WALL
DETAIL VIEW
NOT TO SCALE



2 | POOL GUTTER WALL FINISH
DETAIL VIEW
NOT TO SCALE



3 | SHALLOW GUTTER WALL
DETAIL VIEW
NOT TO SCALE



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TROY AQUATIC PARK MAINTENANCE IMPROVEMENTS

CITY OF TROY RECREATION

460 WEST STAUNTON DRIVE TROY, OHIO 45373

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NO.	DATE	ISSUED / REVISION
1	04/10/2026	BID SET
2	07/10/2026	REBID SET

PROJECT NO. 25294

DRAWING TITLE:
GENERAL DETAILS
AND SCHEDULES

PL101

TROY AQUATIC PARK MAINTENANCE IMPROVEMENTS
CITY OF TROY RECREATION
460 WEST STAUNTON DRIVE TROY, OHIO 45373

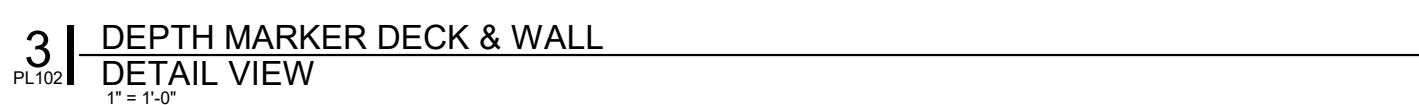
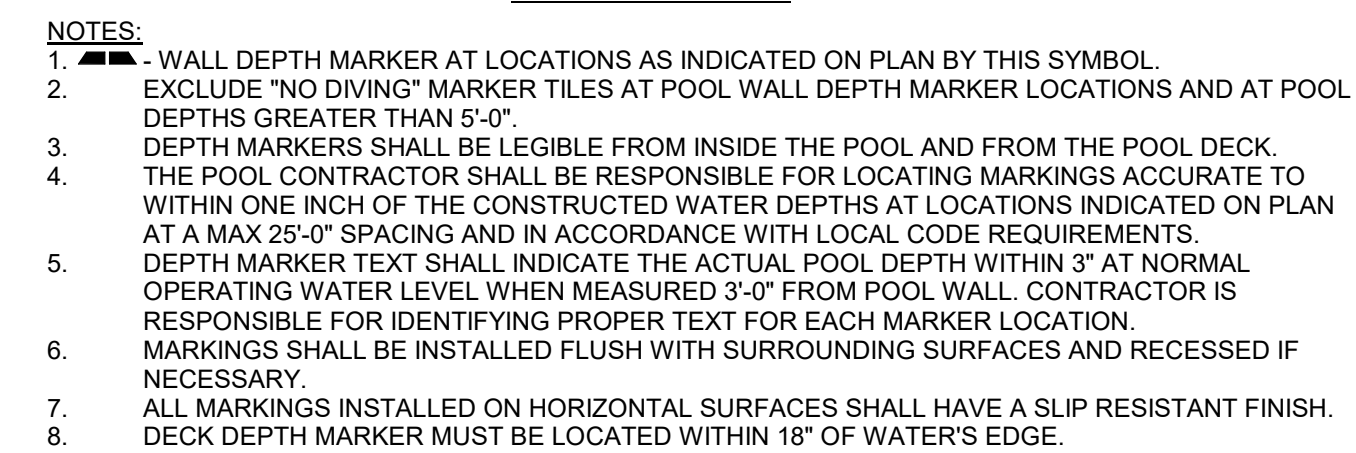
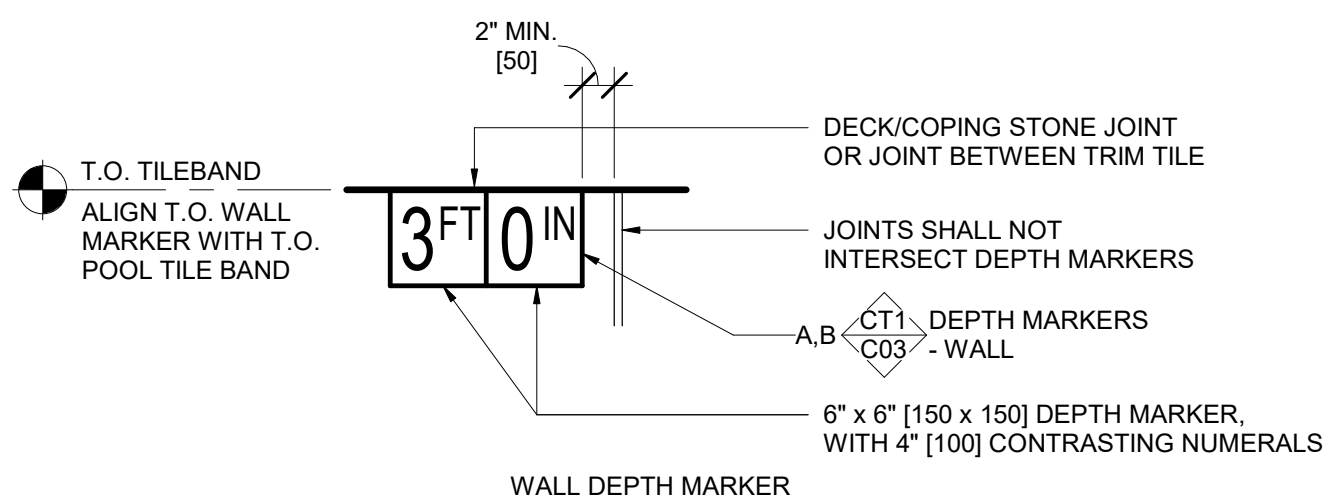
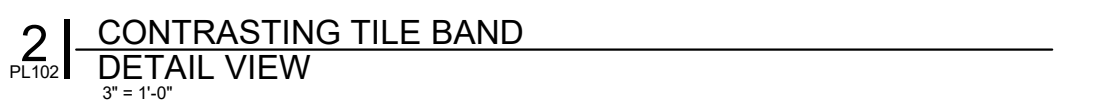
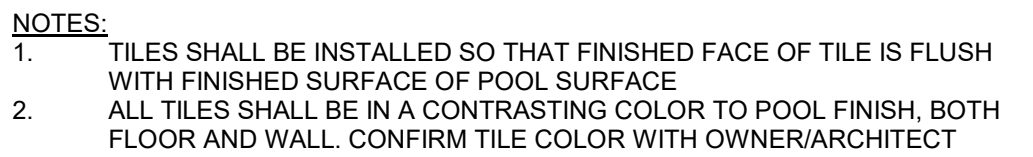
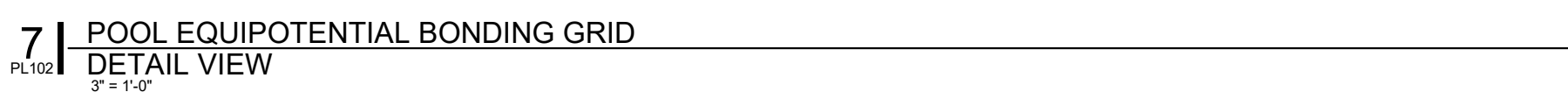
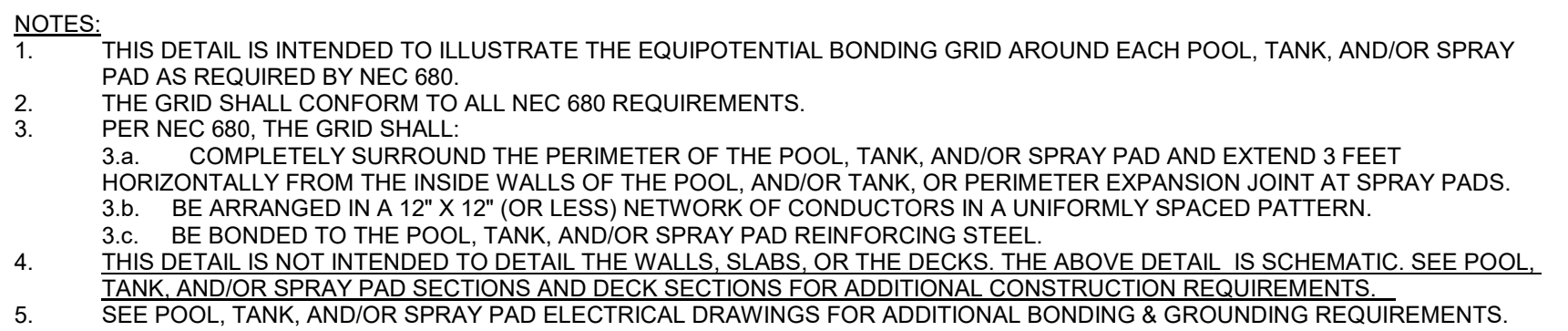
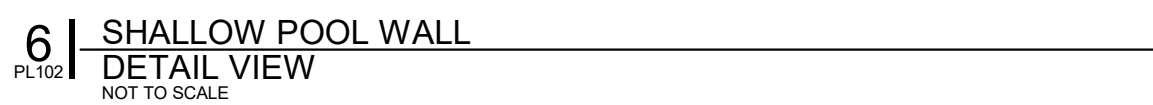
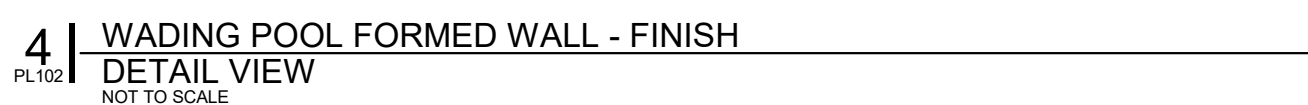
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PROJECT NO. 25294

DRAWING TITLE:
GENERAL DETAILS

PL102

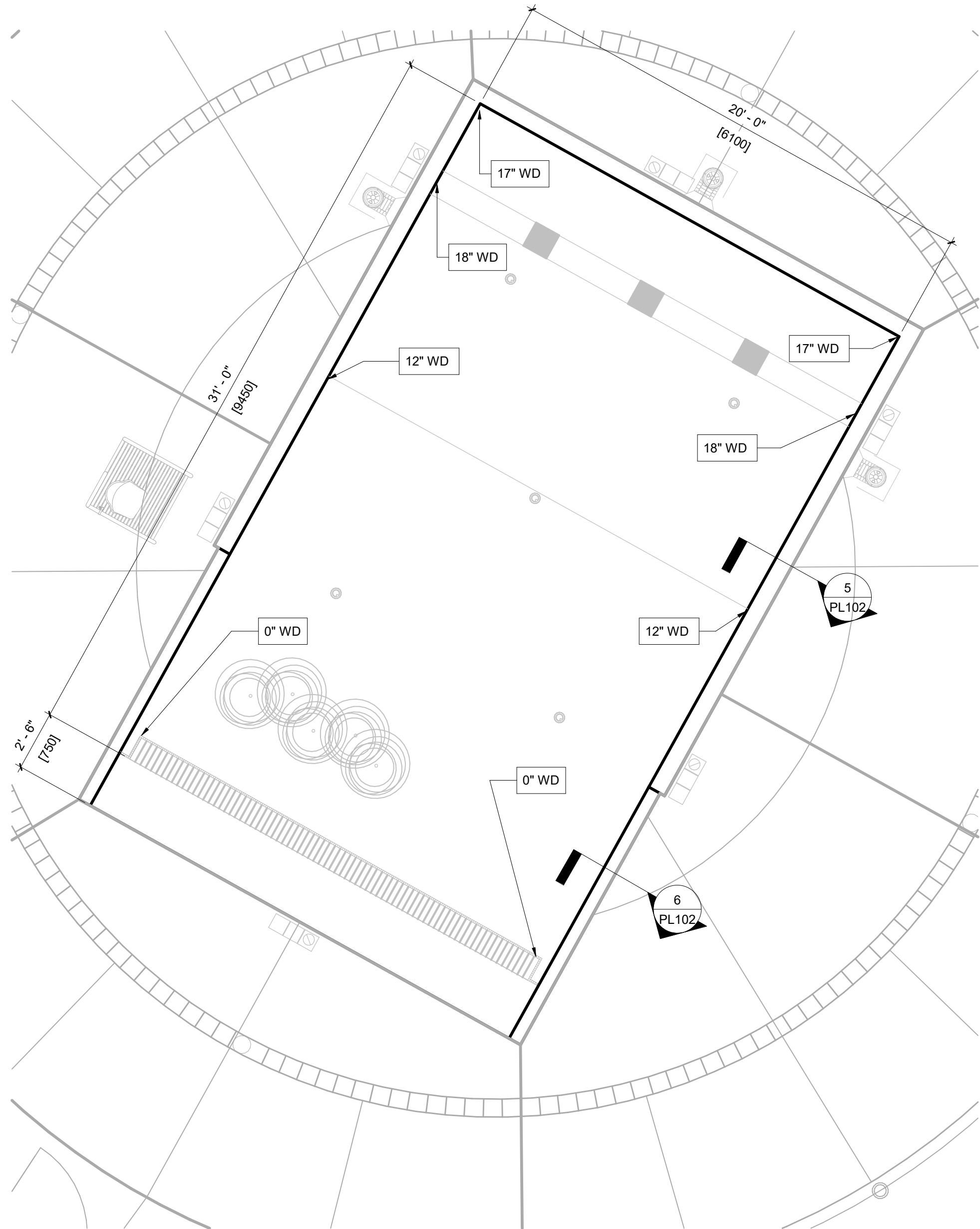


POOL LIFT TO
BE PROVIDED AND
INSTALLED BY
CONTRACTOR

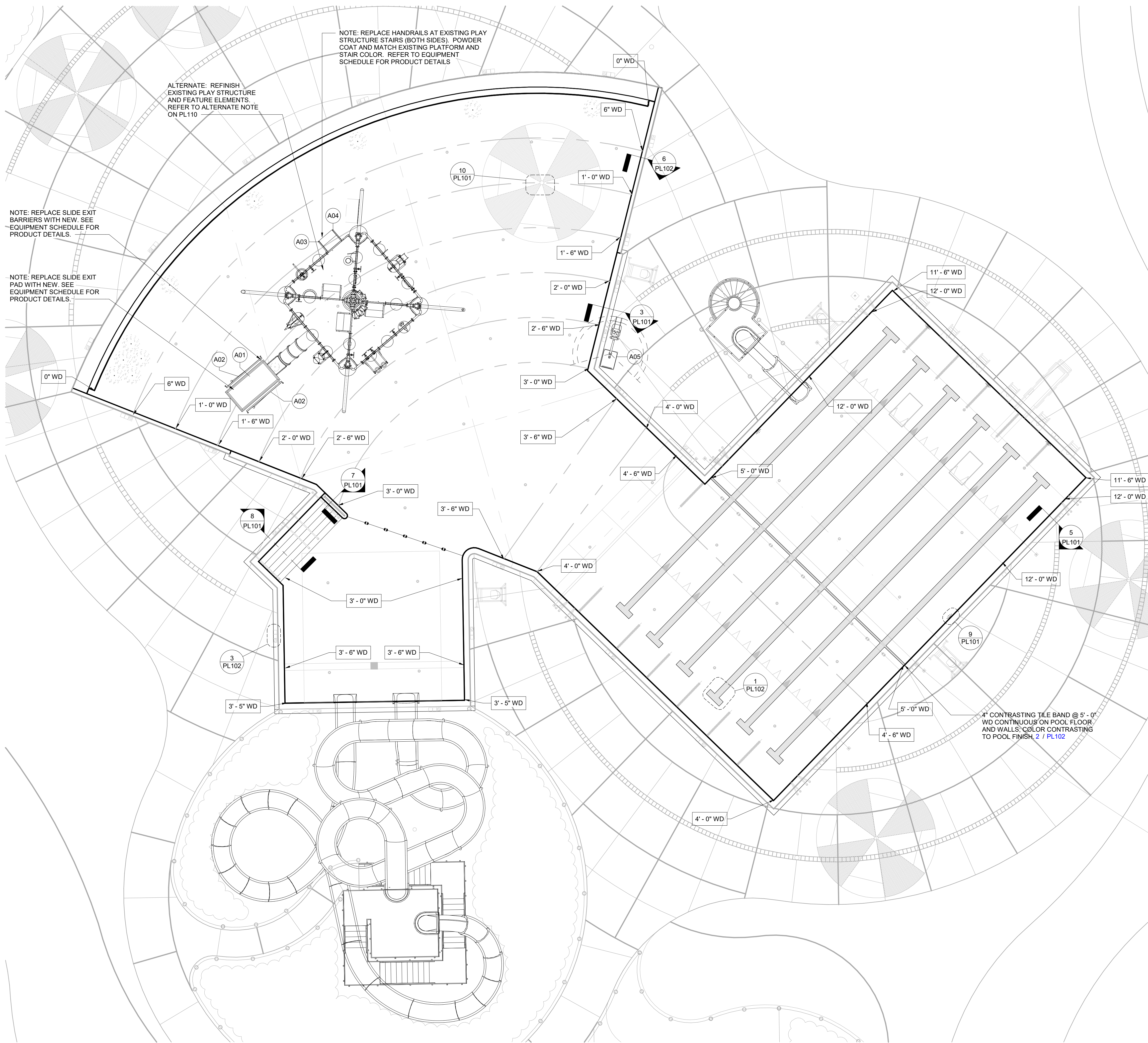
POOL DATA - POOL B (EXISTING POOL)		
DESCRIPTION	QTY	UNITS
WATER SURFACE AREA	600	SQUARE FEET
POOL VOLUME	3,871	GALLONS
TURNOVER	30	MINUTES
TOTAL CIRCULATION FLOW	130	GPM
FILTRATION RATE	11.01	GPM/SF

1. REFINISH EXISTING PLAY STRUCTURE AT ZERO DEPTH ENTRY. CLEAN, PREP SURFACE AND APPLY NEW UV RESISTANT COATING ON ALL PLAY STRUCTURE ELEMENTS INCLUDING STRUCTURE SUPPORTS AND DECKING

1. PREP AND APPLY NEW INTERIOR GEL COAT AND EXTERIOR UV RESISTANT PAINT AT EXISTING (3) EXISTING SLIDE FLUMES (BUDY SLIDE, TUBE SLIDE AND DROP SLIDE). SEE SPECIFICATION 13 14 1 SLIDE REFINISH FOR ADDITIONAL DETAILS.



2 | POOL B - EXISTING WADING POOL
PL110 | PLAN VIEW
1/4" = 1'-0"



1 | POOL A - EXISTING LEISURE POOL
PL110 | PLAN VIEW
1/8" = 1'-0"

1. ALL DIMENSIONS ARE SHOWN FROM POOL FINISH TO POOL FINISH (THIS SHEET)
2. DIMENSIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND ARE APPROXIMATE IN NATURE. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS PRIOR TO AND REQUIRED FOR FABRICATION OF ANY POOL RELATED COMPONENTS.



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DRAWING TITLE:
POOL DIMENSION
PLANS

PL110

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DRAWING TITLE:
STRUCTURAL
DETAILS

PL210



EQUIPMENT SCHEDULE - POOL B			
ID	ITEM	QTY	MANUFACTURER
F1B	FILTER	1	NEPTUNE BENSON
H1B	HEATER	1	LOCHINVAR
C1B	CHEMICAL CONTROLLER	1	HAYWARD
CF1B	CHLORINE FEEDER	1	AXIALL

LEGACY SERIES, MODEL 48MCF-C-3, 11.8 SF OF SURFACE AREA, 11.01 GPMCF: PROVIDE WITH NEW MULTIPOURT VALVE.

ENERGYRITE ERN202, 199,999 BTU/HOUR INPUT, 0.75" GAS CONNECTION, 2" WATER CONNECTION, 5" DIAMETER FLUE, CUPRO NICKEL HEAT EXCHANGER, MANUAL RESET HIGH LIMIT AND MULTI-STACK STAND, PROVIDE A.S.M.E. CONSTRUCTION, PRESSURE RELIEF VALVE, FLOW SWITCH, OPTIONAL PUMP ON/OFF RELAY, AND ALL SAFETY DEVICE PACKAGES PER STATE AND LOCAL CODES.

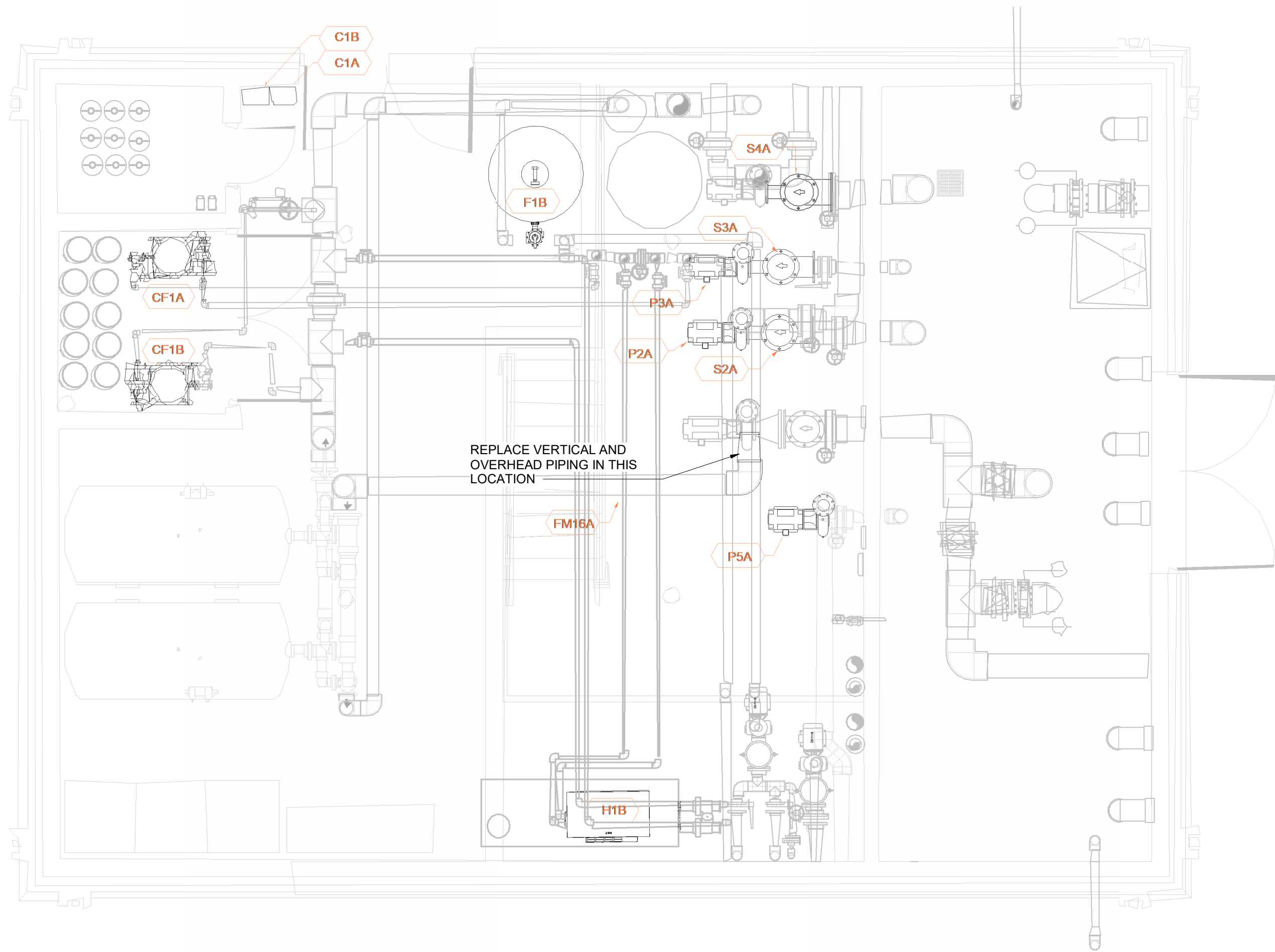
CAT 4000 SEE SPECIFICATIONS

ACCUTAB CHLORINATION SYSTEM, POWERBASE 3140AT CHLORINATOR, FEEDS UP TO 22 LBS/HR CALCIUM HYPOCHLORITE, 140 LBS TABLET STORAGE, 120V, 2" CONNECTIONS, USE ACCUTAB BLUE SI TABLETS (CALCIUM HYPOCHLORITE) FOR DISINFECTANT.

INTERLOCK THE CHEMICAL CONTROLLER WITH THE FILTRATION PUMP TO DISABLE ALL CHEMICAL FEEDING WHEN PUMP IS OFF, LOSES POWER, OR IS IN BACKWASH MODE. SEE PL501 AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.

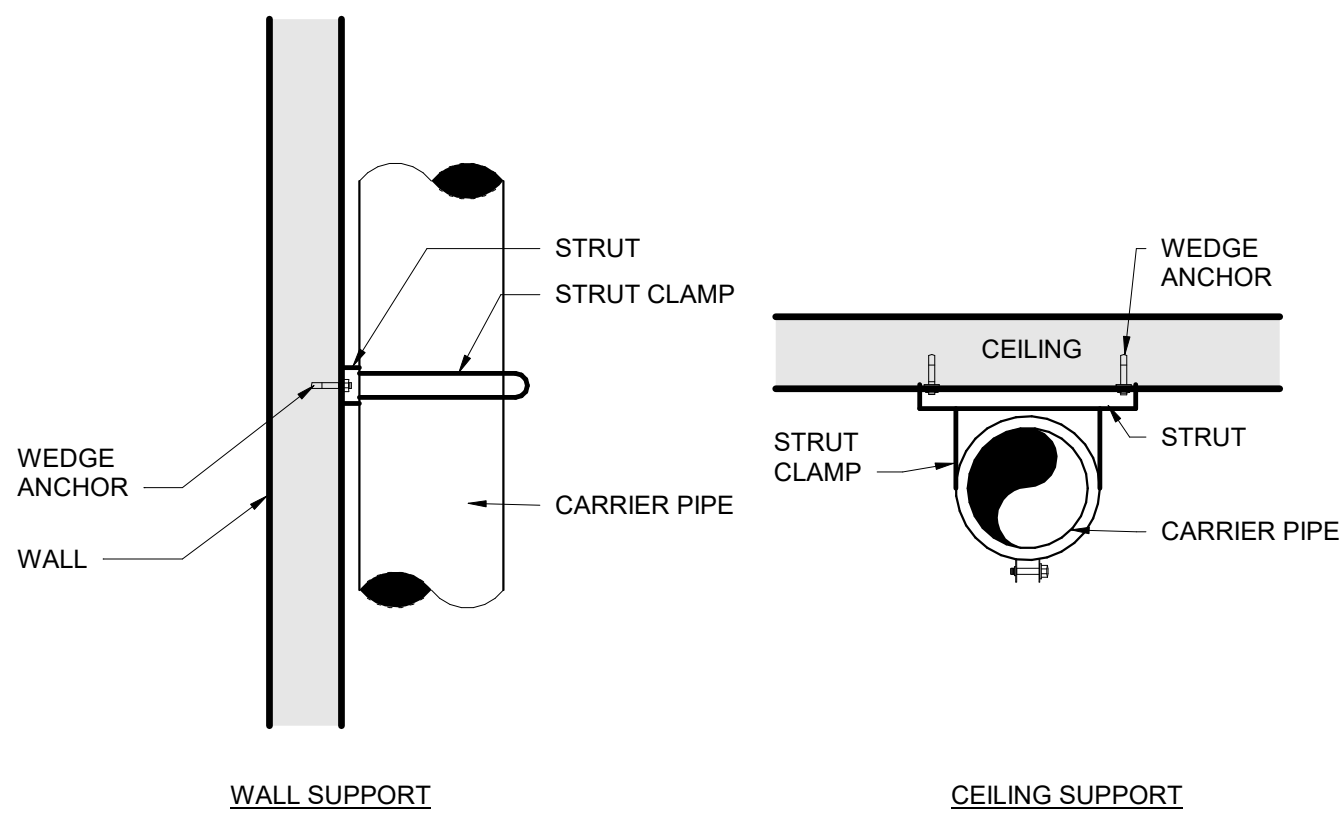
EQUIPMENT SCHEDULE - POOL A			
ID	ITEM	QTY	EQUIPMENT MANUFACTURER
P2A	PLAY STRUCTURE PUMP	1	AURORA 3801, 5x6x9.5, 20 HP, 208 VOLT, 3 PHASE, 1800 RPM, 1.045 GPM, @ 45° THD. TEFC MOTOR, END SUCTION, CLOSE COUPLED, 316 STAINLESS STEEL IMPELLOR AND FITTED (SF), EPOXY COATED VOLUME
P3A	GEYSERS PUMP	1	AURORA 3801, 4x5x9.5, 10 HP, 208 VOLT, 3 PHASE, 1800 RPM, 500 GPM, @ 45° THD. TEFC MOTOR, END SUCTION, CLOSE COUPLED, 316 STAINLESS STEEL IMPELLOR AND FITTED (SF), EPOXY COATED VOLUME
P5A	DROP SLIDE PUMP	1	AURORA 3801, 3x4x7.4, 7.5 HP, 208 VOLT, 3 PHASE, 1800 RPM, 300 GPM, @ 45° THD. TEFC MOTOR, END SUCTION, CLOSE COUPLED, 316 STAINLESS STEEL IMPELLOR AND FITTED (SF), EPOXY COATED VOLUME
S2A	PLAYS STRUCTURE STRAINER	1	NEPTUNE BENSON 12"x6" ECCENTRIC REDUCING BASKET STRAINER, STAINLESS STEEL BODY, TRANSPARENT ACRYLIC LID, STAINLESS STEEL BASKET, PROVIDE WITH EXTRA STAINLESS STEEL BASKET. VERIFY SIZE OF EXISTING SUCTION PIPING.
S3A	GEYSERS STRAINER	1	NEPTUNE BENSON 8"x5" ECCENTRIC REDUCING BASKET STRAINER, STAINLESS STEEL BODY, TRANSPARENT ACRYLIC LID, STAINLESS STEEL BASKET, PROVIDE WITH EXTRA STAINLESS STEEL BASKET. VERIFY SIZE OF EXISTING SUCTION PIPING.
S4A	BODY SLIDE STRAINER	1	NEPTUNE BENSON 12"x8" ECCENTRIC REDUCING BASKET STRAINER, STAINLESS STEEL BODY, TRANSPARENT ACRYLIC LID, STAINLESS STEEL BASKET, PROVIDE WITH EXTRA STAINLESS STEEL BASKET. VERIFY SIZE OF EXISTING SUCTION PIPING.
FM16A	FLOW METER	1	SIGNET 2551 MAG METER, INSERTION STYLE MAGNETIC FLOW SENSOR, MODEL # 3-2551-P-2-11 PROVIDE WITH FIELD MOUNT FLOW TRANSMITTER MODEL #3-9900-1 AND UNIVERSAL MOUNTING KIT MODEL #3-8050, FLOW AND DESCRIPTION TO BE DISPLAYED ON TRANSMITTER. PROVIDE WITH IRON STRAP-ON SADDLE MODEL NUMBER IRS8100 (10")
C1A	CHEMICAL CONTROLLER	1	HAYWARD CAT 4000 SEE SPECIFICATIONS
CF1A	CHEMICAL FEEDER	1	AXIALL ACCUTAB CHLORINATION SYSTEM, POWERBASE 3140AT CHLORINATOR, FEEDS UP TO 22 LBS/HR CALCIUM HYPOCHLORITE, 140 LBS TANK STORAGE, 120V, 2 CONNECTIONS, USE ACCU-TAB BLUE S1 TABLETS (CALCIUM HYPOCHLORITE) FOR DISINFECTANT.

- NOTES:
1. INTERLOCK THE CHEMICAL CONTROLLER WITH THE FILTRATION PUMP TO DISABLE ALL CHEMICAL FEEDING WHEN PUMP IS OFF, LOSES POWER, OR IS IN BACKWASH MODE. SEE PL501 AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
 2. ALL PUMP FLOW AND TDH REQUIREMENTS HAVE BEEN LISTED TO MATCH THE ORIGINAL DESIGN SPECIFICATIONS



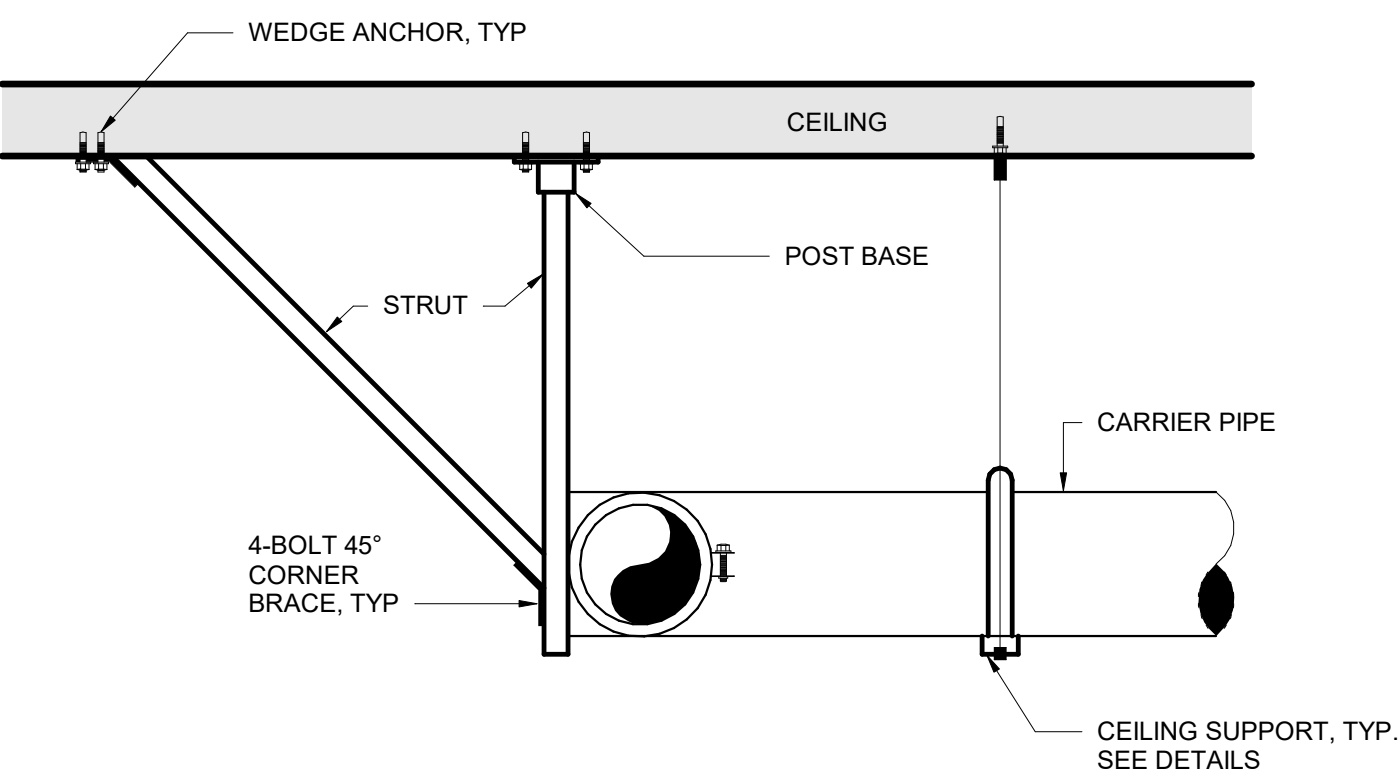
1 | POOL MECHANICAL ROOM LAYOUT
PL400 PLAN VIEW
1/4" = 1'-0"

[illegible]



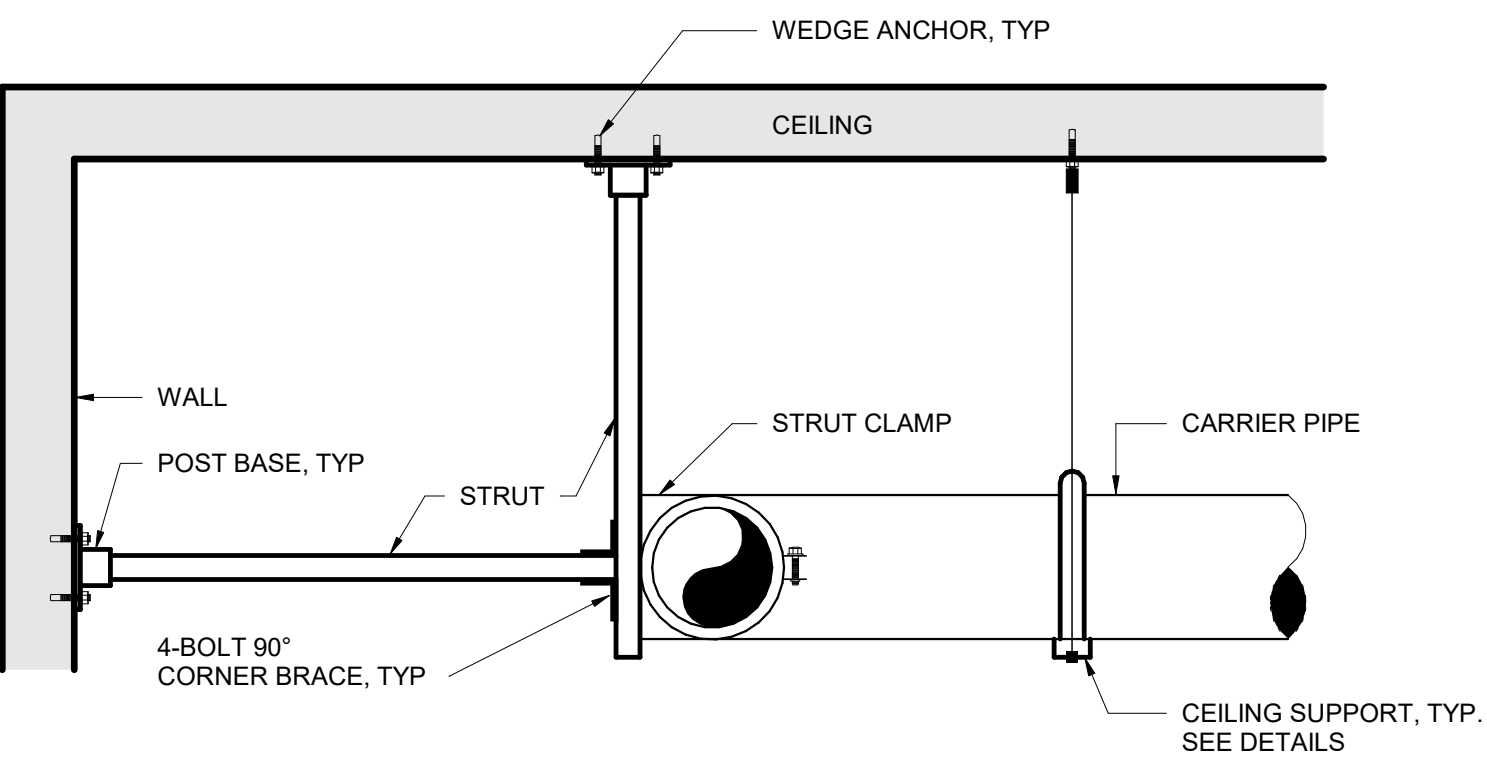
NOTES:
1. DETAILS ARE TYP SUPPORT METHODS AND ARE NOT INCLUSIVE OF ALL SITE CONDITIONS.
2. ALL PIPING SHALL BE RIGIDLY SUPPORTED Laterally AND VERTICALLY. SUPPORT SYSTEM SHALL PROVIDE ZERO MOVEMENT IN PIPING DURING ALL OPERATING CONDITIONS.
3. PROVIDE THRUST RESTRAINT AT ALL HORIZONTAL/HORIZONTAL, HORIZONTAL/VERTICAL AND VERTICAL/HORIZONTAL CHANGES IN DIRECTIONS.
4. SEE DIVISION 13 SPECIFICATIONS FOR ADDITIONAL SUPPORT REQUIREMENTS AND MATERIALS.
5. SEE PIPE SUPPORT TABLE ON DRAWINGS.

9 | PIPE SUPPORT
DETAIL VIEW
NOT TO SCALE



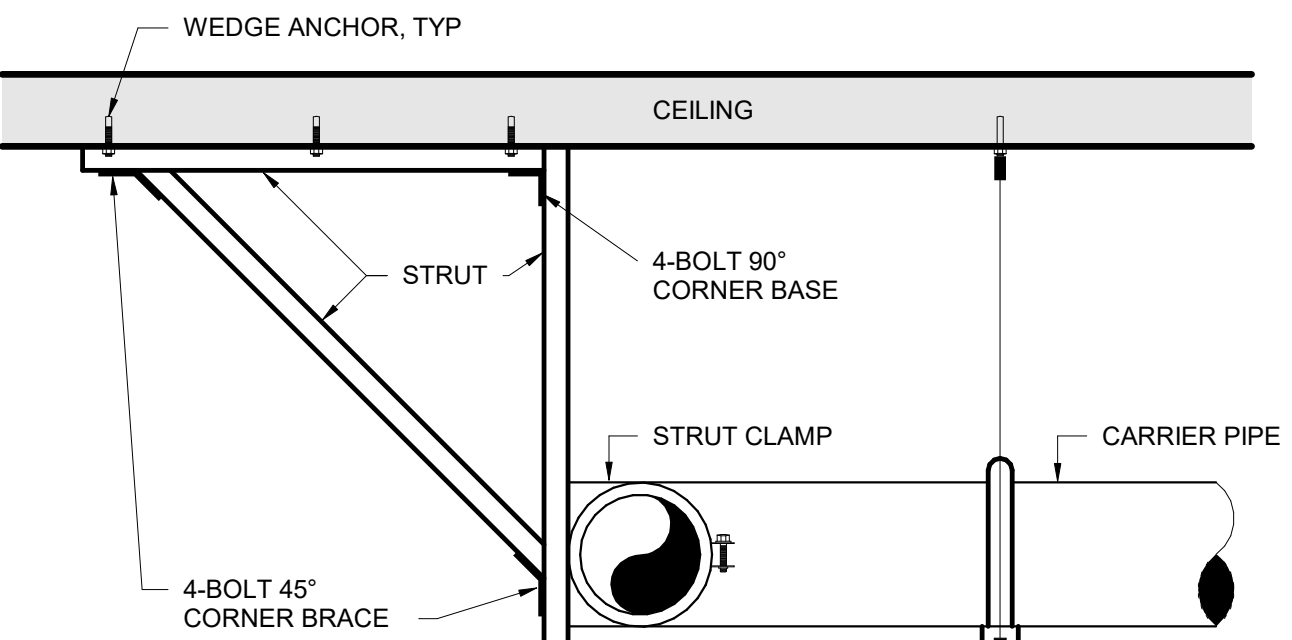
DETAILS ARE TYP THRUST BRACING METHODS & ARE NOT INCLUSIVE OF ALL SITE CONDITIONS. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF BRACING METHODS FOR APPROVAL.

10 | PIPE THRUST BRACING
DETAIL VIEW
NOT TO SCALE



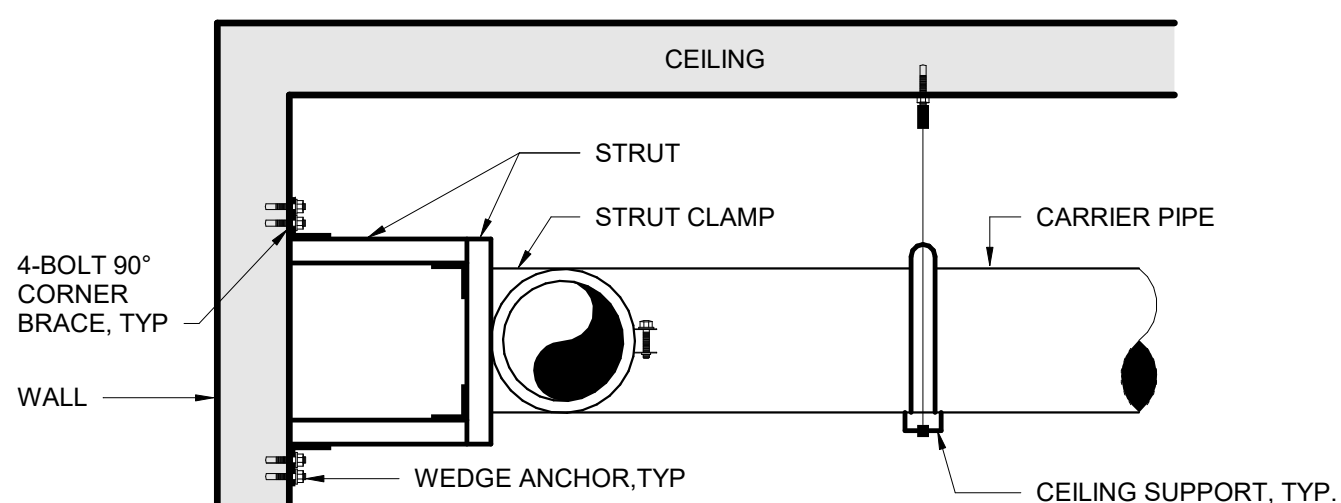
DETAILS ARE TYP THRUST BRACING METHODS & ARE NOT INCLUSIVE OF ALL SITE CONDITIONS. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF BRACING METHODS FOR APPROVAL.

11 | PIPE THRUST BRACING
DETAIL VIEW
NOT TO SCALE



DETAILS ARE TYP THRUST BRACING METHODS & ARE NOT INCLUSIVE OF ALL SITE CONDITIONS. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF BRACING METHODS FOR APPROVAL.

12 | PIPE THRUST BRACING
DETAIL VIEW
NOT TO SCALE



DETAILS ARE TYP THRUST BRACING METHODS & ARE NOT INCLUSIVE OF ALL SITE CONDITIONS. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF BRACING METHODS FOR APPROVAL.

13 | PIPE THRUST BRACING
DETAIL VIEW
NOT TO SCALE

SUB-BASE ELEVATION

SUB-BASE PLAN

MOTOR RISER PLAN

MOTOR FRAME GROUP	143-184	213-215	254-286	324-365	284-326-11A	324-365 x 13.5	404-445
SUB BASE LENGTH	26.25	31	37	40	43.5	46.5	54
SUB BASE WIDTH	12	16	17	20	25	25	25
SUB BASE HEIGHT	3	3	3	3	4	4	4
RISER LENGTH	12	15	20	24	N/A	24	30
RISER WIDTH	10	12	15	18	N/A	18	22

MOTOR RISER ELEVATION