

SPLASH PAD DESIGN

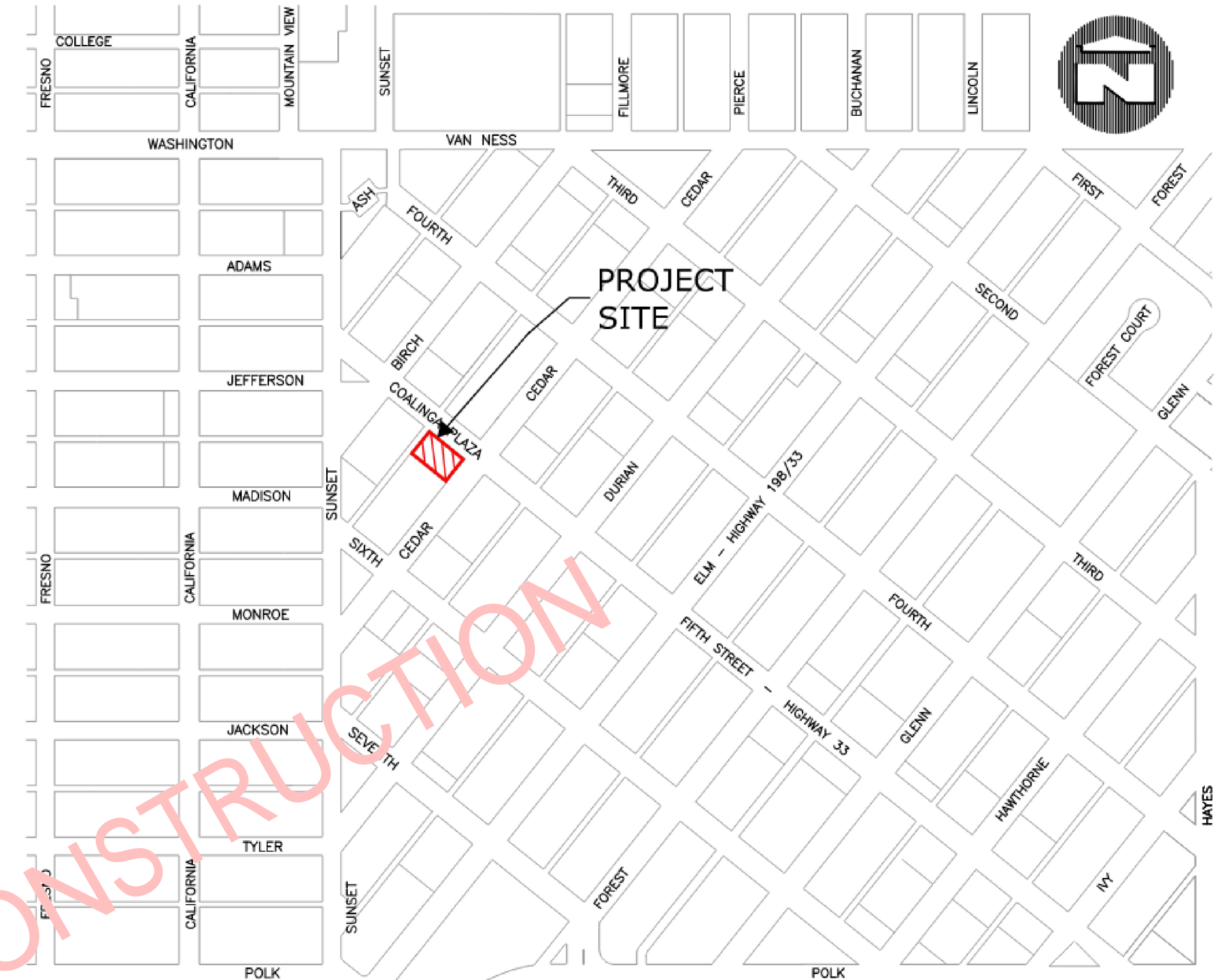
COALINGA SPLASH PARK

131 E. CEDAR AVENUE
COALINGA, CA



2255 E Auto Centre Drive, Glendora, CA 91740
Ph. 909.394.1280
Fax 909.394.4579
CA LIC 415172

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Rev.	Date

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2255 Auto Centre Dr.
Glendora, CA 91740
Ph: (909) 394-1280
Fax: (909) 963-4812

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GENERAL NOTES:

- DESIGN, CONSTRUCTION AND MAINTENANCE OF THIS FACILITY SHALL BE IN ACCORDANCE WITH THE CURRENT CALIFORNIA CODE OF REGULATIONS AND THE LOCAL BUILDING CODE, AND ALL THE RULES AND REGULATIONS OF THE LOCAL DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL.
- THE ENGINEER SHALL MAKE PERIODIC OBSERVATIONS OF THE WORK AS MAY BE REQ'D.
- SEWER CONNECTIONS AND APPROVAL TO HANDLE SYSTEM WASTE AND DRAINS SHALL BE IN ACCORDANCE WITH STATE AND LOCAL MUNICIPAL REQUIREMENTS.
- ANY DEVIATION FROM APPROVED PLANS MUST BE APPROVED BY THE ENGINEER AND SUBMITTED TO THE HEALTH DEPARTMENT IN WRITING BEFORE SUCH CHANGES ARE MADE.
- THE ENGINEER SHALL CERTIFY TO THE HEALTH DEPARTMENT THAT THESE FACILITIES INCLUDING ALL APPURTENANCES HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH PLANS.
- ALL HOSE BIBBS SHALL BE PROVIDED WITH ASSE 1024 BACKFLOW PREVENTERS.

HEALTH DEPARTMENT NOTES:

- CONCRETE DECK / PAD FINISH SHALL BE SMOOTH, NON-SLIP WHITE OR LIGHT COLORED WATERPROOF WITH A 55% REFLECTANCE VALUE (TYPICAL PER CODE).
- THE FINISH DECK SHALL BE BROOM FINISHED CONCRETE OR APPROVED EQUAL.
- THE DECK SHALL BE NON-SLIP AND SHALL SLOPE 1/4" PER FOOT AWAY FROM THE RIDE SYSTEM.
- ALL PVC PIPING SHALL BE SCHEDULE 40 I.P.S. OR GREATER N.S.F. APPROVED UNLESS OTHERWISE NOTED.
- THE EQUIPMENT ROOM SHALL BE ADEQUATELY ILLUMINATED TO AT LEAST 50 FOOTCANDLES AS MEASURED 30 INCHES FROM THE FLOOR. MECHANICAL EXHAUST VENTILATION SYSTEM SHALL BE IN COMPLIANCE WITH THE CALIFORNIA MECHANICAL CODE.
- ALL PIPING SHALL BE ADEQUATELY SUPPORTED TO PREVENT SETTLEMENT.
- THERE SHALL BE NON-BREAKABLE LENSES ON ALL LIGHT FIXTURES MOUNTED DIRECTLY ABOVE THE RIDE SYSTEM SURFACE.
- ALL WIRING AND GROUNDING SHALL CONFORM TO THE NATIONAL ELECTRIC CODE.

OPERATIONAL NOTES:

- THE OWNER SHALL DEVELOP, UPDATE AND IMPLEMENT A WRITTEN FACILITY SAFETY PLAN CONSISTING OF PROCEDURES FOR REACTING TO EMERGENCIES, INJURIES AND OTHER INCIDENTS, PROVIDING FIRST AID AND SUMMONING HELP. THE SAFETY PLAN SHALL BE APPROVED BY THE HEALTH DEPARTMENT.
- THIS FACILITY SHALL BE OPERATED UNDER THE SUPERVISION OF APPROPRIATELY TRAINED PERSONS AS REQUIRED BY CODE.

CONSTRUCTION NOTES:

- ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE SECTION 680 AND ALL LOCAL REQUIREMENTS THAT APPLY TO THE SYSTEM CONSTRUCTION (TYPICAL).
- THE MECHANICAL EQUIPMENT ROOM / BALANCE TANK DOOR SIZE SHALL BE CHECKED TO VERIFY THAT ALL OF THE EQUIPMENT / PIPE FITTINGS HOUSED INSIDE FITS ADEQUATELY THROUGH THE DOOR.
- THE SPLASH PAD SYSTEM FACILITY CONTRACTOR SHALL ASSIST THE GENERAL CONTRACTOR TO INSURE THAT OTHER TRADES PROVIDE HEALTH DEPARTMENT REQUIRED EQUIPMENT SUCH AS FILL WATER BACKFLOW PREVENTERS, DRINKING FOUNTAINS, HOSE BIBBS, MECHANICAL VENTILATION, FLOOR DRAINS, TELEPHONE CONNECTIONS, LIGHTING, OUTLETS, ETC.
- ALL STRUCTURAL CONCRETE AND STRUCTURAL REINFORCING STEEL SHALL CONFORM TO THE STRUCTURAL NOTES ON THE DETAILS (TYPICAL).
- ALL PUMP PITS AND EQUIPMENT ROOM CONCRETE FLOORS SHALL SLOPE TO DRAINS, SUMPS OR DOORS AS SHOWN ON THESE PLANS (TYPICAL).
- ALL SEATS, STEPS AND PROTRUDING CONCRETE FIXTURES SHALL HAVE A 4" WIDE DARK STRIP TO INDICATE GRADE CHANGE.
- FLOOR INLETS AND DRAIN GRATES SHALL BE INSTALLED SO THAT THEY DO NOT PROTRUDE MORE THAN 1/8" UNLESS OTHERWISE REQUIRED BY THE FITTING MANUFACTURER.
- ALL GRATES WILL BE SECURED WITH NON-CORROSIVE, TAMPER PROOF SCREWS OR AS REQUIRED BY THE FITTING MANUFACTURER.
- ALL DECKS AND SPLASH PAD SURFACES SHALL HAVE A NON-SLIP FINISH.
- ALL FLOORS AND DECKS SHALL BE PITCHED A MINIMUM OF 1/4" PER FOOT TO DECK DRAINS OR THE DECK PERIMETER (TYPICAL).
- THE CHEMICAL STORAGE AREA SHALL BE VENTILATED AT A RATE OF 10 AIR CHANGES PER HOUR OR PER CODE REQUIREMENTS. WHERE THE CHEMICALS ARE STORED OUTSIDE VENTILATION IS NOT REQUIRED.
- PIPING IS SHOWN FOR CLARIFICATION AND MAY NOT SHOW EXACT ROUTING OR WIDTH OF TRENCH. THE RIDE SYSTEM FACILITY CONTRACTOR SHALL INSTALL PIPING WITH AS FEW CHANGES IN DIRECTION AS POSSIBLE BASED ON FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
- ALL DECK AND WALKWAY STEPS SHALL INCLUDE HANDRAILS AS REQUIRED BY CODE.
- ALL CAST-IN-PLACE CONCRETE SHALL BE TYPE V PER ACI 318 SECTIONS 4.3 & 4.4 AND SHALL HAVE A MIN. 28 DAY COMPRESSIVE STRENGTH (F'c) OF 3000 PSI UNLESS OTHERWISE SHOWN DETAILS.
- ALL REINFORCING STEEL USED IN THIS FACILITY SHALL BE GRADE 60 PER A.S.T.M. A615 (TYPICAL).

ELECTRICAL NOTES:

- THE ELECTRICAL CONTRACTOR SHALL GROUND AND BOND ALL ELECTRICAL EQUIPMENT, STRUCTURE REINFORCING, FACILITY ACCESSORIES, AND PIPING IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE REQUIREMENTS OF ARTICLE 680, AND BY ALL STATE AND LOCAL CODES - SEE BONDING DETAILS FOR MORE INFORMATION.
- ALL ELECTRICAL OUTLETS IN THE EQUIPMENT ROOM, FACILITY AREA AND TOILET ROOMS SHALL BE GROUND FAULT CIRCUIT INTERRUPTER EQUIPPED PER CODE (TYPICAL).
- CHEMICAL FEEDERS SHALL BE INTERLOCKED WITH THE FILTER PUMP.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONDUIT, WIRE, CONTROLS, DISCONNECTS, ETC. FOR THE FACILITY UNLESS OTHERWISE NOTED.
- FOR MORE INFORMATION RELATED TO BONDING REQUIREMENTS SEE THE DETAILS IN THIS PLAN SET.

HYDRAULIC NOTES:

- PIPING IS SHOWN PARTIALLY DIAGRAMMATIC. RUN PIPES AS REQUIRED TO FIT FIELD CONDITIONS. THE ARRANGEMENT OF THE EQUIPMENT AND THE RUN OF PIPES WITHIN THE MECHANICAL ROOM / FILTER AREA SHOULD BE FOLLOWED AS CLOSE AS POSSIBLE TO THAT SHOWN SO AS TO PROVIDE OPERATING AND MAINTENANCE SPACE AND REQUIRED HEAD ROOM.
- ALL PIPING SHALL BE FULLY SUPPORTED IN ACCORDANCE WITH CODE REQUIREMENTS AND DETAILS, ALLOWING FOR SEISMIC LOADS.
- HYDROSTATICALLY TEST ALL PRESSURE LINES AT 50 PSI FOR A PERIOD OF 2 HOURS. MAINTAIN TEST ON PIPES THROUGH CONSTRUCTION PERIOD. CHECK FOR AND REPAIR ALL LEAKS. RETEST AS REQUIRED.
- ALL MECHANICAL ROOM AND FILTER PIPING TO BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
- VALVES SHALL BE BUTTERFLY OR BALL TYPE, RATED FOR 150 PSI MINIMUM WORKING PRESSURE UNLESS OTHERWISE NOTED.
- WATER FOR THIS FACILITY USE SHALL BE PROVIDED THROUGH THE EXISTING WATER SUPPLY SYSTEM. WATER SHALL BE INTRODUCED INTO THE BALANCE TANK ABOVE THE HIGH WATER LEVEL AND SHALL INCLUDE A MANUALLY OPERATED VALVE TO TURN ON/OFF THE FILL FLOW PER CODE.
- ALL EXPOSED PIPES SHALL HAVE MARKINGS / LABELS AS REQUIRED BY ASME A13.1 - 2001 STANDARD FOR THE IDENTIFICATIONS OF PIPES. ALL VALVES SHALL BE TAGGED AS REQUIRED BY ASME. VALVE LABELS AND TAGS MAY BE PROCURED FROM 'GRAPHIC PRODUCTS INC.' 800-188-5512 OR www.duralabel.com / www.graphicproducts.com

APPLICABLE CODES:

WORK SHALL BE PERFORMED IN COMPLIANCE WITH:

- 2022 EDITION OF THE CALIFORNIA BUILDING CODE.
- 2022 EDITION OF THE CALIFORNIA PLUMBING CODE.
- 2022 EDITION OF THE CALIFORNIA MECHANICAL CODE.
- 2022 EDITION OF THE CALIFORNIA ELECTRICAL CODE.
- 2022 EDITION OF THE CALIFORNIA GREEN BUILDING CODE.
- 2022 EDITION OF THE CALIFORNIA FIRE CODE
- CITY OF LA QUINT MUNICIPAL CODE AMENDMENTS.
- CALIFORNIA ADMINISTRATIVE CODE (TITLE 24) CHAPTER 31B
- THE RECREATIONAL WATERS PROGRAM GUIDELINES FOR CONSTRUCTION AND OPERATION OF SPRAY GROUNDS, SPLASH PADS AND INTERACTIVE WATER FEATURES.
- THE CURRENT EDITION OF THE NATIONAL ELECTRIC CODE.
- ALL OTHER CODES APPLICABLE TO THIS WORK.

REQUIRED SIGNAGE:

ALL SIGNS SHALL HAVE CLEARLY LEGIBLE LETTERS OR NUMBERS NOT LESS THAN 4 INCHES (102mm) HIGH, UNLESS OTHERWISE REQUIRED. AFFIX TO A WALL, POLE, GATE, OR SIMILAR PERMANENT STRUCTURE IN A LOCATION VISIBLE TO ALL USERS

- SPRAY GROUND SIGN: A SIGN SHALL BE POSTED AT EACH SPRAY GROUND AND BE VISIBLE FROM ANY PART OF THE SPRAY GROUND THAT STATES, 'CAUTION: WATER IS RECIRCULATED. DO NOT DRINK.'

MECHANICAL EQUIPMENT NOTES:

- ALL PVC (POLYVINYL CHLORIDE) PIPE IN THE MECHANICAL EQUIPMENT ROOM/SPACE SHALL BE SCH 80 PVC
- ALL RECIRCULATION EQUIPMENT SHALL BE MARKED AS TO WHICH AQUATIC ELEMENT THE SYSTEM SERVES. ALL VALVES AND PLUMBING LINES SHALL BE LABELED CLEARLY WITH THE SOURCE OR DESTINATION DESCRIPTIONS.
- EACH OF THE PUMPS, FILTERS, ETC. SHALL BE MOUNTED ON CAST-IN-PLACE CONCRETE HOUSEKEEPING PADS IF CALLED OUT ON THE MECHANICAL EQUIPMENT ROOM/SPACE DETAILS.
- ALL FILTERS, VALVES, PUMPS, STRAINERS, AND EQUIPMENT SHALL BE READILY ACCESSIBLE FOR REPAIR AND REPLACEMENT.
- ALL FITTINGS AND EQUIPMENT CONSTRUCTED OF CAST IRON, STEEL OR OTHER CORROSION PRONE MATERIALS SHALL BE EPOXY COATED ON ALL WETTED SURFACES.
- PIPELINES SHALL BE SUPPORTED FROM WALLS, FLOOR AND / OR CEILING WHERE SHOWN ON THE MECHANICAL EQUIPMENT ROOM/SPACE DETAILS.
- MINOR REALIGNMENTS IN PIPE RUNS TO AVOID EXISTING STRUCTURES AND UTILITIES ARE EXPECTED AND SHALL BE INCLUDED IN THE SPLASH PAD CONTRACTOR'S SCOPE OF WORK.
- FLOORS SHALL BE SLOPED A MINIMUM OF 1/4" PER FOOT TO A DRAIN.
- THE SPLASH PAD FILL SHALL BE SUPPLIED WITH POTABLE WATER BY MEANS OF A PERMANENTLY INSTALLED PIPELINE FROM A PUBLIC WATER SUPPLY SYSTEM HOLDING A PERMIT FROM THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH OR FROM A SOURCE APPROVED BY THE ENFORCING AGENT. THERE SHALL BE NO DIRECT CONNECTION BETWEEN ANY POTABLE WATER SUPPLY SYSTEM AND THE SPLASH PAD OR ITS PIPING SYSTEM UNLESS PROTECTED BY A BACKFLOW PREVENTION DEVICE IN ACCORDANCE WITH CHAPTER 6 OF THE CALIFORNIA PLUMBING CODE. BACKFLOW PREVENTION DEVICE BY OTHERS
- A HOSE BIBB SHALL BE PROVIDED IN THE EQUIPMENT AREA WITH APPROPRIATE NON-REMOVABLE HOSE BIBB VACUUM BREAKER BY PLUMBER.
- THE BOOSTER PUMP(S) AND RECIRCULATION PUMP SHALL BE ELECTRICALLY INTERCONNECTED SO THEY ARE BOTH ON AND OFF TOGETHER.
- AN ACCURATELY CALIBRATED ULTRAVIOLET LIGHT INTENSITY METER THAT HAS BEEN PROPERLY FILTERED TO RESTRICT ITS SENSITIVITY TO THE DISINFECTION SPECTRUM SHALL BE INSTALLED IN THE WALL OF THE DISINFECTION CHAMBER AT THE POINT OF THE GREATEST WATER DEPTH FROM THE LIGHT SOURCE.
- THE ULTRAVIOLET LIGHT UNIT SHALL BE INSTALLED TO PROVIDE TREATED WATER DIRECTLY TO THE SPRAY FEATURES.
- THE ULTRAVIOLET LIGHT DISINFECTION SYSTEM MUST BE EQUIPPED WITH AN AUTOMATIC SHUTDOWN SYSTEM THAT INACTIVATES THE FEATURE PUMP IF THE ULTRAVIOLET DOSAGE RATE DROPS BELOW 40mJ/cm2.

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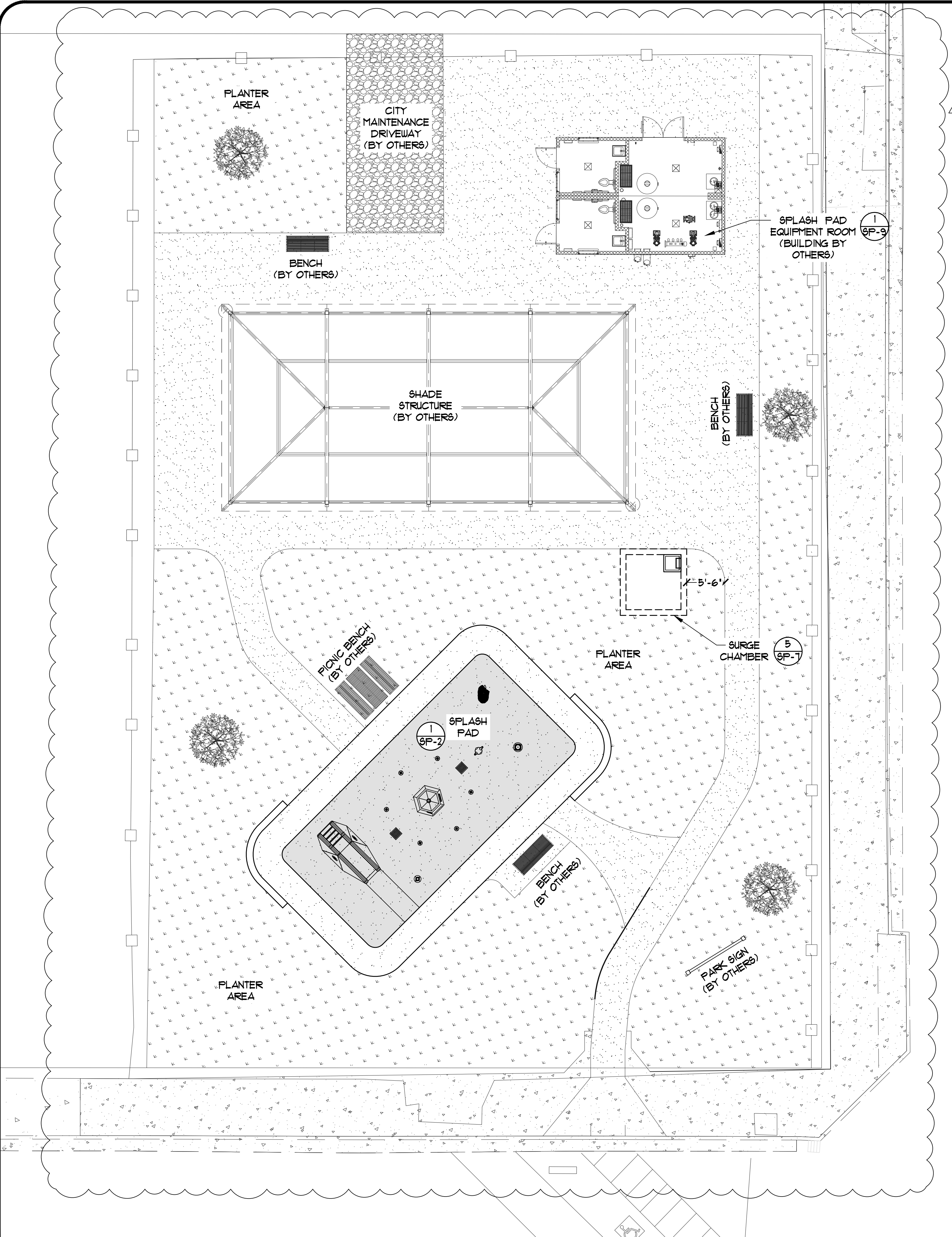
2255 Auto Centre Dr.
Glendora, CA 91740
Ph: (909) 394-1280
Fax: (909) 963-4812

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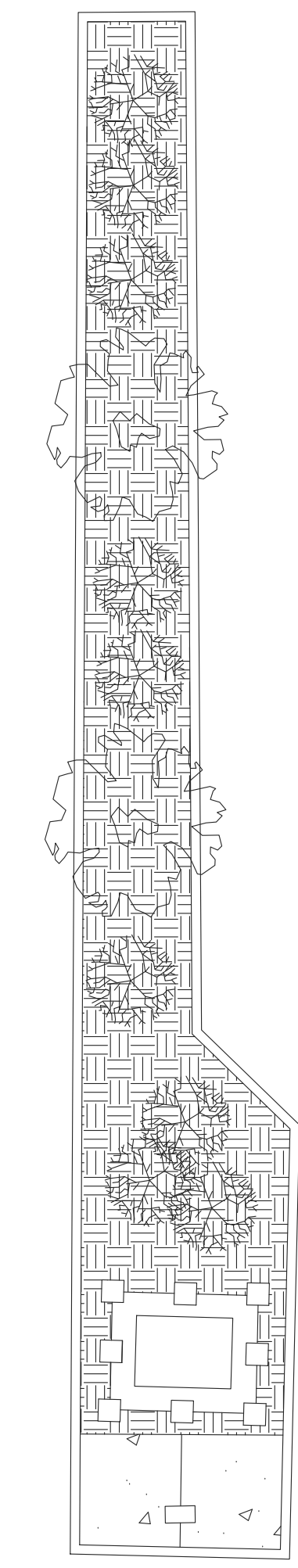


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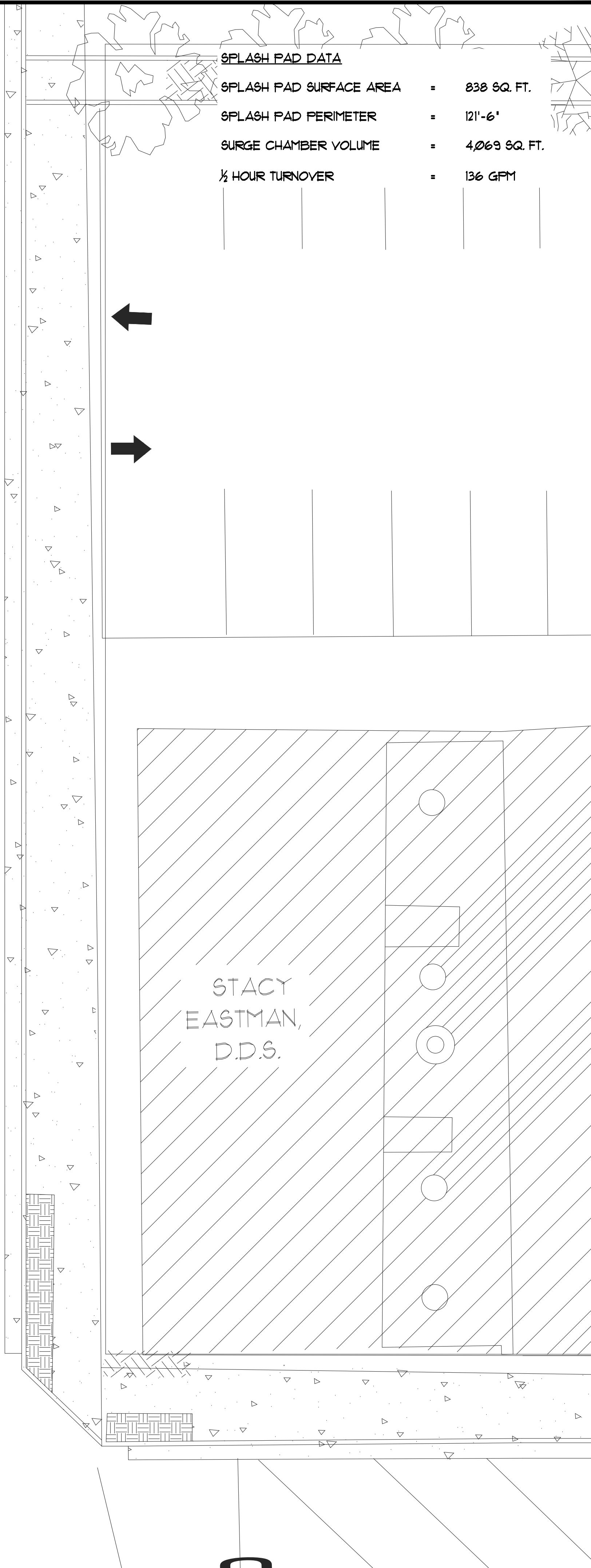


CEDAR AVE.

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SPLASH PAD DATA

SPLASH PAD SURFACE AREA	=	838 SQ. FT.
SPLASH PAD PERIMETER	=	121'-6"
SURGE CHAMBER VOLUME	=	4,069 SQ. FT.
1/2 HOUR TURNOVER	=	136 GPM



STACY EASTMAN, D.D.S.

Rev.	Date
1	9-18-25

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Sheet

1 SITE LAYOUT PLAN

1/8" = 1'-0"

REFERENCE	PRODUCT	QUANTITY	TARGET FLOW (GPM)	DETAIL
AB	ACTIVATION BOLLARD	1	0.0	2/SP-1
	BOL-005			
AR	AQUA RUN	1	21.8	1/SP-1
	AGR-001-01			
DR	DRAIN	2	0.0	3/SP-1
	DRN2-006B			
FH	FIRE HYDRANT	1	682	3/SP-6
	FHYD-004-01			
HL	HORNED LIZARD	1	11.2	2/SP-6
	CFDV-001-01			
OD	OIL DERRICK	1	23.0	1/SP-6
	WDER-002-01			
TT	TORNADO TWISTER	1	22.9	5/SP-6
	TRTW-001-01-SS			
WJ	UPSTREAM JET	6	6.1	6/SP-6
	UFJT-001-01			
WU	WHIRLY WHIFFER	1	11.4	4/SP-6
	WHWH-001-01-SS			

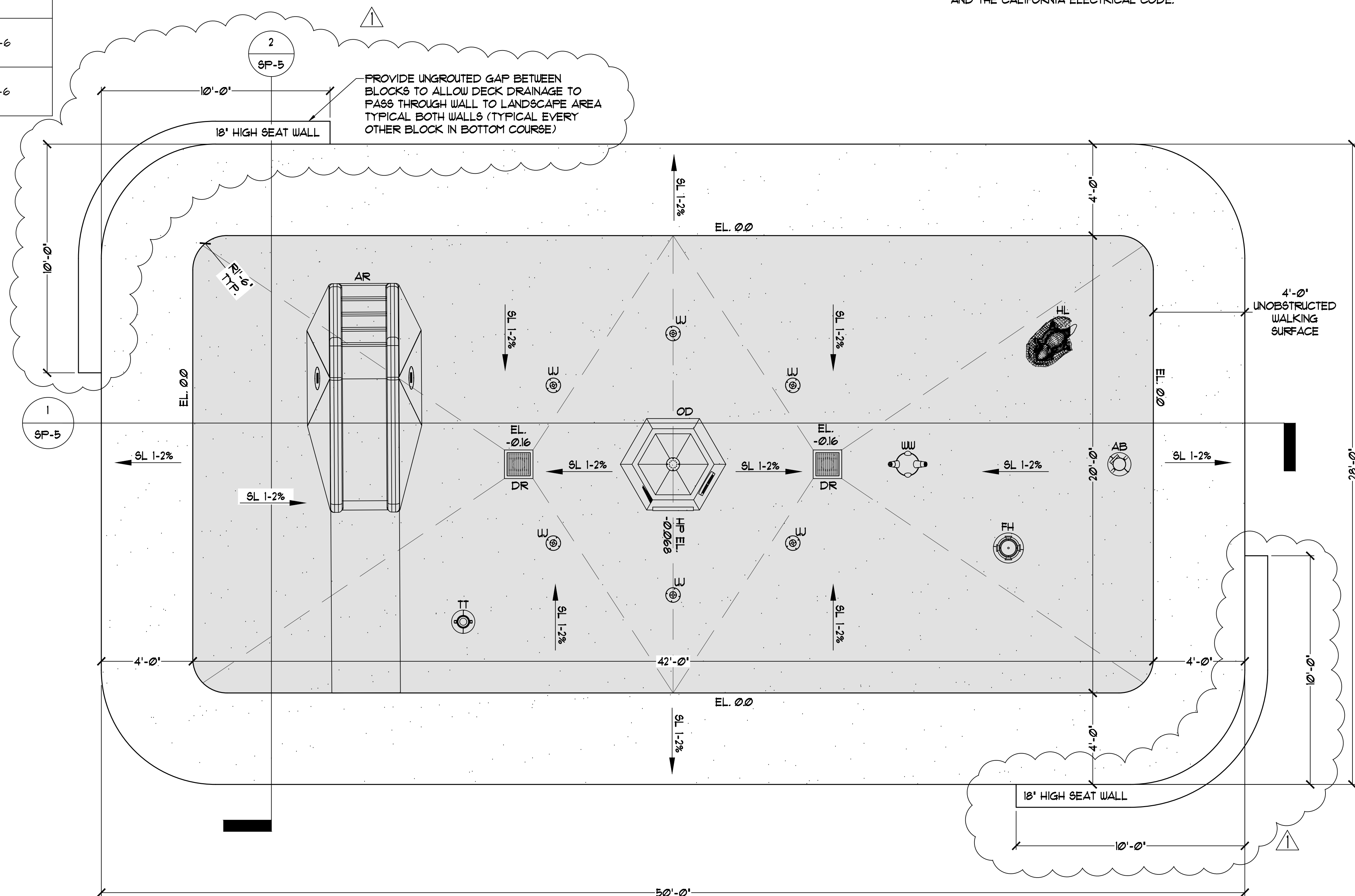
SPLASH PAD DATA

SPLASH PAD SURFACE AREA = 838 SQ. FT.
 SPLASH PAD PERIMETER = 121'-6"
 SURGE CHAMBER VOLUME = 4,063 SQ. FT.
 1/2 HOUR TURNOVER = 136 GPM

NOTES:

- ALL PARTS OF THE SPLASH PAD SHALL BE DESIGNED AND CONSTRUCTED SO THAT THERE ARE NO SAFETY HAZARDS.
- THERE SHALL BE NO STANDING WATER WITHIN THE SPLASH ZONE.
- NOZZLES THAT SPRAY FROM THE GROUND LEVEL SHALL BE FLUSH WITH THE GROUND WITH OPENINGS NO GREATER THAN 1/2".
- SPLASH PAD WATER FEATURES THAT EXTEND ABOVE THE GROUND MUST BE CLEARLY VISIBLE.
- THE SPLASH PAD SHALL BE SLOPED SO THAT ONLY WATER FROM THE SPLASH PAD WATER FEATURE FLOWS BACK TO THE SURGE BASIN. AREAS ADJACENT TO THE SPLASH PAD SHALL BE SLOPED AWAY FROM THE SPLASH PAD TO DECK DRAINS OR OTHER SURFACE WATER DISPOSAL SYSTEMS.
- ARTIFICIAL LIGHTING SHALL BE PROVIDED AT ALL SPLASH PADS WHICH ARE USED AT NIGHT OR WHICH DO NOT HAVE ADEQUATE NATURAL LIGHTING SO THAT ALL PORTIONS OF THE SPLASH PAD AND DECK MAY BE SEEN EASILY. LIGHTING THAT MAY BE EXPOSED TO THE FEATURE WATER SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND THE CALIFORNIA ELECTRICAL CODE.

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2255 Auto Centre Dr.
Glendora, CA 91740

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Fax: (909) 963-4812

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REFERENCE	PRODUCT	QUANTITY	TARGET FLOW (GPM)	DETAIL
AB	ACTIVATION BOLLARD	1	00	2/SP-1
	BOL-005			
AR	AQUA RUN	1	21.8	1/SP-1
	AQRN-001-0M			
DR	DRAIN	2	00	3/SP-1
	DRN12-006B			
FH	FIRE HYDRANT	1	68.2	3/SP-6
	FHYD-004-0M			
HL	HORNED LIZARD	1	11.2	2/SP-6
	CFDY-001-0M			
OD	OIL DERRICK	1	23.0	1/SP-6
	WDER-002-0M			
TT	TORNADO TWISTER	1	22.9	5/SP-6
	TRTW-001-0M-SS			
W	UPSTREAM JET	6	6.1	6/SP-6
	UPJT-001-0M			
WW	WHIRLY WHIFFER	1	11.4	4/SP-6
	WHUH-001-0M-SS			

SPLASH PAD DATA
 SPLASH PAD SURFACE AREA = 838 SQ. FT.
 SPLASH PAD PERIMETER = 121'-6"
 SURGE CHAMBER VOLUME = 4,069 SQ. FT.
 1/2 HOUR TURNOVER = 136 GPM

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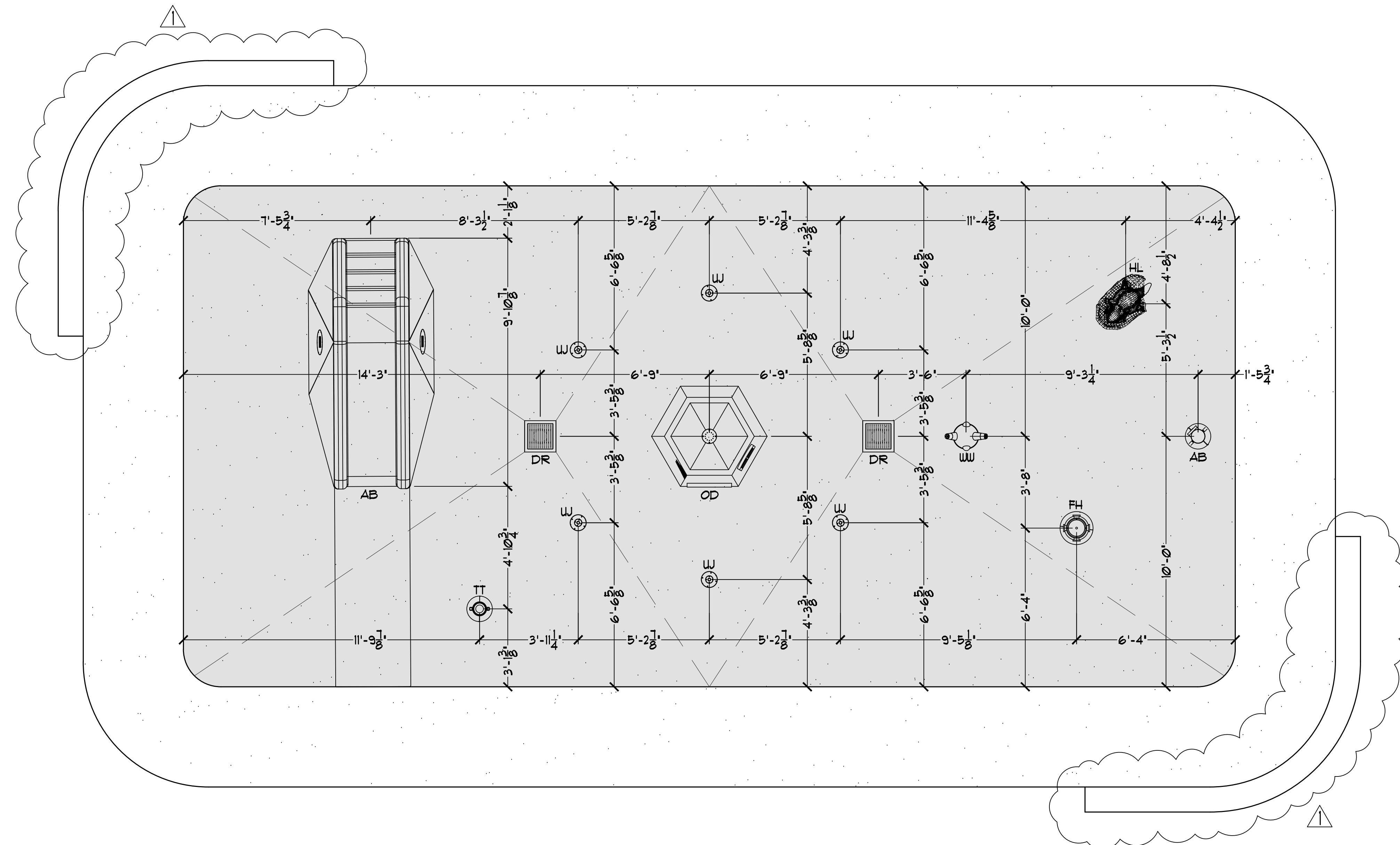
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1 SPLASH PAD FEATURE DIMENSIONAL LAYOUT PLAN

3/8" = 1'-0"

SPLASH PAD DATA

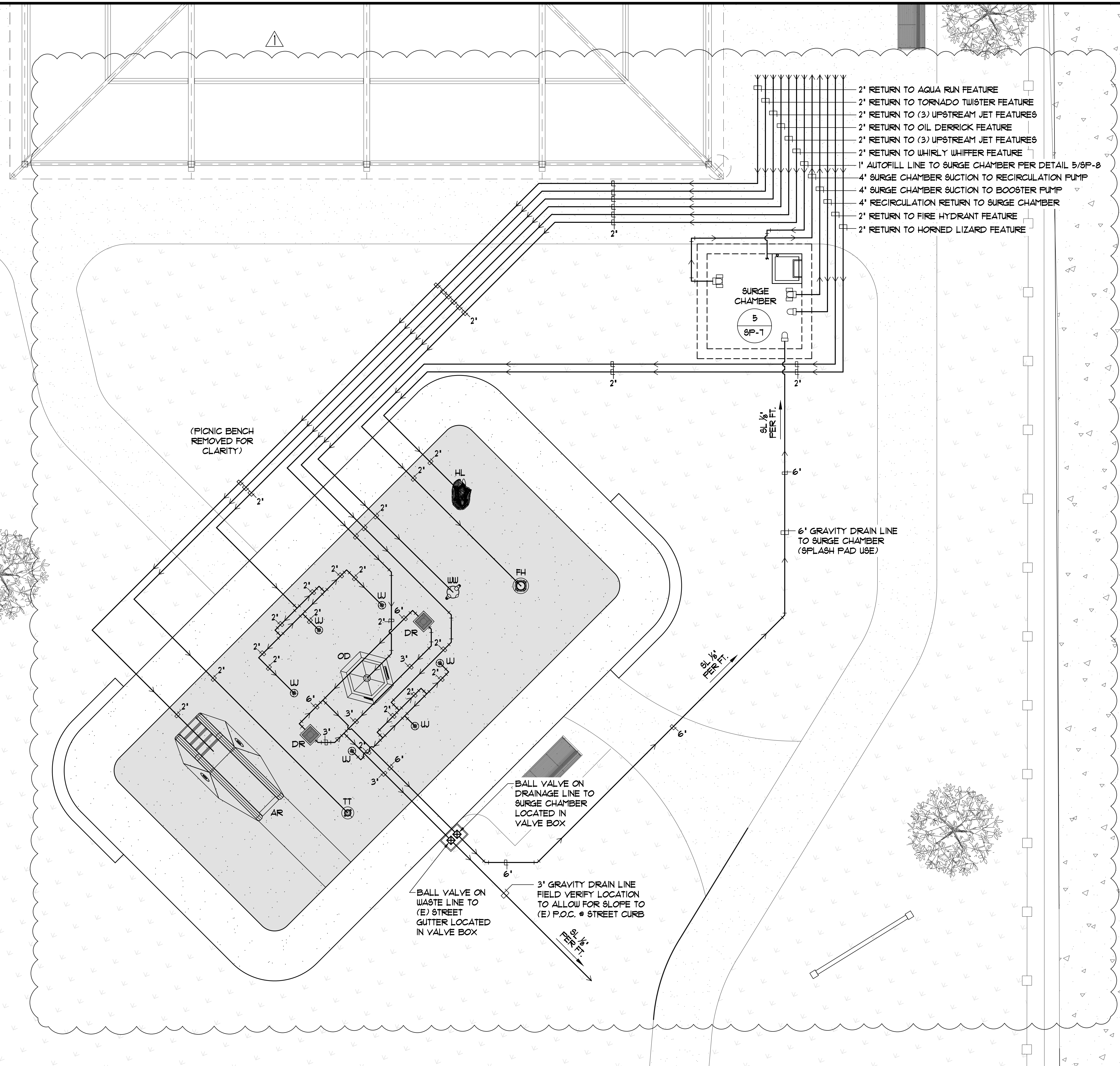
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 1/2 HOUR TURNOVER = 136 GPM

SURGE DATA

REQUIRED SURGE CAPACITY = 4,000 GAL.
 SURGE CAPACITY IN SURGE CHAMBER = 4,069 GAL.
 4,069 GAL. > 4,000 GAL. OK

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REFERENCE	PRODUCT	QUANTITY	TARGET FLOW (GPM)	DETAIL
AB	ACTIVATION BOLLARD	1	0.0	2/SP-1
	BOL-005			
AR	AQUA RUN	1	27.8	1/SP-1
	AQRN-001-0M			
DR	DRAIN	2	0.0	3/SP-1
	DRN2-006B			
FH	FIRE HYDRANT	1	68.2	3/SP-6
HL	HORNED LIZARD	1	17.2	2/SP-6
	CFDV-001-0M			
OD	OIL DERRICK	1	23.0	1/SP-6
TT	TORNADO TWISTER	1	22.9	5/SP-6
	TRTW-001-0M-SS			
W	UPSTREAM JET	6	6.7	6/SP-6
	UPJT-001-0M			
WW	WHIRLY WHIFFER	1	11.4	4/SP-6
	WHWH-001-0M-SS			



- 2' RETURN TO AQUA RUN FEATURE
- 2' RETURN TO TORNADO TWISTER FEATURE
- 2' RETURN TO (3) UPSTREAM JET FEATURES
- 2' RETURN TO OIL DERRICK FEATURE
- 2' RETURN TO (3) UPSTREAM JET FEATURES
- 2' RETURN TO WHIRLY WHIFFER FEATURE
- 1' AUTOFILL LINE TO SURGE CHAMBER PER DETAIL 5/SP-8
- 4' SURGE CHAMBER SUCTION TO RECIRCULATION PUMP
- 4' RECIRCULATION RETURN TO SURGE CHAMBER
- 2' RETURN TO FIRE HYDRANT FEATURE
- 2' RETURN TO HORNED LIZARD FEATURE

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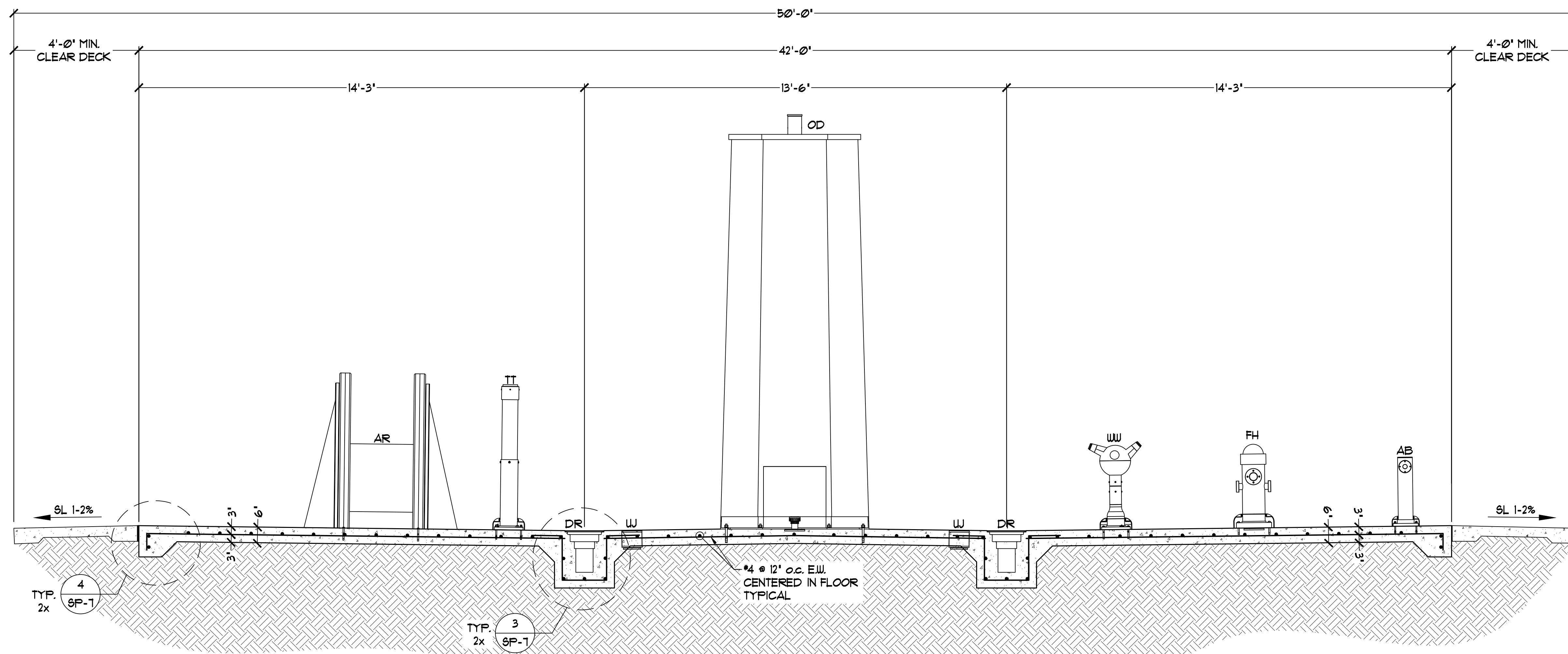
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1 SPLASH PAD FEATURE PIPING PLAN

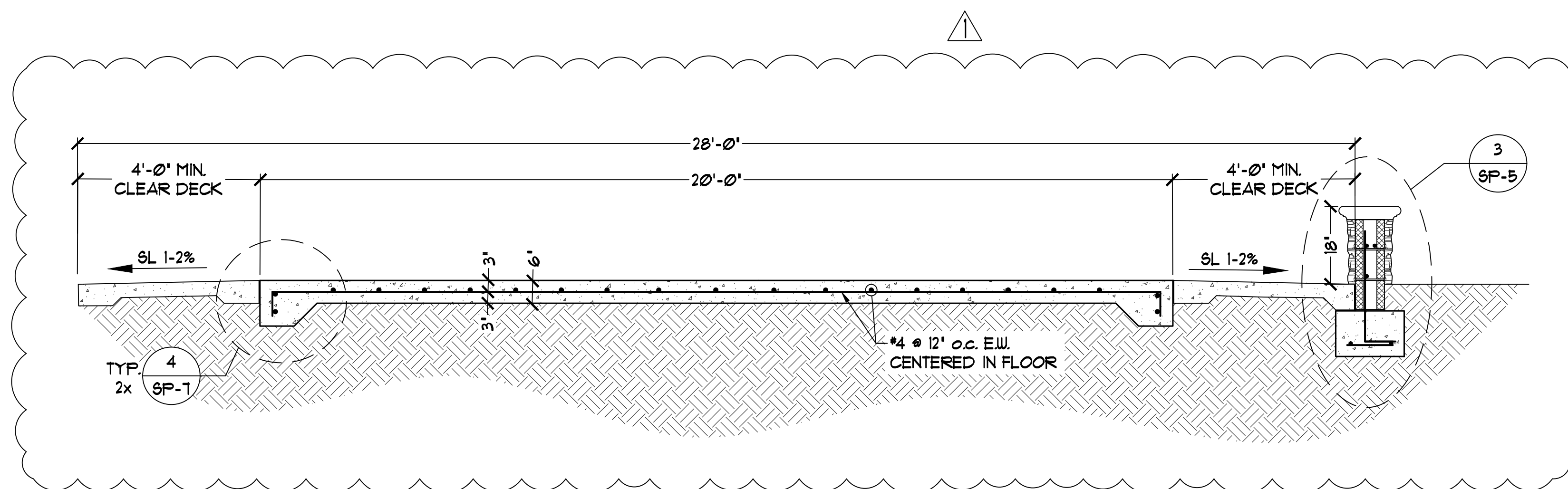
3/8" = 1'-0"



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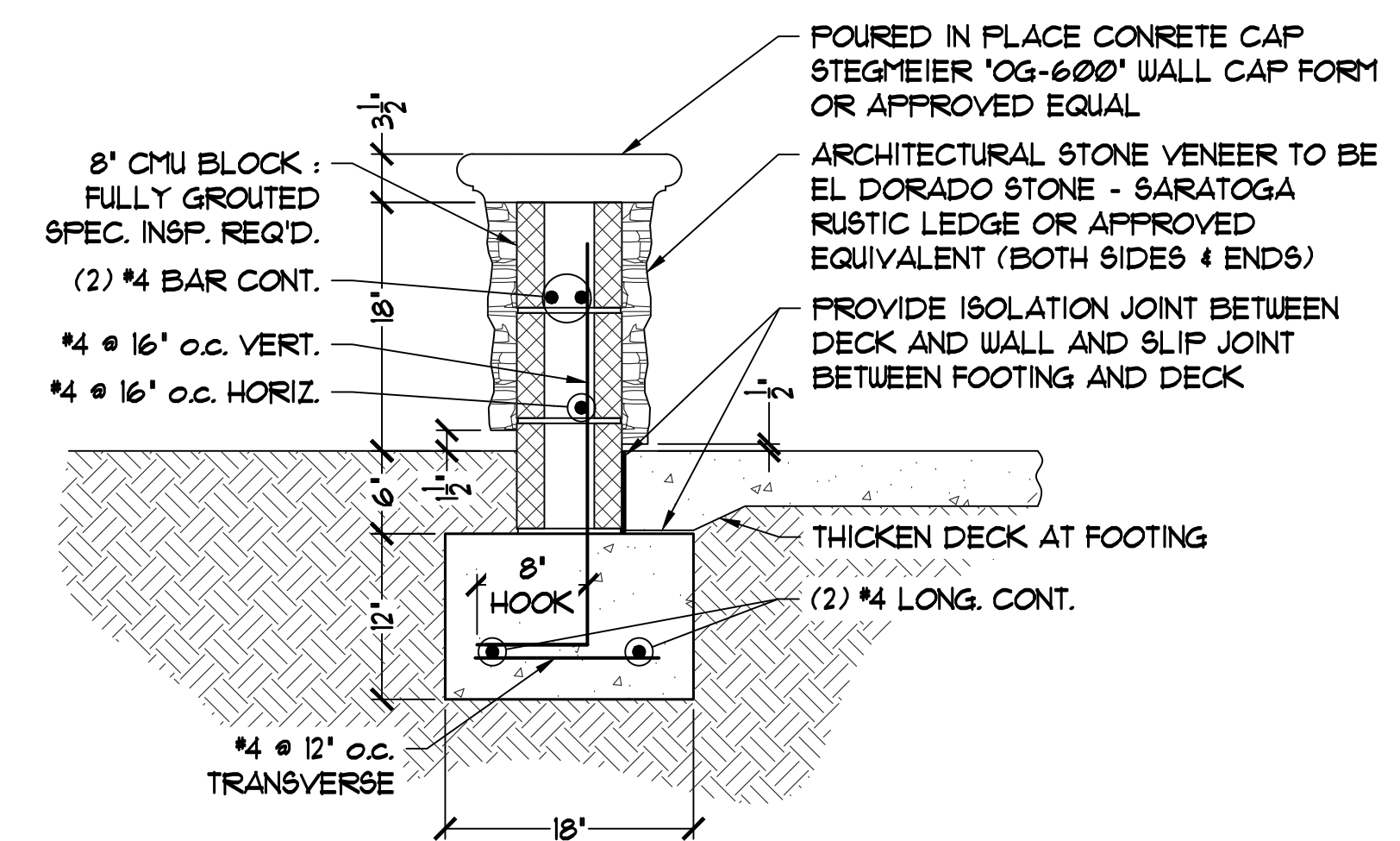
① SPLASH PAD SECTION

1/2" = 1'-0"



② SPLASH PAD SECTION

1/2" = 1'-0"



③ SEAT WALL DETAIL

1" = 1'-0"

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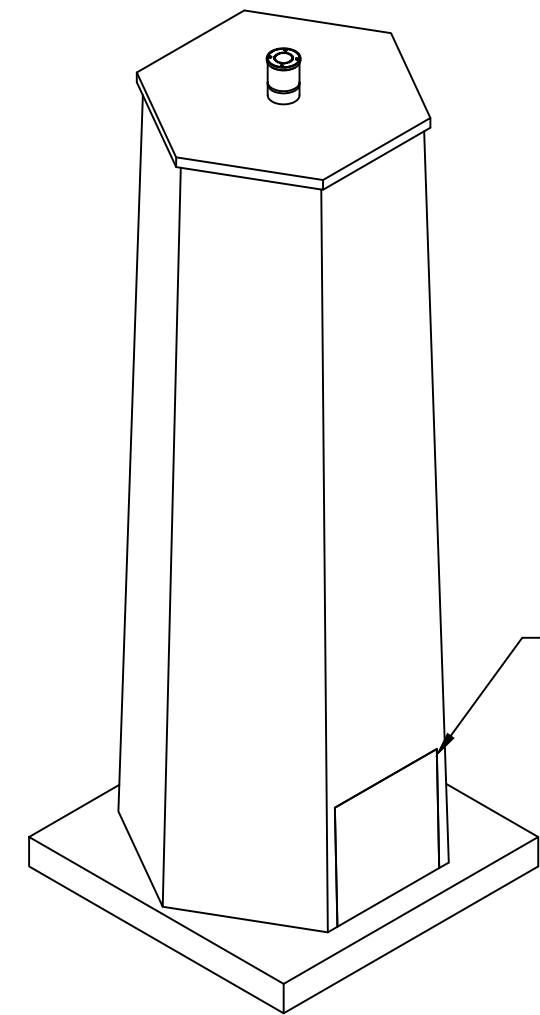
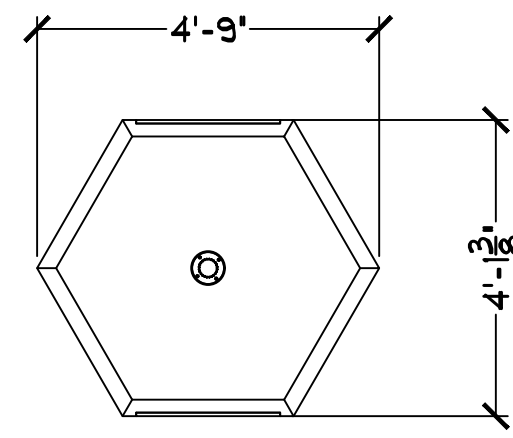
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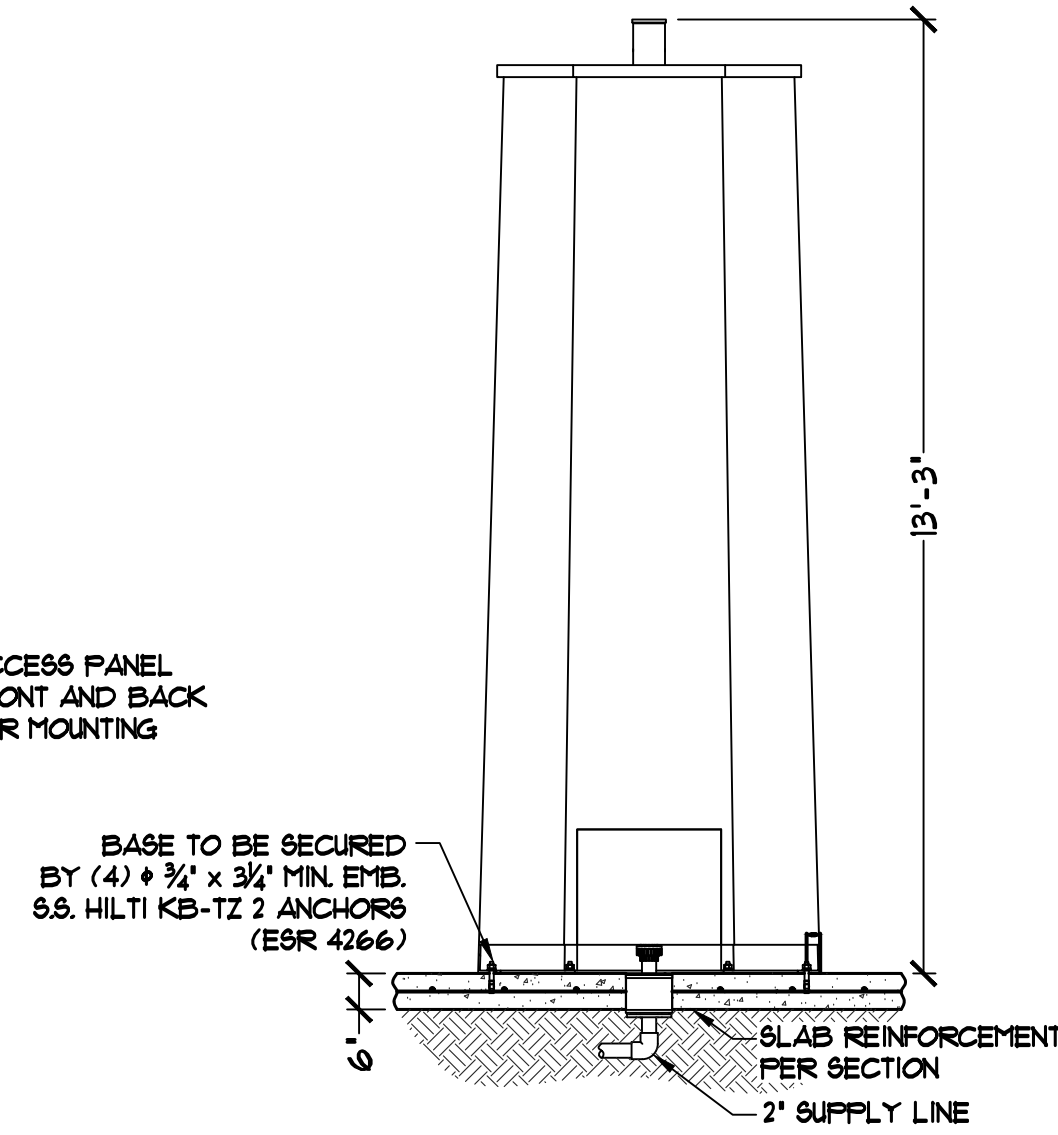
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- NOTE:**
- 1 CONCRETE MUST BE LEVEL 2'-0" IN DIAMETER CENTERED ON THE WATER SUPPLY.
 - 2 HEAD REQUIRED MEASURED FROM BASE OF FEATURE.
 - 3 SUPPLY LINE TO BE SOLVENT WELDED TO OMNIPOD FEATURE RECEIVER.
 - 4 CONCRETE TO BE 6" MINIMUM THICKNESS OR PER LOCAL CODE.
 - 5 FLOW RATES CALCULATED BASED ON THE FOLLOWING VELOCITIES:
MINIMUM: 1 FPS
INTENDED: 11 FPS
MAXIMUM: 15 FPS
 - 6 ELEMENT TO BE BONDED TO SPLASH PAD REINFORCEMENT PER NEC 680.

AREA OF INFLUENCE:
5'2" DIAMETER
VARIES WITH FLOW



ACCESS PANEL FRONT AND BACK FOR MOUNTING

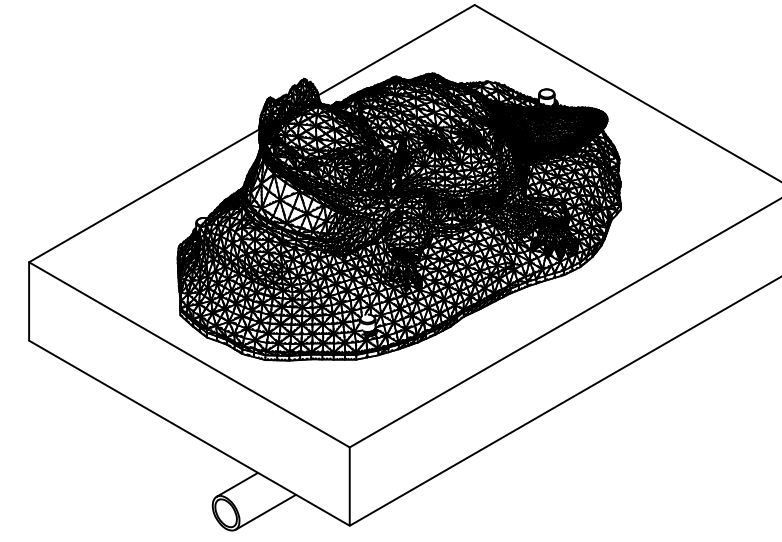
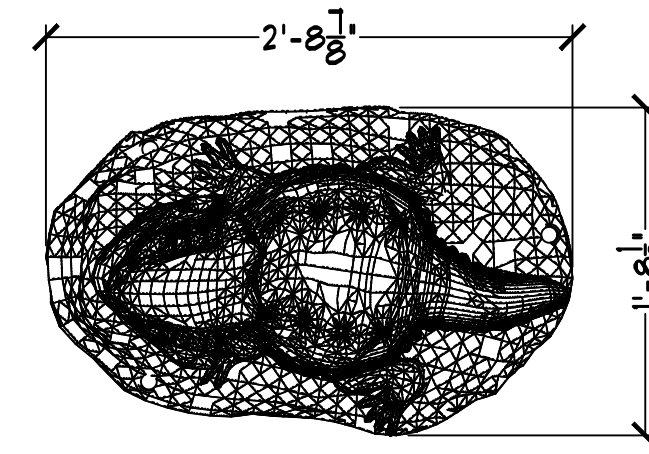


① OIL DERRICK FEATURE DETAIL

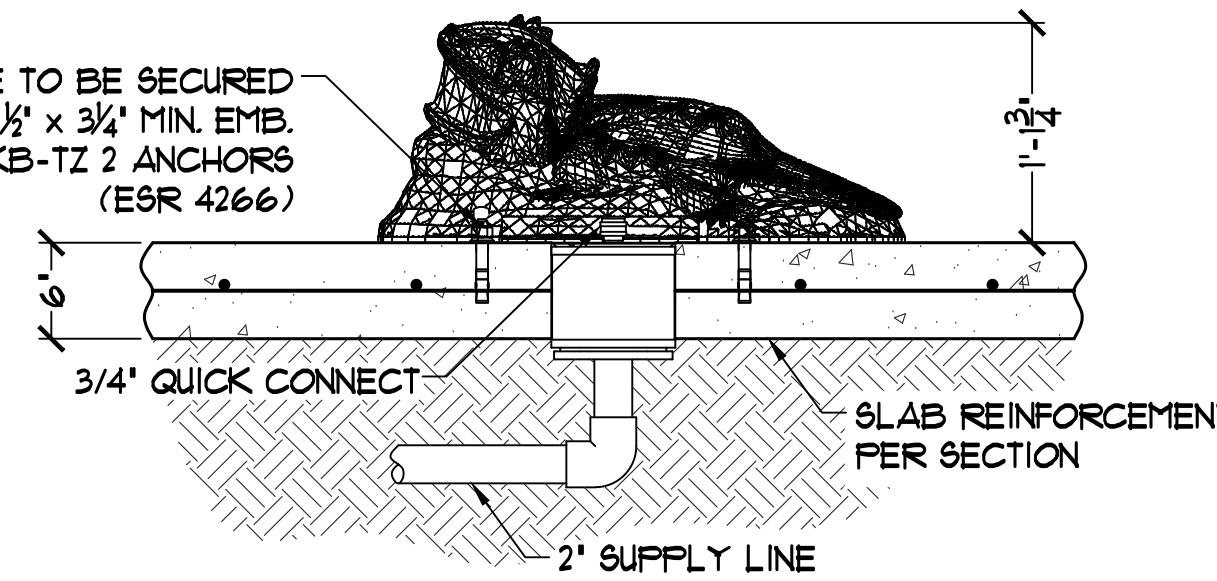
N.T.S.

- NOTE:**
- 1 DO NOT EXCEED THE MAXIMUM FLOW RATE OF 15.6 GPM.
 - 2 CONCRETE MUST BE LEVEL 2'-0" IN DIAMETER CENTERED ON THE WATER SUPPLY.
 - 3 HEAD REQUIRED MEASURED FROM BASE OF FEATURE.
 - 4 SUPPLY LINE TO BE SOLVENT WELDED TO OMNIPOD FEATURE RECEIVER.
 - 5 CONCRETE TO BE 6" MINIMUM THICKNESS OR PER LOCAL CODE.
 - 6 ELEMENT TO BE BONDED TO SPLASH PAD REINFORCEMENT PER NEC 680.

AREA OF INFLUENCE:
5' L X 5' W
VARIES WITH FLOW



BASE TO BE SECURED BY (3) #1/2" x 3/4" MIN. EMB. S.S. HILTI KB-TZ 2 ANCHORS (ESR 4266)

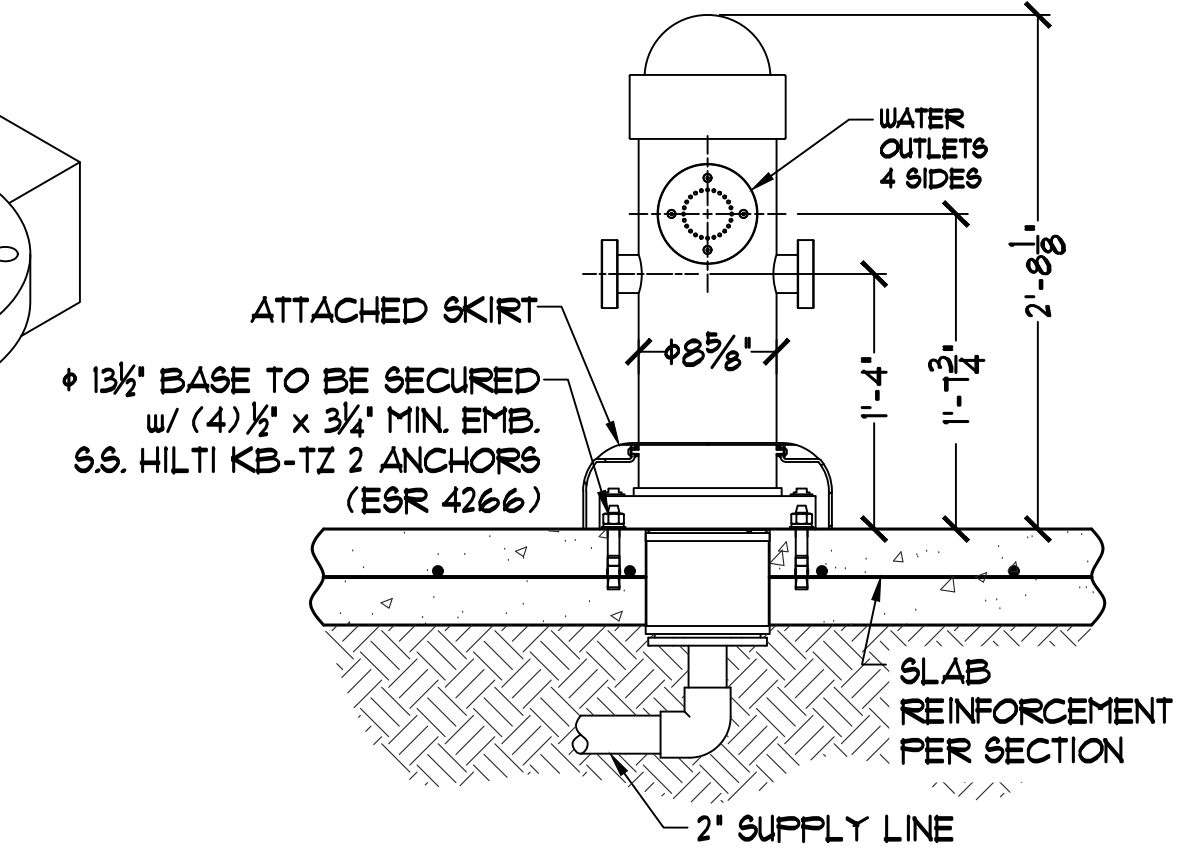
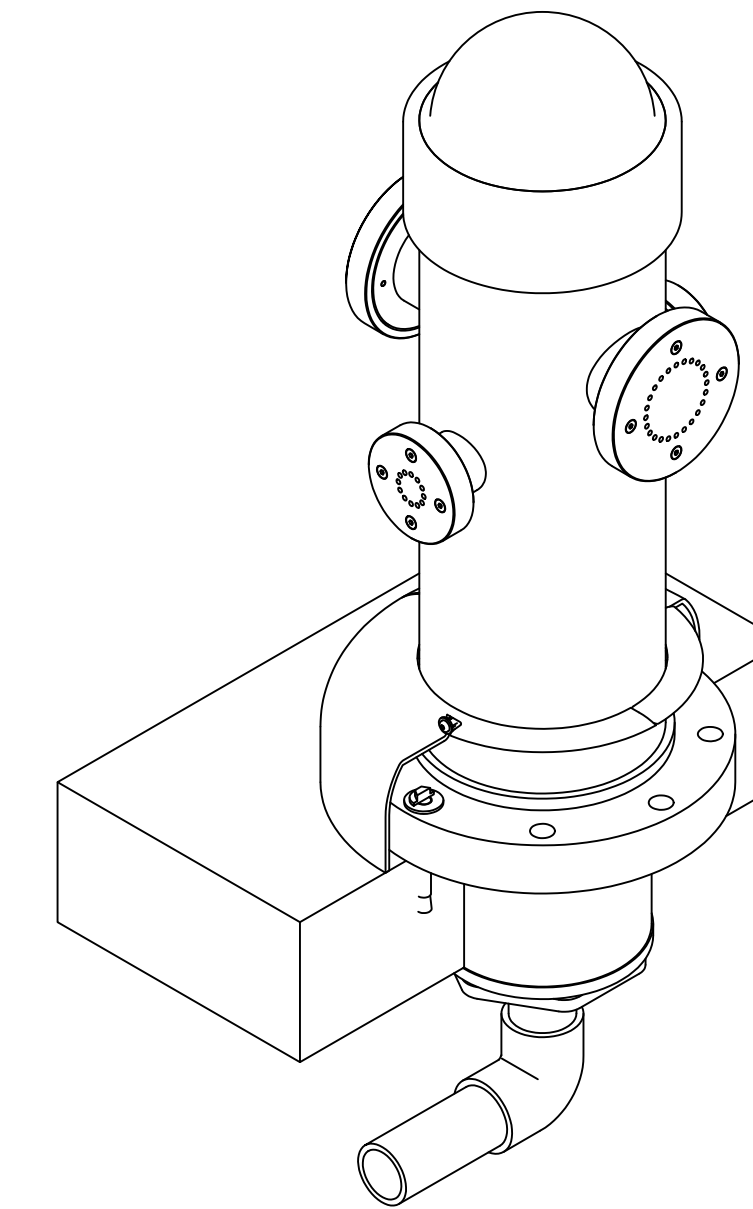
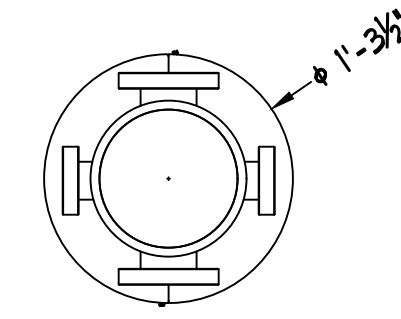


② HORNED LIZARD FEATURE DETAIL

N.T.S.

- NOTE:**
- 1 DO NOT EXCEED THE MAXIMUM FLOW RATE OF 93 GPM.
 - 2 CONCRETE MUST BE LEVEL 2'-0" IN DIAMETER CENTERED ON THE WATER SUPPLY.
 - 3 HEAD REQUIRED MEASURED FROM BASE OF FEATURE.
 - 4 SUPPLY LINE TO BE SOLVENT WELDED TO OMNIPOD FEATURE RECEIVER.
 - 5 CONCRETE TO BE 6" MINIMUM THICKNESS OR PER LOCAL CODE.
 - 6 ELEMENT TO BE BONDED TO SPLASH PAD REINFORCEMENT PER NEC 680.

AREA OF INFLUENCE:
5'2" DIAMETER
VARIES WITH FLOW

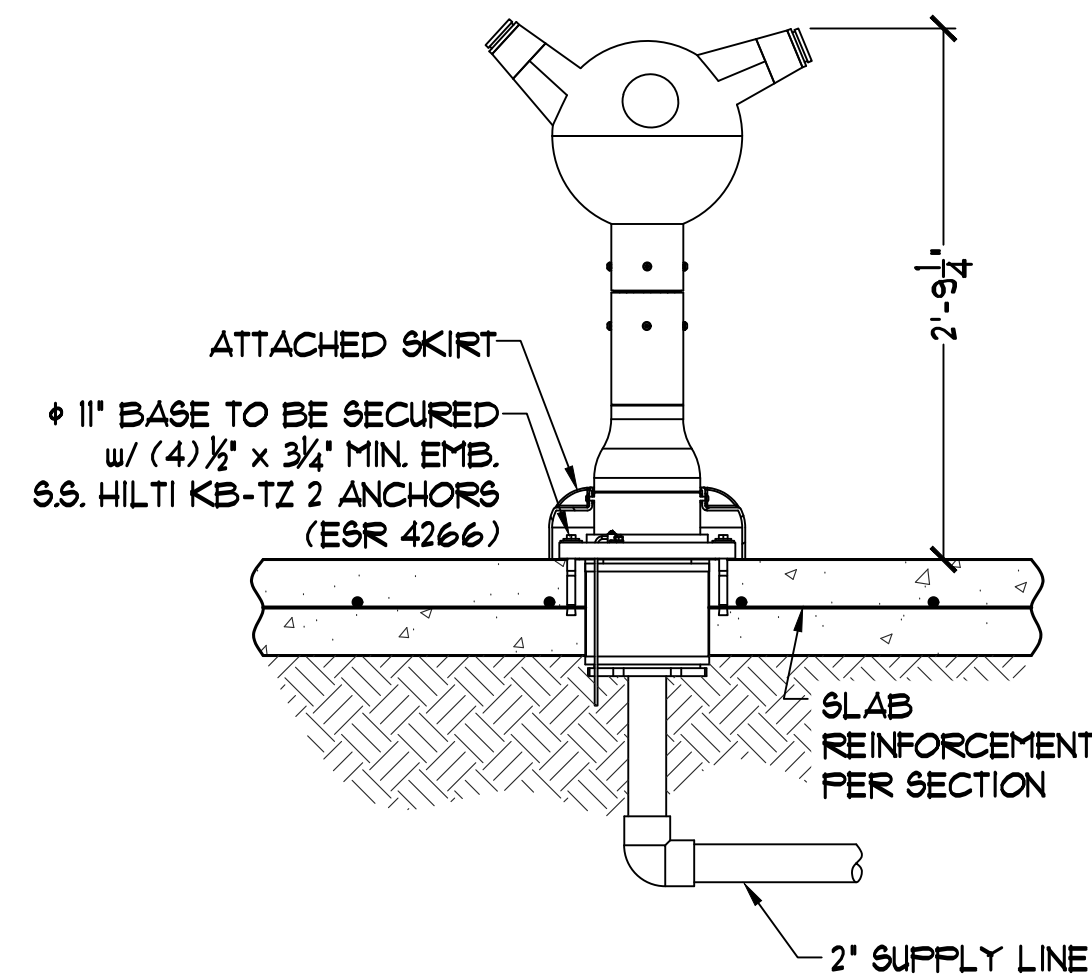
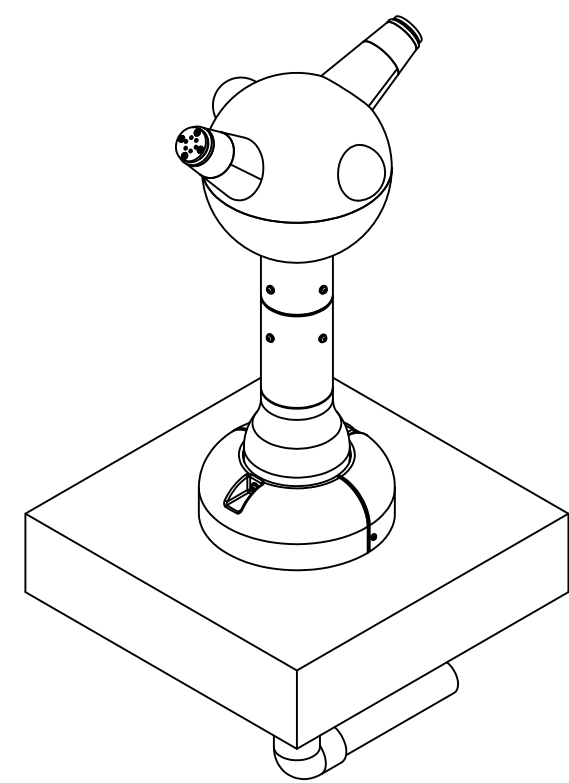
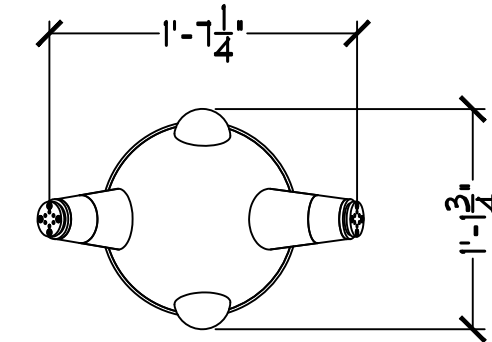


③ FIRE HYDRANT FEATURE DETAIL

N.T.S.

- NOTE:**
- 1 DO NOT EXCEED THE MAXIMUM FLOW RATE OF 15.6 GPM.
 - 2 CONCRETE MUST BE LEVEL 2'-0" IN DIAMETER CENTERED ON THE WATER SUPPLY.
 - 3 HEAD REQUIRED MEASURED FROM BASE OF FEATURE.
 - 4 SUPPLY LINE TO BE SOLVENT WELDED TO OMNIPOD FEATURE RECEIVER.
 - 5 CONCRETE TO BE 6" MINIMUM THICKNESS OR PER LOCAL CODE.
 - 6 ELEMENT TO BE BONDED TO SPLASH PAD REINFORCEMENT PER NEC 680.

AREA OF INFLUENCE:
5' L X 5' W
VARIES WITH FLOW

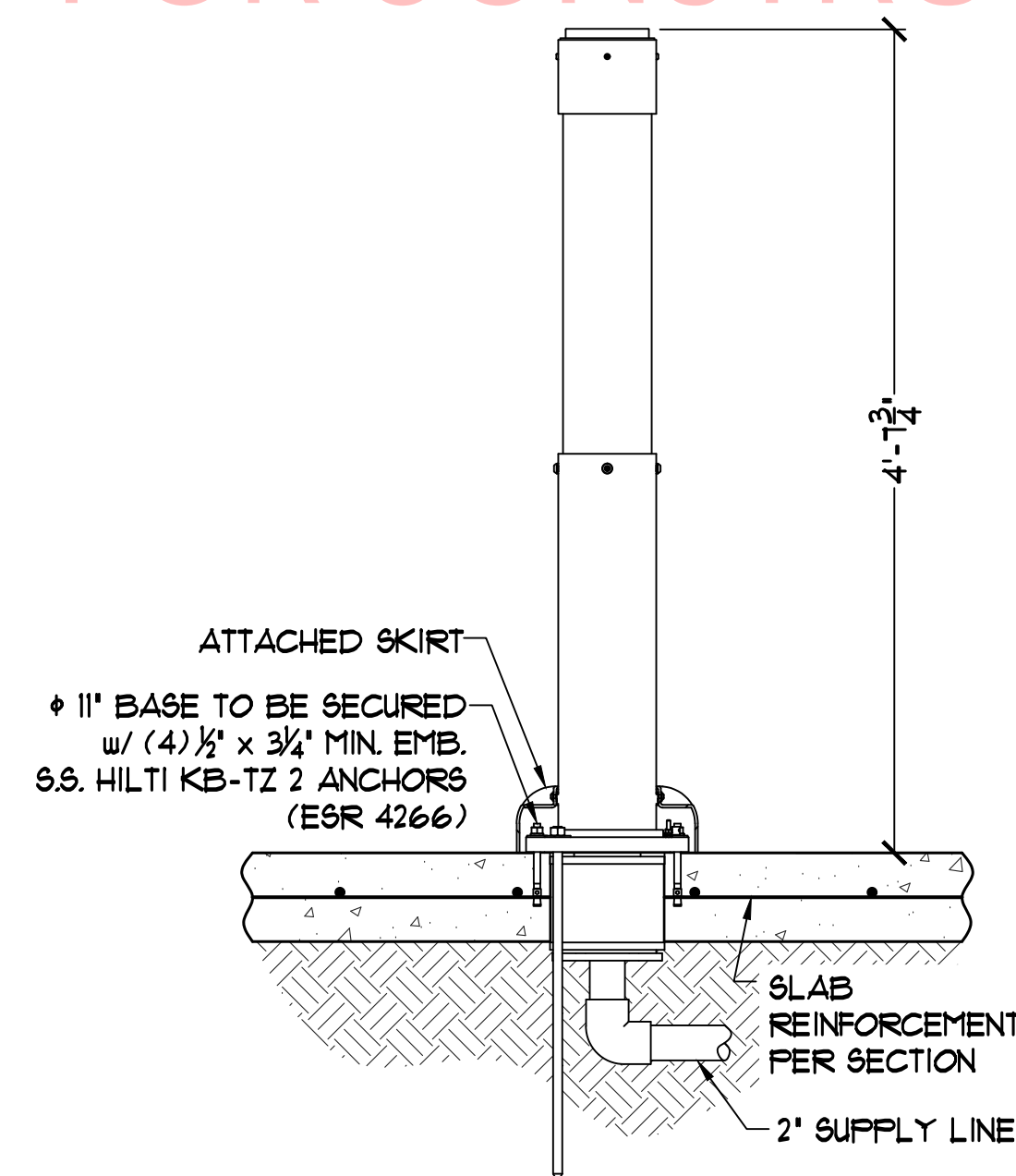
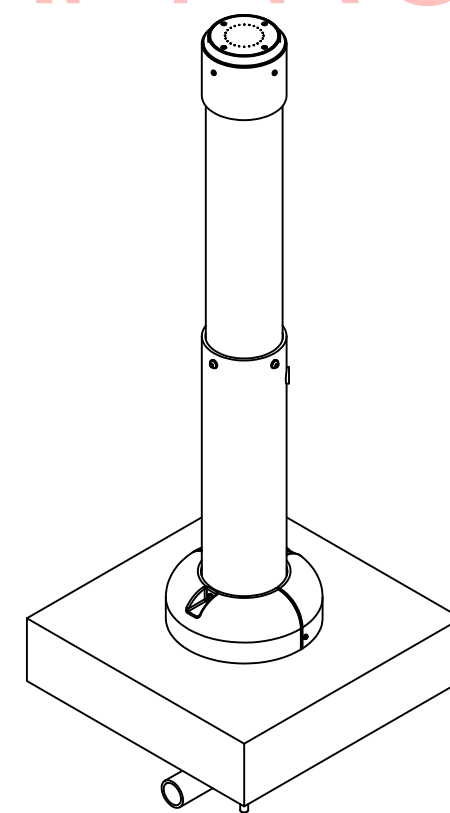
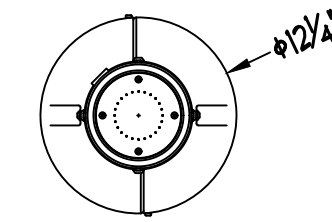


④ WHIRLY WHIFFER FEATURE SECTION

N.T.S.

- NOTE:**
- 1 DO NOT EXCEED THE MAXIMUM FLOW RATE OF 93 GPM.
 - 2 CONCRETE MUST BE LEVEL 2'-0" IN DIAMETER CENTERED ON THE WATER SUPPLY.
 - 3 HEAD REQUIRED MEASURED FROM BASE OF FEATURE.
 - 4 SUPPLY LINE TO BE SOLVENT WELDED TO OMNIPOD FEATURE RECEIVER.
 - 5 CONCRETE TO BE 6" MINIMUM THICKNESS OR PER LOCAL CODE.
 - 6 ELEMENT TO BE BONDED TO SPLASH PAD REINFORCEMENT PER NEC 680.

AREA OF INFLUENCE:
5'2" DIAMETER
VARIES WITH FLOW

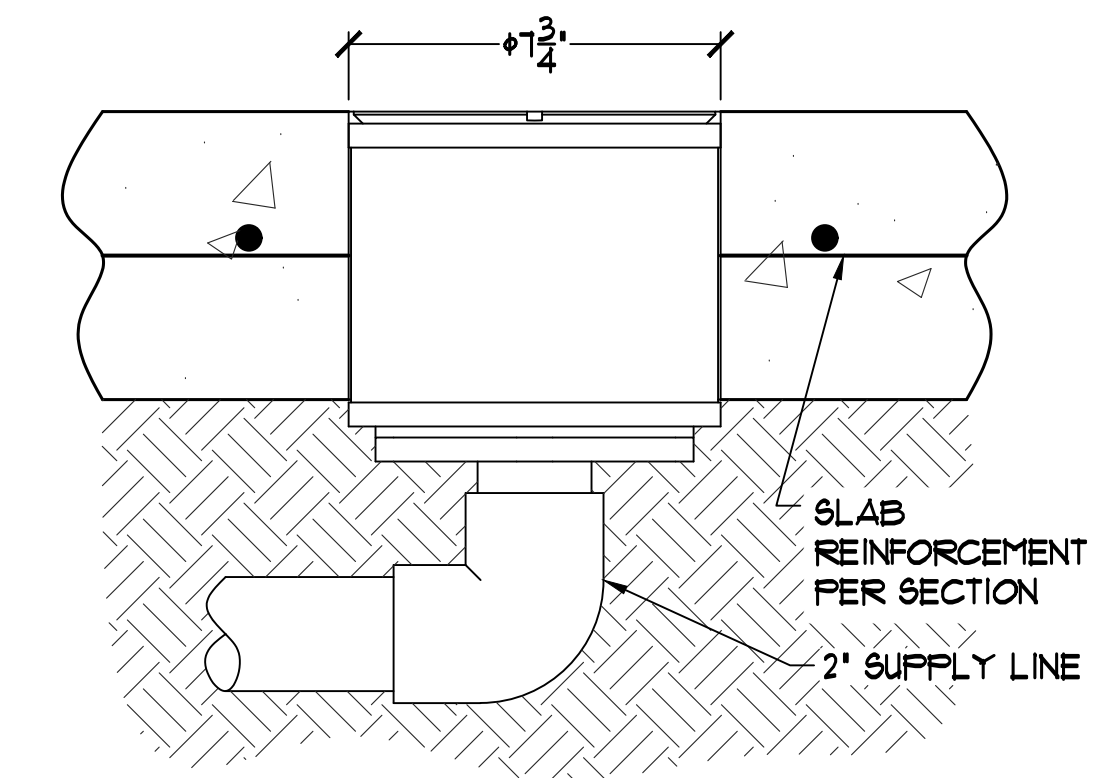
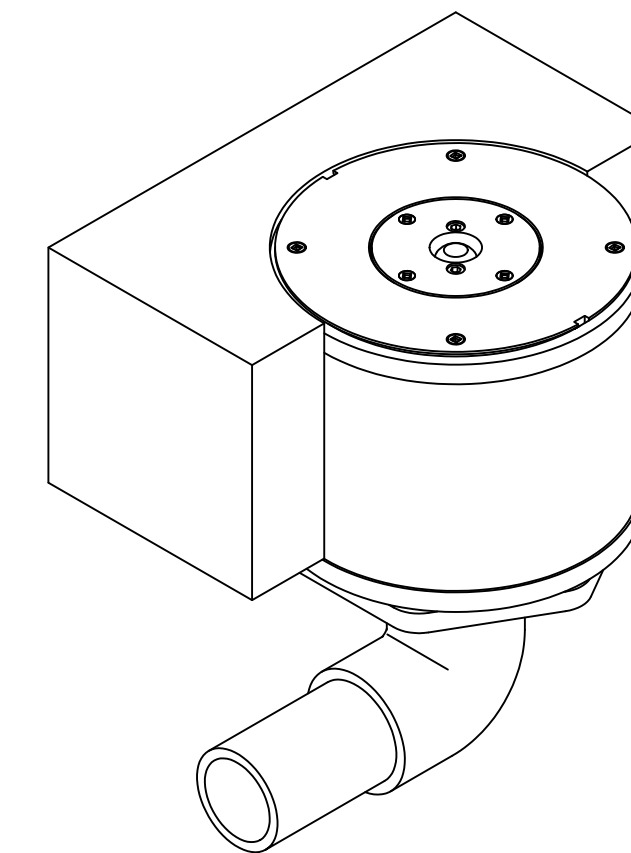
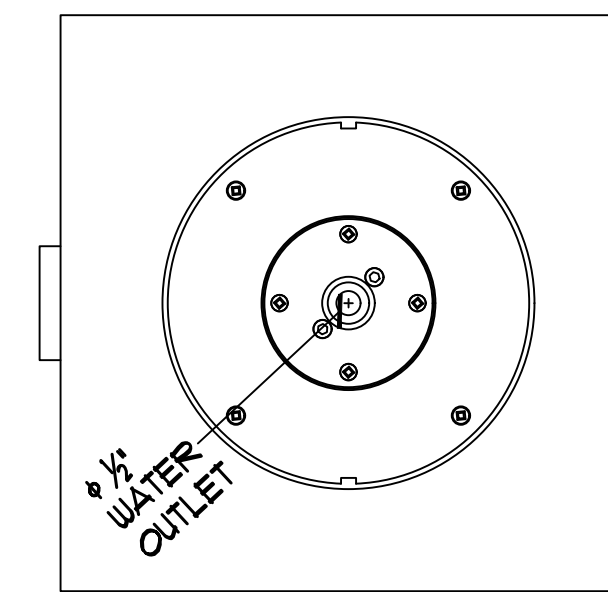


⑤ TORNADO TWISTER FEATURE SECTION

N.T.S.

- NOTE:**
- 1 DO NOT EXCEED THE MAXIMUM FLOW RATE OF 15.6 GPM.
 - 2 CONCRETE MUST BE LEVEL 2'-0" IN DIAMETER CENTERED ON THE WATER SUPPLY.
 - 3 HEAD REQUIRED MEASURED FROM BASE OF FEATURE.
 - 4 SUPPLY LINE TO BE SOLVENT WELDED TO OMNIPOD FEATURE RECEIVER.
 - 5 CONCRETE TO BE 6" MINIMUM THICKNESS OR PER LOCAL CODE.
 - 6 ELEMENT TO BE BONDED TO SPLASH PAD REINFORCEMENT PER NEC 680.

AREA OF INFLUENCE:
5'2" DIAMETER
VARIES WITH FLOW



⑥ UPSTREAM JET FEATURE SECTION

N.T.S.

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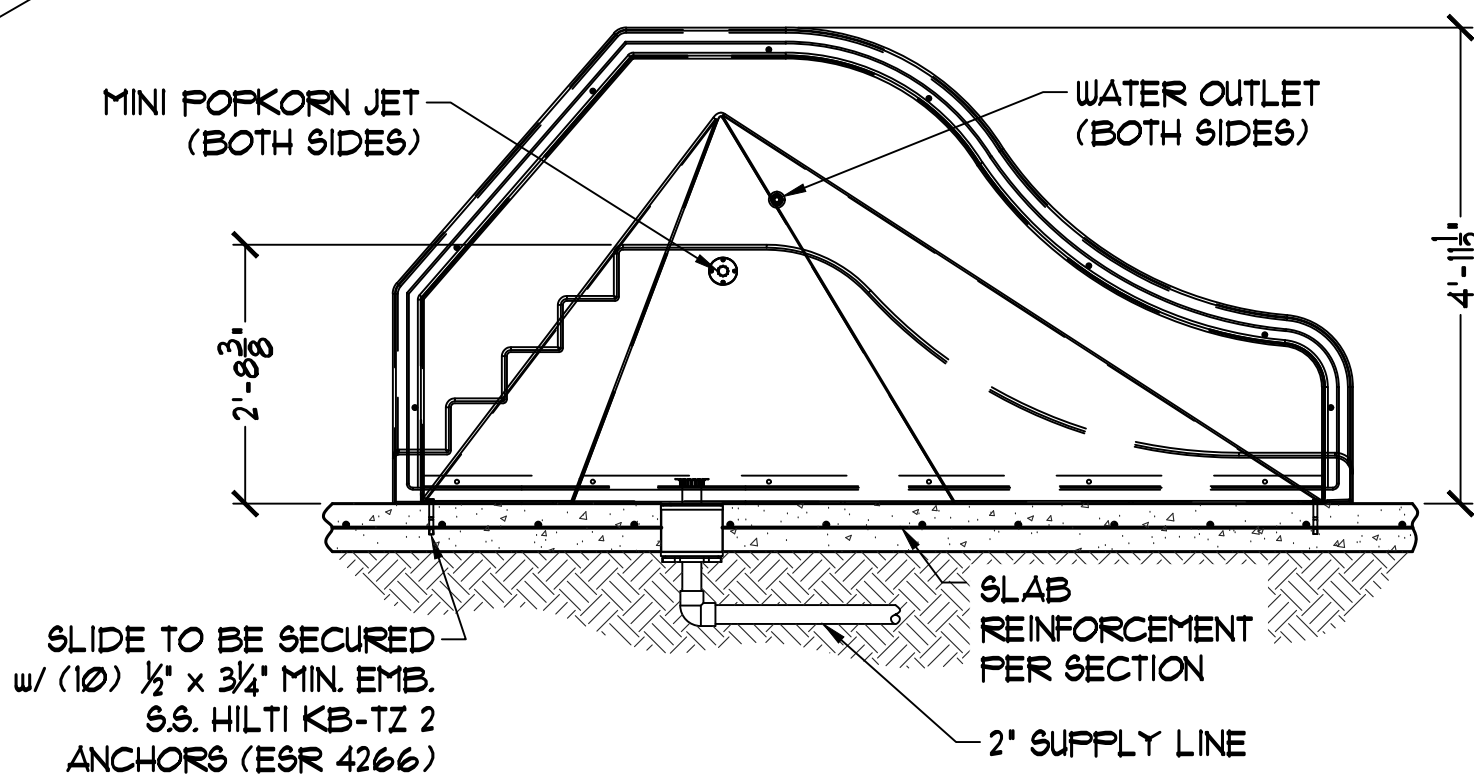
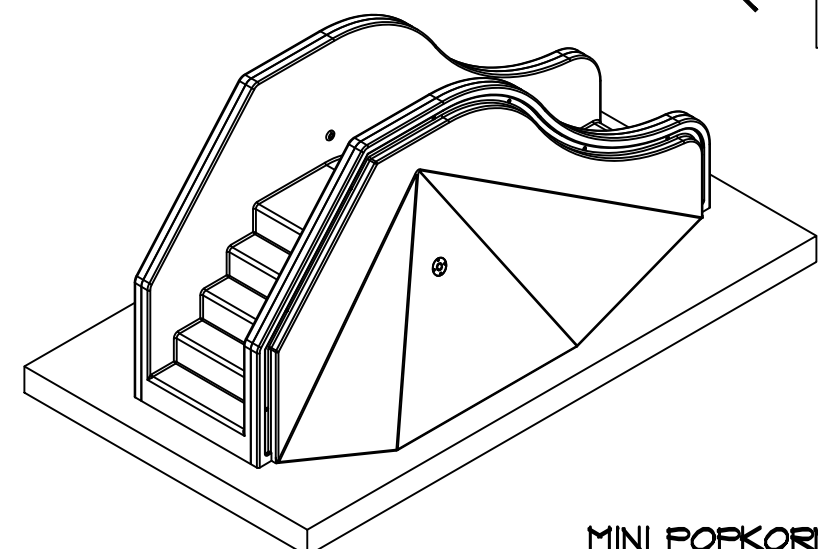
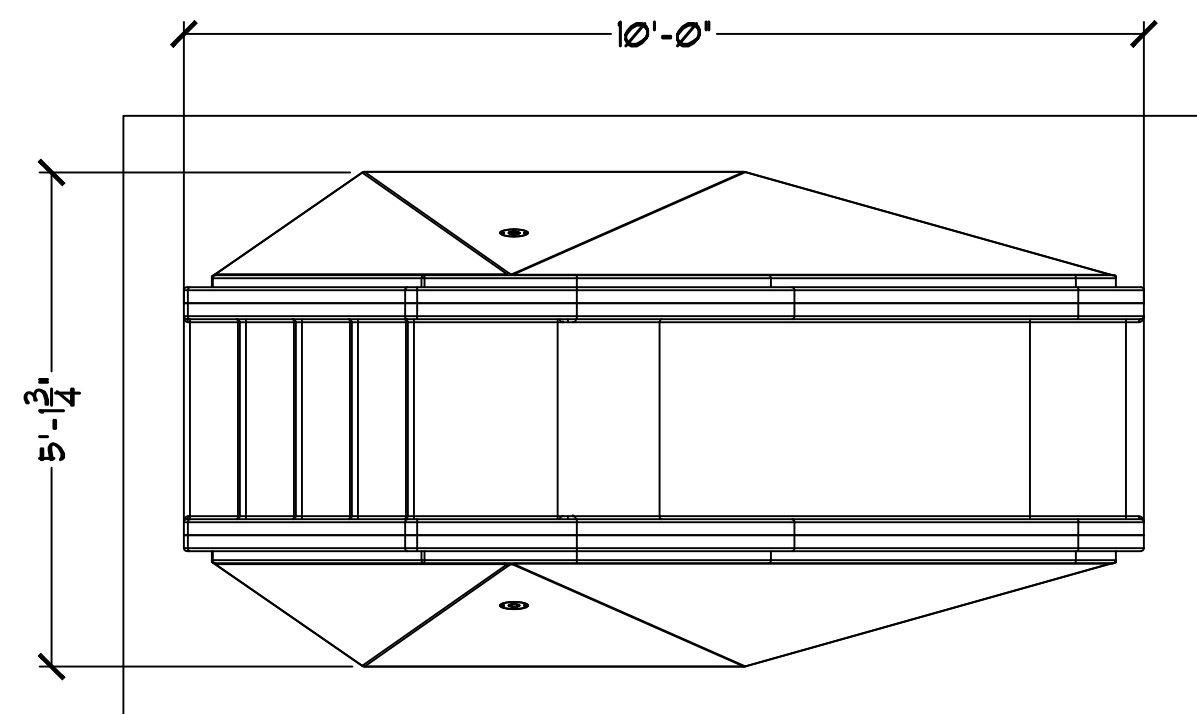
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NOTE:

- #1 DO NOT EXCEED THE MAXIMUM FLOW RATE OF 15 GPM.
- #2 CONCRETE MUST BE LEVEL 2'-0" IN DIAMETER CENTERED ON THE WATER SUPPLY.
- #3 HEAD REQUIRED MEASURED FROM BASE OF FEATURE.
- #4 SUPPLY LINE TO BE SOLVENT WELDED TO OMNIPOD FEATURE RECEIVER.
- #5 CONCRETE TO BE 6" MINIMUM THICKNESS OR PER LOCAL CODE.
- #6 ELEMENT TO BE BONDED TO SPLASH PAD REINFORCEMENT PER NEC 680.



① AQUA RUN FEATURE DETAIL

NOTE:

- #1 CONCRETE MUST BE LEVEL 2'-0" IN DIAMETER CENTERED ON THE CONDUIT.
 - #2 CONDUIT LINE TO BE STUBBED UP THROUGH THE CONCRETE AND FIELD CUT TO CONNECT THE FEATURE ACCORDINGLY.
 - #3 CONCRETE TO BE 6" MINIMUM THICKNESS OR PER LOCAL CODE.
 - #6 ELEMENT TO BE BONDED TO SPLASH PAD REINFORCEMENT PER NEC 680.
- ELECTRICAL SPECIFICATIONS:**
- SUPPLY VOLTAGE 12 V TO 30 V DC
 - SUPPLY CURRENT < 75 MA MAX CURRENT AT 12 V DC (EXCLUSIVE OF LOAD) < 50 MA MAX CURRENT AT 30 V DC (EXCLUSIVE OF LOAD)
 - SUPPLY PROTECTION CIRCUITRY PROTECTED AGAINST REVERSE POLARITY AND TRANSIENT VOLTAGES
 - OUTPUT RATING MAXIMUM LOAD: 150 MA
 - ON-STATE SATURATION VOLTAGE: < 2 V DC AT 10 MA; < 25 V DC AT 150 MA
 - OFF-STATE LEAKAGE CURRENT: < 10 MA AT 30 V DC
 - OUTPUT RESPONSE TIME: 50 MILLISECONDS ON AND OFF

OPERATING CONDITIONS

- TEMPERATURE: -40 °C TO +50 °C (-40 F TO +122 F)
- HUMIDITY: 90% AT 50 °C MAXIMUM RELATIVE HUMIDITY (NON-CONDENSING)

ENVIRONMENTAL RATING

- IEC IP67, IP69K PER DIN 40050-9.
- CABLED MODELS ALSO MEET IP69K IF THE CABLE AND CABLE ENTRANCE ARE PROTECTED FROM HIGH PRESSURE SPRAY.

CABLE

- 19T (60 METER) CABLE PROVIDED WITH ACTIVATOR

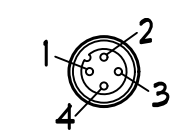
FUNCTION:

- JOB LIGHT IS ILLUMINATED RED WHILE JOB INPUT IS ACTIVE
- TOUCH ACTIVATES OUTPUT AND OVERRIDES JOB LIGHT (TURNS GREEN FOR 3 SEC.) FOR VISUAL VERIFICATION THAT ACTION WAS SENSED

COLOR OPTIONS

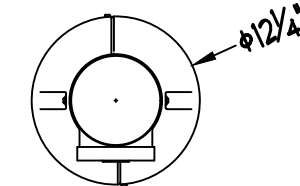
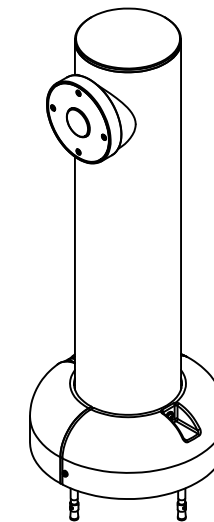
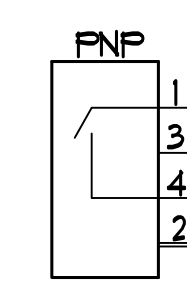
- GREEN, YELLOW, RED, BLUE, WHITE, TURQUOISE, ORANGE, VIOLET, MAGENTA, NOT USED

PINOUT (FEMALE)

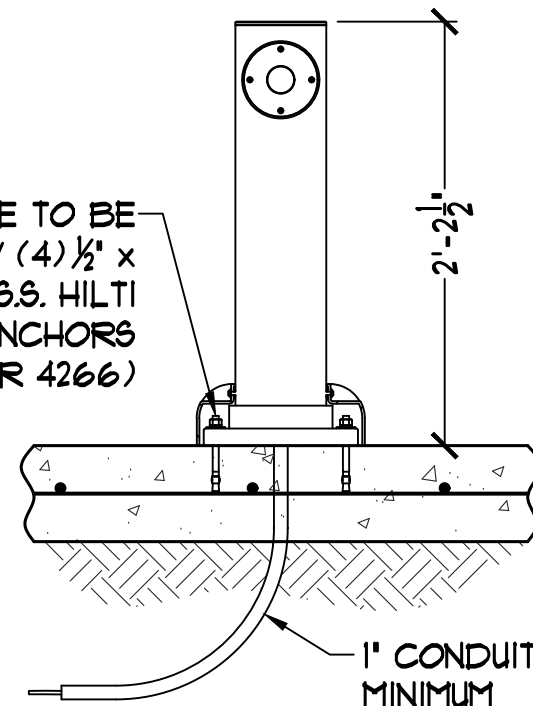


COLOR KEY

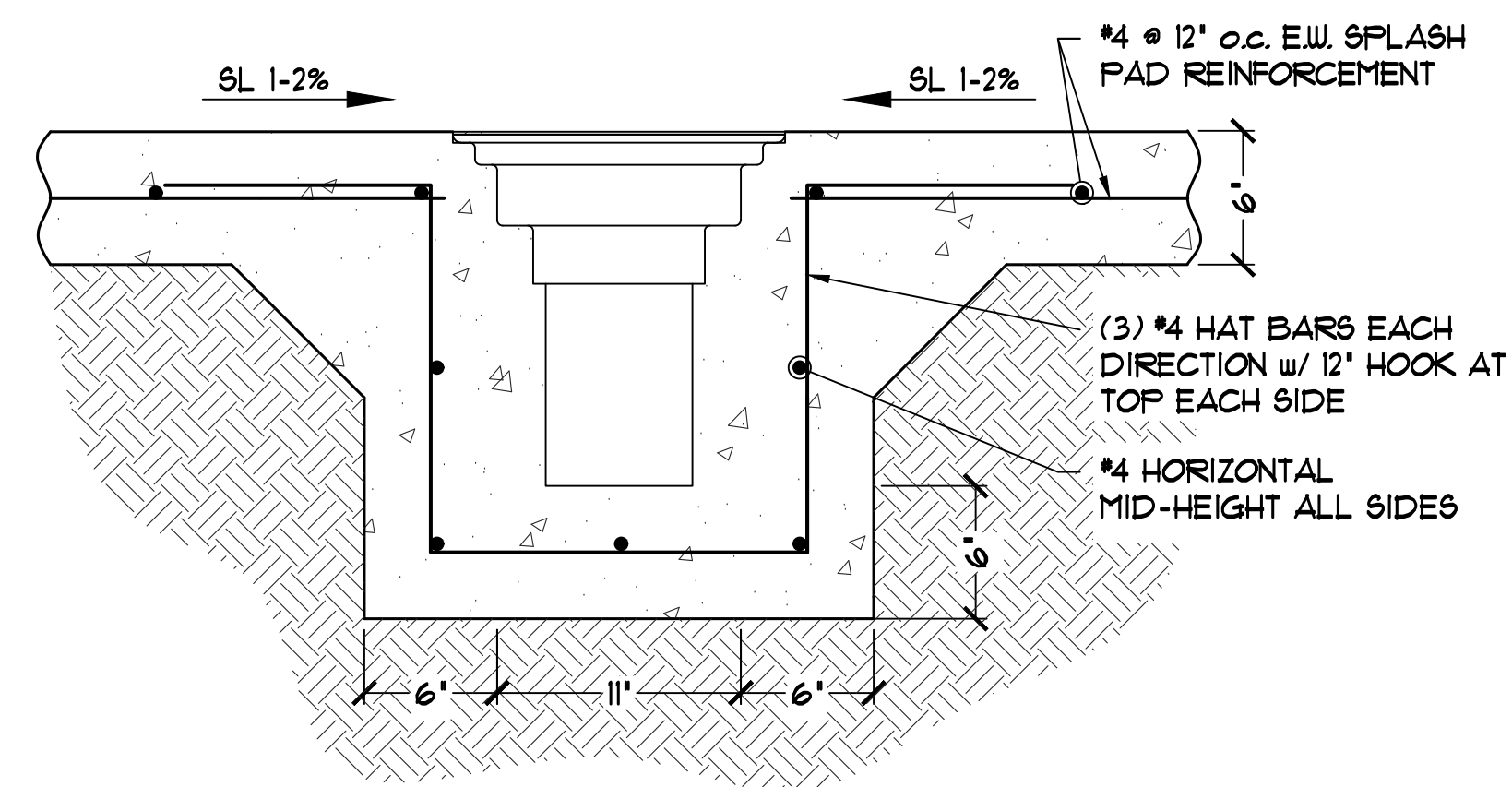
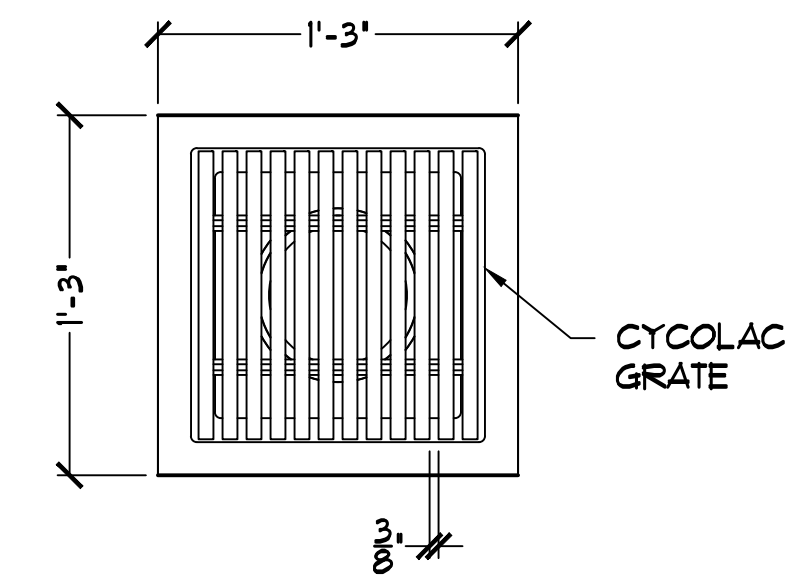
- 1= BROWN
- 2= WHITE
- 3= BLUE
- 4= BLACK



#11" BASE TO BE SECURED w/ (4) 1/2" x 3/4" MIN. EMB. S.S. HILTI KB-TZ 2 ANCHORS (EQR 4266)



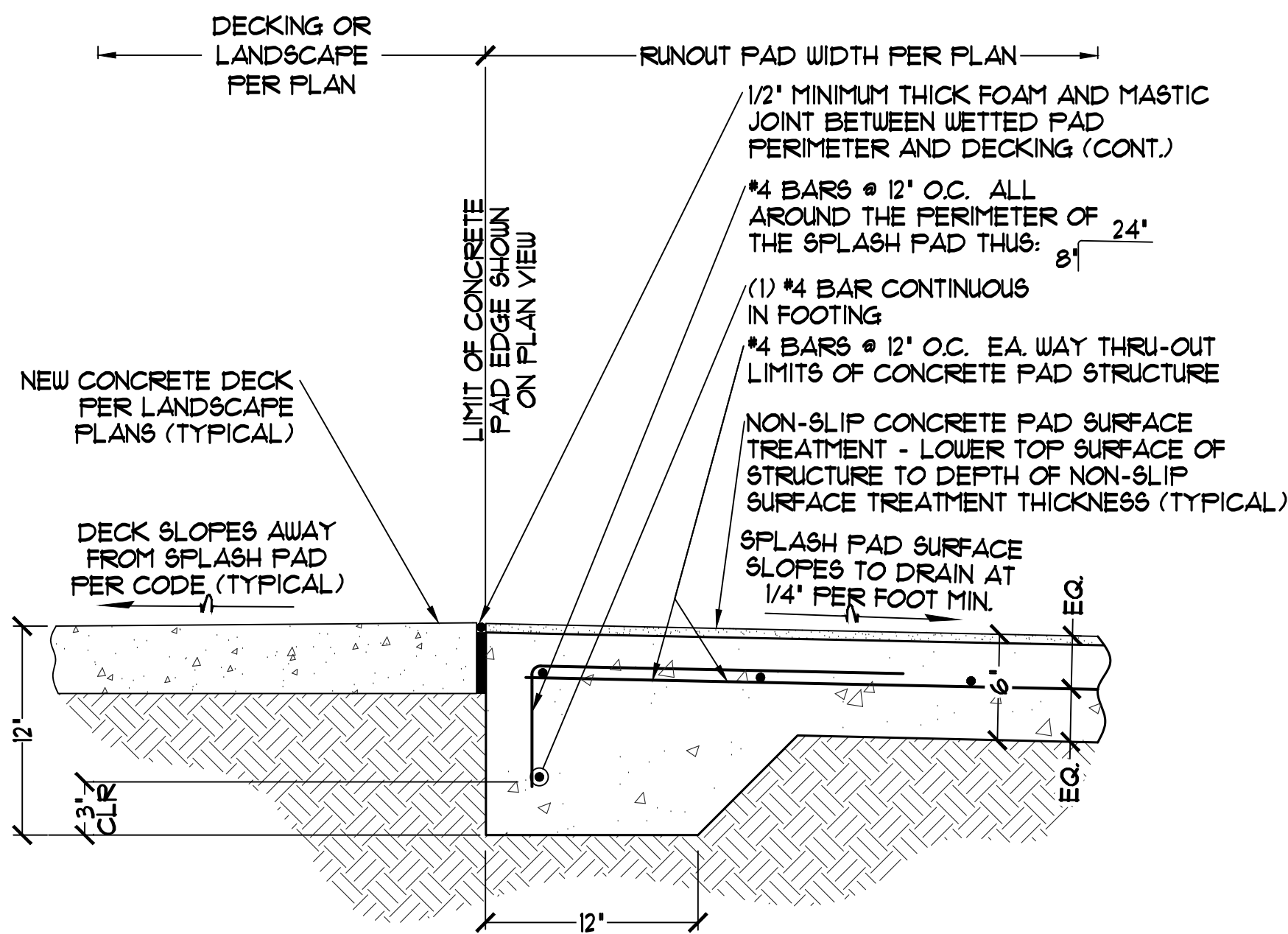
② ACTIVATION BOLLARD DETAIL



NOTE: DRAIN CAPACITY OF 250 GPM AT 15 FPS THROUGH GRATE FOR 6" OUTLET

③ DRAIN DETAIL

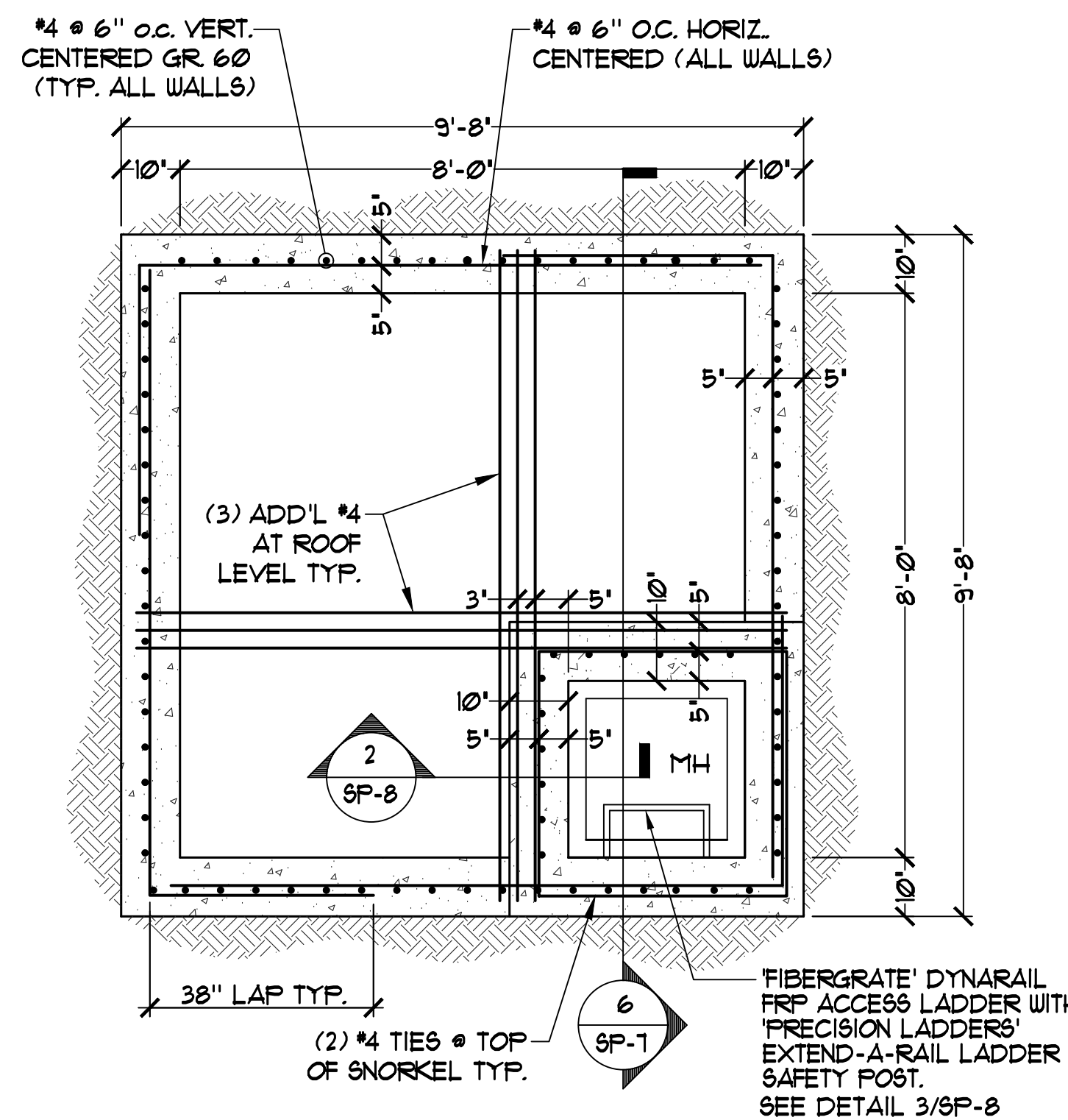
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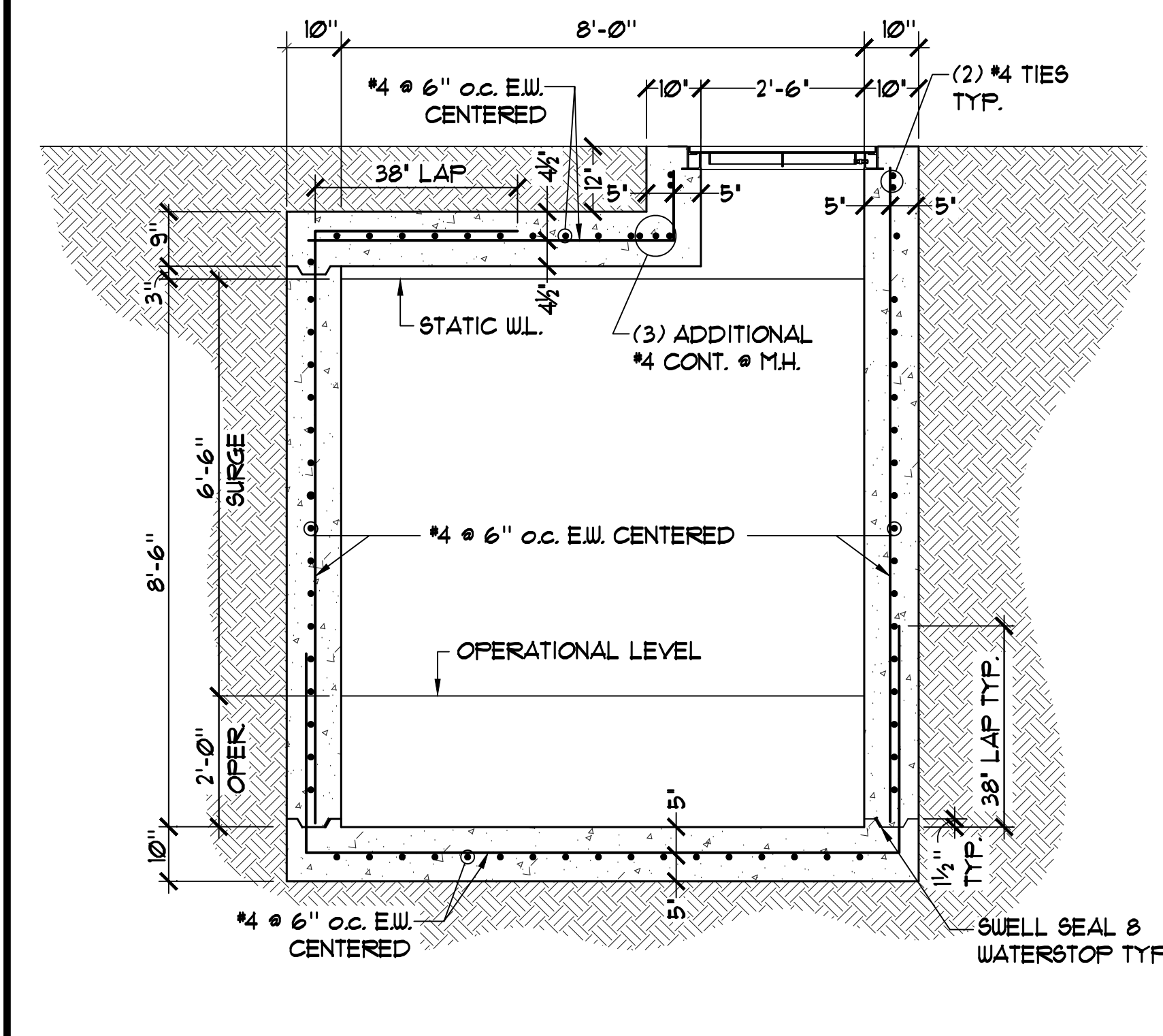
STRUCTURAL NOTES:

1. CONCRETE IN SPLASH PAD FLOOR SHALL BE TYPE V PER ACI 318 SECTIONS 4.3 & 4.4 AND SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI UON.
2. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
3. THE MINIMUM LAP FOR ALL REINFORCING SHALL BE 48 BAR DIAMETERS.
4. ALL REINFORCING SHALL BE PROPERLY SECURED IN POSITION PRIOR TO POURING CONCRETE.
5. THE WALLS OF ANY STRUCTURE SHALL NOT BE BACKFILLED UNTIL AFTER THE CAST-IN-PLACE CONCRETE HAS ACHIEVED IT'S FULL DESIGN STRENGTH.

④ SPLASH PAD EDGE DETAIL



⑤ SURGE CHAMBER LAYOUT PLAN



⑥ SURGE CHAMBER SECTION

Rev.	Date

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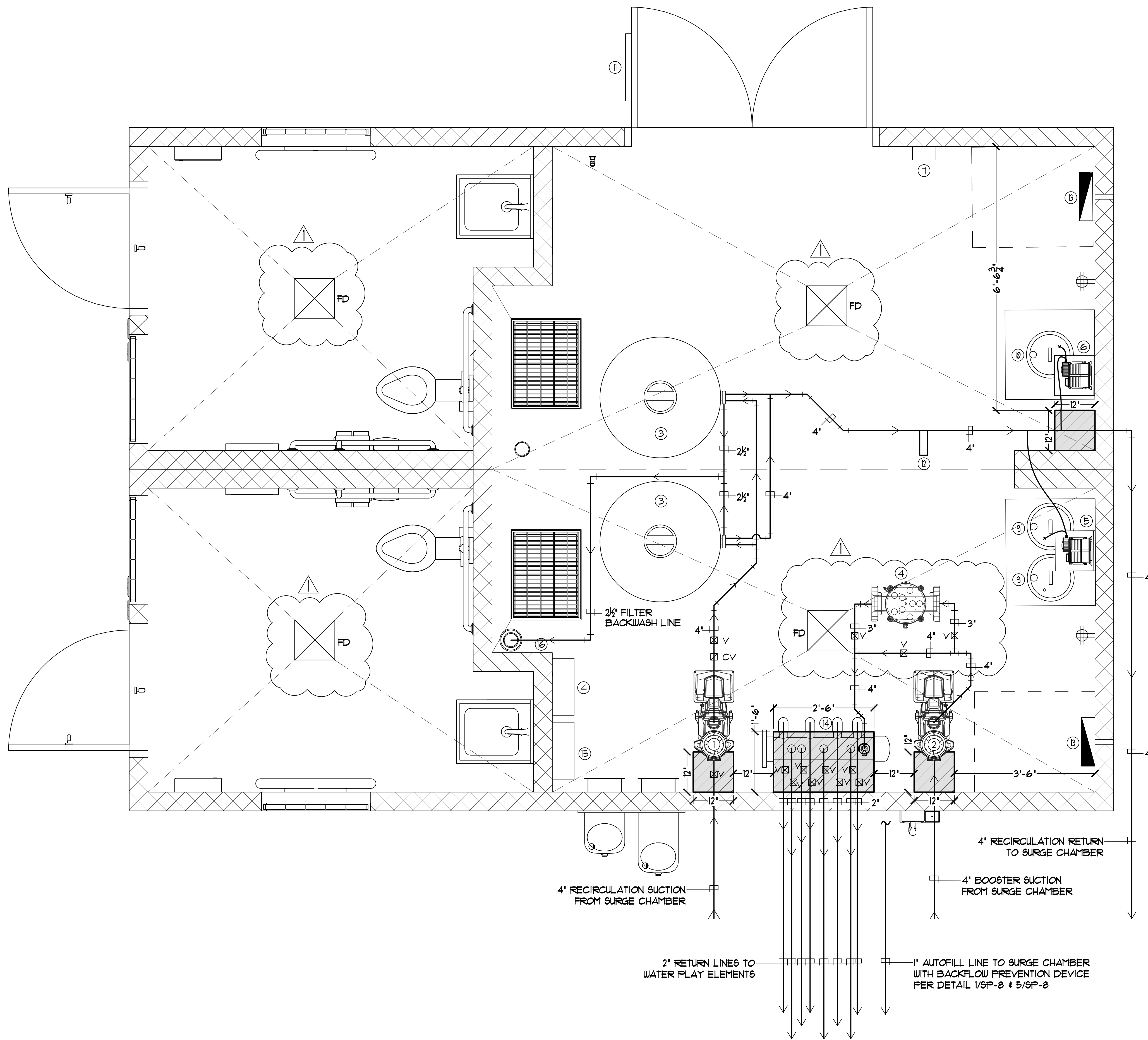
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SPLASH PAD DATA

- SPLASH PAD SURFACE AREA = 838 SQ. FT.
- SPLASH PAD PERIMETER = 121'-6"
- SURGE CHAMBER VOLUME = 4,069 SQ. FT.
- 20 MIN. TURNOVER = 200 GPM

LEGEND

- FD = FLOOR DRAIN
- = BLOCK OUT THESE AREAS IN CONCRETE FLOOR FOR PIPING INSTALLATION

SPLASH PAD EQUIPMENT LIST

- ① RECIRCULATION PUMP: PENTAIR WHISPERFLO XF V8, 5HP, 208V, 3 PH 200 GPM @ 60' TDH, 3" SUCTION / 3" DISCHARGE, (95 LB.) (1) TOTAL
- ② BOOSTER PUMP: PENTAIR WHISPERFLO XF V8, 5HP, 208V, 3 PH 200 GPM @ 60' TDH, 3" SUCTION / 3" DISCHARGE, (95 LB.) (1) TOTAL
- ③ FILTERS: WATERCO 8M36 SAND FILTER, 141 GPM w/ 1.05 SQ. FT. FILTER AREA @ 20 GPM/SQ. FT., 36" DIA. TANK, 2200 LB OPERATING WEIGHT. (2) TOTAL, 282 GPM TOTAL
- ④ ULTRA VIOLET STERILIZER: CHLOROXING SAG 480APVC-CR, (4) HIGH OUTPUT AMALGAM LAMPS, PRODUCES 48 GRAMS OF OZONE PER HOUR, 120 V, 4.8 AMPS, 352 GPM MAX FLOW, 4" DIA INF/EFF. (312 LB.) (1) TOTAL
- ⑤ CHLORINE FEED PUMP: STENNER 45M5 45 GPD @ 25 PSI WITH FRP SHELF BRACKETS, 120V, 1PH 1.7AMPS, HARD PIPE TO POINT OF INJECTION. (9LBS. ONE) (1) TOTAL.
- ⑥ ACID FEED PUMP: STENNER 45M5 45 GPD @ 25 PSI WITH FRP SHELF BRACKETS, 120V, 1PH 1.7AMPS, HARD PIPE TO POINT OF INJECTION. (9LBS.) ONE (1) TOTAL.
- ⑦ WATER CHEMISTRY CONTROLLER: BECSYS3 WATER CHEMISTRY CONTROLLER WITH pH, ORP, SENSORS MOUNTED IN LED LIGHTED FLOWCE WITH INTEGRAL SAFETY FLOWSWITCH, POWER LOOP SUPPLIES FOR SENSOR INPUTS, MOUNTED ON A PVC BACKPLATE. 120v. 1ph 9.125amps. ONE (1) TOTAL

MECHANICAL ROOM EQUIPMENT LIST

- ⑧ AUTO FILL SYSTEM: LEVELOR II MODEL K-2100
- ⑨ CHLORINE CONTAINER: 15 GALLON CARBOY ON SECONDARY CONTAINMENT BASIN WITH GRATE. SEISMICALLY RESTRAINED. ONE (1) TOTAL.
- ⑩ ACID CONTAINER: 15 GALLON CARBOY ON SECONDARY CONTAINMENT BASIN WITH GRATE. SEISMICALLY RESTRAINED. ONE (1) TOTAL.
- ⑪ HAZARDOUS INFORMATION SIGNAGE
- ⑫ FLOWMETER: FLOWV6 MODEL FV-C, NSF 50 CERTIFIED TO 50 PSI. ONE (1) TOTAL.
- ⑬ ELECTRICAL: PROVIDE ALL ELECTRICAL WIRING, CONDUIT, STARTER/DISCONNECT INTERCONNECT(S) ETC. AS REQUIRED FOR PROPER EQUIPMENT INSTALLATION
- ⑭ WATER PLAY FEATURE MANIFOLD
- ⑮ WATER PLAY FEATURE CONTROLLER
- ⑯ FILTER BACKWASH PIPE RECEPTOR: 6" DIAMETER REDUCED TO 4" DIAMETER

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1	9-18-25

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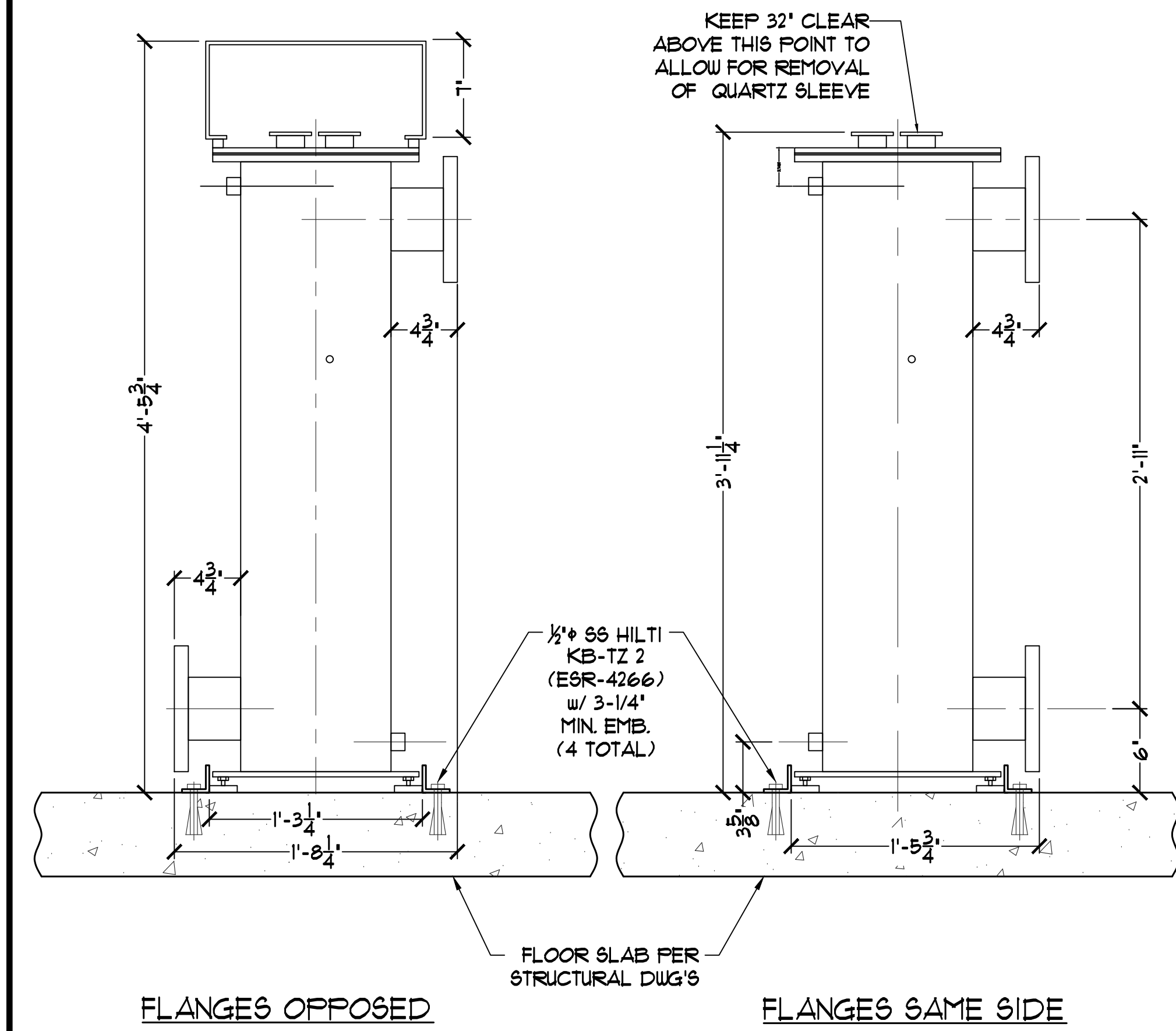
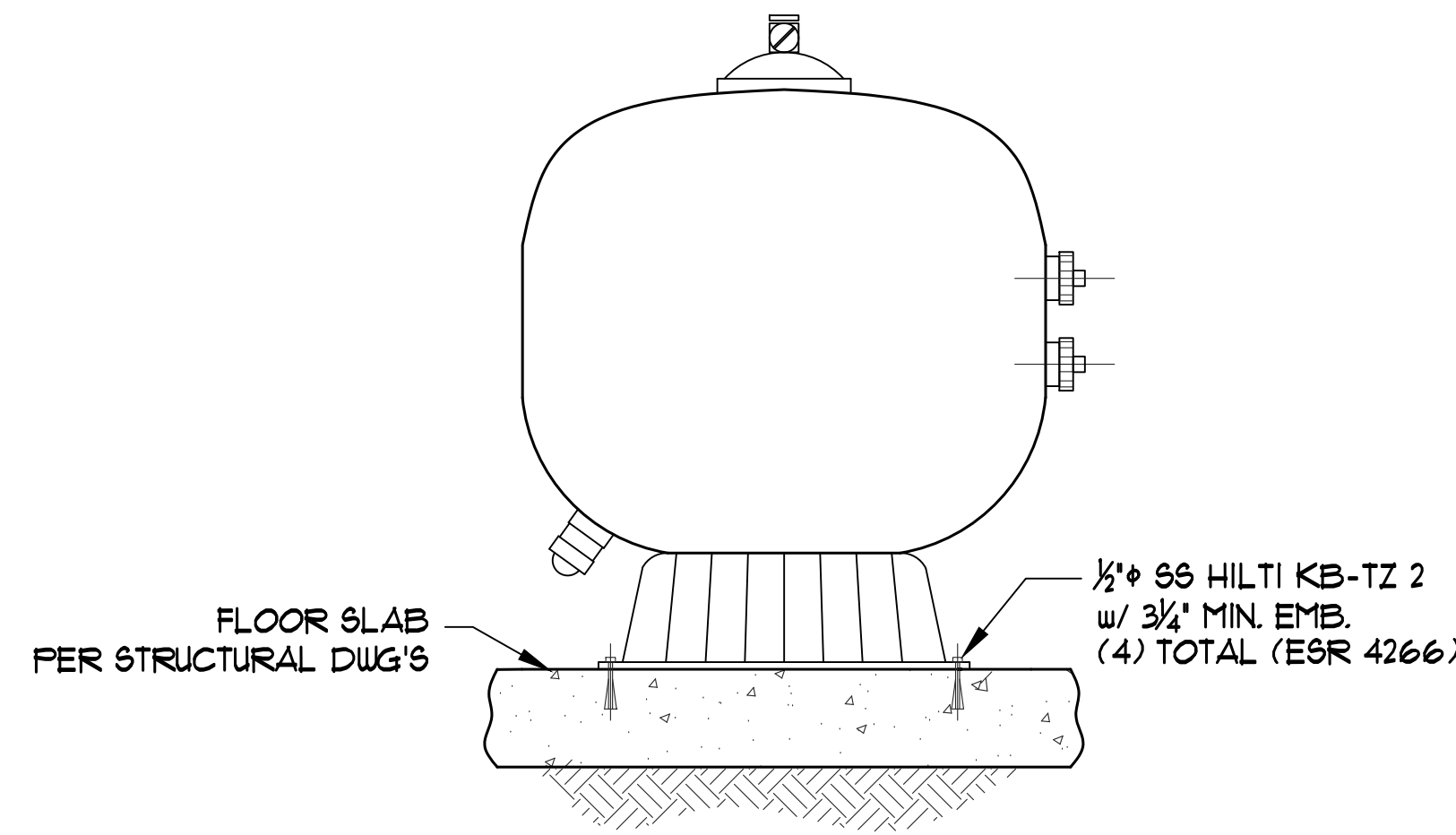
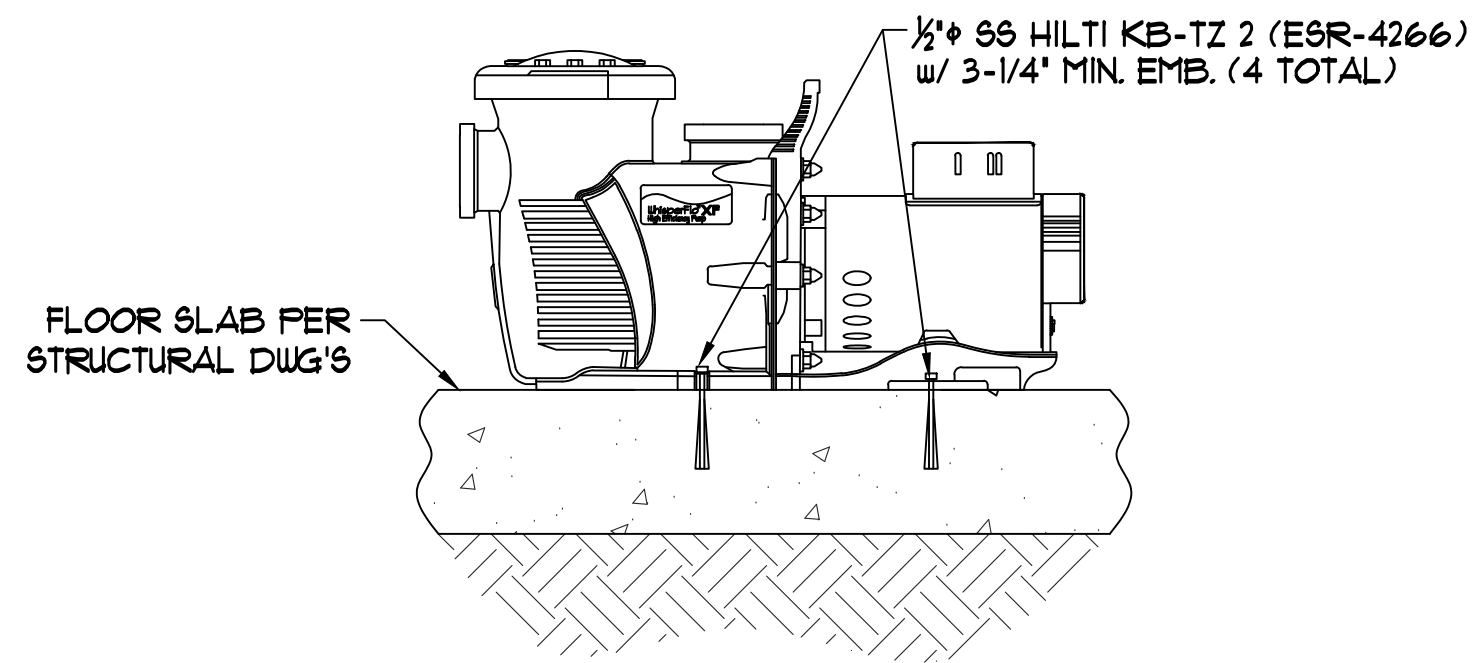
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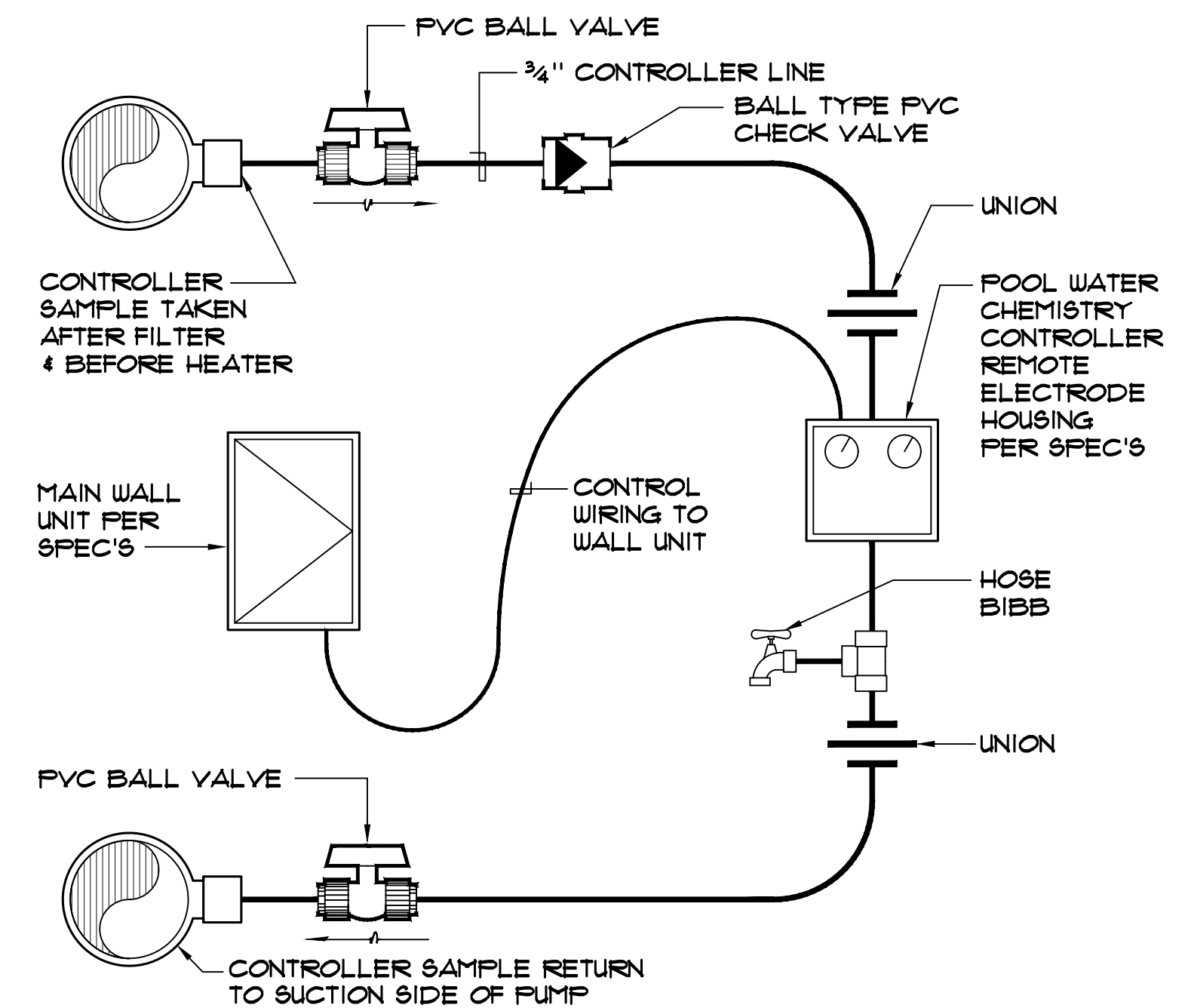
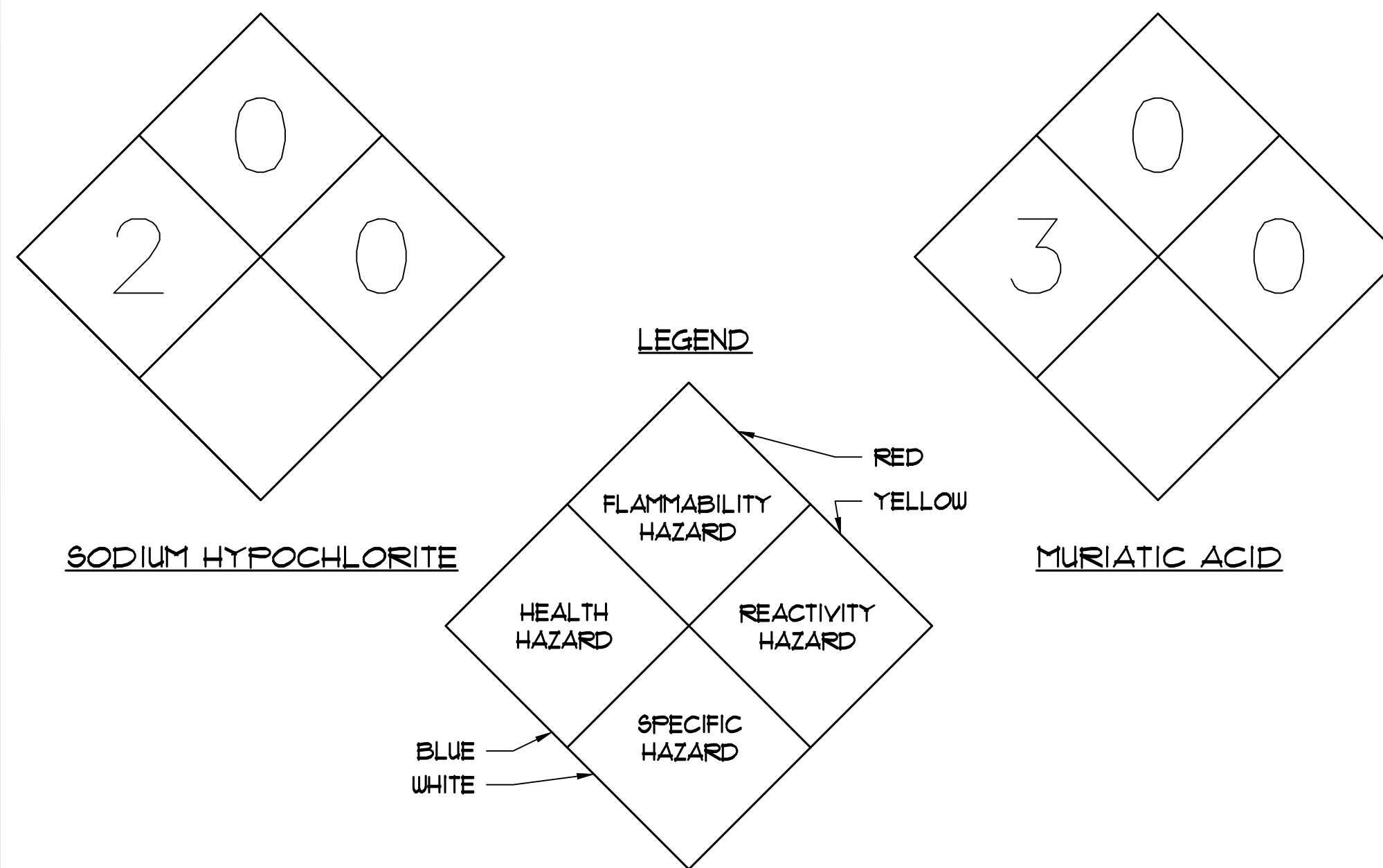
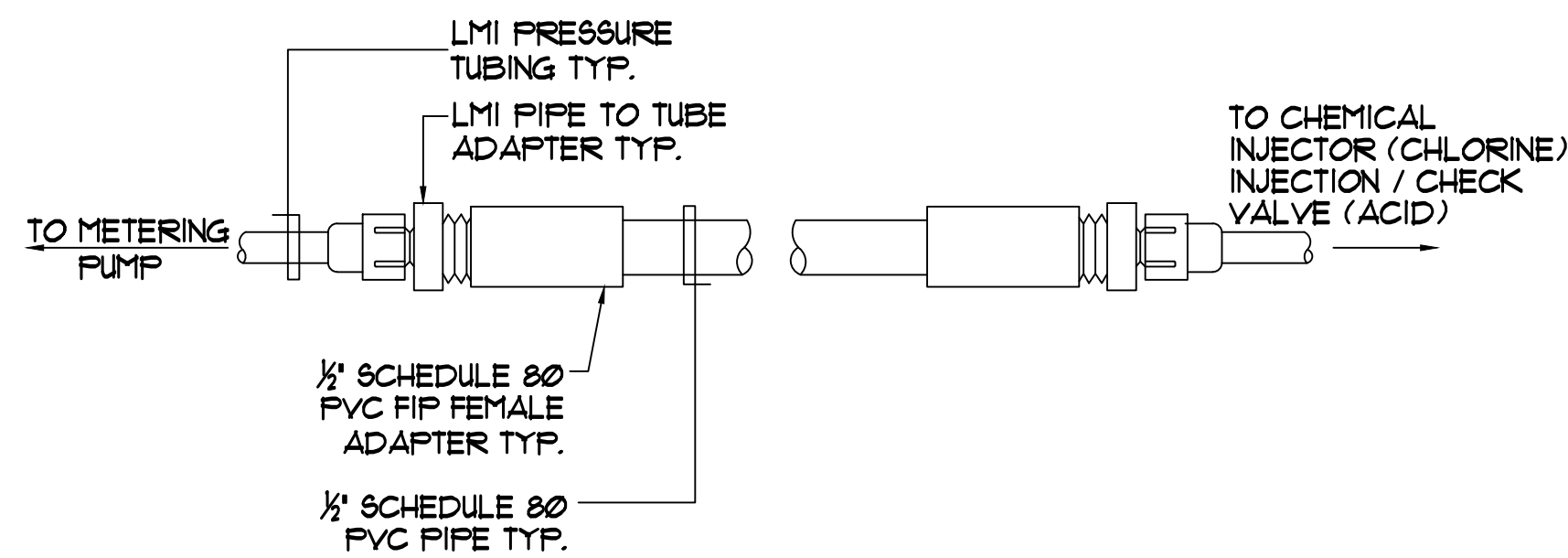
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① PUMP ANCHORAGE DETAIL

N.T.S. ② FILTER ANCHORAGE DETAIL

N.T.S. ③ UV SYSTEM ANCHORAGE DETAIL

N.T.S.



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④ CHEMICAL FEED PIPE

N.T.S. ⑤ HAZARDOUS INFORMATION SIGNAGE

N.T.S. ⑥ WATER CHEMISTRY CONTROLLER SCHEMATIC

N.T.S.

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