

1
AQ0.0
1/8" = 1'-0"

DESIGN DATA				
	UNITS	LAP POOL	WELLNESS POOL	SPA
LENGTH	FT. IN.	75'-0 3/4"	34'-6"	13'-6"
WIDTH	FT. IN.	48'-0"	30'-6"	8'-9"
WATER SURFACE AREA	SQ. FT.	3,654	1,053	107
PERIMETER	FT.	256	131	45
VOLUME	GALLON	151,595	32,634	1,892
RECIRCULATION SYSTEM				
POOL TURNOVER RATE	HOURLY	4.21	0.91	0.23
RECIRCULATION RATE	GPM	600	600	140
SURGE CAPACITY	GALLON	3,703	1,915	N/A
SEWER CAPACITY	GPM	REFER TO CIVIL		
BATHER LOAD	PERSON	221	70	7

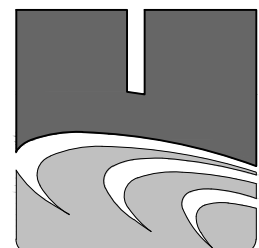
- GENERAL POOL NOTES
1. DENOTES WATER DEPTH FROM WATER LEVEL.
 2. POOL FINISH MUST BE A PROPRIETARY AGGREGATE PLASTER WITH A 6" CERAMIC TILE BAND AND A 1'-4" PERIMETER TILE BAND WITH TILE DECK MARRIAGES.
 3. SPA FINISH MUST BE FULLY TILED WITH TILE DEPTH AND WARNING MARKERS.
 4. ALL POOL FLOOR AREAS 18" AND SHALLOWER AND ALL STAIR TREADS MUST HAVE A SLIP RESISTANT FINISH.
 5. TYPICAL POOL DIMENSIONS SHOWN ARE FROM INSIDE FINISHED POOL WALL.
 6. THE JUNCTION BETWEEN THE SWIMMING POOL WALL AND THE FLOOR MUST BE COVED WITH A MAXIMUM 2' RADIUS FOR THE ALL-TILE SPA. FOR ALL OTHER FINISHES THE COVE MUST HAVE A MAXIMUM 6" RADIUS.
 7. DEPTH MARKERS AND WARNING SIGNS ARE SHOWN IN APPROXIMATE LOCATIONS. DEPTH MARKERS AND WARNING SIGNS MUST NOT EXCEED 25'-0" APART FROM EACH OTHER, AND MUST BE PLACED AT EVEN FOOT INTERVALS PER LOCAL CODE.
 8. ALL PROPRIETARY NAMES MENTIONED ARE TO DESIGNATE PERFORMANCE STANDARDS. EQUIVALENT PRODUCTS MUST BE SUBMITTED FOR APPROVAL.
 9. SLIP RESISTANT DECK FINISH REQUIRED. REFER TO ARCHITECT.
 10. REFER TO PLUMBING FOR DECK DRAINS AND HOSE BIBBS.
 11. ALL SURFACE WATER MUST DRAIN AWAY FROM THE POOL.
 12. REFER TO ELECTRICAL FOR GFI OUTLETS IN NATATORIUM.
 13. ELECTRICAL INSPECTOR MUST APPROVE INSTALLATION OF BONDING GRID FOR POOL REINFORCING AND ALL POOL EMBEDS PRIOR TO PLACEMENT OF CONCRETE.
 14. NO GROUND WATER MUST BE ALLOWED TO RISE ABOVE ANY PORTION OF THE POOL BOTTOM DURING CONSTRUCTION.
 15. LAP POOL HAS BEEN DESIGNED TO BE IN COMPLIANCE WITH THE RULES AND REGULATIONS OF NATIONAL FEDERATION OF STATE HIGH SCHOOL ASSOCIATIONS (NFHS).
 16. REFER TO SWIMMING POOL SPECIFICATIONS FOR COMPETITION RACE COURSE TOLERANCES.
 17. TIMING SYSTEM SHOWN FOR REFERENCE ONLY. REFER ARCHITECTURAL AND ELECTRICAL DRAWINGS.
 18. ALL METALLIC PORTIONS OF SPRAY FEATURES MUST BE EPOXY COATED STAINLESS STEEL, U.N.O. REFER TO SPECIFICATIONS.
 19. ALL POOL REINFORCING STEEL, METAL FITTINGS, EQUIPMENT WITHIN 5'-0" OF POOL EDGE AND ANY METAL PARTS OF POOL EQUIPMENT IN CONTACT WITH POOL RECIRCULATION SYSTEM MUST BE BONDED PER NEC 680. REFER: 3/AQ6.5
 20. IT IS RECOMMENDED THAT ZONE EVALUATIONS ACCORDING TO THE AMERICAN RED CROSS OR A SIMILAR APPLICABLE LIFEGUARD AGENCY ARE CONDUCTED PRIOR TO OPERATING THE FACILITY AND REGULARLY ACCORDING TO AGENCY GUIDELINES. ZONE EVALUATIONS ARE NECESSARY TO CONFIRM APPROPRIATE LIFEGUARD PLACEMENT AND ZONE COVERAGE.
 21. CONTRACTOR TO PROVIDE CHEMICAL QUANTITIES. PER CONTRACTOR SUPPLIED POOL CHEMICAL SCHEDULE AFTER INITIAL WATER BALANCE IS REACHED PRIOR TO OWNER TURNOVER.
 22. THE POOL(S), SPA(S), SURGE TANK(S), AND GUTTER SYSTEM(S) MUST BE TESTED FOR WATER TIGHTNESS IN ACCORDANCE TO THE HYDROSTATIC TIGHTNESS TESTING OF AN OPEN CONCRETE CONTAINMENT STRUCTURE AS REQUIRED BY THE AMERICAN CONCRETE INSTITUTE (ACI) 308.1-10 SECTION 2. REFER TO SPECIFICATIONS. REFER.

CONTRACTOR SUPPLIED POOL CHEMICALS	
DESCRIPTION	AMOUNT
CALCIUM HYPOCHLORITE	FULL FEEDER(S) + 300 LBS
MURIATIC ACID	FULL CARBOY(S) + 30 GALLONS
SODIUM BICARBONATE	200 LBS
CALCIUM CARBONATE	100 LBS
SODIUM THIOSULFATE	50 LBS

DRAWING INDEX	
SHEET	DESCRIPTION
AQ0.0	POOL REFERENCE PLAN
AQ1.0	LAP POOL PLAN & SECTIONS
AQ1.1	LAP POOL TIMING SYSTEM PLAN & DETAILS
AQ1.2	LAP POOL DETAILS
AQ1.3	LAP POOL DETAILS
AQ2.0	WELLNESS POOL PLAN & SECTIONS
AQ2.1	WELLNESS POOL DETAILS
AQ3.0	SPA PLAN, SECTIONS, & DETAILS
AQ3.1	SPA DETAILS
AQ4.0	LAP & WELLNESS POOL LOCATION POINT PLAN
AQ4.1	SPA LOCATION POINT PLAN
AQ5.0	POOL SUCTION PIPING PLAN
AQ5.1	POOL RETURN PIPING PLAN
AQ6.0	POOL MECHANICAL ROOM PLAN & SECTIONS
AQ6.1	SURGE TANK PLANS & SECTIONS
AQ6.2	POOL MECHANICAL DETAILS
AQ6.3	POOL MECHANICAL DETAILS
AQ6.4	POOL MECHANICAL DETAILS
AQ6.5	POOL MECHANICAL DETAILS
AQ7.0	LAP POOL & WELLNESS POOL SYSTEMS SCHEMATICS
AQ7.1	SPA SYSTEMS SCHEMATIC



LEGEND



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BID SET		10.15.2025
NO	REVISION	DATE

TERREBONNE HEALTH AND WELLNESS CENTER

855 WESTSIDE BLVD EXTENSION
HOUMA, LA 70360

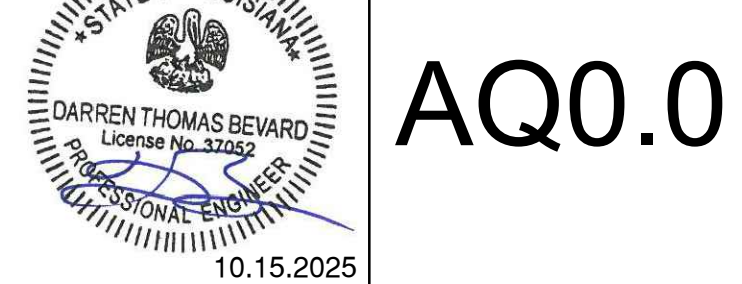
21001

POOL REFERENCE PLAN

AS NOTED

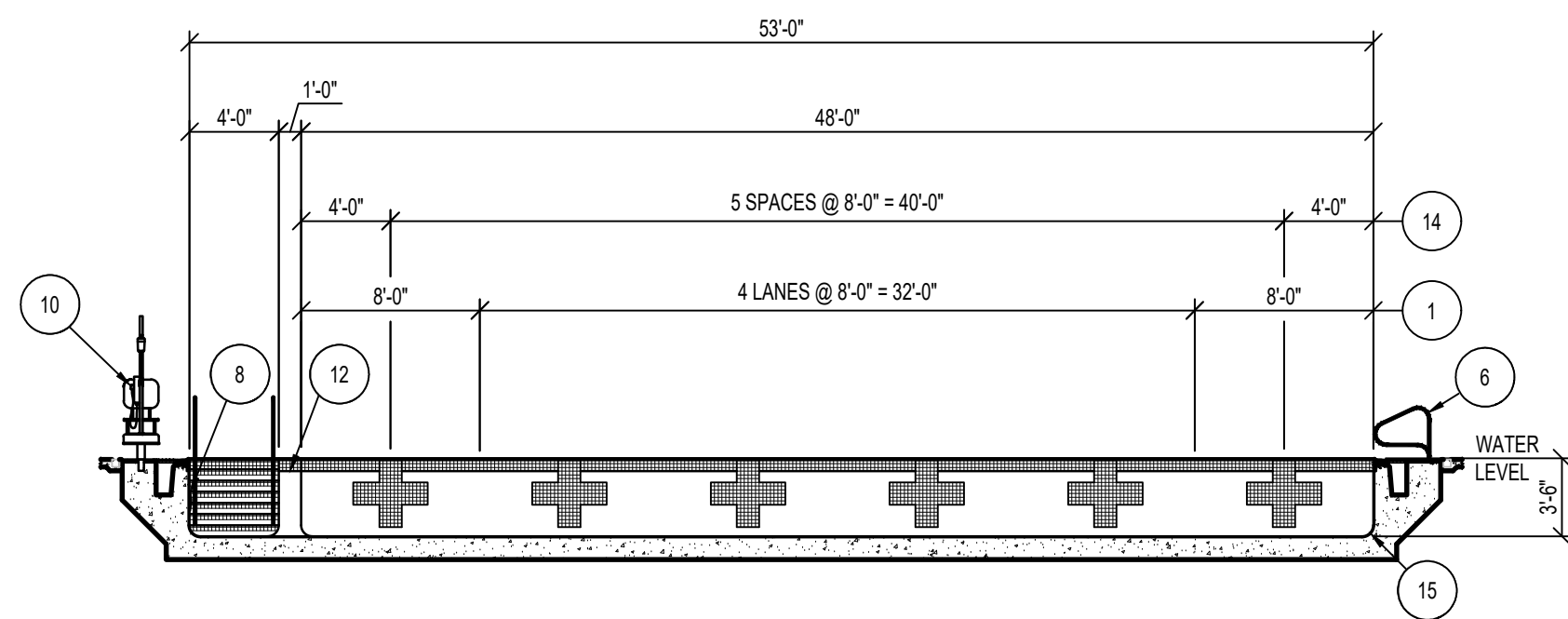
CJL / RWG

DRAWN/CHK

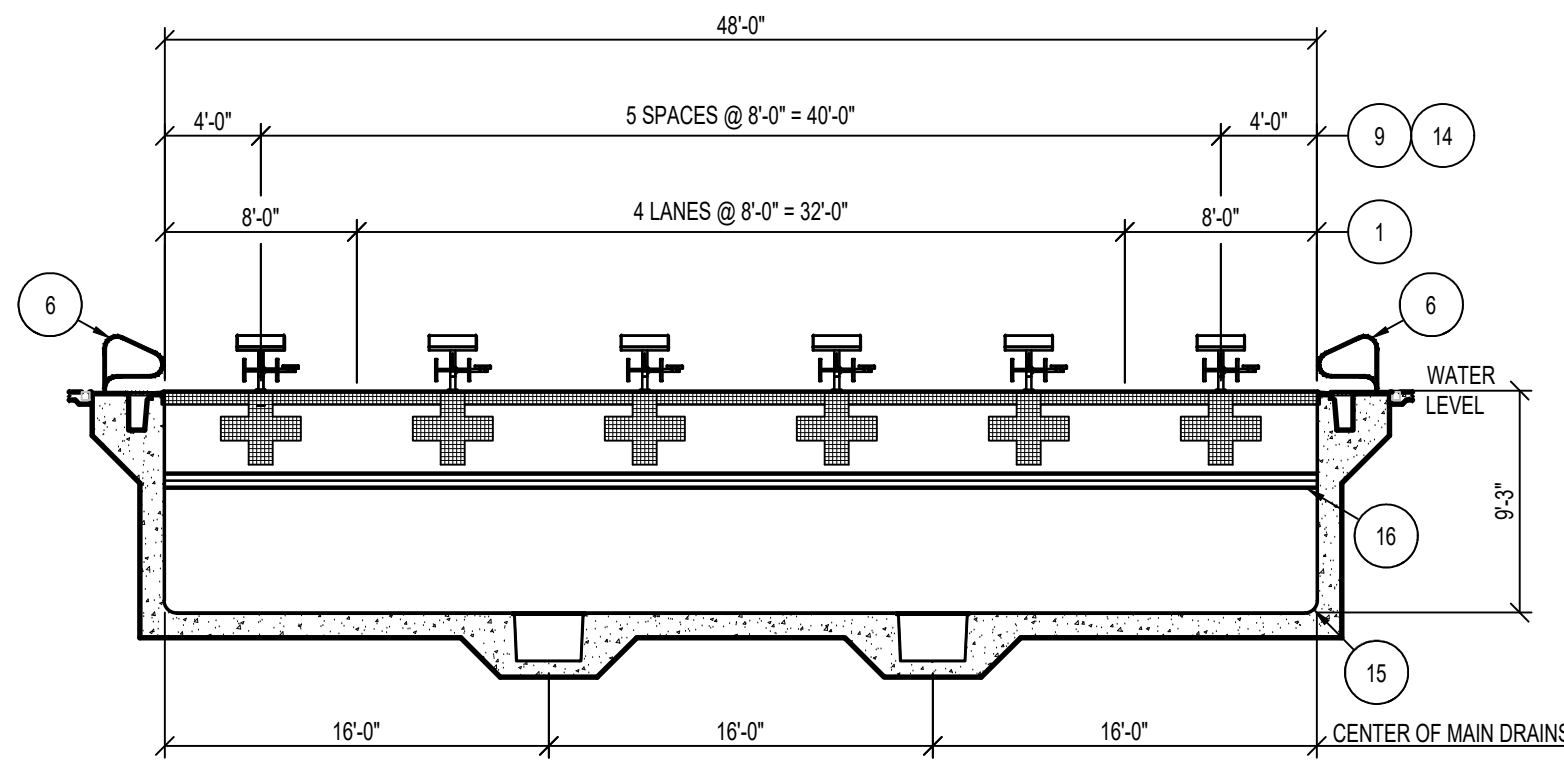


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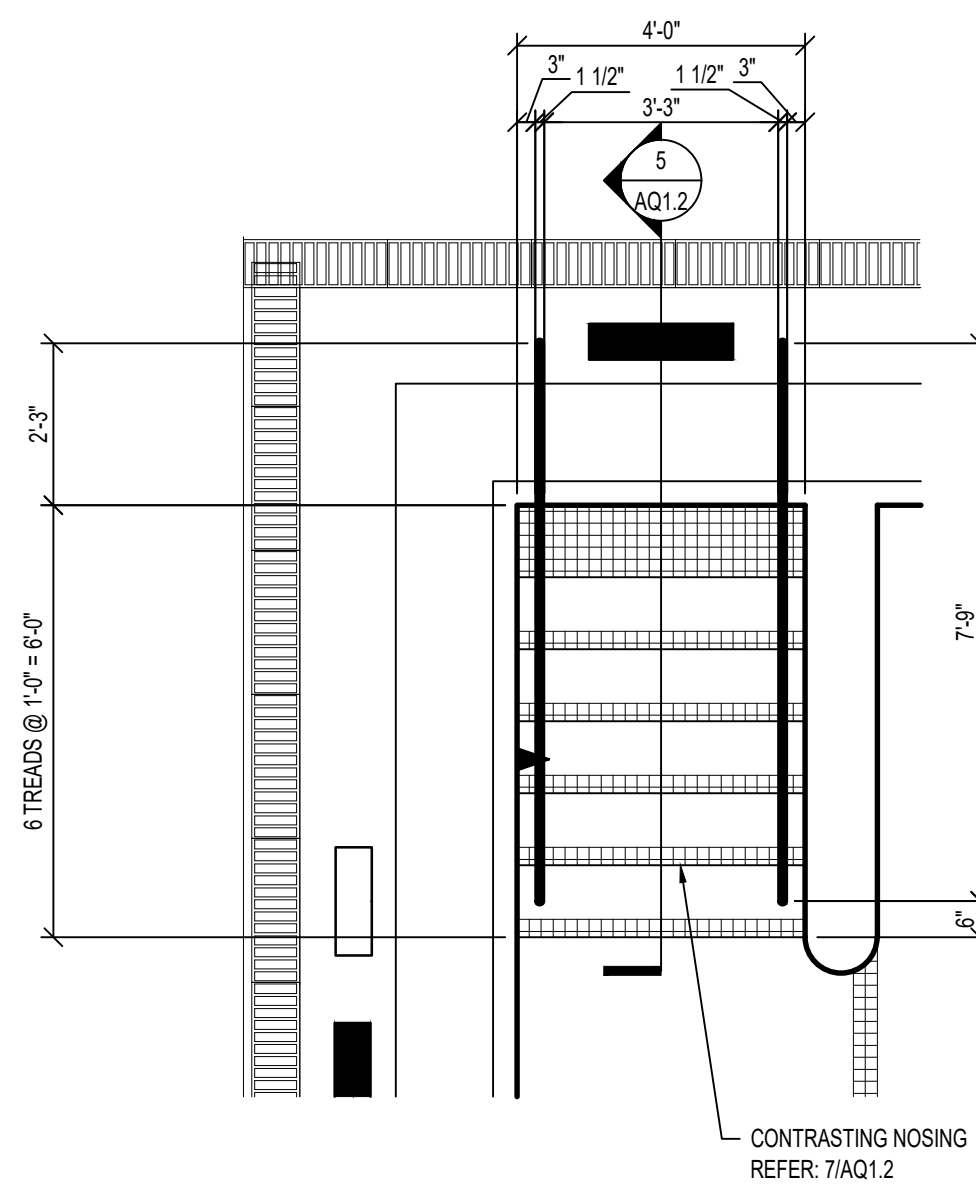




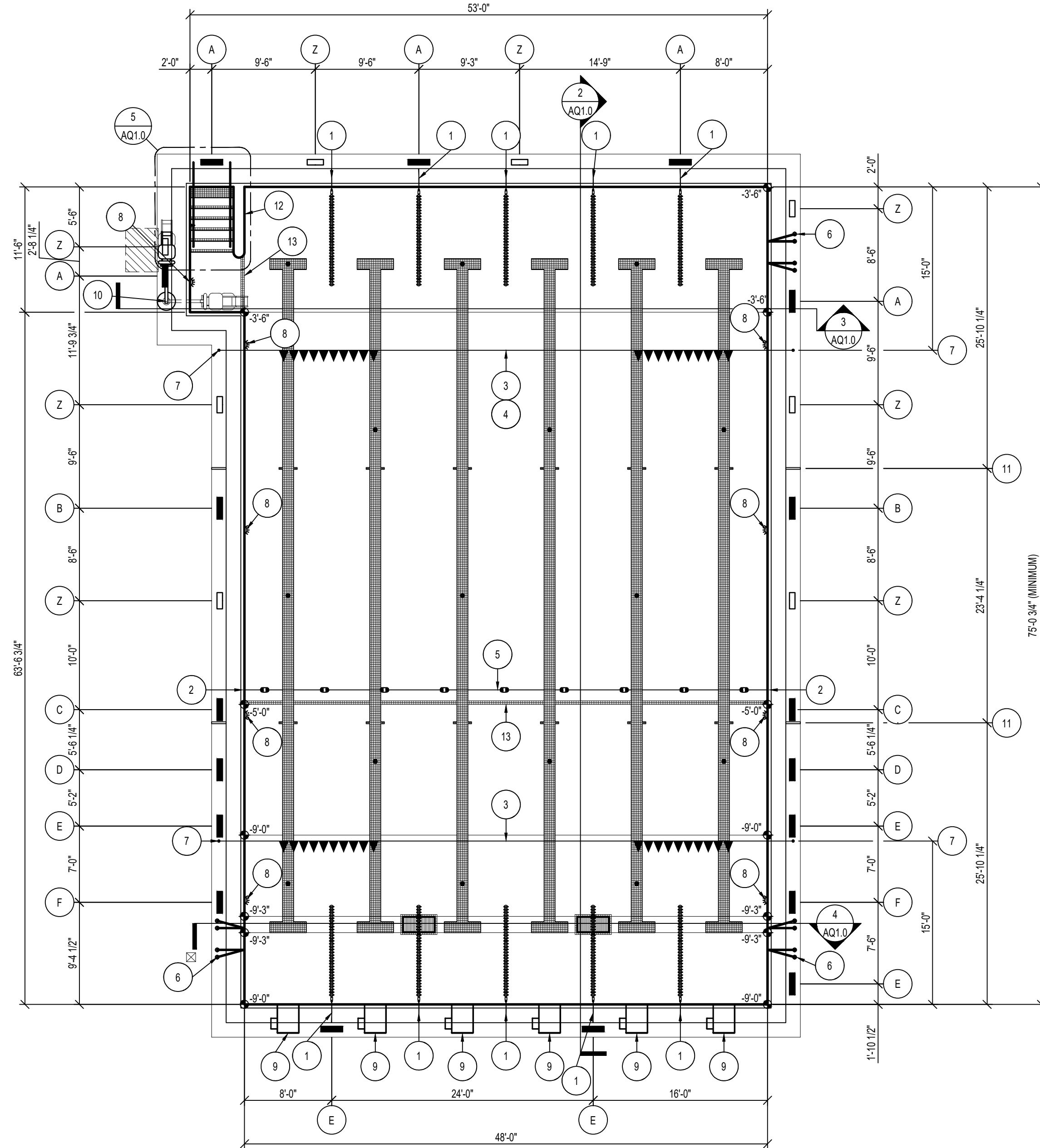
3 LAP POOL SECTION
1/8" = 1'-0"



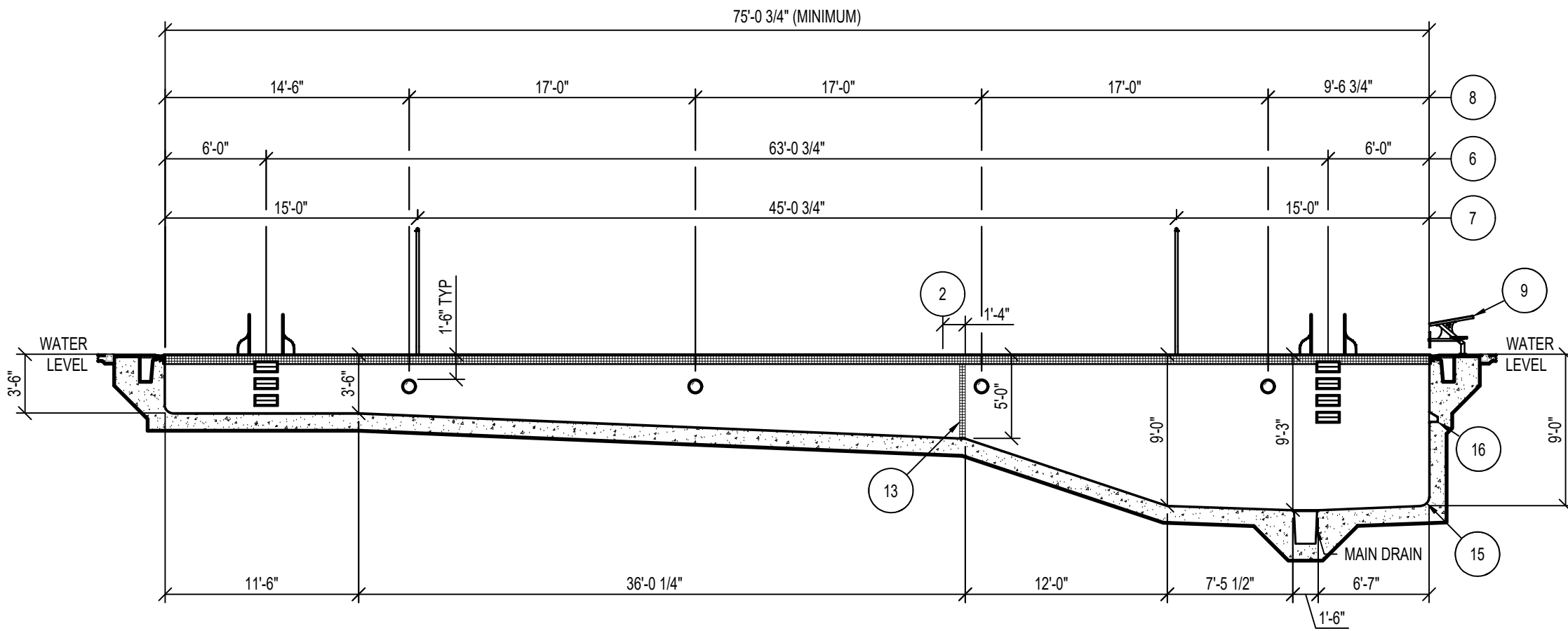
4 LAP POOL SECTION
1/8" = 1'-0"



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



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



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

DEPTH & WARNING SIGNAGE SCHEDULE

ID	SIGNAGE
A	3 FT 6 IN
B	4 FT 3 IN
C	5 FT 0 IN
D	7 FT 0 IN
E	9 FT 0 IN
F	9 FT 3 IN
Z	NO DIVING

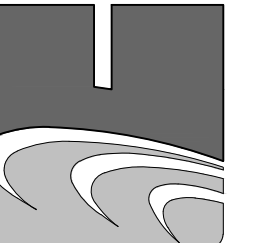
NOTE:
REFER: 8/AQ1.2 FOR DETAIL.

EQUIPMENT SCHEDULE

ID	ITEM
1	LANE ROPE ANCHOR REFER: 1/AQ1.2
2	SAFETY ROPE ANCHOR REFER: 1/AQ1.2
3	BACKSTROKE PENNANT
4	FALSE START ROPE ASSEMBLY
5	SAFETY ROPE
6	GRAB RAILS & RECESSED STEPS REFER: 12/AQ1.2
7	STANCHION POST & ANCHOR REFER: 11/AQ1.2
8	UNDERWATER LIGHT REFER: 1/AQ1.3
9	DECK MOUNTED STARTING PLATFORM & ANCHOR REFER: 13/AQ1.2
10	POOL LIFT & ANCHOR REFER: 14/AQ1.2
11	RESURFACING MARKER REFER: 8/AQ1.2
12	WING WALL REFER: 4/AQ1.2
13	4" CONTRASTING TILE BAND COLOR BY ARCHITECT
14	WALL TARGET REFER: 8/AQ1.2
15	POOL COVE REFER: 3/AQ1.2
16	TOE LEDGE REFER: 2/AQ1.3



LEGEND



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BID SET 10.15.2025

NO REVISION DATE

TERREBONNE HEALTH AND WELLNESS CENTER PROJECT

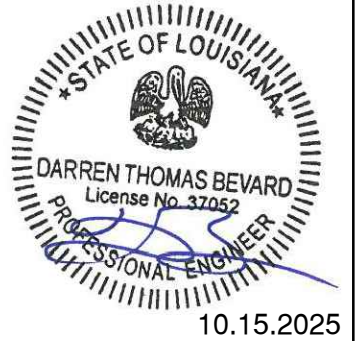
855 WESTSIDE BLVD EXTENSION HOUMA, LA 70360

21001 JOB NO

LAP POOL PLAN & SECTIONS

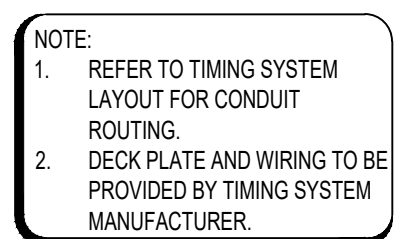
AS NOTED SCALE

C.J.L. / RWG DRAWN/CHK



AQ1.0



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FRONT ELEVATION

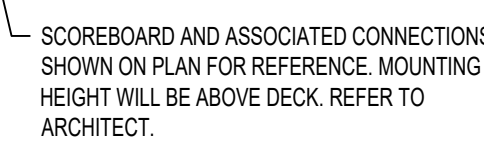
ISOMETRIC

NOTE:
CONFIRM PACE CLOCK AND
OUTLET LOCATIONS WITH
ARCHITECT/ELECTRICAL.

1
AQ1.1

POOL TIMING SYSTEM PLAN

3/16" = 1'-0"

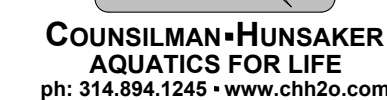


NOTE:

1. COORDINATE FINAL LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS PRIOR TO INSTALLATION. REFERENCES TO MOUNTING HEIGHTS ARE MINIMUMS TO THE BOTTOM OF OUTLET/EQUIPMENT.
2. CONDUIT, JUNCTION BOXES, ETHERNET CONNECTIONS, AND POWER MUST BE PROVIDED BY ELECTRICAL. TIMING SYSTEM MANUFACTURER MUST PROVIDE ANY REQUIRED CABELING AND CONNECTIVITY SPECIFIC TO THEIR PRODUCT.
3. ALL JUNCTION BOXES MUST BE RECESSED INTO THE NATATORIUM WALLS AND POOL DECK. PVC CONDUIT MUST BE RUN IN THE WALLS OR IN POOL DECK. SURFACE MOUNTING IS NOT ALLOWED.
4. PVC CONDUIT MUST BE 1.5" UNLESS NOTED OTHERWISE.

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BY: _____

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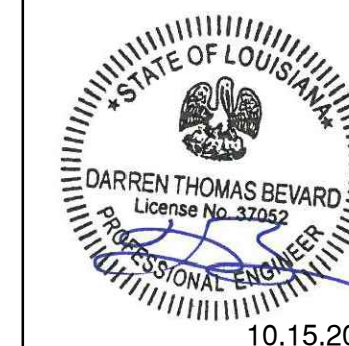
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HOUMA, LA 70360

21001	JOB NO
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LAP POOL TIMING SYSTEM PLAN & DETAILS

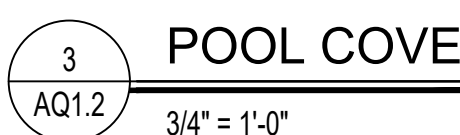
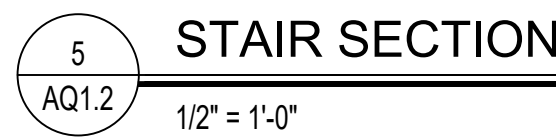
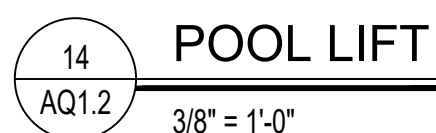
AS NOTED	SCALE
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CJL / RWG	DRAWN/CHK
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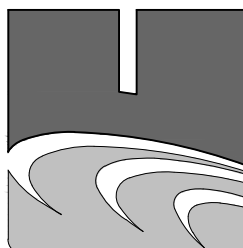


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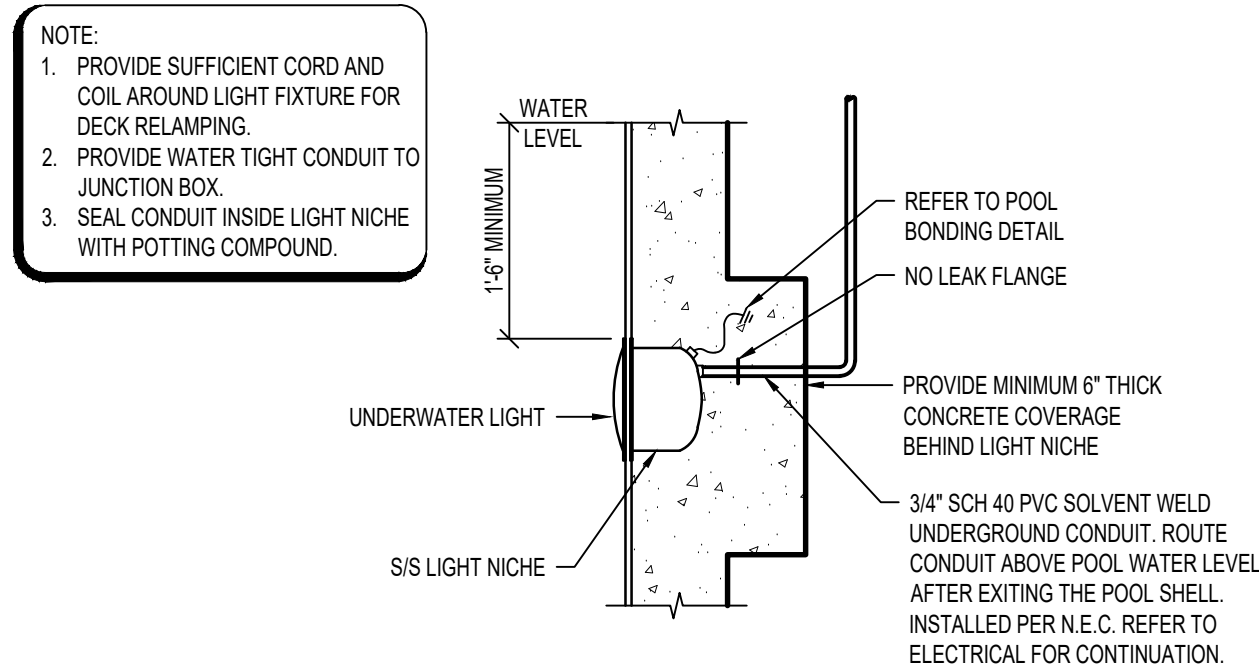




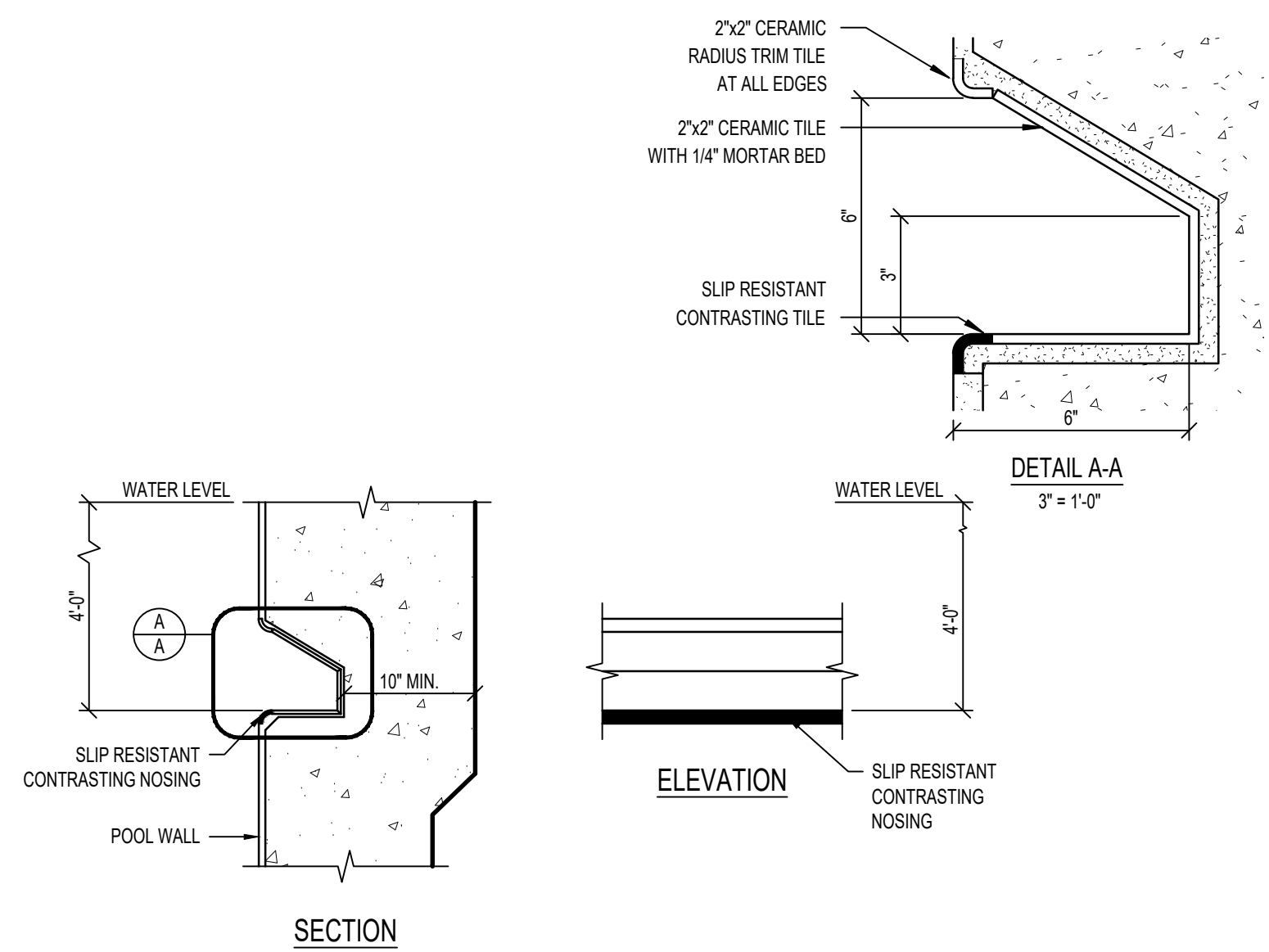
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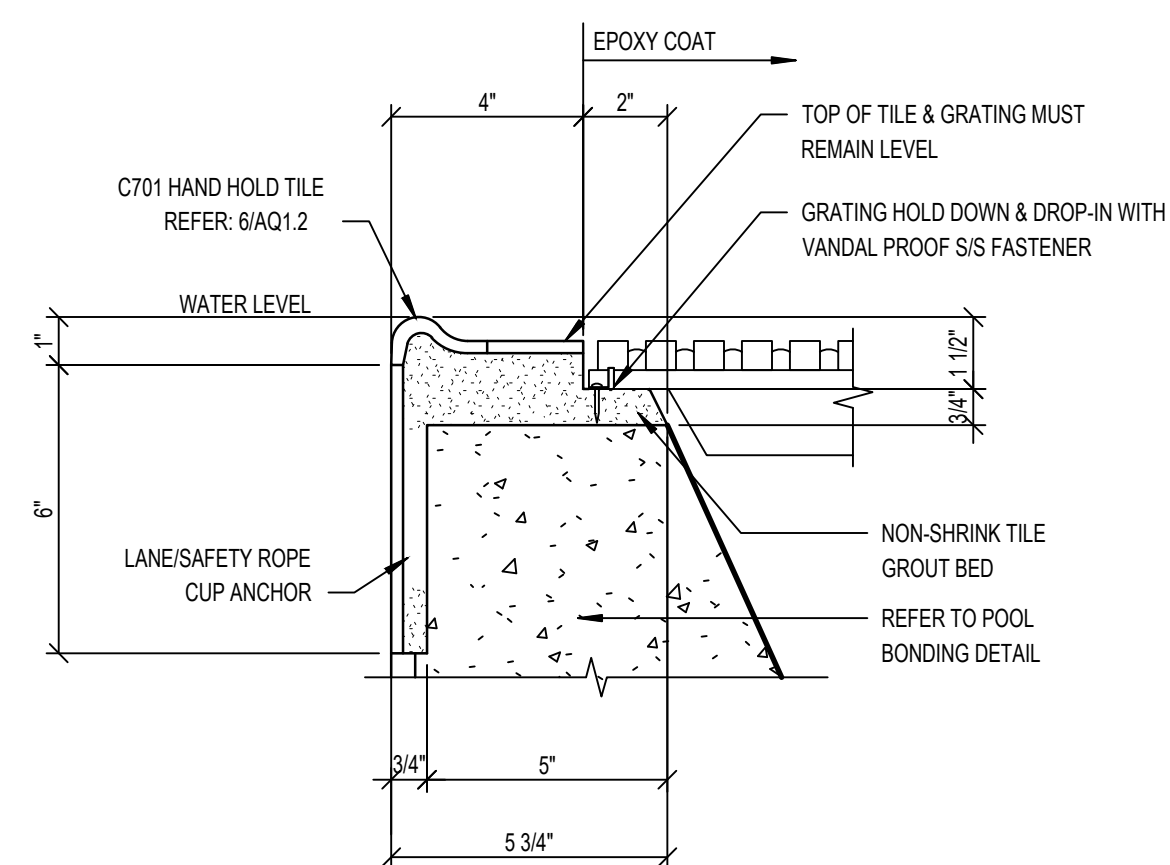
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1 UNDERWATER LIGHT
AQ1.3 $3/4" = 1'-0"$



2 TOE LEDGE
AQ1.3 1" = 1'-0"



3 GUTTER LIP
AQ1.3 3" = 1'-0"

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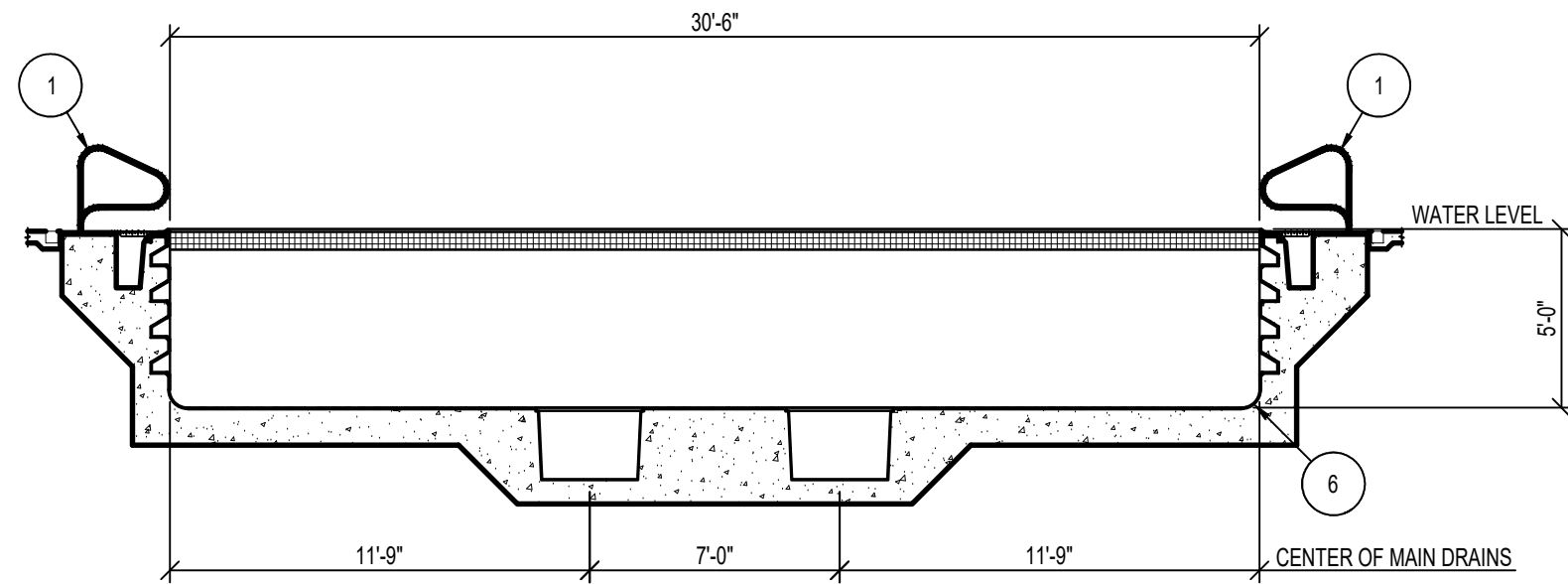
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TERREBONNE HEALTH AND WELLNESS CENTER	PROJECT
855 WESTSIDE BLVD EXTENSION HOUMA, LA 70360	
21001	JOB NO

LAP POOL DETAILS	
AS NOTED	SCALE
CJL / RWG	DRAWN/CHK

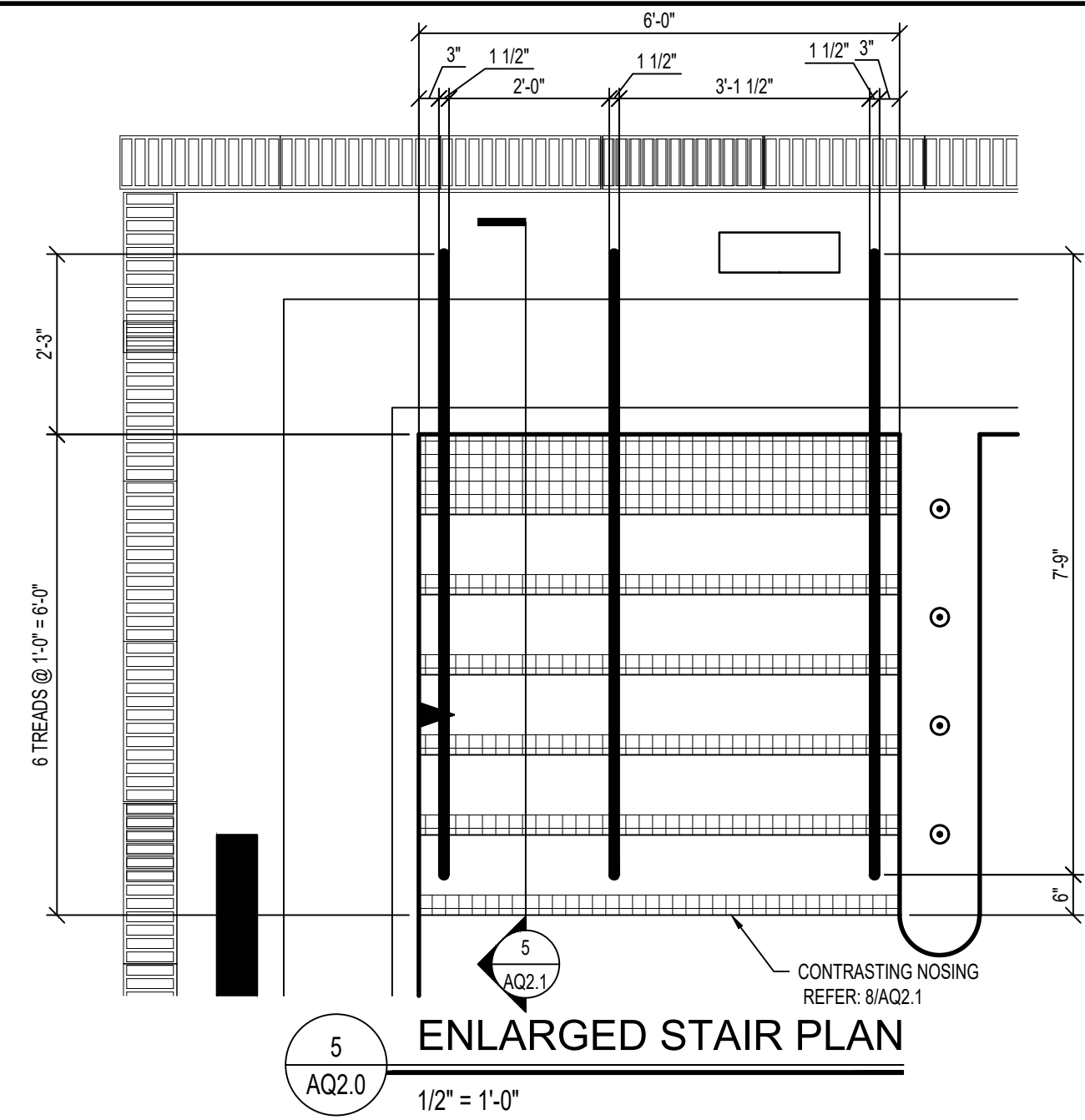


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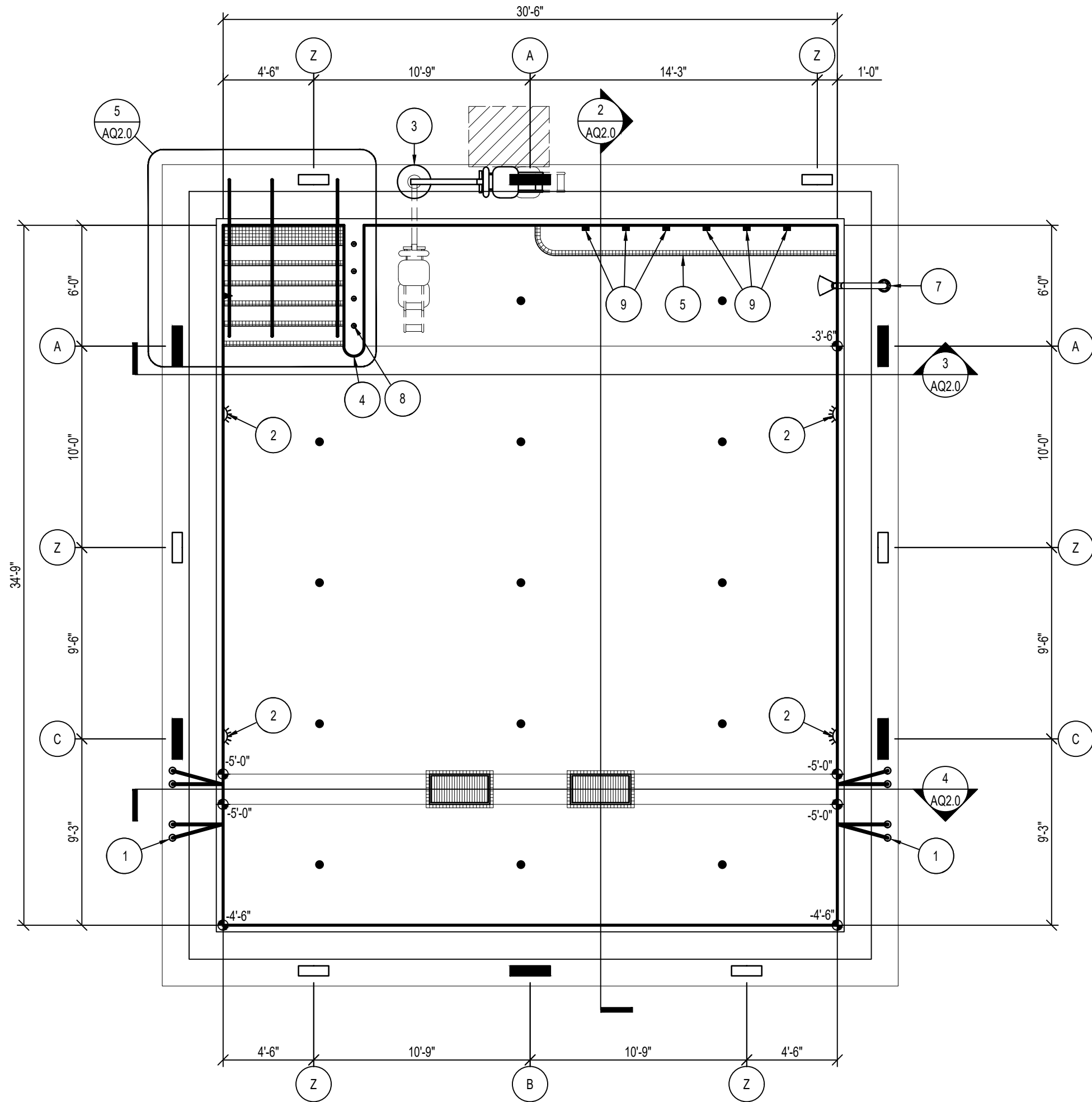




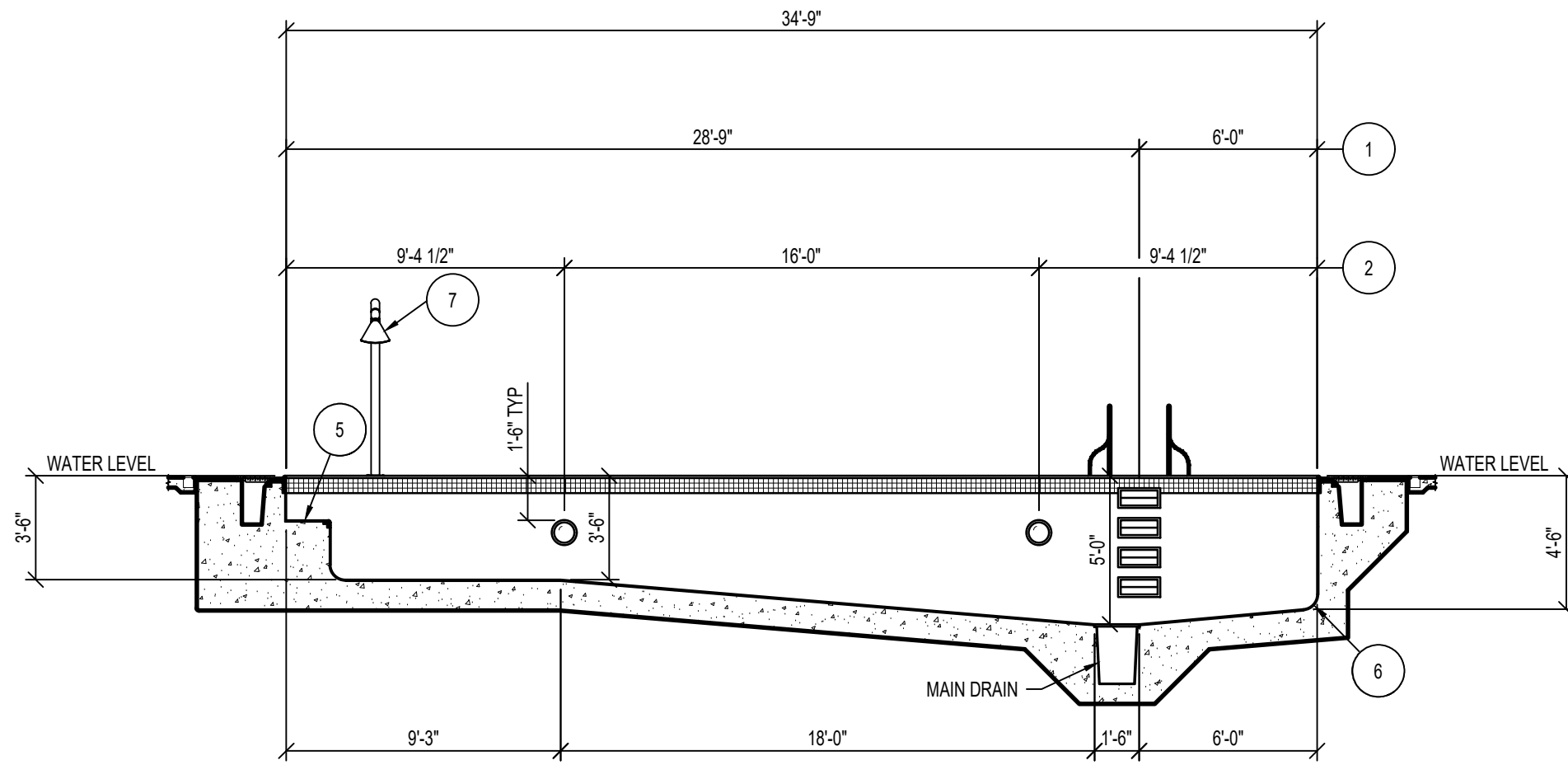
4 WELLNESS POOL SECTION
AQ2.0 3/16" = 1'-0"



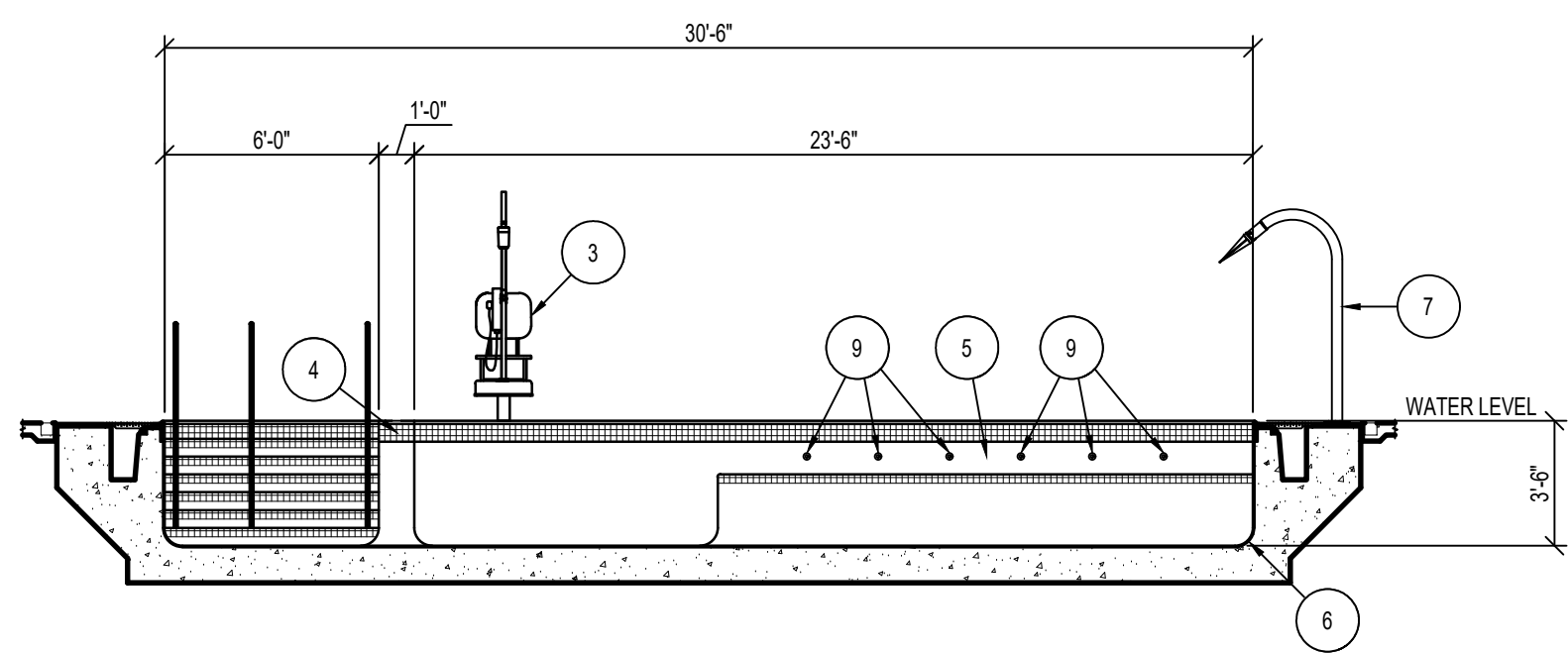
5 ENLARGED STAIR PLAN
AQ2.0 1/2" = 1'-0"



1 WELLNESS POOL PLAN
AQ2.0 3/16" = 1'-0"



2 WELLNESS POOL SECTION
AQ2.0 3/16" = 1'-0"



3 WELLNESS POOL SECTION
AQ2.0 3/16" = 1'-0"

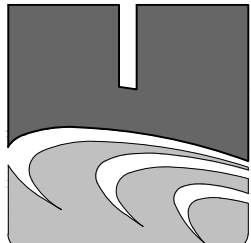
DEPTH & WARNING SIGNAGE SCHEDULE	
ID	SIGNAGE
A	3 FT 6 IN
B	4 FT 6 IN
C	5 FT 0 IN
2	NO DIVING

NOTE:
REFER: 9/AQ2.1 FOR DETAIL.

EQUIPMENT SCHEDULE	
ID	ITEM
1	GRAB RAILS & RECESSED STEPS REFER: 10/AQ2.1
2	UNDERWATER LIGHT REFER: 13/AQ2.1
3	POOL LIFT & ANCHOR REFER: 11/AQ2.1
4	WING WALL REFER: 4/AQ2.1
5	UNDERWATER BENCH REFER: 6/AQ2.1
6	POOL COVE REFER: 3/AQ2.1
7	RESTORATIVE SPRAY NO. 1 REFER: 14/AQ2.1
8	GS SPRAY TUNNEL 4 REFER: 15/AQ2.1



LEGEND



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WELLNESS POOL PLAN & SECTIONS

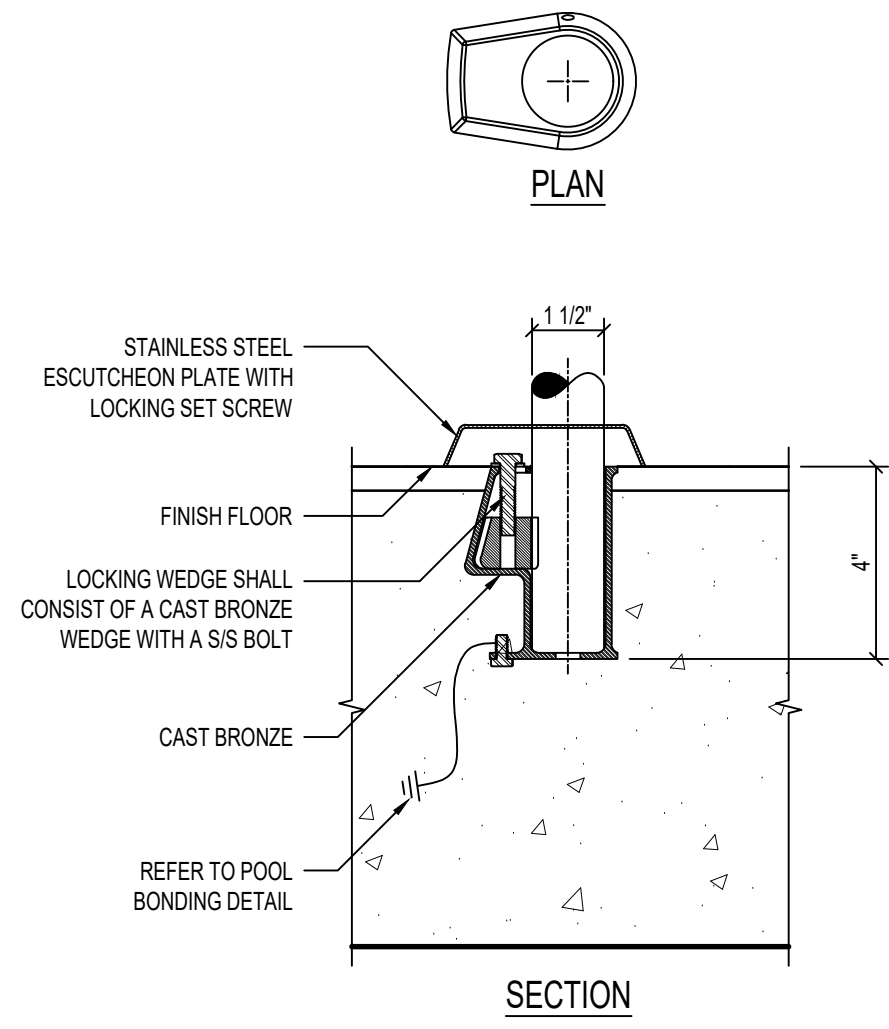
AS NOTED SCALE

CJL / RWG DRAWN/CHK

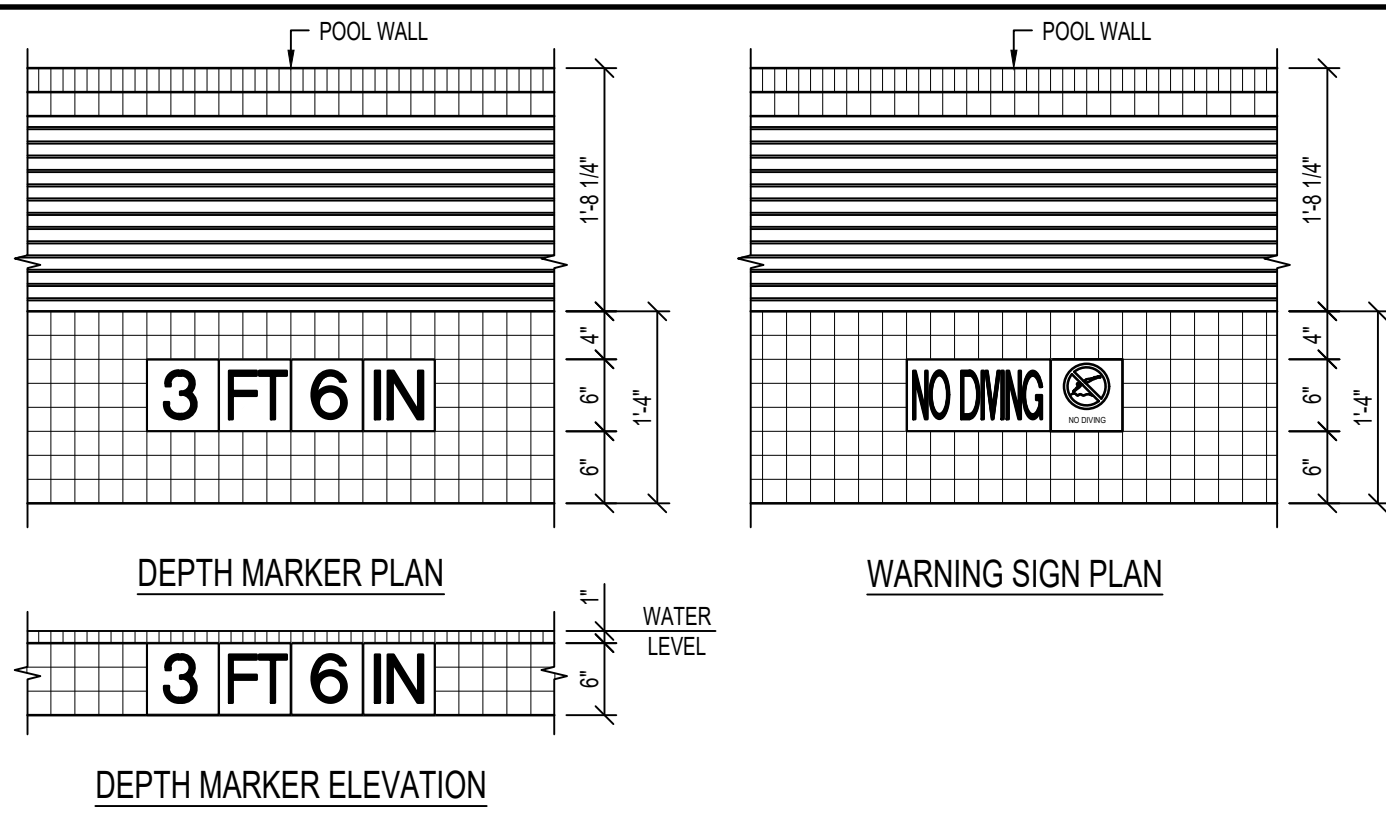


AQ2.0

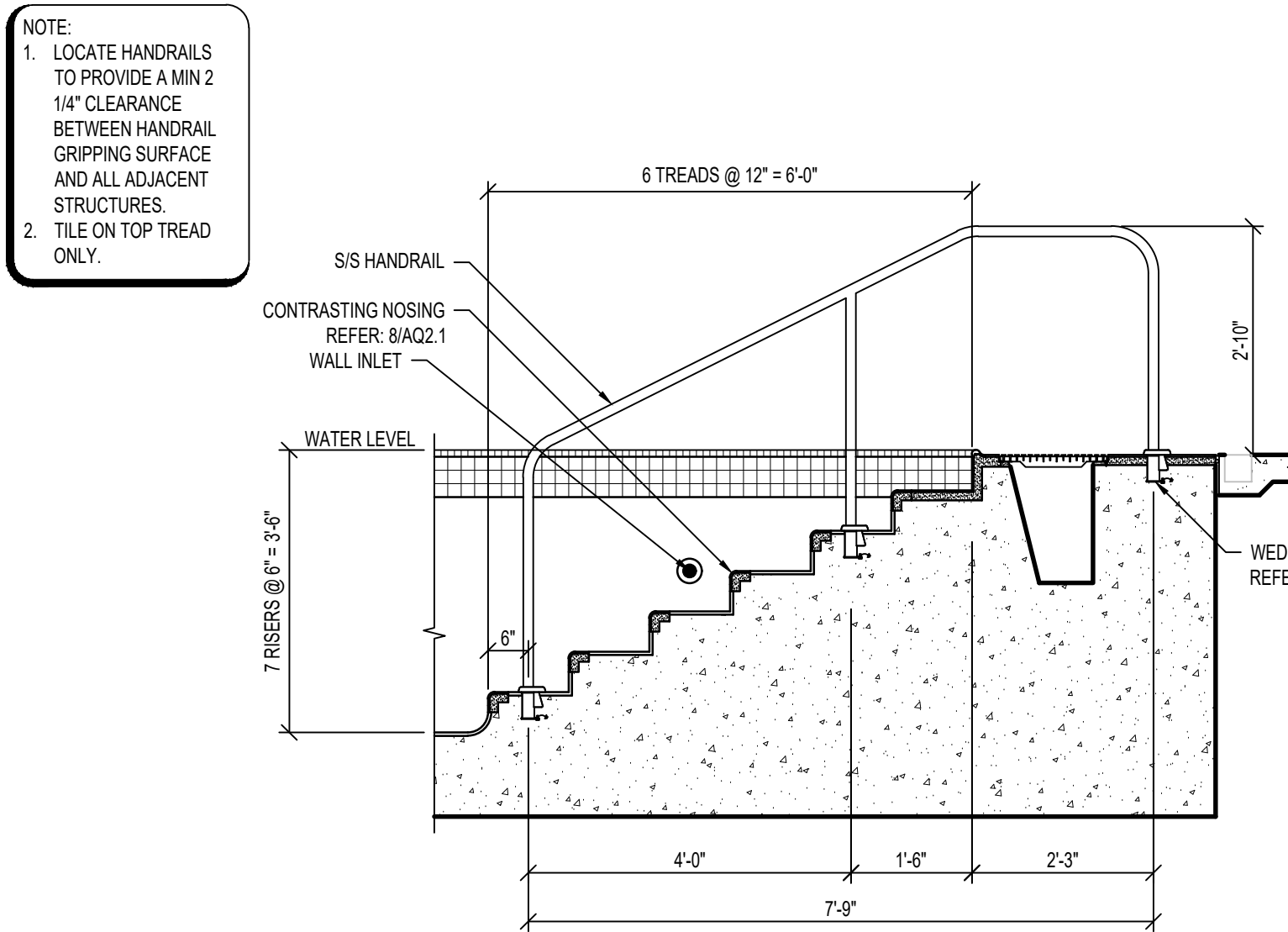




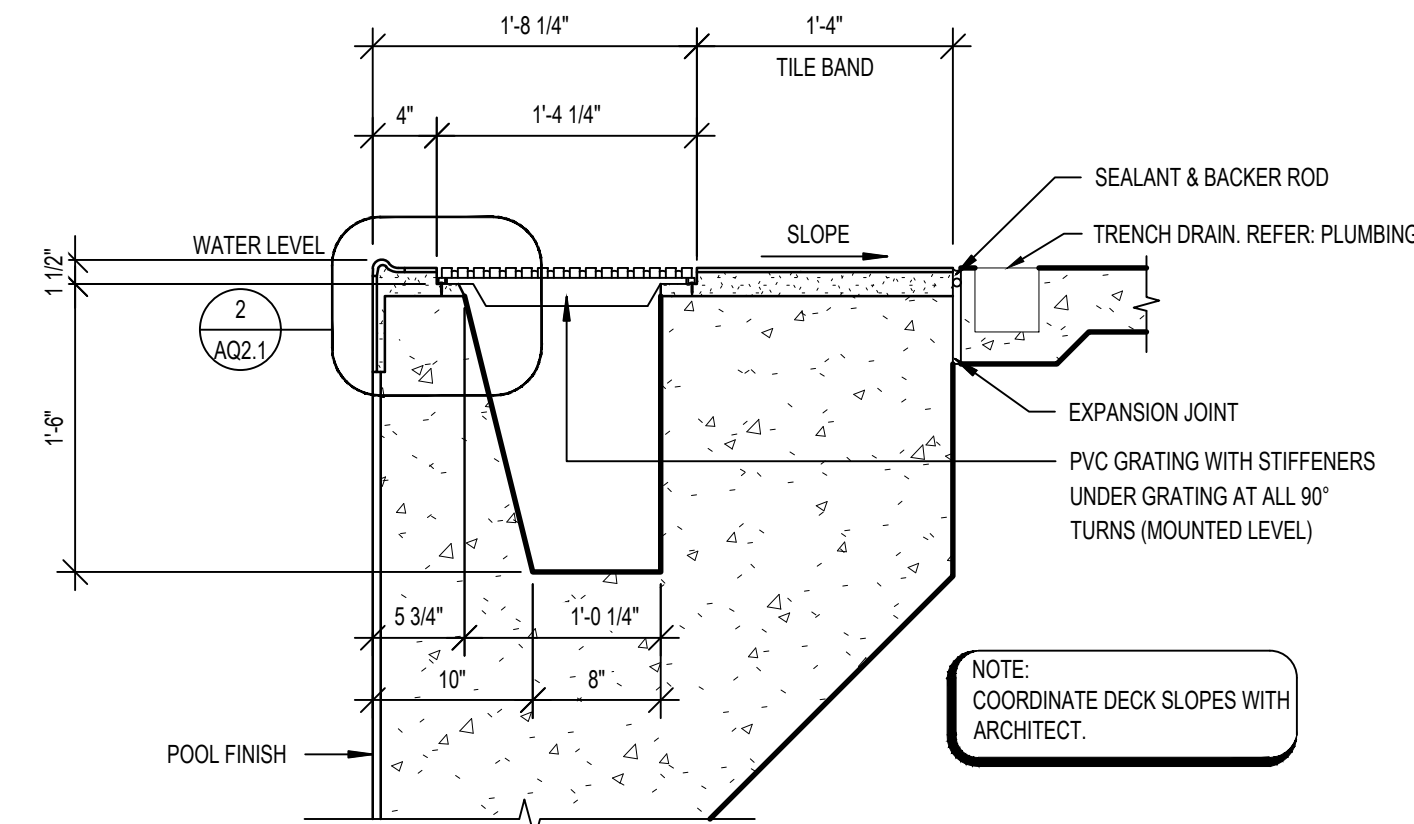
12 WEDGE ANCHOR
AQ2.1 3" = 1'-0"



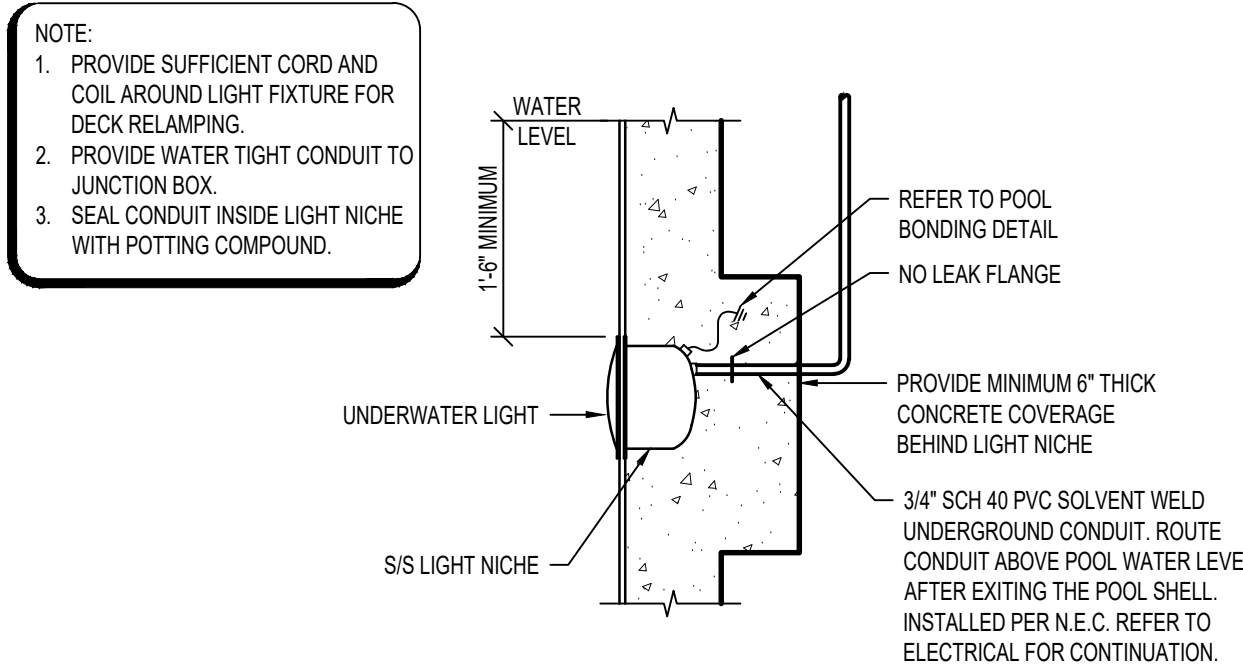
9 DEPTH MARKERS & WARNING SIGNS
AQ2.1 3/4" = 1'-0"



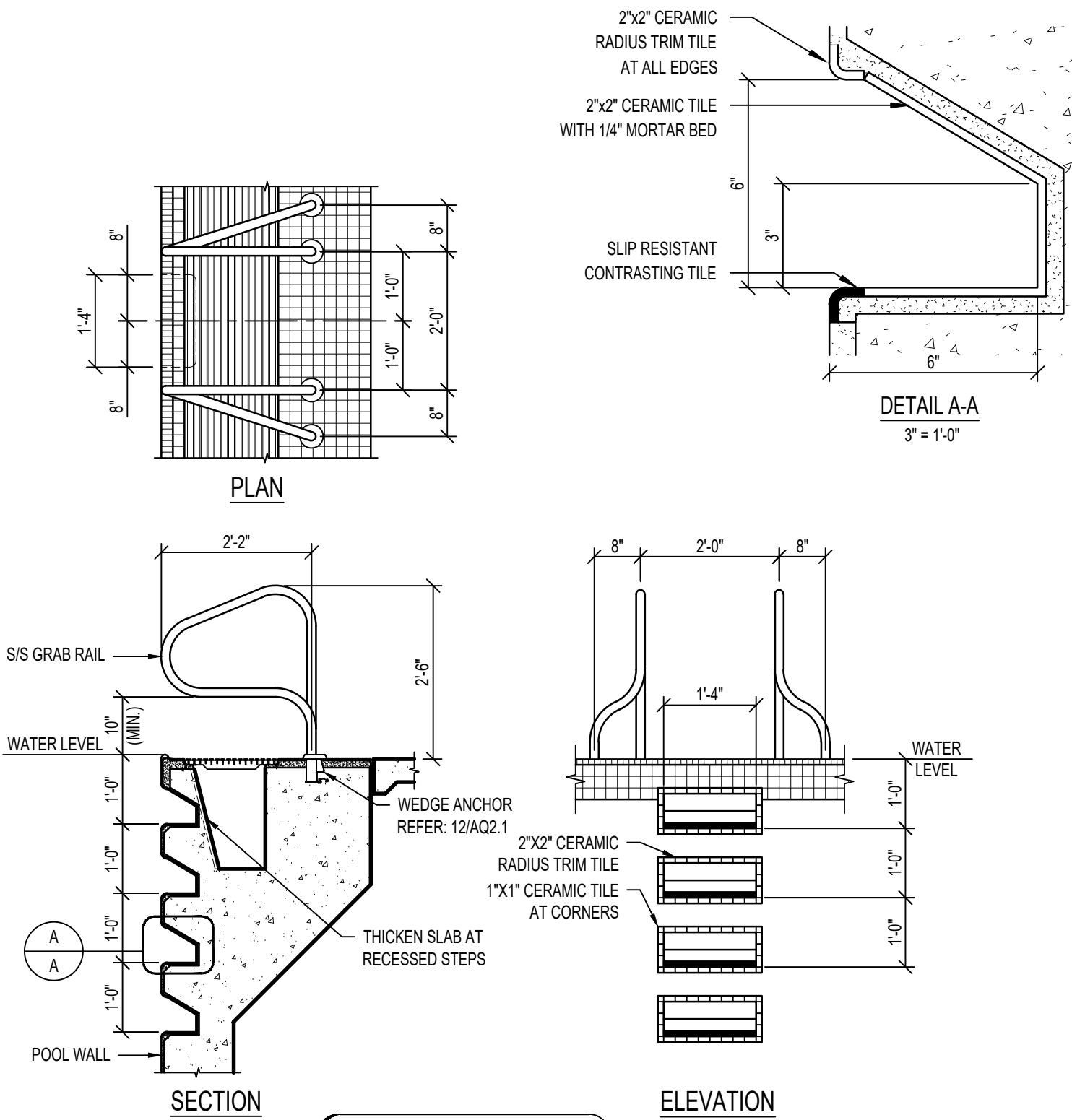
5 STAIR SECTION
AQ2.1 1/2" = 1'-0"



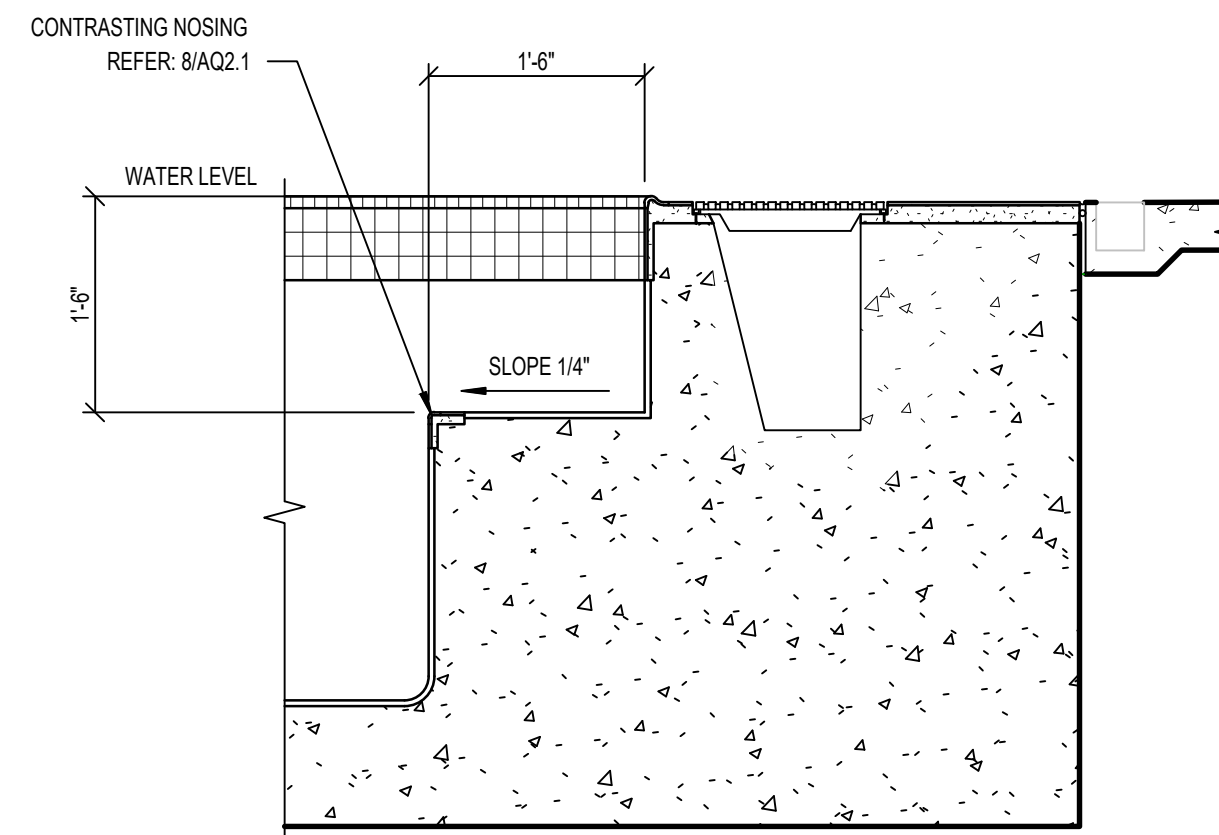
1 CONCRETE DECK LEVEL GUTTER
AQ2.1 1" = 1'-0"



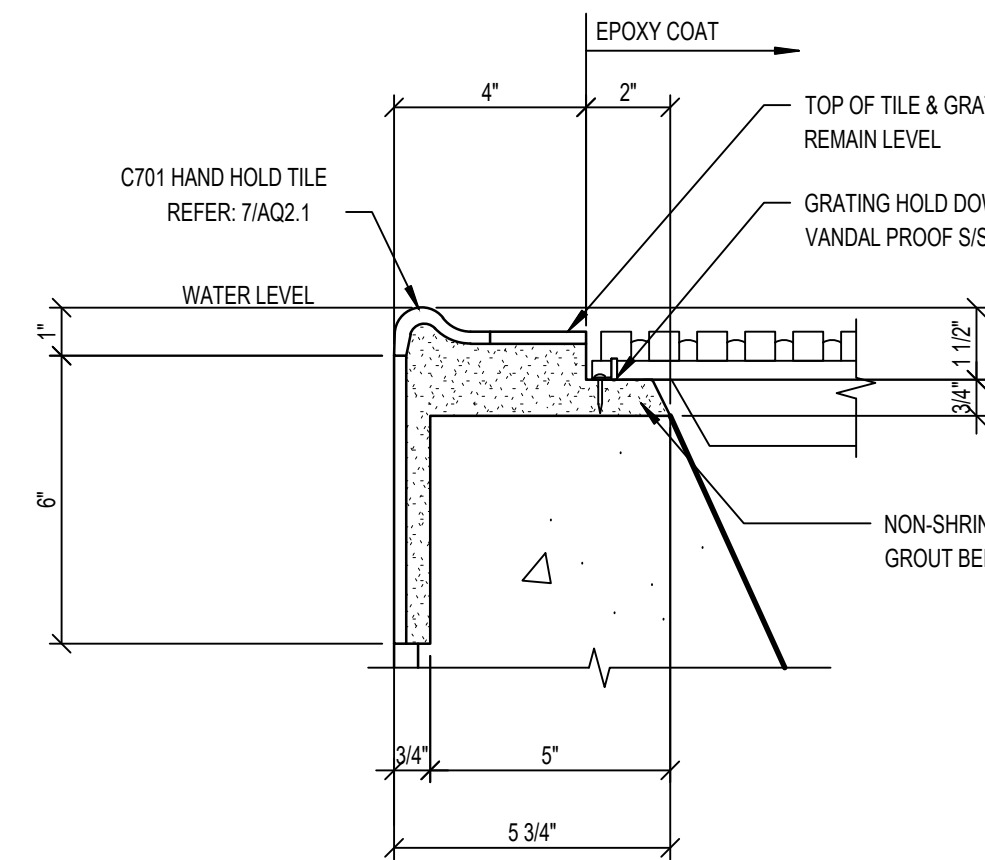
13 UNDERWATER LIGHT
AQ2.1 3/4" = 1'-0"



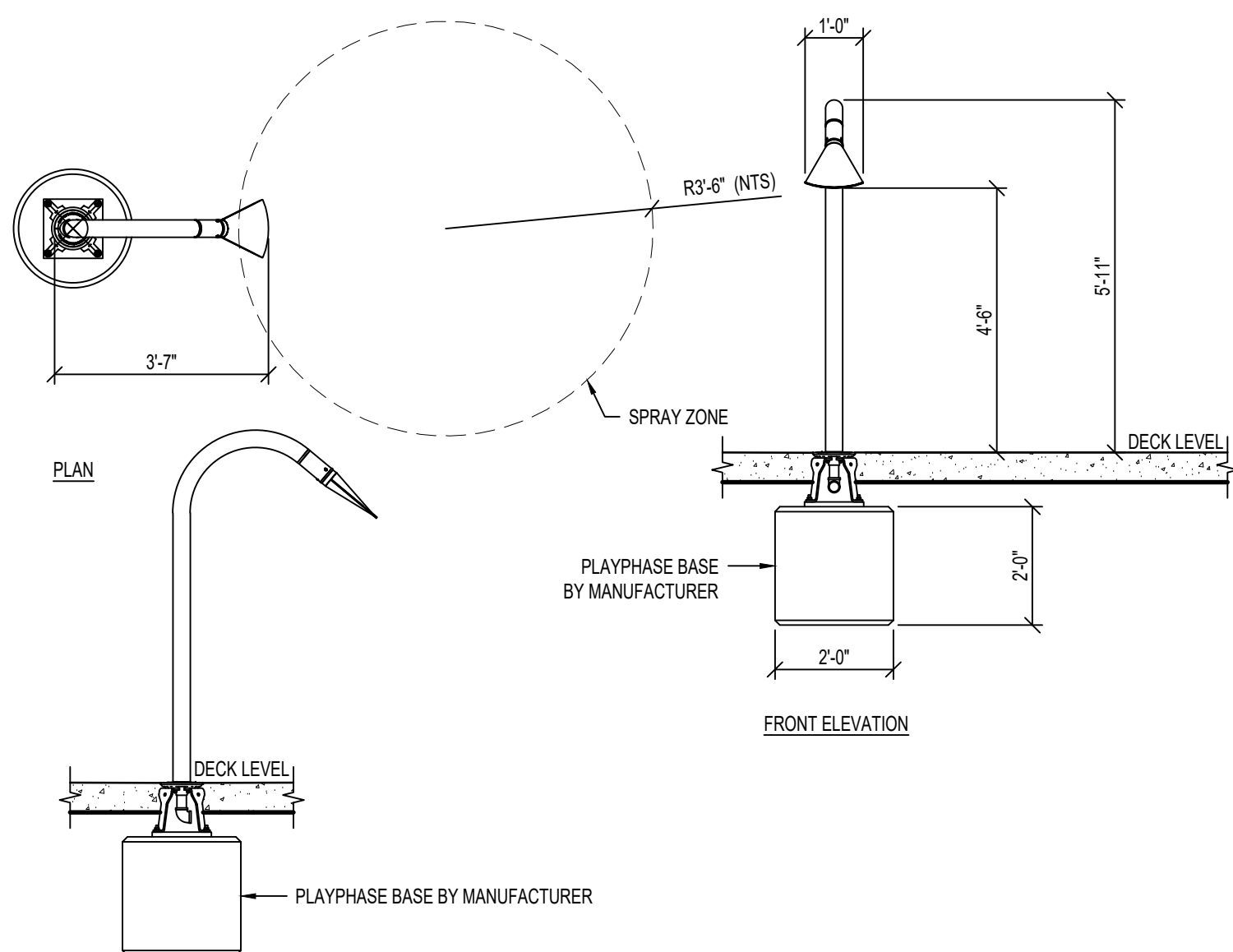
10 GRAB RAILS & RECESSED STEPS
AQ2.1 1/2" = 1'-0"



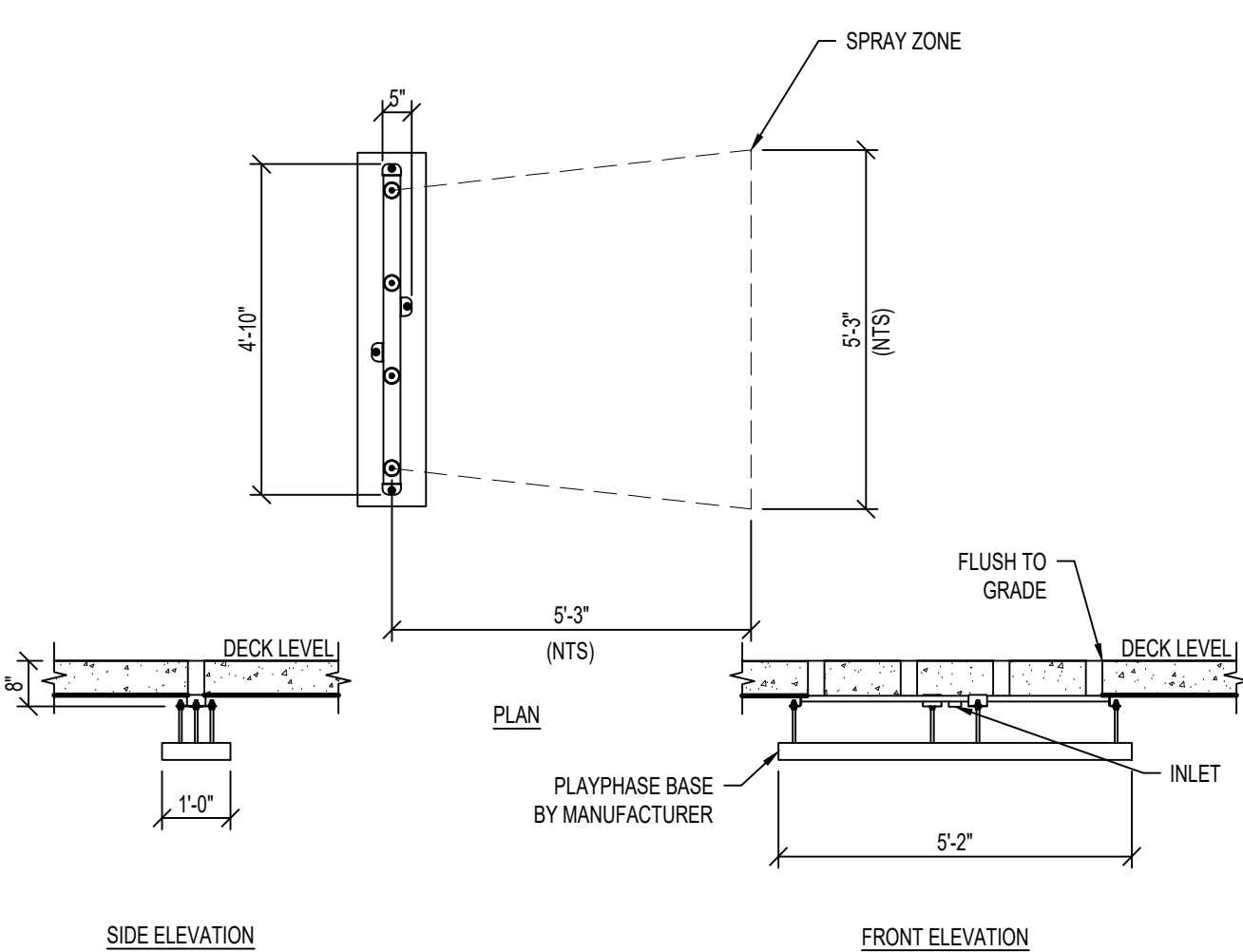
6 UNDERWATER BENCH
AQ2.1 3/4" = 1'-0"



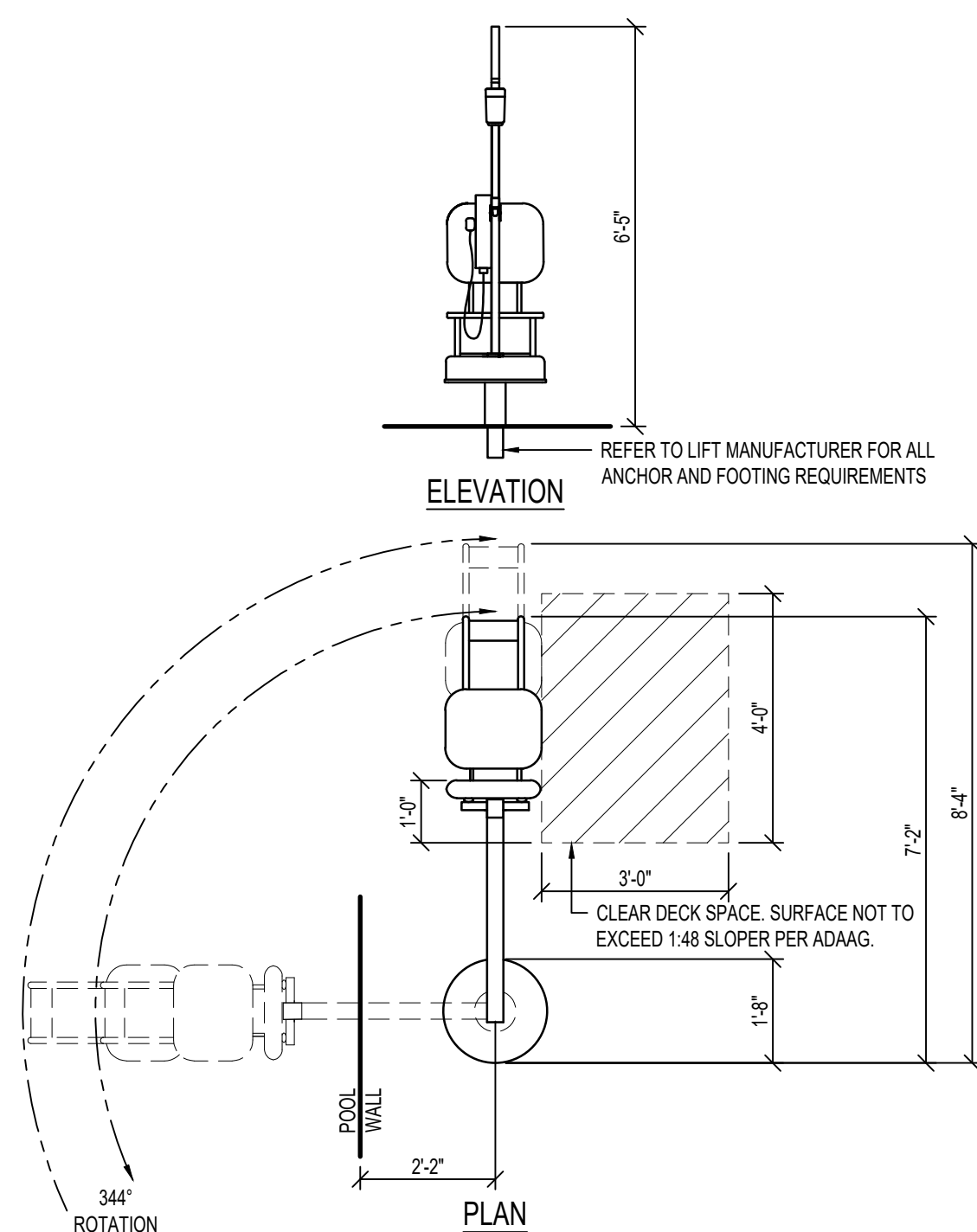
2 GUTTER LIP
AQ2.1 3" = 1'-0"



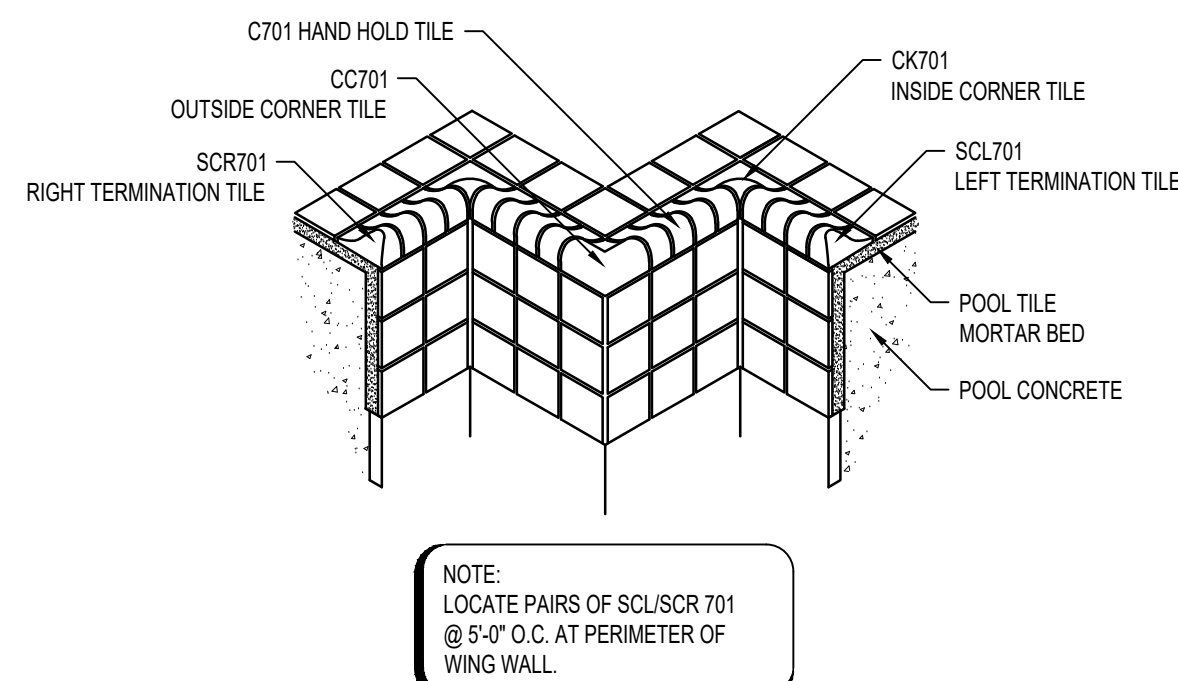
14 RESTORATIVE SPRAY 1
AQ2.1 3/8" = 1'-0"



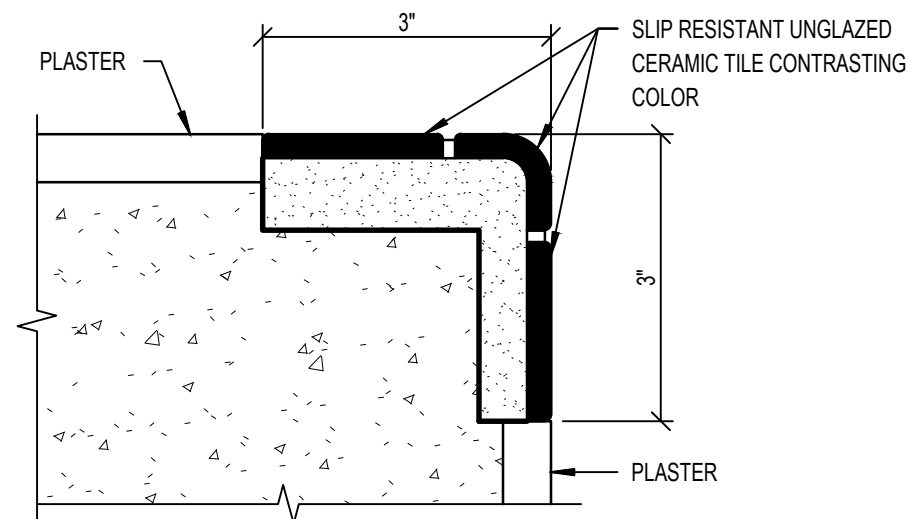
15 GS SPRAY TUNNEL 4
AQ2.1 3/8" = 1'-0"



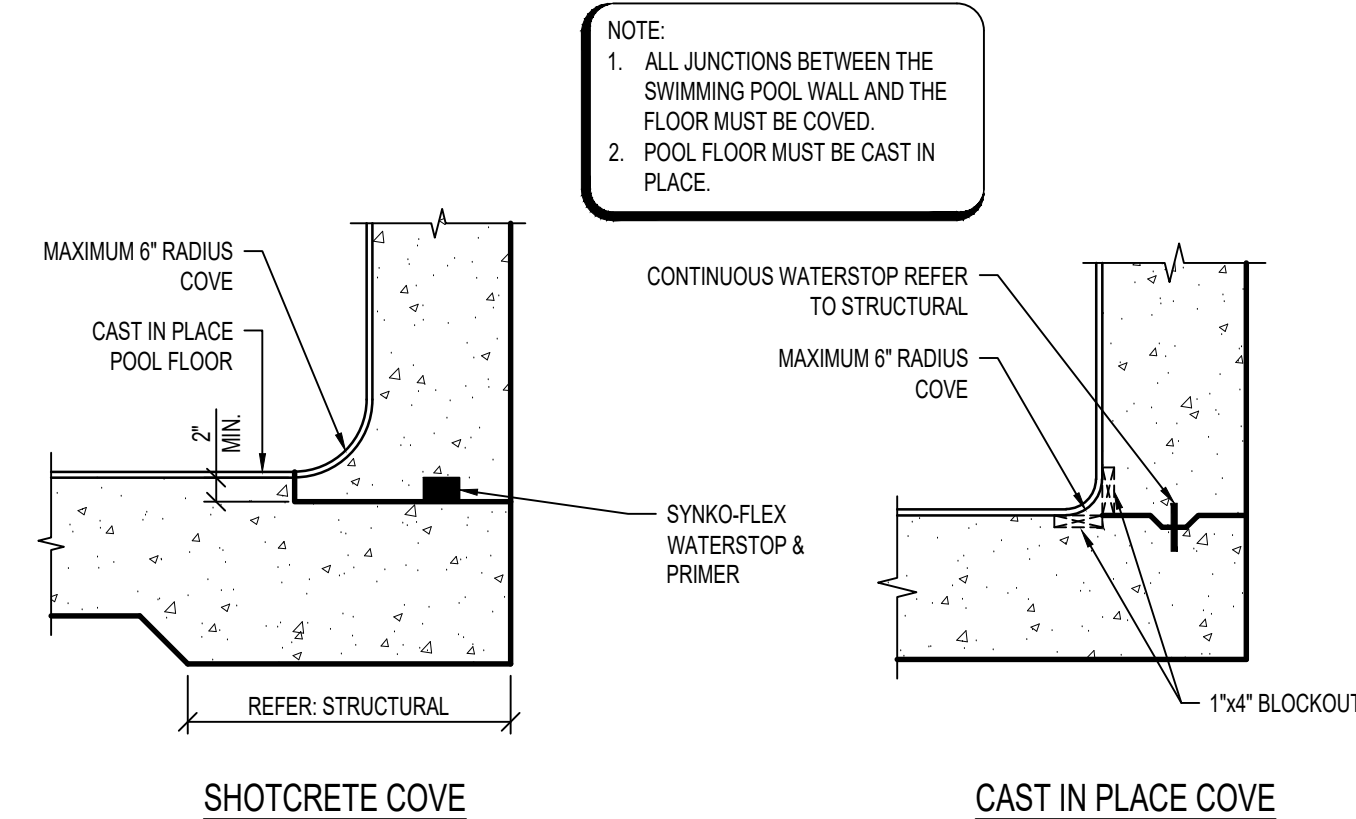
11 POOL LIFT
AQ2.1 3/8" = 1'-0"



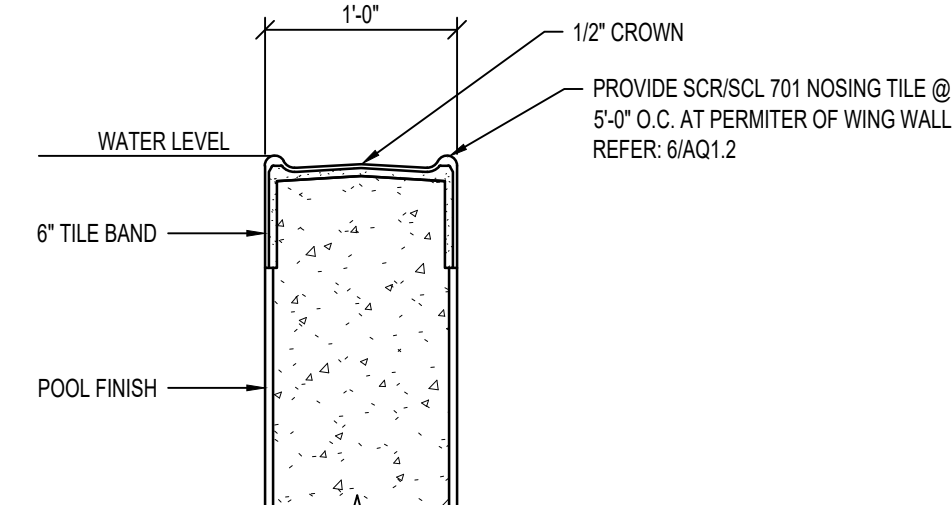
7 SCR/SCL 701 NOSING TILE
AQ2.1 NTS



8 CONTRASTING NOSING
AQ2.1 6" = 1'-0"

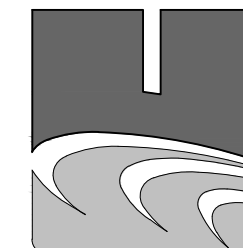


3 POOL COVE
AQ2.1 3/4" = 1'-0"



4 WING WALL SECTION
AQ2.1 1" = 1'-0"

LEGEND



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BID SET 10.15.2025

NO REVISION DATE

TERREBONNE HEALTH AND WELLNESS CENTER PROJECT

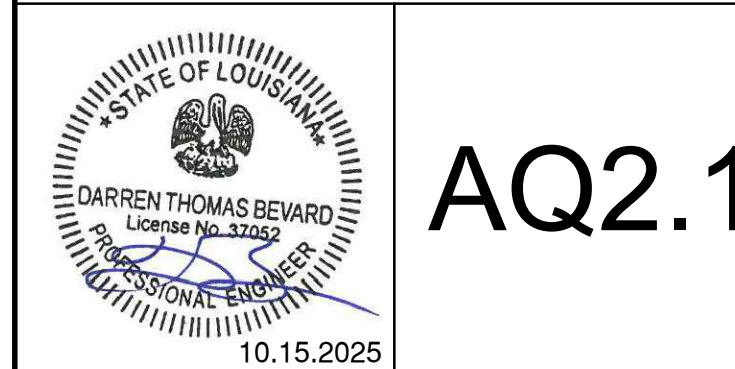
855 WESTSIDE BLVD EXTENSION HOUMA, LA 70360

21001 JOB NO

WELLNESS POOL DETAILS

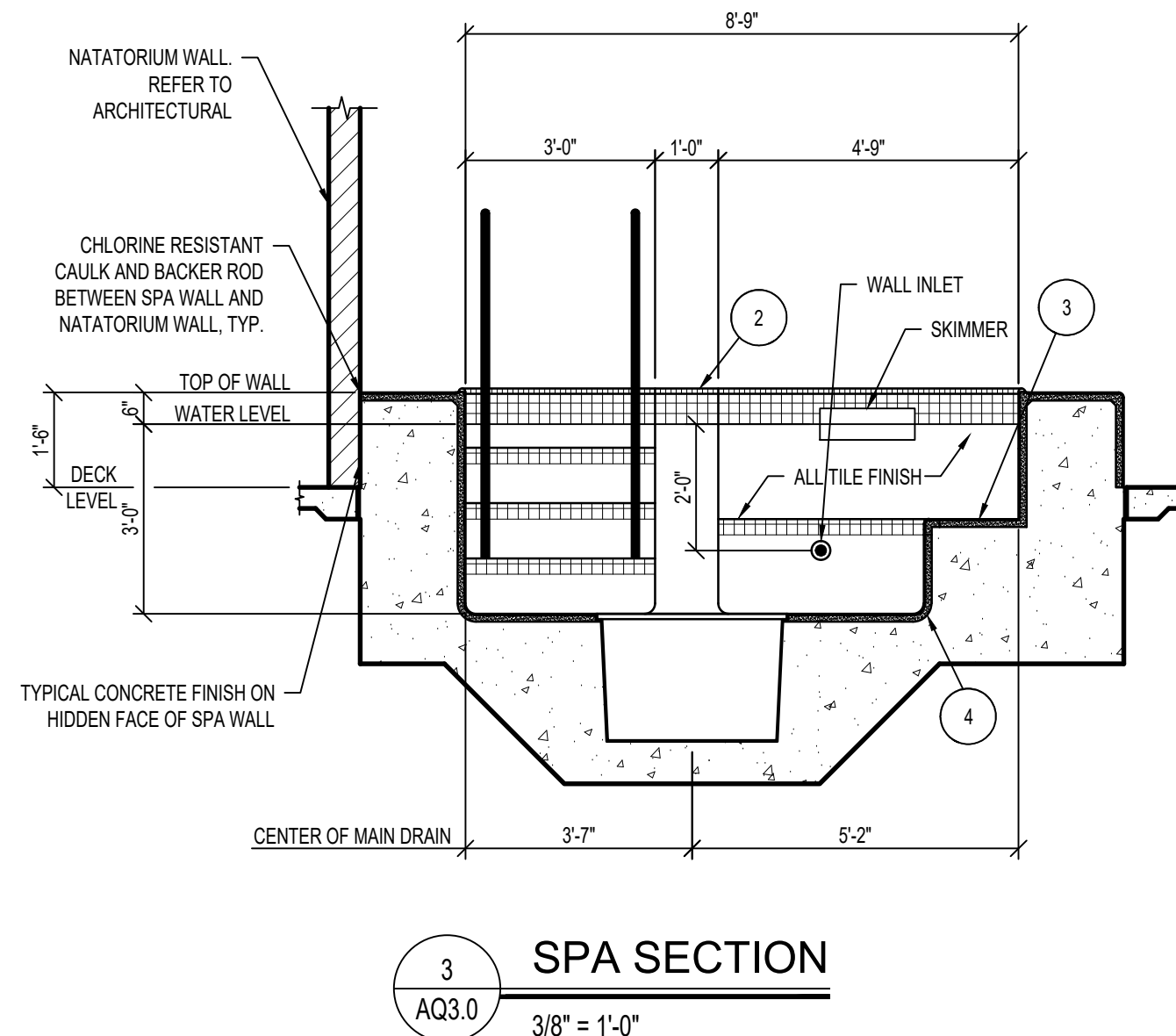
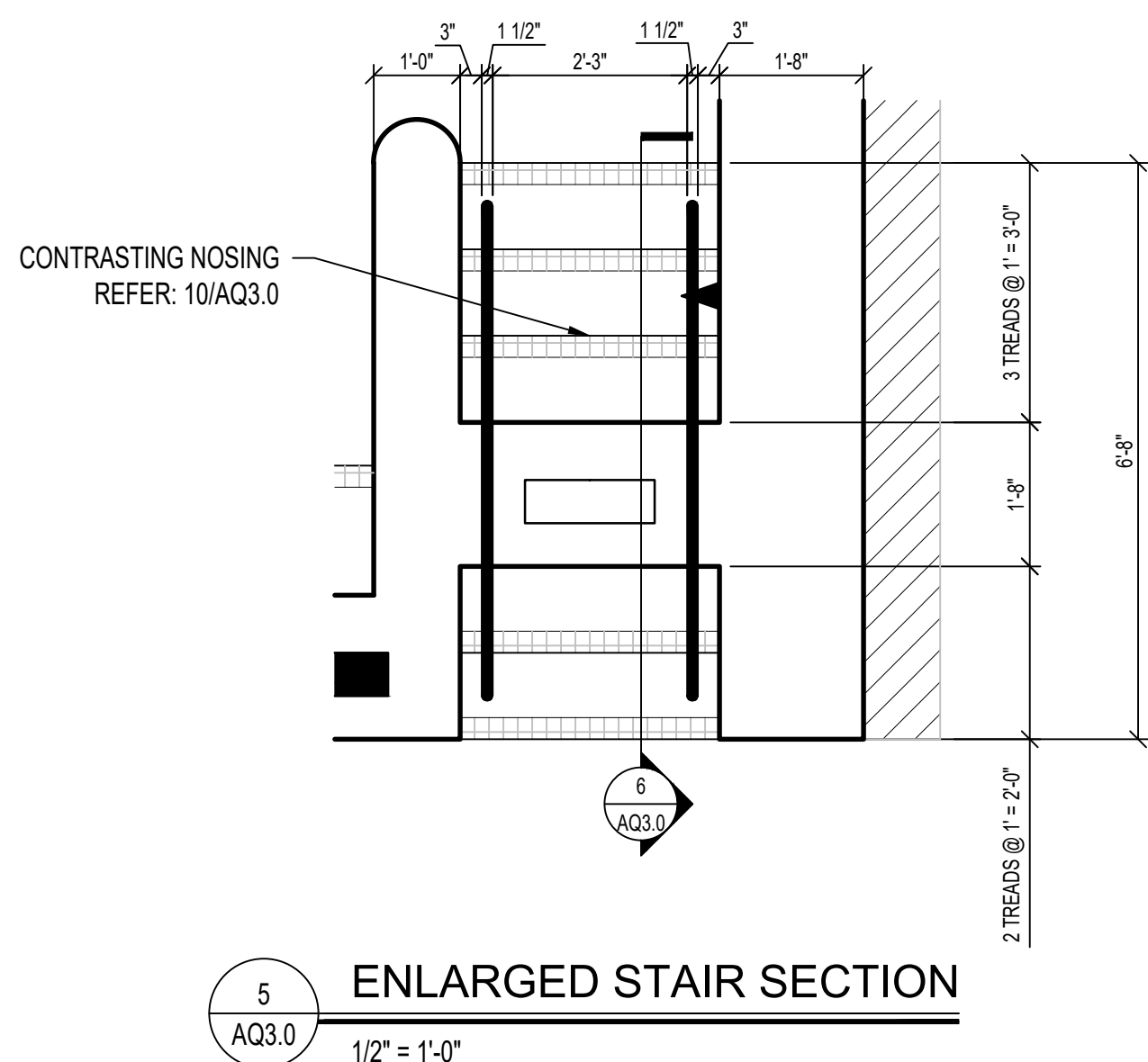
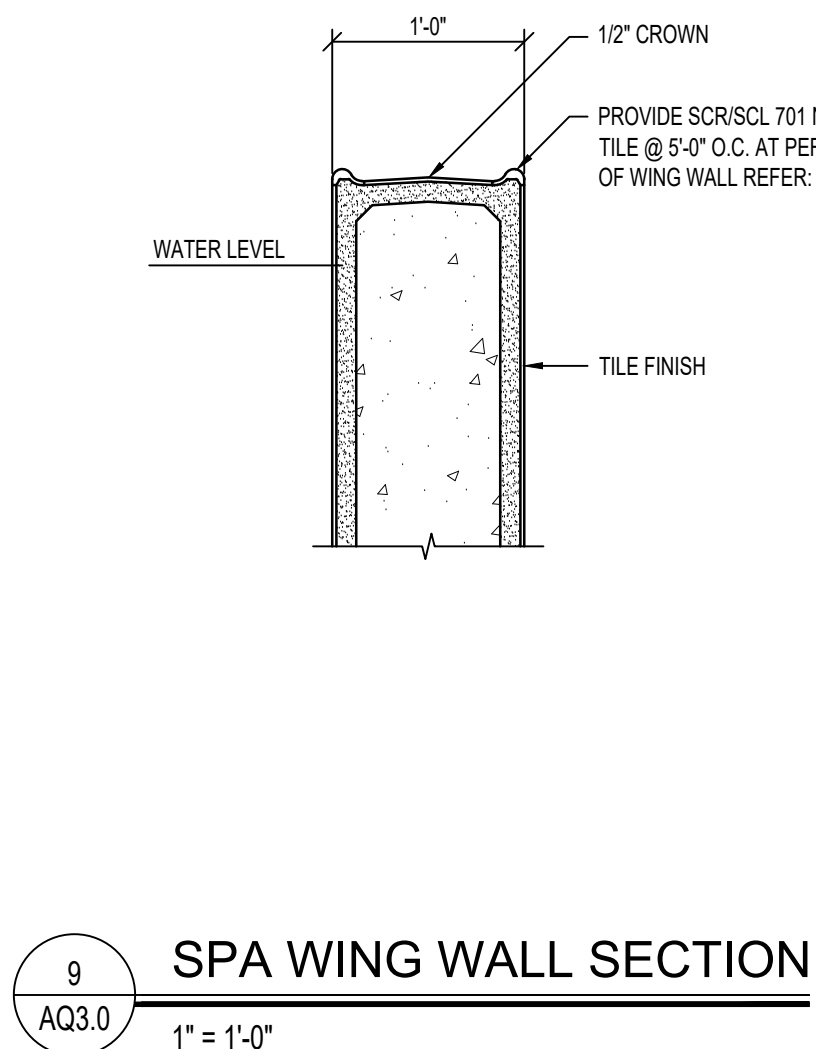
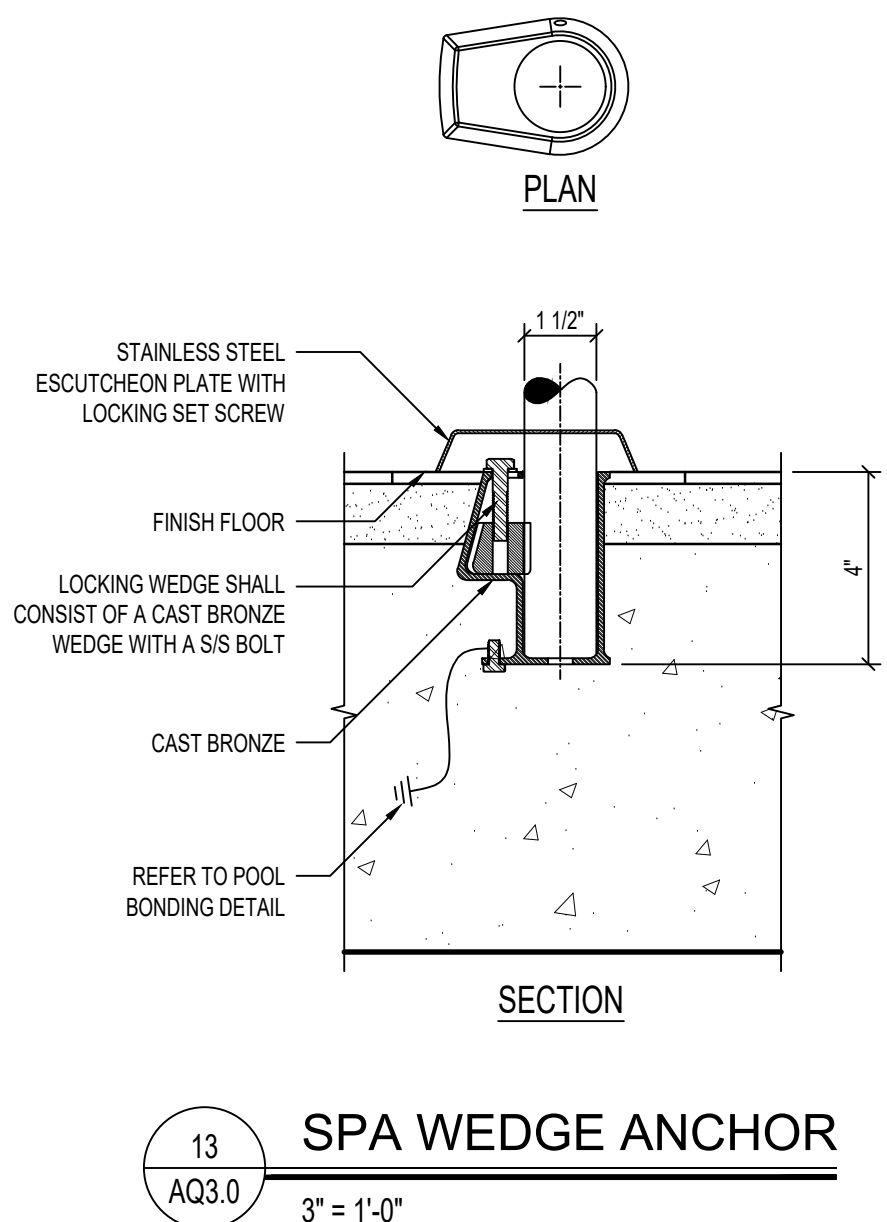
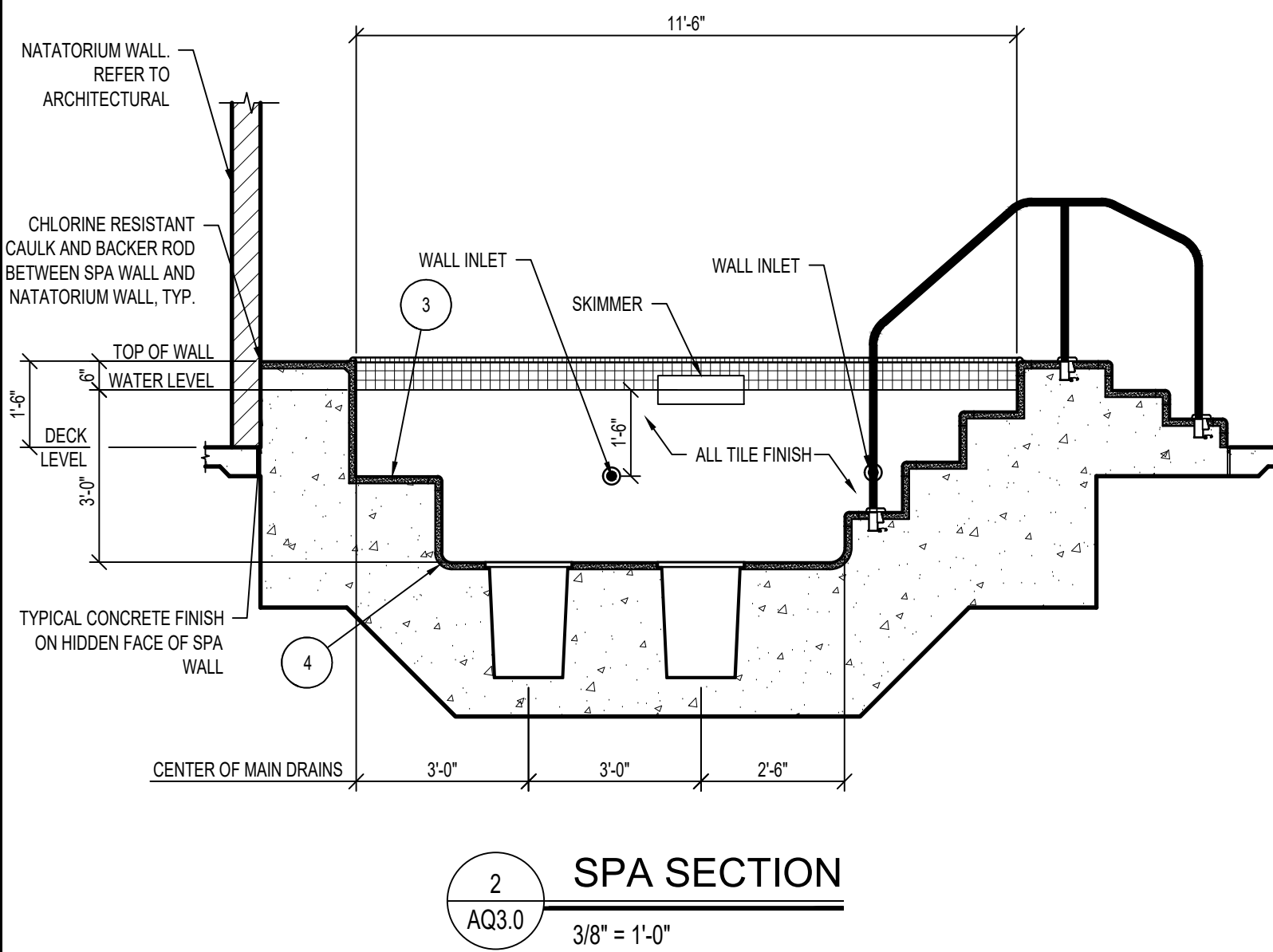
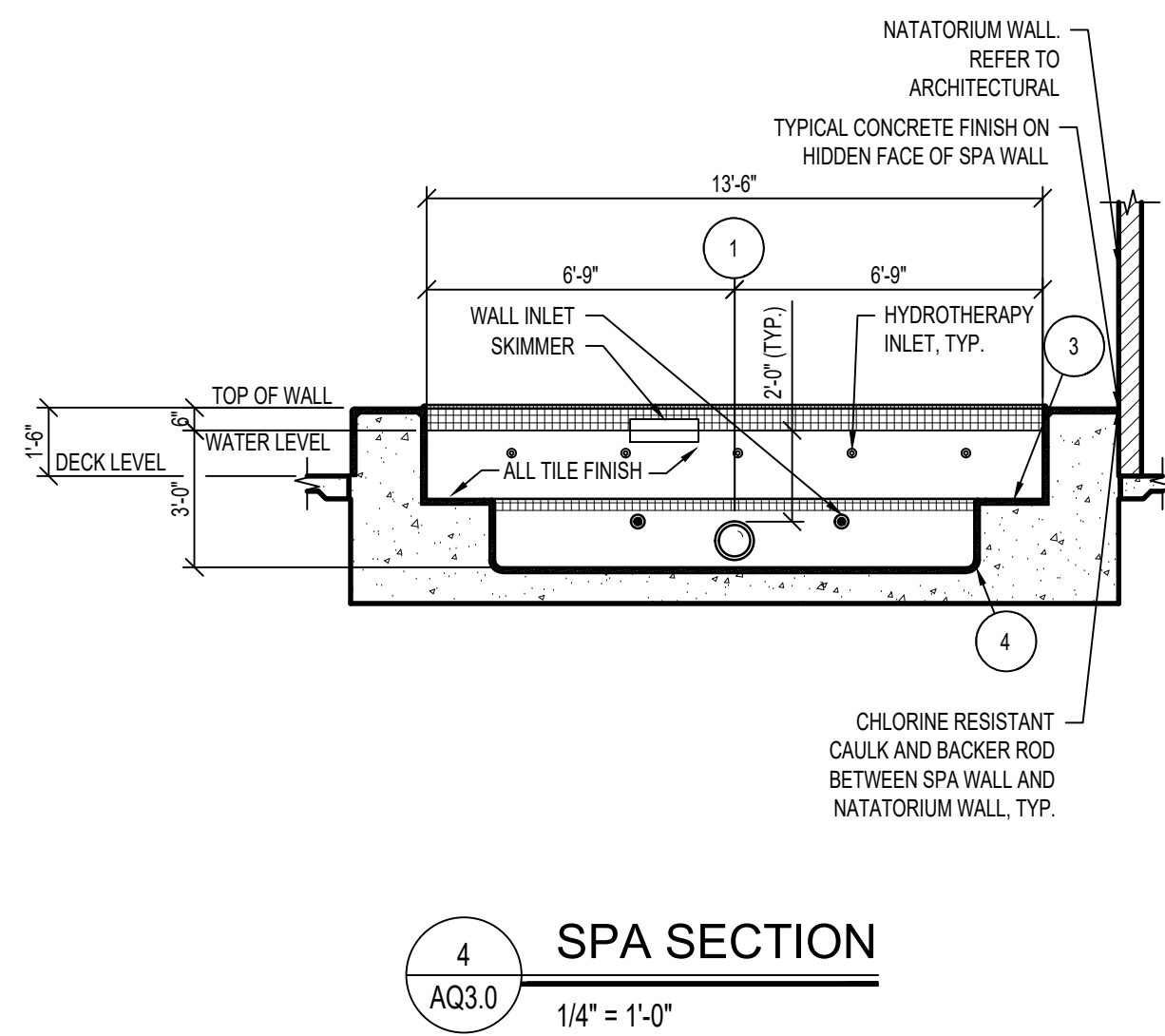
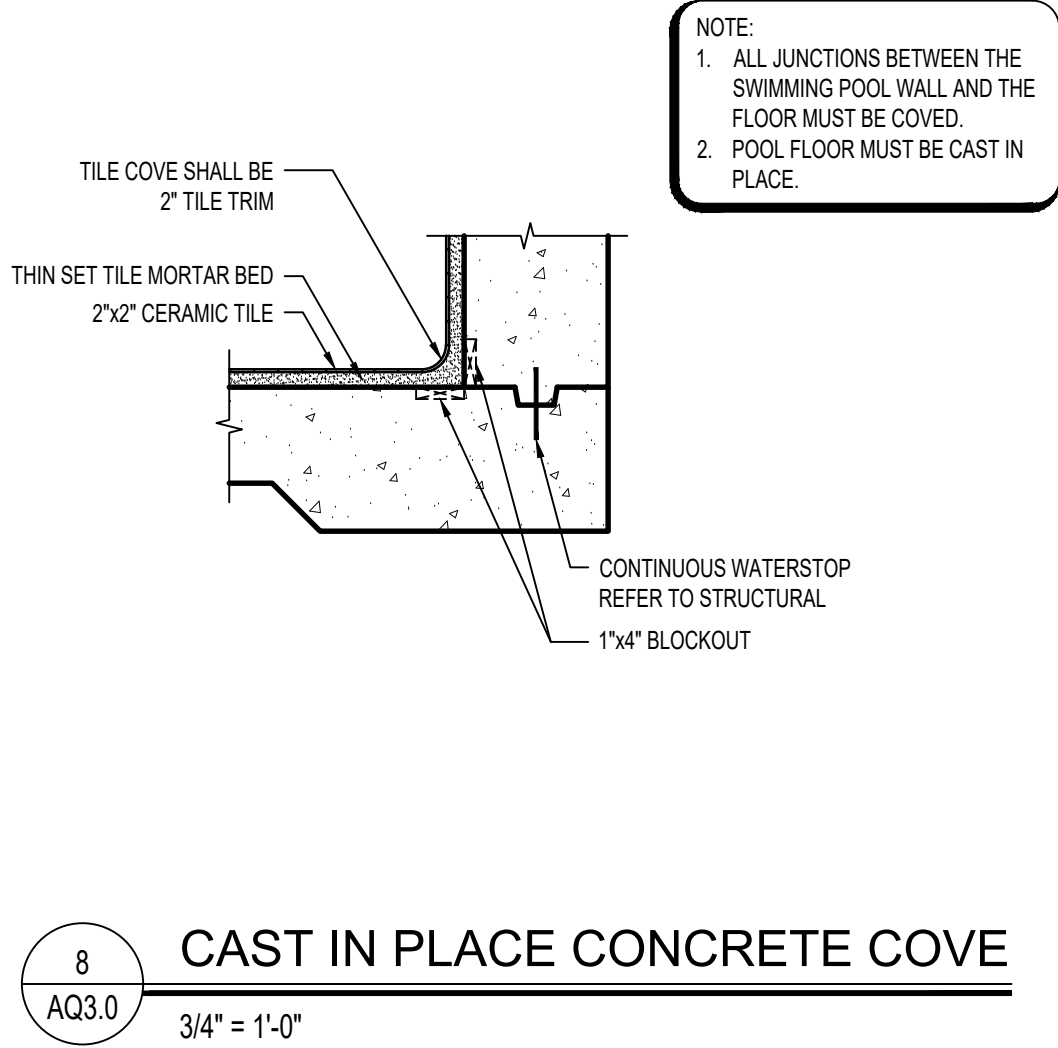
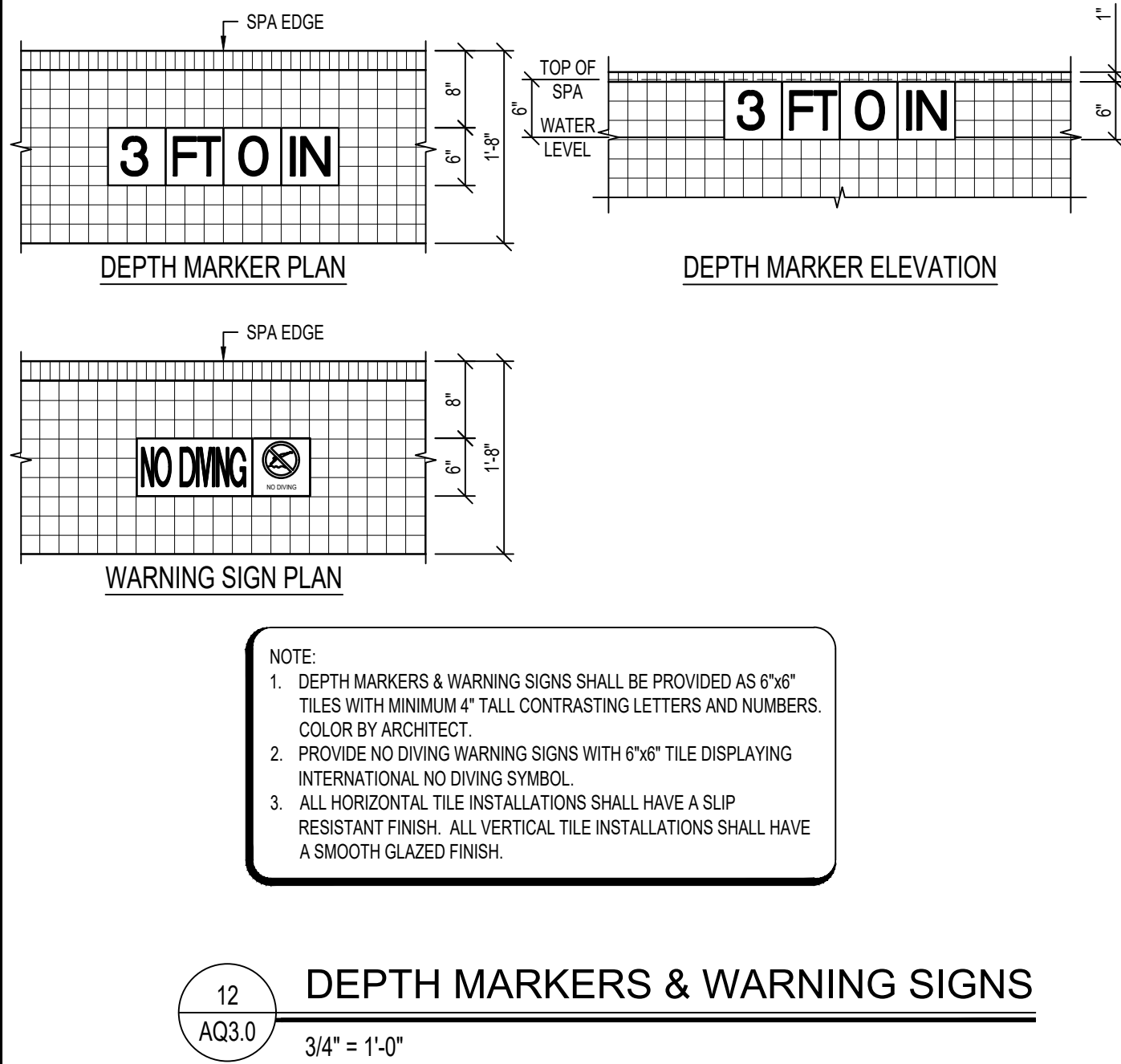
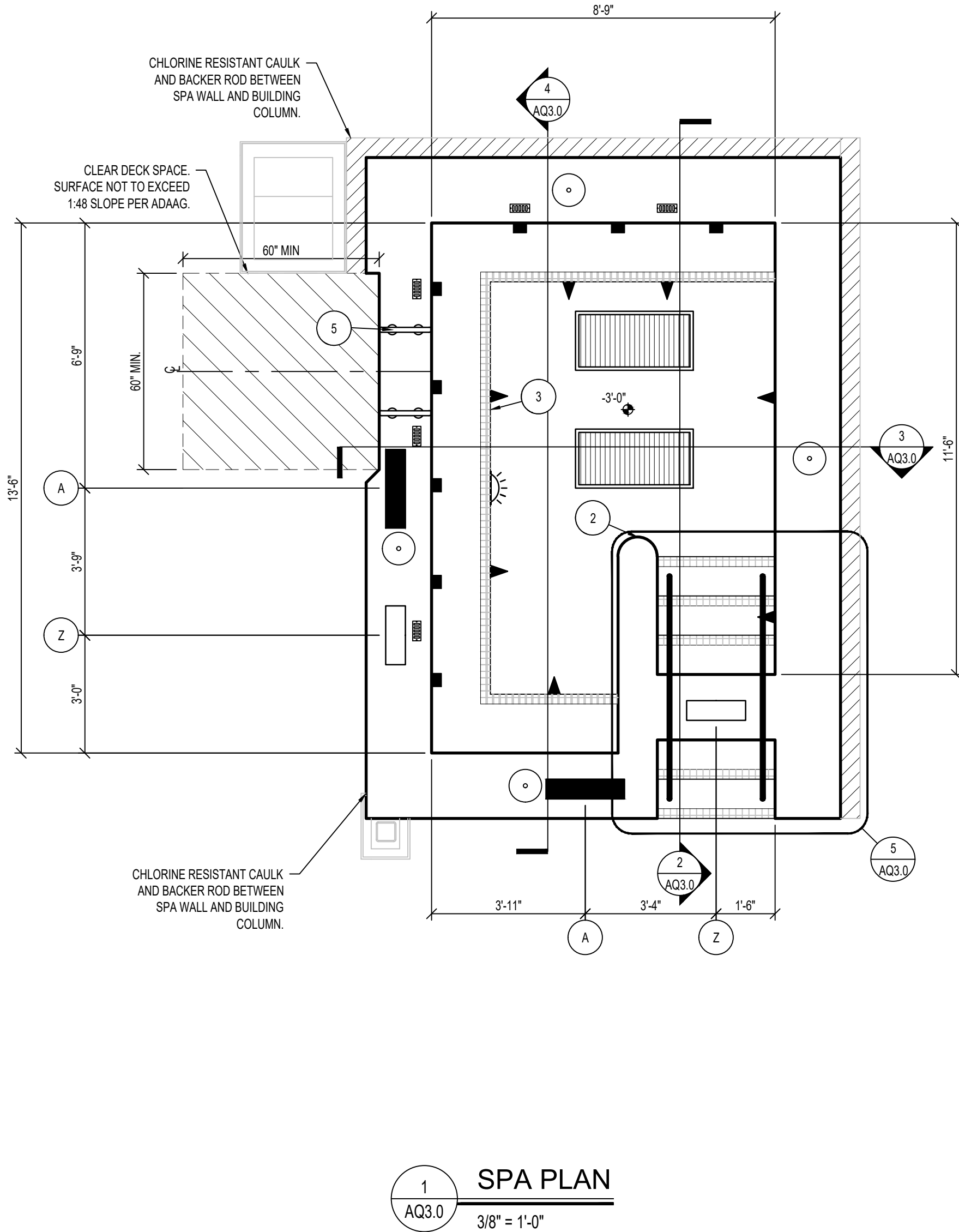
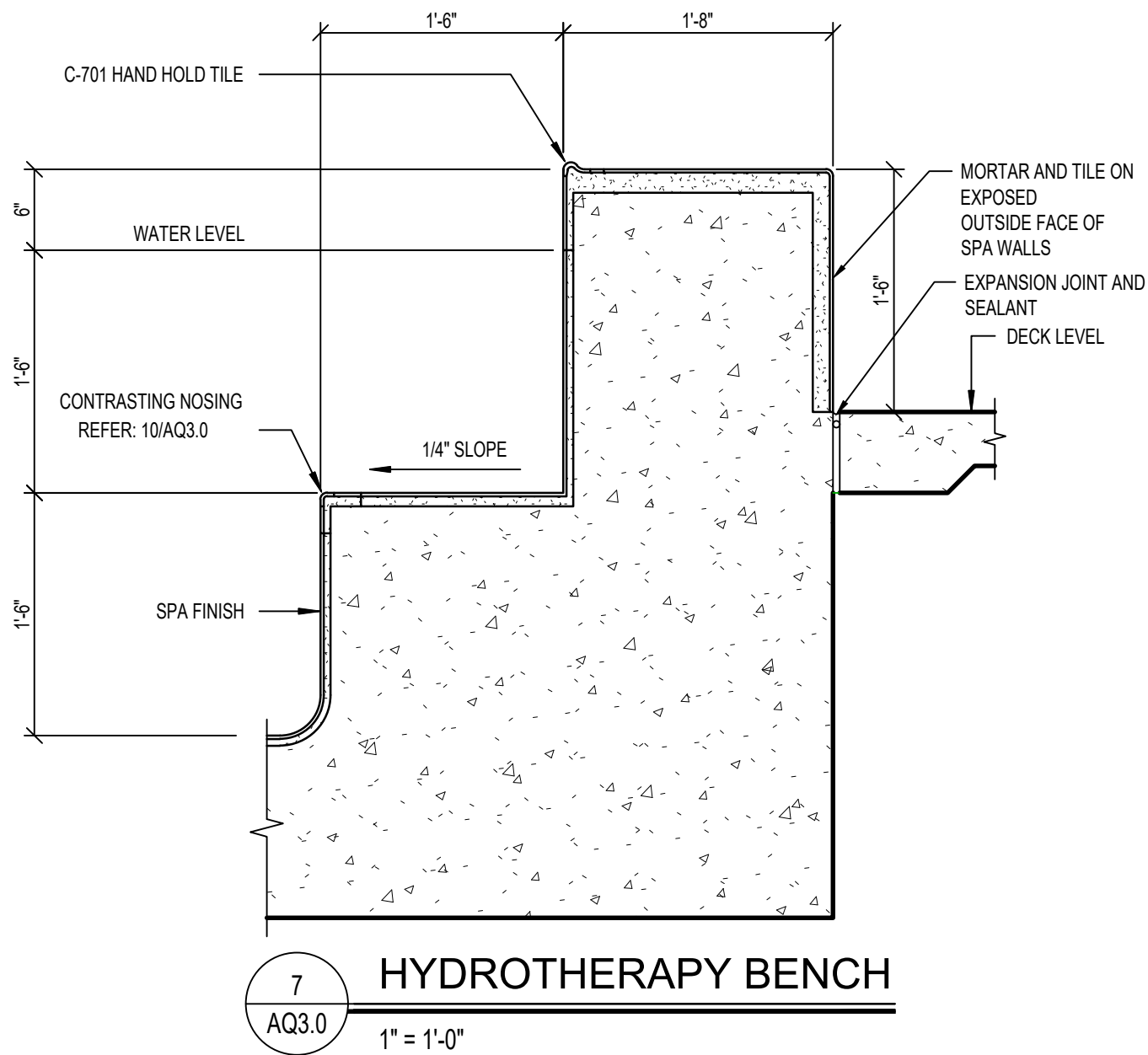
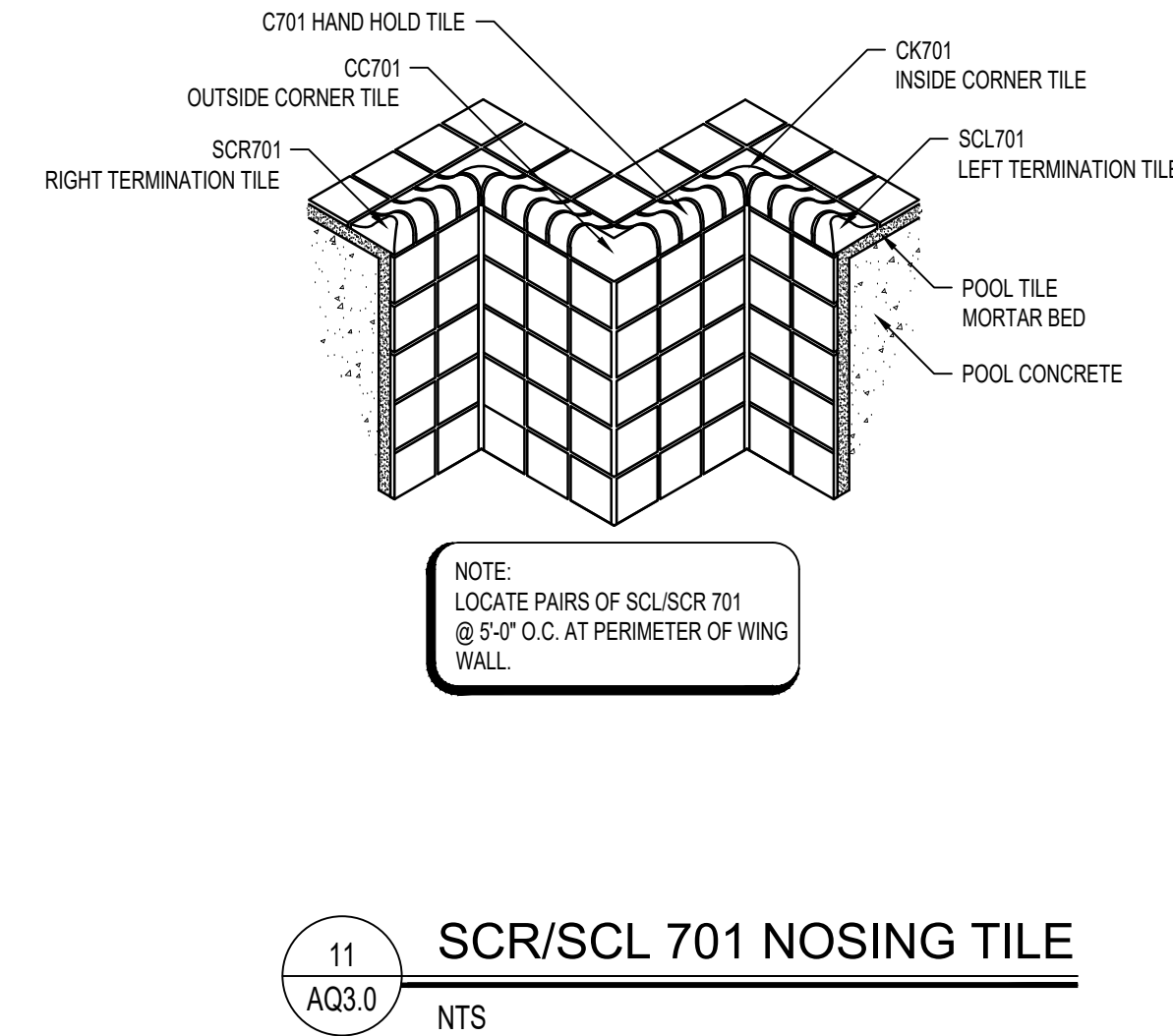
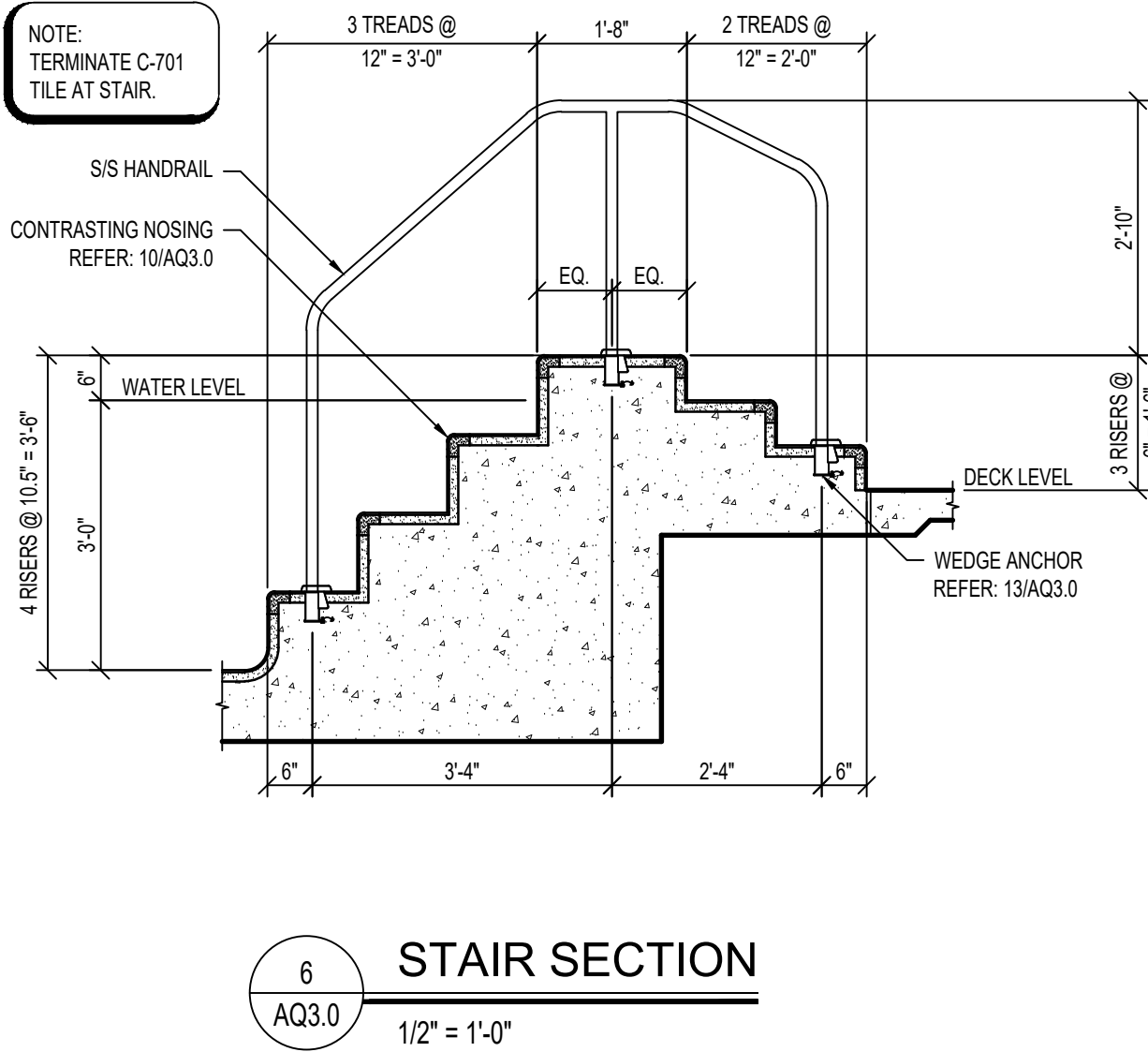
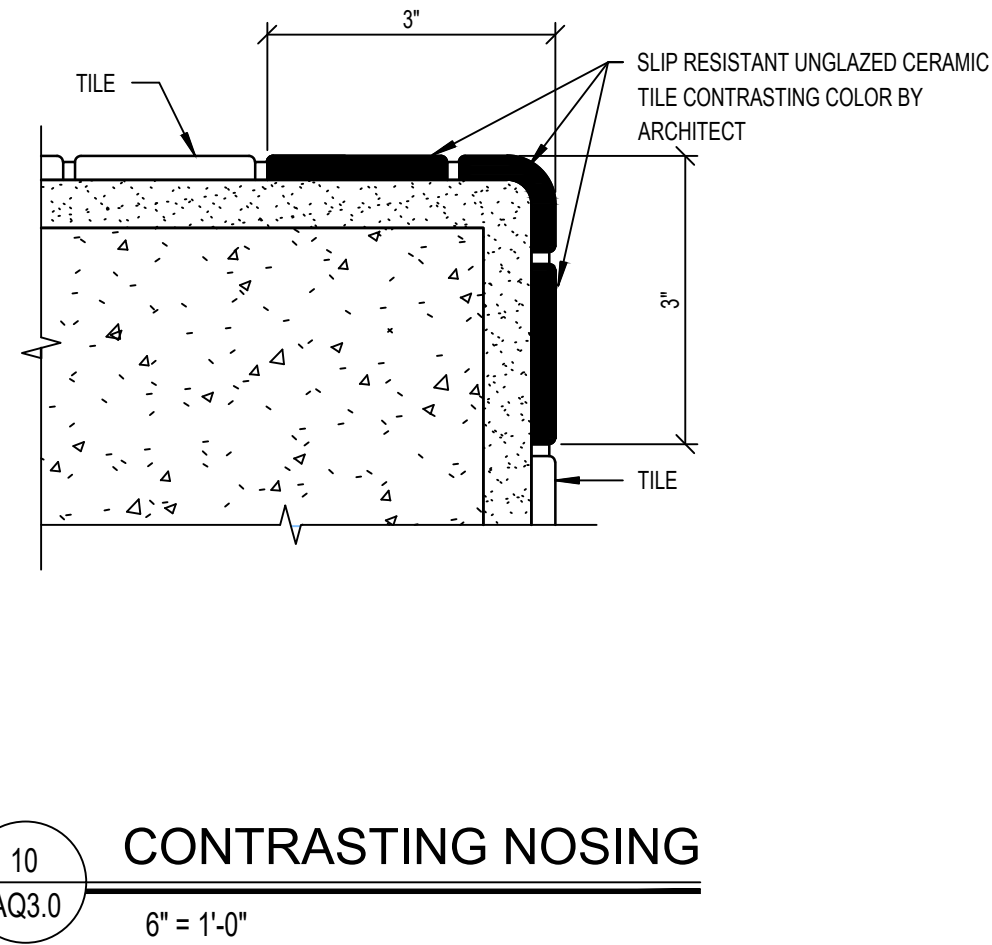
AS NOTED SCALE

C.J.L. / RWG DRAWN/CHK



AQ2.1



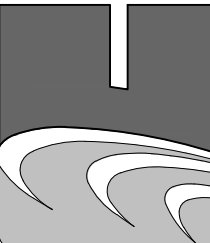


DEPTH & WARNING SIGNAGE SCHEDULE	
ID	SIGNAGE
A	3 FT 0 IN
2	NO DIVING

NOTE:
REFER: 12/AQ3.0 FOR DETAIL.

EQUIPMENT SCHEDULE	
ID	ITEM
1	UNDERWATER LIGHT REFER: 2/AQ3.1
2	WING WALL REFER: 8/AQ3.0
3	HYDROTHERAPY BENCH REFER: 7/AQ3.0
4	POOL COVE REFER: 8/AQ3.0
5	SPA GRAB RAILS REFER: 1/AQ3.1

LEGEND



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NO REVISION DATE

TERREBONNE HEALTH AND WELLNESS CENTER PROJECT

855 WESTSIDE BLVD EXTENSION
HOUMA, LA 70360

21001 JOB NO

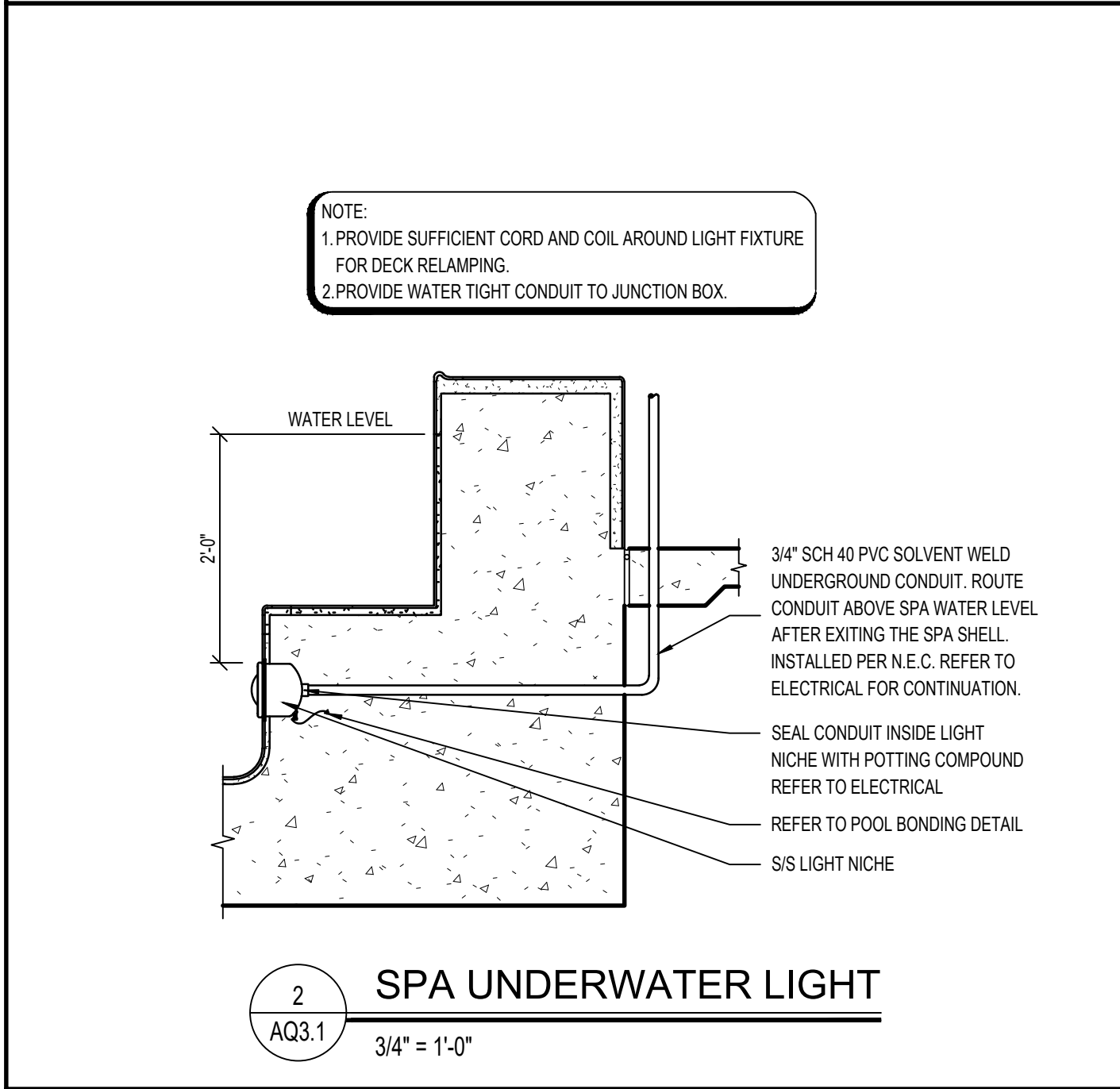
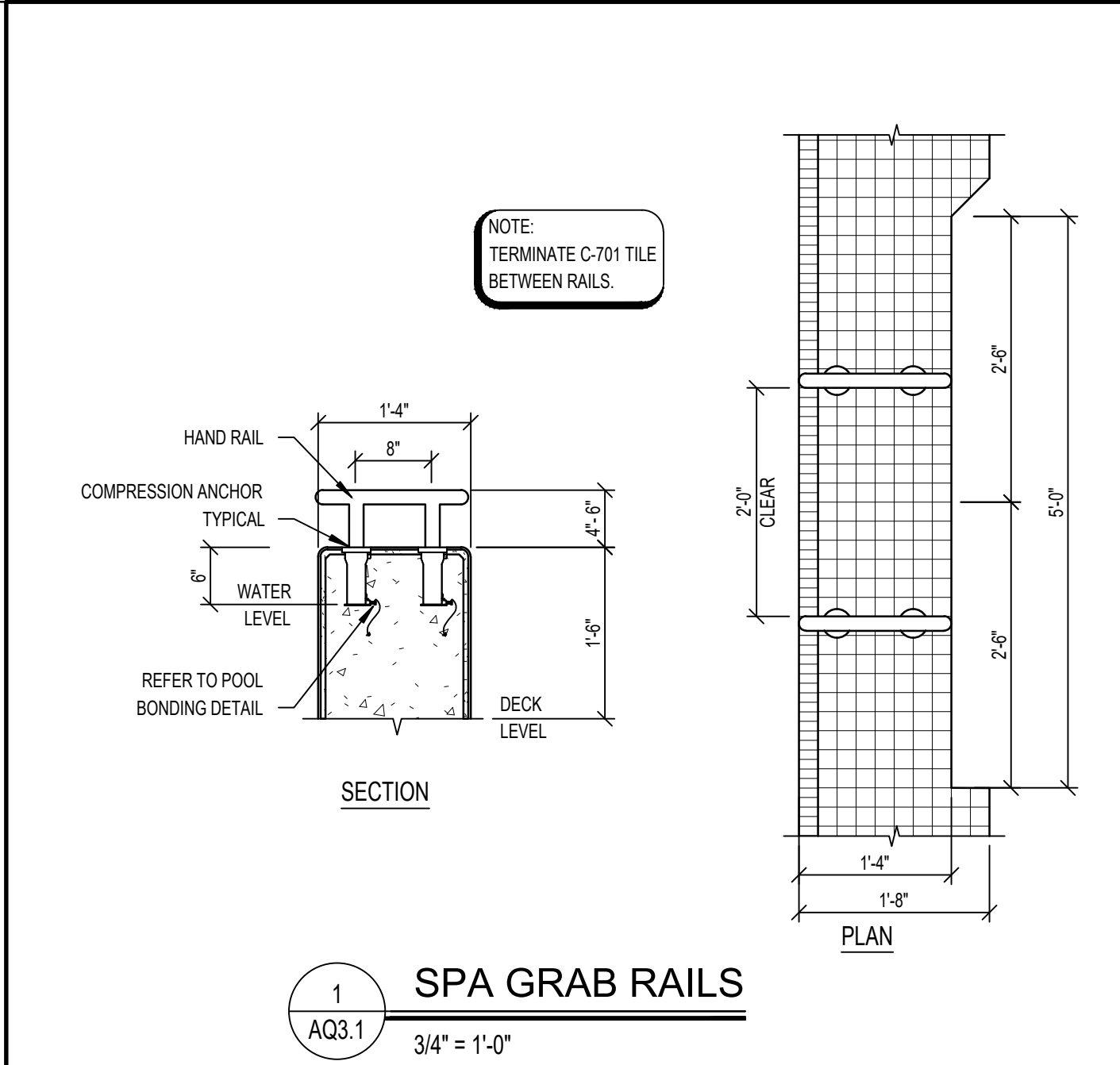
SPA PLAN, SECTIONS, & DETAILS

AS NOTED SCALE

C.J.L / RWG DRAWN/CHK



AQ3.0



Terrebonne
GENERAL HEALTH SYSTEM

LEGEND

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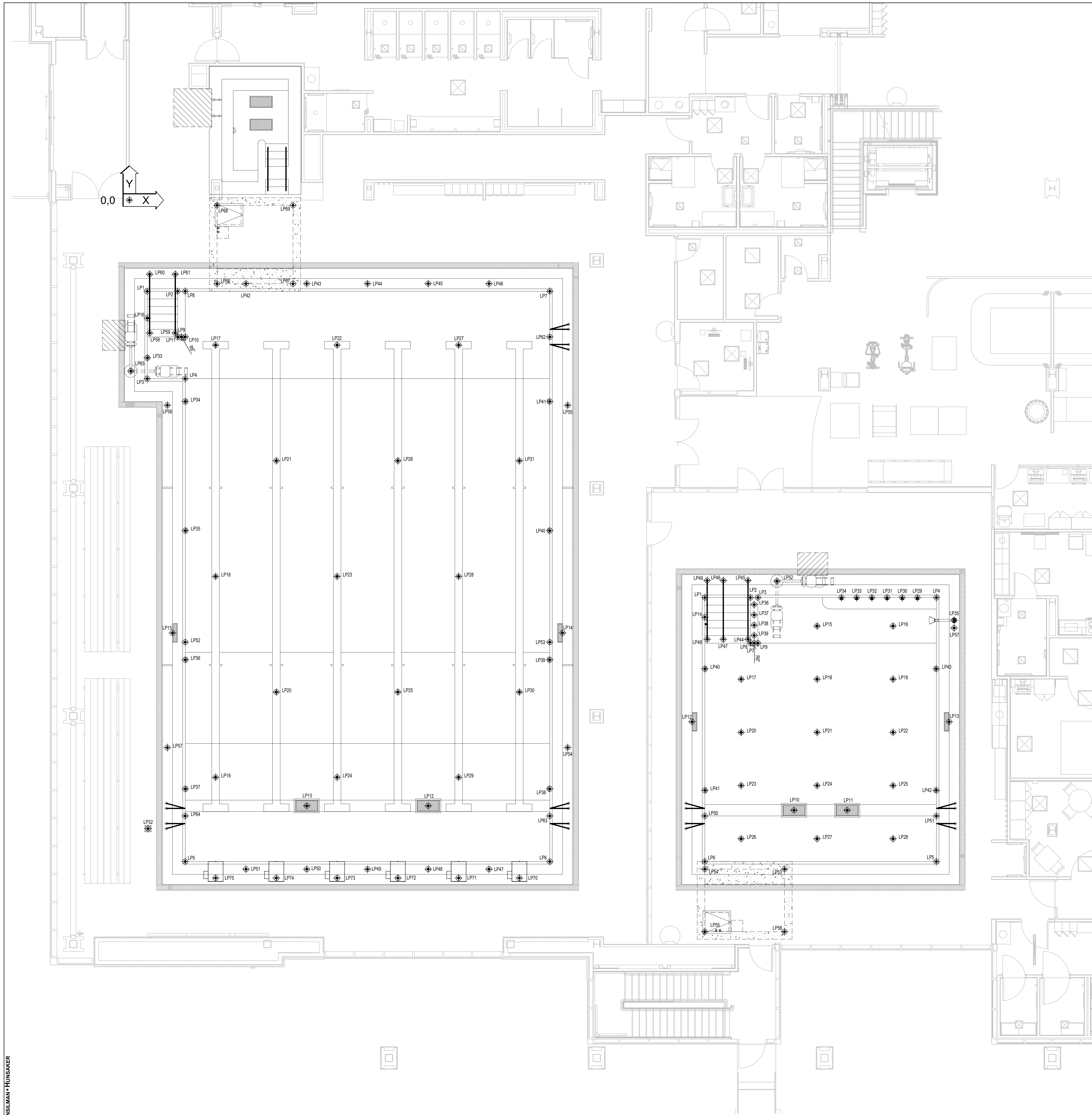
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BID SET		10.15.2025
NO	REVISION	DATE
TERREBONNE HEALTH AND WELLNESS CENTER		PROJECT
855 WESTSIDE BLVD EXTENSION HOUMA, LA 70360		
21001	JOB NO	

SPA DETAILS	
AS NOTED	SCALE
CJL / RWG	DRAWN/CHK

STATE OF LOUISIANA
DARREN THOMAS BEVARD
LICENSE NO. 32950
PROFESSIONAL ENGINEER
10.15.2025

AQ3.1



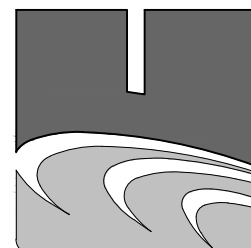
1
AQ4.0
LAP & WELLNESS POOL LOCATION POINT PLAN
3/16" = 1'-0"

LAP POOL LOCATION POINT SCHEDULE			
LP#	X	Y	DESCRIPTION
1	2'-4 1/4"	-12'-0"	CONSTRUCTION POINT
2	8'-4 1/4"	-12'-0"	CONSTRUCTION POINT
3	2'-4 1/4"	-23'-6"	CONSTRUCTION POINT
4	7'-4 1/4"	-23'-6"	CONSTRUCTION POINT
5	7'-4 1/4"	-87'-0 3/4"	CONSTRUCTION POINT
6	55'-4 1/4"	-87'-0 3/4"	CONSTRUCTION POINT
7	55'-4 1/4"	-12'-0"	CONSTRUCTION POINT
8	7'-4 1/4"	-12'-0"	CONSTRUCTION POINT
9	6'-10 1/4"	-18'-0"	ARC CENTER POINT
10	7'-4 1/4"	-18'-0"	ARC END POINT
11	6'-4 1/4"	-18'-0"	ARC END POINT
12	39'-4 1/4"	-79'-8 3/4"	CENTER OF MAIN DRAIN
13	23'-4 1/4"	-79'-8 3/4"	CENTER OF MAIN DRAIN
14	57'-0 1/2"	-56'-11 3/4"	GUTTER DROPOUT BOX
15	8'-8"	-56'-11 3/4"	GUTTER DROPOUT BOX
16	2'-4 1/4"	-15'-6 1/2"	WALL INLET
17	11'-4 1/4"	-19'-1"	FLOOR INLET
18	11'-4 1/4"	-49'-4 1/2"	FLOOR INLET
19	11'-4 1/4"	-79'-11 3/4"	FLOOR INLET
20	19'-4 1/4"	-84'-9"	FLOOR INLET
21	19'-4 1/4"	-34'-3 3/4"	FLOOR INLET
22	27'-4 1/4"	-19'-1"	FLOOR INLET
23	27'-4 1/4"	-49'-4 1/2"	FLOOR INLET
24	27'-4 1/4"	-79'-11 3/4"	FLOOR INLET
25	35'-4 1/4"	-49'-0"	FLOOR INLET
26	35'-4 1/4"	-34'-3 3/4"	FLOOR INLET
27	43'-4 1/4"	-19'-1"	FLOOR INLET
28	43'-4 1/4"	-49'-4 1/2"	FLOOR INLET
29	43'-4 1/4"	-79'-11 3/4"	FLOOR INLET
30	51'-4 1/4"	-49'-0"	FLOOR INLET
31	51'-4 1/4"	-34'-3 3/4"	FLOOR INLET
32	2'-6 1/2"	-82'-8 3/4"	SIGHT SUMP
33	2'-4 1/4"	-20'-9"	UNDERWATER LIGHT
34	7'-4 1/4"	-26'-6"	UNDERWATER LIGHT
35	7'-4 1/4"	-43'-6"	UNDERWATER LIGHT
36	7'-4 1/4"	-60'-6"	UNDERWATER LIGHT
37	7'-4 1/4"	-77'-6"	UNDERWATER LIGHT
38	55'-4 1/4"	-77'-6"	UNDERWATER LIGHT
39	55'-4 1/4"	-60'-6"	UNDERWATER LIGHT
40	55'-4 1/4"	-43'-6"	UNDERWATER LIGHT
41	55'-4 1/4"	-26'-6"	UNDERWATER LIGHT
42	15'-4 1/4"	-11'-0"	LANE ROPE CLIP ANCHOR
43	23'-4 1/4"	-11'-0"	LANE ROPE CLIP ANCHOR
44	31'-4 1/4"	-11'-0"	LANE ROPE CLIP ANCHOR
45	39'-4 1/4"	-11'-0"	LANE ROPE CLIP ANCHOR
46	47'-4 1/4"	-11'-0"	LANE ROPE CLIP ANCHOR
47	47'-4 1/4"	-88'-1"	LANE ROPE CLIP ANCHOR
48	39'-4 1/4"	-88'-1"	LANE ROPE CLIP ANCHOR
49	31'-4 1/4"	-88'-1"	LANE ROPE CLIP ANCHOR
50	23'-4 1/4"	-88'-1"	LANE ROPE CLIP ANCHOR
51	15'-4 1/4"	-88'-1"	LANE ROPE CLIP ANCHOR
52	7'-4 1/4"	-88'-1"	LANE ROPE CLIP ANCHOR
53	55'-4 1/4"	-88'-2 1/4"	SAFETY ROPE CLIP ANCHOR
54	57'-8 1/2"	-72'-0 3/4"	STANCHION POST ANCHOR
55	57'-8 1/2"	-27'-0"	STANCHION POST ANCHOR
56	5'-0"	-27'-0"	STANCHION POST ANCHOR
57	5'-0"	-72'-0 3/4"	STANCHION POST ANCHOR
58	2'-8"	-17'-6"	HANDRAIL END POINT
59	6'-0 1/2"	-17'-6"	HANDRAIL END POINT
60	2'-8"	-9'-9"	HANDRAIL END POINT
61	6'-0 1/2"	-9'-9"	HANDRAIL END POINT
62	55'-4 1/4"	-18'-0"	GRAB RAIL
63	55'-4 1/4"	-81'-0 3/4"	GRAB RAIL
64	7'-4 1/4"	-81'-0 3/4"	GRAB RAIL
65	3'-1/4"	-22'-9"	POOL LIFT ANCHOR
66	11'-6 1/2"	-11'-0"	SURGE TANK CONSTRUCTION POINT
67	21'-8 1/2"	-11'-0"	SURGE TANK CONSTRUCTION POINT
68	11'-8 1/2"	-8'-1/4"	SURGE TANK CONSTRUCTION POINT
69	21'-8 1/2"	-8'-1/4"	SURGE TANK CONSTRUCTION POINT
70	51'-4 1/4"	-89'-2 3/4"	STARTING BLOCK ANCHOR
71	43'-4 1/4"	-89'-2 3/4"	STARTING BLOCK ANCHOR
72	35'-4 1/4"	-89'-2 3/4"	STARTING BLOCK ANCHOR
73	27'-4 1/4"	-89'-2 3/4"	STARTING BLOCK ANCHOR
74	19'-4 1/4"	-89'-2 3/4"	STARTING BLOCK ANCHOR
75	11'-4 1/4"	-89'-2 3/4"	STARTING BLOCK ANCHOR

WELLNESS POOL LOCATION POINT SCHEDULE			
LP#	X	Y	DESCRIPTION
1	75'-9 1/4"	-52'-3 3/4"	CONSTRUCTION POINT
2	81'-9 1/4"	-52'-3 3/4"	CONSTRUCTION POINT
3	82'-9 1/4"	-52'-3 3/4"	CONSTRUCTION POINT
4	106'-3 1/4"	-52'-3 3/4"	CONSTRUCTION POINT
5	106'-3 1/4"	-87'-0 3/4"	CONSTRUCTION POINT
6	75'-9 1/4"	-87'-0 3/4"	CONSTRUCTION POINT
7	82'-3 1/4"	-58'-3 3/4"	ARC CENTER POINT
8	81'-9 1/4"	-58'-3 3/4"	ARC END POINT
9	82'-9 1/4"	-58'-3 3/4"	ARC END POINT
10	87'-6 1/4"	-80'-3 3/4"	CENTER OF MAIN DRAIN
11	84'-6 1/4"	-80'-3 3/4"	CENTER OF MAIN DRAIN
12	72'-1"	-49'-0"	GUTTER DROPOUT BOX
13	107'-11 1/2"	-49'-8"	GUTTER DROPOUT BOX
14	75'-9 1/4"	-54'-10 3/4"	WALL INLET
15	90'-6 3/4"	-56'-0 3/4"	FLOOR INLET
16	100'-6 3/4"	-56'-0 3/4"	FLOOR INLET
17	100'-6 3/4"	-83'-0 3/4"	FLOOR INLET
18	90'-6 3/4"	-83'-0 3/4"	FLOOR INLET
19	100'-6 3/4"	-43'-0 3/4"	FLOOR INLET
20	80'-6 3/4"	-70'-0 3/4"	FLOOR INLET
21	90'-6 3/4"	-70'-0 3/4"	FLOOR INLET
22	100'-6 3/4"	-70'-0 3/4"	FLOOR INLET
23	80'-6 3/4"	-77'-0 3/4"	FLOOR INLET
24	90'-6 3/4"	-77'-0 3/4"	FLOOR INLET
25	100'-6 3/4"	-77'-0 3/4"	FLOOR INLET
26	80'-6 3/4"	-84'-0 3/4"	FLOOR INLET
27	90'-6 3/4"	-84'-0 3/4"	FLOOR INLET
28	100'-6 3/4"	-84'-0 3/4"	FLOOR INLET
29	105'-9 1/4"	-52'-3 3/4"	HYDROTHERAPY INLET
30	101'-9 1/4"	-52'-3 3/4"	HYDROTHERAPY INLET
31	99'-9 1/4"	-52'-3 3/4"	HYDROTHERAPY INLET
32	97'-9 1/4"	-52'-3 3/4"	HYDROTHERAPY INLET
33	99'-9 1/4"	-52'-3 3/4"	HYDROTHERAPY INLET
34	99'-9 1/4"	-52'-3 3/4"	HYDROTHERAPY INLET
35	106'-7 1/4"	-53'-3 3/4"	RESTORATIVE SPRAY NO. 1
36	82'-3 1/4"	-53'-3"	GS SPRAY TUNNEL 4
37	82'-3 1/4"	-54'-7 1/4"	GS SPRAY TUNNEL 4
38	82'-3 1/4"	-55'-11 1/2"	GS SPRAY TUNNEL 4
39	82'-3 1/4"	-57'-3 3/4"	GS SPRAY TUNNEL 4
40	75'-9 1/4"	-61'-8 1/4"	UNDERWATER LIGHT
41	75'-9 1/4"	-77'-8 1/4"	UNDERWATER LIGHT
42	106'-3 1/4"	-77'-8 1/4"	UNDERWATER LIGHT
43	106'-3 1/4"	-61'-8 1/4"	UNDERWATER LIGHT
44	81'-5 1/2"	-57'-9 3/4"	HANDRAIL END POINT
45	81'-5 1/2"	-30'-0 3/4"	HANDRAIL END POINT
46	85'-0 3/4"	-57'-9 3/4"	HANDRAIL END POINT
47	78'-2 1/2"	-57'-9 3/4"	HANDRAIL END POINT
48	76'-1"	-57'-9 3/4"	HANDRAIL END POINT
49	76'-1"	-50'-0 3/4"	HANDRAIL END POINT
50	75'-9 1/4"	-81'-0 3/4"	GRAB RAIL
51	106'-3 1/4"	-81'-0 3/4"	GRAB RAIL
52	85'-3 1/4"	-55'-1 3/4"	POOL LIFT ANCHOR
53	86'-3 1/4"	-86'-0 3/4"	SURGE TANK CONSTRUCTION POINT
54	75'-9 1/4"	-86'-0 3/4"	SURGE TANK CONSTRUCTION POINT
55	75'-9 1/4"	-86'-3 1/2"	SURGE TANK CONSTRUCTION POINT
56	86'-3 1/4"	-86'-3 1/2"	SURGE TANK CONSTRUCTION POINT
57	108'-7 1/4"	-56'-3 3/4"	SPRAY FEATURE ACTIVATOR BUTTON



LEGEND



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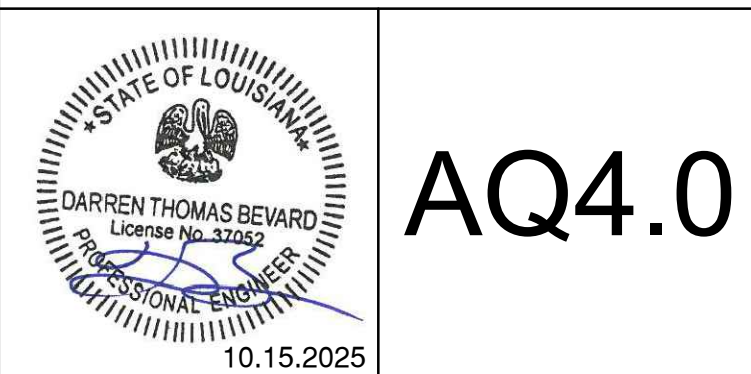
TERREBONNE HEALTH AND WELLNESS CENTER
PROJECT
855 WESTSIDE BLVD EXTENSION
HOUMA, LA 70360

21001
JOB NO

LAP & WELLNESS POOL
LOCATION POINT PLAN

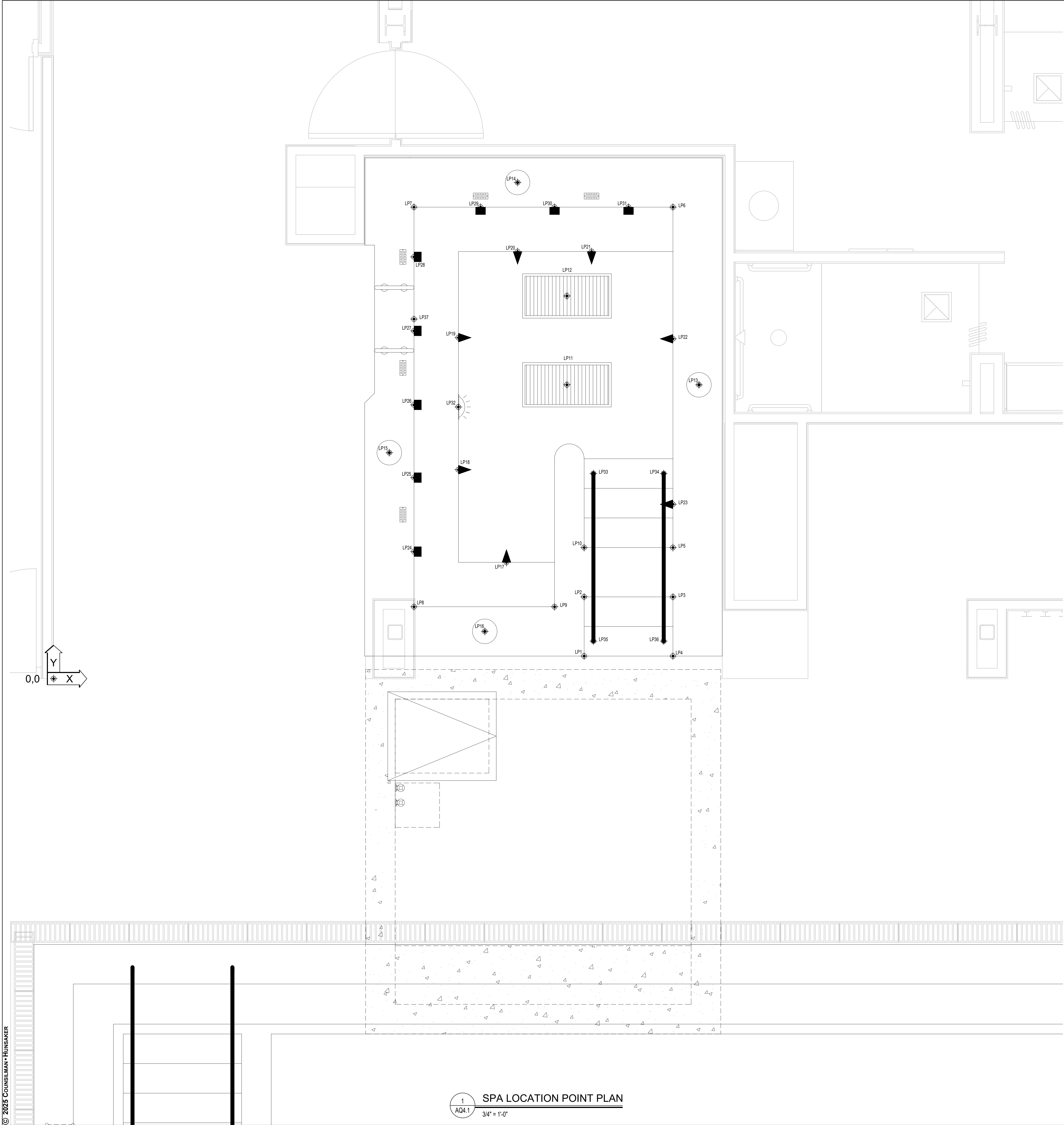
AS NOTED SCALE

C/JL / RWG DRAWN/CHK



AQ4.0

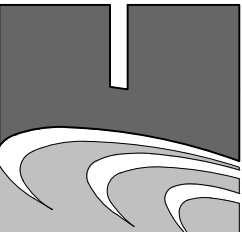




LOCATION POINT SCHEDULE			
LP#	X	Y	DESCRIPTION
1	17'-11"	9'-14"	CONSTRUCTION POINT
2	17'-11"	2'-9 1/4"	CONSTRUCTION POINT
3	20'-11 1/4"	2'-9 1/4"	CONSTRUCTION POINT
4	20'-11 1/4"	9'-14"	CONSTRUCTION POINT
5	20'-11 1/4"	4'-5 1/4"	CONSTRUCTION POINT
6	20'-11 1/4"	15'-11 1/4"	CONSTRUCTION POINT
7	12'-2 1/4"	15'-11 1/4"	CONSTRUCTION POINT
8	12'-2 1/4"	2'-5 1/4"	CONSTRUCTION POINT
9	16'-11"	2'-5 1/4"	CONSTRUCTION POINT
10	17'-11"	4'-5 1/4"	CONSTRUCTION POINT
11	17'-4 1/4"	9'-11 1/4"	CENTER OF MAIN DRAIN
12	17'-4 1/4"	12'-11 1/4"	CENTER OF MAIN DRAIN
13	21'-9 3/4"	9'-11 1/4"	CENTER OF SKIMMER LID
14	15'-8 1/4"	16'-9 1/4"	CENTER OF SKIMMER LID
15	11'-4 1/4"	7'-7 1/2"	CENTER OF SKIMMER LID
16	14'-8 3/4"	1'-7 1/4"	CENTER OF SKIMMER LID
17	15'-3 3/4"	3'-11 1/4"	WALL INLET
18	13'-8 1/4"	7'-0 3/4"	WALL INLET
19	13'-8 1/4"	11'-8 1/4"	WALL INLET
20	15'-8 1/4"	14'-5 1/4"	WALL INLET
21	18'-2 1/4"	14'-5 1/4"	WALL INLET
22	20'-11 1/4"	11'-5 3/4"	WALL INLET
23	20'-11 1/4"	5'-10 3/4"	WALL INLET
24	12'-2 1/4"	4'-3 1/2"	HYDROTHERAPY INLET
25	12'-2 1/4"	8'-9 1/2"	HYDROTHERAPY INLET
26	12'-2 1/4"	11'-8"	HYDROTHERAPY INLET
27	12'-2 1/4"	14'-3"	HYDROTHERAPY INLET
28	14'-5 1/4"	15'-11 1/4"	HYDROTHERAPY INLET
29	16'-11 1/4"	15'-11 1/4"	HYDROTHERAPY INLET
30	19'-5 1/4"	15'-11 1/4"	HYDROTHERAPY INLET
31	13'-8 1/4"	9'-2 1/4"	UNDERWATER LIGHT
32	18'-2 3/4"	6'-11 1/4"	HANDRAIL END POINT
33	20'-7 1/2"	6'-11 1/4"	HANDRAIL END POINT
34	18'-2 3/4"	1'-3 1/4"	HANDRAIL END POINT
35	20'-7 1/2"	1'-3 1/4"	HANDRAIL END POINT
36	12'-2 1/4"	12'-1 3/4"	GRAB RAIL



LEGEND



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SCALES AS STATED HEREON ARE VALID ON THE ORIGINAL DRAWING ONLY.

THESE PLANS WERE PREPARED IN THIS OFFICE UNDER OUR PERSONAL SUPERVISION, AND TO THE BEST OF OUR KNOWLEDGE COMPLY WITH STATE AND LOCAL CODES. WE WILL GENERALLY ADMINISTER CONSTRUCTION.

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BID SET	NO	REVISION	DATE

TERREBONNE HEALTH AND WELLNESS CENTER PROJECT

855 WESTSIDE BLVD EXTENSION HOUMA, LA 70360

21001 JOB NO

SPA LOCATION POINT PLAN

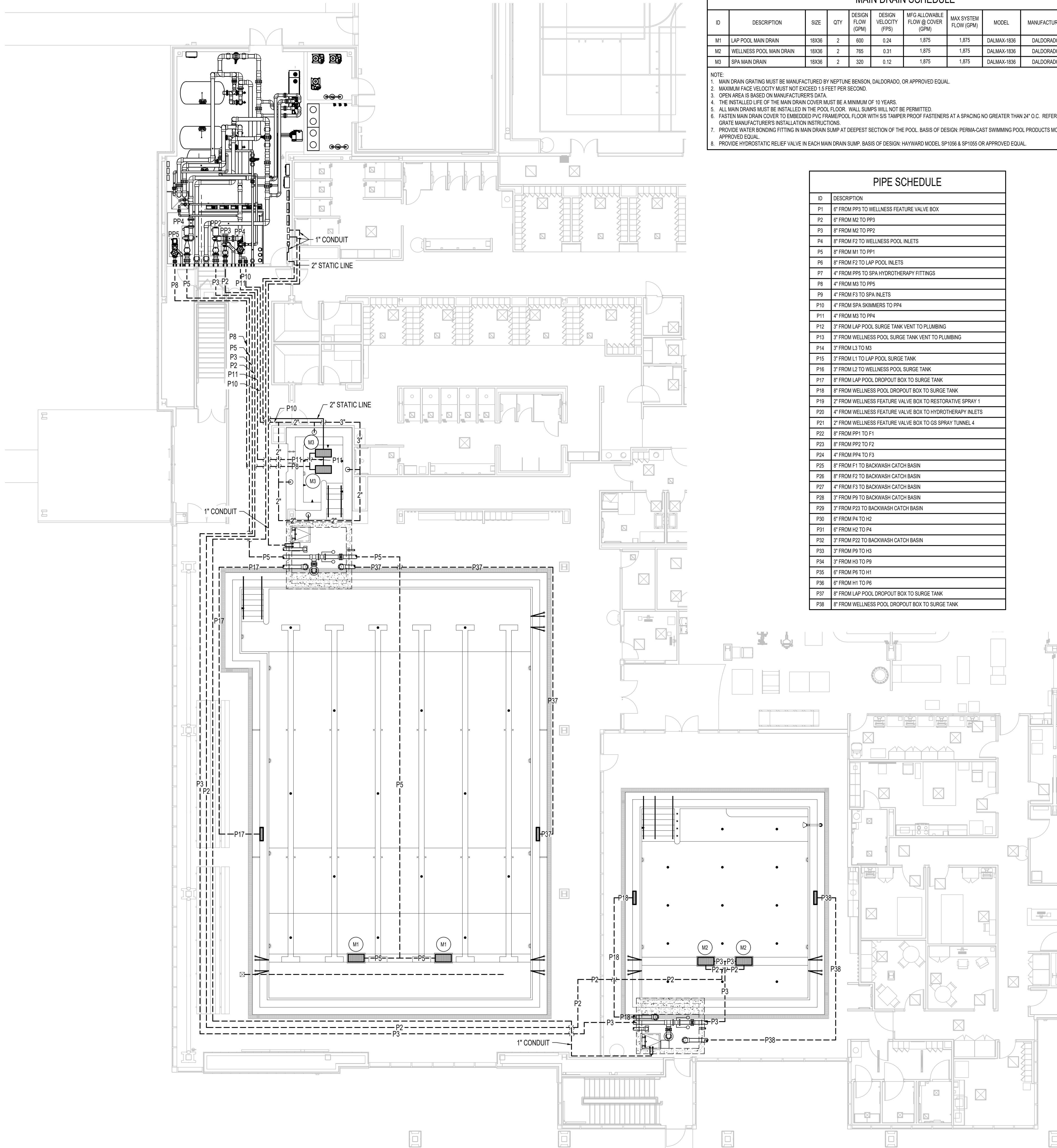
AS NOTED SCALE

CJL / RWG DRAWN/CHK



AQ4.1





1
AQ5.0
POOL SUCTION PIPING PLAN
1/8" = 1'-0"

MAIN DRAIN SCHEDULE										
ID	DESCRIPTION	SIZE	QTY	DESIGN FLOW VELOCITY (GPM)	DESIGN FLOW VELOCITY (FPS)	MFG ALLOWABLE FLOW COVER (GPM)	MAX SYSTEM FLOW (GPM)	MODEL	MANUFACTURER	NOTES
M1	LAP POOL MAIN DRAIN	18X36	2	600	0.24	1,875	1,875	DALMAX-1836	DALDRADO	1-8
M2	WELLNESS POOL MAIN DRAIN	18X36	2	765	0.31	1,875	1,875	DALMAX-1836	DALDRADO	1-8
M3	SPA MAIN DRAIN	18X36	2	320	0.12	1,875	1,875	DALMAX-1836	DALDRADO	1-8

NOTE:

- MAIN DRAIN GRATING MUST BE MANUFACTURED BY NEPTUNE BENSON, DALDRADO, OR APPROVED EQUAL.
- MAXIMUM FACE VELOCITY MUST NOT EXCEED 1.5 FEET PER SECOND.
- OPEN AREA IS BASED ON MANUFACTURER'S DATA.
- THE INSTALLED LIFE OF THE MAIN DRAIN COVER MUST BE A MINIMUM OF 10 YEARS.
- ALL MAIN DRAINS MUST BE INSTALLED IN THE POOL FLOOR. WALL SUMPS WILL NOT BE PERMITTED.
- FASTEN MAIN DRAIN COVER TO EMBEDDED PVC FRAME/POOL FLOOR WITH SIS TAMPER PROOF FASTENERS AT A SPACING NO GREATER THAN 24" O.C. REFER TO FRAME AND GRATE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- PROVIDE WATER BONDING FITTING IN MAIN DRAIN SUMP AT DEEPEST SECTION OF THE POOL. BASIS OF DESIGN: PERMA-CAST SWIMMING POOL PRODUCTS MODEL PB-SK-20 OR APPROVED EQUAL.
- PROVIDE HYDROSTATIC RELIEF VALVE IN EACH MAIN DRAIN SUMP. BASIS OF DESIGN: HAYWARD MODEL SP1056 & SP1055 OR APPROVED EQUAL.

PIPE SCHEDULE	
ID	DESCRIPTION
P1	6" FROM PP3 TO WELLNESS FEATURE VALVE BOX
P2	6" FROM M2 TO PP3
P3	6" FROM M3 TO PP2
P4	6" FROM P2 TO WELLNESS POOL INLETS
P5	6" FROM M1 TO PP1
P6	6" FROM P2 TO LAP POOL INLETS
P7	4" FROM PP5 TO SPA HYDROTHERAPY FITTINGS
P8	4" FROM M3 TO PP5
P9	4" FROM F3 TO SPA INLETS
P10	4" FROM SPA SKIMMERS TO PP4
P11	4" FROM M3 TO PP4
P12	3" FROM LAP POOL SURGE TANK VENT TO PLUMBING
P13	3" FROM WELLNESS POOL SURGE TANK VENT TO PLUMBING
P14	3" FROM L3 TO M3
P15	3" FROM L1 TO LAP POOL SURGE TANK
P16	3" FROM L3 TO WELLNESS POOL SURGE TANK
P17	6" FROM LAP POOL DROPOUT BOX TO SURGE TANK
P18	6" FROM WELLNESS POOL DROPOUT BOX TO SURGE TANK
P19	2" FROM WELLNESS FEATURE VALVE BOX TO RESTORATIVE SPRAY 1
P20	4" FROM WELLNESS FEATURE VALVE BOX TO HYDROTHERAPY INLETS
P21	2" FROM WELLNESS FEATURE VALVE BOX TO GS SPRAY TUNNEL 4
P22	6" FROM PP1 TO F1
P23	6" FROM PP2 TO F2
P24	4" FROM PP4 TO F3
P25	6" FROM F1 TO BACKWASH CATCH BASIN
P26	6" FROM F2 TO BACKWASH CATCH BASIN
P27	4" FROM F3 TO BACKWASH CATCH BASIN
P28	3" FROM P9 TO BACKWASH CATCH BASIN
P29	3" FROM P23 TO BACKWASH CATCH BASIN
P30	6" FROM P4 TO H2
P31	6" FROM H2 TO P4
P32	3" FROM P22 TO BACKWASH CATCH BASIN
P33	3" FROM P9 TO H3
P34	3" FROM H3 TO P9
P35	6" FROM P6 TO H1
P36	6" FROM H1 TO P6
P37	6" FROM LAP POOL DROPOUT BOX TO SURGE TANK
P38	6" FROM WELLNESS POOL DROPOUT BOX TO SURGE TANK

GENERAL PIPING NOTES

1.	PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERATIONAL PIPING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2.	PIPE SIZES INDICATED ARE NOMINAL I.P.S.
3.	UNLESS OTHERWISE NOTED, ALL OVERHEAD PIPING MUST BE TIGHT TO UNDERSIDE OF STRUCTURE OR SLAB.
4.	ALL BALANCING VALVES AND BUTTERFLY VALVES MUST BE PROVIDED WITH POSITION INDICATORS AND MAXIMUM ADJUSTABLE STOPS (MEMORY STOPS).
5.	ALL VALVES MUST BE INSTALLED SO THAT THE VALVE REMAINS IN SERVICE WHEN THE EQUIPMENT OR PIPING ON THE EQUIPMENT SIDE OF THE VALVE IS REMOVED.
6.	PROVIDE CHAIN WHEEL OPERATORS FOR ALL VALVES IN EQUIPMENT ROOMS MOUNTED GREATER THAN 7'-0" ABOVE FINISHED FLOOR. CHAIN MUST EXTEND TO 7'-0" ABOVE FINISHED FLOOR LEVEL.
7.	INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING.
8.	ALL PIPING WORK MUST BE COORDINATED WITH ALL TRADES AND SITE CONDITIONS. OFFSETS, EXPANSION LOOPS, OR TRANSITIONS IN PIPING AROUND OBSTRUCTIONS MUST BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
9.	ALL PIPING INDICATED MUST BE CONSIDERED DIAGRAMMATIC.
10.	ALL SWIMMING POOL PIPING ROUTED BELOW THE POOL SHELL MUST BE CONCRETE ENCASED SCHEDULE 40 PVC. REFER: 16AQ6.3
11.	ALL UNDERGROUND OR EXPOSED SWIMMING POOL PIPING MUST BE SCHEDULE 80 PVC, UNLESS OTHERWISE NOTED. CONTRACTOR MUST REFER TO PLANS AND SPECIFICATIONS FOR ANY SPECIFIC REQUIREMENTS REGARDING PLACEMENT AND BACKFILLING OF BELOW GRADE POOL PIPE. REFER: 16AQ6.5
12.	ALL DIMENSIONS INDICATED FROM THE FINISH WALL SURFACE AND DO NOT ACCOUNT FOR ANY VARIATIONS IN EITHER GRADE OR SLOPE DISTANCES.
13.	THE CHEMICAL SENSOR LINE MUST BE A 3/4" TO 1" DIAMETER, SCHEDULE 80 PVC PIPE EXTENDED FROM THE WET CELL SENSOR TO ITS RESPECTIVE FILL FUNNEL AND THE BACKWASH CATCH BASIN OR PUMP SUCTION.
14.	ALL FLOOR INLETS MUST BE ADJUSTED TO ACHIEVE AN EVEN FLOW DISTRIBUTION THROUGHOUT SYSTEMS.
15.	ALL PIPE TEES MUST BE SIZED FOR LARGEST PIPE CONNECTION.
16.	SURGE TANK VENT PIPING TO PLUMBING CONNECTION. REFER TO PLUMBING.
17.	HYDROTHERAPY AIR VENT MUST BE LOCATED A MINIMUM OF 4" ABOVE STATIC WATER LEVEL.
18.	ALL GUTTER DROPOUT LINES MUST SLOPE 1/8" PER FOOT MINIMUM.

PUMP SCHEDULE										
ID	DESCRIPTION	MANUFACTURER	MODEL	SIZE	GPM	TDH	HP	NPSH _R	HWR/LNT	NOTES
PP1	LAP POOL RECIRCULATION PUMP REFER: 16AQ6.2	AURORA	3801	4XS11	600	67	15	6.77	MAKE	SIZE 1-8
PP2	WELLNESS POOL RECIRCULATION PUMP REFER: 16AQ6.2	AURORA	3801	4XS11	600	67	15	6.77	MERMADE	8XS 1-8
PP3	WELLNESS POOL FEATURE PUMP REFER: 16AQ6.2	AURORA	3801	2.5X3X7	165	40	3	5.18	MERMADE	6XS 1-4, 8, 7.8
PP4	SPA RECIRCULATION PUMP REFER: 21AQ6.2	PENTAIR	EOK500	6X4	140	57	5	N/A	INTEGRAL	1-3.5, 6, 8.10
PP5	SPA HYDROTHERAPY PUMP REFER: 21AQ6.2	PENTAIR	EOK500	6X4	160	40	5	N/A	INTEGRAL	1-3.6, 7-10

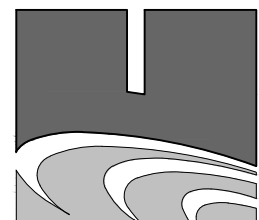
NOTE:

- THE MANUFACTURER INDICATED IS BASIS OF DESIGN. PUMP MANUFACTURERS: GRISWOLD, HERBORNER, PACO OR AURORA MUST BE CONSIDERED EQUAL PROVIDED THEY MEET SPECIFICATIONS AS INDICATED IN BID DOCUMENTS.
- POOL PUMPS AND STRAINERS MUST BE INSTALLED ON HOUSEKEEPING PADS.
- PROVIDE INFLUENT AND EFFLUENT GAUGES FOR EACH PUMP. PRESSURE GAUGES HAVE A RANGE OF 0-60 PSI. COMPOUND GAUGES HAVE A RANGE OF 0-30 HG / 0-60 PSI.
- PROVIDE WITH 480 VOLT, 3 PHASE, 60HZ, 1750 RPM MOTOR.
- PROVIDE WITH CHECK VALVE.
- PROVIDE VARIABLE FREQUENCY DRIVE AND BYPASS.
- PROVIDE REMOTE PUMP START.
- PROVIDE EMERGENCY STOP.
- PROVIDE 15 MINUTE TIMER.
- PROVIDE WITH 480 VOLT, 3 PHASE, 60 HZ, 3450 RPM MOTOR.

PIPING LEGEND				
LEGEND	QTY.	ITEM	MAKE	MODEL
LAP POOL				
▲	1	WALL INLET REFER: 11AQ6.3	HAYWARD	SP-1419-D & SP1022S
●	15	FLOOR INLET REFER: 12AQ6.3	STA-RITE	8417-0200 (BLACK)
⊠	1	SIGHT SUMP REFER: 14AQ6.3	FOURALID,	SQ201 PAL TAN / SP201 PAL FROSTED
▨	2	GUTTER DROPOUT BOX REFER: 15AQ6.3	FIELD FABRICATED	
▩	2	MAIN DRAIN REFER: 13AQ6.3	REFER TO MAIN DRAIN SCHEDULE	
WELLNESS POOL				
▲	1	WALL INLET REFER: 11AQ6.3	HAYWARD	SP-1419-D & SP1022S
●	14	FLOOR INLET REFER: 12AQ6.3	STA-RITE	8417-000 (WHITE)
■	6	HYDROTHERAPY INLET REFER: 16AQ6.4	WATERWAY	#210-5950 & #210-4750
▨	2	GUTTER DROPOUT BOX REFER: 15AQ6.3	FIELD FABRICATED	
▩	2	MAIN DRAIN REFER: 13AQ6.3	REFER TO MAIN DRAIN SCHEDULE	
⊠	1	VALVE BOX REFER: 8AQ6.4	QUAZITE	PC1730BA12 & PC1730CC00
SPA				
▲	7	WALL INLET REFER: 11AQ6.3	HAYWARD	SP-1419-D & SP1022S
■	8	HYDROTHERAPY INLET REFER: 21AQ6.4	WATERWAY	#210-5950 & #210-4750
○	4	SKIMMER REFER: 16AQ6.4	PENTAIR	ADMIRAL SC-20
▨	2	MAIN DRAIN REFER: 13AQ6.3	REFER TO MAIN DRAIN SCHEDULE	
⊠	5	HYDROTHERAPY AIR INTAKE	RECREONICS	#34-150
COMBINED				
-----	N/A	BELOW GRADE PIPING	CHEMTROL	SCH 40 PVC, SCH 80 PVC



LEGEND



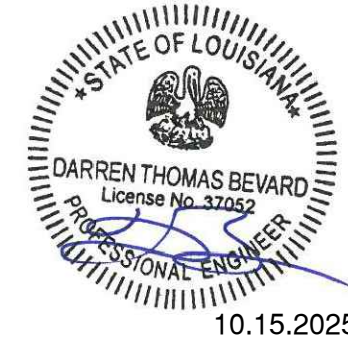
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BY:

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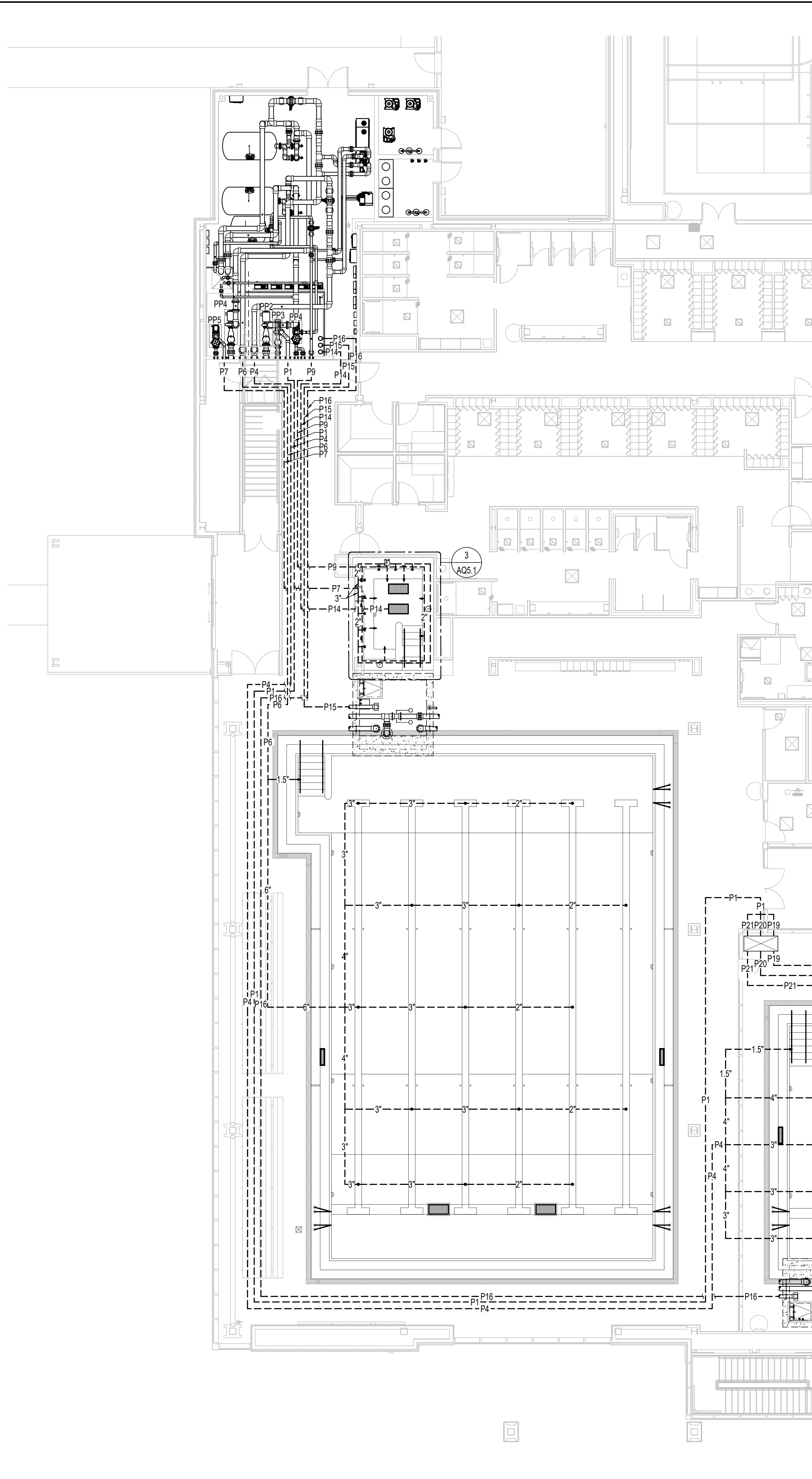
BID SET		10.15.2025
NO	REVISION	DATE
TERREBONNE HEALTH AND WELLNESS CENTER		PROJECT
855 WESTSIDE BLVD EXTENSION HOUMA, LA 70360		
21001	JOB NO	

POOL SUCTION PIPING PLAN	
AS NOTED	SCALE
C/JL / RWG	DRAWN/CHK



AQ5.0

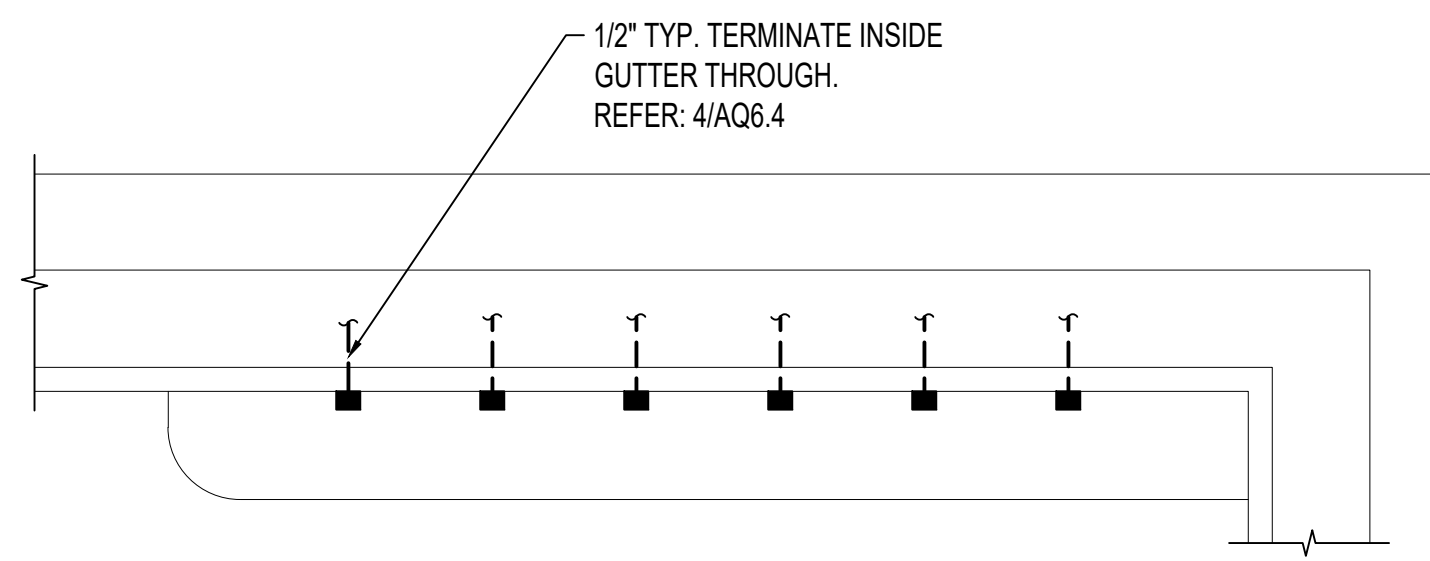




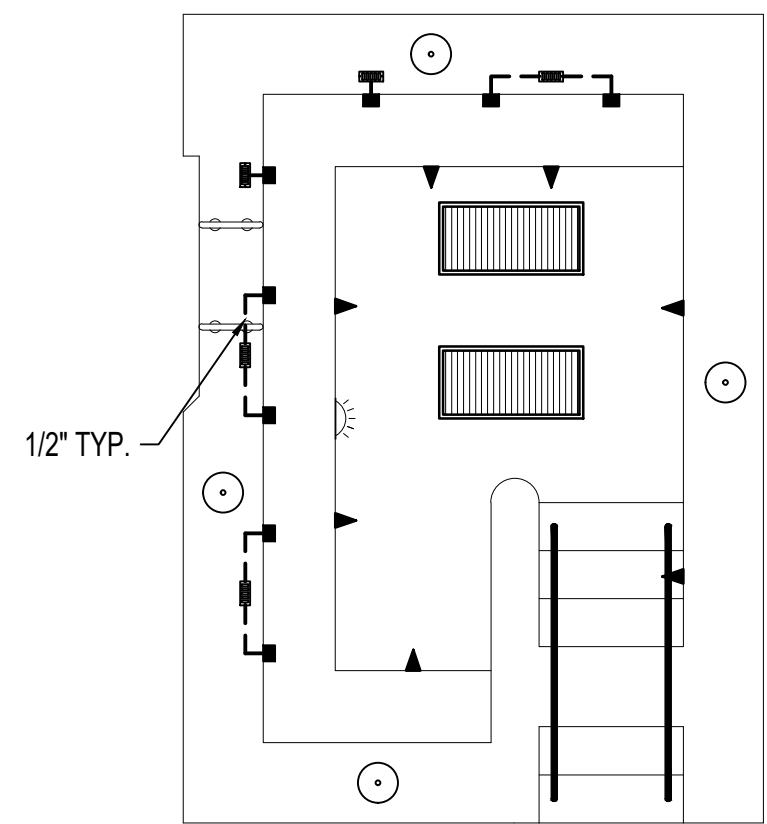
1
AQ5.1
POOL RETURN PIPING PLAN
1/8" = 1'-0"

PUMP SCHEDULE											
ID	DESCRIPTION	MANUFACTURER	MODEL	SIZE	GPM	TDH	HP	NPSHR	HAIR/LINT	MAKE	SIZE
PP1	LAP POOL RECIRCULATION PUMP REFER: 11AQ6.2	AURORA	3801	4X5X11	600	67	15	6.77	MERMADE	8X5	14-8
PP2	WELLNESS POOL RECIRCULATION PUMP REFER: 11AQ6.2	AURORA	3801	4X5X11	600	67	15	6.77	MERMADE	8X5	14-8
PP3	WELLNESS POOL FEATURE PUMP REFER: 11AQ6.2	AURORA	3801	2.5X3X7	165	40	3	5.18	MERMADE	6X3	14-8, 7.8
PP4	SPA RECIRCULATION PUMP REFER: 21AQ6.2	PENTAIR	EQK500	6X4	140	57	5	N/A	INTEGRAL		13.5, 5.8, 8.10
PP5	SPA HYDROTHERAPY PUMP REFER: 21AQ6.2	PENTAIR	EQK500	6X4	160	40	5	N/A	INTEGRAL		13.6, 7-10

NOTE:
1. THE MANUFACTURER INDICATED IS BASIS OF DESIGN. PUMP MANUFACTURERS: GRISWOLD, HERBORNIER, PACO OR AURORA MUST BE CONSIDERED EQUAL PROVIDED THEY MEET SPECIFICATIONS AS INDICATED IN BID DOCUMENTS.
2. POOL PUMPS AND STRAINERS MUST BE INSTALLED ON HOUSEKEEPING PADS.
3. PROVIDE INFLUENT AND EFFLUENT GAUGES FOR EACH PUMP. PRESSURE GAUGES HAVE A RANGE OF 0-60 PSI. COMPOUND GAUGES HAVE A RANGE OF 0-30 HG / 0-40 PSI.
4. PROVIDE WITH 480 VOLT, 3 PHASE, 60-HZ, 1750 RPM MOTOR.
5. PROVIDE WITH CHECK VALVE.
6. PROVIDE VARIABLE FREQUENCY DRIVE AND BYPASS.
7. PROVIDE REMOTE PUMP START.
8. PROVIDE EMERGENCY STOP.
9. PROVIDE 15 MINUTE TIMER.
10. PROVIDE WITH 480 VOLT, 3 PHASE, 60 HZ, 3450 RPM MOTOR.



2
AQ5.1
WELLNESS POOL ENLARGED AIR INTAKE PLAN
3/8\"/>



3
AQ5.1
SPA ENLARGED AIR INTAKE PLAN
1/4\"/>

GENERAL PIPING NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERATIONAL PIPING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2. PIPE SIZES INDICATED ARE NOMINAL I.P.S.
3. UNLESS OTHERWISE NOTED, ALL OVERHEAD PIPING MUST BE TIGHT TO UNDERSIDE OF STRUCTURE OR SLAB.
4. ALL BALANCING VALVES AND BUTTERFLY VALVES MUST BE PROVIDED WITH POSITION INDICATORS AND MAXIMUM ADJUSTABLE STOPS (MEMORY STOPS).
5. ALL VALVES MUST BE INSTALLED SO THAT THE VALVE REMAINS IN SERVICE WHEN THE EQUIPMENT OR PIPING ON THE EQUIPMENT SIDE OF THE VALVE IS REMOVED.
6. PROVIDE CHAIN WHEEL OPERATORS FOR ALL VALVES IN EQUIPMENT ROOMS MOUNTED GREATER THAN 7'-0" ABOVE FINISHED FLOOR. CHAIN MUST EXTEND TO 7'-0" ABOVE FINISHED FLOOR LEVEL.
7. INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING.
8. ALL PIPING WORK MUST BE COORDINATED WITH ALL TRADES AND SITE CONDITIONS. OFFSETS, EXPANSION LOOPS, OR TRANSITIONS IN PIPING AROUND OBSTRUCTIONS MUST BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
9. ALL PIPING INDICATED MUST BE CONSIDERED DIAGRAMMATIC.
10. ALL SWIMMING POOL PIPING ROUTED BELOW THE POOL SHELL MUST BE CONCRETE ENCASED SCHEDULE 40 PVC. REFER: 16AQ6.3
11. ALL UNDERGROUND OR EXPOSED SWIMMING POOL PIPING MUST BE SCHEDULE 80 PVC, UNLESS OTHERWISE NOTED. CONTRACTOR MUST REFER TO PLANS AND SPECIFICATIONS FOR ANY SPECIFIC REQUIREMENTS REGARDING PLACEMENT AND BACKFILLING OF BELOW GRADE POOL PIPE. REFER: 11AQ6.5
12. ALL DIMENSIONS INDICATED FROM THE FINISH WALL SURFACE AND DO NOT ACCOUNT FOR ANY VARIATIONS IN EITHER GRADE OR SLOPE DISTANCES.
13. THE CHEMICAL SENSOR LINE MUST BE A 3/4" TO 1" DIAMETER, SCHEDULE 80 PVC PIPE EXTENDED FROM THE WET CELL SENSOR TO ITS RESPECTIVE FILL FUNNEL AND THE BACKWASH CATCH BASIN OR PUMP SUCTION.
14. ALL FLOOR INLETS MUST BE ADJUSTED TO ACHIEVE AN EVEN FLOW DISTRIBUTION THROUGHOUT SYSTEMS.
15. ALL PIPE TEES MUST BE SIZED FOR LARGEST PIPE CONNECTION.
16. SURGE TANK VENT PIPING TO PLUMBING CONNECTION. REFER TO PLUMBING.
17. HYDROTHERAPY AIR VENT MUST BE LOCATED A MINIMUM OF 4" ABOVE STATIC WATER LEVEL.
18. ALL GUTTER DROPOUT LINES MUST SLOPE 1/8" PER FOOT MINIMUM.

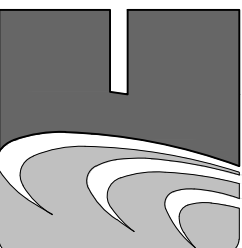
PIPING LEGEND

LEGEND	QTY.	ITEM	MAKE	MODEL
LAP POOL				
▲	1	WALL INLET REFER: 11AQ6.3	HAYWARD	SP-1419-D & SP1022S
●	15	FLOOR INLET REFER: 12AQ6.3	STAR-ITE	8417-0200 (BLACK)
⊗	1	SIGHT SUMP REFER: 14AQ6.3	POURALID,	SQ201 PAL TAN / SP201 PAL FROSTED
▨	2	GUTTER DROPOUT BOX REFER: 15AQ6.3	FIELD FABRICATED	
▨	2	MAIN DRAIN REFER: 13AQ6.3	REFER TO MAIN DRAIN SCHEDULE	
WELLNESS POOL				
▲	1	WALL INLET REFER: 11AQ6.3	HAYWARD	SP-1419-D & SP1022S
●	14	FLOOR INLET REFER: 12AQ6.3	STAR-ITE	8417-0200 (WHITE)
■	6	HYDROTHERAPY INLET REFER: 4AQ6.4	WATERWAY	#210-5950 & #210-4750
▨	2	GUTTER DROPOUT BOX REFER: 15AQ6.3	FIELD FABRICATED	
▨	2	MAIN DRAIN REFER: 13AQ6.3	REFER TO MAIN DRAIN SCHEDULE	
⊗	1	VALVE BOX REFER: 8AQ6.4	QUAZITE	PC1730BA12 & PC1730C000
SPA				
▲	7	WALL INLET REFER: 11AQ6.3	HAYWARD	SP-1419-D & SP1022S
■	8	HYDROTHERAPY INLET REFER: 2AQ6.4	WATERWAY	#210-5950 & #210-4750
○	4	SKIMMER REFER: 1AQ6.4	PENTAIR	ADMIRAL SC-20
▨	2	MAIN DRAIN REFER: 13AQ6.3	REFER TO MAIN DRAIN SCHEDULE	
⊗	5	HYDROTHERAPY AIR INTAKE	RECREONICS	#34-150
COMBINED				
---	N/A	BELOW GRADE PIPING	CHEMTROL	SCH 40 PVC, SCH 80 PVC

PIPE SCHEDULE

ID	DESCRIPTION
P1	8" FROM PP3 TO WELLNESS FEATURE VALVE BOX
P2	8" FROM M2 TO PP3
P3	8" FROM M2 TO PP2
P4	8" FROM F3 TO WELLNESS POOL INLETS
P5	8" FROM M1 TO PP1
P6	8" FROM F2 TO LAP POOL INLETS
P7	4" FROM PP5 TO SPA HYDROTHERAPY FITTINGS
P8	4" FROM M5 TO PP5
P9	4" FROM F3 TO SPA INLETS
P10	4" FROM SPA SKIMMERS TO PP4
P11	4" FROM M5 TO PP4
P12	3" FROM LAP POOL SURGE TANK VENT TO PLUMBING
P13	3" FROM WELLNESS POOL SURGE TANK VENT TO PLUMBING
P14	3" FROM L3 TO M3
P15	3" FROM L1 TO LAP POOL SURGE TANK
P16	3" FROM L2 TO WELLNESS POOL SURGE TANK
P17	8" FROM LAP POOL DROPOUT BOX TO SURGE TANK
P18	8" FROM WELLNESS POOL DROPOUT BOX TO SURGE TANK
P19	2" FROM WELLNESS FEATURE VALVE BOX TO RESTORATIVE SPRAY 1
P20	4" FROM WELLNESS FEATURE VALVE BOX TO HYDROTHERAPY INLETS
P21	2" FROM WELLNESS FEATURE VALVE BOX TO GS SPRAY TUNNEL 4
P22	8" FROM PP1 TO F1
P23	8" FROM PP2 TO F2
P24	4" FROM PP4 TO F3
P25	8" FROM F1 TO BACKWASH CATCH BASIN
P26	8" FROM F2 TO BACKWASH CATCH BASIN
P27	4" FROM F3 TO BACKWASH CATCH BASIN
P28	3" FROM P9 TO BACKWASH CATCH BASIN
P29	3" FROM P23 TO BACKWASH CATCH BASIN
P30	8" FROM P4 TO H2
P31	8" FROM H2 TO P4
P32	3" FROM P22 TO BACKWASH CATCH BASIN
P33	3" FROM P9 TO H3
P34	3" FROM H3 TO P9
P35	8" FROM P6 TO H1
P36	8" FROM H1 TO P6
P37	8" FROM LAP POOL DROPOUT BOX TO SURGE TANK
P38	8" FROM WELLNESS POOL DROPOUT BOX TO SURGE TANK

LEGEND



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TERREBONNE HEALTH AND WELLNESS CENTER PROJECT

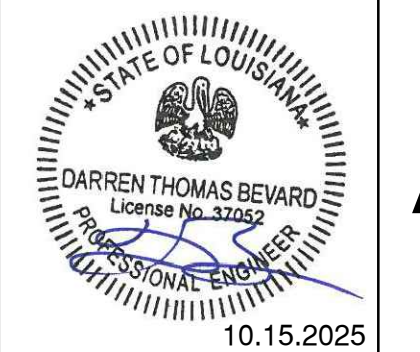
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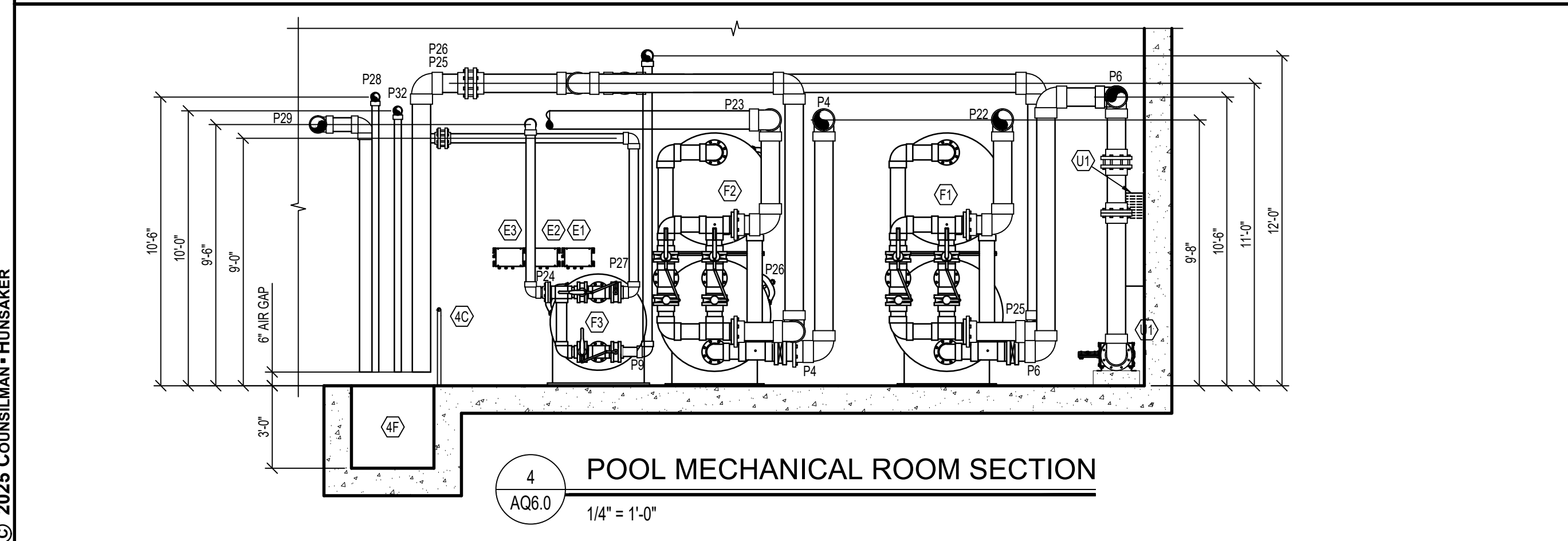
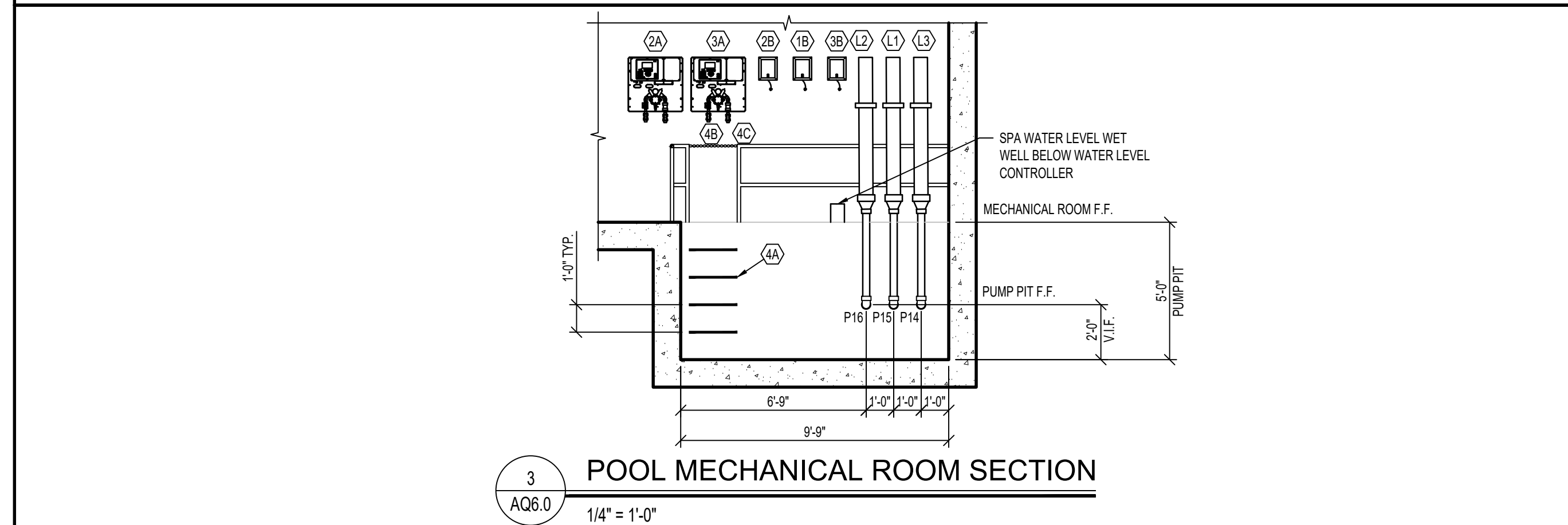
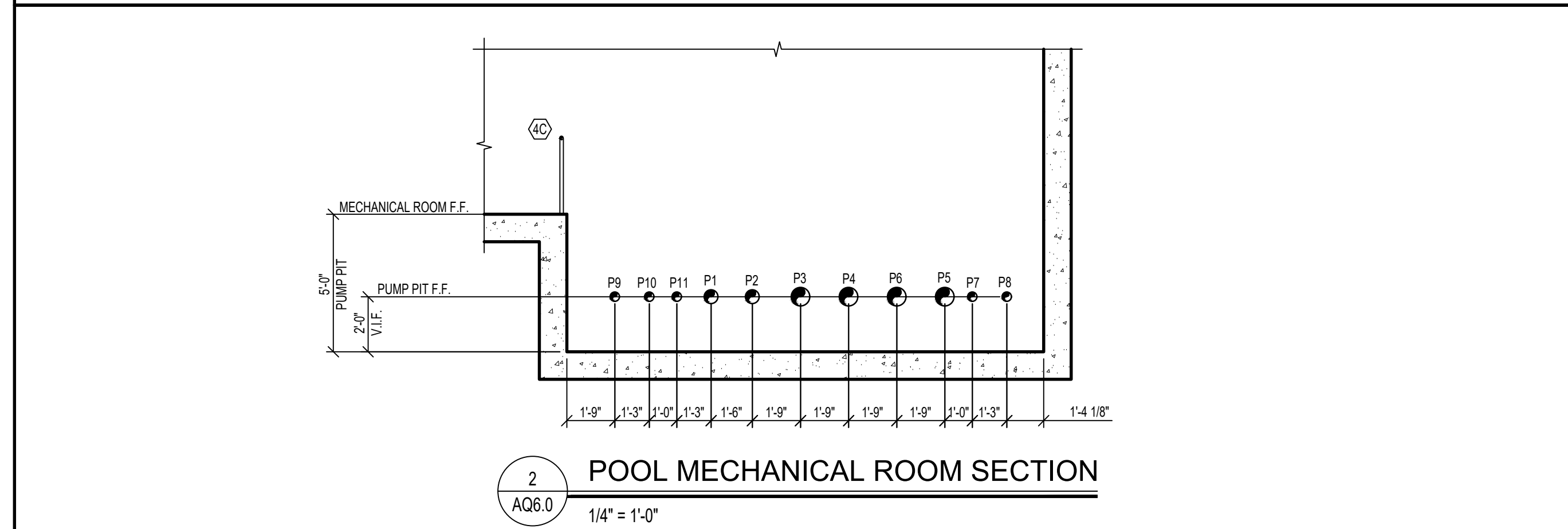
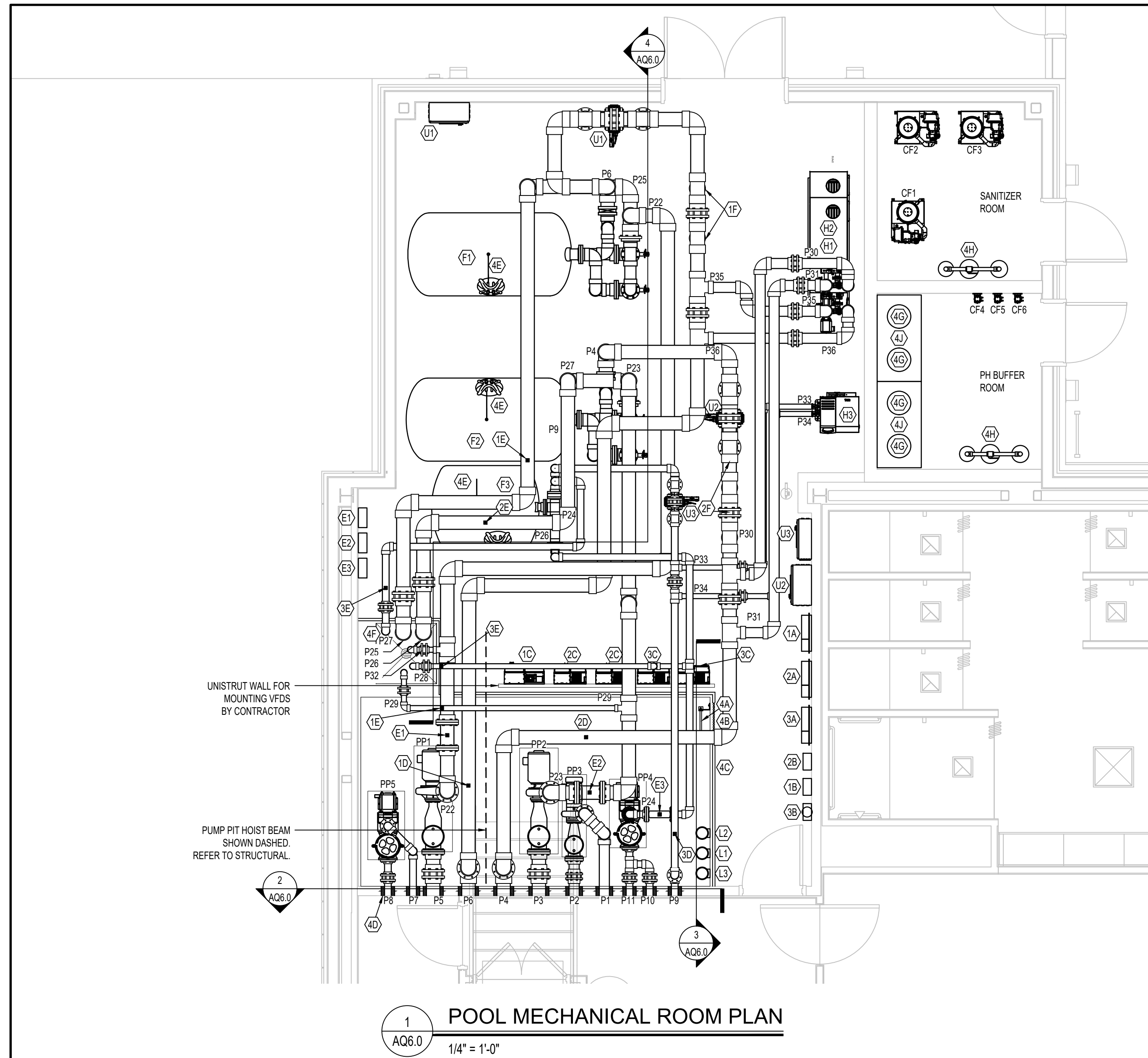
POOL RETURN PIPING PLAN

AS NOTED SCALE

C.J.L. / RWG DRAWN/CHK



AQ5.1



CHEMICAL FEED SCHEDULE							
ID	DESCRIPTION	MANUFACTURER	MODEL	TUBE #	HP	FLOW	NOTES
CF1	LAP POOL CHLORINATION BOOSTER PUMP REFER: 8/AQ6.2	ACCUTAB	1030	N/A	1	67 LBS/DAY	1-3
CF2	WELLNESS POOL CHLORINATION BOOSTER PUMP REFER: 8/AQ6.2	ACCUTAB	1030	N/A	1	67 LBS/DAY	1-3
CF3	SPA CHLORINATION BOOSTER PUMP REFER: 8/AQ6.2	ACCUTAB	1030	N/A	1	67 LBS/DAY	1-3
CF4	LAP POOL ACID FEED PUMP REFER: 4/AQ6.2	STENNER	45M3	3	FRAC	22 GAL/DAY	1-3
CF5	WELLNESS POOL ACID FEED PUMP REFER: 4/AQ6.2	STENNER	45M3	3	FRAC	22 GAL/DAY	1-3
CF6	SPA ACID FEED PUMP REFER: 4/AQ6.2	STENNER	45M3	3	FRAC	22 GAL/DAY	1-3

NOTE:
1. THE MANUFACTURER INDICATED IS BASIS OF DESIGN. ALTERNATE MANUFACTURER: LMI OR APPROVED EQUAL.
2. PROVIDE WITH 120 VOLT, SINGLE PHASE, ADJUSTABLE FEED.
3. INTERLOCK WITH POOL RECIRCULATION PUMP.

UV TREATMENT SYSTEMS SCHEDULE						
ID	POOL	MODEL NUMBER	CALCULATED 60 M3CM2 (GPM)	LAMPS	POWER (KW)	VOLTAGE (V) WITH BREAKER SIZE (50 OR 60 HZ)
U1	LAP	WF-125-6-N	616	1 @ 2.5KW	2.5	208 V (1Ø)-30A
U2	WELLNESS	WF-125-6-N	616	1 @ 2.5KW	2.5	208 V (1Ø)-30A
U3	SPA	WF-115-3-N	211	1 @ 1.5KW	1.5	208 V (1Ø)-20A

NOTE:
1. THE BASIS OF DESIGN MANUFACTURER IS EVOQUA TECHNOLOGIES LTD. ALTERNATE MANUFACTURER: PROMINENT, AQUIONICS OR APPROVED EQUAL.
2. INTERLOCK UV SYSTEM WITH CHEMICAL CONTROLLER OR RECIRCULATION PUMP.
3. REFER: 8/AQ6.2

FILL SCHEDULE						
ID	POOL	FRESH WATER SUPPLY GPM (MIN.)	FILL FUNNEL SIZE	REDUCER SIZE	SPLASH COLLAR SIZE	DESIGN FILL TIME (HOURS)
L1	LAP	53	6"	6"x4"	4"	48
L2	WELLNESS	45	6"	6"x4"	4"	12
L3	SPA	16	6"	6"x4"	4"	2

NOTES:
REFER: 10/AQ6.2

PIPE SCHEDULE	
ID	DESCRIPTION
P1	6" FROM P93 TO WELLNESS FEATURE VALVE BOX
P2	6" FROM M2 TO P93
P3	6" FROM M2 TO PP2
P4	6" FROM F2 TO WELLNESS POOL INLETS
P5	6" FROM M1 TO PP1
P6	6" FROM F2 TO LAP POOL INLETS
P7	4" FROM PP5 TO SPA HYDROTHERAPY FITTINGS
P8	4" FROM M3 TO PP5
P9	4" FROM F3 TO SPA INLETS
P10	4" FROM SPA SKIMMERS TO PP4
P11	4" FROM M3 TO PP4
P12	3" FROM LAP POOL SURGE TANK VENT TO PLUMBING
P13	3" FROM WELLNESS POOL SURGE TANK VENT TO PLUMBING
P14	3" FROM L3 TO M3
P15	3" FROM L1 TO LAP POOL SURGE TANK
P16	3" FROM L2 TO WELLNESS POOL SURGE TANK
P17	6" FROM LAP POOL DROPOUT BOX TO SURGE TANK
P18	6" FROM WELLNESS POOL DROPOUT BOX TO SURGE TANK
P19	2" FROM WELLNESS FEATURE VALVE BOX TO RESTORATIVE SPRAY 1
P20	4" FROM WELLNESS FEATURE VALVE BOX TO HYDROTHERAPY INLETS
P21	2" FROM WELLNESS FEATURE VALVE BOX TO GS SPRAY TUNNEL 4
P22	3" FROM PP1 TO F1
P23	3" FROM PP2 TO F2
P24	4" FROM PP4 TO F3
P25	6" FROM F1 TO BACKWASH CATCH BASIN
P26	6" FROM F2 TO BACKWASH CATCH BASIN
P27	4" FROM F3 TO BACKWASH CATCH BASIN
P28	3" FROM P6 TO BACKWASH CATCH BASIN
P29	3" FROM P23 TO BACKWASH CATCH BASIN
P30	6" FROM P4 TO H2
P31	6" FROM H2 TO P4
P32	3" FROM P22 TO BACKWASH CATCH BASIN
P33	3" FROM P8 TO H3
P34	3" FROM H3 TO P8
P35	6" FROM P6 TO H1
P36	6" FROM H1 TO P6
P37	6" FROM LAP POOL DROPOUT BOX TO SURGE TANK
P38	6" FROM WELLNESS POOL DROPOUT BOX TO SURGE TANK

EQUIPMENT SCHEDULE	
ID	ITEM
LAP POOL	
1A	CHEMICAL CONTROLLER REFER: 3/AQ6.2
1B	WATER LEVEL CONTROLLER REFER: 3/AQ6.4
1C	VARIABLE FREQUENCY DRIVE AND BYPASS PANEL ON UNISTRUT FRAME
1D	FLOW METER SENSOR REFER: 11/AQ6.2
1E	IMPACT FLOW METER REFER: 12/AQ6.2
1F	DEHUMIDIFICATION TEES REFER: 7/AQ6.3
WELLNESS POOL	
2A	CHEMICAL CONTROLLER REFER: 3/AQ6.2
2B	WATER LEVEL CONTROLLER REFER: 3/AQ6.4
2C	VARIABLE FREQUENCY DRIVE AND BYPASS PANEL ON UNISTRUT FRAME
2D	FLOW METER SENSOR REFER: 11/AQ6.2
2E	IMPACT FLOW METER REFER: 12/AQ6.2
2F	DEHUMIDIFICATION TEES REFER: 7/AQ6.3
SPA	
3A	CHEMICAL CONTROLLER REFER: 3/AQ6.2
3B	WATER LEVEL CONTROLLER REFER: 3/AQ6.4
3C	VARIABLE FREQUENCY DRIVE AND BYPASS PANEL ON UNISTRUT FRAME
3D	FLOW METER SENSOR REFER: 11/AQ6.2
3E	IMPACT FLOW METER REFER: 12/AQ6.2
COMBINED	
4A	LADDER RUNGS REFER: ARCHITECT
4B	SAFETY CHAIN REFER: ARCHITECT
4C	REMOVABLE RAILING REFER: ARCHITECT
4D	LINK SEAL REFER: 14/AQ6.2
4E	HARD PIPE TO DRAIN
4F	3'-0"x3'-0"x3'-0" DEEP BACKWASH CATCH BASIN
4G	ACID CARBOYS REFER: 4/AQ6.2
4H	COMBINATION EMERGENCY EYEWASH/SHOWER REFER TO PLUMBING
4I	ACID PLATFORM REFER: 4/AQ6.2

GENERAL POOL MECHANICAL ROOM NOTES

- EQUIPMENT ROOM FLOOR AND PUMP PIT FLOOR MUST SLOPE 1/4" TO 1/2" PER FOOT TO FLOOR DRAINS OR SUMP PIT. REFER TO PLUMBING.
- PROVIDE HOSE BIBBS FOR HOUSE CLEANING PURPOSES. REFER BUILDING MECHANICAL DRAWINGS.
- THE INSIDE SURFACES OF THE BACKWASH CATCH BASIN MUST BE WATERPROOFED. REFER TO SPECIFICATION.
- VENTILATION OF POOL MECHANICAL ROOM AND CHEMICAL STORAGE AREAS PER LOCAL, STATE AND INTERNATIONAL MECHANICAL CODE MINIMUM. REFER TO MECHANICAL.
- THE FOLLOWING INFORMATION MUST BE LAMINATED AND POSTED IN THE POOL MECHANICAL ROOM: BACKWASH PROCEDURE, POOL FILLING AND DRAINING, VALVE REFERENCE CHART, POOL MECHANICAL ROOM PLAN, POOL PIPING SCHEMATICS, AND POOL SYSTEMS SCHEMATICS.
- REFER TO MECHANICAL FOR HVAC SYSTEMS DESIGN.
- REFER TO ARCHITECTURAL DRAWINGS FOR LADDER RUNGS, SAFETY CHAIN, AND REMOVABLE RAILING AT PUMP PIT.

PIPING

- MINIMUM 7'-0" CLEARANCE BENEATH ALL OVERHEAD PIPING.
- PROVIDE AND SUPPORT OVERHEAD AND VERTICAL PIPING PER SPECIFICATION REQUIREMENTS.
- LABEL AND IDENTIFY ALL PIPING IN COMPLIANCE WITH THE SPECIFICATIONS.
- ALL FLOW METERS MUST BE SIZED TO MATCH THE PIPE ON WHICH IT IS INSTALLED. PROVIDE PRESSURE GAUGES ON INFLUENT AND EFFLUENT SIDE OF EACH FILTRATION SYSTEM AND A FULL LINE SIZE FLOW METER ON FILTER RETURN.
- HYDROSTATICALLY TEST ALL PIPING AT 50 PSI FOR TWO HOURS AND MAINTAIN A PRESSURE OF 20 PSI IN ALL PIPING THROUGHOUT CONSTRUCTION. SECURE ALL FIXTURES PER SPECIFICATION REQUIREMENTS BEFORE HYDROSTATIC TEST.
- REFER TO DETAILS 1-4 ON DRAWING AQ6.3 FOR INSTALLATION OF PIPE SUPPORTS.
- ALL PIPING ROUTED THROUGH THE CHEMICAL ROOM WALLS INTO THE MAIN MECHANICAL ROOM MUST BE PROPERLY SEALED AND FIREPROOFED PER THE FIRE RATING OF THE ROOM. REFER TO ARCHITECT.
- ALL VALVE HARDWARE MUST BE 316L STAINLESS STEEL AND MEET ANSI HARDWARE INSTALLATION GUIDELINES. REFER: 10/AQ6.3

CHEMICAL TREATMENT

- CHEMICAL FEED REQUIREMENTS - REFER TO THE POOL SYSTEMS SCHEMATIC(S) ON AQ7.0 & AQ7.1.
- INTERLOCK POOL RECIRCULATION PUMP(S) WITH ITS CORRESPONDING WATER CHEMISTRY CONTROLLER, CHEMICAL FEED PUMP(S).
- PROVIDE SIGNAGE ON CHEMICAL ROOM DOORS IN COMPLIANCE WITH THE STATE FIRE CODE. REFER: 8/AQ6.2
- SECURE CHEMICAL METERING PUMP FEED LINES TO WALL AND/OR OVERHEAD WITH CLIPS OR DEVICES THAT DO NOT CRIMP, DISTORT OR ALLOW HIGH AND LOW AREAS IN TUBING RUNS. PROVIDE CHECK VALVE AND SHUT-OFF VALVE BEFORE LINES ENTER POOL RETURN PIPING.
- WATER CHEMISTRY CONTROLLERS MUST CONTROL THE SANITIZING SYSTEM AND PH CONTROL SYSTEM AND SHUT THEM DOWN UPON LOSS OF SAMPLE STREAM FLOW.
- SAMPLE FEED PIPING TO/FROM THE RECIRCULATION SYSTEM TO THE WATER CHEMISTRY CONTROLLER MUST BE PIPED PER THE SYSTEMS SCHEMATIC. BYPASS PIPING MUST BE SADDLED OR TEED. NO TAPPING OR DRILLING INTO THE PIPING WILL BE ALLOWED.
- VERIFY REMOTE ACCESS CAPABILITY TO ALL CHEMICAL CONTROLLERS. REFER TO ELECTRICAL.
- INSTALL SANITIZER INJECTION POINT DOWNSTREAM OF PH BUFFER INJECTION POINT ON FILTERED WATER RETURN PIPE. CHEMICAL INJECTION POINTS MUST BE LOCATED DOWNSTREAM OF ALL OTHER EQUIPMENT SYSTEMS IN THE POOL MECHANICAL ROOM AT A MAXIMUM HEIGHT OF 7'-0" ABOVE FINISHED FLOOR. REFER: 7/AQ6.2

ELECTRICAL

- GFC'S PROVIDED AT OUTLETS. REFER TO ELECTRICAL.
- POOL EQUIPMENT ROOM AND CHEMICAL STORAGE AREAS MUST BE PROVIDED WITH ARTIFICIAL LIGHTING SUFFICIENT TO ILLUMINATE ALL EQUIPMENT AND SUPPLIES. REFER TO ELECTRICAL.
- CONDUIT MUST BE ROUTED OVERHEAD OR BELOW GRADE.

FILTER SCHEDULE

ID	POOL	MANUFACTURER	FILTER MODEL	QTY.	FILTRATION TYPE	MAXIMUM FILTRATION RATE (GPM/SQ. FT.)	REQUIRED FILTRATION AREA (SQ. FT.)	DESIGN FILTRATION RATE (GPM/SQ. FT.)	DESIGN FILTRATION AREA (SQ. FT.)	FILTER BACKWASH RATE (GPM/SQ. FT.)	BACKWASH FLOW RATE PER FILTER (GPM)
F1	LAP	NEPTUNE BENSON	SHFFG 48-72	2	HRS	12.5	48.0	10.83	55.4	15.0	416
F2	WELLNESS	NEPTUNE BENSON	SHFFG 48-72	2	HRS	12.5	48.0	10.83	55.4	15.0	416
F3	SPA	NEPTUNE BENSON	SHFFG 48-48	1	HRS	12.5	11.2	7.11	19.7	15.0	296

- NOTE:
1. BACKWASH METHOD MUST BE MANUAL.
2. ALL FILTER SUPPORTS MUST BE SEISMICALLY RATED FOR THE SEISMIC ZONE IN WHICH IT IS INSTALLED IN ACCORDANCE WITH LOCAL AND/OR STATE REQUIREMENTS.
3. FILTER MANUFACTURER MUST CERTIFY FILTER MEDIA.
4. VALVES MUST BE PROVIDED TO BACKWASH EACH FILTER VESSEL INDEPENDENTLY.
5. THE BACKWASH PIPING MUST TERMINATE NO CLOSER THAN 6" ABOVE THE FLOOD RIM OF THE BACKWASH CATCH BASIN OR TWICE THE PIPE DIAMETER, WHICHEVER IS GREATER.
6. FILTER TANK ASSEMBLIES MUST BEAR THE NATIONAL SANITATION FOUNDATION SEAL OF APPROVAL FOR A MAXIMUM FLOW RATE 20 GPM PER SQUARE FOOT OF FILTER MEDIA.
7. THE BACKWASH THROTTLING VALVE(S) HANDLE MUST BE REMOVED AND TURNED OVER TO THE OWNER ONCE THE BACKWASH FLOW RATE(S) HAVE BEEN TESTED, ADJUSTED AND BALANCED.
8. PROVIDE 1" DIAMETER SCHEDULE 80 PIPE FROM THE AUTOMATIC AIR VENT ON EACH OF THE FILTER VESSEL TO THE NEAREST FLOOR DRAIN OR BACKWASH CATCH BASIN. THE VENT PIPE MUST BE SLOPED TO THE DRAIN.
9. VESSEL MUST BE BACKWASHED AT NO LESS THAN 15.0 GPM/SF.

PUMP SCHEDULE

ID	DESCRIPTION	MANUFACTURER	MODEL	SIZE	GPM	TDH	HP	NPSHR	HARLINT		NOTES
									MAKE	SIZE	
PP1	LAP POOL RECIRCULATION PUMP REFER: 1/AQ6.2	AURORA	3801	4X5X11	600	87	15	6.77	MERMADE	8X5	1-6.8
PP2	WELLNESS POOL RECIRCULATION PUMP REFER: 1/AQ6.2	AURORA	3801	4X5X11	600	87	15	6.77	MERMADE	8X5	1-6.8
PP3	WELLNESS POOL FEATURE PUMP REFER: 1/AQ6.2	AURORA	3801	2.5X3X7	165	40	3	5.18	MERMADE	6X3	1-4.6.7.8
PP4	SPA RECIRCULATION PUMP REFER: 2/AQ6.2	PENTAIR	EKQ500	6X4	140	57	5	N/A	INTEGRAL		1-3.5.6.8.10
PP5	SPA HYDROTHERAPY PUMP REFER: 2/AQ6.2	PENTAIR	EKQ500	6X4	160	40	5	N/A	INTEGRAL		1-3.6.7-10

NOTE:
1. THE MANUFACTURER INDICATED IS BASIS OF DESIGN. PUMP MANUFACTURERS: GRISWOLD, HERBORNER, PACO OR AURORA MUST BE CONSIDERED EQUAL PROVIDED THEY MEET SPECIFICATIONS AS INDICATED IN BID DOCUMENTS.
2. POOL PUMPS AND STRAINERS MUST BE INSTALLED ON HOUSEKEEPING PADS.
3. PROVIDE INFLUENT AND EFFLUENT GAUGES FOR EACH PUMP. PRESSURE GAUGES HAVE A RANGE OF 0-60 PSI. COMPOUND GAUGES HAVE A RANGE OF 0-30 HG / 0-60 PSI.
4. PROVIDE WITH 460 VOLT, 3 PHASE, 60HZ, 1750 RPM MOTOR.
5. PROVIDE WITH CHECK VALVE.
6. PROVIDE VARIABLE FREQUENCY DRIVE AND BYPASS.
7. PROVIDE REMOTE PUMP START.
8. PROVIDE EMERGENCY STOP.
9. PROVIDE 15 MINUTE TIMER.
10. PROVIDE WITH 460 VOLT, 3 PHASE, 60 HZ, 3450 RPM MOTOR.

HEATER SCHEDULE

ID	POOL	MAKE	MODEL	BOILER EFF (%)	INPUT (MBH)	AIR INLET SIZE (INCHES)	VENT SIZE (INCH)	ELECTRICAL DATA (2 REQUIRED CONNECTIONS PER HEATER)		
H1	LAP	LOCHINVAR	CPN652	85	650,000	8	8	V	PH	AMP
								120	1	15
								120	1	5
H2	WELLNESS	LOCHINVAR	CPN652	85	650,000	8	8	V	PH	AMP
								120	1	15
								120	1	5
H3	SPA	LOCHINVAR	ERN152A	88	35,745	4	5	V	PH	AMP
								120	1	1.4
								120	1	1.4

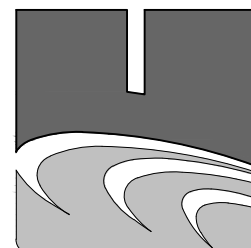
- NOTE:
1. THE BASIS OF DESIGN MANUFACTURER IS LOCHINVAR. ALTERNATE MANUFACTURER: RAYPAK OR APPROVED EQUAL.
2. HEATERS MUST BE INSTALLED ON HOUSEKEEPING PADS.
3. REFER: 8/AQ6.3, 8/AQ6.5, & 10-13/AQ6.4

ELECTRONIC FLOCCULATION SYSTEM SCHEDULE

ID	POOL	MANUFACTURER	MODEL	PIPE SIZE (NOMINAL)	INPUT VOLTAGE	POWER RATING (W)	POWER CABLE LENGTH (FT)	SIGNAL CABLE LENGTH (FT)
E1	LAP	CLEAR-FLOW	CF-800C	8"	100-240 VAC	5.4	15	33
E2	WELLNESS	CLEAR-FLOW	CF-800C	8"	100-240 VAC	5.4	15	33
E3	SPA	CLEAR-FLOW	CF-400C	4"	100-240 VAC	5.4	15	33

- NOTE:
REFER: 8/AQ6.5

LEGEND



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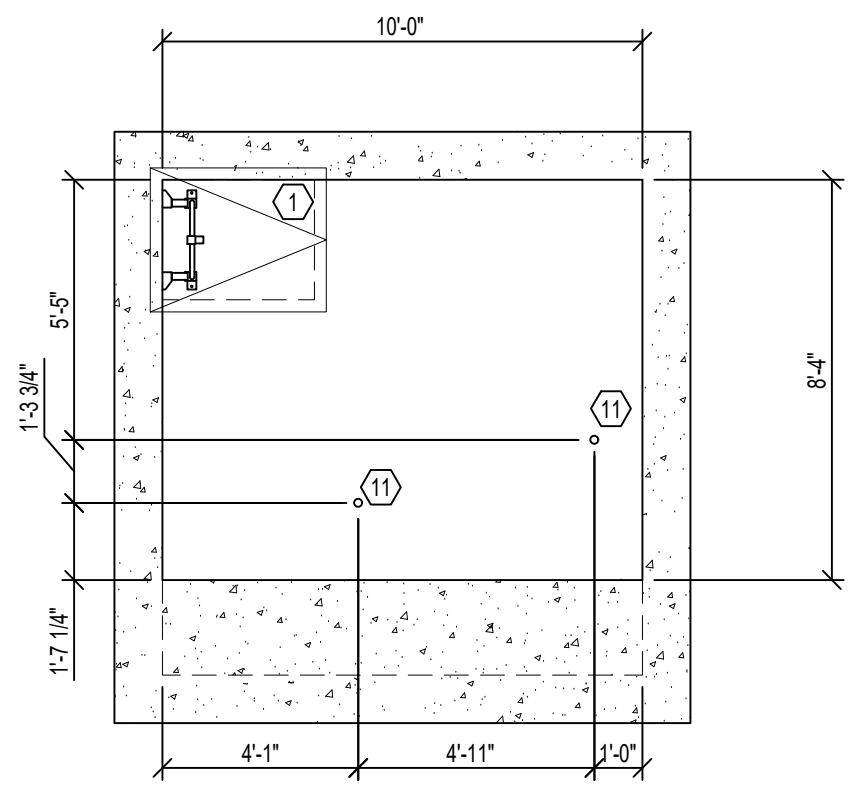
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POOL MECHANICAL ROOM PLAN & SECTIONS

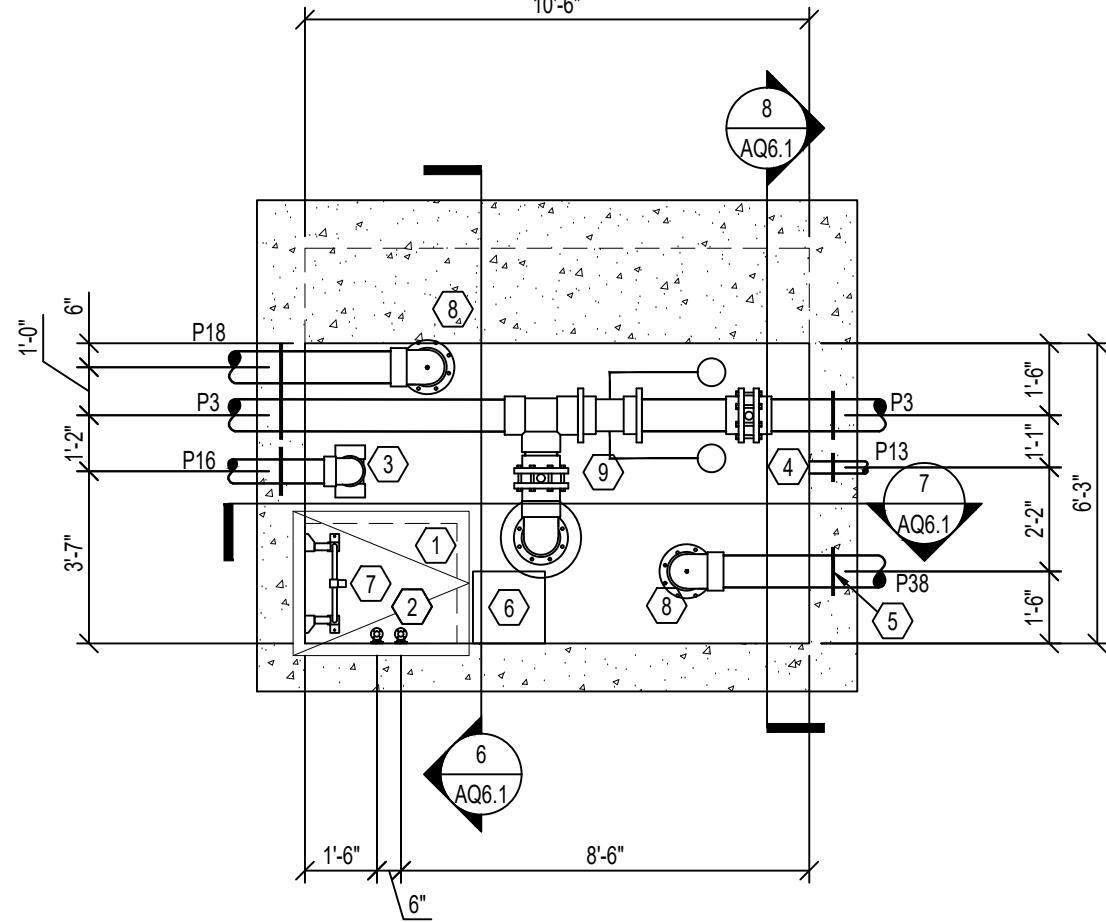
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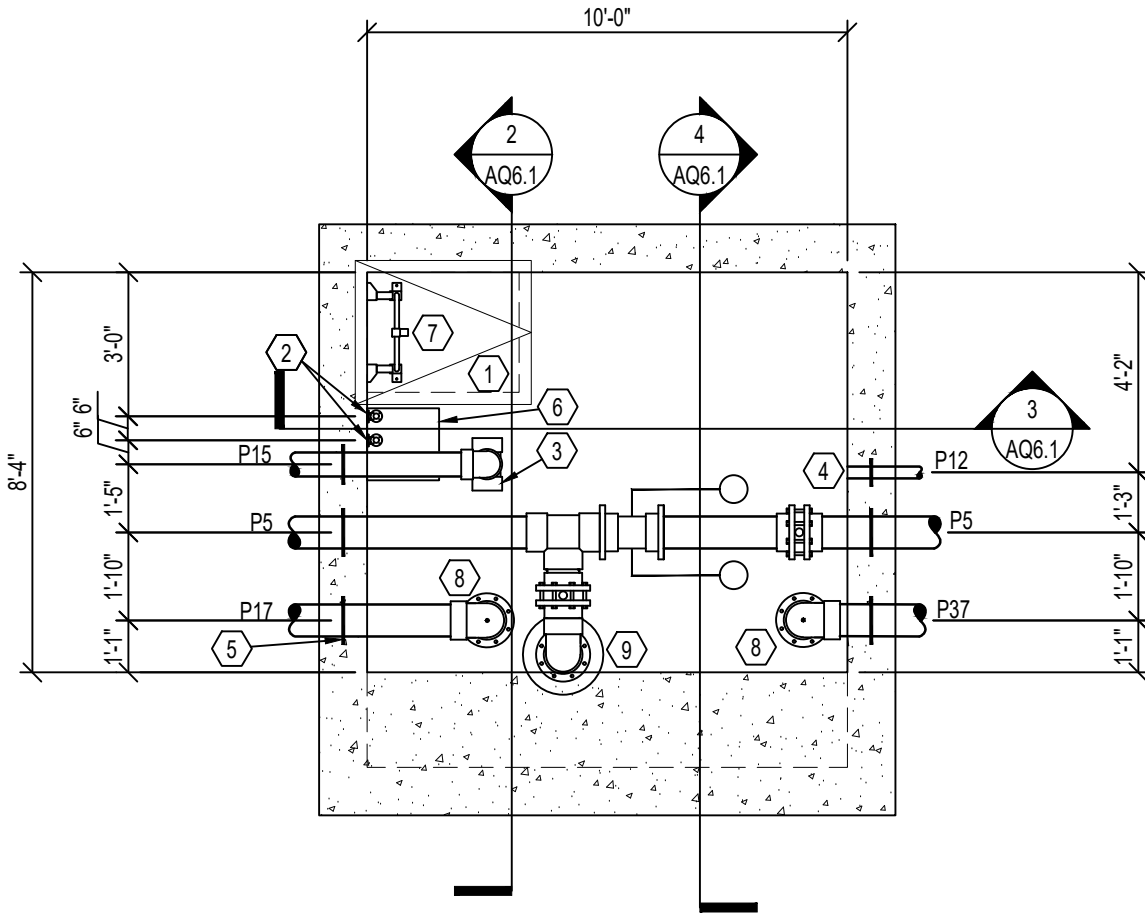
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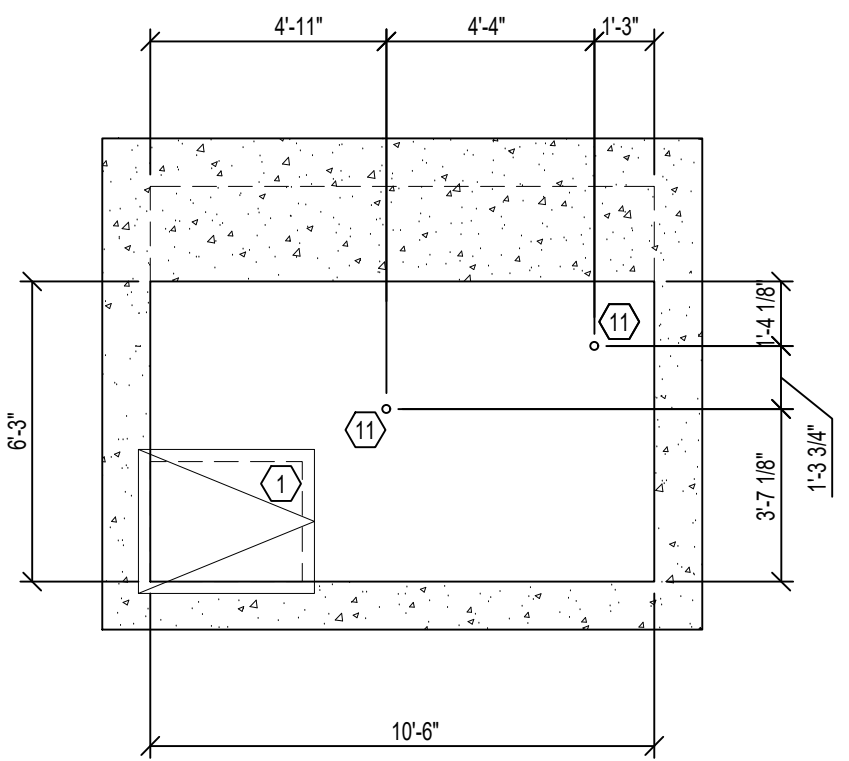
9 LAP POOL SURGE TANK VALVE EXTENSION PLAN
AQ6.1 1/4" = 1'-0"



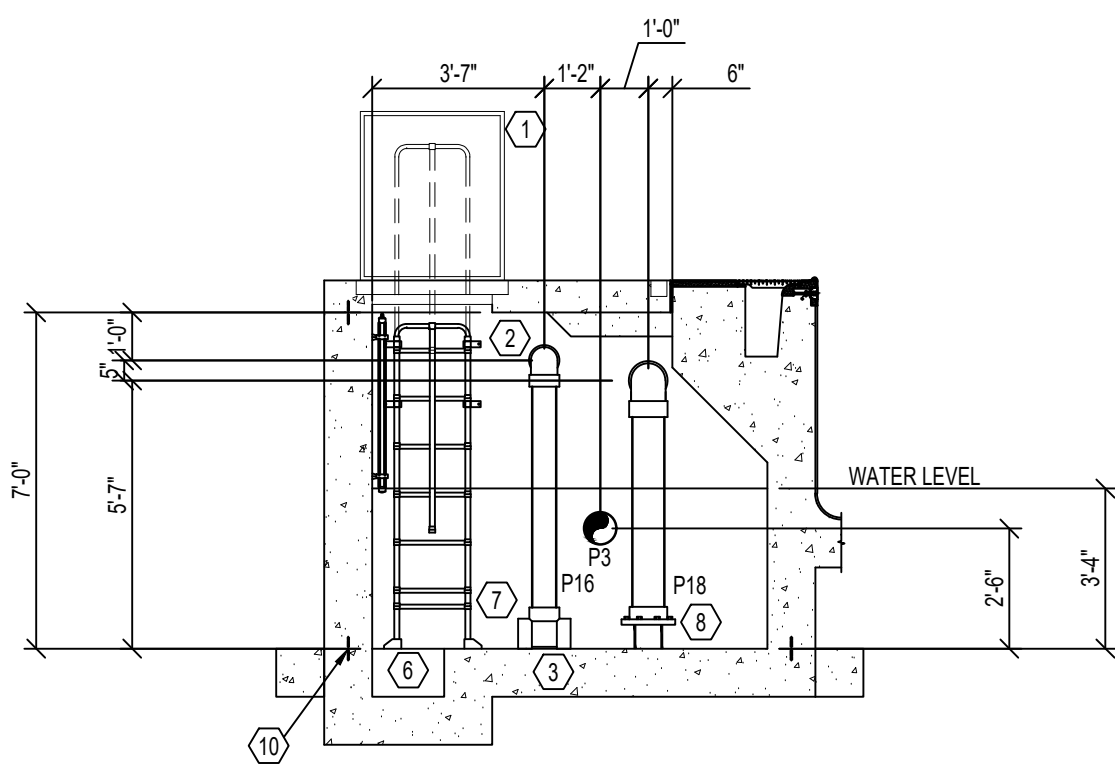
5 WELLNESS POOL SURGE TANK PLAN
AQ6.1 1/4" = 1'-0"



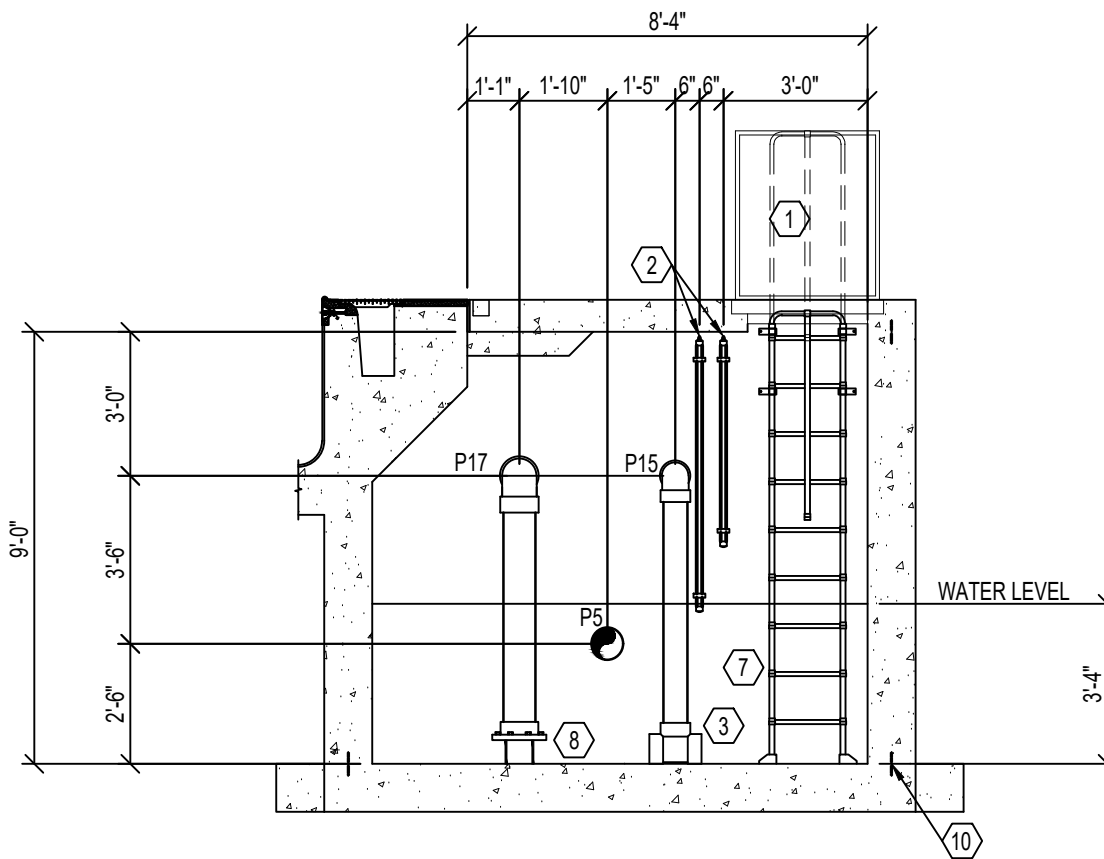
1 LAP POOL SURGE TANK PLAN
AQ6.1 1/4" = 1'-0"



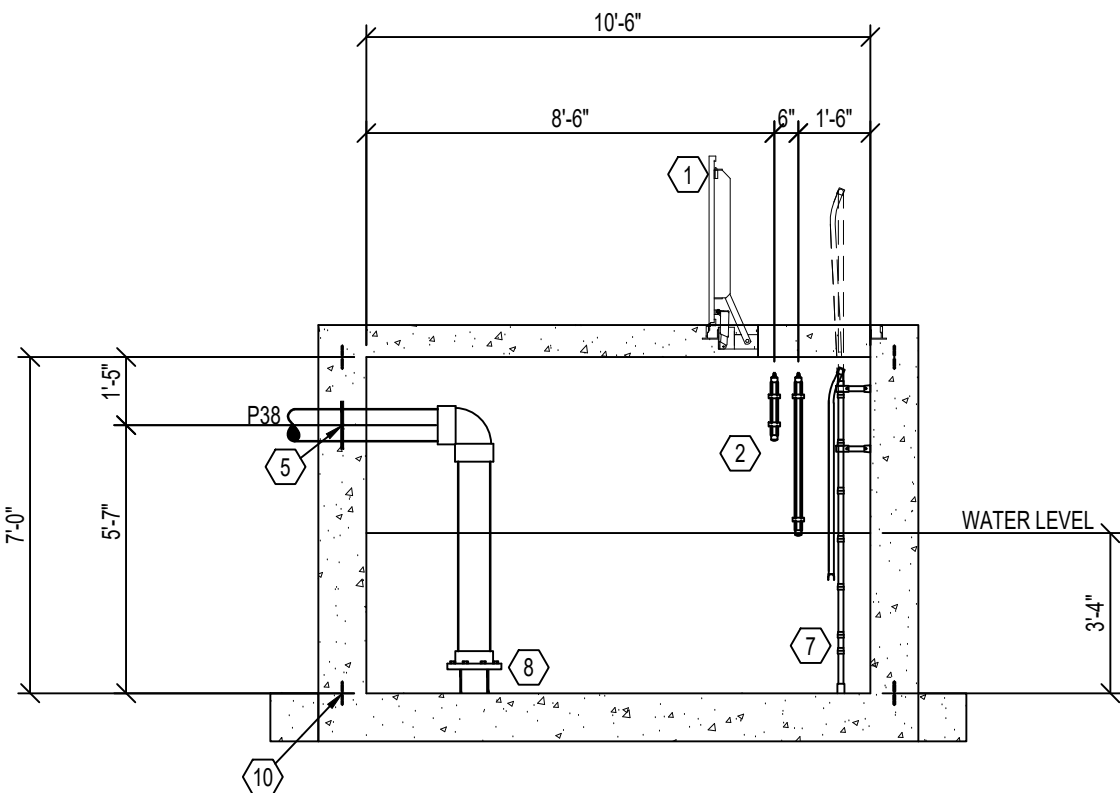
10 WELLNESS POOL SURGE TANK VALVE EXTENSION PLAN
AQ6.1 1/4" = 1'-0"



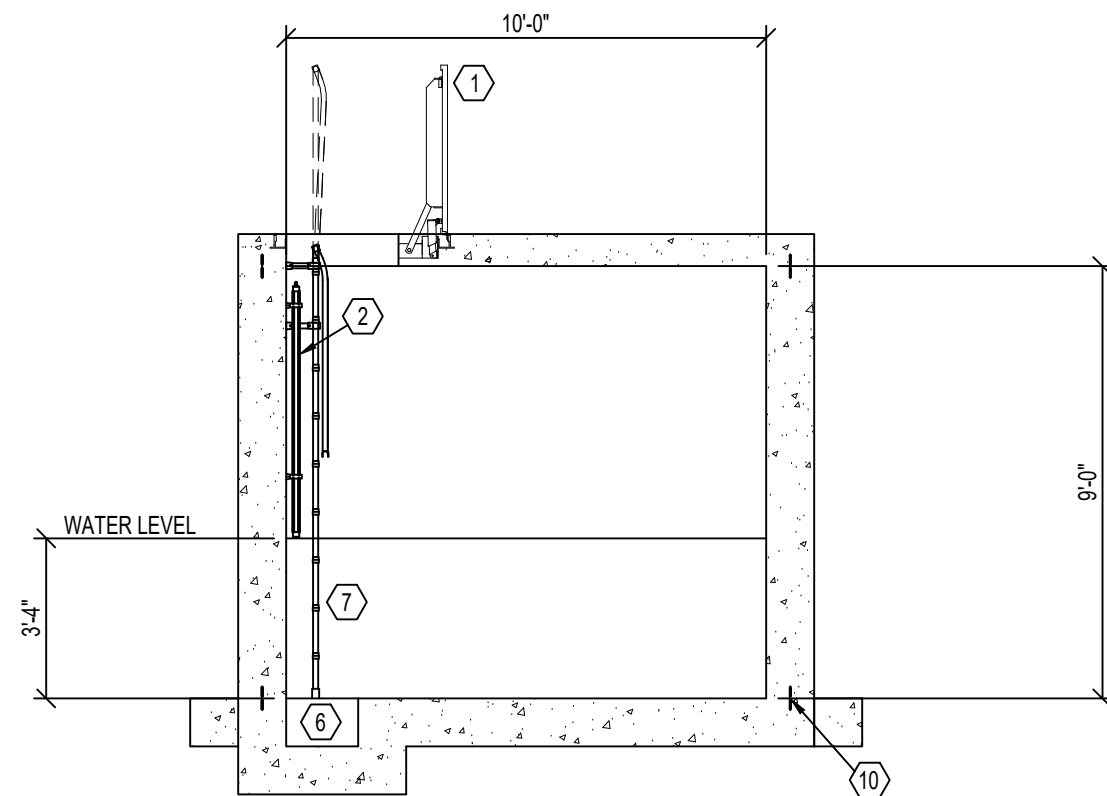
6 WELLNESS POOL SURGE TANK SECTION
AQ6.1 1/4" = 1'-0"



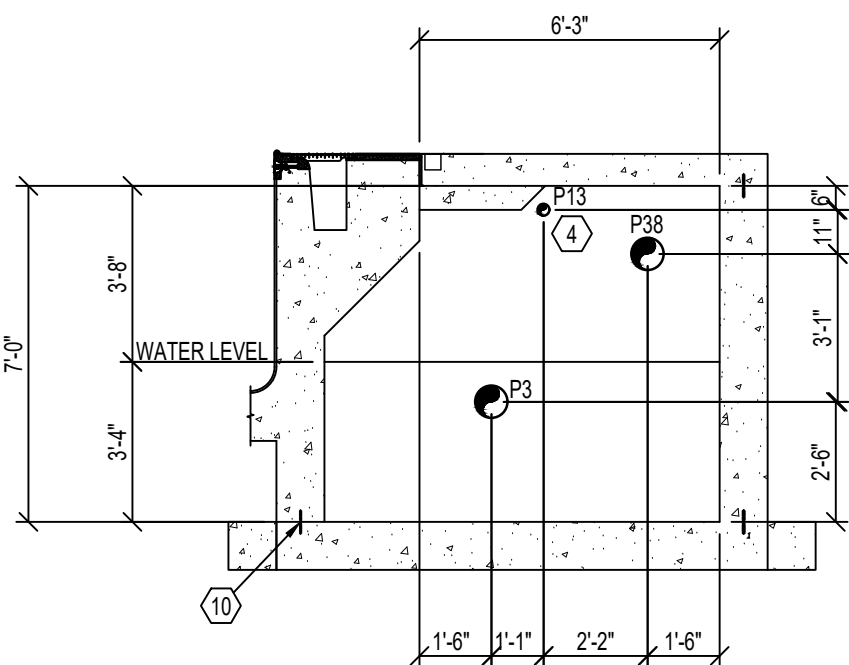
2 LAP POOL SURGE TANK SECTION
AQ6.1 1/4" = 1'-0"



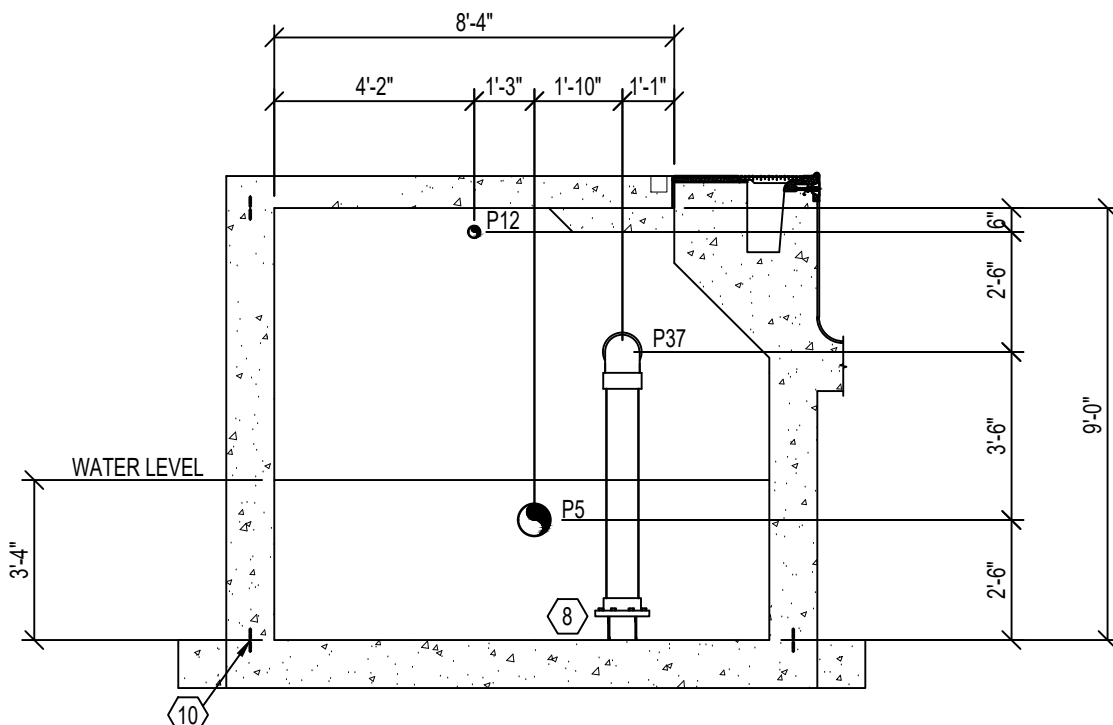
7 WELLNESS POOL SURGE TANK SECTION
AQ6.1 1/4" = 1'-0"



3 LAP POOL SURGE TANK SECTION
AQ6.1 1/4" = 1'-0"



8 WELLNESS POOL SURGE TANK SECTION
AQ6.1 1/4" = 1'-0"



4 LAP POOL SURGE TANK SECTION
AQ6.1 1/4" = 1'-0"

SURGE TANK NOTES

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

PIPE SCHEDULE

ID	DESCRIPTION
P1	6" FROM PP3 TO WELLNESS FEATURE VALVE BOX
P2	6" FROM M2 TO PP3
P3	6" FROM M2 TO PP2
P4	6" FROM F2 TO WELLNESS POOL INLETS
P5	6" FROM M1 TO PP1
P6	6" FROM F2 TO LAP POOL INLETS
P7	4" FROM PP5 TO SPA HYDROTHERAPY FITTINGS
P8	4" FROM M3 TO PPS
P9	4" FROM F3 TO SPA INLETS
P10	4" FROM SPA SKIMMERS TO PP4
P11	4" FROM M3 TO PP4
P12	3" FROM LAP POOL SURGE TANK VENT TO PLUMBING
P13	3" FROM WELLNESS POOL SURGE TANK VENT TO PLUMBING
P14	3" FROM L3 TO M3
P15	3" FROM L1 TO LAP POOL SURGE TANK
P16	3" FROM L2 TO WELLNESS POOL SURGE TANK
P17	6" FROM LAP POOL DROPOUT BOX TO SURGE TANK
P18	6" FROM WELLNESS POOL DROPOUT BOX TO SURGE TANK
P19	2" FROM WELLNESS FEATURE VALVE BOX TO RESTORATIVE SPRAY 1
P20	4" FROM WELLNESS FEATURE VALVE BOX TO HYDROTHERAPY INLETS
P21	2" FROM WELLNESS FEATURE VALVE BOX TO GS SPRAY TUNNEL 4
P22	6" FROM PP1 TO F1
P23	6" FROM PP2 TO F2
P24	4" FROM PP4 TO F3
P25	6" FROM F1 TO BACKWASH CATCH BASIN
P26	6" FROM F2 TO BACKWASH CATCH BASIN
P27	4" FROM F3 TO BACKWASH CATCH BASIN
P28	3" FROM P9 TO BACKWASH CATCH BASIN
P29	3" FROM P23 TO BACKWASH CATCH BASIN
P30	6" FROM P4 TO H2
P31	6" FROM H2 TO P4
P32	3" FROM P22 TO BACKWASH CATCH BASIN
P33	3" FROM P9 TO H3
P34	3" FROM H3 TO P9
P35	6" FROM P6 TO H1
P36	6" FROM H1 TO P6
P37	6" FROM LAP POOL DROPOUT BOX TO SURGE TANK
P38	6" FROM WELLNESS POOL DROPOUT BOX TO SURGE TANK

EQUIPMENT SCHEDULE

ID	ITEM
1	ACCESS HATCH REFER: 8/AQ6.5
2	WATER LEVEL CONTROLLER(S) REFER: 3/AQ6.4
3	SUPPORT TEE REFER: 8/AQ6.4
4	SURGE TANK VENT REFER: 14/AQ6.4
5	WATER SEAL REFER: 13/AQ6.2
6	1'-6"x1'-6"x1'-0" DEEP SUMP
7	LADDER RUNGS
8	SUPPORT FLANGE
9	ANTI-VORTEX PLATE
10	WATERSTOP
11	VALVE EXTENSION REFER: 7/AQ6.4

LEGEND



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BID SET 10.15.2025
NO REVISION DATE

TERREBONNE HEALTH AND WELLNESS CENTER PROJECT

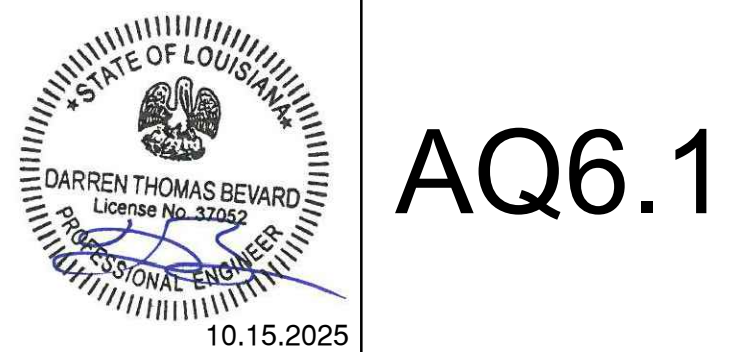
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HOUMA, LA 70360

21001 JOB NO

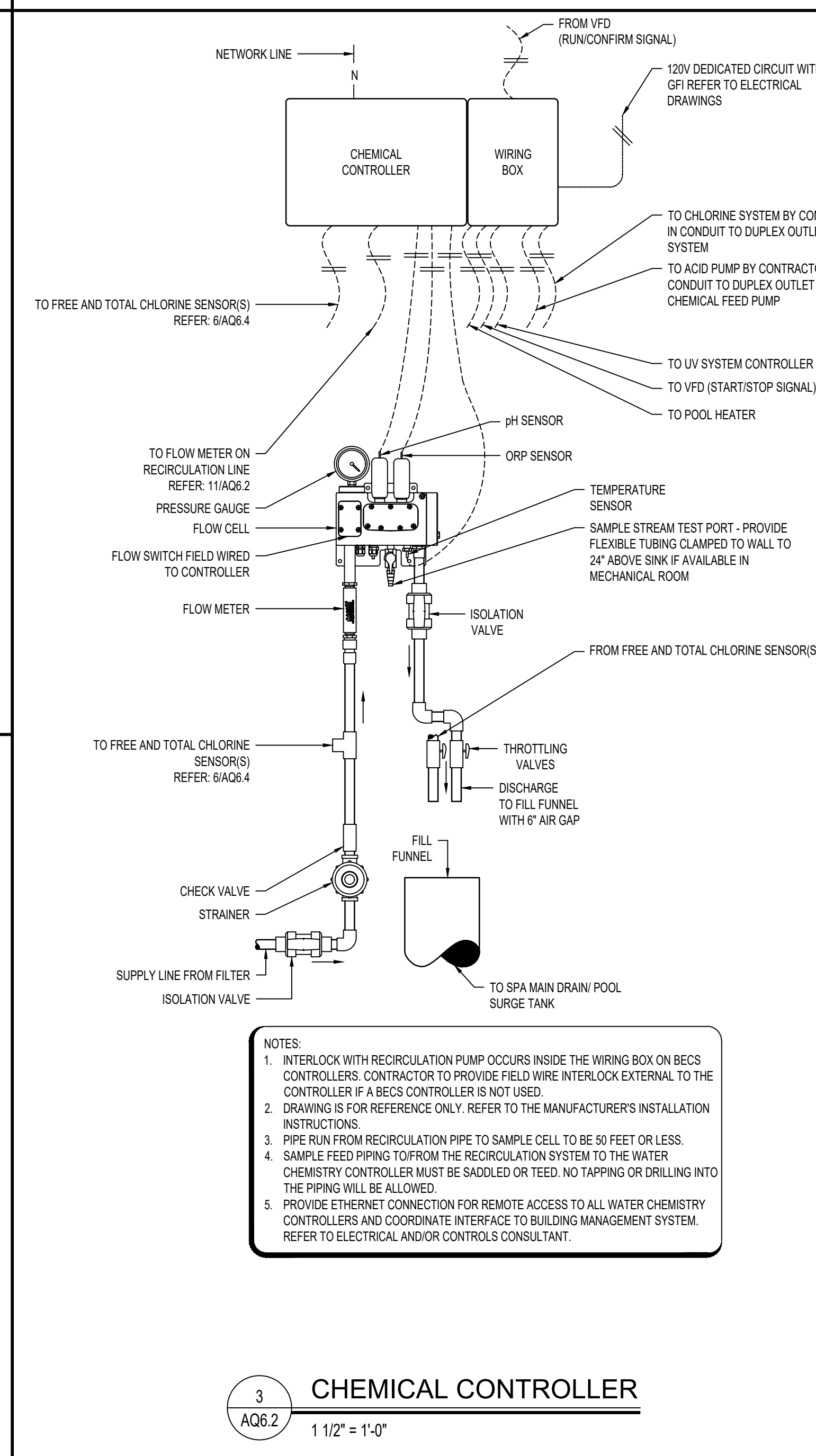
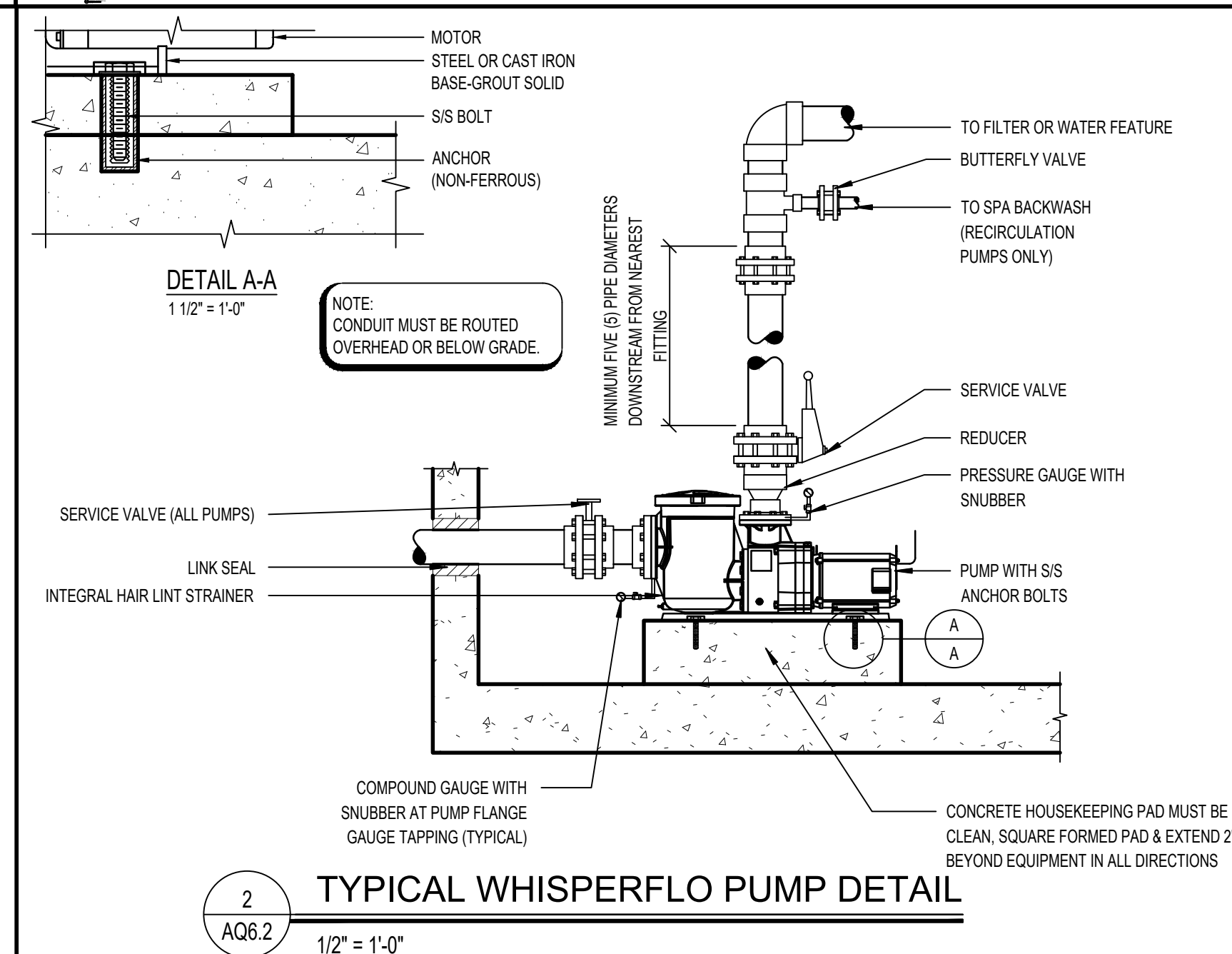
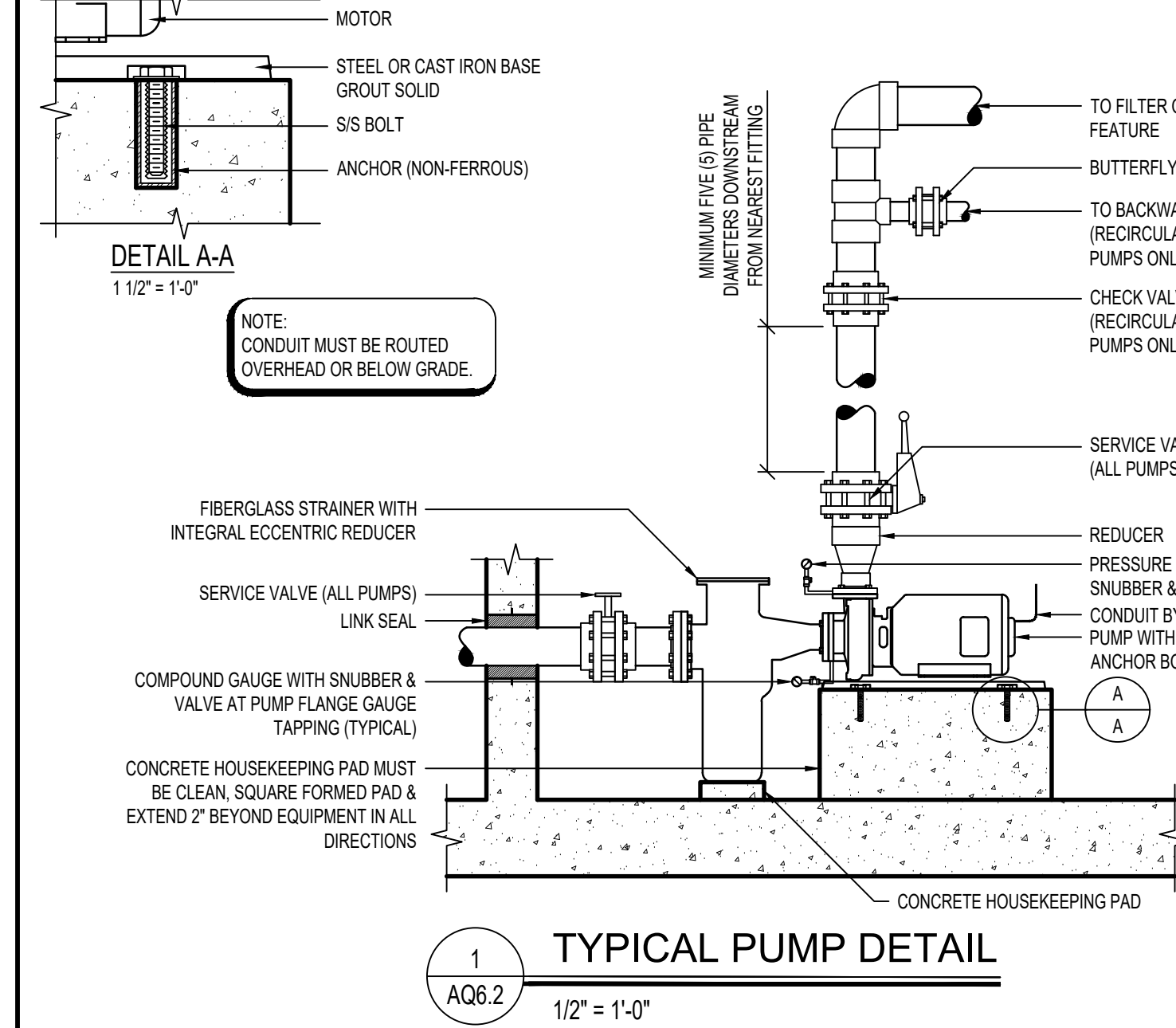
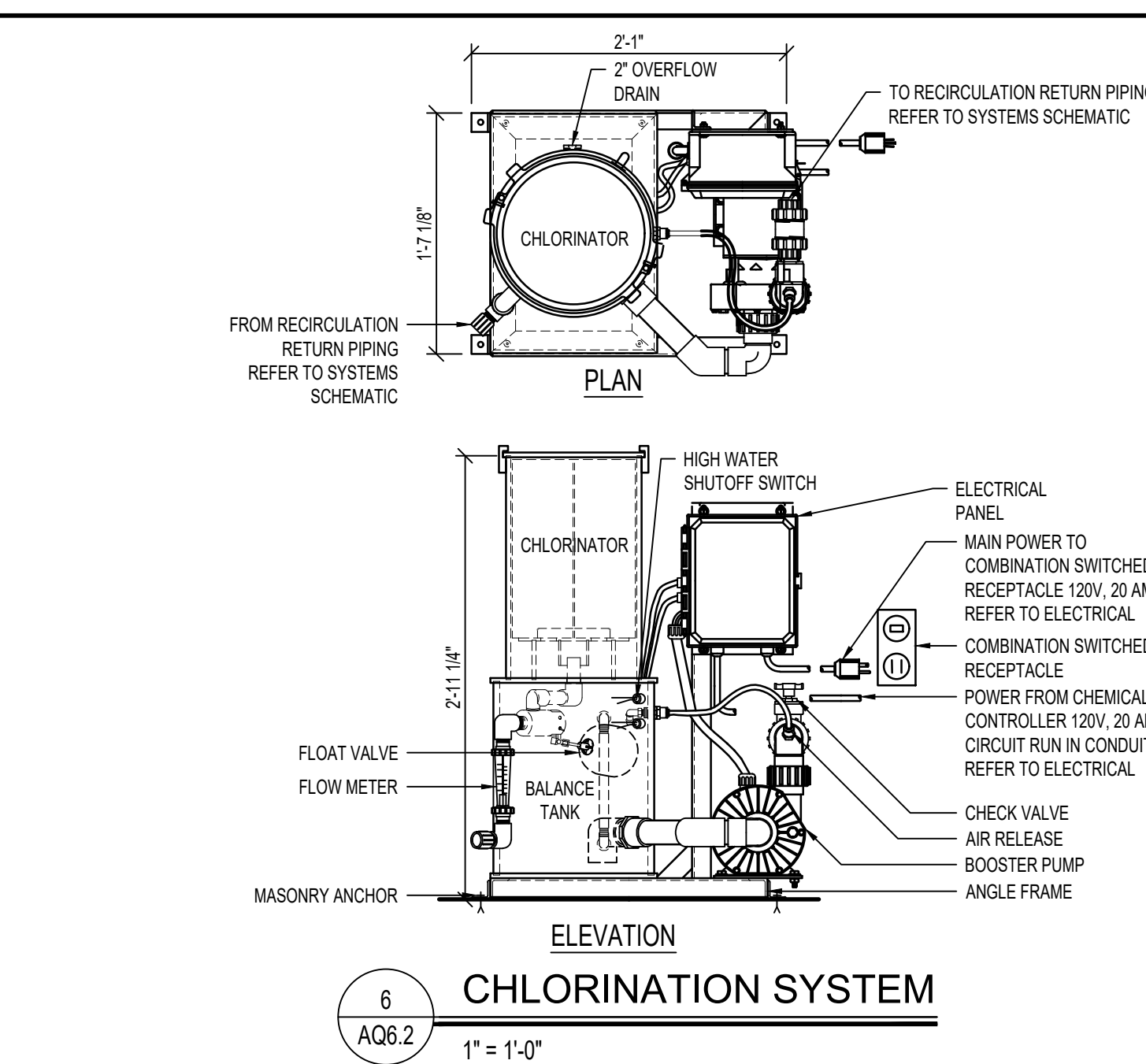
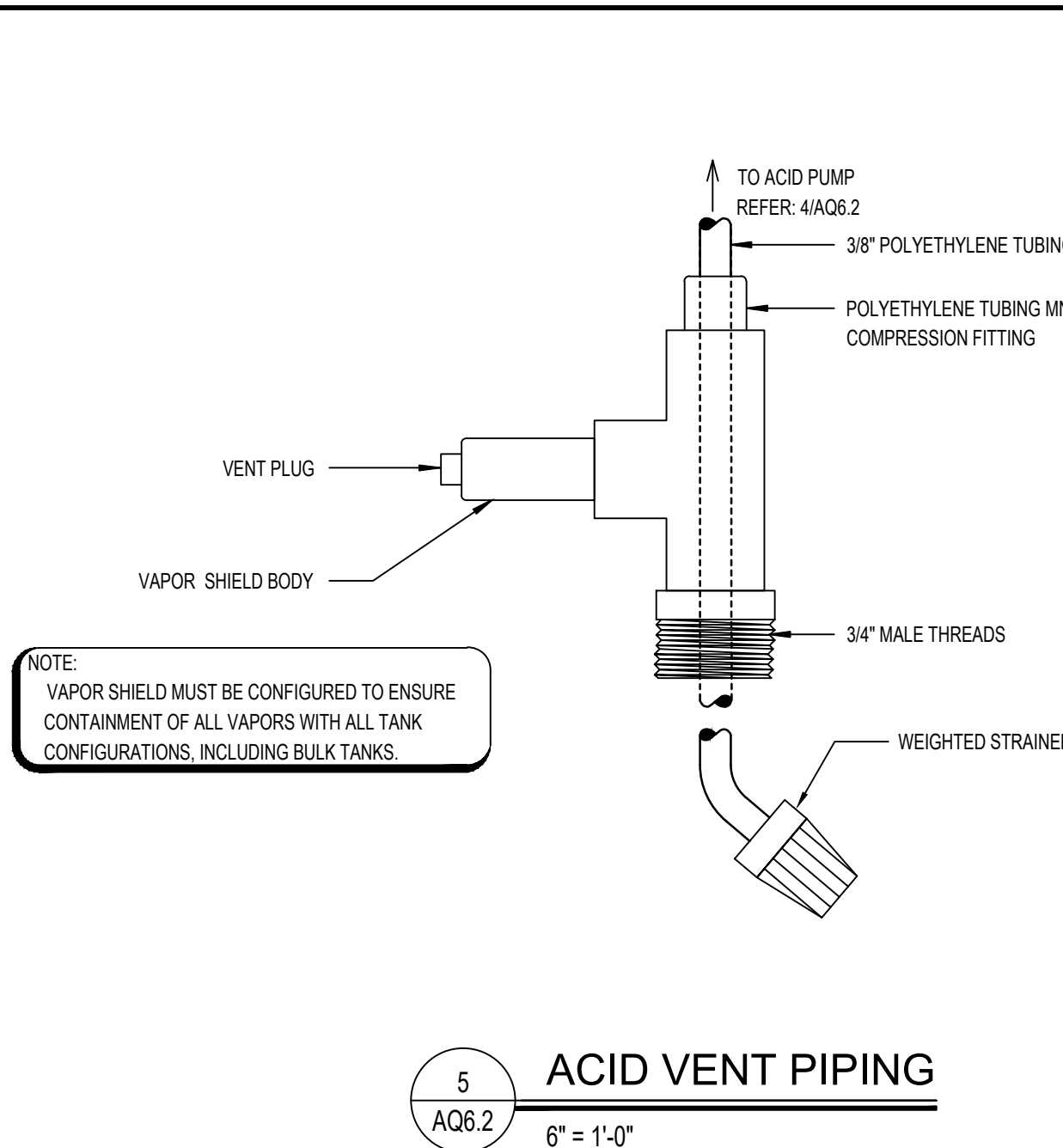
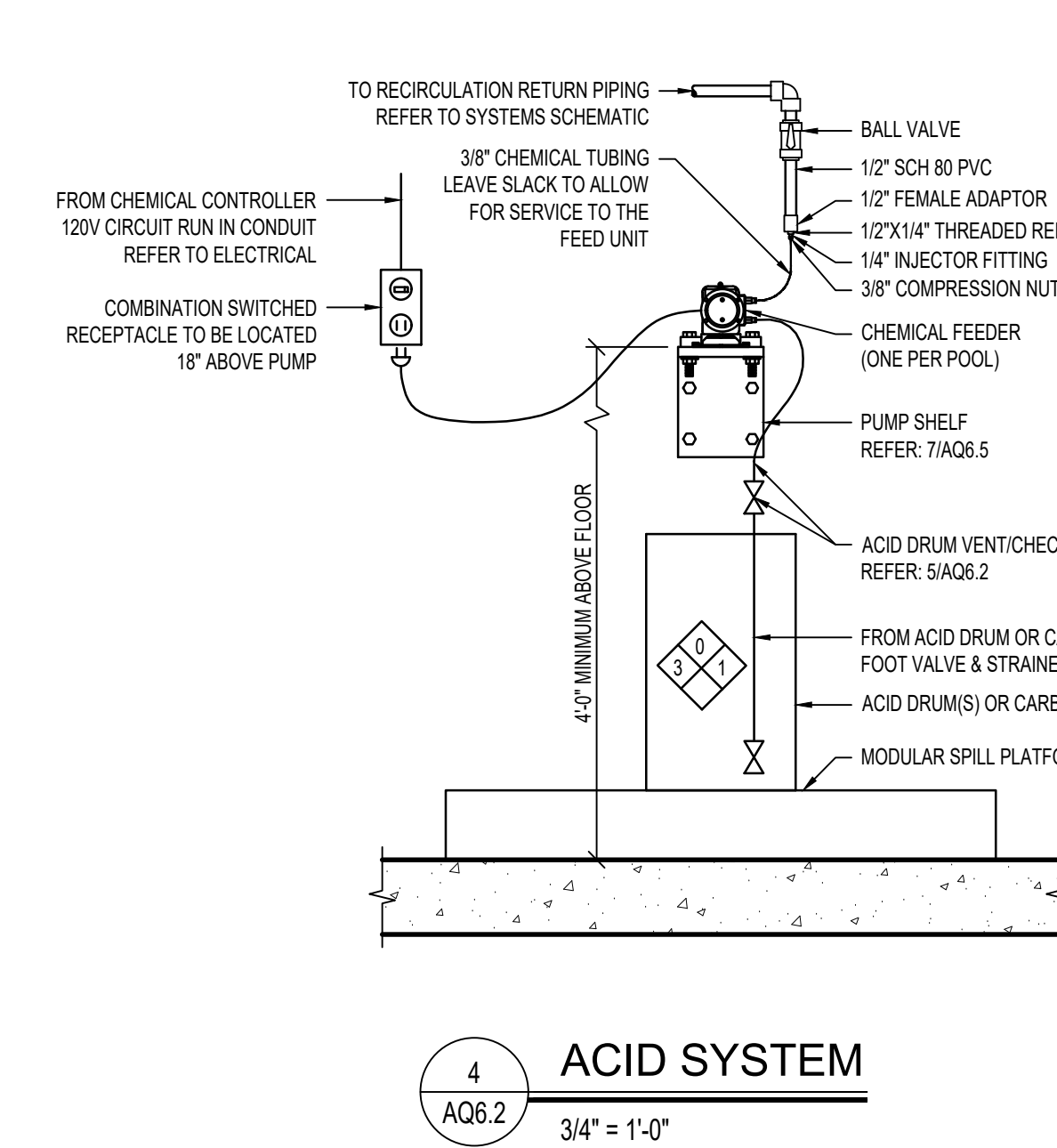
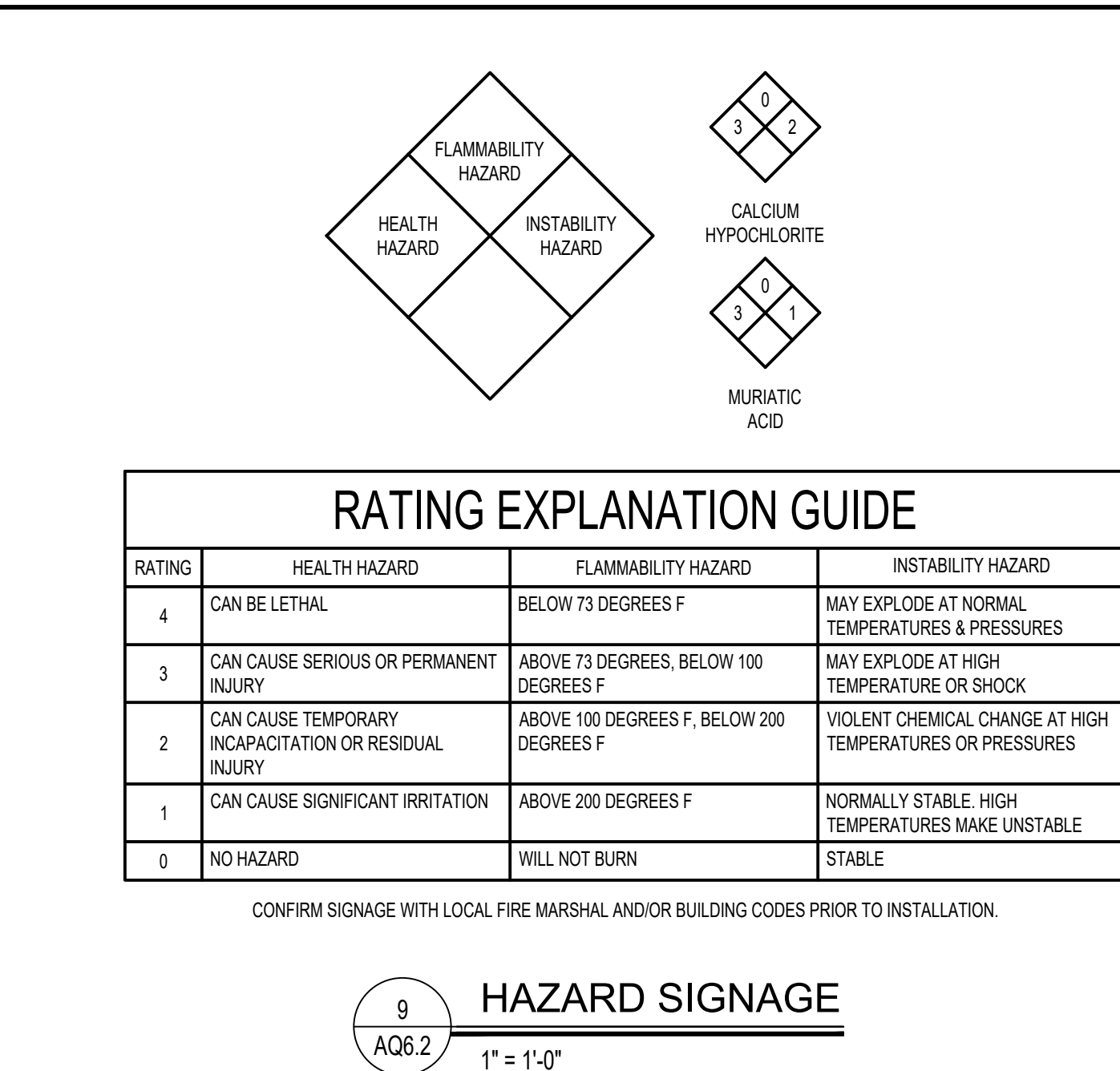
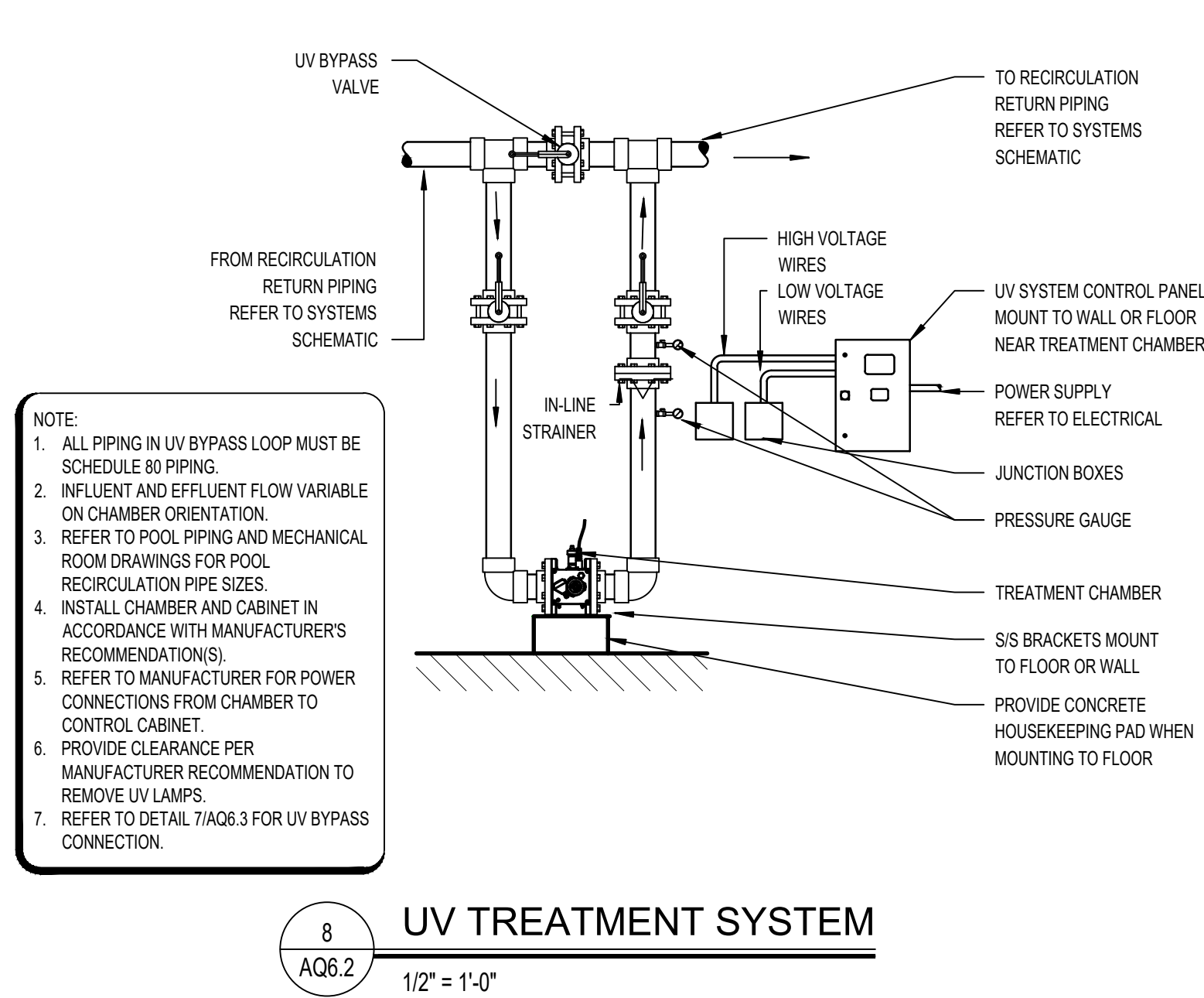
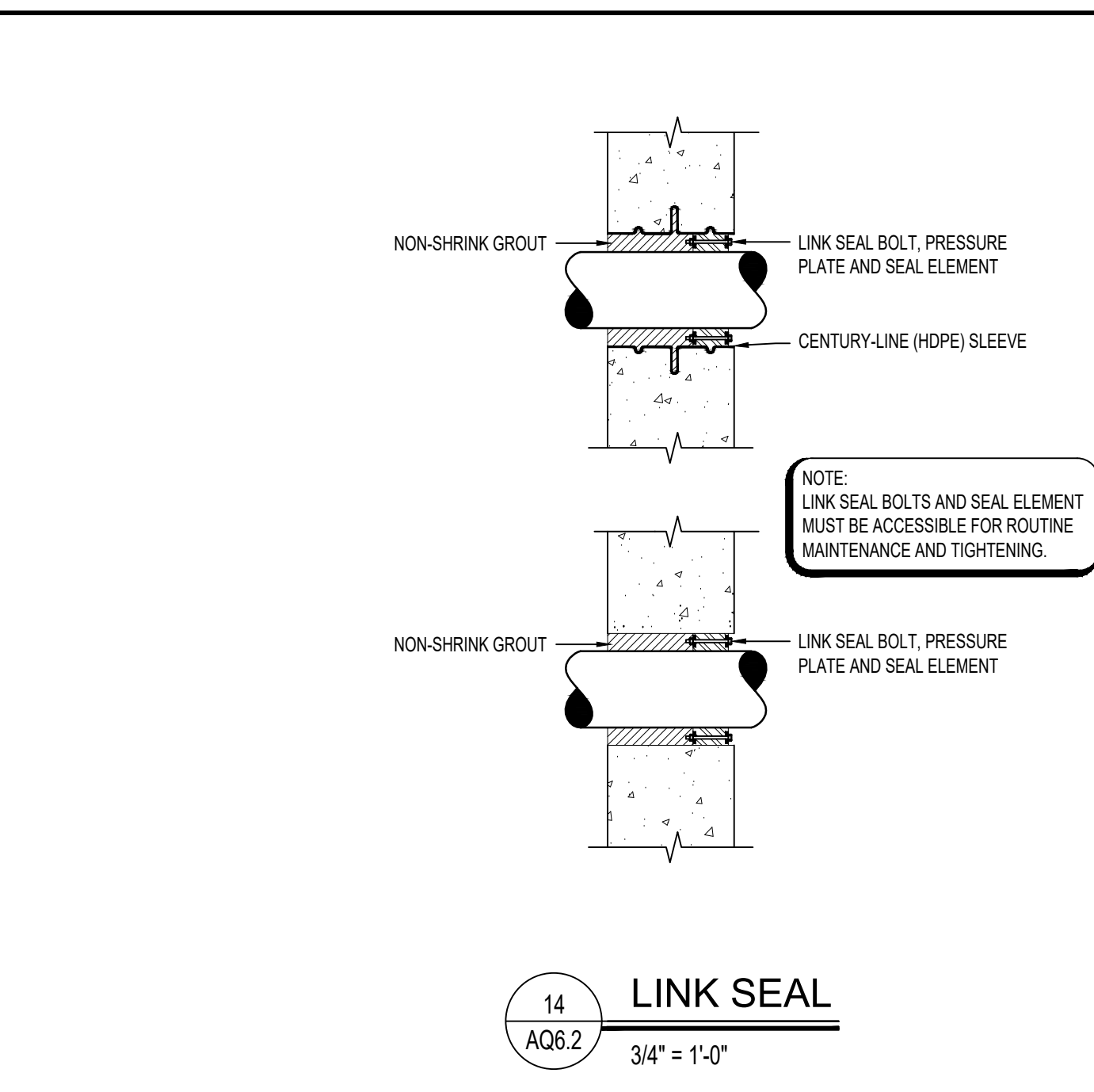
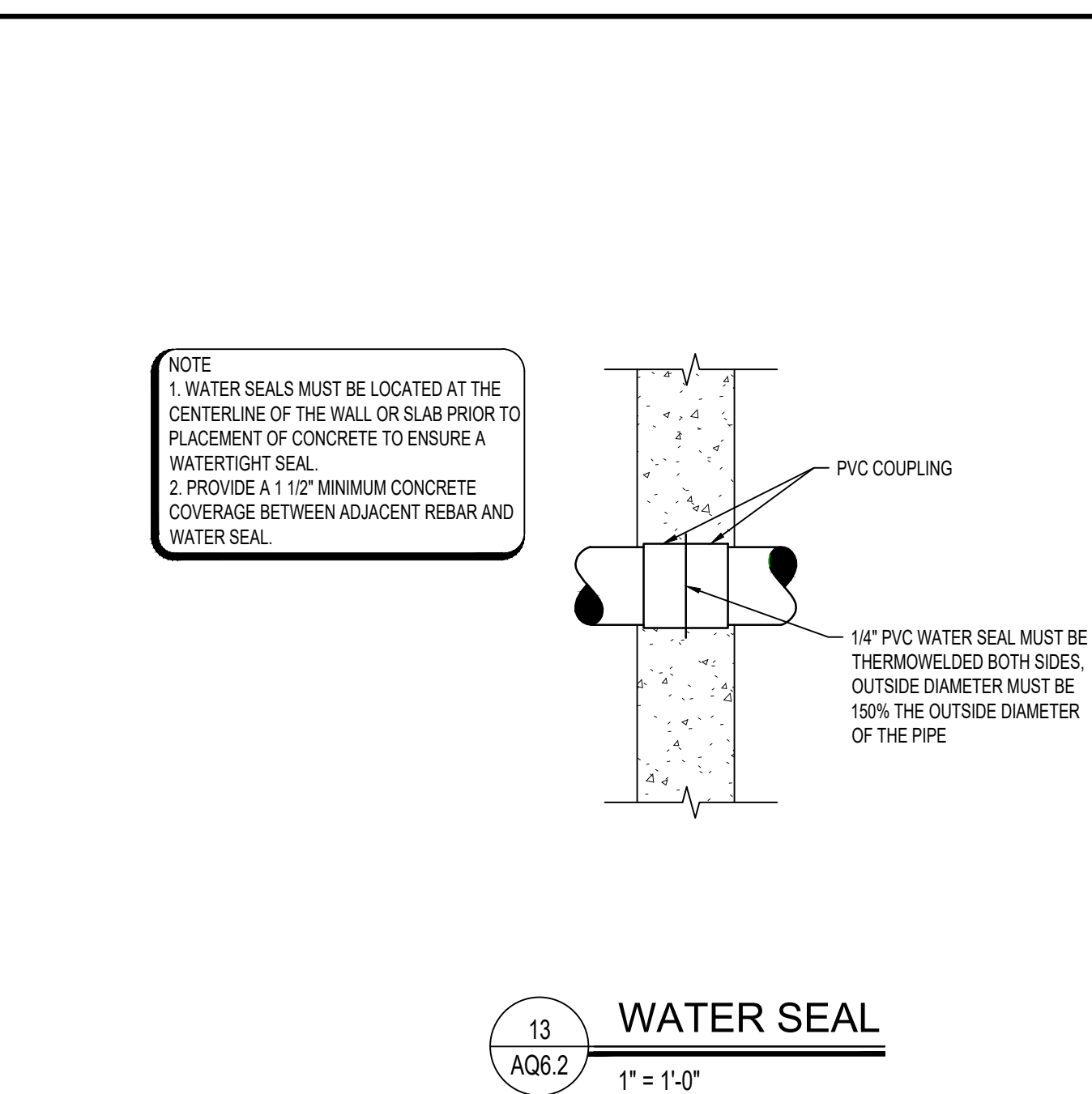
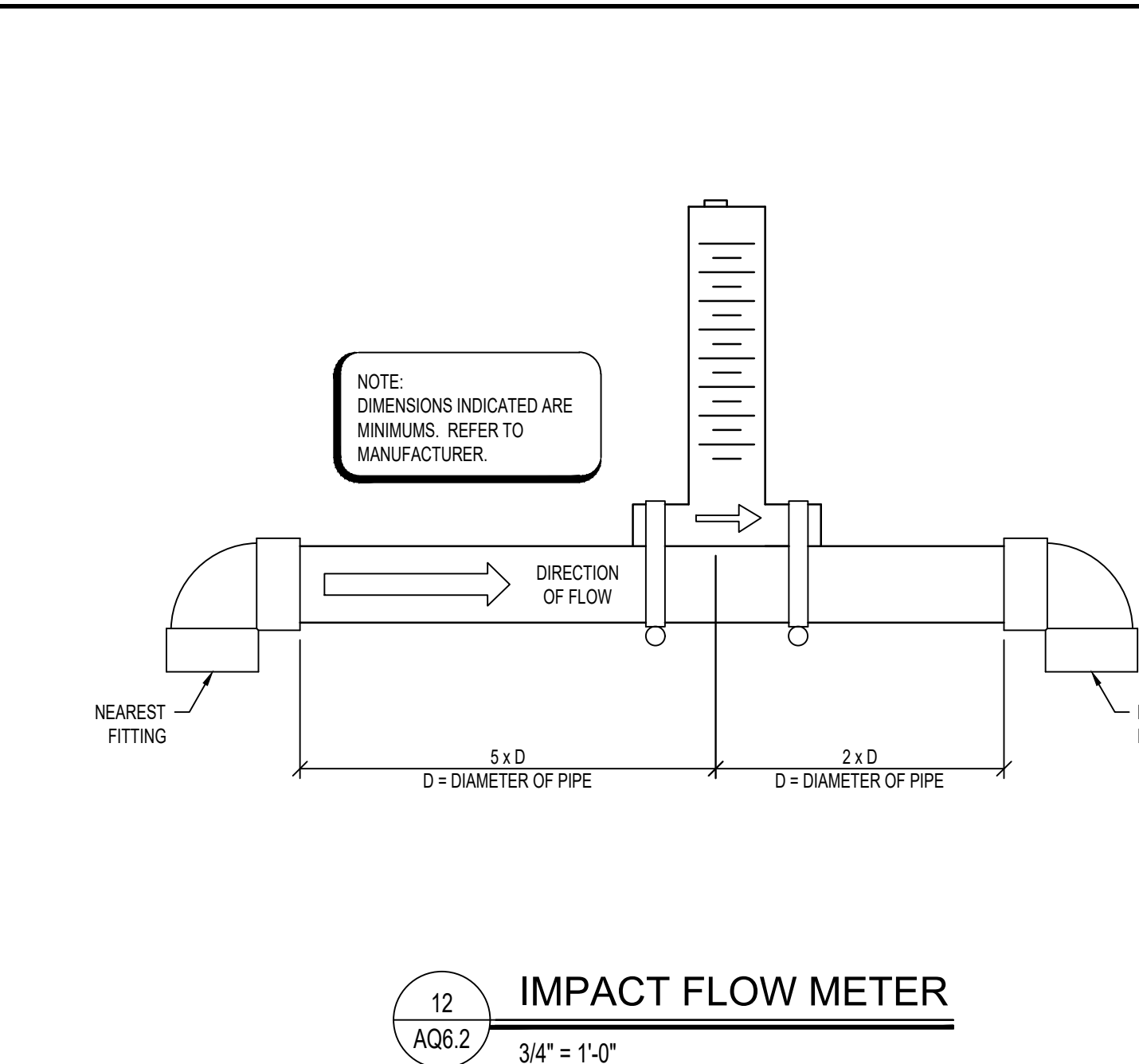
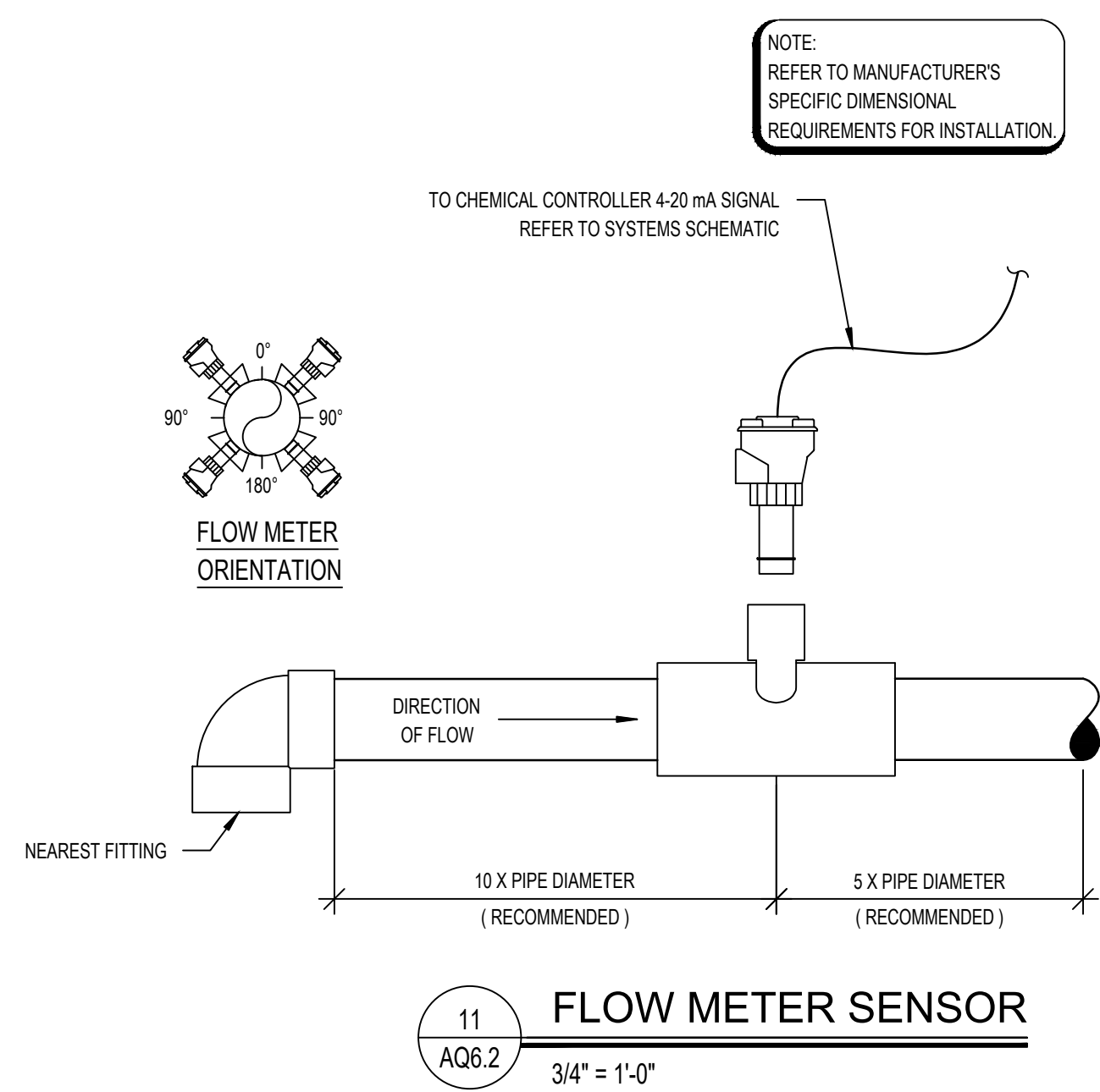
SURGE TANK PLANS & SECTIONS

AS NOTED SCALE

C.J.L. / RWG DRAWN/CHK



AQ6.1



Terrebonne
GENERAL HEALTH SYSTEM

LEGEND

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NO	REVISION	DATE
TERREBONNE HEALTH AND WELLNESS CENTER	PROJECT	
855 WESTSIDE BLVD EXTENSION		
HOUMA, LA 70360		
21001	JOB NO	

POOL MECHANICAL DETAILS

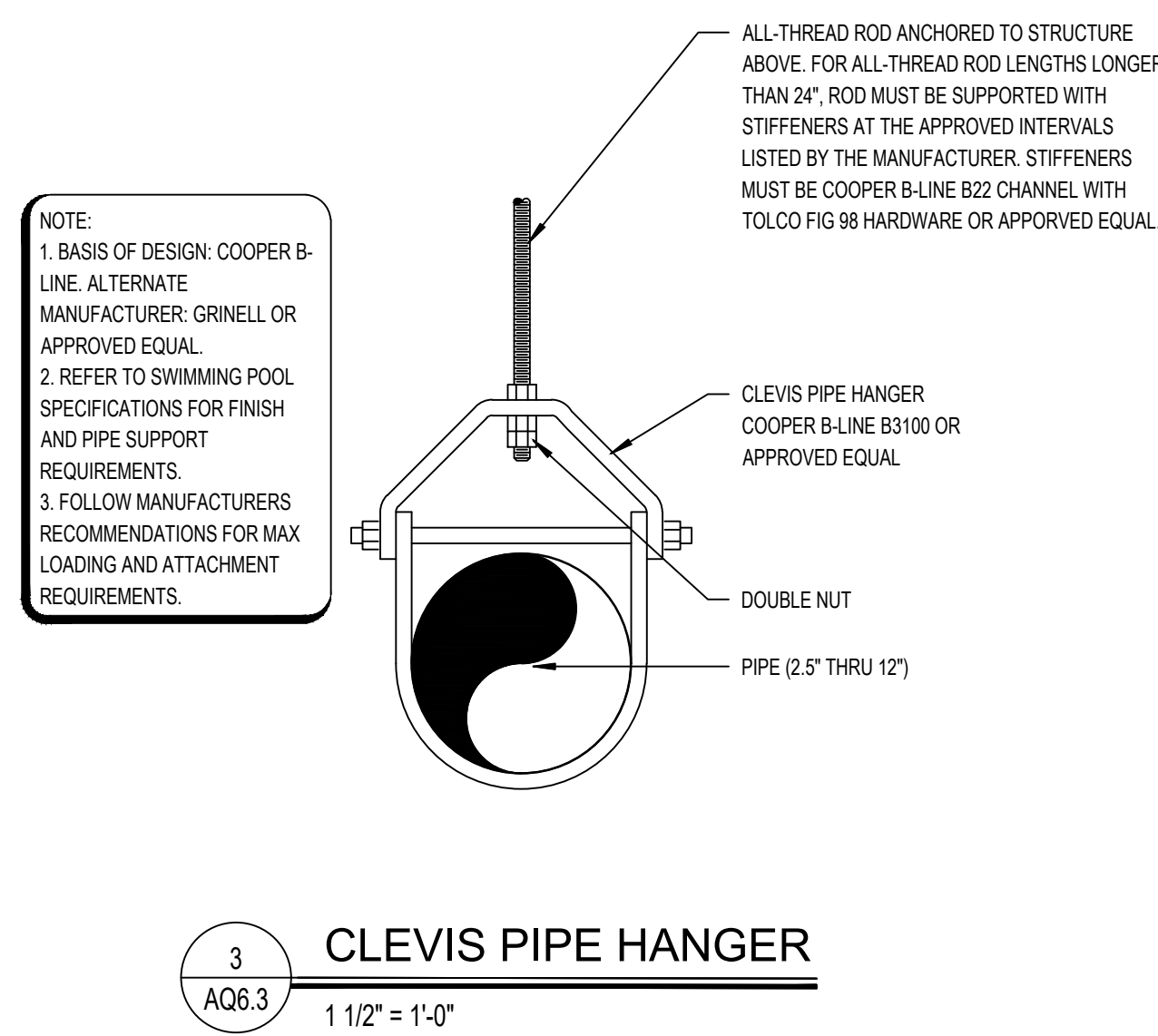
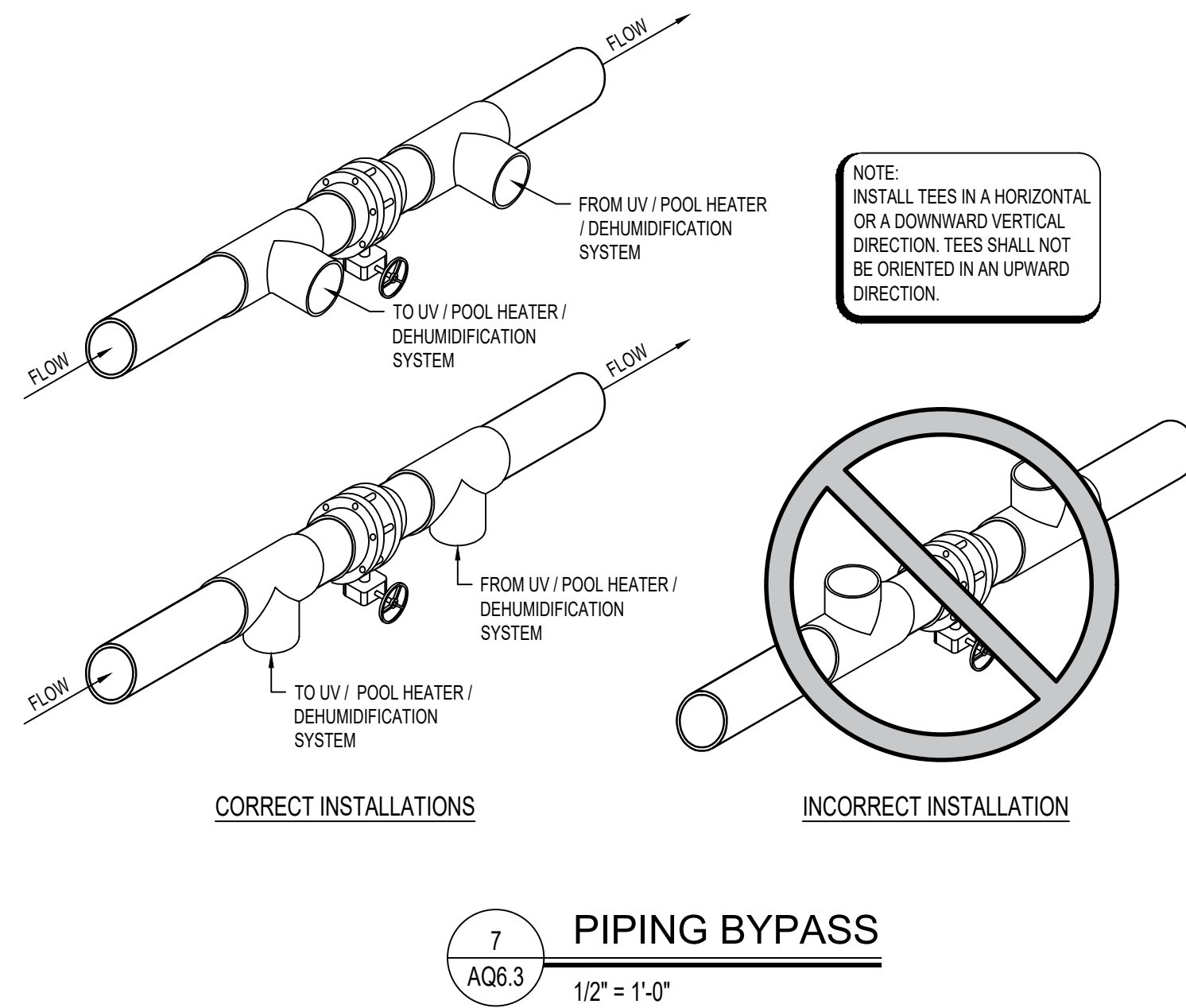
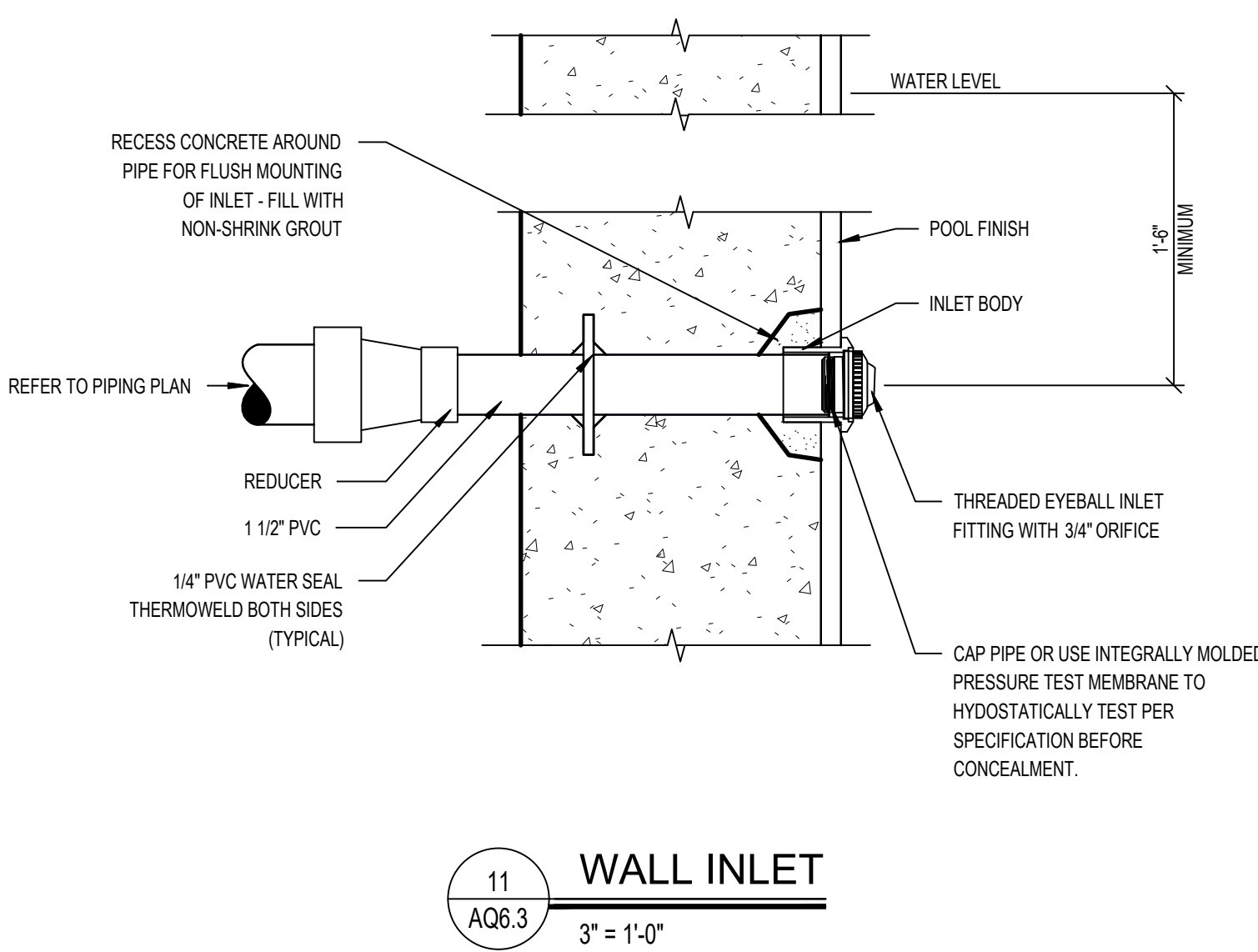
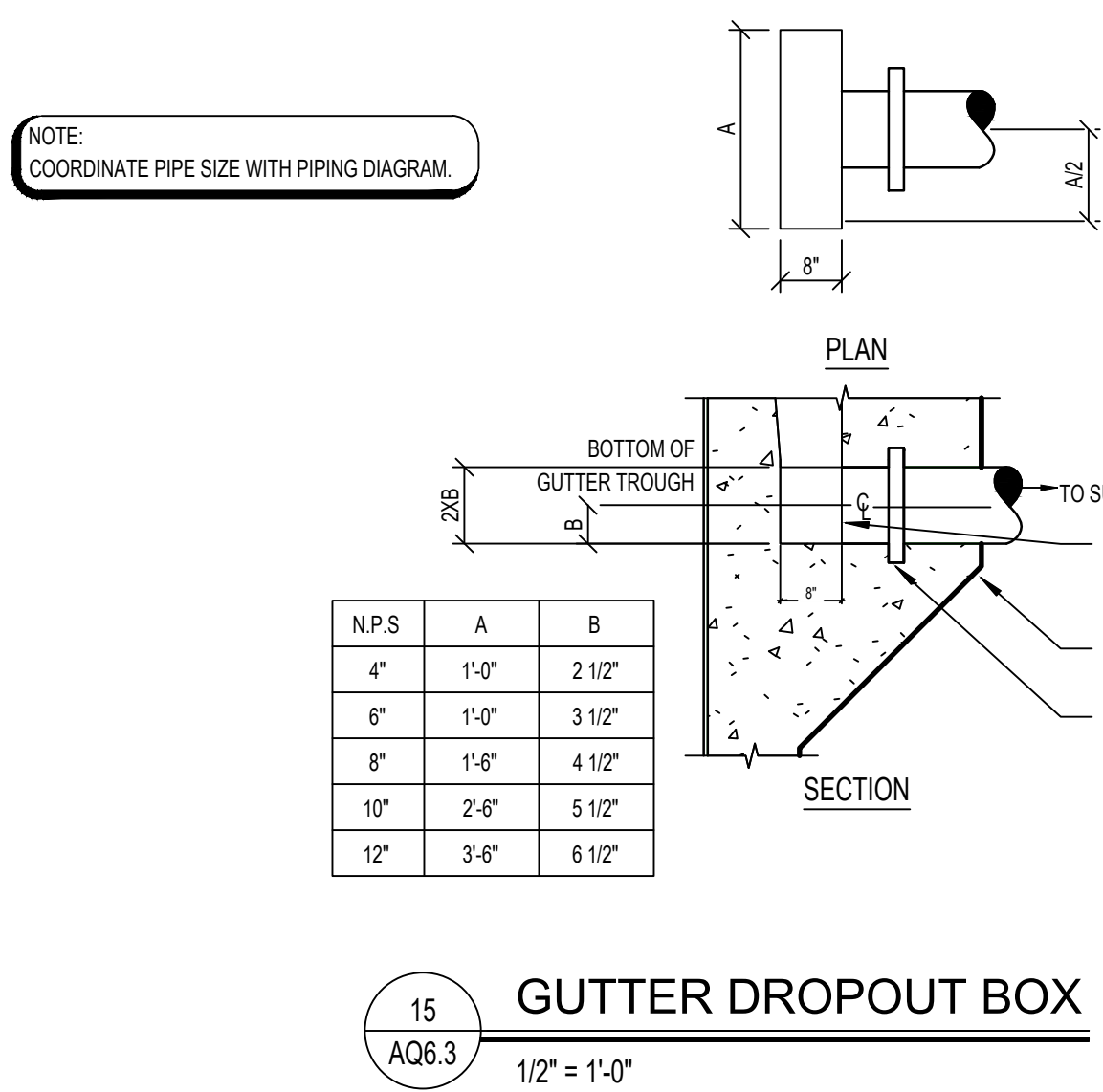
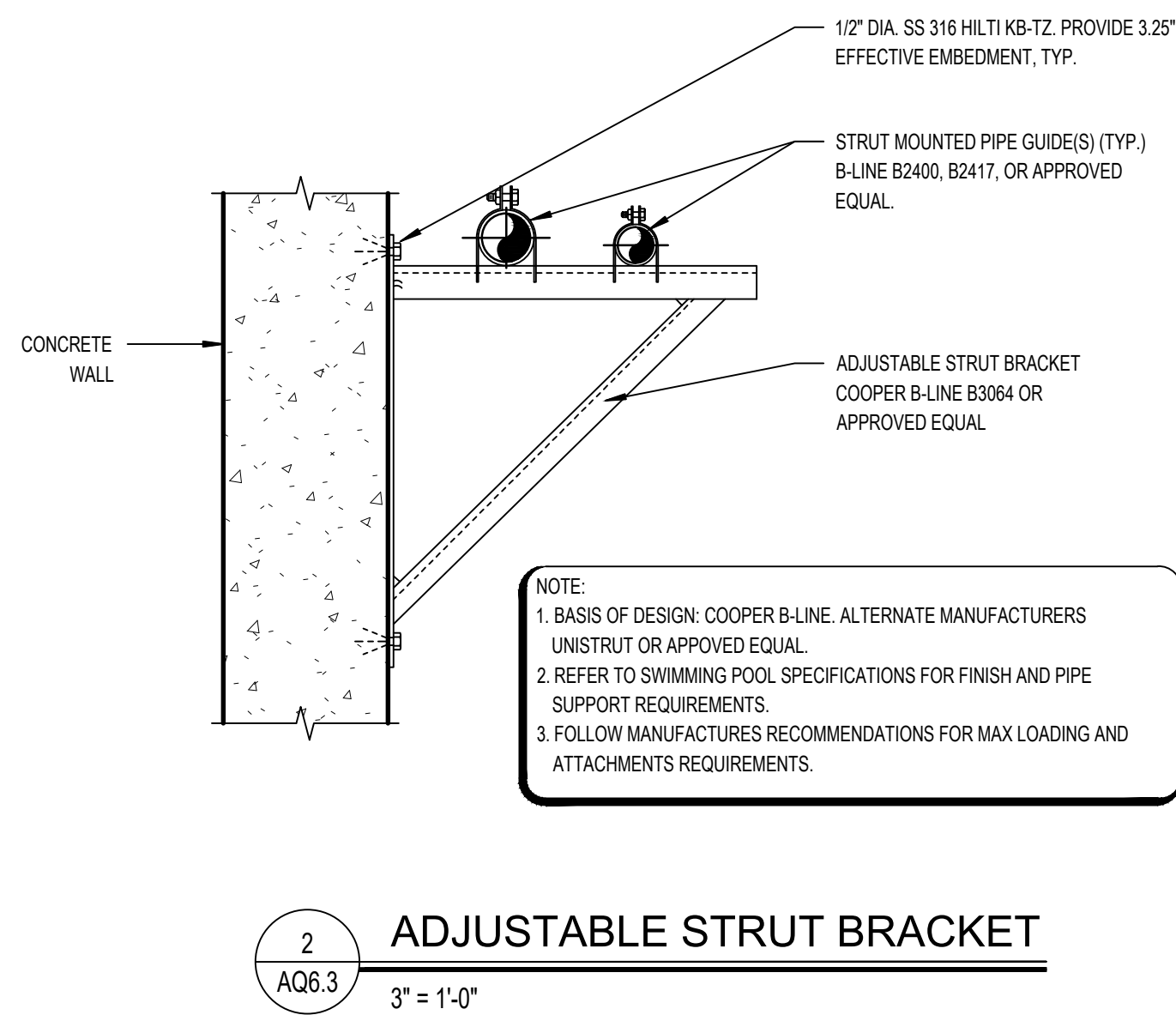
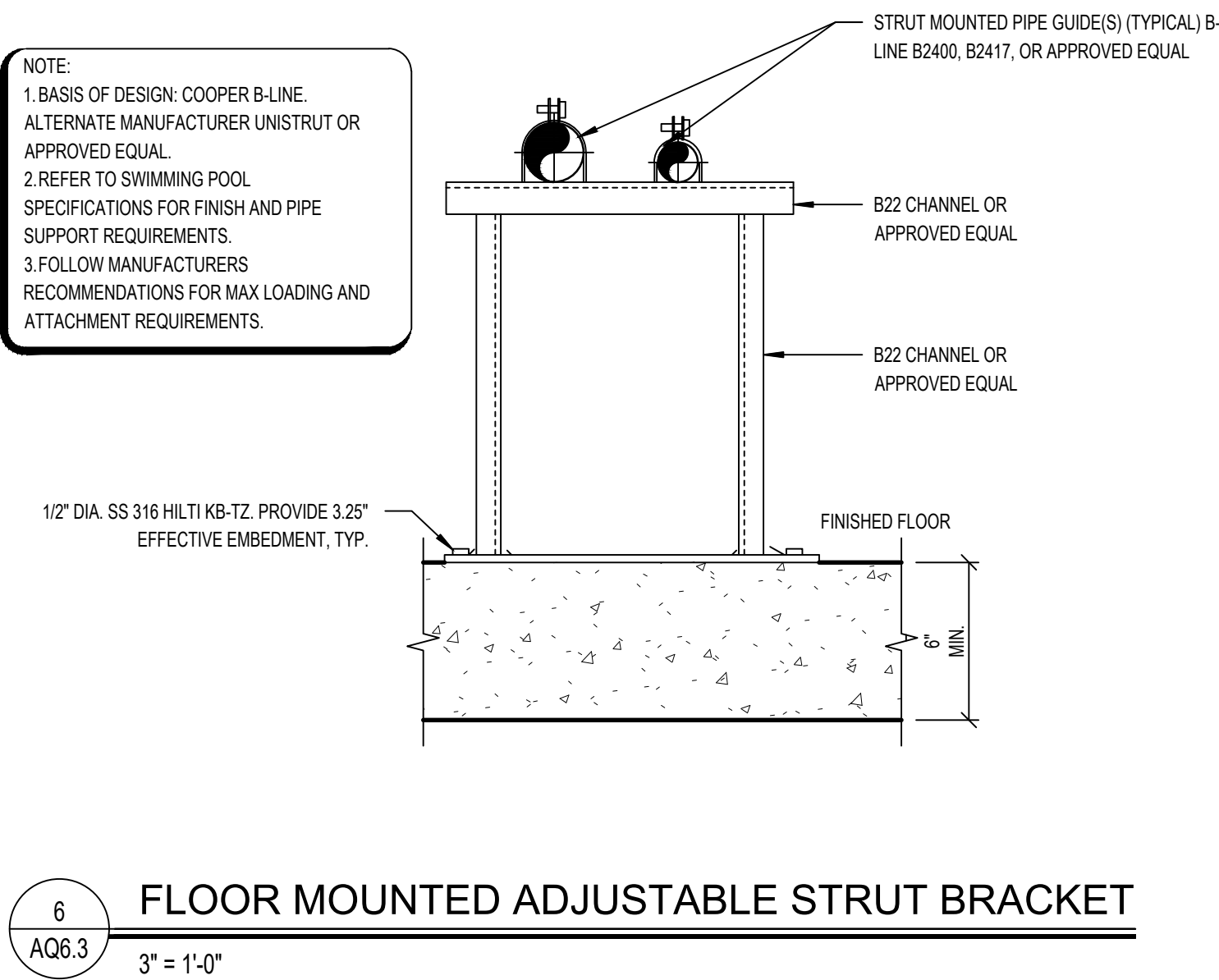
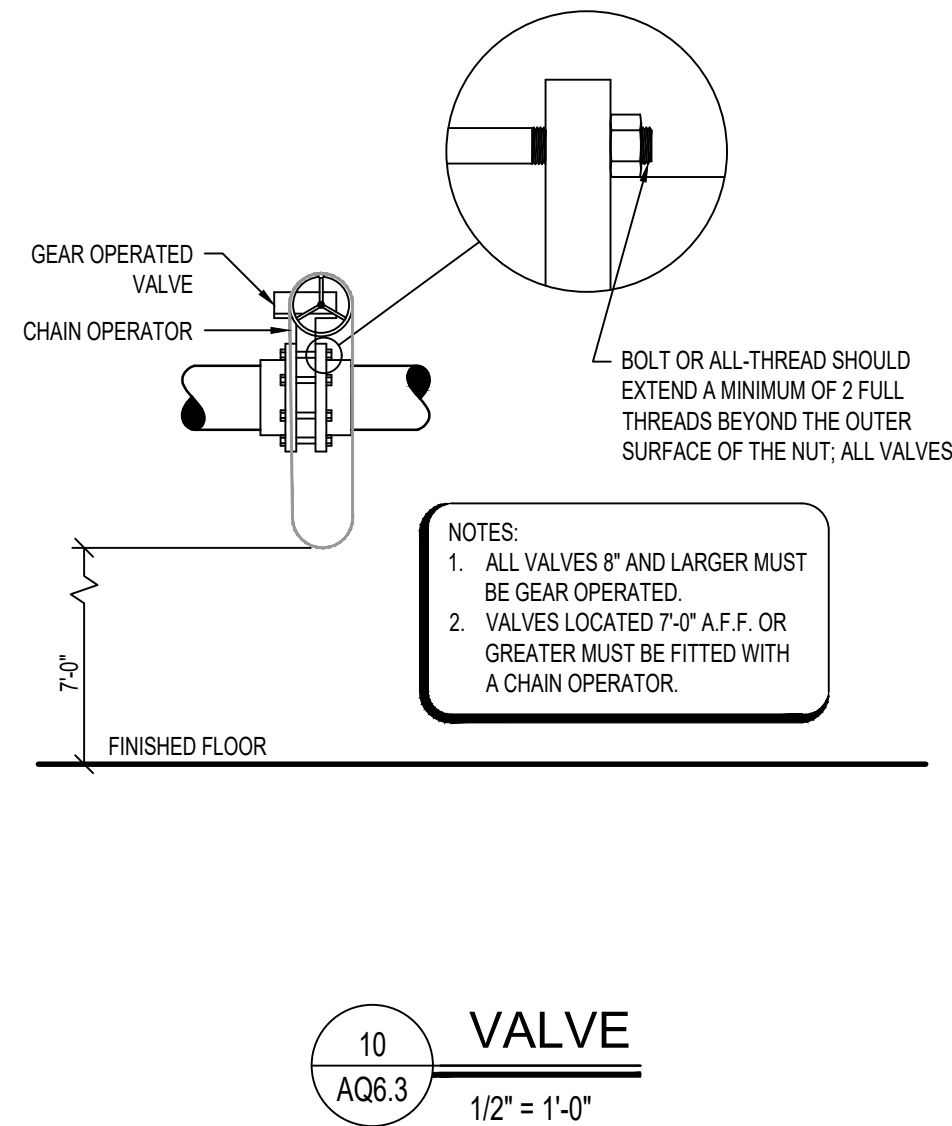
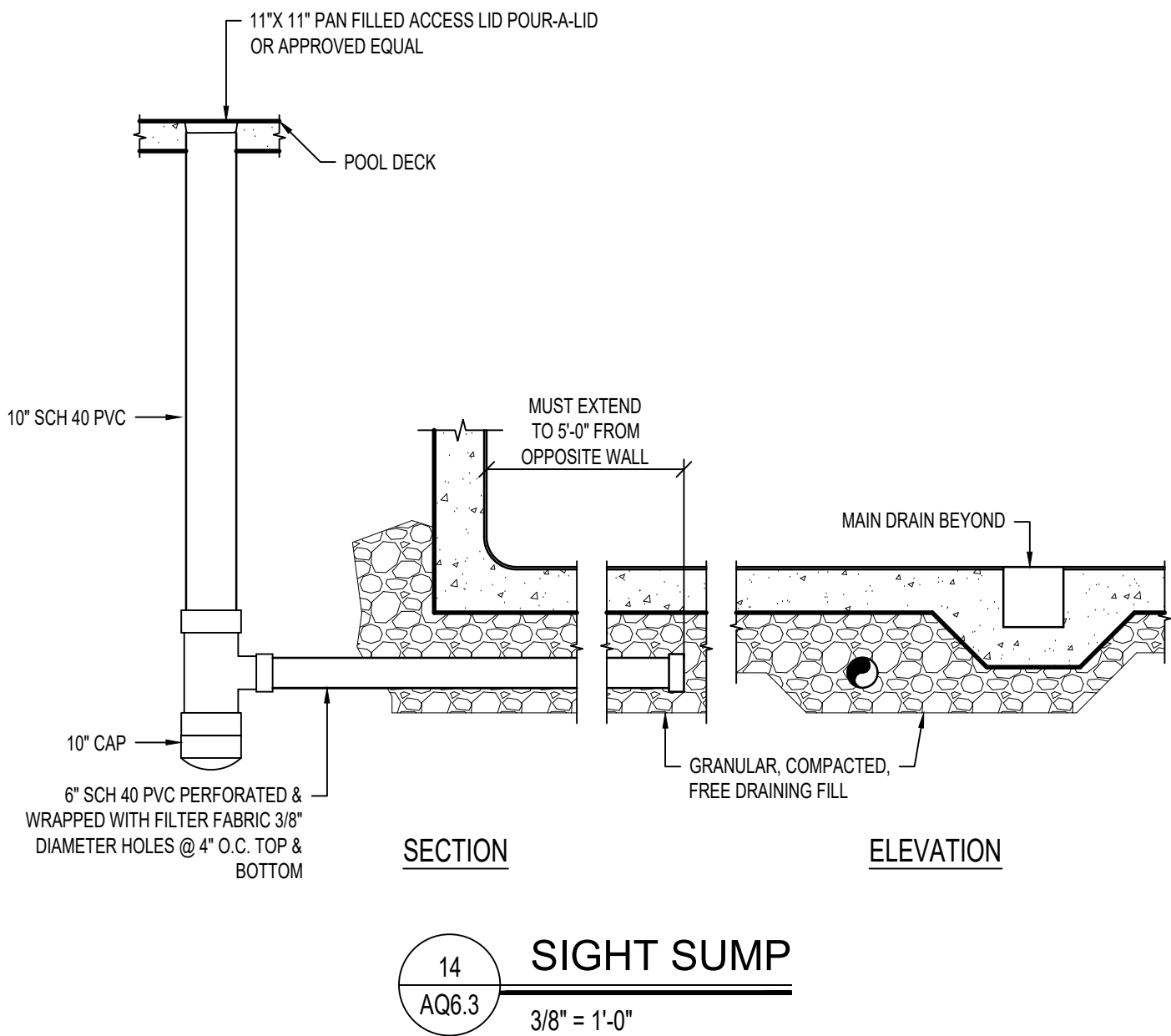
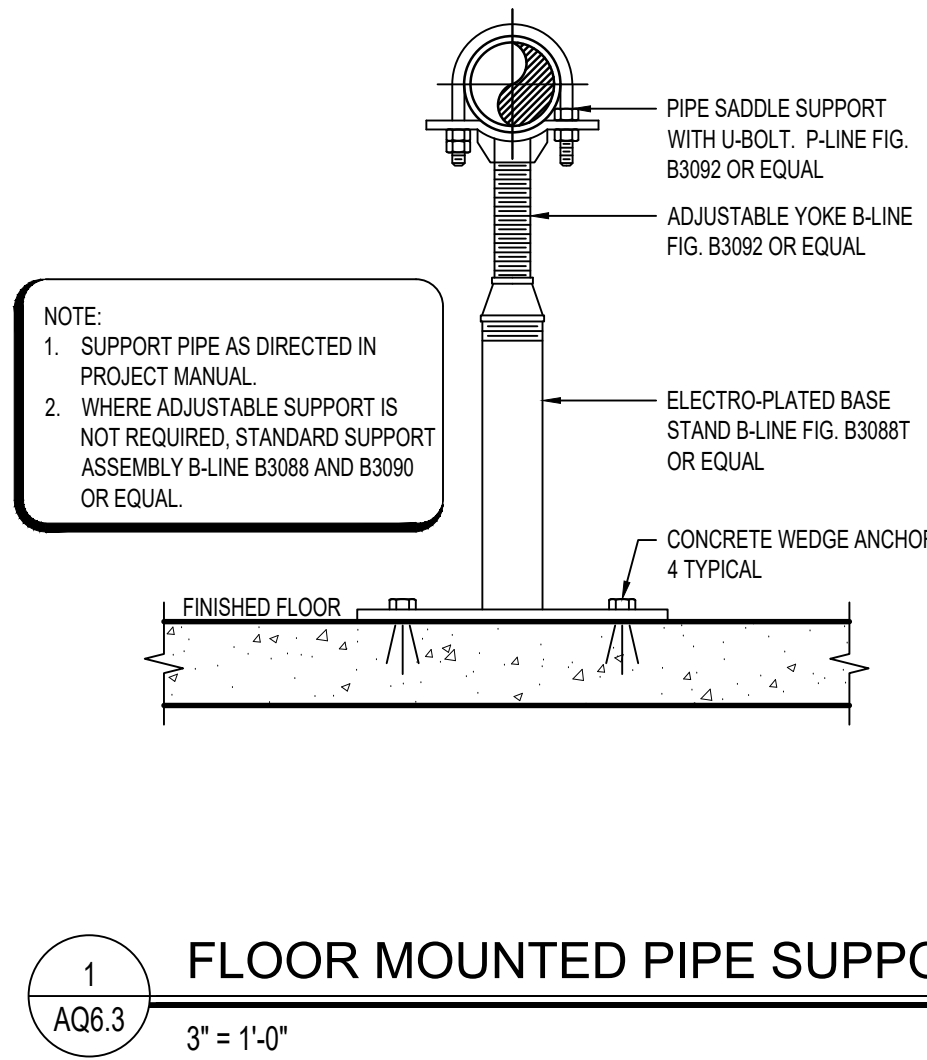
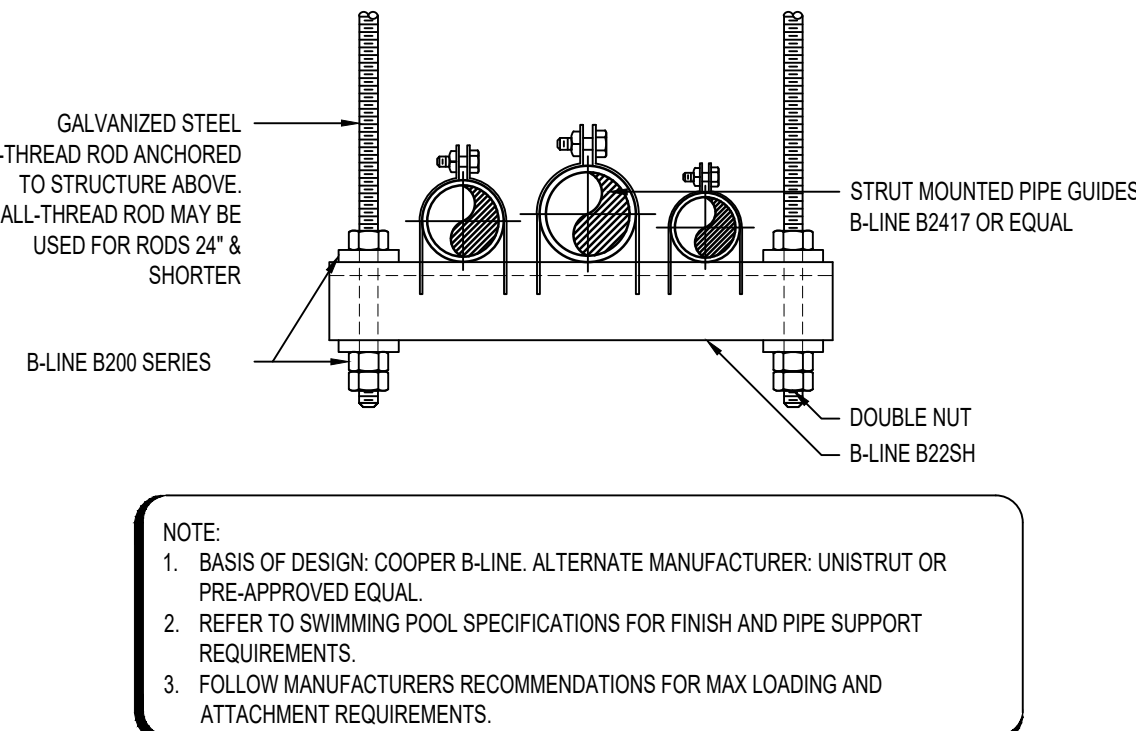
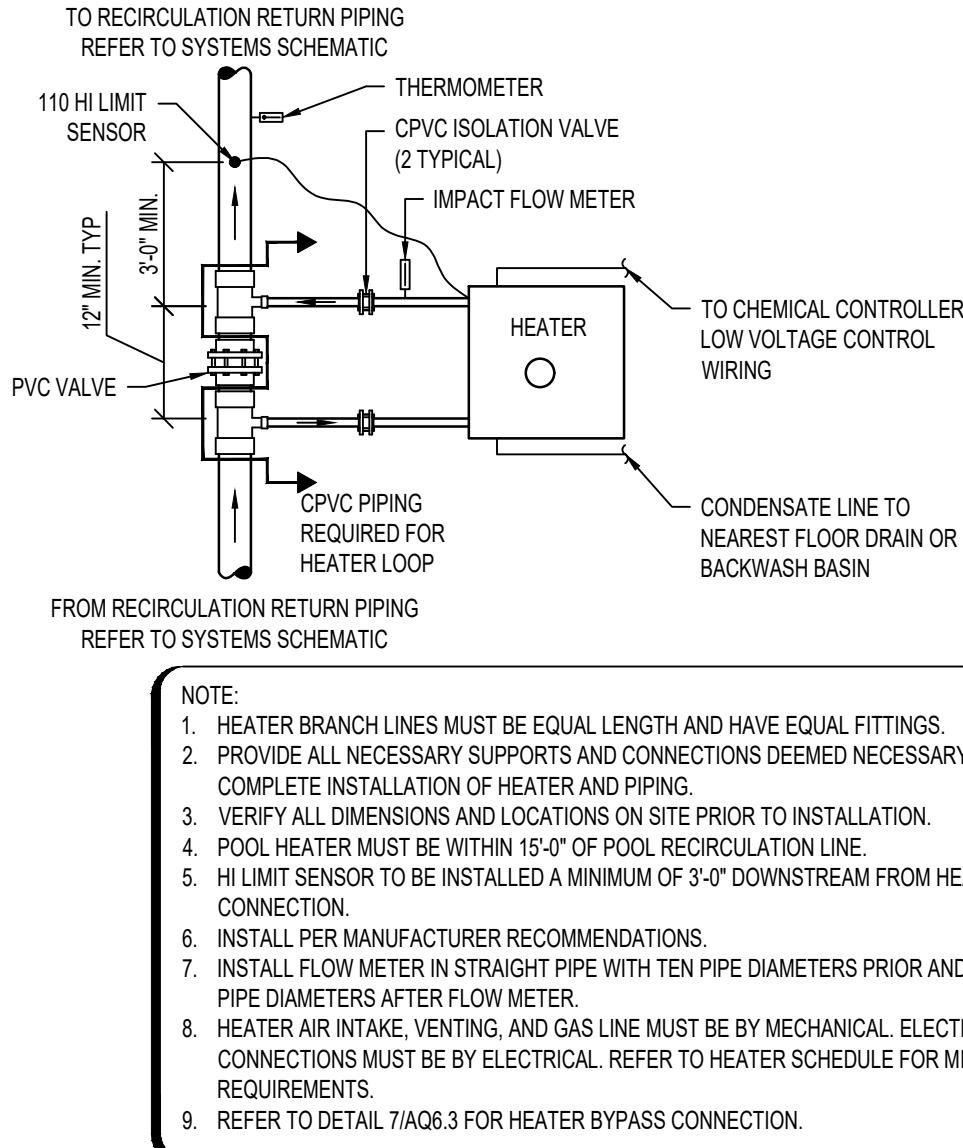
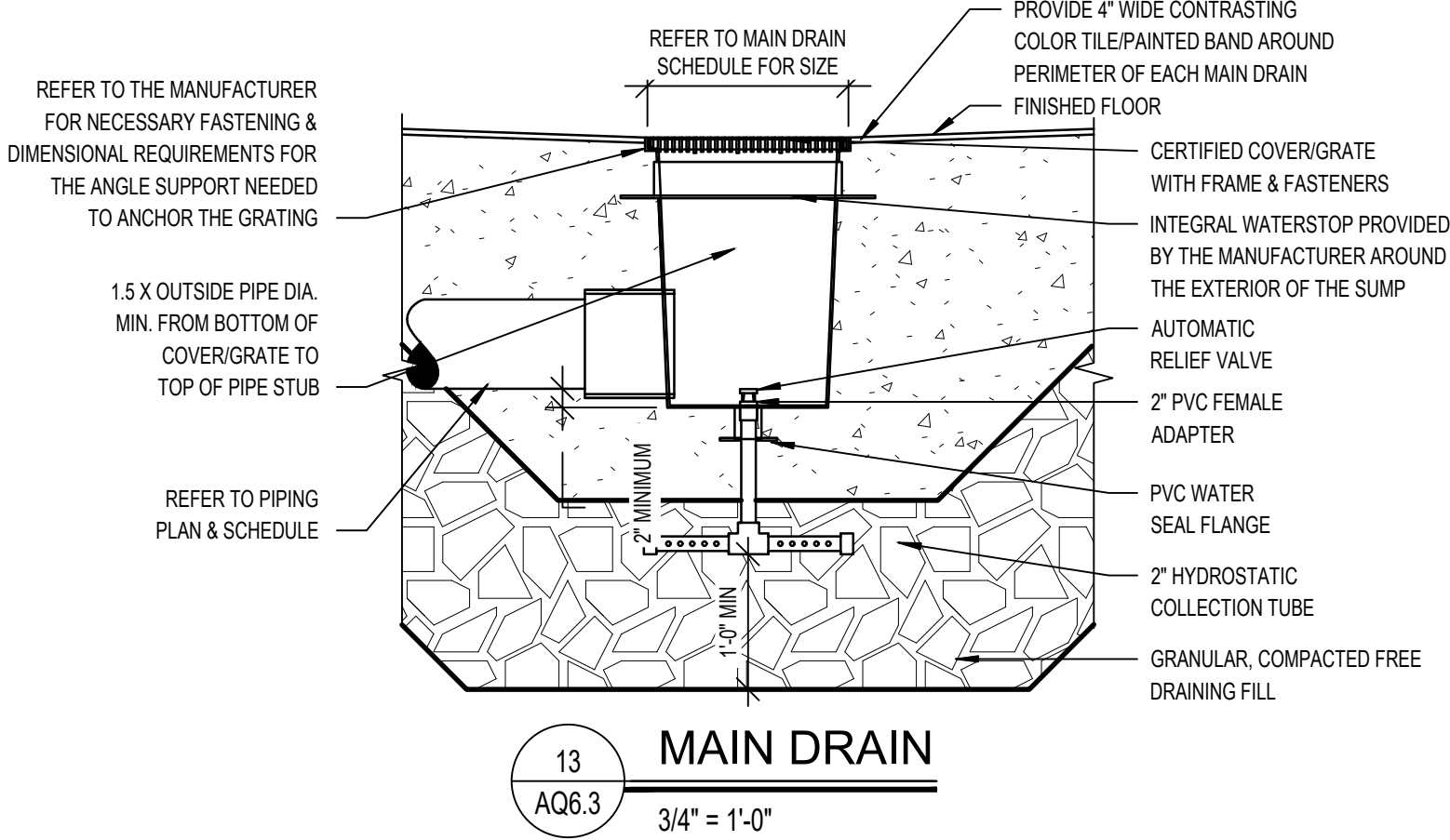
AS NOTED	SCALE
C.J.L. / RWG	DRAWN/CHK

AQ6.2

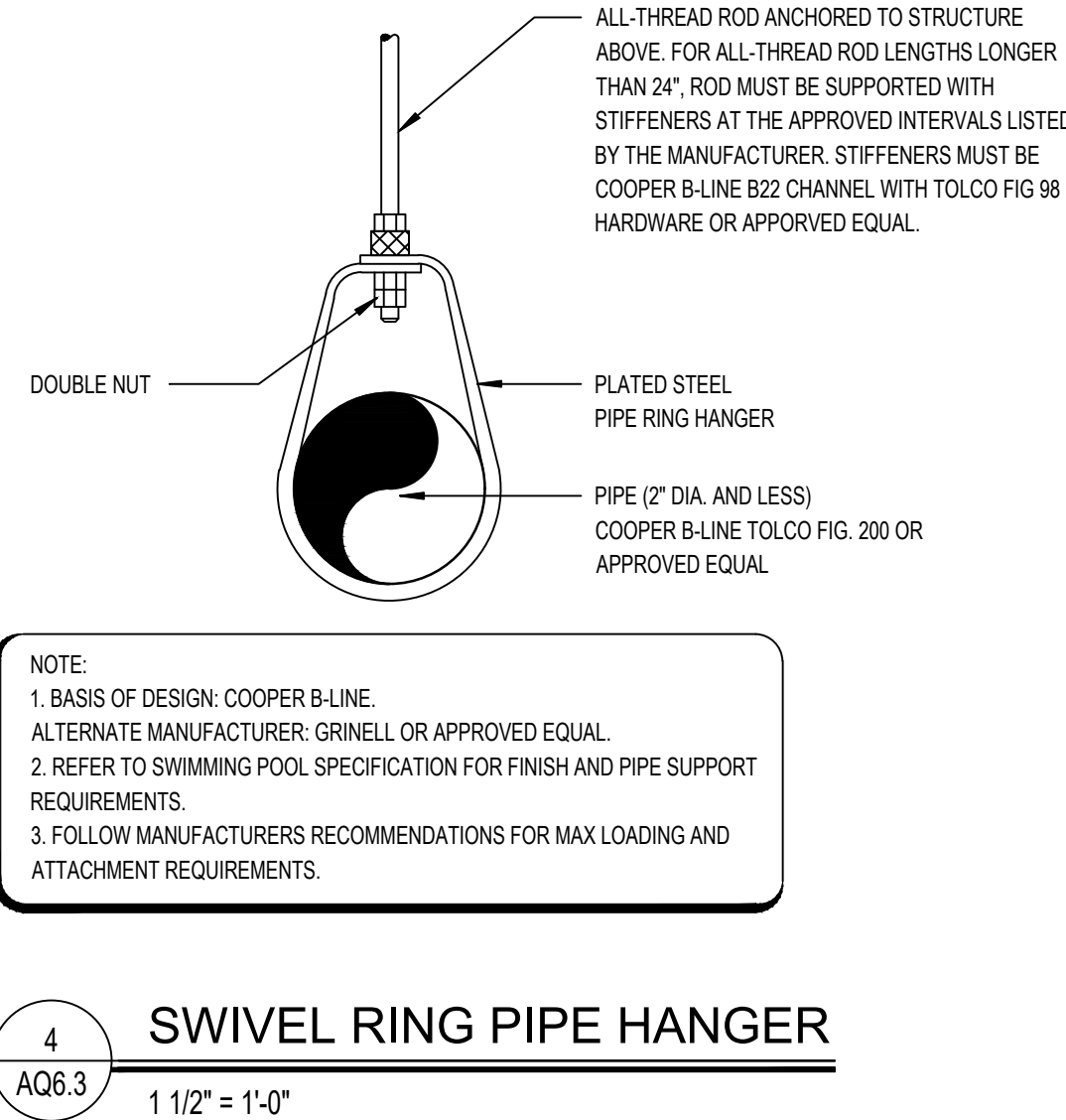
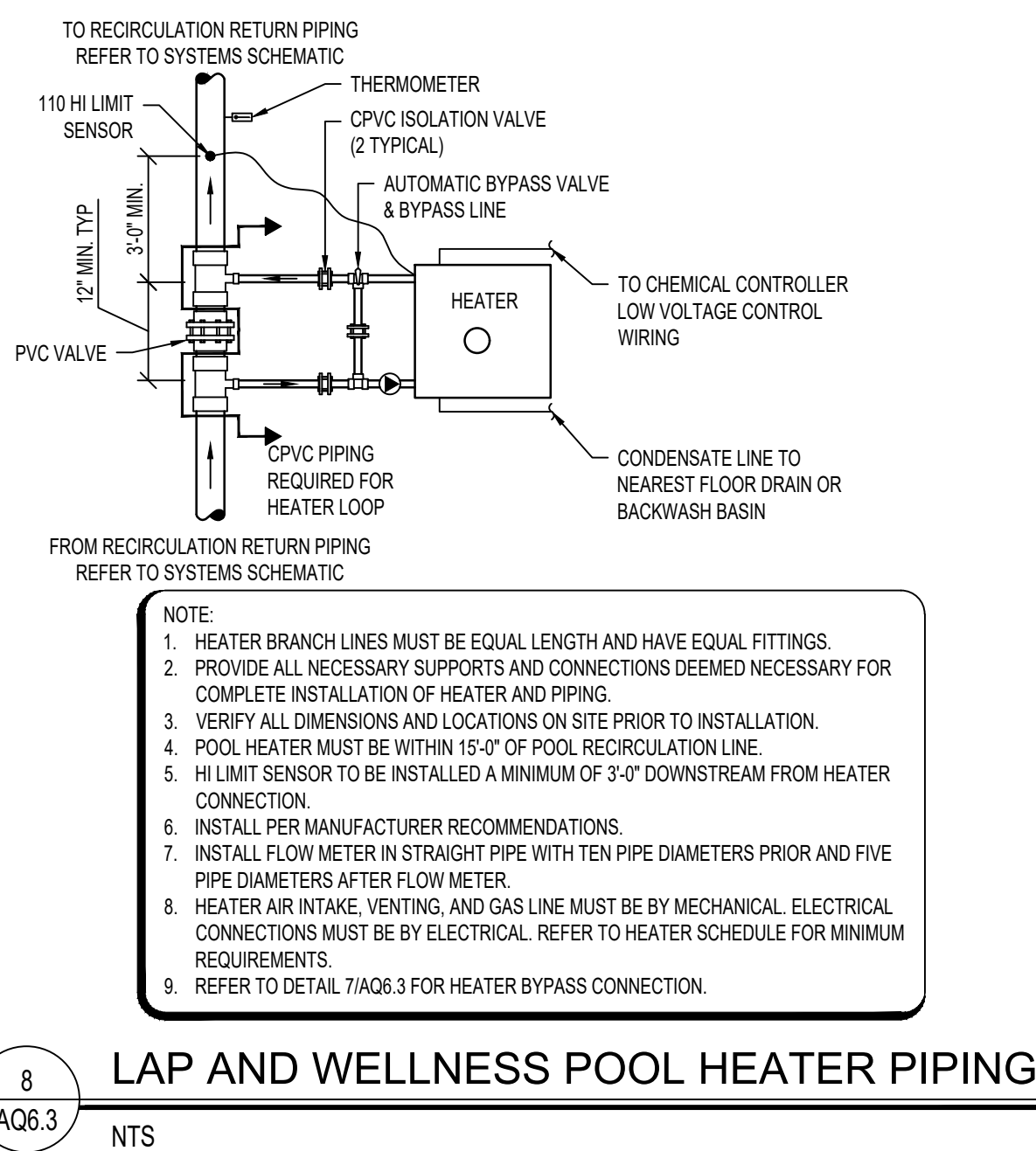
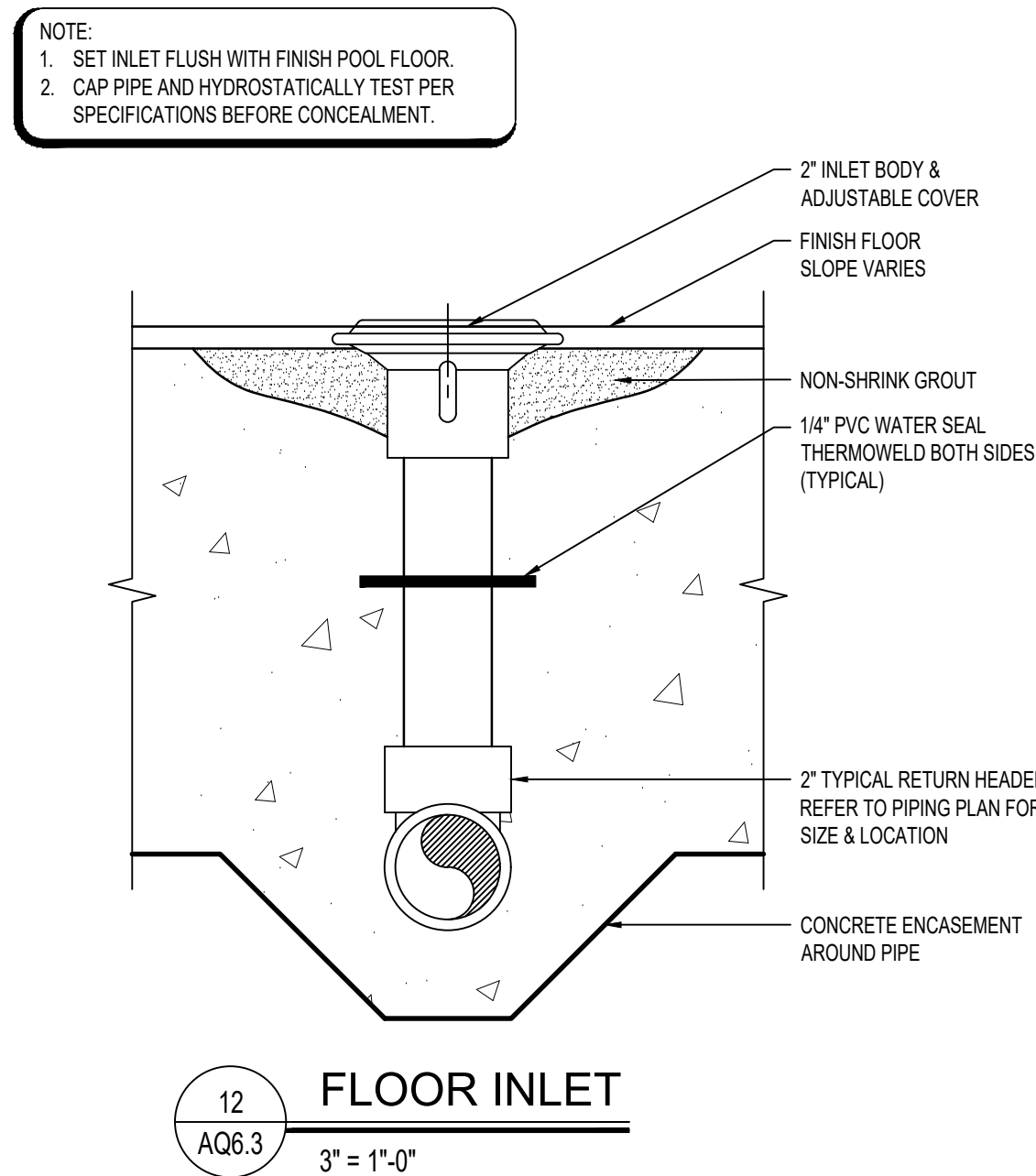
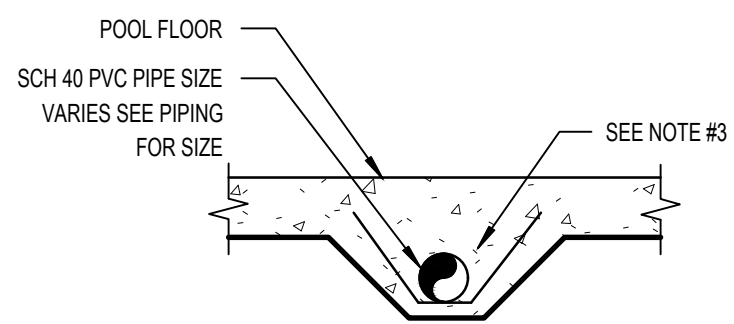
STATE OF LOUISIANA
DARREN THOMAS BEVARD
Professional Engineer
No. 10100
10.15.2025

AQ STUDIOS
ARCHITECTURE

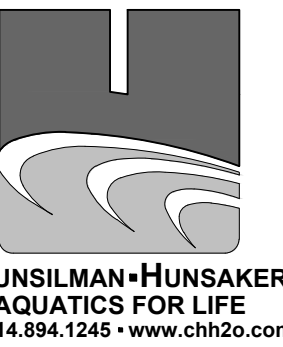
- NOTE:
1. ALL MAIN DRAIN SUMPS MUST BE CONSTRUCTED TO COMPLY WITH THE MOST RECENT EDITION OF VIRGINIA GRAEME BAKER POOL AND SPA SAFETY ACT (VGB) AND ANSI/APSP-16/ICC-16.
2. SUMPS MUST BE ENCASED IN CONCRETE. REFER TO POOL STRUCTURAL FOR CONCRETE THICKNESS AROUND THE PRE-FABRICATED SUMP.
3. THE BOTTOM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



- NOTE:
1. THIS IS A MINIMUM ENCASMENT FOR UNDER POOL PIPING.
2. REFER TO STRUCTURAL FOR ADDITIONAL DETAIL.
3. ENCASMENT MAY BE DONE PRIOR TO THE POUR OF THE POOL FLOOR AND STRUCTURALLY TIED TO THE POOL FLOOR.
4. ALL POOL PIPING NOT LOCATED BENEATH THE POOL FLOOR MUST BE SCHEDULE 80 PVC.



LEGEND



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BID SET 10.15.2025
NO REVISION DATE

TERREBONNE HEALTH AND WELLNESS CENTER PROJECT

855 WESTSIDE BLVD EXTENSION HOUMA, LA 70360

21001 JOB NO

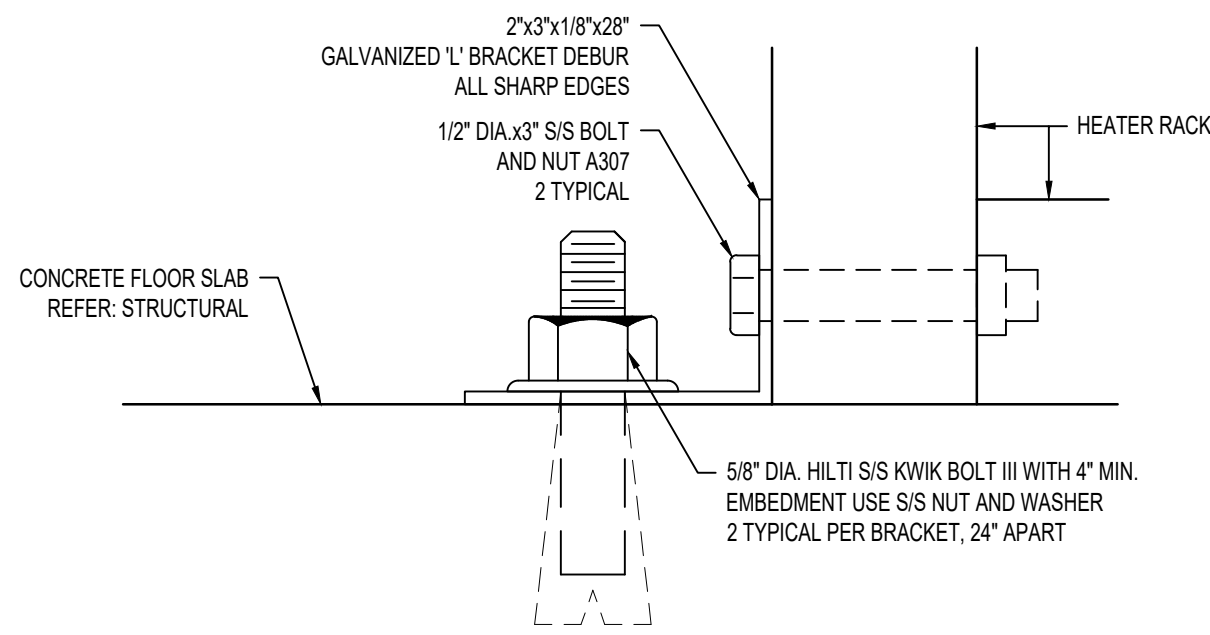
POOL MECHANICAL DETAILS

AS NOTED SCALE

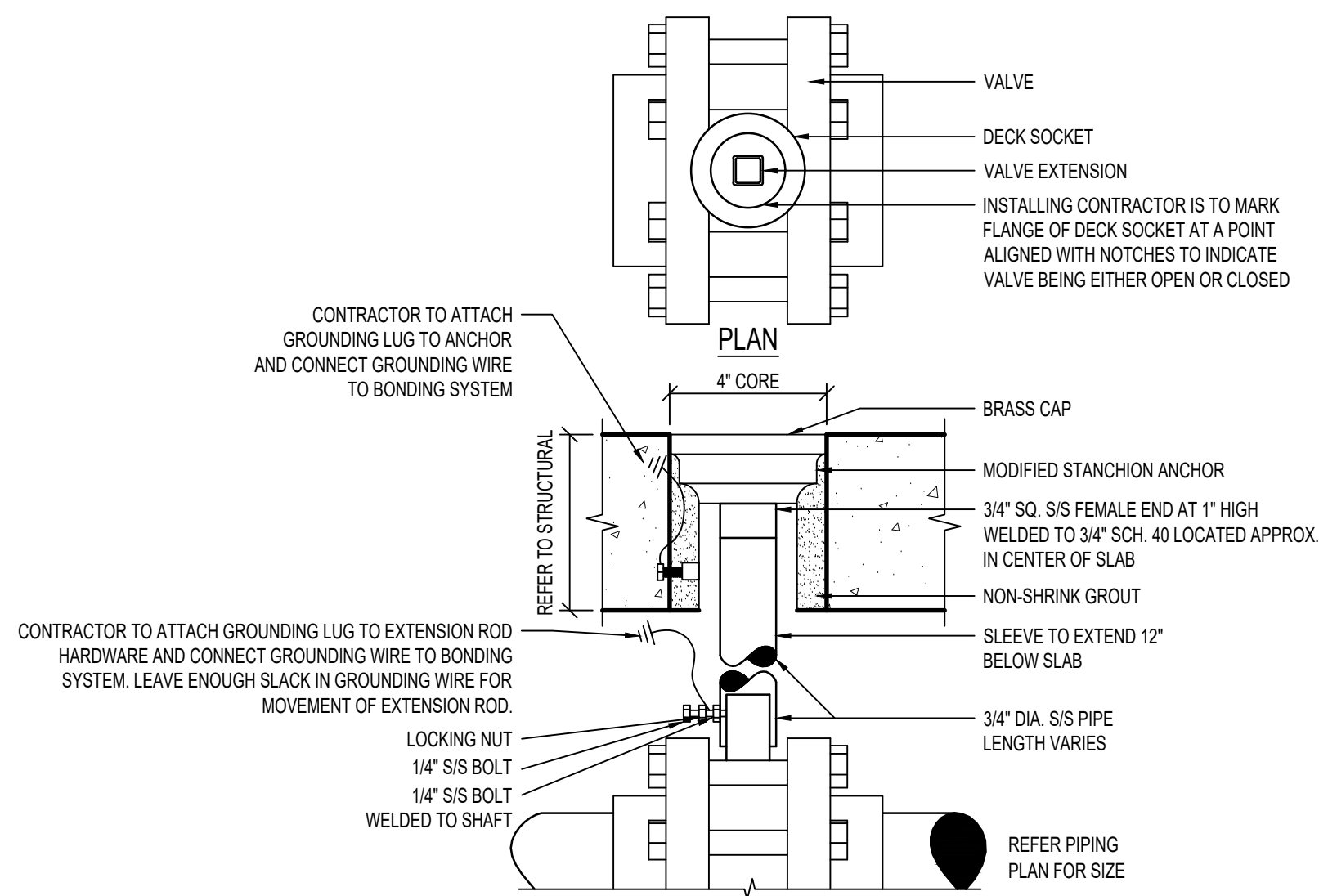
CJL / RWG DRAWN/CHK



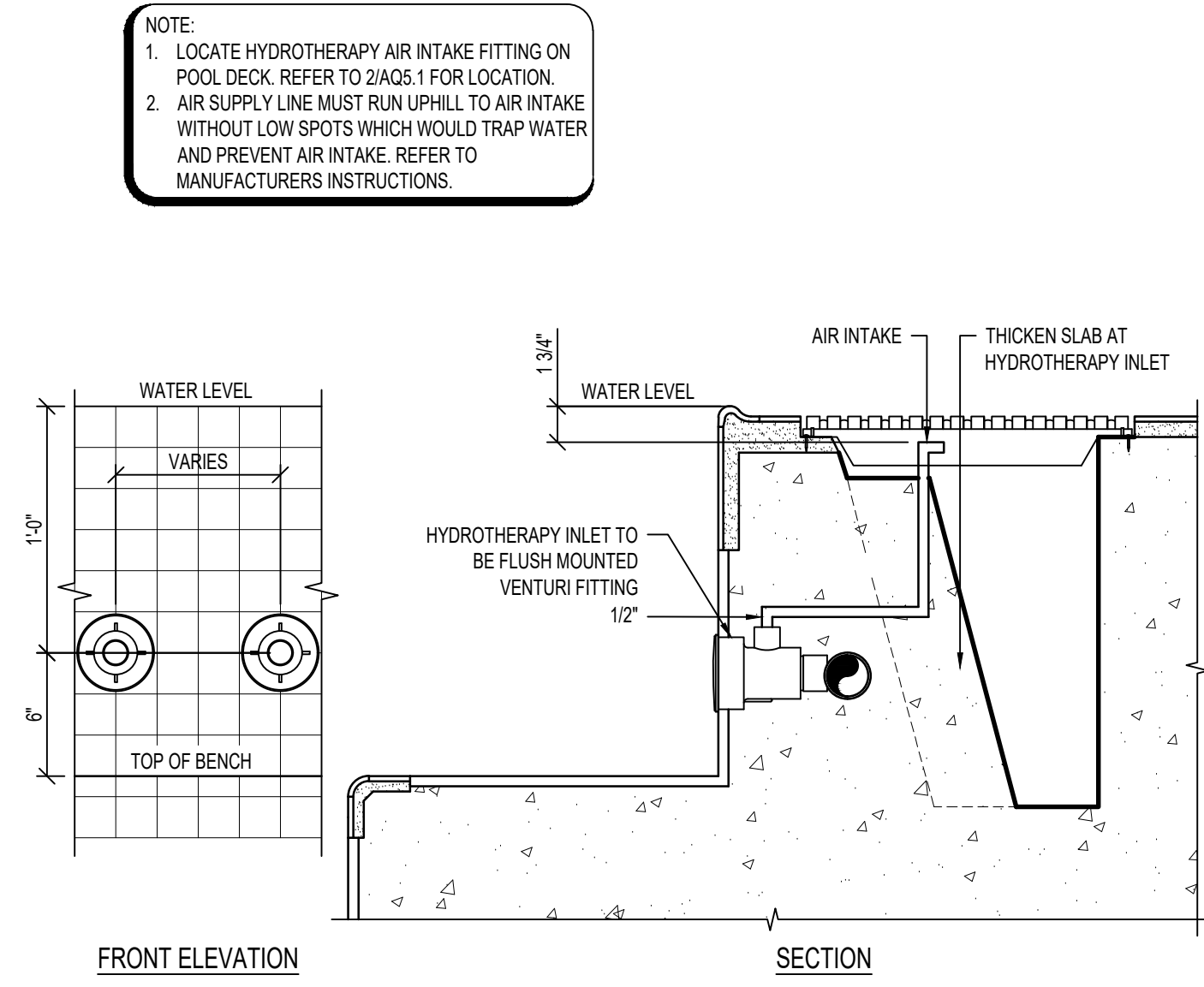
AQ6.3



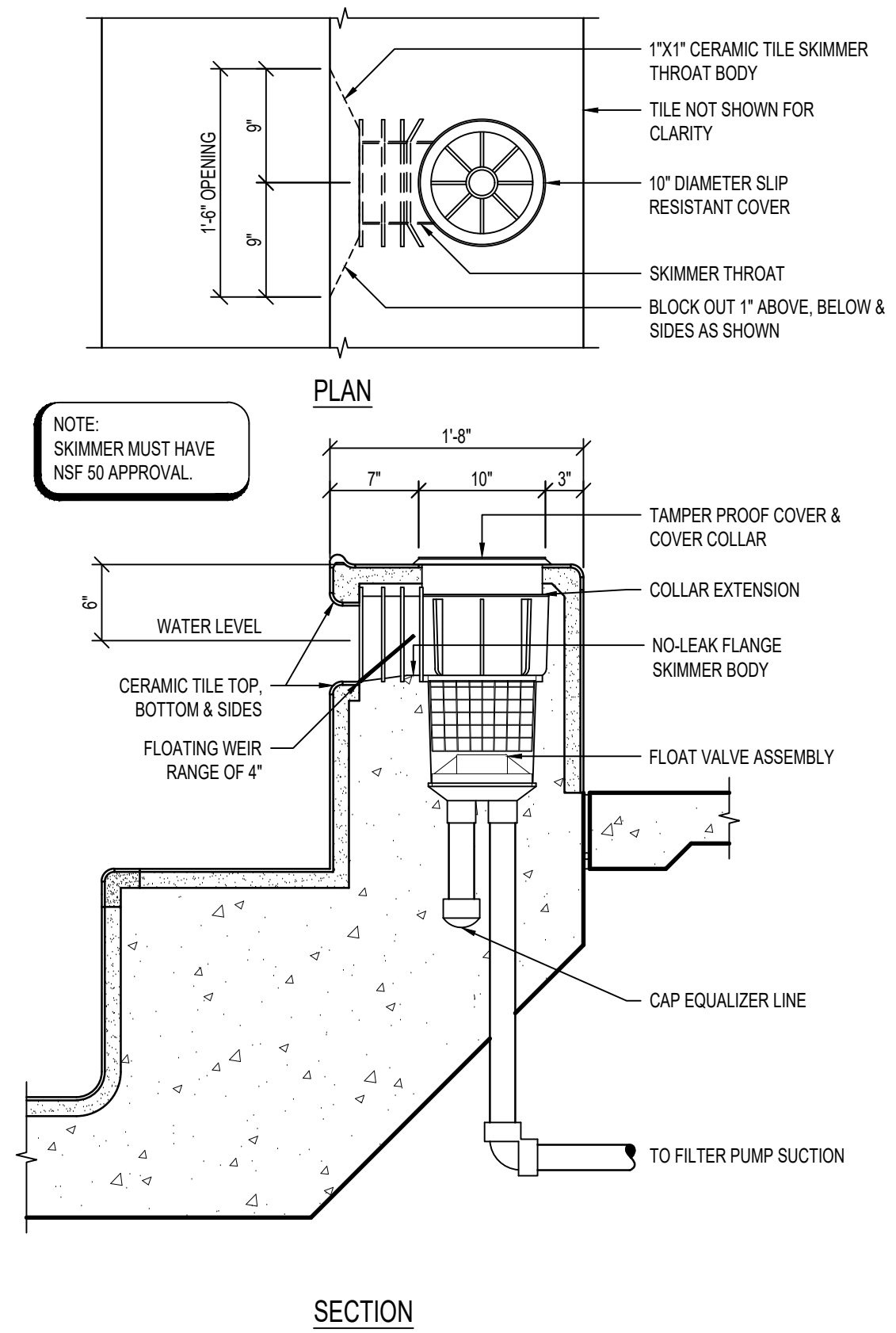
11
AQ6.4
HEATER RACK TO FLOOR ANCHOR
6" = 1'-0"



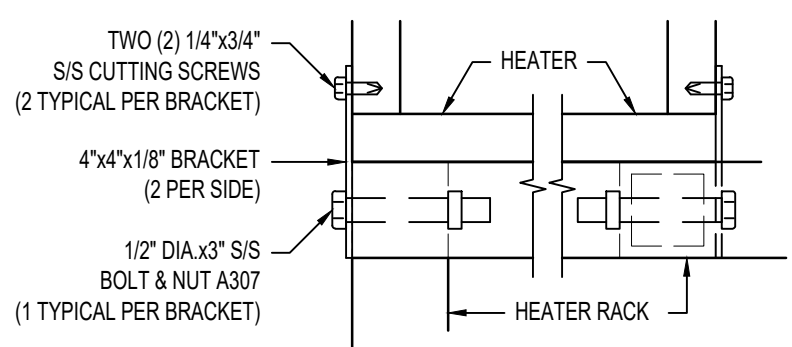
7
AQ6.4
VALVE EXTENSION
3" = 1'-0"



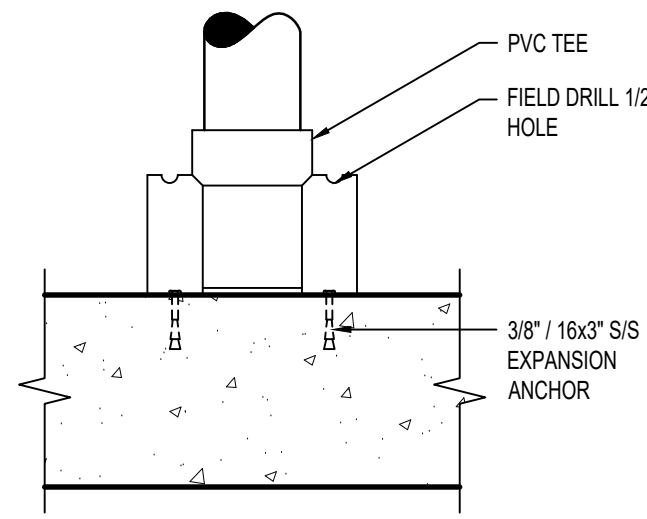
4
AQ6.4
WELLNESS POOL HYDROTHERAPY INLET
1 1/2" = 1'-0"



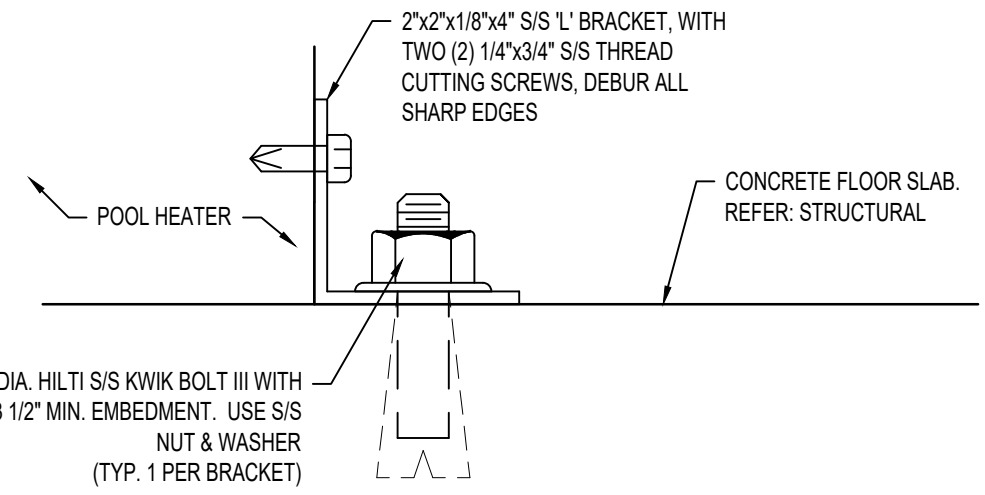
1
AQ6.4
SKIMMER DETAIL
1" = 1'-0"



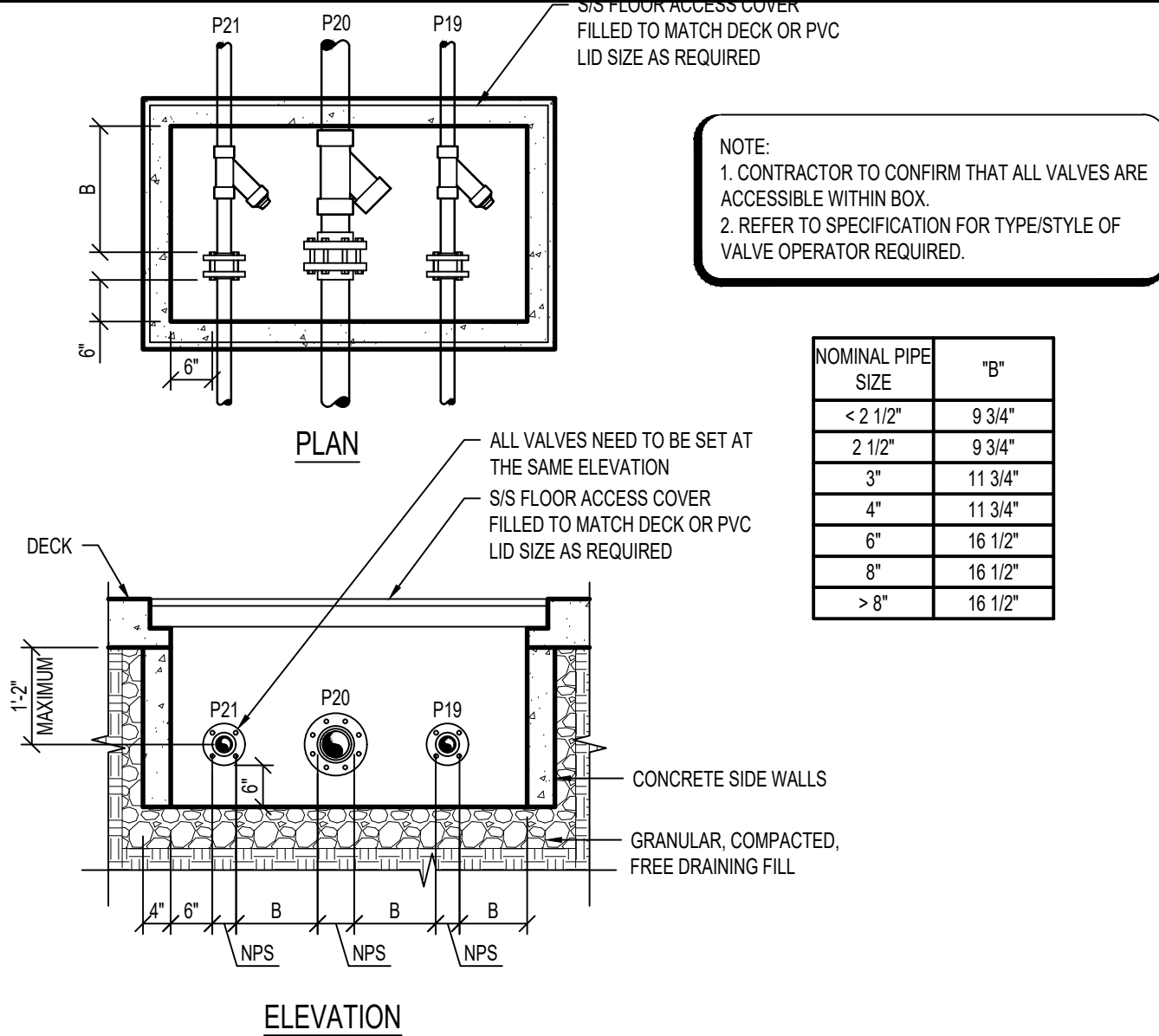
12
AQ6.4
HEATER TO UPPER HEATER RACK ANCHOR
3" = 1'-0"



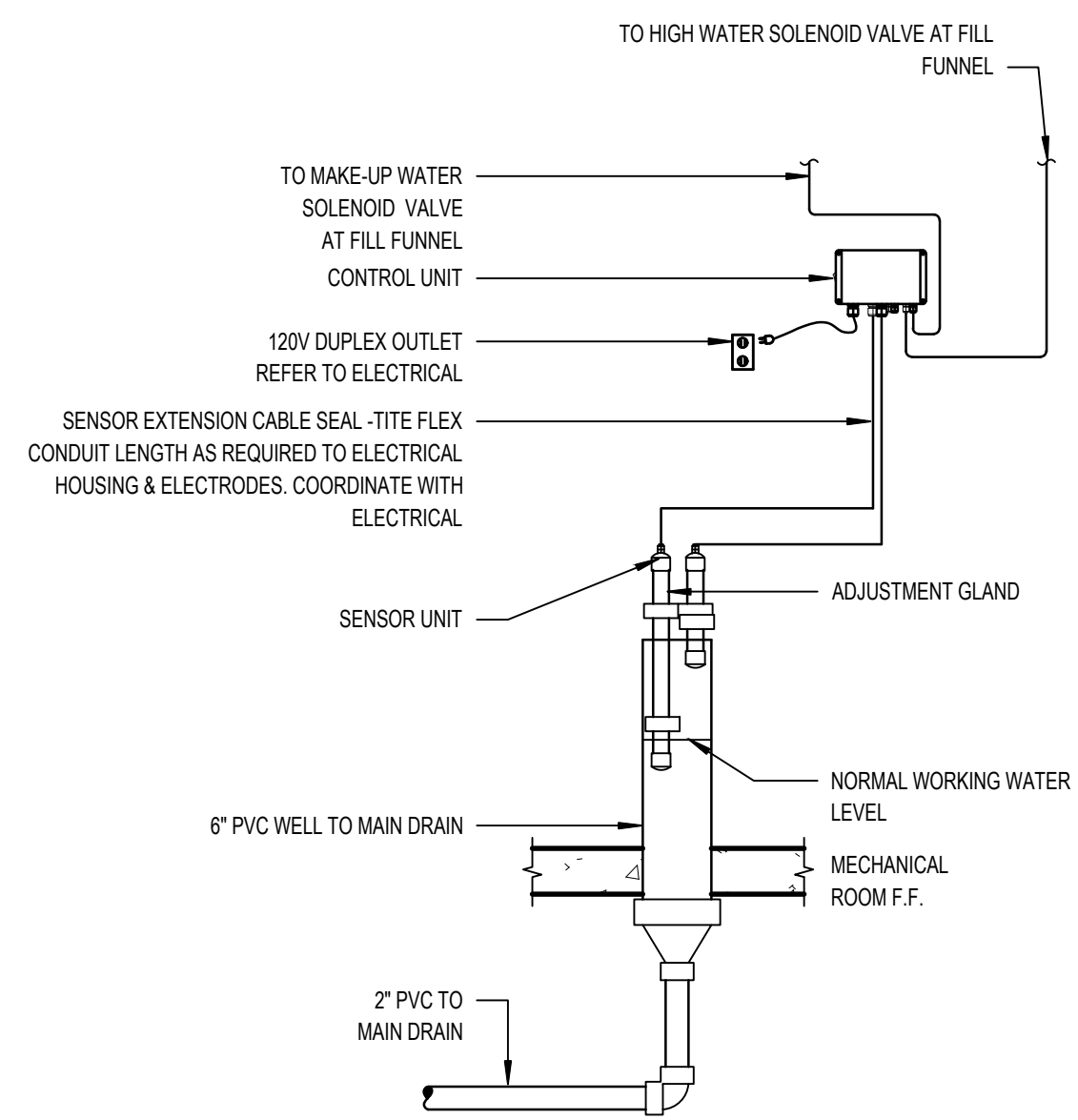
8
AQ6.4
SUPPORT TEE
1" = 1'-0"



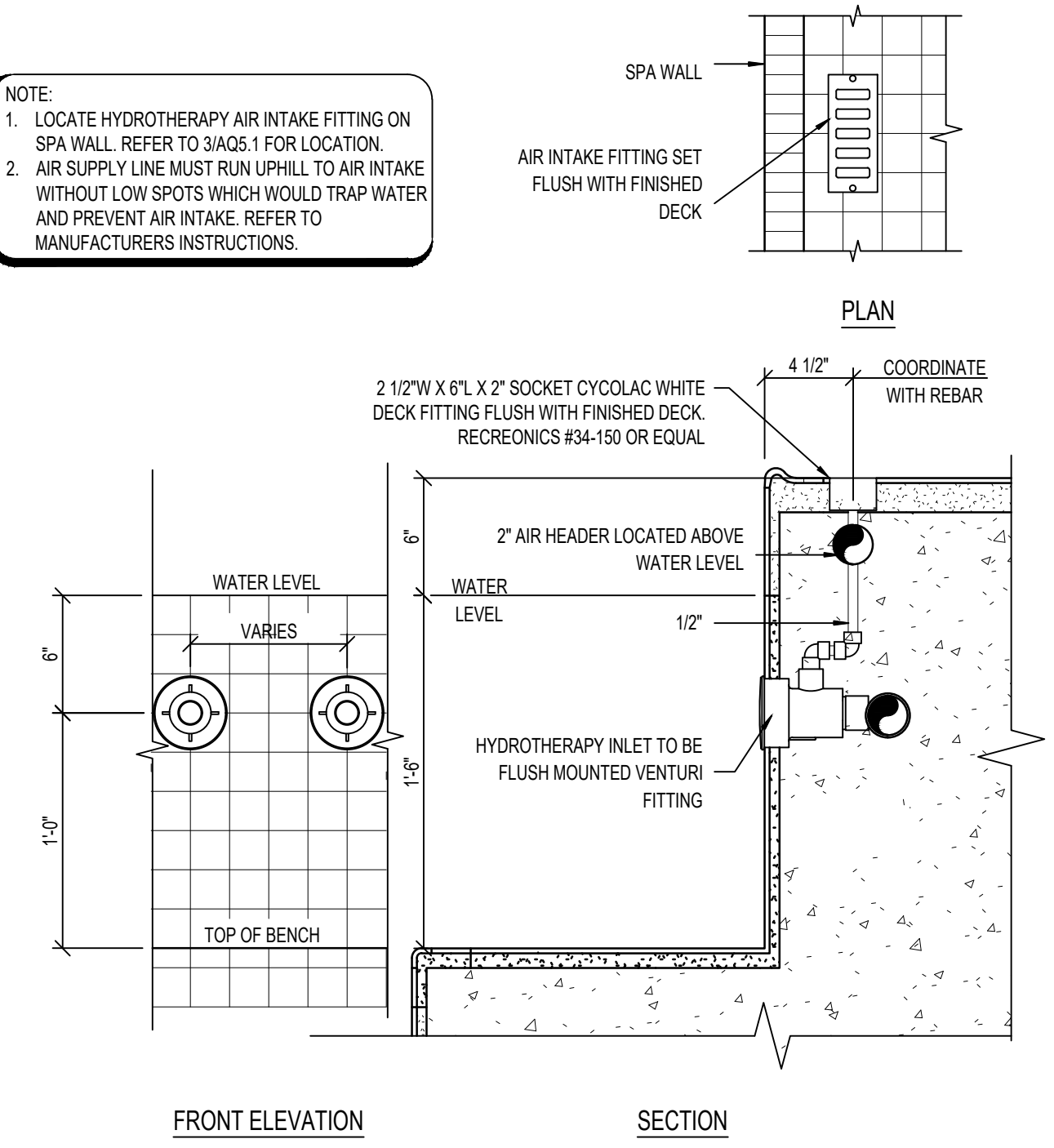
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AQ6.4
HEATER TO FLOOR ANCHOR
6" = 1'-0"



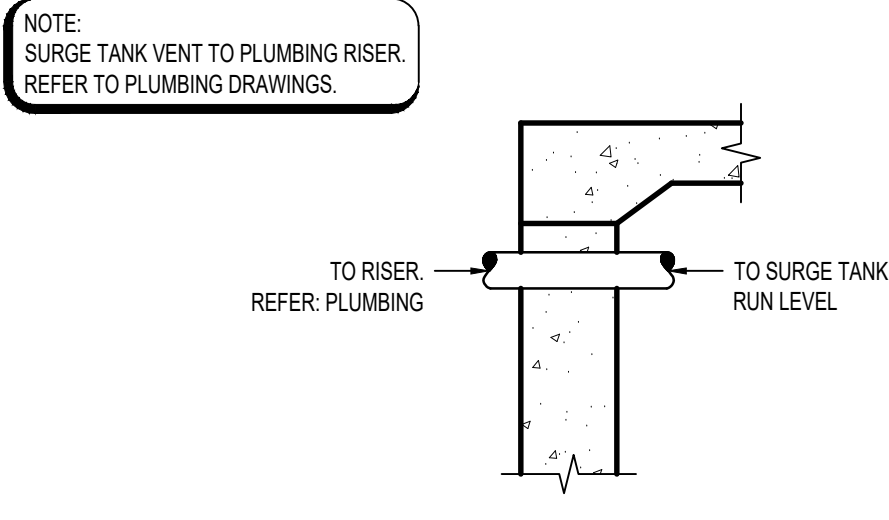
9
AQ6.4
VALVE BOX
1/2" = 1'-0"



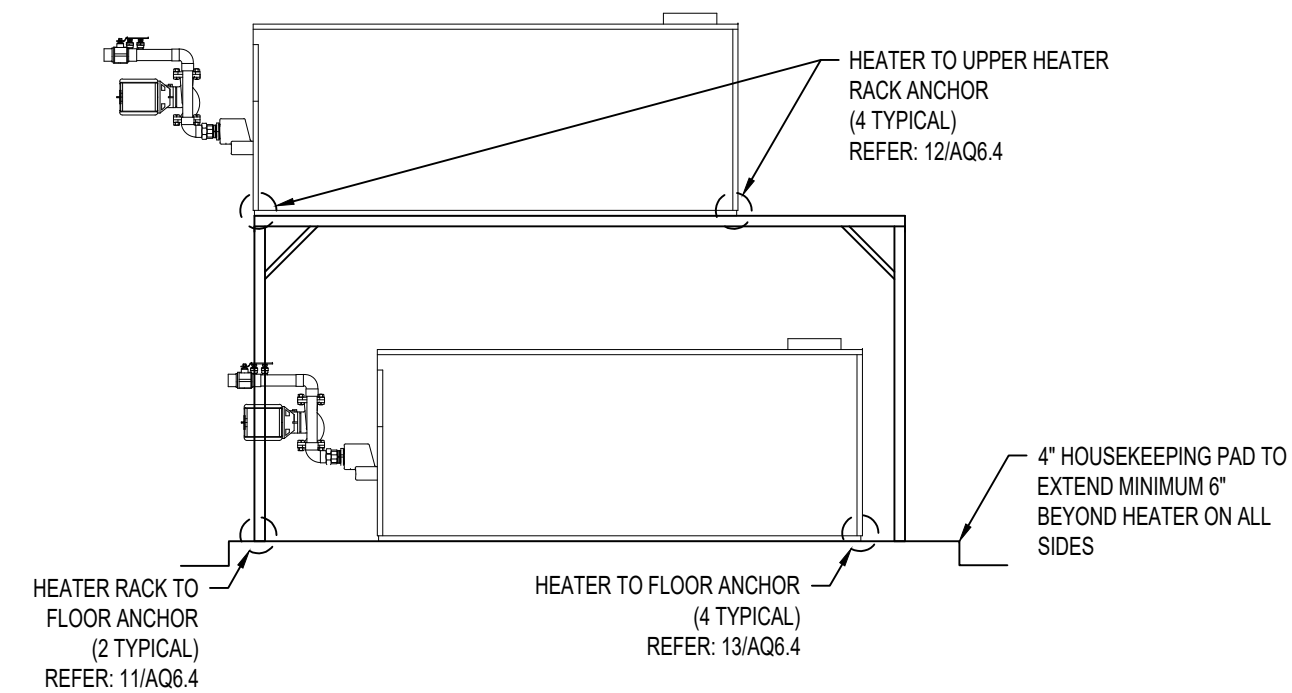
5
AQ6.4
SPA WATER LEVEL CONTROLLER
3/4" = 1'-0"



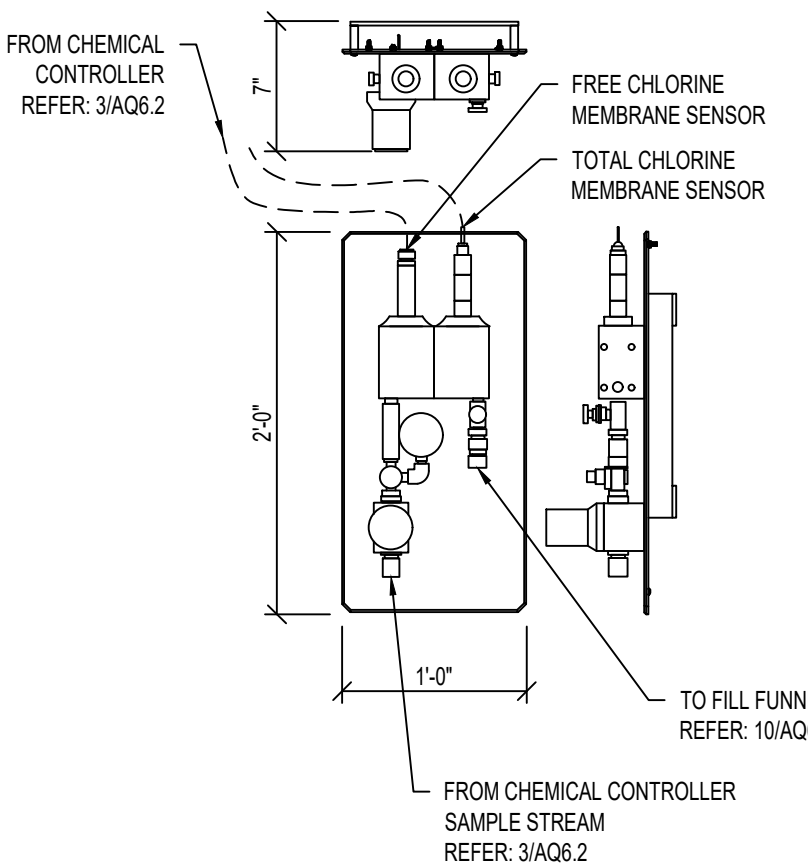
2
AQ6.4
SPA HYDROTHERAPY INLET
1 1/2" = 1'-0"



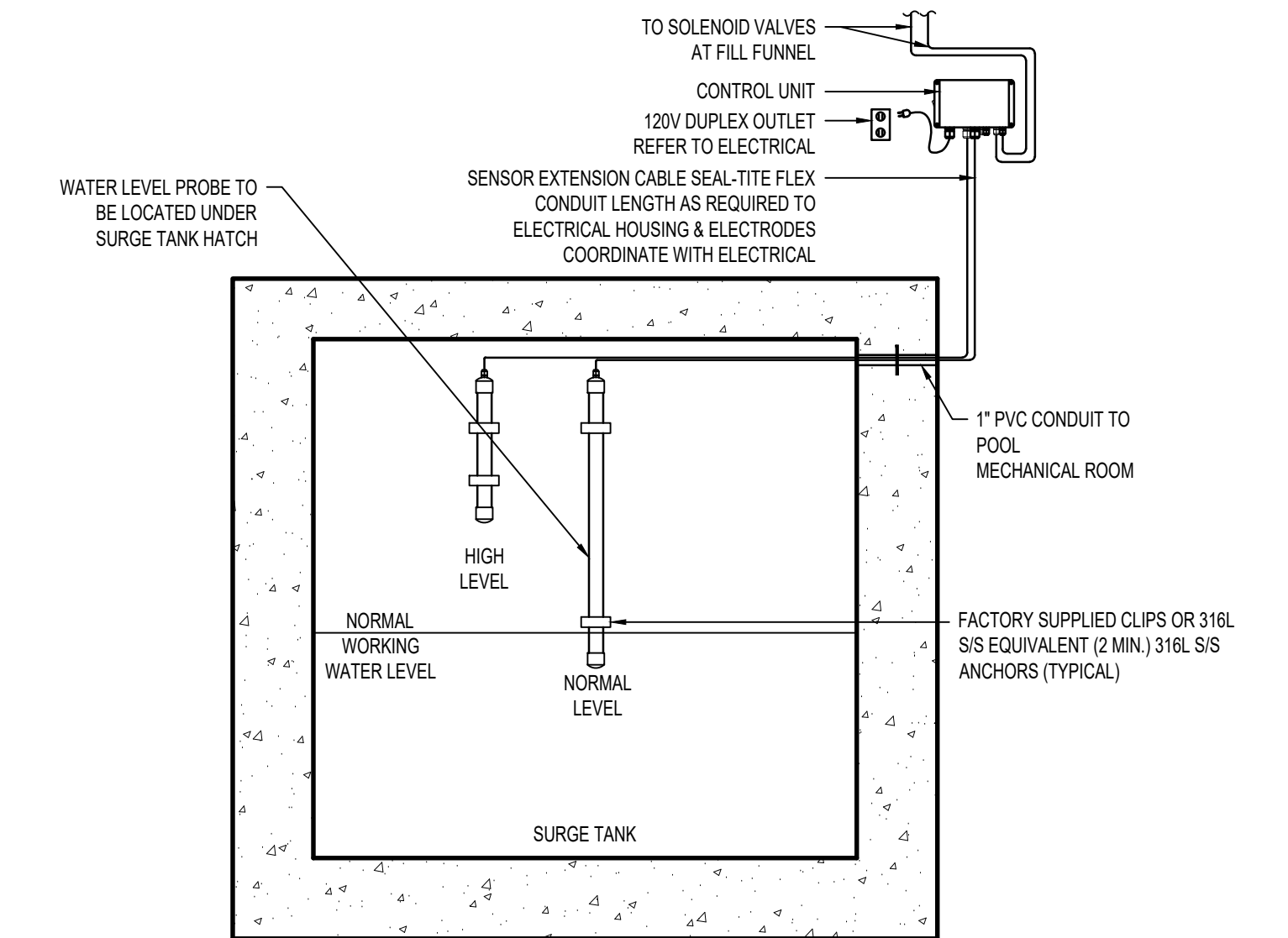
14
AQ6.4
SURGE TANK VENT
3/4" = 1'-0"



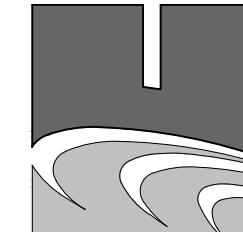
10
AQ6.4
STACKED POOL HEATERS AND RACK ANCHORING
1/4" = 1'-0"



6
AQ6.4
FREE AND TOTAL CHLORINE SENSOR
1" = 1'-0"



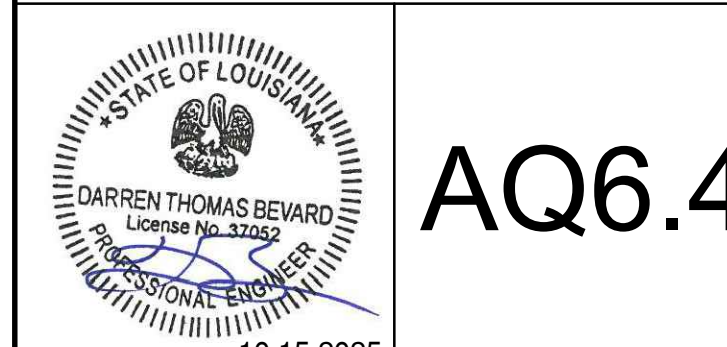
3
AQ6.4
LAP & WELLNESS POOL WATER LEVEL CONTROLLER
3/4" = 1'-0"



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BY: _____
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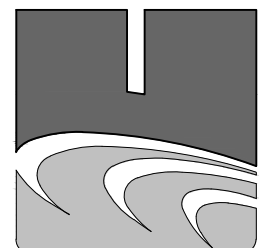
BID SET		10.15.2025
NO	REVISION	DATE
TERREBONNE HEALTH AND WELLNESS CENTER		PROJECT
855 WESTSIDE BLVD EXTENSION HOUMA, LA 70360		
21001	JOB NO	

POOL MECHANICAL DETAILS	SCALE
AS NOTED	
CJL / RWG	DRAWN/CHK

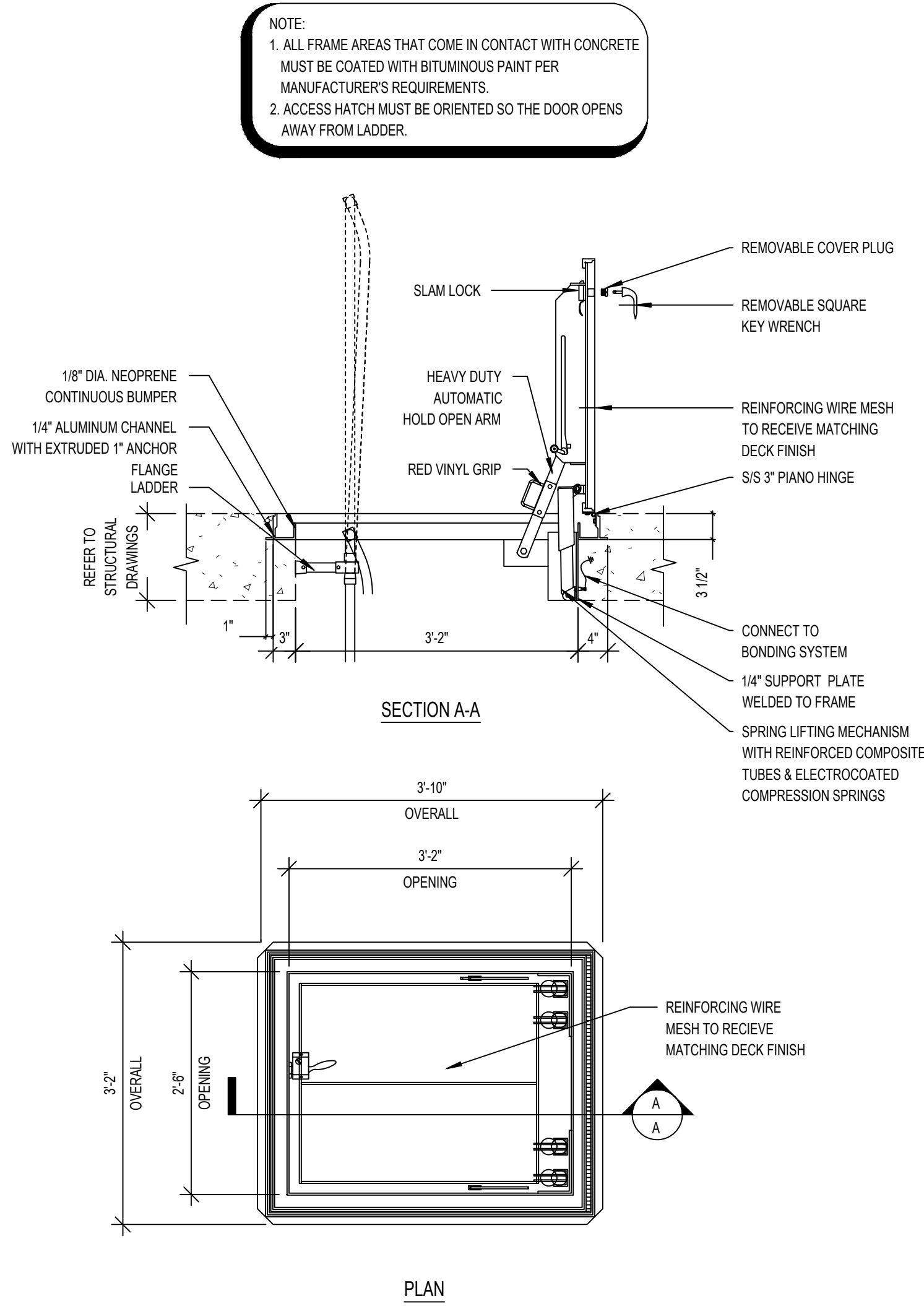


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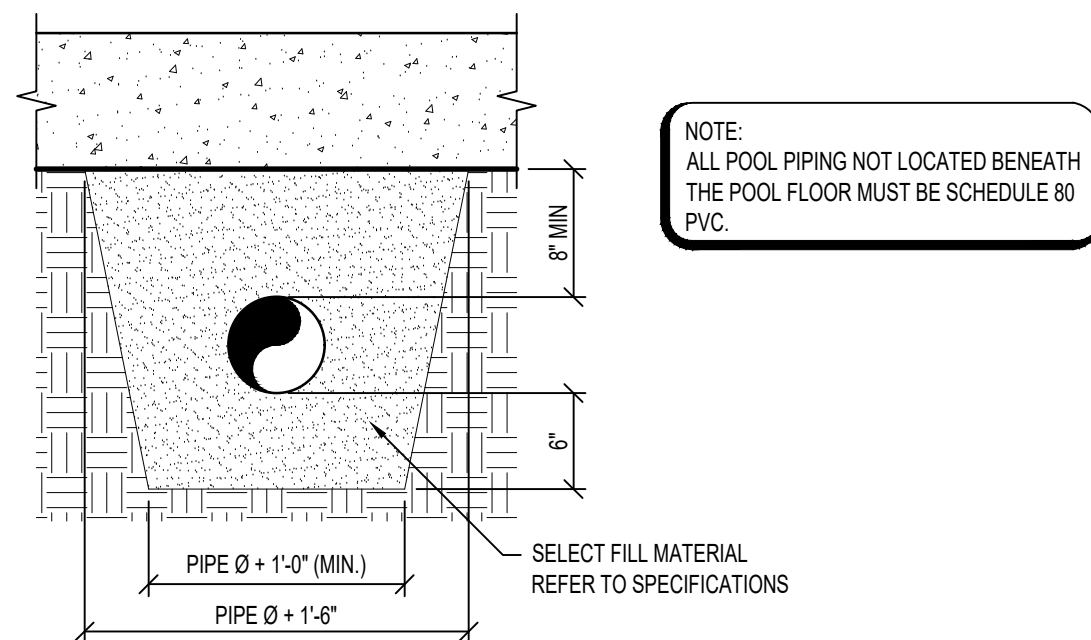
LEGEND



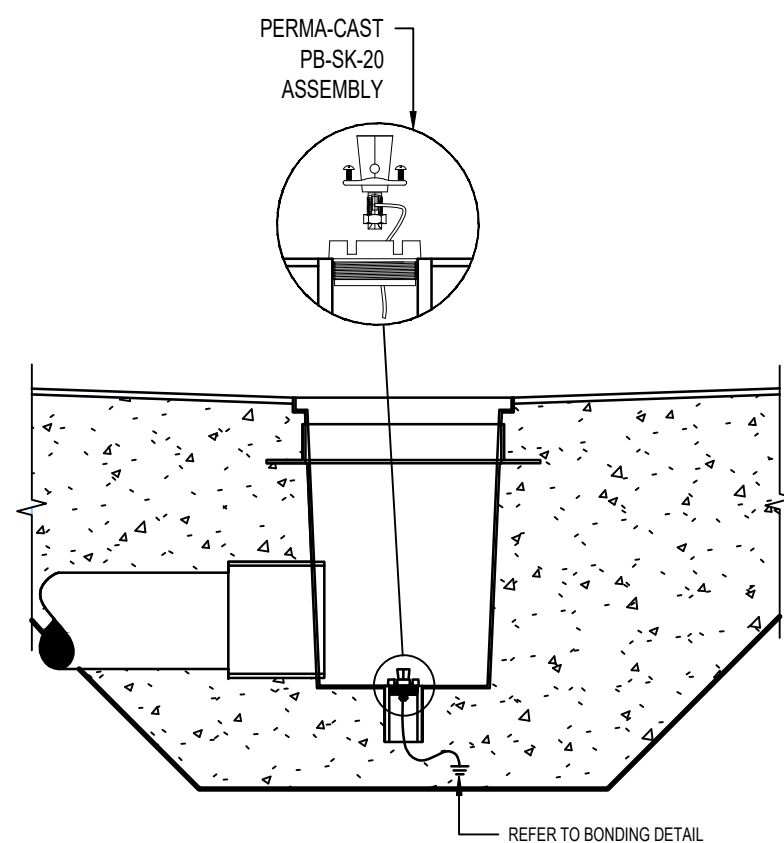
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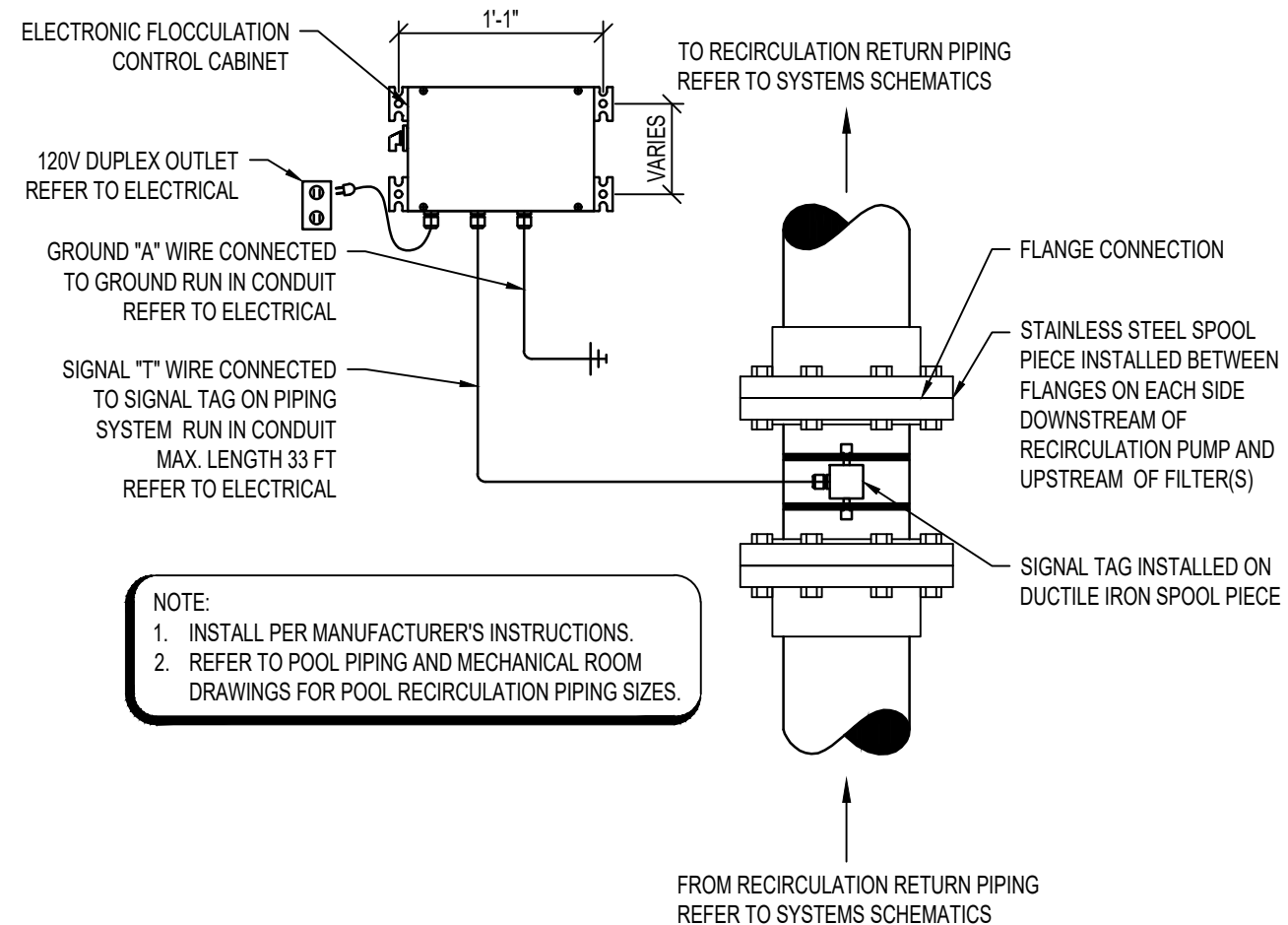
5 **SURGE TANK ACCESS HATCH**
3/4" = 1'-0"



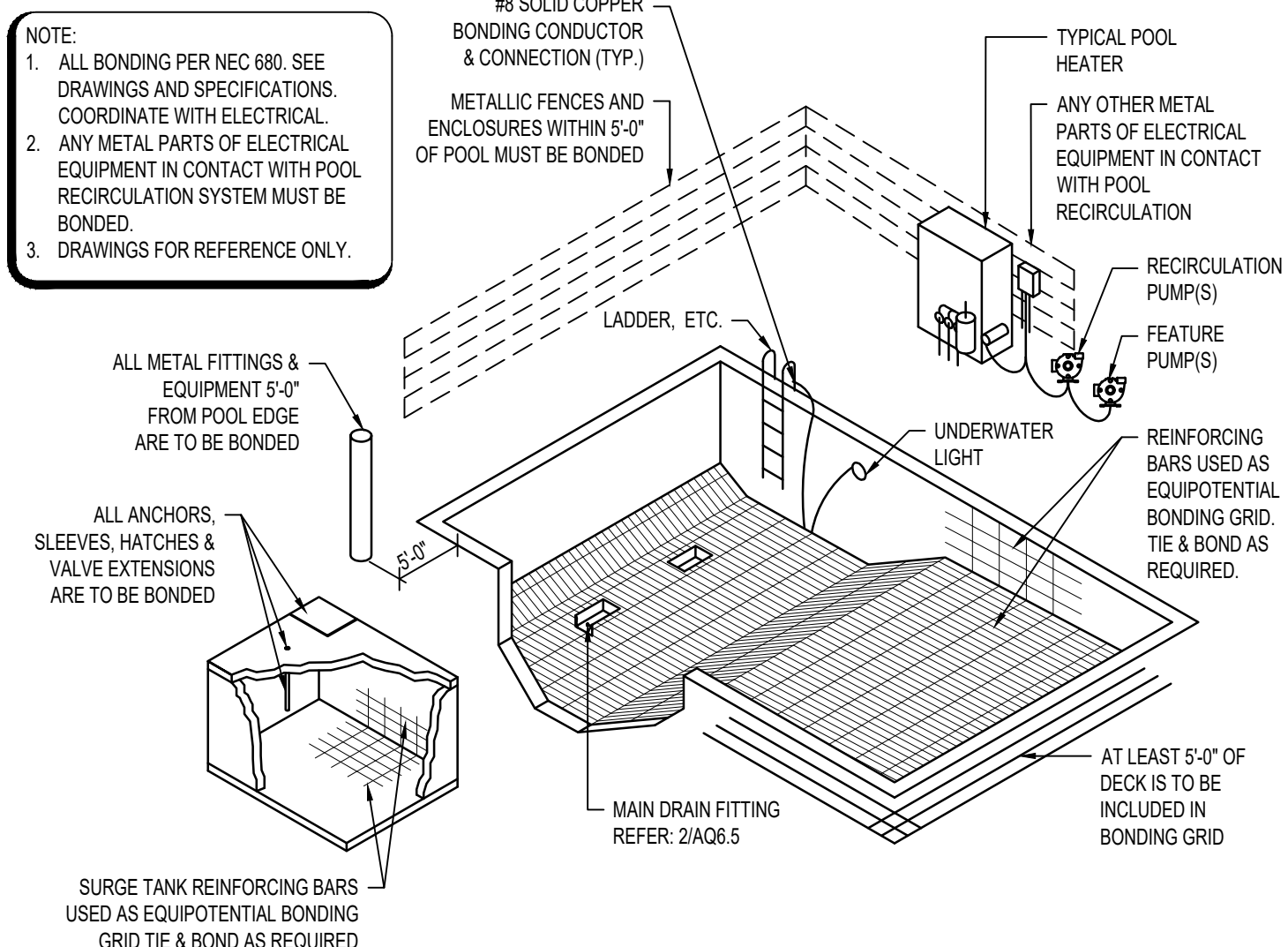
1 **BELOW GRADE PIPING**
1" = 1'-0"



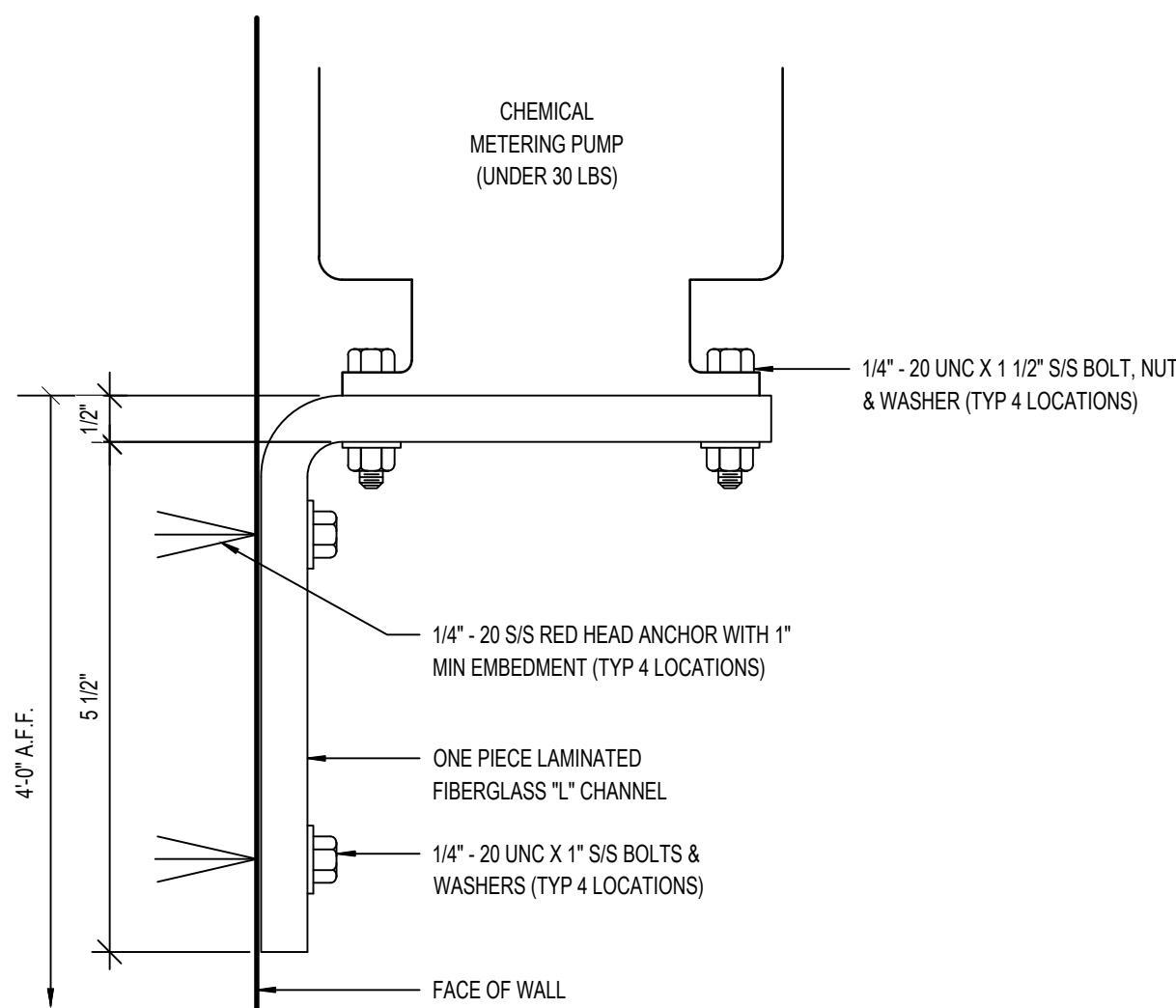
2 **MAIN DRAIN BONDING**
3/4" = 1'-0"



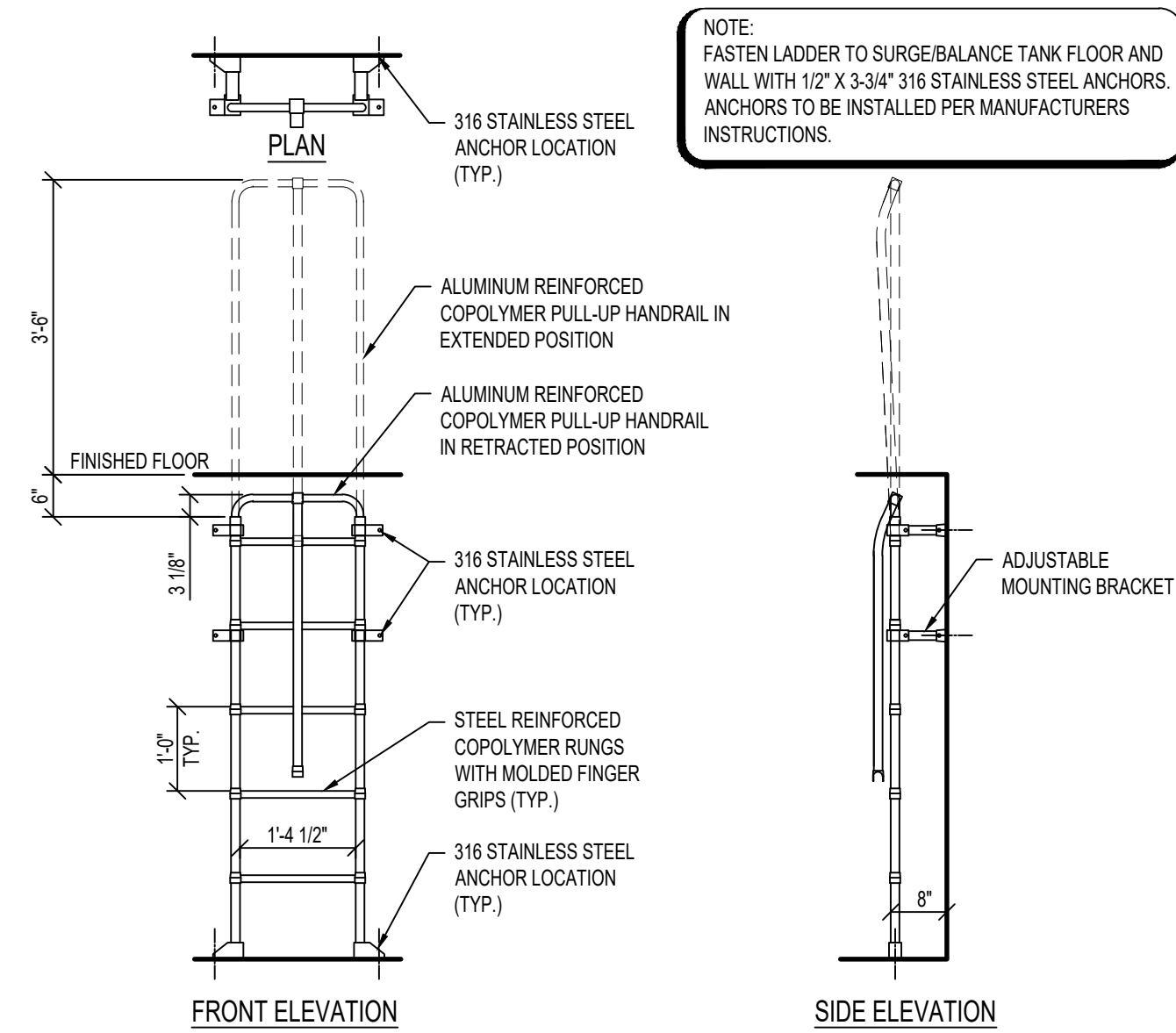
6 **ELECTRONIC FLOCCULATION SYSTEM**
1" = 1'-0"



3 **TYPICAL POOL BONDING**
NTS



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



4 **SURGE TANK LADDER**
1/2" = 1'-0"

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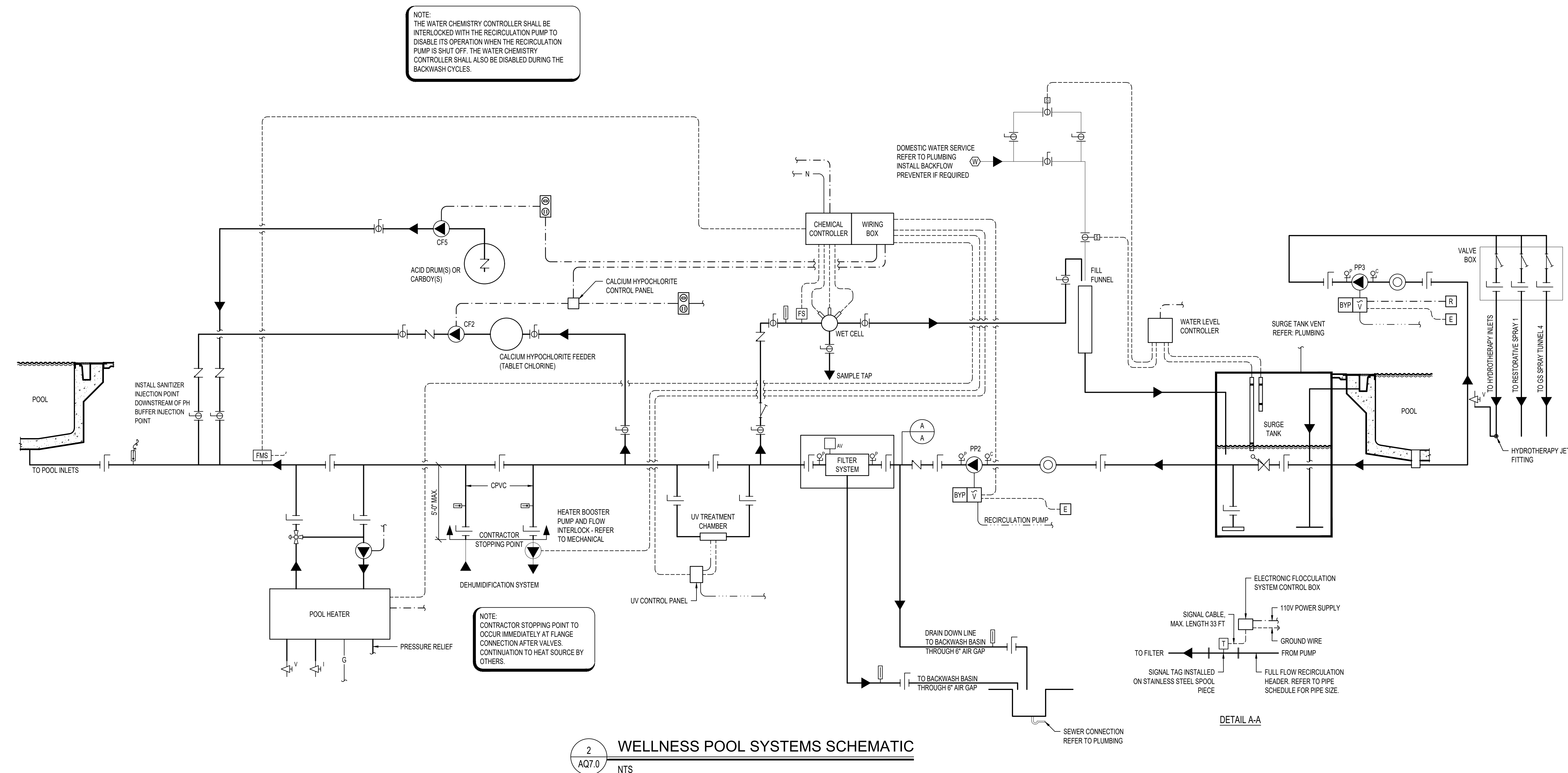
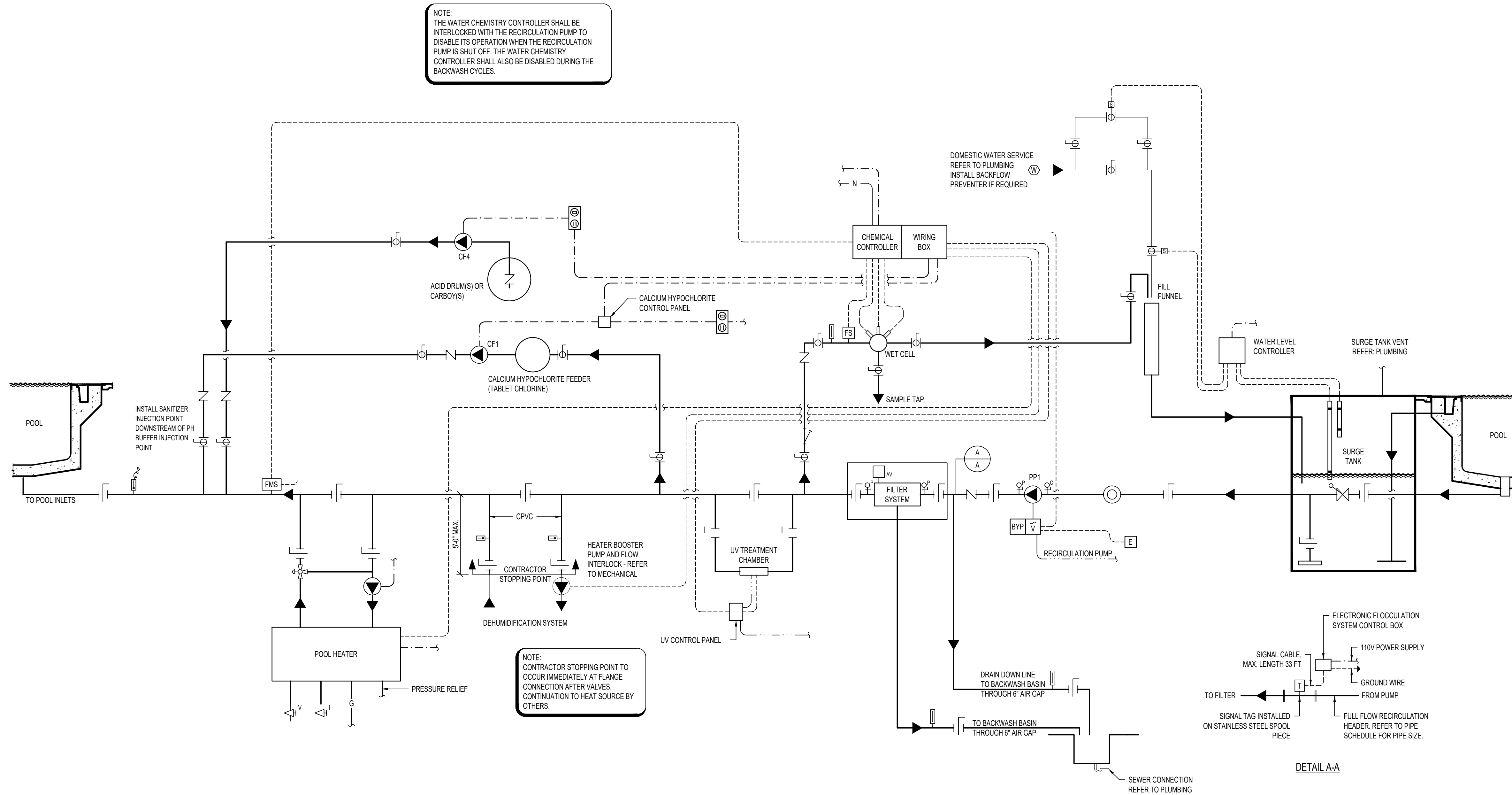
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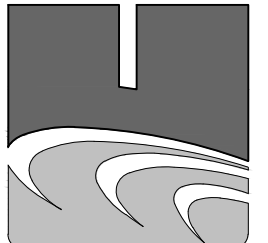
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NO	REVISION	DATE
TERREBONNE HEALTH AND WELLNESS CENTER		PROJECT
855 WESTSIDE BLVD EXTENSION HOUMA, LA 70360		
21001	JOB NO	

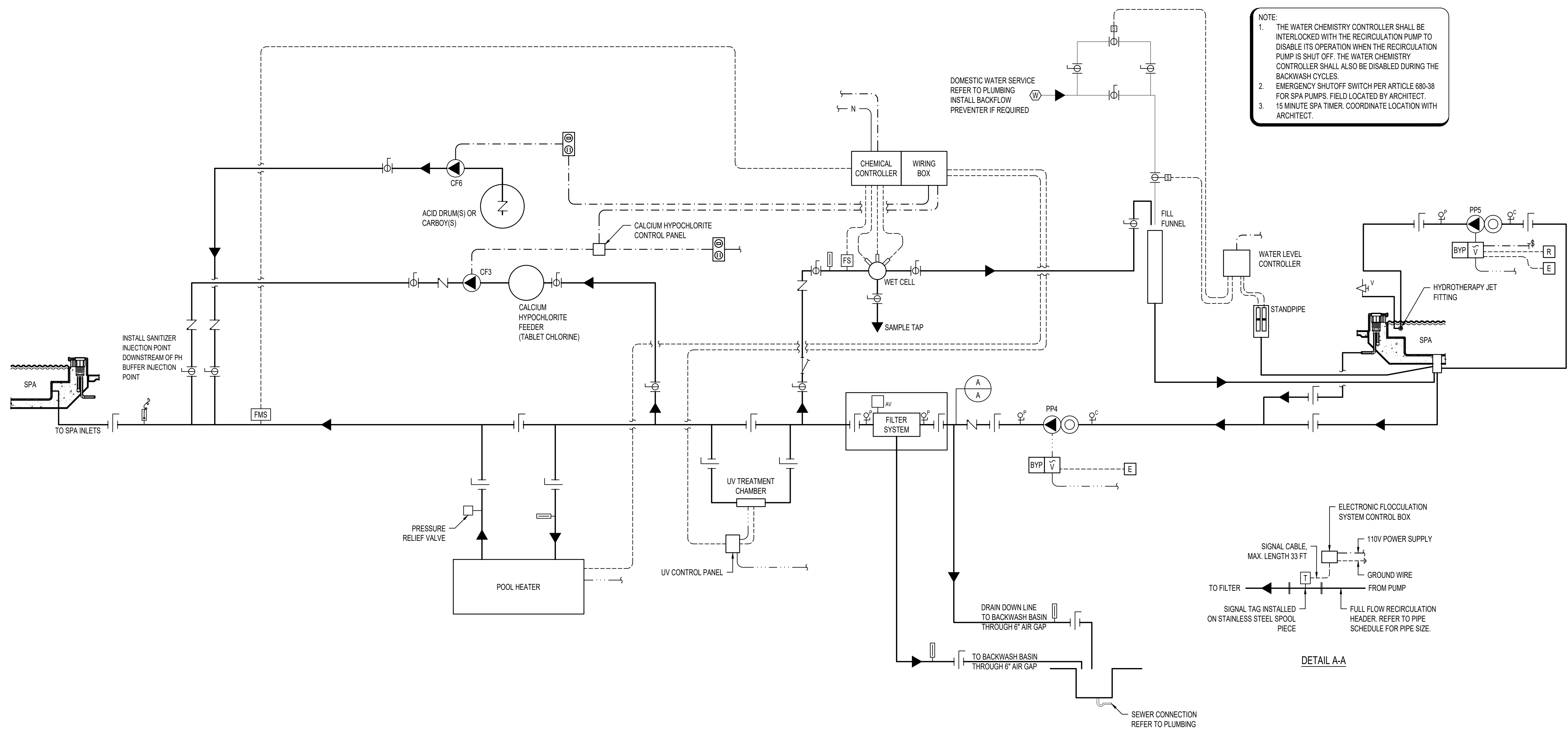
POOL MECHANICAL DETAILS	SCALE
AS NOTED	
CJL / RWG	DRAWN/CHK



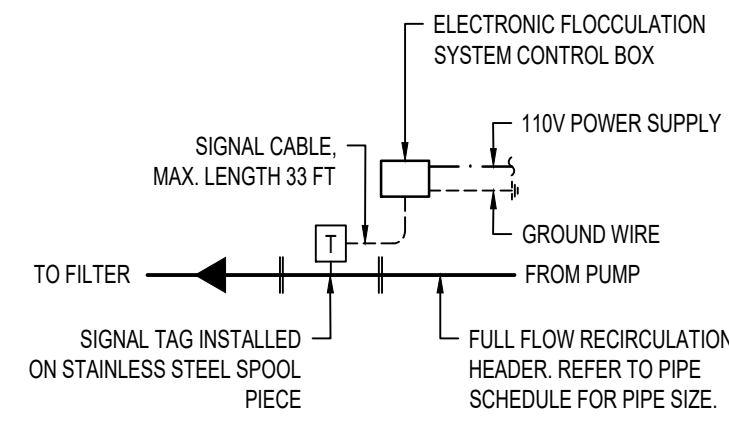


SCHEMATIC LEGEND	
LEGEND	ITEM
	FLOW DIRECTION
	BUTTERFLY VALVE
	BALL VALVE
	MODULATING FLOAT VALVE
	SOLENOID VALVE
	CHECK VALVE
	THREE WAY VALVE
	PUMP
	HAIR AND LINT STRAINER
	"Y" STRAINER
	FLOW METER SENSOR
	FLOW SWITCH
	IMPACT FLOW METER
	VENTURI FLOW METER
	WATER METER
	AUTOMATIC AIR VENT
	AIR VENT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





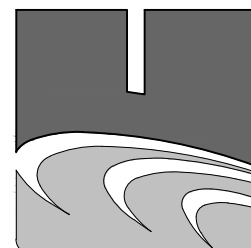
NOTE:
1. THE WATER CHEMISTRY CONTROLLER SHALL BE INTERLOCKED WITH THE RECIRCULATION PUMP TO DISABLE ITS OPERATION WHEN THE RECIRCULATION PUMP IS SHUT OFF. THE WATER CHEMISTRY CONTROLLER SHALL ALSO BE DISABLED DURING THE BACKWASH CYCLES.
2. EMERGENCY SHUTOFF SWITCH PER ARTICLE 690-38 FOR SPA PUMPS, FIELD LOCATED BY ARCHITECT.
3. 15 MINUTE SPA TIMER, COORDINATE LOCATION WITH ARCHITECT.



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



LEGEND



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THESE PLANS WERE PREPARED IN THIS OFFICE UNDER OUR PERSONAL SUPERVISION, AND TO THE BEST OF OUR KNOWLEDGE COMPLY WITH STATE AND LOCAL CODES. WE WILL GENERALLY ADMINISTER CONSTRUCTION.

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BID SET 10.15.2025

NO REVISION DATE

TERREBONNE HEALTH AND PROJECT

WELLNESS CENTER

855 WESTSIDE BLVD EXTENSION

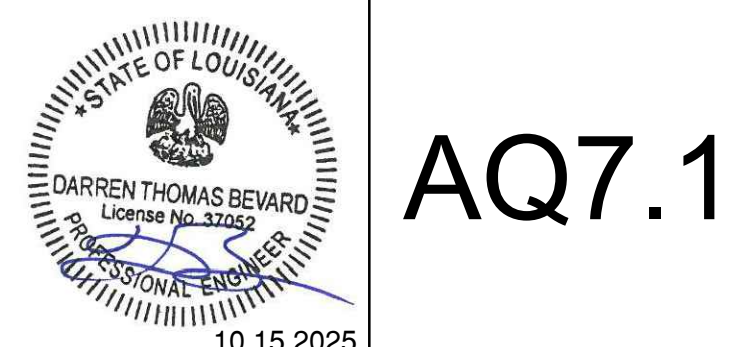
HOUMA, LA 70360

21001 JOB NO

SPA SYSTEMS SCHEMATIC

AS NOTED SCALE

CJL / RWG DRAWN/CHK



AQ7.1

