

1. SEE SPA PLUMBING DRAWINGS FOR RETURN INLET LOCATIONS.
2. DIMENSIONS FOR DEPTH MARKERS ARE IDENTICAL FOR BOTH SIDES OF THE POOL UNLESS OTHERWISE NOTED.
3. PROVIDE SAFETY SIGNAGE PER SPECIFICATIONS.
4. LOCATIONS OF STANCHION POST SOCKETS TO BE IDENTICAL ON OPPOSITE SIDES OF POOL EXCEPT WHERE NOTED.
5. LOCATIONS OF CUP ANCHORS TO BE IDENTICAL ON OPPOSITE SIDE OF POOL, UNLESS OTHERWISE NOTED.
6. LOCATIONS OF UNDERWATER LIGHTS TO BE IDENTICAL ON OPPOSITE SIDE OF POOL UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL REMOVE PORTIONS OF WALL EXCEEDING TOLERANCES AND REPLACE IT WITH NEW CONSTRUCTION THAT CONFORMS TO THE TOLERANCES STATED ABOVE AT NO COST TO THE OWNER. THE TOLERANCES GIVEN ABOVE APPLY TO ALL POINTS ON WALL FROM WATER LEVEL, 10'-4" BELOW. INSTALL CAP TILE LEVEL AROUND SPA.
8. ALL METALLIC OR ELECTRICAL ITEMS ARE TO BE INSTALLED IN ACCORDANCE WITH ARTICLE 480 OF THE NATIONAL ELECTRIC CODE. SPA SHALL COMPLY WITH 24 CFR AND ALL LOCAL HEALTH 10. DEPARTMENT REQUIREMENTS.

1. SEE SPECIFICATIONS FOR SHOTCRETE, CONCRETE AND REINFORCING REQUIREMENTS.
2. SHOTCRETE SHALL HAVE A MINIMUM 4,500 PSI 28-DAY COMPRESSIVE STRENGTH. CONCRETE SHALL HAVE A MINIMUM 4,500 PSI 28-DAY COMPRESSIVE STRENGTH.
3. ALL SPLICES IN REINFORCING STEEL SHALL LAP A MINIMUM OF 40 DIAMETERS AND NOT LESS THAN 24".
4. POOL DESIGN DOES NOT INCLUDE SURCHARGE FROM ADJACENT STRUCTURES.

1. PROVIDE CPVC PIPE BEFORE AND AFTER HEATER WITH FLANGED CONNECTIONS WHERE CPVC PIPE ADJOINS PV PIPE.
2. PROVIDE TRUE-UNION CPVC BALL VALVES ON HEATER INFLUENT AND EFFLUENT LINES.
3. POOL HEATER MUST CONFORM TO ASME BOILER CODE REQUIREMENTS FOR 160 PSI WORKING PRESSURE AND HAVE CALIFORNIA APPROVED CONTROLS.
4. PROVIDE LETRO THERMOMETERS IN HEATER INFLUENT AND EFFLUENT LINES AND THE POOL. RETURN LINE DOWNSTREAM FROM HEATER DOWNSTREAM.
5. HEATERS REQUIRE 3 SEPARATE POWER SOURCES: ONE 120vac, 20amp CIRCUIT FOR FANS AND CONTROLS AND ONE 120vac, 20amp INTERLOCKED CIRCUIT FOR BY-PASS PUMP MOTOR. FIREMANS SWITCH FOR HEATER COOL-DOWN SHOULD INTERRUPT R & W TERMINALS.
6. NOT USED
7. 110 DEG. HI LIMIT SWITCH SHOULD BE IN MAIN POOL PIPING 3 FEET DOWNSTREAM FROM HEATER RETURN.
8. "A-SENSOR" SHOULD BE INSTALLED IN MAIN POOL, UPSTREAM OF HEATER. SOURCE WHEN UTILIZING SUBMERGIBLE CIRCUIT IN HEATER TO CONTROL. BY-PASS BOOSTER PUMP. NEVER USE VENT FROM SIZE DESIGNATED BY HEATER.
9. VENT PATH SHOULD AS BE CLOSE TO VERTICAL AS POSSIBLE. IF VENT PATH REQUIRES LATERAL RUNS, IT IS RECOMMENDED THAT A VERTICAL RISE OF 5' VENT DAMPERS DIRECTLY FROM THE HEATER BE IN PLACE BEFORE CHANGE OF DIRECTION. THIS IS ALSO TRUE FOR BAROMETRIC DAMPERS.
10. HORIZONTAL RUNS MUST RISE A MINIMUM OF 1/4" EVERY FOOT.
11. TOTAL HORIZONTAL RUN SHOULD NOT EXCEED 30% OF VERTICAL RISE.
12. VENT CAP SELECTION SHOULD NOT RESTRICT DRAFT UNLESS A HIGH DRAFT CONDITION EXISTS (ABOVE -0.7 IN. W.C.)
13. LONG VERTICAL VENTS MAY REQUIRE BAROMETRIC DAMPERS OR RESTRICTIVE VENT CAPS TO LOW EXCESSIVE DRAFT (ABOVE -0.7 IN. W.C.)
14. PROVIDE ALL NECESSARY SUPPORTS AND CONNECTIONS DEEMED NECESSARY FOR COMPLETE INSTALLATION OF HIS SYSTEM.
15. VERIFY ALL CLEARANCE DIMENSIONS AND LOCATIONS ON SITE PRIOR TO INSTALLATION. PROVIDE 5" - 10" WATER COLUMN NATURAL GAS PRESSURE TO EACH OF
16. THE HEATERS UNDER BOTH DYNAMIC AND STATIC OPERATING CONDITIONS.

1. HYDROSTATICALLY TEST ALL BURIED PIPING AT 100 PSI FOR ONE HOUR AND MAINTAIN A PRESSURE OF 30 PSI IN ALL PIPING THROUGHOUT CONSTRUCTION.
2. SECURE ALL FIXTURES PER SPECIFICATION REQUIREMENTS BEFORE HYDROSTATIC TEST.
3. INSTALL AND SUPPORT OVERHEAD AND VERTICAL PIPING PER SPECIFICATION REQUIREMENTS.
4. IDENTIFY ALL EQUIPMENT ROOM PIPING WITH LABELS AND ARROWS PER SPECIFICATION REQUIREMENTS.
5. ALL BUTTERFLY VALVES UP TO 8" SHALL BE BELVER OPERATED. ALL BUTTERFLY VALVES OVER 8" GEAR OPERATED. USE VALVES RATED FOR 150 PSI AND 200°F.
6. ALL CIRCULATION PIPING AND ALL PVC FITTINGS SHALL BE SCHEDULE 80 PVC INJECTION MOLDED AND SOLVENT WELDED.
7. ALL FLANGED CONNECTIONS SHALL HAVE STAINLESS STEEL BOLTS, NUTS AND WASHERS.
8. SANDBLAST ALL FERROUS METAL FITTINGS TO WHITE METAL INCLUDING FACE OF FLANGES AND EPOXY COAT PER SPECIFICATION REQUIREMENTS.
9. ALL BALL VALVES 1/2" THROUGH 4" SHALL BE TRUE UNION STYLE SOCKET WITH REPLACEABLE TEFロン SEAT INJECTION MOLDED AND SOLVENT WELDED. USE VALVES RATED FOR 150 PSI AT 73°F.
10. ALL PIPING PASSING THROUGH THE WALLS OF THE POOL, AND ANY WATER HOLDING TANKS SHALL BE FLANGE TYPE WATERSTOP OF FULL PIPE SIZE SOLVENT WELDED TO PIPE, UNLESS OTHER WATERSTOP DEVICE OR MEASURE IS DETAILED OR NOTED ELSEWHERE. THE NORMAL FLOW CIRCULATION PATTERN WILL BE 100%/HOUR.
11. THE GUTTER OR 100%/HOUR THROUGH THE MAINDRAINS. ALL PIPING MUST BE ADEQUATELY SUPPORTED TO PREVENT EXCESSIVE DEFLECTION.

1. PROVIDE ALL PUMPS WITH SEPARATE "ON/OFF" SWITCHES AND A MASTER CONTROL SWITCH WITH "ON/OFF" FOR EMERGENCY OPERATION.
2. MECHANICAL ROOM CONTROLLER SHALL CONTROL OPERATION OF THE POOL CIRCULATION PUMP PER THE POOL ELECTRICAL DRAWINGS.
3. INTERLOCK POOL CIRCULATION PUMP WITH CHEMICAL CONTROLLER, CHEMICAL FEED PUMPS, HEATER AND FILTER SYSTEM.
4. PROVIDE A VACUUM GAUGE ON THE INFLUENT SIDE OF THE POOL CIRCULATION PUMP.

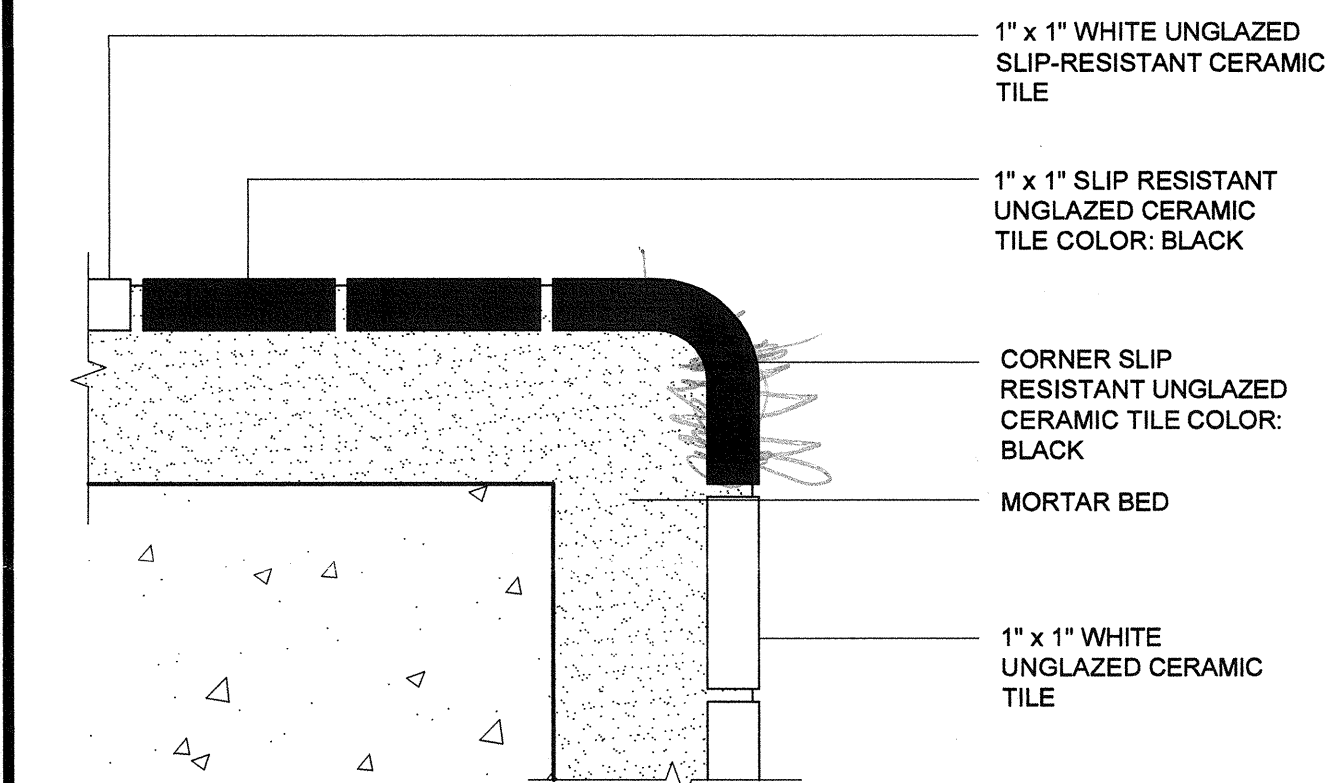
1. SECURE CHEMICAL METERING PUMP FEED LINES TO WALL AND/OR OVERHEAD WITH CUPS OR DEVICES THAT DO NOT CRIMP, DISTORT OR ALLOW HIGH AND LOW AREAS IN TUBING RUNS. PLACE CHECK VALVE AND SHUT-OFF VALVE BEFORE LINES ENTER POOL RETURN PIPING.
2. CHEMICAL CONTROL MONITOR SHALL CONTROL THE CHLORINE SYSTEM AND PH CONTROL SYSTEM AND SHUT THEM DOWN UPON LOSS OF SAMPLE STREAM FLOW.
3. THE CHEMICAL CONTROL SYSTEM BYPASS LINE SHALL SAMPLE WATER AFTER THE FILTERS AND BEFORE THE HEATER BYPASS LINE, AND RETURN TO THE SURGE CHAMBER OR FILL PIPE.

1. FILTER TANK ASSEMBLIES SHALL BEAR THE NATIONAL SANITATION FOUNDATION SEAL OF APPROVAL FOR A MAXIMUM FLOW RATE OF 20 G.P.M. PER SQUARE FOOT OF FILTER MEDIA.
2. MANUFACTURER TO PROVIDE GUARANTEES, WARRANTIES AND SPARE PARTS NECESSARY FOR STARTING, FILTER OPERATION AND MAINTENANCE. PROVIDE #20 SILICA SAND FOR FILTERS OUTDOOR POOLS.
3. FILTER MANUFACTURER TO CERTIFY FILTER MEDIA.
4. POST ON WALL FILTER OPERATING INSTRUCTIONS WITH VALVE OPERATION, SEQUENCING CHART. MOUNT IN WATER-RESISTANT/TIGHTGHT CONTAINER, 4'-0" ABOVE FLOOR NEAR FILTERS. NUMBER VALVES TO CORRESPOND WITH INSTRUCTIONS ON VALVE SEQUENCING CHART.
5. PROVIDE FILTER INFLUENT AND EFFLUENT PRESSURE GAUGE AND FULL LINE SIZE FLOW METER.

16

15

14



## 13

LENGTH .....	14'-9"	18 2/3
WIDTH .....	8'-6"	8' - 2"
PERIMETER .....	39'-10"	
SURFACE AREA .....	85.6 SQ. FT.	
MINIMUM DEPTH .....	3'-0"	
MAXIMUM DEPTH .....	3'-0"	
VOLUME .....	315.2 CU FT	
BATHING LOAD .....	2,358 GALLONS	
	7 PERSONS	

NUMBER OF LIGHTS ..... 1  
WATTAGE PER LIGHT ..... 500 W  
WATTAGE PER SQUARE FOOT ..... 4.3 W/SQ. FT.  
TOTAL WATTAGE ..... 500 WATT EQUIPMENT LED

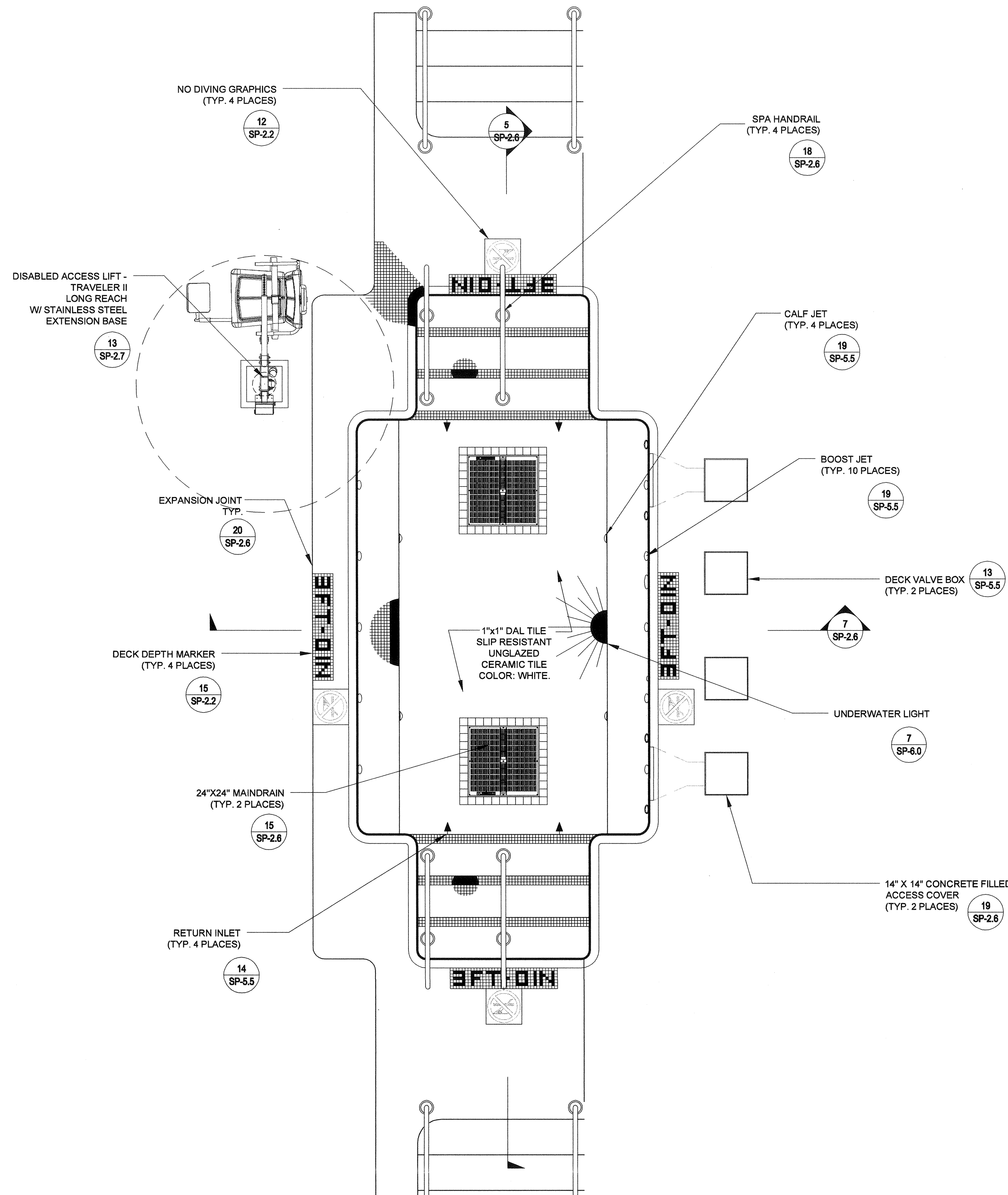
FILTER TYPE.....	HI-RATE SAND
FILTER AREA.....	7.06 SQ.FT.
FILTER FLOW RATE.....	14.02 GPM
BACKWASH RATE.....	15.00 GPM
BACKWASH VALVE.....	MANUAL

POOL PUMP ..... 108 GPM @ 68' HEAD  
POOL TURNOVER ..... 15 MINUTES  
3" SUCTION ..... 4.81 FPS

QUANTITY ..... 2  
POOL AREA PER SKIMMER ..... 38 SQ. FT.  
SKIMMER MANUFACTURER ..... STA-RITE  
SKIMMER MODEL NUMBER ..... 8850-1404

4

- \* SEE DETAIL 17/SP-2.6 FOR STAIR SECTION
- \* SEE DETAIL 18/SP-2.6 FOR SPA DEPTH MARKER LOCATION
- \* SEE DETAIL 13/SP-2.6 FOR TYPICAL SPA SEAT
- \* SEE SHEET SP-2.6 FOR ALL FINISH DIMENSIONS



FLOOR TO TOP OF SEAT  
44.8 sq ft x 1.5' depth = 67.2 cu ft

TOP OF SEAT TO WATERLINE  
124 sq ft x 2' depth = 248 cu ft

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TOTAL = 315.2 cu ft

X 7.481

2,358 Gallons

1

REVIEWS		DESCRIPTION
BY	DATE	
	06/25/13	Plan Check Submitted
	08/07/14	Plan Check Re-Submitted Delta 01 $\Delta$
		Plan Check Re-Submitted 02 - Delta 02 $\Delta$
	01/08/15	Plan Check Re-Submitted 03 - Delta 03 $\Delta$