·		
SWIMMING POOL		NOTE:
 SEE LAP POOL PLUMBING DRAWINGS FOR RETURN INLET LOCATIONS. DIMENSIONS FOR DEPTH MARKERS ARE IDENTICAL FOR BOTH SIDES OF THE POOL UNLESS 	DIMENSIONS	ANY ITEMS NOT DIMENSIONED ARE THE SAME AS ON THE OPPOSITE SIDE OF THE POOL
OTHERWISE NOTED.	LENGTH 50'-0"	DETAIL REFERENCE NOTES:
3. PROVIDE SAFTEY SIGNAGE PER SPECIFICATIONS.	WIDTH	 SEE DETAIL 13 & 17/SP-2.2 FOR TYPICAL POOL WALL SECTION. 1/2" WHITE PLASTER FINISH, UNLESS NOTED OTHERWISE.
 LOCATIONS OF STANCHION POST SOCKETS TO BE IDENTICAL ON OPPOSITE SIDES OF POOL EXCEPT WHERE NOTED. 	PERIMETER 136'-2"	3. SEE DETAIL 4/SP-2.3 FOR STAIR SECTION DETAIL.
5. LOCATIONS OF CUP ANCHORS TO BE IDENTICAL ON OPPOSITE SIDE OF POOL UNLESS OTHERWISE NOTED.	SURFACE AREA	
6. LOCATIONS OF UNDERWATER LIGHTS TO BE IDENTICAL ON OPPOSITE SIDE OF POOL UNLESS	MAXIMUM DEPTH4'-0"	
OTHERWISE NOTED.	VOLUME	
7. NOT USED		
8. SWIMMING POOL SHALL COMPLY WITH TITLE 24 CCR AND ALL LOCAL HEALTH DEPARTMENT REQUIREMENTS.	<u>LIGHTING</u>	
9. CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO VERIFY DIMENSIONS	NUMBER OF LIGHTS	
10. NOT USED	WATTAGE PER SQUARE FOOT 1.26	
11. NOT USED	FOOT TOTAL WATTAGE 1890	
12. ALL METALLIC OR ELECTRICAL ITEMS ARE TO BE INSTALLED IN ACCORDANCE WITH ARTICLE 680 OF THE NATIONAL ELECTRIC CODE.		
<u>POOL</u>	<u>HEATING</u>	
1. SEE SPECIFICATIONS FOR SHOTCRETE, CONCRETE AND REINFORCING REQUIREMENTS	INPUT CAPACITY400,000 BTU/HR	
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.	<u>FILTERS</u>	
3. ALL SPLICES IN REINFORCING STEEL SHALL LAP A MINIMUM OF 40 DIAMETERS AND NOT LESS THAN	FILTER TYPE HI-RATE SAND	
24". 4. POOL DESIGN DOES NOT INCLUDE SURCHARGE FROM ADJACENT STRUCTURES	FILTER AREA7.06 SQ FT OF SAND	
HEATERS	FILTER FLOW RATE	
1. PROVIDE CPVC PIPE BEFORE AND AFTER HEATER WITH FLANGED CONNECTIONS WHERE CPVC PIPE	BACKWASH VALVEMANUAL	
ADJOINS PVC PIPE. 2. PROVIDE TRUE-UNION CPVC BALL VALVES ON HEATER INFLUENT AND EFFLUENT LINES.	CIRCULATION SYSTEM	
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	POOL PUMP	
PRESSURE AND HAVE CALIFORNIA APPROVED CONTROLS.	POOL TURNOVER	
 PROVIDE LETRO THERMOMETERS IN HEATER INFLUENT AND EFFLUENT LINES AND THE POOL RETURN LINE DOWNSTREAM OF THE HEATER BYPASS. 	3" SUCTION	
5. HEATERS REQUIRE 2 SEPARATE POWER SOURCES. ONE 120vac, 20amp CIRCUIT FOR FANS AND		
CONTROLS AND ONE 120vac, 20amp INTERLOCKED CIRCUIT FOR BY-PASS PUMP MOTOR. 6. FIREMANS SWITCH FOR HEATER COOL-DOWN SHOULD INTERRUPT R & W TERMINALS.		
7. BY-PASS BOOSTER PUMP SHOULD BE INTERLOCKED WITH CIRCULATION PUMP AS WELL AS		
CONTROLLED BY BROWN/WHITE CIRCUIT FROM HEATER.		
 110 DEG. HI LIMIT SWITCH SHOULD BE IN MAIN POOL PIPING 3 FEET DOWNSTREAM FROM HEATED RETURN. 		
9. "A-SENSOR" SHOULD BE INSTALLED IN MAIN POOL PIPING UPSTREAM OF HEATER SOURCE WHEN UTILIZING BROWN/WHITE CIRCUIT IN HEATER TO CONTROL BY-PASS BOOSTER PUMP.		
10. NEVER UP-SIZE VENT FROM SIZE DESIGNATED BY HEATER.		
11. VENT PATH SHOULD BE AS CLOSE TO VERTICAL AS POSSIBLE. IF VENT PATH REQUIRES LATERAL		
RUNS, IT IS RECOMMENDED THAT A VERTICAL RISE OF 5 VENT DIAMETERS DIRECTLY FROM THE HEATER BE IN PLACE BEFORE CHANGE OF DIRECTION. THIS IS ALSO TRUE FOR BAROMETRIC DAMPERS.		
12. HORIZONTAL RUNS MUST RISE A MINIMUM OF 1/4" EVERY FOOT.		
13. TOTAL HORIZONTAL RUN SHOULD NOT EXCEED 30% OF VERTICAL RISE.		
14. VENT CAP SELECTION SHOULD NOT RESTRICT DRAFT UNLESS A HIGH DRAFT CONDITION EXISTS (ABOVE -0.7 IN. W.C.)		
15. LONG VERTICAL VENTS MAY REQUIRE BAROMETRIC DAMPERS OR RESTRICTIVE VENT CAPS TO	POOL DATA (15)	
LOWER EXCESSIVE DRAFT (ABOVE -0.7 IN. W.C.)	SCALE: N.T.S.	
16. PROVIDE ALL NECESSARY SUPPORTS AND CONNECTIONS DEEMED NECESSARY FOR COMPLETE INSTALLATION OF HEATER PIPING.		
17. VERIFY ALL CLEARANCE DIMENSIONS AND LOCATIONS ON SITE PRIOR TO INSTALLATION. PROVIDE 5" - 10.5" WATER COLUMN NATURAL GAS PRESSURE TO EACH OF		
18. THE HEATERS UNDER BOTH DYNAMIC AND STATIC OPERATING CONDITIONS.		
CHEMICALS		
 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. PLACE 		
CHECK VALVE AND SHUT-OFF VALVE BEFORE LINES ENTER POOL RETURN PIPING.		
 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.		
<u>FILTERS</u>		
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		
STANDARD FILTER OPERATION AND MAINTENANCE.		
3. PROVIDE 20 SILICA SAND FOR FILTERS.		
 FILTER MANUFACTURER TO CERTIFY FILTER MEDIA. POST ON WALL FILTER OPERATING INSTRUCTIONS WITH VALVE OPERATION SEQUENCING CHART. 		
MOUNT IN WATER-RESISTANT/WATERTIGHT CONTAINER, 4'-0" ABOVE FLOOR NEAR FILTERS. NUMBER VALVES TO CORRESPOND WITH INSTRUCTIONS ON VALVE SEQUENCING CHART.		
6. PROVIDE FILTER INFLUENT AND EFFLUENT PRESSURE GAUGE AND FULL LINE SIZE FLOW METER.		
PUMPS .		
 PROVIDE ALL PUMPS WITH SEPARATE "ON/OFF" SWITCHES AND A MASTER CONTROL SWITCH WITH "ON/OFF" FOR EMERGENCY OPERATION. 		
1. MECHANICAL ROOM CONTROLLER SHALL CONTROL OPERATION OF THE POOL CIRCULATION PUMP		
PER THE POOL ELECTRICAL DRAWINGS. 2. 3INTERLOCK POOL CIRCULATION PUMP WITH CHEMICAL CONTROLLER, CHEMICAL FEED PUMPS,		
2. 3INTERLOCK POOL CIRCULATION PUMP WITH CHEMICAL CONTROLLER, CHEMICAL FEED PUMPS, HEATER AND FILTER SYSTEM.		
3. 4. PROVIDE A VACUUM GAUGE ON THE INFLUENT SIDE OF THE POOL CIRCULATION PUMP		
PLUMBING 1. HYDROSTATICALLY TEST ALL BURRIED 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.		
 INSTALL AND SUPPORT OVERHEAD AND VERTICAL PIPING PER SPECIFICATION REQUIREMENTS. IDENTIFY ALL EQUIPMENT ROOM PIPING WITH LABELS AND ARROWS PER SPECIFICATION 		
REQUIREMENTS.		
5. ALL BUTTERFLY VALVES UP TO 6" SHALL BE LEVER OPERATED. ALL BUTTERFLY VALVES OVER 6" 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 SUBMERGED 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" THRU 4" SHALL BE TRUE UNION STYLE SOCKET WITH REPLACEABLE TEFLON 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		
HAVE A FLANGE TYPE WATERSTOP OF FULL PIPE SIZE SOLVENT WELDED TO PIPE, UNLESS OTHER WATERSTOP DEVICE OR MEASURE IS DETAILED OR NOTED ELSEWHERE.		
11. THE NORMAL FLOW CIRCULATION PATTERN WILL BE 100% THROUGH SKIMMERS, OR %100 THROUGH MAINDRAINS		
12. ALL PIPING MUST BE ADEQUATELY SUPPORTED TO PRECLUDE SETTLEMENT.		

 UNDERWATER LIGHT (TYP. OF 3 PLACES) CENTER COPING PAVER - PLAN B (TYP 2 PLACES) DISABLED ACCESS
LIFT ANCHOR
TO BE LOCATED BY CONTRACTOR COORDINATE LIFT LOCATION W/OWNER TYPICAL COPING PAVER - TYPE B (TYP. OF 100) WHITE PLASTER FINISH — NO DIVING SIGN "B" (TYP. OF 2 PLACES) — 24" MAINDRAIN (TYP. OF 2 PLACES) CENTER COPING PAVER - PLAN A (TYP. 2 PLACES)

13A
SP-2.3 DECK DEPTH MARKER (TYP. OF 8 PLACES) NO DIVING GRAPHIC — (TYP. OF 8 PLACES) NO DIVING SIGN "A" (TYP. OF 8 PLACES) RECESSED STEPS AND GRAB RAILS HANDRAIL -(TYP. OF 5 PLACES)

<u>CÔNSULTANTS</u>

NELSON POLICE

Exp. 9/30/15

NO. 12864

CHANICA

**CH

AS NOTED