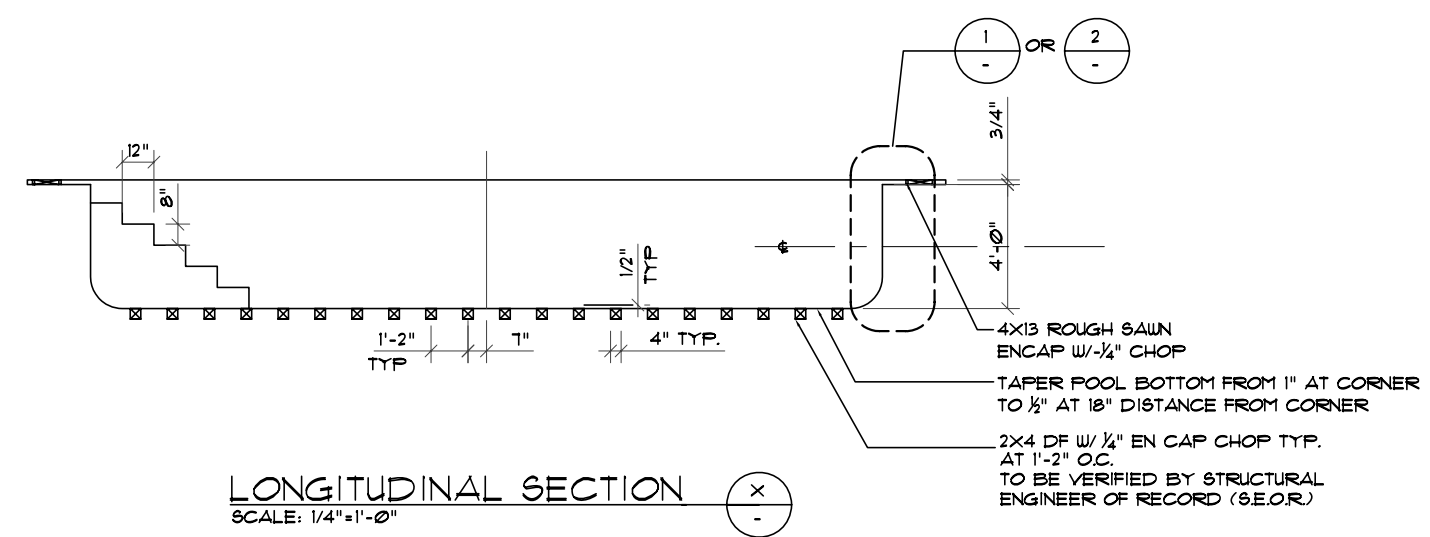
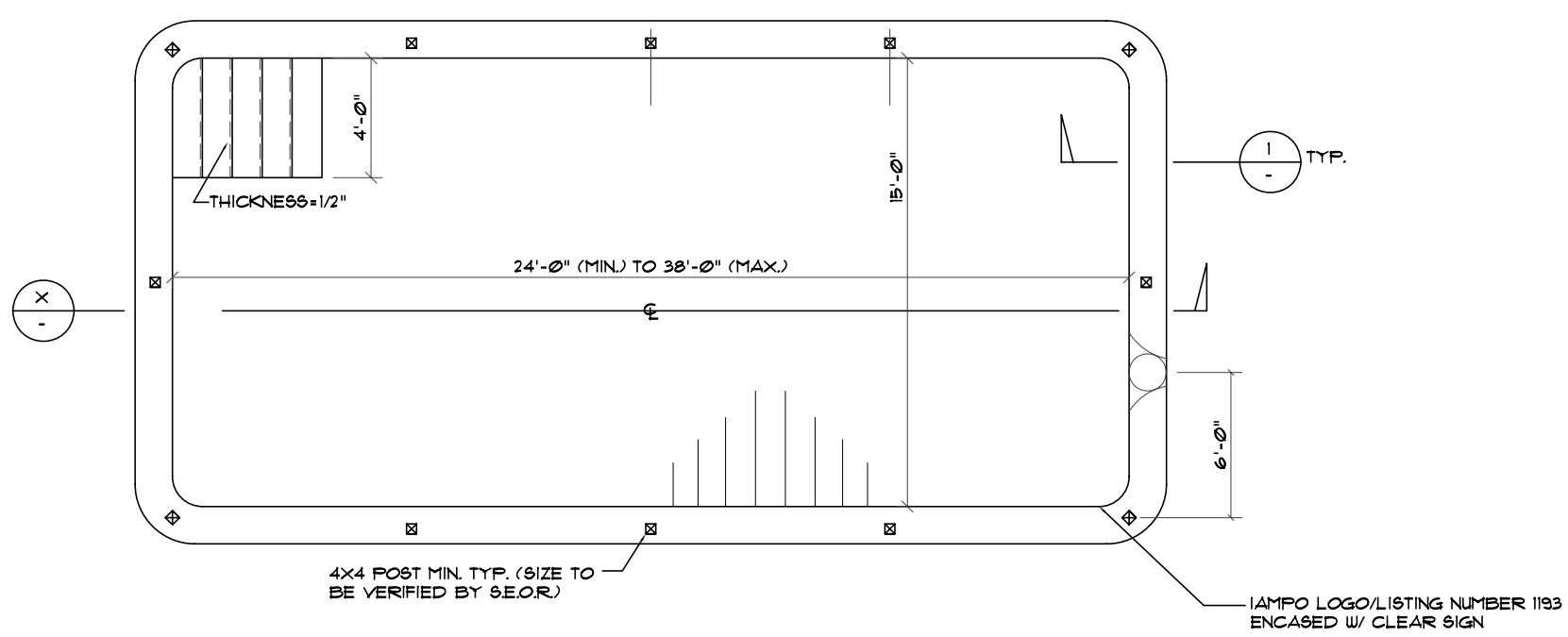


DETAIL AT POOL WALL



LONGITUDINAL SECTION



PLAN VIEW

15'x24' FLOOR PLAN & LONGITUDINAL SECTION

NOTES:

POOL IS ABOVE GROUND POOL, MAXIMUM OF 4 FEET DEEP (3'-6" WATER HEIGHT) TO BE SUPPORTED BY EXISTING STRUCTURAL CONCRETE DECK OR ANY OTHER STRUCTURAL FRAMING. DEAD WEIGHT OF FILLED POOL INCLUDING MAXIMUM OF 6" OF CELLULAR CONCRETE FLOOR FILL IS 325 PSF.

CALIFORNIA LICENSED PROFESSIONAL STRUCTURAL/CIVIL ENGINEER FOR THE BUILDING TO VERIFY AT THE POOL LOCATION ADEQUACY OF EXISTING DECK OR STRUCTURAL FRAMING TO SUPPORT ALL THE GRAVITY AND SEISMIC LOADS, DUE TO POOL INSTALLATION.

THE EXISTING DECK MUST HAVE ADEQUATE DECK DRAINS TO SAFELY CONVEY ANY WATER THAT MAY ESCAPE FROM THE POOL.

THIS PLAN (DRAWING) IS FOR FIBERGLASS POOL ONLY. POOL PLUMBING, ELECTRICAL PLANS, DECK AND DRAINAGE PLANS ARE NOT PART OF THIS PLAN.

DESCRIPTION:

THE SWIMMING POOL CONSISTS OF ONE-PIECE FIBERGLASS CONSTRUCTION FORMED OVER A MOLD. IN ADDITION TO BASIC SHELL HORIZONTAL RIBS SPACED AT 14" O.C. ARE PROVIDED AT THE POOL FLOOR. RIBS ARE 2X4 DF # (PROVIDE AS REQUIRED) COVERED WITH MIN. 1/2" THICK FIBERGLASS REINFORCED POLYESTER RESIN, AND VERTICAL RIBS WITH BLOCKING AT EACH SIDE OF SKIMMER AND AT LIGHT NICHE. A CONTINUOUS BOND BEAM 4X13 DF # IS ENCASED AROUND BEAM AS SHOWN IN DETAIL ON THIS PLAN.

POOL IS TO BE MANUFACTURED IN THE SHOP OF AN APPROVED TYPE-I FABRICATOR AND IDENTIFICATION OF THE MANUFACTURER IS TO BE PLACED ON THE POOL SHELL AT A LOCATION VISIBLE AT THE TIME OF INSPECTION. MANUFACTURER TO COMPLY WITH CURRENT ICC REPORT # AND LA CITY RR #24851 (FOR WORK IN LA CITY JURISDICTION).

THE SPLIT MAIN DRAIN LINE AND ITS CONNECTION TO THE POOL IS TO BE ASSEMBLED DURING THE FABRICATION PROCESS AND REQUIRED ON SITE INSPECTION OF THE LINE IS REQUIRED OTHER THAN THE PRESSURE TEST AS REQUIRED BY THE PLUMBING CODE.

FIBERGLASS:

- MATERIALS:
- A. GELCOAT - 1 TO 1 ISOPHTHALIC W/ NEO PENTYGLICOL ADDITIVE, GK-1
 - B. RESIN - 1 TO 1 ISOPHTHALIC
 - C. MAT - 1/2 LBS. CHOPPED STRAND MAT, 'A' GRADE WITH SILENE BINDER
 - D. WOVEN ROVING - 24 OZ. 'A' GRADE WITH SILENE BINDER ON INPUT.
 - E. URETHANE FOAM - 4 1/2 LBS DENSITY, SCORED IN CONTOUR AREAS.

- ALLOWABLE STRESSES:
- MINIMUM TENSILE STRENGTH = 15,000 PSI
 - MINIMUM FLEXURAL STRENGTH = 22,000 PSI
 - MINIMUM MODULUS OF ELASTICITY = 1,000,000 PSI (FLEXURAL)

- FIRE RESISTIVITY:
- FLAME SPREAD MAXIMUM = 25 PER ASTM E84
 - SMOKE DENSITY MAXIMUM = 425 PER UL 910

COPING:

USE STANDARD APPROVED CONCRETE COPING WHICH IS TO BE ATTACHED TO THE FIBERGLASS POOL WITH EPOXY GROUT OR EPOXY USING COVERT CIA-GEL OR SICA GROUT 212 OR BUILDING DEPT. APPROVED.

GENERAL CONSTRUCTION NOTES:

1. NOTES AND DETAILS ON THE DRAWING SHALL TAKE PRECEDENCE OVER THESE GENERAL CONSTRUCTION NOTES.
2. PLUMBING PERMIT IS REQUIRED. PLUMBING DEPARTMENT APPROVAL IS REQUIRED WHERE NO SEWERS ARE AVAILABLE.
3. ALL METAL AND REBAR ARE TO BE BONDED TO PROVIDE EQUAL ELECTRICAL POTENTIAL IN A MANNER APPROVED BY THE ELECTRICAL DIVISION OF BUILDING DEPARTMENT. PLUMBING, ELECTRICAL AND GROUNDING CLEARANCES ARE REQUIRED PRIOR TO BUILDING INSPECTION APPROVAL OF REIN. STEEL. ALL ELECTRICAL EXCEPT BONDING TO BE IN CONDUIT. ELECTRICAL DROPS SHALL HORIZONTALLY CLEAR THE POOL BY 10'-0".
4. POOL TO BE FENCED BY A SUBSTANTIAL FENCE. GATES TO BE SELF-CLOSING AND SELF-LATCHING. OBTAIN BUILDING DEPT. APPROVAL OF FENCE BEFORE FILLING POOL. MINIMUM FENCE HEIGHTS AND LATCH HEIGHT:
 - 4'-0" SAN BERNARDINO COUNTY
 - 4'-6" LA CITY - CONFORM TO IB# 2008-14
 - 5'-0" L.A. ORANGE, AND SAN DIEGO COUNTIES, AND CITY OF SAN DIEGO
 - 5'-0" FENCE/ THOUSAND OAKS
 - 4'-6" LATCH
5. FILTER EQUIPMENT IS NOT ALLOWED IN REQUIRED FRONT YARD OR IN REQUIRED SIDE YARD BETWEEN FRONT PROPERTY LINE AND REAR MOST PORTION OF MAIN BUILDING.
6. SLOPE SOIL AND/OR POOL DECKS TO DRAIN AWAY FROM POOL (2% MIN. FOR EARTH AND 1% FOR CONCRETE) TO APPROVED LOCATION TO PREVENT PONDING. CONDUIT ALL DECK DRAINAGE TO STREET OR OTHER APPROVED LOCATION BY MEANS OF NON-EROSIVE DEVICES. INSTALL OVERFLOW DEVICE AT 1" MIN. BELOW TOP OF POOL AND DRAIN TO APPROVED LOCATION.
7. POOL AND EQUIPMENT TO CONFORM TO STATE ENERGY REQUIREMENTS.
8. PROVIDE SIGN OR POSTER AT POOL AREA CONFORMING TO SEC. 5011 OF GENERAL HAZARD ORDINANCE 5901 LA COUNTY.
9. FRESH WATER FILL LINE THROUGH VACUUM BREAKER VALVE 6" ABOVE COPING.
10. PUBLIC POOLS REQUIRE COUNTY HEALTH DEPARTMENT APPROVAL AND HANDICAPPED ACCESS DEVICE PER C.A.C. TITLE 24.
11. POOL LIGHTING FIXTURES SHALL BE SPECIFICALLY LISTED FOR USE IN PLASTIC POOLS AND SHALL BE SUPPLIED BY A CIRCUIT PROTECTED BY A GROUND FAULT INTERRUPTER.
12. ALL DRAINS, GRATES, PROTECTIVE DEVICES AND SKIMMER COVERS FOR SWIMMING POOLS AND SPAS MUST BE APPROVED BY THE BUILDING DEPARTMENT PRIOR TO INSTALLATION.
13. ALL STRUCTURAL DESIGN SHALL CONFORM TO LATEST CITY/COUNTY ORDINANCES AND REGULATIONS.
14. POOLS ARE TO BE INSTALLED BY FACTORY-TRAINED OR LICENSED INSTALLER OR AN AGENT APPROVED BY THE MANUFACTURER IN ACCORDANCE WITH LATEST ICC-ESR#. THE SWIMMING POOL SHELL SHALL BE FABRICATED IN THE SHOP OF A FABRICATOR APPROVED BY THE LOS ANGELES BUILDING DEPARTMENT.
15. TITLE 24-PART 6- ARTICLE I
SUBJECT-SWIMMING POOL HEATERS
IN COMPLIANCE WITH THE STATE MANDATED ENERGY CONSERVATION STANDARDS, THE FOLLOWING REQUIREMENTS SHALL APPLY:
 1. AN ON-OFF SWITCH SHALL BE MOUNTED ON THE OUTSIDE OF THE SWIMMING POOL HEATER FOR EASY ACCESS TO ALLOW SHUTTING OFF THE OPERATION OF THE HEATER WITHOUT ADJUSTING THE THERMOSTAT SETTING AND TO ALLOW RESTARTING WITHOUT RELIGHTING THE PILOT LIGHT.
 2. A LENGTH OF PLUMBING (36" MIN) SHALL BE PROVIDED BETWEEN THE FILTER AND THE HEATER TO ALLOW FOR THE FUTURE ADDITION OF SOLAR HEATING EQUIPMENT.
 3. ALL OUTDOOR POOLS EQUIPPED WITH FOSBIL FUELED HEATERS SHALL ALSO BE EQUIPPED WITH A POOL COVER.
 4. TIME CLOCKS SHALL BE INSTALLED ON CIRCULATION PUMP.
 5. ALL NEW POOLS SHALL BE EQUIPPED WITH DIRECTIONAL INLETS FOR GOOD MIXING OF THE POOL WATER.
16. DISABLED ACCESS
WHEN REQUIRED POOL DECK AREAS MUST BE ACCESSIBLE BY HANDICAPPED, AN ASSISTING DEVICE MUST BE PROVIDED TO ASSIST PHYSICALLY DISABLED PERSONS IN GAINING ENTRY INTO THE POOL.
17. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE UNIFORM BUILDING CODE LATEST OR GOVERNING EDITION AND THE LOCAL BUILDING OFFICIAL.
18. DO NOT SCALE THE DRAWINGS, USE DIMENSIONS NOTED.
19. ALL WORK SHALL CONFORM TO LATEST BUILDING CODES, 2008 CITY OF LOS ANGELES BUILDING CODE AND ALL STATE AND FEDERAL REGULATIONS WHICH ARE APPLICABLE AND INFORMATION BULLETIN P/BC 2008-14.
20. A SWIMMING POOL PERMIT APPLICATION IS REQUIRED FOR EACH INSTALLATION.



06/18/10

REVISION	
NO.	DATE
STRUCTURAL DESIGNER:	
VTA CONSULTING ENGINEERS	
1755 E. HUNTINGTON DRIVE SUITE # 202	
DUARTE, CALIFORNIA 91010	
TEL: (626) 357-5523 FAX: (626) 357-5662	
RESTRICTIVE NOTICE: ALL IDEAS, DESIGN, ARCHITECTS PLANS, SPECIFICATIONS AND INFORMATION INDICATED OR REPRESENTED BY THIS DRAWING ARE THE PROPERTY OF VTA CONSULTING ENGINEERS AND SHALL BE KEPT CONFIDENTIAL AND NOT BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF VTA CONSULTING ENGINEERS. THIS DRAWING IS PROTECTED BY CALIFORNIA LAW AND FEDERAL COPYRIGHT LAWS.	
POOL SIZE: 15'X24' MIN. TO 15'X38' MAX. (RR # 24851)	APOLLO POOL SERVICE 2222 STONER AVE LOS ANGELES, CA 90064 TEL: (310) 477-3061 FAX: (310) 479-8781
SHEET TITLE: PLAN & DETAILS	DRAWN: KH
	CHECKED: V.T.
	DATE: 05/05/2010
	SCALE: AS SHOWN
	JOB NO:
	FILE NAME: S-1
	DRAWING:
S-1	
SHEETS	

SCALE AS NOTED