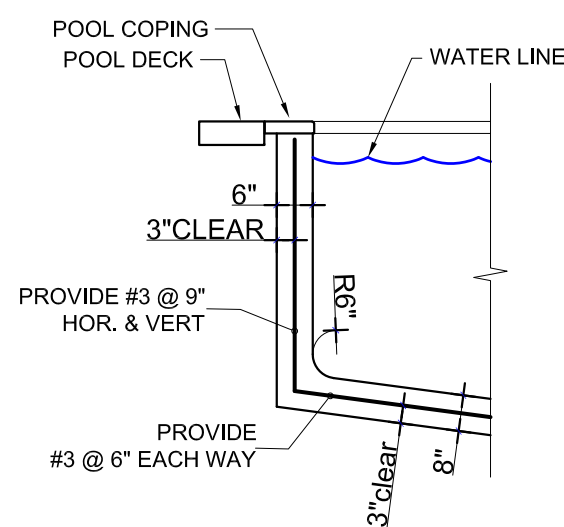
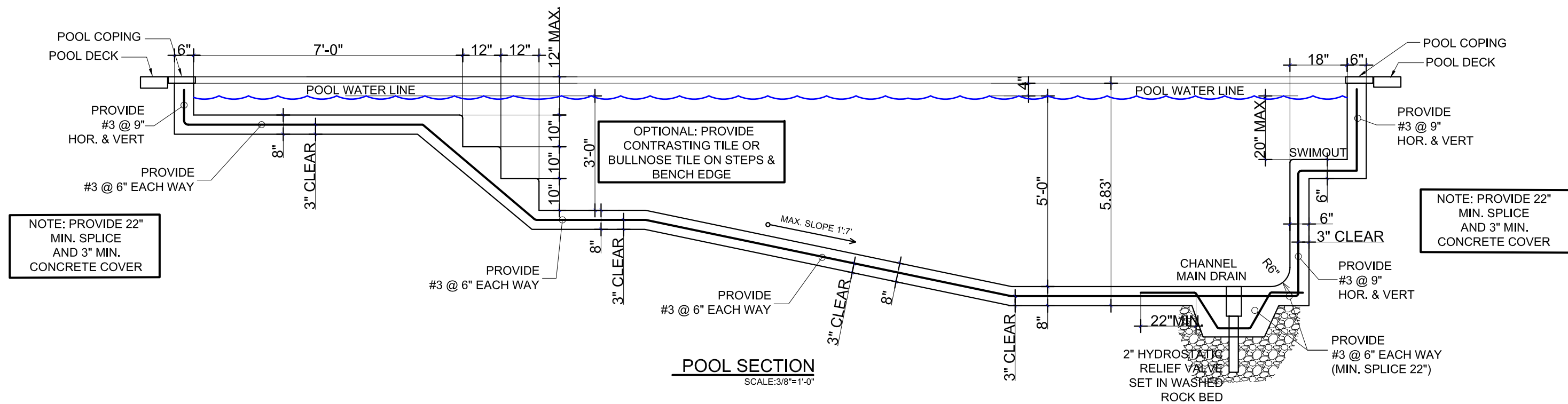
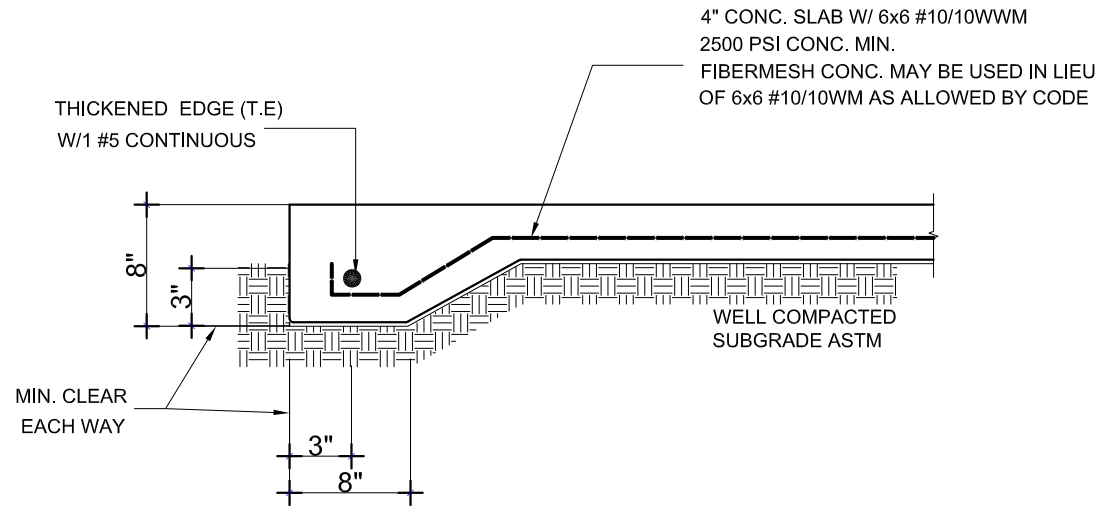




WALL SECTION
NO SCALE



POOL DECK DETAIL
scale: N.T.S

FLOTATION ANALYSIS

TOP OF POOL WALL ELEVATION —9.25'
DEPTH OF POOL —5.83'
ELEV. TOP OF MAIN DRAIN —3.42'
COUNTY FLOOD CRITERIA —6.00'
ELEV. TOP OF MAIN DRAIN —3.42'
POOL UPLIFT FORCE —2.58'
DEDUCT 2.00' ALLOWED FOR —(-)2.00'
USE OF 2" HYDROSTATIC PRESSURE RELIEF VALVE (-2.00')
RESULTANT UPLIFT FORCE —0.58'

SOIL STATEMENT

A VISUAL INSPECTION AT JOB SITE SHOWED A SOIL COMPOSED OF SAND AND ROCK. A BEARING CAPACITY OF 2000 P.S.F. HAS BEEN ASSUMED. FURTHER MORE, UPON BREAKING OF GROUND, A LETTER SHALL BE SUBMITTED TO THE BUILDING OFFICIAL VERIFYING AND ATTESTING THAT THE SITE CONDITIONS ARE SIMILAR TO THOSE UPON THE DESIGN BASED.

UPLIFT ANALYSIS

RESULTANT UPLIFT FORCE —0.58' * 62.4 pcf = 36.19 psf (UP)

SLAB
.67' (150 psf) = 100.50 psf (DOWN)

WALL
.50' (pool depth-4.0')(pool perimeter-85')(150 psf) = 68.00 psf (DOWN)
(pool area-375)

TOTAL DOWN —168.50 (DOWN) > 36.19 psf (REQ'D DOWN)... OK

SLAB THICKNESS REQ'D = 8" (#3 @ 6" O/C. EA.WAY CENTERED)

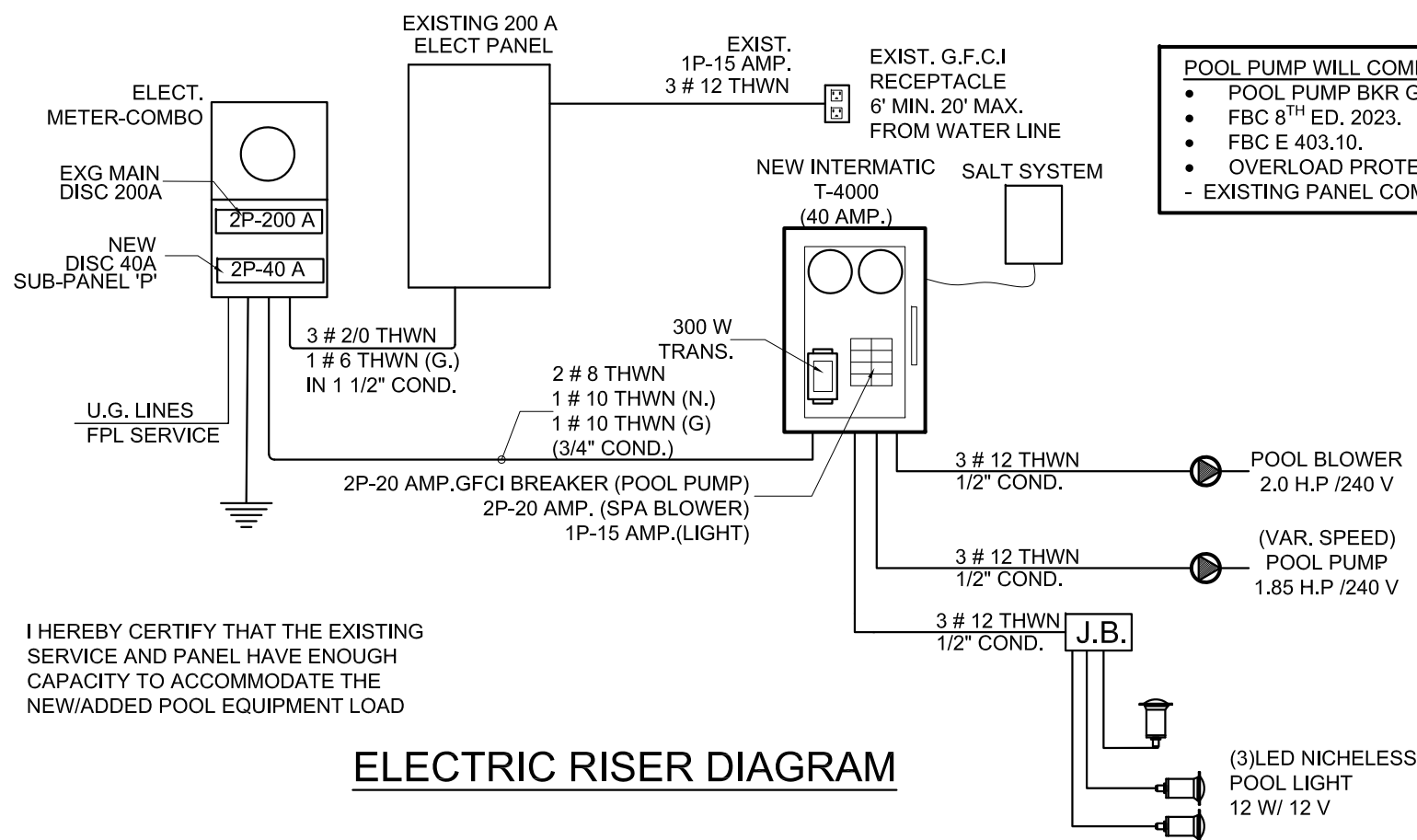
WALL THICKNESS REQ'D = 6" (#3 @ 9" O/C. EA.WAY CENTERED)

TYPE: INTERMATIC T-40000											ENCLOSURE: NEMA			
SERVICE: -											LOCATION: SEE PLAN			
VOLTAGE: 1Ø, 120/240											RATING 40 A.			
MAINS: MAIN LUG														
ELECTRICAL PANEL 'P'														
A.I.C.S.: 10000														
AMPS	POLES	TOTAL V.A.	COND. SIZE	WIRE SIZE	DESCRIPTION	CKT No.		CKT No.	DESCRIPTION	WIRE SIZE	COND. SIZE	TOTAL V.A.	POLES	AMPS
15	1	60	1/2"	12	POOL LIGHTS	1		2	POOL PUMP 1.85 HP	12	1/2"	2 000	2	20
						3		4						
						5		6	POOL BLOWER 2 HP	12	1/2"	1 500	2	20
						7		8						
60											3 500			
PANEL TOTAL DEMAND LOAD 10000														

PANEL 'P' TOTAL DEMAND LOAD 100%

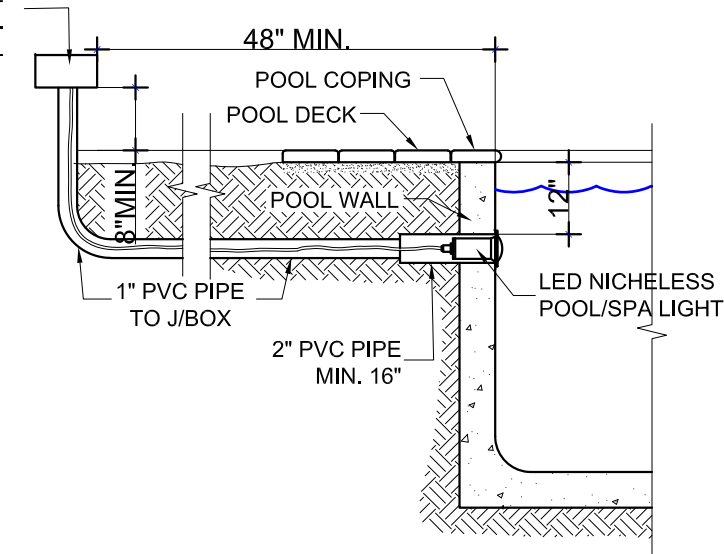
TOTAL LOAD @ 100% — 3 560 W

3 560 W / 240 VOLT = 14.83 AMP. @ 100%

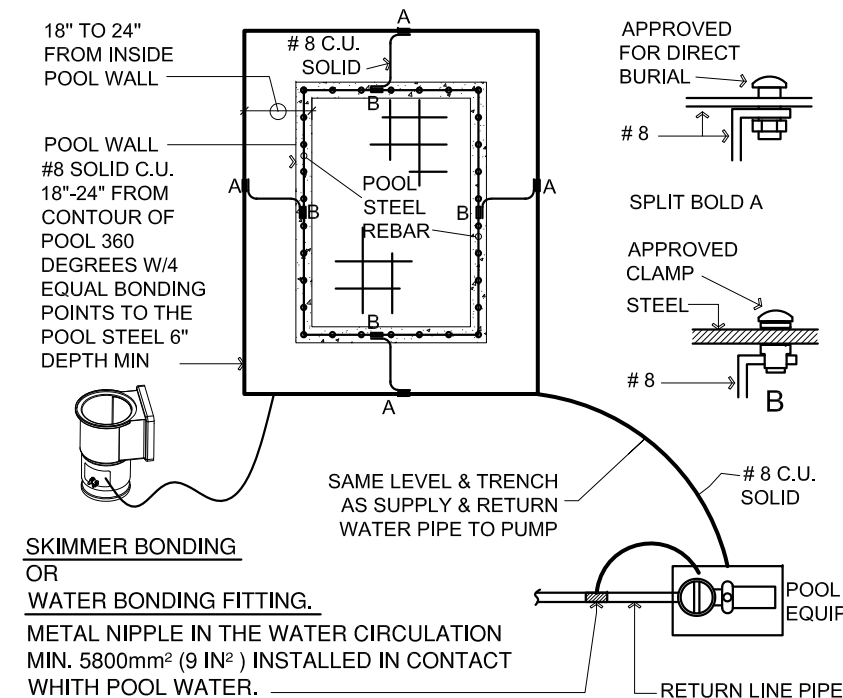


ELECTRIC RISER DIAGRAM

8" MIN. JUNCTION BOX OR LOWER VOLTAGE TRANSFORMER, TO THE MAX. WATER LEVEL OF THE POOL



NICHELESS LIGHT DETAIL
NO SCALE



EQUIPOTENTIAL BONDING GRID DETAIL
TO COMPLY 2020 NEC 680.26 (B) & (C)

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY CARLOS LOPEZ REYES P.E. 94975. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

PROJECT: NEW SWIMMING POOL

OWNER: CLARA P MARTINEZ LE

ADDRESS: 16640 NW 86 CT

ALL AMERICAN ENGINEER INC & CONSULTING, LLC
13935 SW 106 TER,
MIAMI, FLORIDA
33186 (786) 448-0384

SIGN & SEAL	
DATE	REVISION

DRAWING No:
3 OF 3