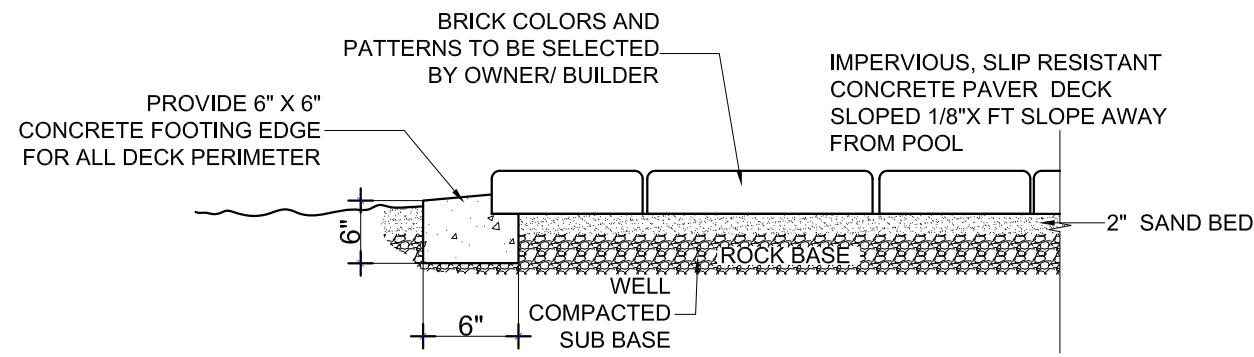
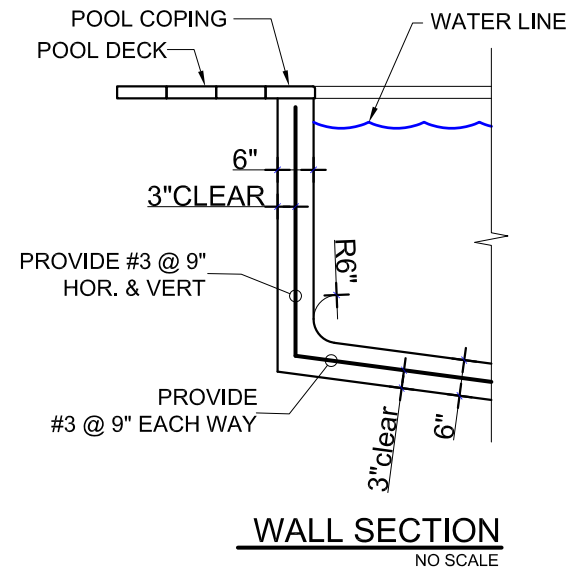
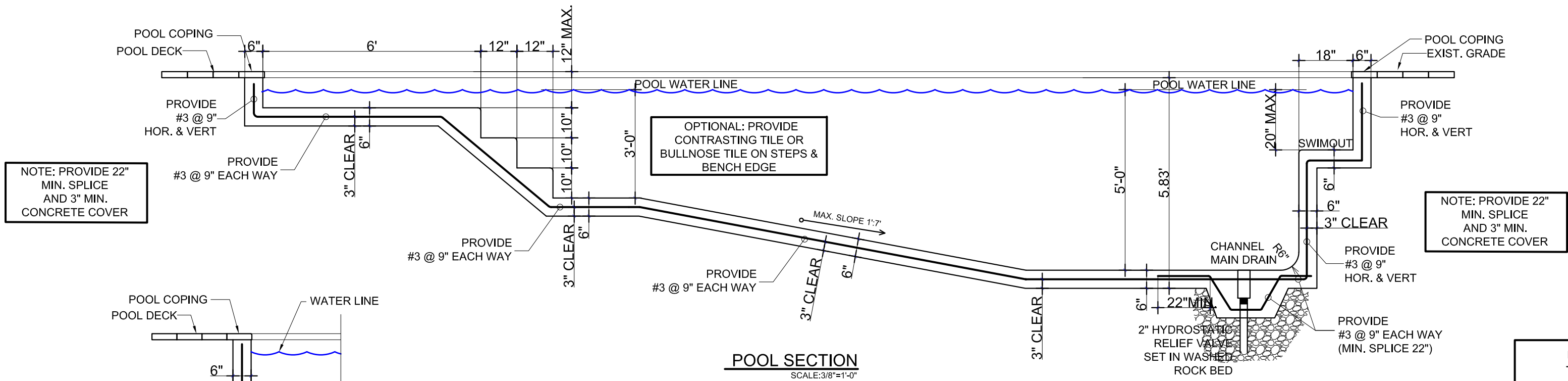
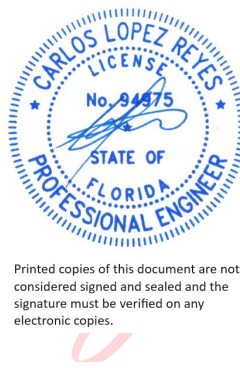
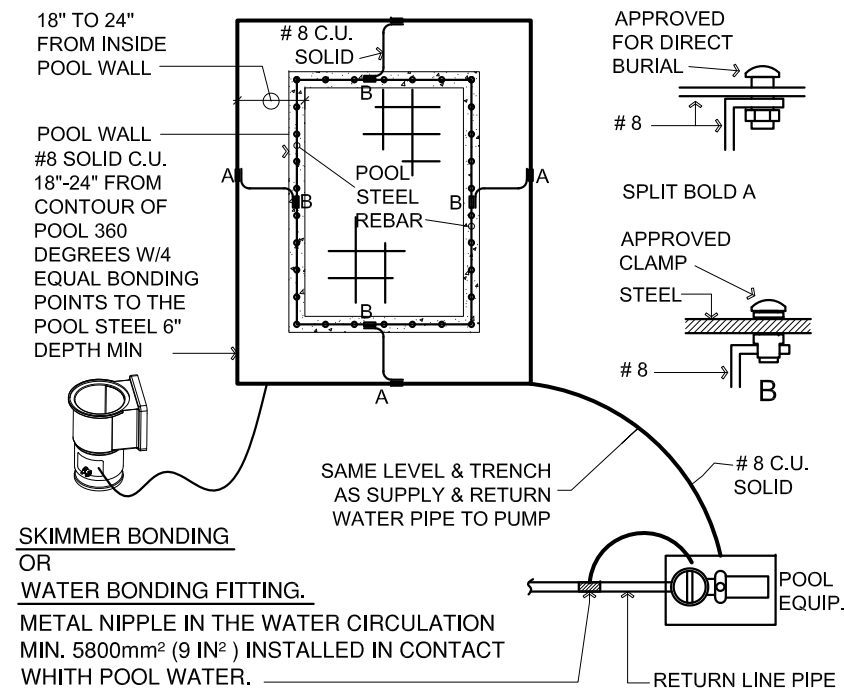
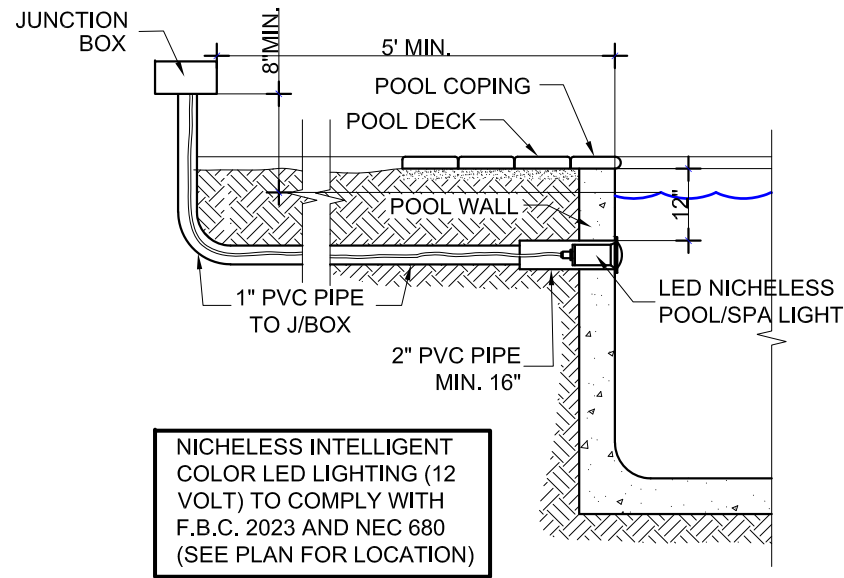
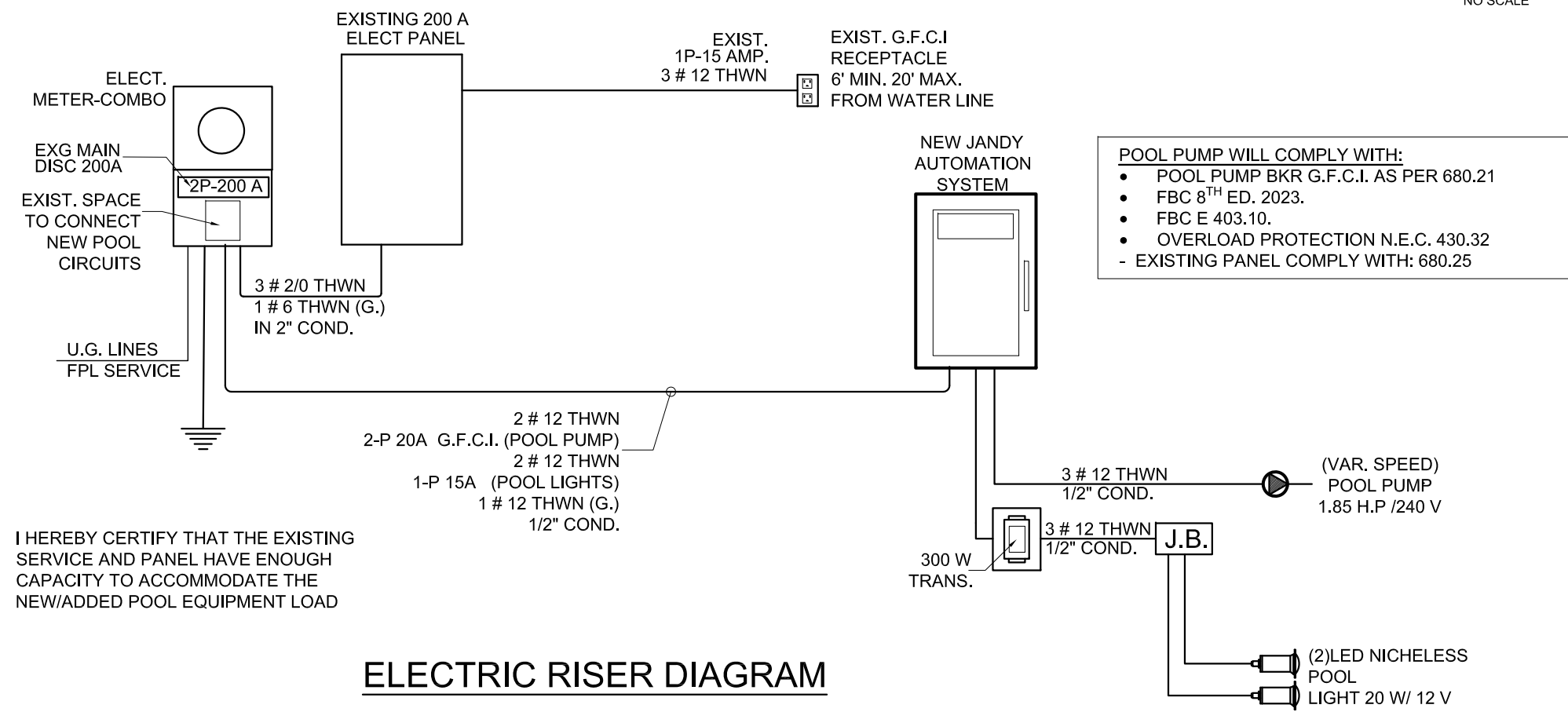




SOIL STATEMENT
A VISUAL INSPECTION AT JOB SITE SHOWED A SOIL COMPOSED OF SAND AND ROCK. A BEARING CAPACITY OF 2000 P.S.F. HAS BEEN ASSUMED. FURTHER MORE, UPON BREAKING OF GROUND, A LETTER SHALL BE SUBMITTED TO THE BUILDING OFFICIAL VERIFYING AND ATTESTING THAT THE SITE CONDITIONS ARE SIMILAR TO THOSE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

FLOTATION ANALYSIS	
TOP OF POOL WALL ELEVATION	9.15'
DEPTH OF POOL	5.83'
ELEV. TOP OF MAIN DRAIN	3.32'
COUNTY FLOOD CRITERIA	6.00'
ELEV. TOP OF MAIN DRAIN	3.32'
POOL UPLIFT FORCE	2.68'
DEDUCT 2.00' ALLOWED FOR	(-)2.00'
USE OF 2" HYDROSTATIC PRESSURE RELIEF VALVE (-2.00')	
RESULTANT UPLIFT FORCE	0.68'

UPLIFT ANALYSIS	
RESULTANT UPLIFT FORCE	(+)0.68' * 62.4 pcf = 42.43 psf (UP)
SLAB	0.50' (150 psf) = 75.00 psf (DOWN)
WALL	.50' (pool depth-4.0')(pool perimeter-88')(150 psf) = 68.75 psf (DOWN) (pool area-384)
TOTAL DOWN	143.75 (DOWN) > 42.43 psf (REQ'D DOWN)... OK
SLAB THICKNESS REQ'D	6" (#3 @ 9" O/C. EA.WAY CENTERED)
WALL THICKNESS REQ'D	6" (#3 @ 9" O/C. EA.WAY CENTERED)



Digitally signed
by Carlos
Lopez Reyes
Date:
2026.06.08
15:56:21 -04'00'

SIGN & SEAL	
REVISIONS	
1. DATE	REVISION

DRAWING No:
3 OF 3