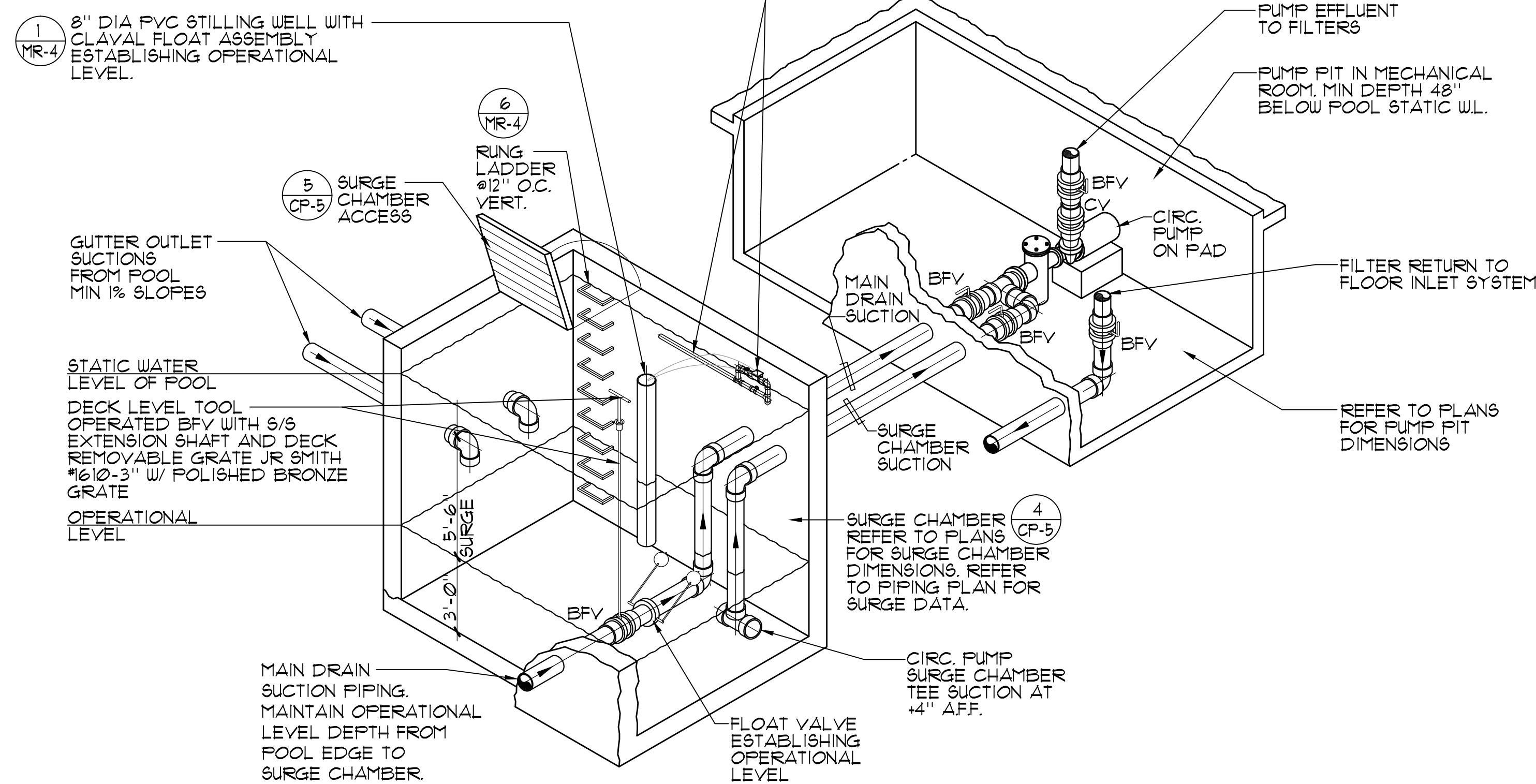
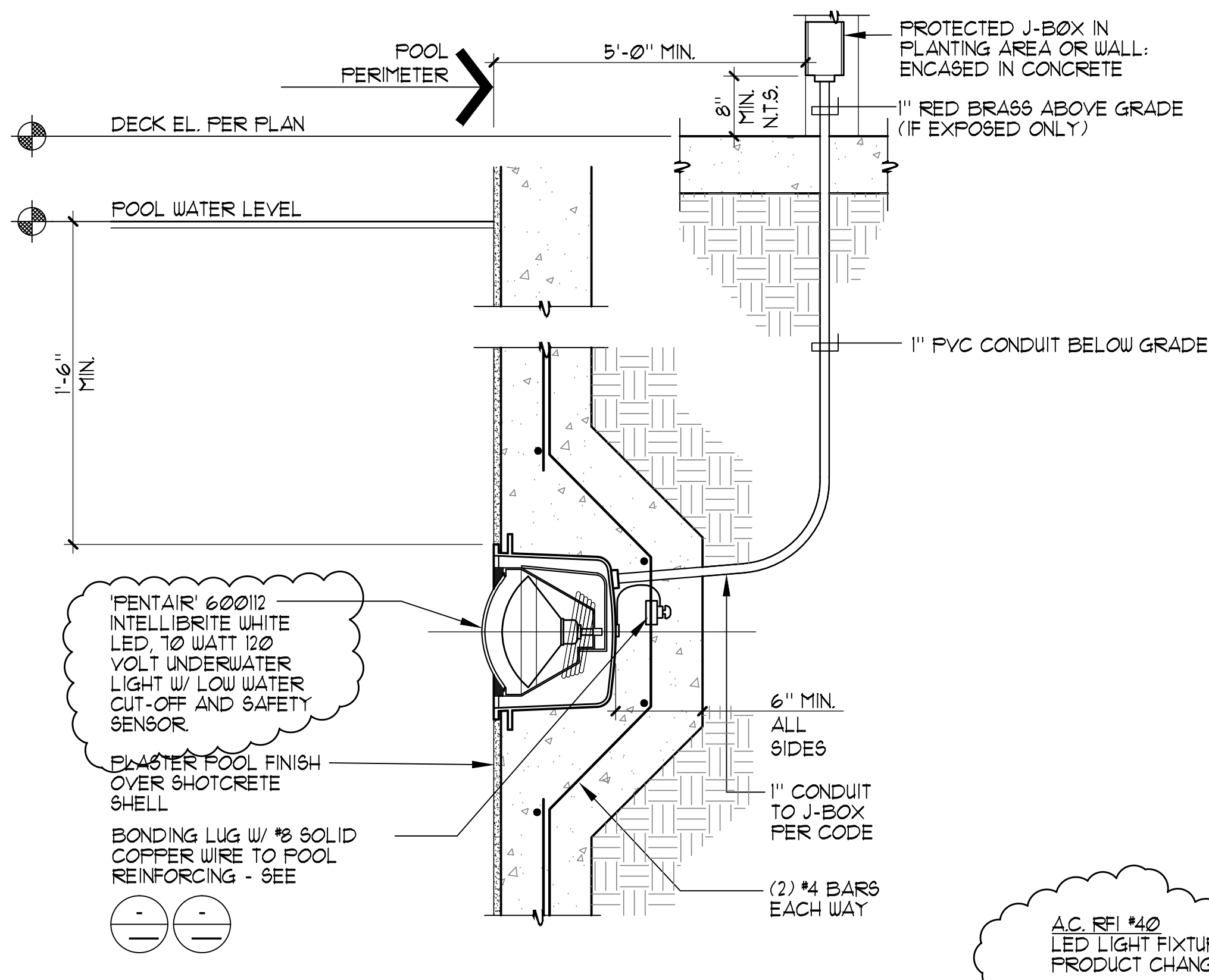


| PIPE SIZES | FLANGE WIDTH |
|--------------|--------------|
| 1/2" TO 3" | 1/2" |
| 4" TO 6" | 1 1/2" |
| 8" TO 12" | 2" |
| 12" & LARGER | 2 1/2" |

1 WATER STOP DETAIL NO SCALE

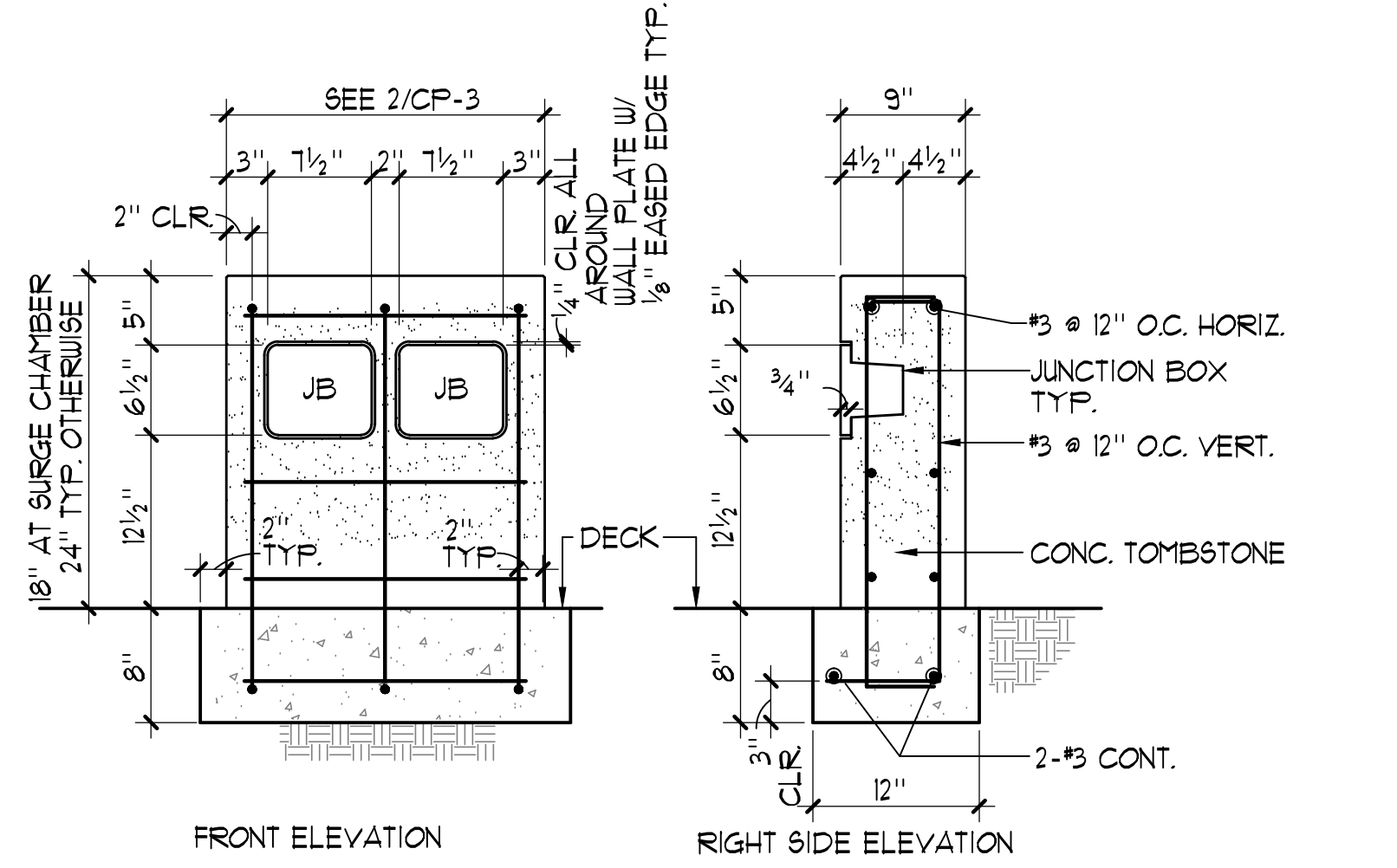


2 SURGE CHAMBER PIPING SCHEMATIC NO SCALE



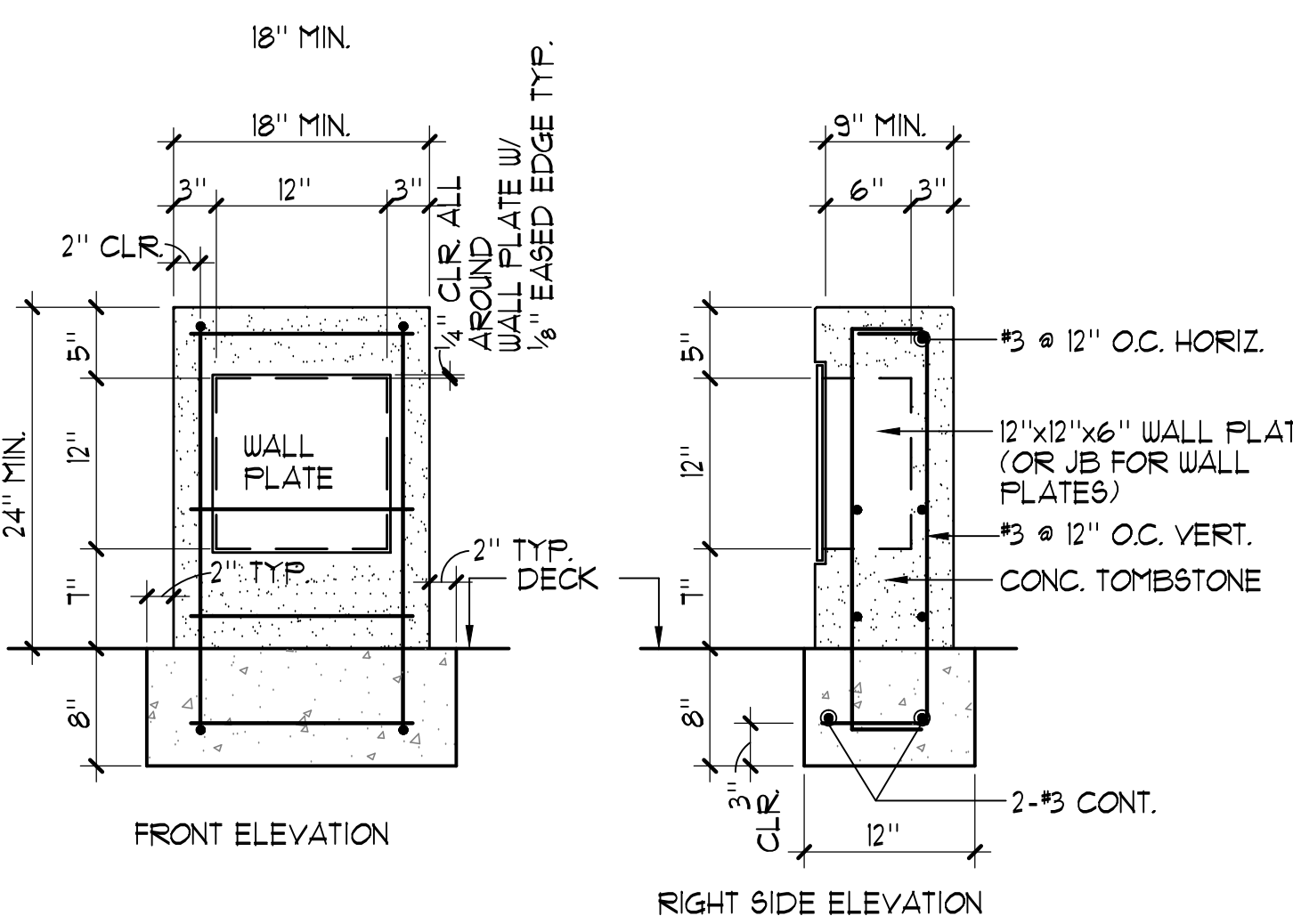
- UNDERWATER LIGHT NOTES:**
- ALL CONDUITS IN POOL LIGHTING SYSTEM TO BE A MINIMUM OF 1".
 - CONDUITS TO POOL J-BOXES SHALL BE MINIMUM 2-#4 #8 (SEE UNDERWATER LIGHT PLAN) SOLID UNBROKEN TO MAIN PANEL ISOLATED GROUND BUSS. THIS BUSS IS TO BE CONNECTED WITH SOLID INSULATED #8 COPPER WIRE TO UPPER #4 COLLECTOR GROUNDING LUGS ON GROUNDING BUSS. UPSIZE CONDUCTORS AS REQUIRED FOR HOMERUNS EXCEEDING 100'.
 - ALL BRASS POOL J-BOXES SHALL BE FLUSH MOUNTED IN WALLS. IF FLUSH MOUNTING IS NOT POSSIBLE THEN MOUNTING SHALL BE SURFACE MOUNTED AND CONCRETE ENCASED.
 - CONDUITS WHERE ALLOWED BY CODE SHALL BE PVC (POLYVINYL CHLORIDE) FROM WET NICHES TO BRASS J-BOXES TO LIGHTING PANEL. ALL CONDUITS IN FREE AIR SPACE AND ALL RISERS SHALL BE RED BRASS TYPICAL. PVC CONDUITS SHALL BE SOLVENT WELDED WITH P-10 PURPLE PRIMER AND 211 GRAY HEAVY ROPED GLUE.
 - LIGHTING CONTACTORS SHALL BE 'ALLEN-BRADLEY' 500 L+ OR EQUAL MOUNTED IN A NEMA 12 HINGED COVER - LOCKABLE ENCLOSURE. CONTACTORS TO BE SWITCHED BY MOMENTARY SWITCH EQUAL TO 'HUBBELL' #851 MOUNTED IN J-BOX IN MECHANICAL EQUIPMENT ROOM. PROVIDE REMOTE UNDERWATER LIGHT SWITCH IN POOL BUILDING CONTROL ROOM.
 - BRASS POOL J-BOXES SHALL BE 'HYDREL' #119 & W/1" HUBS OR EQUAL. (NO DIE CAST BOXES).
 - STRINGS SHALL BE PULLED IN ALL CONDUITS PRIOR TO PLACEMENT OF CONCRETE.
 - LOCAL COUNTY OR CITY CODES SHALL BE ADHERED TO. SPECIFICATIONS TO BE IN ACCORDANCE WITH SECTION 680 OF LATEST N.E.C. BOOK.
 - PROVIDE FULL BOXES AS MAY BE REQUIRED FOR RUNS EXCEEDING 150 FT. OR DUE TO CHANGES IN GRADE OR DIRECTION.
 - CONTRACTOR SHALL TEST UNDERWATER POOL LIGHT GFCI CIRCUITS AND PROVIDE LETTER TO ARCHITECT AND OWNER UPON SUCCESSFUL TEST.
 - SEAL CONDUIT OPENING IN LIGHT NICHE WITH SILICON CAULKING AFTER LIGHT IS INSTALLED.
 - PRIOR TO LIGHT INSTALLATION, PROVIDE MINIMUM 10 PSI PRESSURE TEST ON ALL POOL LIGHT CONDUITS FOR FOUR (4) HOURS OBSERVED BY INSPECTOR OF RECORD. MAINTAIN PRESSURE UNTIL ALL DECKS ARE POURED.

3 UNDERWATER LED LIGHT 1/2"=1'-0"



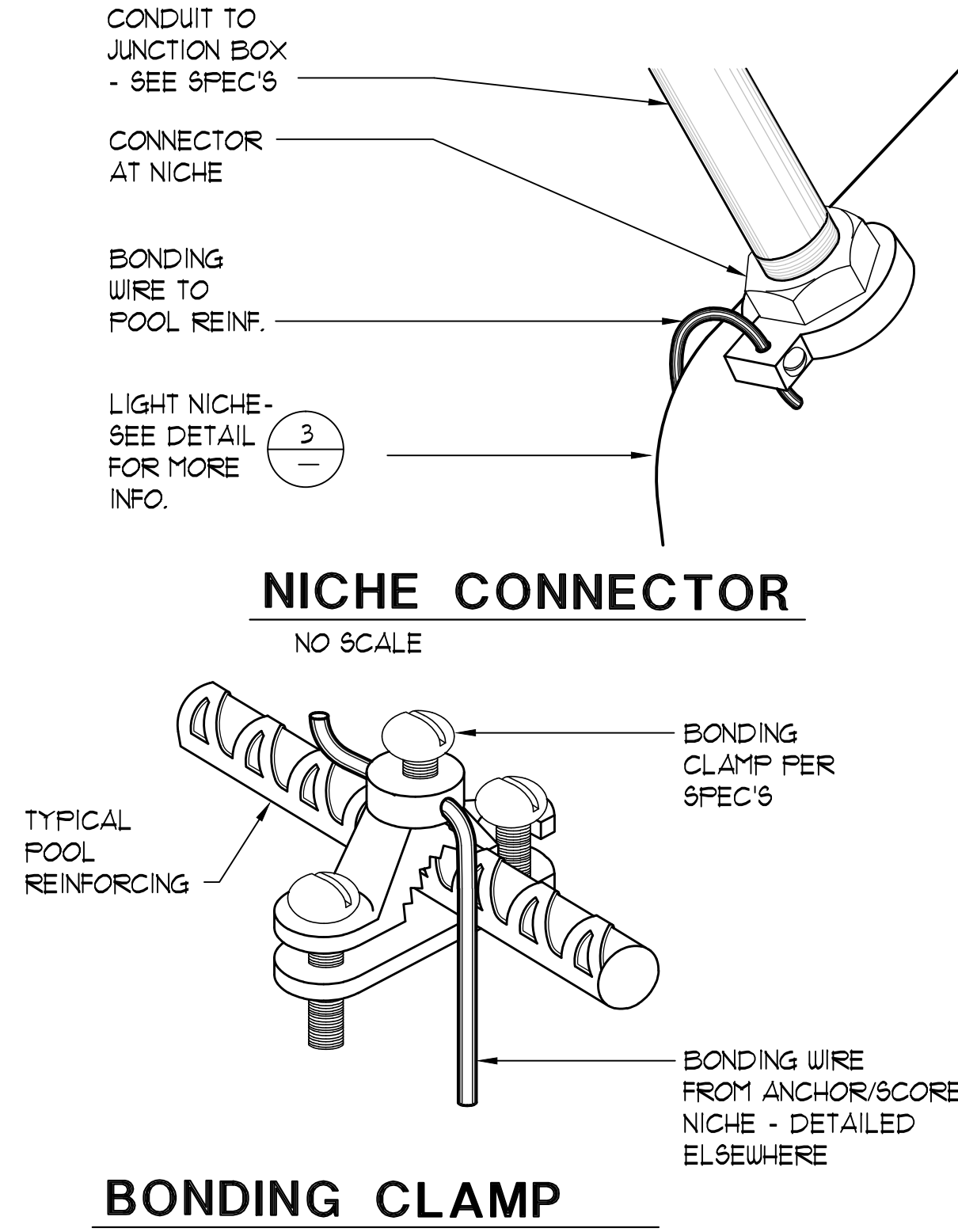
- NOTES:**
- PROVIDE 1/8" EASED EDGE ON ALL CONCRETE CORNERS. TYP.
 - ALL WALLS TO HAVE ARDEX FINISH WITH LIGHT SANDBLAST TO MATCH ALL OTHER SITE WALLS. (10) (L4.20) SIM.
 - LENGTH OF WALLS VARIES. SEE SHEET L105 FOR EXACT LENGTH AND LOCATION OF ALL WALLS.
 - SEE 2/CP-3 FOR TYPICAL PLATE LAYOUT ON ALL WALLS.
 - FACE PLATE OF JUNCTION BOX TO BE FLUSH WITH FACE OF WALL, TYP.

4 UNDERWATER LIGHT JUNCTION BOX CONCRETE SURROUND DETAIL 1"=1'-0"



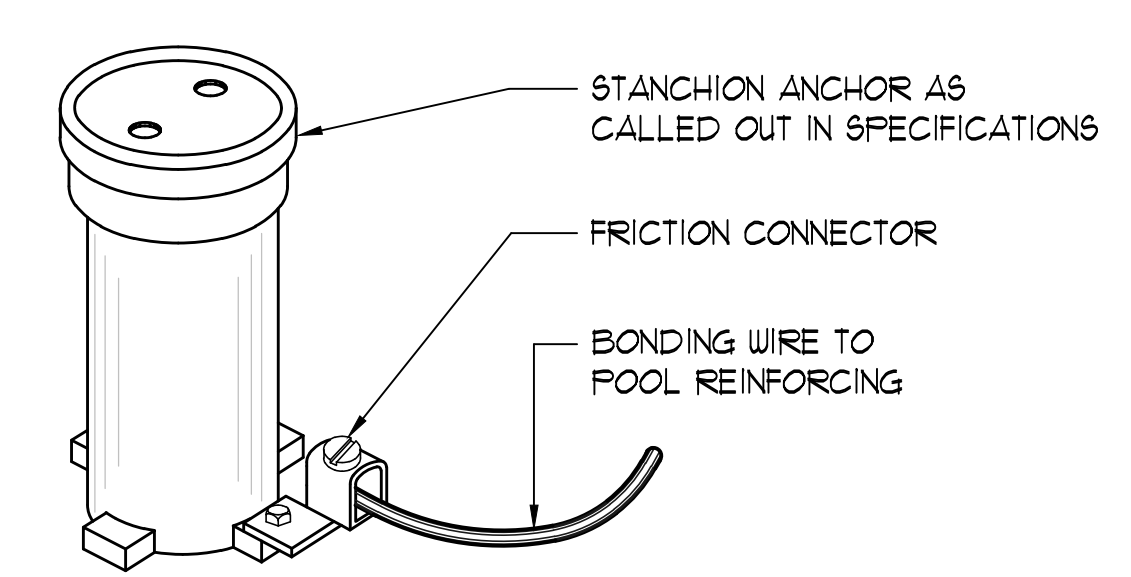
- NOTES:**
- PROVIDE 1/8" EASED EDGE ON ALL CONCRETE CORNERS. TYP.
 - ALL WALLS TO HAVE ARDEX FINISH WITH LIGHT SANDBLAST TO MATCH ALL OTHER SITE WALLS. (10) (L4.20) SIM.
 - LENGTH OF WALLS VARIES. SEE LAYOUT AND MATERIALS PLAN, SHEET L105 FOR EXACT LENGTH AND LOCATION OF ALL WALLS.
 - SEE 2/CP-3 FOR TYPICAL PLATE LAYOUT ON ALL WALLS.
 - FACE PLATE TO BE FLUSH WITH FACE OF WALL, TYP.

5 TIMING SYSTEM WALL PLATE CONCRETE SURROUND DETAIL 1"=1'-0"

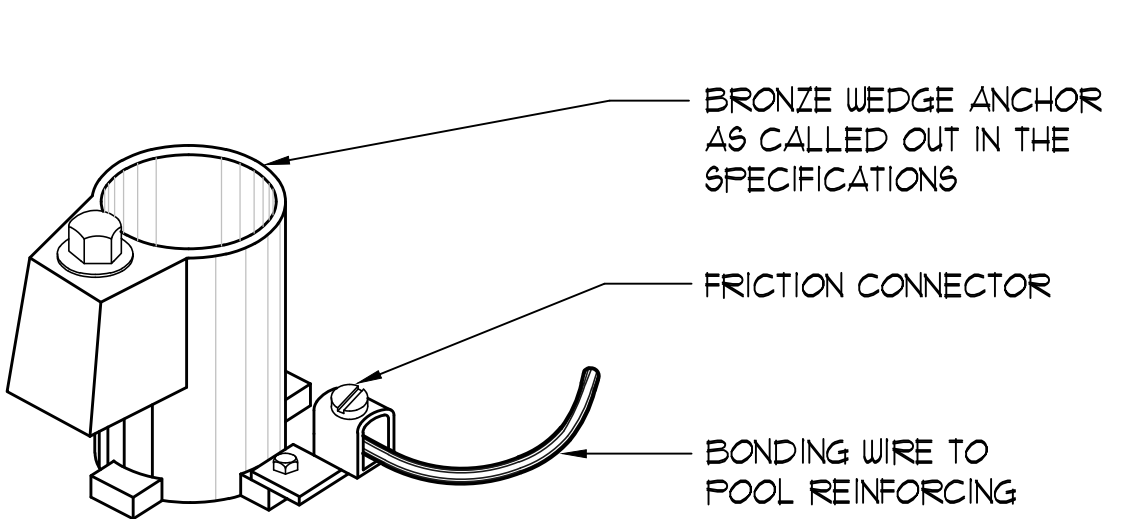


NICHE CONNECTOR NO SCALE

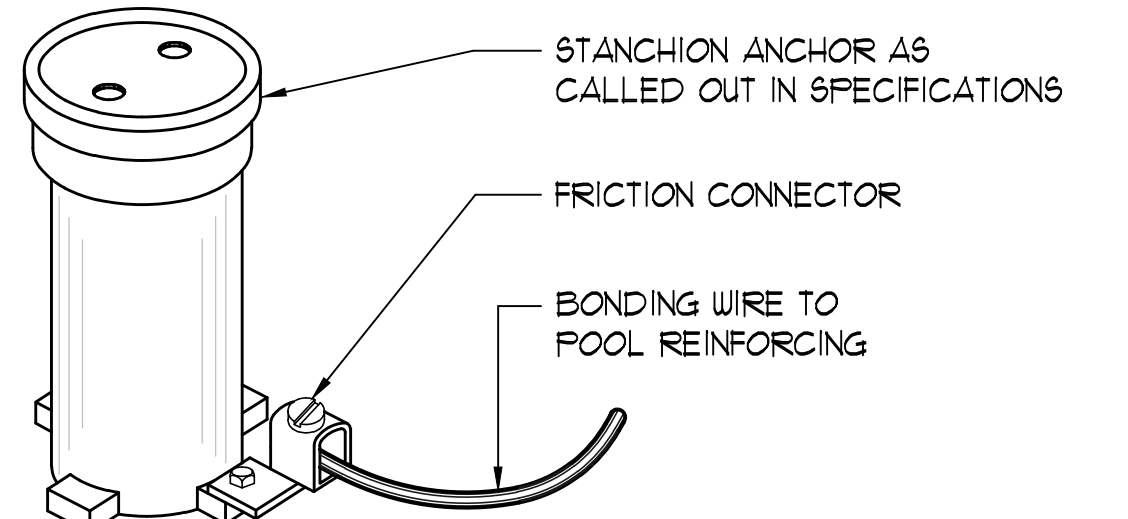
BONDING CLAMP NO SCALE



STANCHION ANCHOR NO SCALE



WEDGE ANCHOR NO SCALE

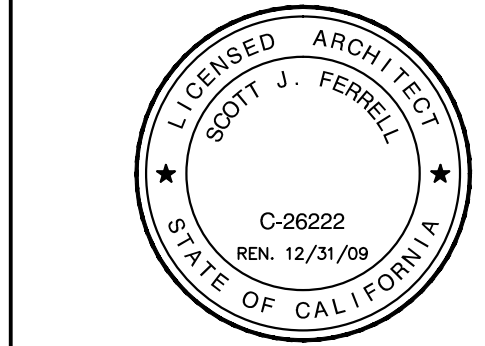
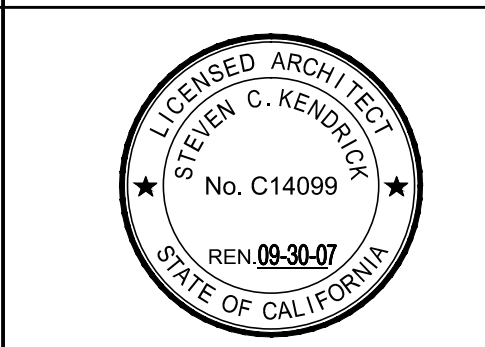


STARTING BLOCK ANCHOR NO SCALE

BONDING DETAILS NO SCALE



McCarthy Building Companies, Inc.
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San Francisco, California 94104
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F 415 397-5999



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FILE NUMBER: 41-C1

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College of San Mateo
Site Package
San Mateo, CA
Developed for
San Mateo County Community College District

| Revision | Description | Date |
|----------|------------------------|---------------|
| 19 | SUBMITTAL | 19 SEPT 2008 |
| 09 | FINAL | 09 APRIL 2009 |
| | PROJECT RECORD DRAWING | JUNE, 2011 |

Job No. 27092.30
Date 09 APRIL 2009
Drawn by NFC
Checked by SJF
Scale AS NOTED

DETAILS

CP-8