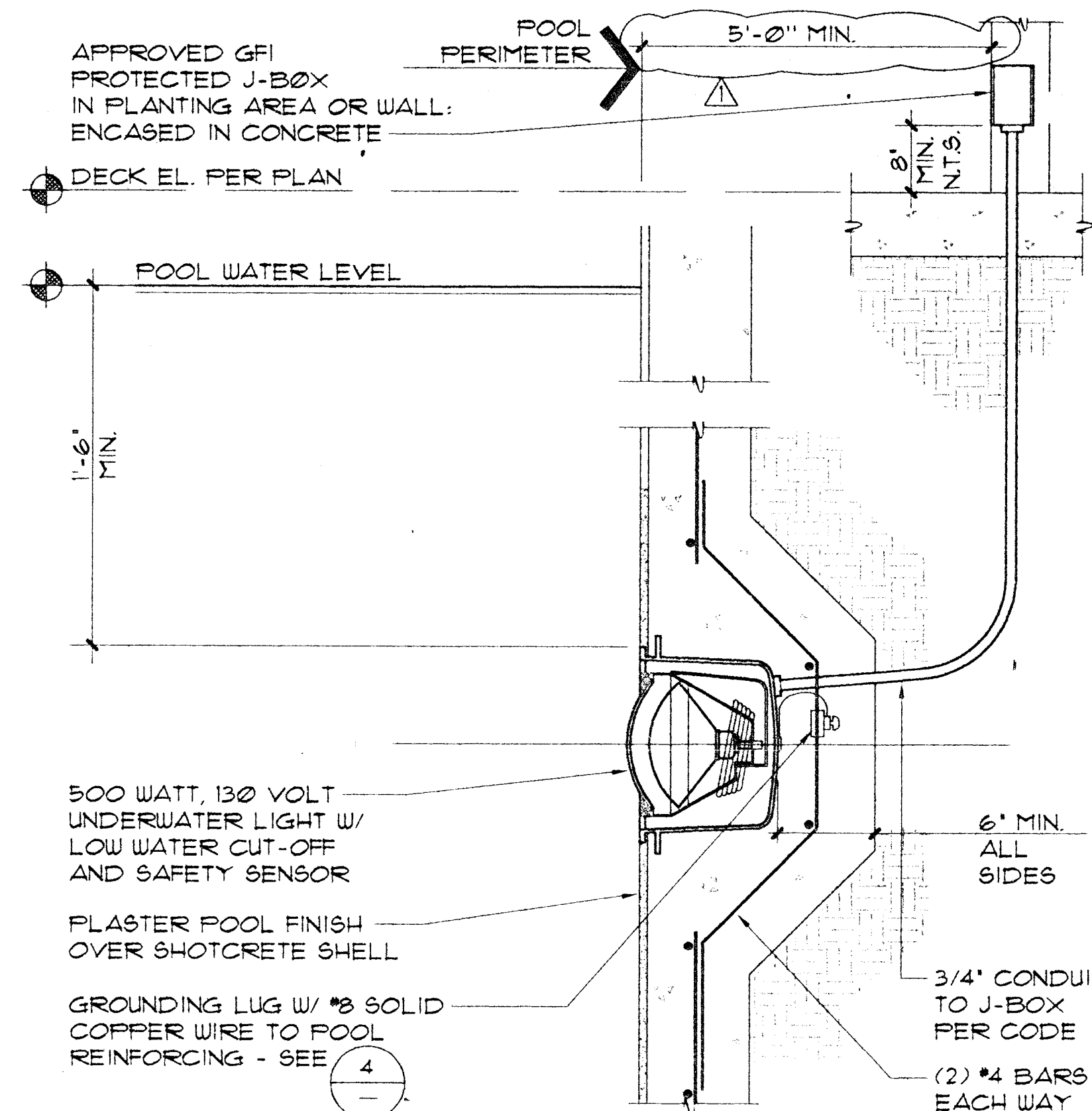


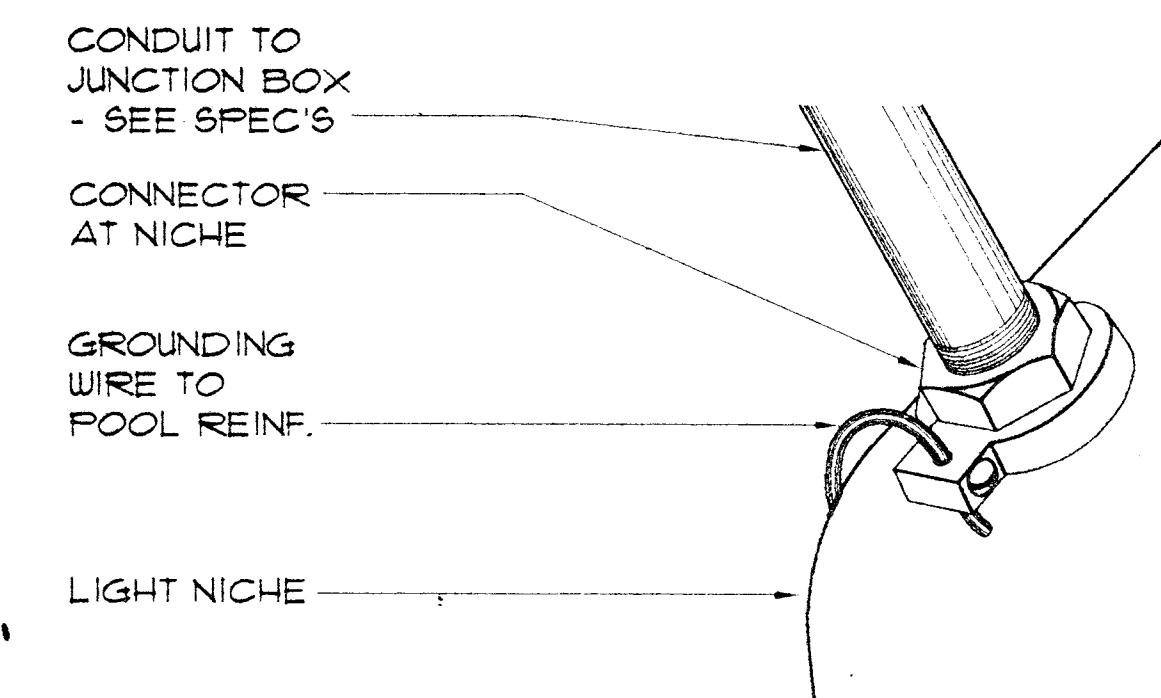


UNDERWATER LIGHT NOTES:

1. ALL CONDUITS IN POOL LIGHTING SYSTEM TO BE A MINIMUM OF 3/4" Ø.
2. CONDUCTORS TO POOL GFI J-BOXES SHALL BE MINIMUM 2-#10 & #12 SOLID UNBROKEN TO MAIN PANEL. ISOLATED GROUND BUSS. THIS BUSS IS TO BE CONNECTED WITH SOLID INSULATED #8 COPPER WIRE TO UFER & COLDWATER GROUNDING LUG ON GROUNDING BUSS.
3. 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.
4. CONDUITS WHERE ALLOWED BY CODE SHALL BE P.V.C. (POLYVINYL CHLORIDE) FROM WET NICHES TO BRASS J-BOXES TO LIGHTING PANEL. ALL CONDUITS IN FREE AIR SPACE AND ALL RISERS SHALL BE GALVANIZED TYPICAL.
5. 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' #551 MOUNTED IN J-BOX IN MECHANICAL EQUIPMENT ROOM.
6. BRASS POOL J-BOXES SHALL BE 'HYDREL' #119 & W/3/4" HUBS OR EQUAL. (NO DIE CAST BOXES).
7. STRINGS SHALL BE FULLED IN ALL CONDUITS PRIOR TO PLACEMENT OF CONCRETE.
8. LOCAL, COUNTY OR CITY CODES SHALL BE ADHERED TO, SPECIFICATIONS TO BE IN ACCORDANCE WITH SECTION 680 OF LATEST N.E.C. BOOK.
9. PROVIDE FULL BOXES AS MAY BE REQUIRED FOR RUNS EXCEEDING 150 FT. OR DUE TO CHANGES IN GRADE OR DIRECTION.

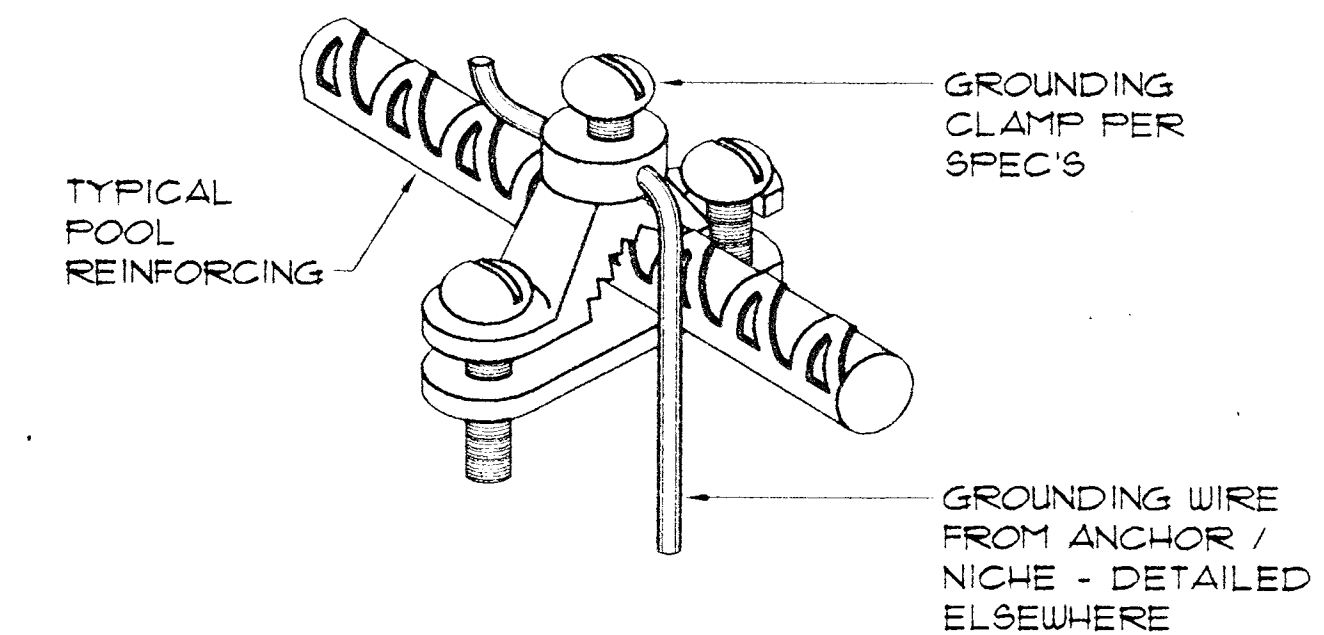
UNDERWATER LIGHT

1/2" = 1'-0"



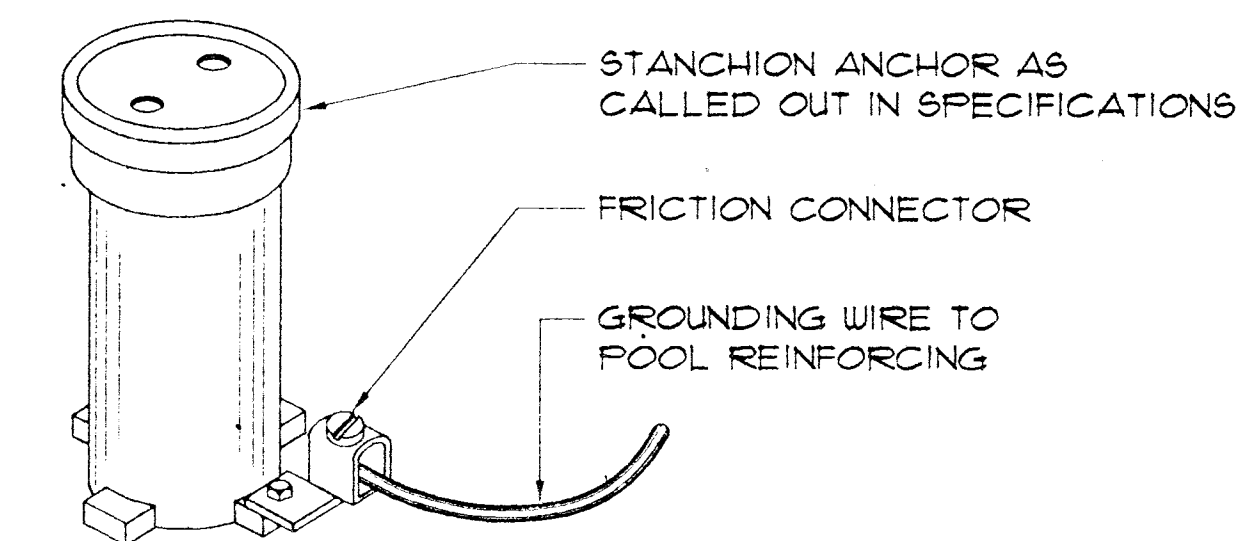
NICHE CONNECTOR

NO SCALE



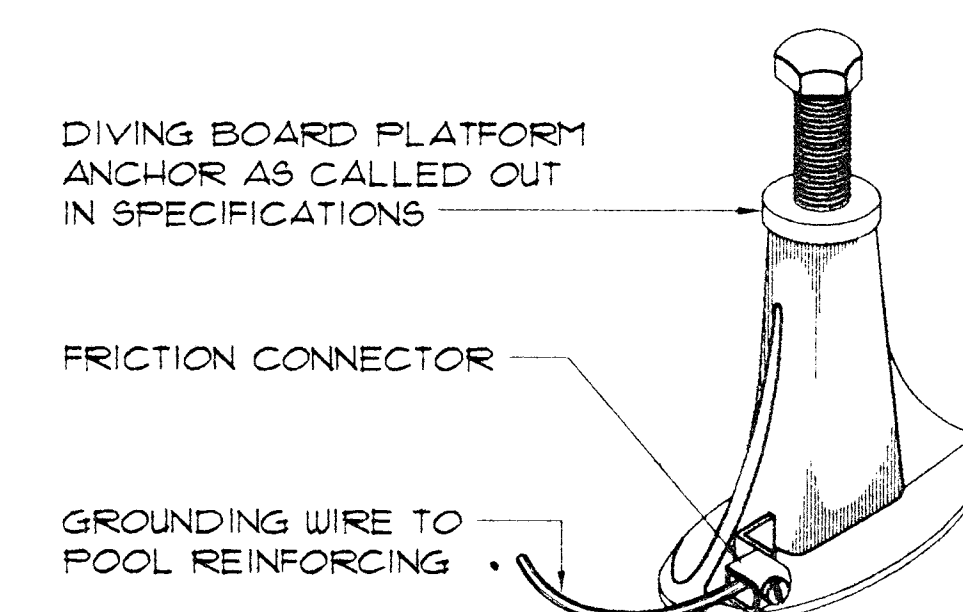
GROUNDING CLAMP

NO SCALE



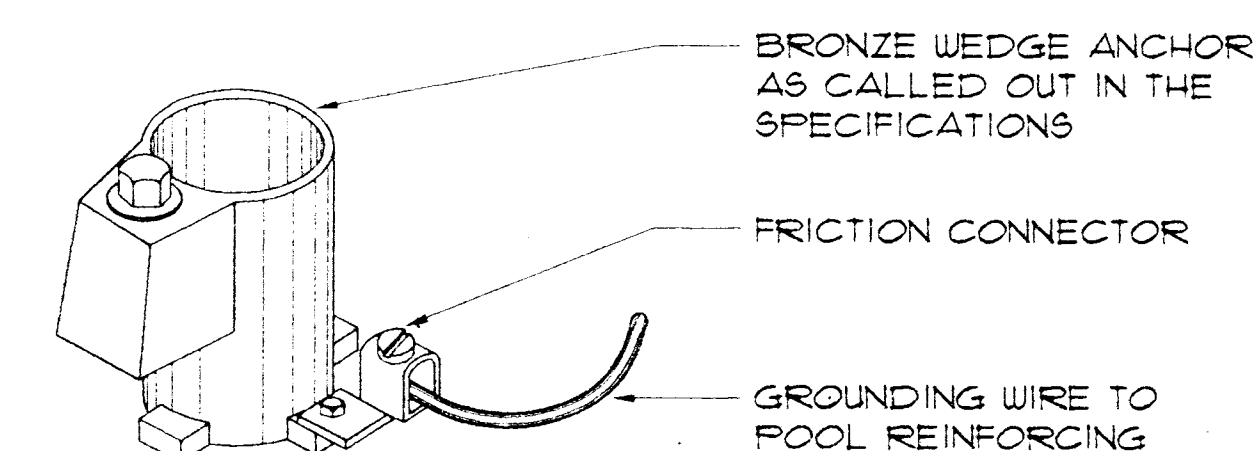
STANCHION ANCHOR

NO SCALE



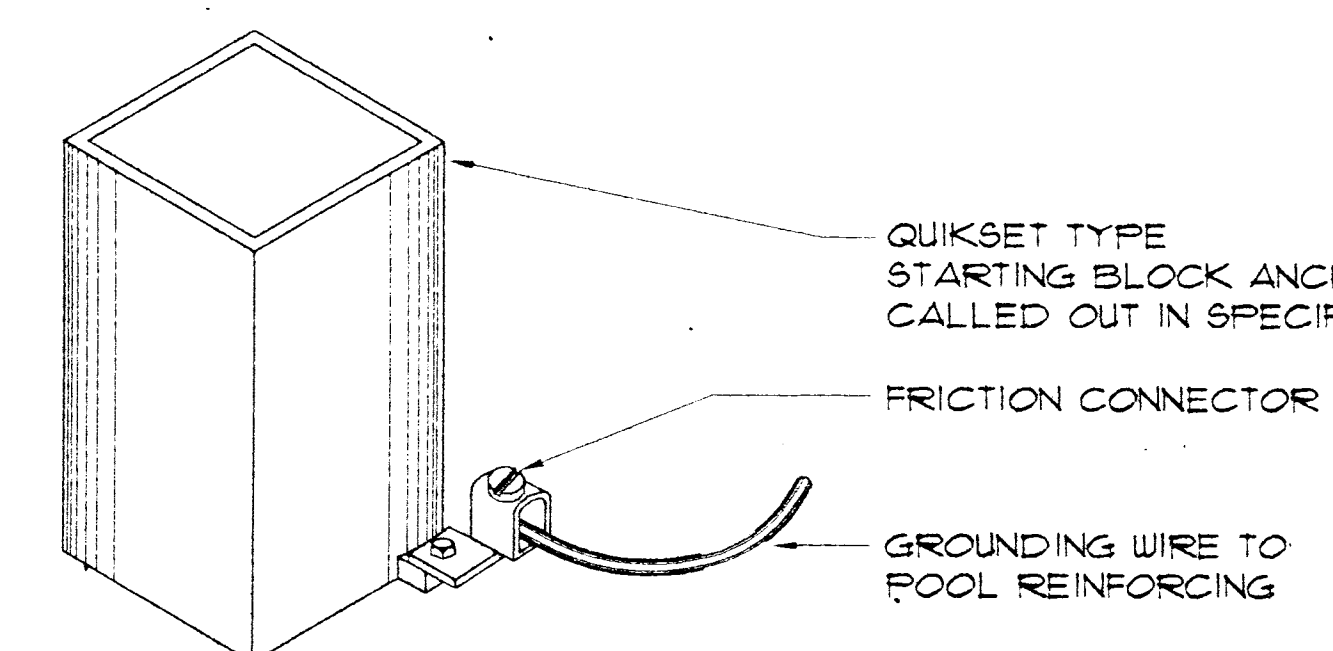
DIVING BOARD PLATFORM ANCHOR

NO SCALE



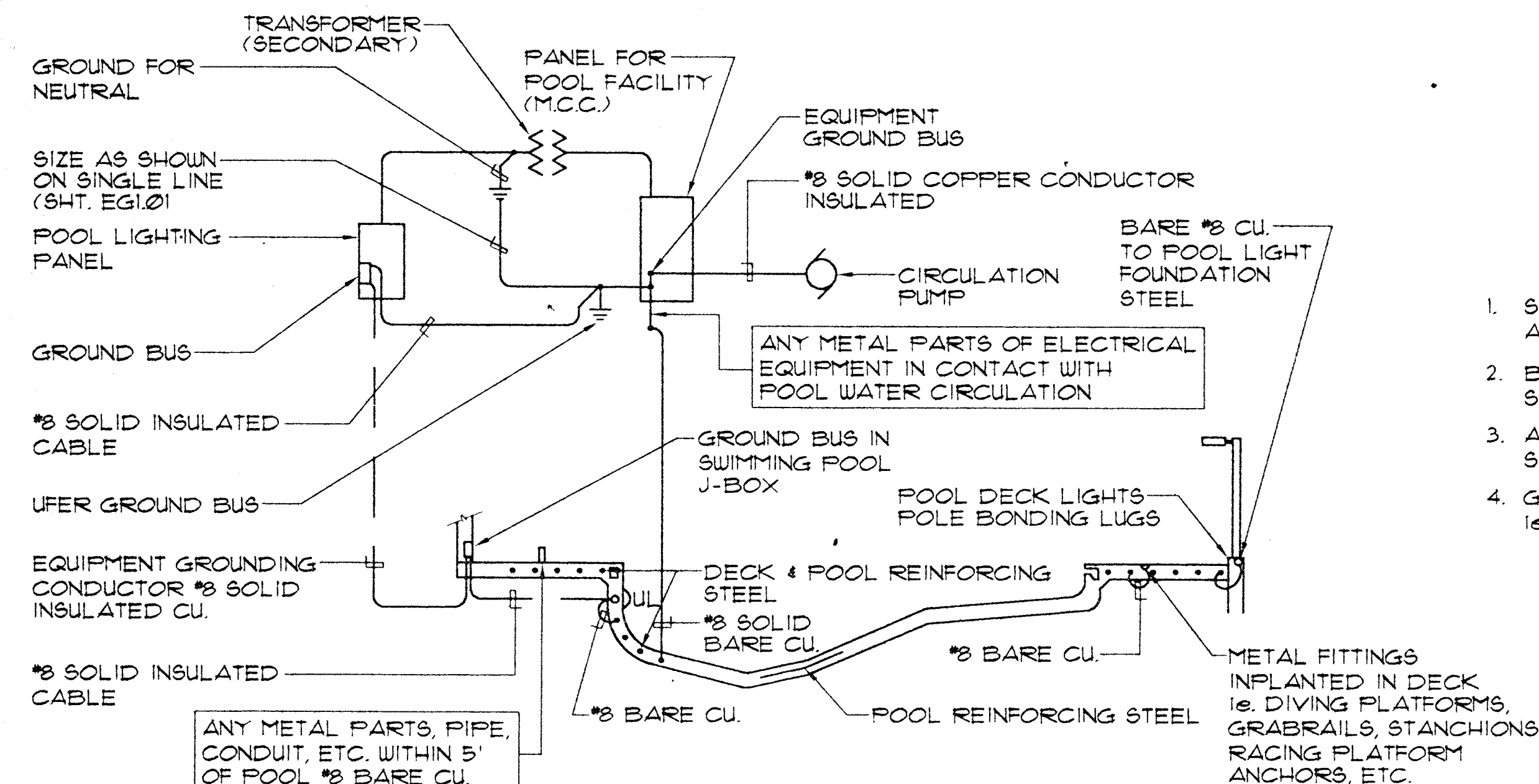
WEDGE ANCHOR

NO SCALE



STARTING BLOCK ANCHOR

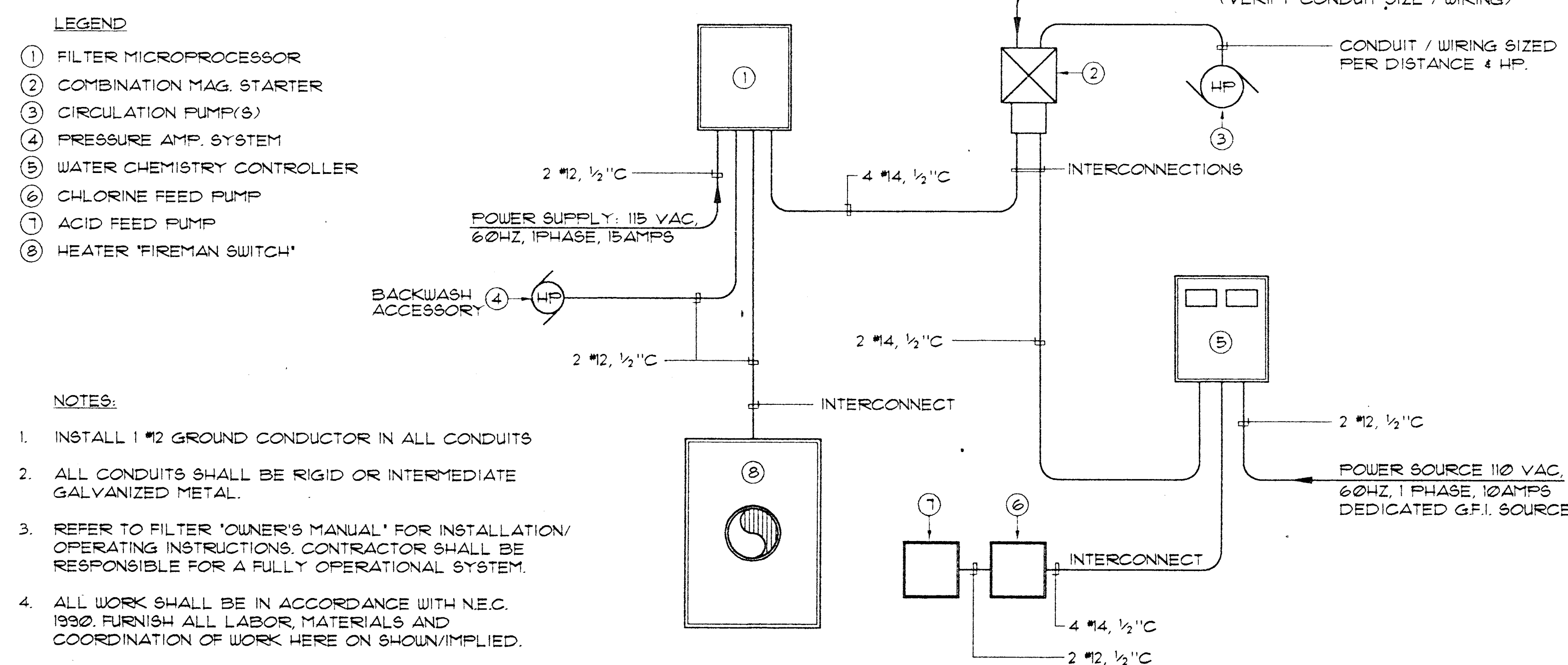
NO SCALE



1. STRUCTURAL STEEL IN POOL DECK AND POOL SHALL BE BONDED TOGETHER (STEEL TIE-WIRES ARE APPROVED FOR BONDING STRUCTURAL ELEMENTS).
2. BONDING CONNECTOR TO COMMON GRID. (POOL STEEL MAY BE USED FOR THAT PURPOSE) SHALL BE MADE BY PRESSURE CONNECTORS OR CLAMPS OF BRASS, COPPER, OR COPPER ALLOY.
3. ALL GROUND BUSES SHALL BE SIZED FOR CONNECTION TO AWG SIZE 8 WIRE PROVIDING ONE SPARE TERMINAL.
4. GROUND AND BOND IN ACCORDANCE WITH ARTICLE 680 OF THE NATIONAL ELECTRICAL CODE. i.e. LADDERS, FENCING, POLE LIGHTS, DIVING & STARTING STANCHIONS, HANDICAP HOIST ETC.

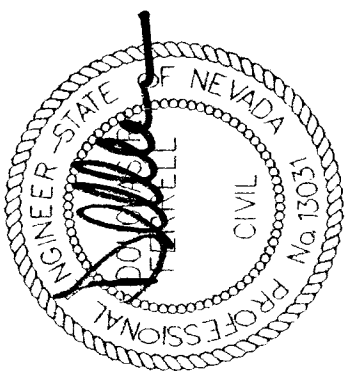
TYPICAL POOL BONDING AND GROUND DETAIL

NO SCALE



ELECTRICAL INTERCONNECTION SINGLE LINE DIAGRAM

NO SCALE



800 BELLEFLORE AVE.
SUNNYVALE, CALIFORNIA 94086
(415) 351-0000

DETAILS

SUMMERLIN ARBORS PARK

POOL AND POOL BUILDING

RECEIVED

MAY - 4 2000

CITY OF LAS VEGAS

CENTRAL PERMITS

Sheet Number: 4/23/00 HD, CORR.

Project No. 320235-00

Scale: AS NOTED

Drawn By: N/C