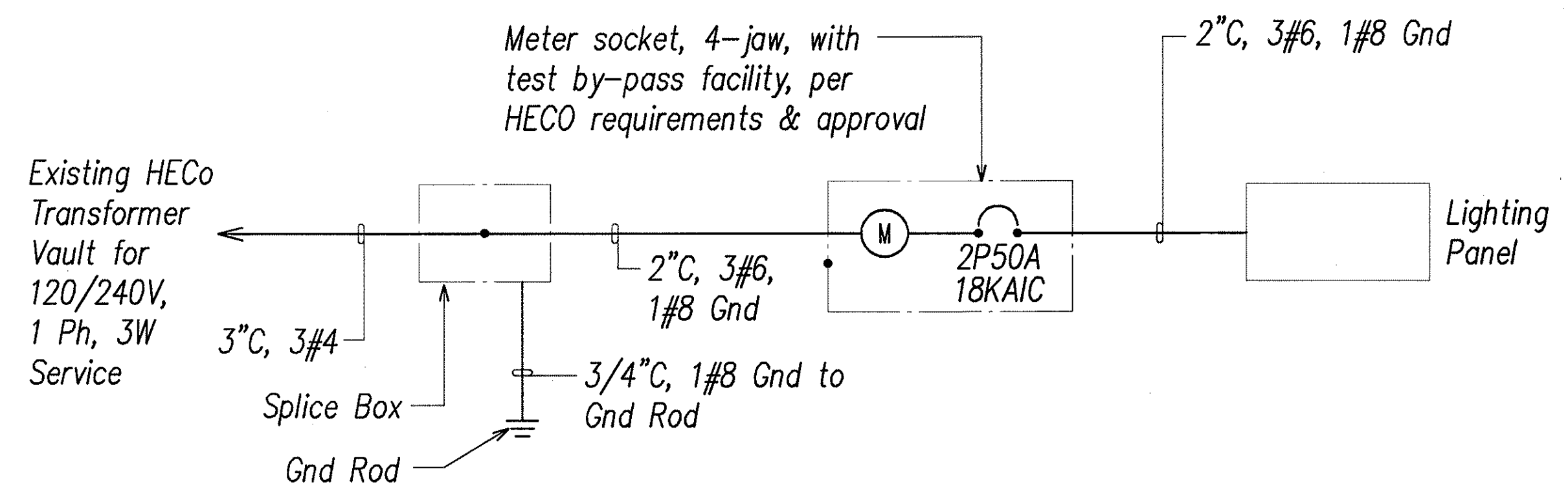
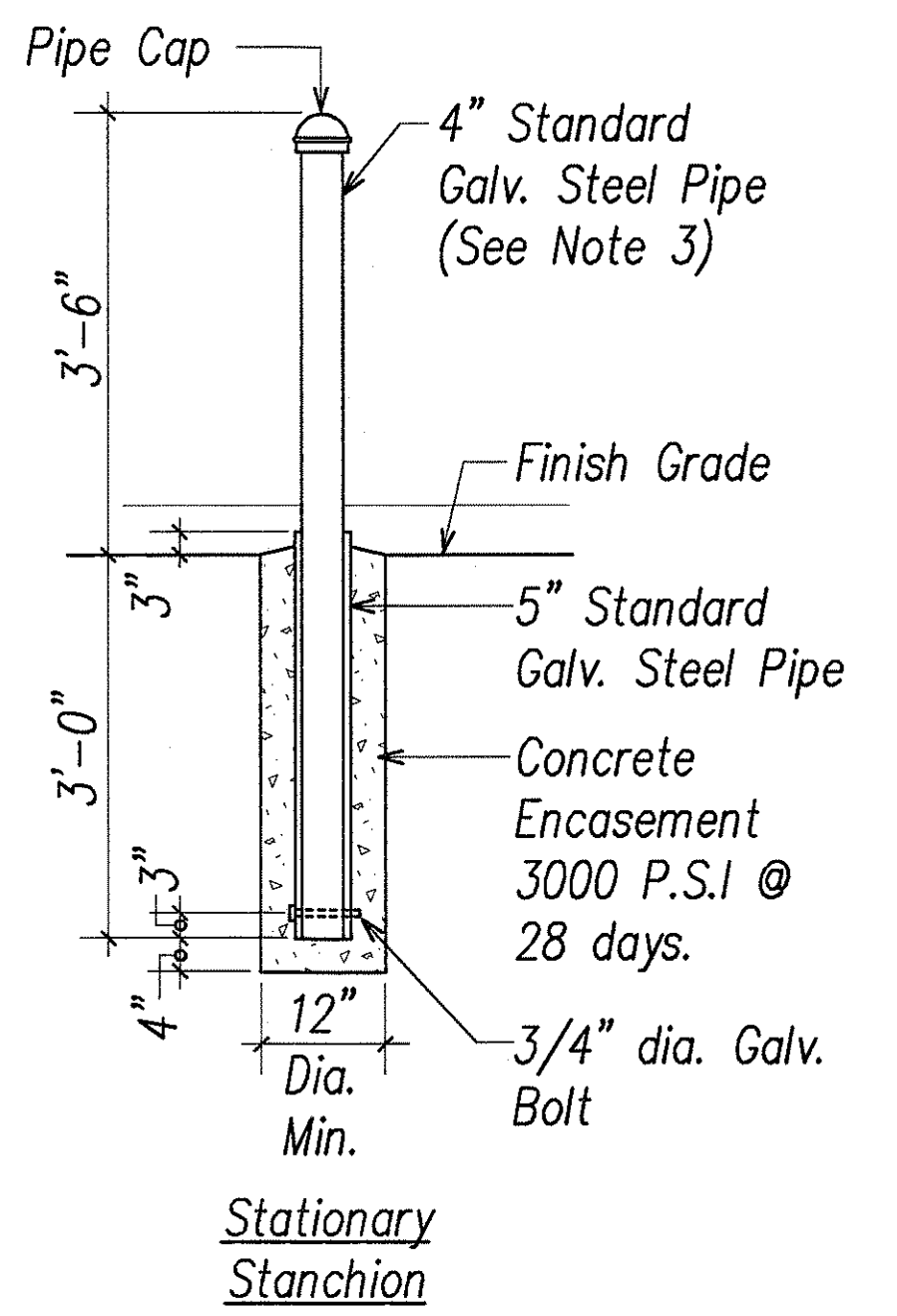




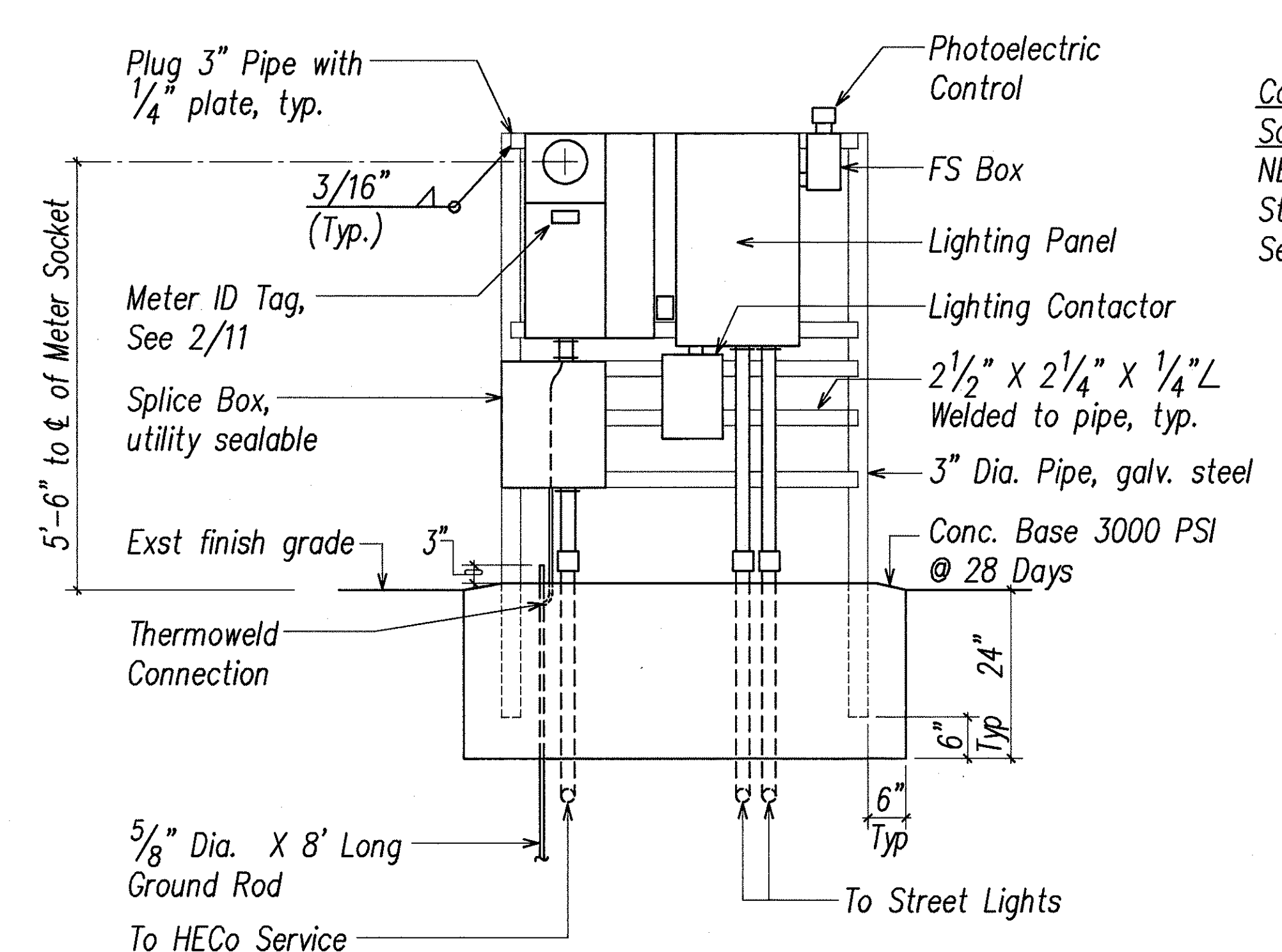
ELECTRICAL ONE-LINE DIAGRAM

LIGHTING PANEL												120/240V, 1 Phase, 3 Wire, Industrial Bolted, 100A Main Lugs, 10 KAIC, NEMA 4X Enclosure											
Ckt. No.	Use: L-Lts, R-Rcpt, S-Spare, PFB-Prov. Future Breakers	Breaker		Wire Size	KVA on Busses				Wire Size	Breaker		Use: L-Lts, R-Rcpt, S-Spare, PFB-Prov. Future Breakers	Ckt. No.										
		Pole	Amp		L1		L2			Pole	Amp												
1	Street Lights	2	20	10	0.2	1.4			4	2	20	Street Lights	2										
3	—	—	—	10			0.2	1.4	4	—	—		4										
5	PFB	1	—						1	20		Lighting Control	6										
7	PFB	1	—						1	—		PFB	8										
Connected Load Per Phase					1.6		1.6																
Total Connected Load													3.2										

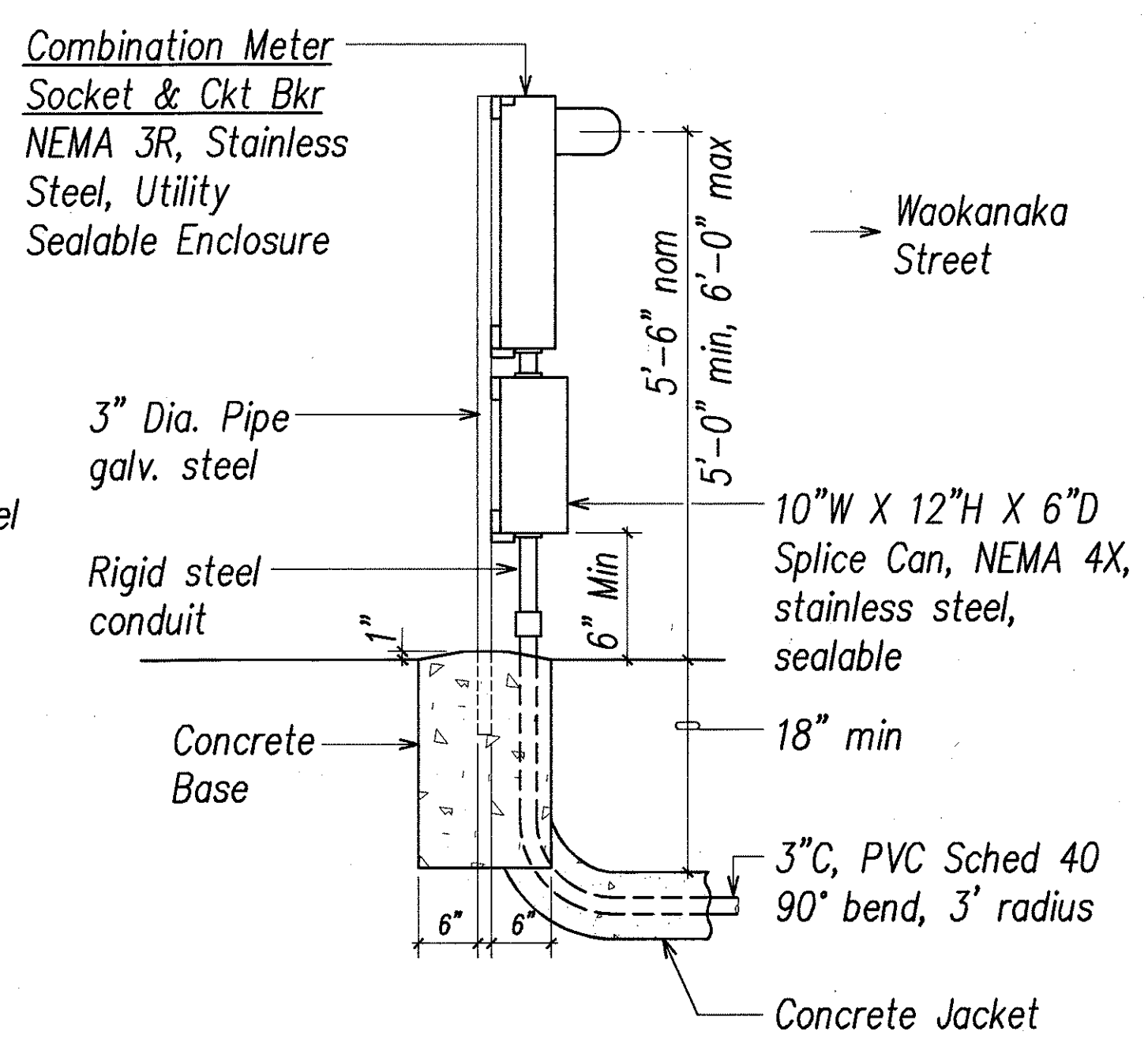


- Notes:
- Stationary galv. pipe shall be filled with 2500 p.s.i. concrete to weigh approximately 150 lbs.
 - Stanchions shall be painted yellow per ANSI spec. z53.1 to comply with OSHA standards per color coding.
 - Steel pipe shall conform to ASTM A53.
 - Pipe barriers shall be incidental to the electrical service equipment installation.

3 Pipe Barrier
11 Not to Scale

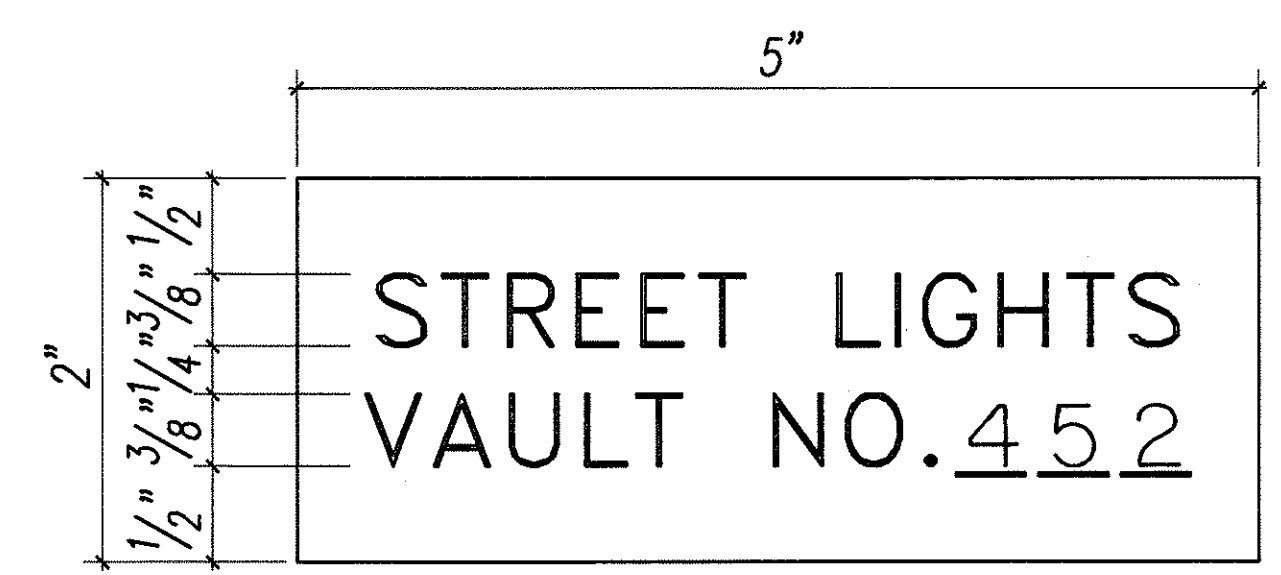


FRONT ELEVATION



SIDE ELEVATION

1 ELECTRICAL SERVICE EQUIPMENT ELEVATIONS
11 Not to Scale

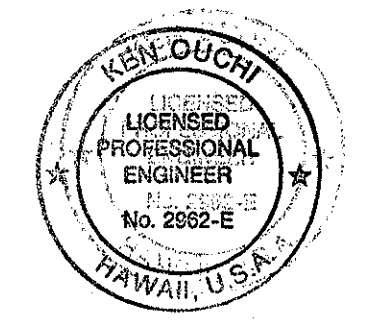


- Notes:
- Use 3-ply laminated flexible plastic, black-white-black. Thickness: Black cap & base sheet - 0.010", white middle sheet - 0.052".
 - Letters and numbers shall be engraved 3/8" high, 1/16" stroke, white in color.
 - Attach to meter socket using Scotch 3M brand very high bond (VHB) double coated acrylic foam tape or equivalent.
 - Letters and numbers shall be engraved through "black cap sheet" to expose "white" letters.

2 METER I.D. TAG DETAIL
11 Not to Scale

ORIGINAL PLAN
DRAWN BY
DESIGNED BY
QUANTITIES BY
DATE

LAST SAVE: 02/10/99 10:08:45 AM
Z:\ACAD\PROJECTS\07185\1185SET



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
RONALD N. S. HO & ASSOC., INC.
ELECTRICAL ENGINEERS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAILS/DIAGRAM
WAIKANAKA STREET
INSTALLATION OF HIGHWAY LIGHTS
PROJECT NO. HWY-0-10-98
SCALE: AS NOTED
DATE: JAN 1999
SHEET No. 11 OF 13 SHEETS