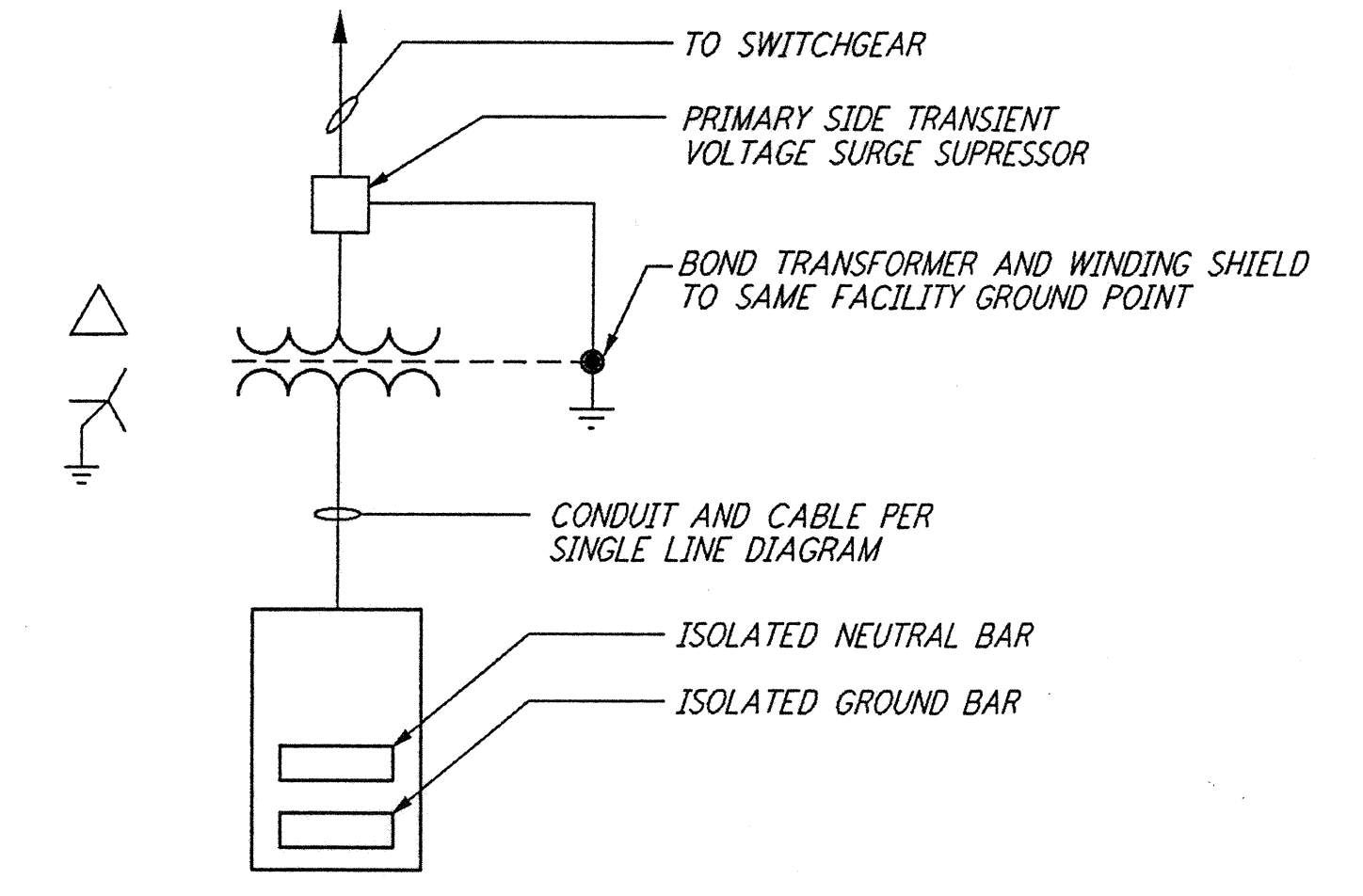
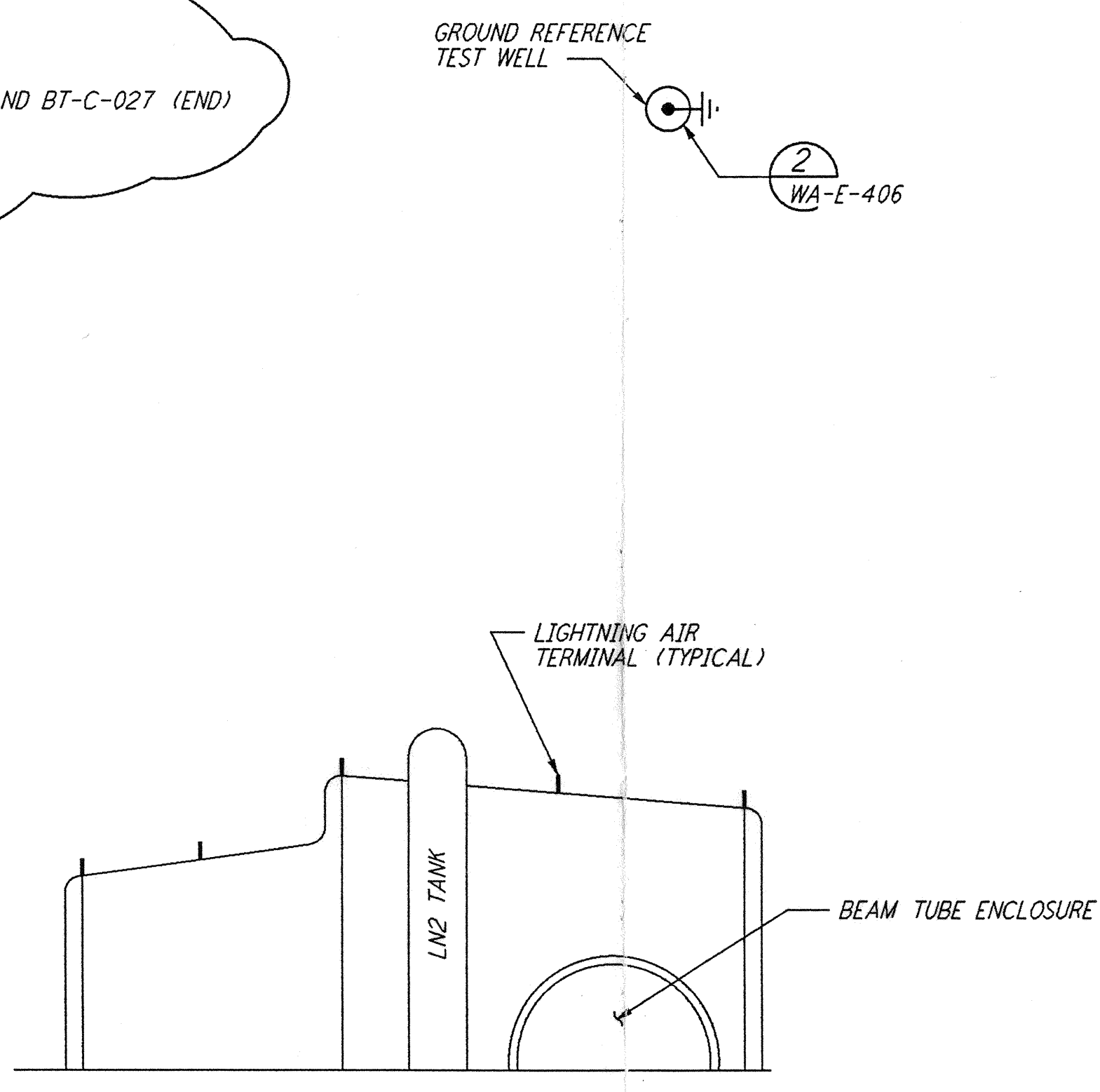
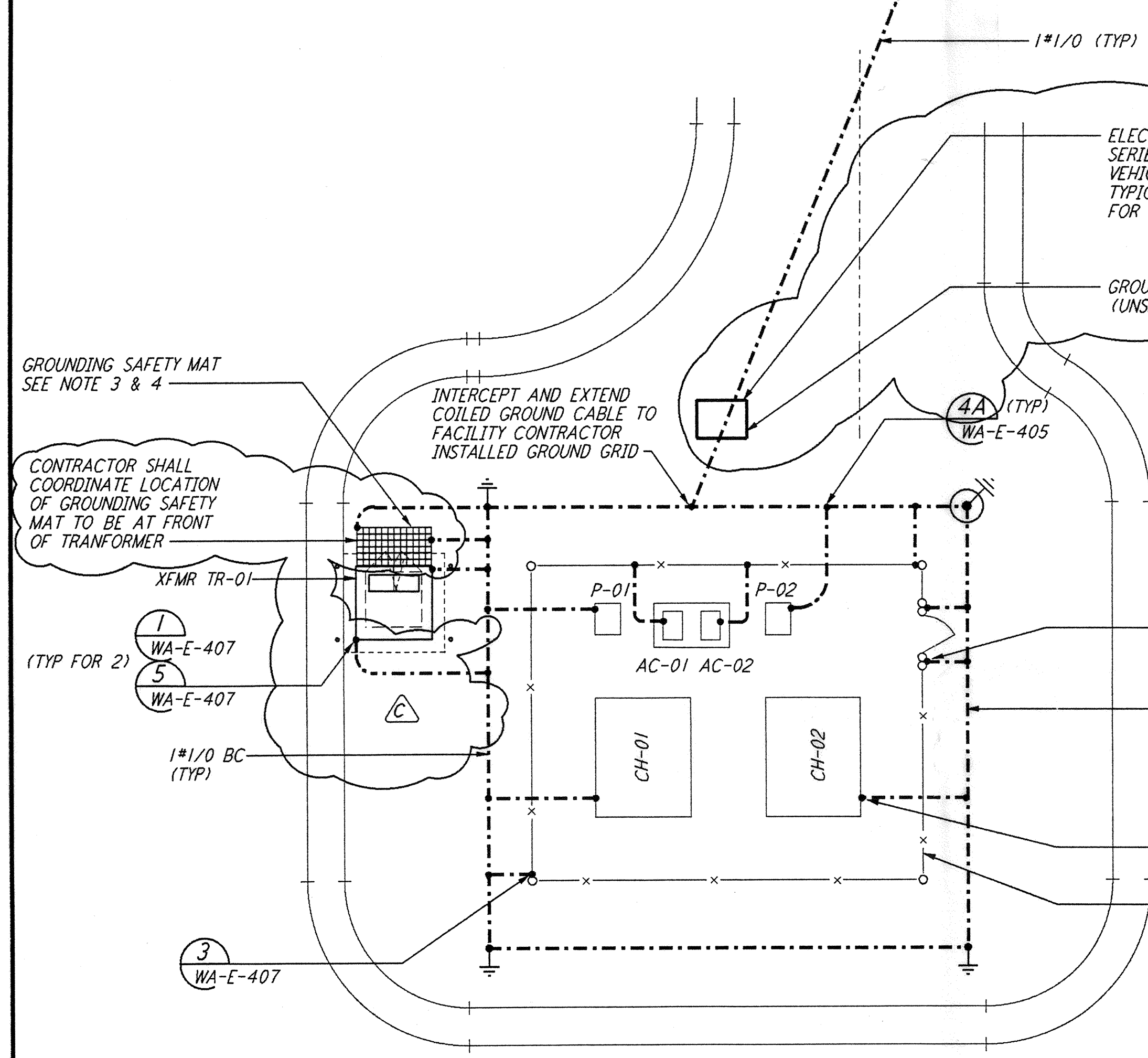


NOTES:

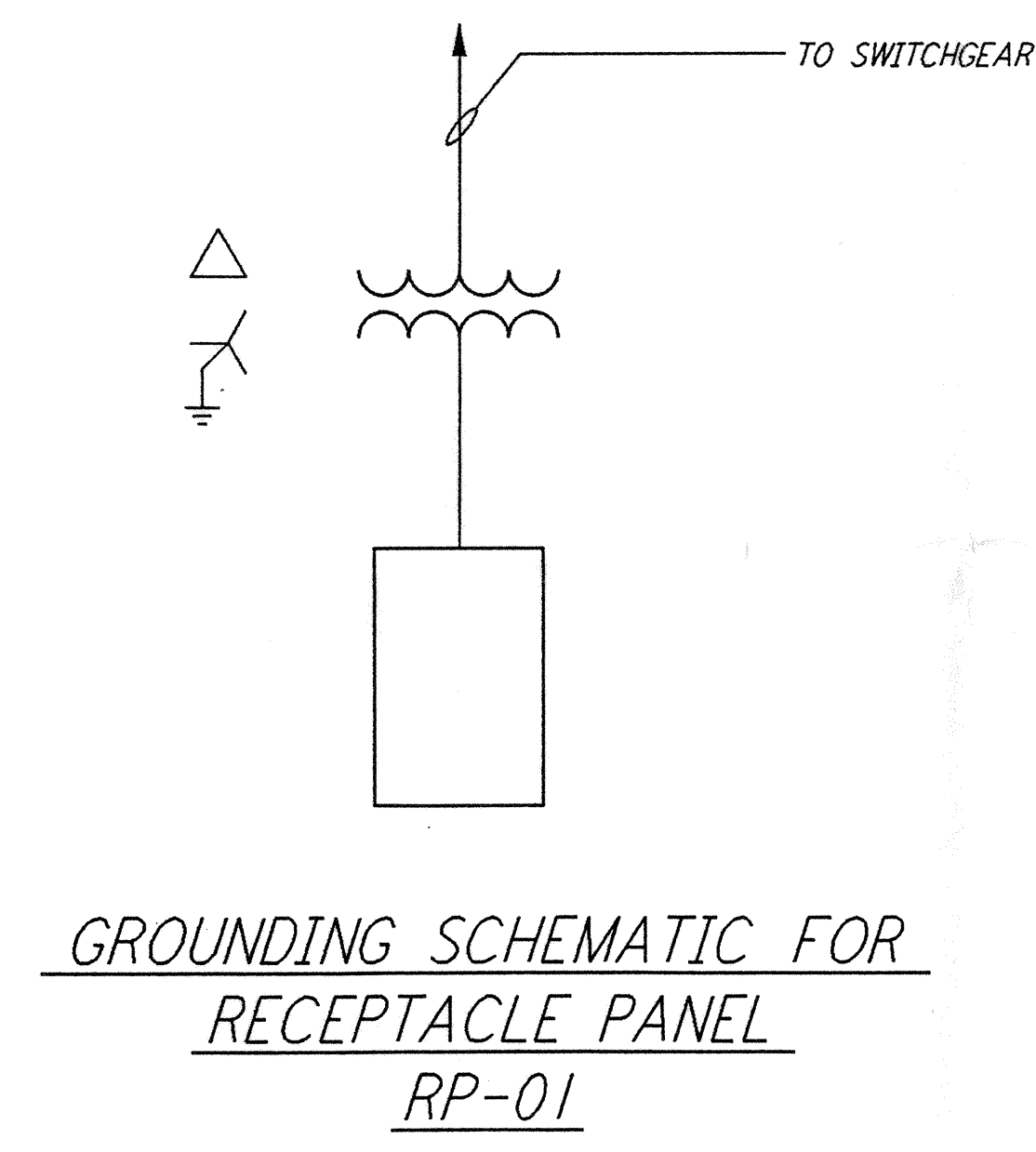
1. FOR GENERAL NOTES SEE DWG. WA-E-103.
2. CONNECT GROUNDING CONDUCTOR TO REBAR AT BOTTOM OF FOUNDATION. REBAR SHALL BE AT LEAST 20 FEET LONG AND 1/2" DIAMETER.
3. GROUNDING MAT FOR PERSONNEL PROTECTION SHALL BE A PREFABRICATED 4'-0" X 6'-0" MAT WITH A 6" X 6" GRID, 40% CONDUCTIVITY COPPERWELD, WITH CENTER WIRE # 1/0 AWG, ERICO MFR. CABLE TO MESH TYPE PT, MOLD PTC-162C, WELD METAL #65.
4. GROUNDING MAT SHALL BE INSTALLED 12" DEEP MIN. ADJACENT TO HIGH VOLTAGE PRIMARY SIDE.
5. SEE CIVIL DRAWING WA-C-021 FOR ACTUAL LOCATION OF CHILLERS, PUMPS AND TRANSFORMER.
6. SEE SPECIFICATION SECTION 16670 FOR LIGHTNING PROTECTION MATERIAL.
7. GROUND CONNECTION TO STRUCTURAL STEEL SHALL BE EXOTHERMIC WELD TYPE, AND APPROPRIATE FOR THE CABLE AND STRUCTURAL STEEL.
8. COIL AND TAPE GROUND CONDUCTOR AT TANK FOUNDATION, FOR FUTURE CONNECTION BY TANK VENDOR.



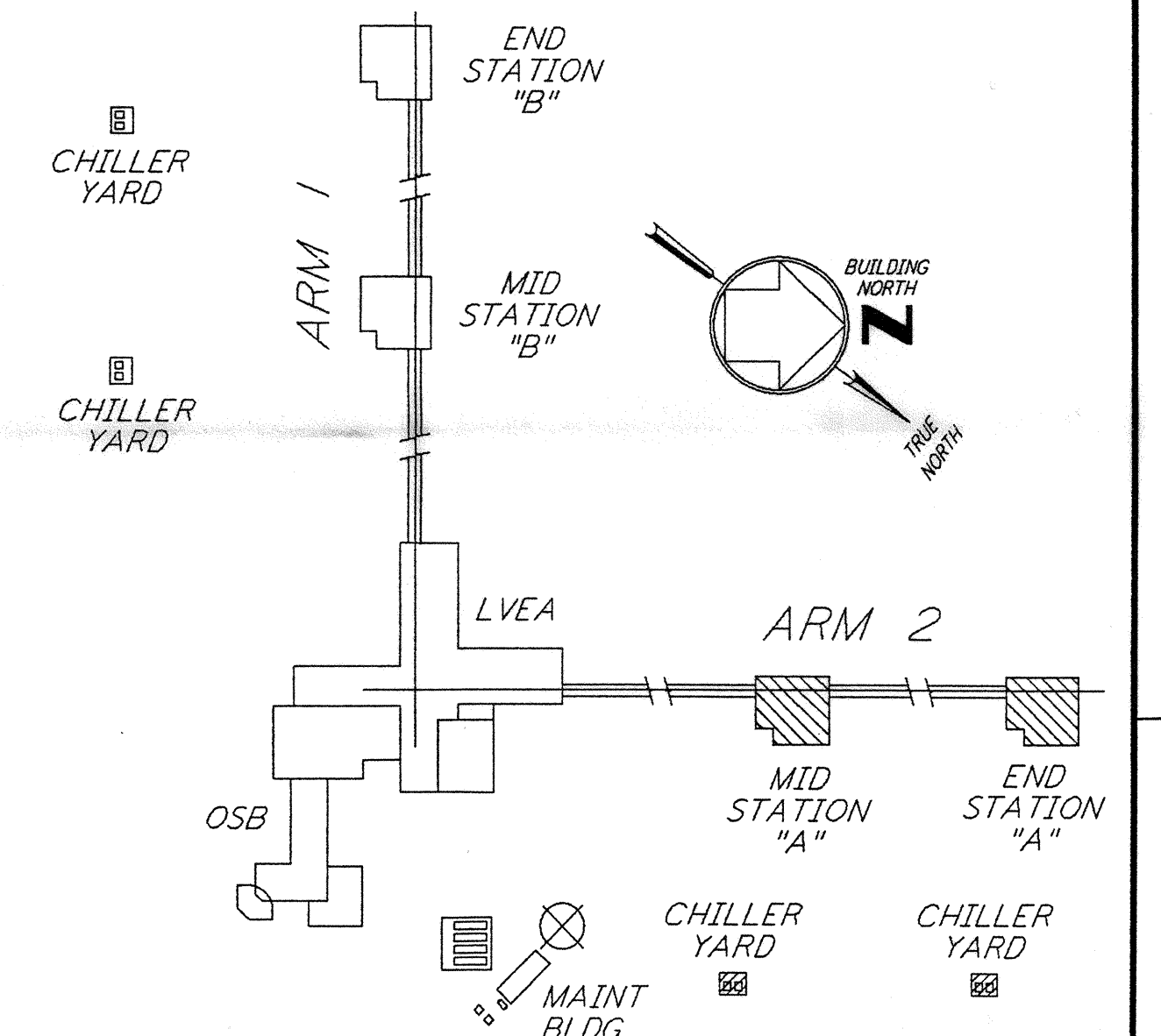
GROUNDING SCHEMATIC FOR
CDSAC-01 PANEL



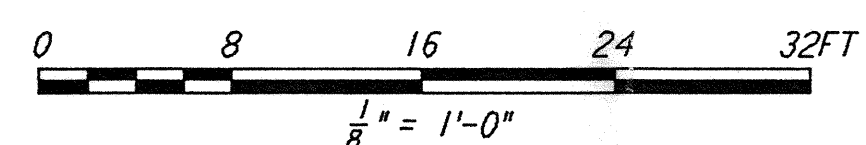
ELEVATION
REF WA-E-202



GROUNDING SCHEMATIC FOR
RECEPTACLE PANEL
RP-01



KEY PLAN



not be reproduced, copied, loaned, exhibited, or used in any other way, except by written consent from PARSONS to the borrower.

This document and the design it covers are the property of PARSONS. They are loaned only with the borrower's expressed written agreement that they will

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
C	5-22-96	RAF	JJM	W	SDM	BID ADDENDUM #2
B	4-19-96				TDM	FINAL DESIGN REVIEW & BID
A	10-31-95				TDM	PRELIMINARY DESIGN REVIEW

DRAWN	J. G.
CHECKED	
ENGINEER	
PROJ	

PARSONS
 100 WEST WALNUT STREET
 PASADENA, CALIFORNIA

LIGO
 CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER
 GRAVITATIONAL-WAVE OBSERVATORY
 SITE NO. 1 - HANFORD, WASHINGTON

TITLE: ELECTRICAL
 MID & END A STATIONS
 LIGHTNING & GROUNDING
 PLAN

SCALE: AS NOTED
 CONTRACT NUMBER: PP150969
 PROJECT NUMBER: 8094

SHEET NUMBER: **WA-E-202**

LIGO-D960412-C-0