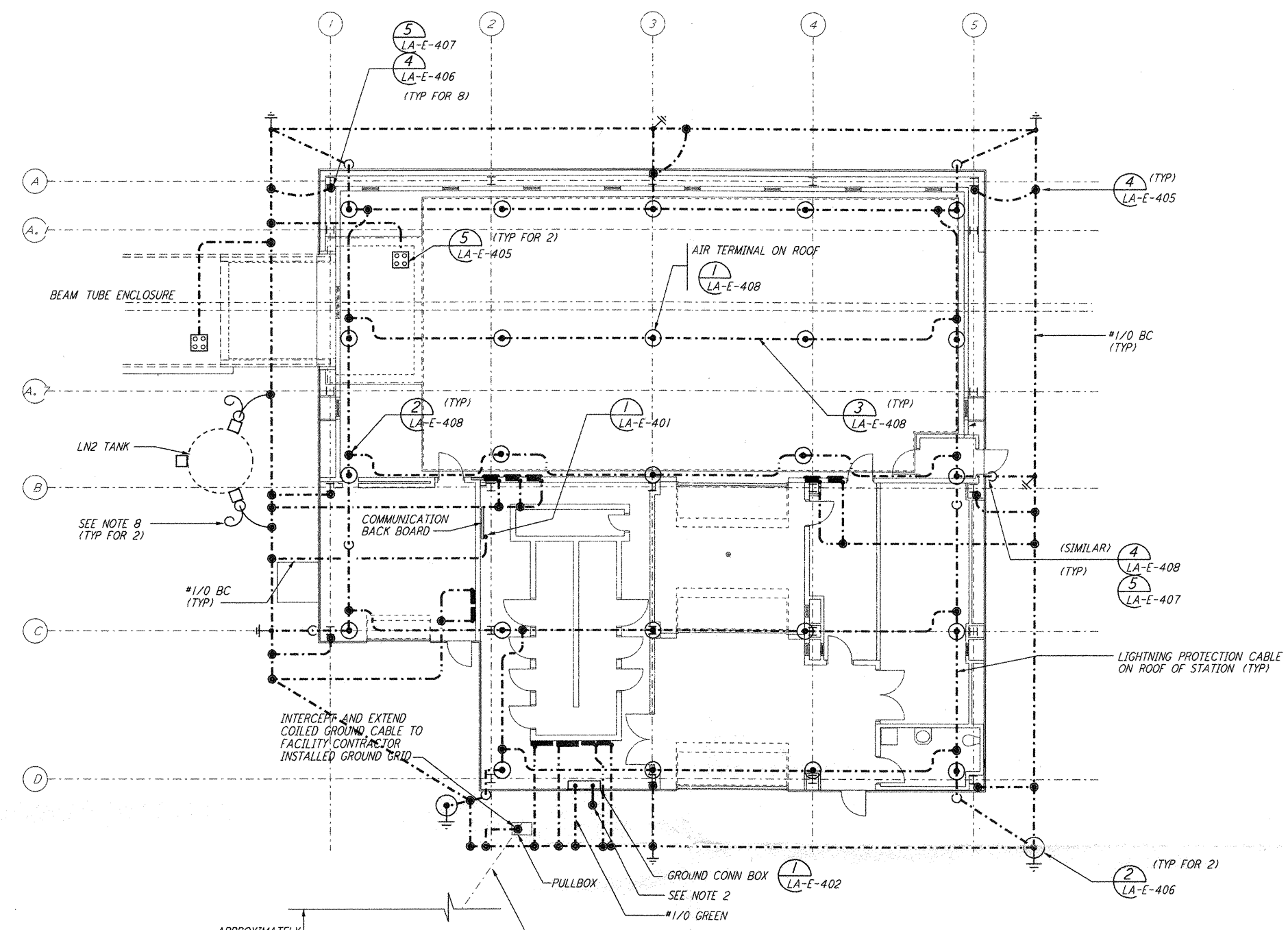
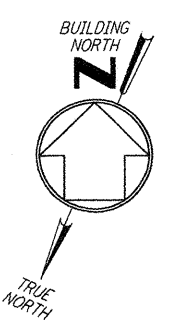


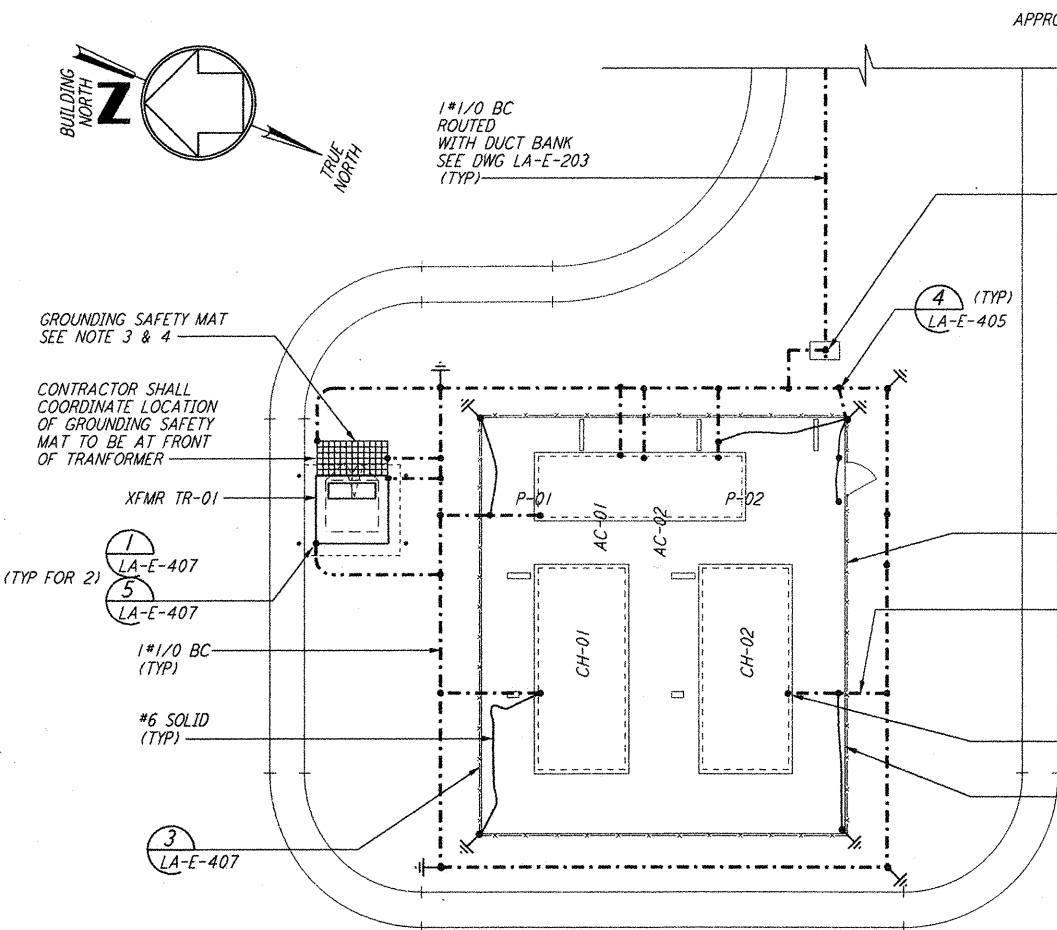
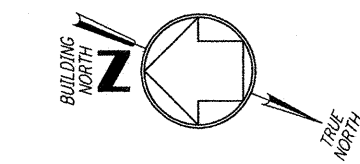
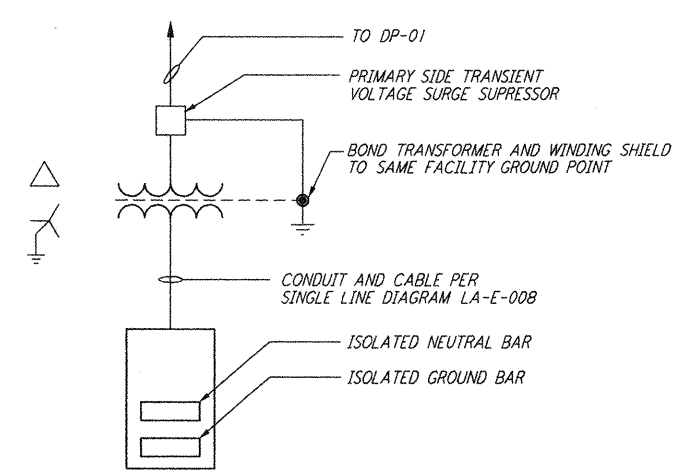
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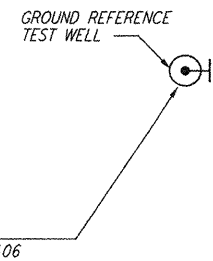
NOTES:

1. FOR GENERAL NOTES SEE DWG. LA-E-103.
2. CONNECT GROUNDING CONDUCTOR TO REBAR (BY OTHERS) AT BOTTOM OF FOUNDATION. REBAR SHALL BE AT LEAST 20 FEET LONG.
3. GROUNDING MAT FOR PERSONNEL PROTECTION SHALL BE A PREFABRICATED 4'-0" X 6'-0" MAT WITH A 6" X 6" GRID, 40X CONDUCTIVITY COPPERWELD, WITH CENTER WIRE # 1/0 AWG, ERICO MFR. CABLE TO MESH TYPE PT, MOLD PTC-1G2C, WELD METAL #65.
4. GROUNDING MAT SHALL BE INSTALLED 12" DEEP MIN. ADJACENT TO HIGH VOLTAGE PRIMARY SIDE.
5. SEE CIVIL DRAWING LA-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.

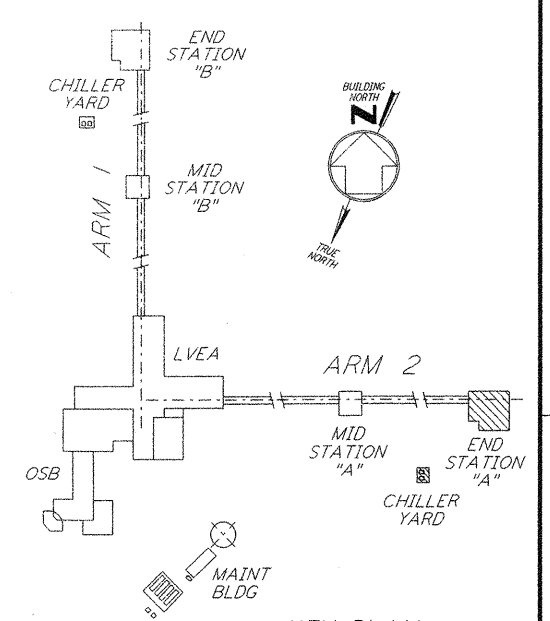
GROUNDING SCHEMATIC FOR CDSAC-01 PANEL



GROUNDING CHILLER PLAN



GROUNDING SCHEMATIC FOR RECEPTACLE PANEL RP-01



KEY PLAN

LIGO-D961026-02-0

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
2	5-21-99	AO	AK	MDW		ISSUED AS REVISED AS-BUILT
1	8-7-98	JE	AK	AG		ISSUED FOR AS-BUILT

ISSUED FOR CONSTRUCTION
 DRAWN M.M. 11-15-96
 CHECKED JCL 7-24-96
 ENGINEER KCR 10-25-96
 PROJ T.O.M. 11-15-96

AS-BUILT DRAWINGS

PARSONS
 100 WEST WALNUT STREET
 PASADENA, CALIFORNIA

LIGO
 CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER
 GRAVITATIONAL-WAVE OBSERVATORY
 SITE NO. 2 - LIVINGSTON, LOUISIANA

ELECTRICAL END STATION A LIGHTNING & GROUNDING PLAN

SHEET NUMBER: **LA-E-202**

AS NOTED CONTRACT NUMBER: PP150969 PROJECT NUMBER: 8094

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