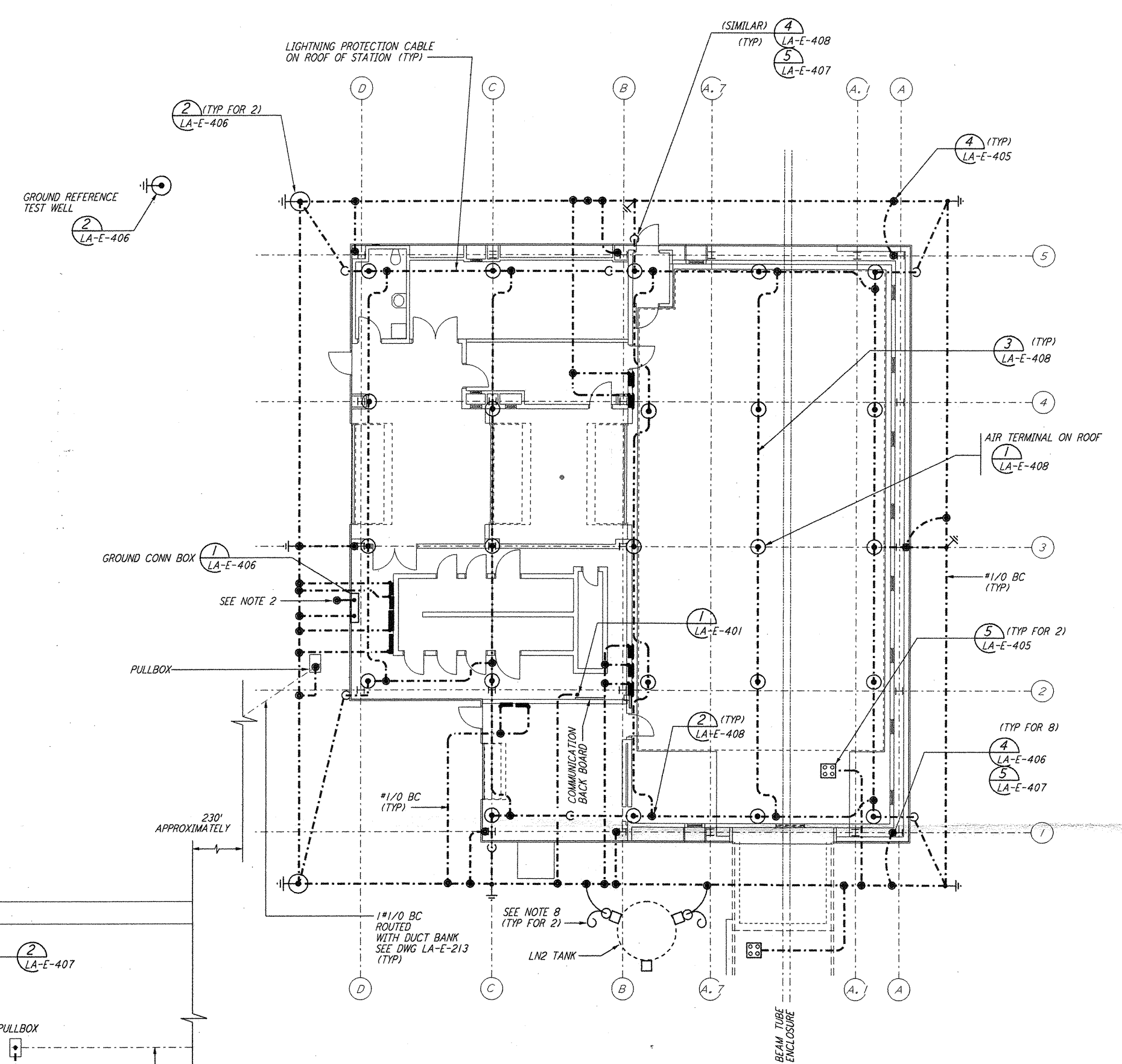
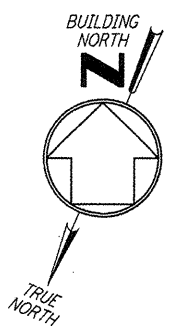
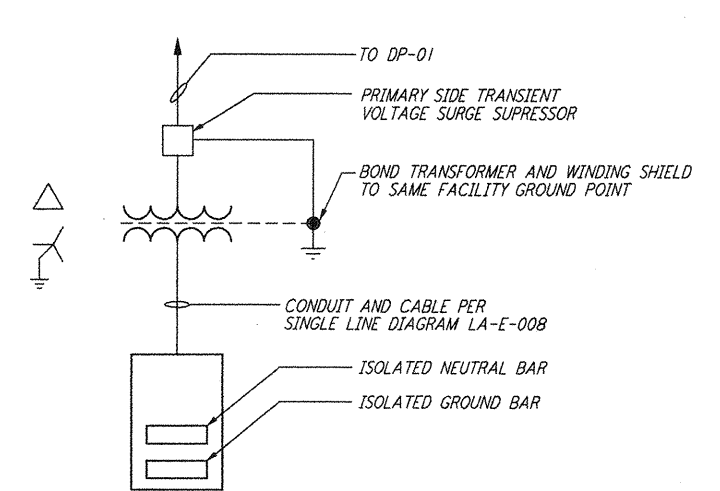


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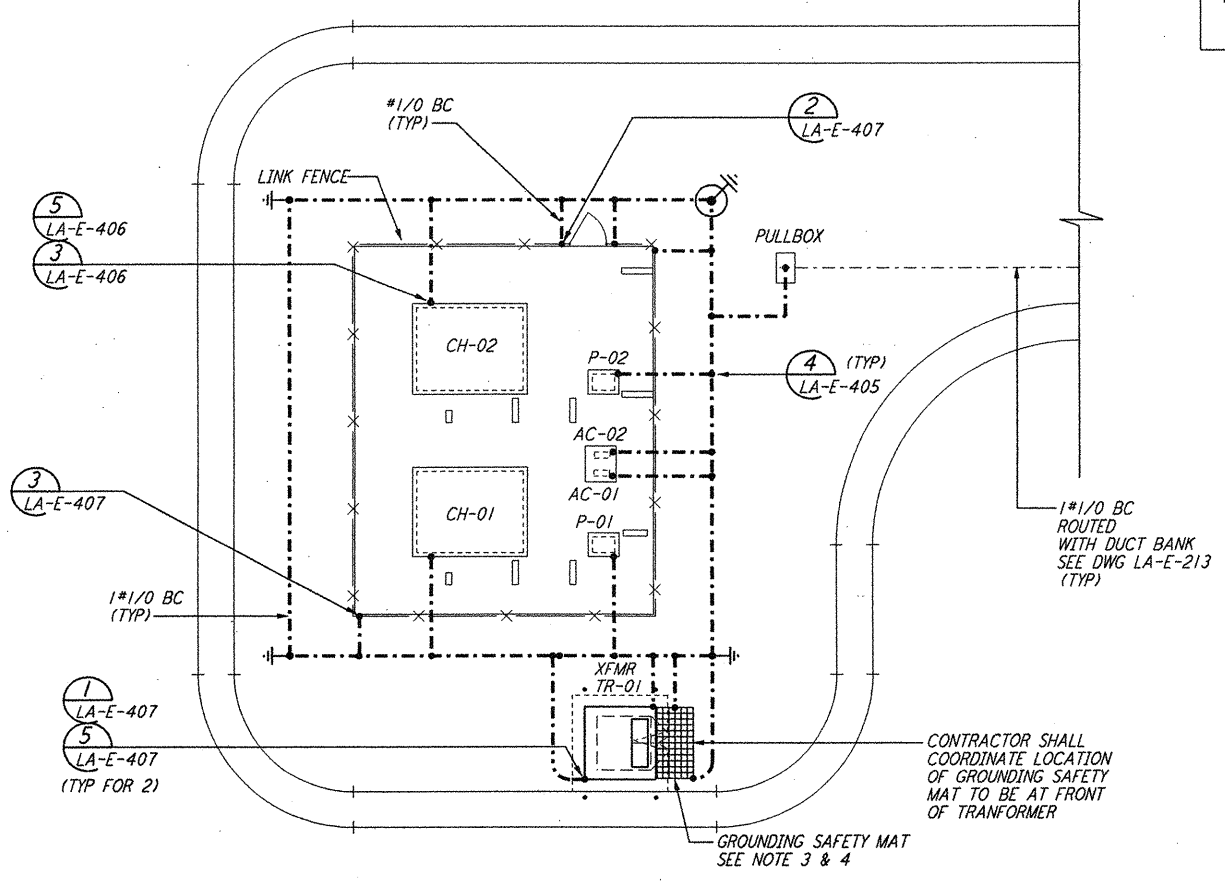
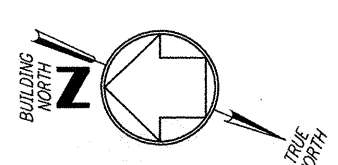
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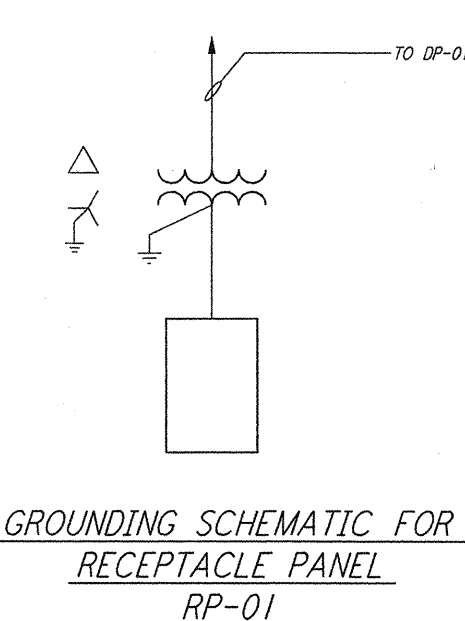
- NOTES:**
- FOR GENERAL NOTES SEE DWG. LA-E-103.
 - CONNECT GROUNDING CONDUCTOR TO REBAR (BY OTHERS) AT BOTTOM OF FOUNDATION. REBAR SHALL BE AT LEAST 20 FEET LONG.
 - GROUNDING MAT FOR PERSONNEL PROTECTION SHALL BE A PREFABRICATED 4'-0" X 6'-0" MAT WITH A 6" X 6" GRID, 40% CONDUCTIVITY COPPERWELD, WITH CENTER WIRE # 1/0 AWG, ERICO MFR. CABLE TO MESH TYPE FT, MOLD PTC-1G2C, WELD METAL #65.
 - GROUNDING MAT SHALL BE INSTALLED 12" DEEP MIN. ADJACENT TO HIGH VOLTAGE PRIMARY SIDE.
 - SEE CIVIL DRAWING LA-C-021 FOR ACTUAL LOCATION OF CHILLERS, PUMPS AND TRANSFORMER.
 - SEE SPECIFICATION SECTION 16670 FOR LIGHTNING PROTECTION MATERIAL.
 - GROUND CONNECTION TO STRUCTURAL STEEL SHALL BE EXOTHERMIC WELD TYPE, AND APPROPRIATE FOR THE CABLE AND STRUCTURAL STEEL.
 - COIL AND TAPE GROUND CONDUCTOR AT TANK FOUNDATION, FOR FUTURE CONNECTION BY TANK VENDOR.



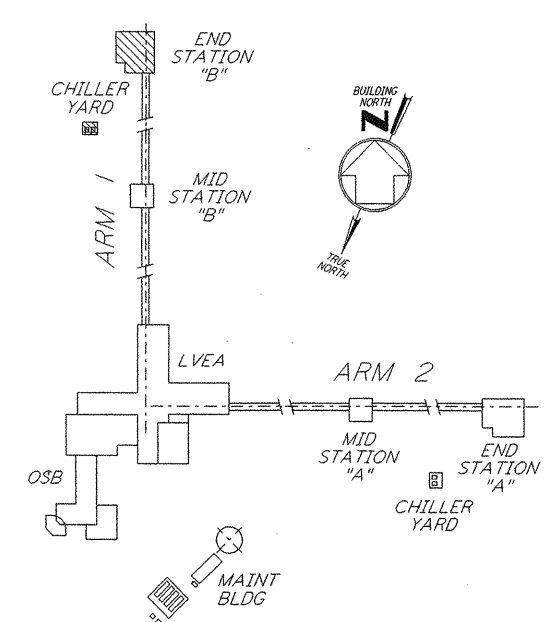
GROUNDING SCHEMATIC FOR CDSAC-01 PANEL



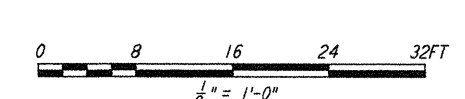
GROUNDING CHILLER PLAN



GROUNDING SCHEMATIC FOR RECEPTACLE PANEL RP-01



KEY PLAN LIGO-D961033-01-0



NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	8-7-98	JE	AK	AK	AK	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. D. 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 B LIGHTNING & GROUNDING PLAN

AS NOTED PP150969 8094
LA-E-212