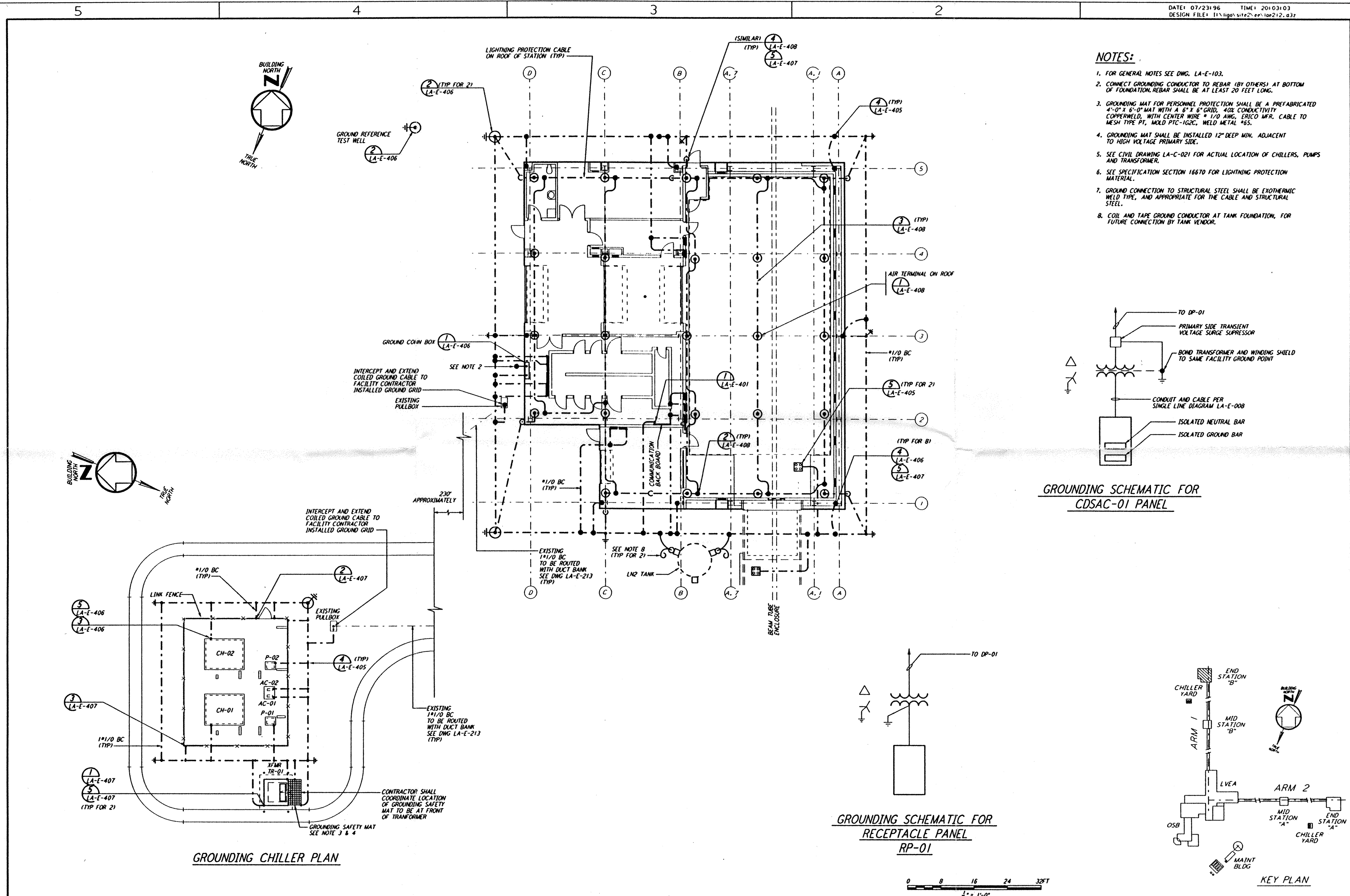
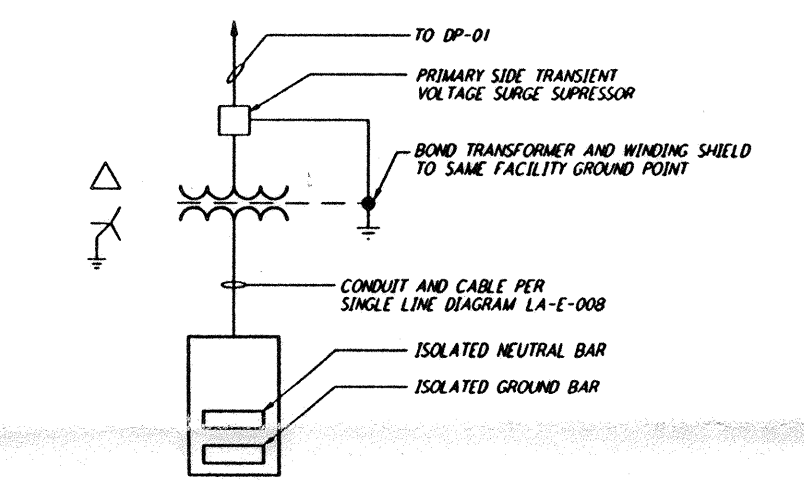


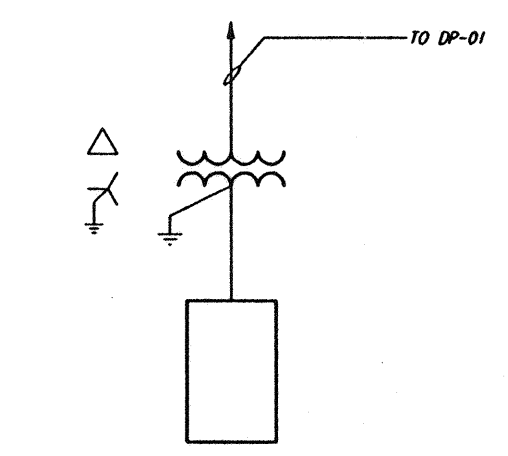
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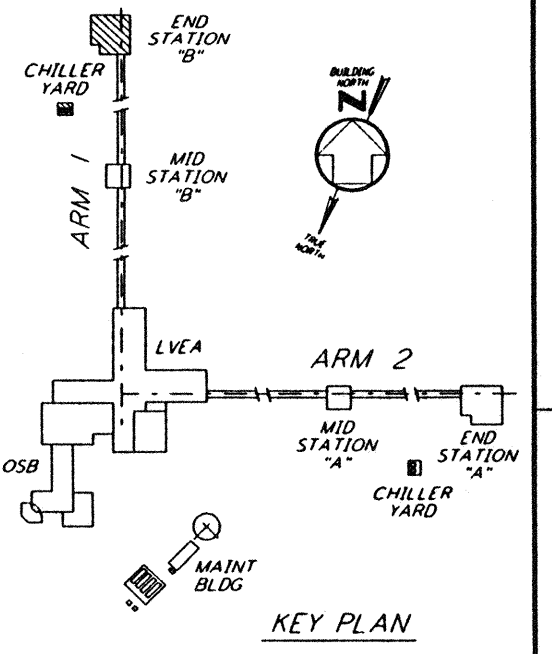
- NOTES:**
- FOR GENERAL NOTES SEE DWG. LA-E-103.
 - CONNECT GROUNDING CONDUCTOR TO REBAR (BY OTHERS) AT BOTTOM OF FOUNDATION. REBAR SHALL BE AT LEAST 20 FEET LONG.
 - GROUNDING MAT FOR PERSONNEL PROTECTION SHALL BE A PREFABRICATED 4'-0" X 6'-0" MAT WITH A 6" X 6" GRID, 40% CONDUCTIVITY COPPERWELD, WITH CENTER WIRE # 1/0 AWG. ERICO MFR. CABLE TO MESH TYPE PT. MOLD PTC-152C, WELD METAL #5.
 - 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.



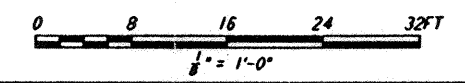
GROUNDING SCHEMATIC FOR CDSAC-01 PANEL



GROUNDING SCHEMATIC FOR RECEPTACLE PANEL RP-01



KEY PLAN



NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
B	7-24-96	MM	JCL			ISSUED FOR BID
A	6-14-96	MM	JCL			FINAL DESIGN REVIEW

DRAWN	M. M.
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. 2 - LIVINGSTON, LOUISIANA

TITLE: ELECTRICAL END STATION B LIGHTNING & GROUNDING PLAN
 SHEET NUMBER: AS NOTED PP150969
 PROJECT NUMBER: 8094

LA-E-212

Tue Jul 23 20:00:02 1996 S3-V18B2 J:\PLOTS\QUEUES\V18B2\E212.PRF