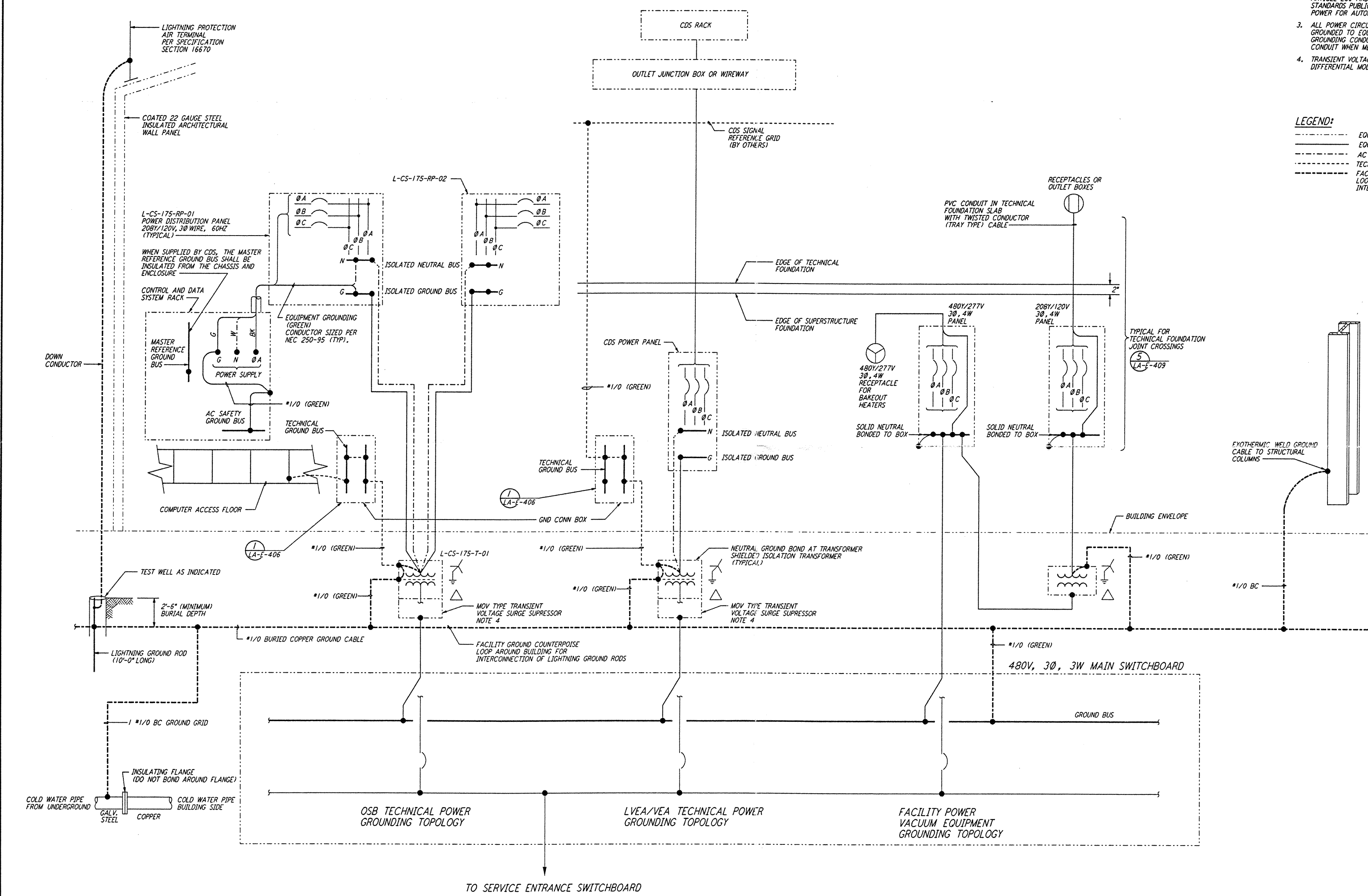


NOTES:

1. ALL SURFACES TO WHICH CONNECTIONS ARE TO BE MADE SHALL BE FREE OF PAINT, RUST, CORROSION ETC.
2. ALL GROUNDING INDICATED ON THIS DWG. IS FOR THE SOLE PURPOSE OF ESTABLISHING A HIGH QUALITY SINGLE POINT, SINGLE PURPOSE GROUND GRID SYSTEM, AND SHALL NOT BE CONSIDERED AS THE EQUIPMENT SAFETY GROUND. CONTRACTOR SHALL FURNISH AND INSTALL GROUNDING ELECTRODES, EQUIPMENT GROUNDING CONDUCTORS, EQUIPMENT SAFETY GROUNDING, AND SIGNAL GROUNDING TO MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE ARTICLE 250 AND FEDERAL INFORMATION PROCESSING STANDARDS PUBLICATION 94 "GUIDELINE ON ELECTRICAL POWER FOR AUTOMATIC DATA PROCESSING INSTALLATIONS".
3. ALL POWER CIRCUITS ARE IN METALLIC CONDUIT EFFECTIVELY GROUND TO EQUIPMENT UNLESS OTHERWISE NOTED. GREEN INSULATED GROUNDING CONDUCTORS SHALL BE RUN IN NON-MAGNETIC (PVC) CONDUIT WHEN MECHANICAL PROTECTION IS REQUIRED.
4. TRANSIENT VOLTAGE SURGE SUPPRESSORS SHALL BE COMMON AND DIFFERENTIAL MODE TYPE UNITS.

LEGEND:

- EQUIPMENT OUTLINE
- EQUIPMENT GROUND CONDUCTOR
- AC ISOLATED NEUTRAL
- TECHNICAL GROUND
- FACILITY GROUND COUNTERPOISE LOOP AROUND BUILDING FOR INTERCONNECTION OF LIGHTNING GROUND RODS



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

LIGO-D961039-B-O

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
B	6-14-96	JMM	JCL	TDM		FINAL DESIGN REVIEW
A	10-31-95			TDM		PRELIMINARY 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	SCALE	CONTRACT NUMBER	PROJECT NUMBER
ELECTRICAL CORNER STATION GROUNDING SCHEMATIC	NONE	PP150969	8094
SHEET NUMBER	PERSONS		
LA-E-402			