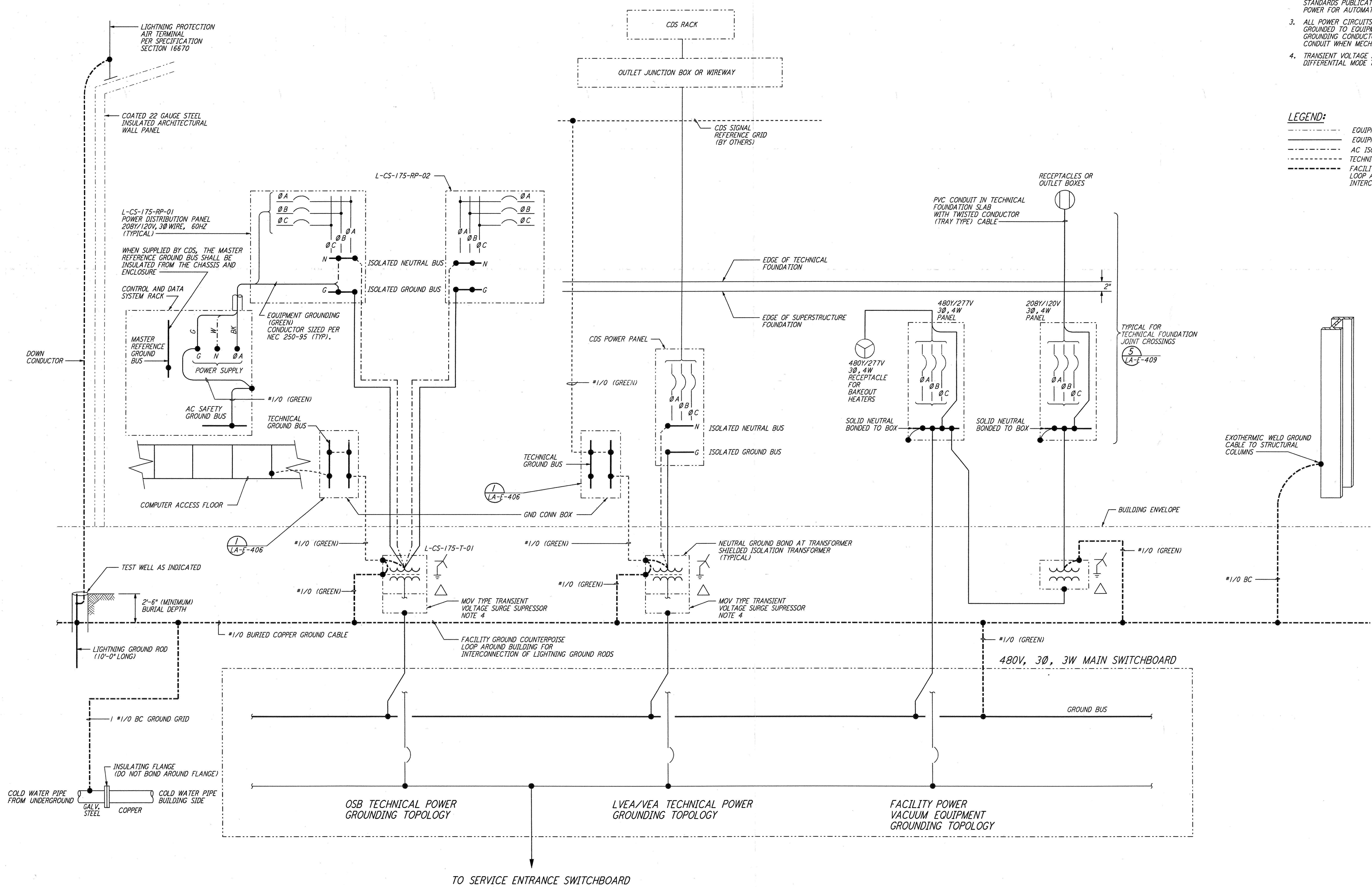


**NOTES:**

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 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



of PARSONS. They are loaned only with the borrower's expressed written agreement that they will  
 any other way, except by written consent from  
 PARSONS to the borrower.

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	8-7-98	JE	AK	MS	MM	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

**LIGO-D961039-01-0**

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	LA-E-402		REVISIONS