

NOTES:

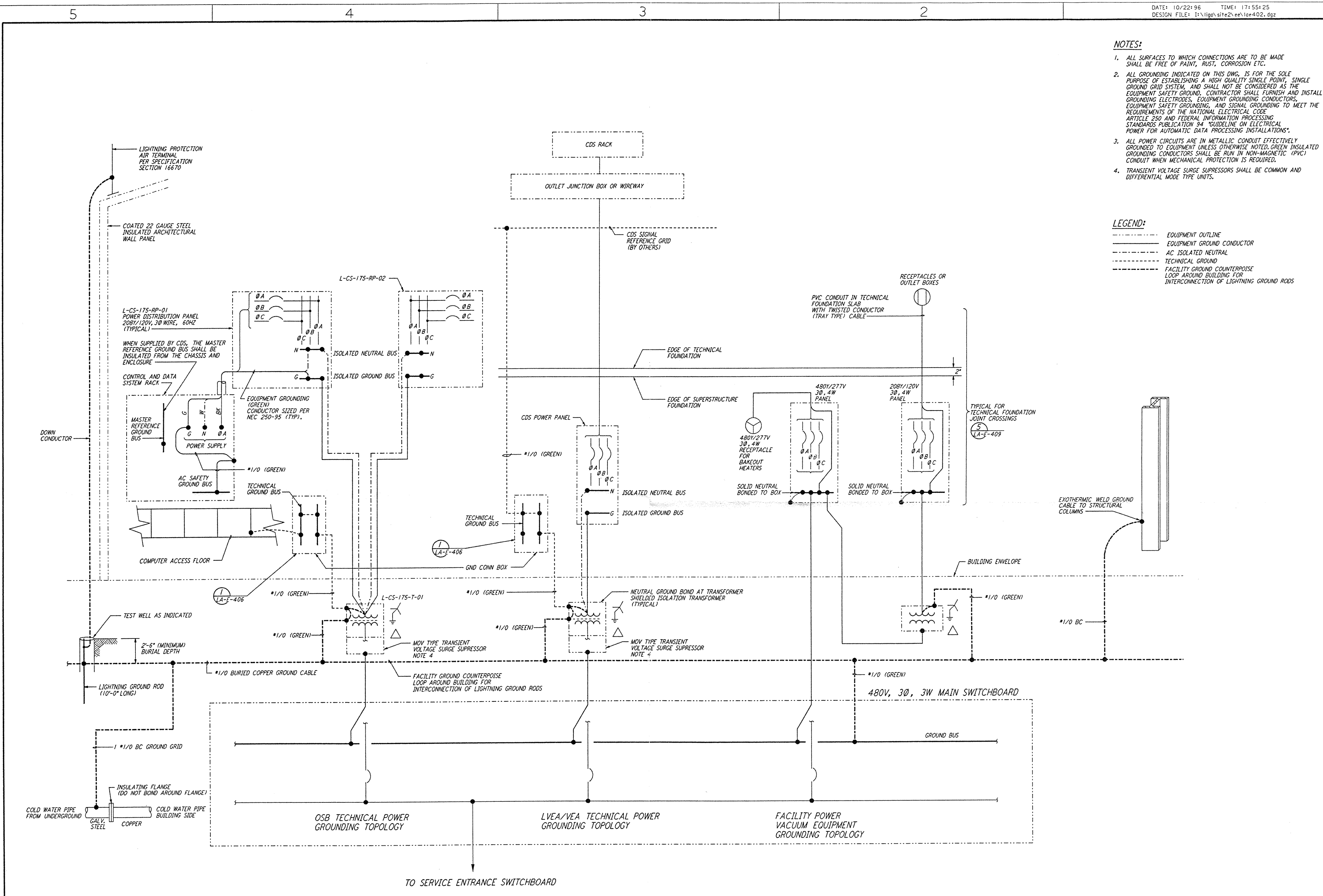
1. ALL SURFACES TO WHICH CONNECTIONS ARE TO BE MADE SHALL BE FREE OF PAINT, RUST, CORROSION ETC.
2. ALL GROUNDING INDICATED ON THIS DWG. IS FOR THE SOLE PURPOSE OF ESTABLISHING A HIGH QUALITY SINGLE POINT, SINGLE GROUND GRID SYSTEM, AND SHALL NOT BE CONSIDERED AS THE EQUIPMENT SAFETY GROUND. CONTRACTOR 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

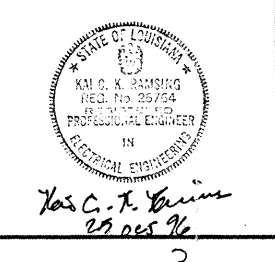
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NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

ISSUED FOR CONSTRUCTION	M.M.	11-15-96
CHECKED	JCL	7-28-96
ENGINEER	KCL	10-15-96
PROJ	BDP	11/17/96



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 CORNER STATION GROUNDING SCHEMATIC

SCALE: NONE

CONTRACT NUMBER: PPI50969

PROJECT NUMBER: 8094

REVISION: LA-E-402