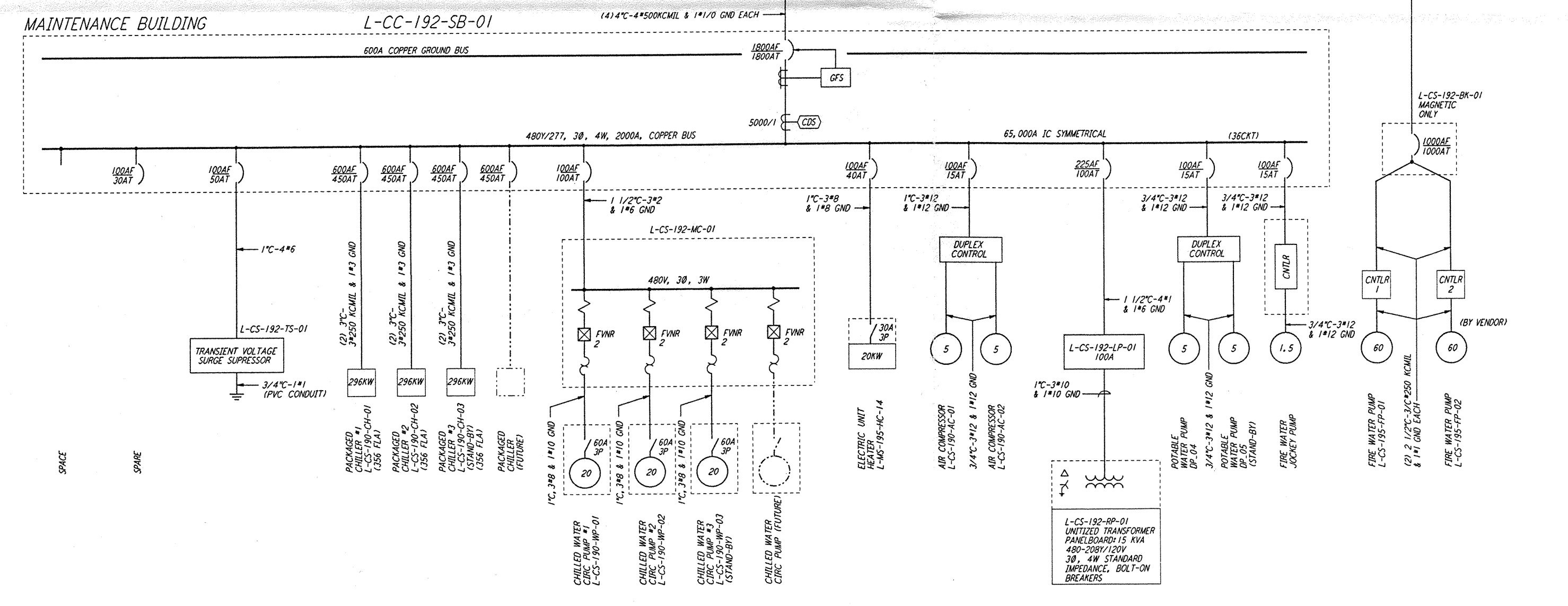
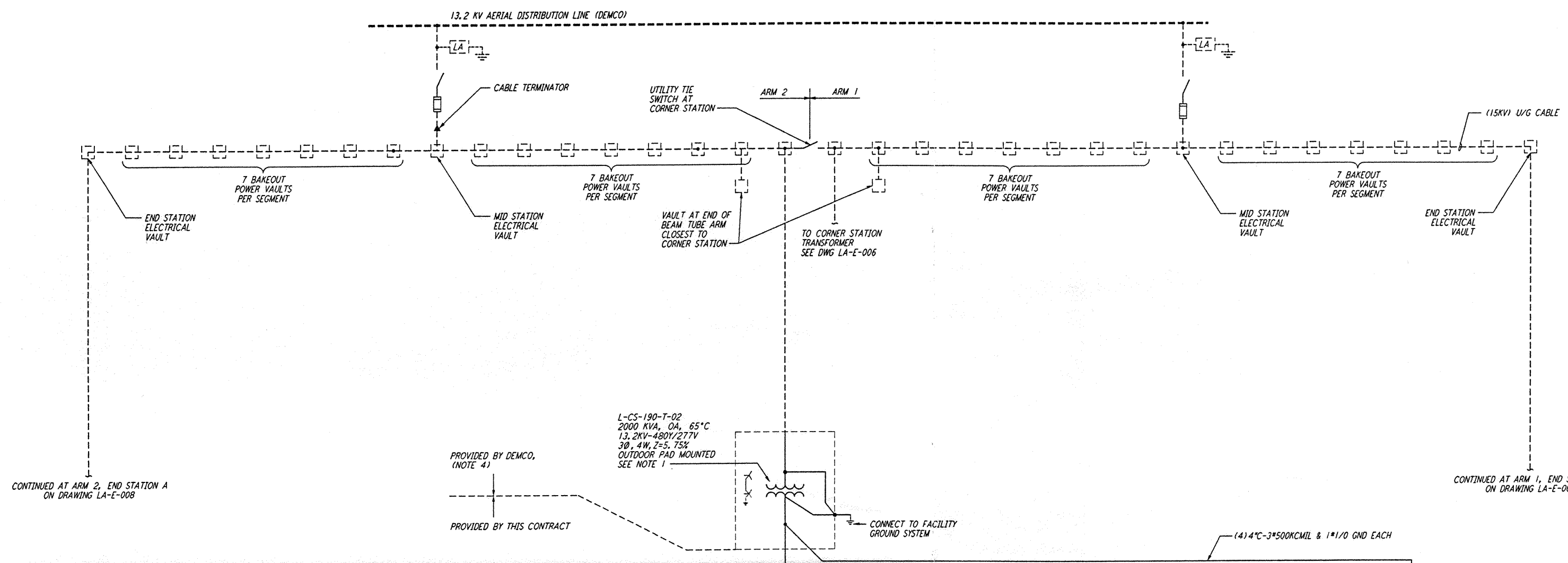


**NOTES:**

1. TRANSFORMER L-MS-190-T-02 SHALL BE SIZED PER N.E.C. ARTICLE 450-3D.
2. FOR ABBREVIATIONS AND ACRONYMS SEE DWG LA-E-001.
3. FOR ONE-LINE DIAGRAMS SYMBOLS SEE DWG LA-E-004.
4. ALL 13.2KV CABLE, GEAR, VAULTS AND TRANSFORMERS BY OTHERS.
5. ALL CIRCUIT BREAKERS SHALL BE PROVIDED WITH LOCKING/LOCKABLE ACCESSORIES TO ENSURE THAT CIRCUITS ARE ENERGIZED BY AUTHORIZED PERSONNEL ONLY.
6. DISTRIBUTION AND LIGHTING PANELS SHALL BE FURNISHED WITH LOCKABLE DOORS. CIRCUIT BREAKERS SHALL BE PROVIDED WITH LOCKING/LOCKABLE ACCESSORIES TO ENSURE THAT CIRCUITS ARE ENERGIZED BY AUTHORIZED PERSONNEL ONLY.

**LEGEND:**

- L - EA - 303 - DP - 01
- SEQUENTIAL NUMBER
  - BK = BREAKER PANEL
  - CB = CIRCUIT BREAKER
  - DP = DISTRIBUTION PANEL
  - HP = HEATER PANEL
  - LP = LIGHTING PANEL
  - MC = MOTOR CONTROL CENTER
  - PD = POWER DISTRIBUTION
  - RP = RECEPTACLE PANEL
  - SB = SWITCHBOARD
  - SG = SWITCHGEAR
  - T = TRANSFORMER
  - TS = TRANSIENT VOLTAGE SURGE SUPPRESSOR
  - ROOM NO. (PANEL LOCATION)
  - A = NORTH OF LVEA
  - B = WEST OF LVEA
  - E = END STATION
  - M = MID STATION
  - MS = MAINTENANCE SHOP (BLDG.)
  - CS = CORNER STATION
  - LIVINGSTON
- THIN INTERMITTING DENOTES EQUIPMENT  
 - - - LONG BROKEN LINE DENOTES BY "BENTON PUD CO."  
 - - - - - FUTURE



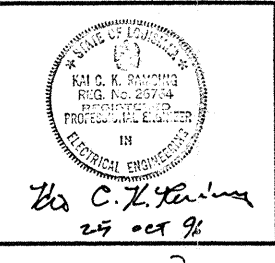
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NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

ISSUED FOR CONSTRUCTION	
DRAWN	M. M. 11-15-96
CHECKED	JCL 7-24-96
ENGINEER	10-25-96
PROJ	11-15-96



**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 OVERALL SINGLE LINE DIAGRAM

SCALE: NONE

CONTRACT NUMBER: PP150969

PROJECT NUMBER: 8094

SHEET NUMBER: LA-E-005