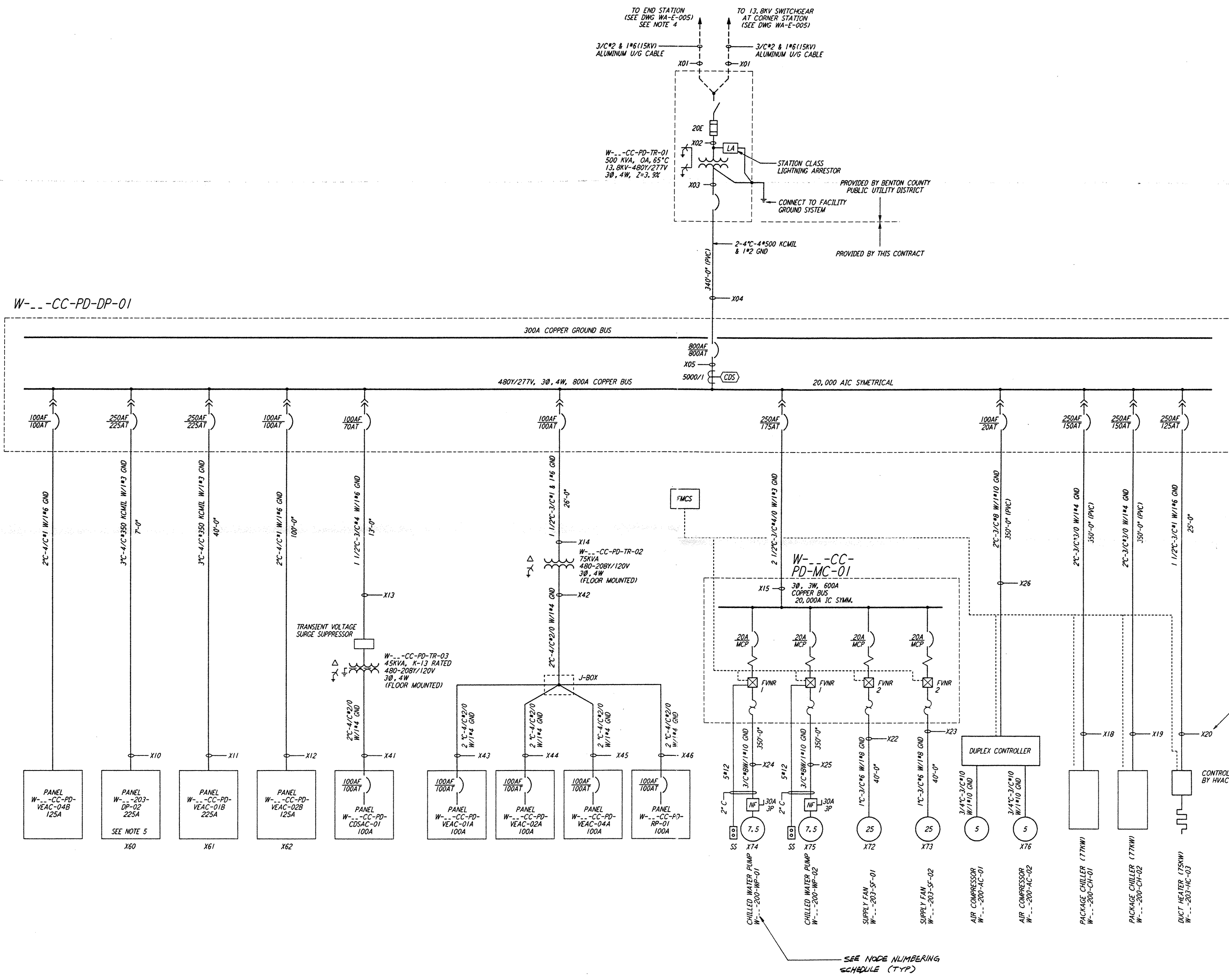


NOTES:

- FOR LEGEND AND GENERAL NOTES SEE DWG WA-E-005.
- ALL CONDUCTORS ARE COPPER UNLESS OTHERWISE NOTED.
- ALL TRANSFORMER WINDINGS ARE ALUMINUM UNLESS OTHERWISE NOTED.
- 13.8KV CABLES ARE SHOWN FOR TYPICAL MID STATION. THE END STATION IS SIMILAR EXCEPT, A SINGLE CABLE CONNECTS TO TRANSFORMER PRIMARY.
- PANEL DP-02 SHALL BE PROVIDED WITH REMOTE CONTROLLED CIRCUIT BREAKERS FOR ALL LIGHTING CIRCUITS (3 CIRCUITS). PROVIDE 3 SPARE SINGLE-POLE 20A REMOTE CONTROL CIRCUIT BREAKERS. REMOTE CONTROL TRANSCEIVER AND BREAKERS SHALL BE SQUARE D POWERLINK OR APPROVAL EQUAL. TRANSCEIVER SHALL BE COMPATIBLE WITH THE FMCS IN SPECIFICATION SECTION 13000.
- ALL CIRCUIT BREAKERS SHALL BE PROVIDED WITH LOCKING/LOCKABLE ACCESSORIES TO ENSURE THAT CIRCUITS ARE ENERGIZED BY AUTHORIZED PERSONNEL ONLY.
- 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.

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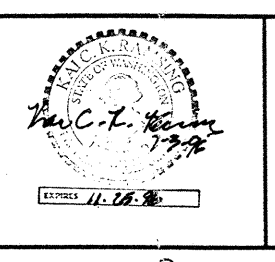


ANALYTIC STUDY NOTES:

- X12 REPRESENTS THE ANALYTIC NODE NUMBER, AND CORRESPONDS WITH THE ETAP VERSION 7.301 ANALYTIC STUDY.
- | NODE NUMBERING SCHEDULE | | |
|-------------------------|------------|---|
| BUILDING | DESIGNATOR | X |
| MID, ARM A | MA | 3 |
| END, ARM A | EA | 4 |
| MID, ARM B | MB | 5 |
| END, ARM B | EB | 6 |
- REPLACE X WITH THE NUMBER AT RIGHT TO IDENTIFY THE SPECIFIC NODE IN A SPECIFIC BUILDING.

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

ISSUED FOR CONSTRUCTION	
DRAWN	M.M. 6-25-96
CHECKED	SZ 7-3-96
ENGINEER	J.P. 7-12-96
PROJ	HL 7-12-96



PARSONS
100 WEST WALNUT STREET
PASADENA, CALIFORNIA

LIGO
CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER
GRAVITATIONAL-WAVE OBSERVATORY
SITE NO. 1 - HANFORD, WASHINGTON

TITLE	SCALE	CONTRACT NUMBER	PROJECT NUMBER
ELECTRICAL TYPICAL END OR MID STATION SINGLE LINE DIAGRAM	NONE	PP150969	8094
SHEET NUMBER		REVISIONS	
WA-E-008			

LIGO-D960393-00-0