



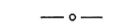
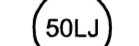


**LEGEND**

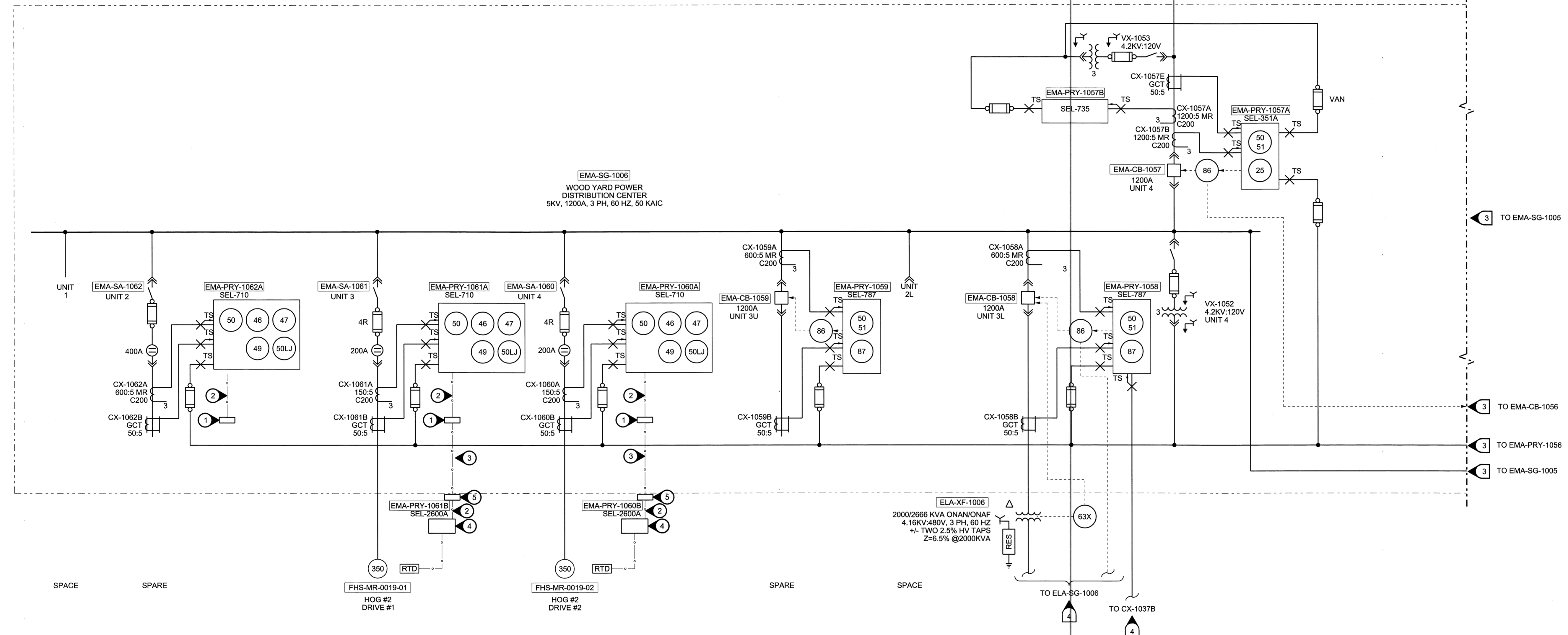
-  RESISTANCE TEMPERATURE DETECTOR
-  RESISTANCE GROUNDING SYSTEM
-  CURRENT TRANSFORMER GROUND SENSOR
-  INSTRUMENT SIGNAL
-  FIBER OPTIC CABLE
-  LOAD JAM

**GENERAL NOTES**

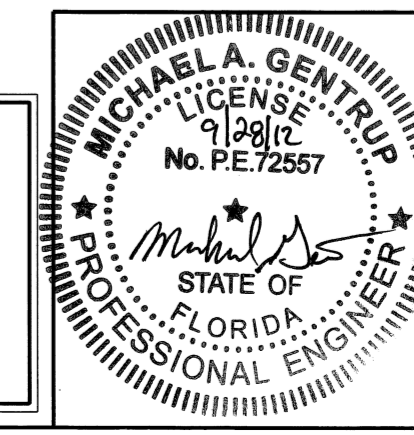
1. FIBER OPTIC CABLE TERMINATED AT FIBER PATCH PANEL LOCATED INSIDE OF SWITCHGEAR.
2. FIBER OPTIC PATCH CABLE FURNISHED AND INSTALLED BY MANUFACTURER. PATCH CABLE TO BE ROUTED BETWEEN DEVICES AS SHOWN. FIBER CABLE SHALL BE MULTIMODE, 2-FIBER, 62.5 MICRON WITH TYPE ST CONNECTORS ON BOTH ENDS.
3. FIBER OPTIC CABLE FURNISHED AND INSTALLED BY CONTRACTOR.
4. RTD MODULE FURNISHED BY MANUFACTURER AND INSTALLED BY CONTRACTOR. SELLER SHALL INSTALL THE RTD MODULE IN A NEMA 4X PANEL AND SHIP LOOSE IN INSIDE OF THE POWER DISTRIBUTION CENTER BUILDING AS SPECIFIED IN SECTION 262600.
5. FIBER OPTIC CABLE TERMINATED AT FIBER PATCH PANEL LOCATED INSIDE OF RTD MODULE NEMA 4X PANEL DESCRIBED IN NOTE 4.

**REFERENCE DRAWINGS**

1. ANNOTATIONS, ABBREVIATIONS AND ASSOCIATIONS ELECTRICAL SYMBOLS LIST AND GENERAL NOTES D014200-AAAE/11001 SH01-SH02
2. MEDIUM VOLTAGE AC, 4160V SWITCHGEAR EMA-SG-1002 ONE-LINE DIAGRAM D014200-EMAE/11002 SH01
3. MEDIUM VOLTAGE AC, 4160V SWITCHGEAR EMA-SG-1005 ONE-LINE DIAGRAM D014200-EMAE/11005 SH01
4. LOW VOLTAGE AC POWER SYSTEM, 480V SWITCHGEAR ELA-SG-1006 ONE-LINE DIAGRAM D014200-ELA/E/11006 SH01
5. EMA-SG-1005/1006 MASTERCLAD SWITCHGEAR ONE-LINE DIAGRAM M014200-PDCE00007 SH01 RB AND SH02 RA
6. EMA-SG-1006 MEDIUM VOLTAGE MCC ONE-LINE M014200-PDCE00073 SH01 RA



**EXTENSIVE CHANGES**  
REVIEW THOROUGHLY



NO.	REVISION	DATE	DRWN	DSND	CHKD	CHKD
1	REVISED DESIGN INFORMATION & ADDED GENERAL NOTES & REFERENCE DRAWINGS	02/22/22	ADP	LM	ADP	EN
0	ISSUED FOR BID					



ZACHRY ENGINEERING CORPORATION - 1515 ARAPAHOE STREET, TOWER 1, SUITE 800, DENVER, CO 80202-4256  
AMARILLO, TX CHARLOTTE, NC HOUSTON, TX MINNEAPOLIS, MN OMAHA, NE SAN ANTONIO, TX

**GAINESVILLE RENEWABLE ENERGY CENTER**  
MEDIUM VOLTAGE AC  
4160V SWITCHGEAR EMA-SG-1006  
ONE-LINE DIAGRAM

DRWN	DESIGN	CHECKED	CHECKED
L. PETERSEN	J. MEYER	J. STEWELL	K. MEREDITH
APPROVED BY	DRAWING NUMBER	SHEET	REV
<i>Michael A. Gentrup</i>	D014200-EMAE/11006	01	1