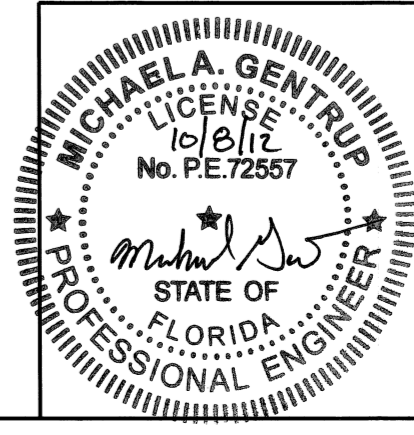


**LEGEND**

TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
MCP	MOTOR CIRCUIT PROTECTOR
100A CB	MOLDED CASE CIRCUIT BREAKER, AMP RATING DENOTES TRIP
CP	CONTROL PANEL
1M	UNIT NUMBER
FVNR	FULL VOLTAGE-NON REVERSING
HOA	HAND OFF AUTO SELECTOR
CO	CONTACTOR
DCS	DIGITAL CONTROL SYSTEM
OL'S	THERMAL OVERLOAD HEATER
AFD	ADJUSTABLE FREQUENCY DRIVE
PLC	PROGRAMMABLE LOGIC CONTROLLER

- REFERENCE DRAWINGS**
- ANNOTATIONS, ABBREVIATIONS & ASSOCIATIONS SYMBOLS LIST AND GENERAL NOTES D014200-AAAAE71001 SH01-SH02
  - LOW VOLTAGE AC POWER SYSTEM; 480V SWITCHGEAR ELA-SG-1004 ONE-LINE DIAGRAM D014200-ELAE11004 SH01
  - ELA-MC-1004B; MODEL 6 MOTOR CONTROL CENTER; ONE LINE DIAGRAM; SQUARE D DWG # C30895089-068-01 SH01-SH03 M014200-PCCE00418 SH01-SH02 RP2, SH03 RP1

**EXTENSIVE CHANGES**  
REVIEW THOROUGHLY



1	ISSUED FOR CONSTRUCTION	10/26/2012	ASG	ALC	SLB	LM
0	ISSUED FOR BID					
NO.	REVISION	DATE	DRWN	ESND	CHKD	CHKD

**GAINESVILLE Renewable Energy Center**  
An American Renewables Company

**ZACHRY**  
ZACHRY ENGINEERING CORPORATION - 1515 ARAPAHOE STREET, TOWER 1, SUITE 900, DENVER, CO 80202-4256  
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**GAINESVILLE RENEWABLE ENERGY CENTER**  
LOW VOLTAGE AC POWER SYSTEM  
480V MCC ELA-MC-1004B  
ONE-LINE DIAGRAM

DRAWN	10/26/12	DESIGNED	10/26/12	CHECKED	10/26/12	10/26/12
L. PETERSEN		A. EMERSON	J. STILLWELL	L. MEYER		
APPROVED BY		DRAWN BY		SHEET	REV	
M. GENTRUP				D014200- ELAE11022	01	1