



- LEGEND:**
- 27 - UNDER VOLTAGE RELAY
 - 28 - OVER VOLTAGE RELAY
 - 29 - BREAKING DETECTION RELAY
 - 30 - UNDER VOLTAGE RELAY
 - 31 - MANUVER
 - 32 - BREAKING DETECTION VOLTMETER
 - ALM - ALARM ONLY
 - EM - EMERGENCY SOURCE
 - NS - NORMAL SOURCE
 - - INSTRUMENT

- NOTES:**
1. USE 1/2" X 3/8" ANG CABLE FOR STARTER TO MOTOR SHUNT FIELD, UNLESS OTHERWISE NOTED.
 2. ALL 125V DC CIRCUIT BREAKERS ARE: (OTHERWISE NOTED)
 - DC-1 3POLE DC-2 3POLE DC-3 3POLE
 - DC-1A 3POLE DC-2A 3POLE DC-3A 3POLE
 - DC-1B 3POLE DC-2B 3POLE DC-3B 3POLE
 3. ALL 150V AC CIRCUIT BREAKERS ARE 1P UNLESS OTHERWISE NOTED.
 4. ONE ADDITIONAL CONTACT FOR EACH FEEDER BREAKER (INTERMEDIATE DC-1, DC-2 AND DC-3) IS REFERRED TO ONE CATEGORY ALARM TO INDICATE OPEN BREAKER CONDITION.
 5. ALL BREAKERS ON SWITCHBOARD DC-3 AND MCC'S DC-1A, DC-1B, DC-2A, DC-2B ARE THE HPS-150 FRAME WITH 25KA INTERRUPTING CAPACITY UNLESS OTHERWISE NOTED. THE BREAKER FOR THE REACTOR WATER RELEASEPUMP (DC-3) IS THE 25KA INTERRUPTING CAPACITY UNLESS OTHERWISE NOTED. THE FRAME IS THE OVERHEAD SWING DESIGN.
 6. ALL BREAKERS ON PANELS DC-1C, DC-3A, DC-3B, DC-3C, DC-3D ARE THE TYP-100 FRAME WITH 10KA INTERRUPTING CAPACITY UNLESS OTHERWISE NOTED. THE FRAME IS THE OVERHEAD SWING DESIGN.
 7. THESE BREAKERS ARE DESIGNED FOR TEMP FEED DURING OUTAGE TEMP CABLES NOT CONNECTED DURING NORMAL OPERATIONS. REFERENCE TO 200A, 300A, 350A.
 8. CIRCUIT BREAKER IS A HIMP STYLE BREAKER WITH A MINIMUM 22 KA INTERRUPTING CAPACITY.

REFERENCE DWG'S:

- B-191301
- B-191305
- A-191382 SERIES
- A-191383 SERIES

71	REVISED PER	8-11-10	SHOULDER
	DC 51525	WB	IN AS
72	REVISED PER	8-18-10	SHOULDER
	DC 48438	WB	IN AS
REV	DESCRIPTION	BY	CHKD. APPLD.
ENERGY NUCLEAR VERMONT TANKHEAD VERMONT			
DRAWING TITLE		125VDC	
ONE LINE WIRING DIAGRAM			
DRAWING NO.		G-191372 SH.1	

THIS IS AN
FSAR DRAWING