NOTES-TECHNICAL REQUIREMENTS

Nº	REF. SH. Nº	DESCRIPTION
1	2 + 3	SWITCHBOARD INSTRUMENTATION, GENERATOR EXCITATION EQUIPMENT, CIRCUIT BREAKER AND PROTECTIVE RELAYING SHALL BE PER OWNER'S SPECIFICATIONS AND APPLICABLE REGULATIONS.
2	GENL.	ALL CABLES FORMING PART OF THE 600 V. POWER SYSTEM SHALL BE CANADA WIRE + CABLE TYPE " MARINEX - XB1 " SPEC. Nº PES - 302 OR APPROVED EQUAL.
3	4 △	A. SEQUENTIAL STARTING TO PREVENT OVERLOADING OF THE EMERGENCY GENERATOR IS REQUIRED FOR: EMERGENCY FIRE PUMP BILGE PUMP REDUCTION GEAR STANDBY L.O. PUMPS PORT AND STBD. B. SEQUENTIAL STARTING IS REQUIRED FOR: FWD. GROUP HYDRAULIC PUMP MOTORS TOWING WINCH HYDRAULIC PUMP MOTORS AFT GROUP HYDRAULIC PUMP MOTORS STERN THRUSTER SYSTEM
4	△	
5	△	
6	△	
7	△	
8	3	WHENEVER S.S. GENERATORS REACH △ 105 % RATED LOAD, THE FOLLOWING ITEMS SHALL BE SUBJECTED TO LOAD DUMPING: △ 600 V. NON-ESSENTIAL MCC'S Nºs 1, 2 + 3. 240 V. TRANSFORMER - ACCOMODATION RE-HEATERS.
9	5	WHENEVER THE EMERGENCY GENERATOR FEEDS INTO THE SS. SWITCHBOARD AND REACHES △ 105 % RATED LOAD, CIRCUIT-BREAKERS CB2+3 SHALL OPEN AND DUMP THE S.S. LOADS.
10	3 △	A LOW VOLTAGE SENSING DEVICE SHALL TRIP AND PREVENT CLOSURE OF CB3 AT LOW VOLTAGE CONDITIONS OF 85 % SYSTEM VOLTAGE (≈ 450V) OR LESS. SUFFICIENT TIME DELAY SHALL BE PROVIDED TO PREVENT TRIPPING OF CB3 ON MOMENTARY VOLTAGE DIPS. THE TRIPPING OF CB3 SHALL CAUSE THE EMERGENCY GENERATOR TO START.
11	△	
12	4, 5 + 6	CIRCUIT BREAKERS FITTED IN 600 V. MCC'S ARE NOT TO BE LESS THAN 30 KA SYM. RMS INTERUPTING RATING DESPITE PROSPECTIVE SHORT CIRCUIT CURRENTS BEING SIGNIFICANTLY LESS.
13	7	CIRCUIT BREAKERS FITTED IN 120V. AND 240V. MCC'S ARE NOT TO BE LESS THAN 18 KA SYM. RMS INTERUPTING RATING DESPITE PROSPECTIVE SHORT CIRCUIT CURRENTS BEING SIGNIFICANTLY LESS.
14		
15	7 △	EXCEPT NAVIGATION LIGHTS PANEL, ALL 120 V. AND 240 V. DISTRIBUTION PANELS ARE 3-PHASE / 3-WIRE AND SUPPLY SINGLE PHASE CIRCUITS UTILIZING TWO (2) POLE CIRCUIT BREAKERS. PHASE BALANCE TO BE IN ACCORDANCE WITH TP127.
16	2 △	WHEN CB5 (S.S. GEN.R # 1) AND / OR CB6 (S.S. GEN.R # 2) ARE CLOSED, INTERLOCKING SHALL PREVENT THE OPERATION OF THE TOWING WINCH HYDRAULIC MOTORS. THE INTERLOCKING SHALL BE DEFEATED WHENEVER THE SHAFT GENERATOR MCC IS ENERGIZED FROM ONE OF THE SHAFT GENERATORS.
17		
18	2 + 3	ALL AIR CIRCUIT BREAKERS SHALL HAVE AN INTERUPTING RATING OF NOT LESS THAN 40 KA SYM. RMS. AND ALL SWITCHBOARD MOUNTED MOULDED CASE CIRCUIT BREAKERS SHALL HAVE AN INTERUPTING RATING OF NOT LESS THAN 30 KA SYM. RMS.

INDEX

REVISIONS

Rev. No.	Revisions	Date
3	AS FITTED	7/6/85
2	GENERAL REVISION	11/7/84
△	GENERALLY REVISED	JULY 24 1984

App'd/App'n

Date

Contractor / Entrepreneur: VITO STEEL BOAT & BARGE CONSTRUCTION LTD.

Canadian Coast Guard / Garde côtière canadienne

CCG Ident Nº / GCC Ident Nº

Vessel / Navire: 1050 NAV-AID VESSEL

Drg. Title / Dess. titre: EL.POWER ONE LINE SCHEMATIC

Date: | Scale/Échelle: N/A | Rev. 3

Contractor Drg. No. / Entrepreneur Dess. Nº 461-803-1 OF 8