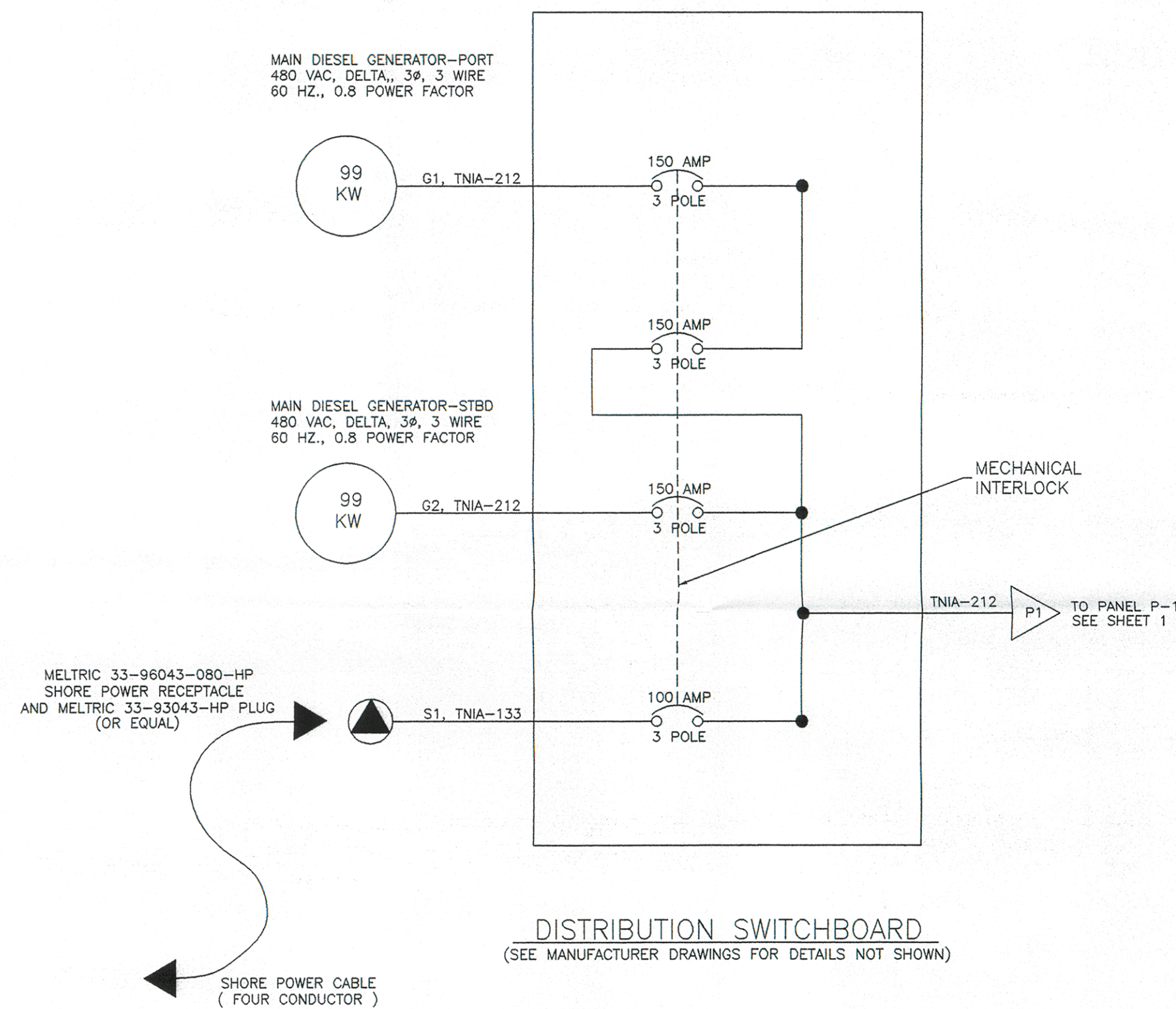
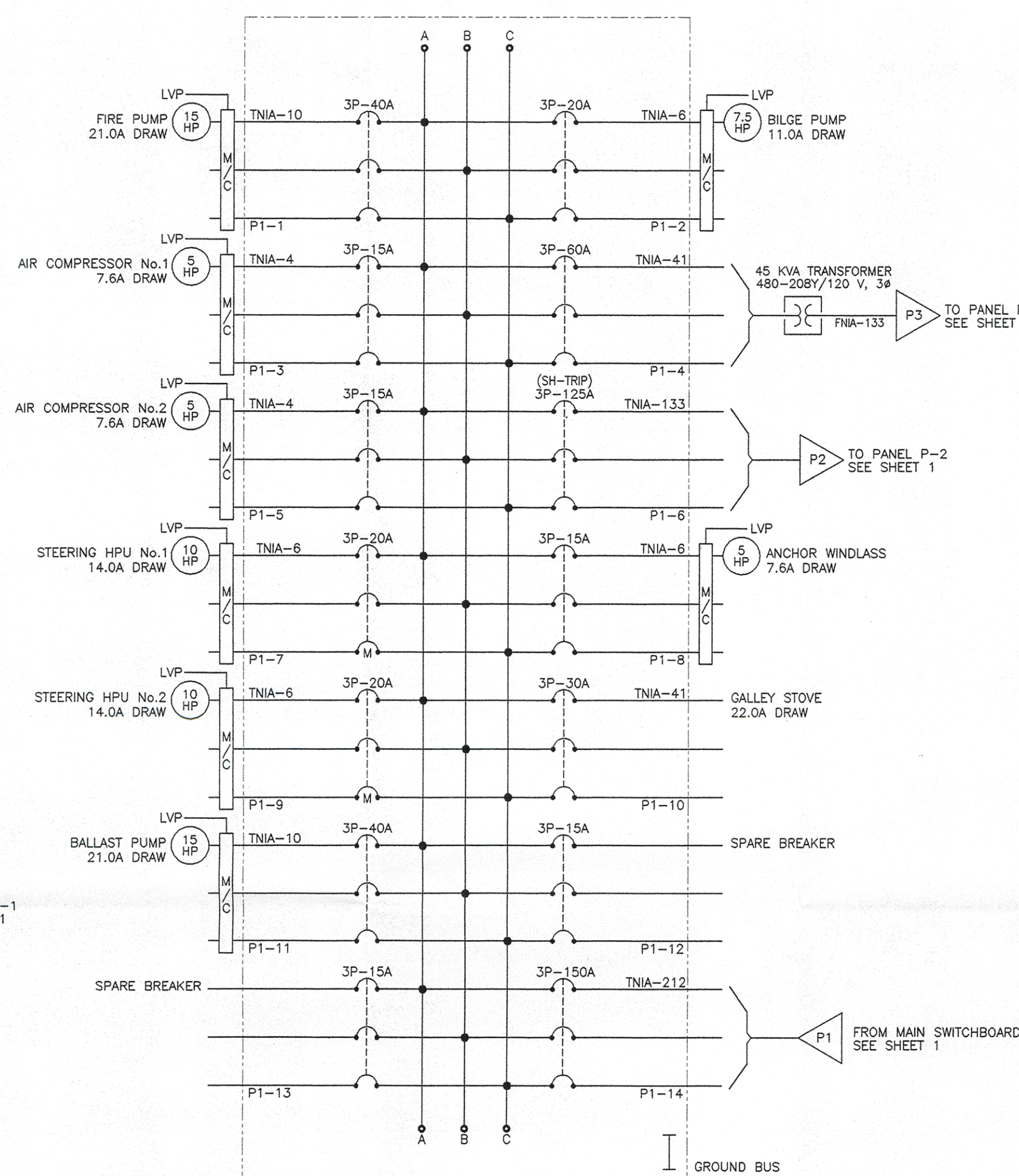
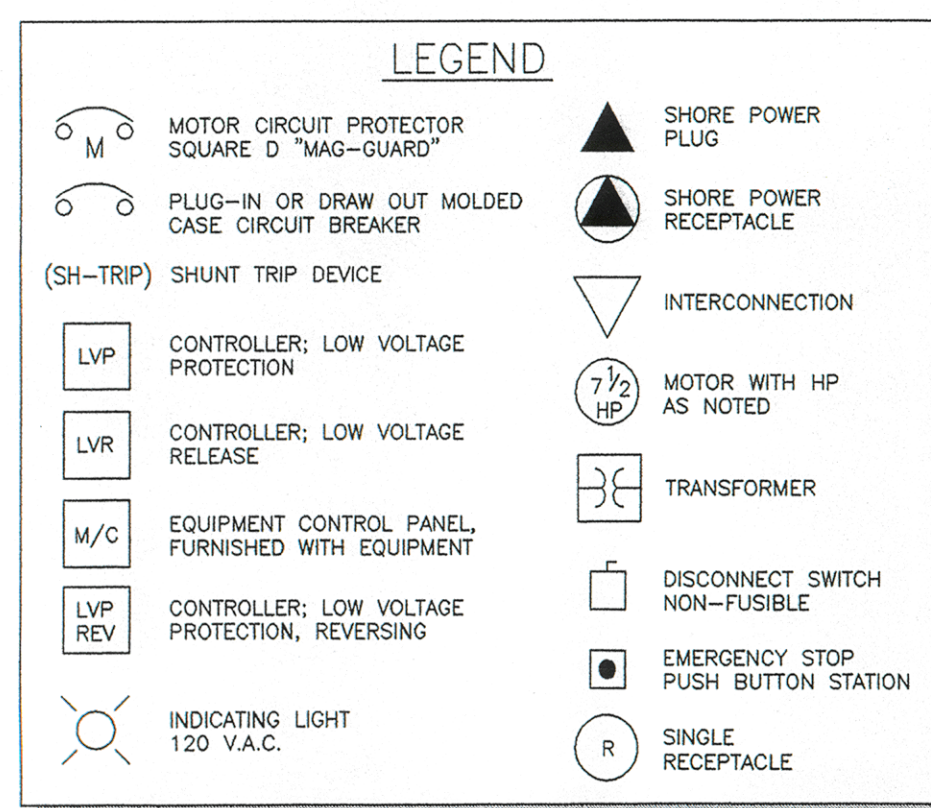


REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED
1	ISSUED FOR REVIEW	11/10/03	
2	REVISED PER SHIPYARD COMMENTS	11/14/03	



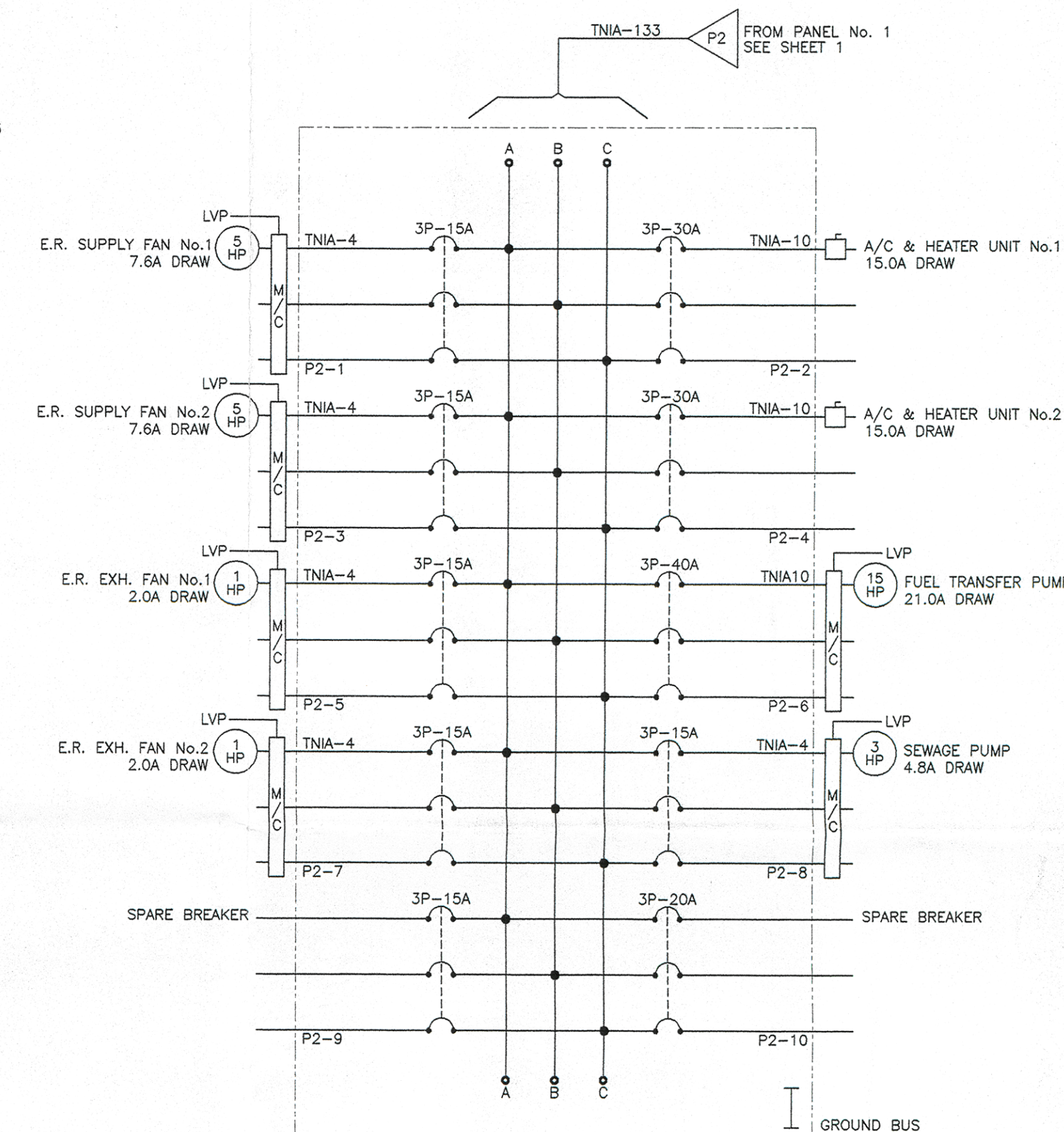
DISTRIBUTION SWITCHBOARD
(SEE MANUFACTURER DRAWINGS FOR DETAILS NOT SHOWN)



PANEL P-1

GENERAL NOTES

- EQUIPMENT AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS, RULES AND RECOMMENDATIONS CONTAINED IN CURRENT ISSUES OF CCR, TITLE 46, PART 125; AMERICAN BUREAU OF SHIPPING "RULES FOR BUILDING AND CLASSING STEEL VESSELS UNDER 90 METERS (295 FT) IN LENGTH; AND IEEE STANDARD 45.
- ELECTRICAL PANELS SHALL BE NEMA TYPE 1 WITH DRIP HOOD ON ENGINE ROOM PANELS. DIRECTORIES INSIDE THE PANELS SHALL IDENTIFY CIRCUIT DESIGNATION AND THE SERVICE FOR EACH CIRCUIT BREAKER.
- ALL MOTOR CONTROLLERS SHALL HAVE MANUAL RESET, THERMAL OVERLOAD PROTECTION AND INTEGRAL START/STOP PUSH BUTTONS. CONTROLLERS FOR AUTO OR REMOTE OPERATION SHALL ALSO BE PROVIDED WITH HAND-AUTO OR LOCAL-REMOTE SELECTOR SWITCH. EXTERIOR MOUNTED CONTROLLERS SHALL BE MOUNTED IN NEMA-4 WEATHER-TIGHT ENCLOSURES. INTERIOR ENCLOSURES SHALL BE NEMA-12. LABELS SHALL IDENTIFY EACH MOTOR CONTROLLER.
- ELECTRICAL WIRE SHALL BE "TNIA" TYPE, MANUFACTURED BY L.F. GAUBERT AND CO. THIS POWER CABLE IS CONSTRUCTED OF A FLAME-RETARDANT THERMOPLASTIC AND NYLON INSULATION, MOISTURE RESISTANT AND FLAME-RETARDANT THERMOPLASTIC JACKET, AND ALUMINUM ARMOR.
- ALL ELECTRICAL CONNECTIONS SHALL BE INSIDE JUNCTION BOXES OR INSIDE THE ELECTRICAL FIXTURE.
- ELECTRICAL MOTORS SHALL BE O.D.P., OR T.E.F.C. IN AREAS EXPOSED TO WEATHER.
- MINIMUM INTERRUPTING RATING OF ALL CIRCUIT BREAKERS SHALL BE 10,000 RMS SYMMETRICAL.
- SWITCHBOARD SHALL CONTAIN MECHANICAL INTERLOCK TO PREVENT PARALLELING OF NON-SYNCHRONOUS SOURCES.
- MAXIMUM VOLTAGE DROP FROM THE POWER SOURCE TO THE EQUIPMENT IS 5%.



PANEL P-2

STERLING MARINE, LTD. DRAWN BY: T. CARVER CHECKED BY: APPROVED BY: DATE: 04 NOV 2003		STERLING MARINE, LTD. 1150 SHADY LANE GULF BREEZE, FL 32563 136 FT. OFFSHORE SUPPLY VESSEL (LoFORCE SHIPYARD, INC. - HULL 137/138) ONE-LINE DIAGRAM	
NO. TITLE DWG. NO.		LoFORCE	
APPROVED: DATE:		SIZE: PROJECT NO.: D	DWG. NO.: 137-C720-01
SCALE: NONE		REV: 2	SHEET 1 OF 1