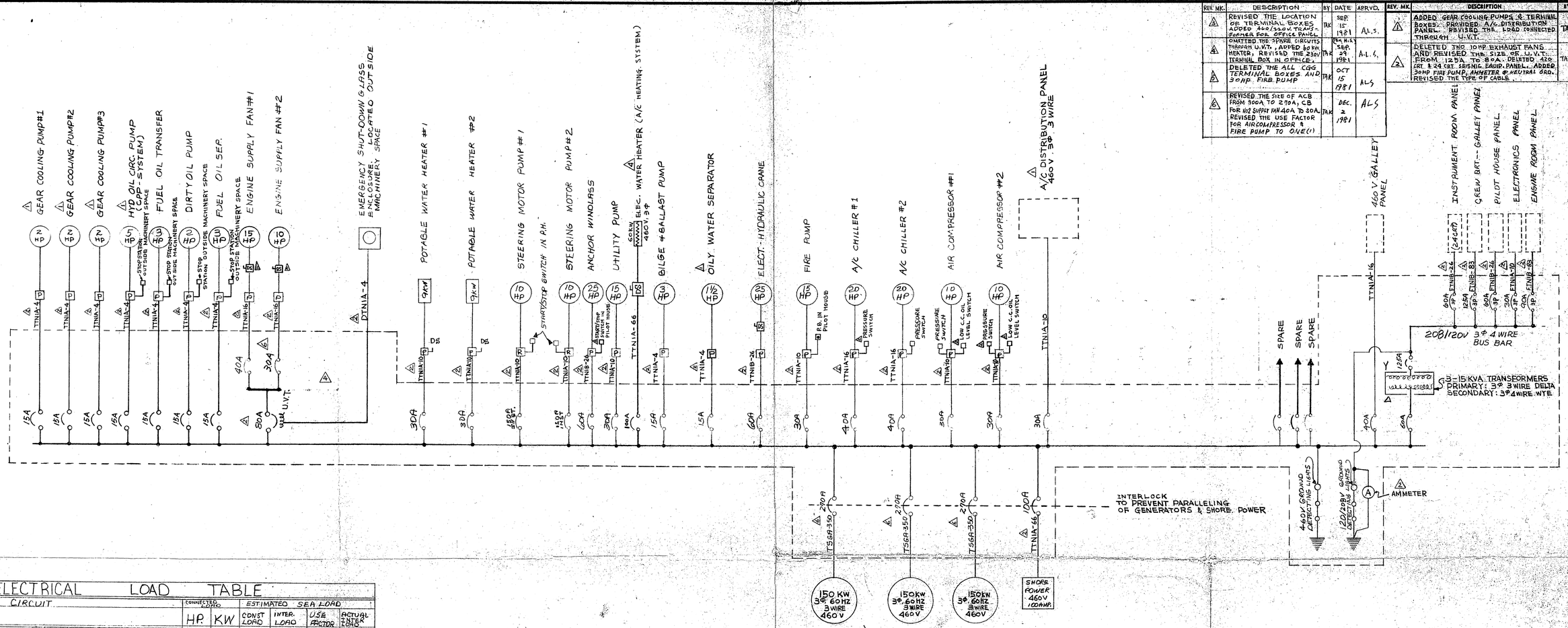

REV. MK.	DESCRIPTION	BY	DATE	APRVD.
1	REVISED THE LOCATION OF TERMINAL BOXES ADDED 440/55OV. TRANS. FRAMES FOR OFFICE PANEL	TAK	SEPT 15 1981	ALS.
2	OMITTED THE SPARE CIRCUITS THROUGH U.V.T.; ADDED 60 KW HEATER, REVISED THE 230V TERMINAL BOX IN OFFICE.	TAK	SEPT 29 1981	ALS.
3	DELETED THE ALL CGG TERMINAL BOXES AND 30HP. FIRE PUMP	TAK	OCT 15 1981	ALS
4	REVISED THE SIZE OF ACB FROM 50A TO 270A, CB FOR 402 SUPPLY FAN 40A TO 30A, REVISED THE USE FACTOR FOR AIRCOMPRESSOR & FIRE PUMP TO ONE(1)	TAK	DEC. 2 1981	ALS

REV. MK.	DESCRIPTION	BY	DATE	APRVD.
1	ADDED GEAR COOLING PUMPS & TERMINAL BOXES. PROVIDED A/C DISTRIBUTION PANEL. REVISED THE LOAD CONNECTED THROUGH U.V.T.	TAK	JULY 7 1981	
2	DELETED TWO 10 HP. EXHAUST FANS AND REVISED THE SIZE OF U.V.T. FROM 125A TO 80A. DELETED 420 CKT. & 24 CKT. LIGHTING PANEL. ADDED 30HP FIRE PUMP, AMMETER & NEUTRAL GRD. REVISED THE TYPE OF CABLE.	TAK	AUG. 20 1981	ALS

ELECTRICAL LOAD TABLE

CIRCUIT	CONNECTED LOAD HP	CONNECTED LOAD KW	ESTIMATED SEA LOAD CONST LOAD	ESTIMATED SEA LOAD INTER. LOAD	USE FACTOR	ACTUAL INTER LOAD
STEERING MOTOR PUMP #1	10	7.5	2	5.5	.1	.55
STEERING MOTOR PUMP #2	10	7.5	—	—	—	—
ANCHOR WINDLASS	25	18.7	—	18.7	—	—
UTILITY PUMP	15	11.2	—	11.2	.05	.56
BILGE & BALLAST PUMP	3	2.2	—	2.2	.1	.22
POTABLE WATER HEATER #1	—	9	—	9	.3	2.7
POTABLE WATER HEATER #2	—	9	—	—	—	—
TRANSFORMER	—	45	10	45	.6	27
A/C CHILLER #1	20	15	—	—	—	—
ELECT - HYDRAULIC CRANE	25	18.7	—	—	—	—
A/C CHILLER #2	20	15	—	—	—	—
FIRE PUMP	15	11.2	—	11.2	1	11.2
ELECTRIC WATER HEATER	—	60	30	30	.5	15
FUEL OIL PURIFIER	3	2.2	—	2.2	.3	.660
FUEL OIL TRANSFER PUMP	3	2.2	—	2.2	.3	1.660
DIRTY OIL PUMP	2	1.5	—	1.5	.1	.15
ENG. RM. SUPPLY FAN #1	15	11.2	11.2	—	—	—
ENG RM. SUPPLY FAN #2	10	7.5	7.5	—	—	—
AIR COMPRESSOR #1	10	7.5	—	7.5	1	7.5
AIR COMPRESSOR #2	10	7.5	—	7.5	1	7.5
440V CREW/GRT-GALLEY PANEL	—	18	—	18	.4	7.2
OILY WATER SEPARATOR	1½	1.1	—	1.1	.4	.44
GEAR COOLING PUMP NO1	2	1.5	—	1.5	.8	1.2
NO2	2	1.5	—	1.5	.8	1.2
NO3	2	1.5	—	1.5	.8	1.2
HYD OIL CIRC. PUMP (CPP SYSTEM)	5	3.7	—	3.7	.8	3.0
AC #1 COND. WATER	2	1.5	—	—	—	—
AC #2 COND. WATER	2	1.5	—	—	—	—
AC. CHILLED WATER LOOP PUMP	2	1.5	—	—	—	—
AC. HOT WATER CIRC. PUMP	2	1.5	—	1.1	.8	.9
AC STAND BY PUMP	2	1.5	—	—	—	—
A.C. HOT WATER/CHILL WATER	2	1.5	—	—	—	—
TOTAL		305.9	60.7	182.1		88.8

MAX. AVG SEA LOAD → 149.5 KW

NOTES:

1. POWER TO DISTRIBUTION PANELS IS 208/30 BY USING GROUNDED NEUTRAL POWER TO LIGHTING AND FRACTIONAL H.P. MOTORS IS SINGLE PHASE, 120V.
2. ALL EQUIPMENT, MATERIAL & WORKMANSHIP ARE TO BE IN ACCORDANCE WITH REQUIREMENTS OF A.B.S. & U.S.C.G.
3. GENERATORS ARE TO BE DELCO DRIVEN BY G.M. DIESELS.
4. FOR CONTROLLERS:
   - P = LOW VOLTAGE PROTECTION
   - R = LOW VOLTAGE RELEASE
   - AM = AUTO-MANUAL
   - DS = DISCONNECT SWITCH
5. FIGURES ON BREAKERS ARE TRIP SETTINGS.

NOTE
1A. SEWAGE DISCHARGE PUMP AND CONNECTION FOR 220V 30A. TERMINAL BOX, A/C DISTRIBUTION PANEL ARE RESERVED.

DESIGN ASSOCIATES, INC.
NAVAL ARCHITECTS MARINE ENGINEERS
NEW ORLEANS, LA.

TIDEWATER MARINE SERVICE

143' x 36' x 10' SEISMIC VESSEL

ONE LINE ELECTRICAL DIAGRAM AND LOAD ANALYSIS

Drawn: J. THOMAS	Date: 5/8/81	Checked:	
Traced:	Date:	Checked:	
Aprvd:	Date:	Scale: N.T.S.	
Sheet Of	Drawing No. C-20623-5	Revision Mark	4

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