TRANSFORMER AND RELAY BOX

(MTG. IN W/H CRAWL SPACE)

MIMIC

(SEE GB-E-51 SHT. 4 OF 4)

BRIDGE CONTROL UNIT

(MTG ON INFORMATION CONSOLE)

NOTES : 1) GREEN LAMP = DOOR CLOSED.
RED LAMP = DOOR OPEN.

2) TERMINAL NUMBERS SHOULD BE PREFIXED WITH THE APPROPRIATE DOOR NUMBER.
E.G. 11 TO 19 FOR DOOR Nº 1,
21 TO 29 FOR DOOR Nº 2,
31 TO 39 FOR DOOR Nº 3,
151 TO 159 FOR DOOR Nº 15, ETC.

FLA 10.0

120V

15KVA

460V

TB1 1 2 3 4

TP-111 (6C14)

WD-1-A (6C14)

WD-1-B (6C14)

WD-2 (6C14)

1CLR 2CLR 3CLR 4CLR 5CLR 6CLR 7CLR 8CLR 9CLR 10CLR 11CLR 12CLR 13CLR 14CLR 15CLR

RELAY RACK

(MTG IN W/H CRAWL SPACE)

DOOR Nº 7 | DOOR Nº 8 | DOOR Nº 3 | DOOR Nº 1 | DOOR Nº 10 | DOOR Nº 11 | DOOR Nº 12 | DOOR Nº 13 | DOOR Nº 15 | DOOR Nº 14 | DOOR Nº 9 | DOOR Nº 5

WD-5A (6C14) TO DISTRIBUTION & FUSE BOX FOR DOORS Nº 1 12, (SEE DWG. GB-E-11 SHT. 3 OF 3)

WD-3 (6C14) TO DISTRIBUTION & FUSE BOX FOR DOORS Nº 3 (2) 12 13 (SEE DWG GB-E-11 SHT 3 OF 3)

WD-4 (6C14) TO DISTRIBUTION & FUSE BOX FOR DOORS Nº 3 6, & 15 (SEE DWG. GB-E-11 SHT 3 OF 3)

WD-5B (6C14) TO DISTRIBUTION & FUSE BOX FOR DOORS Nº 4, 5 & 14 (SEE DWG. GB-E-11 SHT 3 OF 3)

WD-6 (6C14)

TP-112 (6C14)

TEMPORARY EMERGENCY BUS Nº 1

TB5 3 4

30 KVA INVERTER

DISTRIBUTION AND FUSE BOX FOR WATERTIGHT DOORS Nº'S. 7, 8 & 9

WD-70 (14C14)

WD-71 (6C14)

WD-80 (4C14) TO I.B. AT DOOR Nº 8

WD-81 (6C14) TO MOTOR STARTER #8

WD-90 (14C14) TO I.B. AT DOOR Nº 9

WD-91 (6C14) TO MOTOR STARTER #9

WD-G-1 (6C14)

TP-108 (3C14)

MOTOR STARTER #7 (TYPICAL)

M

O/L RESET

CLOSED G

OPEN R

MOTOR

JUNCTION BOX AT DOOR # 7

(TYPICAL)

WD-72 (2C14)

WD-73 (2C14)

WD-74 (4C14)

WD-75 (3C14)

WD-76 (2C14)

WD-77 (2C14)

WD-78 (2C14)

CLOSE

OPEN

WARNING BELL

CLOSE LIMIT SWITCH

MICRO SWITCH IN DOOR CONTROL VALVE

SPRING RETURN

OPEN LIMIT SWITCH

KEY OPERATED SWITCH

KEY OPERATED SWITCH

DISTRIBUTION & FUSE BOX FOR WATERTIGHT DOORS Nº'S 10, 11, 12 & 13

REFERENCES

No.	TITLE	DRG. No.
1	ELEC. PWR. SINGLE LINE DIA. EMER. SECT.	GB-E-1 SHT. 3
2	WT. DOOR SYSTEM BLOCK DIAGRAM	GB-E-11
		SHT. 2
3	15 WT. DOORS, SERIES II UNIT SYSTEM	CD 27864
	CONTROLS ELEC. SCHEMATIC DIA.	SHTS. 1 & 2
4	15 WT. DOORS, SERIES II UNIT SYSTEM	CD 27865
	CONTROLS ELEC. INTERCONNECTION DIA.	

ALTERATIONS

REV.	DESCRIPTION	DATE	APP.
A	REMOVED CABLE WD-73; WD-3 CHANGED TO WD-4; WD-1-2 CHANGED TO WD-6-1.	11/9/81	L.A.
	REMOVED WD-1-1 & WD-3-2-1, ADDED SHT. 3		"
B	SHOWN CABLE & TERMINALS IN RELAY RACK FOR WD3 & WD5B AS BUILT	7/JAN/82	GW

PRINT ISSUE

GROUP	REVISIONS												
	0	0	0	0	A	A							
CUSTOMER INSPECTION		X	X										
OFFICE	1				1								
SUPERINTENDENT					2								
FIELD			2			2	1						
D.S.S.	3												
TOTAL	4	1	5	1	2	3	2						
DATE OF ISSUE	9-JAN-81		23-JAN-81		25-JAN-81		9-FEB-82						

APPROVALS

D.S.S.	M.O.T.				
14-9-81	10-11-81				

DRG. No. 68-E-11 SHEET 1 OF 3 ALT. B.

JOB HULL "68 'R' CLASS ICEBREAKER WATERTIGHT DOOR SYSTEM

BLOCK AND CONNECTION DIAGRAM

SCALE: NONE JOB No. 2023

CUSTOMER

PORT WELLER DRY DOCK

DRAWN BY: L. ABBOTT DATE: 6 AUG. 81

CHECKED BY: F. SOW APPROVED BY:

canal

ELECTRICAL & MECHANICAL CONTRACTORS
A DIVISION OF UPPER LAKES SHIPPING LTD.
ST. CATHARINES, ONTARIO L2M 6T4
HAMILTON, ONTARIO L8E 3N9

DRG No. 68-E-11 SHT No. 3