HULL 68 ACCT 2030 SYSTEM SEA-WATER — PIPE LIST — SHEET 11 of DWG 2030-8 — DWG. TITLE REFRIGERATION AND AIR CONDIT'G S.W. CIRC ARRG'T

PIPE NO.	SIZE	SCH.	BL'K OR GALV.	REF	DETAIL SHEET NO	DESCRIPTION	FAB. 1	FAB. WELD. 2	FIT FLG. 3	FLG. WELD. 4	GALV. P'KLE. 5	INSTALL TEMP 6	INSTALL FINAL 7	TEST 8
169-SC-1	1"	X STRG	GALV			CARGO REFRIGERATION UNIT S.W.								
169-SC-2	↓	↓				DISCHARGE OVERBOARD								
169-SC-3	1",1½"	X-STRG STD WT												
169-SC-4	1½"	STD WT	↓											
169-SC-5	5"	SEE	REFERENCE ②			↓								
170-SC-1	1½"	STD WT	GALV			DOMESTIC REFRIGERATION UNIT SUCTION								
170-SC-2						FROM SEA-BAY								
170-SC-3														
170-SC-4														
170-SC-5														
170-SC-6	↓													
170-SC-7	1½,2"													
170-SC-8	1½"													
170-SC-9	1½",2"	↓	↓											
55-SC-1	1½"	REFERENCE ①				↓								

HULL 68 ACCT 2030 SYSTEM SEA-WATER — PIPE LIST — SHEET 12 of DWG 2030-8 — DWG. TITLE REFRIGERATION & AIR CONDITIONING S.W. CIRC. ARRG'T

PIPE NO.	SIZE	SCH.	BL'K OR GALV.	REF	DETAIL SHEET NO	DESCRIPTION	FAB. 1	FAB. WELD. 2	FIT FLG. 3	FLG. WELD. 4	GALV. P'KLE. 5	INSTALL TEMP 6	INSTALL FINAL 7	TEST 8
171-SC-1	1½"	STD WT	GALV			SEA-WATER TO DOMESTIC REFRIGERAT'N								
171-SC-2						UNIT								
171-SC-3														
171-SC-4														
171-SC-5	↓	↓												
171-SC-6	1",1½"	X-STRG STD WT												
171-SC-7	1"	X STRG												
171-SC-8														
171-SC-9														
171-SC-10	↓	↓	↓			↓								
172-SC-1	1"	X STRG	GALV			DOMESTIC REFRIGERATION SEA-WATER								
172-SC-2	1",1½"	X-STRG STD WT				DISCHARGE OVERBOARD								
172-SC-3	1"	X STRG												
172-SC-4	1½"	STD WT												
172-SC-5	↓	↓	↓			↓								

HULL 68 ACCT 2030 SYSTEM SEA WATER — PIPE LIST — SHEET 13 of DWG 2030-8 — DWG. TITLE REFRIGERATION & AIR CONDITIONING S.W. CIRC. ARRG'T

PIPE NO.	SIZE	SCH.	BL'K OR GALV.	REF	DETAIL SHEET NO	DESCRIPTION	FAB. 1	FAB. WELD. 2	FIT FLG. 3	FLG. WELD. 4	GALV. P'KLE. 5	INSTALL TEMP 6	INSTALL FINAL 7	TEST 8
172-SC-6	5"	SEE	REFERENCE ②			DOMESTIC REFRIGERATION SEA-WATER								
						DISCHARGE OVERBOARD								

HULL 68 ACCT 2030 SYSTEM SEA-WATER — PIPE LIST — SHEET 10 of DWG 2030-8 — DWG. TITLE REFRIGERATION AND AIR CONDIT'G S.W. CIRC ARRG'T

PIPE NO.	SIZE	SCH.	BL'K OR GALV.	REF	DETAIL SHEET NO	DESCRIPTION	FAB. 1	FAB. WELD. 2	FIT FLG. 3	FLG. WELD. 4	GALV. P'KLE. 5	INSTALL TEMP 6	INSTALL FINAL 7	TEST 8
164-SC-1	2",2½"	STD WT	GALV			SEA-WATER TO A/C UNIT № 5								
164-SC-2	2½"													
164-SC-3														
164-SC-4														
164-SC-5														
164-SC-6														
164-SC-7														
164-SC-8														
164-SC-9		↓												
164-SC-10		X STRG												
164-SC-11		STD WT												
164-SC-12		↓												
164-SC-13		X STRG												
164-SC-14		STD WT												
164-SC-15		X STRG												
164-SC-16	↓	STD WT												
164-SC-17	2½",1½"													
164-SC-18	2½"													
164-SC-19	↓	↓	↓			↓								

HULL 68 ACCT 2030 SYSTEM SEA-WATER — PIPE LIST — SHEET 11 of DWG 2030-8 — DWG. TITLE REFRIGERATION AND AIR CONDIT'G S.W. CIRC ARRG'T

PIPE NO.	SIZE	SCH.	BL'K OR GALV.	REF	DETAIL SHEET NO	DESCRIPTION	FAB. 1	FAB. WELD. 2	FIT FLG. 3	FLG. WELD. 4	GALV. P'KLE. 5	INSTALL TEMP 6	INSTALL FINAL 7	TEST 8
165-SC-1	2½"	STD WT	GALV			SEA-WATER FROM A/C UNIT №5								
165-SC-2						OVERBOARD								
165-SC-3														
165-SC-4														
165-SC-5														
165-SC-6														
165-SC-7														
165-SC-8														
165-SC-9														
165-SC-10														
165-SC-11														
165-SC-12		↓	↓											
165-SC-13	↓	SEE	REFERENCE ②			↓								
166-SC-1	1½"	STD WT	GALV			EMERGENCY SEA-WATER TO A/C UNIT								
166-SC-2						№5 FROM FIRE-MAIN								
166-SC-3	↓	↓	↓			↓								
167-SC-1	1½"	STD WT	GALV			CARGO REFRIGERATION SEA-WATER								
167-SC-2						CIRC PUMP SUCTION FROM SEA-BAY								
167-SC-3	↓	↓	↓			↓								

HULL 68 ACCT 2030 SYSTEM SEA-WATER — PIPE LIST — SHEET 12 of DWG 2030-8 — DWG. TITLE REFRIGERATION AND AIR CONDIT'G S.W. CIRC ARRG'T

PIPE NO.	SIZE	SCH.	BL'K OR GALV.	REF	DETAIL SHEET NO	DESCRIPTION	FAB. 1	FAB. WELD. 2	FIT FLG. 3	FLG. WELD. 4	GALV. P'KLE. 5	INSTALL TEMP 6	INSTALL FINAL 7	TEST 8
167-SC-4	1½"	STD WT	GALV			CARGO REFRIGERATION SEA-WATER								
167-SC-5	↓					CIRC PUMP SUCTION FROM SEA-BAY								
167-SC-6	2",1½"													
167-SC-7	1½"													
167-SC-8	2",1½"	↓	↓											
50-SC-1	1½"	SEE	REFERENCE ①			↓								
168-SC-1	1½"	STD WT	GALV			SEA-WATER TO CARGO REFRIGERATION								
168-SC-2						UNIT								
168-SC-3														
168-SC-4														
168-SC-5	↓													
168-SC-6	1½",1"	↓												
168-SC-7	↓	STD WT X-STRG												
168-SC-8	1"	X STRG												
168-SC-9														
168-SC-10														
168-SC-11	↓	↓	↓			↓								

HULL 68 ACCT 2030 SYSTEM SEA-WATER — PIPE LIST — SHEET 7 of DWG 2030-8 — DWG. TITLE REFRIGERATION & AIR CONDITIONING S.W. CIRC. ARRG'T

PIPE NO.	SIZE	SCH.	BL'K OR GALV.	REF	DETAIL SHEET NO	DESCRIPTION	FAB. 1	FAB. WELD. 2	FIT FLG. 3	FLG. WELD. 4	GALV. P'KLE. 5	INSTALL TEMP 6	INSTALL FINAL 7	TEST 8
156-SC-19	2½"	SEE	REFERENCE ②			S.W. TO A/C UNIT №4								
157-SC-1	1"	X STRG	GALV			S.W. TO A/C UNIT № 13								
157-SC-2														
157-SC-3														
157-SC-4														
157-SC-5														
157-SC-6														
157-SC-7	↓	↓	↓			↓								
158-SC-1	1"	X STRG	GALV			S.W. FROM A/C UNIT №13								
158-SC-2														
158-SC-3														
158-SC-4														
158-SC-5	↓	↓	↓			↓								

SHEET #2 PIPING — SHEET #1 PIPING

HULL 68 ACCT 2030 SYSTEM SEA-WATER — PIPE LIST — SHEET 8 of DWG 2030-8 — DWG. TITLE REFRIGERATION & AIR CONDITIONING S.W. CIRC ARRG'T

PIPE NO.	SIZE	SCH.	BL'K OR GALV.	REF	DETAIL SHEET NO	DESCRIPTION	FAB. 1	FAB. WELD. 2	FIT FLG. 3	FLG. WELD. 4	GALV. P'KLE. 5	INSTALL TEMP 6	INSTALL FINAL 7	TEST 8
160-SC-1	3"	STD WT	GALV			A/C UNIT №6 S.W. CIRC PUMP SUCTION								
160-SC-2		↓	↓			FROM SEA-BAY								
160-SC-3														
49-SC-1	↓	SEE	REFERENCE ①			↓								
161-SC-1	2"	STD WT	GALV			SEA-WATER TO A/C UNIT № 6								
161-SC-2														
161-SC-3		X STRG												
161-SC-4		STD WT												
161-SC-5														
161-SC-6	↓	↓	↓			↓								

HULL 68 ACCT 2030 SYSTEM SEA-WATER — PIPE LIST — SHEET 9 of DWG 2030-8 — DWG. TITLE REFRIGERATION & AIR CONDITIONING S.W. CIRC ARRG'T

PIPE NO.	SIZE	SCH.	BL'K OR GALV.	REF	DETAIL SHEET NO	DESCRIPTION	FAB. 1	FAB. WELD. 2	FIT FLG. 3	FLG. WELD. 4	GALV. P'KLE. 5	INSTALL TEMP 6	INSTALL FINAL 7	TEST 8
161-SC-7	2"	STD WT	GALV			SEA-WATER TO A/C UNIT № 6								
161-SC-8	↓													
161-SC-9	2",1½"													
161-SC-10	1½"													
161-SC-11	↓	↓	↓			↓								
162-SC-1	1½",2"	STD WT	GALV			A/C UNIT №6 SEA-WATER DISCHARGE								
162-SC-2	2"					OVERBOARD								
162-SC-3	↓	↓	↓											
162-SC-4	6"	SEE	REFERENCE ②			↓								
163-SC-1	3"	STD WT	GALV			A/C UNIT № 5 S.W. CIRC PUMP SUCTION								
163-SC-2						FROM SEA-BAY								
163-SC-3														
163-SC-4														
163-SC-5		↓	↓											
56-SC-1	↓	SEE	REFERENCE ①			↓								

HULL 68 ACCT 2030 SYSTEM SEA-WATER — PIPE LIST — SHEET 4 of DWG 2030-8 — DWG. TITLE REFRIGERATION & AIR CONDITIONING S.W. CIRC ARRG'T

PIPE NO.	SIZE	SCH.	BL'K OR GALV.	REF	DETAIL SHEET NO	DESCRIPTION	FAB. 1	FAB. WELD. 2	FIT FLG. 3	FLG. WELD. 4	GALV. P'KLE. 5	INSTALL TEMP 6	INSTALL FINAL 7	TEST 8
153-SC-19	4"	STD WT	GALV			S.W. FROM A/C UNIT № 2,3 AND 13								
153-SC-20														
153-SC-21														
153-SC-22		↓	↓											
153-SC-23	↓	SEE	REFERENCE ②			↓								
154-SC-1	2"	STD WT	GALV			S.W. TO A/C UNIT № 4								
154-SC-2	2",2½"													
154-SC-3	2½"													
154-SC-4														
154-SC-5		↓												
154-SC-6		X STRG												
154-SC-7		STD WT												
154-SC-8														
154-SC-9														
154-SC-10	↓	↓	↓			↓								

HULL 68 ACCT 2030 SYSTEM SEA-WATER — PIPE LIST — SHEET 5 of DWG 2030-8 — DWG. TITLE REFRIGERATION & AIR CONDITIONING S.W. CIRC. ARRG'T

PIPE NO.	SIZE	SCH.	BL'K OR GALV.	REF	DETAIL SHEET NO	DESCRIPTION	FAB. 1	FAB. WELD. 2	FIT FLG. 3	FLG. WELD. 4	GALV. P'KLE. 5	INSTALL TEMP 6	INSTALL FINAL 7	TEST 8
154-SC-12	2½"	X STRG	GALV			S.W. TO A/C UNIT №4								
154-SC-13		STD WT												
154-SC-14														
154-SC-15														
154-SC-16		↓												
154-SC-17		X STRG												
154-SC-18		STD WT												
154-SC-19		X STRG												
154-SC-20		STD WT												
154-SC-21														
154-SC-22														
154-SC-23	↓	↓	↓			↓								
155-SC-1	2½"	STD WT	GALV			EMERGENCY S.W. TO A/C UNIT №4								

HULL 68 ACCT 2030 SYSTEM SEA-WATER — PIPE LIST — SHEET 6 of DWG 2030-8 — DWG. TITLE REFRIGERATION AND AIR CONDITIONING S.W. CIRC. ARRG'T

PIPE NO.	SIZE	SCH.	BL'K OR GALV.	REF	DETAIL SHEET NO	DESCRIPTION	FAB. 1	FAB. WELD. 2	FIT FLG. 3	FLG. WELD. 4	GALV. P'KLE. 5	INSTALL TEMP 6	INSTALL FINAL 7	TEST 8
156-SC-1	2½"	STD WT	GALV			S.W. FROM A/C UNIT № 4								
156-SC-2														
156-SC-3														
156-SC-5														
156-SC-6														
156-SC-7														
156-SC-8														
156-SC-9														
156-SC-10														
156-SC-11														
156-SC-12														
156-SC-13														
156-SC-14														
156-SC-15														
156-SC-16														
156-SC-17														
156-SC-18	↓	↓	↓			↓								

HULL 68 ACCT 2030 SYSTEM SEA WATER — PIPE LIST — SHEET 1 of DWG 2030-8 — DWG. TITLE REFRIGERATION & AIR CONDITIONG S.W. CIRC ARRG'T

PIPE NO.	SIZE	SCH.	BL'K OR GALV.	REF	DETAIL SHEET NO	DESCRIPTION	FAB. 1	FAB. WELD. 2	FIT FLG. 3	FLG. WELD. 4	GALV. P'KLE. 5	INSTALL TEMP 6	INSTALL FINAL 7	TEST 8
150-SC-1	4"	STD WT	GALV			A/C S.W. CIRC PUMPS SUCTION FROM								
150-SC-2	3",4",5"					SEA-BAY								
150-SC-3	3"													
150-SC-4	↓	↓	↓											
16-SC-1	4"	SEE	REFERENCE ①			↓								
151-SC-1	4"	STD WT	GALV			S.W. TO A/C UNIT №S 2,3 AND 13								
151-SC-2														
151-SC-3														
151-SC-4														
151-SC-5		↓												
151-SC-6		X STRG												
151-SC-7		STD WT												
151-SC-8														
151-SC-9		↓												
151-SC-10	↓	X STRG												
151-SC-11	4",1"	STD WT	↓			↓								

HULL 68 ACCT 2030 SYSTEM SEA WATER — PIPE LIST — SHEET 2 of DWG 2030-8 — DWG. TITLE REFRIGERATION & AIR CONDITIONING S.W. CIRC. ARRG'T

PIPE NO.	SIZE	SCH.	BL'K OR GALV.	REF	DETAIL SHEET NO	DESCRIPTION	FAB. 1	FAB. WELD. 2	FIT FLG. 3	FLG. WELD. 4	GALV. P'KLE. 5	INSTALL TEMP 6	INSTALL FINAL 7	TEST 8
151-SC-12	2½",3",4"	STD WT	GALV			S.W. TO A/C UNIT №S 2 AND 3								
151-SC-13	3"					S.W. TO A/C UNIT №3								
151-SC-14	2½",3"													
151-SC-15	2½"													
151-SC-16														
151-SC-17														
151-SC-18						↓								
151-SC-19						S.W. TO A/C UNIT № 2								
151-SC-20														
151-SC-21														
151-SC-22														
151-SC-23	↓	↓	↓			↓								
152-SC-1	3"	STD WT	GALV			EMERGENCY S.W. TO № 2,3, AND 13 A/C								
152-SC-2	↓	↓	↓			UNITS								

HULL 68 ACCT 2030 SYSTEM SEA-WATER — PIPE LIST — SHEET 3 of DWG 2030-8 — DWG. TITLE REFRIGERATION & AIR CONDITIONING S.W. CIRC ARRG'T

PIPE NO.	SIZE	SCH.	BL'K OR GALV.	REF	DETAIL SHEET NO	DESCRIPTION	FAB. 1	FAB. WELD. 2	FIT FLG. 3	FLG. WELD. 4	GALV. P'KLE. 5	INSTALL TEMP 6	INSTALL FINAL 7	TEST 8
153-SC-1	2½"	STD WT	GALV			S.W. FROM A/C UNIT № 3								
153-SC-2														
153-SC-3														
153-SC-4														
153-SC-5						↓								
153-SC-6						S.W. FROM A/C UNIT № 2								
153-SC-7														
153-SC-8														
153-SC-9						↓								
153-SC-10	↓					S.W. FROM A/C UNIT № 2 AND 3								
153-SC-11	2½",4"					S.W. FROM A/C UNIT № 2,3 AND 13								
153-SC-12	1",4"	↓												
153-SC-13	4"	X STRG												
153-SC-14		STD WT												
153-SC-15														
153-SC-16														
153-SC-17														
153-SC-18	↓	↓	↓			↓								

SHEET № 1 — SHEET № 2

PENETRATION LIST

	REF	HOLE SIZE	CENTRE OF HOLE DIMENSIONS: ATHWARTSHIPS	HEIGHT A/B	LONGITUDINAL	STRUCTURE PENETRATED	LINE DESCRIPTION	PIPE №
A X	P1	7⅛"x15⅛"	24'-0" PORT	17'-0" A/B	9" FWD FRM #98	17'-0" FLAT	S.W. CONN'NS TO №4 A/C UNIT	154-SC-2
A	P2	9⅛"	25'-3" PORT	17'-0" A/B	9" FWD FRM #104	17'-0" FLAT	S.W. TO № 2,3 AND 13 A/C UNITS	151-SC-2
A	P4	9⅛"	25'-4" STB'D	17'-0" A/B	9" FWD FRM #91	17'-0" FLAT	S.W. FROM № 2,3 AND 13 A/C UNITS	153-SC-21
X	P5	7⅛"x15⅛"	16'-2" PORT	26'-6 3/16" A/B	11" FWD FRM #100	MAIN DECK	S.W. CONN'S TO №4 A/C UNIT	154-SC-6
	P6	9⅛"	9'-0" PORT	26'-7 9/16" A/B	9" FWD FRM #103	MAIN DECK	S.W. TO № 2,3 AND 13 A/C UNITS	151-SC-6
X	P7	7⅛"x13⅛"	4'-9" STB'D	37'-4" A/B	FRAME # 146	BHD AT FRM #146	S.W. CONN'S TO № 4 A/C UNITS	154-SC-19
	P8	9⅛"	3'-8" PORT	45'-1 9/16" A/B	9" FWD FRM #104	FLIGHT & BOAT DECK	S.W. TO № 2,3 AND 13 A/C UNITS	151-SC-10
	P9	9⅛"	3'-8" STB'D	45'-1 9/16" A/B	9" FWD FRM #104	FLIGHT & BOAT DECK	S.W. FROM № 2,3 AND 13 A/C UNITS	153-SC-13
	P10	4⅜"	4'-5" PORT	53'-7 9/16" A/B	3½" FWD FRM #106	OFFICER'S DECK	S.W. TO № 13 A/C UNIT	157-SC-2
	P11	4⅜"	4'-5" PORT	53'-8" A/B	1'-2½" FWD FRM #106	OFFICER'S DECK	S.W. FROM № 13 A/C UNIT	158-SC-4
X	P12	7⅛"x13⅛"	14'-3" PORT	35'-6" A/B	FRAME #123	WATERTIGHT BHD	S.W. CONN'NS TO № 2,3 AND 13 A/C UNITS	154-SC-12
C X	P13	7⅛"x13⅛"	4'-9" PORT	36'-0" A/B	FRAME # 143	BHD AT FRM #143	S.W. CONN'NS TO №4 A/C UNIT	154-SC-17
	P14	6⅛"	24'-6" STBD	15'-6" A/B	FRAME #61	WATERTIGHT BHD	S.W. TO A/C UNIT № 6	161-SC-3
A X	P15	6⅛"x11⅛"	24'-6" STBD	17'-0" A/B	8½" FWD FRM #90	17'-0" FLAT	S.W. TO A/C UNIT № 6	161-SC-8
A	P16	7⅛"	20'-0" PORT	17'-0" A/B	8" FWD FRM #39	17'-0" FLAT	S.W. TO A/C UNIT № 5	164-SC-4
X	P17	7⅛"x13⅛"	10" PORT	24'-9" A/B	FRAME # 30	WATERTIGHT BHD	S.W. TO A/C UNIT № 5	164-SC-10
X	P18	7⅛"x13⅛"	10" PORT	27'-7 1/16" A/B	8" FWD FRM #18	MAIN DECK	S.W. TO A/C UNIT № 5	164-SC-13
X	P19	7⅛"x13⅛"	8" PORT	37'-7 1/16" A/B	8" FWD FRM #18	UPPER DECK	S.W. TO A/C UNIT № 5	164-SC-15

PENETRATION LIST

	REF	HOLE SIZE	CENTRE OF HOLE DIMENSIONS: ATHWARTSHIPS	HEIGHT A/B	LONGITUDINAL	STRUCTURE PENETRATED	LINE DESCRIPTION	PIPE №
X	P20	7⅛"	25'-0" PORT	17'-0" A/B	[illegible]	17'-0" FLAT	[illegible] A/C UNITS № 2 AND 3	151-SC-11
X	P22	5⅛"	17'-0" STBD	17'-0" A/B	[illegible]	17'-0" FLAT	[illegible] CARGO REFRIG UNIT	169-SC-4
X	P23	5⅛"	17'-0" PORT	17'-0" A/B	[illegible]	17'-0" FLAT	[illegible] DOMESTIC REFRIG UNIT	171-SC-5

PENETRATION LIST

REF.	HOLE SIZE	CENTRE OF HOLE DIMENSIONS: ATHWARTSHIPS	HEIGHT A/B	LONGITUDINAL	STRUCTURE PENETRATED	LINE DESCRIPTION	PIPE №

PENETRATIONS MARKED THUS "X" DENOTES — CENTRE OF HOLE DIMENSIONS — HOLE SIZE

NOTE: SEE ARRANGEMENT FOR ORIENTATION OF HOLES

ALTERATIONS

REV.	ZONE	DESCRIPTION	DATE	APP.	OWNER DATE	OWNER APP.
A		SEE SHT #1	2/2/82	[illegible]		
B		SEE SHT #2	17/2/82			
C		PENETRATION 13 WAS 36'-2" A/B SEE SHT 1	24/2/82			
D		SEE SHT 1 AND 2	25/2/82			

REFERENCES

No.	TITLE	DRG. No.
①	SEA-BOX / SEA BAY ARRANGEMENT	68-2030-3
②	OVERBOARD DISCHARGE ARRG'T	68-2000-4

RESERVATIONS

PRINT ISSUE

GROUP	REVISIONS O	0	A	B	C
OWNERS					
LLOYDS					
A. B. S.					
C. S. I.					
DWG. OFFICE (STEEL)					
DWG. OFFICE (OUTFIT)					
DWG. OFFICE (ENG.)					
PROD. MGR.					
ASST. PROD. MGR.					
STEEL SUPT.				1	
OUTFIT SUPT.				1	
ENG. SUPT.				1	
PROD. PLANNING	1(P)		1	1	
LOFT					
MACHINE SHOP					
ENG. FITTER				1	
CARPENTER					
PAINTER					
RIGGER					
PREFAB					
WELDER					
STEEL ERECTION					
PIPEFITTER			4	3	2
ELECT. SUB CONT.					
SHT. MET. SUB CONT.					
PIPE SUB CONT.					
CANAL E (P.W.D.D.)					
INSUL. SUB CONT.					
QUALITY CONTROL					
PIPE SUPT.	1(P)		1	1	
M LAWRIE	1(P)		1	1	
B. JOHNSON		2		1	
R. GILBERT		1		2	
B. KIRKWOOD	3	1		1	
TOTAL	6	4	7	14	2
DATE OF ISSUE	11/1/82	19/1/82	3/2/82	22/2/82	4/3/82

APPROVALS

OWNER	LLOYDS	A.B.S.	C.S.I.
16 Feb 82			

DRG. No. 68-2030-8 ALT. D

REFRIGERATION & AIR CONDITION[ING] SEA-WATER CIRCULATING ARRG['T]

SHEET № 3 OF 3

SCALE: NONE A/C #: 2030

HULL No. 68

DRAWN BY: H NEUFELD DATE: 16

APPROVED BY: G. Perry

PORT WELLER [DRY DOCKS]
A DIVISION OF UPPER LA[KES] ...
ST. CATHARINES ONTARI[O]

PORT WELLER DRY DOCKS
AS FITTED DRAWING

PIPE AND PENETRATION LISTS