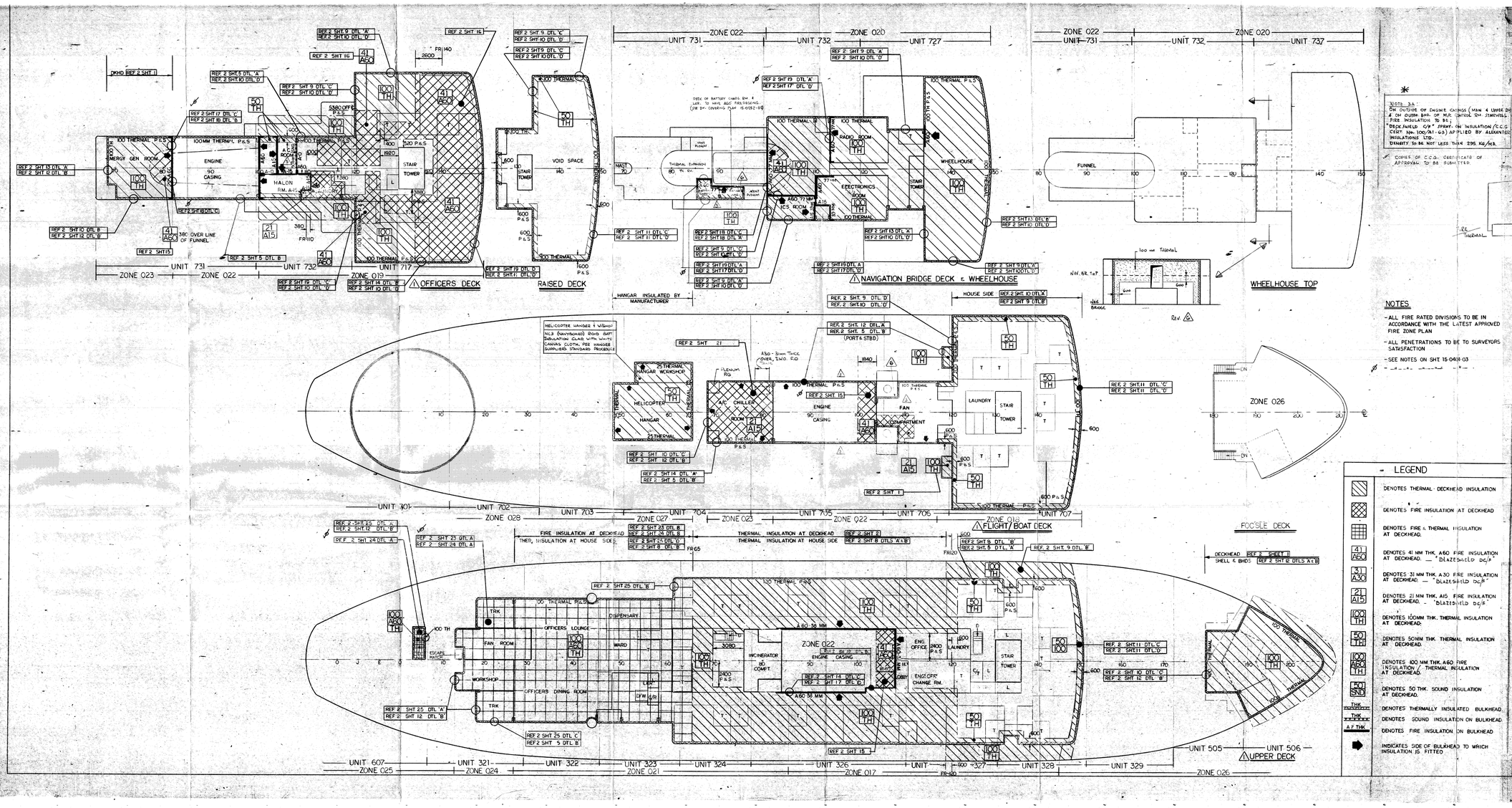


NOTES

- ALL FIRE RATED DIVISIONS TO BE IN ACCORDANCE WITH THE LATEST APPROVED FIRE ZONE PLAN
- ALL PENETRATIONS TO BE TO SURVEYORS SATISFACTION
- SEE NOTES ON SHT 15-0401-03

LEGEND

	DENOTES THERMAL DECKHEAD INSULATION
	DENOTES FIRE INSULATION AT DECKHEAD
	DENOTES FIRE & THERMAL INSULATION AT DECKHEAD.
41 A60	DENOTES 41 MM THK. A60 FIRE INSULATION AT DECKHEAD. — "BLAZESHIELD DC/F"
31 A30	DENOTES 31 MM THK. A30 FIRE INSULATION AT DECKHEAD. — "BLAZESHIELD DC/F"
21 A15	DENOTES 21 MM THK. A15 FIRE INSULATION AT DECKHEAD. - "BLAZESHIELD DC/F"
100 TH	DENOTES 100MM THK. THERMAL INSULATION AT DECKHEAD.
50 TH	DENOTES 50MM THK. THERMAL INSULATION AT DECKHEAD.
100 A60 TH	DENOTES 100 MM THK. A60 FIRE INSULATION & THERMAL INSULATION AT DECKHEAD.
50 SND	DENOTES 50 THK. SOUND INSULATION AT DECKHEAD.
THK	DENOTES THERMALLY INSULATED BULKHEAD
THK	DENOTES SOUND INSULATION ON BULKHEAD
A.F. THK	DENOTES FIRE INSULATION ON BULKHEAD
	INDICATES SIDE OF BULKHEAD TO WHICH INSULATION IS FITTED

GENERAL NOTES

1. Prior to application of insulation, all steelwork to be cleaned and painted. Damaged areas to be restored and any oil spots cleaned.
2. All materials are to be incombustible and comply with Canadian Coast Guard Ship Safety Branch Regulations - Hull Construction Part 4 for fire protection.

FIRE INSULATION

3. The fire insulation is to be Cafco BLAZESHIELD DC/F Insulation (C.C.G. Cert. no. 100/A1-60) applied by Alexander Insulation of Vancouver, B.C. DENSITY to be NOT LESS THAN 288 KG/M3.
4. Fire insulation is to be applied not less than the thicknesses shown on this drawing and conforming with C.C.G.S.S.B. requirements (see ref. no. 1).
5. Insulation to be secured by clips fitted over weld-on pins at 300mm centres. MAX.
6. Insulation to be tamped, smoothed prior to installation of sheathing.

THERMAL INSULATION

7. Insulation to be Cafco BLAZESHIELD DC/F SPRAY ON THERMAL (CCG Cert. no. 100-F1-120) Applied as per Note 3.
8. Insulation in way of stiffeners beams, girders etc. to be 50mm thick.
9. Insulation to be secured by clips and dome caps fitted to weld-on pins at 300mm centres. (see ref. no. 2)
10. Insulation under flight dk. (u) Landing area to be Cafco BLAZESHIELD DC/F i.e. A-60 Fire Class (density 240 kg/m³)
11. Insulation of 50mm thick to be fitted for 600mm from weather surfaces to prevent frosting on all abutting steelwork.

SOUND INSULATION

12. Where Indicated, Some Cargo "BLAZESHIELD DC/F" Insulation Sheathed with Perforated Alum. Sheet

SHIPA INSULATION

13. See ref. no. 2

FLOATING FLOOR (ref. no. 2)

14. Navilite II (C.C.G. cert. no. 100/E1-44)

Class A60 floating floor system to be fitted on main deck. Remaining areas of main deck requiring Class B type insulation to be protected on underside with Cafco BLAZESHIELD DC/F spray-on insulation. Jam side 1 to affire integrity of floating floor to be maintained by a 300mm overlap of Cafco BLAZESHIELD applied to bulkheads in accordance with C.C.G.S.S.B. requirements. See ref. 2 for details

15. Anti Condensation Treatment to be applied in accordance with specification 13.41 Paint Schedule. (ref. no. 4)
   1 coat Interspace CP4220 or equivalent
   1 coat Interlac 5.0100 anti-condensation paint or equivalent.
16. Perforated aluminum sheathing to be fitted over insulation in following areas:
   TANK TOP Paint Mixing Rm., Aux. Mach. Rm., Main Gen. Rm.
   LOWER DECK Compressor Rm., Mach. Cont. Rm., Heating Rm., Machine Gen. Rm., Engs. Workshop, Bunkers Rm., Elect. Workshop
   MAIN DECK Steering Gear, Incinerator Room, Stores, Rope Store, Cargo Hold, Central Stores, Carpenters Workshop, Bunkers A/C Compr.
   UPPER DECK Cargo Hold Trunks, Cargo Hold Air Trk, Shore Supply Room, Fan Room, Work Shop, Incinerator Compartment, Bosun Stores
   FLIGHT BOAT DECK A/C Chiller Room, All deck lockers, Engine Casing, Fan Compartment
   OFFICERS DECK Emergency Gen. Room, Deck Locker, A/C Room, Engine Casing, Battery Locker
17. Galvanized sheet metal sheathing to be fitted over insulation in the following areas:
   UPPER DECK Underside of overhang of Flight/Boat deck
   OFFICERS DECK Underside of overhang of Nav. Br. deck

✓ INSULATION IN THESE COMPARTMENTS IS UTILIZED FOR ACOUSTIC PURPOSES IN ADDITION TO THE INTENDED PURPOSE OF FIRE OR THERMAL

"REVISED" DRAWING

PLEASE DESTROY PREVIOUS ISSUE

NOTE 3A
ON OUTSIDE OF ENGINE CASINGS (MAIN & UPPER DK) & ON OUTER BHD. OF N.A. CONTROL RM. STARVHELL. FIRE INSULATION TO BE:
"BLAZESHIELD C/F" SPRAY ON INSULATION (C.C.G. CERT. NO. 100/A1-60) APPLIED BY ALEXANDER INSULATIONS LTD.
DENSITY to be NOT LESS THAN 296 KG/M3.

✓ COPIES OF C.C.G. CERTIFICATE OF APPROVAL TO BE SUBMITTED.

DISTRIBUTION

DEPARTMENT	QTY.	DEPARTMENT	QTY.	DEPARTMENT	QTY.
Owners	4	Operations Manager		Shipyards	1
Electrician	1	Nav. Comm. Supt.	1	Rigger	
Shipyards Inspector		Outfit Supt.		Joiner	1
		Paper Supt.		Foreman	
		Steel Supt.		Machine Shop	
P. Engineer	2				
Asst. Engineer	2				
Machinists	1	Lab.		Sheet Metal	1
Electrical S.O.	1	Foreman		Electrical Shop	
Welding Engineer		Welder		Engine Foreman	

No.	REVISION	BY	DATE
1.	DRAWING UPDATED TO LATEST ARRANGEMENT	R.D.O.	SEPT 86
2.	SOUND INSULATION ADDED	R.D.O.	FEB 86
3.	SURVEYS SUPT. WEL. ROOD DK. ADDED. BOAT DK. - RAN DK. MODIFIED - BAIDEC CHECK & LIVE. ADDED NAV. BRIDGE	HDB	MAY/86
4.	INSULATION & THICKNESSES REVISED THROUGHOUT TO SUIT UPDATED DRAWING (TYPE "C" INSULATION NO LONGER ACCEPTABLE TO C.C.G.S.S.B.	R.D.O.	OCT 1986
5	DECKHEAD SOUND INSULATION IN OFFICERS DK. A.C. ROOM MOVED TO PORT SIDE.	R.D.O.	NOV 86
6	THERMAL INSULATION EXTENDED INTO VENT PLENUMS ON BOAT DK. AND NAV. BR. DECK. SECOND ADDED AND RE 124½ ART OF WHEELHOUSE - S. CLEAT AREA AT VENT AT STEPPED DECK.	R.D.O.	DEC 2 86
7	INSULATION IN HANGAR AND WINDOW REVISED TO REFLECT MANUFACTURER STANDARD PROCEDURE	R.D.O.	MAR 7 87

DIVISION VANCOUVER | HULL NO. 110 | JOB No.

OWNERS CANADIAN COAST GUARD

App or/Appr'n	LLOYD'S	OWNERS	COGSSB
Date	MAY 27/85	JUNE 10/85	DEC 2/85
	SEPT. 12/86	OCT. 22/86	SEPT 30/86

DRAWN BRUCE ROYLE | CHECKED | APPROVED

Versatile Pacific Shipyards Limited
P.O. Box 5000, North Vancouver, British Columbia Canada V7J 3J4
Marine Division
British Columbia Vancouver

Canadian Coast Guard — Garde côtière canadienne

Vessel Name: TYPE 1200 ICEBREAKER

Dwg. File Data Base

MAY 07 1987

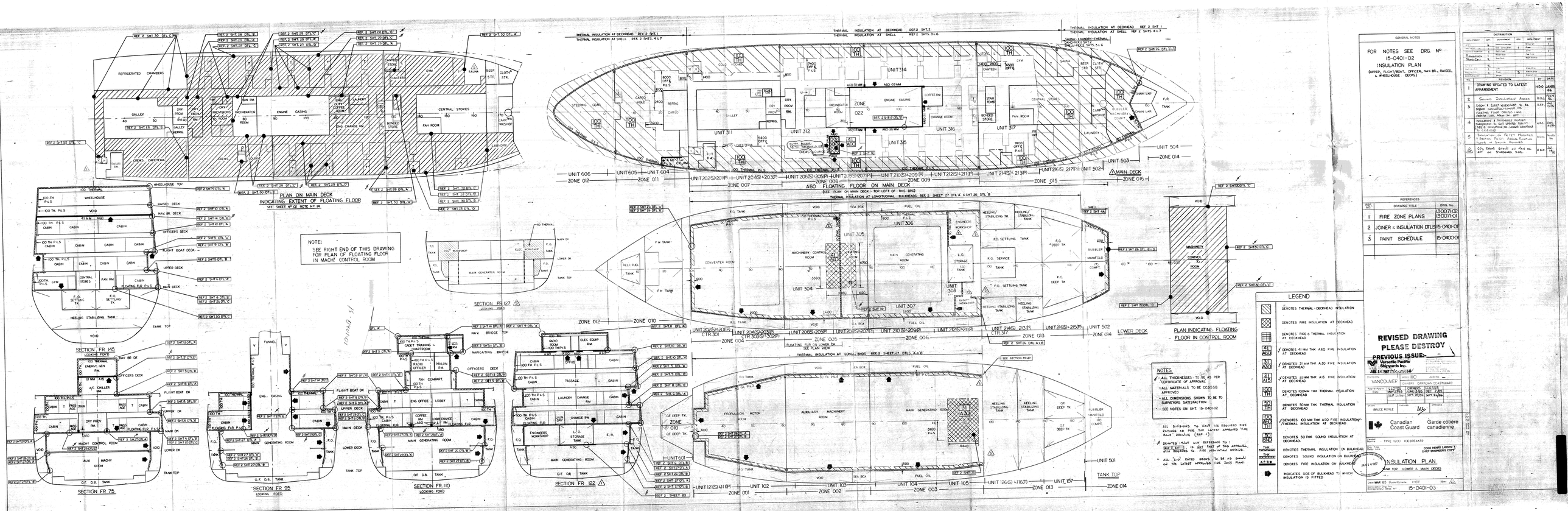
INSULATION PLAN

UPPER, FLIGHT/BOAT, OFFICERS, NAV.BR., RAISED DECKS & WHEELHOUSE

COS HENRY LARSEN
CHIEF ENGINEER'S COPY

Date FEB 85 | Scale/Echelle 1-100 | Rev. 7

Contractor Dwg. No. / Entrepreneur Dessin N° 15-0401-02


PLAN ON MAIN DECK
INDICATING EXTENT OF FLOATING FLOOR
SEE SHEET Nº OF NOTE Nº 14
NOTE:
SEE RIGHT END OF THIS DRAWING FOR PLAN OF FLOATING FLOOR IN MACH. CONTROL ROOM
A60 FLOATING FLOOR ON MAIN DECK
SEE PLAN ON MAIN DECK - TOP LEFT OF THIS DRG.
THERMAL INSULATION AT LONGITUDINAL BULKHEADS REF 2 SHEET 27 DTL 'K' & SHT 26 DTL 'B'
PLAN INDICATING FLOATING FLOOR IN CONTROL ROOM
LOWER DECK
SECTION FR 145
SECTION FR 75
SECTION FR 95
SECTION FR 110
SECTION FR 122
SECTION FR 127
LOOKING FORD
GENERAL NOTES
FOR NOTES SEE DRG Nº 15-0401-02
INSULATION PLAN
(UPPER, FLIGHT/BOAT, OFFICER, NAV. BR., RAISED, & WHEELHOUSE DECKS)
DISTRIBUTION
REVISION
DRAWING UPDATED TO LATEST ARRANGEMENT
REFERENCES
DRAWING TITLE
FIRE ZONE PLANS
JOINER & INSULATION DTLS
PAINT SCHEDULE
REVISED DRAWING
PLEASE DESTROY
PREVIOUS ISSUE:-
Versatile Pacific Shipyards Inc.
LEGEND
DENOTES THERMAL - DECKHEAD INSULATION
DENOTES FIRE INSULATION AT DECKHEAD
DENOTES FIRE & THERMAL INSULATION AT DECKHEAD
DENOTES 41 MM THK A60 FIRE INSULATION AT DECKHEAD
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DENOTES 50MM THK THERMAL INSULATION AT DECKHEAD
DENOTES 100 MM THK A60 FIRE INSULATION/ THERMAL INSULATION AT DECKHEAD
DENOTES 50 THK SOUND INSULATION AT DECKHEAD
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INDICATES SIDE OF BULKHEAD TO WHICH INSULATION IS FITTED
NOTES
ALL DIMENSIONS TO WHICH THE REQUIRED FIRE ENTIRELY AS PER THE LATEST APPROVED FIRE ZONE DRAWING (REF 1)
DENOTES THAT ANY REFERENCE TO REF 2 SHT 1 IS NOT PART OF THIS APPROVAL BUT REFERS TO FIRE INSULATION DETAILS
ALL 'A.O' DATED DRAWS TO BE AS DETAILED ON THE LATEST APPROVED FIRE ZONE PLANS
Canadian Coast Guard
Garde côtière canadienne
TYPE 1200 ICEBREAKER
INSULATION PLAN
MAIN DECK
LOWER & MAIN DECKS
15-0401-03