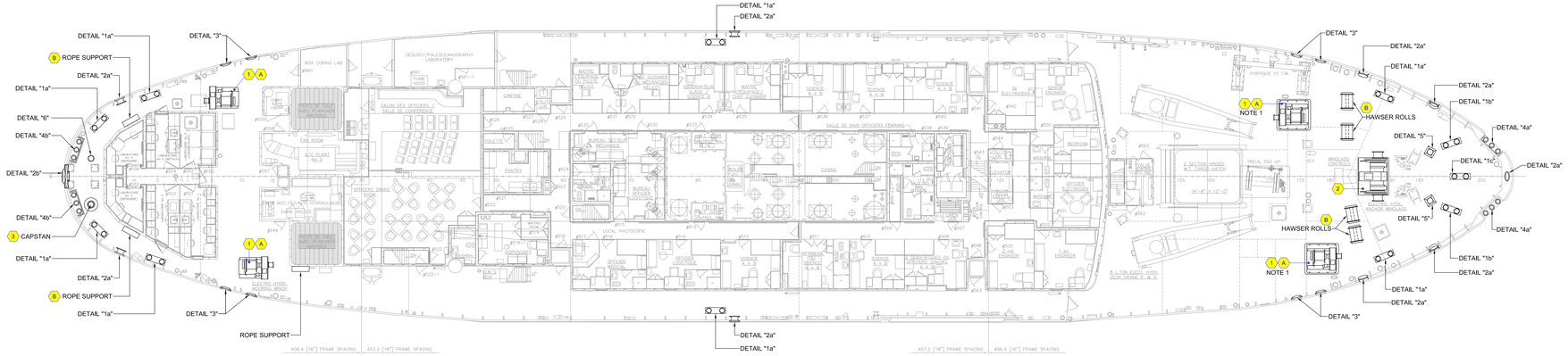

UPPER DECK

SCALE : 3/32" = 1'-0"

COLOR CODE

BLUE: DIMENSION

BLACK: MOORING EQUIPMENT ITEM

GREY: REFERENCE ITEM

GENERAL NOTE

- IT IS ASSUMED THAT SUPPORTING STRUCTURE IN WAY OF BOLLARDS, CHOCKS AND ROLLERS ARE APPROPRIATE WITH SWL GREATER THAN MOORING EQUIPMENT.

NOTE

1- WINCHES MAY BE REMOVED ACCORDING TO THE PRECISE VESSEL MISSION.

PRINCIPAL PARTICULARS

OFFICIAL NUMBER	383347
PORT OF REGISTRY	OTTAWA
OVERALL LENGTH	322'-7 1/4"
LENGTH BETWEEN PERPENDICULARS	288'-6"
MOULDED BREADTH	64'-0"
MOULDED DEPTH	35'-6"
CREW MEMBERS	82
DISPLACEMENT	81991 t
CLASS	RESEARCH ICEBREAKER ARCTIC CLASS 3

WINCHES

1 MOORING WINCHES

PARTICULARS

DRUM DIAMETER	24"
DRUM WIDTH	27"
DRUM CAPACITY OF 1" DIAMETER WIRE ROPE	600'-0"
NUMBER OF LAYERS ON DRUM	4
RATED ROPE PULL	11,200 lbs
RATED ROPE SPEED	70 F.P.M.
MAXIMUM ROPE SPEED	200 F.P.M.
WARPING HEAD DIAMETER	18"
RATED PULL AT WARPING HEAD	15,000 lbs
RATED SPEED AT WARPING HEAD	52 F.P.M.

2 ANCHOR WINDLASS

PARTICULARS

SIZE OF STUD LINK CHAIN CABLE	2"
NUMBER OF WILDCAT	2
DIAMETER OF WARPING DRUMS	24"
NUMBER OF WARPING DRUMS	2
RATED PULL AT EACH WILDCAT	50,000 lbs
RATED PULL 2 WILDCATS COMBINED	52,800 lbs
RATED SPEED OF WILDCAT	45 F.P.M.
STALL PULL 2 WILDCATS COMBINED	68,000 lbs
AUTOMATIC BRAKE HOLDING CAPACITY	58,600 lbs
2 WILDCATS COMBINED	45,322 lbs
MANUAL BRAKE HOLDING CAPACITY	13,000 lbs
AT EACH WILCAT	48 F.P.M.
RATED PULL AT WARPING DRUM	67,000 lbs

3 CAPSTAN

PARTICULARS

PRODUCT NAME	BURRARD IRON WORK LTD.
MODEL	CE4 VERTICAL CAPSTAN
CAPSTAN SERIAL	HEAVY DUTY 230307
RATING	8,000 lbs AT 100 fpm
WARPING DRUM DIAMETER	14"
PEDESTAL DIAMETER	20"

ROPES

SYMBOL	PARTICULARS	
A x4	CERTIFICATE	SAMSON ROPE TECHNOLOGIES
	PRODUCT NAME	FORCE 8
	PRODUCT TYPE	8-STRAND, SQUARE BRAID, WITH EYE EACH END
	SIZE / LENGTH / ACCESSORIES	1 1/8" DIA. x 450ft
	APPROXIMATE WEIGHT PER 100 ft	25.82 lbs
	APPROXIMATE AVERAGE STRENGTH	105,209 lbs
	MINIMUM STRENGTH	94,688 lbs
	TEST METHOD	SRT TEST METHOD 100-01
B x4	CERTIFICATE	SAMSON ROPE TECHNOLOGIES
	PRODUCT NAME	PROTON STM
	PRODUCT TYPE	8-STRAND
	SIZE / LENGTH / ACCESSORIES	1 1/2" DIA. x 450ft WITH EYES EACH END
	APPROXIMATE WEIGHT PER 100 ft	55.4 lbs
	APPROXIMATE AVERAGE STRENGTH	139,000 lbs
	MINIMUM STRENGTH	125,000 lbs
	TEST METHOD	SRT TEST METHOD 100-02

PLAN VIEW

ELEVATION

DETAIL "1a"

DOUBLE BOLLARDS
AT FRAME : 82, SWL : 28 150 lbs
AT FRAMES : N, E, 188, SWL : 18 500 lbs

DETAIL "1b"

DOUBLE BOLLARDS WITH PEDESTAL
SWL : 15 300 lbs

DETAIL "1c"

DOUBLE BOLLARDS WITH PEDESTAL
SWL : 15 300 lbs

DETAIL "2a"

CHOCK
SWL : 50 700 lbs

DETAIL "2b"

CHOCK
SWL : 50 700 lbs

DETAIL "3"

ROTATING FAIRLEAD
SWL : 48 000 lbs

DETAIL "4a"

TRIPLE ROLLER
SWL : 30 500 lbs

DETAIL "4b"

TRIPLE ROLLER
SWL : 17 900 lbs

DETAIL "5"

PEDESTAL FOR ROLLER
SWL : 17 900 lbs

DETAIL "6"

WARPING ROLLER
SWL : 17 900 lbs

REFERENCE(S)

#	NO. DESSIN / DRAWING NO.	TITRE / TITLE	PAR / BY DATE
1	222-04-101106 rev.C	GENERAL ARRANGEMENT	BURRARD DRY DOCK CO.LTD MARCH 2005

NO	NATURE	DATE	PAR/BY

REVISION(S)

APPROBATION(S)/APPROVAL(S)

PAR/BY	DATE
POCGCC / FOCCCG	2009-05-20

RÉALISÉ PAR/MADE BY

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POUR/FOR

Pêches et Océans Canada / Fisheries and Oceans Canada

Garde côtière canadienne / Canadian Coast Guard

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ECHELLE / SCALE 1 : 1

0 20mm 40mm 60mm 80mm 100mm

ATTENTION

AYEZ AUX PERSONNES DALTONIENNES, VOIR EXEMPLE CI-DESSOUS POUR LES COULEURS SUR CE DESSIN.
NOTICE TO COLOR-BLIND PEOPLE, SEE EXAMPLE BELOW FOR THE COLORS USED ON THIS DRAWING.

VERT / GREEN	ROUGE / RED	MAGENTA	
BLEU / BLUE	JAUNE / YELLOW	ORANGE	
CYAN	NOIR / BLACK	GRIS / GRAY	

PRÉPARÉ PAR/PREPARED BY	CODE
P.E. BARBEAU	NT-2281-09-001A.DWG
CHARGÉ DE PROJET/PROJECT MANAGER	TERMINÉ EN/COMPLETED IN
M.P.B.	MAY 2009
DESSINÉ PAR/DRAWN BY	COPIE ÉMISE LE/PRINTED ON
T.E.B., M.L.	2009-05-20
VÉRIFIÉ PAR/VERIFIED BY	ÉCHELLE/SCALE
P.E.B.	3/8" = 1'-0"
APPROUVÉ PAR/APPROVED BY	OR AS SHOWN

TITRE/TITLE

MOORING EQUIPMENT

NOM DU NAVIRE/SHIP NAME

N.G.C.C. "AMUNDSEN"

NUMÉRO DU DESSIN/DRAWING NUMBER	FEUILLE/SHEET	REV.
2 2 8 1 - 0 9 - 0 0 1	1/1	-

FORM. NT-2rv48