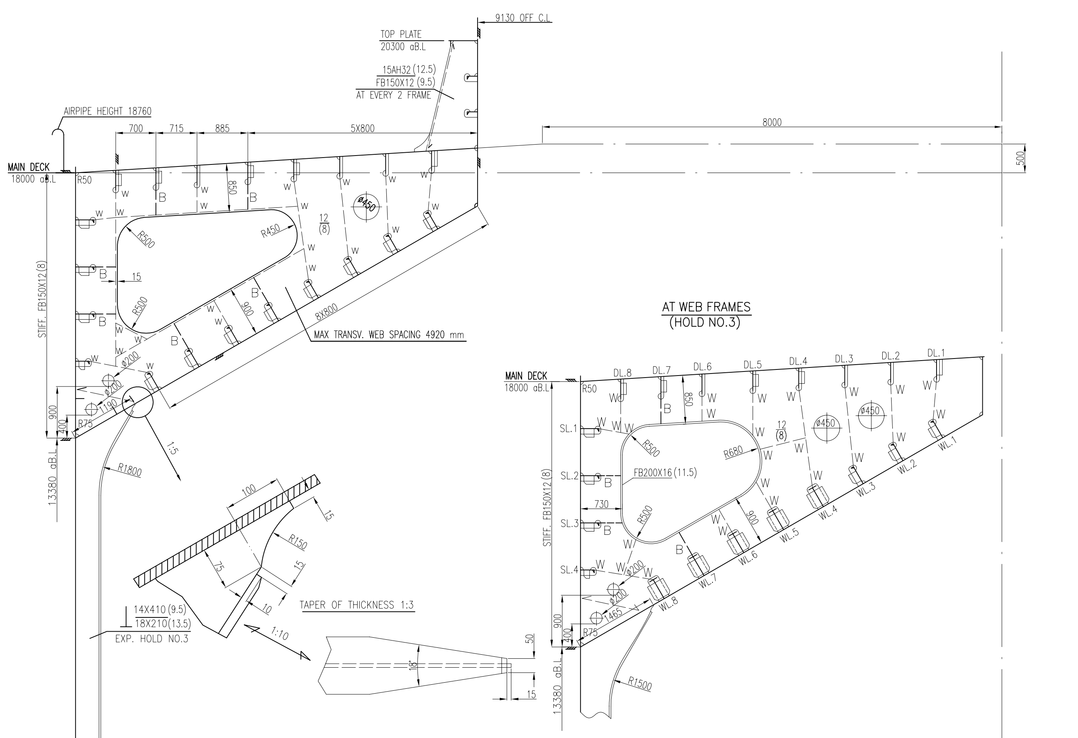
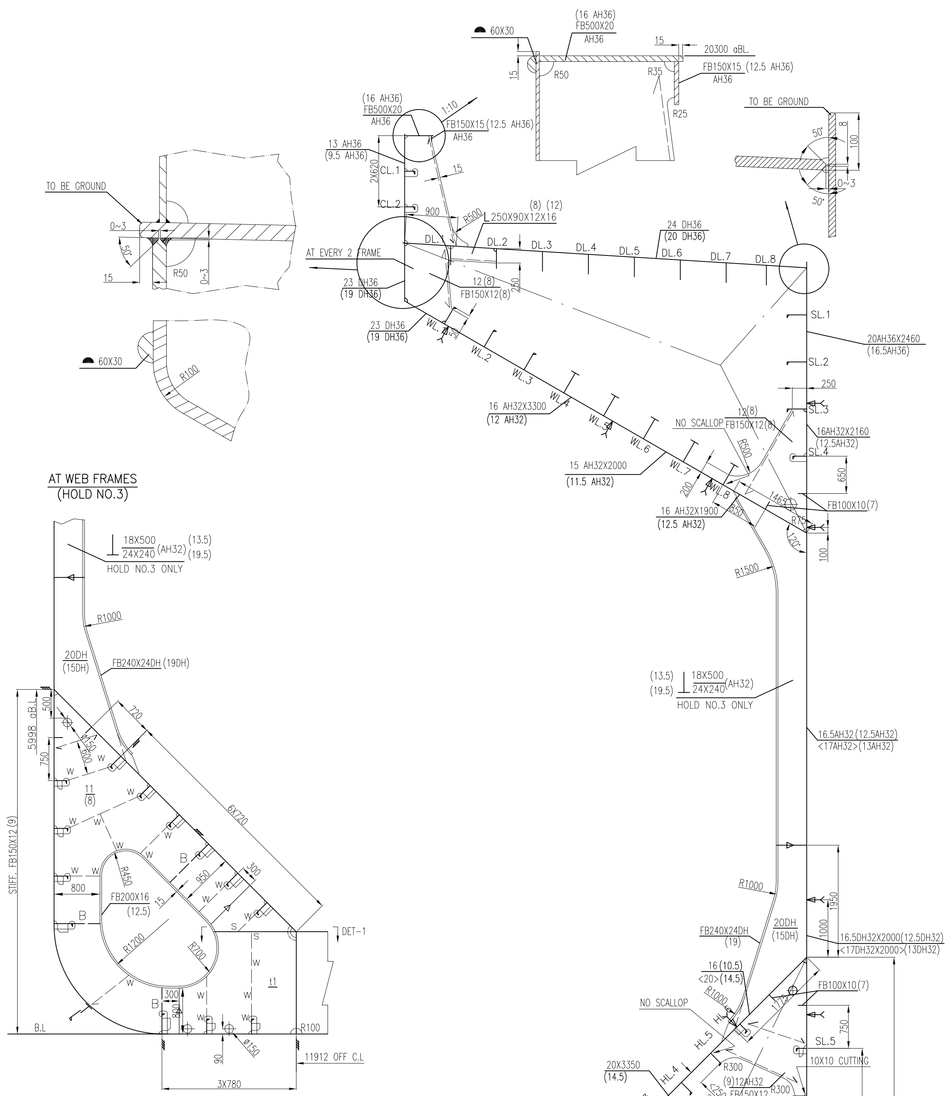
VYF433G1-051-01





LONGITUDINAL SCANTLING

NOTE: THE RENEWAL THICKNESS OF LONGITUDINALS WOULD BE INDICATED ON DETAIL STRUCTURE DRAWINGS

BOTTOM	BL.0	L8X300/10X150 AH32	HATCH COAMING	CL.1,2	HP180X9 AH32
	BL.1	FB150X12 AH32			
	BL.3~14	HP240X12 AH32	UPPER BOX	DL.1~8	FB340X25 AH36
	BL.16~18	HP260X11 AH32			
INNER BOTTOM	IL.0,1	FB180X12 (AH32)			
	IL.3~10	[HP260X11 AH32] <HP300X11 AH32>	WING	WL.1~3	[HP320X12AH36] <HP340X14 AH36>
	IL.12~14	[HP260X11 AH32] <HP280X12 AH32>		WL.4~8	[HP320X12 AH36] <10X380/15X150 AH36>
SIDE SHELL	SL.1~3	HP320X12 AH36	HOPPER	HL.1~2	[HP220X10 AH32] <HP260X10 AH32>
	SL.4	HP240X12 AH36			
	SL.5	HP180X10 AH32		HL.3~5	[HP220X10 AH32] <HP260X11 AH32>
	SL.6~8	HP240X10 AH32		HL.6	HP180X10 AH32

REMARKS

[ ]---No.2 & No.4 CARGO HOLD

<>---No.3 CARGO HOLD ONLY

The floor plate t* to be decided by FEM analysis

F.P: FULL PENETRATION WELDING

NOTES:

ALL SCANTLINGS MARKED "AH" & "DH" TO BE AH32/DH32.

ALL SCANTLINGS WITHOUT STATED TO BE MILD STEEL.

ALL SCANTLINGS ARE SUBJECT TO CLASS APPROVAL.

FRAME SPACE IN WAY OF CARGO HOLD IS 820MM.

PLATE THICKNESS WITH "( )" ---RENEWAL THICKNESS OF PLATE.

PLATE THICKNESS WITHOUT "( )" ---BUILT THICKNESS OF PLATE.

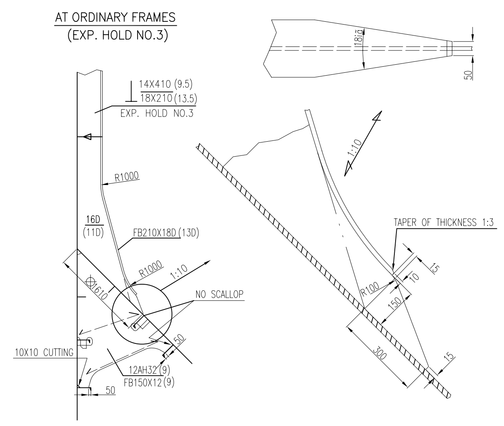
PRINCIPAL PARTICULARS

LENGTH SCANTLING	182.52 m
LENGTH B.P.	185.00m
BREADTH	32.26 m
DEPTH	18.0 m
SCANTLING DRAFT (MOULD)	12.8 m
CAMBER	0.50 m
Cb(MOULD)	0.876
SERVICE SPEED	14.2 Kn
LOAD ON INNER BOTTOM (MAX)	
IN NO.1,3&5 HOLDS	25 t/m^2
IN NO.2&4 HOLDS	20 t/m^2
DESIGN MAX SWBM:	1780000 KN*m(Hogging Intact)
	-1220000 KN*m(Sagging Intact)
	2260000 KN*m(Hogging Flooding)
	-2400000 KN*m(Sagging Flooding)

CLASS

GL✠100A5, Bulk carrier, BC-A, CSR, DBC, IW, BWM, ESP,
Holds 2, 4 may be empty, GRAB(20t)

STEEL COIL LOADING : 25 tonnes 2 TIERS. L=1.6m
6 DUNNAGE SUPPORTING ONE STEEL COIL

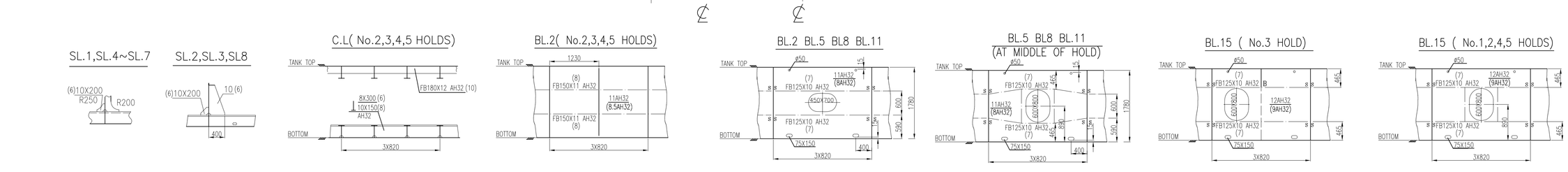


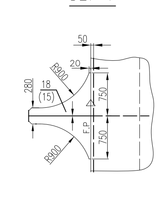
FLOOR SCANTLING (NO.3 CARGO HOLD)

FLOOR PLATE		FR112	FR115	FR118	FR121	FR124	FR127	FR130	FR133	FR136	FR139	FR142	FR145
BOTTOM FLOOR	t1	14	14	14	16	16	16	16	16	14	14	–	–
		(11)	(11)	(11)	(13)	(13)	(13)	(13)	(13)	(11)	(11)	–	–
	t2	13AH32	14AH32	17AH32	19AH32	20AH32	20AH32	19AH32	17AH32	14AH32	13AH32	18	18
		(10AH32)	(11AH32)	(14AH32)	(16AH32)	(17AH32)	(17AH32)	(16AH32)	(14AH32)	(11AH32)	(10AH32)	(15)	(15)
	t3	12	12AH32	14AH32	15AH32	16AH32	16AH32	15AH32	14AH32	12AH32	12	18	18
		(9)	(9AH32)	(11AH32)	(12AH32)	(13AH32)	(13AH32)	(12AH32)	(11AH32)	(9AH32)	(9)	(15)	(15)
	t4	12	12	13AH32	14AH32	14AH32	14AH32	14AH32	13AH32	12	12	18	18
		(9)	(9)	(10AH32)	(11AH32)	(11AH32)	(11AH32)	(11AH32)	(10AH32)	(9)	(9)	(15)	(15)
	t5	12	12	12	12	12	12	12	12	12	12	22	22
		(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(19)	(19)

FLOOR SCANTLING (NO.2,4 CARGO HOLD)

FLOOR PLATE		FR74 FR148	FR77 FR151	FR80 FR154	FR83 FR157	FR86 FR160	FR89 FR163	FR92 FR166	FR95 FR169	FR98 FR172	FR101 FR175	FR103 FR177	FR106 FR180	FR109 FR183
BOTTOM FLOOR	t1	14	14	14	14	16	16	16	16	14	14	–	–	–
		(11)	(11)	(11)	(13)	(13)	(13)	(13)	(13)	(11)	(11)	–	–	–
	t2	12AH32	13AH32	15AH32	16AH32	17AH32	17AH32	17AH32	16AH32	15AH32	13AH32	12AH32	18	18
		(9AH32)	(10AH32)	(12AH32)	(14AH32)	(14AH32)	(14AH32)	(14AH32)	(13AH32)	(12AH32)	(10AH32)	(9AH32)	(15)	(15)
	t3	12	12AH32	13AH32	15AH32	15AH32	15AH32	15AH32	15AH32	13AH32	12AH32	12	18	18
		(9)	(9AH32)	(10AH32)	(12AH32)	(12AH32)	(12AH32)	(12AH32)	(12AH32)	(10AH32)	(9AH32)	(9)	(15)	(15)
	t4	12	12	13	13AH32	14AH32	14AH32	14AH32	13AH32	13	12	12	18	18
		(9)	(9)	(10)	(10AH32)	(11AH32)	(11AH32)	(11AH32)	(10AH32)	(10)	(9)	(9)	(15)	(15)
	t5	12	12	12	12	12	12	12	12	12	12	12	18/22	18/22
		(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(15/19)	(15/19)





				570000DWT BULK CARRIER 57000吨 散 货 船	FINAL DESIGN 完工设计 VYF433G1-051-01
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