

GENERAL NOTES

- ALL MAJOR VIEWS ARE OF THE STBD SIDE LOOKING FORWARD UNLESS INDICATED OTHERWISE.
- BOTH SIDES ARE SYMMETRICAL UNLESS OTHERWISE NOTED.
- ALL STEEL IS MILD STEEL EXCEPT WHERE MARKED. STEEL MARKED [12] (FOR EXAMPLE) IS H36 STRENGTH (MIN Y.S. 355 N/MM²).
- LOCATION OF SEAM AND BUTT LINES ARE NOT SHOWN FOR DECK PLATES AND ARE APPROXIMATE FOR SHELL PLATE.
- STIFFENER END CONNECTIONS:
 - NO MARK: WELDED CONNECTION
 - S: SNIPED
 - B: BRACKET TYPE CONNECTION
- DESIGN STILL WATER BENDING MOMENT HOGGING: 71,606 MT-M
- TYPICAL FRAME SPACING IS 750mm. TYPICAL & MAXIMUM WEB FRAME SPACING IS 2250mm; WEB FRAME SPACING REDUCED TO 1500mm IN A FEW LOCATIONS.
- PROVIDE RELIEF CUTS AS SHOWN IN THE TABLE BELOW. IF NONE IS SHOWN ON THE DETAIL, IT IS ASSUMED TO HAVE THE 10x10 CORNER SNIPE AND IS TO BE FILLED WITH WELD. SCALLOPS SHALL HAVE RADII AS SHOWN IN THE TABLE BELOW UNLESS NOTED OTHERWISE.

ABBREVIATIONS

ABL _____ ABOVE BASELINE	IWO _____ IN WAY OF
ABV _____ ABOVE	LONG'L _____ LONGITUDINAL
BCD _____ BOLT CIRCLE Ø	MN _____ MAIN
BHD _____ BULKHEAD	MIN _____ MINIMUM
BKT _____ BRACKET	(N) _____ NEW
CL _____ CENTERLINE	OPP _____ OPPOSITE
CLR _____ CLEAR	OUTBD _____ OUTBOARD
CMG _____ COAMING	PEN _____ PENETRATION
CTR _____ CENTER	PLT _____ PLATE
DBL _____ DOUBLE	PLTG _____ PLATING
DET _____ DETAIL	REF _____ REFERENCE
DK _____ DECK	REQD _____ REQUIRED
(E) _____ EXISTING	RHS _____ RECTANGULAR HOLLOW SECTION
FB _____ FLAT BAR	(S) _____ STARBOARD
FR _____ FRAME	SHS _____ SQUARE HOLLOW SECTION
FWD _____ FORWARD	STBD _____ STARBOARD
INBD _____ INBOARD	SIM _____ SIMILAR
	TYP _____ TYPICAL
	UNO _____ UNLESS NOTED OTHERWISE
	W/ _____ WITH
	WT _____ WATERTIGHT

PRINCIPAL CHARACTERISTICS

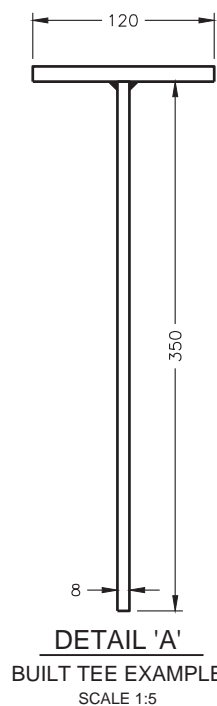
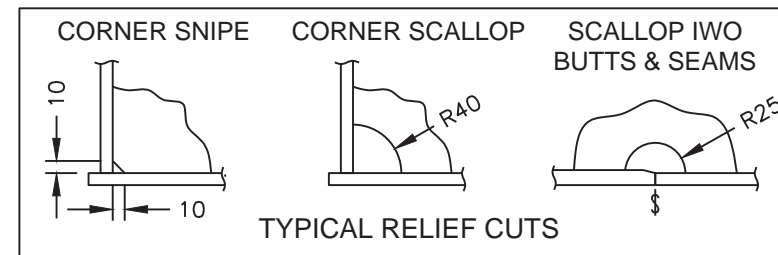
LENGTH OVERALL _____	159.74 m (524'-5")
LENGTH BETWEEN PERPENDICULARS _____	154.00 m (505'-3")
BEAM _____	27.0 m (88'-7")
DEPTH (MAIN DECK AT SIDE) _____	16.8 m (55'-1 1/2")
DESIGN DRAFT _____	6.50 m (21'-4")
LOAD LINE DRAFT _____	7.25 m (23'-9")
SCANTLING DRAFT _____	7.50 m (24'-7")
PROPULSION _____	15,700 kW DIESEL ELECTRIC
DESIGN SPEED AT LOAD LINE DRAFT _____	18 KNOTS, 15% SEA MARGIN
DISPLACEMENT (LOAD LINE DRAFT) _____	19,237 MT

CLASSIFICATION

ABS, +A1 E "Training Vessel", SPS, +AMS, +ACC, UWILD, CRC, CPS, ENVIRO, GP, HELIDK

DRAWING INDEX

SHEET 1	PRINCIPAL PARTICULARS
SHEET 2	TYP ORDINARY FRAME SECTION AMIDSHIPS
SHEET 3	TYP WEB FRAME SECTION AMIDSHIPS



*ILLUSTRATED HERE IS AN EXAMPLE OF THE DIMENSIONS THROUGH THE CROSS SECTION OF A 350x120/8x10 T. THESE DIMENSION RULES SHOULD BE APPLIED TO ALL BUILT TEE SECTIONS.

REVISIONS

No.	DESCRIPTION	BY/DATE/APPD
0	INITIAL ISSUE	MDS/CPB 02/20/17 EVR
1	CORRECTION OF ABS COMMENTS	CPB 07/11/17 EVR

REFERENCES

No.	TITLE	DWG No.
1	HULL SCANTLINGS	2015-017-03-42
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
*	-	-



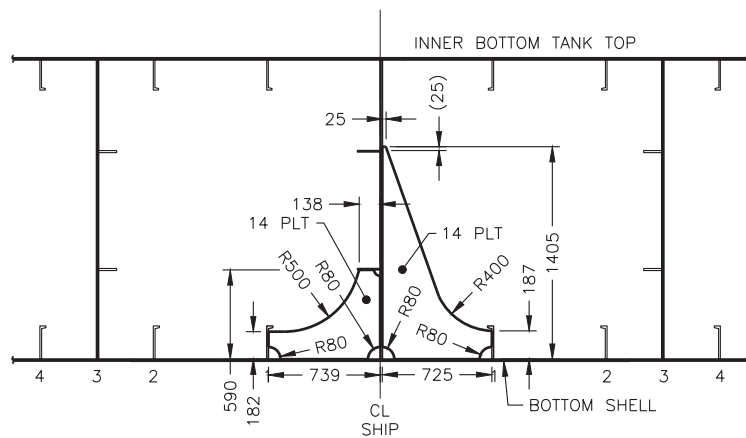
DRWN: MDS	DATE: DEC 15, 2016	SCALE: NOTED
CHKD: CNC	APPD: EVR	ACADFILE: 150170311
PROJECT FILE: 2015-017-03	PLOTSCALE: 1:1 (on 11"x17")	
ABS APPROVAL: -		



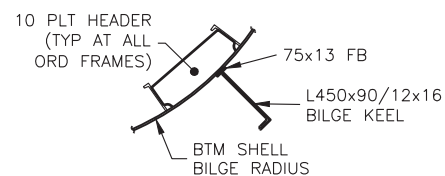
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NSMV PHASE 3 MIDSHIP SECTION

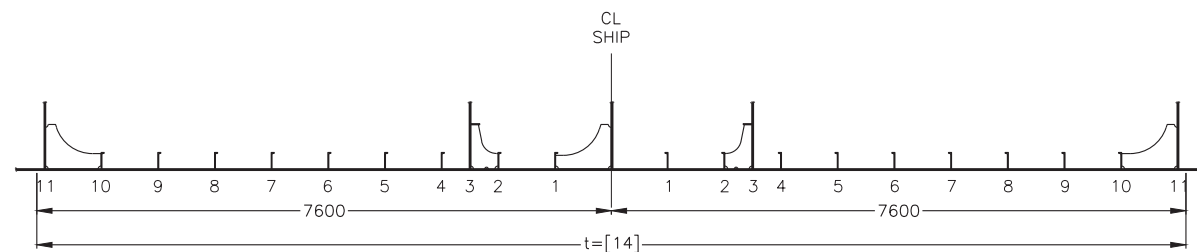
OWNER APPVL: -	HEC DWG No.: 2015-017-03-11
DATE: -	SHEET 1 OF 3
FILE: -	REV 1



DETAIL '0'
TYP DOCKING BKT LOCATED 1125 FWD OF WEB FRAMES
SCALE 1:50



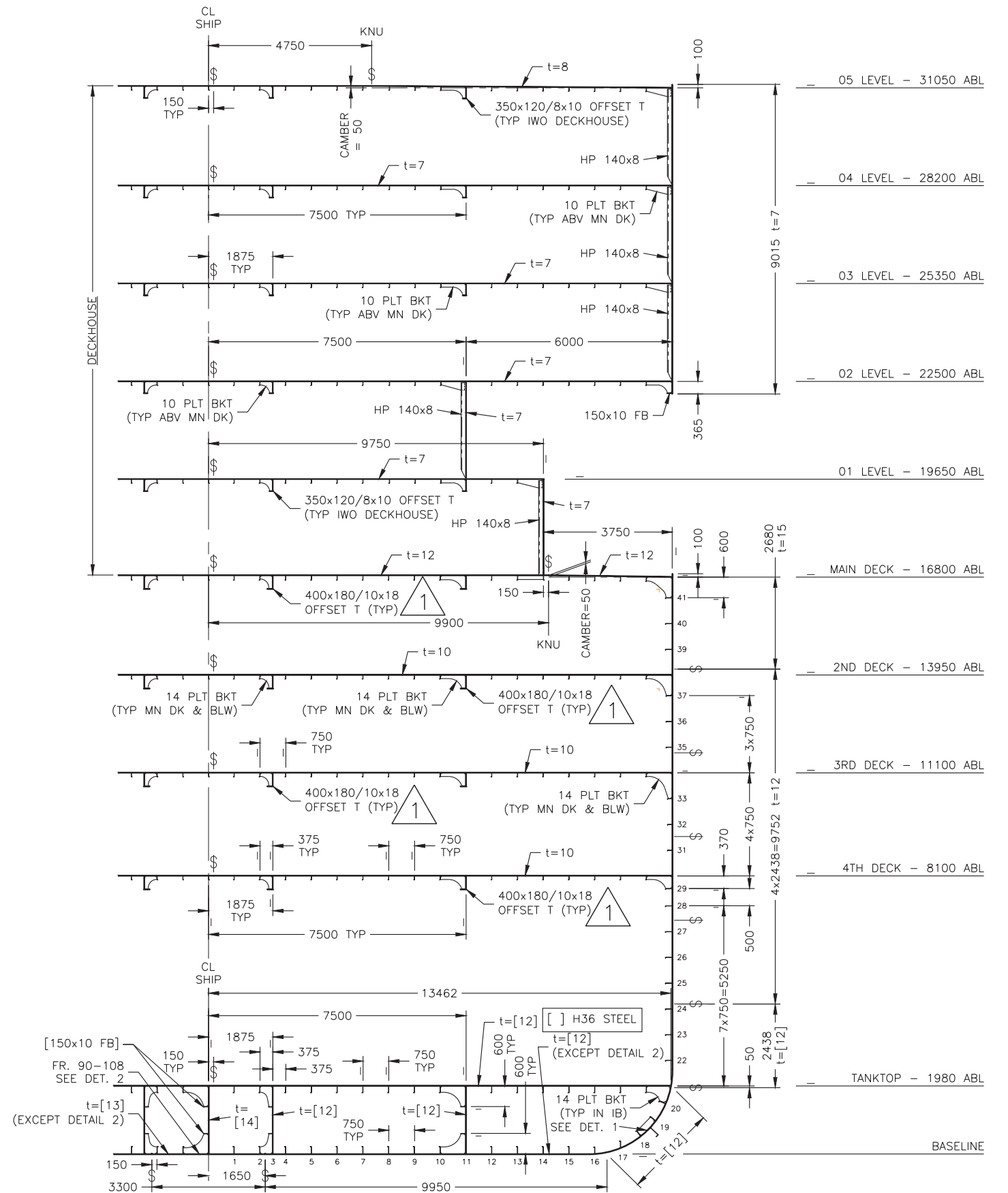
DETAIL '1'
BILGE KEEL
SCALE 1:50

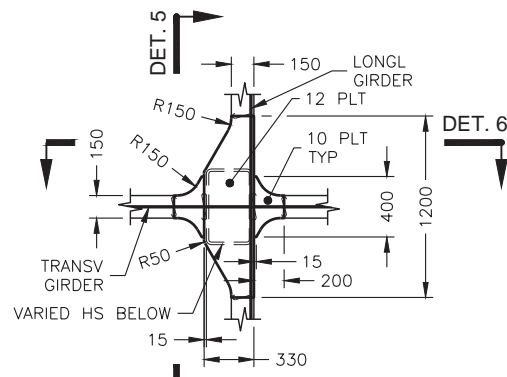


DETAIL '2'
BOTTOM SHELL FR. 90-108
SCALE 1:100

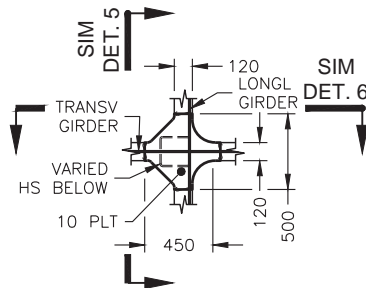
DECKHOUSE	GIRDERS 3, 11	350x120/8x10 'T'
MAIN DECK	DKHSE 0-2, 4-10, 12-18	HP 120x8
	GIRDERS 3, 11	400x150/10x12 'T'
2ND DECK	MN 0-2, 4-10, 12-18	HP 140x8
	GIRDERS 3, 11	400x150/10x12 'T'
3RD DECK	2ND 0-2, 4-10, 12-18	HP 120x8
	GIRDERS 3, 11	400x150/10x12 'T'
4TH DECK	3RD 0-2, 4-10, 12-18	HP 120x8
	GIRDERS 3, 11	400x150/10x12 'T'
INNER BOTTOM	4TH 0-2, 4-10, 12-18	HP 120x8
	IBL 1-2, 4-10, 12-18	HP 200x10 'AH36'
SIDE SHELL	SSL 39-41	HP 200x9
	SSL 35-37	HP 180x8
	SSL 31-33	HP 140x8
	SSL 25-29	HP 200x9
	SSL 22-24	HP 200x10 'AH36'
BOTTOM SHELL	GIRDER STIFF 1-2	150x10 FB 'AH36'
	GIRDER 11	12mm 'AH36'
		13mm 'AH36' (FR. 70-123)
	GIRDER 3	12mm 'AH36'
		14mm 'AH36' (FR. 90-108)
	CVK	14mm 'AH36'
15mm 'AH36' (FR. 90-108)		
	BL 1-2, 4-10, 12-20	HP220x11.5 'AH36'

TABLE OF STIFFENERS

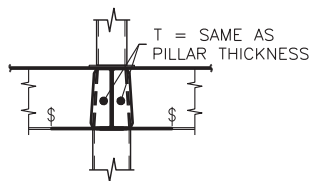




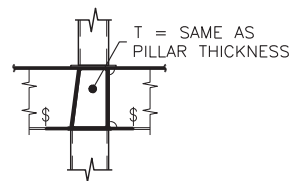
DETAIL '3'
LONGL / TRANSV GDR CONN
(TYP BELOW MAIN DK)
SCALE 1:50



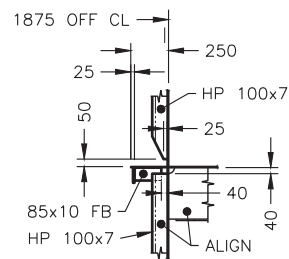
DETAIL '4'
LONGL / TRANSV GDR CONN
(TYP ABV MAIN DK)
SCALE 1:50



DETAIL '5'
LONGL / TRANSV GDR CONN SEC
SCALE 1:50



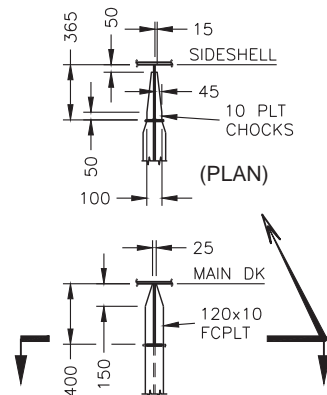
DETAIL '6'
LONGL / TRANSV GDR CONN ELEV
SCALE 1:50



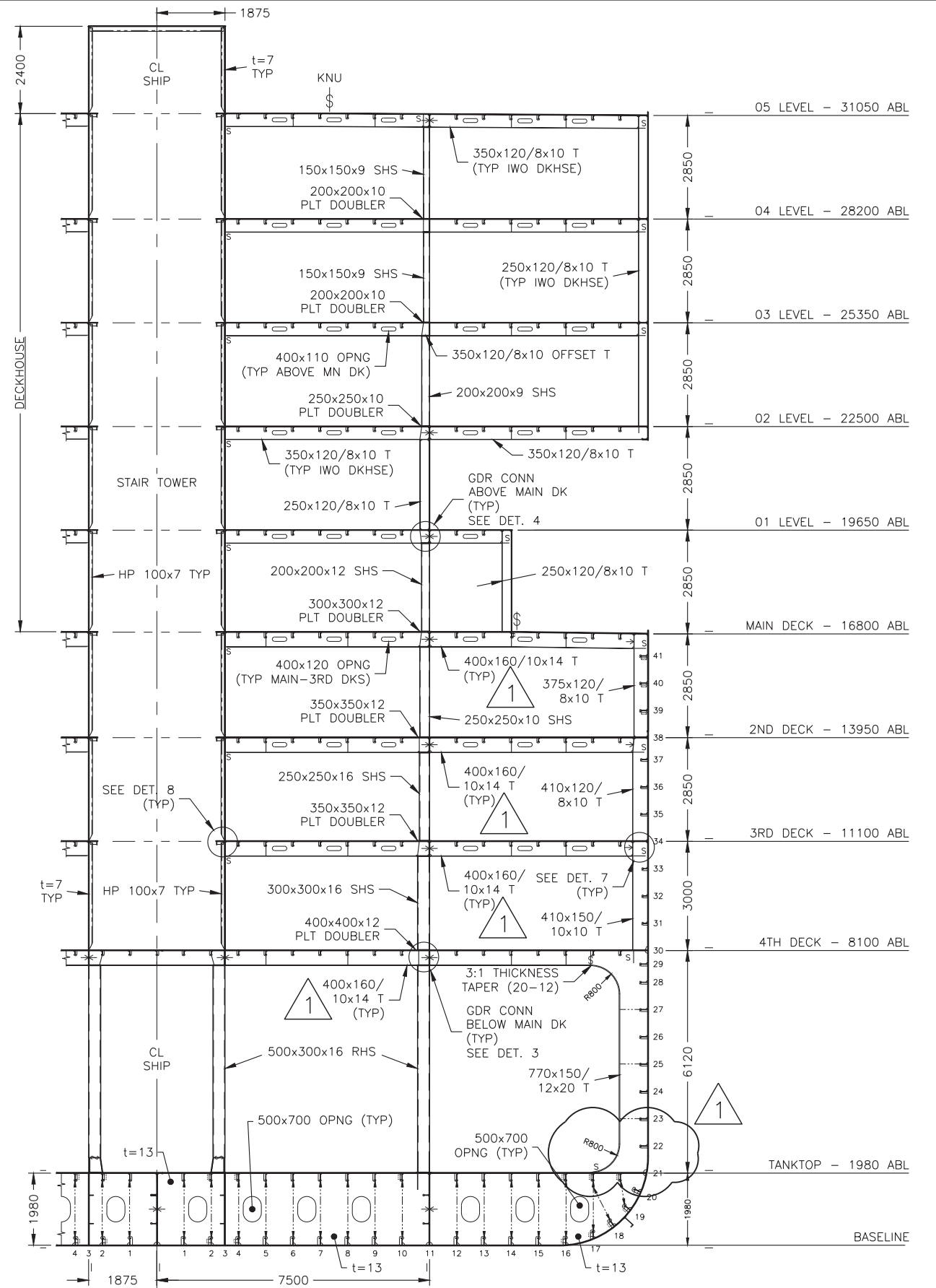
DETAIL '8'
STAIRWELL VERT STIFFENER CONN
SCALE 1:50

DECKHOUSE	GIRDERS	350x120/8x10 'T'
DECKHOUSE	GIRDERS 3, 11	350x120/8x10 'T'
	DKHSE 0-2, 4-10, 12-18	HP 120x8
MAIN DECK	GIRDERS 3, 11	400x150/10x12 'T'
	MN 0-2, 4-10, 12-18	HP 140x8
2ND DECK	GIRDERS 3, 11	400x150/10x12 'T'
	2ND 0-2, 4-10, 12-18	HP 120x8
3RD DECK	GIRDERS 3, 11	400x150/10x12 'T'
	3RD 0-2, 4-10, 12-18	HP 120x8
4TH DECK	GIRDERS 3, 11	400x150/10x12 'T'
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	CVK	14mm 'AH36'
15mm 'AH36' (FR. 90-108)		
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TABLE OF STIFFENERS



DETAIL '7'
SIDESHELL / TRANSV GDR CONN
SCALE 1:50



PROJECT FILE: 2015-017-03

SCALE: 1:150
SCOPE:



U.S. Maritime Administration

NSMV PHASE 3 - MIDSHIP SECTION
- TYPICAL WEB FRAME -

2015-017-03-11

SHEET 3 OF 3 REV 1