

1. ALL STEEL TO BE GRADE DH36, CERTIFIED BY ABS CLASSIFICATION SOCIETY.
2. WELDING TO BE IN ACCORDANCE WITH DRAWING NO. N06312-104-01-1

PROJECT: **HOVER TRANS**

CUSTOMER: **HOVER TRANS**

DATE: **13/02/06**

SCALE: **1:50**

Sheet: **1** of **1**

Scale: **1:50**

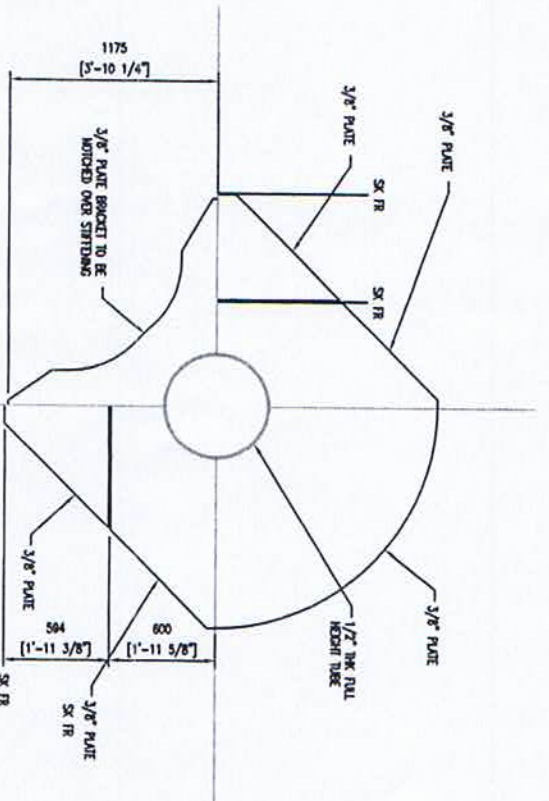
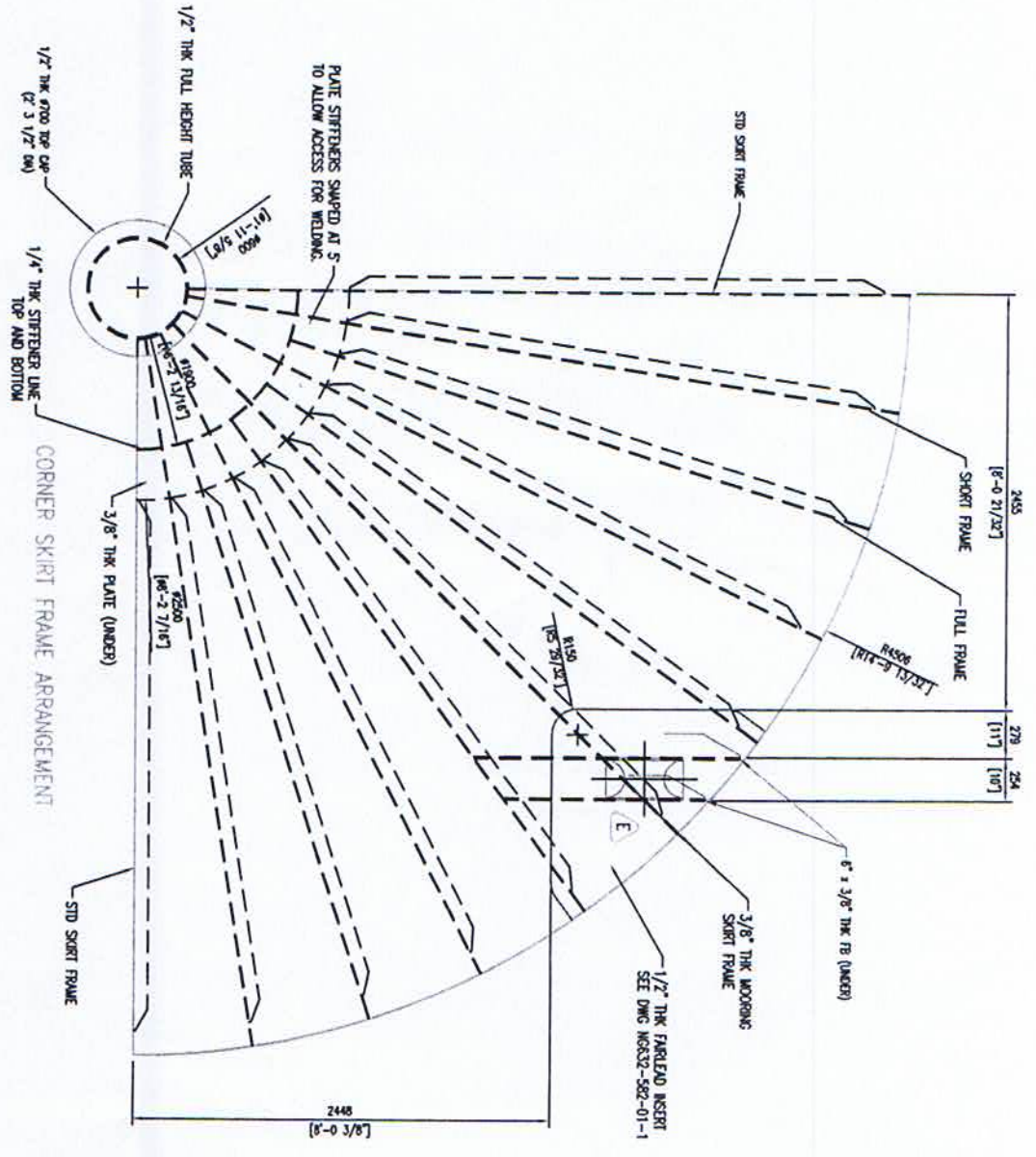
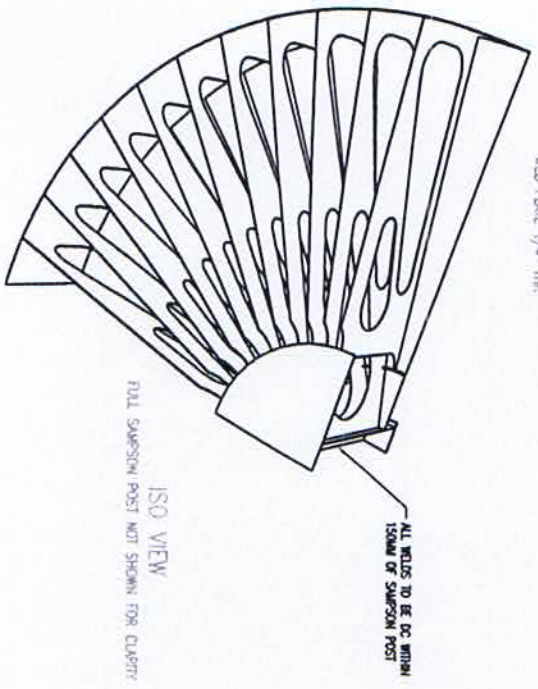
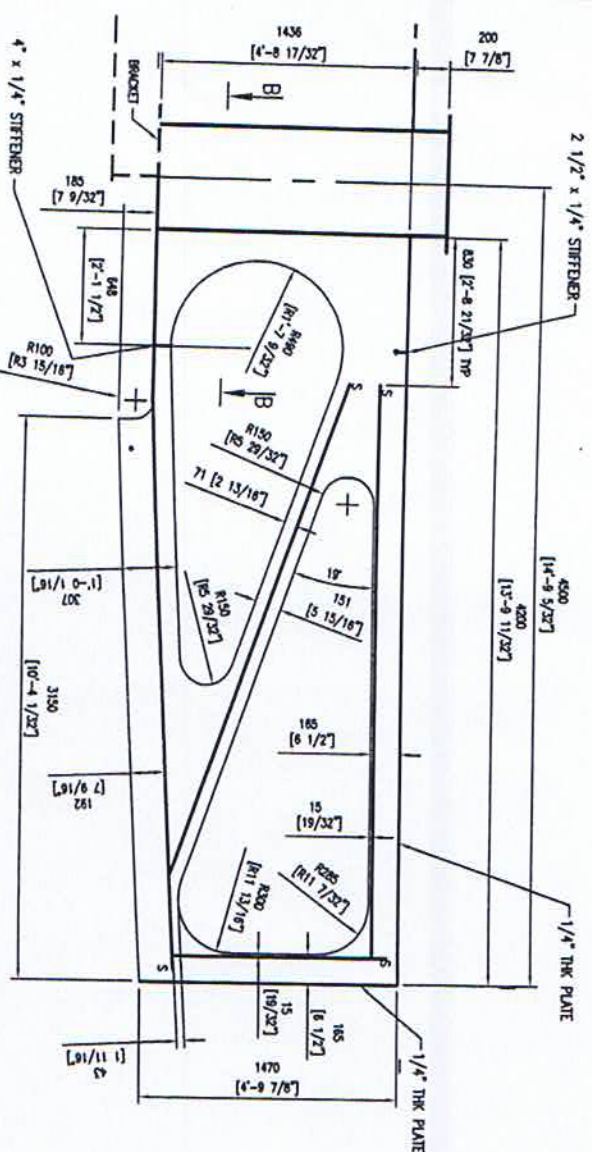
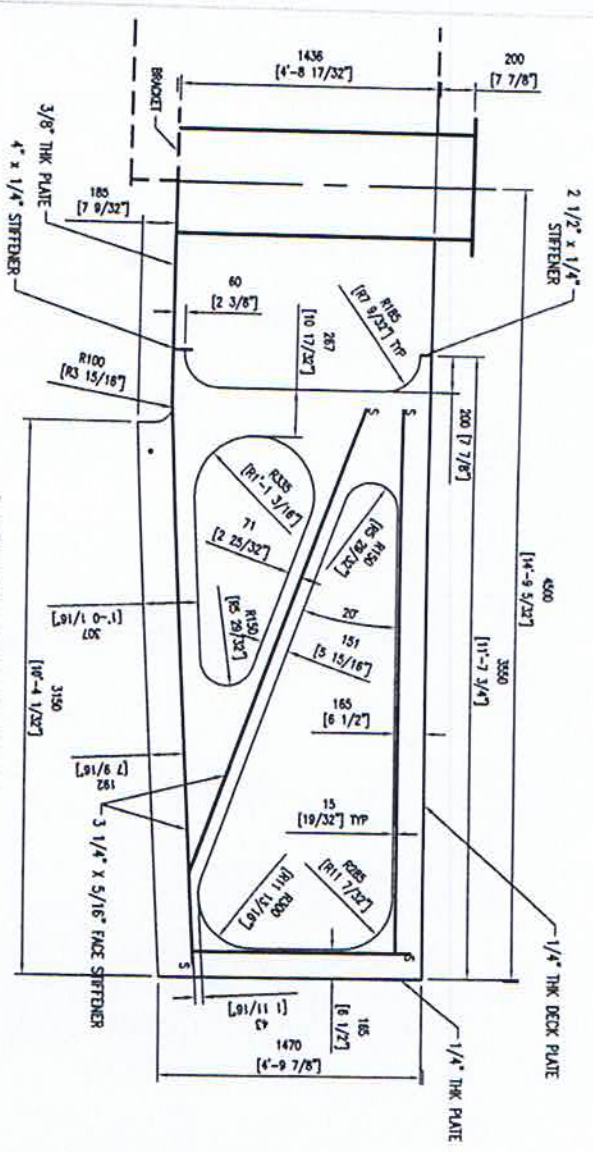
Drawn By: **RO**

Checked By: **SW**

Date: **13/02/06**

NO.	DESCRIPTION	DATE
1	ISSUED FOR APPROVAL	11-02-06
2	ISSUED FOR APPROVAL	11-02-06
3	ISSUED FOR APPROVAL	11-02-06
4	ISSUED FOR APPROVAL	11-02-06
5	ISSUED FOR APPROVAL	11-02-06
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50	ISSUED FOR APPROVAL	11-02-06

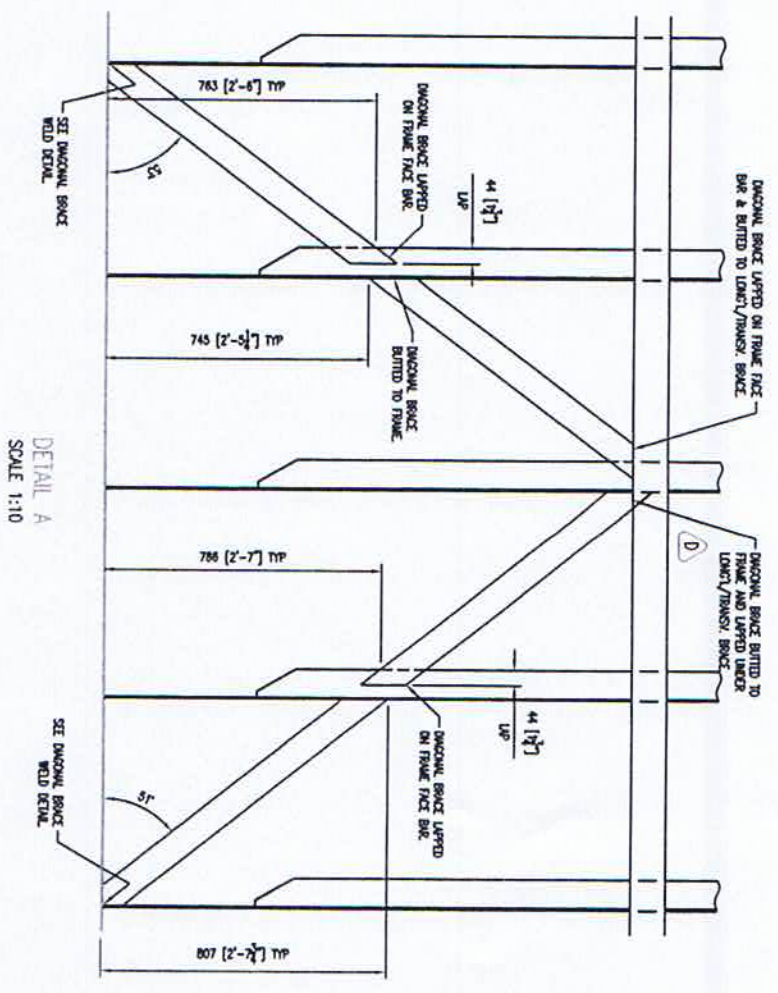
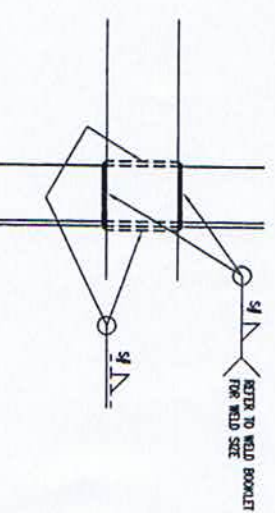
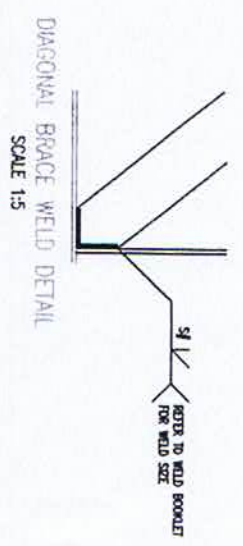
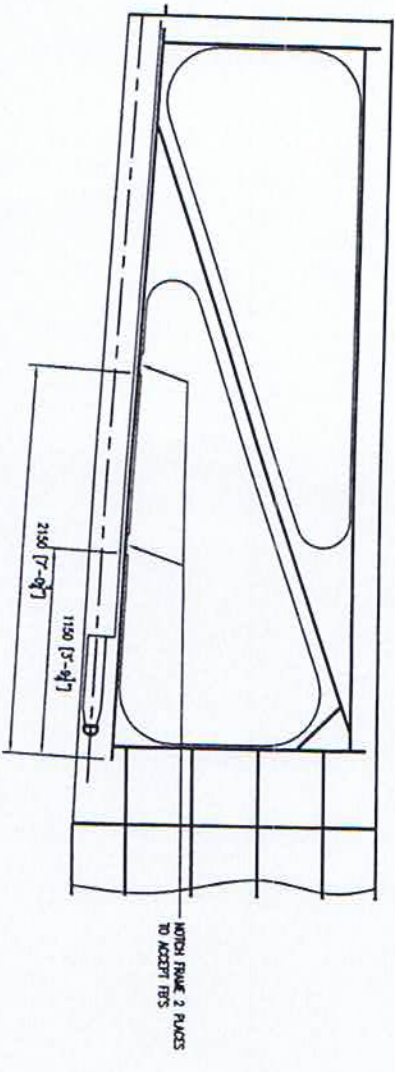
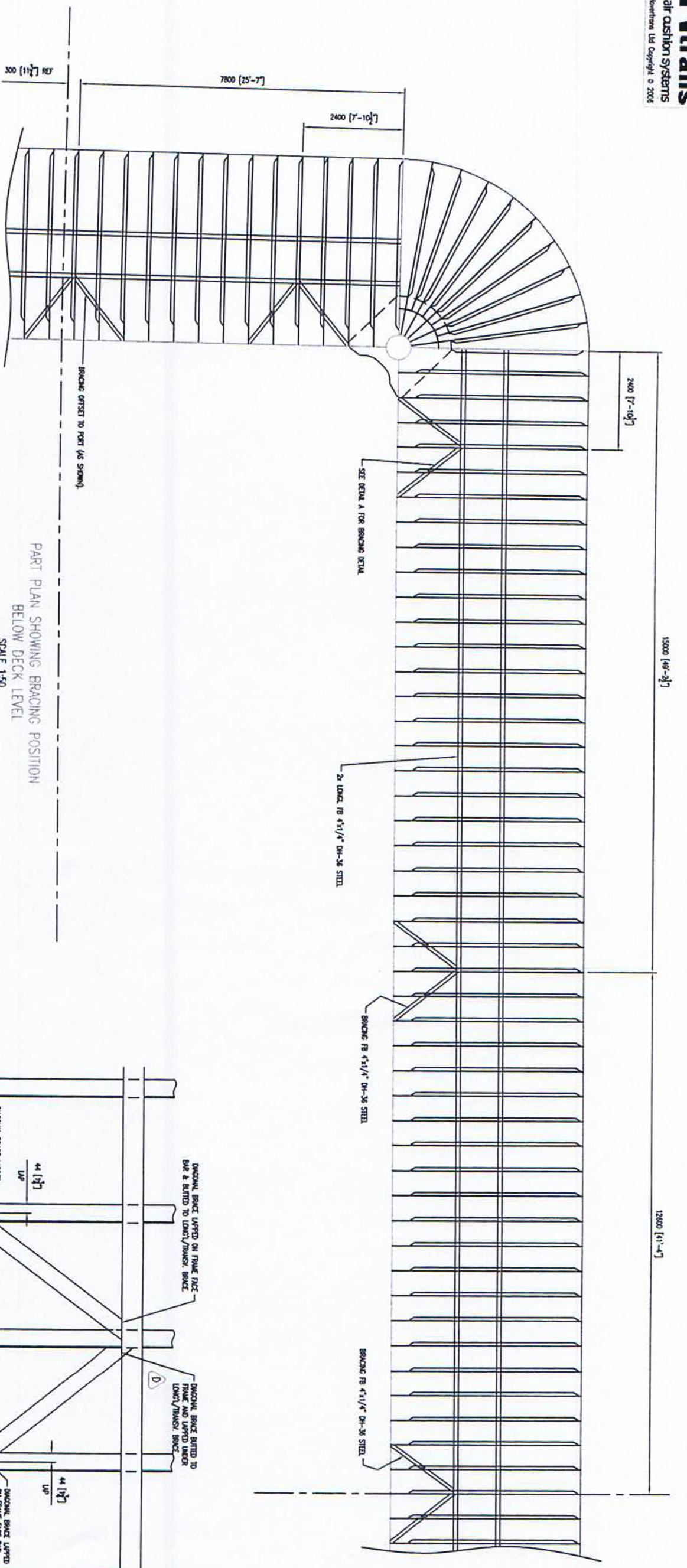
102-1-1 (I)



- NOTES:**
1. ALL STEEL TO BE GRADE DH36, CERTIFIED BY CLASSIFICATION SOCIETY.
 2. WELDING TO BE IN ACCORDANCE WITH DRAWING NO. N6532-104-01-1.
 3. ALL EXTERNAL WELDS TO BE GAS TIGHT.

PRODUCT: 400 TONNE HORIZONTAL		DATE: 24/07/06	
CUSTOMER: N6532-117-02-1		REV: 01-06	
TITLE: CORNER SKIRT FRAME		DATE: 14-01-06	
ISSUE: C		DATE: 25/07/06	
APPROVED BY: [Signature]		CHECKED BY: [Signature]	
DRAWN BY: [Signature]		SCALE: 1:10	
SHEET: 1		TOTAL SHEETS: 1	
DATE: 25/07/06		SCALE: 1:10	

117-02-1 (1)



LONGI./TRANSV. BRACE WELD DETAIL
SCALE 1:5

PART PLAN SHOWING BRACING POSITION
BELOW DECK LEVEL
SCALE 1:50

FRONT ELEVATION SHOWING BRACING POSITION
SCALE 1:20

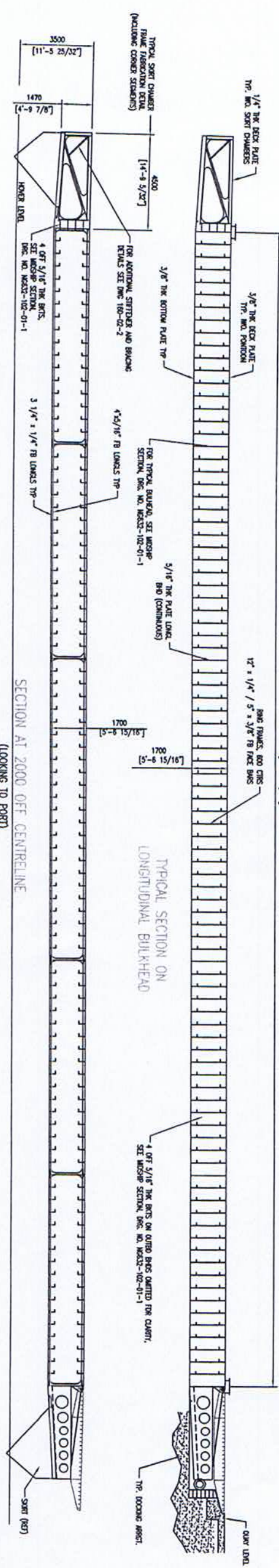
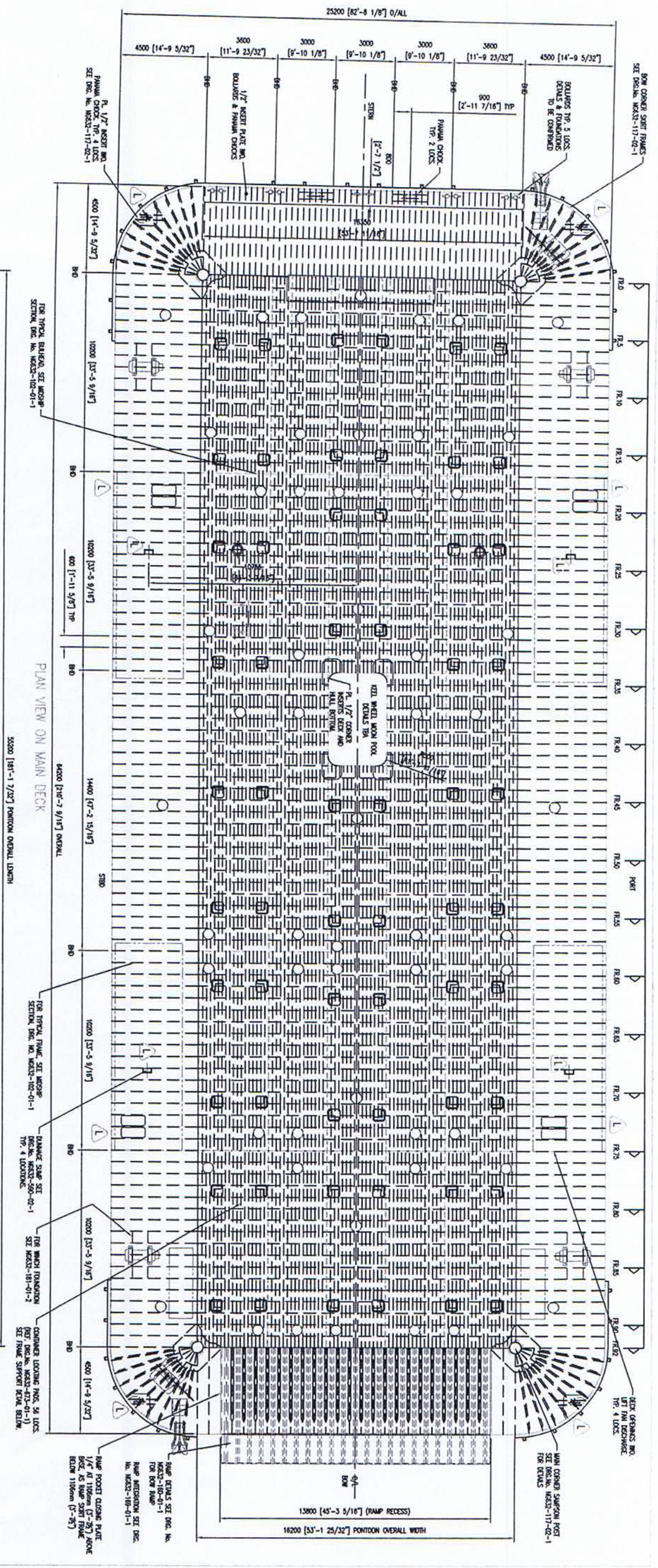
DETAIL A
SCALE 1:10

NOTES

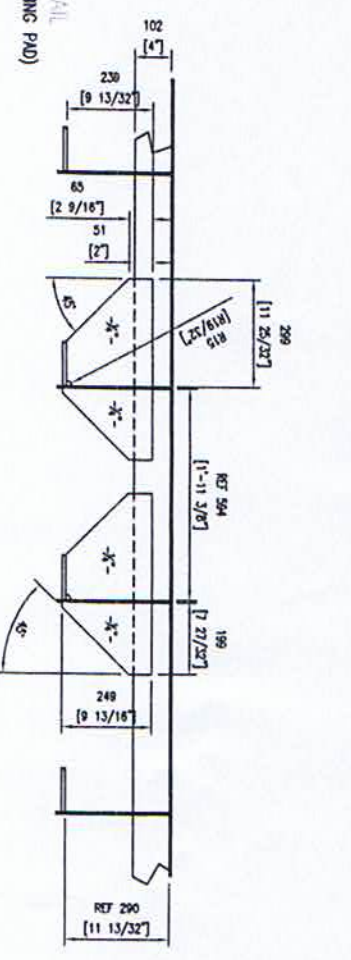
1. ALL STEEL TO BE GRADE D460, CERTIFIED BY ABS CLASSIFICATION SOCIETY.

CUSTOMER		PROJECT		ISSUE		MODIFICATIONS		MOD DATE	
SKIRT FRAME BRACING		450 TONNE HOVERBARGE		1		LAPPING OF BRACINGS UPDATED		24/07/08	
DRAWING NO: 117-03-1		REVISED FOR LENGTH CHANGE & DETAIL 'X' UPDATED.		2		LAPPING OF BRACINGS UPDATED		10-04-08	
SHEET NO: 1		SCALE: 1:50		3		LAPPING OF BRACINGS UPDATED		11-02-06	
SHEET NO: 1		SCALE: 1:50		4		LAPPING OF BRACINGS UPDATED		11-02-06	
SHEET NO: 1		SCALE: 1:50		5		LAPPING OF BRACINGS UPDATED		11-02-06	
SHEET NO: 1		SCALE: 1:50		6		LAPPING OF BRACINGS UPDATED		11-02-06	
SHEET NO: 1		SCALE: 1:50		7		LAPPING OF BRACINGS UPDATED		11-02-06	
SHEET NO: 1		SCALE: 1:50		8		LAPPING OF BRACINGS UPDATED		11-02-06	
SHEET NO: 1		SCALE: 1:50		9		LAPPING OF BRACINGS UPDATED		11-02-06	
SHEET NO: 1		SCALE: 1:50		10		LAPPING OF BRACINGS UPDATED		11-02-06	

117-03-1 (1)



SECTION X-X
FRAME SUPPORT DETAIL
(2 LONG'S PER CONTAINER LOCATING PAD)
SCALE 1:5

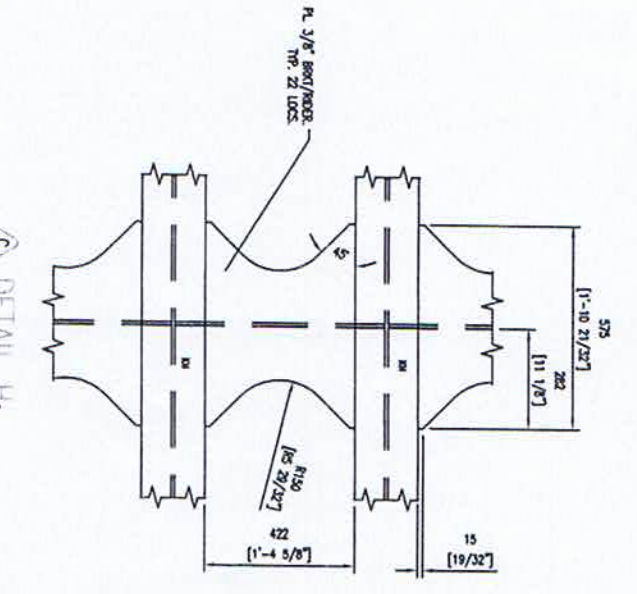
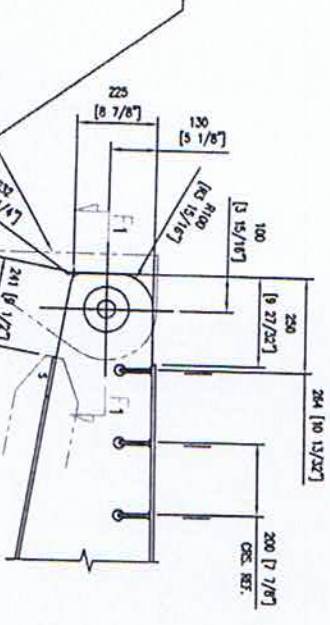
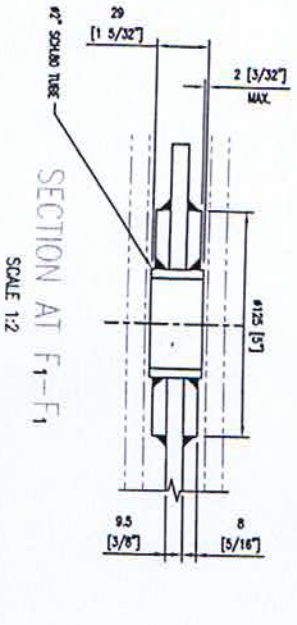
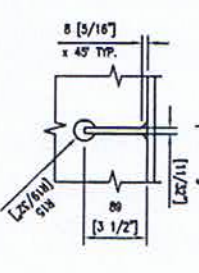
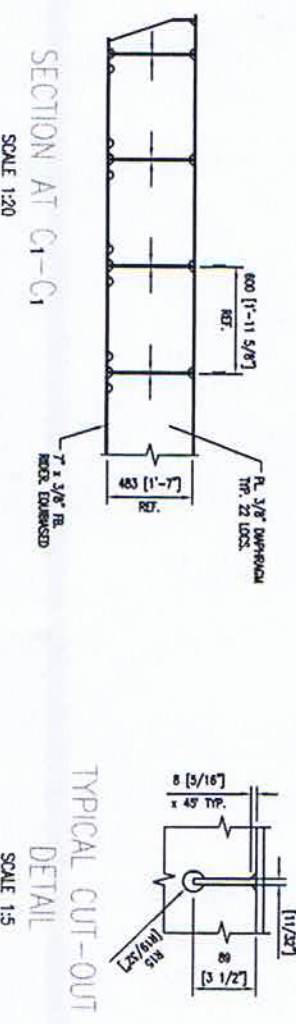
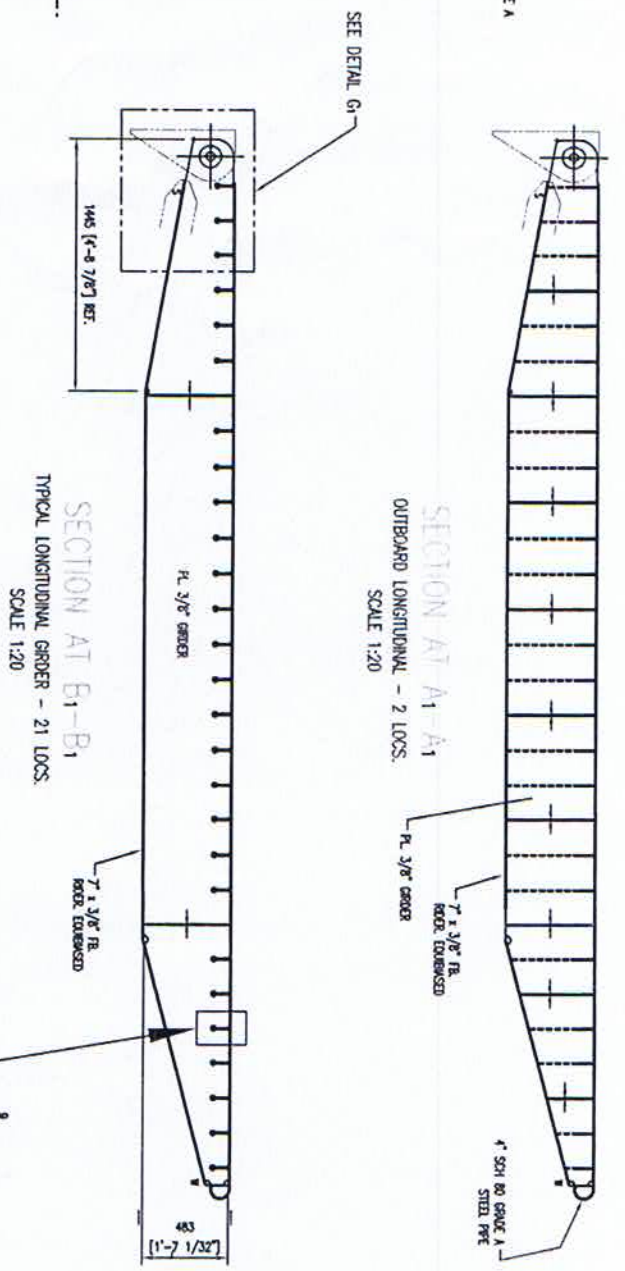
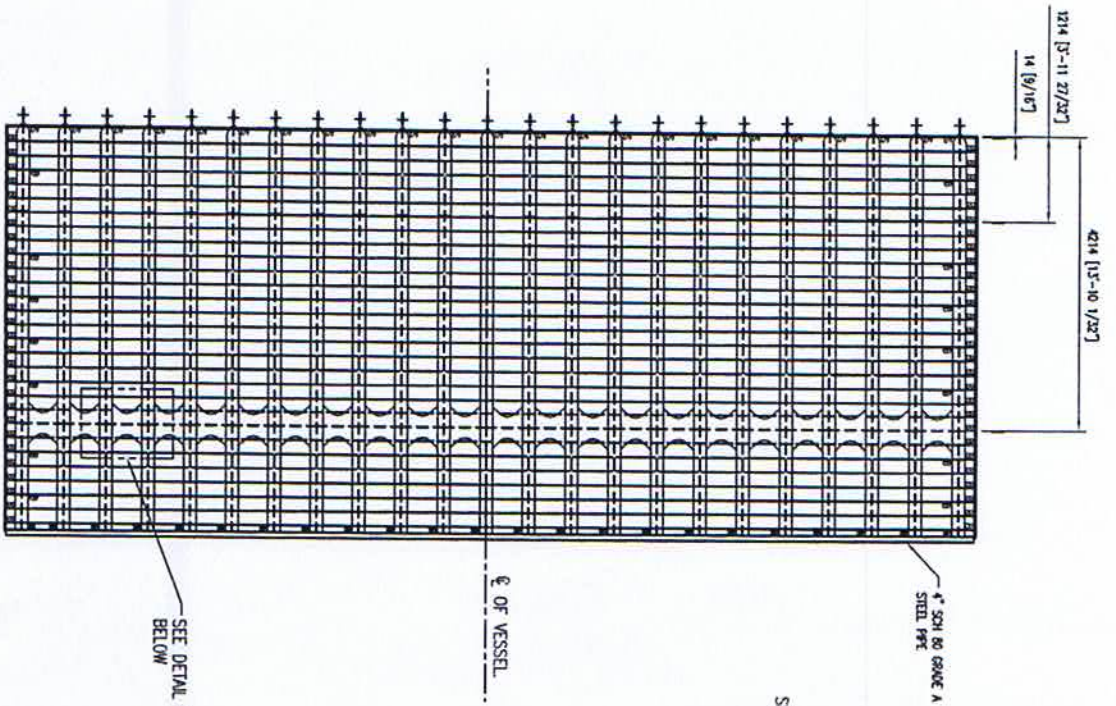
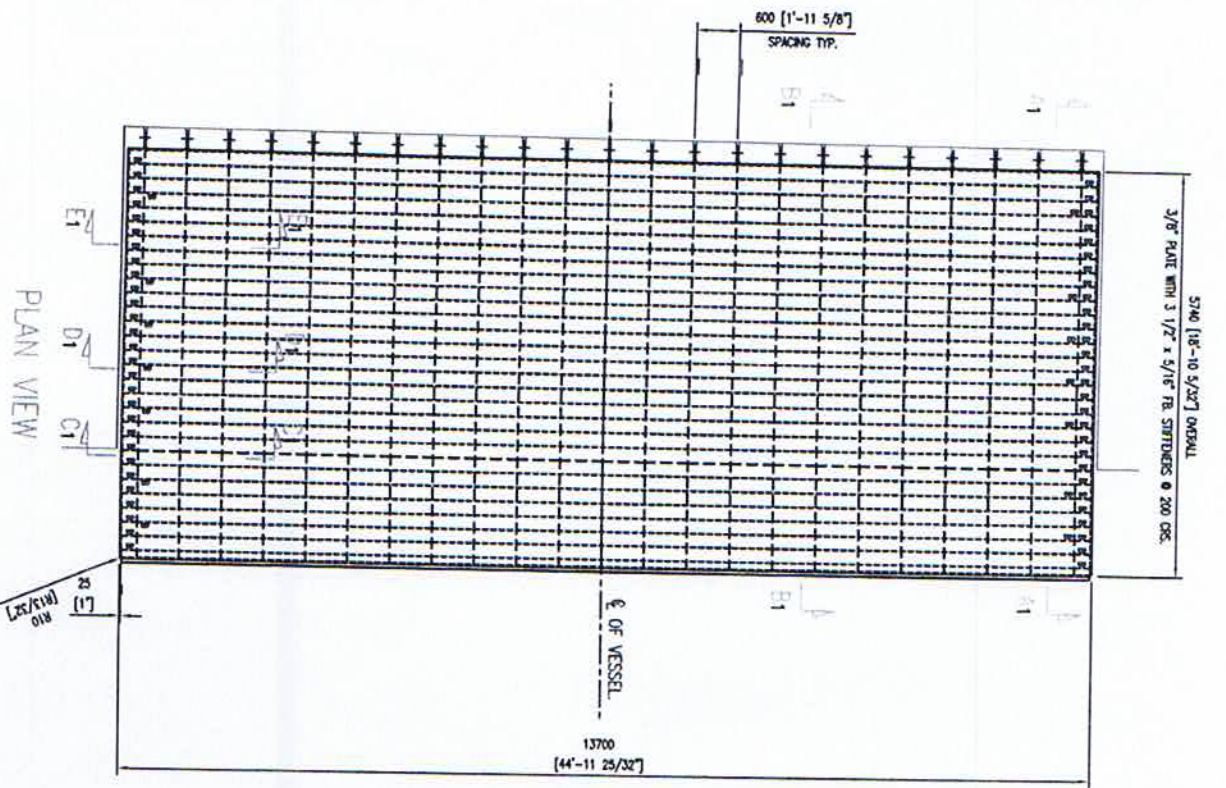


PROJECT : 450 TONNE HOWERBARGE	
TITLE : MAIN DECK STRUCTURE PLAN	
CUSTOMER :	
DESIGN NO. :	
DATE :	
SCALE :	1:50
DRAWN BY :	RQ
CHECKED BY :	SMAL
DATE :	25/07/08

NO.	REVISION	DATE
1	ISSUE	25-07-08
2	REVISIONS CORRECTED	25-07-08
3	REVISIONS CORRECTED	25-07-08
4	REVISIONS CORRECTED	25-07-08
5	REVISIONS CORRECTED	25-07-08
6	REVISIONS CORRECTED	25-07-08
7	REVISIONS CORRECTED	25-07-08
8	REVISIONS CORRECTED	25-07-08
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16	REVISIONS CORRECTED	25-07-08
17	REVISIONS CORRECTED	25-07-08
18	REVISIONS CORRECTED	25-07-08
19	REVISIONS CORRECTED	25-07-08
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21	REVISIONS CORRECTED	25-07-08
22	REVISIONS CORRECTED	25-07-08
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24	REVISIONS CORRECTED	25-07-08
25	REVISIONS CORRECTED	25-07-08



131-01-1 (1)

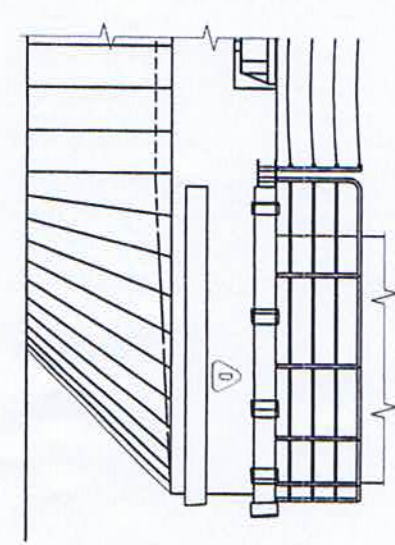
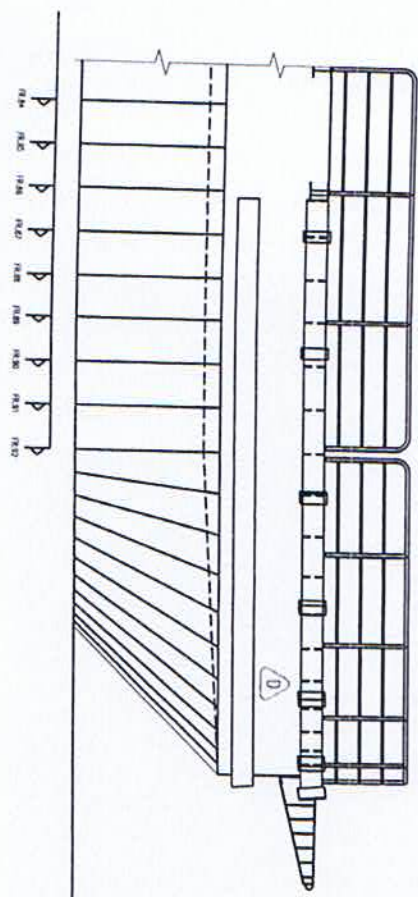
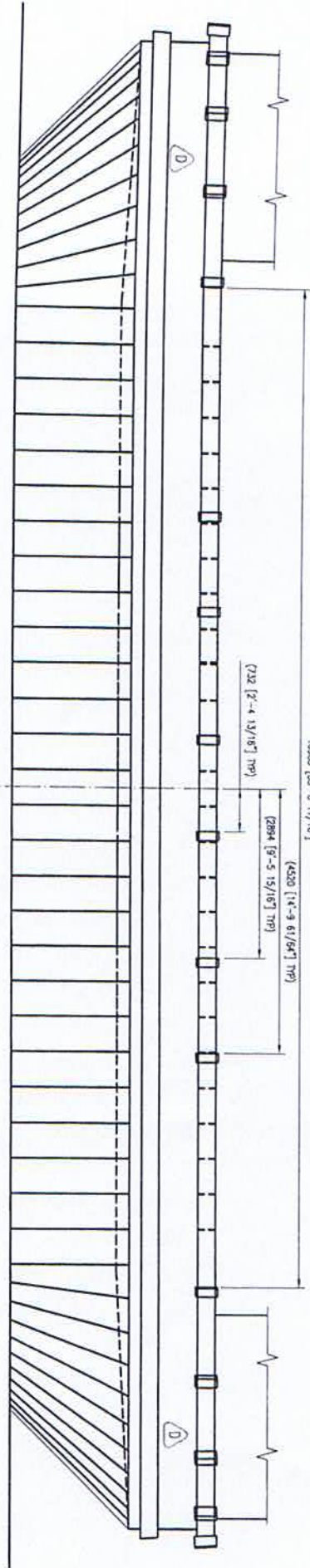
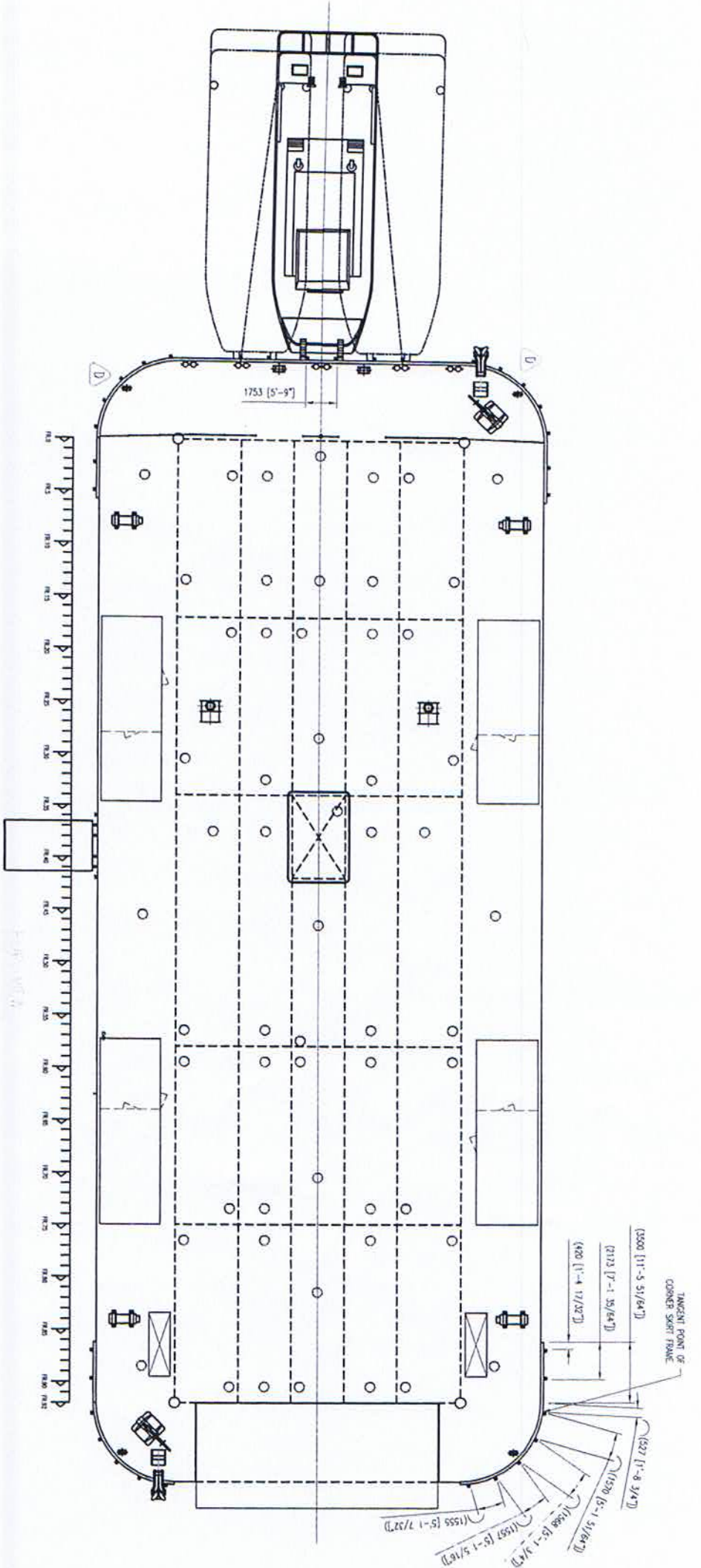


GENERAL NOTES:

1. MATERIAL IS TO BE CHS6 STEEL UNLESS NOTED OTHERWISE.
2. YARD TO PRODUCE APPROPRIATE JIG FOR MANUFACTURE OF RAMPS TO ENSURE ACCURATE ALIGNMENT TO HINGE LUGS & TO MINIMIZE WELD DISTORTION.
3. ALL WELDS TO BE DC.
4. RAMP DESIGN DECK PRESSURE 10T/sqm

PROJECT: 450 TONNE HOMEWORKER	
CUSTOMER: BOM RAMP	
TITLE: BOM RAMP	
Dwg No: 160-01-1	
Sheet	1
Scale	1:50
Drawn By	SW
Checked By	SMW
DATE	25/07/08
ISSUE	DESCRIPTION
A	PRODUCTION ISSUE
B	ISSUE H UPDATED
C	PRE-ACCESSED TO END OF OF RAMP
D	FIRST ISSUE
E	MOD DATE
F	18-01-08
G	12-02-08
H	02-04-08
I	24/07/08

160-01-1 (1)

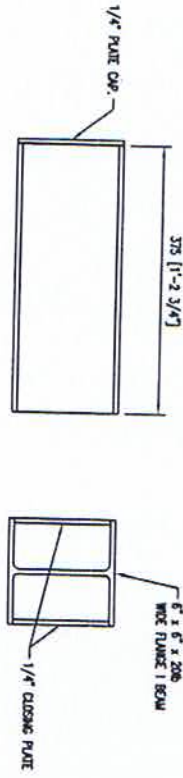


1. RUSH BLOCK POSITIONS ARE REFERENCE ONLY, SHOWN TO POSITION RELATIVE TO ARTIC FACE AS BUILT DRAWINGS.

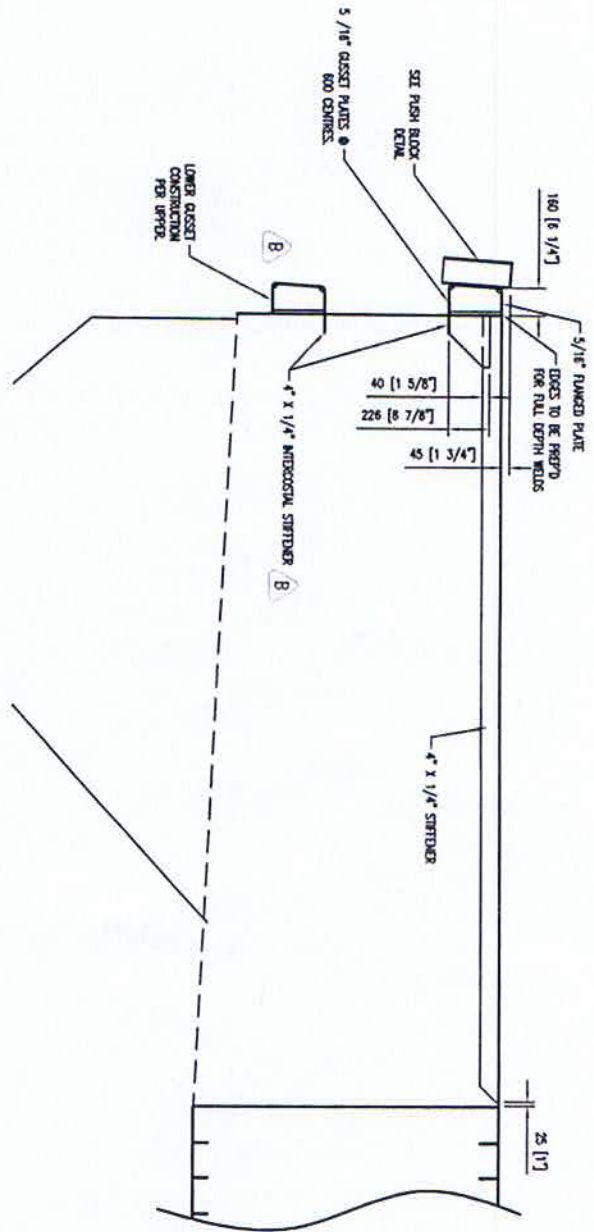
PROJECT : 450 TONNE HOMEGARAGE		ISSUE	WORKS/DRAWING	DATE
CUSTOMER : TUG CONTACT BARS		A	UNROUT UPDATED TO SUIT QA	21-07-08
DRAW No : M3632-160-02-1		B	BLANKETS ADDED TO ART END	CAC
DATE : 25/07/08		C	BLANKETS, LOWER BLANKETS	21-05-08
SCALE : 1:50		D	ADD PRODUCTION SIZE	JL
DRAWN BY : SW		E	PAI REWORKERS	11-01-08
CHECKED BY : SWAL		F	OPEN REMOVED AND WAST	HL
APPROVED BY : [Signature]		G	REVISIONS	
DATE : 25/07/08		H	FIRST ISSUE	



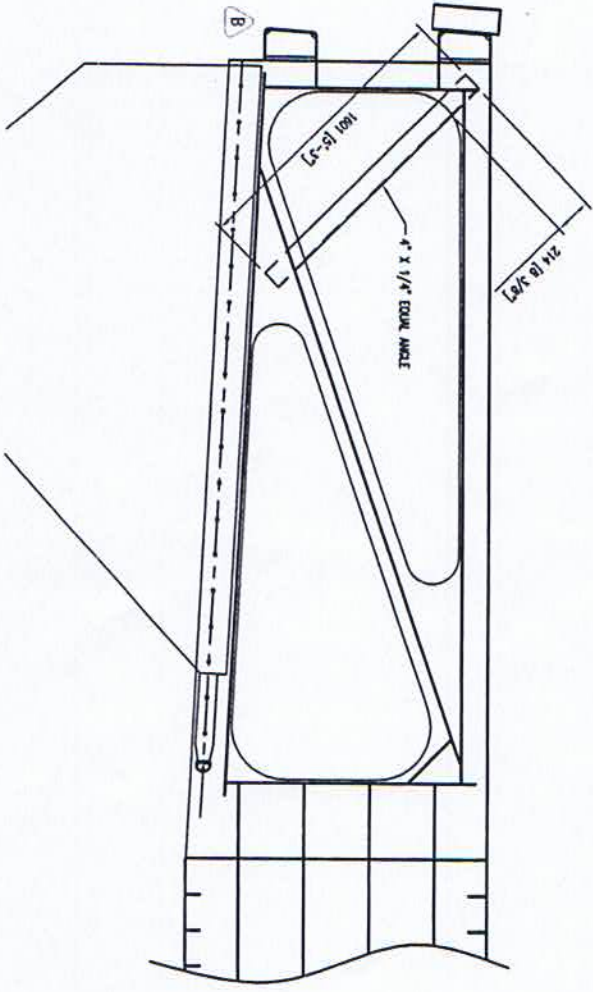
160-02-1 (1)



TYPICAL PUSH BLOCK



SECTION SHOWING ADDITIONAL STIFFENING FOR TUG CONTACT BARS (SECTION TYPICAL IN STEEL AT MID-TRUSS MID)

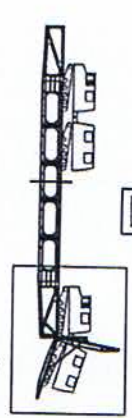
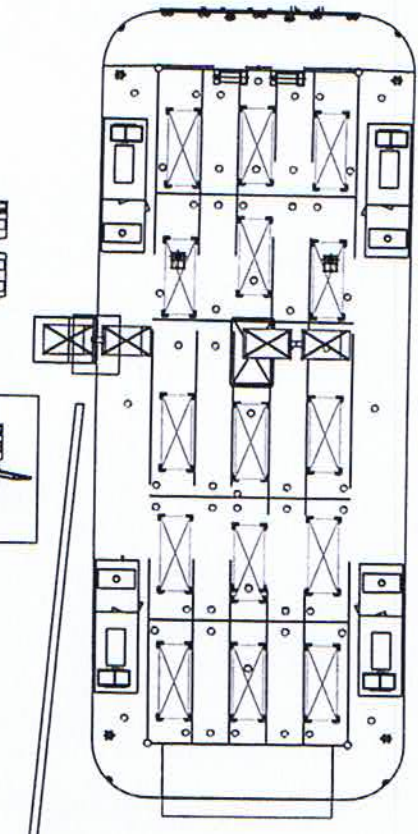


SECTION SHOWING ADDITIONAL BRACING FOR TUG CONTACT BARS

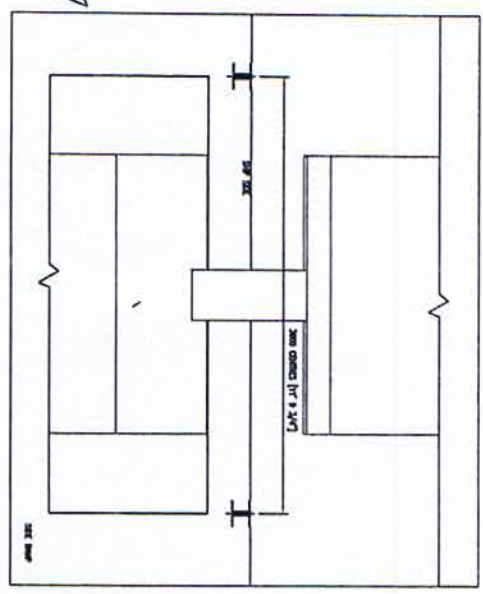
PROJECT :	450 TONNE HOMEBARGE
CUSTOMER :	HOWE TRANSPORT SYSTEMS
TITLE :	TUG CONTACT BARS
DWG No. :	MS0022-160-02-2
SHEET :	2
Scale :	1:20
Drawn By :	RD
Checked By :	SMAL
DATE :	25/07/08
ISSUE :	1
DESCRIPTION :	LOWER RAFTER ACC'D. PRODUCTION ISSUE
DATE :	23-07-08
BY :	RD
CHECKED BY :	SMAL
DATE :	10-04-08
APPROVED BY :	RD
DATE :	25/07/08



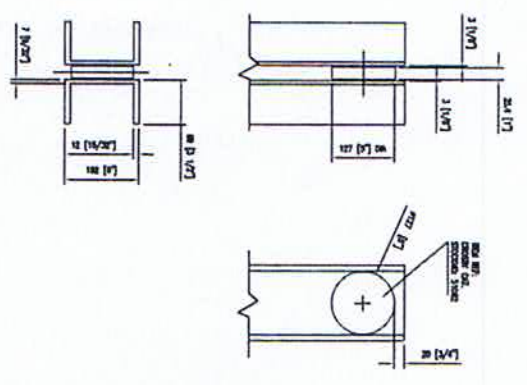
160-02-2 (1)



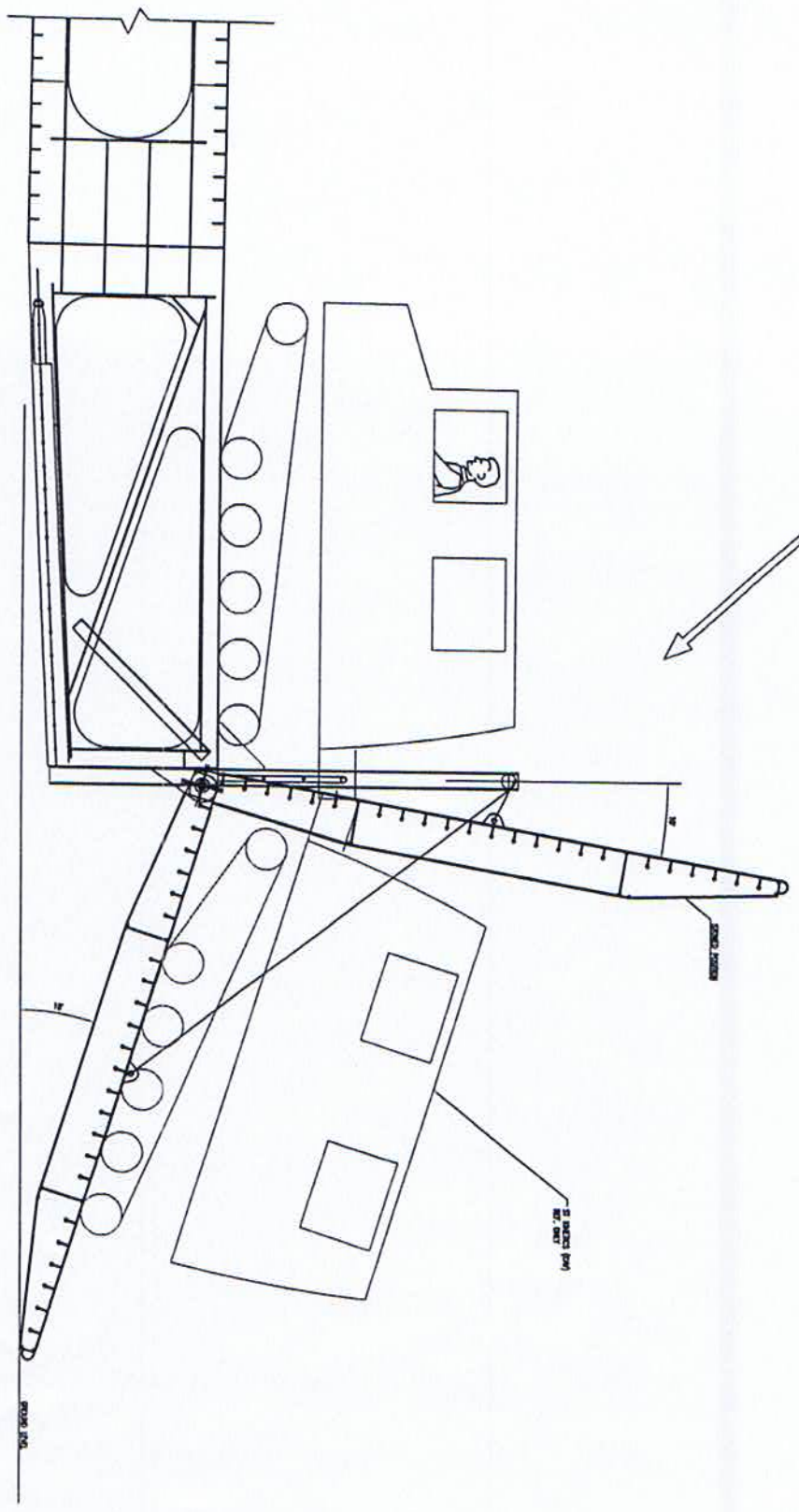
KEY PLAN
SCALE 1:200



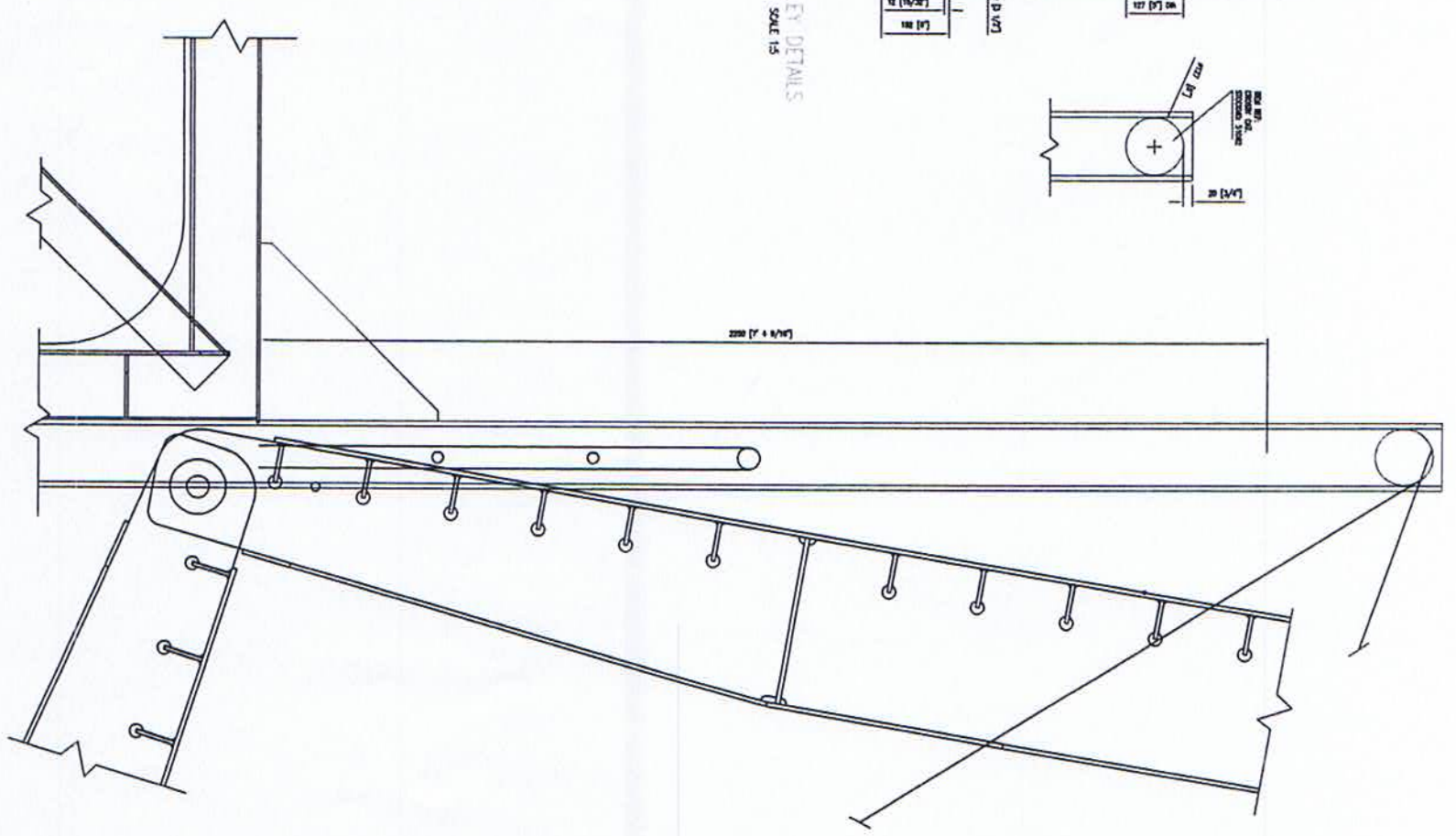
WINCH DETAILS
SCALE 1:5



PULLEY DETAILS
SCALE 1:5



SIDE RAMP ARRANGEMENT
SCALE 1:5



HINGE/POST DETAIL
SCALE 1:5

PROJECT		160-05-1	
DRAWING		SIDE RAMP ARRANGEMENT DRAWING	
NO.	REV.	DATE	BY
1	1	13/03	SS
PROJECTED SIZE		A1	
SCALE		1:5	
DATE		23/07/06	
DRAWN BY		SS	
CHECKED BY		SS	
APPROVED BY		SS	
DESIGNED BY		SS	
PROJECT MANAGER		SS	
PROJECT ENGINEER		SS	
PROJECT SUPERVISOR		SS	
PROJECT COORDINATOR		SS	
PROJECT ASSISTANT		SS	
PROJECT OFFICER		SS	
PROJECT CLERK		SS	

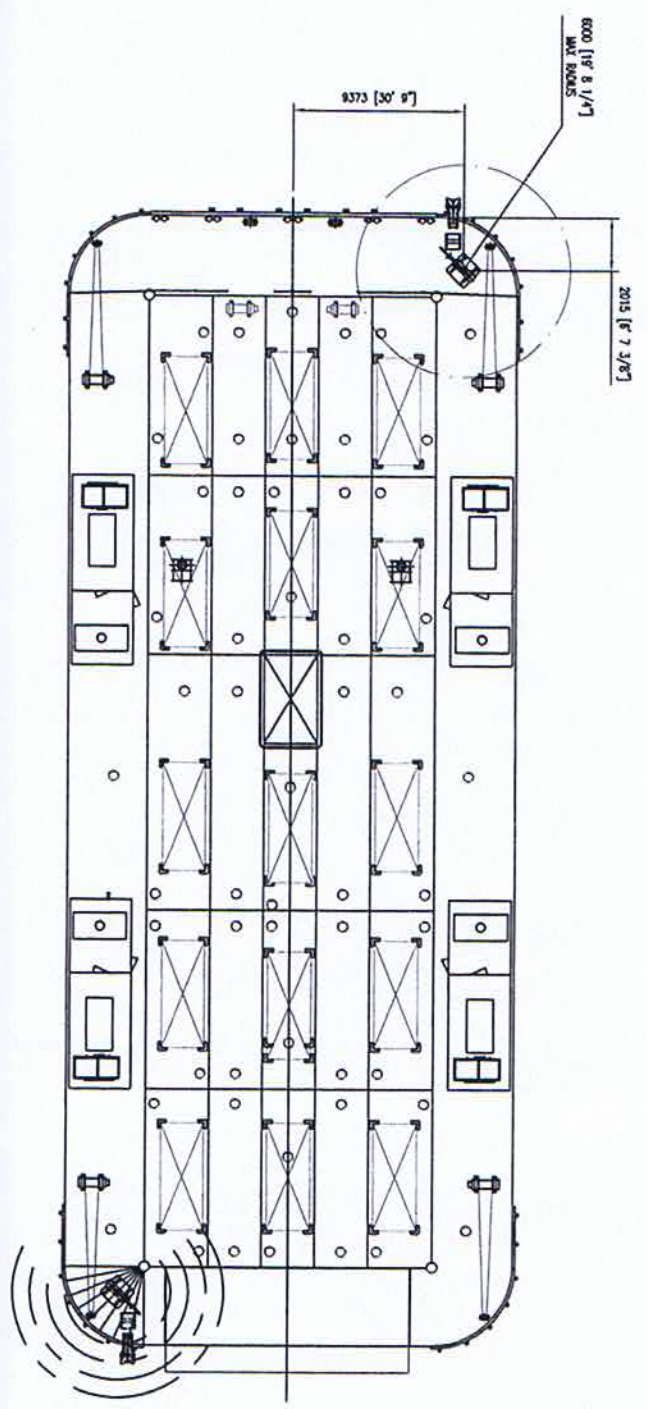
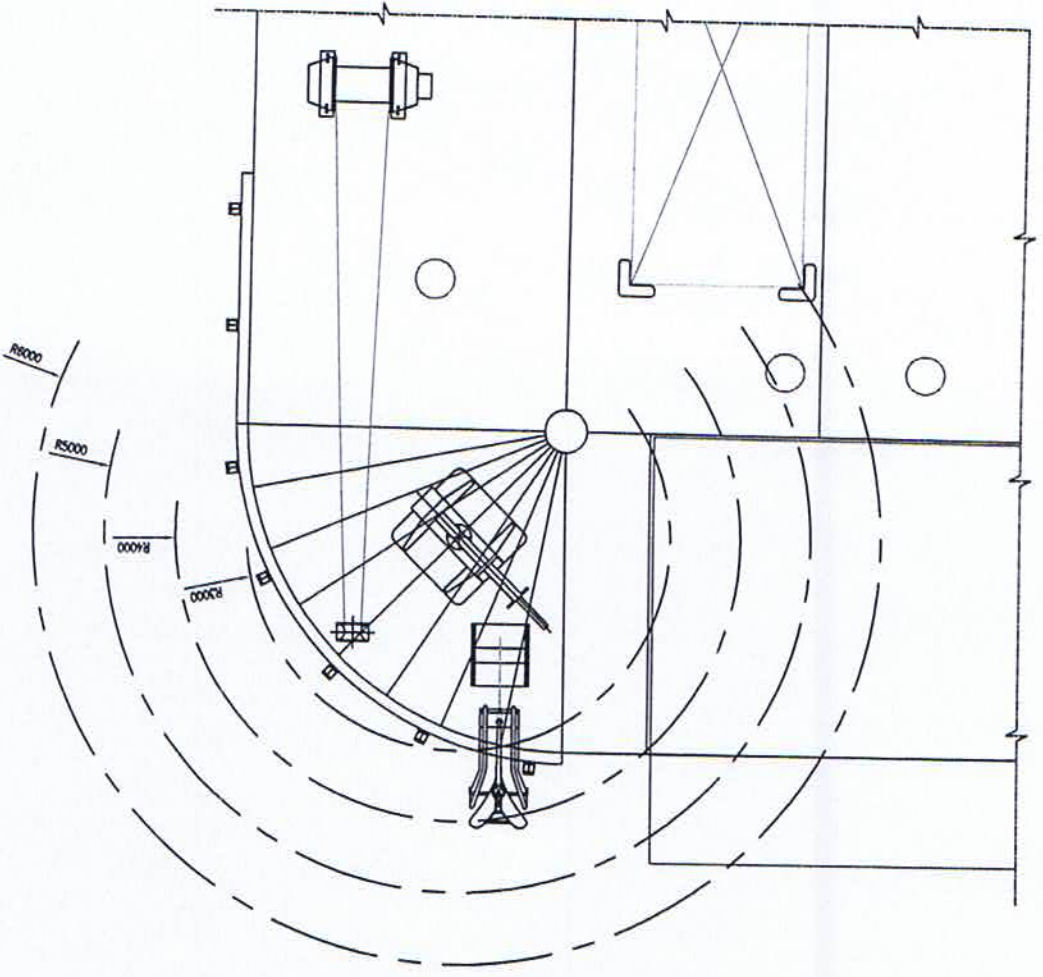
160-05-1 (1)

GENERAL NOTES

1. FOR CRANE SEAT FABRICATION DRAWING SEE SHEET 2
2. CRANE TO BE GROVE CRANES M977 (2 OFT)

TABLE OF LOADINGS

REACH (M)	SWL (T)
1	9.00
2	4.50
3	3.00
4	2.25
5	1.50
6	1.50



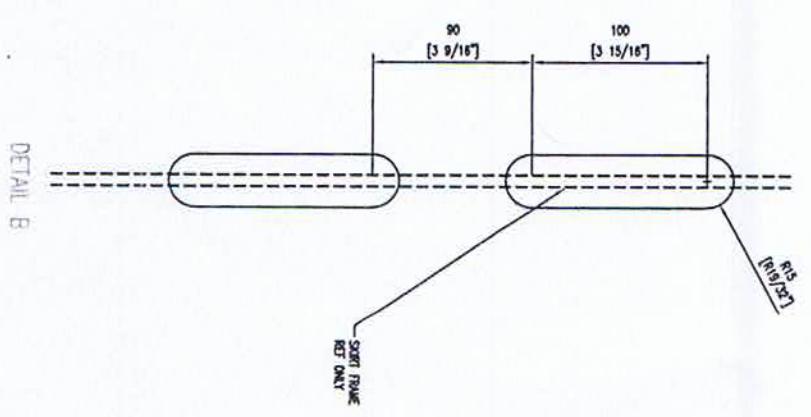
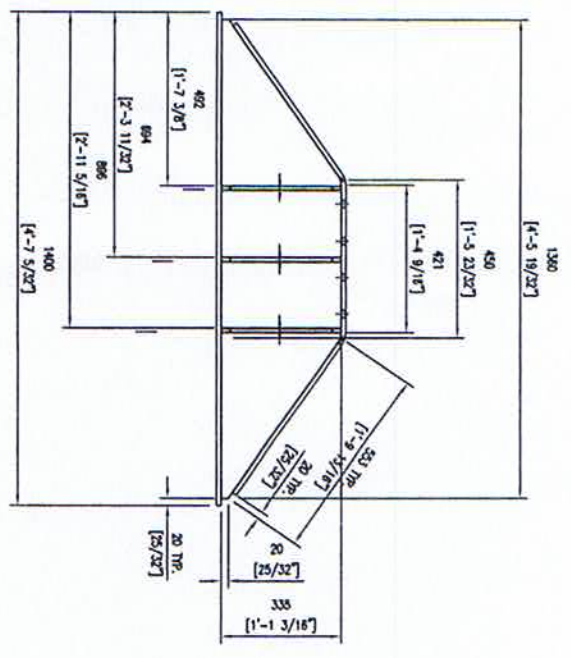
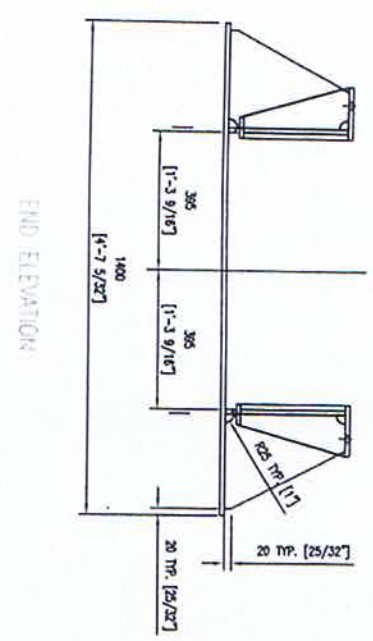
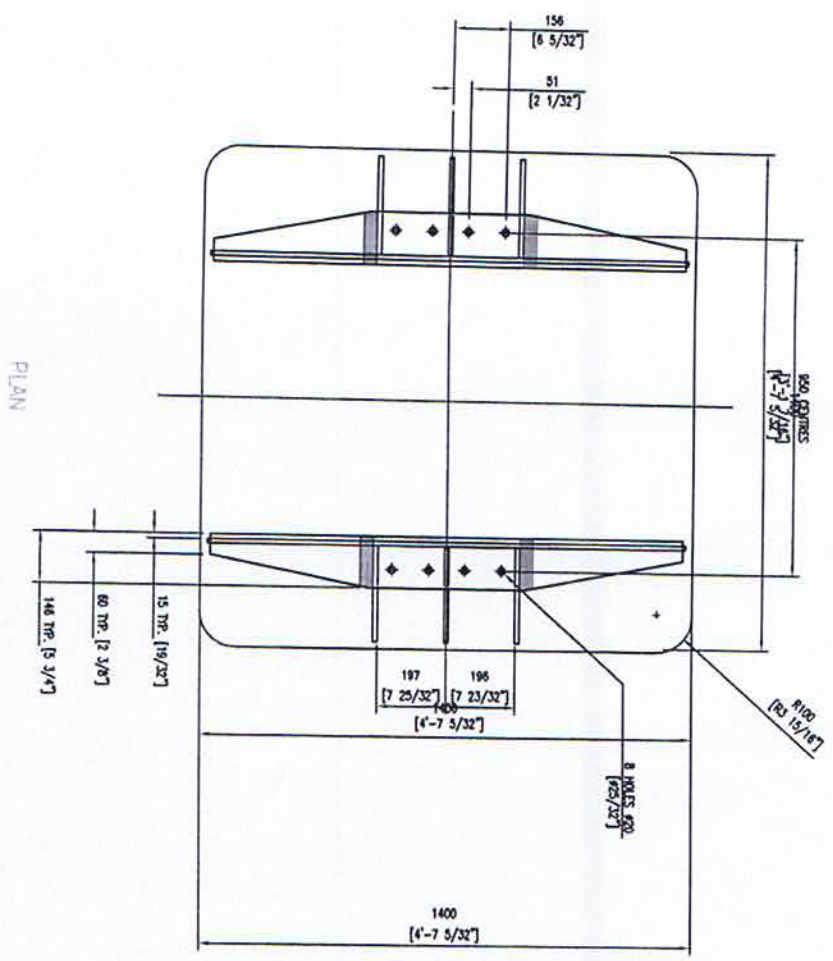
160-07-1 (1)

PROJECT : 450 TONNE HONGBARGE
 CUSTOMER :
 DWG No :
 TITLE : CRANE ARRANGEMENT

Sheet	1	Issue	Scale	Drawn By	Checked By	Checked Date
of total	2	1	1:50	JC	SMAL	25/07/08

ISSUE A
 PRODUCTION ISSUE, CRANE WORKED
 FIRST ISSUE
 APPROVED BY: JC
 APPROVED BY: SMAL
 DATE: 24/07/08
 DATE: 25/07/08

BMT Nigel Gee

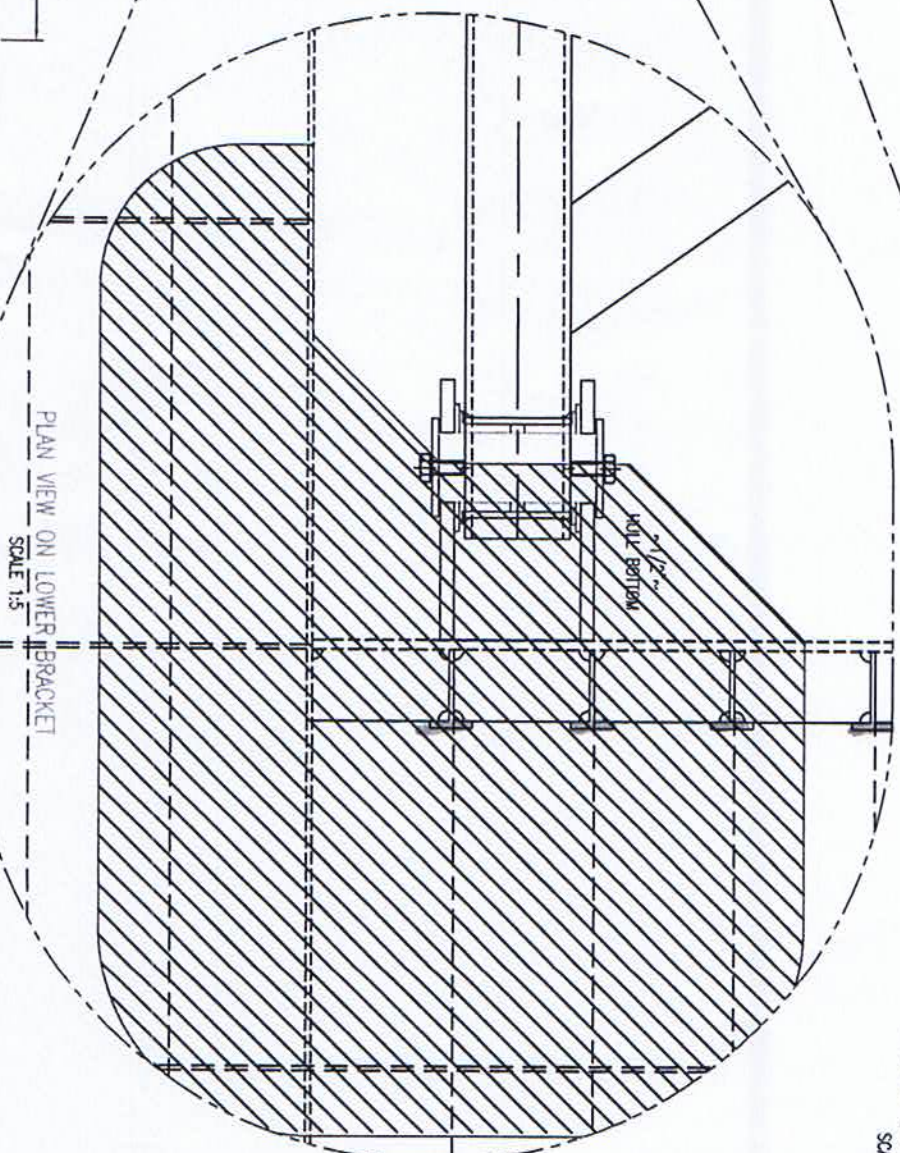
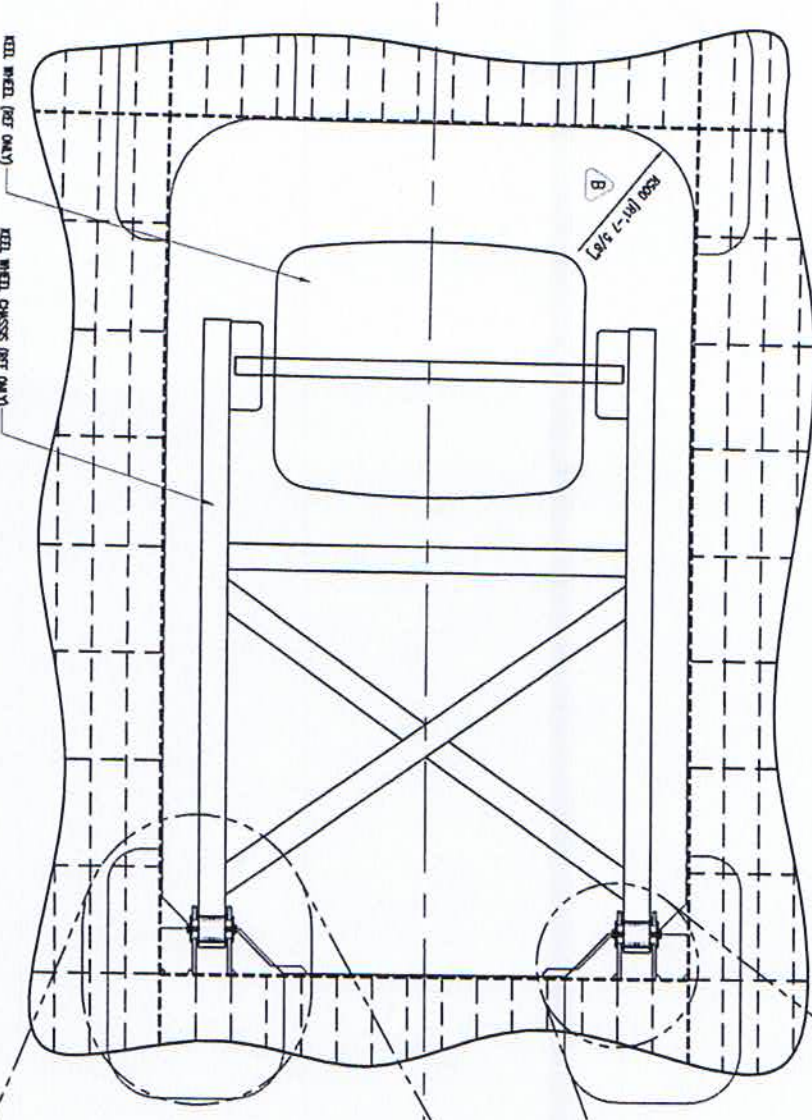
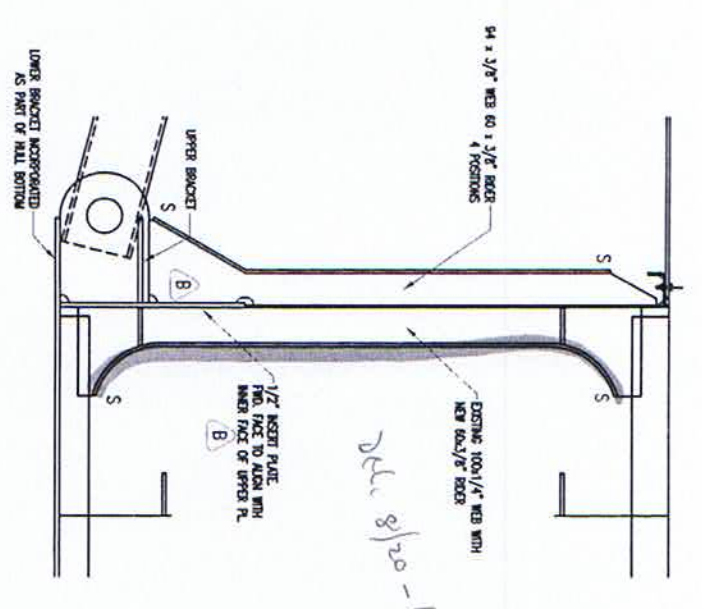
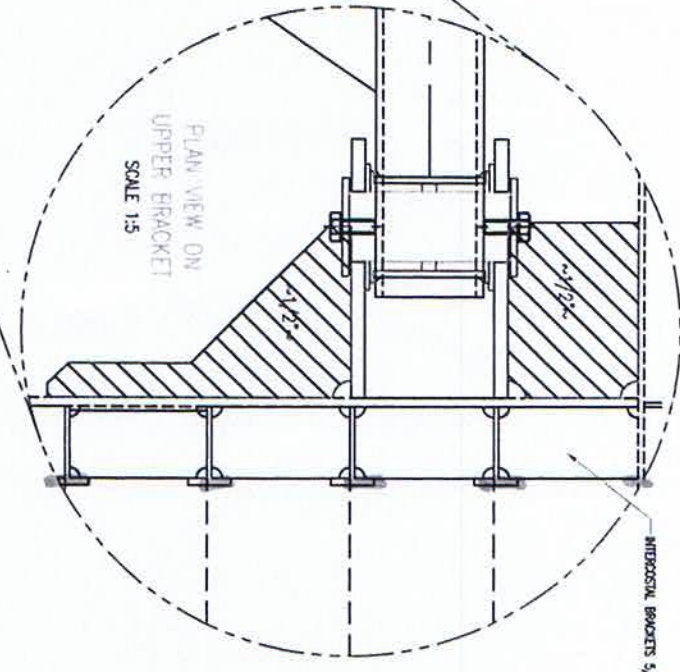
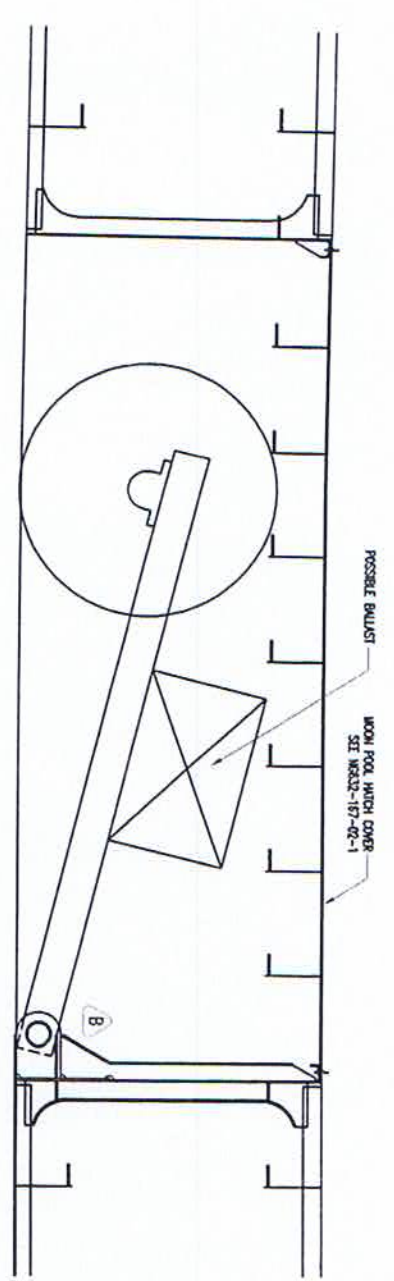


GENERAL NOTES:

1. MATERIAL IS TO BE D436 STEEL UNLESS NOTED OTHERWISE.
2. ALL WELDS TO BE DC.
3. PLATING TO BE 1/2" THICKNESS
4. SLOTS TO BE CUT TO SUIT CORNER SKIRT FRAME AS PER DETAIL B FOR PLUG WELDING.

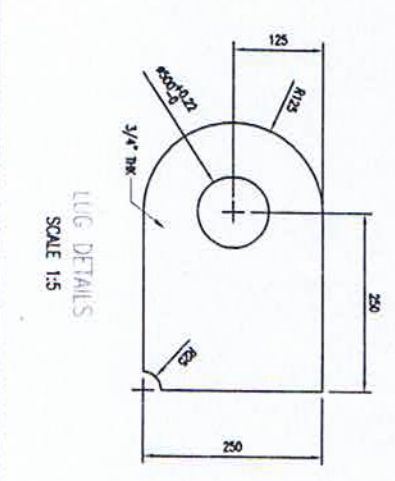
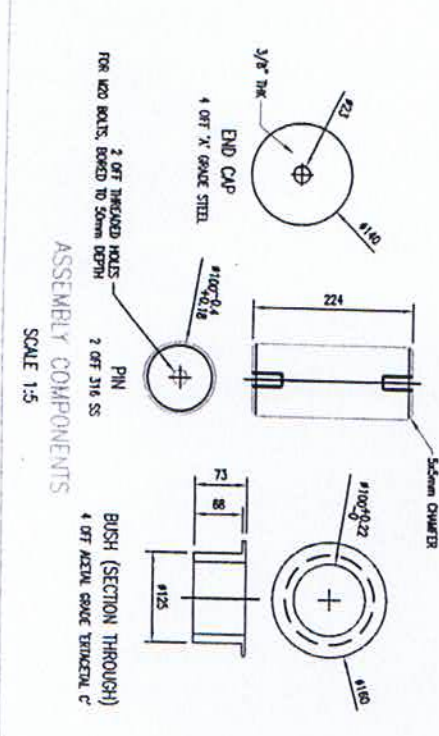
PROJECT : 450 TONNE HOVERBARGE		ISSUE	PRODUCTION ISSUE	24-07-06
CUSTOMER :		MODIFICATIONS		SR
TITLE : CRANE ARRANGEMENT - FOUNDATION		APPROVED BY Client Society		WA
SHEET 2		APPROVED BY Engineering Dept		WA
DRAWN BY : JC		CHECKED BY : SWAL		25/07/06
DATE : 25/07/06				

160-07-2 (1)



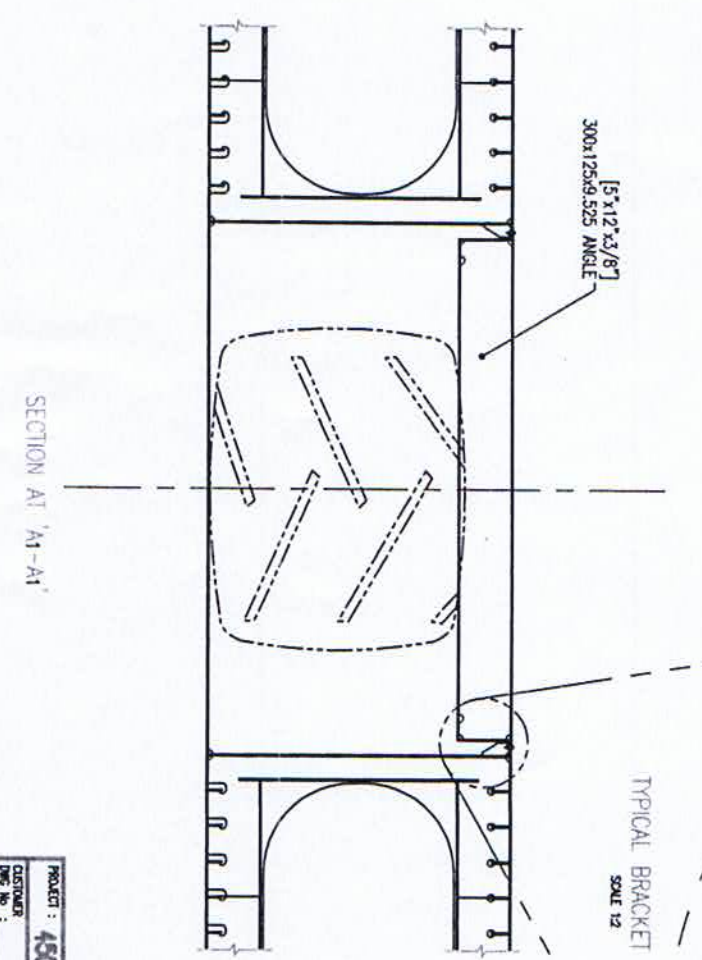
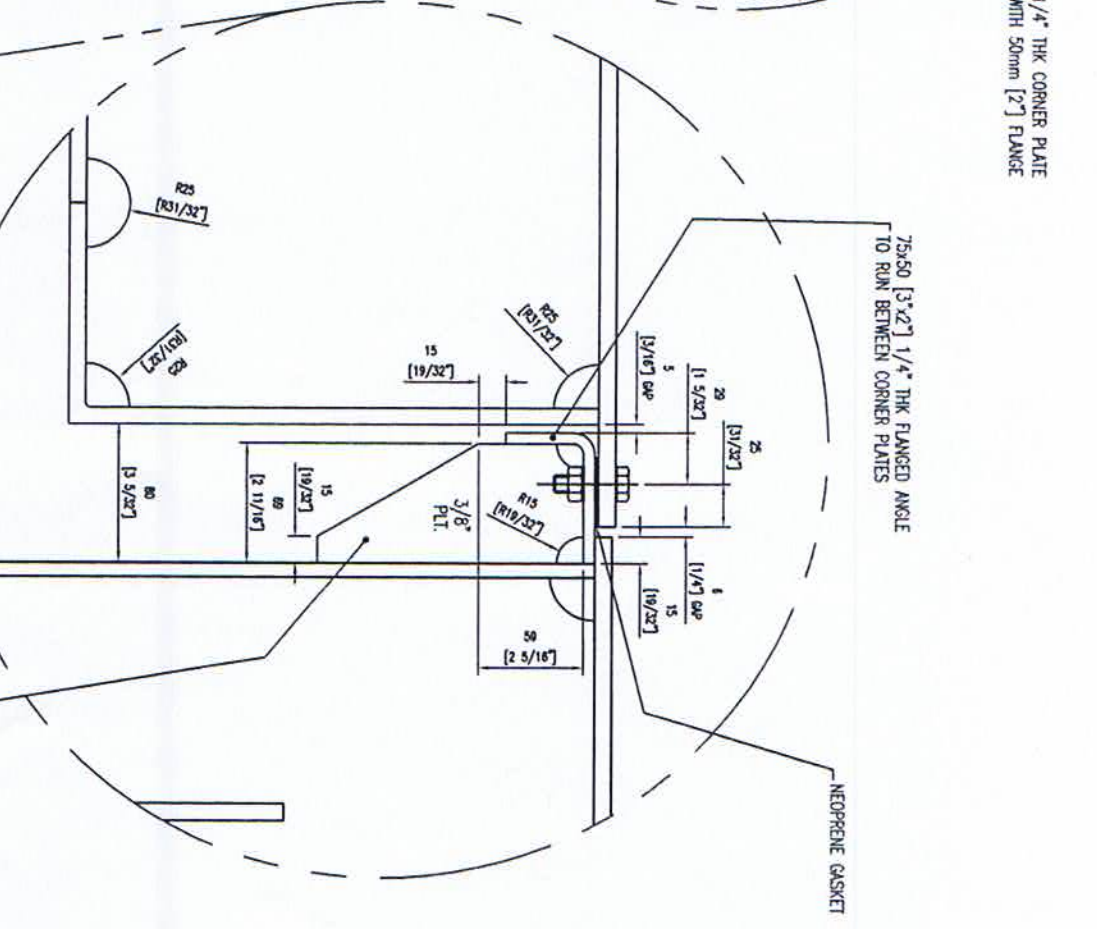
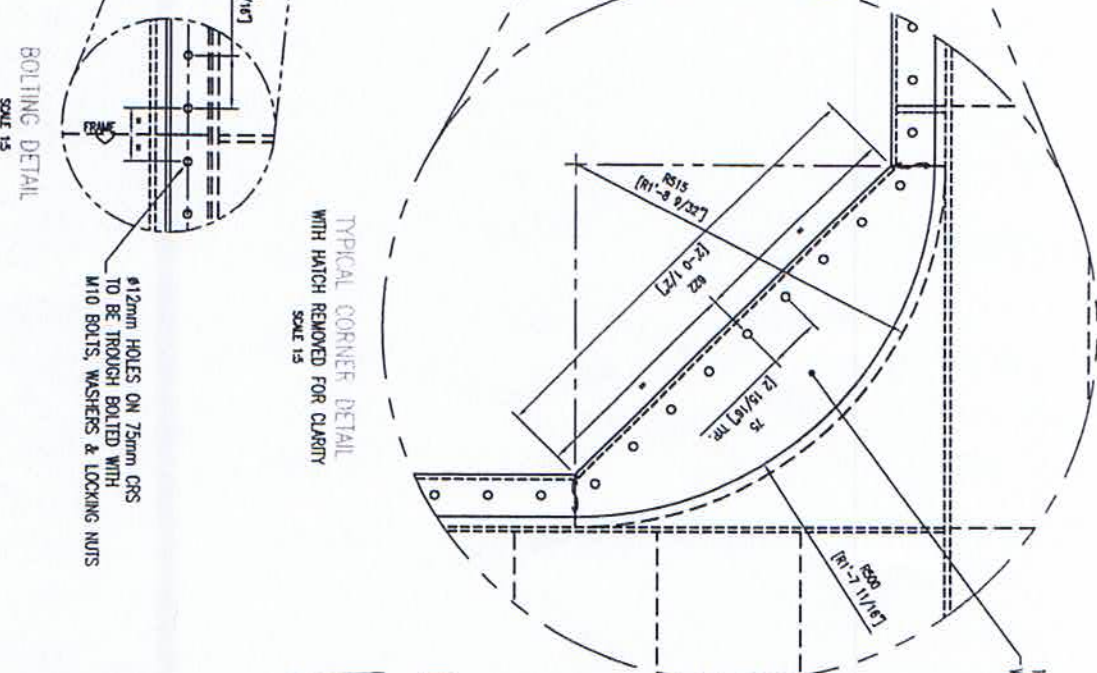
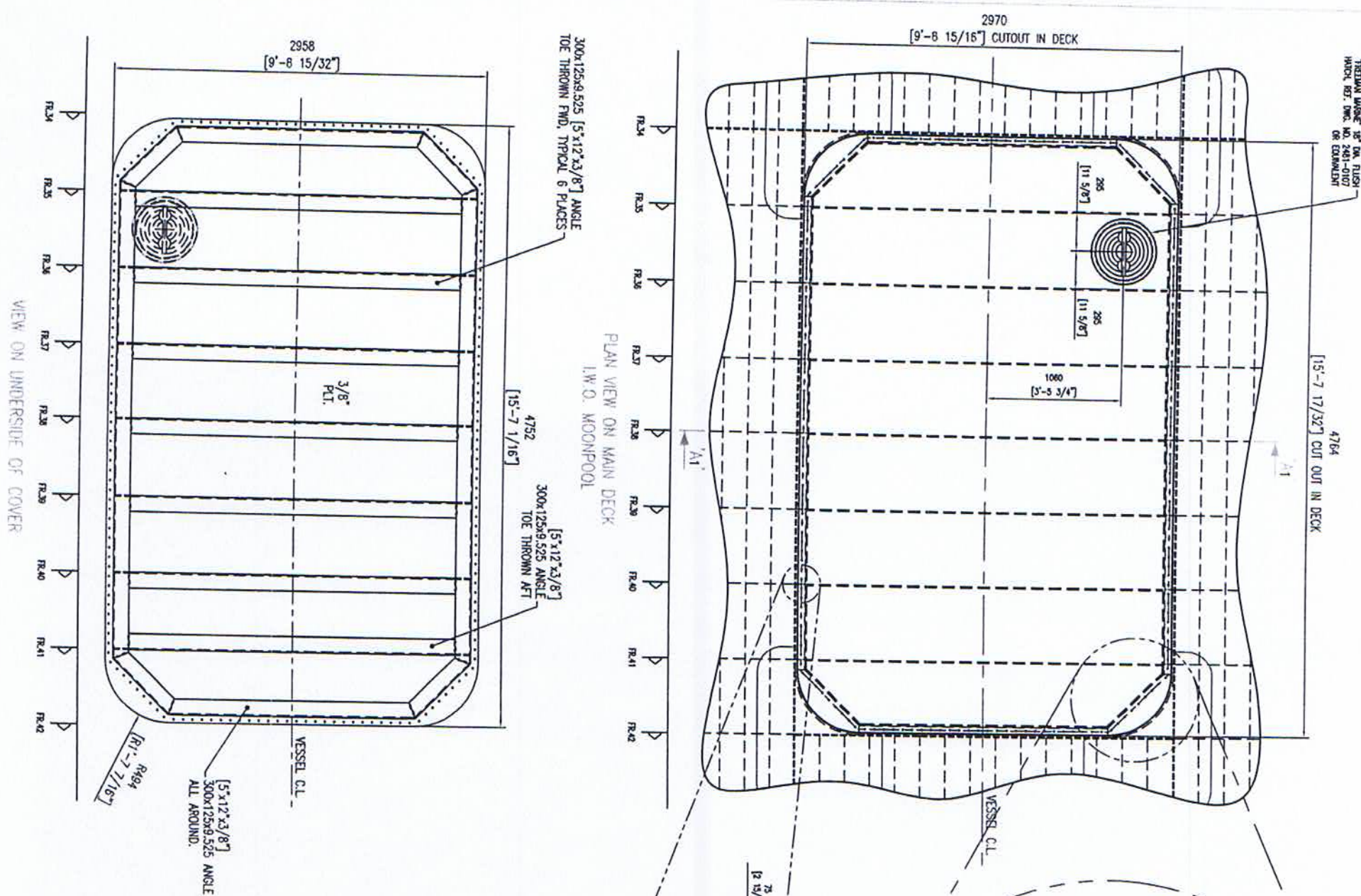
GENERAL NOTES

1. MATERIAL IS TO BE D436 STEEL UNLESS NOTED OTHERWISE.
2. YARD TO PRODUCE APPROPRIATE JIG TO ASSURE ALIGNMENT OF LUG FACES AND PIN HOLE BORES.
3. ALL WELDS TO BE DC.
4. KEEL WHEEL FOUNDATIONS DESIGNED FOR NOMINAL SIDE LOAD OF 187 KN WITH FOS = 5.0 ON ULTIMATE STRENGTH.
5. FOR KEEL WHEEL CHASSIS SEE NGS32-180-08-2.



PROJECT: 490 TONNE HOMEREGARGE		ISSUE: A	REVISIONS THROUGH WORKED:	23-07-08
CUSTOMER: NGS32-180-08-1		ISSUE: A	PRODUCTION ISSUE:	30-07-08
TITLE: KEEL WHEEL ARRANGEMENT		ISSUE: A	APPROVED BY:	TC
DRAWN BY: [Signature]		SCALE: 1:20	DESIGNED BY:	TC
CHECKED BY: [Signature]		DATE: 25/07/08	APPROVED BY:	TC
DATE: 25/07/08		SCALE: 1:20	APPROVED BY:	TC

160-08-1 (1)



PROJECT : 450 TONE HOMERBARGE

CUSTOMER : [REDACTED]

TITLE : MOONPOOL COVER

REV No :	Scale	Issue	DATE
1	1:20	PRODUCTION ISSUE	24-07-08
2	1:20	ACCESS HATCH INCORPORATED	21-07-08
3	1:20	FIRST ISSUE	01-06-08
4	1:20	MODIFICATIONS	25/07/08

Approved by: [REDACTED]

Checked by: [REDACTED]

Drawn by: [REDACTED]

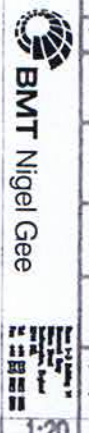
Scale: 1:20

Sheet: 1 of 1

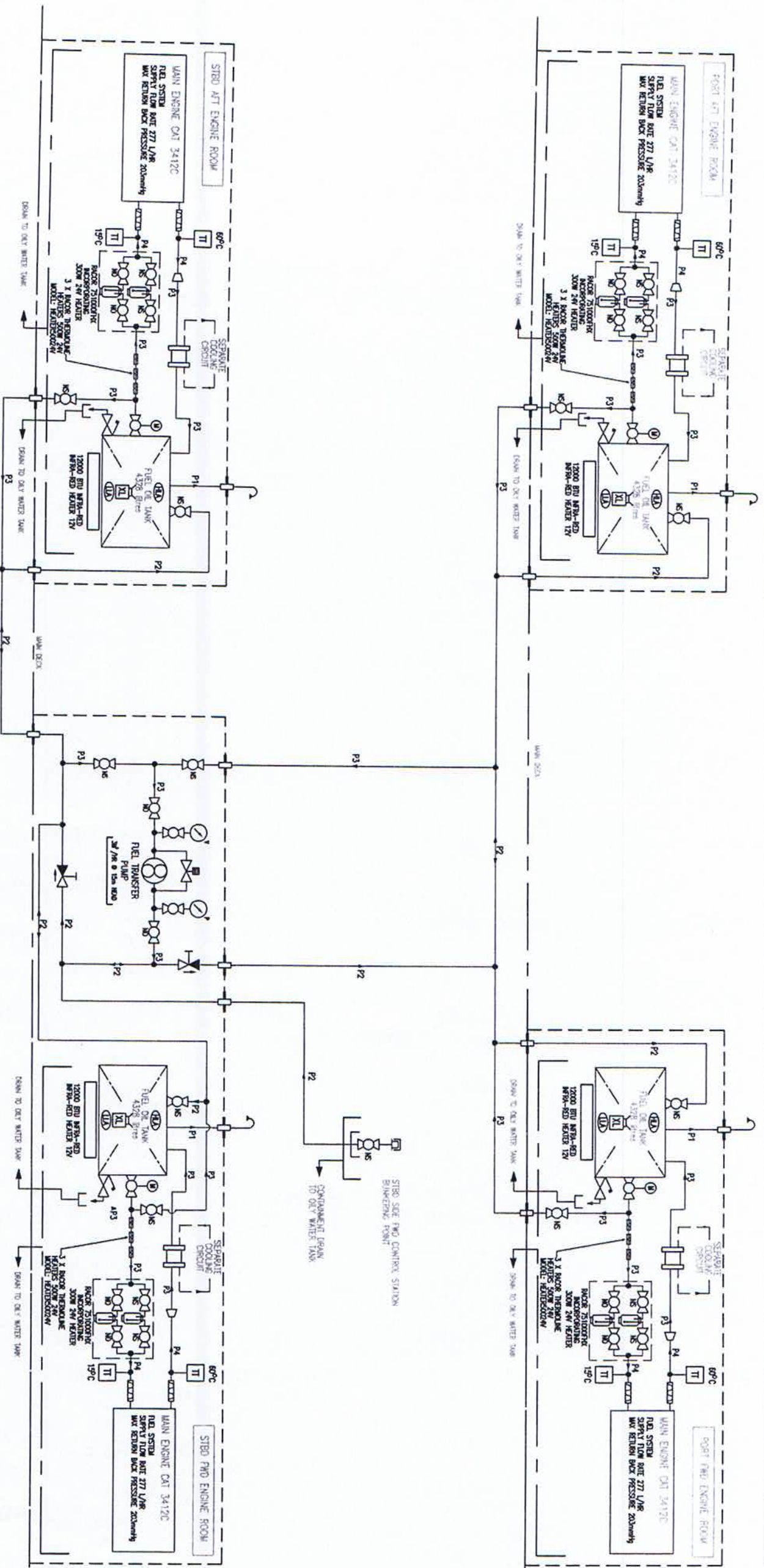
WP

SMAL

25/07/08



167-02-1 (1)



SYSTEM CONDITIONS
 SYSTEM FUEL - DIESEL FUEL OIL MDO GRADE 2
 DIESEL CLOUD POINT -2°C
 MAX. SYSTEM WORKING PRESSURE 1.5 BAR

PIPEWORK MATERIAL
 316 STAINLESS & A106 CARBON STEEL AS STATED

PIPE MARKING
 ALL FUEL PIPES ARE TO BE PAINTED WW
 THE VESSEL SPECIFICATION.
 ALL PRESS ARE TO BE MARKED/COLOR CODED WW
 ISO 14726 AND THE VESSEL SPECIFICATION.

VALVES
 ALL VALVE BODIES TO BE STAINLESS STEEL
 ALL VALVE SPINDLES TO BE STAINLESS STEEL
 VALVES TO BE LABELLED WW VESSEL SPECIFICATION
 LEVEL GAUGES

NOTES
 1. ALL TRANSFER PIPING TO BE SUITABLY LAGGED.
 2. FUEL OIL HEATING IN RACOR 251000HX TO BE USED AS PRE-HEAT SYSTEM BEFORE ENGINE START.
 3. IN-LINE HEATER TO BE AVAILABLE FOR CONTINUOUS SERVICE HEATING OF FUEL OIL CIRCUIT.
 4. FUEL OIL HEATING SYSTEM INCLUDING INFLA-RED TANK HEATING TO BE CONTROLLED BY IN-LINE THERMOSTATS.
 5. SYSTEM CONTROL & DELIVERY FUEL TEMPERATURE TO BE IN ACCORDANCE WITH CATERPILLAR FUEL SYSTEM REQUIREMENT AND ENGINE SPECIFICATIONS.
 6. REFER TO ENGINE MANUFACTURERS STANDARDS FOR COLD STARTING REQUIREMENTS.

7. BUNKERING STATION CONTAMINANT TO COMPLY WITH USCG REGULATION 33CFR 155.320 (A) (2)
8. ALL PIPES AND EQUIPMENT TO BE INSTALLED IN ACCORDANCE WITH THE VESSEL BUILDING SPECIFICATION
9. ALL PIPING TO BE ROUTED SO THAT IT IS PROTECTED AGAINST MECHANICAL DAMAGE
10. ALL PIPING MUST BE CLEAN PRIOR TO INSTALLATION
11. PIPE BENDS TO BE 3 X PIPE NOMINAL UNLESS OTHERWISE NOTED
12. NO FLANGES, COUPLINGS OR PIPE CONNECTIONS ARE TO BE INSTALLED BEHIND LININGS OR ELECTRICAL BOXES
13. ALL FLANGES TO BE DN CLASS 2501 SLIP ON TYPE U.S.
14. ALL BUTT WELD FITTINGS TO BE IN ACCORDANCE WITH EN 10253-1:1999
15. PENETRATIONS OF PIPES THROUGH BULKHEADS, DECKS AND TANK TOPS WILL BE MADE SUCH THAT THE INTEGRITY OF THE BULKHEAD, DECK OR TANK TOP IS MAINTAINED.
16. ALL HIGH PRESSURE LINES SHALL BE JACKETED, HAVE ADEQUATE DRAINAGE PROVIDED AND BE ALIGNED.
17. FUEL PIPING CONNECTIONS TO ENGINES SHALL BE ADEQUATELY SHEATHED.

ASSOCIATED DRAWINGS
 NGS32-601-01-1 GENERAL ARRANGEMENT
 NGS32-505-01-1 MECHANICAL SYSTEMS SYMBOLS LEGEND

EQUIPMENT SYMBOLS TO ASTM F1000 - 95
 REFER TO SYMBOLS LEGEND FOR NON STANDARD SYMBOLS

PIPE SIZE TABLE

PIPE REFERENCE	MATERIAL	PIPE SIZE	WGT/LF
P1	A106 CS	DN100 x Sch 40 (4.27)	18.07
P2	A106 CS	DN60 x Sch 40 (3.48)	11.27
P3	316 SS	DN60 x Sch 10 (2.27)	2.1
P4	316 SS	DN60 x Sch 10 (2.11)	1.3

UNCONTROLLED COPY
 NOT TO BE USED FOR MANUFACTURE

Project: 450 TONNE HONGBERGE

Customer: BMT Nigel Gee

Title: PIPING SYSTEM SCHEMATIC

Issue: A

Scale: NTS

Date: 29/05/08

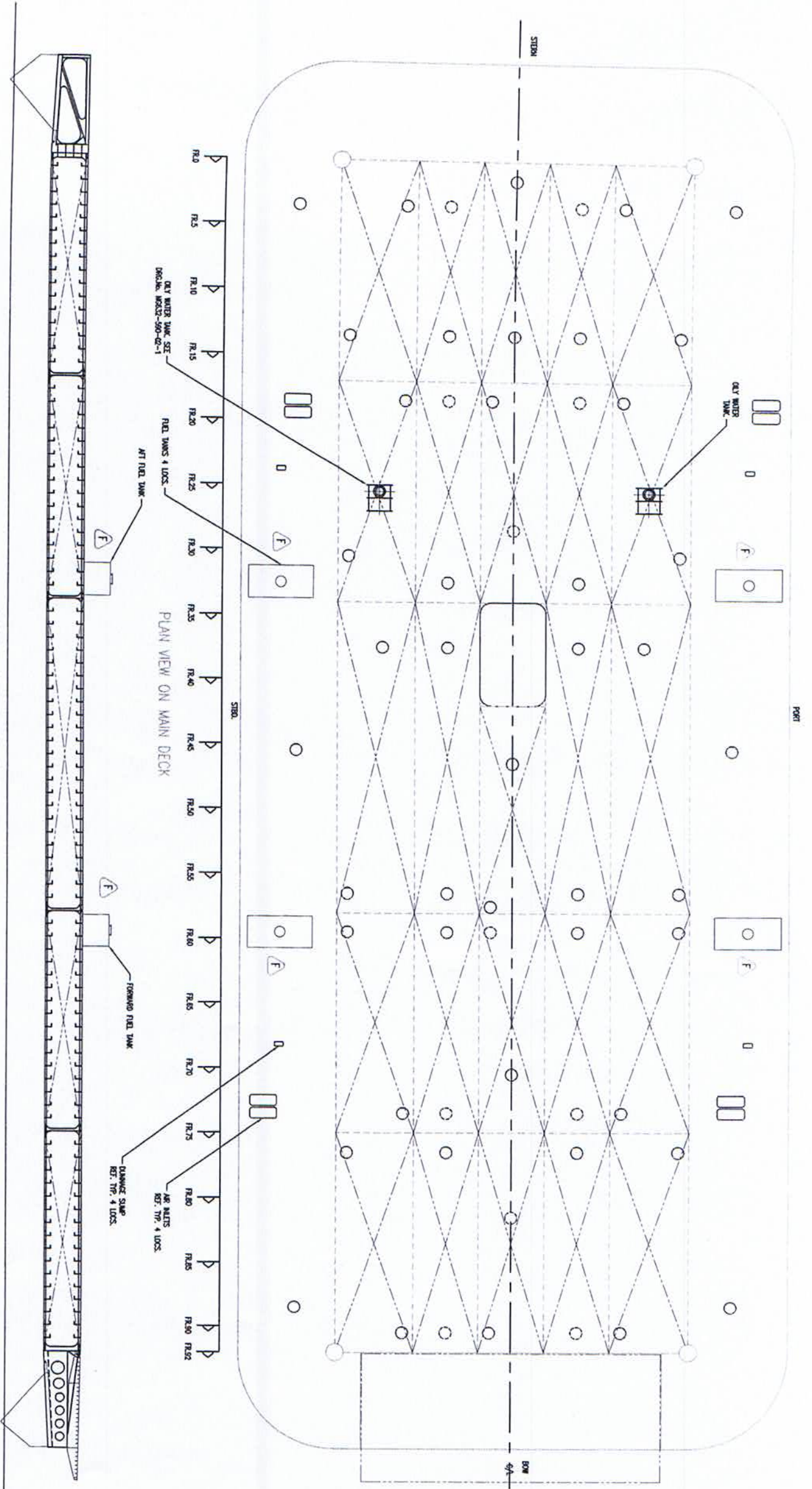
Drawn By: JF

Checked By: PS

Approved By: [Signature]

MOI DATE: 29/05/08

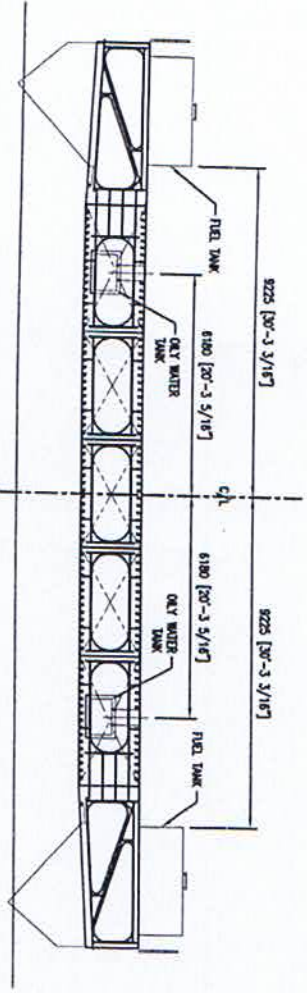
261-01-1 A



PLAN VIEW ON MAIN DECK

SECTION AT 2000 OFF CENTRELINE
(LOOKING TO PORT)

SECTION AT MIDSHIPS
(LOOKING AFT)



FOR VENT PIPING SEE DRG. NO. NG632-506-01-1

TANK CAPACITIES

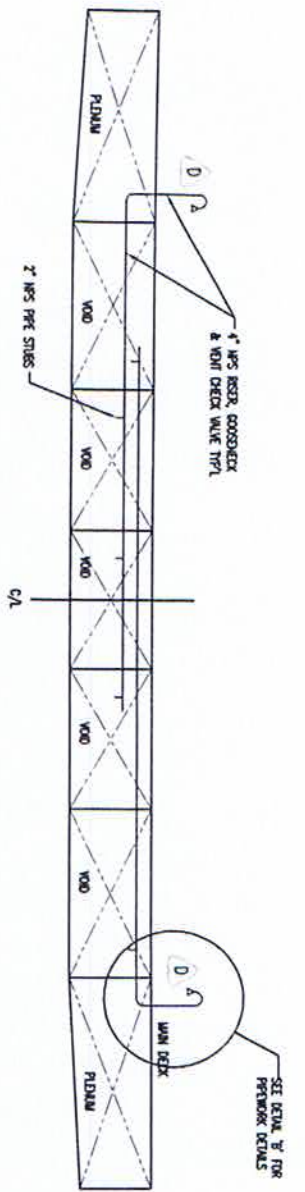
	PER TANK	No. OFF	TOTAL CAPACITY
FUEL TANKS	5300 LITRES 1400 GALLS.	4	21200 LITRES 5600 GALLS.
OILY WATER	700 LITRES 181 GALLS.	2	1400 LITRES 362 GALLS.

PROJECT: 450 TONNE HOMEREGARCE
 CUSTOMER: BMT NIGEL GEE
 TITLE: TANK PLAN
 DWG No.: NG632-500-01-1
 Scale: 1:50
 SHEET 1 OF 1

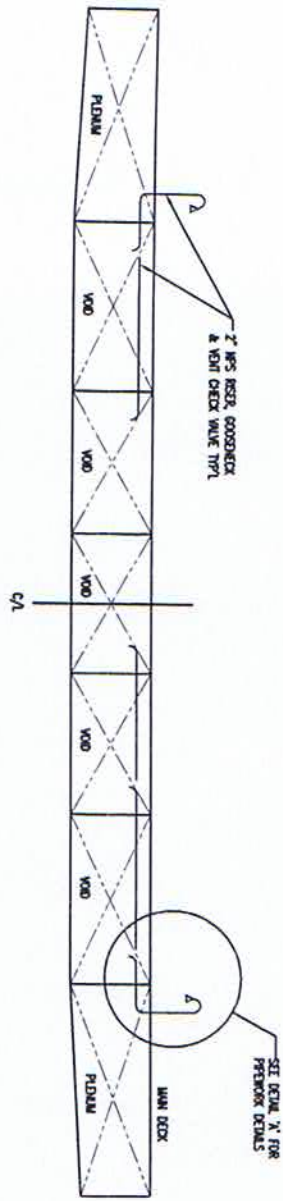
NO.	DESCRIPTION	DATE
1	ISSUE FOR PRODUCTION	22-07-08
2	REVISION	02-04-08
3	REVISION	12-02-08
4	REVISION	15-01-08

APPROVED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 25/07/08

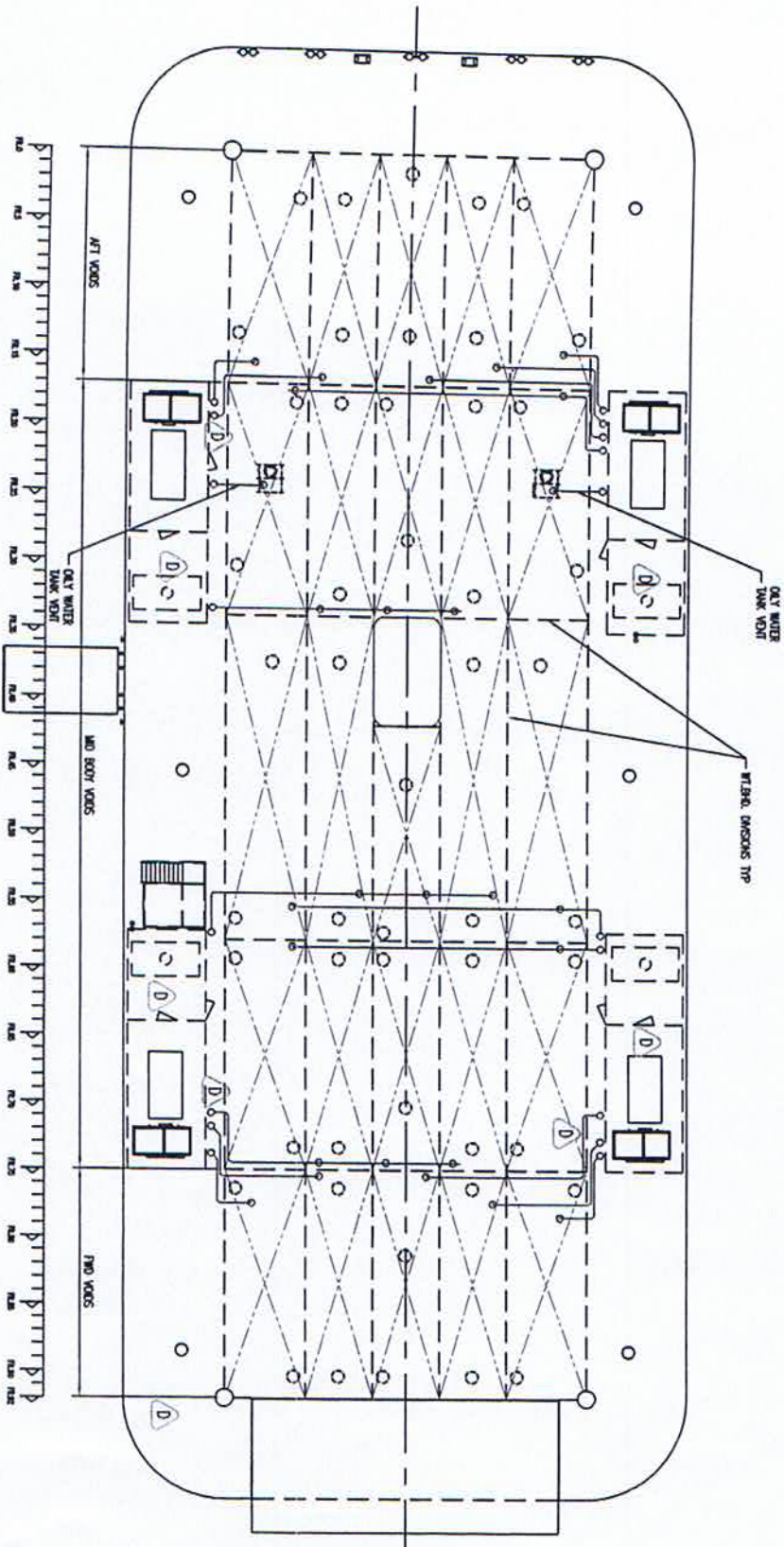
500-01-1 (1)



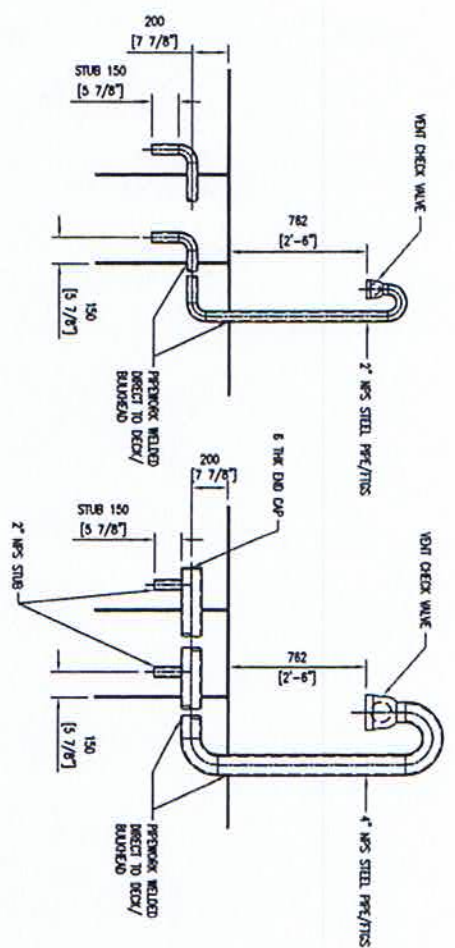
SECTION THRO' MID BODY VOIDS
(MAIN DECK EQUIPMENT REMOVED FOR CLARITY)
SCALE 1/15



SECTION THRO' FWD & AFT VOIDS
(MAIN DECK EQUIPMENT REMOVED FOR CLARITY)
SCALE 1/15



PLAN ON MAIN DECK
SCALE 1:50



DETAIL 'A'
SCALE 1:5

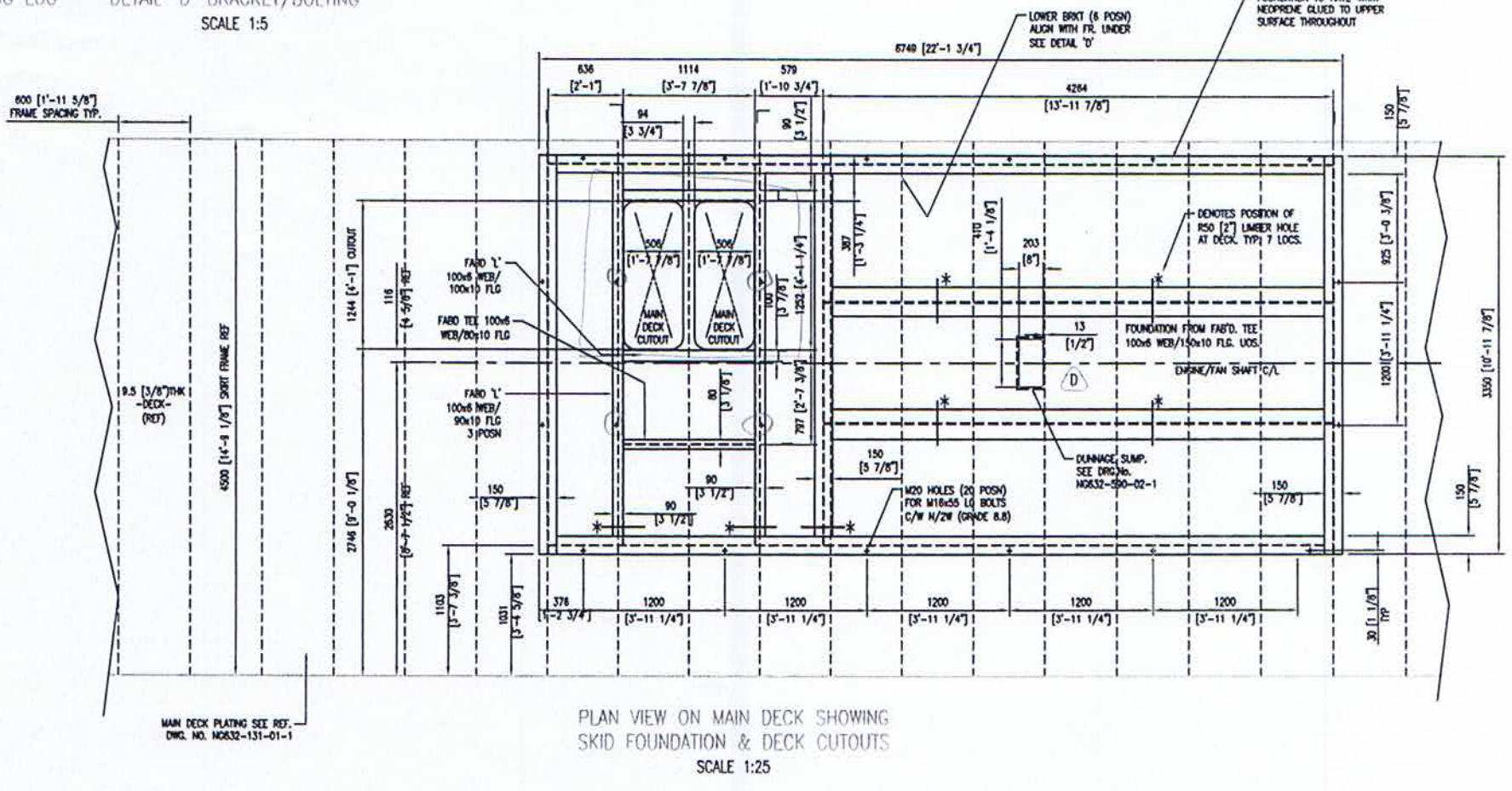
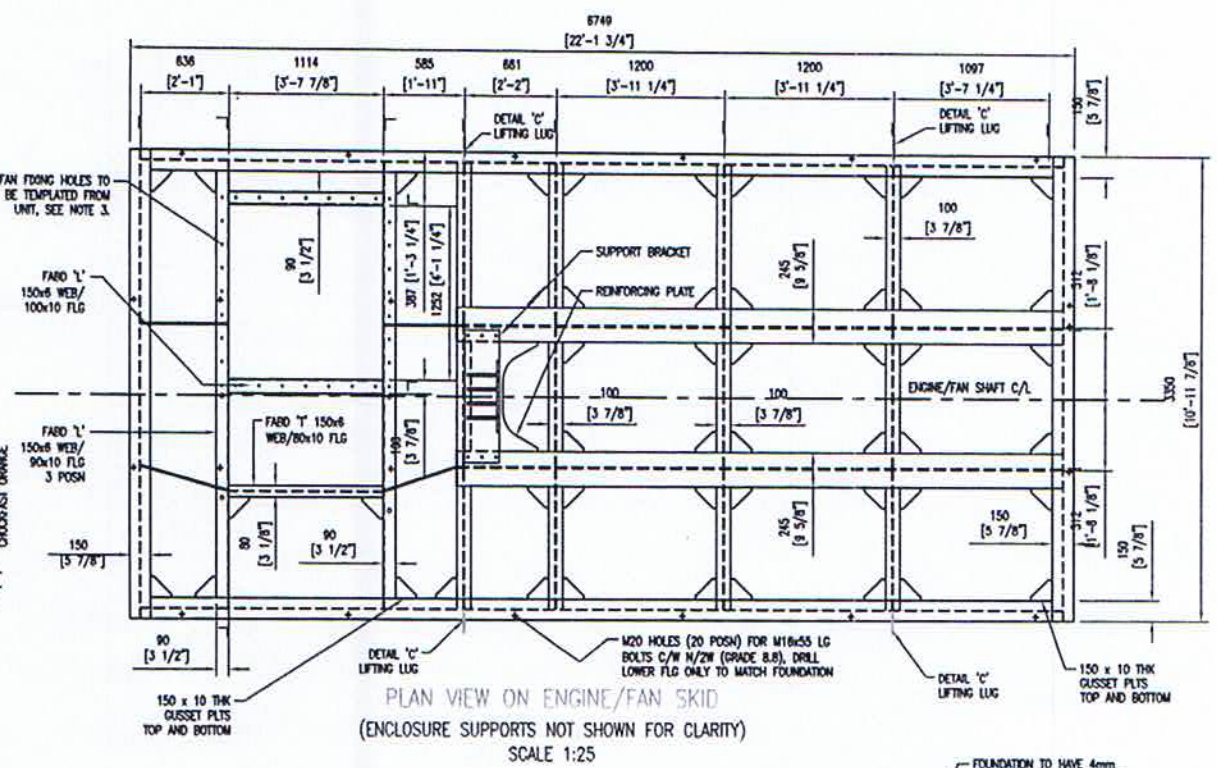
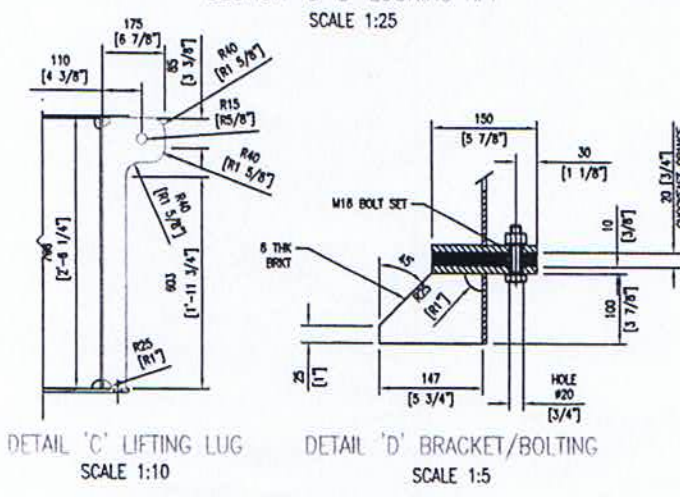
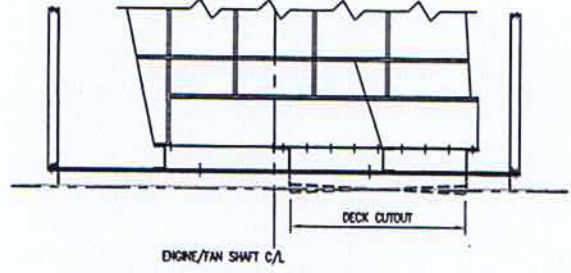
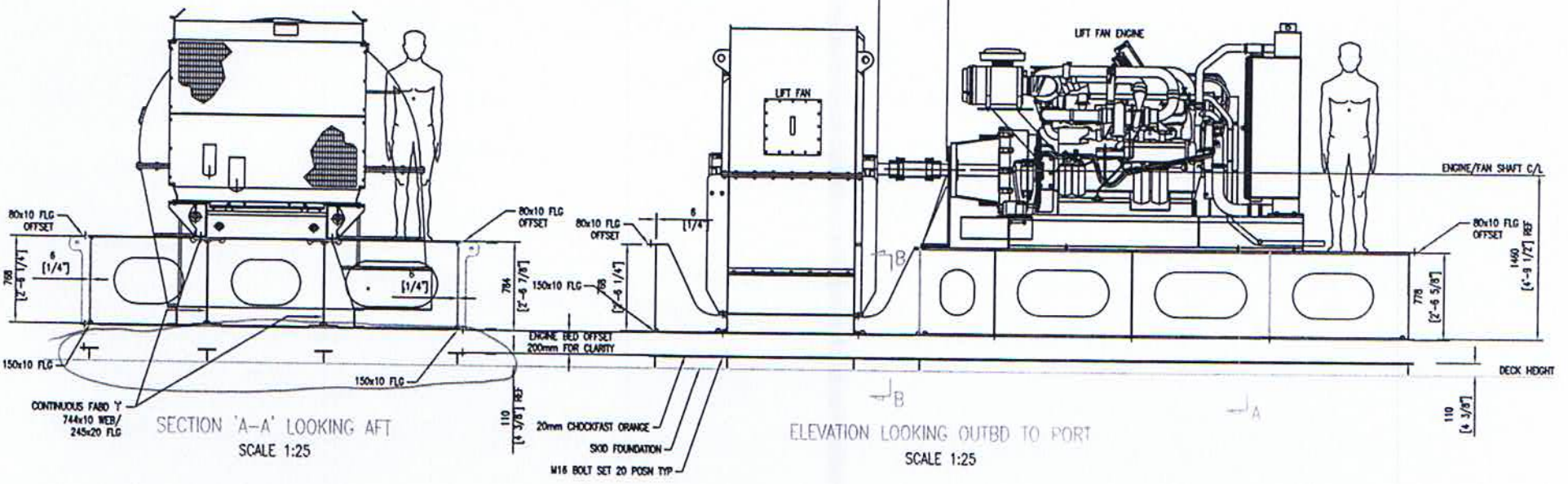
DETAIL 'B'
SCALE 1:5

NOTES:

1. ALL STEEL TO BE GRADE D36, CERTIFIED BY ABS CLASSIFICATION SOCIETY.
2. WELDING TO BE IN ACCORDANCE WITH DRAWING NO. NGS32-104-01-1.
3. ALL PREWORK FITTINGS TO BE OF WELDED TYPE.
4. PREWORK SUPPORTS/POSITION DETERMINED BY YARD.

PROJECT: 450 TONNE HOWEBARGE		SCALE: A	
CUSTOMER: HOWE		SCALE: B	
TITLE: AUXILIARY SYSTEMS: VENT. PIPING		SCALE: C	
DRAWING NO.: NGS32-506-01-1		SCALE: D	
Sheet	1	Scale	1:100
d. No.	2	Rev.	RD
Scale	1:100	Drawn By	SWL
Rev.	1	Checked By	SWL
Scale	1:100	Drawn By	SWL
Rev.	1	Checked By	SWL
Scale	1:100	Drawn By	SWL
Rev.	1	Checked By	SWL

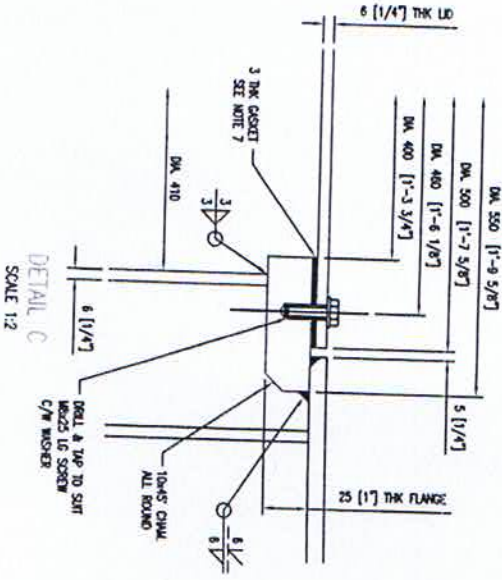
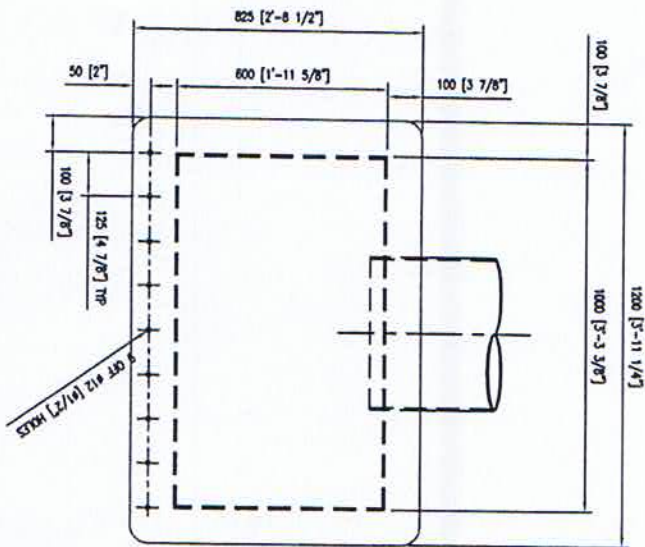
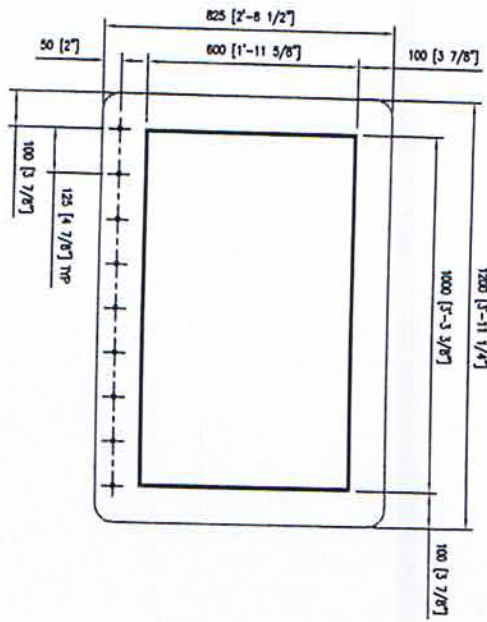
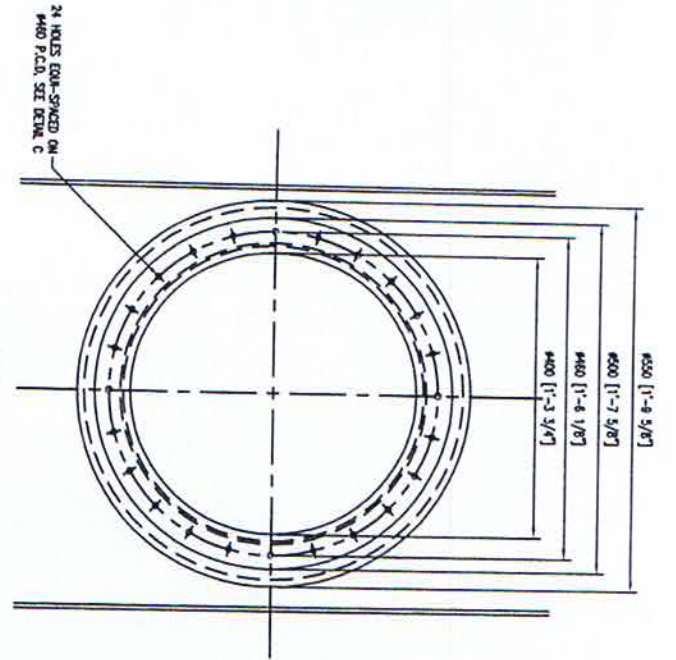
SHAFT LENGTH AFT OF COUPLING INCREASED 500 FOR MAINT. ACCESS. (SEE ENGINE AND FAN MOUNTING ARRGT. DWG. REF. 1008-120-01 REV'D 11-12-07)



- NOTES:**
1. MANUFACTURER IS RESPONSIBLE FOR ENSURING CORRECT HANDING OF ENGINE/FAN/SKID INSULATION
 2. MANUFACTURE RESPONSIBLE FOR ALIGNMENT PROCEDURE
 3. ALL STEEL TO BE GRADE DH36, CERTIFIED BY LLOYDS REGISTER CLASSIFICATION SOCIETY.
 4. WELDING TO BE IN ACCORDANCE WITH DRAWING No. NG632-104-01-1.
 5. FAN SUPPLIED BY WOODCOCK & WILSON LIMITED.
 6. FINAL POSITIONS OF CUT-OUTS. EQUIPMENT TO BE TAKEN FROM GEN. ARRGT. DWG.No. NG632-601-01-1

PROJECT: 450 TONNE HOVERBARGE	1	DUNNAGE SLIMP ADDED. PRODUCTION ISSUE	23-07-08 CMC.
CUSTOMER: NG632-590-01-1	ISSUE	MODIFICATIONS	MOD DATE
TITLE: FAN FOUNDATION AND INSTALLATION		Approved by Class Society	SWA
		Approved by Regulatory Body	SWA
		Approved by Customer	SWA
DWG No: NG632-590-01-1	Sheet 1 of 1	Issue 1	Scale 1:25
	Drawn By RQ	Checked By SWAL	Checked Date 25/07/08

590-01-1 (1)

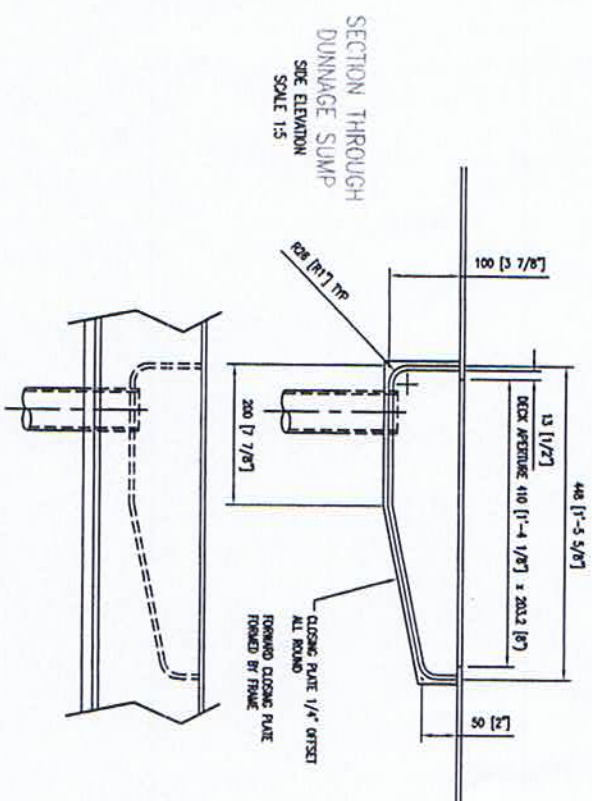
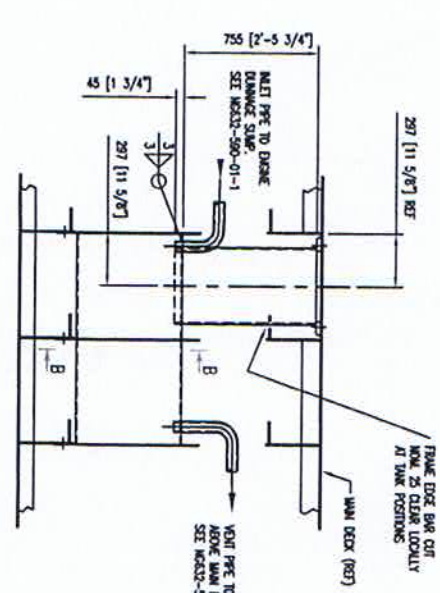
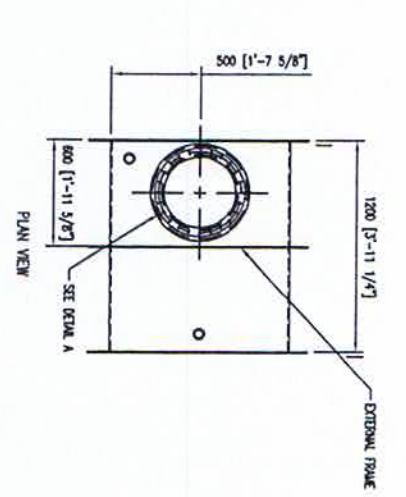


NOTES :-

1. FABRICATE TANK FROM STEEL GRADE ASK 350, CERTIFIED BY AWS CLASSIFICATION SOCIETY.
2. ALL WELDING TO BE DO FOR WATERTIGHT BONDING, BUTTS AND JOINTS TO BE STITCH WELDED.
3. TANK TO BE CLEANED AND REGRINDED AFTER MANUFACTURE.
4. ALL BURS AND ROUGH EDGES TO BE REMOVED.
5. TANK TESTING TO BE 1.00m HEAD WATER GAUGE.
6. 2 OF EACH TANKS REQUIRED PER CHART.
7. INSPECTION WITH COVER CLOSED MATERIAL TO BE MEASURED RIGIDLY TO DIMENSIONS.
8. ALL FINISHING FROM THE UNLESS SAID.

DRAWING REFERENCE:

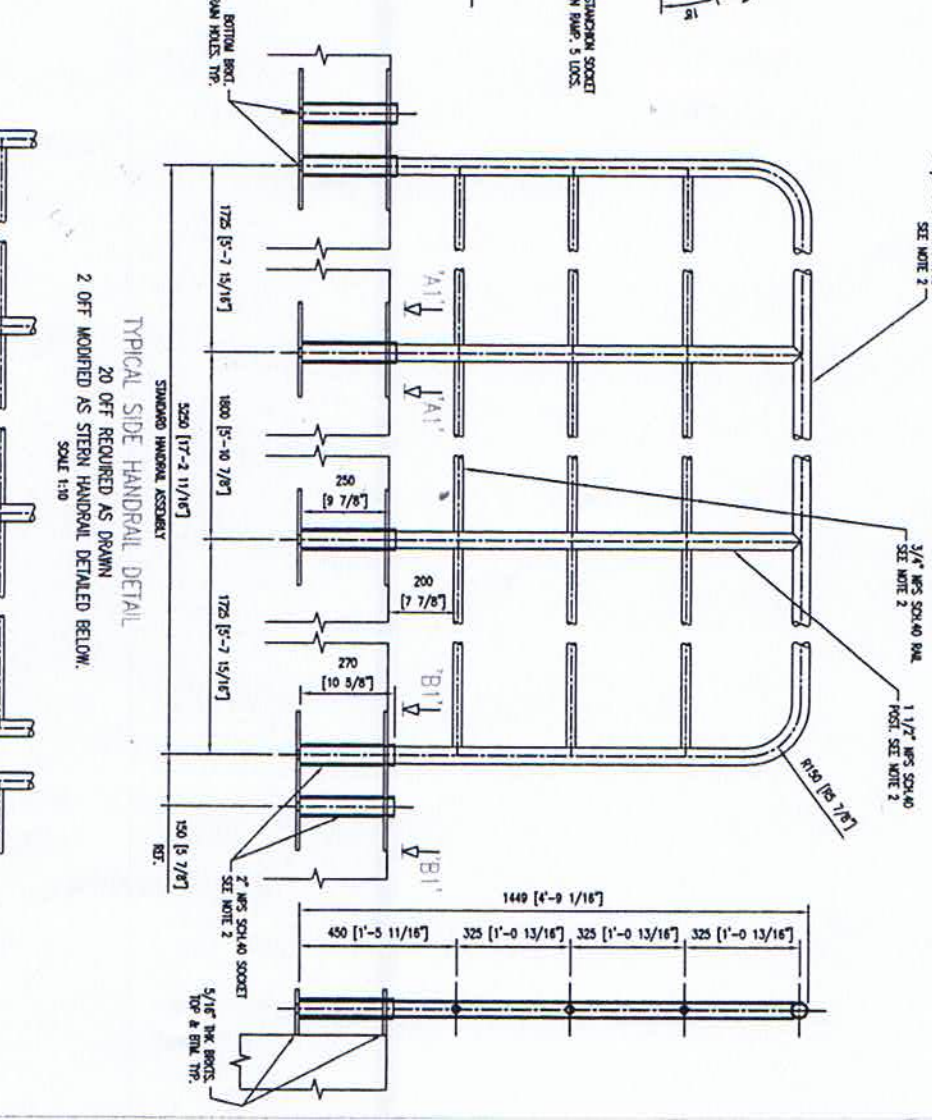
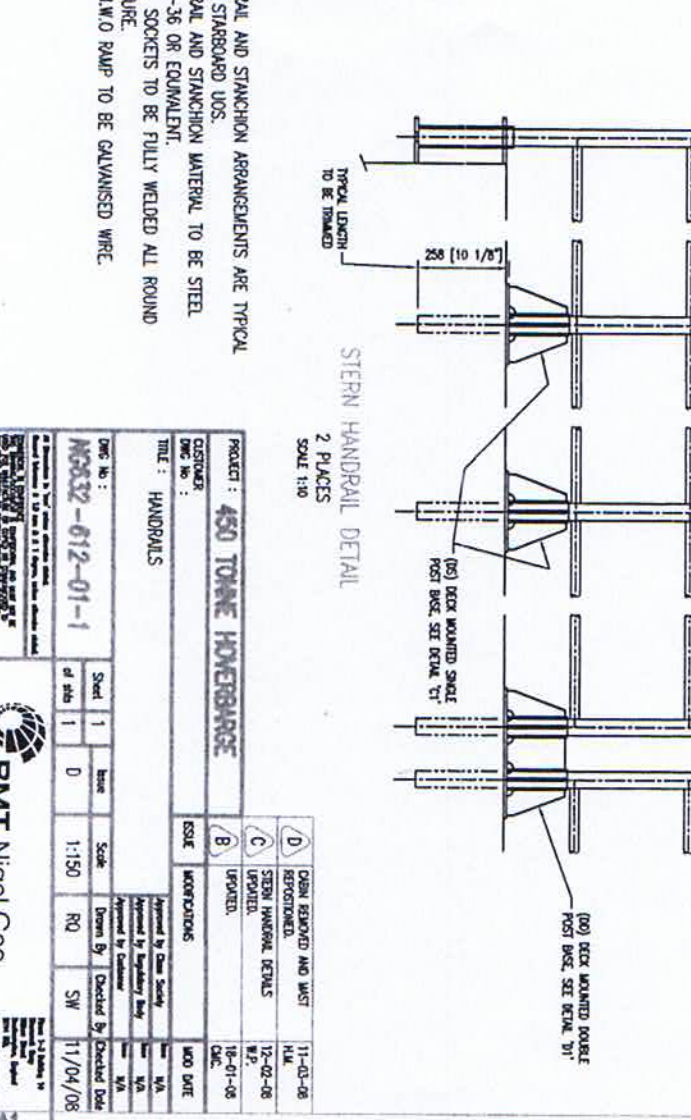
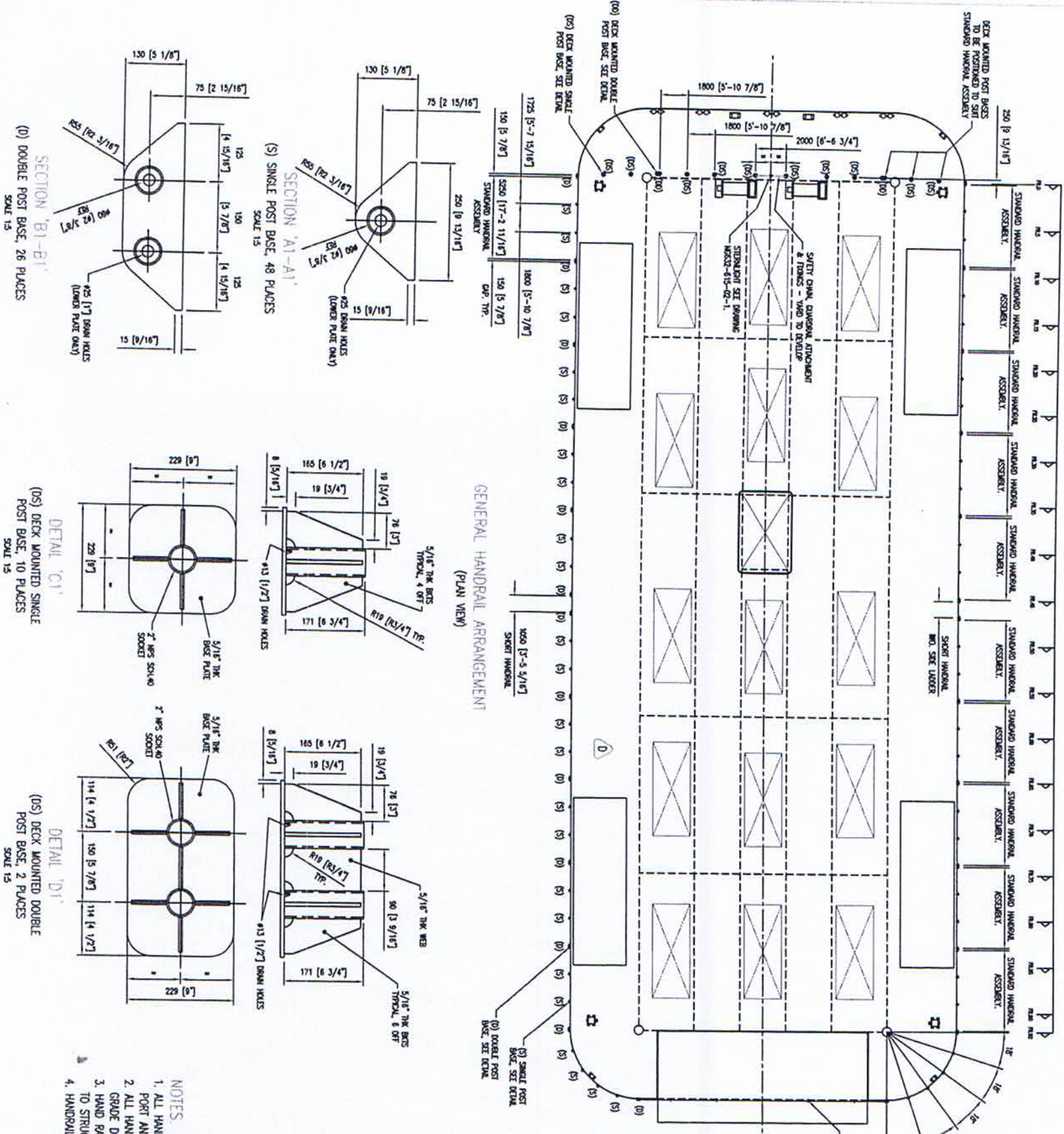
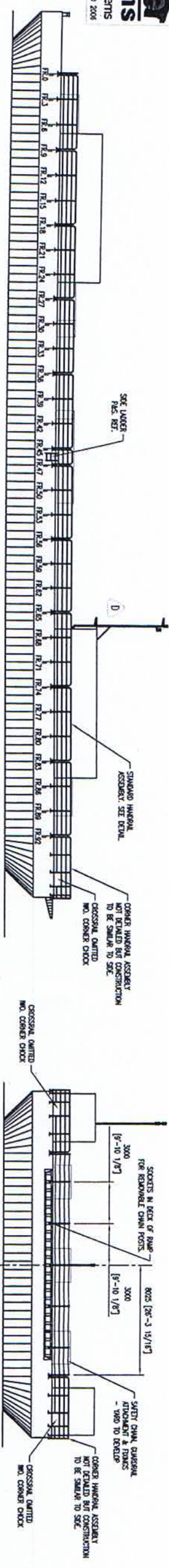
- MS213-104-01-1 WELDING BOOKLET
- MS213-500-01-1 TANK PLAN



PROJECT : 450 TONNE HOVERSPACE		PRODUCTION ISSUE	
CUSTOMER Dwg No :	MS213-590-02-1	ISSUE	1
TITLE :	OILY WATER TANK	APPROVED BY :	MD DATE
DWG No :	MS213-590-02-1	APPROVED BY :	MD DATE
Sheet	1	Checked by :	MD DATE
of sheets	1	Checked by :	MD DATE
Scale	1:25	Checked by :	MD DATE
RD		Checked by :	MD DATE
SWAL	25/07/08	Checked by :	MD DATE



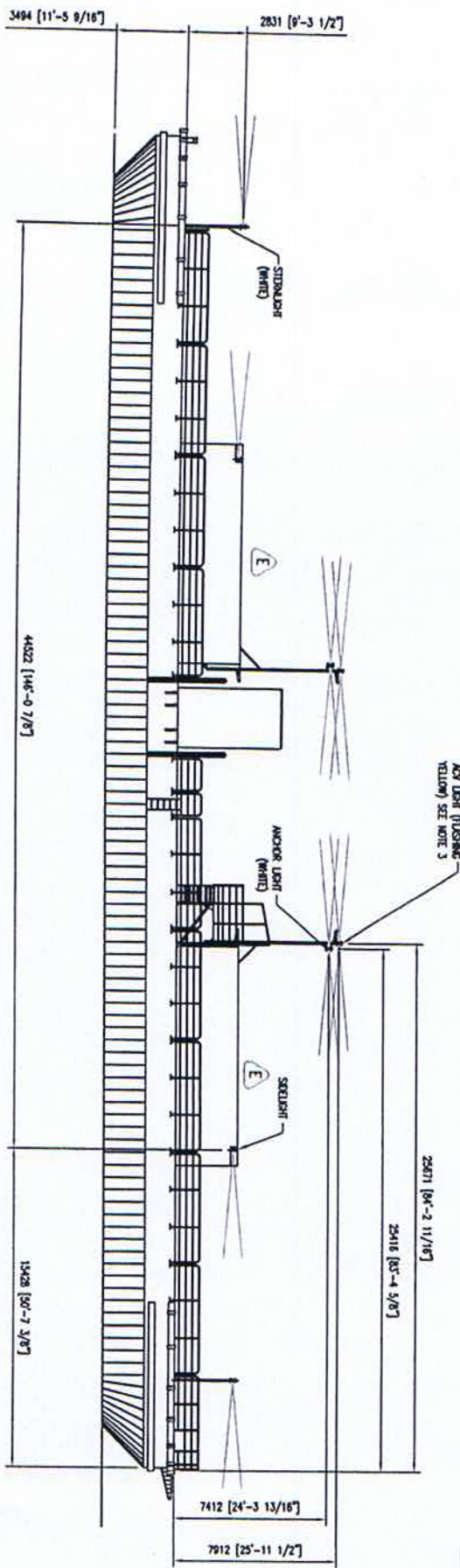
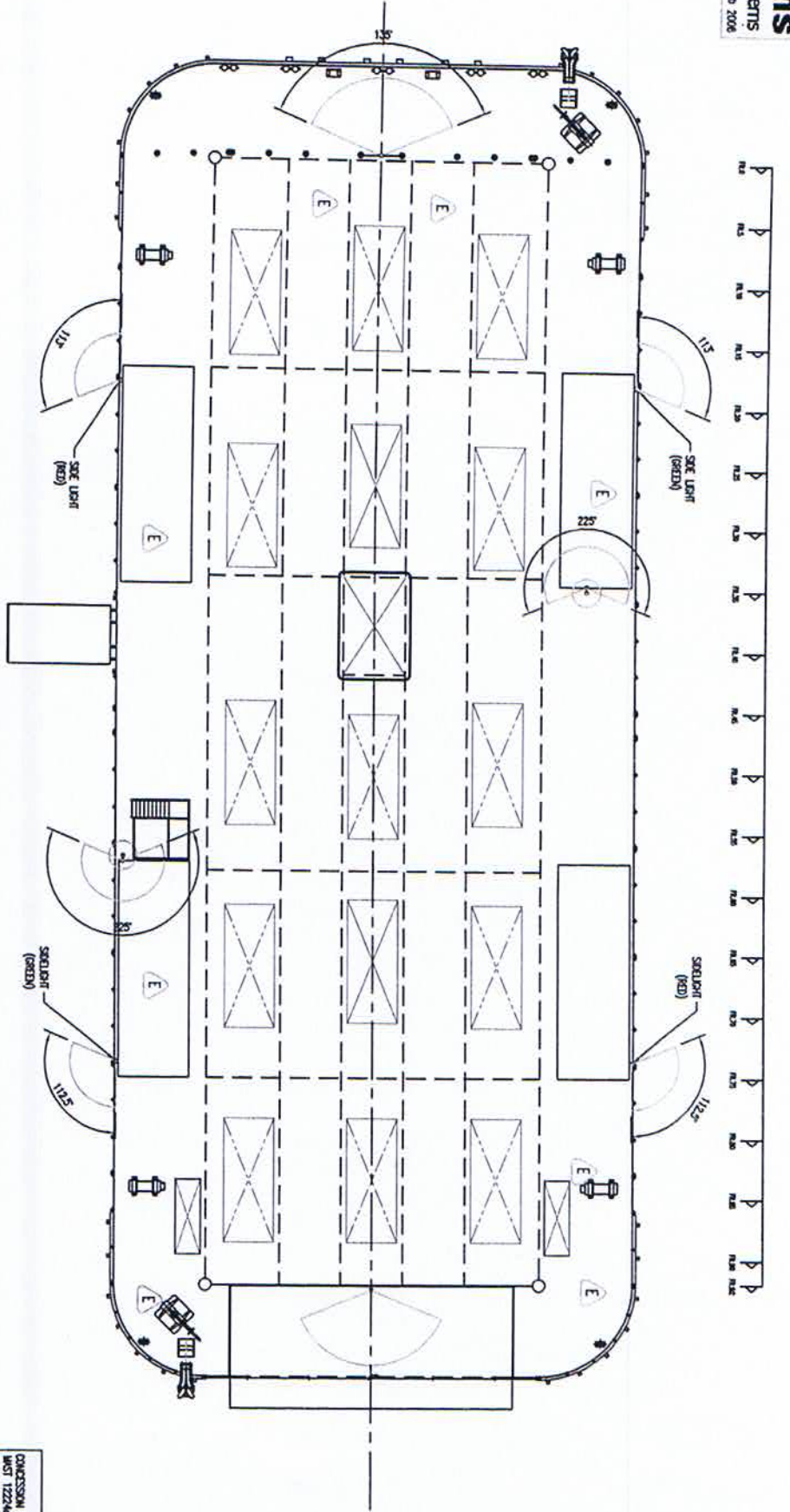
590-02-1 (1)



- NOTES
1. ALL HANDRAIL AND STANCHION ARRANGEMENTS ARE TYPICAL PORT AND STARBOARD USE.
 2. ALL HANDRAIL AND STANCHION MATERIAL TO BE STEEL GRADE DH-36 OR EQUIVALENT.
 3. HAND RAIL SOCKETS TO BE FULLY WELDED ALL ROUND TO STRUCTURE.
 4. HANDRAIL L.W.O RAMP TO BE GALVANISED WIRE.

PROJECT: 450 TONNE HONKERSARGE		DATE: 11-03-08	
CUSTOMER: BMT NIGEL GEE		DATE: 12-02-08	
TITLE: HANDRAILS		DATE: 18-01-08	
DRAWN: [Name]		DATE: 11/04/08	
CHECKED: [Name]		DATE: []	
SCALE: 1:150		SCALE: RQ	
SHEET: 1		SHEET: SW	
DWG NO: M0332-612-01-1		DWG NO: []	

612-01-1 (D)

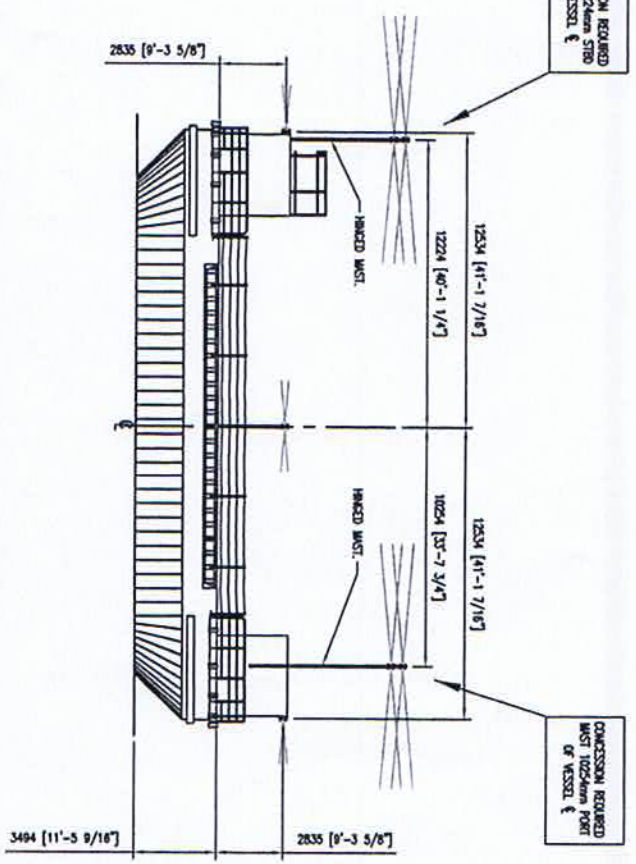


PROFILE VIEW ON STBD

LIGHT RANGES

LIGHT	RANGE (MILES)
MASTHEAD LIGHT	5
SIDE LIGHT	2
STERN LIGHT	2
TOWING LIGHT	2
WHITE, RED, GREEN OR YELLOW ALL-ROUND LIGHT	2

- NOTES:
1. NAVIGATION LIGHTS POSITIONED IN ACCORDANCE WITH CONVENTION ON THE INTERNATIONAL REGULATIONS FOR PREVENTING COLLISIONS AT SEA, 1972, AS AMENDED (COLREGS) WITH THE EXCEPTION OF NAVIGATION LIGHT POSITIONS REQUIRED CONCESSARILY AS SHOWN.
 2. SIDE LIGHTS TO BE SPREAD TO MEET REQUIREMENTS OF ANEX 1, SEC 8 (a)(1).
 3. ALL LIGHTS TO BE FLASHING YELLOW TYPE AS PER RULE 23 (a). FLASHING PERIOD TO BE 120 FLASHES PER MINUTE PER RULE 21 (f).
 4. DONTON SIGNALS TO COMPLY WITH ANEX 4 (f). WHISTLE AND BELL TO BE PROVIDED AND COMPLY WITH ANEX 3.
 5. NAVIGATION LIGHTS TO BE SPREADABLE TO ALLOW RANGE TO BE TOWED IN EITHER DIRECTION.



PROJECT: 450 TONNE HOMEBOAT

CUSTOMER: MCR 32-615-02-1

TITLE: NAVIGATION LIGHT ARRANGEMENT

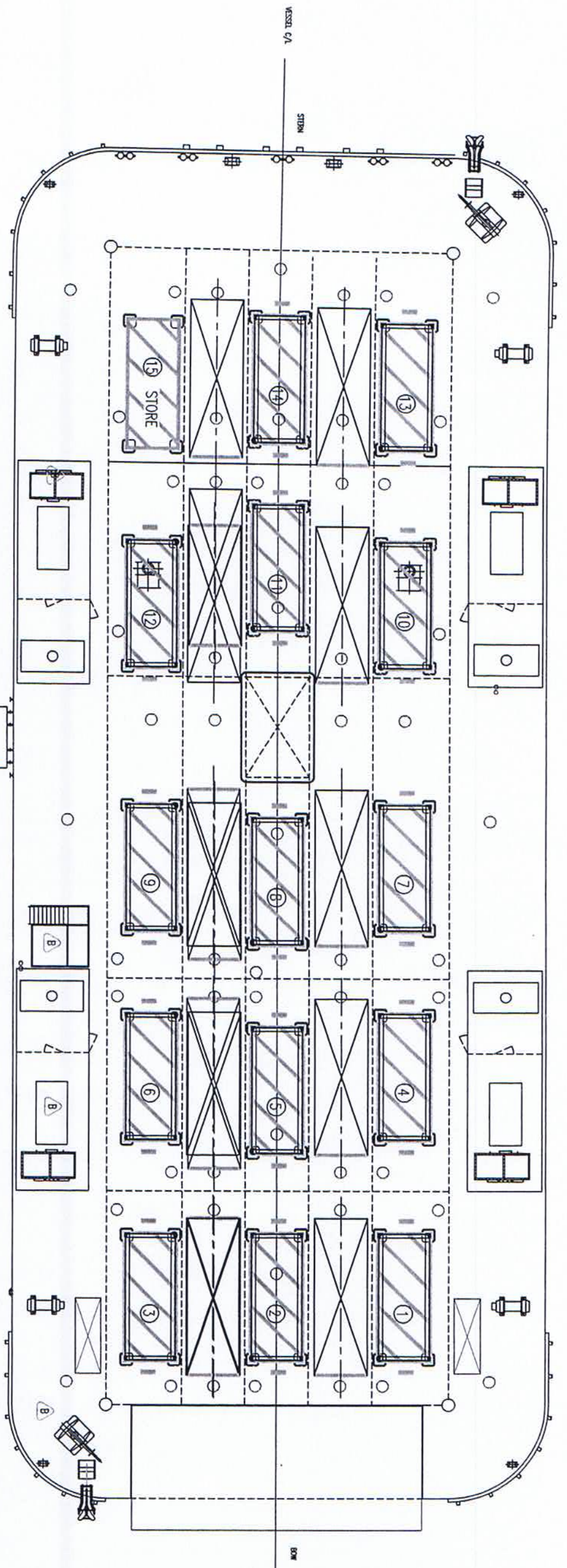
REV	DATE	BY	CHKD	DESCRIPTION
1	11-07-08	SWL	SWL	ISSUE
2	12-02-08	SWL	SWL	UPDATED
3	15-07-08	SWL	SWL	UPDATED

APPROVED BY: [Signature]

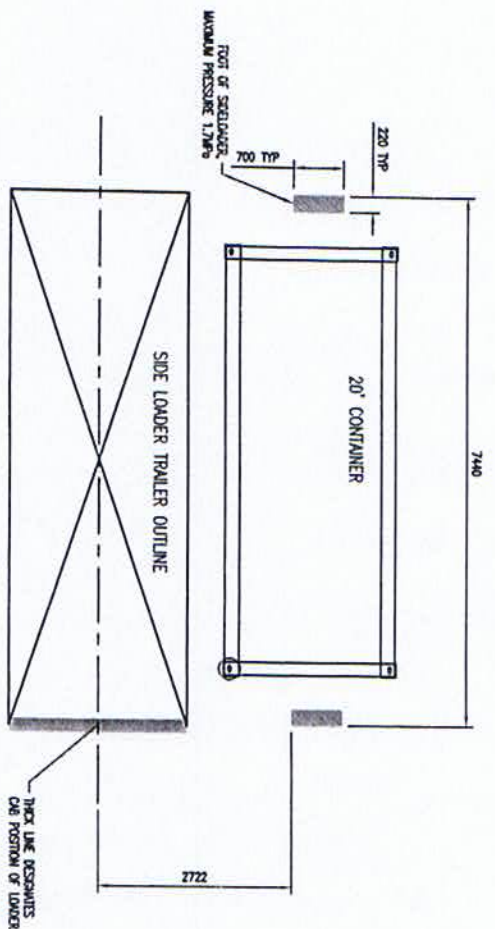
DATE: 25/07/08

BMT Nigel Gee

615-02-1 (1)



PLAN VIEW ON MAIN DECK
SHOWING CONTAINER LOADER POSITIONS

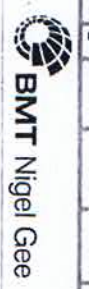


PLAN VIEW ON CONTAINER LOADER
SHOWING FOOT PRINT WHEN UNLOADING CONTAINER
SCALE 1:50

DUNNAGE TIMBER IS REQUIRED
UNDER SIDELoader LEG
TO MEET DECK STRENGTH
REQUIREMENTS.

- NOTES:
1. SIDE LOADER SHOWN IN LEFT HAND CONFIGURATION
 2. AFT STARBORD CONTAINER TO HOUSE WINCH CONTROLS AND POWER PACKS
 3. CONTAINERS 1,2,4,5,7,8,10,11,13,14 LOADED REVERSING ONTO THE BARGE
 - 3.6,9 AND 12 LOADED DRIVING ONTO THE BARGE. CONTAINER 15 IS TO BE LOADED BY CRANE OR LIGHT FORKLIFT AND TO BE USED AS A STORE
 4. MINIMUM TRAILER TO CONTAINER CLEARANCE AS DESIGNED = 520mm [1'-8 1/2"]

PROJECT :	450 TONNE HOME/BARGE	ISSUE :	A	GENERAL UPDATE	12-07-06
CUSTOMER :		PREP ISSUE :		PREP ISSUE :	02-04-06
TITLE :	CARGO STORAGE - SIDE LOADER POSITIONING	MODIFICATIONS :		APPROVED BY :	
DWG No. :	MS332-673-01-2	Scale :	1:100	Drawn By :	SMW
SHEET :	2	Scale :	1:100	Checked By :	
of total :	2	Scale :	1:100	Checked Date :	25/07/06



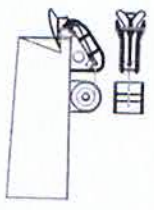
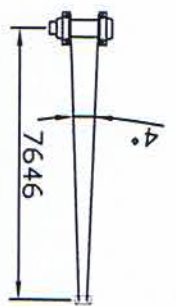
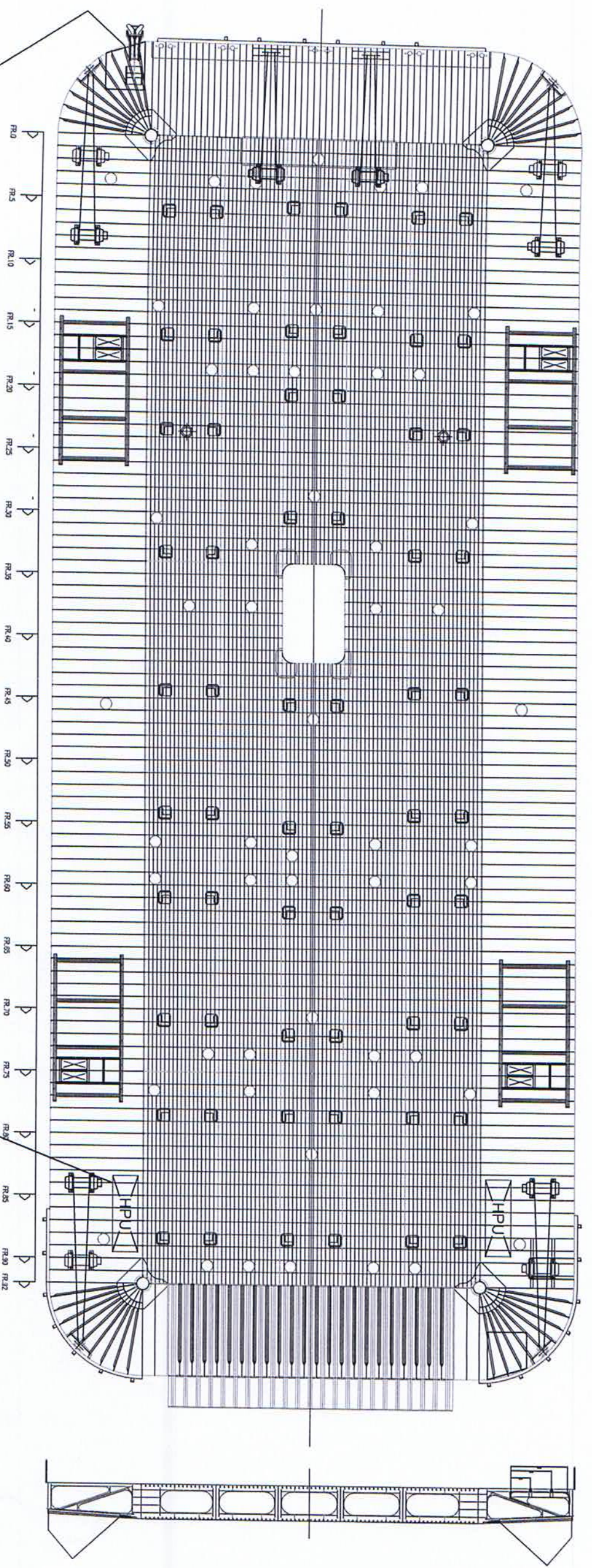
673-01-2 (1)

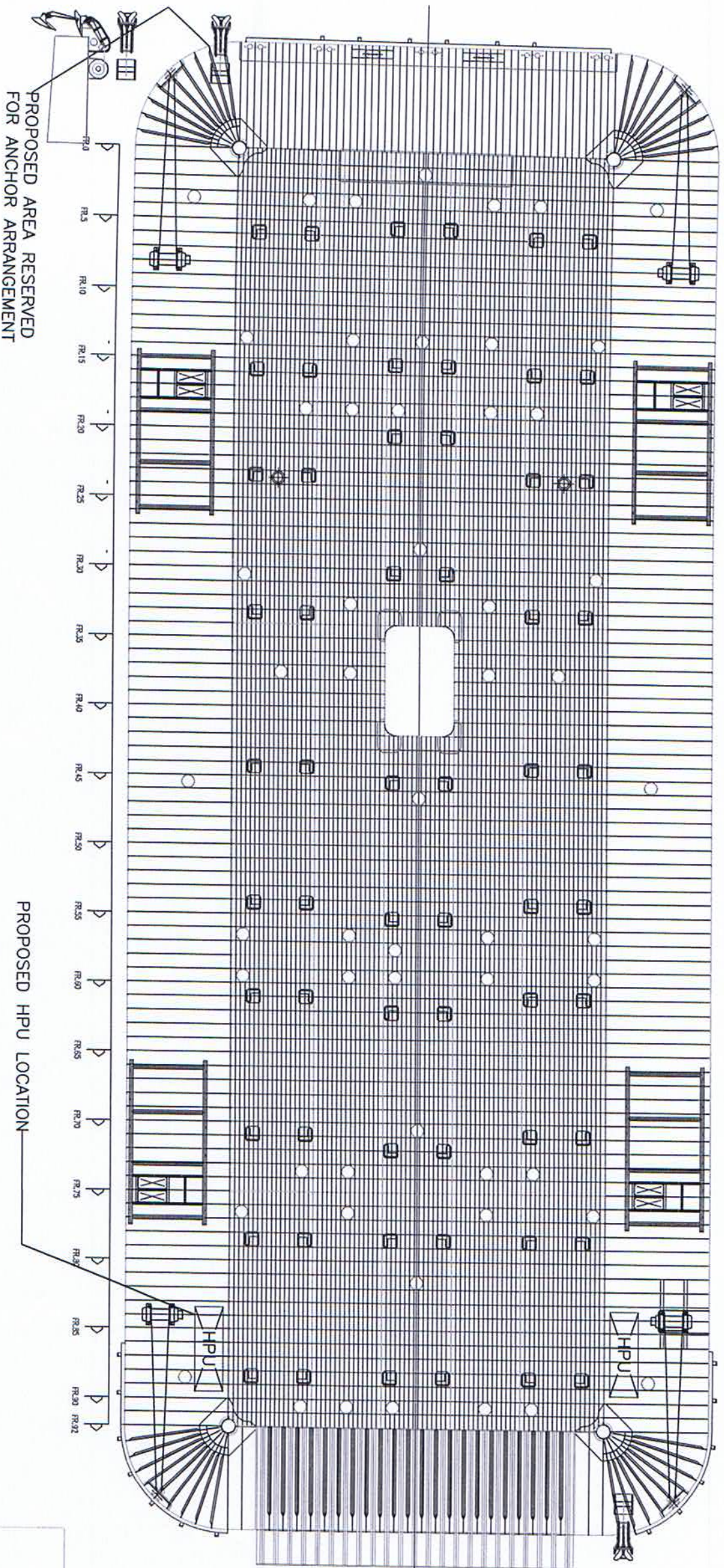
PROPOSED AREA RESERVED FOR ANCHOR ARRANGEMENT

PROPOSED HPU LOCATION

SK - 15
Winch locations
NG632 - Redfern

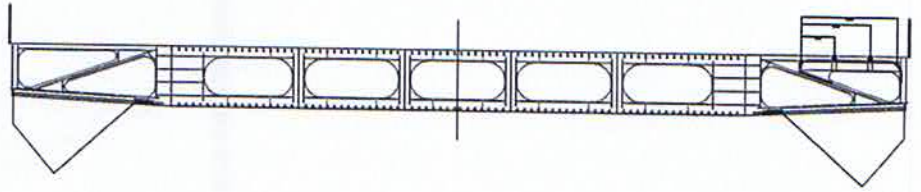
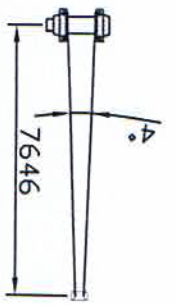
SK-21





PROPOSED AREA RESERVED
FOR ANCHOR ARRANGEMENT

PROPOSED HPU LOCATION



SK-21-B

SK - 15
Winch locations
NG632 - Redfern



