

DRAWING LIST

Design	Dwg	Description	Date
DRAWING LIST			
Steve's Shop, 22'4" x 8'6" V Landing Craft, 9/22/10			
364	-1	General Views	9/22/10
364	2-1	Keel Layout	8/2/10
357	2-2	Girder Layout	5/8/10
357	2-3	Bottom Plate Layout	5/8/10
357	2-4	Chine Plate Layout	5/8/10
357	2-5	Topside Plate Layout	5/8/10
364	2-6	Bow & Transom	8/2/10
364	2-7	Side Decks & Liners	8/2/10
364	2-8	Cockpit Deck- Aft	8/2/10
357	2-9	Cockpit Deck- FWD	5/8/10
364	2-10	Console & Conduit Layout	8/2/10
364	3-1	Fuel Tank- 60 gal	8/2/10
357	5-1	Bow Door Framing	5/11/10
357	5-2	Bow Door Hinges	5/11/10
357	B-1, R1	Typical Flange Bending	5/8/10
357	F-R	Frame Dimensions	5/8/10
357	F-1	Frame 1	9/22/10
357	F-2	Frame 2	9/22/10
364	F-3	Frame 3	9/22/10
364	F-4	Frame 4	9/22/10
364	F-5	Frame 5	9/22/10
357	F-6	Frame 6	9/22/10
345	4-1	Console	12/23/09
345	4-2	Console Windshield	12/23/09
345	4-3	Console Roof	12/23/09
345	4-4	Leaning Post	5/10/10
345	7-1	Window Set	12/23/09

Stock

Response Marine, Inc. Stock List-Yarde
 # 364 Steve's Shop 225x86 VLC
 9/19/10

SHEET/PLATE For NC Cutting

<u>QTY</u>	<u>Alloy</u>	<u>Thick</u>	<u>Width</u>	<u>Lngth</u>	approx. <u>lbs/ft^2</u>	<u>lbs</u>
As Nested By Yarde 9/17/10						
4	5086 H116, marine	0.190	96	288	2.7	2,074
2	5086 H116, marine	0.250	96	288	3.6	1,382
1	5086 H116, marine	0.375	36	140	5.4	189
5	5052 H32	0.125	60	96	1.8	360
Sub Total Plate to be c						4,005

SHEET/PLATE (Stock, Do Not Cut)

<u>QTY</u>	<u>Alloy</u>	<u>Thick</u>	<u>Width</u>	<u>Lngth</u>	approx. <u>lbs/ft^2</u>	<u>lbs</u>
NONE						0
Total Sheet/Plate						4,005

EXTRUSION

<u>QTY</u>	<u>Item</u>	<u>Alloy</u>	<u>Lqth (ft)</u>	<u>lbs/ft</u>	<u>lbs</u>
4	.190x1.50" Flat Bar	6061 T6	12	.34	16
1	2x1x.13 Channel, A.A.	6061 T6	25	1.14	29
1	3" x 1.498", 1.73# Channel	6061 T6	25	1.73	43
2	1.5x1.5x.190" angle	6061 T6	25	.622	31
1	1" sch 40 Pipe	6061 T6	20	.58	12
1	3" sch 40 Pipe	6061 T6	20	2.62	52
1	1.5"x.125" Sq. Tube	6061 T6	24	.81	19
4	2"x.125" Sq. Tube	6061 T6	24	1.13	108
Sub Total					311
TOTAL					4,316

NC Parts

Response Marine, Inc.

Plaz Parts for #364- Steve's Shop
 File: RMIDes\Chester\225x86LC\Stevens Shop (# 364)
 revised:9/15/10

Print Date: 9/15/2010

1/8" Parts- 5052

<u>Part #</u>	<u>Pieces</u>	<u>Description</u>	<u>Bend</u>	
C-1	1	Console Body	Y	On Marks, Tight Radius
C-2	1	Console Back	Y	On Marks, Tight Radius
C-3	1	Console Top	Y	On Marks, Tight Radius
C-WS	1	Windshield w/ Side Panels	Y	On Marks, Tight Radius
LP-1	1	Lean Post Body	Y	On Marks, Tight Radius
LP-2	1	Lean Post, Shelf		
LP-3	1	Lean Post, Face		
WS-R	1	Windshield Roof	Y	On Marks, Tight Radius
WS-RJ	2	Windshield Roof JIG		
WS-VA	1	Windshield Visor, FWD		
WS-VB	1	Windshield Visor, AFT		
	12	Sub Total		

3/16" Parts- 5052

<u>Part #</u>	<u>Pieces</u>	<u>Description</u>	<u>Bend</u>	
		N ONE		
	0	Sub Total		

3/16" Parts- 5086

<u>Part #</u>	<u>Pieces</u>	<u>Description</u>	<u>Bend</u>	
AP-2	1	Access Panel , in Console, Fuel		
AP-4	1	Access Panel, Deck at Transom		
BD	1	Bow Door		
B-DT	1	Bow Door Threshold	Y	On Marks
BG-1AP	1	Girder #1, Fwd, Port	Y	Flange B-1
BG-1AS	1	Girder #1, Fwd, Stbd	Y	Flange B-1
BG-1BP	1	Girder #1, Aft, Port	Y	Flange B-1
BG-1BS	1	Girder #1, Aft, Stbd	Y	Flange B-1
BG-2P	1	Girder #2, Port	Y	Flange B-1
BG-2S	1	Girder #2, Stbd	Y	Flange B-1
CS-1P	1	Chine Stiffener #1, Bow to F1, Port	Y	Flange B-1
CS-1S	1	Chine Stiffener #1, Bow to F1, Stbd	Y	Flange B-1
CS-2P	1	Chine Stiffener #2, Bow to F3, Port	Y	Flange B-1
CS-2S	1	Chine Stiffener #2, Bow to F3, Stbd	Y	Flange B-1
DB-A	1	Deck Body, Fwd, Bow to F2		
DB-B	1	Deck Body, Fwd, F2 to F3		
DB-C	1	Deck Body, Mid, F3 to F5		
DB-D	1	Deck Body, Aft, F5- Transom		
DM-AP	1	Deck Margin, Fwd Port, Bow to F2		

NC Parts

DM-AS	1	Deck Margin, Fwd Stbd, Bow to F2		
DM-BP	1	Deck Margin, Mid Port, F2-F3		
DM-BS	1	Deck Margin, Mid Stbd, F2-F3		
DM-CP	1	Deck Margin, Mid Port, F3-F5		
DM-CS	1	Deck Margin, Mid Stbd, F3-F5		
DM-DP	1	Deck Margin, Aft Port, F5-Transom		
DM-DS	1	Deck Margin, Aft Stbd, F5-Transom		
DP-5C	6	Deck Plate Cover, 5"		
DP-5R	5	Deck Plate Ring, 5"		
DP-5RT	1	Deck Plate Ring, 5", trimmed for use at fuel pickup		
F1	1	Frame 1	Y	Flange B-1
F1-P	1	Frame 1, Upper Port		
F1-S	1	Frame 1, Upper Stbd		
F2	1	Frame 2	Y	Flange B-1
F2-P	1	Frame 2, Upper Port	Y	Flange B-1
F2-S	1	Frame 2, Upper Stbd	Y	Flange B-1
F2SD	2	Frame 2, at Side Decks, Jig or use		
F3	1	Frame 3	Y	Flange B-1
F3-P	1	Frame 3, Upper, Port	Y	Flange B-1
F3-S	1	Frame 3, Upper, Stbd	Y	Flange B-1
F4	1	Frame 4	Y	Flange B-1
F4SD	2	Frame 4, at Side Decks, Jig or use		
F5	1	Frame 5	Y	Flange B-1
F5-P	1	Frame 5, Upper Port	Y	Flange B-1
F5-S	1	Frame 5, Upper Stbd	Y	Flange B-1
F6	1	Frame 6	Y	Flange B-1
FDL	2	Foredeck Coam/Liner		
FT-1	1	Fuel Tank Body	Y	
FT-2	1	Fuel Tank Transverse Baffle		
FT-3	1	Fuel Tank Long'l Baffle		
FT-4	2	Fuel Tank Ends		
FT-5	1	Fuel Tank Top		
PK-1	4	Push Knee, Sides		
PK-2	2	Push Knee, Faces		
PK-3	2	Push Knee, Tops		
PK-4	2	Push Knee, Bottoms		
SDC-AP	1	Side Deck Coaming, Fwd Port Jog		
SDC-AS	1	Side Deck Coaming, Fwd Stbd Jog		
SDC-BP	1	Side Deck Coaming, Aft Port Jog		
SDC-BS	1	Side Deck Coaming, Aft Stbd Jog		
SDC-P	1	Side Deck Coaming, Port		
SDC-S	1	Side Deck Coaming, Stbd		
SD-P	1	Side Deck, Port		
SD-S	1	Side Deck, Stbd		
SPL	1	Splashwell BHD		
TDL-P	1	Transom Side Liner, Port		
TDL-S	1	Transom Side Liner, Stbd		
TS-P	1	Topsides, Port		
TS-S	1	Topsides, Stbd		
TSS-AP	1	Topside Stringer, Fwd Port, Bow-F1		
TSS-AS	1	Topside Stringer, Fwd Stbd, Bow-F1		
TSS-BP	1	Topside Shelf, Mid, Port, F1-F3	Y	Flange B-1
TSS-BS	1	Topside Shelf, Mid, Stbd, F1-F3	Y	Flange B-1

NC Parts

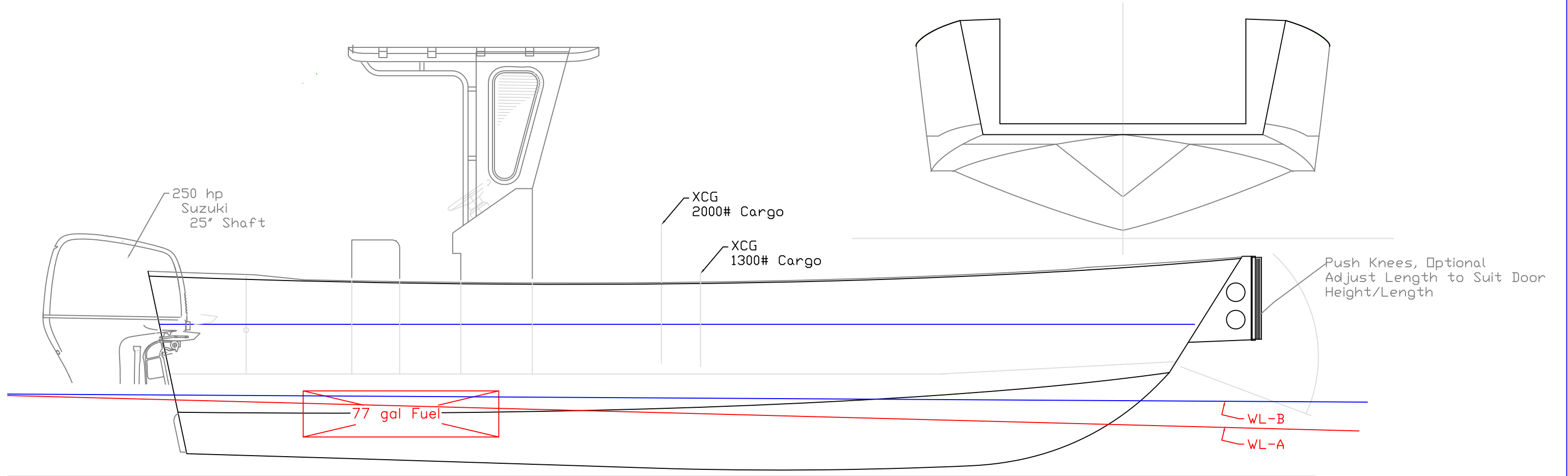
TSS-CP	1	Topside Shelf, Mid, Port, F3-F5	Y	Flange B-1
TSS-CS	1	Topside Shelf, Mid, Stbd, F3-F5	Y	Flange B-1
TSS-DP	1	Topside Shelf, Aft, Port, F5-Transom	Y	Flange B-1
TSS-DS	1	Topside Shelf, Aft, Stbd, F5-Transom	Y	Flange B-1
TVL	2	Transom Vertical Lip		
	97	Sub Total		

1/4" Parts- 5083/5086

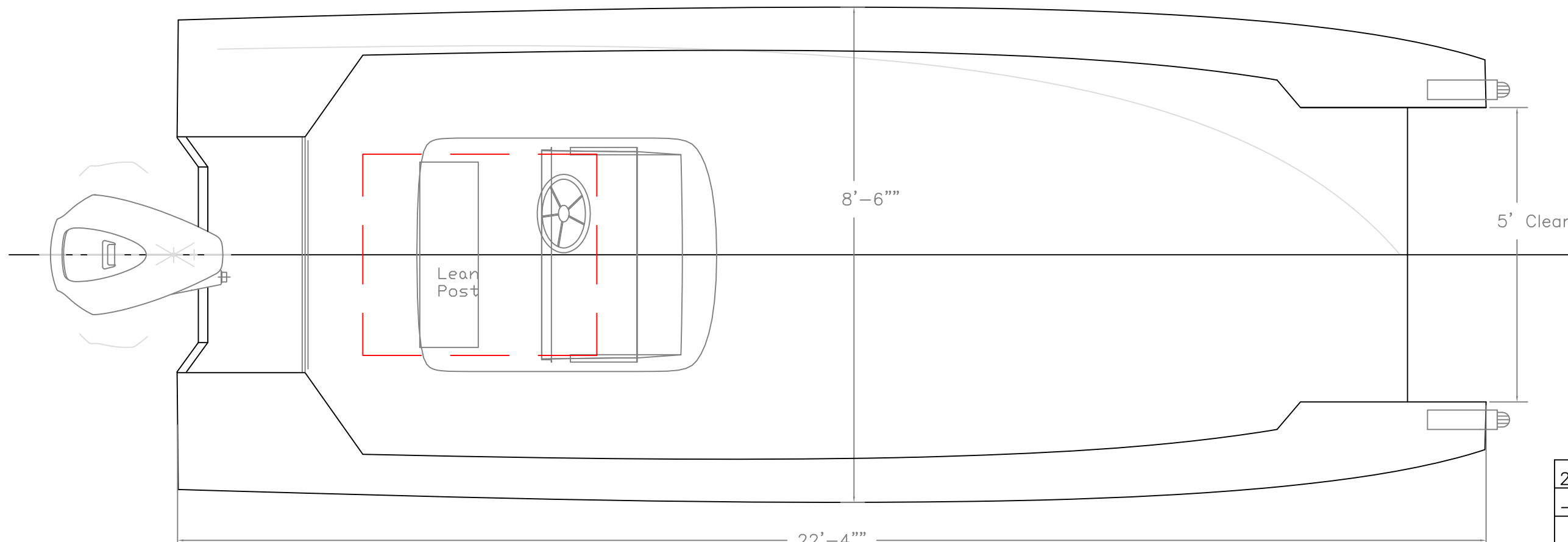
<u>Part #</u>	<u>Pieces</u>	<u>Description</u>
BOT-P	1	Bottom, Port
BOT-S	1	Bottom, Stbd
BOW	1	Bow
BS-1P	1	Bottom Longitudinal 1 , Port
BS-1P	1	Bottom Longitudinal 1 , Stbd
BS-2P	1	Bottom Longitudinal 2, Port
BS-2S	1	Bottom Longitudinal 2, Stbd
BS-3P	1	Bottom Longitudinal 3, Port
BS-3S	1	Bottom Longitudinal 3, Stbd
CP	1	Chine, Port
CS	1	Chine, Stbd
K-D	2	Keel Doubler, 1/2" below chine at bow to front edge F3
TK-1	2	Transom Knee at BS-1
TR	1	Transom
	16	Sub Total

3/8" Parts-5083/5086

<u>Part #</u>	<u>Pieces</u>	<u>Description</u>
K-A	1	Keel, Fwd
K-B	1	Keel, Aft
TEL	1	Transom Engine Lip
	3	Sub Total
	128	Total Cut Parts



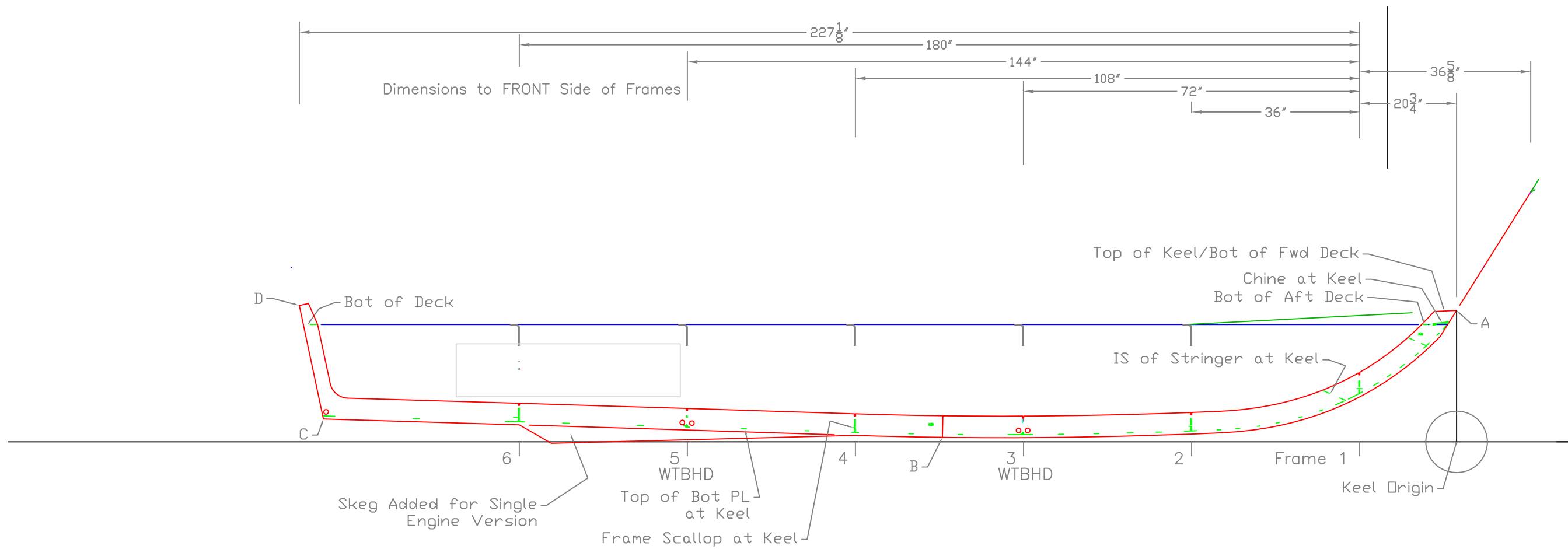
Waterlines:
 WL-A; 370# crew at helm, 38 gal fuel
 WL-B; A+ 2000 lbs cargo at mark



GENERAL VIEWS

22'4" x 8'6" V Landing Craft		
- Single Engine Version		
SCALE 1/2" = 1'	DES/DWN WAL	DATE 9/22/10
Response Marine, Inc.		REV
Newburyport, MA, www.responsemarine.com		DWG NO. 364-1

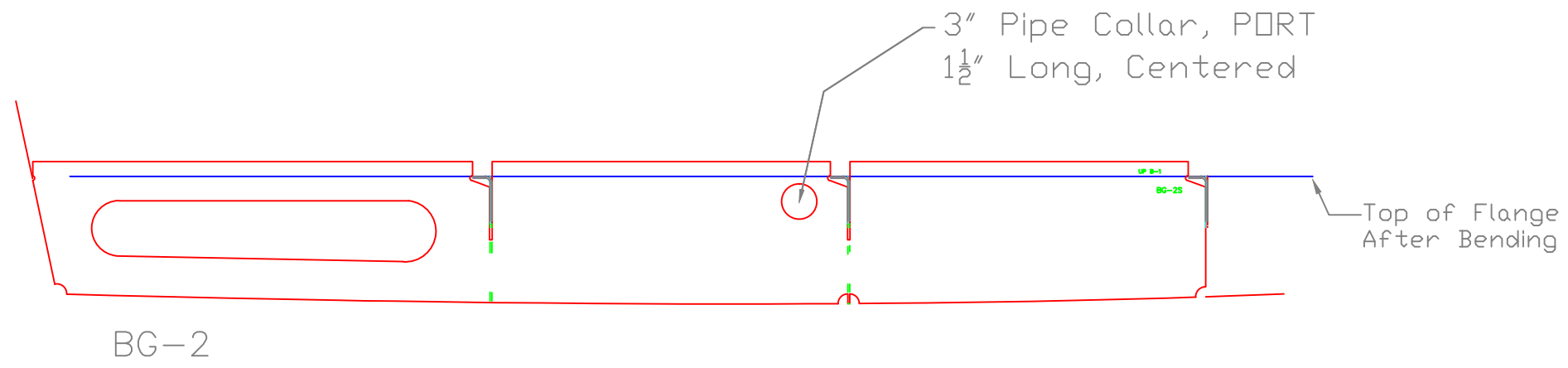
REV.	DESCRIPTION
	Mod from Design # 357- twin engine version



Response Marine, Inc.				
#364 224 VLC	8/2/10			
Keel Points				
	Inches- sixteenths			
	Horizontal	Vertical		
A to Origin				
B to Origin				
C to Origin				
D to Origin				
ALIGNED (INCHES)				
	A	B	C	D
A to				
B to				
C to				

REV.	DESCRIPTION

KEEL LAYOUT		
22'4" x 8'6" V Landing Craft		
-Single Engine Version		
SCALE	DES/DWN	DATE
1/2" = 1'	WAL	8/2/10
Response Marine, Inc.		SHEET
Newburyport, MA, www.responsemarine.com		DWG NO.
		364-2-1

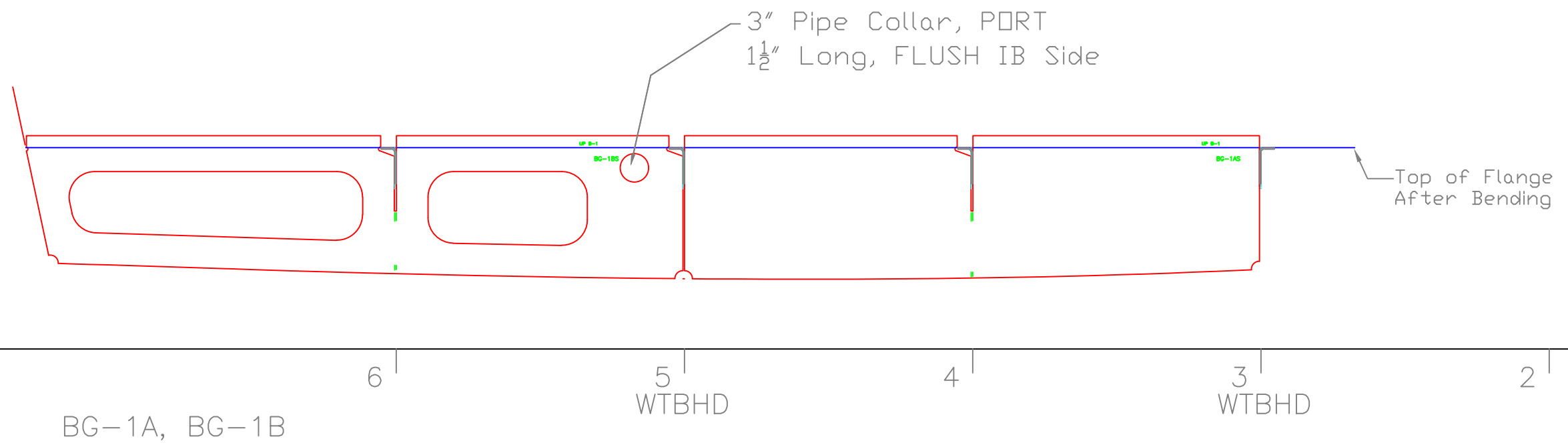


6 | 5 | 4 | 3 | 2 | Frame 1 |

WTBHD | WTBHD

Bent Flanges install OUTBOARD

Bent Flanges install OUTBOARD

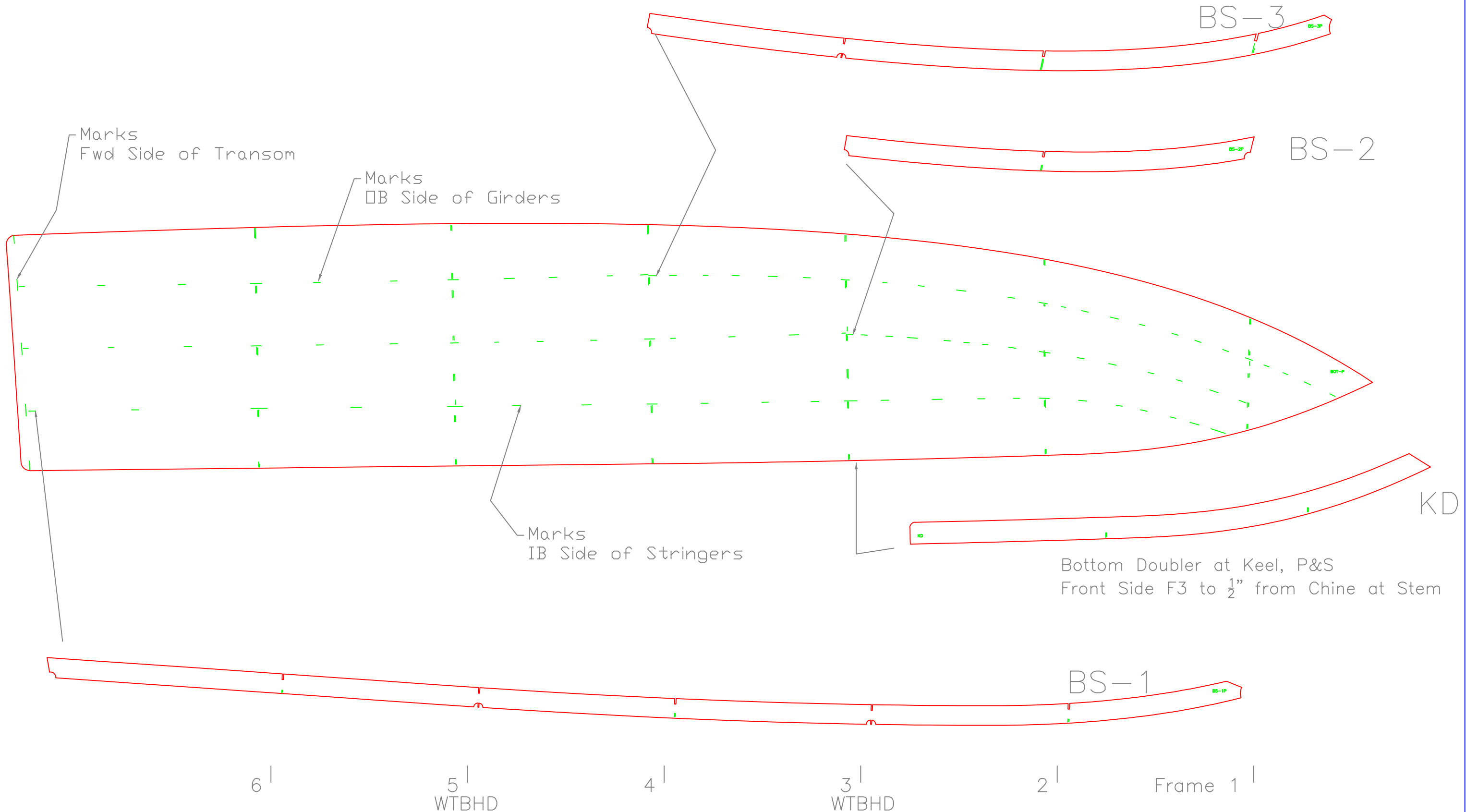


6 | 5 | 4 | 3 | 2 | Frame 1 |

WTBHD | WTBHD

GIRDER LAYOUT		
22'4" x 8'6" V Landing Craft		
SCALE 3/4" = 1'	DES/DWN WAL	DATE 5/8/10
Response Marine, Inc. Newburyport, MA, www.responsemarine.com		SHEET DWG NO. 357-2-2

REV.	DESCRIPTION



BS-3

BS-2

KD

BS-1

Marks
Fwd Side of Transom

Marks
OB Side of Girders

Marks
IB Side of Stringers

Bottom Doubler at Keel, P&S
Front Side F3 to 1/2" from Chine at Stem

6

5
WTBHD

4

3
WTBHD

2

Frame 1

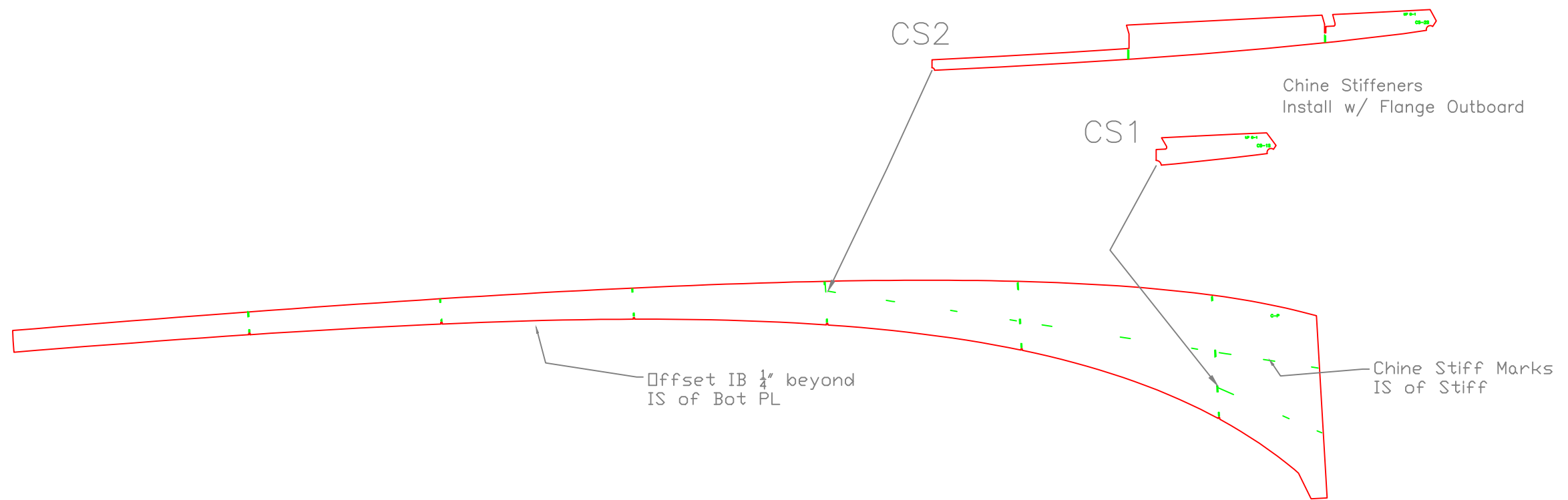
BOTTOM PLATE LAYOUT

22'4" x 8'6" V Landing Craft

SCALE 1/2" = 1'	DES/DWN WAL	DATE 5/8/10
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Response Marine, Inc.		DWG NO. 357-2-3
Newburyport, MA, www.responsemarine.com		

REV.	DESCRIPTION



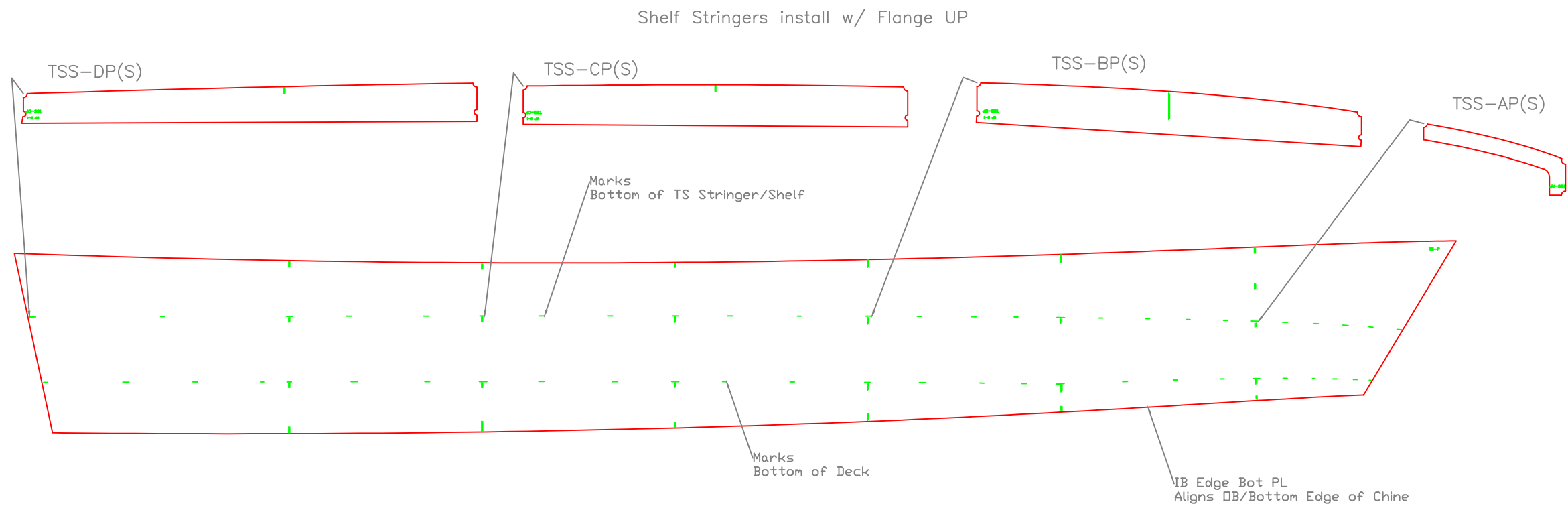
CHINE PLATE LAYOUT

22'4" x 8'6" V Landing Craft

SCALE 1/2" = 1'	DES/DWN WAL	DATE 5/8/10
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REV.	DESCRIPTION	SHEET
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Response Marine, Inc.		DWG NO.
Newburyport, MA, www.responsemarine.com		357-2-4



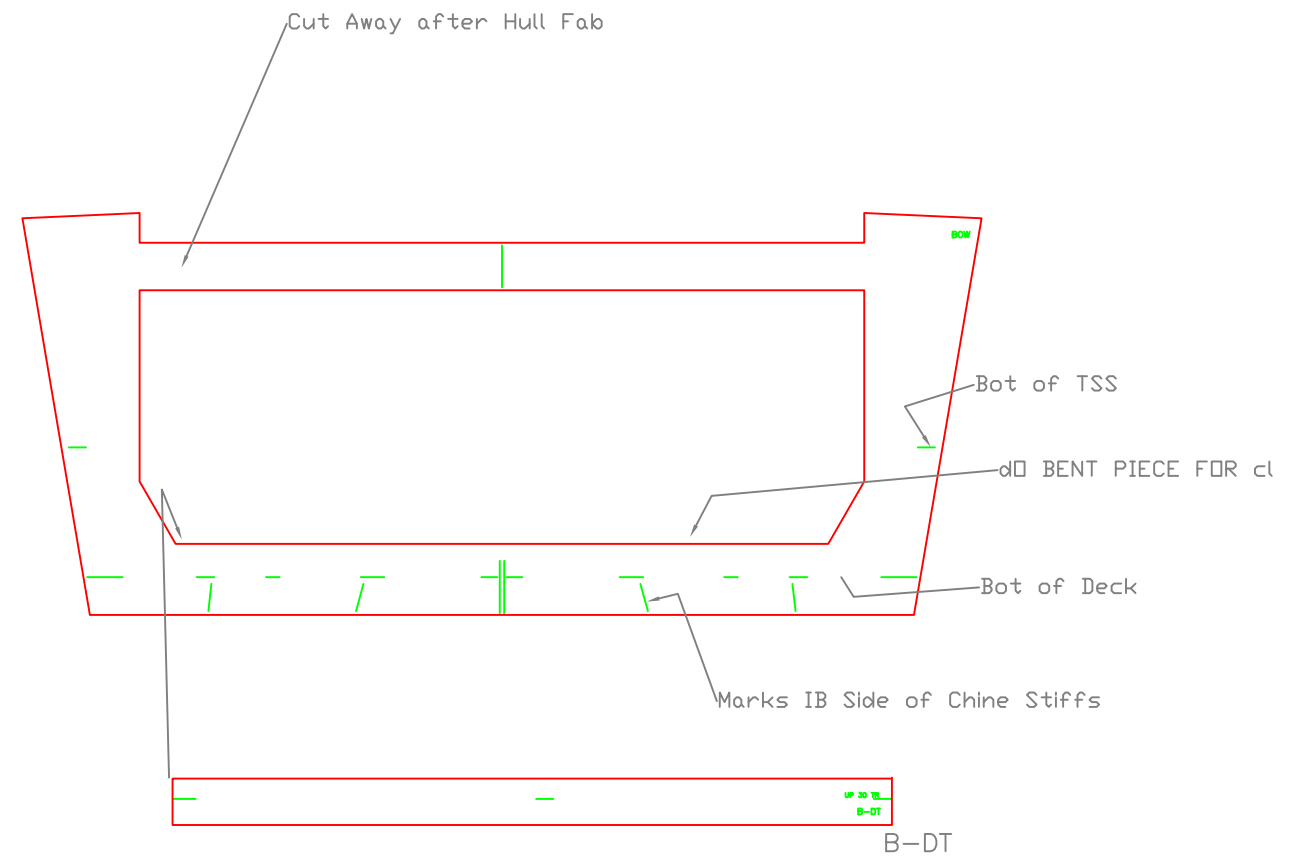
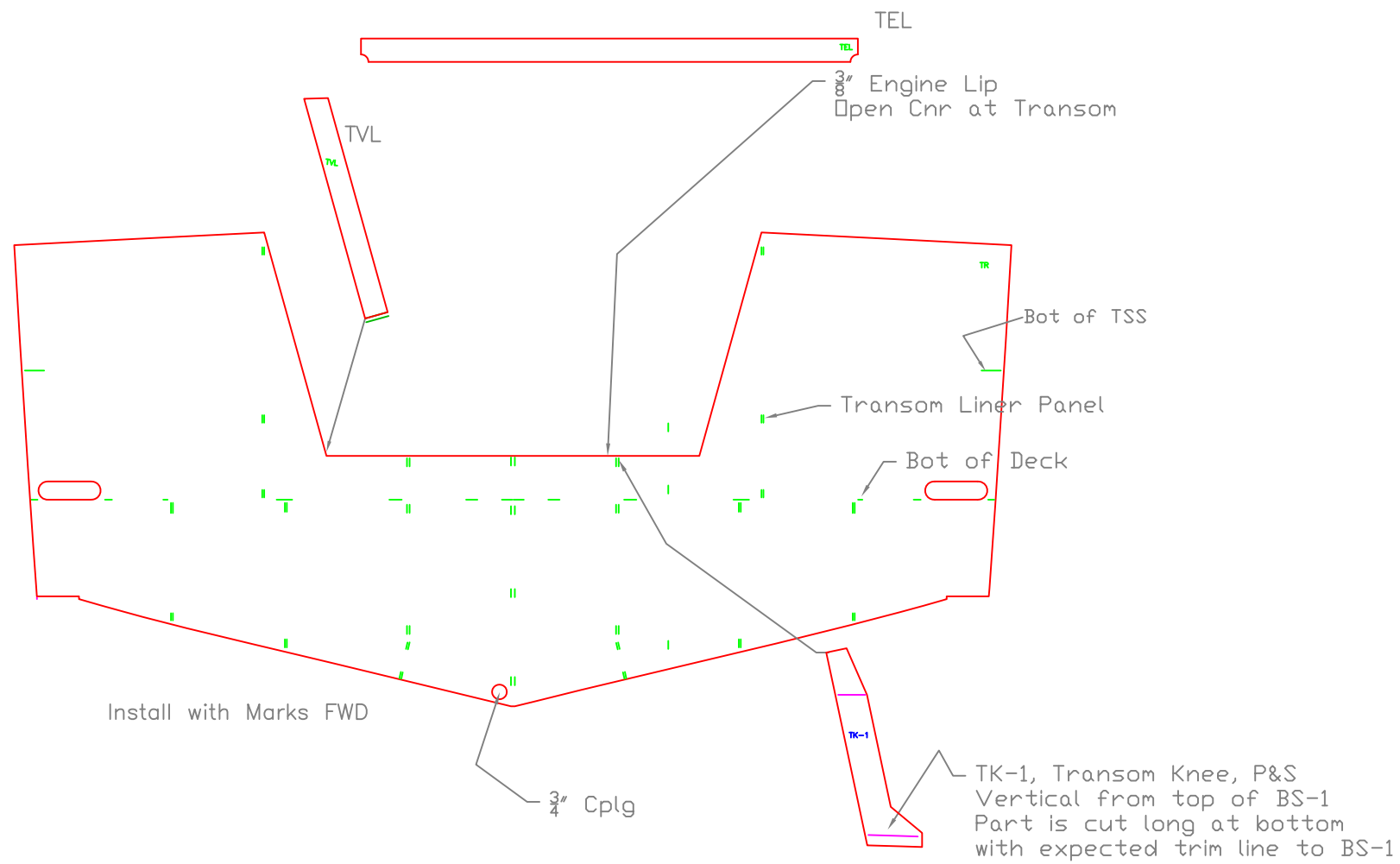
TOPSIDE PLATE LAYOUT

22'4" x 8'6" V Landing Craft

SCALE 1/2" = 1'	DES/DWN WAL	DATE 5/8/10
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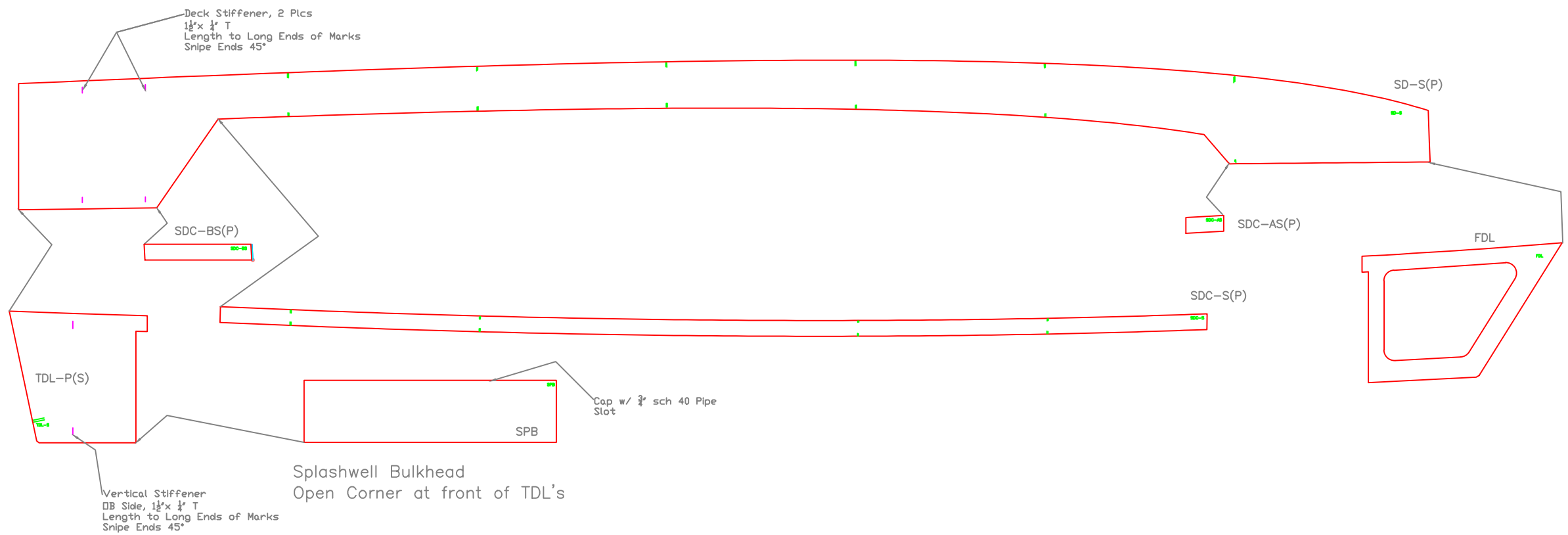
REV.	DESCRIPTION

Response Marine, Inc.
 Newburyport, MA, www.responsemarine.com
 SHEET
 DWG NO.
 357-2-5



BOW & TRANSOM		
22'4" x 8'6" V Landing Craft		
SCALE 3/4" = 1'	DES/DWN WAL	DATE 8/2/10
Response Marine, Inc.		SHEET
Newburyport, MA, www.responsemarine.com		DWG NO. 364-2-6

REV.	DESCRIPTION



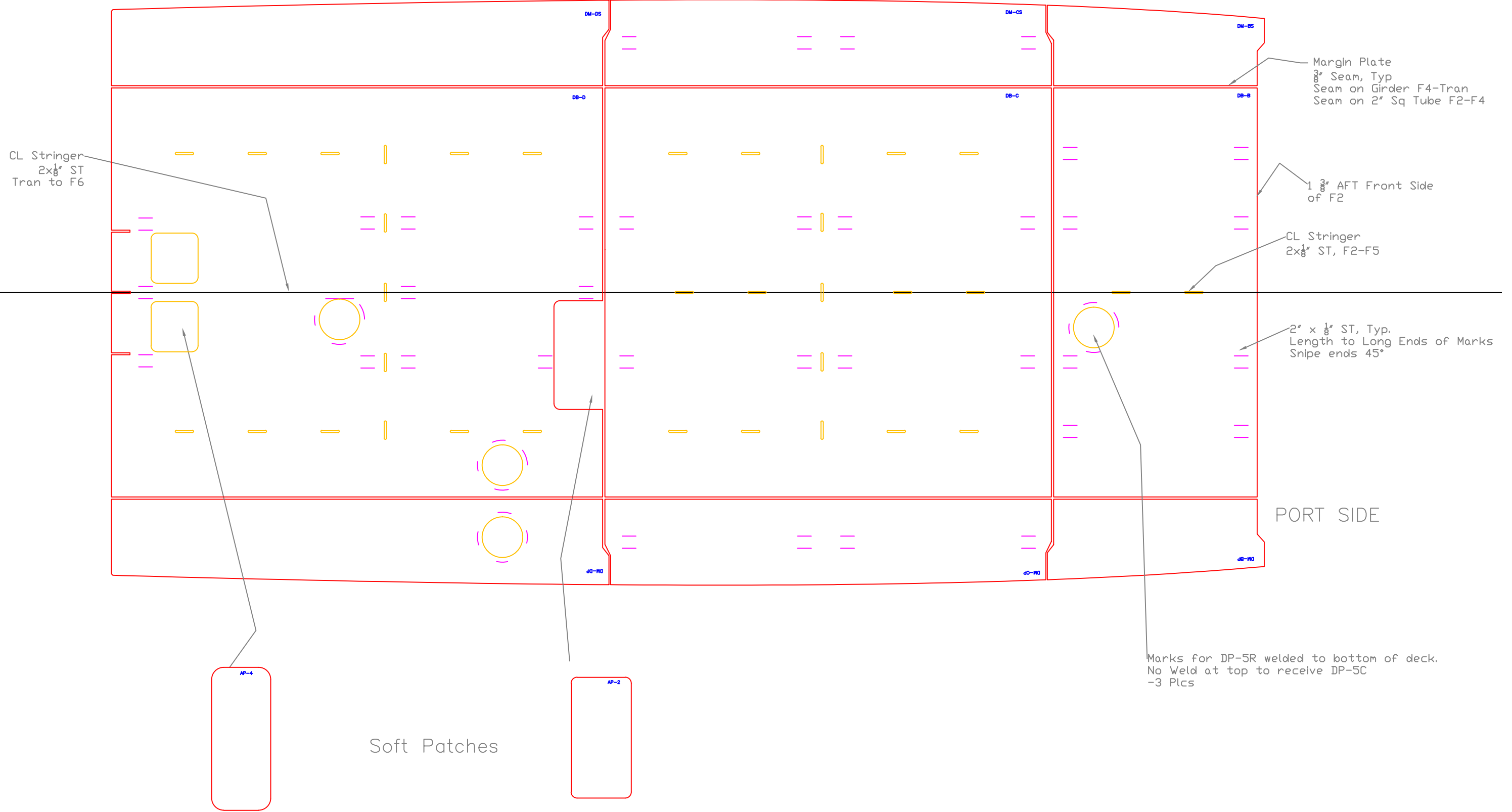
SIDE DECKS & LINERS
 22'4" x 8'6" V Landing Craft
 - Single Engine Version

SCALE 1/2" = 1'	DES/DWN WAL	DATE 8/2/10
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REV.	DESCRIPTION

Response Marine, Inc.
 Newburyport, MA, www.responsemarine.com
 DWG NO. 364-2-7

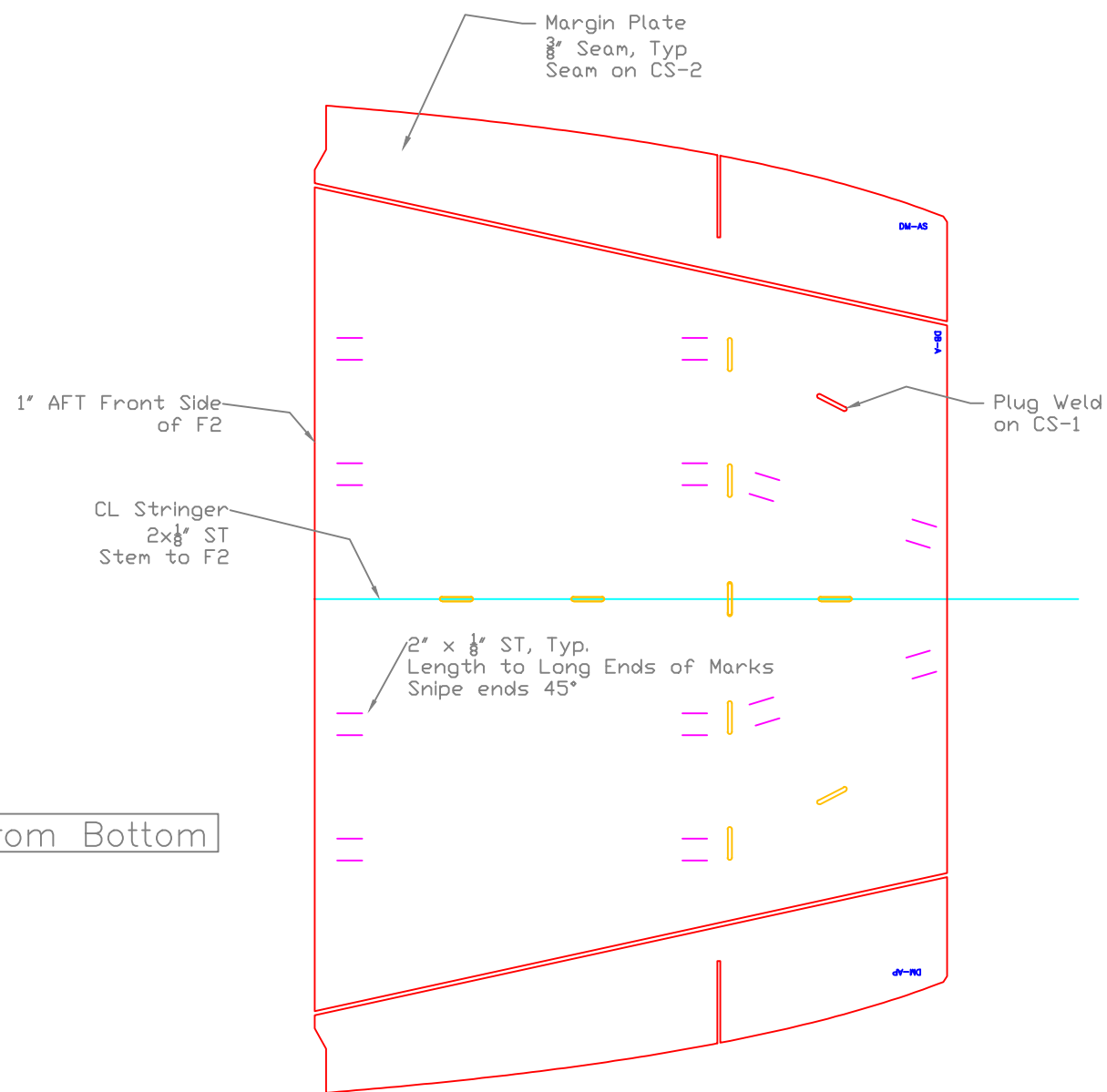
Deck Viewed from Bottom



PORT SIDE

COCKPIT DECK- AFT		
22'4" x 8'6" V Landing Craft		
SCALE 3/4" = 1'	DES/DWN WAL	DATE 8/2/10
Response Marine, Inc. Newburyport, MA, www.responsemarine.com		SHEET DWG NO. 364-2-8

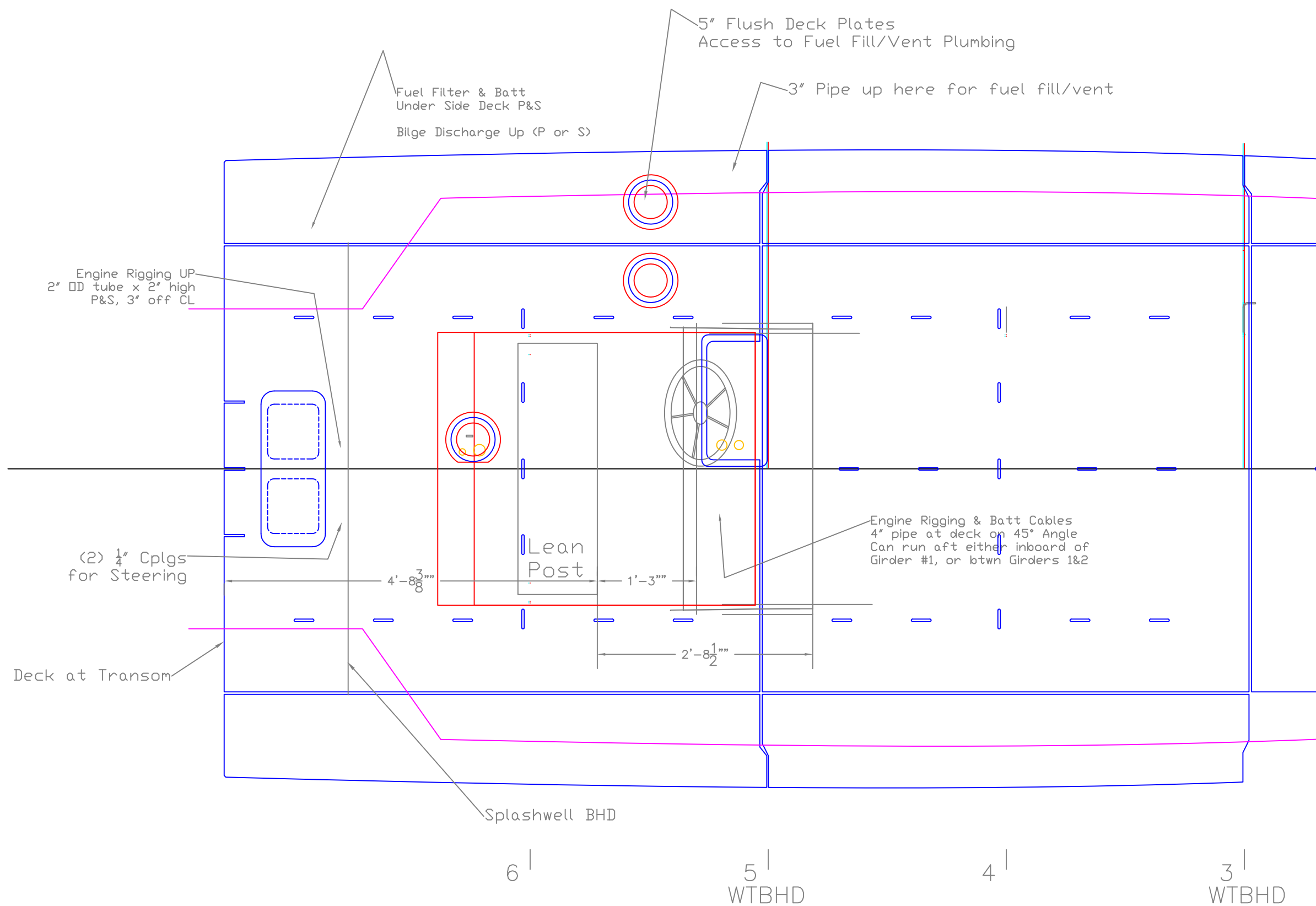
REV.	DESCRIPTION



Deck Viewed from Bottom

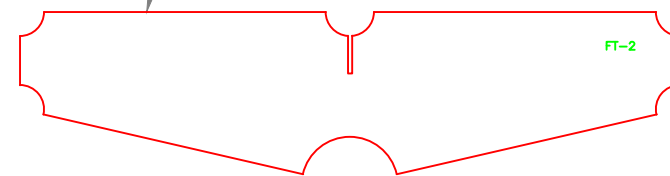
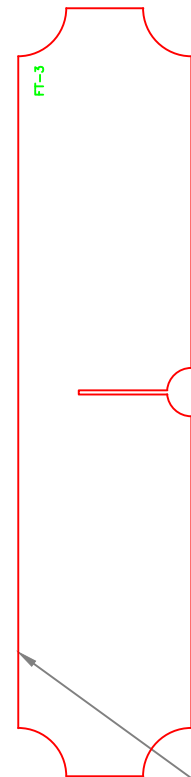
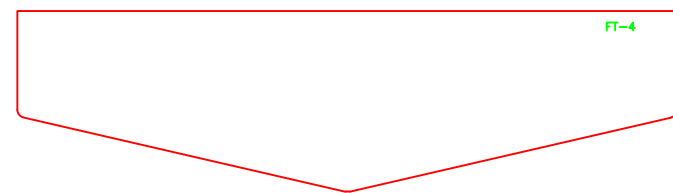
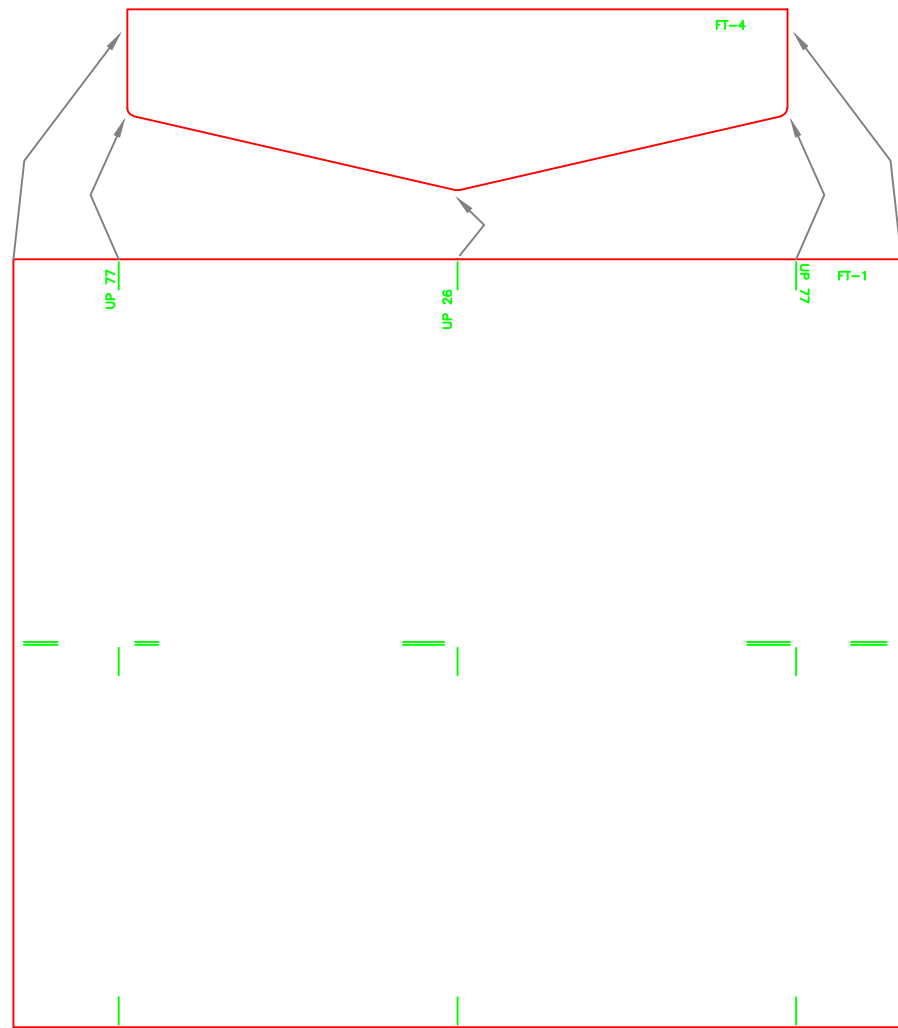
COCKPIT DECK- FWD		
22'4" x 8'6" V Landing Craft		
SCALE 3/4" = 1'	DES/DWN WAL	DATE 5/8/10
Response Marine, Inc. Newburyport, MA, www.responsemarine.com		SHEET DWG NO. 357-2-9

REV.	DESCRIPTION



CONSOLE & CONDUIT LAYOUT		
22'4" x 8'6" V Landing Craft		
SCALE 3/4" = 1'	DES/DWN WAL	DATE 8/2/10
Response Marine, Inc.		SHEET
Newburyport, MA, www.responsemarine.com		DWG NO. 364-2-10

REV.	DESCRIPTION

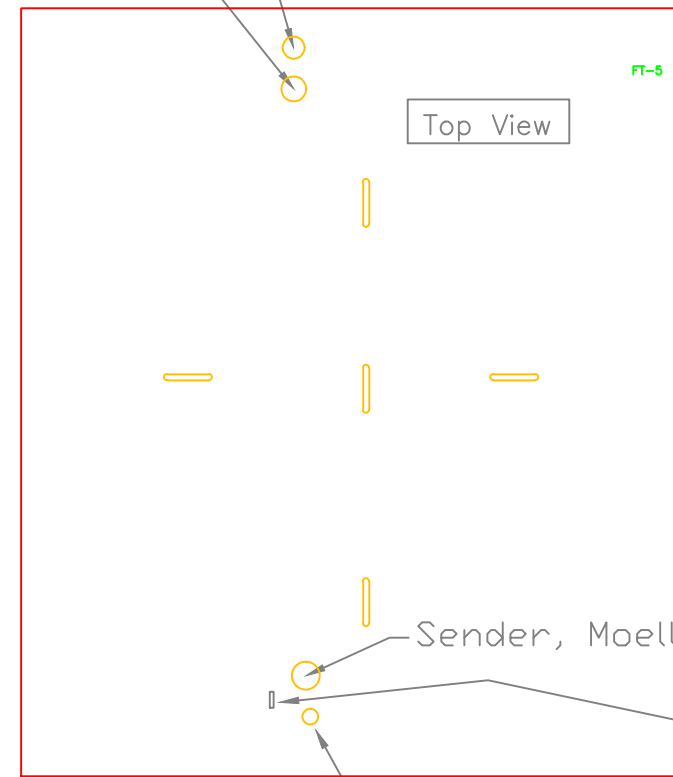


$\frac{1}{2}$ ' Down for adding angle
 $1\frac{1}{2} \times \frac{3}{16}$ "
 Angle & Flange
 on STBD/Fwd side of Baffles

$1\frac{1}{2}$ " Fill, 90° Lead to PORT
 Mitered $1\frac{1}{2}$ " OD Tubing
 Keep top at 2" above Tank

$\frac{3}{4}$ " Cplg for $\frac{3}{4} \times \frac{1}{2}$ " SS Bush, $\frac{1}{2} \times \frac{5}{8}$ " BR Barb
 Lead to PORT

Bow
 → STBD



Sender, Moeller, Reed Type, 10" Depth

Ground Tab
 $1 \times 1\frac{1}{4}$ " w/ $\frac{3}{16}$ " Hole

Pick Ups
 $\frac{3}{8}$ " Cplg welded at tank
 to receive $\frac{3}{8}$ " Withdrawal tubes & Valves
 (Remove angle flange in way)

FUEL TANK, 77 Gal.

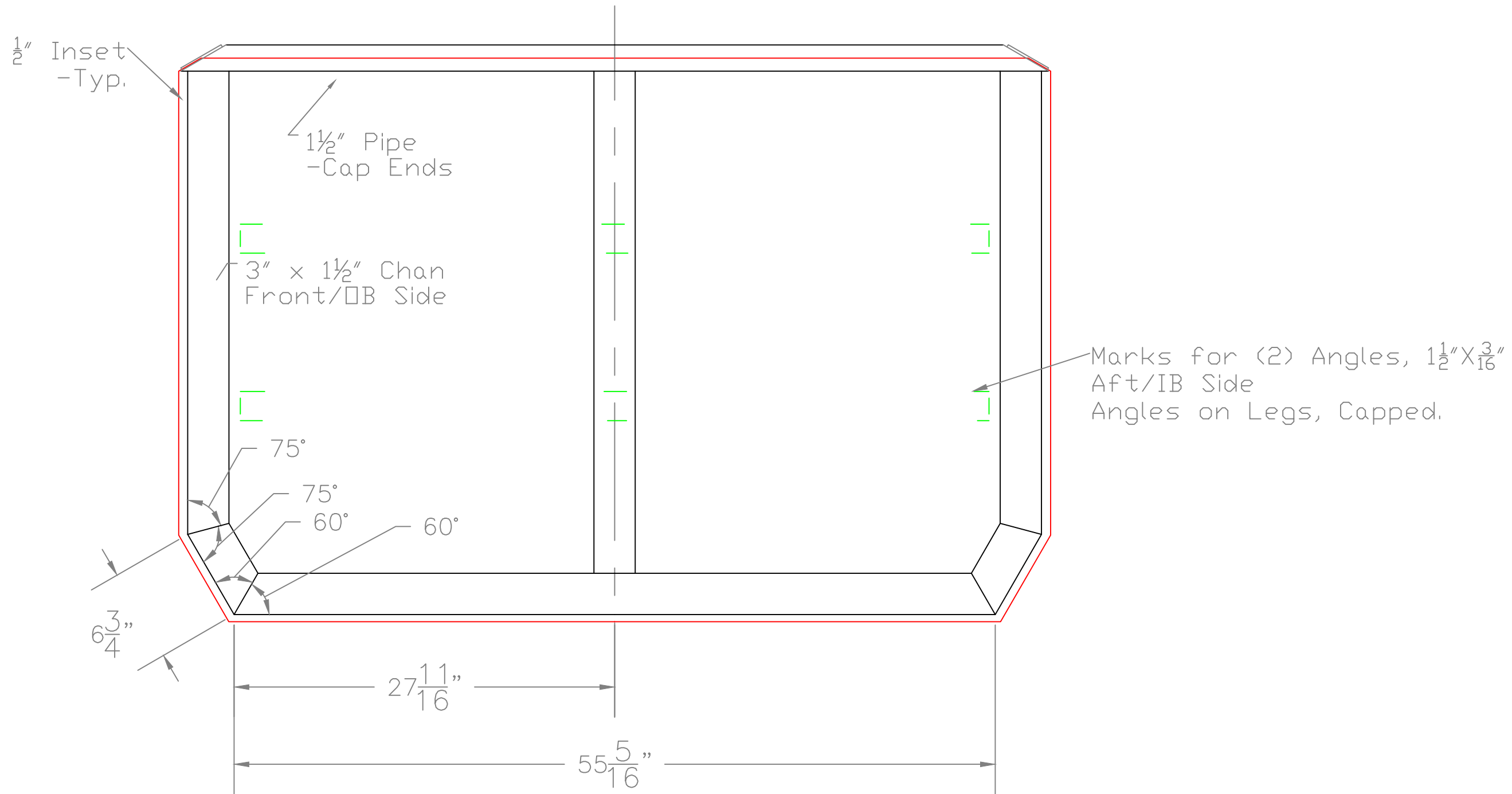
22'4" x 8'6" V Landing Craft

SCALE 1"=1'	DES/DWN WAL	DATE 8/2/10
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Response Marine, Inc.
 Newburyport, MA, www.responsemarine.com

DWG NO.
364-3-1

REV.	DESCRIPTION



BOW DOOR FRAMING		
22'4" x 8'6" V Landing Craft		
SCALE 1 1/2" = 1'	DES/DWN WAL	DATE 5/11/10
Response Marine, Inc. Newburyport, MA www.responsemarine.com		SHEET DWG NO. 357-5-1

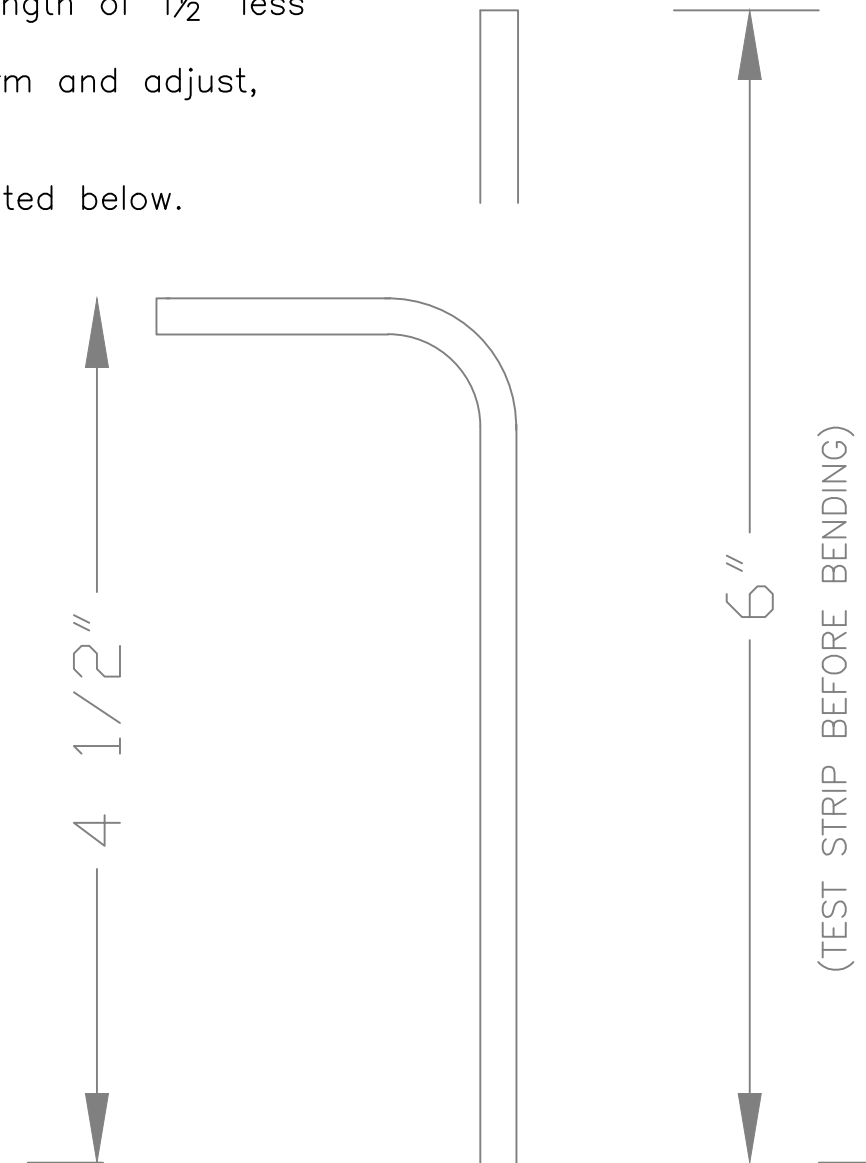
REV.	DESCRIPTION

STANDARD FLANGE BENDING: $\frac{3}{16}$ " 5086/83 H116 Stock

- 1) Confirm results for dimensions and cracking with test strips before bending frames.
- 2) Expected Die Radius is $\frac{1}{2}$ "
- 3) Flanges are designed for outside major flange length of $1\frac{1}{2}$ " less than flat stock length as shown.
- 4) Expected Back Gauge setting is 1.74", but confirm and adjust, based on test strip.

28 Parts to be flanged per this same set-up are listed below.

BG-1AP	1	Girder #1, Fwd, Port
BG-1AS	1	Girder #1, Fwd, Stbd
BG-1BP	1	Girder #1, Aft, Port
BG-1BS	1	Girder #1, Aft, Stbd
BG-2P	1	Girder #2, Port
BG-2S	1	Girder #2, Stbd
CS-1P	1	Chine Stiffener #1, Bow to F1, Port
CS-1S	1	Chine Stiffener #1, Bow to F1, Stbd
CS-2P	1	Chine Stiffener #2, Bow to F3, Port
CS-2S	1	Chine Stiffener #2, Bow to F3, Stbd
F1	1	Frame 1
F2	1	Frame 2
F2-P	1	Frame 2, Upper Port
F2-S	1	Frame 2, Upper Stbd
F3	1	Frame 3
F3-P	1	Frame 3, Upper, Port
F3-S	1	Frame 3, Upper, Stbd
F4	1	Frame 4
F5	1	Frame 5
F5-P	1	Frame 5, Upper Port
F5-S	1	Frame 5, Upper Stbd
F6	1	Frame 6
TSS-BP	1	Topside Shelf, Mid, Port, F1-F3
TSS-BS	1	Topside Shelf, Mid, Stbd, F1-F3
TSS-CP	1	Topside Shelf, Mid, Port, F3-F5
TSS-CS	1	Topside Shelf, Mid, Stbd, F3-F5
TSS-DP	1	Topside Shelf, Aft, Port, F5-Transom
TSS-DS	1	Topside Shelf, Aft, Stbd, F5-Transom



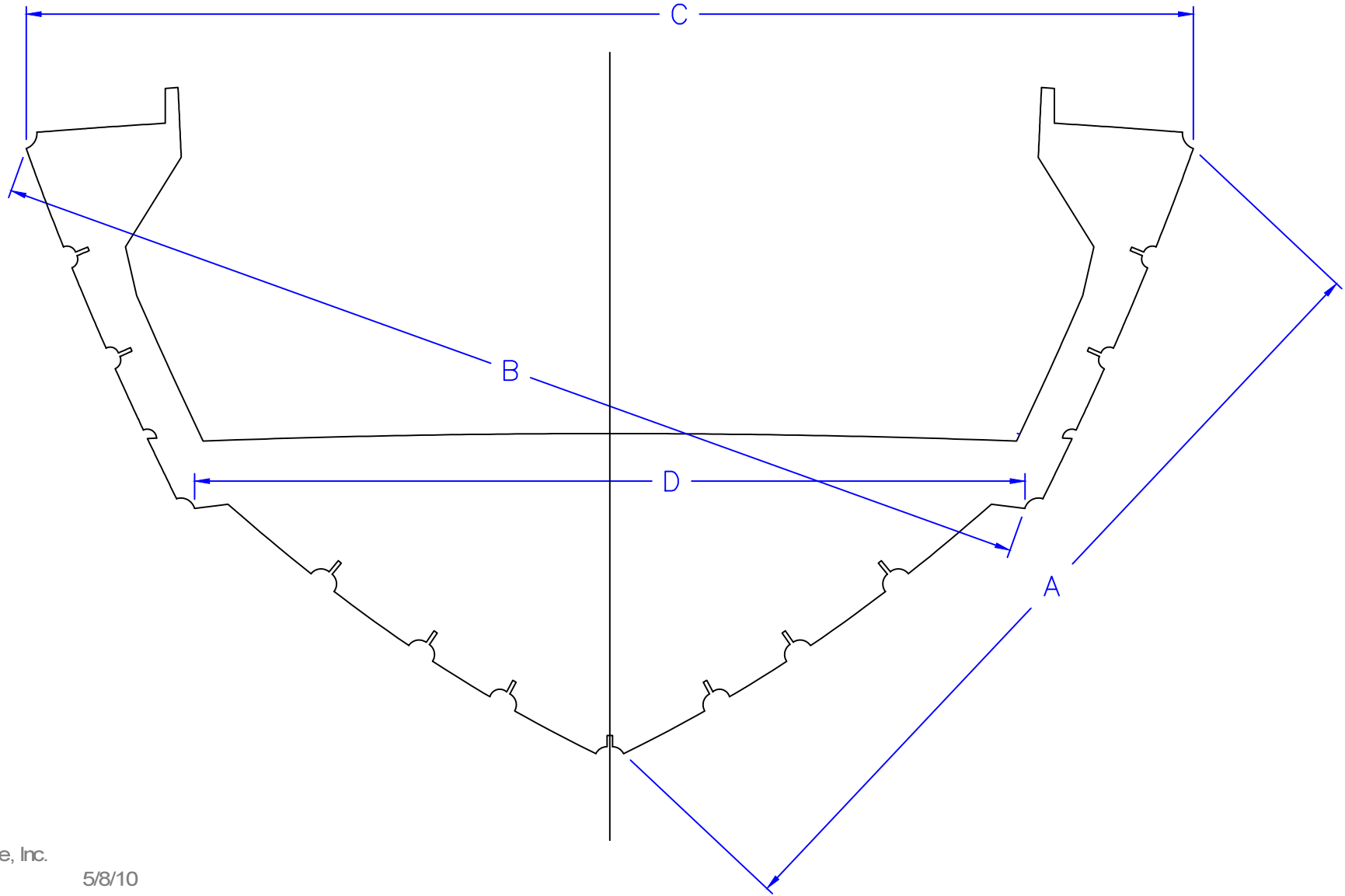
TYP. FLANGE BENDING

22'4" x 8'6" V Landing Craft

SCALE FULL	DES/DWN WAL	DATE 5/8/10
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SHEET	
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REV. DESCRIPTION 5/24/10 Added CS-XX to list	Response Marine, Inc. Newburyport, MA, www.responsemarine.com	DWG NO. 357-B-1, R1
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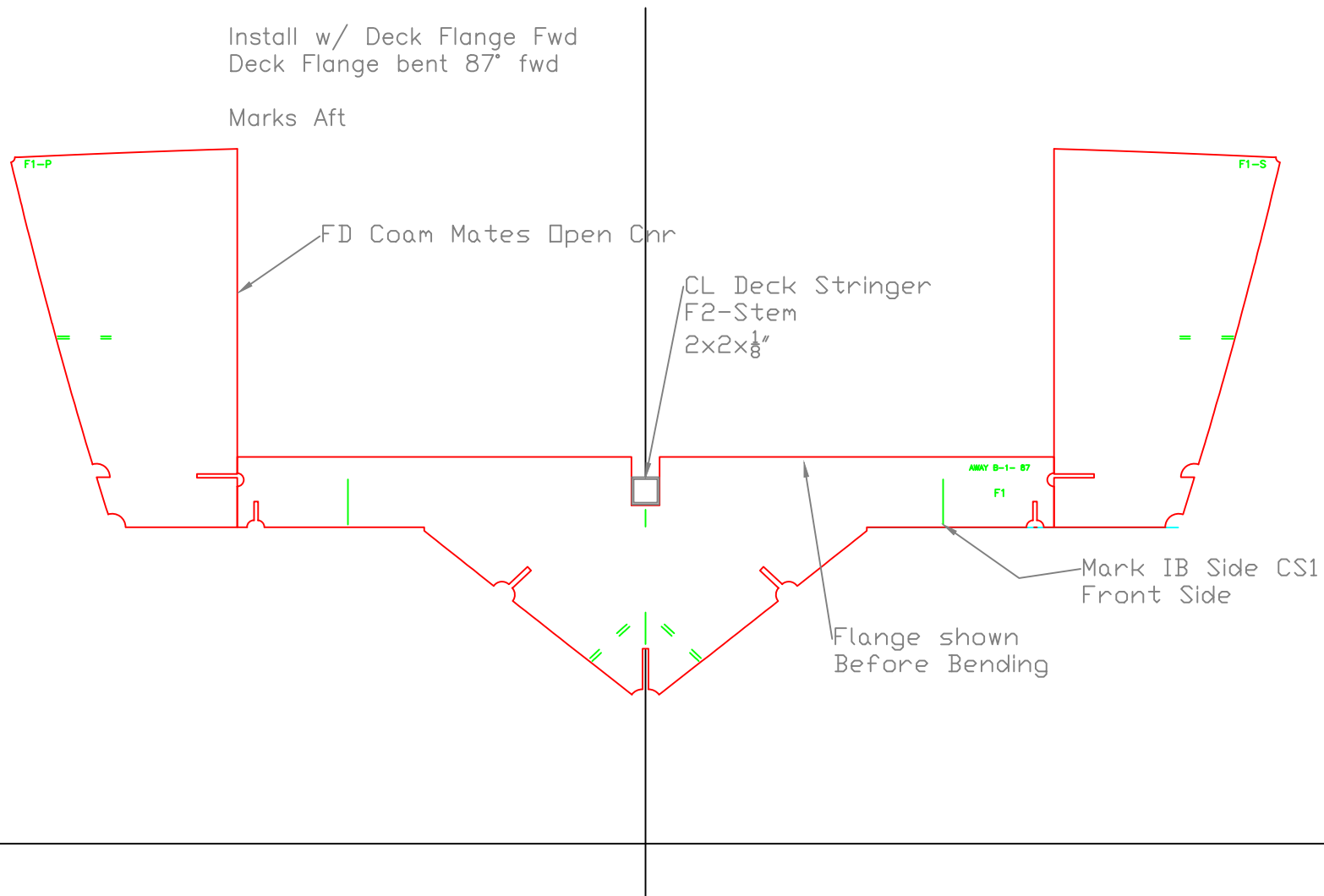
Response Marine, Inc.
 #357,224 VLC
 FRAME DIMENSIONS

5/8/10

Inches- sixteenths				
A	B	C	D	E

F1				
F2				
F3				
F4				
F5				
F6				

FRAME DIMENSIONS		
22'4" x 8'6" V Landing Craft		
SCALE	DES/DWN	DATE
NONE	WAL	5/8/10
Response Marine, Inc.		SHEET
Newburyport, MA, www.responsemarine.com	DWG NO. 357-F-R	



Install w/ Deck Flange Fwd
Deck Flange bent 87° fwd

Marks Aft

FD Coam Mates Open Chr

CL Deck Stringer
F2-Stem
2x2x $\frac{1}{8}$ "

AWAY B-1- 87
F1

Mark IB Side CS1
Front Side

Flange shown
Before Bending

FRAME 1

22'4" x 8'6" V Landing Craft

SCALE 1" = 1'	DES/DWN WAL	DATE 9/22/10
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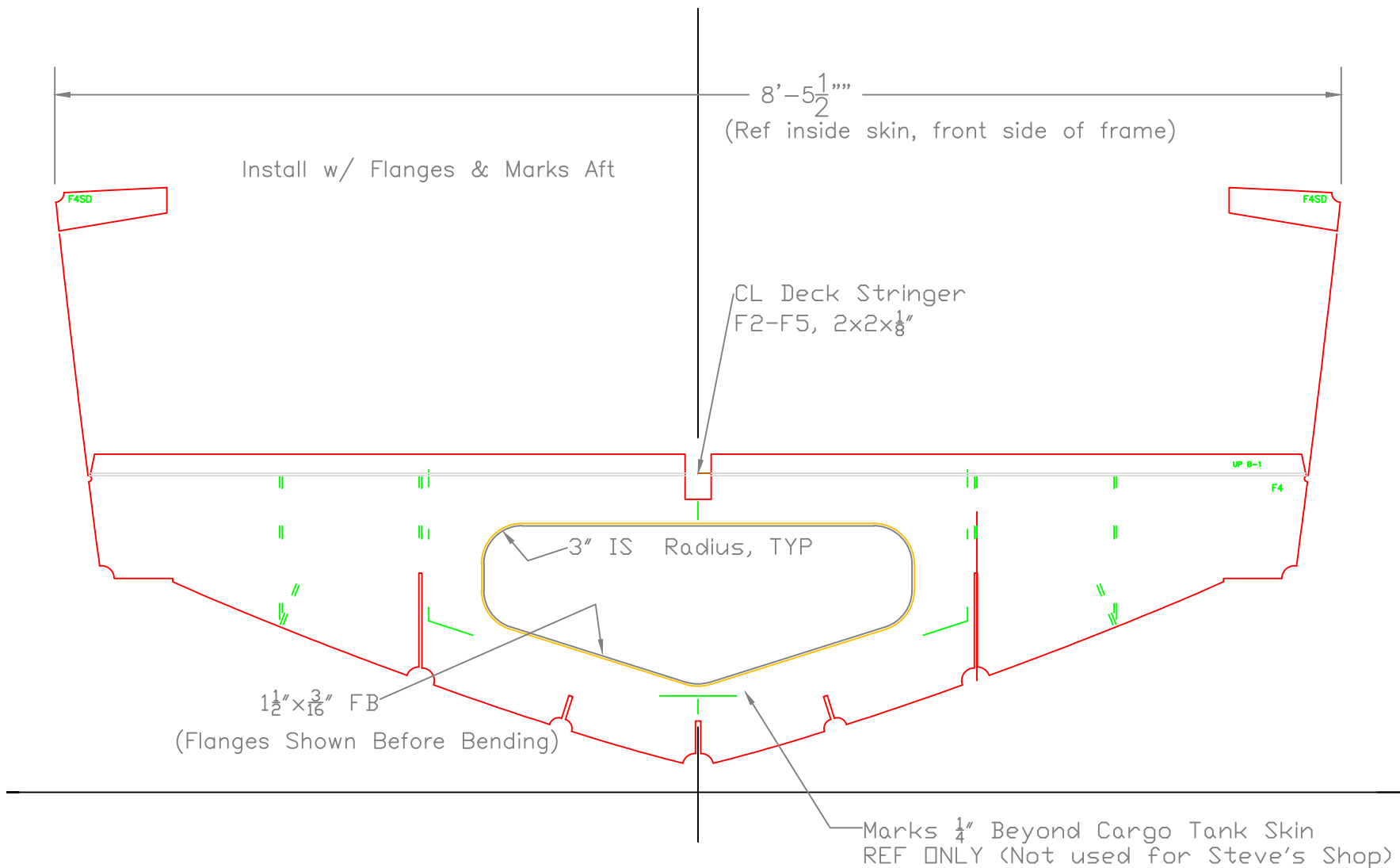
Response Marine, Inc.

Newburyport, MA, www.responsemarine.com

SHEET

DWG NO.
357-F-1

REV.	DESCRIPTION



FRAME 4

22'4\" x 8'6\" V Landing Craft

SCALE 1\" = 1'	DES/DWN WAL	DATE 9/22/10
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SHEET

Response Marine, Inc.

Newburyport, MA, www.responsemarine.com

DWG NO.
364-F-4

REV. DESCRIPTION