

Florida Fish and Wildlife Conservation Commission

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(850) 487-3427 (850) 921-2500 FAX

Managing fish and wildlife resources for their long-term well-being and the benefit of people.

620 South Meridian Street Tallahassee, Florida 32399-1600 Voice: (850) 488-4676

Hearing/speech-impaired: (800) 955-8771 (T) (800) 955-8770 (V)

MyFWC.com

DATE: December 8, 2011

ADDENDUM NO.: 1

BID NO.: FWC 11/12-33

BID TITLE: Repair of the Guardian Patrol Vessel

ADD Vendor Questions & FWC's Answers

If the COMMISSION finds it necessary to supplement, modify or interpret any portion of the specifications or documents during the ITB period an addendum shall be issued. An Addendum Acknowledgment Form shall be signed by an authorized vendor representative, dated, and returned to the COMMISSION prior to the opening date and time specified in the Calendar of Events.

Jerilyn Bailey Procurement Manager

#### ADDENDUM ACKNOWLEDGMENT FORM

VENDOR NAME:	_
VENDOR FEID#:	
ADDRESS:	
CITY/STATE:	
PHONE #:	
FAX #:	
E-MAIL:	
AUTHORIZED SIGNATURE:	
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#### **Vendor Questions and FWC Answers**

1. Question: Has it been decided which engines will be installed in the vessel? This affects the exhaust quotation.

Answer: The engine bid has not been awarded. We will require the yard to include pricing for the Cummins exhaust as it is the more complex system.

2. Question: Is there a specific format for hourly rates for welding, electrical, mechanical, etc?

Answer: Yes, see attached.

- 3. Question: Are any of the drawings available for tasks 12, 13, and 23?

  Answer: Yes, see installation drawings attached. Hydrofoil installation drawings will be provided with delivery of the hydrofoils
- 4. Question: Is there a specification or part number for the perforated aluminum headliner panels?

Answer: No. The "Otech" shippard is no longer in business and the panels can only be matched visually. If an exact match can't be located, the FWC Contract Manager may approve a suitable alternative.

5. Question: Do you know the manufacturer of these aluminum panels?

Answer: No. The "Otech" shipyard is no longer in business and the panels can only be matched visually. If an exact match can't be located, the FWC Contract Manager may approve a suitable alternative.

#### FORMAT FOR HOURLY RATES

## DOCKING AND LAY DAYS BASED ON VESSEL LENGTH PER FOOT/ PER DAY

HAUL LAY DAY DOCKAGE

#### PLATE AND SHAPES PER POUND

ALUMINUM 5083 / 5086 STEEL STAINLESS STEEL 304 / 316

#### WELDING SERVICES HOURLY

ALUMINUM STEEL

#### LABOR CRAFTS HOURLY

PAINTER
PAINTER HELPER
MACHINIST
MACHINIST HELPER
RIGGER

EQUIPMENT OPERATOR

OILER

PLUMBER/PIPEFITTER

PLUMBER/PIPEFITTER HELPER

**ELECTRICIAN** 

ELECTRICIAN HELPER

LABORER

DIESEL/GAS ENGINE MECHANIC

**ELECTRONICS TECHNICIAN** 

ELECTRONICS TECHNICIAN HELPER

CARPENTER

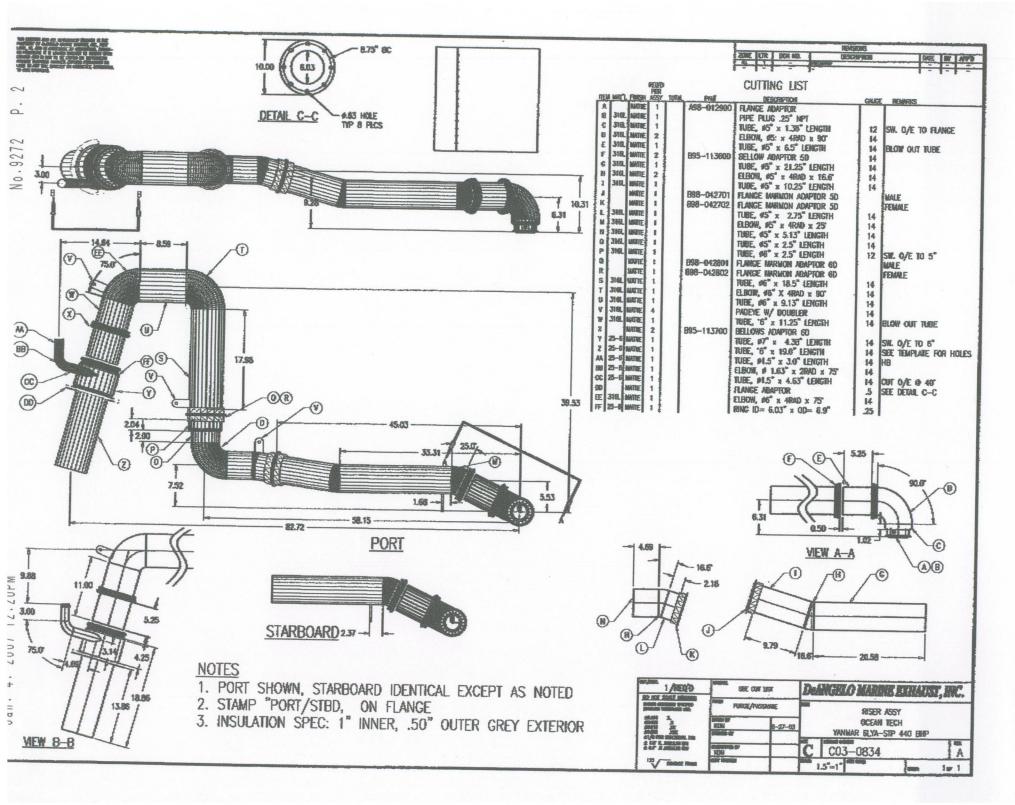
CARPENTER HELPER

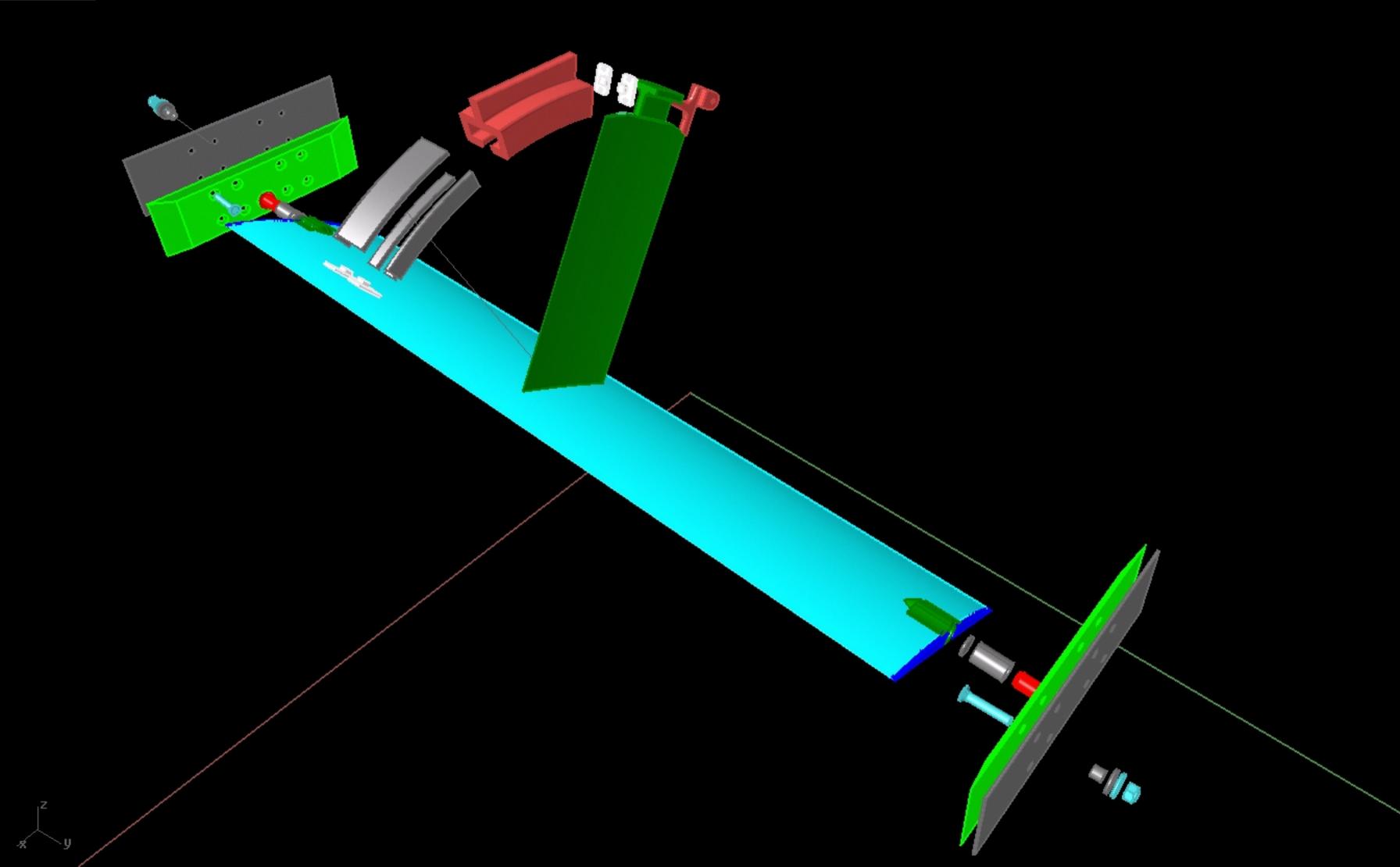
SHEET METAL WORKER

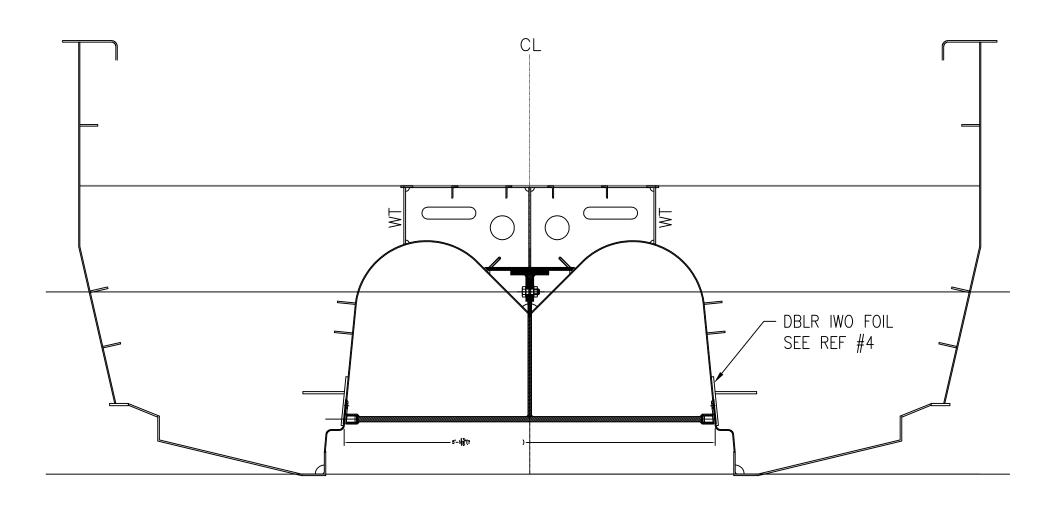
SHEET METAL HELPER

## MATERIALS, COMPONENTS AND SYSTEMS BASED ON PERCENTAGE DISCOUNT OFF LIST PRICE

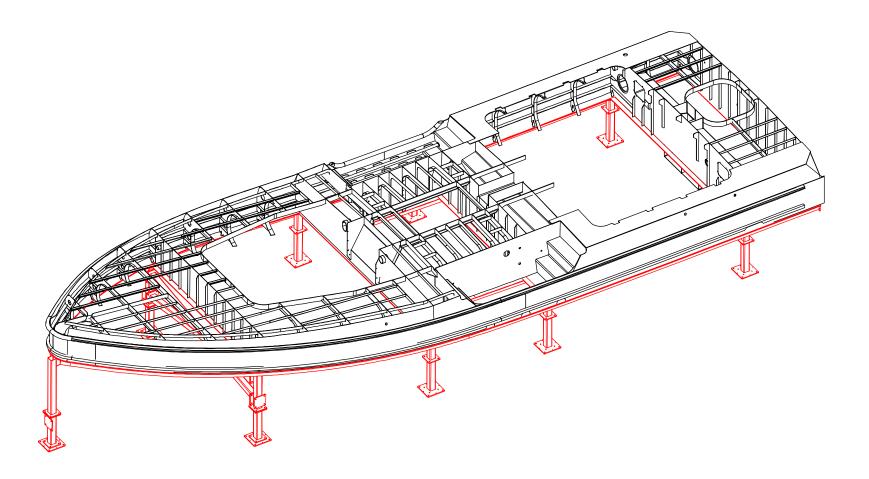
MATERIALS COMPONENTS SYSTEMS







## WP 236



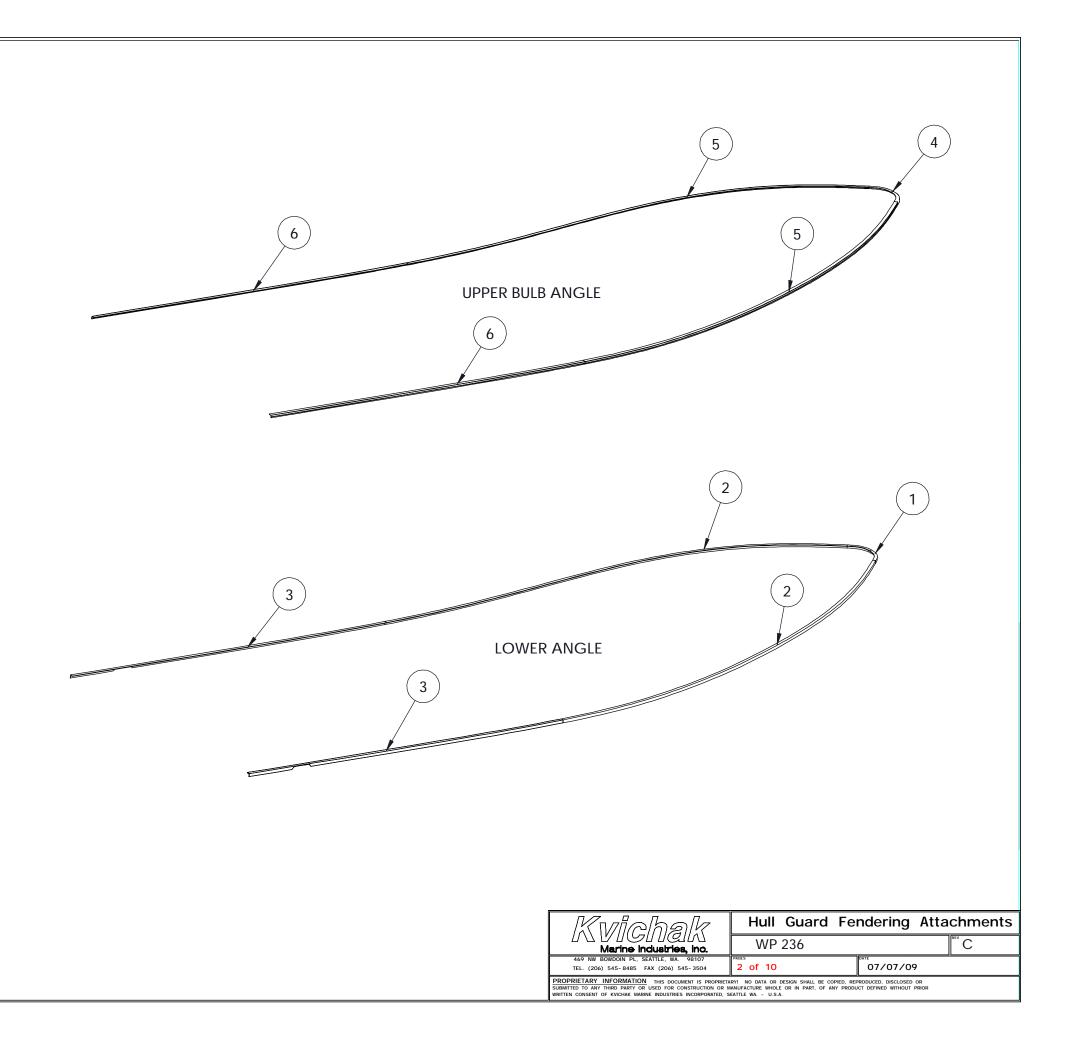
## Hull Guard Fendering Attachments Deck Fab

Kvichak	Hull Guard Fe	endering Atta	chments
Marine Industries, Inc.	WP 236		C
469 NW BOWDOIN PL, SEATTLE, WA. 98107 TEL. (206) 545-8485 FAX (206) 545-3504	1 of 10	07/07/09	
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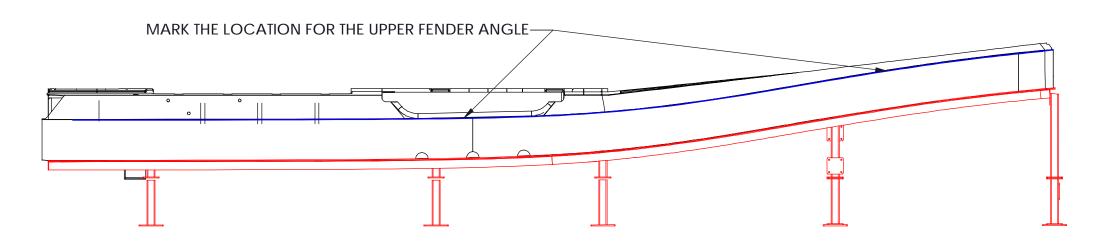
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PAI	RTS LIST				N STOCK SUB-ASSY	
ITEM NO.	Part/Sub a No.	SSY	QTY.	DESCRIPTION	KMI PART NO.	ID CODE
1	114-001-00	06	1	ANGLE BOW SECTION	205283	N/A
2	114-001-00	02	2	ANGLE, 5086, .250 X 1.750 X 1.75	0 205283	N/A
3	114-001-00	80	2	ANGLE, 5086, .250 X 1.750 X 1.75	0 205283	N/A
4	114-001-00	05	1	BULB ANGLE BOW SECTION	205272	N/A
5	114-001-00	01	2	BULB ANGLE, 5086, .250 x 2.500 x 1.500	205272	N/A
6	114-001-00	07	2	BULB ANGLE, 5086, .250 x 2.500 x 1.500	205272	N/A

ID CODE LEGEND



#### Assembly/Install Instructions:



FENDER DIMENSIONS ARE LOCATED ON PAGES 4, 5, AND 6

- Inspection & Test:

  Fabrication / Insp.

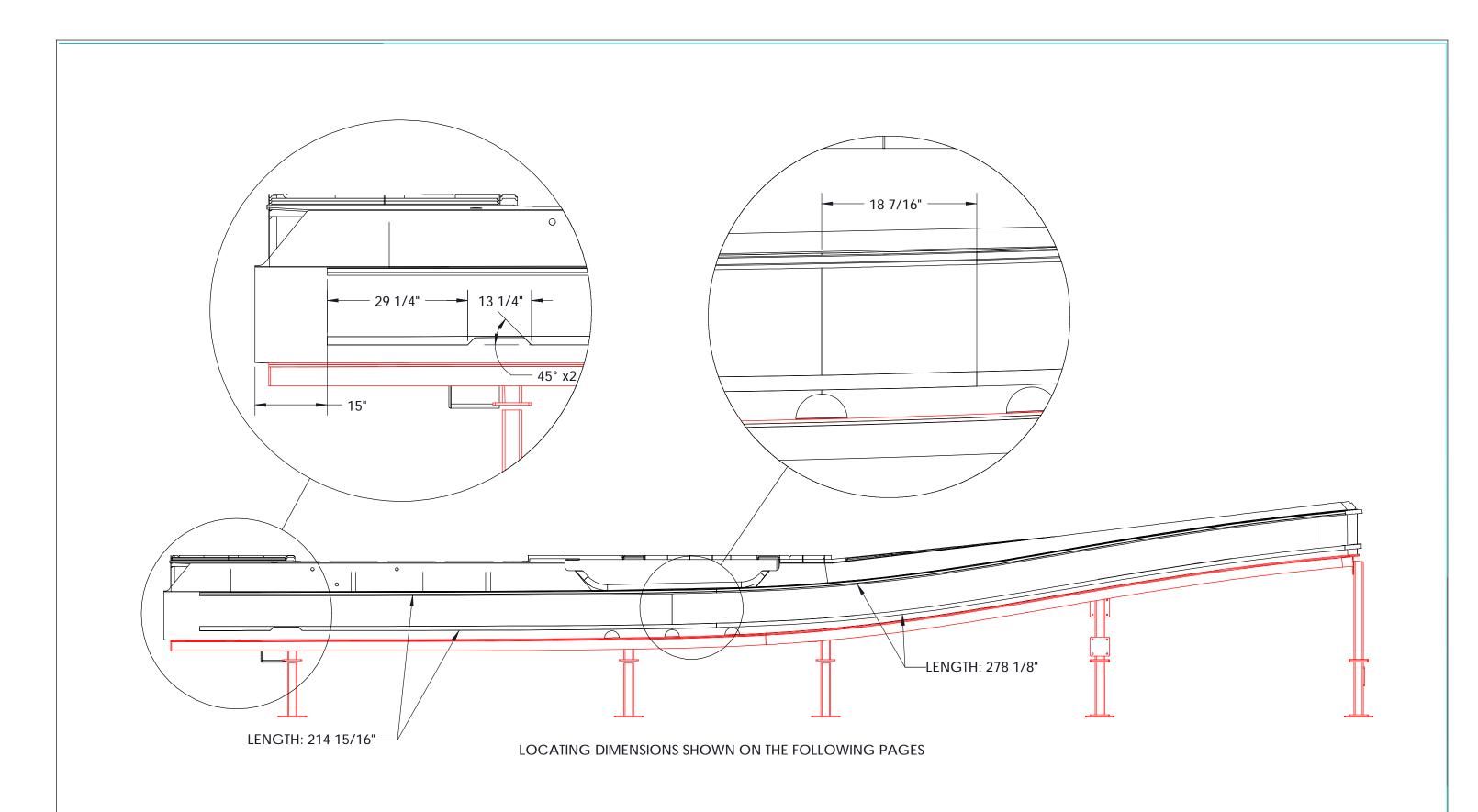
  Super. sign-off.

  Verify configuration & all parts in place.

  Verify fendering attachment dimensions.

  Inspection sign-off.

Kvichak	Hull Guard Fendering At	tachments
Marine Industries, Inc.	WP 236	REV C
469 NW BOWDOIN PL, SEATTLE, WA. 98107 TEL. (206) 545-8485 FAX (206) 545-3504	3 of 10 DATE 07/07/09	·



- Inspection & Test:

  Fabrication / Insp.

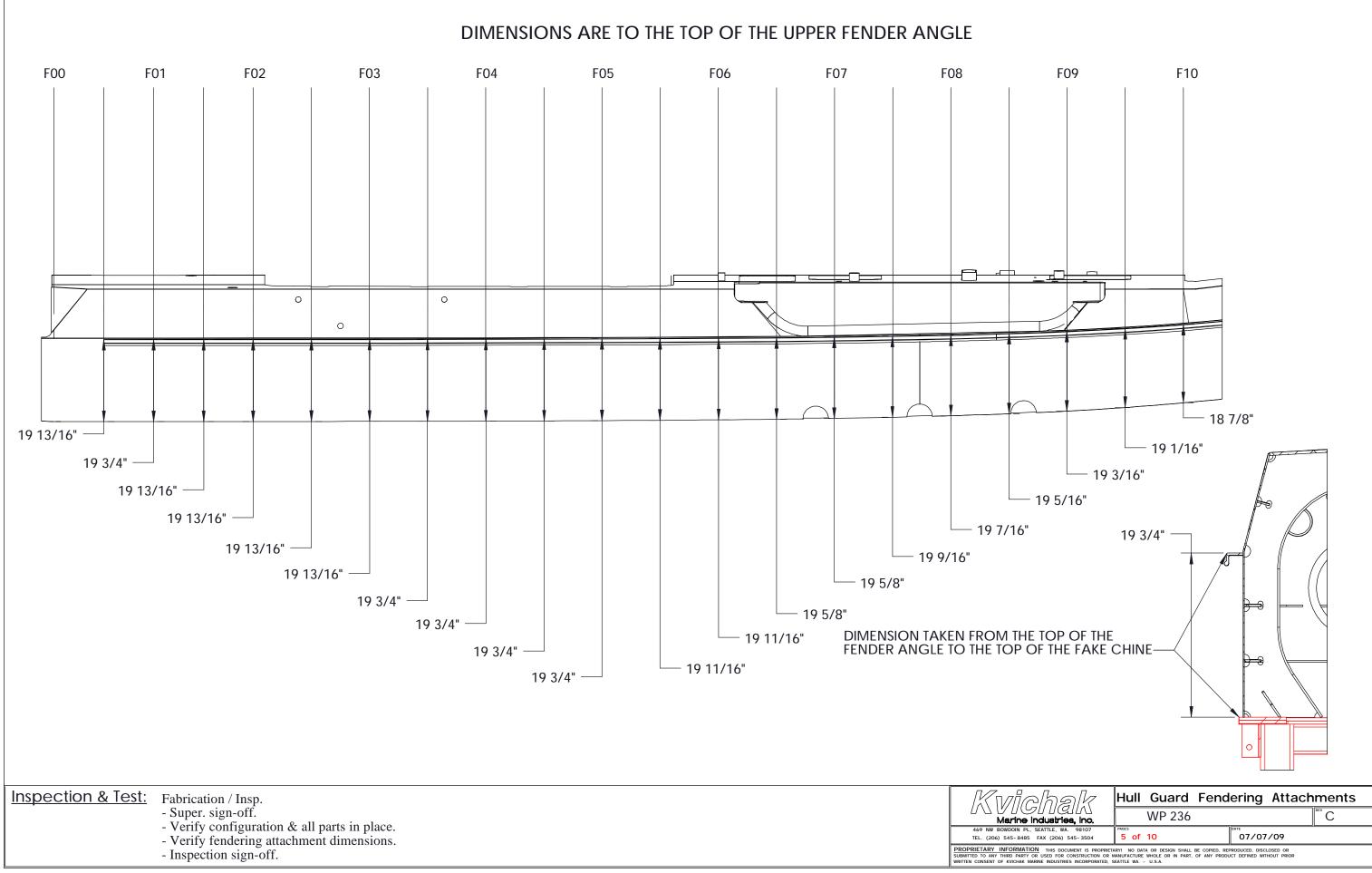
   Super. sign-off.

   Verify configuration & all parts in place.

   Verify fendering attachment dimensions.

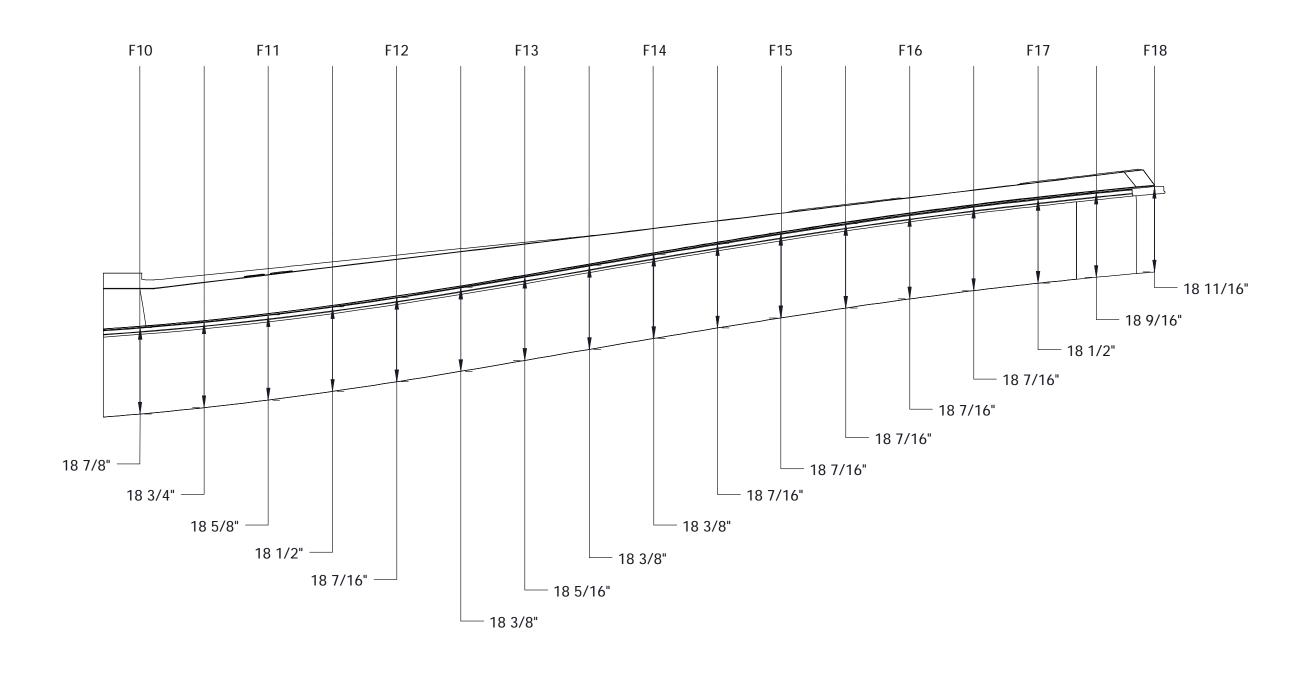
   Inspection sign-off.

Hull Guard Fendering Attachments KVIGNAK Marine Industries, Inc. WP 236 C 07/07/09



Marine Industries, Inc. WP 236 07/07/09

#### DIMENSIONS ARE TO THE TOP OF THE UPPER FENDER ANGLE

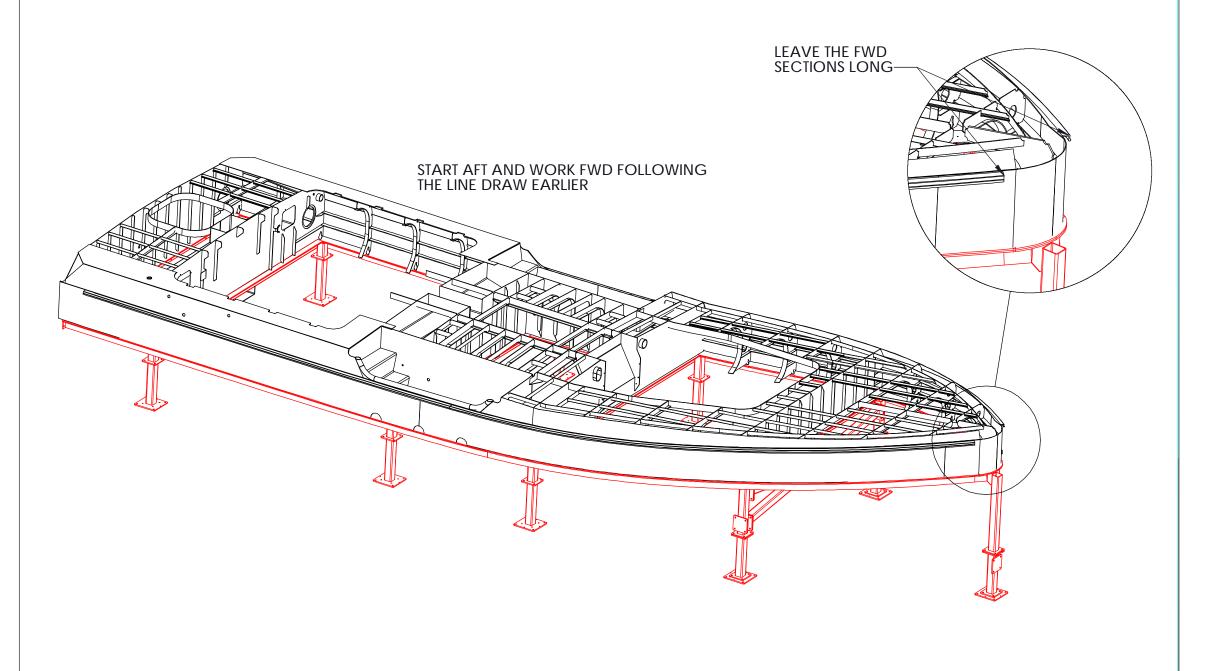


# Inspection & Test: - Super. sign-off. - Verify configuration & all parts in place. - Verify fendering attachment dimensions. - Inspection sign-off.

Kwichak	Hull Guard Fende	ering Attachments
Marine Industries, Inc.	WP 236	REV C
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#### Assembly/Install Instructions:

Start aft tacking on the angles below the line drawn. Put all tacks on the top side. Make sure you keep the angle 90° to the side shell.



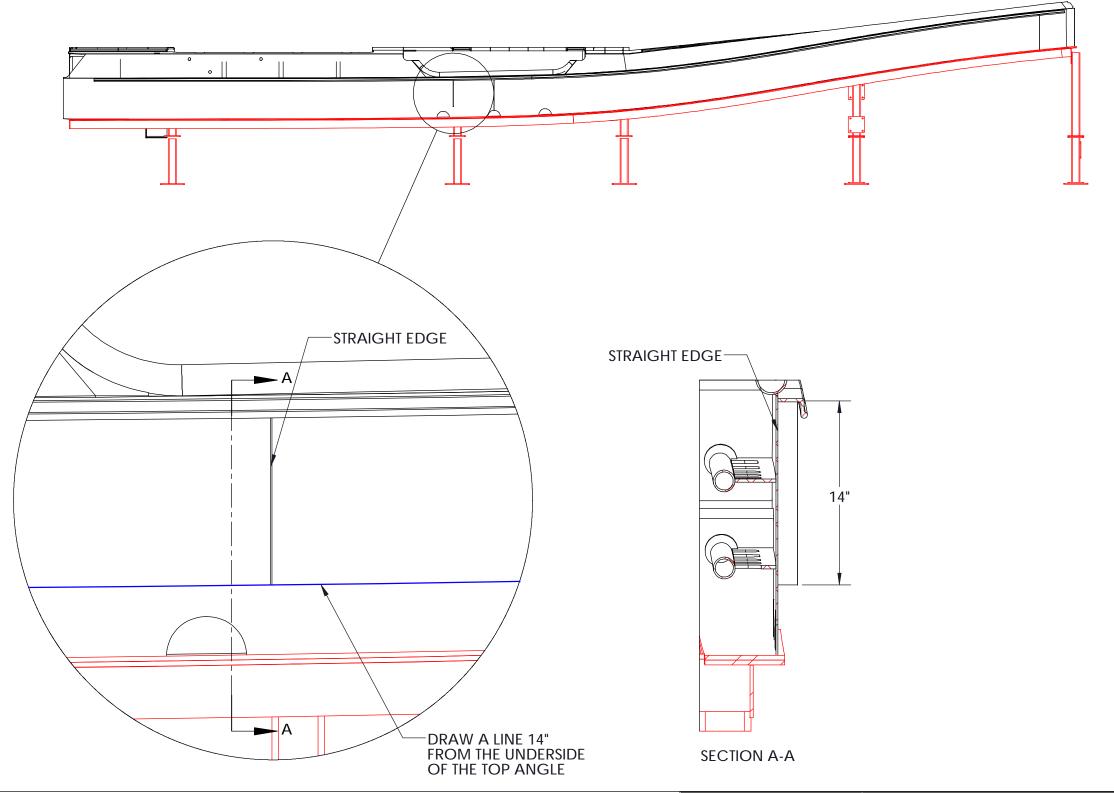
Inspection & Test:

- Super. sign-off.
- Verify configuration & all parts in place.
- Verify fendering attachment dimensions.
- Inspection sign-off.

Kvichak	Hull Guard Fende	ering Attachments
Marine Industries, Inc.	WP 236	REV C
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#### Assembly/Install Instructions:

After the top angle is tacked, use a spacer that measures 14" long to mark a line all the way down the lengthof the boat. This line is for the lower angle.



#### Inspection & Test: Fabrication / Insp.

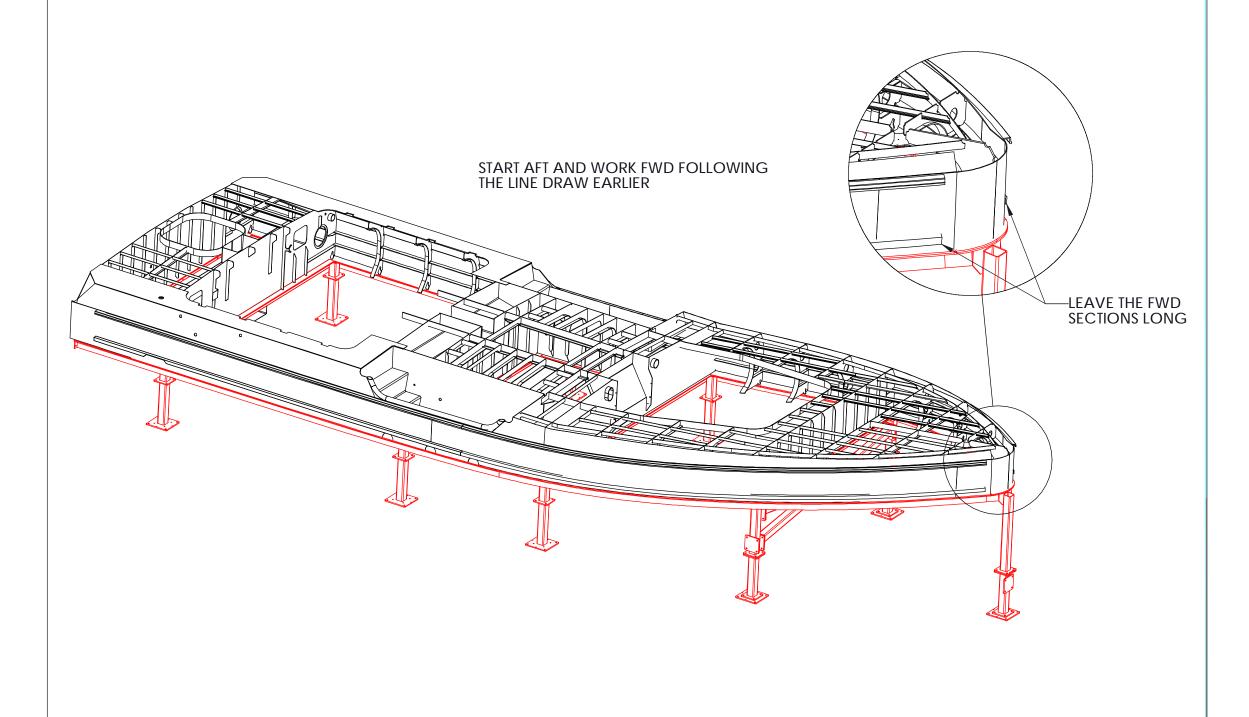
- Super. sign-off.
  Verify configuration & all parts in place.
  Verify fendering attachment dimensions.
  Inspection sign-off.

Hull Guard Fendering Attachments Marine Industries, Inc. WP 236 469 NW BOWDOIN PL, SEATTLE, WA. 98107 TEL. (206) 545-8485 FAX (206) 545-3504 07/07/09

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#### Assembly/Install Instructions:

1. Install the lower angle the same as the top.



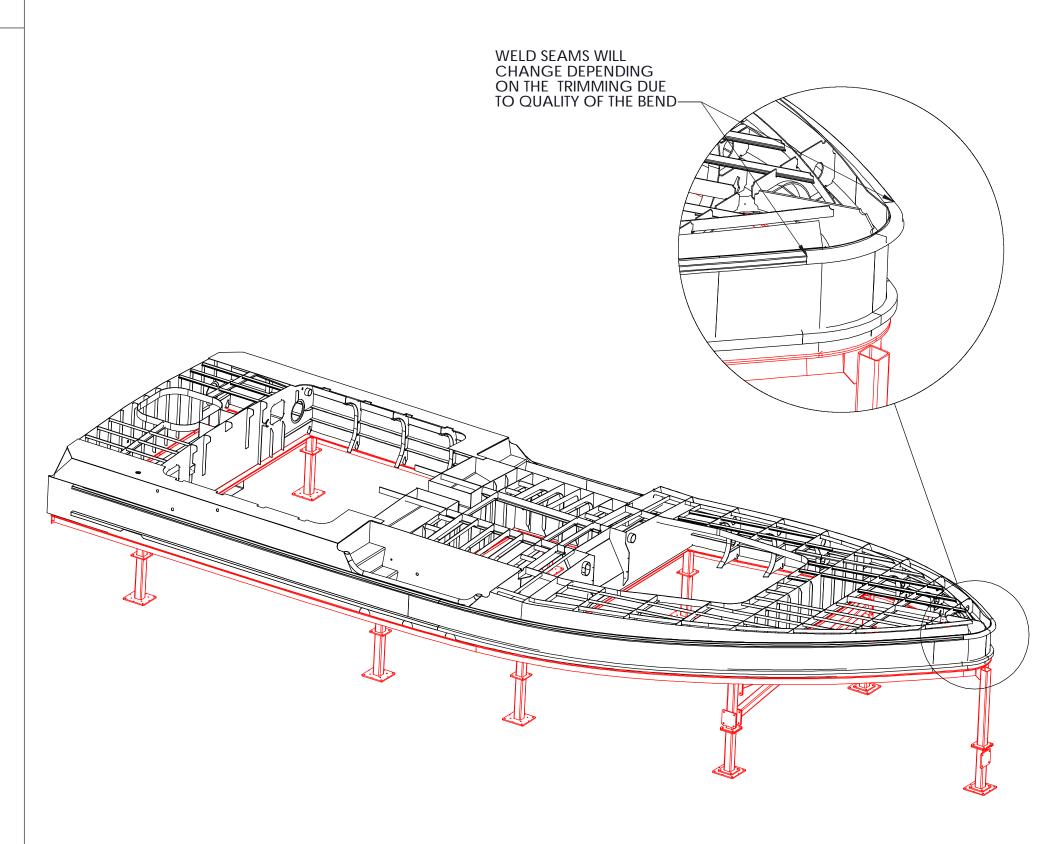
Inspection & Test:

Fabrication / Insp.
- Super. sign-off.
- Verify configuration & all parts in place.
- Verify fendering attachment dimensions.
- Inspection sign-off.

Hull Guard Fendering Attachments KVĪGNAK Marine Industries, Inc. WP 236 07/07/09

#### Assembly/Install Instructions:

Install the bow angle sections. Fit the angle around the bow section so it is snug to the side shell. Trimming will be be required for fit up. Once done tack on the top side only.



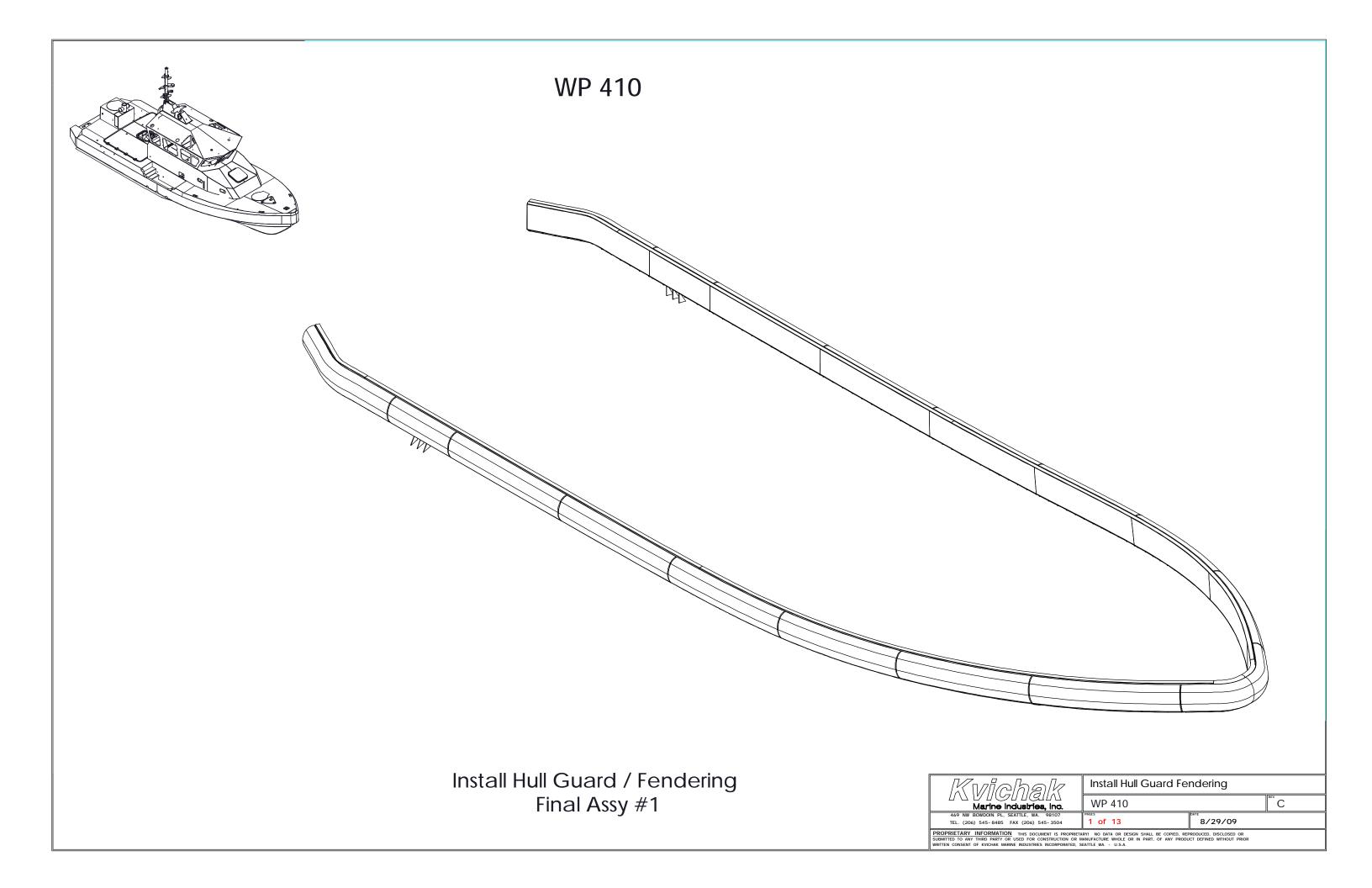
Inspection & Test:

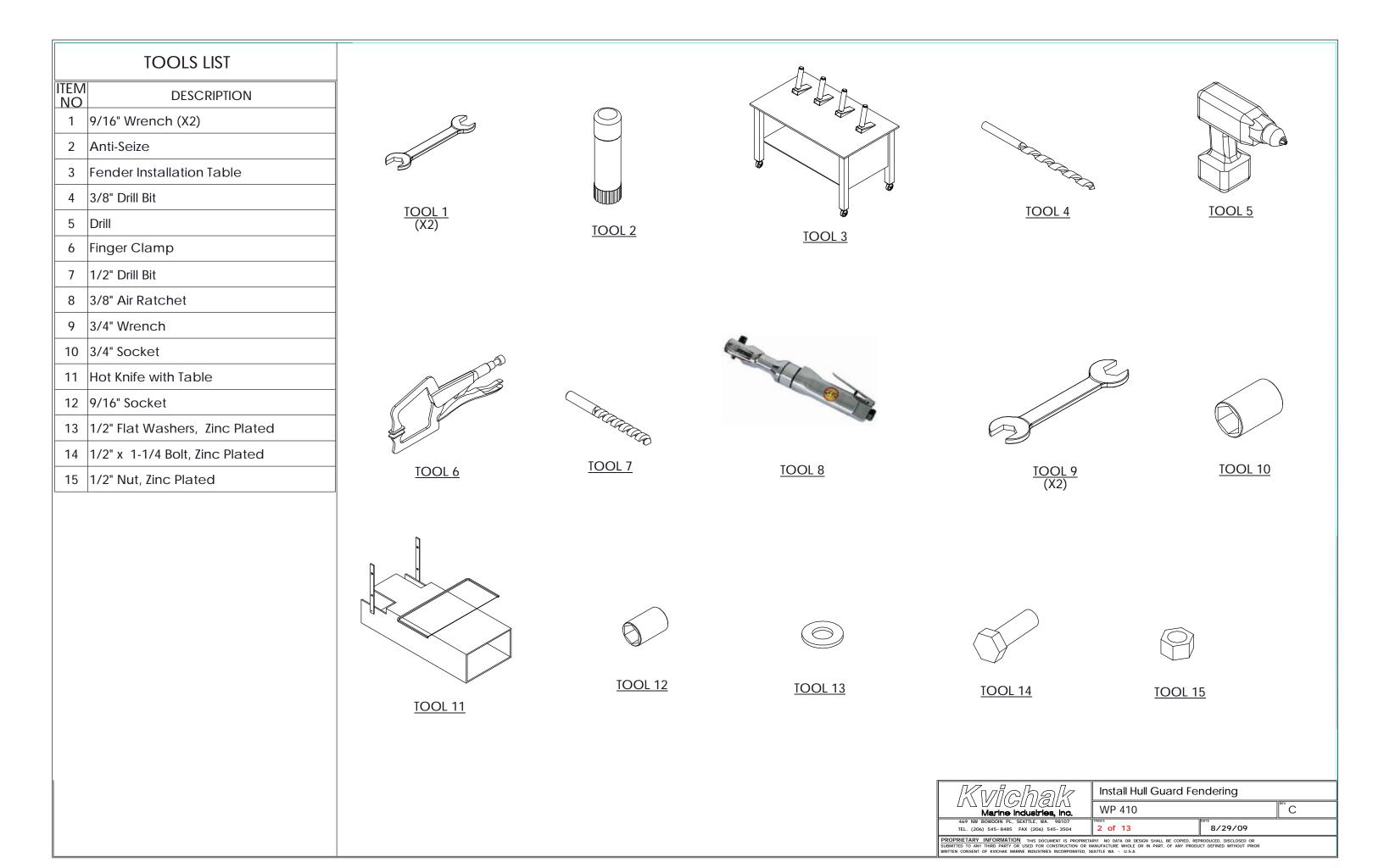
Fabrication / Insp.

Super. sign-off.
Verify configuration & all parts in place.
Verify fendering attachment dimensions.
Inspection sign-off.

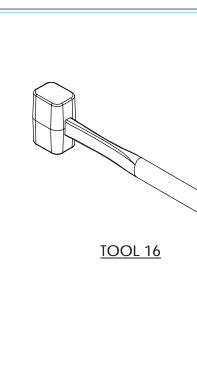
Marine Industries, Inc. Hull Guard Fendering Attachments WP 236 W BOWDOIN PL, SEATTLE, WA. 98107 07/07/09

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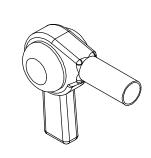




ITEM NO  DESCRIPTION  16 Large Hammer  17 3" Ratchet Straps (X3)  18 Heat Gun  19 Heel Bars (X2)  20 Roller Router  21 Compression Plates  22 Fender Removal Tool  23 Super Lube  24 Tape Measure  25 Utility Knife		TOOLS LIST
17 3" Ratchet Straps (X3)  18 Heat Gun  19 Heel Bars (X2)  20 Roller Router  21 Compression Plates  22 Fender Removal Tool  23 Super Lube  24 Tape Measure	I	DESCRIPTION
18 Heat Gun  19 Heel Bars (X2)  20 Roller Router  21 Compression Plates  22 Fender Removal Tool  23 Super Lube  24 Tape Measure	16	Large Hammer
19 Heel Bars (X2) 20 Roller Router 21 Compression Plates 22 Fender Removal Tool 23 Super Lube 24 Tape Measure	17	3" Ratchet Straps (X3)
20 Roller Router 21 Compression Plates 22 Fender Removal Tool 23 Super Lube 24 Tape Measure	18	Heat Gun
21 Compression Plates 22 Fender Removal Tool 23 Super Lube 24 Tape Measure	19	Heel Bars (X2)
22 Fender Removal Tool 23 Super Lube 24 Tape Measure	20	Roller Router
23 Super Lube 24 Tape Measure	21	Compression Plates
24 Tape Measure	22	Fender Removal Tool
'	23	Super Lube
25 Utility Knife	24	Tape Measure
	25	Utility Knife









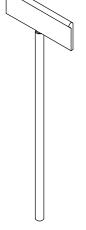
TOOL 17 (X3)

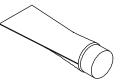
<u>TOOL 18</u>

TOOL 19 (X2)





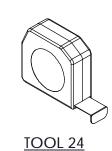




**TOOL 20** 

**TOOL 21** 

<u>TOOL 22</u> <u>TOOL 23</u>





**TOOL 25** 

Install Hull Guard Fendering

WP 410

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	ID CODE LEGEND					
PARTS	LIST			CLUDED B = BIN STOCK MACHINED PART SUB = SUB-ASSEMBLY		
ITEM NO.	PART/	ASSY	QTY.	DESCRIPTION	ID CODE	
1	2050	063	1	BOW FENDER SEGMENT	NA	
2	2075	580	1	FENDER SEGMENT, PORT 1	NA	
3	2075	581	1	FENDER SEGMENT, STBD 1	NA	
4	2075	582	1	FENDER SEGMENT, PORT 2	NA	
5	5 207583		1	FENDER SEGMENT, STBD 2	NA	
6	2075	584	1	FENDER SEGMENT, PORT 3	NA	
7	2075	585	1	FENDER SEGMENT, STBD 3	NA	
8	2075	586	1	FENDER SEGMENT, PORT 4	NA	
9	2075	587	1	FENDER SEGMENT, STBD 4	NA	
10	2050	064	1	FENDER SEGMENT, PORT 5	NA	
11	2050	065	1	PORT AFT CORNER FENDER SEGMENT	NA	
12	2075	579	1	STBD AFT CORNER FENDER SEGMENT	NA	











ITEM 2

ITEM 3

ITEM 4

ITEM 5



ITEM 1











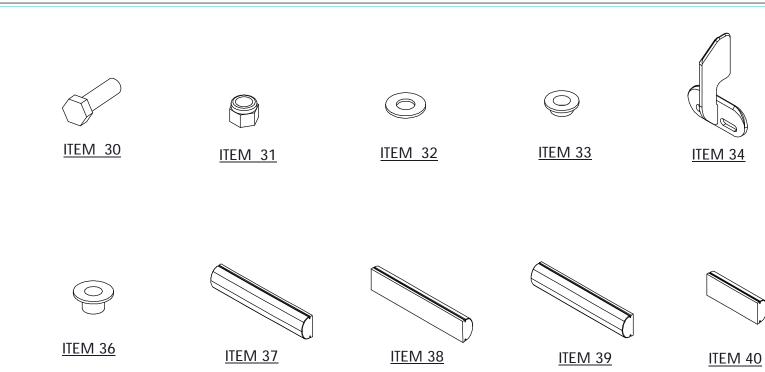
<u>ITEM 11</u>





			ID.	OODE LECEND							
<b>PARTS</b>	LIST	I = I	NCLUDED	B = BIN STOCK							
ITEM NO	PART/ASSY	QTY.	MACHINED PART	SUB = SUB-ASSEMBLY  DESCRIPTION	ID CODE						
13	114-001- 0003A	1	BOW, CUSTO	M RBM LOWER FENDER	NA						
14	114-001- 0003B	1	SECTION #1 F	PORT, CUSTOM RBM LOWER INTING BULB EXTRUSION	NA						
15	114-001- 0003C	1	SECTION #1 S	STBD, CUSTOM RBM LOWER INTING BULB EXTRUSION	NA	ITENA 12	<b>V</b>			ITEM 1	ITEM 17
16	114-001- 0003D	1	SECTION #2 F	PORT, CUSTOM RBM LOWER INTING BULB EXTRUSION	NA	ITEM 13	<u>ITEM 14</u>	<u>II.</u>	<u>EM 15</u>	<u>ITEM 16</u>	IILIVI 17
17	114-001- 0003E	1	SECTION #2 S	STBD, CUSTOM RBM LOWER INTING BULB EXTRUSION	NA						
18	114-001- 0003F	1	SECTION #3 F	PORT, CUSTOM RBM LOWER INTING BULB EXTRUSION	NA						
19	114-001- 0003G	1	SECTION #3 S	STBD, CUSTOM RBM LOWER INTING BULB EXTRUSION	NA						
20	114-001- 0003H	1	SECTION #4 F	PORT, CUSTOM RBM LOWER INTING BULB EXTRUSION	NA						
21	114-001- 0003J	1	SECTION #4 S FENDER MOU	STBD, CUSTOM RBM LOWER INTING BULB EXTRUSION	NA	ITEM 18	JTEN 40				
22	114-001- 0003K	1	SECTION #5 F FENDER MOU	PORT, CUSTOM RBM LOWER INTING BULB EXTRUSION	NA		ITEM 19		ITEM 20	<u>ITEM 21</u>	<u>ITEM 22</u>
23	114-001- 0003L	1	SECTION #5 S FENDER MOU	STBD, CUSTOM RBM LOWER INTING BULB EXTRUSION	NA						
24	114-001- 0003M	1	SECTION #6 F	PORT, CUSTOM RBM LOWER INTING BULB EXTRUSION	NA						
25	114-001- 0003N	1	SECTION #6 S FENDER MOU	STBD, CUSTOM RBM LOWER INTING BULB EXTRUSION	NA						
26	114-001- 0003P	1	MAKE-UP SEC LOWER FEND	CTION PORT, CUSTOM RBM ER MOUNTING BULB EXTRUSION	NA						
27	114-001- 0003Q	1		CTION STBD, CUSTOM RBM ER MOUNTING BULB EXTRUSION	NA						
28	114-001- 0003R	1	AFT SECTION FENDER MOU	PORT, CUSTOM RBM LOWER INTING BULB EXTRUSION	NA						
29	114-001- 0003S	1		STBD, CUSTOM RBM LOWER INTING BULB EXTRUSION	NA	<u>ITEM 23</u>	<u>ITE</u>	<u>M 24</u>	ITEM 25	ITEI	M 26 ITEM 2
									a	Install	Hull Guard Fendering
						ITEM 28	<u>.</u>	<u>ITEM 29</u>	Mat/II	WP 41	l REV
							-	······· <u> </u>	469 NW BOWDOIN TEL. (206) 545-8	PL, SEATTLE, WA. 98107 485 FAX (206) 545-3504  PAGES  5 Of 1	
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ID CODE LEGEND					
PARTS	LIST			CLUDED B = BIN STOCK MACHINED PART SUB = SUB-ASSEMBLY	
ITEM NO.	PART/	ASSY	QTY.	DESCRIPTION	ID CODE
30	1176	597	173	SCREW HEX CAP, 316, .375-16 x 1.250	В
31	1173	397	189	NUT NYLOCK, 316, .375-16	В
32	1173	396	378	WASHER FLAT, 316, .375	В
33	2049	911	362	WASHER SHOULDER, NYLON, .375ID x .500OD x .188L x .063 THICK, WASUSA 12SWS2556	В
34	410-	001	8	FENDR STOP	SUB
35	1182	202	16	SCREW HEX CAP, 316, 375-16 x 1.500	В
36	2115	555	16	WASHER, SHOULDER, NYLON, .386 ID x .484 OD x .375 LENGTH x .875 FLANGE OD x .062 FLANGE THICKNESS, WASHERSUSA.COM 12SWS3515	В
37	2050	064	1	FENDER SEGMENT, STDB 5	NA
38	2050	064	1	FENDER SEGMENT, PORT 6	NA
39	2050	064	1	FENDER SEGMENT, STDB 6	NA
40	2050	064	1	FENDER SEGMENT, PORT 7	NA
41	2050	064	1	FENDER SEGMENT, STDB 7	NA

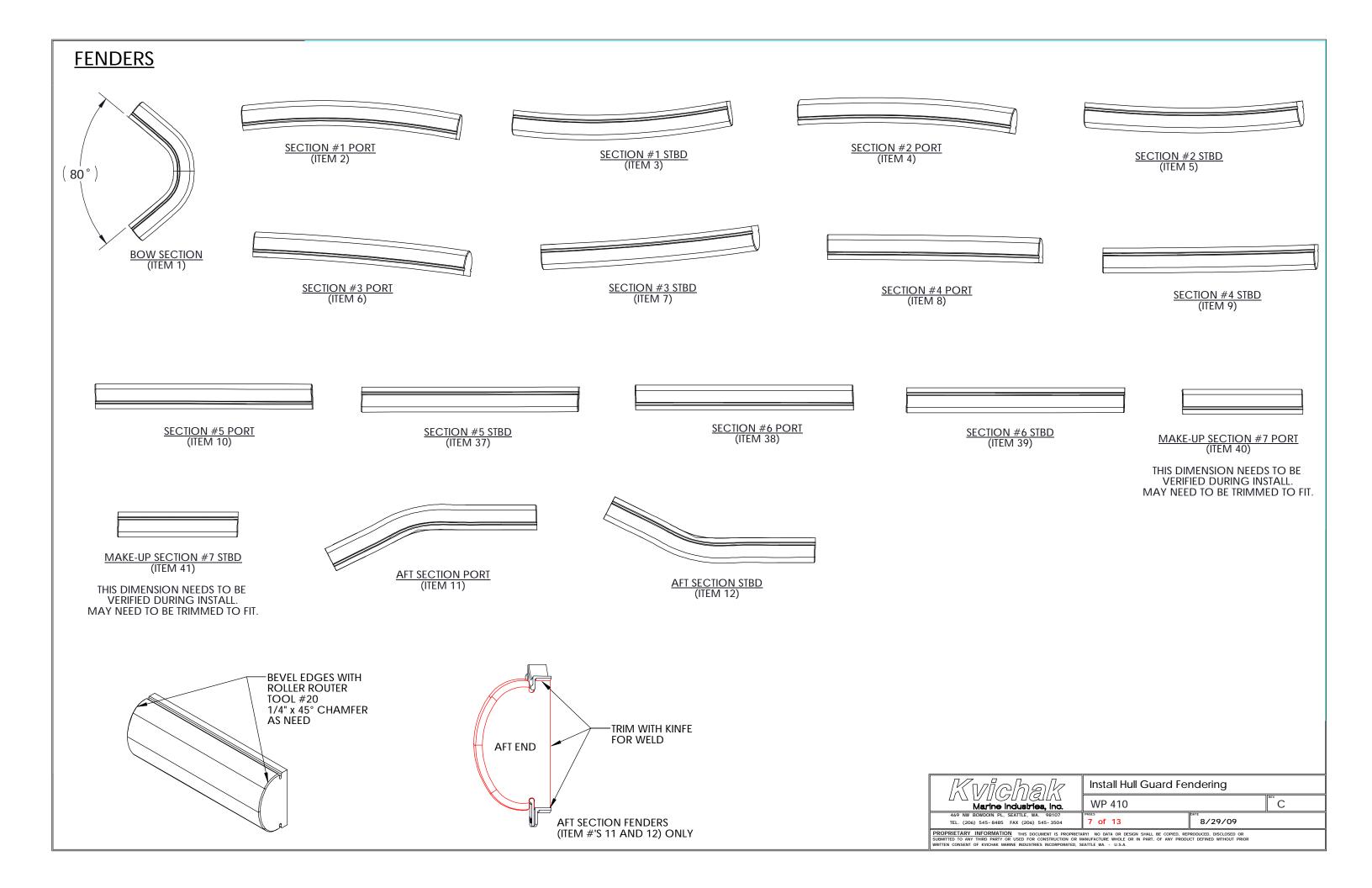




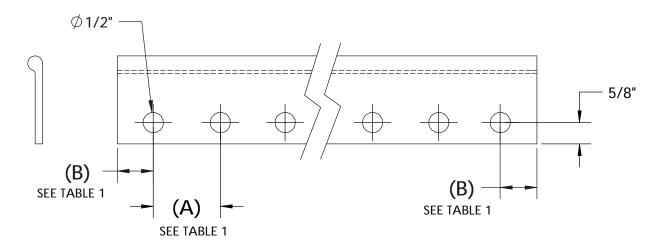
<u>ITEM 35</u>

<u>ITEM 41</u>

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### FLAT BAR



	FLAT FLAT-	#	(A)	(B)	(B)
FENDER SECTION	BAR LENGTHS	BOLTS	CALCULATED SPACING	FWD END	AFT END
BOW (ITEM 13)	57 3/16	11	5 9/16	3/4	3/4
SECTION #1 PORT (ITEM 14)	68 13/16	12	6 1/8	3/4	3/4
SECTION #1 STBD. (ITEM 15)	68 13/16	12	6 1/8	3/4	3/4
SECTION #2 PORT (ITEM 16)	69	12	6 1/8	3/4	3/4
SECTION #2 STBD. (ITEM 17)	69	12	6 1/8	3/4	3/4
SECTION #3 PORT (ITEM 18)	69 7/8	12	6 1/4	3/4	3/4
SECTION #3 STBD. (ITEM 19)	69 7/8	12	6 1/4	3/4	3/4
SECTION #4 PORT (ITEM 20)	69 1/8	12	6 1/8	3/4	3/4
SECTION #4 STBD. (ITEM 21)	69 1/8	12	6 1/8	3/4	3/4
SECTION #5 PORT (ITEM 22)	69 7/8	12	6 1/4	3/4	3/4
SECTION #5 STBD. (ITEM 23)	69 7/8	12	6 1/4	3/4	3/4
SECTION #6 PORT (ITEM 24)	70	12	6 1/4	3/4	3/4
SECTION #6 STBD. (ITEM 25)	70	12	6 1/4	3/4	3/4
MAKE-UP SECTION PORT (ITEM 26)	39 1/16	5	SPACING VARIES	3/4	3/4
MAKE-UP SECTION STBD (ITEM 27)	39 1/16	5	SPACING VARIES	3/4	3/4
AFT SECTION PORT (ITEM 28)	67 3/4	12	6	3/4	1
AFT SECTION STBD (ITEM 29)	67 3/4	12	6	3/4	1

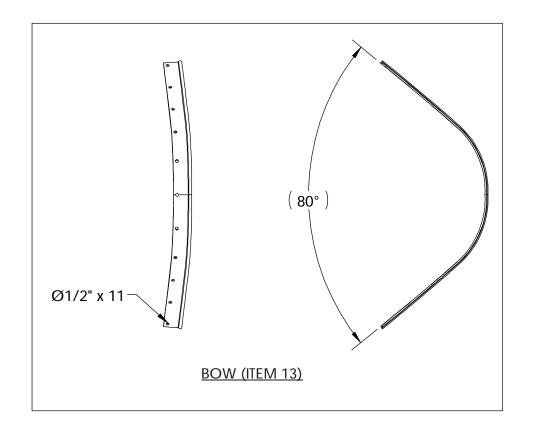
#### TABLE 1

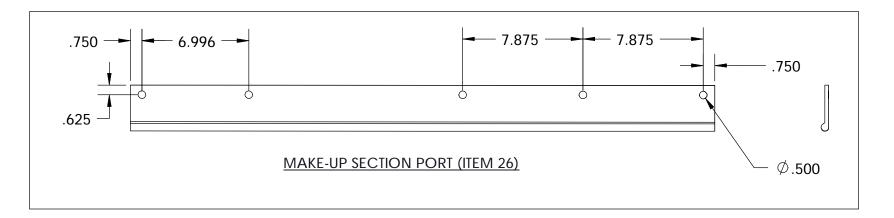
IMPORTANT: END HOLES SHALL BE 3/4" FROM EACH END EXCEPT FOR THE AFT BOLT THAT IS 1" FROM THE END FLAT BAR SHALL BE CENTERED ON EACH INSTALLED FENDER SECTION.

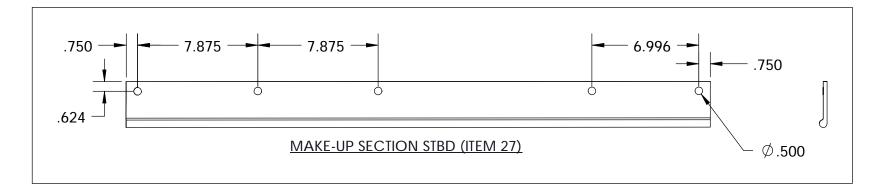
IDEALLLY THE SPACING SHOULD BE 3/4" BETWEEN FLAT BAR BUT IT IS MORE IMPORTANT TO CENTER THEM ON EACH DENDER SECTION.

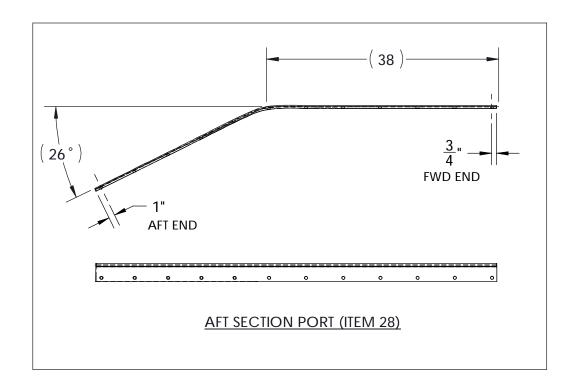
Kwichak	Install Hull Guard Fe	ndering					
Marine Industries, Inc.	WP 410		C				
469 NW BOWDOIN PL, SEATTLE, WA. 98107 TEL. (206) 545-8485 FAX (206) 545-3504	8 of 13	8/29/09					
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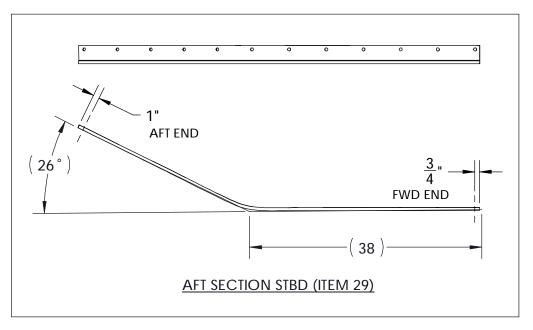
## FLAT BAR



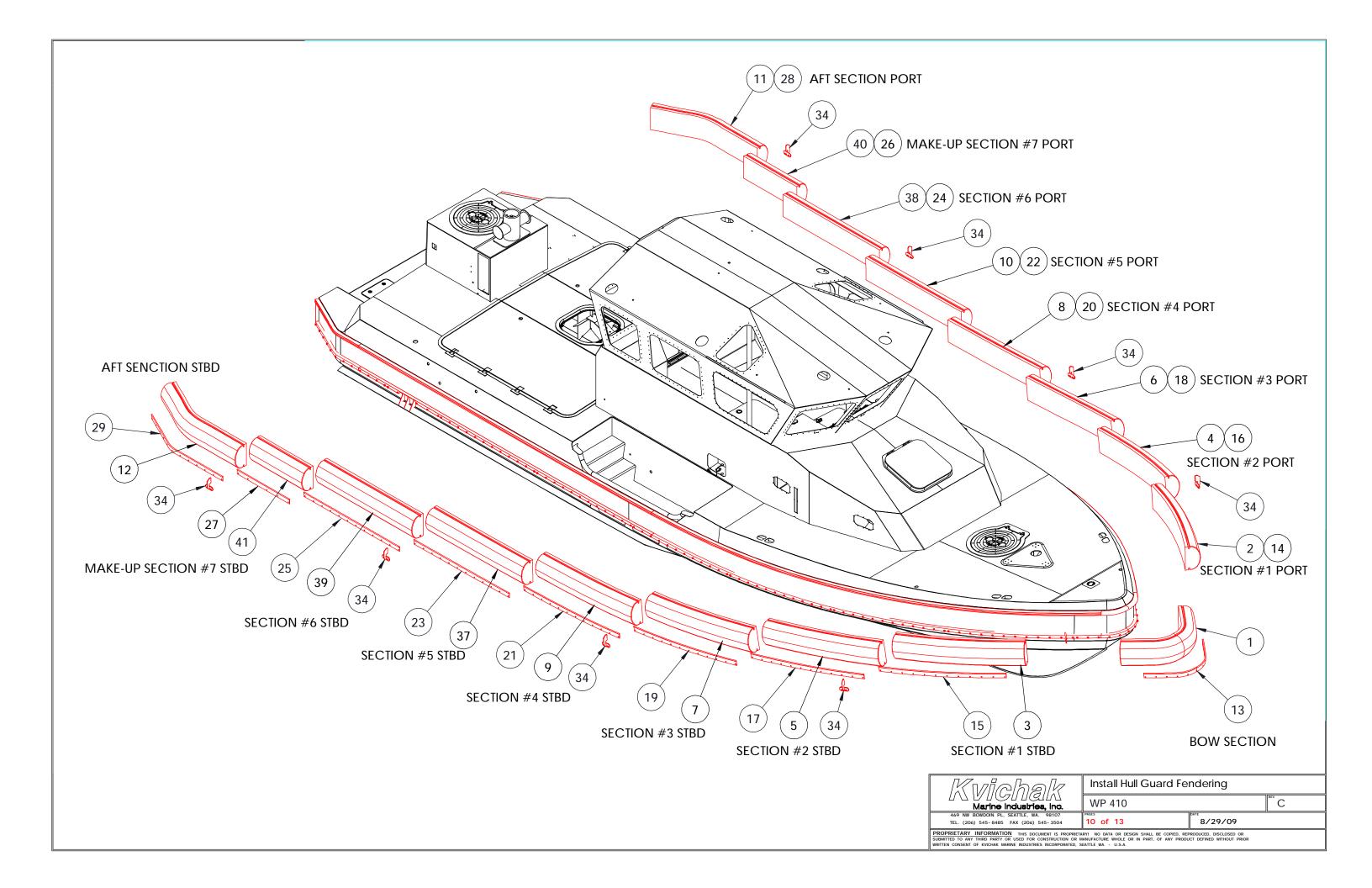








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#### Workstation: Final Assy 1

#### Assembly/Install Instructions:

Step 1: Installation of fenders

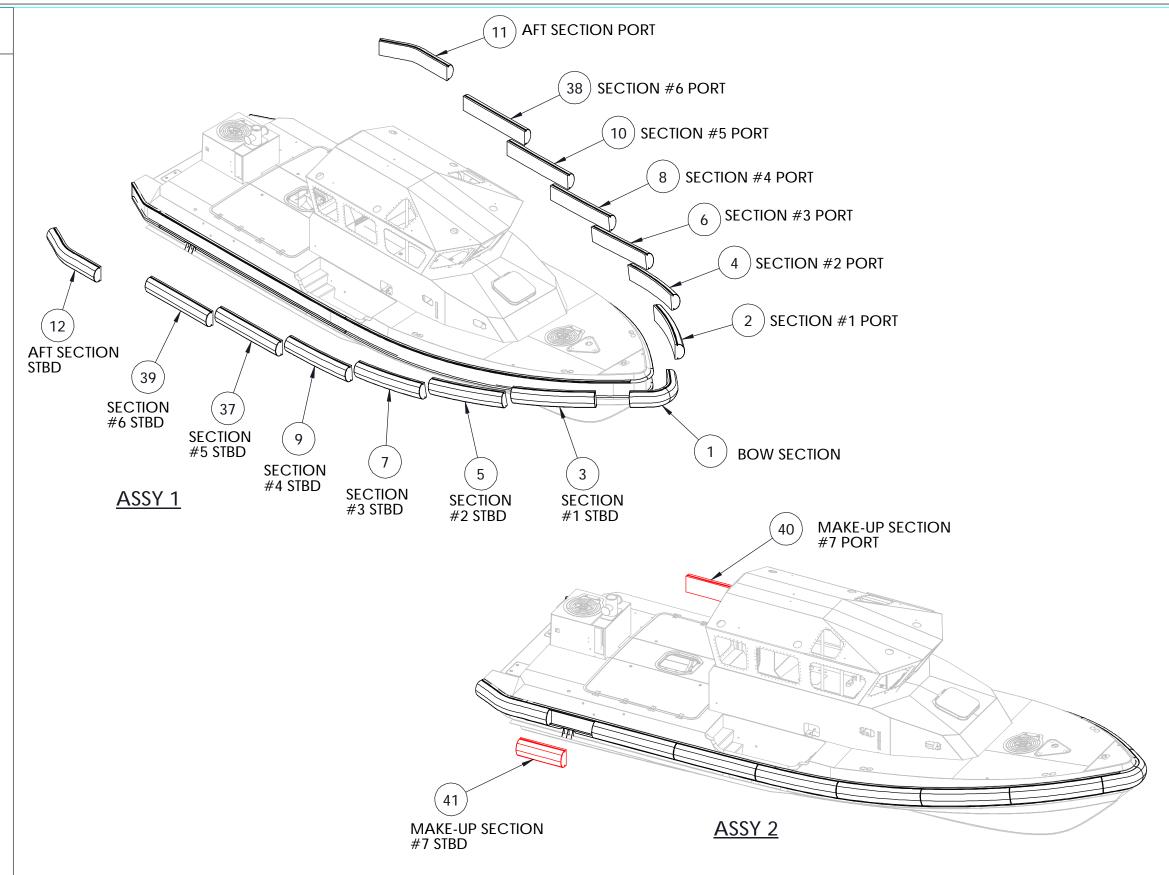
1) Install the aft fenders (Item #'s 11 and 12) as shown in Assy 1.

2) Install the additional fenders (Item #'s 1 to 10) as shown in Assy 1.

Installation of make-up sections

Measure between section #6 and aft section (Item #11) add an extra 1/2" to this measurement then use this as your cut lenght. Do this for both port and stbd.

3) Install make-up section #7 fenders (Item #'s 40 port and 41 stbd ) as shown in Assy 2.



#### Inspection & Test:

- Super. sign-off.
   Verify configuration & all parts in place.
   Inspection sign-off.

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#### Workstation: Final Assy 1

#### Assembly/Install Instructions:

Step 2: Installation of fender mounting flat bar

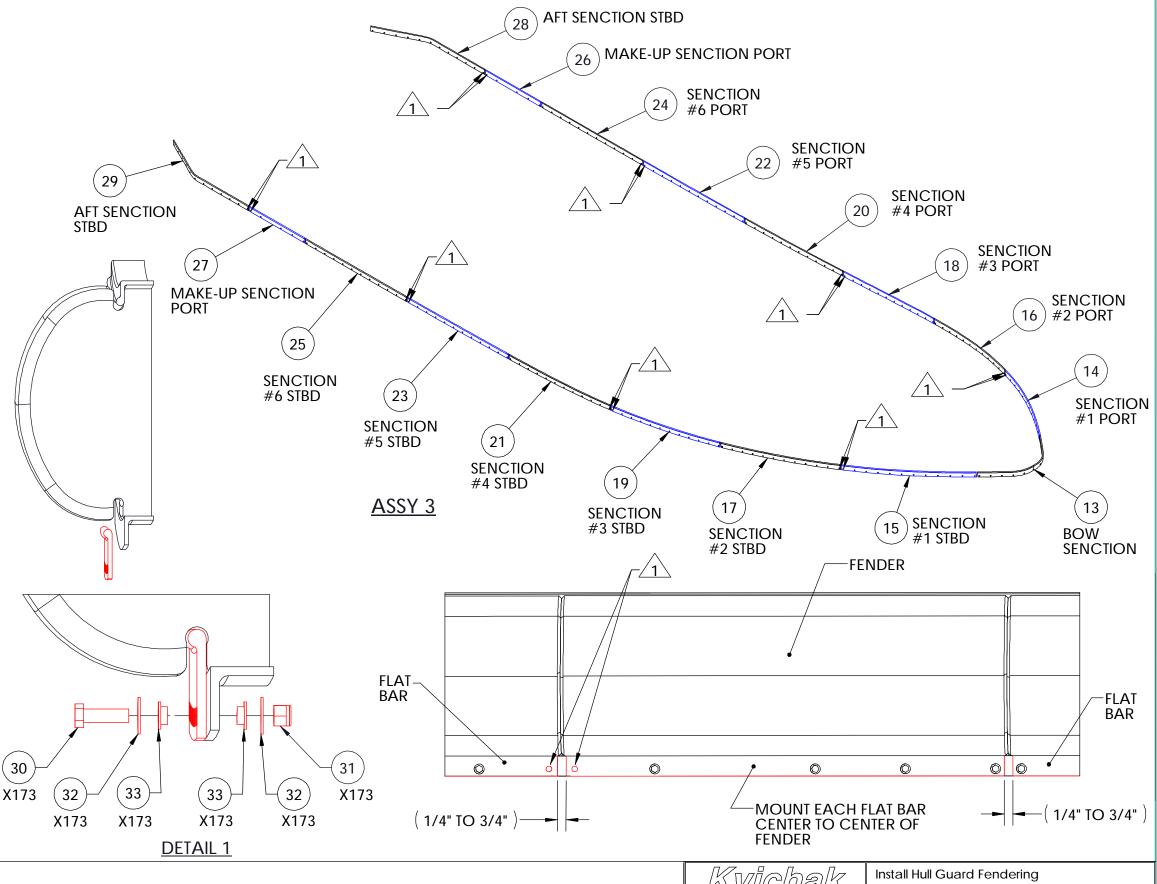
1) Install the fender mounting flat bar (Item #'s 13 to 29) using the proper fasteners (Item #'s 30, 31 and 32) and isolation (Item # 33) as shown in Assy 3/Detail 1. Drill holes into the angle bar to match the lower guide rail using a 3/8" drill (Tool # 4) and drill (Tool # 5). Tighten the fasteners using 9/16" wrenches (Tool # 1) and air ratchet (Tool # 8) and 9/16" socket (Tool # 12) until securely tightened. Do not over tighten or it will break isolation washers (Item # 33) isolation washers (Item # 33).

Note: Mount each flat bar center to center of fender.

Note: Item #'s 14 to 25 are pre-cut and pre-drill.

Item #'s 26 and 27 are cut to fit and install Item #'s 13, 28 and 29 are install to drill.

1 Will not install fasteners in here, Is for fender stop installation.



#### Inspection & Test:

- Super. sign-off.Verify configuration & all parts in place.
- Inspection sign-off.

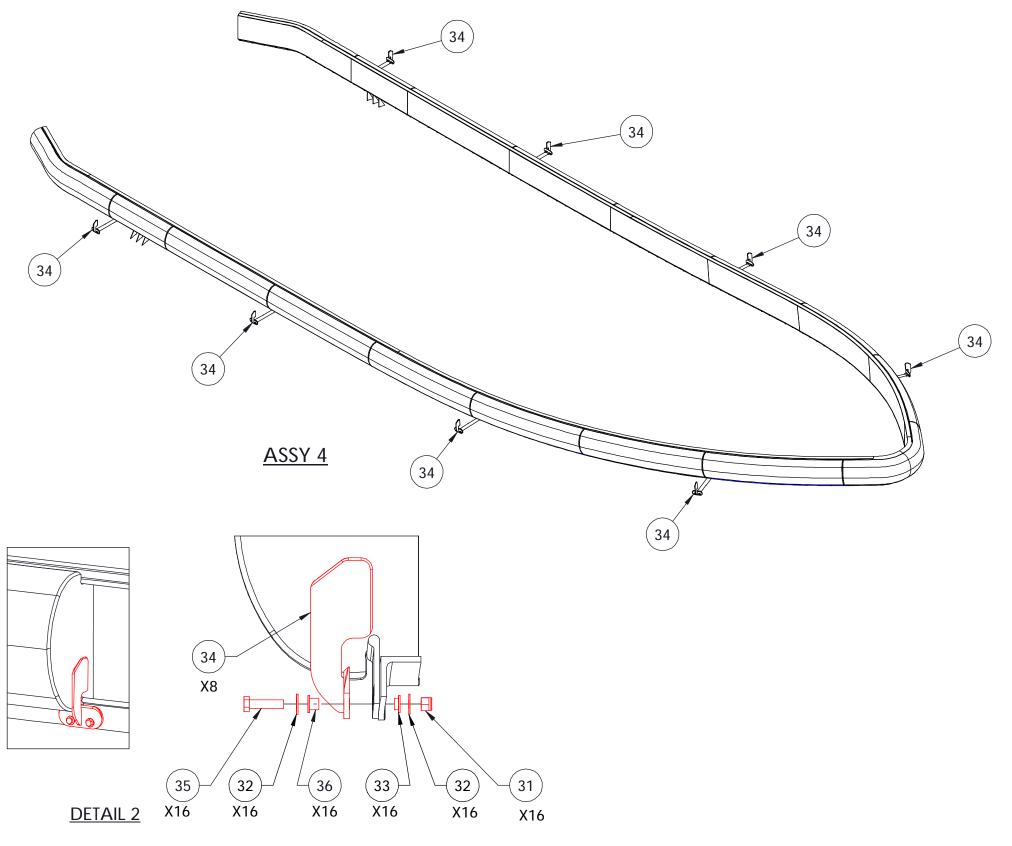
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### Workstation: Final Assy 1

#### Assembly/Install Instructions:

Step 3: Installation of fender stop

1) Install the fenders stop (Item # 34) as shown in Assy 4/Detail 2. Using the proper fasteners (Item #'s 31, 32 and 35) and isolation (Item #'s 33 and 36) as shown in Detail 2. Tighten the fasteners using 9/16" wrenches (Tool # 1) and air ratchet (Tool # 8) and 9/16" socket (Tool # 12) until securely tightened. Do not over tighten or it will break isolation washers (Item #'s 33 and 36).



#### **Inspection & Test:**

- Super. sign-off.
  Verify configuration & all parts in place.
  Inspection sign-off.

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