

**Response Marine # 621: Drawing List**  
**Hull Construction Drawings**

11/5/21

|        |                             |          |
|--------|-----------------------------|----------|
| 621 -1 | Profile & Deck Plan         | 11/5/21  |
| -2     | Deck Arrange. w/ Dimensions | 10/28/21 |
| -3     | Inboard Profile             | 11/5/21  |
| -4     | Inbd Profile w/ Dimensions  | 11/5/21  |
| -5     | Body Plan- Frames           | 10/28/21 |
| 2-1    | Keel Layout                 | 11/5/21  |
| 2-2    | Bottom Layout               | 11/5/21  |
| 2-3    | Side Layout                 | 11/5/21  |
| 2-4    | Cockpit Deck Layout         | 11/5/21  |
| 2-5    | Engine Deck Layout          | 11/5/21  |
| 2-6    | Deck Hatches & Soft Patches | 11/5/21  |
| 2-7    | Anchor Locker Bottom        | 11/5/21  |
| 2-8    | False Transom               | 11/5/21  |
| 2-9    | Transom                     | 11/5/21  |
| 2-10   | Side Deck Layout            | 11/5/21  |
| 2-11   | Engine Mount Bracket        | 11/5/21  |
| 3-1    | Fuel Tank                   | 11/5/21  |
| 4-1    | Leaning Post- Parts Layout  | 11/5/21  |
| C-1    | Typical Skin Joints         |          |
| F0     | Typical Frame Construction  | 11/5/21  |
| F1     | Frame 1                     | 11/5/21  |
| F2     | Frame 2                     | 11/5/21  |
| F3     | Frame 3                     | 11/5/21  |
| F4     | Frame 4                     | 11/5/21  |
| F5     | Frame 5                     | 11/5/21  |
| F6     | Frame 6                     | 11/5/21  |

Response Marine, Inc

NC Parts for #621, 18' Skiff  
File: RM\Ide\ Viking\Deriv\559 WMW\Deriv\  
Revised: 11/5/21

Print Date: 11/5/21

**1/8" 5052 Parts**

| <u>Part #</u> | <u>Pieces</u> | <u>Description</u>                        | <u>Bending Info</u> |
|---------------|---------------|---|---------------------|
| LP-1          | 1             | Leaning Post, Sides& Aft                  | 1/4" R as marked    |
| LP-2          | 1             | Leaning Post, Top & Front                 | Bump/Roll           |
| LP-3          | 1             | Leaning Post, Shelf (optional)            |                     |
| LP-4          | 1             | Leaning Post, Vertical Divider (optional) |                     |
| TS-TCP        | 1             | Topside Transom Coaming Cap, Port         | Bump 2 degrees      |
| TS-TCS        | 1             | Topside Transom Coaming Cap, Stbd         | Bump 2 degrees      |
| TS-TLP        | 1             | Topsides Transom Coaming Liner, Port      |                     |
| TS-TLS        | 1             | Topsides Transom Coaming Liner, Stbd      |                     |
|               | 8             | Total Parts (1/8" 5052)                   |                     |

**3/16" 5052 Parts**

| <u>Part #</u> | <u>Pieces</u> | <u>Description</u>           | <u>Bending Info</u> |
|---------------|---------------|------------------------------|---------------------|
| ST-P          | 1             | Scupper Tube Wall, Port      | 1/4" R as marked    |
| ST-S          | 1             | Scupper Tube Wall, Stbd      | 1/4" R as marked    |
| T-A           | 1             | Fuel Tank Body               | 1/4" R as marked    |
| T-BL          | 1             | Fuel Tank, Long'l Baffle     |                     |
| T-BT          | 1             | Fuel Tank, Transverse Baffle |                     |
| T-C           | 2             | Fuel Tank Ends               |                     |
| T-D           | 1             | Fuel Tank Top                |                     |
|               | 8             | Total Parts (3/16" 5052)     |                     |

**3/16" 5083/86 Parts**

| <u>Part #</u> | <u>Pieces</u> | <u>Description</u>                              | <u>Bending Info</u> |
|---------------|---------------|---|---------------------|
| ALB           | 1             | Anchor Locker Bottom                            |                     |
| D-AP          | 1             | Deck Body, F1-F3, Port                          |                     |
| D-AS          | 1             | Deck Body, F1-F3, Stbd                          |                     |
| D-BP          | 1             | Deck Body, F3-False Transom, Port               |                     |
| D-BS          | 1             | Deck Body, F3-False Transom, Stbd               |                     |
| D-C           | 1             | Engine Deck Body, False Transom to Transom      |                     |
| D-CP          | 1             | Engine Deck, False Transom to Transom, OB, Port |                     |
| D-CS          | 1             | Engine Deck, False Transom to Transom, OB, Stbd |                     |
| DM-P          | 1             | Deck Margin, F3-Transom, Port                   |                     |

|        |    |  |                  |
|--------|----|--|------------------|
| DM-S   | 1  | Deck Margin, F3-Transom, Stbd                    |                  |
| DP-45  | 2  | Deck Plate Cover (optional for tank vent access) |                  |
| DP-45R | 2  | Deck Plate Ring (optional for tank vent access)  |                  |
| DP-6   | 4  | Deck Plate Cover                                 |                  |
| DP-6R  | 4  | Deck Plate Ring                                  |                  |
| DSB    | 3  | Deck Stiffener Brackets, Fwd Side F4             |                  |
| F1     | 1  | Frame 1  |                  |
| F2     | 1  | Frame 2  |                  |
| F3     | 1  | Frame 3, WTBHD                                   |                  |
| F4     | 1  | Frame 4  |                  |
| F5     | 1  | Frame 5  |                  |
| F6     | 1  | Frame 6  |                  |
| FDC    | 1  | Foredeck Coaming                                 | Bump 2 degrees   |
| FDC-AP | 1  | Foredeck Coaming, FDC to SDC-AP                  |                  |
| FDC-AS | 1  | Foredeck Coaming, FDC to SDC-AS                  |                  |
| FD-P   | 1  | Foredeck, Port                                   |                  |
| FD-S   | 1  | Foredeck, Stbd                                   |                  |
| FTRAN  | 1  | False Transom                                    | 1/4" R as marked |
| FTR-S  | 1  | False Transom Stiffener, on CL                   |                  |
| SB-B   | 1  | Soft Patch Proud Cover in Console, aft           |                  |
| SDC-AP | 1  | Side Deck Coaming, at Jog aft of F4, Port        |                  |
| SDC-AS | 1  | Side Deck Coaming, at Jog aft of F4, Stbd        |                  |
| SDC-BP | 1  | Side Deck Coaming, Jog to False Transom, Port    |                  |
| SDC-BS | 1  | Side Deck Coaming, Jog to False Transom, Stbd    |                  |
| SD-P   | 1  | Side Deck, Port                                  |                  |
| SD-S   | 1  | Side Deck, Stbd                                  |                  |
| SP-A   | 1  | Soft Patch Proud Cover in Console, fwd           |                  |
| STEM   | 1  | Stem   |                  |
| TD     | 1  | Transom Deck                                     |                  |
| TDC    | 1  | Transom Deck Coaming                             |                  |
| TS-P   | 1  | Topsides, Port                                   |                  |
| TS-S   | 1  | Topsides, Stbd                                   |                  |
|        | 51 | Total Parts (3/16" 5086)                         |                  |

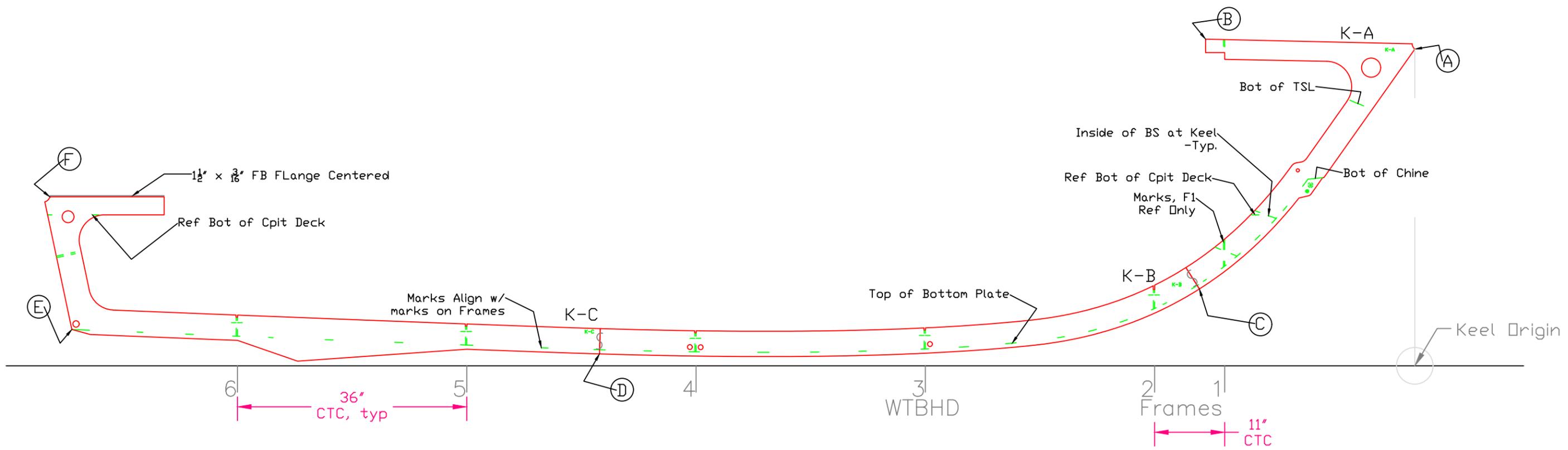
**1/4" 5083/86 Parts**

| <u>Part #</u> | <u>Pieces</u> | <u>Description</u>          |
|---------------|---------------|-----------------------------|
| B-P           | 1             | Bottom Plate, Port          |
| B-S           | 1             | Bottom Plate, Stbd          |
| BS1-P         | 1             | Bottom Longitudinal 1, Port |
| BS1-S         | 1             | Bottom Longitudinal 1, Stbd |
| BS2-P         | 1             | Bottom Longitudinal 2, Port |
| BS2-S         | 1             | Bottom Longitudinal 2, Stbd |
| BS3-P         | 1             | Bottom Longitudinal 3, Port |
| BS3-S         | 1             | Bottom Longitudinal 3, Stbd |

|        |    |   |
|--------|----|---|
| C-P    | 1  | Chine, Port   |
| C-S    | 1  | Chine, Stbd   |
| TR     | 1  | Transom   |
| TRS-1  | 2  | Transom Stiffener, spans BS1 & BS2                    |
| TRS-2  | 2  | Transom Stiffener, Keel to TRS-3                      |
| TRS-3P | 1  | Transom Stiffener, Vertical, TRS-1 to Deck Str., Port |
| TRS-3S | 1  | Transom Stiffener, Vertical, TRS-1 to Deck Str., Stbd |
| TSL-AP | 1  | Topside Stringer, Fwd Port, Stem to F4                |
| TSL-AS | 1  | Topside Stringer, Fwd Stbd Stem to F4                 |
| TSL-BP | 1  | Topside Stringer, Aft Port, F4-False Tran             |
| TSL-BS | 1  | Topside Stringer, Aft Stbd, F4-False Tran             |
|        | 21 | Total Parts (1/4" 5086)                               |

### **3/8" 5083/86 Parts**

| <u>Part #</u> | <u>Pieces</u> | <u>Description</u>      |
|---------------|---------------|-------------------------|
| EB-1          | 1             | Engine Bracket, Transom |
| EB-2          | 2             | Engine Bracket, Sides   |
| EB-3          | 1             | Engine Bracket, Lip     |
| K-A           | 1             | Keel, Fwd               |
| K-B           | 1             | Keel, Mid               |
| K-C           | 1             | Keel, Aft               |
|               | 7             | Total Parts (3/8" 5086) |
|               | <b>95</b>     | <b>Total Cut Parts</b>  |



Response Marine, Inc.  
 #621, 18' Skiff  
 Keel Points  
 11/5/21

| Inches- sixteenths |          | Feet       |          |
|--------------------|----------|------------|----------|
| Horizontal         | Vertical | Horizontal | Vertical |

A to Origin  
 B to Origin  
 C to Origin  
 D to Origin  
 E to Origin  
 F to Origin

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|--|--|--|--|--|--|

ALIGNED (INCHES)

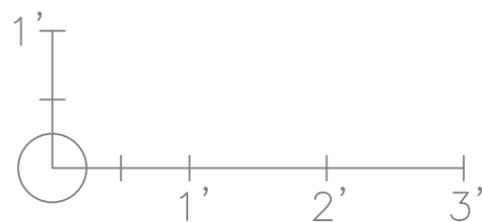
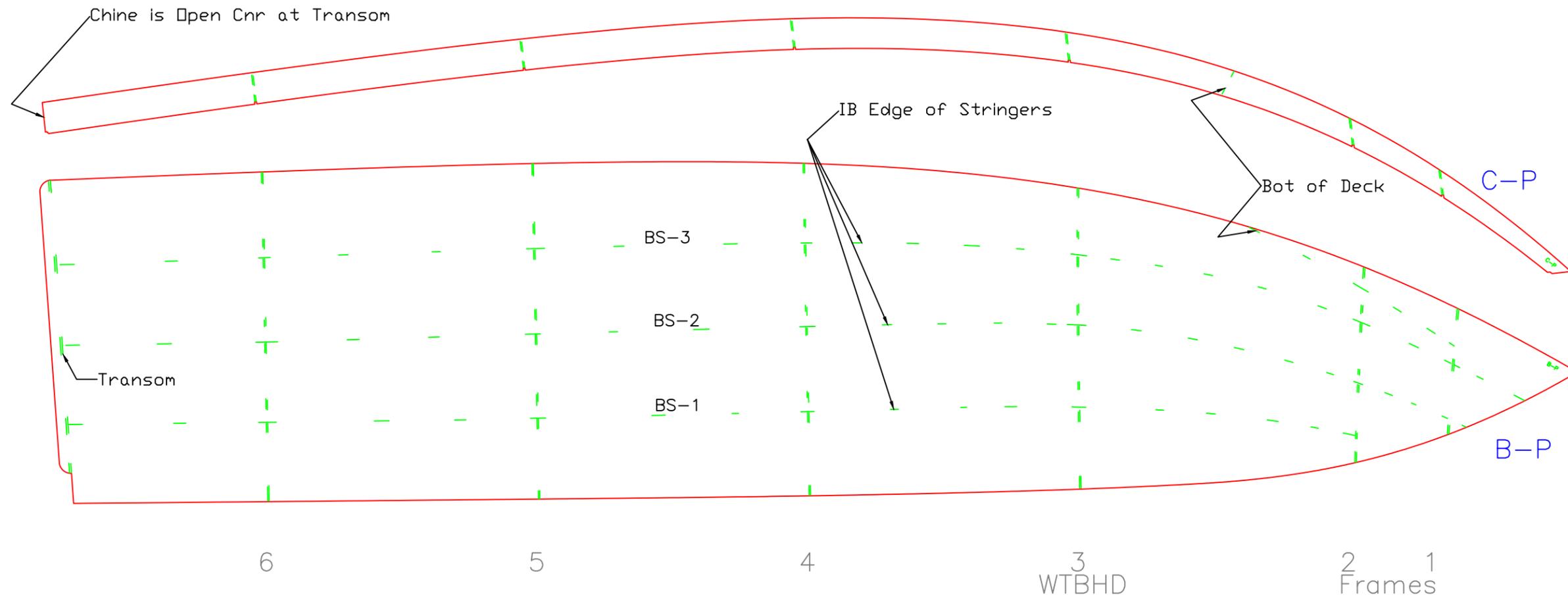
|      | A | B | C | D | E | F |
|------|---|---|---|---|---|---|
| A to |   |   |   |   |   |   |
| B to |   |   |   |   |   |   |
| C to |   |   |   |   |   |   |
| D to |   |   |   |   |   |   |
| E to |   |   |   |   |   |   |



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| REV. | DESCRIPTION |
|------|-------------|
|      |             |

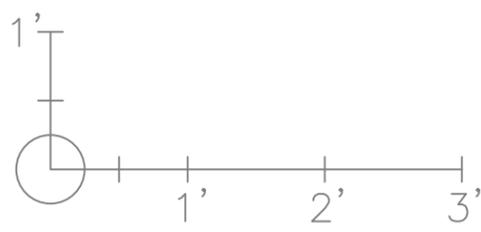
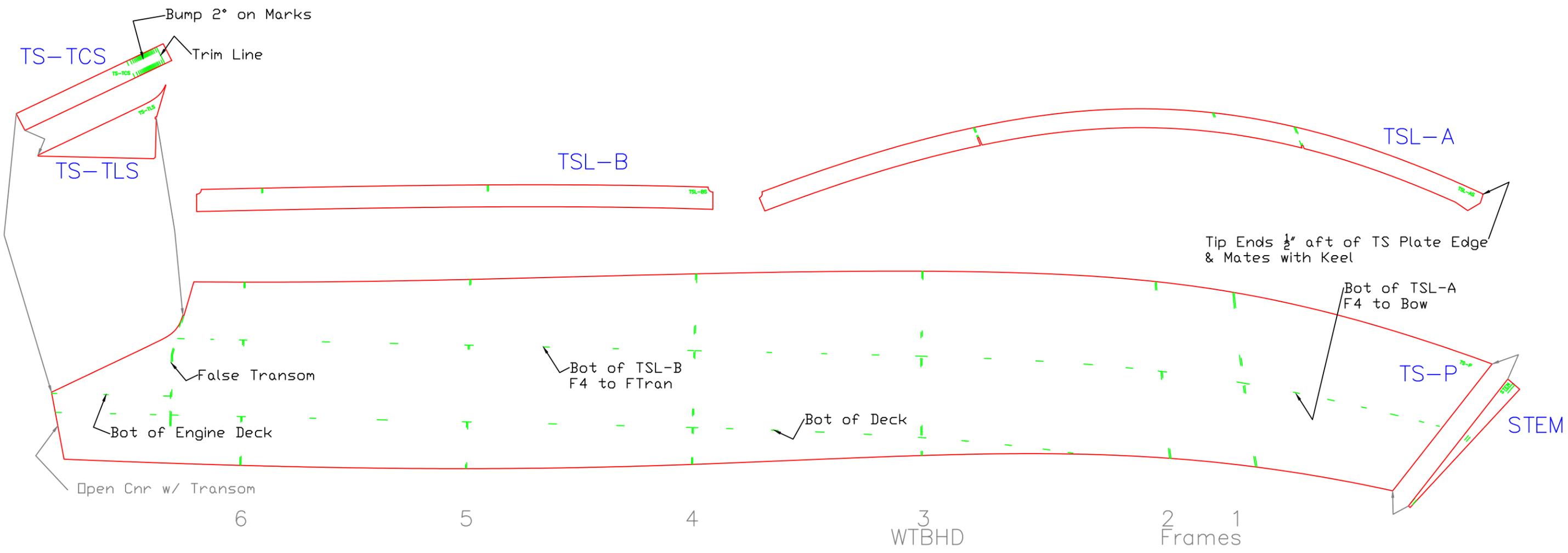
|   |                |                    |
|---|----------------|--------------------|
| 18' x 8'1" Skiff                        |                |                    |
| Keel Layout                             |                |                    |
| SCALE<br>3/4" = 1'                      | DES/DWN<br>WAL | DATE<br>11/5/21    |
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| Newburyport, MA, www.responsemarine.com |                | DWG NO.<br>621-2-1 |



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| REV. | DESCRIPTION |
|------|-------------|
|      |             |

|   |                |                    |
|---|----------------|--------------------|
| 18' x 8'1" Skiff                        |                |                    |
| Bottom Layout                           |                |                    |
| SCALE<br>3/4" = 1'                      | DES/DWN<br>WAL | DATE<br>11/5/21    |
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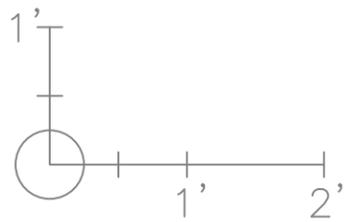
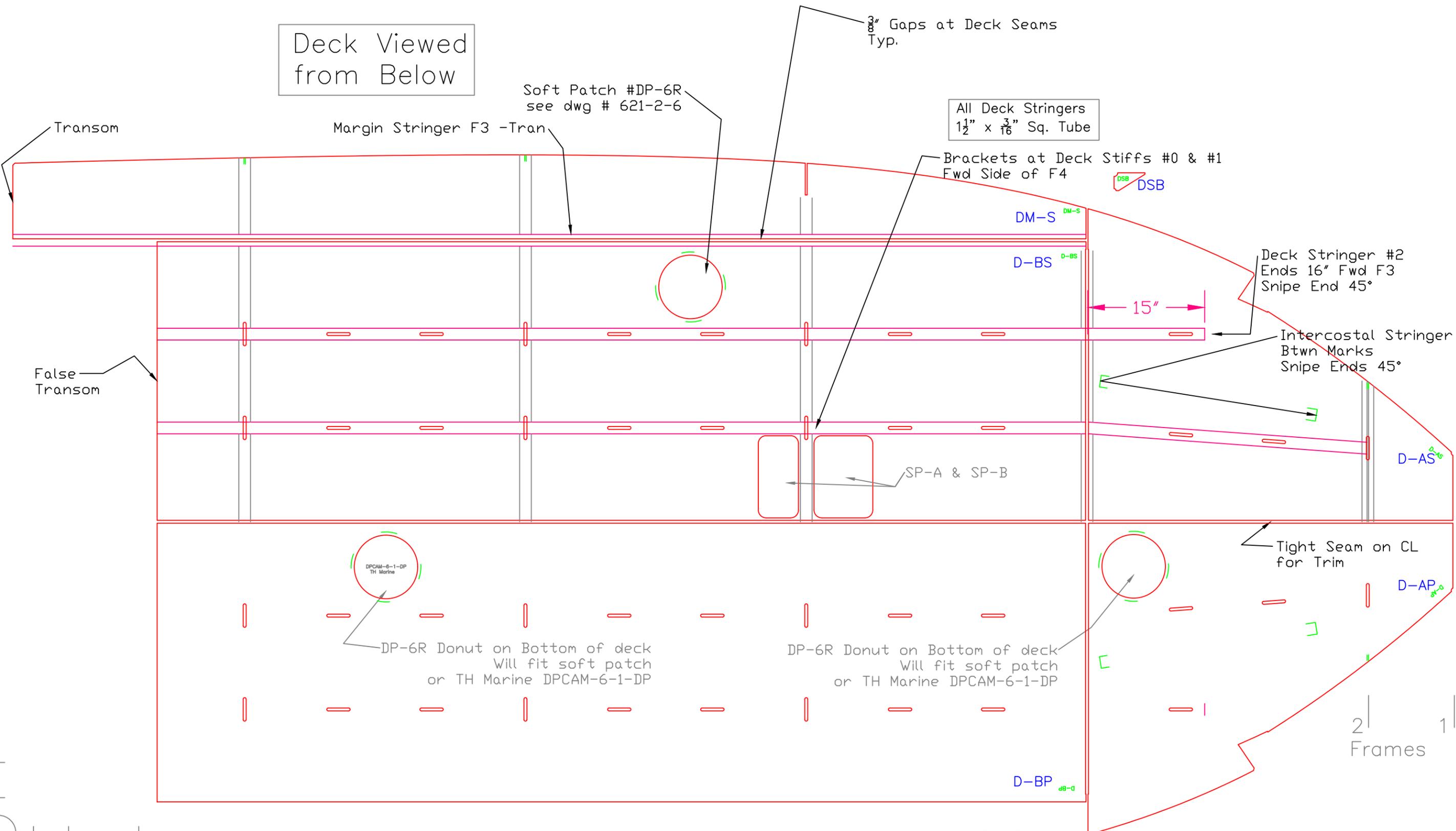


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| REV. | DESCRIPTION |
|------|-------------|
|      |             |

|   |                |                    |
|---|----------------|--------------------|
| 18' x 8'1" Skiff                        |                |                    |
| Side Layout                             |                |                    |
| SCALE<br>3/4" = 1'                      | DES/DWN<br>WAL | DATE<br>11/5/21    |
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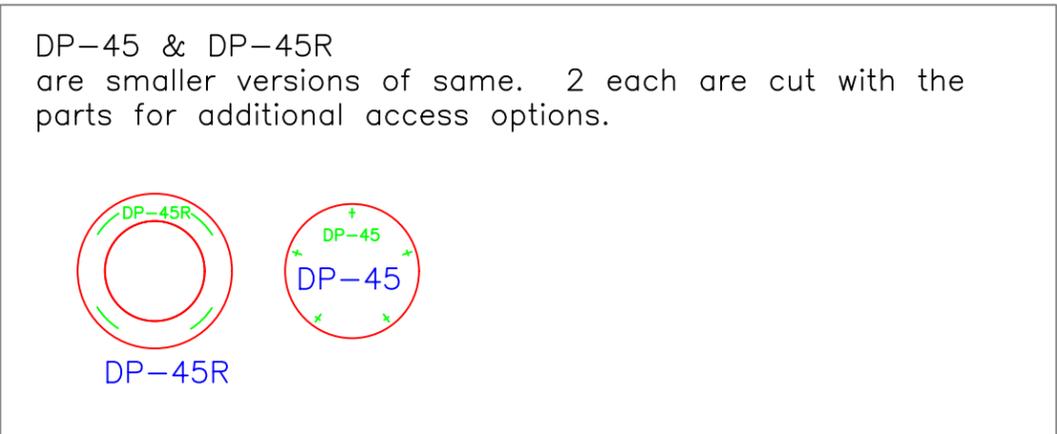
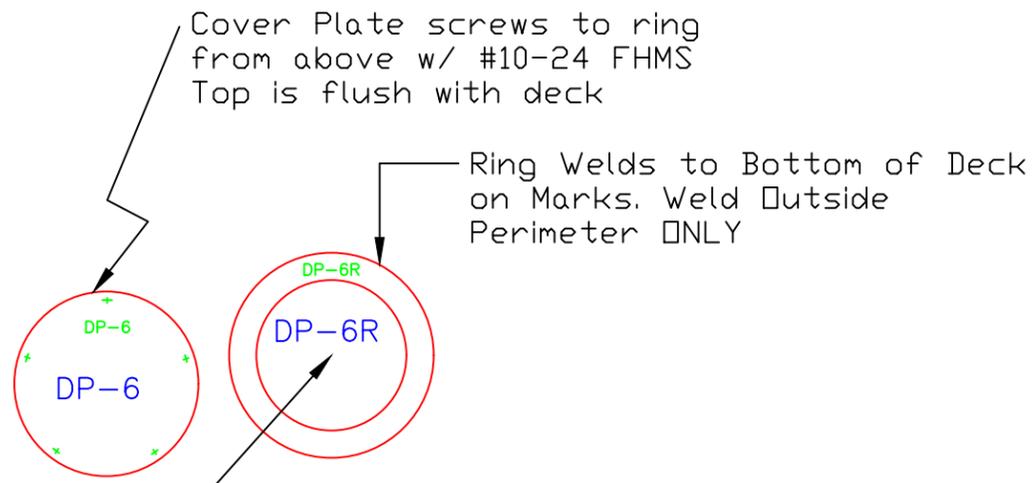
Deck Viewed from Below



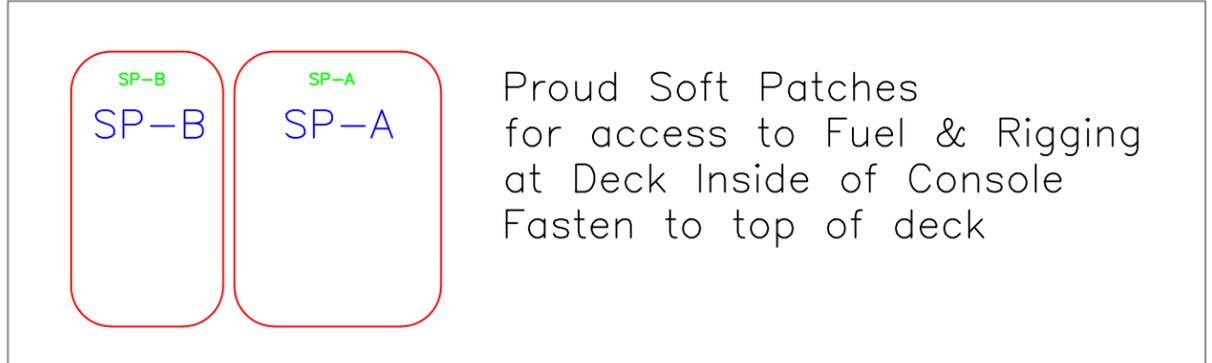
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DM-P Not Shown  
WTBHD

|   |                |                    |
|---|----------------|--------------------|
| 18' x 8'1" Skiff                        |                |                    |
| Cockpit Deck Layout                     |                |                    |
| SCALE<br>3/4" = 1'                      | DES/DWN<br>WAL | DATE<br>11/5/21    |
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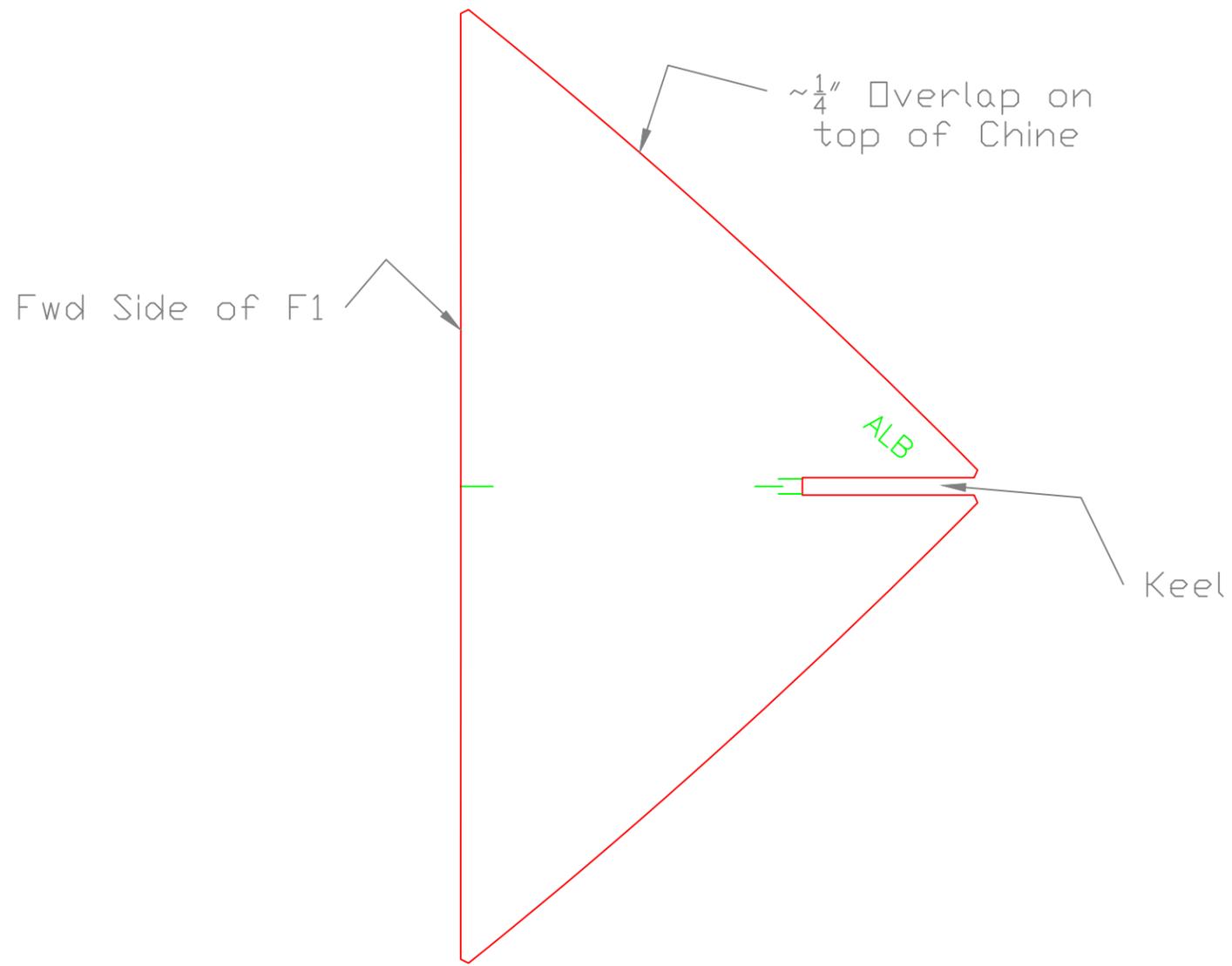
These fwd of F3 and over the fuel feed valve may receive DP-6 cover or preferably this TH Marine deck plate for frequent/easier access



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| REV. | DESCRIPTION |
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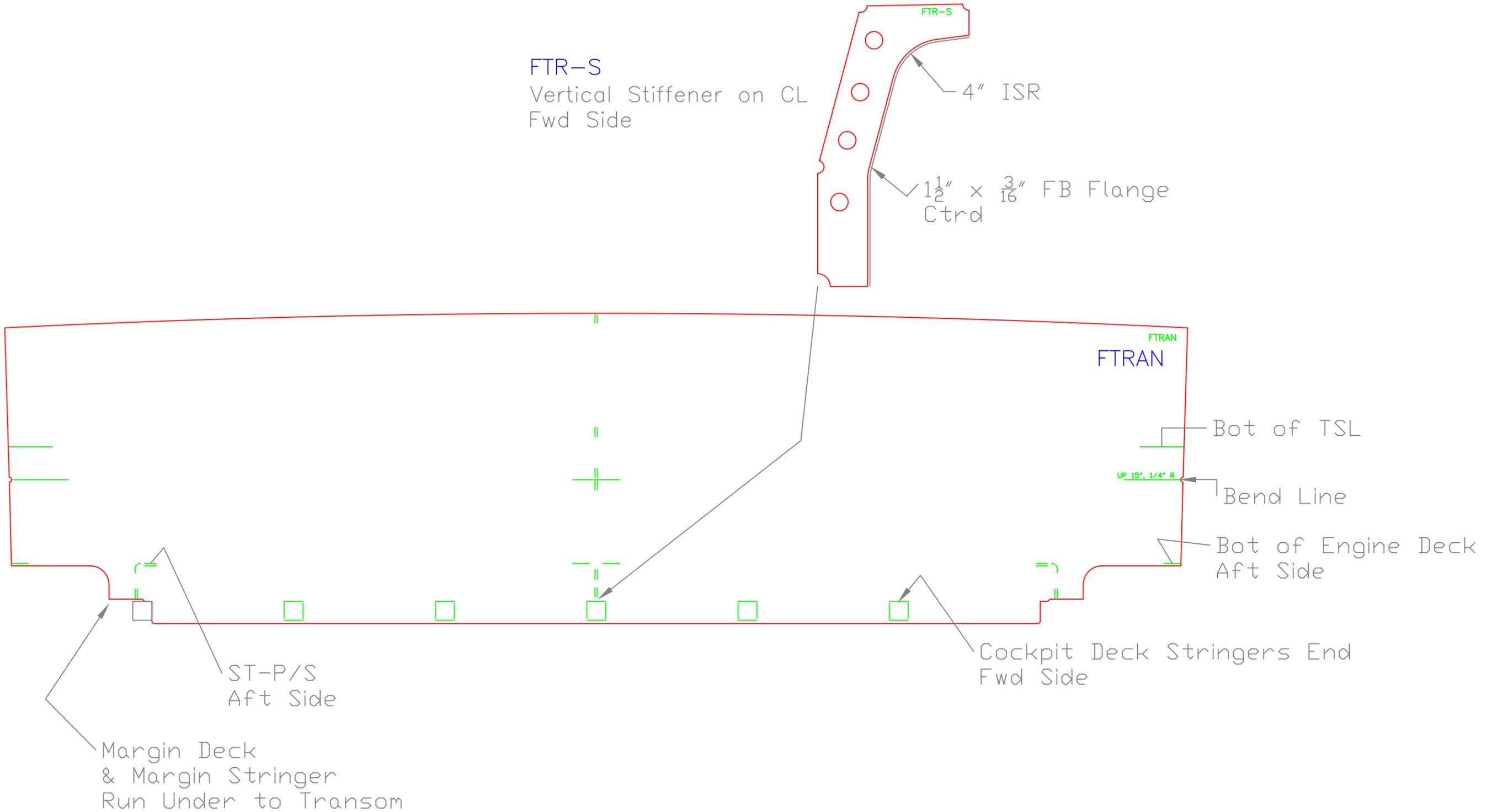
|   |                |                             |
|---|----------------|-----------------------------|
| 18' x 8'1" Skiff  |                |                             |
| Deck Inspection Hatches   |                |                             |
| SCALE<br>1 1/2" = 1'  | DES/DWN<br>WAL | DATE<br>11/5/21             |
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| REV. | DESCRIPTION |
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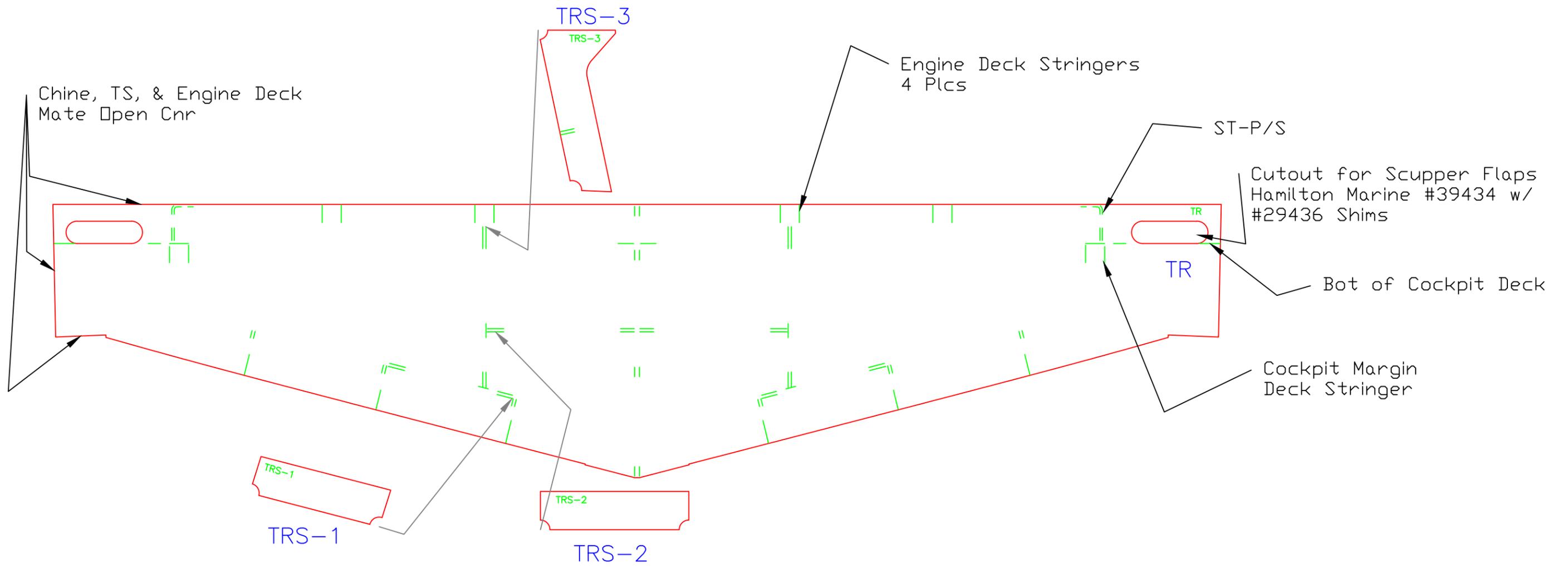
|   |                |                    |
|---|----------------|--------------------|
| 18' x 8'1" Skiff                        |                |                    |
| Anchor Locker Bottom                    |                |                    |
| SCALE<br>3" = 1'                        | DES/DWN<br>WAL | DATE<br>11/5/21    |
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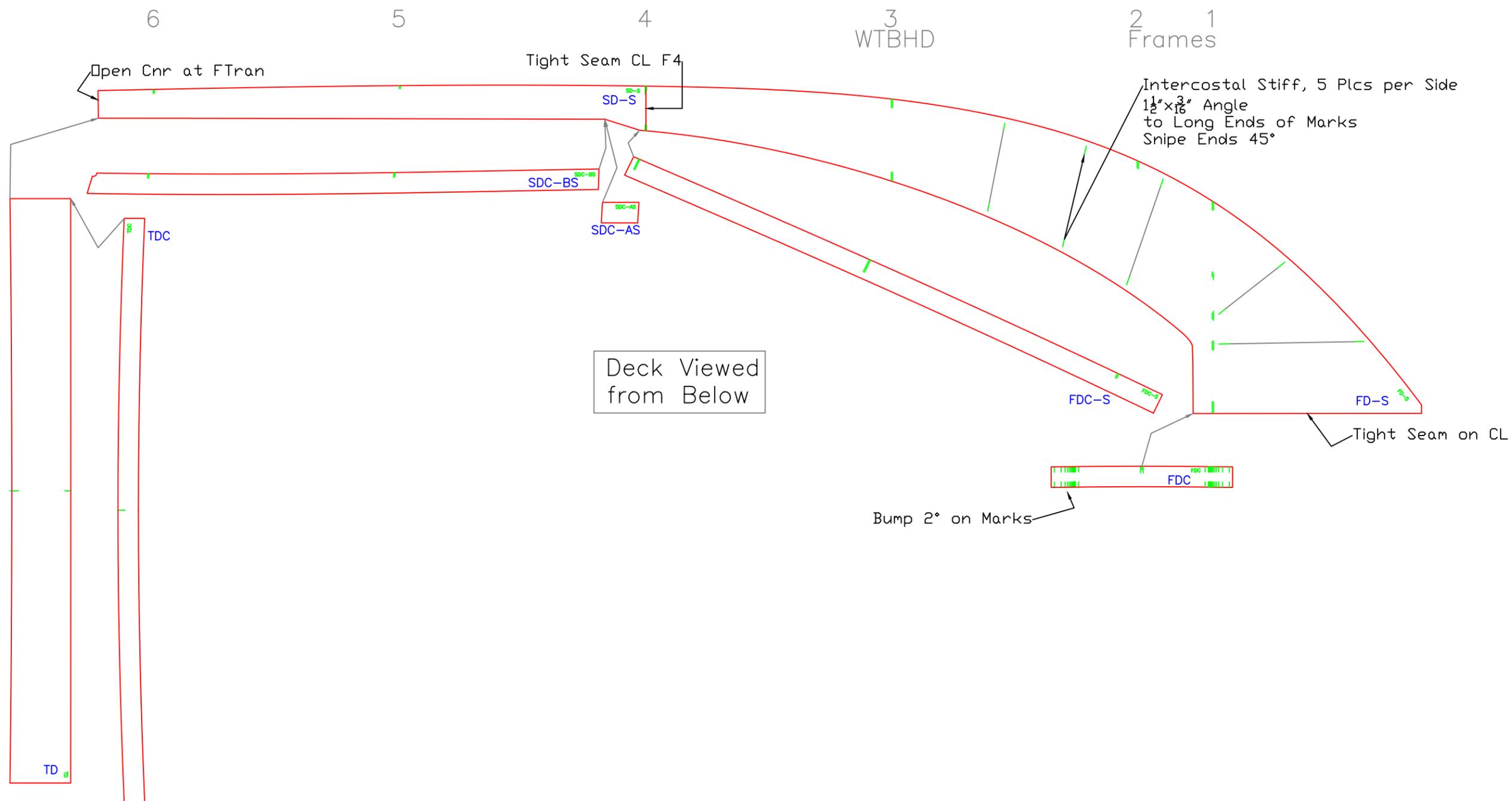
|   |                |                    |
|---|----------------|--------------------|
| 18' x 8'1" Skiff                        |                |                    |
| False Transom                           |                |                    |
| SCALE<br>1 1/2" = 1'                    | DES/DWN<br>WAL | DATE<br>11/5/21    |
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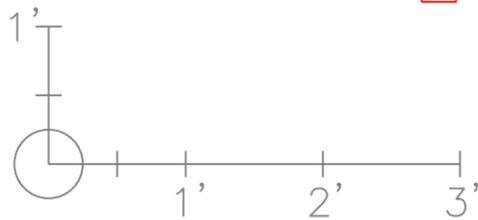
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| REV. | DESCRIPTION |
|------|-------------|
|      |             |

|   |                |                             |
|---|----------------|-----------------------------|
| 18' x 8'1" Skiff  |                |                             |
| Transom   |                |                             |
| SCALE<br>1 1/2" = 1'  | DES/DWN<br>WAL | DATE<br>11/5/21             |
| <b>Response Marine, Inc.</b><br>Newburyport, MA, www.responsemarine.com |                | SHEET<br>DWG NO.<br>621-2-9 |



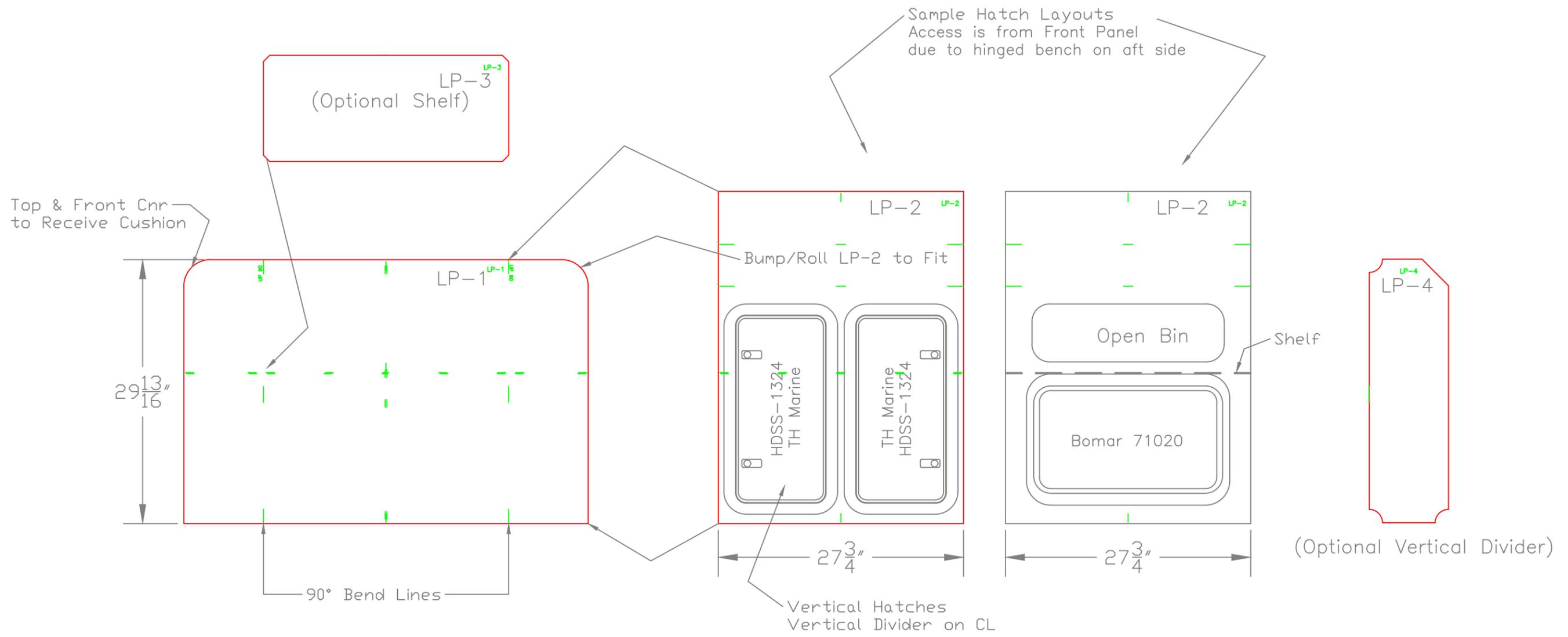
Deck Viewed from Below



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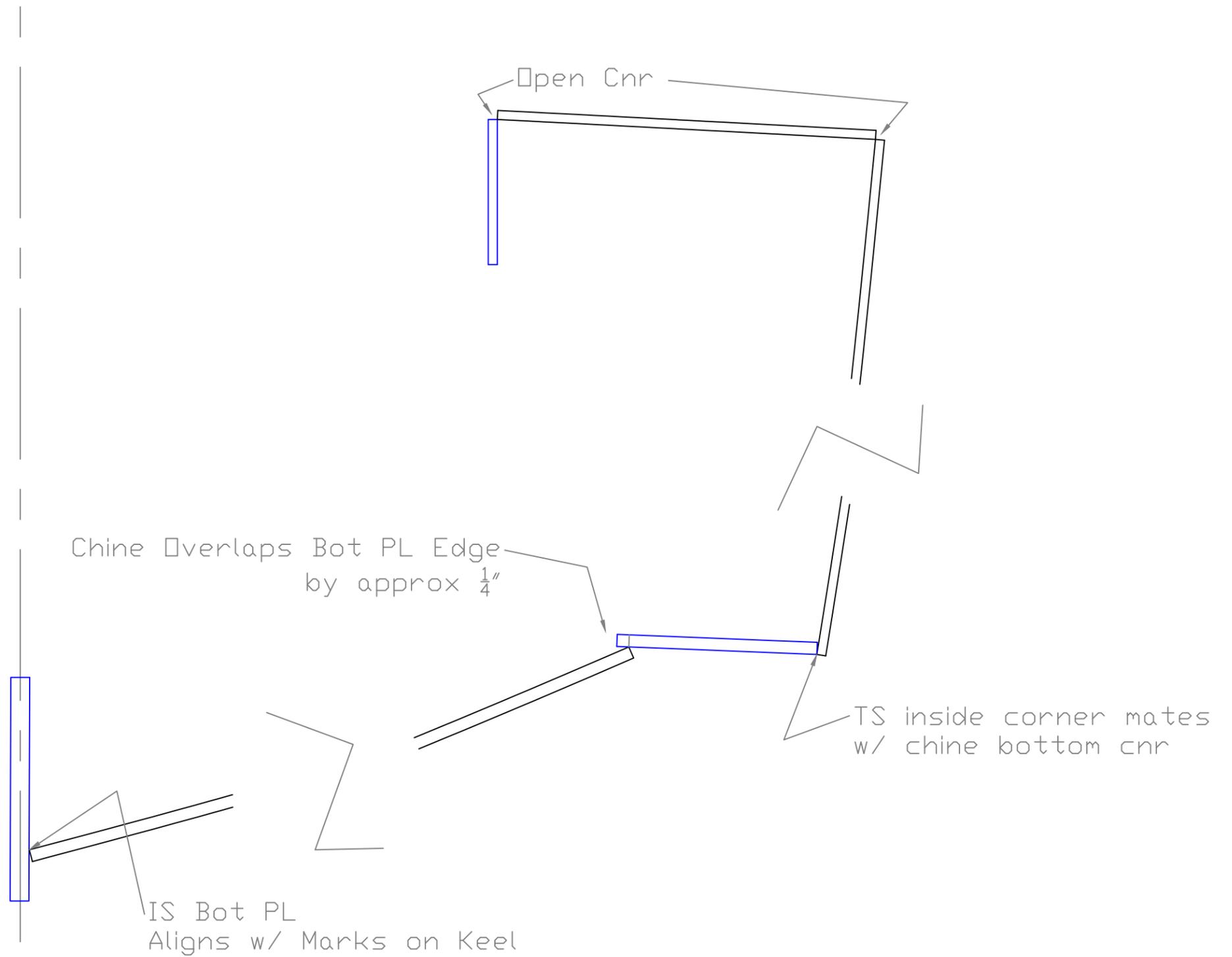
|   |                |                     |
|---|----------------|---------------------|
| 18' x 8'1" Skiff                        |                |                     |
| Side Deck Layout                        |                |                     |
| SCALE<br>3/4" = 1'                      | DES/DWN<br>WAL | DATE<br>11/5/21     |
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| REV. | DESCRIPTION |
|------|-------------|
|      |             |

|   |                |                    |
|---|----------------|--------------------|
| Lean Post                               |                |                    |
| 18' Skiff                               |                |                    |
| SCALE<br>1" = 1'                        | DES/DWN<br>WAL | DATE<br>11/5/21    |
| Response Marine, Inc.                   |                | SHEET              |
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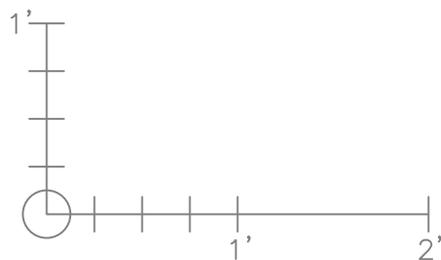
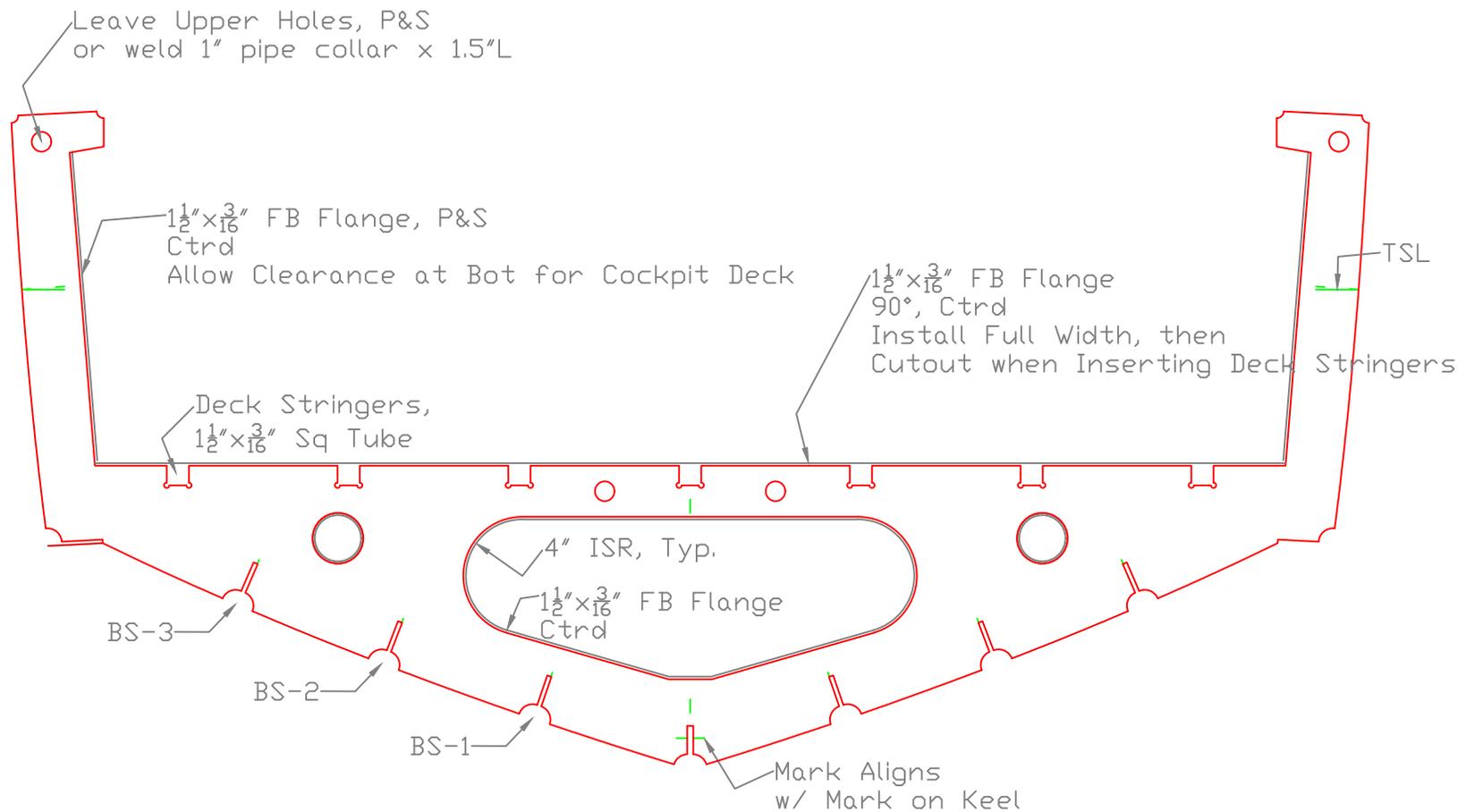


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| REV. | DESCRIPTION |
|------|-------------|
|      |             |

|   |                |                             |
|---|----------------|-----------------------------|
| 18' x 8.1' Skiff  |                |                             |
| TYPICAL SKIN JOINTS   |                |                             |
| SCALE<br>NONE   | DES/DWN<br>WAL | DATE<br>11/5/21             |
| <b>Response Marine, Inc.</b><br>Newburyport, MA, <a href="http://www.responsemarine.com">www.responsemarine.com</a> |                | SHEET<br>DWG NO.<br>621-C-1 |

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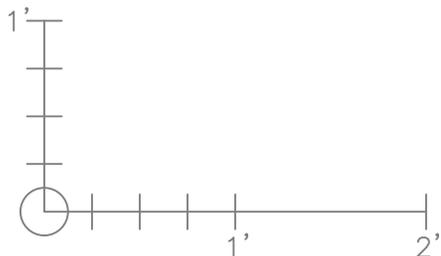
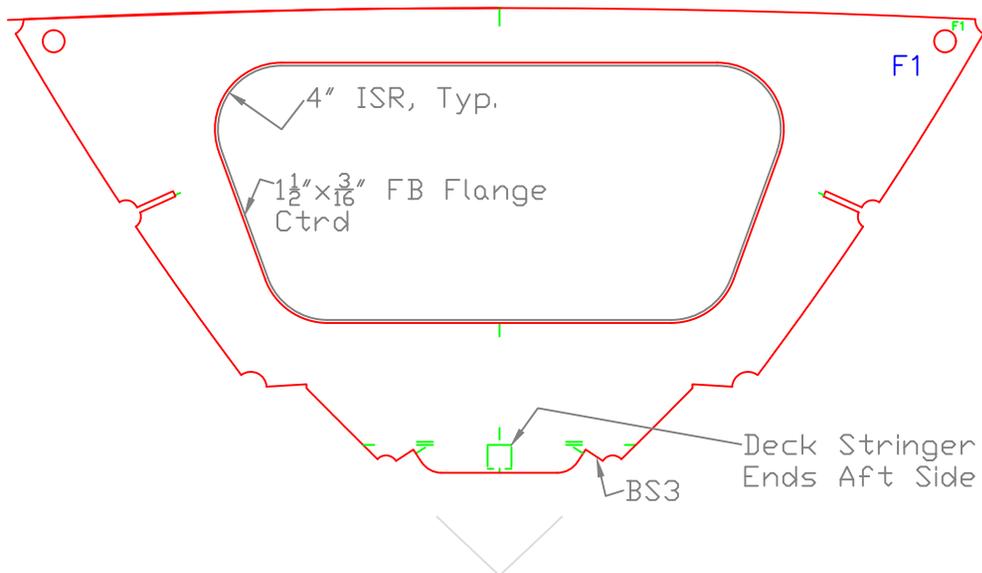


|   |                |                   |
|---|----------------|-------------------|
| 18' x 8'1" Skiff  |                |                   |
| Typical Frame Construction  |                |                   |
| SCALE<br>1" = 1'  | DES/DWN<br>WAL | DATE<br>11/5/21   |
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| REV. | DESCRIPTION |
|------|-------------|
|      |             |

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L'kg Fwd  
Marks Aft



|   |                |                   |
|---|----------------|-------------------|
| 18' x 8'1" Skiff  |                |                   |
| Frame 1   |                |                   |
| SCALE<br>1" = 1'  | DES/DWN<br>WAL | DATE<br>11/5/21   |
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| REV. | DESCRIPTION |
|------|-------------|
|      |             |