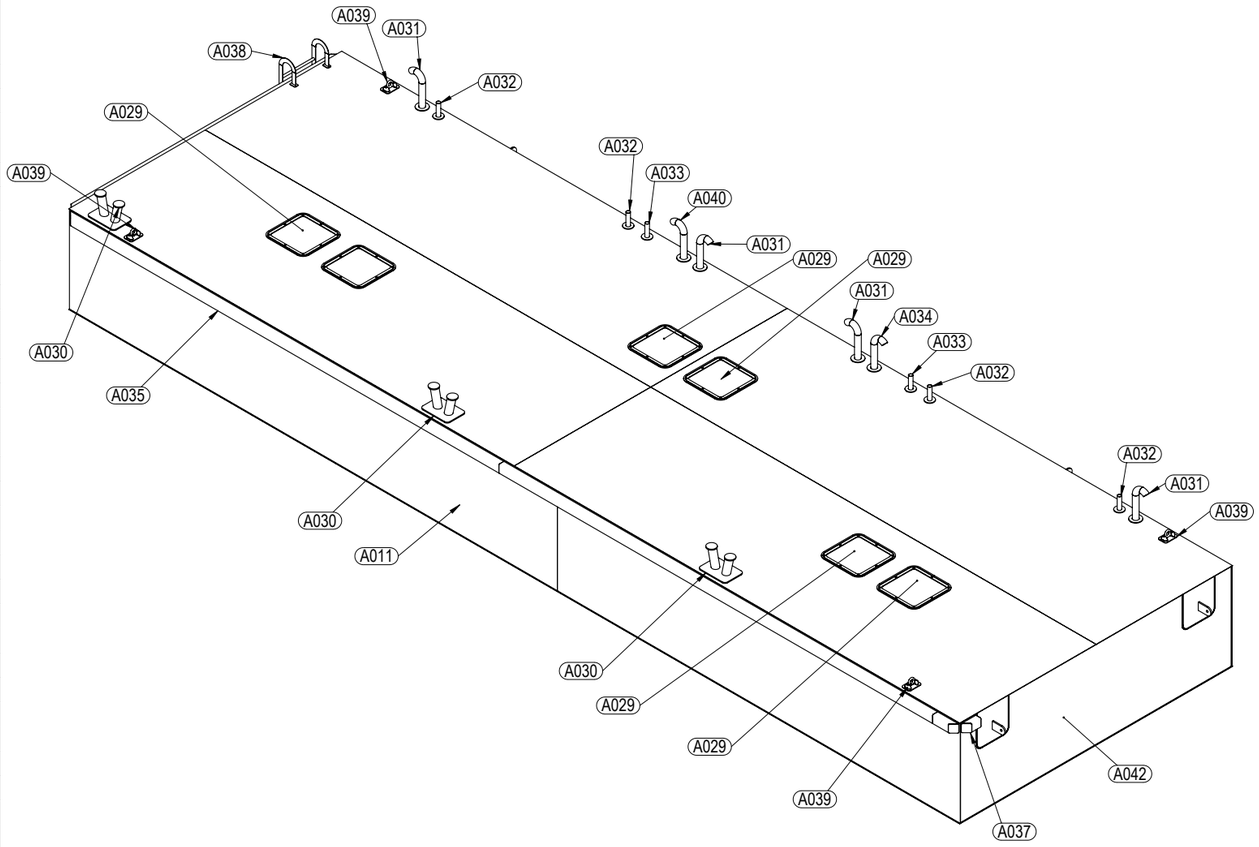
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## ASSEMBLY / PARTS LIST

| ITEM NO. | DRAWING NO. | DESCRIPTION | QTY. | QTY. REQ'D. | WEIGHT (kg.) / ASSY. | WEIGHT (kg.) SUB TOTAL | SURFACE AREA (m²) / ASSY. | SURFACE AREA (m²) SUB TOTAL |
|---|---|---|---|---|---|---|---|---|
| A001 | 22567-A001 | BOTTOM PLATE AND STRINGERS | 1 | 1 | 4351.8 | 4351.8 | 186.9 | 186.9 |
| A003 | 22567-A003 | FR01, FR02, FR.14, FR.15 - STBD. / PORT SIDE | 6 | 6 | 93.0 | 558 | 4.1 | 24.6 |
| A005 | 22567-A005 | FR02, FR.14 - STBD. SIDE | 2 | 2 | 93.0 | 186 | 4.1 | 8.2 |
| A007 | 22567-A007 | FR.04, FR.07, FR.09 FR.12 - STBD. / PORT SIDE | 4 | 4 | 92.9 | 371.6 | 4.1 | 16.4 |
| A011 | 22567-A011 | FRAMES - PORT / STBD. SIDE | 12 | 12 | 92.8 | 1113.6 | 4.1 | 49.2 |
| A014 | 22567-A014 | BHD.08 | 1 | 1 | 411.0 | 411 | 17.7 | 17.7 |
| A016 | 22567-A016 | BHD.013 | 2 | 2 | 431.2 | 862.4 | 17.7 | 35.4 |
| A018 | 22567-A018 | LONGITUDINAL GIRDER | 2 | 2 | 150.3 | 300.6 | 5.3 | 10.6 |
| A020 | 22567-A020 | LONGITUDIANAL BULKHEAD FWD SIDE | 1 | 1 | 417.8 | 417.8 | 18.0 | 18 |
| A029 | 22567-A029 | MANHOLE / COMPARTMENT COVER | 6 | 6 | 37.4 | 224.4 | 1.6 | 9.6 |
| A030 | 22567-A030 | BOLLARD | 3 | 3 | 38.4 | 115.2 | 0.9 | 2.7 |
| A031 | 22567-A031 | ABOVE DECK VENT | 4 | 4 | 10.0 | 40 | 0.5 | 2 |
| A032 | 22567-A032 | SUCTION - DIRECT ENTRANCE TO COMPARTMENT | 4 | 4 | 9.9 | 39.6 | 0.6 | 2.4 |
| A033 | 22567-A033 | SUCTION LINE | 2 | 2 | 24.3 | 48.6 | 1.6 | 3.2 |
| A034 | 22567-A034 | AIR VENT TO VENTING COMPARTMENT | 1 | 1 | 38.6 | 38.6 | 1.8 | 1.8 |
| A035 | 22567-A035 | STBD. SIDE FENDER | 1 | 1 | 351.2 | 351.2 | 14.9 | 14.9 |
| A036 | 22567-A036 | SHORT FENDER | 1 | 1 | 106.1 | 106.1 | 4.5 | 4.5 |
| A037 | 22567-A037 | PONTOON END FENDER | 1 | 1 | 6.1 | 6.1 | 0.3 | 0.3 |
| A038 | 22567-A038 | LADDER | 1 | 1 | 29.5 | 29.5 | 1.8 | 1.8 |
| A039 | 22567-A039 | LIFTING LUG | 4 | 4 | 0.7 | 2.8 | 0.1 | 0.4 |
| A040 | 22567-A040 | AIR VENT TO VENTING COMPARTMENT AFT SIDE | 1 | 1 | 38.6 | 38.6 | 1.8 | 1.8 |
| A042 | 22567-A042 | FWD CLOSING PLATE | 1 | 1 | 453.5 | 453.5 | 18.4 | 18.4 |
| A043 | 22567-A043 | CENTERLINE BULKHEAD | 1 | 1 | 417.8 | 417.8 | 18.0 | 18 |
| A046 | 22567-A046 | PONTOON NO. 1 & 2 DECK PLATE AND STRINGERS | 1 | 1 | 4374.6 | 4374.6 | 184.9 | 184.9 |
| A047 | 22567-A047 | PONTOON 1 NON-JOINING CLOSING PLATE | 1 | 1 | 430.0 | 430 | 18.6 | 18.6 |
| A048 | 22567-A048 | STBD. SIDE CLOSING PLATE STRINGERS | 1 | 1 | 1436.0 | 1436 | 62.0 | 62 |
| A049 | 22567-A049 | PORT SIDE CLOSING PLATE STRINGERS | 1 | 1 | 1481.5 | 1481.5 | 62.2 | 62.2 |
| f032 | 22567-f032 | STRINGER CONNECTION BRACKET | 188 | 188 | 2.0 | 376 | 0.1 | 18.8 |
| f039 | 22567-f039 | HATCH TO FRAME BRACKET | 6 | 6 | 1.4 | 8.4 | 0.1 | 0.6 |
| f040 | 22567-f040 | HATCH TO BHD BRACKET | 6 | 6 | 1.4 | 8.4 | 0.1 | 0.6 |
| f042 | 22567-f042 | BOLLARD TRANSVERSE BRACKET | 12 | 12 | 2.9 | 34.8 | 0.1 | 1.2 |
| f043 | 22567-f043 | BOLLARD BRACKET CONNECTION | 10 | 10 | 1.9 | 19 | 0.1 | 1 |
| f044 | 22567-f044 | BOLLARD REINFORCEMENT TO TRANSVERSE | 12 | 12 | 0.6 | 7.2 | 0.0 | 0 |
| f045 | 22567-f045 | BOLLARD REINFORCEMENT - MID TO TRANSVERSE | 6 | 6 | 0.9 | 5.4 | 0.0 | 0 |
| f048 | 22567-f048 | BOLLARD REINFORCEMENT TO FWD/AFT PLATE | 2 | 2 | 2.2 | 4.4 | 0.1 | 0.2 |
| f052 | 22567-f052 | FLANGE, 3" SLIP ON | 16 | 16 | 1.6 | 25.6 | 0.0 | 0 |
| f053 | 22567-f053 | FLANGE, 2"SLIP ON | 16 | 16 | 1.2 | 19.2 | 0.0 | 0 |
| f064 | 22567-f064 | SIDE STIFFENER | 1 | 1 | 1.1 | 1.1 | 0.1 | 0.1 |
| f069 | 22567-f069 | SIDE STIFFENER | 1 | 1 | 1.1 | 1.1 | 0.0 | 0 |
| | | | | | | | **NO. OF REQ'D. G.A** | 1 |
| | | | | WEIGHT (kg.) / G.A. | 18718.5 | | SURFACE AREA (m²) / G.A. | 791.9 |
| | | | | TOTAL WEIGHT (kg.) | 18718.5 | | TOTAL SURFACE AREA (m²) | 791.9 |




ISOMETRIC VIEW

**GENERAL NOTES:**
1. THE MANUFACTURING AND FABRICATION OF ALL COMPONENTS SHALL COMPLY WITH AS4100 STD.
2. DESIGN DRAWINGS SHALL NOT BE SCALED.
3. ALL DIMENSIONS ARE EXPRESSED IN MILLIMETERS UNO.

**FABRICATION NOTES:**
1. THE CUT LIST IS FOR REFERENCE ONLY. FOR FINISHED DIMENSIONAL DATA CONSULT THE RELEVANT DETAIL DRAWINGS.
2. ALL WELDS AND WELDING PROCEDURES SHALL BE ACCORDANCE WITH AND COMPLY TO AS1554.1.
3. WELDS SHALL BE 6MM FILLET UNO.
4. WELDS SHALL BE CONTINUOUS UNO.
5. ALL CUT EDGES SHALL BE ROUNDED OFF, R3 mm. MINIMUM.
6. REMOVE ALL BURRS AND WELD SPATTER.

**SURFACE PROTECTION NOTES:**
1. SAND BLAST, CLASS 2-1/2
1. PROTECTIVE COATING:
   - "INTERNAL", 2 COATS INTERSHIELD 300, TOTAL DFT 350 MICRONS
   - "EXTERNAL", 2 COATS INTERZONE 954, TOTAL DFT 800 MICRONS.

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| REFERENCE DRAWING | | | REVISION HISTORY | | | | | | SIGNED APPROVAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | DRN | BPD | 26APR2016 |
| | | | | | | | | | CHK | | |
| | | | | | | | | | APP | | |
| P1 LAYOUT & CONNECTION | 15012-100-S-0021 | A | ISSUED FOR APPROVAL | 26APR2016 | | | | | JOB NUMBER | 22567 | |
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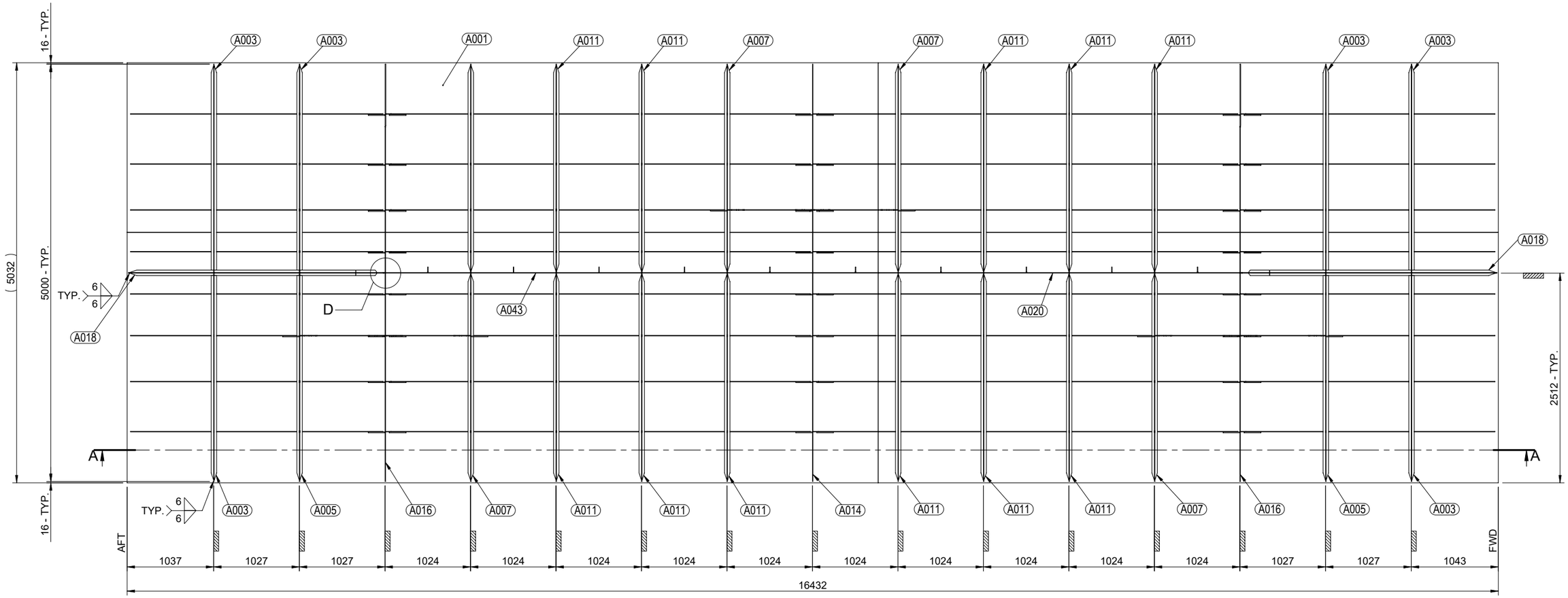
CLIENT: BIRDON

TITLE: STOKES HILL WHARF PONTOON STRUCTURE
PONTOON NO. 1 LAYOUT AND CONNECTION

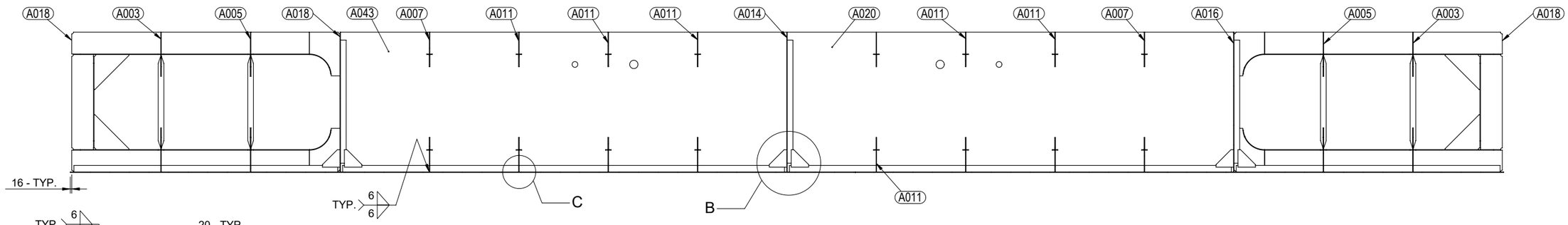
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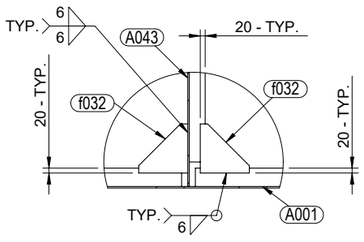
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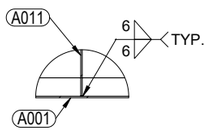

TOP VIEW



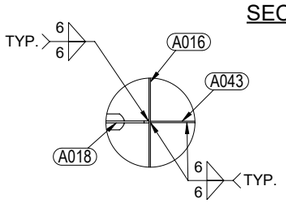

SECTION A-A




DETAIL B




DETAIL C




DETAIL D

NOTE:

1. DECK AND SIDE PLATES ARE REMOVED FOR CLARITY.

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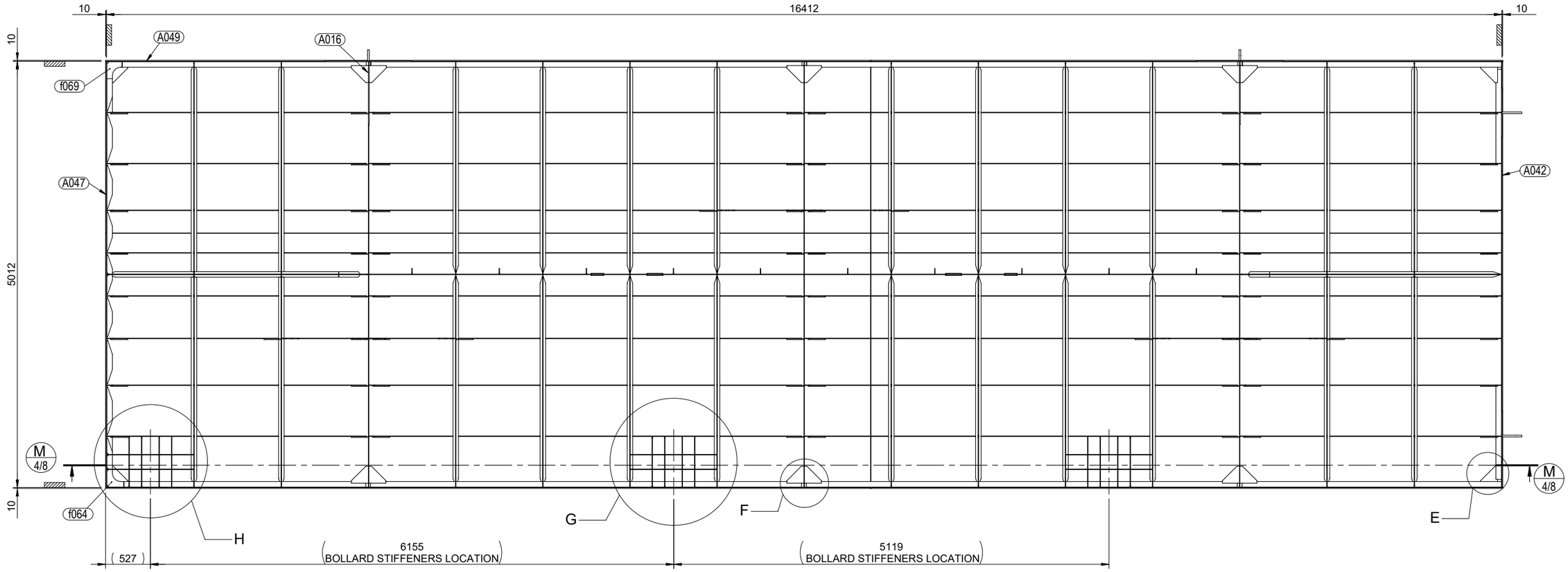
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CLIENT: BIRDON

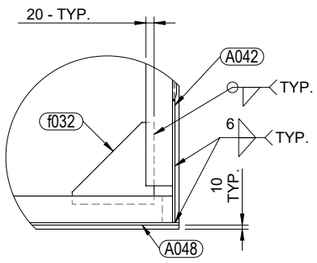
TITLE: STOKES HILL WHARF PONTOON STRUCTURE
(BOTTOM SHELL, TRANSVERSE FRAME, BULKHEAD AND GIRDER ARRANGEMENT)
PONTOON NO. 1

SCALE: NTS | DRAWING NUMBER: 22567-GA001 | REV. A | SHT. 2/8

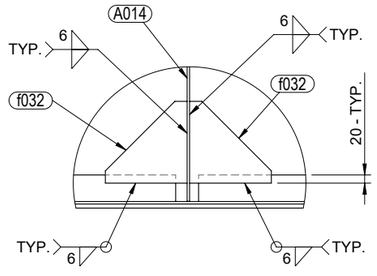
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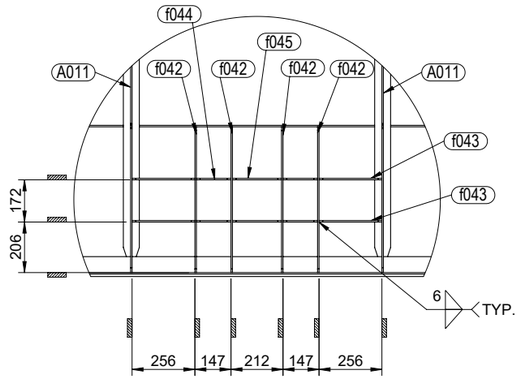

TOP VIEW



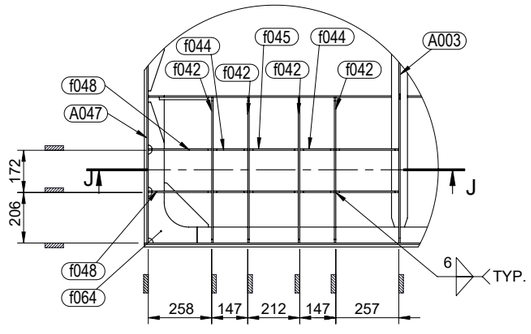

DETAIL E



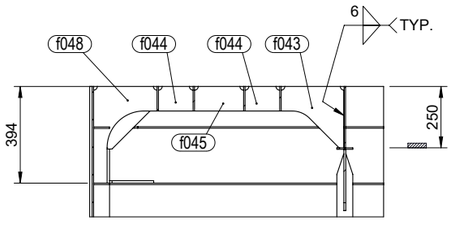

DETAIL F




DETAIL G
BOLLARD STIFFENERS ARRARNGEMENT - TYP.



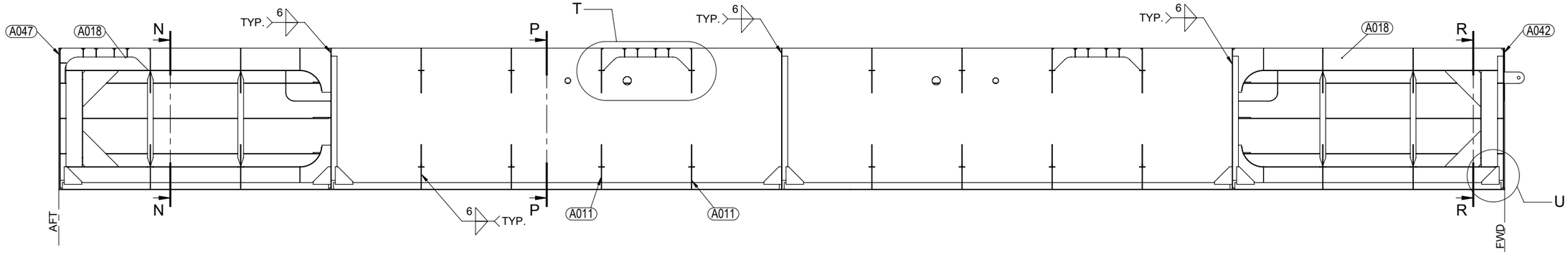

DETAIL H
BOLLARD STIFFENER TO SIDE PLATE CONNECTIONS



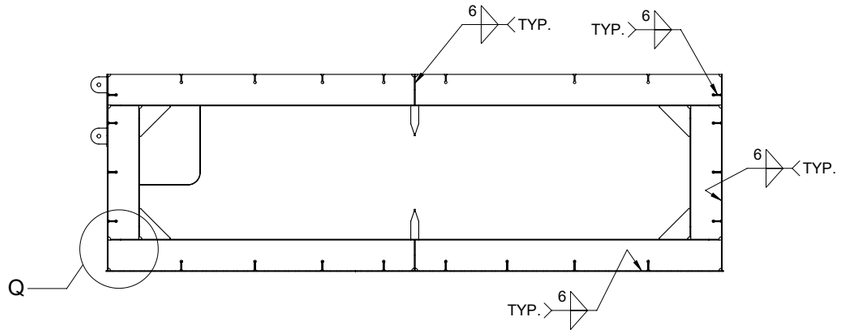

SECTION J-J

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| | | | | | | | | | APP | | | |
| 27 MENDIS ROAD, EAST ARM NT 0822, AU | P1 LAYOUT & CONNECTION | 15012-100-S-0021 | A | ISSUED FOR APPROVAL | 26APR2016 | | | | JOB NUMBER | 22567 | | |
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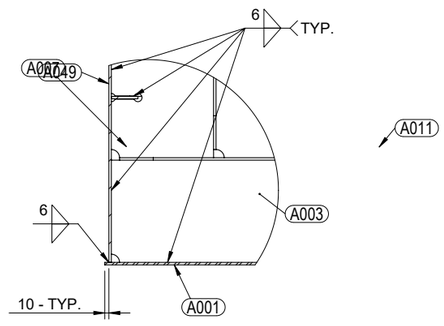
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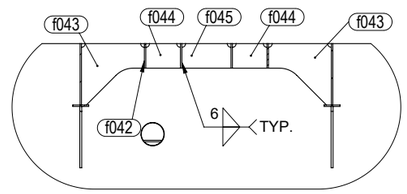

## SECTION M
(SHEET 3 OF 8)



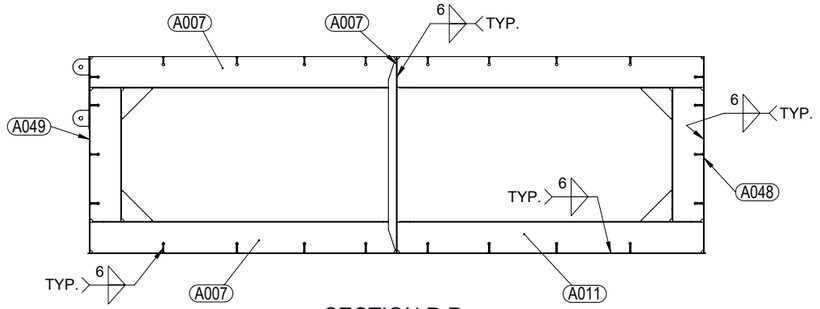

## SECTION N-N
(AFT LOOKING FWD)



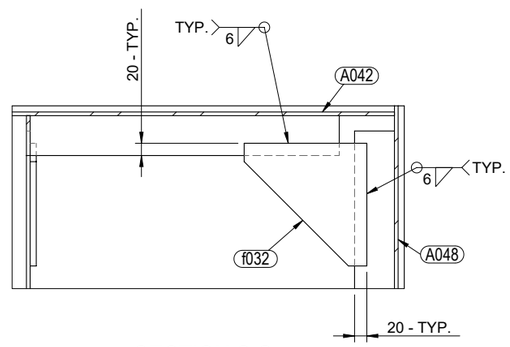

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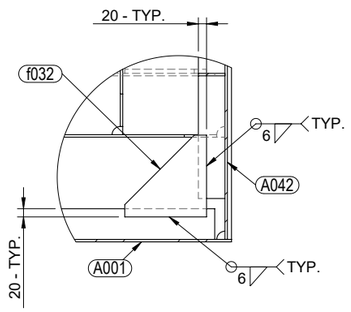

## DETAIL T



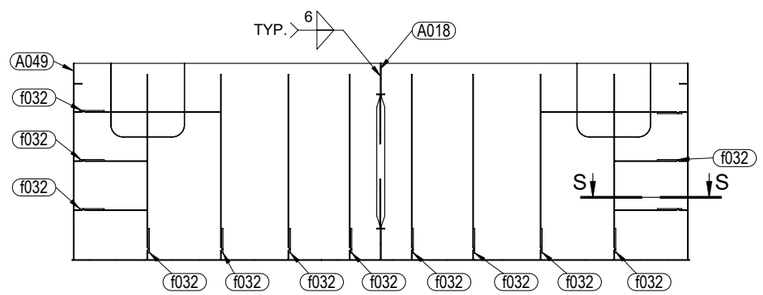

## SECTION P-P
(AFT LOOKING FWD)




## SECTION S-S




## DETAIL U




## SECTION R-R

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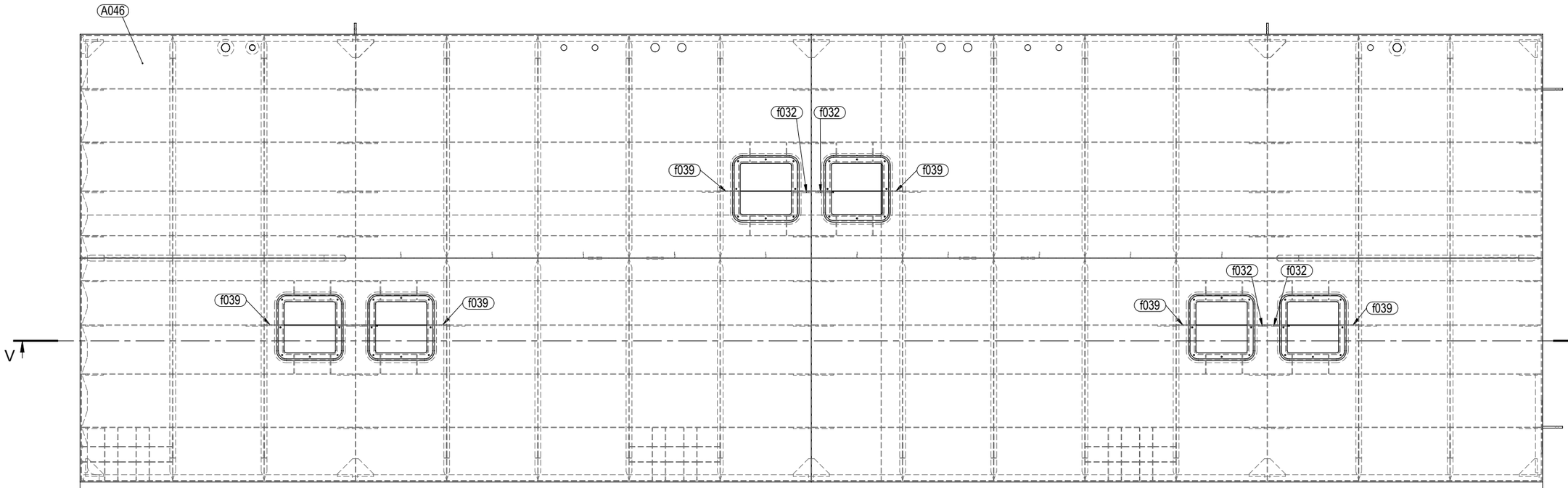
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CLIENT: BIRDON

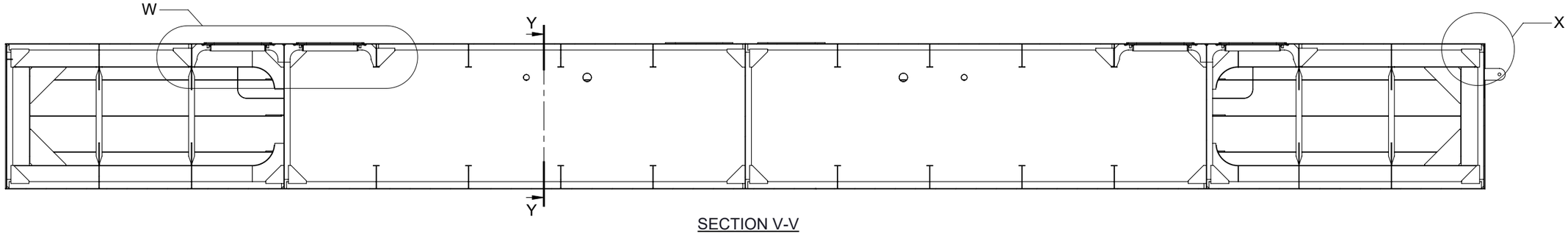
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(SIDE PLATES, GANGWAY AND BOLLARD STIFFENERS ARRANGEMENT)
PONTOON NO. 1

SCALE: NTS | DRAWING NUMBER: 22567-GA001 | REV. A | SHT. 4/8

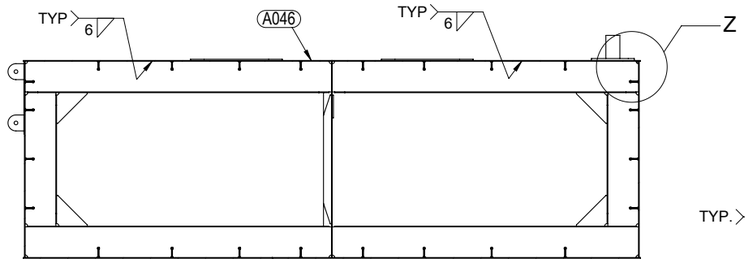
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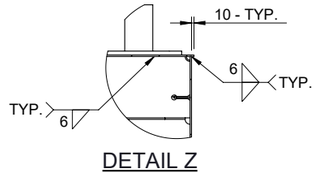

TOP VIEW



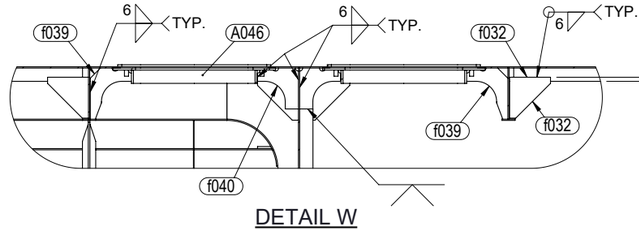

SECTION V-V



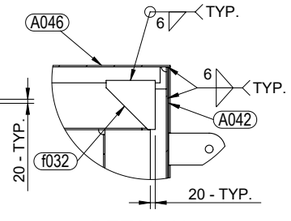

SECTION Y-Y




DETAIL Z




DETAIL W




DETAIL X

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| REFERENCE DRAWING | |
|---|---|
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| | |
| P1 LAYOUT & CONNECTION | 15012-100-S-0021 |
| TITLE | DRAWING # |

| REVISION HISTORY | | | | | | |
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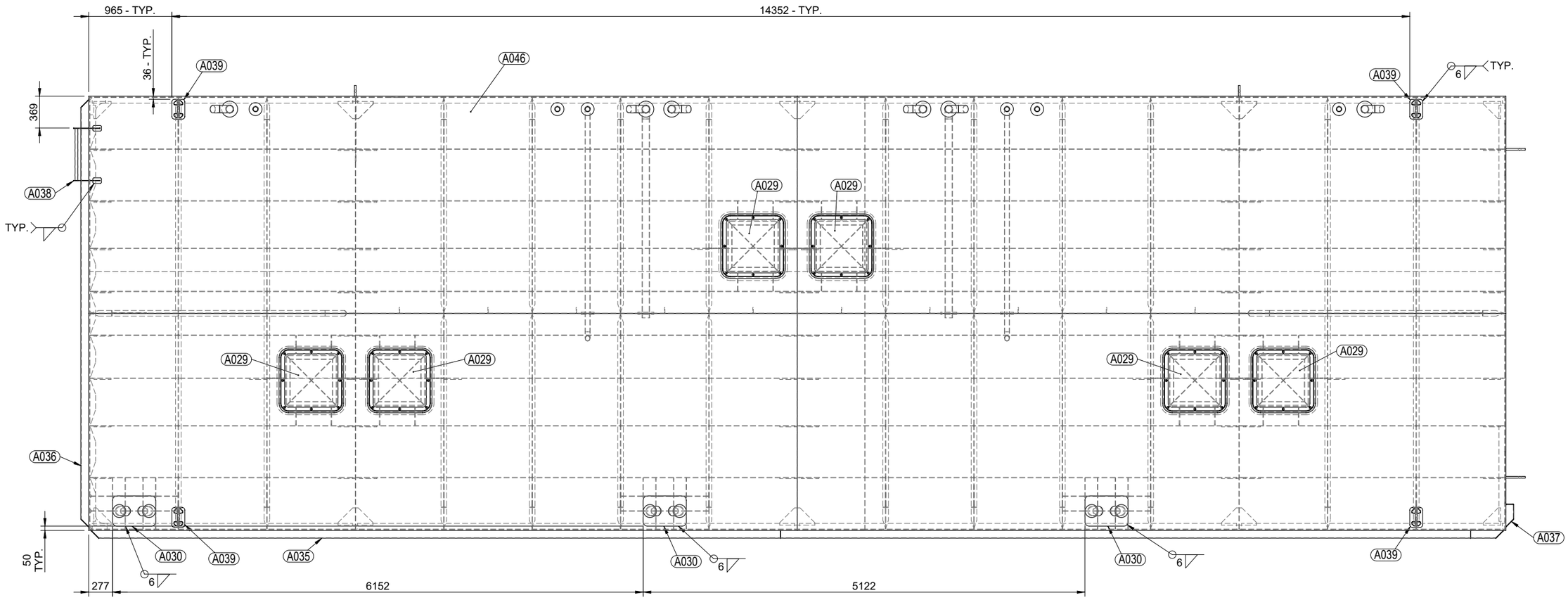
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CLIENT: BIRDON

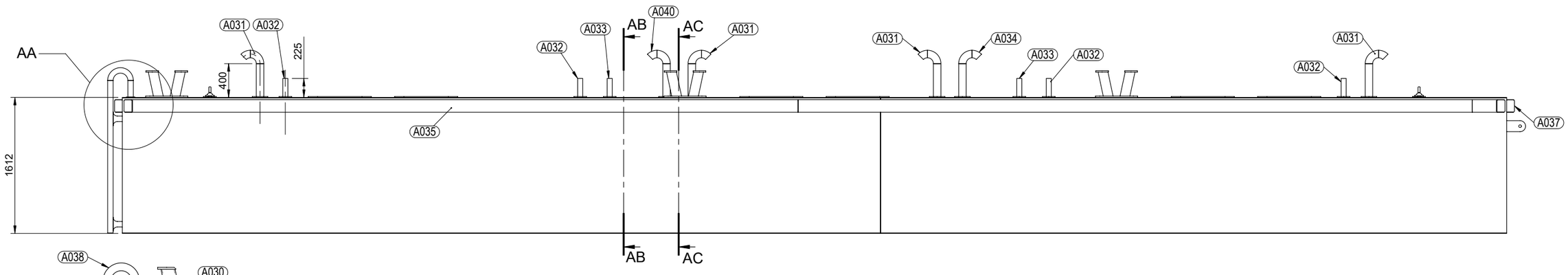
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DECK SHELL ARRANGEMENT

SCALE: NTS | DRAWING NUMBER: 22567-GA001 | REV. A | SHT. 5/8

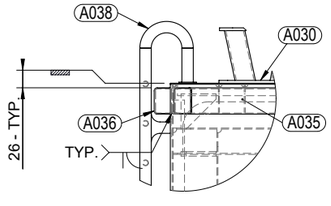
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TOP VIEW




FRONT VIEW




DETAIL AA

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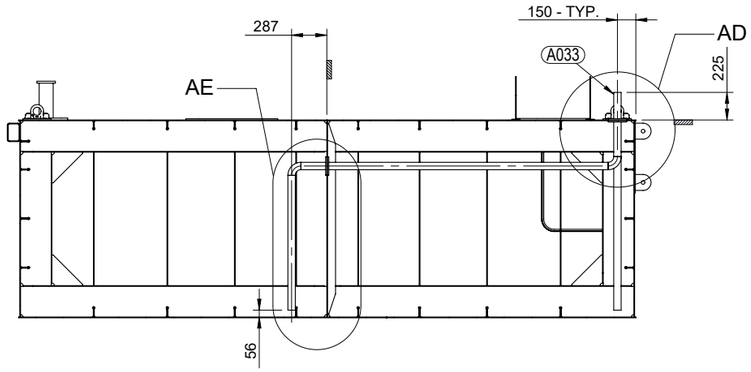
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| | | | | | | | | APP | | |
| P1 LAYOUT & CONNECTION | 15012-100-S-0021 | A | ISSUED FOR APPROVAL | 26APR2016 | | | | JOB NUMBER | 22567 | |
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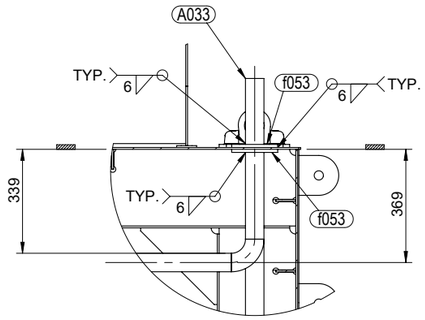
TITLE: STOKES HILL WHARF PONTOON STRUCTURE
PONTOON NO. 1 EQUIPMENT ARRANGEMENT

SCALE: NTS | DRAWING NUMBER: 22567-GA001 | REV. A | SHT. 6/8

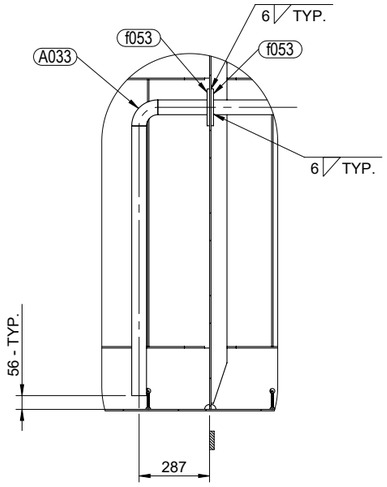
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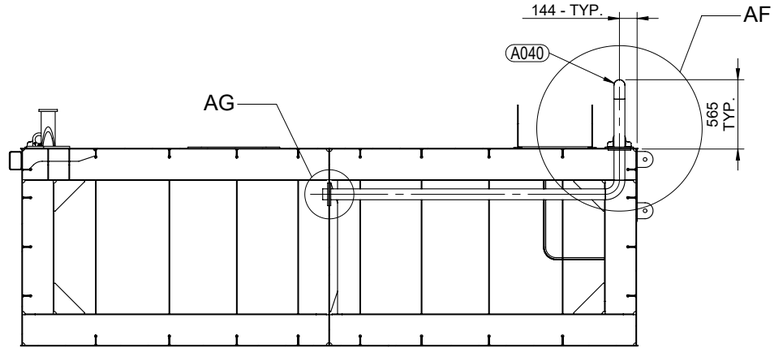

SECTION AB-AB
FWD. LOOKING AFT



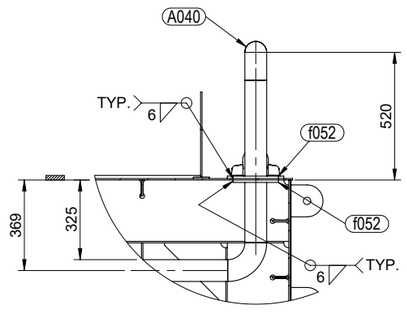

DETAIL AD



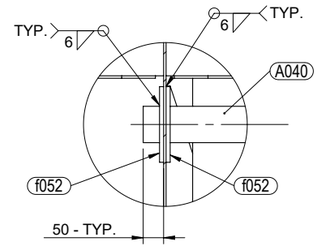

DETAIL AE




SECTION AC-AC
FWD. LOOKING AFT




DETAIL AF




DETAIL AG

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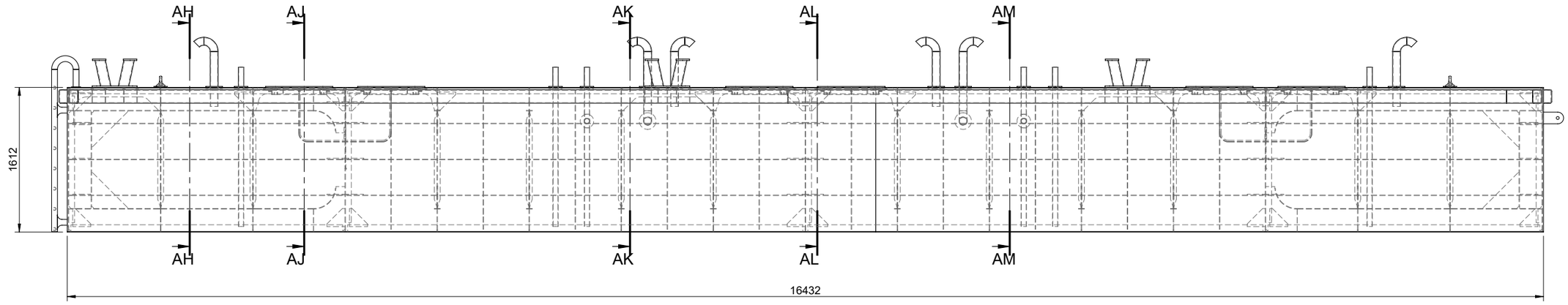
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| P1 LAYOUT & CONNECTION | 15012-100-S-0021 | A | ISSUED FOR APPROVAL | 26APR2016 | | | | JOB NUMBER | 22567 | |
| TITLE | DRAWING # | REV. | DESCRIPTION | DATE | AUTHOR | CHECKER | DESIGN E. | PROJECTION: | | |

CLIENT: BIRDON

TITLE: STOKES HILL WHARF PONTOON STRUCTURE
PONTOON NO. 1, PIPING ARRANGEMENT

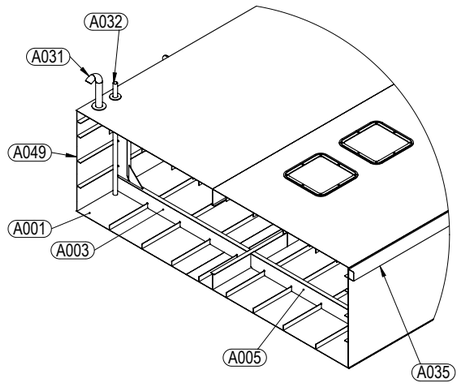
SCALE: NTS | DRAWING NUMBER: 22567-GA001 | REV. A | SHT. 7/8

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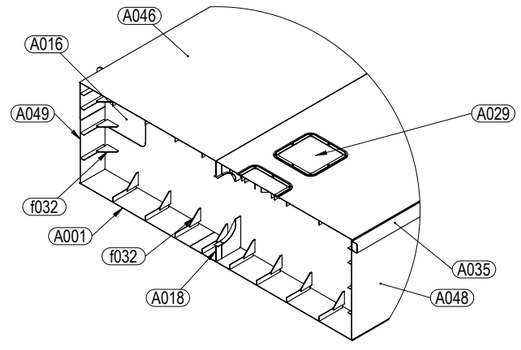



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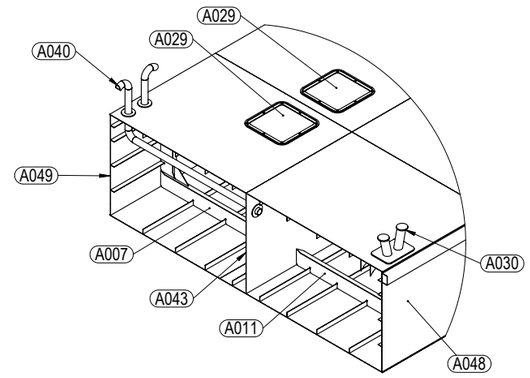
STBD. LOOKING PORT



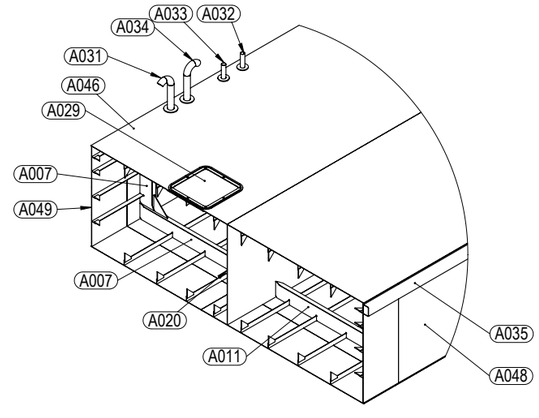

## SECTION AH-AH



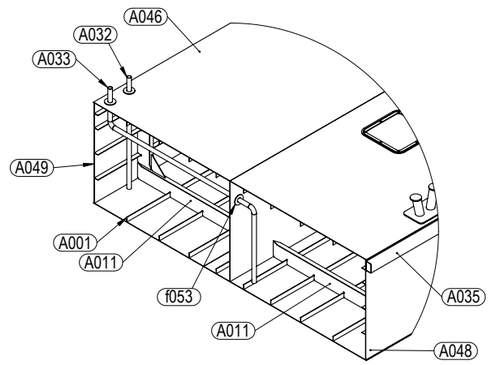

## SECTION AJ-AJ



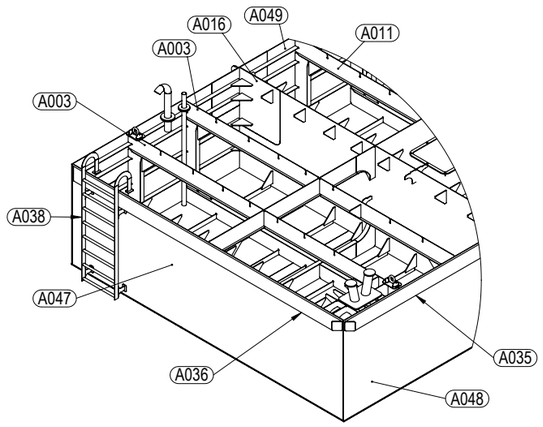

## SECTION AK-AK




## SECTION AL-AL

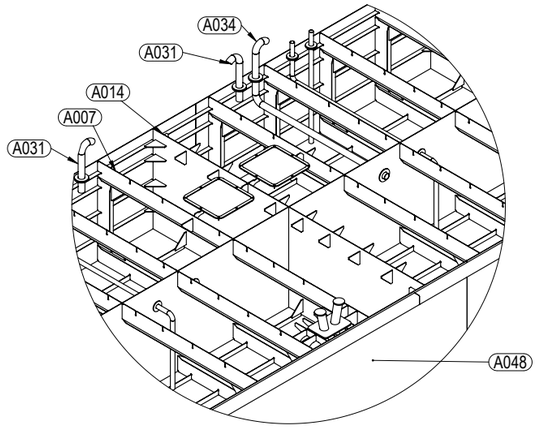



## SECTION AM-AM



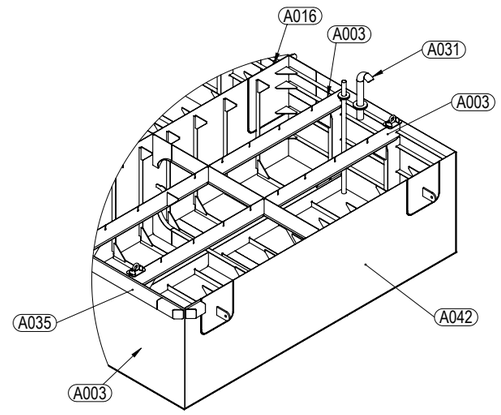

## ISOMETRIC VIEW

AFT SIDE, SHELL PLATE AND FRAMES, DECK SHELL REMOVED




## ISOMETRIC VIEW

SHELL PLATE AND FRAMES, DECK SHELL REMOVED




## ISOMETRIC VIEW

FWD SIDE, SHELL PLATE AND FRAMES, DECK SHELL REMOVED

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| REFERENCE DRAWING | | REVISION HISTORY | | | | | | SIGNED APPROVAL | | |
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| | | | | | | | | DRN | BPD | 26APR2016 |
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| | | | | | | | | APP | | |
| P1 LAYOUT & CONNECTION | 15012-100-S-0021 | A | ISSUED FOR APPROVAL | 26APR2016 | | | | JOB NUMBER | | 22567 |
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CLIENT: BIRDON

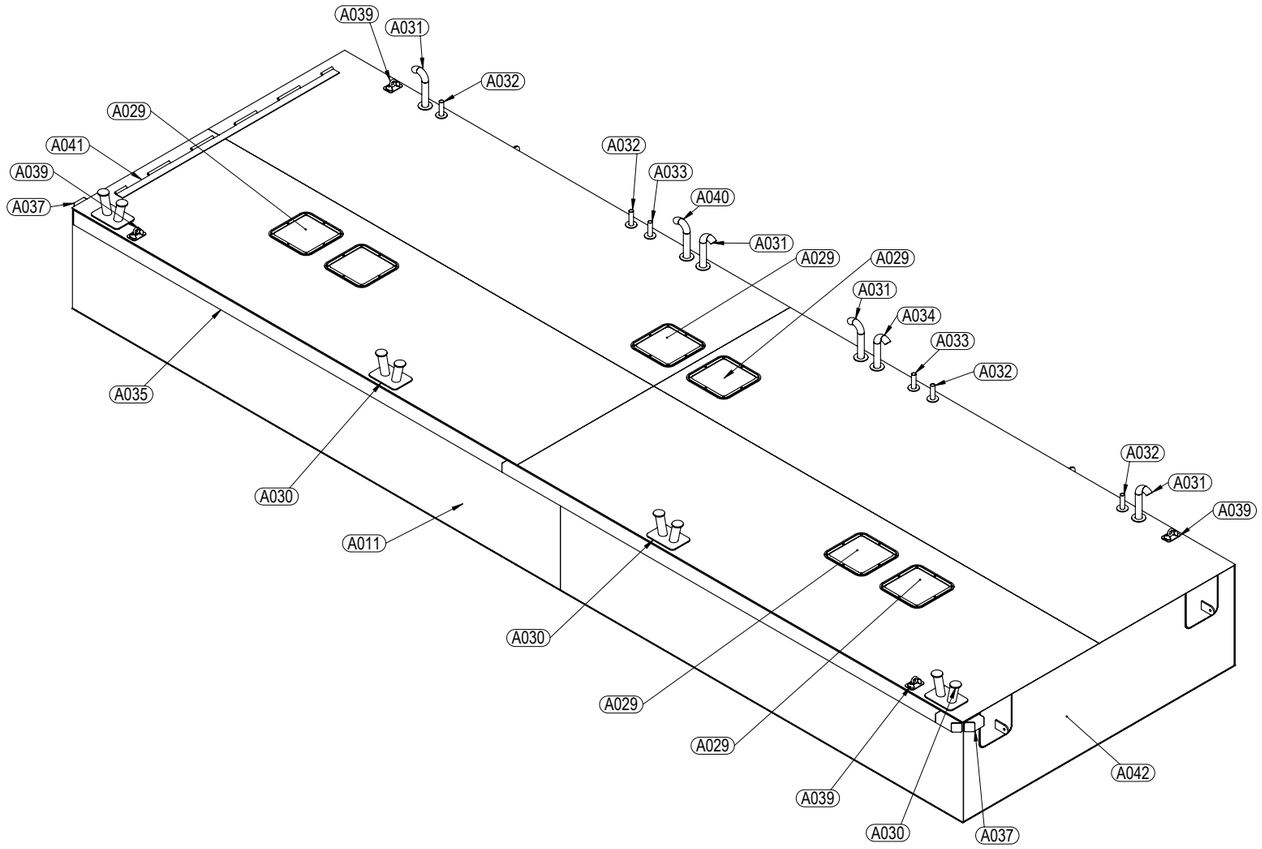
TITLE: STOKES HILL WHARF PONTOON STRUCTURE
PONTOON NO. 1 ARRANGEMENT DETAILS

SCALE: NTS | DRAWING NUMBER: 22567-GA001 | REV. A | SHT. 8/8

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## ASSEMBLY / PARTS LIST

| ITEM NO. | DRAWING NO. | DESCRIPTION | QTY. | QTY. REQ'D. | WEIGHT (kg.) / ASSY. | WEIGHT (kg.) SUB TOTAL | SURFACE AREA (m²) / ASSY. | SURFACE AREA (m²) SUB TOTAL |
|---|---|---|---|---|---|---|---|---|
| A001 | 22567-A001 | BOTTOM PLATE AND STRINGERS | 1 | 1 | 4351.8 | 4351.8 | 186.9 | 186.9 |
| A002 | 22567-A002 | AFT CLOSING PLATE | 1 | 1 | 462.1 | 462.1 | 18.6 | 18.6 |
| A003 | 22567-A003 | FR01, FR02, FR.14, FR.15 - STBD. / PORT SIDE | 6 | 6 | 93.0 | 558 | 4.1 | 24.6 |
| A005 | 22567-A005 | FR02, FR.14 - STBD. SIDE | 2 | 2 | 93.0 | 186 | 4.1 | 8.2 |
| A011 | 22567-A011 | FRAMES - PORT / STBD. SIDE | 12 | 12 | 92.8 | 1113.6 | 4.1 | 49.2 |
| A007 | 22567-A007 | FR.04, FR.07, FR.09 FR.12 - STBD. / PORT SIDE | 4 | 4 | 92.9 | 371.6 | 4.1 | 16.4 |
| A014 | 22567-A014 | BHD.08 | 1 | 1 | 411.0 | 411 | 17.7 | 17.7 |
| A016 | 22567-A016 | BHD.013 | 2 | 2 | 431.2 | 862.4 | 17.7 | 35.4 |
| A018 | 22567-A018 | LONGITUDINAL GIRDER | 2 | 2 | 150.3 | 300.6 | 5.3 | 10.6 |
| A020 | 22567-A020 | LONGITUDIANAL BULKHEAD FWD SIDE | 1 | 1 | 417.8 | 417.8 | 18.0 | 18 |
| A029 | 22567-A029 | MANHOLE / COMPARTMENT COVER | 6 | 6 | 37.4 | 224.4 | 1.6 | 9.6 |
| A030 | 22567-A030 | BOLLARD | 4 | 4 | 38.4 | 153.6 | 0.9 | 3.6 |
| A031 | 22567-A031 | ABOVE DECK VENT | 4 | 4 | 10.0 | 40 | 0.5 | 2 |
| A032 | 22567-A032 | SUCTION - DIRECT ENTRANCE TO COMPARTMENT | 4 | 4 | 9.9 | 39.6 | 0.6 | 2.4 |
| A033 | 22567-A033 | SUCTION LINE | 2 | 2 | 24.3 | 48.6 | 1.6 | 3.2 |
| A034 | 22567-A034 | AIR VENT TO VENTING COMPARTMENT | 1 | 1 | 38.6 | 38.6 | 1.8 | 1.8 |
| A035 | 22567-A035 | STBD. SIDE FENDER | 1 | 1 | 351.2 | 351.2 | 14.9 | 14.9 |
| A037 | 22567-A037 | PONTOON END FENDER | 2 | 2 | 6.1 | 12.2 | 0.3 | 0.6 |
| A039 | 22567-A039 | LIFTING LUG | 4 | 4 | 0.7 | 2.8 | 0.1 | 0.4 |
| A040 | 22567-A040 | AIR VENT TO VENTING COMPARTMENT AFT SIDE | 1 | 1 | 38.6 | 38.6 | 1.8 | 1.8 |
| A041 | 22567-A041 | CROSSING ASSEMBLY HINGE | 1 | 1 | 4.5 | 4.5 | 1.4 | 1.4 |
| A042 | 22567-A042 | FWD CLOSING PLATE | 1 | 1 | 453.5 | 453.5 | 18.4 | 18.4 |
| A043 | 22567-A043 | CENTERLINE BULKHEAD | 1 | 1 | 417.8 | 417.8 | 18.0 | 18 |
| A044 | 22567-A044 | PORT SIDE CLOSING PLATE AND STRINGERS | 1 | 1 | 1482.0 | 1482 | 62.2 | 62.2 |
| A045 | 22567-A045 | STBD. SIDE CLOSING PLATE STRINGERS | 1 | 1 | 1436.6 | 1436.6 | 62.0 | 62 |
| A046 | 22567-A046 | PONTOON NO. 1 & 2 DECK PLATE AND STRINGERS | 1 | 1 | 4374.6 | 4374.6 | 184.9 | 184.9 |
| f032 | 22567-f032 | STRINGER CONNECTION BRACKET | 188 | 188 | 2.0 | 376 | 0.1 | 18.8 |
| f039 | 22567-f039 | HATCH TO FRAME BRACKET | 6 | 6 | 1.4 | 8.4 | 0.1 | 0.6 |
| f040 | 22567-f040 | HATCH TO BHD BRACKET | 6 | 6 | 1.4 | 8.4 | 0.1 | 0.6 |
| f042 | 22567-f042 | BOLLARD TRANSVERSE BRACKET | 16 | 16 | 2.9 | 46.4 | 0.1 | 1.6 |
| f043 | 22567-f043 | BOLLARD BRACKET CONNECTION | 12 | 12 | 1.9 | 22.8 | 0.1 | 1.2 |
| f044 | 22567-f044 | BOLLARD REINFORCEMENT TO TRANSVERSE | 16 | 16 | 0.6 | 9.6 | 0.0 | 0 |
| f045 | 22567-f045 | BOLLARD REINFORCEMENT - MID TO TRANSVERSE | 8 | 8 | 0.9 | 7.2 | 0.0 | 0 |
| f048 | 22567-f048 | BOLLARD REINFORCEMENT TO FWD/AFT PLATE | 4 | 4 | 2.2 | 8.8 | 0.1 | 0.4 |
| f052 | 22567-f052 | FLANGE, 3" SLIP ON | 16 | 16 | 1.6 | 25.6 | 0.0 | 0 |
| f053 | 22567-f053 | FLANGE, 2"SLIP ON | 16 | 16 | 1.2 | 19.2 | 0.0 | 0 |
| | | | | | | | **NO. OF REQ'D. G.A** | 1 |
| | | | | | WEIGHT (kg.) / G.A. | 18687.3 | SURFACE AREA (m²) / G.A. | 789.2 |
| | | | | | TOTAL WEIGHT (kg.) | 18687.3 | TOTAL SURFACE AREA (m²) | 789.2 |




ISOMETRIC VIEW

**GENERAL NOTES:**
1. THE MANUFACTURING AND FABRICATION OF ALL COMPONENTS SHALL COMPLY WITH AS4100 STD.
2. DESIGN DRAWINGS SHALL NOT BE SCALED.
3. ALL DIMENSIONS ARE EXPRESSED IN MILLIMETERS UNO.

**FABRICATION NOTES:**
1. THE CUT LIST IS FOR REFERENCE ONLY. FOR FINISHED DIMENSIONAL DATA CONSULT THE RELEVANT DETAIL DRAWINGS.
2. ALL WELDS AND WELDING PROCEDURES SHALL BE ACCORDANCE WITH AND COMPLY TO AS1554.1.
3. WELDS SHALL BE 6MM FILLET UNO.
4. WELDS SHALL BE CONTINUOUS UNO.
5. ALL CUT EDGES SHALL BE ROUNDED OFF, R3 mm. MINIMUM.
6. REMOVE ALL BURRS AND WELD SPATTER.

**SURFACE PROTECTION NOTES:**
1. SAND BLAST, CLASS 2-1/2
1. PROTECTIVE COATING:
   - "INTERNAL", 2 COATS INTERSHIELD 300, TOTAL DFT 350 MICRONS
   - "EXTERNAL", 2 COATS INTERZONE 954, TOTAL DFT 800 MICRONS.

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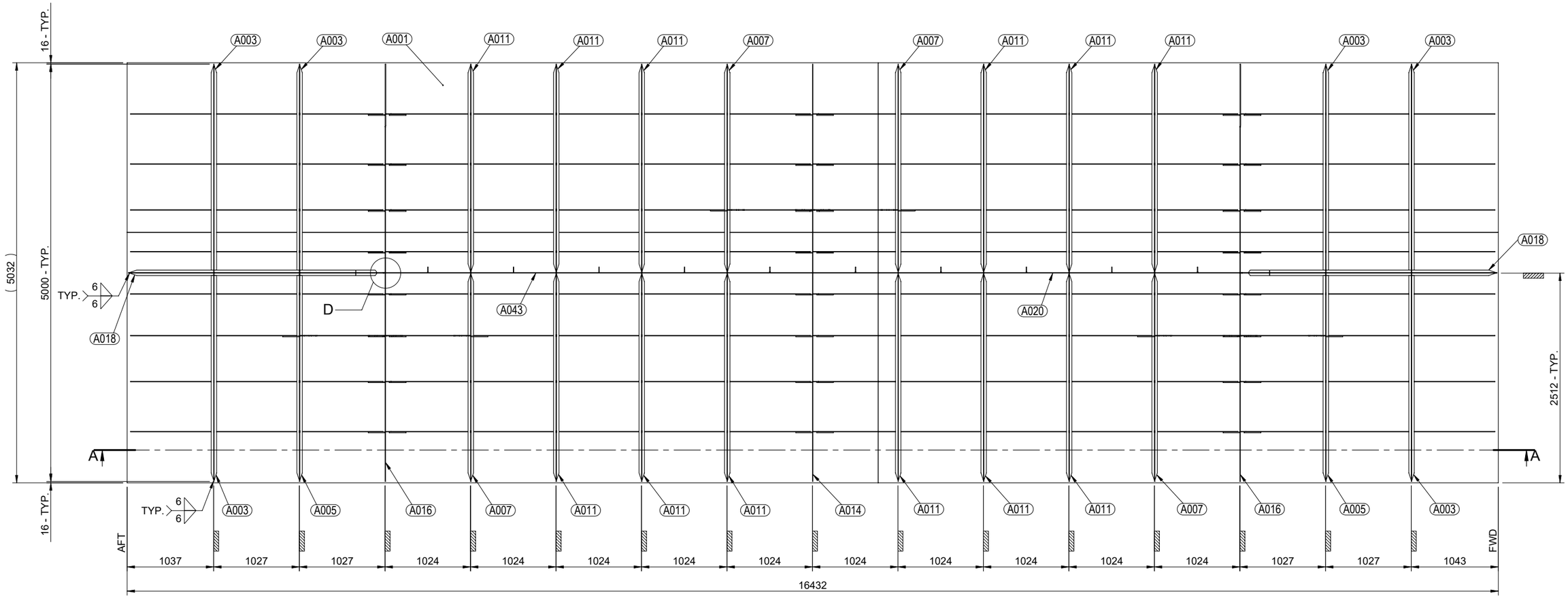
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| P3 LAYOUT & CONNECTION | 15012-100-S-0021 | A | ISSUED FOR APPROVAL | 26APR2016 | | | | JOB NUMBER | 22567 | |
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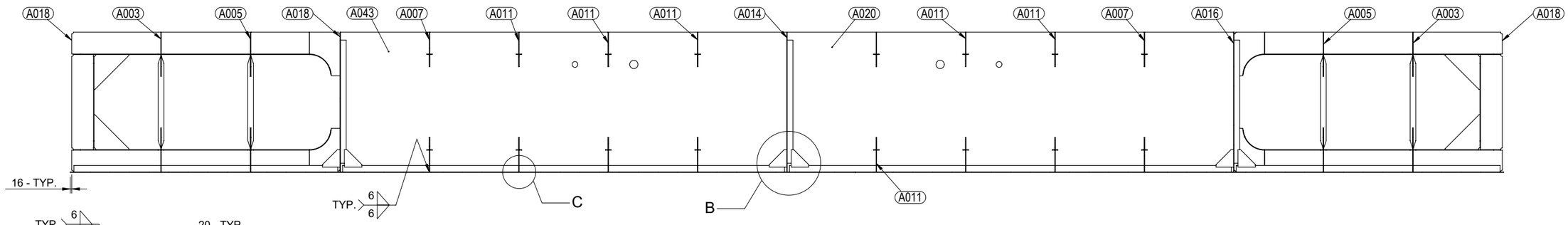
TITLE: STOKES HILL WHARF PONTOON STRUCTURE
PONTOON NO. 2 LAYOUT AND CONNECTION

SCALE: NTS | DRAWING NUMBER: 22567-GA002 | REV. A | SHT. 1/8

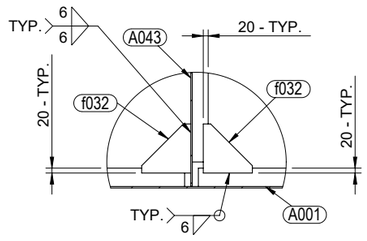
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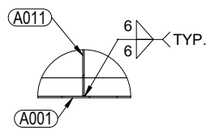

TOP VIEW



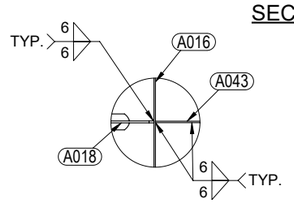

SECTION A-A




DETAIL B




DETAIL C




DETAIL D

NOTE:

1. DECK AND SIDE PLATES ARE REMOVED FOR CLARITY.

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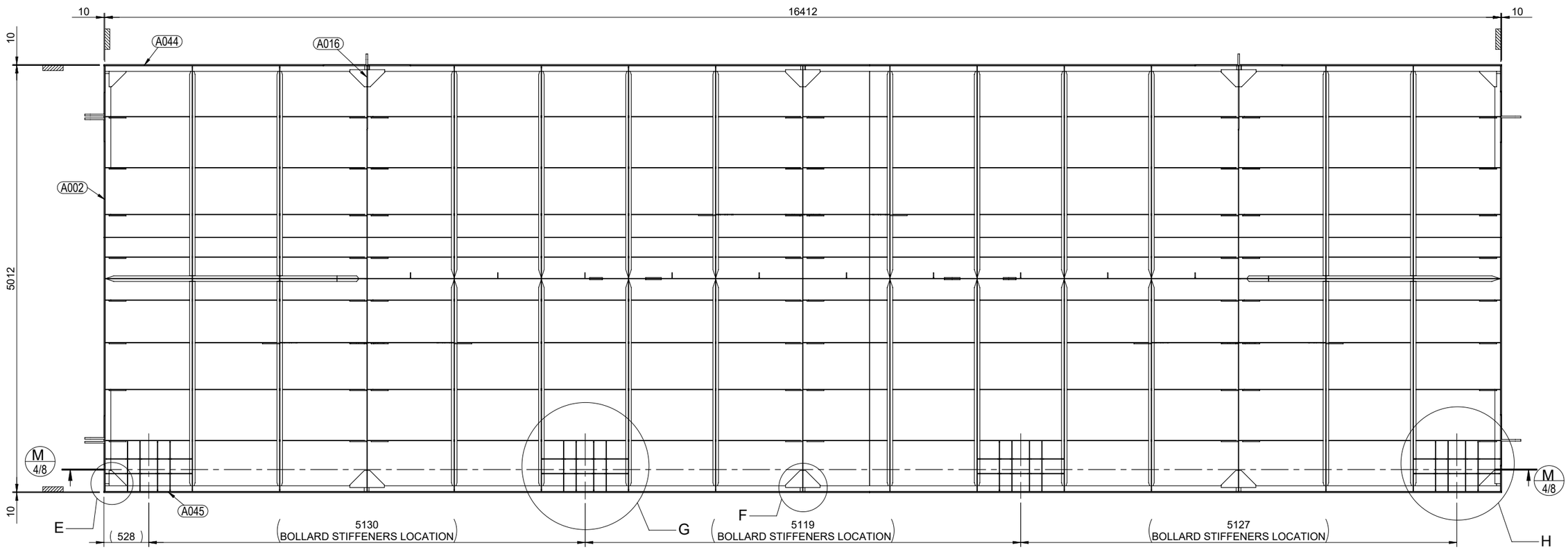
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CLIENT: BIRDON

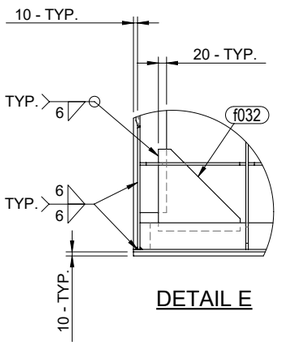
TITLE: STOKES HILL WHARF PONTOON STRUCTURE
(BOTTOM SHELL, TRANSVERSE FRAME, BULKHEAD AND GIRDER ARRANGEMENT)
PONTOON NO. 2

SCALE: NTS | DRAWING NUMBER: 22567-GA002 | REV. A | SHT. 2/8

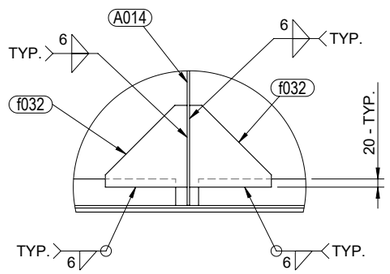
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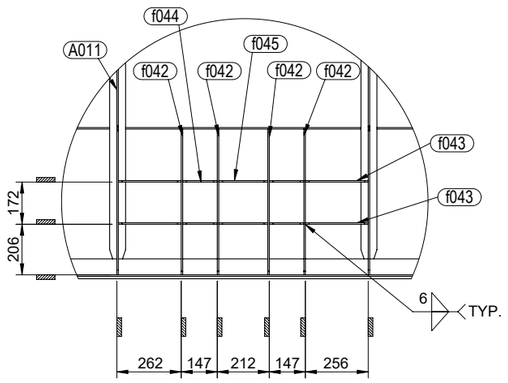

TOP VIEW



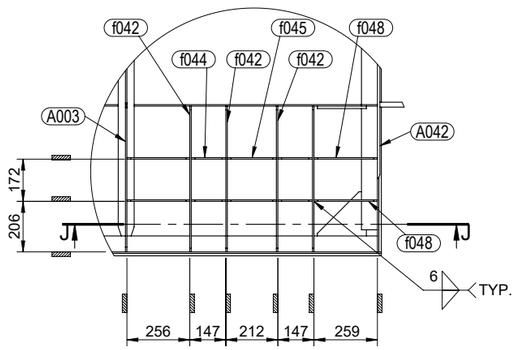

DETAIL E



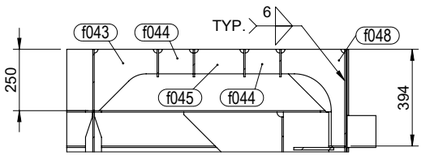

DETAIL F




DETAIL G
BOLLARD STIFFENERS ARRARNGEMENT - TYP.




DETAIL H
BOLLARD STIFFENER TO SIDE PLATE CONNECTIONS




SECTION J-J

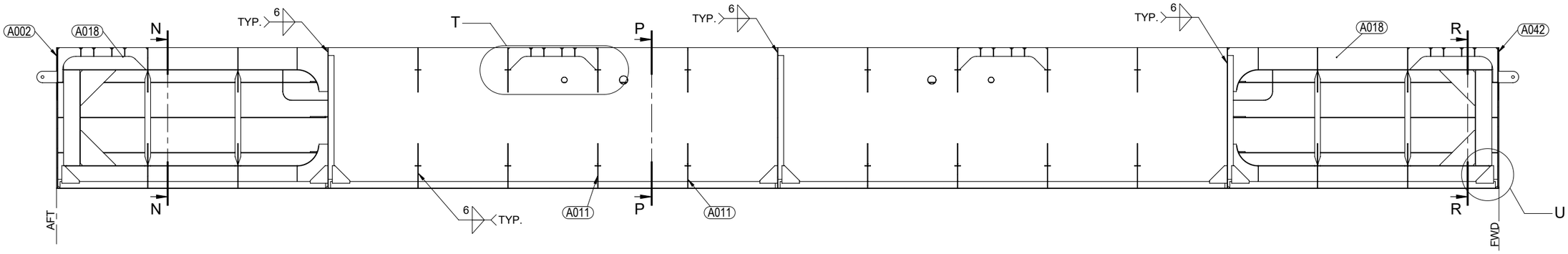
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| | | | | | | | | | CHK | | |
| | | | | | | | | | APP | | |
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| www.mmc1.com.au | TITLE | DRAWING # | REV. | DESCRIPTION | DATE | AUTHOR | CHECKER | DESIGN E. | PROJECTION: | | |

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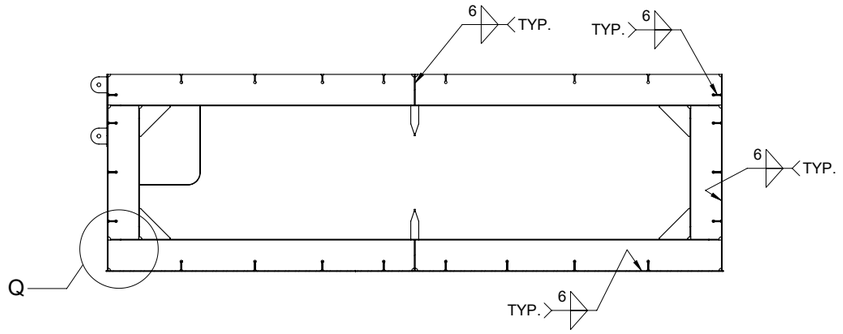
TITLE: STOKES HILL WHARF PONTOON STRUCTURE
(SIDE PLATES, GANGWAY AND BOLLARD STIFFENERS ARRANGEMENT)
PONTOON NO. 2

SCALE: NTS | DRAWING NUMBER: 22567-GA002 | REV. A | SHT. 3/8

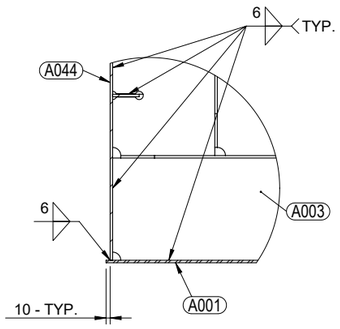
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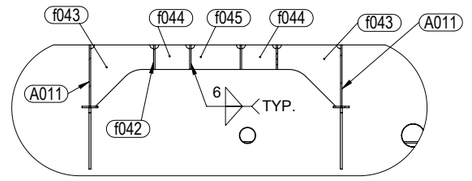

## SECTION M
(SHEET 3 OF 8)



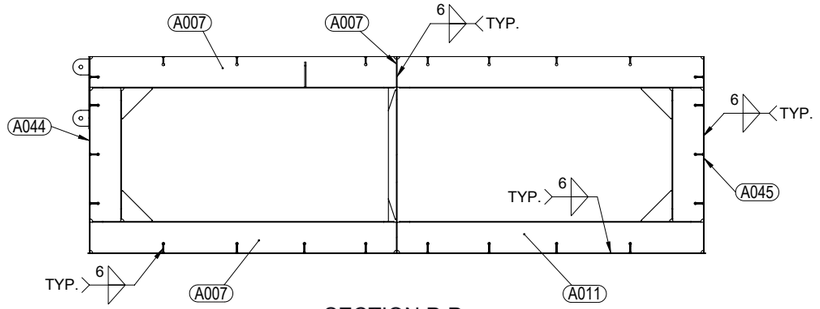

## SECTION N-N
(AFT LOOKING FWD)



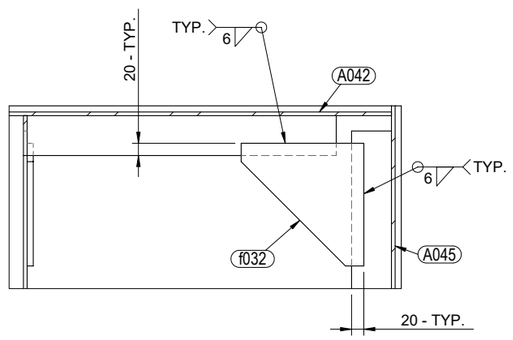

## DETAIL Q



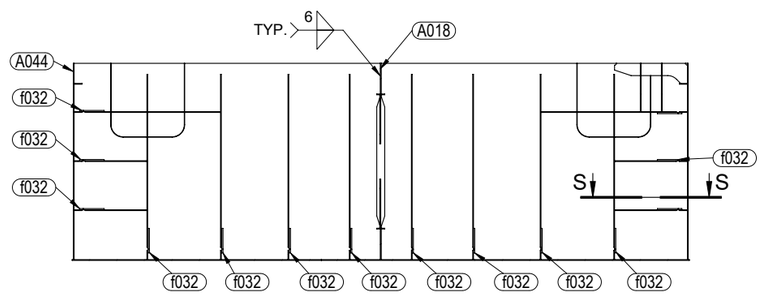

## DETAIL T



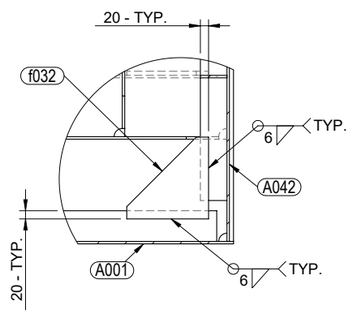

## SECTION P-P
(AFT LOOKING FWD)




## SECTION S-S



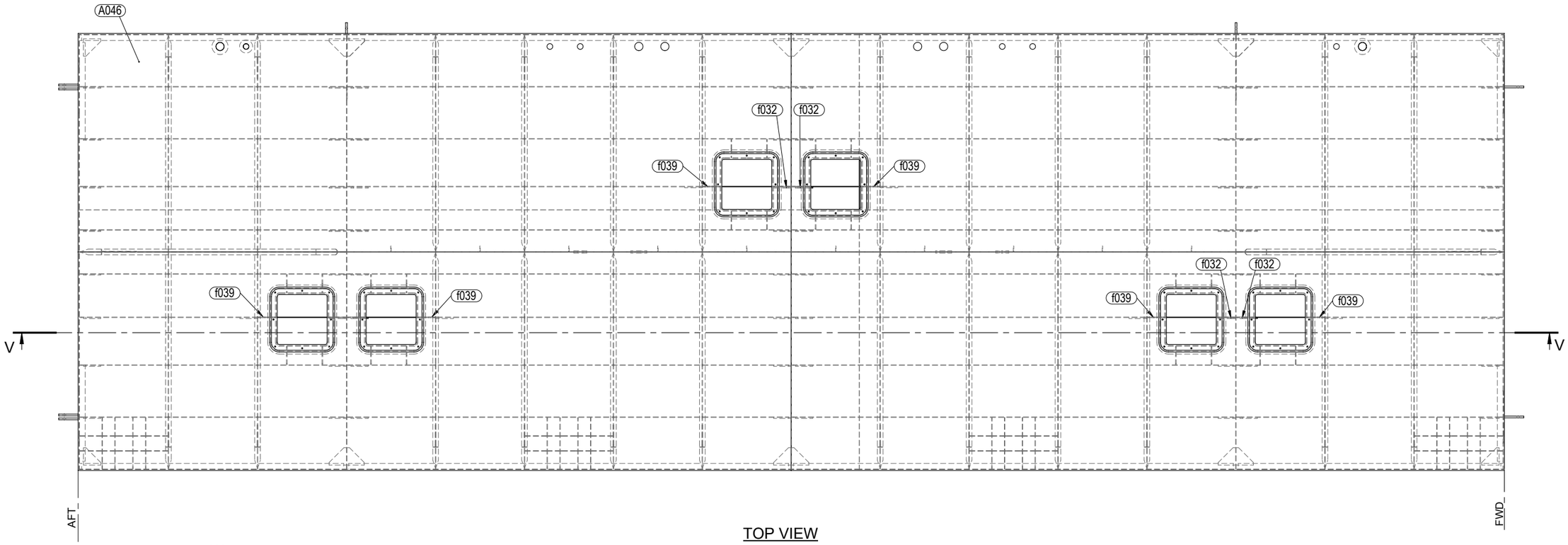

## SECTION R-R



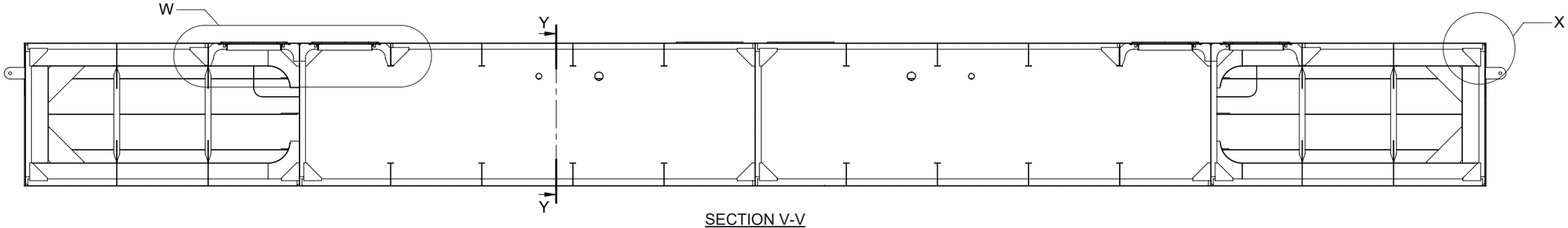

## DETAIL U

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|---|---|---|---|---|---|---|---|---|---|---|---|
| MMC | REFERENCE DRAWING | | REVISION HISTORY | | | | | | SIGNED APPROVAL | | | CLIENT: BIRDON |
| | | | | | | | | | DRN | BPD | 26APR2016 | |
| | | | | | | | | | CHK | | | TITLE: STOKES HILL WHARF PONTOON STRUCTURE |
| | | | | | | | | | APP | | | (SIDE PLATES, GANGWAY AND BOLLARD STIFFENERS ARRANGEMENT) |
| 27 MENDIS ROAD, EAST ARM NT 0822, AU | P3 LAYOUT & CONNECTION | 15012-100-S-0021 | A | ISSUED FOR APPROVAL | 26APR2016 | | | | JOB NUMBER | 22567 | | PONTOON NO. 2 |
| www.mmc1.com.au | TITLE | DRAWING # | REV. | DESCRIPTION | DATE | AUTHOR | CHECKER | DESIGN E. | PROJECTION: | | | SCALE: NTS / DRAWING NUMBER: 22567-GA002 / REV. A / SHT. 4/8 |

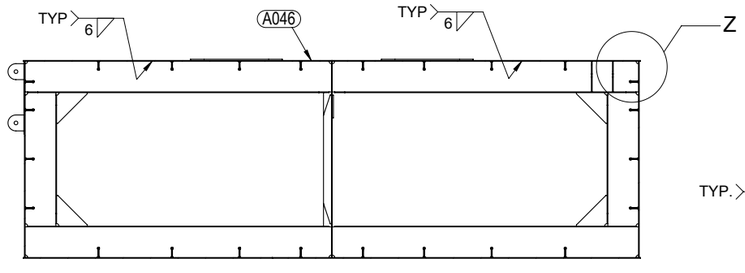
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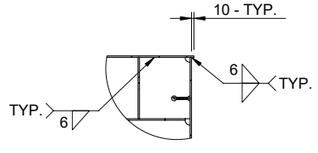

TOP VIEW



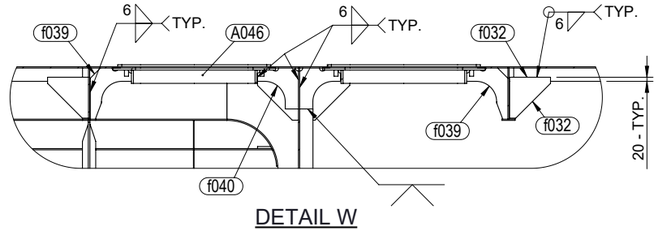

SECTION V-V



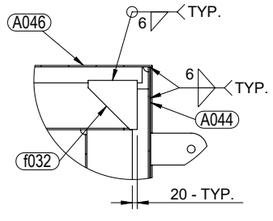

SECTION Y-Y




DETAIL Z




DETAIL W




DETAIL X

MMC

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| REFERENCE DRAWING | |
|---|---|
| | |
| | |
| | |
| P3 LAYOUT & CONNECTION | 15012-100-S-0021 |
| TITLE | DRAWING # |

| REVISION HISTORY | | | | | | |
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| A | ISSUED FOR APPROVAL | 26APR2016 | | | | |
| REV. | DESCRIPTION | DATE | AUTHOR | CHECKER | DESIGN E. | |

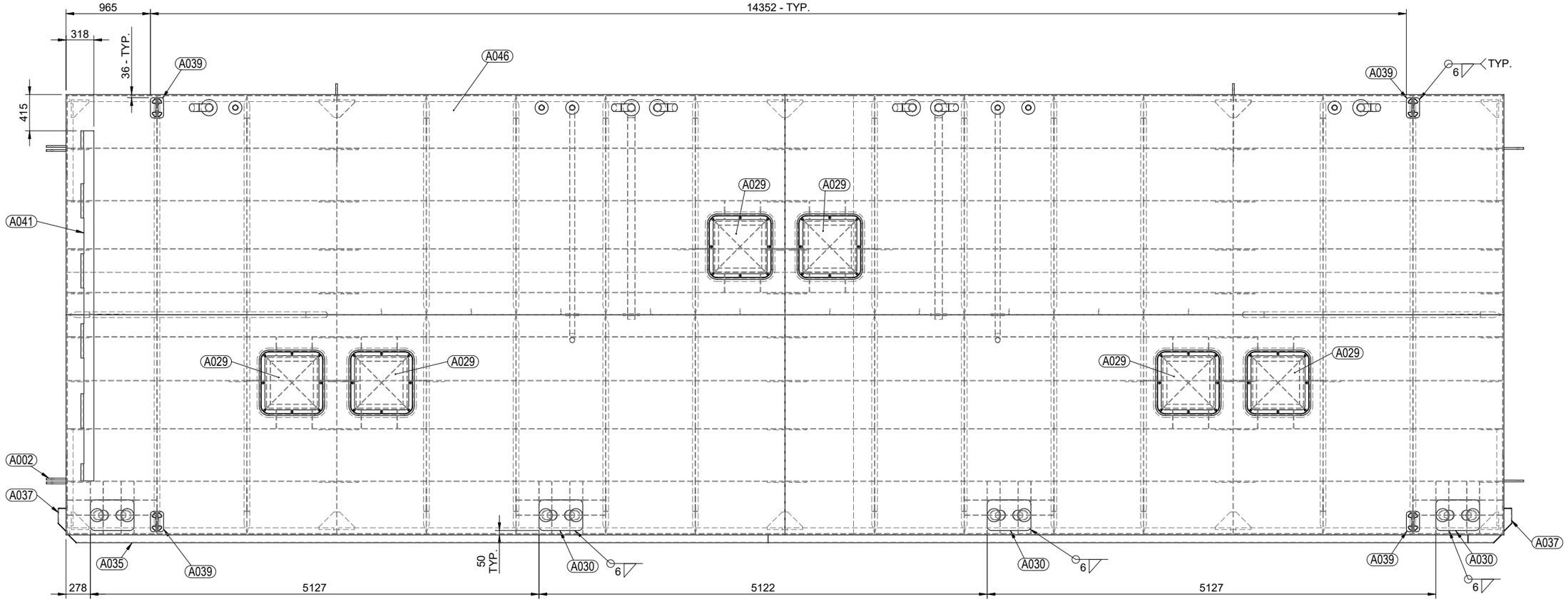
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| DRN | BPD | 26APR2016 |
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| APP | | |
| JOB NUMBER | 22567 | |
| PROJECTION: | | |

CLIENT: BIRDON

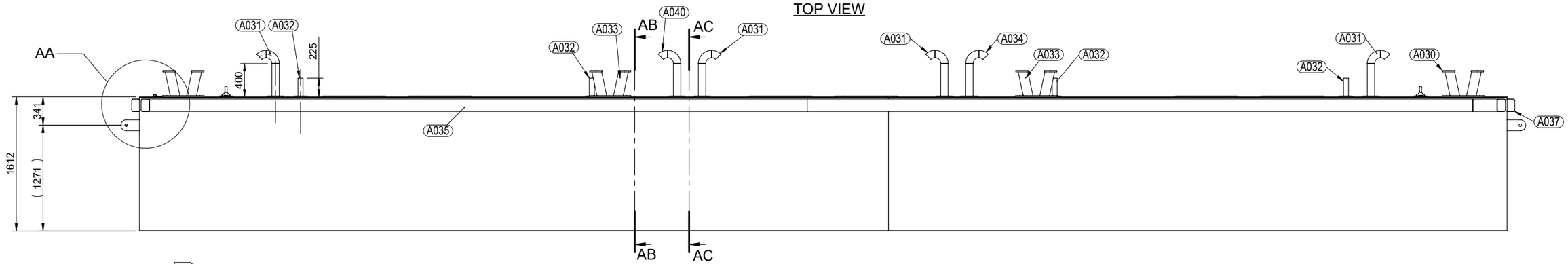
TITLE: STOKES HILL WHARF PONTOON STRUCTURE
DECK SHELL ARRANGEMENT

SCALE: NTS | DRAWING NUMBER: 22567-GA002 | REV. A | SHT. 5/8

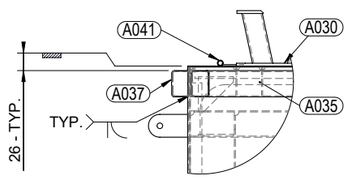
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TOP VIEW




FRONT VIEW




DETAIL AA

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MMC | REFERENCE DRAWING | | REVISION HISTORY | | | | | | SIGNED APPROVAL | | |
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| | | | | | | | | | APP | | |
| | P3 LAYOUT & CONNECTION | 15012-100-S-0021 | A | ISSUED FOR APPROVAL | 26APR2016 | | | | JOB NUMBER | 22567 | |
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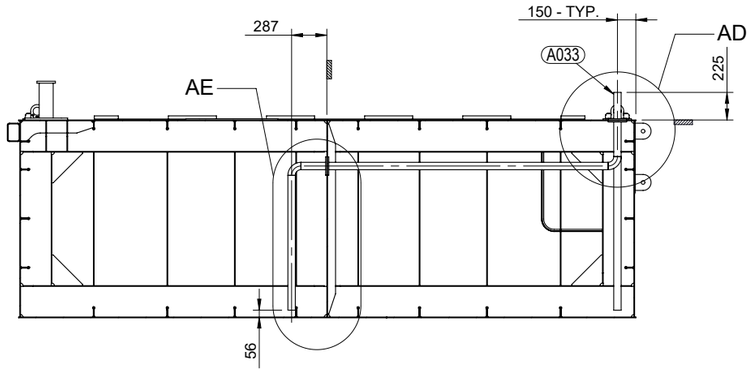
27 MENDIS ROAD, EAST ARM NT 0822, AU
www.mmc1.com.au

CLIENT: BIRDON

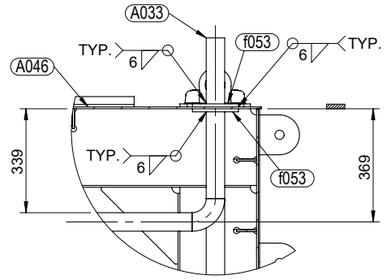
TITLE: STOKES HILL WHARF PONTOON STRUCTURE
PONTOON NO. 2 EQUIPMENT ARRANGEMENT

SCALE: NTS | DRAWING NUMBER: 22567-GA002 | REV. A | SHT. 6/8

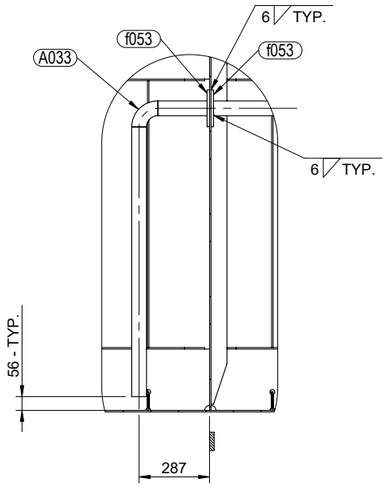
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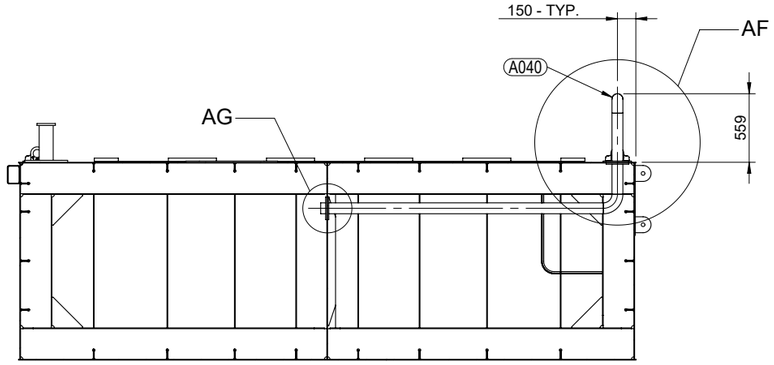

SECTION AB-AB
FWD. LOOKING AFT



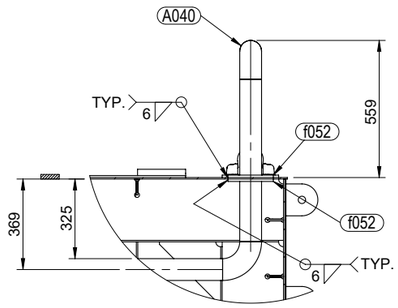

DETAIL AD



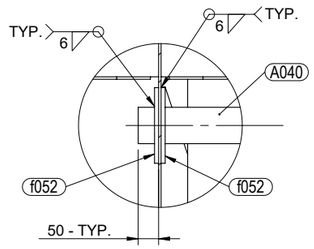

DETAIL AE




SECTION AC-AC
FWD. LOOKING AFT



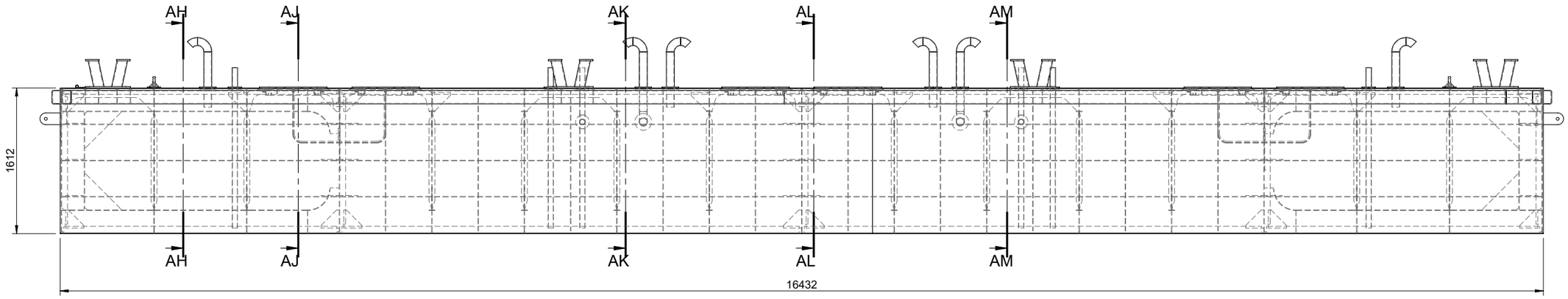

DETAIL AF




DETAIL AG

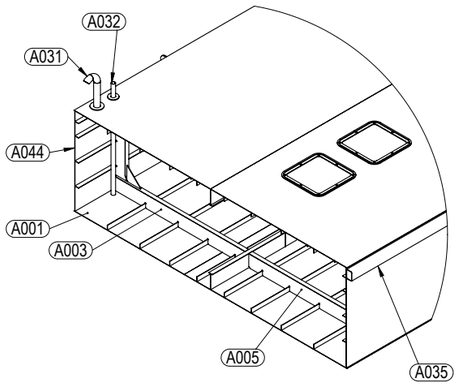
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| | | | | | | | | | DRN | BPD | 26APR2016 | |
| | | | | | | | | | CHK | | | TITLE: STOKES HILL WHARF PONTOON STRUCTURE |
| | | | | | | | | | APP | | | PONTOON NO. 2, PIPING ARRANGEMENT |
| 27 MENDIS ROAD, EAST ARM NT 0822, AU | P3 LAYOUT & CONNECTION | 15012-100-S-0021 | A | ISSUED FOR APPROVAL | 26APR2016 | | | | JOB NUMBER | | 22567 | |
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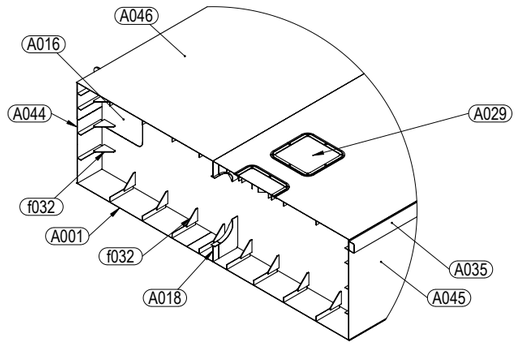



## FRONT VIEW

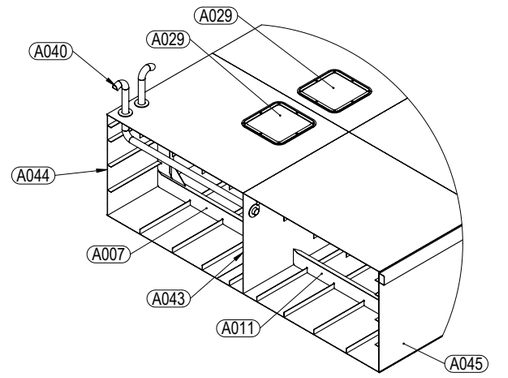
STBD. LOOKING PORT



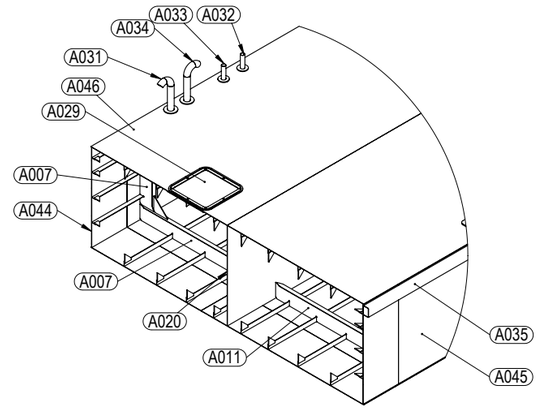

## SECTION AH-AH



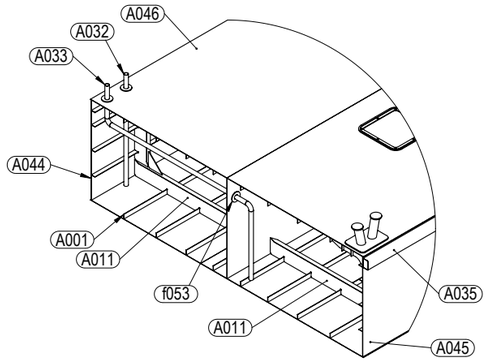

## SECTION AJ-AJ



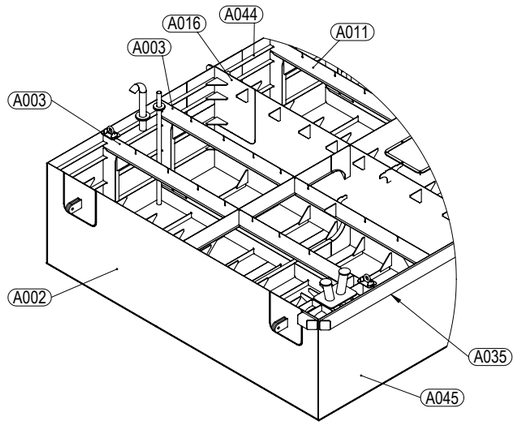

## SECTION AK-AK




## SECTION AL-AL

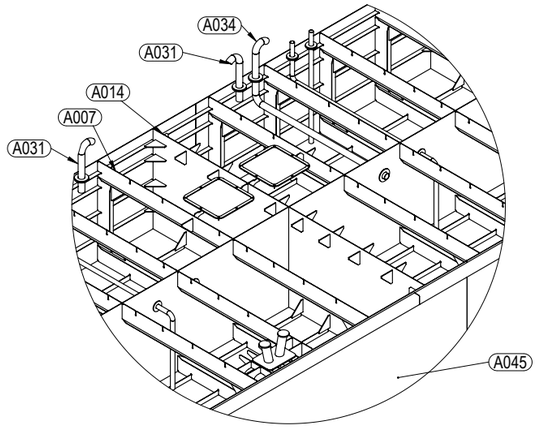



## SECTION AM-AM



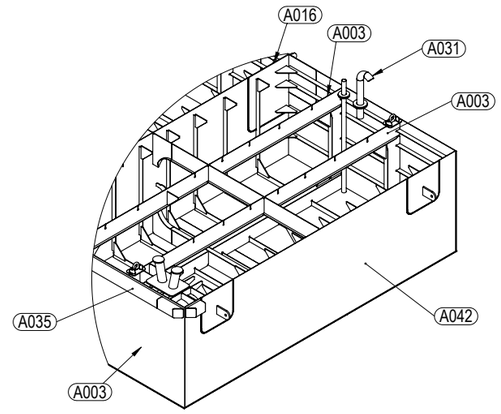

## ISOMETRIC VIEW

AFT SIDE, SHELL PLATE AND FRAMES, DECK SHELL REMOVED




## ISOMETRIC VIEW

SHELL PLATE AND FRAMES, DECK SHELL REMOVED




## ISOMETRIC VIEW

FWD SIDE, SHELL PLATE AND FRAMES, DECK SHELL REMOVED

MMC

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| REFERENCE DRAWING | | REVISION HISTORY | | | | | | SIGNED APPROVAL | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | DRN | BPD | 26APR2016 |
| | | | | | | | | CHK | | |
| | | | | | | | | APP | | |
| P3 LAYOUT & CONNECTION | 15012-100-S-0021 | A | ISSUED FOR APPROVAL | 26APR2016 | | | | JOB NUMBER | | 22567 |
| TITLE | DRAWING # | REV. | DESCRIPTION | DATE | AUTHOR | CHECKER | DESIGN E. | PROJECTION: | | |

CLIENT: BIRDON

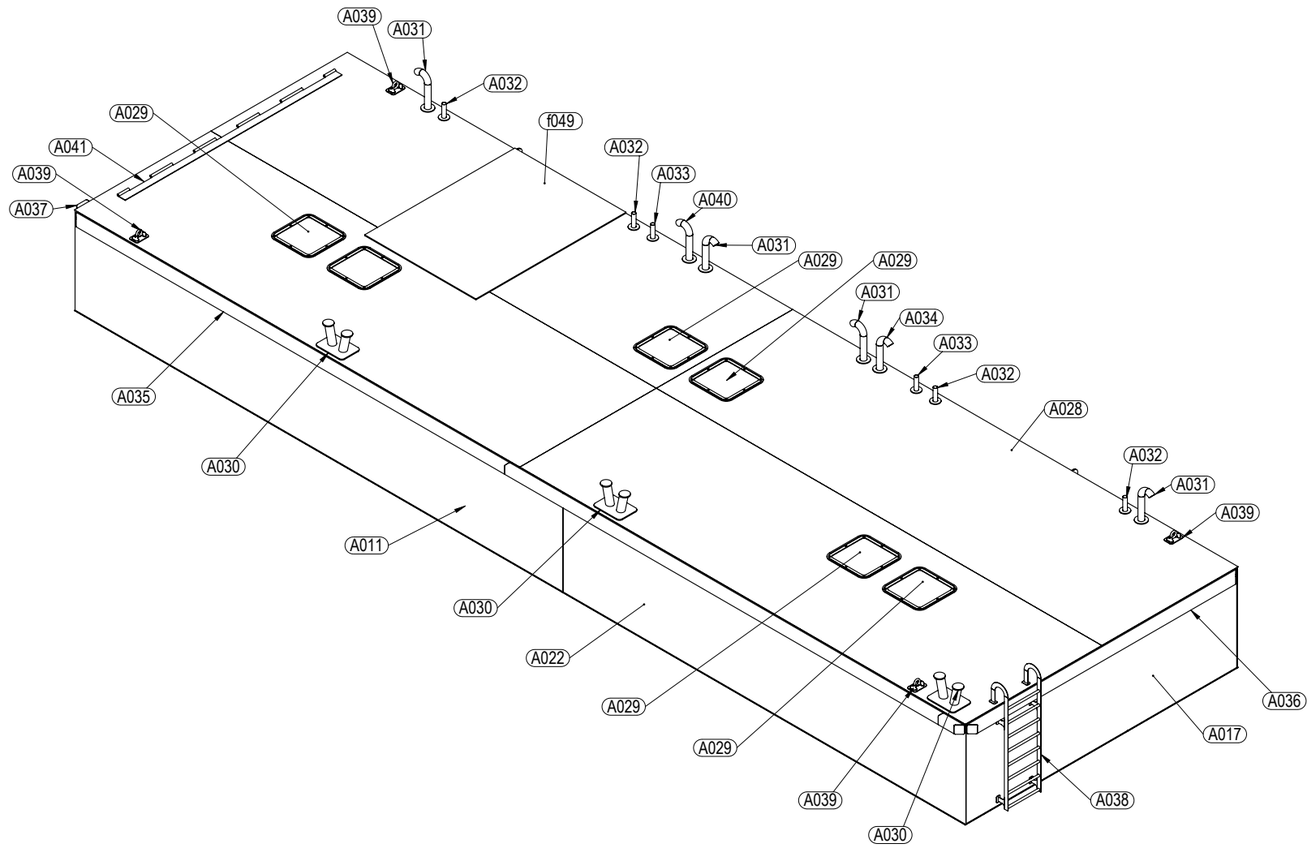
TITLE: STOKES HILL WHARF PONTOON STRUCTURE
PONTOON NO. 2 ARRANGEMENT DETAILS

SCALE: NTS | DRAWING NUMBER: 22567-GA002 | REV. A | SHT. 8/8

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## ASSEMBLY / PARTS LIST

| ITEM NO. | DRAWING NO. | DESCRIPTION | QTY. | QTY. REQ'D. | WEIGHT (kg.) / ASSY. | WEIGHT (kg.) SUB TOTAL | SURFACE AREA (m²) / ASSY. | SURFACE AREA (m²) SUB TOTAL |
|---|---|---|---|---|---|---|---|---|
| A001 | 22567-A001 | BOTTOM PLATE AND STRINGERS | 1 | 1 | 4351.8 | 4351.8 | 186.9 | 186.9 |
| A002 | 22567-A002 | AFT CLOSING PLATE | 1 | 1 | 462.1 | 462.1 | 18.6 | 18.6 |
| A003 | 22567-A003 | FR01, FR02, FR.14, FR.15 - STBD. / PORT SIDE | 2 | 2 | 93.0 | 186 | 4.1 | 8.2 |
| A004 | 22567-A004 | FR01, FR.02, FR.14, FR.15 - PORT SIDE | 4 | 4 | 93.0 | 372 | 4.1 | 16.4 |
| A005 | 22567-A005 | FR02, FR.14 - STBD. SIDE | 2 | 2 | 93.0 | 186 | 4.1 | 8.2 |
| A006 | 22567-A006 | BHD 03 | 1 | 1 | 434.9 | 434.9 | 17.9 | 17.9 |
| A007 | 22567-A007 | FR.04, FR.07, FR.09 FR.12 - STBD. / PORT SIDE | 2 | 2 | 92.9 | 185.8 | 4.1 | 8.2 |
| A008 | 22567-A008 | FR.04 - PORT SIDE | 1 | 1 | 93.1 | 93.1 | 4.1 | 4.1 |
| A009 | 22567-A009 | FR.05 - STBD. SIDE | 1 | 1 | 93.1 | 93.1 | 4.1 | 4.1 |
| A010 | 22567-A010 | FR.05 - PORT SIDE | 1 | 1 | 120.7 | 120.7 | 5.3 | 5.3 |
| A011 | 22567-A011 | FRAMES - PORT / STBD. SIDE | 5 | 5 | 92.8 | 464 | 4.1 | 20.5 |
| A012 | 22567-A012 | FR.06 PORT SIDE | 1 | 1 | 92.9 | 92.9 | 4.1 | 4.1 |
| A013 | 22567-A013 | FR.07, FR.09 STBD SIDE | 2 | 2 | 92.9 | 185.8 | 4.1 | 8.2 |
| A014 | 22567-A014 | BHD.08 | 1 | 1 | 411.0 | 411 | 17.7 | 17.7 |
| A015 | 22567-A015 | FR.010, FR.011, FR.012 PORT SIDE | 3 | 3 | 92.9 | 278.7 | 4.1 | 12.3 |
| A016 | 22567-A016 | BHD.013 | 1 | 1 | 431.2 | 431.2 | 17.7 | 17.7 |
| A017 | 22567-A017 | PONTOON 3 NON-JOINING CLOSING PLATE | 1 | 1 | 430.4 | 430.4 | 18.6 | 18.6 |
| A018 | 22567-A018 | LONGITUDINAL GIRDER | 2 | 2 | 150.3 | 300.6 | 5.3 | 10.6 |
| A019 | 22567-A019 | LONGITUDIANAL BULKHEAD FWD SIDE | 1 | 1 | 415.9 | 415.9 | 17.9 | 17.9 |
| A020 | 22567-A020 | LONGITUDIANAL BULKHEAD FWD SIDE | 1 | 1 | 417.8 | 417.8 | 18.0 | 18 |
| A021 | 22567-A021 | PORT SIDE CLOSING PLATE STRINGERS | 1 | 1 | 1436.7 | 1436.7 | 59.9 | 59.9 |
| A022 | 22567-A022 | STBD. SIDE CLOSING PLATE STRINGERS | 1 | 1 | 1436.0 | 1436 | 62.0 | 62 |
| A023 | 22567-A023 | FR. 3.5 | 1 | 1 | 38.7 | 38.7 | 1.7 | 1.7 |
| A024 | 22567-A024 | FR. 4.5 | 1 | 1 | 38.8 | 38.8 | 1.7 | 1.7 |
| A025 | 22567-A025 | GANGWAY STIFFENER BETWEEN FRAME AND BHD | 2 | 2 | 7.7 | 15.4 | 0.3 | 0.6 |
| A026 | 22567-A026 | GANGWAY STIFFENER BETWEEN FRAME BHD AND FRAME 3.5, 4.5 | 16 | 16 | 6.2 | 99.2 | 0.3 | 4.8 |
| A027 | 22567-A027 | GANGWAY STIFFENER BETWEEN FRAME BHD AND FRAME 3.5, 4.5 | 14 | 14 | 7.8 | 109.2 | 0.3 | 4.2 |
| A028 | 22567-A028 | PONTOON NO. 3 DECK PLATE AND STRINGERS | 1 | 1 | 4349.5 | 4349.5 | 183.7 | 183.7 |
| A029 | 22567-A029 | MANHOLE / COMPARTMENT COVER | 6 | 6 | 37.4 | 224.4 | 1.6 | 9.6 |
| A030 | 22567-A030 | BOLLARD | 3 | 3 | 38.4 | 115.2 | 0.9 | 2.7 |
| A031 | 22567-A031 | ABOVE DECK VENT | 4 | 4 | 10.0 | 40 | 0.5 | 2 |
| A032 | 22567-A032 | SUCTION - DIRECT ENTRANCE TO COMPARTMENT | 4 | 4 | 9.9 | 39.6 | 0.6 | 2.4 |
| A033 | 22567-A033 | SUCTION LINE | 2 | 2 | 24.3 | 48.6 | 1.6 | 3.2 |
| A034 | 22567-A034 | AIR VENT TO VENTING COMPARTMENT | 1 | 1 | 38.6 | 38.6 | 1.8 | 1.8 |
| A035 | 22567-A035 | STBD. SIDE FENDER | 1 | 1 | 351.2 | 351.2 | 14.9 | 14.9 |
| A036 | 22567-A036 | SHORT FENDER | 1 | 1 | 106.1 | 106.1 | 4.5 | 4.5 |
| A037 | 22567-A037 | PONTOON END FENDER | 1 | 1 | 6.1 | 6.1 | 0.3 | 0.3 |
| A038 | 22567-A038 | LADDER | 1 | 1 | 29.5 | 29.5 | 1.8 | 1.8 |
| A039 | 22567-A039 | LIFTING LUG | 4 | 4 | 0.7 | 2.8 | 0.1 | 0.4 |
| A040 | 22567-A040 | AIR VENT TO VENTING COMPARTMENT AFT SIDE | 1 | 1 | 38.6 | 38.6 | 1.8 | 1.8 |
| A041 | 22567-A041 | CROSSING ASSEMBLY HINGE | 1 | 1 | 4.5 | 4.5 | 1.4 | 1.4 |
| f032 | 22567-f032 | STRINGER CONNECTION BRACKET | 186 | 186 | 2.0 | 372 | 0.1 | 18.6 |
| f039 | 22567-f039 | HATCH TO FRAME BRACKET | 6 | 6 | 1.4 | 8.4 | 0.1 | 0.6 |
| f040 | 22567-f040 | HATCH TO BHD BRACKET | 6 | 6 | 1.4 | 8.4 | 0.1 | 0.6 |
| f042 | 22567-f042 | BOLLARD TRANSVERSE BRACKET | 12 | 12 | 2.9 | 34.8 | 0.1 | 1.2 |
| f043 | 22567-f043 | BOLLARD BRACKET CONNECTION | 10 | 10 | 1.9 | 19 | 0.1 | 1 |
| f044 | 22567-f044 | BOLLARD REINFORCEMENT TO TRANSVERSE | 12 | 12 | 0.6 | 7.2 | 0.0 | 0 |
| f045 | 22567-f045 | BOLLARD REINFORCEMENT - MID TO TRANSVERSE | 6 | 6 | 0.9 | 5.4 | 0.0 | 0 |
| f048 | 22567-f048 | BOLLARD REINFORCEMENT TO FWD/AFT PLATE | 2 | 2 | 2.2 | 4.4 | 0.1 | 0.2 |
| f049 | 22567-f049 | GANGWAY DOUBLER PLATE | 1 | 1 | 713.0 | 713 | 11.5 | 11.5 |
| f052 | 22567-f052 | FLANGE, 3" SLIP ON | 16 | 16 | 1.6 | 25.6 | 0.0 | 0 |
| f053 | 22567-f053 | FLANGE, 2"SLIP ON | 16 | 16 | 1.2 | 19.2 | 0.0 | 0 |
| f064 | 22567-f064 | SIDE STIFFENER | 1 | 1 | 1.1 | 1.1 | 0.1 | 0.1 |
| | | | | | | | **NO. OF REQ'D. G.A** | 1 |
| | | | | WEIGHT (kg.) / G.A. | 19700.7 | SURFACE AREA (m²) / G.A. | | 815.6 |
| | | | | TOTAL WEIGHT (kg.) | 19700.7 | TOTAL SURFACE AREA (m²) | | 815.6 |




ISOMETRIC VIEW

**GENERAL NOTES:**
1. THE MANUFACTURING AND FABRICATION OF ALL COMPONENTS SHALL COMPLY WITH AS4100 STD.
2. DESIGN DRAWINGS SHALL NOT BE SCALED.
3. ALL DIMENSIONS ARE EXPRESSED IN MILLIMETERS UNO.

**FABRICATION NOTES:**
1. THE CUT LIST IS FOR REFERENCE ONLY. FOR FINISHED DIMENSIONAL DATA CONSULT THE RELEVANT DETAIL DRAWINGS.
2. ALL WELDS AND WELDING PROCEDURES SHALL BE ACCORDANCE WITH AND COMPLY TO AS1554.1.
3. WELDS SHALL BE 6MM FILLET UNO.
4. WELDS SHALL BE CONTINUOUS UNO.
5. ALL CUT EDGES SHALL BE ROUNDED OFF, R3 mm. MINIMUM.
6. REMOVE ALL BURRS AND WELD SPATTER.

**SURFACE PROTECTION NOTES:**
1. SAND BLAST, CLASS 2-1/2
1. PROTECTIVE COATING:
   - "INTERNAL", 2 COATS INTERSHIELD 300, TOTAL DFT 350 MICRONS
   - "EXTERNAL", 2 COATS INTERZONE 954, TOTAL DFT 800 MICRONS.

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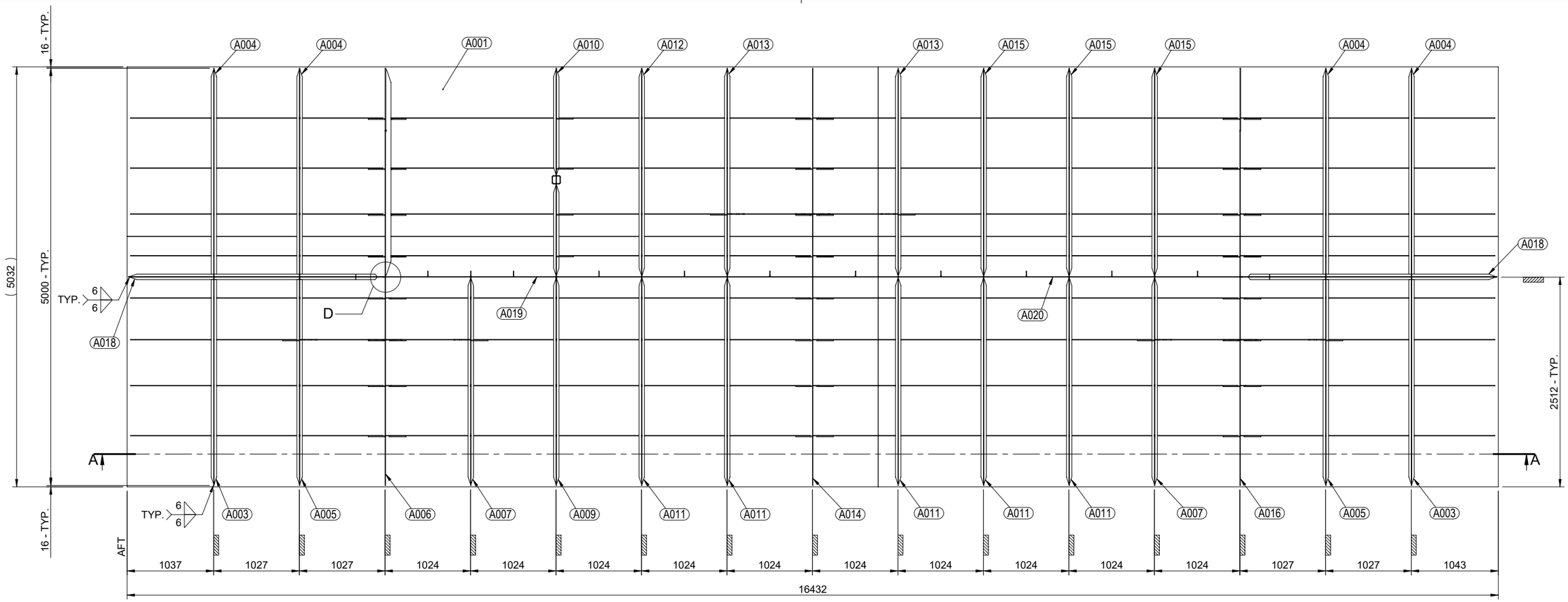
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| | | | | | | | | APP | | |
| P3 LAYOUT & CONNECTION | 15012-100-S-0021 | A | ISSUED FOR APPROVAL | 21APR2016 | | | | JOB NUMBER | 22567 | |
| TITLE | DRAWING # | REV. | DESCRIPTION | DATE | AUTHOR | CHECKER | DESIGN E. | PROJECTION: | | |

CLIENT: BIRDON

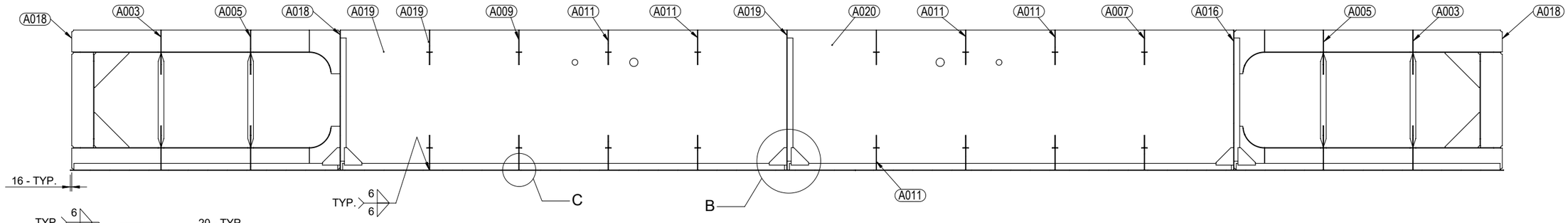
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PONTOON NO. 3 LAYOUT AND CONNECTION

SCALE: NTS | DRAWING NUMBER: 22567-GA003 | REV. A | SHT. 1/8

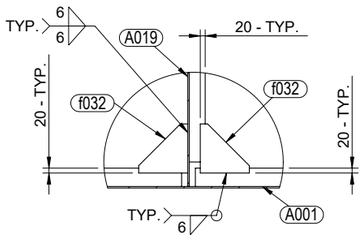
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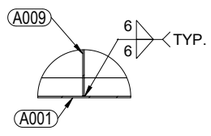

TOP VIEW



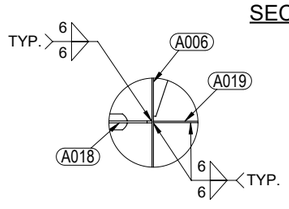

SECTION A-A




DETAIL B




DETAIL C




DETAIL D

NOTE:

1. DECK AND SIDE PLATES ARE REMOVED FOR CLARITY.

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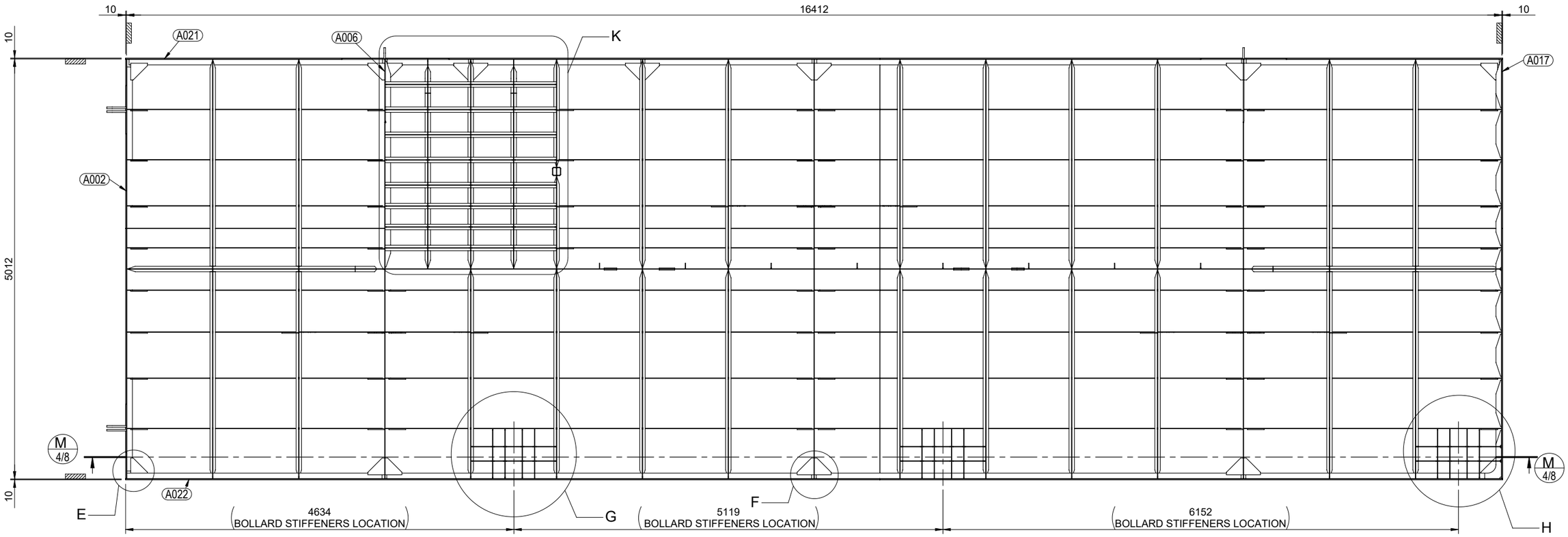
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CLIENT: BIRDON

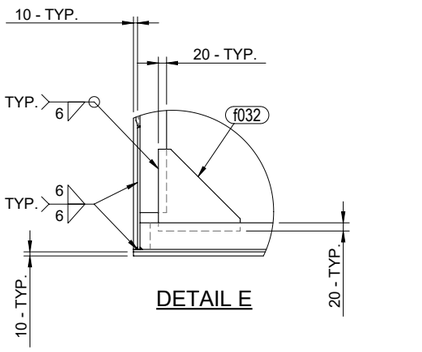
TITLE: STOKES HILL WHARF PONTOON STRUCTURE
(BOTTOM SHELL, TRANSVERSE FRAME, BULKHEAD AND GIRDER ARRANGEMENT)
PONTOON NO. 3

SCALE: NTS | DRAWING NUMBER: 22567-GA003 | REV. A | SHT. 2/8

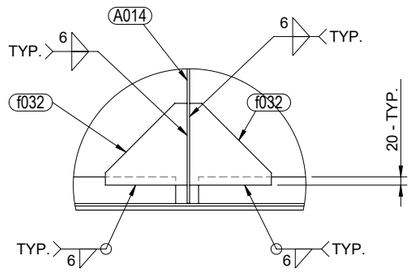
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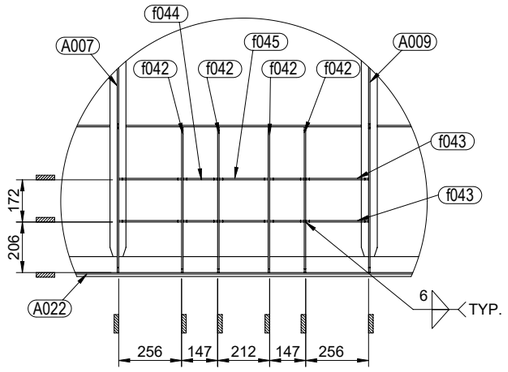

TOP VIEW



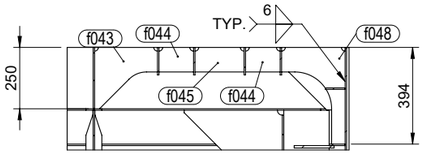

DETAIL E



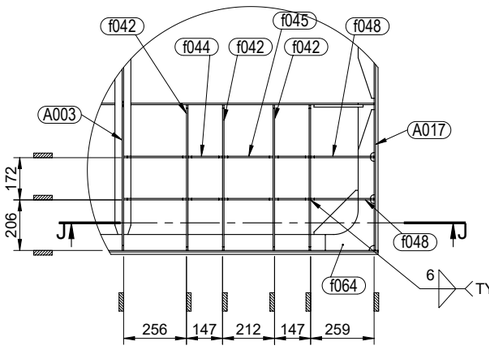

DETAIL F



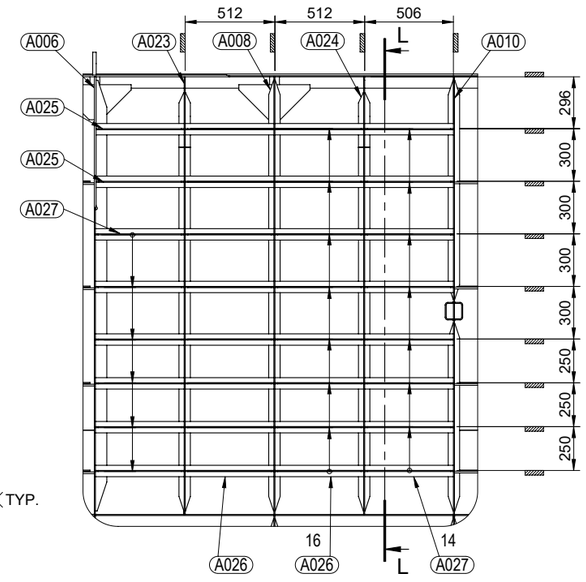

DETAIL G
BOLLARD STIFFENERS ARRANGEMENT - TYP.



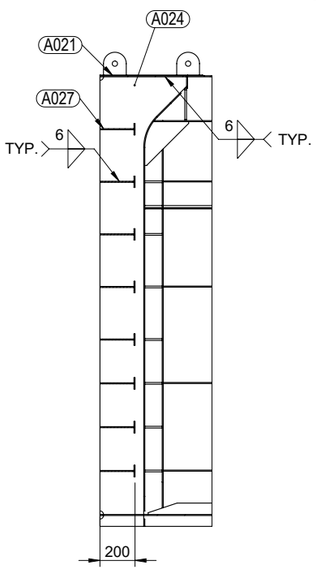

SECTION J-J




DETAIL H
BOLLARD STIFFENER TO SIDE PLATE CONNECTIONS



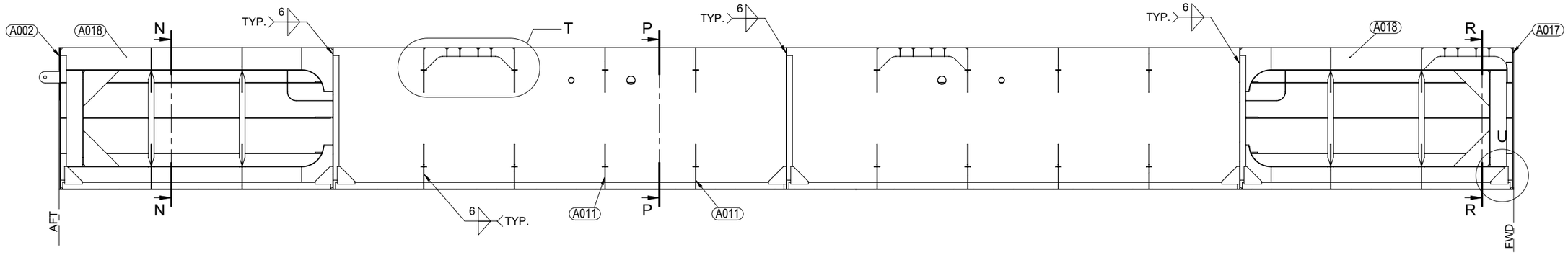

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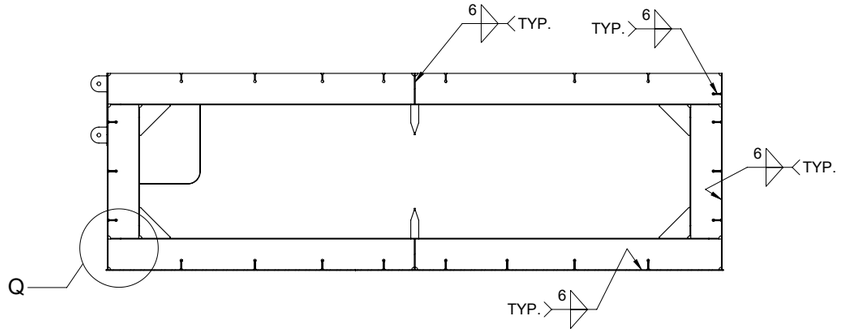

SECTION L-L

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| | | | | | | | | | APP | | | |
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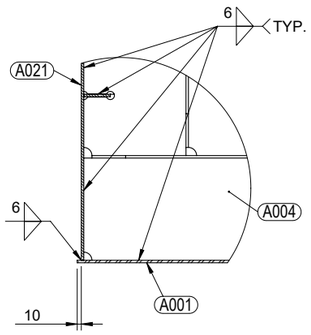
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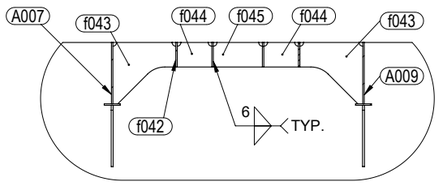

## SECTION M
(SHEET 3 OF 8)



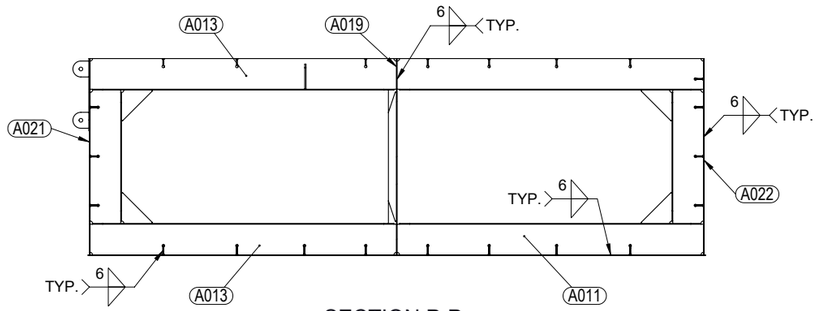

## SECTION N-N
(AFT LOOKING FWD)



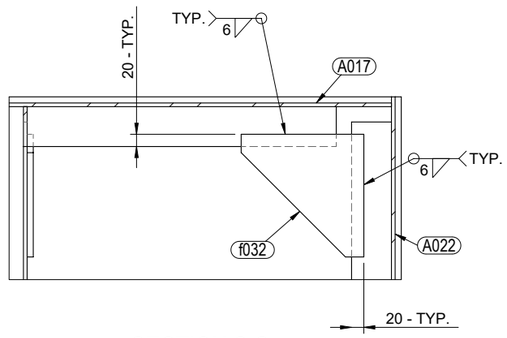

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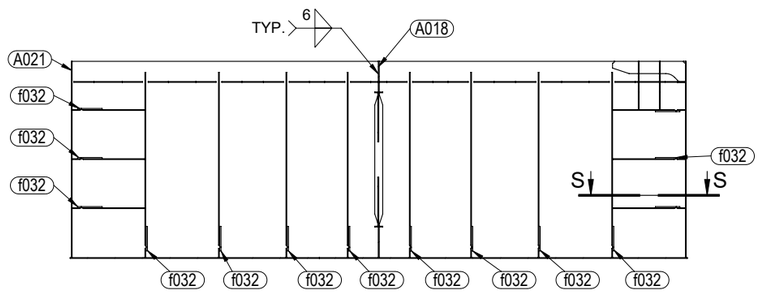

## DETAIL T



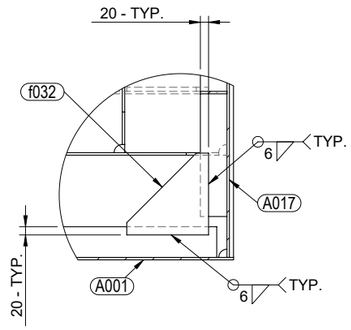

## SECTION P-P
(AFT LOOKING FWD)




## SECTION S-S



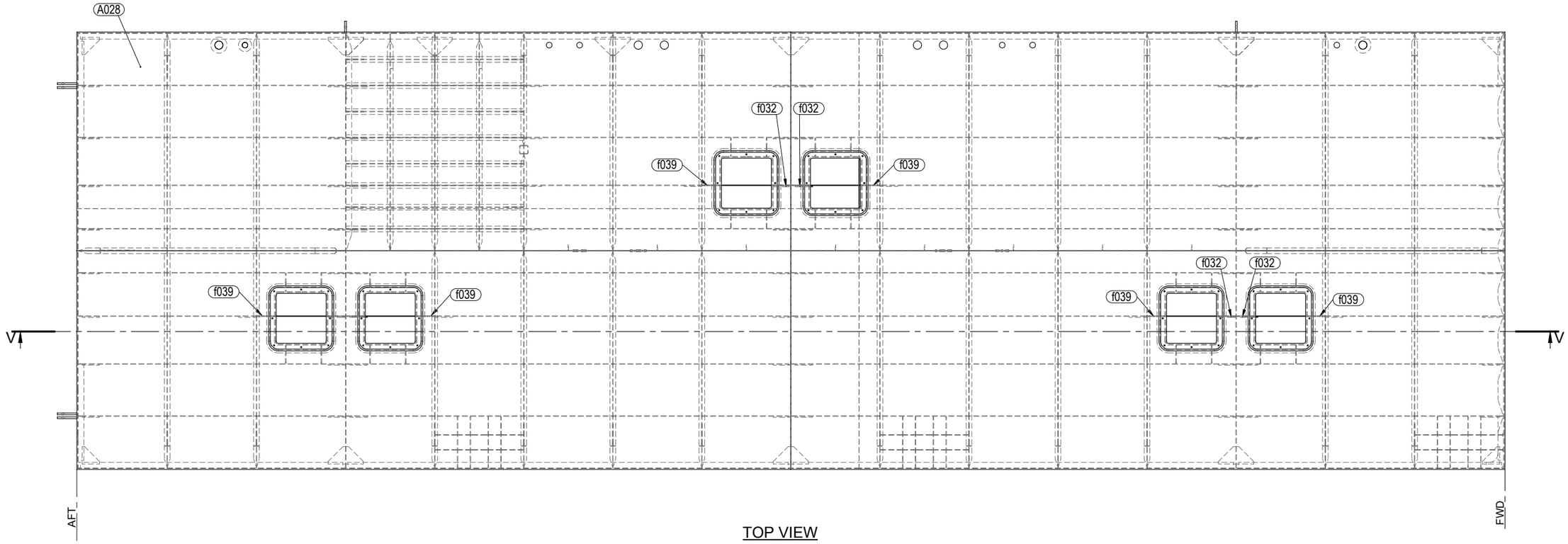

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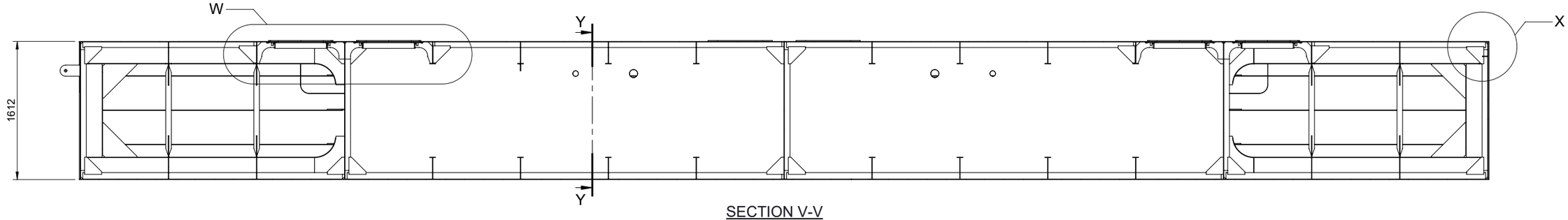

## DETAIL U

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| | | | | | | | | | | APP | | | |
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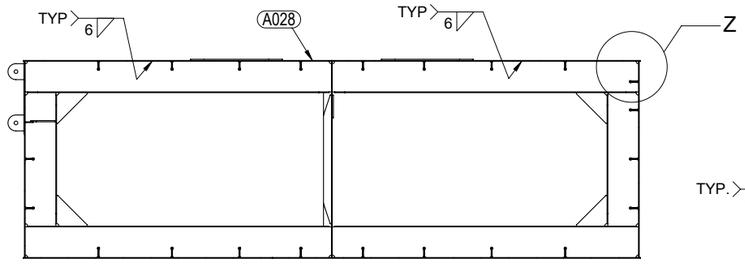
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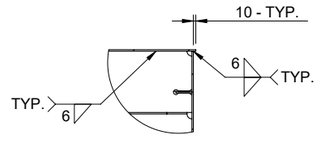

TOP VIEW



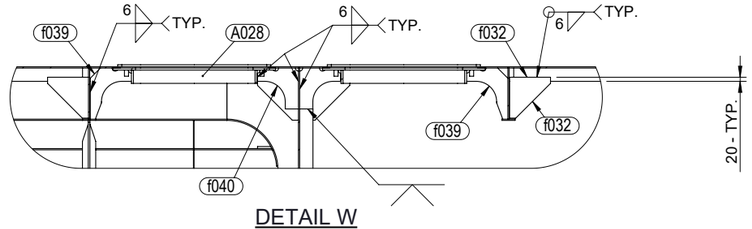

SECTION V-V



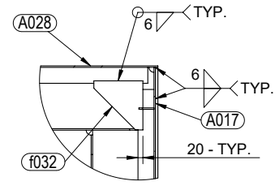

SECTION Y-Y




DETAIL Z




DETAIL W




DETAIL X

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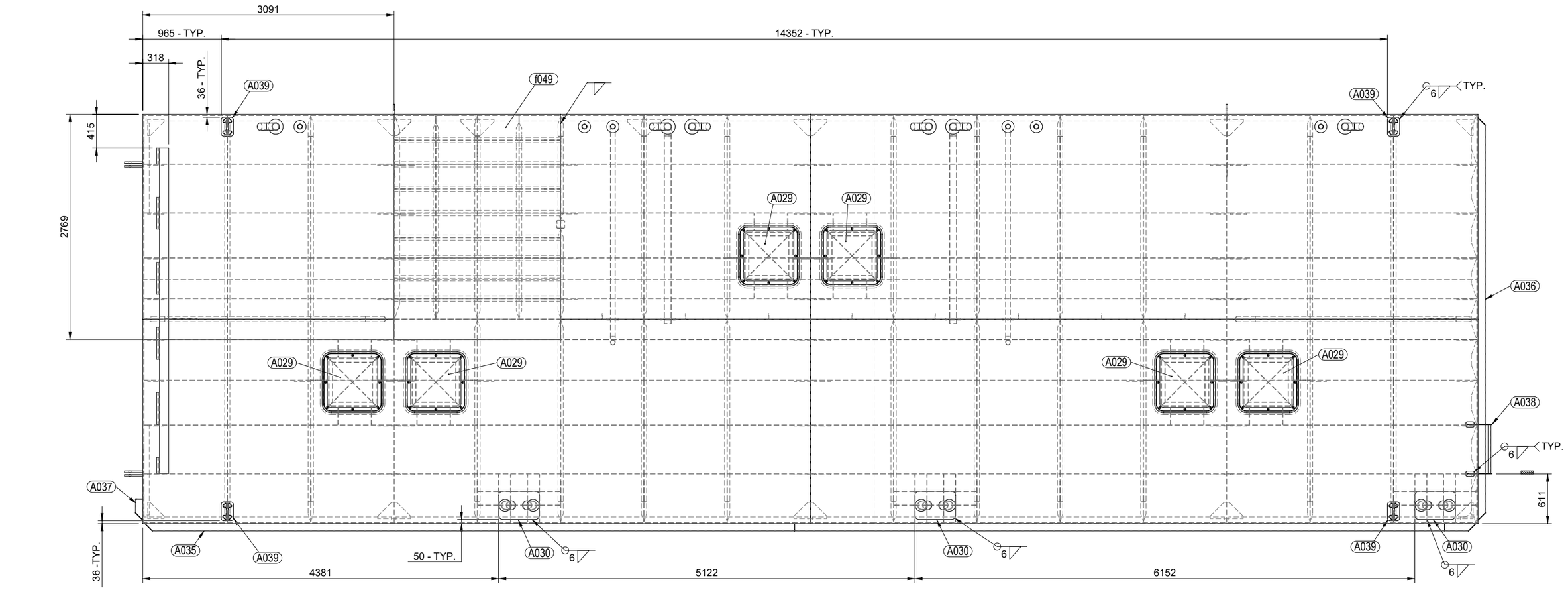
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| TITLE | DRAWING # | REV. | DESCRIPTION | DATE | AUTHOR | CHECKER | DESIGN E. | PROJECTION: | | |

CLIENT: BIRDON

TITLE: STOKES HILL WHARF PONTOON STRUCTURE
DECK SHELL ARRANGEMENT

SCALE: NTS | DRAWING NUMBER: 22567-GA003 | REV. A | SHT. 5/8

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TOP VIEW

FRONT VIEW

DETAIL AA

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| REFERENCE DRAWING | | | REVISION HISTORY | | | | | | SIGNED APPROVAL | | |
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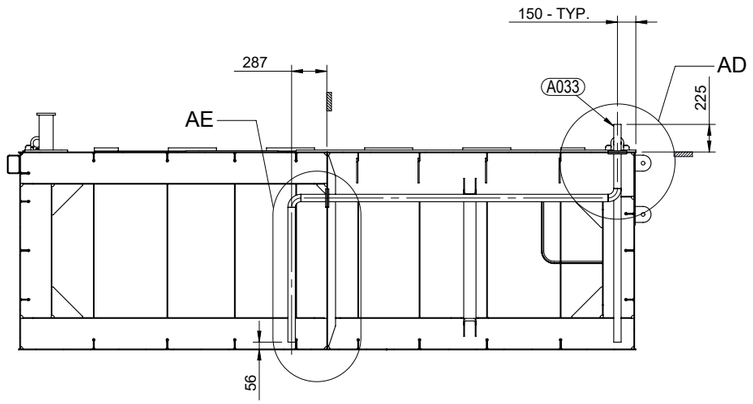
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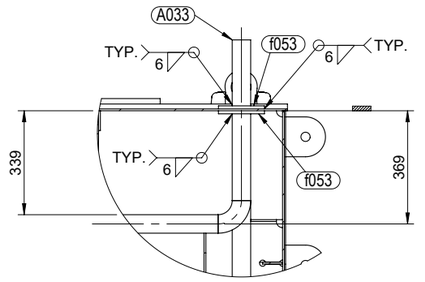
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PONTOON NO. 3 EQUIPMENT ARRANGEMENT

SCALE: NTS | DRAWING NUMBER: 22567-GA003 | REV. A | SHT. 6/8

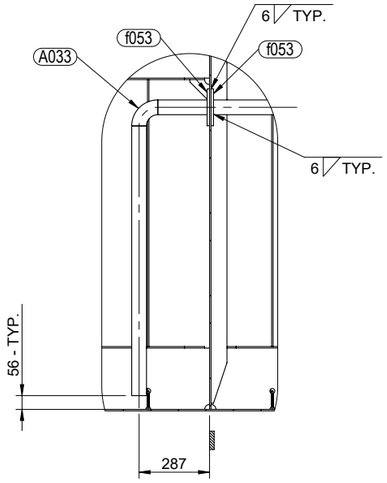
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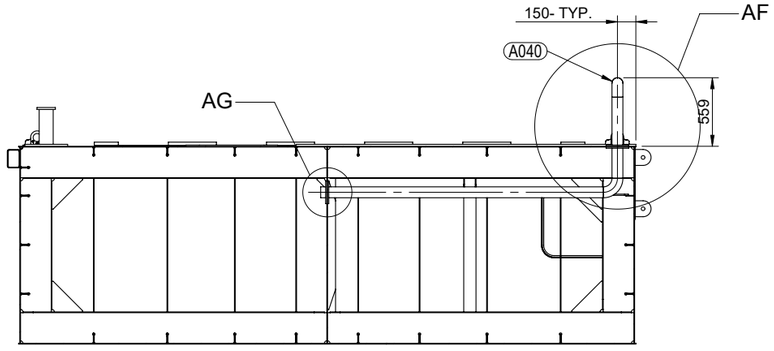

SECTION AB-AB
FWD. LOOKING AFT



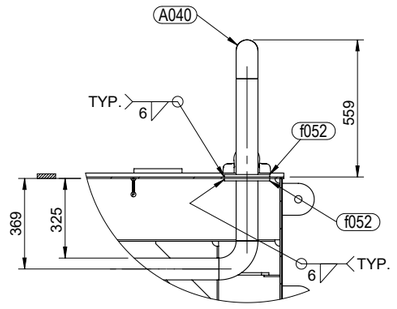

DETAIL AD



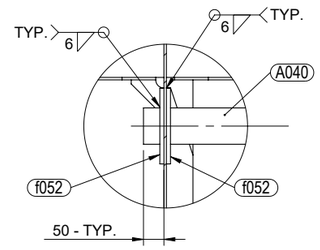

DETAIL AE




SECTION AC-AC
FWD. LOOKING AFT




DETAIL AF




DETAIL AG

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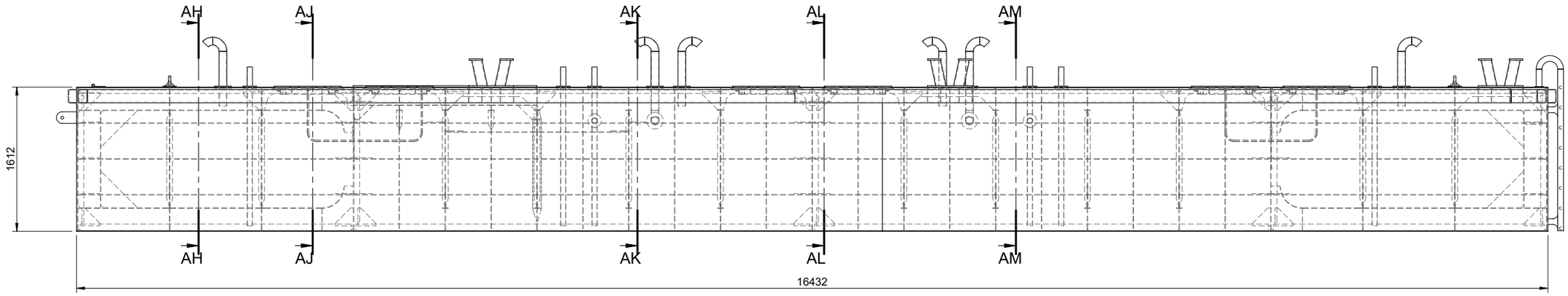
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| TITLE | DRAWING # | REV. | DESCRIPTION | DATE | AUTHOR | CHECKER | DESIGN E. | PROJECTION: | | |

CLIENT: BIRDON

TITLE: STOKES HILL WHARF PONTOON STRUCTURE
PONTOON NO. 3, PIPING ARRANGEMENT

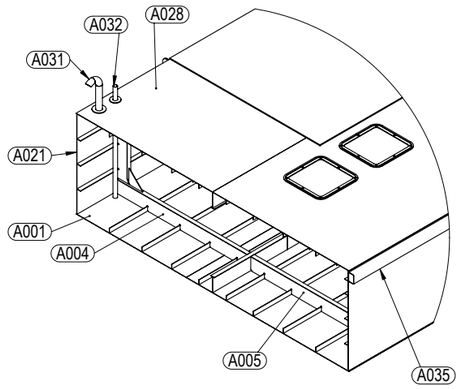
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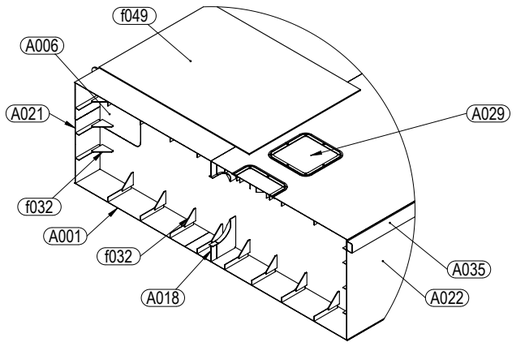



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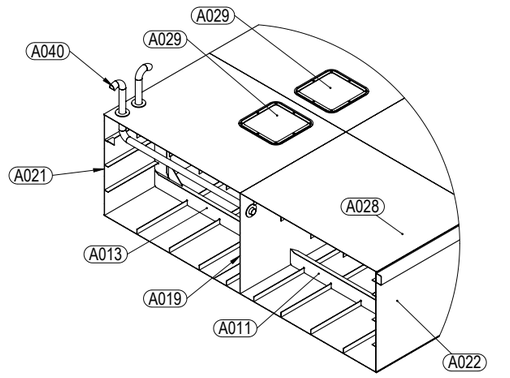
STBD. LOOKING PORT



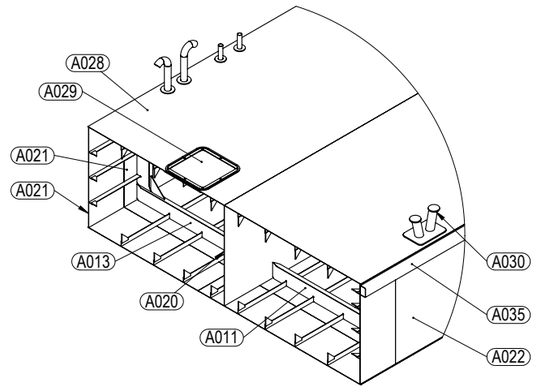

## SECTION AH-AH



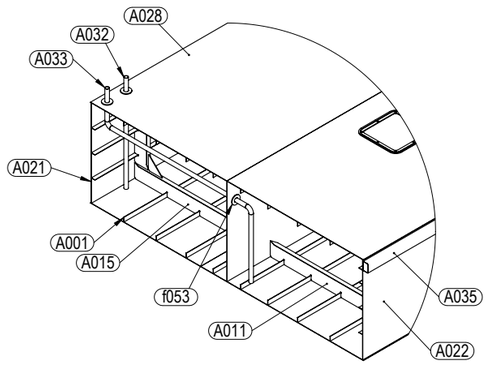

## SECTION AJ-AJ



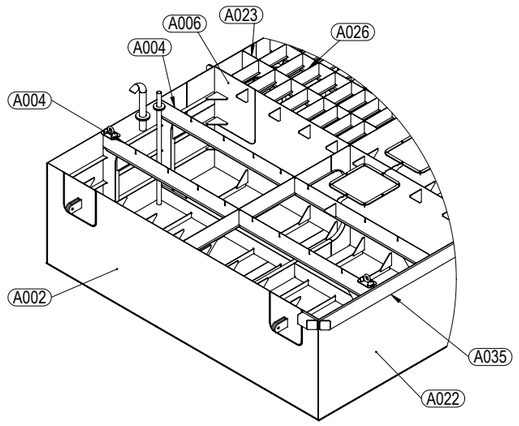

## SECTION AK-AK




## SECTION AL-AL

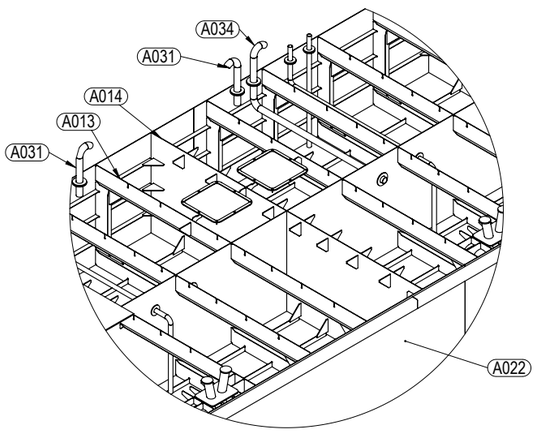



## SECTION AM-AM



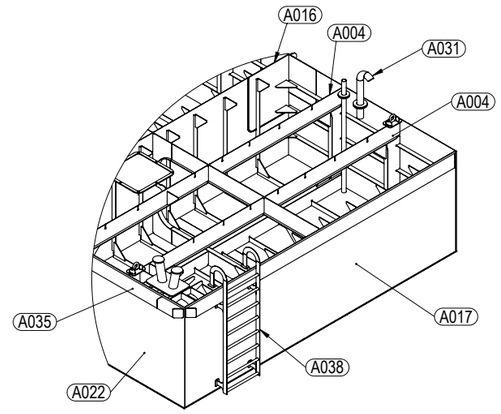

## ISOMETRIC VIEW

AFT SIDE, SHELL PLATE AND FRAMES, DECK SHELL REMOVED




## ISOMETRIC VIEW

SHELL PLATE AND FRAMES, DECK SHELL REMOVED




## ISOMETRIC VIEW

FWD SIDE, SHELL PLATE AND FRAMES, DECK SHELL REMOVED

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| REFERENCE DRAWING | | REVISION HISTORY | | | | | | SIGNED APPROVAL | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | DRN | BPD | 21APR2016 |
| | | | | | | | | CHK | | |
| | | | | | | | | APP | | |
| P3 LAYOUT & CONNECTION | 15012-100-S-0021 | A | ISSUED FOR APPROVAL | 21APR2016 | | | | JOB NUMBER | | 22567 |
| TITLE | DRAWING # | REV. | DESCRIPTION | DATE | AUTHOR | CHECKER | DESIGN E. | PROJECTION: | | |

CLIENT: BIRDON

TITLE: STOKES HILL WHARF PONTOON STRUCTURE
PONTOON NO. 3 ARRANGEMENT DETAILS

SCALE: NTS | DRAWING NUMBER: 22567-GA003 | REV. A | SHT. 8/8