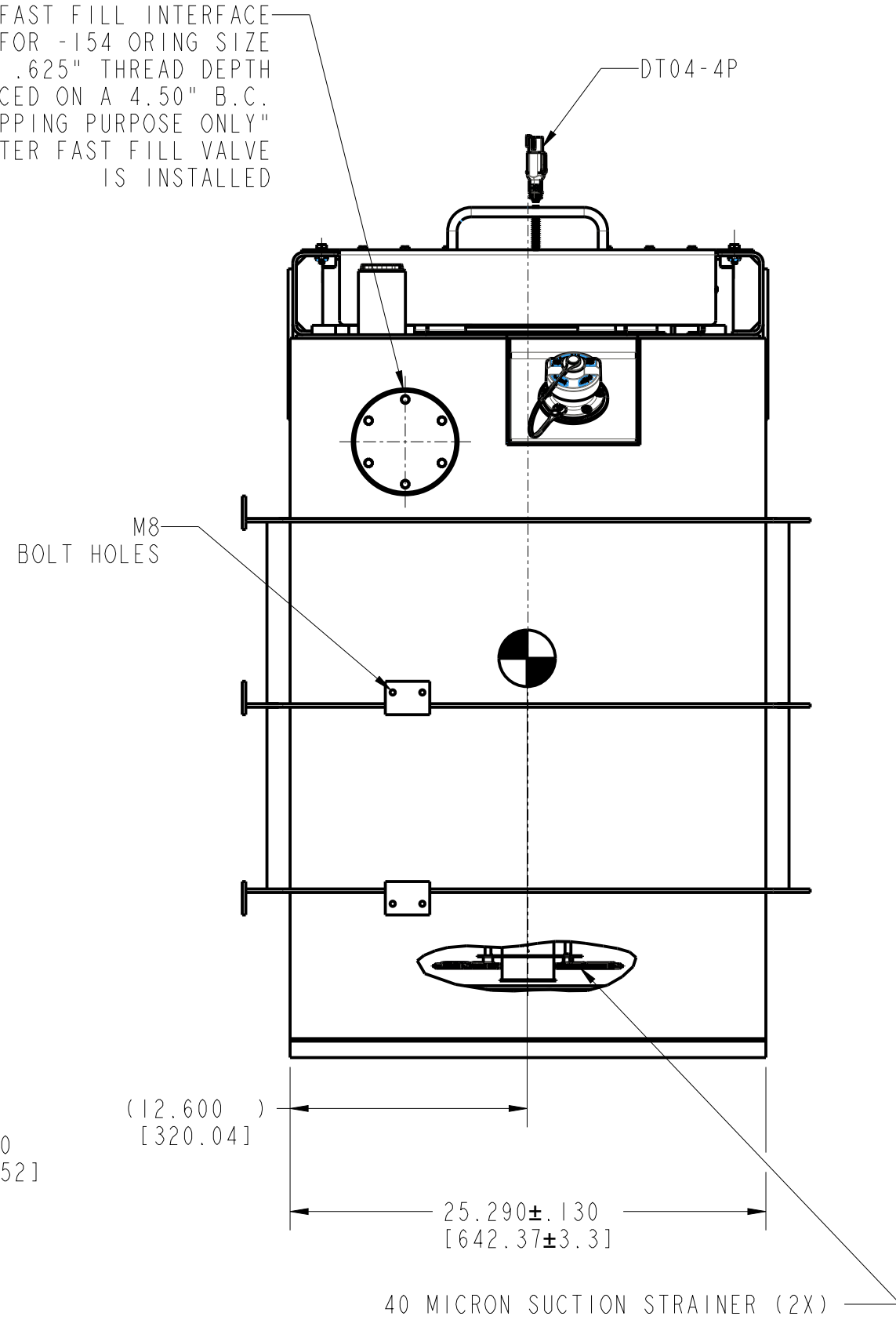
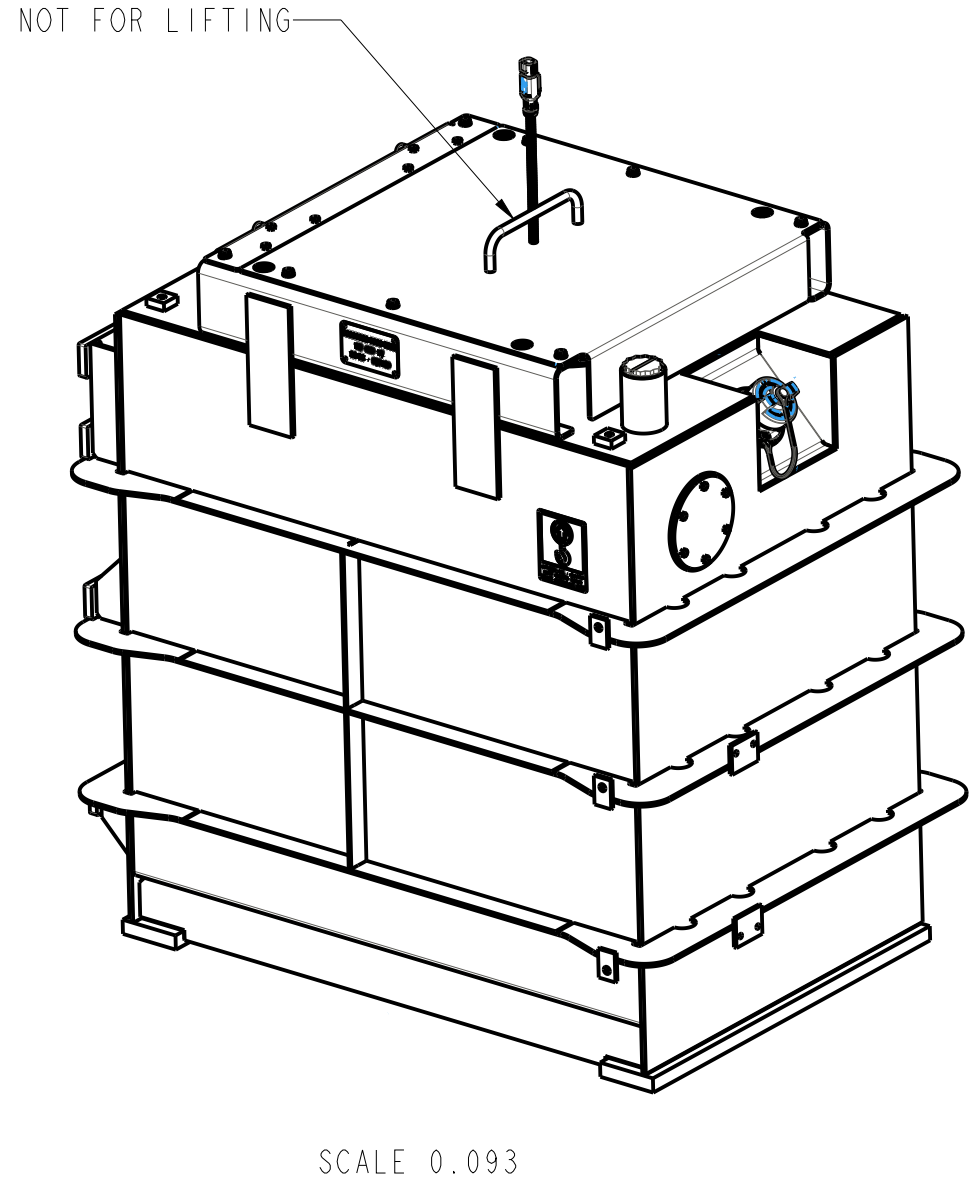
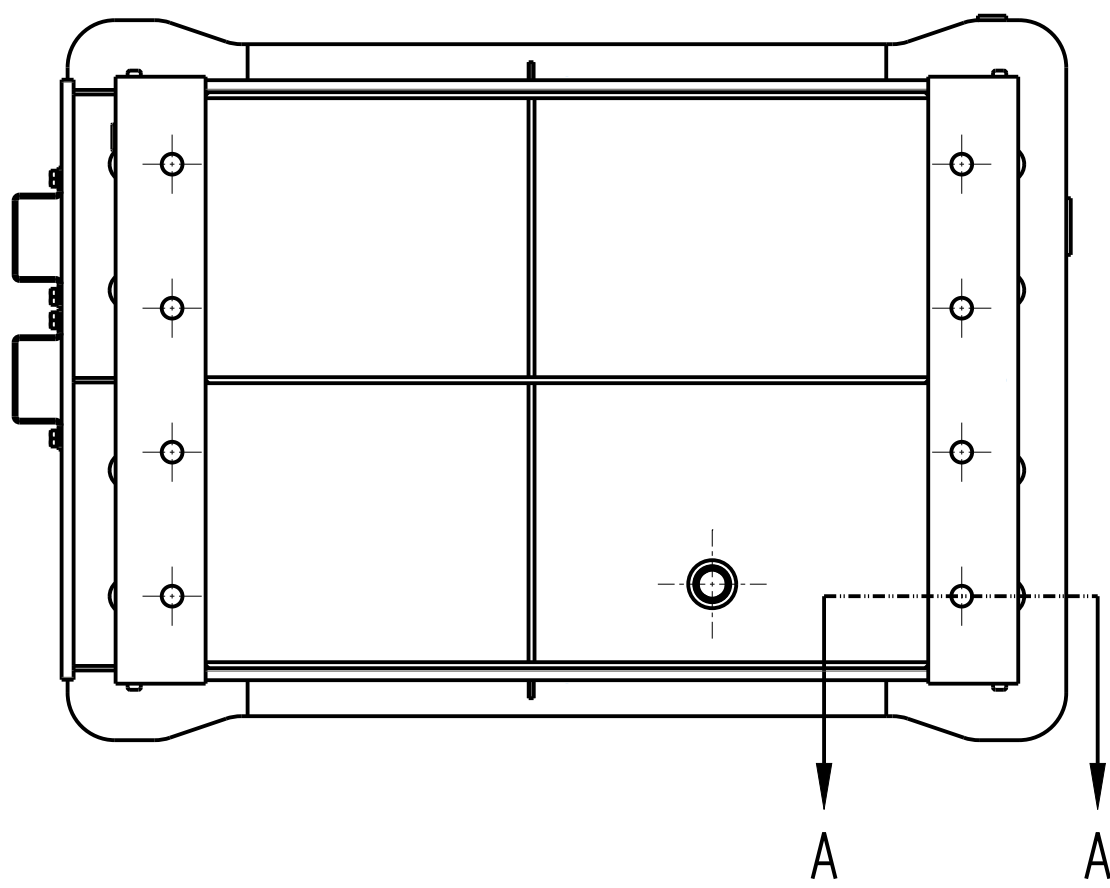
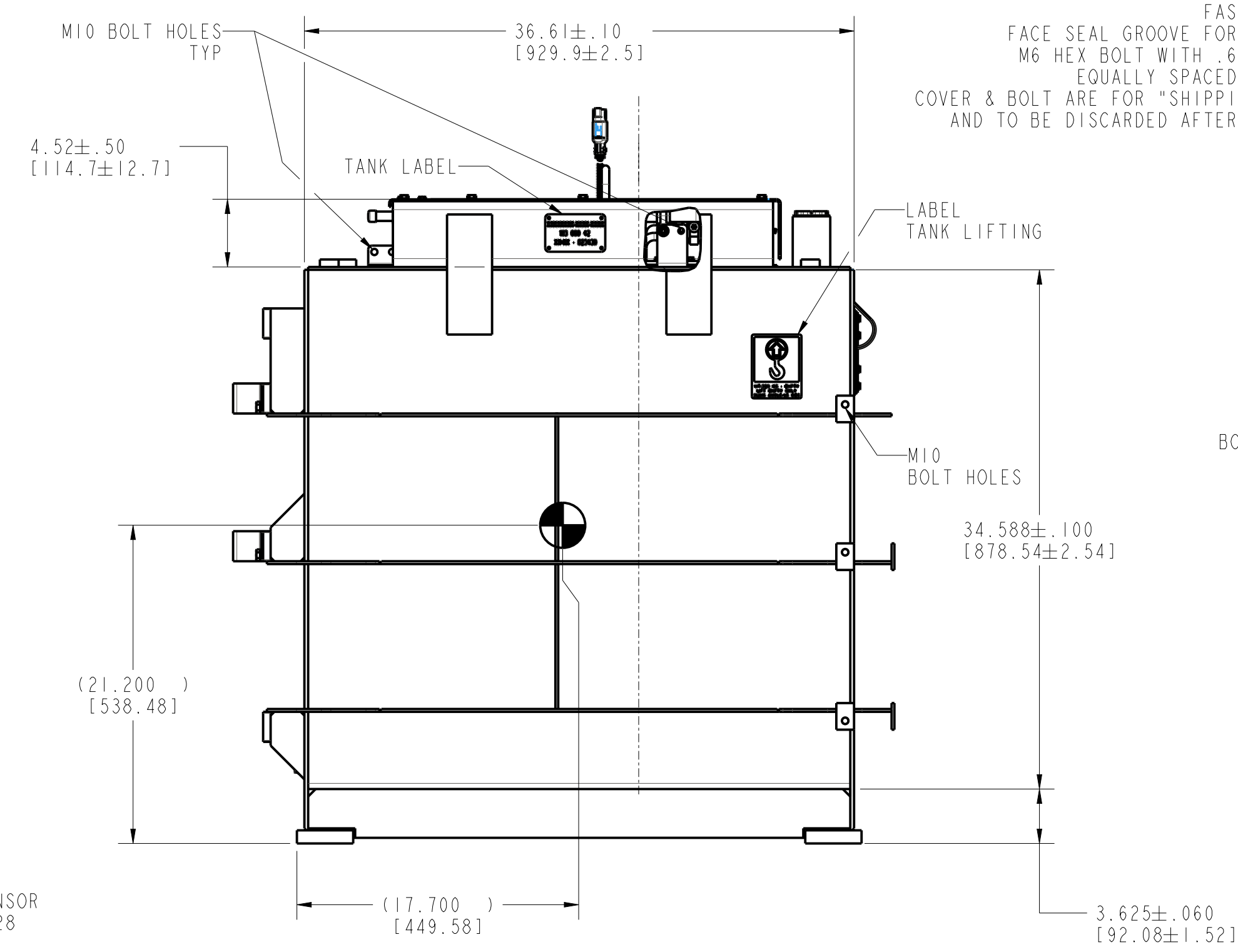
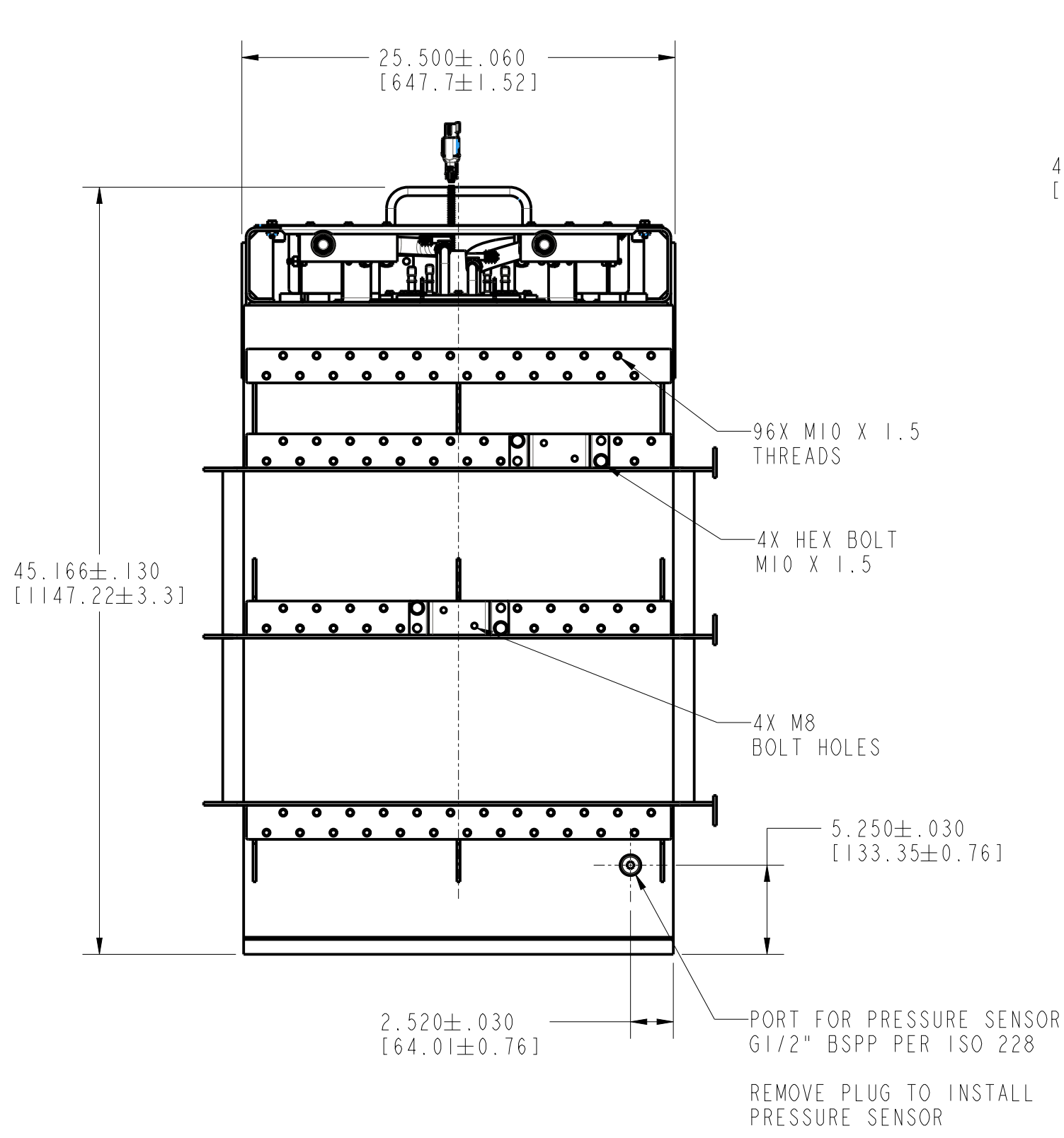
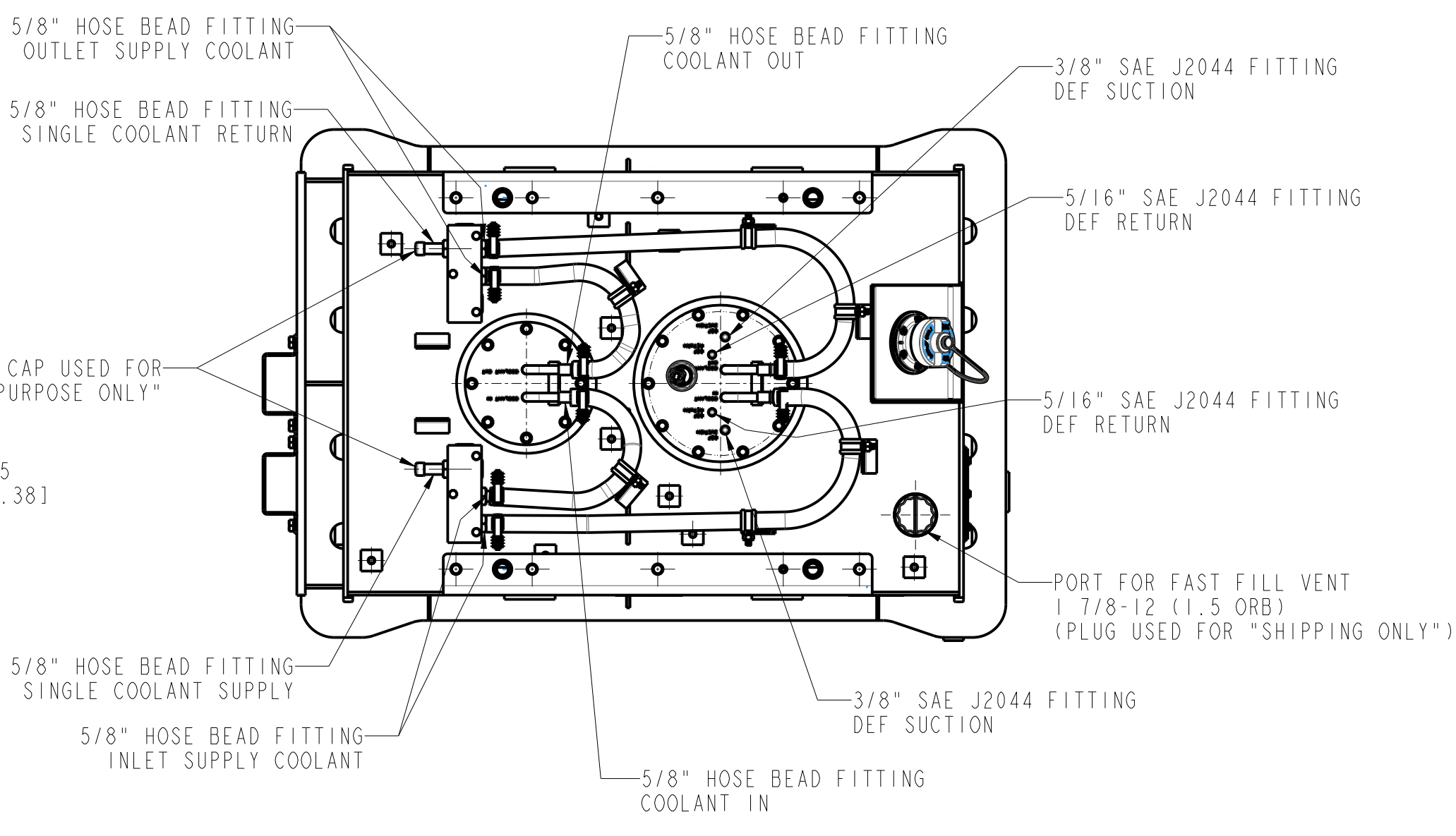
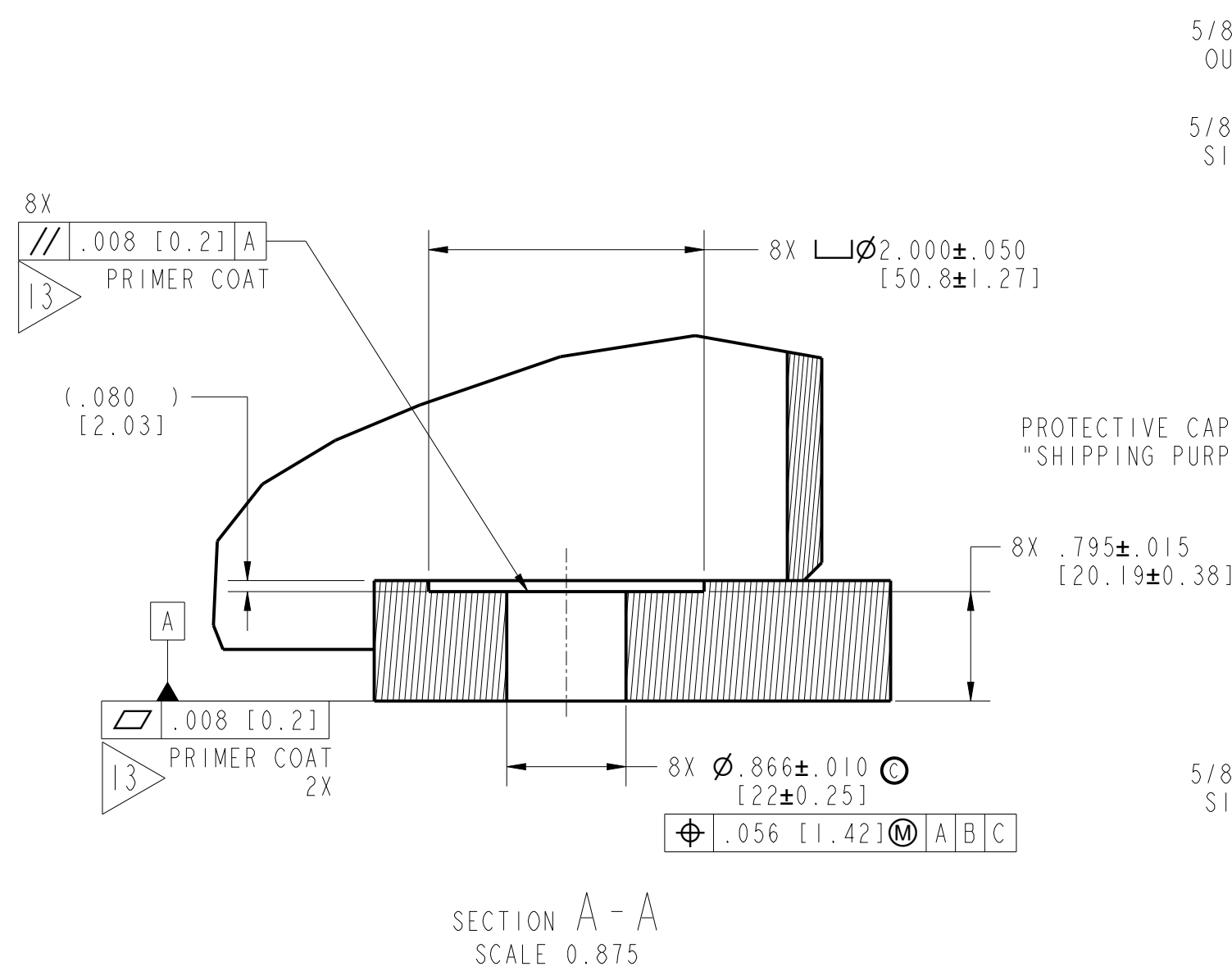


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C

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REVISIONS					
RELEASE	LTR	DESCRIPTION	DRAWN/REV. BY	ENGINEER	DATE
EC1533	C	UPDATED PAINT SPECIFICATION NOTE 12 SH1. UPDATED MOUNTING HOLE POSITION PER TANK WELDMENT ON SH1 (C7) & SH2 (B4), ADDED CUSTOMER REFERENCE NUMBER 11784242	F. MOHAMMED	S. MILETTE	31-Jan-2025
APPROVALS ON FILE					

NOTES:

- ALL MATERIALS ARE COMPATIBLE WITH AUS 32, DEF (DIESEL EXHAUST FLUID), DIESEL FUEL AND ANTIFREEZE.
- OPERATING TEMPERATURES:
 - COOLANT: -40°F TO +235°F (-40°C TO +113°C)
 - DEF LEVEL & CONCENTRATION SENSOR: 12°F TO 158°F (-11°C TO 70°C) (WHEN IN LIQUID STATE)
 - DEF TEMPERATURE SENSOR: -40°F TO +160°F (-40°C TO +71°C)
 - STORAGE TEMP. RANGE: -40°F TO +131°F (-40°C TO 55°C)
 - OPERATING TEMP. RANGE: -40°F TO +131°F (-40°C TO 55°C) (DEF MAY DEGRADE AT TEMP. ABOVE 122°F (50°C))
 - TANK ASSEMBLY: -40°F TO 158°F (-40°C TO 70°C)
- TANK INFORMATION:
 - TANK WEIGHT: 705 LBS (320 Kg)
 - TANK MATERIAL: STAINLESS STEEL -316L OR 304L
 - FLUID CAPACITY: 136 GALLON (514L) APPROX.
 - USABLE VOLUME: 103 GALLON (389L) APPROX.
 - PAINT COLOR: RAL 7021-BLACK-GREY
 - FINISH COAT: POWDER COAT
 - PRIMER COAT: EPOXY
- COOLANT HEATER DESIGNED FOR:
 - TEMPERATURE: -40°F TO +200°F (-40°C TO +93°C)
 - PRESSURE: 0 TO 40 psig (0 TO 276 kPa)
- COOLANT FITTINGS: 5/8 BEAD FITTING PER SAE J1231, TYPE 1(-10) SIZE MATERIAL: STAINLESS STEEL-304L
- COOLANT PRESSURE DROP THROUGH HEATER: (VALUES ARE FOR REFERENCE ONLY)

GPM	PSIG	LPM	kPa
1.0	0.90	3.8	6.20
2.0	1.10	7.6	7.58
3.0	1.80	11.4	12.4
4.0	2.70	15.1	18.6
- DEF FITTINGS:
 - MATERIAL: STAINLESS STEEL-316L
 - SUCTION: 3/8 PER SAE J2044
 - RETURN: 5/16 PER SAE J2044
- DEF QUALITY/LEVEL/TEMPERATURE SENSOR
 - SIGNAL OUTPUT: J1939 CAN PER SPECIFICATIONS BELOW
 - ENGINEERING SPEC: 0000297187
 - INTERFACE SPEC: 0000296494
 - NOM. OPERATING VOLTAGE: 12 OR 24 VDC
 - ELECTRICAL CONNECTOR: DEUTSCH DT04-4P
 - PIN #1: CAN LOW
 - PIN #2: CAN HIGH
 - PIN #3: GROUND
 - PIN #4: POWER
 - MATING CONNECTOR: DEUTSCH DT06-4S (NOT SUPPLIED BY SHAW DEVELOPMENT)
- REPLACEABLE ITEMS:
 - MULTIFUNCTION HEAD: 908-2247-01
 - HEATER HEAD: 908-1406-01
 - COOLANT HOSE: 918-1390-01
 - SENSOR KIT: 325-0186-33-K
 - SUCTION STRAINER: 908-0864-01
 - ADAPTER ASSEMBLY: 908-1213-02
 - DEF CAP: 908-1134-01
 - HEATER/HEADER ORING: 999-0166-353EP70 / 999-0166-366EP70
 - DRAIN PLUG: 999-0848-01
- CLEANLINESS:
 - 10.1 INTERNAL SURFACES OF THE SUCTION TUBE, SUCTION FITTING AND SUCTION FILTER MUST MEET ISO 16232-10 CLEANLINESS SPECIFICATION CCC-G7/H6/15/J4/K00.
 - 10.2 ALL OTHER SURFACES NOT DESIGNATED IN NOTE 10.1 SHALL BE FREE OF VISIBLE PARTICLES, FIBERS AND DEBRIS.
- TANK DESIGN COMPLIES TO CUMMINS AEB 24.58
- PAINT SYSTEM PER KOMATSU SPEC: WN65592640 OR KOMATSU APPROVED EQUIVALENT
 - 12.1 PRIMER: TWO COATS > 40 MICROMETERS EACH
 - COLOR: RAL7021, BLACK GREY OR KOMATSU APPROVED EQUIVALENT
 - 12.2 FINISH COAT: ONE COAT > 40 MICROMETERS
 - COLOR: RAL7021, BLACK GREY OR KOMATSU APPROVED EQUIVALENT
- EPOXY PRIMER, DRY FILM THICKNESS 2.4 MIL MAX
- COLOR: (NOT SPECIFIED)
- DIMENSIONS SHOWN IN () ARE FOR REFERENCE ONLY. BLOCK TOLERANCES DO NOT APPLY UNLESS OTHERWISE SPECIFIED.

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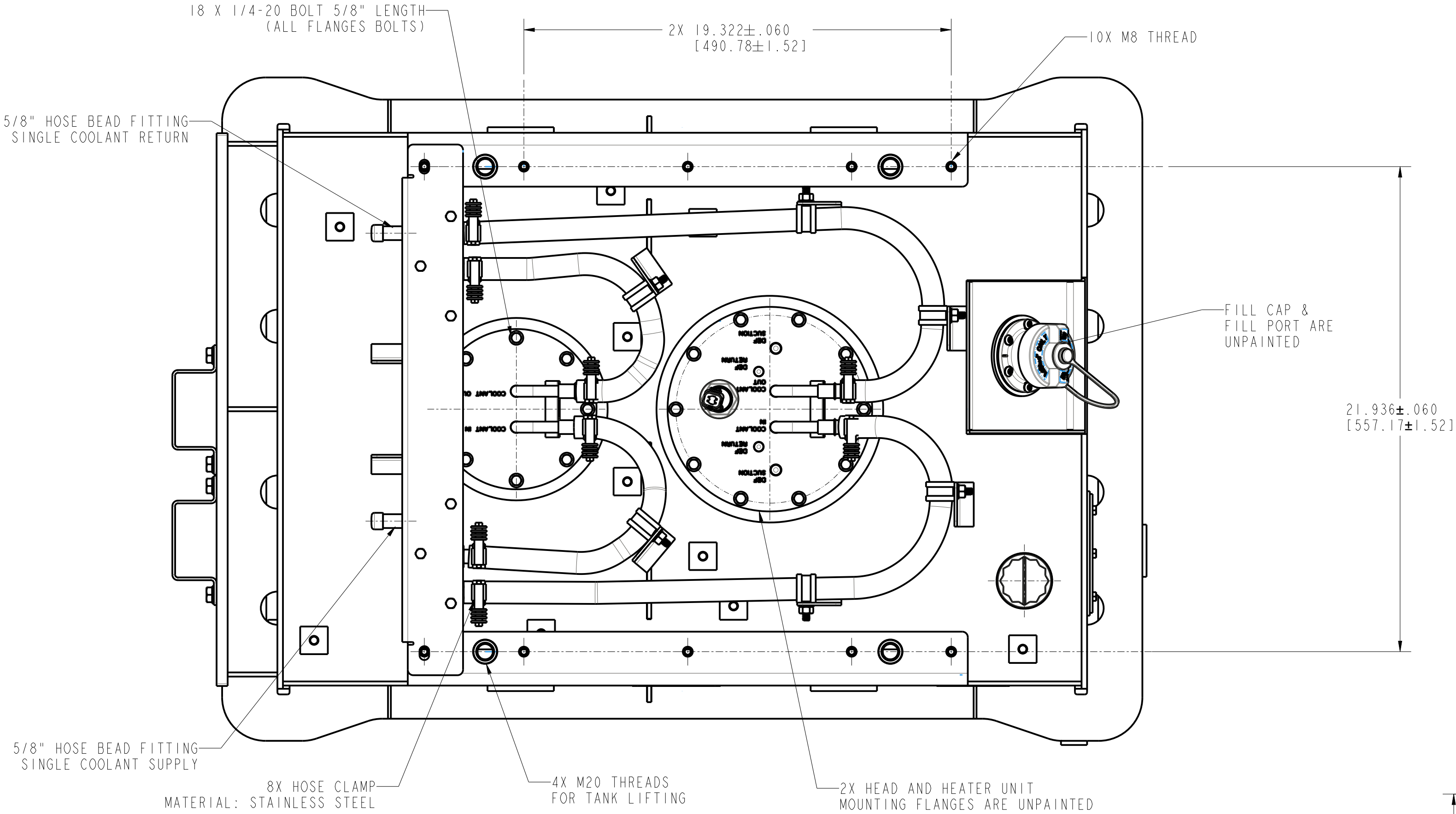
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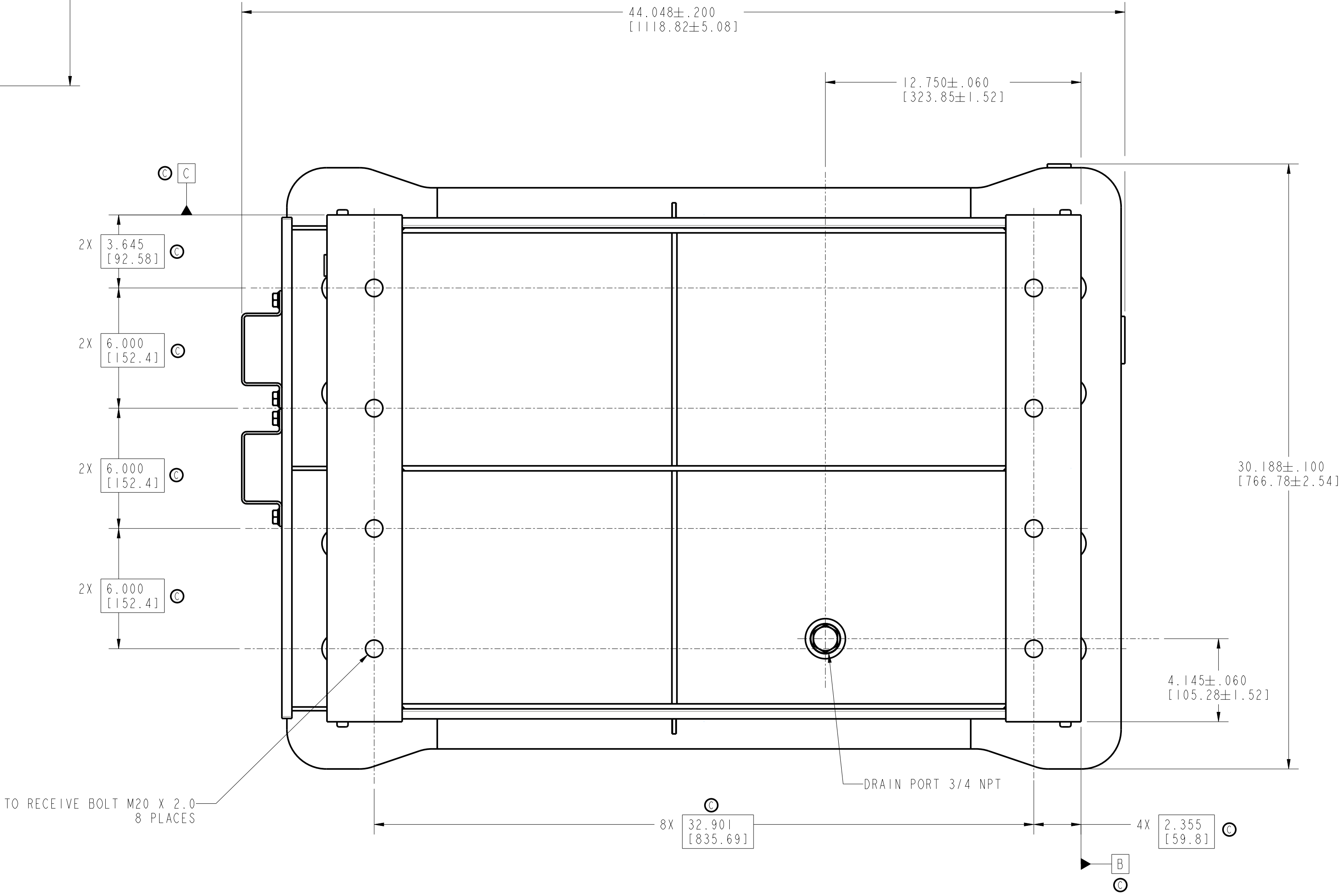
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DRAWING NO. 918-1706-01
REV. C

REVISIONS					
RELEASE	LTR	DESCRIPTION	DRAWN/REV. BY	ENGINEER	DATE
		SEE SHEET 1			
			APPROVALS ON FILE		



HOSE ROUTING DETAIL
(COVER PLATE AND BOLTS ARE REMOVED IN THIS VIEW)
5/8" ID COOLANT HOSES PER SAE J20R1 CLASS A
MATERIAL: SILICONE



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(UNLESS OTHERWISE NOTED)

DECIMALS	ANGLES	MM
XX ± .030	± 1/2°	X ± .76
.XXX ± .010		XX ± .254

REMOVE ALL BURRS AND SHARP EDGES TO .010 R MAX.

MACHINED SURFACES SHALL HAVE A 125 MICRO-FINISH OR BETTER.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES.

DIMENSIONS DESIGNATED [XX] ARE IN MILLIMETERS.

DRAWING SCALE: 0.250 SHOWN FOR REFERENCE ONLY
DO NOT SCALE DRAWING

NEXT ASSY	F. POB
MANUFACTURING DRAWING 918M1706-01	5618
CUSTOMER REFERENCE 11784242	
ORIGINAL RELEASE DATE 30-Dec-2021	

THIS DRAWING CONFORMS TO ASME Y14.5-2009 AND SHAW DEVELOPMENT ES-2030

THIRD ANGLE PROJECTION

SHAW DEVELOPMENT

25190 Bemwood Dr., Bonita Springs, Florida 34135 WWW.SHAWDEV.COM

TITLE
TANK ASSEMBLY DEF 136 GALLON

CODE IDENT NO.	SIZE	DRAWING NO.	REVISION
59647	D	918-1706-01	C

DRAWING STATE: Released SHEET 2 of 2