

														<div><div><div>Carrier</div><div>TRANSICOLD</div><div>United Technologies</div></div></div>		Carrier Transicold Division Carrier Corporation P.O. Box 4805 Syracuse, New York 13221		THIS DOCUMENT AND THE INFORMATION CONTAINED HEREIN IS PROPRIETARY TO CARRIER CORPORATION AND SHALL NOT BE USED OR DISCLOSED TO OTHERS, IN WHOLE OR IN PART, WITHOUT THE WRITTEN AUTHORIZATION OF CARRIER CORPORATION.		SUBMISSION OF THESE DRAWINGS OR DOCUMENTS DOES NOT CONSTITUTE PART PERFORMANCE OR ACCEPTANCE OF CONTRACT	
CTD FUEL TANK INSTALLATION KIT PART NUMBER W/ ELECTRIC FUEL PUMP & DATA LINK SENSOR		U.S. ECCN	CTD FUEL TANK INSTALLATION KIT PART NUMBER W/O ELECTRIC FUEL PUMP & DATALINK SENSOR		U.S. ECCN	CTD FUEL TANK ASSY. WITH STRAPS & DATALINK PORT PART NUMBER		U.S. GAL. (NOMINAL)	A (INCHES)	B (INCHES)	C (INCHES)	D (INCHES)	DRAIN LOCATION	FILL TYPE	DRY WEIGHT INSTALLED (LBS.)	TANK MATERIAL	CONVERSION CHART		NOTES: 1. CARRIER TRANSICOLD PROVIDES CIRCLED ITEM NUMBERS AS PART OF THE INSTALLATION KIT FURNISHED WITH EACH FUEL TANK ASSY. 2. CONSULT CARRIER TRANSICOLD SERVICE ENGINEERING FOR PROPER INSTALLATION OF OPTIONAL FEATURES NOT DETERMINED AS CARRIER SUPPLIED. 3. DIMENSIONS SHOWN ARE IN INCHES WITH EQUIVALENT MILLIMETERS IN CLOSED BRACKETS (). 4. THE TRAILER STRUCTURE MUST BE EVALUATED BY THE TRAILER MANU-FACTURER TO DETERMINE ITS ABILITY TO WITHSTAND THE IMPOSED LOADS OVER ITS SERVICE LIFE. THESE GUIDELINES DO NOT CONVEY EN-DORSEMENT OR WARRANTY BY CARRIER TRANSICOLD FOR THE STRUCTURAL INTEGRITY OF THE TRAILER. FUEL TANKS INSTALLED IN ACCORDANCE WITH THESE GUIDELINES WILL PROVIDE ADEQUATE SUPPORT IN NORMAL SERVICE ENVIRONMENTS INCLUDING INTERMODAL APPLICATIONS. 4.1 FUEL TANK SUPPORT STRAPS MUST ATTACH TO THREE STEEL CROSS MEMBERS FOR 30 TO 120 GALLON TANK CAPACITIES. 4.2 FUEL TANK SUPPORT STRAPS WILL INTERFACE WITH THREE CROSS MEMBERS IF THEY ARE ON 12-INCH CENTERS. CROSS MEMBERS ON 15-INCH CENTERS WILL REQUIRE A STRUCTURAL STEEL CHANNEL TO SPAN THEM. THIS CHANNEL IS NOT SUPPLIED BY CARRIER TRANSICOLD. 4.3 FOR FUEL TANKS MOUNTED WITH FOUR SUPPORT STRAPS (75 GALLONS AND UP), IT IS RECOMMENDED THAT EACH PAIR OF TWO STRAPS (FOUR TOTAL) SUPPLIED BE LOCATED TOGETHER AS SHOWN TO PREVENT TANK DAMAGE. 4.4 INSTALL MYLAR SPACERS (ITEM 34) BETWEEN FUEL TANK HANGER BRACKETS (ITEM 50)AND BACKING PLATES (ITEM 51) AND TRAILER I-BEAMS. 4.5 INSTALL MYLAR WASHERS ON BOLTS (ITEM 20) AND NUTS (ITEM 12) WHERE THEY CONTACT FUEL TANK HANGER BRACKETS AND BACKING PLATES. 5. RECOMMENDED TORQUE VALUES FOR FURNISHED LOCK NUTS ARE AS FOLLOWS: BOLT/THREADTORQUE (FT-LB) 1/4-209 3/8-2430 1/2-1360-EXCEPT AS NOTED 6. EACH INSTALLATION KIT CONTAINS SUFFICIENT CLAMPS AND GROMMETS FOR FUEL LINE ROUTING AND SECUREMENT. THE INSTALLER MAY ROUTE FUEL LINES THRU CONDUIT, 3/4 INCH (75) MINIMUM, AS AN ALTER-NATE TO USING GROMMETS. (CONDUIT NOT FURNISHED AS PART OF IN-STALLATION KIT). 7. EACH INSTALLATION KIT CONTAINS SUFFICIENT CLAMPS AND HARDWARE FOR SECURING THE FUEL PUMP CABLE. ROUTING OF THE CABLE MAY BE ACCOMPLISHED BY EITHER OF THE FOLLOWING METHODS: -WITH THE 1/4 INCH O.D. FUEL LINE THRU GROMMETS PROVIDED. -THRU FREE SPACE IN SUCH A MANNER AS TO PREVENT PHYSICAL DAMAGE. (NOTE: ADDITIONAL CLAMPS MAY BE REQUIRED WITH THIS METHOD OF ROUTING.) -THRU CONDUIT (NOT FURNISHED AS PART OF INSTALLATION KIT). 8. USE PIPE SEALANT ON ALL PIPE CONNECTIONS (NOT FURNISHED AS PART OF INSTALLATION KIT). 9. INSTALL UNIONS (ITEMS 29 & 30) IN FUEL TANK USING PIPE SEALANT ON PIPE THREADS. WHEN INSTALLING FLEXIBLE TUBE INTO THE TANK PASS THE TUBES, BOTH SUPPLY & RETURN, THROUGH THE FITTING AND PUSH TUBES TO THE BOTTOM OF THE TANK. WHEN THE TUBES REACH THE BOTTOM OF THE TANK, PULL THEM BACK UP APPROXIMATELY 1.00 INCH, THEN TIGHTEN THE COMPRESSION NUT.		
																	DECIMAL INCHES	FRACTIONAL INCHES			
98-02201-03		EAR99	98-02201-06		EAR99	79-01495-11		30	30.56	22.69	24.19	14.00	BOTTOM	SINGLE	93	STEEL	0.38	3/8			
						79-01495-00		50		35.62	37.12	18.00			112		0.41	13/32			
98-02201-04		EAR99	98-02201-07		EAR99	79-01495-12		75		51.75	53.25	26.00			183		0.44	7/16			
						79-01495-01					69.38				---		0.53	17/32			
98-02201-05		EAR99	98-02201-08		EAR99	79-01495-02		100	27.91	67.88		36.00	END	DOUBLE	---	STEEL	0.63	5/8			
98-02201-04		EAR99	98-02201-07		EAR99	79-01495-03								SINGLE	---		1.25	1-1/4			
98-02201-05		EAR99	98-02201-08		EAR99	79-01495-04								DOUBLE	---		1.50	1-1/2			
98-02201-04		EAR99	98-02201-07		EAR99	79-01495-05								SINGLE	---		1.56	1-9/16			
98-02201-05		EAR99	98-02201-08		EAR99	79-01495-06		120	30.56	80.81		40.00	DOUBLE	---	STEEL	1.62	1-5/8				
98-02201-04		EAR99	98-02201-07		EAR99	79-01495-07							SINGLE	---		1.75	1-3/4				
98-02201-05		EAR99	98-02201-08		EAR99	79-01495-08							DOUBLE	---		1.84	1-27/32				
98-02201-04		EAR99	98-02201-07		EAR99	79-01495-09							SINGLE	---		1.88	1-7/8				
98-02201-11		EAR99	98-02201-10		EAR99	79-01495-14		50	27.91	80.81		40.00	DOUBLE	---	STEEL	2.25	2-1/4				
98-02201-03		EAR99	98-02201-06		EAR99	79-01495-18							SINGLE	---		3.06	3-1/16				
						79-01495-17							72	3.62		3-5/8					
						79-01495-16							74	3.69		3-11/16					
---		EAR99	98-02201-10		EAR99	79-01495-15		50	30.56	22.69	24.19	18.00	BOTTOM	SINGLE	72	ALUMINUM	3.75	3-3/4			
						79-01495-19		72							3.88		3-7/8				
						79-01495-21		67							22.69		24.19	14.00	74	22.69	22-11/16
						79-01495-20		74							35.62		37.12	18.00	24.19	24-3/16	
						79-01495-22		93							27.44		27-7/16				
						79-01495-23		112							27.62		27-5/8				
			98-02201-12		EAR99	79-01495-11		30	30.56	51.75	53.25	26.00	END	---	STEEL	183	27.91	27-29/32			
						79-01495-00		50								35.62	37.12	18.00	---	30.56	30-9/16
						79-01495-18															
						79-01495-12		75								67.88	69.38	36.00	---	35.62	35-5/8
			98-02201-13		EAR99	79-01495-01		100	27.91	80.81	82.31	40.00	BOTTOM	---	STEEL	37.12	37-1/8				
						79-01495-03															
						79-01495-05		120								80.81	82.31	40.00	---	51.75	51-3/4
						79-01495-07															
			98-02201-14		EAR99	79-01495-02		100	30.56	67.88	70.88	36.00	END	---	ALUMINUM	67.88	67-7/8				
						79-01495-04		27.91								69.38	70.88	36.00	---	69.38	69-3/8
79-01495-06		120				80.81	83.81	40.00								---	70.88	70-7/8			
79-01495-08		27.91				80.81	83.81	40.00								---	80.81	80-13/16			
98-02201-15		EAR99	79-01495-14		50	30.56	35.62	37.12	18.00	BOTTOM	---	ALUMINUM	82.31	82-5/16							
			79-01495-17		30								22.69	24.19	14.00	83.81	83-13/16				
			79-01495-16																		
			79-01495-15		50								35.62	37.12	18.00						
98-02201-18		EAR99	98-02201-16		EAR99	79-01495-22		75	30.56	51.75	53.25	26.00	BOTTOM	SINGLE	157	ALUMINUM					
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98-02201-18		EAR99	98-02201-16		EAR99	79-01495-24															
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98-02201-18		EAR99	98-02201-16		EAR99	79-01495-26		100	67.88		69.38	36.00	DOUBLE	179							
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98-02201-21		EAR99	98-02201-19		EAR99	79-01495-28															
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98-02201-21		EAR99	98-02201-19		EAR99	79-01495-30															
---		---	98-02201-20		EAR99	79-01495-31															

CONTINUED ON SHEET 2.

AJ

REH'D NOTE 10 "MYLAR PROTECTOR INSTALLATION", UPDATED SHEET INDEX, SEE SHEETS 3 & 6.

10 FEB 2020

LT-RP

JM

72N0333P19

AH

FOR -03, -04, -05, -11, -18, -21, -23, -26 & -29: UPDATED NOTE 10.4, UPDATED SHEET INDEX, SEE SHEET 3.

23 JUL 2019

LT-RP

RC

72N0242P19

AG

FOR -03, -04, -05, -11, -18, -21, -23, -26 & -29: ADDED NOTE 10. UPDATED SHEET INDEX, SEE SHEETS 3 & 5.

15 APR 2019

RC

72N0290P18

SYM

REVISION RECORD

DATE

BY

ENGR.

M.E.

NPCA NO.

THIRD ANGLE
PROJECTION

IMPERIAL INCH FORMAT:
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES WITH
METRIC CONVERSIONS IN [MILLIMETERS]

TITLE

INSTALLATION INSTRUCTIONS
22" DIA FUEL TANKS, 30, 50, 75, 100 & 120 GALLONS

SHEET INDEX

REV

AJ

AE

AJ

AE

AG

AJ

AE

DRAWING NO.

98-02201

SHEET 1 of 7

REV

AJ

SUPERSEDES:

PART CLASSIFICATION: US SEE CHART

FOR SEPARATE ELECTRIC FUEL
PUMP FIELD KIT ORDER NO.

76-00295-06

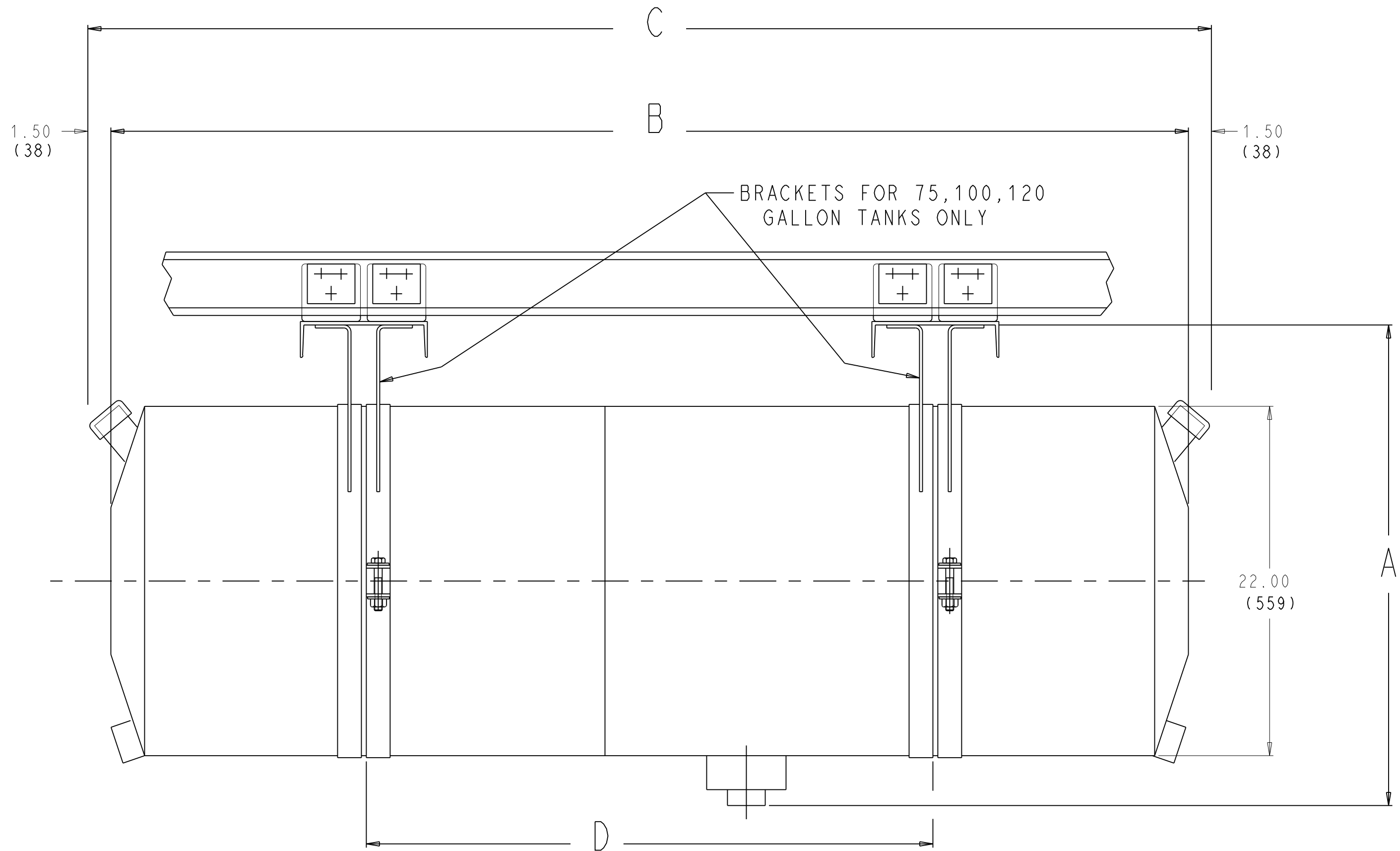
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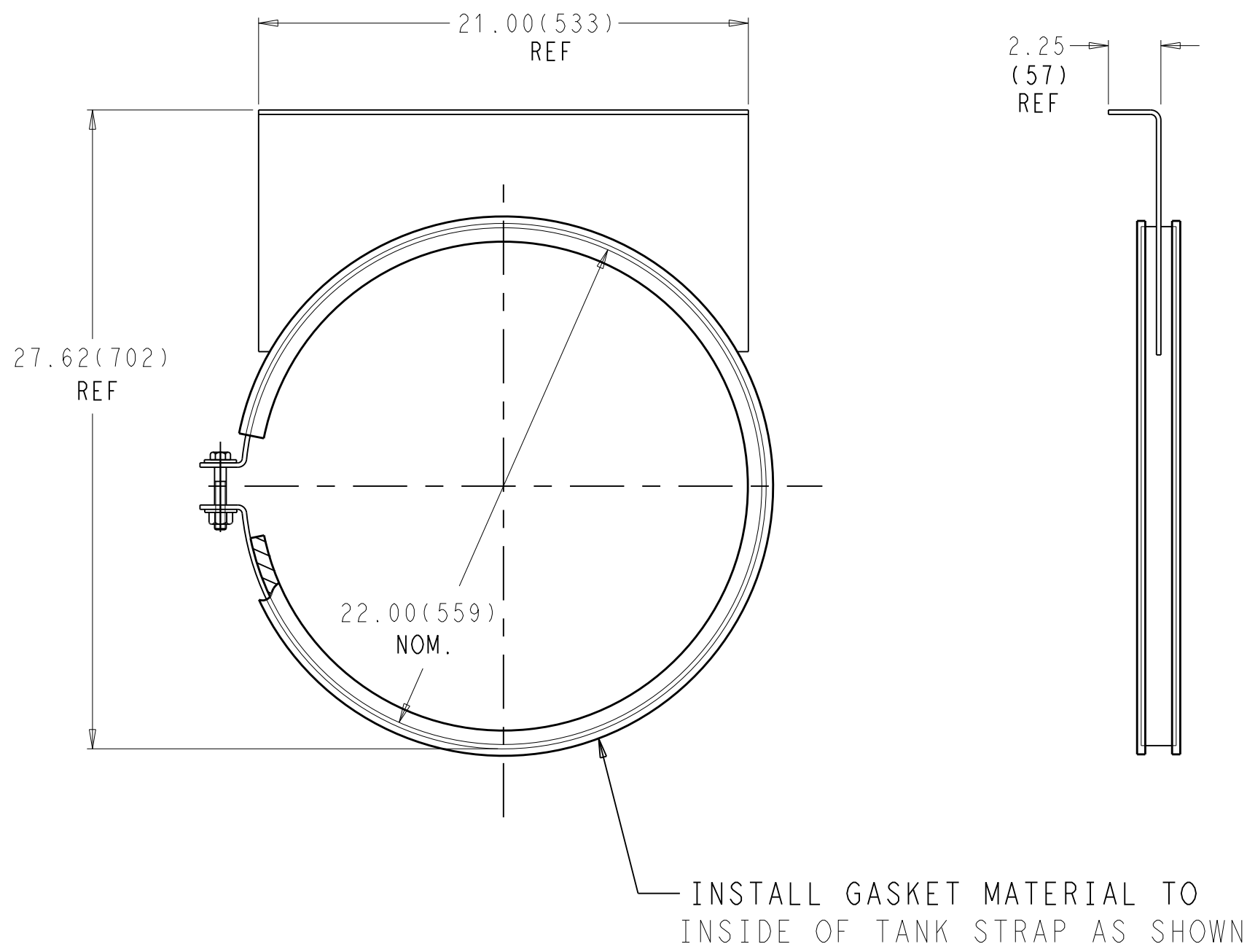
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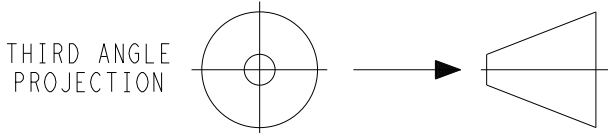
VIEW FROM FRONT



TANK STRAP & GASKET DETAIL

NOTE: ADD GASKET SUPPLIED W/STRAP PACKAGE
PRIOR TO MOUNTING STRAP TO TANK

AJ	REM'D "MYLAR PROTECTOR INSTALLATION" VIEW.	10 FEB 2020	LT-RP	JM		72N0333P19
AH	UPDATED NOTE.	23 JUL 2019	LT-RP	RC		72N0242P19
AG	ADDED "MYLAR PROTECTOR INSTALLATION" VIEW,	15 APR 2019	LT-SN	RC		72N0290P18
AE	REDRAWN IN PRO/E.	20 MAR 13	ZMG			72N0229P13
SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.



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TITLE
INSTALLATION INSTRUCTIONS
22" DIA FUEL TANKS, 30, 50, 75, 100 & 120 GALLONS

DRAWING NO.
98-02201
SHEET 3 OF

REV
AJ

SUPERSEDES:

PART CLASSIFICATION: US SEE CHART

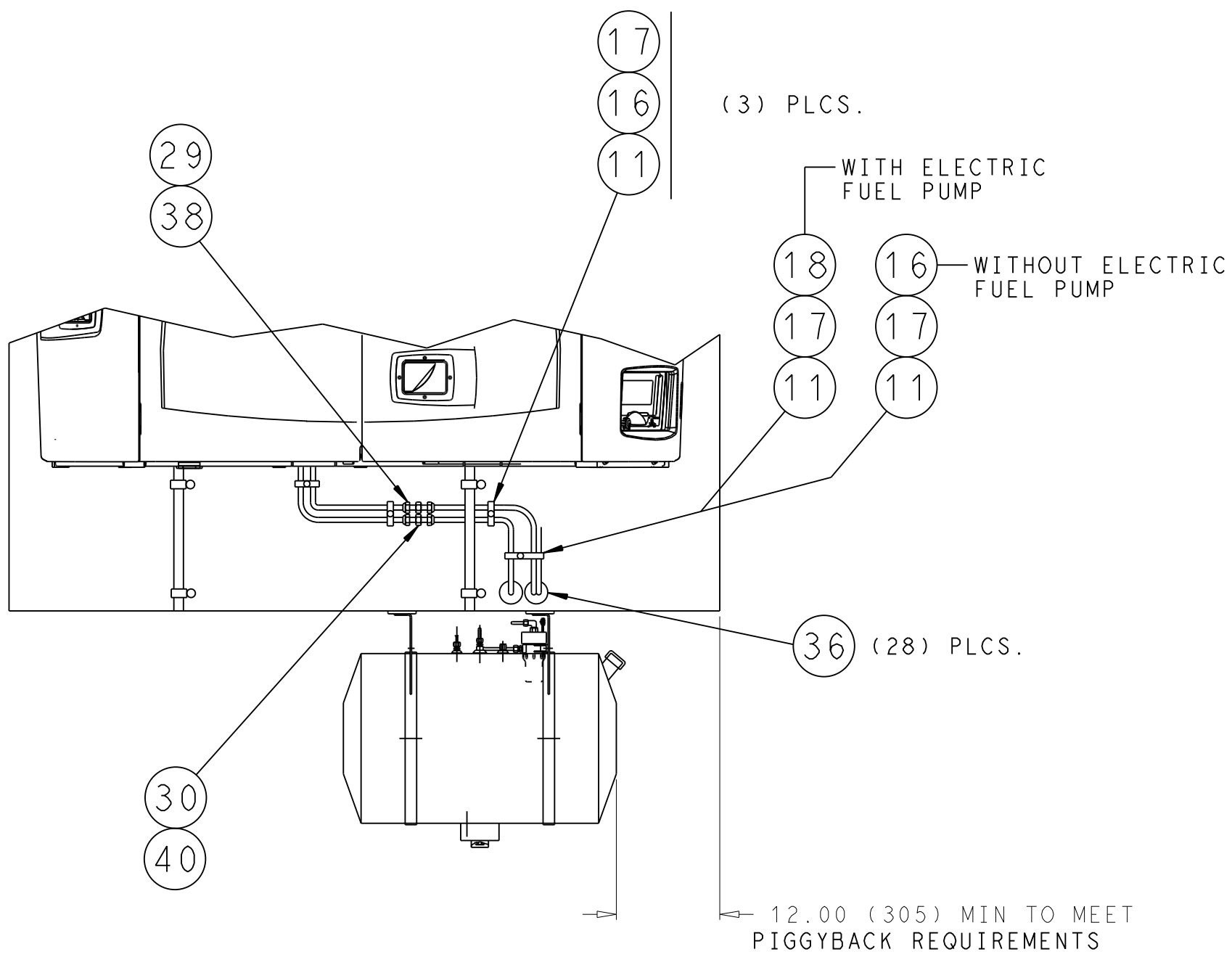
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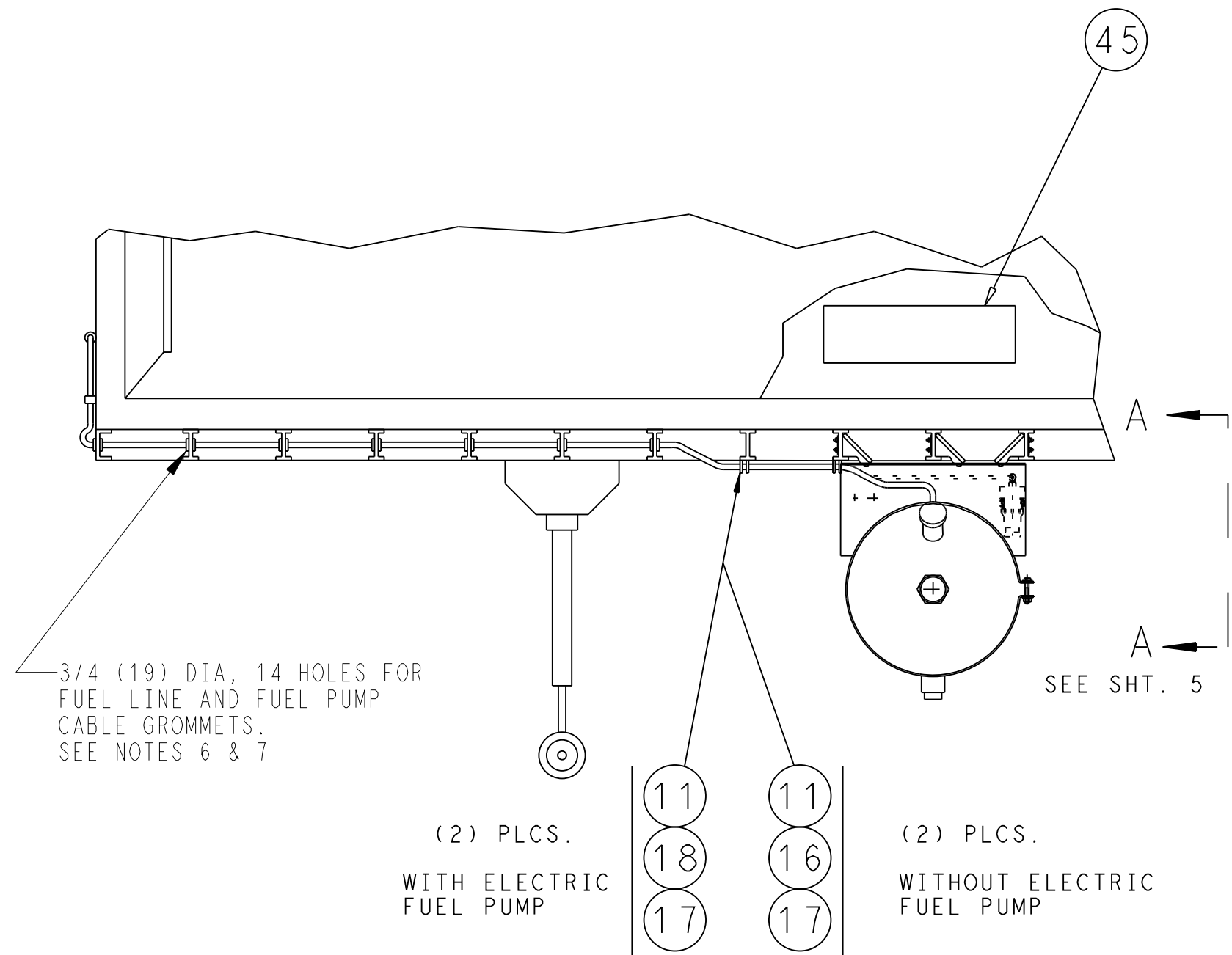
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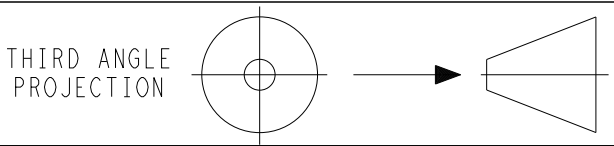
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TYPICAL TANK ARRANGEMENT



AE	REDRAWN IN PRO/E.	20 MAR 13	ZMG			72N0229P13
SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.



IMPERIAL INCH FORMAT:
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES WITH
METRIC CONVERSIONS IN [MILLIMETERS]

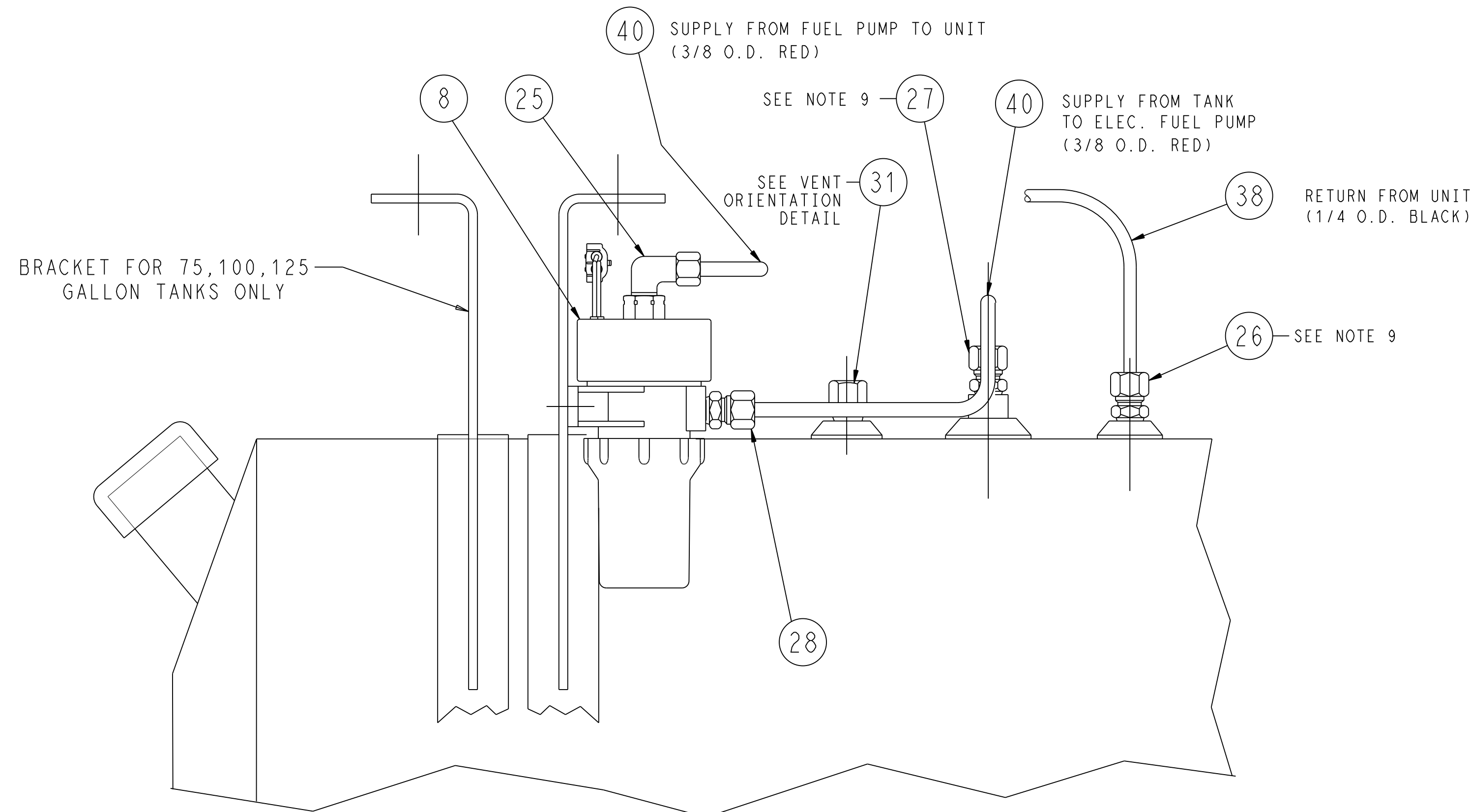
TITLE
INSTALLATION INSTRUCTIONS
22" DIA FUEL TANKS, 30, 50, 75, 100 & 120 GALLONS

DRAWING NO.	REV
98-02201	AE
SHEET 4 OF	

SUPERSEDES: _____

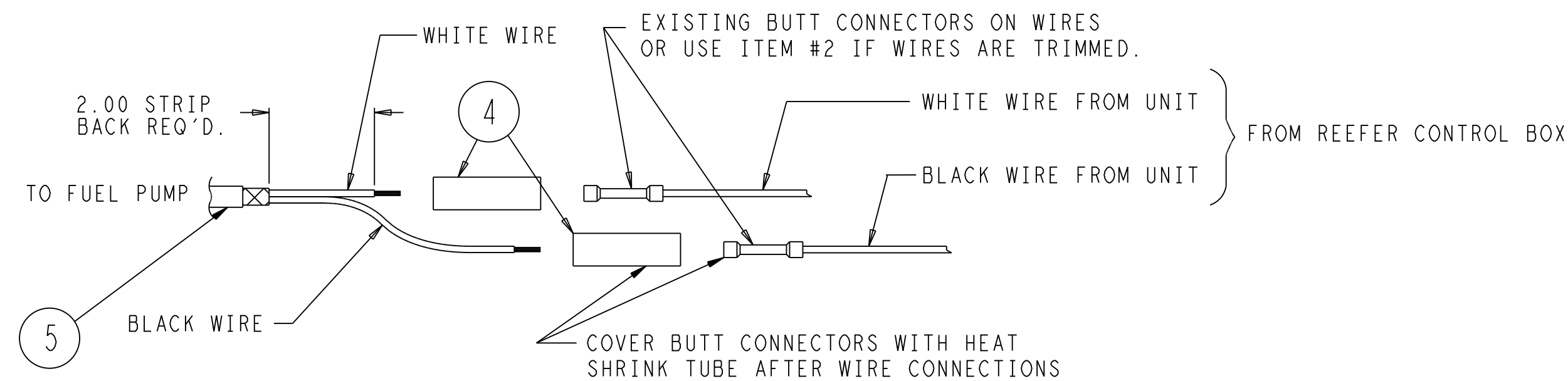
PART CLASSIFICATION: US SEE CHART

DRAWING CLASSIFICATION: US EAR99

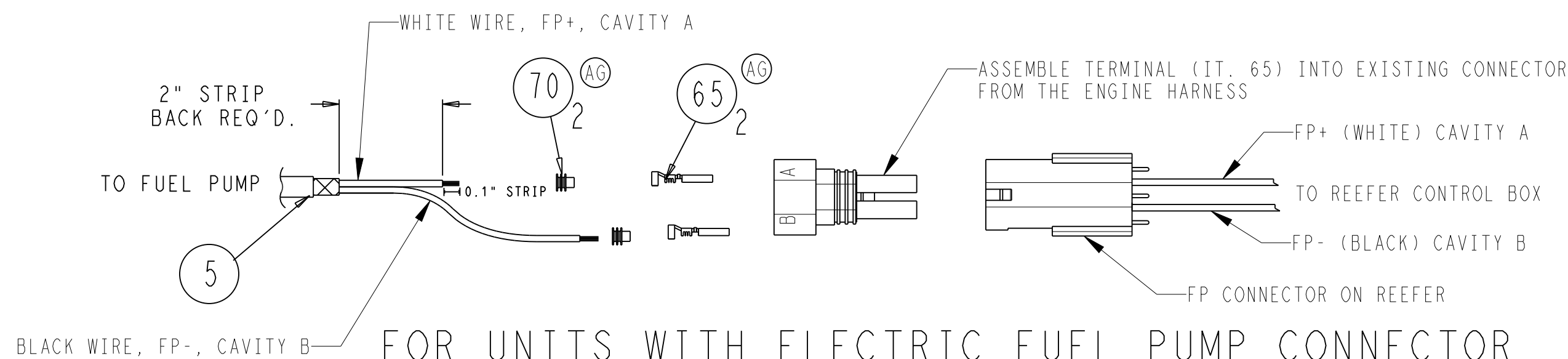


VIEW A - A (SHT 4)

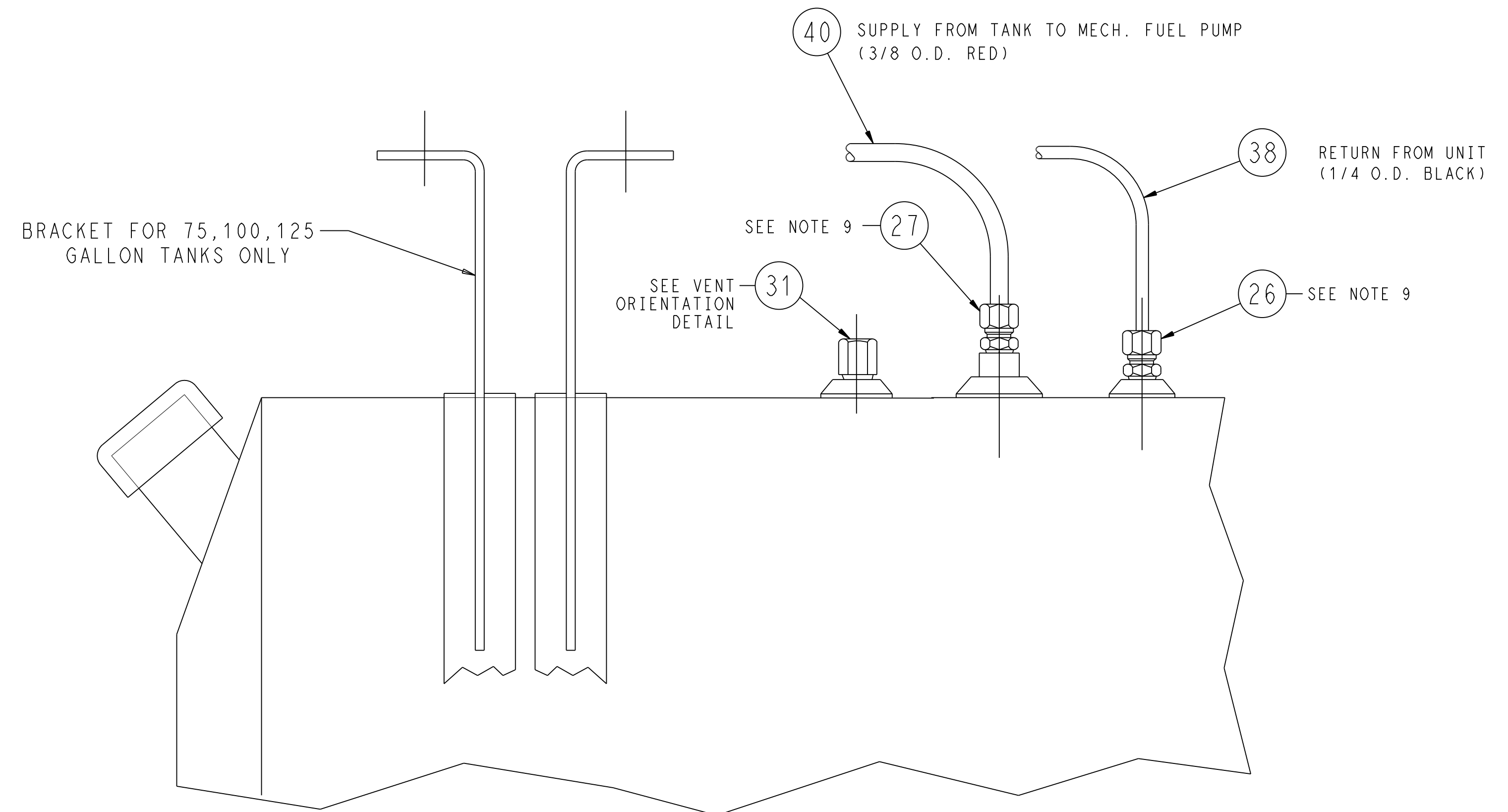
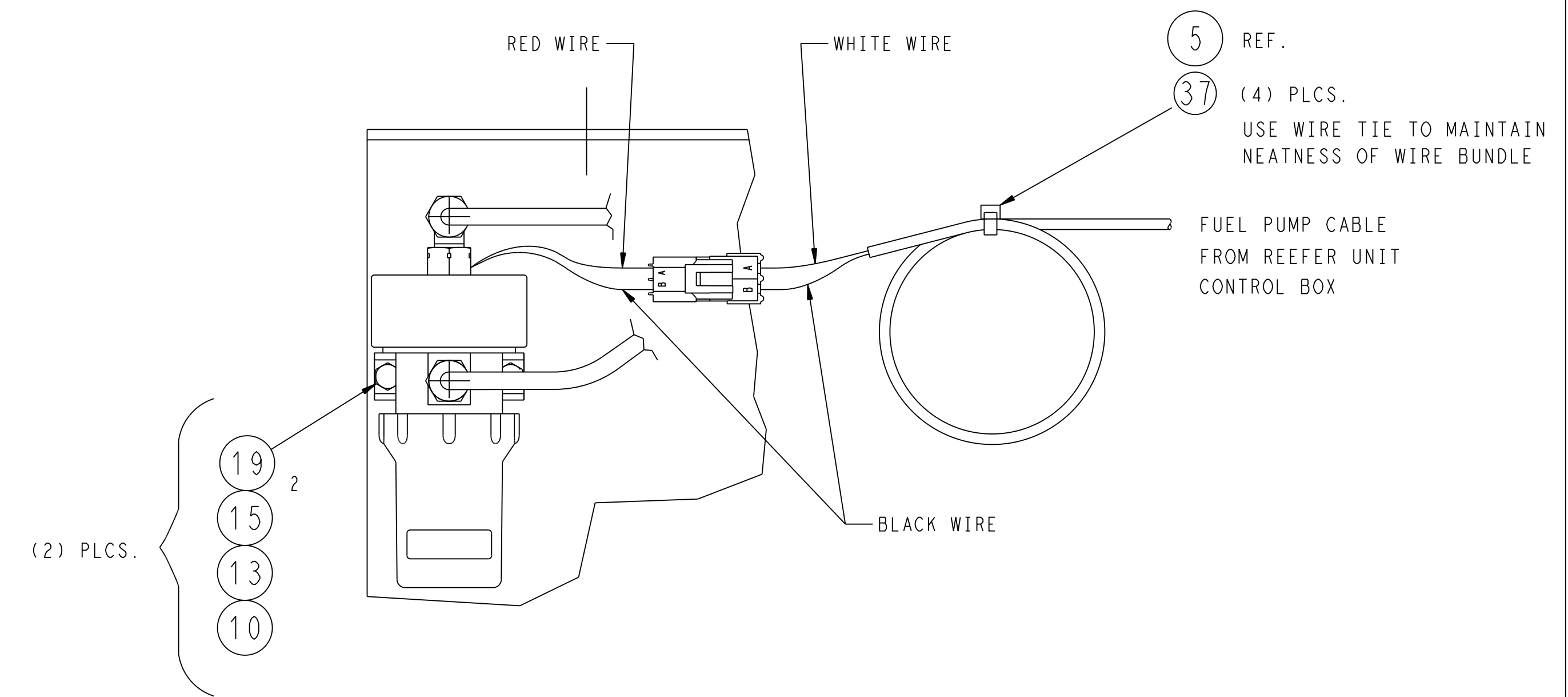
FOR KITS WITH ELECTRIC FUEL PUMP



ⓐ FOR UNITS WITH ELECTRIC FUEL PUMP LOOSE WIRES
AT REEFER UNIT CONTROL BOX



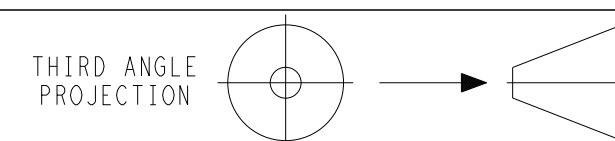
FOR UNITS WITH ELECTRIC FUEL PUMP CONNECTOR
ⓐ AT REEFER UNIT CONTROL BOX



VIEW A - A (SHT 4)

FOR KITS WITHOUT ELECTRIC FUEL PUMP

AG	ADDED "FOR UNITS WITH ELECTRIC FUEL PUMP CONNECTOR AT REEFER UNIT CONTROL BOX" VIEW & ADDED IT. 65, 2 QTY & IT. 70, 2 QTY. UPDATED NOTE "FOR UNITS WITH ELECTRIC FUEL PUMP LOOSE WIRES AT REEFER UNIT CONTROL BOX"	15 APR 2019	LT-SN	RC		72N0290P18
AF	ELECTRIC FUEL PUMP CABLE CONNECTIONS VIEW: WHITE WIRE TO FUEL PUMP WAS RED WIRE AND BLACK WIRE FROM UNIT WAS GREEN WIRE.	15 DEC 15	ZMG			72N0381P15
SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.



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METRIC CONVERSIONS IN [MILLIMETERS]

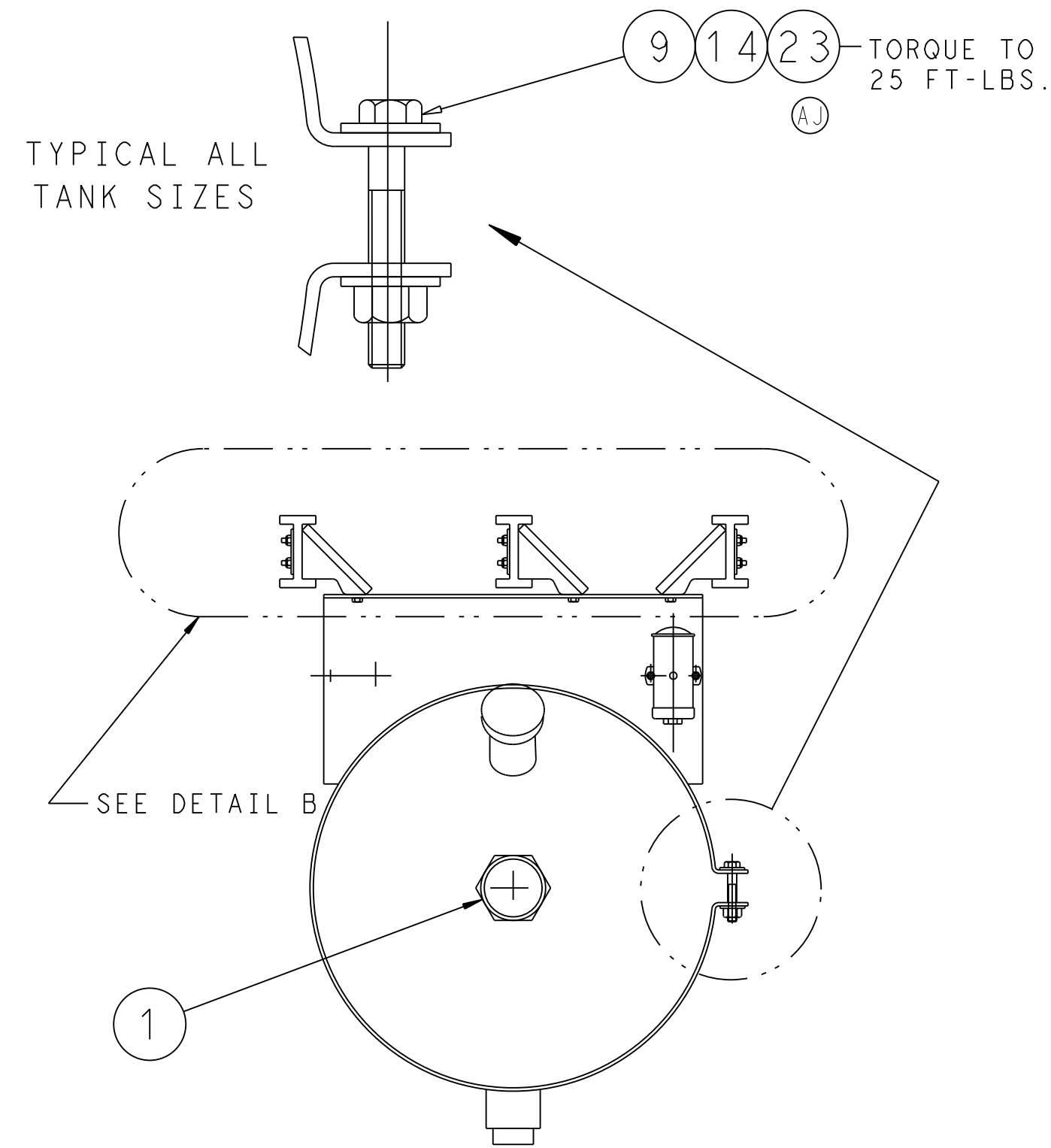
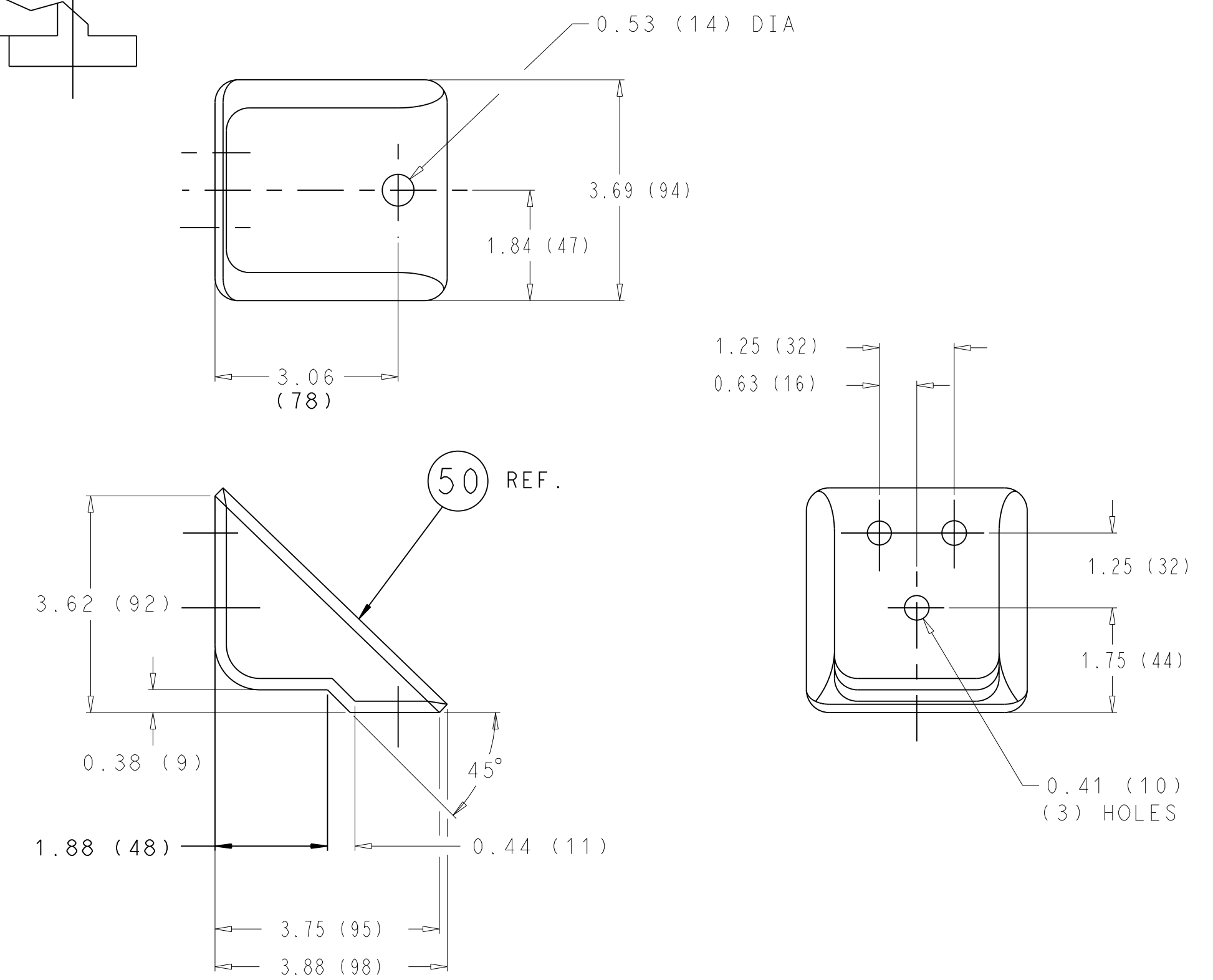
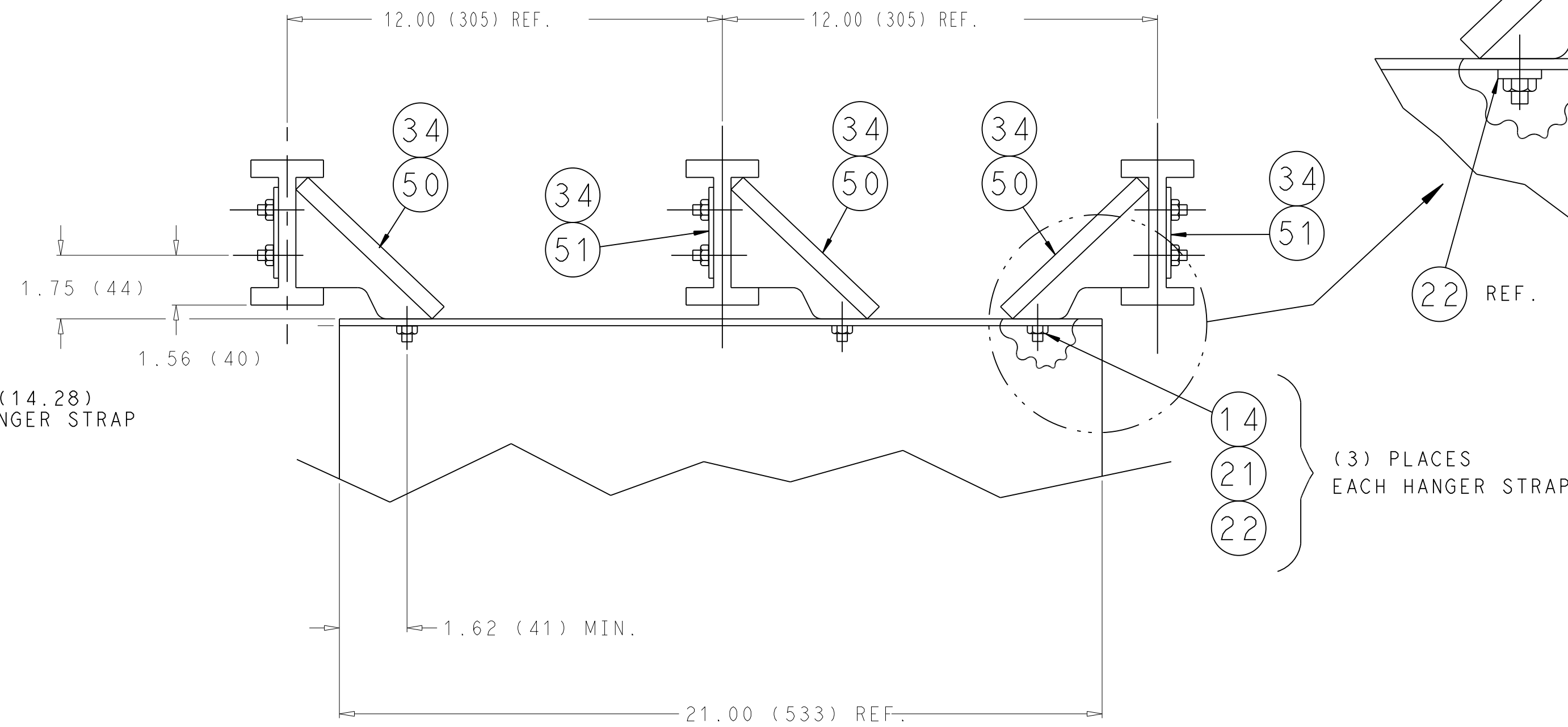
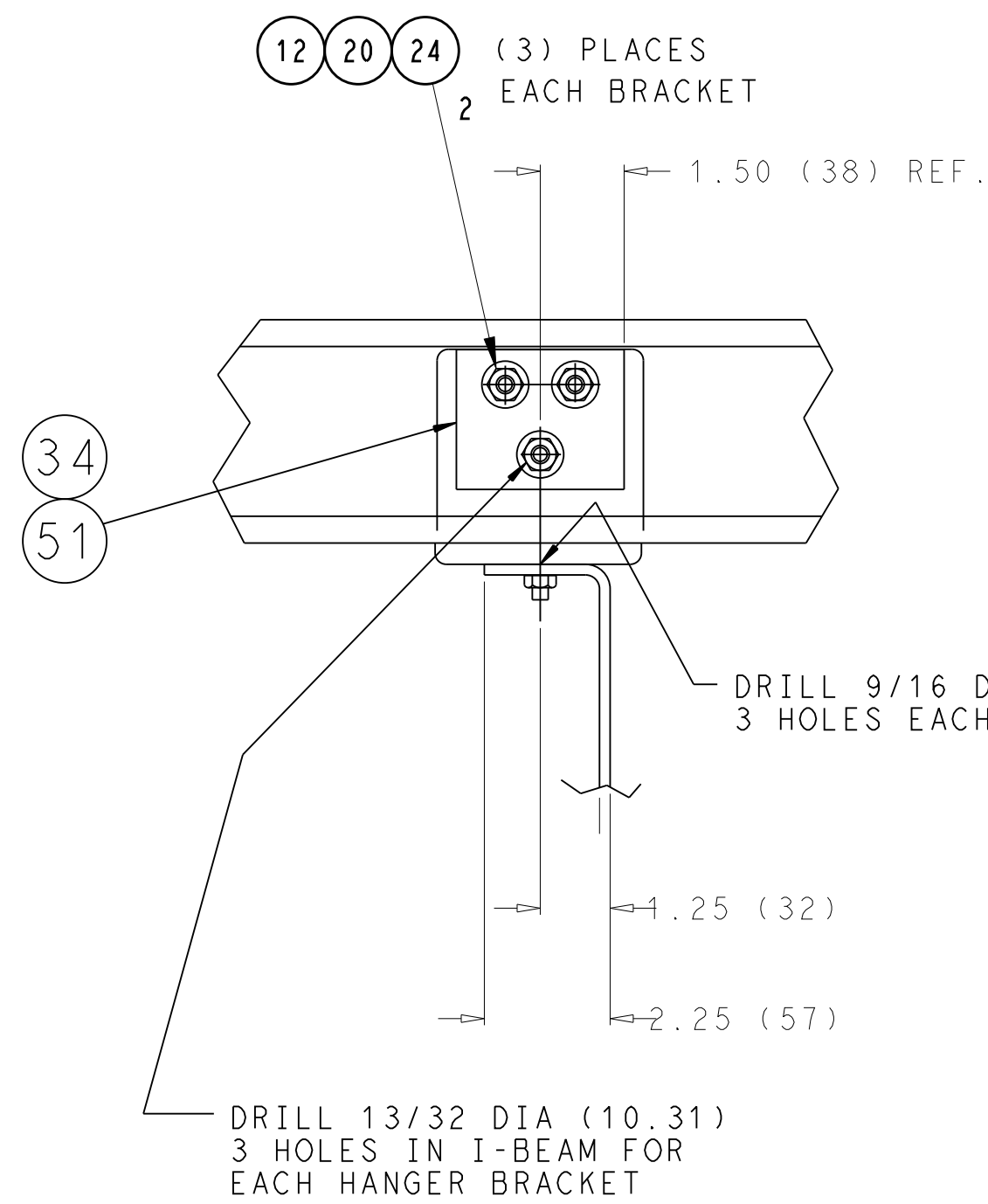
TITLE
INSTALLATION INSTRUCTIONS
22" DIA FUEL TANKS, 30, 50, 75, 100 & 120 GALLONS

DRAWING NO.
98-02201
SHEET 5 of
REV
AG

SUPERSEDES:

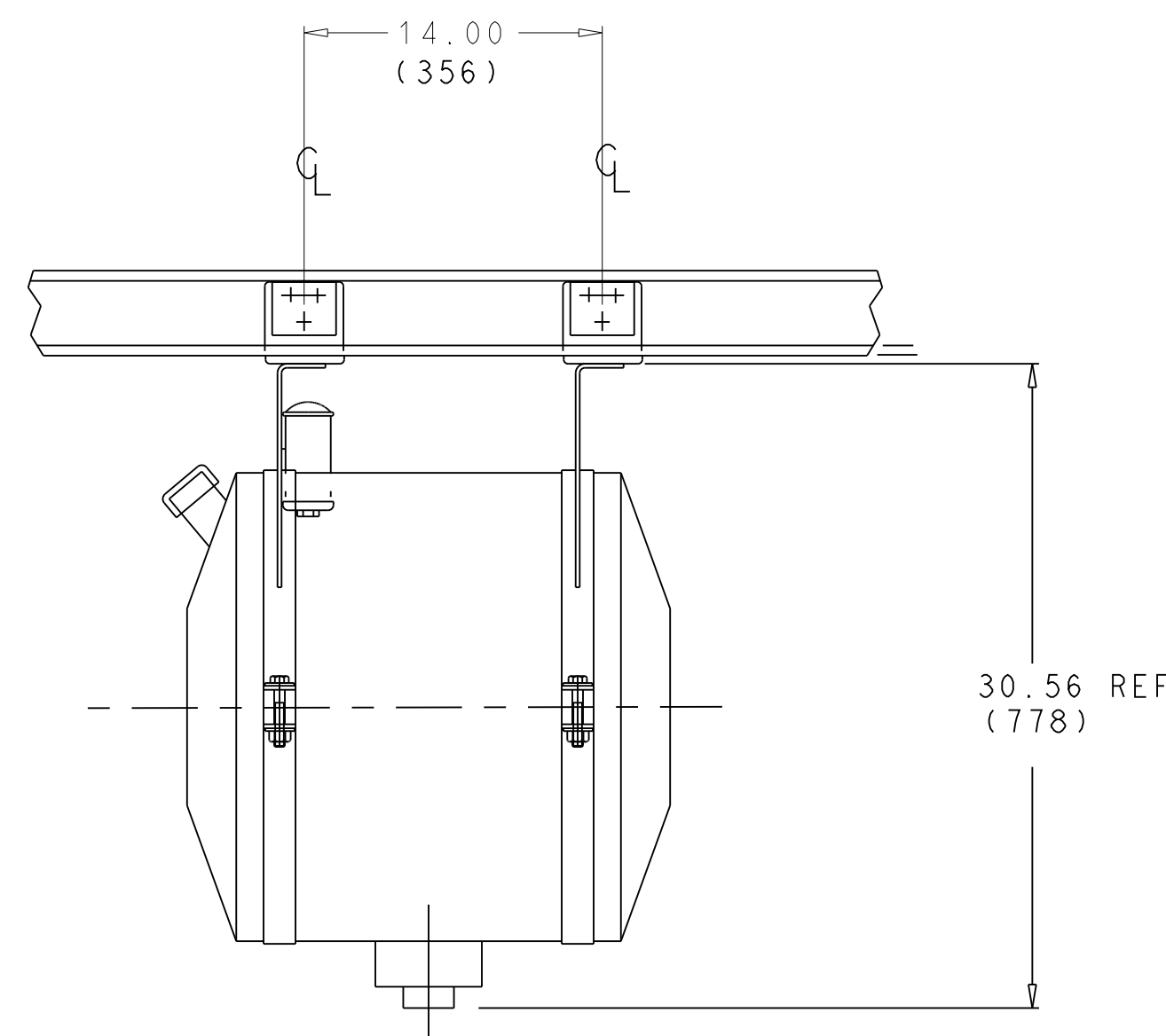
PART CLASSIFICATION: US SEE CHART

DRAWING CLASSIFICATION: US EAR99

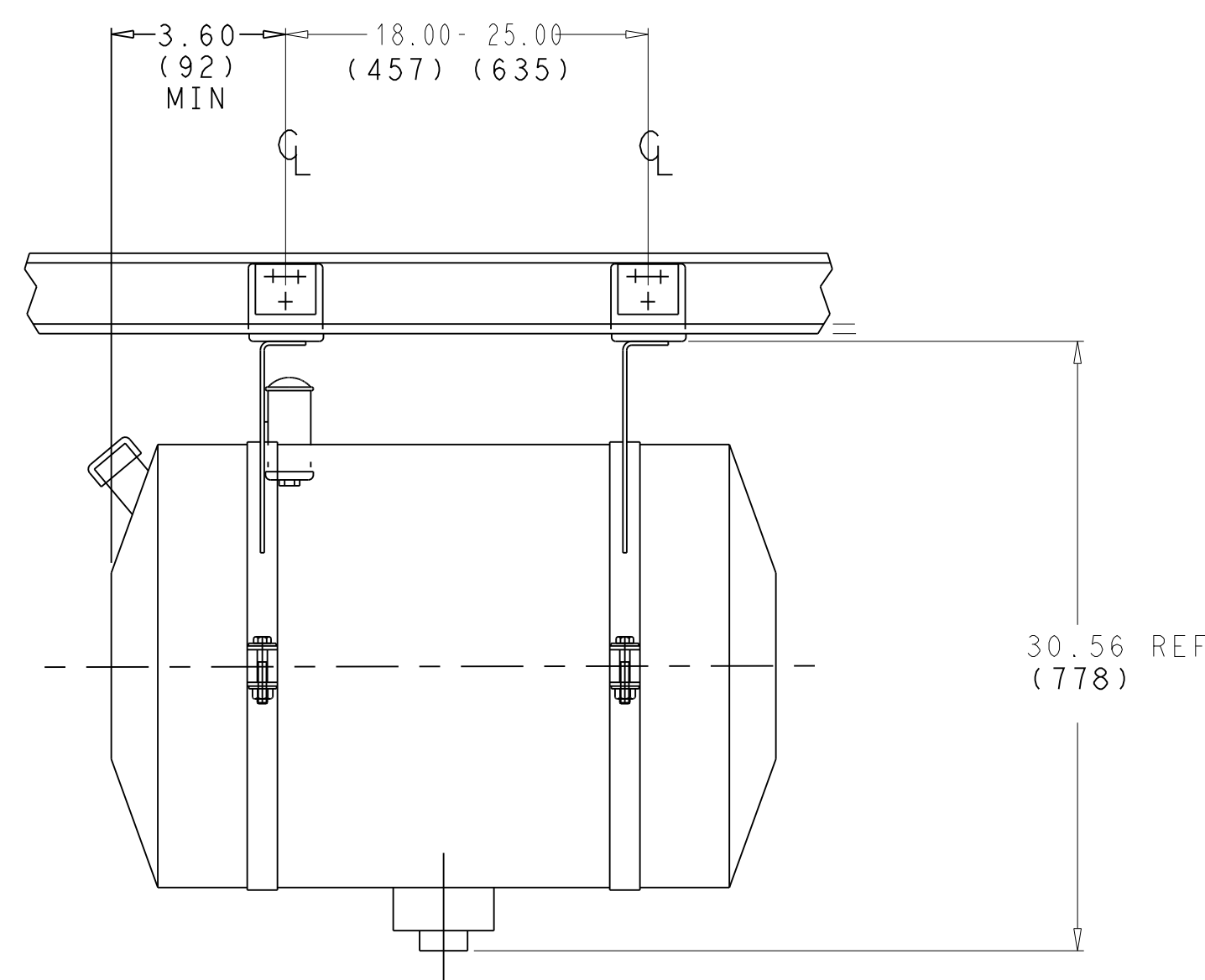


DETAIL B

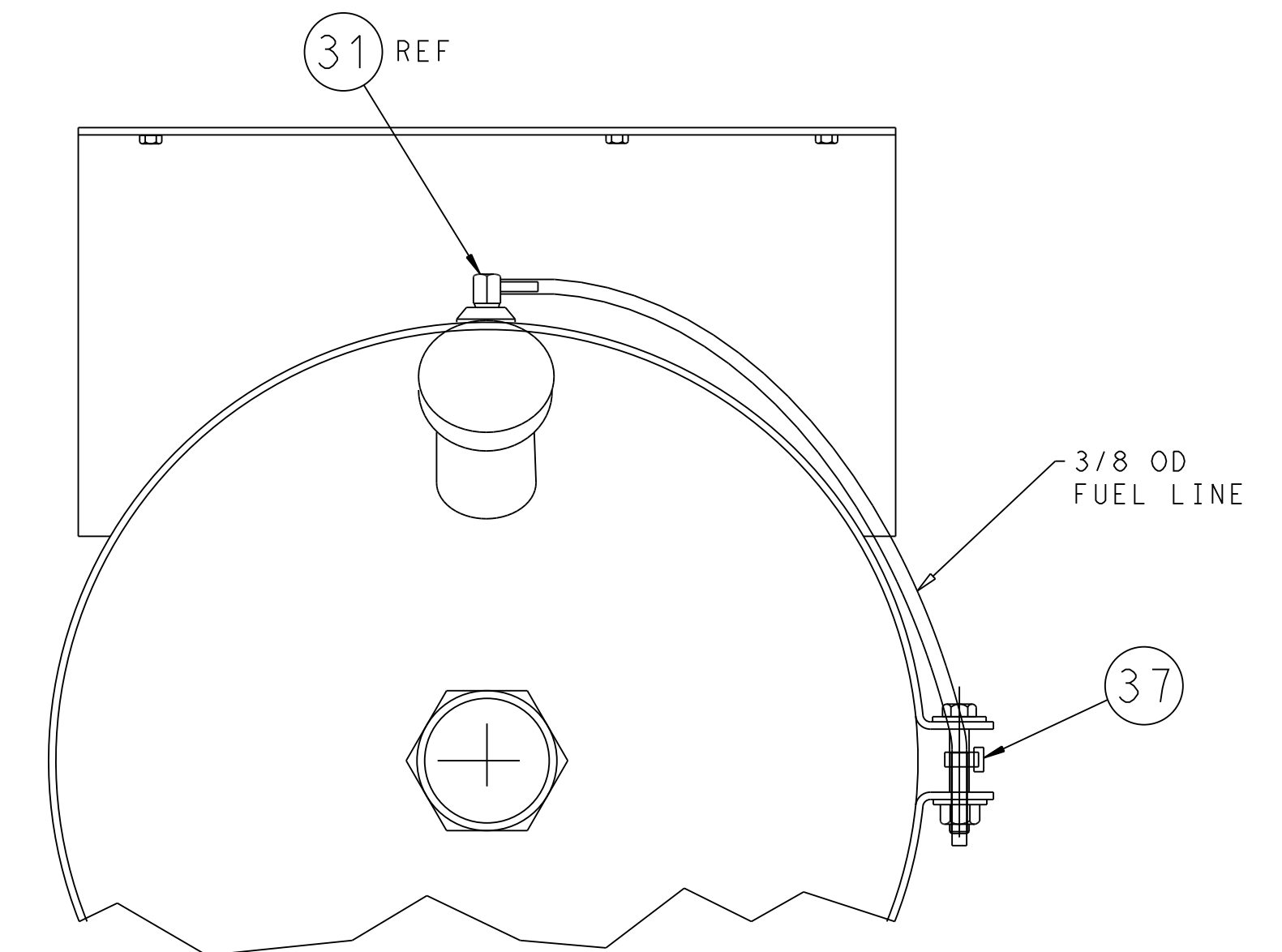
HANGER BRACKET DETAIL



30 GALLON TANK

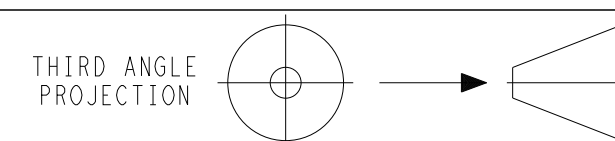


50 GALLON TANK



REAR OF TRAILER →
VENT ORIENTATION DETAIL
ORIENTATE FUEL TANK VENT BARBED FITTING
TO FACE TOWARDS REAR TRAILER DOOR.
CUT 18.00 INCHES OF 3/8 FUEL LINE AND
INSTALL ONTO VENT THEN ROUTE TO TANK STRAP
BOLT AND SECURE TO BOLT WITH WIRE TIE.

AJ	REPLACED IT. 23 & UPDATED TORQUE NOTE "25 FT-LBS" WAS "20 FT-LBS".	10 FEB 2020	LT-RP	JM		72N0333P19
AE	REDRAWN IN PRO/E. ADDED CALLOUTS IT.34 (6 PLCS) AND IT.24.	20 MAR 13	ZMG			72N0229P13
SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.



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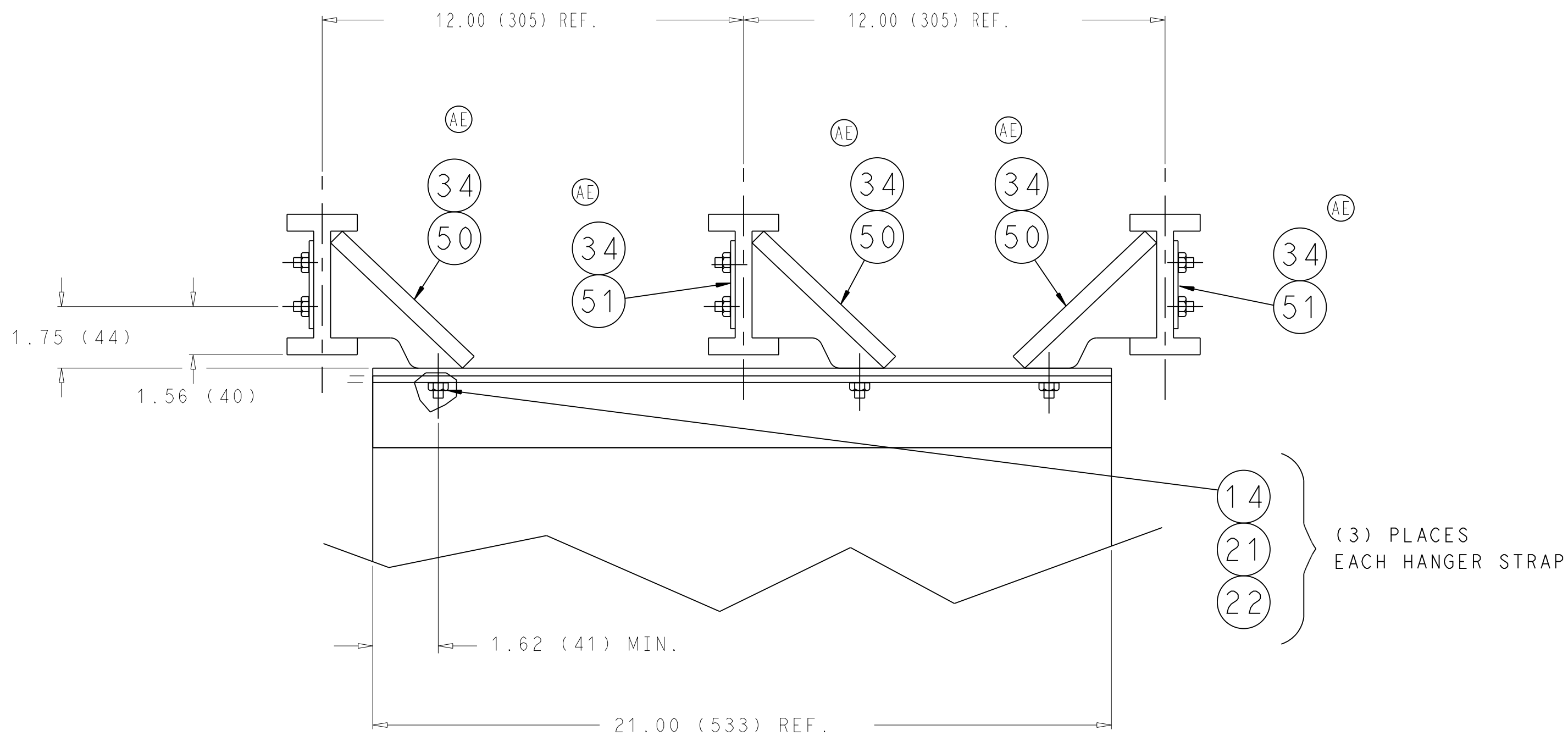
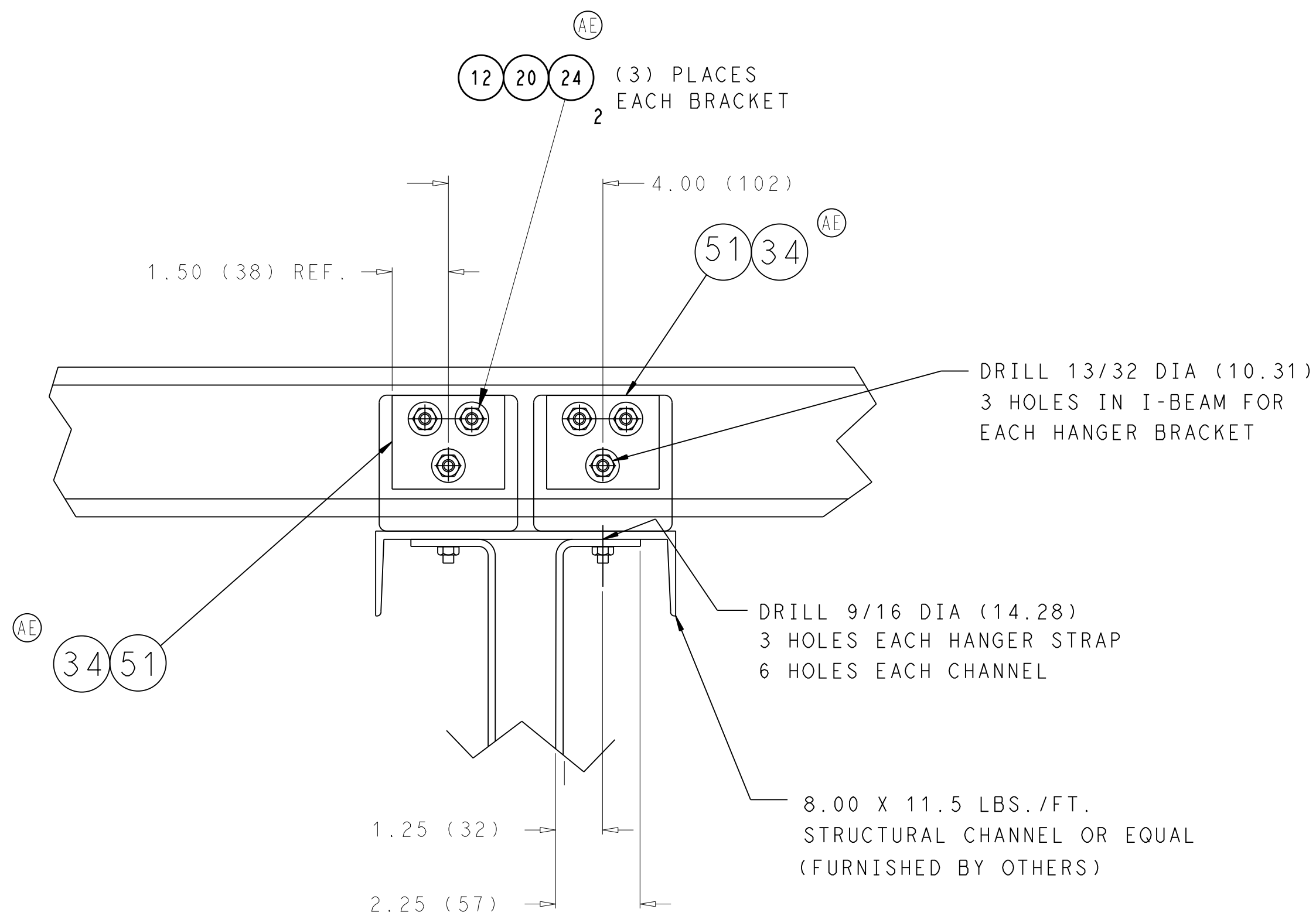
TITLE
INSTALLATION INSTRUCTIONS
22" DIA FUEL TANKS, 30, 50, 75, 100 & 120 GALLONS

DRAWING NO.	REV
98-02201	AJ
SHEET 6 OF	

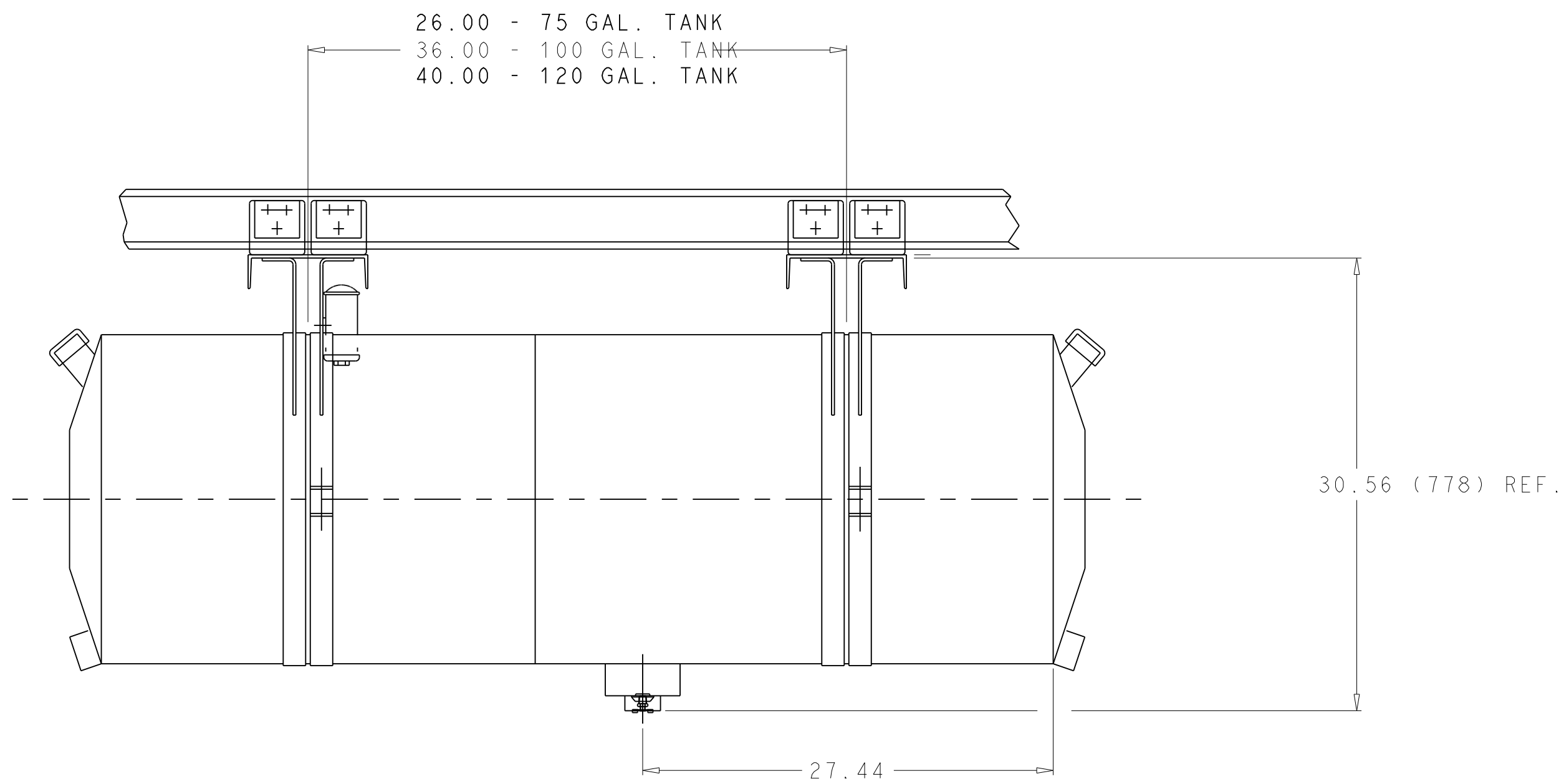
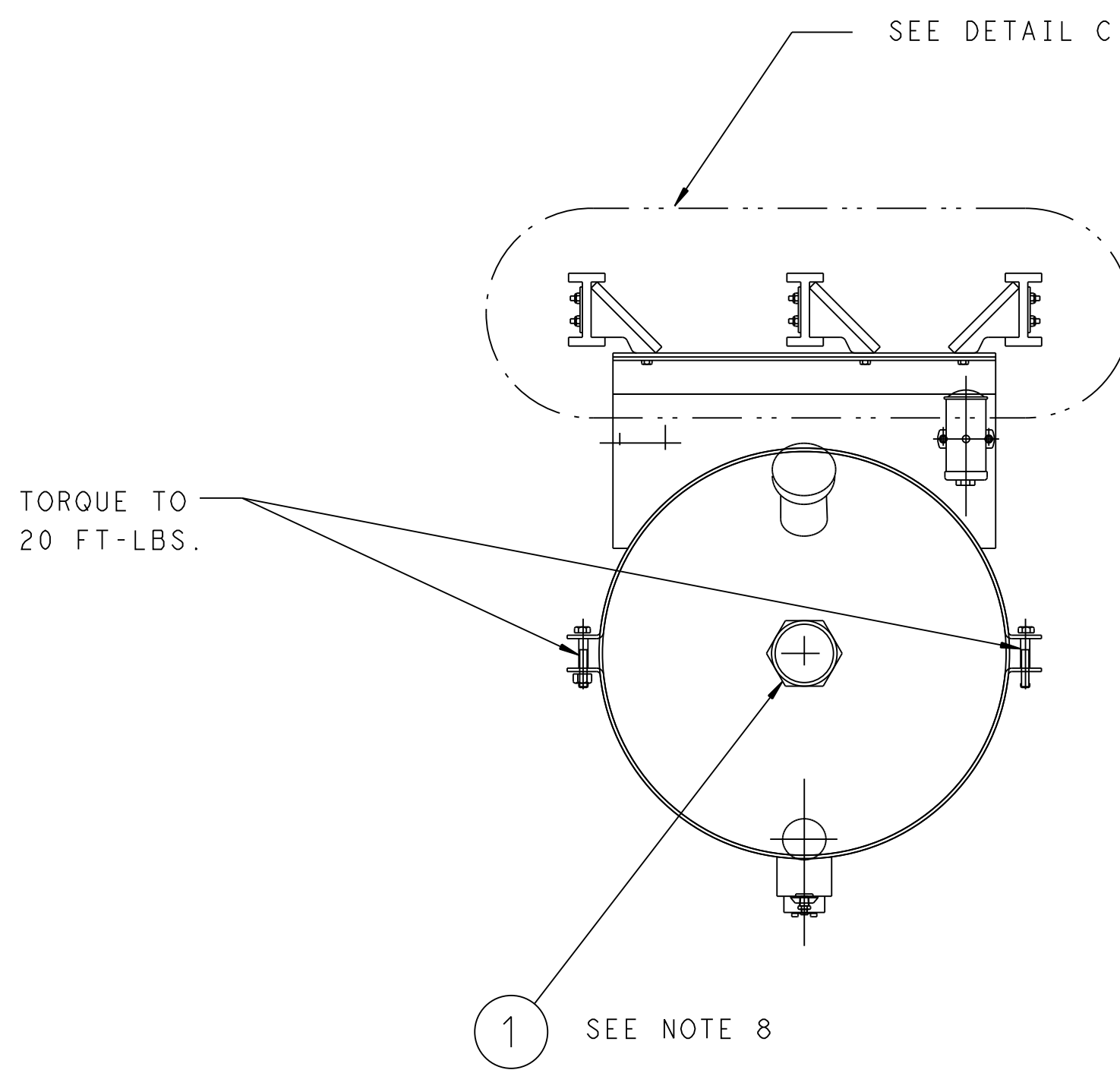
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PART CLASSIFICATION: US SEE CHART

DRAWING CLASSIFICATION: US EAR99



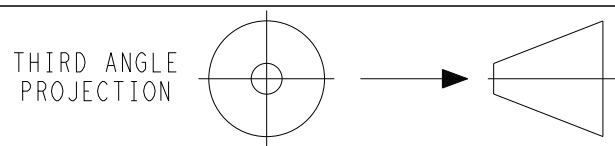
DETAIL C



VIEW FROM FRONT

75, 100 & 120 GALLON TANKS, SINGLE & DOUBLE FILL

AE	REDRAWN IN PRO/E. ADDED CALLOUTS IT.34 (7 PLCS) AND IT.24.	20 MAR 13	ZMG			72N0229P13
SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.



IMPERIAL INCH FORMAT:
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DIMENSIONS ARE IN INCHES WITH
METRIC CONVERSIONS IN [MILLIMETERS]

TITLE
INSTALLATION INSTRUCTIONS
22" DIA FUEL TANKS, 30, 50, 75, 100 & 120 GALLONS

DRAWING NO.	REV
98-02201	AE
SHEET 7 OF	

SUPERSEDES: _____

PART CLASSIFICATION: US SEE CHART