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FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885

FRANK L. BENNARDO
LICENSE
No 0046549
STATE OF FLORIDA
PROFESSIONAL ENGINEER
07/02/2024

FL

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This diagram shows a 3D exploded view of the container structure. The roof is composed of orange panels, and the side walls are made of pink panels. Two large blue doors are visible on the side. A large black grille is located on the right side of the container. Callouts 7, 8, 13, 14, and 15 point to specific components: 7 and 13 point to the top edge of the side panel; 8 and 14 point to the bottom edge of the side panel; and 15 points to the bottom edge of the black grille.

++ REFER TO KIT BILL OF MATERIALS IN SAP FOR PAINT COLOR
CODE SUFFIX FOR ALL PARTS WITH [++] DESIGNATION PER G-702
FOR MANUFACTURING USE ONLY

[illegible]

700-1000 KW
KPS / MOSEL ENCLOSURE

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REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (20-28106)	EWR	RWN	02/15/21
2023 FBC UPDATE	EPR	EPR	10/23/23
CHANGE COMPANY ADDRESS	MARH	EPR	06/21/24
-	-	-	-
-	-	-	-

NOTE: NTS UNLESS NOTED

02

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REV	DATE	DESCRIPTION	BY	DATE	DESCRIPTION
C	9-10-15	ON COMPOSITE DWG, SEE PART NO. FOR REVISION LEVEL PART MARKING AFFECTED: LATEL DRAWING REVISION (A-3) TOP VIEW ADDED; (C-5) NOTE ADDED (CT121036)	BT		UNLESS OTHERWISE SPECIFIED:- 1) DIMENSIONS ARE IN MILLIMETERS 2) DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE 3) HOLE PATTERN: 1. HOLE DIA. 10.0 2. HOLE DIA. 12.5 3. HOLE DIA. 15.0 4. HOLE DIA. 20.0 5. HOLE DIA. 25.0 6. HOLE DIA. 30.0 7. HOLE DIA. 35.0 8. HOLE DIA. 40.0 9. HOLE DIA. 45.0 10. HOLE DIA. 50.0 11. HOLE DIA. 55.0 12. HOLE DIA. 60.0 13. HOLE DIA. 65.0 14. HOLE DIA. 70.0 15. HOLE DIA. 75.0 16. HOLE DIA. 80.0 17. HOLE DIA. 85.0 18. HOLE DIA. 90.0 19. HOLE DIA. 95.0 20. HOLE DIA. 100.0 21. HOLE DIA. 105.0 22. HOLE DIA. 110.0 23. HOLE DIA. 115.0 24. HOLE DIA. 120.0 25. HOLE DIA. 125.0 26. HOLE DIA. 130.0 27. HOLE DIA. 135.0 28. HOLE DIA. 140.0 29. HOLE DIA. 145.0 30. HOLE DIA. 150.0 31. HOLE DIA. 155.0 32. HOLE DIA. 160.0 33. HOLE DIA. 165.0 34. HOLE DIA. 170.0 35. HOLE DIA. 175.0 36. HOLE DIA. 180.0 37. 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KD800-1000
SOUND LEVEL 2 ALUMINUM ENCLOSURE:
ENCLOSURE ASSEMBLY DRAWINGS & PARTS

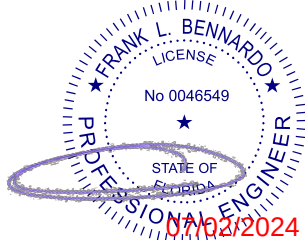
NOTE: LATEST KOHLER DRAWING EDITION INCLUDED IN THIS APPROVAL:

DRAWING: 114010035XX
REVISION (IF APPLICABLE) & DATE: REV "H", 03/18/19

SEE KOHLER DRAWING SEPARATELY. IMAGES INCLUDED AS SHOWN.
FOLLOW THE LIMITATIONS, CONDITIONS, AND SPECIFICATIONS HEREIN.

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885

JUNE 26, 2024



FL

FL 28906.3

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KD800-1000 SOUND LEVEL 2 ALUMINUM ENCLOSURE
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA)

REV	DATE	CHKD	DATE
1	02/15/21		
2	10/23/23		
3	06/21/24		
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23-68380

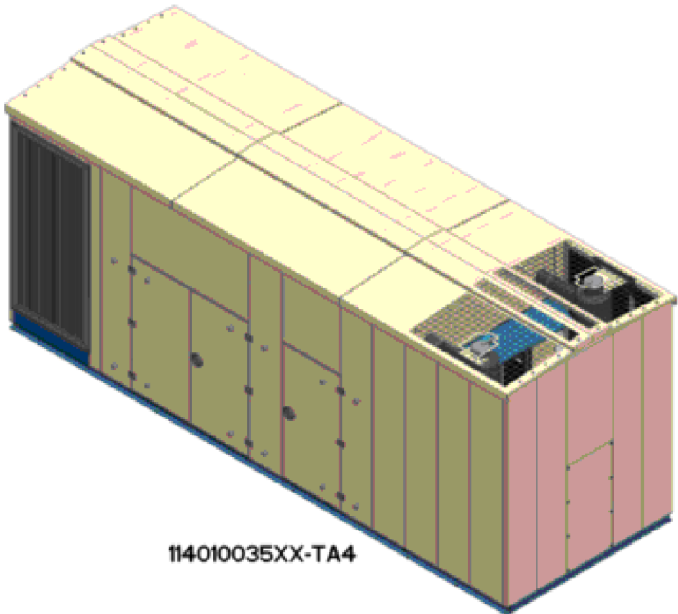
SCALE: NTS UNLESS NOTED

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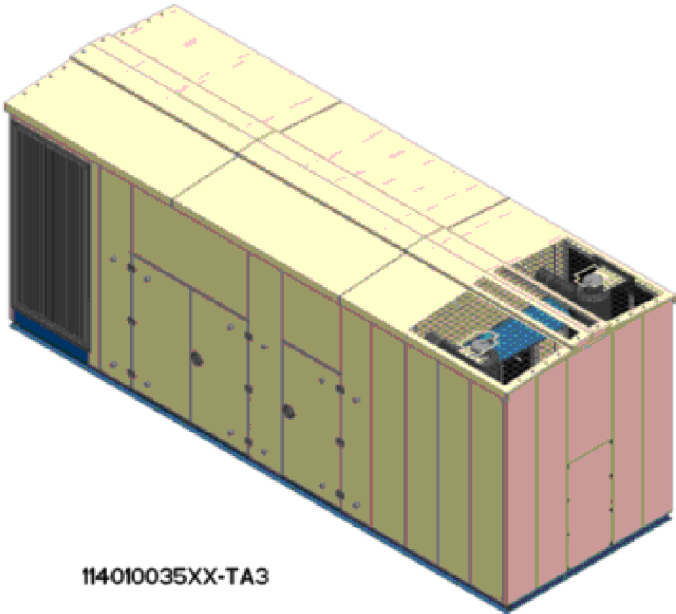
13

GROUP NO.	ITEM	PART NO	QTY	DESCRIPTION	COLOR DEPENDENT
114010035XX-TA8				ALUMINUM SL2 ENCLOSURE	+
	2	114010036XX-5	1	ENCLOSURE ASSY. 800-1000KW, SL2	++
	3	10901000908	1	TUBE, EXHAUST	
	4	10901001008	1	TUBE, EXHAUST	
	5	114050013XX	36	PLATE, HINGE MOUNTING	++
	6	114060011XX	4	DOOR ASSY, SGL	++
	7	11402002301-45	4	INSULATION, ACOUSTIC FOAM	
	8	114060014XX	2	DOOR ASSY, DBL	++
	9	11402002301-46	2	INSULATION, ACOUSTIC FOAM	
	10	10901000508	2	SILENCER, 6IN INLET & 6IN OUTLET	
	11	10901000608	2	SILENCER, 6IN INLET & 8IN OUTLET	
	12	10901000708	2	TUBE, CONNECTOR 6IN	
	15	11405000000	2	LOUVER/BAFFLE ASSY	
	16	10901003901	1	FLEX, INSULATION WRAP	
	17	10901004001	1	FLEX, INSULATION WRAP	
	18	GM101168-4	1	ASSEMBLY, DECAL (BLACK)	
	19	M6921-08020-60	12	SCREW, HEX FLANGE M8 X 20	
	20	M933-06010-60	12	SCREW, HEX CAP	
	21	M933-16050-60	8	SCREW, HEX CAP	
	22	M934-16-60	8	NUT, HEX	
	23	M965A-05016-SS	144	SCREW, FLAT HEAD MACHINE	
	24	SA10613	2	CAP, RAIN 8 IN	
	25	SA11939	6	SCREW, HEX HD, DRILL, 1/4-14 X 7/8"	
	26	X-22-13	6	WASHER, LOCK	
	27	M933-10030-60	12	SCREW, HEX CAP	
	28	X-25-15	16	WASHER, PLAIN, .656 ID X 1.312" OD	
	29	X-722-6	6	CLAMP, MUFFLER, 6.12 IN.	
	30	X-6351-7	144	NUT, FLANGE SERRATED LOCK, M5-0.8	
	31	GM79666	9	HINGE ASSY, LIFT-OFF RH	
	32	GM79667	9	HINGE ASSY, LIFT-OFF LH	
114010035XX-TA9				ALUMINUM SL2 ENCLOSURE, AQMD	+
	2	114010036XX-5	1	ENCLOSURE ASSY. 800-1000KW, SL2	++
	3	11402002301-45	4	INSULATION, ACOUSTIC FOAM	
	4	11402002301-46	2	INSULATION, ACOUSTIC FOAM	
	5	114050013XX	36	PLATE, HINGE MOUNTING	++
	6	114060011XX	4	DOOR ASSY, SGL	++
	8	114060014XX	2	DOOR ASSY, DBL	++
	15	11405000000	2	LOUVER/BAFFLE ASSY	
	18	GM101168-4	1	ASSEMBLY, DECAL (BLACK)	
	20	M933-06010-60	12	SCREW, HEX CAP	
	23	M965A-05016-SS	144	SCREW, FLAT HEAD MACHINE	
	25	SA11939	6	SCREW, HEX HD, DRILL, 1/4-14 X 7/8"	
	26	X-22-13	6	WASHER, LOCK	
	30	X-6351-7	144	NUT, FLANGE SERRATED LOCK, M5-0.8	
	31	GM79666	9	HINGE ASSY, LIFT-OFF RH	
	32	GM79667	9	HINGE ASSY, LIFT-OFF LH	

THIS IS AN AUTOMATED TABLE. ALL UPDATES MUST BE MADE
IN THE ASSEMBLY.



114010035XX-TA4



114010035XX-TA3

REV	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
-	3-22-17		NEW DRAWING (1)			
G	5-24-17		(D-8) 114010035XX-TA8: M933-10030-60 (12)			
			ADDED: SEE SHEET 1, 3 & 8 (CT11102)			
H	3-18-19		(C-8), (B-8) 114010035XX-TA8, -TA9:			
			GM101168-4 (1) WAS GM101168-2 (1) (CT192584)			
			APPROVALS DATE (M-D-Y)			
			DRWN CCL 3-22-17			
			CHKD BLM 3-22-17			
			APPRD BLM 3-22-17			

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SCALE: 0, 40

CAD NO.

DATE: 03/18/19

114010035XX

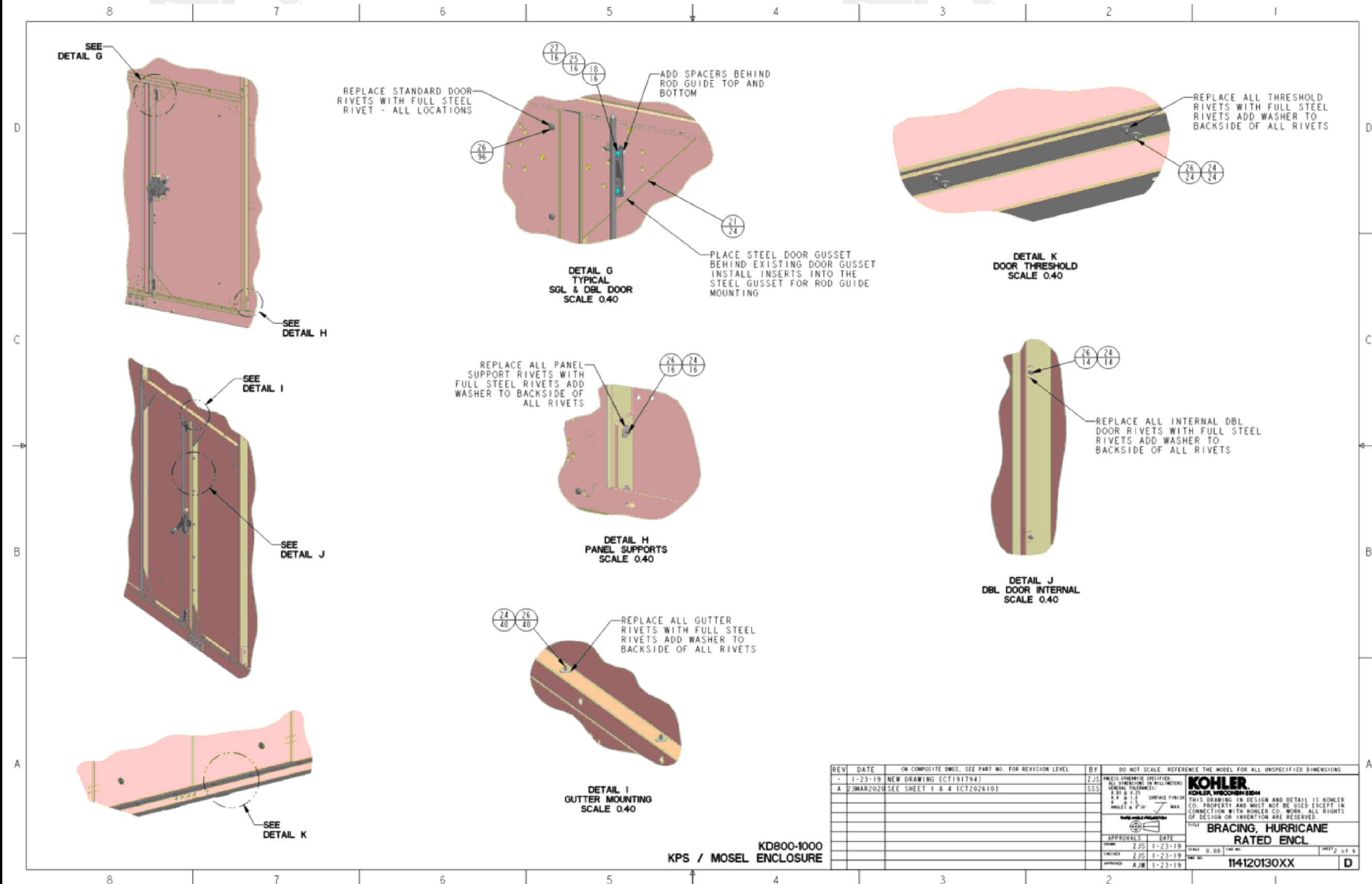
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KPS / MOSEL KD800-1000 ENCLOSURE

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KD800-1000
SOUND LEVEL 2 ALUMINUM ENCLOSURE:
TANKS, LIFTING BASE ATTACHMENT TO TANK

NOTE: LATEST KOHLER DRAWING EDITION INCLUDED IN THIS APPROVAL:

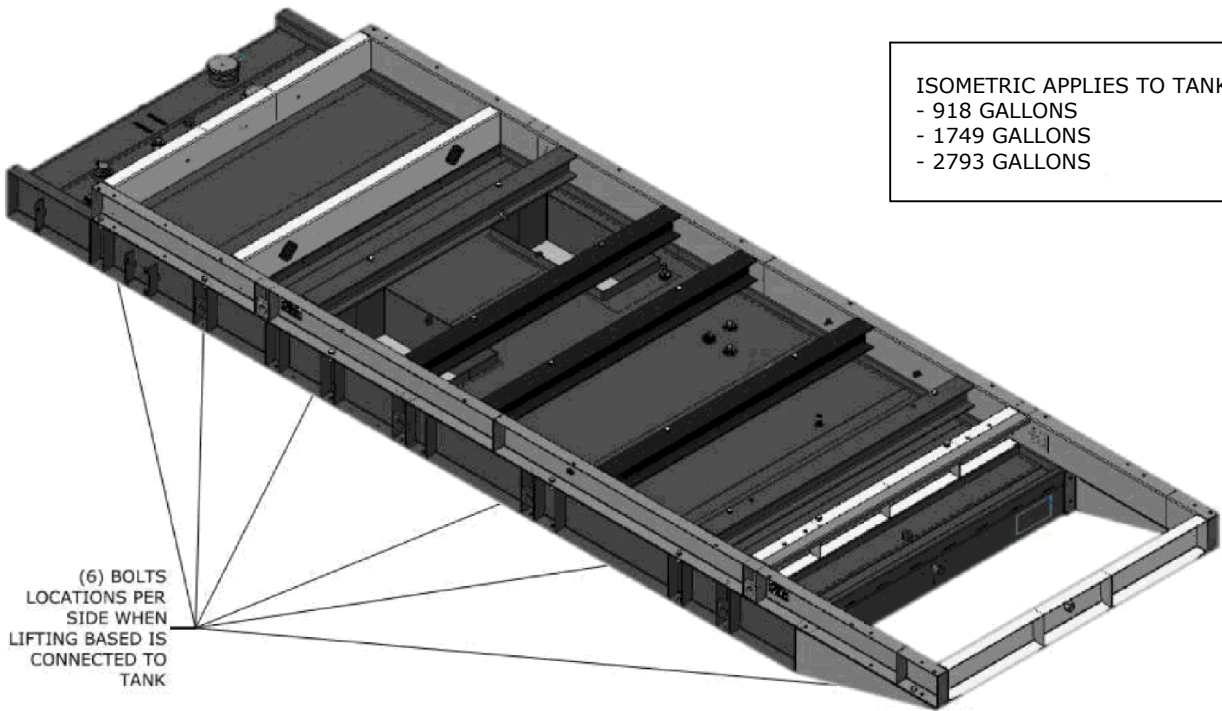
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REVISION (IF APPLICABLE) & DATE: REV "G", 05/02/23

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PE# 0046549 CA# 9885

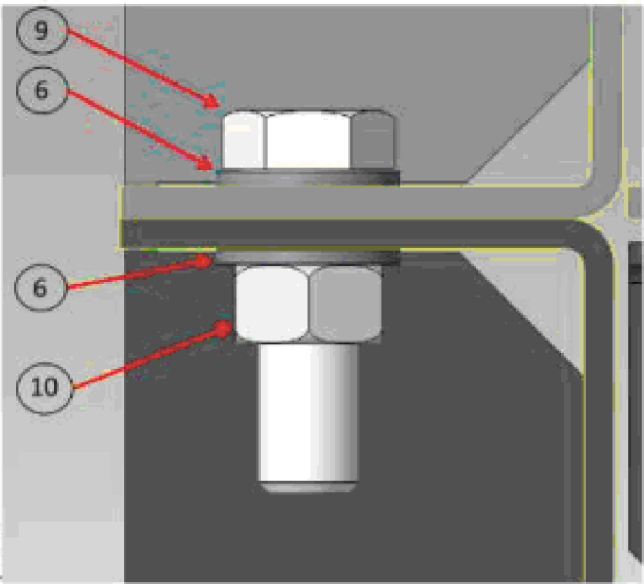
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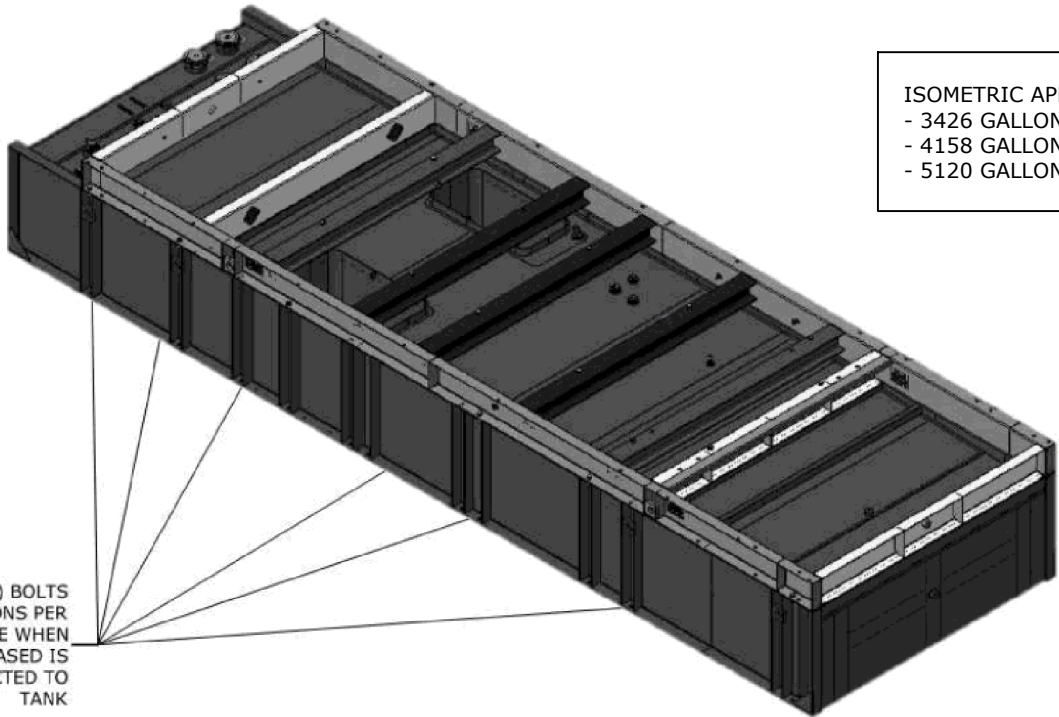


ISOMETRIC APPLIES TO TANKS:
- 918 GALLONS
- 1749 GALLONS
- 2793 GALLONS

1 918 GALLONS TANK & LIFTING BASE
11 SCALE: N.T.S ISOMETRIC



(6) M20 HEX HEAD CLASS 8.8
THRUBOLT WITH 37MM O.D.
WASHER TOP AND BOTTOM & 20MM
NUT CLASS 10, PER SIDE, TYP.



ISOMETRIC APPLIES TO TANKS:
- 3426 GALLONS
- 4158 GALLONS
- 5120 GALLONS

2 3426 GALLONS TANK & LIFTING BASE
11 SCALE: N.T.S ISOMETRIC

KIT NUMBER	No	PART NUMBER	QTY	DESCRIPTION
11302009100-KA3				HARDWARE, TANK INSTALLATION
	1	29800-00500	2.50FT	CONDUIT .500 BLACK 22IF (105C)
	2	239411	1	CONNECTOR, JACK, 4-POSITION
	3	241606	2.00	Terminal, socket, female, 18-26 AWG
	4	11607011200	1	STRAP, GROUND
	5	GM101775	1.00	HARNESS, FUEL TANK LIBERTE V12
	6	M125A-20-80	24	WASHER, PLAIN
	7	M6921-0806C-60	2	SCREW, HEX FLANGE
	8	M6923-08-80	2	NUT, HEX 8MM
	9	M931-20065-60	12	SCREW, HEX CAP
	10	M934-20-80	12	NUT, HEX
	11	SA11920	1.30FT	TAPE, ELECTRICAL (BLACK)
	12	X-22-14	4	WASHER, LOCK
	13	19010-08118	30.60FT	NEOPRENE, CLOSED CELL (1"W X 1/4"T)
	14	SA10897	50.10FT	FOAM, NEOPRENE (1/8" T X 2"W) W/ADHES VE

3 LIFTING BASE ATTACHMENT TO TANKS
11 SCALE: N.T.S

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(920) 457-4441

KD800-1000 SOUND LEVEL 2 ALUMINUM ENCLOSURE
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA)

REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (20-28106)	EWR	RWN	02/15/21
2023 FBC UPDATE	EPR	EPR	10/23/23
CHANGE COMPANY ADDRESS	MARH	EPR	06/21/24

23-68380

SCALE: NTS UNLESS NOTED

11 OF 13

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kd800, kd900, kd1000 sound level 2 aluminum enclosure kd800, kd900, kd1000 fl28906.3 - fl28906.3 - dwg3.dwg

LITERS (GALLONS) MIN HOURS	DIMENSION "J"	DIMENSION "K"	DIMENSION "L"	DIMENSION "M"
3475 [918] 12 HOURS	1750 [68.9]	1788 [70.4]	1162 [45.7]	1765 [69.5]
6621 [1749] 24 HOURS	1750 [68.9]	1788 [70.4]	1162 [45.7]	1765 [69.5]
10573 [2793] 48 HOURS	1750 [68.9]	1788 [70.4]	1162 [45.7]	1765 [69.5]

REV	DATE	ON COMPOSITE DWGS, SEE PART NO. FOR REVISION LEVEL	BY	DO NOT SCALE. REFERENCE THE MODEL FOR ALL UNSPECIFIED DIMENSIONS			
B	3-29-17	(A-2 THRU-7) DIM N THRU V ADDED; (A-8) TANK MOUNTING INFORMATION TABLE ADDED; SEE SHEET B & [CT172948]	KMP	UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN MILLIMETERS GENERAL TOLERANCES: N/A  KOHLER KOHLER, INC. ©2004 THIS DRAWING IS IN DESIGN AND DETAIL IS KOHLER CO. PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH KOHLER CO. WORK. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED. TITLE: DIMENSION PRINT KD800-1000 TANK & ENCLOSURE SCALE: 0.54 CAD NO.: SHEET 1 of 1 TRW NO.: ADV-8919			
C	7-24-17	SEE SHEET 1 & 3 [CT176858]	MVT				
D	13-12-17	SEE SHEET 5 [CT182350]	RVM				
E	4-22-19	(A-2) TOLERANCES REMOVED [CT194818]	SUD				
F	12JAN2021	(B-5, 4) "LIFT BASE...LOCATIONS" WAS "MOUNTING...LOCATIONS"; SEE SHEET 3 & 8 [CT207481]	ARP				
G	02MAY2023	SEE SHEET 5 [CT227188]	APM	APPROVALS	DATE		
				DESIGNED	RMJ	7-28-16	
				CHECKED	RMJ	7-28-16	
				APPROVED	BLM	7-28-16	

KD800-1000
SOUND LEVEL 2 ALUMINUM ENCLOSURE:
TANK MOUNTING LOCATIONS
(72 HOUR/5120 GALLON TANK)

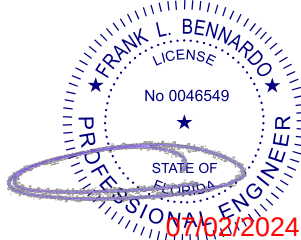
NOTE: LATEST KOHLER DRAWING EDITION INCLUDED IN THIS APPROVAL:

DRAWING: ADV-8919
REVISION (IF APPLICABLE) & DATE: REV "G", 05/02/23

SEE KOHLER DRAWING SEPARATELY. IMAGES INCLUDED AS SHOWN.
FOLLOW THE LIMITATIONS, CONDITIONS, AND SPECIFICATIONS HEREIN.

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885

JUNE 26, 2024



FL

FL 28906.3

DISCOVERY ENERGY, LLC

POSTAL ADDRESS:
2234 NORTH FEDERAL HWY # 7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

DISCOVERY ENERGY, LLC

200 TWIN OAKS ROAD
KOHLER, WI 53044
(920) 457-4441
KD800-1000 SOUND LEVEL 2 ALUMINUM ENCLOSURE
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA)

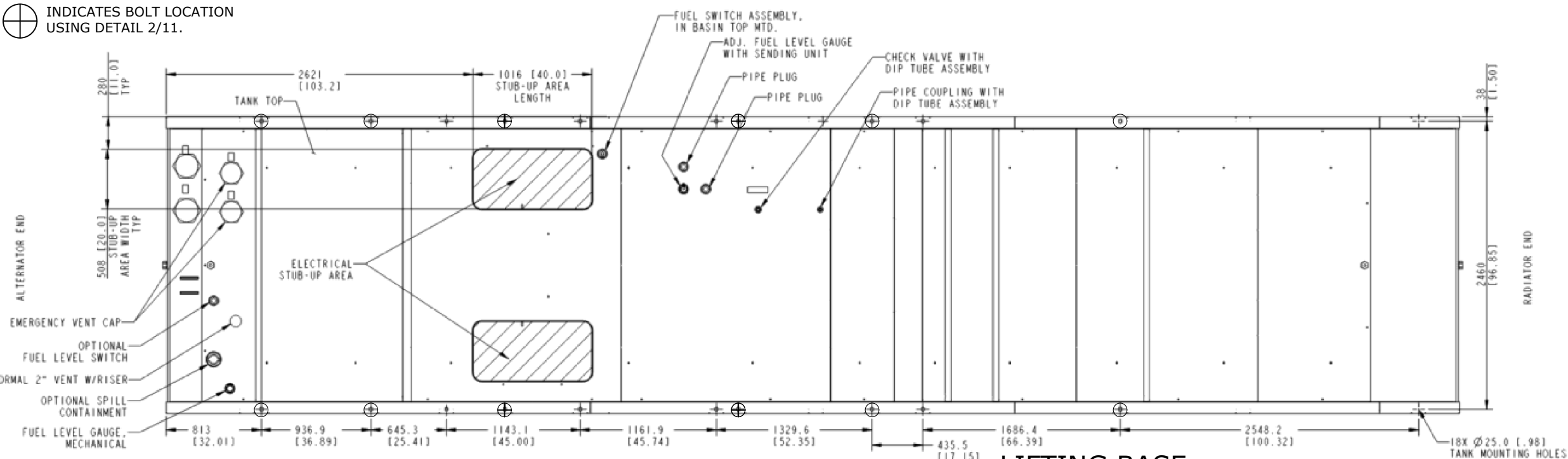
REV	DATE	BY	CHKD	DATE
1	02/15/21	EWR	RWN	02/15/21
2	10/23/23	EPR	EPR	10/23/23
3	06/21/24	MARH	EPR	06/21/24
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

23-68380

SCALE: NTS UNLESS NOTED

13

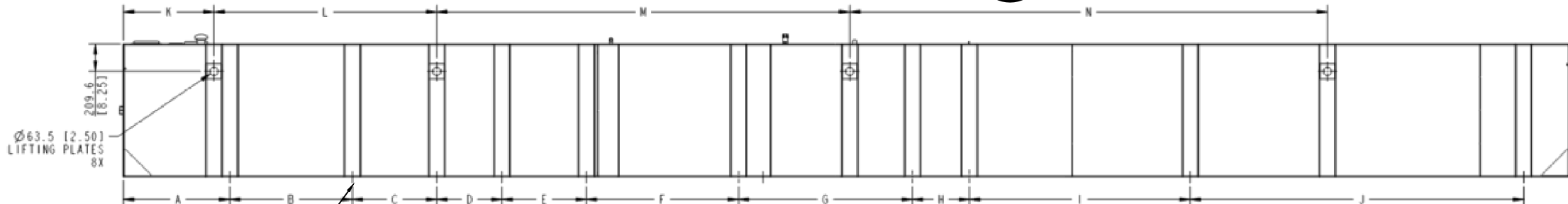
INDICATES BOLT LOCATION
USING DETAIL 2/11.



LIFTING BASE
MOUNTING LOCATION TO TANK

SCALE: N.T.S. ELEVATION

SCALE 0.06
LIFT BASE MOUNTING HOLE LOCATIONS
5120 GAL. 72 HOUR TANK SHOWN



TANK LIFTING HOLE LOCATIONS
5120 GAL. 72 HOUR TANK SHOWN
ALSO REFERING TANK:
3426 GAL. 48 HOURS &
4158 GAL. 72 HOURS

TANK
MOUNTING LOCATION TO HOST

SCALE: N.T.S. ELEVATION

(20~22) 3/4" Ø HILTI KWIK BOLT
TZ WITH 4-3/4" EMBEDMENT INTO
3,000 PSI MIN. CONCRETE WITH 8"
MIN EDGE DISTANCE, 8" CONCRETE
THICKNESS MINIMUM, TYP.

TANK LIFT PLATE INFORMATION				
LITERS [GALLONS] MIN HOURS	DIMENSION "K"	DIMENSION "L"	DIMENSION "M"	DIMENSION "N"
12969 [3426] 48 HOURS	813 [32.0]	937 [36.9]	4715 [185.6]	1565 [61.6]
15740 [4158] 72 HOURS	344 [13.5]	1527 [60.1]	4159 [163.7]	1714 [67.5]
19381 [5120] 72 HOURS	692 [27.25]	1703 [67]	3155 [124.2]	3650 [143.7]

TANK MOUNTING INFORMATION									
LITERS [GALLONS] MIN HOURS	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "F"	DIM "G"	DIM "H"	DIM "J"
12969 [3426] 48 HOURS	813 [32.0]	936.9 [36.89]	645.4 [25.41]	497.6 [19.59]	645.4 [25.41]	1161.9 [45.74]	1329.6 [52.35]	435.5 [17.15]	1564.8 [61.61]
15740 [4158] 72 HOURS	813 [32.0]	936.9 [36.89]	645.4 [25.41]	497.6 [19.59]	645.4 [25.41]	1161.9 [45.74]	1329.6 [52.35]	435.5 [17.15]	1757 [69.2]
19381 [5120] 72 HOURS	813 [32.0]	936.9 [36.89]	645.4 [25.41]	497.6 [19.59]	645.4 [25.41]	1161.9 [45.74]	1329.6 [52.35]	435.5 [17.15]	1686.4 [66.39]

REV	DATE	ON COMPOSITE DRGS, SEE PART NO. FOR REVISION LEVEL	BY	DO NOT SCALE. REFERENCE THE MODEL FOR ALL UNSPECIFIED DIMENSIONS
B	3-29-17	(B-2 THRU-7) DIM A THRU N ADDED; (A-B) TABLES FOR TANK MOUNTING & TANK LIFT PLATE INFORMATION ADDED; SEE SHEET 7 & 9 (CT172948)	KMP	UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS IN MILLIMETERS. GENERAL TOLERANCES: N/A
C	7-24-17	SEE SHEET 1 & 3 (CT174858)	MYT	
D	13-12-17	SEE SHEET 5 (CT182350)	RVM	
E	4-22-19	(A-2) TOLERANCES REMOVED (CT194818)	SUD	
F	12JAN2021	(B-5, 4) "LIFT BASE...LOCATIONS" WAS "MOUNTING...LOCATIONS"; SEE SHEET 3 & 7 (CT207481)	APN	
G	02MAY2023	SEE SHEET 5 (CT227188)	APN	

APPROVALS		DATE	
DRWN	RMJ	7-28-16	
CHKD	RMJ	7-28-16	
APP	BLM	7-28-16	

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ADV-8919

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