

UNITED RENTALS WEST POINT SITE PREP TASKS

STEP 1: INVENTORY SHIP LOOSE ITEMS
• REFERENCE GR0306 PRINT

SCR SKID
- GR0306 - PAGE 2
- THE FOLLOWING ITEMS WILL SHIP WITH SCR SKIDS



GX0291-A01



HD-AD54000A-1GA
- TANDEMLOC TWISTLOCK



GX0291-64
- SHIMS

NOTE: TORQUE BOLTS TO "GIRTZ DYNAMIC ASSEMBLY TORQUE" TABLE ON PAGE 16



TOP OF SCR VIEW

GP1812-A03 STRAPPED TO TOP OF SCR

PRINTS REFERENCE IN THIS DOCUMENT:

- GR0306
- GX0291-A01
- GX0291-A03
- UR-13247-2MW MOD
- UR-13247-WEST POINT SCR
- GP1812-A01
- GP1812-A02
- GP1812-A03
- GEL041275
- AERINOX MANUAL

ALL GIRTZ DRAWINGS ADHERE TO ASME 14.5M-1994 AND GIRTZ QMS-ES QUALITY STANDARDS 001, 002, 003			
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DRAWN BY DST	BEND TYPE: N/A	CUSTOMER REV. 00	
PART NUMBER		CUT OPERATION	
UR-13247-ASSEM INSTRUCTIONS		Purchased	

STEP 1 CONT:

20FT CONTAINER
- GR0306 - PAGE 1
- THE FOLLOWING ITEMS WILL SHIP IN THE 20FT CONTAINER

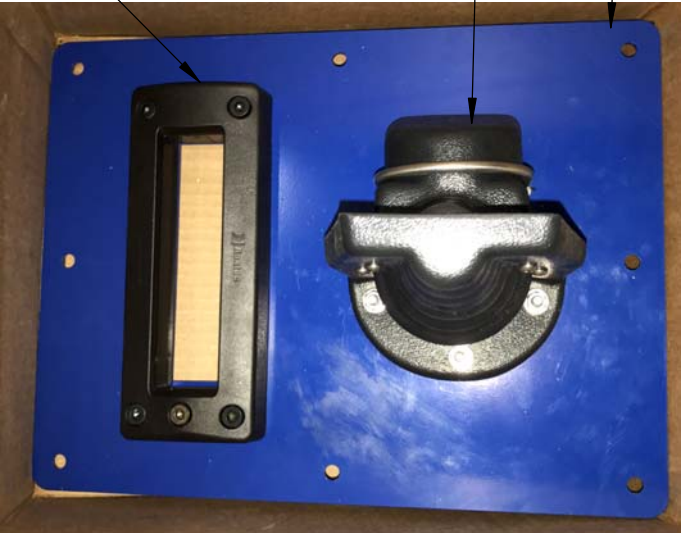


BULKHEAD ASSEMBLY COMPONENTS AND INSTRUCTIONS IN BAG

HD-7035K8
- LIQUID-TIGHT MULTI-DIAMETER CORD GRIP

HD-FAK-1
- SPLIT BULKHEAD ENTRY KIT FOR TUBING BUNDLES

GP1812-06
- BULKHEAD PLATE



MS-AERINOX-PRESSURE TMR
- PRESSURE TRANSMITTER



1/4" SS TUBING

GP1815-18
- PRESSURE TRANSMITTER BRACKET
- SHIPPED BOLTED TO SCR



HOSE-3205-0031
- COIL OF GATES 1/2" PREMO FLEX HOSE



MS-AERINOX-UREA INJECTOR
- UREA / AIR INJECTOR



MS-AERINOX-TC TMR
- THERMOCOUPLE WITH TRANSMITTER

MS-AERINOX-NOX BOX
- NOX BOX



GP1815-10
- NOX BOX BRACKET
- SHIPPED BOLTED TO SCR

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ANGULAR DIM ± 1°

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PART NUMBER			CUT OPERATION
UR-13247-ASSEM INSTRUCTIONS			Purchased

STEP 1 CONT:

GEL01551
- 75FT OF J1939 CAN
WIRE W/ WIRE LABELS



MS-SE-2F1-40-3-ATP-035
- DEF AND HEAT TRACE LINE



CONTROL PANEL KEYS

EL-1/2 LTC.CONDUIT
- LIQUID TIGHT STRAIGHT FITTING



MS-E4X-1-H
- TUBE TRACE THERMOSTAT



GEL01556
- 800FT OF 18/2 TRAY
CABLE WITH WIRE LABELS



LIQUID TIGHT FITTINGS

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UR-13247-ASSEM INSTRUCTIONS		Purchased	

STEP 1 CONT: UNIT IDENTIFICATION

UNIT IDENTIFICATION

GENERATOR 1

- SHORE POWER SIDE OF 20FT CONTAINER
- TRAILER CHASSIS VIN 5V8CY48B1HM710013
- SCR 313727
- (GIRTZ JOB 42248 FOR REFERENCE ONLY)

GENERATOR 2

- MAN DOOR SIDE OF 20FT CONTAINER
- TRAILER CHASSIS VIN 5V8CY48B7HM710033
- SCR 313728
- (GIRTZ JOB 42341 FOR REFERENCE ONLY)



2MW IDENTIFICATION TIED TO DOOR HANDLE

SCR IDENTIFICATION TAG



20FT CONTAINER BULKHEADS IDENTIFICATION TAGS

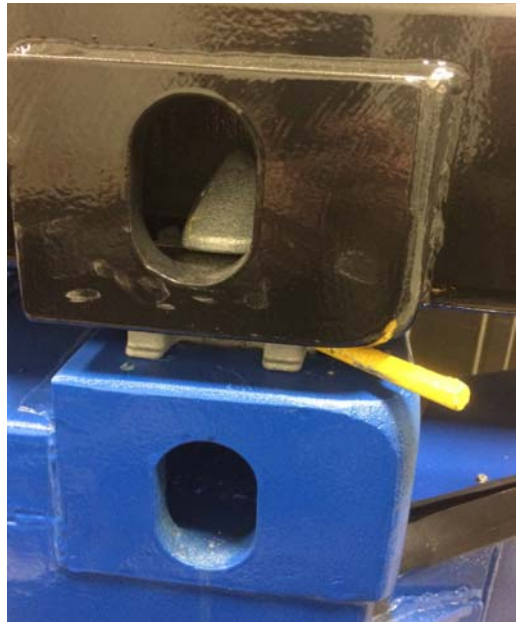
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PART NUMBER			CUT OPERATION
UR-13247-ASSEM INSTRUCTIONS			Purchased

- STEP 3:** MOUNT SCR SKIDS ON POWER MODULES
- REFERENCE THE FOLLOWING PRINTS FOR RIGGING AND ASSEMBLY DETAIL:
 - GX0291-A01
 - GX0291-A03
 - UR-13247-2MW MOD
 - MATCH IDENTIFICATION TAGS ON 2MW UNITS AND SCR (REFERENCE SHEET 4)



- STEP 3A:** USE 2X HD-AD54000A-1GA TANDEMLOC TWISTLOCKS IN THE REAR CORNER CASTING OF 2MW UNIT
- NOTE: SCR SKID EXTENDS APPROXIMATELY 41.5" PAST REAR OF 2MW

- STEP 3B:** SHIM SCR SKID ON THE REMAINING 4 MOUNTING FOOT LOCATIONS TO MATCH HEIGHT OF TANDEMOC TWISTLOCK



USE 5X GX0291-64 SHIMS PER BOLTING FOOT



- STEP 3C:** BOLT EXHAUST ELBOWS TO 2MW
- RE-USE BOLTS HOLDING SHIPPING COVER ON ROOF OF 2MW UNITS

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PART NUMBER		CUT OPERATION	
UR-13247-ASSEM INSTRUCTIONS		Purchased	

STEP 4: POSITION ALL (3) CONTAINERS
• REFERENCE UR-13247-WEST
POINT SCR PAGE 1 PRINT

GENERATOR 2
ON "MAN DOOR" SIDE OF 20FT CONTAINER

- GENSET 2: L160134320
- ENGINE 2: 33208420
- GENERATOR END 2: X16J443715
- CONTAINER 2: K16G042341



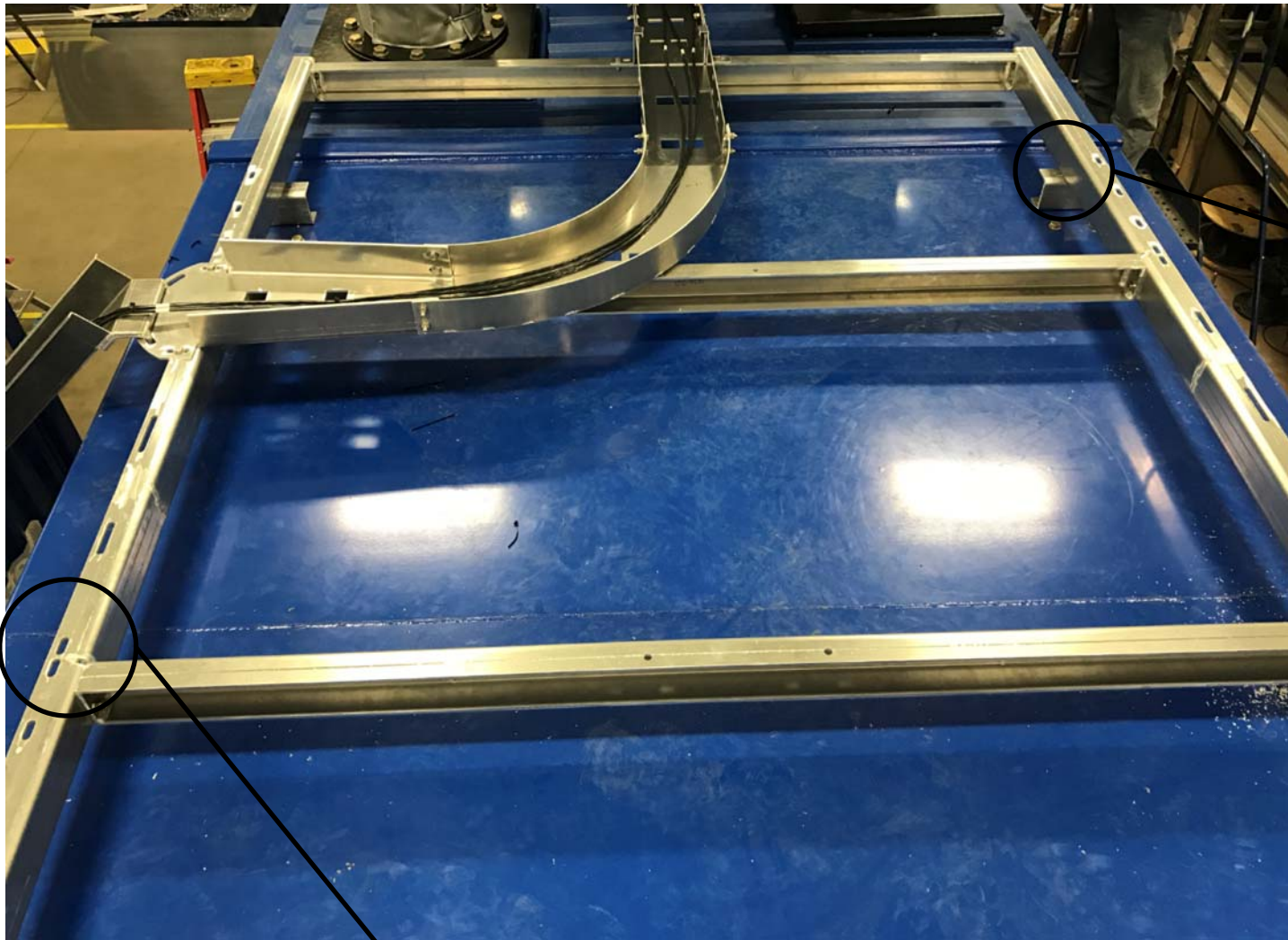
GENERATOR 1
ON "SHORE POWER" SIDE OF 20FT
CONTAINER

- GENSET 1: K160119884
- ENGINE 1: 33208189
- GENERATOR END 1: X16G295711
- CONTAINER 1: H16G042248

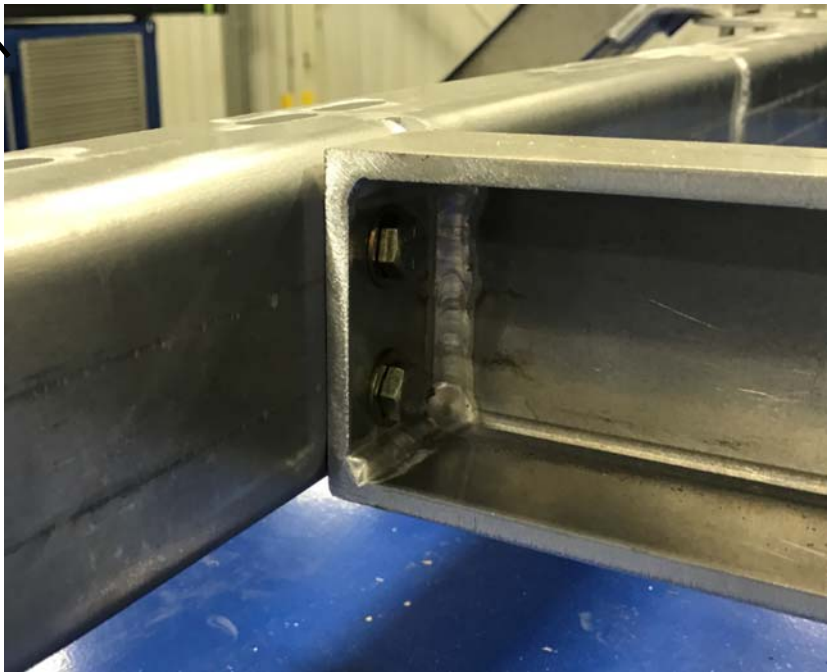


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PART NUMBER		CUT OPERATION	
UR-13247-ASSEM INSTRUCTIONS		Purchased	

- STEP 5: INSTALL CABLE TRAY SUPPORT STAND
- REMOVE CABLE TRAY SUPPORT STAND FROM TOP OF SCR AND ASSEMBLY ON ROOF OF 2MW UNITS.
 - REFERENCE GP1812-A03



DETAIL VIEW



DETAIL VIEW

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PART NUMBER			CUT OPERATION		
UR-13247-ASSEM INSTRUCTIONS			Purchased		

- STEP 6: INSTALL CABLE TRAY
- REFERENCE THE FOLLOWING PRINTS
 - GP1812-A01
 - GP1812-A02
 - UR-13247-WEST POINT SCR PAGE 3

STEP 6A: ASSEMBLE CABLE TRAY ON TOP OF 2MW ROOF



BOLT LOOSE CABLE TRAY
PIECE TO PRE-INSTALLED
TRAY PIECE ON SCR SKID



ADJUST LENGTH OF CABLE
TRAY AS NECESSARY



DETAIL VIEW



DETAIL VIEW

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PART NUMBER			CUT OPERATION
UR-13247-ASSEM INSTRUCTIONS			Purchased

STEP 6B: BOLT GP1812-07 PIVOT
PLATE TO 20FT CONTAINER BULKHEAD



REPLACE SHIPPING
COVER WITH GP1812-06
BULKHEAD PLATE


STEP 6C: RUN ADJUSTABLE CABLE TRAY RAMP FROM 20FT CONTAINER BULKHEAD FRAME TO TOP OF 2MW UNIT



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PART NUMBER			CUT OPERATION
UR-13247-ASSEM INSTRUCTIONS			Purchased

STEP 7: RUN AIR AND DEF LINES
• REFERENCE AERINOX MANUAL

DEF LINE WITH HEAT TRACE IS RUN THROUGH PLASTIC BOOT HD-FAK-1. CUT BOOT TO APPROPRIATE DIAMETER. SEE ASSEMBLY INSTRUCTIONS SHIPPED WITH HD-FAK-1



AIR LINE IS RUN THROUGH MULTI DIAMETER CORD GRIP HD-7035K8. SEE ASSEMBLY INSTRUCTIONS SHIPPED WITH HD-7035K8

MS-AERINOX-UREA INJECTOR
- UREA / AIR INJECTOR

PICTURE SHOWN HERE IS FOR REFERENCE ONLY. MUST INCLUDE WIRE TERMINATION KIT PETK-1D LOCATED IN 20FT CONTAINER

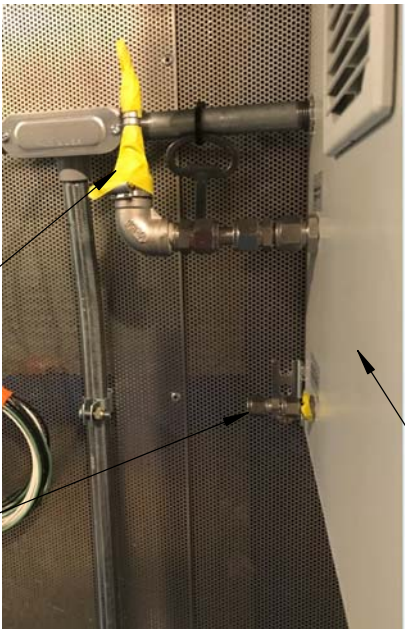
MS-SE-2F1-40-3-ATP-035
- DEF AND HEAT TRACE LINE



HOSE-3205-0031
- AIR LINE

AIR LINE
CONTROL PANEL
CONNECTION

DEF LINE
CONTROL PANEL
CONNECTION



MOUNT UREA /
AIR INJECTOR IN
THIS LOCATION

CONTROL PANEL



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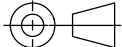
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PART NUMBER CUT OPERATION

UR-13247-ASSEM INSTRUCTIONS

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STEP 8: INSTALL SENSORS

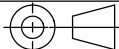
- REFERENCE PRINT UR-13247-WEST POINT SCR PAGE 2

STEP 8B: TEMPERATURE PROBE



STEP 8A: PRESSURE SENSOR



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STEP 8C: NOX BOX



REMOVE SCREW FROM SCR
FRAME AND USE TO ATTACH NOX
BOX BRACKET TO TOP OF SCR

GP1815-10
- NOX BOX BRACKET

GP1815-09
-WASHER

SUPPORT PROBE FROM
BRACKET WITH WIRE

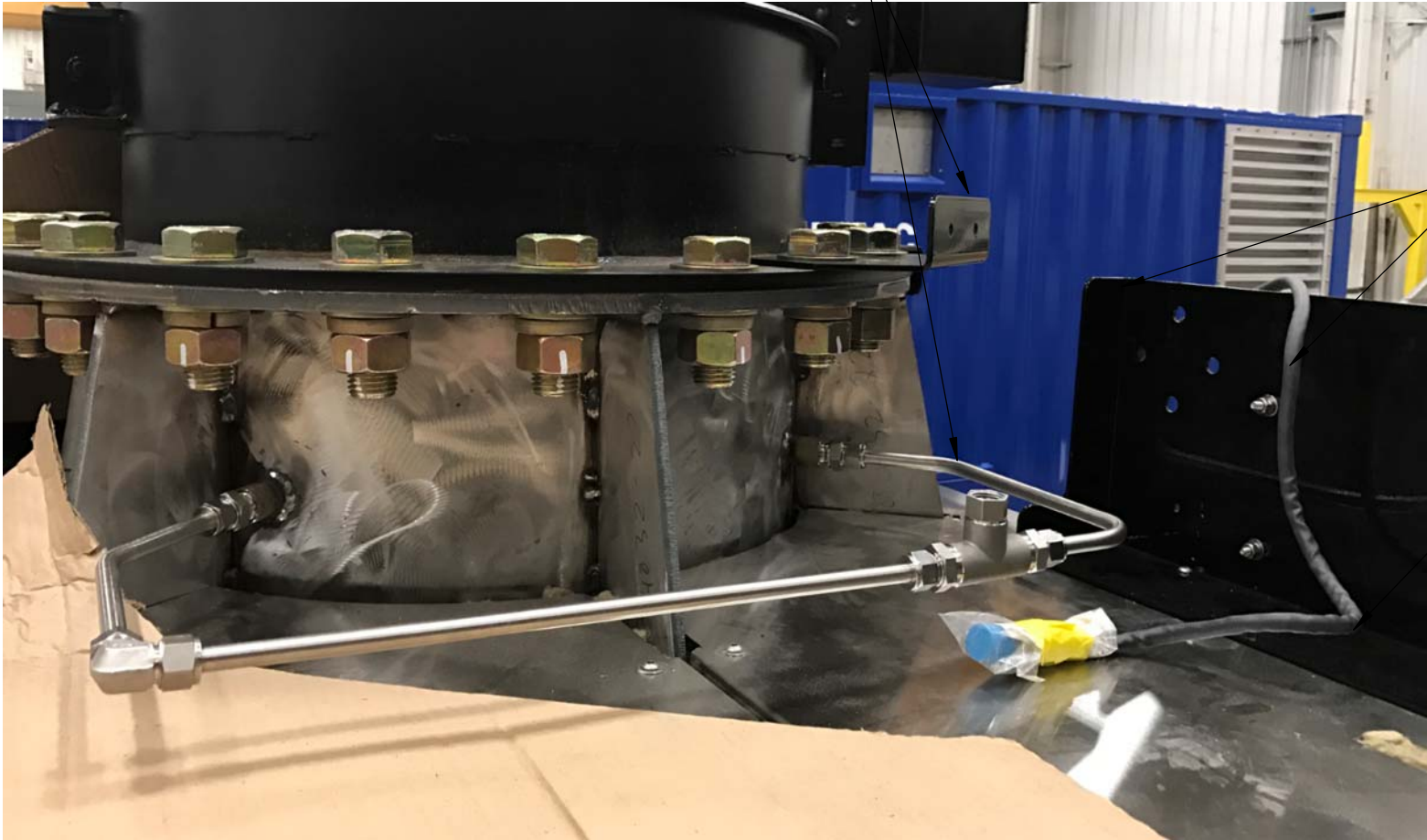


MOUNTING SCREW
LOCATED IN THIS AREA

MS-AERINOX-NOX BOX
- NOX BOX

- ZIP TIE NOX BOX SENSOR WIRE TO BRACKET
- CAUTION: KEEP WIRE OFF OF SCR EXTERIOR

NOX BOX PROBE



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PART NUMBER					CUT OPERATION
UR-13247-ASSEM INSTRUCTIONS					Purchased

STEP 9: RUN SENSOR WIRING

RUN SENSOR WIRING GEL01556 AND GEL01551 THROUGH CONDUIT



- SENSOR WIRING GEL01556 AND GEL01551 TO BE RUN INTO CONTAINER THROUGH BULKHEAD CORDGRIP. CUT GEL01556 TO LENGTH WITH EXTRA 10FT (MEASURED FROM BULKHEAD CORDGRIP) HANGING INSIDE CONTAINER. AERINOX TO TERMINATE AT CONTROL PANEL.
- USE HEAT SHRINK WIRE LABELS PROVIDED EVERY 10FT



ATTACH SENSOR WIRING GEL01556 AND GEL01551 TO P-CLIPS ON MOUNTING ANGLE

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UR-13247-ASSEM INSTRUCTIONS		Purchased	

STEP 10: MOUNT DEF HEAT TRACE THERMOSTAT

- REFERENCE PRINT GEL041275 PAGE 2
- QTY 2 TOTAL (1 FOR EACH CONTROL PANEL)



MS-E4X-1-H
- HEAT TRACE THERMOSTAT
- SHOWN IN APPROXIMATE LOCATION

STEP 11: TERMINATE HEAT TRACE LINES AT THERMOSTATS

- REFERENCE PRINT GEL041275 PAGE 2
- USE SUPPLIED LIQUID TIGHT AND FITTINGS AS NECESSARY

• THERMOSTAT MOUNTED INTERIOR OF UNIT

• TEMPERATURE PROBE MOUNTED EXTERIOR OF UNIT

STEP 12: RUN WIRING FROM POWER MODULE WATT TRANSDUCERS

- REFERENCE PRINT GEL041275 PAGE 8
- THESE ARE THE CABLES REFERENCED IN STEP #2
- 3 CABLES PER POWER MODULE
- RUN IN CABLE TRAY THROUGH CONTAINER BULKHEAD CORD GRIP
- DO NOT TERMINATE IN AERINOX CONTROL PANEL. AERINOX TO TERMINATE



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GIRTZ DYNAMIC ASSEMBLY TORQUE

	GRADE 2		GRADE 5		GRADE 8		GRADE 8		18-8 STAINLESS	
					STANDARD		LOW			
DIAMETER- THREADS/IN	DRY FT*LB (IN*LB)	NOT DRY FT*LB (IN*LB)	DRY FT*LB (IN*LB)	NOT DRY FT*LB (IN*LB)	DRY FT*LB (IN*LB)	NOT DRY FT*LB (IN*LB)	DRY FT*LB (IN*LB)	NOT DRY FT*LB (IN*LB)	DRY FT*LB (IN*LB)	NOT DRY FT*LB (IN*LB)
#4									(5)	(4)
#6									(10)	(7)
#8									(20)	(14)
#10									(23)	(16)
M6-1					9	6	4	3		
1/4-20	4	3	6	4	9	6	4	3	6	4
1/4-28	5	4	7	5					8	6
5/16-18	8	6	13	9	18	13	10	7	11	8
5/16-24	9	6	14	10					12	8
M8-1.25					21	15	11	8		
3/8-16	15	11	23	16	35	25	18	13	20	14
3/8-24	17	12	26	18					22	15
M10-1.5					41	29	22	15		
7/16-14	24	17	37	26	52	36	29	20	31	22
7/16-20	27	19	41	29					33	23
M12-1.75					74	52	37	26		
1/2-13	37	26	57	40	77	54	44	31	43	30
1/2-20	41	29	64	45					45	32
M14-2					118	83	59	41		
9/16-12	53	37	82	57	118	83	63	44	57	40
9/16-18	59	41	91	64					63	44
5/8-11	73	51	112	78	158	111	85	60	93	65
5/8-18	83	58	128	90					104	73
M16-2					177	124	92	64		
3/4-10	125	88	200	140	273	191	147	103	128	90
3/4-16	138	97	223	156					124	87
M20-2.5					339	237	184	129		
7/8-9	129	90	322	225	457	320	240	168	194	136
7/8-14	144	101	355	249					193	135
M24-3					590	413	313	219		
1-8	188	132	483	338	663	464	369	258	287	201
1-14	210	147	541	379					289	202
1 1/8-7					958	671	516	361		
1 1/8-12										
M30-3.5					1179	825	626	438		
1 1/4-7					1326	928	737	516		
1 1/4-12										
1 3/8-6					1768	1238	958	671		
1 3/8-12										
M36-4					1990	1393	1105	774		
1 1/2-6					2284	1599	1252	876		
1 1/2-12										

ALL GIRTZ DRAWINGS ADHERE TO ASME 14.5M-1994
AND GIRTZ QMS-ES QUALITY STANDARDS 001, 002, 003

ALL TOLERANCES ARE AS BELOW UNLESS OTHERWISE SHOWN.

<10' ± 1/8"
10' - 20' ± 3/16"
20' - 60' ± 1/4"
ALL HOLES UNDER Ø1.000 ± .003"
ANGULAR DIM ± 1°



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An asterisk (*) in the bill of material signifies a manually edited field that will not auto-update on next revision

 Drawing uses 3rd angle projection, unless noted

DESCRIPTION UNITED WEST POINT ASSEMBLY INSTRUCTIONS					
MATERIAL	Purchased			SCALE:	1:10
DESIGN BY	DST	PAGE	16 OF 16	DATE	2/23/2017
DRAWN BY	DST	BEND TYPE:	N/A	CUSTOMER REV.	00
PART NUMBER				CUT OPERATION	
UR-13247-ASSEM INSTRUCTIONS				Purchased	