Project

HYDROGEN READY POWER PLANT

Customer

GREENFIELD SOUTH POWER INC.

Applique

GAS TURB. S/N: 299735 / IPS1615904

GEN S/N: GG10870 / 761x090

IP Classification: GE Non-Public- (Class II)			Export Classification: NLR
GE Project Document Number: 1615904.GT.11.INSC.A042-MDC-151			GE Project Doc Revision: B
GE Project Document Description: Installation Document, Exhaust System			
GE Project Document Type: Installation drawings			Distribution List: 1615904_inc_dl
GE VERNOVA	Remarks 1		
	GE Document Number: 124T0410	GE Document Revision: C	Disposal Code: FOR EXECUTION
	GE Document Title: EXHAUST DIFFUSER GENERAL ASSEMBLY		

Revision History			
Rev	Description	Date (YYYY-MM-DD)	Approved
C	LEGEND 1) REVISED 2) ADDED 3) DELETED	2023-11-23	DRAWN BASHA ENGINEER MOHAMMED JAVEED

NOTES :

1. FOR INFORMATION ONLY, QUANTITIES WILL BE CALCULATED BY THE SUPPLIER.
2. ALL DIMENSIONS ARE IN INCHES [MM] UNLESS OTHERWISE SPECIFIED.
3. SUPPLIER SHALL PROVIDE/SHIP AN ADDITIONAL 10% QUANTITY OF HARDWARE (SUCH AS NUTS, BOLTS, WASHERS, ETC.)TO THE FIELD.
4. EXPANSION JOINT CYCLIC MOVEMENTS 1.00 [25.4] COMPRESSION .50 [12.7] EXTENSION. IN ADDITION TO THE ABOVE CYCLIC MOVEMENTS THE EXPANSION JOINT IS CAPABLE OF ACCOMODATING THE FOLLOWING ADDITIONAL INSTALLATION MISALIGNMENTS BETWEEN THE AFT DIFFUSER AND DOWNSTREAM DUCT FLANGES. AXIAL MISALIGNMENT: 1.00 [25.4] IN THE JOINT COMPRESSION DIRECTION .50 [12.7] IN THE JOINT EXTENSION DIRECTION. LATERAL MISALIGNMENT: .50 [12.7] BETWEEN THE DIFFUSER AFT FLANGE AND THE DOWNSTREAM DUCT FLANGE IN THE LATERAL DIRECTION (PERPENDICULAR TO FLOW DIRECTION)SEE ERECTION DRAWINGS FOR INSTRUCTIONS ON VERIFICATION OF INSTALLATION MISALIGNMENT LIMITS.
5. CLEAN ALL FIELD WELDED AREAS INCLUDING SEAL WELDS (TO REMOVE SPATTER, SCALE, SLAG, OXIDE AND CHARGED PAINT) AND OTHER DAMAGED AREAS AS PER SSPC-SP11 (POWER TOOL CLEANING TO BASE METAL). ADJACENT "SOUND PAINT" AREAS SHALL HAVE (PROVIDED BY PLANT INSTALLER) SPRAY APPLIED AND BLENDED INTO SURROUNDING "SOUND PAINT", PRIME TOUCH UP PAINT AS PER MANUFACTURING SPECIFICATION SHEETS. ACHIEVE A DRY FILM THICKNESS (DFT) OF 2.5M/S. DFT SHALL BE MEASURED IN ACCORDING WITH THE SSPC-PA2.
6. CLEAN ALL DAMAGED AREAS ON GALVANIZED ITEMS PER SSPC-SP2 (HAND TOOL CLEANING). TOUCH-UP PER ASTM A780 USING COLD GALVANIZATION FROM COMPOUND SPRAY CANS. (PROVIDED BY PLANT INSTALLER).
7. DIMENSIONS DERIVED USING CHINESE STRUCTUAL MEMBERS.
8. TADPOLE CLAMP BAR NUTS TORQUE INSTRUCTIONS: STUDS MUST BE LUBRICATED WITH ANTI SEIZE COMPOUND BEFORE TORQUING. TORQUE ALL NUTS ON A CLOCKWISE DIRECTION TO 30 TO 35 FT-LBS [41-48 N-M]. PERFORM THIS STEP TWICE. ONCE ALL NUTS HAVE BEEN TIGHTEN, USE A WRENCH TO HOLD FIRST NUT AND PREVENT IT FROM ROTATING. INSTALL AND TORQUE SECOND NUT TO 35 FT-LBS [48 N-M].
9. PFA ADHESIVE SHALL BE SHIPPED TO FIELD BY SUPPLIER AND AS PER GE SPECIFICATION 389A4240.
10. BACKING FABRIC SHALL BE SHIPPED TO FIELD BY SUPPLIER AND AS PER GE SPECIFICATION 389A4292.
11. PROTECTIVE COATING FOR LINER SHEETS PER GE SPECIFICATION 389A4333.
12. FIT PIECE AND TORQUE HARDWARE BEFORE WELDING.
13. TORQUE FLEXSEAL HARDWARE 75 TO 80 FT-LBS [102-109 N-M] AFTER 3 TO 5 GAS TURBINE STARTS RETORQUE TO 75 TO 85 FT-LBS [102-115 N-M] AND TACK WELD NUTS. STUD MUST BE LUBRICATED WITH ANTI SEIZE COMPOUND BEFORE TORQUING.
14. ALL EXTERNAL FIELD INSTALLED BOLTING HARDWARE SHALL BE HOT DIP GALVANIZED AS PER ASTM A153 CLASS C.
15. STRUCTURAL CONNECTIONS TO BE FULLY TIGHTENED ASTM A325M HIGH STRENGTH BOLTS WITH (2) HARDENED WASHERS INSTALLED IN ACCORDANCE WITH AISC-AMERICAN INSTITUTE OF STEEL CONSTRUCTION (LATEST VERSION). DUCT CONNECTIONS TO BE ASTM A325M HIGH STRENGTH BOLTS WITH (2) HARDENED WASHERS. ALL STRUCTURAL STEEL BOLTS SHALL BE FULLY TENSIONED USING THE "TURN-OF -THE-NUT" METHOD AS OUTLINED IN RESEARCH CONCIL ON STRUCTURAL CONNECTIONS PUBLICATION SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLT. SECTION 8.2.1
16. ALL ANGLE STEEL SHALL BE GB9787.
17. ALL CHANNEL STEEL SHALL BE GB707.
18. ALL EXTERNAL SURFACES OF THE EXHAUST SYSTEM SHALL BE PAINTED WITH HIGH TEMPERATURE SILICON ALUMINUM PAINT IMMEDIATELY AFTER FINAL INSTALLATION PER GE SPECIFICATION P6C-AG31. PAINT IS TO BE SUPPLIED BY PLANT DESIGNER/INSTALLER. THE THE AO42 SUPPORT STEEL IS NOT REQUIRED TO BE PAINTED HIGH TEMPERATURE SILICON ALUMINUM PAINT.
19. FOR 124T0410G001 - PAINTING APPLICATION AND SURFACE PREPARATION OF SUB ASSEMBLIES TO BE AS PER 389A4331P100 & 110.
    FOR 124T0410G101 - DESIGN IS SAME AS G001 EXCEPT PAINTING AND SURFACE PREPARATION TO BE AS PER FIELD FINISH PAINT SYSTEM "F" IN 222T0108.
    FOR 124T0410G201 - DESIGN IS SAME AS G001 EXCEPT PAINTING AND SURFACE PREPARATION TO BE AS PER SHOP FINISH PAINT SYSTEM "G" IN 222T0108.

C1

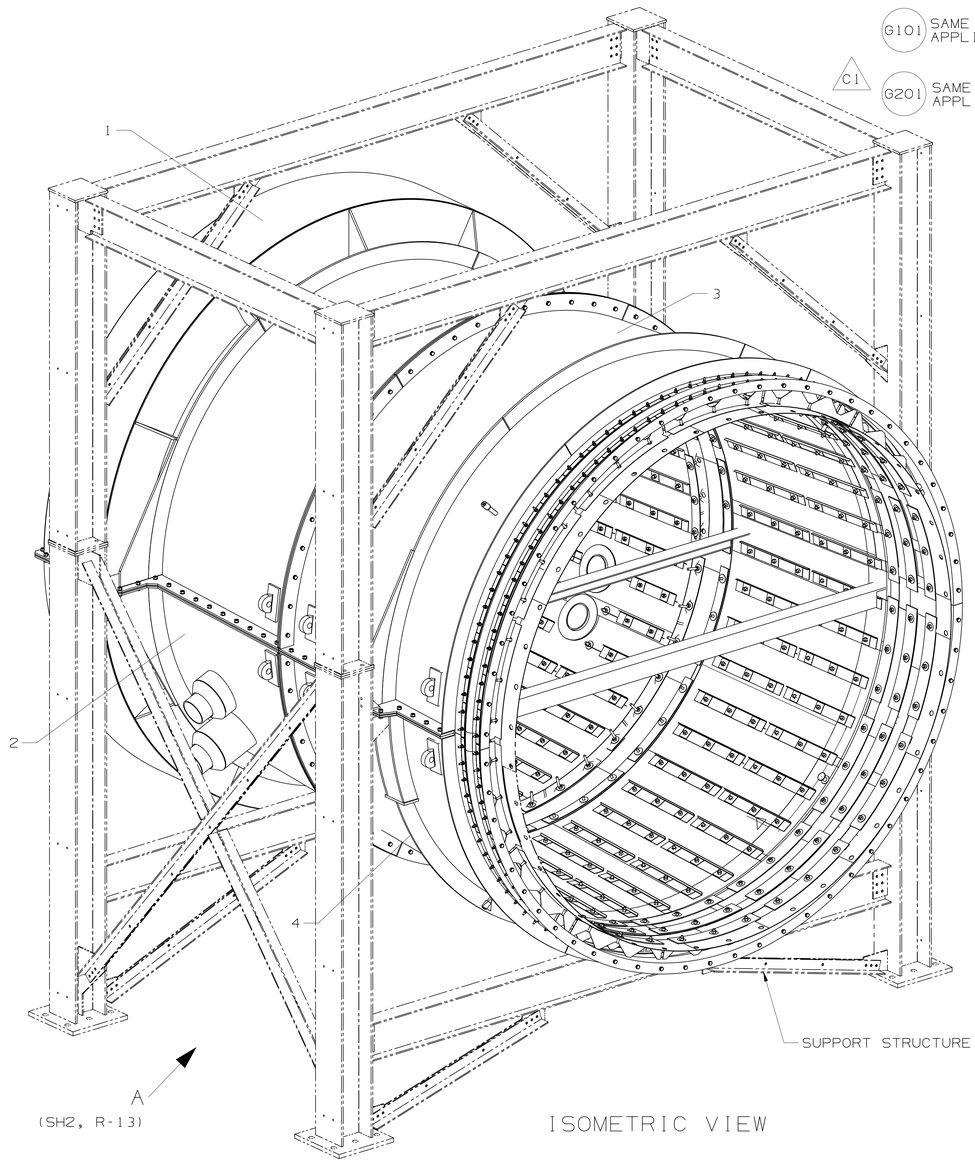
G001 FLANGE BOLTING HARDWARE SUPPLIED BY CONNECTING FLANGE SUPPLIER

G101 SAME AS G001 EXCEPT NOTE 19 IS APPLICABLE INSTEAD OF NOTE 18

C1

G201 SAME AS G001 EXCEPT NOTE 19 IS APPLICABLE INSTEAD OF NOTE 18

REP.	QTY SEE NOTE 1	DESCRIPTION INCH [MM]	DRAWING NO.
1	1	TOP FORWARD HALF DUCT	124T0430
2	1	BOTTOM FORWARD HALF DUCT	124T0443
3	1	TOP AFT HALF DUCT	123E1044
4	1	BOTTOM AFT HALF DUCT	123E1045
5	6	ALIGNMENT TOOL	146E2870
6	0.50FT² [0.05M²]	BACKING FABRIC AREA 12.00 [304.8] X 6.00 [152.4]	389A4292
7	1	SINGLE BULB FLAT TADPOLE GASKET	365A3216P001
8	0.50FT² [0.05M²]	PFA ADHESIVE AREA 12.00 [304.8] X 6.00 [152.4]	389A4240
9	2	EXPANSION JOINT HRSG FILED LINER 6 HOLE	124T0914P009
10	12	EXPANSION JOINT HRSG FILED LINER 8 HOLE	124T0914P010
11	14	CIRCUMFERENTIAL SPLICE LINER	124T0914P011
12	4	CIRCUMFERENTIAL SPLICE HOLD DOWN BAR	124T0914P012
13	2	DUCT EXPANSION JOINT FIELD LINER 4 HOLE HORIZONTAL SPLICE	124T0914P013
14	1	FLAT FOLDED AND STITCHED TAPE GASKET	365A3216P002
15	92.83FT³ [2.6M³]	INSULATION	365A4115
16	2	NOSE FIELD LINER	124T0914P016
17	2	AFT INNER TROUGH FIELD LINER	124T0914P017
18	2	AFT OUTER TROUGH FIELD LINER	124T0914P018
19	2	BOTTOM TROUGH FIELD LINER	124T0914P019
20	4	BOTTOM TROUGH SPLICE CLAMP BAR	124T0914P020
21	4	AFT OUTER TROUGH SPLICE CLAMP BAR	124T0914P021
22	4	AFT INNER TROUGH SPLICE CALMP BAR	124T0914P022
23	4	NOSE TROUGH SPLICE CLAMP BAR	124T0914P023
24	2	EXPANSION JOINT HRSG FIELD LINER 4 HOLE HORIZONTAL	124T0914P008
25	2	STRAIGHT NOSE PIECE FIELD INSTALLED	124T0914P024
26	2	AFT FIELD LINER	124T0914P025
27	2	FORWARD FIELD LINER	124T0914P026
28	2	EXPANSION JOINT LINER 2 HOLE	124T0914P027
29	2	TRANSITION LINER	124T0914P028
30	16	TROUGH ROUND WASHER M20	124T0914P040
31	2	INSIDE CLAMP BAR FIELD INSTALLED	124T0914P030
32	2	SPACER FIELD INSTALLED	124T0914P031
33	2	MIDDLE CLAMP BAR LARGE	124T0914P032
34	2	OUTSIDE CLAMP BAR FIELD INSTALLED	124T0914P033
35	6	OUTER TADPOLE CLAMP BAR SMALL	124T0914P034
36	6	OUTER TADPOLE CLAMP BAR LARGE	124T0914P035
37	2	FLOATING LINER FIELD INSTALLED	124T0914P036
38	2	FORWARD TROUGH LINER FIELD INSTALLED	124T0914P014
39	2	LINER RETURN FIELD INSTALLED	124T0914P015
40	42	"C" CLIP	124T0914P037
41	1	FORWARD SHEAR KEY SIDE PLATE	124T0914P001
42	1	FORWARD SHEAR KEY	124T0914P003
43	1	AFT SHEAR KEY	124T0914P002
44	2	CASING RETURN FIELD PIECE	124T0914P004
45	12	ROUND WASHERS	124T0914P005
46	2	TADPOLE ROUND WASHER M12	124T0914P029
47	8	CLAMP BAR ROUND WASHER	124T0914P007
48	16	HEXAGON NUT	ASTM A194M GRADE 8C M20, HEIGHT .74 [8.7]
49	204	HEXAGON NUT	ASTM A194M GRADE 8 M20, HEIGHT .74 [8.7]
50	124	HEXAGON NUT	ASTM A563M GRADE 10S, NUT TAPPED OVERSIZED M20, HEIGHT .74 [8.7]
51	248	WASHER	ASTM F436M TYPE1 M20, THICKNESS .12 [3.0]
52	124	HEXAGON BOLT	ASTM A325M TYPE1 M20, LENGTH 3.15 [80.0] 100% THREADED
53	252	HEXAGON NUT	ASTM A194M GRADE GRADE 8 M12, HEIGHT .48 [12.2]
54	2	HEXAGON BOLT ON CASING RETURN FIELD PIECE	124T0914P006
55	2	FLOATING LINER SMALL	124T0914P038
56	8	FLOATING LINER LARGE	124T0914P039
57	50	FLEX SEAL	146E1062P001
58	25	FLEX SEAL	146E1062P002
59	75	HEXAGON BOLT M16, LENGTH 2.76 [70.0]	146E1062P003
60	75	"A" CLIP	146E1062P004
61	1	BACKING BAR	146E1062P005
62	7	BACKING BAR	146E1062P006
63	75	M16 WASHER THICKNESS 0.12 [3.0]	146E1062P007
64	75	HEXAGON NUT M16, HEIGHT 0.63 [15.9]	146E1062P008
65	1	750°F [400°C] IRON	100T3630P001
66	154.00FT [47.0M]	STAINLESS STEEL WIRE Ø0.039 [1.0]	ASTM A580/A580M TYPE 304 STAINLESS STEEL

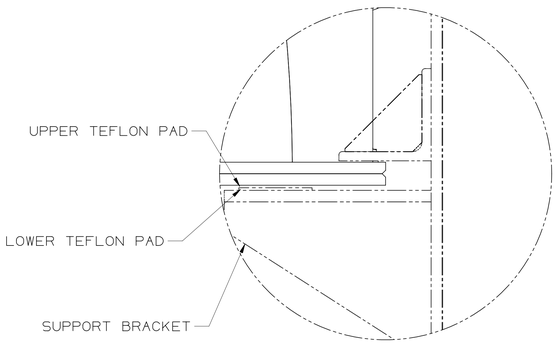


ISOMETRIC VIEW

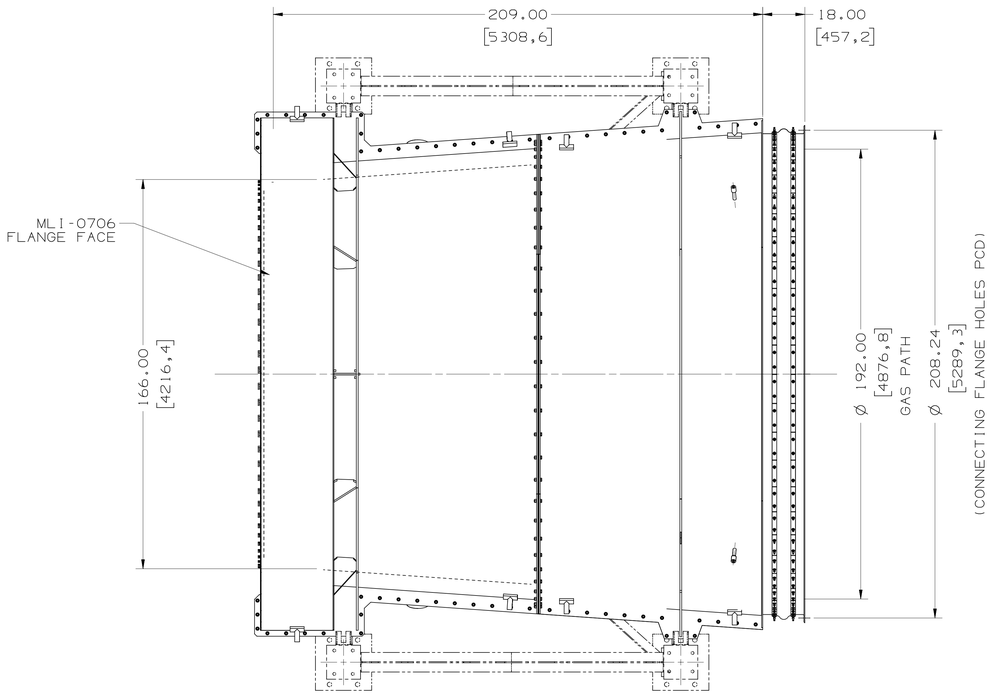
		389A4331P475	
		389A4331P472	
		389A4331P466	
3	GENERAL APPLIED PRACTICE	389A4331P463	
		389A4331P460	
		389A4331P457	P
		389A4331P454	
2	TOLERANCE APPLIED PRACTICE	389A4331P330	
		389A4331P320	
1	WLD APPLIED PRACTICE	389A4331P200	
IT.	NOMENCLATURE	IDENT	
LIST OF COMPLEMENTARY DOCUMENTS			

NLR

Similar To: 102T7787	Created By: ROBERT FORREST		MLI A042
First Made For: ML-7K1WFA1-13	Approved By: SEE PLM		IEC61355 NO. NONE
THIRD ANGLE PROJECTION	GE VERNOVA	Document Type: DETAIL	Sheet Size E
		Document Title: EXHAUST DIFFUSER GENERAL ASSEMBLY	
Creation Date (YYYY-MM-DD) 2016-11-04	Drawing Number: 124T0410	Revision C	Sheet 1 OF 11

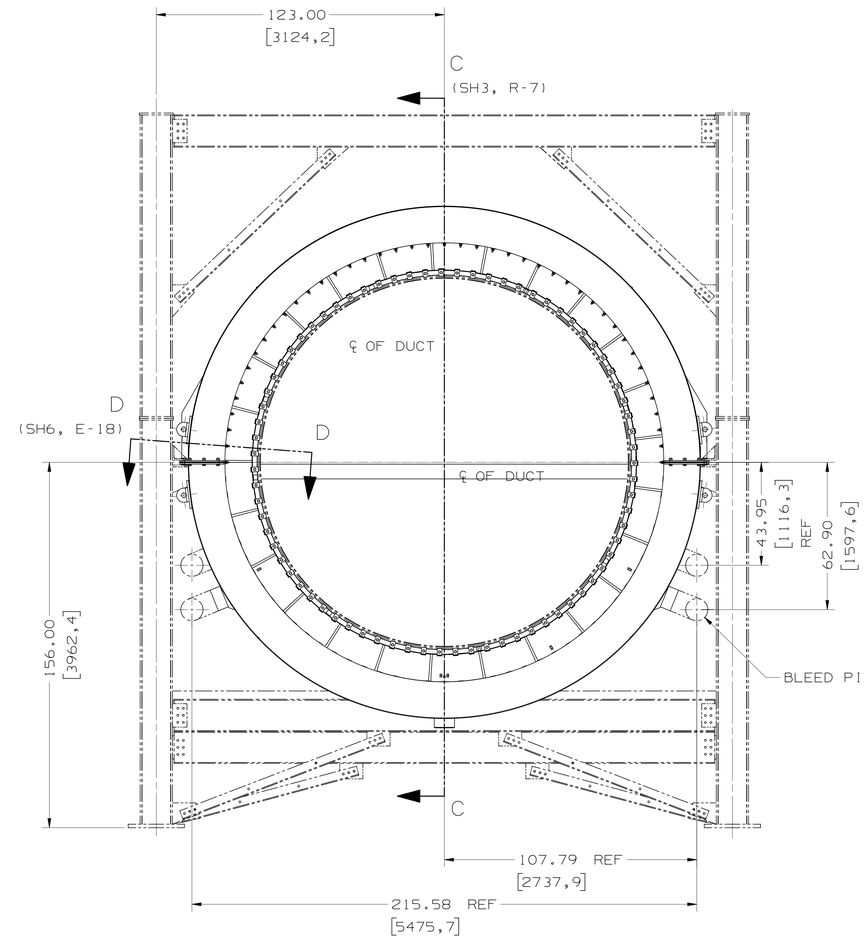


DETAIL J (L-22)

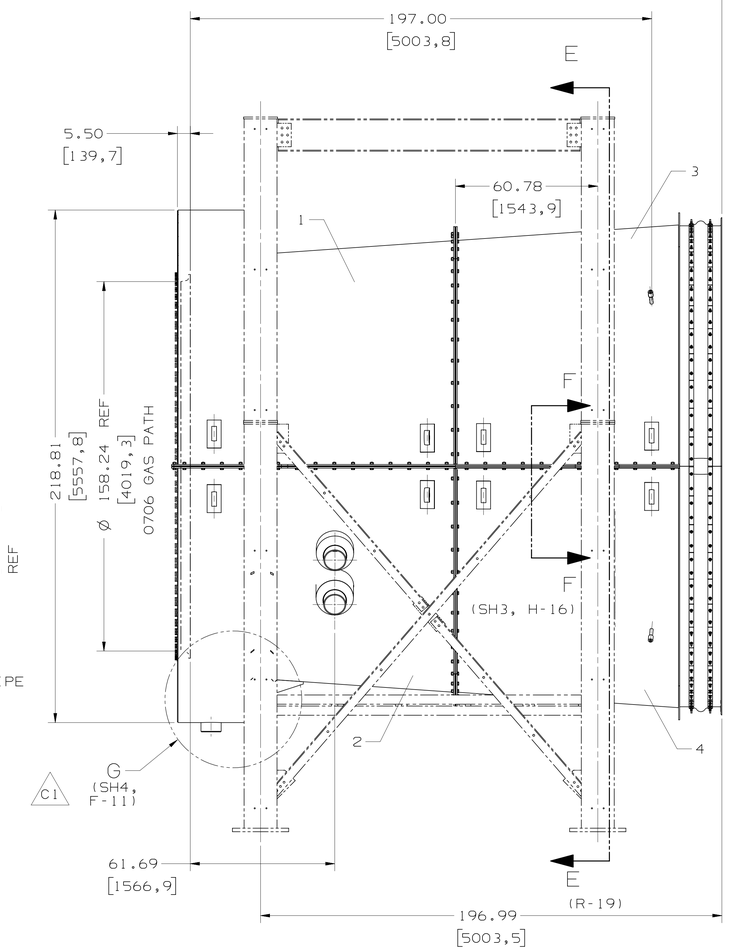


VIEW B
(SH5, H-17)

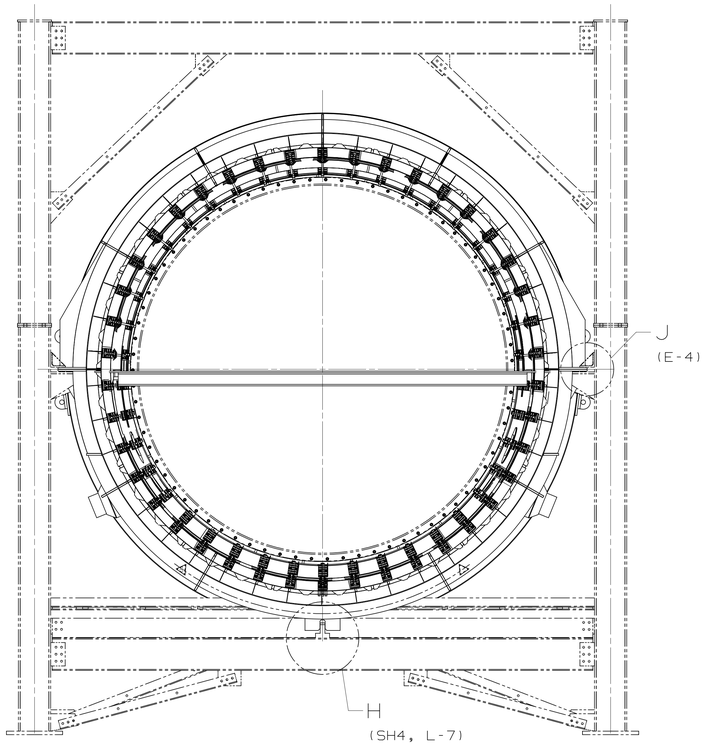
TO TBAS 617.71
[15689,8]



FORWARD END VIEW

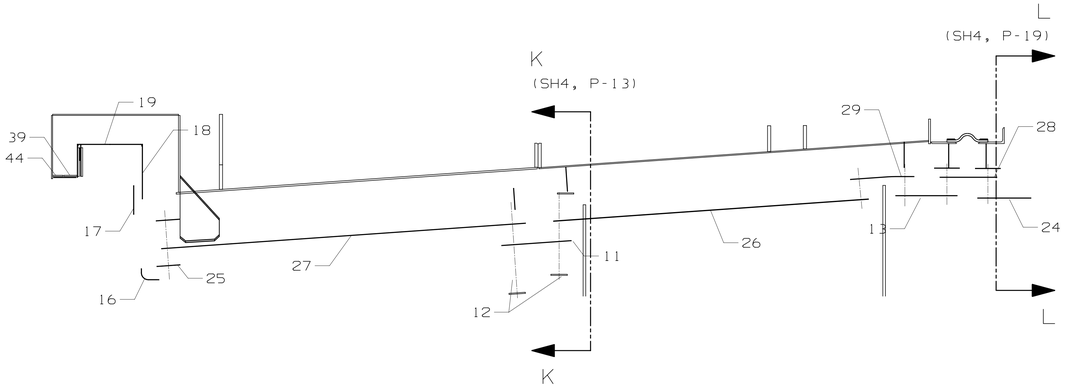


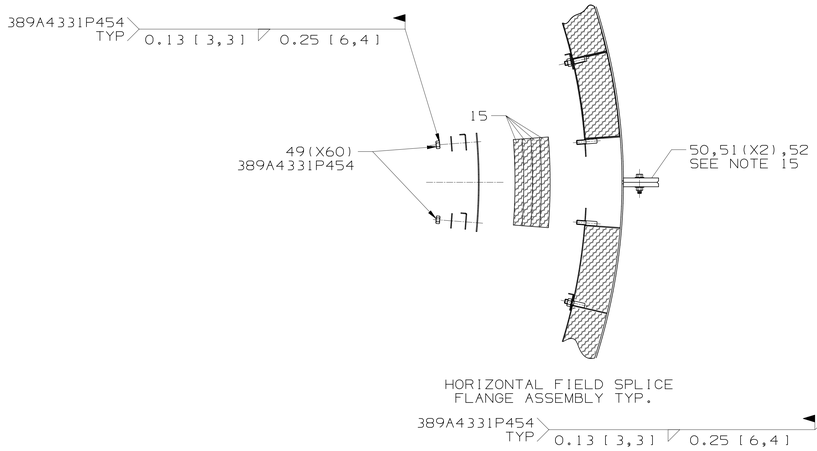
VIEW A-A (SH1, R-12)

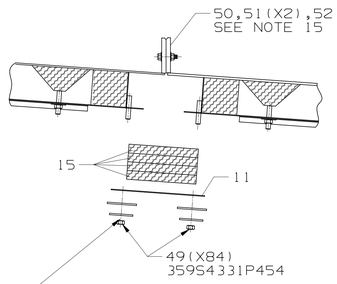


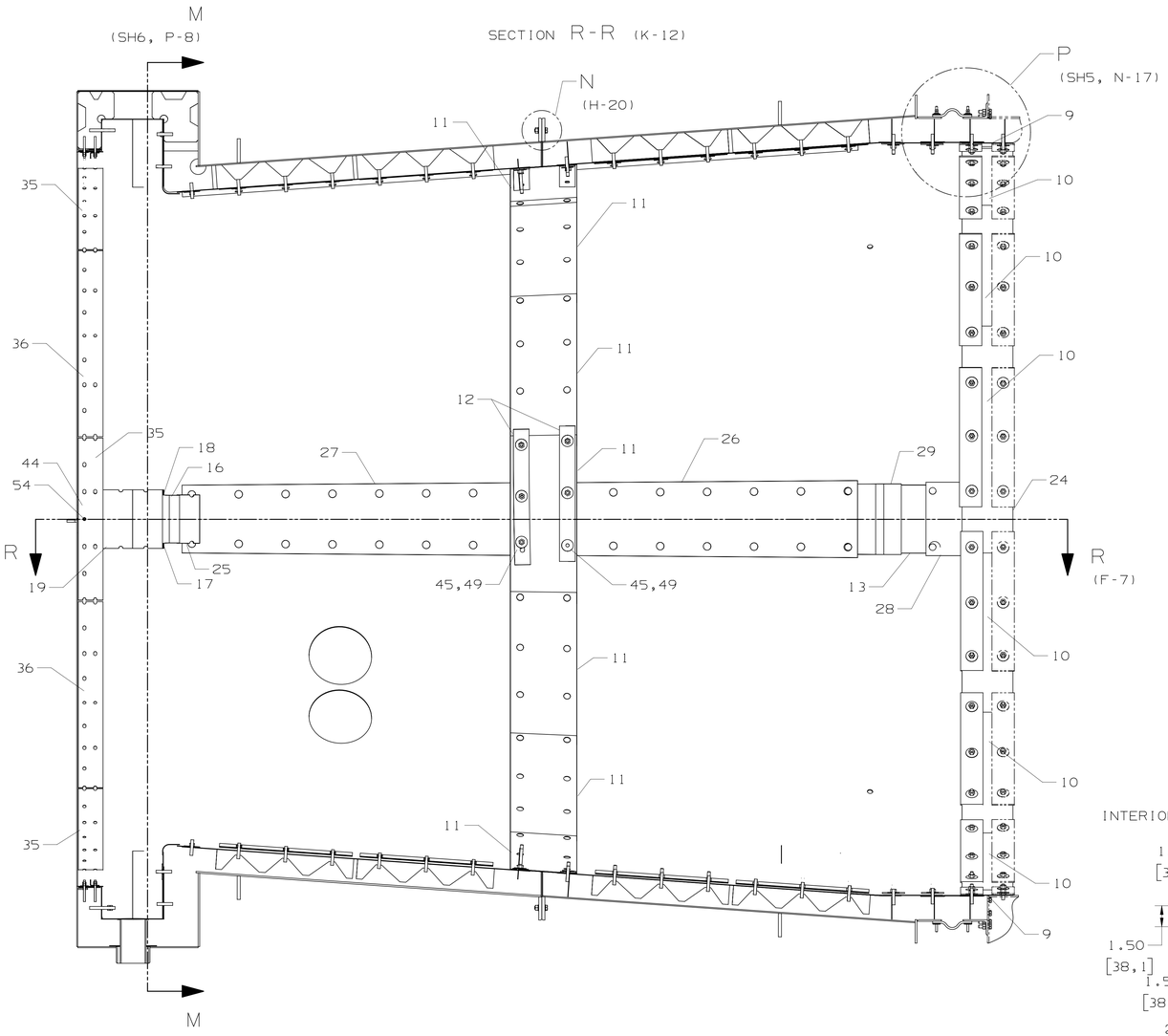
SECTION E-E (R-14)

GE VERNOVA	Document Type: DETAIL		Sheet Size E
	Document Title: EXHAUST DIFFUSER GENERAL ASSEMBLY		
Creation Date (YYYY-MM-DD) 2016-11-04	Drawing Number: 124T0410	Revision C	Sheet 2 OF 11





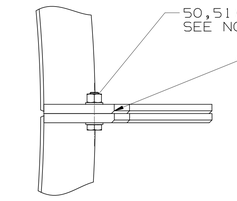




SECTION C-C (SH2, H-5)

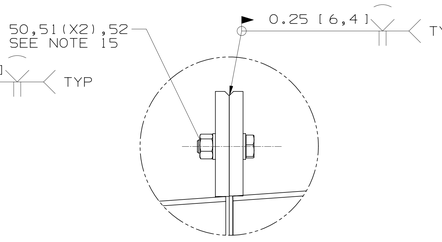
ALL PARTS INDICATED ARE TO BE FIELD INSTALLED

PARTS BLANK FOR CLARITY



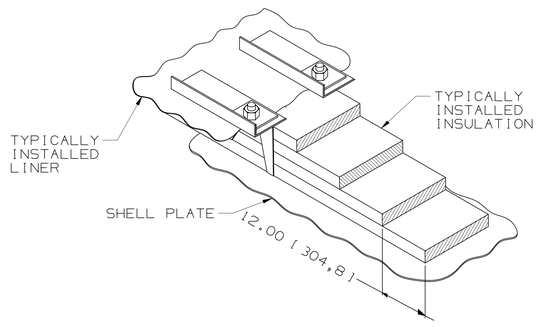
SECTION F-F (SH4, M-13)

HORIZONTAL EXTERNAL
BOLTED JOINTS

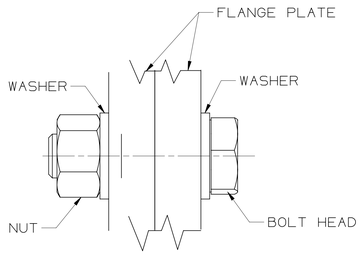


DETAIL N (F-7)

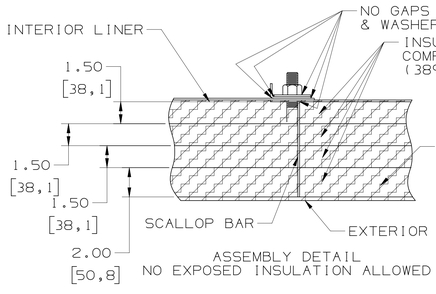
CIRCUMFERENTIAL EXTERNAL
BOLTED JOINTS



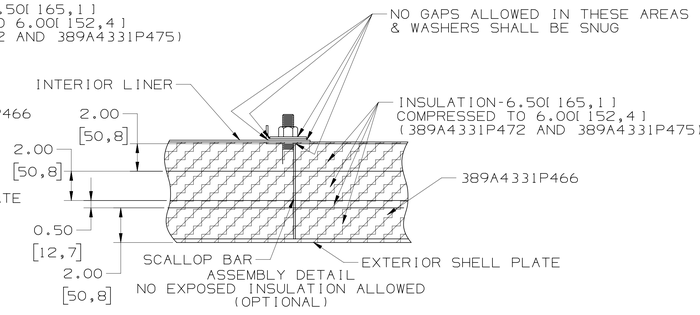
FIELD INSTALLED INSULATION (389A4331P463)



DETAIL OF TYPICAL BOLTING



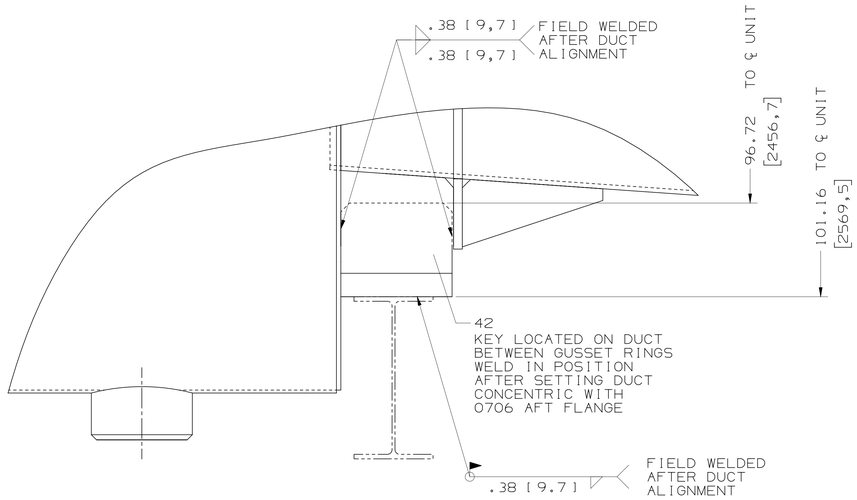
ASSEMBLY DETAIL
NO EXPOSED INSULATION ALLOWED



ASSEMBLY DETAIL
NO EXPOSED INSULATION ALLOWED
(OPTIONAL)

GE VERNOVA	Document Type: DETAIL		Sheet Size E
	Document Title: EXHAUST DIFFUSER GENERAL ASSEMBLY		
Creation Date (YYYY-MM-DD) 2016-11-04	Drawing Number: 124T0410	Revision C	Sheet 3 OF 11

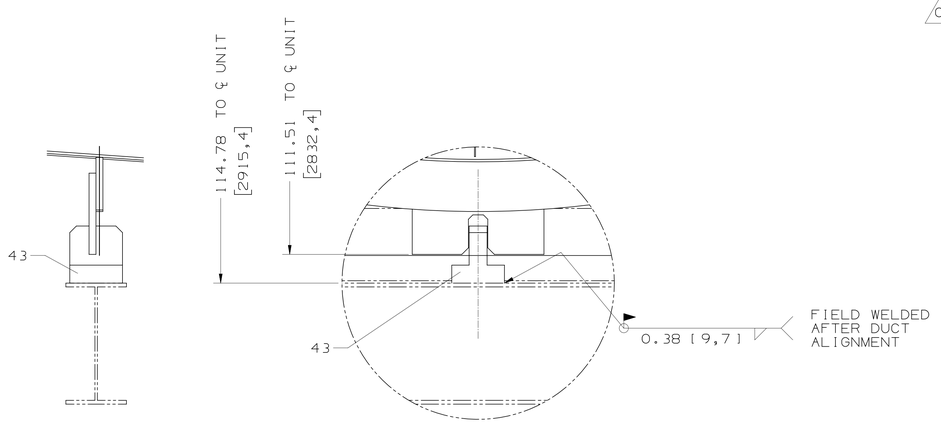
NLR



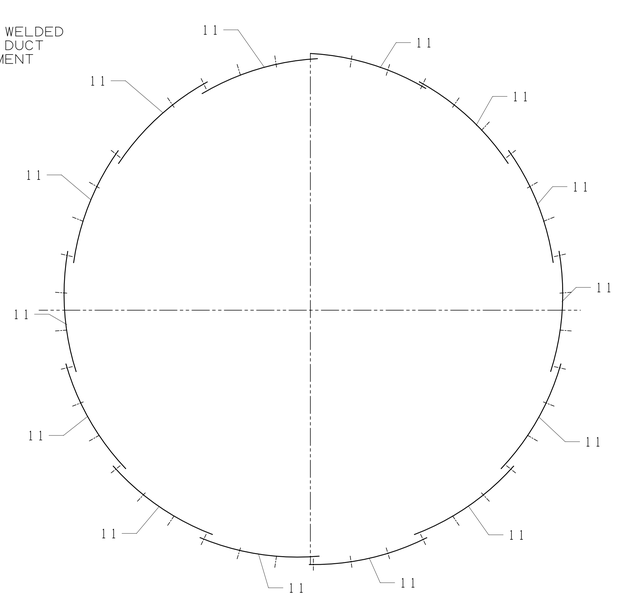
+0.00 +0.00
FORWARD KEY ALLOWANCE

VIEW G (P-11 SH 2)
FORWARD DUCT KEYED TO SUPPORT STRUCTURE

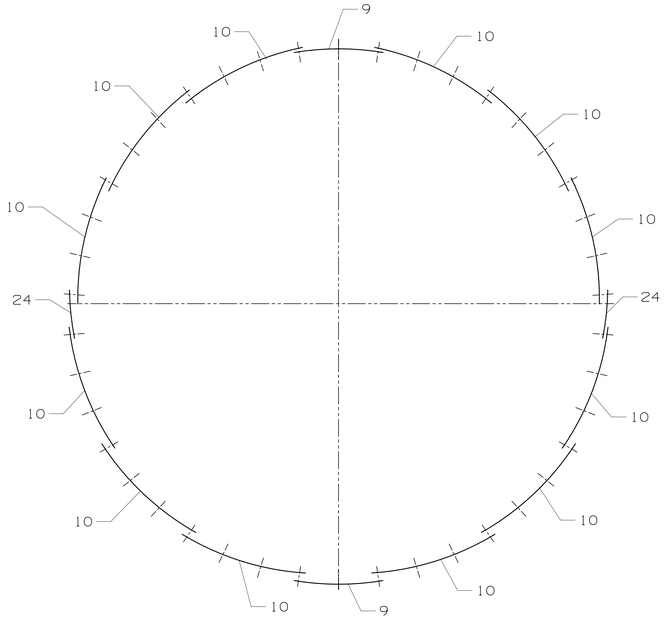
C1



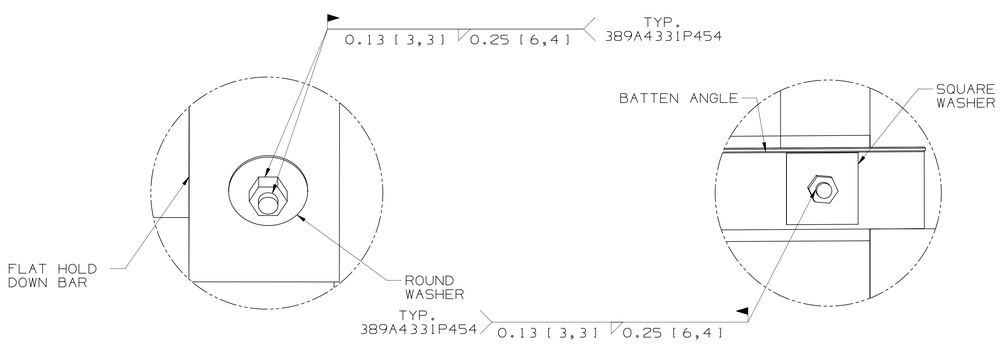
AFT KEY ALLOWANCE
+0.00 +0.00
DETAIL H (SH2, P-19)
AFT DUCT KEYED TO SUPPORT STRUCTURE



SECTION K-K (SH2, C-7)

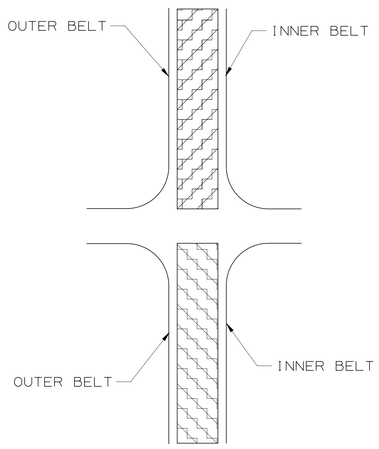


SECTION L-L (SH2, B-11)

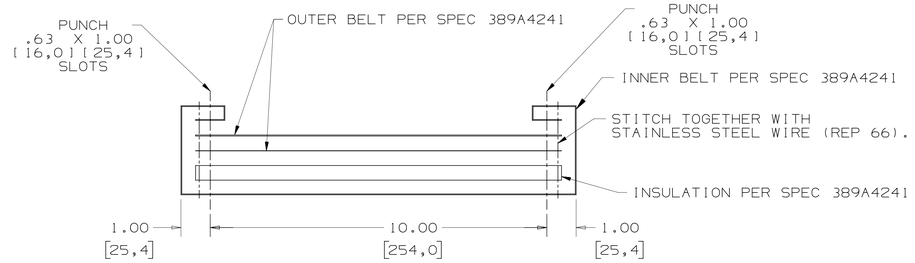


WELDING DETAIL-STUDS & NUTS

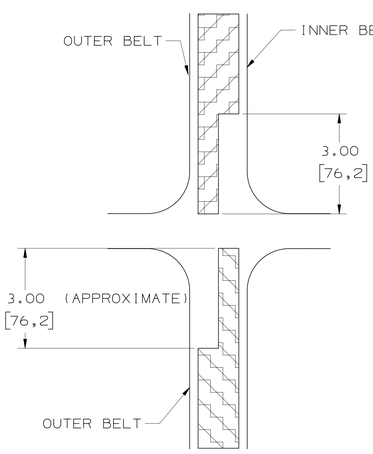
GE VERNOVA	Document Type: DETAIL		Sheet Size E
	Document Title: EXHAUST DIFFUSER GENERAL ASSEMBLY		
Creation Date (YYYY-MM-DD) 2016-11-04	Drawing Number: 124T0410	Revision C	Sheet 4 OF 11



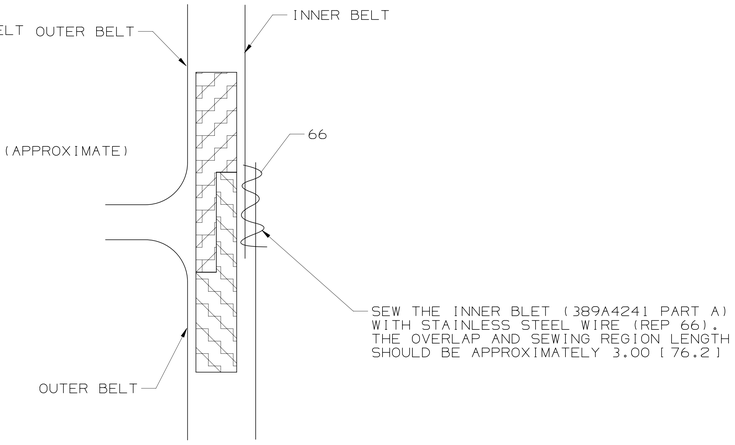
FIRST STEP



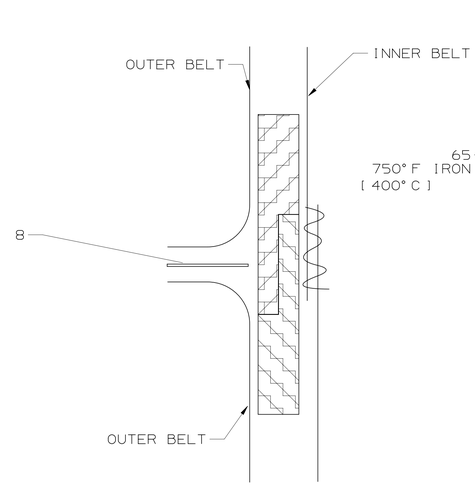
BELT MATERIAL DETAIL



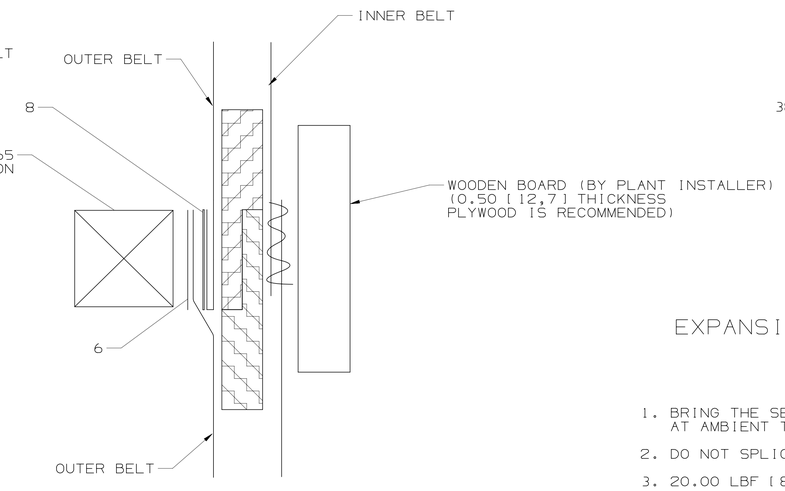
SECOND STEP



THIRD STEP



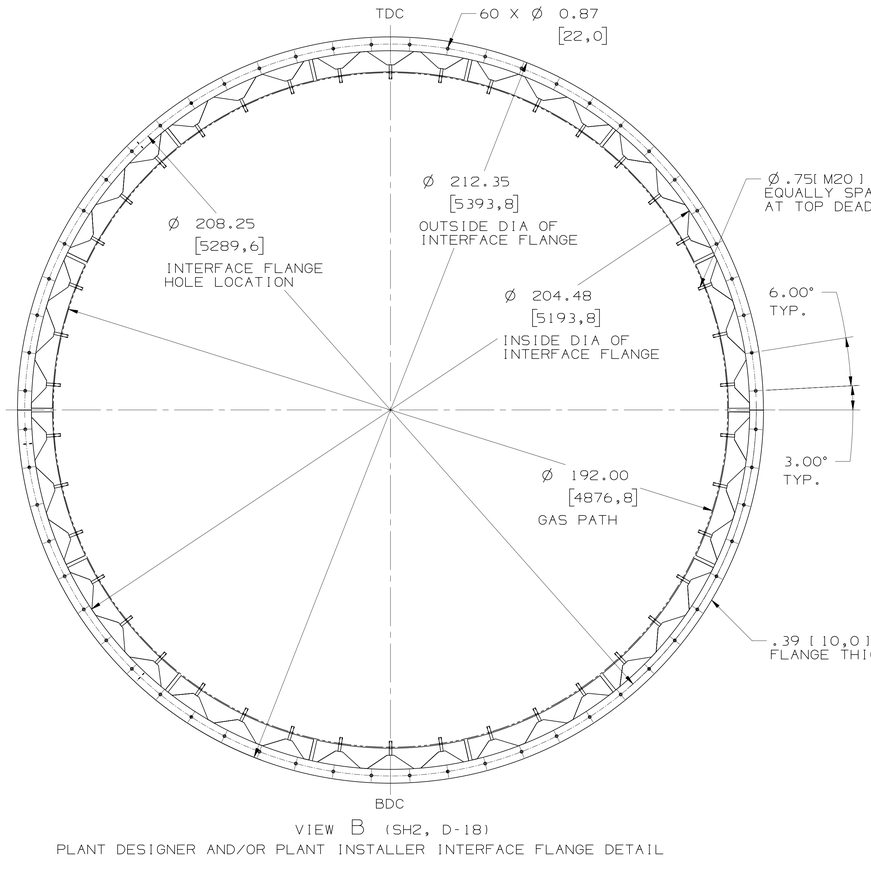
FOURTH STEP



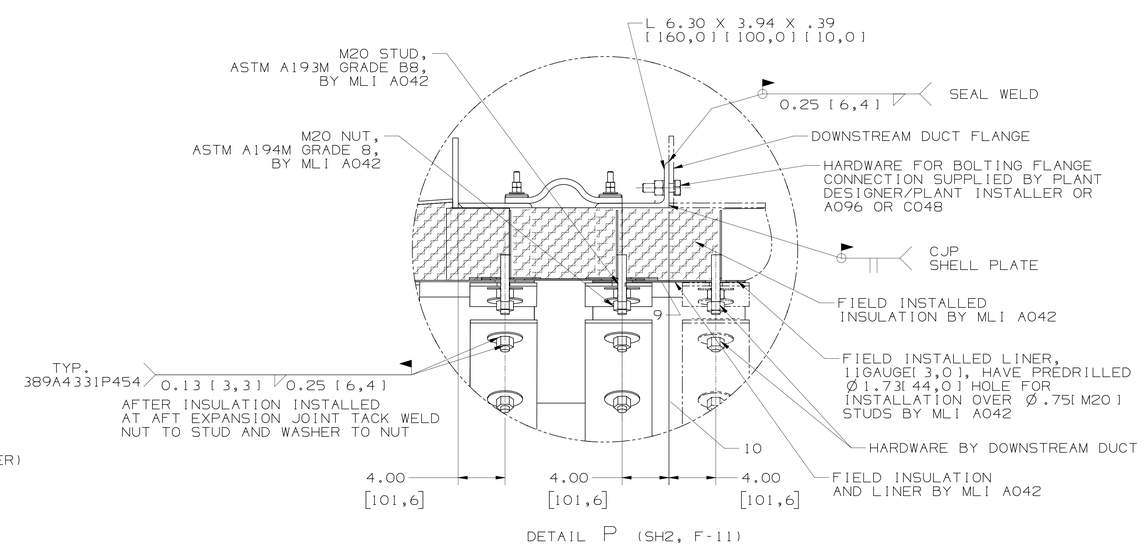
FIFTH STEP

OUTER BELT SURFACES WITHIN CONNECTION REGION SHALL BE CLEANED WITH A DAMP CLOTH BEFORE OVERLAPPING

EXPANSION JOINT BELT JOINING DETAILS



VIEW B (SH2, D-18)
PLANT DESIGNER AND/OR PLANT INSTALLER INTERFACE FLANGE DETAIL



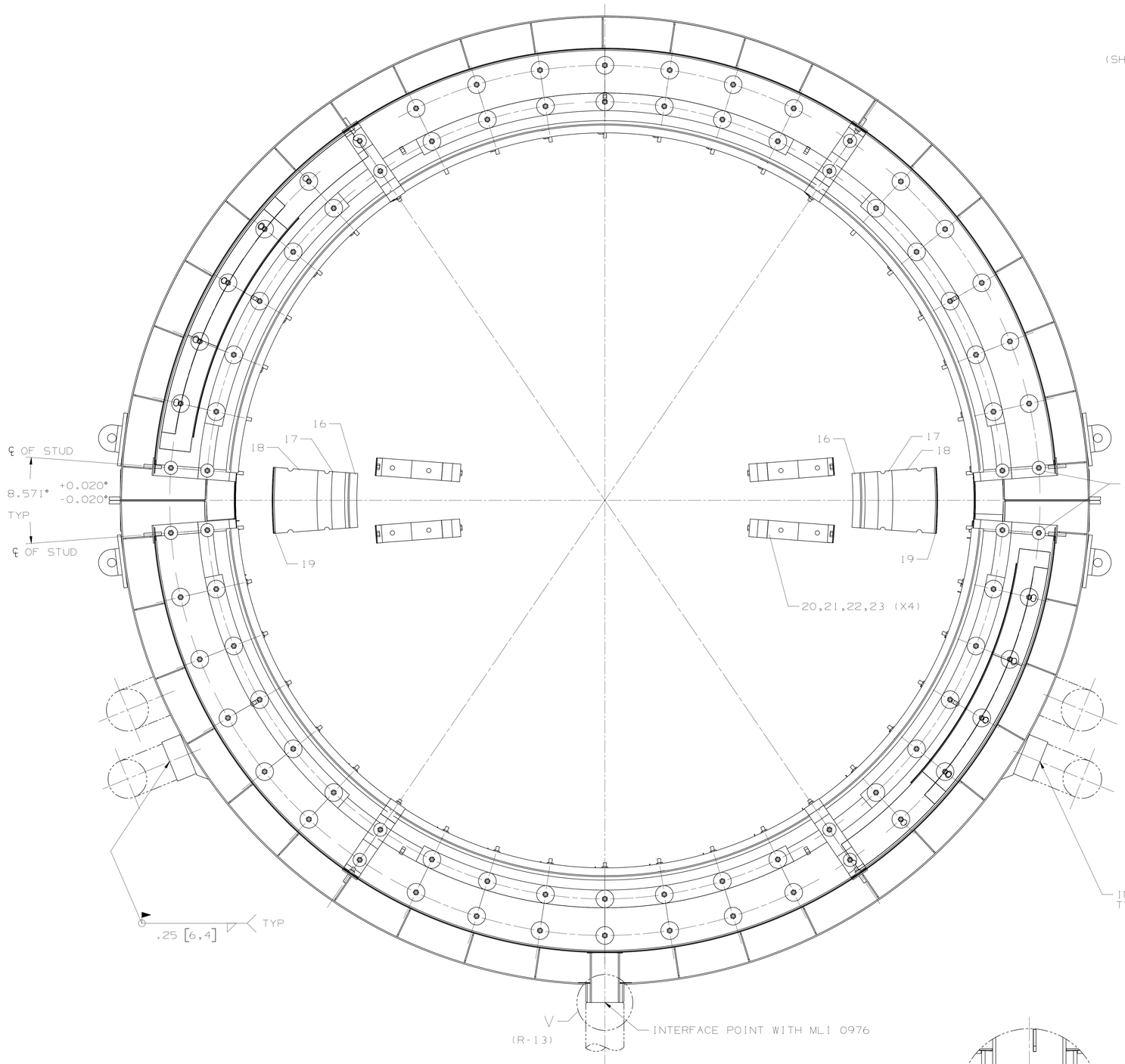
DETAIL P (SH2, F-11)

EXPANSION JOINT BELT SPLICING INSTRUCTION:

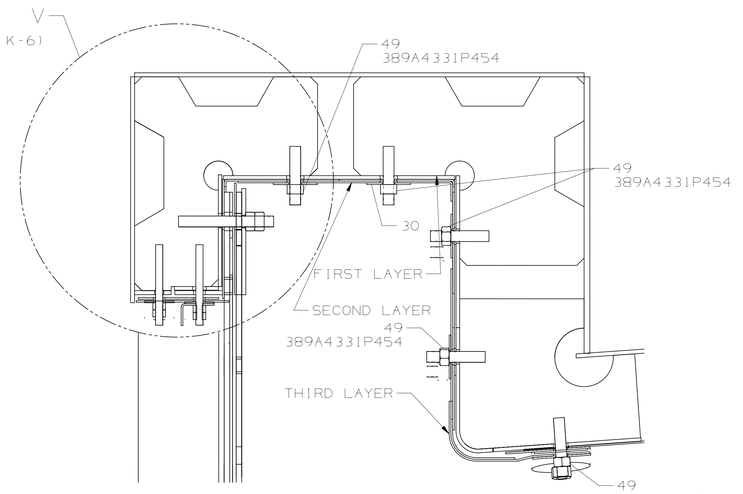
1. BRING THE SEAL IRON TO A HEAT SEALER TEMPERATURE 750°F [400°C], APPLY THE HEATING IRON FOR APPROXIMATELY 3-5 MINUTES AT AMBIENT TEMPERATURES ABOVE 40°F [4°C], AND 5-8 MINUTES BELOW 40°F [4°C].
2. DO NOT SPLICE BELTS AT AMBIENT TEMPERATURE BELOW 25°F [-4°C].
3. 20.00 LBF [89.0 N] SHALL BE APPLIED DURING IRON HEAT SEALING.
4. REPEAT ABOVE ITEMS UNTIL THE ENTIRE WIDTH IS SEALED.
5. THE BACK OF SPLICE SHALL BE SUPPORTED WITH BACKING BOARD WHEN DOING ABOVE OPERATION, BACKING BOARD SHALL BE FLAT AND CLEAN AND SHALL BE REMOVED AFTER THE SPLICING OPERATION.

NLR

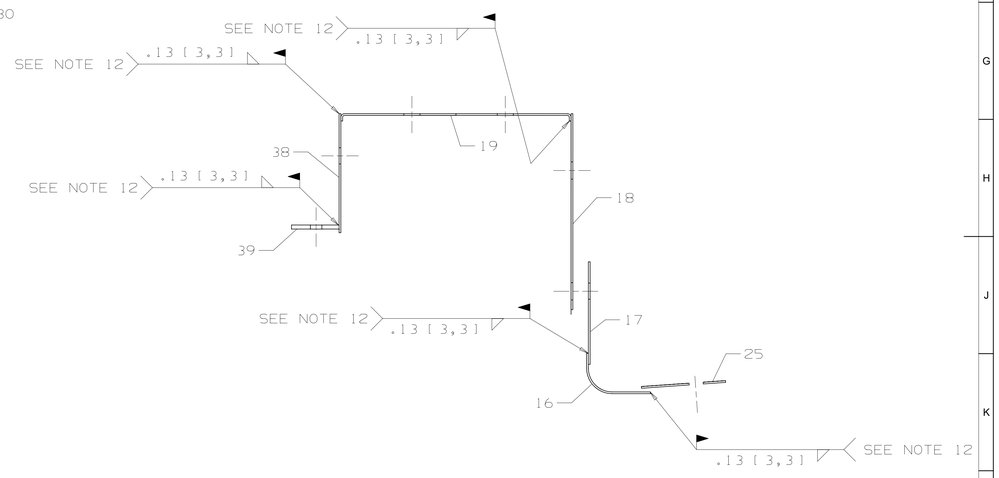
GE VERNOVA	Document Type: DETAIL	Sheet Size E
	Document Title: EXHAUST DIFFUSER GENERAL ASSEMBLY	
Creation Date (YYYY-MM-DD) 2016-11-04	Drawing Number: 124T0410	Revision C / Sheet 5 OF 11



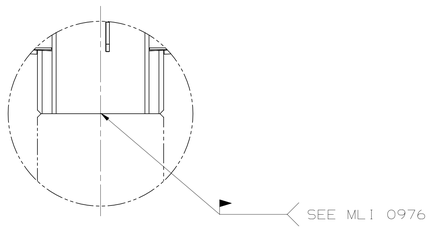
SECTION M-M (SH3, F-3)



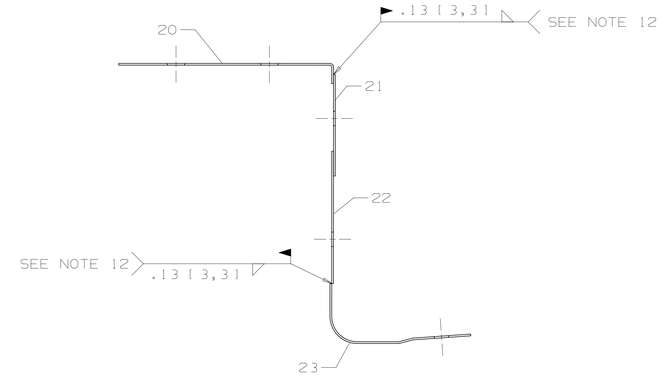
SECTION D-D (SH2, L-2)



SECOND LAYER FIELD INSTALLED LINER DETAIL
(TYP 2 PLACES)

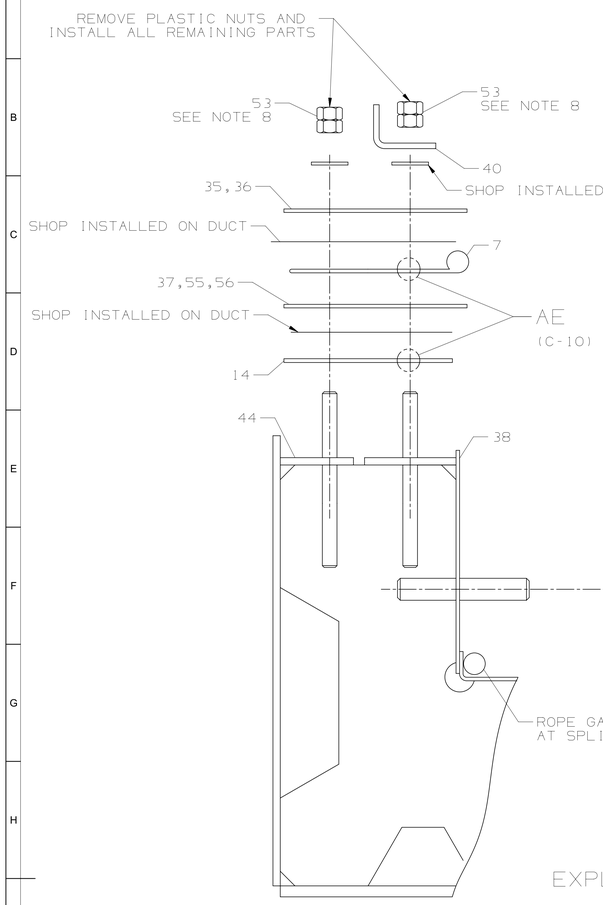


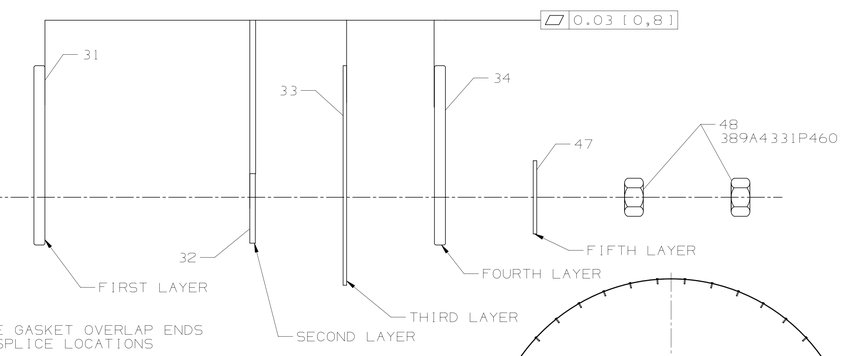
DETAIL U (N-7)



THIRD LAYER FIELD INSTALLED LINER DETAIL
(TYP 4 PLACES)

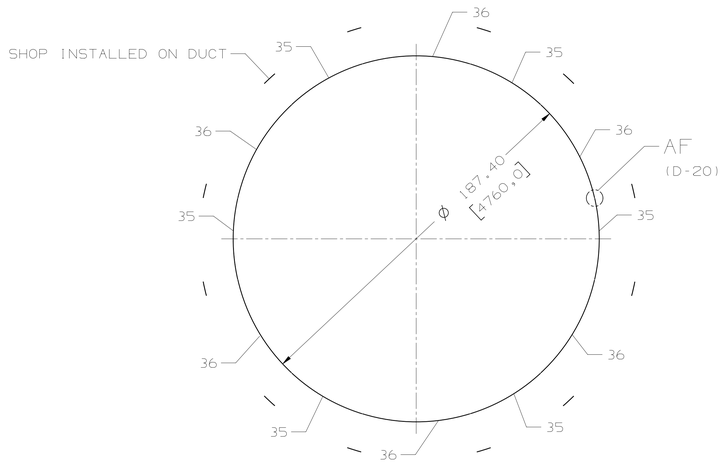
GE VERNOVA	Document Type: DETAIL		Sheet Size E
	Document Title: EXHAUST DIFFUSER GENERAL ASSEMBLY		
Creation Date (YYYY-MM-DD) 2016-11-04	Drawing Number: 124T0410	Revision C	Sheet 9 OF 11



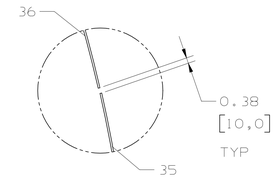


EXPLOSION VIEW OF V (SH9, K-7)

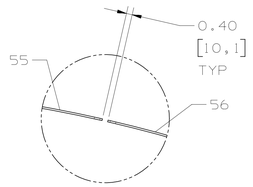
DETAIL AE (D-5)
DETAIL OF SITE PUNCHING GASKET HOLES



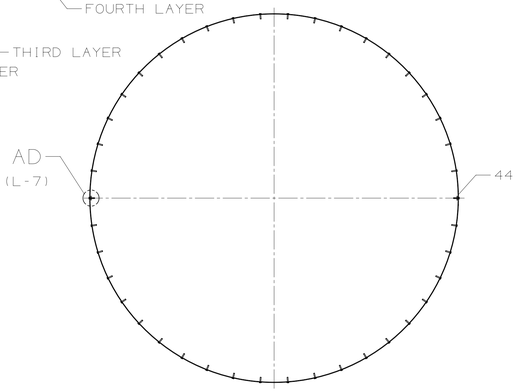
TADPOLE CLAMP BAR



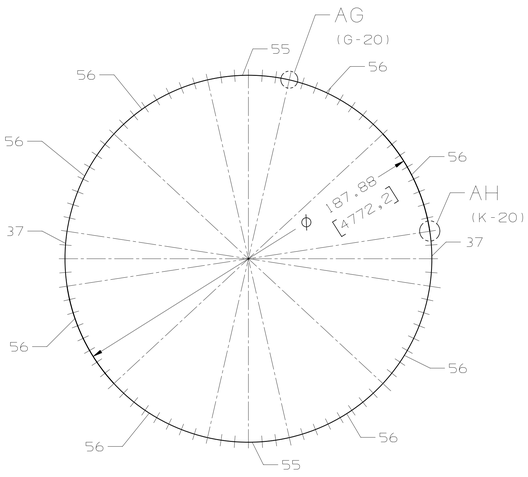
DETAIL AF (C-18)



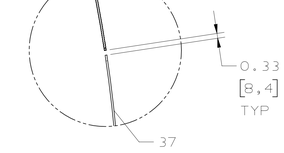
DETAIL AG (G-16)



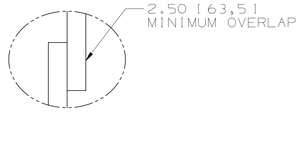
CASING RETURN FIELD INSTALLED



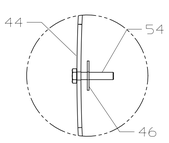
FLOATING LINER FIELD INSTALLED



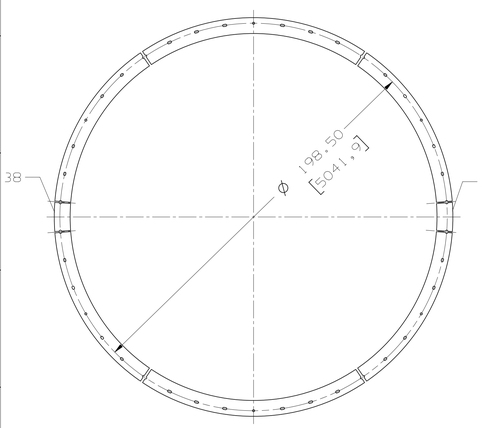
DETAIL AH (H-18)



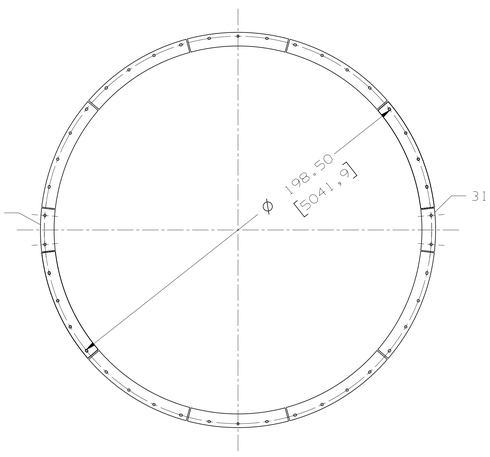
SPLICE DETAIL OF ROPE TADPOLE,
AND FLAT GASKETS



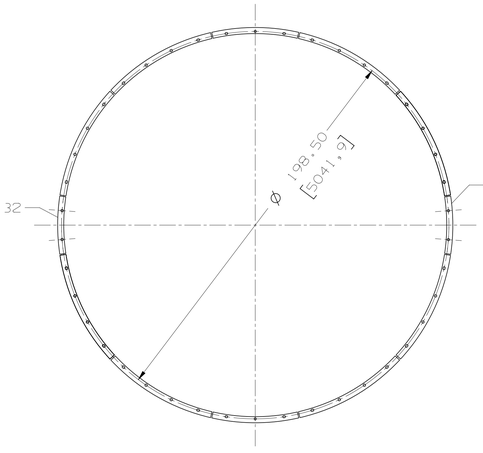
DETAIL AD (H-9)



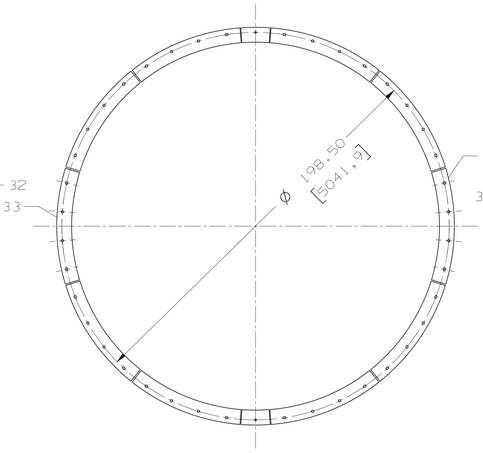
TROUGH LINER
(FIELD INSTALLED)



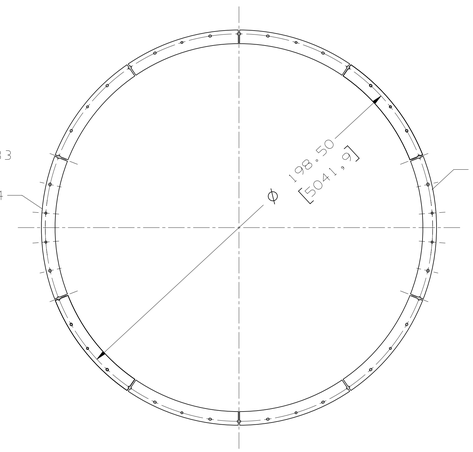
FIRST LAYER CLAMP BARS
(FIELD INSTALLED)



SECOND LAYER CLAMP BARS
(FIELD INSTALLED)



THIRD LAYER CLAMP BARS
(FIELD INSTALLED)



FOURTH LAYER CLAMP BARS
(FIELD INSTALLED)

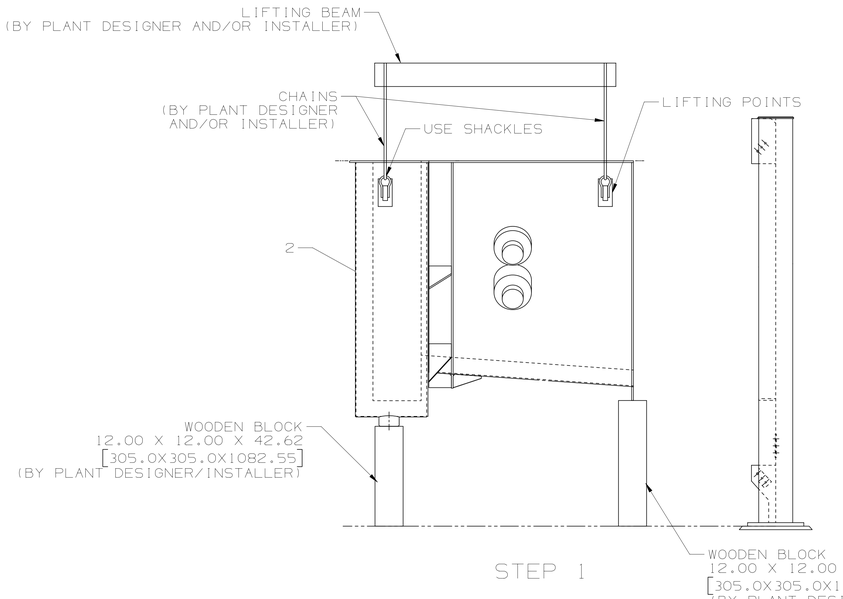
GE VERNOVA	Document Type: DETAIL		Sheet Size E
	Document Title: EXHAUST DIFFUSER GENERAL ASSEMBLY		
Creation Date (YYYY-MM-DD) 2016-11-04	Drawing Number: 124T0410	Revision C	Sheet 10 OF 11

NOTES :

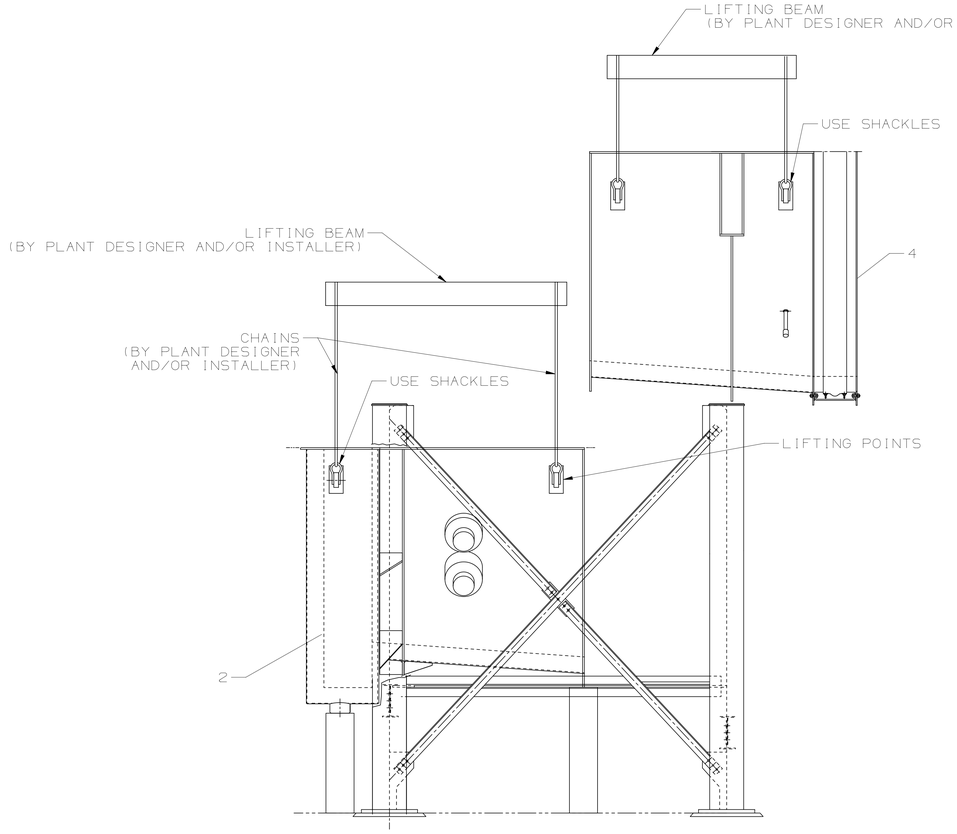
1. IF 0706 IS ALREADY IN PLACE FOLLOW THE BELOW DIRECTIONS (NOTE 2). OTHERWISE ASSEMBLE LOWER SUPPORT STRUCTURE FIRST, THEN PROCEED TO INSTALL DUCT SECTIONS.

2. INSTALL STEPS:

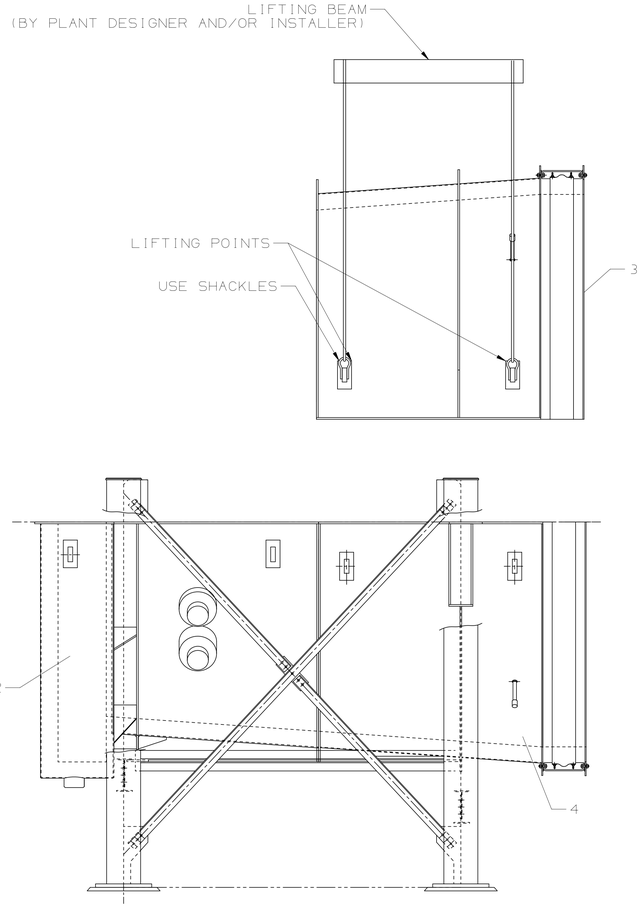
   1. INSTALL AFTER COLUMN
   2. THEN LOWER AND PLACE FORWARD LOWER SECTIONS.
   3. INSTALL FRONT COLUMN AND BRACINGS.
   4. CONTINUE WITH INSTALLATION AS BEFORE.



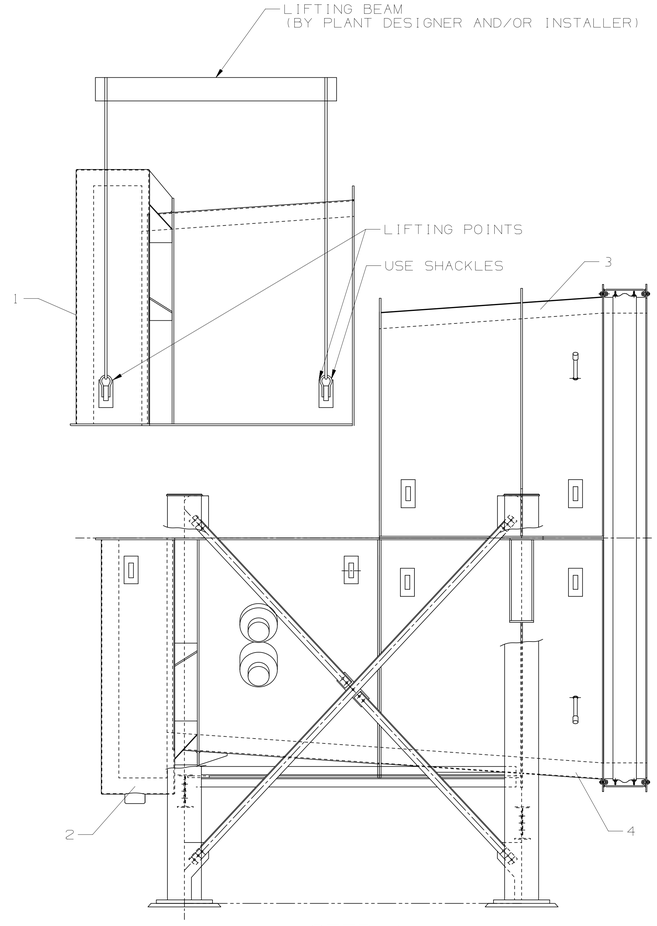
STEP 1



STEP 2

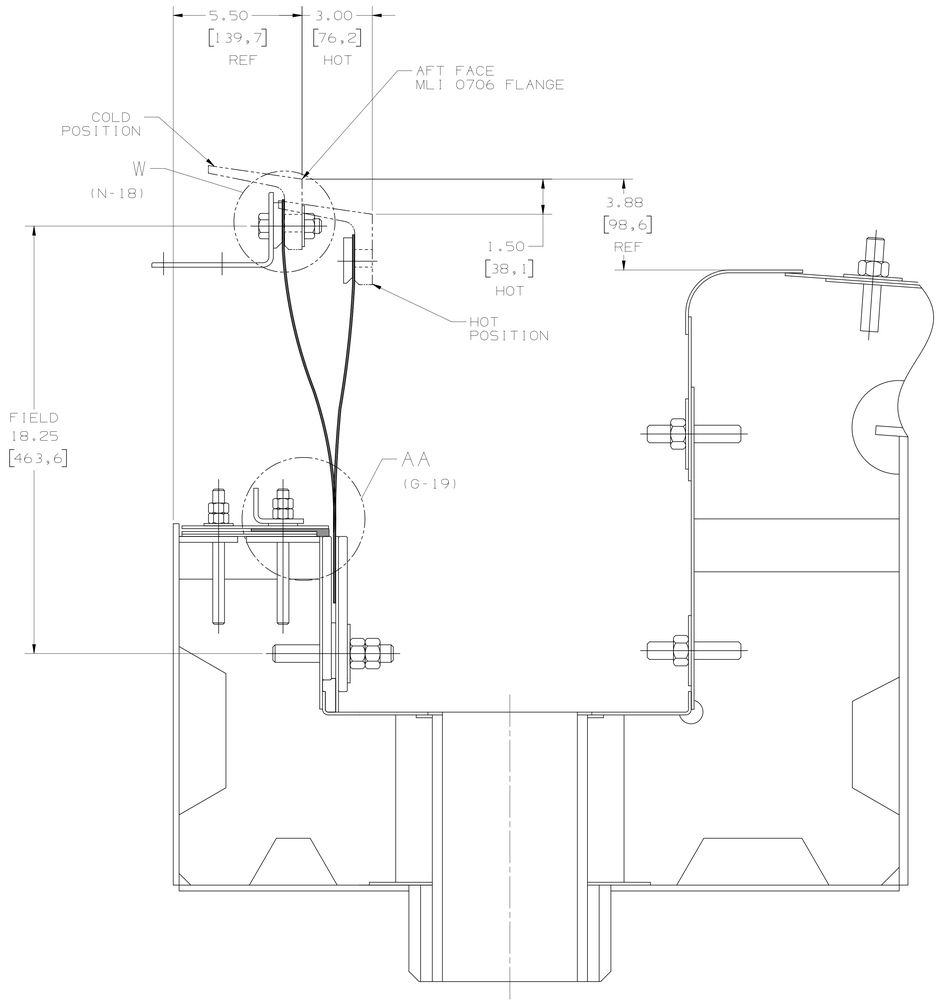


STEP 3

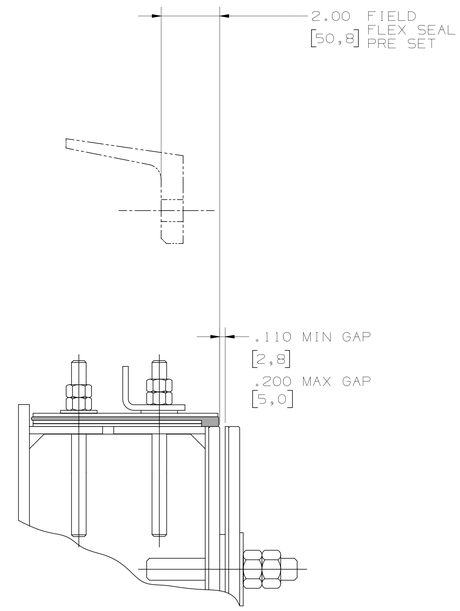


STEP 4

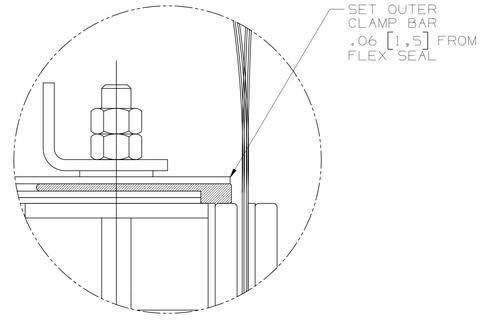
GE VERNOVA	Document Type: DETAIL		Sheet Size: E
	Document Title: EXHAUST DIFFUSER GENERAL ASSEMBLY		
Creation Date (YYYY-MM-DD): 2016-11-04	Drawing Number: 124T0410	Revision: C	Sheet: 11 OF 11



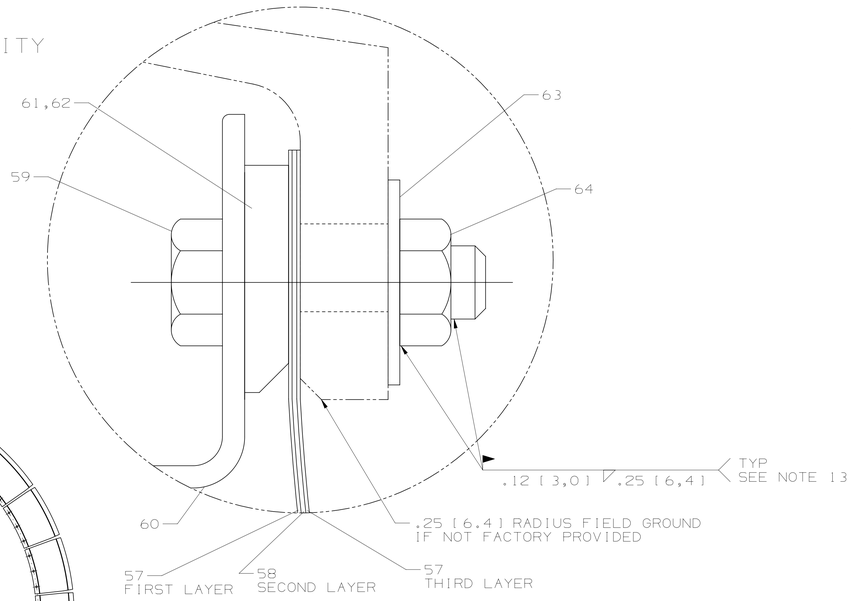
DETAIL V (SH6, B-14)(ROTATED 180°)



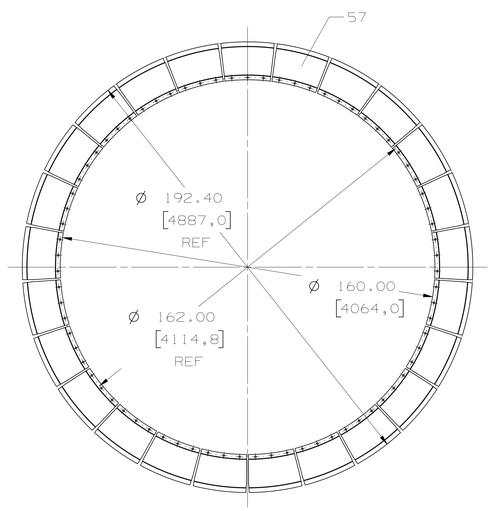
FLEX SEAL OMITTED FOR CLARITY



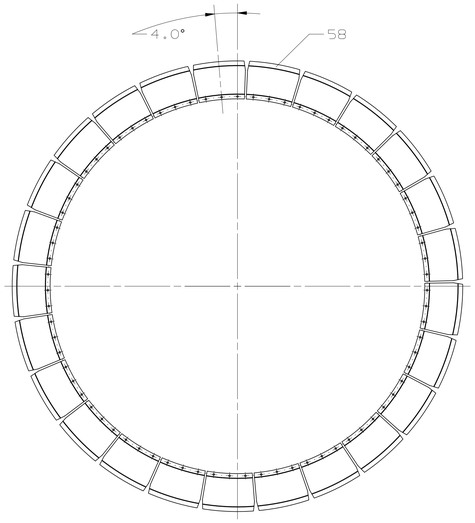
DETAIL AA (E-6)



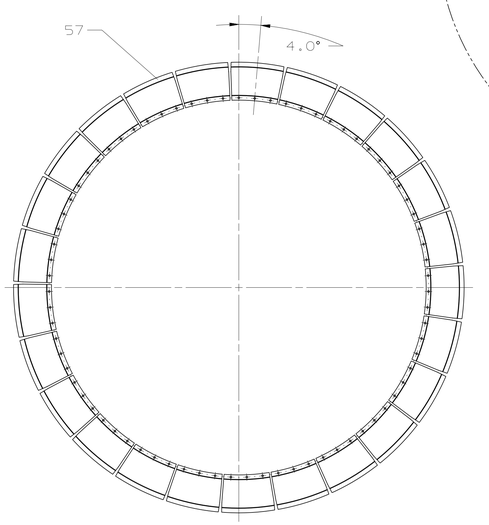
DETAIL W (B-4)



FLEX SEAL ARRANGEMENT
FIRST LAYER
INSTALLATION SHOWN AT W



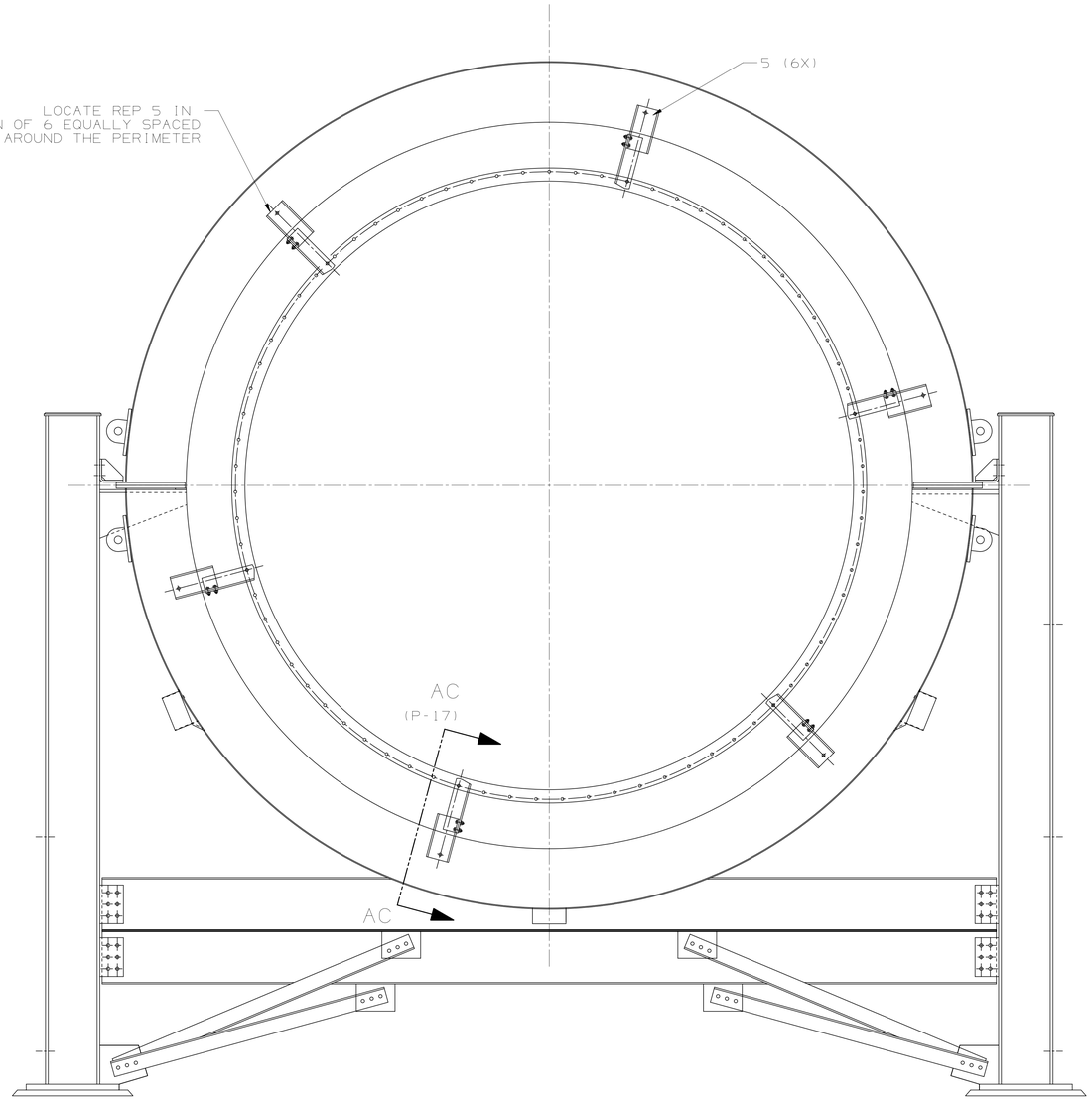
FLEX SEAL ARRANGEMENT
SECOND LAYER
INSTALLATION SHOWN AT W



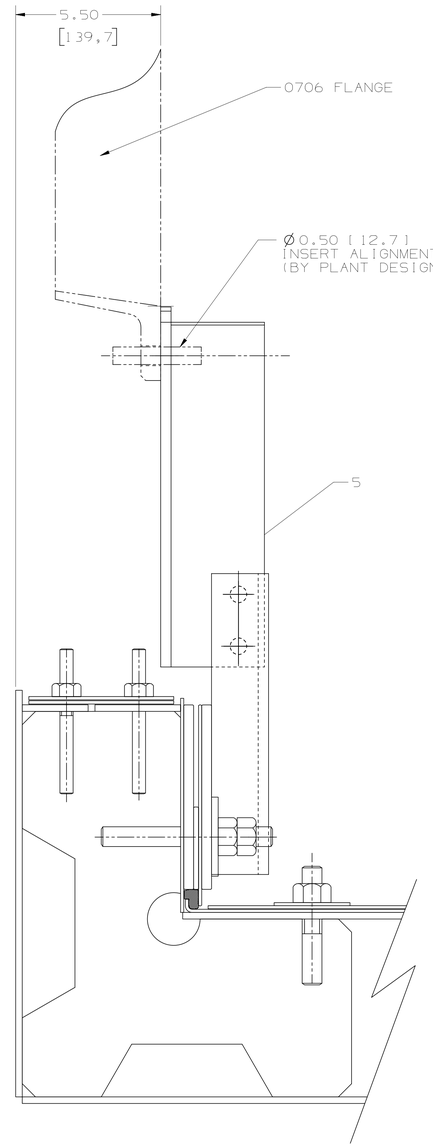
FLEX SEAL ARRANGEMENT
THIRD LAYER
INSTALLATION SHOWN AT W

NLR

GE VERNOVA	Document Type: DETAIL		Sheet Size E
	Document Title: EXHAUST DIFFUSER GENERAL ASSEMBLY		
Creation Date (YYYY-MM-DD) 2016-11-04	Drawing Number: 124T0410	Revision C	Sheet 6 OF 11

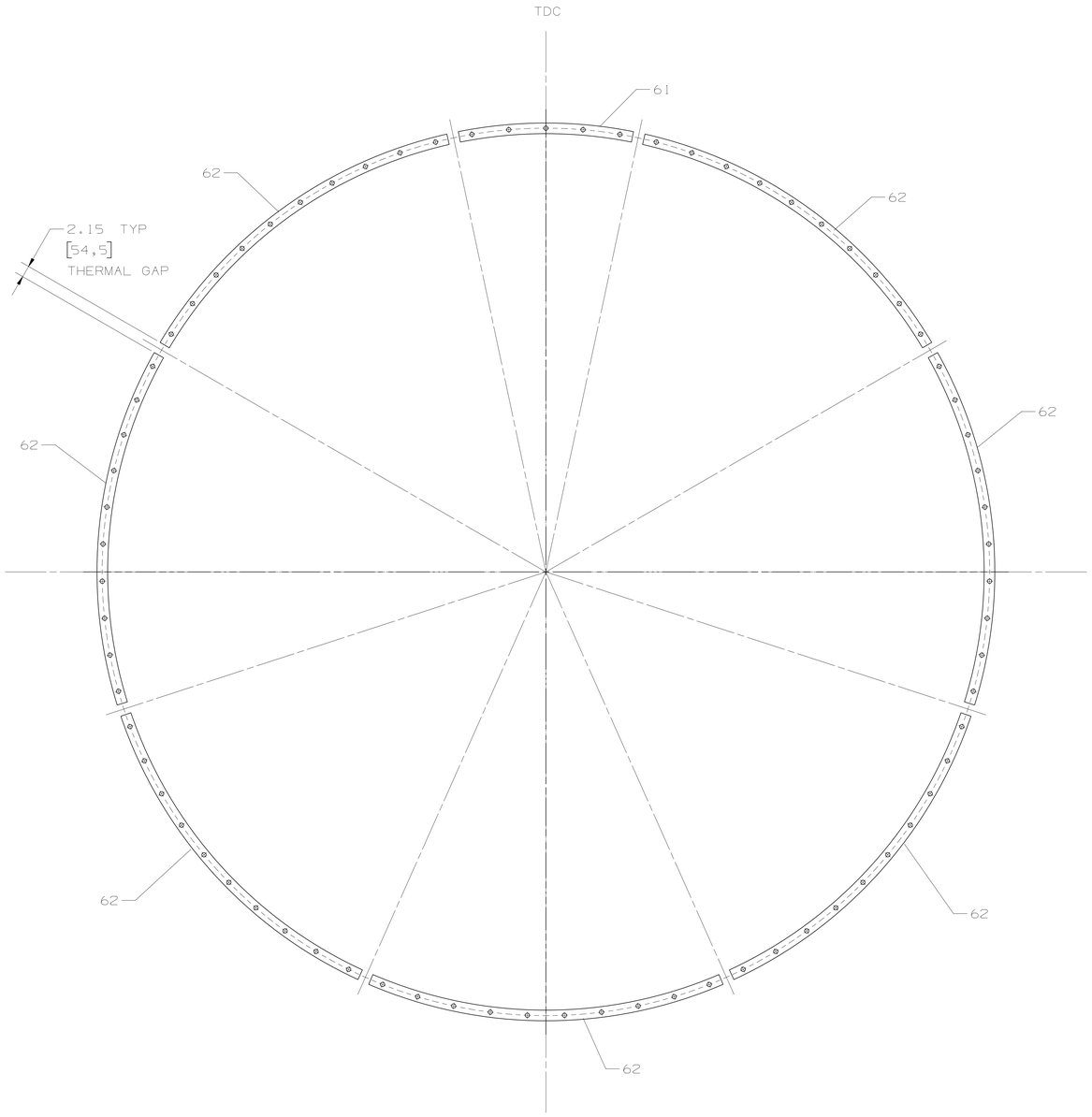


ALIGNMENT TOOL PLACEMENT VIEW



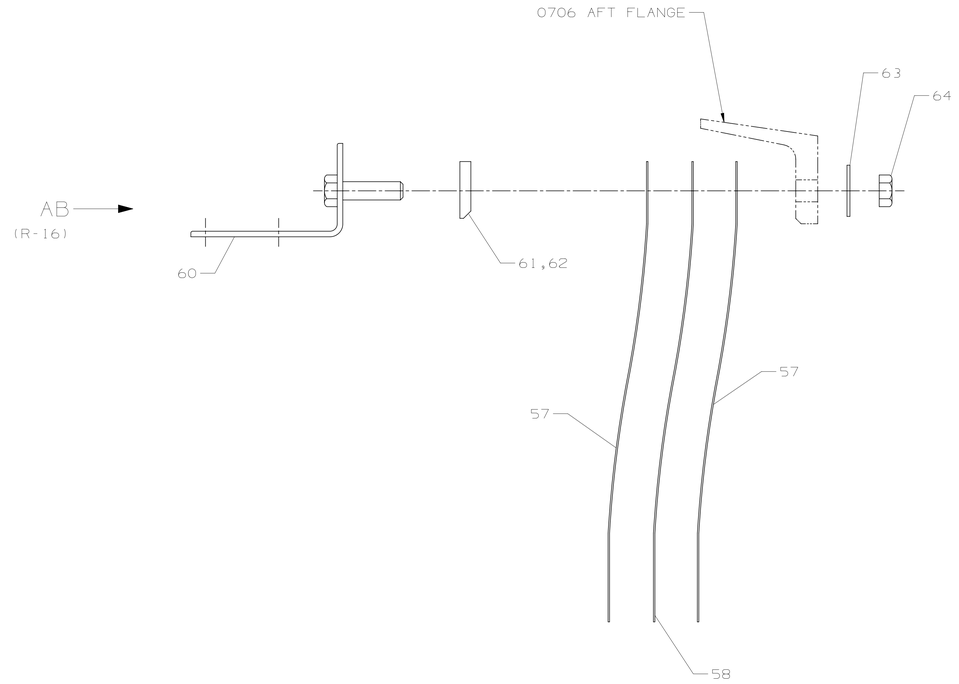
SECTION AC-AC (J-7)
(ENLARGED)

GE VERNOVA	Document Type: DETAIL		Sheet Size E
	Document Title: EXHAUST DIFFUSER GENERAL ASSEMBLY		
Creation Date (YYYY-MM-DD) 2016-11-04	Drawing Number: 124T0410	Revision C	Sheet 8 OF 11

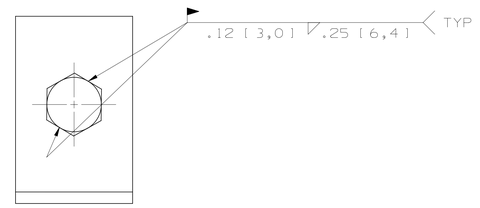


BACKING BAR ARRANGEMENT

INSTALLATION SHOWN AT B (SH5, H-17)



FLEX SEAL ASSEMBLY DETAILS



VIEW AB (F-14)
(ENLARGED)

NLR

GE VERNOVA	Document Type: DETAIL		Sheet Size E
	Document Title: EXHAUST DIFFUSER GENERAL ASSEMBLY		
Creation Date (YYYY-MM-DD) 2016-11-04	Drawing Number: 124T0410	Revision C	Sheet 7 OF 11