GENERAL NOTES:

1. BREAK ALL SHARP EDGES, REMOVE ALL BURRS.
2. WELD AND INSPECT STAINLESS STEEL STRUCTURAL WELDS PER AWS 2. D1.6-2007. VT WELDS ON FINAL PASS. WELDING PROCEDURES AND QUALIFICATIONS PER ASME SECTION IX ARE ACCEPTABLE. ALL WELDS SHALL BE EXAMINED BY AN AWS QC-1 CERTIFIED WELD INSPECTOR.
3. WELD FILLER MINIMUM TENSILE STRENGTH = 70 KSI.
4. ALL DIMENSIONS TO PIPE FLANGES ARE TAKEN AT THE RAISED FACE OF THE FLANGE.
5. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED. UNSPECIFIED TOLERANCES SHALL BE: FRACTIONAL = ±1/8" ANGULAR = ±1°
6. MINIMUM STANDOFF DISTANCE IS 10".

8.

PIT	RISER PIPE LENGTH (IN)	INTAKE PIPE LENGTH (IN)	EXHAUST 2.5" PIPE LENGTH (IN)	APPROXIMATE NOZZLE HEIGHT ABOVE FLOOR (FT)
	A	B	C	
AN-A	41	48	78	2.4
AN-B	41	48	78	2.4
AN-01A	41	48	78	1.1
AN-06A	30	37	78	1.1
AP-01A	41	48	78	1.8
AP-02A	41	48	78	1.8
AP-02D	41	48	150	1.4
AP-03A	41	48	78	1.8
AP-04A	41	48	78	1.8
AP-05A	41	48	78	1.8
AP-07A	41	48	78	1.8
AP-08A	41	48	78	1.8
AP-VP	41	48	78	2.0
AW-02A	41	48	108	2.2
AW-A	41	48	78	2.3
AW-B	41	48	78	2.3
AY-01A	41	48	78	2.4
AY-02A	12	19	78	2.4
AY-02B	12	19	108	1.5
AY-02C	12	19	108	1.5
AY-02D	12	19	108	1.5
AY-02E	12	19	108	1.5
AZ-01A	41	48	108	1.7
AZ-02A	41	48	108	1.7
AZ-VP	41	48	78	2.6

PARTS LIST/MATERIAL LIST (CONTINUED)

QTY REQD -080	-070	-060	-050	-040	-030	-020	-010	PARTS / DASH NUMBER	NOMENCLATURE/DESCRIPTION	MATERIAL/REFERENCE	SHEET	ITEM NO
												40
												41
												42
												43
												44
												45
												46
												47
					1				CONCENTRIC REDUCER, 2 1/2" X 3"	ASTM A403 GRADE WP304/304L-S	3	48
			2						THREADOLET, 3/4" FNPT	ASTM A182 GRADE F304/304L	5	49
							1		FLANGE, SORF, 5", CL 150	ASTM A182 GRADE F304/304L	2	50
						2		-027	BLIND FLANGE - MODIFIED, 5", CL 150	ASTM A182 GRADE F304/304L	2,11	51
			1					-028	OUTER HOUSING BLIND FLANGE - MODIFIED, 5", CL 150	ASTM A182 GRADE F304/304L	5,11	52
												53
												54
												55
												56
												57
			1					-029	ANGLE, 1 1/8" X 1 1/8" X 1/8"	ASTM A276 TYPE 304/304L	5,12	58
			1					-031	ANGLE, 4" X 3" X 3/16", 2" L	ASTM A276 TYPE 304/304L	5,12	59
							1	-032	PIPE, SMLS, 5", SCH 40S	ASTM A312 GRADE TP304/304L	2,12	60
						1		-033	PIPE, SMLS, 4", SCH 5S	ASTM A312 GRADE TP304/304L	2,12	61
					1			-034	PIPE, SMLS, 3", SCH 5S	ASTM A312 GRADE TP304/304L	3,12	62
					1				PIPE, SMLS, 2 1/2", SCH 5S	ASTM A312 GRADE TP304/304L	3	63
								-035	GASKET, 1/8" THK	VITON FLOUROELASTOMER	13	64
								-036	GASKET, 1/8" THK	VITON FLOUROELASTOMER	13	65
								-037	GASKET, 1/8" THK	VITON FLOUROELASTOMER	13	66
								-038	GASKET, 1/8" THK	VITON FLOUROELASTOMER	13	67
								-039	GASKET, 1/8" THK	VITON FLOUROELASTOMER	13	68
			1						PIPE, SMLS, 2 1/2", SCH 5S, 2 7/16" L	ASTM A312 GRADE TP304/304L	5	69
			3	3				-041	ANGLE, 1 3/4" X 1 3/4" X 3/16"	ASTM A276 TYPE 304/304L	4,5,13	70

PARTS LIST/MATERIAL LIST

QTY REQD -080	-070	-060	-050	-040	-030	-020	-010	PARTS / DASH NUMBER	NOMENCLATURE/DESCRIPTION	MATERIAL/REFERENCE	SHEET	ITEM NO
								-010	COVER BLOCK DUCT WELDMENT		2	1
								-020	INTAKE DUCT WELDMENT		2	2
								-030	EXHAUST DUCT WELDMENT		3	3
								-040	INNER HEATER HOUSING WELDMENT		4	4
								-050	OUTER HEATER HOUSING WELDMENT		5	5
								-060	ANNULAR SPACER WELDMENT		6	6
			1					-070	ENCLOSURE MOUNTING FRAME WELDMENT		5,7	7
					1			-080	EXHAUST DIFFUSER NOZZLE WELDMENT		3,8	8
												9
												10
												11
												12
												13
												14
								-001	OUTER HEATER HOUSING LID, SHEET, 10 GA, (.1345) THK	ASTM A240 TYPE 304/304L	8	15
								-002	HEATER MOUNTING SUPPORT, SHEET, 16 GA, (.0598) THK	ASTM A240 TYPE 304/304L	8	16
					3			-003	PIPE SUPPORT FIN, 1/4" THK	ASTM A240 TYPE 304/304L	3,8	17
					1			-004	DUCT TRANSITION PIECE, SHEET, 10 GA, (.1345) THK	ASTM A240 TYPE 304/304L	3,8	18
				4				-005	TOP SPACER FIN, SHEET, 16 GA, (.0598) THK	ASTM A240 TYPE 304/304L	4,8	19
				4				-006	BOTTOM SPACER FIN, SHEET, 16 GA, (.0598) THK	ASTM A240 TYPE 304/304L	4,8	20
			1					-007	OUTER HOUSING SUPPORT FLANGE, 10 GA, (.1345) THK	ASTM A240 TYPE 304/304L	5,8	21
				1				-008	INNER HOUSING TOP, SHEET, 10 GA, (.1345) THK	ASTM A240 TYPE 304/304L	4,9	22
				1				-009	INNER HOUSING MIDDLE, SHEET, 10 GA, (.1345) THK	ASTM A240 TYPE 304/304L	4,9	23
				1				-011	INNER HOUSING BOTTOM, SHEET, 10 GA, (.1345) THK	ASTM A240 TYPE 304/304L	4,9	24
			1					-012	OUTER HOUSING, SHEET, 10 GA, (.1345) THK	ASTM A240 TYPE 304/304L	5,10	25
			4					-013	OUTER HOUSING GUSSET, 3/16" THK	ASTM A240 TYPE 304/304L	5,10	26
		1						-014	ANNULAR SPACER TOP, SHEET, 16 GA, (.0598) THK	ASTM A240 TYPE 304/304L	6,10	27
		1						-015	ANNULAR SPACER MIDDLE, SHEET, 16 GA, (.0598) THK	ASTM A240 TYPE 304/304L	6,10	28
		1						-016	ANNULAR SPACER BOTTOM, SHEET, 16 GA, (.0598) THK	ASTM A240 TYPE 304/304L	6,10	29
	1							-017	MOUNTING FRAME SPACER, 3/16" THK	ASTM A240 TYPE 304/304L	7,11	30
	1							-018	MOUNTING FRAME ANGLE, 1 1/8" X 1 1/8" X 1/8"	ASTM A276 TYPE 304/304L	7,11	31
	1							-019	MOUNTING FRAME MIDDLE SUPPORT, 3/16" THK	ASTM A240 TYPE 304/304L	7,11	32
	2							-021	MOUNTING FRAME OUTER SUPPORT, 3/16" THK	ASTM A240 TYPE 304/304L	7,11	33
1								-022	DIFFUSER HOUSING, SHEET, 10 GA, (.1345) THK	ASTM A240 TYPE 304/304L	8,11	34
11								-023	DIFFUSER LOUVER, SHEET, 10 GA, (.1345) THK	ASTM A240 TYPE 304/304L	8,11	35
							1	-024	COVER BLOCK MOUNTING PLATE, 1/2" THK	ASTM A240 TYPE 304/304L	2,12	36
	1							-025	MOUNTING FRAME TOP SPACER, 3/16" THK	ASTM A240 TYPE 304/304L	7,9	37
	1							-026	MOUNTING FRAME TOP ANGLE, 1 1/8" X 1 1/8" X 1/8"	ASTM A276 TYPE 304/304L	7,9	38
												39

DWG NUMBER	TITLE
DRAWING TRACEABILITY LIST	

REF NUMBER	TITLE
H-14-110348	IN PIT HEATING HEATER TOP LEVEL ASSEMBLY
REFERENCES	
NEXT USED ON	

REV NO.	DATE	DESCRIPTION
0		INITIAL RELEASE PER EDT-850167
REVISIONS		

DATE: Apr 06, 2015

BLDG. NO. 241G

CAUTION NOT COMPLETE WITHOUT CURRENT CHANGE DOCUMENTS FROM DATABASE

ATTENTION DESTROY THIS DOCUMENT BY SHREDDING MAY CONTAIN SENSITIVE INFORMATION

	NAME	DATE	COMPANY
DRAWN	M R DILLARD		
CHECKED	Z J FITZGERALD		
ENGINEER	R P PETERS		

U.S. DEPARTMENT OF ENERGY
Office of River Protection

IN PIT HEATING MECHANICAL FABRICATION

SIZE F | DRAWING NUMBER H-14-110349 | SHEET 1 | REV 00

SCALE NONE

15653

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