

ISOMETRIC VIEW

VOGT POWER INTERNATIONAL
V17494-DWXD-7000-04
09-Apr-2016

Q'ty 1 PC(s) REQUIRED MARKED DWID-B1

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPROD.
4	05/04/16	REV. AS PES VPL DESIGN (DWG.V17494-DWID-0052 Rev.2)	S.KOSIN		
3	13/01/16	ADD PART No.1p-84	W.Tawalchai		
2	26/12/15	CHANGE DESCRIPTION	W.Tawalchai		
1	19/11/15	ADD SUPPORT REF. DWG.(V17494-DWID-0011_REV.0)	W.Tawalchai		
0	02/11/15	FIRST ISSUE	W.Tawalchai		

MATERIAL LIST FOR ASSEMBLY MK'D				DWID-B1-1		Q'TY : 1		No. Required
Part No.	Description	Width	Length	Q'ty	Material	Weight	Area	
1a-7	L-90X90X10		6604	1	G3101 SS400	88.15	2.38	
1a-9	L-90X90X10		6578	1	G3101 SS400	87.80	2.37	
1m-3	H-400X400X13X21		6568	2	G3101 SS400	2255.18	31.22	
1m-6	H-400X400X13X21		2425	2	G3101 SS400	832.65	10.14	
1m-33	C-200X80X7.5X11		3113	2	G3101 SS400	153.12	4.36	
1m-34	C-200X80X7.5X11		3113	2	G3101 SS400	153.12	4.36	
1p-6	PL-28	400	720	4	G3101 SS400	253.21	2.55	
1p-19	PL-12	179	189	4	G3101 SS400	12.75	0.30	
1p-30	PL-10	189	357	6	G3101 SS400	31.78	0.87	
1p-57	PL-6	50	279	2	G3101 SS400	1.31	0.05	
1p-63	PL-15	160	280	8	G3101 SS400	42.21	0.50	
1p-66	PL-12	120	120	4	G3101 SS400	5.43	0.14	
1p-79	PL-25	500	840	2	A-240 TP304	166.53	1.77	
1m-4	CUT H-400X400X13X21		1083	2	G3101 SS400	371.86	1.91	
1m-5	CUT H-400X400X13X21		3113	2	G3101 SS400	1068.88	7.36	
1m-178	STUD 1/2" 13 UNC T.P.I.		552	1	A-479 TP304*	0.52	0.02	
1m-187	STUD 1/2" 13 UNC T.P.I.		257	20	A-479 TP304*	4.87	0.21	
1p-21	CASING PL-10	3110	6578	1	G3101 SS400	1605.92	20.55	
1m-125	M20 NUT		-	9	A-563	1.16	0.04	
1m-163	INSULATION, 2" THK, 8# DENSITY		OD.102	5	SUPERWOOL PLUS	0.01	0.15	
1m-165	HEX NUT 1/2"		-	42	F594 TP304*	1.08	0.06	
1m-188	INSULATION, 2" THK, 8# DENSITY		OD.303	20	SUPERWOOL PLUS	0.41	3.70	
1m-191	40 Mesh Wire Dia: 0.22mm		-	1	Stainless steel	0.00	0.07	
1m-62	4" NB-150# GASKET 3 Thk.		-	1	NON-METALLIC	0.00	0.04	
1m-98	3" NB-150# RF SLIP ON FLANGE		-	1	ASTM A105	4.50	0.07	
1m-99	3" NB-150# BLIND FLANGE		-	1	ASTM A105	5.50	0.07	
1m-100	3" NB-150# GASKET 3 Thk.		-	1	NON-METALLIC	0.00	0.03	
1m-102	4" NB-150# BLIND FLANGE		-	1	ASTM A105	8.00	0.10	
1m-103	4" NB-150# RF SLIP ON FLANGE		-	1	ASTM A105	5.90	0.11	
1m-97	PIPE 3" SCH.40 (OD.88.9 X 5.49 THK.)		146	1	A-106 Gr.B	1.65	0.04	
1m-162	PIPE 12" SCH.40S (OD.323.9 X 9.53 THK.)		961	2	A-312 TP304	154.81	1.97	
1m-169	PIPE 4" SCH.40S (OD.114.3 X 6.02 THK.)		542	1	A-312 TP304	8.80	0.20	
1m-184	PIPE 12" SCH.40S (OD.323.9 X 9.53 THK.)		952	2	A-312 TP304	153.36	1.96	
1p-67	PL-10	ID.200	OD.400	4	A-240 TP304	50.67	0.83	
1p-72	PL-16	ID.260	OD.421	2	A-240 TP304	44.90	0.41	
1p-83	PL-6	ID.327	OD.533	2	A-240 TP304	26.99	0.59	
1p-84	PL-6	ID.327	OD.533	2	A-240 TP304	26.99	0.56	
1m-113	WASHER PL-12 GA. (3mm)	ID.14	OD.98	2	A-240 TP409	0.35	0.03	
1m-181	WASHER PL-12 GA. (3mm)	ID.14	OD.76	40	A-240 TP409	4.11	0.38	
1m-189	WASHER PL-12 GA. (3mm)	ID.14	OD.290	4	A-240 TP409	6.09	0.53	
B1675	BOLT M16 X 75 (B.J.)			4	A-307	0.53	0.00	
SB1695	STUD M16X95 WITH 2 OFF NUTS			8	A-307	1.25	0.00	
Total						7642.34	102.98	

UNIT 1


Project Owner's : Gemma Power System,LLC
Project Name: Middletown Energy Center Project
Vogt Power International Job No./Cost symbol: V17494 / DW
Vogt Power International Doc. No. :
Vogt Power International P.O. No.V0009490

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TITLE		VOGT POWER INTERNATIONAL MIDDLETOWN ENERGY CENTER PROJECT		ISO-A 	
		BOTTOM PANEL		JOB NO. 1711	
REF.DWG.NO.		VIPCO DWG.NO.		REV	
Y15-1711-E0101~E0104		Y15-1711- DWID-B1-01		4	