



ISOMETRIC VIEW

VOGT POWER INTERNATIONAL  
V17494-DWXD-7030-02  
09-Apr-2016

Q'ty 1 PC(s) REQUIRED MARKED DWID-R1

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPROD.
2	05/04/16	REV. AS PES VPL DESIGN (DWG.V17494-DWID-0052 Rev.2)	S.KOSIN		
1	21/11/15	REVISED REF. DWG.(V17494-DWID-0036_REV.02)	W.Tawalchai		
0	01/12/15	FIRST ISSUE	K.SOIN		

MATERIAL LIST FOR ASSEMBLY MK'D				DWID-R1-1		Q'TY :		1 No. Required	
Part No.	Description	Width	Length	Q'ty	Material	Weight	Area		
1a-5	L-90X90X10		6495	1	G3101 SS400	86.70	2.31		
1a-8	L-90X90X10		6489	1	G3101 SS400	86.62	2.34		
1a-22	L-90X90X10		3046	1	G3101 SS400	40.66	1.10		
1a-23	L-90X90X10		3046	1	G3101 SS400	40.66	1.10		
1m-1	H-400X400X13X21		8653	2	G3101 SS400	2971.09	41.17		
1m-13	PIPE 1/2" SCH.80 (OD.21.3 X 3.73 THK.)		271	2	A-312 TP304	0.88	0.04		
1m-27	C-200X80X7.5X11		2425	6	G3101 SS400	357.84	9.66		
1m-28	C-200X80X7.5X11		463	6	G3101 SS400	68.25	1.56		
1m-71	C-200X80X7.5X11		1524	1	G3101 SS400	37.48	1.05		
1m-72	C-200X80X7.5X11		1110	1	G3101 SS400	27.29	0.76		
1m-157	PIPE 4" SCH.40 (OD.114.3 X 6.02 THK.)		453	1	A-312 TP304	7.36	0.16		
1m-161	PIPE 1/2" SCH.80 (OD.21.3 X 3.73 THK.)		453	3	A-312 TP304	2.22	0.09		
1p-1	PL-38	457	457	1	A572-GR.50	62.30	0.49		
1p-2	PL-6	50	309	6	G3101 SS400	4.36	0.17		
1p-12	PL-12	187	346	8	G3101 SS400	48.76	1.07		
1p-15	PL-12	175	346	8	G3101 SS400	45.63	1.02		
1p-16	PL-12	314	660	2	G3101 SS400	39.04	0.86		
1p-17	PL-12	314	720	2	G3101 SS400	42.59	0.94		
1p-25	PL-10	174	179	6	G3101 SS400	14.67	0.41		
1p-46	PL-38	457	457	1	A572-GR.50	62.30	0.49		
1p-56	PL-3	15	162	32	G3101 SS400	1.83	0.19		
1p-57	PL-5	50	279	2	G3101 SS400	1.31	0.05		
1p-66	PL-12	120	120	4	G3101 SS400	5.43	0.14		
1m-14	SOCKET COUPLING-3/4"x1/2" 3000#		35	2	TP304	0.54	0.02		
1m-164	STUD 1/2" 13 UNC T.P.I.		465	1	A-479 TP304	0.44	0.02		
1p-23	CASING PL-10	3110	6489	1	G3101 SS400	1544.96	19.79		
1m-125	M20 NUT		-	18	A-563	2.31	0.07		
1m-163	INSULATION, 2" THK, 8# DENSITY		OD.102	3	SUPERWOOL PLUS	0.01	0.09		
1m-165	HEX NUT 1/2"		-	2	F594 TP304	0.05	0.00		
1m-192	40Mesh Wire Dia: 0.22mm		-	1	Stainless steel	0.00	0.04		
1m-82	4"NB-150# GASKET 3 THK		-	1	NON-METALLIC	0.00	0.04		
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-158	1/2"NB-150# RF.SLIP ON FLANGE		-	3	ASTM A105	1.80	0.05		
1m-159	1/2"NB-150# BLIND FLANGE		-	3	ASTM A105	3.60	0.04		
1m-160	1/2"NB-150# GASKET 3 THK		-	3	NON-METALLIC	6.60	0.00		
1m-113	WASHER PL-12 GA. (3mm)	ID.14	OD.98	2	A-240 TP409	0.35	0.03		
SB1695	STUD M16x95 WITH 2 OFF NUT			8	A307	1.25	0.00		
Total						5631.07	87.58		

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

This drawing contains Visavakit Patana Corp., Ltd.'s confidential and proprietary information and cannot be used, duplicated or disclosed in whole or in part, except with the express written permission of Visavakit Patana Corp., Ltd.  
© Visavakit Patana Corp., Ltd. all rights reserved as an unpublished work.

**VISAVAKIT PATANA CORPORATION LIMITED**  
OFFICE : 215/148-149 Prachard 1 Road , Bangkok 10800 Tel. : 0-2585-2556-8 Fax : 0-2587-6068  
PLANT 1 : 28/2 Moo 4 , Soi Chai Uo , Pathumthani 12000 Tel.:0-2975-2811-4 Fax: 0-2975-2815  
PLANT 2 : 52 Moo7 , Kubangluang , Ladlumbkaew , Pathumthani 12140 Tel.:0-2979-4001-9 Fax:0-2979-4010  
www.vipco-thai.com Email : vipco@vipco-thai.com

TITLE		VOGT POWER INTERNATIONAL MIDDLETOWN ENERGY CENTER PROJECT		ISO-A (30)
RIGHT SIDE PANEL				JOB NO.
				1711
REF.DWG.NO.	Y15-1711-E0101-E0107	VIPCO DWG.NO.	Y15-1711- DWID-R1-01	REV
				2