

MATERIAL LIST FOR ASSEMBLY MK'D 1711-DR020 Q'TY: 2										No. Required	
Part No.	Description		Length	Qty	Material	Weight (kg)	Area (m2)				
01	PLATE 10		787	940	2	G3101 SS400	53.38	1.36			
02-1	L-100x100x10			878	4	G3101 SS400	52.33	1.37			
02-2	L-100x100x10			726	4	G3101 SS400	43.27	1.13			
03	RB-3/4"			534	2	G3123 SGD400-D	2.38	0.06			
04-1	PLATE-16GA 1.5		486	667	4	A-240 TP309S	12.00	2.00			
04-2	PLATE-16GA 1.5		486	819	4	A-240 TP309S	15.84	2.64			
05	INSULATION, 2" THK, 8# DENSITY			1 ROLL	10	SUPERWOOL PLUS	6.40	1.00 m2			
06	RB-1 1/2"			1,113	2	G3123 SGD400-D	19.81	0.27			
07	PLATE 10		ID.40	OD.64	2	G3101 SS400	0.50	0.01			
08	RB-1/2"			348	2	G3123 SGD400-D	0.72	0.03			
09	PLATE 10		152	229	2	G3101 SS400	5.46	0.14			
10	PLATE 10		38	48	32	G3101 SS400	4.58	0.12			
11	PLATE 10		51	54	16	G3101 SS400	3.46	0.09			
12	PLATE 10		76	344	2	G3101 SS400	4.10	0.10			
13	SQUARE SHOULDERED SOLID ROD END BLACK OXIDE 5/8"-11 THREADS McMaster-CARR PART 58995K21				16		-	-			
13-1	FORGED EYE-BOLT 1/2"-13x4" GALVANIZED STEEL PER DETAIL (BOLT DEPOT P/N 13397 OR EQUAL) WITH (2) NUTS AND (1) WASHER				2	GALVANIZED	-	-			
14	EASY GRIP HANDLE MALLEABLE IRON W/ZINC PLATED FINISH 5/8"-11 THREADS				16	MALLEABLE IRON W/ZINC	-	-			
15	CLEVIS PIN WITH REUSABLE COTTER PIN, ZINC PLATED 1/2" DIA. X2" LONG				16	ZINC PLATED	-	-			
16	SCREWS, #10x3/8" LG. LOW PROFILE, SELF THREADING				56	SS	-	-			
17	TAD POLE GASKET (-40°F TO 2300°F) SILICA WINCONEL CORE, 3/4" BULB DIA. X 1 1/2" WIDE, McMaster CARR P/N: 8853K26 (L.F.)				18		-	-			
18	ADHESIVE, TUBE OF HIGH TEMP RED SILICONE				2	SILICONE	-	-			
19	FLAT WASHER ZINC-PLATED, 5/8" DIA.				16	ZINC-PLATED	-	-			
20	PLATE 10		648	800	2	G3101 SS400	81.39	2.07			
21	PLATE 10		75	584	4	G3101 SS400	13.75	0.35			
22	PLATE 10		75	160	8	G3101 SS400	7.54	0.19			
23	PLATE 10		65	83	32	G3101 SS400	13.55	0.35			
25	RB-1/2"			268	4	G3123 SGD400-D	1.11	0.04			
26-1	PLATE-16GA 1.5		159	696	4	A-240 TP309S	5.28	0.88			
26-2	PLATE-16GA 1.5		159	543	4	A-240 TP309S	4.32	0.72			
27	PLATE-16GA 1.5		531	683	2	A-240 TP309S	8.40	1.40			
28	STUD, 3/8" (10mm)			172	10	A479 TP309S	1.07	0.05			
29	PLATE-16GA 1.5		ID.11	OD.76	20	A-240 TP309S	1.09	0.18			
30	HEX NUT 3/8"				20	F594 TP304*	0.24	-			
31	TAD POLE GASKET (-40°F TO 2300°F) SILICA WINCONEL CORE, 3/4" BULB DIA. X 1 1/2" WIDE, McMaster CARR P/N: 8853K26 (L.F.)				18		-	-			
32	ADHESIVE, TUBE OF HIGH TEMP RED SILICONE				2	SILICONE	-	-			
33	SCREWS, #10x3/8" LG. LOW PROFILE, SELF THREADING				56	SS	-	-			
34	INSULATION, 2" THK, 8# DENSITY			1 ROLL	6	SUPERWOOL PLUS	14.59	2.28 m2			
35	FLAT WASHER ZINC-PLATED, 9/16" DIA.				16	ZINC-PLATED	-	-			
35-1	INSULATION, 1" THK, 8# DENSITY			1 ROLL	2	SUPERWOOL PLUS	1.73	0.54 m2			
37	PLATE-16GA 1.5		607	1,017	2	A-240 TP309S	14.82	2.47			
38	PLATE-16GA 1.5		281	527	4	A-240 TP309S	6.24	1.04			
39	PLATE-16GA 1.5		454	607	2	A-240 TP309S	5.76	0.96			
40	PLATE-16GA 1.5		219	219	4	A-240 TP309S	1.92	0.32			
41	PLATE 10		51	51	10	A-240 TP309S	2.08	0.05			
42	RB-1/2"			178	4	A-276 TP309S	0.74	0.03			
43	STUD, 3/8" (10mm)			191	2	A-479 TP309S	0.40	0.02			
44	PLATE-16GA 1.5		ID.11	OD.76	4	A-240 TP309S	0.22	0.04			
45	HEX NUT 3/8"				4	F594 TP304*	0.05	-			
46	INSULATION, 2" THK, 8# DENSITY			1 ROLL	8	SUPERWOOL PLUS	14.34	2.24 m2			
1711-DR020 Total							424.87	26.54			

VOGT POWER INTERNATIONAL	
Review Waived	
Bell, Milton	Mar-28-2016

VOGT POWER INTERNATIONAL
V17494-DRXD-5017-01
21-Mar-2016

UNIT 1

Project Owner's : Gemma Power System, LLC
Project Name : Middletown Energy Center Project
Vogt Power International Job No./Cost symbol: V17494/ DR
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 Prachand 1 Road, Bangsue, Bangkok 10800 Tel: 0-2585-2556-8 Fax: 0-2587-6068
PLANT 1 28/2 Moo4, Soi Chai Ua, Pathumthani 12000 Tel: 0-2975-2811-4 Fax: 0-2975-2815
PLANT 2 52 Moo7, Kubangluang, Ladunikoew, 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
18"x24" ACCESS DOOR ASSEMBLY
(DR020) FOR 13" INSULATION (BURNER DUCT)
REF.DWG.NO. V17494-DRND-0003~0005
VIPCO DWG.NO. Y15-1711-DR020-010
ISO-A (Ind)
JOB NO. 1711
REV 3

3	27/02/16	REV. REF V17494-DRND-0005_R.01	Sanguanchai	Chatchai	
2	03/12/15	REV. DESCRIPTION	Sanguanchai		
1	26/11/15	REVISION GR. MAT'L	Sanguanchai		
0	03/11/15	FIRST ISSUE	Sanguanchai		
REV.	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED