



BILL OF MATERIALS			
PART NO.	QTY.	DESCRIPTION	MAT'L. SPEC.
01	85	SO. FT. PLATE, 1" (25mm) THK.	A387Gr11C1
02	67	SO. FT. PLATE, 1/2" (12mm) THK.	A387Gr11C1
03	8	SPACER WASHER, 1/4" THK. x 2 3/4" OD x 1 5/16" ID	A387Gr11C1
04	6	SO. FT. PLATE, 1/4" (6mm) THK.	A387Gr11C1
05	4	SO. FT. PLATE, 1 1/4" (32mm) THK.	A387Gr11C1
06	2	SO. FT. PLATE, 1 1/8" (28mm) THK.	A387Gr11C1
07	4	LIN. FT. BAR, 1/2" x 2" (12mmx50mm)	A387Gr11C1
08	2	LIN. FT. BAR, 1/2" x 1" (12mmx25mm)	A387Gr11C1
09	28	3/8" DIA. 1" LG. STUD (FULL THREAD)	A108 TP1010
10	28	12 GA. 3" O.D., 1/16" I.D. WASHER	A-1011CS
11	28	3/8" DIA. REGULAR HEX NUT	A563 GR.A

PART NUMBERS ARE TO HAVE THE PREFIX OF "BM" FOR EXAMPLE:
"12" (ASSEMBLY) + "01" (PART #) WOULD BE "BM1201"

- GENERAL NOTES:**
- ALL S.S. WELDING TO BE IN ACCORDANCE WITH AWS D1.6 STRUCTURAL WELDING CODE LATEST EDITION.
 - DELETED
 - ALL ROUND HOLES TO BE PUNCHED OR DRILLED. SLOTTED HOLES MAY BE BURNED. IF BURNED, CLEAN AND GRIND IF NECESSARY.
 - CENTER PUNCH GAS FLOW DIRECTION ON TOP OF THE BUMPER AT CENTERLINE.
 - FABRICATOR TO SHOP FIT BM12 TO BM13'S (CHECK FOR EASE OF MOVEMENT). MATCH MARK PARTS AND SHIP TO JOB SITE AS (1) ASSEMBLY.
 - QUANTITIES SHOWN ARE FOR (1) ONE UNIT:
-(1) ONE UNIT REQUIRED FOR MIDDLETOWN PROJECT,
-(1) ONE UNIT REQUIRED FOR KINGS MOUNTAIN PROJECT.

REFERENCE DRAWINGS:

V17494-ERND-0017 - FIELD CONNECTIONS - MODULE BUMPER INSTALLATION (ER50)

V17494-BSND-0300 - FIELD CONNECTIONS BOX 2 BASEMENT BAFFLE ASSEMBLY

Rev.	Description	Date	Drawn	Chkd.	Appr.
04	FLIPPED SECTION ARROW (ENSURE STUDS ARE ON DOWNSTREAM SIDE)	10-MAY-16	DR	REEVES	-
03	REVISED REFERENCE DRAWING NUMBER	29-APR-16	DR	REEVES	-
02	ADDED BAFFLE ATTACHMENT STUDS	21-MAR-16	SD	REEVES	-
01	DELETED NOTE 2	22-FEB-16	DR	REEVES	-
00	INITIAL ISSUE	17-FEB-16	BML	BJD	-
Rev.	Description	Date	Drawn	Chkd.	Appr.
Revisions					

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MIDDLETOWN ENERGY CENTER and KINGS MOUNTAIN ENERGY CENTER for NTE ENERGY and GEMMA POWER SYSTEMS

VOGT POWER PROJECTS V17494 & V17495

Title
BUMPERS & SUPPORT BRACKET ASSEMBLIES BOX 2, COLUMN "J"

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Internal Drawing Status	Size	Drawing No.	Rev.
FOR RECORD	D	V17494-BMND-0002	04