



BILL OF MATERIALS				
PART NO.	QTY.	DESCRIPTION	MAT'L. SPEC.	
1A	91	SO. FT. OF PLATE, (6mm) THK	JIS G3101 SS400	
2B	111	SO. FT. OF SHEET, 12 GA (3mm) THK.	A-1011 CS	
3A	9	LN. FT. OF BEAM, H150x75x5x7	JIS G3101 SS400	
8B	215	SO. FT. OF INSULATION, 2" THK. 8# DENSITY	SUPERWOOL PLUS	

PART NUMBERS ARE TO HAVE THE PREFIX OF "BC". FOR EXAMPLE, "50B"(ASSEMBLY) + "1A" (PART NUMBER) WOULD BE "BC50B1A"

GENERAL NOTES:

- SEE V17494-MANC-0001 FOR "EQUIPMENT SPECIFICATION FOR SHOP FABRICATED MODULE BOX ASSEMBLY FOR HEAT RECOVERY STREAM GENERATOR."
- ALL STEEL WORK SHALL COMPLY WITH THE AMERICAN INSTITUTE OF STEEL FABRICATION (AISC) SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL.
- PROVIDE 3/4" (19mm) DIA. DRAIN HOLES IN STRUCTURALS WHERE NECESSARY TO ENSURE WATER DRAINAGE DURING SHIPMENT AND AFTER ERECTION.
- ALL BOLT HOLES ARE TO BE PUNCHED OR DRILLED.
- TRIM LINER & WASHERS WITH 1/4" CLEARANCE AROUND BEAM LUGS AT TIME OF ASSEMBLY.
- ALL WELDING TO BE DONE IN ACCORDANCE WITH AWS D1.1 STRUCTURAL WELDING CODE, CURRENT EDITION USING E70XX ELECTRODES. VENDOR IS RESPONSIBLE FOR THE WELD END PREPARATION OF ALL FIELD WELDS.
- SEAL WELD ALL STRUCTURALS TO CASING AND OTHER STRUCTURALS. PRESSURE CASING TO BE SEAL WELDED GAS TIGHT.
- ALL WELDS TO BE P1-P1 UNLESS NOTED OTHERWISE.
- ALL INSULATION TO BE COMPRESSED APPROX. 1/8" PER 1" TO GIVEN THICKNESS.
- DENOTES STUDS TO HAVE WASHER AND NUT FINGER TIGHT ONLY. DO NOT TACK WELD UNTIL AFTER FIELD LINERS AND CONNECTIONS ARE MADE IN THE FIELD.
- TOTAL APPROX. WEIGHT:
BC50B: 6,075 lbs. / 2,755 kg.
WEIGHT MAY BE GREATER IF INSULATION IS WET.
- QUANTITIES SHOWN ARE FOR ONE (1) UNIT:
-(1) ONE UNIT REQUIRED FOR MIDDLETOWN PROJECT.
-(1) ONE UNIT REQUIRED FOR KING MOUNTAIN PROJECT.
- IMPERIAL DIMENSIONS TAKE PRECEDENCE OVER METRIC. METRIC DIMENSIONS ARE TO BE VERIFIED TO THE IMPERIAL BEFORE USE.

REFERENCE DRAWINGS:

V17494-BCND-0050 - BOTTOM CASING BOX 5 (BC50B & BC50C)
V17494-BCND-0052 & 0053 - BOTTOM CASING BOX 3 THRU 5 DETAILS
V17494-BCND-0090 - STANDARD CASING & LINER DETAILS
V17494-EBND-0103 - STANDARD FABRICATION TOLERANCES FOR TOP AND BOTTOM CASINGS

Rev.	Description	Date	Drawn	Chkd.	Appr.	
01	REVISED TRIM LINER AND WASHERS	11-DEC-15	PN	JONES	-	FRY
00	FIRST ISSUE	09-NOV-15	SK	JONES	-	FRY

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: **BOTTOM CASING BOX5 BC50B**

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Internal Drawing Status	Size	Drawing No.	Rev.
FOR RECORD	D	V17494-BCND-0051	01