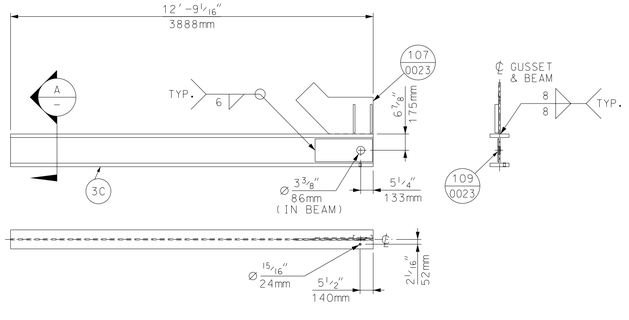
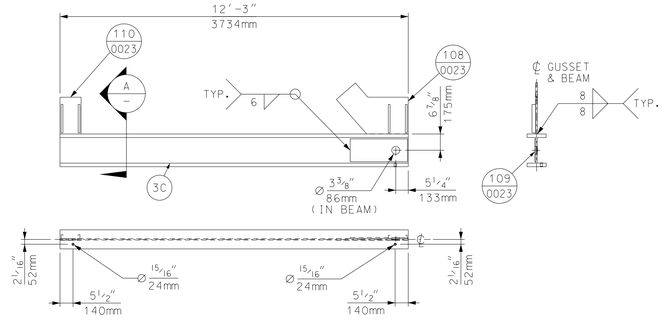


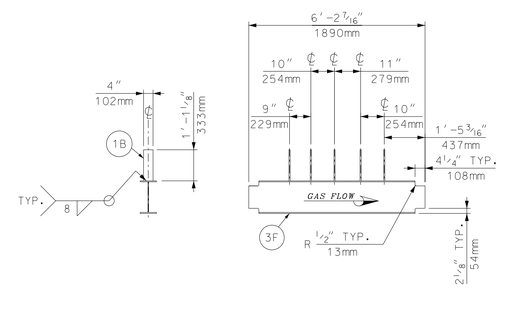
BEAM ASSEMBLY 101,102 / 0010

ASS'Y 101 FRONT BOX 1A & BACK BOX 1C (SHOWN)
ASS'Y 102 FRONT BOX 1C & BACK BOX 1A (OPPOSITE)



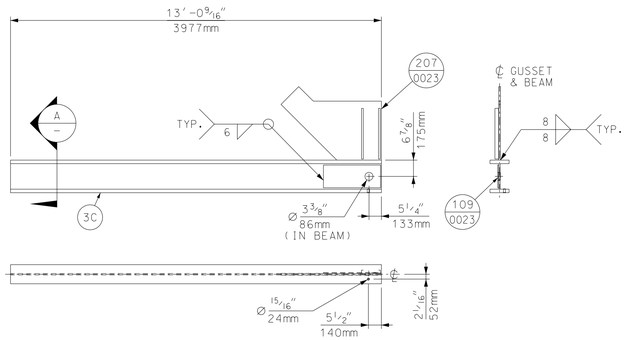
BEAM ASSEMBLY 103,104 / 0011

ASS'Y 103 FRONT BOX 1B (SHOWN)
ASS'Y 104 BACK BOX 1B (OPPOSITE)



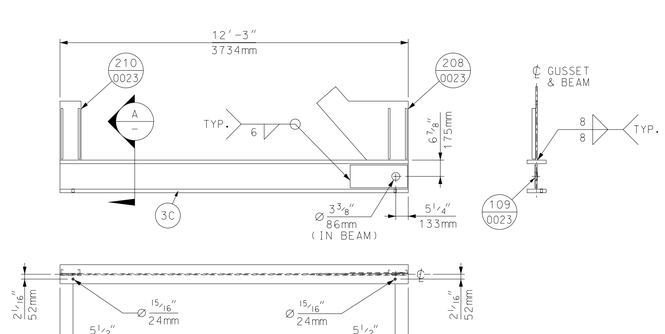
BEAM ASSEMBLY 105 / 0010,0011

(2) REQ'D BC10A - BOX 1
(2) REQ'D BC10B - BOX 1
(2) REQ'D BC10C - BOX 1



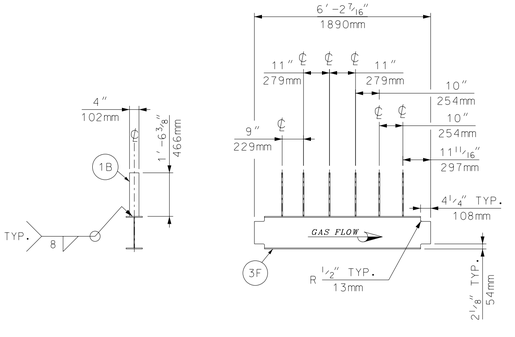
BEAM ASSEMBLY 201,202 / 0020

ASS'Y 201 FRONT BOX 2A & BACK BOX 2C (SHOWN)
ASS'Y 202 FRONT BOX 2C & BACK BOX 2A (OPPOSITE)



BEAM ASSEMBLY 203,204 / 0021

ASS'Y 203 FRONT BOX 2B (SHOWN)
ASS'Y 204 BACK BOX 2B (OPPOSITE)



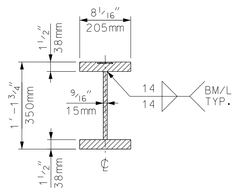
BEAM ASSEMBLY 205 / 0020,0021

(2) REQ'D BC20A - BOX 2
(2) REQ'D BC20B - BOX 2
(2) REQ'D BC20C - BOX 2

WELD NDT REQUIREMENTS

SEISMIC WELD CONSEQUENCE CATEGORY	SEISMIC WELD DEMAND CATEGORY A	SEISMIC WELD DEMAND CATEGORY B	SEISMIC WELD DEMAND CATEGORY C
H	CJP MT 100% OF JOINTS, FULL LENGTH UT 100% OF JOINTS, FULL LENGTH PJP, FILLETS MT 100% OF JOINTS, FULL LENGTH	CJP MT 100% OF JOINTS, FULL LENGTH IF TRANSVERSELY LOADED, PARTIAL LENGTH IF LONGITUDINALLY LOADED. UT 100% OF JOINTS, FULL LENGTH IF TRANSVERSELY LOADED, PARTIAL LENGTH IF LONGITUDINALLY LOADED. (REDUCE UT TO 25% OF JOINTS, OF LENGTH ABOVE, WITH LOW REJECT RATE) PJP, FILLETS MT 25% OF JOINTS, FULL LENGTH IF TRANSVERSELY LOADED, PARTIAL LENGTH IF LONGITUDINALLY LOADED.	CJP UT 10% OF JOINTS, FULL LENGTH IF TRANSVERSELY LOADED, PARTIAL LENGTH IF LONGITUDINALLY LOADED. PJP, FILLETS MT 10% OF JOINTS, 6" SPOT AT RANDOM
M	CJP MT 100% OF JOINTS, FULL LENGTH UT 100% OF JOINTS, FULL LENGTH (REDUCE UT TO 25% OF JOINTS, FULL LENGTH, WITH HIGH ACCEPTANCE RATE) PJP, FILLETS MT 100% OF JOINTS, FULL LENGTH	CJP MT 100% OF JOINTS, FULL LENGTH IF TRANSVERSELY LOADED, PARTIAL LENGTH IF LONGITUDINALLY LOADED. UT 100% OF JOINTS, FULL LENGTH IF TRANSVERSELY LOADED, PARTIAL LENGTH IF LONGITUDINALLY LOADED. (REDUCE UT TO 25% OF JOINTS, OF LENGTH ABOVE, WITH LOW REJECT RATE) PJP, FILLETS MT 25% OF JOINTS, FULL LENGTH IF TRANSVERSELY LOADED, PARTIAL LENGTH IF LONGITUDINALLY LOADED.	NO NDT REQUIRED
L	CJP MT 25% OF JOINTS, FULL LENGTH UT 25% OF JOINTS, FULL LENGTH PJP, FILLETS MT 10% OF JOINTS, 6" SPOT AT RANDOM	CJP UT 10% OF JOINTS, FULL LENGTH PJP, FILLETS MT 10% OF JOINTS, 6" SPOT AT RANDOM	NO NDT REQUIRED

REFERENCE NOTES 4, 5, 6 & 7



SECTION A / –

B350x205x15x38
SCALE: 1″=1′-0″

BILL OF MATERIALS

PART NO.	QTY.	DESCRIPTION	MAT'L. SPEC.
1B	30	SQ. FT. OF PLATE, (12mm) THK	JIS G3101 SS400
3C	153	LN. FT. OF BEAM, B350x205x15x38	ASTM A572-50
3F	75	LN. FT. OF BEAM, H350x175x7x11	JIS G3101 SS400

PART NUMBERS ARE TO HAVE THE PREFIX OF "BC". FOR EXAMPLE, "10A"(ASSEMBLY) + "1A" (PART NUMBER) WOULD BE "BC10A1A"

NOTES:

1. SEE ASSEMBLY DRAWINGS FOR GENERAL NOTES.
2. ALL WELDS P1-P1, UNLESS INDICATED OTHERWISE.
3. QUANTITIES SHOWN ARE FOR (1) ONE UNIT.
   -(1) ONE UNIT REQUIRED FOR MIDDLETOWN PROJECT.
   -(1) ONE UNIT REQUIRED FOR KINGS MOUNTAIN PROJECT.
4. UT IS ONLY REQUIRED WHEN THE WELD THROAT IS 5/16"(8mm) OR GREATER
5. REDUCE THE RATE OF UT, WHERE NOTED, IF AFTER 40 WELDS AN INDIVIDUAL WELDER'S REJECT RATE IS LESS THAN 5%
6. PARTIAL LENGTH TESTING IS APPLICABLE FOR LONGITUDINAL LOADED WELDS OVER 24 INCHES(600mm) LONG. INSPECT SIX INCHES(150mm) AT THE BEGINING AND END OF EACH WELD, PLUS ANY LOCATION ALONG THE WELD WHERE A START OR RESTART IS VISUALLY NOTED FOR A DISTANCE OF SIX INCHES(150mm) ON EITHER SIDE OF THE START/STOP LOCATION, AND A SIX INCH LENGTH (150mm) FOR EVERY TEN FEET (3M) FOR A GIVEN WELD.
7. THE QA/QC CATEGORY IS LISTED FOR EVERY DEMAND CRITICAL WELD. IT HAS THREE LETTERS WITH A FORWARD SLASH (/) SEPARATING THE SECOND AND THIRD LETTERS. (E.G. AH/T)
   - THE FIRST LETTER OF THE QA/QC CATEGORY IS THE SEISMIC WELD DEMAND CATEGORY (A, B, OR C).
   - THE SECOND LETTER OF THE QA/QC CATEGORY IS THE SEISMIC WELD CONSEQUENCE CATEGORY (H, M, OR L).
   - THE THIRD LETTER OF THE QA/QC CATEGORY (AFTER THE SLASH) IS THE DIRECTION OF LOAD (T OR L).

REFERENCE DRAWINGS:

V17494-BCND-0010 - BOTTOM CASING BOX 1 (BC10A & BC10C)
V17494-BCND-0011 - BOTTOM CASING BOX 1 (BC10B)
V17494-BCND-0020 - BOTTOM CASING BOX 2 (BC20A & BC20C)
V17494-BCND-0021 - BOTTOM CASING BOX 2 (BC20B)
V17494-BCND-0023 - BOTTOM CASING BOX 1 THRU 2 DETAILS
V17494-BCND-0090 - STANDARD CASING & LINER DETAILS
V17494-EBND-0103 - STANDARD FABRICATION TOLERANCES FOR TOP AND BOTTOM CASINGS

Rev.	Description	Date	Drawn	Chkd. 1	Chkd. 2	Appr.
00	FIRST ISSUE	4-DEC-15	SK/TA	JONES	--	FRY

Revisions

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

VOGT POWER PROJECTS V17494 & V17495

3rd ANGLE PROJECTION

Scale: 3/8" = 1'-0"

Title

BOTTOM CASING
BOX 1 THRU 2
DETAILS

Vogt Power International
13551 Triton Park Blvd
Suite 2000
Louisville, Ky. 40223 USA
www.VogtPower.com

Internal Drawing Status	Size	Drawing No.	Rev.
FOR RECORD	D	V17494-BCND-0022	00