

		PARTS LIST					
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	DESIGNATION	MATERIAL LIST DESCRIPTION	
1	1	309001	FRAME, ASSEMBLY, RH	-	-	ASSEMBLY, A36 BLADE & FRAME CONSTRUCTION w/ METALLIC STEP SEAT SEALING, Ø2" SS SHAFTS	
2	1	309002	FRAME, ASSEMBLY, LH	-	-	ASSEMBLY, A36 BLADE & FRAME CONSTRUCTION w/ METALLIC STEP SEAT SEALING, Ø2" SS SHAFTS	
3	1	309003	DRIVE & LINKAGE ASSEMBLY	-	-	ASSEMBLY, ADJUSTABLE PIPE LINKAGES w/ STANDARD FABRICATED CRANK ARMS	
4	1	P305154	ACTUATOR, GEARBOX ASSY	-	-	AUMA SA10.2/GS200.3	
5	6	P303621	LIMIT SWITCH, MECHANICAL	-	-	SCHMERSAL Z4VH 335-11z	
6	6	301806	TARGET, LIMIT SWTCH	-	-	WELDMENT	
7	1	305405	JUNCTION BOX, ASSEMBLY	-	-	ASSEMBLY, 3-OPEN & 3-CLOSE LIMITS w/ COMMON NEMA 4X CONNECTION ENCLOSURE	
8	1	309007	DRIVE GUARD, ASSEMBLY	-	-	WELDMENT	
9	1	162903	CBAM IDENTIFICATION TAG	304 SS	.02" THK	2.25" X 5"	
10	17	158285-0355	BOLT, HEX, 0.75-10 UNC X 1.5	GR 5			
11	17	160706-0015	NUT, HEX, 0.75-10 UNC	GR 5			
12	4	158285-3769	BOLT, HEX, 0.5-13 UNC X 1.5	GR 5 ZP	1/2"-13UNC	1 1/2" LONG, ZINC PLATED	
13	4	160711-0880	WASHER, FLAT, 0.531 ID X 1 OD X 0.063 THK	GR 5 ZP	Ø1/2"	NOMINAL, ZINC PLATED	
14	4	161295-0087	WASHER, LOCK, HELICAL, 0.502 ID X 0.869 OD X 0.125 THK	CS, ZP	Ø1/2"	NOMINAL, ZINC PLATED	
15	4	160706-0263	NUT, HEX, 0.5-13 UNC	GR 5 ZP	1/2"-13UNC	STANDARD	
16	12	161702-0254	SCREW, SOCKET HEAD CAP, 0.19-32 UNF X 1.75	GR 8 ZP			
17	12	161295-0081	WASHER, LOCK, HELICAL, 0.193 ID X 0.334 OD X 0.047 THK	CS, ZP			
18	12	160711-0713	WASHER, FLAT, 0.219" ID X 0.5" OD X 0.049" THK	GR 2 ZP			
19	12	161259-0017	NUT, HEX, 0.19-32 UNF	CS, ZP			

NOTES:

- ALL DIMENSIONS ARE INCHES [MILLIMETERS], UNLESS OTHERWISE NOTED
- QUANTITIES LISTED ARE FOR ONE (1) UNIT, TWO (2) UNIT REQUIRED
- UNIT SHIPS AS TWO (2) MAJOR ASSEMBLIES. DRIVE COMPONENTS, ACTUATOR, & LIMIT SWITCH ASSEMBLY SHIP LOOSE
- SURFACE PREPARATION & COATING TO BE COMPLETED PER CLIENT PAINTING SPECIFICATION, DOCUMENT NUMBER V17494-EBNC-0001, PURCHASED PARTS COATED PER MANUFACTURER STANDARD; PAINT SYSTEM SUMMARY BELOW:
INTERNAL
-SURFACE PREPARATION PER SSPC-SP-10
-ONE (1) COAT SHERWIN WILLIAMS B50, 2-3 MILS DFT
EXTERNAL
-SURFACE PREPARATION PER SSPC-SP-10
-ONE (1) COAT INORGANIC ZINC PRIMER, 2-4 MILS DFT
-NO TOP COAT REQUIRED
FIELD SPLICE AREA
-SURFACE PREPARATION PER SSPC-SP-10
-ONE (1) COAT INORGANIC ZINC WELDABLE PRIMER, 0.5 TO 0.8 MILS DFT
STAINLESS STEEL SURFACES ARE TO REMAIN UNCOATED
- FLOW ARROWS TO BE CLEARLY MARKED ON EXTERIOR OF EQUIPMENT TO INDICATE FLOW DIRECTION
- ALL SHIPPING BRACES ARE TO BE PAINTED SAFETY YELLOW AND CLEARLY MARKED: "REMOVE AFTER INSTALLATION"
- ACTUATOR DATA:
-MAKE / MODEL: AUMA/SA 10.2/GS 200.3
-ELECTRICAL SUPPLY: 460V / 3PH / 60Hz
-MANUAL OVERRIDE: DE-CLUTCHABLE HANDWHEEL REQ'D
-FAILURE MODE: FAIL-IN-LAST
- DAMPER SHALL BE SHOP ASSEMBLED FOR FIT AND ALIGNMENT, MATCH MARKED, THEN DISASSEMBLED FOR SHIPMENT.
- ALL FIELD WIRING BY OTHERS.

DESIGN DATA

DESIGN TEMPERATURE:	302°F
OPERATING TEMPERATURE:	185°F
AMBIENT TEMPERATURE:	-10°F to 122°F
MECHANICAL DESIGN PRESSURE:	30 IN-WC
FAIL-OPEN PRESSURE:	3 IN-WC
PRESSURE LOSS @ FULL OPEN:	≤ 0.138 IN WC
MAXIMUM FLOW:	5,402,803 LBS/HR
EQUIPMENT WEIGHT:	13,400 LBS

CLYDE BERGEMANN POWER GROUP
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CUSTOMER/SITE: **VOGT POWER / MIDDLETOWN**
CUST P.O./TAG NO.: **V0009384 / 1FG-DM3001**
SALES ORDER / ITEM NO.: **SO269500 / 2695-100**
DESCRIPTION: **HRSG STACK DAMPER**
DATE MFG. MO/ YR: **10/2016**

ITEM 9 (QTY 1)

CLYDE BERGEMANN POWER GROUP
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AUBURN, MAINE USA 04210-2150
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CUSTOMER/SITE: **VOGT POWER/KINGS MOUNTAIN**
CUST P.O./TAG NO.: **V0010033 / 1FG-DM3001**
SALES ORDER / ITEM NO.: **SO273300 / 2695-100**
DESCRIPTION: **HRSG STACK DAMPER**
DATE MFG. MO/ YR: **01/2017**

ITEM 9 (QTY 1)

MEC/KMEC
Outlet Stack Damper-General Arrangement

VOGT POWER INTERNATIONAL
V17494-DMXD-5000-03
27-May-2016

VOGT POWER INTERNATIONAL

Released, Work May Proceed

Bell, Milton Jun-01-2016



"EFFICIENCY BY COMPETENCE AND TECHNOLOGY"

CLYDE BERGEMANN POWER GROUP AMERICAS INC.
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BACHMANN® PRODUCTS

DO NOT SCALE PRINT. DIMENSIONS APPLY TO AFTER FINISHED CONDITION. REMOVE ALL SHARP EDGES & BURRS, UNLESS OTHERWISE NOTED DIMENSION TOLERANCES ARE:

FABRICATION: 11.5mm 0mm < X ≤ 305mm 1/16" 0" < X ≤ 12" 33mm 305mm < X ≤ 914mm 1/8" 12" < X ≤ 36" 50mm 914mm < X ≤ 3058mm 1/4" 36" < X ≤ 144" 10mm X > 3658mm 3/8" X > 144"

MACHINING: 1/16" 0" < X ≤ 12" 1/32" 12" < X ≤ 36" 1/16" 36" < X ≤ 144" 1/32" X > 144"

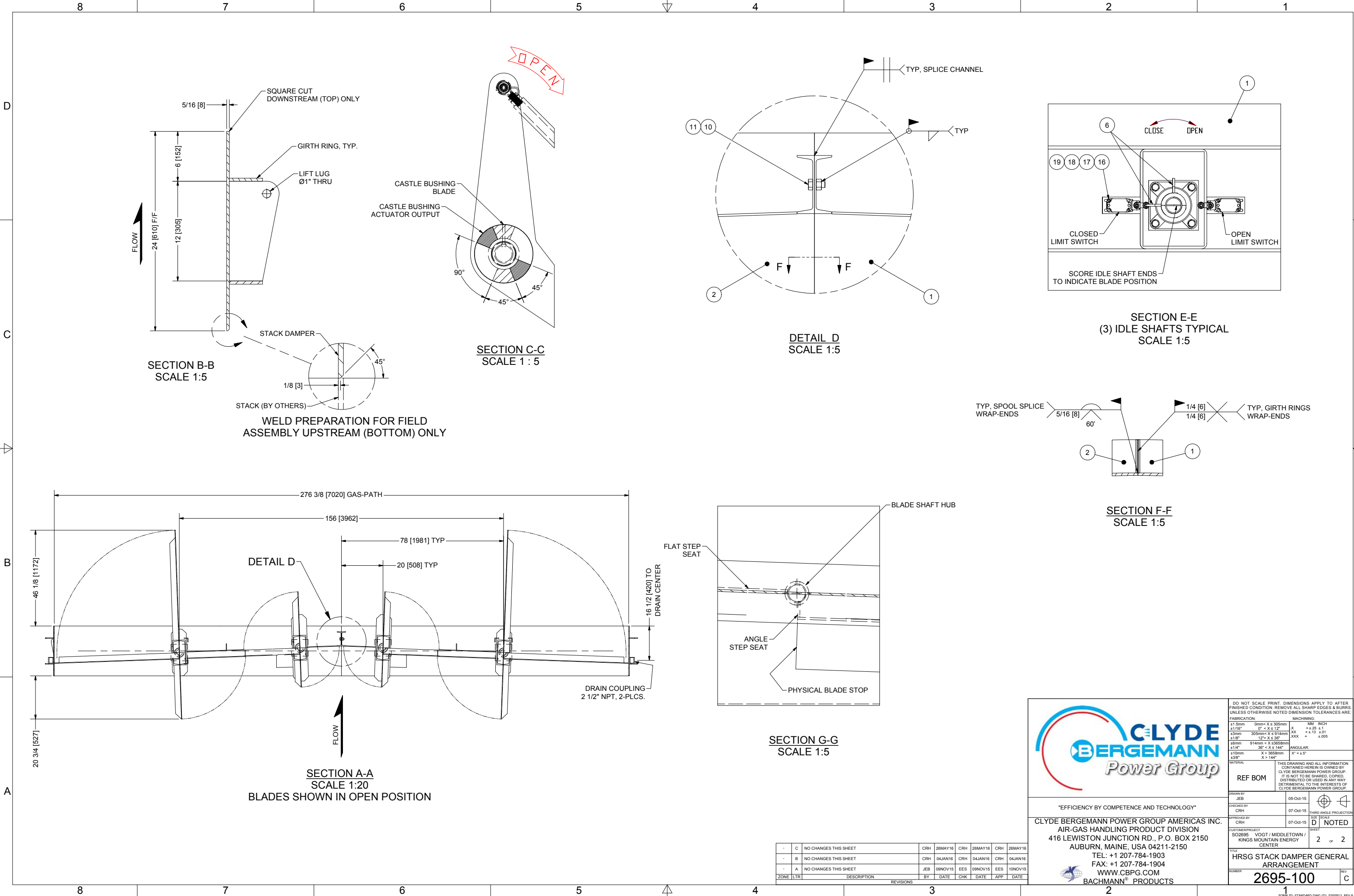
ANGULAR: ± 0.5°

REF BOM

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DATE: 05-Oct-15
CHECKED BY: CRH
APPROVED BY: CRH
CUSTOMER PROJECT: SO2695 VOGT / MIDDLETOWN / KINGS MOUNTAIN ENERGY CENTER
SHEET: 1 of 2
TITLE: HRSG STACK DAMPER GENERAL ARRANGEMENT
NUMBER: 2695-100

ZONE	LTIR	DESCRIPTION	REVISIONS	BY	DATE	CHK	DATE	APP	DATE
-	C	UPDATED KING'S MOUNTAIN TAG		CRH	25MAY16	CRH	25MAY16	CRH	25MAY16
-	B	UPDATED NOTES 2 & 8		CRH	04JAN16	CRH	04JAN16	CRH	04JAN16
-	A	UPDATE PER CUSTOMER COMMENTS		JEB	09NOV15	EES	09NOV15	EES	09NOV15



-	C	NO CHANGES THIS SHEET	CRH	26MAY16	CRH	26MAY16	CRH	26MAY16
-	B	NO CHANGES THIS SHEET	CRH	04JAN16	CRH	04JAN16	CRH	04JAN16
-	A	NO CHANGES THIS SHEET	JEB	09NOV15	EES	09NOV15	EES	10NOV15
ZONE (LTR)		DESCRIPTION	REVISIONS		BY	DATE	CHK	DATE
			DATE	APP	DATE			

CLYDE BERGEMANN
Power Group

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FABRICATION:	MACHINING:		
±1.5mm	0mm < X ≤ 305mm	MM	INCH
±1/16"	0" < X ≤ 12"	X	= ±.25 ±.1
±3mm	305mm < X ≤ 914mm	XX	= ±.13 ±.01
±1/8"	12" < X ≤ 36"	XXX	= ±.05
±6mm	914mm < X ≤ 3658mm		
±1/4"	36" < X ≤ 144"	ANGULAR:	
±10mm	X > 3658mm	X° = ±.5°	
±3/8"	X > 144"		

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DRAWN BY	JEB	05-Oct-15	
CHECKED BY	CRH	07-Oct-15	
APPROVED BY	CRH	07-Oct-15	
CUSTOMER/PROJECT	SO2895 - VOGT / MIDDLETOWN / KINGS MOUNTAIN ENERGY CENTER	SHEET	
TITLE	HRSG STACK DAMPER GENERAL ARRANGEMENT	2	of 2
NUMBER	2695-100	REV	C