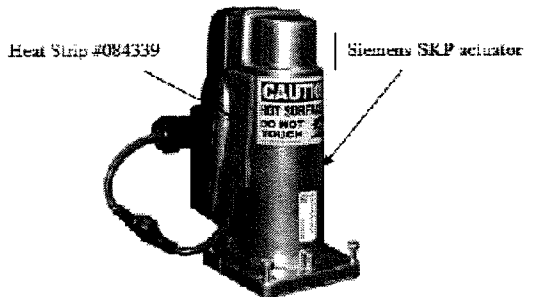
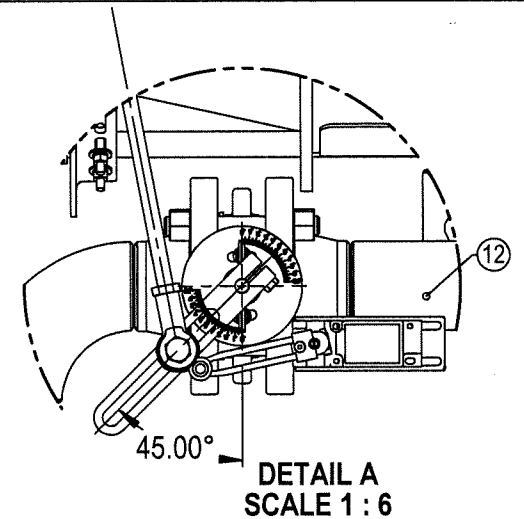
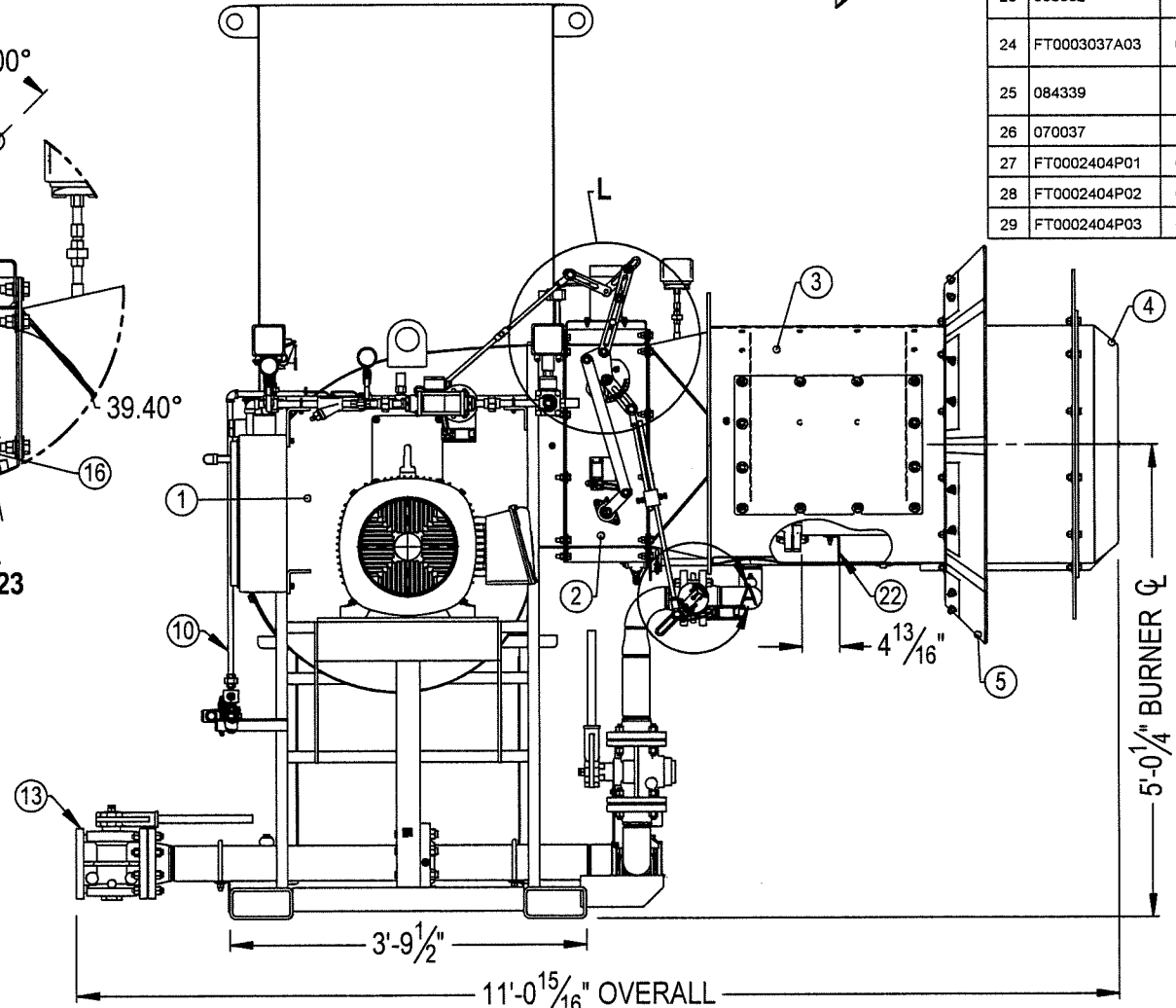
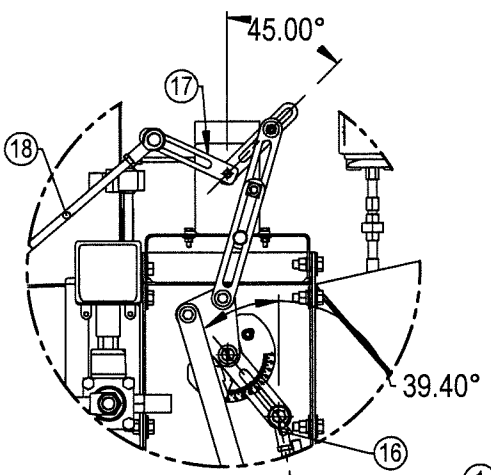
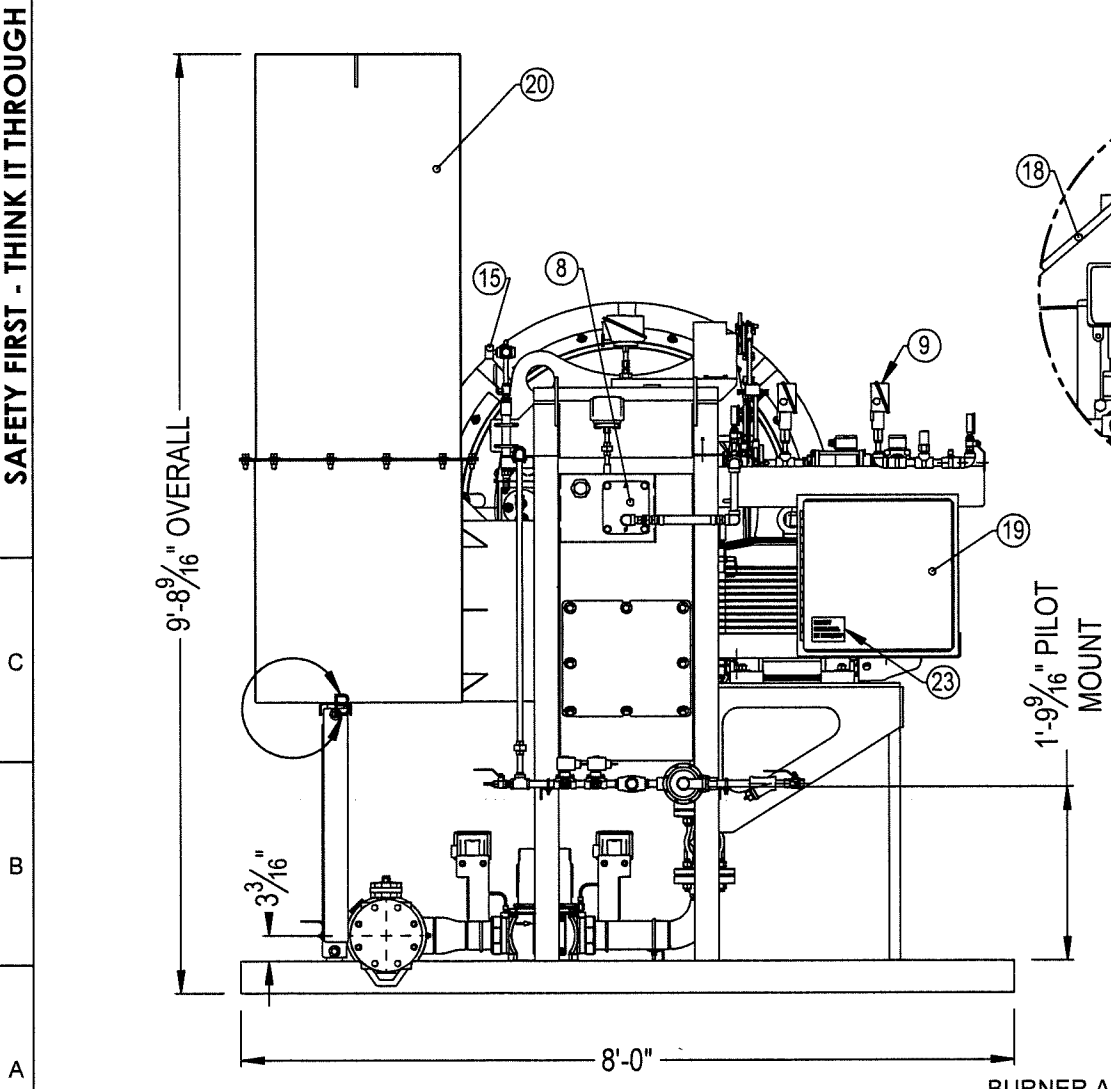
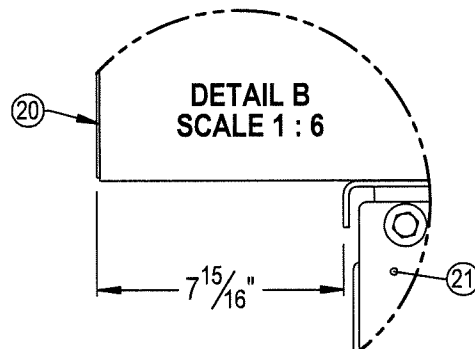


BURNER TECHNICAL INFORMATION		BURNER TECHNICAL INFORMATION	
PLANT VOLTAGE	: 480V/60Hz/3Ph	PLANT VOLTAGE	: 480V/60Hz/3Ph
CONTROL VOLTAGE	: 120V/60Hz	CONTROL VOLTAGE	: 120V/60Hz
FUEL(S)	: Nat. Gas/ LP	FUEL(S)	: Nat. Gas/ LP
FUEL THROUGHPUT	: N.G. 44,000 SCFH, OIL 8.0 GPM	FUEL THROUGHPUT	: N.G. 40,000 SCFH, OIL 7.3 GPM
DESIGN FUEL HEATING VALUE	: N.G. 1,000 BTU/SCF, LP 91,547 BTU/GAL	DESIGN FUEL HEATING VALUE	: N.G. 1,000 BTU/SCF, LP 91,547 BTU/GAL
BTU RATING	: 44 MMBTU/Hr.	BTU RATING	: 40 MMBTU/Hr.
HP/KW RATING	: 60 HP/44.7 KW	HP/KW RATING	: 60 HP/44.7 KW
DESIGN ALTITUDE	: 5000 F.A.S.L.	DESIGN ALTITUDE	: 0 F.A.S.L.
LP INLET PRESSURE	: 170 P.S.I.	LP INLET PRESSURE	: 181 P.S.I.
LP NOZZLE PRESSURE MIN	: 80 P.S.I.	LP NOZZLE PRESSURE MIN	: 70 P.S.I.
LP NOZZLE PRESSURE MAX	: 161 P.S.I.	LP NOZZLE PRESSURE MAX	: 168 P.S.I.
GAS INLET PRESSURE	: 7.14 P.S.I.	GAS INLET PRESSURE	: 6.56 P.S.I.
GAS MANIFOLD PRESSURE MIN.	: 0.07 i.w.c.	GAS MANIFOLD PRESSURE MIN.	: 0.1 i.w.c.
GAS MANIFOLD PRESSURE MAX.	: 87.8 i.w.c.	GAS MANIFOLD PRESSURE MAX.	: 75.5 i.w.c.
BUILT TO THE PROVISIONS OF NFPA-86		BUILT TO THE PROVISIONS OF NFPA-86	
NOTE: BURNER PLAQUE IS TO BE MOUNTED INSIDE THE JUNCTION BOX.		NOTE: BURNER PLAQUE IS TO BE MOUNTED INSIDE THE JUNCTION BOX.	



APPLY SKP ACTUATOR HEATERS AS SHOWN TO SAFETY SHUTOFF VALVE ACTUATORS ON GAS TRAIN.



#	PART NUMBER	REV	QTY	DESCRIPTION	UNIT WEIGHT
1	FT0003092A01	00	1	BLOWER ASSEMBLY (WJ-40U-HA C/L 5'-0 1/4") 480/60/3	1485.61
2	FT0000365A01	07	1	DAMPER ASSEMBLY (WJ-50U/D) 120V/60Hz	119.74
3	FT0003086A01	00	1	TRANSITION (WJ-40U/D-G-HA)	576.38
4	FT0003093A01	00	1	FRONT END ASSEMBLY (WJ-40U-G-HA)	386.11
5	FT0000415A02	04	1	SEALING ASSEMBLY / RUBBER SKIRT (WJ-50U/D)	70.06
6	FT0000520A04	02	1	BURNER SUCTION PIPE	13.84
7	FT0000384A03	00	1	OIL GUIDE TUBE (WJ-50-LP)	28.37
8	FT0001261A01	01	1	OIL GUN ASSY (WJ-50-LP)	15.07
9	FT0003082A01	01	1	LP TRAIN (WJ-50U) 120V/60Hz	101.54
10	FT0000412A01	02	1	PILOT GAS TRAIN (WJ-50U) 120V/50-60Hz	19.62
11	FT0003088A02	00	1	GEN 2.1 PILOT ASSEMBLY (WJ-35-50)	27.57
12	FT0002457A10	00	1	GAS PIPE ASSLY. (WJ-35U/D)	8.31
13	FT0003095A01	00	1	GAS TRAIN (WJ-35-40D) C/L 3'-6 3/4"	279.88
14	FT0003015A01	00	1	SELF CHECKING FLAME SCANNER - FIREYE	0.53
15	FT0001585A03	02	1	FLAME SCANNER AIR TRAIN (WJ/PT2)	16.37
16	FT0002743A05	01	1	NEW FUEL ADJUSTABLE LINKAGE ASSEMBLY (12"-24" BAR)	1.59
17	098573		1	ARM 6 1/2" LONG FOR EA57 W/1/2" SLOT FT0000036A02	0.47
18	FT0002743A04	02	1	NEW FUEL ADJUSTABLE LINKAGE ASSEMBLY (12"-12" BAR)	1.36
19	FT0003040A01	01	1	JUNCTION BOX ASSLY. (WJ-"U-SF) 120V/60Hz	35.49
20	FT0001952A01	01	1	SILENCER MAIN ASSEMBLY (WJ-50)	571.94
21	FT0002371A04	0	1	SILENCER SUPPORT GEN II (WJ/PT2/PF 2'-7 15/16" TO 4'-9 11/16")	43.81
22	FT0001273A09	00	1	INTERM. GAS PIPE SUPPORT (LONG NOSE)	1.19
23	083082		1	SIGN PKG BURNER SAFETY ENGLISH/SPANISH REV.2013	0
24	FT0003037A03	00	1	SUB-FREEZING KIT FOR 4" SIEMENS SAFETY SHUTOFF GAS VALVE (120V)	2.27
25	084339		2	HEATER, MECHTRONIC AGA63-MRH FOR SIEMENS SKP 120 VAC PROTECTS TO -20F	0.15
26	070037		1	HOSE FLEX METAL 4X36 FLG	0
27	FT0002404P01	01	1	CALIBRATION PLATE 10 GA	0.59
28	FT0002404P02	01	1	CALIBRATION PLATE 3/8"	1.80
29	FT0002404P03	01	1	CALIBRATION PLATE 3/16"	0.80

FT0003091A01 REV: 00
BURNER ASSEMBLY (WJ-40U-G-LP-HA-SFF-S) C/L 5'-0 1/4"

ALL WELDS TO BE MINIMUM 70KSI FILLER METAL UNLESS OTHERWISE NOTED
TOLERANCES ON DIMENSIONS AND WELDS UNLESS OTHERWISE NOTED ON THE DRAWING ARE:
SHEET METAL (±.015"), MACHINING (±.010"), PIPING & STRUCTURAL (±1/8"), WELD SIZE (0" ±1/8")

REVDESCRIPTIONDATEBYECO

ASTEC, INC
4101 JEROME AVE
CHATTANOOGA, TN 37407
34600 CTY HWY K
PRAIRIE DU CHIEN, WI 53821

RELEASE INFORMATION

19-112
GUIDON HOLDINGS

DESCRIPTION
BURNER ASSEMBLY (WJ-40U-G-LP-HA-SFF-S) C/L 5'-0 1/4"

MACHINE
Casey M. Dillon

DATE
8/14/2019

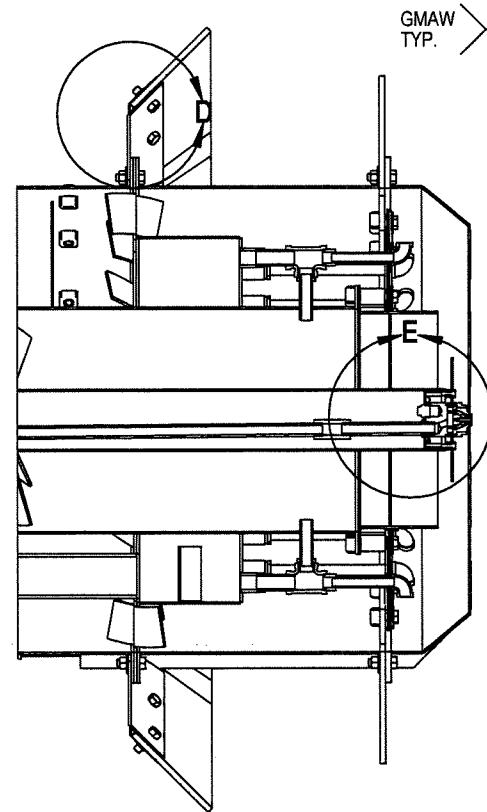
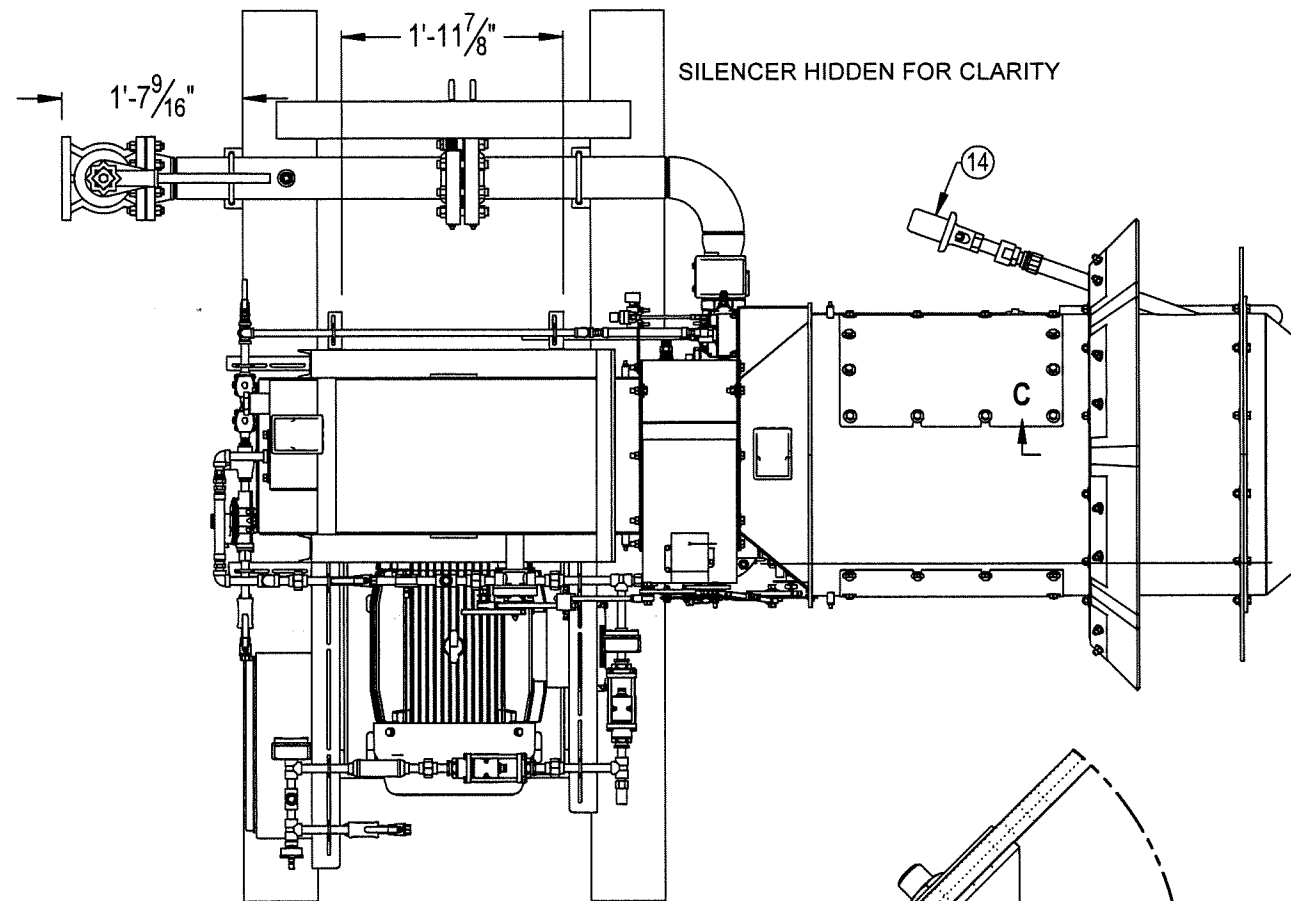
SHEET
1 OF 3

SCALE
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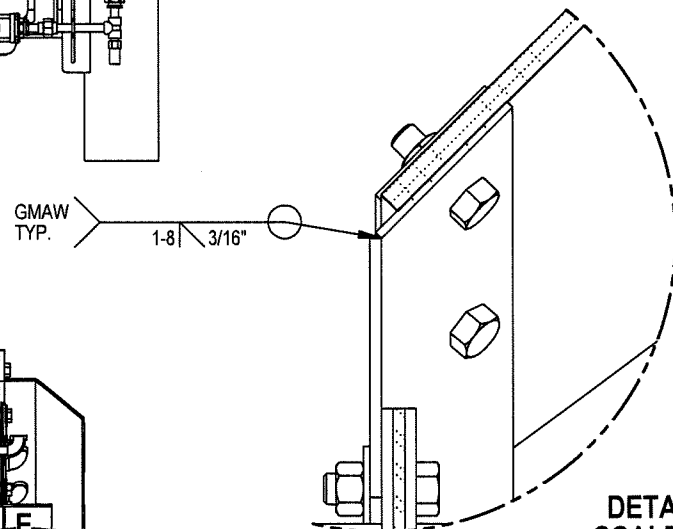
WEIGHT
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PWG NO
FT0003091

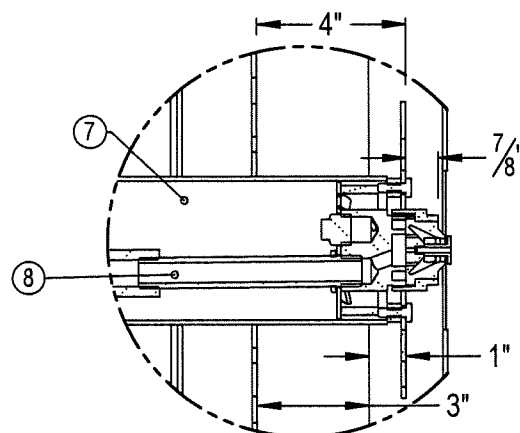
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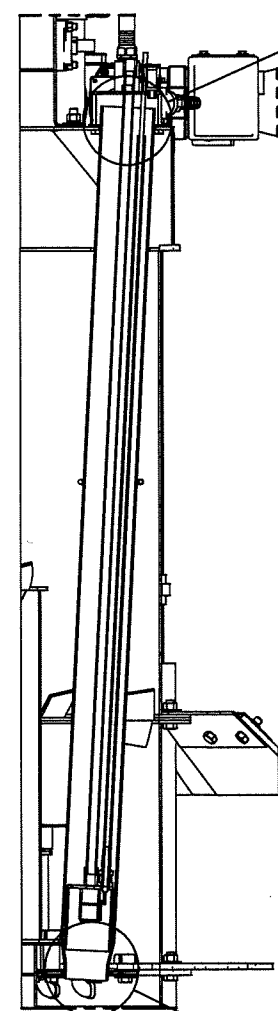
SECTION C-C
SCALE 1 : 12



DETAIL D
SCALE 1 : 3

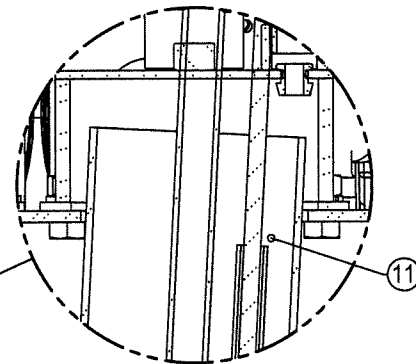


DETAIL E
SCALE 1 : 5

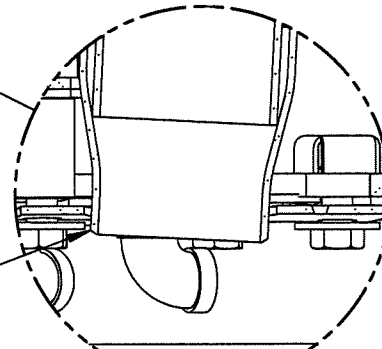


SECTION F-F
SCALE 1 : 12

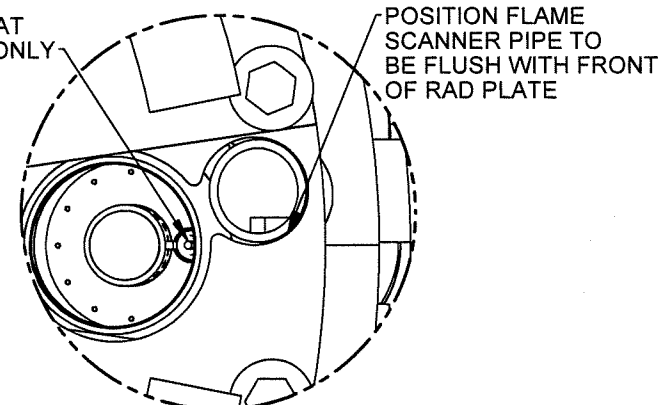
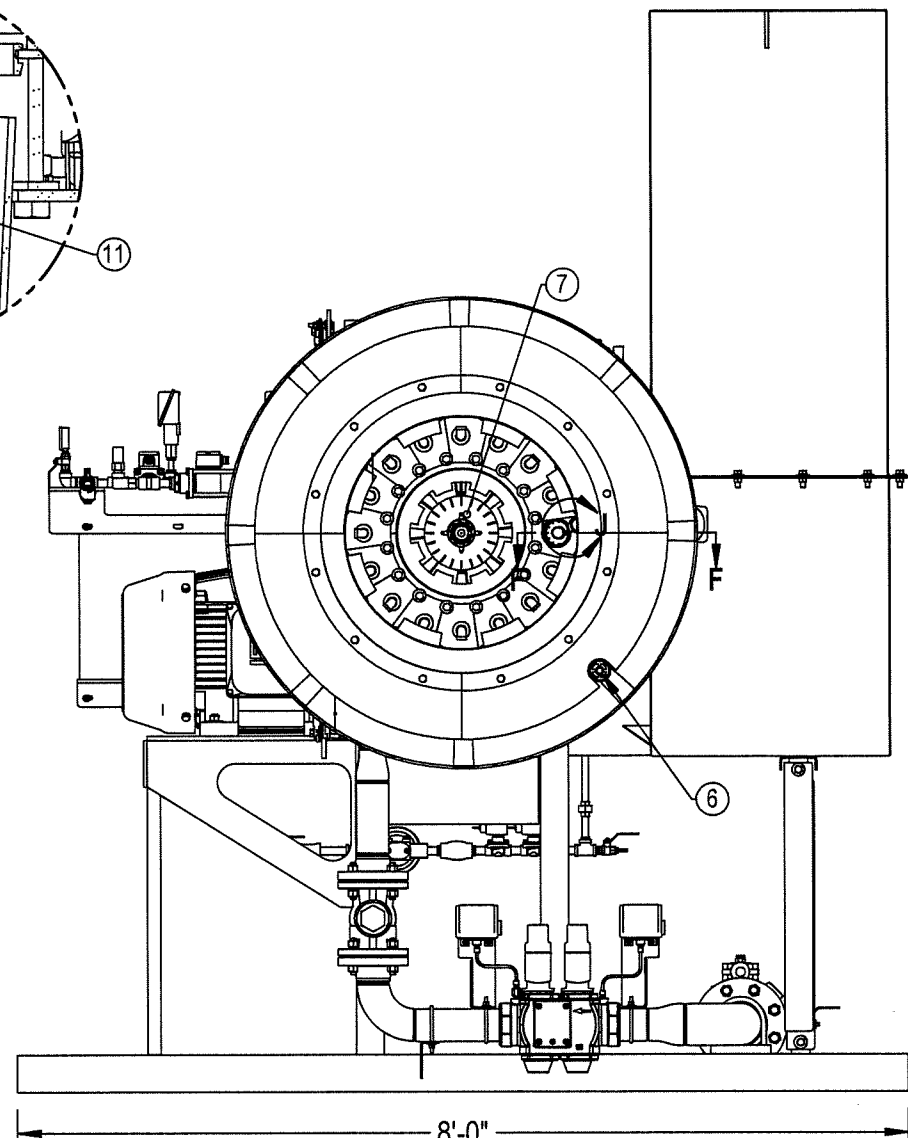
PILOT TO PROTRUDE 1/2"
THROUGH RAD PLATE



DETAIL H
SCALE 1 : 3



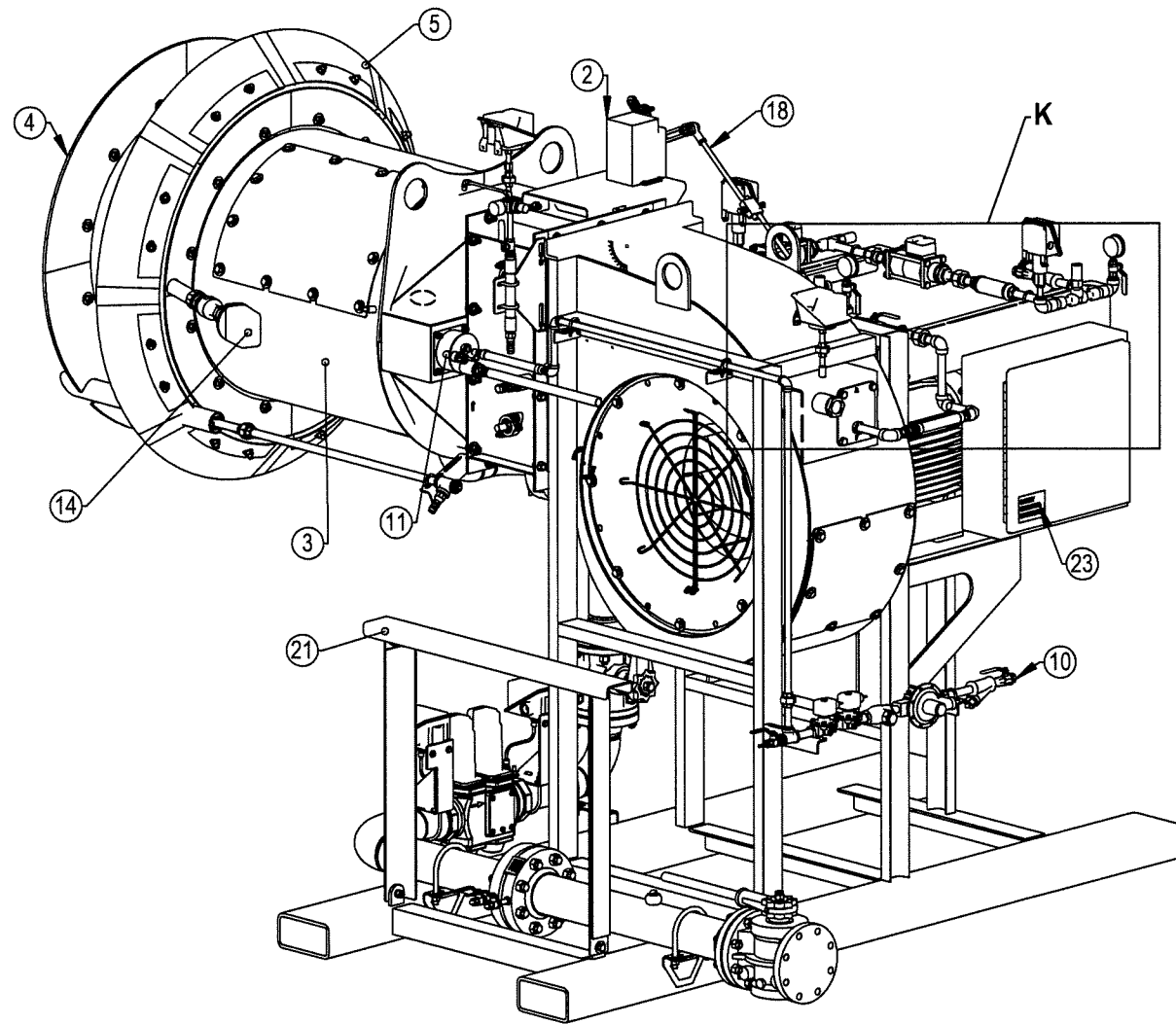
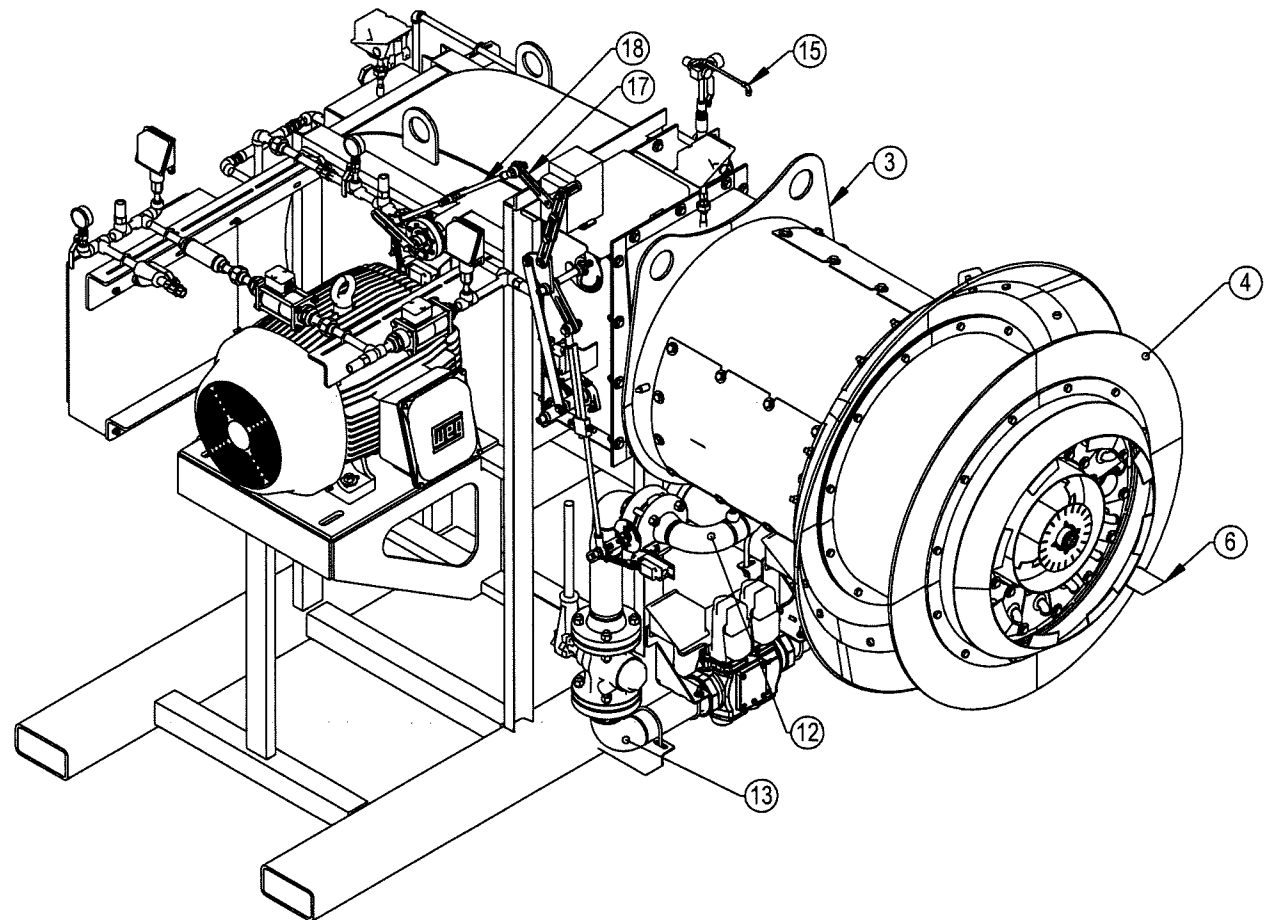
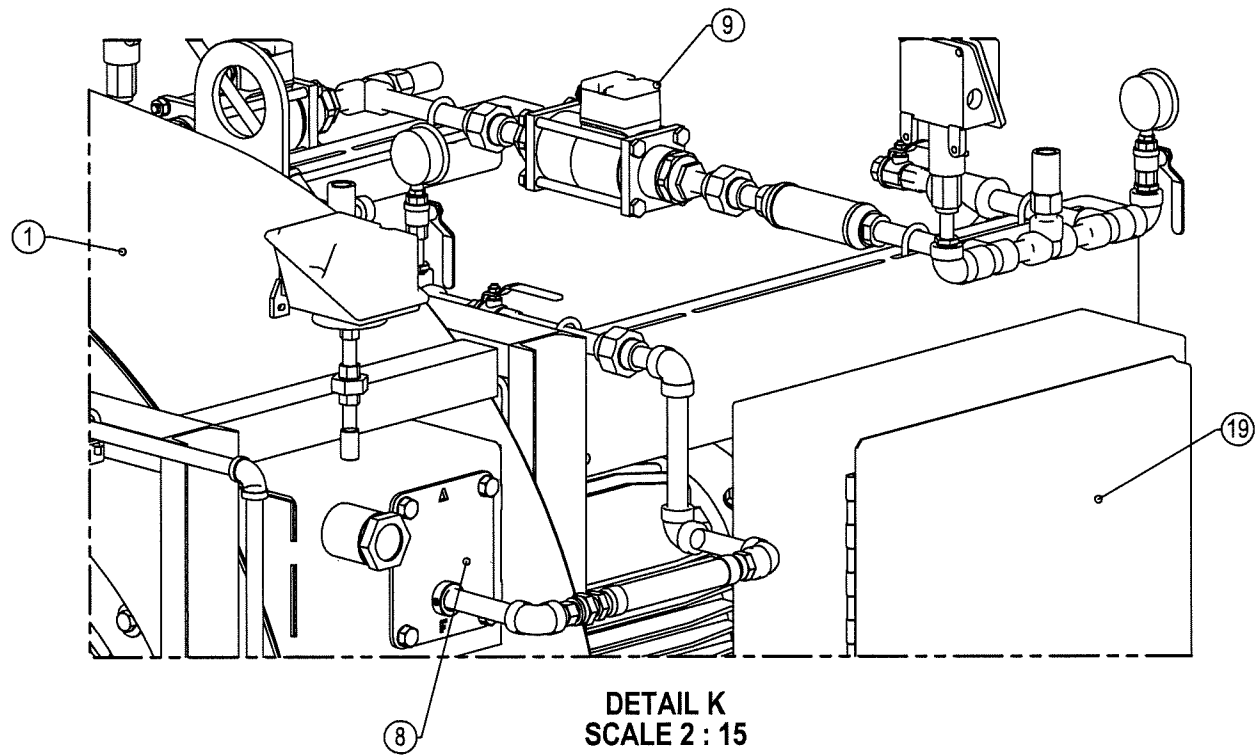
NOTE:
IGNITOR SHOULD BE ORIENTED AT
9, 12, OR 3 O'CLOCK POSITIONS ONLY



DETAIL J
SCALE 1 : 3

ALL WELDS TO BE MINIMUM 70KSI FILLER METAL UNLESS OTHERWISE NOTED
TOLERANCES ON DIMENSIONS AND WELDS UNLESS OTHERWISE NOTED ON THE DRAWING ARE:
SHEET METAL (± 0.015), MACHINING (± 0.010), PIPING & STRUCTURAL ($\pm 1/8$), WELD SIZE (-0 $\pm 1/8$)

	ASTEC, INC			
4101 JEROME AVE CHATTANOOGA, TN 37407		34600 CTY HWY K PRAIRIE du CHIEN, WI 53821		
RELEASE INFORMATION				
19-112				
GUIDON HOLDINGS				
DESCRIPTION BURNER ASSEMBLY (WJ-40U-G-LP-HA-SFF-S) C/L 5'-0 1/4"				
MACHINE				
DWN	Casey M. Dillon			
DATE	SHEET 1 OF 3	SCALE 1:20	WEIGHT 3810.36	
		PWG NO	FT0003091	
			REV 00	



ALL WELDS TO BE MINIMUM 70KSI FILLER METAL UNLESS OTHERWISE NOTED
TOLERANCES ON DIMENSIONS AND WELDS UNLESS OTHERWISE NOTED ON THE DRAWING ARE:
SHEET METAL (± 0.15), MACHINING (± 0.10), PIPING & STRUCTURAL ($\pm \frac{1}{16}$), WELD SIZE (-0 $+\frac{1}{16}$)

		ASTEC, INC	
4101 JEROME AVE CHATTANOOGA, TN 37407		34800 CTY HWY K PRAIRIE du CHIEN, WI 53821	
19-112			
GUIDON HOLDINGS			
DESCRIPTION BURNER ASSEMBLY (WJ-40U-G-LP-HA-SFF-S) C/L 5'-0 1/4"			
MACHINE			
DWN	Casey M. Dillon		
DATE	3 OF 3	SCALE 1:20	WEIGHT 3810.36
		DWG NO FT0003091	REV 00