





## "As Built" Burner Specification Sheet

Job Number	J022254-	Qty	1	Order Number	B13604	Line Number	1
Customer	YORK AIRE S. DE R.L. DE CV			Purchase Order	DPO30028		
Job Name							
Burner Model	CR2-G-20B						
Burner Mode of Operation	MOD ODP	Serial Number	120415699				
Code	UL,CSD1						
UL Label	AR-724284						
Heat Exchanger Make	YORK	Heat Exchanger Model	12SC/13S				
Heat Exchanger Type	CHILLER						
Combustion Chamber Pressure	1.0						
Job Site Altitude	2000ft	Clearance Checked By	TED				
Clipped Circuit Board PN							
Gas High Fire Rate	2553	MBH					
Oil High Fire Rate		GPH		PSIG Pump			
Fuel Oil Grade							
UL Group - Gas	4D	UL Group - Oil					
Gas Type	NATURAL						
High Fire Manifold Pressure**	2.1	IN. WC		Side Orifice Drill Size	N/A		
Gas Regulator Outlet Pressure	15.1	IN. WC		RPTD Job Pressure	140.0	IN. WC	
Minimum Supply Pressure	15.2	IN. WC		Max Design Pressure *	140.0	IN. WC	
Wiring Diagram	G-22224L-1						
Gas Piping Diagram	1996-5						
Oil Piping Diagram							
General Arrangement Drawing	I4286LC	Additional Drawings					
Additional Drawings	G-22223L-1	Additional Drawings					
Additional Drawings							
Control Voltage	115V	Single Phase	60	HZ	Full Load Amps	6.0	
Blower Motor Voltage	460V	3	PH	60	HZ	Full Load Amps	1.85
Oil Pump Motor Voltage			PH		HZ	Full Load Amps	
Compressor Motor Voltage			PH		HZ	Full Load Amps	
Minimum Circuit Ampacity	12.00				Gas Inlet Location	SIDE	
Ignition System	GAS PILOT SCANNER						
Diffuser Blade Setting	3/8	Blast Tube Flange Set	5.25				

**Comments:**

**10H X 9W BURNER MTD 24H X 22W REMOTE PANEL BOX  
 PRE-PIPED & PRE-WIRED & PAINTED GAS TRAIN STYLE "B"  
 1-1/8 HOLE ON BOTTOM OF EACH PANEL ON LEFT HAND SIDE  
 SINGLE FUEL VARICAM METERING SYSTEM**

**\*\*Approximate operating pressure at the Manifold Inlet for initial start-up. Final Pressure should be determined after checking actual flow with gas meter. Stack temperature, CO, CO2, O2, and Furnace Pressure will help in determining actual input when gas meter is not available for this unit.**

**\*All components are rated for the Max Design Pressure specified, that pressure must not be exceeded.**

**SPECIFICATION SHEET**

Date: 4/27/2005

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Customer: YORK AIRE S de RL de CV - 36635

Purchase Order: DP030028-00

Job Number: J022254 - 0

Item: CR2-G-20B

Qty: 1.00

Order Number: B013604 - 1

Material	Qty	U/M	Material Description	Ship Loose
004660	13.00	FT	LD-500-1 LOW DENSITY 1/2 INCH 1000 DEGREE FIBREGLASS BRAIDED ROPE P/N 21032	L
054220	1.00	EA	1 HP 3450 RPM 208/230/460/3 ODP 56C 56T34D5313 MARATHON MOTOR	
060250	1.00	EA	M9174C-1025/P 120 V. H.W. MODUTROL MOTOR WITH LOW FIRE START & PURGE INTERLOCKS	
061230	1.00	EA	4074 EDC HONEYWELL RESISTOR PACK FOR M954,M955,M974,M975 MOD MOTORS	
081750	1.00	EA	8-1/4 X 3-1/2 X 5/8 D-HUB R825-350S 3450 CW. SPEC. 1-6465 REVCOR WHEEL	
140700	1.00	EA	CRTP1A9M9 OSLO SPST ROCKER SWITCH	
161000	1.00	EA	LGP-G 1-20 INCH ANTUNES LOW GAS PRESSURE SWITCH MANUAL RESET (VENTLESS)	
161100	1.00	EA	HGP-G 2-20 INCH ANTUNES HIGH GAS PRESSURE SWITCH MANUAL RESET (VENTLESS)	
170000	1.00	EA	AFS-A CLEVELAND CONTROLS AIR SWITCH .05- 12" W.C.,1-14 UNS MOUNTING	
202450	2.00	EA	U28-45-21-18 1/4" OR 8040H007 120 VOLT 50/60 HZ. GAS PILOT VALVE(SV311A02N6BF5)	
273200	1.00	EA	501217-1 105BV 1-1/4 INCH ECLIPSE MANUAL BUTTERFLY VALVE	
280410	1.00	EA	K3A672T 1-1/4 INCH 5 POUNDS 120 VOLT 1,290,000 BTU 1 INCH PD ASCO/G.C. SOLENOID VALVE	
302800	1.00	EA	325-3 3/8 INCH MAXITROL REGULATOR WITH R325C10-26 CAD PLATED 2-6" SPRING	
306897	1.00	EA	243-12-2 1-1/2" ROCKWELL REGULATOR W/ 3/ 4" ORIFICE @ 10 DEG. & ORANGE SPRING	
320000	1.00	EA	1092-PF 6000V. 50/60 HZ. ALLANSON GAS IGNITION TRANSFORMER	
333000	1.00	EA	164447 480/240/208 TO 120 50/60 HZ. HAMMOND TRANSFORMER WITH FUSE BLOCKS (REPLACED BY P/N 333001)	
397520	1.00	EA	RM7840L-1018 HONEYWELL AUTOMATIC PROGRAMMING CONTROL WITHOUT DISPLAY 50/60	
400910	1.00	EA	Q7800B-1003 HONEYWELL UNIVERSAL WIRING SUBBAS E-METAL BURNER MOUNT	
403200	1.00	EA	C7027A-1023 CUSTOM PAK UV 1/2" NPT. MOUNTING 0-215DEG HONEYWELL FLAME SENSOR STD CNDT CNNCT	
406950	1.00	EA	R7849A-1023 HONEYWELL UV AMP 3 SECOND FLAME FAILURE RESPONSE TIME	

# SPECIFICATION SHEET

## As-Built

Date: 4/27/2005

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Customer: YORK AIRE S de RL de CV - 36635

Purchase Order: DP030028-00

Job Number: J022254 - 0

Item: CR2-G-20B

Qty: 1.00

Order Number: B013604 - 1

Material	Qty	U/M	Material Description	Ship Loose
407710	1.00	EA	ST7800A-1039 HONEYWELL 30 SECOND PURGE TIMER	
463100	1.00	EA	0-18 OZ. 0-32 INCH 2-1/2 INCH DIAL 1/4 INCH LM CONNECTION WINTERS GAUGE P301	L
500520	3.00	EA	PMR210ME6100M100 EVOX-RIFA NOISE SUPPRESSOR	
500700	1.00	EA	TT0301 (8653010170 ANTUNES TEMP. CONTROL PRESET 600 DEG. W/ IND. & MAN. RESET	
553870	2.00	EA	20C297 HOLD DOWN CLIP FOR P & B KHAU RELAY	
553900	1.00	EA	0T08-PC CUSTOM CONNECTOR 8 PIN SOCKET FOR KRP SERIES RELAYS	
554300	2.00	EA	27E894 DIN RAIL SOCKET FOR KHAU RELAY	
554710	2.00	EA	KHAU-17A16-120 (4PDT) P & B RELAY	
555500	2.00	EA	5533 8 120 00 00 3PDT FINDER RELAY	
555510	2.00	EA	94.73 3PDT BASE FOR FINDER 55 SERIES RELAY	
572060	1.00	EA	A9S-84H 3 POLE 120/60 9 AMP 2/2/5/7.5 HP ABB STARTER 1.7-2.4 AMP OVERLOAD	
610400	2.00	EA	SLU-35 ILSCO GROUNDING LUG	
612010	70.00	EA	019904225 ENTRELEC D6/8.ADO 14-16 GAGE ADO, SCREW TERMINAL, GREY BLOCK	
612070	9.00	EA	0115120.17 ENTRELEC M10/10 SCREW TERMINAL 6-20 GA,65A.	
612110	2.00	EA	0115206.22 ENTRELEC MTC6 THERMOCOUPLE BLOCK	
612130	3.00	EA	0199075.26 ENTRELEC D6/8.ADO 14-16 GA. ADO,SCREW TERMINAL RED (GAS VALVE)	
612140	2.00	EA	0199070.05 ENTRELEC D4/6.ADO 16-22 GA. ADO,SCREW TERMINAL IVORY	
633400	1.00	EA	SC110N MALLORY PANEL MOUNT SONALERT BUZZER 120 VOLT	
654000	1.00	EA	SGTX25-6M9 120V. OSLO WHITE INDICATOR LIGHT	
654010	2.00	EA	SGTX25-3M9 120V. OSLO AMBER INDICATOR LIGHT	
654020	1.00	EA	SGTX25-1M9 120V. OSLO RED INDICATOR LIGHT	
690120	1.00	EA	PYROMATION J20-1-507 TYPE J THERMOCOUPLE WIRE (50 FT. ROLL)	L
690320	1.00	EA	J43G-012-01A-22CF31 PYROMATION THERMOCOUPLE PROBE ASSEMBLY	L
910490	22.00	IN	CCC39201 BLACK PVC WIDE FLEXIBLE TRIM (1800 INCHES PER ROLL)	

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## As-Built

Date: 4/27/2005

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Customer: YORK AIRE S de RL de CV - 36635

Purchase Order: DP030028-00

Job Number: J022254 - 0

Item: CR2-G-20B

Qty: 1.00

Order Number: B013604 - 1

Material	Qty	U/M	Material Description	Ship Loose
910760	12.00	FT	3/8 IN. ALUMINUM TUBE (50 FT. COIL) 5177 K15	L
925020	1.00	EA	ATMR6 6 AMP 600V. CLASS CC NON-MOTOR RATED FERRAZ SHAWMUT FUSE	
926140	2.00	EA	ATDR-6 6 AMP FERRAZ-SHAWMUT LOW PEAK DUAL ELEMENT TIME DELAY FUSE	
980030	3.00	EA	1/4 IN. MOD. 740 BALL VALVE W/ SHORT HANDLE NO. 55412	
	3.00	EA	1/4 IN. MOD. 740 BALL VALVE W/ SHORT HANDLE NO. 55412	L
C10190	1.00	EA	30E3C C1/2/3 PEDESTAL PLATE	
C10202	2.00	EA	CR1/2/3 PEDESTAL PLATE FILLER	
C10550	2.00	EA	30A144C C2 DAMPER BLADE	
C10740	1.00	EA	30A28C C2 MOTOR PLATE	
C11267	1.00	EA	30E74C C2 BOILER FLANGE WITH PILOT NOTCH	
C11268	1.00	EA	C2 BOILER FLANGE NOTCH COVER PLATE	
C11350	1.00	EA	30B178C C2 FILLER BAND	
C13150	1.00	EA	30E29C TRANSFORMER CUTOUT COVER PLATE	
C13450	1.00	EA	90E41C CR2 LIFTING LUG CHANNEL	
C20030	1.00	EA	C2 AIR HOUSING ASSEMBLY 5-3/4" INLET FOR PF505 & JF506 SET 1 DAMPER WITH	
C20571	1.00	EA	30B1051C C2 FP TU 7.6B EX8" M S	
C22041	1.00	EA	30B445C C2 6-3/4" CHOKE ASSEMBLY #304 SS	
C24020	1.00	EA	30A404C C2 BACK PLATE ASSEMBLY MAKE ON PRESS	
C24102	1.00	EA	30E430C C2 PILOT MOUNTING PLATE ASSEMBLY ASSY MO9	
C26093	1.00	EA	30B1045C YORK 13S REFR. C2/CR2	
C80431	2.00	EA	30A226C C2 DAMPER SCREEN PC	
C80589	1.00	EA	30A401C C2 SHORT DAMPER AXLE	
C80590	1.00	EA	30A29 C2/3 DAMPER AXLE	
C95227	1.00	EA	30B1053C C2 ST GAS GUN EXT 8"	
C95301	1.00	EA	C2/3 DAMPER CROSS LINKAGE ASSEMBLY	
E10070	1.00	EA	90C575C 24 X 22 DISPLAY (8) RECT	
E10073	1.00	EA	90C410C 22" PANEL BOX TOP BLANK	
E10074	1.00	EA	24 X 22 SHORT DOOR	
E10480	1.00	EA	90C72C 10 X 9 COVER PLATE	
E10610	2.00	EA	PANEL BOX MOUNTING BRACKET (BURNER)	
E10672	1.00	EA	1/4" HINGE PIN WITH SNAP-RING GROOVE	
E10680	1.00	EA	90C90C PANEL BOX HINGE BOTTOM PIN 1/4"	
E10690	4.00	EA	90C90C PANEL BOX PIN HINGE TUBE 1/4"	
E20020	1.00	EA	90C503C 10 X 9 X 7.5 PANEL BOX ASSEMBLY	
E20080	1.00	EA	90C407C 24 X 22 PANEL BOX ASSEMBLY	

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## As-Built

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Customer: YORK AIRE S de RL de CV - 36635

Purchase Order: DP030028-00

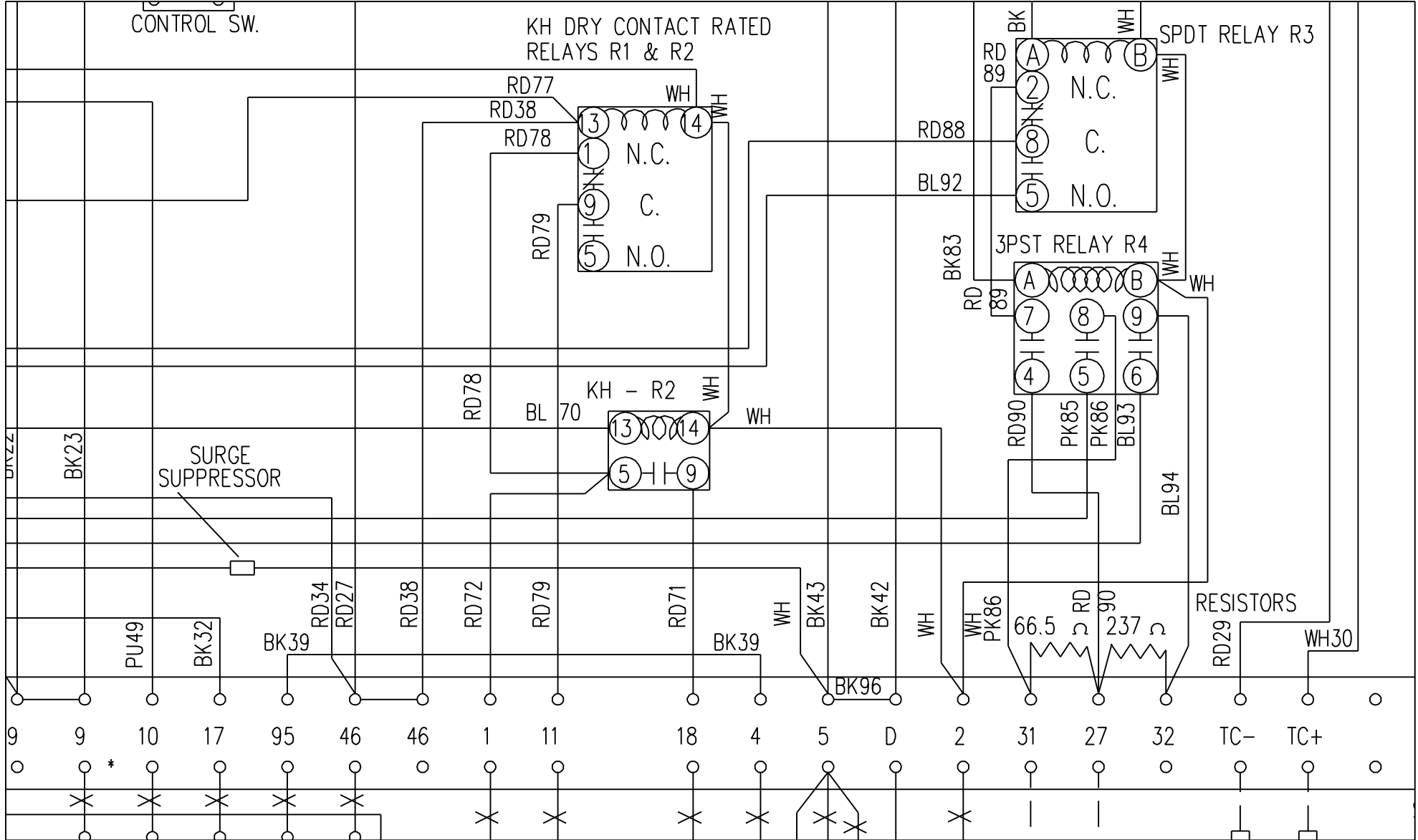
Job Number: J022254 - 0

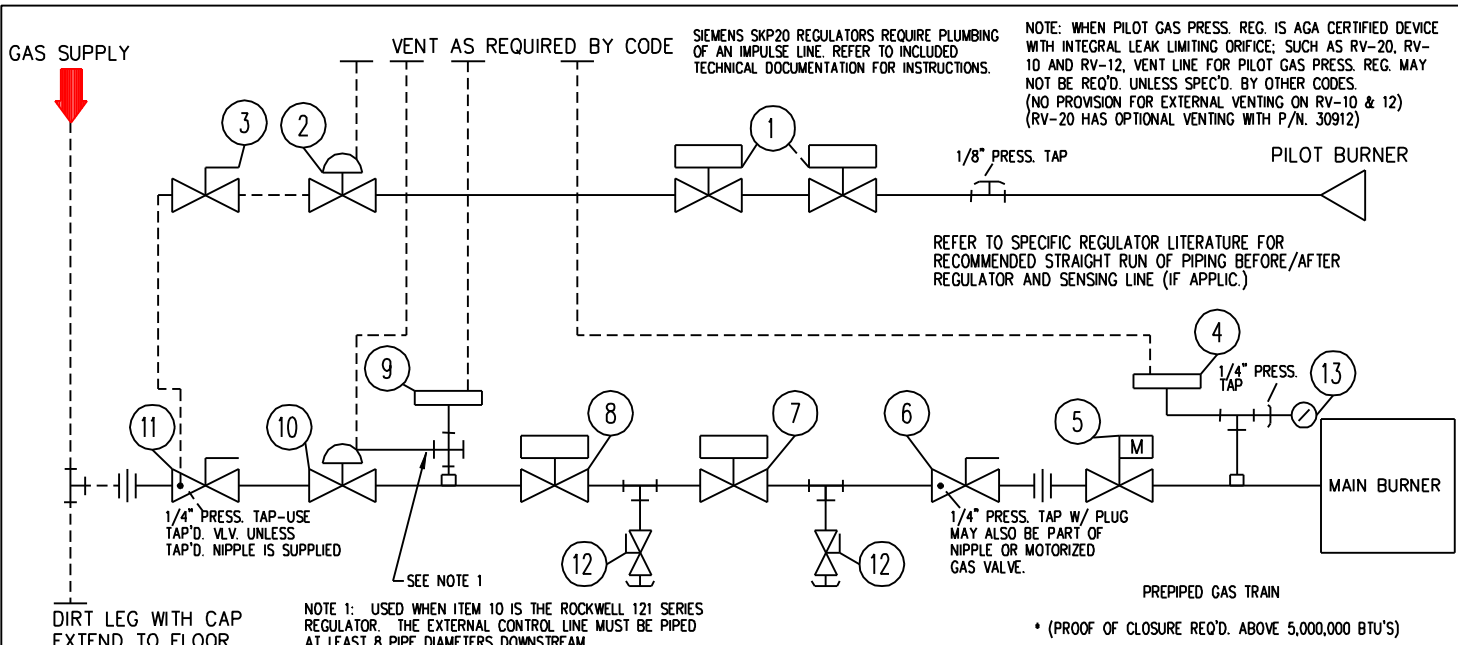
Item: CR2-G-20B

Qty: 1.00

Order Number: B013604 - 1

Material	Qty	U/M	Material Description	Ship Loose
E20080...	1.00...	EA...	MAKE EQUAL AMOUNT E10071	...
E21001	1.00	EA	6 X 8 X 4 HOFFMAN WITH 1/2" COUPLING	
E80072	1.00	EA	90C409C 24 X 22 CHASSIS PC WHITE	
E80340	1.00	EA	90C163C 10 X 9 CHASSIS PC WHITE	
F20010	1.00	EA	30D7C C1/2 SCANNER PILOT ASSY #36 NAT INCLUDES X04210 ELECTRODE	
M20346	1.00	EA	I1183MC CR2 VARICAM BRACKET ASSEMBLY	
M20425	1.00	EA	90E282C 1-1/4 #740 BALL VALVE CSD-1	
M20431	1.00	EA	90E278C 1-1/2" #68 BALL VALVE CSD-1	
M29002	1.00	EA	90E229C 1.25 X 6 JUNCTION BOX NIPPLE	
M30010	1.00	EA	90X11C CAM LINK ASSY SINGLE C BURNER	
X02040	1.00	EA	1-1/2 STD BLK HALF COUPLING	
X02622	1.00	EA	1/4 BRASS HEX NIPPLE 122-4	L
	1.00	EA	1/4 BRASS HEX NIPPLE 122-4	
X02677	1.00	EA	3/8 X 1/4 COMP-MP STR 68-64	L
	1.00	EA	3/8 X 1/4 COMP-MP STR 68-64	
X09600	4.00	EA	1/2-13 HEX NUT	
X09659	4.00	EA	1/2 IN. MED. SPLIT LOCK WASHER	
X09695	2.00	EA	10-32X3/8 SKT/BUTTON HD SCREW	
X09750	1.00	EA	3/8-16 U BOLT LIFTING LUG 2 IN. INSIDE DIMENSION BETWEEN LEGS,	
X09795	7.75	IN	173220.05 PREPUNCHED DIN RAIL (2 METER PIECE = 78.74")	
X09910	1.00	EA	2-1/2 SQ SIGHT GLASS	





DIRT LEG WITH CAP  
EXTEND TO FLOOR

NOTE 1: USED WHEN ITEM 10 IS THE ROCKWELL 121 SERIES  
REGULATOR. THE EXTERNAL CONTROL LINE MUST BE PIPED  
AT LEAST 8 PIPE DIAMETERS DOWNSTREAM.

SIEMENS SKP20 REGULATORS REQUIRE PLUMBING  
OF AN IMPULSE LINE. REFER TO INCLUDED  
TECHNICAL DOCUMENTATION FOR INSTRUCTIONS.

NOTE: WHEN PILOT GAS PRESS. REG. IS AGA CERTIFIED DEVICE  
WITH INTEGRAL LEAK LIMITING ORIFICE: SUCH AS RV-20, RV-  
10 AND RV-12, VENT LINE FOR PILOT GAS PRESS. REG. MAY  
NOT BE REQ'D. UNLESS SPEC'D. BY OTHER CODES.  
(NO PROVISION FOR EXTERNAL VENTING ON RV-10 & 12)  
(RV-20 HAS OPTIONAL VENTING WITH P/N. 30912)

REFER TO SPECIFIC REGULATOR LITERATURE FOR  
RECOMMENDED STRAIGHT RUN OF PIPING BEFORE/AFTER  
REGULATOR AND SENSING LINE (IF APPLIC.)

PREPIPED GAS TRAIN

\* (PROOF OF CLOSURE REQ'D. ABOVE 5,000,000 BTU'S)

EQUIPMENT SHOWN ON DIAGRAM IS ONLY PROVIDED AND  
MOUNTED BY POWER FLAME IF SPECIFICALLY CALLED FOR  
ON BURNER SPEC. SHEET.

————— FACTORY PIPED  
----- FIELD PIPED

CAUTION: ALL FIELD PIPED  
COMPONENTS MUST BE MOUNTED  
IN THE PROPER LOCATION AND  
PROPER DIRECTION OF GAS FLOW.

1	PILOT SOLENOID VALVE	13	GAS PRESS. GAUGE
2	PILOT PRESS. REGULATOR	12	TEST COCK (1/4" COMBU)
3	PILOT SHUTOFF COCK	11	MAIN GAS SHUTOFF COCK W/ HANDLE
4	HIGH GAS PRESS. SW.	10	MAIN GAS PRESSURE REGULATOR
5	MOD. BUTTERFLY VALVE	9	LOW GAS PRESSURE SW.
6	LEAKAGE TEST COCK	8	AUX. GAS VALVE
7	MAIN GAS VALVE *		

5	ADDED NOTE 1 & EXT. CONTROL LINE	MH/RAP	10/28/97
4	UPDATED	DL	10/21/97
3	CAPPED ITEM 12	DK	10/21/93
2	ADDED SECOND ITEM 1	DK/NF	2/21/92
1	ADDED ITEM 13	DK/NF	2/19/92
	REVISION	REV'D.	DATE

DRAWN: KIDD	APPVD: DP	FILE: AC	DATE: 2/13/92	PARENT: 1915	DWG.: PDG-1996-5
DRAWING PARAMETERS:					
TITLE: GAS PIPING FOR MODULATING BURNERS WITH INPUTS BELOW 12,500,000 BTU's.				JOB NAME: YORK	
				CODE: UL/CSD	

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