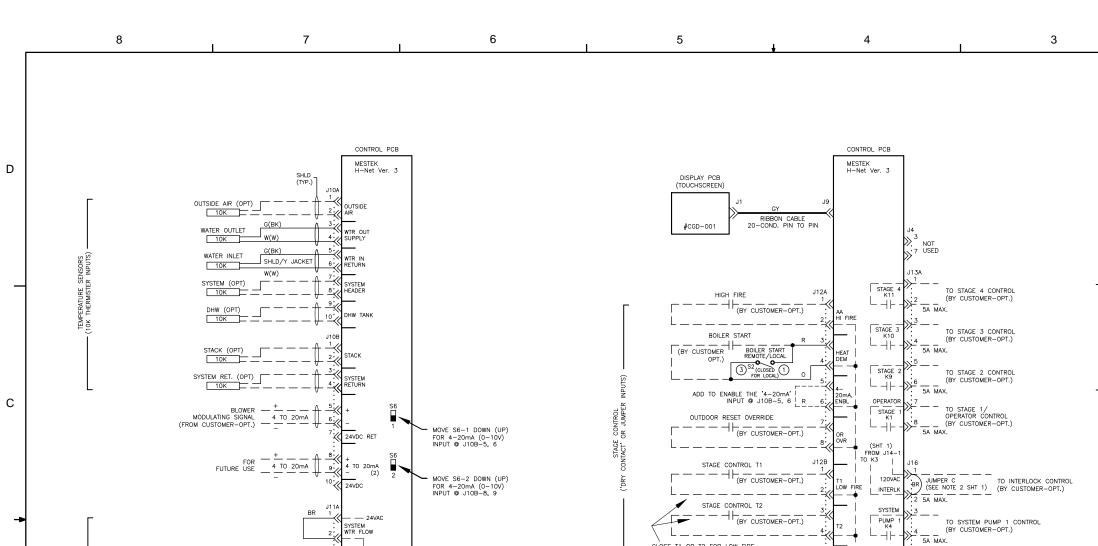


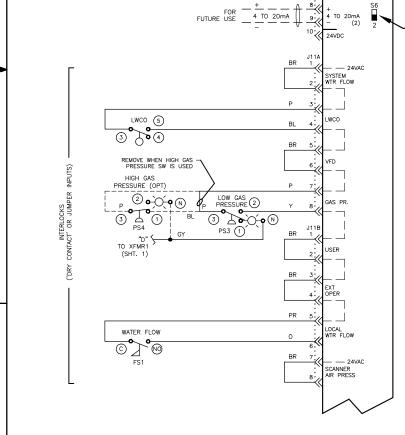
2		1	l	1		
			REVIS	IONS		
	REV.	EN NO.	DATE	DRAWN BY	APPROVED	
	G	11813	05/16/19	LAH	JAS	
						D
BR L	SPARK GENERATOR SG1 FLAME SEN AIR PUMP	BL BK IGNITION CABLE ASSY			, RAL	c
P PR OR VLV2 PROVE AL	BL USE TA BL PP		AIN FLAME AIN FLAME AIN GAS LVE VLV2 DUNGS I ITROL PCB STEK Net Ver. 3 12VDC	RESERVED FOR PILOT FAN ON F3		в

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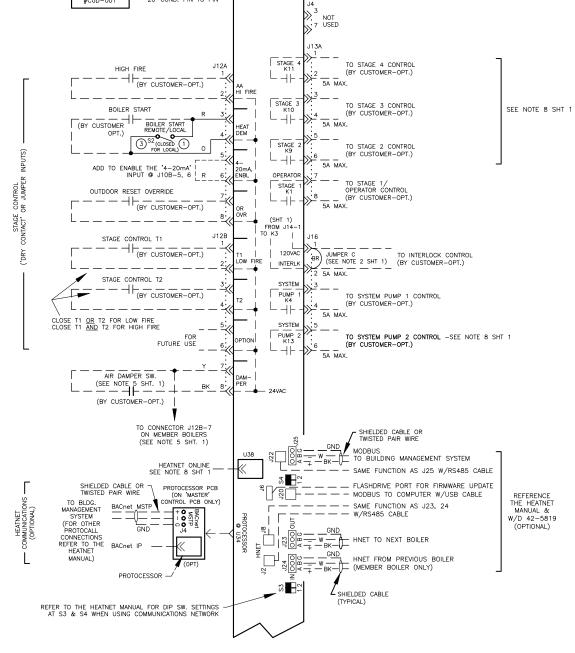
208V/220V-240V-1ø, 3 WIRE, 60HZ

DRAWN BY	DATE DRAWING DESCRIPTION				
RT	09/26/12	LADDER DIAGRAM			
CHECKED BY	DATE	DRAWING NUMBER			
RT	09/26/12	42-00002			
APPROVED BY	DATE	SHEET SHEET SIZE SCALE RE			REVISION
JPC	10/15/12	1 of 4	N/A	G	
2		1			
	RT CHECKED BY RT APPROVED BY	RT 09/26/12 CHECKED BY DATE RT 09/26/12 APPROVED BY DATE	RT 09/26/12 CHECKED BY DATE DRAWING NUMI RT 09/26/12 APPROVED BY DATE SHEET	RT 09/26/12 LADDER CHECKED BY DATE DRAWING NUMBER RT 09/26/12 42-0 APPROVED BY DATE SHEET SHEET SIZE	RT 09/26/12 LADDER DIAGRAM CHECKED BY DATE DRAWING NUMBER RT 09/26/12 42-00002 APPROVED BY DATE SHEET SHEET SIZE SCALE





7



	IVISION PRODUCT I		DRAWN BY	DATE	DRAWING DESCRIPTION			
	ATH KN-16 TO 20		RT	09/26/12		LADDER DIAGRAM		
	THE PRINT AND ALL INFORMATION	N THEREON IS PROPERTY OF THE	CHECKED BY		DRAWING NUMBER			
	ATH DIVISION OF MESTEK, INC. NEITHER THE PRINT NOR THE NFORMATION THEREON MAY BE REPRODUCED OR USED IN ANY		RT	09/26/12	42-00002			
		ANNER WHATSOEVER OR DIVULGED TO ANY OTHER PERSON		DATE	SHEET	SHEET SIZE	SCALE	REVISION
	UNLESS SPECIFICALLY AUTHORIZED BY MESTEK, INC.		JPC	10/15/12	2 of 4	В	N/A	G
	3		0	I		4		
			2					

05/16/19 8 42-00002_G - WIRING DIAGRAM, 208-240V, 1PH, PCB VER3, KN-16 TO 20

В

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05/16/19

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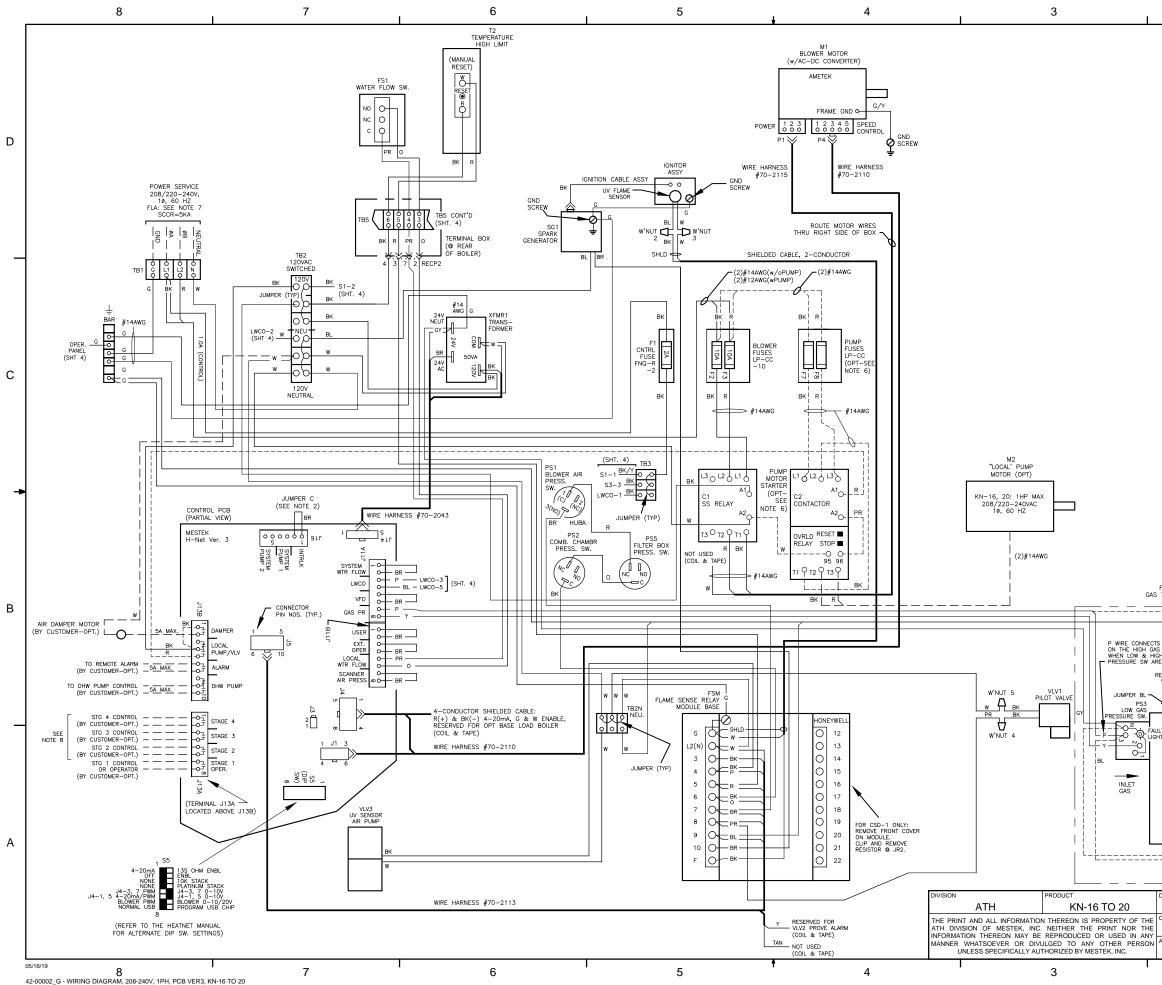
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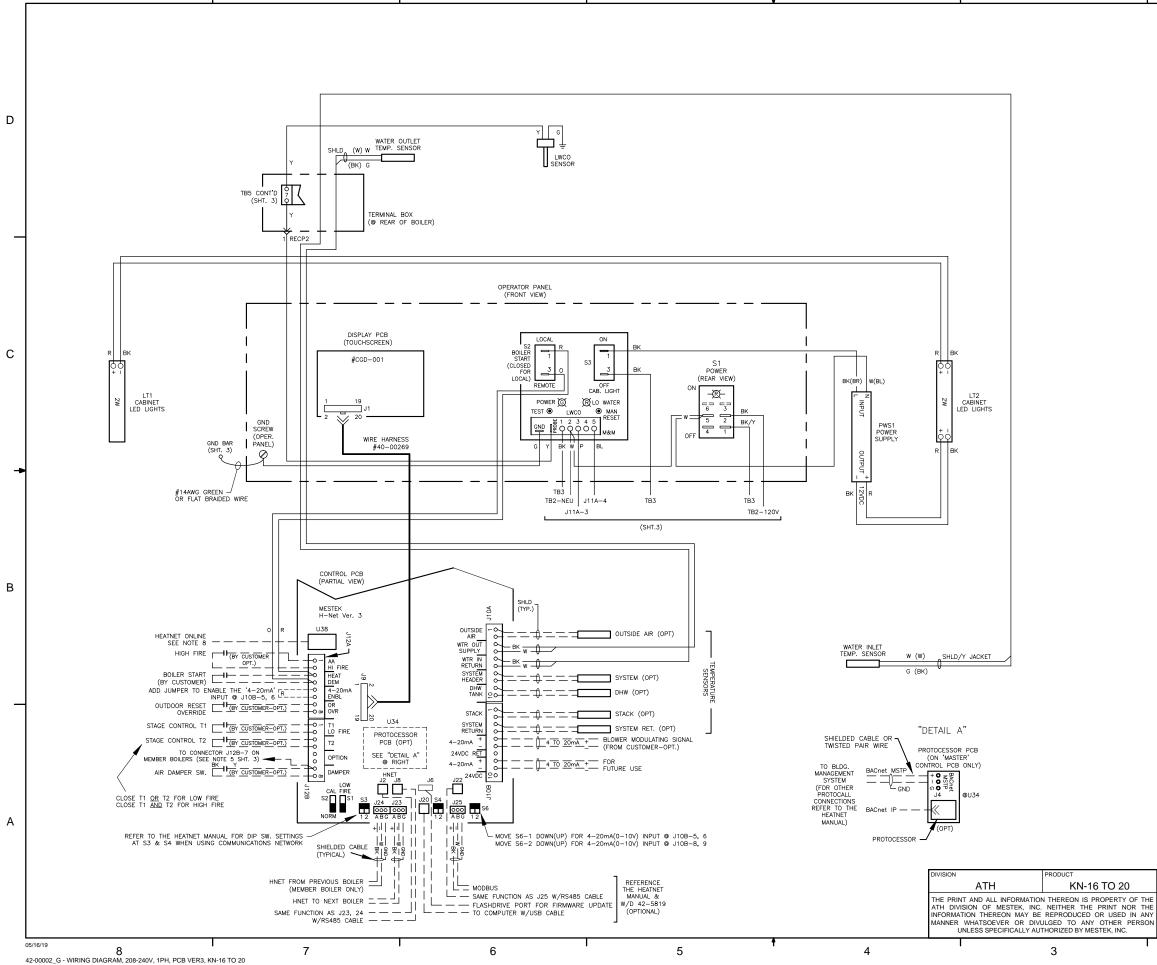
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208V/220V-240V-1ø,	3	WIRE,	60HZ	
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N 1	BL-BLUE (BR-BROWN C	G–GREE GY–GRA` O–ORAN(N P-PINK Y PR-PUR GE R-RED	PLE Y-YE	LLOW		
		 FIELD 	ORY WIRING WIRING DED CABLE, MU	DEVI	IONAL WIRING CE INTERNAL V OR	WIRING	
6	LL WIRES SHALL BE # 00V, STRANDED 16×30	18AWG , WITH	UNLESS SPECIF	ED. WIRE TYPE ED FOR 105	PE SHALL BE OR EQUIVALE	NT.	
U V	ISE CABLE TIES, CABLE VIRENUTS, ETC. AS REC	FASTEN	NERS, SPADE T	ERMINALS, MA	LE CONNECTOR	RS,	
2	. REMOVE JUMPER C	WHEN U	ISING A CUSTON	IER SUPPLIED	INTERLOCK.		
	. POWER SERVICE CIRC					OWER	
	. THE POWER SWITCHE OURCE FOR FIELD CON			UST NOT BE	USED		
M C C C M 6	FOR MULTIBLE BOILE IASTER/MEMBER CONFI- CONNECTOR J12B-7 & CONNECTOR J12B-7 OF IEMBER BOILERS. 'LOCAL' PUMP MOTOI HE FOLLOWING:	GURATIO 8 ON N THE M	<u>N:</u> CONNECT TH THE MASTER BO MASTER BOILER	IE AIR DAMPE DILER. ADD A TO CONNECTO	R SWITCH TO JUMPER FROM DR J12B-7 ON	1 N ALL	
I	HE FOLLOWING:	PUMP	000 (000 04)	N/ 14			С
	CONTACTOR	HP	208/220-240	JV, 1ø			
	SCHNEIDER ELECT. (SQUARE D)	3/4 1	LC1D12G7				
	OVERLOAD	3/4	LRD12 (5.5-	-8A)			
	SCHNEIDER ELECT. (SQUARE D)	1	LRD14 (7-1	0A)			
	PUMP FUSE BUSSMANN OR EQUIVALENT	3/4 1	LP-CC-10 LP-CC-15				
	PART NOS. ARE BAS AS <u>LISTED IN ARTIC</u>					MOTORS	
7	 POWER SERVICE AS FLA (NOT INCLUDING TOTAL FLA (INCLUDIN 	'LOCAL'	PUMP MOTOR	: 13.1A @ 2.	30V, 1ø P)-		
	PUMP	0V, 1ø	IN AND LOCAL	FOMF MOTO	n).		
	3/4 2	0.0A					
	1 2 TOTAL FLA DETERMIN	1.1A ED BY I	USING THE FLA	RATINGS FOR	1 Ø AC INDUC	TION MOTORS	
FRONT VIEW OF B	AS LISTED IN ARTICL	E 430 (OF THE NATION	AL ELECTRICA	_ CODE.		
	CB	UIS AR	E NUT AVAILABI	E WITH THE	H-NEI LIE (LUNIRUL	
		1]				В
TS TO TERMINAL 3 AS PRESSURE SW			1				
IGH GAS RE USED			1				
RECP1 RECEPTACLE ON VALVE ASSY			1				
	PS4	İ					
	HIGH GAS PRESSURE SW	.					
	(OPT.)						
ULT SHT							
		 71					
	HIGH GAS FAULT LIGHT-		1				
	REWIRE BETWEEN TERMINALS						
	N AND 2 AS SHOWN						
VLV2 MAIN GAS VALVE ASS	<i>,</i>		1				
DUNGS			1				-
]		1				A
				208V/220V-	240V-1ø, 3	WIRE, 60HZ	
DRAWN BY RT	DATE 09/26/12		DRAWING DESC		DIAGRAM	1	
CHECKED BY	DATE		DRAWING NUMB			1	
RT APPROVED BY	09/26/12		SHEET	42-0 SHEET SIZE	0002 SCALE	REVISION	
JPC	10/15/12		3 of 4	B	N/A	G	
2		I		1			

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NOTES:
1. WIRE COLOR CODE SHALL BE AS FOLLOWS: BK-BLACK G-OREEN P-PINIK W-WHITE BL-BLUE GY-GRAY PR-PURPLE Y-YELLOW BR-BROWN 0-ORANGE R-RED
WIRE CODE: FACTORY WIRING OPTIONAL WIRING FIELD WIRING SHIELDED CABLE, MULTI-CONDUCTOR
ALL WIRES SHALL BE #18AWG UNLESS SPECIFIED. WIRE TYPE SHALL BE TEW, 600V, STRANDED 16x30, WITH INSULATION RATED FOR 105' OR EQUIVALENT.
USE CABLE TIES, CABLE FASTENERS, SPADE TERMINALS, MALE CONNECTORS, WIRENUTS, ETC. AS REQUIRED.
2, 3
 THE 120V POWER CONTROL CIRCUIT <u>MUST NOT BE USED</u> AS A POWER SOURCE FOR FIELD CONTROL DEVICES.
5, 6, 7
8. HEATNET ONLINE NOT AVAILABLE WITH THE H-NET 'LITE' CONTROL PCB.

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208V/220V-240V-1ø, 3 WIRE, 60HZ

DRAWN BY	DATE	DRAWING DES	DRAWING DESCRIPTION			
RT	09/26/12		LADDER DIAGRAM			
CHECKED BY	DATE	DRAWING NUM	DRAWING NUMBER			
RT	09/26/12		42-00002			
APPROVED BY	DATE	SHEET	SHEET SHEET SIZE SCALE REVISION			
JPC	10/15/12	4 of 4	4 of 4 B N/A G			
			1			