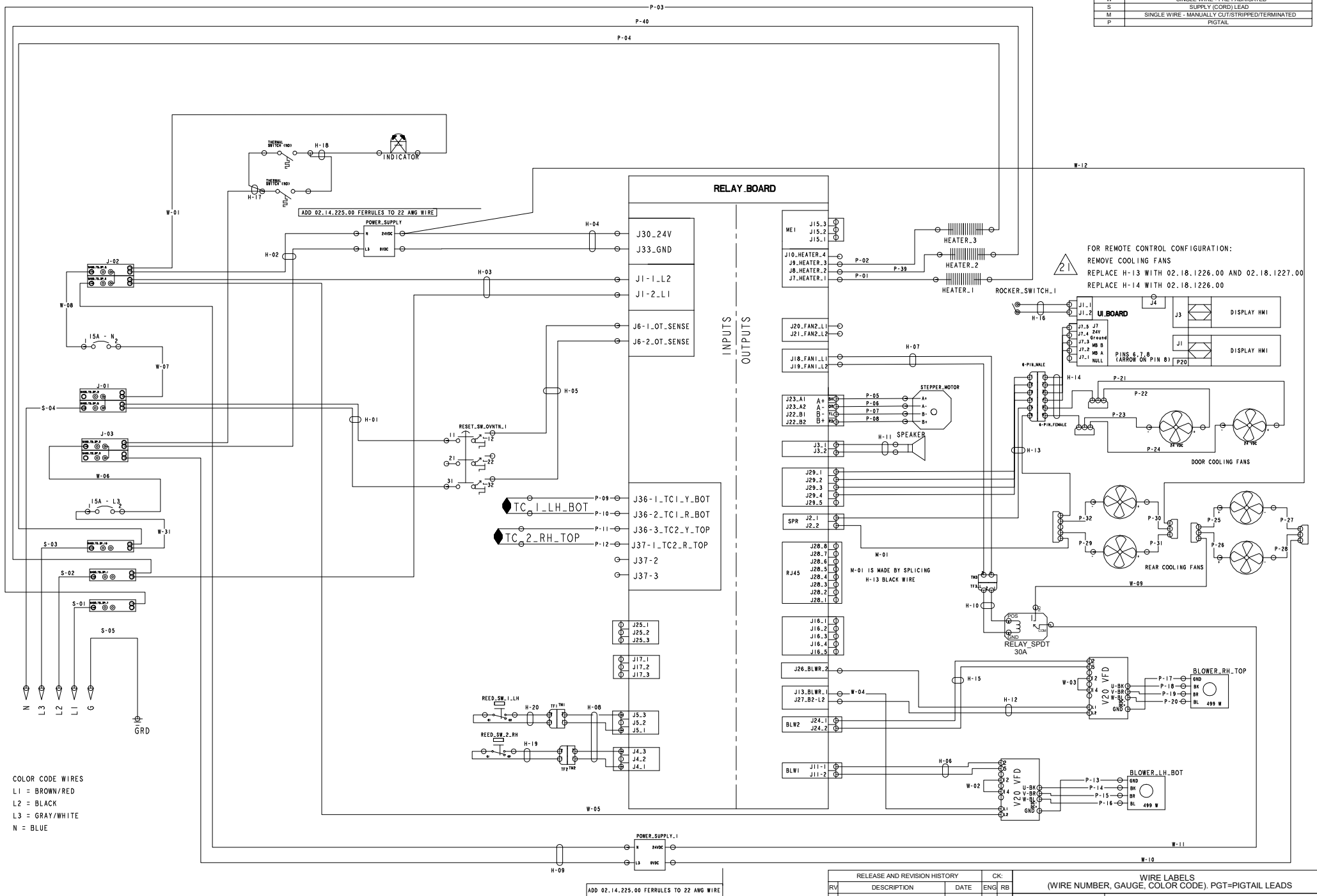


CODE	DESCRIPTION
H	CABLE/HARNESS ASSEMBLY - MULTIPLE CONDUCTORS PRE FABRICATED
W	SINGLE WIRE - PRE FABRICATED
S	SUPPLY (CORD) LEAD
M	SINGLE WIRE - MANUALLY CUT/STRIPPED/TERMINATED
P	PIGTAIL



COLOR CODE WIRES
L1 = BROWN/RED
L2 = BLACK
L3 = GRAY/WHITE
N = BLUE

MODEL DESIGNATION & ELECTRICAL RATINGS					
MODEL	VOLTS	AMPERES	HZ	PHASE	APPROVAL
M1313	230/480 VWE	12.6	50	3	CE

PLUG IEC 60309-3P+2PE, 32A

RELEASE AND REVISION HISTORY				CK:	RB
RV	DESCRIPTION	DATE	ENG	WEM	
1	RELEASED ECO #24789	7-24-14	JPV	WEM	
17	MSC UPDATES, ECO #41752	11-17-21	NJM	JMN	
18	NEW DOOR SWITCH, ECO #43128	7-28-22	NJM	WEM	
19	ADDED FERRULES, ECO #43339	8-31-22	TTH	WEM	
20	REDRAW HEATER LINES, ECO #46504	4-13-23	NJM	WEM	
21	ADD REM BOX OPTIONS, ECO #46737	5-16-23	NJM	WEM	
-	-	-	-	-	-
-	-	-	-	-	-

WIRE LABELS (WIRE NUMBER, GAUGE, COLOR CODE). PGT=PIGTAIL LEADS			
HATCO CORP., MILWAUKEE, WI			
DESCRIPTION OVENTION SCHEMATIC, M1313, 3PH, WYE			
PART NUMBER N/A	DRAWING NUMBER 10-01-1180	REV 21	
Released	SCALE N/A	PROJ: 706601	SHEET 1 OF 2

CODE	DESCRIPTION
H	CABLE/HARNESSE ASSEMBLY - MULTIPLE CONDUCTORS PRE FABRICATED
W	SINGLE WIRE - PRE FABRICATED
S	SUPPLY (CORD) LEAD
M	SINGLE WIRE - MANUALLY CUT/STRIPPED/TERMINATED
P	PGT/AIL

ITEM	COLOR	AWG	FROM COMPONENT	FROM PORT	TO COMPONENT	TO PORT
H-01.1	BLACK	14	WAGO_TB_3P_8	3	RESET_SW_OVNTN_1	31
H-01.2	BLUE	14	WAGO_TB_3P_8	2	RESET_SW_OVNTN_1	11
H-02.1	BLACK	14	WAGO_TB_3P_2	3	POWER_SUPPLY	L3
H-02.2	WHITE	18	WAGO_TB_3P_5	3	POWER_SUPPLY	N
H-03.1	BLACK	18	WAGO_TB_3P_1	3	RELAY_BOARD	J1-2_L1
H-03.2	WHITE	18	WAGO_TB_3P_6	2	RELAY_BOARD	J1-1_L2
H-04.1	BLACK	22	POWER_SUPPLY	0VDC	RELAY_BOARD	J33_GND
H-04.2	RED	22	POWER_SUPPLY	24VDC	RELAY_BOARD	J30_24V
H-05.1	BLACK	14	RESET_SW_OVNTN_1	32	RELAY_BOARD	J6-2_OT_SENSE
H-05.2	BLUE	14	RESET_SW_OVNTN_1	12	RELAY_BOARD	J6-1_OT_SENSE
H-06.1	BLUE	22	RELAY_BOARD	J11-1	MOTOR_CTRL_OVNTN_2	2
H-06.2	GRAY	22	RELAY_BOARD	J11-2	MOTOR_CTRL_OVNTN_2	5
H-07.1	BLACK	22	RELAY_BOARD	J18_FAN1_L1	TM3	1
H-07.2	WHITE	22	RELAY_BOARD	J19_FAN1_L2	TM3	2
H-08.1	BROWN	22	RELAY_BOARD	J5_3	TM1	2
H-08.2	BROWN	22	RELAY_BOARD	J4_3	TM2	2
H-08.3	YELLOW	22	RELAY_BOARD	J5_1	TM1	1
H-08.4	ORANGE	22	RELAY_BOARD	J4_1	TM2	1
H-09.1	BLACK	18	WAGO_TB_3P_9	3	POWER_SUPPLY_1	L3
H-09.2	WHITE	18	WAGO_TB_3P_6	1	POWER_SUPPLY_1	N
H-10.1	BLACK	22	TF3_L	1	RELAY_SPDT_1	POS
H-10.2	WHITE	22	TF3_L	2	RELAY_SPDT_1	GND
H-11.1	BLUE	22	RELAY_BOARD	J3_1	SPEAKER	2
H-11.2	BROWN	22	RELAY_BOARD	J3_2	SPEAKER	1
H-12.1	WHITE	18	RELAY_BOARD	J27_B2_L2	MOTOR_CTRL_OVNTN_1	L2
H-12.2	BLACK	18	RELAY_BOARD	J26_BLWR_2	MOTOR_CTRL_OVNTN_1	L1
H-13.1	ORANGE	22	RELAY_BOARD	J29_1	6-PIN-MALE	1
H-13.2	YELLOW	22	RELAY_BOARD	J29_2	6-PIN-MALE	2
H-13.3	BROWN	22	RELAY_BOARD	J29_3	6-PIN-MALE	3
H-13.4	GRAY	22	RELAY_BOARD	J29_4	6-PIN-MALE	4
H-13.5	RED	22	RELAY_BOARD	J2_1	6-PIN-MALE	5
H-13.6	BLACK	22	INLINE_CONNECTORS_3	1/5F	6-PIN-MALE	6
H-14.1	ORANGE	22	6-PIN-FEMALE	1	UI_BOARD	5
H-14.2	YELLOW	22	6-PIN-FEMALE	2	UI_BOARD	4
H-14.3	BROWN	22	6-PIN-FEMALE	3	UI_BOARD	3
H-14.4	GRAY	22	6-PIN-FEMALE	4	UI_BOARD	2
H-14.5	RED	22	6-PIN-FEMALE	5	INLINE_CONNECTORS_1	1/3F
H-14.6	BLACK	22	6-PIN-FEMALE	6	INLINE_CONNECTORS_2	1/3F
H-15.1	BLUE	22	RELAY_BOARD	J24_1	MOTOR_CTRL_OVNTN_1	2
H-15.2	GRAY	22	RELAY_BOARD	J24_2	MOTOR_CTRL_OVNTN_1	5
H-16.1	BLACK	22	ROCKER_SWITCH_1	1	UI_BOARD	J1_1
H-16.2	WHITE	22	ROCKER_SWITCH_1	2	UI_BOARD	J1_2
H-17.1	BLACK	20	THERMAL_SWITCH_LH	1	THERMAL_SWITCH_RH	1
H-17.2	BLACK	20	WAGO_TB_3P_2	2	THERMAL_SWITCH_LH	1
H-18.1	BLACK	22	THERMAL_SWITCH_RH	2	NC	
H-18.2	BLACK	22	THERMAL_SWITCH_RH	2	THERMAL_SWITCH_LH	2
H-19.1	BLACK	24	TF2	2	REED_SW_2_RH	2
H-19.2	BLACK	24	TF2	1	REED_SW_2_RH	1
H-20.1	BLACK	24	TF1	2	REED_SW_1_LH	2
H-20.2	BLACK	24	TF1	1	REED_SW_1_LH	1
J-01	GRAY	JUMPER	WAGO_TB_3P_8	5	WAGO_TB_3P_3	5
J-02	GRAY	JUMPER	WAGO_TB_3P_6	5	WAGO_TB_3P_5	5
J-03	GRAY	JUMPER	WAGO_TB_3P_9	5	WAGO_TB_3P_2	5
M-01	UNASSIGNED	UNASSIGNED	INLINE_CONNECTORS_3	5/5F	RELAY_BOARD	J2_2
P-01	WHITE W/ YELLOW	PGT	RELAY_BOARD	J7_HEATER_1	HEATER_1	1
P-02	WHITE W/ BLUE	PGT	RELAY_BOARD	J9_HEATER_3	HEATER_3	1
P-03	WHITE W/ YELLOW	PGT	HEATER_1	2	WAGO_TB_3P_7	2
P-04	WHITE W/ BLUE	PGT	HEATER_3	2	WAGO_TB_3P_10	2
P-05	BLACK	PGT	STEPPER_MOTOR	A1	RELAY_BOARD	J23_A1
P-06	ORANGE	PGT	STEPPER_MOTOR	A2	RELAY_BOARD	J23_A2
P-07	YELLOW	PGT	STEPPER_MOTOR	B1	RELAY_BOARD	J22_B1
P-08	RED	PGT	STEPPER_MOTOR	B2	RELAY_BOARD	J22_B2
P-09	YELLOW	PGT	TC_1_LH_BOT	1	RELAY_BOARD	J36-1_TC1_Y_BOT
P-10	RED	PGT	TC_1_LH_BOT	2	RELAY_BOARD	J36-2_TC1_R_BOT
P-11	YELLOW	PGT	TC_2_RH_TOP	1	RELAY_BOARD	J36-3_TC2_Y_TOP
P-12	RED	PGT	TC_2_RH_TOP	2	RELAY_BOARD	J37-1_TC2_R_TOP
P-13	GREEN	PGT	MOTOR_CTRL_OVNTN_2	GND-GR	BLOWER_LH_BOT	4
P-14	BLACK	PGT	MOTOR_CTRL_OVNTN_2	U-BK	BLOWER_LH_BOT	1
P-15	BROWN	PGT	MOTOR_CTRL_OVNTN_2	V-BR	BLOWER_LH_BOT	2
P-16	BLUE	PGT	MOTOR_CTRL_OVNTN_2	W-BL	BLOWER_LH_BOT	3
P-17	GREEN	PGT	MOTOR_CTRL_OVNTN_1	GND-GR	BLOWER_RH_TOP	4
P-18	BLACK	PGT	MOTOR_CTRL_OVNTN_1	U-BK	BLOWER_RH_TOP	1
P-19	BROWN	PGT	MOTOR_CTRL_OVNTN_1	V-BR	BLOWER_RH_TOP	2
P-20	BLUE	PGT	MOTOR_CTRL_OVNTN_1	W-BL	BLOWER_RH_TOP	3
P-21	RED	PGT	DOOR_FAN_2	+	INLINE_CONNECTORS_1	2/3F
P-22	RED	PGT	DOOR_FAN_1	+	INLINE_CONNECTORS_1	3/3F
P-23	BLACK	PGT	DOOR_FAN_1	-	INLINE_CONNECTORS_2	2/3F
P-24	BLACK	PGT	DOOR_FAN_2	-	INLINE_CONNECTORS_2	3/3F
P-25	RED	PGT	INLINE_CONNECTORS_5	1/3F	FAN2_R_T	+
P-26	RED	PGT	INLINE_CONNECTORS_5	2/3F	FAN_R_B	+
P-27	BLACK	PGT	FAN2_R_T	-	INLINE_CONNECTORS_6	3/3F
P-28	BLACK	PGT	FAN_R_B	-	INLINE_CONNECTORS_6	2/3F
P-29	BLACK	PGT	INLINE_CONNECTORS_3	4/5F	FAN_L_B	-
P-30	RED	PGT	INLINE_CONNECTORS_4	2/3F	FAN_L_T	+
P-31	RED	PGT	FAN_L_B	+	INLINE_CONNECTORS_4	1/3F

ITEM	COLOR	AWG	FROM COMPONENT	FROM PORT	TO COMPONENT	TO PORT
P-32	BLACK	PGT	FAN_L_1		INLINE_CONNECTORS_3	2/5F
P-39	WHITE W/ RED	PGT	RELAY_BOARD	J8_HEATER_2	HEATER_2	1
P-40	WHITE W/ RED	PGT	HEATER_2	L1	WAGO_TB_3P_1	2
S-01	RED	PGT	L1	NA	WAGO_TB_3P_7	1
S-02	BLACK	PGT	L2	NA	WAGO_TB_3P_1	1
S-03	WHITE	PGT	L3	NA	WAGO_TB_3P_10	1
S-04	WHITE	PGT	N	NA	WAGO_TB_3P_8	1
S-05	GREEN	PGT	G	NA	GROUND_1	GRD
W-01	WHITE	20	INDICATOR_LAMP	2	WAGO_TB_3P_5	2
W-02	BLACK	22	MOTOR_CTRL_OVNTN_2	14	MOTOR_CTRL_OVNTN_2	12
W-03	BLACK	22	MOTOR_CTRL_OVNTN_1	14	MOTOR_CTRL_OVNTN_1	12
W-04	RED	12	RELAY_BOARD	J13_BLWR_1	MOTOR_CTRL_OVNTN_2	L1
W-05	WHITE	18	WAGO_TB_3P_6	3	MOTOR_CTRL_OVNTN_2	L2
W-06	WHITE	10	ISA - L3	2	WAGO_TB_3P_2	1
W-07	BLUE	10	WAGO_TB_3P_3	3	ISA - N	2
W-08	BLUE	10	ISA - N	1	WAGO_TB_3P_5	1
W-09	ORANGE	18	INLINE_CONNECTORS_5	3/3F	RELAY_SPDT_1	NO
W-10	GRAY	18	POWER_SUPPLY_1	0VDC	INLINE_CONNECTORS_6	1/3F
W-11	ORANGE	22	POWER_SUPPLY_1	24VDC	RELAY_SPDT_1	COM
W-12	YELLOW	22	INLINE_CONNECTORS_4	3/3F	POWER_SUPPLY	24VDC
W-31	WHITE	10	WAGO_TB_3P_10	3	ISA - L3	1

BILL OF MATERIALS

ITEM NUMBER	QTY
02.15.074.00	3
02.18.561.00	2
02.18.626.00	1
02.18.627.00	1
02.18.631.00	1
02.18.632.00	1
02.18.636.00	1
02.18.639.00	1
02.18.640.00	1
02.18.641.00	1
02.18.655.00	1
02.18.657.00	1
02.18.659.00	1
02.18.662.00	2
02.18.682.00	2
02.18.688.00	1
02.18.811.00	1
02.18.812.00	1
02.18.813.00	1
02.18.814.00	1
02.18.1040.00	2
02.18.1041.00	1
02.18.1042.00	1
02.18.1043.00	1
02.18.1049.00	1
02.18.1304.00	2
02.18.1342.00	2
02.18.1375.00	1
CORD G	1
CORD L1	1
CORD L2	2
CORD L3	1
UNASSIGNED	1

DIAGRAM KEY

CODE	ITEM NUMBER
H-01	02.18.813.00
H-02	02.18.682.00
H-03	02.18.812.00
H-04	02.18.659.00
H-05	02.18.657.00
H-06	02.18.626.00
H-07	02.18.627.00
H-08	02.18.639.00
H-09	02.18.682.00
H-10	02.18.1043.00
H-11	02.18.814.00
H-12	02.18.655.00
H-13	02.18.811.00
H-14	02.18.636.00
H-15	02.18.631.00
H-16	02.18.1375.00
H-17	02.18.640.00
H-18	02.18.632.00
H-19	02.18.561.00
H-20	02.18.561.00

DIAGRAM KEY

CODE	ITEM NUMBER
J-01	02.15.074.00
J-02	02.15.074.00
J-03	02.15.074.00
M-01	UNASSIGNED
W-01	02.18.641.00
W-02	02.18.662.00
W-03	02.18.662.00
W-04	02.18.688.00
W-05	02.18.1049.00
W-06	02.18.1342.00
W-07	02.18.1304.00
W-08	02.18.1304.00
W-09	02.18.1040.00
W-10	02.18.1042.00
W-11	02.18.1040.00
W-12	02.18.1041.00
W-31	02.18.1342.00

ADDITIONAL BOM PARTS:

ITEM NUMBER QTY
02.14.225.00 2

RELEASE AND REVISION HISTORY				CK:	WIRE LABELS (WIRE NUMBER, GAUGE, COLOR CODE). PGT=PIGTAIL LEADS			
RV	DESCRIPTION	DATE	ENG	RB	UNLESS OTHERWISE SPECIFIED DIM'S ARE IN INCHES			
17	RELEASED ECO #24789	7-24-14	JPV	WEM	HATCO CORP., MILWAUKEE, WI			
18	MSC UPDATES, ECO #41752	11-17-21	NJM	WJS				
19	NEW DOOR SWITCH, ECO #43128	7-28-22	NJM	WEM				
20	ADDED FERRULES, ECO #43339	8-31-22	NJM	WEM	DESCRIPTION OVENTION SCHEMATIC, M1313, 3PH, WYE			
21	REDRAW HEATER LINES, ECO #46504	4-13-23	NJM	WEM	THIS PRINT IS NOT TO BE REPRODUCED WITHOUT PERMISSION OF HATCO CORP.	PART NUMBER N/A	DRAWING NUMBER 10-01-1180	REV 21
20	ADD REM BOX OPTION, ECO #46737	5-16-23	NJM	WEM				
-	-	-	-	-				
-	-	-	-	-	Released	SCALE N/A	PROJ: 706601	SHEET 2 OF 2