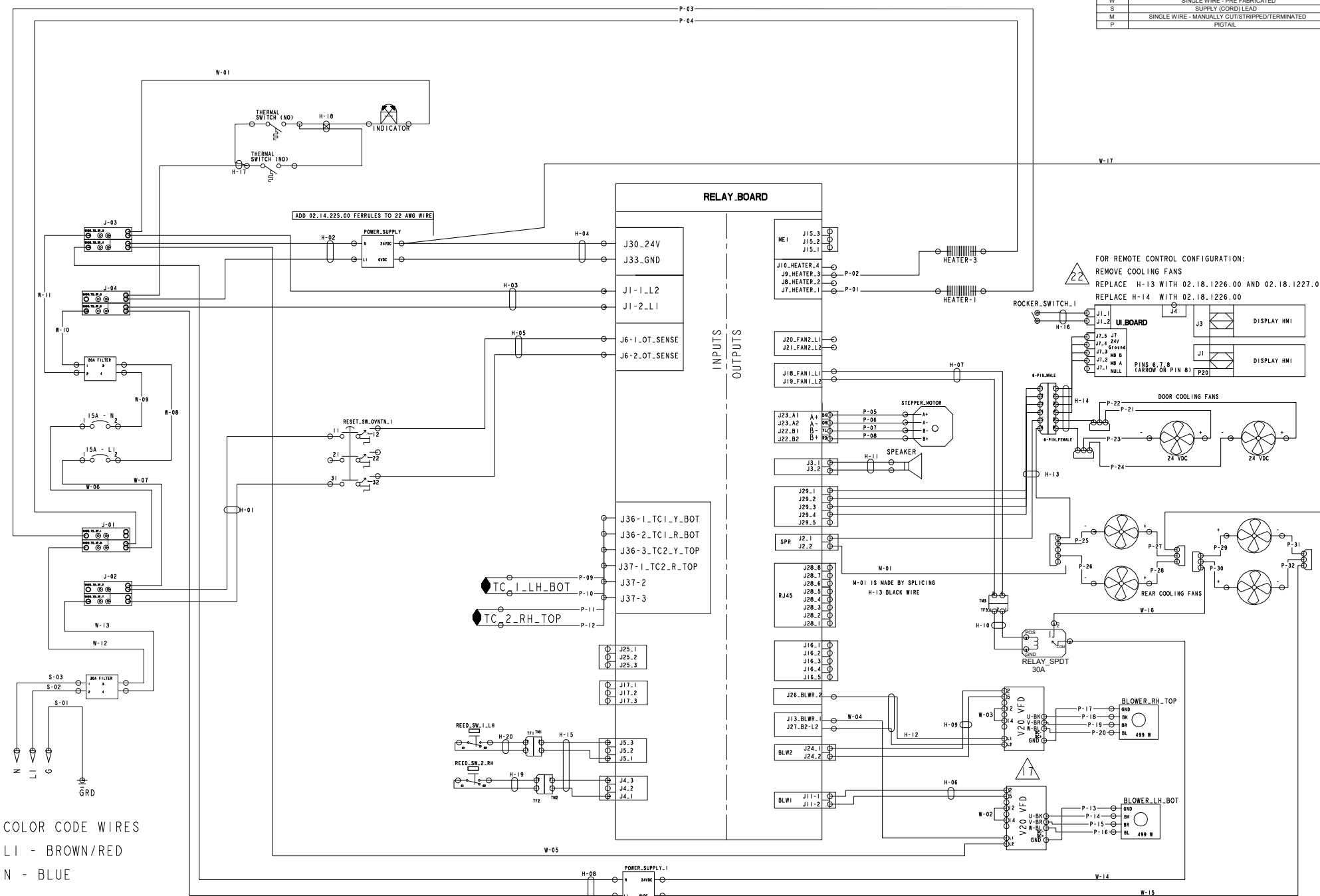


CODE	DESCRIPTION
H	CABLE/HARNESS ASSEMBLY - MULTIPLE CONDUCTORS PRE FABRICATED
W	SINGLE WIRE - PRE FABRICATED
S	SUPPLY (CORD) LEAD
M	SINGLE WIRE - MANUALLY CUT/STRIPPED/TERMINATED
P	PIGTAIL



COLOR CODE WIRES
 LI - BROWN/RED
 N - BLUE

MODEL DESIGNATION & ELECTRICAL RATINGS					
MODEL	VOLTS	AMPERES	HZ	PHASE	APPROVAL
M1313	230	24	50	1	CE

PLUG					
IEC 60309-2P+PE-32A					

RELEASE AND REVISION HISTORY				WIRE LABELS (WIRE NUMBER, GAUGE, COLOR CODE). PGT=PIGTAIL LEADS			
RV	DESCRIPTION	DATE	ENG	RB	DESCRIPTION		
1	RELEASED ECO.#04789	7-24-14	JPV	WEM	UNLESS OTHERWISE SPECIFIED DIMS ARE IN INCHES		
17	SWITCHED TO V50, ECO.#46762	6-3-21	NJM	WJS			
18	MSIC UPDATES, ECO.#41752	11-17-21	NJM	WJS	THIS PRINT IS NOT TO BE REPRODUCED WITHOUT PERMISSION OF HATCO CORP.		
19	W-08W-10 WAS 68W, W-13 WAS 1343, ECO.#42654	1-18-22	NJM	WJS			
20	NEW DOOR SWITCH, ECO.#43128	7-28-22	NJM	WEM	PART NUMBER N/A		
21	RELEASED FERRULES, ECO.#43339	8-31-22	TTH	WEM			
22	ADD REM BOX OPTIONS, ECO.#46737	5-16-23	NJM	WEM	DRAWING NUMBER 10-01-1181		
-	-	-	-	-			
Released					SCALE: N/A	PROJ: 706602	SHEET 1 OF 2

HATCO CORP., MILWAUKEE, WI

DESCRIPTION
 OVENTION SCHEMATIC, M1313, 1PH, CE

REV 22

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

ITEM	COLOR	AWG	FROM COMPONENT	FROM PORT	TO COMPONENT	TO PORT
H-01.1	BLACK	14	WAGO_TB_3P_7	3	RESET_SW_OVNTN.1	31
H-01.2	BLUE	14	WAGO_TB_3P_2	3	RESET_SW_OVNTN.1	11
H-02.1	BLACK	18	WAGO_TB_3P_5	3	POWER_SUPPLY	2
H-02.2	WHITE	18	WAGO_TB_3P_4	2	POWER_SUPPLY	1
H-03.1	BLACK	18	WAGO_TB_3P_6	2	RELAY_BOARD	J1-2_L1
H-03.2	WHITE	18	WAGO_TB_3P_3	3	RELAY_BOARD	J1-1_L2
H-04.1	BLACK	22	POWER_SUPPLY	4	RELAY_BOARD	J33_GND
H-04.2	RED	22	POWER_SUPPLY	3	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.1	2
H-06.2	GRAY	22	RELAY_BOARD	J11-2	MOTOR_CTRL_OVNTN.1	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	BLACK	18	WAGO_TB_3P_6	3	POWER_SUPPLY.1	L1
H-08.2	WHITE	18	WAGO_TB_3P_4	1	POWER_SUPPLY.1	N
H-09.1	BLUE	22	RELAY_BOARD	J24.1	MOTOR_CTRL_OVNTN.2	2
H-09.2	GRAY	22	RELAY_BOARD	J24.2	MOTOR_CTRL_OVNTN.2	5
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.2	L2
H-12.2	BLACK	18	RELAY_BOARD	J26_BLWR.2	MOTOR_CTRL_OVNTN.2	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	BROWN	22	TM1	2	RELAY_BOARD	J5.3
H-15.2	BROWN	22	TM2	2	RELAY_BOARD	J4.3
H-15.3	YELLOW	22	TM1	1	RELAY_BOARD	J5.1
H-15.4	ORANGE	22	TM2	1	RELAY_BOARD	J4.1
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_5	2	THERMAL_SWITCH_LH	1
H-18.1	BLACK	22	THERMAL_SWITCH_RH	2	INDICATOR_LAMP	1
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_1	5	WAGO_TB_3P_8	5
J-02	GRAY	JUMPER	WAGO_TB_3P_2	5	WAGO_TB_3P_7	5
J-03	GRAY	JUMPER	WAGO_TB_3P_3	5	WAGO_TB_3P_4	5
J-04	GRAY	JUMPER	WAGO_TB_3P_5	5	WAGO_TB_3P_6	5
M-01	UNASSIGNED	UNASSIGNED	NC		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_1	1
P-04	WHITE W/ BLUE	PGT	HEATER.3	2	WAGO_TB_3P_8	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.1	GND-GR	BLOWER_LH.BOT	4
P-14	BLACK	PGT	MOTOR_CTRL_OVNTN.1	U-BK	BLOWER_LH.BOT	1
P-15	BROWN	PGT	MOTOR_CTRL_OVNTN.1	V-BR	BLOWER_LH.BOT	2
P-16	BLUE	PGT	MOTOR_CTRL_OVNTN.1	W-BL	BLOWER_LH.BOT	3
P-17	GREEN	PGT	MOTOR_CTRL_OVNTN.2	GND-GR	BLOWER_RH.TOP	4
P-18	BLACK	PGT	MOTOR_CTRL_OVNTN.2	U-BK	BLOWER_RH.TOP	1
P-19	BROWN	PGT	MOTOR_CTRL_OVNTN.2	V-BR	BLOWER_RH.TOP	2
P-20	BLUE	PGT	MOTOR_CTRL_OVNTN.2	W-BL	BLOWER_RH.TOP	3
P-21	RED	PGT	DOOR_FAN.1	+	INLINE_CONNECTORS.1	3/3F
P-22	RED	PGT	DOOR_FAN.2	+	INLINE_CONNECTORS.1	2/3F
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	BLACK	PGT	FAN_L_T	-	INLINE_CONNECTORS.3	2/5F
P-26	BLACK	PGT	FAN_L_B	-	INLINE_CONNECTORS.3	4/5F
P-27	RED	PGT	INLINE_CONNECTORS.4	2/3F	FAN_L_T	+
P-28	RED	PGT	FAN_L_B	+	INLINE_CONNECTORS.4	1/3F
P-29	RED	PGT	INLINE_CONNECTORS.5	1/3F	FAN2_R_T	+
P-30	RED	PGT	INLINE_CONNECTORS.5	2/3F	FAN_R_B	+
P-31	BLACK	PGT	FAN2_R_T	-	INLINE_CONNECTORS.6	3/3F
P-32	BLACK	PGT	FAN_R_B	-	INLINE_CONNECTORS.6	2/3F
S-01	GREEN	10	G	NA	GROUND.1	GRD
S-02	BROWN	10	L1	NA	30A_EMI_FILTER	2

ITEM	COLOR	AWG	FROM COMPONENT	FROM PORT	TO COMPONENT	TO PORT
S-03	BLUE	10	N	NA	30A_EMI_FILTER	1
W-01	WHITE	20	INDICATOR_LAMP	2	WAGO_TB_3P_3	2
W-02	BLACK	22	MOTOR_CTRL_OVNTN.1	14	MOTOR_CTRL_OVNTN.1	12
W-03	BLACK	22	MOTOR_CTRL_OVNTN.2	14	MOTOR_CTRL_OVNTN.2	12
W-04	BLACK	18	RELAY_BOARD	J13_BLWR.1	MOTOR_CTRL_OVNTN.1	11
W-05	WHITE	18	WAGO_TB_3P_4	3	MOTOR_CTRL_OVNTN.1	12
W-06	WHITE	12	WAGO_TB_3P_8	3	15A - N	1
W-07	RED	12	WAGO_TB_3P_2	2	15A - L1	1
W-08	RED	10	15A - L1	2	20A_EMI_FILTER	3
W-09	BLUE	10	15A - N	2	20A_EMI_FILTER	4
W-10	RED	10	20A_EMI_FILTER	1	WAGO_TB_3P_6	1
W-11	BLUE	10	20A_EMI_FILTER	2	WAGO_TB_3P_3	1
W-12	BLUE	10	30A_EMI_FILTER	3	WAGO_TB_3P_8	1
W-13	RED	10	30A_EMI_FILTER	4	WAGO_TB_3P_7	1
W-14	ORANGE	18	POWER_SUPPLY.1	24VDC	RELAY_SPDT.1	COM
W-15	GRAY	22	POWER_SUPPLY.1	0VDC	INLINE_CONNECTORS.6	1/3F
W-16	ORANGE	18	INLINE_CONNECTORS.5	3/3F	RELAY_SPDT.1	NO
W-17	YELLOW	22	INLINE_CONNECTORS.4	3/3F	POWER_SUPPLY	3

BILL OF MATERIALS

ITEM NUMBER	QTY
02.15.074.00	4
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
02.18.660.00	1
02.18.662.00	2
02.18.670.00	1
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
02.18.814.00	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	3
02.18.1347.00	3
02.18.1375.00	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	02.18.682.00
H-09	02.18.631.00
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	02.18.639.00
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
J-01	02.15.074.00
J-02	02.15.074.00
J-03	02.15.074.00
J-04	02.15.074.00
M-01	UNASSIGNED

DIAGRAM KEY

CODE	ITEM NUMBER
W-01	02.18.641.00
W-02	02.18.662.00
W-03	02.18.662.00
W-04	02.18.660.00
W-05	02.18.1049.00
W-06	02.18.670.00
W-07	02.18.688.00
W-08	02.18.1347.00
W-09	02.18.1304.00
W-10	02.18.1347.00
W-11	02.18.1304.00
W-12	02.18.1304.00
W-13	02.18.1347.00
W-14	02.18.1040.00
W-15	02.18.1042.00
W-16	02.18.1040.00
W-17	02.18.1041.00

ADDITIONAL BOM PARTS:

ITEM NUMBER	QTY
02.14.225.00	2

RELEASE AND REVISION HISTORY					CK:	WIRE LABELS								
REV	DESCRIPTION	DATE	ENG	RB	(WIRE NUMBER, GAUGE, COLOR CODE), PGT=PIGTAIL LEADS									
17	RELEASED ECO.#04789	7-24-14	JPV	WEM	UNLESS OTHERWISE SPECIFIED DIMS ARE IN INCHES					HATCO CORP., MILWAUKEE, WI				
18	SWITCHED TO V50, ECO.#46762	6-3-21	NJM	WJS										
19	MSRC UPDATES, ECO.#41752	11-17-21	NJM	WJS										
19	W-08W-10 WAS 688, W-13 WAS 1343, ECO.#00564	1-18-22	NJM	WJS										
20	NEW DOOR SWITCH,ECO.#43128	7-28-22	NJM	WEM	THIS PRINT IS NOT TO BE REPRODUCED WITHOUT PERMISSION OF HATCO CORP.					DESCRIPTION OVENTION SCHEMATIC,M1313,1PH,CE				
21	ADDED FERRULES, ECO.#43338	8-31-22	TTH	WEM						PART NUMBER N/A		DRAWING NUMBER 10-01-1181		REV Z2
22	ADD REM BOX OPTIONS,ECO.#46737	5-16-23	NJM	WEM										
					Released		SCALE: N/A		PROJ: 706602		SHEET 2 OF 2			