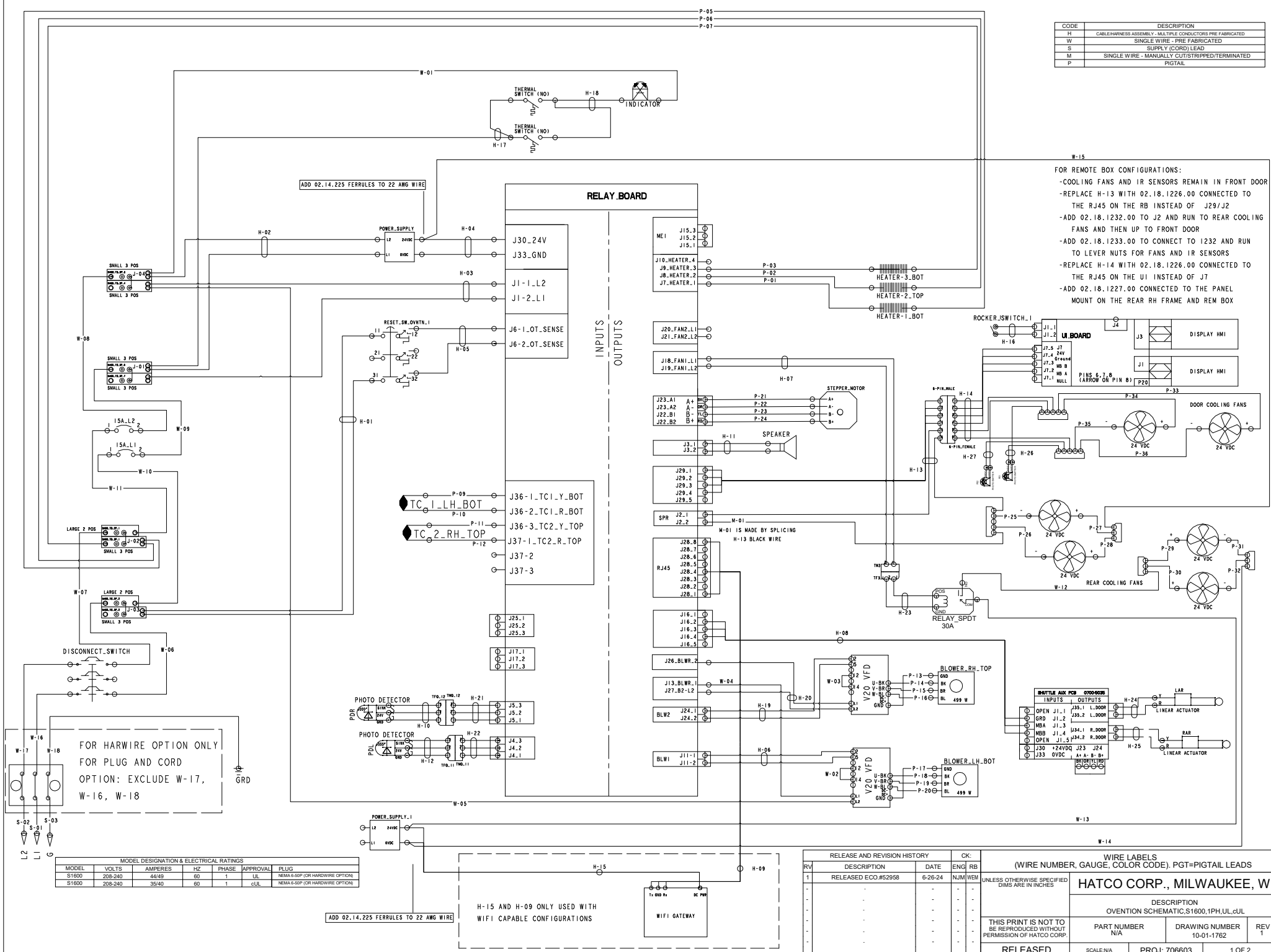




CODE	DESCRIPTION
H	CABLE HARNESS ASSEMBLY - MULTIPLE CONDUCTORS PRE-FABRICATED
W	SINGLE WIRE - PRE-FABRICATED
S	SUPPLY (CORD) LEAD
M	SINGLE WIRE - MANUALLY CUT/STRIPPED/TERMINATED
P	PIGTAIL

FOR REMOTE BOX CONFIGURATIONS:
-COOLING FANS AND IR SENSORS REMAIN IN FRONT DOOR
-REPLACE H-13 WITH 02.18.1226.00 CONNECTED TO THE RJ45 ON THE RB INSTEAD OF J29/J2
-ADD 02.18.1232.00 TO J2 AND RUN TO REAR COOLING FANS AND THEN UP TO FRONT DOOR
-ADD 02.18.1233.00 TO CONNECT TO 1232 AND RUN TO LEVER NUTS FOR FANS AND IR SENSORS
-REPLACE H-14 WITH 02.18.1226.00 CONNECTED TO THE RJ45 ON THE UI INSTEAD OF J7
-ADD 02.18.1227.00 CONNECTED TO THE PANEL MOUNT ON THE REAR RH FRAME AND REM BOX

FOR HARWIRE OPTION ONLY
FOR PLUG AND CORD
OPTION: EXCLUDE W-17,
W-16, W-18

MODEL	VOLTS	AMPERES	HZ	PHASE	APPROVAL	PLUG
S1600	208-240	44/49	60	1	UL	NEMA 6-50P (OR HARDWARE OPTION)
S1600	208-240	35/40	60	1	cUL	NEMA 6-50P (OR HARDWARE OPTION)

H-15 AND H-09 ONLY USED WITH
WIFI CAPABLE CONFIGURATIONS

REV	DESCRIPTION	DATE	ENG	RB
1	RELEASED ECO.#52958	6-26-24	NJM	WEM
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

WIRE LABELS (WIRE NUMBER, GAUGE, COLOR CODE). PGT=PIGTAIL LEADS	
HATCO CORP., MILWAUKEE, WI	
DESCRIPTION OVENTION SCHEMATIC,S1600,1PH,UL,cUL	
PART NUMBER N/A	DRAWING NUMBER 10-01-1762
SCALE: N/A	PROJ: 706603
REV 1	

ITEM	COLOR	AWG	FROM COMPONENT	FROM PORT	TO COMPONENT	TO PORT
H-01.1	BLACK	14	WAGO_TB_3P_2	3	RESET_SW_OVNTN_1	31
H-01.2	BLUE	14	WAGO_TB_3P_2	2	RESET_SW_OVNTN_1	11
H-02.1	BLACK	18	WAGO_TB_3P_6	3	POWER_SUPPLY_1	L1
H-02.2	WHITE	18	WAGO_TB_3P_5	3	POWER_SUPPLY_1	L2
H-03.1	BLACK	18	WAGO_TB_3P_7	2	RELAY_BOARD	J1-2_L1
H-03.2	WHITE	18	WAGO_TB_3P_4	2	RELAY_BOARD	J1-1_L2
H-04.1	BLACK	22	POWER_SUPPLY_1	0 VDC	RELAY_BOARD	J33_GND
H-04.2	RED	22	POWER_SUPPLY_1	24 VDC	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	1	
H-07.2	WHITE	22	RELAY_BOARD	J19_FAN1_L2	2	
H-08.1	BROWN	22	RELAY_BOARD	J16-2	AUX_PCB_0700_5035_1	J1-2
H-08.2	YELLOW	22	RELAY_BOARD	J16-3	AUX_PCB_0700_5035_1	J1-4
H-08.3	ORANGE	22	RELAY_BOARD	J16-4	AUX_PCB_0700_5035_1	J1-3
H-09.1	BLUE	22	RELAY_BOARD	J28-1	WIFI_GATEWAY_1	2
H-09.2	BROWN	22	RELAY_BOARD	J28-4	WIFI_GATEWAY_1	Rx
H-09.3	WHITE/ORANGE	22	RELAY_BOARD	J28-8	WIFI_GATEWAY_1	GND
H-10.1	BLACK	22	TFO_12	1	PHOTO_DETECTOR_RIGHT	G
H-10.2	BROWN	22	TFO_12	2	PHOTO_DETECTOR_RIGHT	S
H-10.3	BLUE	22	TFO_12	3	PHOTO_DETECTOR_RIGHT	SINK
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	BLACK	22	TFO_11	1	PHOTO_DETECTOR_LEFT	G
H-12.2	BROWN	22	TFO_11	2	PHOTO_DETECTOR_LEFT	S
H-12.3	BLUE	22	TFO_11	3	PHOTO_DETECTOR_LEFT	SINK
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	3/5F
H-14.6	BLACK	22	6-PIN FEMALE	6	INLINE_CONNECTORS_2	3/5F
H-15.1	BLACK	22	POWER_SUPPLY_1	0 VDC	WIFI_GATEWAY_1	DC_PWR
H-15.2	RED	22	POWER_SUPPLY_1	24 VDC	WIFI_GATEWAY_1	Port_1_L3
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_6	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	BLUE	22	RELAY_BOARD	J24-2	MOTOR_CTRL_OVNTN_1	2
H-19.2	GRAY	22	RELAY_BOARD	J24-2	MOTOR_CTRL_OVNTN_1	5
H-20.1	WHITE	18	RELAY_BOARD	J27_B2_L2	MOTOR_CTRL_OVNTN_1	L2
H-20.2	BLACK	18	RELAY_BOARD	J26_B1WR_2	MOTOR_CTRL_OVNTN_1	L1
H-21.1	ORANGE	22	RELAY_BOARD	J5-1	TMO_12	1
H-21.2	RED	22	RELAY_BOARD	J5-2	TMO_12	2
H-21.3	BLACK	22	RELAY_BOARD	J5-3	TMO_12	3
H-22.1	BLACK	22	RELAY_BOARD	J4-3	TMO_11	3
H-22.2	RED	22	RELAY_BOARD	J4-2	TMO_11	2
H-22.3	YELLOW	22	RELAY_BOARD	J4-1	TMO_11	1
H-23.1	BLACK	22	TF3-L	2	RELAY_SPST_1	POS
H-23.2	WHITE	22	TF3-L	2	RELAY_SPST_1	GND
H-24.1	BLUE	22	AUX_PCB_0700_5035_1	J35-1	LH_ACTUATOR	Y
H-24.2	GRAY	22	AUX_PCB_0700_5035_1	J35-2	LH_ACTUATOR	R
H-25.1	VIOLET	22	AUX_PCB_0700_5035_1	J34-1	RIGHT_ACTUATOR	Y
H-25.2	GRAY	22	AUX_PCB_0700_5035_1	J34-2	RIGHT_ACTUATOR	R
H-26.1	BLUE	22	INLINE_CONNECTORS_2	1/5F	PHOTO_EMITTER_LEFT	0
H-26.2	BROWN	22	INLINE_CONNECTORS_1	1/5F	PHOTO_EMITTER_LEFT	24
H-27.1	BLUE	22	INLINE_CONNECTORS_2	2/5F	PHOTO_EMITTER_RIGHT	0
H-27.2	BROWN	22	INLINE_CONNECTORS_1	2/5F	PHOTO_EMITTER_RIGHT	24
J-01	GRAY	JUMPER	WAGO_TB_3P_6	5	WAGO_TB_3P_7	5
J-02	GRAY	JUMPER	WAGO_TB_2P_1	4	WAGO_TB_3P_1	5
J-03	GRAY	JUMPER	WAGO_TB_2P_2	4	WAGO_TB_3P_2	5
J-04	GRAY	JUMPER	WAGO_TB_3P_5	5	WAGO_TB_3P_4	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_BOT	1
P-02	WHITE W/ YELLOW	PGT	RELAY_BOARD	J8_HEATER_2	HEATER-2_TOP	1
P-03	WHITE W/ BLUE	PGT	RELAY_BOARD	J9_HEATER_3	HEATER-3_BOT	2
P-05	WHITE W/ YELLOW	PGT	HEATER-1_BOT	2	WAGO_TB_3P_1	2
P-06	WHITE W/ YELLOW	PGT	HEATER-2_TOP	2	WAGO_TB_3P_1	3
P-07	WHITE W/ BLUE	PGT	HEATER-3_BOT	1	WAGO_TB_3P_1	1
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_RH_TOP	1
P-14	BLACK	PGT	MOTOR_CTRL_OVNTN_1	U-BK	BLOWER_RH_TOP	1
P-15	BROWN	PGT	MOTOR_CTRL_OVNTN_1	V-BR	BLOWER_RH_TOP	2
P-16	BLUE	PGT	MOTOR_CTRL_OVNTN_1	W-BL	BLOWER_RH_TOP	3
P-17	GREEN	PGT	MOTOR_CTRL_OVNTN_2	GND-GR	BLOWER_LH_BOT	4
P-18	BLACK	PGT	MOTOR_CTRL_OVNTN_2	U-BK	BLOWER_LH_BOT	1
P-19	BROWN	PGT	MOTOR_CTRL_OVNTN_2	V-BR	BLOWER_LH_BOT	2
P-20	BLUE	PGT	MOTOR_CTRL_OVNTN_2	W-BL	BLOWER_LH_BOT	3
P-21	BLACK	PGT	STEPPER MOTOR	A1	RELAY_BOARD	J23_A1
P-22	ORANGE	PGT	STEPPER MOTOR	A2	RELAY_BOARD	J23_A2
P-23	YELLOW	PGT	STEPPER MOTOR	B1	RELAY_BOARD	J22_B1
P-24	RED	PGT	STEPPER MOTOR	B2	RELAY_BOARD	J22_B2
P-25	BLACK	PGT	INLINE_CONNECTORS_3	2/5F	FAN_L_1	-
P-26	BLACK	PGT	INLINE_CONNECTORS_3	4/5F	FAN_L_B	-
P-27	RED	PGT	FAN_L_1	+	INLINE_CONNECTORS_6	2/3F
P-28	RED	PGT	FAN_L_B	+	INLINE_CONNECTORS_6	1/3F
P-29	RED	PGT	INLINE_CONNECTORS_7	1/3F	FAN2_R_1	+
P-30	RED	PGT	INLINE_CONNECTORS_7	2/3F	FAN_R_B	+
P-31	BLACK	PGT	FAN2_R_1	-	INLINE_CONNECTORS_8	3/3F
P-32	BLACK	PGT	FAN_R_B	-	INLINE_CONNECTORS_8	2/3F

ITEM	COLOR	AWG	FROM COMPONENT	FROM PORT	TO COMPONENT	TO PORT
P-33	RED	PGT	DOOR_FAN_2	+	INLINE_CONNECTORS_1	4/5F
P-34	RED	PGT	DOOR_FAN_1	+	INLINE_CONNECTORS_1	5/5F
P-35	BLACK	PGT	DOOR_FAN_1	-	INLINE_CONNECTORS_2	4/5F
P-36	BLACK	PGT	DOOR_FAN_2	-	INLINE_CONNECTORS_2	5/5F
S-01	BLACK	PGT	L1	NA	T-BLOCK_1	Port_1_4
S-02	WHITE	PGT	L2	NA	T-BLOCK_1	Port_1_3
S-03	GREEN	PGT	G	NA	T-BLOCK_1	Port_1_5
W-01	WHITE	20	WAGO_TB_3P_5	2	INDICATOR_LAMP	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	BLACK	18	RELAY_BOARD	J13_B1WR_1	MOTOR_CTRL_OVNTN_2	L1
W-05	WHITE	18	WAGO_TB_3P_4	3	MOTOR_CTRL_OVNTN_2	L2
W-06	BLACK	6	DISCONNECT_SWITCH	11	WAGO_TB_2P_2	1
W-07	WHITE	6	DISCONNECT_SWITCH	13	WAGO_TB_2P_1	1
W-08	WHITE	12	15A_L2	2	WAGO_TB_3P_5	1
W-09	BLACK	12	15A_L1	2	WAGO_TB_3P_6	1
W-10	BLACK	12	WAGO_TB_2P_2	2	15A_L1	1
W-11	WHITE	12	WAGO_TB_2P_1	2	15A_L2	1
W-12	ORANGE	18	INLINE_CONNECTORS_7	3/3F	RELAY_SPST_1	NO
W-13	ORANGE	18	RELAY_SPST_1	COM	POWER_SUPPLY_1	24 VDC
W-14	GRAY	22	INLINE_CONNECTORS_8	1/3F	POWER_SUPPLY_1	0 VDC
W-15	YELLOW	22	INLINE_CONNECTORS_6	3/3F	POWER_SUPPLY_1	24 VDC
W-16	BLACK	6	T-BLOCK_1	Port_1_1	DISCONNECT_SWITCH	1
W-17	WHITE	6	T-BLOCK_1	Port_1	DISCONNECT_SWITCH	L3
W-18	GREEN	6	T-BLOCK_1	Port_1_2	GROUND_1	GRD

BILL OF MATERIALS

ITEM NUMBER	QTY
02.15.073.00	2
02.15.074.00	2
02.18.626.00	1
02.18.627.00	1
02.18.631.00	1
02.18.632.00	1
02.18.633.00	1
02.18.635.00	1
02.18.636.00	1
02.18.640.00	1
02.18.641.00	1
02.18.643.00	1
02.18.649.00	1
02.18.650.00	1
02.18.655.00	1
02.18.660.00	1
02.18.662.00	2
02.18.667.00	1
02.18.668.00	1
02.18.669.00	2
02.18.670.00	2
02.18.682.00	1
02.18.689.00	1
02.18.810.00	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
02.18.1158.00	2
02.18.1159.00	2
02.18.1247.00	1
02.18.1248.00	1
02.18.1253.00	1
02.18.1254.00	1
02.18.1255.00	1
02.18.1375.00	1
CORD G	1
CORD L1	1
CORD L2	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	02.18.810.00
H-05	02.18.809.00
H-06	02.18.626.00
H-07	02.18.627.00
H-08	02.18.643.00
H-09	02.18.1247.00
H-10	02.18.1158.00
H-11	02.18.814.00
H-12	02.18.1158.00
H-13	02.18.811.00
H-14	02.18.636.00
H-15	02.18.1248.00
H-16	02.18.1375.00
H-17	02.18.640.00
H-18	02.18.632.00
H-19	02.18.631.00
H-20	02.18.655.00
H-21	02.18.635.00
H-22	02.18.633.00
H-23	02.18.1043.00
H-24	02.18.649.00
H-25	02.18.650.00
H-26	02.18.1159.00
H-27	02.18.1159.00
J-01	02.15.074.00
J-02	02.15.073.00
J-03	02.15.073.00

DIAGRAM KEY

CODE	ITEM NUMBER
J-04	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	02.18.660.00
W-05	02.18.1049.00
W-06	02.18.667.00
W-07	02.18.668.00
W-08	02.18.670.00
W-09	02.18.669.00
W-10	02.18.669.00
W-11	02.18.670.00
W-12	02.18.1040.00
W-13	02.18.1040.00
W-14	02.18.1042.00
W-15	02.18.1041.00
W-16	02.18.1254.00
W-17	02.18.1255.00
W-18	02.18.1253.00

ADDITIONAL BOM PARTS:

ITEM NUMBER	QTY
02.14.225.00	2
FOR WIFI OPTION	
ITEM NUMBER	QTY
02.14.255.00	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			
1	RELEASED ECO.#52958	6-26-24	NJM	WEM		HATCO CORP., MILWAUKEE, WI			
-	-	-	-	-		DESCRIPTION OVENTION SCHEMATIC,S1600,1PH,UL,cUL			
-	-	-	-	-		THIS PRINT IS NOT TO BE REPRODUCED WITHOUT PERMISSION OF HATCO CORP.			
-	-	-	-	-		PART NUMBER N/A	DRAWING NUMBER 10-01-1762	REV 1	
-	-	-	-	-		RELEASED	SCALE:NA	PROJ: 706603	2 OF 2