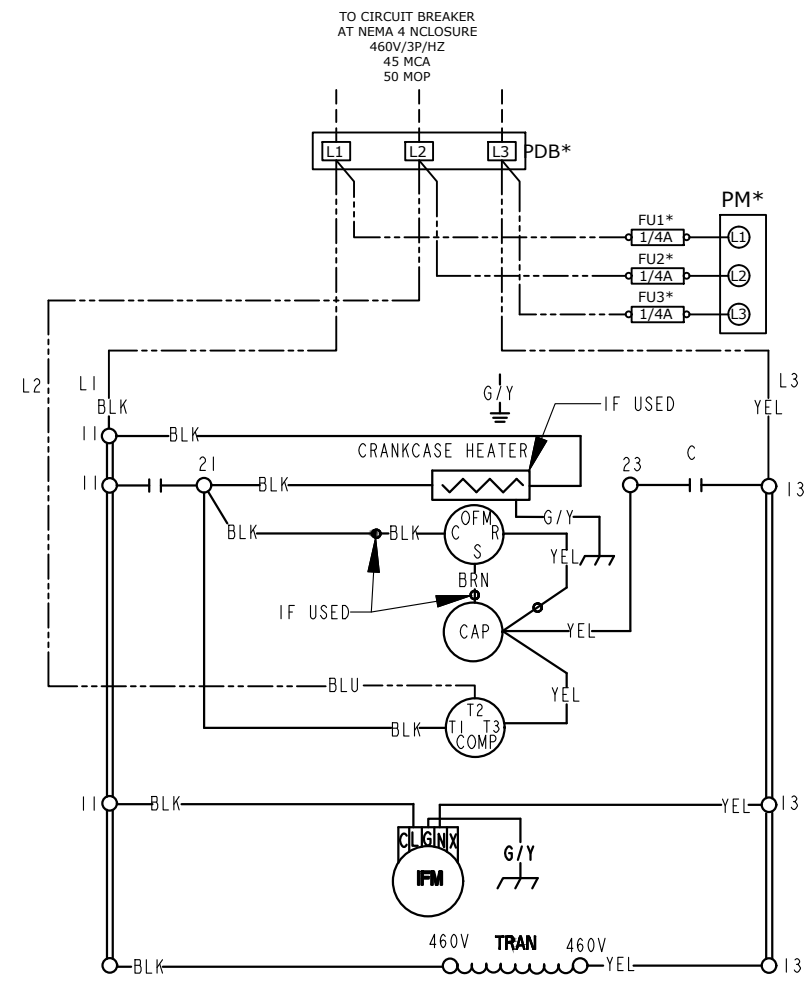


HIGH VOLTAGE



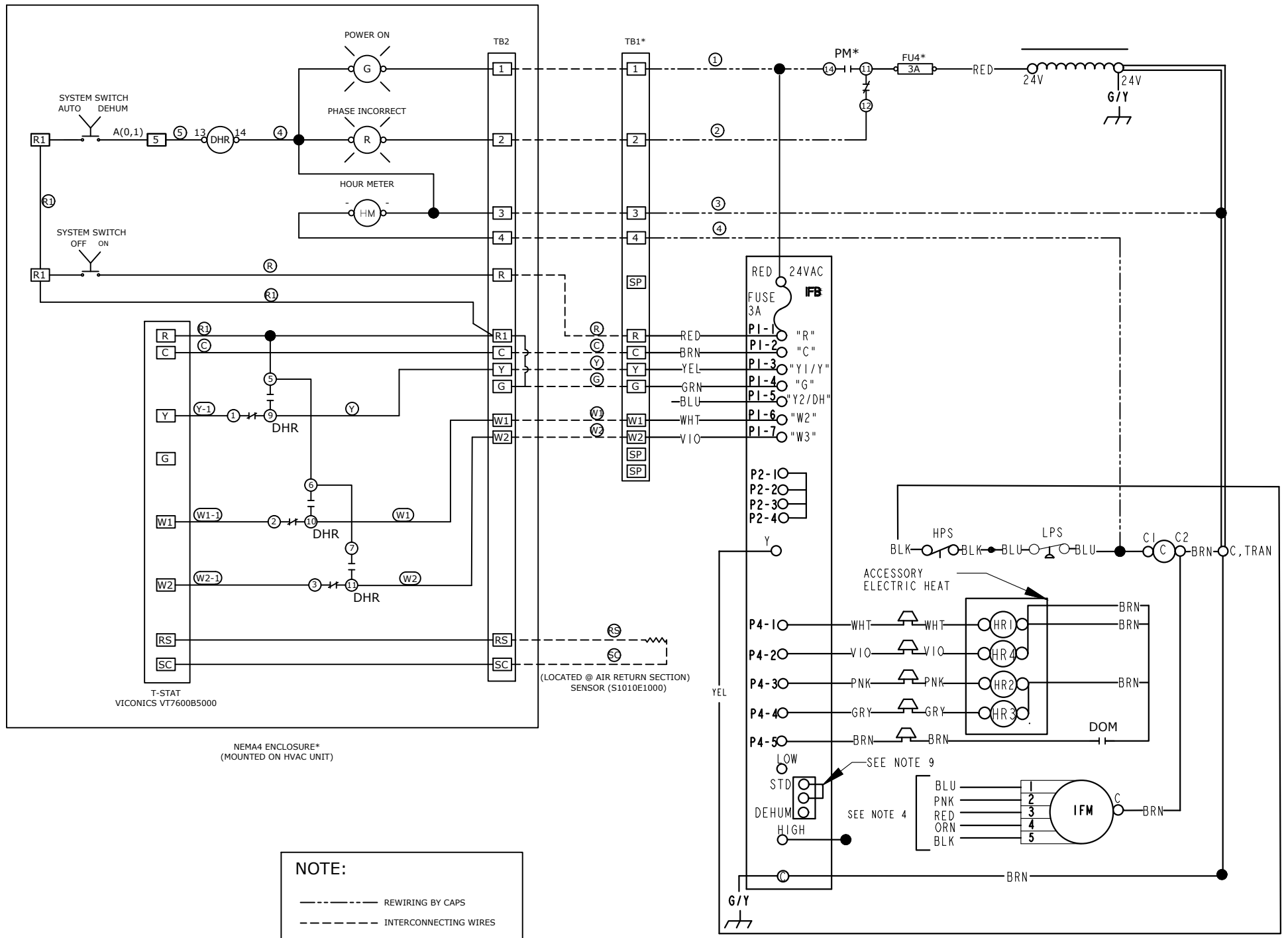
LEGEND

- | | | | | |
|----------------|-------------------------------|-----------------------|------------|-------------------|
| △ FIELD SPLICE | ○ TERMINAL (MARKED) ENERGIZED | ○ TERMINAL (UNMARKED) | ● SPLICE | ○ SPLICE (MARKED) |
| BLK BLACK | BLU BLUE | BRN BROWN | GRY GRAY | GRN GREEN |
| ORN ORANGE | PNK PINK | RED RED | VIO VIOLET | WHT WHITE |
| YEL YELLOW | | | | |
-
- | | | | | |
|-----------------------------|----------------------|-------------------------|--------------------------|--------------------------|
| C CONTACTOR | CAP CAPACITOR | CCH CRANK CASE HEATER | COMP COMPRESSOR MOTOR | DH DEHUMIDIFICATION MODE |
| DEHUM DEHUMIDIFICATION MODE | ECON ECONOMIZER | GND GROUND | HPS HIGH PRESSURE SWITCH | HR HEATER RELAY |
| IFB INTERFACE FAN BOARD | IFM INDOOR FAN MOTOR | LPS LOW PRESSURE SWITCH | OFM OUTDOOR FAN MOTOR | STD STANDARD MODE |
| TRAN TRANSFORMER | | | | |

NOTES:

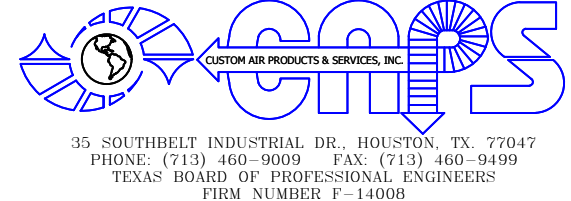
- IF ANY OF THE ORIGINAL WIRES FURNISHED ARE REPLACED, IT MUST BE REPLACED WITH TYPE 90 DEGREE C WIRE OR IT'S EQUIVALENT.
- SEE PRICE PAGES FOR THERMOSTAT AND SUBBASES.
- USE 15 DEGREE COPPER CONDUCTORS FOR FIELD INSTALLATION.
- REFER TO INSTALLATION INSTRUCTIONS FOR CORRECT SPEED SELECTION OF IFM.
- RELOCATION OF SPEED TAPS MAY BE REQUIRED WHEN USING FIELD INSTALLED ELECTRIC HEATERS. CONSULT INSTALLATION INSTRUCTIONS TO DETERMINE CORRECT SPEED TAP SETTING.
- "DO NOT DISCONNECT PLUG UNDER LOAD."
- THIS FUSE IS MANUFACTURED BY LITTELFUSE, P/N 257003
- THESE FUSES ARE MANUFACTURED BY COOPER BUSSMAN, P/N FNO-R-5
- DEHUM FEATURE CANNOT BE USED WHEN ECONOMIZER IS INSTALLED. UNIT FACTORY SHIPPED IN STD MODE

LOW VOLTAGE



NOTE:
 - - - - - REWIRING BY CAPS
 - - - - - INTERCONNECTING WIRES
 * PARTS TO BE ADDED

REV#	DATE	DESIGNER	DESCRIPTION
0	12/06/2017	J.OMALLEY	ISSUED FOR CONSTRUCTION
1	03/30/2018	J.OMALLEY	AS BUILT



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CERTIFIED AS-BUILT

CHECKER: _____ DATE: _____
 APPROVER: _____ DATE: _____

CAPS NO.:	DRAWING:	DRAWN BY:	DATE:
17F-0872	E1	JDOMALLEY	12/06/2017
CUST. PO#:	SHEET:	CHECKED BY:	DATE:
	1 OF 4	DAVID NGUYEN	12/06/2017
SIZE:	REV:	APPROVED BY:	DATE:
B	1	DAVID NGUYEN	03/30/2018

CUSTOMER: **HERC RENTALS**

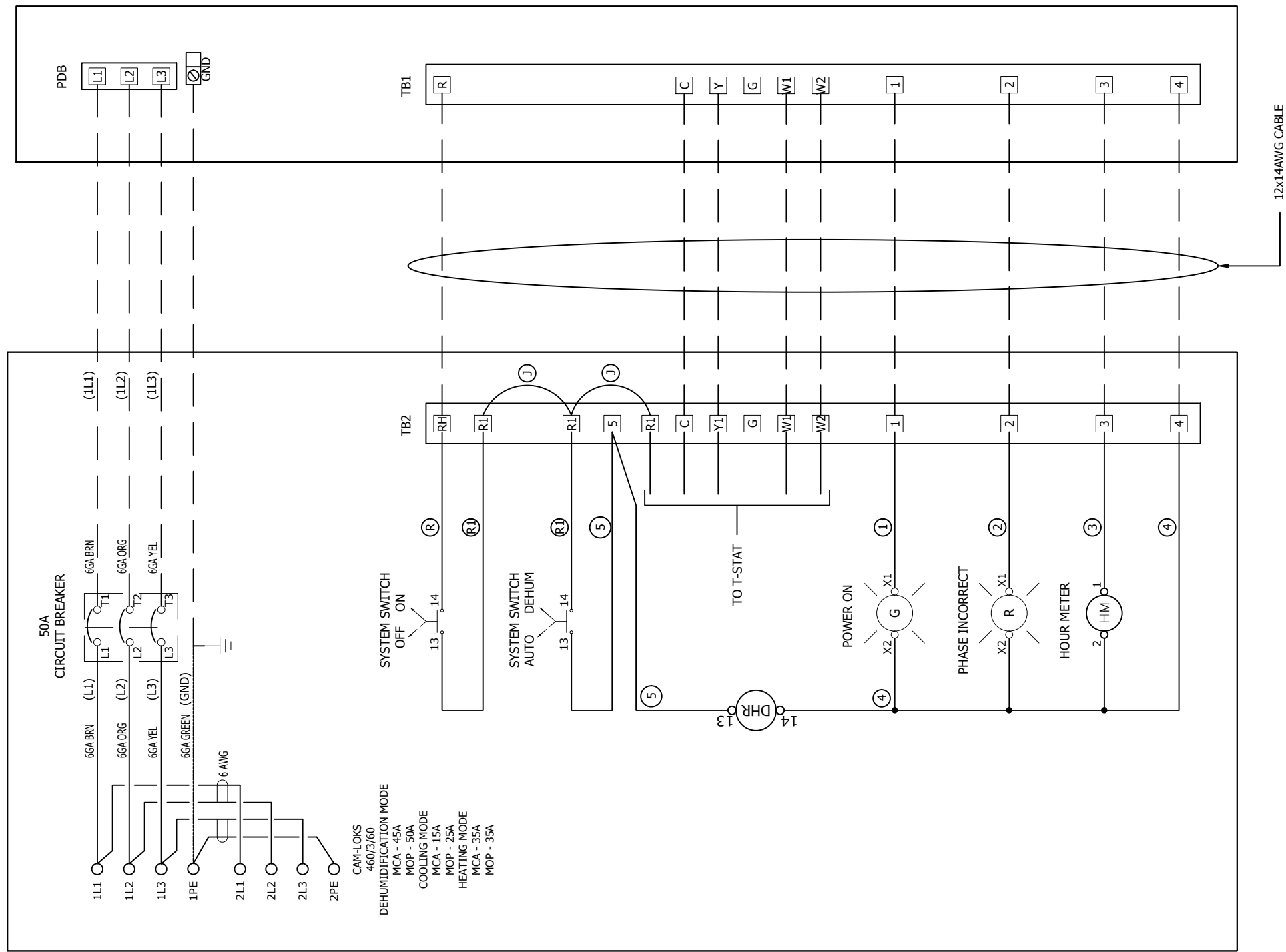
**5 TON PACKAGE UNIT WITH 20KW HEAT
460V/3P/60HZ**

**ELECTRICAL DESIGN
HVAC RETROFITTING WIRING DIAGRAM**

35 SOUTHBELT INDUSTRIAL DR., HOUSTON, TX. 77047
 PHONE: (713) 460-9009 FAX: (713) 460-9499
 TEXAS BOARD OF PROFESSIONAL ENGINEERS
 FIRM NUMBER P-14008

HVAC CONTROL ENCLOSURE

NEMA 4 ENCLOSURE



----- INTERCONNECTING WIRES

WIRING NOTES

THREE PHASE 208/240V	THREE PHASE 480V	SINGLE PHASE 208/240V	24VAC
PHASE A BLACK	PHASE A BROWN	BLACK	RED
PHASE B RED	PHASE B ORANGE	RED	GREY
PHASE C BLUE	PHASE C YELLOW	NEUTRAL WHITE	
NEUTRAL WHITE	NEUTRAL GRAY	24VDC POSITIVE RED	
GROUND GREEN	GROUND GREEN	NEGATIVE BLACK	

INTRINSICALLY SAFE WIRING SHALL BE LIGHT BLUE 18AWG AND MUST BE SEPARATED FROM ALL OTHER WIRING BY A MINIMUM OF 2". IF CABLE IS USED THE CABLE MUST BE SHIELDED WITH THE SHIELD GROUNDED AT A MINIMUM OF ONE END.

IF VAC WIRING GAUGE IS NOT SPECIFIED USE 18 AWG
IF VDC WIRING GAUGE IS NOT SPECIFIED USE 18 AWG



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CERTIFIED AS-BUILT

CHECKER: _____ DATE: _____
APPROVER: _____ DATE: _____

CAPS NO.: 17F-0872	DRAWING: AE2	DRAWN BY: JDOMALLEY	DATE: 12/06/2017
CUST. PO#:	SHEET: 2 OF 4	CHECKED BY: DAVID NGUYEN	DATE: 12/06/2017
SIZE: B	REV: 1	APPROVED BY: DAVID NGUYEN	DATE: 03/30/2018

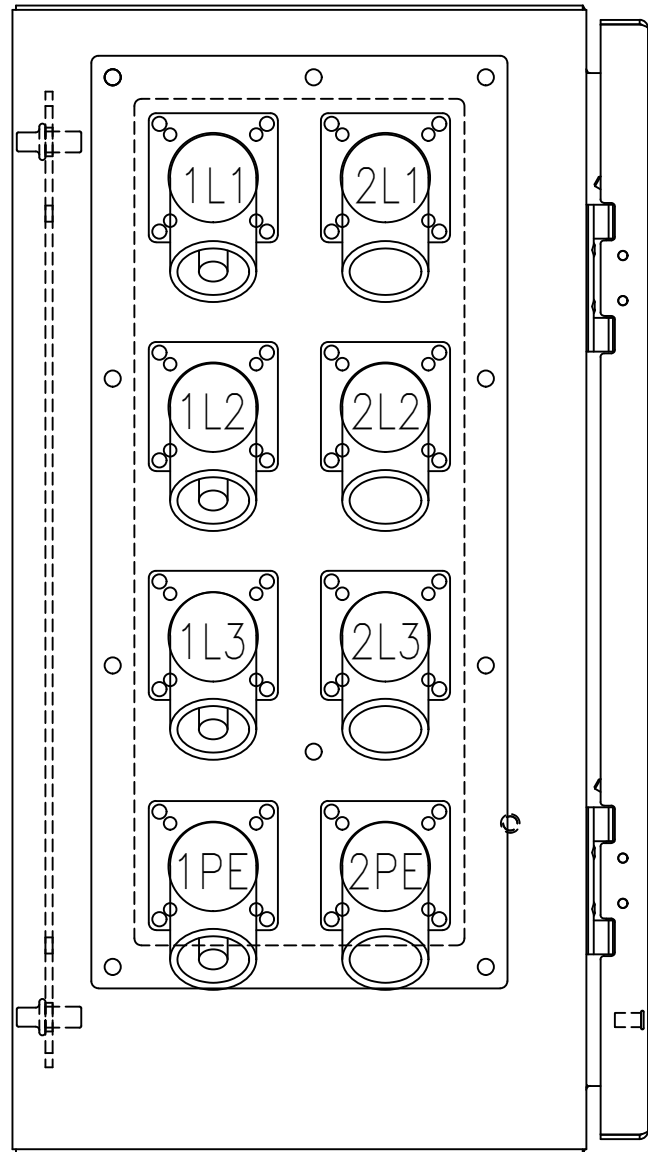
REV#	DATE	DESIGNER	DESCRIPTION
0	12/06/2017	J.OMALLEY	ISSUED FOR CONSTRUCTION
1	03/30/2018	J.OMALLEY	AS BUILT

CUSTOMER: **HERC RENTALS**

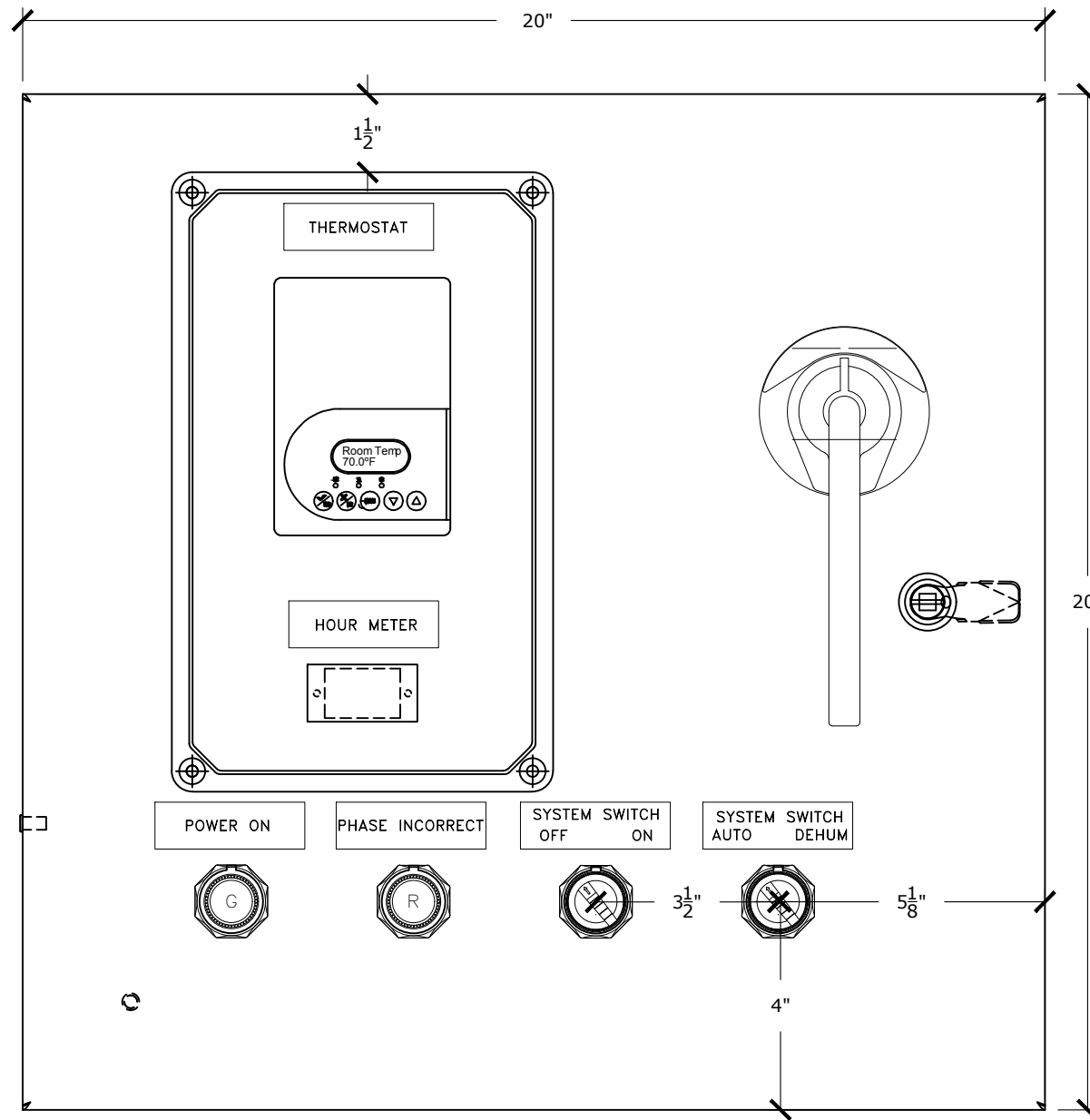
**5 TON PACKAGE UNIT WITH 20KW HEAT
460V/3P/60HZ**

**ELECTRICAL DESIGN
INTERCONNECTING WIRING DIAGRAM**

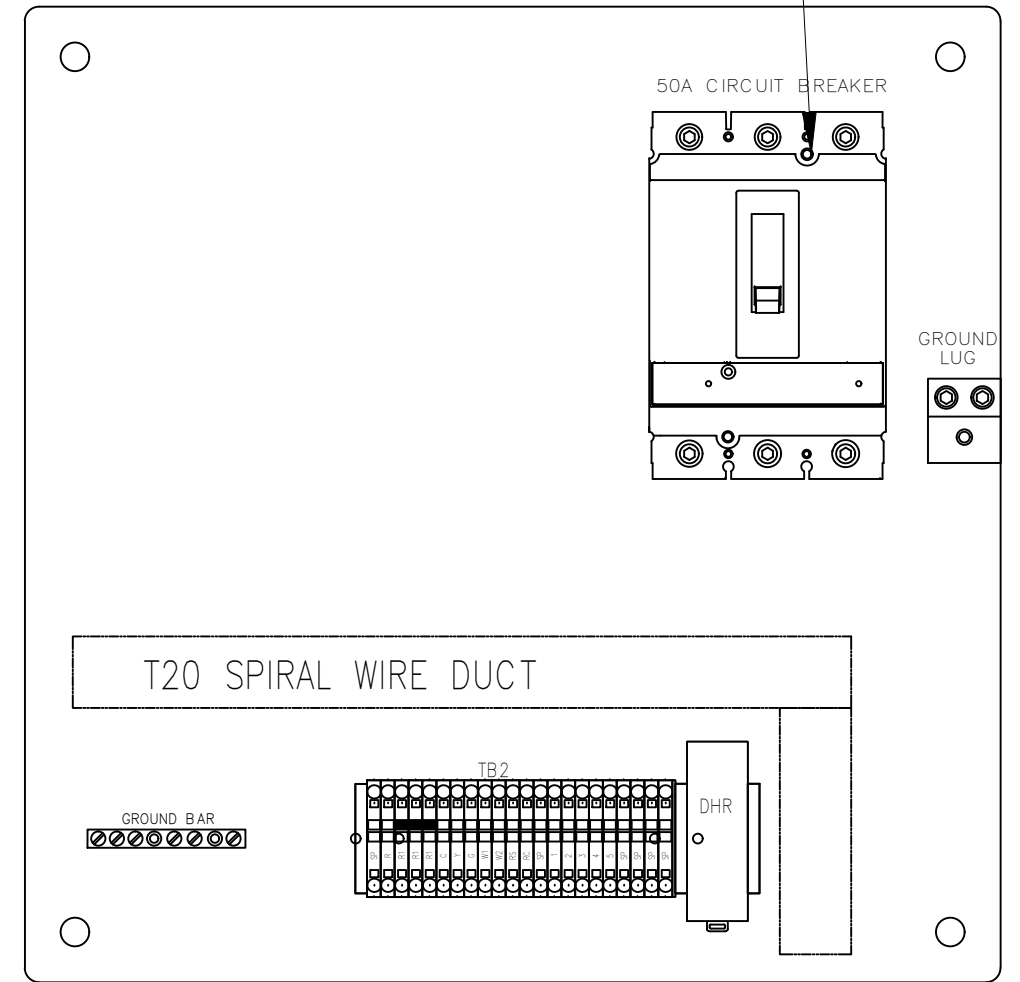
L.H. SIDE VIEW



FRONT VIEW



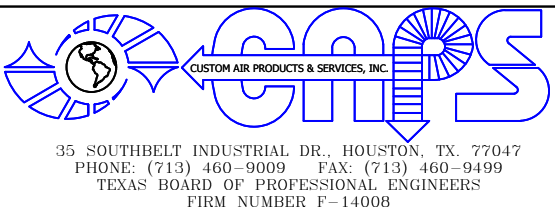
MOUNTING PLATE



HARDWARE PROVIDED WITH BREAKER

SP	R	R1	R1	R1	C	Y	G	W1	W2	RS	RC	SP	1	2	3	4	5	SP	SP	SP	SP
----	---	----	----	----	---	---	---	----	----	----	----	----	---	---	---	---	---	----	----	----	----

REV#	DATE	DESIGNER	DESCRIPTION
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CHECKER: _____ DATE: _____

APPROVER: _____ DATE: _____

CAPS NO.: 17F-0872

DRAWING: AE3

DRAWN BY: JDOMALLEY

DATE: 12/06/2017

CUST. PO#: _____

SHEET: 3 OF 4

CHECKED BY: DAVID NGUYEN

DATE: 12/06/2017

SIZE: B

REV: 1

APPROVED BY: DAVID NGUYEN

DATE: 03/30/2018

CUSTOMER: HERC RENTALS

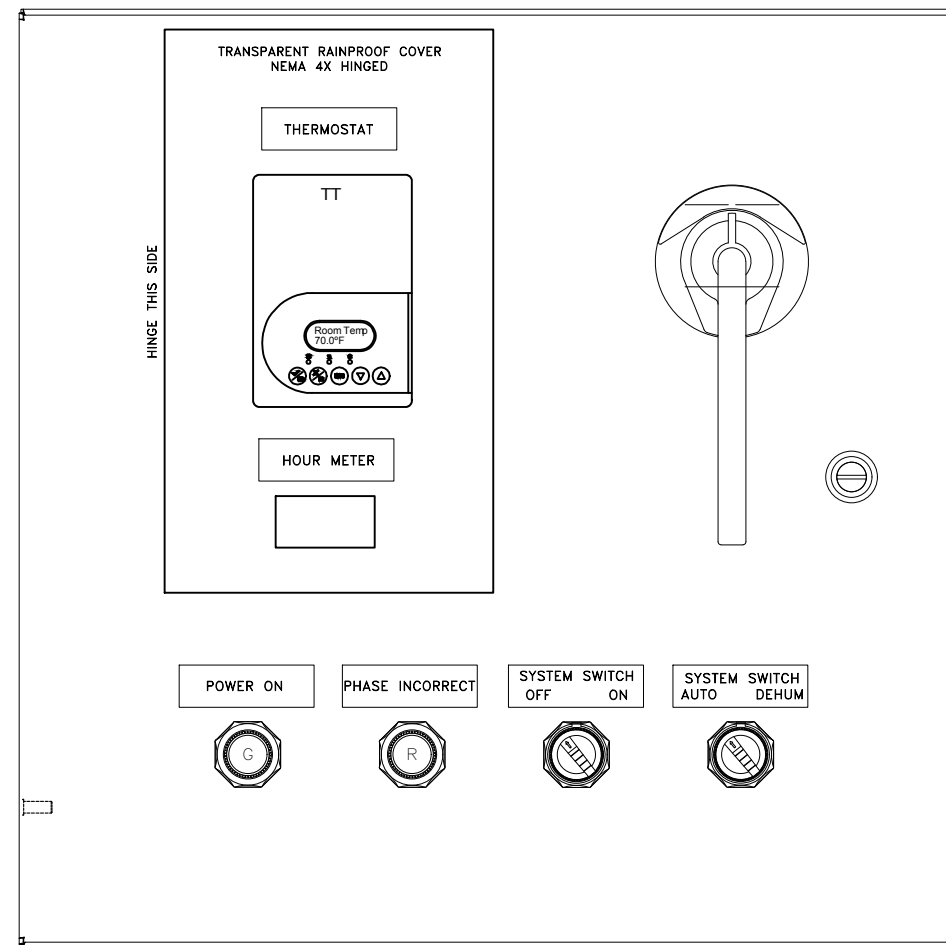
5 TON PACKAGE UNIT WITH 20KW HEAT 460V/3P/60HZ

ELECTRICAL DESIGN NEMA 4 CONTROL ENCLOSURE LAYOUT

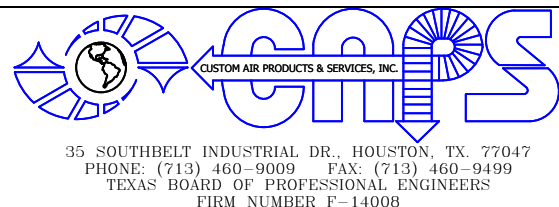
SEQUENCE OF OPERATION

The system is placed into initial operation as follows:

- Turn Master Switch to "OFF" and System Switch to "AUTO"
- Turn Circuit Breaker "ON"
 - If the "Phase Incorrect" light is on, turn off the circuit breaker; reverse two (2) phases of incoming power for proper phase sequencing then check the incoming power source to be sure the unit has a good power source - 460V/3P/60HZ)
 - If the "Power On" light is on and the "Phase Incorrect" light is off, the unit is ready for operation
- Turn Master Switch to "ON"
- Set the Thermostat (Auto changeover) to your desired setpoint temperature: Depending on difference between setpoint temperature and air return temperature, unit can run at cooling or heating mode
- System Switch settings:
 - 1- AUTO: Unit is controlled by the Thermostat
 - 2- Dehum: HVAC controls will bypass the Thermostat and both heat and cool are energized
- Turn the System Switch to "AUTO" and Master Switch to "OFF" to turn off the unit



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CERTIFIED AS-BUILT

CHECKER: _____ DATE: _____
 APPROVER: _____ DATE: _____

CAPS NO.: 17F-0872 DRAWING: AE4 DRAWN BY: JDOMALLEY DATE: 12/06/2017

CUST. PO#: _____ SHEET: 4 OF 4 CHECKED BY: DAVID NGUYEN DATE: 12/06/2017

SIZE: B REV: 1 APPROVED BY: DAVID NGUYEN DATE: 03/30/2018

CUSTOMER: HERC RENTALS

5 TON PACKAGE UNIT WITH 20KW HEAT
 460V/3P/60HZ

ELECTRICAL DESIGN
 SEQUENCE OF OPERATION