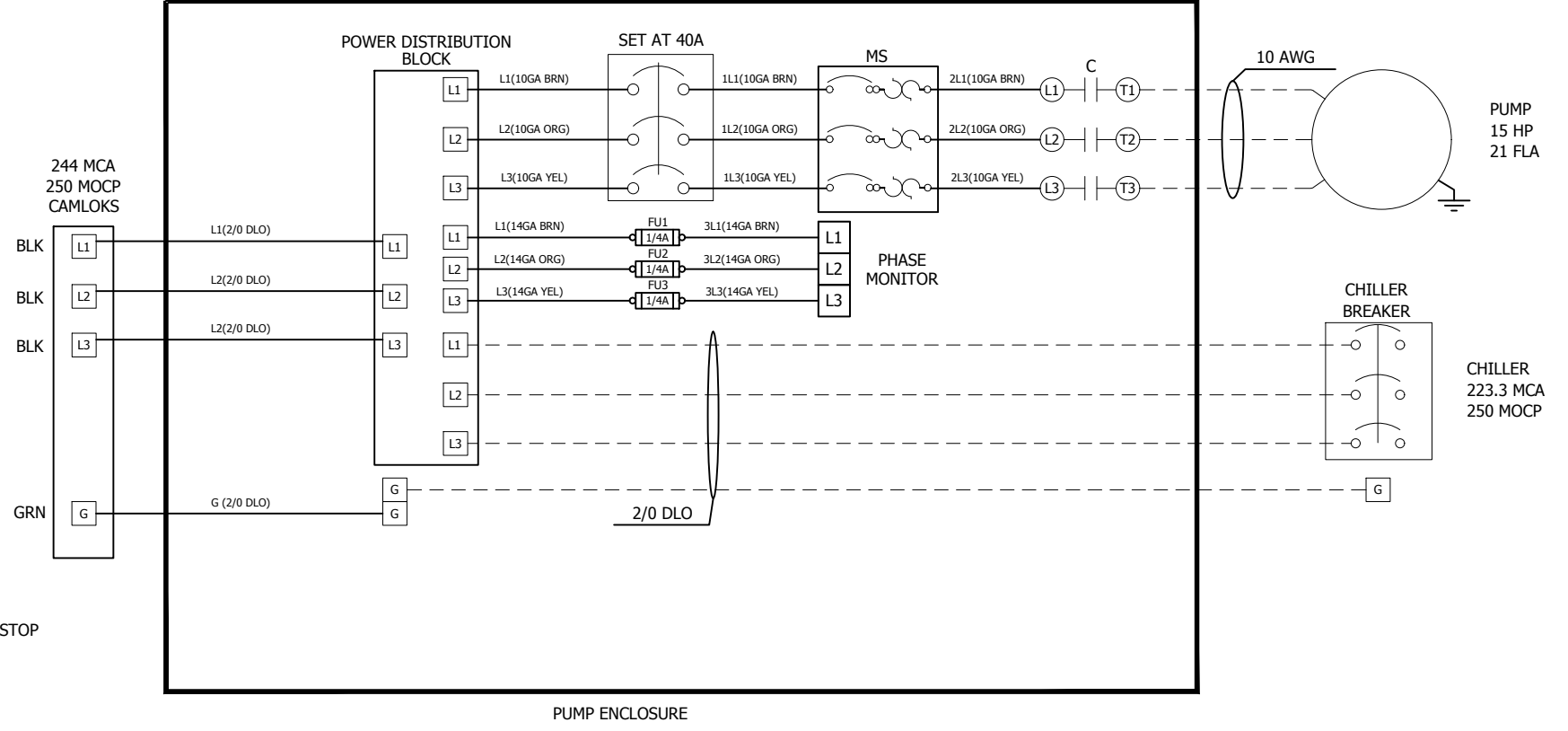
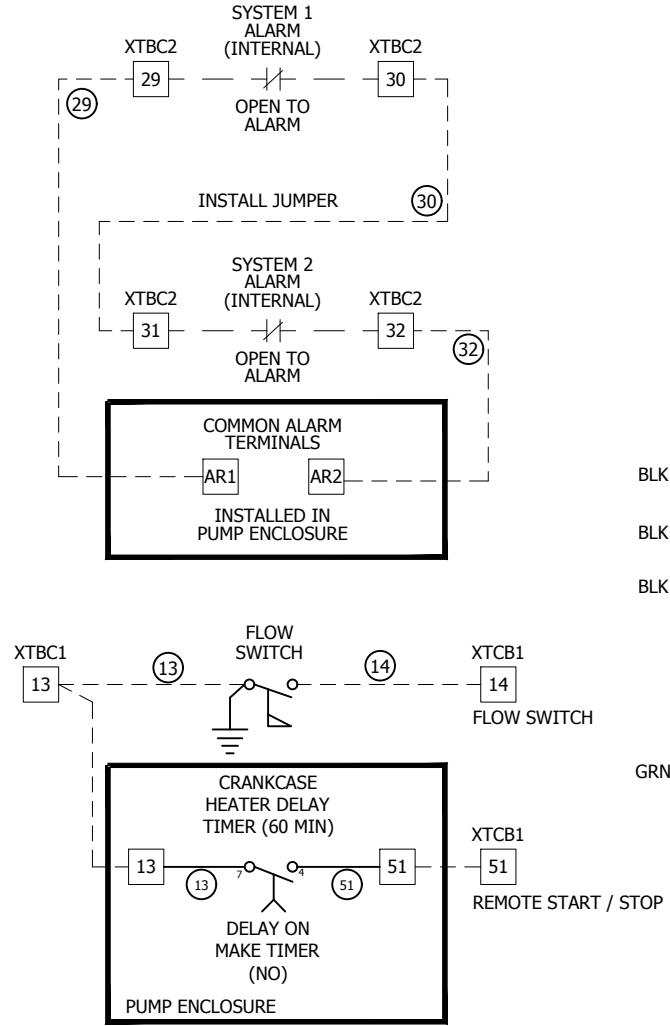


NOTE: REMOVE FACTORY INSTALLED JUMPER BETWEEN L AND 5 IN CHILLER PANEL ON XTBC2 TERMINAL BOARD TO BE USED AS EMERGENCY STOP.



**WIRING NOTES**

208/120VAC	480/277VAC	24VDC
PHASE A - BLACK	PHASE A - BROWN	POSITIVE - RED
PHASE B - RED	PHASE B - ORANGE	NEGATIVE - GRAY
PHASE C - BLUE	PHASE C - YELLOW	
NEUTRAL - WHITE	NEUTRAL - GRAY	24VAC
GROUND - GREEN	GROUND - GREEN	PHASE A - RED
		NEUTRAL - BROWN

INTRINSICALLY SAFE WIRING 18AWG LIGHT BLUE AND MUST BE SEPARATED FROM OTHER WIRING BY MINIMUM OF 2". IF CABLE USED IT MUST BE SHIELDED.

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

**DANGER**  
HIGH VOLTAGE  
TURN OFF POWER  
BEFORE SERVICING

WHITE ON RED, TEXT SIZE 0.2"/0.15"  
LOCATION: RIGHT TOP OF OUTSIDE DOOR

**WARNING:**  
FLOW SWITCH IS FACTORY  
SET AT 2.5 D.P.  
TO ADJUST, TURN  
CLOCKWISE TO INCREASE D.P  
TURN COUNTER CLOCKWISE  
TO DECREASE D.P.

**NOTE:**  
UNIT IS EQUIPPED WITH A  
LOCKOUT TIMER.  
480 VOLT POWER SHOULD BE  
APPLIED ONE (1) HOUR  
BEFORE STARTING CHILLER  
COMPRESSOR OIL HEATERS  
UTILIZE 480 VOLT POWER.

- NOTES:**
- SEE NC-REF001-C001 FOR FIELD WIRING SPECIFICATION.
  - ALL DEVICES SHOWN DE-ENERGIZED.
  - WIRE POINT TO POINT PER WIRE CHART.
  - EACH END OF EACH CONTROL AND POWER WIRE TO BE MARKED WITH HEAT SHRINK MARKERS.
  - USE FERRULES FOR ALL 10GA WIRE AND SMALLER CONNECTIONS.

REV#	DATE	DESIGNER	DESCRIPTION
0	12/09/2017	J.OMALLEY	ISSUED FOR CONSTRUCTION
1	04/13/2018	J.OMALLEY	AS BUILT



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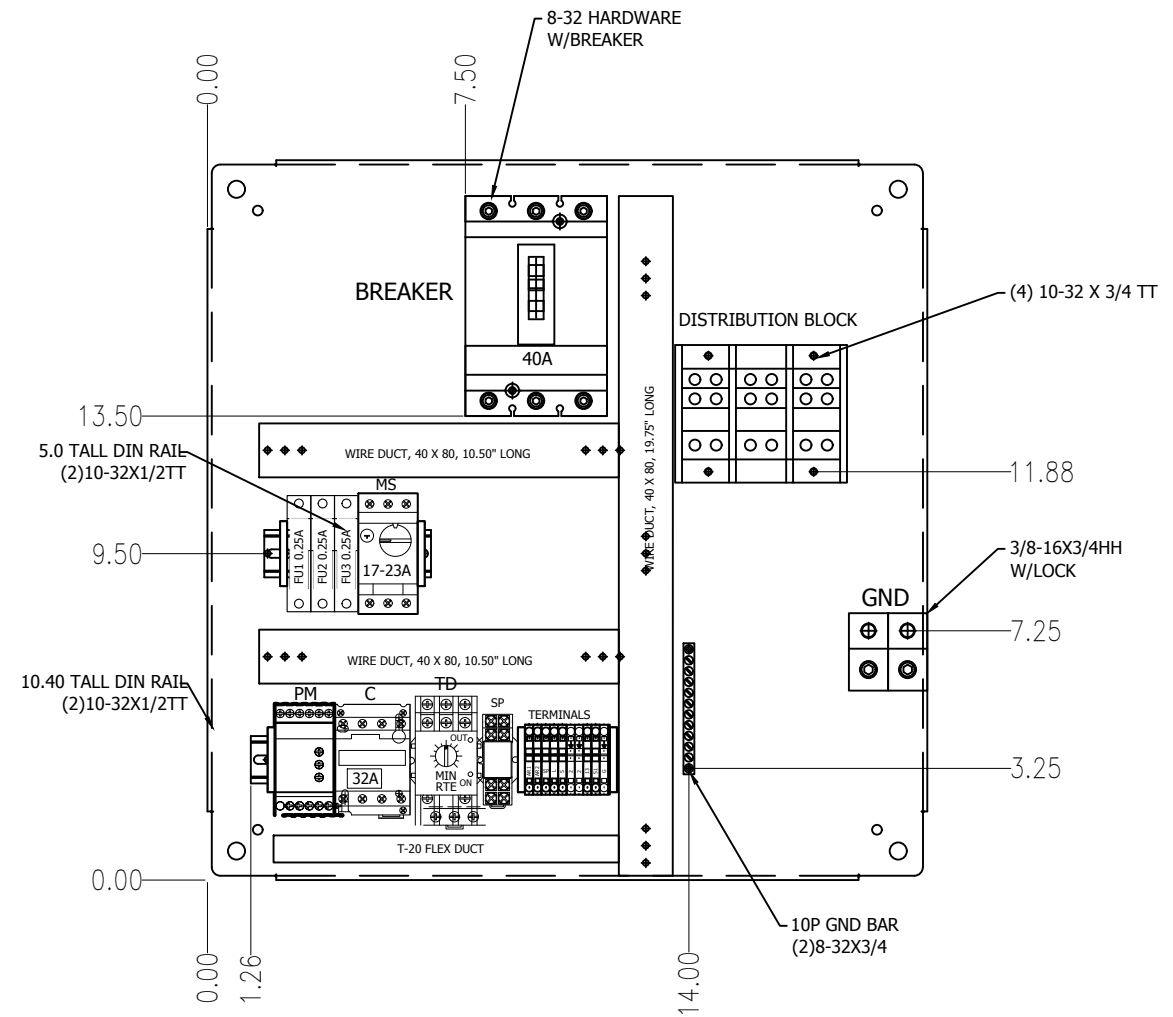
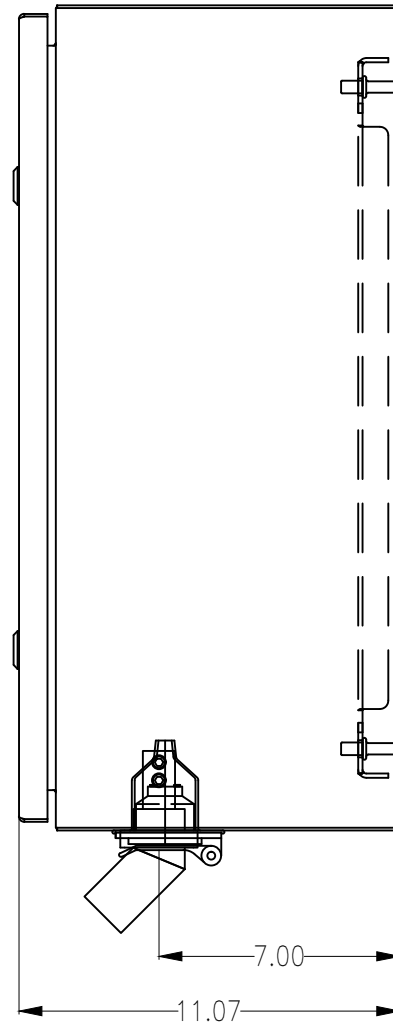
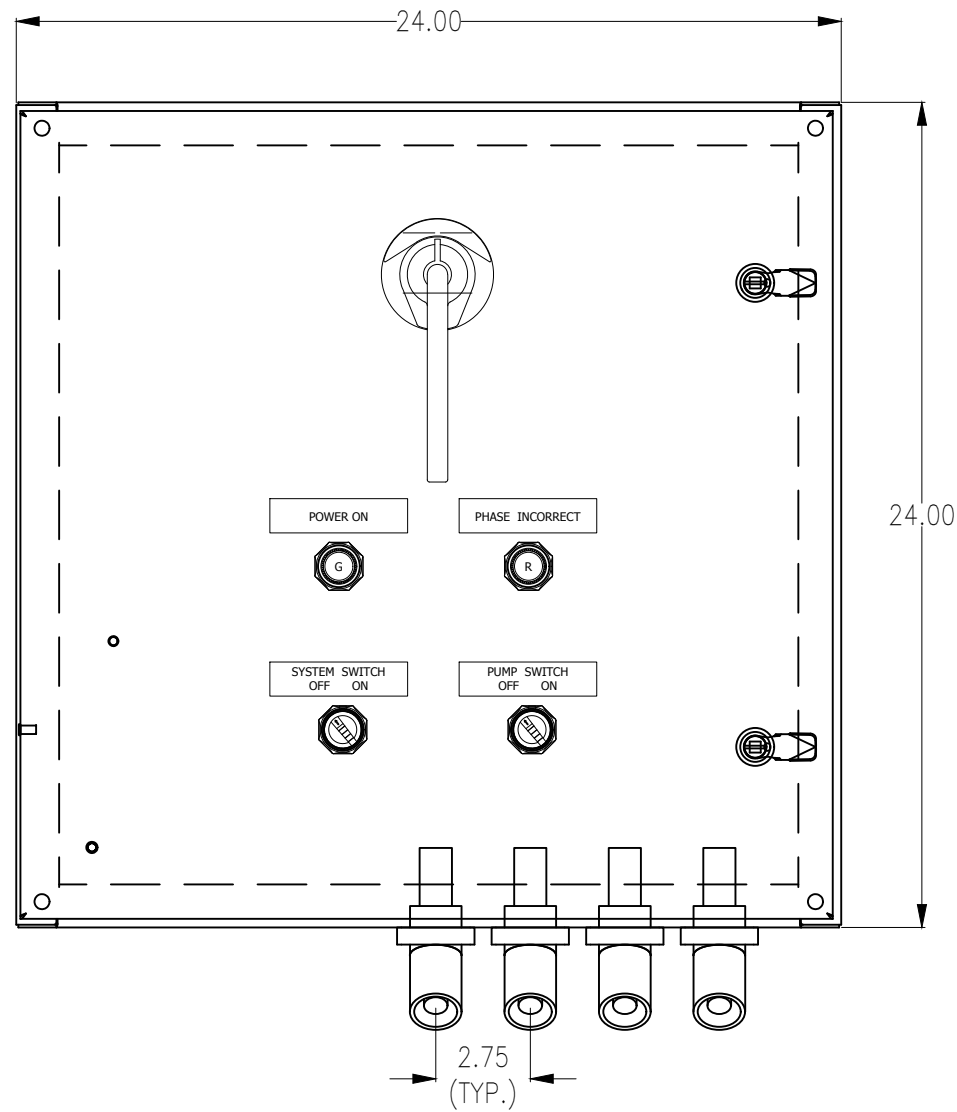
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CHECKER: \_\_\_\_\_ DATE: \_\_\_\_\_  
APPROVER: \_\_\_\_\_ DATE: \_\_\_\_\_

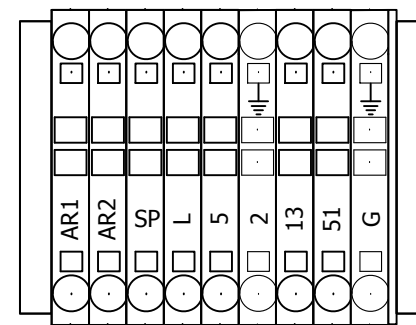
CAPS NO.: 17F-0879  
DRAWING: E1  
DRAWN BY: J.OMALLEY  
DATE: 12/09/2017  
CUST. PO#: \_\_\_\_\_  
SHEET: 1 OF 4  
CHECKED BY: DAVID NGUYEN  
DATE: 12/09/2017  
SIZE: B  
REV: 1  
APPROVED BY: DAVID NGUYEN  
DATE: 04/13/2018

CUSTOMER: HERC EQUIPMENT RENTAL

100 TON SKID MOUNTED & CAGED CHILLER  
GALV. SKID, GALV. CAGE, 4" CONNECTIONS  
300 GPM @ 100 TDH, 460V/3PH/60HZ GP  
ELECTRICAL DESIGN  
WIRING DIAGRAM



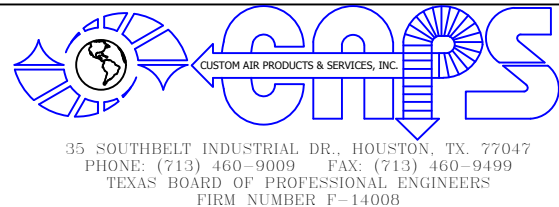
**TB1**



**NOTES:**

1. TERMINAL MARKER FOR TERMINALS MARKED "SP" WILL BE BLANK.
2. EACH DEVICE TO HAVE (2) LABELS. ONE ON DEVICE, ONE ON PANEL BEHIND DEVICE.

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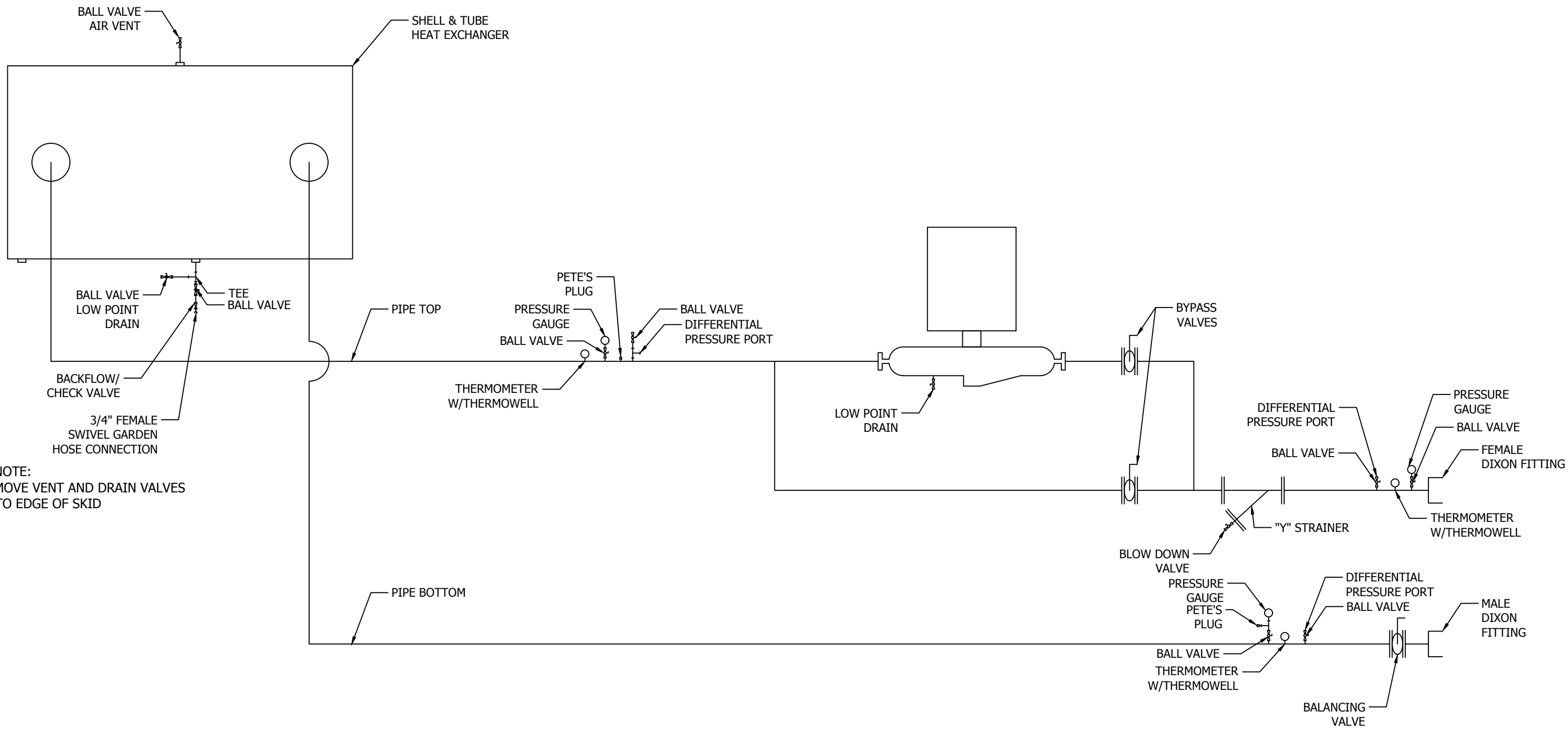
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 APPROVER: \_\_\_\_\_ DATE: \_\_\_\_\_

CAPS NO.: 17F-0879  
 DRAWING: E2  
 DRAWN BY: J.OMALLEY  
 DATE: 12/09/2017  
 CUST. PO#: \_\_\_\_\_  
 SHEET: 2 OF 4  
 CHECKED BY: DAVID NGUYEN  
 DATE: 12/09/2017  
 SIZE: B  
 REV: 1  
 APPROVED BY: DAVID NGUYEN  
 DATE: 04/13/2018

CUSTOMER: **HERC EQUIPMENT RENTAL**  
**100 TON SKID MOUNTED & CAGED CHILLER GALV. SKID, GALV. CAGE, 4" CONNECTIONS 300 GPM @ 100 TDH, 460V/3PH/60HZ GP ELECTRICAL DESIGN ELECTRICAL ENCLOSURE LAYOUT**



NOTE:  
MOVE VENT AND DRAIN VALVES  
TO EDGE OF SKID

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**CERTIFIED AS-BUILT**

CHECKER: \_\_\_\_\_ DATE: \_\_\_\_\_  
APPROVER: \_\_\_\_\_ DATE: \_\_\_\_\_

CAPS NO.: 17F-0879	DRAWING: E3	DRAWN BY: J.OMALLEY	DATE: 12/09/2017
CUST. PO#:	SHEET: 3 OF 4	CHECKED BY: DAVID NGUYEN	DATE: 12/09/2017
SIZE: B	REV: 1	APPROVED BY: DAVID NGUYEN	DATE: 04/13/2018

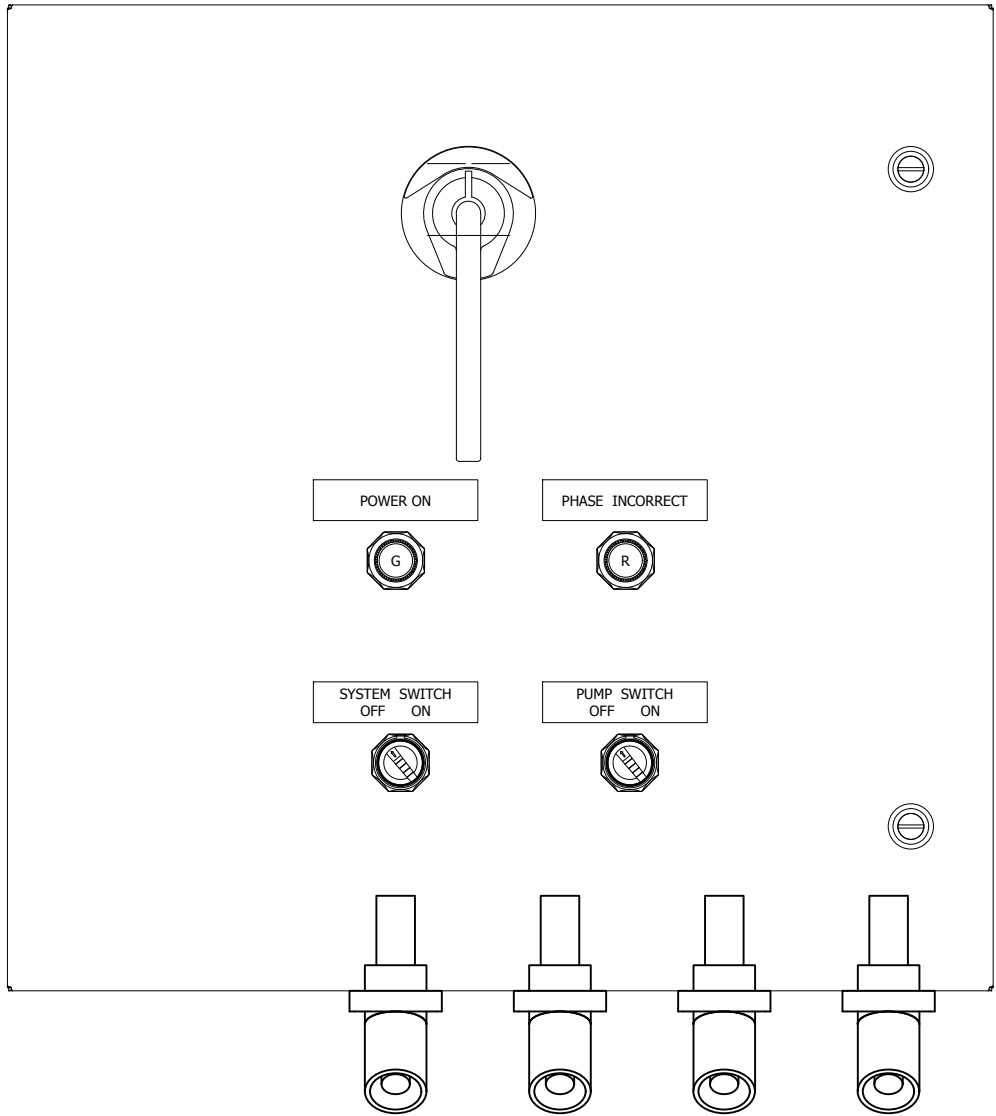
CUSTOMER: **HERC EQUIPMENT RENTAL**

**100 TON SKID MOUNTED & CAGED CHILLER  
GALV. SKID, GALV. CAGE, 4" CONNECTIONS  
300 GPM @ 100 TDH, 460V/3PH/60HZ GP  
ELECTRICAL DESIGN  
P&ID**

## SEQUENCE OF OPERATION

The system is placed into initial operation as follows:

- Turn Master Switch and Pump Switch to "OFF"
- Turn Pump and Chiller Circuit Breakers "ON"
  - If the "Phase Incorrect" light is on, turn off the circuit breakers; 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 "Main Power On" light is on and the "Phase Incorrect" light is off, turn Master Switch to "ON": Chiller will be ready for Crankcase Heater pre-heat and can be operated after 60 minute time delay
- Turn Pump Switch to "ON"
- Turn Chiller Switch to "ON" then set chilled leaving water setpoint
- To shut down Chiller and Pump:
  - 1- Raise setpoint to 70F
  - 2- Turn off Chiller Switch
  - 3- Turn off Pump Switch
  - 4- Turn off Master Switch



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<b>CERTIFIED AS-BUILT</b>	
CHECKER: _____	DATE: _____
APPROVER: _____	DATE: _____

CAPS NO.: 17F-0879	DRAWING: E4	DRAWN BY: J.OMALLEY	DATE: 12/09/2017
CUST. PO#:	SHEET: 4 OF 4	CHECKED BY: DAVID NGUYEN	DATE: 12/09/2017
SIZE: B	REV: 1	APPROVED BY: DAVID NGUYEN	DATE: 04/13/2018

CUSTOMER:	HERC EQUIPMENT RENTAL
	100 TON SKID MOUNTED & CAGED CHILLER GALV. SKID, GALV. CAGE, 4" CONNECTIONS 300 GPM @ 100 TDH, 460V/3PH/60HZ GP ELECTRICAL DESIGN SEQUENCE OF OPERATIONS