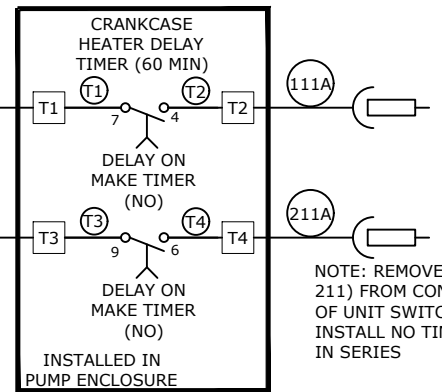
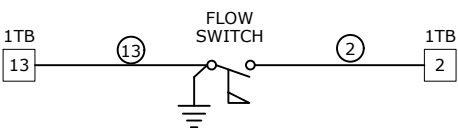
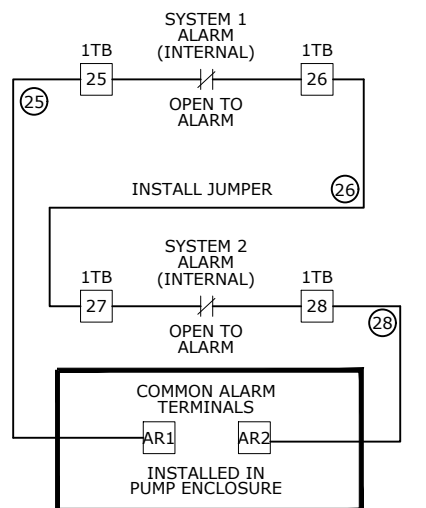
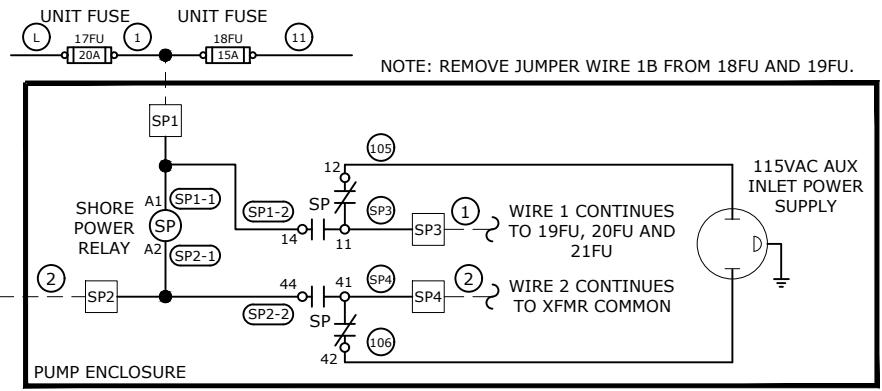
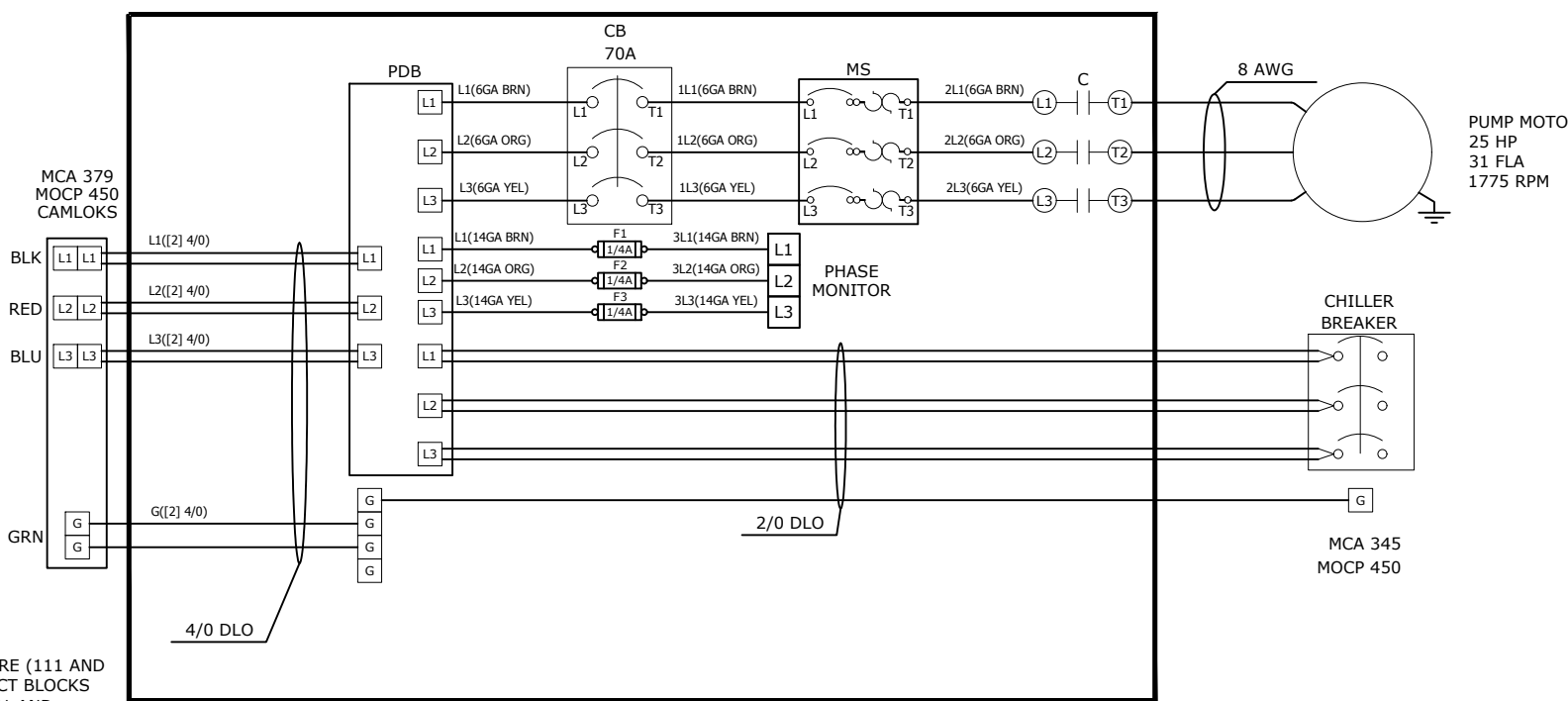


NOTE: ADD JUMPER FROM TERMINAL 15 AND 16 ON 1TB TERMINAL BOARD ON CHILLER.



NOTE: REMOVE WIRE (111 AND 211) FROM CONTACT BLOCKS OF UNIT SWITCH S1 AND INSTALL NO TIMER CONTACTS IN SERIES



NOTE: REMOVE JUMPER WIRE 1B FROM 18FU AND 19FU.

DANGER
HIGH VOLTAGE
TURN OFF POWER
BEFORE SERVICING

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

CAUTION
RISK OF ELECTRIC SHOCK
MORE THAN ONE DISCONNECT
SWITCH MAY BE REQUIRED TO
DE-ENERGIZE THE EQUIPMENT
BEFORE SERVICING.

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

USE COPPER
CONDUCTOR ONLY.
60C (140F)
3.5-5.5 LBS. IN.
TORQUE

BLACK ON WHITE, TEXT SIZE 0.15"
LOCATION: BACK PANEL ON FIELD SIDE OF TERMINAL BLOCK STRIP

USE COPPER
CONDUCTOR ONLY.
60C (140F)
INCOMING LUG 375
LBS. IN. TORQUE

BLACK ON WHITE, TEXT SIZE 0.15"
LOCATION: BACK PANEL ON FIELD SIDE OF TERMINAL BLOCK STRIP

ENCLOSURE RATING:	TYPE 1
MAX VOLTAGE:	480VAC
PHASE:	3
FREQUENCY:	60Hz
SHORT CIRCUIT CURRENT:	5KAIC
RMS SYMMETRICAL:	480VAC
LARGEST MOTOR FLA:	34
TOTAL PANEL FLA:	30A
MFG DATE:	XX/XX/XX

LOCATION: EXTERIOR DOOR INSIDE WALL

WIRING NOTES

208/120VAC	480/277VAC	24VDC
PHASE A - BLACK	PHASE A - BROWN	POSITIVE - DARK BLUE
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

- 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.

REV#	DATE	DESIGNER	DESCRIPTION
0	12/09/2017	J.OMALLEY	ISSUED FOR CONSTRUCTION
1	05/04/2018	JOMALLEY	AS BUILT

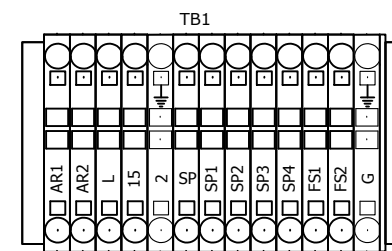
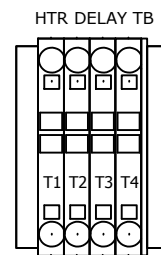
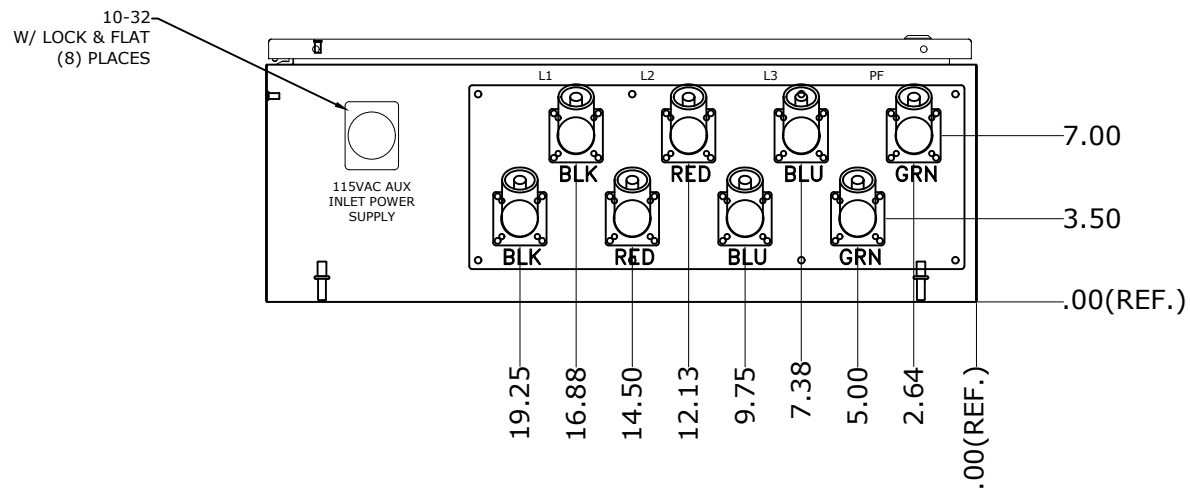
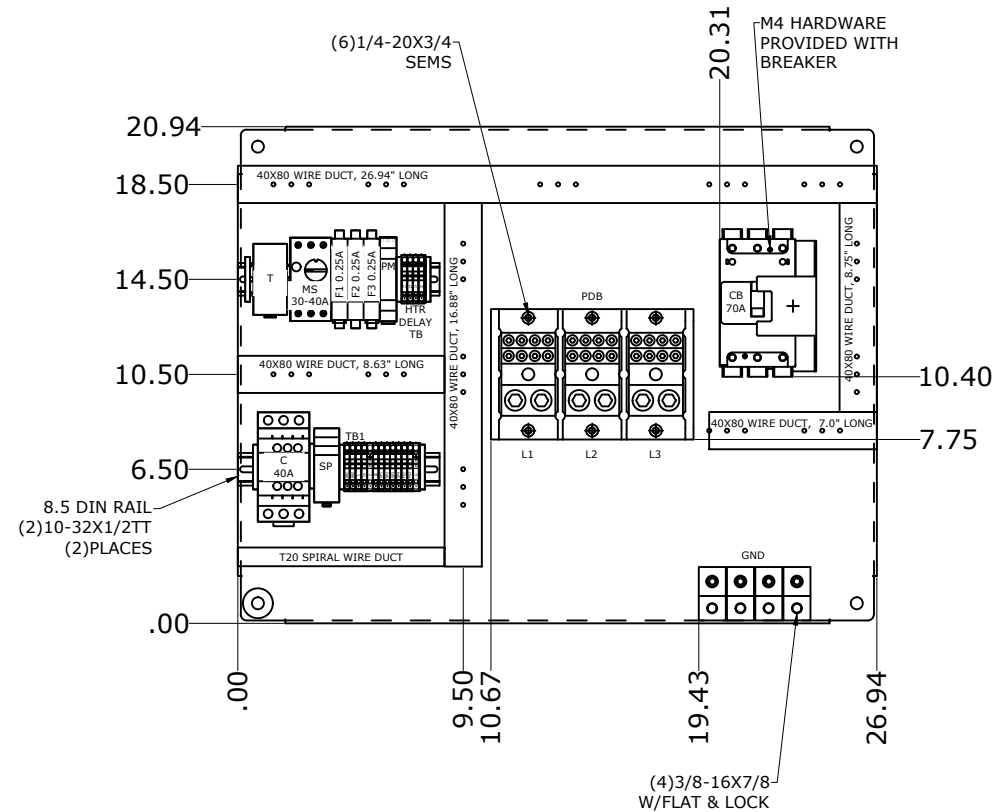
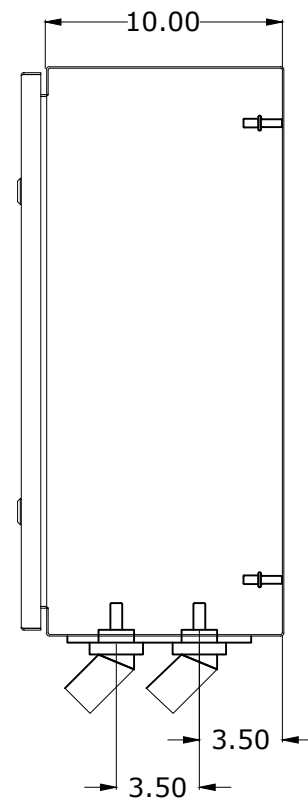
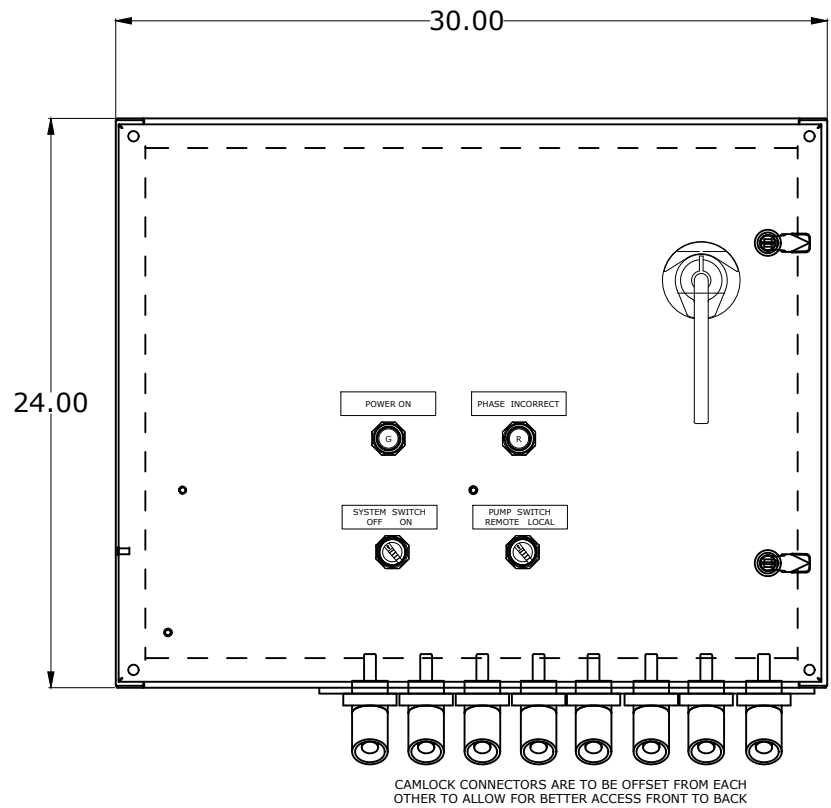


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CERTIFIED AS-BUILT			
CHECKER:	DATE:	CAPS NO.:	DRAWING:
APPROVER:	DATE:	17F-0878	E1
		CUST. PO#:	DRAWN BY:
			J.OMALLEY
		SIZE:	DATE:
		B	12/09/2017
		REV:	CHECKED BY:
		1	DAVID NGUYEN
			DATE:
			05/04/2018
			APPROVED BY:
			LARRY NOVAK
			DATE:
			05/04/2018

CUSTOMER: **HERC EQUIPMENT RENTAL**

200 TON SKID MOUNTED & CAGED CHILLER GALV. SKID, GALV. CAGE, 4" CONNECTIONS 600 GPM @ 100 TDH, 460V/3PH/60HZ GP ELECTRICAL DESIGN POWER & CONTROL SCHEMATIC



NOTES:

- EACH DEVICE TO HAVE (2) LABELS. ONE ON DEVICE, ONE ON PANEL BEHIND DEVICE.

REV#	DATE	DESIGNER	DESCRIPTION
0	12/09/2017	J.OMALLEY	ISSUED FOR CONSTRUCTION
1	05/04/2018	J.OMALLEY	AS BUILT



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

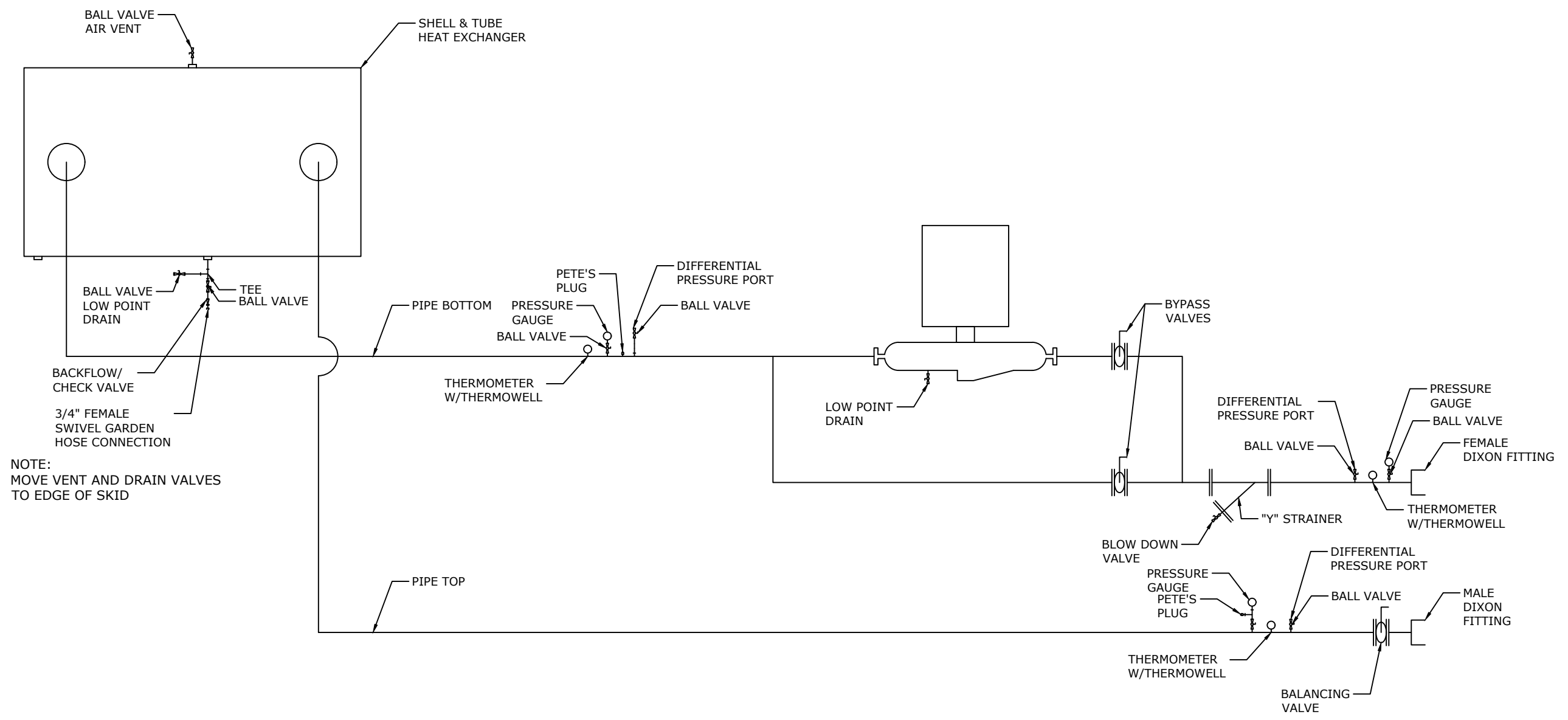
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CERTIFIED AS-BUILT

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

CAPS NO.: 17F-0878	DRAWING: E2	DRAWN BY: J.OMALLEY	DATE: 12/09/2017
CUST. PO#:	SHEET: 2 OF 4	CHECKED BY: DAVID NGUYEN	DATE: 05/04/2018
SIZE: B	REV: 1	APPROVED BY: LARRY NOVAK	DATE: 05/04/2018

CUSTOMER:	HERC EQUIPMENT RENTAL
	200 TON SKID MOUNTED & CAGED CHILLER GALV. SKID, GALV. CAGE, 4" CONNECTIONS 600 GPM @ 100 TDH, 460V/3PH/60HZ GP ELECTRICAL DESIGN POWER & CONTROL SCHEMATIC



NOTE:
MOVE VENT AND DRAIN VALVES
TO EDGE OF SKID

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CERTIFIED AS-BUILT

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

CAPS NO.: 17F-0878	DRAWING: E3	DRAWN BY: J.OMALLEY	DATE: 12/09/2017
CUST. PO#:	SHEET: 3 OF 4	CHECKED BY: DAVID NGUYEN	DATE: 05/04/2018
SIZE: B	REV: 1	APPROVED BY: LARRY NOVAK	DATE: 05/04/2018

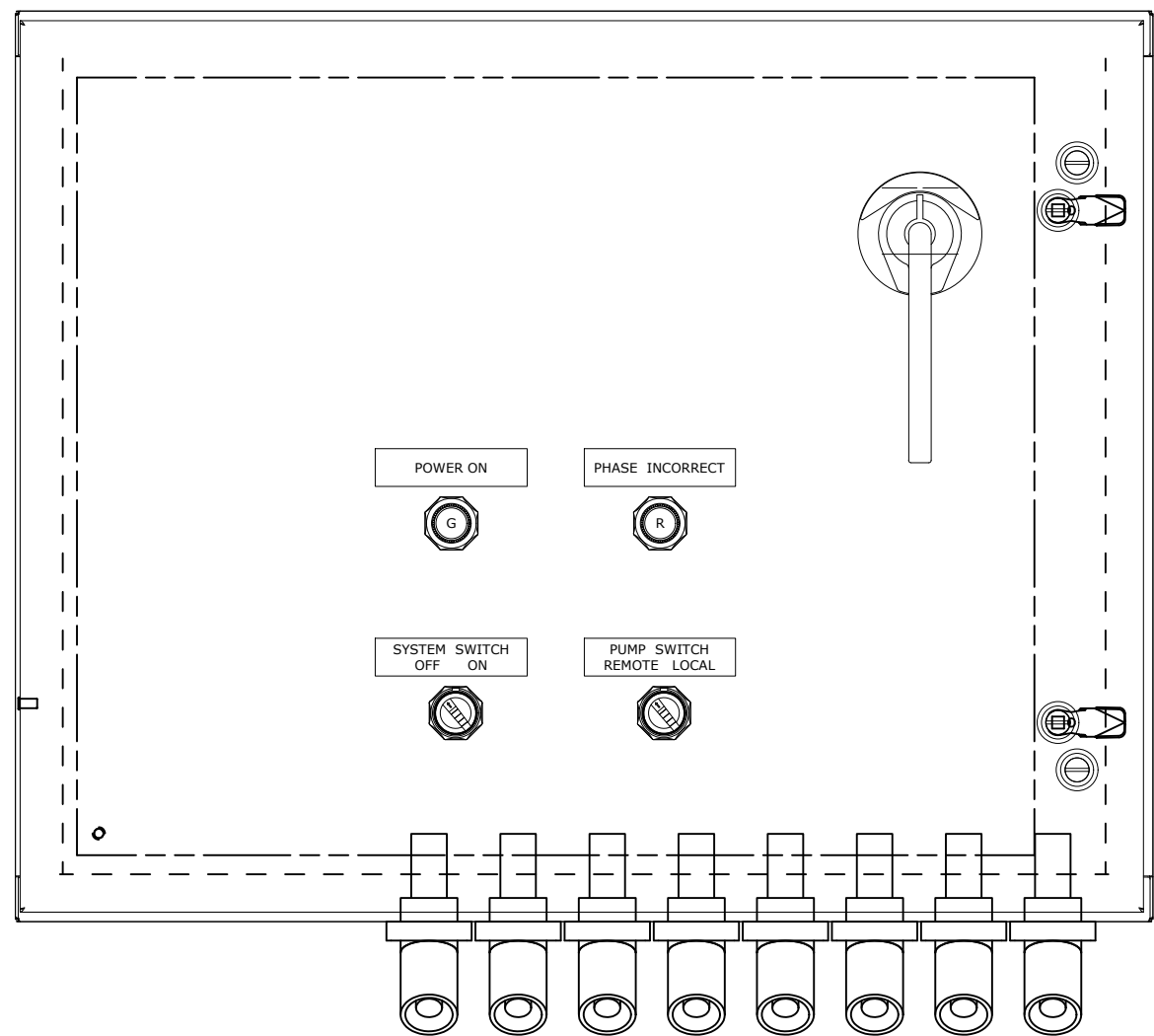
CUSTOMER: **HERC EQUIPMENT RENTAL**

**200 TON SKID MOUNTED & CAGED CHILLER
GALV. SKID, GALV. CAGE, 4" CONNECTIONS
600 GPM @ 100 TDH, 460V/3PH/60HZ GP
ELECTRICAL DESIGN
POWER & CONTROL SCHEMATIC**

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



CAMLOCK CONNECTORS ARE TO BE OFFSET FROM EACH OTHER TO ALLOW FOR BETTER ACCESS FRONT TO BACK

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

CAPS NO.:	DRAWING:	DRAWN BY:	DATE:
17F-0878	E4	J.OMALLEY	12/09/2017
CUST. PO#:	SHEET:	CHECKED BY:	DATE:
	4 OF 4	DAVID NGUYEN	05/04/2018
SIZE:	REV:	APPROVED BY:	DATE:
B	1	LARRY NOVAK	05/04/2018

CUSTOMER: **HERC EQUIPMENT RENTAL**

200 TON SKID MOUNTED & CAGED CHILLER GALV. SKID, GALV. CAGE, 4" CONNECTIONS 600 GPM @ 100 TDH, 460V/3PH/60HZ GP ELECTRICAL DESIGN POWER & CONTROL SCHEMATIC