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Safety is our first priority.
Think Safety. Act Safely.

No.	Revision	Date



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Auburn University Building
Ham Wilson Arena Renovations
Project Number 19-451

SHEET TITLE:
HVAC VARIABLE REFRIGERANT FLOW DIAGRAM

DRAWN BY:
JH
CHECKED BY:
RDW
DATE:
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M2.4
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LEGEND	
DISPLAY	DESCRIPTION
---	POWER WIRE
---	CONTROL WIRE
---	REF. PIPE

- ### VRF REFRIGERANT PIPING NOTES
- ADDITIONAL REFRIGERANT CHARGE IS NEEDED DEPENDING ON THE SIZE AND LENGTH OF EXTENDED PIPING. COORDINATE WITH EQUIPMENT MANUFACTURER.
 - REFRIGERANT LINE SIZES ARE FOR REFERENCE ONLY. CONTRACTOR'S VENDOR SHALL PROVIDE REFRIGERANT LINE FINAL SIZES, LENGTHS, ETC. PER MANUFACTURER'S RECOMMENDATION. SUBMITTAL DRAWINGS SHALL INCLUDE CONTROLS, LINE SIZES, ETC. CONTRACTOR SHALL COORDINATE SIZES SHOWN ON PLANS WITH ACTUAL EQUIPMENT QUOTED PRIOR TO BIDDING.
 - FURNISH AND INSTALL FACTORY PRE-INSULATED REFRIGERANT LINE SETS.
 - FURNISH AND INSTALL FACTORY BALL VALVES ON ALL PORTS OF BRANCH CONTROLLER.
 - REFRIGERANT PIPING SHALL BE LABELED TO MATCH ASSOCIATED INDOOR AND OUTDOOR UNIT.
 - ALL EXPOSED INTERIOR REFRIGERANT PIPING SHALL BE ROUTED IN SCHEDULE 40 PVC. PRIME AND PAINT TO MATCH ADJACENT SURFACES. VERIFY PAINT COLOR WITH ARCHITECT.
 - USE INSULATED REFRIGERANT PIPING CLAMPS WHERE REFRIGERANT PIPING IS INSULATED.

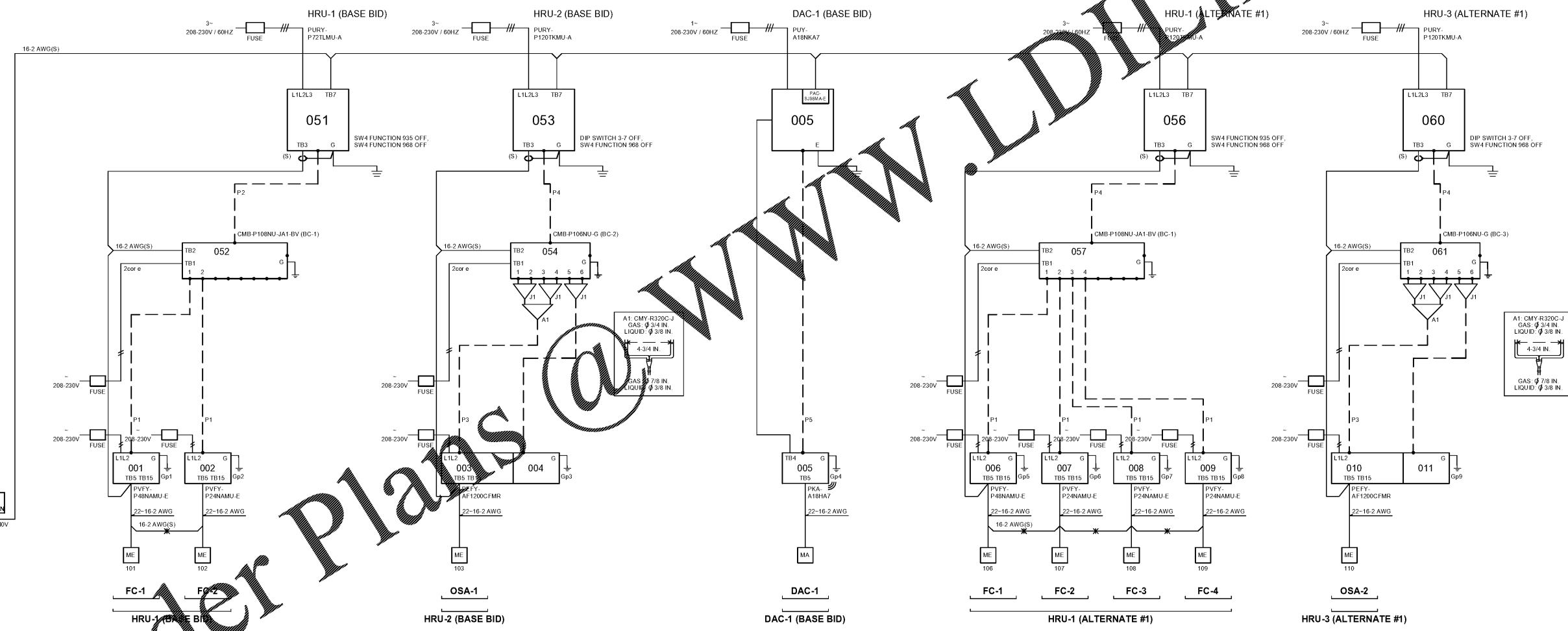
PIPING AND CONTROLS LIST

SYMBOL	BRANCH PIPE	MODEL NAME
J1	CMY-R180C-J	

SYMBOL	LIQUID PIPE/GAS PIPE SIZE
P1	3/8 / 5/8
P2	/ 5/8 / 3/4
P3	3/8 / 7/8
P4	/ 3/4 / 1-1/8
P5	1/4 / 1/2

SYMBOL	MODEL NUMBER
ME	PAR-U01MEDU-K
MA	PAR-40MAU

NOTES: * IF THE THERMOSTAT WIRING GREATER THAN 32' THEN USE 16-2 AWG ONLY.



HVAC VARIABLE REFRIGERANT FLOW DIAGRAM FOR HRU-1 / HRU-2 / DAC-1 (BASE BID) AND HRU-1 / HRU-3 (ALTERNATE #1)

NOT TO SCALE

HVAC VARIABLE REFRIGERANT FLOW DIAGRAM

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WHORTON ENGINEERING PROJECT NO. 19212