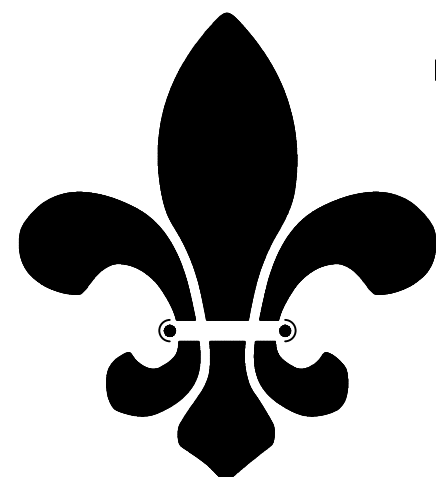




UL

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AT LAFAYETTE

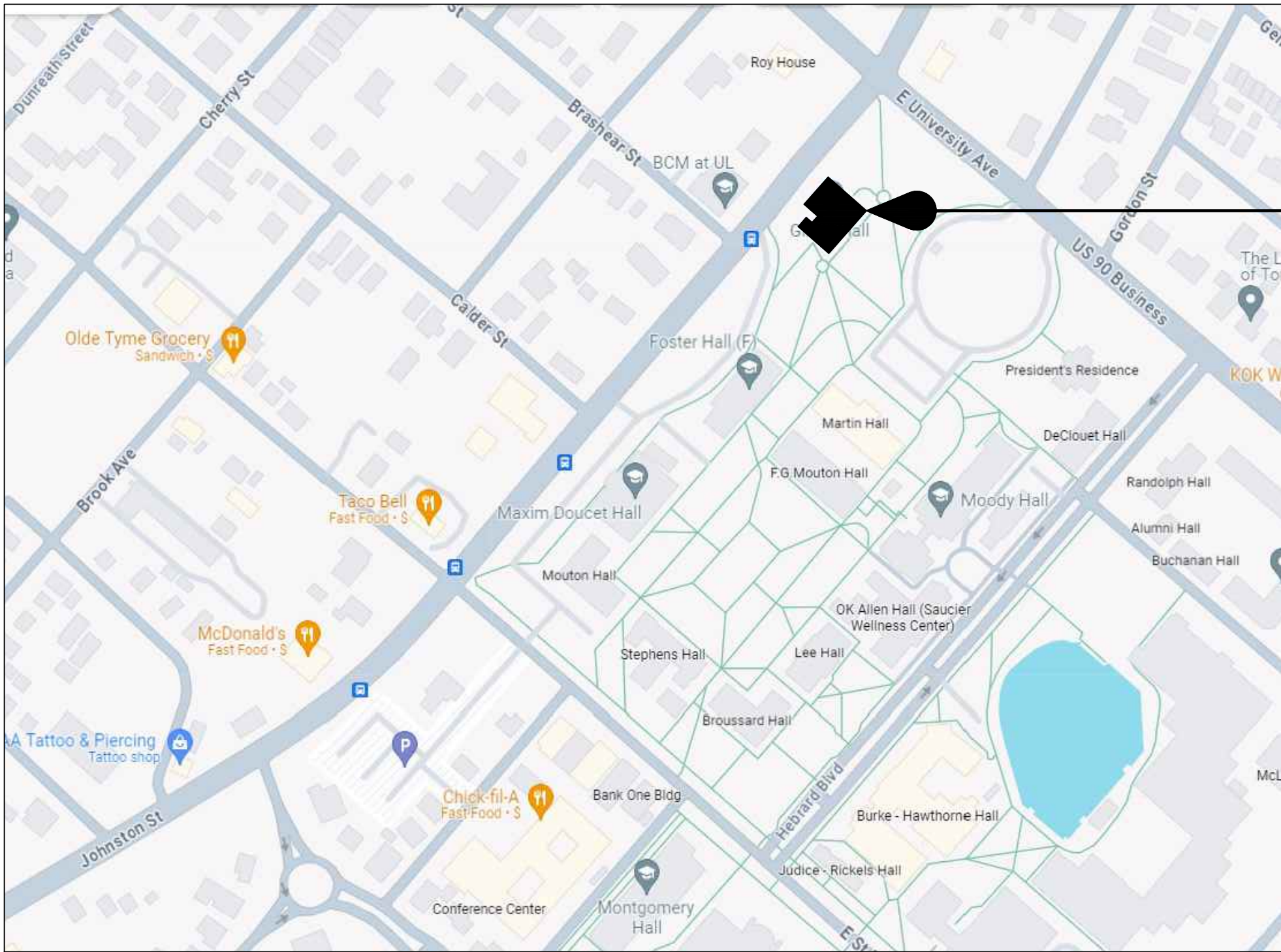
GIRARD HALL

HVAC MODIFICATIONS

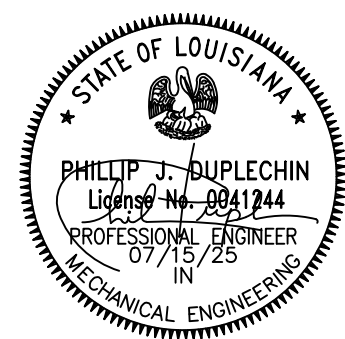
(SYSTEMS 1 AND 2)

GENERAL NOTES:

- A. EXISTING EQUIPMENT LAYOUT IS BASED ON ORIGINAL DESIGNER AS-BUILT DRAWINGS. CONTRACTOR SHALL VERIFY EXACT LOCATIONS AS REQUIRED TO ACCOMMODATE EXISTING CONDITIONS.
- B. EXISTING WALLS AROUND CLASSROOMS, OFFICES, ETC. HAVE BEEN EXTENDED TO DECK. CONTRACTOR SHALL PATCH OPENINGS WHERE LINES, ETC. ARE REMOVED. CONTRACTOR SHALL PATCH OPENINGS WHERE PENETRATIONS ARE MADE TO ACCOMMODATE NEW EQUIPMENT INSTALLATION.
- C. ALL WALLS AROUND CORRIDORS AND RESTROOMS ARE SMOKE RESISTIVE PARTITIONS. CONTRACTOR SHALL PROPERLY SEAL AROUND ANY PENETRATIONS WITH FIRE RATED SEALANT TO MAINTAIN WALL RATING.
- D. PROPERLY SEAL AROUND ANY PENETRATIONS WITH FIRE RATED SEALANT TO MAINTAIN WALL RATING.
- E. ALL FLOOR PENETRATIONS SHALL BE SEALED WITH FIRE RATED SEALANT.
- F. REPAIR/REPLACE ALL CEILING GRID AND REPLACE ALL CEILING TILES AS REQUIRED TO ACCOMMODATE REMOVAL AND/OR REPLACEMENT OF EXISTING AND/OR NEW EQUIPMENT.
- G. REPAIR/REPLACE ALL INSULATION ON CONDENSATE DRAIN PIPING AS REQUIRED TO ACCOMMODATE REMOVAL AND/OR REPLACEMENT OF EXISTING AND/OR NEW EQUIPMENT.



GIRARD HALL
110 E. UNIVERSITY AVE.
LAFAYETTE, LA. 70503



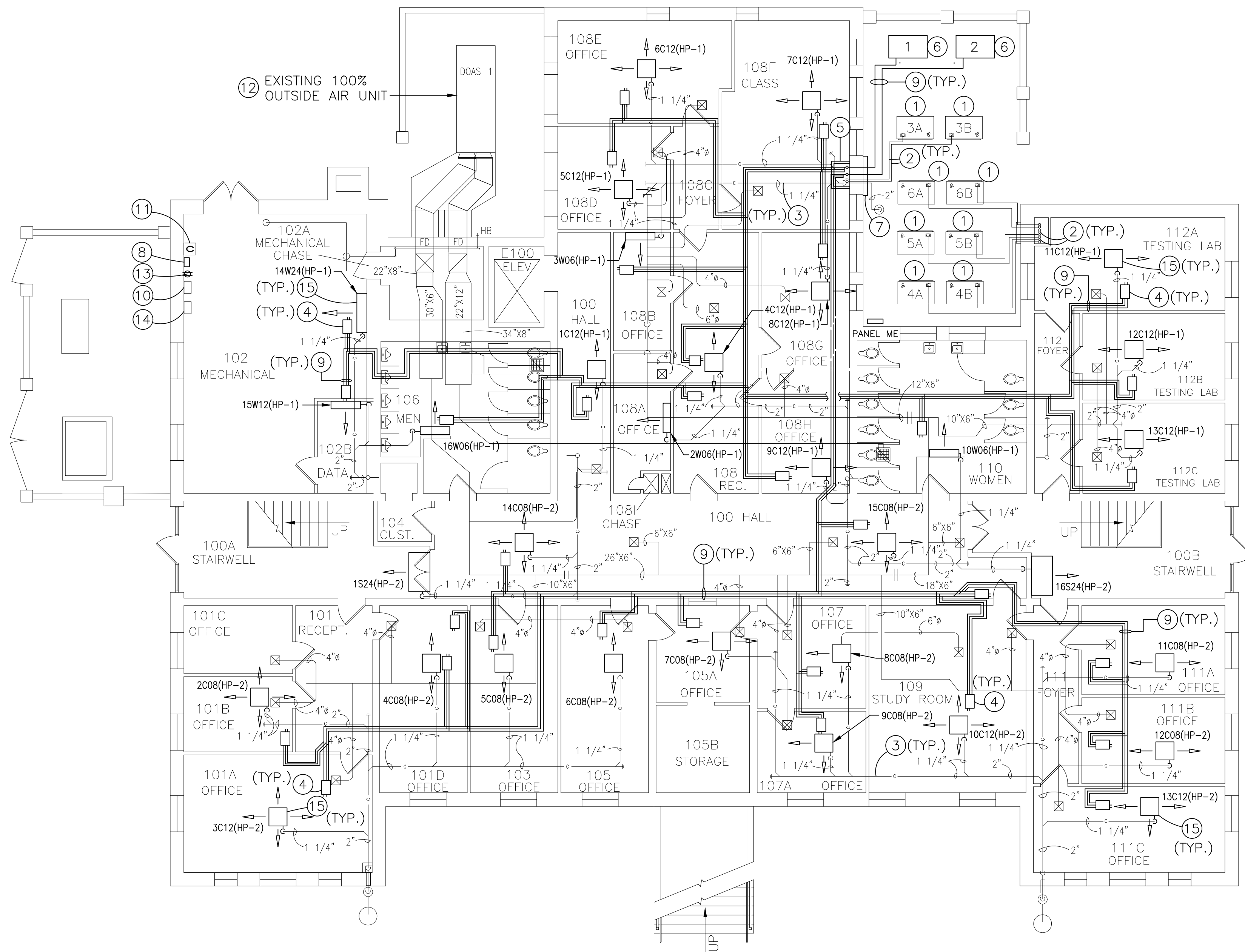
JULY 2025

DEMOLITION NOTES:

- ① - EXISTING MITSUBISHI OUTDOOR CONDENSING UNIT EQUIPMENT TO REMAIN (TYPICAL ALL UNITS ASSOCIATED WITH SYSTEMS 3, 4, 5, AND 6.)
- ② - EXISTING MITSUBISHI REFRIGERANT PIPING TO REMAIN (TYPICAL FOR ALL PIPING ASSOCIATED WITH SYSTEMS 3, 4, 5, AND 6.)
- ③ - EXISTING CONDENSATE DRAIN PIPING TO REMAIN. MODIFY AS REQUIRED TO ACCOMMODATE NEW UNIT LOCATION. (TYPICAL ALL UNITS ASSOCIATED WITH SYSTEMS 1 AND 2.)
- ④ - REMOVE EXISTING DAIKIN REFRIGERANT SYSTEM BRANCH SELECTOR (BS) INCLUDING ALL SUPPORTS, AND INSULATION. (TYPICAL ALL UNITS ASSOCIATED WITH SYSTEMS 1 AND 2 - TOTAL OF 32.)
- ⑤ - EXISTING CHASE WALLS TO BE REMOVED AND REPLACED TO ACCOMMODATE REMOVAL AND REPLACEMENT OF REFRIGERANT PIPING. REPAIR CHASE WALLS TO MATCH EXISTING. (TYPICAL ALL UNITS ASSOCIATED WITH SYSTEMS 1 AND 2.)
- ⑥ - REMOVE EXISTING OUTDOOR HEAT PUMP UNIT(S) AND ALL ASSOCIATED REFRIGERANT PIPING, INSULATION, POWER & CONTROL WIRING, ETC. (TYPICAL UNITS ASSOCIATED WITH SYSTEMS 1 AND 2). INSTALL NEW WIRE FROM PANEL "ME" TO NEW UNIT.

- ⑦ - REMOVE EXISTING WEATHER HOOD WALL COVERING. REMOVE AND REPLACE AS REQUIRED TO ACCOMMODATE REFRIGERANT LINE MODIFICATIONS.
- ⑧ - REMOVE EXISTING DAIKIN CONTROL INCLUDING ALL ASSOCIATED CONTROL WIRING.
- ⑨ - REMOVE ALL EXISTING REFRIGERANT PIPING, INSULATION, SUPPORTS, ETC. (TYPICAL FOR ALL UNITS ASSOCIATED WITH SYSTEMS 1 AND 2 - TOTAL OF 32 UNITS.)
- ⑩ - EXISTING MITSUBISHI CONTROL PANEL TO REMAIN. MODIFY WIRING, PROGRAMMING, ETC. TO ACCOMMODATE REMOVAL OF EXISTING EQUIPMENT.
- ⑪ - EXISTING COMMUNICATION DATA JACK TO REMAIN. MODIFY AS REQUIRED TO ACCOMMODATE NEW SYSTEM.
- ⑫ - EXISTING 100% OUTSIDE AIR UNIT TO REMAIN.
- ⑬ - EXISTING OUTLET TO REMAIN.
- ⑭ - EXISTING EXPANSION MODULES TO REMAIN.

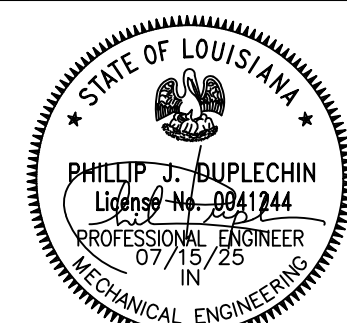
- ⑮ - REMOVE EXISTING INDOOR VARIABLE REFRIGERANT FLOW (VRF) CASSETTE IN IT'S ENTIRETY INCLUDING ASSOCIATED PIPING. EXISTING ELECTRICAL POWER SWITCH TO REMAIN. RE-USE FOR CONNECTION OF NEW EQUIPMENT. (TYPICAL ALL UNITS ASSOCIATED WITH SYSTEMS 1 AND 2 - TOTAL 32).



FIRST FLOOR PLAN—
DEMOLITION

GIRARD HALL
HVAC MODIFICATIONS (SYSTEM 1 AND 2)

UL FACILITY MANAGEMENT
THE UNIVERSITY OF LOUISIANA AT LAFAYETTE
P.O. BOX 42310
LAFAYETTE, LOUISIANA 70504



PROJECT NO:	SHEET:
DATE: JULY 2025	D1
SCALE:	

MECHANICAL NOTES:

- 1

EXISTING MITSUBISHI EQUIPMENT TO REMAIN. (TYPICAL)
- 2

EXISTING MITSUBISHI REFRIGERANT PIPING TO REMAIN. (TYPICAL)
- 3

EXISTING CONDENSATE DRAIN PIPING TO REMAIN. MODIFY AS REQUIRED TO ACCOMMODATE NEW INDOOR UNIT INSTALLATION. (TYPICAL ALL UNITS ASSOCIATED WITH SYSTEMS 1 AND 2.)
- 4

EXISTING COMMUNICATION DATA JACK TO REMAIN. (TYPICAL)
- 5

EXISTING CHASE WALLS TO BE REMOVED AND REPLACED TO ACCOMMODATE REMOVAL AND REPLACEMENT OF REFRIGERANT PIPING. REPAIR CHASE WALLS TO MATCH EXISTING. (TYPICAL FLOOR 1, 2, AND 3.)
- 6

ROUTING FOR NEW REFRIGERANT PIPING. RISE UP IN CHASE TO ABOVE 1ST FLOOR CEILING. EXTEND PIPING TO RESPECTIVE BC CONTROLLER.
- 7

NEW BRANCH CONTROLLER (BC) LOCATED ABOVE CEILING. SUPPORT FROM STRUCTURE ABOVE WITH UNI-STRUT SUPPORTS. PROVIDE AND INSTALL NEW MOTOR RATED SWITCH.
- 8

EXISTING 100% OUTSIDE AIR DUCTWORK AND GRILLES ABOVE CEILING TO REMAIN. (TYPICAL ALL OF 1ST FLOOR)
- 9

INSTALL NEW VARIABLE REFRIGERANT FLOW (VRF) CASSETTE AT SAME GENERAL LOCATIONS AS EXISTING DAIKIN UNIT. MODIFY EXISTING SUPPORTS AND PROVIDE NEW REFRIGERANT PIPING AS NOTED. COORDINATE EXACT LOCATION IN FIELD. (TYPICAL ALL UNITS 1ST FLOOR – TOTAL OF 32).
- 10

MODIFY EXISTING CONDENSATE PIPING AS REQUIRED TO ACCOMMODATE NEW MITSUBISHI FAN UNIT. (TYPICAL ALL UNITS 1ST FLOOR – TOTAL 32).
- 11

PROVIDE NEW THERMOSTAT CONTROLLER MOUNTED ON WALL. CONTRACTOR SHALL PROVIDE WIRE MOLDING AT ALL EXPOSED LOCATIONS TO 6 INCHES ABOVE CEILING LEVEL AND TERMINATE AT EQUIPMENT. ALL VRF CASSETTES IN ROOMS SHALL BE CONTROLLED FROM SINGLE THERMOSTAT UNLESS OTHERWISE INDICATED. EQUIPMENTS SHALL BE CONTROLLED FROM THERMOSTAT TO TURN FAN ON/OFF. NO CONTINUOUS FAN OPERATION. SENSOR SHALL BE MITSUBISHI MODEL PAC-USSEN002-FM-1.
- 12

PROVIDE 1 INCH DRAIN FOR (BC) DRAIN PAN. CONNECT TO EXISTING DRAIN PIPING IN VICINITY. (VERIFY IN FIELD)
- 13

NEW OUTDOOR VARIABLE REFRIGERANT FLOW (VRF) CONDENSING UNIT. REFER TO DETAILS FOR MOUNTING.

CONTROLS SCOPE:

- MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING DAIKIN CONTROL WIRING AND ASSOCIATED CONTROLLER COMPONENTS LOCATED IN MECHANICAL ROOM.
- MECHANICAL CONTRACTOR SHALL CONTACT CONTROLS CONTRACTOR FOR SCOPE TO INTEGRATE NEW MITSUBISHI SYSTEM FOR 1 AND 2 AND SHALL BE INCLUDED IN PRICE. CONTACT DARRELL BOUDREAU, SELECT BUILDING CONTROLS (A W-INDUSTRIES COMPANY), (337) 526-2018, EMAIL: DARRELL BOUDREAU@W-INDUSTRIES.COM FOR PRICING.
- MECHANICAL CONTRACTOR SHALL COORDINATE INTEGRATION SCHEDULE WITH CONTROLS CONTRACTOR.

ELECTRICAL NOTES:

- 1

EXISTING ELECTRICAL PANEL "ME".
- 2

EXISTING DUAL COMPUTER DROP (WIRE MOLD DOWN ALONG WALL) TO REMAIN. COORDINATE FINAL TERMINATION AT DATA RACK WITH UL-I.T. DEPARTMENT.
- 3

HR-1: EXISTING 60 AMP BREAKER(S) IN PANEL "ME" SHALL BE REPLACED WITH NEW 60 AMP BREAKER(S). INSTALL NEW WIRING FROM PANEL TO NEW UNIT IN EXISTING UNDERGROUND CONDUIT (3-#4, 1-#10G). INSTALL NEW GREENFIELD CONDUIT FOR FINAL CONNECTION TO NEW UNIT. CONNECT TO BREAKERS MARKED "HR-1".
- 4

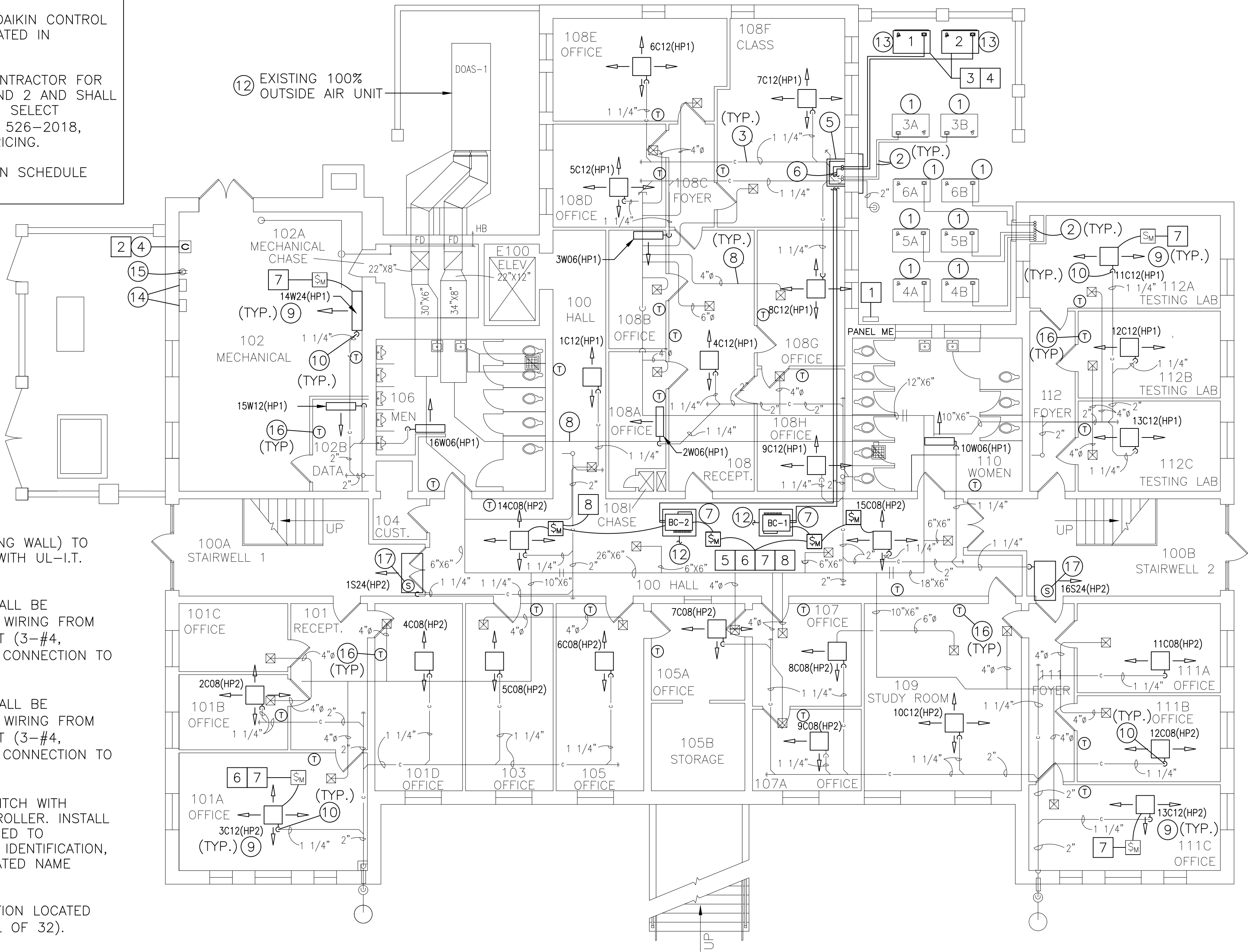
HR-2: EXISTING 60 AMP BREAKER(S) IN PANEL "ME" SHALL BE REPLACED WITH NEW 20 AMP BREAKER(S). INSTALL NEW WIRING FROM PANEL TO NEW UNIT IN EXISTING UNDERGROUND CONDUIT (3-#4, 1-#10G). INSTALL NEW GREENFIELD CONDUIT FOR FINAL CONNECTION TO NEW UNIT. CONNECT TO BREAKERS MARKED "HR-2".
- 5

FURNISH AND INSTALL NEW 208/1/60 MOTOR RATED SWITCH WITH THERMAL PROTECTION WITHIN ARMS REACH OF BC CONTROLLER. INSTALL MOTOR RATED SWITCH ON UNI-STRUT BRACKETS ANCHORED TO STRUCTURE ABOVE. LABEL SWITCH WITH BC CONTROLLER IDENTIFICATION, PANEL NAME, AND BREAKER NUMBER ON PLASTIC LAMINATED NAME PLATE. (TYPICAL ALL NEW BRANCH CONTROLLERS (BC)).
- 6

MOTOR RATED TOGGLE SWITCH WITH THERMAL PROTECTION LOCATED ABOVE CEILING. (TYPICAL ALL UNITS 1ST FLOOR – TOTAL OF 32).
- 7

RECONNECT POWER WIRING (3-#12, 1-#12G) IN 3/4" CONDUIT (MC CABLE) TO ALL NEW UNITS FROM EXISTING MOTOR RATED SWITCH LOCATED ABOVE EXISTING CEILING ADJACENT TO EACH UNIT LOCATION. (TYPICAL ALL UNITS 1ST FLOOR – TOTAL OF 32.)
- 8

FURNISH AND INSTALL NEW MOTOR RATED SWITCH WITH THERMAL PROTECTION FOR NEW EQUIPMENT. EXTEND EXISTING CIRCUIT FROM EXISTING J-BOX TO NEW MOTOR RATED SWITCH LOCATION WITH (3-#12, 1-#12G) IN EMT CONDUIT FOR NEW REQUIRED POWER SUPPLY TO NEW EQUIPMENT. (TYPICAL)



FIRST FLOOR PLAN –
NEW WORK

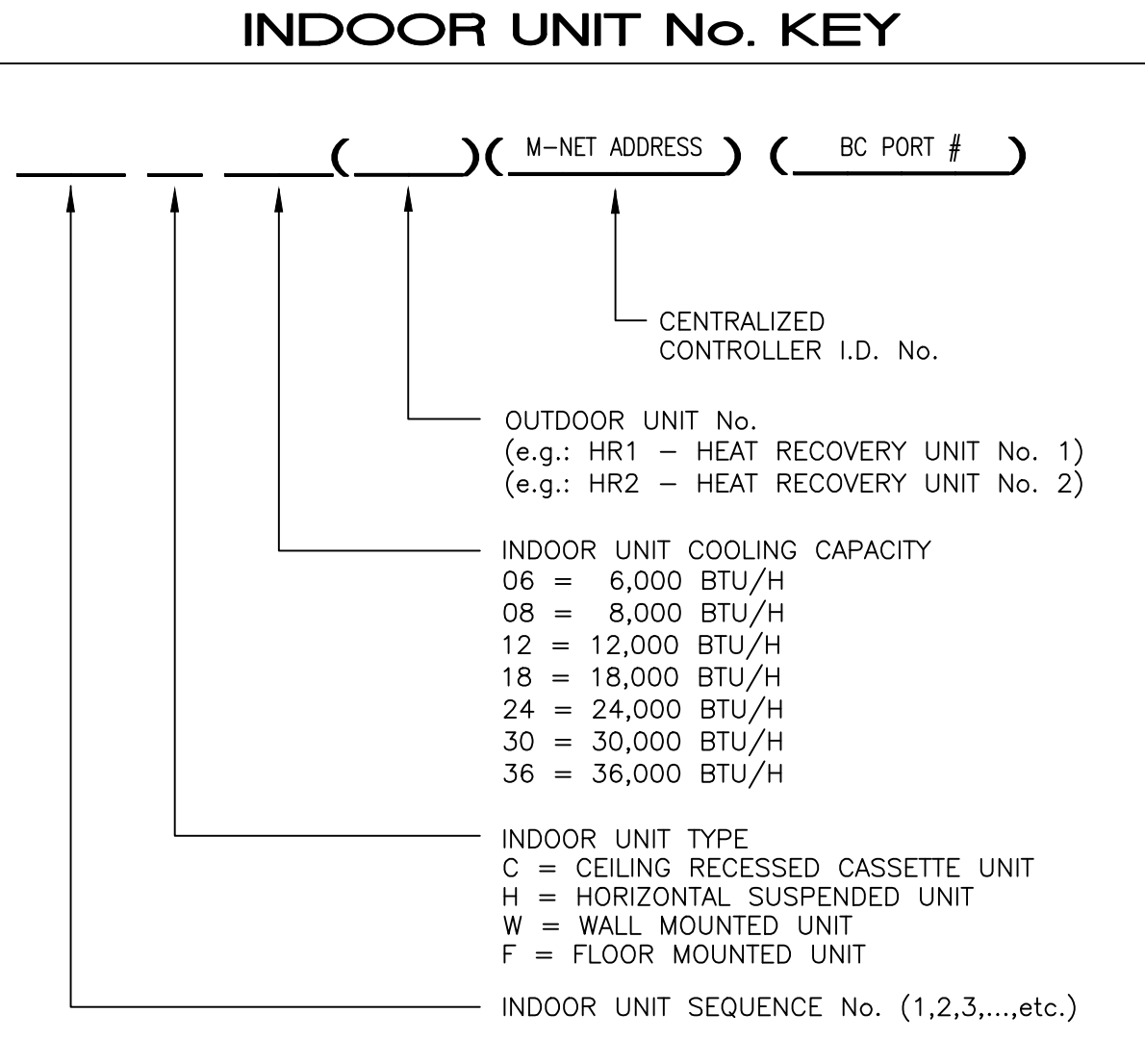
GENERAL NOTES		
NO.	REVISIONS	DATE

GIRARD HALL
HVAC MODIFICATIONS (SYSTEM 1 AND 2)

UL FACILITY MANAGEMENT
THE UNIVERSITY OF LOUISIANA AT LAFAYETTE
P.O. BOX 42310
LAFAYETTE, LOUISIANA 70504



PROJECT NO:	SHEET:
DATE: JULY 2025	ME1
SCALE:	



VARIABLE REFRIGERANT FLOW (VRF) - HEAT RECOVERY - INDOOR UNIT SCHEDULE																	
UNIT NO.	SERVICE	BRANCH CONTROLLER (BC)	FAN	CFM	COOLING			HEATING		ELECTRICAL		SOUND		CONTROL		COMMENTS	
			HIGH	LOW	MIN. BTU/H (OUTPUT)	EAT (°F)	WB	MIN. BTU/H	INDOOR TEMP	ELECTRICAL SERVICE	FLA/MCA	SOUND LEVEL	bB(A)	WALL MOUNTED CONTROLLER (T) OR INTERNAL SENSOR			
1C12(HP1)	100C CORRIDOR	BC-1	335	245	12,000	80	67	13,500	70° D.B.	208-1-60	0.23/0.30	34	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P12 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
2W06(HP1)	104A DATA	BC-1	191	170	6,000	80	67	6,700	70° D.B.	208-1-60	0.19/0.24	36	32	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P06 NLMU-E	(WALL MOUNTED CASSETTE UNIT)	
3W06(HP1)	104C OFFICE	BC-1	191	170	6,000	80	67	6,700	70° D.B.	208-1-60	0.19/0.24	36	32	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P06 NLMU-E	(WALL MOUNTED CASSETTE UNIT)	
4C12(HP1)	104 CORRIDOR/ASSISTANT 104	BC-1	335	245	12,000	80	67	13,500	70° D.B.	208-1-60	0.23/0.30	34	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P12 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
5C12(HP1)	104E OFFICE	BC-1	335	245	12,000	80	67	13,500	70° D.B.	208-1-60	0.23/0.30	34	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P12 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
6C12(HP1)	104G OFFICE	BC-1	335	245	12,000	80	67	13,500	70° D.B.	208-1-60	0.23/0.30	34	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P12 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
7C12(HP1)	104F OFFICE	BC-1	335	245	12,000	80	67	13,500	70° D.B.	208-1-60	0.23/0.30	34	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P12 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
8C12(HP1)	104D OFFICE	BC-1	335	245	12,000	80	67	13,500	70° D.B.	208-1-60	0.23/0.30	34	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P12 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
9C12(HP1)	104B OFFICE	BC-1	335	245	12,000	80	67	13,500	70° D.B.	208-1-60	0.23/0.30	34	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P12 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
10W06(HP1)	110 WOMEN'S R/R	BC-1	191	170	6,000	80	67	6,700	70° D.B.	208-1-60	0.19/0.24	36	32	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P06 NLMU-E	(WALL MOUNTED CASSETTE UNIT)	
11C12(HP1)	106C TESTING LAB	BC-1	335	245	12,000	80	67	13,500	70° D.B.	208-1-60	0.23/0.30	34	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P12 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
12C12(HP1)	106B TESTING LAB	BC-1	335	245	12,000	80	67	13,500	70° D.B.	208-1-60	0.23/0.30	34	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P12 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
13C12(HP1)	106A TESTING LAB	BC-1	335	245	12,000	80	67	13,500	70° D.B.	208-1-60	0.23/0.30	34	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P12 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
14W24(HP1)	102 MECHANICAL/ELECTRICAL RM.	BC-1	390	320	24,000	80	67	27,000	70° D.B.	208-1-60	0.23/0.30	36	32	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P24 NLMU-E	(WALL MOUNTED CASSETTE UNIT)	
15W12(HP1)	102B DATA ROOM	BC-1	335	245	12,000	80	67	13,500	70° D.B.	208-1-60	0.23/0.30	34	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P12 NLMU-E	(WALL MOUNTED CASSETTE UNIT)	
16W06(HP1)	108 MEN'S R/R	BC-1	191	170	6,000	80	67	6,700	70° D.B.	208-1-60	0.19/0.24	36	32	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P06 NLMU-E	(WALL MOUNTED CASSETTE UNIT)	
1S24(HP2)	100A STAIRWELL 1	BC-2	390	320	24,000	80	67	27,000	70° D.B.	208-1-60	0.45/0.56	36	32	SENSOR IN UNIT	MITSUBISHI PCFY-P24 NGMU-E	(SUSPENDED CEILING UNIT)	
2C08(HP2)	101A/101B OFFICE	BC-2	230	315	8,000	80	67	9,000	70° D.B.	208-1-60	0.22/0.28	33	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P08 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
3C12(HP2)	101C OFFICE	BC-2	335	245	12,000	80	67	13,500	70° D.B.	208-1-60	0.23/0.30	34	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P12 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
4C08(HP2)	101D OFFICE	BC-2	230	315	8,000	80	67	9,000	70° D.B.	208-1-60	0.22/0.28	33	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P08 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
5C08(HP2)	105 OFFICE	BC-2	230	315	8,000	80	67	9,000	70° D.B.	208-1-60	0.22/0.28	33	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P08 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
6C08(HP2)	107 OFFICE	BC-2	230	315	8,000	80	67	9,000	70° D.B.	208-1-60	0.22/0.28	33	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P08 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
7C08(HP2)	109 STORAGE	BC-2	230	315	8,000	80	67	9,000	70° D.B.	208-1-60	0.22/0.28	33	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P08 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
8C08(HP2)	111 OFFICE	BC-2	230	315	8,000	80	67	9,000	70° D.B.	208-1-60	0.22/0.28	33	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P08 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
9C08(HP2)	111A OFFICE	BC-2	230	315	8,000	80	67	9,000	70° D.B.	208-1-60	0.22/0.28	33	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P08 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
10C12(HP2)	113 OFFICE	BC-2	335	245	12,000	80	67	13,500	70° D.B.	208-1-60	0.23/0.30	34	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P12 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
11C08(HP2)	115A OFFICE	BC-2	230	315	8,000	80	67	9,000	70° D.B.	208-1-60	0.22/0.28	33	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P08 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
12C08(HP2)	115B OFFICE	BC-2	230	315	8,000	80	67	9,000	70° D.B.	208-1-60	0.22/0.28	33	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P08 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
13C12(HP2)	115C OFFICE	BC-2	335	245	12,000	80	67	13,500	70° D.B.	208-1-60	0.23/0.30	34	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P12 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
14C08(HP2)	100 CORRIDOR	BC-2	230	315	8,000	80	67	9,000	70° D.B.	208-1-60	0.22/0.28	33	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P08 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
15C08(HP2)	100 CORRIDOR	BC-2	230	315	8,000	80	67	9,000	70° D.B.	208-1-60	0.22/0.28	33	26	WALL MOUNTED CONTROLLER	MITSUBISHI PLFY-P08 NFMU-E	(2X2 CEILING RECESSED CASSETTE UNIT)	
16S24(HP2)	100B STAIRWELL 2	BC-2	390	320	24,000	80	67	27,000	70° D.B.	208-1-60	0.45/0.56	36	32	SENSOR IN UNIT	MITSUBISHI PCFY-P24 NGMU-E	(SUSPENDED CEILING UNIT)	

NOTES:

1. ALL UNITS SHALL BE COMPLETE WITH STOP VALVE WITH SERVICE PORT ON LIQUID, GAS AND RECOVERY LINES. VALVES SHALL BE LOCATED SUCH THAT UNIT CAN BE REMOVED AND REPLACED WITHOUT SHUTTING DOWN THE ENTIRE SYSTEM.
2. CEILING RECESSED UNITS (ONE-WAY AND FOUR-WAY) SHALL BE PROVIDED WITH INTEGRAL CONDENSATE PUMP.
3. UNIT CONTROL: WALL MOUNTED CONTROLLER (WIRED REMOTE WALL MOUNTED CONTROLLER WITH INTERNAL TEMPERATURE SENSOR) OR UNIT'S INTERNAL SENSOR (NO WALL MOUNTED CONTROLLER, TEMPERATURE SENSED AT RETURN SENSOR). REFER TO QUANTITY OF WALL MOUNTED CONTROLLER REQUIRED AS NOTED ON UNIT. SHARE A WALL MOUNTED CONTROLLER FOR PLANS FOR QUANTITY OF WALL MOUNTED CONTROLLER REQUIRED AS NOTED ON UNIT.
4. UNIT SHALL BE PROVIDED WITH LONG LIFE FILTER IN UNIT. PROVIDE ONE (1) SPARE SET OF FILTERS WITH EACH INDOOR UNIT.
5. ELECTRICAL DATA FOR BC CONTROLLER: BC CONTROLLER (CITY MULTI) = 1.89 AMPS.
6. CONTRACTOR SHALL REMOVE PLASTIC CONDENSATE HOSE CLAMP (AT UNIT CONNECTION) ON EACH INDOOR UNIT. FURNISH AND INSTALL A STAINLESS STEEL HOSE CLAMP ON THE CONDENSATE DRAIN HOSE (AT THE UNIT CONNECTION) ON EACH INDOOR UNIT. THE STAINLESS STEEL HOSE CLAMP SHALL BE APPROPRIATELY SIZED TO CREATE A WATER TIGHT SEAL.
7. ALL INDOOR UNITS SHALL HAVE AN IONIZATION DEVICE BY PLASMA AIR INSTALLED. DEVICES SHALL BE INSTALLED BY FACTORY REPRESENTATIVE.
8. BC CONTROLLER PORT CANNOT BE DETERMINED WHEN FINAL SHOP DRAWINGS ARE BEING PRODUCED.
9. ALL CASSETTES SHALL HAVE STOP VALVES INSTALLED AT CASSETTE IN LIEU OF BRANCH CONTROLLER (BC) LOCATION FOR EASY SERVICE AT UNIT. REFER TO DETAILS.
10. ALL INDOOR UNITS SHALL BE PRE-PROGRAMMED FROM FACTORY TO RUN ON FAN ON/OFF STATUS AND SHALL BE CONTROLLED BY THERMOSTAT ON WALL UNLESS OTHERWISE NOTED.

VARIABLE REFRIGERANT FLOW (VRF) - HEAT RECOVERY - OUTDOOR UNIT SCHEDULE																
M-NET ADDRESS	ZONE NO.	UNIT NO.	SERVICE	COOLING		HEATING				ELECTRICAL SERVICE	REFRIG.	EER	SOUND LEVEL dB(A)	MCA (AMPS)	FUSE (AMPS)	COMMENTS
				MIN. BTU/H (OUTPUT)	AMBIENT TEMP	MIN. BTU/H (OUTPUT)	INDOOR TEMP	OUTDOOR								
								DB	WB							
-	1	HR-1	1ST FLOOR - ZONE 1	144,000	95°F	160,000	70°F	47°F	43°F	208-3-60	R410-A	11.01	65	52	60	MITSUBISHI CITY MULTI PURY-EP144TNU-A1 (SIMULTANEOUS COOLING AND HEATING)
-	2	HR-2	2ND FLOOR - ZONE 2	144,000	95°F	160,000	70°F	47°F	43°F	208-3-60	R410-A	11.01	65	52	60	MITSUBISHI CITY MULTI PURY-EP144TNU-A1 (SIMULTANEOUS COOLING AND HEATING)

NOTES:

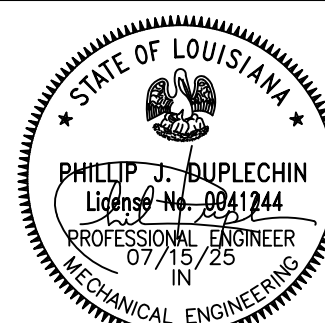
1. MAXIMUM DISTANCE BETWEEN COMBINED UNITS ON ONE REFRIGERANT SYSTEM - 32 FEET.
2. INSULATE SUCTION, LIQUID AND RECOVERY REFRIGERANT LINES.
3. INSTALL BC CONTROLLER (CITY-MULTI) FOR EACH CONDENSING UNIT AS REQUIRED BY MANUFACTURER'S SPECIFICATIONS CMB-P106NU-J1
4. ALL UNITS SHALL BE COMPLETE WITH STOP VALVE WITH SERVICE PORT ON LIQUID, GAS, AND RECOVERY LINES. VALVES SHALL BE LOCATED SUCH THAT UNIT CAN BE REMOVED AND REPLACED WITHOUT SHUTTING DOWN THE ENTIRE SYSTEM.
5. INSTALLATION OF REFRIGERANT PIPING, CONTROL WIRING, POWER WIRING, ETC. SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
6. EACH INDIVIDUAL OUTDOOR UNIT REQUIRES A DEDICATED ELECTRICAL CIRCUIT.
7. ANCHOR UNITS TO EQUIPMENT SUPPORTS AT GROUND LEVEL.
8. COORDINATE ELECTRICAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER.

MECHANICAL SCHEDULES

GENERAL NOTES		
NO:	REVISIONS:	DATE:

HVAC MODIFICATIONS (SYSTEM 1 AND 2)

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UNIVERSITY OF LOUISIANA AT LAFAYETTE
FACILITY MANAGEMENT

PROJECT NO:	SHEET: ME2
DATE: JULY 2025	
SCALE:	

