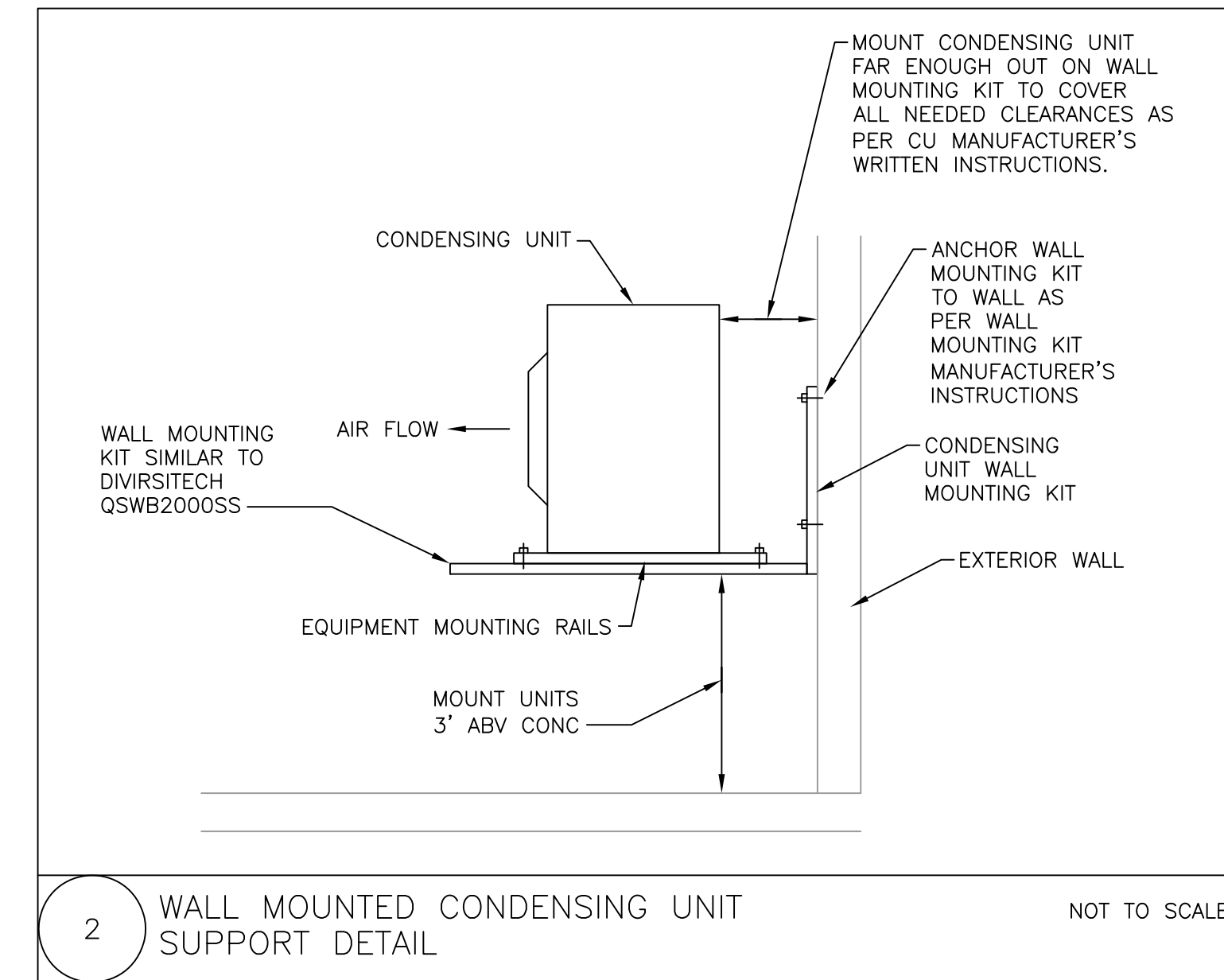


1 MECHANICAL NEW WORK FLOOR PLAN
SCALE: 1/4"=1'-0"

NEW WORK KEY NOTES:

- 1 REFRIGERANT SUCTION, LIQUID & HEAT RECOVERY PIPING FROM OUTDOOR HEAT RECOVERY UNIT TO INDOOR HEAT RECOVERY UNIT. SIZE ALL LINES PER MANUFACTURERS RECOMMENDATIONS.
- 2 REFRIGERANT SUCTION & LIQUID PIPING FROM INDOOR HEAT RECOVERY UNIT TO CEILING CASSETTE UNIT SIZED PER MANUFACTURERS RECOMMENDATIONS.
- 3 REFRIGERANT SUCTION, REFRIGERANT LIQUID, REFRIGERANT HEAT RECOVERY, & 1-1/4" CONDENSATE DRAIN DOWN EXTERIOR OF BUILDING. PROVIDE ALL PIPING DOWN IN LINEHIDE SIMILAR TO DIVERSITECH EASYGUARD.
- 4 CONDENSING UNIT TO BE WALL HUNG ON EXTERIOR WALL DOWN BY CONCRETE PLATFORM ON FIRST FLOOR. WALL HANG BRACKET KIT SHALL BE SIMILAR TO DIVERSITECH QSWB2000SS.
- 5 18x12 LOUVER SIMILAR TO GREENHECK ESD-435 MIN 0.50 SQ. FT. FREE AREA.
- 6 10" EXHAUST DUCT DOWN TO KITCHEN HOOD. EXHAUST DUCT TO TRANSITION TO 7" DURING DROP TO MATCH HOOD CONNECTION. PROVIDE DENLER D1030-D-F 30" WIDE HOOD WITH INLINE FAN. PROVIDE HOOD WITH ADA HANDICAPPED ACCESSIBLE CONTROL BOX, INTEGRATED FIRE SUPPRESSION SYSTEM, & D1000-E ELECTRIC RANGE ELEMENT DISCONNECT. COORDINATE WITH EC FOR WIRING.
- 7 12x12 LOUVER SIMILAR TO GREENHECK ESD-435 MIN 0.30 SQ. FT. FREE AREA.
- 8 1-1/4" CONDENSATE DRAIN TO RUN ON WALL TO CLEAR CONCRETE PLATFORM AND SHALL TERMINATE BY SPILLING TO GRADE. PROVIDE CONDENSATE DRAIN WITH PREFORMED CONCRETE SPLASH BLOCK AT TERMINATION.
- 9 6" FLEX DUCT TO VENTILATION KIT CONNECTION OF CEILING CASSETTE UNIT. PROVIDE ANY REQUIRED DUCT TRANSITIONS AS REQUIRED TO CONNECT FLEX DUCT TO VENTILATION KIT CONNECTION.



NOTES:
1. FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, REFER TO DRAWINGS M-001.

CEILING CASSETTE AIR HANDLING UNIT SCHEDULE														
UNIT TAG	AREA SERVED	TOTAL SUPPLY CFM @ LOW	OUTDOOR AIR CFM	RATED TOTAL COOLING BTU/HR	RATED TOTAL HEATING BTU/HR	ELECTRICAL CHARACTERISTICS				MAXIMUM DIMENSIONS, IN. LxWxH	MAXIMUM WEIGHT LBS.	TYPE	BASIS OF DESIGN MANUFACTURER & MODEL NO.	SERVED BY
						VOLTS	PHASE	CYCLE	AMPS					
CC-1	LOUNGE	670	60	24,200	27,300	208	1	60	1.67	38x38x12	60	CEILING CASSETTE	LG ARNU243TA44	CU-1
CC-2	LOUNGE	670	60	24,200	27,300	208	1	60	1.67	38x38x12	60	CEILING CASSETTE	LG ARNU243TA44	CU-1
CC-3	ELEVATOR LOBBY	247	25	12,300	13,600	208	1	60	0.20	24x24x10	32	CEILING CASSETTE	LG ARNU123TRD4	CU-1

1. PROVIDE ALL UNITS WITH WALL MOUNTED HARD-WIRED THERMOSTAT. CC-1 & CC-2 SHALL RUN OFF ONE THERMOSTAT.
2. PROVIDE ALL UNITS WITH INTEGRAL CONDENSATE PUMP.
3. PROVIDE ALL UNITS COMPLETE WITH GRILLE.
4. PROVIDE ALL UNITS WITH CONDENSATE OVERFLOW SWITCH AND INTERLOCK WITH UNIT FOR SHUTDOWN.
5. PROVIDE ALL UNITS WITH A VENTILATION KIT FOR CONNECTION TO OUTDOOR AIR DUCTS.

VRF OUTDOOR HEAT RECOVERY UNIT SCHEDULE																	
UNIT TAG	TONS	NOMINAL COOLING CAPACITY BTUH	NOMINAL HEATING CAPACITY BTUH	COMPRESSOR			CONDENSER FAN MOTOR			ELECTRICAL CHARACTERISTICS				MAX. AMBIENT TEMP. °F	MAXIMUM DIMENSIONS, IN. LxWxH	OPERATING WEIGHT LBS.	BASIS OF DESIGN MANUFACTURER AND MODEL NO.
				QTY.	H.P. EA.	RLA, COMP.#	QTY.	KW EA.	FLA	VOLTS	PHASE	CYCLE	MCA				
OHRU-1	5	60,000	64,000	1	-	19.5	2	-	0.5	208	3	60	25.4	122	38x13x55	260	LG ARUB060GS54

1. PROVIDE UNIT WITH LOW AMBIENT WIND BAFFLE.
2. PROVIDE UNIT WITH EC PROVIDED NON-FUSED DISCONNECT SWITCH.
3. PROVIDE UNIT WITH WALL HANG BRACKET KIT SIMILAR TO DIVERSITECH QSWB2000SS.

VRF INDOOR HEAT RECOVERY UNIT SCHEDULE												
UNIT TAG	UNITS SERVED	NO. OF PORTS	MAX PORT CAPACITY BTUH	MAX UNIT CAPACITY BTUH	ELECTRICAL CHARACTERISTICS				MAXIMUM DIMENSIONS, IN. LxWxH	OPERATING WEIGHT LBS.	BASIS OF DESIGN MANUFACTURER AND MODEL NO.	
					VOLTS	PHASE	CYCLE	AMPS				
IHRU-1	CC-1/CC-2/CC-3	2	60,000	120,000	208	1	60	0.06	31x26x9	33	LG PRHR023A	

No.	Date	Description
1	01/03/24	Addendum No. 1
	10/08/23	Permit and Construction
	09/15/23	Permit and Construction

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DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

Client:

Montclair State University
1 Normal Avenue
Montclair, NJ 07043

Project:

Bohn Hall - 3rd Floor
Community Kitchen Renovation
Stone Street
Montclair, NJ 07043
MSU Project No: PR23C006

Drawing Information:

Project No: 23.033
Date: 23.033
Drawn By: TMW
Checked By: RLD

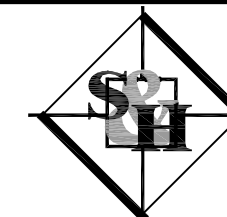
Sheet Name:

MECHANICAL NEW WORK FLOOR PLAN

Sheet No:

M-100

M/E/P Engineer:



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