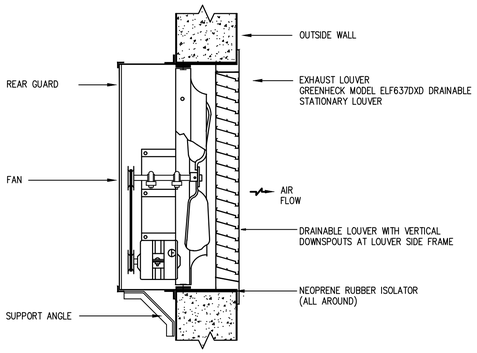
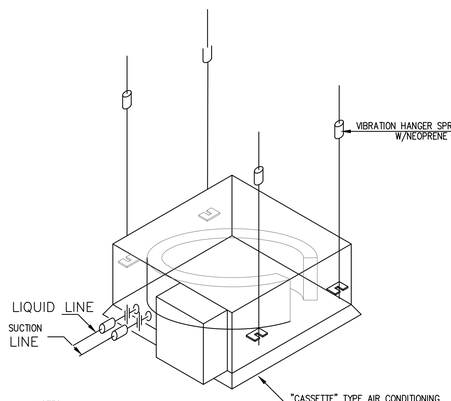


WALL FAN MOUNTING DETAIL

N.T.S.



NOTES –
1.) THIS DIAGRAM ID SCHEMATIC ONLY. EXACT ROUTING OF PIPING AND MOUNTING OF UNITS TO BE DETERMINED ON–SITE.
2.) REFRIGERANT TUBING & FITTINGS SHALL BE PROCESSED TUBING SUITABLE FOR TIHS APPLICATION; DEOXIDIZED, DEHYDRATED & SEALED, TYPE ACR w BRAZED JOINTS. INSULATED SUCTION LINE w 25mm thk ELASTOMER PIPE INSULATION.

MINI–SPLIT
INDOOR UNIT (CASSETTE) MOUNTING DETAIL

N.T.S.

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF OUTDOOR UNIT SCHEDULE

	System Tag	CU-8
	Tag Reference	CU-8
Nominal Data	M-NET Address	N/A
	Model Number	MXZ-3D24NL
	Modules	
	Nominal Cooling Capacity (BTU/h)	22,000
	Nominal Heating Capacity (BTU/h)	25,000
	EER2 [SEER2]	13.7 [20]
	Heating COP @ 47°F [HSPF2]	4.3 [10]
Design Conditions	Design Cooling Outdoor Temp DB (°F)	95.0
	Design Heating Outdoor Temp WB (°F)	43.0
	Max Pipe Length from BC or 1st Joint (feet)	0.0
	Refrig Pipe Dim High/Low Pressure (inch) (See Note 4)	1/4 / 1/2
Performance Data	Corrected Cooling Total Capacity (BTU/h)	21,800.0
	Corrected Heating Capacity (BTU/h)	27,715.5
Compressor Data	Compressor Type	
	Compressor Quantity	
	Preliminary Added Field Charge (See Note 5)	0.0
Electrical Data	Voltage / Phase	208/230V / 1-phase
	MCA 208/230 or [460V]	28.7
	Recommended Fuse Size (RFS)	25
	MOCP	48
Notes / Options	Applicable System Notes - See Notes Below	1, 2, 3, 4, 5, 6

NOTES:
1 NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67°F (DB/WB), OUTDOOR OF 95°F (DB)
2 NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F (DB), OUTDOOR OF 43°F (WB)
3 EFFICIENCY VALUES FOR EER, IEER, COP ARE BASED ON AHRI 1230 TEST METHOD FOR MIXTURE OF DUCTED & NON–DUCTED INDOOR UNITS.
4 FOR SYSTEMS WITH MULTIPLE MODULES, REFRIGERANT PIPE DIMENSIONS INDICATE TOTAL SYSTEM COMBINED PIPING DOWNSTREAM OF MODULE TWINNING.
5 ADDED FIELD CHARGE LISTED IS IN ADDITION TO FACTORY CHARGE, THIS MUST BE UPDATED BASED UPON FINAL AS–BUILT PIPING LAYOUT.
6 FACTORY REPRESENTATIVES SHALL PROVIDE ON–SITE ASSISTANCE FOR THE BMS INTEGRATION OF THE CITY MULTI EQUIPMENT.

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF INDOOR UNIT SCHEDULE

	System Tag	CU-8	CU-8
	Tag Reference	AHU-8.1	AHU-8.2
Nominal Data	Room Name		
	Model	MLZ-KX12NL	MLZ-KX12NL
	Type	Ceiling Cassette (One-Way)	Ceiling Cassette (One-Way)
	Nominal Cooling Capacity (BTU/h)	10,900	10,900
	Nominal Heating Capacity (BTU/h)	12,000	12,000
Design Conditions	Cooling Design Entering Temp DB/WB (°F) / [Water in temp]	80.0/67.0	80.0/67.0
	Heating Design Entering Temp DB/WB (°F) / [Water in temp]	70.0	70.0
	Cooling Diversity Full/Partial (See Note 5, 6)	FULL DEMAND	FULL DEMAND
	Heating Diversity Full/Partial (See Note 5, 6)	FULL DEMAND	FULL DEMAND
	Refrig Pipe Dim Liquid/Suction (inch)	1/4 / 3/8	1/4 / 3/8
Fan / Water Flow Data	Fan Speed Setting	HIGH	HIGH
	Peak Fan Airflow (cfm) / [Design gpm]	332	332
	Max Fan ESP Setting 208V/230V (IN WG)		
Electrical Data	Voltage / Phase	208/230V/1-phase	208/230V/1-phase
	Power Cooling 208V/230V (kW)		
	Power Heating 208V/230V (kW)		
	Electrical MCA/MFS	Powered by Outdoor	Powered by Outdoor
Notes / Options	Applicable System Notes - See Notes Below	1, 2, 3, 4	1, 2, 3, 4

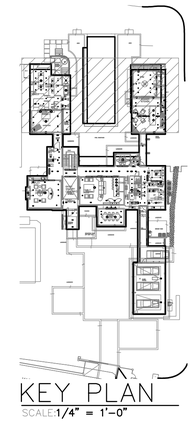
NOTES:
1 NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67°F (DB/WB), OUTDOOR OF 95°F (DB)
2 NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F (DB), OUTDOOR OF 43°F (WB)
3 SEE OUTDOOR UNIT SCHEDULE FOR OUTDOOR AMBIENT CONDITIONS, CONNECTED CAPACITY, AND OTHER FACTORS ASSOCIATED WITH CORRECTED CAPACITIES
4 SEE SCHEMATIC PIPING/CONTROL DIAGRAM FOR INDICATION OF REQUIRED INDOOR UNIT REMOTE CONTROLLERS, SYSTEM CONTROLLERS, AND INTEGRATION DEVICES.
5 "FULL DEMAND CORRECTED CAPACITY INCLUDES DE–RATE ASSOCIATED WITH INDOOR VS. OUTDOOR CONNECTED CAPACITY INDICATED ON OUTDOOR UNIT SCHEDULE FOR ASSOCIATED SYSTEM.
PARTIAL CORRECTED CAPACITY ASSUMES SUFFICIENT DIVERSITY EXISTS SUCH THAT THE CONNECTED CAPACITY DE–RATE DOES NOT APPLY.
IT IS THE DESIGNER'S RESPONSIBILITY TO ENSURE ""DIAMOND SYSTEM BUILDER"" IS SET IN THE APPROPRIATE OUTPUT CAPACITY SETTING (FULL DEMAND/PARTIAL DEMAND) PRIOR TO GENERATING THIS SCHEDULE."
6 IT IS RECOMMENDED TO ALWAYS BASE HEATING CORRECTED CAPACITY ON FULL DEMAND.

ENTERTAINMENT FANS

MARK	SERVICE	TYPE	CFM	ZONES	STATIC PRESS.	ELECTRICAL	AMPS.	RPM	UNIT SIZE HXWXD	WEIGHT (LBS)	MODEL	INTERLOCK WITH
F–3	ENTERTAINMENT	WALL MOUNTED	720	0.4	0.22"	115/1/60	0.85	1550	16"X16"X10"	45	ILG8SF16V–ST – ILIVING	TEMPERATURE SENSOR

NOTES :
1. ALL FANS WITH BACKDRAFT DAMPER. 2. ALL FANS PROVIDE WITH SPEED CONTROLLER.

NOTES



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License AR 13937

CONSULTANT(S)

NO.	REVISION/SUBMISSION	DATE
	OWNER REVIEW	03–11–24
	PERMIT SUBMITTAL	06–07–24
1	OWNER CHANGES	03–31–26

PROJECT

New 2–Story Residence:
6100 W Suburban Dr. Pinecrest, Fl 33156

DRAWING

Mechanical Details

SEAL

Nelson de Leon
AR 13937

SCALE: As Shown
DRAWN:
REVIEWED:
PROJ. NO.: 351

SHEET NO.: M–02.3 (2) NEW SHEET

JOB# 24-0407

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Coral Gables, Florida 33134
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Amarilis Rodriguez, P.E.
License Number 80236
STATE OF FLORIDA

Signature: _____
Date: 2026.04.22 10:24:19 -04'00'