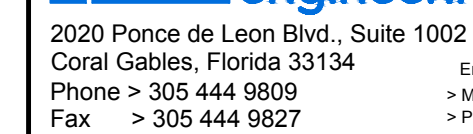
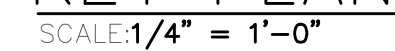


JOB# 24-0407



Signature _____

Date _____



500 South Dixie Highway, Suite 307
Coral Gables, Florida 33146
Tel (305) 740-0120
Email locus@locusarchitecture.net
License AR 13937

CONSULTANT(S)

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

PROJECT

New 2-Story Residence:
6100 W Suburban Dr. Pinecrest,
FL 33156

DRAWING

Partial First Reflected
Mechanical Plan: 04

SEAL

SCALE
As Shown

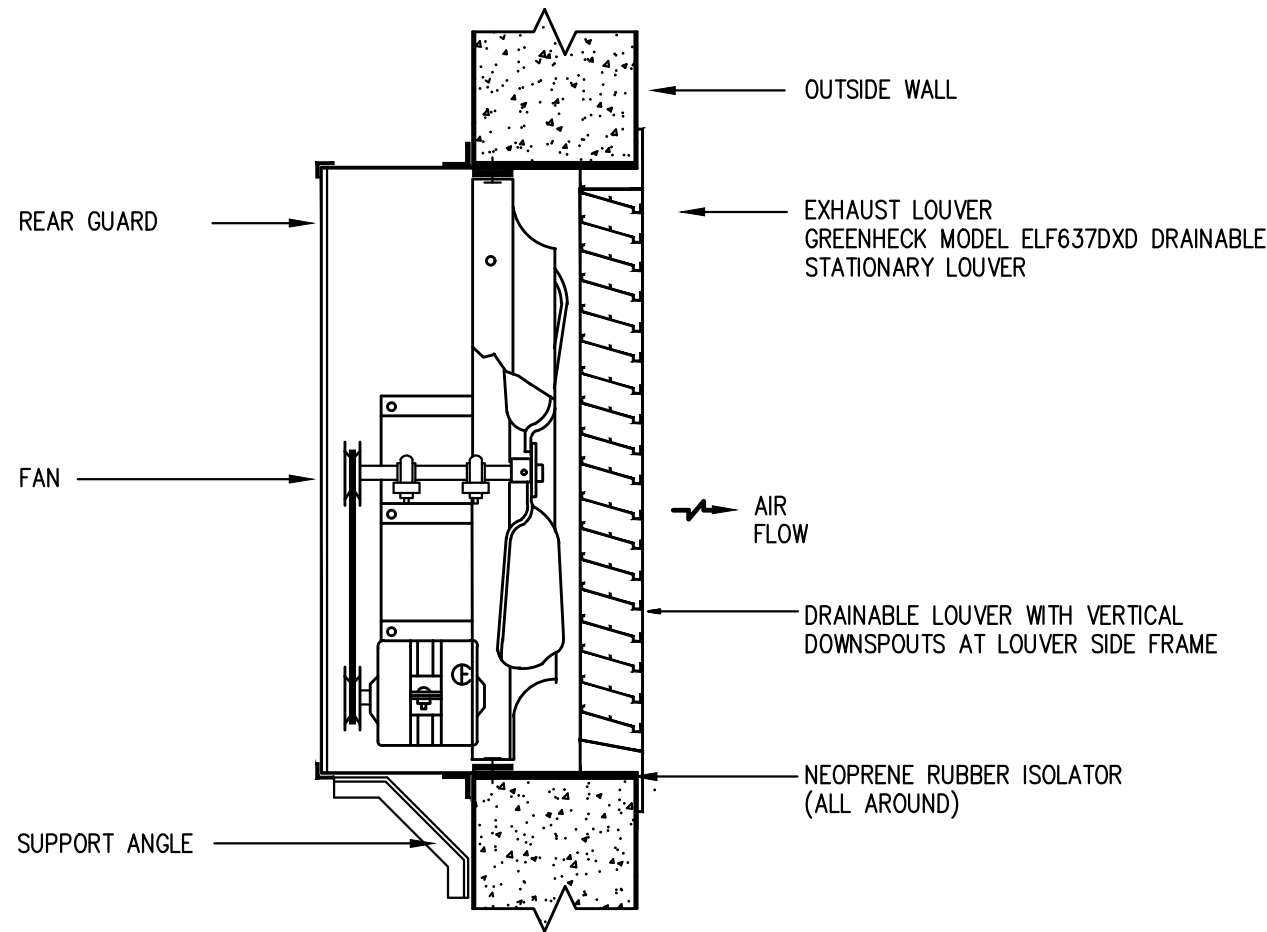
DRAWN

REVIEWED

Nelson de
Leon
AR 13937

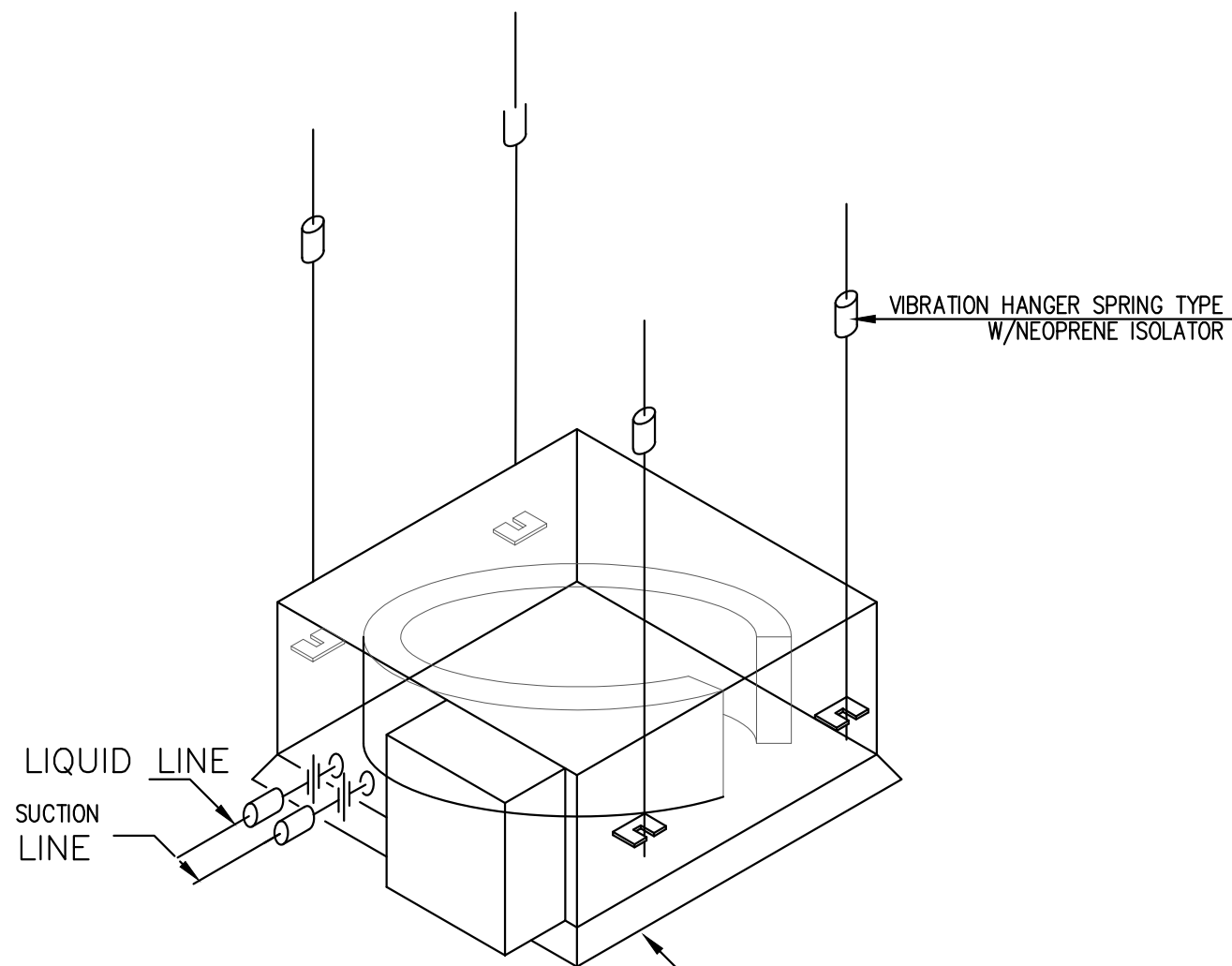
SHEET NO.

M-01.3



WALL FAN MOUNTING DETAIL

N.T.S.



- NOTES -
- THIS DIAGRAM IS SCHEMATIC ONLY. EXACT ROUTING OF PIPING AND MOUNTING OF UNITS TO BE DETERMINED ON-SITE.
 - REFRIGERANT TUBING & FITTINGS SHALL BE PROCESSED SUITABLE FOR THIS APPLICATION. DEODORIZED, 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]
Design Conditions	Heating COP @ 47°F [HSPF2]	4.3 [10]
	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	
Electrical Data	Preliminary Added Field Charge (See Note 5)	0.0
	Voltage / Phase	208/230V / 1-phase
	MCA 208/230 or [460V]	28.7
	Recommended Fuse Size (RFS)	25
Notes / Options	MOCP	48
	Applicable System Notes - See Notes Below	1, 2, 3, 4, 5, 6

NOTES:

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

ENTERTAINMENT FANS											
MARK	SERVICE	TYPE	CFM	ZONES	STATIC PRESS.	ELECTRICAL	AMPS.	RPM	UNIT SIZE HXWXD	WEIGHT (LBS)	MODEL
F-3	ENTERTAINMENT	WALL MOUNTED	720	0.4	0.22"	115/1/60	0.85	1550	16"X16"X10"	45	ILGBSF16V-ST - ILIVING
INTERLOCK WITH TEMPERATURE SENSOR											
NOTES : 1. ALL FANS WITH BACKDRAFT DAMPER. 2. ALL FANS PROVIDE WITH SPEED CONTROLLER.											

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

NOTES:

- NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67°F (DB/WB), OUTDOOR OF 95°F (DB)
 - NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F (DB), OUTDOOR OF 43°F (WB)
 - SEE OUTDOOR UNIT SCHEDULE FOR OUTDOOR AMBIENT CONDITIONS, CONNECTED CAPACITY, AND OTHER FACTORS ASSOCIATED WITH CORRECTED CAPACITIES
 - SEE SCHEMATIC PIPING/CONTROL DIAGRAM FOR INDICATION OF REQUIRED INDOOR UNIT REMOTE CONTROLLERS, SYSTEM CONTROLLERS, AND INTEGRATION DEVICES.
 - "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."
- IT IS RECOMMENDED TO ALWAYS BASE HEATING CORRECTED CAPACITY ON FULL DEMAND.

This item has been digitally signed and sealed by Amarilis Rodriguez, PE, on _____ Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies. JOB# 24-0407



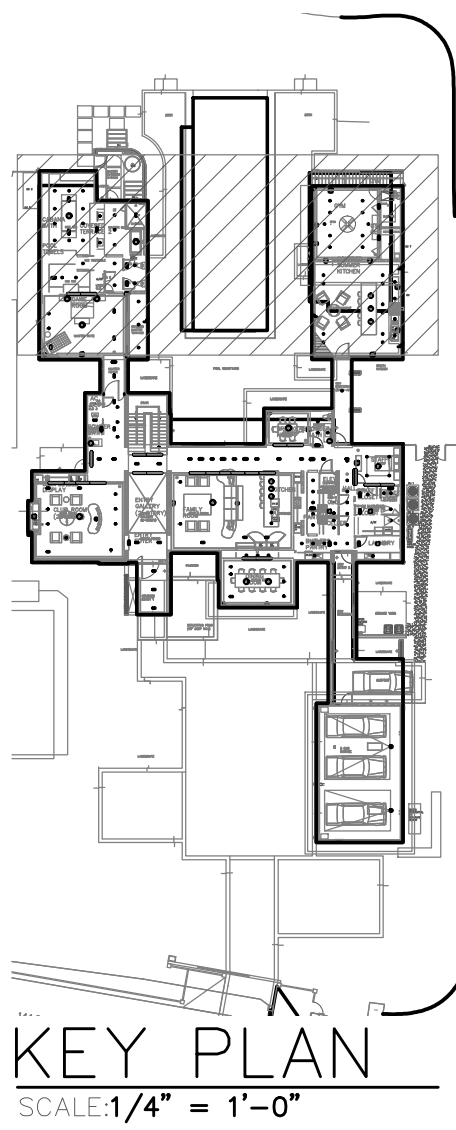
2020 Ponce de Leon Blvd., Suite 1002
Coral Gables, Florida 33134
Phone > 305 444 9809
Fax > 305 444 9827

Amarilis Rodriguez, P.E.
License Number 60236
C.A. 26359

Engineering Design
> Mechanical > Electrical
> Plumbing > Fire Protection
www.arpe-eng.com

Signature _____
Date _____

NOTES





500 South Dixie Highway, Suite 307
Coral Gables, Florida 33146
Tel (305) 740-0120
Email locus@locusarchitecture.net
License AR 13937

CONSULTANT(S)

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

PROJECT

New 2-Story Residence:
6100 W Suburban Dr. Pinecrest,
FL 33156

DRAWING

Mechanical
Details

SEAL

SCALE
As Shown

DRAWN

REVIEWED

Nelson de
Leon
AR 13937

PROJ. NO.
351

SHEET NO.

M-02.3
NEW SHEET

