

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

System Tag	Tag Reference	M-Net Address	Model Number	Modules	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Efficiency	Heating COP @ 47°F [HSPF]	Nom System Connected Capacity (% of NOM)	Design Cooling Outdoor Temp DB (°F)	Design Heating Outdoor Temp WB (°F)	Refrig Pipe Dim High/Low Pressure (inch) (See Note 4)	Corrected Cooling Total Capacity (BTU/h)	Corrected Heating Capacity (BTU/h)	Sound Pressure (dBA)	Electrical-Per Module 208/230 or [460V]				Notes / Options
							[SEER]									Voltage / Phase	MCA 208/230 or [460V]	RFS	MOCP	
							[24.60000038146 97]													
System 1	CU-1	N/A	MUZ-GL09NA-U1		9,000.0	10,900.0		[12.8]	100.0%	85.0	20.2	1/4 / 3/8	9,821.9	9,264.1	48/50	208/230V / 1-phase	9	15	15	1, 2, 3, 4, 5

Notes & Options:

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.

Authorized to Begin Construction

Construction Review Services has authorized this project to begin construction.

- See accompanying project comment form for review status and corrections.
- This is not a building permit, check with your local building department.

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

System Tag	Room Name	Tag Reference	Model	Type	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Design	Heating Design	Corrected Capacity				Refrig Pipe Dim Liquid/Suction (inch)	Peak Fan Airflow (cfm) / [Design gpm GUS /min]	Max Fan ESP Setting 208V/230V (IN WG)	Sound Pressure Per Fan Speed 208V/230V (dBA)	Voltage / Phase	Power Cooling 208V/230V (kW)	Power Heating 208V/230V (kW)	Electrical MCA/MFS	Notes / Options	
							Entering Temp DB/WB (°F) / [Water in temp]	Entering Temp DB/WB (°F) / [Water in temp]	Cooling Diversity Full/Partial (See Note 5, 6)	Cooling Total Capacity (BTU/h)	Cooling Sensible Capacity (BTU/h)	Heating Diversity Full/Partial (See Note 5, 6)										Heating Capacity (BTU/h)
System 1	Elev Mach Room	FU-1	MSZ-GL09NA-U1	Wall -Mounted	9,000.0	10,900.0	80.0/67.0	70.0	FULL DEMAND	9,821.9	8,316.1	FULL DEMAND	3/8 / 1/4	406		19-22-30-37-43/19-22-30-37-43	208/230V/1-phase			Powered by Outdoor	1, 2, 3, 4, 5, 6	

Notes & Options:

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.

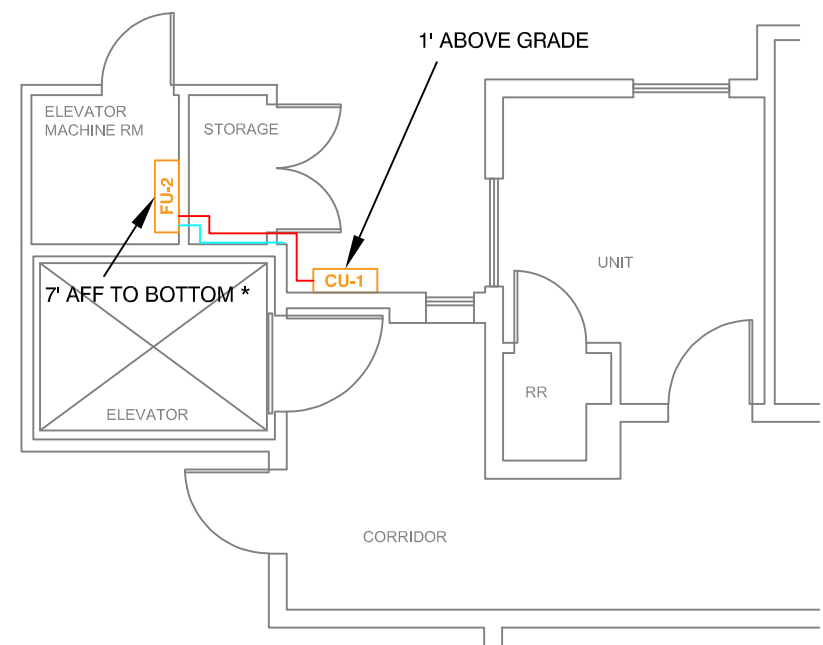
5

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.

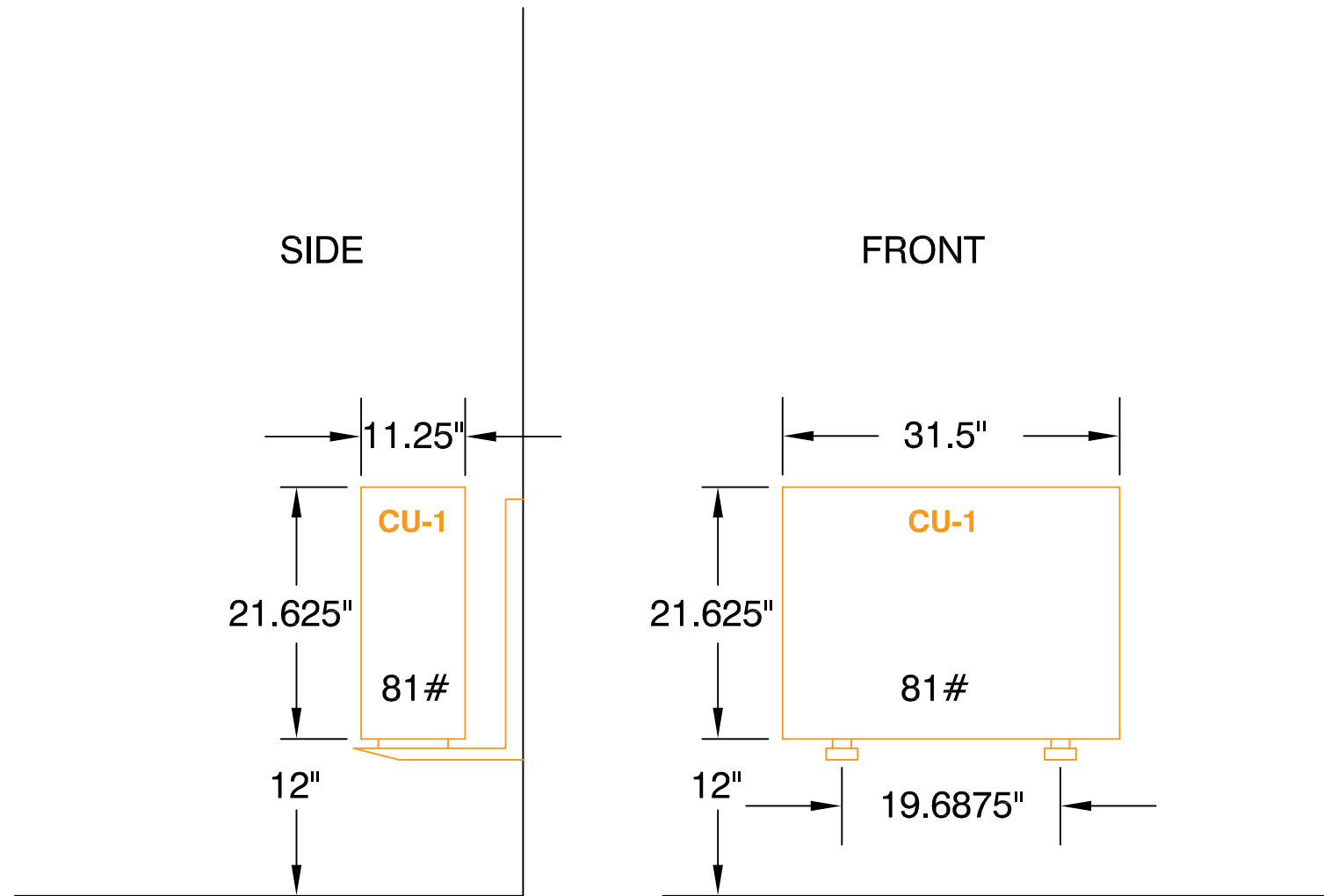
* SEAL ALL LINESET PENETRATIONS THROUGH RATED STRUCTURES WITH RATED FIRE STOPPING EQUAL TO THE RATED STRUCTURE.



1ST FLR ELEVATOR MECH PLAN
SCALE: 1/8"=1'-0"



UNIT LOCATION
SCALE: NOT TO SCALE



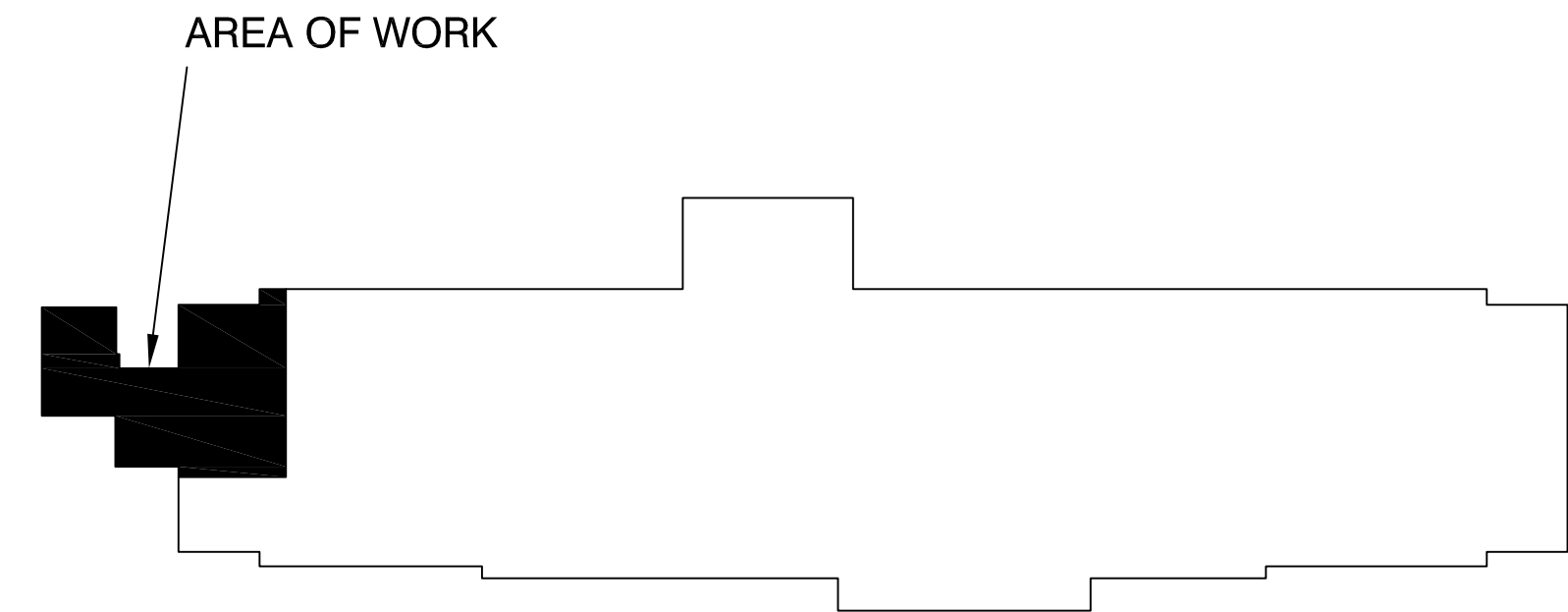
SERVICE COURTYARD UNIT ELEVATIONS

SCOPE OF WORK:

FOR THE PURPOSE OF ELEVATOR MODERNIZATION:
INSTALL SPLIT UNIT HVAC FOR THE EXISTING ELEVATOR MACHINE ROOM. SIZE THE UNIT FOR PROPER CONDITIONING AND AS STATED ON THE EQUIPMENT SCHEDULES. INSTALL COMPRESSOR UNIT WALL MOUNTED ON THE NEARBY BUILDING EXTERIOR PER THIS PLAN.

MECHANICAL CODE: 2018
ENERGY CODE: 2018

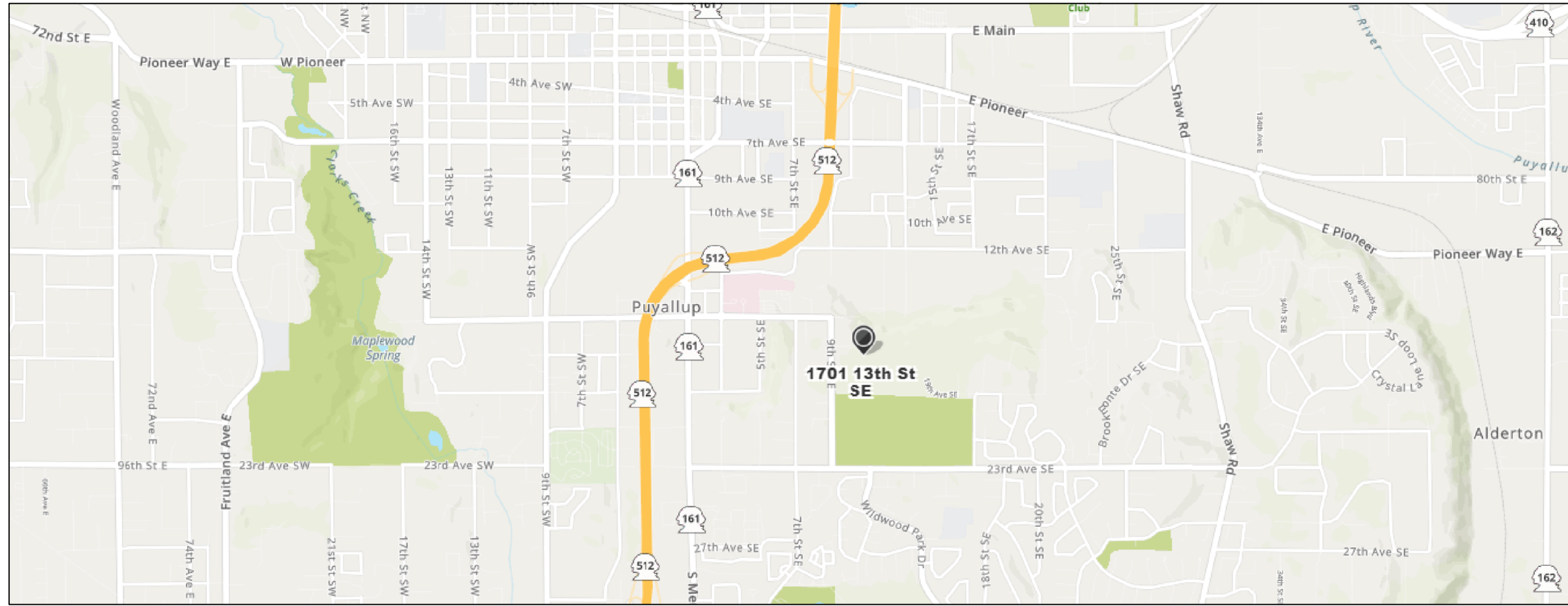
KEY LEGEND AND COMPONENT LIST					
SYMBOL	DESCRIPTION	QTY	PART #	MANUFACTURER	MOUNTING DETAILS
CU-1	COMPRESSOR UNIT	1	MUZ-GL09NA-U1	MITSUBISHI	WALL MOUNT BRACKET @ 2'
FU-1	INDOOR FAN UNIT	1	MSZ-GL09NA-U1	MITSUBISHI	7' AFF TO BOTTOM - 22#
---	LINE SET	14'	3/8" / 1/4"		LINE HIDE WHERE EXPOSED
---	CONDENSATE DRAIN	12'	5/8"	TUBING	
	CONDENSATE PUMP	1	55430	LITTLE GIANT	AT INDOOR FAN UNITS



SITE OVERVIEW
SCALE: NOT TO SCALE

DRIVING DIRECTIONS

FROM 23RD AVE SE: HEAD NORTH ON 17TH STREET SE. AT INTERSECTION WITH 19TH AVE SE, TURN LEFT ON 19TH AVE SE AND BEAR LEFT ONTO 13TH STREET SE. CONTINUE TO PARKING.



VICINITY MAP
SCALE: NOT TO SCALE

REVISION
PERMIT SUBMITTAL

DATE
11/09/21

REV. NO.
0

CONTRACTOR:
160 LLC
ELECT. 160 LLC-1602JT
PO BOX 808 PUYALLUP, WA 98070
253-226-9622

PROPERTY:
EVAN ROBBINS

DESIGNER NAME:
LUCKETT HOUSE
MECHANICAL FOR ELEVATOR MODERNIZATION
1701 13TH STREET SE
PUYALLUP, WA 98072

APPROVED BY:
ER

DRAWN BY:
ER

DATE:
11/09/21

JOB#
LUCKETT

DWG. NO.:
M-01



DESIGNER NAME:		Evan Robbins	
APPROVED BY:		ER	
DRAWN BY:		ER	
DATE:		11/09/21	
JOB#		LUCKETT	
DWG. NO. :		M-02	
PROPERTY:		LUCKETT HOUSE MECHANICAL FOR ELEVATOR MODERNIZATION 1701 13TH STREET SE PUYALLUP, WA 98372	
CONTRACTOR:		160 LLC ELECT. 160 LLC PO BOX 808 PUYALLUP, WA 98070 253-225-9025	
DATE	REV. NO.	REVISION	
11/09/21	0	PERMIT SUBMITTAL	