## 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 IEER/EER [SEER] | 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] Voltage / Phase | MCA 208/230 or [460V] | RFS | MOCP | Notes / Options |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| System 1 | CU-1 | N/A | MUZ-GL09NA-U1 | | 9,000.0 | 10,900.0 | [24.600003814697] | [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.

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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 Entering Temp DB/WB (°F) / [Water in temp] | Heating Design Entering Temp DB/WB (°F) / [Water in temp] | Corrected Capacity: Cooling Diversity Full/Partial (See Note 5, 6) | Corrected Capacity: Cooling Total Capacity (BTU/h) | Corrected Capacity: Cooling Sensible Capacity (BTU/h) | Corrected Capacity: Heating Diversity Full/Partial (See Note 5, 6) | Corrected Capacity: Heating Capacity (BTU/h) | Refrig Pipe Dim Liquid/Suction (inch) | Peak Fan Airflow (cfm) / [Design gpm G(US)/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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 9,264.1 | 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.

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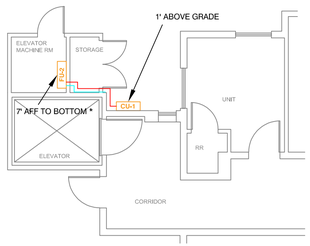
THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS (MIN. PLAN SIZE 24" X 36")

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

City of Puyallup
Building
APPROVED
Reviewed for Code Compliance. See permit for additional requirements.
DLeahy
02/04/2022
3:35:08 PM

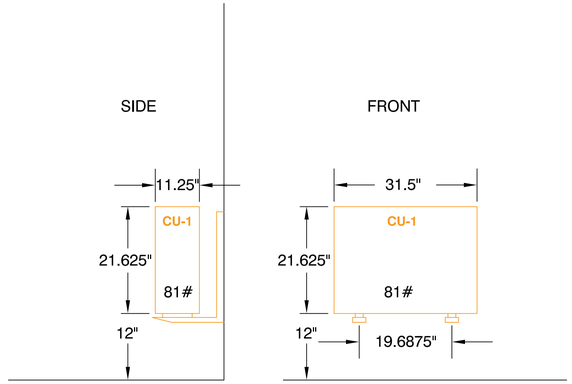
MUST PROVIDE DEPARTMENT OF HEALTH FINAL APPROVAL AT TIME OF CITY FINAL APPROVALS.

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



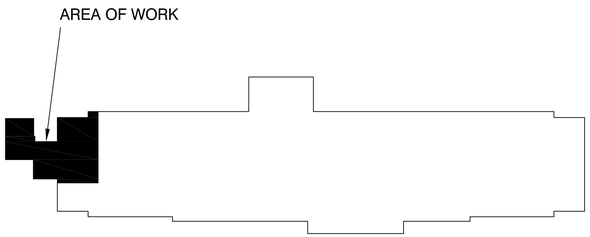

1ST FLR ELEVATOR MECH PLAN
SCALE: 1/8"=1'-0"


UNIT LOCATION
SCALE: NOT TO SCALE




SERVICE COURTYARD UNIT ELEVATIONS

AREA OF WORK



SITE OVERVIEW
SCALE: NOT TO SCALE

## 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.

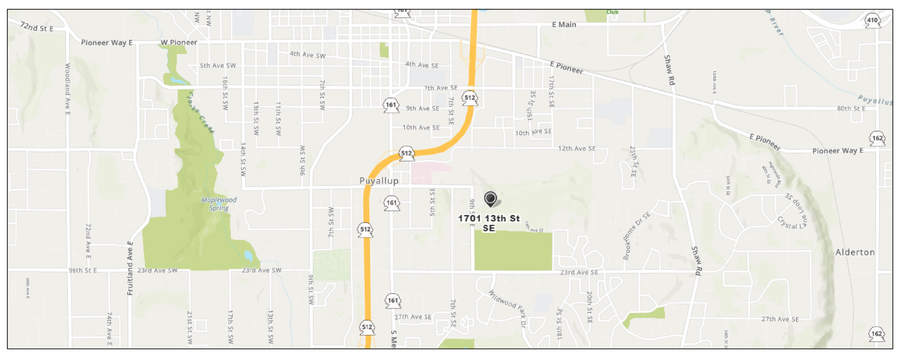
**MECHANICAL CODE: 2018**
**ENERGY CODE: 2018**

## KEY LEGEND AND COMPONENT LIST

| SYMBOL | DESCRIPTION | QTY EXIST / NEW | PART # | MANUFACTOR | 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 |

## 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

B-21-0922

| REVISION | REV. NO. | DATE |
|---|---|---|
| PERMIT SUBMITTAL | 0 | 11/09/21 |

CONTRACTOR:
160 LLC
ELECT- 16DLLL*882JT
PO Box 804 VASHON WA, 98070
253-225-5085

PROPERTY:
LUCKETT HOUSE
MECHANICAL FOR ELEVATOR MODERNIZATION
1701 13TH STREET SE
PUYALLUP, WA 98372

DESIGNER NAME: EVAN ROBBINS

APPROVED BY: ER
DRAWN BY: ER
DATE: 11/09/21
JOB# LUCKETT
DWG. NO.: M-01

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

| | |
|---|---|
| Building | Planning |
| Engineering | Public Works |
| Fire | Traffic |


SATELLITE OVERVIEW
SCALE: NOT TO SCALE

HEAVILY FORESTED GREENBELT

HEAVILY FORESTED GREENBELT

BACK YARD BOUNDRY FENCE

450' TO NEAREST RESIDENCE

CU-1

BACK YARD

BACK YARD

HEAVILY FORESTED GREENBELT

LUCKETT HOUSE 0420344054

SIDE ENTRANCE

FRONT YARD

FRONT ENTRANCE DRIVE

FRONT PARKING

SITE PLAN CLEARANCES
SCALE: 1/8"=1'-0"

B-21-0922

| REVISION | DATE | REV. NO. |
|---|---|---|
| PERMIT SUBMITTAL | 11/09/21 | 0 |

CONTRACTOR:

160 LLC
ELEC#: 160LLL*882JT
PO Box 804 VASHON WA, 98070
253-225-5085

PROPERTY:

**LUCKETT HOUSE**
MECHANICAL FOR ELEVATOR MODERNIZATION
1701 13TH STREET SE
PUYALLUP, WA 98372

DESIGNER NAME: EVAN ROBBINS

APPROVED BY: ER
DRAWN BY: ER
DATE: 11/09/21
JOB# LUCKETT
DWG. NO. : M-02