

Capacity data at conditions and connection ratio (107) as entered

| Name | FCU | Cooling | | | | | | |
|----------------|-------------|----------------|--------|-------------|--------|--|--|--|
| | | Tmp C | Max TC | Tevap °F | Max SC | | | |
| | | °F (DBT/RH) | BTU/h | | BTU/h | | | |
| UV-MS-13 box 1 | EKEXV125-US | n/a | 52,547 | 42.8 | n/a | | | |
| UV-MS-14 box 1 | EKEXV125-US | n/a | 52,547 | 42.8 | n/a | | | |
| UV-MS-16 box 1 | EKEXV125-US | n/a | 52,547 | 42.8 | n/a | | | |
| UV-MS-19 box 1 | EKEXV125-US | n/a | 52,547 | 42.8 | n/a | | | |
| UV-MS-21 box 1 | EKEXV125-US | n/a | 52,547 | 42.8 | n/a | | | |
| UV-MS-22 box 1 | EKEXV125-US | n/a | 52,547 | 42.8 | n/a | | | |

| Name | FCU | Heating | | | |
|----------------|-------------|---------|--------|--|--|
| | | Tmp H | Max HC | | |
| | | °F | | | |
| UV-MS-13 box 1 | EKEXV125-US | n/a | n/a | | |
| UV-MS-14 box 1 | EKEXV125-US | n/a | n/a | | |
| UV-MS-16 box 1 | EKEXV125-US | n/a | n/a | | |
| UV-MS-19 box 1 | EKEXV125-US | n/a | n/a | | |
| UV-MS-21 box 1 | EKEXV125-US | n/a | n/a | | |
| UV-MS-22 box 1 | EKEXV125-US | n/a | n/a | | |

| Name | FCU | Room | Sound dBA | PS | | MOP | WxHxD inch | Weight lbs |
|----------------|-------------|------|--------------|--------|---|-----|------------------|---------------|
| | | | UDA | | Α | 3 | inch | IDS |
| UV-MS-13 box 1 | EKEXV125-US | | - | 12 1ph | | | 8.5 x 15.8 x 3.1 | 6.4 |
| UV-MS-14 box 1 | EKEXV125-US | 6 | - | 12 1ph | | 8 | 8.5 x 15.8 x 3.1 | 6.4 |
| UV-MS-16 box 1 | EKEXV125-US | 6 | - | 12 1ph | | | 8.5 x 15.8 x 3.1 | 6.4 |
| UV-MS-19 box 1 | EKEXV125-US | | - | 12 1ph | | | 8.5 x 15.8 x 3.1 | 6.4 |
| UV-MS-21 box 1 | EKEXV125-US | | - | 12 1ph | | | 8.5 x 15.8 x 3.1 | 6.4 |
| UV-MS-22 box 1 | EKEXV125-US | | - | 12 1ph | | | 8.5 x 15.8 x 3.1 | 6.4 |

Outdoor unit placed 12.0ft above the indoor units.

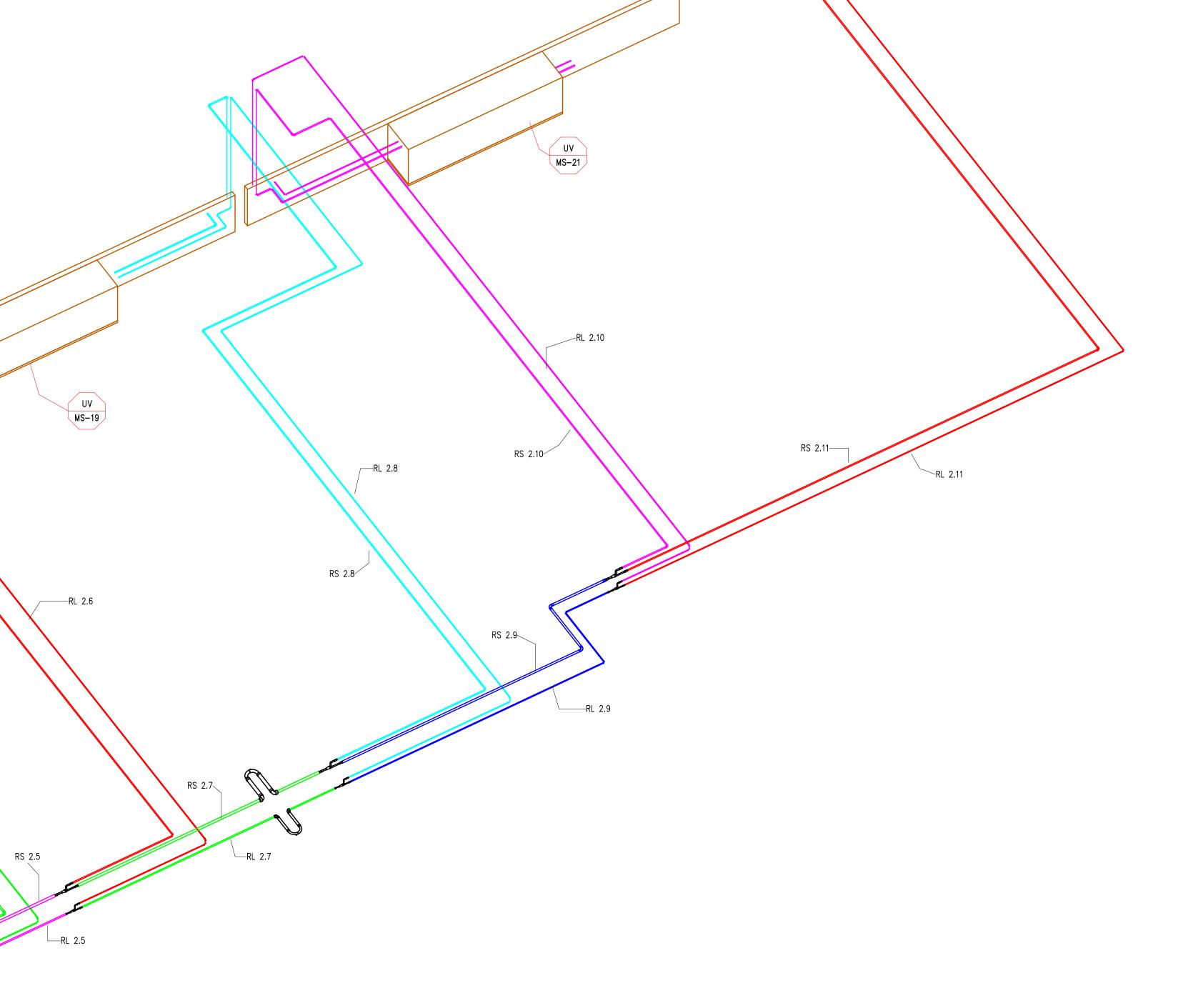
HP-MS-4 - RXYQ288AATJA = RXYQ144AATJA + RXYQ144AATJA

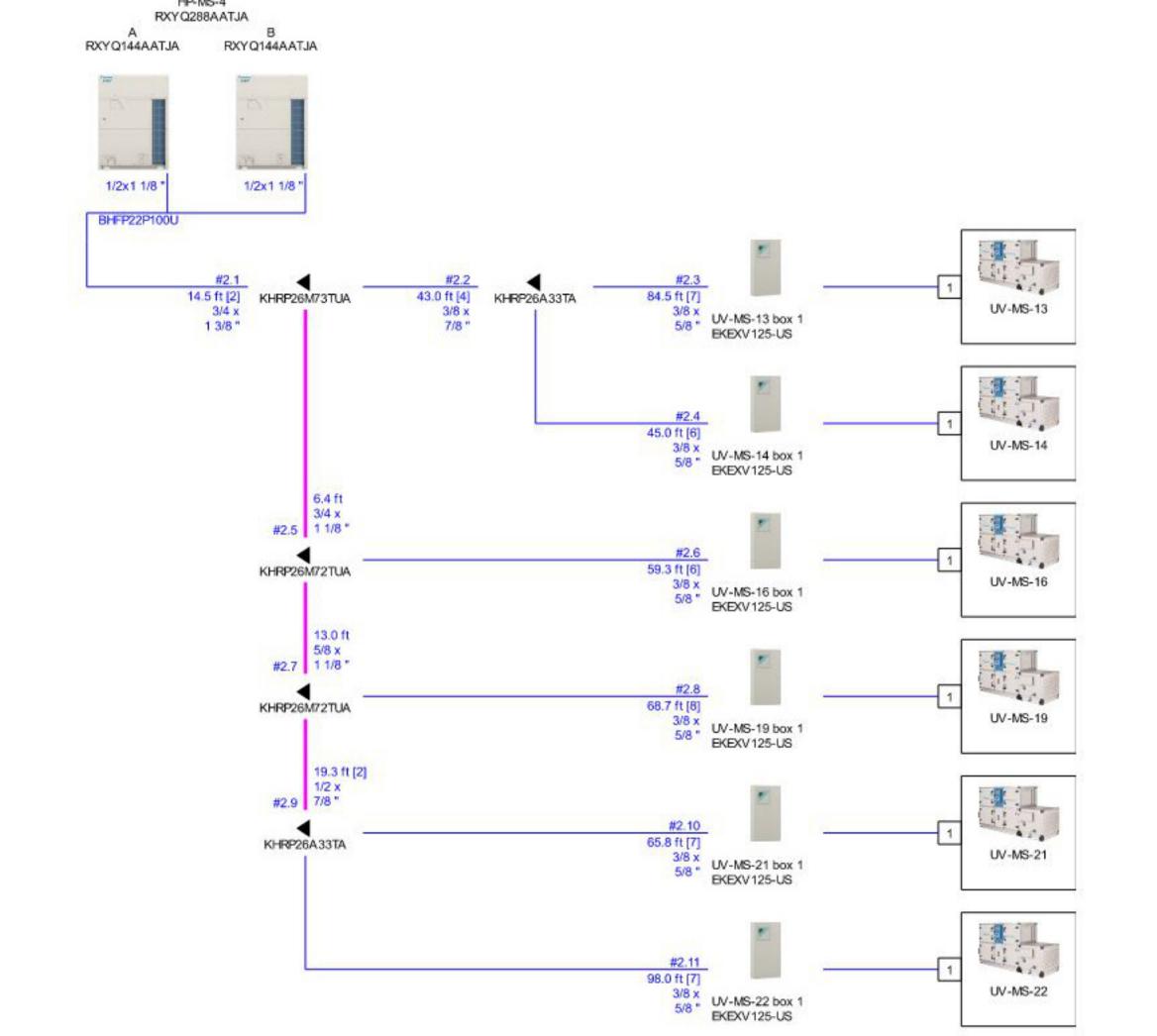
| Model | Quantity | Description | | | |
|---------------|----------|--|--|--|--|
| RXYQ144AATJA | 2 | VRV EMERION (208-230V) (VRV EMERION (208-230V)) | | | |
| EKEXV125-US | 6 | AHU INTEGRATION VALVE KIT | | | |
| KHRP26A33TA | 2 | Refnet branch piping kit | | | |
| KHRP26M72TUA | 2 | Refnet branch piping kit | | | |
| KHRP26M73TUA | 1 | Refnet branch piping kit | | | |
| BHFP22P100U | 1 | Outdoor Multi Connection Pipe Kit - VRV P Series HP (Obsolete) | | | |
| BRC1E73 | 6 | new Navigation Remote Controller | | | |
| EKEQMCBAV3-US | 6 | AHU Kit Z-Control box | | | |

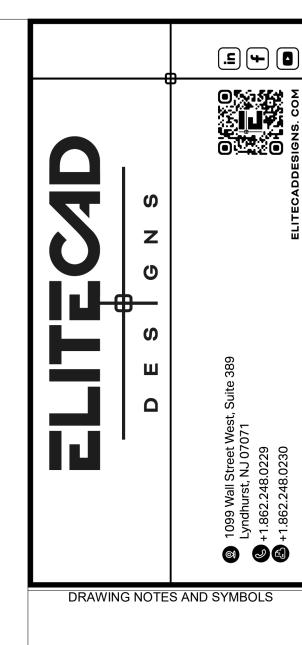
| Piping Liquid ft | Liquid | Suction | Total |
|------------------|--------|---------|-------|
| | | ft | ft |
| 3/8" | 464.3 | 0.0 | 464.3 |
| 1/2" | 19.3 | 0.0 | 19.3 |
| 5/8" | 13.0 | 421.3 | 434.3 |
| 3/4" | 20.9 | 0.0 | 20.9 |
| 7/8" | 0.0 | 43.0 | 43.0 |
| 1" | 0.0 | 19.3 | 19.3 |
| 1 1/4" | 0.0 | 19.4 | 19.4 |
| 1 3/8" | 0.0 | 14.5 | 14.5 |

Refrigerant information

| Refrigerant type | GWP | Base charge lbs | Extra charge lbs | Total refrigerant charge lbs | Total CO2 equivalent tonnes |
|------------------|--------|--------------------|---------------------|------------------------------------|-----------------------------------|
| R410A | 2087.5 | 51.59 | 31.80*) | 83.39 | 78.96 |







| | REFERENCE | DRAW | INGS | | | |
|--|---|--|--|---|-------------------------|--|
| TRADE | DESCRIPT | ION | | DATE | REV | |
| MECH PIPE | - | | | - | - | |
| MECH DETAILS | - | | | - | - | |
| HVAC | - | | | - | - | |
| PLUMBING | - | | | - | - | |
| ELECTRICAL | - | | | - | - | |
| STRUCTURAL | - | | | | 1 | |
| ARCHITECTURAL | - | | | | - | |
| RCP | | | | - | - | |
| RE | CORD OF TRADI | E COO | RDINA | NOITA | | |
| TRADE | COMPANY | DATE | AUTHOR | RIZED SIGNATURE | | |
| PIPE FITTER | | | | | | |
| SHEET METAL | | | | | | |
| PLUMBER | | | | | | |
| SPRINKLER | | | | | | |
| ELECTRICIAN | | | | | | |
| MECHANICAL CONT | | | | | | |
| GENERAL CONT | | | | | | |
| ENGINEER | | | | | | |
| | COORDINAT | TION N | OTE | | | |
| ERRORS BASED OF ARE MAI INFORMATION THAT CONDITION INFORMATION INFO | AD DESIGNS SHALL NOT BE LIAE OR DELAYS THAT MAY RESULT IN THE INFORMATION PROVIDED DE AT A MOMENT IN TIME AND O MOMENT OF LITE CAD DESIG ATION APPEARING ON THIS SHE IN AVAILABLE, ELITE CAD DESIG OTUAL, AND IN ANY EVENT THE | FROM DECI ON THESE ONLY GIVE M F LOCATION. NS DIS ET WAS PRI EN'S ATTENT DWN ON THE | ISIONS MAD DRAWINGS IEASUREME - SCLAII EPARED FR FION IS CAL E SHEET AR | MEASURE OM THE BE LED TO THI E STIMAT | EST E FACT ED AND | |

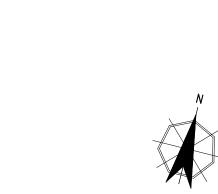


VERIFY THAT LINE ABOVE IS 1" LONG, PRINT MAY HAVE BEEN REDUCED

REV DATE DESCRIPTION

0 01/18/2024 SUBMITTED FOR APPROVAL

1 01/22/2024 DAIKIN VRF & MATERIALS ADDED



KSQ Design Sage Engineering Associates Barr Middle School
50 Blauvelt Rd #1
Nanuet, NY 10954

REFRIGERANT LENGTHS
OVERALL DIAGRAM

MC PRO MGT MM JOB NO
MC SCALE DWG NO
MP-HP-MS-4 1