

DRAWING NOTES AND SYMBOLS

REFERENCE DRAWINGS			
TRADE	DESCRIPTION	DATE	REV
MECHANICAL			
ELECTRICAL			
PLUMBING			
MECHANICAL			
ELECTRICAL			
PLUMBING			
MECHANICAL			
ELECTRICAL			
PLUMBING			

RECORD OF TRADE COORDINATION			
TRADE	COMPANY	DATE	AUTHORIZED SIGNATURE
MECHANICAL			
ELECTRICAL			
PLUMBING			
MECHANICAL			
ELECTRICAL			
PLUMBING			

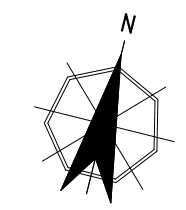
COORDINATION NOTE			
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ARCHITECT / ENGINEER NOTES:

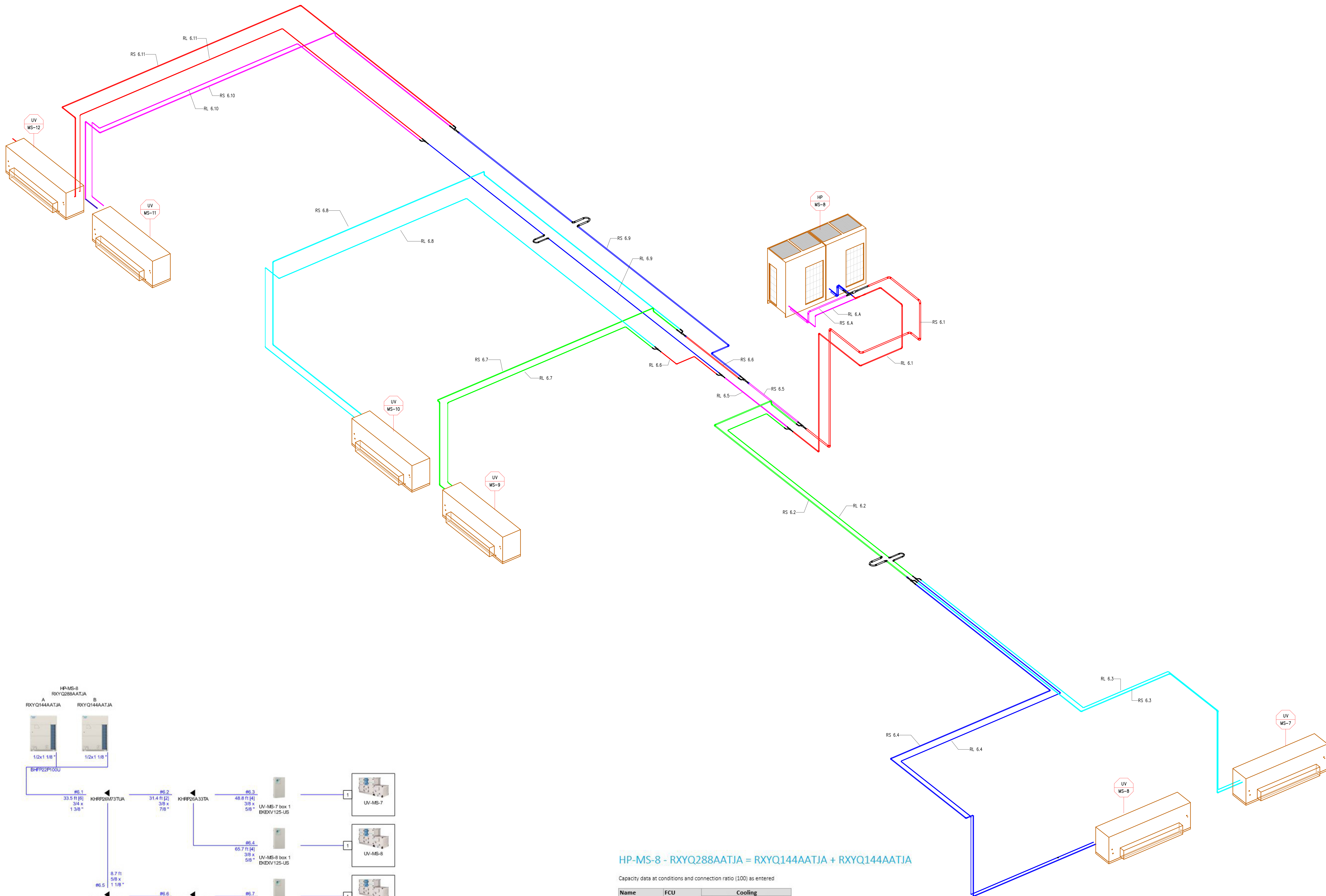
FOR APPROVAL

REV	DATE	DESCRIPTION
0	01/18/2024	SUBMITTED FOR APPROVAL
1	01/22/2024	DAKIN VRF & MATERIALS ADDED

KEY PLAN



ARCH	KSQ Design
ENG	Sage Engineering Associates
PROJECT	50 Blaine Rd #1 Lynchburg, VA 23801
TITLE	REFRIGERANT LENGTHS OVERALL DIAGRAM
DATE	01/18/2024
SCALE	1"=10'
REVISION	MP-HP-MS-8
BY	1



HP-MS-8 - RXYQ288AATJA = RXYQ144AATJA + RXYQ144AATJA

Capacity data at conditions and connection ratio (100) as entered

Name	FCU	Cooling			
		Temp C (DBT/RH)	Max TC BTU/h	Evap BTU/h	Max SC BTU/h
UV-MS-10 box 1	EKEKV125-US	n/a	52,547	42.8	n/a
UV-MS-11 box 1	EKEKV125-US	n/a	52,547	42.8	n/a
UV-MS-12 box 1	EKEKV125-US	n/a	52,547	42.8	n/a
UV-MS-7 box 1	EKEKV125-US	n/a	52,547	42.8	n/a
UV-MS-8 box 1	EKEKV125-US	n/a	52,547	42.8	n/a
UV-MS-9 box 1	EKEKV125-US	n/a	52,547	42.8	n/a

Name	FCU	Heating	
		Temp H BTU/h	Max HC BTU/h
UV-MS-10 box 1	EKEKV125-US	n/a	n/a
UV-MS-11 box 1	EKEKV125-US	n/a	n/a
UV-MS-12 box 1	EKEKV125-US	n/a	n/a
UV-MS-7 box 1	EKEKV125-US	n/a	n/a
UV-MS-8 box 1	EKEKV125-US	n/a	n/a
UV-MS-9 box 1	EKEKV125-US	n/a	n/a

Name	FCU	Room	Sound dBA	PS	MCA MOP A	WxHxD inch	Weight lbs
UV-MS-10 box 1	EKEKV125-US	-	12	1ph		8.5 x 15.8 x 3.1	6.4
UV-MS-11 box 1	EKEKV125-US	-	12	1ph		8.5 x 15.8 x 3.1	6.4
UV-MS-12 box 1	EKEKV125-US	-	12	1ph		8.5 x 15.8 x 3.1	6.4
UV-MS-7 box 1	EKEKV125-US	-	12	1ph		8.5 x 15.8 x 3.1	6.4
UV-MS-8 box 1	EKEKV125-US	-	12	1ph		8.5 x 15.8 x 3.1	6.4
UV-MS-9 box 1	EKEKV125-US	-	12	1ph		8.5 x 15.8 x 3.1	6.4

Outdoor unit placed 25.0ft above the indoor units.

HP-MS-8 - RXYQ288AATJA = RXYQ144AATJA + RXYQ144AATJA

Model	Quantity	Description
RXYQ144AATJA	2	VRV EMERION (208-230V) (VRV EMERION (208-230V))
EKEKV125-US	6	AHU INTEGRATION VALVE KIT
KHRP26A33TA	3	Refnet branch piping kit
KHRP26M72TUA	1	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
EKEQMCAV3-US	6	AHU Kit Z-Control box

Piping	Liquid ft	Suction ft	Total ft
3/8"	411.4	0.0	411.4
5/8"	8.7	33.3	342.0
3/4"	33.5	0.0	33.5
7/8"	0.0	78.1	78.1
1 1/8"	0.0	8.7	8.7
1 3/8"	0.0	33.5	33.5

Refrigerant information

Refrigerant type	GWP	Base charge lbs	Extra charge lbs	Total refrigerant charge lbs	Total CO2 equivalent tonnes
R410A	2087.5	51.59	29.83*	81.42	77.09