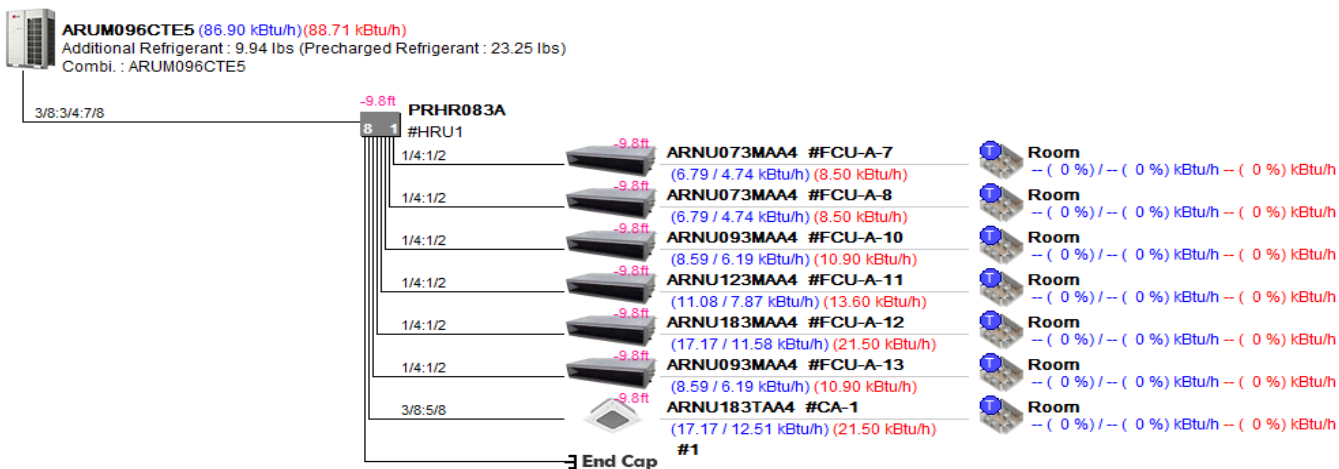


System Tree Diagram

System Name: A

System No : 1/3

Date: 2025-09-09



** : Main pipe upsized
 ** : Conditional Application
Three pipe : Liquid : High Gas : Low Gas
Two pipe : Liquid : Gas

T Thermostat, G Group Control, D Dry Contact, E EEV Kit for Multi V Indoor
 S AHU Comm. Kit [Discharge (supply) air], R AHU Comm. Kit [Return air]
 M AHU Comm. Kit [Main module], C AHU Comm. Kit [Communications module]

Indoor Units	: 7 of 16
Combination Ratio	: 80.0 of 96.0 (83%)
Total Pipe	: 118.9 of 3280.8 ft
ODU factory charge	: 23.25 lbs
Additional Refrigerant	: 9.94 lbs
Total refrigerant	: 33.19 lbs
Minimum room volume	: 1276.48 ft³
(Based on 26.0 lbs / 1000.0 ft³)	

System Schematic Diagram

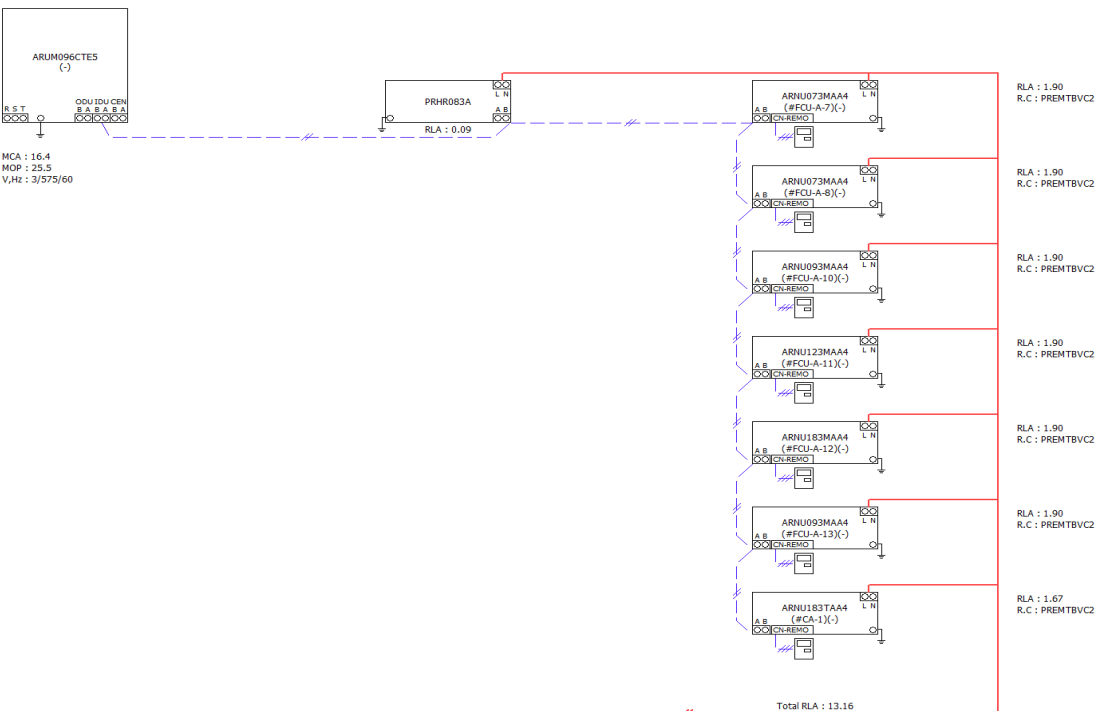
System Name: A

System No : 1/3

Date: 2025-09-09

- Power line(Outdoor unit)
- Power line(Indoor unit / HR unit)
- Communication line (ODU-IDU / ODU-ODU) : Twisted, Stranded and shielded AWG 18 x 2C
- Communication line (ODU-CEN) : Twisted, Stranded and shielded AWG 18 x 2C
- Communication line(Remote controller) : Twisted and stranded AWG 22 x 3C
- Communication line(EEV lead wire)
- Ground shield wire at ODU only

Note : Polarity matters. Always connect 'A' to 'A' and 'B' to 'B'



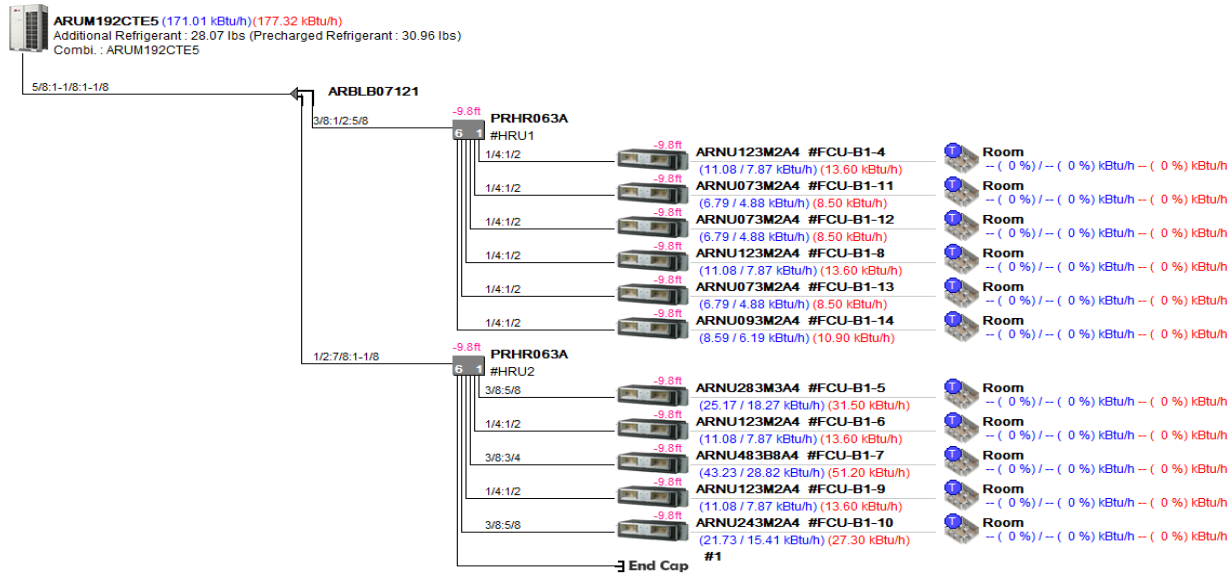
Note :
Power wiring, breaker size, and disconnects should follow local code and NEC.
Multi-frame outdoor units require a separate power connection for each frame.
Refer to the most up-to-date submittal sheets for applicable electrical data.

System Tree Diagram

System Name: B1

System No : 2/3

Date: 2025-09-09



* : Main pipe upsized.
** : Conditional Application
Three pipe : Liquid : High Gas : Low Gas
Two pipe : Liquid : Gas

Thermostat, Group Control, Dry Contact, EEV Kit for Multi V Indoor
 AHU Comm. Kit [Discharge (supply) air], AHU Comm. Kit [Return air]
 AHU Comm. Kit [Main module], AHU Comm. Kit [Communications module]

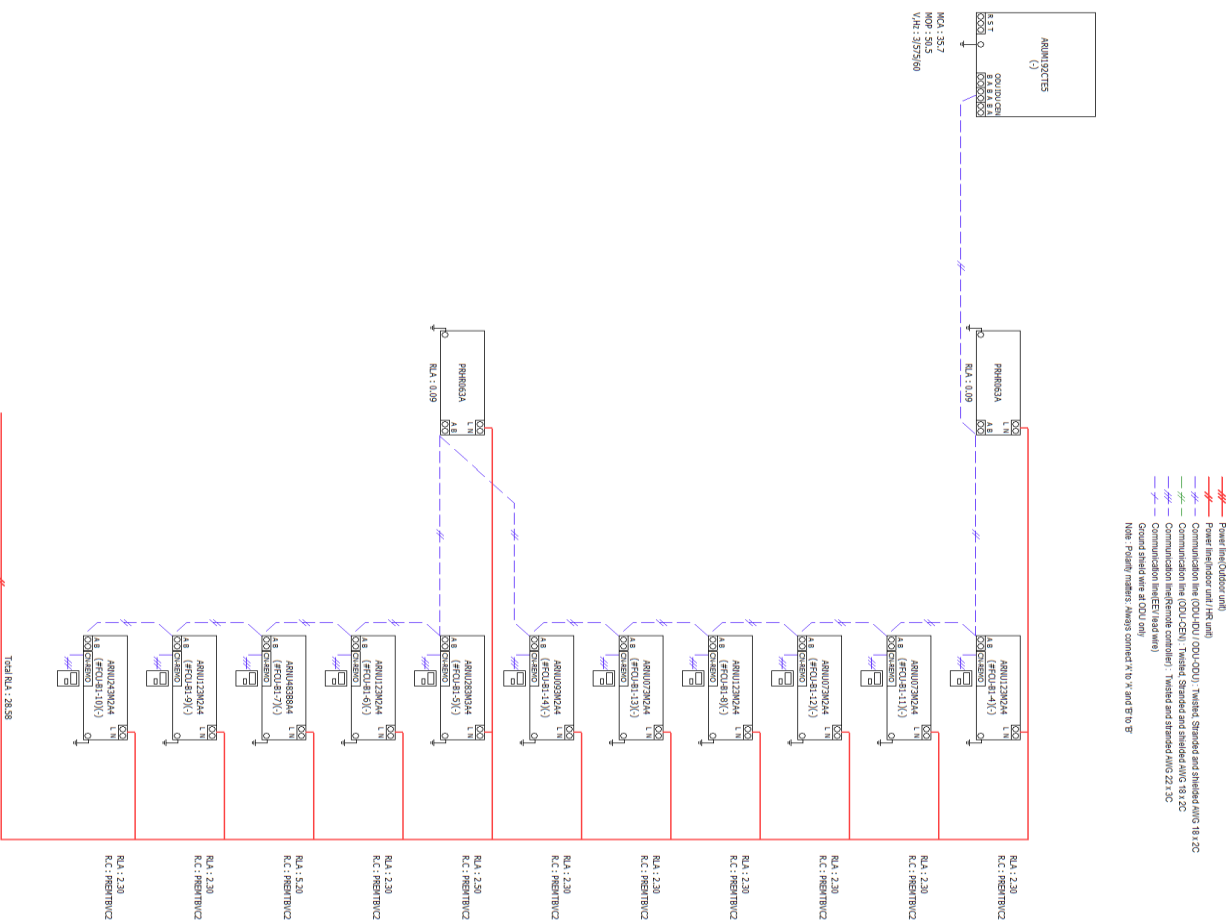
Indoor Units : 11 of 32
Combination Ratio : 178.0 of 192.0 (93%)
Total Pipe : 233.3 of 3280.8 ft
ODU factory charge : 30.96 lbs
Additional Refrigerant : 28.07 lbs
Total refrigerant : 59.04 lbs
Minimum room volume : 2270.58 ft³
(Based on 26.0 lbs / 1000.0 ft³)

System Schematic Diagram

System Name: B1

Date: 2025-09-09

System No : 2/3



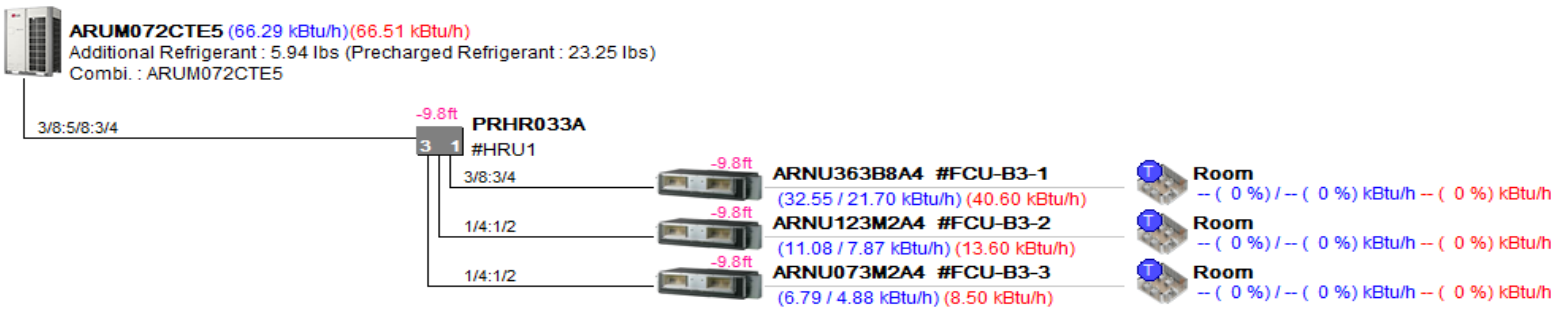
Note :
Power wiring, breaker size, and disconnects should follow local code and NEC. Multi-frame outdoor units require a separate power connection for each frame. Refer to the most up-to-date submittal sheets for applicable electrical data.

System Tree Diagram

System Name: B3

System No : 3/3

Date: 2025-09-09



* : Main pipe upsized
** : Conditional Application
Three pipe : Liquid : High Gas : Low Gas
Two pipe : Liquid : Gas

T Thermostat, **G** Group Control, **D** Dry Contact, **E** EEV Kit for Multi V Indoor
S AHU Comm. Kit [Discharge (supply) air], **R** AHU Comm. Kit [Return air]
M AHU Comm. Kit [Main module], **C** AHU Comm. Kit [Communications module]

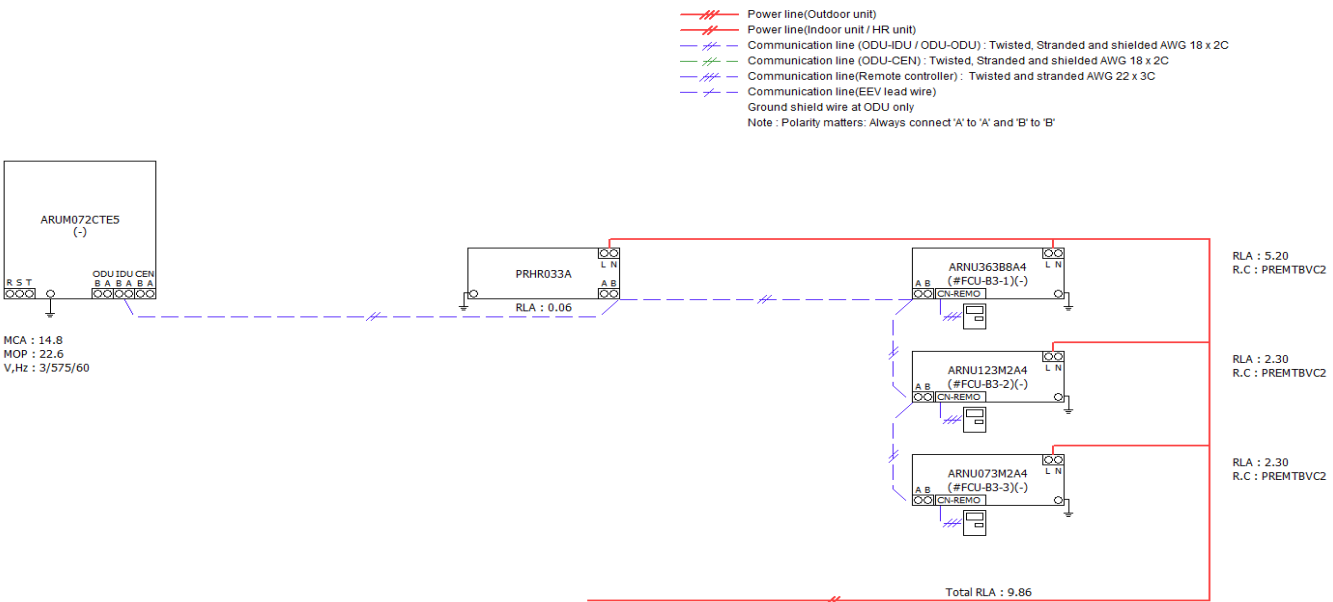
Indoor Units : 3 of 13
Combination Ratio : 55.0 of 72.0 (76%)
Total Pipe : 39.4 of 3280.8 ft
ODU factory charge : 23.25 lbs
Additional Refrigerant : 5.94 lbs
Total refrigerant : 29.19 lbs
Minimum room volume : 1122.83 ft³
(Based on 26.0 lbs / 1000.0 ft³)

System Schematic Diagram

System Name: B3

System No : 3/3

Date: 2025-09-09



Note :
Power wiring, breaker size, and disconnects should follow local code and NEC.
Multi-frame outdoor units require a separate power connection for each frame.
Refer to the most up-to-date submittal sheets for applicable electrical data.

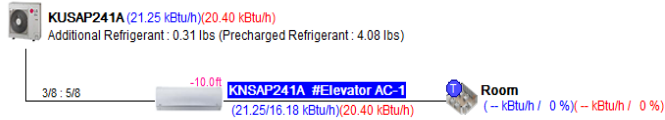
System Tree Diagram

System Name: Electrical Room (CU-1)

Date: 2025-09-09

System No : 1/2

Electrical Room (CU-1)



Two pipe : Liquid : Gas

Thermostat, Group Control, Dry Contact

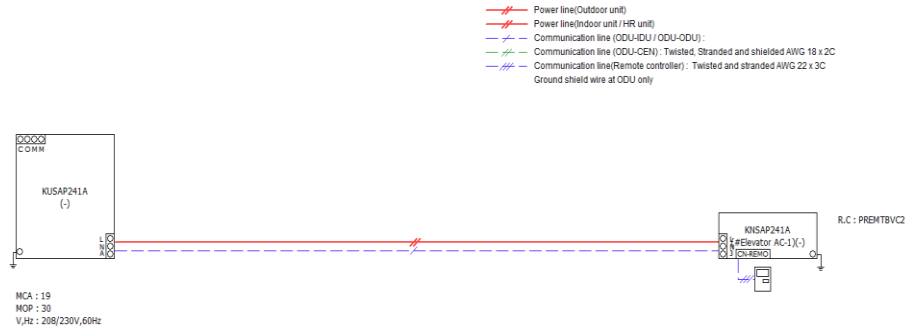
Indoor Units : 1 of 1
Combination Ratio : 24 of 24 (100%)
Total Pipe : 40 of 164 ft

System Schematic Diagram

System Name: Electrical Room (CU-1)

Date: 2025-09-09

System No : 1/2



Power wiring, breaker size, and disconnects should follow local code or NEC.

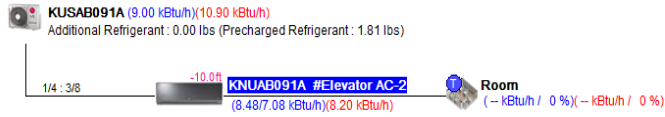
System Tree Diagram

System Name: Elevator Room (CU-2)

Date: 2025-09-09

System No : 2/2

Elevator Room (CU-2)



Two pipe : Liquid : Gas

Thermostat, Group Control, Dry Contact

Indoor Units : 1 of 1
Combination Ratio : 9 of 9 (100%)
Total Pipe : 40 of 82 ft

System Schematic Diagram

System Name: Elevator Room (CU-2)

Date: 2025-09-09

System No : 2/2



Power wiring, breaker size, and disconnects should follow local code or NEC.