

Project Name: Městský úřad Sokolov – klimatizace

Created Date: 08.07.2024

Client Name: Město Sokolov

Prepared By:

Ing. Milan Snopek

Project Ref No:

Project Ref Text:

Project Revision:



| | |
|----------|--------------------------|
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| | |
| | Sokolov |

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| Project Name: | Městský úřad Sokolov – klimatizace |
| Quote No: | 0 |
| Quote Ref: | |
| Revision: | 0 |

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| Contact: | |
| Tel: | |
| Email: | |
| Address: | |
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| Prepared By: | Ing. Milan Snopek |
| Project Ref No: | |
| Project Ref Text: | |
| Project Revision: | |

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| Comment: | |
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Městský úřad Sokolov – klimatizace

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Project: Městský úřad Sokolov – klimatizace

Notes:

Equivalent length is calculated by coefficients:
1,0:1.S

The user is responsible for ensuring that all data entered is correct.

Equipment selections have been based on the Design Guidelines stated within the Toshiba SHRM-A/SMMS-u/SMMS-e/SHRM-e/MiNi-SMMS-e/Side Blow VRF Installation Manual.

It is the responsibility of the consultant or contractor, to verify and confirm that the equipment selection and system design is correct before installation.

Please note that in the event of future system expansion being allowed for in the system design or a change in cooling/heating requirements, a re-evaluation of the air conditioning system must be made prior to final installation.

1.S:

Městský úřad Sokolov – klimatizaceOutdoor Units

| Model | Quantity | Description |
|------------------|----------|---|
| MCY-MHP1006HS8-E | 1 | MiNi Super Modular Multi System (MiNi-SMMS-e)(8,10HP) |

Indoor Units

| Model | Quantity | Description |
|-----------------|----------|--------------------------|
| MMK-AP0057HP-E | 8 | 0,6HP High Wall Compact |
| MMK-AP0077HP-E | 1 | 0,8HP High Wall Compact |
| MMK-AP0094MH1-E | 3 | 1,0HP High Wall Compact |
| MMK-AP0097HP-E | 1 | 1,0HP High Wall Compact |
| MMK-AP0127HP-E | 1 | 1,25HP High Wall Compact |

Y Joints

| Model | Quantity | Description |
|------------|----------|-------------|
| RBM-BY55E | 12 | Y-Joint |
| RBM-BY105E | 1 | Y-Joint |

Accessories

| Model | Quantity | Description |
|---|----------|--------------------------------|
| TCB-PCMO4E (External master ON/OFF control) | 1 | External master ON/OFF control |
| TCB-PCDM4E (Power peak-cut Control) | 1 | Power peak-cut Control |

Piping Length

| Pipe Diameter | Total Length | Gas Side | Discharge Side | Liquid Side |
|---------------|--------------|----------|----------------|-------------|
| 6,4mm | 36,20 m | 0,00 m | 0,00 m | 36,20 m |
| 9,5mm | 105,89 m | 36,20 m | 0,00 m | 69,69 m |
| 12,7mm | 14,70 m | 14,70 m | 0,00 m | 0,00 m |
| 15,9mm | 35,99 m | 35,99 m | 0,00 m | 0,00 m |
| 22,2mm | 19,00 m | 19,00 m | 0,00 m | 0,00 m |

Total Refrigerant Charge Amount

| Refrigerant (R410A) | Amount | Description |
|------------------------|------------------|---|
| Outdoor Unit | 4,400 kg | Refrigerant amount charged in factory |
| Additional Refrigerant | 7,938 kg | Amount needed for the pipes at the site |
| TOTAL: | 12,338 kg | |

Outdoor Design Temperature

| System | Mode | Description | Temperature |
|--------|---------|----------------------|-------------|
| 1.S | Cooling | Dry Bulb temperature | 30,0 °C |
| | Heating | Wet Bulb temperature | 6,0 °C |

Městský úřad Sokolov – klimatizace Compliance

1.S

| Rules | Specification | Design | Ok |
|---|------------------|-------------|----|
| Outdoor Units | - | 1 Unit | ✓ |
| Indoor Units (Control Boards) | 16 Unit | 14 Unit | ✓ |
| Outdoor Combined Rated HP | - | 10,0 HP | ✓ |
| Outdoor Combined Rated Cooling | - | 28,00 kW | ✓ |
| Outdoor Combined Rated Heating | - | 28,00 kW | ✓ |
| Indoor Combined Rated Cooling | - | 30,60 kW | ✓ |
| Indoor Combined Corrected Cooling | - | 26,87 kW | ✓ |
| Indoor Combined Rated Heating | - | 34,50 kW | ✓ |
| Indoor Combined Corrected Heating | - | 26,96 kW | ✓ |
| Indoor Units Combined Capacity Code | - | 10,85 | ✓ |
| Outdoor Combined Capacity Code | - | 10,0 | ✓ |
| Outdoor DB (Cooling) temperature range | -5,0°C - 46,0°C | 30,0°C | ✓ |
| Outdoor WB (Heating) temperature range | -20,0°C - 15,5°C | 6,0°C | ✓ |
| Indoor DB (Cooling) temperature range | 18,0°C - 32,0°C | 24,0°C | ✓ |
| Indoor WB (Cooling) temperature range | 15,0°C - 24,0°C | 19,0°C | ✓ |
| Indoor RH (Cooling) range | 20% - 80% | 62% | ✓ |
| Indoor DB (Heating) temperature range | 15,0°C - 28,0°C | 20,0°C | ✓ |
| Capacity Ratio | 80 - 110% | 108,5 % | ✓ |
| Total Pipe Length | 300,00 m | 105,89 m | ✓ |
| Farthest Piping Real Length | 150,00 m | 50,30 m | ✓ |
| Farthest Piping Equivalent Length | 180,00 m | 50,30 m | ✓ |
| Farthest Piping From 1st Indoor Branching Equivalent Length | 40,00 m | 31,30 m | ✓ |
| Main Piping Equivalent Length(L1e) | 80,00 m | 19,00 m | ✓ |
| Greatest Indoor Unit Connecting Piping Real Length | 15,00 m | 5,50 m | ✓ |
| Highest Indoor Unit | 30,00 m | 0,00 m | ✓ |
| Lowest Indoor Unit | 50,00 m | 0,00 m | ✓ |
| Greatest Height Between Indoor and Outdoor Units(H1) | - | 0,00 m | ✓ |
| Greatest Height Difference Between Indoor Units(H2) | 15,00 m | 0,00 m | ✓ |
| Limit Density | 0,390 kg/m³ | 0,386 kg/m³ | ✓ |
| Additional Charge | - | 7,938 kg | ✓ |
| Total Charge | - | 12,338 kg | ✓ |
| Central Control | | | ✓ |

Overall

✓

1.S

Outdoor Units

| Model | Quantity | Description |
|------------------|----------|---|
| MCY-MHP1006HS8-E | 1 | MiNi Super Modular Multi System (MiNi-SMMS-e)(8,10HP) |

Indoor Units

| Model | Quantity | Description |
|-----------------|----------|--------------------------|
| MMK-AP0057HP-E | 8 | 0,6HP High Wall Compact |
| MMK-AP0077HP-E | 1 | 0,8HP High Wall Compact |
| MMK-AP0094MH1-E | 3 | 1,0HP High Wall Compact |
| MMK-AP0097HP-E | 1 | 1,0HP High Wall Compact |
| MMK-AP0127HP-E | 1 | 1,25HP High Wall Compact |

Y Joints

| Model | Quantity | Description |
|------------|----------|-------------|
| RBM-BY55E | 12 | Y-Joint |
| RBM-BY105E | 1 | Y-Joint |

Accessories

| Model | Quantity | Description |
|------------|----------|--------------------------------|
| TCB-PCMO4E | 1 | External master ON/OFF control |
| TCB-PCDM4E | 1 | Power peak-cut Control |

Piping Length

| Pipe Diameter | Total Length | Gas Side | Discharge Side | Liquid Side |
|---------------|--------------|----------|----------------|-------------|
| 6,4mm | 36,20 m | 0,00 m | 0,00 m | 36,20 m |
| 9,5mm | 105,89 m | 36,20 m | 0,00 m | 69,69 m |
| 12,7mm | 14,70 m | 14,70 m | 0,00 m | 0,00 m |
| 15,9mm | 35,99 m | 35,99 m | 0,00 m | 0,00 m |
| 22,2mm | 19,00 m | 19,00 m | 0,00 m | 0,00 m |

Total Refrigerant Charge Amount

| Refrigerant (R410A) | Amount | Description |
|------------------------|------------------|---|
| Outdoor Unit | 4,400 kg | Refrigerant amount charged in factory |
| Additional Refrigerant | 7,938 kg | Amount needed for the pipes at the site |
| TOTAL: | 12,338 kg | |

Outdoor Design Temperature

| Mode | Description | Temperature |
|---------|----------------------|-------------|
| Cooling | Dry Bulb temperature | 30,0 °C |
| Heating | Wet Bulb temperature | 6,0 °C |

Electrical Information(OutdoorUnits)

| Property | Value | Description |
|--|-------|--|
| MOCP(A) | 25 | Maximum Overcurrent Protection |
| MCA(A) | 20 | Minimum Circuit Amps |
| Protection Device Size(A) | | Follow applicable local standard as needed |
| Wire(cable size)(mm ²) or AWG(#) | | Follow applicable local standard as needed |

Electrical Information(IndoorUnits)

| Property | Value | Description |
|---------------------------|-------|--|
| Total MCA(A) | 3,07 | |
| Protection Device Size(A) | | Follow applicable local standard as needed |

Electrical Information(IndoorUnits)

| Property | Value | Description |
|---------------------------------|-------|--|
| Wire(cable size)(mm²) or AWG(#) | | Follow applicable local standard as needed |

1.S

Outdoor Unit

| Model Name | Cooling (kW) | | Heating (kW) | | Diversity | |
|------------------|--------------|-----------|--------------|-----------|-----------|----------|
| | Rated | Corrected | Rated | Corrected | System | Building |
| MCY-MHP1006HS8-E | 28,00 | 26,87 | 28,00 | 26,96 | 108,5% | 0% |

Outdoor Unit Combination

| Header | Follower1 | Follower2 | Follower3 | Follower4 |
|------------------|-----------|-----------|-----------|-----------|
| MCY-MHP1006HS8-E | | | | |

Indoor Units

| Model Name | UnitName &Room | Capacity Code | Fan Speed Air flow (m³/h) | Capacity (Total/Sensible) [kW] | | | |
|-----------------|-------------------|------------------|------------------------------|--------------------------------|-----------|-----------|-----------|
| | | | | Mode | Rated | Corrected | Required |
| MMK-AP0094MH1-E | S066 | 1 | High 510 | Cooling | 2,80/2,10 | 2,46/1,75 | 2,18/1,75 |
| | | | | Heating | 3,20 | 2,50 | 0,00 |
| MMK-AP0077HP-E | S067 | 0,8 | High 480 | Cooling | 2,20/1,70 | 1,93/1,42 | 1,69/1,40 |
| | | | | Heating | 2,50 | 1,95 | 0,00 |
| MMK-AP0057HP-E | S067a | 0,6 | High 455 | Cooling | 1,70/1,50 | 1,49/1,25 | 0,66/0,45 |
| | | | | Heating | 1,90 | 1,48 | 0,00 |
| MMK-AP0057HP-E | S02 | 0,6 | High 455 | Cooling | 1,70/1,50 | 1,49/1,25 | 1,26/1,00 |
| | | | | Heating | 1,90 | 1,48 | 0,00 |
| MMK-AP0057HP-E | S01 | 0,6 | High 455 | Cooling | 1,70/1,50 | 1,49/1,25 | 1,07/0,90 |
| | | | | Heating | 1,90 | 1,48 | 0,00 |
| MMK-AP0057HP-E | S01a | 0,6 | High 455 | Cooling | 1,70/1,50 | 1,49/1,25 | 0,95/0,80 |
| | | | | Heating | 1,90 | 1,48 | 0,00 |
| MMK-AP0057HP-E | S03 | 0,6 | High 455 | Cooling | 1,70/1,50 | 1,49/1,25 | 0,99/0,70 |
| | | | | Heating | 1,90 | 1,48 | 0,00 |
| MMK-AP0057HP-E | S016 | 0,6 | High 455 | Cooling | 1,70/1,50 | 1,49/1,25 | 0,62/0,45 |
| | | | | Heating | 1,90 | 1,48 | 0,00 |
| MMK-AP0057HP-E | S017 | 0,6 | High 455 | Cooling | 1,70/1,50 | 1,49/1,25 | 0,94/0,75 |
| | | | | Heating | 1,90 | 1,48 | 0,00 |
| MMK-AP0094MH1-E | S014 | 1 | High 510 | Cooling | 2,80/2,10 | 2,46/1,75 | 2,03/1,75 |
| | | | | Heating | 3,20 | 2,50 | 0,00 |
| MMK-AP0094MH1-E | S0666 | 1 | High 510 | Cooling | 2,80/2,10 | 2,46/1,75 | 2,18/1,75 |
| | | | | Heating | 3,20 | 2,50 | 0,00 |
| MMK-AP0057HP-E | S020 | 0,6 | High 455 | Cooling | 1,70/1,50 | 1,49/1,25 | 1,05/0,80 |
| | | | | Heating | 1,90 | 1,48 | 0,00 |
| MMK-AP0127HP-E | S011 | 1,25 | High 540 | Cooling | 3,60/2,50 | 3,16/2,08 | 2,21/1,90 |
| | | | | Heating | 4,00 | 3,13 | 0,00 |
| MMK-AP0097HP-E | S012 | 1 | High 510 | Cooling | 2,80/2,00 | 2,46/1,67 | 1,64/1,65 |
| | | | | Heating | 3,20 | 2,50 | 0,00 |

Floor Information

| Floors | Room Name | Indoor Units | | | Design Conditions | | |
|--------|-----------|--------------|----------------|---------|-------------------|--------|-------|
| | | Name | Model | Mode | DB[°C] | WB[°C] | RH[%] |
| 1.S | S01 | | MMK-AP0057HP-E | Cooling | 24,0 | 19,0 | 62,00 |
| | | | | Heating | 20,0 | | |
| | S01a | | MMK-AP0057HP-E | Cooling | 24,0 | 19,0 | 62,00 |
| | | | | Heating | 20,0 | | |
| | S02 | | MMK-AP0057HP-E | Cooling | 24,0 | 19,0 | 62,00 |
| | | | | Heating | 20,0 | | |
| | S03 | | MMK-AP0057HP-E | Cooling | 24,0 | 19,0 | 62,00 |
| | | | | Heating | 20,0 | | |
| | | | | Cooling | 24,0 | 19,0 | 62,00 |
| | | | | Heating | 20,0 | | |

Floor Information

| Floors | Room Name | Indoor Units | | Mode | Design Conditions | | |
|--------|-----------|--------------|-----------------|---------|-------------------|--------|-------|
| | | Name | Model | | DB[°C] | WB[°C] | RH[%] |
| | S011 | | MMK-AP0127HP-E | Cooling | 24,0 | 19,0 | 62,00 |
| | | | | Heating | 20,0 | | |
| | S012 | | MMK-AP0097HP-E | Cooling | 24,0 | 19,0 | 62,00 |
| | | | | Heating | 20,0 | | |
| | S014 | | MMK-AP0094MH1-E | Cooling | 24,0 | 19,0 | 62,00 |
| | | | | Heating | 20,0 | | |
| | S016 | | MMK-AP0057HP-E | Cooling | 24,0 | 19,0 | 62,00 |
| | | | | Heating | 20,0 | | |
| | S017 | | MMK-AP0057HP-E | Cooling | 24,0 | 19,0 | 62,00 |
| | | | | Heating | 20,0 | | |
| | S020 | | MMK-AP0057HP-E | Cooling | 24,0 | 19,0 | 62,00 |
| | | | | Heating | 20,0 | | |
| | S066 | | MMK-AP0094MH1-E | Cooling | 24,0 | 19,0 | 62,00 |
| | | | | Heating | 20,0 | | |
| | S067a | | MMK-AP0057HP-E | Cooling | 24,0 | 19,0 | 62,00 |
| | | | | Heating | 20,0 | | |
| | S067 | | MMK-AP0077HP-E | Cooling | 24,0 | 19,0 | 62,00 |
| | | | | Heating | 20,0 | | |
| | S0666 | | MMK-AP0094MH1-E | Cooling | 24,0 | 19,0 | 62,00 |
| | | | | Heating | 20,0 | | |

1.S

Floor: 7.NP

Elevation: Above Outdoor Unit 28,15m

| System information | |
|-----------------------|-------------------|
| Indoor Units | 14 of 12 |
| Capacity Ratio | 108,5% |
| Total Pipe Length | 105,89 m |
| Indoor Cap. Tot./Sen. | 26,87 kW/20,42 kW |
| Indoor Cap. Heat. | 26,96 kW |
| Building diversity | 0% |



| Outdoor/Indoor Legend | |
|-----------------------|-------------------|
| Unit Name | |
| Model Name | |
| Room Name | |
| ⊖ Corrected capacity | Tot./Sens./ Heat. |

| Piping Legend | |
|--|--|
| Actual Length | |
| Liquid / Suction Gas diameters | |
| Note: It is the responsibility of the consultant or contractor, to verify and confirm that the equipment selection and system design is correct before installation. | |

| Branches Legend | | |
|-----------------|------------|-------|
| a | RBM-BY55E | (x12) |
| b | RBM-BY105E | (x1) |

1.S

Floor: 6.NP

Elevation: Above Outdoor Unit 24,40m

| System information | |
|-----------------------|-------------------|
| Indoor Units | 14 of 12 |
| Capacity Ratio | 108,5% |
| Total Pipe Length | 105,89 m |
| Indoor Cap. Tot./Sen. | 26,87 kW/20,42 kW |
| Indoor Cap. Heat. | 26,96 kW |
| Building diversity | 0% |



| Outdoor/Indoor Legend | |
|-----------------------|-------------------|
| Unit Name | |
| Model Name | |
| Room Name | |
| ⊖ Corrected capacity | Tot./Sens./ Heat. |

| Piping Legend | |
|--|--|
| Actual Length | |
| Liquid / Suction Gas diameters | |
| Note: It is the responsibility of the consultant or contractor, to verify and confirm that the equipment selection and system design is correct before installation. | |

| Branches Legend | | |
|-----------------|------------|-------|
| a | RBM-BY55E | (x12) |
| b | RBM-BY105E | (x1) |

1.S

Floor: 5.NP

Elevation: Above Outdoor Unit 21,10m

| System information | |
|-----------------------|-------------------|
| Indoor Units | 14 of 12 |
| Capacity Ratio | 108,5% |
| Total Pipe Length | 105,89 m |
| Indoor Cap. Tot./Sen. | 26,87 kW/20,42 kW |
| Indoor Cap. Heat. | 26,96 kW |
| Building diversity | 0% |



| Outdoor/Indoor Legend | |
|-----------------------|-------------------|
| Unit Name | |
| Model Name | |
| Room Name | |
| ⊖ Corrected capacity | Tot./Sens./ Heat. |

| Piping Legend | |
|--|--|
| Actual Length | |
| Liquid / Suction Gas diameters | |
| Note: It is the responsibility of the consultant or contractor, to verify and confirm that the equipment selection and system design is correct before installation. | |

| Branches Legend | | |
|-----------------|------------|-------|
| a | RBM-BY55E | (x12) |
| b | RBM-BY105E | (x1) |

1.S

Floor: 4.NP

Elevation: Above Outdoor Unit 17,80m

| System information | |
|-----------------------|-------------------|
| Indoor Units | 14 of 12 |
| Capacity Ratio | 108,5% |
| Total Pipe Length | 105,89 m |
| Indoor Cap. Tot./Sen. | 26,87 kW/20,42 kW |
| Indoor Cap. Heat. | 26,96 kW |
| Building diversity | 0% |



| Outdoor/Indoor Legend | |
|-----------------------|-------------------|
| Unit Name | |
| Model Name | |
| Room Name | |
| ⊖ Corrected capacity | Tot./Sens./ Heat. |

| Piping Legend | |
|--|--|
| Actual Length | |
| Liquid / Suction Gas diameters | |
| Note: It is the responsibility of the consultant or contractor, to verify and confirm that the equipment selection and system design is correct before installation. | |

| Branches Legend | | |
|-----------------|------------|-------|
| a | RBM-BY55E | (x12) |
| b | RBM-BY105E | (x1) |

1.S

Floor: 3.NP

Elevation: Above Outdoor Unit 14,50m

| System information | |
|-----------------------|-------------------|
| Indoor Units | 14 of 12 |
| Capacity Ratio | 108,5% |
| Total Pipe Length | 105,89 m |
| Indoor Cap. Tot./Sen. | 26,87 kW/20,42 kW |
| Indoor Cap. Heat. | 26,96 kW |
| Building diversity | 0% |



| Outdoor/Indoor Legend | |
|-----------------------|-------------------|
| Unit Name | |
| Model Name | |
| Room Name | |
| ⊖ Corrected capacity | Tot./Sens./ Heat. |

| Piping Legend | |
|--|--|
| Actual Length | |
| Liquid / Suction Gas diameters | |
| Note: It is the responsibility of the consultant or contractor, to verify and confirm that the equipment selection and system design is correct before installation. | |

| Branches Legend | | |
|-----------------|------------|-------|
| a | RBM-BY55E | (x12) |
| b | RBM-BY105E | (x1) |

1.S

Floor: 2.NP

Elevation: Above Outdoor Unit 11,20m

| System information | |
|-----------------------|-------------------|
| Indoor Units | 14 of 12 |
| Capacity Ratio | 108,5% |
| Total Pipe Length | 105,89 m |
| Indoor Cap. Tot./Sen. | 26,87 kW/20,42 kW |
| Indoor Cap. Heat. | 26,96 kW |
| Building diversity | 0% |



| Outdoor/Indoor Legend | |
|-----------------------|-------------------|
| Unit Name | |
| Model Name | |
| Room Name | |
| ⊖ Corrected capacity | Tot./Sens./ Heat. |

| Piping Legend | |
|--|--|
| Actual Length | |
| Liquid / Suction Gas diameters | |
| Note: It is the responsibility of the consultant or contractor, to verify and confirm that the equipment selection and system design is correct before installation. | |

| Branches Legend | | |
|-----------------|------------|-------|
| a | RBM-BY55E | (x12) |
| b | RBM-BY105E | (x1) |

1.S

Floor: 1.NP

Elevation: Above Outdoor Unit 7,60m

| System information | |
|-----------------------|-------------------|
| Indoor Units | 14 of 12 |
| Capacity Ratio | 108,5% |
| Total Pipe Length | 105,89 m |
| Indoor Cap. Tot./Sen. | 26,87 kW/20,42 kW |
| Indoor Cap. Heat. | 26,96 kW |
| Building diversity | 0% |



| Outdoor/Indoor Legend | |
|-----------------------|-------------------|
| Unit Name | |
| Model Name | |
| Room Name | |
| ⊖ Corrected capacity | Tot./Sens./ Heat. |

| Piping Legend | |
|--|--|
| Actual Length | |
| Liquid / Suction Gas diameters | |
| Note: It is the responsibility of the consultant or contractor, to verify and confirm that the equipment selection and system design is correct before installation. | |

| Branches Legend | | |
|-----------------|------------|-------|
| a | RBM-BY55E | (x12) |
| b | RBM-BY105E | (x1) |

1.S

Floor: 1.PP

Elevation: Above Outdoor Unit 3,90m

System information

| | |
|-----------------------|-------------------|
| Indoor Units | 14 of 12 |
| Capacity Ratio | 108,5% |
| Total Pipe Length | 105,89 m |
| Indoor Cap. Tot./Sen. | 26,87 kW/20,42 kW |
| Indoor Cap. Heat. | 26,96 kW |
| Building diversity | 0% |



Outdoor/Indoor Legend

Unit Name
Model Name
Room Name
⊖ Corrected capacity Tot./Sens./ Heat.

Piping Legend

Actual Length
Liquid / Suction Gas diameters
Note: It is the responsibility of the consultant or contractor, to verify and confirm that the equipment selection and system design is correct before installation.

Branches Legend

| | | |
|---|------------|-------|
| a | RBM-BY55E | (x12) |
| b | RBM-BY105E | (x1) |

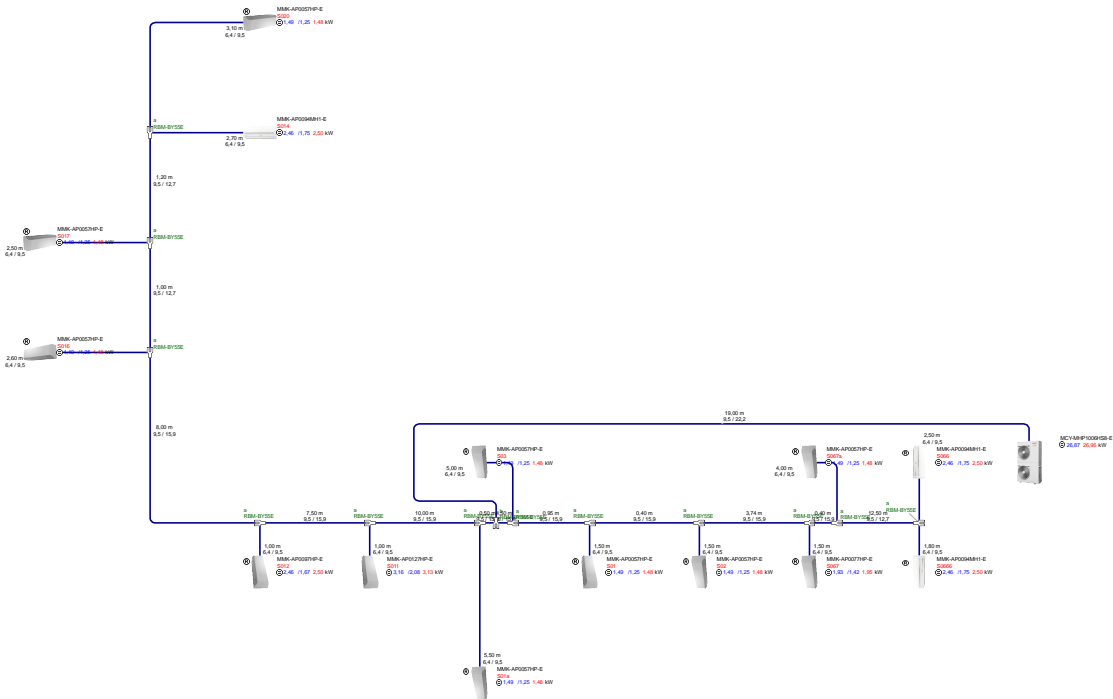
1.S
Floor: 1.S Elevation: 0,00m

| | |
|-----------------------|-------------------|
| System information | |
| Indoor Units | 14 of 12 |
| Capacity Ratio | 108,5% |
| Total Pipe Length | 105,89 m |
| Indoor Cap. Tot./Sen. | 26,87 kW/20,42 kW |
| Indoor Cap. Heat. | 26,96 kW |
| Building diversity | 0% |

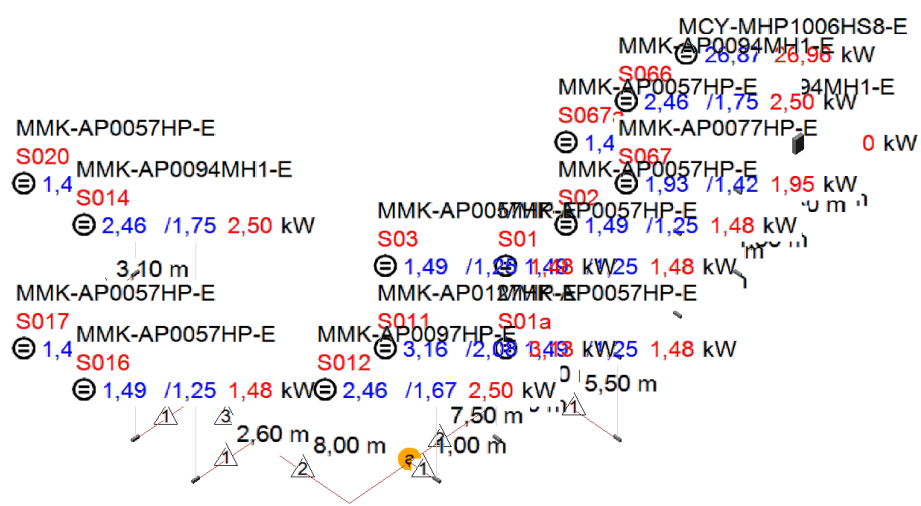
| | |
|-----------------------|-------------------|
| Outdoor/Indoor Legend | |
| Unit Name | |
| Model Name | |
| Room Name | |
| ⊖ Corrected capacity | Tot./Sens./ Heat. |

| | |
|--|--|
| Piping Legend | |
| Actual Length | |
| Liquid / Suction Gas diameters | |
| Note: It is the responsibility of the consultant or contractor, to verify and confirm that the equipment selection and system design is correct before installation. | |

| | | |
|-----------------|------------|-------|
| Branches Legend | | |
| a | RBM-BY55E | (x12) |
| b | RBM-BY105E | (x1) |



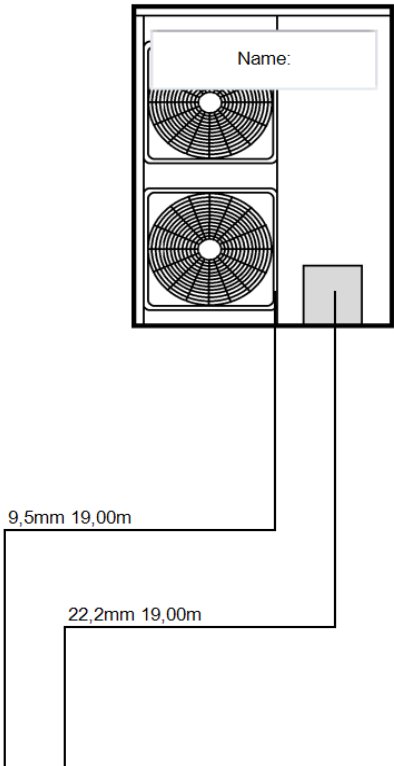
| | | |
|---|--------------|-------|
| a | RBM-BY55E | (x12) |
| b | RBM-BY105E | (x1) |
| 1 | 6,4mm 9,5mm | |
| 2 | 9,5mm 15,9mm | |
| 3 | 9,5mm 12,7mm | |
| 4 | 9,5mm 22,2mm | |



| | |
|-----------|--|
| Customer: | Město Sokolov |
| Project: | Městský úřad Sokolov – klimati zace |
| System: | 1.S |
| Date: | 08.07.2024 |
| Scale: | None |

1.S

MCY-MHP1006HS8-E



Accessories

Header

Follower1

Follower2

Follower3

Follower4

Electrical Information

- Slot 1 External master ON/OFF
- Slot 2 Power peak-cut Control
- Slot 3
- Slot 4
- Slot 5

Summary: 3N AC+Earth 380/400/415V 50Hz

1.S

Floor: 7.NP

Elevation: Above Outdoor Unit 28,15m



1.S

Floor: 6.NP

Elevation: Above Outdoor Unit 24,40m



1.S

Floor: 5.NP

Elevation: Above Outdoor Unit 21,10m



1.S

Floor: 4.NP

Elevation: Above Outdoor Unit 17,80m



1.S

Floor: 3.NP

Elevation: Above Outdoor Unit 14,50m



1.S

Floor: 2.NP

Elevation: Above Outdoor Unit 11,20m



1.S

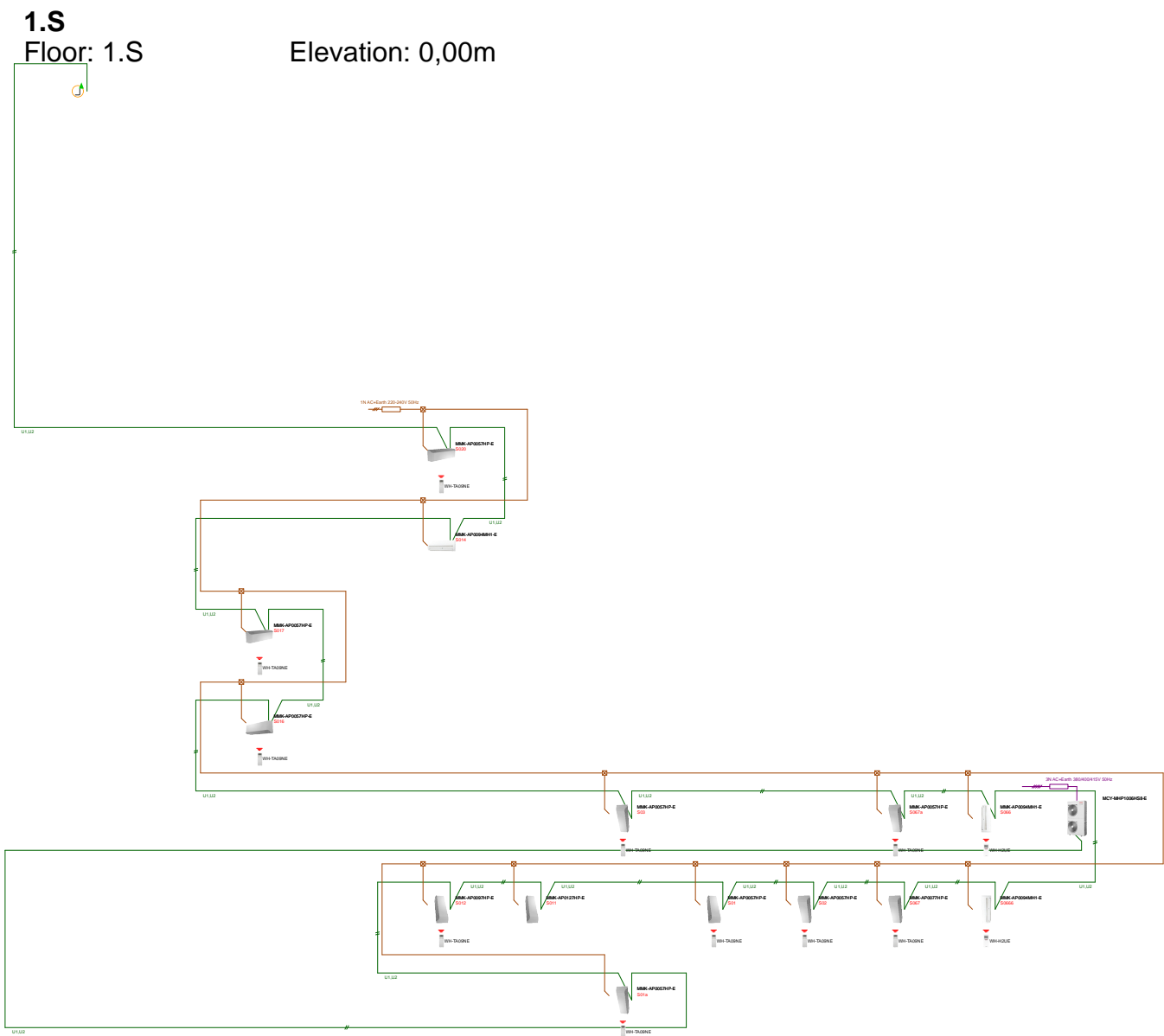
Floor: 1.NP

Elevation: Above Outdoor Unit 7,60m








1.S
Floor: 1.PP Elevation: Above Outdoor Unit 3,90m





| Control Wiring Legend | Label | Wiring Size and Length |
|---|-------|---|
| Outdoor - Indoor Control Wiring* | U1,U2 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring* | U3,U4 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring* | U5,U6 | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring* | A,B | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |
| * 2 core, no polarity, shielded | | |
| Note: Power Wiring should comply with Local, National and International Regulation. | | |

| Symbol Legend | | |
|-----------------------------|---|---|
| Control | |  |
| Power | |  |
| Remote Control | |  |
| Signal | |  |
| Piping* | |  |
| *Note: Pipe diameters in mm | | |
| Branches Legend | | |
| RBM-BY55E | a | (x12) |
| RBM-BY105E | b | (x1) |

1.S

Floor: 7.NP

Elevation: Above Outdoor Unit 28,15m



| Control Wiring Legend | Label | Wiring Size and Length |
|---|-------|---|
| Outdoor - Indoor Control Wiring* | U1,U2 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring* | U3,U4 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring* | U5,U6 | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring* | A,B | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |
| * 2 core, no polarity, shielded | | |
| Note: Power Wiring should comply with Local, National and International Regulation. | | |

1.S
Floor: 6.NP

Elevation: Above Outdoor Unit 24,40m



| Control Wiring Legend | Label | Wiring Size and Length |
|---|-------|---|
| Outdoor - Indoor Control Wiring* | U1,U2 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring* | U3,U4 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring* | U5,U6 | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring* | A,B | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |
| * 2 core, no polarity, shielded | | |
| Note: Power Wiring should comply with Local, National and International Regulation. | | |

1.S
Floor: 5.NP

Elevation: Above Outdoor Unit 21,10m



| Control Wiring Legend | Label | Wiring Size and Length |
|---|-------|---|
| Outdoor - Indoor Control Wiring* | U1,U2 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring* | U3,U4 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring* | U5,U6 | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring* | A,B | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |
| * 2 core, no polarity, shielded | | |
| Note: Power Wiring should comply with Local, National and International Regulation. | | |

1.S
Floor: 4.NP

Elevation: Above Outdoor Unit 17,80m



| Control Wiring Legend | Label | Wiring Size and Length |
|---|-------|---|
| Outdoor - Indoor Control Wiring* | U1,U2 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring* | U3,U4 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring* | U5,U6 | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring* | A,B | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |
| * 2 core, no polarity, shielded | | |
| Note: Power Wiring should comply with Local, National and International Regulation. | | |

1.S
Floor: 3.NP

Elevation: Above Outdoor Unit 14,50m



| Control Wiring Legend | Label | Wiring Size and Length |
|---|-------|---|
| Outdoor - Indoor Control Wiring* | U1,U2 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring* | U3,U4 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring* | U5,U6 | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring* | A,B | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |
| * 2 core, no polarity, shielded | | |
| Note: Power Wiring should comply with Local, National and International Regulation. | | |

1.S
Floor: 2.NP

Elevation: Above Outdoor Unit 11,20m



| Control Wiring Legend | Label | Wiring Size and Length |
|---|-------|---|
| Outdoor - Indoor Control Wiring* | U1,U2 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring* | U3,U4 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring* | U5,U6 | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring* | A,B | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |
| * 2 core, no polarity, shielded | | |
| Note: Power Wiring should comply with Local, National and International Regulation. | | |

1.S
Floor: 1.NP

Elevation: Above Outdoor Unit 7,60m



| Control Wiring Legend | Label | Wiring Size and Length |
|---|-------|---|
| Outdoor - Indoor Control Wiring* | U1,U2 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring* | U3,U4 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring* | U5,U6 | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring* | A,B | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |
| * 2 core, no polarity, shielded | | |
| Note: Power Wiring should comply with Local, National and International Regulation. | | |

1.S
Floor: 1.PP

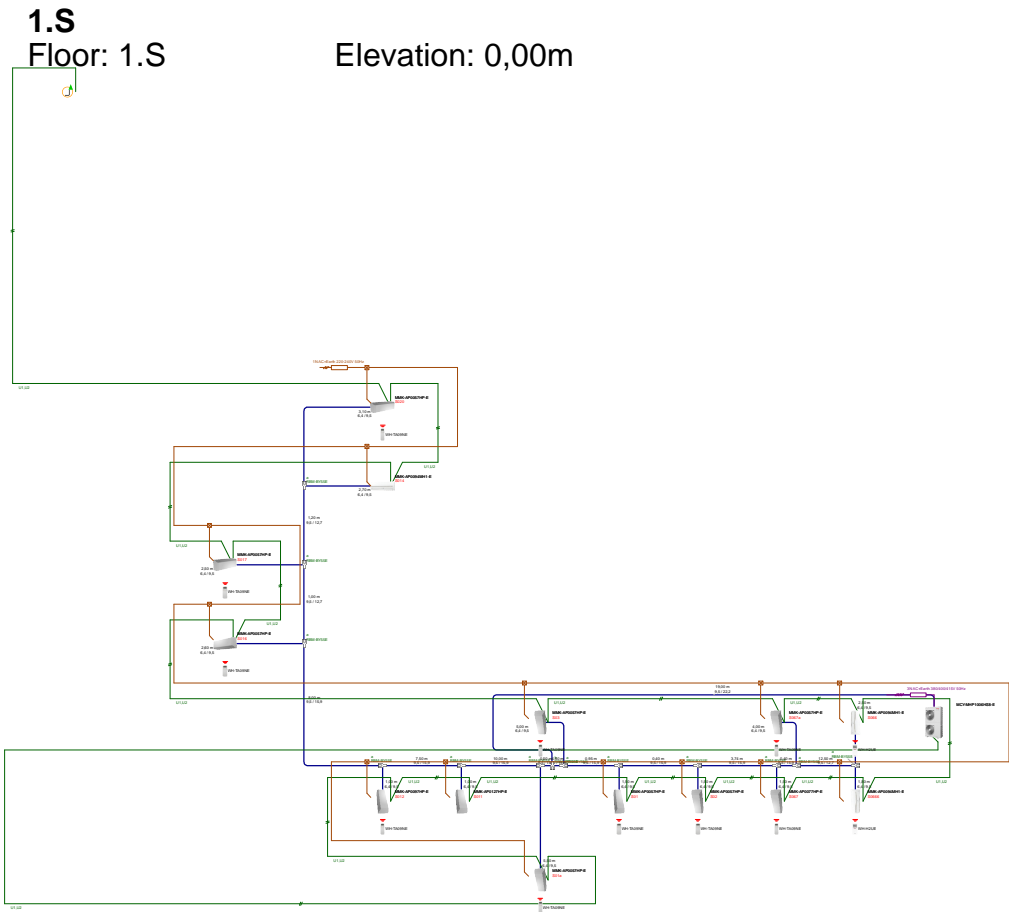
Elevation: Above Outdoor Unit 3,90m



| Control Wiring Legend | Label | Wiring Size and Length |
|----------------------------------|-------|---|
| Outdoor - Indoor Control Wiring* | U1,U2 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring* | U3,U4 | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring* | U5,U6 | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring* | A,B | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |

* 2 core, no polarity, shielded

Note: Power Wiring should comply with Local, National and International Regulation.



1.S

Floor: 7.NP

Elevation: Above Outdoor Unit 28,15m



1.S

Floor: 6.NP

Elevation: Above Outdoor Unit 24,40m



1.S

Floor: 5.NP

Elevation: Above Outdoor Unit 21,10m



1.S

Floor: 4.NP

Elevation: Above Outdoor Unit 17,80m



1.S

Floor: 3.NP

Elevation: Above Outdoor Unit 14,50m



1.S

Floor: 2.NP

Elevation: Above Outdoor Unit 11,20m



1.S

Floor: 1.NP

Elevation: Above Outdoor Unit 7,60m

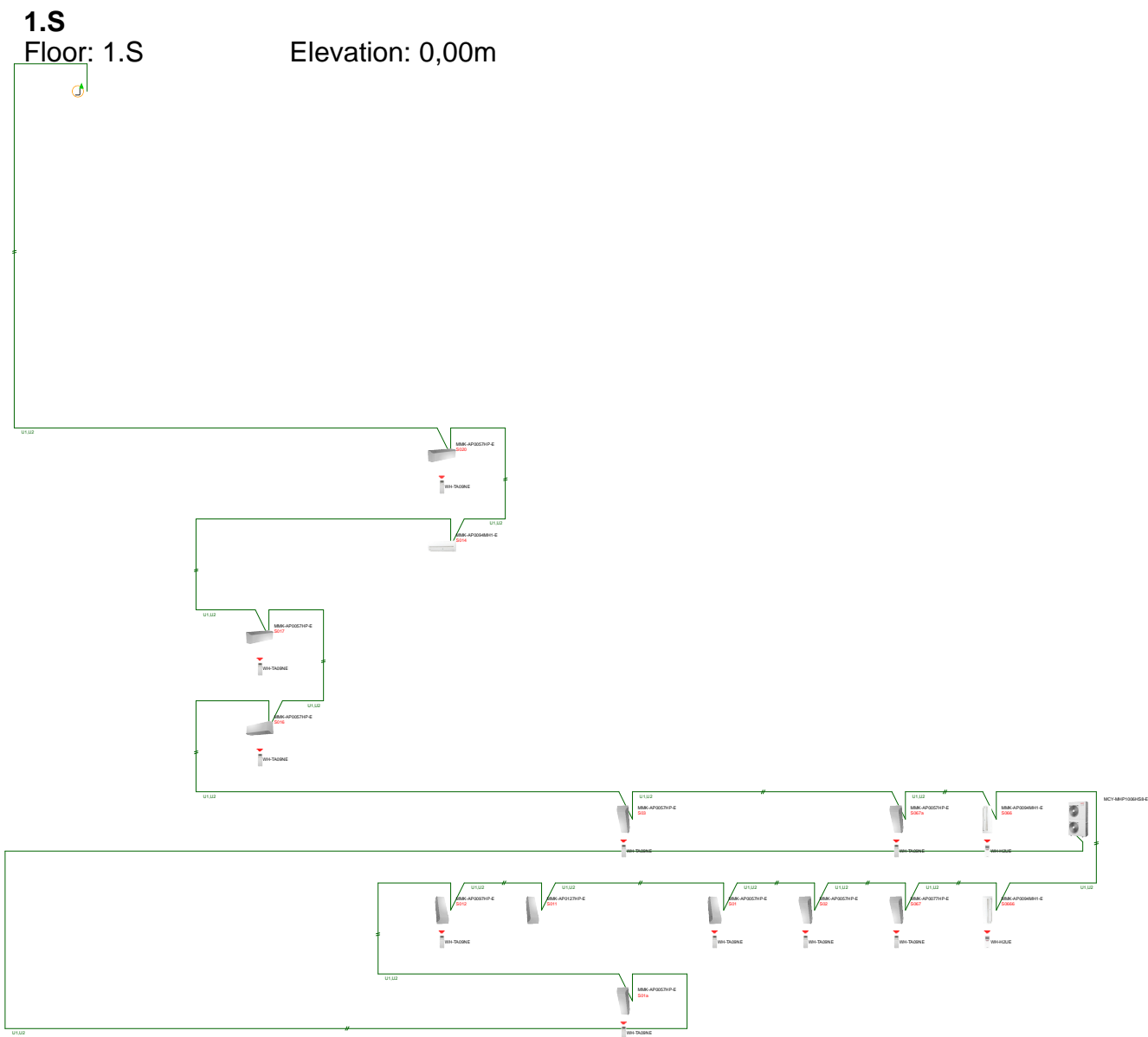


1.S

Floor: 1.PP

Elevation: Above Outdoor Unit 3,90m





1.S

Floor: 7.NP

Elevation: Above Outdoor Unit 28,15m



1.S

Floor: 6.NP

Elevation: Above Outdoor Unit 24,40m



1.S

Floor: 5.NP

Elevation: Above Outdoor Unit 21,10m



1.S

Floor: 4.NP

Elevation: Above Outdoor Unit 17,80m



1.S

Floor: 3.NP

Elevation: Above Outdoor Unit 14,50m



1.S

Floor: 2.NP

Elevation: Above Outdoor Unit 11,20m



1.S

Floor: 1.NP

Elevation: Above Outdoor Unit 7,60m



1.S

Floor: 1.PP

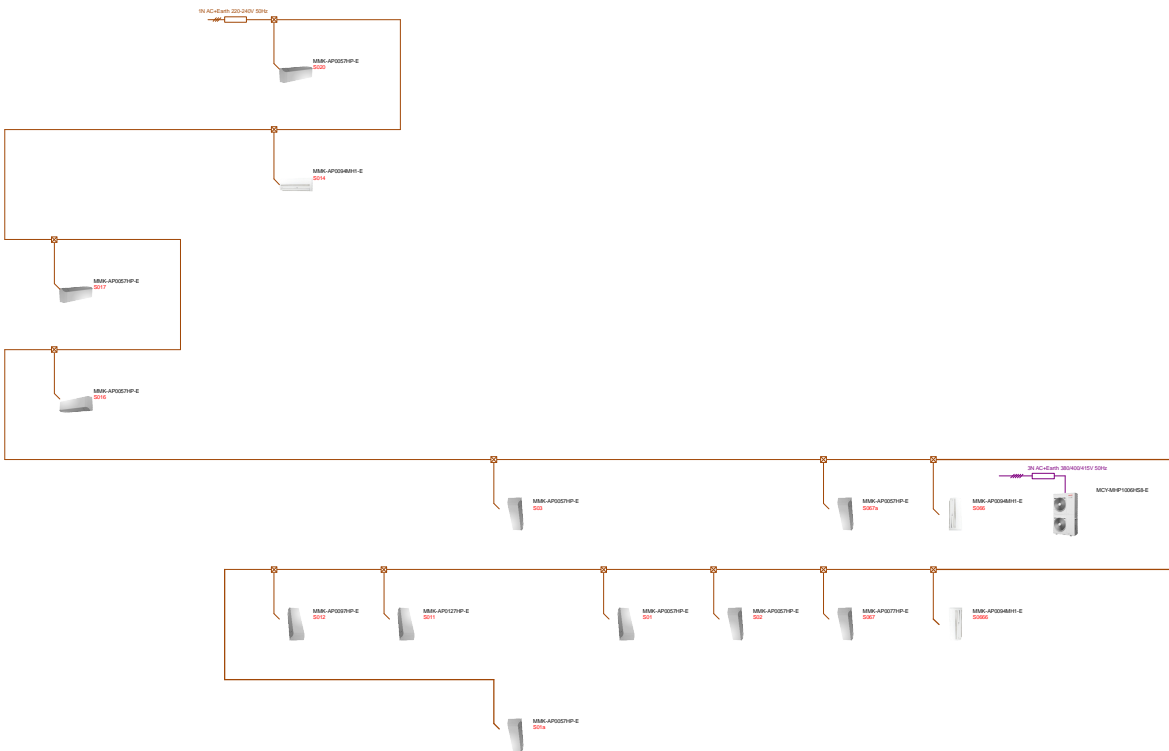
Elevation: Above Outdoor Unit 3,90m



1.S

Floor: 1.S

Elevation: 0,00m



MCY-MHP1006HS8-E (10HP, 28,00kW system)

| Cooling | | Compressor + Outdoor Fan Power consumption (kW) | | | | | | | | | | | | | | | |
|----------------------|--|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Outdoor Unit (°C) | Outdoor Unit 100% Capacity (kW) | 100% | | 90% | | 80% | | 70% | | 60% | | 50% | | 40% | | 30% | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) |
| 40,0 °C | 25,2 | 25,2 | 10,0 | 22,7 | 8,20 | 20,2 | 6,58 | 17,6 | 5,15 | 15,1 | 3,93 | 12,6 | 2,90 | 10,1 | 2,07 | 7,56 | 1,44 |
| 39,0 °C | 25,9 | 25,9 | 9,89 | 23,3 | 8,09 | 20,7 | 5,49 | 18,1 | 5,08 | 15,5 | 3,87 | 13,0 | 2,86 | 10,4 | 2,04 | 7,77 | 1,42 |
| 37,0 °C | 27,0 | 27,0 | 9,61 | 24,3 | 7,86 | 21,6 | 5,31 | 18,9 | 4,94 | 16,2 | 3,76 | 13,5 | 2,78 | 10,8 | 1,98 | 8,10 | 1,38 |
| 35,0 °C | 28,0 | 28,0 | 9,34 | 25,2 | 7,64 | 22,4 | 5,13 | 19,6 | 4,80 | 16,8 | 3,66 | 14,0 | 2,70 | 11,2 | 1,93 | 8,40 | 1,34 |
| 33,0 °C | 28,0 | 28,0 | 8,90 | 25,2 | 7,28 | 22,4 | 5,84 | 19,6 | 4,57 | 16,8 | 3,48 | 14,0 | 2,57 | 11,2 | 1,84 | 8,40 | 1,28 |
| 31,0 °C | 28,0 | 28,0 | 8,46 | 25,2 | 6,92 | 22,4 | 5,55 | 19,6 | 4,35 | 16,8 | 3,31 | 14,0 | 2,45 | 11,2 | 1,75 | 8,40 | 1,21 |
| 30,0 °C | 28,0 | 28,0 | 8,24 | 25,2 | 6,74 | 22,4 | 5,41 | 19,6 | 4,24 | 16,8 | 3,23 | 14,0 | 2,38 | 11,2 | 1,70 | 8,40 | 1,18 |
| 29,0 °C | 28,0 | 28,0 | 8,02 | 25,2 | 6,56 | 22,4 | 5,27 | 19,6 | 4,12 | 16,8 | 3,14 | 14,0 | 2,32 | 11,2 | 1,66 | 8,40 | 1,15 |
| 27,0 °C | 28,0 | 28,0 | 7,59 | 25,2 | 6,21 | 22,4 | 4,98 | 19,6 | 3,90 | 16,8 | 2,97 | 14,0 | 2,19 | 11,2 | 1,57 | 8,40 | 1,09 |
| 25,0 °C | 28,0 | 28,0 | 7,15 | 25,2 | 5,85 | 22,4 | 4,69 | 19,6 | 3,67 | 16,8 | 2,80 | 14,0 | 2,07 | 11,2 | 1,47 | 8,40 | 1,02 |
| 23,0 °C | 28,0 | 28,0 | 6,71 | 25,2 | 5,49 | 22,4 | 4,40 | 19,6 | 3,45 | 16,8 | 2,63 | 14,0 | 1,94 | 11,2 | 1,38 | 8,40 | 0,96 |
| 21,0 °C | 28,0 | 28,0 | 6,27 | 25,2 | 5,13 | 22,4 | 4,12 | 19,6 | 3,22 | 16,8 | 2,46 | 14,0 | 1,81 | 11,2 | 1,29 | 8,40 | 0,90 |
| 20,0 °C | 28,0 | 28,0 | 6,06 | 25,2 | 4,95 | 22,4 | 3,97 | 19,6 | 3,11 | 16,8 | 2,37 | 14,0 | 1,75 | 11,2 | 1,25 | 8,40 | 0,87 |
| 19,0 °C | 28,0 | 28,0 | 5,84 | 25,2 | 4,78 | 22,4 | 3,83 | 19,6 | 3,00 | 16,8 | 2,29 | 14,0 | 1,69 | 11,2 | 1,20 | 8,40 | 0,84 |
| 17,0 °C | 28,0 | 28,0 | 5,40 | 25,2 | 4,42 | 22,4 | 3,54 | 19,6 | 2,78 | 16,8 | 2,11 | 14,0 | 1,56 | 11,2 | 1,11 | 8,40 | 0,77 |
| 15,0 °C | 28,0 | 28,0 | 4,96 | 25,2 | 4,06 | 22,4 | 3,26 | 19,6 | 2,55 | 16,8 | 1,94 | 14,0 | 1,43 | 11,2 | 1,02 | 8,40 | 0,71 |

TC : Total Capacity

PI : Power Input

Indoor air temperature conditions : 27,0°C dry-bulb / 19,0°C wet bulb





| Heating | | | Compressor + Outdoor Fan Power consumption (kW) | | | | | | | | | | | | | | | |
|---------------|---------------|---|---|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| Outdoor Unit | | Outdoor Unit 100% Heating Capacity (kW) | 100% | | 90% | | 80% | | 70% | | 60% | | 50% | | 40% | | 30% | |
| Dry-Bulb (°C) | Wet-Bulb (°C) | | Capacity | | Capacity | | Capacity | | Capacity | | Capacity | | Capacity | | Capacity | | Capacity | |
| | | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) | (kW) |
| 15,0 | 13,7 | 28,0 | 28,0 | 5,50 | 25,2 | 4,65 | 22,4 | 3,87 | 19,6 | 3,16 | 16,8 | 2,52 | 14,0 | 1,95 | 11,2 | 1,45 | 8,40 | 1,02 |
| 13,0 | 11,8 | 28,0 | 28,0 | 5,87 | 25,2 | 4,97 | 22,4 | 4,14 | 19,6 | 3,38 | 16,8 | 2,70 | 14,0 | 2,09 | 11,2 | 1,55 | 8,40 | 1,09 |
| 11,0 | 9,80 | 28,0 | 28,0 | 6,25 | 25,2 | 5,29 | 22,4 | 4,40 | 19,6 | 3,60 | 16,8 | 2,87 | 14,0 | 2,22 | 11,2 | 1,65 | 8,40 | 1,16 |
| 9,00 | 7,90 | 28,0 | 28,0 | 6,62 | 25,2 | 5,60 | 22,4 | 4,67 | 19,6 | 3,81 | 16,8 | 3,04 | 14,0 | 2,35 | 11,2 | 1,75 | 8,40 | 1,22 |
| 7,00 | 6,00 | 28,0 | 28,0 | 7,00 | 25,2 | 5,92 | 22,4 | 4,93 | 19,6 | 4,03 | 16,8 | 3,21 | 14,0 | 2,49 | 11,2 | 1,85 | 8,40 | 1,26 |
| 5,00 | 4,10 | 26,9 | 26,9 | 6,89 | 24,2 | 5,83 | 21,5 | 4,85 | 18,8 | 3,96 | 16,1 | 3,16 | 13,4 | 2,45 | 10,8 | 1,82 | 8,07 | 1,27 |
| 3,00 | 2,20 | 25,8 | 25,8 | 6,77 | 23,2 | 5,73 | 20,6 | 4,77 | 18,1 | 3,90 | 15,5 | 3,11 | 12,9 | 2,41 | 10,3 | 1,79 | 7,74 | 1,25 |
| 0,00 | -0,70 | 24,2 | 24,2 | 6,60 | 21,8 | 5,58 | 19,4 | 4,65 | 16,9 | 3,80 | 14,5 | 3,03 | 12,1 | 2,34 | 9,68 | 1,74 | 7,26 | 1,22 |
| -3,00 | -0,30 | 22,5 | 22,5 | 6,43 | 20,2 | 5,44 | 18,0 | 4,53 | 15,8 | 3,70 | 13,5 | 2,95 | 11,2 | 2,28 | 9,00 | 1,70 | 6,75 | 1,19 |
| -5,00 | -5,60 | 21,4 | 21,4 | 6,32 | 19,3 | 5,34 | 17,1 | 4,45 | 15,0 | 3,64 | 12,8 | 2,90 | 10,7 | 2,24 | 8,56 | 1,67 | 6,42 | 1,17 |
| -7,00 | -7,60 | 20,3 | 20,3 | 6,20 | 18,3 | 5,25 | 16,2 | 4,37 | 14,2 | 3,57 | 12,2 | 2,85 | 10,2 | 2,20 | 8,12 | 1,64 | 6,09 | 1,15 |
| -10,0 | -10,5 | 18,7 | 18,7 | 6,03 | 16,8 | 5,10 | 15,0 | 4,25 | 13,1 | 3,47 | 11,2 | 2,77 | 9,35 | 2,14 | 7,48 | 1,59 | 5,61 | 1,11 |
| -14,5 | -15,0 | 16,2 | 16,2 | 5,77 | 14,6 | 4,88 | 13,0 | 4,07 | 11,3 | 3,32 | 9,72 | 2,65 | 8,10 | 2,05 | 6,48 | 1,52 | 4,86 | 1,07 |

TC : Total Capacity

PI : Power Input

Indoor air temperature conditions : 20,0°C dry-bulb

| Control Wiring Legend | Label | Wiring | Wiring Size and Length |
|---------------------------------|-------|-------------------------------|---|
| Outdoor - Indoor Control Wiring | U1,U2 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring | U3,U4 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring | U5,U6 | 2 core, no polarity, shielded | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring | A,B | 2 core, no polarity, shielded | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |

| Symbol Legend | |
|---|---------------------|
|  | Multi Flow Selector |
|  | Flow Selector |
|  | PMV kit |
|  | Electrical isolator |





Note: Power Wiring should comply with Local, National and International Regulation.

1.S
Floor: 7.NP

Elevation: Above Outdoor Unit 28,15m



| Control Wiring Legend | Label | Wiring | Wiring Size and Length |
|---------------------------------|-------|-------------------------------|---|
| Outdoor - Indoor Control Wiring | U1,U2 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring | U3,U4 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring | U5,U6 | 2 core, no polarity, shielded | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring | A,B | 2 core, no polarity, shielded | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |

| Symbol Legend | |
|---|---------------------|
|  | Multi Flow Selector |
|  | Flow Selector |
|  | PMV kit |
|  | Electrical isolator |





Note: Power Wiring should comply with Local, National and International Regulation.

1.S
Floor: 6.NP

Elevation: Above Outdoor Unit 24,40m



| Control Wiring Legend | Label | Wiring | Wiring Size and Length |
|---------------------------------|-------|-------------------------------|---|
| Outdoor - Indoor Control Wiring | U1,U2 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring | U3,U4 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring | U5,U6 | 2 core, no polarity, shielded | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring | A,B | 2 core, no polarity, shielded | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |

| Symbol Legend | |
|---|---------------------|
|  | Multi Flow Selector |
|  | Flow Selector |
|  | PMV kit |
|  | Electrical isolator |





Note: Power Wiring should comply with Local, National and International Regulation.

1.S
Floor: 5.NP

Elevation: Above Outdoor Unit 21,10m



| Control Wiring Legend | Label | Wiring | Wiring Size and Length |
|---------------------------------|-------|-------------------------------|---|
| Outdoor - Indoor Control Wiring | U1,U2 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring | U3,U4 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring | U5,U6 | 2 core, no polarity, shielded | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring | A,B | 2 core, no polarity, shielded | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |

| Symbol Legend | |
|---|---------------------|
|  | Multi Flow Selector |
|  | Flow Selector |
|  | PMV kit |
|  | Electrical isolator |





Note: Power Wiring should comply with Local, National and International Regulation.

1.S
Floor: 4.NP

Elevation: Above Outdoor Unit 17,80m



| Control Wiring Legend | Label | Wiring | Wiring Size and Length |
|---------------------------------|-------|-------------------------------|---|
| Outdoor - Indoor Control Wiring | U1,U2 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring | U3,U4 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring | U5,U6 | 2 core, no polarity, shielded | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring | A,B | 2 core, no polarity, shielded | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |

| Symbol Legend | |
|---|---------------------|
|  | Multi Flow Selector |
|  | Flow Selector |
|  | PMV kit |
|  | Electrical isolator |





Note: Power Wiring should comply with Local, National and International Regulation.

1.S
Floor: 3.NP

Elevation: Above Outdoor Unit 14,50m



| Control Wiring Legend | Label | Wiring | Wiring Size and Length |
|---------------------------------|-------|-------------------------------|---|
| Outdoor - Indoor Control Wiring | U1,U2 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring | U3,U4 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring | U5,U6 | 2 core, no polarity, shielded | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring | A,B | 2 core, no polarity, shielded | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |

| Symbol Legend | |
|---|---------------------|
|  | Multi Flow Selector |
|  | Flow Selector |
|  | PMV kit |
|  | Electrical isolator |





Note: Power Wiring should comply with Local, National and International Regulation.

1.S
Floor: 2.NP

Elevation: Above Outdoor Unit 11,20m



| Control Wiring Legend | Label | Wiring | Wiring Size and Length |
|---------------------------------|-------|-------------------------------|---|
| Outdoor - Indoor Control Wiring | U1,U2 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring | U3,U4 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring | U5,U6 | 2 core, no polarity, shielded | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring | A,B | 2 core, no polarity, shielded | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |

| Symbol Legend | |
|---|---------------------|
|  | Multi Flow Selector |
|  | Flow Selector |
|  | PMV kit |
|  | Electrical isolator |





Note: Power Wiring should comply with Local, National and International Regulation.

1.S
Floor: 1.NP

Elevation: Above Outdoor Unit 7,60m



| Control Wiring Legend | Label | Wiring | Wiring Size and Length |
|---------------------------------|-------|-------------------------------|---|
| Outdoor - Indoor Control Wiring | U1,U2 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring | U3,U4 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring | U5,U6 | 2 core, no polarity, shielded | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring | A,B | 2 core, no polarity, shielded | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |

| Symbol Legend | |
|---|---------------------|
|  | Multi Flow Selector |
|  | Flow Selector |
|  | PMV kit |
|  | Electrical isolator |





Note: Power Wiring should comply with Local, National and International Regulation.

1.S
Floor: 1.PP

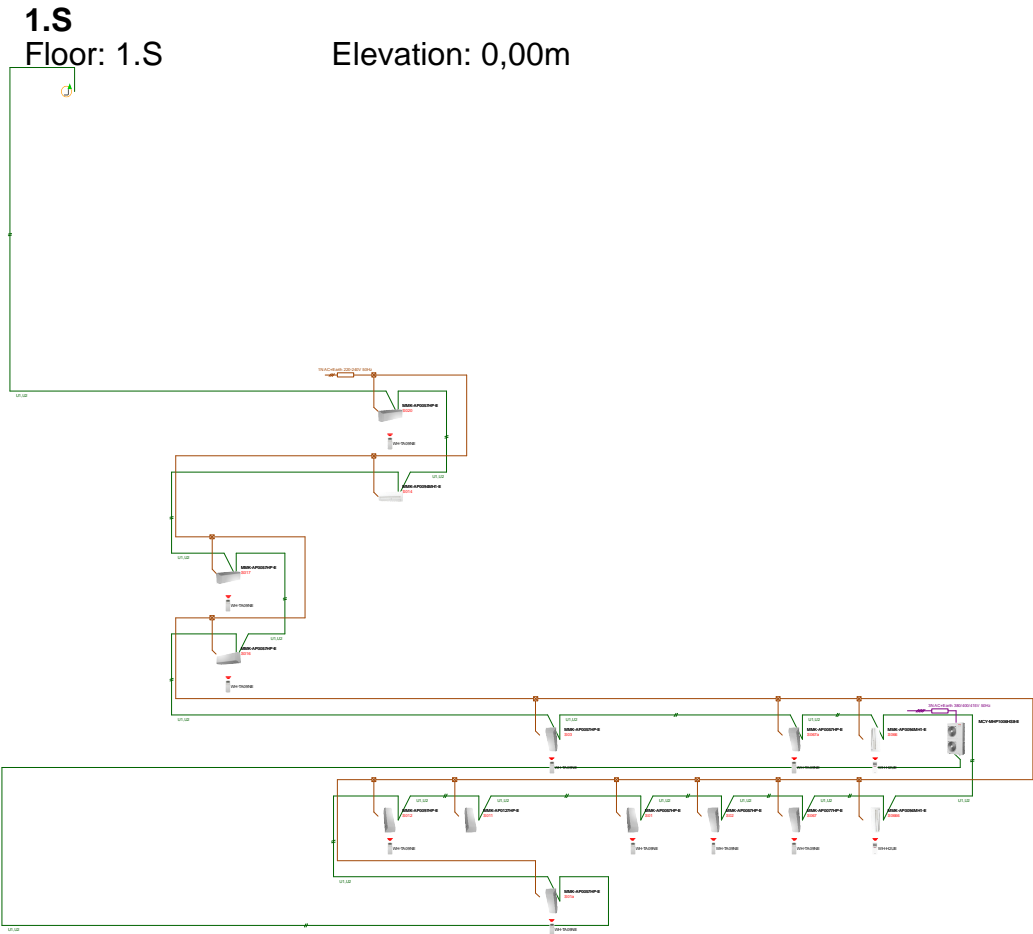
Elevation: Above Outdoor Unit 3,90m



| Control Wiring Legend | Label | Wiring | Wiring Size and Length |
|---------------------------------|-------|-------------------------------|---|
| Outdoor - Indoor Control Wiring | U1,U2 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Central Control Wiring | U3,U4 | 2 core, no polarity, shielded | 1,25mm² up to 1000m & 2,0mm² up to 2000m |
| Outdoor Units Control Wiring | U5,U6 | 2 core, no polarity, shielded | 1,25mm² to 2,0mm² up to 100m |
| Remote Controller Wiring | A,B | 2 core, no polarity, shielded | 0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m |

| Symbol Legend |
|---|
|  Multi Flow Selector |
|  Flow Selector |
|  PMV kit |
|  Electrical isolator |

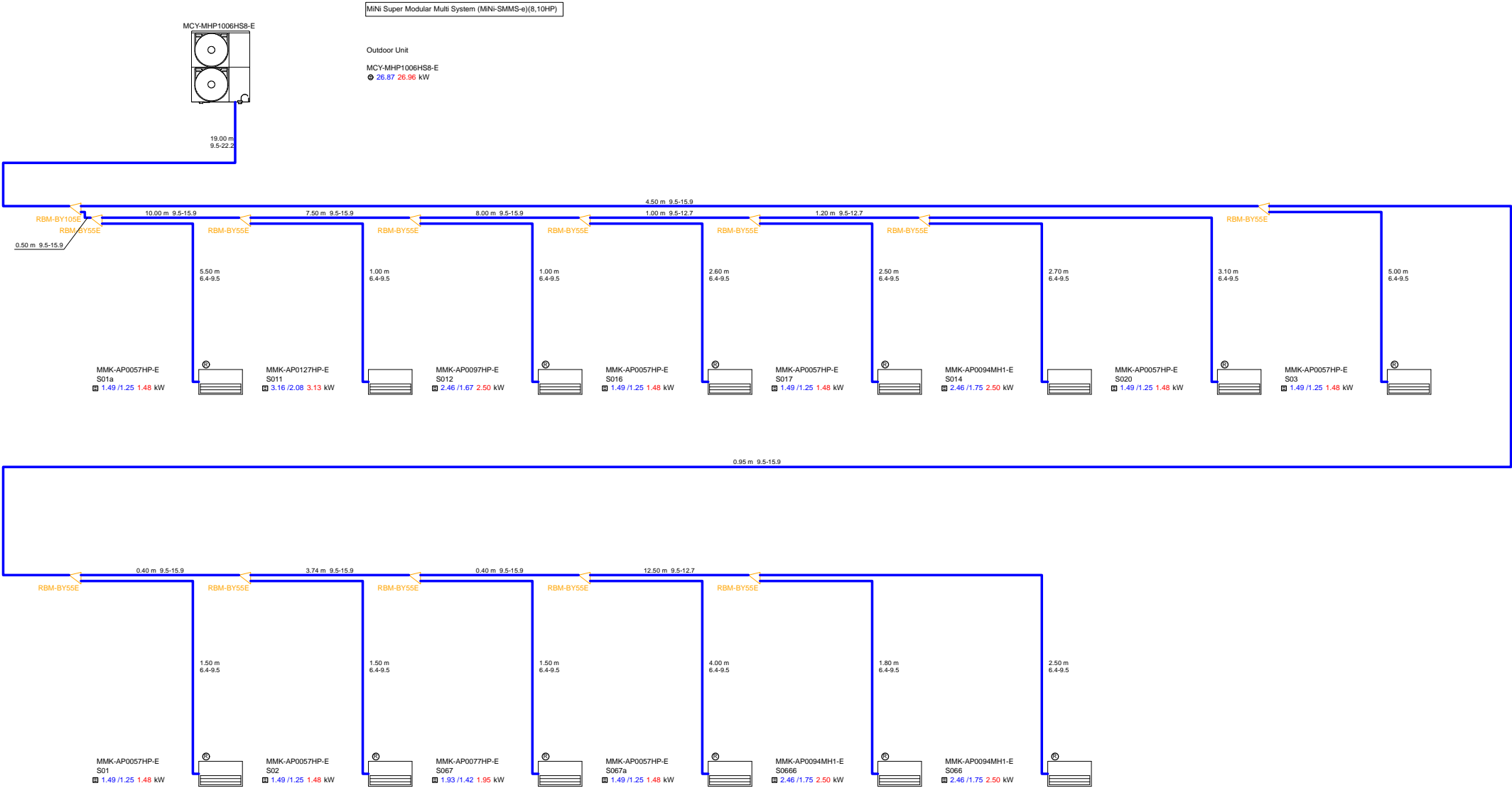
Note: Power Wiring should comply with Local, National and International Regulation.



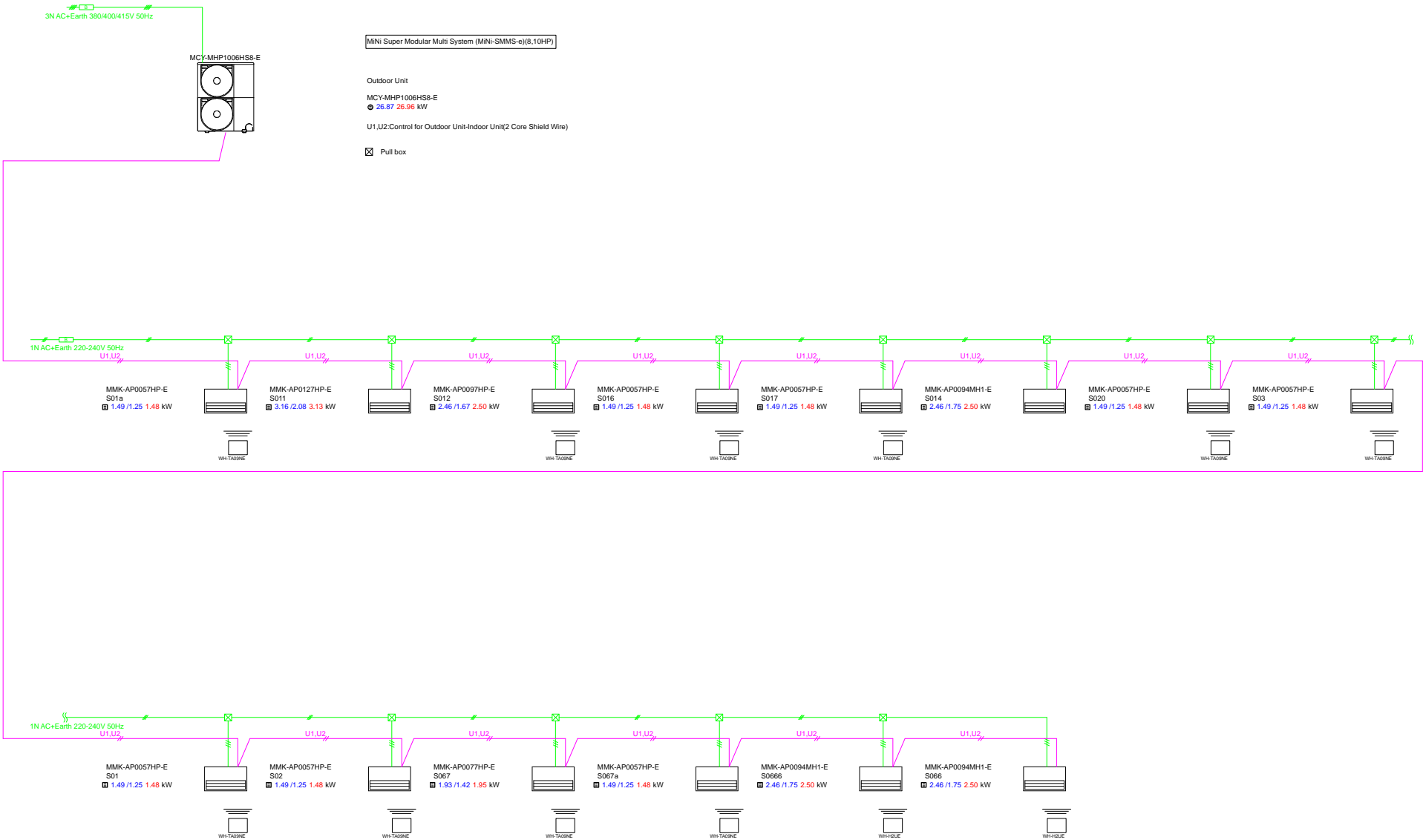
Městský úřad Sokolov – klimatizace



1.S



1.S



1.S

