

[illegible]

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1. File

1.1. Open

1.1.1. Recent Files



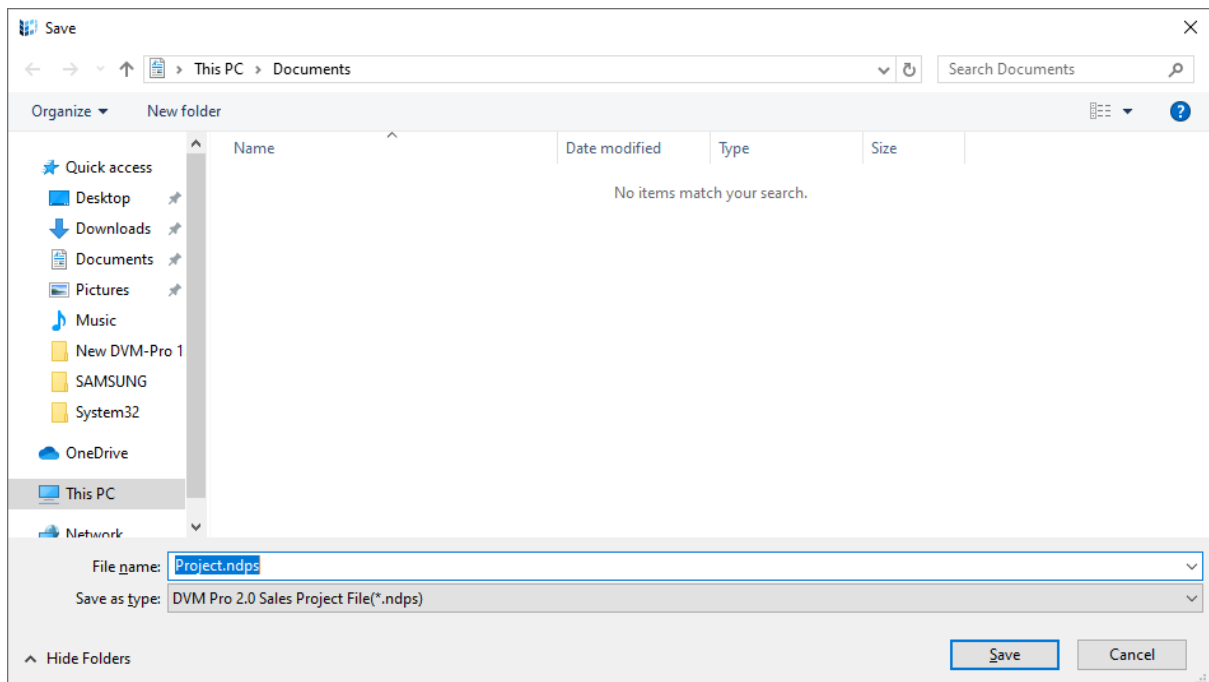
A list of recently worked project files is displayed, and the project file is opened when double-clicked. The number of project files is expressed up to 20.

1.1.2. My Computer



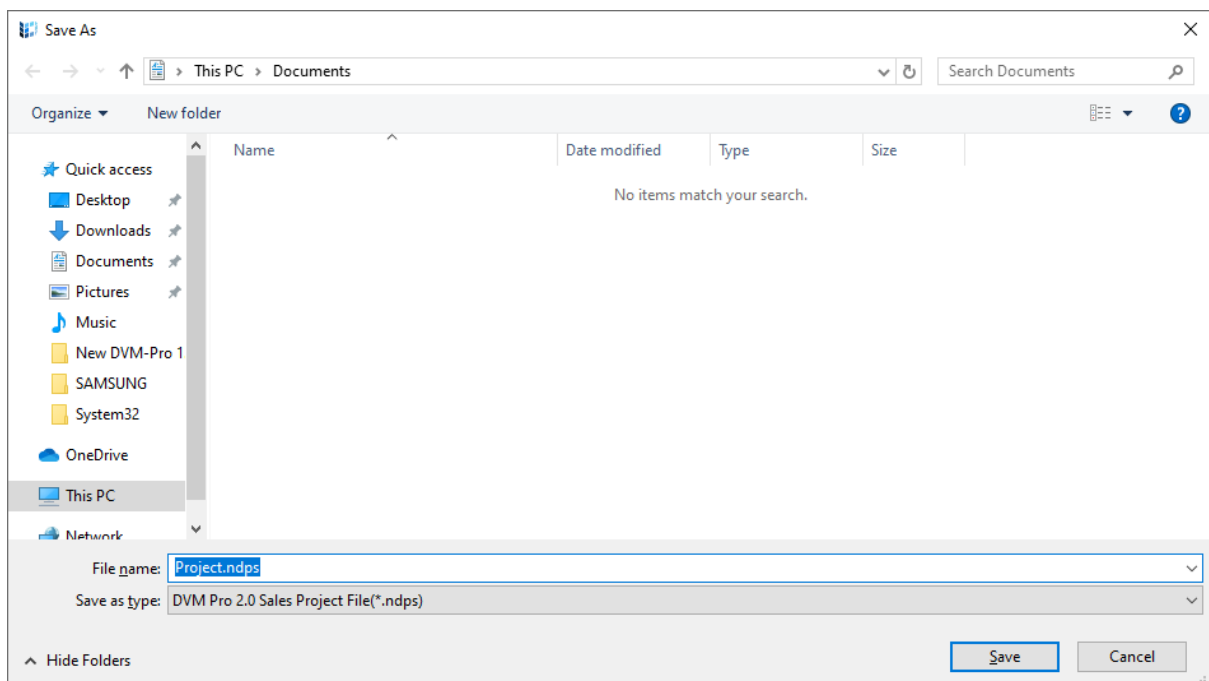
- ① My Computer : The Open window is activated and you can find the project file to open in that Open window.
- ② Recent Folders : Up to 10 lists of recently worked folders are displayed, and the Open window to the folder location clicked on the folder item is activated, making it easier to open project files.

1.2. Save



If it is a saved file, the save window is not activated and it is saved.

1.3. Save As



You can save the currently designed project with a different name, whether or not you save it.

1.4. Configuration

1.4.1. Common

DVM Pro 2.0 - New Project

←

Open

Save

Save As

Configuration

Configuration

Common

Sales

Base Design Country

Korea

Add Design Country

Language

English

User image

samsung.png

Auto Save

☒

Save Interval

5

Minute

Save Directory

C:\Users\lhi\AppData\Local\Samsung Electronics\NDP\2.0\AutoSave

Prefix settings

Indoor Unit Name

IDU

☒ Include Room Name

System Name

System

Room Name

Room

MCU Name

MCU

Outdoor Unit Combination Rate

100

%

Design Option

MCA/MOP display type

☒ Combination Module

☐ Single Module

Pipe Specification

☒ Use ASTM

☐ Use Non ASTM

[25.4(1")/ 38.1(1-1/2")/44.2(1-3/4")]

MCU Y-joint(2 ports connection)

☒ Service Parts Usage

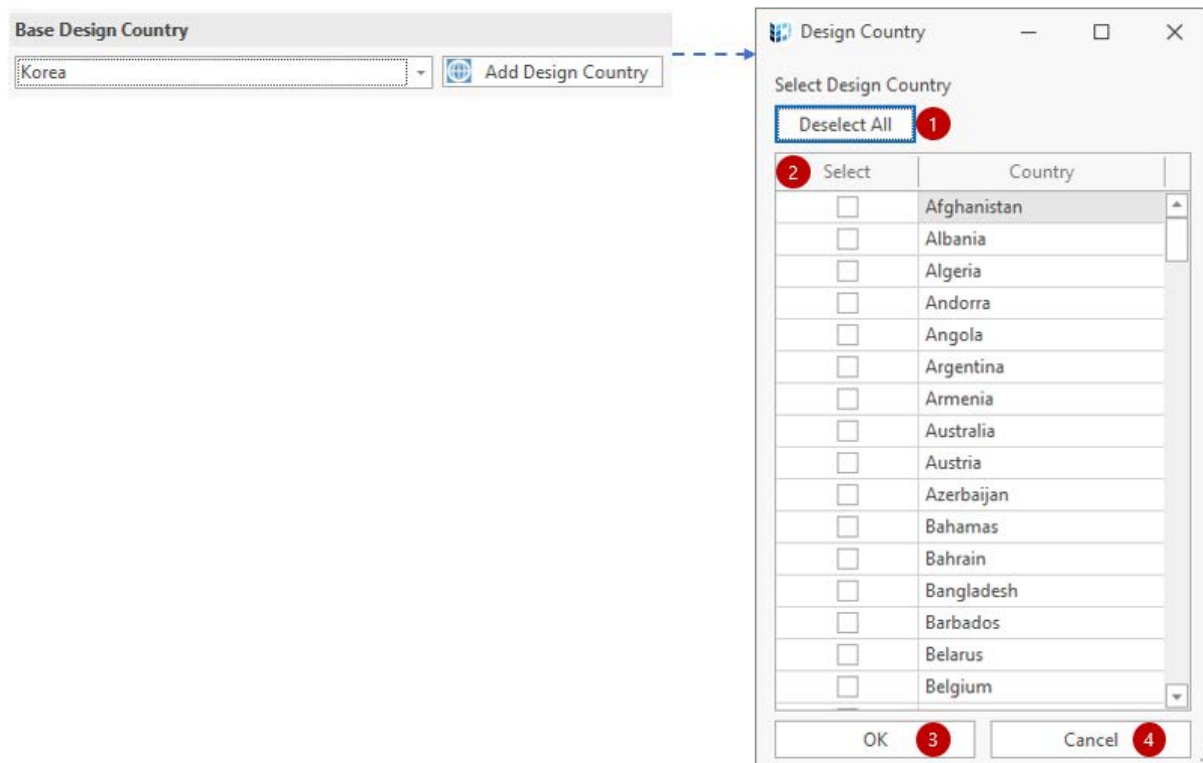
☐ Use Y-joint

Unit

Pipe Length	m	Default to SI unit
Piping Diameter	mm	
Length	mm	Default to US unit
Altitude	m	
Area	m ²	
Volume	m ³	
Pressure	Pa	
Airflow	CMM	
Cooling Capacity	kW	
Heating Capacity	kW	
Temperature	°C	
Weight	kg	
Efficiency	W/W	

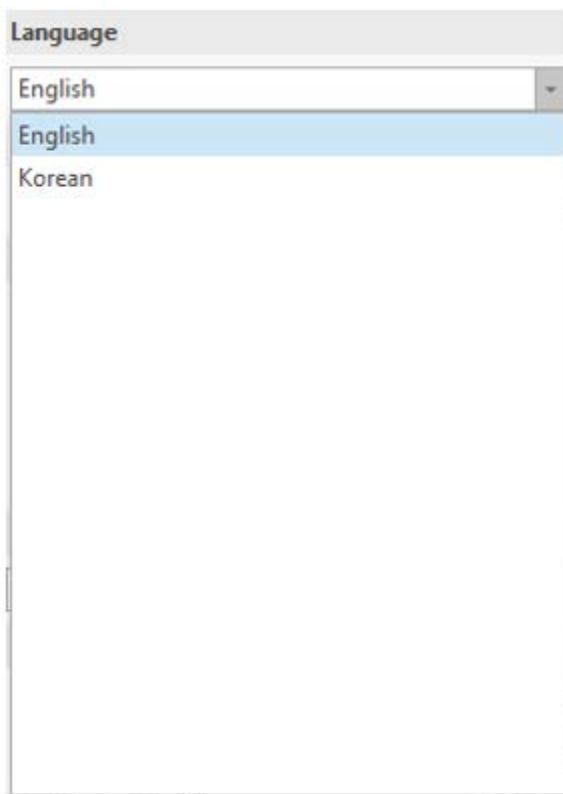
Common configuration is the environment setting value commonly used by Sales and Designer, and you can set the default design country, program language, user image, auto save, prefix setting, outdoor unit combination rate, design option, and unit.

1.4.1.1. Base Design Country



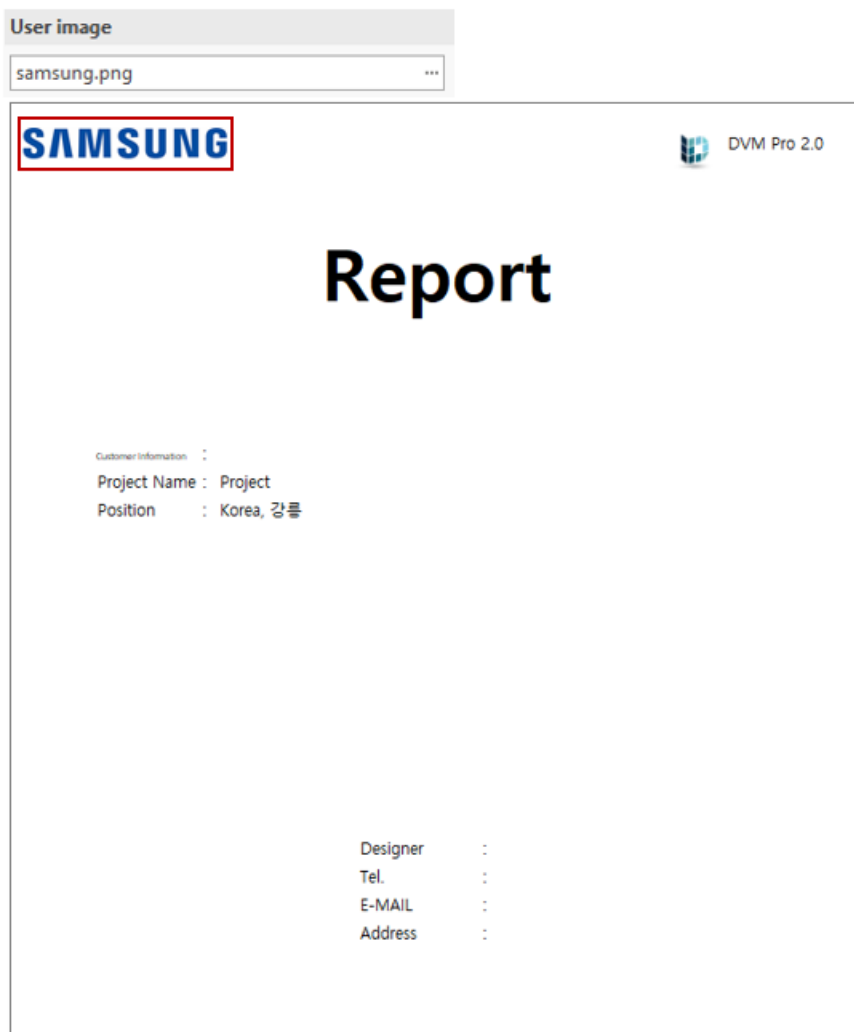
- ① Deselect All : Deselect all selected countries.
- ② Country List : You can see a list of countries and whether they can be designed (selected), and you can add (select) or delete (deselect) designable countries.
- ③ OK : When the button is clicked, the current setting is saved and the database for the added (selected) country is downloaded. When the download is complete, the Design Country window closes.
- ④ Cancel : When the button is clicked, the current setting is canceled without saving.

1.4.1.2. Language



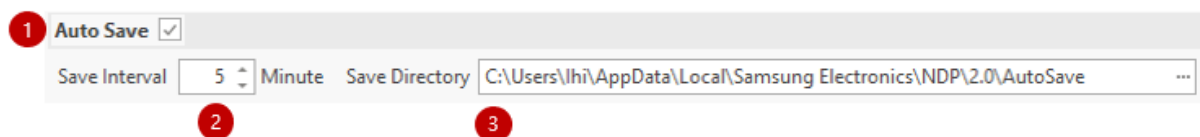
You can set the language of the program. Languages will be added later.

1.4.1.3. User Image



When exporting a basic report, you can set the company logo on the top left of the cover page.

1.4.1.4. Auto Save



- ① Auto Save : You can set whether to automatically save the project file.
- ② Save Interval : You can set the saving interval in minutes during auto save.
- ③ Save Directory : You can set the save location when auto save.

Up to 10 project files are saved in the storage location at each set interval.

1.4.1.5. Prefix Settings

Prefix settings

1 Indoor Unit Name IDU ☒ Include Room Name 2

System Name System 3

4 Room Name Room

MCU Name MCU 5

System, indoor unit, room, and MCU prefix can be set. You can choose whether to include the room name in the prefix for the indoor unit.

1.4.1.6. Outdoor Unit Combination Rate

Outdoor Unit Combination Rate

100 %

Indoor Unit **Outdoor Unit** Piping Material

Search

DVM S/Heat Recovery ▶

Required Condition ▲

Combination Table 2013_동시냉난방_ ▼

Usage Condition ▼

Design Condition ▲

Hydro Operating Simultaneously ☒

Maximum Indoor Unit Combination Ratio 100.00 %

Maximum Hydro Combination Ratio 80.00 %

Continuous Cooling Operation under -5°C (23°F) ☐

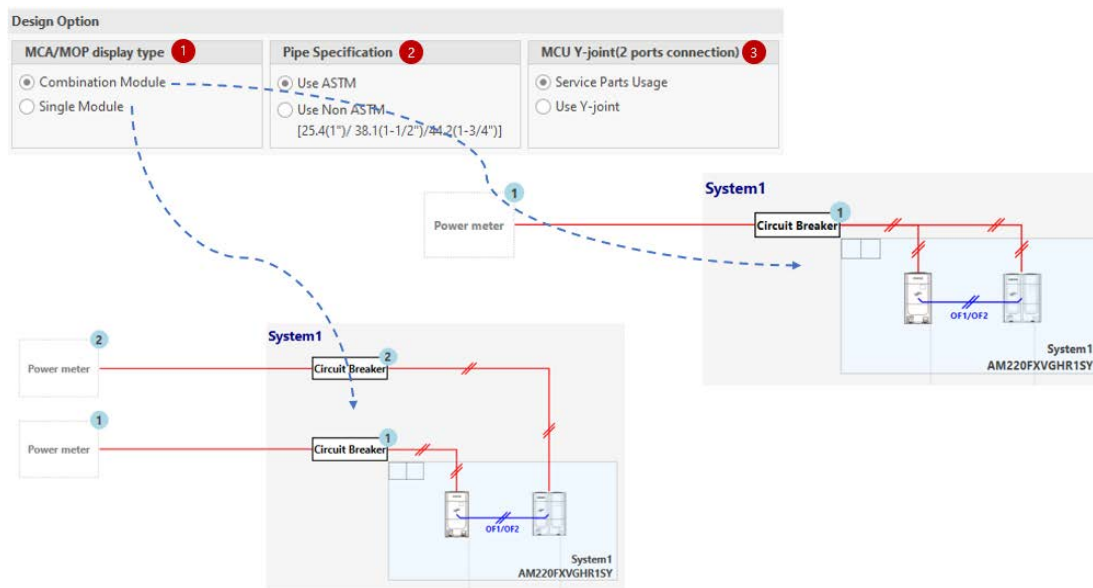
☐ Altitude 0.00 m

Defrosting Correction ☐

Search

When searching for outdoor units, you can set the default of maximum indoor unit combination ratio in the design conditions.

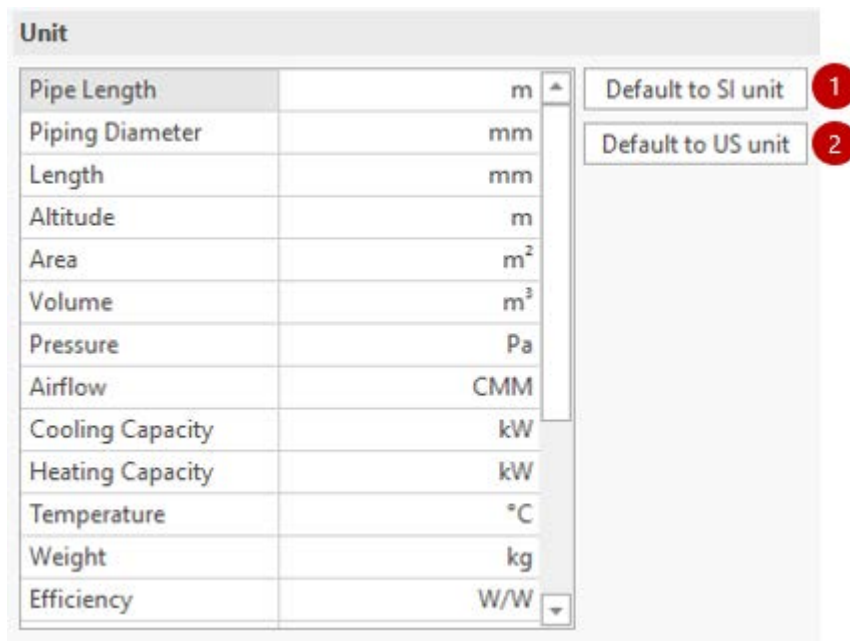
1.4.1.7. Design Option



- ① MCA/MOP Display Type : You can set the default value of the circuit breaker expression form of the module outdoor unit.
- ② Pipe Specification : You can set the piping specification to be used when the piping size is increased.
- ③ MCU Y-joint(2 Ports Connection) : When the MCU and indoor unit are connected with 2 ports, you can set the option for Y-joint selection.

1.4.1.8. Unit

You can set the units used in the program.



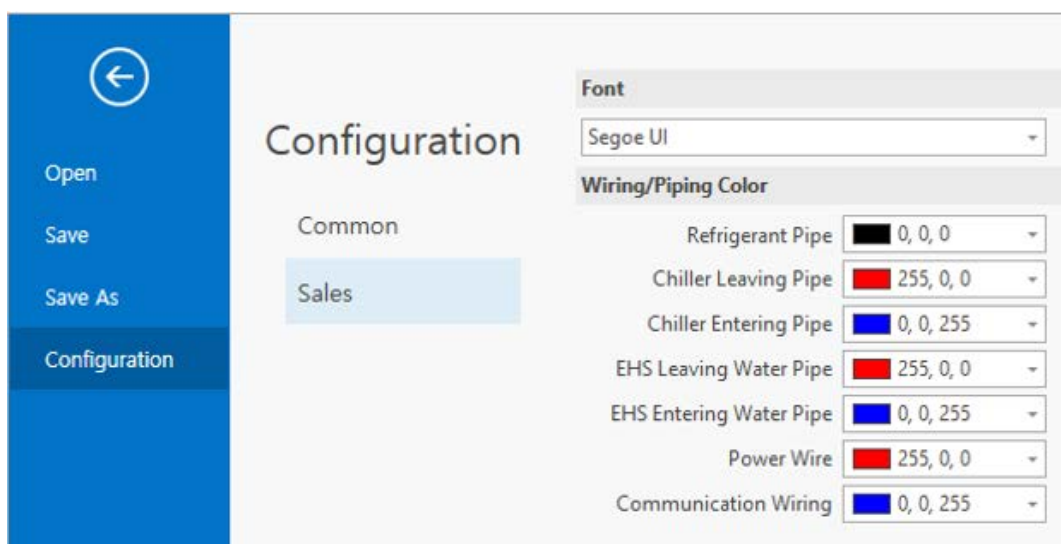
Unit	
Pipe Length	m
Piping Diameter	mm
Length	mm
Altitude	m
Area	m ²
Volume	m ³
Pressure	Pa
Airflow	CMM
Cooling Capacity	kW
Heating Capacity	kW
Temperature	°C
Weight	kg
Efficiency	W/W

Default to SI unit 1

Default to US unit 2

- ① Default to SI unit : All units can be initialized to SI units.
- ② Default to US unit : All units can be reset to US units.

1.4.2. Sales



Configuration

Common

Sales

Font

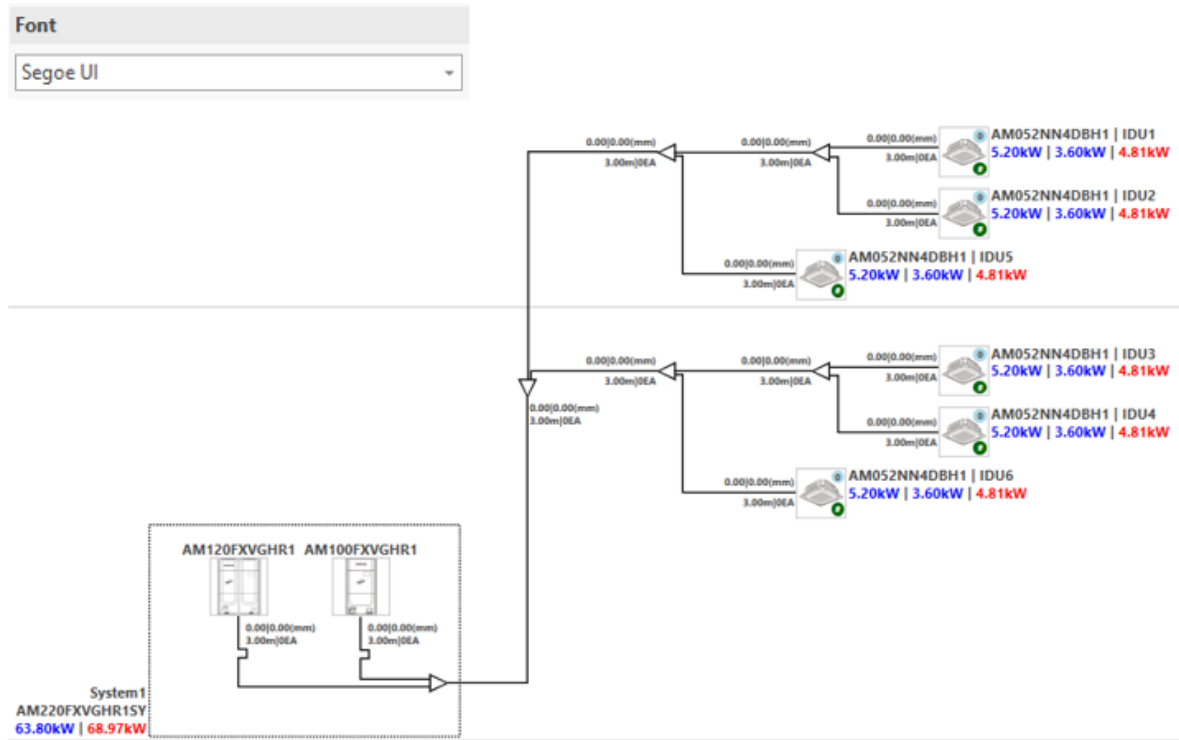
Segoe UI

Wiring/Piping Color

Refrigerant Pipe	0, 0, 0
Chiller Leaving Pipe	255, 0, 0
Chiller Entering Pipe	0, 0, 255
EHS Leaving Water Pipe	255, 0, 0
EHS Entering Water Pipe	0, 0, 255
Power Wire	255, 0, 0
Communication Wiring	0, 0, 255








The Sales configuration is an environment setting value that is not commonly used with the Designer. You can set the design view font of the Sales program and the color of piping/wiring.

1.4.2.1. Font



You can set the font displayed in the Sales program design view.

1.4.2.2. Piping/Wiring Color

Wiring/Piping Color			
1	Refrigerant Pipe	 0, 0, 0	
	Chiller Leaving Pipe	 255, 0, 0	2
3	Chiller Entering Pipe	 0, 0, 255	
	EHS Leaving Water Pipe	 255, 0, 0	4
5	EHS Entering Water Pipe	 0, 0, 255	
	Power Wire	 255, 0, 0	6
7	Communication Wiring	 0, 0, 255	

- ① Refrigerant Pipe : You can set the color of the refrigerant piping.
- ② Chiller Leaving Pipe : You can set the color of the leaving pipe for the chiller system.
- ③ Chiller Entering Pipe : You can set the color of the entering pipe for the chiller system.
- ④ EHS Leaving Water Pipe : You can set the color of the EHS system's leaving water pipe.
- ⑤ EHs Entering Water Pipe : You can set the color of the EHS system's entering water pipe.
- ⑥ Power Wire : You can set the color of the power wire
- ⑦ Communication Wire : You can set the color of the communication wire.