# ARCHLine.XP MEP Presentation Workflow

## Objects needed for the demonstration (all in RFA formats)

* VE\_Air Terminal\_Diffuser\_MEPcontent\_Barcol-Air\_Pl *Base elevation: =2490 mm*
* Exhaust\_Fan-LED\_Light-Delta-BreezSmart-SMT150LED *Base elevation =2440 mm*
* VE\_Heat Exchanger\_MEPcontent\_Mitsubishi Electric *Base elevation = 2800 mm*
* Duct rectangle 200x100 mm *Base elevation = 2800mm*
* Duct round D=100mm *Base elevation = 3076 mm*

## Demonstration steps

1. Load .PRO file 2020\_Bauantrag\_START.PRO
2. Create a suspended ceiling over every room – ceiling base elevation: 2500mm; ceiling thickness: 20mm
3. Place *VE\_Heat Exchanger\_MEPcontent\_Mitsubishi Electric* and rotate it 90 degrees
4. Show the available ports of the *Exchanger.* And explain what they do.
5. Create the fresh air input for port 5 of the *Exchanger*. The pipe should start from port 5, and go vertically to the outside.
6. Create the stale air output for port 3 the *Exchanger*. The pipe starts from port 3 horizontally, and then goes vertically.
7. Place the *VE\_Air Terminal\_Diffuser\_MEPcontent\_Barcol-Air\_Pl* fans. Base elevation: 2440mm. Once the 3 items are placed on one side of the building, use the *Edit/Copy/Mirror* commands to duplicate.
8. Draw the *Rectangular Duct*. Base elevation: 2800mm.
9. Cap off both ends of the *Rectangular Duct*.
10. Place *Tee Rectangular* connections on the *Duct*. Once the first Tee is placed to line up with any of the other MEP elements, you can copy and place the rest.
11. Connect the *Rectangular Duct* to port 2 of the *Exchanger* via the *Tee Rectangular*. The connection is done with *square-round transition*, size 100mm, and Flex connection.
12. Connect the *Rectangular Duct* to each *VE\_Air Terminal\_Diffuser\_MEPcontent\_Barcol-Air\_Pl* fans via the *Tee Rectangular* connections. The connection is done with *square-round transition*, size 160mm, and Flex connection.
13. The *Rectangular Duct* should now be connected to the *Exchanger* and the fans as well.
14. Draw the *Round Duct* for the stale air. Base elevation: 3076mm.
15. Cap off both ends of the *Round Duct*.
16. Place the *Exhaust\_Fan-LED\_Light-Delta-BreezSmart-SMT150LED* exhaust fans. Base elevation: 2490mm.
17. Place *Tee Round* connections on the *Round* *Duct*. Once the first Tee is placed to line up with any of the other MEP elements, you can copy and place the rest.
18. Starting from a *Tee Round* on the *Rectangular Duct*, start drawing a pipe, then use *Auto-Connect/Auto-Routing* to connect to port 4 of the *Exchanger*.
19. Connect the *Round Duct* to each *Exhaust\_Fan-LED\_Light-Delta-BreezSmart-SMT150LED* fans via the *Tee Round* connections. The connection is done with *Auto-Connect/Auto-Routing.*
20. The MEP system should be ready. Use the representation styles to show the MEP parts isolated.
21. Use *Tags* to yield information of the MEP parts.
22. Create sections, if needed.