



MEP FABRICATION



SUMMARY

1 ABOUT COMPANY

2 SERVICES

3 WORKFLOW

4 MODELS GALLERY

5 WORK QUALITY

6 CONTACTS

ABOUT COMPANY

We are a team of specialists with experience in implementing BIM-technologies. We believe that BIM is not a future - BIM is today, BIM is right now.

Our main goal is the most effective application of BIM technologies at all stages of project development.

We always look at project tasks through the lenses of engineering perception, which allows us to be one step ahead.



OUR SOFTWARE SKILLS



Autodesk Revit



Fabrication CAMduct



Autodesk Autocad



SysQue



Graphisoft Archicad



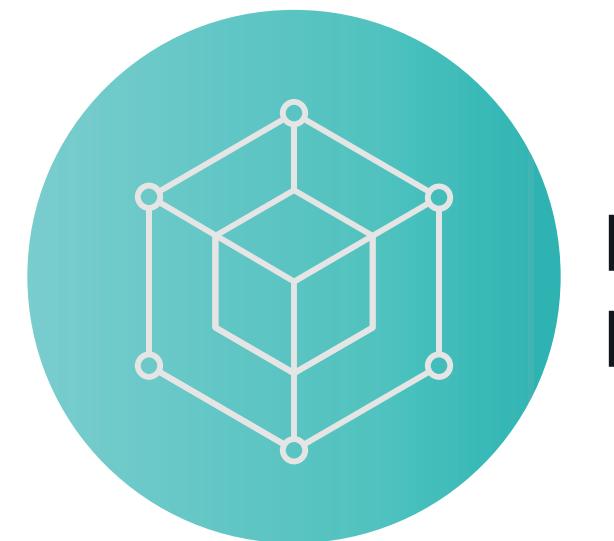
Autodesk Navisworks

MEET OUR TEAM

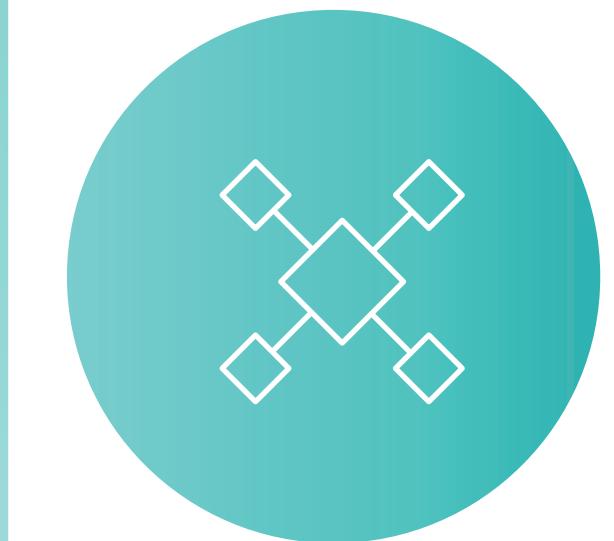
When a new member comes to our team we know for sure, that whether they stay with us for long or leave, they will definitely get a precious experience and understanding of what teamwork should look like!



MEP FABRICATION SERVICES



**MEP FABRICATION
MODELING**



COORDINATION

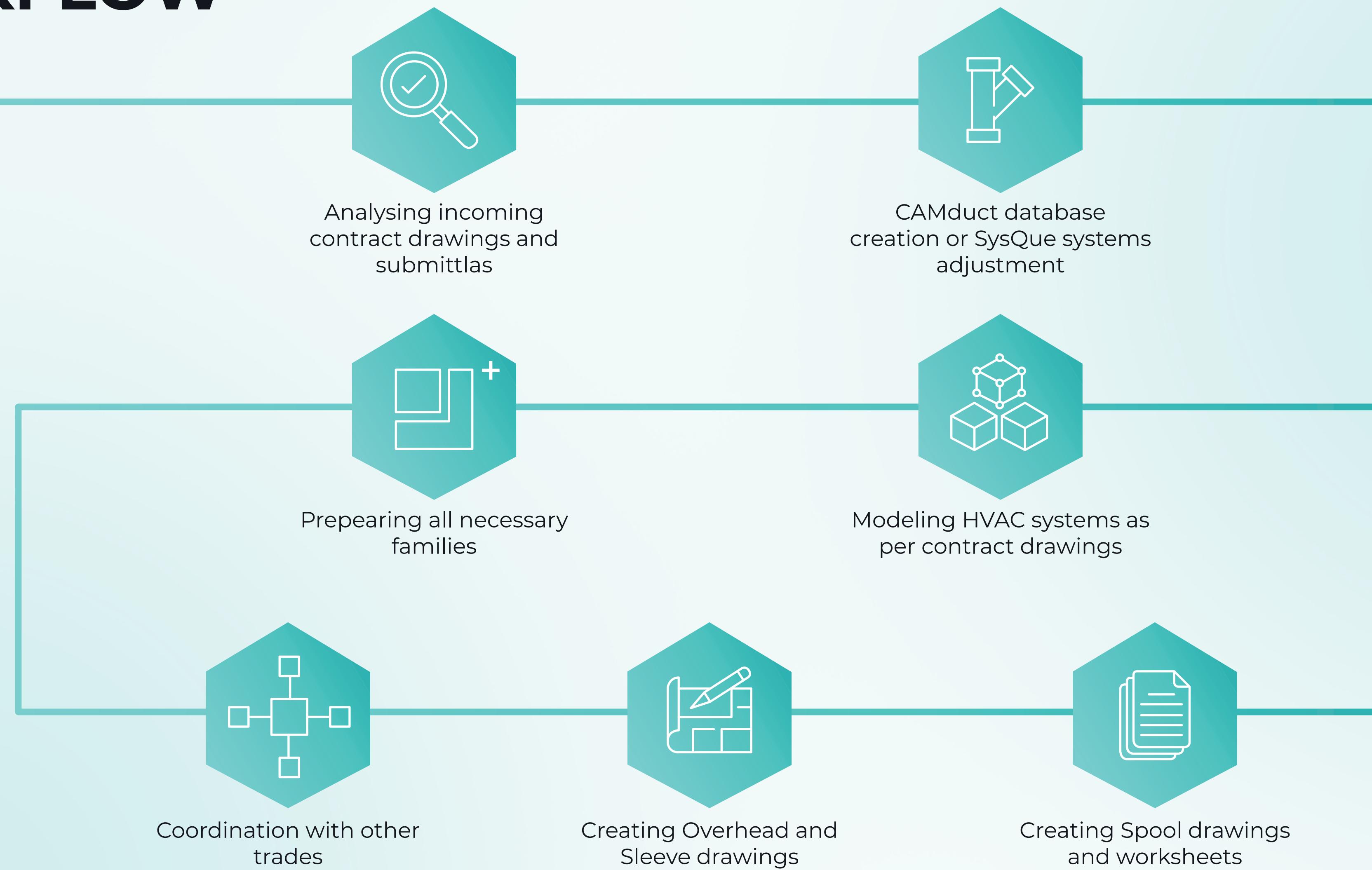


**DRAWINGS
CREATION**



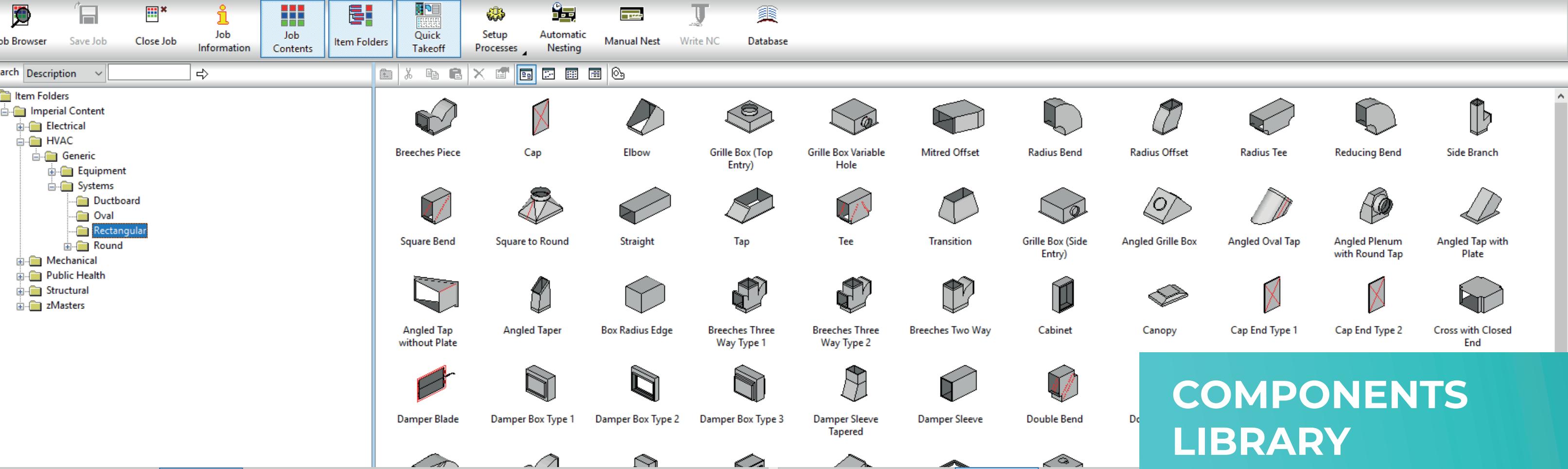
**TIME
SCHEDULING**

WORKFLOW



DATA BASE CREATION

Every project starts with adjusting its own database. At this first stage we take into account all data provided by customers concerning materials, connections, insulation and services types of ducts and pipes to model HVAC components in the most authentic way.



COMPONENTS LIBRARY

< LS	<= SS	Gauge	STD Straight	Connector (In)	Connector (Out)	Connector (Sqr-Rnd)	Seam	Stiffener
12,000	12,000	26	24,000	S&D	Not Used	Not Used	PITTS-S	None
26,000	18,000	26	24,000	Standing S&D	Not Used	Not Used	PITTS-S	None
26,000	26,000	24	24,000	TDC	Not Used	Not Used	PITTS-S	None
30,000	30,000	22	24,000	TDC	Not Used	Not Used	PITTS-S	None
84,000	84,000	22	24,000	TDC	Not Used	Not Used	PITTS-S	None
96,000	48,000	20	24,000	TDC	Not Used	Not Used	PITTS-S	None
108,000	108,000	20	24,000	TDC	Not Used	Not Used	PITTS-S	None
999,000	999,000	20	24,000	TDC	Not Used	Not Used	PITTS-S	None

CONNECTORS TYPES

< Dim	Insulation Material
9999,000	Thermal Lagging x,1,000

INSULATION TYPES

Actions	Backup Job(s) Found
Create	
Add Link	
Recent Jobs	

MAIN MENU

A) Width	B) Depth	C) Angle	D) Top Extension	E) Bottom Extension	F) Inner Radius	G) Standing S&D
3000	16,000	90,000	2,000	2,000	Half Width	
Item No	Material	Specifcation	Connecotr #1	Connecotr #2	Seam #1	M-Rate
1	Galvanized	+2 WG	Standing S&D	Standing S&D	PITTS-S	
		Insul. Set				
		Connecotr #3				
		Connecotr #4				
		Connecotr #5				
		Connecotr #6				
		Connecotr #7				
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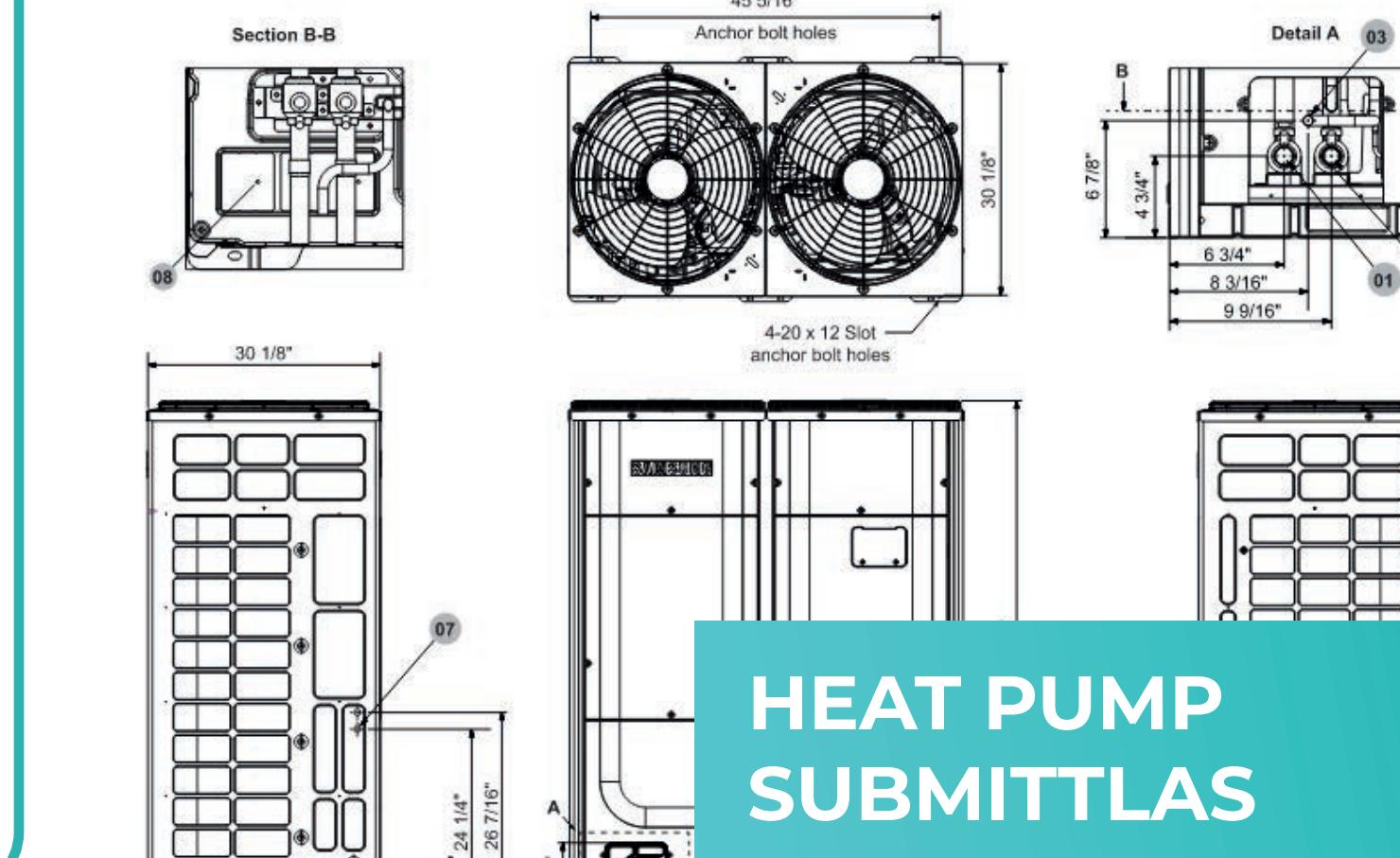
FAMILIES PREPARATION

Using submittals information we download all necessary families from official manufacturer websites or create these families ourselves if they aren't available on the internet. This approach can guarantee 100% model conformity to clients requirements.

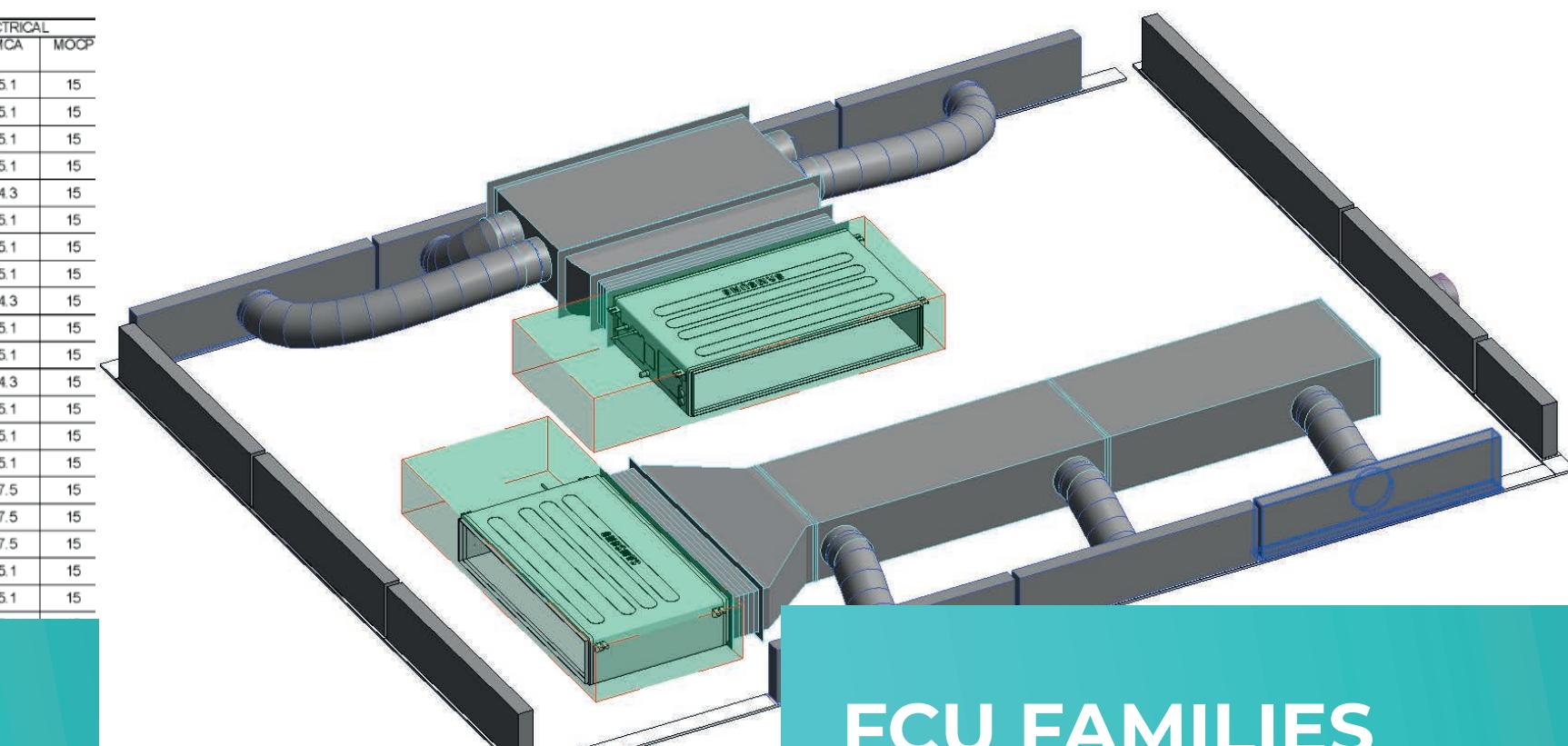
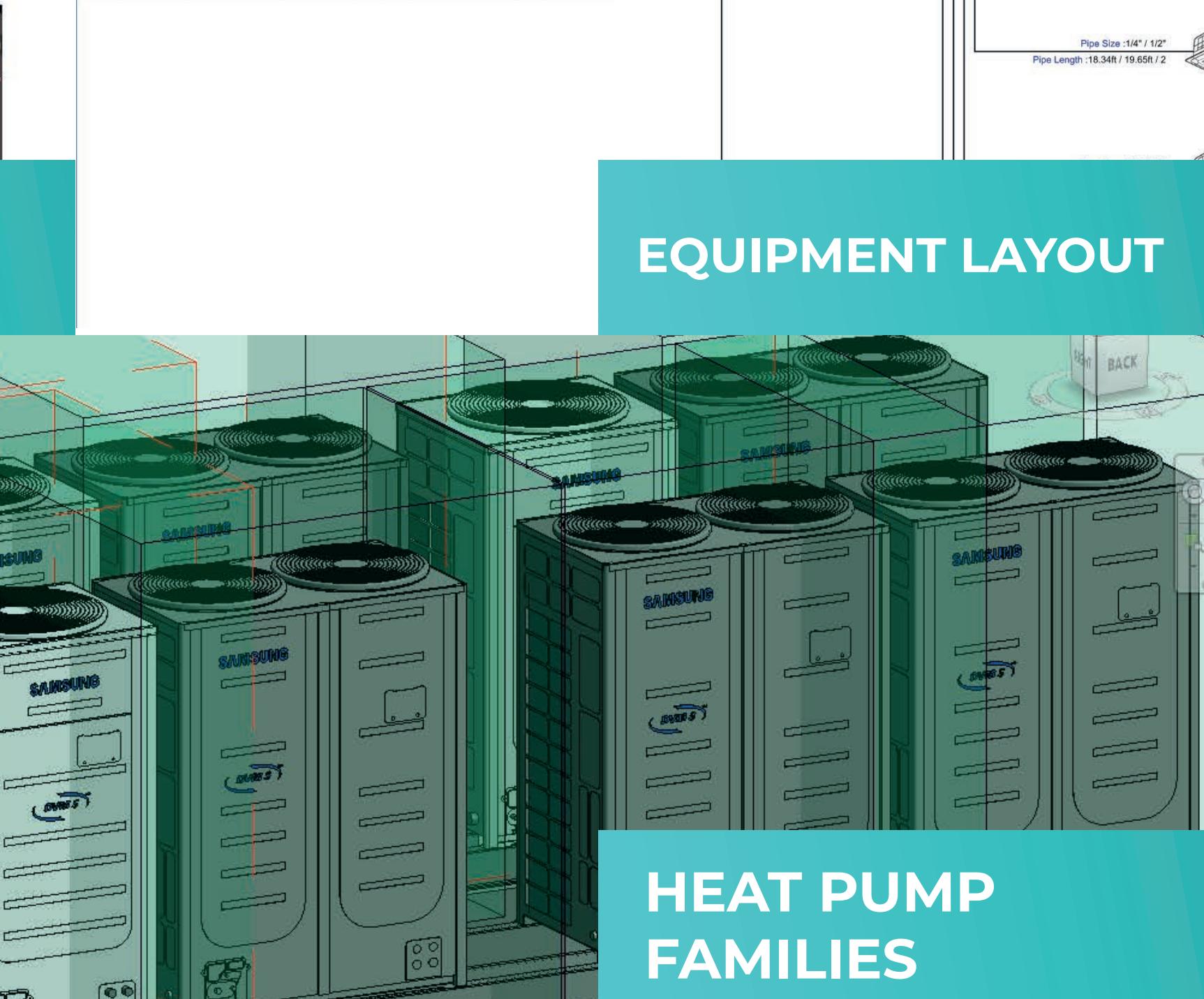
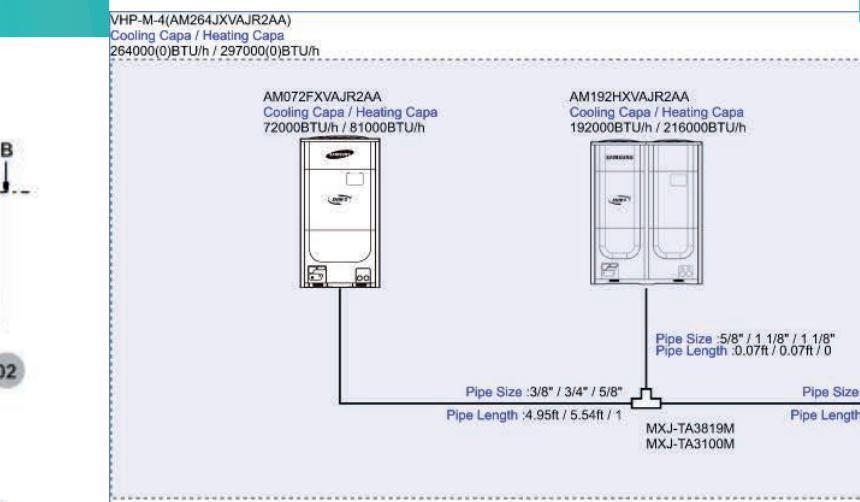


MARK	NOMINAL CAPACITY (TONS)	SERVICE	MANUFACTURER	MODEL	SUPPLY FAN			COOLING			HEAT PUMP HEATING CAPACITY			MIN. O/A (CFM)	ELECTRICAL			
					AIRFLOW (CFM)	MIN HP	ESP (IN)	TOTAL SENSIBLE (MBH)	EAT DB/WB (°F)	H/PUMP MBH	AMBIENT DB (°F)	EAT (°F)	LAT (°F)		V/PH	MCA	MOOP	
FCU-A1	2	1st FLR CDO	FIRST COMPANY	31H00-C	800	0.5	0.3	19.5	15.9	80/67	23.4	32.0	63.6	90.8	135	208/1	5.1	15
FCU-A2	2	1st FLR CDO	FIRST COMPANY	31H00-C	800	0.5	0.3	19.5	15.9	80/67	23.4	32.0	63.6	90.8	135	208/1	5.1	15
FCU-A3	2	1st FLR CDO	FIRST COMPANY	31H00-C	800	0.5	0.3	19.5	15.9	80/67	23.4	32.0	63.6	90.8	135	208/1	5.1	15
FCU-A4	2	2nd FLR CDO	FIRST COMPANY	31H00-C	800	0.5	0.3	19.5	15.9	80/67	23.4	32.0	63.6	90.8	135	208/1	5.1	15
A5	3	2nd FLR CDO	FIRST COMPANY	37H00-C	1,200	0.5	0.3	27.0	21.6	80/67	34.1	32.0	65.7	92.2	135	208/1	4.3	15
A6	2	2nd FLR CDO	FIRST COMPANY	31H00-C	800	0.5	0.3	19.5	15.9	80/67	23.4	32.0	63.6	90.8	135	208/1	5.1	15
A7	2	3rd FLR CDO	FIRST COMPANY	31H00-C	800	0.5	0.3	19.5	15.9	80/67	23.4	32.0	63.6	90.8	135	208/1	5.1	15
A8	2	3rd FLR CDO	FIRST COMPANY	31H00-C	800	0.5	0.3	19.5	15.9	80/67	23.4	32.0	63.6	90.8	135	208/1	5.1	15
A9	3	3rd FLR CDO	FIRST COMPANY	37H00-C	1,200	0.5	0.3	27.0	21.6	80/67	34.1	32.0	65.7	92.2	135	208/1	4.3	15
A10	2	4th FLR CDO	FIRST COMPANY	31H00-C	800	0.5	0.3	19.5	15.9	80/67	23.4	32.0	63.6	90.8	135	208/1	5.1	15
A11	2	4th FLR CDO	FIRST COMPANY	31H00-C	800	0.5	0.3	19.5	15.9	80/67	23.4	32.0	63.6	90.8	135	208/1	5.1	15
A12	3	4th FLR CDO	FIRST COMPANY	37H00-C	1,200	0.5	0.3	27.0	21.6	80/67	34.1	32.0	65.7	92.2	135	208/1	4.3	15
A13	3	GYM	CARRIER	FX4DNB037	1,200	0.5	0.3	31.2	24.3	80/67	28.6	32.0	60.5	82.7	300	208/1	5.1	15
A14	3	GYM	CARRIER	FX4DNB037	1,200	0.5	0.3	31.2	24.3	80/67	28.6	32.0	60.5	82.7	300	208/1	5.1	15
A15	3	YOGA RM	CARRIER	FX4DNB037	1,200	0.5	0.3	31.2	24.3	80/67	28.6	32.0	63.7	85.8	200	208/1	5.1	15
A16	5	OFFICES	CARRIER	FX4DNB061	1,900	1.0	0.5	49.7	37.9	80/67	58.7	32.0	60.5	87.9	500	208/1	7.5	15
A17	5	LOUNGE	CARRIER	FX4DNB061	1,900	1.0	0.5	49.7	37.9	80/67	58.7	32.0	60.5	87.9	500	208/1	7.5	15
A18	5	LOUNGE	CARRIER	FX4DNB061	1,900	1.0	0.5	49.7	37.9	80/67	58.7	32.0	60.5	87.9	500	208/1	7.5	15
B1	2	1st FLR CDO	FIRST COMPANY	31H00-C	800	0.5	0.3	19.5	15.9	80/67	23.4	32.0	64.3	91.5	120	208/1	5.1	15
B2	2	1st FLR CDO	FIRST COMPANY	31H00-C	800	0.5	0.3	19.5	15.9	80/67	23.4	32.0	64.3	91.5	120	208/1	5.1	15
B3	2	2nd FLR CDO	FIRST COMPANY	31H00-C	800	0.5	0.3	19.5	15.9	80/67	23.4	32.0	64.3	91.5	120	208/1	5.1	15
B4	2	2nd FLR CDO	FIRST COMPANY	31H00-C	800	0.5	0.3	19.5	15.9	80/67	23.4	32.0	64.3	91.5	120	208/1	5.1	15
B5	2	3rd FLR CDO	FIRST COMPANY	31H00-C	800	0.5	0.3	19.5	15.9	80/67	23.4	32.0	64.3	91.5	120	208/1	5.1	15
B6	2	3rd FLR CDO	FIRST COMPANY	31H00-C	800	0.5	0.3	19.5	15.9	80/67	23.4	32.0	64.3	91.5	120	208/1	5.1	15
B7	2.5	4th FLR CDO	FIRST COMPANY	32H00-C	1,000	0.5	0.3	27.0	21.6	80/67	34.1	32.0	64.3	91.5	120	208/1	5.1	15
B8	2.5	4th FLR CDO	FIRST COMPANY	32H00-C	1,000	0.5	0.3	27.0	21.6	80/67	34.1	32.0	64.3	91.5	120	208/1	5.1	15
B9	2	GAME ROOM	FIRST COMPANY	31H00-C	800	0.5	0.3	19.5	15.9	80/67	23.4	32.0	64.3	91.5	120	208/1	5.1	15
C1	2	OFFICES	AMERICAN STANDARD	TMM4A0B36	1,075	0.5	0.3	31.2	24.3	80/67	28.6	32.0	60.5	82.7	300	208/1	5.1	15

MECHENICAL SCHEDULE

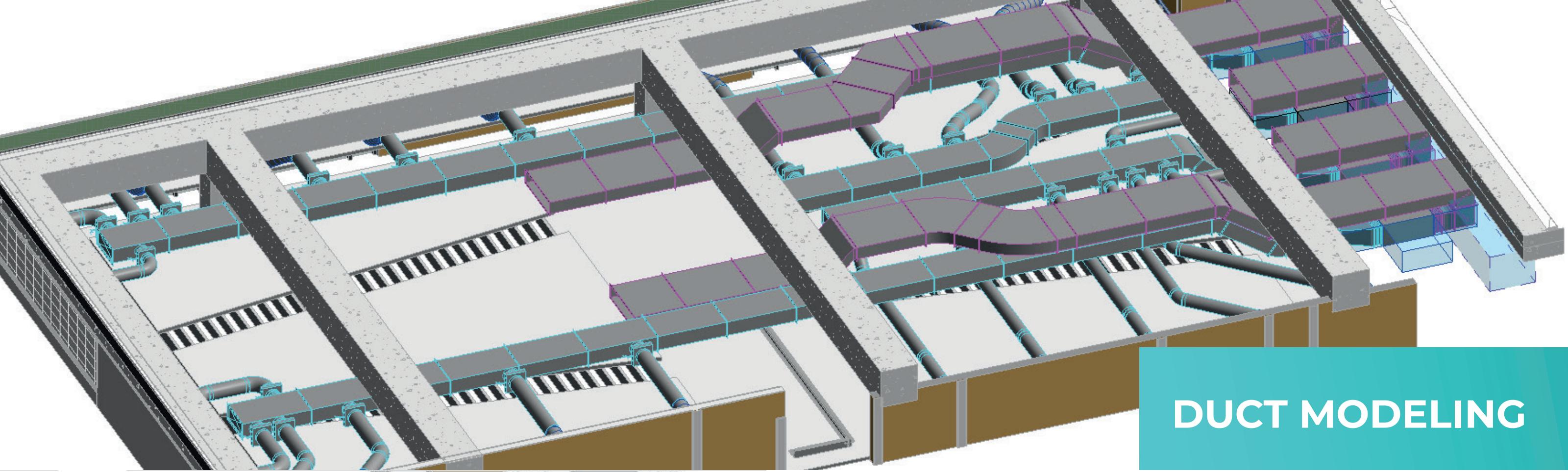


HEAT PUMP SUBMITTLAS

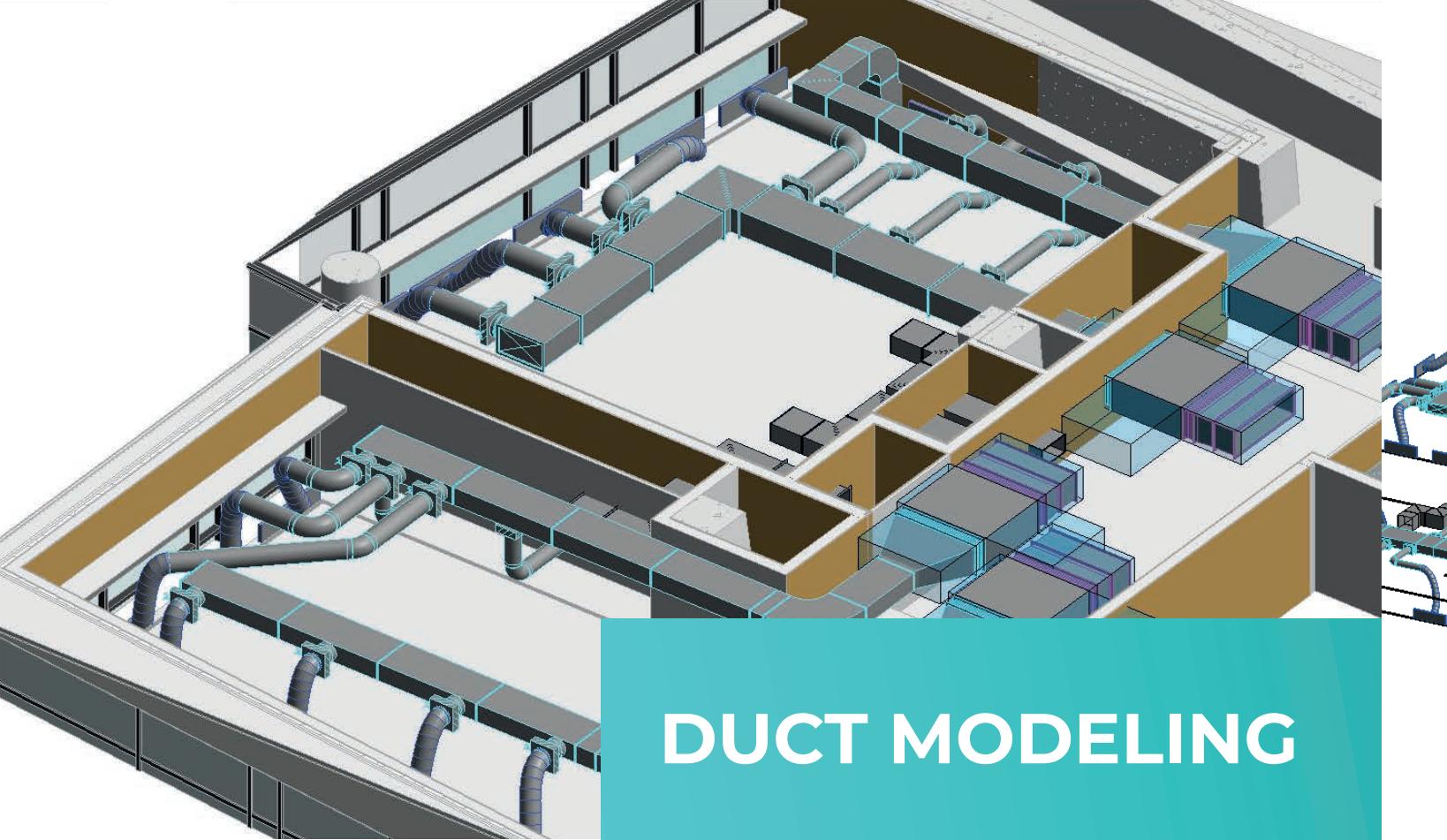


MODELING PROCESS

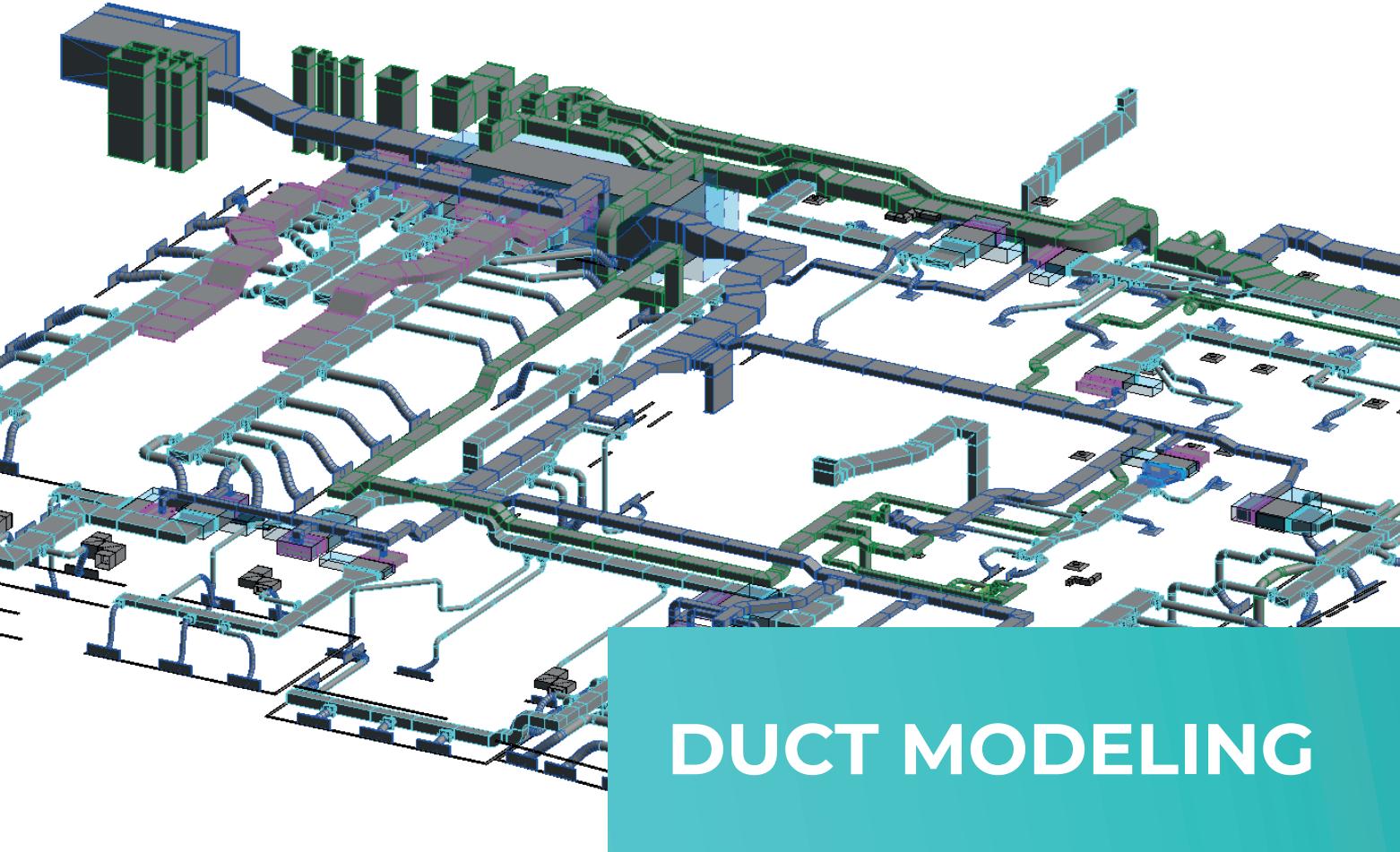
We can offer modeling HVAC systems “from zero” by contract drawing or converting existent models created using generic Revit components. These tasks our team implements using CAMduct or SysQue software depending on the wishes of the customer.



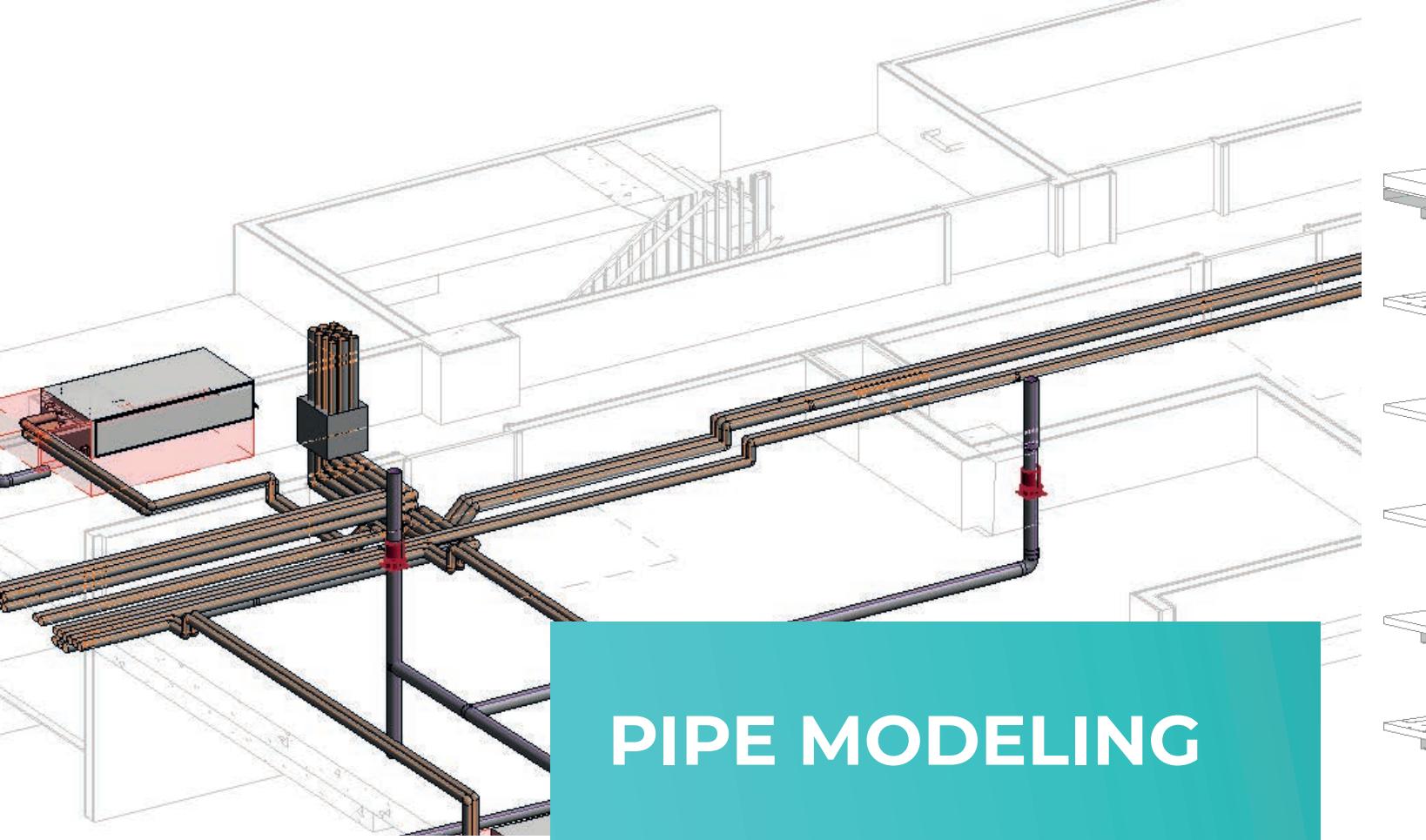
DUCT MODELING



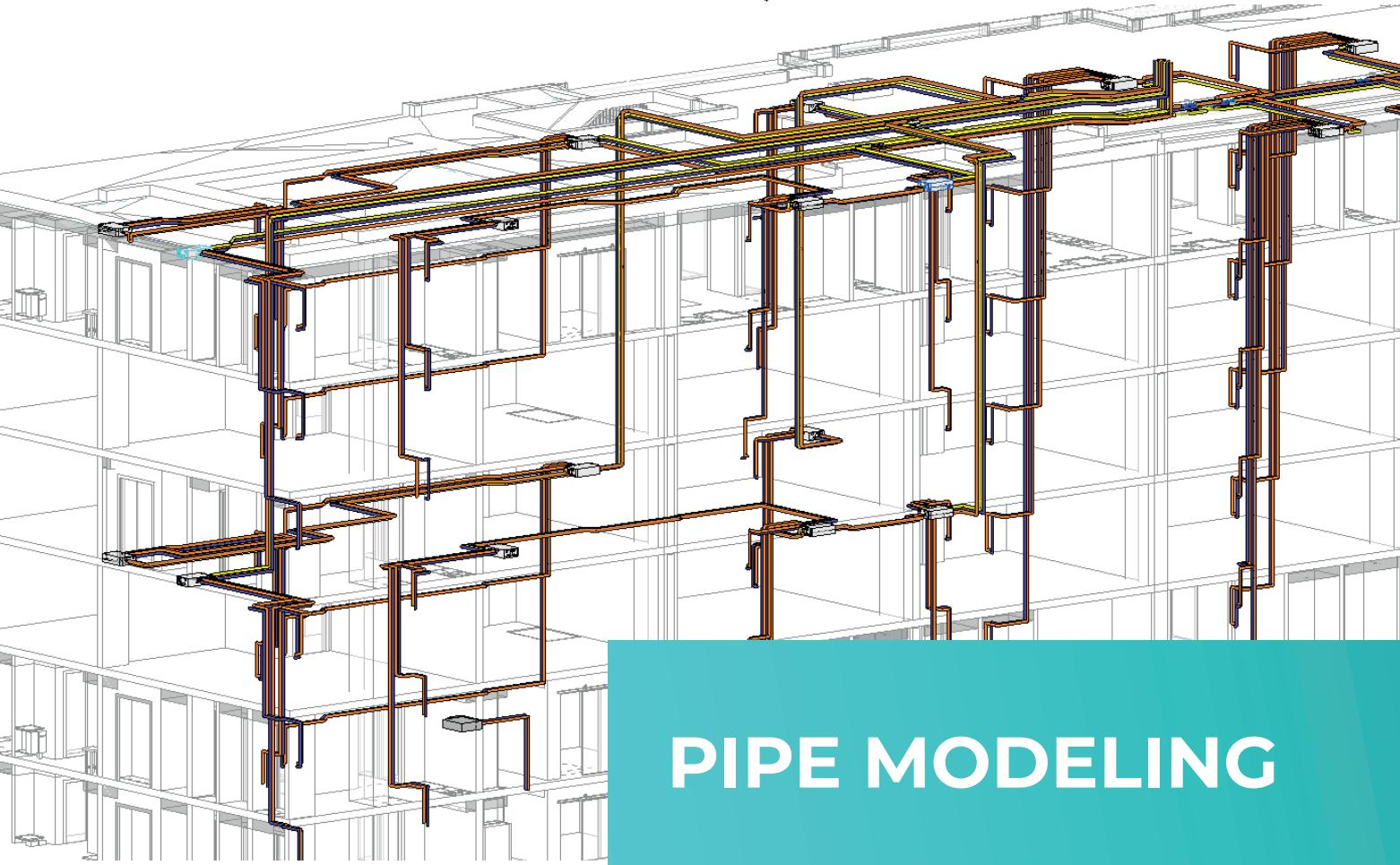
DUCT MODELING



DUCT MODELING



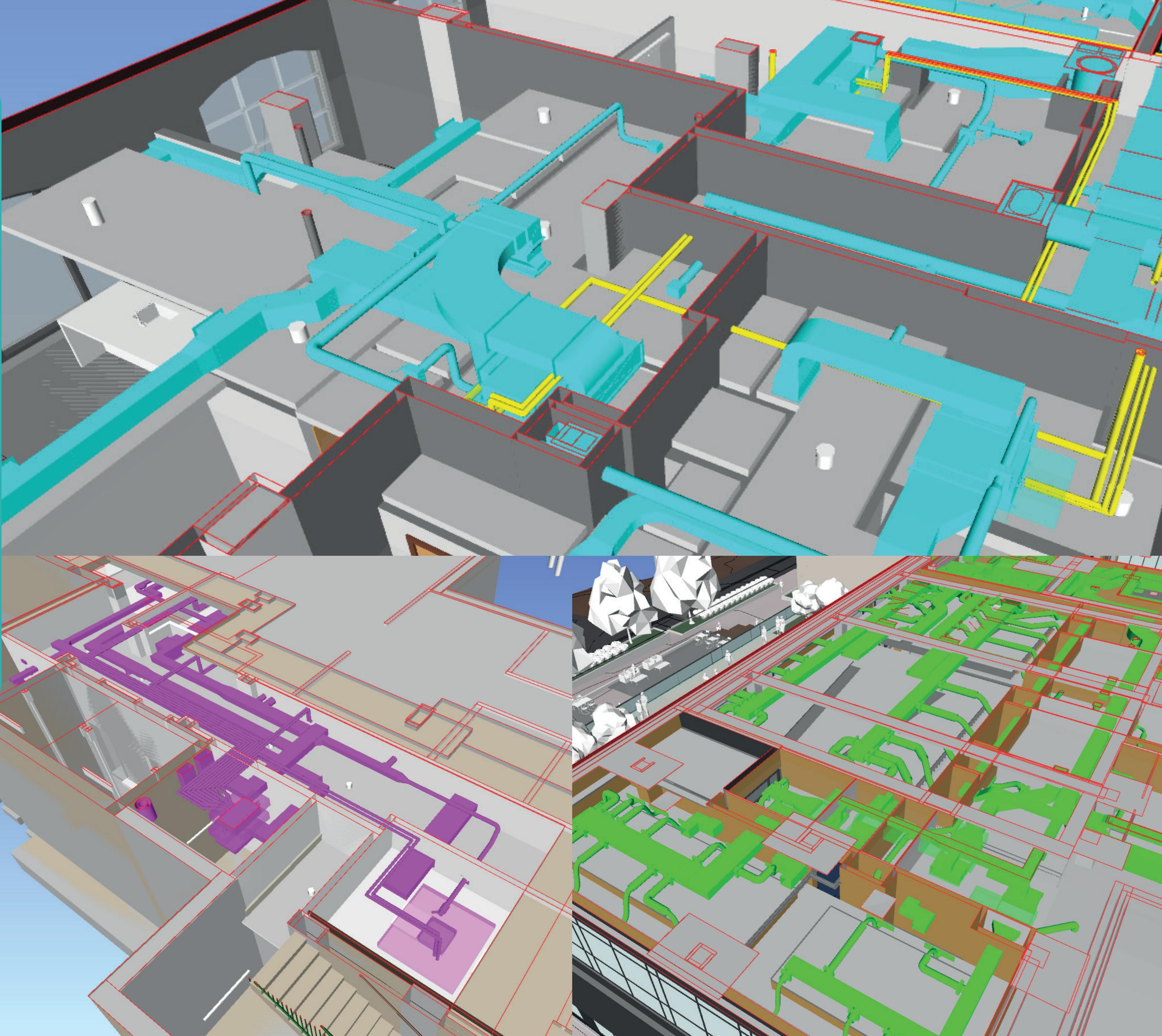
PIPE MODELING



PIPE MODELING

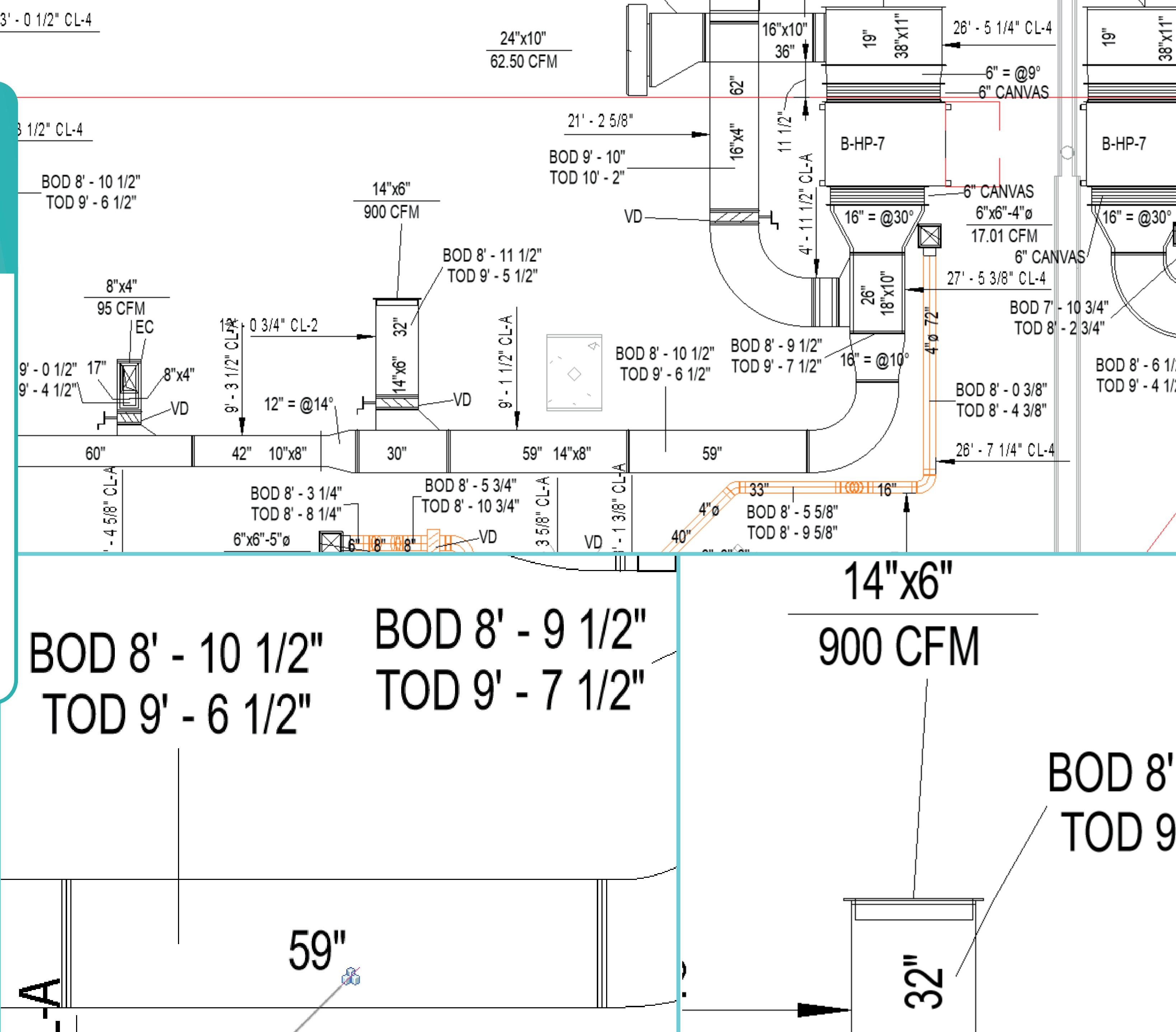
COORDINATION PROCESS

At this stage we have two main objectives: find and solve all interdisciplinary clashes which occur, optimize ducts and pipes routing to achieve a balance between system efficiency and its moderate cost.



DRAWINGS CREATION

During the drawings creation process we always try to represent all required information about HVAC components and optimize them to make drawings not only informative but convenient in usage.



SPOOLS CREATION

The final stage of our work is Spools creation. We provide to our clients spool maps and worksheets, that consist of all demanded information for duct creation and installation.



The screenshot displays a CAD application for ductwork design. On the left, a 3D view shows a long duct section with various fittings and a transition. A callout points to a specific part of the duct with numbered labels 1 through 7. Labels include '59°' for bends, '18"X8"', and '16" = @18°'. On the right, the software's ribbon menu is visible with tabs like 'File', 'Utilities', 'View', etc. Below the ribbon is a toolbar with icons for 'Job Browser', 'Save Job', 'Close Job', 'Job Information', and 'Job Contents'. The main workspace shows a table titled 'Items' with sections for 'All Sections'. The table lists components with their item numbers, names, sizes, and quantities. To the right of the table are four detailed 'Description: Spigot' and 'Description: Socket' tables, each with dimensions A=Width=10, B=Depth=6, C=Length=4, and various connection details. The bottom of the screen shows a 'Custom Data #5' section.

Connector ...	Item No	Name	Size	Qty
	127	Cap	16.000 x 8.0...	1
S&D	128	Straight	16.000 x 8.0...	59.000 (inch)
S&D	129	Straight	16.000 x 8.0...	59.000 (inch)
S&D	130	Straight	16.000 x 8.0...	59.000 (inch)
S&D	131	Straight	16.000 x 8.0...	59.000 (inch)
S&D	132	Straight	16.000 x 8.0...	59.000 (inch)
S&D	133	Radius Bend	16.000 x 8.0...	1
S&D	134	Straight	16.000 x 8.0...	57.000 (inch)
S&D	135	Straight	16.000 x 8.0...	59.000 (inch)
S&D	136	Straight	16.000 x 8.0...	59.000 (inch)
S&D	137	Straight	16.000 x 8.0...	46.000 (inch)
TDC	138	Transition	22.000 x 8.0...	1
TDC	139	Straight	22.000 x 8.0...	56.250 (inch)
TDC	140	Straight	22.000 x 8.0...	56.250 (inch)
TDC	141	Straight	22.000 x 8.0...	74.250 (inch)
TDC	142	Radius Bend	22.000 x 8.0...	1
TDC	143	Straight	22.000 x 8.0...	56.250 (inch)

QUALITY



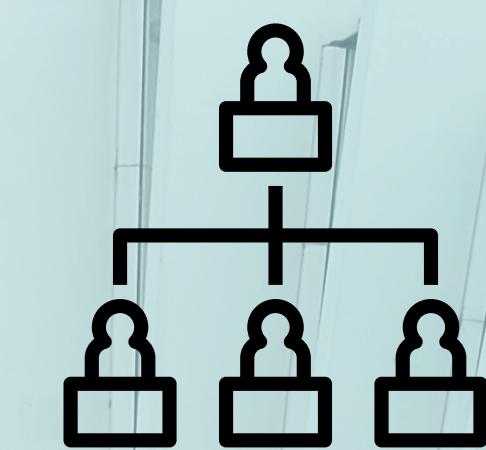
REVIEWING

- Verification using BIMprove Add-In or check-list
- Checking the 3D model against engineering logic
- Reviewing drawings by customer requirements



DEVELOPMENT

- Continuous development of Add-In and Dynamo Scripts
- Development and constant updating of the template
- Developing parametric families
- Creating our own database



ORGANIZATION

- Unique project management technologies
- Individual approach in communication with the client
- Continuous analysis of the finished work

YOUR BUSINESS DESERVES OUR FIVE-STARS:



HIGHING QUALITY

Elevate your business with high-quality services



NON-STANDARD TASKS SOLUTIONS

Rely on us for creative solutions to unique and challenging tasks.



HELP IN WORK PROCESS ORGANIZATION

Benefit from our expertise in streamlining the work process for optimal organization.



COMMUNICATION 24/7

Benefit from constant communication with a dedicated project manager available 24/7



QUICK PROJECT ADJUSTMENT

Enjoy quick and seamless adjustments based on feedback.

CONTACTS



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