

Mohamed Dhansir.B B.E., (Mech)

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Educational qualification

B.E., Mechanical Engineering May 2020 K.S.K College of Engineering And Technology, Darasuram, Tamilnadu

About me:

Father's Name : Bakrudeen Ali M

Date of Birth : 30-04-1999

Sex : MaleNationality : Indian

Marital Status : UnmarriedLanguage : English, Tamil

Experience 01:

Company : Eye design solutions, Kumbakonam

Job description : Junior Design Cum Draftsman

Duration : Jan 2021 - Till now

Job responsibilites:

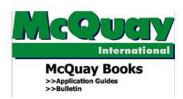
- To carry out the design/drafting of Mechanical-Electrical-Plumbing-Fire Fighting service using latest Revit MEP & Auto Cad and MEP works for Residential, Commercial, Industrial and Application.
- Loading with MEP Engineering to gather information and requirements applicable for MEP Design.
- Preparing Revit BIM Model & Checking for clash detection with other service.
- Prepares final drawing by studying MEP sketches and supporting documents developing layout.
- Preparing 3D Model and visualization.
- · Preparing of layout accounting to local and international standards.
- Able to read/check drawing pick up quality from drawings.
- Create and modify drawing for all existing and new project under general supervision.
- Create detailing MEP Design drawing using Auto Cad and Revit program.
- Able to perform draft SLD and basic calculation .Preparing presentation drawing in Auto Cad.
- Preparing of fabrication drawing and developing the plan room layout and sectional detail.
- Problem solved by manual and software. Receiving Emergency work and Finishing in time
- To prepare all tender document and BOQ with priced and unpriced.

Software Known:















INDEX

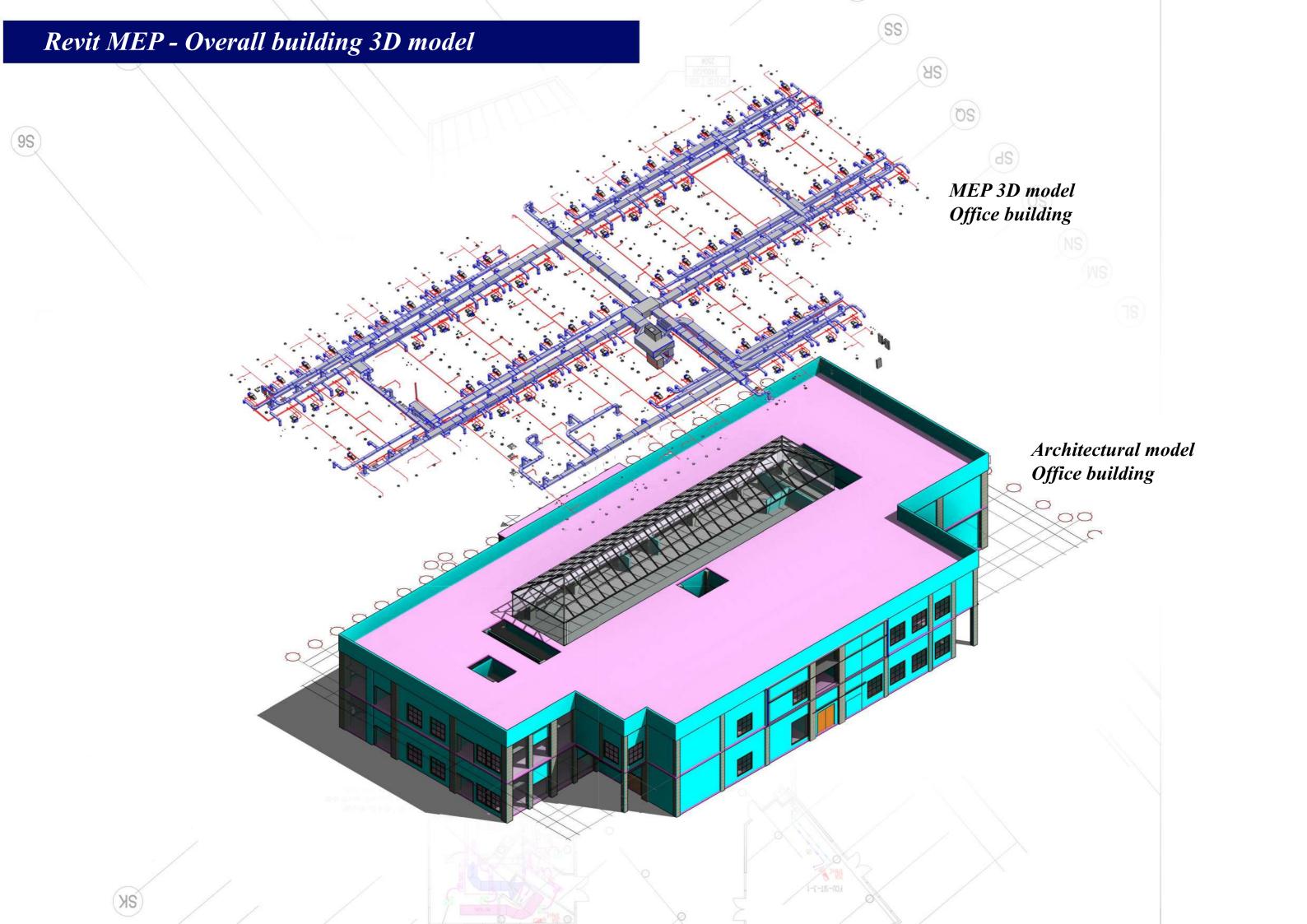
HVAC

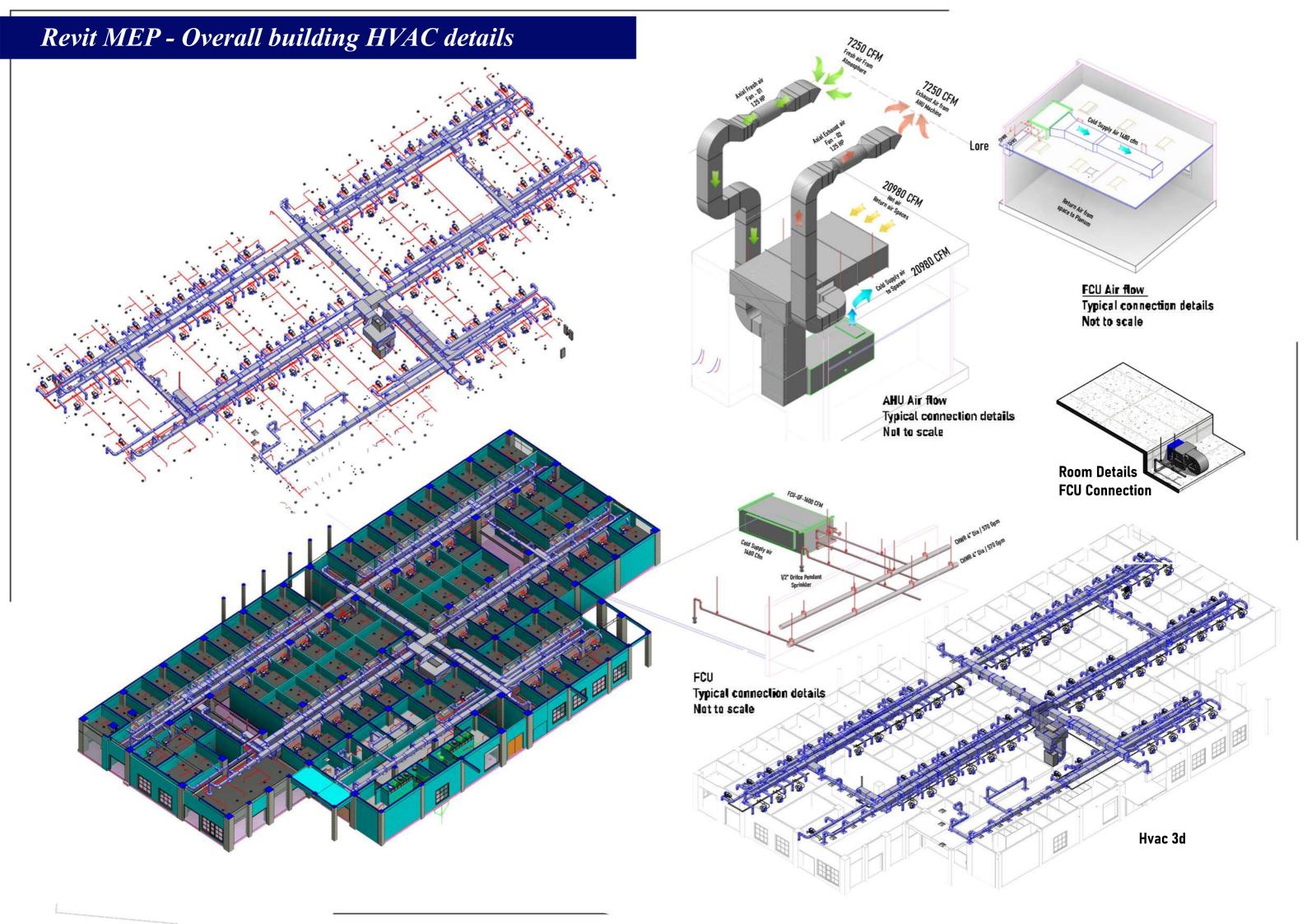
Fire fighting

Plumbing

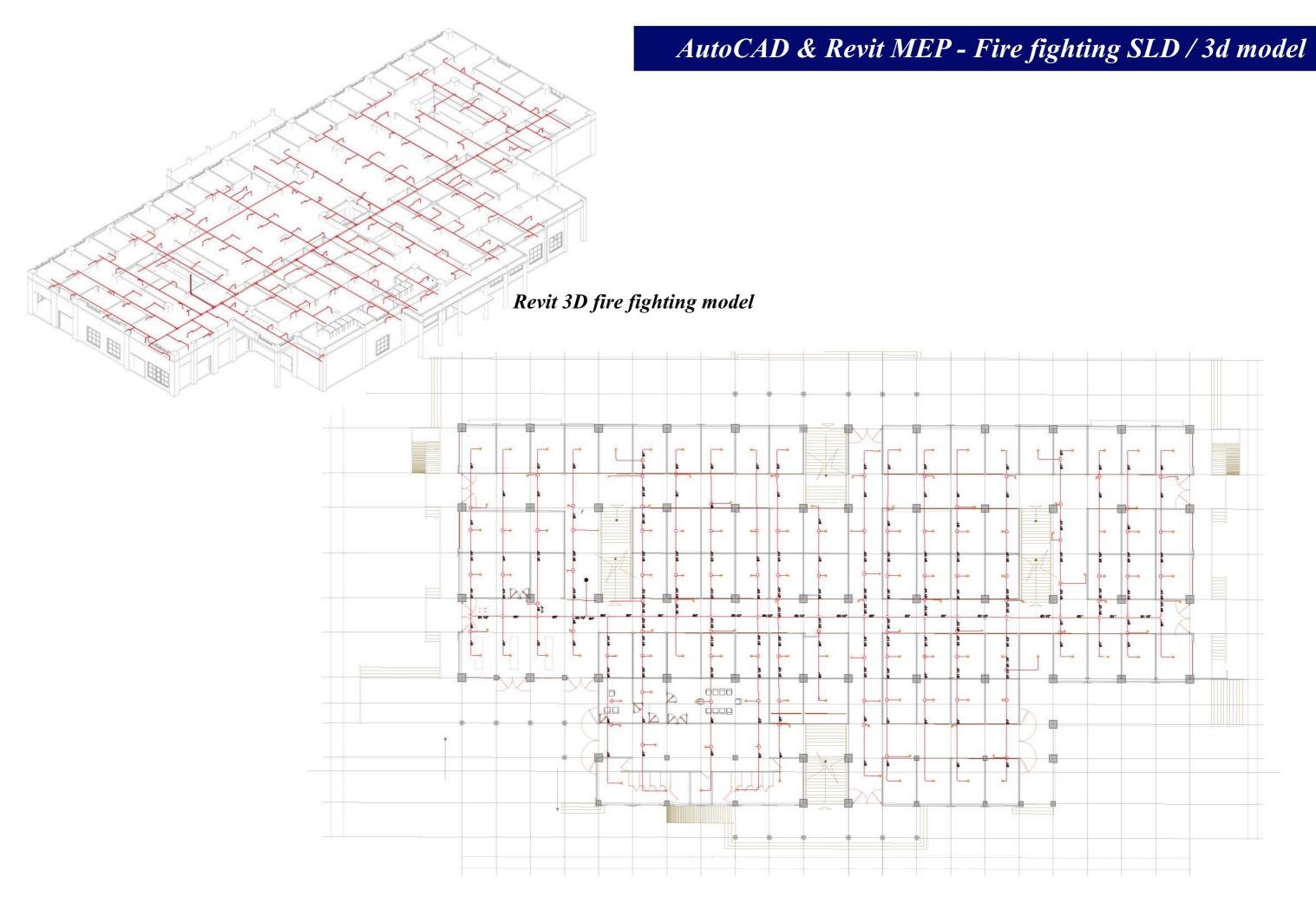
Electrical

3405.0F MIN. 365L/S EACH) 01. Revit MEP - Overall building 3d model 02. Revit MEP - Overall building HVAC details 03. Hap - Hourly Analysis Program- Heat load calculation E20 format 04. AutoCAD & Revit MEP - HVAC SLD/3D model 05. Mcquay Ductsizer and pipe sizer (N) 4057 06. Revit MEP - Duct sizing using equal friction method 07. AutoCAD & Revit MEP- Fire Fighting SLD/3D model 08. Elite fire - hydraulic calculation as per NFPA standard 09. Revit MEP - Plumbing model 10. Revit MEP - Domestic cold water pipe sizing using velocity limitation 11. AutoCAD - Overall building electrical load schedule 12. AutoCAD - Electrical load schedule & panel schedule 13. Revit MEP - Electrical load schedule & Panel layout 14. Dialux Evo - Lighting design indoor and outdoor design 15. Revit MEP - Electrical BOQ 16. Revit MEP - Co-ordination model with and without building



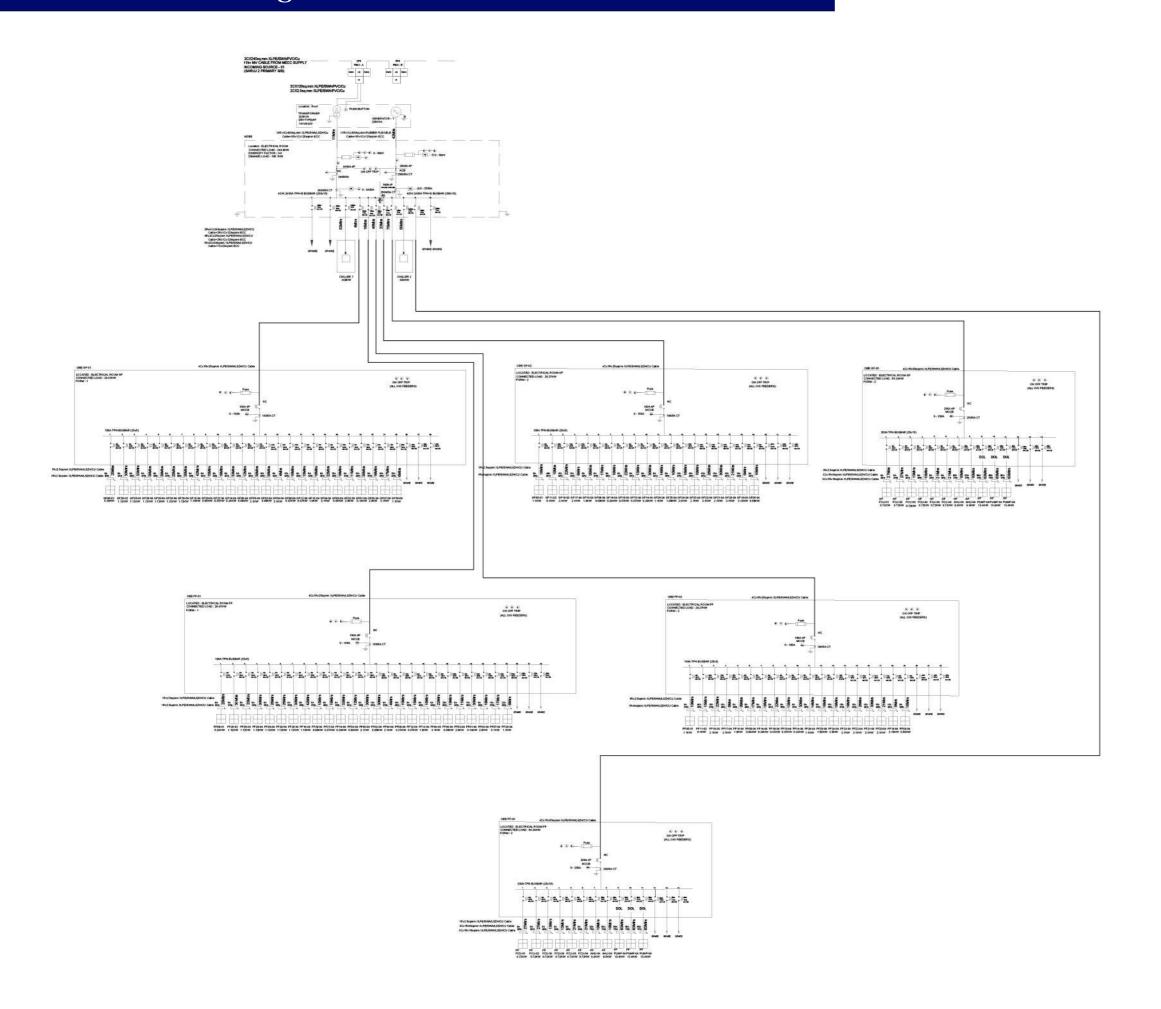


HVAC single line Drawing

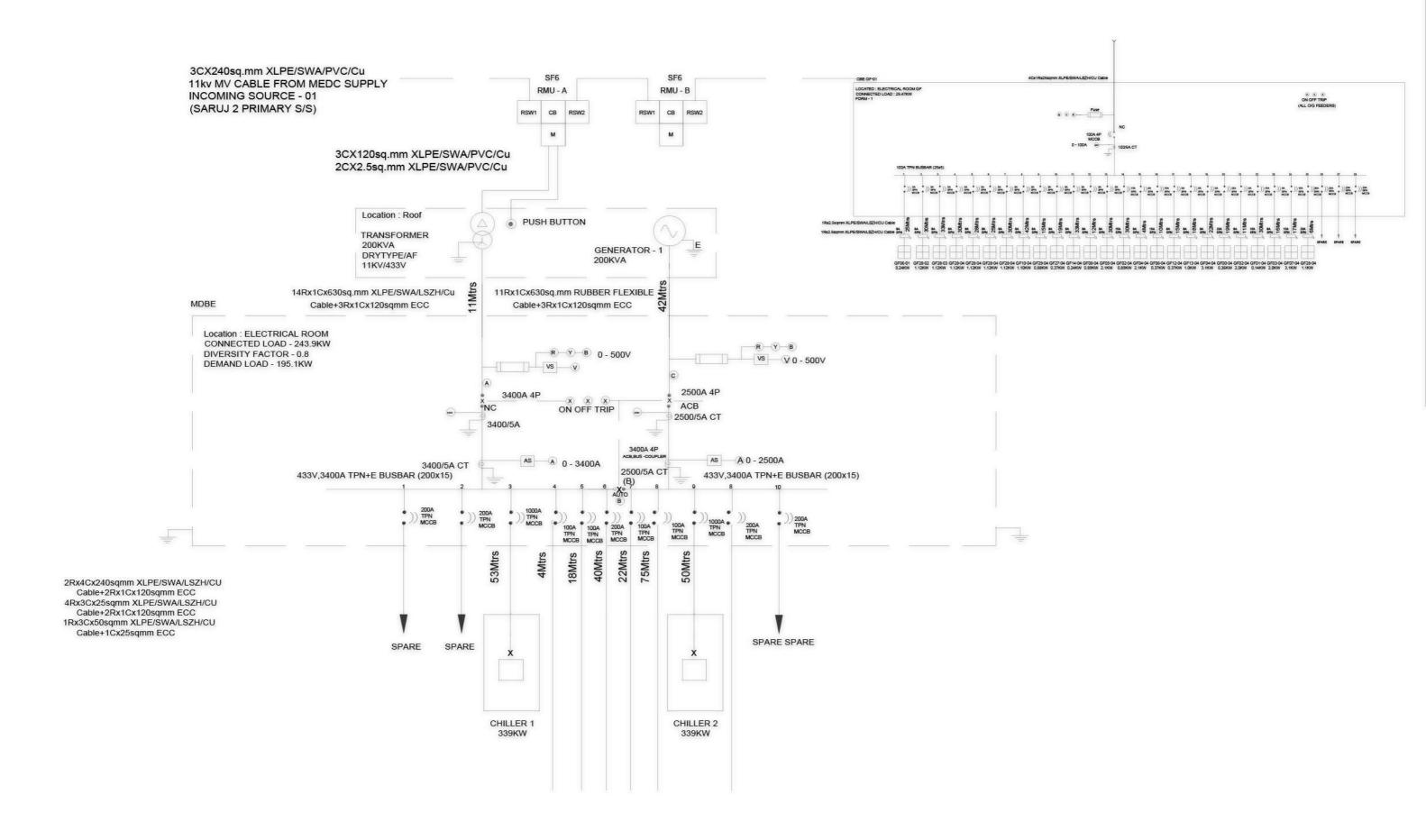


AutoCAD 2D fire fighting model

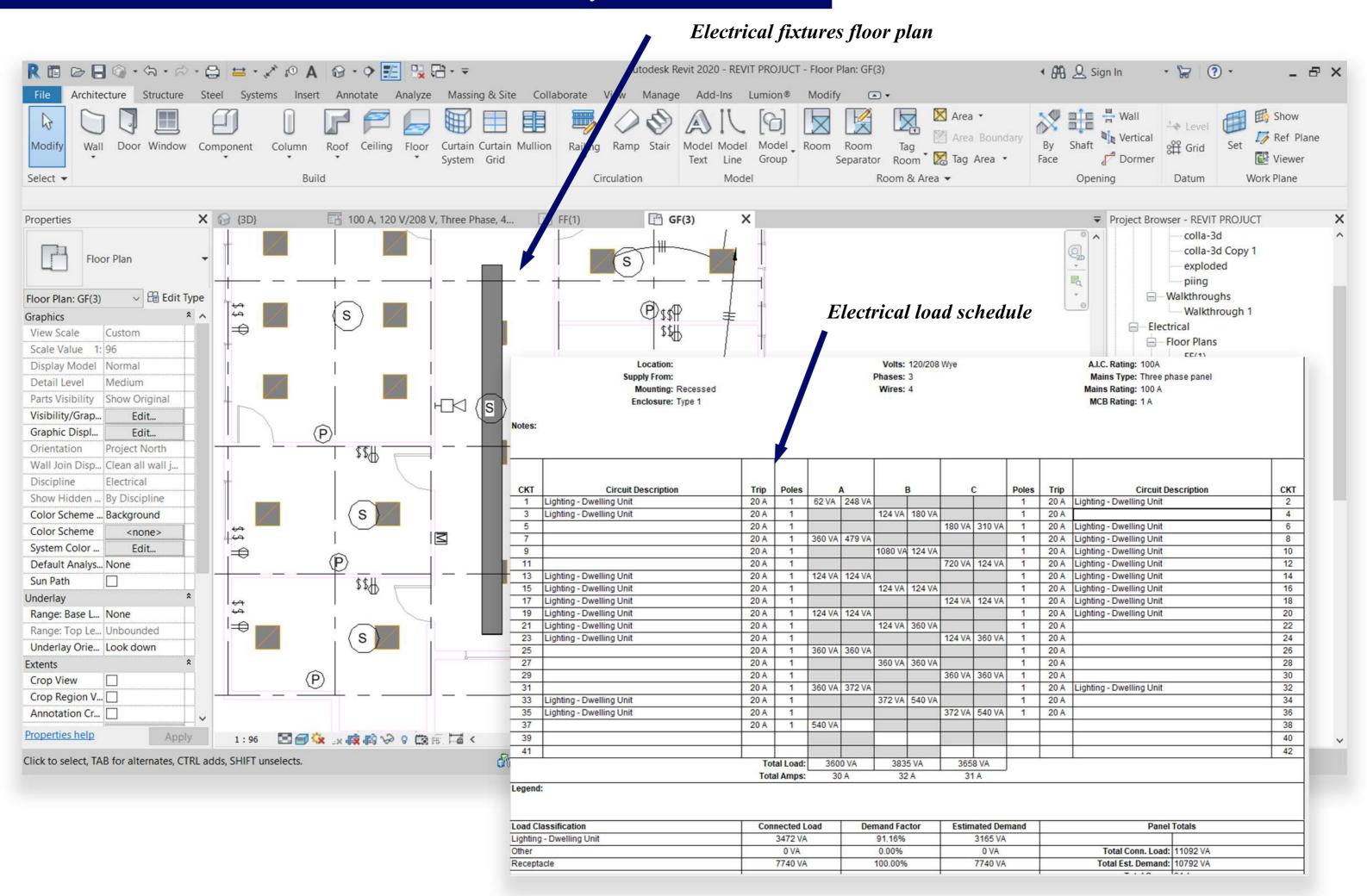
AutoCAD - Overall building electrical load schedule



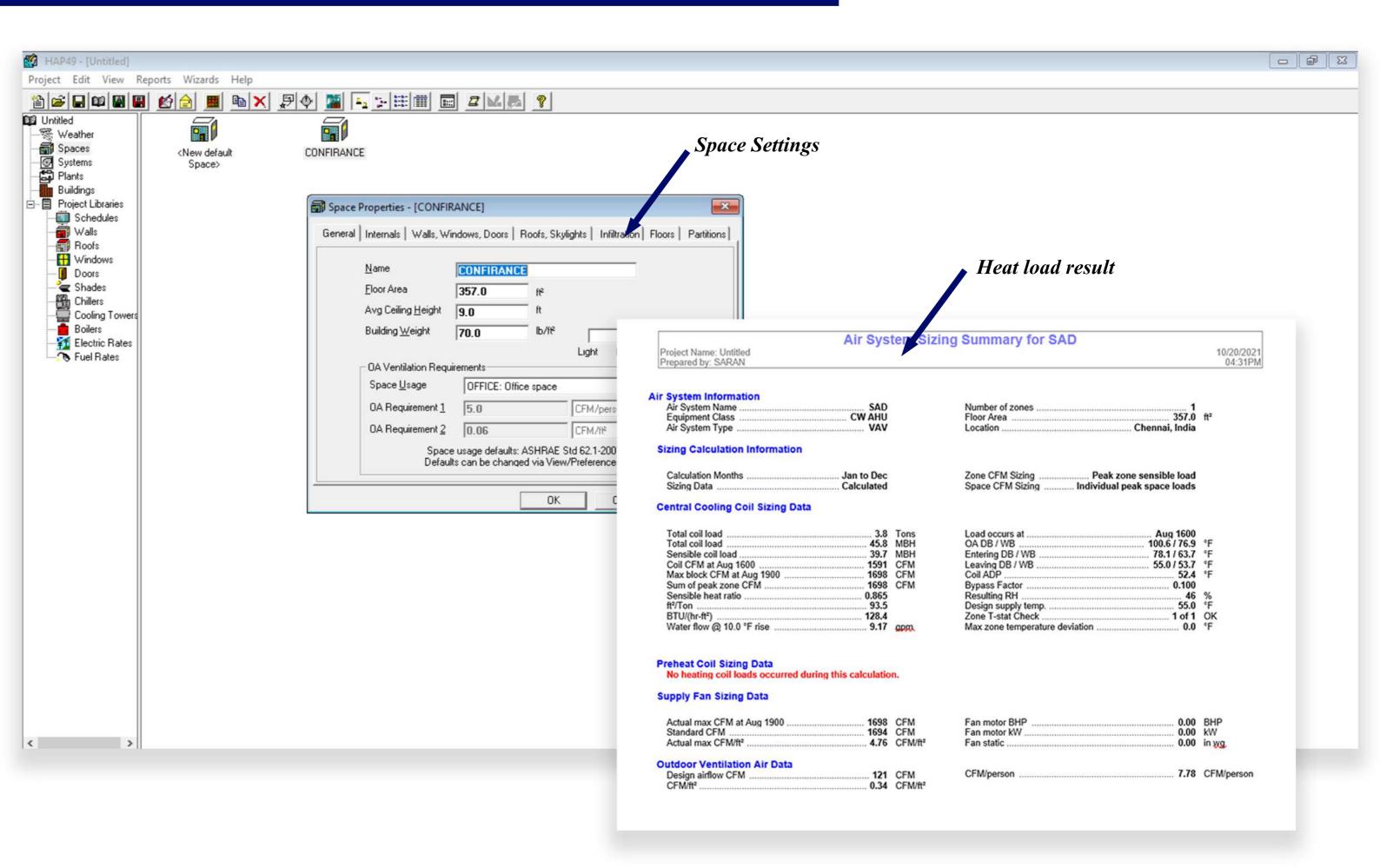
AutoCAD - Electrical load schedule & Panel Schedule



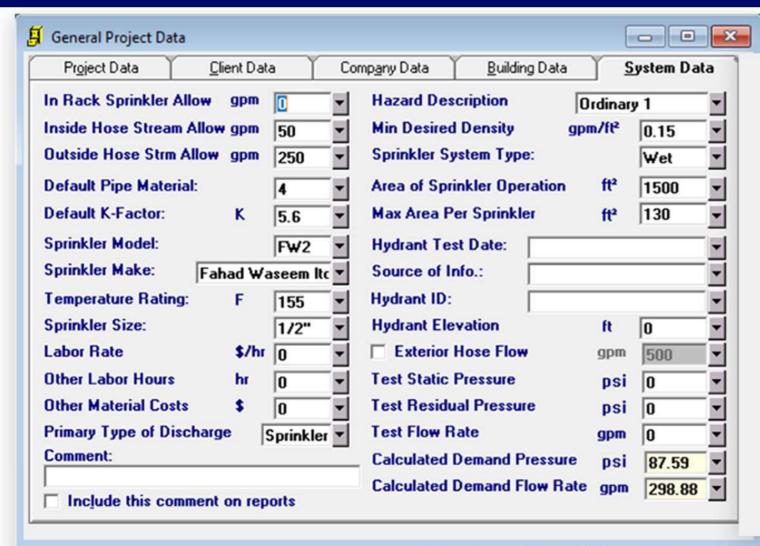
Revit MEP - Electrical load schedule & Panel layout



Hap - Hourly Analysis Program - Heat load calculation E20 format



ELite fire - Hydraulic calculation as per NFPA standard



	Pipe Da	ata	1	Global E	ditor	Ĭ	Tree Builder	Ĭ	Grid Build	er
dd Pipe	Del	ete Pipe	Sort Pipe	Clear Pip	pe Mark In	flow Node	Unmark Inflow Node	CPLD		
Beg End	Mat Loss	Dia in psi Len ft		K Sprk	Press ft Est psi	4.3	Area NSprk Grp Flow ^{gpm}	Std Fit NStd ft	Eq Len ft P Type	Status
0	4	1.0	5.6	90.0	12.13	0.0	▼ 0.0	E	14.0	Antino
2	·	12.0	5.6	90.0	13.86	0.0	▼ 0.0	0.0	0	Active .
2	4	1.0	5.6	90.0	13.86	0.0	▼ 0.0	T	17.0	Activo
3	•	12.0	▼ 5.6	90.0	21.97	0.0	▼ 0.0	0.0	0	Active
3	4	1.25	5.6	90.0	21.97	0.0	▼ 0.0	T	18.0	Activo
4	•	12.0	₹ 5.6	90.0	27.68	0.0	▼ 0.0	0.0	0	Active
4	4	1.5	5.6	90.0	27.68	0.0	▼ 0.0	T	14.0	Aatina
5	•	₹ 6.0	0.0	90.0	31.81	0.0	▼ 0.0	0.0	0	Active
5	4	₹ 2.0	▼ 0.0	90.0	31.81	0.0	▼ 0.0	T	22.0	Activo
10	·	12.0	0.0	90.0	▼ 33.73 ▼	0.0	▼ 0.0	0.0	0	Active
6	4	1.0	₹ 5.6	90.0	12.9	0.0	▼ 0.0	E	14.0	Active
7	-	▼ 12.0	₹ 5.6	₹ 90.0	▼ 14.74 ▼	0.0	▼ 0.0	0.0	0	Active

5	0.00	90.00	0.00	31.81	1,610	96.06	T	8.00	0.000
	SCHED	40 WET ST	EEL		120	15.14	0	14.00	4.126
6	5.60	90.00	20.11	12.90	1.00	0.00	0.13155	12.00	1.842
7	5.60	90.00	21.50	14.74	1.049	20.11	E	2.00	0.000
	SCHED	40 WET ST			120	7.47	0	14.00	1.842
7	5.60	90.00	21.50	14.74	1.00	0.00	0.50500	12.00	8.585
8	5.60	90.00	27.05	23.33	1.049	41.61	T	5.00	0.000
	SCHED	40 WET ST	EEL		120	15.45	0	17.00	8.585
8	5.60	90.00	27.05	23.33	1.25	0.00	0.33541	12.00	6.037
9	5.60	90.00	30.35	29.36	1,380	68.66	T	6.00	0.000
		40 WET ST			120	14.73	0	18.00	6.03
5	0.00	90.00	0.00	31.81	2.00	0.00	0.08728	12.00	1.920
10	0.00	90.00		33.73	2.067	96.06	T	10.00	0.00
		40 WET ST			120	9.18	0	22.00	1.92
9	5.60	90.00	30.35	29.36	1.50	0.00	0.31160	6.00	4.36
10		90.00		33.73	1,610	99.00	T	8.00	0.00
		40 WET ST		.34165	120	15.60	0	14.00	4.36
11	5.60	90.00	21,12	14.22	1.00	0.00	0.14399	12.00	2.01
12	5.60	90.00	22.57	16.24	1.049	21.12	E	2.00	0.00
	SCHED	40 WET ST			120	7.84	0	14.00	2.01
12	5.60	90.00	22.57	16.24	1.00	0.00	0.55253	12.00	9.39
13	5.60	90.00	28.35	25.63	1.049	43.69	T	5.00	0.00
	SCHED	40 WET ST	EEL		120	16.22	0	17.00	9.39
13	5.60	90.00	28.35	25.63	1.25	0.00	0.36658	12.00	6.59
14	5.60	90.00	31.79	32.23	1,380	72.04	T	6.00	0.00
		40 WET ST			120	15.45	0	18.00	6.59
10	0.00	90.00	0.00	33.73	2.50	0.00	0.13620	12.00	3.26
15	0.00	90.00	0.00	37.00	2.469	195.06	T	12.00	0.00
	COULED	40 WET ST			120	13.07	0	24.00	3.26

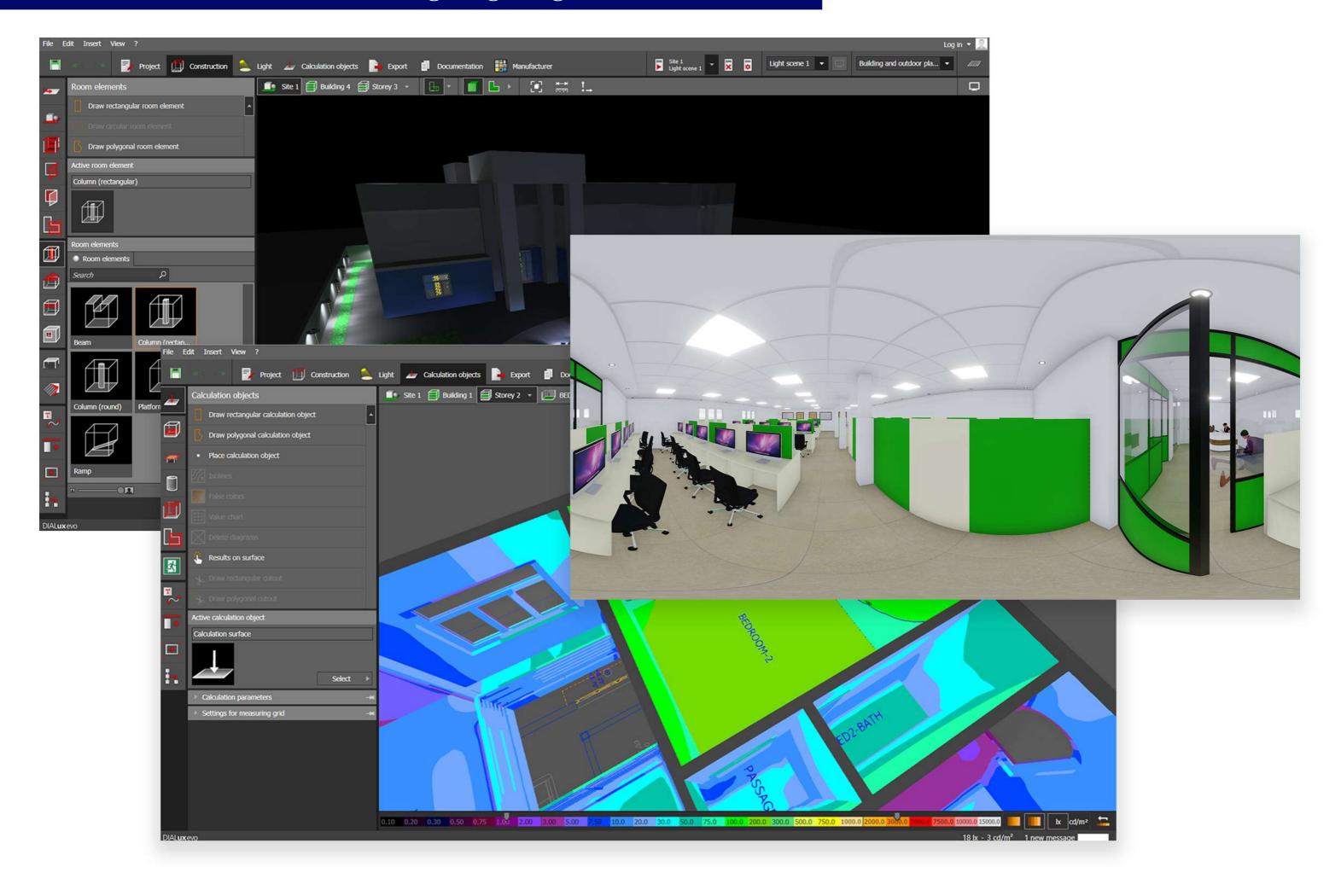
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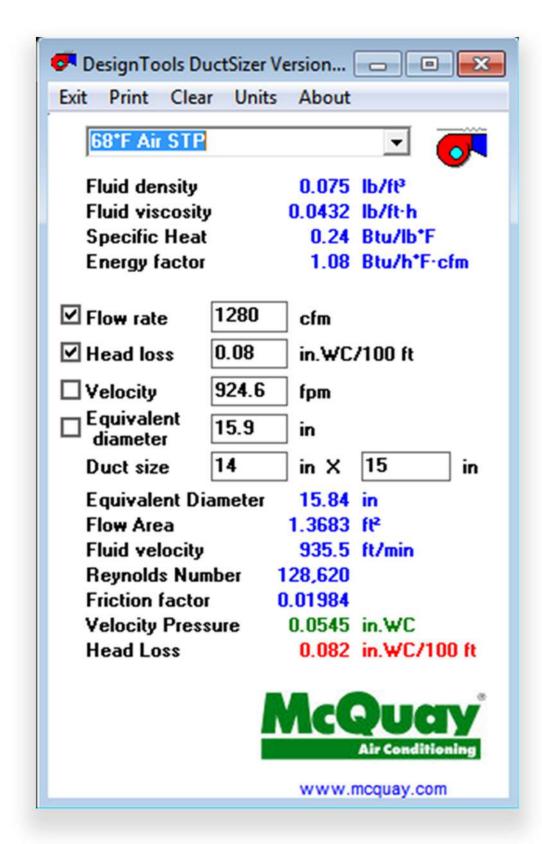
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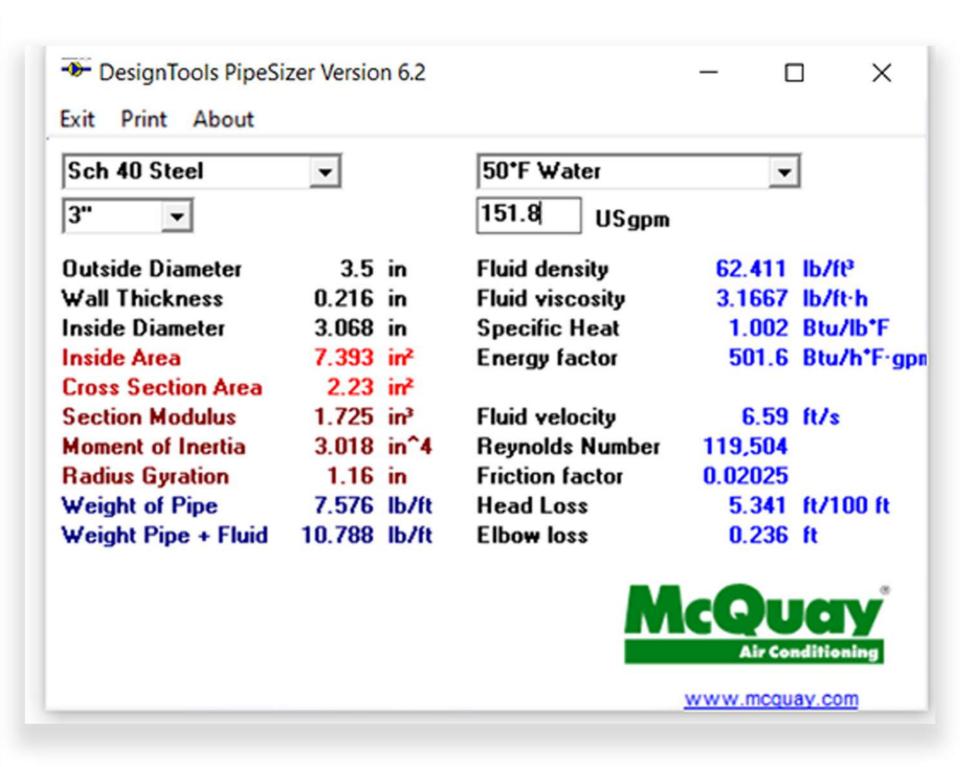
4,126

Dialux Evo - Indoor & Outdoor Lighting design



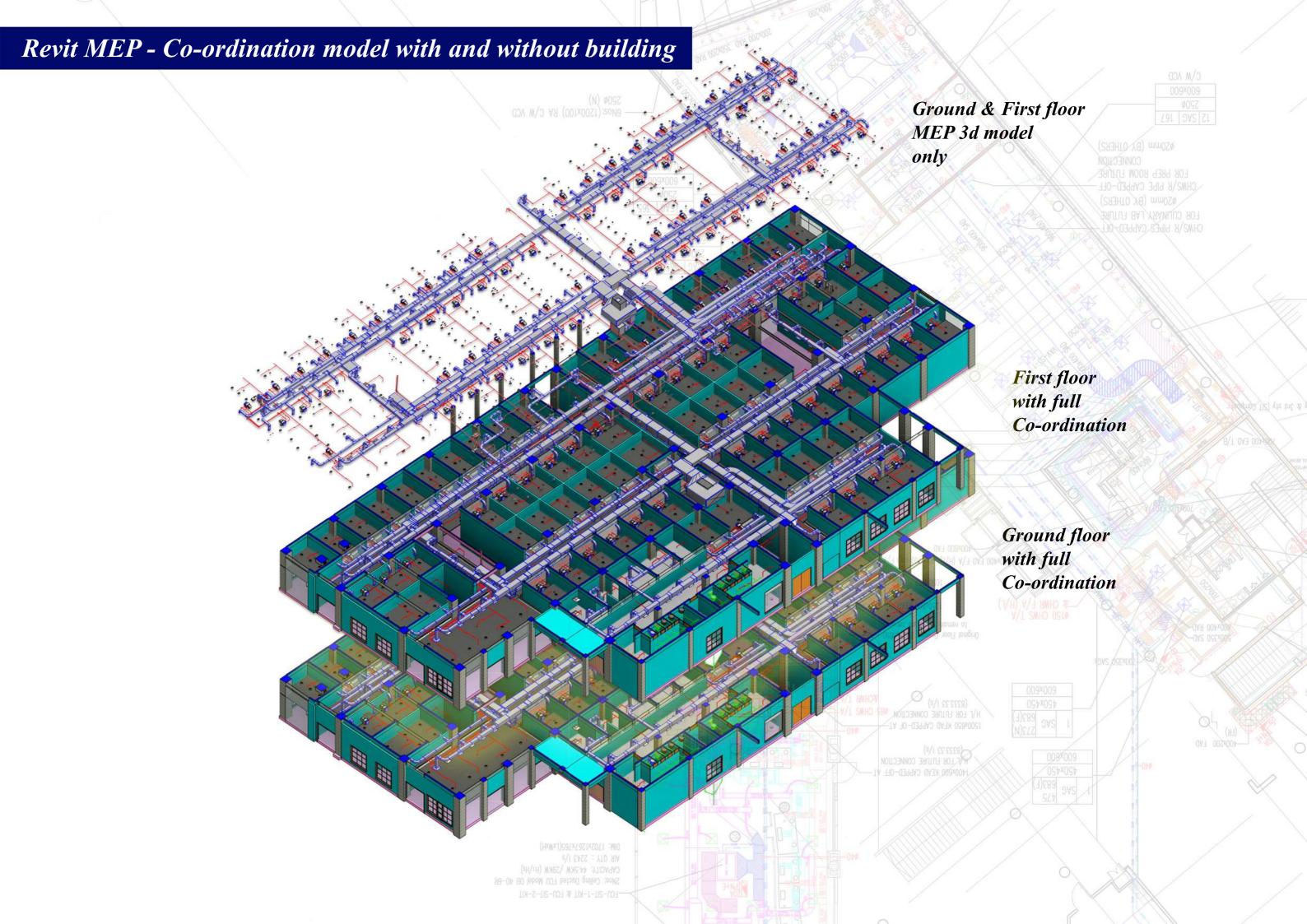
Mcquay Ductsizer and Pipesizer



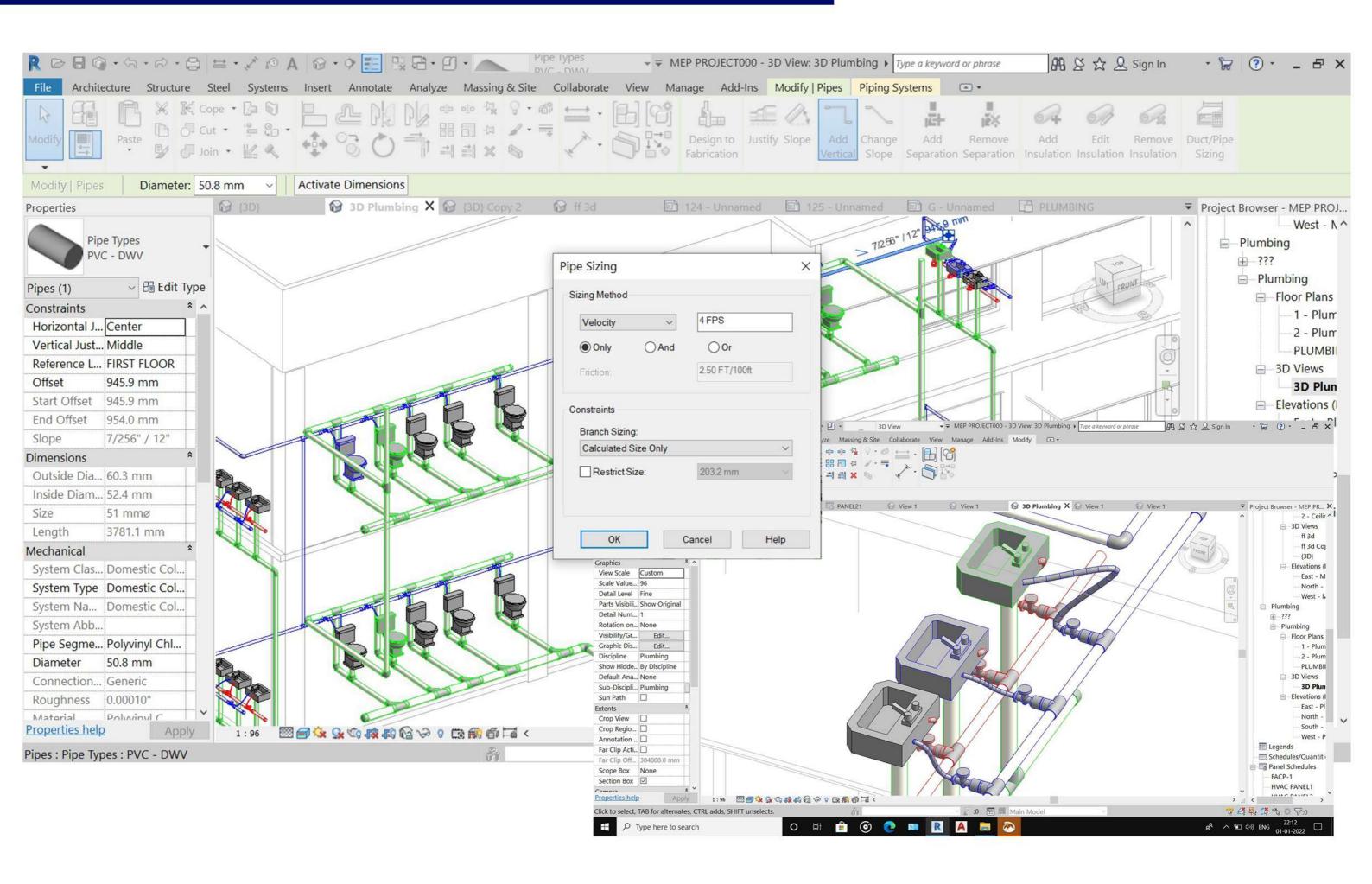


Mcquay Pipesizer

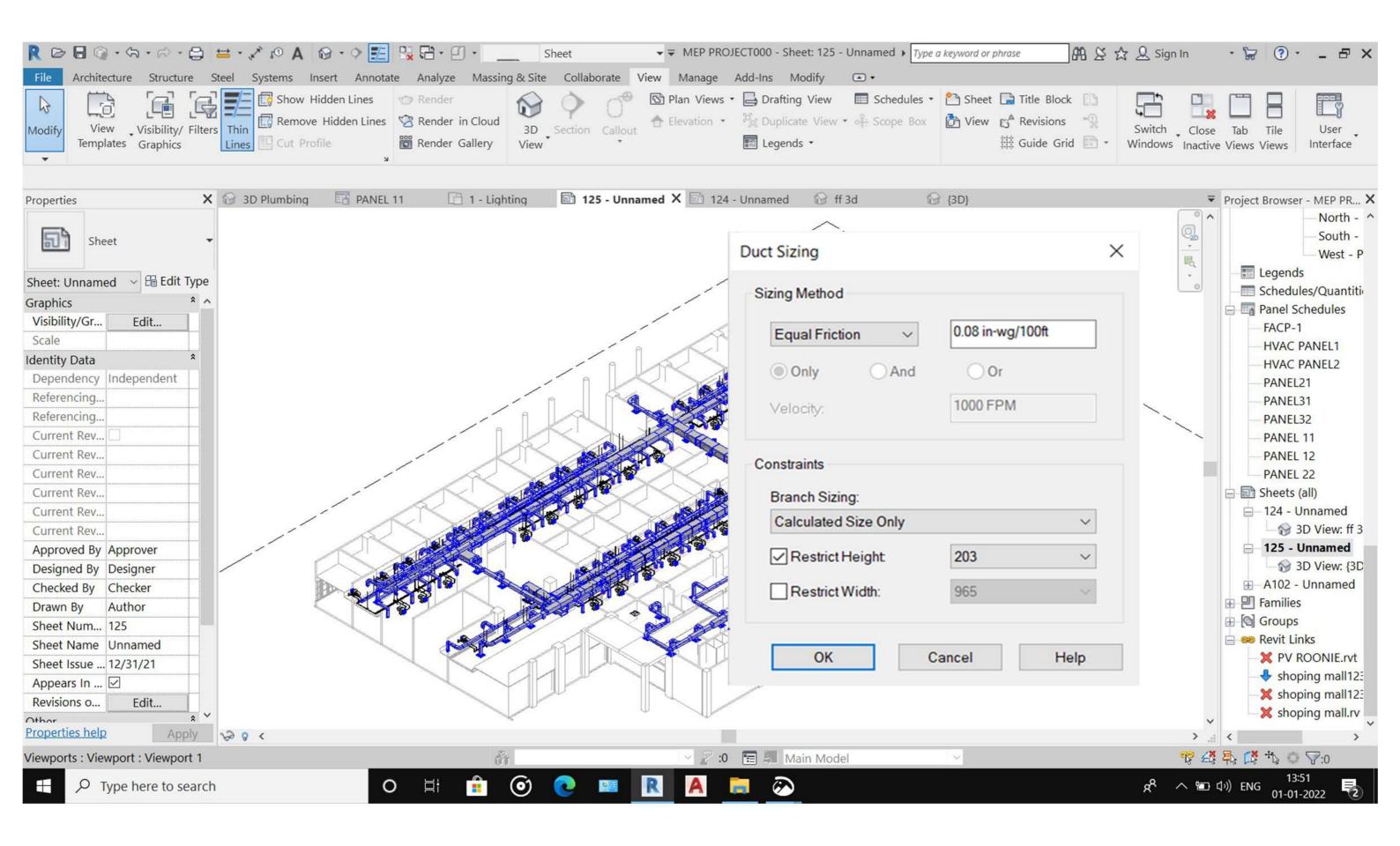
Mcquay Ductsizer



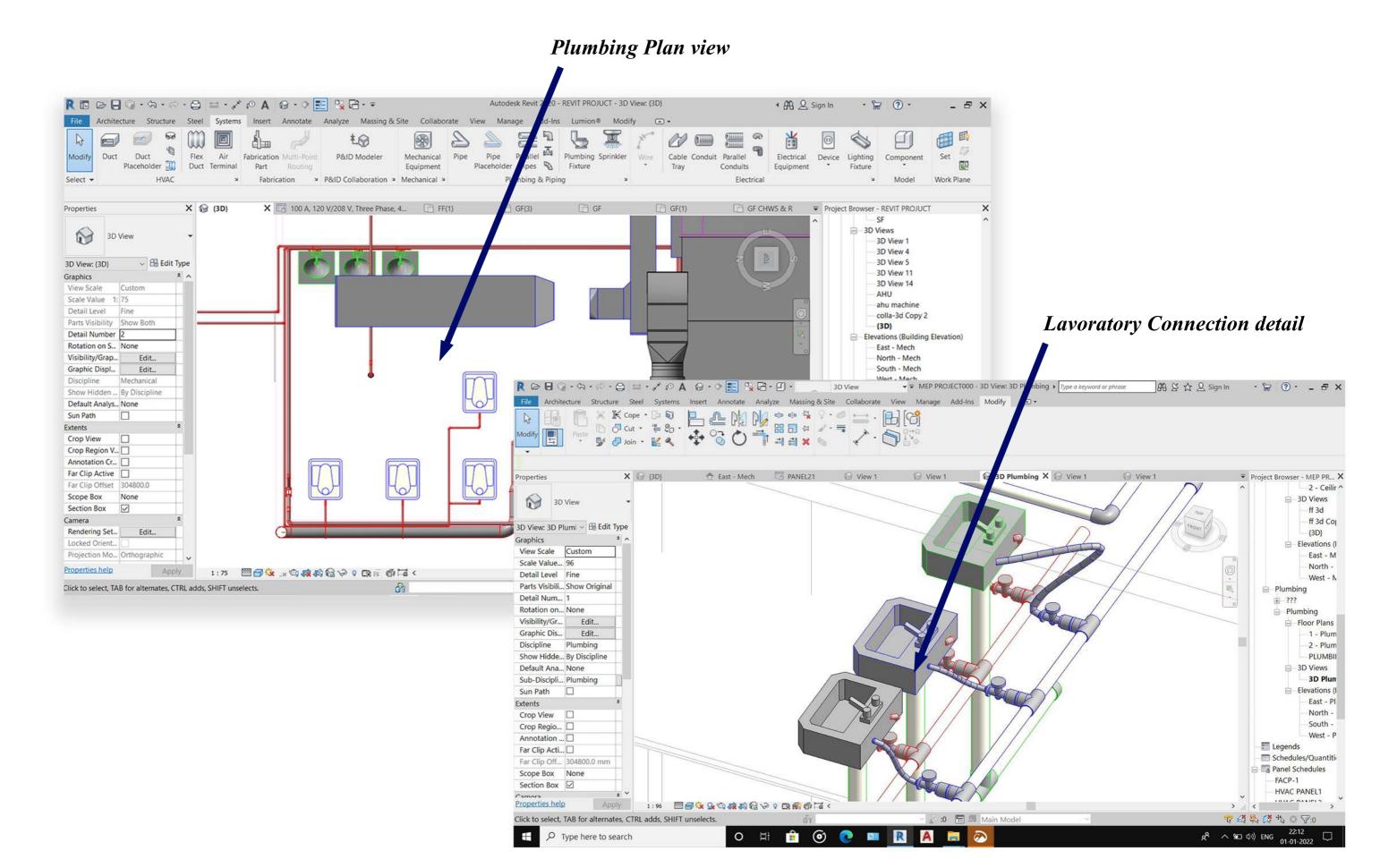
Revit MEP - Domestic Cold Water pipe sizing using velocity limitation



Revit MEP - Duct Sizing using Equal friction method



Revit MEP - Plumbing model



Revit MEP - Electrical BOQ

Cable Tray	Fitting BOQ	l
Family and Type	Count	Size

Channel Reducer: Standard	1	6"x6"-2"x2"
Channel Reducer: Standard	1	6"x6"-6"x4"
Channel Horizontal Tee: 12" Radius	1	24"x6"-6"x6"- 6"x6"

Grand total: 3

ELECTRICAL FIXT	URES BOQ
Family and Type	Count

Duplex Receptacle: 98
Standard
Grand total: 98 98

1	LIGHTING FIXTURES DETAILS	
Count	Family and Type	Туре

159	Plain Recessed Lighting Fixture: 600	600 X 600 -
Dwass de	X 600 - 120 V	120 V

159

PANEL BOQ	
Family and Type	Count

Ethernet Switch: Standard	1
Lighting and Appliance Panelboard - 208V MLO: 100 A	2
Lighting and Appliance Panelboard - 208V MLO: 225 A	1

Grand total: 4

CABLE TR	RAY BOQ		
Family and Type	Length	Size	Count
Cable Tray with Fittings: Channel Cable Tray	14046	2"x2"	1
Cable Tray with Fittings: Channel Cable Tray	41783	6"x4"	1
Cable Tray with Fittings: Channel Cable Tray	4148	24"x6"	1
Grand total: 3	59977	-	3

Lighting	Device Schedule
Count	Family and Type

198	Lighting Switches:
	Single Pole

198

	Fire Alarm Device Schedule	
Count	Family and Type	

M_Fire Alarm Horn - Wall Mounted: Standard
M_Fire Alarm Strobe Speaker - Ceiling Mounted: Standard
M_Manual Pull Station: Standard
M_Smoke Detector: Plain

135