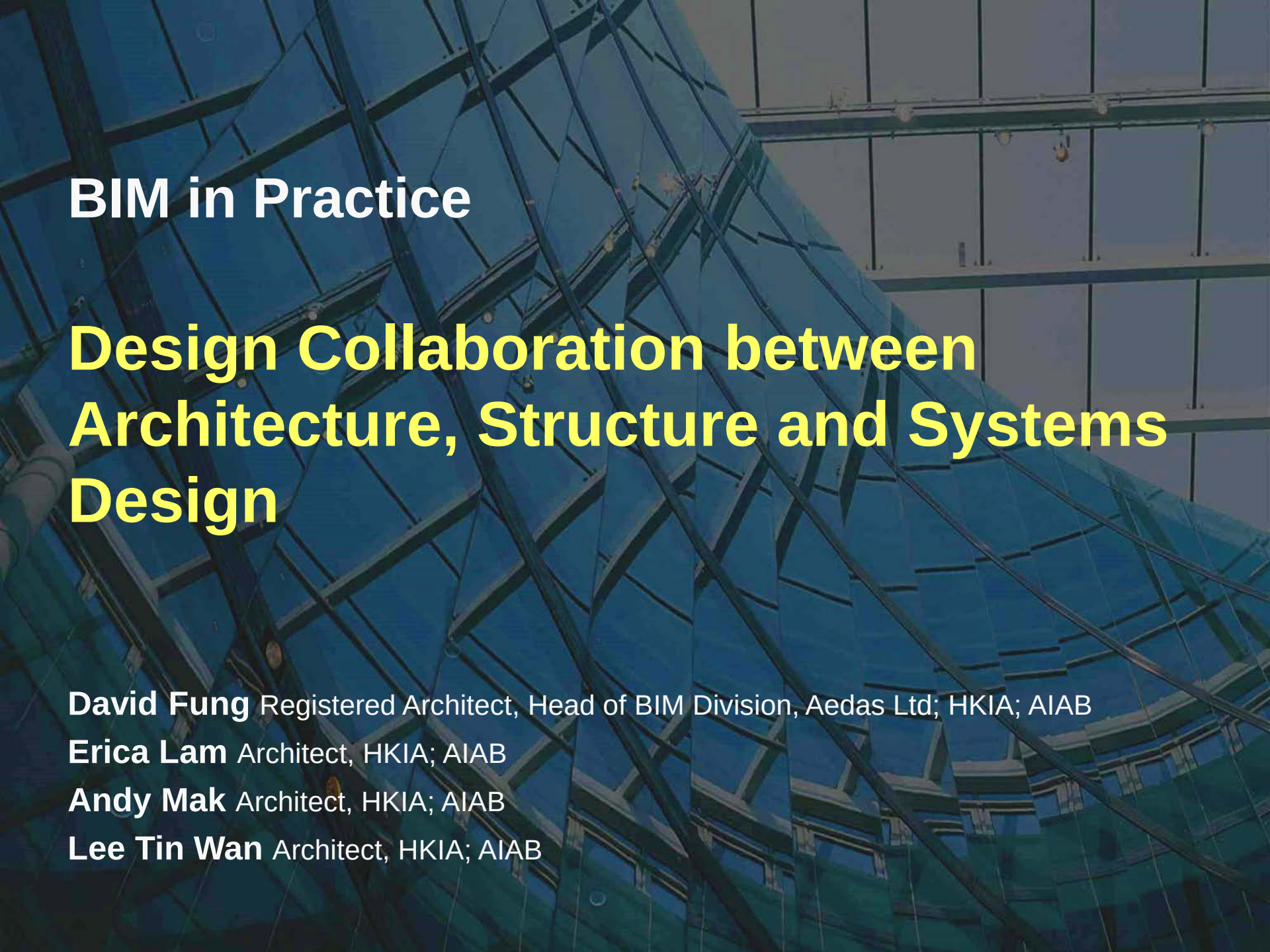
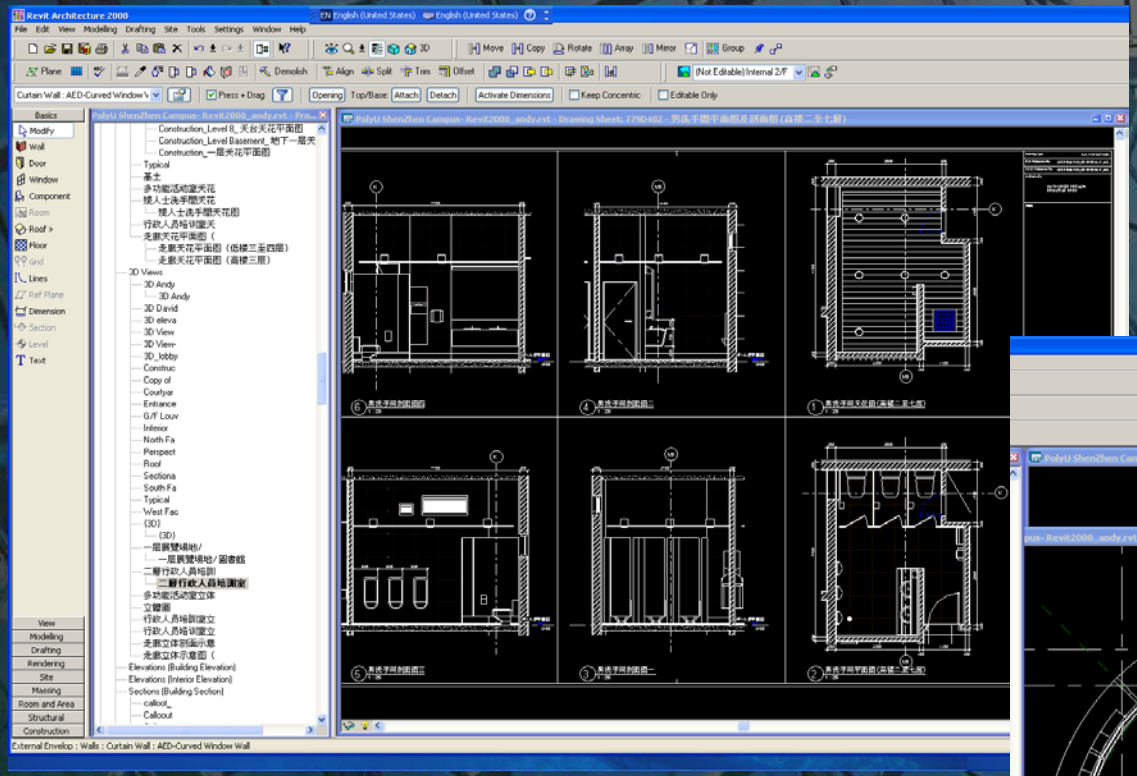


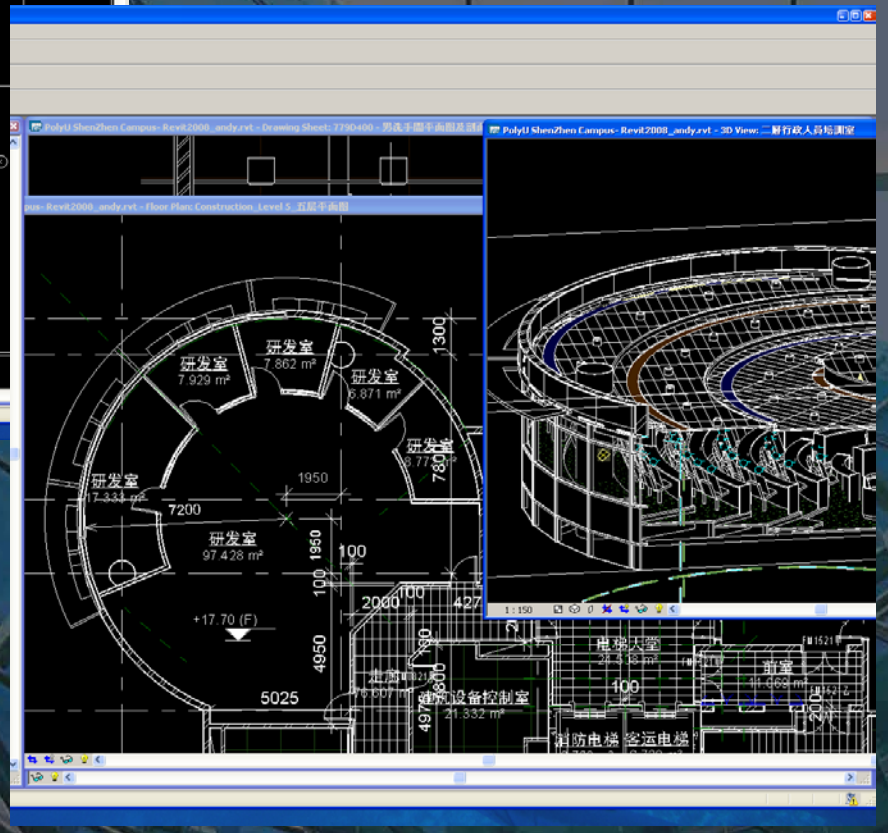
BIM in Practice

Design Collaboration between Architecture, Structure and Systems Design

David Fung Registered Architect, Head of BIM Division, Aedas Ltd; HKIA; AIAB
Erica Lam Architect, HKIA; AIAB
Andy Mak Architect, HKIA; AIAB
Lee Tin Wan Architect, HKIA; AIAB

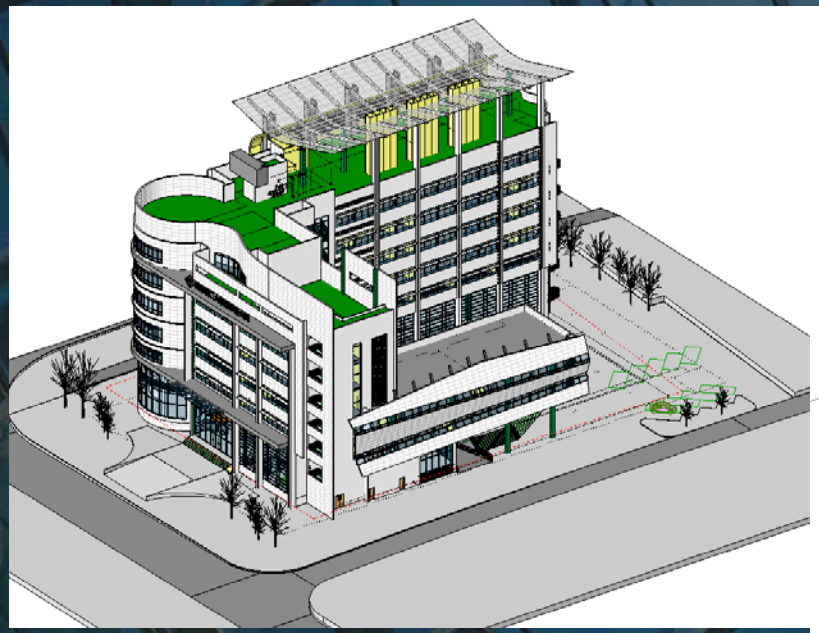
Production

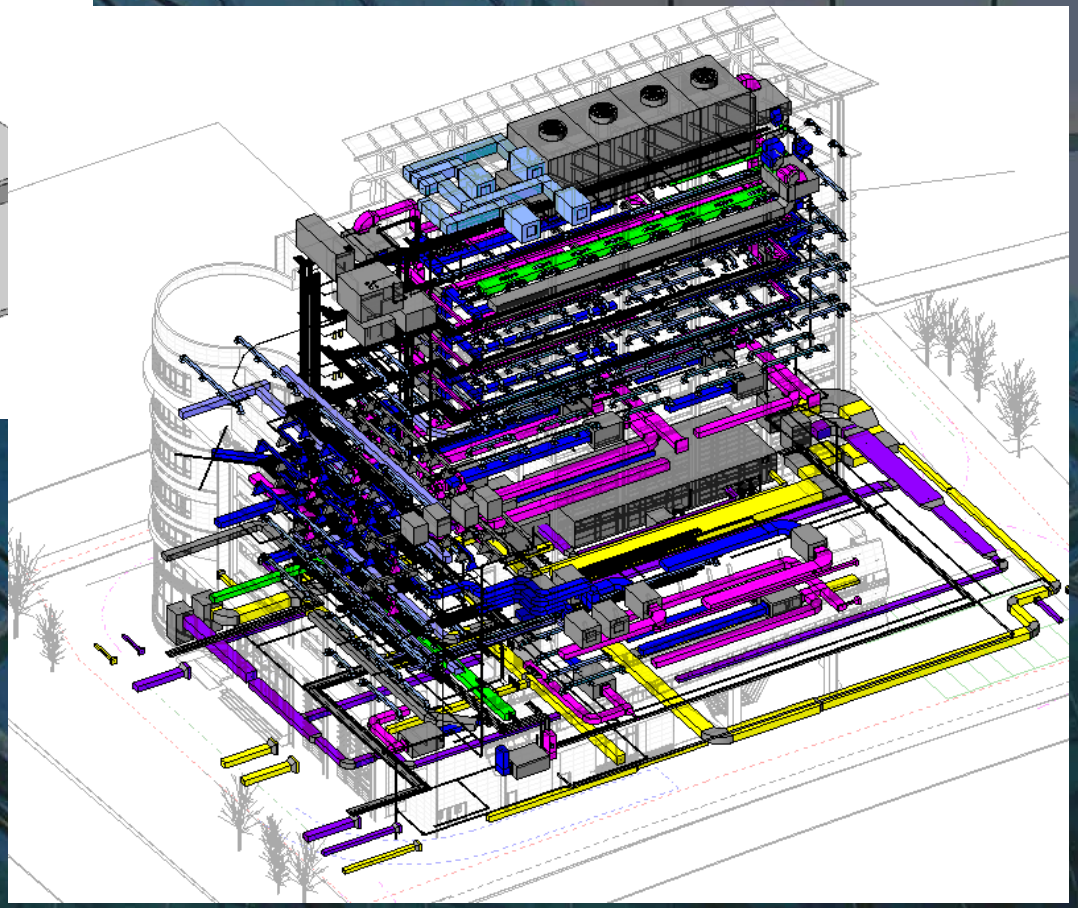

Revit Architecture 2008
Curtain Wall : AED-Curved Window Wall
Basics
Modify
Wall
Door
Window
Component
Room
Roof
Floor
Grid
Lines
Ref Plane
Dimension
Section
Level
Text
View
Modelling
Drafting
Rendering
Site
Massing
Room and Area
Structural
Construction
External Envelop : Walls : Curtain Wall : AED-Curved Window Wall


研发室
7.929 m²
研发室
7.862 m²
研发室
6.871 m²
研发室
7200
研发室
97.428 m²
1950
100
2000
+17.70 (F)
4950
5025
电梯大堂
消防电梯
客运电梯

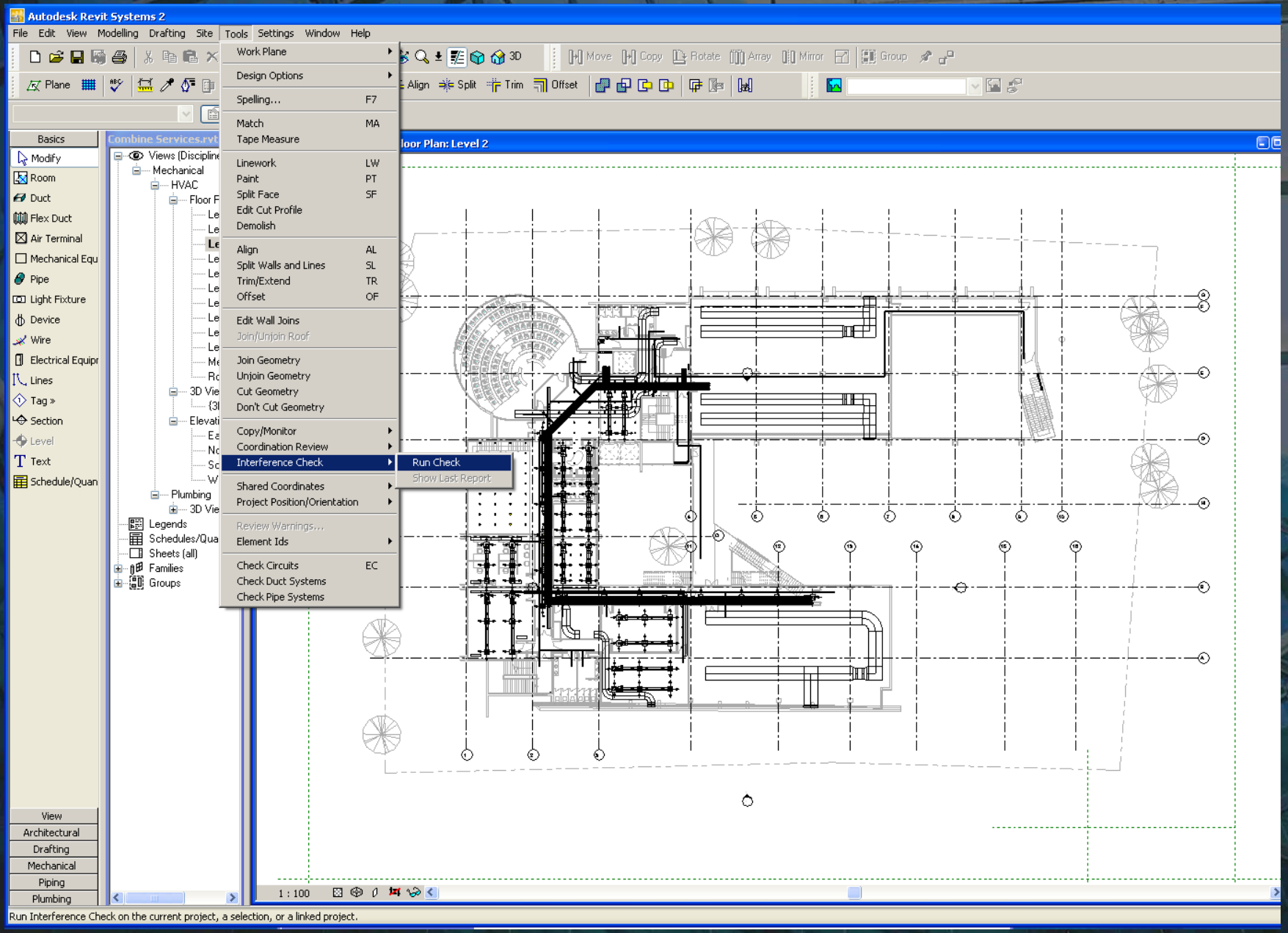
CO-ORDINATION / COLLABORATION

Work Flow – Establish BIM Models



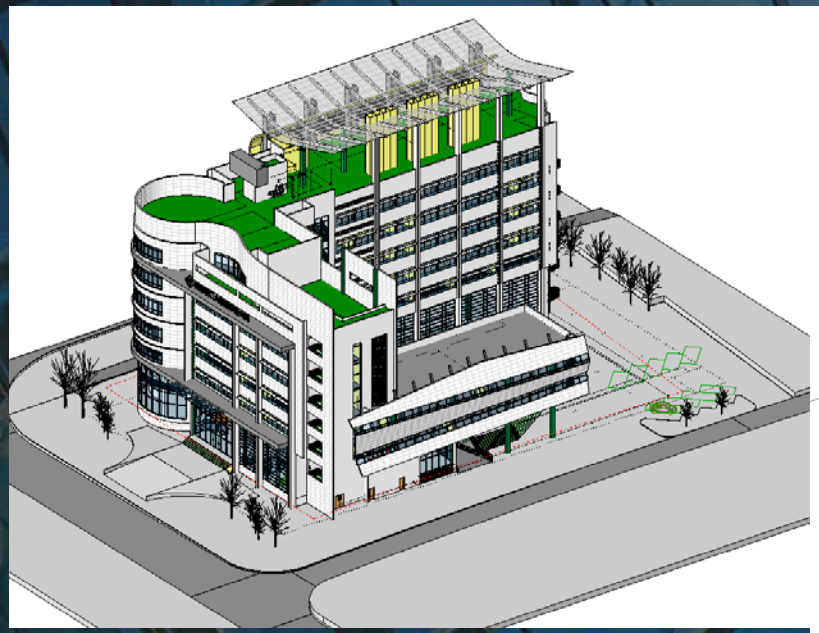


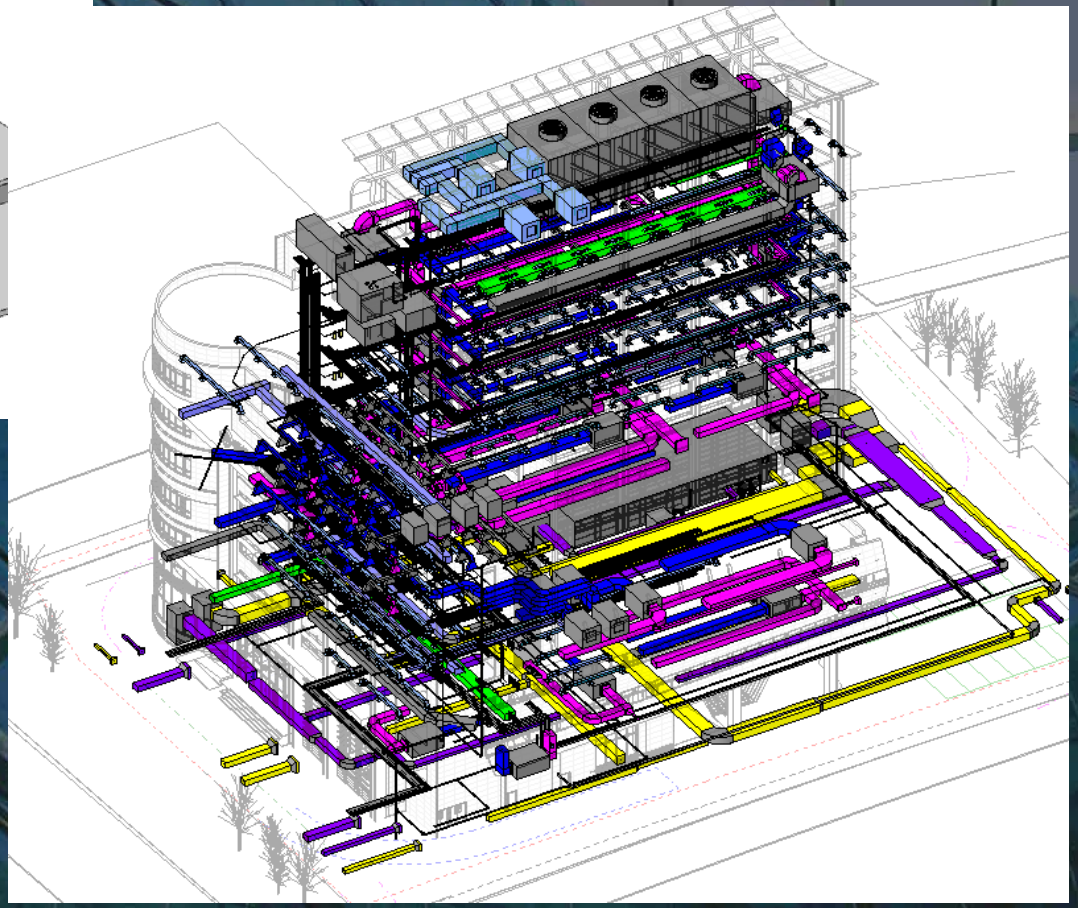
Work Flow – Clashes Report

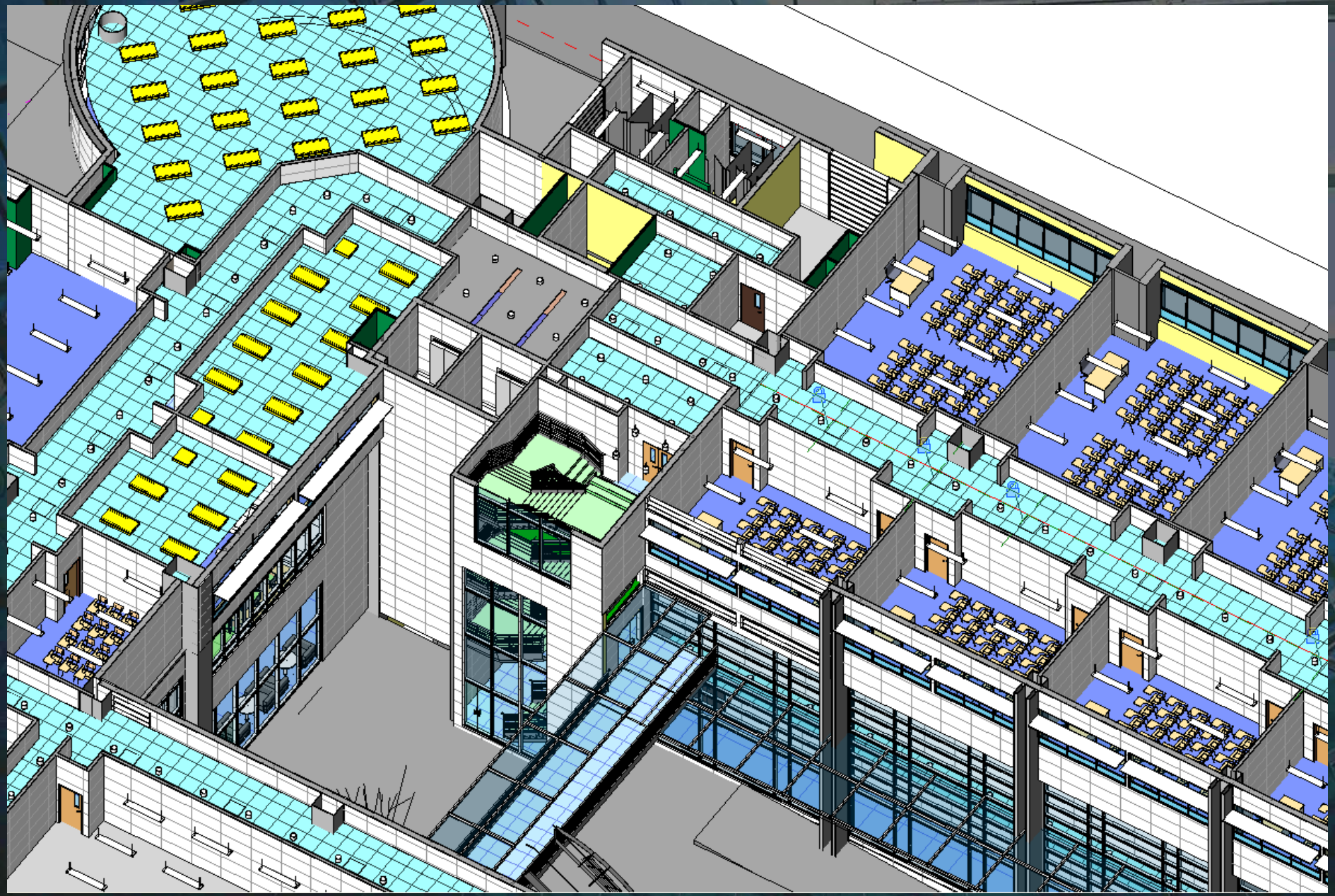


CO-ORDINATION / COLLABORATION

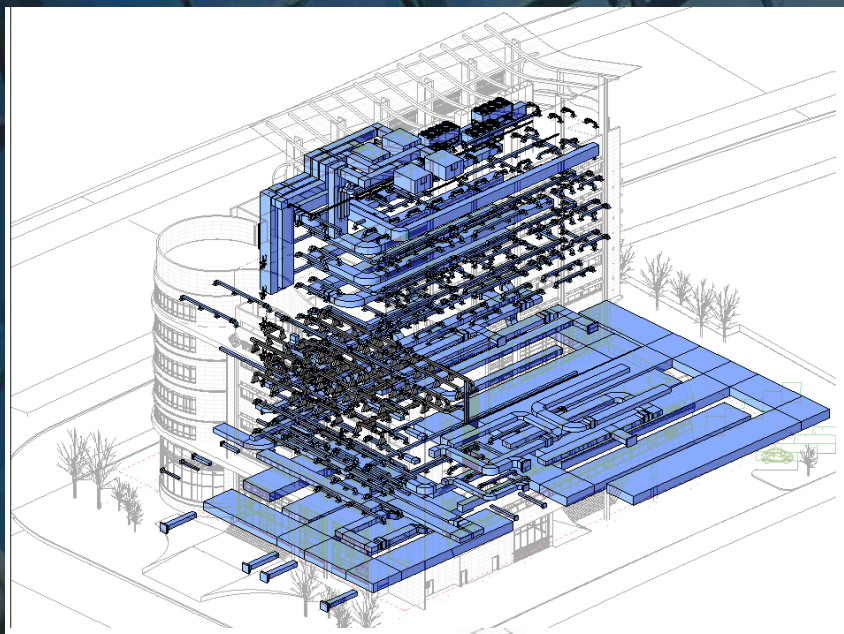
Work Flow – Establish BIM Models



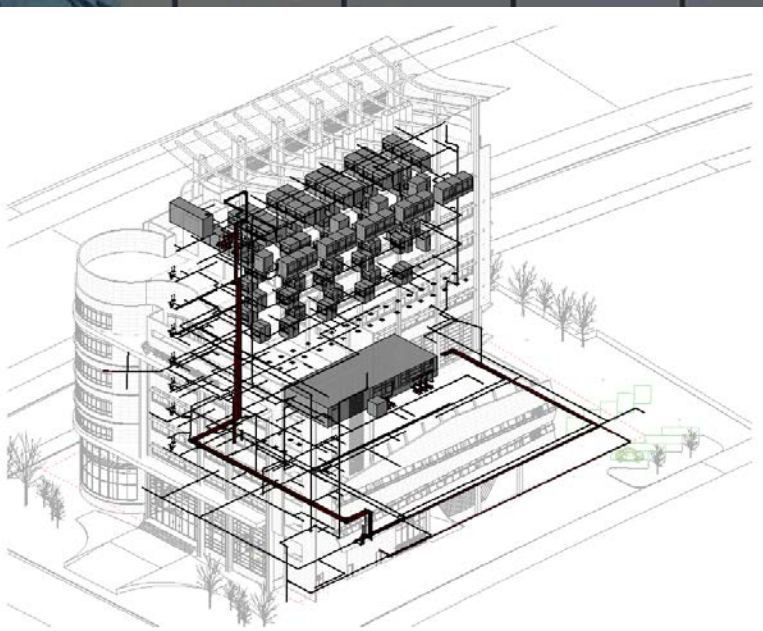


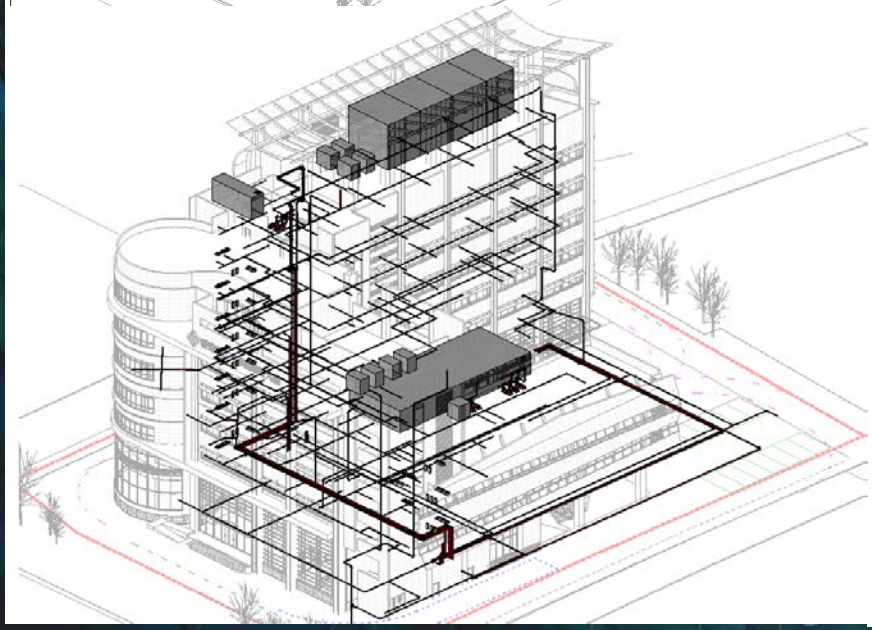


HVAC Installation

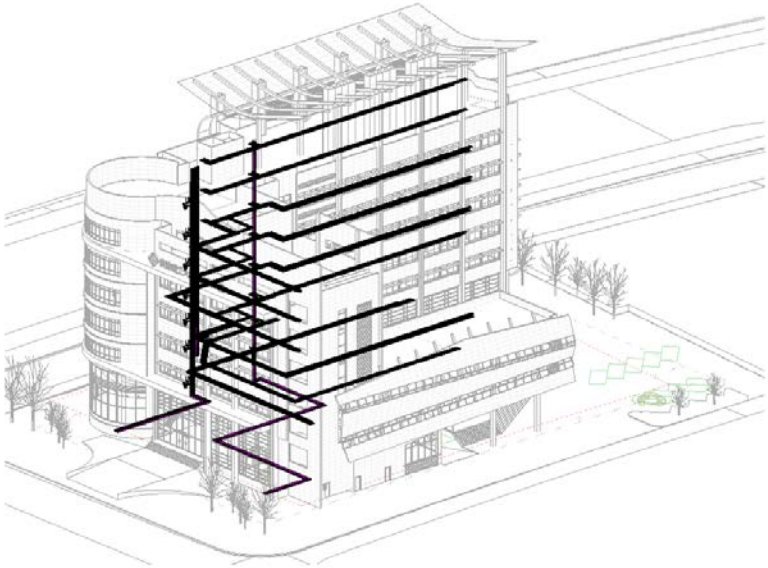


Fire Services Installation



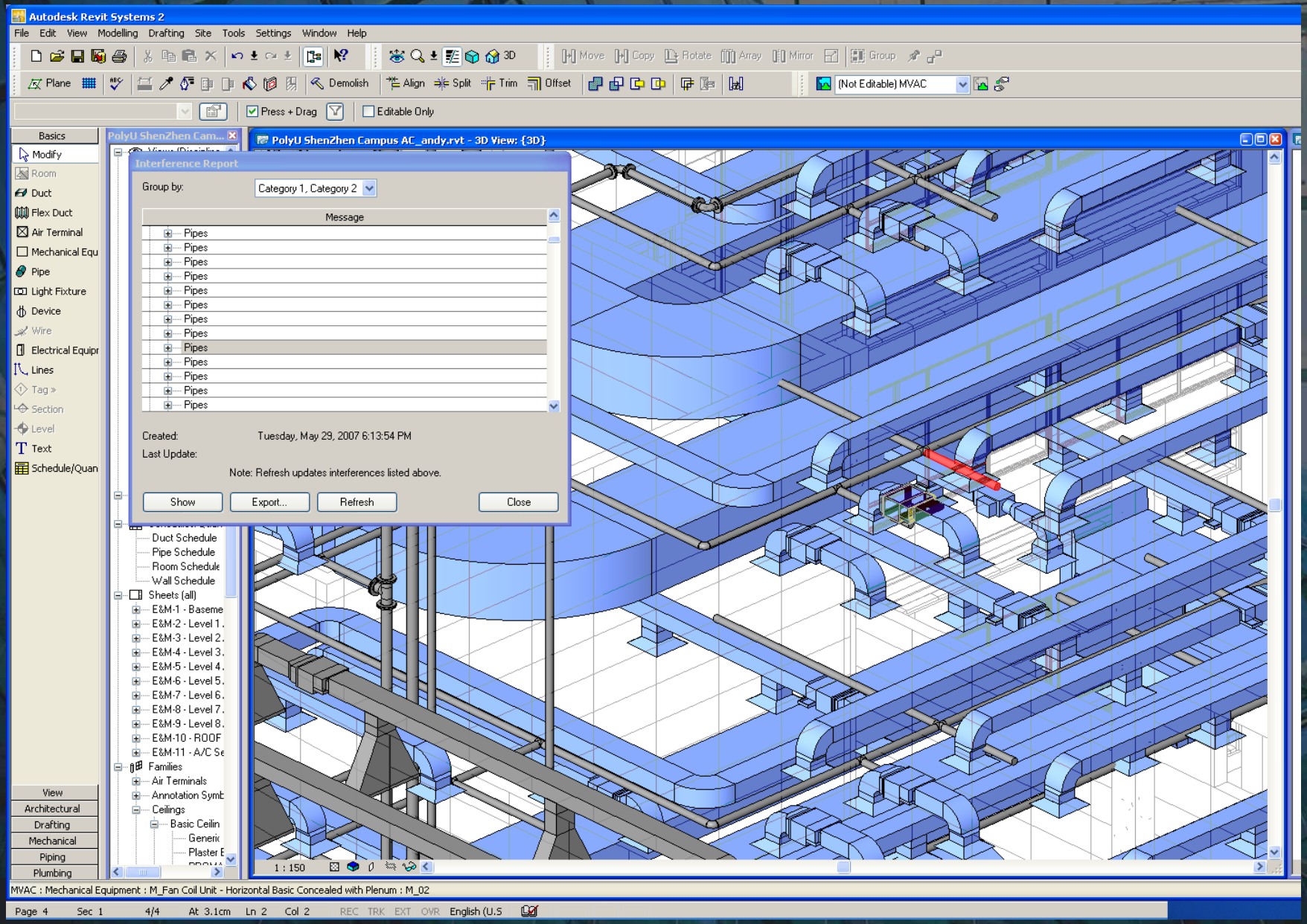


P/D Installation

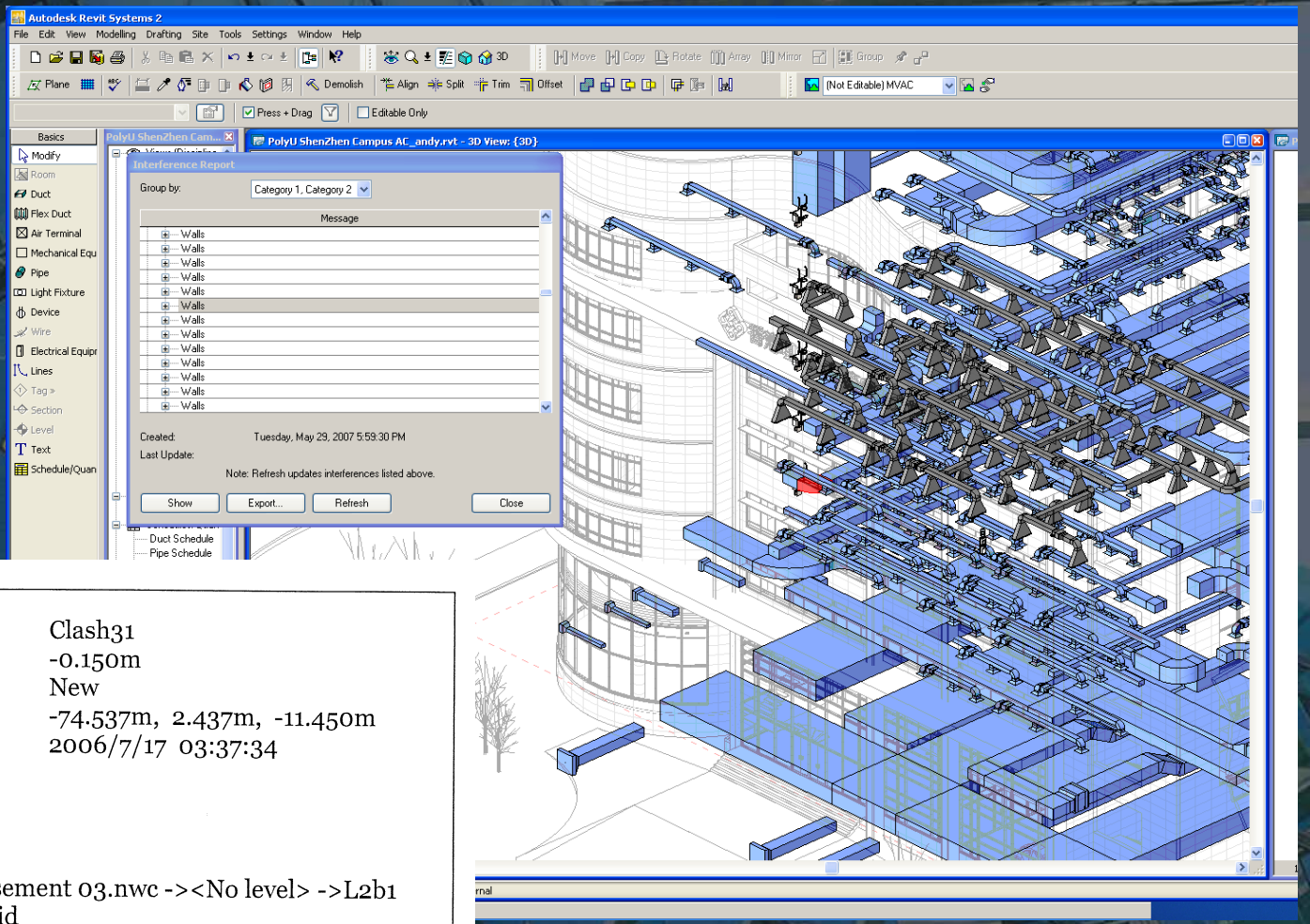


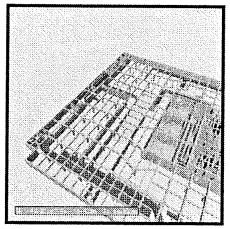
Electricity Installation

Work Flow – Clashes Report



Work Flow – Clashes Report





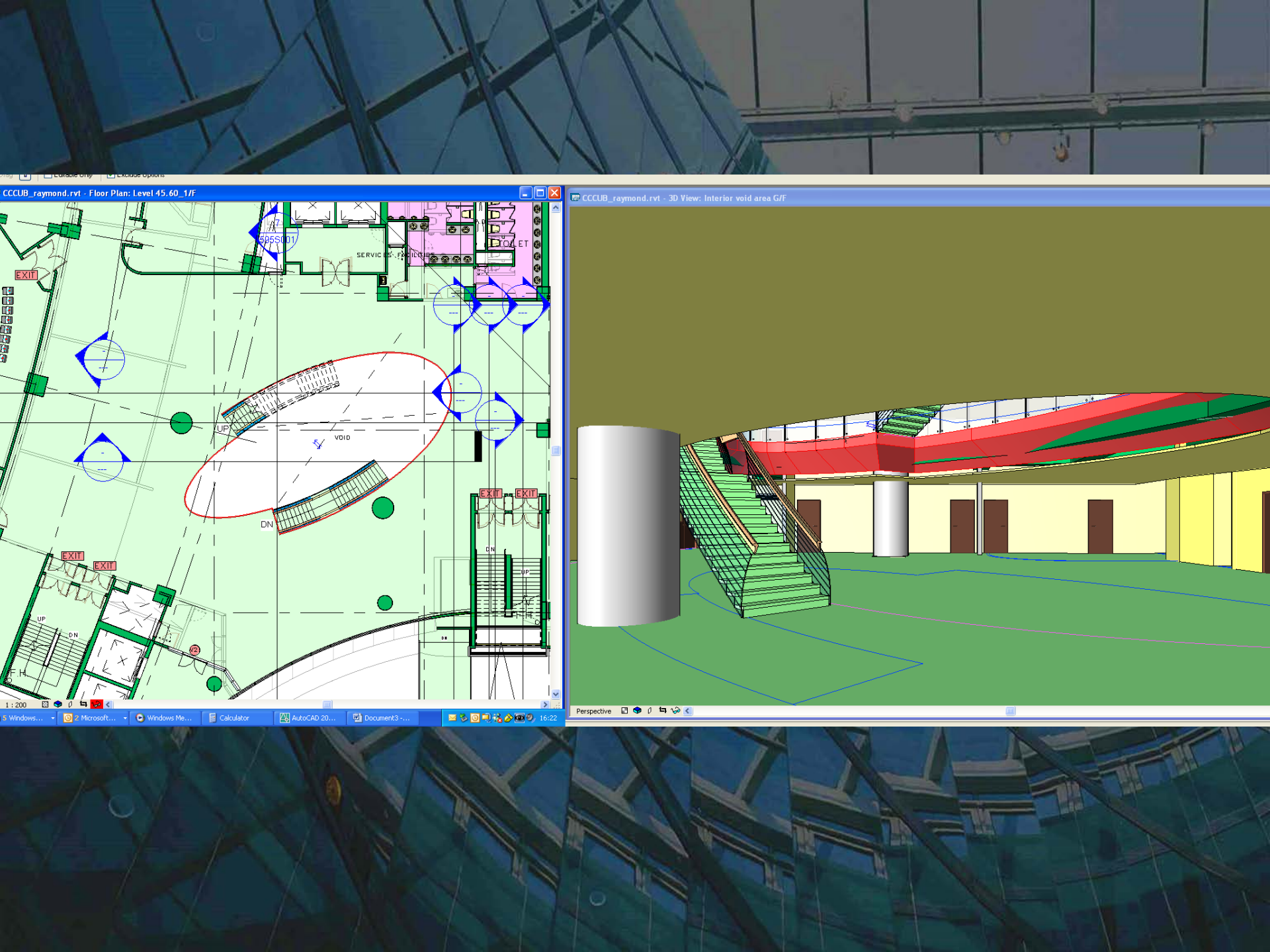
Name	Clash31
Distance	-0.150m
Status	New
Clash Point	-74.537m, 2.437m, -11.450m
Date Created	2006/7/17 03:37:34
Approved By	

Item 1

Path File ->File ->Basement 03.nwc -><No level> ->L2b1 500 x 700 ->L2b1 500 x 700 ->Solid

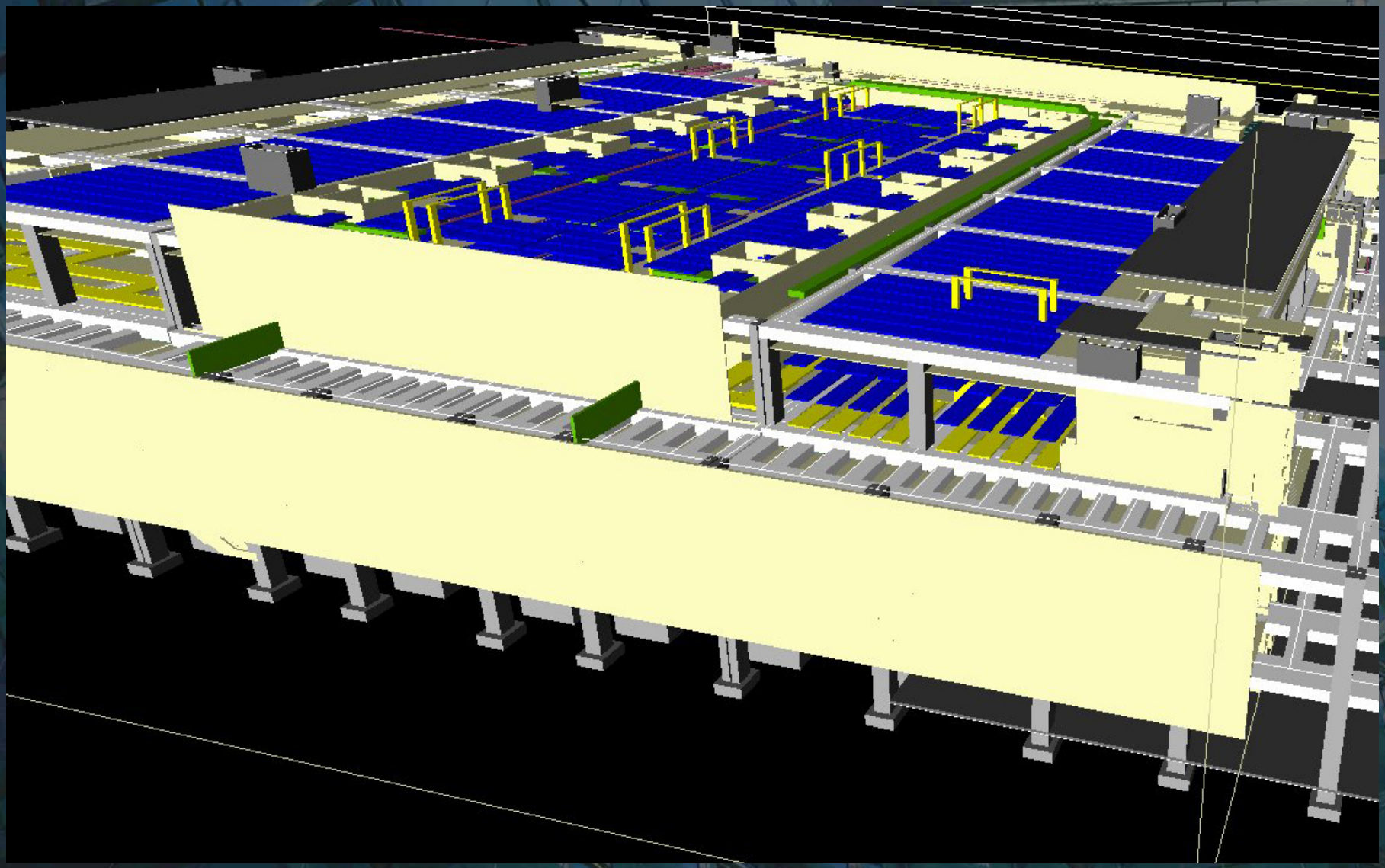
Item 2

Entity Handle	2AD6
Path	File ->File ->B3HVAC_Duct.nwd ->H-Ductwork-G ->Duct

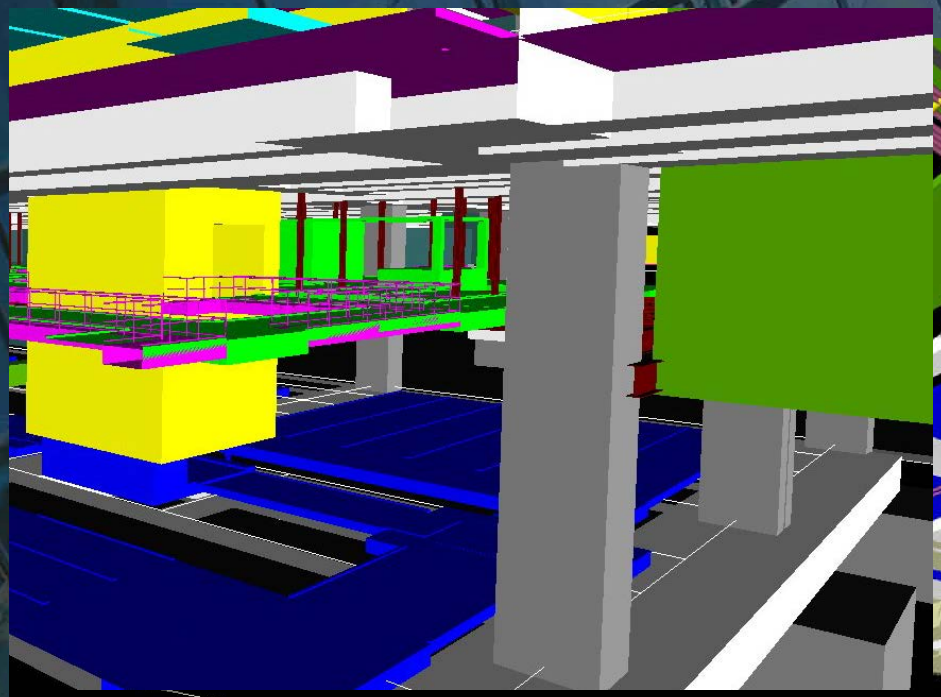

CCCUB_raymond.rvt - Floor Plan: Level 45.60_1/F
CCCUB_raymond.rvt - 3D View: Interior void area G/F
EXIT
SERVICES FACILITIES
TOILET
UP
DN
VOID
Perspective

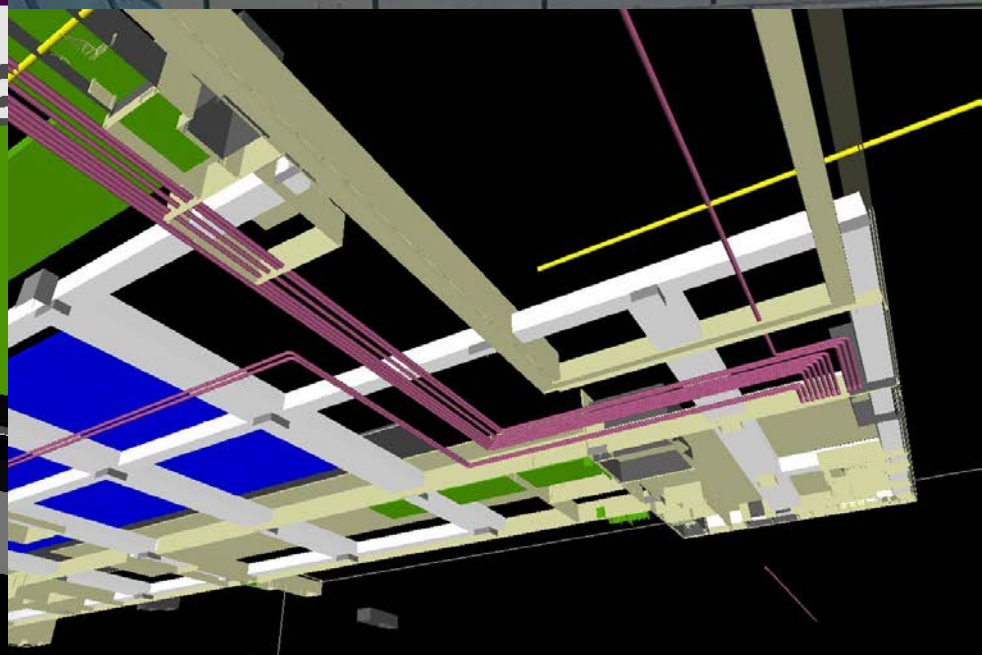
Results – No of Clashes
結果 – 碰撞數目

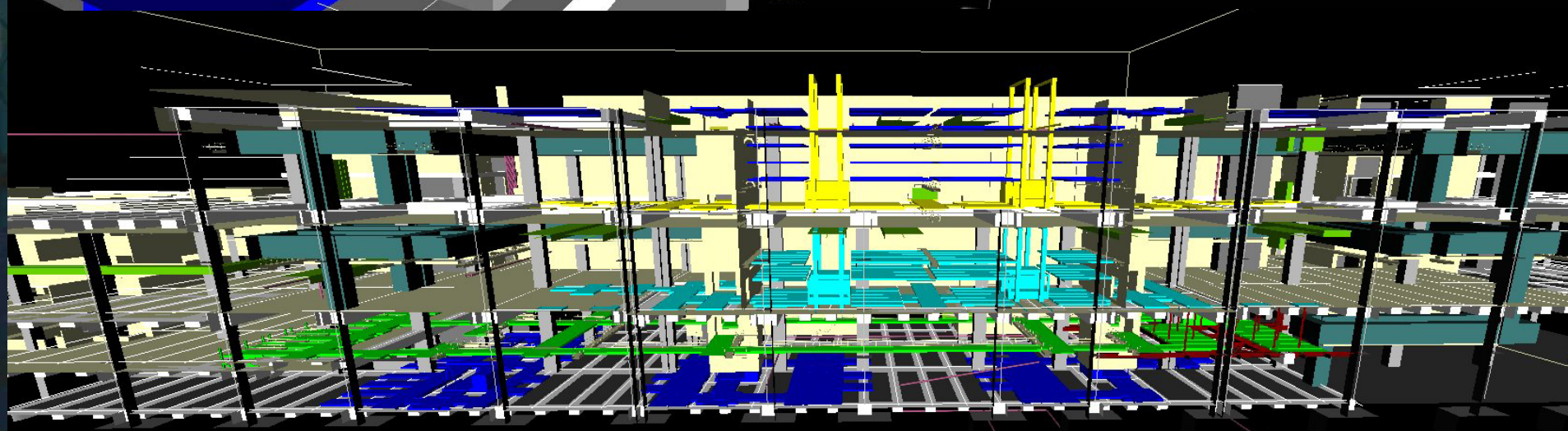
	HVAC Ductwork	Chiller Water Pipe	Fire Services	P&D	Electrical	Total
B1	0	0	0	0	0	0
B1M	0	0	0	0	0	0
B2	0	0	0	0	0	0
B3	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**



DISCIPLINES COLLABORATION







DISCIPLINES COLLABORATION