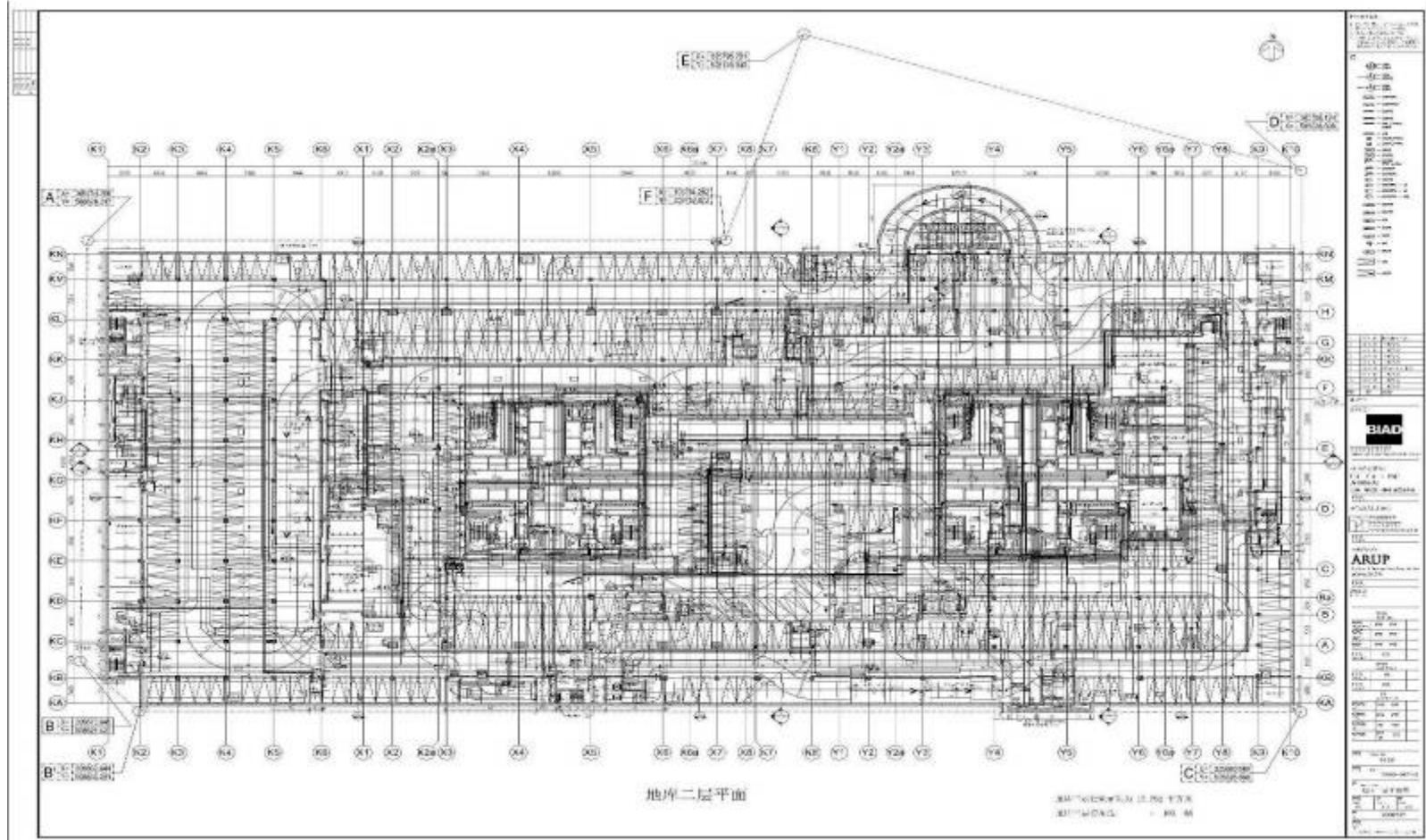
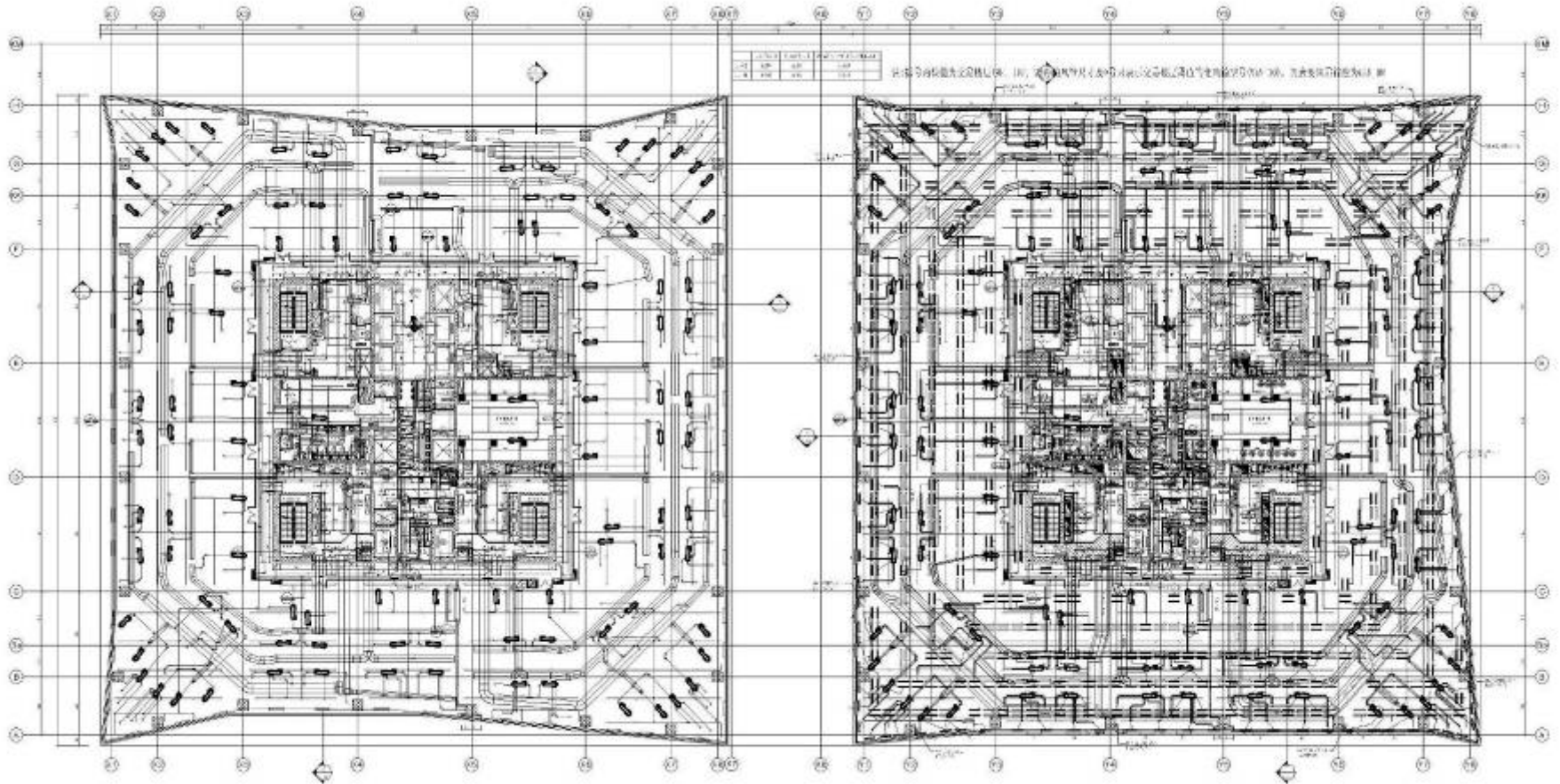


流程 — 一维资料的转换



Work Flow – Conversion of 2D Information



Work Flow – RFI

流程 – 請求設計資料



TECTON LIMITED
Building Information Modelling and Management

Autodesk
BIM Consulting Partners



Request for Information

Item 1.

Description: There is **NO LEVEL** for HVAC from 3/F to Roof. There is **NO LEVEL** for Chiller Water from 1/F to Roof.

Date: 08/08/06 **Request by:** Anthony Law

Item 2.

Drawing No.: 8266-C-EL9-1 REV.D

Description: Cannot determine the dimension of cable tray from bottom to top, assume the cable tray size is the same as 8266-D 1 to 3/F, both towers.

And from 3-3/F, estimate the tray size according to the cable size, 3-3/F 5700x600, 3-16/F 600x600, 17-20/F 330x200.

Image:



Request for Information

Page 010, Date 1-Aug-06



TECTON LIMITED
Building Information Modelling and Management

Autodesk
BIM Consulting Partners



Request for Information

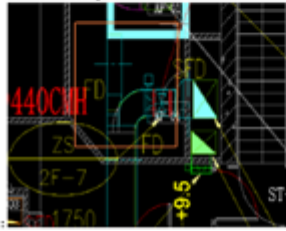
Date: 07/08/06 **Request by:** Gillian

Item 1.

Drawing No.: 8266-C-432_D

Description: There is no dimension of the duct in the orange frame. Located at XS4/F. Assume that it is the same scale of the drawing.

Image:

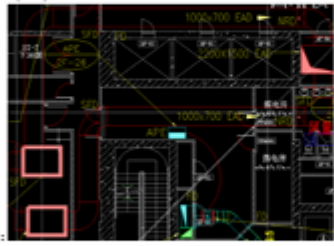


Item 2.

Drawing No.: 8266-C-432_D

Description: There is no level of the both red duct. Located at XS-10. Assume that they are the same as the near one (+0.5).

Image:

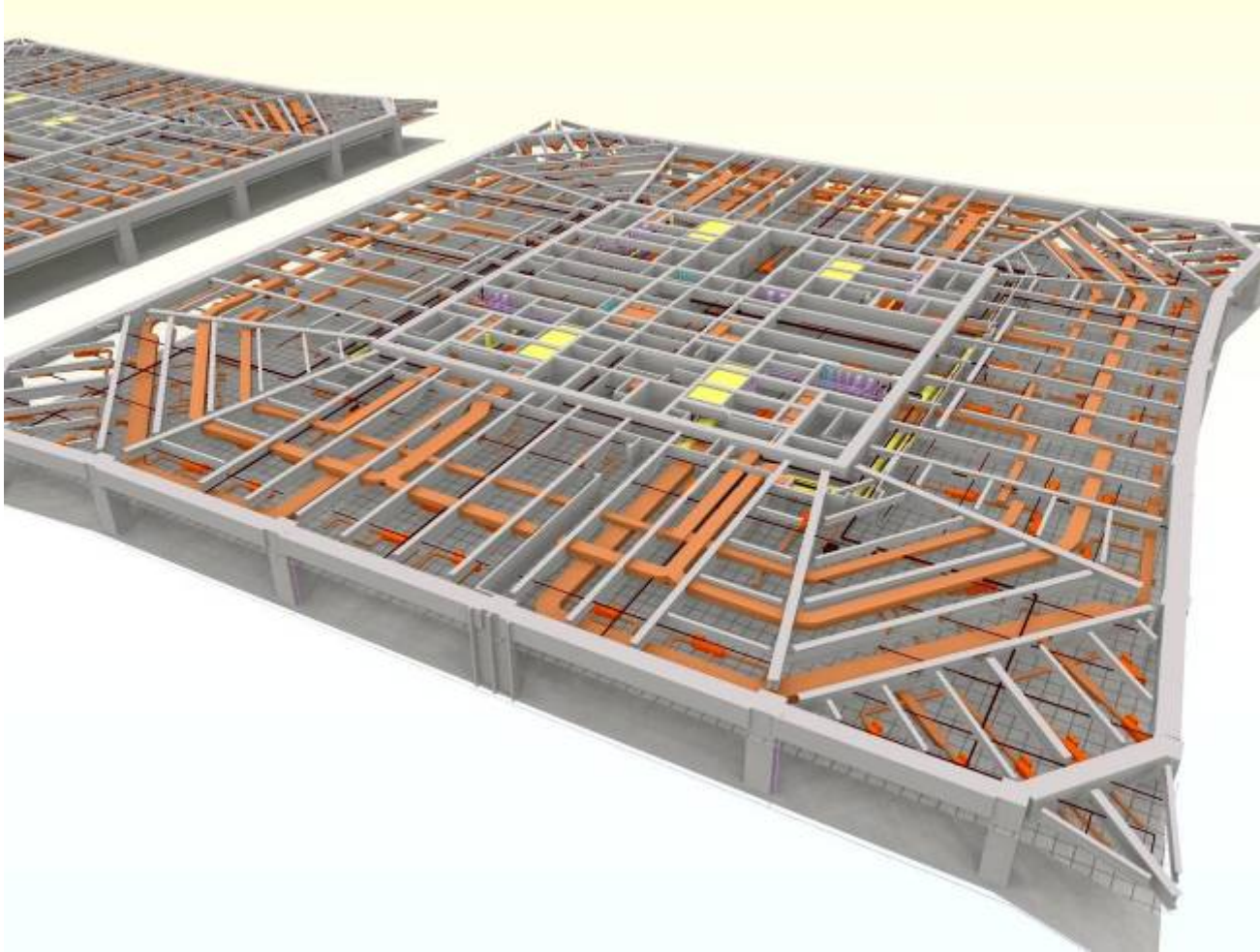


Request for Information

Page 010, Date 1-Aug-06

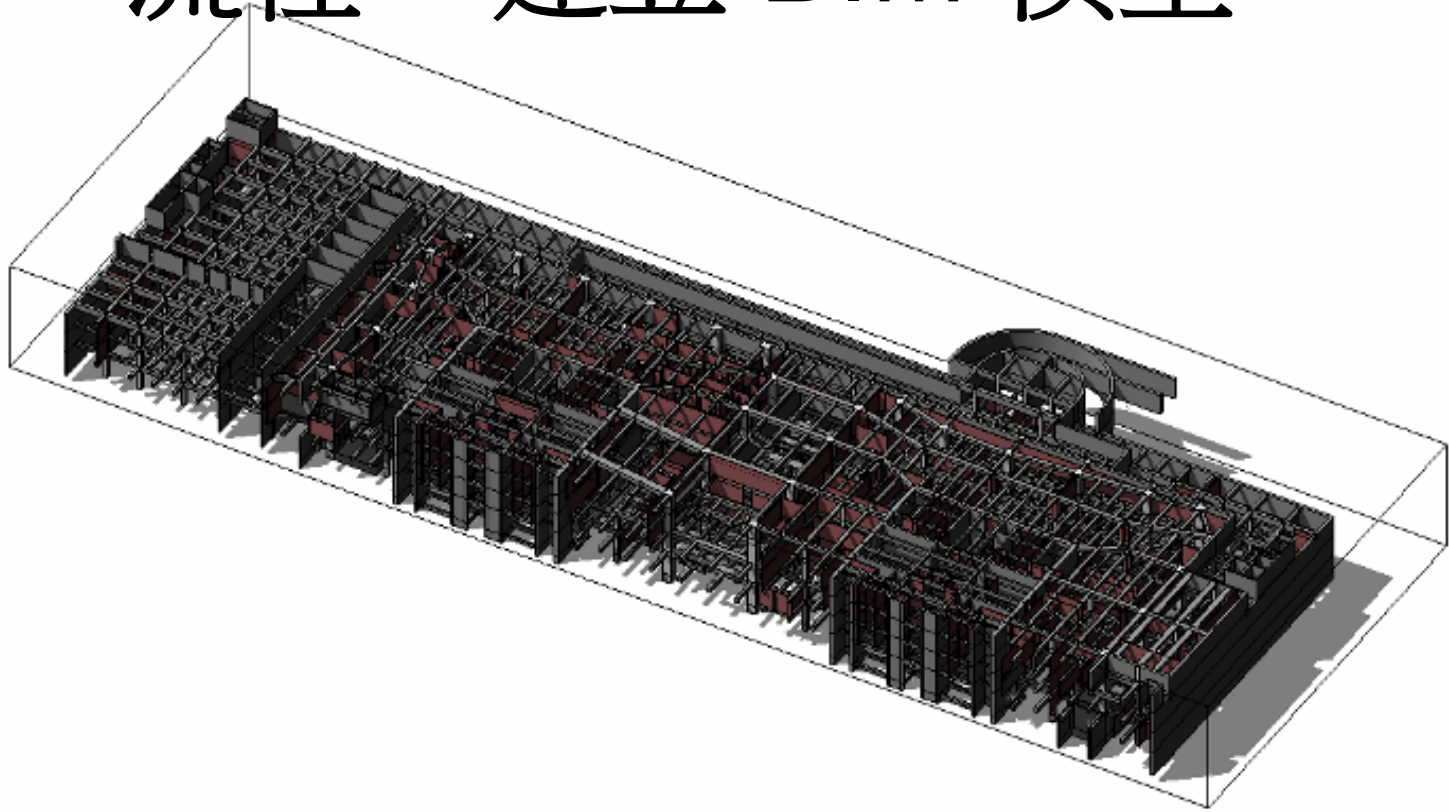
WORK FLOW – Establish BIM Model

添加 建筑 BIM 模型

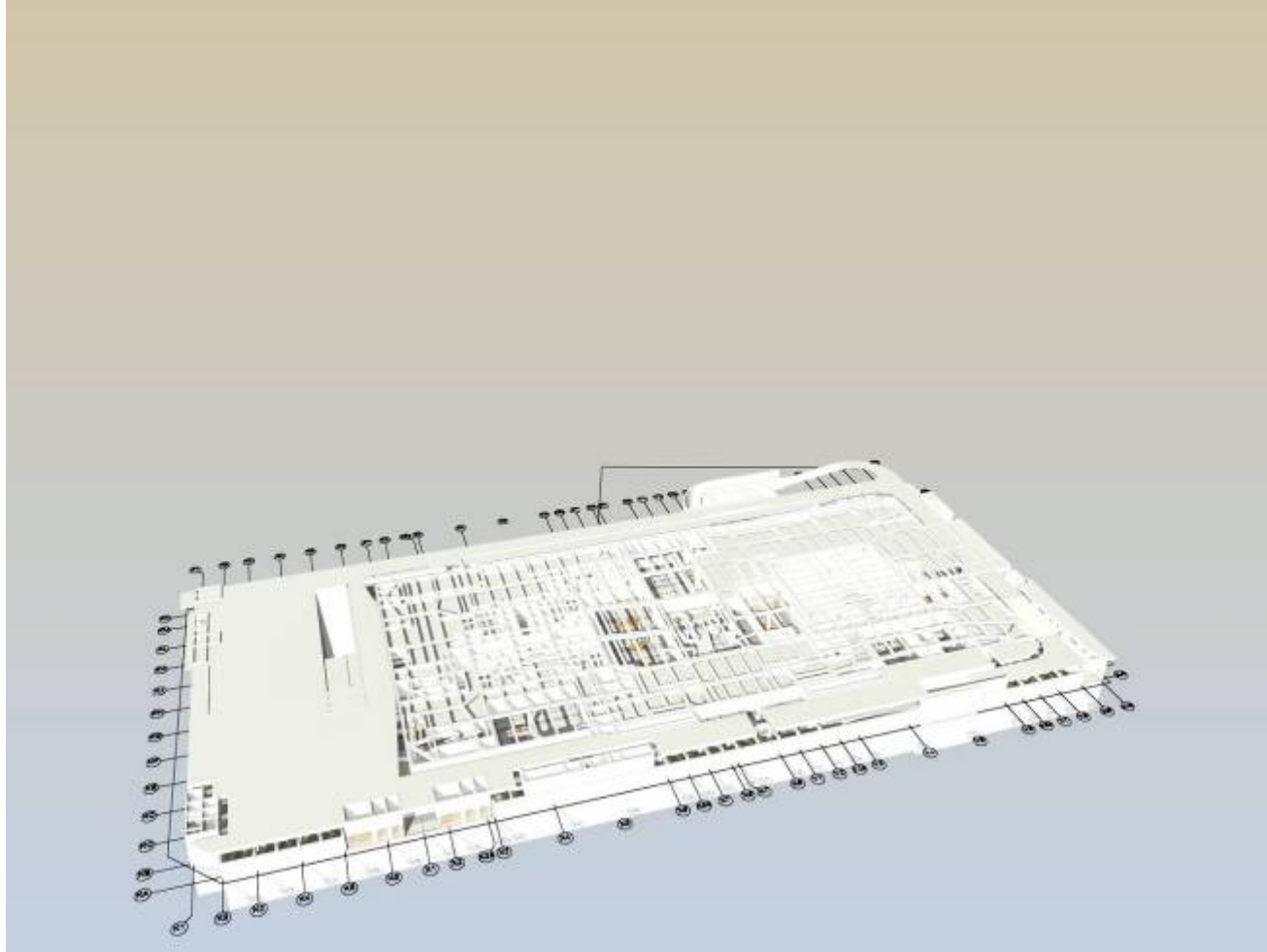


Work Flow – Establish BIM Model

流程 – 建立 BIM 模型



Basement 地下部分



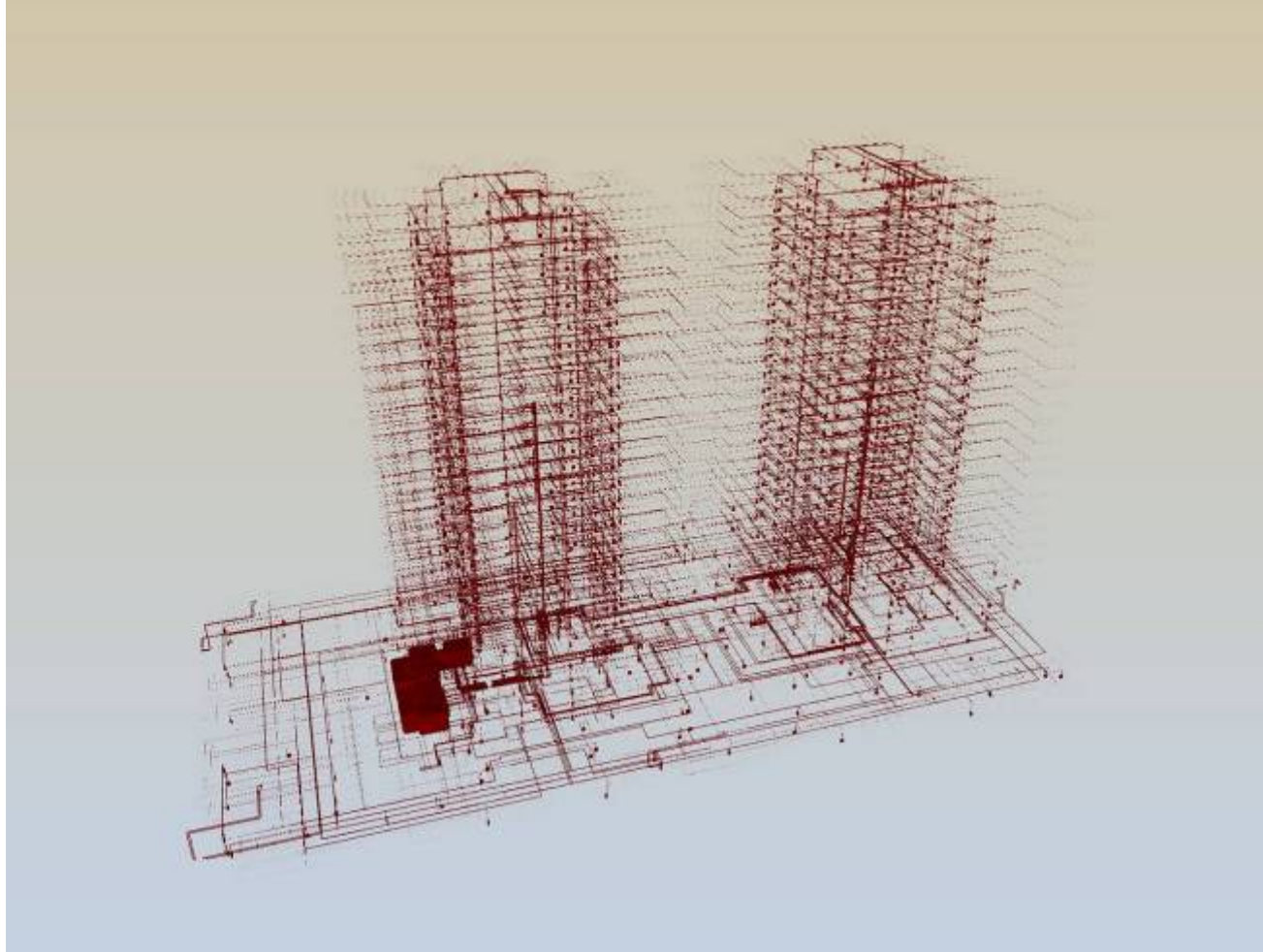
Superstructure 地上部分



HVAC Installation 空調系統部分

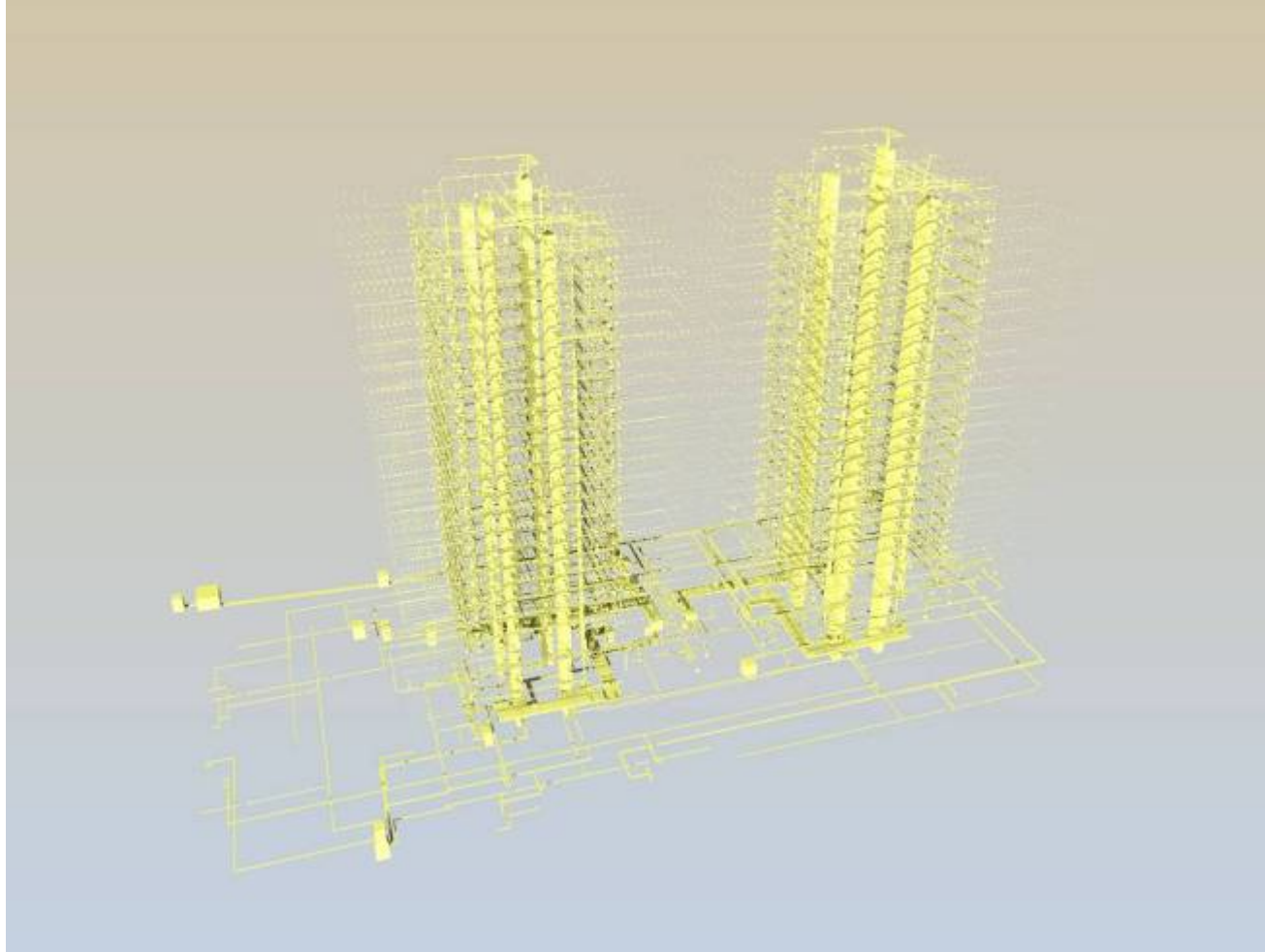


Fire Services Installation 消防系 統部分

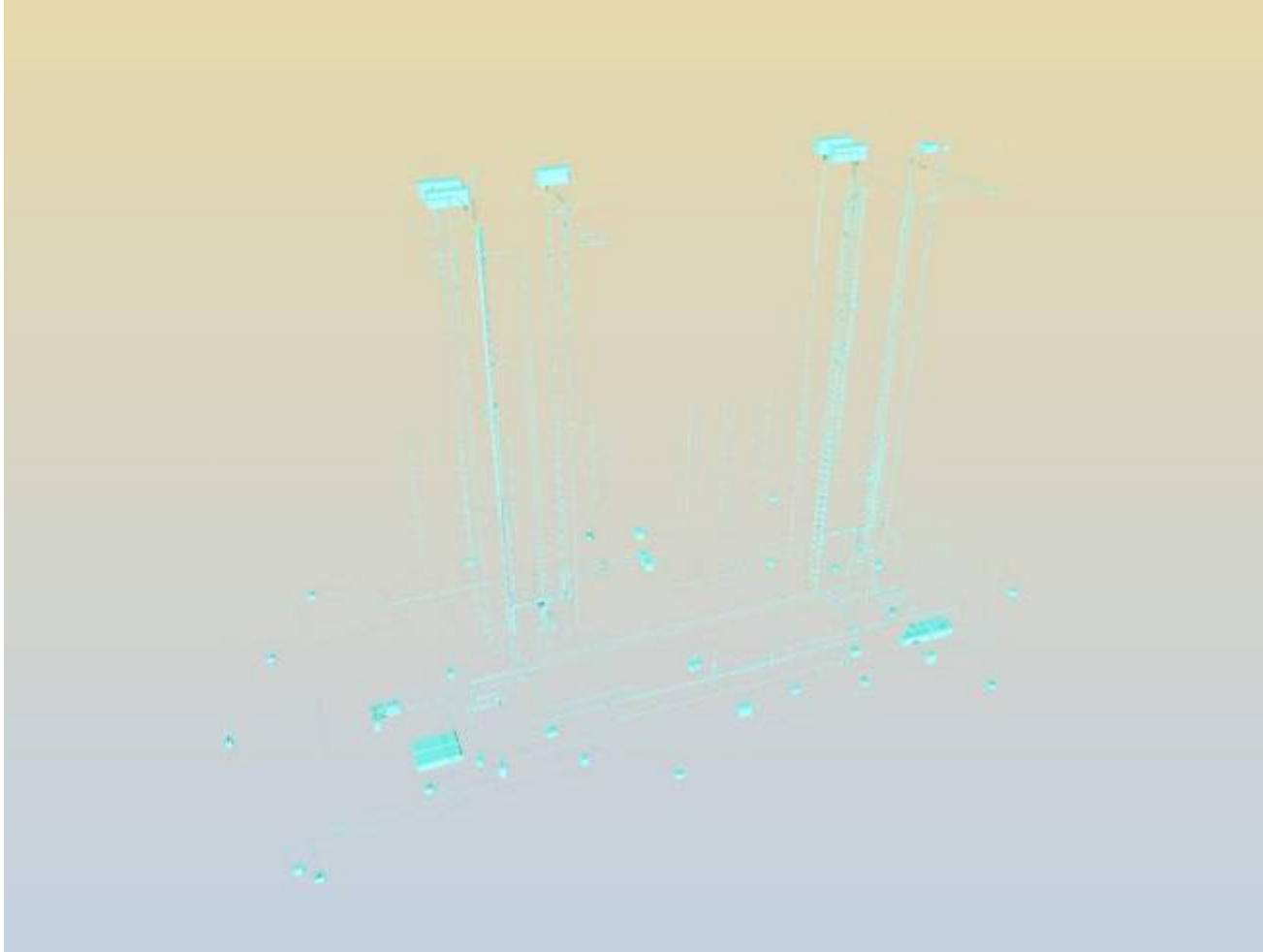


Electricity Installation 電力系統

部分

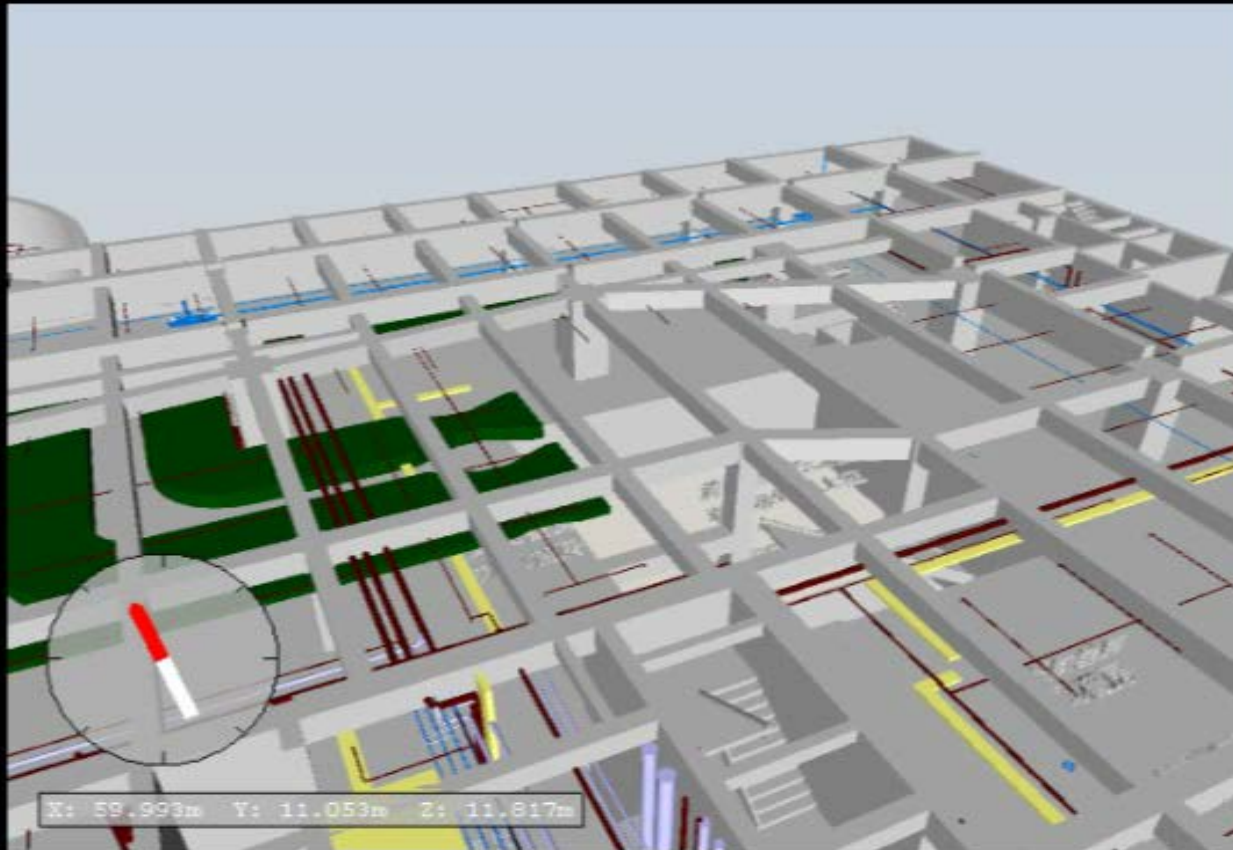


Plumbing & Drainage Installation 排水管道部分



Work Flow - Clashes

Identification Processes



Work Flow – Clashes Report

流程 – 碰撞檢驗報告



21 September 2006

Clashes Reports of Structural models vs MEP models for World Finance Centre
(Above Ground).

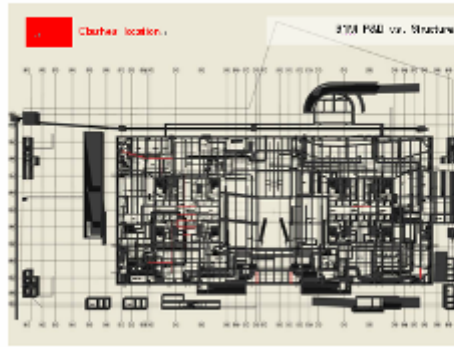
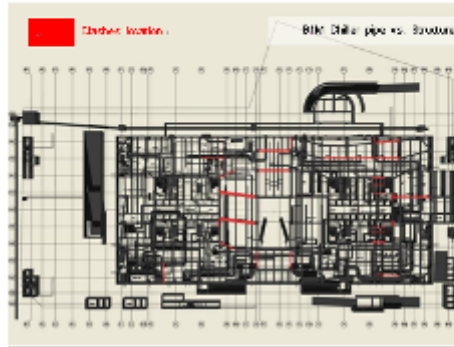
SUMMARY	Model Clashes Enclosed
Structure vs HVAC Duct	3132
Structure vs HVAC Duct vs Pipe	1770
Structure vs HVAC Drainage	81
Structure vs HVAC Electric	805
Structure vs HVAC FS	2 (15300)
Total	5609



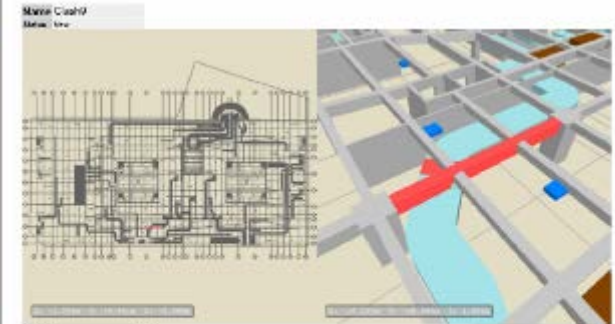
Page 194.



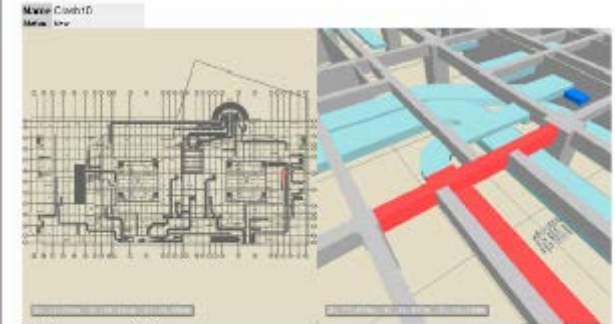
25 September 2006



Page 203.



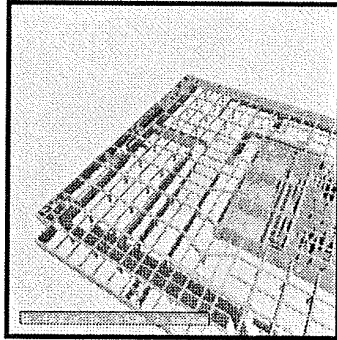
Distance: < 0.01
 Point: 287.1228 7.24 28
 Location (1): -14.270
 Location (2): -14.270
 Location (3): -14.270
 Plan (2d) Path (Structure): Red <>> B3.402 <>> B3.402 <>> B3.402 <>>
 Revised (2d) Path (Structure): Red <>> B3.402 <>> B3.402 <>> B3.402 <>>



Distance: < 0.00
 Point: 287.1228 7.24 28
 Location (1): 287.1228
 Location (2): 287.1228
 Location (3): 287.1228
 Plan (2d) Path (Structure): Red <>> B3.402 <>> B3.402 <>> B3.402 <>>
 Revised (2d) Path (Structure): Red <>> B3.402 <>> B3.402 <>> B3.402 <>>

Work Flow – Clashes Report

流程 – 碰撞報告



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

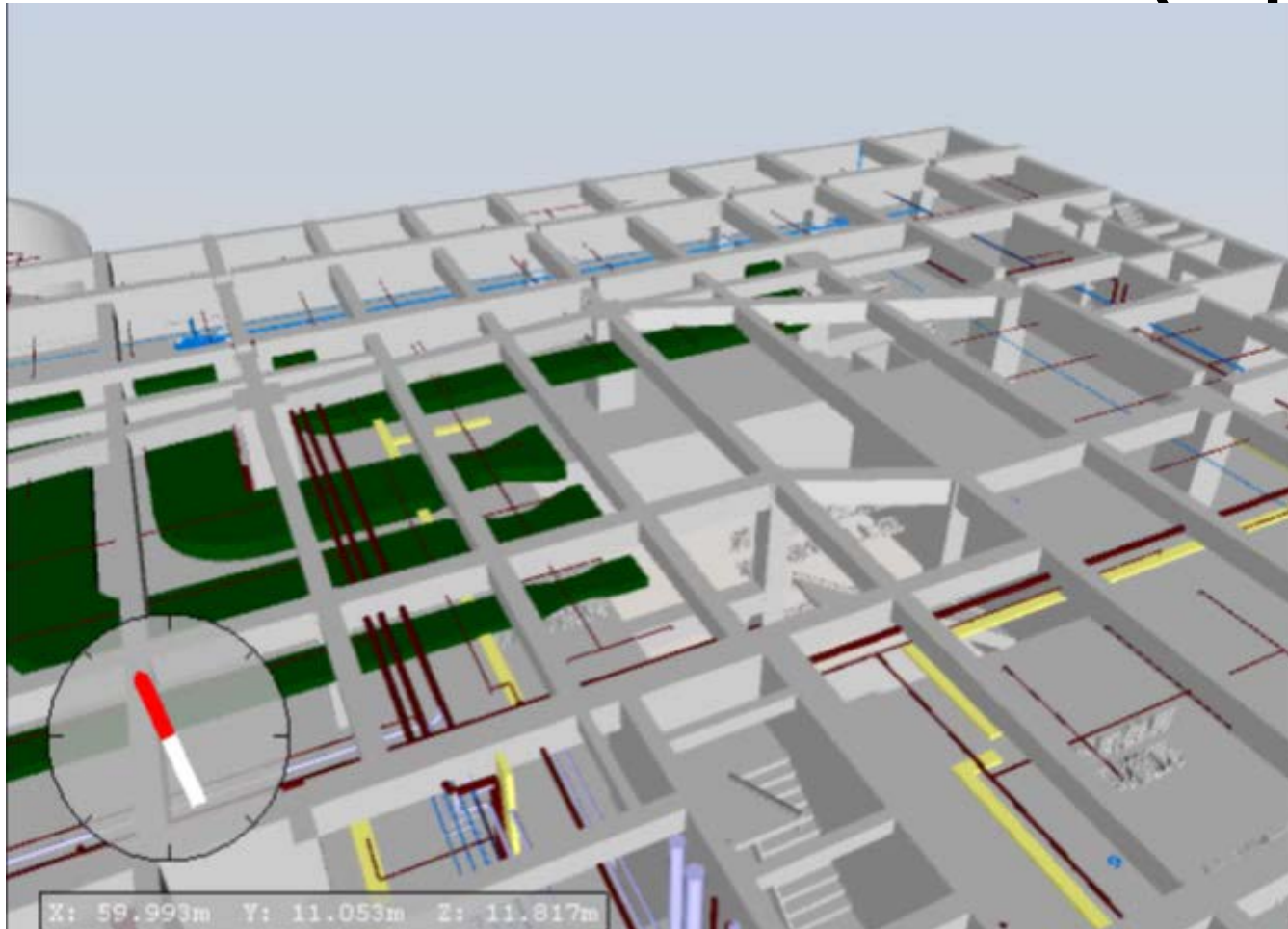
Results – No of Clashes

結果 – 碰撞數目

	HVA C Duct work	Chill er Wat er Pipe	Fire Serv ices	P&D	Elect rical	Tot al
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
Tota l	0	0	0	0	0	0

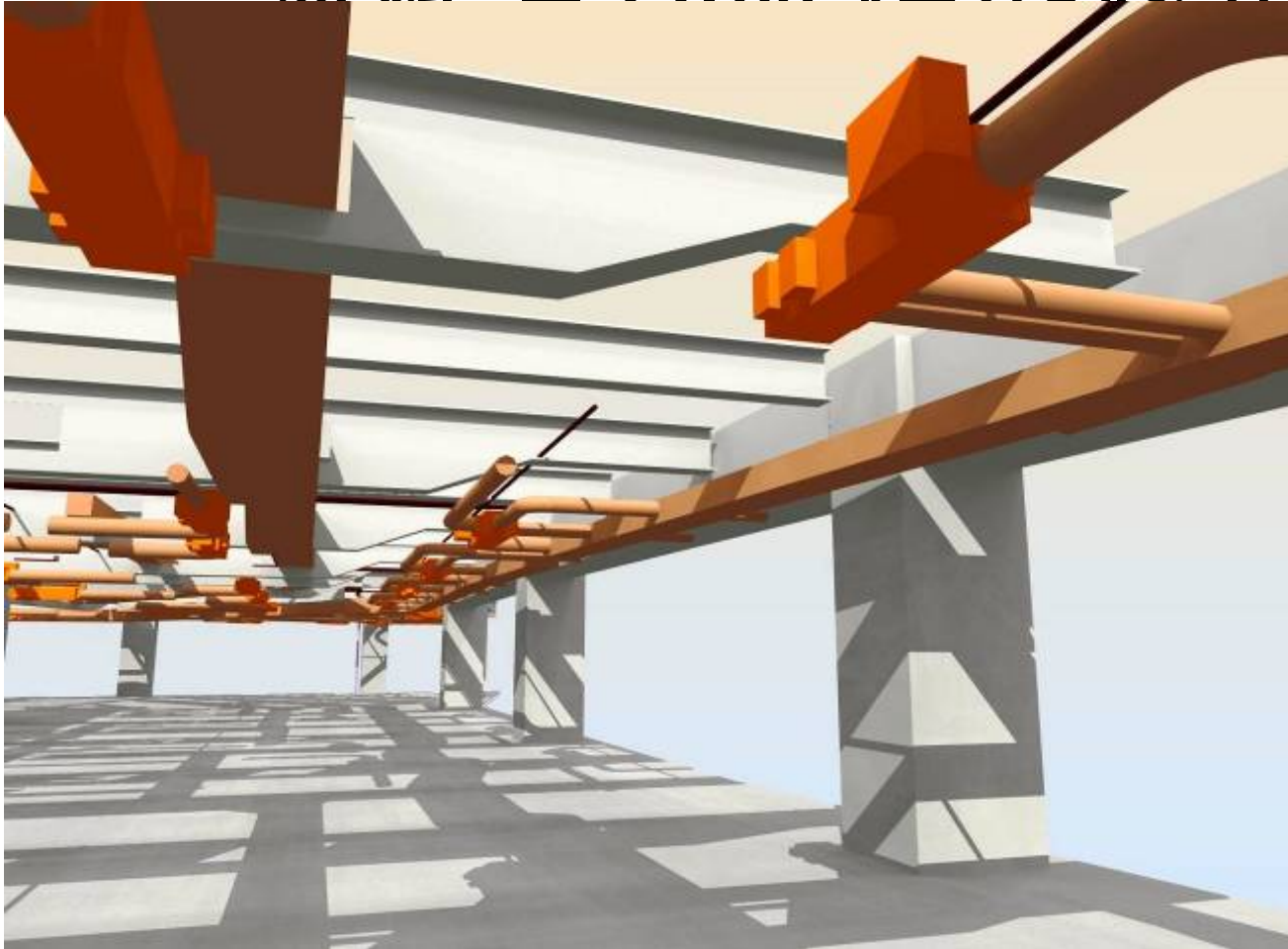
Work Flow – Clashes

Identification Process (Update)



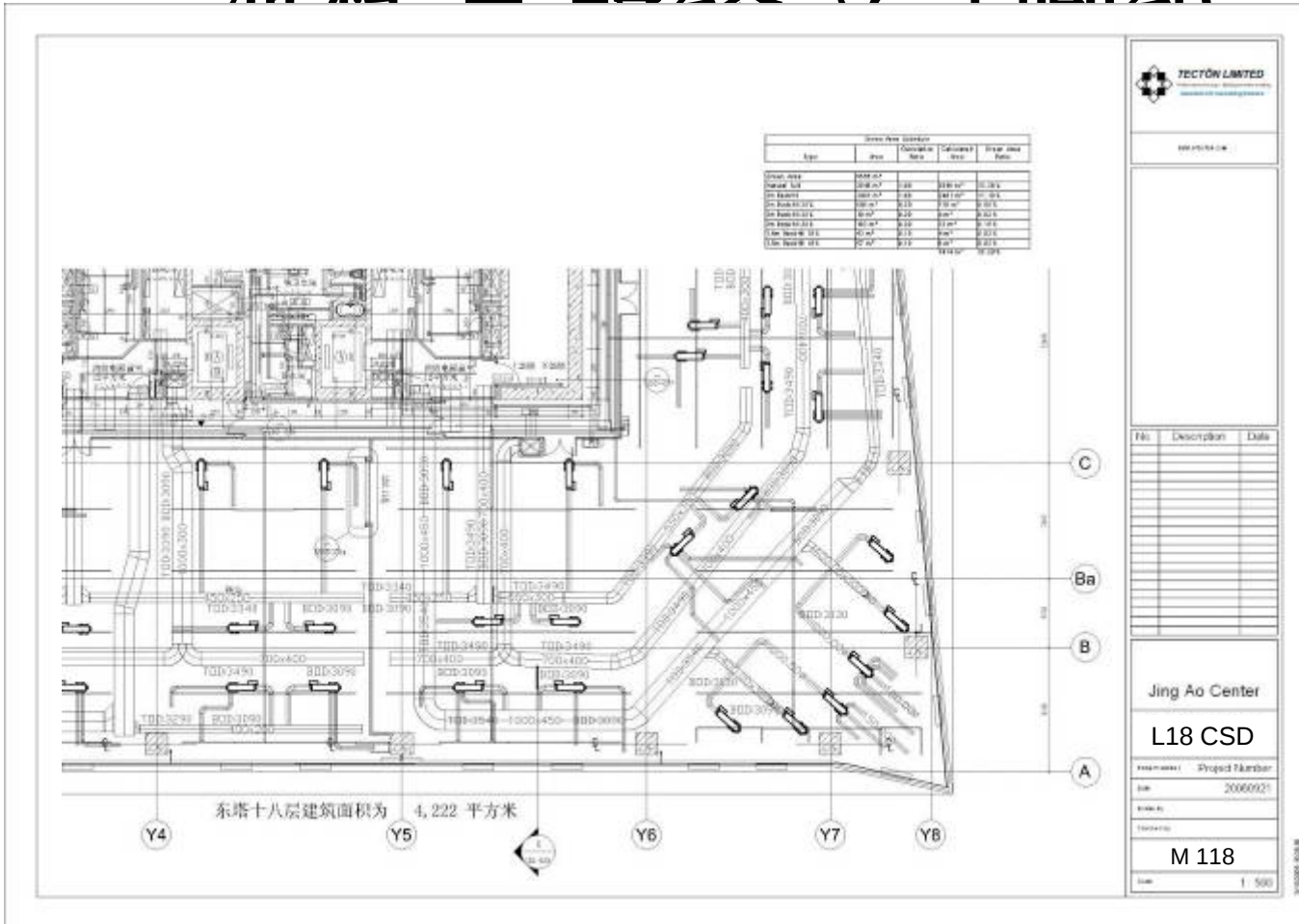
WORK FLOW – BIM Model Revision

流程 – BIM 模型修正



WORK FLOW – Production of Final Design Drawing

流程 – 最終設計圖紙



设计信息贯穿行业价值链

设计行业

+

甲方

+

施工单位

