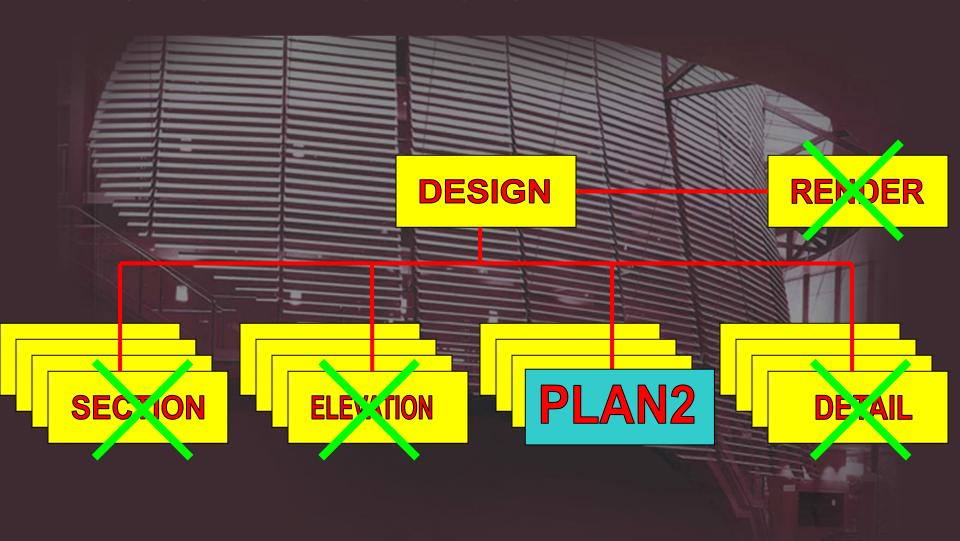
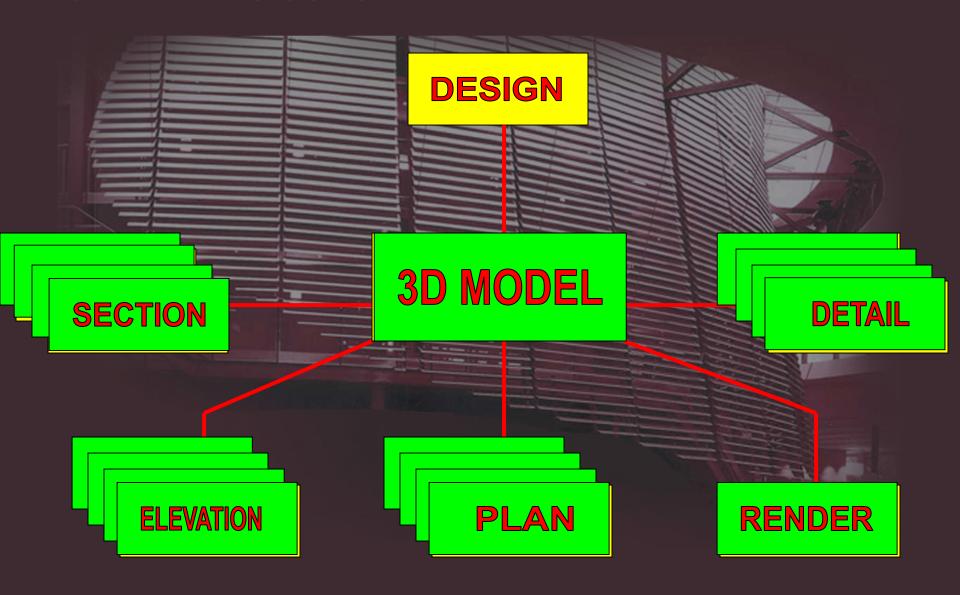


An Architect's Experience of how the Efficiency, Accuracy and Productivity in Building Design and Building Services are integrated

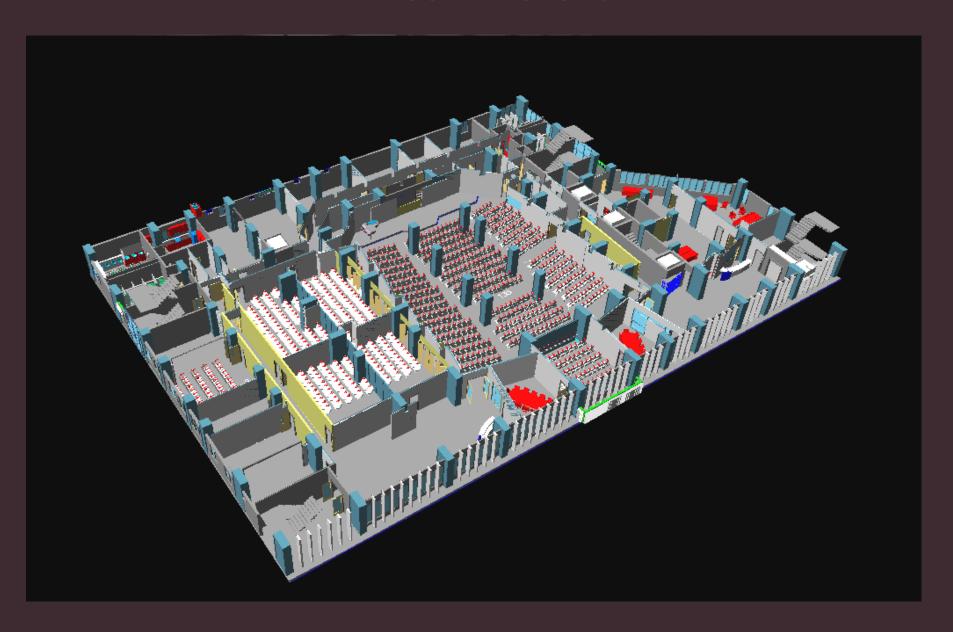
EXISTING DRAWING PRACTICE



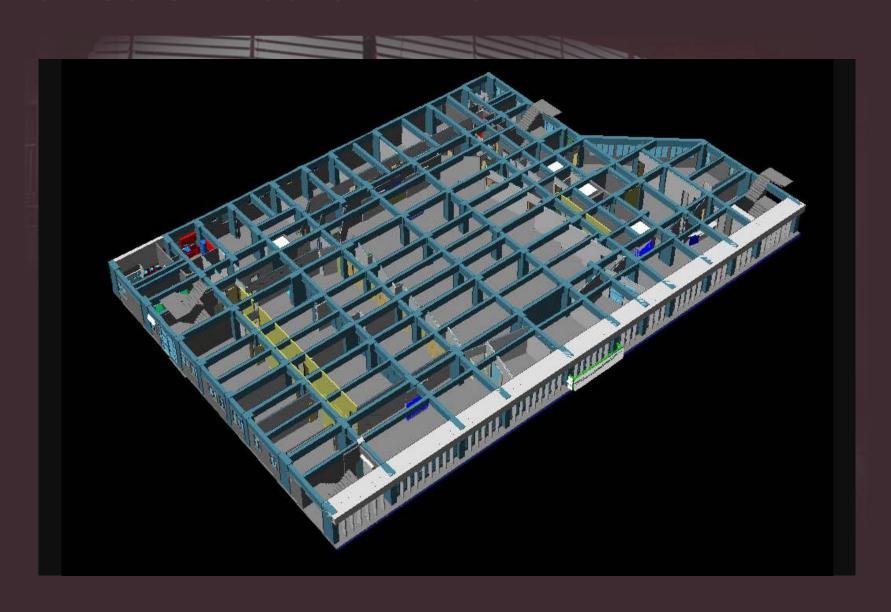
3D DRAWING CONCEPT



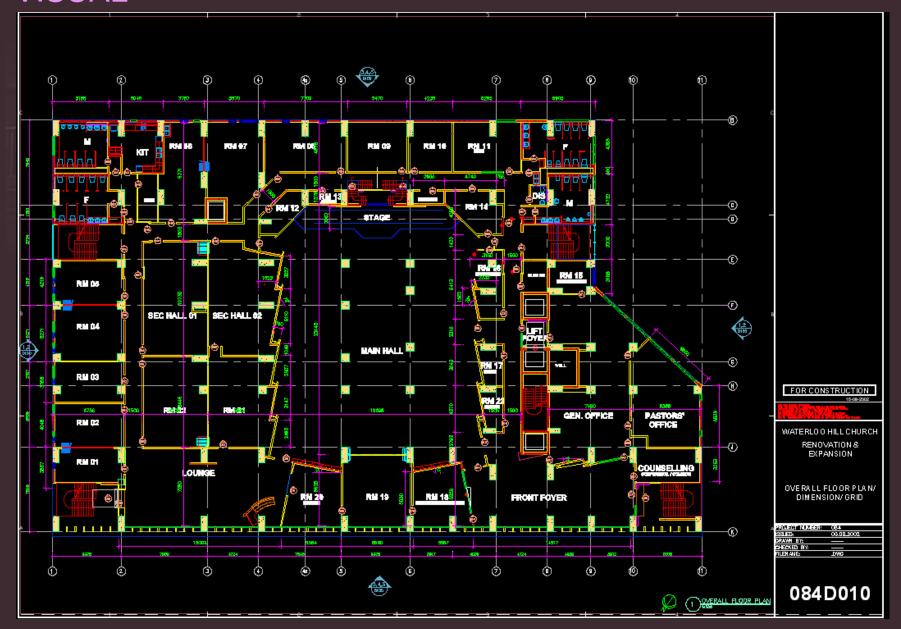
EVANGELICAL FREE CHURCH OF CHINA WATERLOO HILL CHURCH



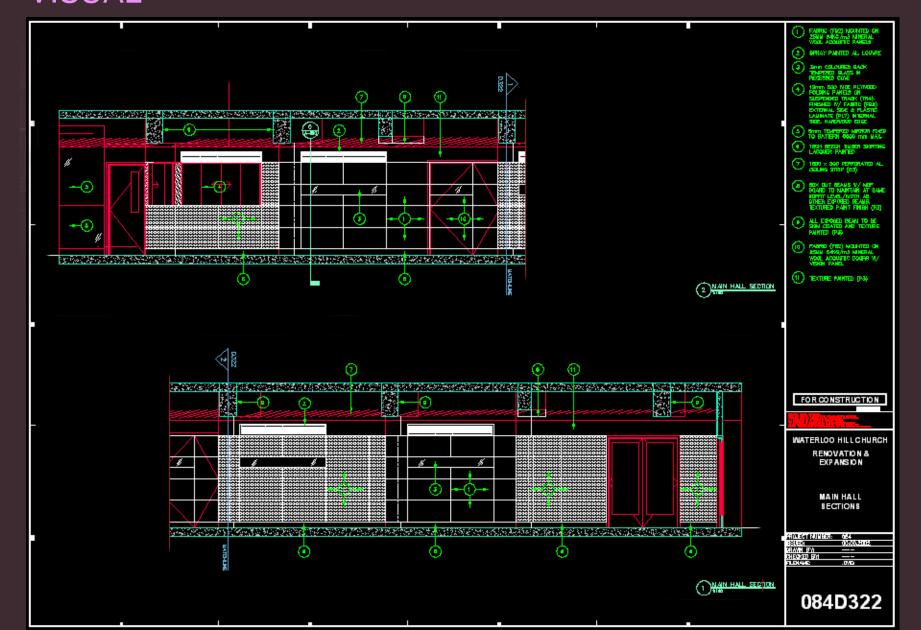
STRUCTURAL CONSTRAINTS



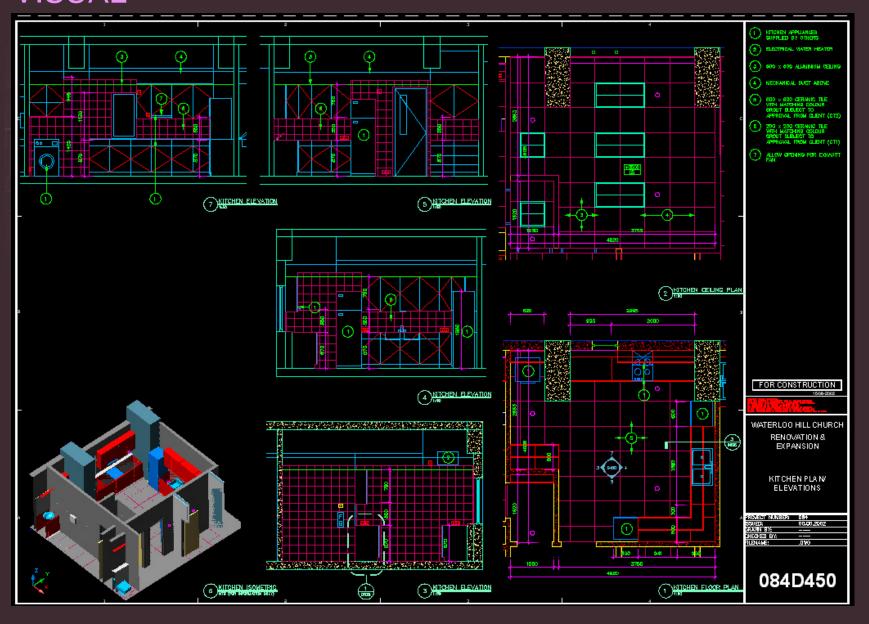
SELF GENERATED DOCUMENTATION – SIMPLE, VISUAL



SELF GENERATED DOCUMENTATION – SIMPLE, VISUAL



SELF GENERATED DOCUMENTATION – SIMPLE, VISUAL



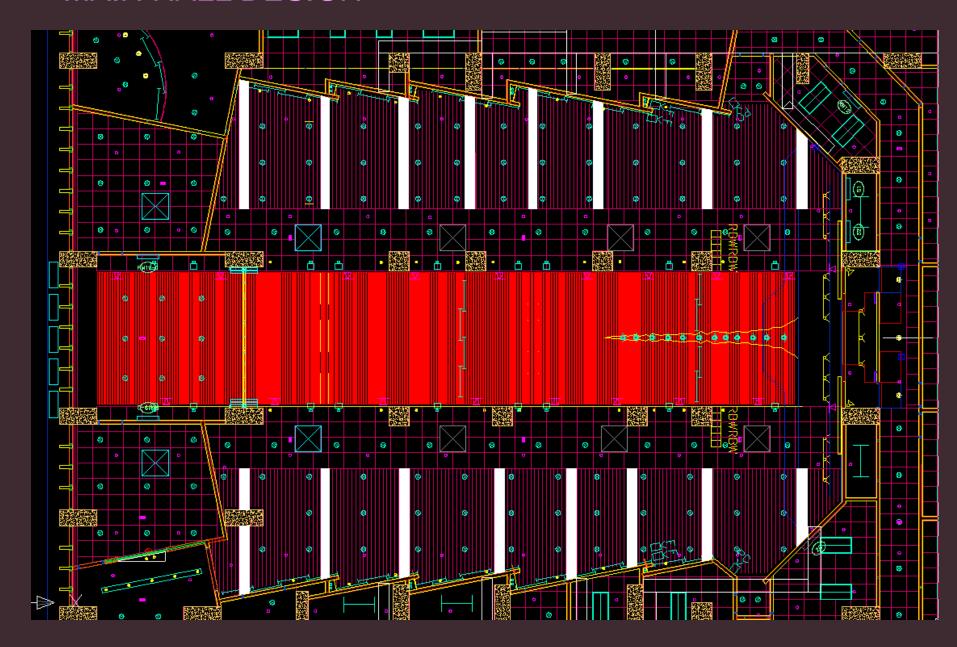




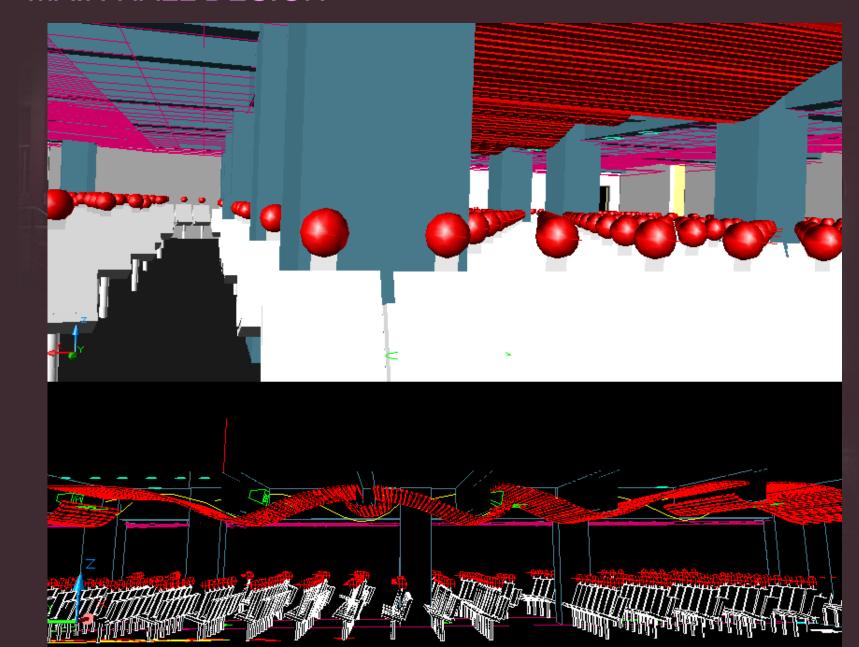




MAIN HALL DESIGN



MAIN HALL DESIGN





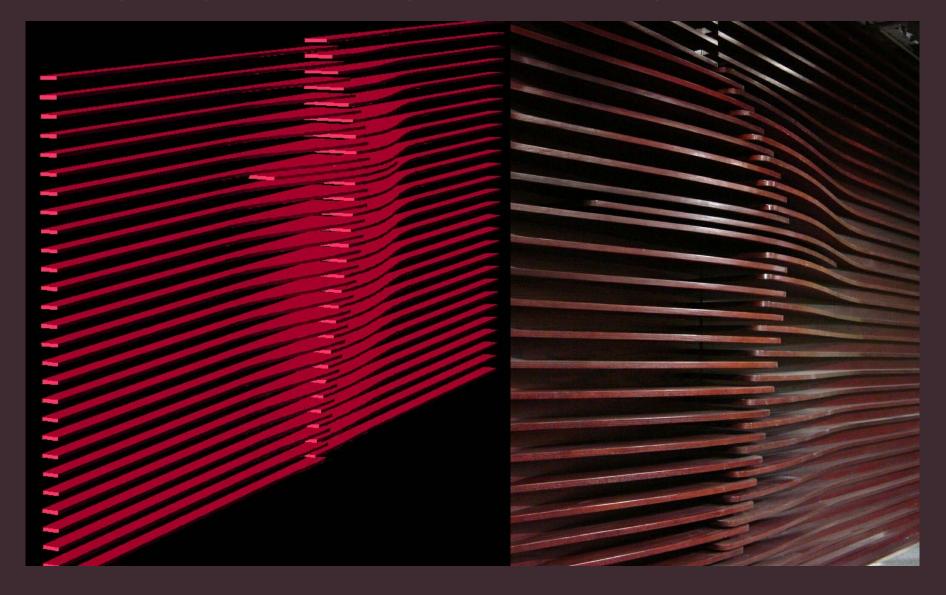


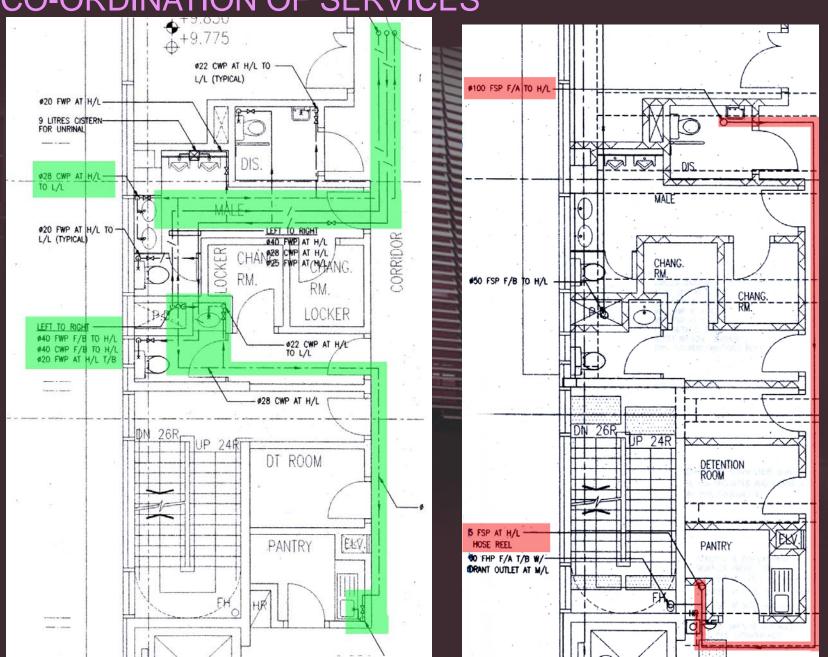


WYSIWYG – What You See Is What You Get

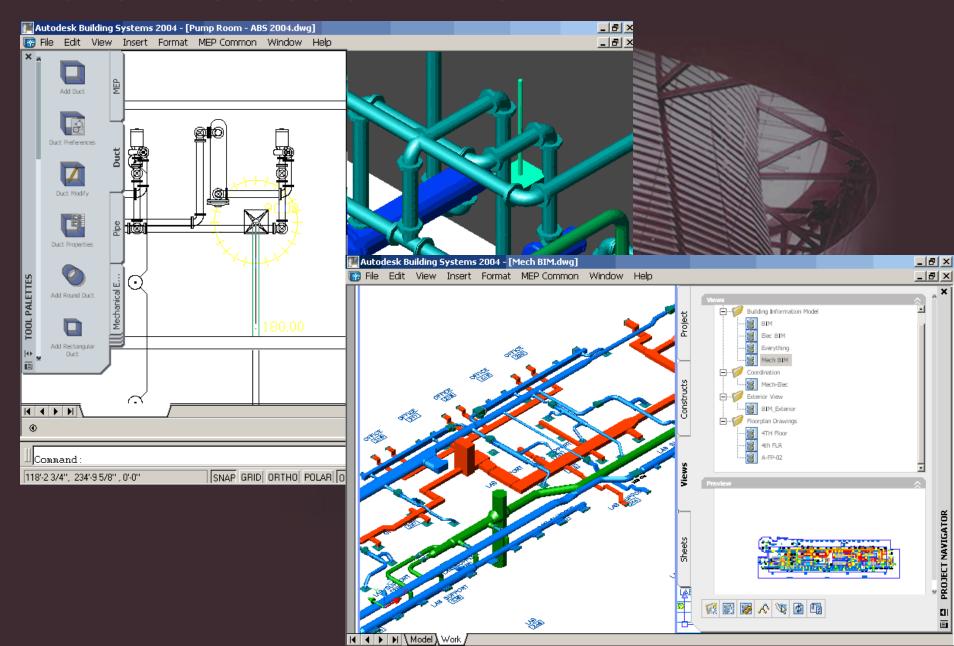


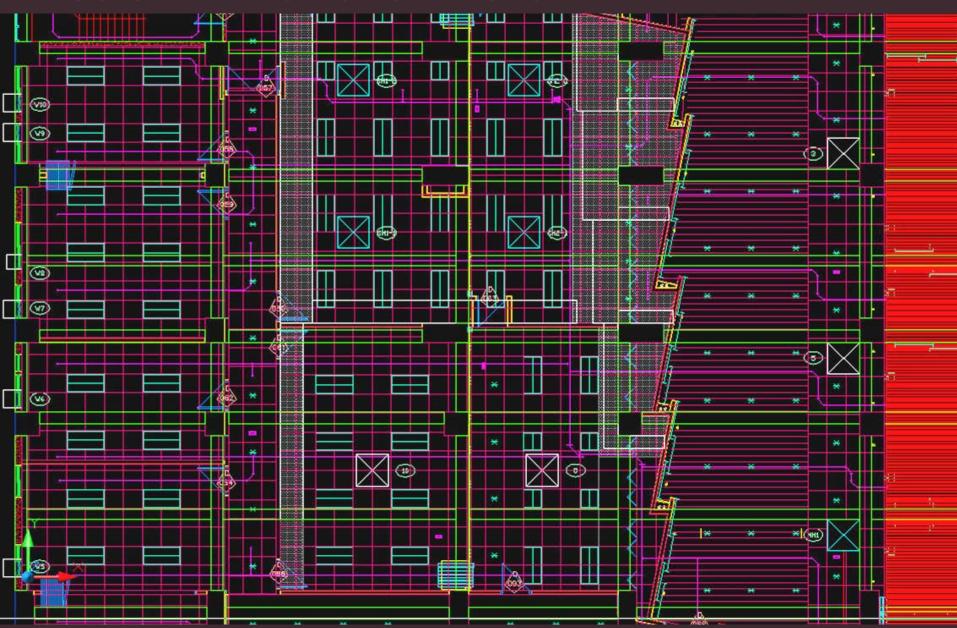
WYSIWYG – What You See Is What You Get

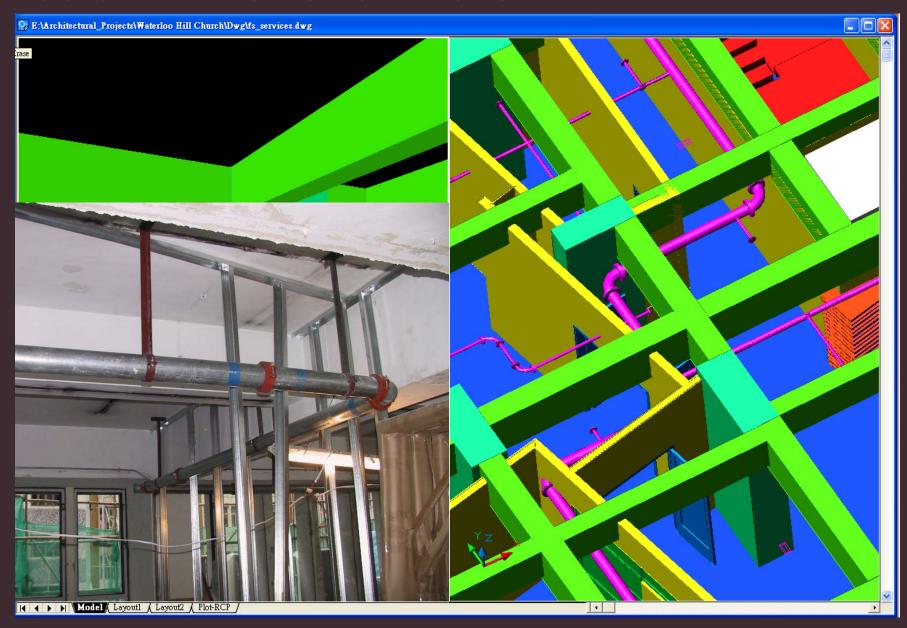




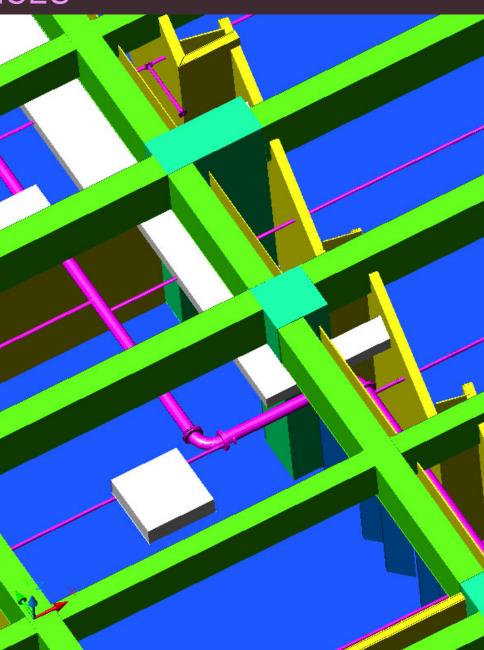
3D SERVICES CO-ORDINATION





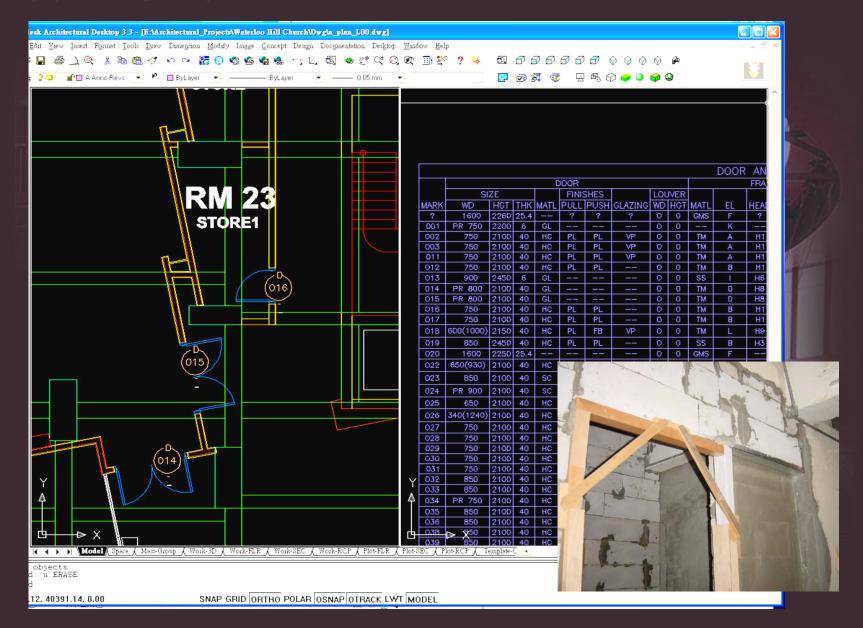




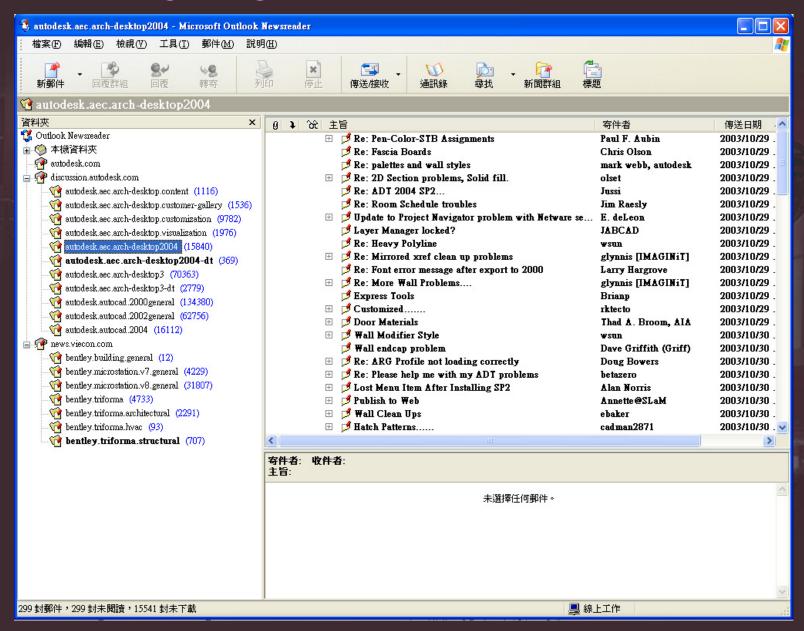




SCHEDULES



WE ARE NOT ALONE!!!



3D MODELLING IN BUILDNG DESIGN IS......

 Multiple Efficiency (Double productivity – easy *N*YSIWYG - More Time in Design, Not Drafting - Coherence in Information - Collaboration among Disciplines - Resolves Problem in Early Phase the way to go!!!