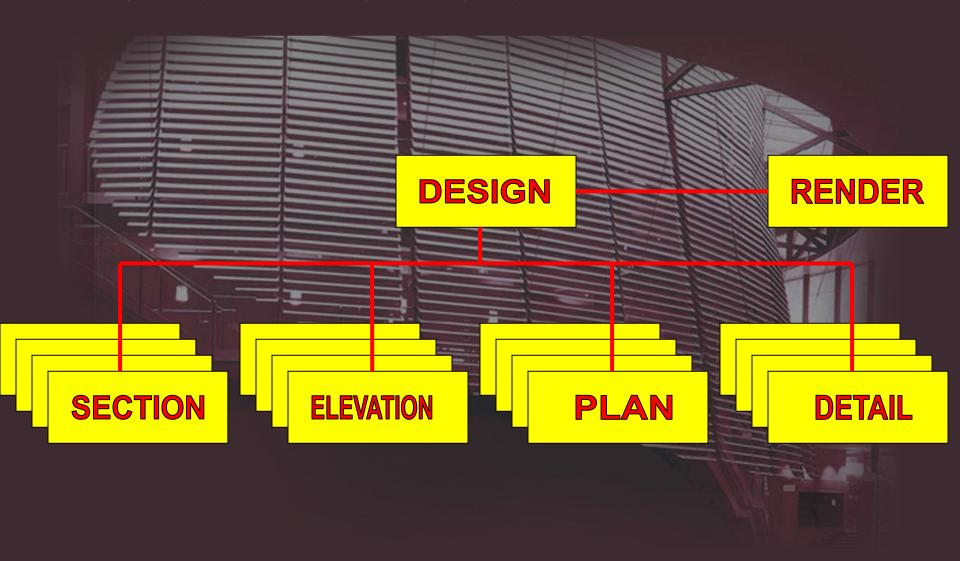


An Architect's Experience of how the Efficiency, Accuracy and Productivity in Building Design, Documentation and Construction are revolutionized

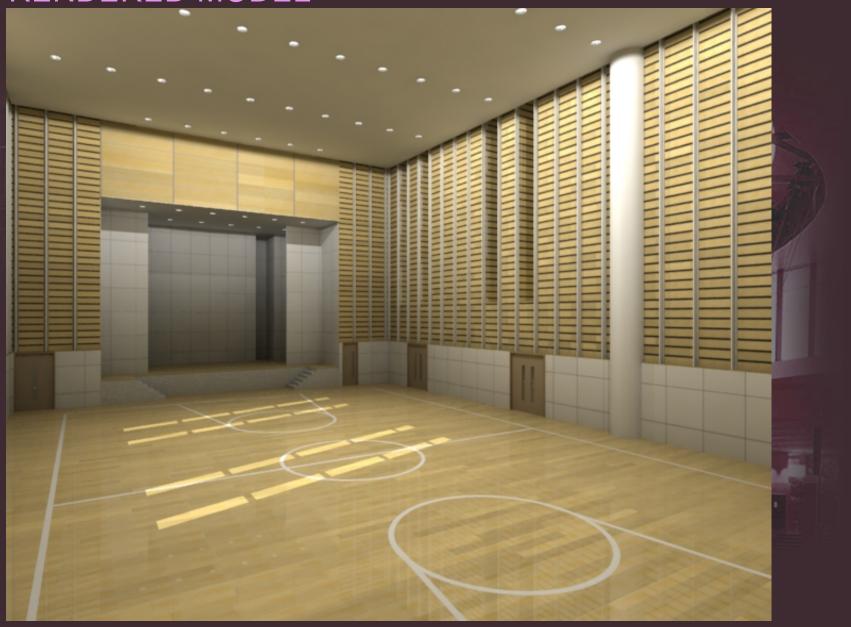
EXISTING DRAWING PRACTICE



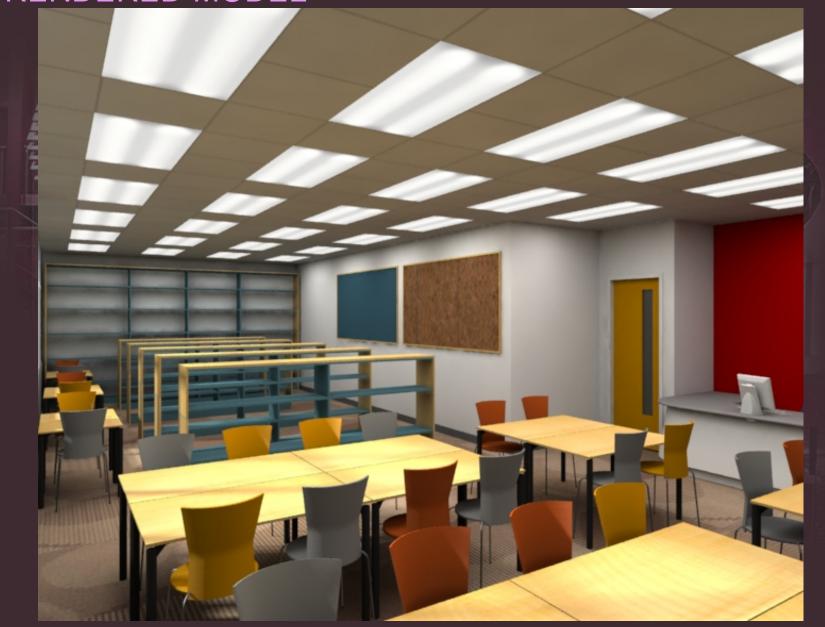
RENDERED MODEL



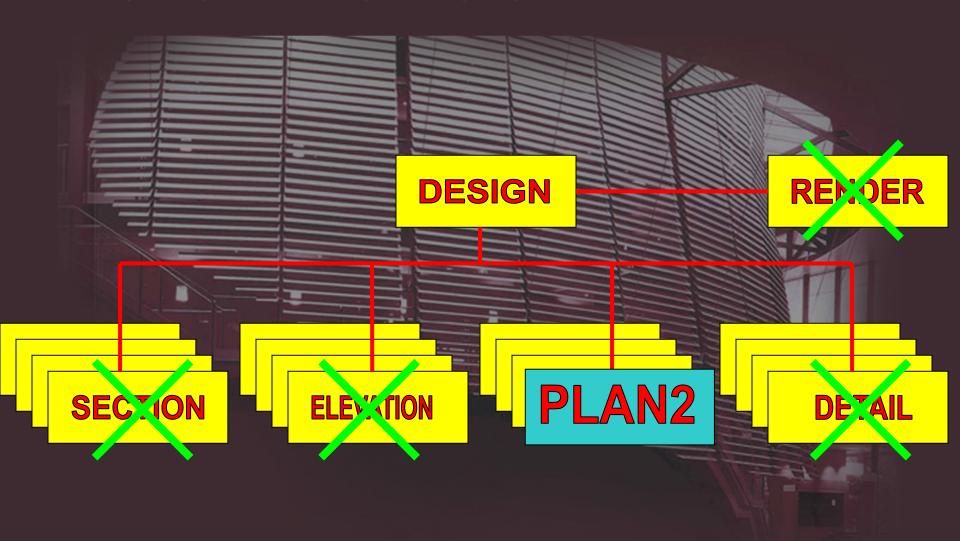
RENDERED MODEL



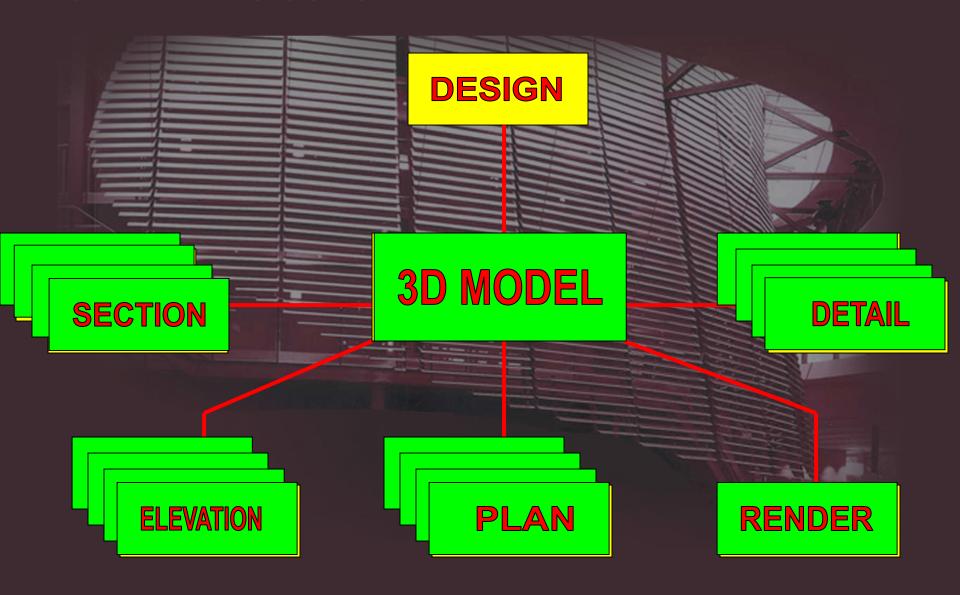
RENDERED MODEL



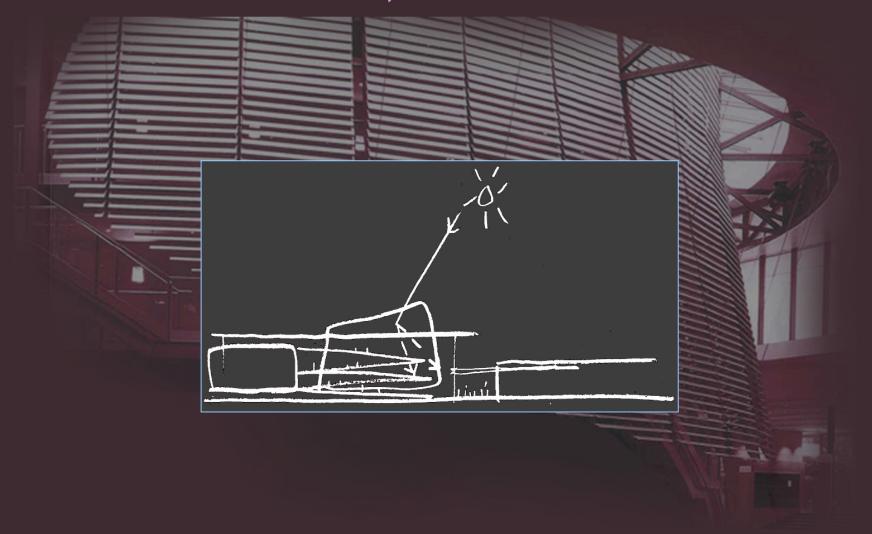
EXISTING DRAWING PRACTICE



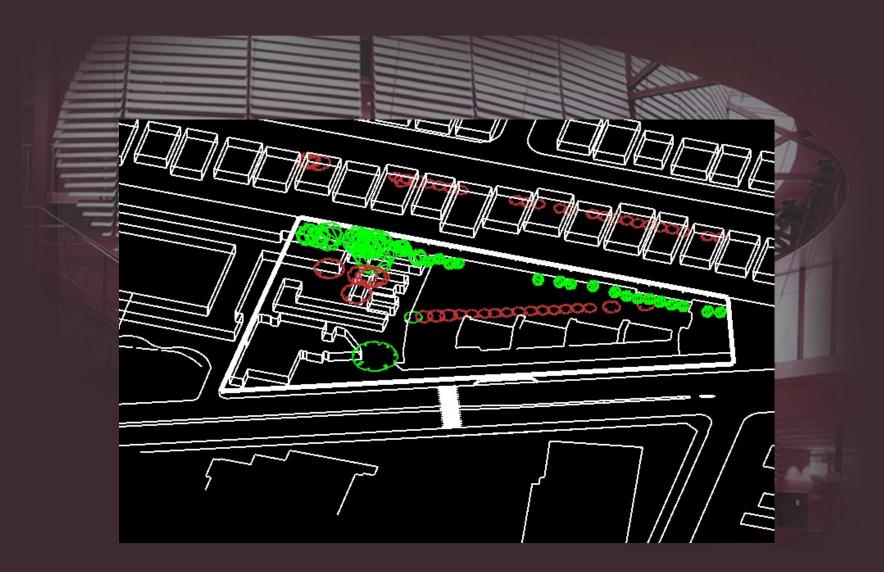
3D DRAWING CONCEPT



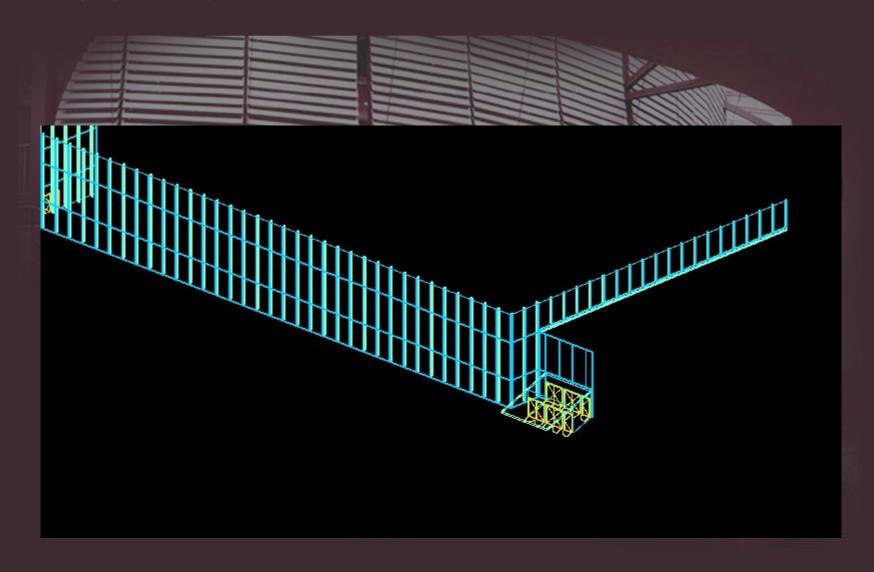
NATIONAL INSTITUTE OF DRAMATIC ARTS (NIDA) SYDNEY, AUSTRALIA



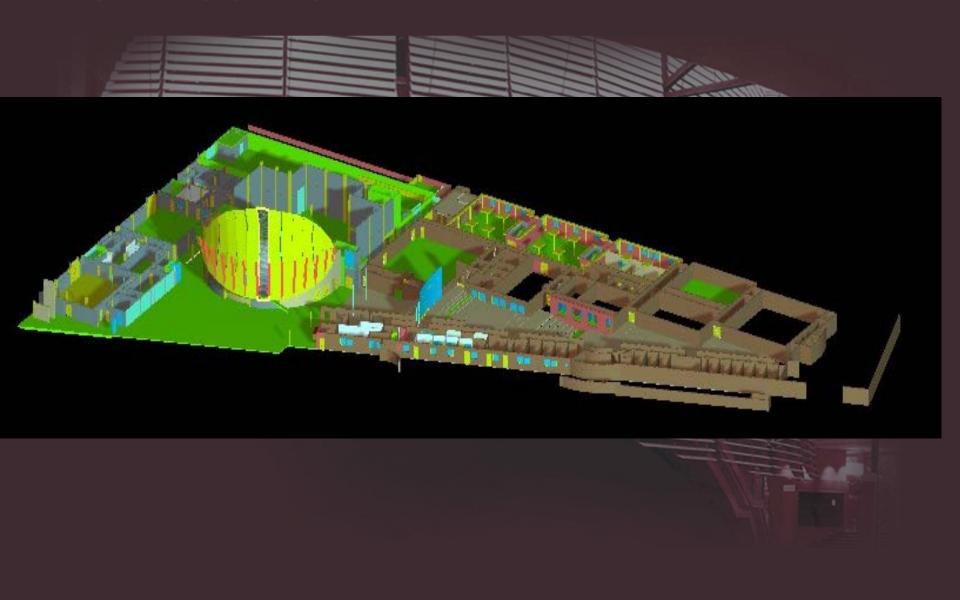
3D SITE



DESIGN IN 3D



BUILDING 3D MODEL

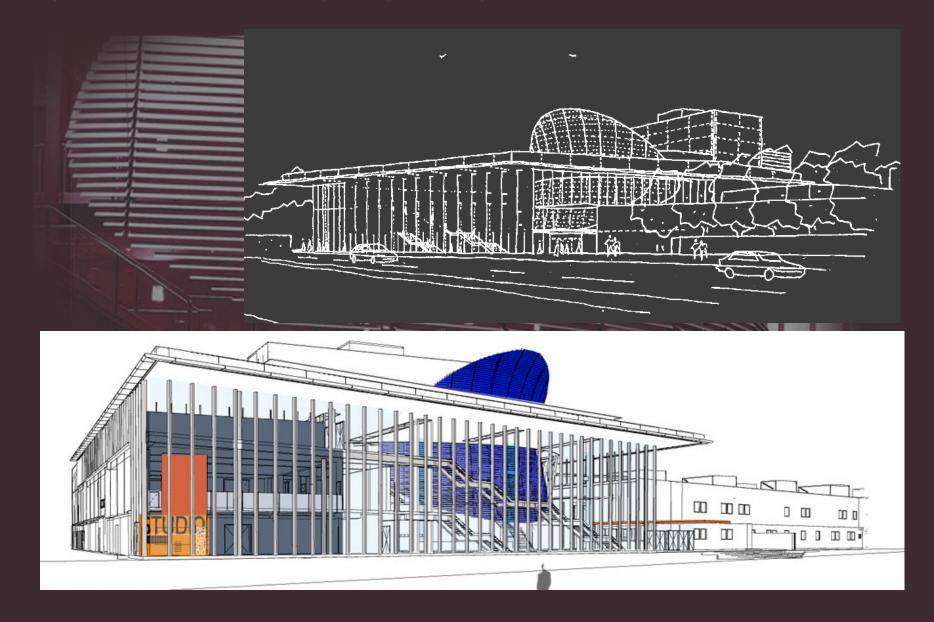


SELF-GENERATED ...

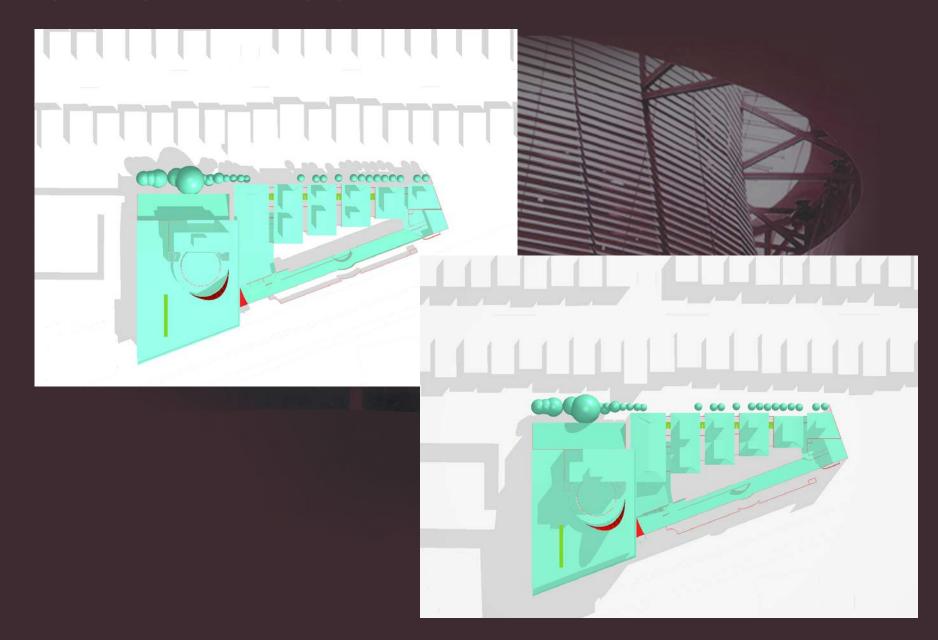


SECTIONS

GENERATED PERSPECTIVES



SHADOW ANALYSIS



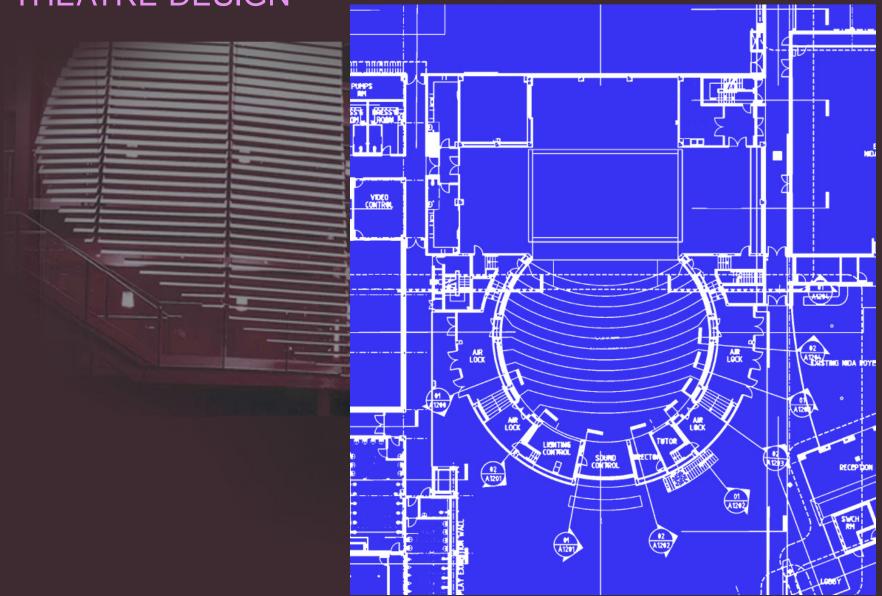
SAME MODEL RENDERING



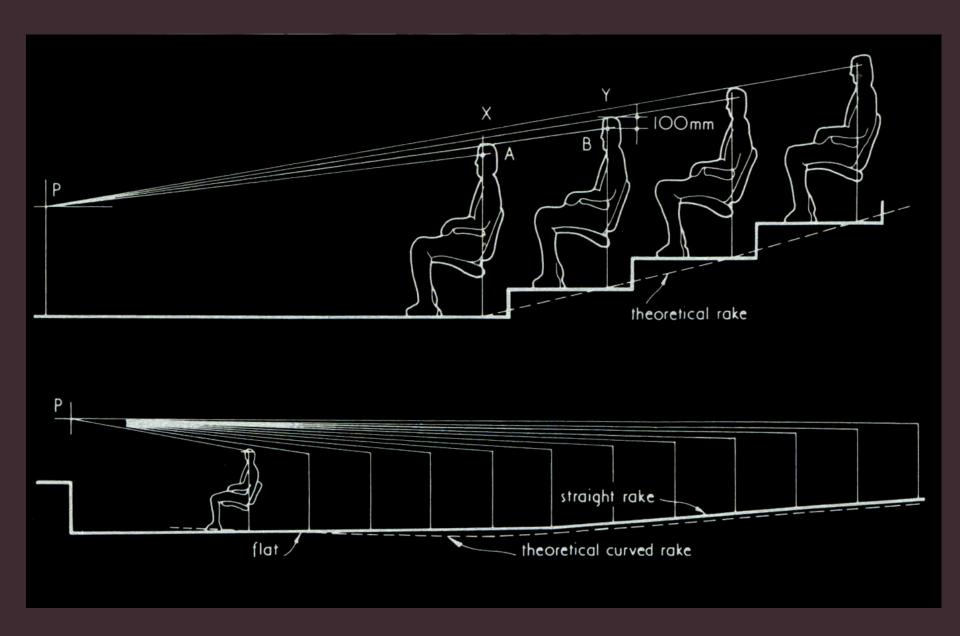
COMPLETED PROJECT



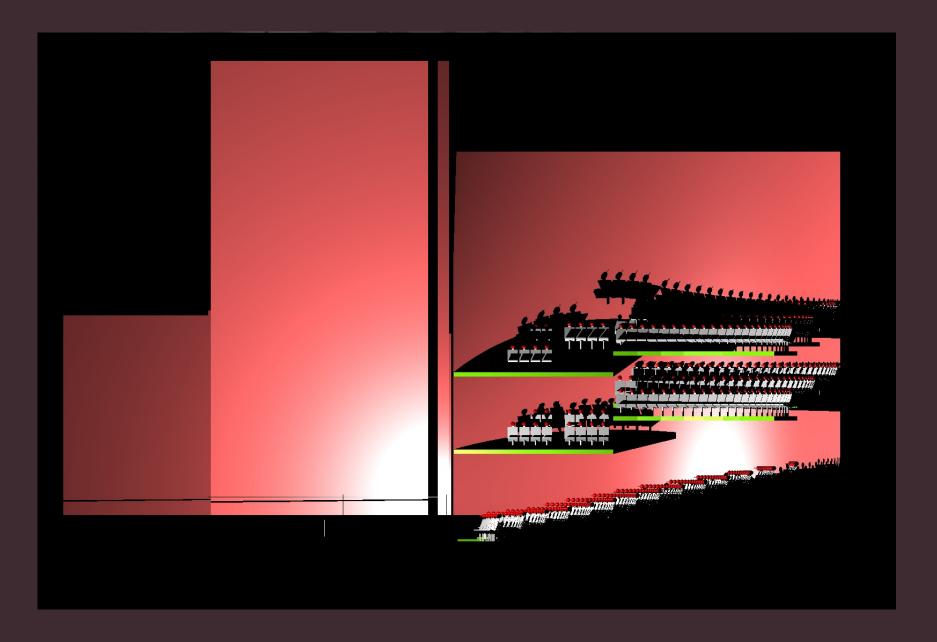
THEATRE DESIGN



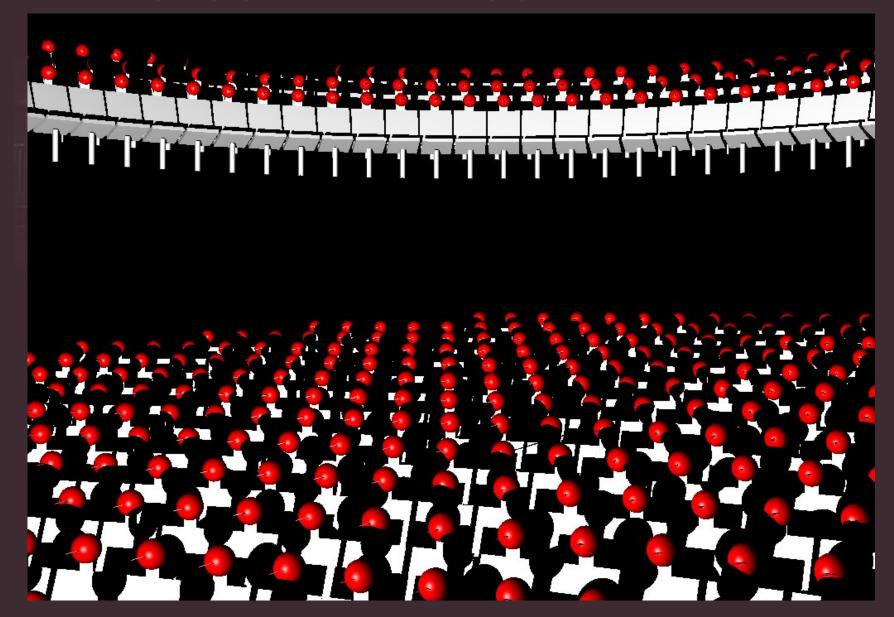
THEORETICAL SIGHTLINE ANALYSIS (METRIC HANDBOOK)



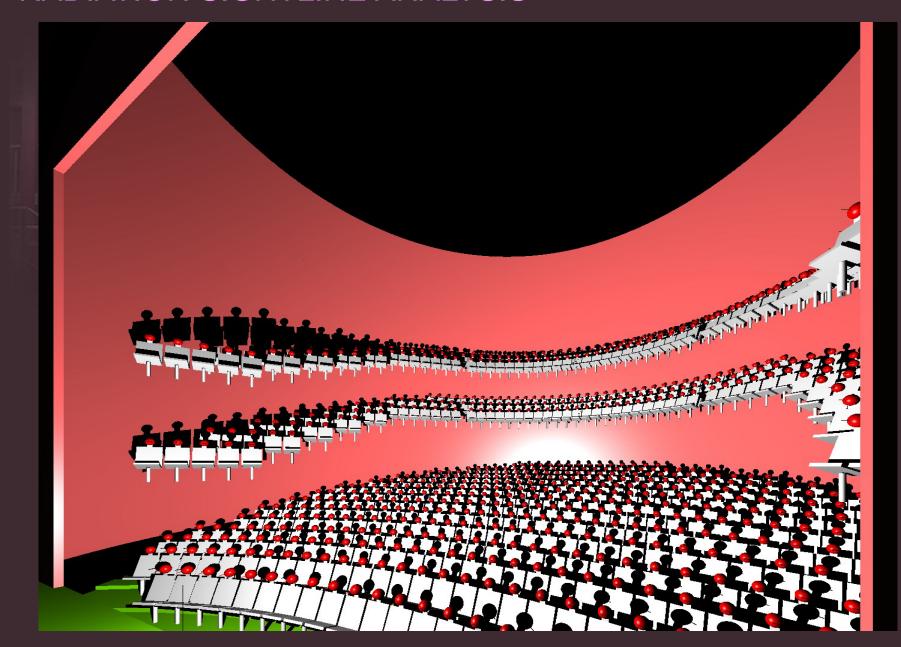
RADIATION SIGHTLINE ANALYSIS



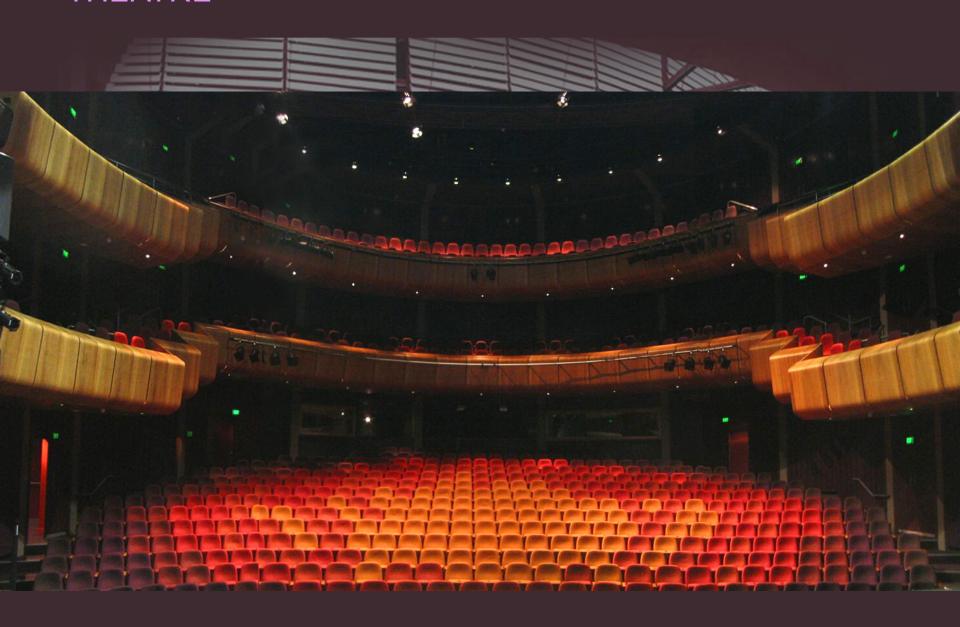
RADIATION SIGHTLINE ANALYSIS



RADIATION SIGHTLINE ANALYSIS



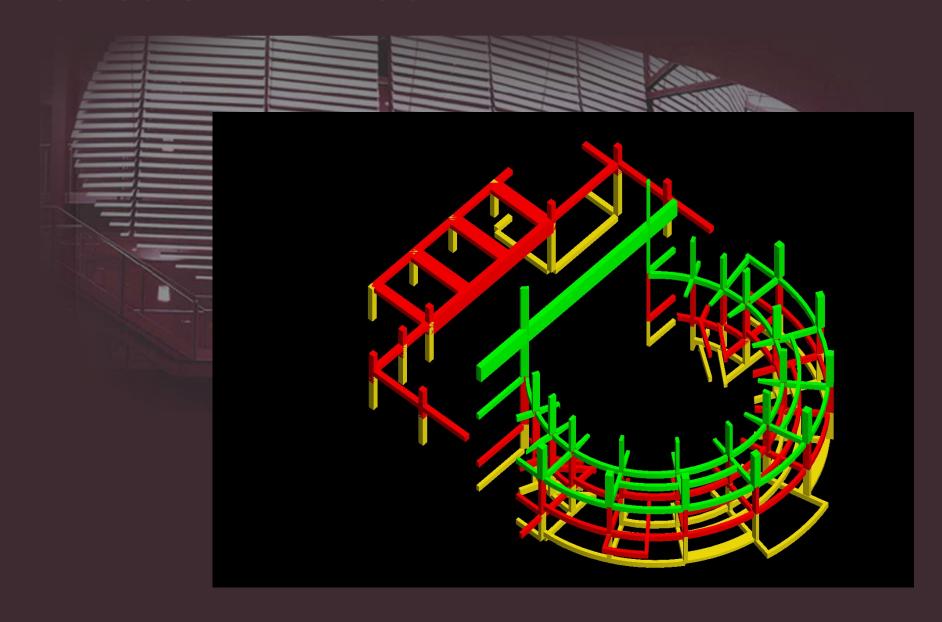
THEATRE



THEATRE



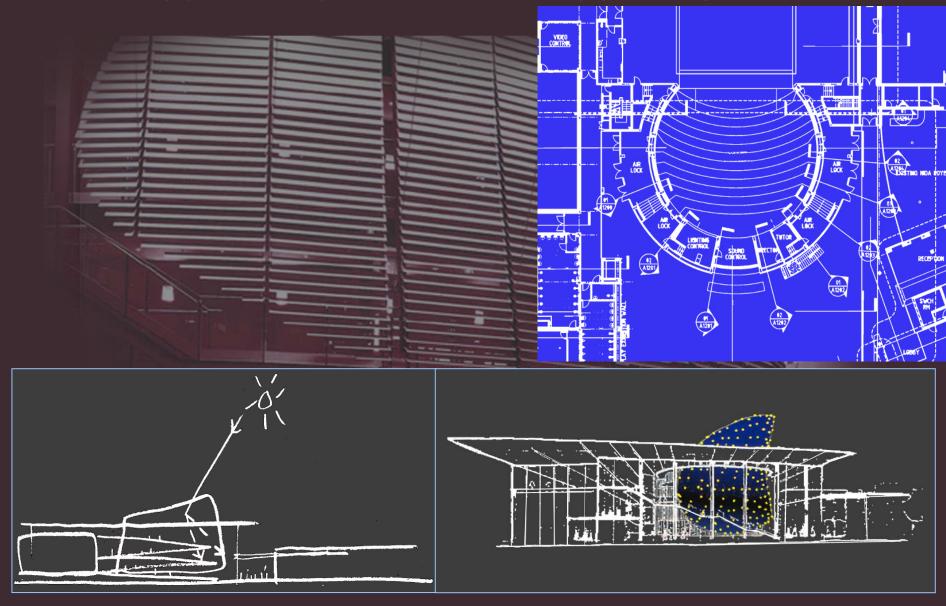
STRUCTURAL ANALYSIS



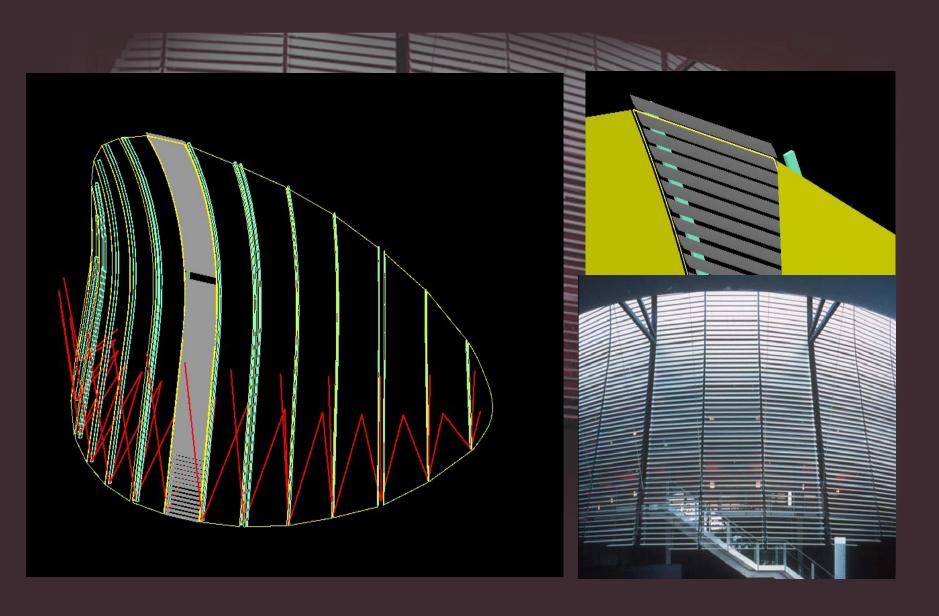
DESIGN - DOCUMENTATION - CONSTRUCTION



VEIL - SCIENTIFICALLY DERIVED CURVATURE



VEIL - COMPLICATED GEOMETRY

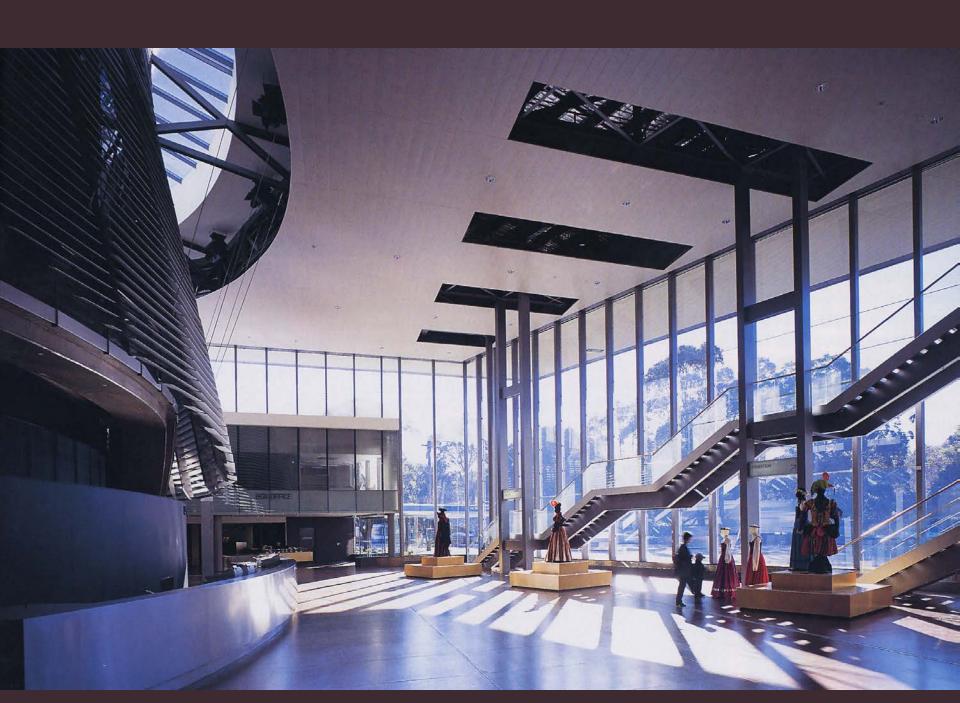






NIGHT SCENE

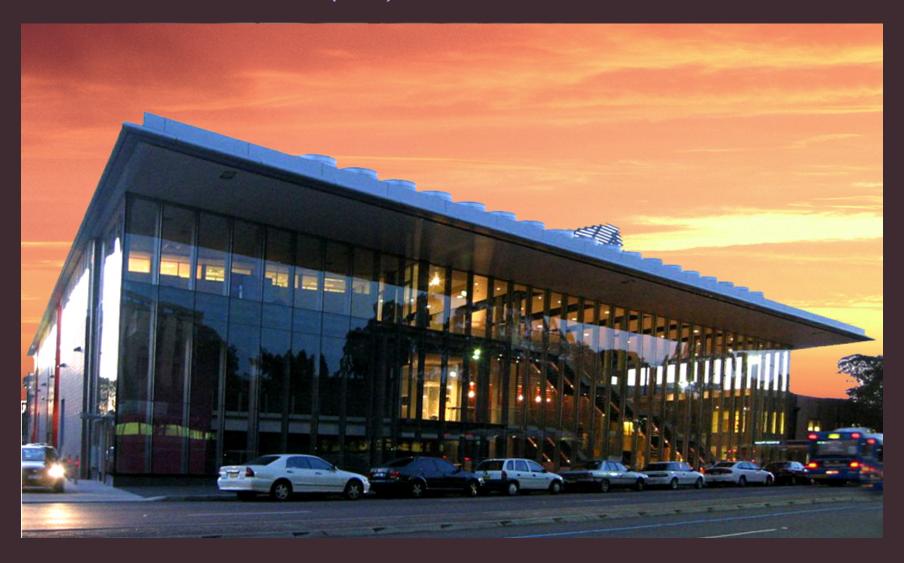




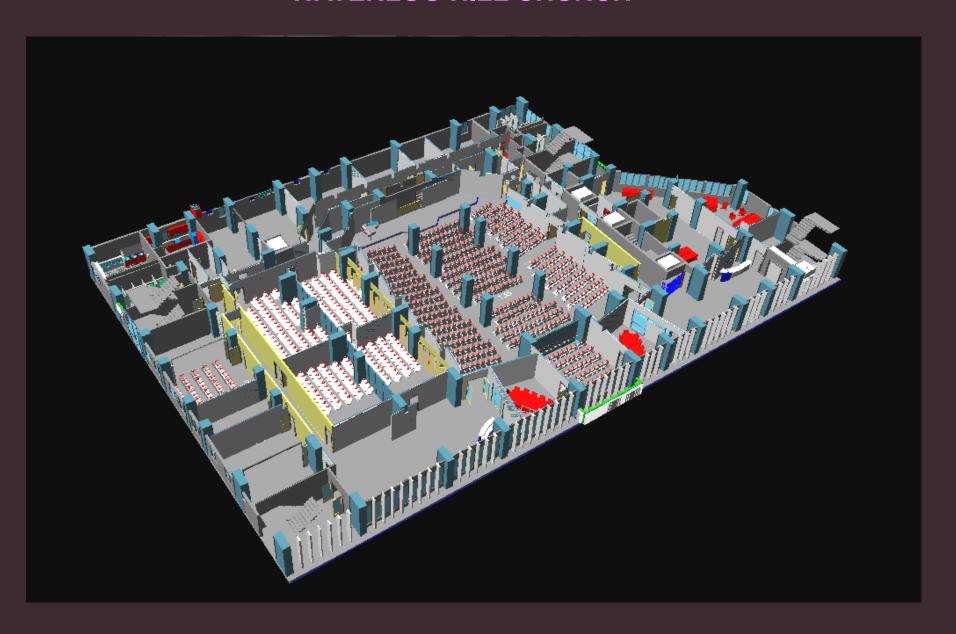


NATIONAL INSTITUTE OF DRAMATIC ARTS (NIDA)

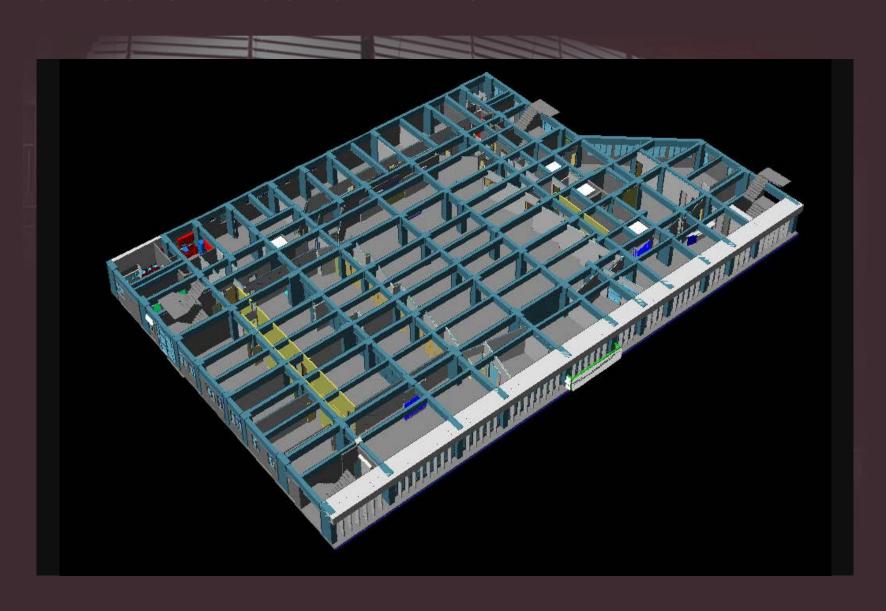
RAIA (NSW) Sulman Award 2002



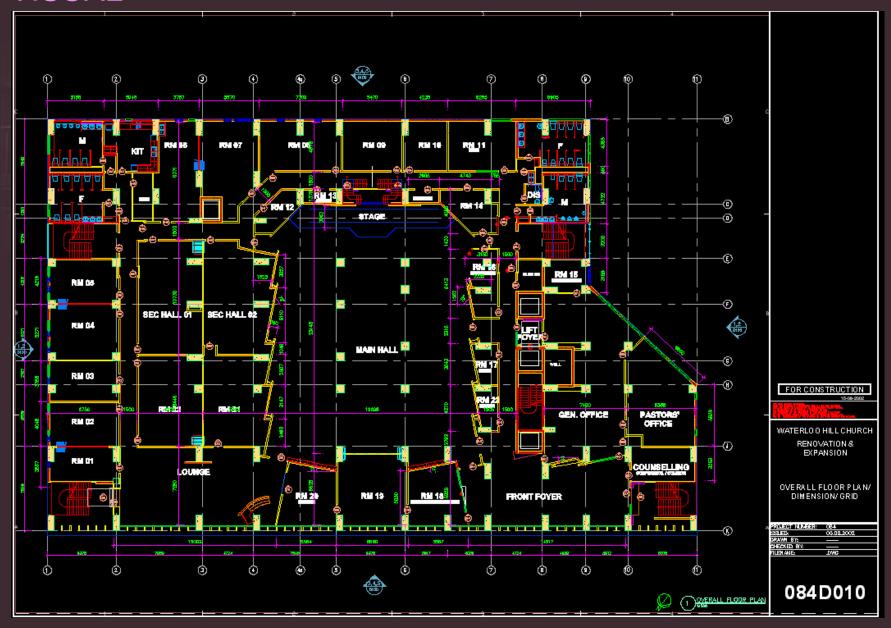
EVANGELICAL FREE CHURCH OF CHINA WATERLOO HILL CHURCH



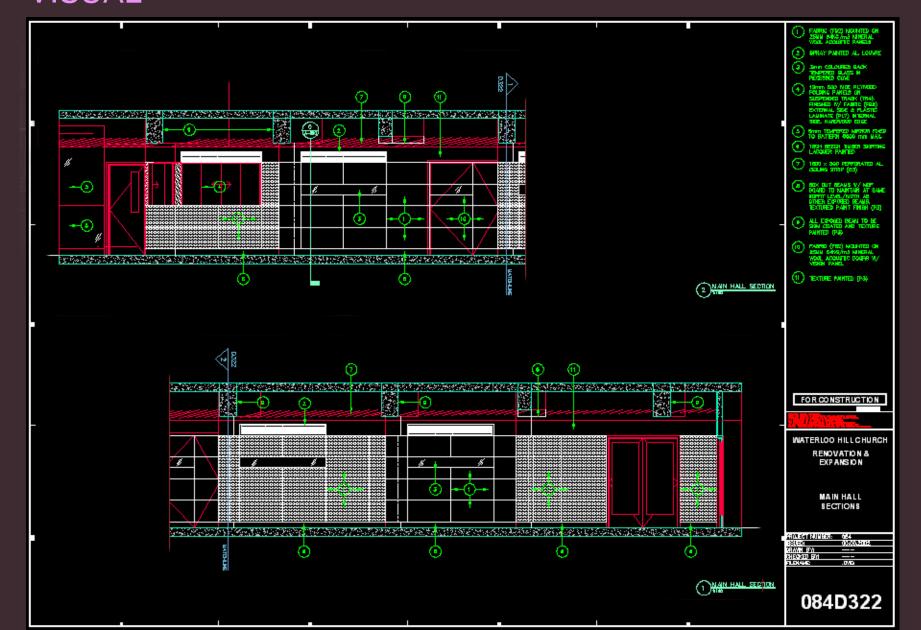
STRUCTURAL CONSTRAINTS



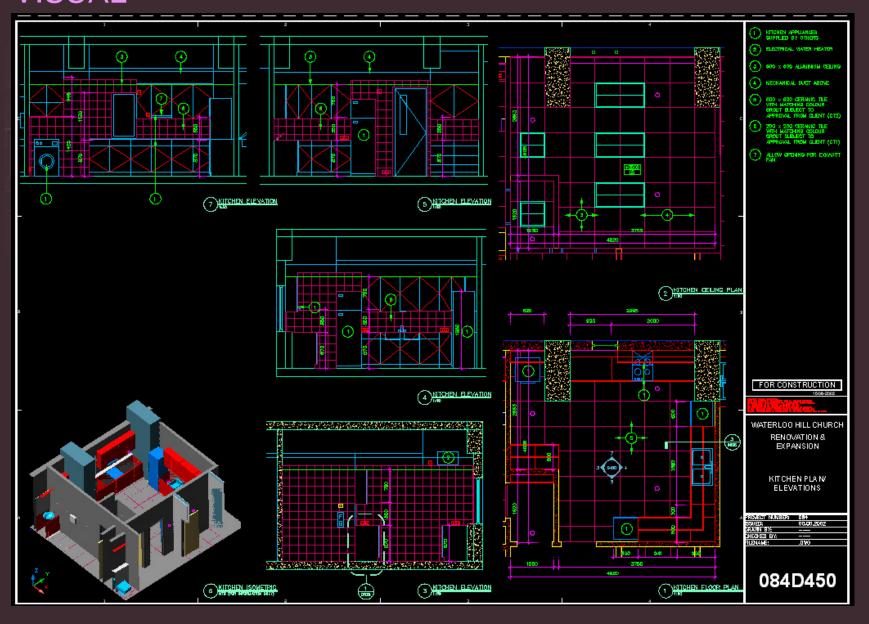
SELF GENERATED DOCUMENTATION – SIMPLE, VISUAL



SELF GENERATED DOCUMENTATION – SIMPLE, VISUAL



SELF GENERATED DOCUMENTATION – SIMPLE, VISUAL



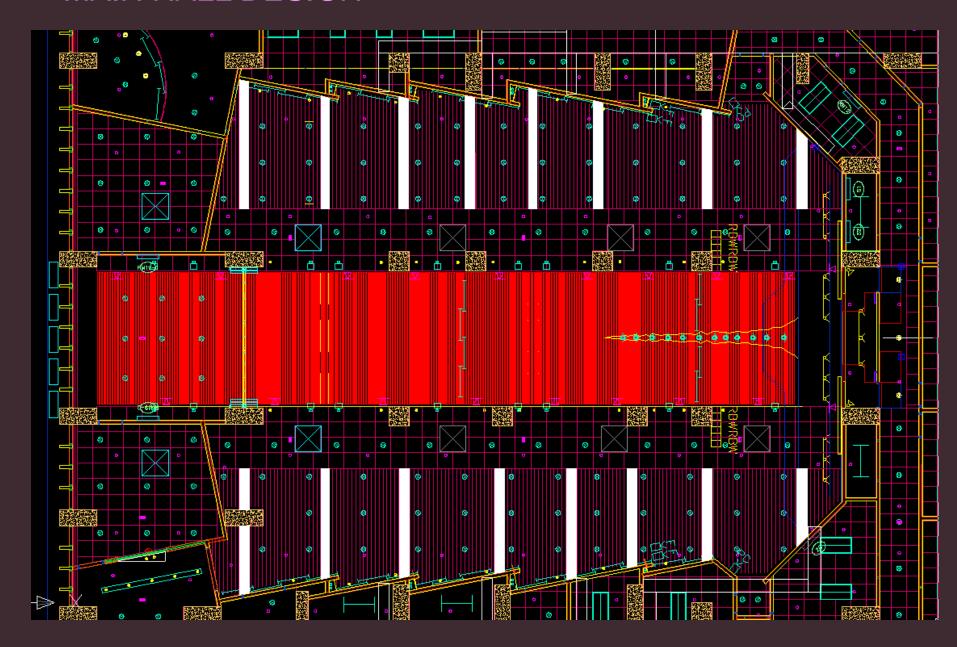




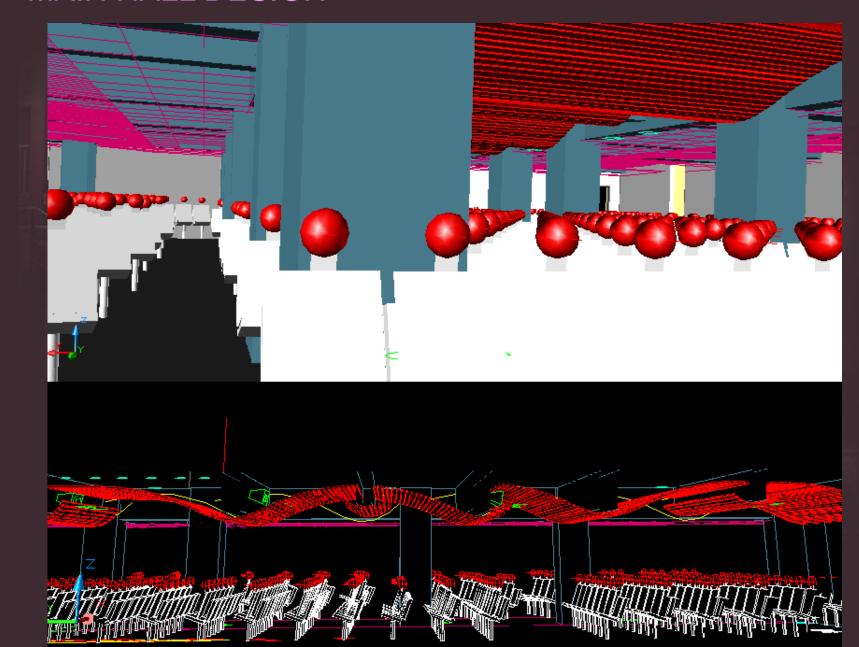




MAIN HALL DESIGN



MAIN HALL DESIGN







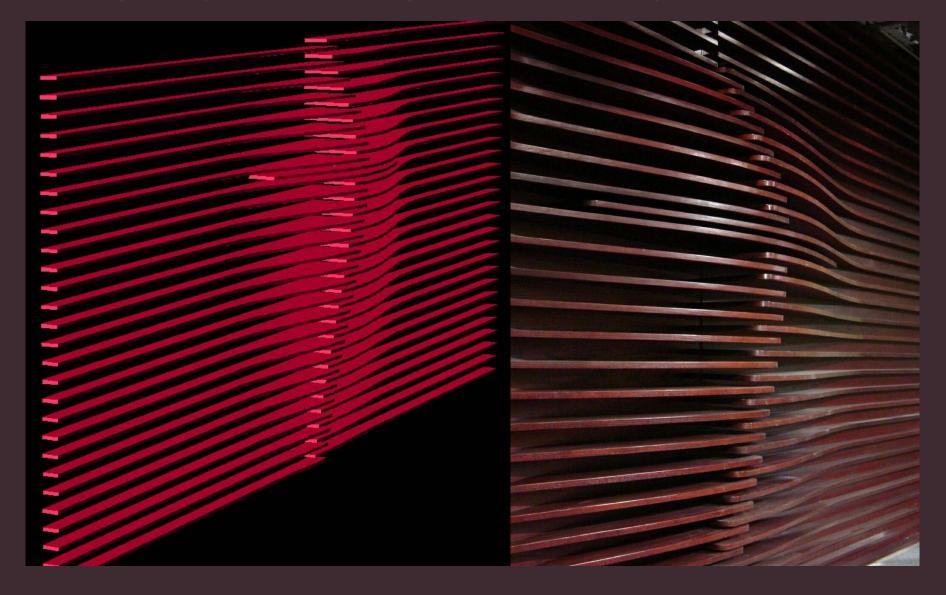




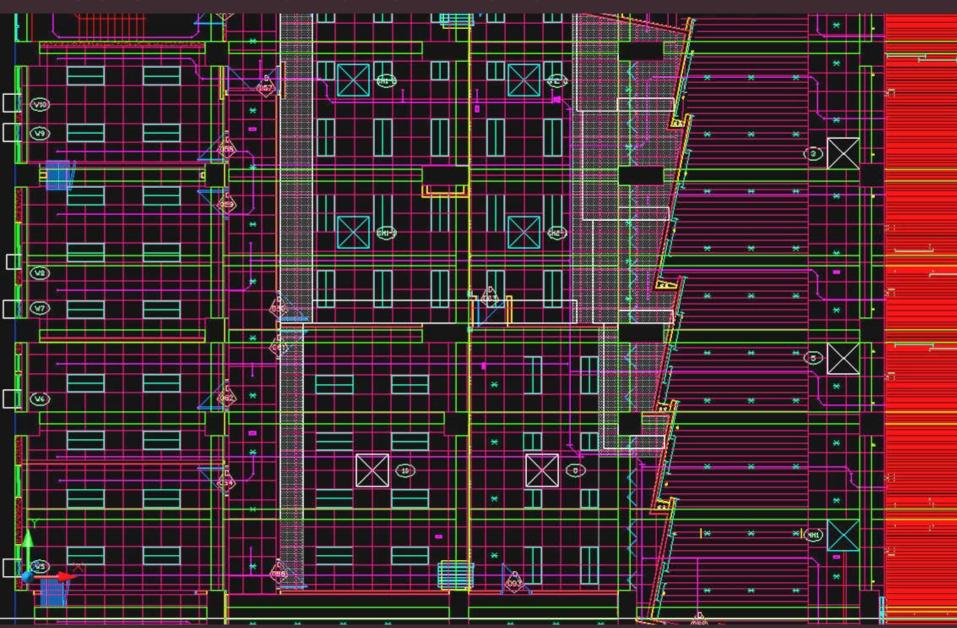
WYSIWYG – What You See Is What You Get



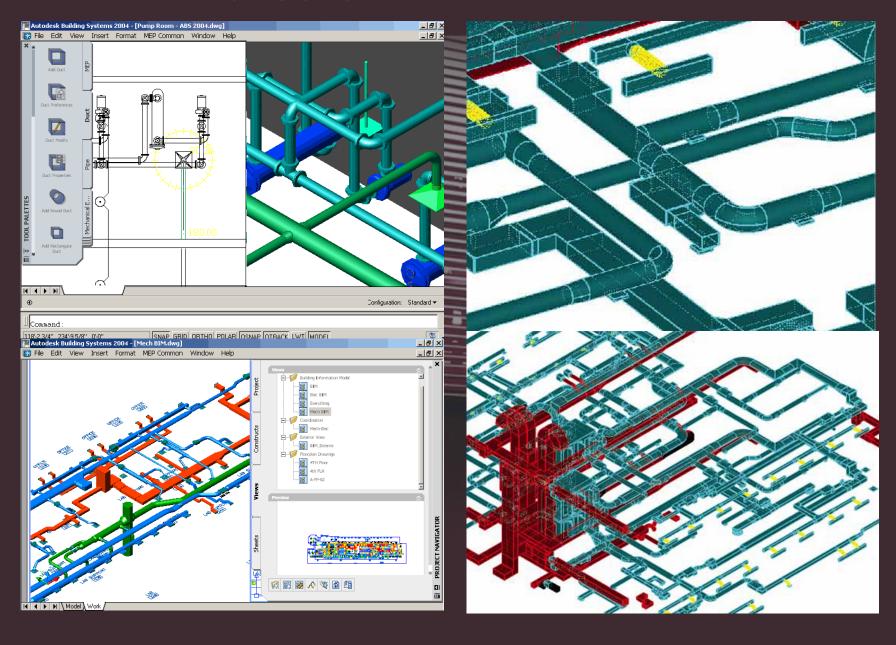
WYSIWYG – What You See Is What You Get



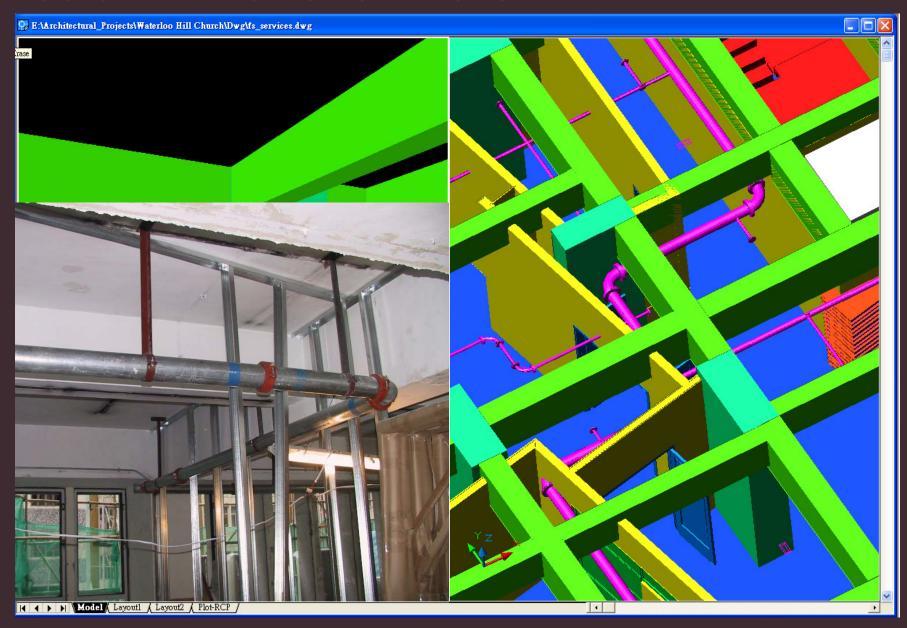
CO-ORDINATION OF SERVICES



LATERAL PRODUCTS

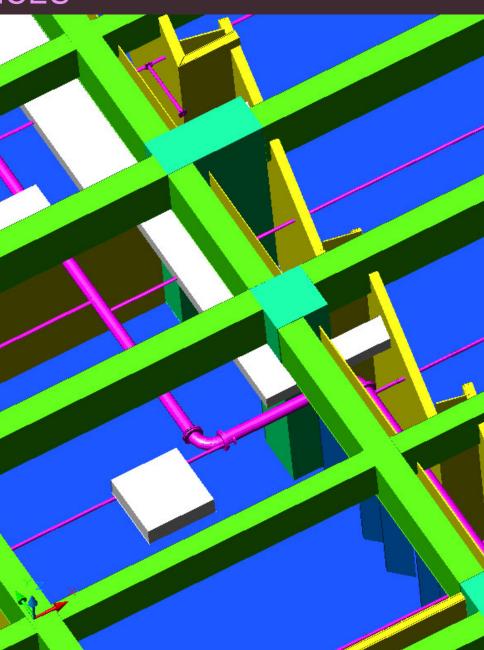


CO-ORDINATION OF SERVICES

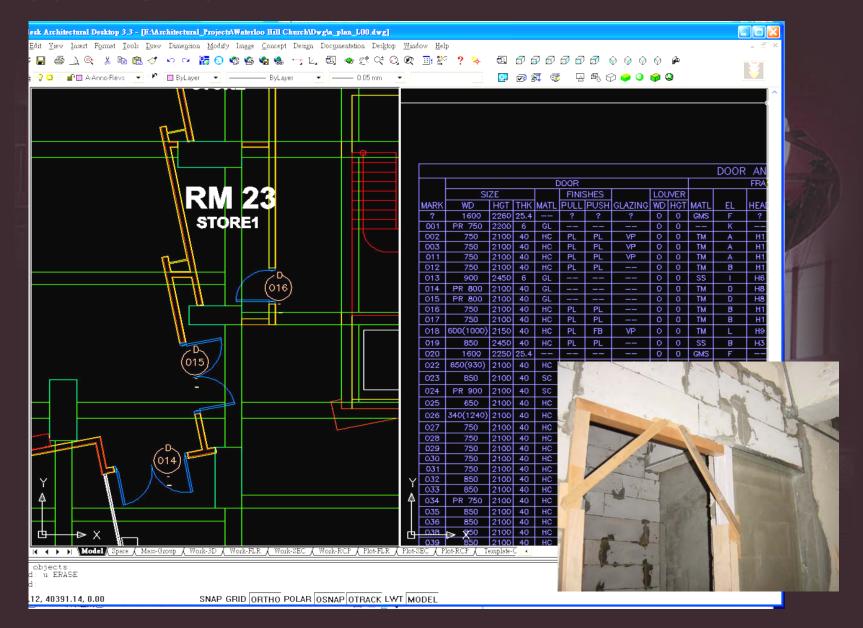


CO-ORDINATION OF SERVICES

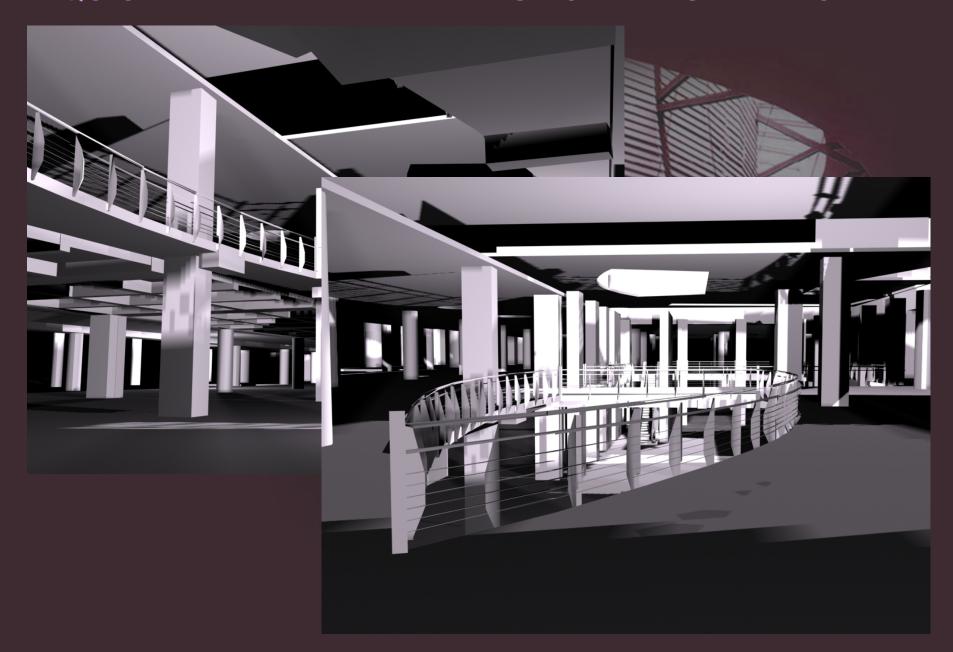




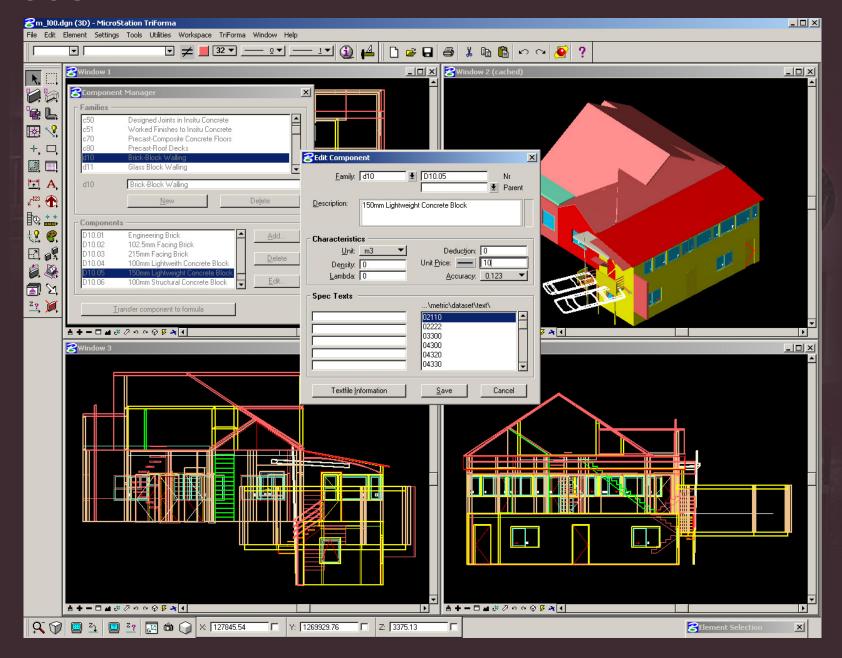
SCHEDULES



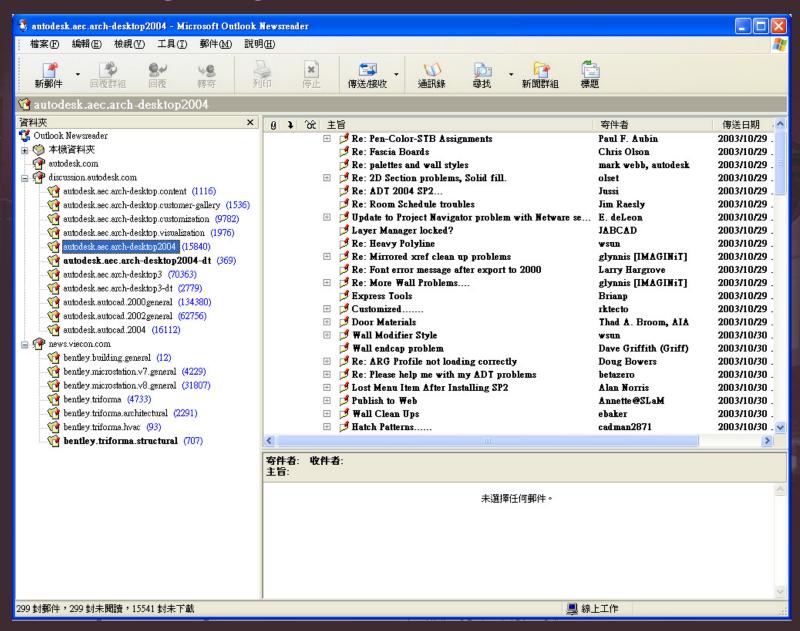
QUICK RENDERED EXAMPLES FOR PRESENTATION



COST



WE ARE NOT ALONE!!!



DEMONSTRATION



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!!!

OBSTACLES in HONG KONG PRACTICE

- CAD = Computer Aided **DESIGN**,

 NOT Computer Aided Drafting
- Heavier Time Investment upfront vs Overall efficiency
- Resistance of downstream Disciplines
- Powerful Software vs Customized Industry Needs

.... End...!!!

