

AIAB Virtual Project

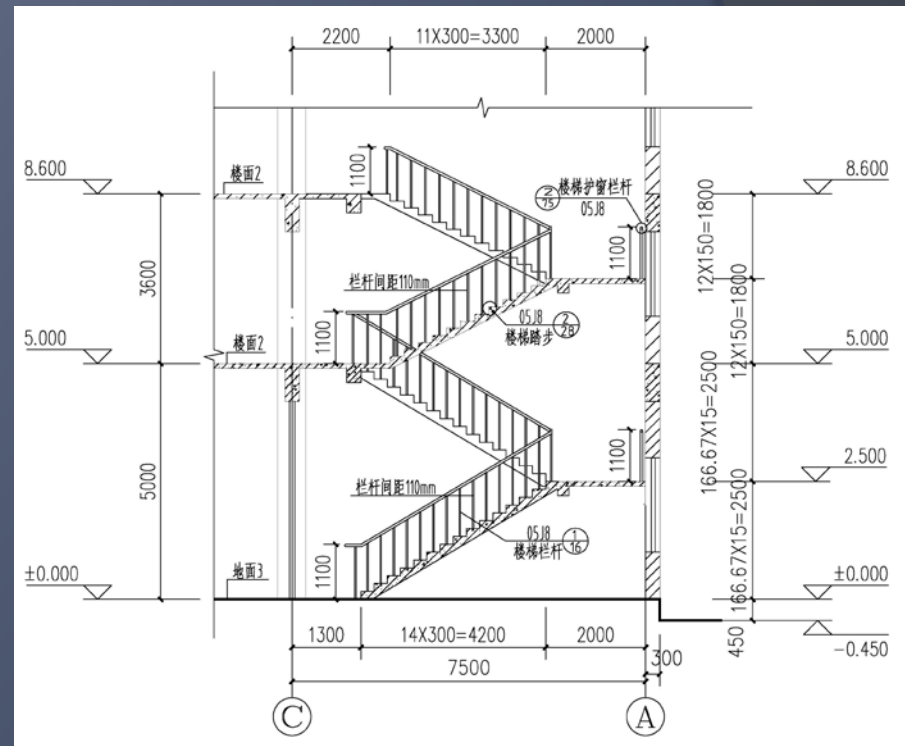
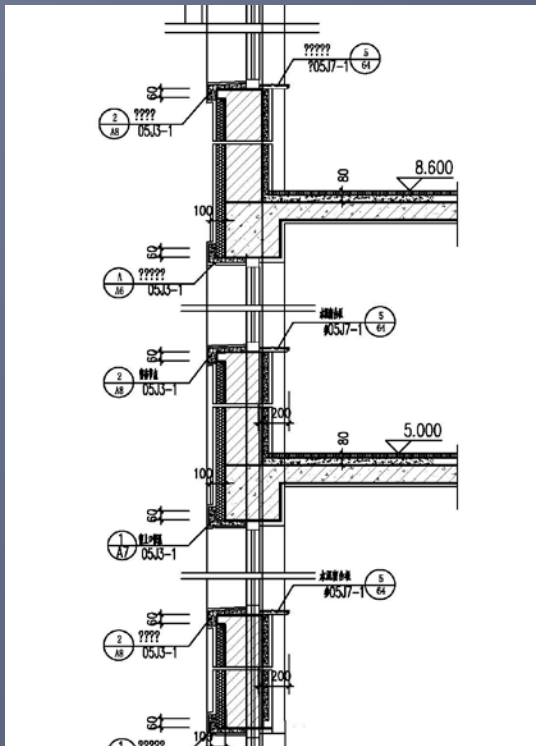
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(Professional Group)

Background information

1. The project is a Secondary School in Mainland China included 3 building blocks:
 - Teaching Block (教學樓);
 - Hostel (宿舍); and
 - Complex Block (綜合樓).
2. Project was already under construction.
3. Approved plans are ready for our reference.

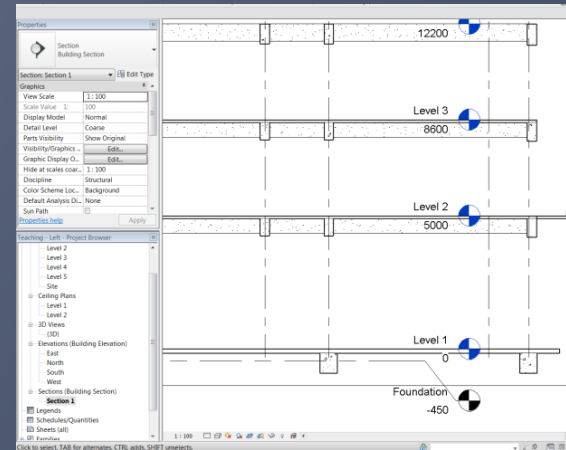
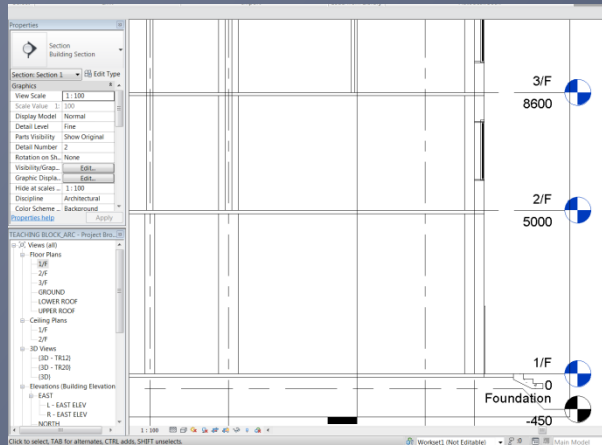
Problems encountered

- Discrepancy of levels between architectural and structural drawings

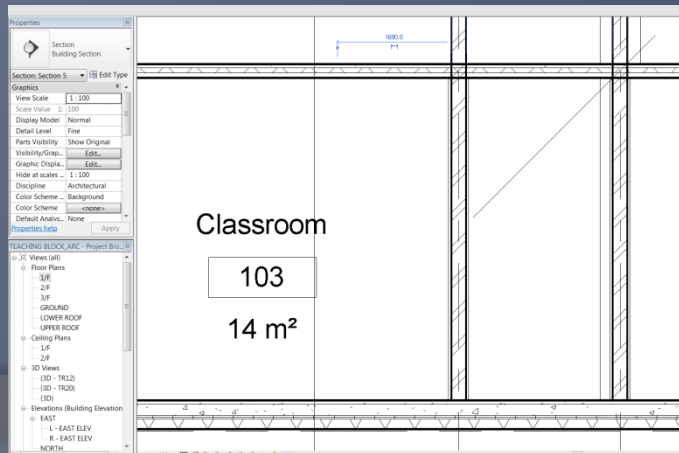


Problems encountered

- Inconsistence for the definition of levels under Revit Architecture and Revit Structure.



- Finishes included in the generic components (e.g. wall)

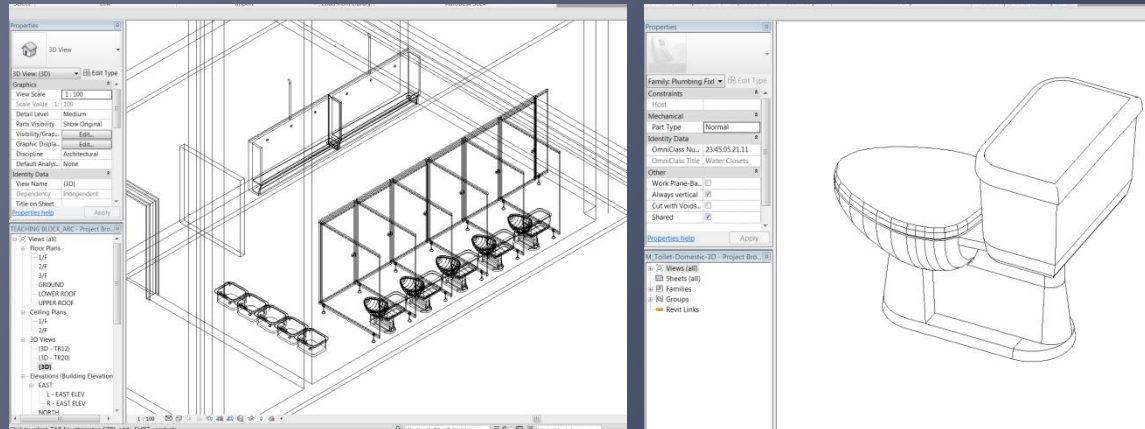


Problems encountered

- **Project setting consideration**
 - **Start from project North or true coordinates**
- **Availability of the architectural model**
 - **Central file concept under BIM**

Problems encountered

- Working with family between different disciplines
 - e.g. a water closet was inserted from Revit Architectural, but found that both the inlet and outlet points for the water closet cannot be recognized by Revit MEP.



- So, insert all the sanitary fittings again by Revit MEP? /
Who should got the final ownership for that items?

Personal feedback

- Balance the level of complexity for the model during the various workstages
 - Necessary to develop the set of family for each company or even for a specific project.
- Working environment
 - AutoCAD (Individual) vs. Revit (Groupwork)

Personal feedback

- Intelligence of the software
 - Speed-up the drawings production time
(... .. for experience users)
 - Improved the accuracy across drawings
(Plans, elevations, section, dimensions, tags etc.)