



ARCH 2330 BUILDING TECH III

DAY .18 AGENDA : Revit – Structural Background Drawings

Introduction & Attendance

- Agenda Overview
- Attendance

Activity 1

- Review of sizing of concrete and steel beams
- Update of Structural Framing Plans
- Add Lightweight concrete slab on metal deck for Level 2
- Select in Elevation – Level 2 columns, girders and slab
- Copy & Paste Aligned to Selected Levels

Activity 2

- Review of development of Structural Background Drawings
 - Review of sample file and drawings list
 - Development of student individual drawings list and backgrounds

Activity 3

- Visit from CMCE students for structural coordination
 - Overview of Revit & the Project
 - Review of background drawing preparation
 - Discussion of roles (ARCH/ENGINEER)
 - Pairing of student teams
 - Discussion of student handoffs
 - Discussion of final presentation

Wrap-Up - Assignments and Deadlines

- Current Assignment(s) & Due Dates –
 - Complete Structural Set (plotted pdf and Revit file for Friday end of day)
- Complete set of structural drawings for engineer handoff
 - S-100 Foundation Plan : GYM, ATRIUM, LAB (1/16"=1'-0")
 - S-100.A, .G, .L Foundation Plan : ATRIUM, GYM, LAB (1/8"=1'-0")
 - S-101 First Floor Framing Plan : GYM, ATRIUM, LAB (1/16"=1'-0")
 - S-100.A, .G, .L First Floor Framing Plan: ATRIUM, GYM, LAB (1/8"=1'-0")
 - S-102.G Second Floor Framing Plan : GYM (1/8"=1'-0")
 - S-201,202 Structural Framing Sections (1/16"=1'-0")

 - S-300 GYM Roof Structural Framing Plan (1/8"=1'-0")
 - S-301-30X GYM Truss Profiles (as needed) (1/8"=1'-0")

(note: Add plan and section details)
- Update Architectural Set of Drawings as needed