CEE 120A — Module 6

Classified Architectural–Structural Clash Report

Method: Autodesk Revit — Interference Check
Models: Module 6 Structural Model vs. Linked Module 5 Architectural Model

Total reported interferences: 778

1. Clash Classification by Architectural Element

Architectural Category	Clash Count
Walls	572
Floors	104
Ceilings	93
Windows	8
Doors	1
Total	**778**

2. Clash Classification by Structural Element

Structural Category	Clash Count

Structural Floors / Slabs	335
Structural Beams	323
Structural Walls	84
Structural Columns	34
Structural Foundations	2
Total	**778**

3. Clash Review and Prioritization

High Priority — 9 reported interferences

- **Doors (1):** Review for possible obstruction of an architectural opening or circulation path.
- **Windows (8):** Check whether structural framing intersects window openings or glazing.

Medium Priority — 93 reported interferences

- **Ceilings (93):** Review structural beam depths and clearances above occupied spaces.

Coordination Review — 676 reported interferences

- **Walls (572):** Determine whether beam, slab, column, and wall intersections represent intended structural connections or unwanted overlaps.
- **Floors (104):** Review structural slab and architectural floor overlaps to distinguish expected assembly coordination from duplicate geometry.

4. Findings and Recommendations

The interference check identified 778 intersections between the architectural and structural models. The largest number involved architectural walls, followed by floors and ceilings.

These counts represent geometric intersections rather than 778 confirmed design errors. Some overlaps may be intentional, especially where structural slabs, beams, and columns connect with architectural assemblies.

The next coordination step is to review the door and window clashes, verify ceiling clearances, and distinguish intentional structural connections from conflicts requiring model changes.

Status: Preliminary clash detection completed. Individual clashes have not all been verified or resolved.