Monday 15th February 2016
Computers Unlimited

The Cube

An exemplar project demonstrating the refinement process, from LOD 100 through to LOD 300, within a single software platform - Overview

Project Introduction
1. Introduction
2. Levels of development – Explanatory diagram
3. Protocols we adhered to – RIBA Plan of works, Pas 1192, suppliers information exchange, Product delivery table
4. Project sharing – collaborative architectural development
5. Design layer organisation aligned with Project sharing – to be able to work on layers in isolation
6. Levels of development for our project

Level of Development 100
7. GF Spaces – Complete by drawing space for stairs
8. Spaces In 3D
9. Spaces report
10. Organisation – story setup
11. Complete

Level of Development 200
12. Drawing external concept walls
13. Selecting wall style
14. Drawing core concept walls
15. Concept walls determined by story organisation so hold correct heights. No component information – general thickness only
16. Classifying objects
17. UniClass 2015
18. Further concept development
19. Section
20. Zoom section: 3rd floor auditorium
21. Early visualisation – utilising render works
22. Utilising intelligent tools – video screen showing coverage zone
23. Populating immediate site with out of the box objects
24. Optioneering: changing class textures
25. Complete

Level of Development 300
26. Replacing, not remodelling, wall styles
27. walls with component information – each component with an accurate height based on story structure
28. Further refinement – core walls

29. Core walls (All concept walls are replaced from LOD 200 to 300)
30. Section, live & dynamic
31. Subdivision modelling - desk
32. Subdivision modelling – edit cage
33. Subdivision modelling – Desk, reception render
34. Open GL views, live an accurate shadows, ambient occlusion
35. Complete

Documentation

36. Highlighting/ isolating key construction elements in 3D
37. BIM model feeds into traditional 2D deliverables. Working drawing, structural plan, structural isometric, textured top plan
38. Ground floor interior elevations
39. Viewport referencing the site to align with architectural model
40. Client presentation – exploded views – live viewports