08

Final Exam

Figure 8.1 Model Perspective 1 (Author 2017)
Visualization 2

Figure 8.2 Visualization 2 (Author 2017)
Figure 8.3 Display (Author 2017)
Figure 8.4 Debate (Author 2017)
Figure 8.5 Spectate (Author 2017)

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Visualization 3
Visualization 4

Figure 8.6 Visualization 3 (Author 2017)
Figure 8.7 Visualization 4 (Author 2017)
Figure 8.10 Level 3 (Author 2017)
Visualization 5

Figure 8.11 Visualization 5 (Author 2017)
Figure 8.12 Display 3D (Author 2017)
203×203×10 mm parallel flange H-column

M12 bolts cast into concrete slab to guide positioning of columns and continue the line of stress

203×203×10 mm steel flat welded to base of H-column with 60×10 mm vertical steel flat支撑 welded to underside and welded to base of 305×205×10 mm steel flat

255×255×10 mm steel flat base plate cast into 225 mm concrete floor/Slab to act as a base for column footings

60×170×54 parallel flange I-section bolted to steel plate with M12 bolts into concrete

M12 bolts connecting 60×170×54 parallel flange I-section to 203×203×10 mm steel flat welded to top of 305×205×10 mm parallel flange H-column
Figure 8.13 Debate 3D (Author 2017)
Figure 8.14 Spectate 3D (Author 2017)
Aluminium sheet cap to form top of handrail for balustrade pop riveted to 50x50x3mm square hollow section.

Machine bored Aluminium sheet 1200 mm handrail with 30 mm diameter holes supported by 50x50x2.5mm square hollow section

subframe with ventilations at approx. 1250mm centres.

IPE 200 cut as indicated

150x50x20x2.0mm cold formed folded channel joints fixed to IPE 200 at 400mm centres.

50mm thick plastered ceiling, painted with Pce and supported between steel floor joists with 0.8mm galvanised bracing at approx. 900mm centres.

144x22mm Heartwood timber floor laid on top of and screwed to 150x50x20x2.0mm cold formed folded channel.
Visualization 6

Figure 8.15 Visualization 6 (Author 2017)
Figure 8.16 Visualization 7 (Author 2017)
Visualization 7
Figure 8.18 Detail Sets 1 & 2
(Author 2017)

DT 1 Protest route roof junction to existing
Scale 1:10

DT 2 Junction through existing
Scale 1:10

DT 3 Column junction to slab
Scale 1:10

DT 4 Slab connection to existing
Scale 1:10

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Figure 8.20 Elevations (Author 2017)
Figure 8.21 (Above) Model Perspective 2 (Author 2017)
Figure 8.22 (Below) Model Perspective 3 (Author 2017)
Figure 8.23 (Right) Model Perspective 4 (Author 2017)
Figure 8.27 Model Perspective 8
(Author 2017)