INDEX

ArchiCAD, 6–7, 9, 53, 60, 84 assistant quantity surveyor, 126–27

barriers, 57, 67 bentley, 23, 53, 60, 84 bills of quantities, 126, 131 BIM. See building information modelling building information modelling, 36 coordinator, 101, 118-19 execution plan, 23, 25, 94, 96 implementation, 82, 94 manager, 101, 109, 113, 115, 118 model, 5, 6, 8, 12, 36, 53-54, 76, 100 3D, 814D BIM, 52–54, 60 5D BIM, 129–30

clash detection, 39, 56, 83 collaboration, 8, 26, 39, 83 construction management, 6, 8, 129 coordination, 81, 83, 88, 98, 103 cost estimating, 6, 130 cubicost, 130, 134

data exchange, 7–9, 130 design changes, 76, 78–80, 82 design process, 82 design for safety, 53, 61 DfS. *See* design for safety digital data exchange, 104, 120– 21

heritage building information modelling, 37–39, 41–42 HBIM. *See* heritage building information modelling HKIS BIM contract conditions, 104, 111–21

industry foundation classes, 9 information sharing, 76 integration, 81, 54 interoperability, 9–11, 40, 84

level of development, 98

object-oriented, 53

parametric modelling, 130

quantity surveyor, 125, 127–28 quantity take-off, 134, 130

safety management, 52 Singapore BIM particular conditions, 95, 104, 113–15, 117 - 21

tekla, 53, 60

value engineering, 80, 130 visualisation, 53–56