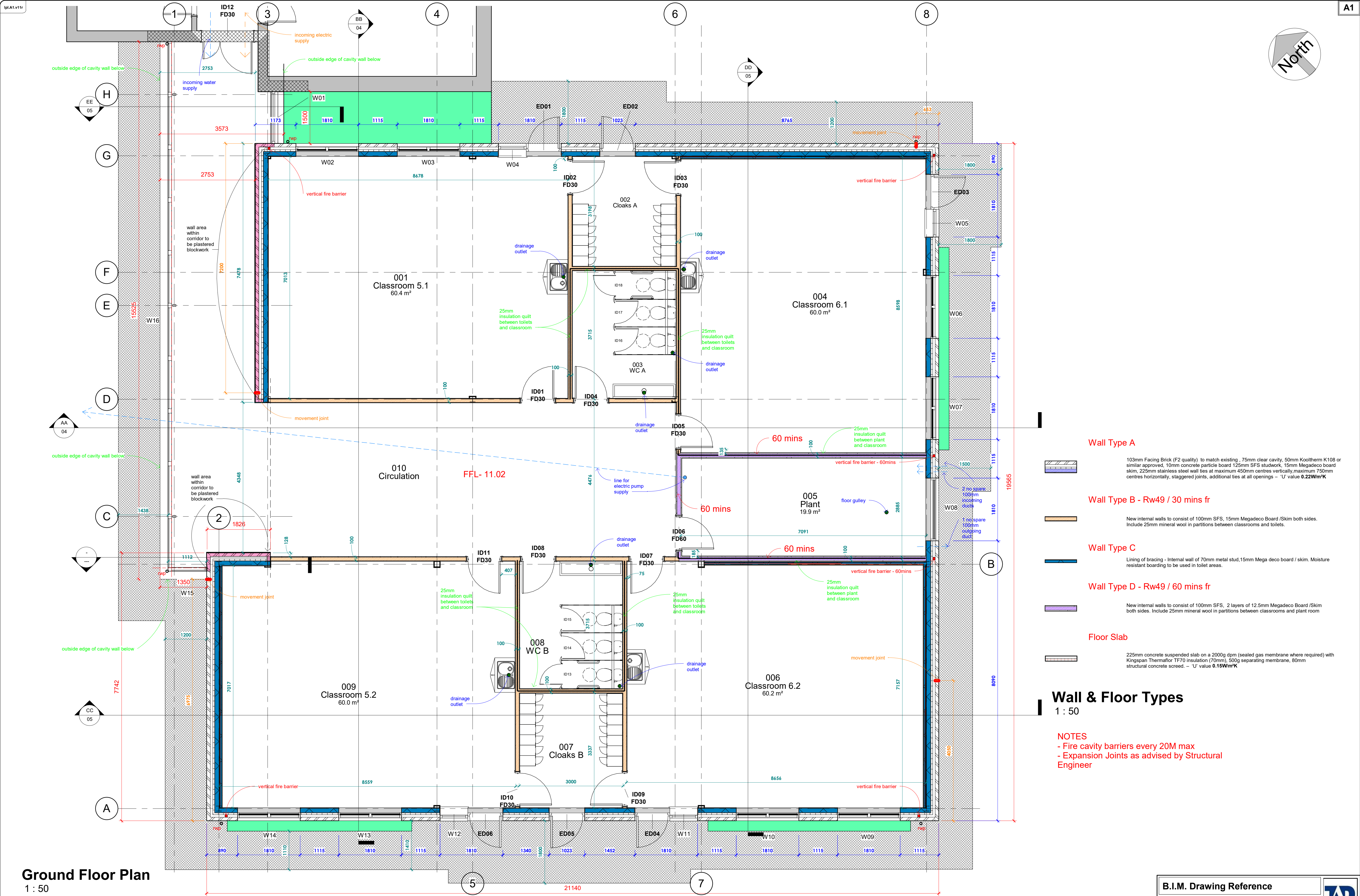




Ground Floor Plan
1 : 50

- Wall Type A**
- 103mm Facing Brick (F2 quality) to match existing, 75mm clear cavity, 50mm Kooltherm K108 or similar approved, 10mm concrete particle board 125mm SFS studwork, 15mm Megadeco board skim, 225mm stainless steel wall ties at maximum 450mm centres vertically maximum 750mm centres horizontally, staggered joints, additional ties at all openings – 'U' value **0.22W/m²K**
- Wall Type B - Rw49 / 30 mins fr**
- New internal walls to consist of 100mm SFS, 15mm Megadeco Board / Skim both sides. Include 25mm mineral wool in partitions between classrooms and toilets.
- Wall Type C**
- Lining of bracing - Internal wall of 70mm metal stud, 15mm Mega deco board / skim. Moisture resistant boarding to be used in toilet areas.
- Wall Type D - Rw49 / 60 mins fr**
- New internal walls to consist of 100mm SFS, 2 layers of 12.5mm Megadeco Board / Skim both sides. Include 25mm mineral wool in partitions between classrooms and plant room
- Floor Slab**
- 225mm concrete suspended slab on a 2000g dpm (sealed gas membrane where required) with Kingspan Thermaflor TF70 insulation (70mm), 500g separating membrane, 80mm structural concrete screed. – 'U' value **0.15W/m²K**

Wall & Floor Types
1 : 50

NOTES
- Fire cavity barriers every 20M max
- Expansion Joints as advised by Structural Engineer