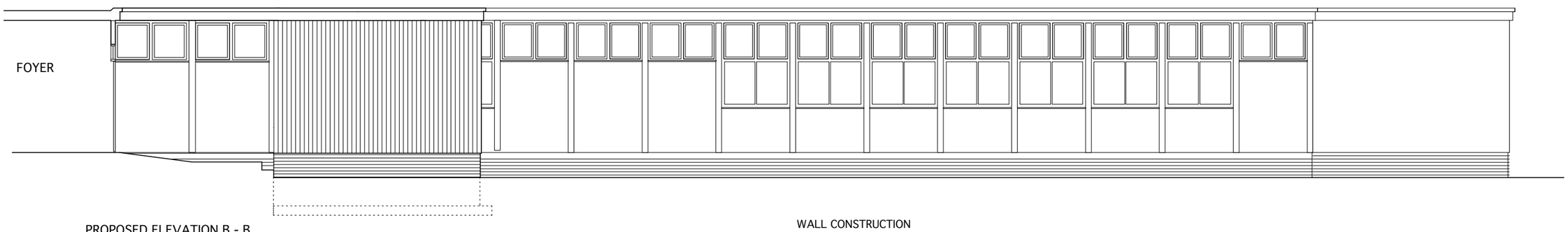
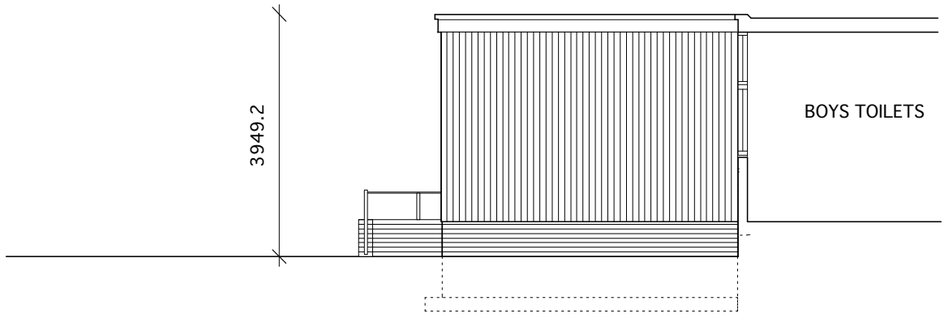


PROPOSED ELEVATION A - A



PROPOSED ELEVATION B - B



PROPOSED ELEVATION C - C

WALL CONSTRUCTION
new walls to be constructed using 100 x 50 softwood treated studs at 400mm spacing sat onto 100 x 50 softwood sole plate bolted into new cavity wall
external face to be treated timber panelling to match existing onto 50 x 25 treated battens onto breather membrane on 12 wbp plywood fixed to timber frame.
100 thick celotex FR5000 set within framework with 37.5 thick celotex insulated plasterboard to inner face of framework min 'U' value 0.3w/m2k
walls up to floor level to be in cavity wall construction with facing bricks used where exposed, 100mm cavity filled up to dpc level with weak mix concrete. dpc min 150 above external ground level.
walls built off concrete strip foundation min 600mm wide x 225mm thick set at a minimum depth of 900mm below ground level. subject to ground conditions and approval by building inspector

ROOF CONSTRUCTION
3no layer built up roofing felt onto18mm thick marine plywood sat onto 50 x 25 battens sat onto 100 x 50 timber joists at 400mm spacing (laid to 5 degree fall).
50 air gap between plywood and insulation to allow cross ventilation. 120mm thick celotex FR5000 between joists with 37.5mm thick celotex PL4000 insulated plasterboard on 38 x 20 treated cross battens to roof joists.
min'U' value of 0.2wm2k.
roof joists sat onto new intermediate beams to structural engineers design
roof to be laid to fall back towards existing roof with surface water collected within lead lined valley gutter before discharging into existing rain water pipe

client

project
HIGHER OPENSHAW
COMMUNITY SCHOOL

drawing
PROPOSED ELEVATIONS

drawing no SPK/M11/005
scale 1:100
date JUNE 2012
drawn WILL

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