# O'REILLY
## —concrete—

# Twin Walls



50 mm concrete screed installed in accordance with manufacturers specification. Floor finish as per finishes schedule.

5 mm Yelofan acoustic layer laid directly on top of floor slab. Acoustic layer to be turned up face of internal leaf. System to be installed in accordance with manufacturers specification & instructions.

20mm Insulation

Precast concrete slab; refer to Structural Engineers drawings & specification for further information. All joints to be filled with lean mix concrete. (Orientation of slab as per Structural Engineers drawings).

2 Nr layers of 15 mm Knauf Performance Plus plasterboard, taped & jointed. Board to be screwed to underside of Z/Bars or structural deck/fixing channels with all abutments / joints sealed with mastic.

50x50mm Galv angle fixed back to Knauf z-bar to offer fixing to plasterboard

Steel Beam - Please refer to Structural Engineers Drawings. Please refer to Steel Fire Paint Drawings to show locations of beams which are painted and those which are not painted where fire protection to steel is provided via boarding encasement.

50 mm Knauf Earthwool Flexible Slab or Contractor's Choice insulation fixed into web of steel beam. Insulation to be installed in accordance with manufacturers specification & instructions.

50 x 50 mm treated timber noggins at 400 mm centres recessed into flange of steel beam.

15 mm intumescent and acoustic mastic applied to top of plasterboard sheet prior to being offered up to underside of board above. Mastic to fill gaps and stop sound transmission.

Metal stud deep flange U channel fixed to underside of steel beam & packers as per manufacturers specification & instructions. 15 mm head deflection detail as detailed by manufacturer.

70mm Metal 'C' stud steel section installed in accordance with manufacturers specification & instructions; refer to Internal Wall Type Plan for type of stud. NOTE - Wall Type is a Twin-Stud Wall.

2No. layers of 15 mm Knauf Soundshield Plus or Contractor's Choice plasterboard, taped & jointed for seamless finish, one coat Knauf Wallboard Primer or Contractor's Choice applied after tapping & jointing, paint finish as specification. Board to be installed in accordance with manufacturers specification & instructions.
NOTE: Above specification to be read in conjunction with Internal Wall Type Plan to determine wall build-up.

25 mm Knauf Earthwool Acoustic Roll or Contractor's Choice insulation within stud cavity.
NOTE: Above specification to be read in conjunction with Internal Wall Type Plan to determine wall build-up.

Intumescent mastic applied between fillet boards and underside of steel beam; system to be installed in accordance with manufacturers specification & instructions.

Fillets boards between underside of steel beam and head of wall forming minimum 15mm deflection head; system to be installed in accordance with manufacturers specification & instructions.

Steel beam - Please refer to Structural Engineers drawings and specification.

Knauf Deep flange U-Channel

Knauf flat plate fitted in accordance with manufacturers standard details

15mm deflection gaps to top of wall boarding, from stud to head track & between bottom flange of head track and flat plate, all in accordance with manufacturers standard details.