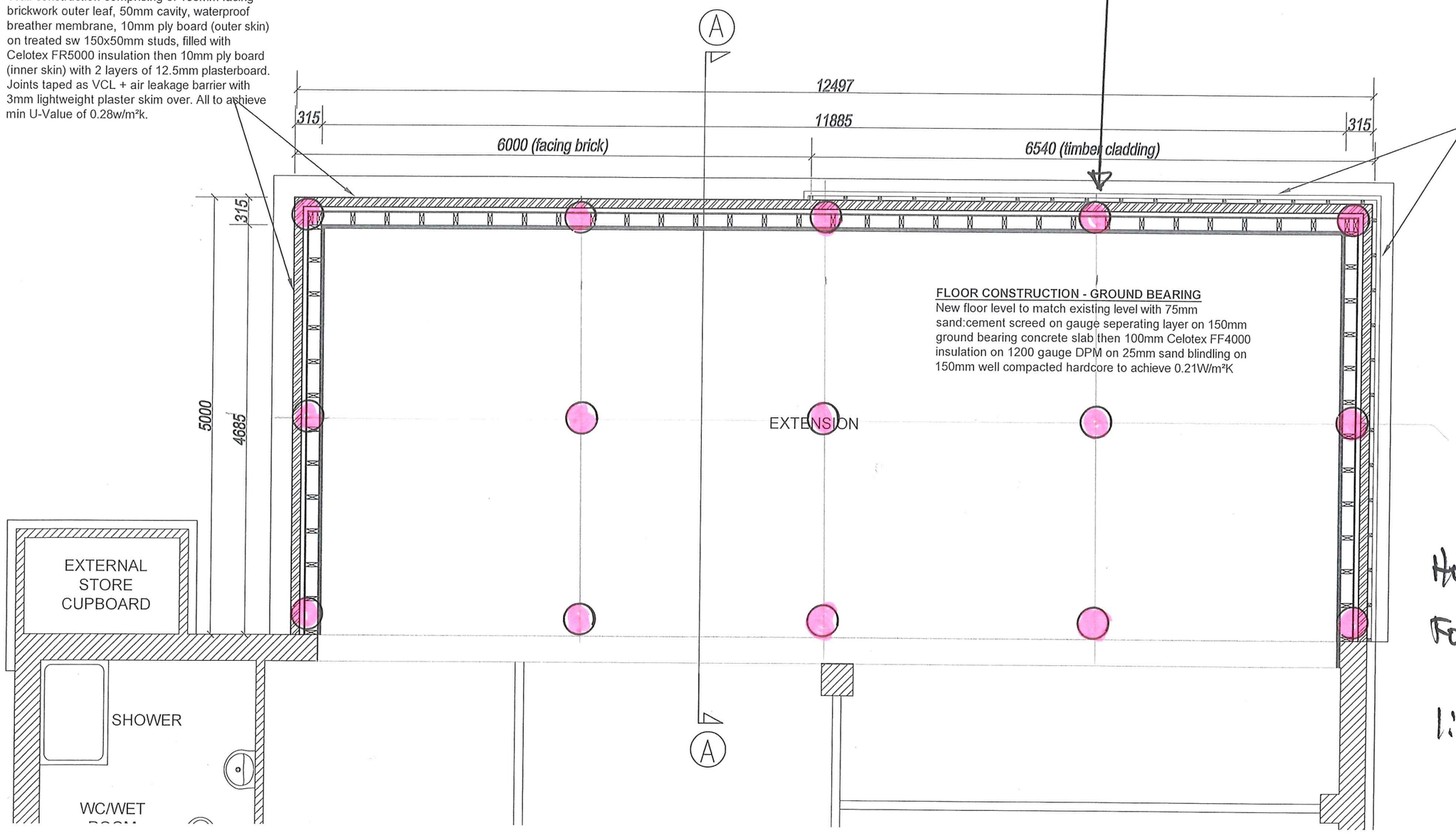
MULTIPLE GROUND SCREWS INSTALLED AT SPACING TO SUIT TIMBER LOADS AS A SUPPLIED TIMBER JOINT AND INSTALLED (150x50@400% CTR) ALL BY SPECIALIST

WALL CONSTRUCTION
Wall construction comprising of 105mm facing brickwork outer leaf, 50mm cavity, waterproof breather membrane, 10mm ply board (outer skin) on treated sw 150x50mm studs, filled with Celotex FR5000 insulation then 10mm ply board (inner skin) with 2 layers of 12.5mm plasterboard. Joints taped as VCL + air leakage barrier with 3mm lightweight plaster skim over. All to achieve min U-Value of 0.28w/m²k.



FLOOR CONSTRUCTION - GROUND BEARING
New floor level to match existing level with 75mm sand:cement screed on gauge seperating layer on 150mm ground bearing concrete slab then 100mm Celotex FF4000 insulation on 1200 gauge DPM on 25mm sand blindling on 150mm well compacted hardcore to achieve 0.21W/m²K

TIMBER CLADDING
Horizontal timber weather boarding on 38x50mm vertical sw treated battens fixed to brickwork single skin wall on timber frame innerskin. Weather boards to have a min. of 30mm ventilation gap behind the boards and 10mm continuous gap at top and bottom for full circulation.

DPC
Provide and fix all necessary horizontal and vertical dp to all new external door and window frames. When closing cavity wall around external door and window openings provide ROCKWOOL Rockclose insulated d to prevent cold bridging Build in horizontal dpc into wa min. 150mm above finished ground level. New dpc to l lapped with existing dpc and dpm to lap with new and existing dpc Build in vertical dpc into wall between junction of new and existing wall.

FOUNDATIONS
Concrete trench fill foundations to be min. 450mm wid and min. 1000mm below ground level and taken down firm load bearing strata. Concrete mix to be GEN1 usi sulphate resistant cement. All foundations to be taken down to invert of any adjacent drains. Care should be taken in respect of the depth of foundation conflicting with drainage invert levels on site.

HORSHAM BOXING CLUB
FOUNDATION SCHEME B'

1:50 @ A3