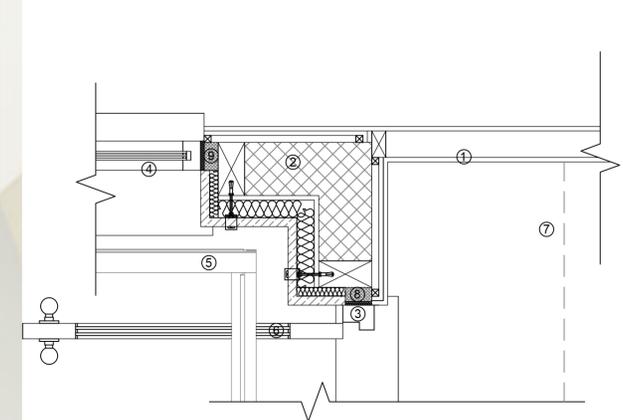


### Door and Window Jamb detail

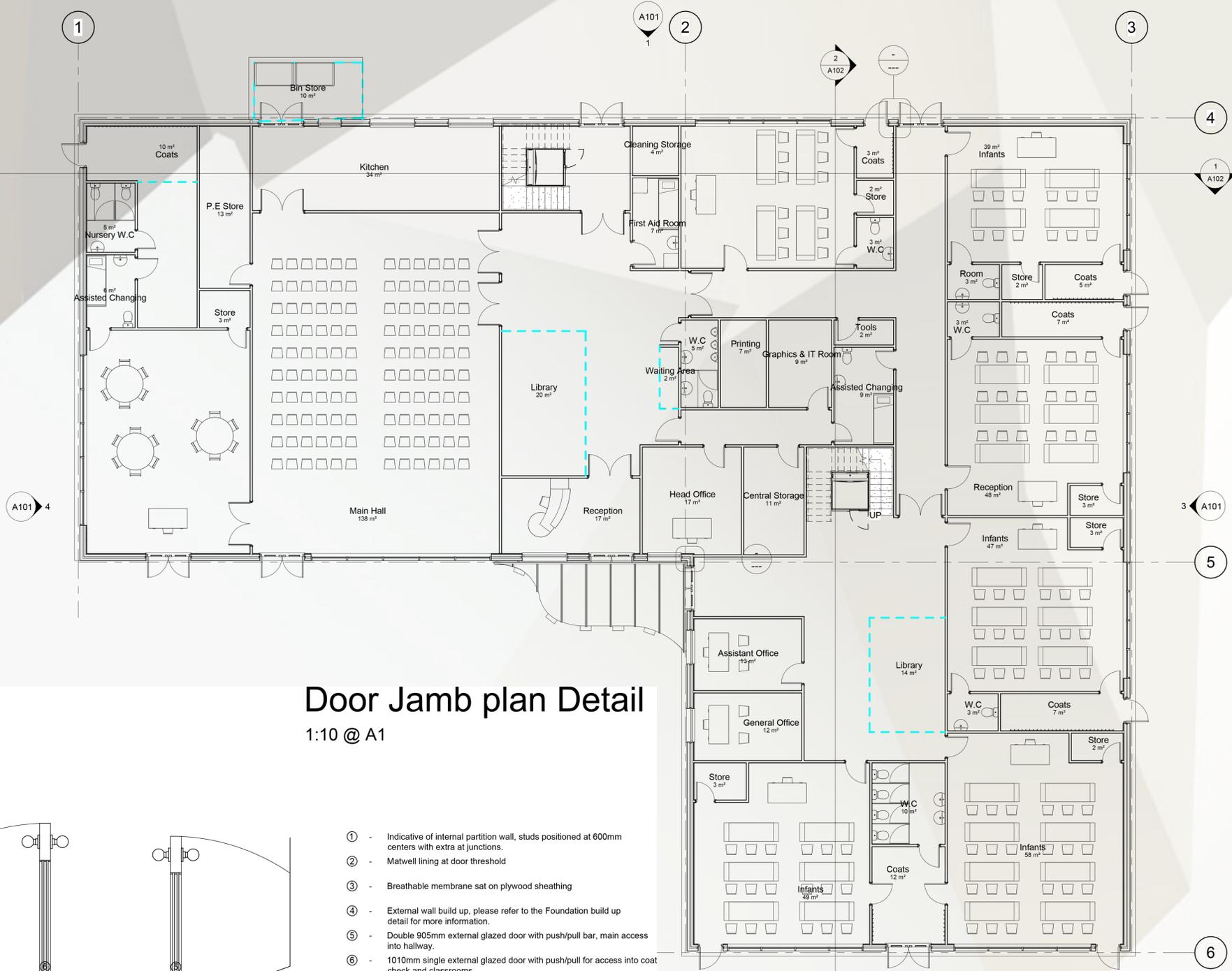
1:10 @ A1



- ① - Indicative of internal partition wall, studs positioned at 600mm centers with extra at junctions.
- ② - Indicative of external wall build up, please refer to foundation detail for more information
- ③ - Door framing with a flexible seal and timber stud at the end.
- ④ - Technal MX Curtain Walling system, <https://mbs.fyfeKlueE>
- ⑤ - Indicative of proposed glass canopy, refer to elevations and 3D visuals for more information.
- ⑥ - Double 905mm external glazed door for access into hallway.
- ⑦ - Matwell lining at door threshold
- ⑧ - Kingspan Kooltherm Cavity closer <https://www.kingspan.com/global/products/insulation-boards/insulated-cavity-closers/kooltherm-cavity-closer>
- ⑨ - Timber packing for window jamb

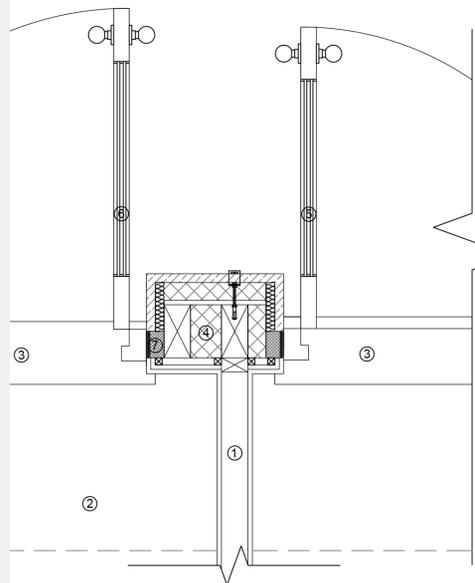
1:500 - Site Plan as Proposed and Renders

# 1:100 - Ground Floor Plan



## Door Jamb plan Detail

1:10 @ A1



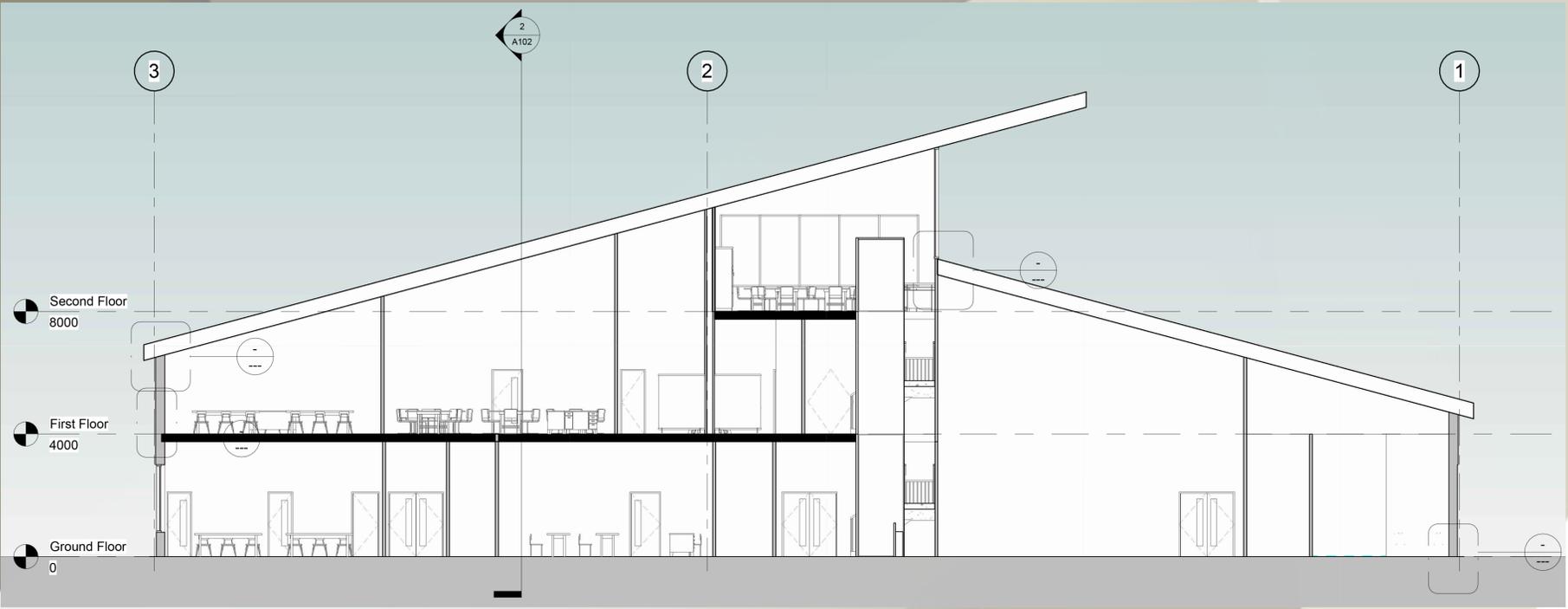
- ① - Indicative of internal partition wall, studs positioned at 600mm centers with extra at junctions.
- ② - Matwell lining at door threshold
- ③ - Breathable membrane sat on plywood sheathing
- ④ - External wall build up, please refer to the Foundation build up detail for more information.
- ⑤ - Double 905mm external glazed door with push/pull bar, main access into hallway.
- ⑥ - 1010mm single external glazed door with push/pull for access into coat check and classrooms
- ⑦ - Kingspan Kooltherm Cavity closer  
<https://www.kingspan.com/en-gb/products/insulation-boards/insulated-cavity-closers/kooltherm-cavity-closer>



# 1:200 - First Floor Plan



# 1:200 - Second Floor Plan

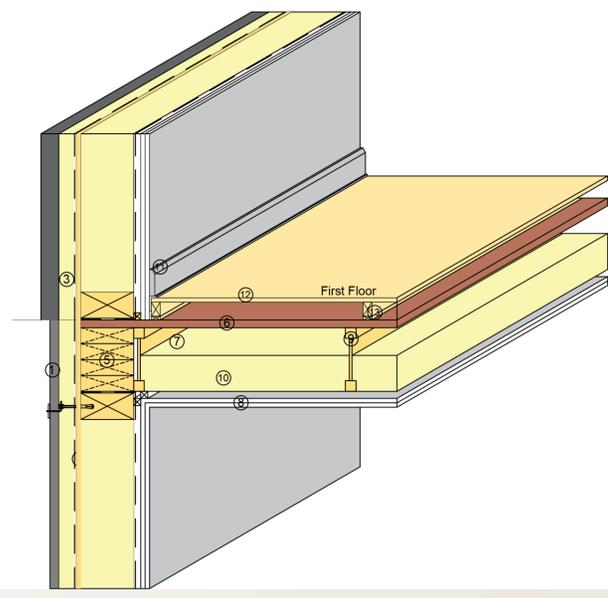


1:100 - Section 1 - Through Stairwell Facing South

## Intermediate Floor Detail

1:10 @ A1

- ① - Natural Stone Cladding rainscreen (Material to be specified) <https://nbs.fyi/4WYGg0>
- ② - 75mm Timber studwork spaced @ 600mm centers with Kingspan loose fill insulation in between studs
- ③ - 50mm Air void gap, with wall ties spaced at regular intervals
- ④ - 15mm OSB board tied into studwork, with a breathable membrane screwed on externally
- ⑤ - Three solid timber columns to joist ends, with a solid block in between Joists. Joists positioned @600mm centres.
- ⑥ - 22mm OSB Particle Board
- ⑦ - Timber Joist Strutting, joist strutting spaced @600mm.
- ⑧ - Two layers of 12.5mm Fireline Gypsum wall board. Lapped into ceiling with a 20mm Service Void.
- ⑨ - Joist ends spaced at 600mm between the strutting.
- ⑩ - 100mm Loose fill insulation fitted at the bottom of the joist.
- ⑪ - Skirting board with 10mm gap for Resilient strip to lap through floating floor system
- ⑫ - MDF board, Engineered wood flooring finish to go on top.
- ⑬ - Resilient Strips Positioned at 600mm centres

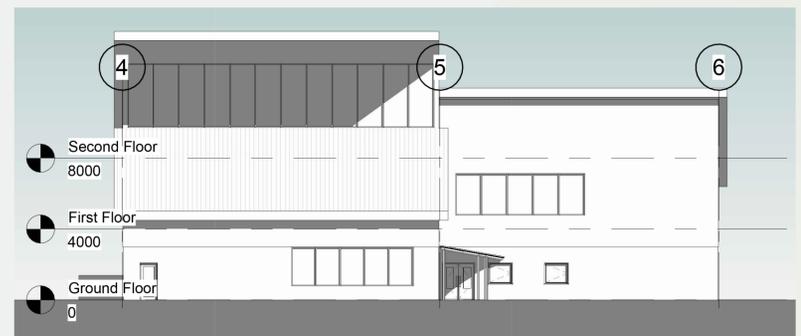
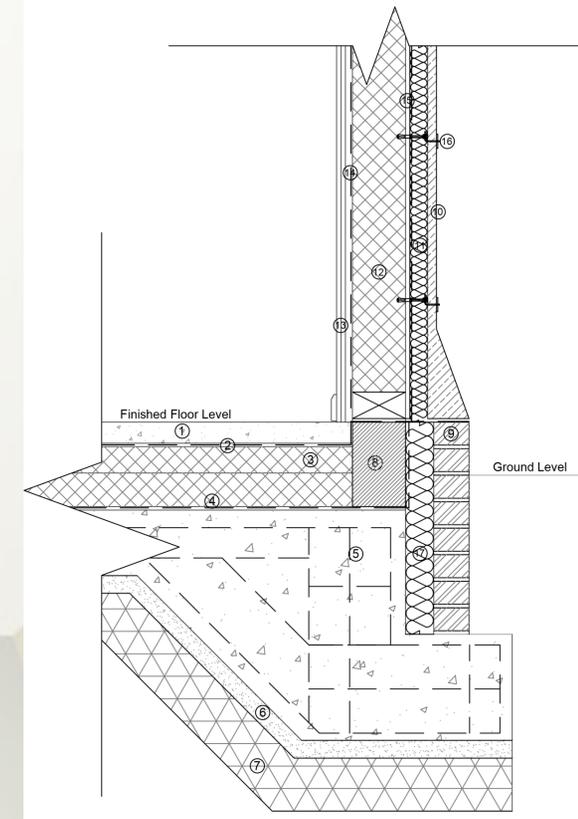


1:100 - Section 2 - Through Reception Facing East

## Foundation Detail

1:10 @ A1

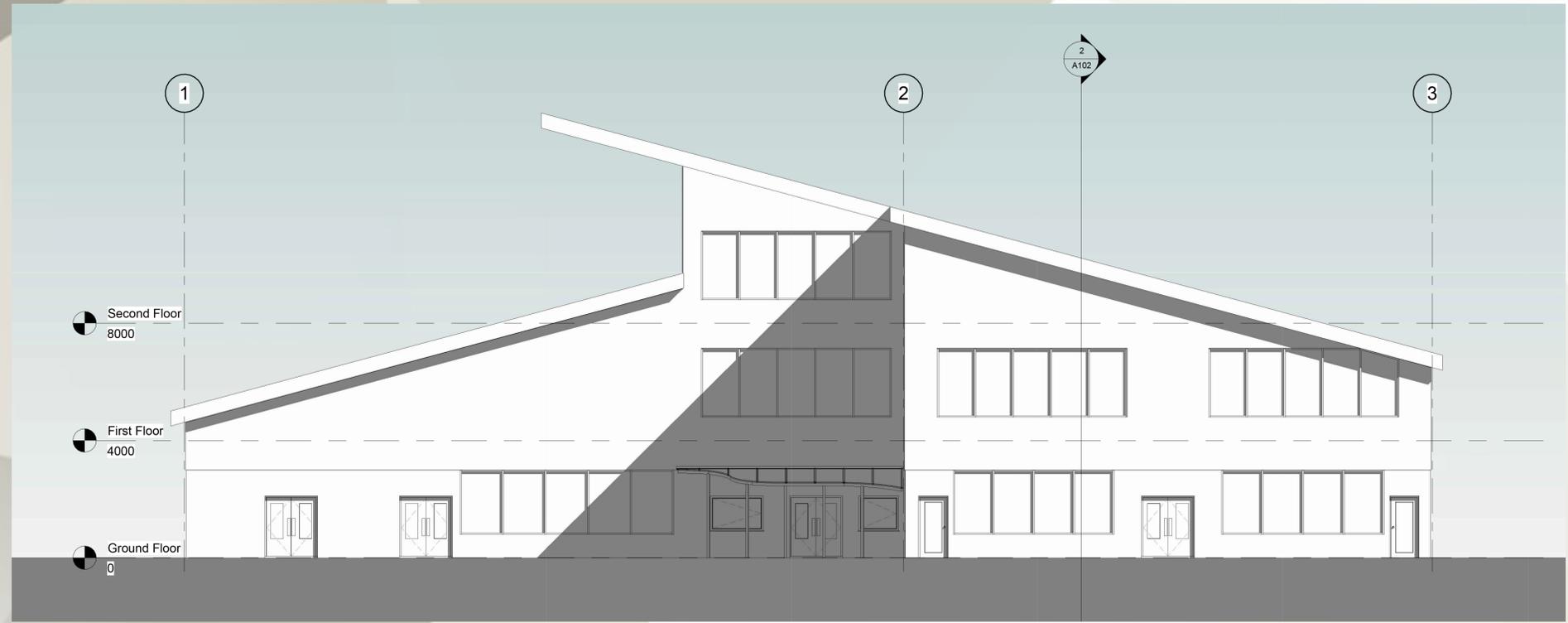
- ① - 60mm Sand/cement screed
- ② - Separation layer between screed and insulation
- ③ - Two layers of 75mm rigid floor insulation
- ④ - Visqueen T30 Damp proof course between foundation and insulation
- ⑤ - Concrete raft foundation 195mm deep in middle and 395mm deep at toe end, with shoe 450mm below ground level. steel reinforcement bars at regular intervals throughout
- ⑥ - 50mm compacted dense sand
- ⑦ - 150mm compacted hardcore (type 1 limestone) substrate
- ⑧ - Mammoth Thermoblock Load bearing insulated block, sat on foundation up to 150mm above ground level for wall plate to sit on. <https://nbs.fyi/OAaA8w>
- ⑨ - Class B engineering bricks 450mm below ground level, down to foundation.
- ⑩ - Alter Ego Limestone Natural Stone Cladding rainscreen system <https://nbs.fyi/4WYGg0>
- ⑪ - 50mm insulation tied back to OSB board with wall ties.
- ⑫ - 150mm Hemsec SIPS (Structurally insulated panels)
- ⑬ - 2 layers of 12.5mm fireline grade Gypsum wall boarding tied back to studs with a 20mm air gap for services
- ⑭ - VCL (Vapour control layer) tied into the internal side of timber studwork
- ⑮ - 15mm OSB board tied into studwork, with a breathable membrane screwed on externally
- ⑯ - Ancon 2000/A wall tie restraint for stone cladding. <https://www.ancon.co.uk/products/wall-ties-restraint-fixings/restraints-for-stone-cladding>
- ⑰ - 80mm Kingspan Green Guard rigid Styrofoam for below ground insulation. <https://www.kingspan.com/gb/en-gb/products/insulation-boards/insulation-boards/kingspan-green-guard>



1:200 - West Elevation



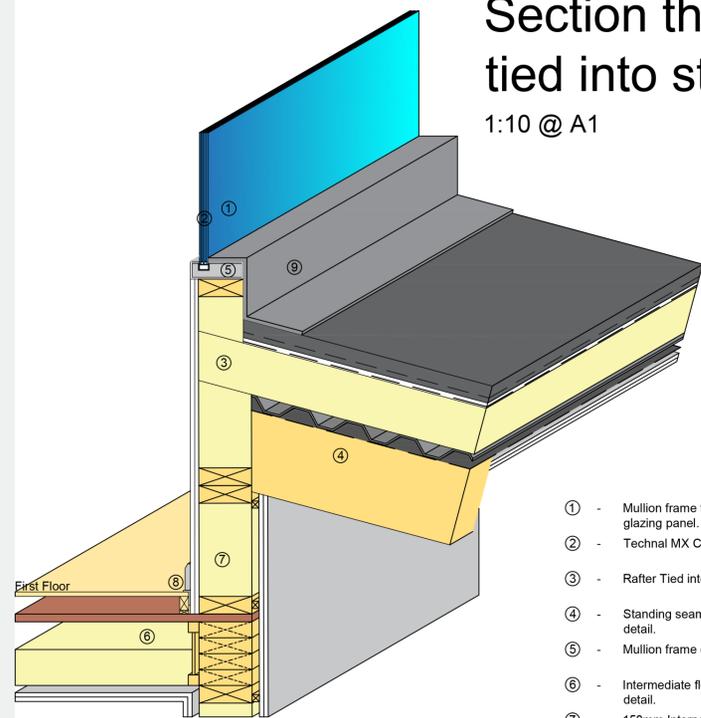
1:200 - East Elevation



1:100 - North Elevation

### Section through curtain wall, tied into standing seam roof

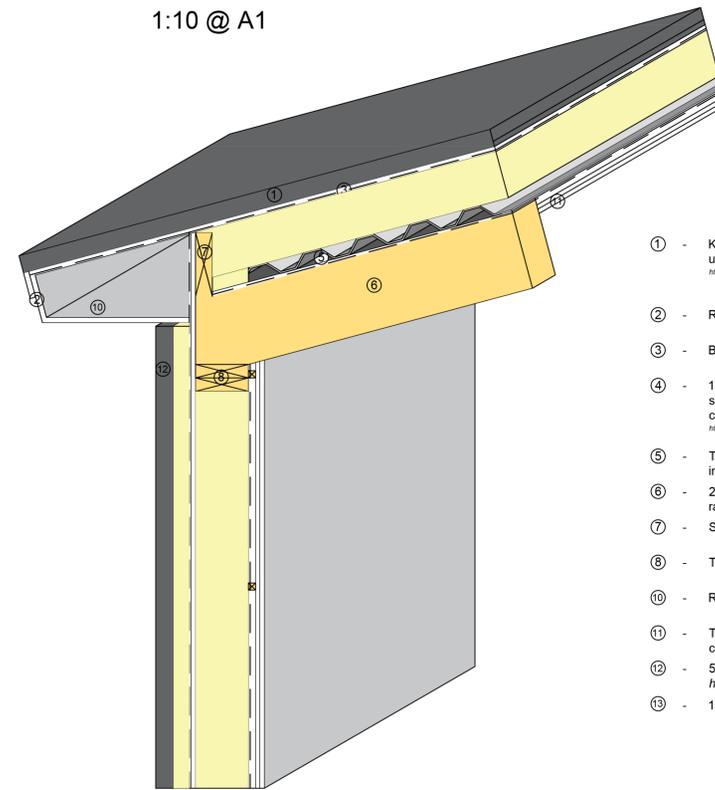
1:10 @ A1



- ① - Mullion frame for spec to suit with Technal curtain walling system, for glazing panel. please refer to the below
- ② - Technal MX Curtain Walling system, <https://nbs.fyi/eKiuE>
- ③ - Rafter Tied into glulam wall, and insulated around.
- ④ - Standing seam roof detail, refer to the Eaves detail for more detail.
- ⑤ - Mullion frame connection between glazing and frame.
- ⑥ - Intermediate floor detail. refer to intermediate wall junction for more detail.
- ⑦ - 150mm Internal load bearing glulam wall build up.
- ⑧ - Acoustic flooring system build up, along with resilient strips
- ⑨ - 150mm upstand with leading connecting the window to roof joint

### Roof Eaves Detail

1:10 @ A1



- ① - Kingzip 400 Linea Standing seam panels. Waterproof rain-screen sat underneath standing seam. <https://www.kingspan.com/en-gb/products/standing-seam-roofs/downloads/kingzip-linea-rbs-spec>
- ② - Roof Fascia connecting end of standing seam.
- ③ - Breathable membrane sat on plywood sheathing
- ④ - 135mm Kingspan Thermapitch TP10, rigid roof insulation, standing seam ties to run through as specified and connected to trapezoidal sheet. <https://source.tribe.co/products/kingspan-thermapitch-tp10/EVY-QG2RMeGLdFP5PLVQ87YQwPBEU8Wkg3vKx>
- ⑤ - Trapezoidal steel sheet, kingzip standing seam ties bolted at regular intervals.
- ⑥ - 225mm x 75mm Timber principal rafter with void for services between rafters, positioned at 3m centres.
- ⑦ - Structural insulating pad
- ⑧ - Two layers of 150mm x 75mm timber wall plate
- ⑩ - Roof soffit connecting into internal wall plate.
- ⑪ - Two layers of 12.5mm Fire-line gypsum wall board suspended from ceiling to allow for a service void.
- ⑫ - 50mm Carbon by design shadow larch charred timber wall cladding. <https://carbonbydesign.co.uk/charred-timber/#>
- ⑬ - 150mm Hemsec SIPS (Structurally insulated panels)