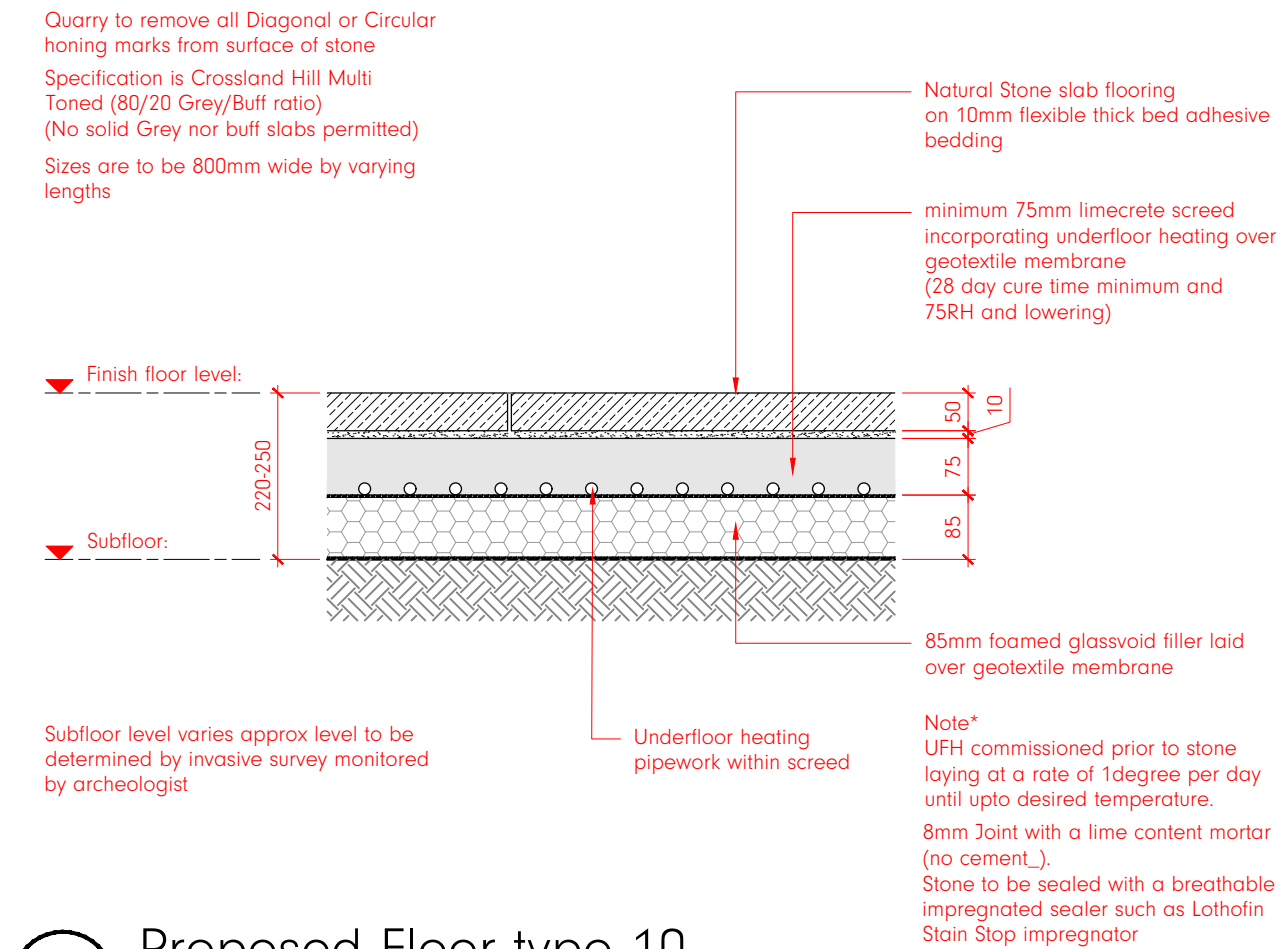
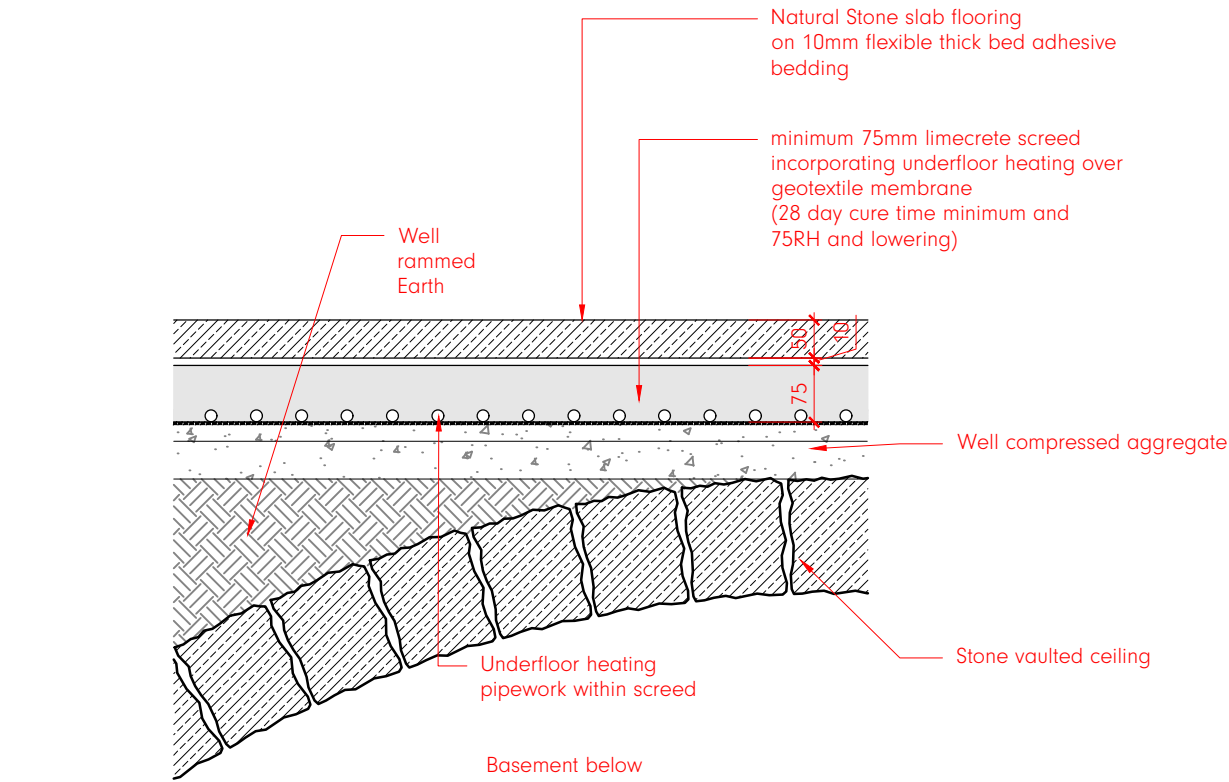




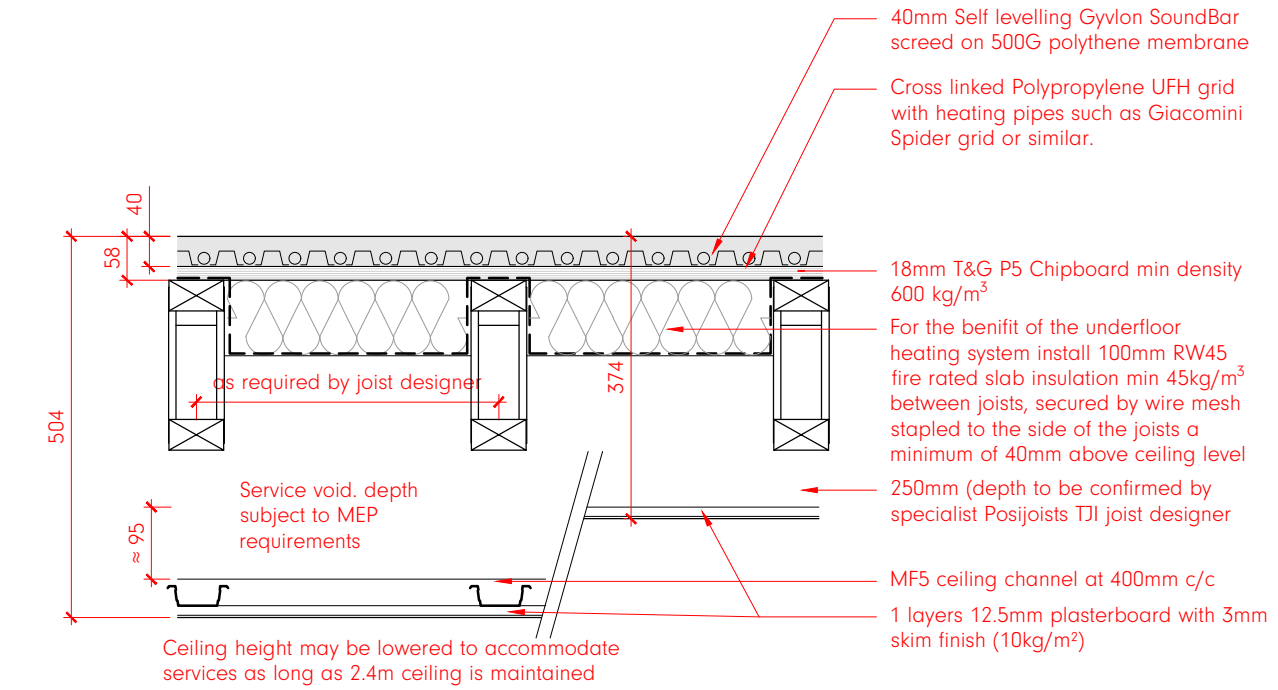
10 Proposed Floor type 10

Scale: 1:10



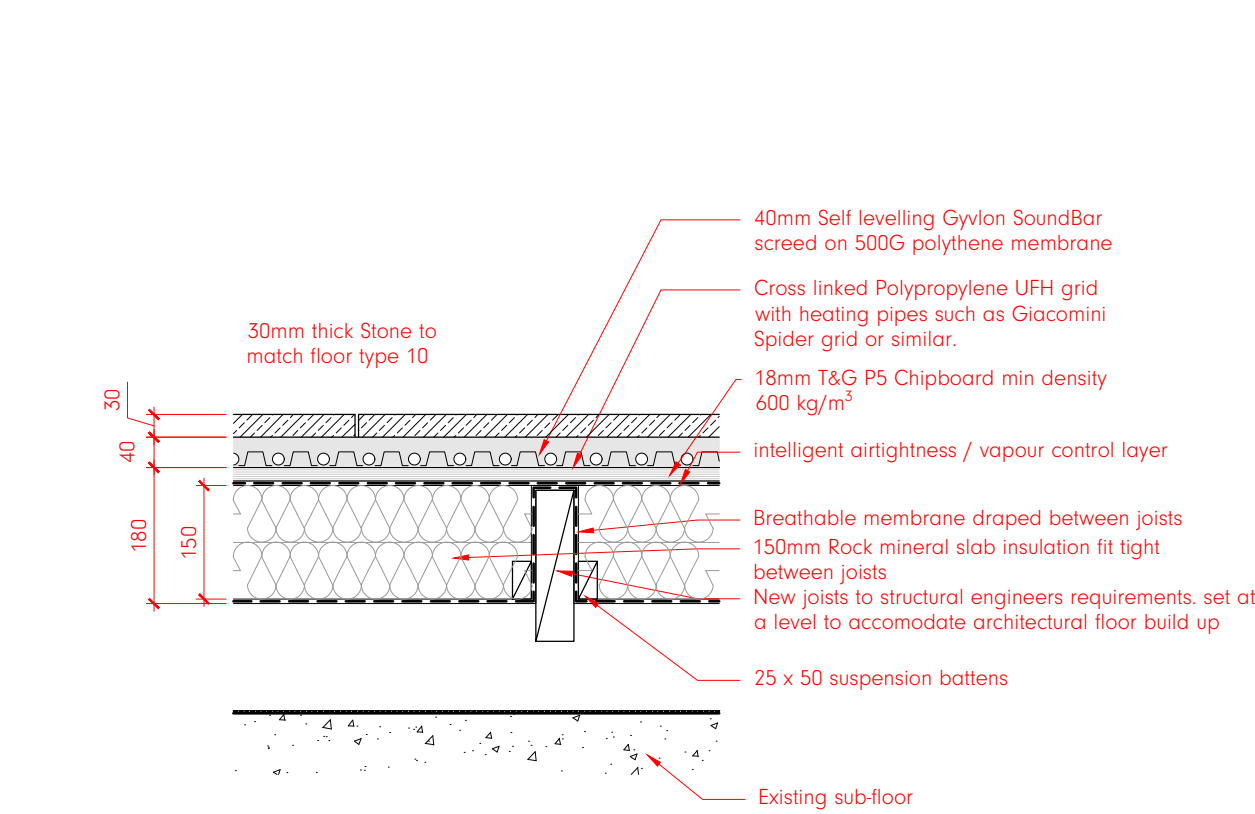
14 Proposed Floor type 14

Scale: 1:10



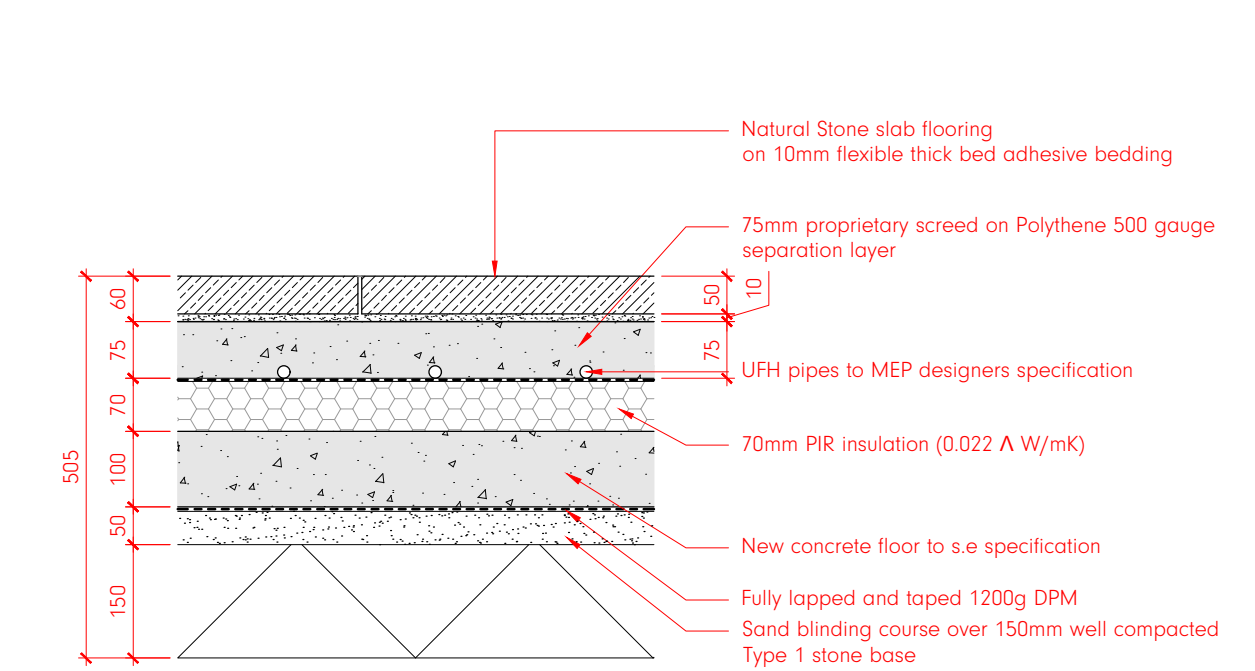
18 Proposed Floor type 18

Scale: 1:10



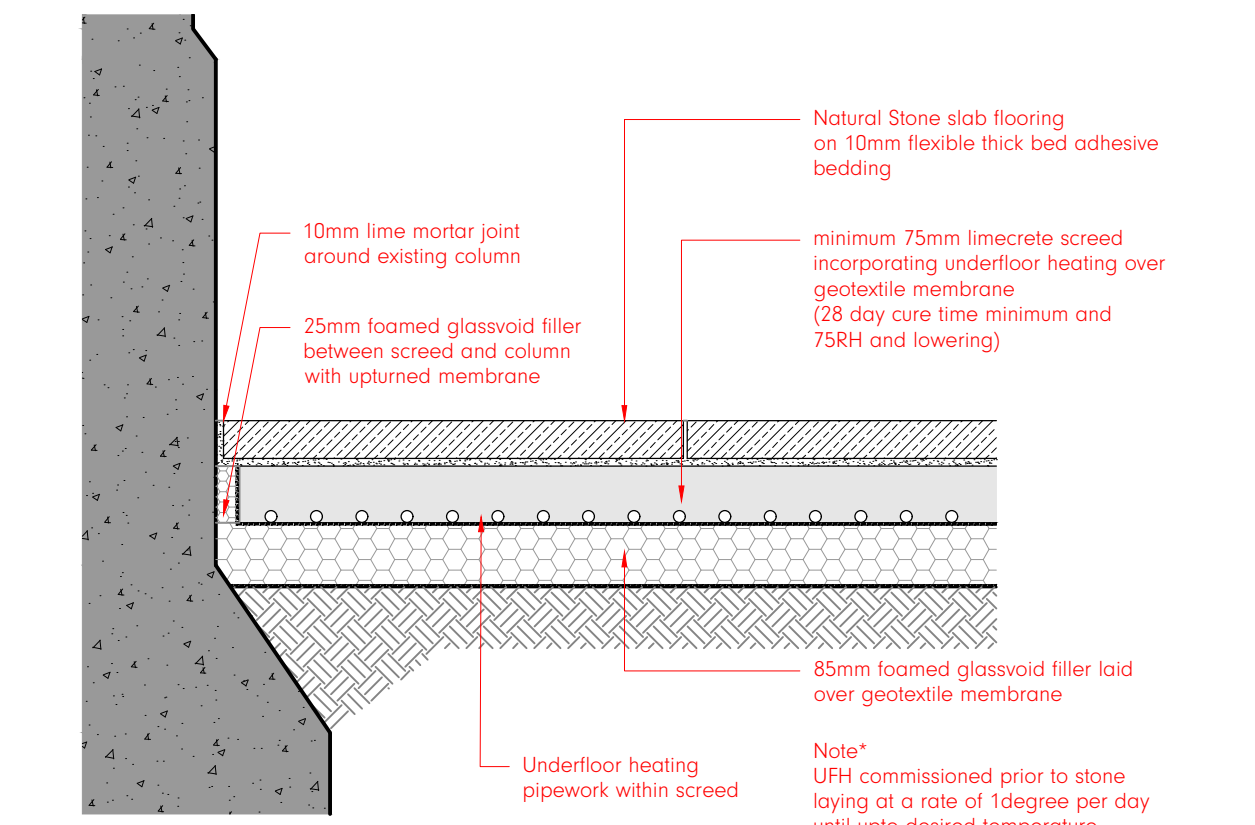
11 Proposed Floor type 11

Scale: 1:10



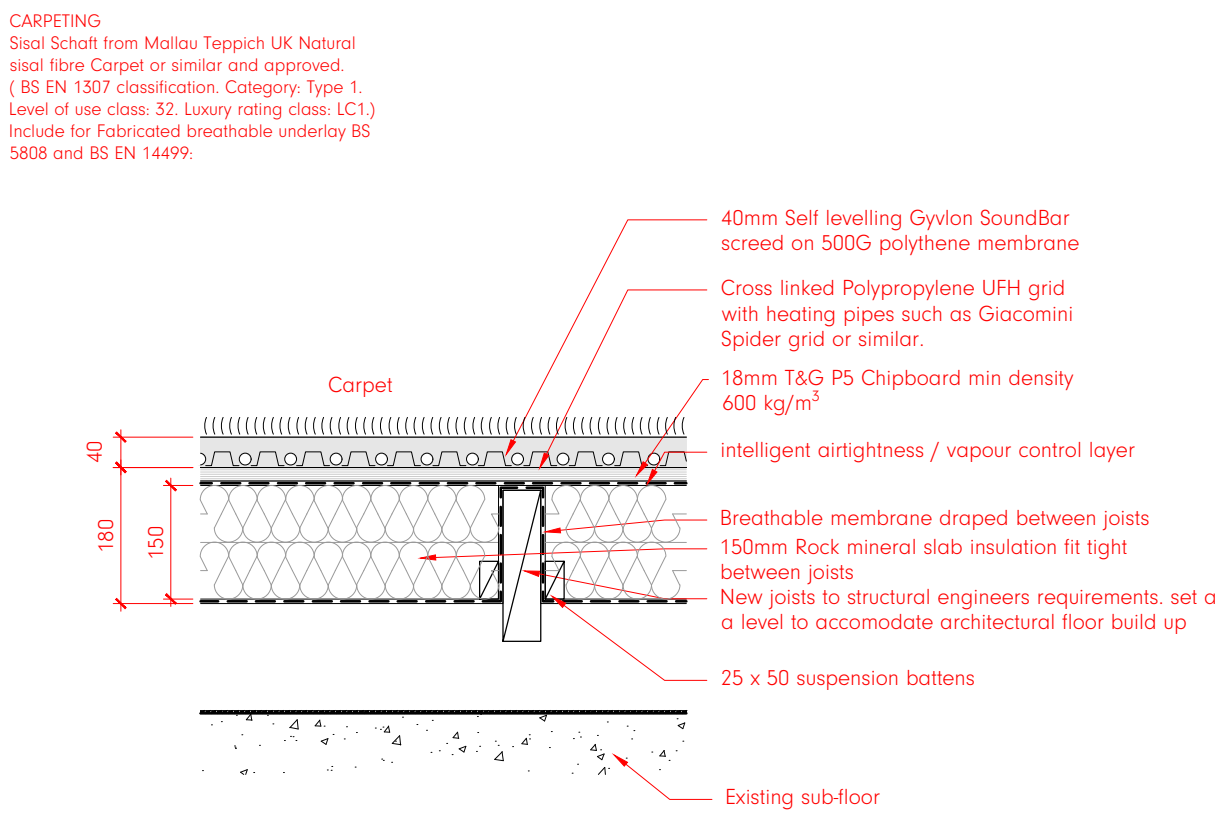
15 Proposed Floor type 15

Scale: 1:10



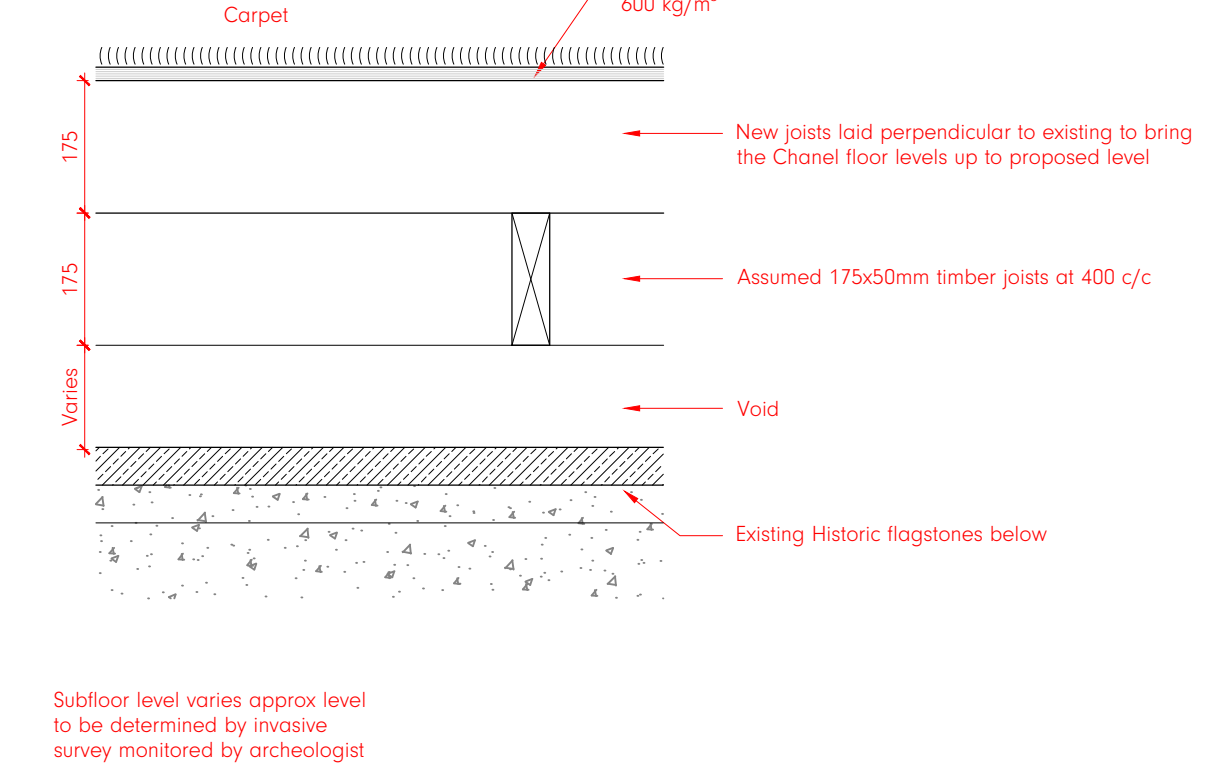
19 Interface with existing columns

Scale: 1:10



12 Proposed Floor type 12

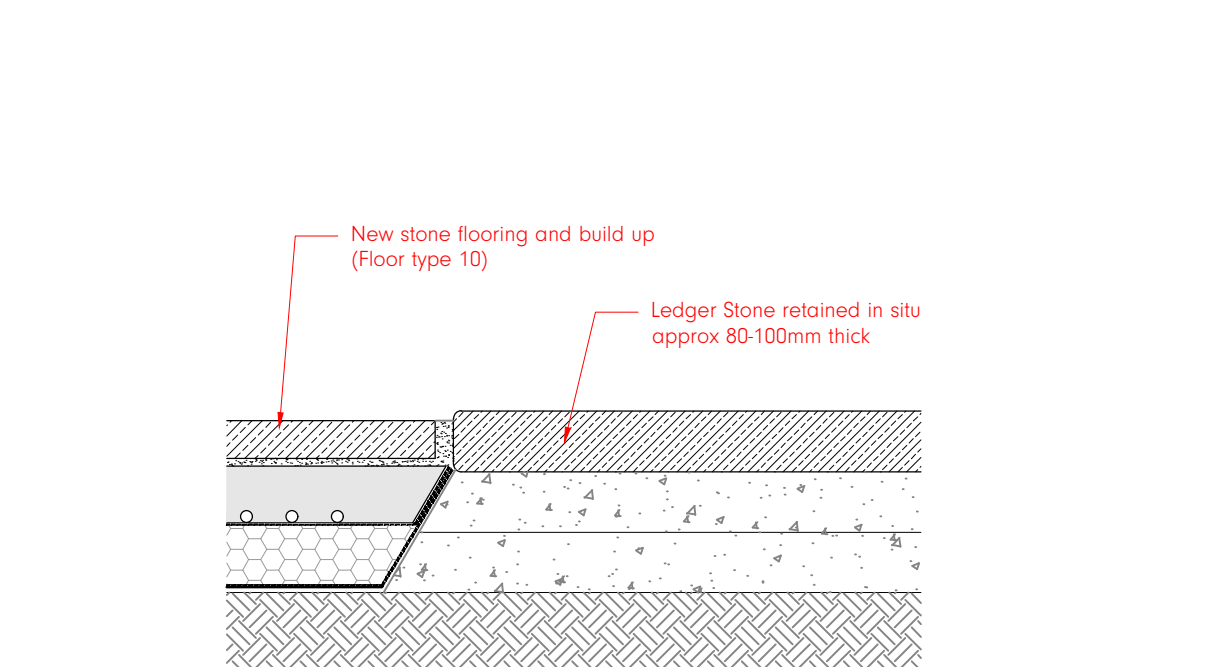
Scale: 1:10



Subfloor level varies approx level to be determined by invasive survey monitored by archeologist

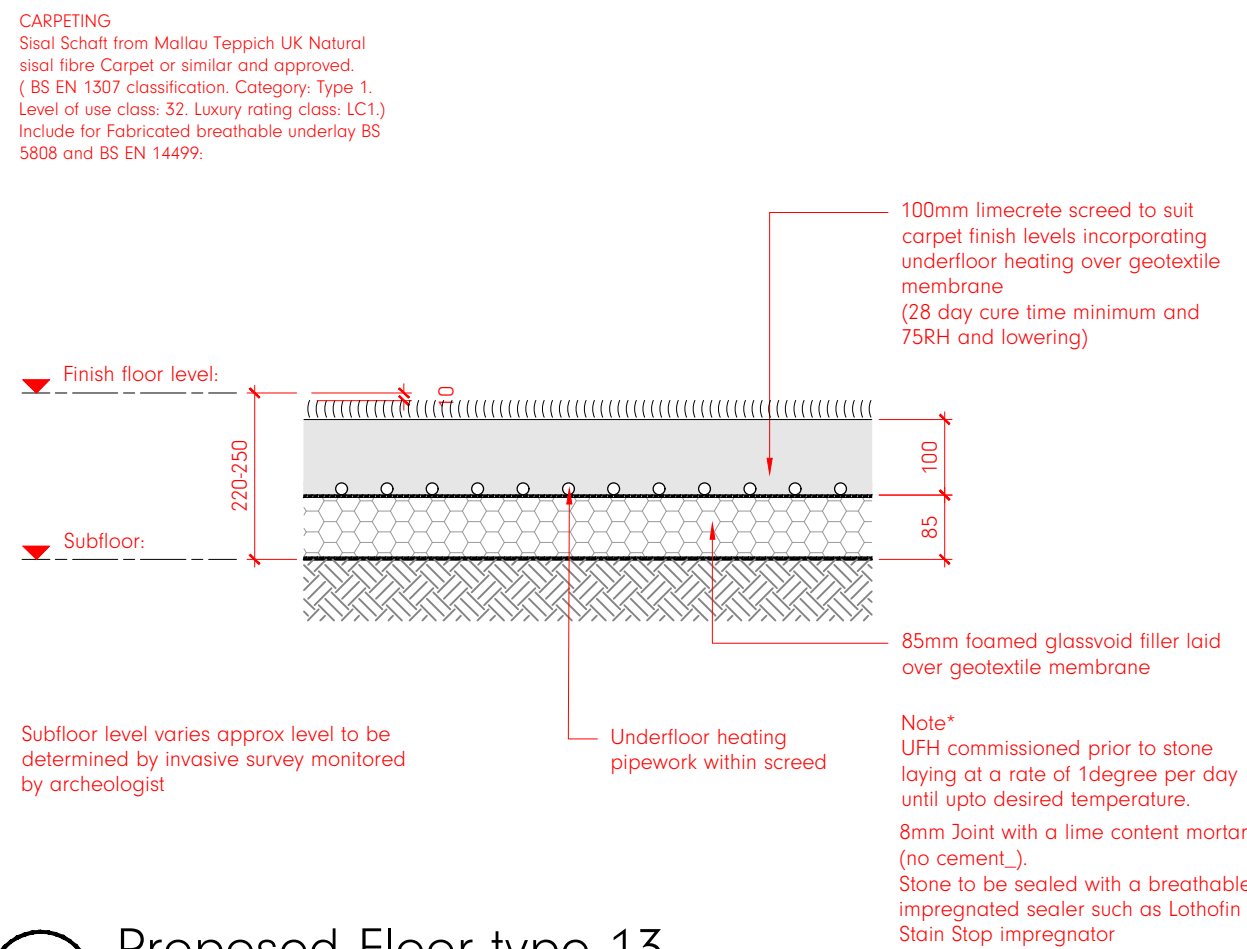
16 Proposed Floor type 16

Scale: 1:10



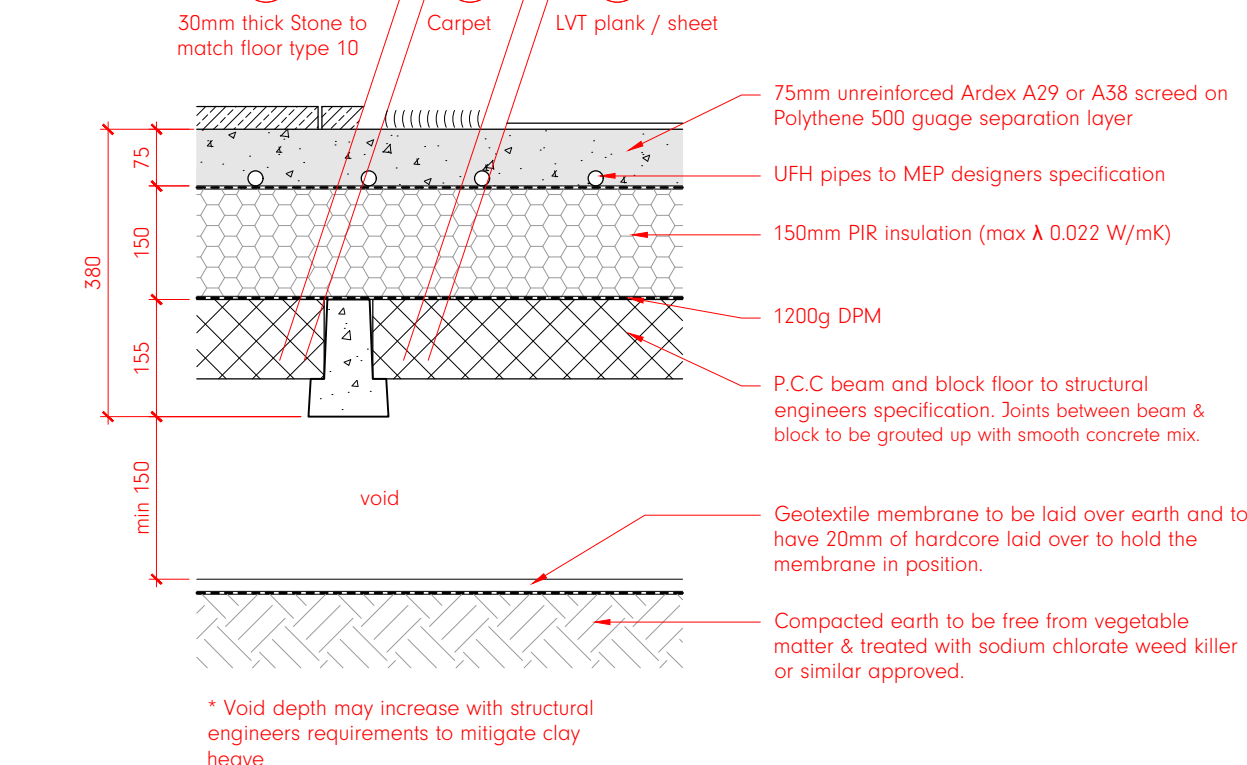
20 Interface with existing ledger stones

Scale: 1:10



13 Proposed Floor type 13

Scale: 1:10



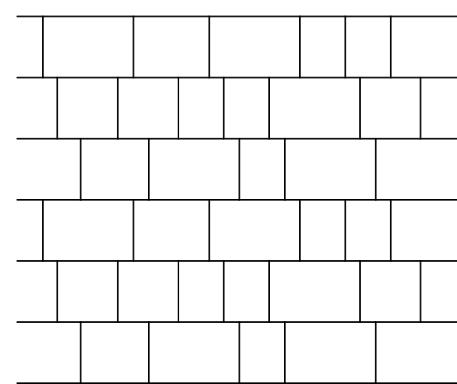
* Void depth may increase with structural engineers requirements to mitigate clay heave

17 Proposed Floor type 17

Scale: 1:10



Stone specification
Johnsons Wellfield Quarry in Huddersfield
800mm wide by varying lengths
(Reference image above)



Laying Pattern shall be rows of 800mm wide floor tiles orientated as per the proposed plan and with random lengths from 600mm to 1200mm

NOTES ON STONE FLOORINGS

STORAGE
Before installation of the tiles, transfer the tiles to the area in which they are to be laid to allow them to acclimatise overnight at room temperature.
Radiation/heated food sources in the room including range cookers should be turned off during the laying and drying out process. This will prevent rapid drying which may lead to great shrinkage and fissure surface fissures. However a minimum background temperature of 15°C will be required for setting.

PREPARATION
Weight limits for subfloors in accordance with BS5385
Ensure the floor on which the paving is to be laid on is thoroughly clean and free of dust and loose debris.
Any bitumen or existing floors should be removed entirely or covered with a levelling compound.
Remove all loose and friable material from the back of the stones.
It is recommended that the floor sub-base is primed prior to laying the paving products.

When the stones are completely dry, the surface of the stones should be saturated with at least one coat of Latholm Stain Stop or Latholm Stain Stop 2K (Subject to sample approval) prior to laying and grouting. Apply an even coverage of 5ml² per tile.

PERIMETER MOVEMENT JOINTS
A gap no less than three times the stone depth or the depth of the tile should be left at the junction between walls and the floor. This should be filled with stone adhesive in large floor areas, intermediate movement joints should be provided at 8 to 10 metre intervals in both directions.
Movement joints should be filled in accordance with the recommendations as stated in BS 5385 - Wall & Floor Tiling.

LAYING ADHESIVE
Never lay on 'isobar' of adhesive.
Paving can be laid on solid forms and screeded floors with underfloor heating using flexible thick bed adhesive.
Use a thickness of 4-8mm of flexible thick bed adhesive dependent on stone type.
Fix white paving stones first. Leave any cut stones around the perimeter of the room, or around the features, until last.
Leave a joint width of minimum 2mm between each stone.
Using a notched notched trowel, comb out a full bed of adhesive, making sure that the adhesive is transferred out in straight lines.
Double bonding is necessary, so both the floor and the back of the stone must be covered in adhesive.
Using a trowelling motion, bring down the stone into place, ensuring the stone, which can be adjusted up to 10 minutes after laying. Do not attempt any adjustment after this time as this will seriously weaken the adhesive.

A split level is essential to ascertain that the finished floor is level.
Ensure at least 3 hours have elapsed before allowing light foot traffic on the stones laid in the hardening adhesive.

LAYING ON A SCREEDED FLOOR WITH UNDERFLOOR HEATING PIPES
Use flexible grout / Lime control mortar.
Any required expansion joints in the screed sub floor and doorways must be continued through the adhesive and stone flooring.

Expansion gaps/joints will be required around the perimeter of the room, across doorways and also in floors longer than 20m.
It is important that the stones are to be installed with adhesive on a newly laid screed, the new screed is allowed to cure and dry thoroughly as recommended by the manufacturer of the heating system.
The screed and stone should be heated up to the recommended rate and held at the operating temperature for sufficient time for the screed to dry to the operating moisture content.
The heated system should be turned off or in cold weather turned down to no more than 15°C before the stones are installed.

SWITCHING ON UNDER FLOOR HEATING AFTER INSTALLATION
The adhesives and grouts must be allowed to take cure before the under floor heating is switched on, generally this must be done 14 days after the installation has been completed.
The heating is switched on to 15°C, progressively turning the heating up by 2°C every 24 hours up to 25°C, progressively reducing this by 2°C every 24 hours until 0°C is reached, after which the heating can be used as normal. Failure to do this will affect the bond and the adhesion of the tiles.

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NOTES

The existing floor details are based on visual inspection and an extrapolation using historical photographs, drawings and historical construction practices. They are intended to illustrate the likely buildups to understand the current situation and are subject to checking via invasive surveys

Scale 1:10

0 100 200 500 700mm

A - 24.06.2025 RJW
Reference image, specification notes and laying pattern added

- 27.05.2025 RJW

FOR COMMENT

St. Andrews Church
Church Street
Keighley
BD21 5HT

Church on the Green
Neighbourhood Foundation

RJW DESIGN STUDIO

Scale 1:10 @ A1

Proposed floor details

004.01.(23)101A

Drawing: No.