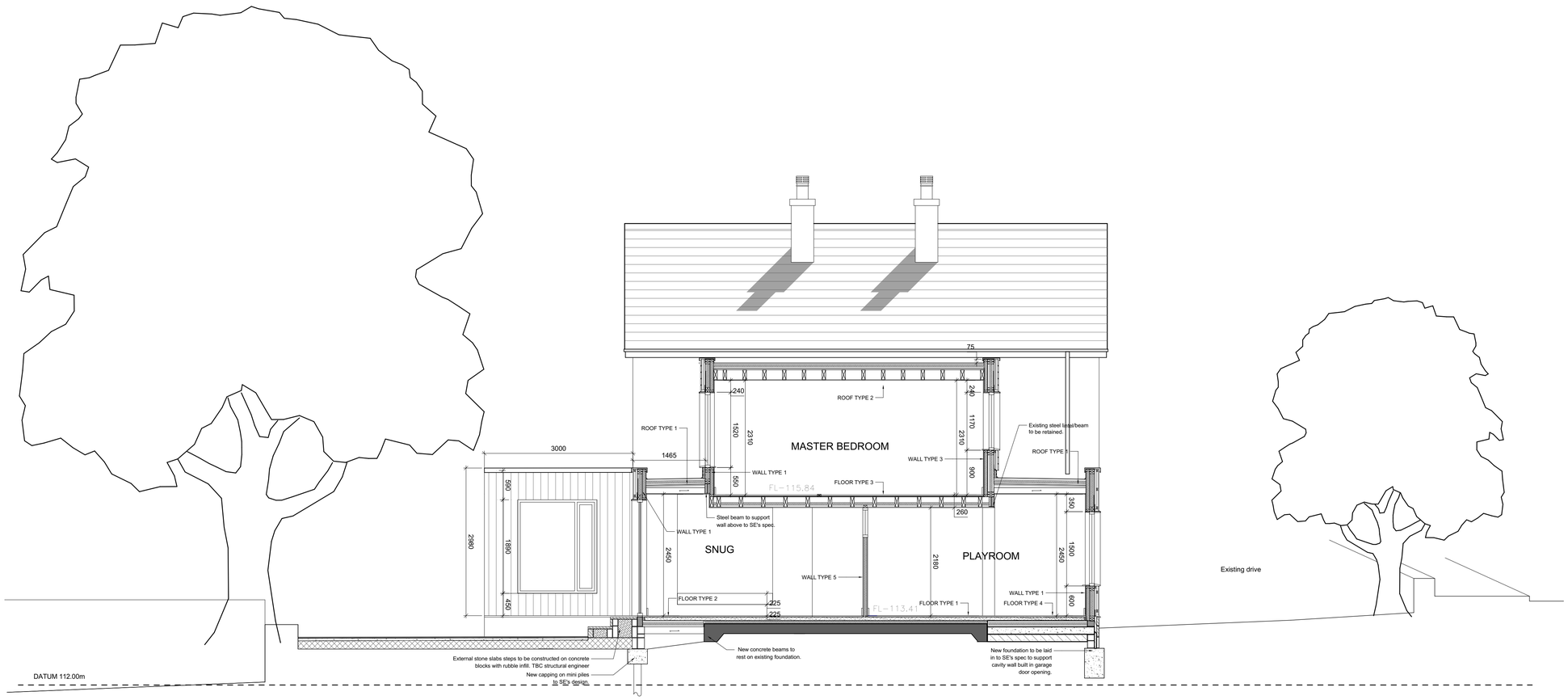

PROPOSED SECTION
scale 1:50 @ A1

ROOF TYPE 1
NEW FLAT ROOF TO EXTENSION

- Required U-value 0.18W/m²K (as designed 0.18W/mK)
- Plasterboard fixed to timber structure
- Timber joists 120x72 at 400mm centers - TBC by SE
- Firrings set to 1:80
- 18mm WBP deck
- Tyvek AirGuard VCL or equal approved
- 120mm Kinspan Thermaroof TR27 LPC/FM or equal approved
- Single Ply membrane

ROOF TYPE 2
NEW FLAT ROOF TO MAIN HOUSE

- Required U-value 0.18W/m²K (as designed 0.18W/mK)
- Plasterboard fixed to timber structure
- Timber joists 195x72 at 400mm centers
- Firrings set to 1:80
- 18mm WBP deck
- Tyvek AirGuard VCL or equal approved
- 120mm Kinspan Thermaroof TR27 LPC/FM or equal approved
- Single Ply membrane

FLOOR TYPE 1
EXISTING FLOOR

- Existing floor structure and substrate to be retained and refurbished.
- Dust and debris to be removed from voids.
- New damp proof membrane Visqueen EcoMembrane or equal approved
- 60mm Celotex GA4000 Insulation or equal approved
- 75mm sand/cement screed
- Finish TBC by client

FLOOR TYPE 2
NEW BEAM & BLOCK FLOOR TO EXTENSION

- Existing earth compacted to Structural Engineers details.
- Void for ventilation connected to existing void of the main house.
- Precast concrete beam & block - TBC by SE
- Damp proof membrane Visqueen EcoMembrane or equal approved
- 125mm Celotex XR4000 Insulation or equal approved
- 65mm screed.
- Finish TBC by client

FLOOR TYPE 3
EXISTING TIMBER FLOOR TO FIRST FLOOR ABOVE PLAYROOM

All ceiling boards to be replaced and new insulation to be fitted between floor joists - 100mm Rockwool RWA45 or equal approved with 12.5mm soundbloc boards screwfixed below.

FLOOR TYPE 4
NEW BEAM & BLOCK FLOOR TO FRONT EXTENSION

- Existing earth compacted to Structural Engineers details.
- 150mm Type 1 Hardcore - to SE design
- Damp proof membrane Visqueen EcoMembrane or equal approved
- 150mm RC30 slab A193 mesh top (40mm cover) - to SE design
- 125mm Celotex XR4000 Insulation or equal approved
- 75mm screed
- Finish TBC by client.

WALL TYPE 1
NEW TIMBER FRAME WALLS

- 20mm Siberian Larch timber clad by Russwoodor equal approved fixed vertically .
- 75 mm cavity for battens and counter battens
- 95mm sw timber studs @ 400mm c/c's fully filled with Rockwool batts with 9mm OSB sheathing over with TYVEK 'House wrap' paper with 50mm air cavity created by battens and counter battens.
- 80mm insulated plasterboard - Celotex GA4000 rigid PIR insulation with skim finish.
- Internal finish TBC by client.

WALL TYPE 2
NEW INTERNAL MASONRY WALLS

- 12.5mm Plasterboard on dabs with skim finish
- 215mm mass block wall (min 7N/mm²)
- 12.5mm Plasterboard on dabs with skim finish

WALL TYPE 3
EXISTING EXTERNAL TIMBER FRAME WALLS

- K-Rend Silicone finish applied as per manufacturer's spec
- 35mm Celenit C3 Woodwool insulation board
- Retain existing structure and add OSB linings if missing to external face of wall.

100mm Rockwool Insulation between existing timber studs.

- 75mm Celotex FR5000 rigid PIR insulation to inner face of existing structure. Joints taped and sealed as VCL.
- Waterproof wall tile substrate to tiled wet areas(wedi-board /schluter kerdi board)
- Finish TBC by client

WALL TYPE 4
EXISTING GROUND FLOOR MASONRY WALLS

- 20mm Siberian Larch timber clad by Russwoodor equal approved fixed vertically .
- 75 mm cavity for battens and counter battens
- 100mm block work (min 7N/mm²) inner leaf
- 100mm insulated plasterboard - Celotex GA4000 rigid PIR insulation to inner face of existing structure with skim finish

WALL TYPE 5
NEW INTERNAL PARTITIONS - NON-LOAD BEARING

- Softwood studs, ungraded 75 x 50 mm
- General spacing: 400 mm with sole plates, head plates, noggins, etc. and additional noggins and 18mm WBP plywood, where required to support fixtures and fittings, e.g. kitchens, bathrooms and utilities,
- Preservative treatment: Required in wet areas only
- Plasterboard backings to stud partitions:
- Type: with 12.5mm plasterboard (moisture resistant board to kitchens, bathrooms and utilities) with a min. density of 10kg/m² and skim finish to both sides.
- Waterproof wall tile substrate to tiled wet areas (wedi-board /schluter kerdi board)

Insulation between studs: with 50mm Rockwool Flexi (or equal approved) between studs, with a min. density of 10kg/m³. Finish TBC by client.

NOTES

- All dimensions and levels are to be checked on site.
- Any discrepancies are to be reported to the Digital Architect Services Ltd before any work commences.
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0 1m 2m 4m

Scale 1:50 @ A1

Rev	Description	Date	Status

drawing stage: Building Regulations
drawing status: Approval

client: Private

project: Private

drawing title: Proposed Section

date 23/09/2019 drawn CL
scale 1:50 @A1 checked CL

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Job No 007/01 DWG No A.03.04 Rev