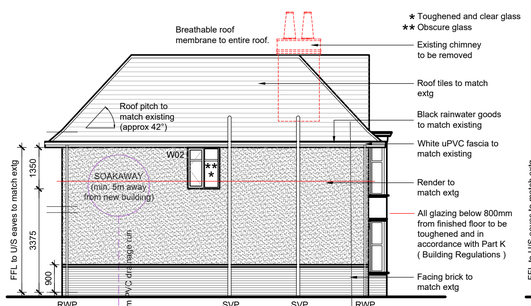
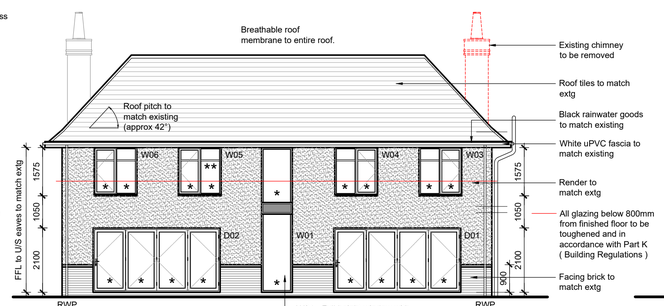
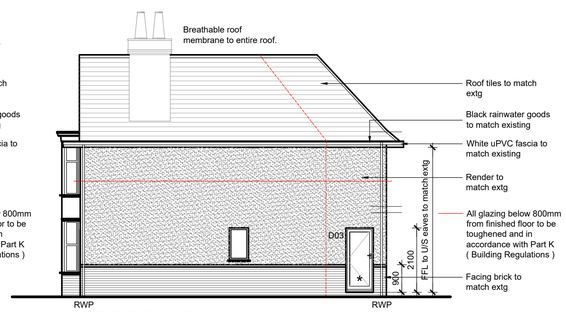
FRONT ELEVATION
Scale 1:100



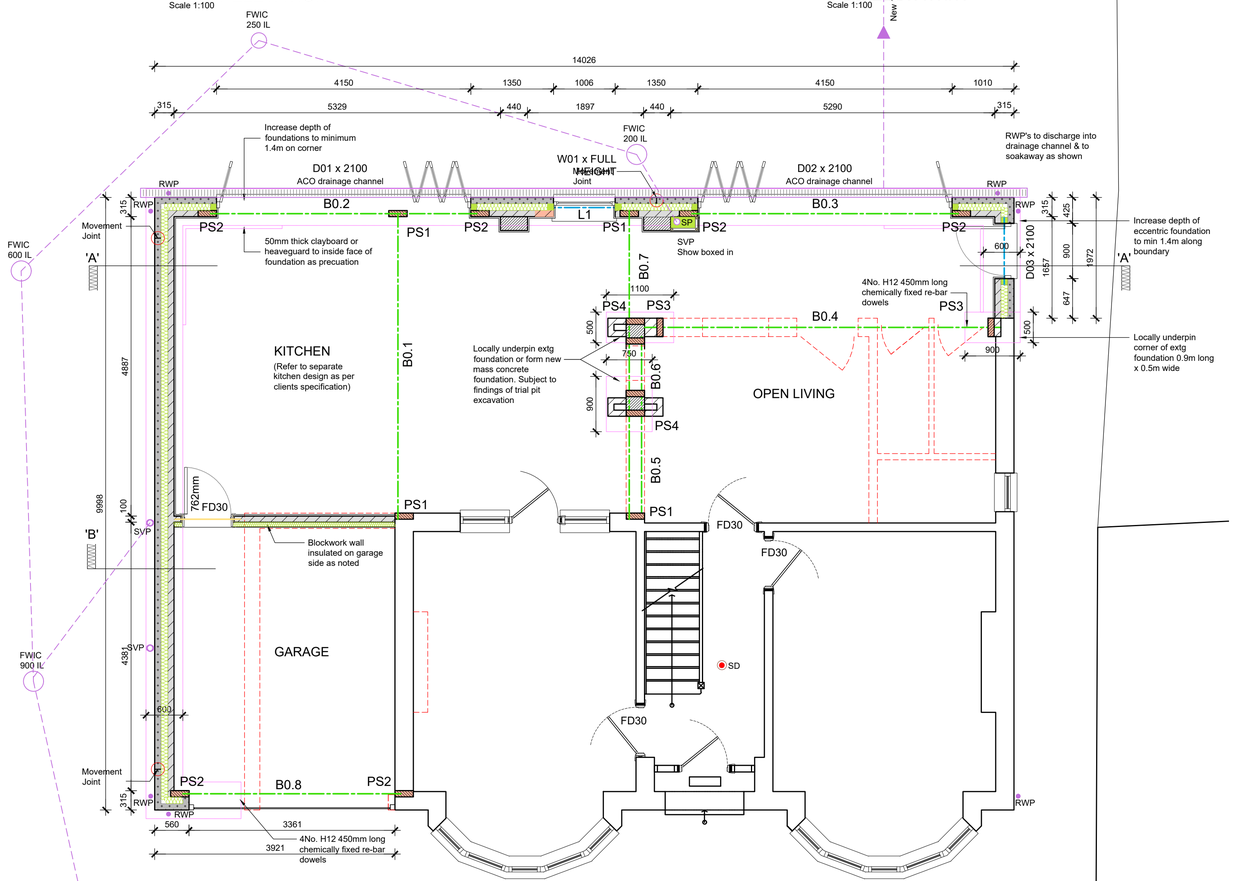
SIDE ELEVATION
Scale 1:100



REAR ELEVATION
Scale 1:100



SIDE ELEVATION
Scale 1:100



GROUND FLOOR/SITE PLAN
Scale 1:50

Floor Plan Key

- Existing structure to be removed
- Existing structure to be retained
- Foundations - 600mm wide for external walls (unless otherwise stated), 450mm wide for internal load bearing walls or sleeper walls)

Masonry Key

- Facing brickwork to match existing
- 7.3N/mm² Aggregate Blockwork (min. density 1350 - 1450kg/m3) - Render Finish to match existing
- 3.6N/mm² Aircrete Blockwork.
- 20N/mm² Class B Engineering Brickwork + M4 Mortar.
- Full Fill Insulation (Refer to Construction Notes for Specification)
- SD Smoke Detector

Internal Partition Key

- Standard Stud Wall 63x38mm studwork at 600mm vertical c/c's with 12.5mm plasterboard (300mm centres to wet rooms)
- Acoustic Stud Wall 63x38mm studwork at 600mm vertical c/c's with 12.5mm plasterboard and 50mm acoustic mineral fibre insulation (300mm centres to wet rooms)
- Acoustic Structural Stud Wall 75x47mm C24 studwork at 400mm vertical c/c's with 2No. 75x47mm every 1200mm c/c's and 50mm acoustic mineral fibre insulation. 9mm ply sheathing fixed to one side & 12.5mm plasterboard to both sides. Stud wall fixed to masonry with M10 resin anchors at 450c/c
- Moisture Resistant Plasterboard

Lintel Key - (Refer to Structural Calculations)

- Insulated Cavity Lintel
- Box Lintel
- Structural Timber
- Structural Steel Beam

Drainage Key

- SP Insulated Soil Pipe
- RWP Rain Water Pipe
- SFG Sealed Floor Gully

TO BE READ IN CONJUCTION WITH JEM STRUCTURAL CALCULATIONS JOB NO. 5723

STRUCTURAL ENGINEERS DETAILS

Steel Beams:

B0.1 - 152 x 152 x 37 UC

B0.2 - 254 x 146 x 37 UB with 8mm thick plate welded to bottom.

B0.3 - 254 x 146 x 37 UB with 8mm thick plate welded to bottom.

B0.4 - 152 x 152 x 37 UC (Max. 5.2m clear span allowed)

B0.5 - 2No. 178 x 102 x 19 UB's connected with M16 grade 8.8 bolts + spacer tubes @ 500ctrs

B0.6 - 2No. 178 x 102 x 19 UB's connected with M16 grade 8.8 bolts + spacer tubes @ 500ctrs

B0.7 - 178 x 102 x 19 UB

B0.8 - 203 x 133 x 30 UB with 8mm thick plate welded to bottom

Lintels:

L1 - Catnic Standard Duty Steel Cavity Wall Lintel

L2 - Catnic Standard Duty Steel Cavity Wall Lintel

Timber Joists:

T1 - Double 220 x 47 C24 - below timber stud wall over

T2 - Triple 170 x 47 C24 - stair trimmers

T3 - Double 220 x 47 C24 - below timber stud wall over

T4 - Double 170 x 47 C24 - below timber stud wall over

Padstones:

PS1 - 100mm length bearing onto 440mm x 102.5mm x 3 courses deep engineering brick in 1:3 mortar

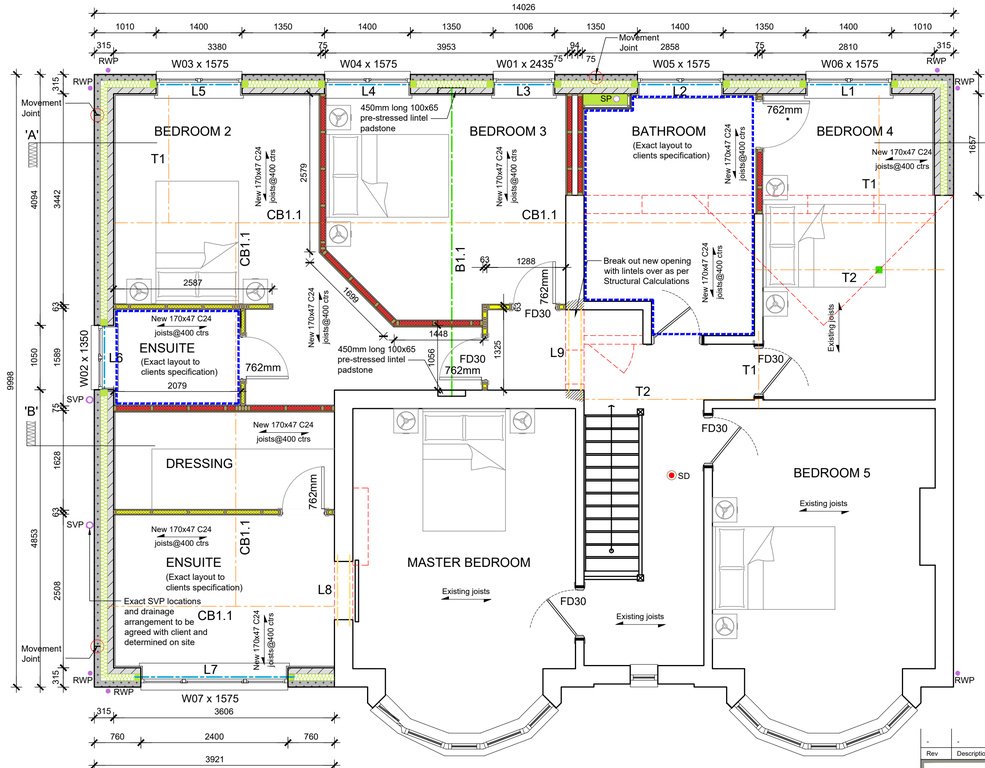
PS2 - 300mm length bearing onto 440mm x 102.5mm x 3 courses deep engineering brick in 1:3 mortar

PS3 - 250mm length bearing 3 courses deep engineering brick in 1:3 mortar

PS4 - 150mm length bearing 3 courses deep engineering brick in 1:3 mortar

Movement Joints

MJ - Refer to Structural Calculations



FIRST FLOOR
Scale 1:50

STRUCTURAL ENGINEERS DETAILS

Beams:

CB1.1 - Triple 220 x 47 C24 ceiling binders

B1.1 - 152 x 152 x 37 UC

Timber T1 - Double 170 x 47 C24

Timber T2 - Triple 170 x 47 C24

Lintels:

L1-L7 - Catnic Standard Duty Steel Cavity Wall Lintel

L8 & L9 - 2No. 100 x 140 R15A Stressline concrete

Movement Joints

MJ - Refer to Structural Calculations

Lintel Key - (Refer to Structural Calculations)

- Insulated Cavity Lintel
- Box Lintel
- Structural Timber
- Structural Steel Beam

Metres 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

SCALE BAR 1:100

Rev	Description	Date
-	-	-

DG Designs
ARCHITECTURAL DESIGN
22 Gough Close, Kettering, Northants. NN15 5BE
t: 07739912693
w: dg-designs.co.uk
e: info@dg-designs.co.uk

Client:
Mr G Wegener

Project Ref:
Proposed Plans & Elevations
Proposed 2 Storey Rear/Side Extensions at 198 Station Road, Burton Latimer, NN15 5NT

Drawing Status:	BREGS	Drawn:	DGD	Checked:	-
Date:	March 2026	Scale:	As stated	Paper size :	A1
Job Ref:	26_198SR_02			Rev:	