V3 Drawing Register						
Sheet Number	Sheet Name	Rev	Revision Date			
2205-300	Cover Page & Design Risk Register	А	Feb 2024			
2205-310	Foundation & Sub-Floor Plans	Α	Feb 2024			
2205-320	Floor Plans	Α	Feb 2024			
2205-330	MEP Plans	Α	Feb 2024			
2205-340	Elevations	Α	Feb 2024			
2205-350	Sections	Α	Feb 2024			



Design Risk Register				
Element	Comments			
Lifting Operations	To avoid injury when handling heavy components, specialist handling equipment is to be utilised for the positioning of heavy objects/materials. Large glazing to be installed with specialist lifting equipment by trained personnel. Protection barriers to be provided to prevent mechanical damage following installation.			
Craneage	Crane supplier to be satisfied of adequate support to outriggers, correct lifting positions to be established to avoid slippage of sheet materials during lifting and placement. Sub-contractors and suppliers to 'design in' lifting eyes and identify weights of heavy items at drawing approval stage. All RAMS to be obtained and approved prior to any lifting operations being carried out.			
Ground Floor Construction	Mechanical Lifting equipment to be utilised to position pre-cast concrete floor planks. Manual handling assessment to be carried out.			
Working at Height	Install temporary scaffolding barrier to exposed edges of upper floors including toe boards throughout the build period. Provide scaffolding to all areas requiring placement of materials and finishing to all areas above ground level. Scaffolding to be positioned to avoid the need to overreach causing strain injury when placing materials. Protect areas below high level working from falling debris. Ensure space required for crane is achievable and suitable hard standing is provided. Ensure maximum fall height when fixing trusses into position is 2 metres by utilising appropriate safety measures and equipment.			
Stairs	To prevent falls provide temporary guarding and edge protection to open well areas and keep clear during construction, eliminating the possibility of trip hazards. Stairs to be erected as early as possible during the construction process to provide vertical circulation and means of escape in case of fire.			
Masonry Construction	When working at height mechanical lifting measures required to lift brick and block packs into position to reduce manual handling.			
Lintels	Manual Handling Assessments to be carried out for all lintels, light craneage to be utilised for lintels considered too heavy for manual handling.			
Structural Steelwork	Mechanical lifting measures required to reduce manual handling. Ensure required space for crane is achievable and suitable hard standing is provided.			
Windows / Structural Openings	Any structural apertures below 800mm to be fitted with temporary guarding to prevent falls. Any structural apertures below 800mm and extending to floor level to be fitted with temporary guarding and edge protection to prevent falls. Mechanical lifting measures and frame and glazing fitted separately to be considered for installation of large windows and combination door & window frames. Window manufacturer to be consulted regarding best means of installation.			
Window Cleaning & Maintanence	'Easy Clean' hinges are not an option due to the top hung design to a majority of the windows, as such windows should be cleaned from ground level using a telescopic 'reach & wash' system. All windows used to be Aluminium or UPVC frames to eliminate the need for future decoration.			
Roof Construction	Ensure space required for crane is achievable and suitable hard standing is provided. Ensure maximum fall height when fixing trusses into position is 2 metres by utilising appropriate safety measures and equipment.			

2205-V3-N (As)

A General updates as detailed within issue email dated 02.02.2024

Description

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Description

Feb 2024

NORTHSTONE

Peel L& Salford M50 2T0

## **CONSTRUCTION**

PROJECT

**Gen2 House Type Portfolio** 

DRAWING NAME

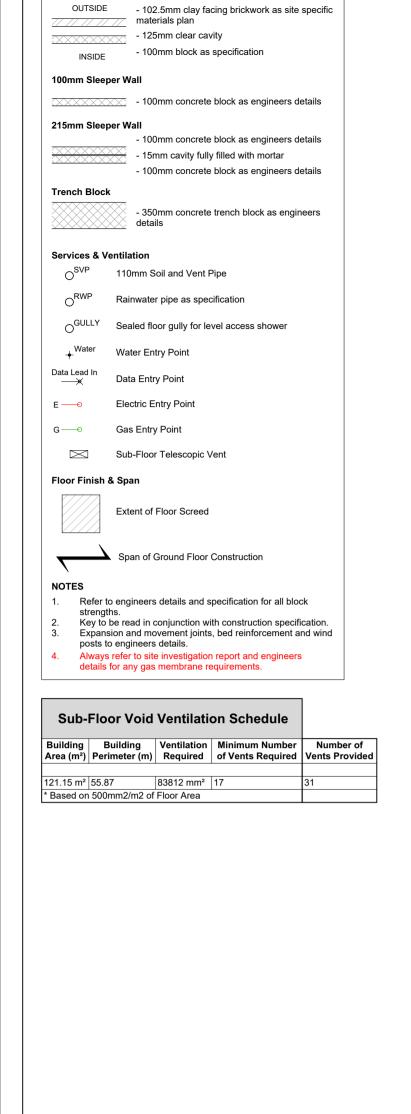
2205-V3-N (As) Cover Page & Design Risk Register

DRAWING NUMBER	DESIGNATION	DRAWN BY	
2205-300		N	Design
DATE	SCALE (@ A3	3)	REV
May 2023			Α

## lotes:

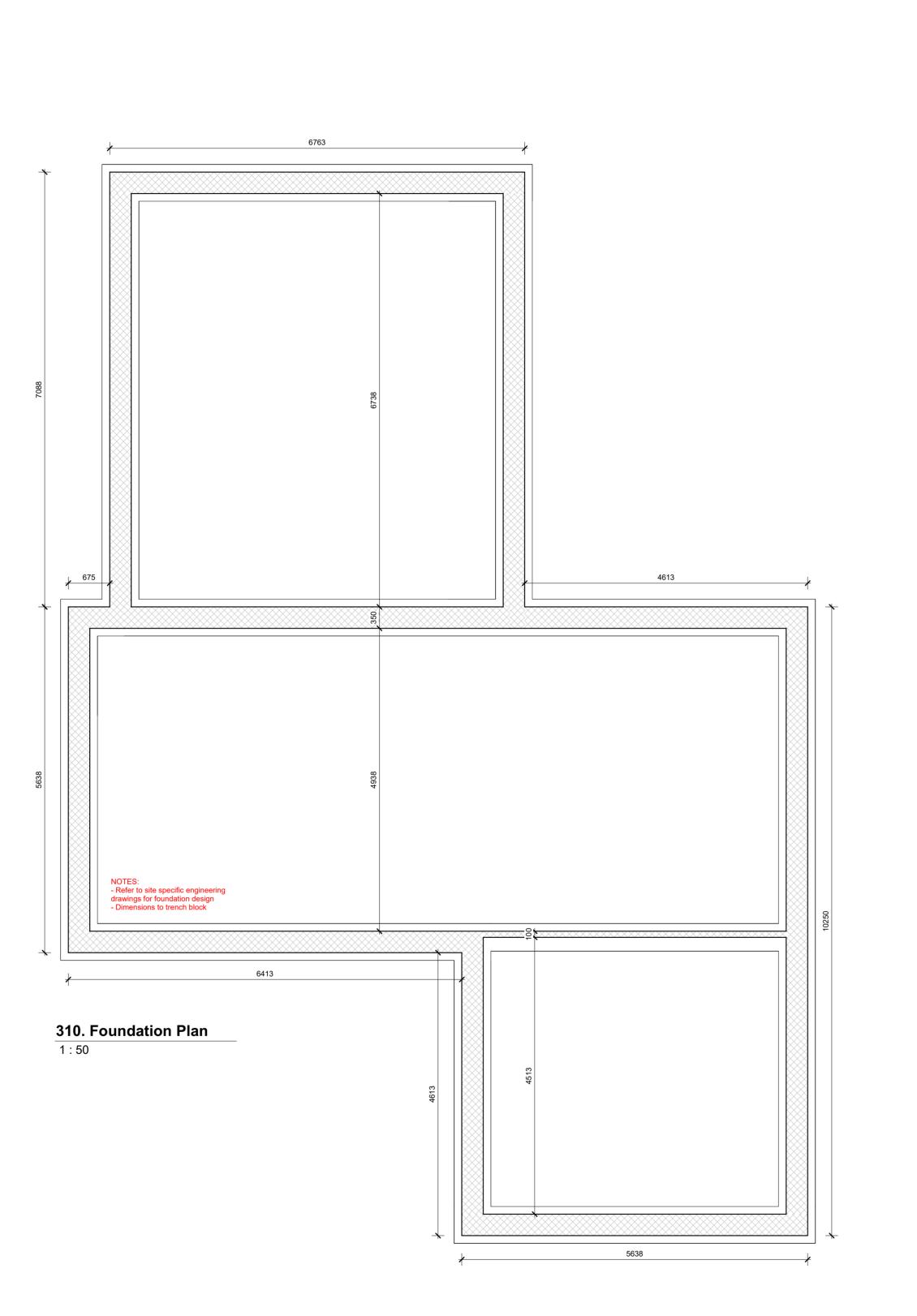
- All dimensions to structure unless otherwise stated.
- Drawing to be read in conjunction with Northstone specification & all other project related design information and drawings.
- other project related design information and drawings.
  Any discrepancies to be reported to Northstone Technical prior to commencement of works.
- All materials and workmanship to be in accordance with current NHBC Technical Standards and Building Regulations.

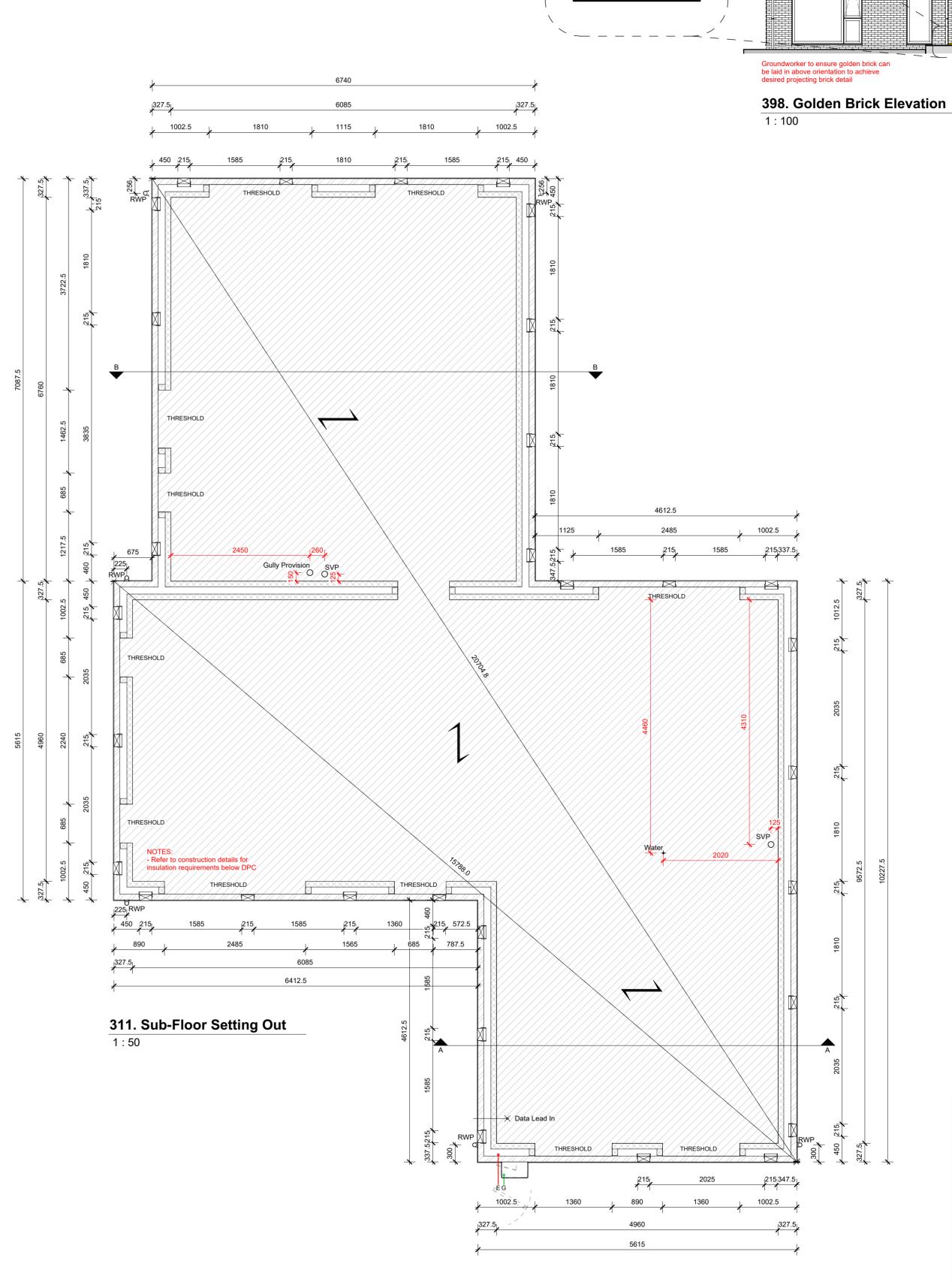
DO NOT SCALE FROM THIS DRAWING. ALWAYS PRINT IN COLOUR.

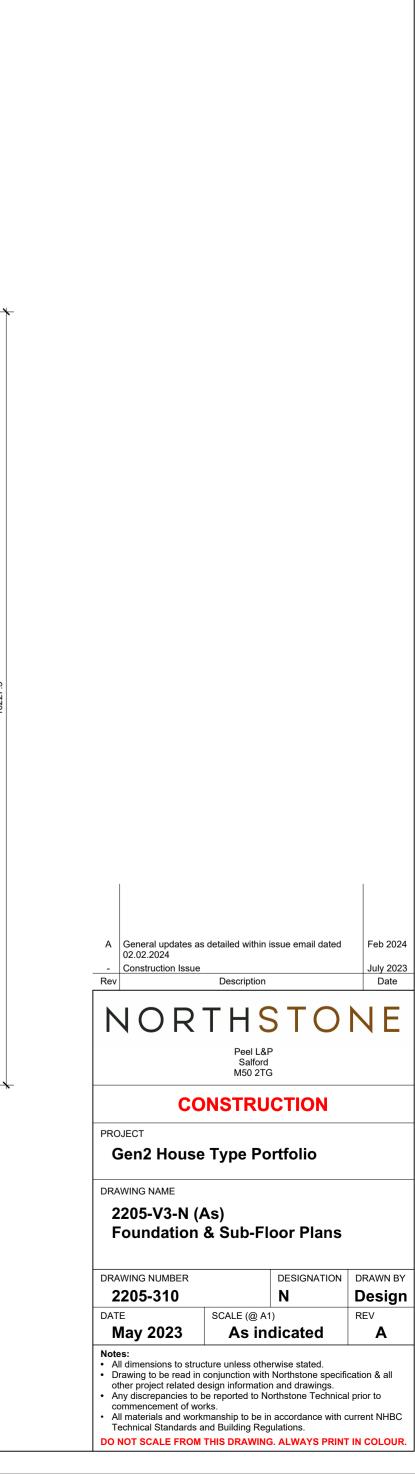


FOUNDATION & SUB-FLOOR LEGEND

Brick Face External Wall









Internal Door Schedule

Not Fire Rated

Door Ref From Room To Room Structural Width Structural Height Leaf Width Casing Depth Fire Rating

En-Suite 2

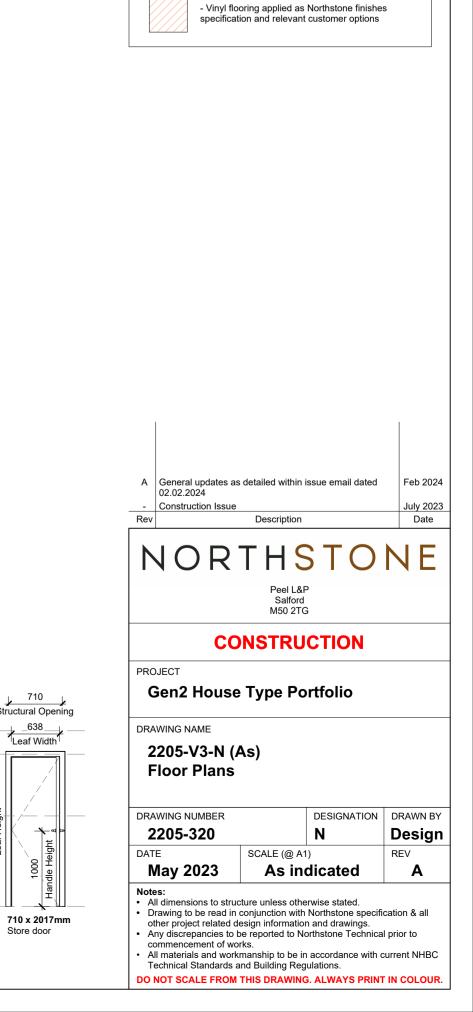
Bathroom 2

Ground Floor FFL/DPC

Ground Floor FFL/DPC
First Floor FFL

First Floor FFL

First Floor FFL



WALL TYPE LEGEND Brick Face External Wall

General Partition

Patressed Partition Wall

Acoustic & Fire Rated Partition

materials plan

specification

skim finish NON LOADBEARING STUD PARTITIONS

required for MEP fixtures and fittings

- 125mm cavity fully filled with insulation as

- 100mm block as specification - 12.5mm plasterboard on 10mm adhesive dabs, all joints taped and filled before wet plaster

- 63x38mm C16 studwork at max 600mm centres with suitable noggins

- 1no. layer of 12.5mm plasterboard mechanically fixed to stud both sides of wall with all joints taped

- 63x38mm C16 studwork at max 600mm centres with suitable noggins

30 Min C16 studwork at max 600mm centres with suitable noggins

with British Gypsum White Book

- 12.5mm moisture resistant plasterboard mechanically fixed to stud onwet-room side of

- 63x38mm C16 studwork wide face out at max 400 400 400 400 400 400 with suitable noggins

Refer to structural engineers details and

- Voids between studwork fully filled with 60mm As Above Wall Types Rockwool Flexi or similar approved mineral wool where indicated on drawing for AD:E compliance

with British Gypsum White Book

Refer to engineers details and specification for all block strengths.
 Key to be read in conjunction with construction specification.
 Expansion and movement joints, bed reinforcement and wind posts to

engineers details.
4. All dimensions are to structure unless otherwise noted.

party walls.

Wet-Room Partition (WC / Bathroom / En-suite)

centres with suitable noggins

Framing Wall

Anchored/Buttress Stud Partition

Insulation Between Studs

**FLOORING LEGEND** 

LVT Flooring

\_\_\_\_638\_\_\_\_ Leaf Width

- 102.5mm clay facing brickwork to site specific

- Pattress between stud with 12mm Ply where

- 12mm ply mechanically fixed to stud on loadbearing side of wall, (Kitchens etc.)

- Voids between studwork fully filled with 60mm Rockwool Flexi or similar approved mineral wool. - Pattress between stud with 12mm Ply where required for MEP fixtures and fittings - 1no. layer of 12.5mm plasterboard mechanically fixed to stud both sides of wall with all joints taped and filled before wet plaster skim finish

- Achieves R<sub>w</sub>40dB in accordance with AD:E - Achieves REI 30 fire resistance in accordance

- 63x38mm C16 studwork at max 400mm

- Pattress between stud with 12mm Ply where required for MEP fixtures and fittings

wall with all joints taped and filled prepared for

- 12.5mm standard plasterboard mechanically

fixed to stud on **dry-room side** of wall where required with all joints taped and filled before wet

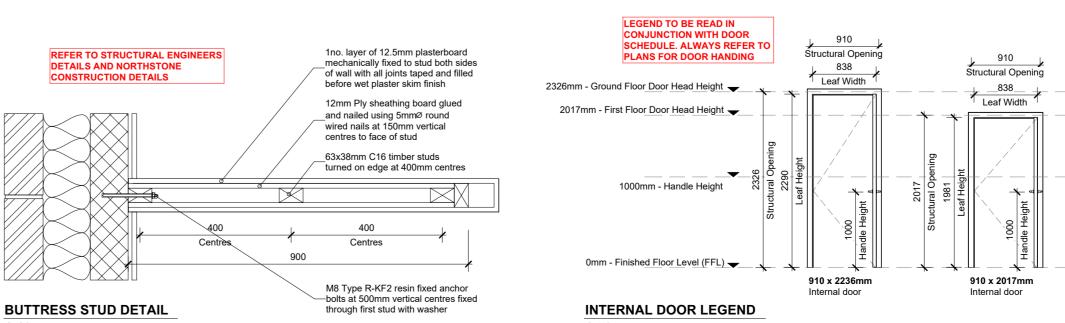
- 1no. layer of 12.5mm plasterboard mechanically fixed to stud on room side of wall with all joints taped and filled before wet plaster skim finish

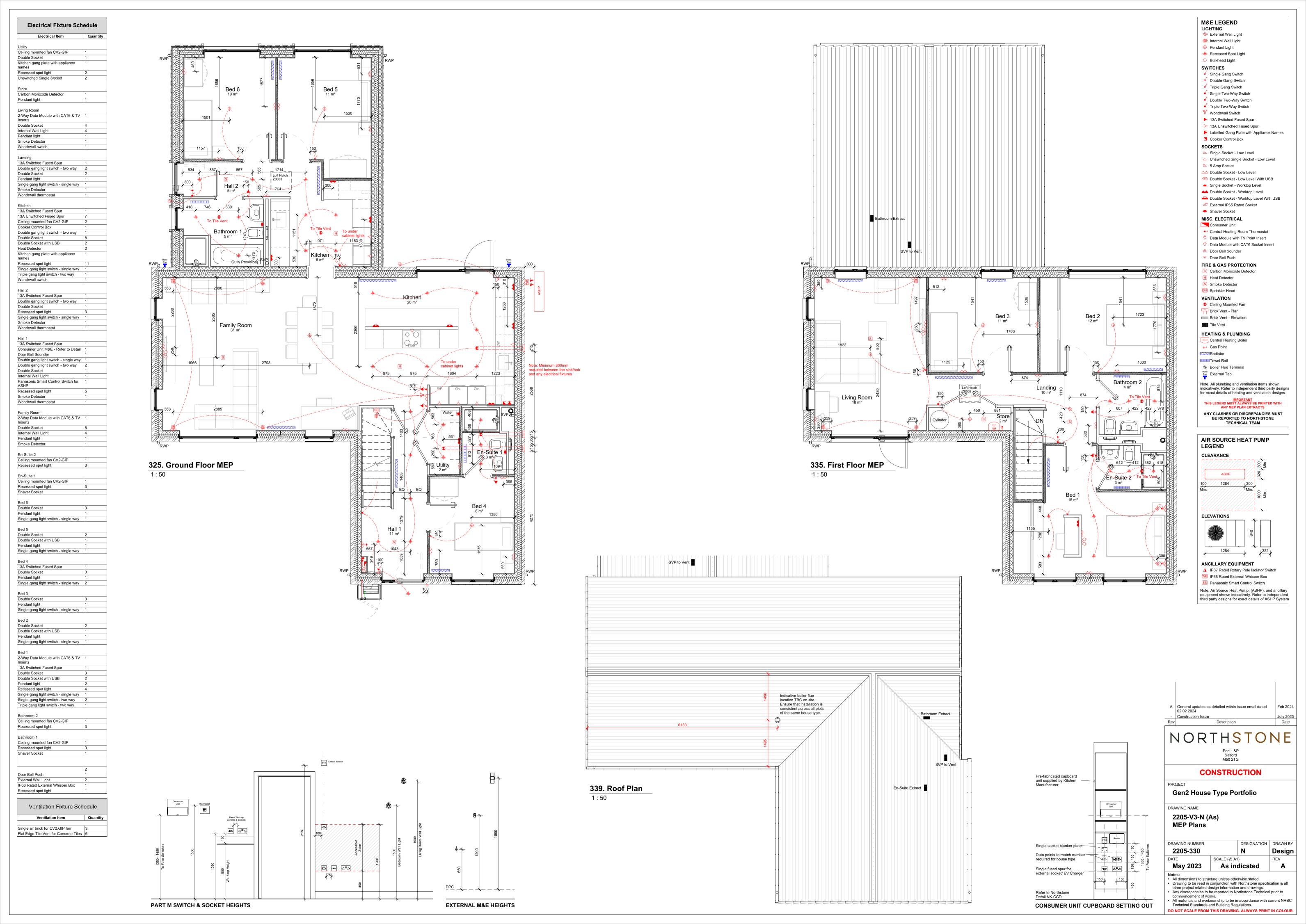
Northstone construction details.

Buttress Studs and Windposts not required on

- Achieves R<sub>w</sub>40dB in accordance with AD:E - Achieves REI 30 fire resistance in accordance

- 1no. layer of 12.5mm plasterboard mechanically fixed to stud both sides of wall with all joints taped and filled before wet plaster skim finish



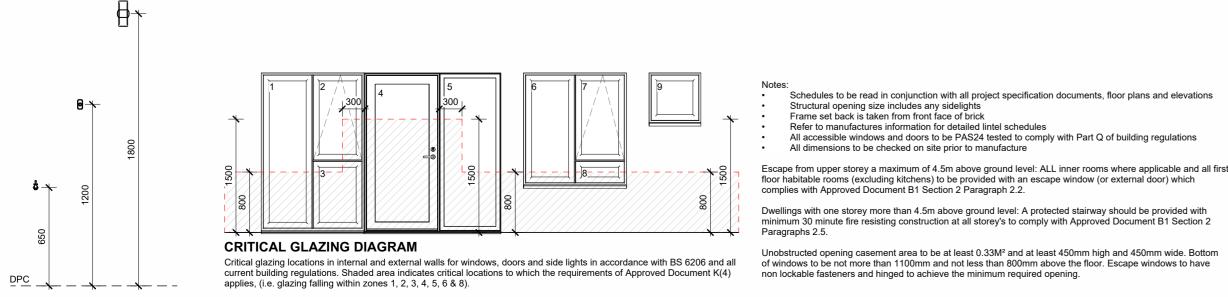






342. Rear Elevation

1:50



All glazing in critical locations should:
a) If broken, will break safely.
b) Be sufficiently robust to resist breaking.

**EXTERNAL M&E HEIGHTS** 

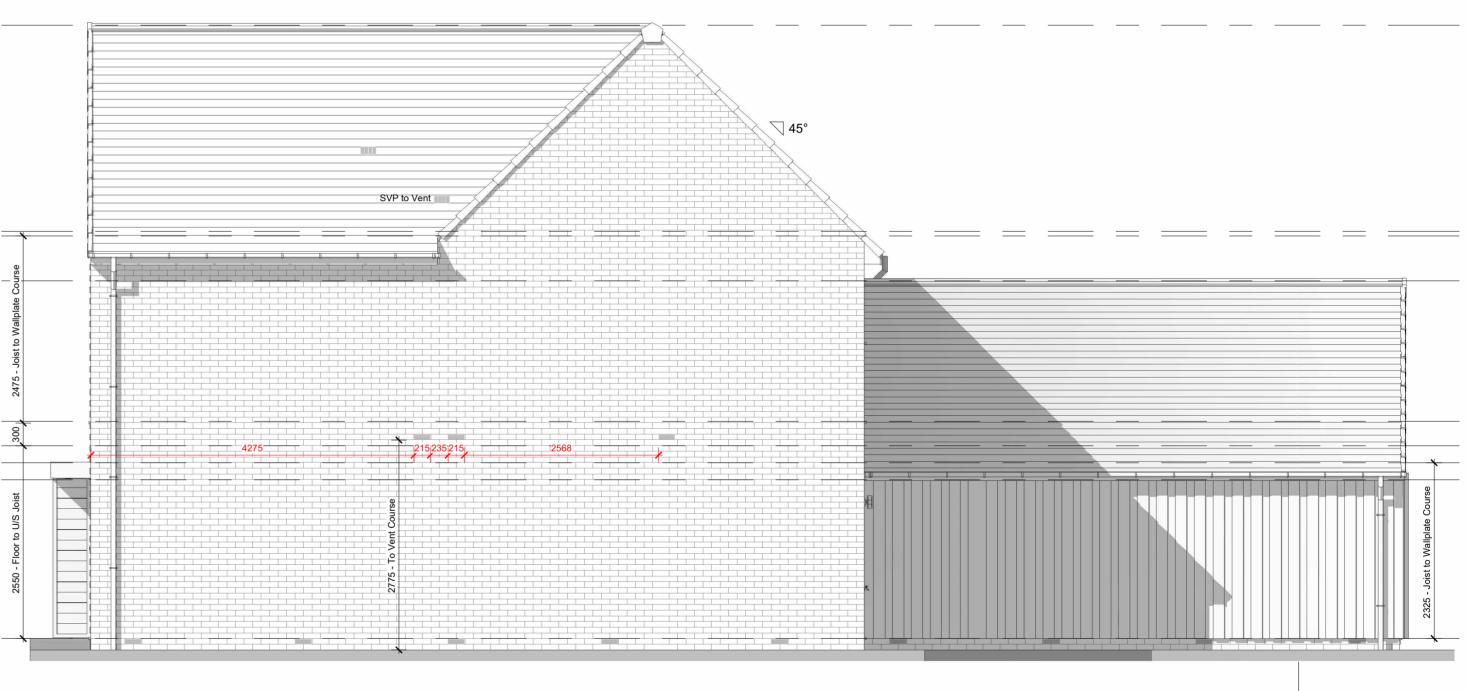
Schedules to be read in conjunction with all project specification documents, floor plans and elevations Structural opening size includes any sidelights

Frame set back is taken from front face of brick

Refer to manufactures information for detailed lintel schedules
All accessible windows and doors to be PAS24 tested to comply with Part Q of building regulations
All dimensions to be checked on site prior to manufacture

Escape from upper storey a maximum of 4.5m above ground level: ALL inner rooms where applicable and all first floor habitable rooms (excluding kitchens) to be provided with an escape window (or external door) which complies with Approved Document B1 Section 2 Paragraph 2.2. Dwellings with one storey more than 4.5m above ground level: A protected stairway should be provided with minimum 30 minute fire resisting construction at all storey's to comply with Approved Document B1 Section 2 Paragraphs 2.5.





343. RHS Elevation

1:50

A General updates as detailed within issue email dated 02.02.2024 - Construction Issue NORTHSTONE CONSTRUCTION Gen2 House Type Portfolio

DRAWING NAME 2205-V3-N (As) **Elevations** 

DRAWING NUMBER DESIGNATION DRAWN BY 2205-340 Design SCALE (@ A1) May 2023 As indicated

Notes:
All dimensions to structure unless otherwise stated.
Drawing to be read in conjunction with Northstone specification & all other project related design information and drawings.
Any discrepancies to be reported to Northstone Technical prior to commencement of works.
All materials and workmanship to be in accordance with current NHBC Technical Standards and Building Regulations.

DO NOT SCALE FROM THIS DRAWING. ALWAYS PRINT IN COLOUR.

MEMBRANE KEY

Damp Proof Course (DPC)

Damp Proof Membrane (DPM)

Roof Underlay
Breather Membrane





351. Section B-B
1:50

