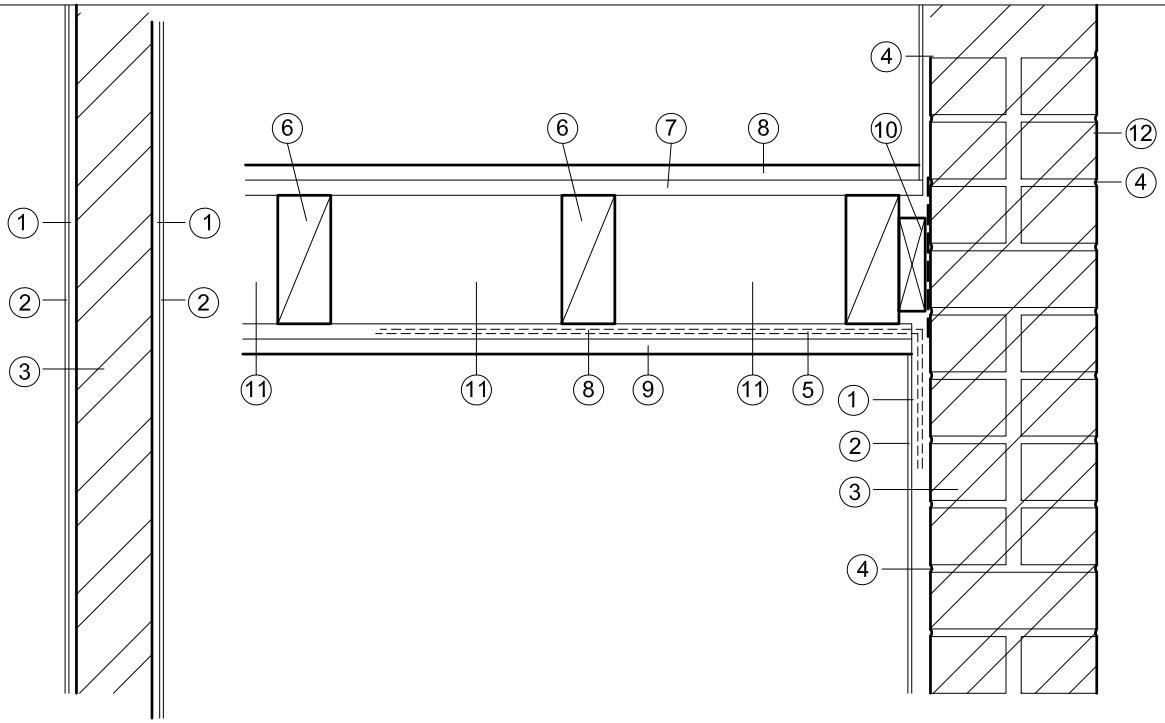


1. Roundtower Insulating plaster NHL2. Lime based plaster
2. Roundtower Supertherm finishing Plaster. Lime based.
3. Existing brick (re-built walls to be reclaimed matching brick).
4. Roundtower NHL Lime mortar. Clean out and repoint all of the bowing wall brickwork to inside and outside faces.
5. Remedial wall ties to invisibly tie existing brick gable. Refer to structural engineers details.
6. Existing Joist
7. Existing floor boards retained and repaired.
8. New layer 15mm structural sheathing ply screwed to joists at every 150mm centres..
9. Plasterboard and skim
10. Packer at strap positions if required.
11. Solid timber joist bracing noggin between all the joist and at 1m centres.
12. Carefully remove render to the gable and front elevation and repoint.

Existing Wall refurbishment details.

INTERNAL PLASTER FINISH TO ALL WALLS.
Replacement internal plaster to all internal walls.
Roundtower Insulating Plaster is a lightweight, highly breathable lime plaster designed to significantly Improve the thermal performance of solid-walled buildings while managing moisture naturally. Acting as a plaster, insulation, and dehumidifier in one, it offers a practical, low-impact solution for both heritage and sustainable construction projects.

Formulated with Natural Hydraulic Lime (NHL 2) and recycled ultra-lightweight mineral aggregates, this plaster combines low strength, high flexibility, and advanced vapour permeability with excellent insulating performance.

- Thermal Conductivity (K-value): 0.095 W/m·K
- Breathable & Vapour Open: Functions like NHL2 render
- Application Thickness: Up to 30mm in a single coat
- Binder: NHL2 with mineral, non-organic additives
- No framing or boards required – direct to wall application

FINISHING PLASTER
Roundtower SuperTherm
Finishing Plaster is a lime-based, breathable finishing coat specifically designed to be applied over Roundtower SuperTherm. It provides a durable, mesh-reinforced surface that helps stabilise the underlying insulating plaster, improves crack resistance, and creates a consistent base ready for mineral finlshes such as silicate paints or breathable decorative coatings.

Applied at approximately 5mm, with a fibreglass mesh embedded (R52 Internal Grade), it delivers a robust, vapour-open “armoured” layer that supports long-term performance while remaining compatible with conservation-led, moisture-aware retrofit and new-build detailing.

POINTING MORTAR
Roundtower NHL
3.5 Coarse is a factory-blended, dry ready-mixed lime mortar made with Natural Hydraulic Lime (NHL 3.5) and a 5mm down coarse kiln-dried sand. Designed for bedding, pointing, and general-purpose masonry, this mortar is also suitable for use as a base render coat, particularly in traditional or breathable construction.
Roundtower NHL 3.5 Coarse combines the strength and breathability of NHL 3.5 with selected additives that enhance workability, extend open time, and reduce shrinkage risk, all while maintaining the essential properties of a cement-free, vapour-open lime mortar.
Key Benefits
- Pre-Mixed for Consistency – 2:5 NHL to coarse sand ratio ensures reliability and performance across bags.
- NHL 3.5 Strength – Suitable for medium-strength applications, including external pointing and bedding.
- Improved Workability – Extended open and finishing times make it ideal for site work.
- No Cement or Synthetic Additives – Breathable and conservation-appropriate.
- Versatile Use – Suitable for new builds, historic masonry, and breathable render systems.
- Eco-Friendly Packaging – Supplied in recyclable 25 kg bags with polythene lining.

PROJECT			CLIENT		PHASE	DATE	REV	DATE	REV
96 Ladybarn Lane Fallowfield.			JH		Planning - PL	26/05/26	-		
PROJECT NO	SITE	PHASE	DWG NO	REV	SCALE / SHEET	28/08/26	a		
188 -	96L -	PL -	AD1	A	1 : 10 / A4				

DRAWING TITLE
Main building Brick wall details

sj simon james /architect