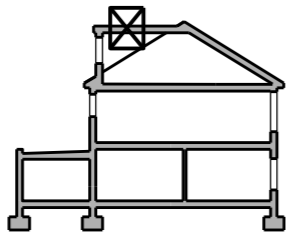






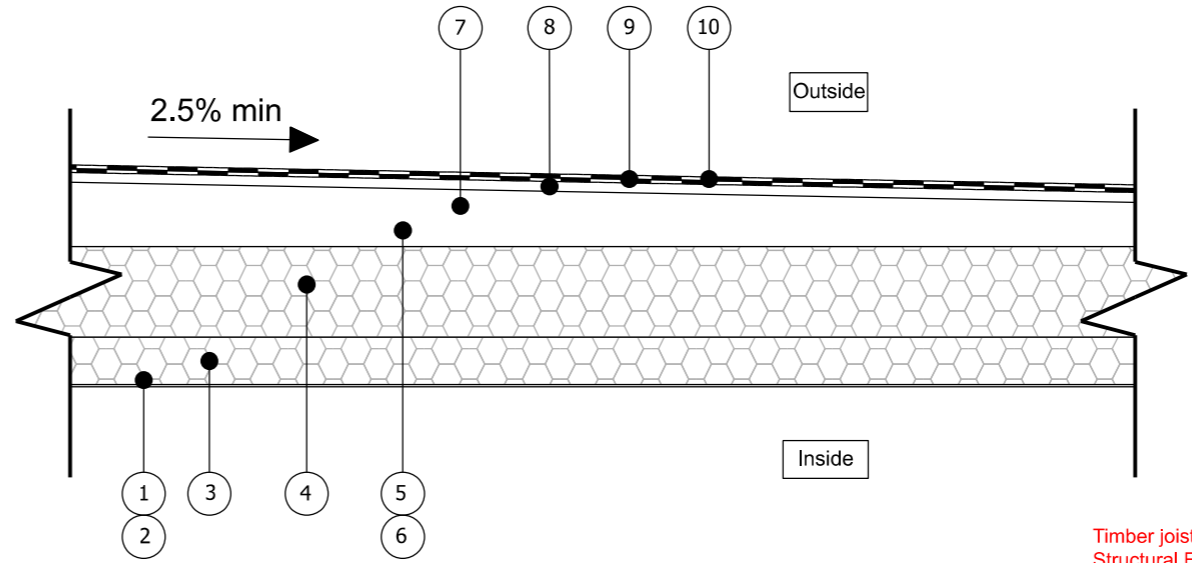
| | | | |
|---------------------------|------------------------------|----------------------------|------------|
| R07 | Dormer cold flat roof | | |
| Detail performance | Units | Minimum requirement | Modelled |
| Airborne Sound Insulation | dB Rw+Ctr | Change of use New Build | n/a n/a |
| Impact Sound Insulation | dB LnTw | Change of use New Build | n/a n/a |
| Thermal Performance | U-value (W/m2K) | <0.15 | 0.14 |
| Fire Resistance | | n/a | n/a |



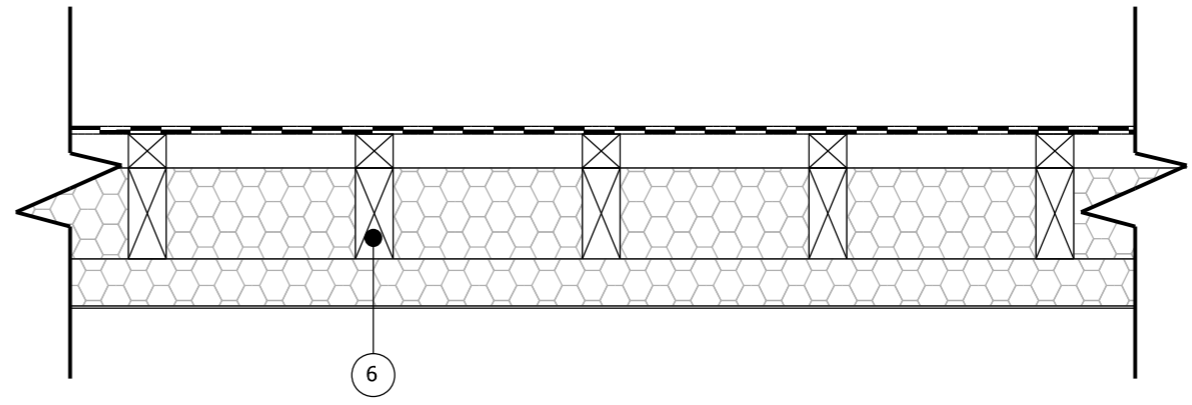
| | Materials Description | Size | Manufacturer | Product Reference |
|----|--|------------|---|-------------------------------|
| 1 | Matt paint finish | n/a | Dulux or acceptable equivalent | Dulux Trade Vinyl Matt |
| 2 | Skim coat plaster | 2 mm | British Gypsum or acceptable equivalent | Thistle BoardFinish |
| 3 | Insulated plasterboard layer | 62.5 mm | Kingspan or acceptable equivalent | Kooltherm K118 62.5mm |
| 4 | Thermal insulation | 120 mm | Kingspan or acceptable equivalent | Kooltherm K107 |
| 5 | Clear Roof Void | 50 mm | n/a | n/a |
| 6 | New timber joists, as per Structural Engineer's specifications | TBC | The Timber Group or acceptable equivalent | |
| 7 | Timber furring to provide waterfall | 2.5% incl. | | |
| 8 | Plywood deck | 18mm | The Timber Group or acceptable equivalent | 18mm 2440x1220 Marine Plywood |
| 9 | Breathable membrane | 0.4mm | Kingspan or acceptable equivalent | Nilvent breathable membrane |
| 10 | Three ply hot bonded mineral felt roofing | | | |

Additional Notes & Specifications

| | | |
|----|---|--|
| 1 | <p>Description : Water based emulsion paint to plastered surfaces. Preparation : Thoroughly clean down the surfaces to remove all dirt, grease and surface contaminants and allow to dry. Composition : Acrylic copolymer. Sheen : Matt. Colour : Refer to the Design Drawings.</p> | |
| 2 | <p>Description : Skim coat plaster. Preparation : Complete 1st and 2nd coat, total thickness for both coats should be a minimum of 2mm. Final trowel to a matt finish (lubricated with minimal water). Composition : Retarded hemihydrate, pre-mixed gypsum plaster. Sheen : n/a Colour : n/a</p> | |
| 3 | <p>Description : Insulated plasterboard layer inclusive of vapour control layer and 12.5mm gypsum based plasterboard. Preparation : To be installed as per manufacturer's specifications. Suitable for both direct adhesive bonding (dot and dab) and mechanically fixed installation. Composition : PIR. Sheen : n/a Colour : n/a</p> | |
| 4 | <p>Description : Fire resistant PIR insulation board Preparation : To be installed as per manufacturer's specifications Composition : PIR board made from Polyisocyanurate rigid core and faced on both sides with low emissivity aluminium foils Sheen : n/a Colour : n/a</p> | |
| 6 | <p>Description : Timber joists, dimensions as per Structural Engineer's specifications Preparation : Composition : Timber Sheen : n/a Colour : n/a</p> |  |
| 7 | <p>Description : Timber furring Preparation : Installed to provide 2.5% inclination Composition : Timber Sheen : n/a Colour : n/a</p> |  |
| 8 | <p>Description : Marine plywood deck Preparation : Installed as per manufacturer's specifications Composition : Timber Sheen : n/a Colour : n/a</p> |  |
| 9 | <p>Description : Breathable membrane Preparation : To be installed as per manufacturer's specifications Composition : 3-layer polyolefin construction Sheen : n/a Colour : n/a</p> |  |
| 10 | <p>Description : Three ply hot bonded mineral felt roofing Preparation : Membrane to fully adhere to insulation Composition : Mineral felt Sheen : n/a Colour : n/a</p> | |



Timber joists dimensions as per Structural Engineer's specifications.



Refer to planning drawings for proposed materials and any applicable planning conditions. Similar performance products may be used. Subject to BCO approval. Contractor to follow manufacturer's instructions and recommendation.

R07 Dormer cold flat roof
1:10@A3

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2. Print out to actual scale. Do not scale drawing use figured dimensions only. All dimensions to be cross-checked on-site by the appointed contractor prior to manufacture and construction
3. Any discrepancies between site and drawings to be reported to the Windsor & Patania Architects immediately.
4. Read in conjunction with all relevant drawings and documentation produced by other consultants
5. All structural elements to be agreed with local authority Building Control prior to commencement of works.
6. Attention is drawn to the provisions of the party wall act 1996. Legal boundaries should be determined by others.
7. All suggested demolition works to be reviewed by a Structural Engineer and to be assessed on site prior to demolition.
8. All areas are approximate and are to be used for indicative purposes only. Areas don't take into account possible variations related to the impact of Site Conditions, Structure, Drainage and M&E.
9. Windsor & Patania Architects accepts no liability for any expense, loss or damage of whatsoever nature and however arising from any variation made to this drawing or in the execution of the work to which relates which has not been referred to them and their approval obtained.
10. Contractors to be responsible for the design and supply of all temporary works (i.e. bracing, propping, showing, tying, etc) and the security, stability, and safety of the building works.

DRAFT-03

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Drawing title
CONSTRUCTION DETAIL

date
SEPTEMBER 2023

drawing number
R07

scale
sheet no.