

Lutterworth Town Council Building

Proposed Sections

143-TAA-XX-ZZ-DR-A-6100 T02

Key

- EW1

EXTERNAL WALL TYPE EW1

Maximum Regulatory U-Value: **0.26 W/(m².K)**

Maximum Target U-Value: **0.18 W/(m².K)**

20mm K-Rend Roughcast Render - *Refer to NBS M20.*

100mm Thermalite Dense Block (SE to confirm strength).

50mm Cavity Air Gap.

75mm Celotex CW4000 PIR Insulation - *Refer to NBS F30.*

100mm Thermalite Dense Block (SE to confirm strength).

10mm Dot & Dab.

12.5mm Gyproc Wallboard.

5mm One Coat Plaster Skim Finish.

372.5mm Total Thickness
- R1

ROOF TYPE R1

Proposed New Roof to match Existing:

Existing Roof Build-up to be investigated before any works commence:

Maximum Target U-Value: **0.18 W/(m².K)**

Assumed Existing Flat Roof Build-up:

1mm BBA Approved Single Ply Membrane - *Refer to NBS J42.*

18mm OSB Board

1mm Vapour Control Layer

TBC Joists to SE Design.

TBC Insulation between Joists, to be designed by specialist.

47.5mm Total Thickness

197.5mm Total Thickness (Assumed with 150mm Joists)
- R2

BESPOKE CORNICE DETAIL

Allowance to be made for a bespoke three tier cornice detail to wrap around proposed flat roof.
- R3

GREEN ROOF CANOPY

Calculated Target U-Value: **N/a W/(m².K)**

28mm BauderGreen XF 301 Vegetation

20mm BauderGreen SDF Drainage Mat

1.5mm Bauder THERMOPLAN T 15

18mm OSB Water Resistant Board

100mm Celotex TB4000 (Between rafters)

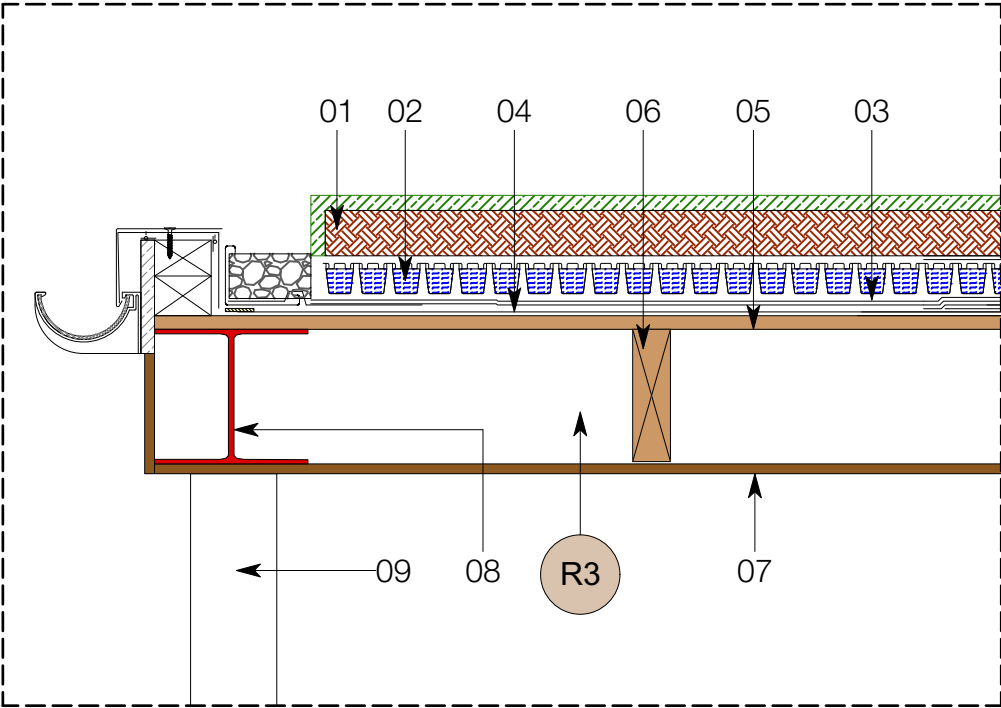
TBC Joists

(Specified by Sub-Contractor)

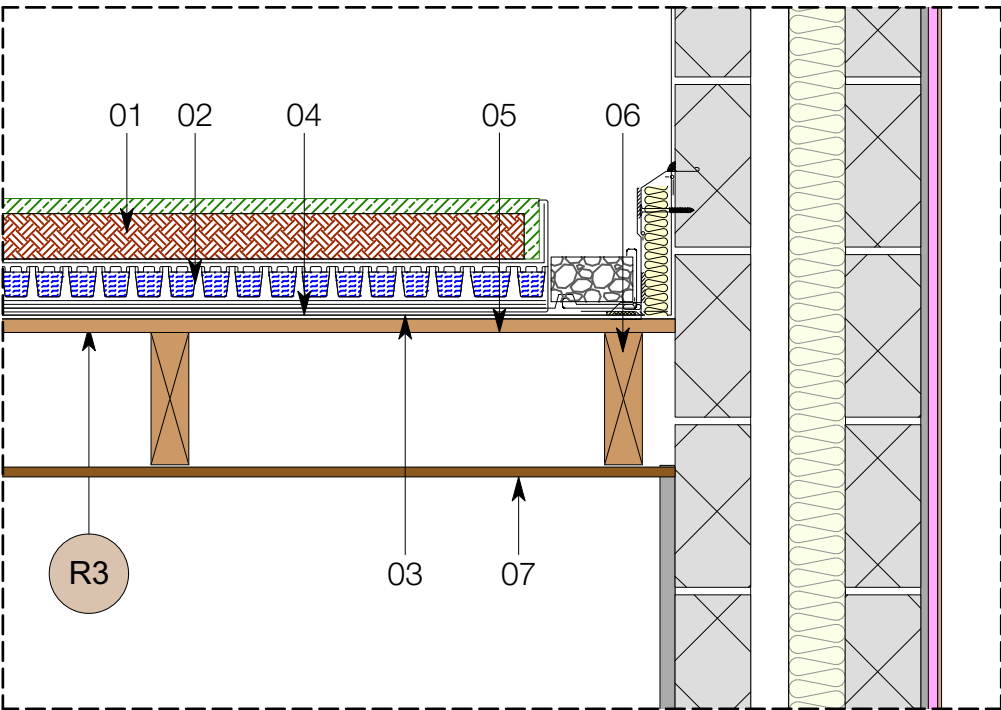
1mm Breather Membrane

168.5mm Total Thickness

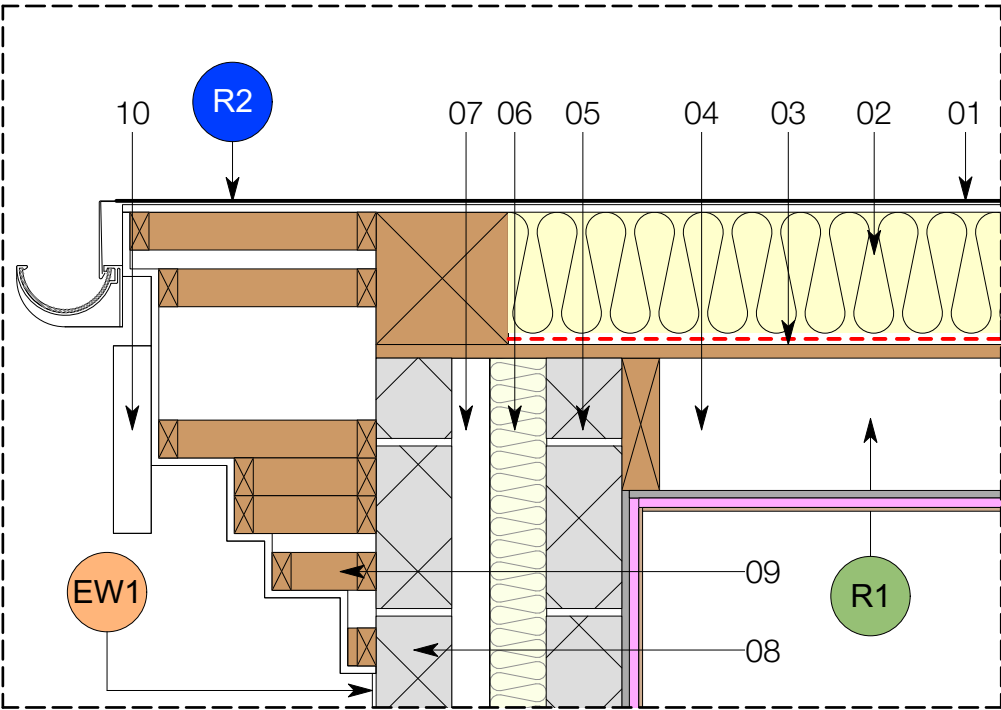
New proposed singly ply roof membrane to align with existing flat roof. Existing flat roof build-up tbc on site.



D-01 Proposed Green Canopy Eaves Detail
Scale: 1:10



D-02 Proposed Green Canopy Perimeter Detail
Scale: 1:10

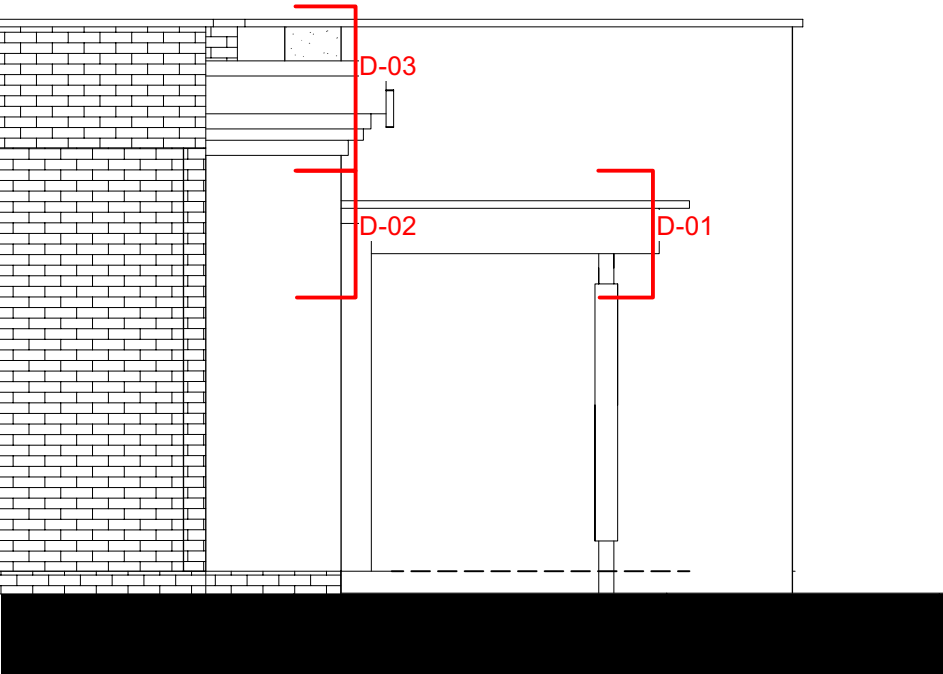


D-03 Proposed Roof, Wall & Fascia Detail
Scale: 1:10

01. - 28mm - BauderGreen XF 301 Vegetation
02. - 20mm - BauderGreen SDF Drainage Mat
03. - 1.5mm - Bauder THERMOPLAN T 15
04. - 1mm - Vapour Control Layer
05. - 18mm - OSB Water Resistant Board
06. - 175mm - Rafters tbc by SE for weight of green roof loading.
07. - Standing Seam Soffit Finish by Axalta (Ash&Lacy)
- 08 - Steel Canopy Beam, as specified by SE.
- 09 - Steel Canopy Column, as specified by SE.

01. - 28mm - BauderGreen XF 301 Vegetation
02. - 20mm - BauderGreen SDF Drainage Mat
03. - 1.5mm - Bauder THERMOPLAN T 15
04. - 1mm - Vapour Control Layer
05. - 18mm - OSB Water Resistant Board
06. - 175mm - Rafters
07. - Standing Seam Soffit Finish by Axalta (Ash&Lacy)

01. - BBA approved Single Ply Roof Membrane.
02. - Insulation type and thickness **TBC** - To achieve a maximum U-value of 0.18W/msqK.
03. - 18mm - OSB Water Resistant Board
04. - Joists to SE Design.
05. - 100mm - Thermalite Dense Block (SE to confirm strength)
06. - 75mm - Celotex CW4000 PIR Insulation
07. - 50mm - Cavity Air Gap
- 08 - 100mm - Thermalite Dense Block (SE to confirm strength)
- 09 - Bespoke Built Timber Frame to shape Fascia Boards
- 10 - Lutterworth Town Council Sign. Manufacturer **TBC**.



1 Side Elevation
Scale: 1:50

Notes:

This drawing is to be read in conjunction with all other consultants and specialist sub-contractors' drawings, throughout design, tender & construction. All structural and MEP information shown on these drawings is based on structural & MEP philosophy & is to be fully designed, detailed & dimensioned by others.

All specified manufacturers are 'or equal & approved' whether stated or not. Any equivalent product or manufacturer must be approved in writing by the Contract Administrator and Principal Designer before use. All drawings are to be read in conjunction with project specific National Building Specification.

The main contractor is responsible for checking all dimensions prior to commencement of work. Any discrepancies discovered must be reported to the Contract Administrator as soon as they become apparent.

Suitable for Tender - S1

T02 17/11/2023 Wall and roof details revised SD

T01 09/11/23 Initial issue SD

Rev	Date	Revision Details	Author
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TIM ADAMS ARCHITECTS

Client	Lutterworth Town Council
Job	Lutterworth Town Council Building
Title	Proposed Sections

Drawn	Date	Checked	Date
SD	Sep 2023	TA	Sep 2023
Scale	1:50	Size	A2
Drawing Number		Revision	
143-TAA-XX-ZZ-DR-A-6100		T02	

Status & Purpose For Issue	Status
Suitable for Tender	S1

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