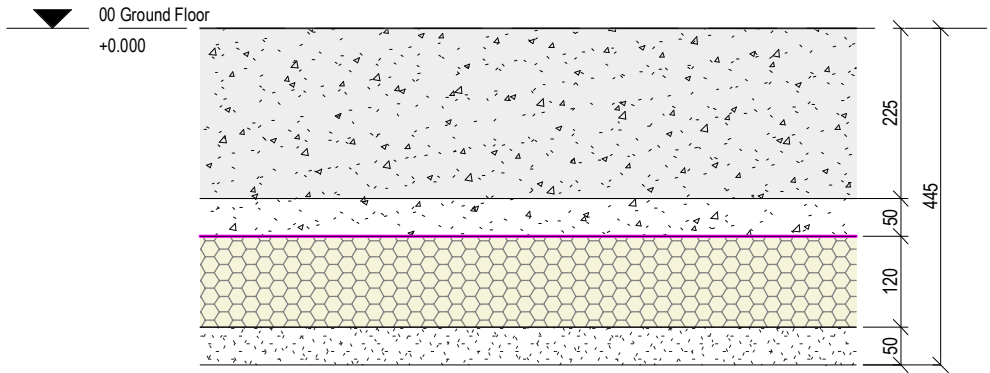


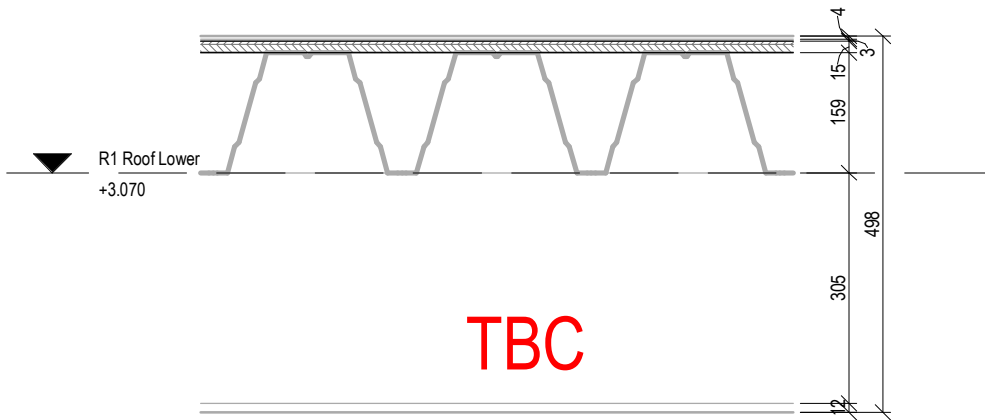
Ground Floor Build Up



Ground Floor - 0.1 W/m².K

225mm Reinforced concrete suspended slab as Structural Engineer's information
50mm Concrete blinding as Structural Engineer's information
J40/140 Visqueen Radon R400 Membrane
E20/200 120mm Kooltherm K103 Insulation
50mm Sand blinding as Structural Engineers information

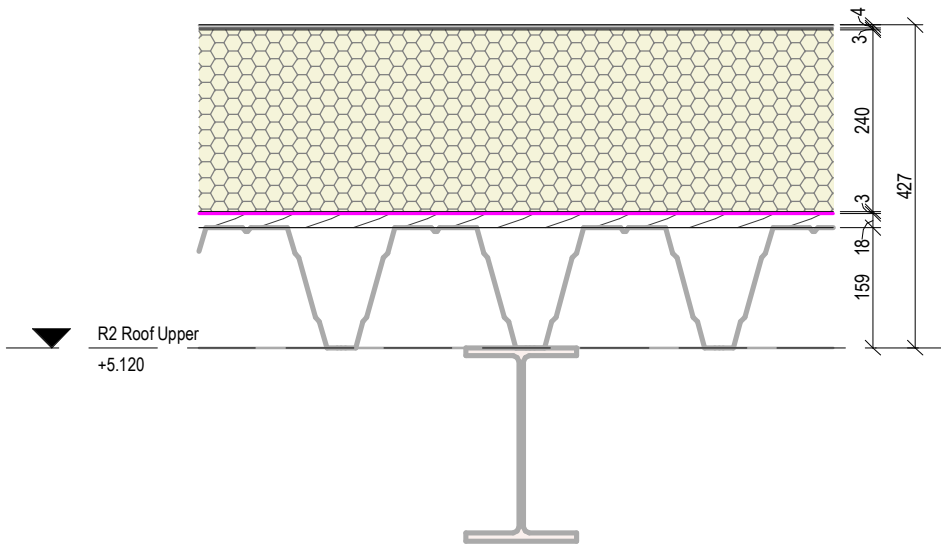
Roof Canopy Build Up



Cantilever Canopy

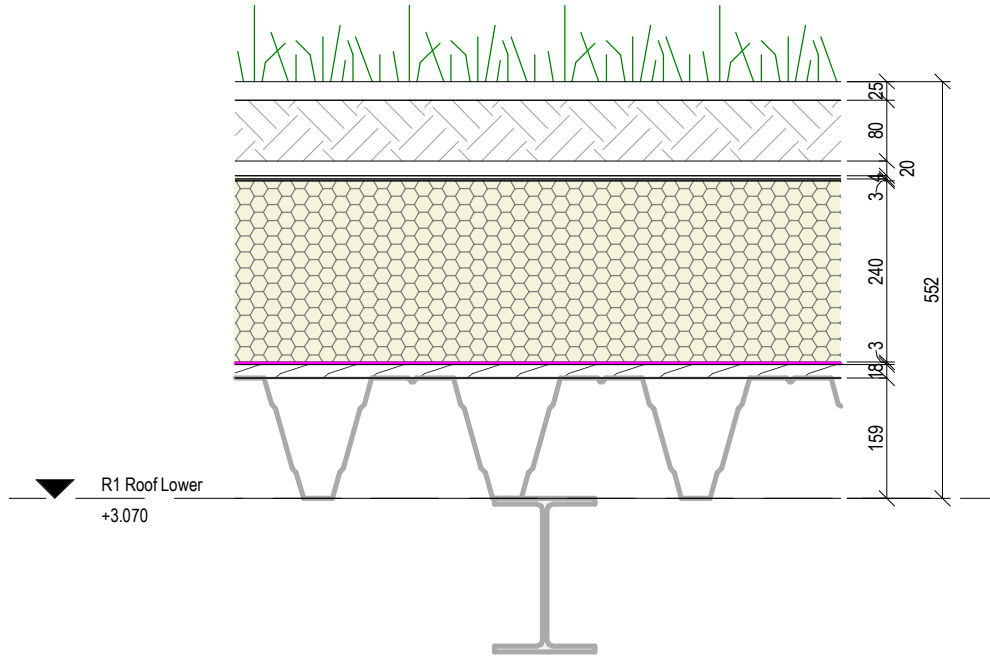
J41/400 4mm Force 4000 S capsheet
J41/400 2.6mm Hyranger Spot ADH bitumen membrane
15mm plyboard
Roofdeck to Structural Engineer's information
Steelwork to Structural Engineer's information
PPC aluminium soffit

Roof Build Ups



Roof Type 1 Warm Roof - 0.1 W/m².K

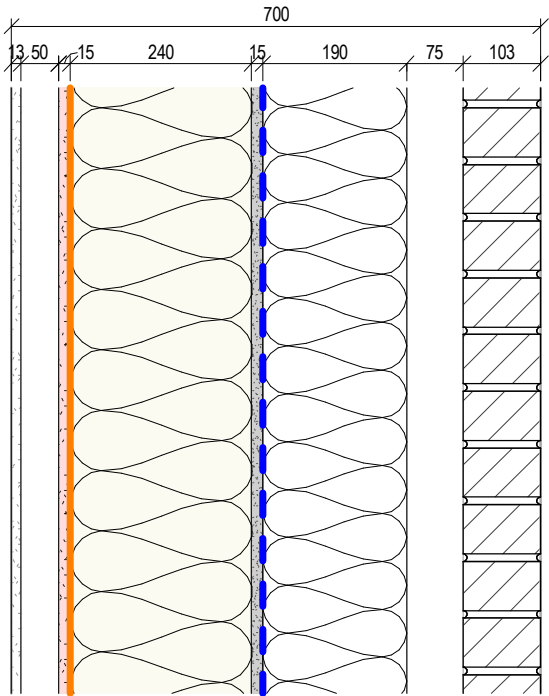
J41/400 4mm Force 4000 S capsheet
J41/400 2.6mm Hyranger Spot ADH bitumen membrane
J41/420 240mm Hytherm ADH PIR tapered insulation
J41/395 Vapour control layer
18mm plywood deck
Profiled metal deck to Structural Engineer's design
Steelwork to Structural Engineer's design



Roof Type 2 Green Roof - 0.1 W/m².K

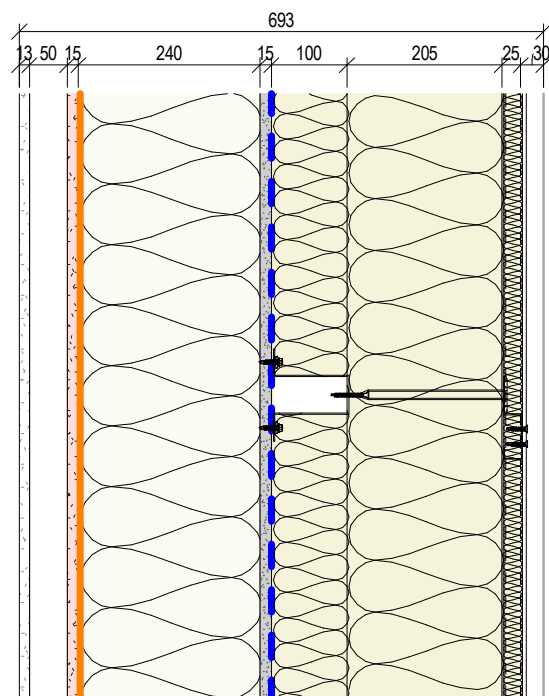
Q37/400A 25mm Mixed Sedum vegetation blanket
Q37/390 80mm Hydrosol Sedum
Q37/340A 20mm Hydrodrain 20
J41/400 4mm Force 4000 S capsheet
J41/400 2.6mm Hyranger Spot ADH bitumen membrane
J41/420 240mm Hytherm ADH PIR tapered insulation
J41/395 Vapour control layer
18mm plywood deck
Profiled metal deck to Structural Engineer's design
Steelwork to Structural Engineer's design

External Wall Build Ups



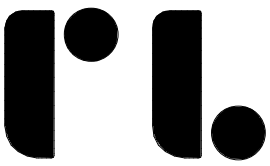
External Wall Type 1 Facing Brickwork - 0.1 W/m².K

K10/185 12.5mm plasterboard
Independent Wall Lining
K10/186 15mm Fireline plasterboard
P10/310 Vapour control layer
P10/190 240mm SFS Zone with full fill insulation
K10/415 15mm external wall lining sheathing board
P10/320 Breather membrane air tightness layer
P10/217 190mm mineral wool cavity insulation
75mm clear cavity
F10/110 102.5mm facing brickwork (lbstock Kensey)



External Wall Type 2 Standing Seam - 0.1 W/m².K

K10/185 12.5mm plasterboard
Independent Wall Lining
K10/186 15mm Fireline plasterboard
P10/310 Vapour control layer
P10/190 240mm SFS Zone with full fill insulation
K10/415 15mm external wall lining sheathing board
P10/320 Breather membrane air tightness layer
H31/120 100mm Tophat with 100mm RocSlab insulation
H31/120 205mm RocSlab insulation with stainless steel fixings
H31/120 25mm RocBar and 25mm Rocslab fixed at 660mm centres
H31/120 Vieo external sheet and clips



Roberts Limbrick

03333 405 500
mail@robertslimbrick.com
robertslimbrick.com

Registered Office: England No. 06658029

Project Name

Ysgol Rhyd Y Grug

Client Name

Merthyr Tydfil County Borough Council

Drawing Title

Elemental Build Ups

Scale	Project No.
1 : 10 • A2	11777

Status	Purpose Of Issue
A4	Issued for Tender

Project	Org	Vol	Level	Form	Role
RYG	• RL	• 02	• ZZ	• DR	• A

Number	Revision
20301	C01