

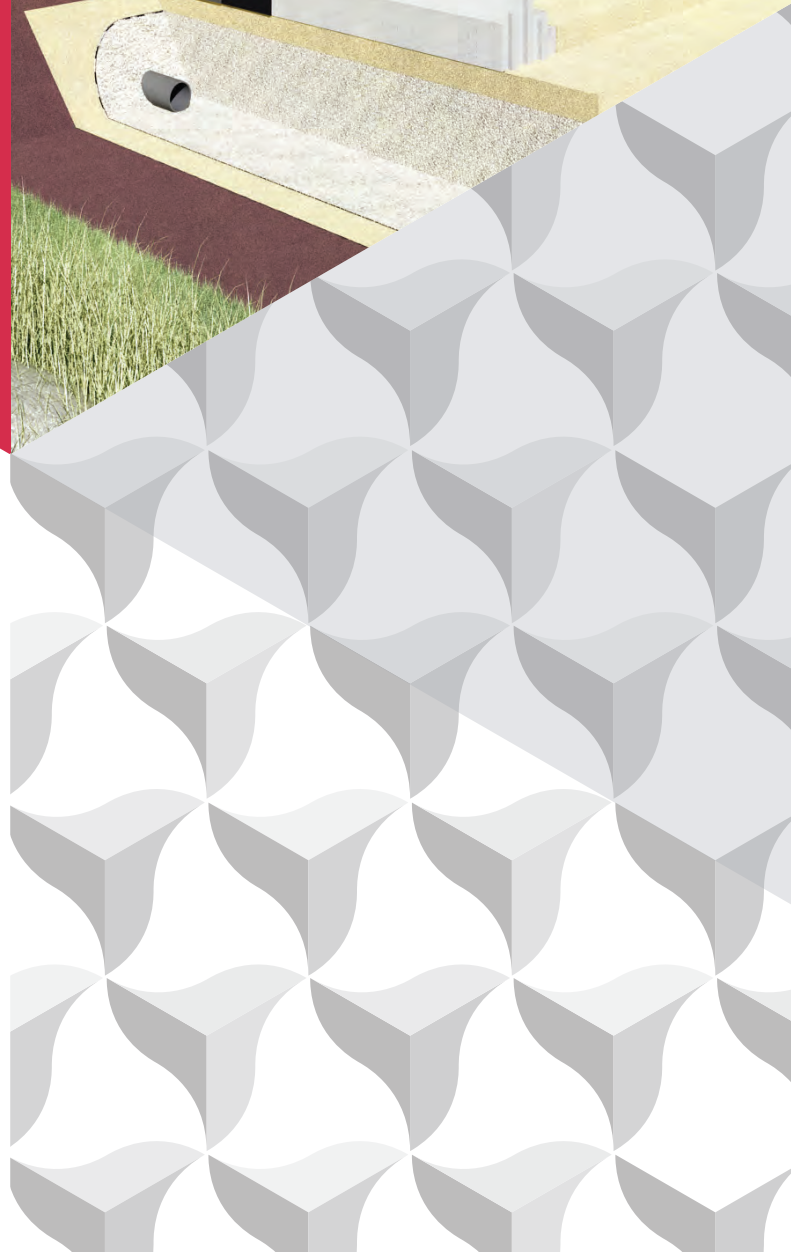
So good, even
mother nature
would approve...

Standard Details



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THE INTELLIGENT BUILDING SYSTEM

INSULATED CONCRETE FORMWORK (ICF)



12mm Plasterboard on 25 x 50mm timber battens fixed to concrete core at 600mm centres with perimeter grounds fixed to top and bottom of external and party walls.

Skirting as specified fixed through plasterboard to timber grounds with two number 50mm finishing nails at 600mm centres

25mm self levelling concrete screed to top of slab

Spantherm pre-insulated concrete slab as per Creagh Concrete design

insulation to bottom of slab

1200 gauge polythene dpm turned up at edge of concrete slab

Solum to be filled to underside of slab with well compacted inert material and blinded with sand to leave no air space

12mm re-bar at 1500mm centres installed at day joints between separate lifts of blockwork

350mm wide izodom insulated concrete formwork

Polymer render applied as per manufacturers recommendations in at least two coats with full mesh reinforcement bedded in base coat.

Izodom MHD1_10, MCFU1_15 and MH1_25 riser sections adjacent to slab edge to accommodate 350mm rise.

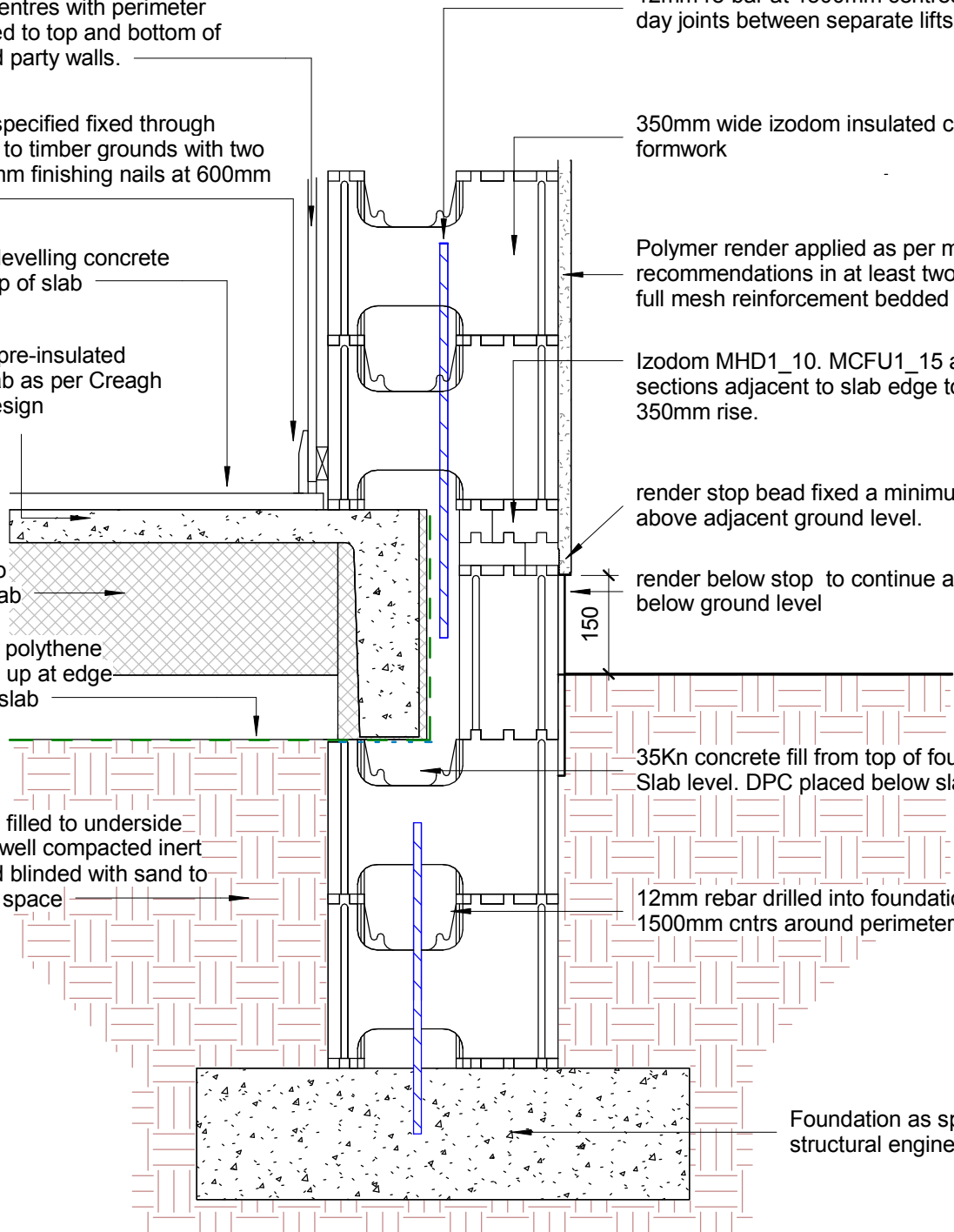
render stop bead fixed a minimum of 150mm above adjacent ground level.

render below stop to continue at least 150mm below ground level

35Kn concrete fill from top of foundation to Slab level. DPC placed below slab edge.

12mm rebar drilled into foundation at 1500mm cntrs around perimeter


Foundation as specified by structural engineer.



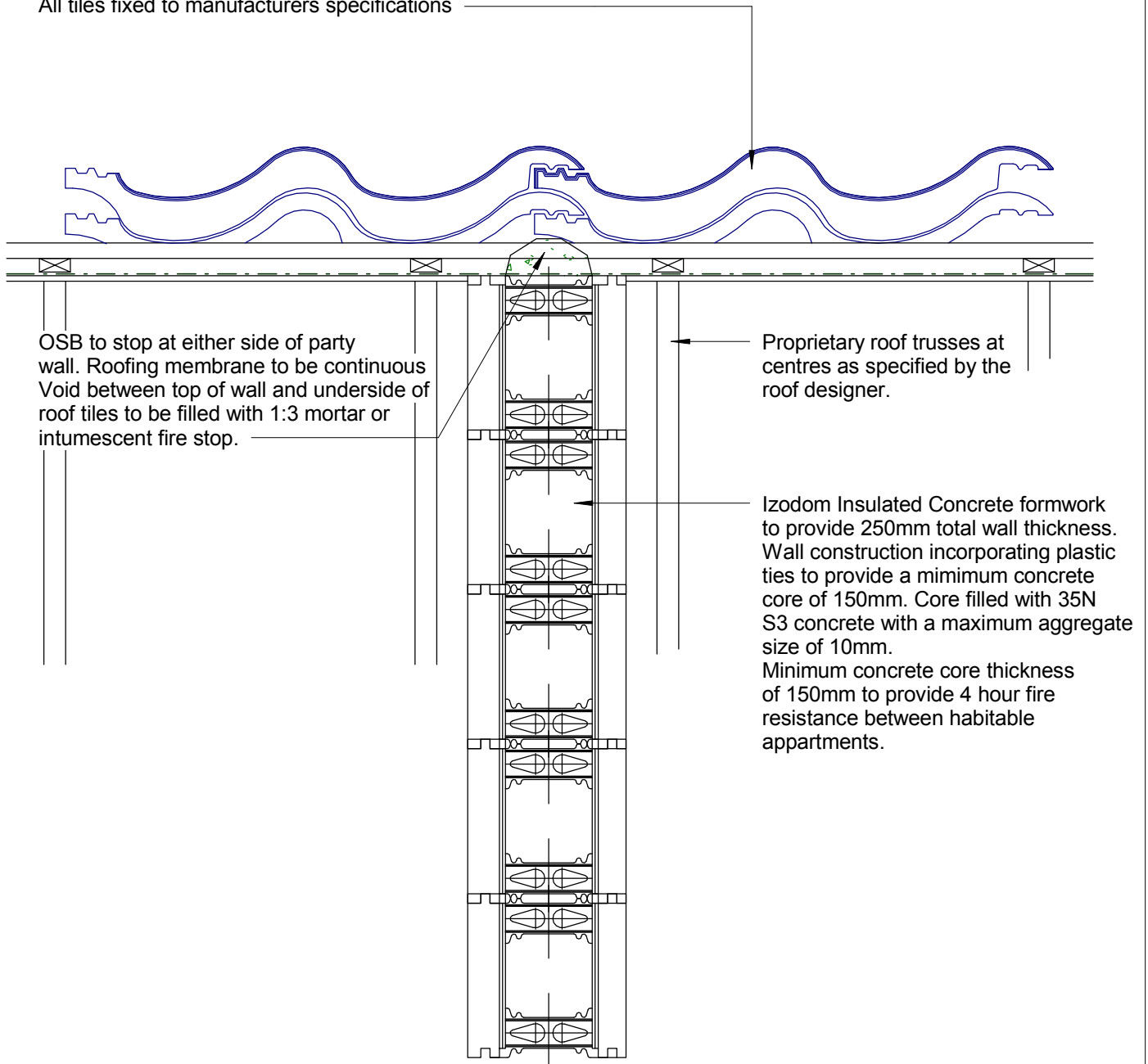
1

Junction of Spantherm with O/S Wall

1 : 10

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	Residential Development	Oaktree Housing Association			
	SHEET	Date	Project Number	Scale (@ A4)	REV
	Junction between Spantherm and External Wall	Nov 2014	-	1 : 10	-
	Drawn by	DRAWING NUMBER			
	CFM	D100			
	Checked by				
	-				

Marley Mendip Concrete Interlocking roof tile on 25 x 50mm treated SW tiling battens at centres to suit roof pitch and exposure on 22 x 50mm counter battens on BBA Certified breathable and vapour permeable roofing membrane or felt to BS EN 130707 on 9mm Type 3 OSB. All tiles fixed to manufacturers specifications



1

Party Wall - Wall head Section

1 : 10



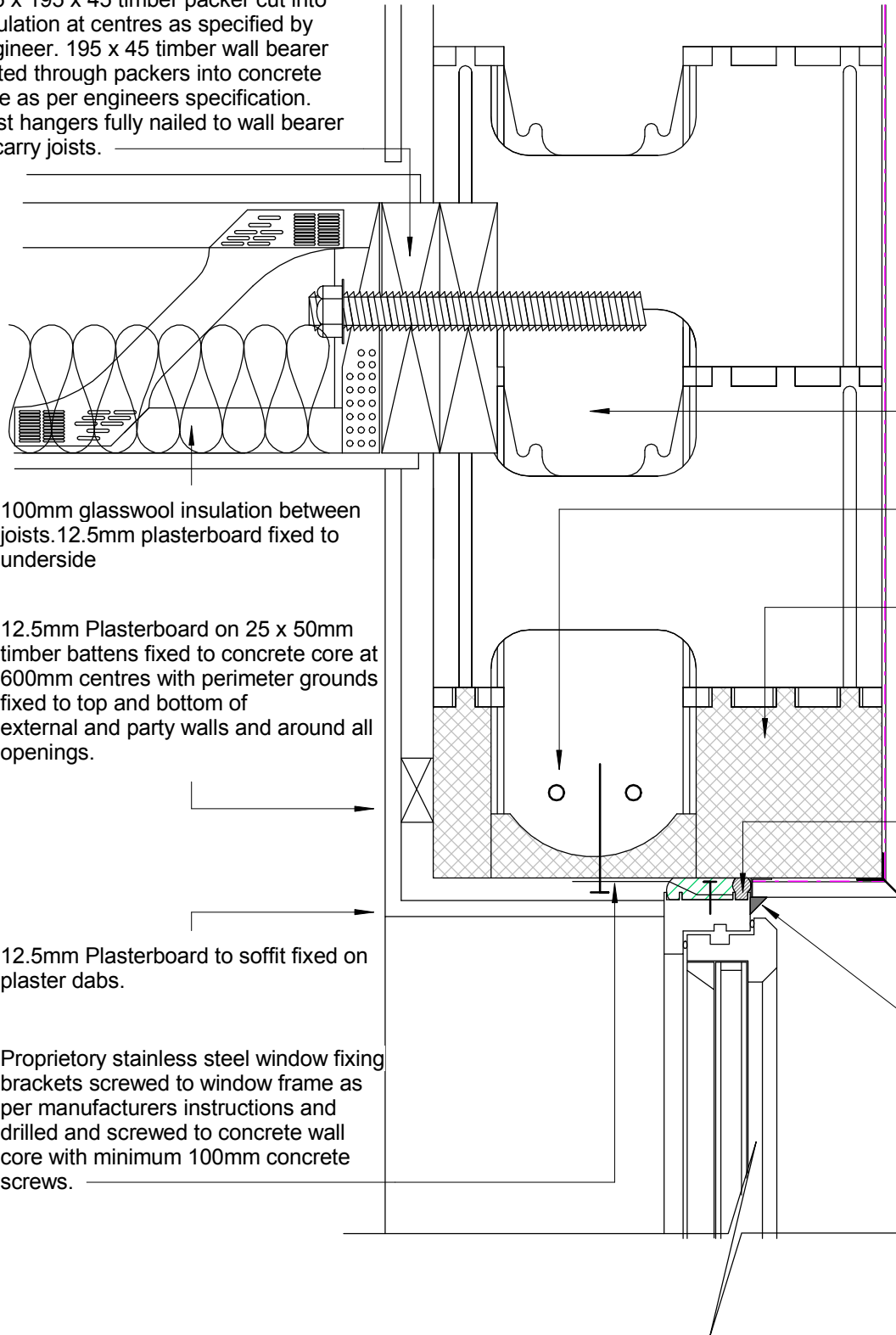
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PROJECT	Residential Development
SHEET	Junction Detail at Head of Party Wall with Roof

CLIENT			
Mr S. McRoberts			
Date	Project Number	Scale (@ A4)	REV
14-9-14	-	1 : 10	
Drawn by	DRAWING NUMBER		
CFM	D108		
Checked by			
-			

195 x 195 x 45 timber packer cut into insulation at centres as specified by engineer. 195 x 45 timber wall bearer bolted through packers into concrete core as per engineers specification. Joist hangers fully nailed to wall bearer to carry joists.



Polymer render applied as per manufacturers recommendations in at least two coats with full mesh reinforcement fully bedded in base coat.

150mm concrete core to Izodom ICF Blockwork

100mm glasswool insulation between joists. 12.5mm plasterboard fixed to underside

Re-bar reinforcement to window lintols as per engineers specification

12.5mm Plasterboard on 25 x 50mm timber battens fixed to concrete core at 600mm centres with perimeter grounds fixed to top and bottom of external and party walls and around all openings.

Izodom adjustable height lintol component

12.5mm Plasterboard to soffit fixed on plaster dabs.

After installation of window entire perimeter of frame and cill to be fully sealed with gun applied low modulus non sagging polymer sealant such as Tremco 525 or equal. Void behind sealant to be filled with waterproof air barrier expanding foam

Proprietary stainless steel window fixing brackets screwed to window frame as per manufacturers instructions and drilled and screwed to concrete wall core with minimum 100mm concrete screws.

Tremco FA120(or equal) low modulus silicon bead to junction of window frame and cill with external render.

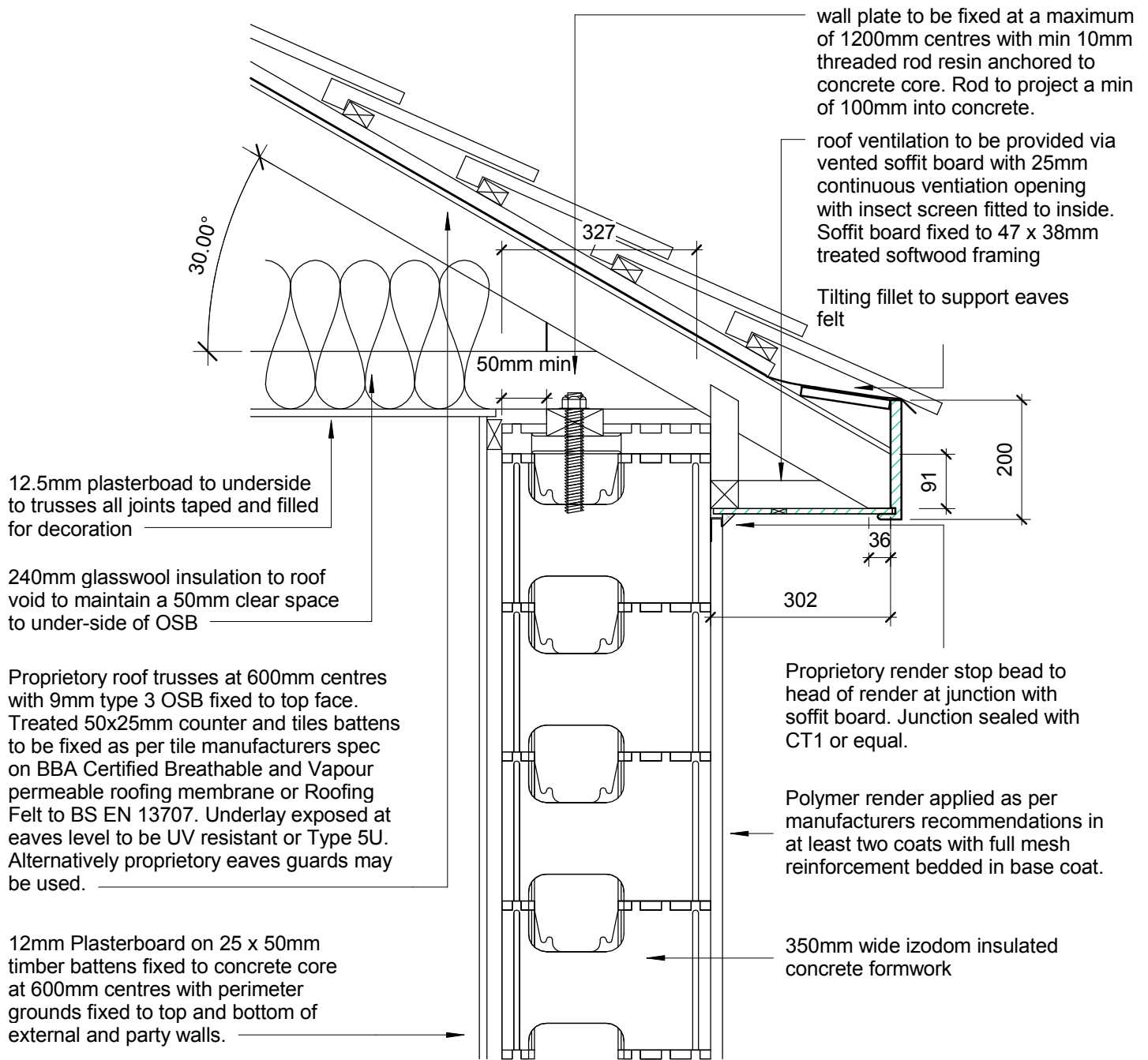
1 Window / Door Lintol - Adjustable

1 : 5

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PROJECT	Residential Development
SHEET	Window / Door Lintol - Adjustable


CLIENT	Mr S. McRoberts		
Date	14-9-14	Project Number	-
		Scale (@ A4)	1 : 5
Drawn by	CFM	DRAWING NUMBER	
Checked by	-	D107	

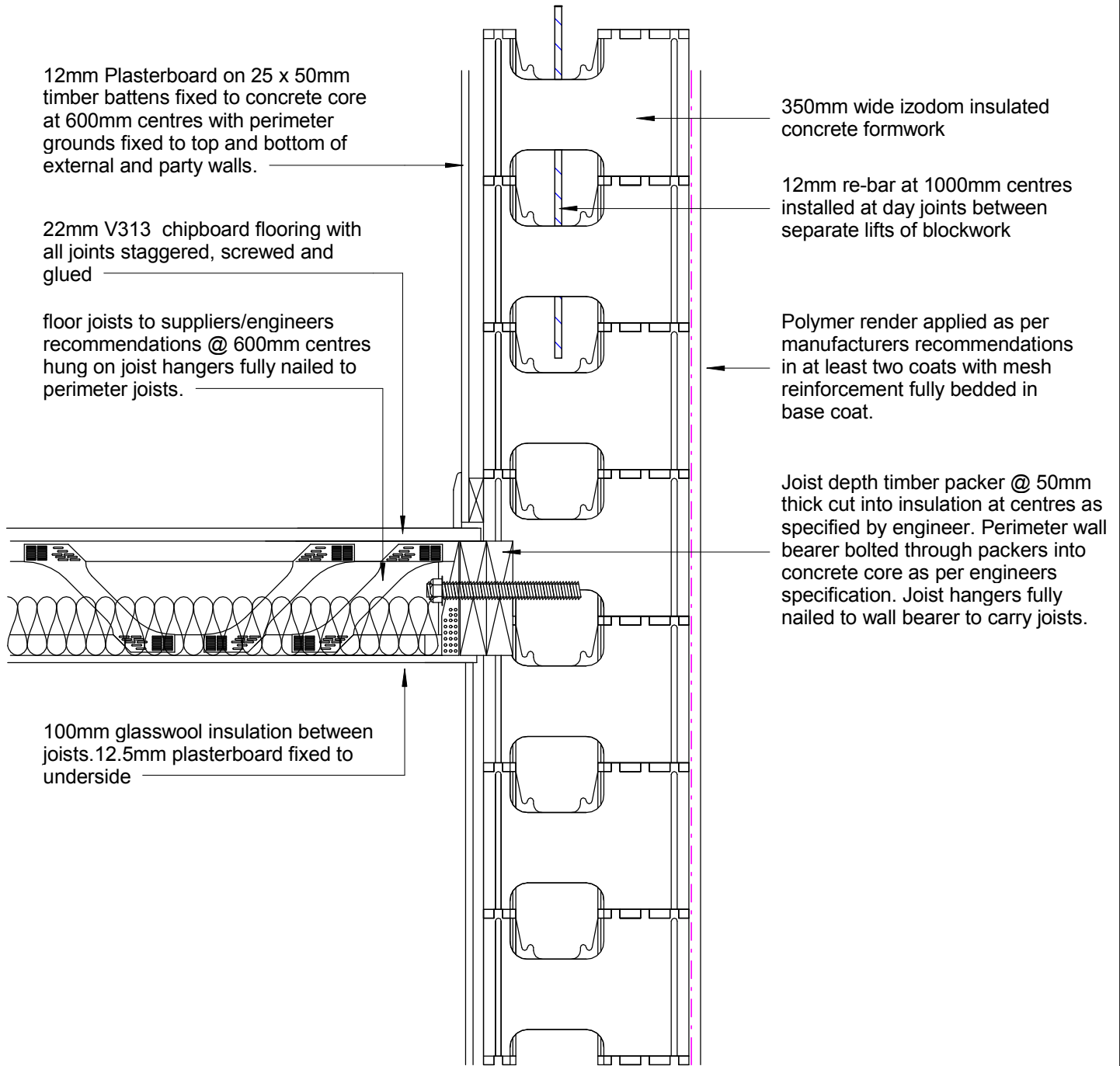


1

Eaves Detail 30deg Truss

1 : 10

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	<p>SHEET Eaves Detail</p>	<p>Date 14-9-14</p>	<p>Project Number -</p>	<p>Scale (@ A4) 1 : 10</p>	<p>REV</p>
		<p>Drawn by CFM</p>			
		<p>Checked by -</p>			
		<p>DRAWING NUMBER D106</p>			



12mm Plasterboard on 25 x 50mm timber battens fixed to concrete core at 600mm centres with perimeter grounds fixed to top and bottom of external and party walls.

22mm V313 chipboard flooring with all joints staggered, screwed and glued

floor joists to suppliers/engineers recommendations @ 600mm centres hung on joist hangers fully nailed to perimeter joists.

350mm wide izodom insulated concrete formwork

12mm re-bar at 1000mm centres installed at day joints between separate lifts of blockwork

Polymer render applied as per manufacturers recommendations in at least two coats with mesh reinforcement fully bedded in base coat.

Joist depth timber packer @ 50mm thick cut into insulation at centres as specified by engineer. Perimeter wall bearer bolted through packers into concrete core as per engineers specification. Joist hangers fully nailed to wall bearer to carry joists.

100mm glasswool insulation between joists. 12.5mm plasterboard fixed to underside



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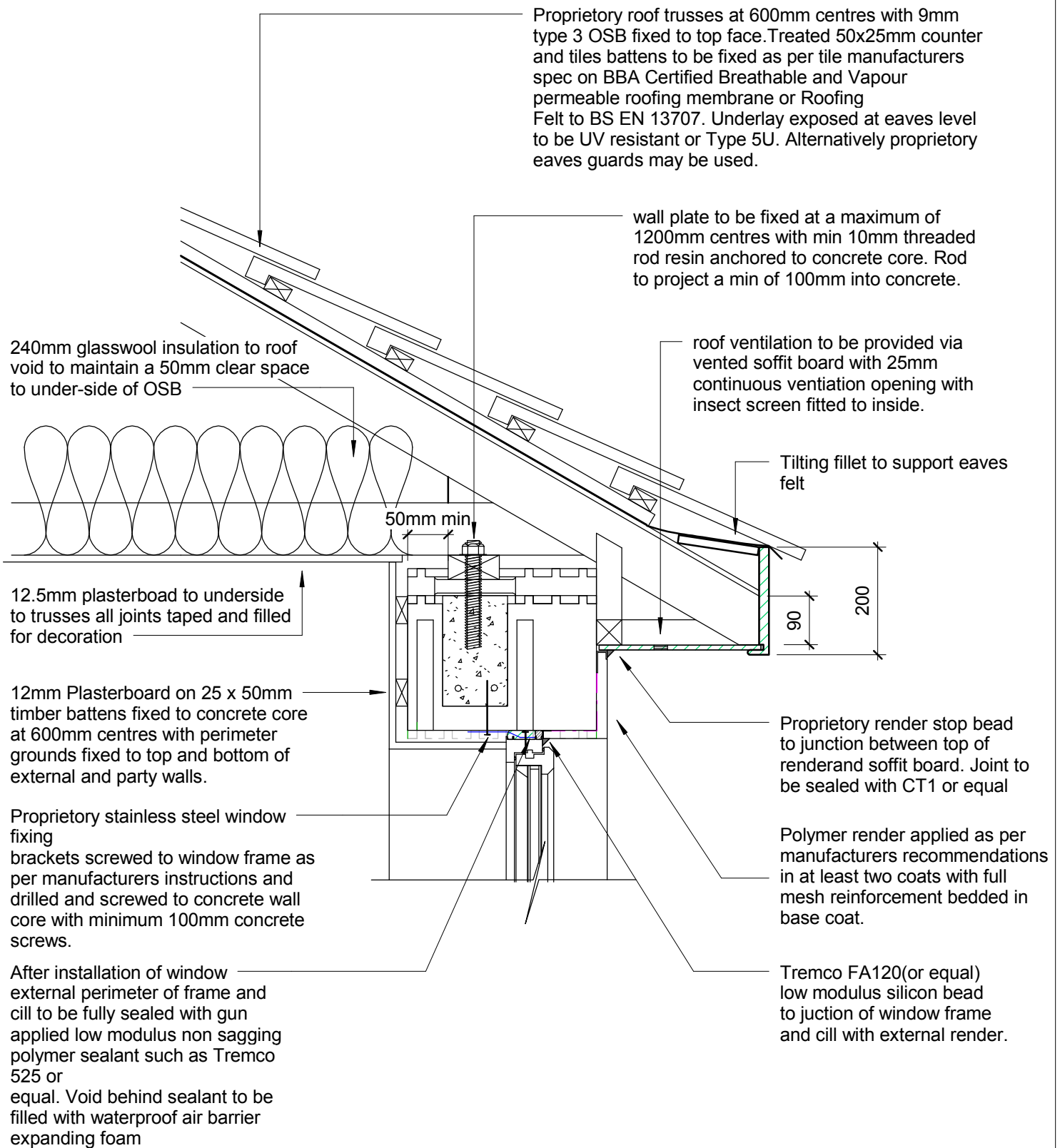
PROJECT
Residential Development

SHEET
Mid-Floor Posi Joist Detail

CLIENT
Mr S. McRoberts

Date 14-9-14	Project Number -	Scale (@ A4) 1 : 10	REV
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Drawn by CFM	DRAWING NUMBER D104
Checked by -	



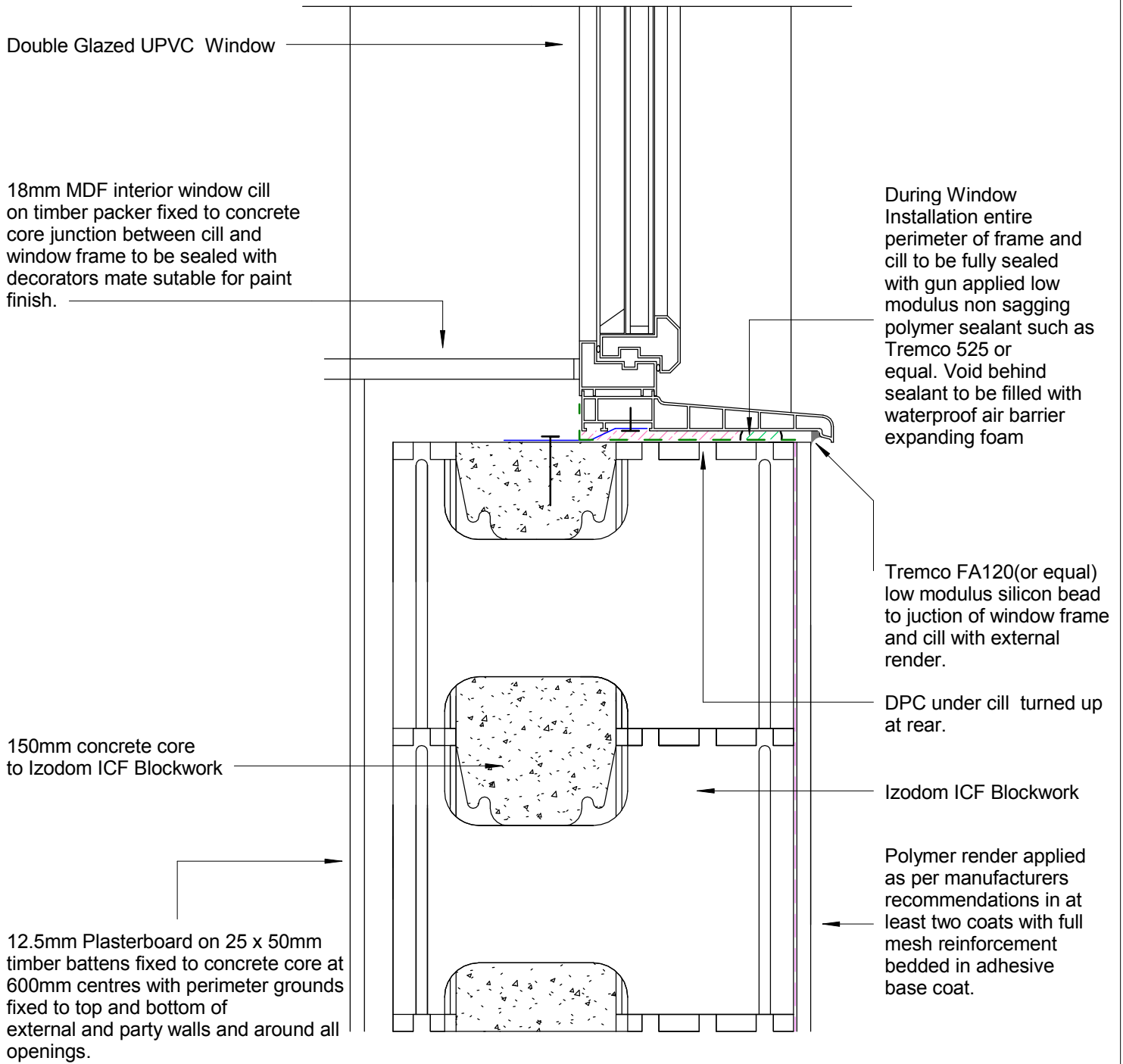
1 Window Lintol at Eaves

1 : 10

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PROJECT	Residential Development
SHEET	Typical Eaves / Lintol Detail

CLIENT			
Mr S. McRoberts			
Date	Project Number	Scale (@ A4)	REV
14-9-14	-	1 : 10	
Drawn by	DRAWING NUMBER		
CFM	D102		
Checked by	-		



1

Typical Cill Detail

1 : 5



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PROJECT	Residential Development
SHEET	Typical Cill Detail

CLIENT			
Mr S. McRoberts			
Date	Project Number	Scale (@ A4)	REV
14-9-14	-	1 : 5	
Drawn by	DRAWING NUMBER		
CFM	D101		
Checked by			
-			

12mm Plasterboard on 25 x 50mm timber battens fixed to concrete core at 600mm centres with perimeter grounds fixed to top and bottom of external and party walls.

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25mm self levelling concrete screed to top of slab

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Izodom MHD1_10, MCFU1_15 and MH1_25 riser sections adjacent to slab edge to accommodate 350mm rise.

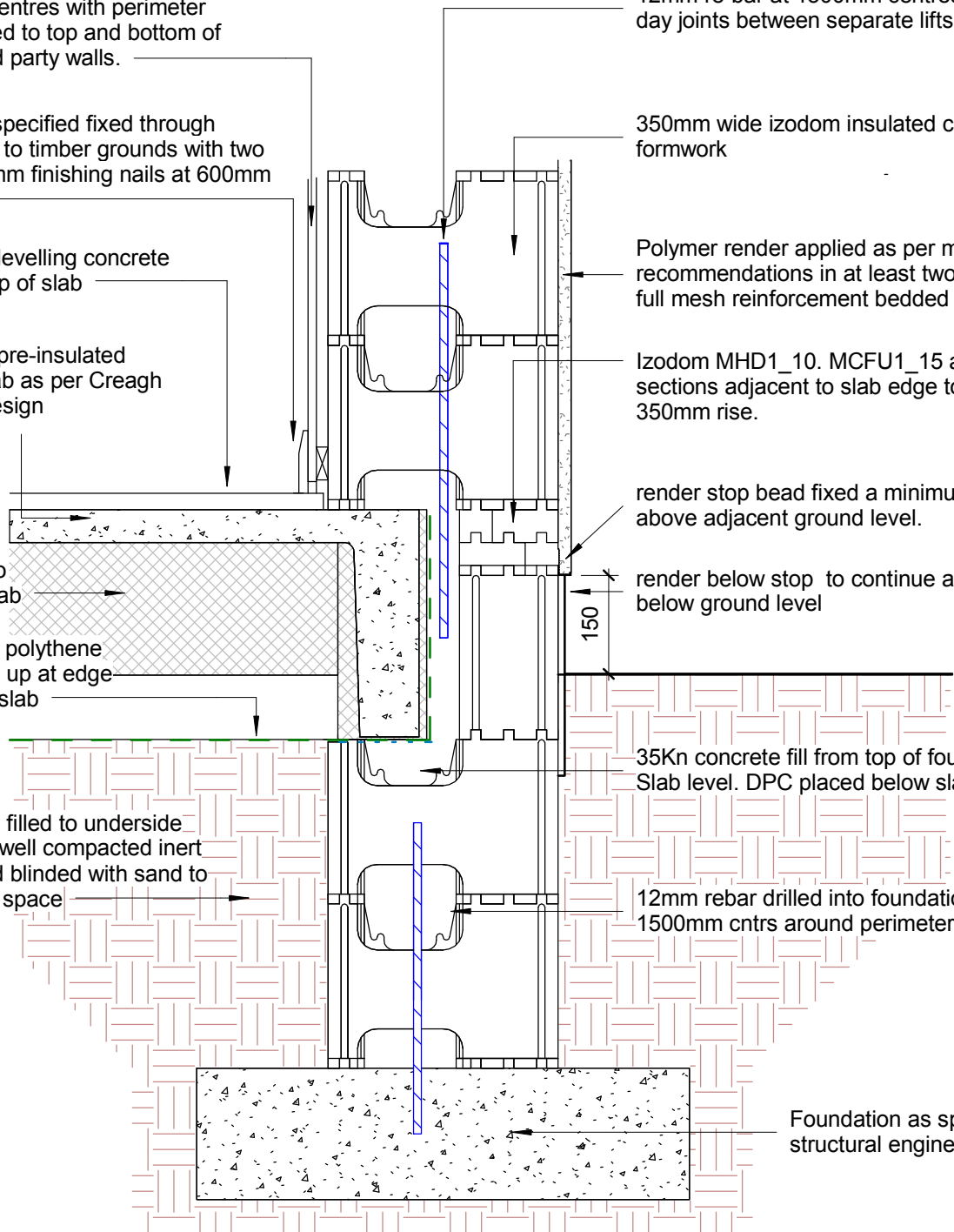
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Foundation as specified by structural engineer.



1

Junction of Spantherm with O/S Wall

1 : 10

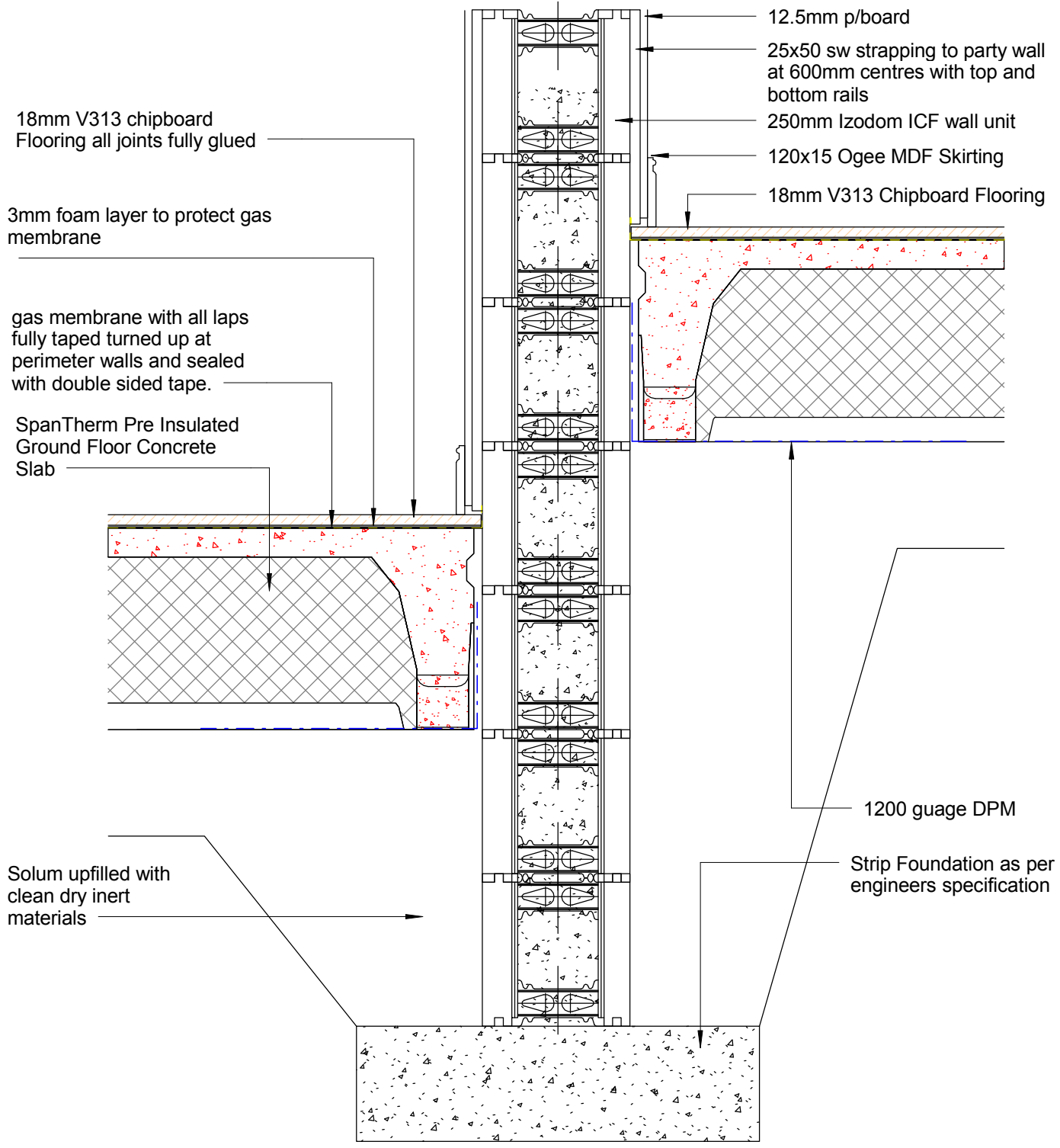


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PROJECT	Residential Development
SHEET	Junction between Spantherm and External Wall

CLIENT			
Mr S. McRoberts			
Date	Project Number	Scale (@ A4)	REV
14-9-14	-	1 : 10	
Drawn by	DRAWING NUMBER		
CFM	D100		
Checked by	-		



1

SpanTherm Parallel to Party Wall at Step

1 : 10



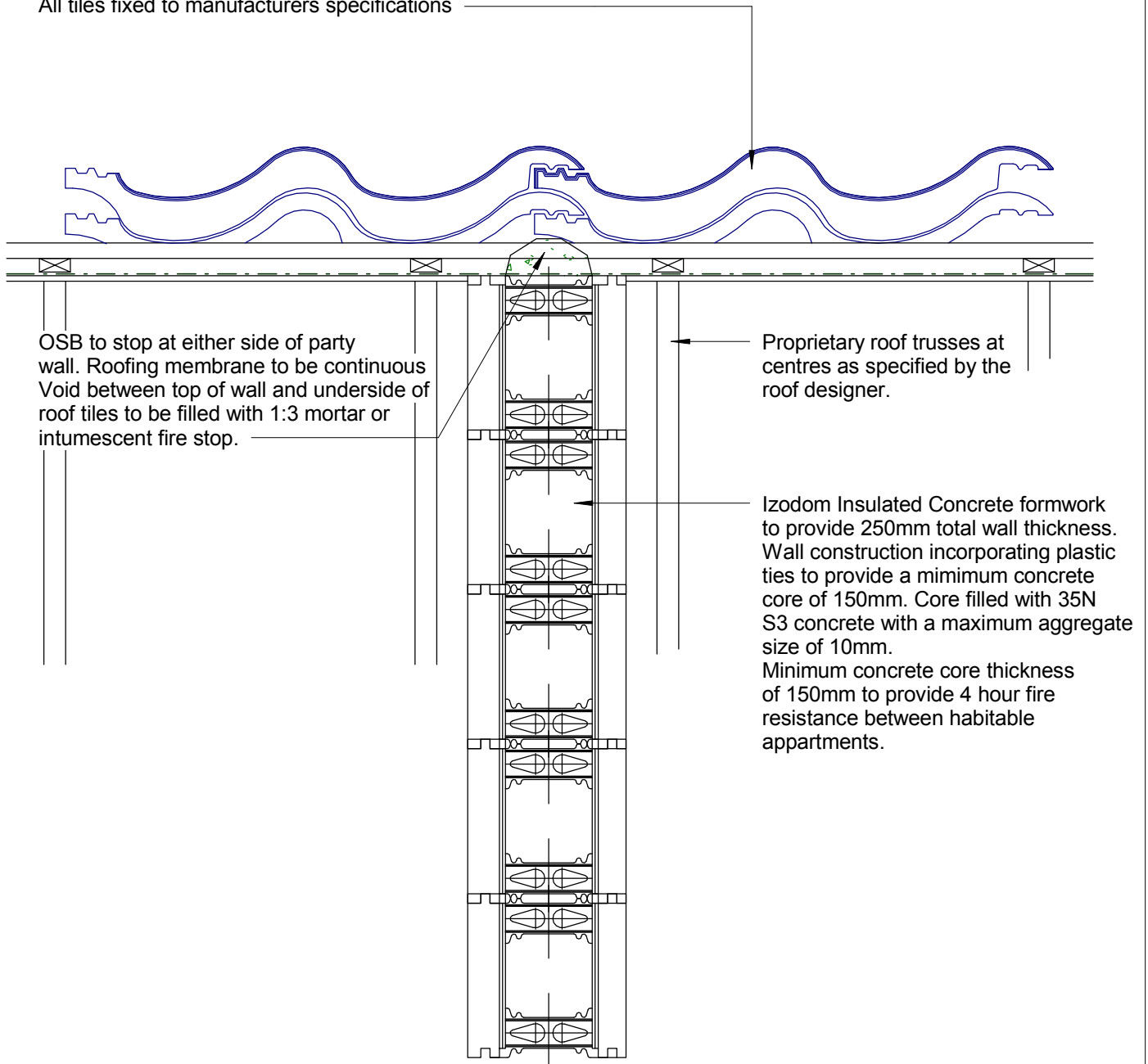
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PROJECT	Residential Development
SHEET	SpanTherm Parallel to Party Wall at Change in Floor Level

CLIENT Oaktree Housing Association			
Date Nov 2014	Project Number -	Scale (@ A4) 1 : 10	REV
Drawn by Author	DRAWING NUMBER D109		
Checked by Checker			

Marley Mendip Concrete Interlocking roof tile on 25 x 50mm treated SW tiling battens at centres to suit roof pitch and exposure on 22 x 50mm counter battens on BBA Certified breathable and vapour permeable roofing membrane or felt to BS EN 130707 on 9mm Type 3 OSB. All tiles fixed to manufacturers specifications



OSB to stop at either side of party wall. Roofing membrane to be continuous. Void between top of wall and underside of roof tiles to be filled with 1:3 mortar or intumescent fire stop.

Proprietary roof trusses at centres as specified by the roof designer.

Izodom Insulated Concrete formwork to provide 250mm total wall thickness. Wall construction incorporating plastic ties to provide a minimum concrete core of 150mm. Core filled with 35N S3 concrete with a maximum aggregate size of 10mm. Minimum concrete core thickness of 150mm to provide 4 hour fire resistance between habitable appartments.

1

Party Wall - Wall head Section

1 : 10

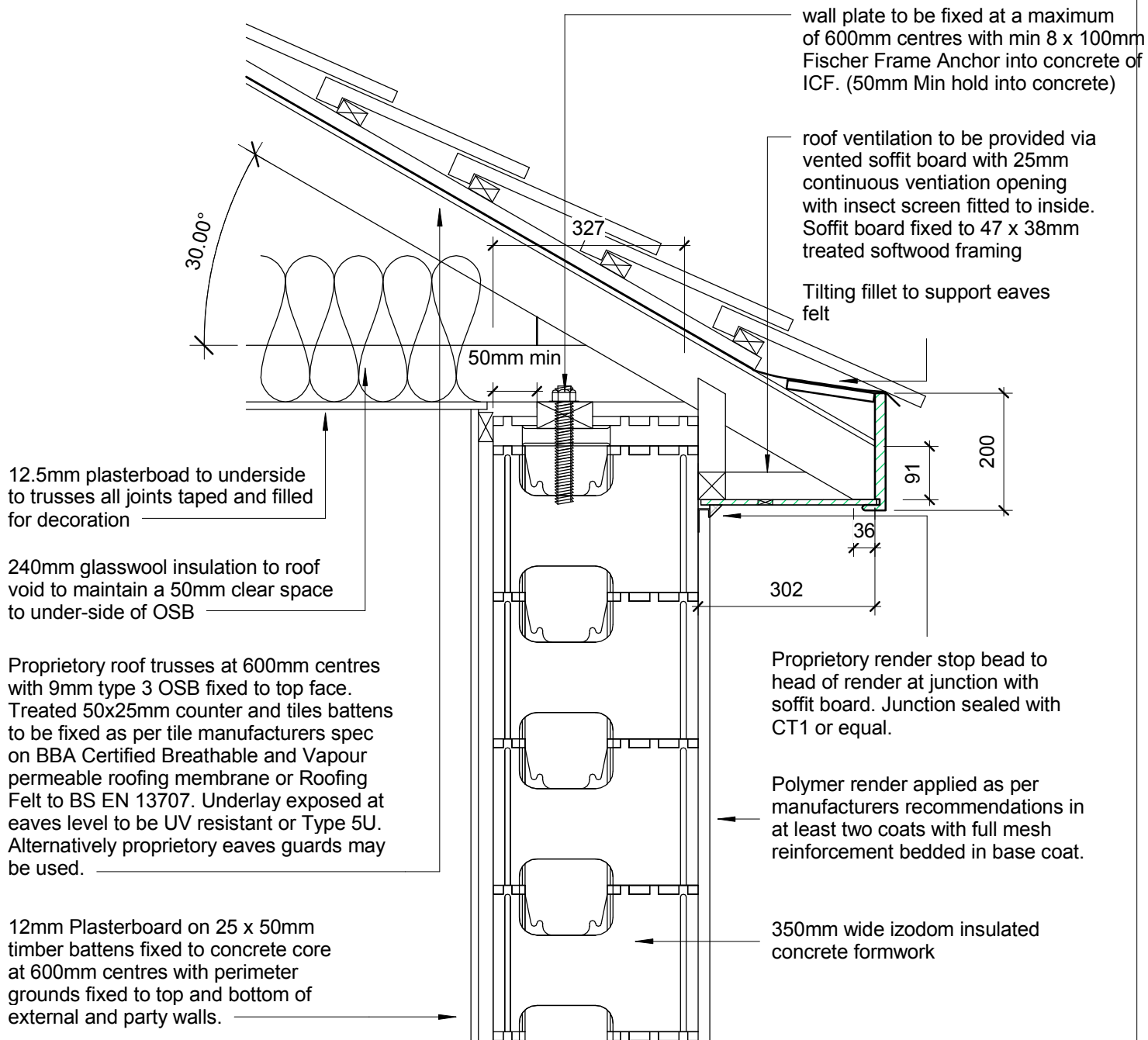


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PROJECT	Residential Development
SHEET	Junction Detail at Head of Party Wall with Roof

CLIENT Oaktree Housing Association			
Date Nov 2014	Project Number -	Scale (@ A4) 1 : 10	REV
Drawn by Author	DRAWING NUMBER D108		
Checked by Checker			



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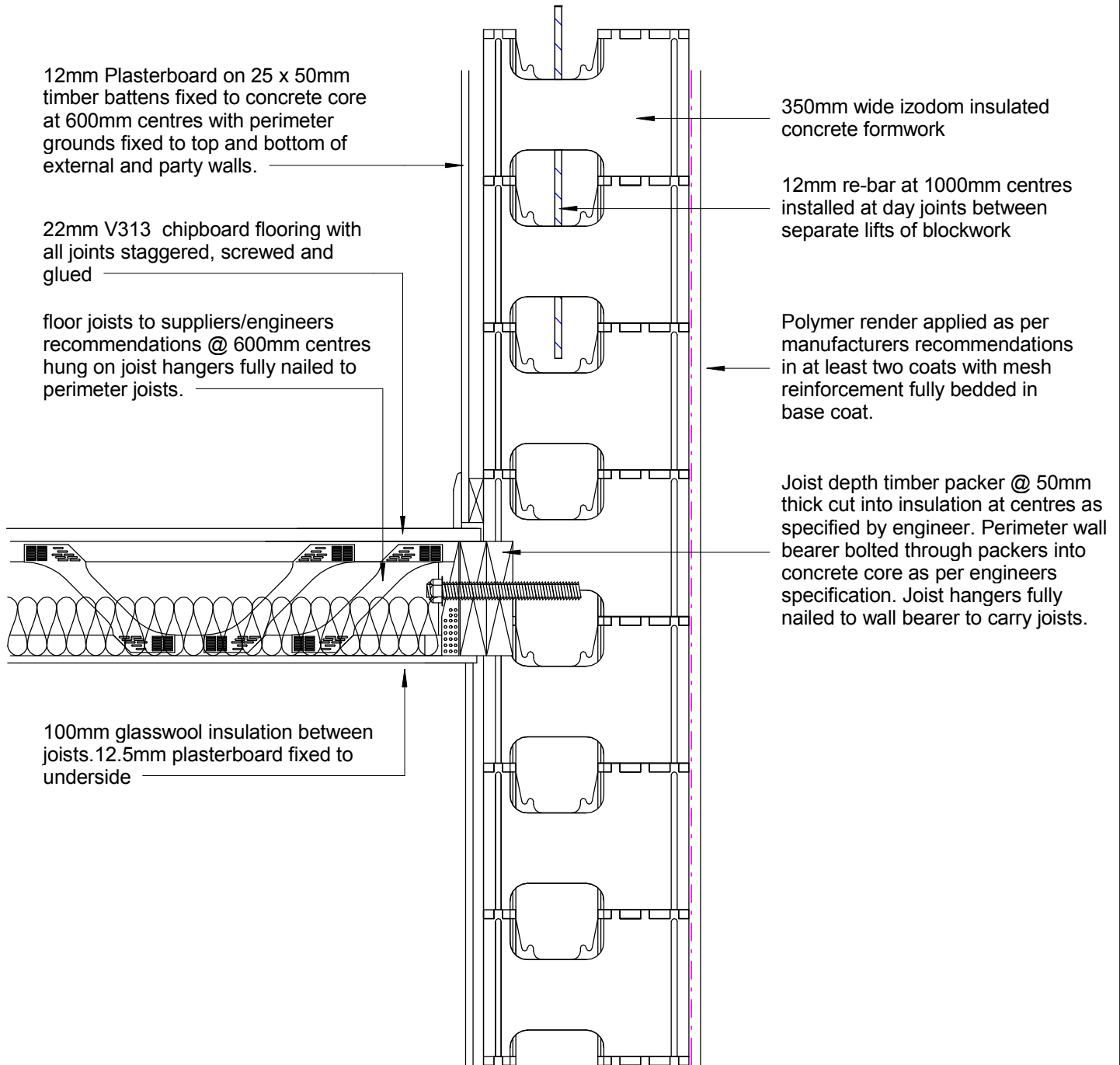
Eaves Detail 30deg Truss

1 : 10

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PROJECT	Residential Development
SHEET	Eaves Detail

CLIENT Oaktree Housing Association			
Date Nov 2014	Project Number -	Scale (@ A4) 1 : 10	REV
Drawn by Author	DRAWING NUMBER D106		
Checked by Checker			



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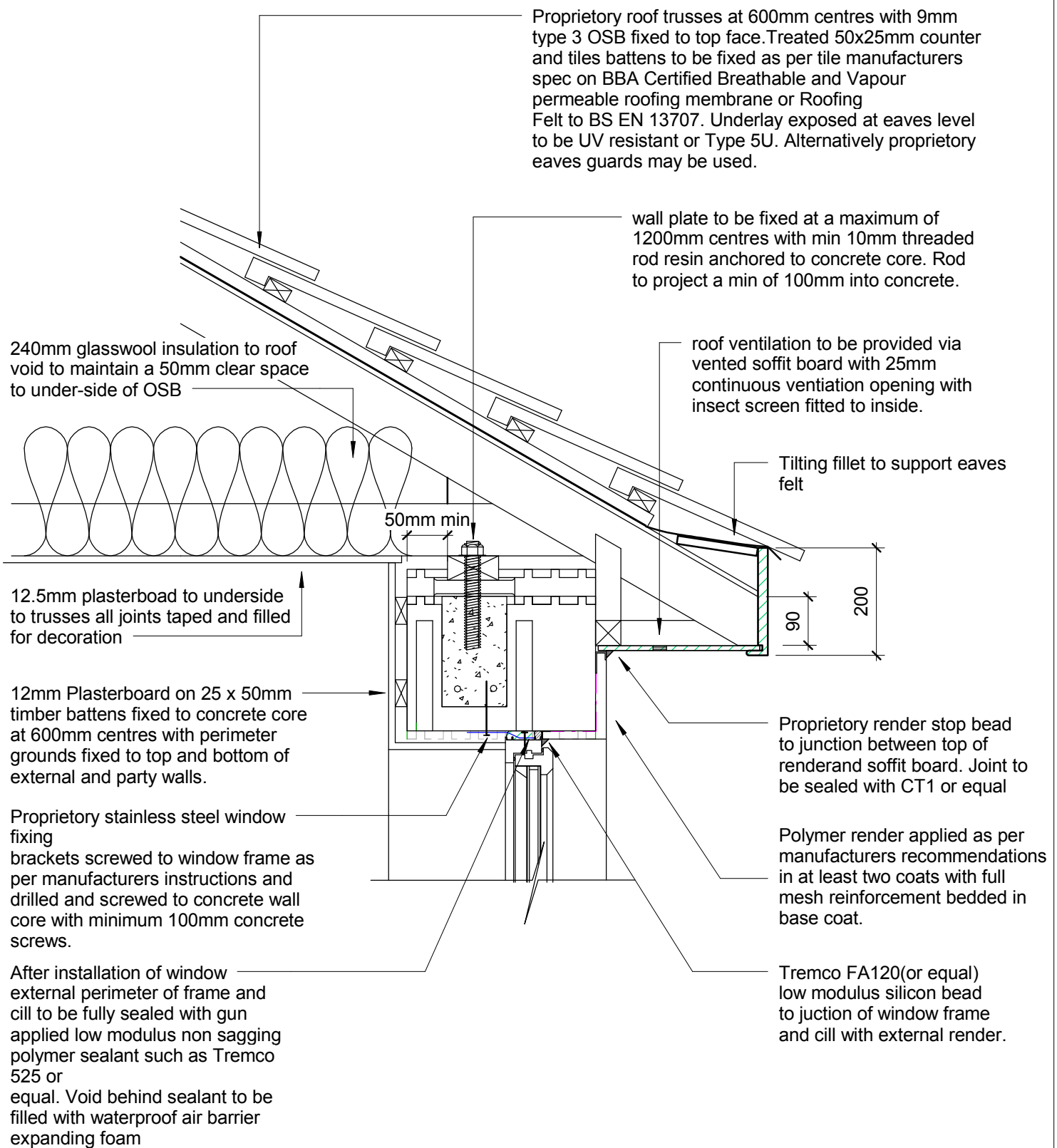
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PROJECT
Residential Development

SHEET
Mid-Floor Posi Joist Detail

CLIENT Oaktree Housing Association			
Date Nov 2014	Project Number -	Scale (@ A4) 1 : 10	REV
Drawn by Author	DRAWING NUMBER D104		
Checked by Checker			



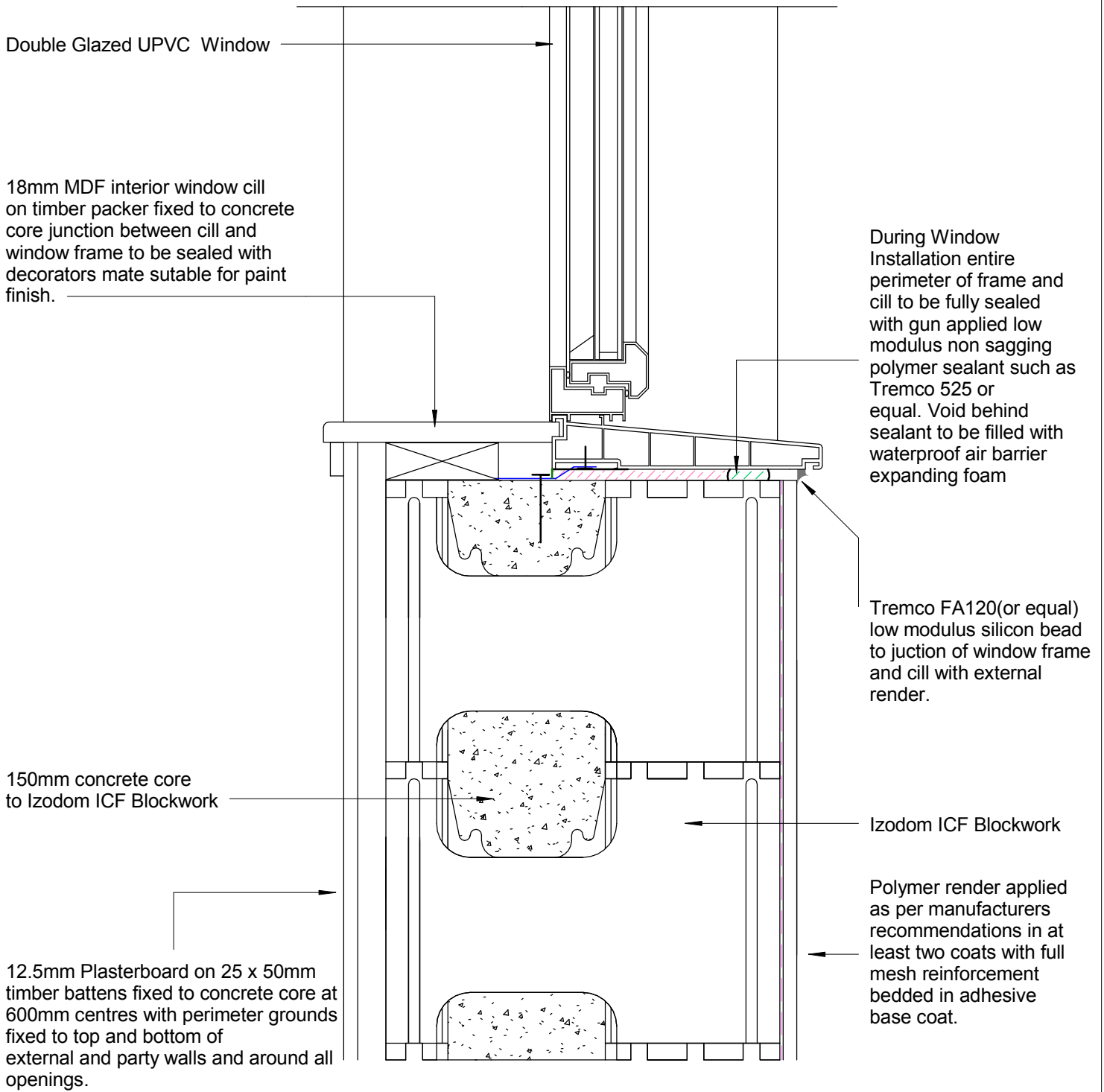
1 Window Lintol at Eaves

1 : 10

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PROJECT	Residential Development
SHEET	Typical Eaves / Lintol Detail

CLIENT Oaktree Housing Association			
Date Nov 2014	Project Number -	Scale (@ A4) 1 : 10	REV
Drawn by Author	DRAWING NUMBER D102		
Checked by Checker			



1

Typical Window Cill Detail

1 : 5



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PROJECT	Residential Development
SHEET	Typical Window Cill Detail

CLIENT Oaktree Housing Association			
Date Nov 2014	Project Number -	Scale (@ A4) 1 : 5	REV
Drawn by Author	DRAWING NUMBER D101		
Checked by Checker			



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