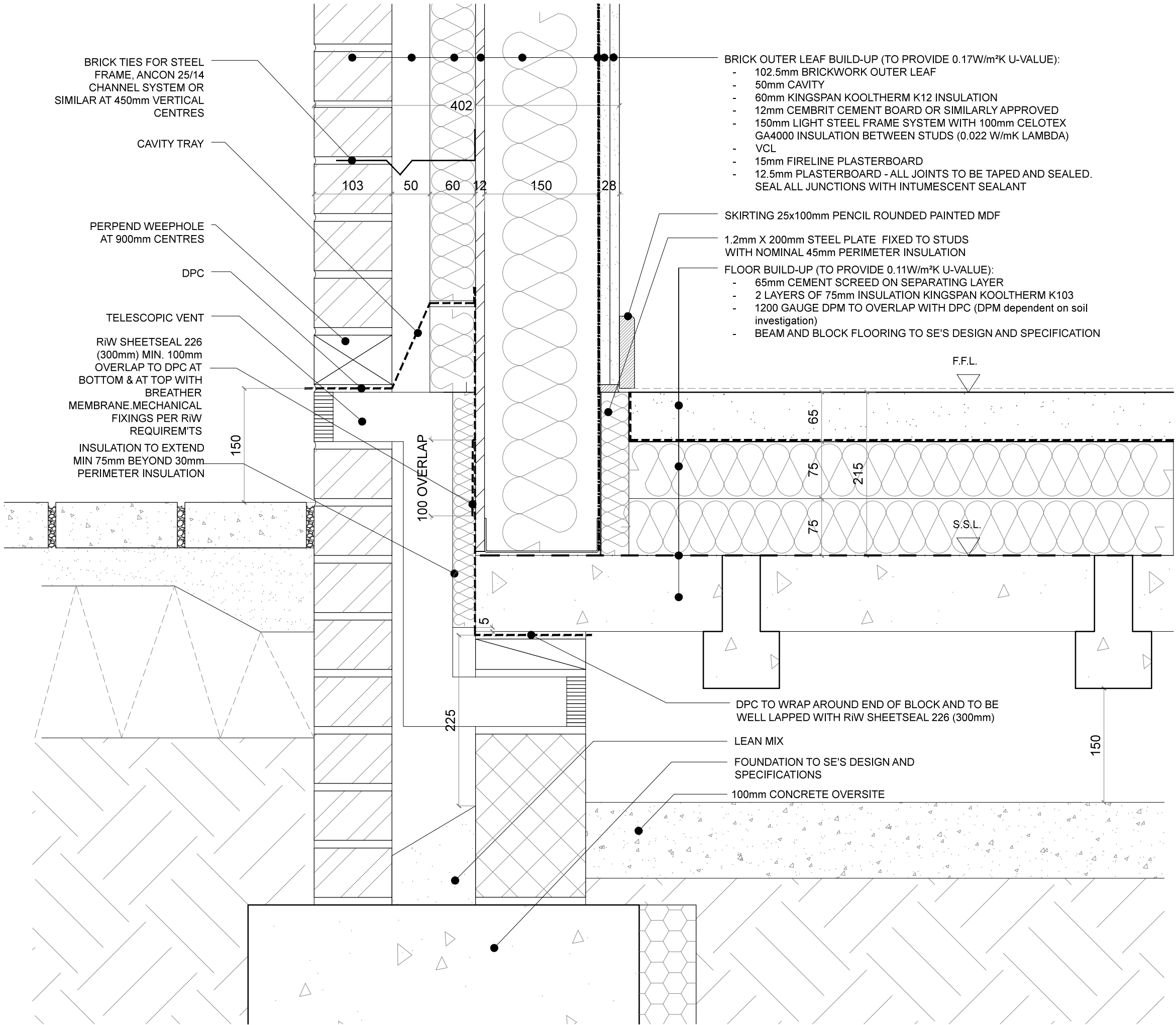




B	26/01/2017	General Build up Amendments	CM
A	13/10/2016	General Build up Amendments	EHG/DW
Rev.	Date	Description	Init.

Client

HADFRAME

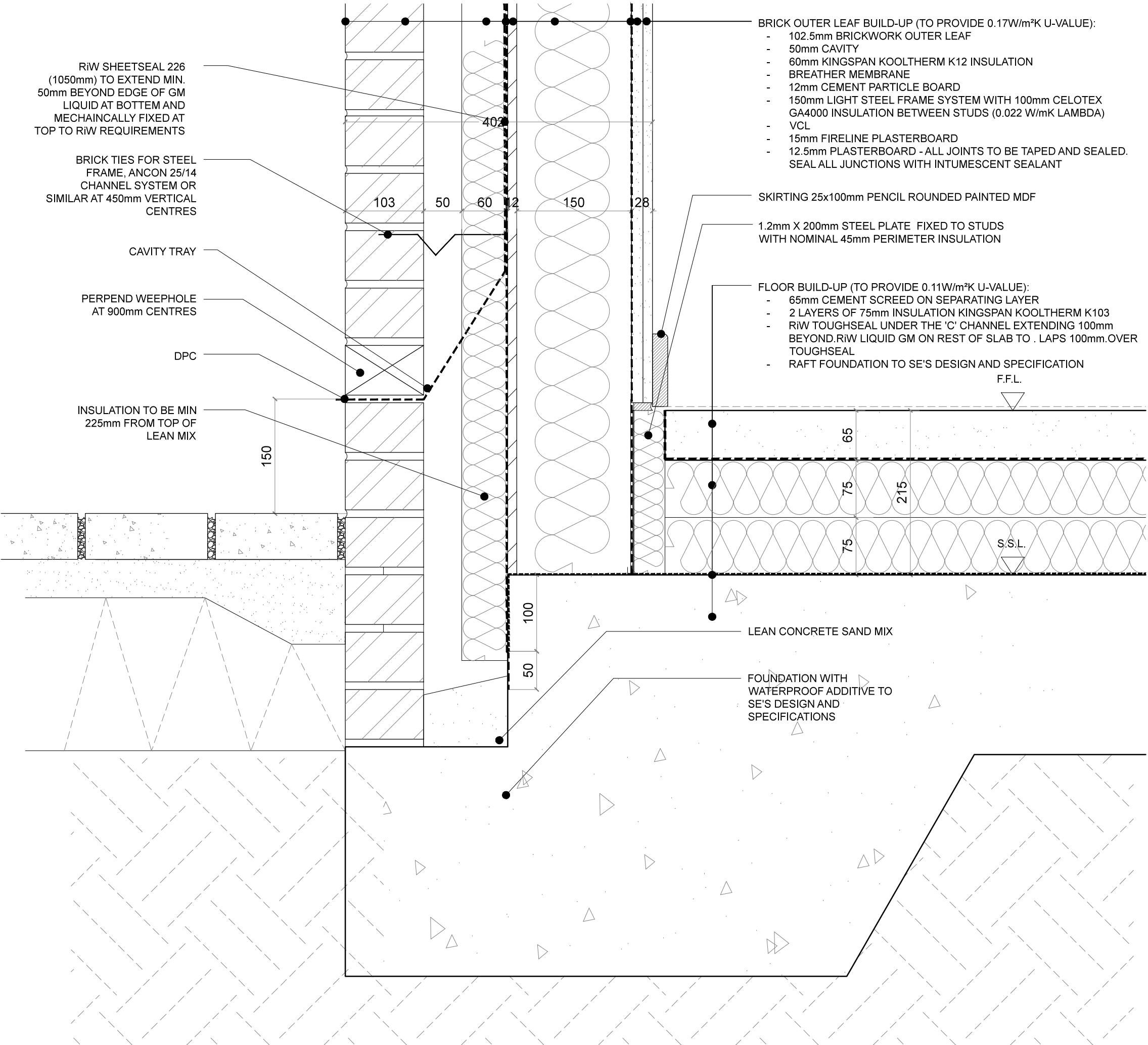
Project Title

HADFRAME SYSTEM

Drawing Title		
3B5P		
EXTERNAL WALL AND GROUND FLOOR JUNCTION BRICKWORK		
Cad File	Sheet Size	Scale
1485_DETAILS SET A	A3	1:5
Drawn by	Drawing Date	Approved by
EHG	AUG 2016	DW
Project No.	Drawing No.	Revision
1485	D01A-1	B

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PRELIMINARY



B	26/01/2017	General Build up Amendments	CM
A	14/12/2016	General Build up Amendments	EHG/DW
Rev.	Date	Description	Init.

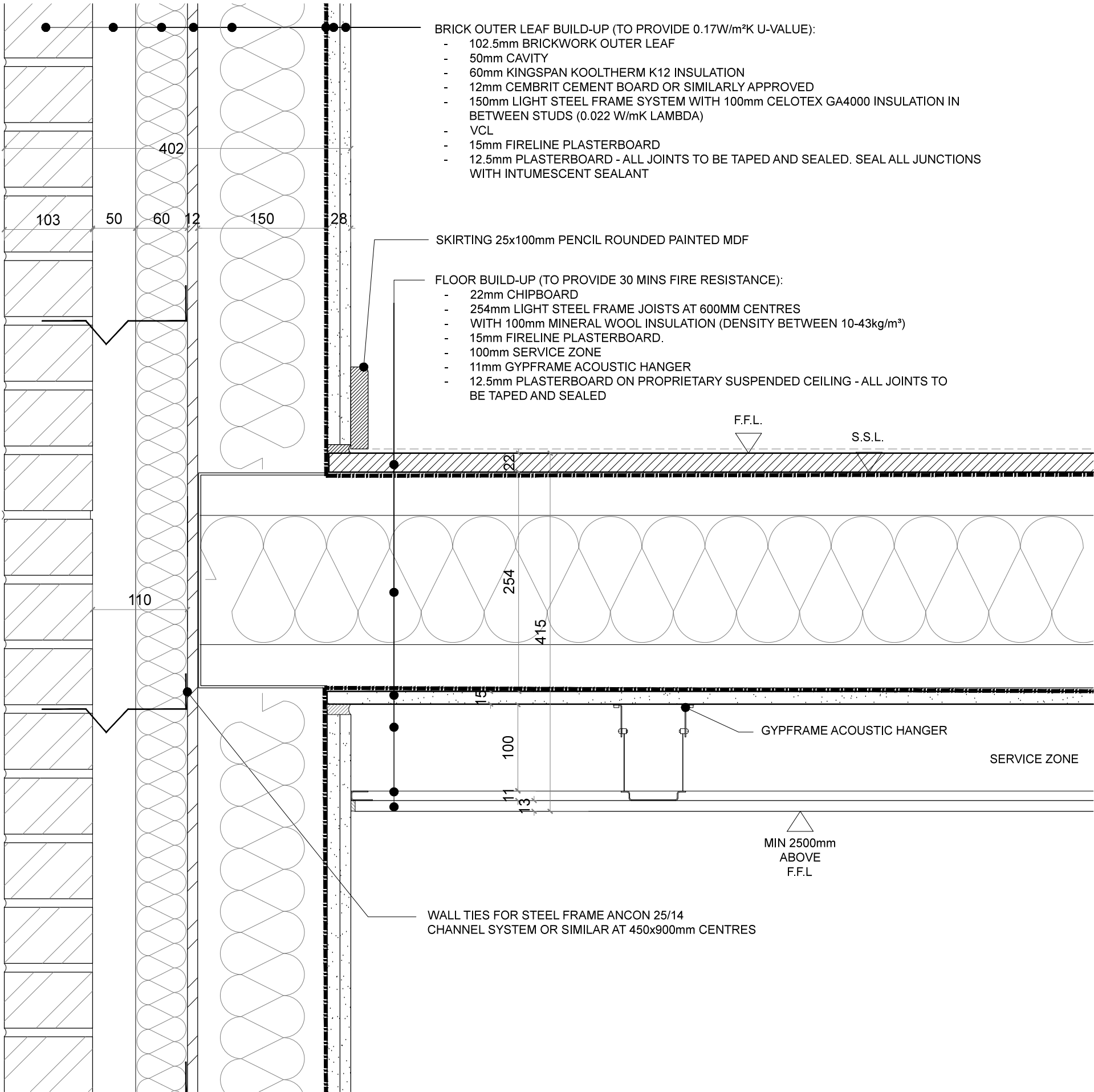
Client

HADFRAME

Project Title

HADFRAME SYSTEM

Drawing Title 3B5P EXTERNAL WALL AND RAFT JUNCTION BRICKWORK		
Cad File	Sheet Size	Scale
1485_DETAILS SET A	A3	1:5
Drawn by	Drawing Date	Approved by
EHG	AUG 2016	DW
Project No.	Drawing No.	Revision
1485	D01A-6	B



B	26/01/2017	General Build up Amendments	CM
A	13/10/2016	General Build up Amendments	EHG/DW
Rev.	Date	Description	Init.

Client

HADFRAME

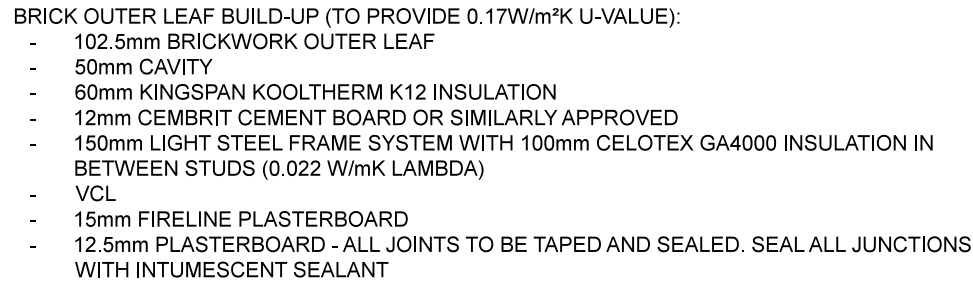
Project Title

HADFRAME SYSTEM

Drawing Title 3B5P EXTERNAL WALL AND FIRST FLOOR JUNCTION BRICKWORK		
Cad File 1485_DETAILS SET A	Sheet Size A3	Scale 1:5
Drawn by EHG	Drawing Date AUG 2016	Approved by DW
Project No. 1485	Drawing No. D02A-1	Revision B

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PRELIMINARY



FLOOR BUILD-UP (TO PROVIDE 30 MINS FIRE RESISTANCE):

- 34mm NON-CEMENTITIOUS PUMPED SCREED
- 16mm BOX PROFILE SHEETING
- 12mm PROPRIETARY SHOCK ABSORBING STRIP
- VCL
- 254mm LIGHT STEEL FRAME JOISTS AT 600MM CENTRES
- WITH 100mm MINERAL WOOL INSULATION (DENSITY BETWEEN 10-43kg/m³)
- 15mm FIRELINE PLASTERBOARD.
- 100mm SERVICE ZONE
- 11mm GYPFRAME ACOUSTIC HANGER
- 12.5mm PLASTERBOARD ON PROPRIETARY SUSPENDED CEILING - ALL JOINTS TO BE TAPED AND SEALED

F F I

S.S.L.

MIN 2500mm
ABOVE
F.F.L

WALL TIES FOR STEEL FRAME ANCON 25/14
CHANNEL SYSTEM OR SIMILAR AT 450x900mm CENTRES

Client _____

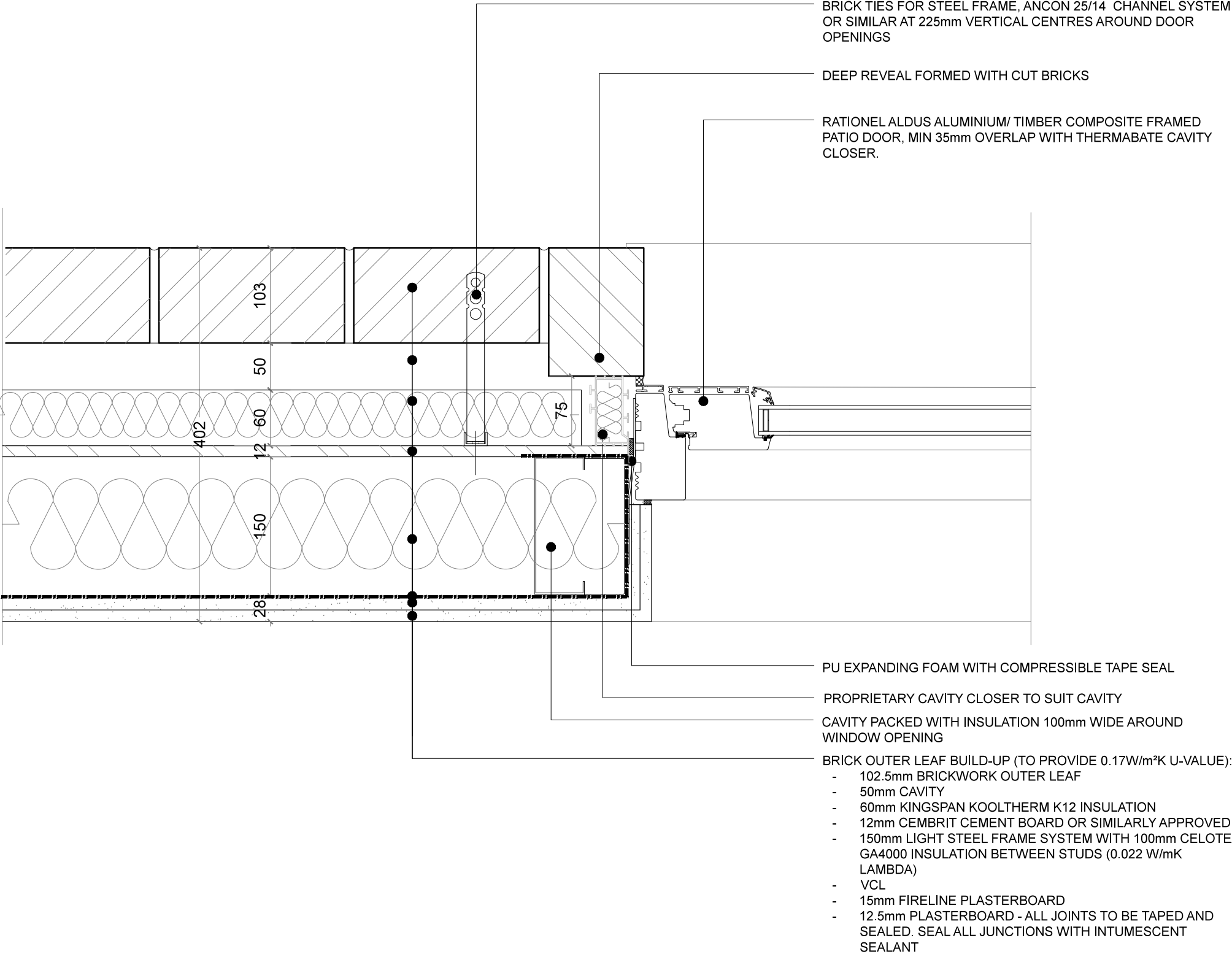
Project Title

Drawing Title
3B5P
EXTERNAL WALL AND FIRST FLOOR JUNCTION -
BRICKWORK

1485 D02A-6 —

this drawing. This drawing was produced using AutoCad LT.

PRELIMINARY



B	26/01/2017	General Build up Amendments	CM
A	13/10/2016	General Build up Amendments	EHG/DW
Rev.	Date	Description	Init.

Client

HADFRAME

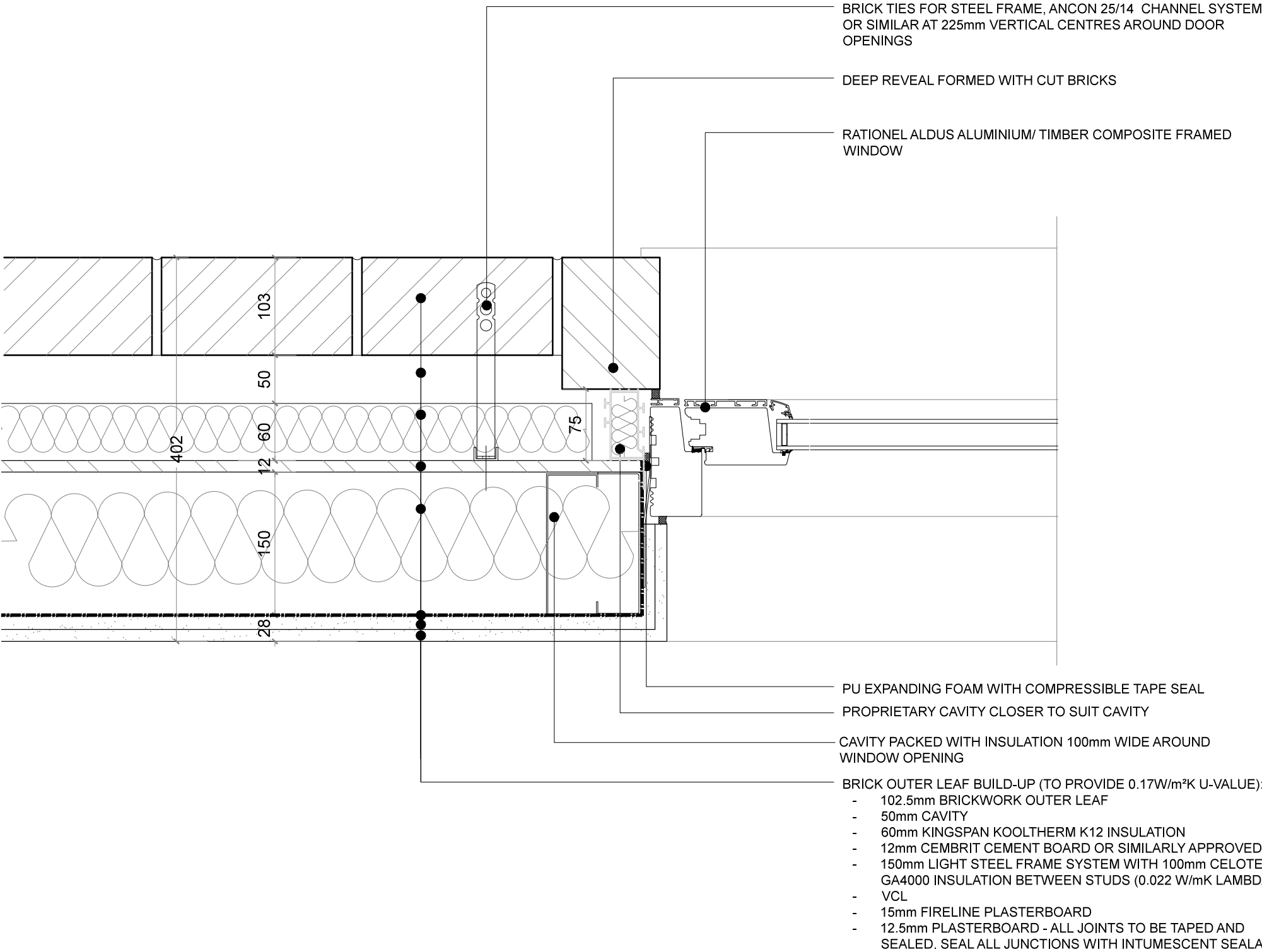
Project Title

HADFRAME SYSTEM

Drawing Title 3B5P DOOR JAMB DETAIL BRICKWORK		
Cad File	Sheet Size	Scale
1485_DETAILS SET A	A3	1:5
Drawn by	Drawing Date	Approved by
EHG	AUG 2016	DW
Project No.	Drawing No.	Revision
1485	D04A-2	B

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PRELIMINARY



B	26/01/2017	General Build up Amendments	CM
A	13/10/2016	General Build up Amendments	EHG/DW
Rev.	Date	Description	Init.

Client

HADFRAME

Project Title

HADFRAME SYSTEM

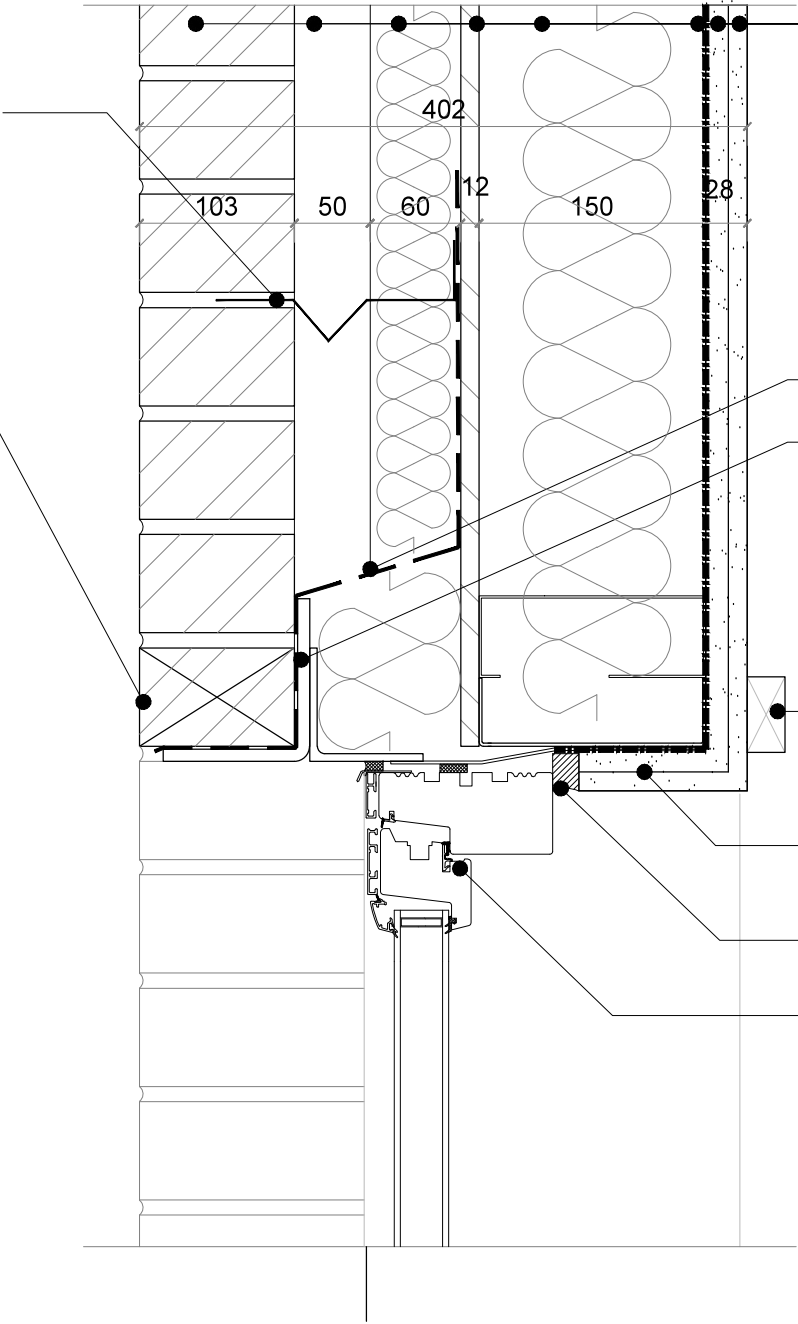
Drawing Title 3B5P WINDOW JAMB DETAIL BRICKWORK		
Cad File	Sheet Size	Scale
1485_DETAILS SET A	A3	1:5
Drawn by	Drawing Date	Approved by
EHG	AUG 2016	DW
Project No.	Drawing No.	Revision
1485	D04A-3	B

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PRELIMINARY

WALL TIES FOR STEEL
FRAME ANCON 25/14
CHANNEL SYSTEM OR
SIMILAR AT 450x900mm
CENTRES

PERPEND WEEPHOLE
AT 900mm CENTRES
MINIMUM 2 NOS. OVER
WINDOW



- BRICK OUTER LEAF BUILD-UP (TO PROVIDE 0.17W/m²K U-VALUE):
- 102.5mm BRICKWORK OUTER LEAF
 - 50mm CAVITY
 - 60mm KINGSPAN KOOLTHERM K12 INSULATION
 - 12mm CEMBRIT CEMENT BOARD OR SIMILARLY APPROVED
 - 150mm LIGHT STEEL FRAME SYSTEM WITH 100mm CELOTEX GA4000 INSULATION BETWEEN STUDS (0.022 W/mK LAMBDA)
 - VCL
 - 15mm FIRELINE PLASTERBOARD
 - 12.5mm PLASTERBOARD - ALL JOINTS TO BE TAPED AND SEALED. SEAL ALL JUNCTIONS WITH INTUMESCENT SEALANT
- CAVITY TRAY DRESSED OVER STEEL LINTEL
- PRESSED STEEL LINTEL TO S.E. SPECIFICATION, WITH 75x75x5mm GALVANISED M/S RSA ATTACHED TO REAR FACE TO CLOSE SOFFIT. EXPOSED SURFACES IN PAINTED FINISH TO MATCH WINDOW/ DOOR FRAME
- 50x25mm BATTEN ACROSS FULL WIDTH OF WINDOW HEAD EXTENDING 150mm BEYOND WINDOW AT EACH REVEAL, TO RECEIVE CURTAIN RAIL/ BLIND BOX FIXINGS
- FIRELINE AND PLASTERBOARD SHEETS DRESSED INTO WINDOW/ DOOR REVEAL
- INTUMESCENT SEALANT
- RATIONEL ALDUS ALUMINIUM/ TIMBER COMPOSITE FRAMED WINDOW,

B	26/01/2017	General Build up Amendments	CM
A	13/10/2016	General Build up Amendments	EHG/DW
Rev.	Date	Description	Init.

Client

HADFRAME

Project Title

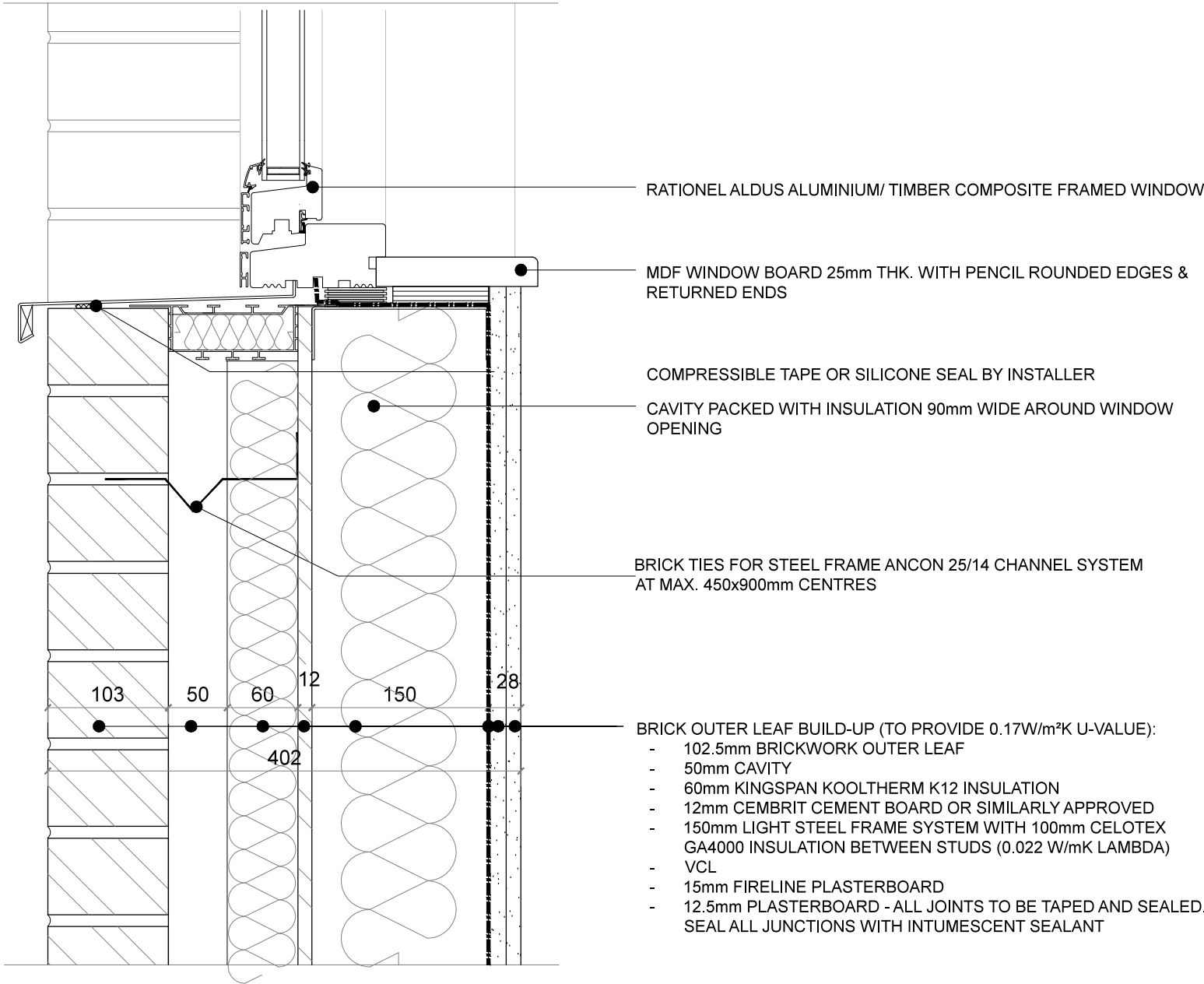
HADFRAME SYSTEM

Drawing Title
3B5P
WINDOW HEAD DETAIL
BRICKWORK

Cad File	Sheet Size	Scale
1485_DETAILS SET A3	A3	1:5
Drawn by	Drawing Date	Approved by
EHG	AUG 2016	DW
Project No.	Drawing No.	Revision
1485	D04A-4	B

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PRELIMINARY



B	26/01/2017	General Build up Amendments	CM
A	05/09/2015	General Build up Amendments	EHG
Rev.	Date	Description	Init.

Client

HADFRAME

Project Title

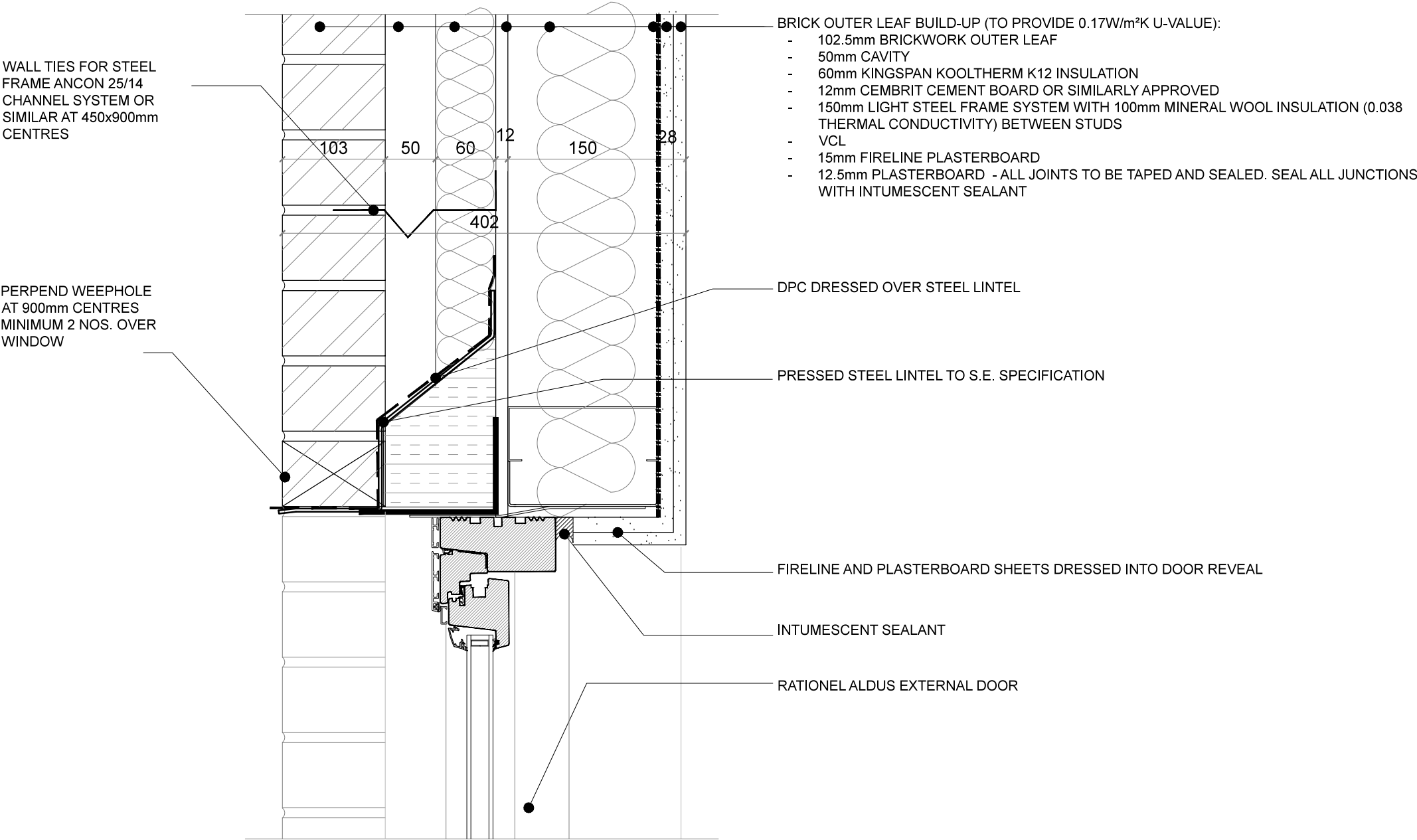
HADFRAME SYSTEM

Drawing Title
3B5P
WINDOW CILL DETAIL
BRICKWORK

Cad File	Sheet Size	Scale
1485_DETAILS SET A3	A3	1:5
Drawn by	Drawing Date	Approved by
EHG	AUG 2016	DW
Project No.	Drawing No.	Revision
1485	D04A-5	B

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PRELIMINARY



B	26/01/2017	General Build up Amendments	CM
A	14/12/2016	General Build up Amendments	EHG/DW
Rev.	Date	Description	Init.

Client

HADFRAME

Project Title

HADFRAME SYSTEM

Drawing Title
3B5P
DOOR HEAD DETAIL
BRICKWORK

Cad File	Sheet Size	Scale
1485_DETAILS SET A3	A3	1:5
Drawn by	Drawing Date	Approved by
EHG	AUG 2016	DW
Project No.	Drawing No.	Revision
1485	D04A-15	B

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PRELIMINARY

- CLAY TILE ROOF (TO PROVIDE 0.13W/m²K U-VALUE):
- CLAY ROOF TILES ON 25x38mm TREATED SW BATTEN
 - BREATHER MEMBRANE
 - 50mm COUNTER BATTEN
 - 100mm THICK ECOTHERM ECO-VERSAL INSULATION
 - 18mm WBP
 - 150mm LIGHT STEEL FRAME SYSTEM WITH 120mm ECOTHERM ECO-VERSAL INSULATION IN BETWEEN
 - VCL

NON
HABITABLE
ROOF VOID

- CEILING BUILD-UP (TO PROVIDE 30 MINS FIRE RESISTANCE):
- 100mm CELOTEX GA4000 OVER
 - 254mm LIGHT STEEL FRAME JOISTS AT 600MM CENTRES
 - FULL FILL MINERAL WOOL INSULATION BETWEEN JOISTS
 - VCL
 - 15mm FIRELINE PLASTERBOARD
 - 100mm SERVICE ZONE
 - 11mm ACOUSTIC HANGER
 - 12.5mm PLASTERBOARD ON PROPRIETARY SUSPENDED CEILING - ALL JOINTS TO BE TAPED AND SEALED

VENTILATION TRAY
OVER FASCIA
ROOF VENT

NEOPRENE ISOLATOR
45mm CELOTEX GA4000
PROPRIETARY 19mm
SOFFIT BOARD
PROPRIETARY FASCIA
BOARD

ACOUSTIC HANGER

- BRICK OUTER LEAF BUILD-UP (TO PROVIDE 0.17W/m²K U-VALUE):
- 102.5mm BRICKWORK OUTER LEAF
 - 50mm CAVITY
 - 60mm KINGSPAN KOOLTHERM K12 INSULATION
 - 12mm CEMBRIT CEMENT BOARD OR SIMILARLY APPROVED
 - 150mm LIGHT STEEL FRAME SYSTEM WITH 100mm CELOTEX GA4000 INSULATION BETWEEN (0.022 W/mK LAMBDA)
 - VCL
 - 15mm FIRELINE PLASTERBOARD
 - 12.5mm PLASTERBOARD - ALL JOINTS TO BE TAPED AND SEALED. SEAL ALL JUNCTIONS WITH INTUMESCENT SEALANT

B	26/01/2017	General Build up Amendments	CM
A	13/10/2016	General Build up Amendments	EHG/DW
Rev.	Date	Description	Init.

Client

HADFRAME

Project Title

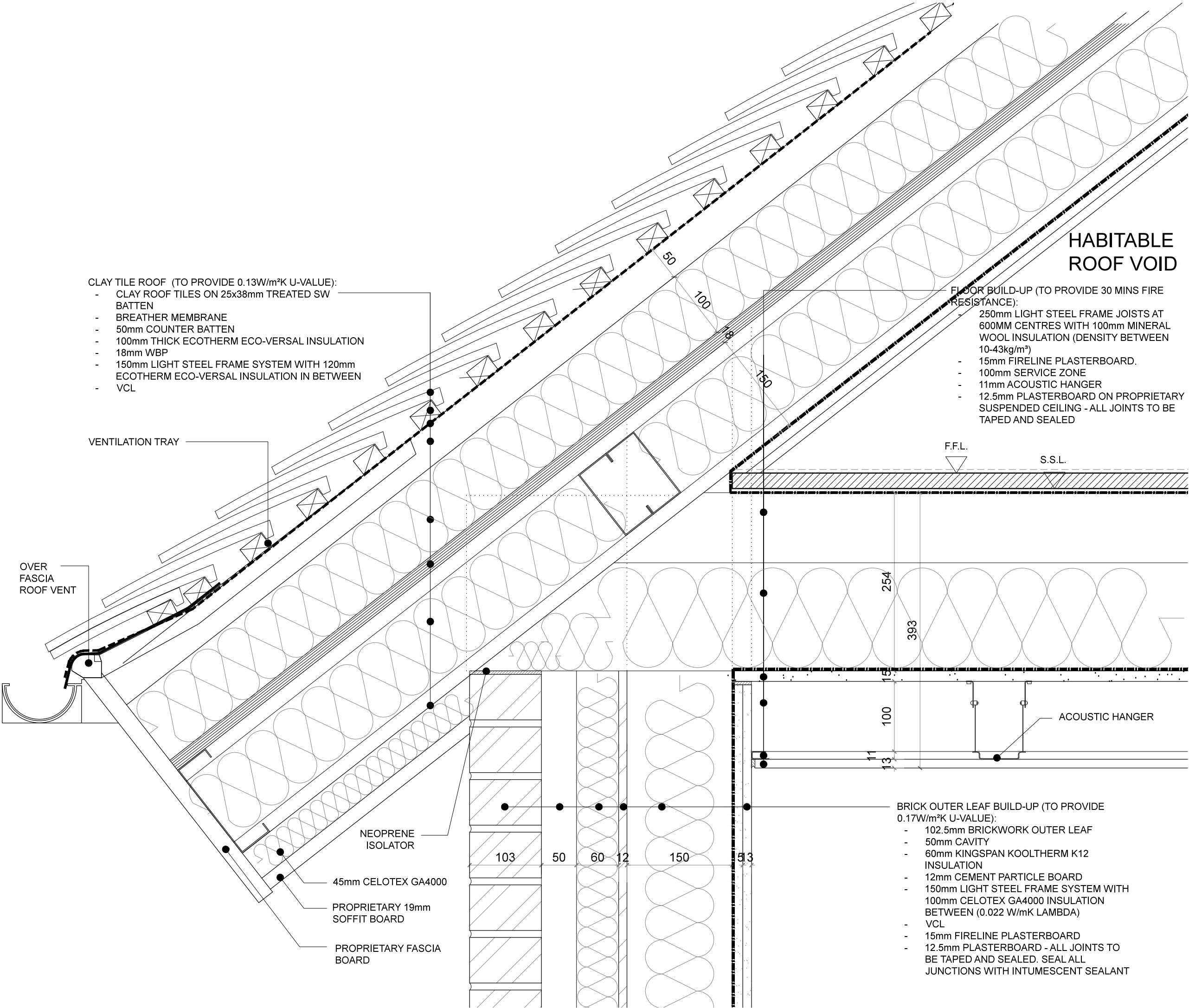
HADFRAME SYSTEM

Drawing Title
3B5P
TRUSS ROOF EAVES DETAIL
BRICK

Cad File	Sheet Size	Scale
1485_DETAILS SET A3	A3	1:5
Drawn by	Drawing Date	Approved by
EHG	AUG 2016	DW
Project No.	Drawing No.	Revision
1485	D06A-1	B

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PRELIMINARY



B	26/01/2017	General Build up Amendments	CM
A	14/12/2016	General Build up Amendments	EHG/DW
Rev.	Date	Description	Init.

Client

HADFRAME

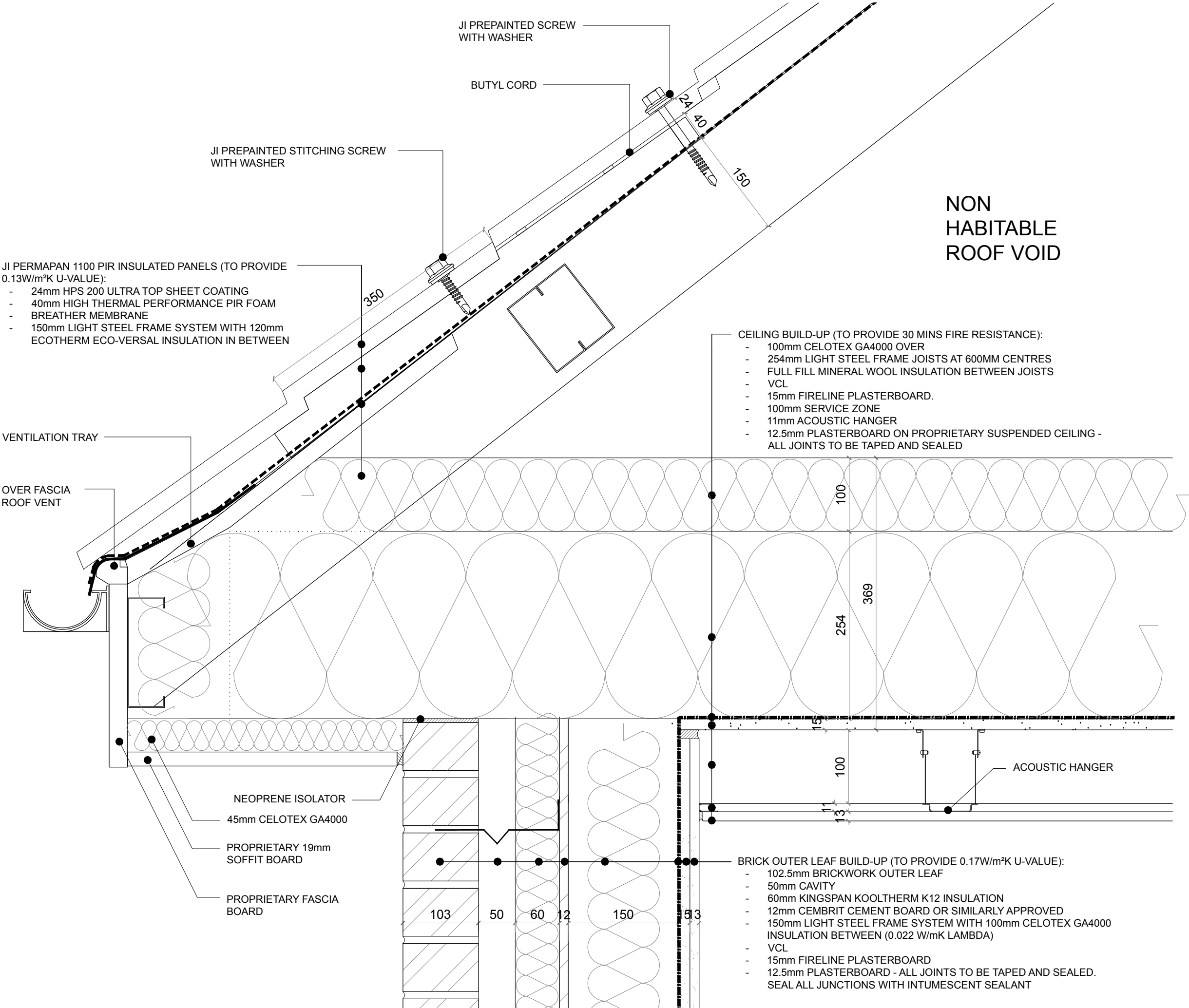
Project Title

HADFRAME SYSTEM

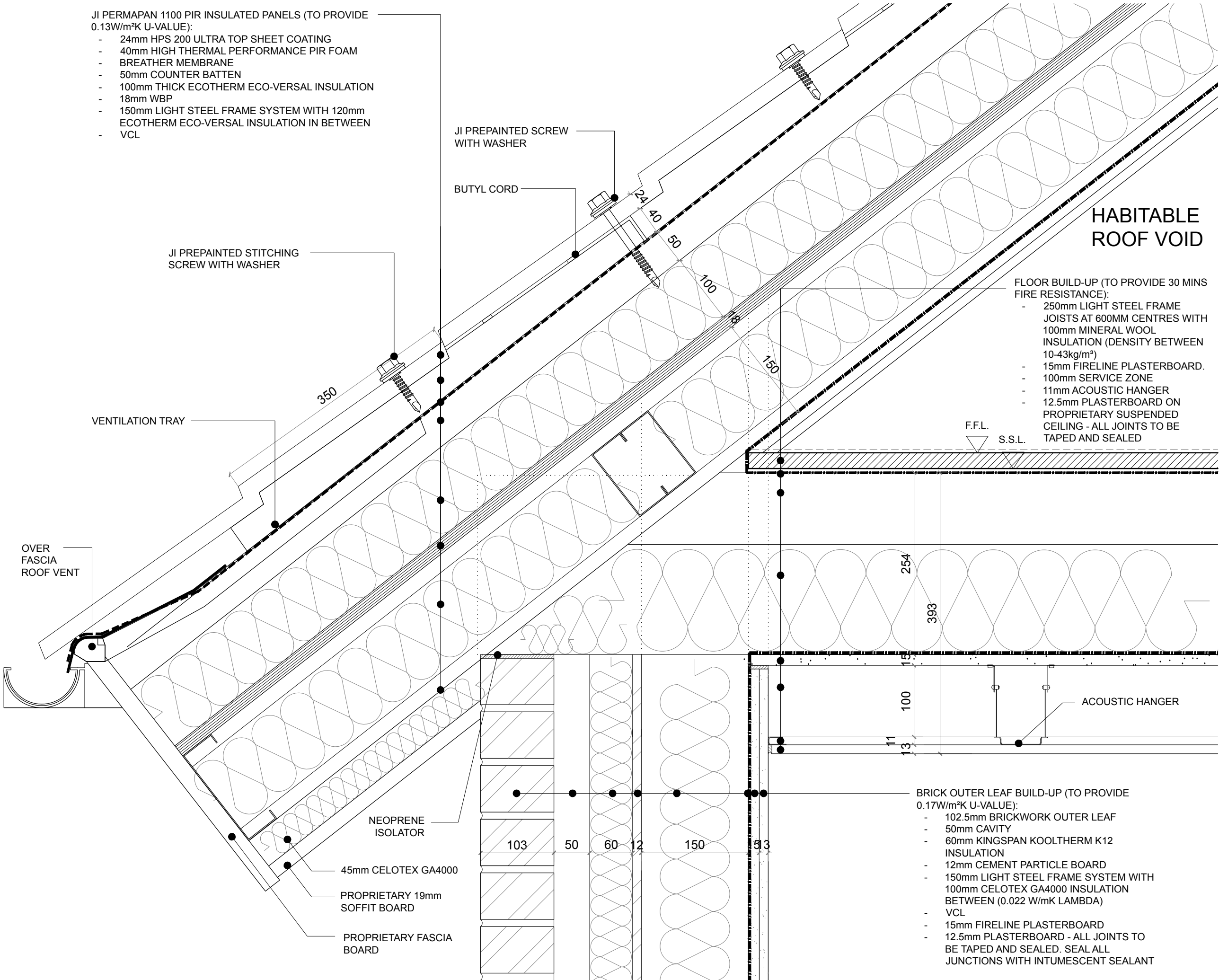
Drawing Title		
3B5P FRAMED ROOF EAVES DETAIL BRICK		
Cad File	Sheet Size	Scale
1485_DETAILS SET A3	A3	1:5
Drawn by	Drawing Date	Approved by
EHG	SEPT 2016	DW
Project No.	Drawing No.	Revision
1485	D06A-7	B

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PRELIMINARY



Rev.	Date	Description	Init.
Client			
HADFRAME			
Project Title			
HADFRAME SYSTEM			
Drawing Title			
3B5P			
TRUSS ROOF EAVES DETAIL			
BRICK & COMPOSITE PANEL TILE			
Cad File		Sheet Size	Scale
1485_DETAILS SET		A3	1:5
Drawn by		Drawing Date	Approved by
AM		NOV 2016	DW
Project No.		Drawing No.	Revision
1485		D06A-12	—



Rev.	Date	Description	Init.
Client			
HADFRAME			
Project Title			
HADFRAME SYSTEM			
Drawing Title			
3B5P FRAMED ROOF EAVES DETAIL BRICK & COMPOSITE PANEL TILE			
Cad File		Sheet Size	Scale
1485_DETAILS SET A3		A3	1:5
Drawn by		Drawing Date	Approved by
AM		NOV 2016	DW
Project No.		Drawing No.	Revision
1485		D06A-17	—

HABITABLE
ROOF VOID

- CLAY TILE ROOF (TO PROVIDE 0.13W/m²K U-VALUE):
- CLAY ROOF TILES ON 25x38mm TREATED SW BATTEN
 - BREATHER MEMBRANE
 - 50mm COUNTER BATTEN
 - 100mm THICK ECOTHERM ECO-VERSAL INSULATION
 - 18mm WBP
 - 150mm LIGHT STEEL FRAME SYSTEM WITH 2 LAYERS OF 120mm ECOTHERM ECO-VERSAL INSULATION IN BETWEEN
 - VCL
 - 15mm FIRELINE PLASTERBOARD.
 - 12.5mm PLASTERBOARD
 - ALL JOINTS TO BE TAPED AND SEALED

PVC FASCIA BOARD

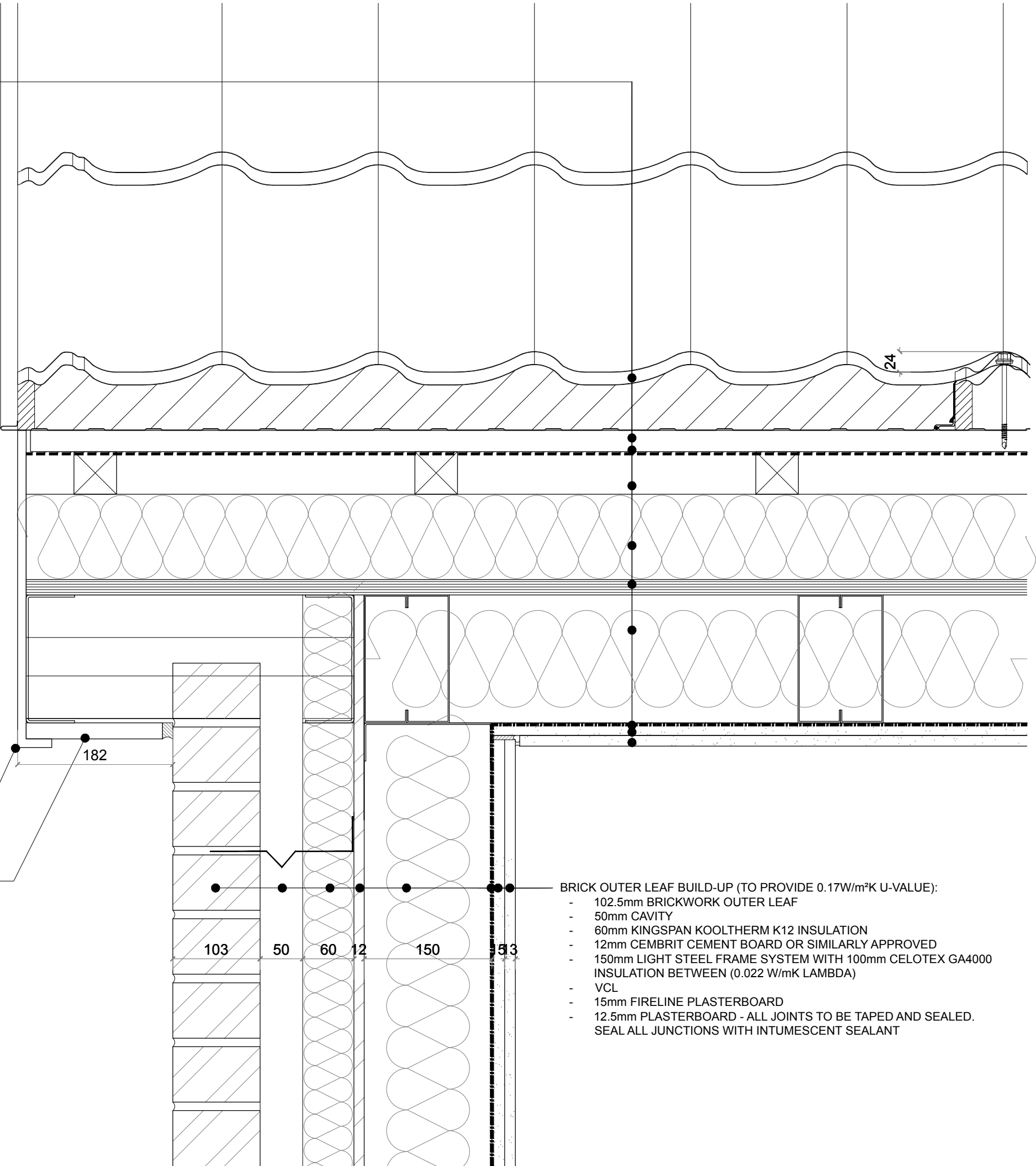
PROPRIETARY 19mm SOFFIT BOARD

- BRICK OUTER LEAF BUILD-UP (TO PROVIDE 0.17W/m²K U-VALUE):
- 102.5mm BRICKWORK OUTER LEAF
 - 50mm CAVITY
 - 60mm KINGSPAN KOOLTHERM K12 INSULATION
 - 12mm CEMBRIT CEMENT BOARD OR SIMILARLY APPROVED
 - 150mm LIGHT STEEL FRAME SYSTEM WITH 100mm CELOTEX GA4000 INSULATION BETWEEN (0.022 W/mK LAMBDA)
 - VCL
 - 15mm FIRELINE PLASTERBOARD
 - 12.5mm PLASTERBOARD - ALL JOINTS TO BE TAPED AND SEALED. SEAL ALL JUNCTIONS WITH INTUMESCENT SEALANT

Rev.	Date	Description	Init.
Client			
HADFRAME			
Project Title			
HADFRAME SYSTEM			
Drawing Title			
3B5P			
VERGE DETAIL - CLAY ROOF TILES			
BRICK			
Cad File		Sheet Size	Scale
1485_DETAILS SET		A3	1:5
Drawn by	Drawing Date	Approved by	
AM	NOV 2016	DW	
Project No.		Drawing No.	Revision
1485		D06A-26	—

HABITABLE
ROOF VOID

- JI PERMAPAN 1100 PIR INSULATED PANELS (TO PROVIDE 0.13W/m²K U-VALUE):
- 24mm HPS 200 ULTRA TOP SHEET COATING
 - 40mm HIGH THERMAL PERFORMANCE PIR FOAM
 - BREATHER MEMBRANE
 - 150mm LIGHT STEEL FRAME SYSTEM WITH 120mm ECOTHERM ECO-VERSAL INSULATION IN BETWEEN
 - VCL
 - 15mm FIRELINE PLASTERBOARD.
 - 12.5mm PLASTERBOARD
 - ALL JOINTS TO BE TAPED AND SEALED



PVC FASCIA BOARD

PROPRIETARY 19mm SOFFIT
BOARD

- BRICK OUTER LEAF BUILD-UP (TO PROVIDE 0.17W/m²K U-VALUE):
- 102.5mm BRICKWORK OUTER LEAF
 - 50mm CAVITY
 - 60mm KINGSPAN KOOLTHERM K12 INSULATION
 - 12mm CEMBRIT CEMENT BOARD OR SIMILARLY APPROVED
 - 150mm LIGHT STEEL FRAME SYSTEM WITH 100mm CELOTEX GA4000 INSULATION BETWEEN (0.022 W/mK LAMBDA)
 - VCL
 - 15mm FIRELINE PLASTERBOARD
 - 12.5mm PLASTERBOARD - ALL JOINTS TO BE TAPED AND SEALED. SEAL ALL JUNCTIONS WITH INTUMESCENT SEALANT

Rev.	Date	Description	Init.
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Client

HADFRAME

Project Title

HADFRAME SYSTEM

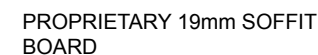
Drawing Title 3B5P VERGE DETAIL - COMPOSITE PANEL TILE BRICK		
Cad File	Sheet Size	Scale
1485_DETAILS SET	A3	1:5
Drawn by	Drawing Date	Approved by
AM	NOV 2016	DW
Project No.	Drawing No.	Revision
1485	D06A-31	—

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PRELIMINARY

CLAY TILE ROOF (TO PROVIDE 0.13W/m²K U-VALUE):

- CLAY ROOF TILES ON 25x38mm TREATED SW BATTEN
- BREATHER MEMBRANE
- 50mm COUNTER BATTEN
- 150mm LIGHT STEEL FRAME SYSTEM WITH 2 LAYERS OF 120mm ECOTHERM ECO-VERSAL INSULATION IN BETWEEN
- VCL
- 15mm FIRELINE PLASTERBOARD.
- 12.5mm PLASTERBOARD
- ALL JOINTS TO BE TAPED AND SEALED



Client _____

Project Title

HADFRAME SYSTEM

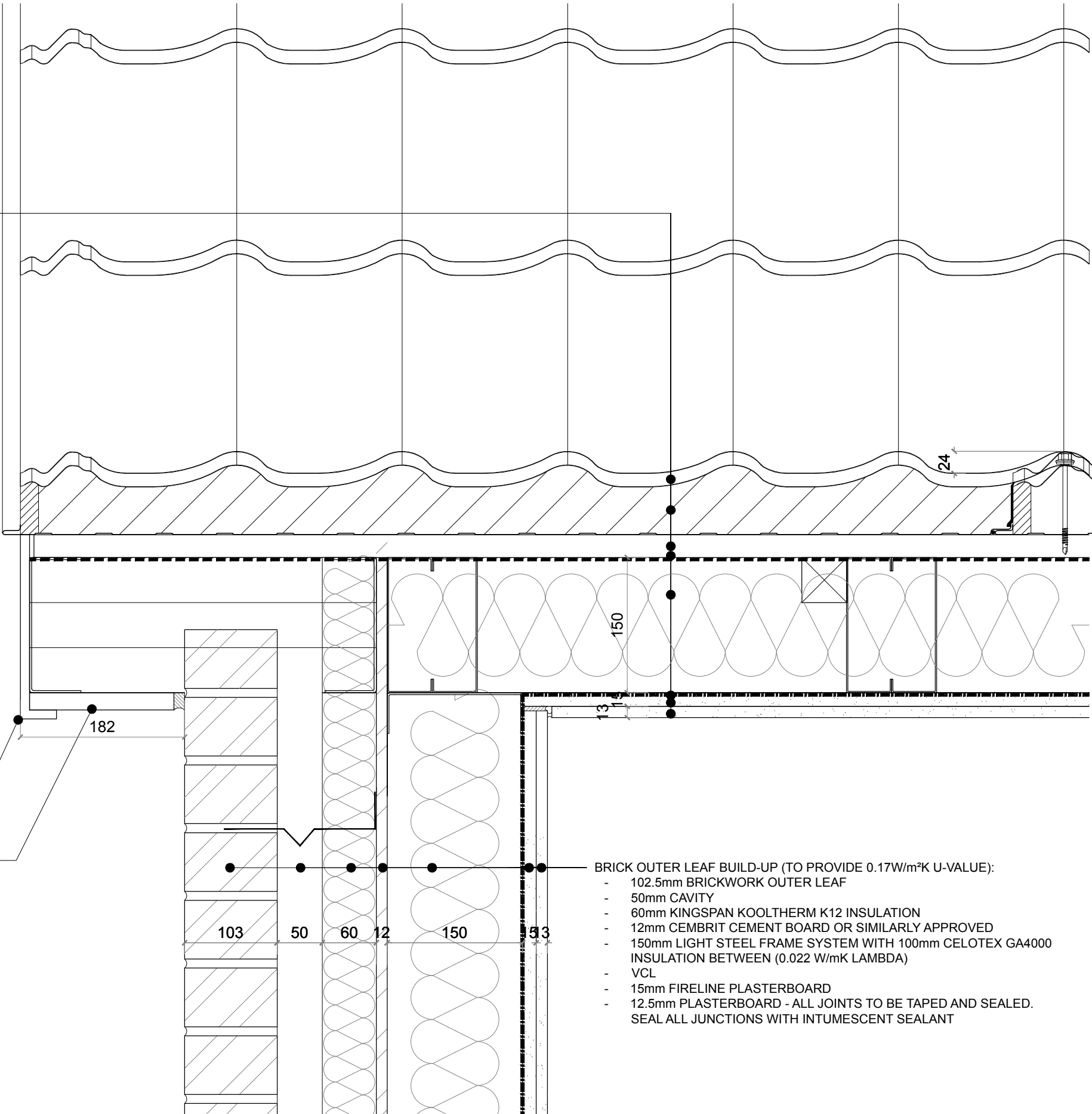
1485 DETAILS SET **A3** 1:5

PERFECT COMMERCIAL AND RESIDENTIAL STEEL SECTIONS

PRELIMINARY

NON-HABITABLE
ROOF VOID

- JI PERMAPAN 1100 PIR INSULATED PANELS (TO PROVIDE 0.13W/m²K U-VALUE):
- 24mm HPS 200 ULTRA TOP SHEET COATING
 - 40mm HIGH THERMAL PERFORMANCE PIR FOAM
 - BREATHER MEMBRANE
 - 50mm COUNTER BATTEN
 - 150mm LIGHT STEEL FRAME SYSTEM WITH 120mm ECOTHERM ECO-VERSAL INSULATION IN BETWEEN
 - VCL
 - 15mm FIRELINE PLASTERBOARD.
 - 12.5mm PLASTERBOARD
 - ALL JOINTS TO BE TAPED AND SEALED



Rev.	Date	Description	Init.
------	------	-------------	-------

Client

HADFRAME

Project Title

HADFRAME SYSTEM

Drawing Title		
3B5P		
VERGE DETAIL - COMPOSITE PANEL TILE		
BRICK		
Cad File	Sheet Size	Scale
1485_DETAILS SET A3	A3	1:5
Drawn by	Drawing Date	Approved by
AM	NOV 2016	DW
Project No.	Drawing No.	Revision
1485	D06A-41	—

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