

SupercreteTM

Sustainable Cost Effective Construction & Coating Systems



Block Details



SupercoatTM

100% NZ
Owned & Operated

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Contents

	Page		Page
10.0 Construction Details	3	10.5 Bond beam Details	24
10.1 General System Details	3	10.6 Window and Door Details	27
10.2 Foundation Details	8	10.7 Parapet and Roof Details	30
10.3 Wall Junction Details	13	10.8 Miscellaneous Details	35
10.4 Block Wall to Floor and Ceiling Junction Details	18		

Drawing Index

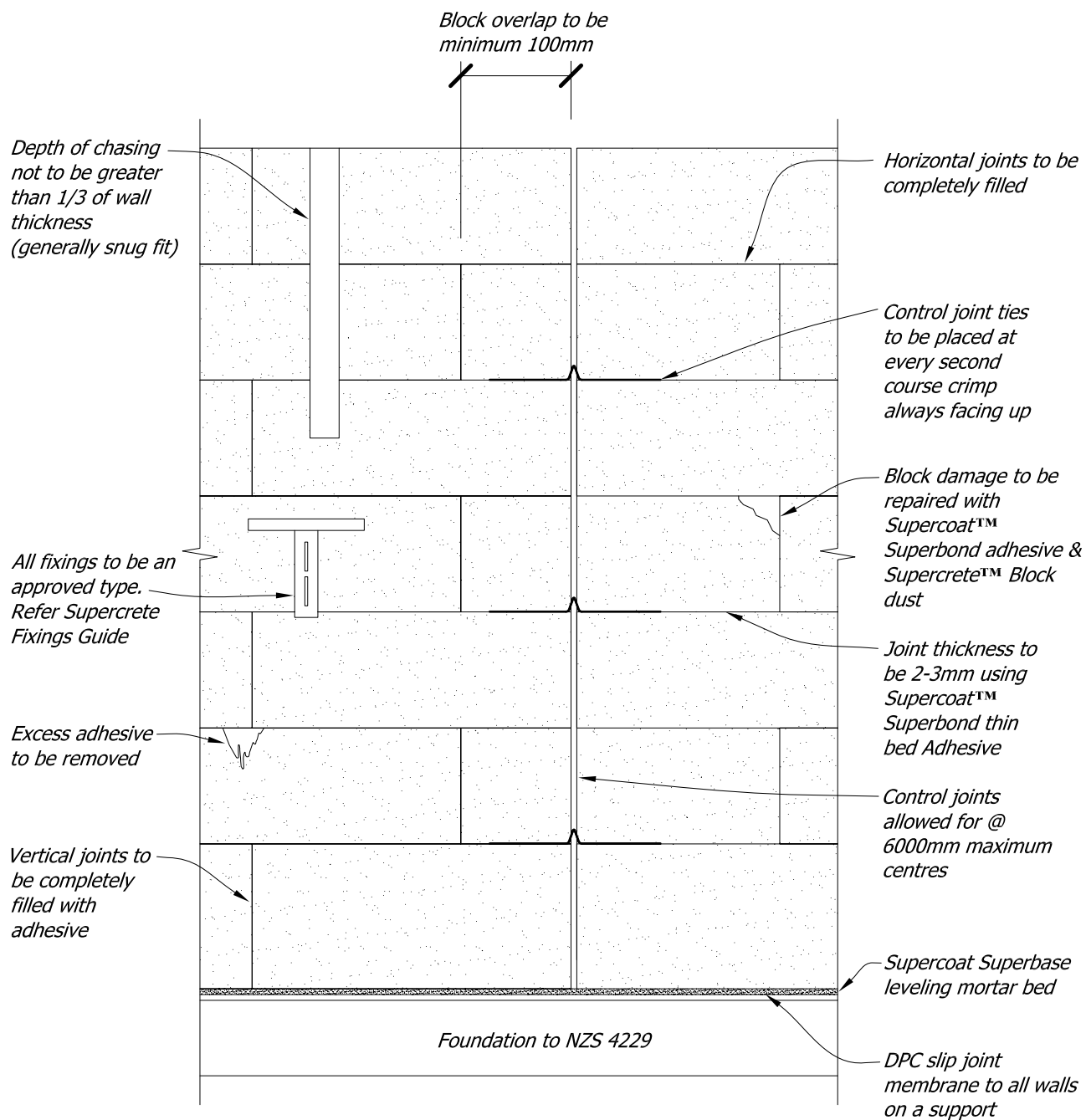
	Page		Page
BLK 1.2 Wall Construction Checklist	3	BLK 5.0 Cast In-situ Bond Beam Types	24
BLK 1.3 Base Course Setout for External Block Walls – 3D View	4	BLK 5.1 Movement Control Joint through Bond Beam	25
BLK 1.4 Typical Block Wall Construction including Bond beam – 3D View	4	BLK 5.2 Control Joint in Stepped Wall – Top of Wall Detail	26
BLK 1.5 Typical Window Formation with Cast In-situ Concrete Lintel – 3D View	5	BLK 6.1 Cast In-situ Lintel Types	27
BLK 1.6 Typical Movement Control Joint	6	BLK 6.2 Vertical Section through Aluminium Window	28
BLK 1.7 3D View of Garage Door for Supercrete Block	7	BLK 6.3 Timber Window Detail	29
BLK 1.8 Typical Parapet Detail – 3D view	7	BLK 7.0 Typical Parapet Detail	30
BLK 2.0 Foundation Edge Rebate Types	8	BLK 7.1 Typical Internal Gutter Detail	30
BLK 2.1 Internal Wall – Slab Thickening	9	BLK 7.2 Typical Internal Gutter Outlet Detail	31
BLK 2.2 Type 1 Foundation Detail	10	BLK 7.3 Typical Deck/Balcony Junction Detail	31
BLK 2.3 Type 2 Foundation Detail	10	BLK 7.4 Typical Apron Flashing	32
BLK 2.4 Type 3 Foundation Detail	11	BLK 7.5 Typical Supercrete Block Raking Soffit Junctions with Exposed Interior Rafters	32
BLK 2.5 Type 4 Foundation Detail	11	BLK 7.6 Typical 200mm Supercrete Block Soffit Junction	33
BLK 2.6 Type 5 Foundation Detail	12	BLK 7.7 Typical 250mm Supercrete Block Soffit Junction	33
BLK 2.7 Type 6 Foundation Detail	12	BLK 7.8 Typical 300mm Supercrete Block Soffit Junction	34
BLK 3.0 Typical External Wall & Internal Wall Junction	13	BLK 7.9 Typical Supercrete Block End Wall Soffit Junction	34
BLK 3.1 Alternative Internal to External Wall Junction	14	BLK 10.0 Typical Pergola Support Bracket	35
BLK 3.2 Plan of Supercrete Block to Supercrete Panel Cladding Joint	15	BLK 10.1 Pipe/Conduit Penetration through Supercrete Block Wall	36
BLK 3.3 Plan of Supercrete Block to Supercrete Panel Cladding Corner Joint	16	BLK 10.2 Vertical Section through Meterbox	37
BLK 3.4 Junction of Weatherboards to Supercrete Block	17	BLK 10.3 Typical Steel Column Encased in Supercrete Block	38
BLK 4.0 Supercrete Block to Supercrete Structural Floor Junction	18	BLK 10.4 Typical Arrangement of Steel Portal Frame Encased in Block Wall	38
BLK 4.1 Supercrete Block to Timber Joist Framed Floor Connection Detail	19	BLK 10.5 Typical Knee Detail for Steel Portal Frame Encased in Block	39
BLK 4.2 Internal Supercrete Block Wall to Supercrete Panel Floor	20	BLK 10.6 Typical Knee Detail for Concrete Portal Encased in Block	40
BLK 4.3 Supercrete Block to Supercrete Panel Gable Horizontal Joint	21	BLK 10.7 Cast-in Hardwood Beam Section	41
BLK 4.4 Supercrete Block to Supercrete Panel Cladding Horizontal Movement Joint	22	BLK 10.8 Cast-in Hardwood Beam Plan and Elevation	42
BLK 4.5 Supercrete Block to Supercrete Panel Floor Junction	23		

All drawings are available as downloadable CAD files at www.superbuild.co.nz (File types .pdf, .dxf and .dwg)

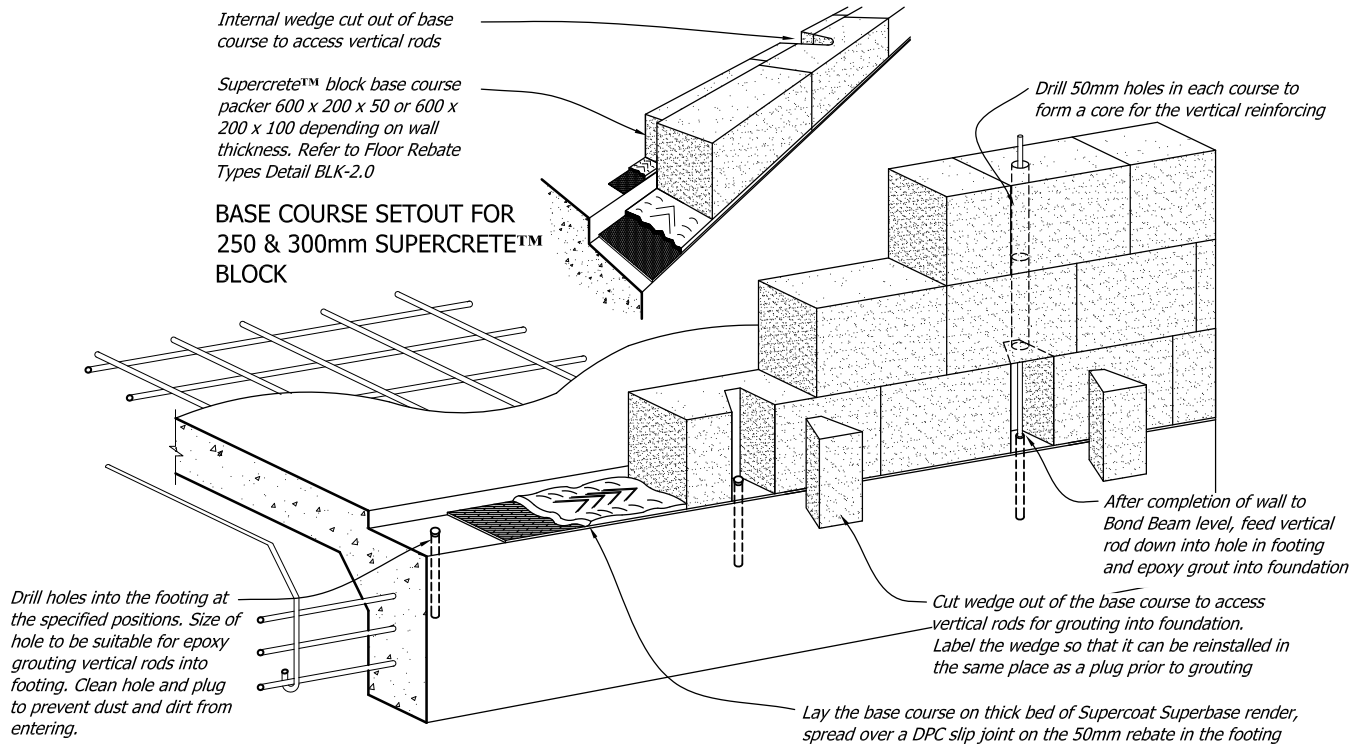
10.0 Construction Details

10.1 General System Details

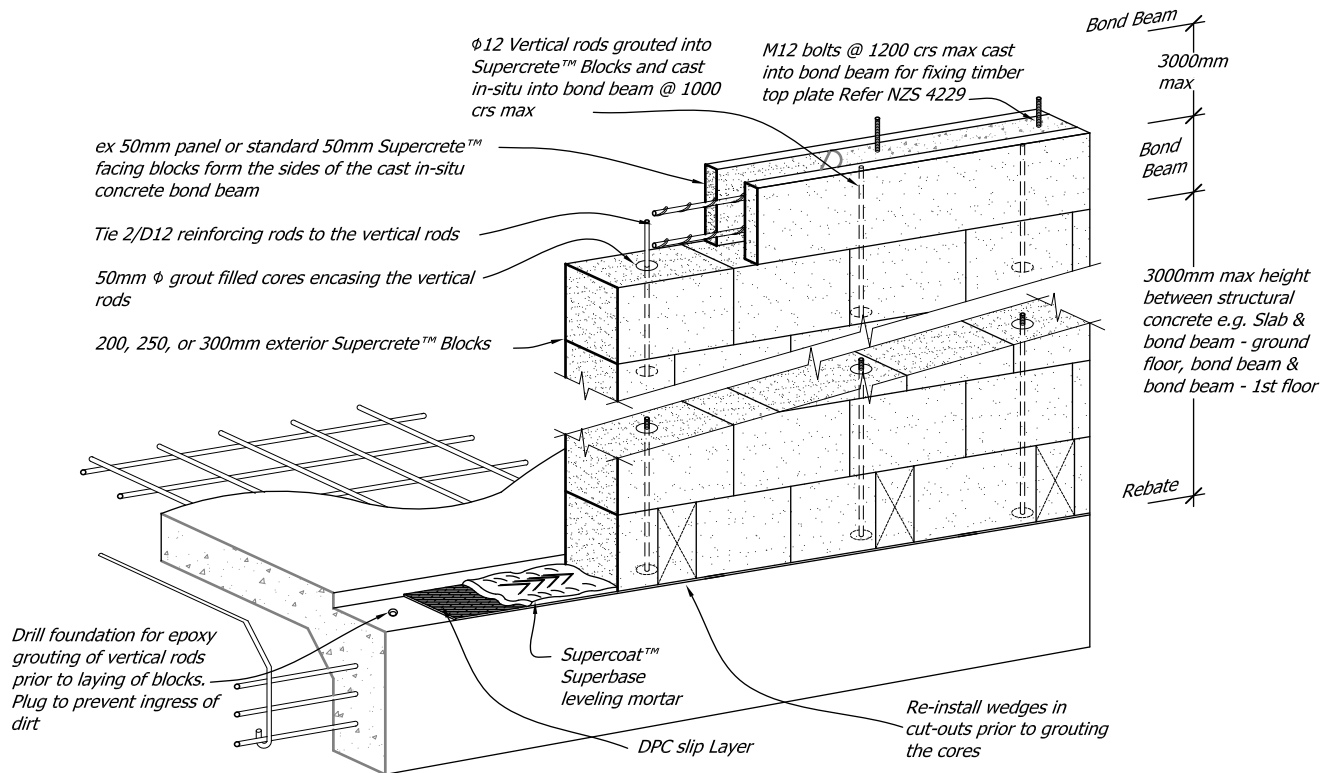
BLK 1.2 Wall Construction Checklist



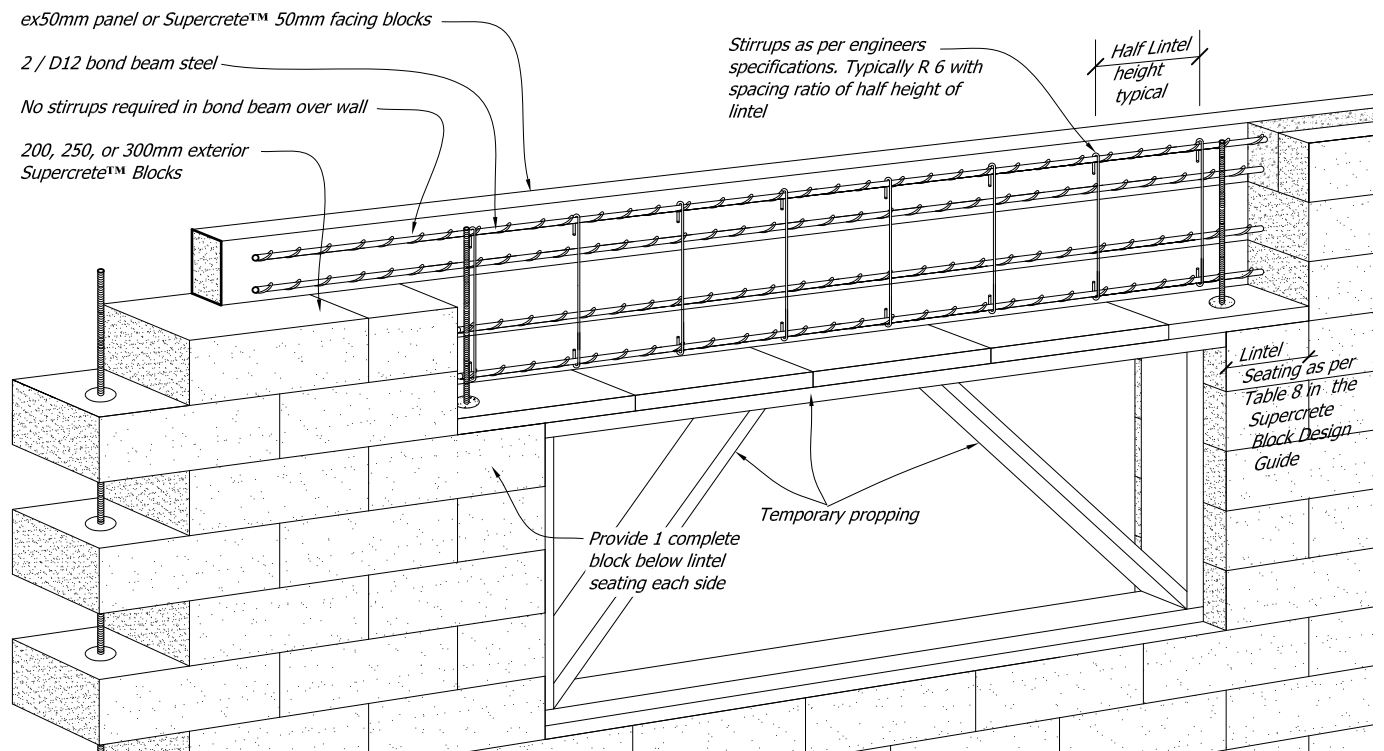
BLK 1.3 Base Course Setout for External Block Walls – 3D View



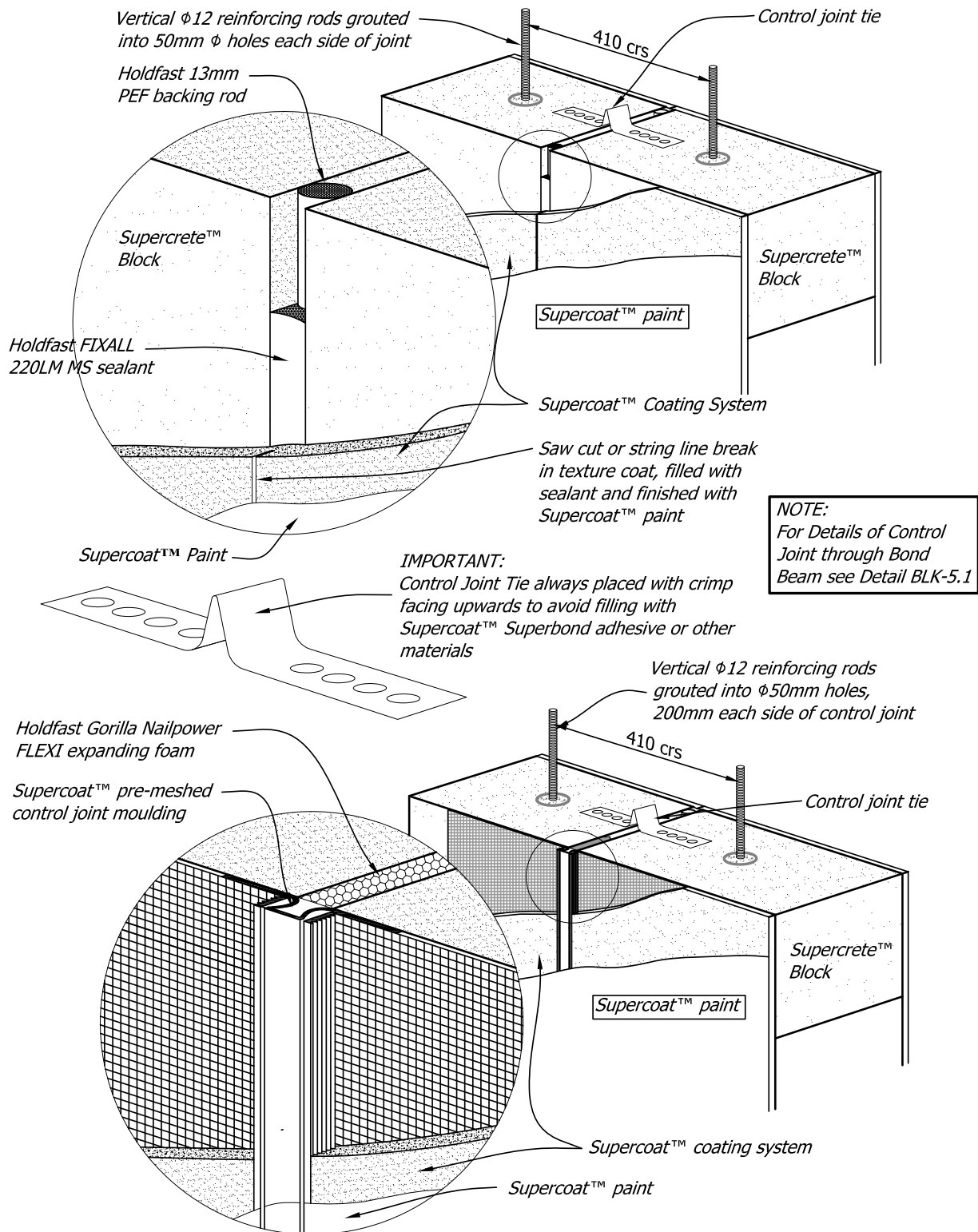
BLK 1.4 Typical Block Wall Construction including Bond Beam – 3D View



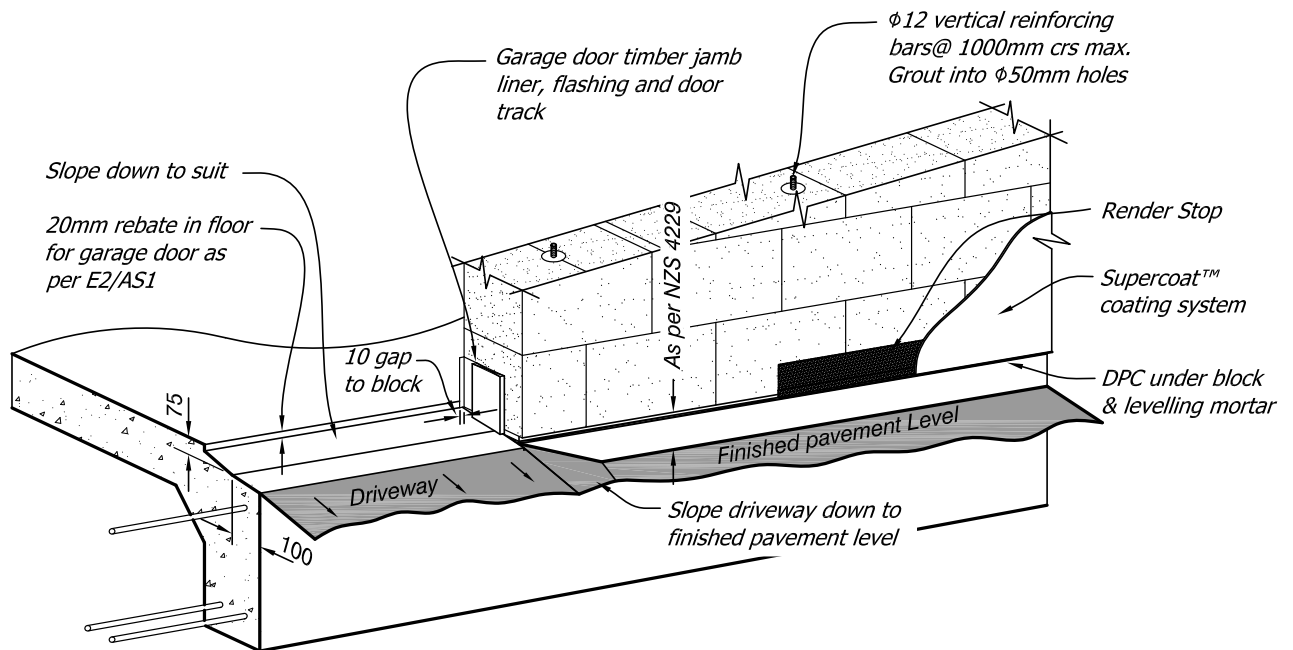
BLK I.5 Typical Window Formation with Cast In-situ Concrete Lintel – 3D View



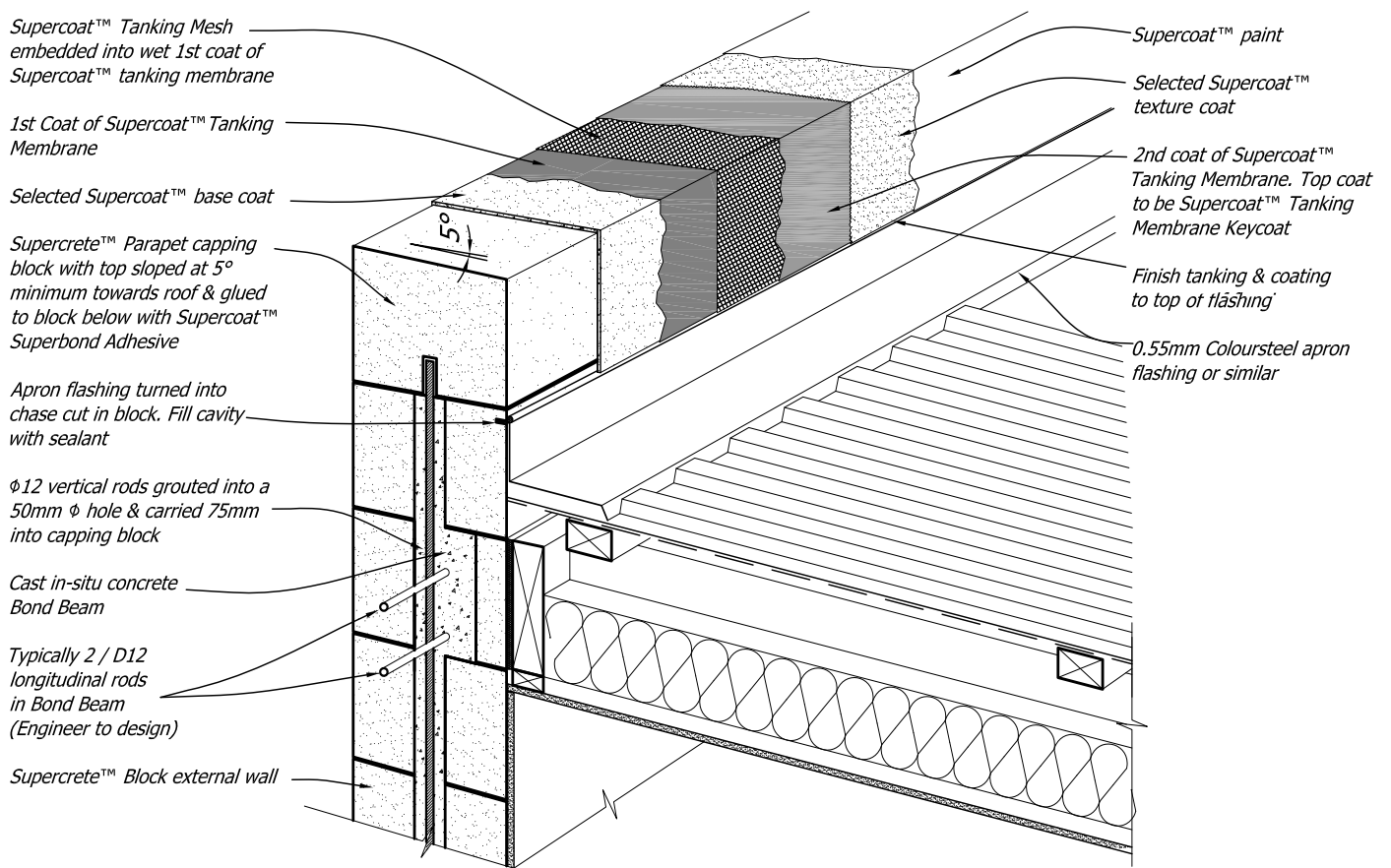
BLK 1.6 Typical Movement Control Joint



BLK 1.7 3D of Garage Door for Supercrete™ Block

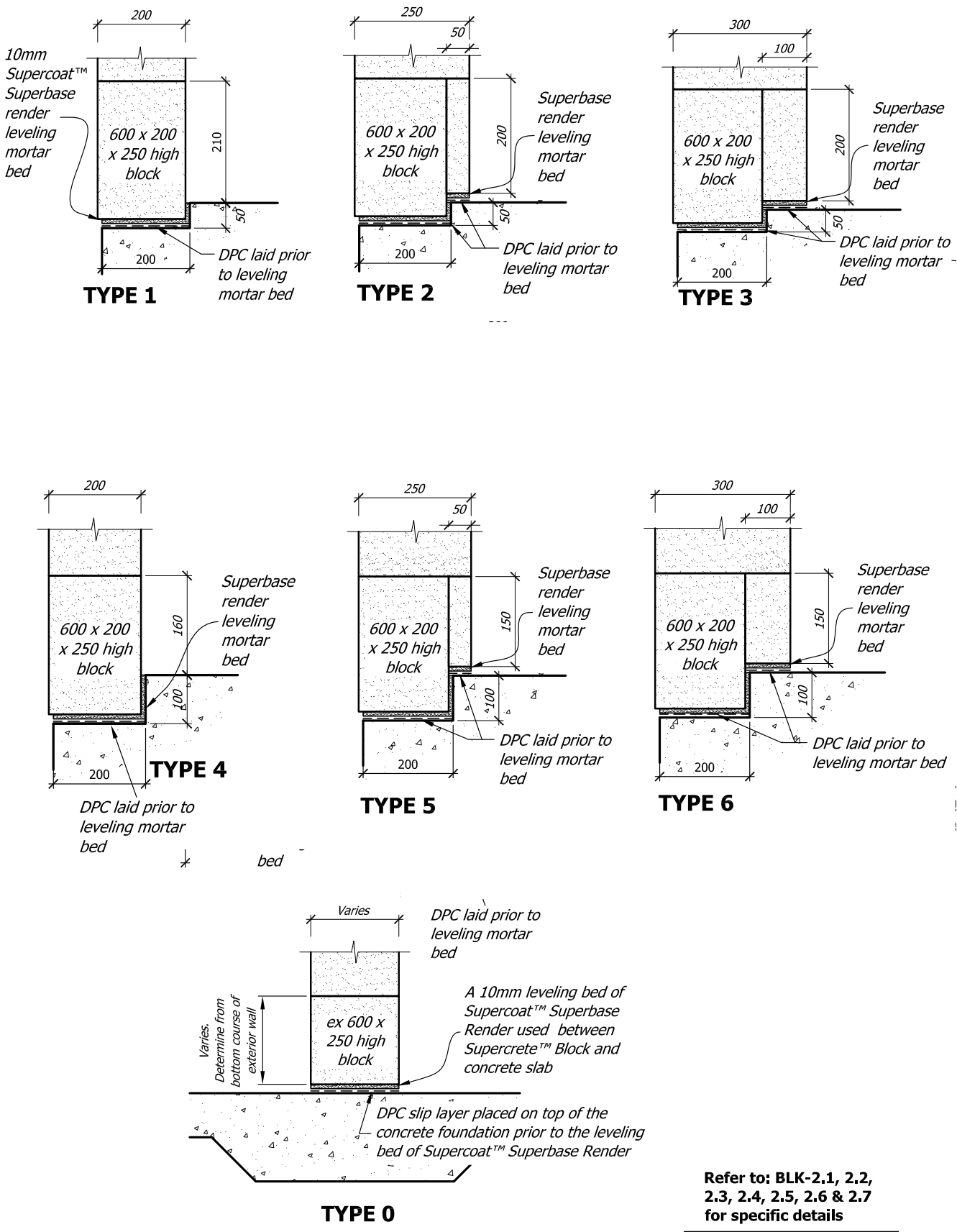


BLK 1.8 Typical Parapet Detail – 3D View

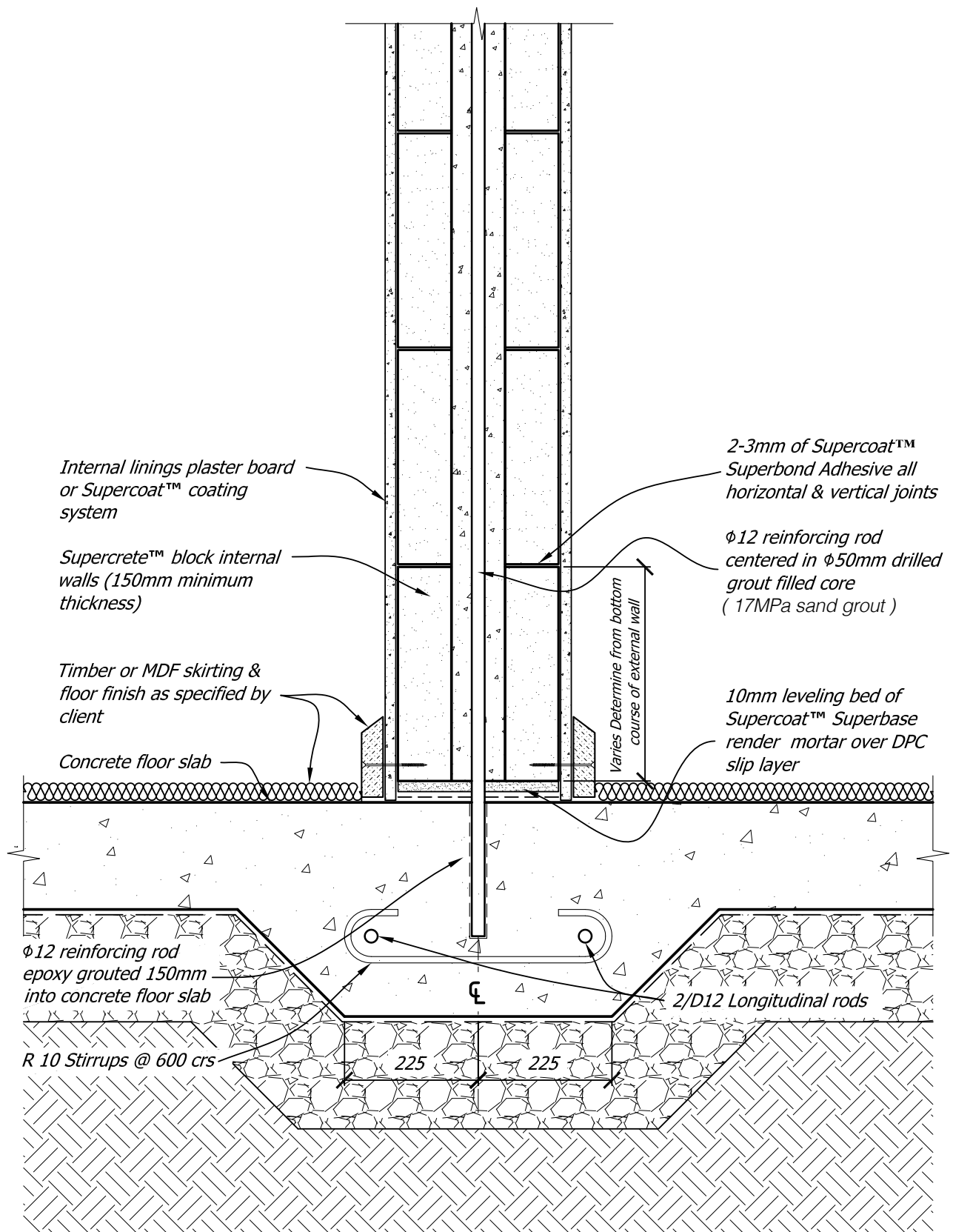


10.2 Foundation Details

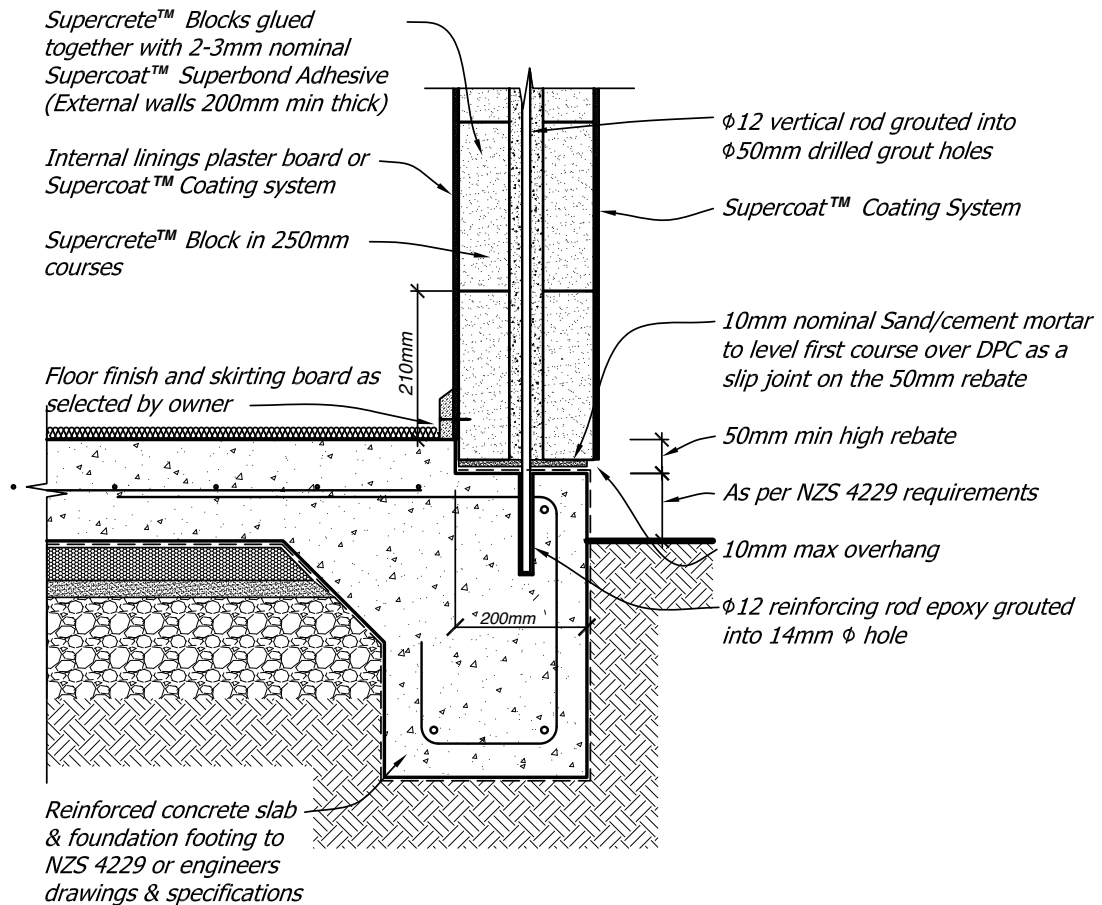
BLK 2.0 Foundation Edge Rebate Types



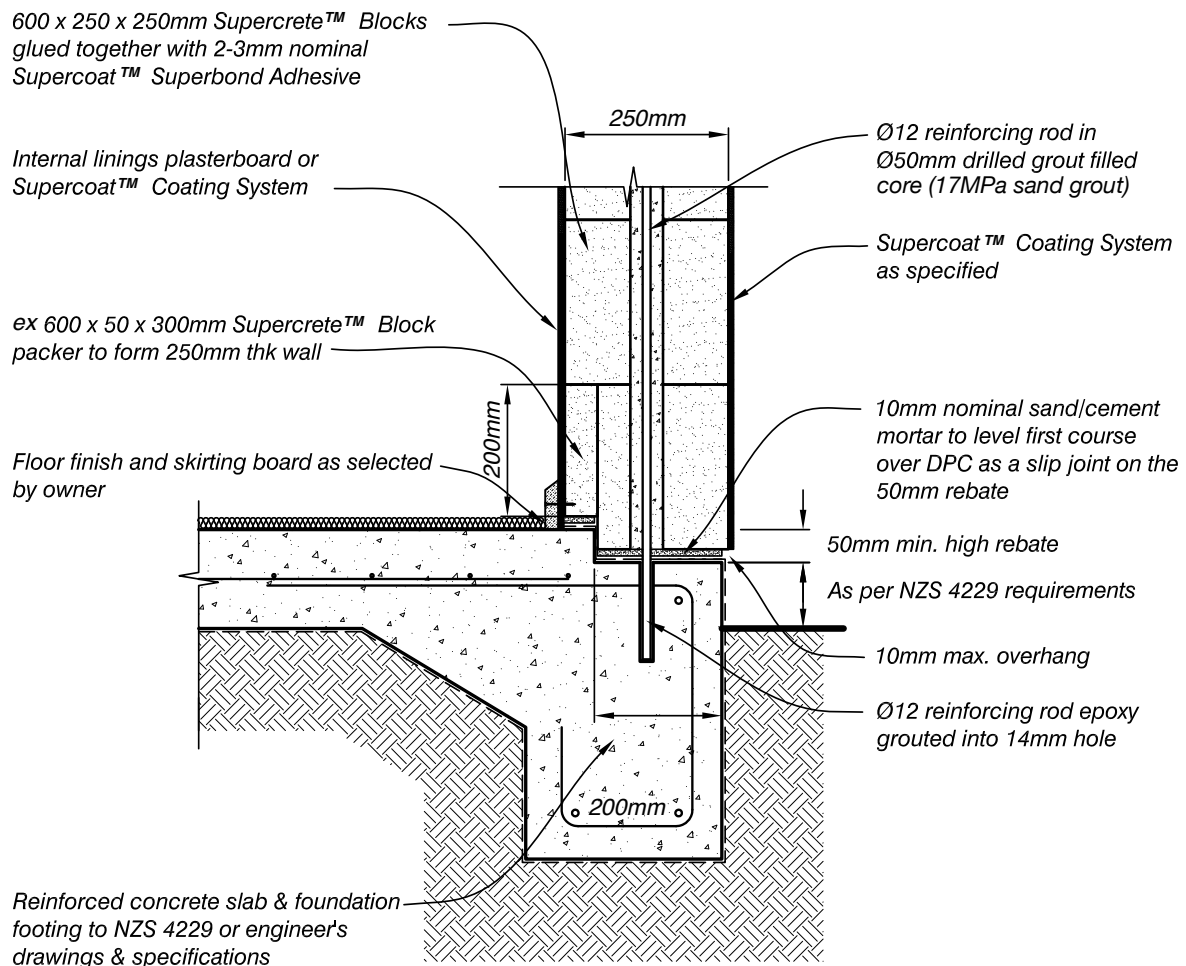
BLK 2.1 Internal Wall Slab Thickening



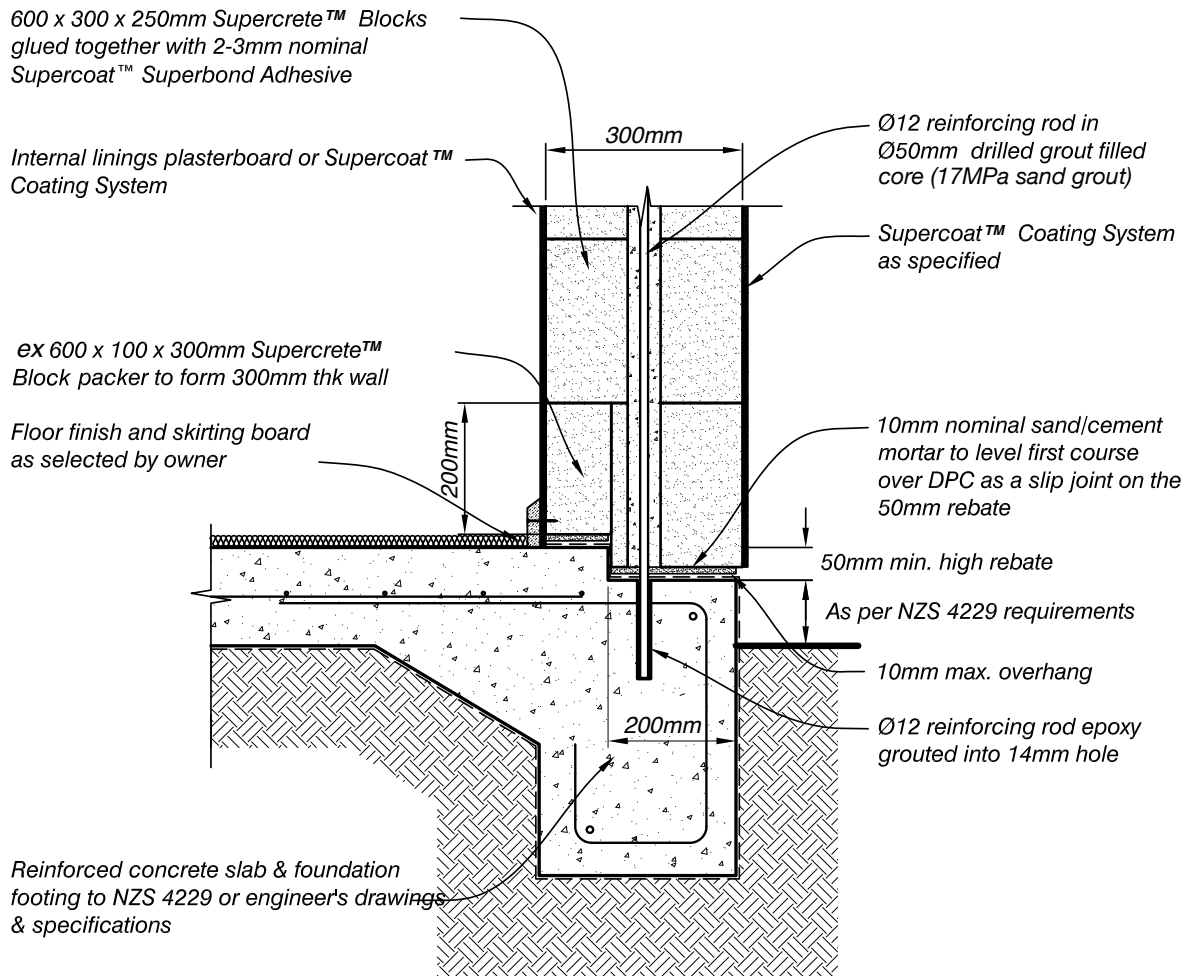
BLK 2.2 Type I Foundation



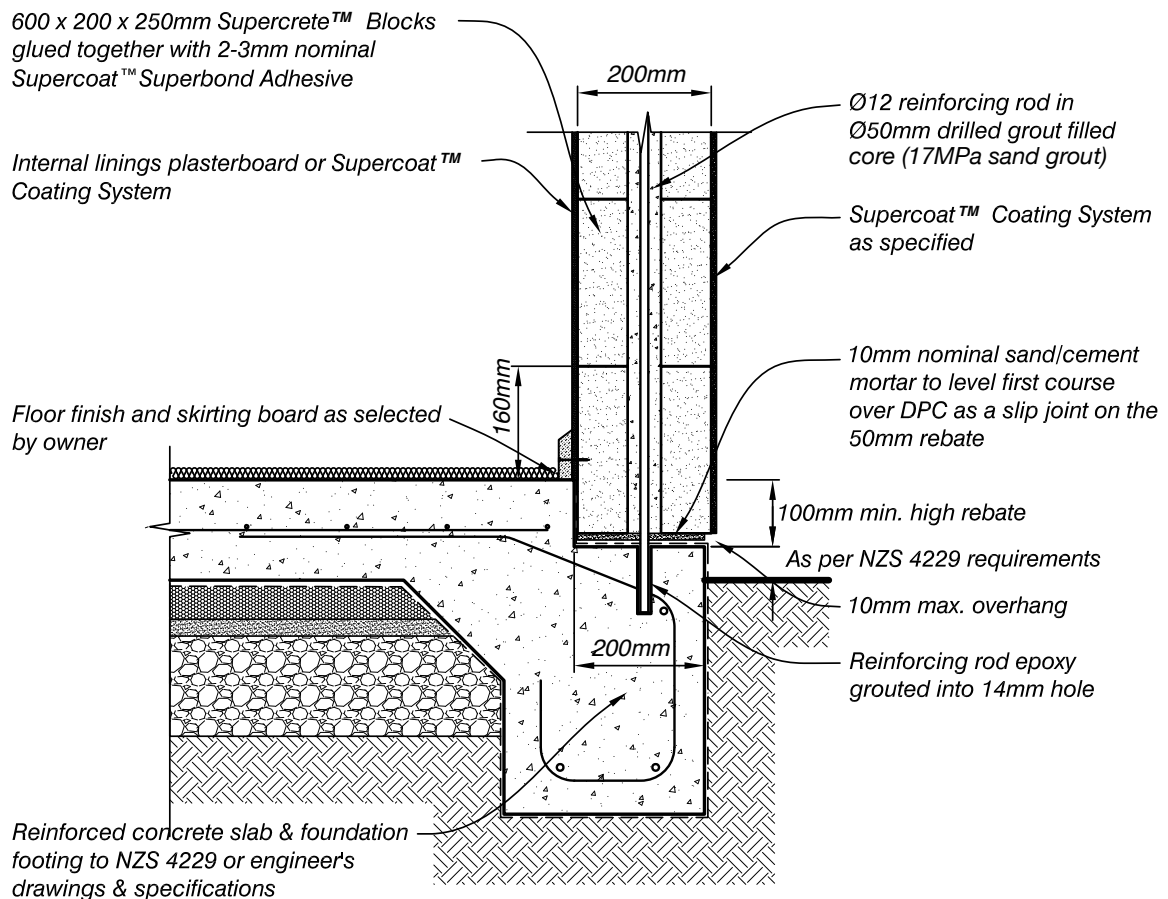
BLK 2.3 Type 2 Foundation



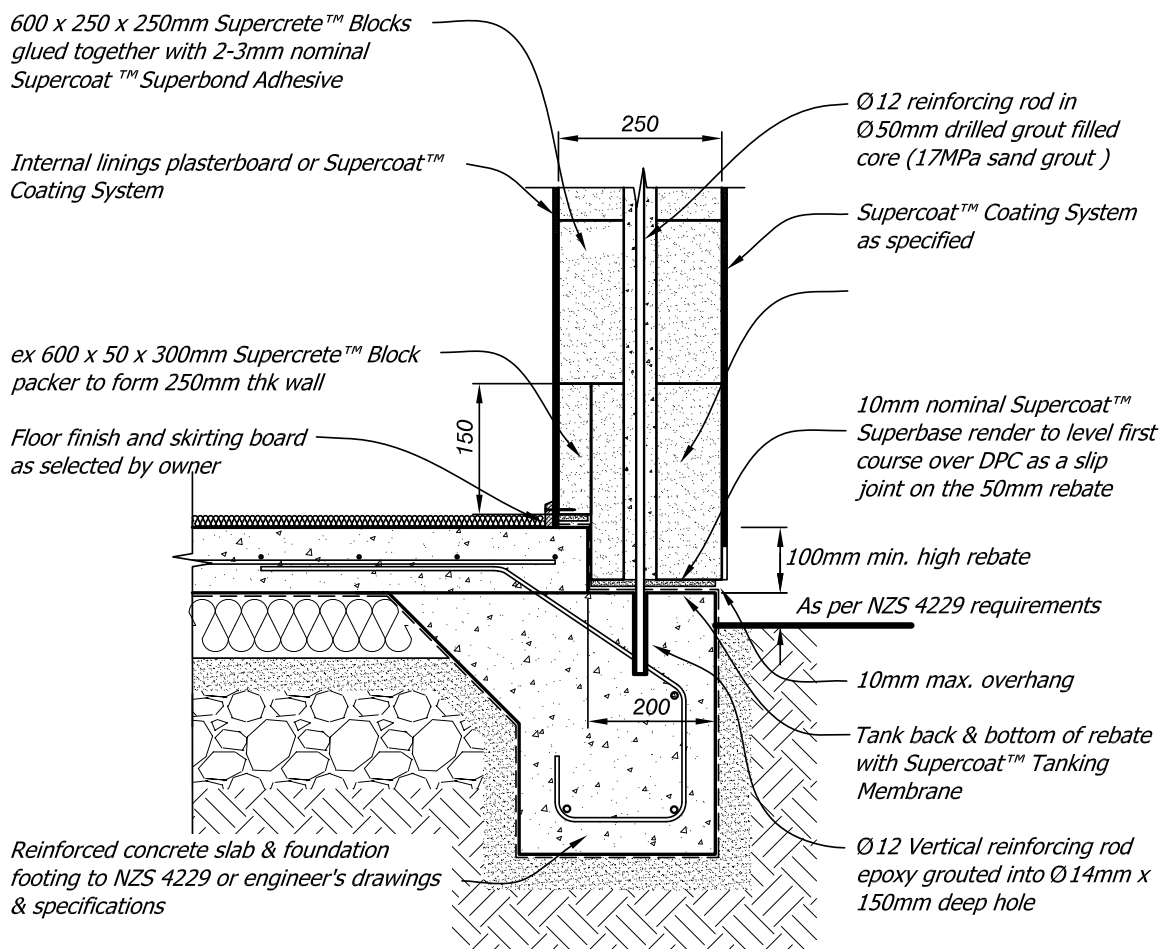
BLK 2.4 Type 3 Foundation



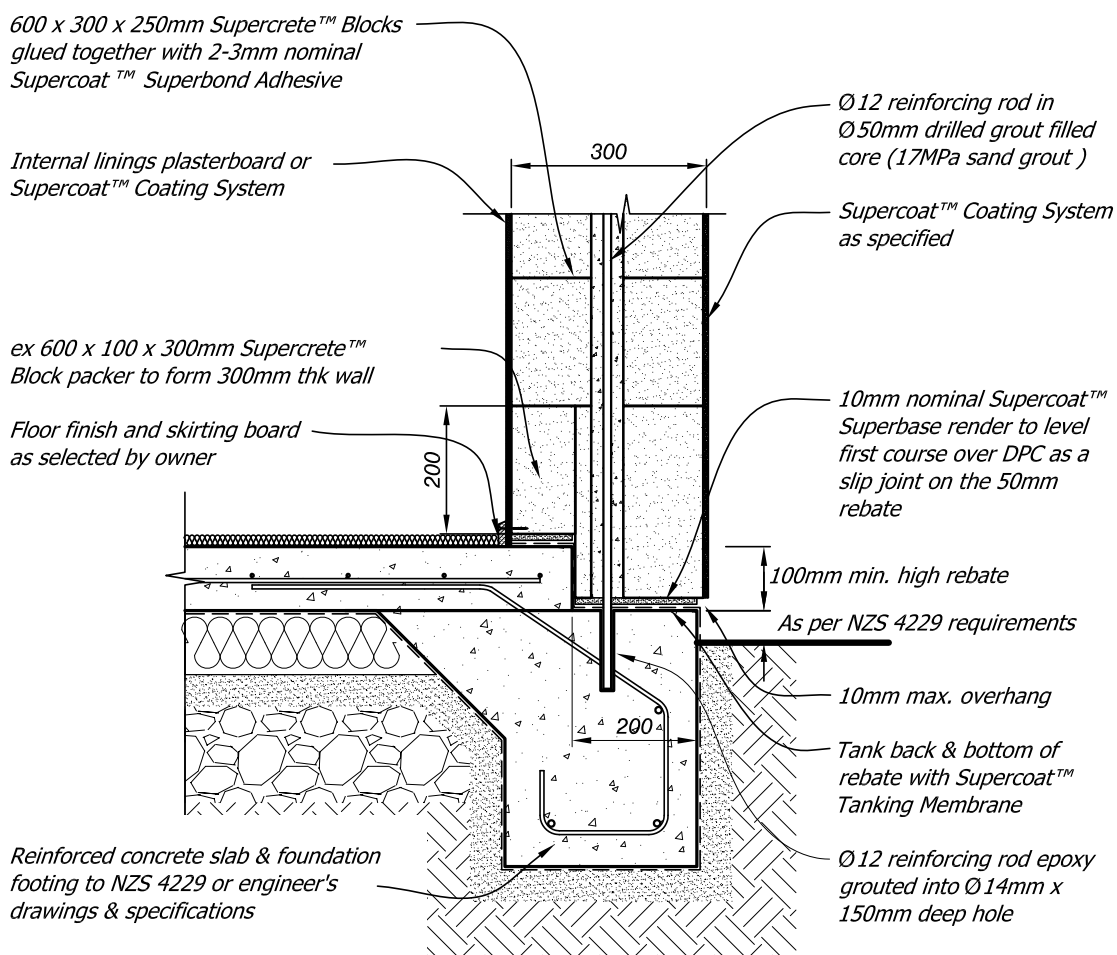
BLK 2.5 Type 4 Foundation



BLK 2.6 Type 5 Foundation Detail

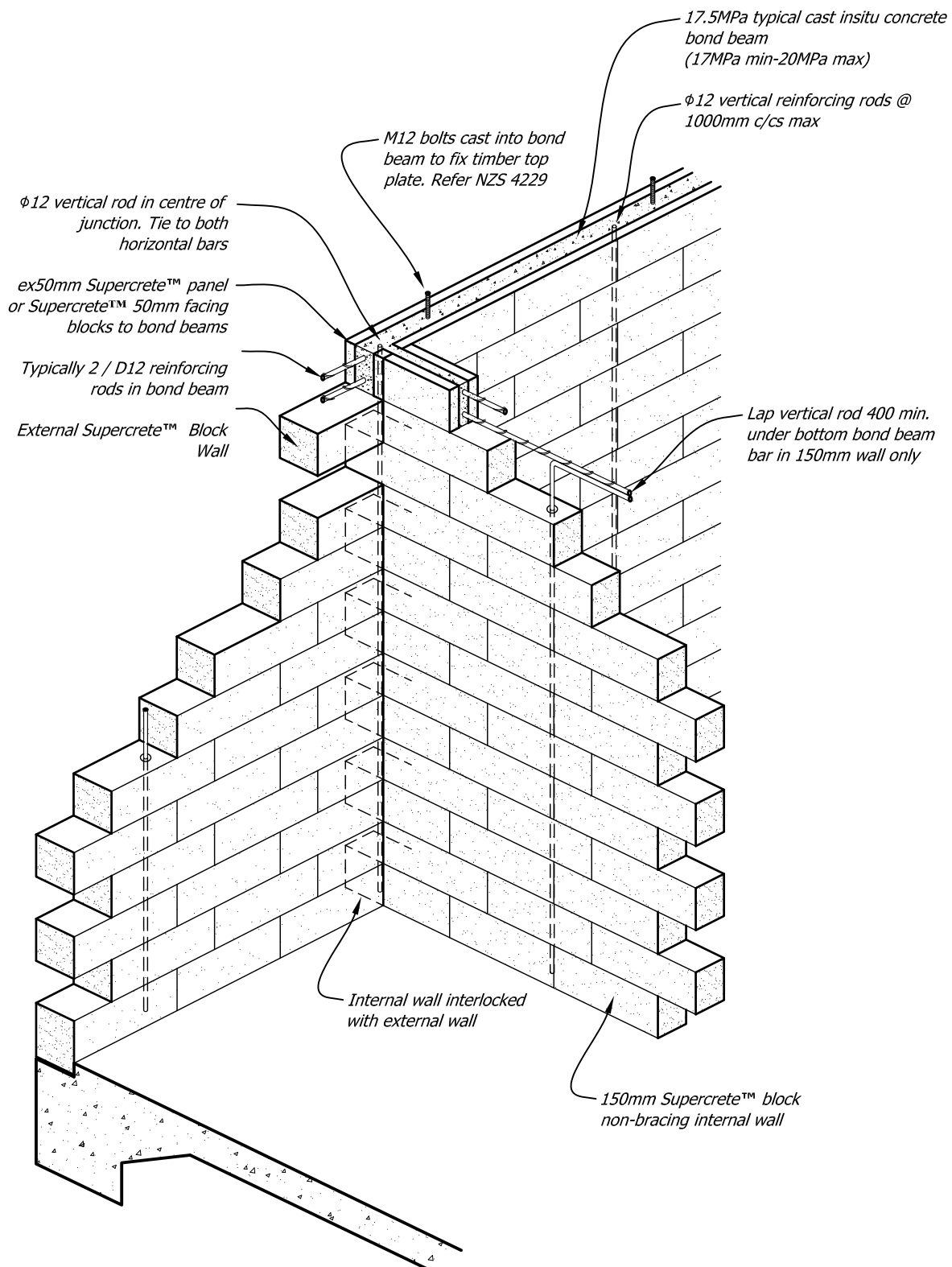


BLK 2.7 Type 6 Foundation Detail

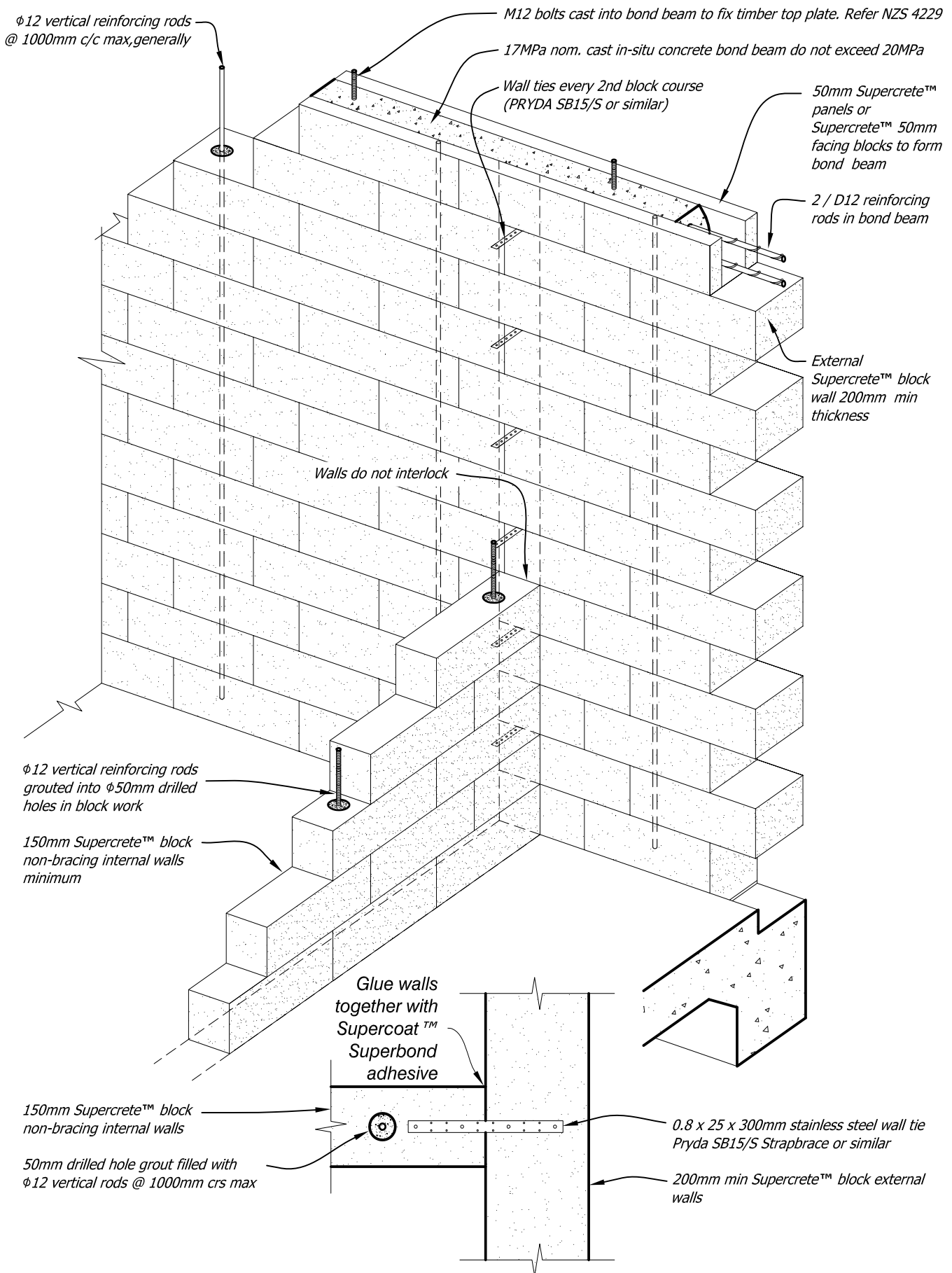


10.3 Wall Junction Details

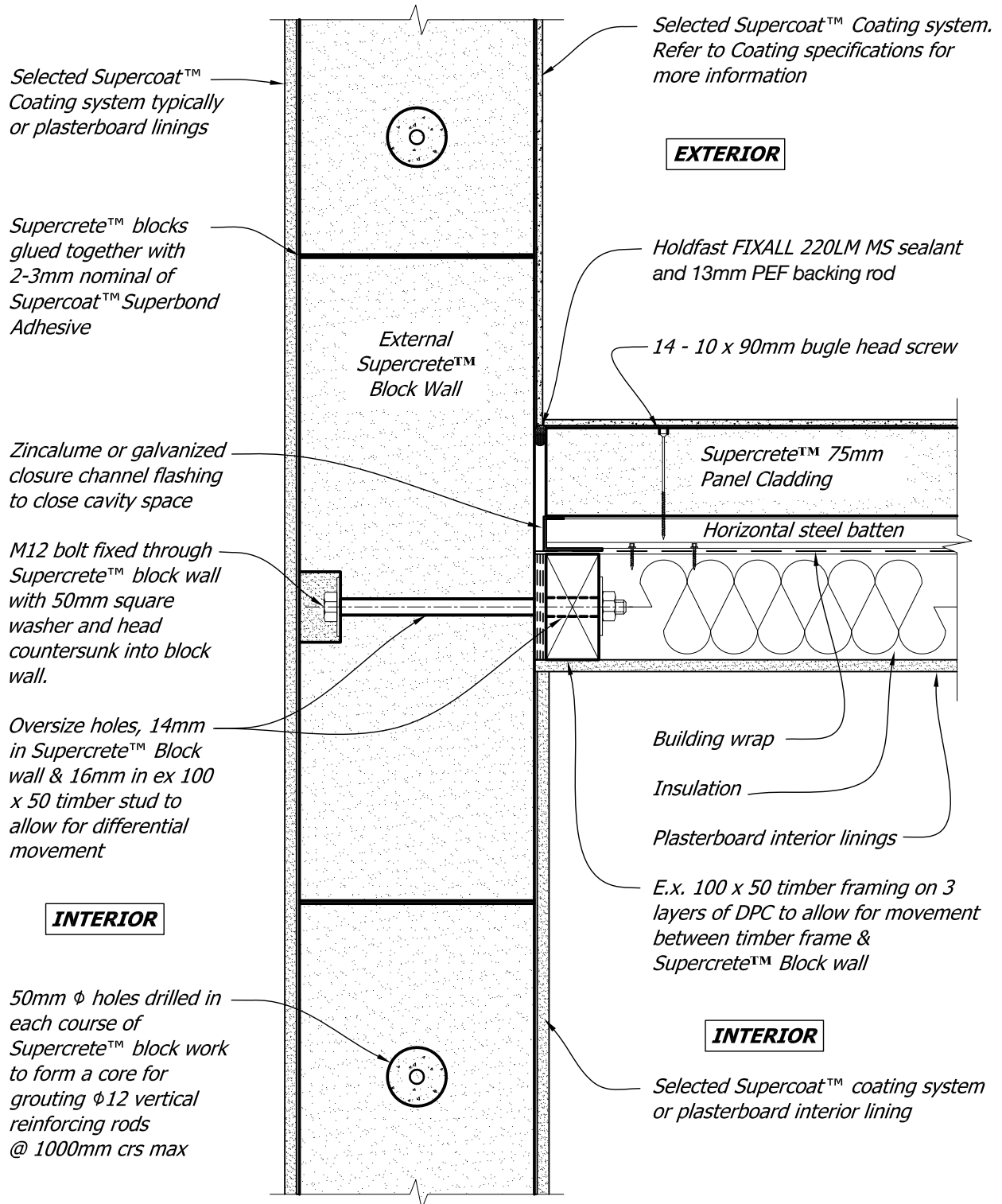
BLK 3.0 Typical External Wall & Internal Wall Junction



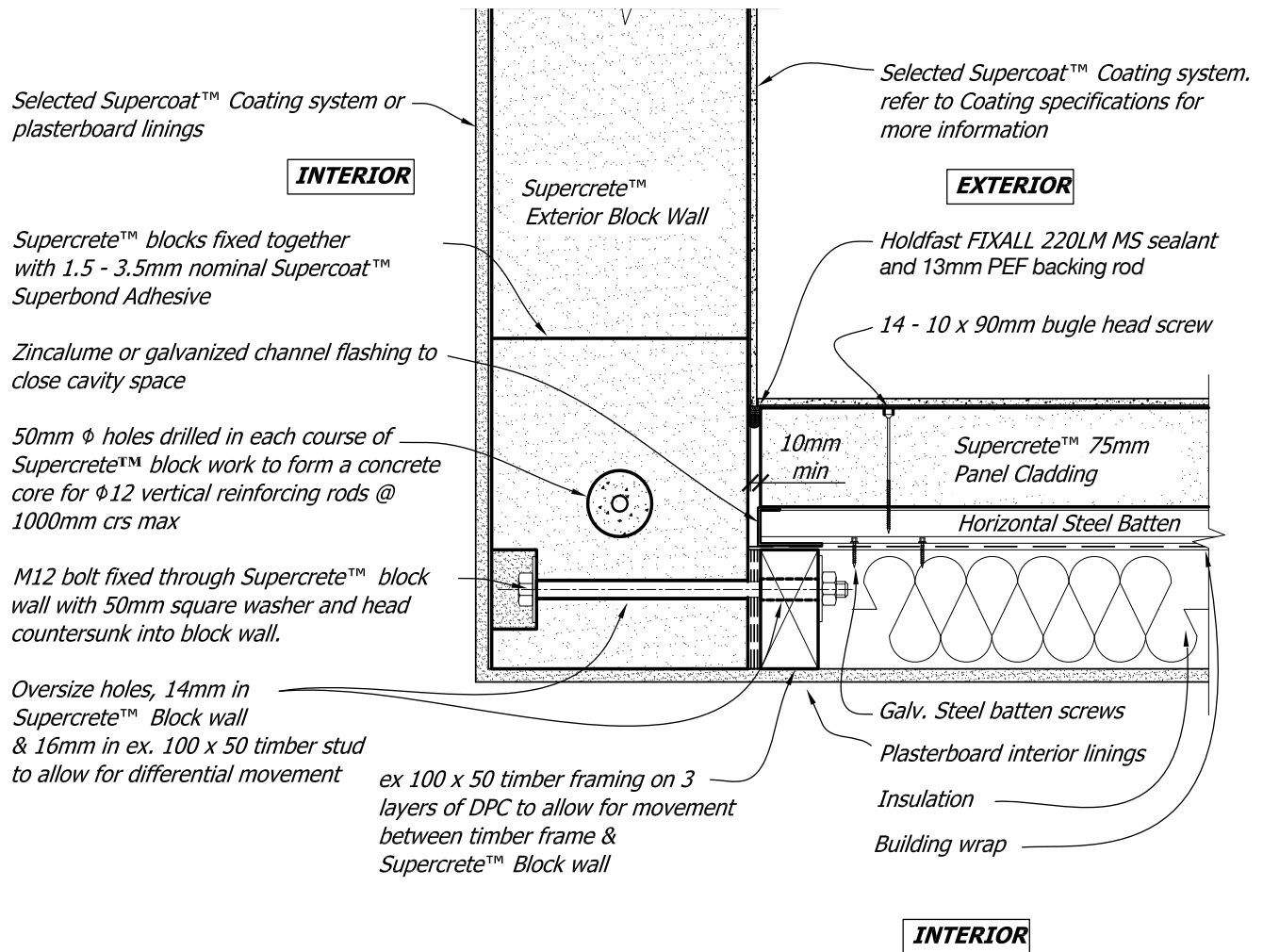
BLK 3.1 Alternative External to Internal Wall Junction



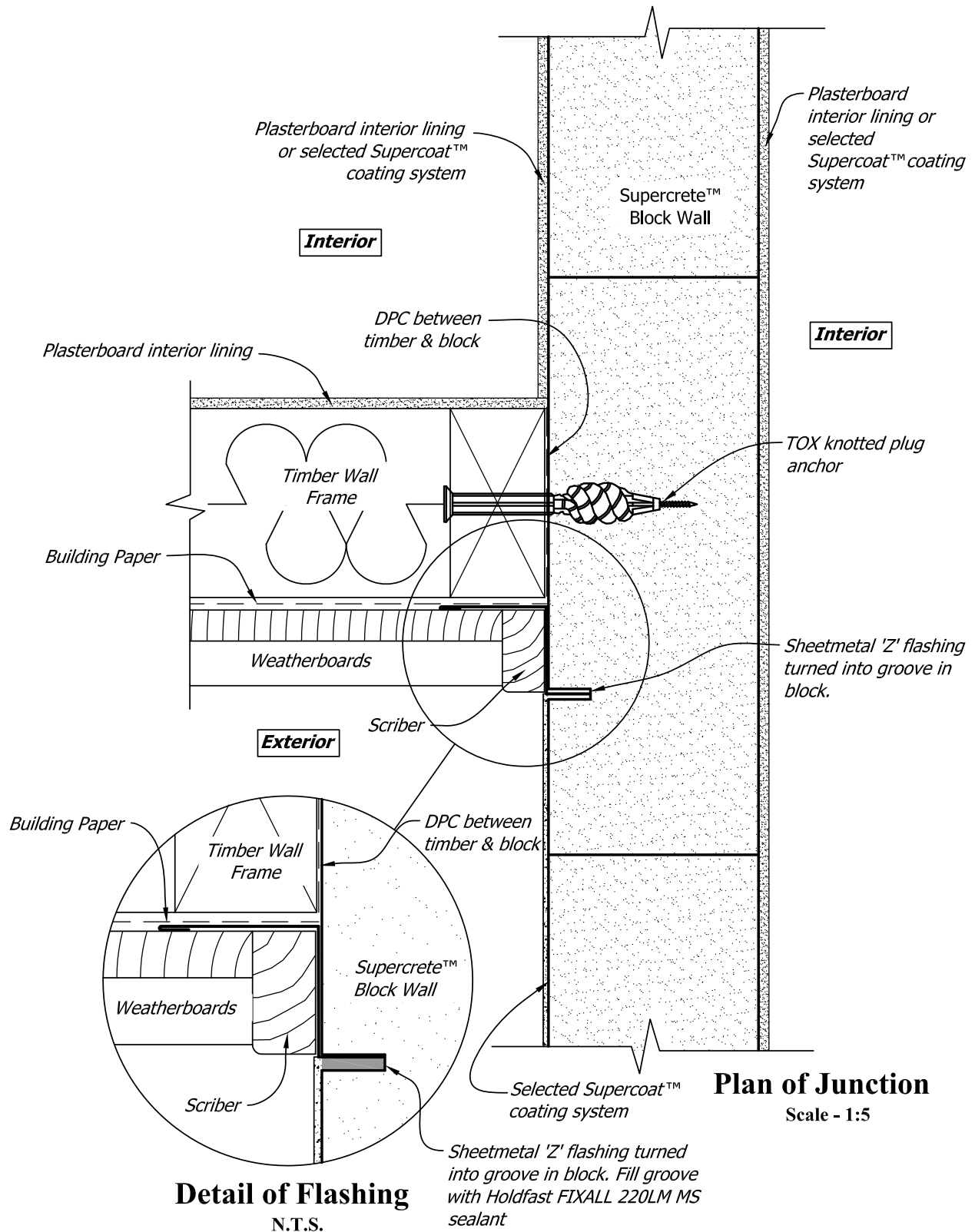
BLK 3.2 Plan of Supercrete™ Block to Supercrete Panel Cladding Joint



BLK 3.3 Plan of Supercrete™ Block to Supercrete Panel Cladding Corner Joint

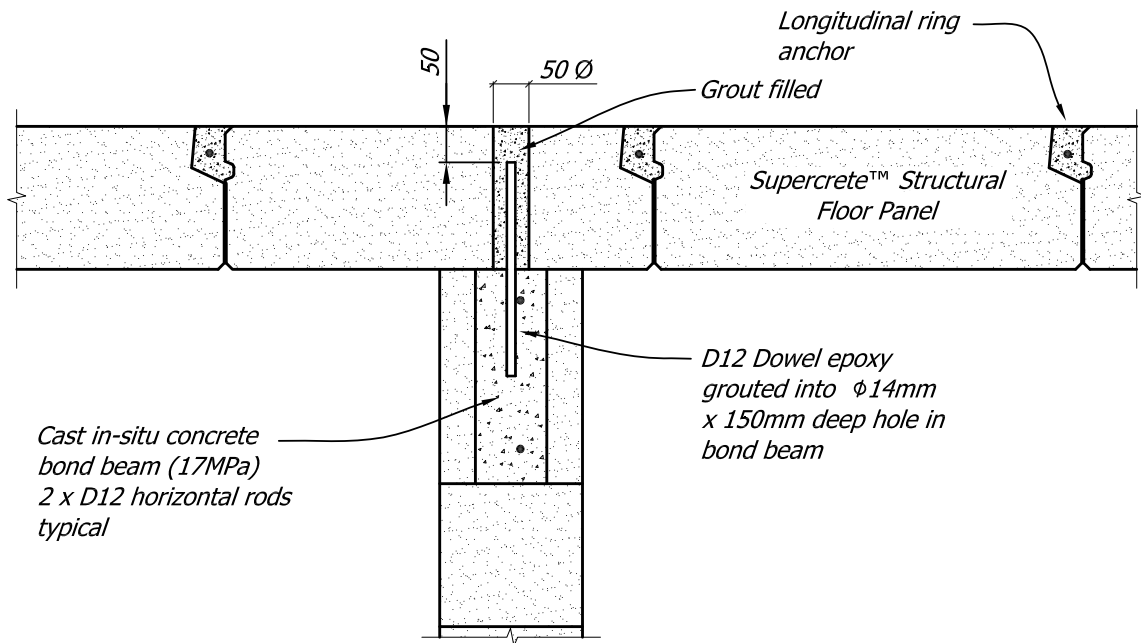


BLK 3.4 Junction of Weatherboards to Supercrete™ Block

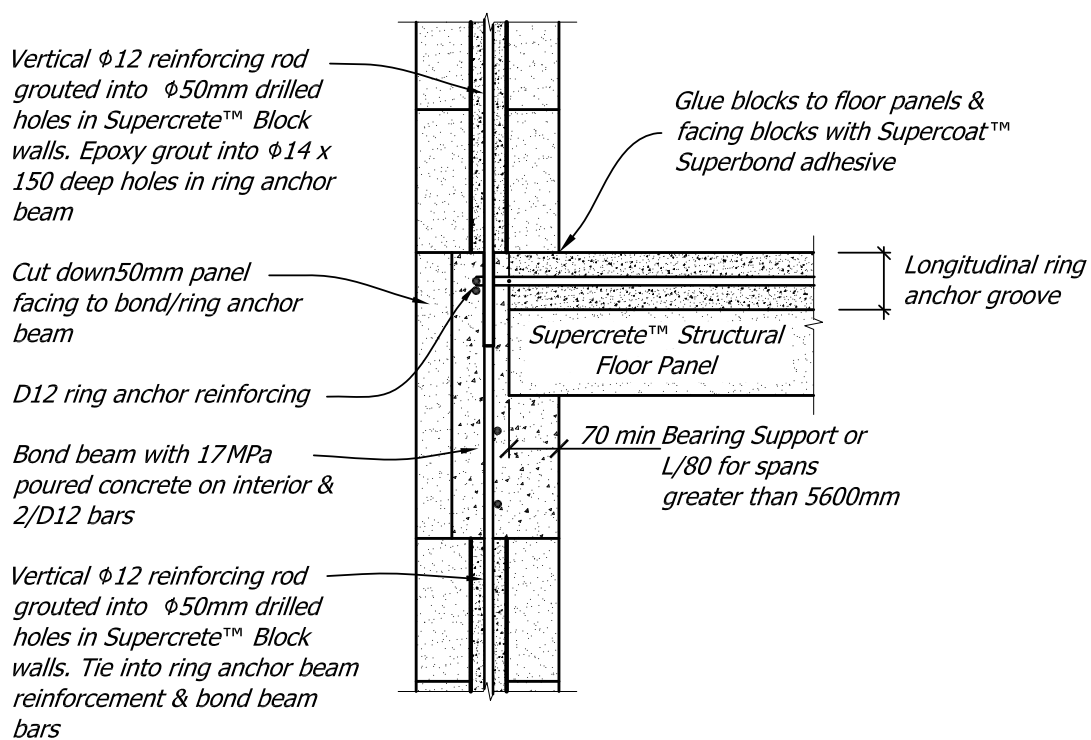


10.4 Block Wall to Floor and Ceiling Junction Details

BLK 4.0 Supercrete™ Block to Supercrete Structural Floor Junction

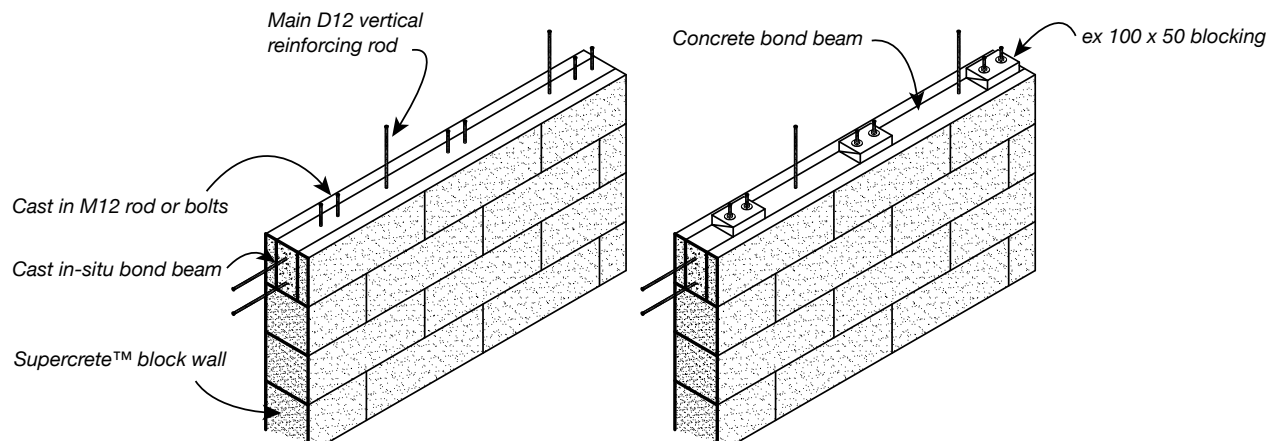


TYPICAL DETAIL FOR FLOOR PANEL
TO INTERMEDIATE WALL CONNECTION



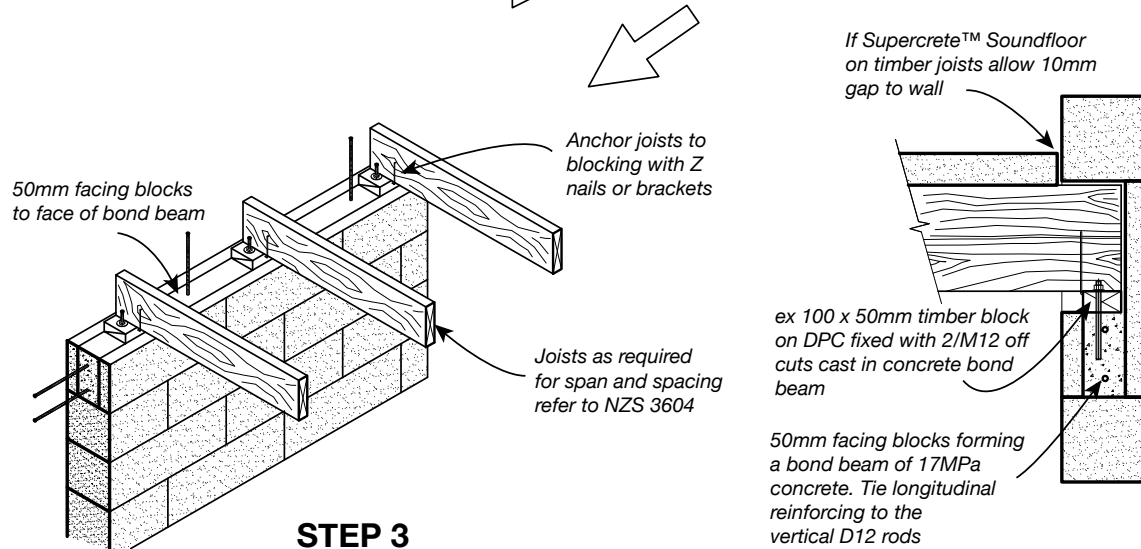
TYPICAL DETAIL FOR END SUPPORT OF
FLOOR PANELS

BLK 4.1 Supercrete™ Block to Timber Joist Framed Floor Connection Detail



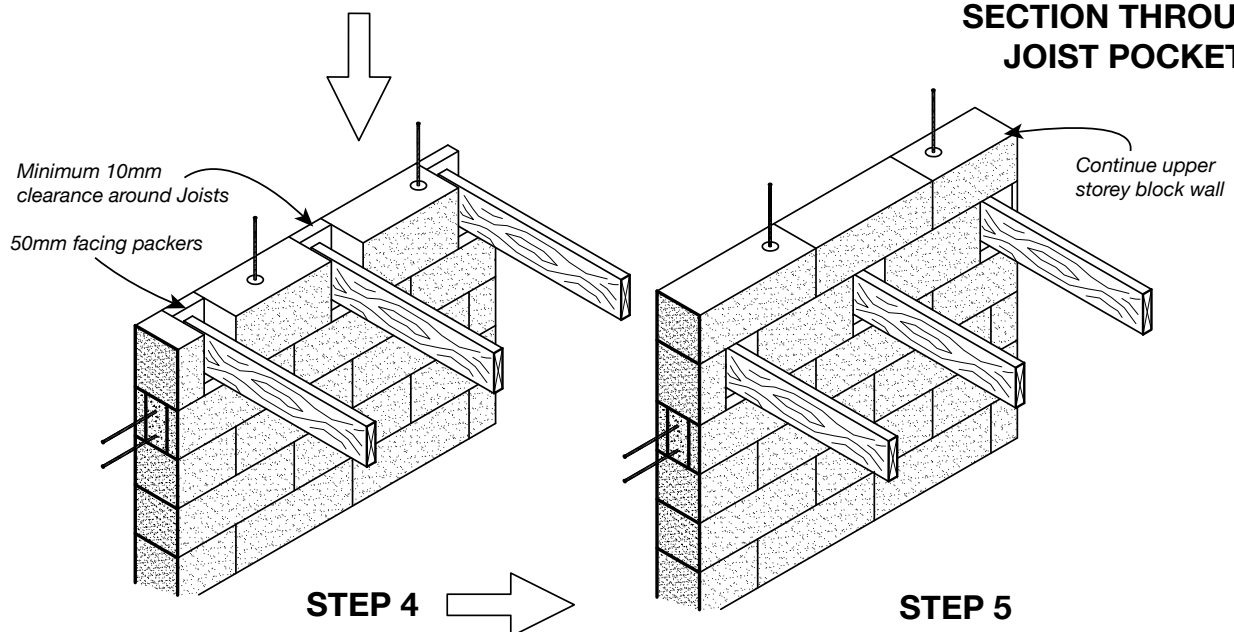
STEP 1

STEP 2



STEP 3

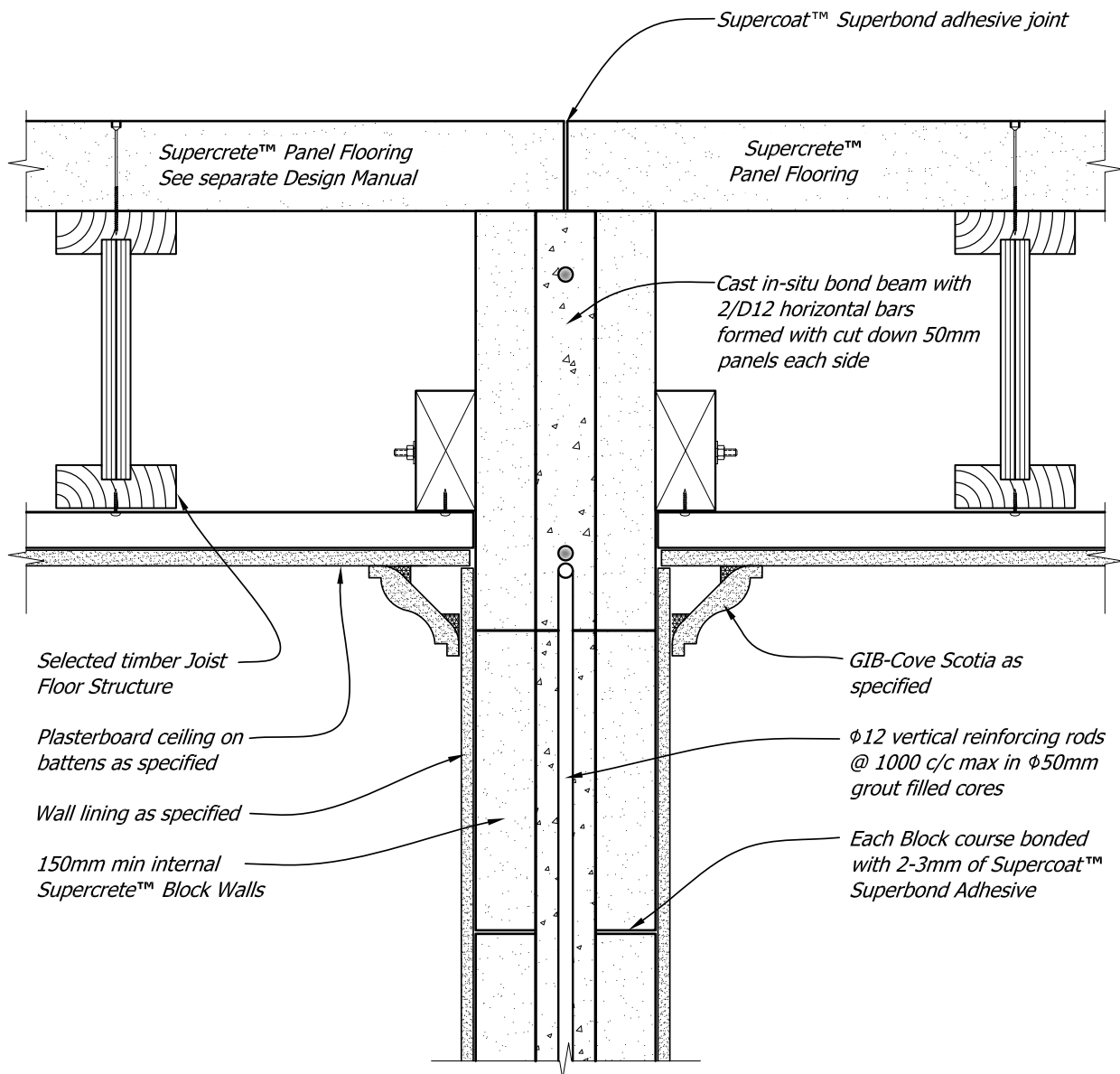
SECTION THROUGH JOIST POCKET



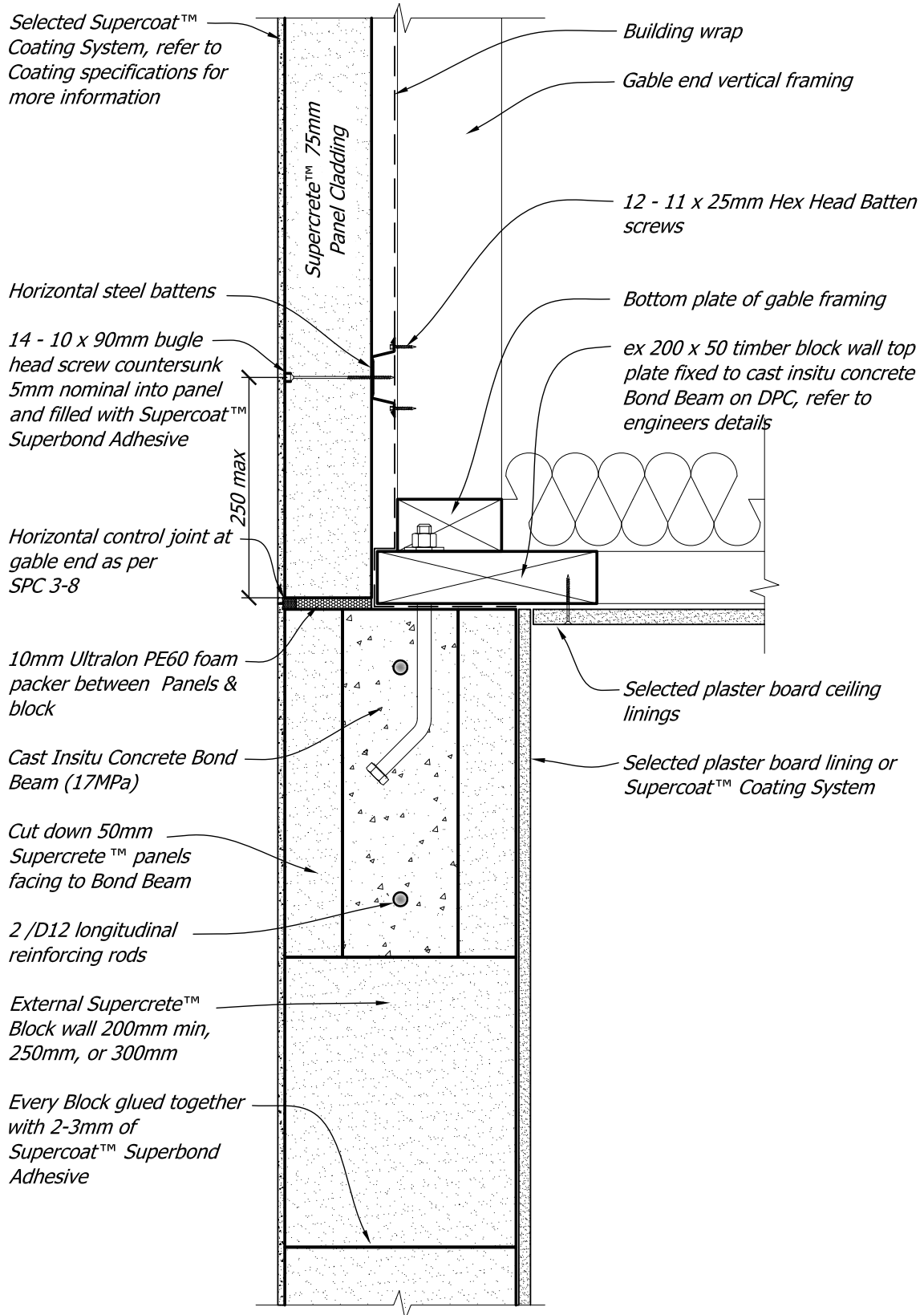
STEP 4

STEP 5

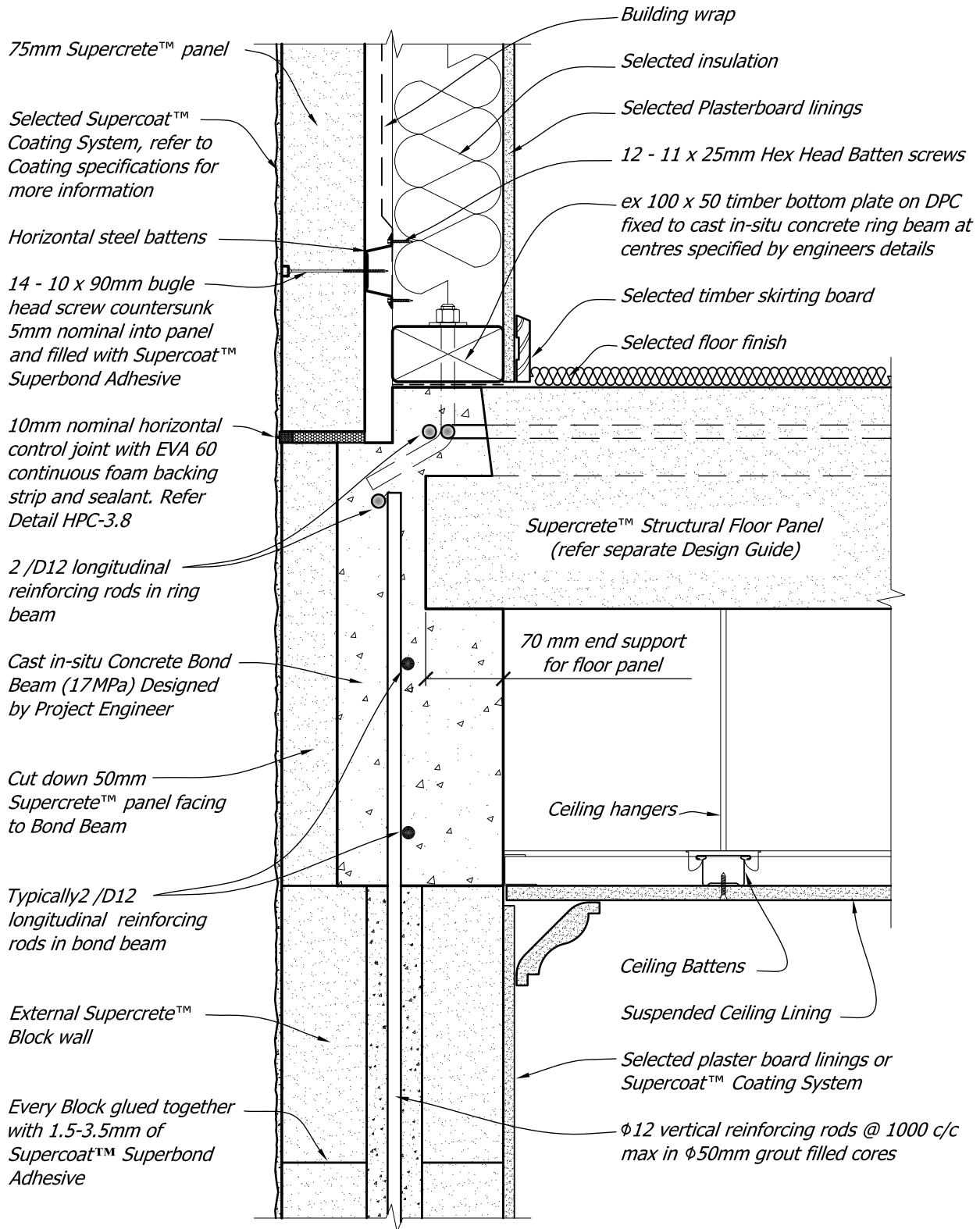
BLK 4.2 Internal Supercrete™ Block Wall to Supercrete Panel Floor



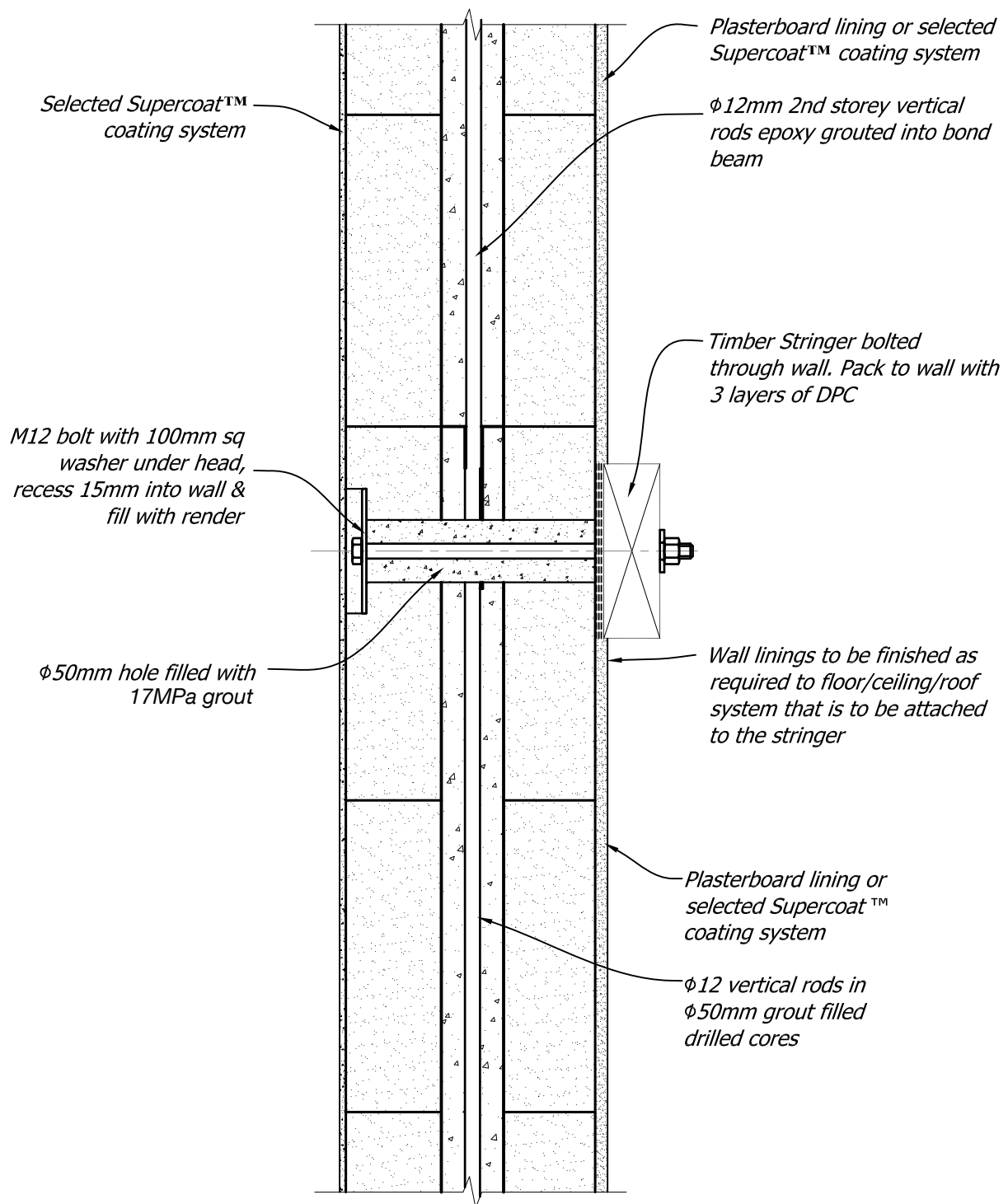
BLK 4.3 Internal Supercrete™ Block to Supercrete Panel Gable Horizontal Joint



BLK 4.4 Supercrete™ Block to Supercrete Panel Cladding Horizontal Movement Joint

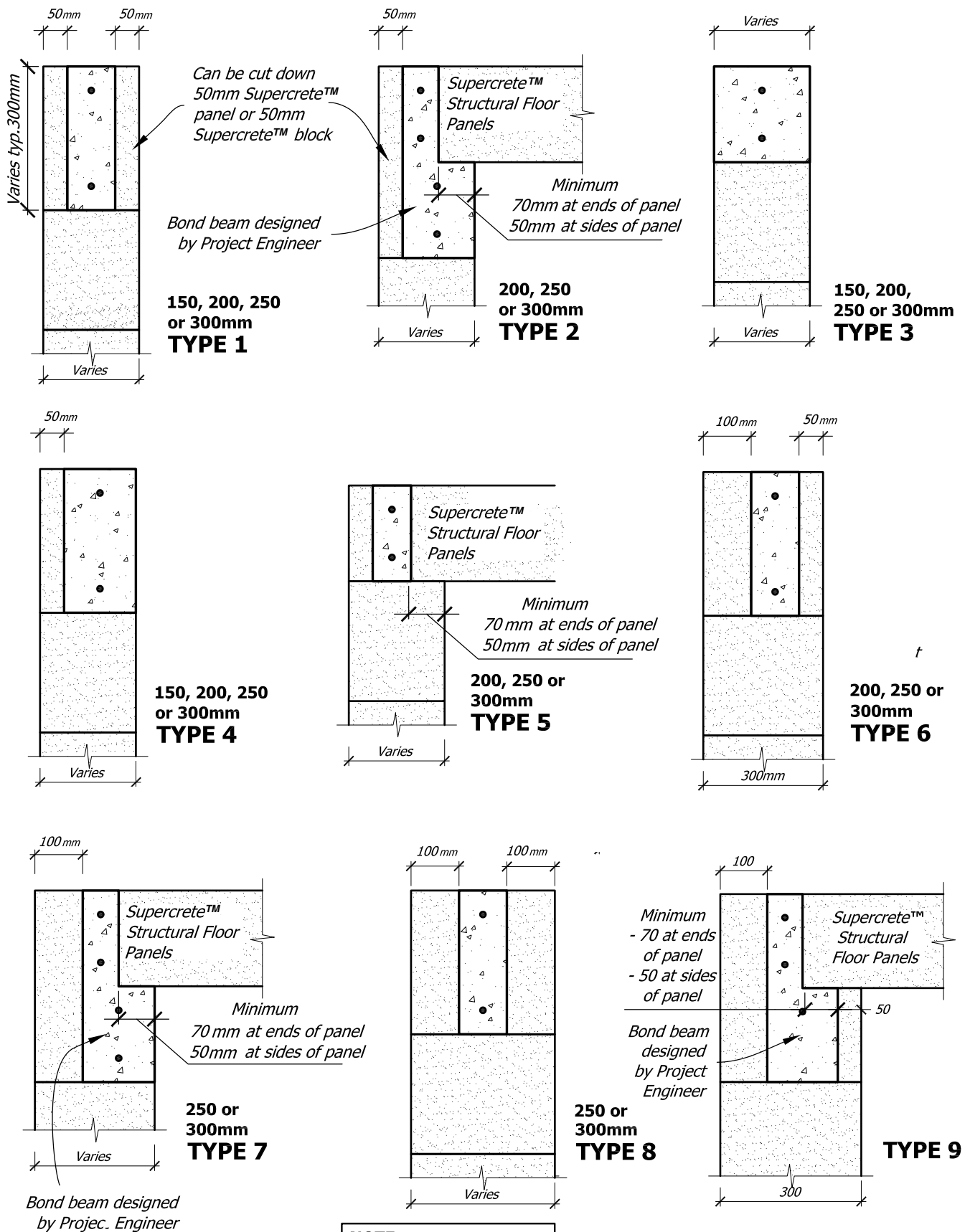


BLK 4.5 Supercrete™ Block to Supercrete Panel Floor Junction



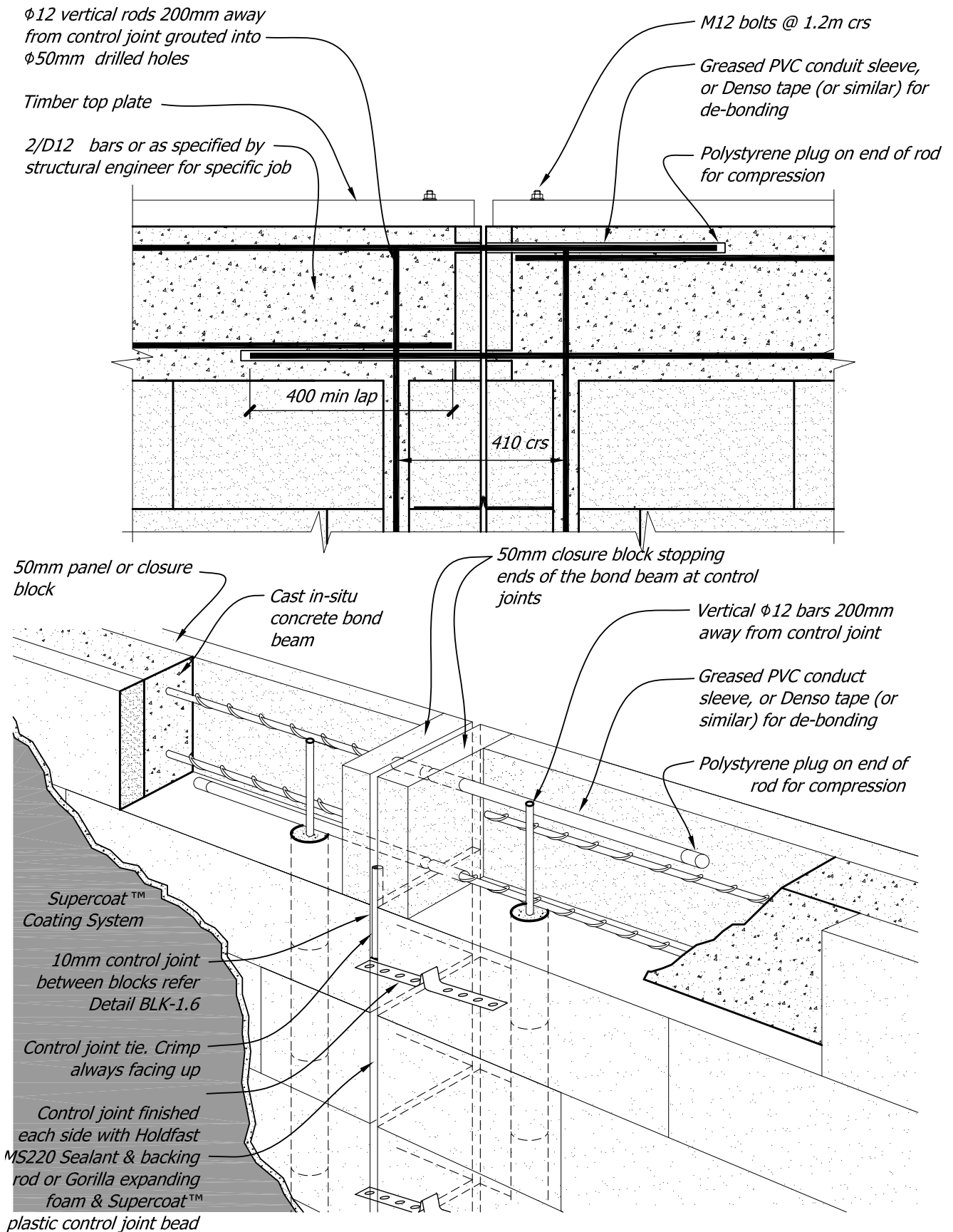
10.5 Bond Beam Details

BLK 5.0 Cast In-situ Bond Beam Types

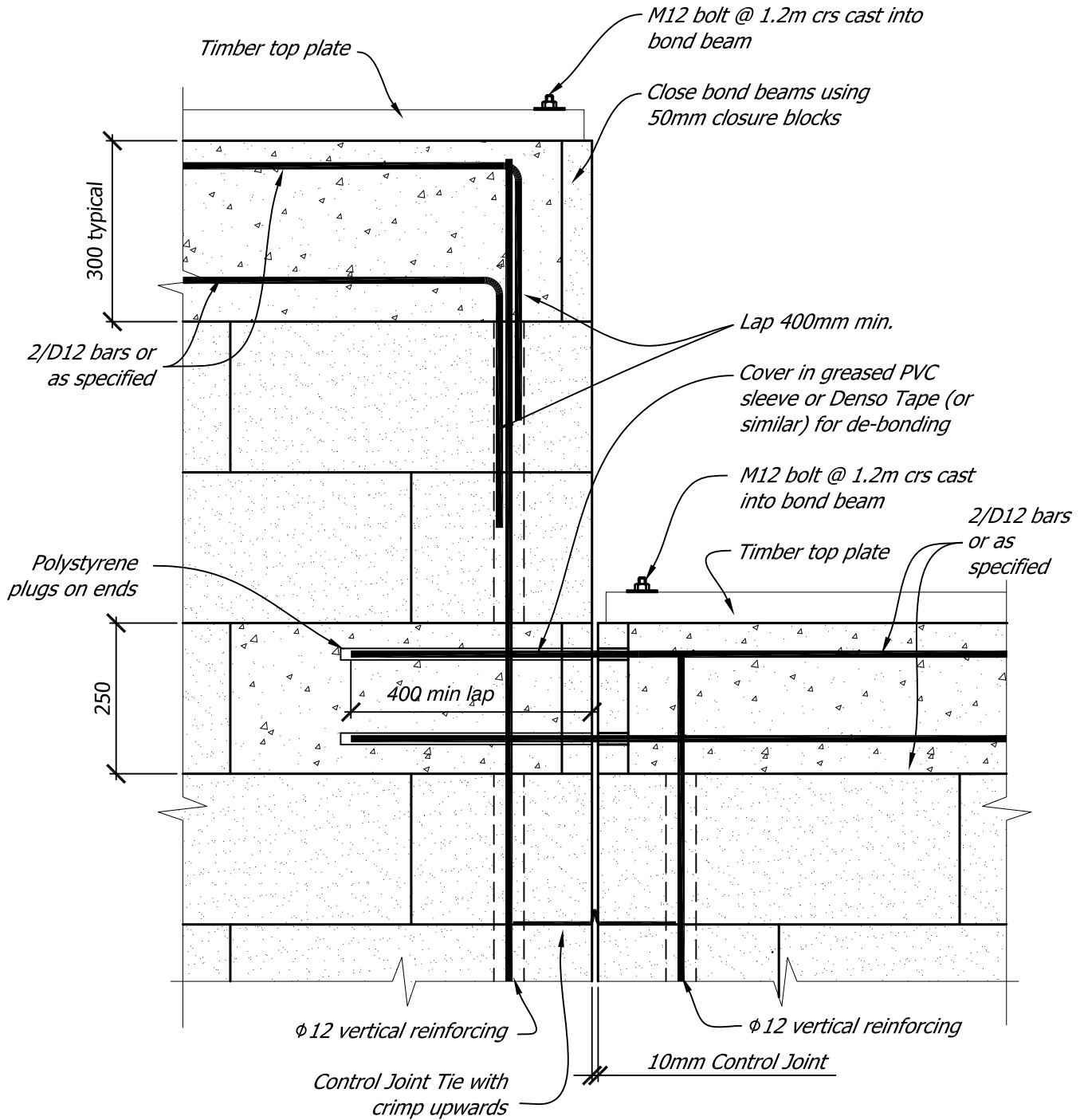


NOTE:
Reinforcing Steel
Designed by Project
Engineer (typically D12)

BLK 5.1 Movement Control Joint through Bond Beam

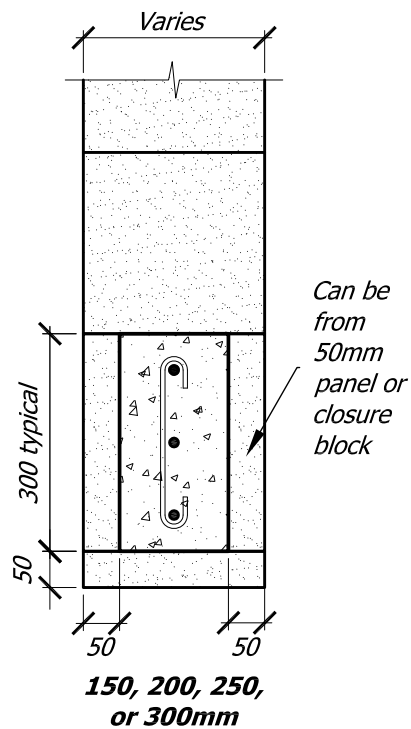


BLK 5.2 Control Joint in Stepped Wall – Top of Wall Detail

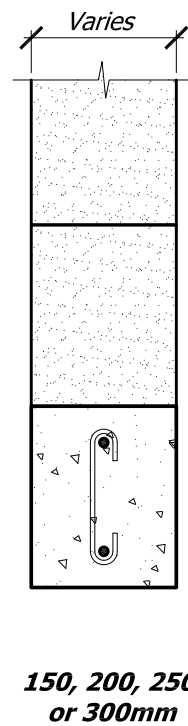


10.6 Window and Door Details

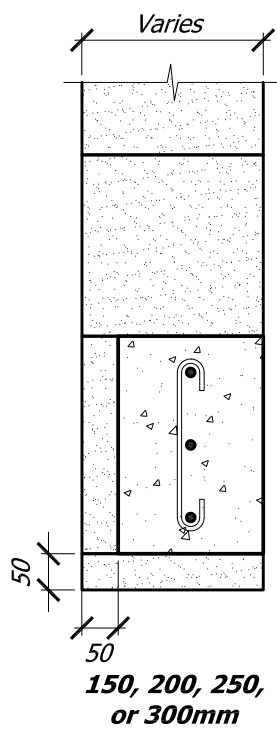
BLK 6.1 Cast In-situ Lintel Types



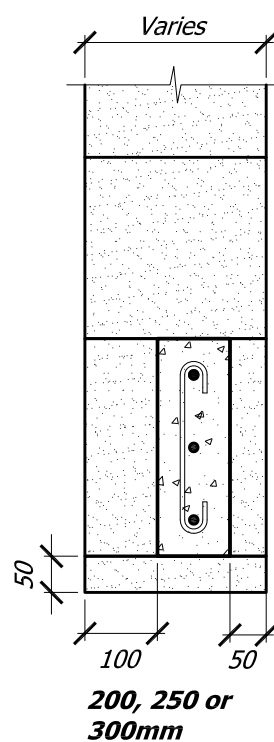
TYPE 1



TYPE 3



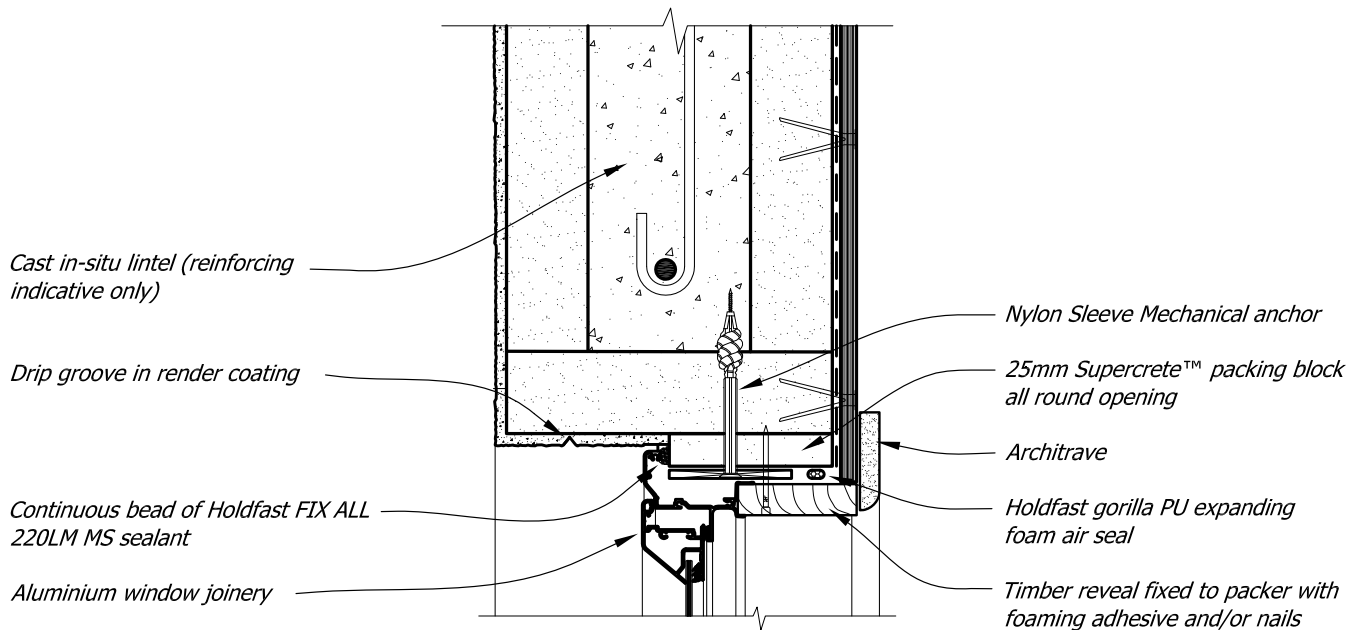
TYPE 4



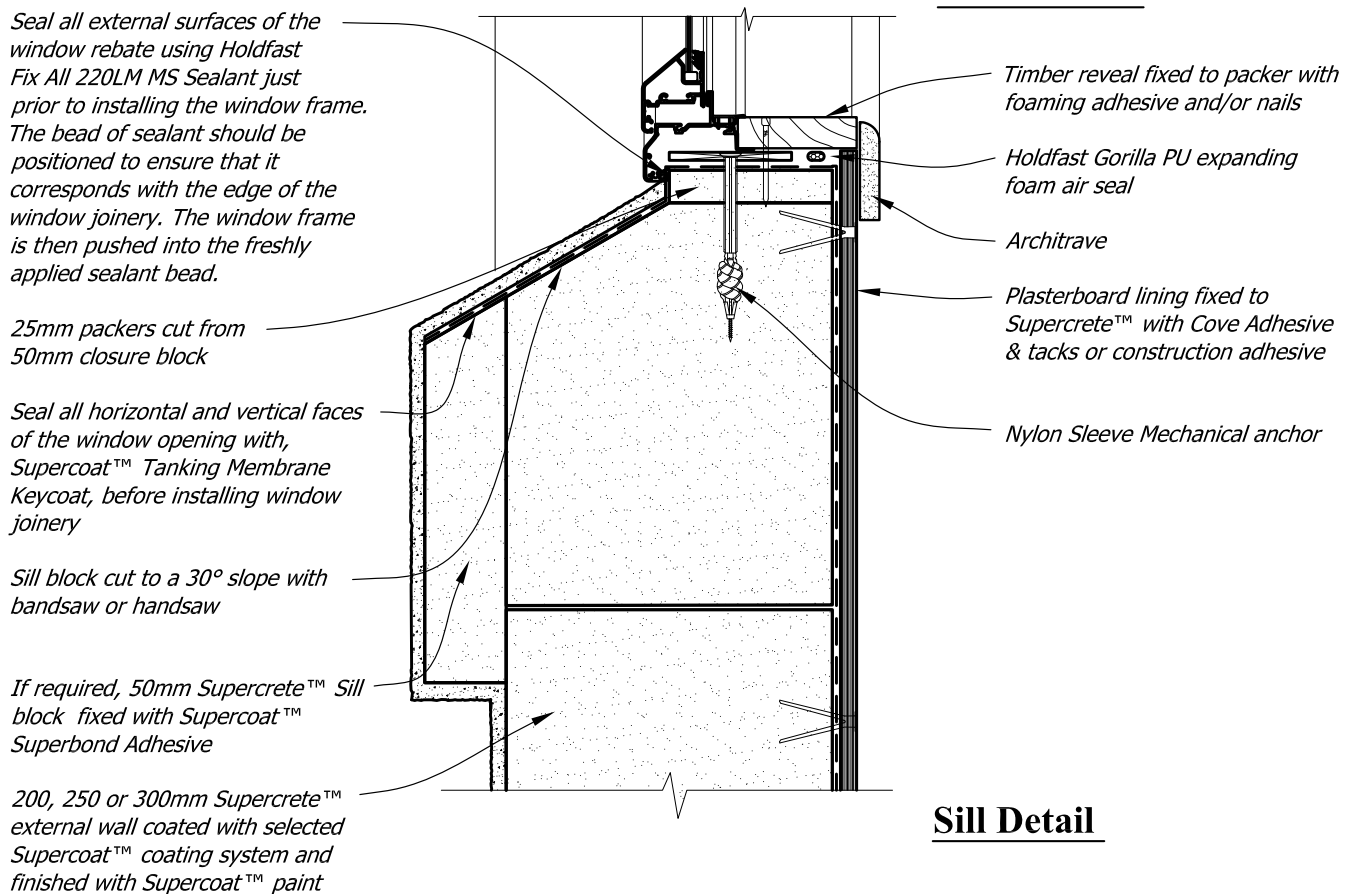
TYPE 6

NOTE: Steel Reinforcing to be sized by Project Engineer to suit load conditions

BLK 6.2 Vertical Section through Aluminium Window

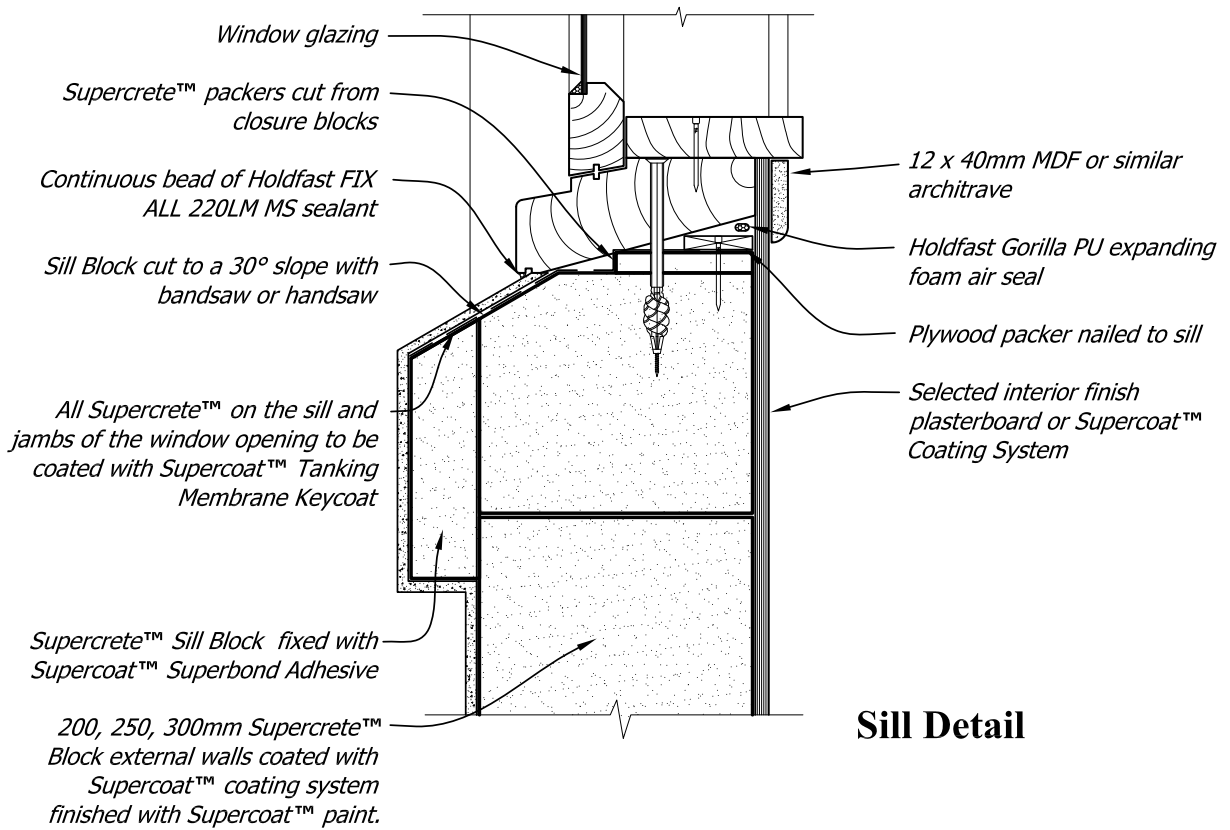
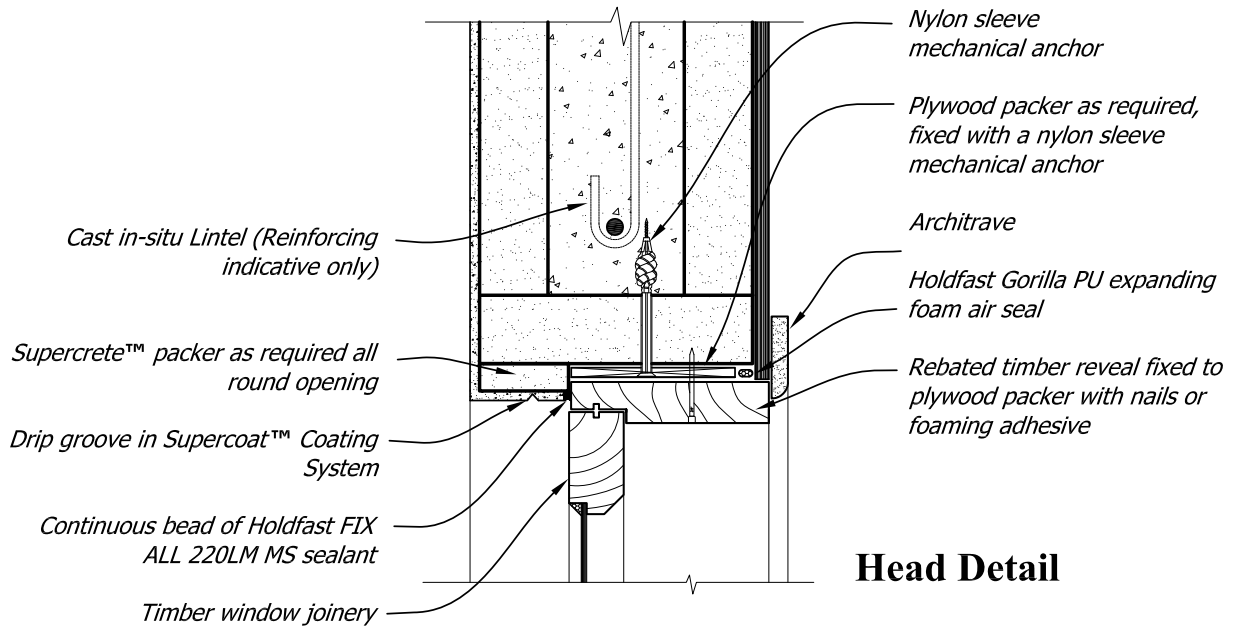


Head Detail



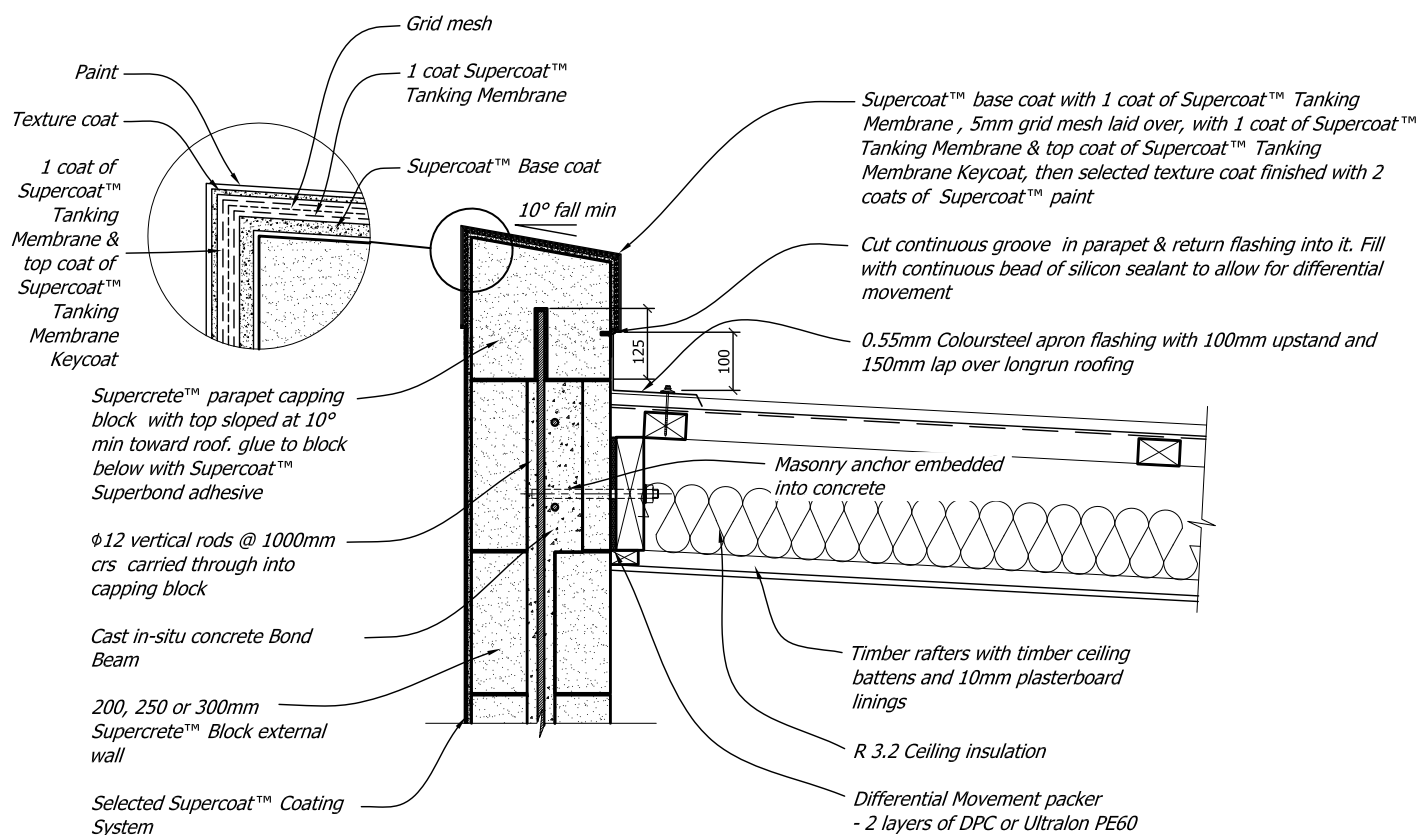
Sill Detail

BLK 6.3 Timber Window Detail

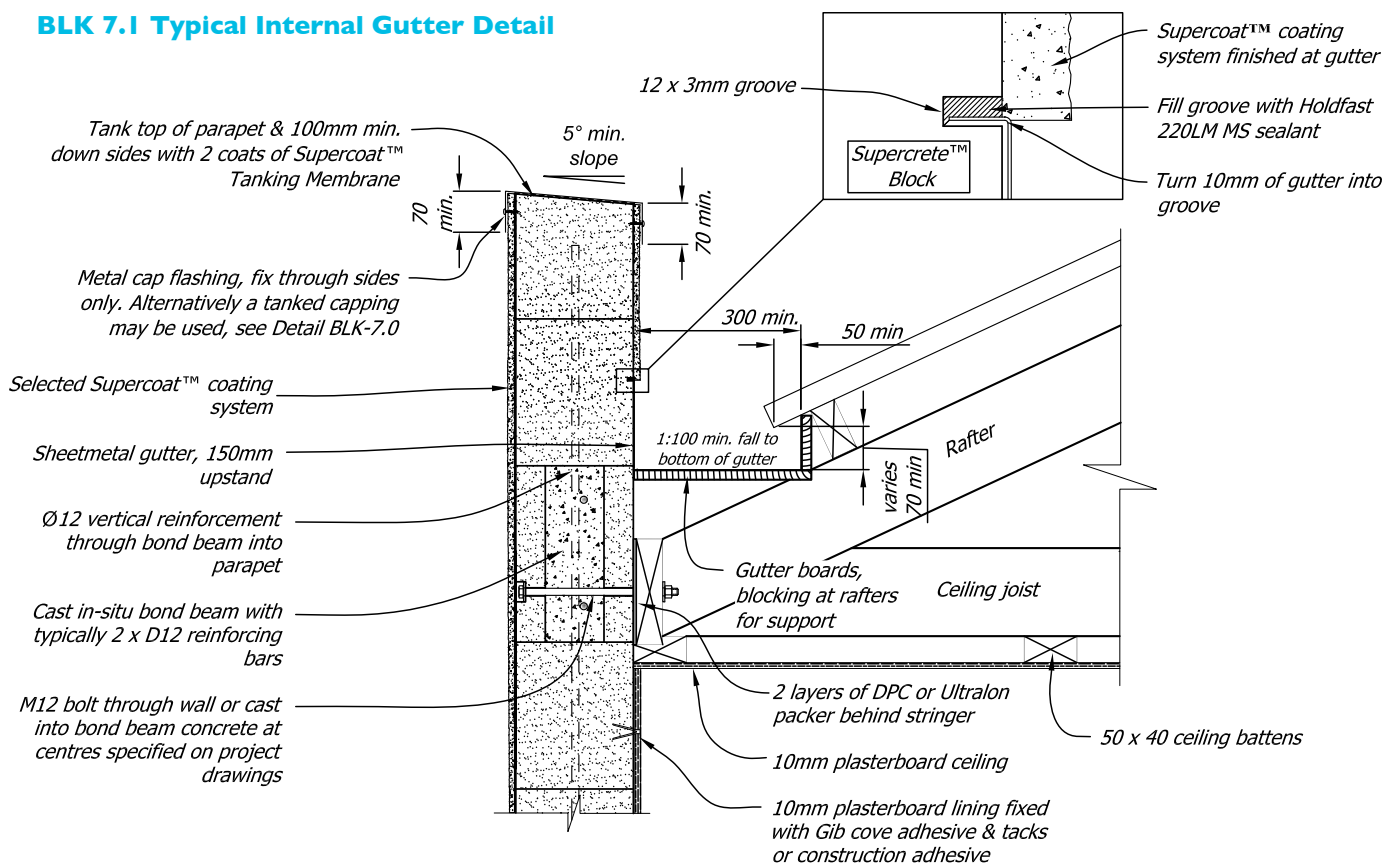


10.7 Parapet and Roof Details

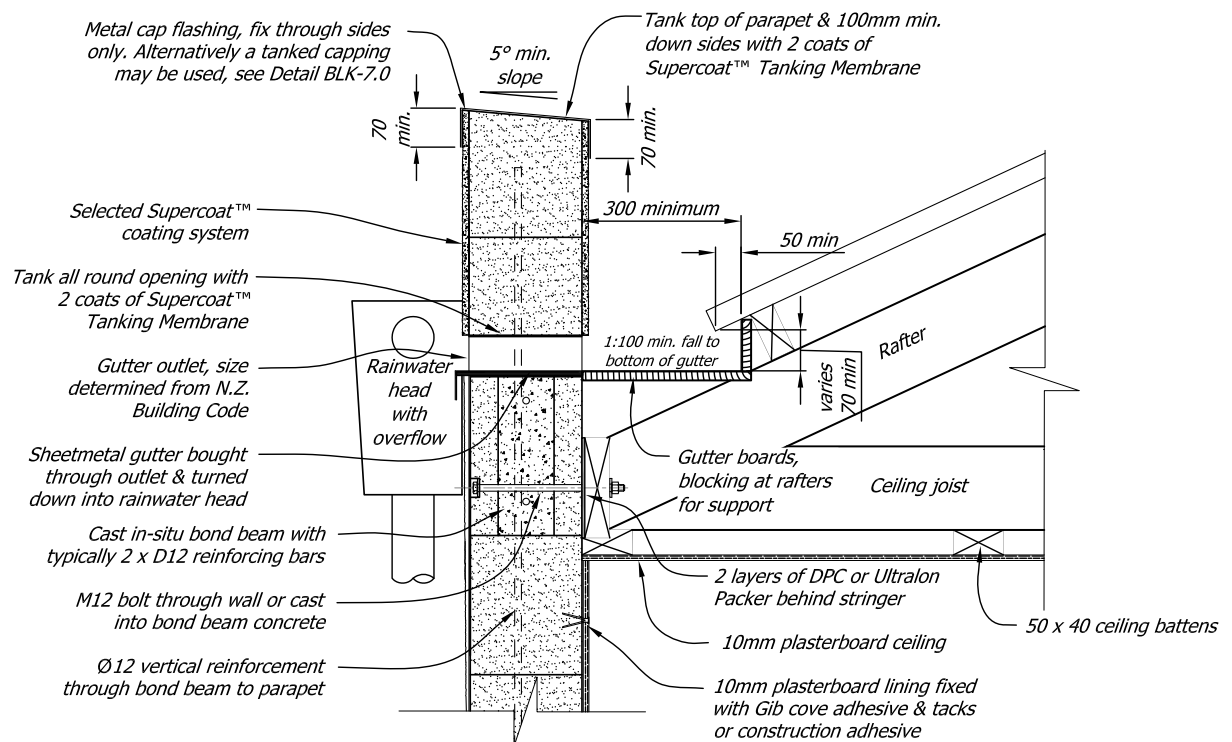
BLK 7.0 Typical Parapet Detail



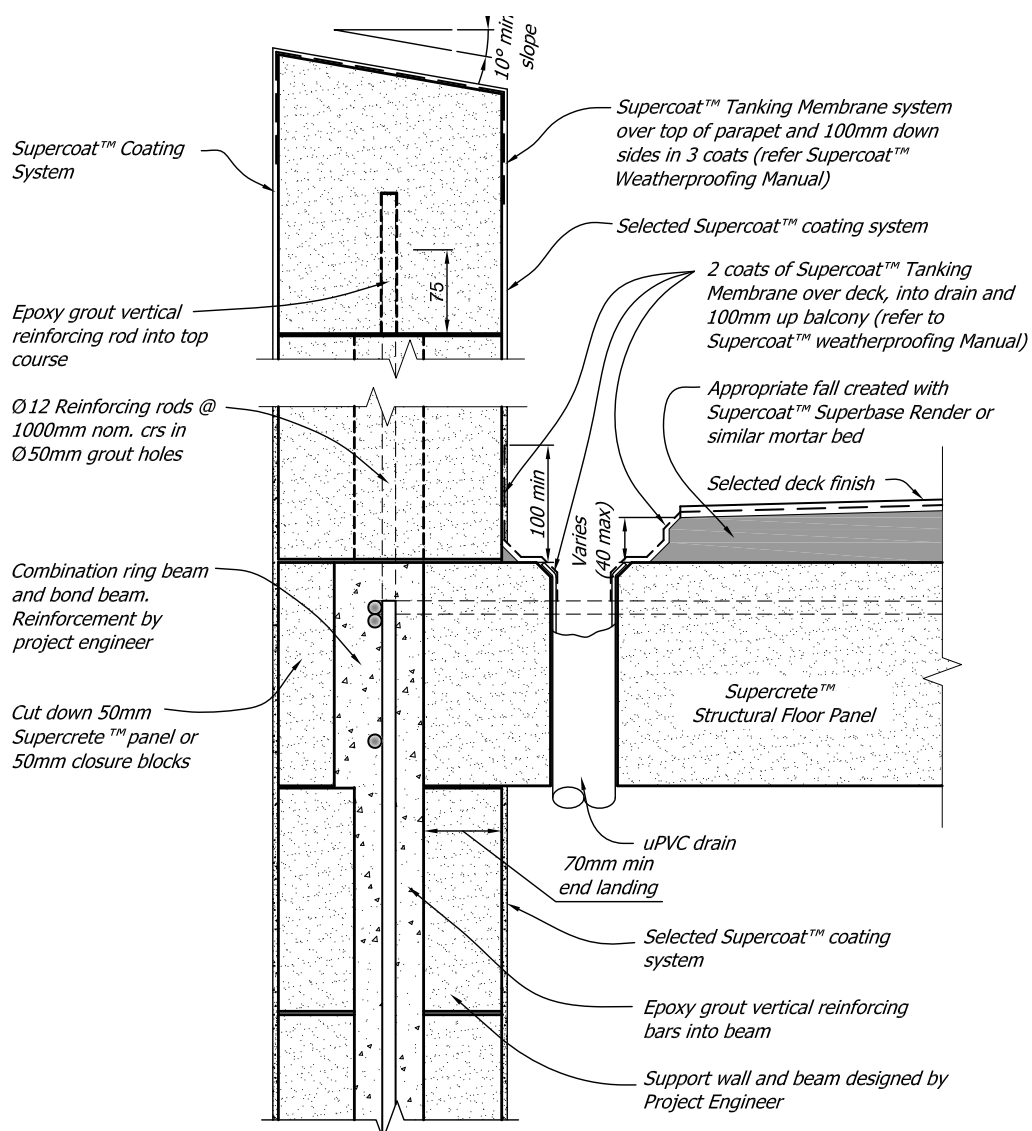
BLK 7.1 Typical Internal Gutter Detail



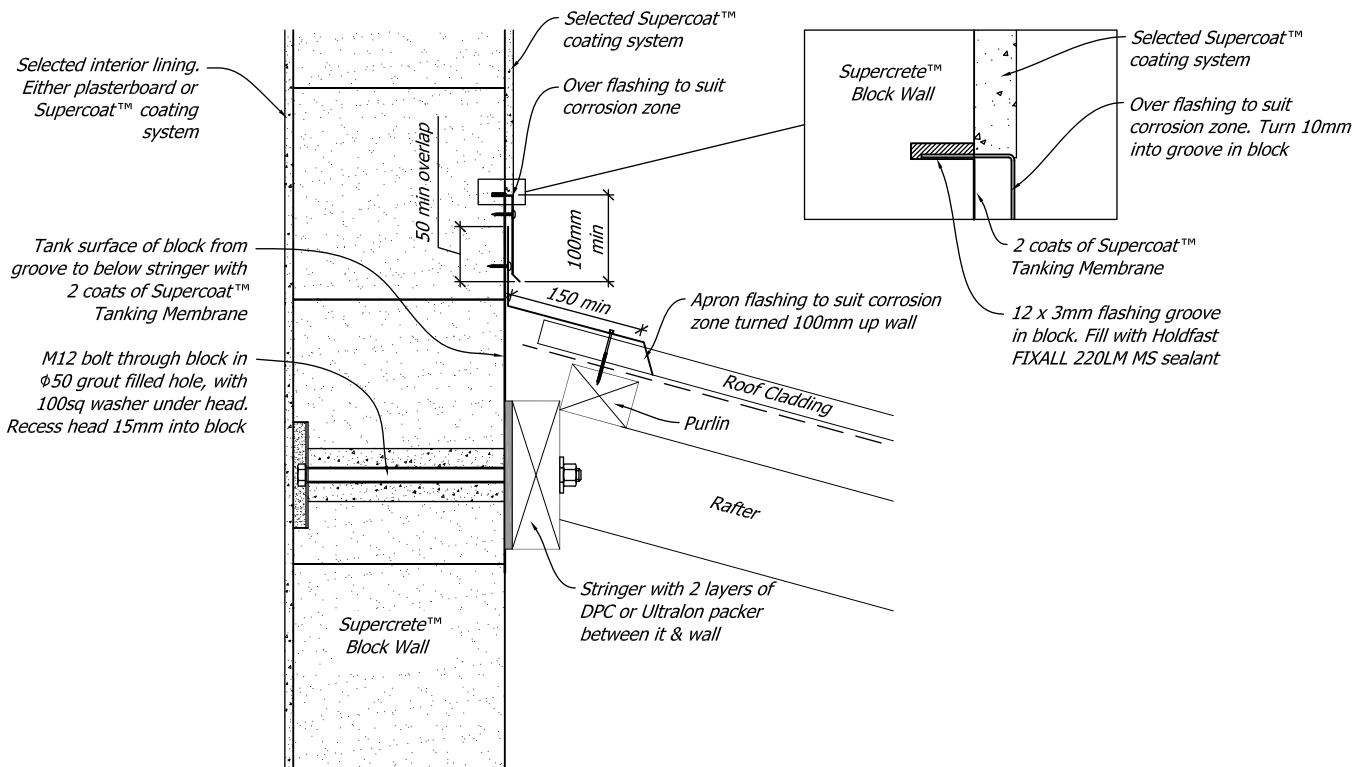
BLK 7.2 Typical Internal Gutter Outlet Detail



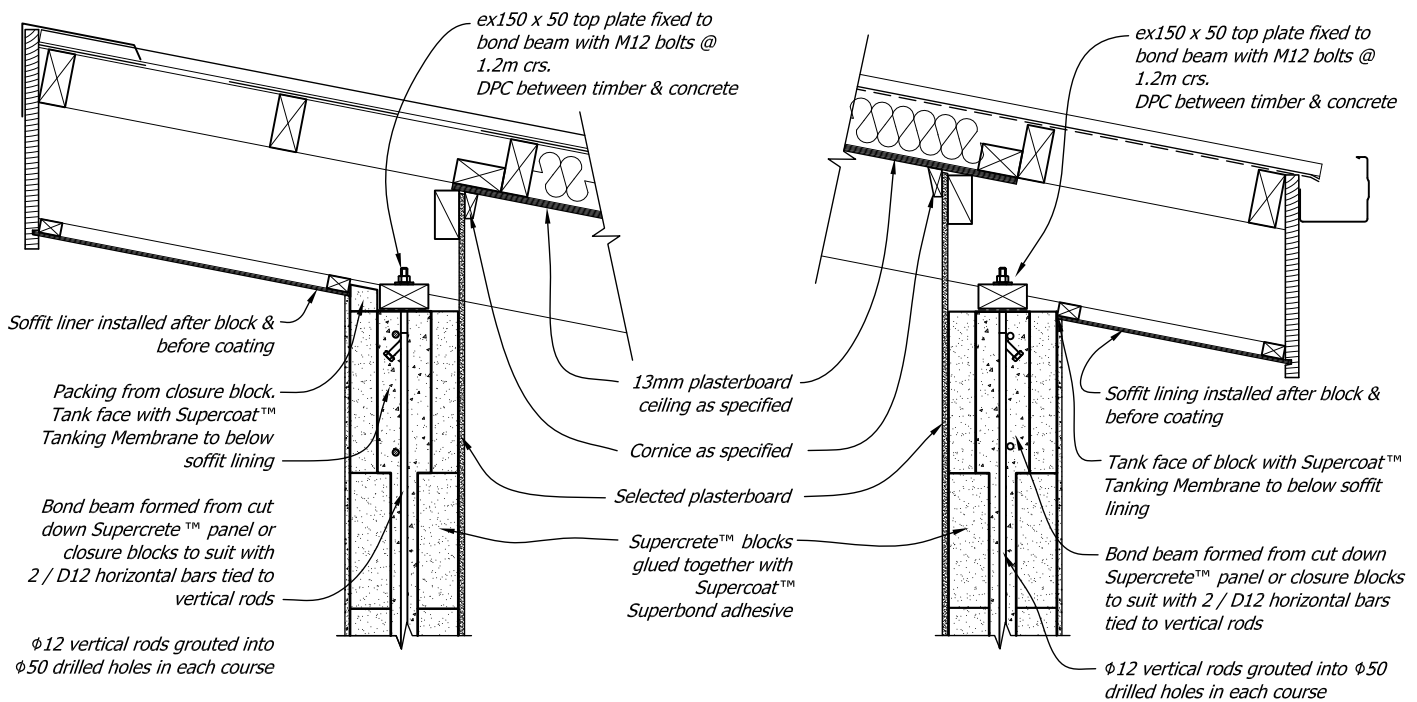
BLK 7.3 Typical Deck/Balcony Junction Detail



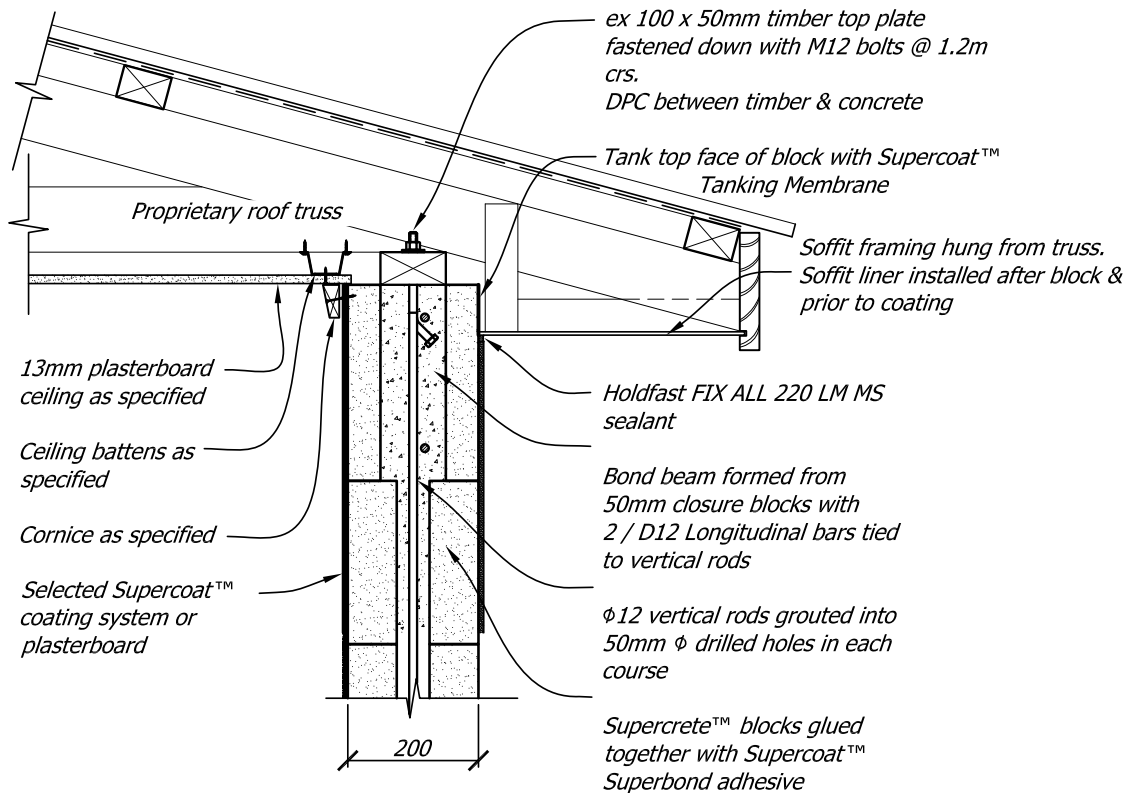
BLK 7.4 Typical Apron Flashing



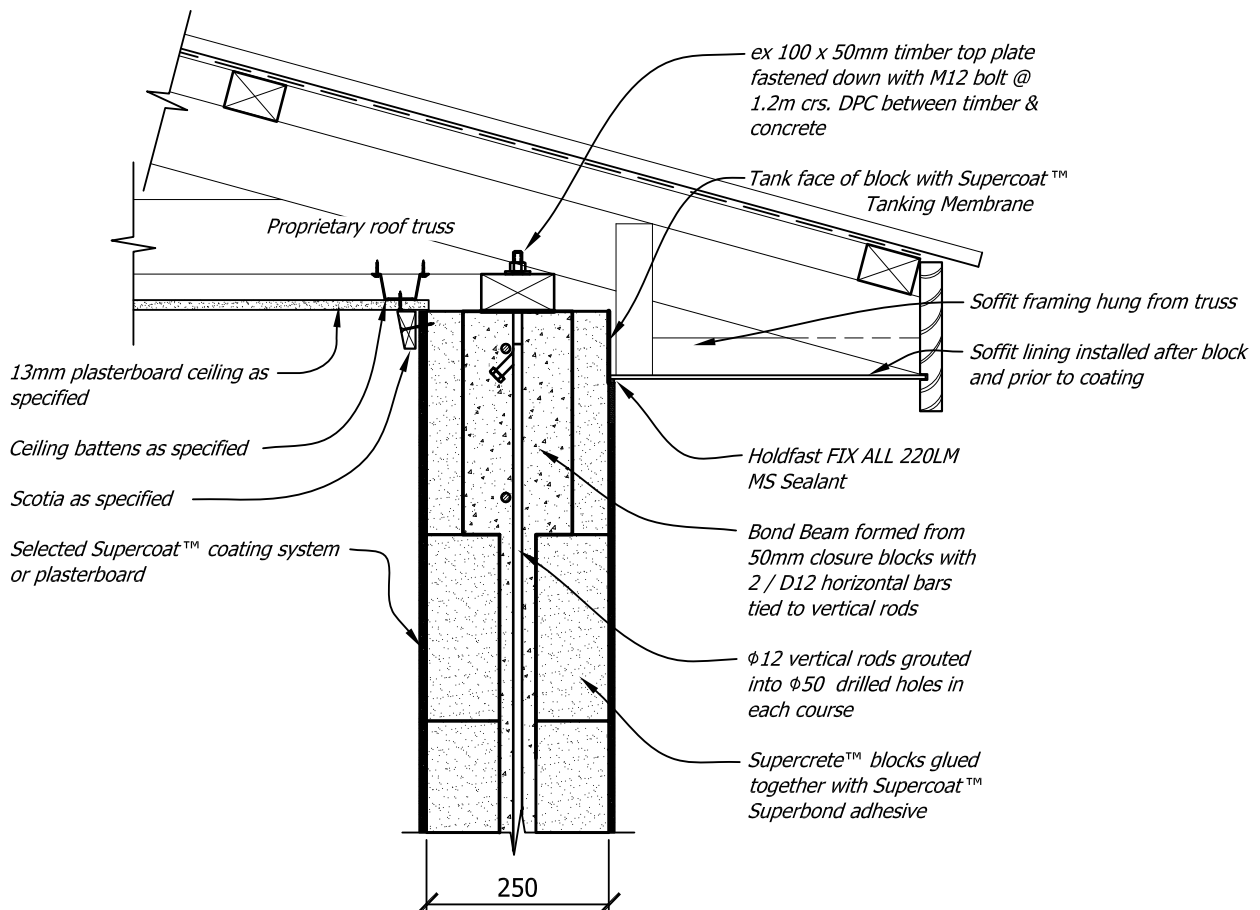
BLK 7.5 Typical Raking Soffit Junctions with Exposed Interior Rafters



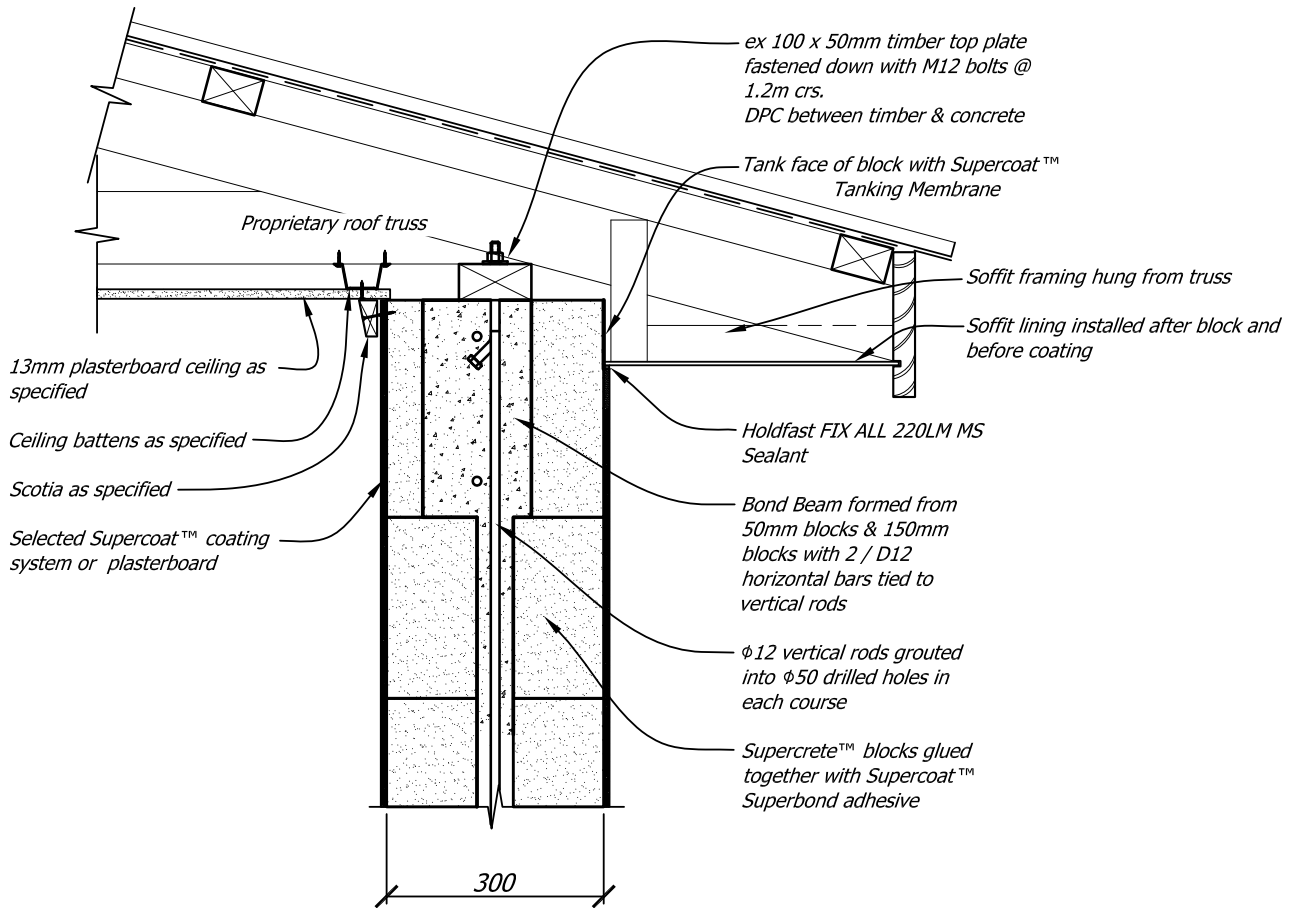
BLK 7.6 Typical 200mm Supercrete™ Block Soffit Junctions



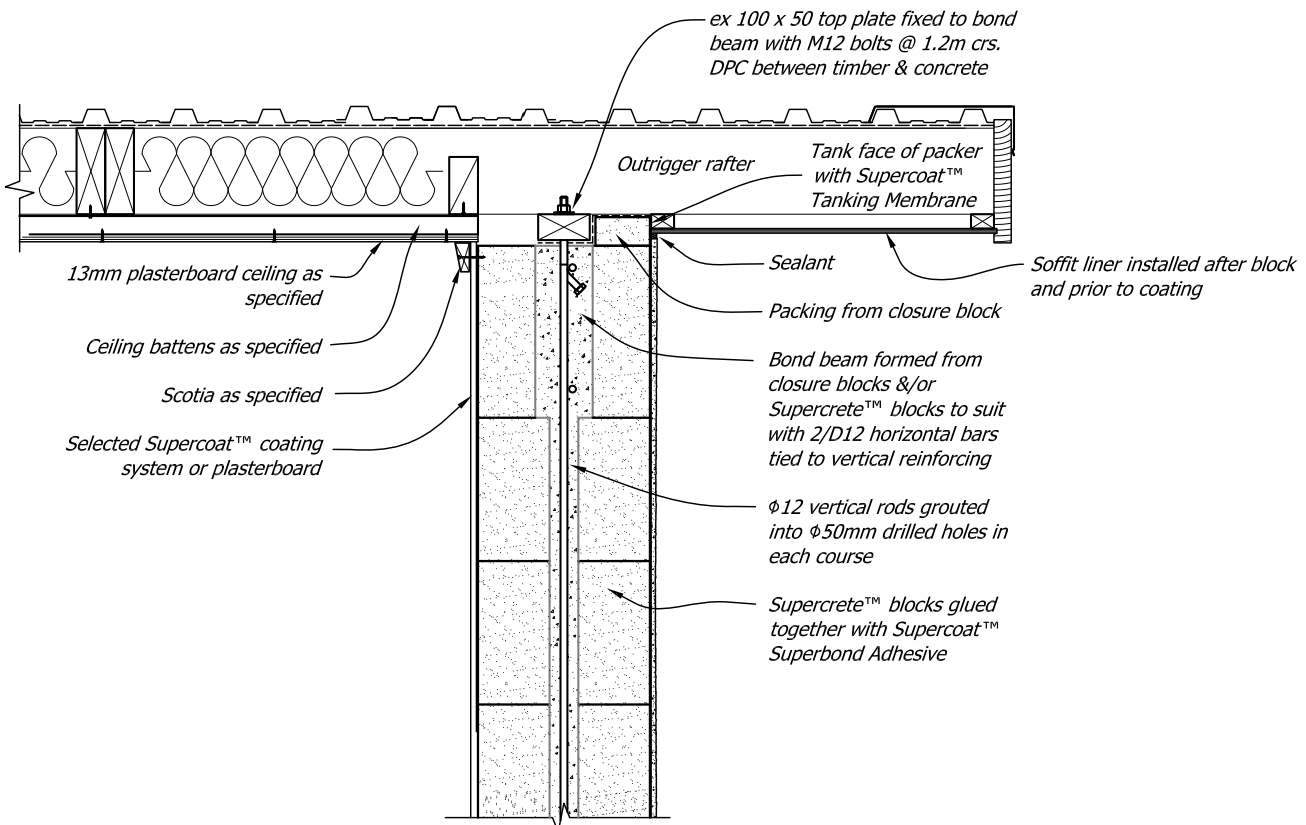
BLK 7.7 Typical 250mm Supercrete™ Block Soffit Junctions



BLK 7.8 Typical 300mm Supercrete™ Block Soffit Junctions

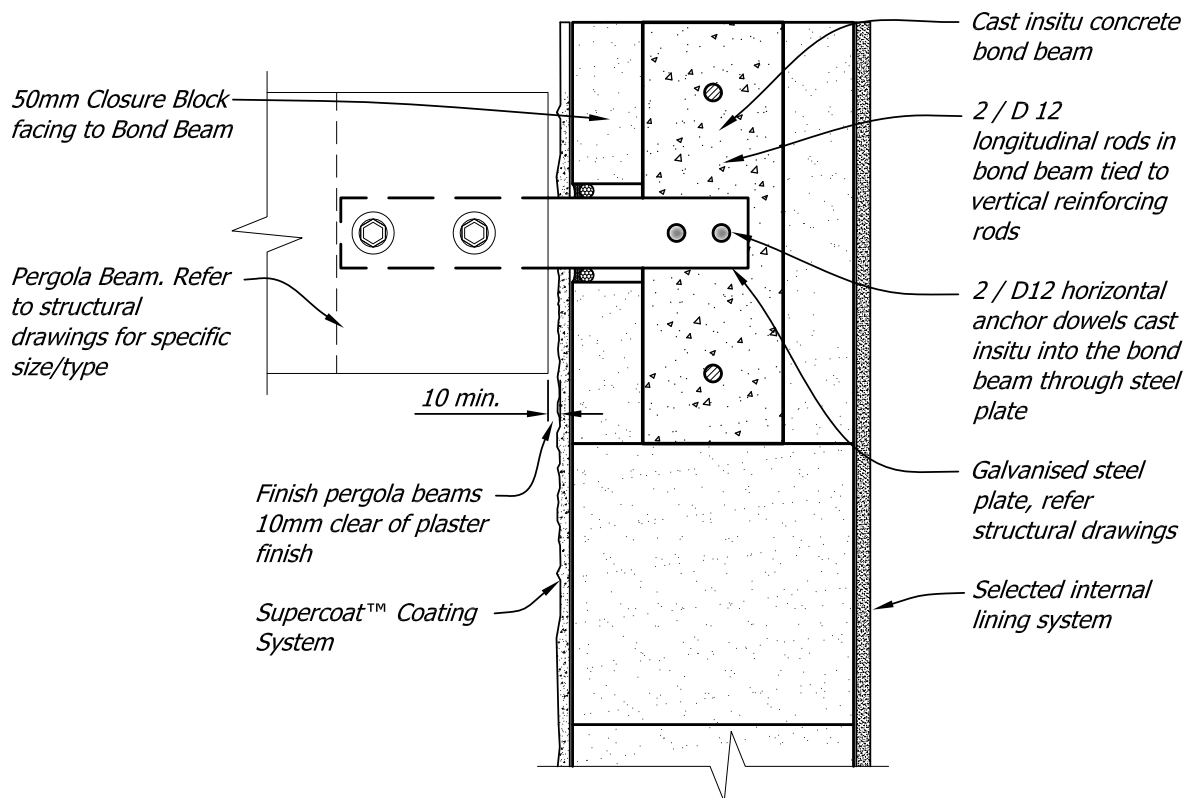
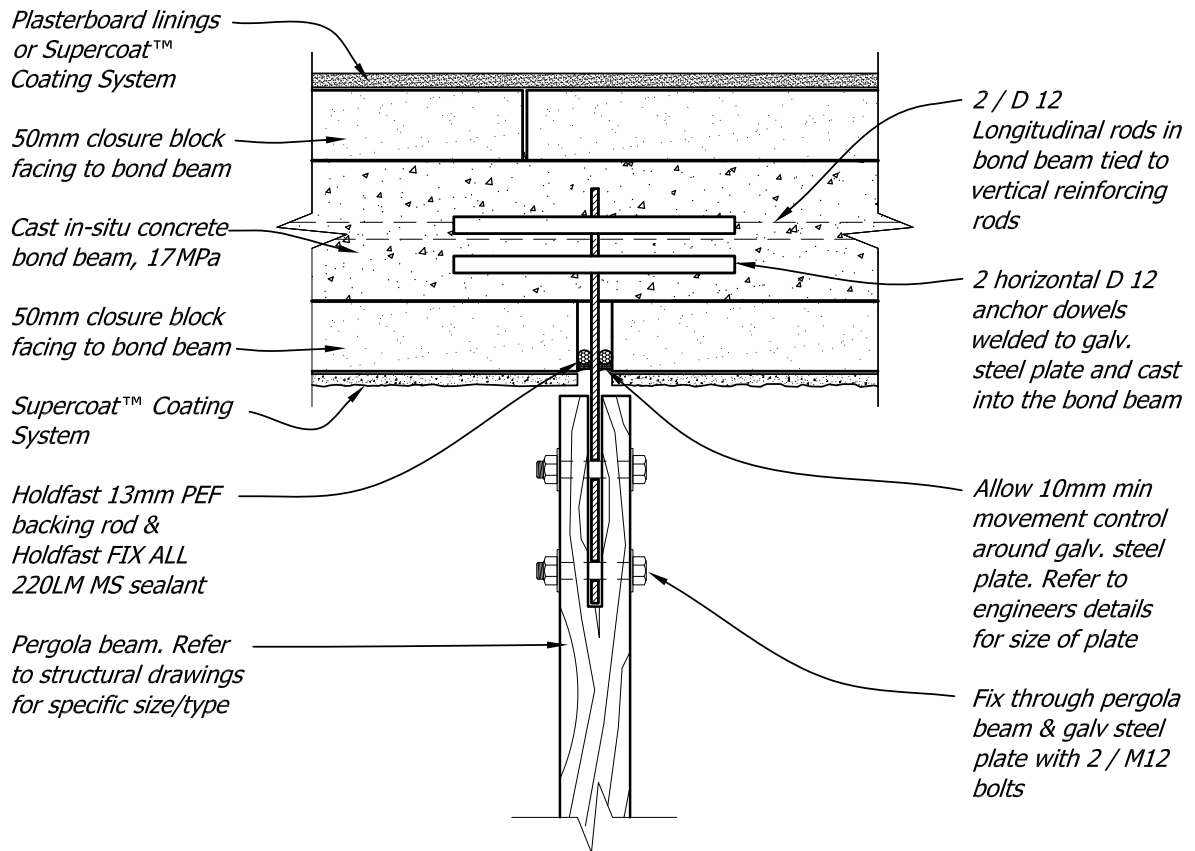


BLK 7.9 Typical Supercrete™ Block End Wall Soffit Junctions

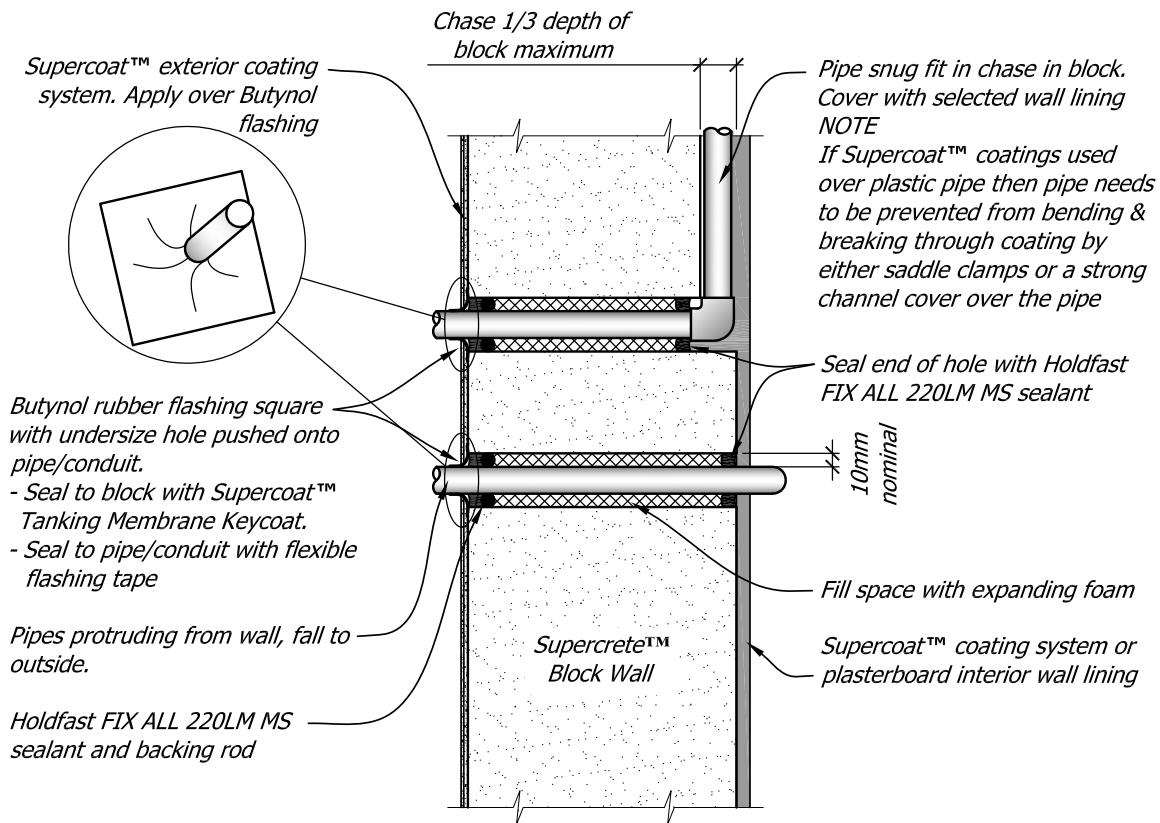


10.8 Miscellaneous Details

BLK 10.0 Typical Pergola Support Bracket



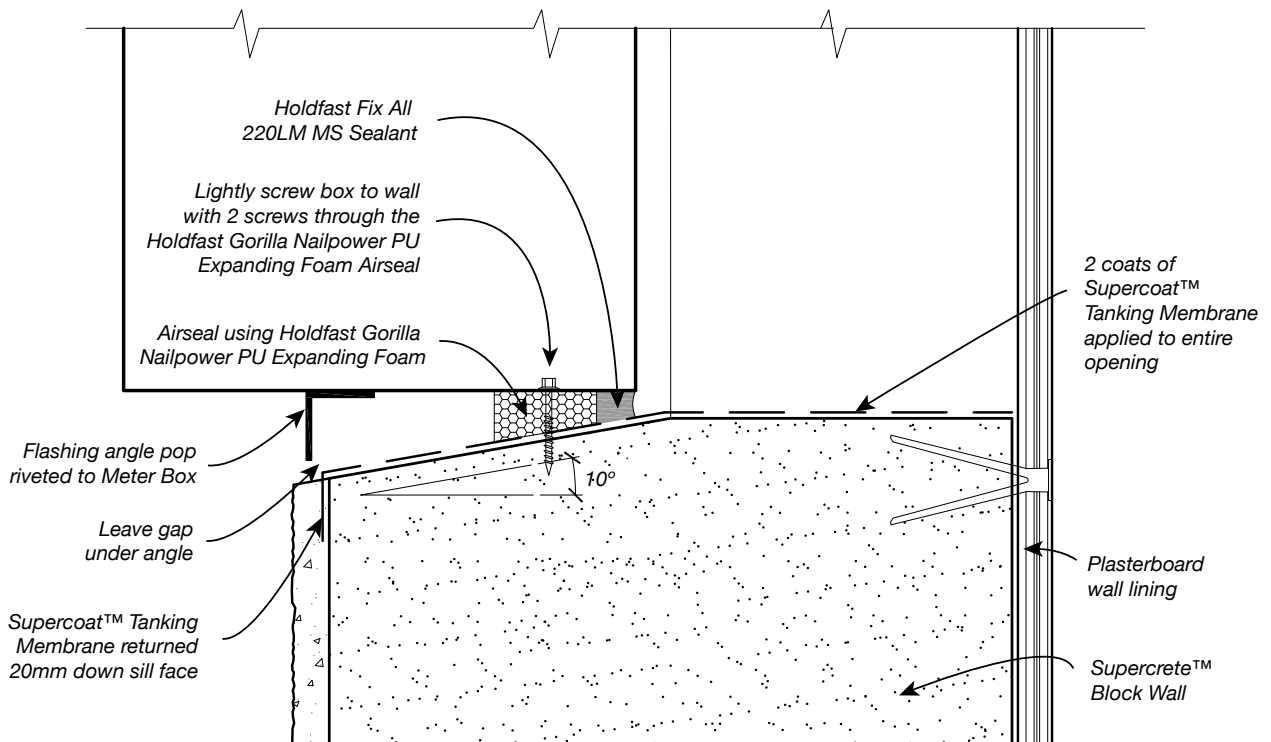
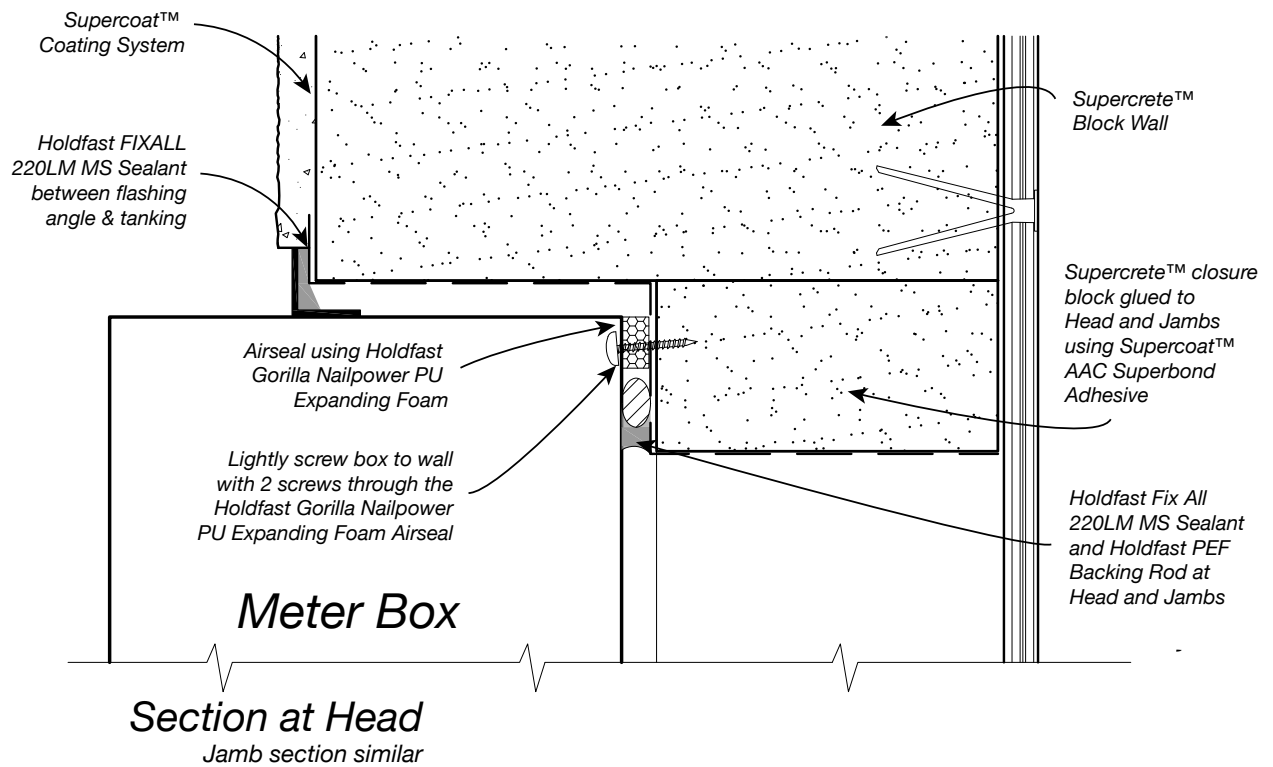
BLK 10.1 Pipe/Conduit Penetration through Supercrete™ Block Wall



NOTE:

1. Maximum outside diameter of pipe /conduit penetration is 110mm
2. Details similar for square edge penetrations (square or rectangular ducts) with a dimension up to a maximum of 110mm.
3. Square edge penetrations with a dimension greater than 110mm need to be treated similar to meter boxes, see Detail BLK-10.2

BLK 10.2 Vertical Section through Meterbox



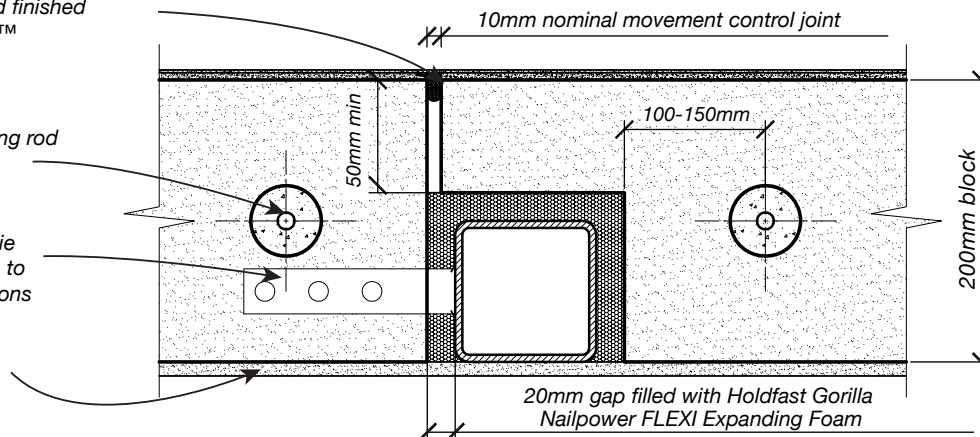
BLK 10.3 Steel Column Encased in Supercrete™ Block

10mm nominal movement control joint formed using either Holdfast 13mm PEF Rod and Holdfast Fix All 220LM MS, or Holdfast Gorilla Nailpower FLEXI Expanding Foam and finished using the Supercoat™ Pre-Meshed Control Joint Bead.

D12 vertical reinforcing rod grouted into 50mm Ø drilled holes

Sliding control joint tie fixed to steel column to engineers specifications

Plasterboard lining as specified

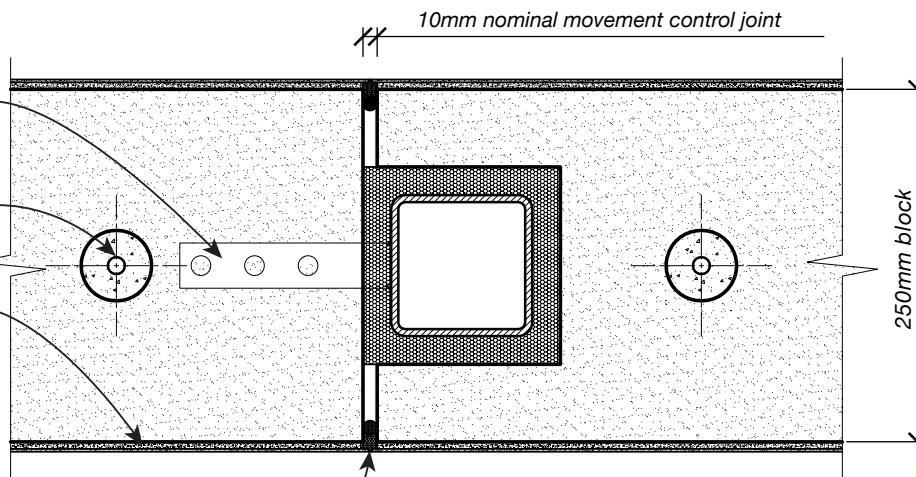


Sliding control joint tie fixed to steel column to engineers specifications

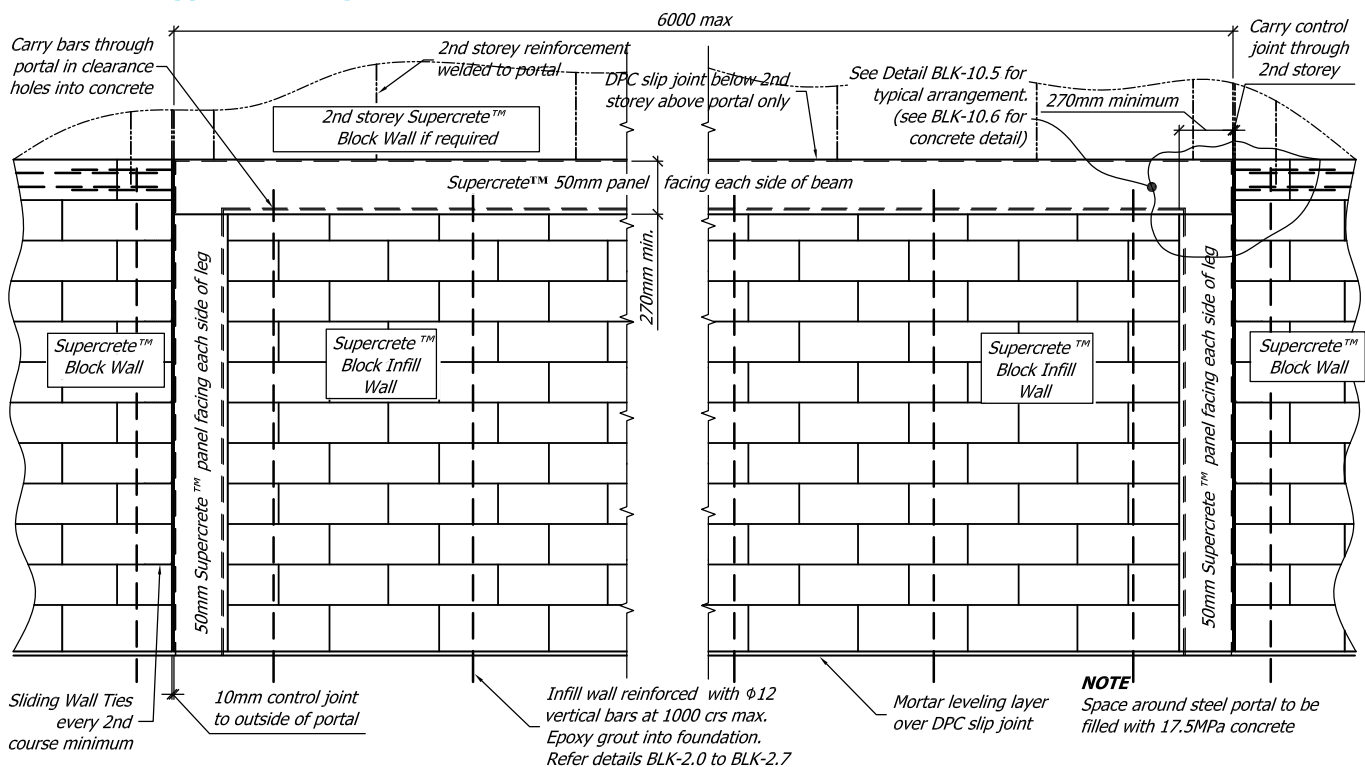
D12 vertical reinforcing rod grouted into 50mm Ø drilled holes

Supercoat™ Coating System as specified

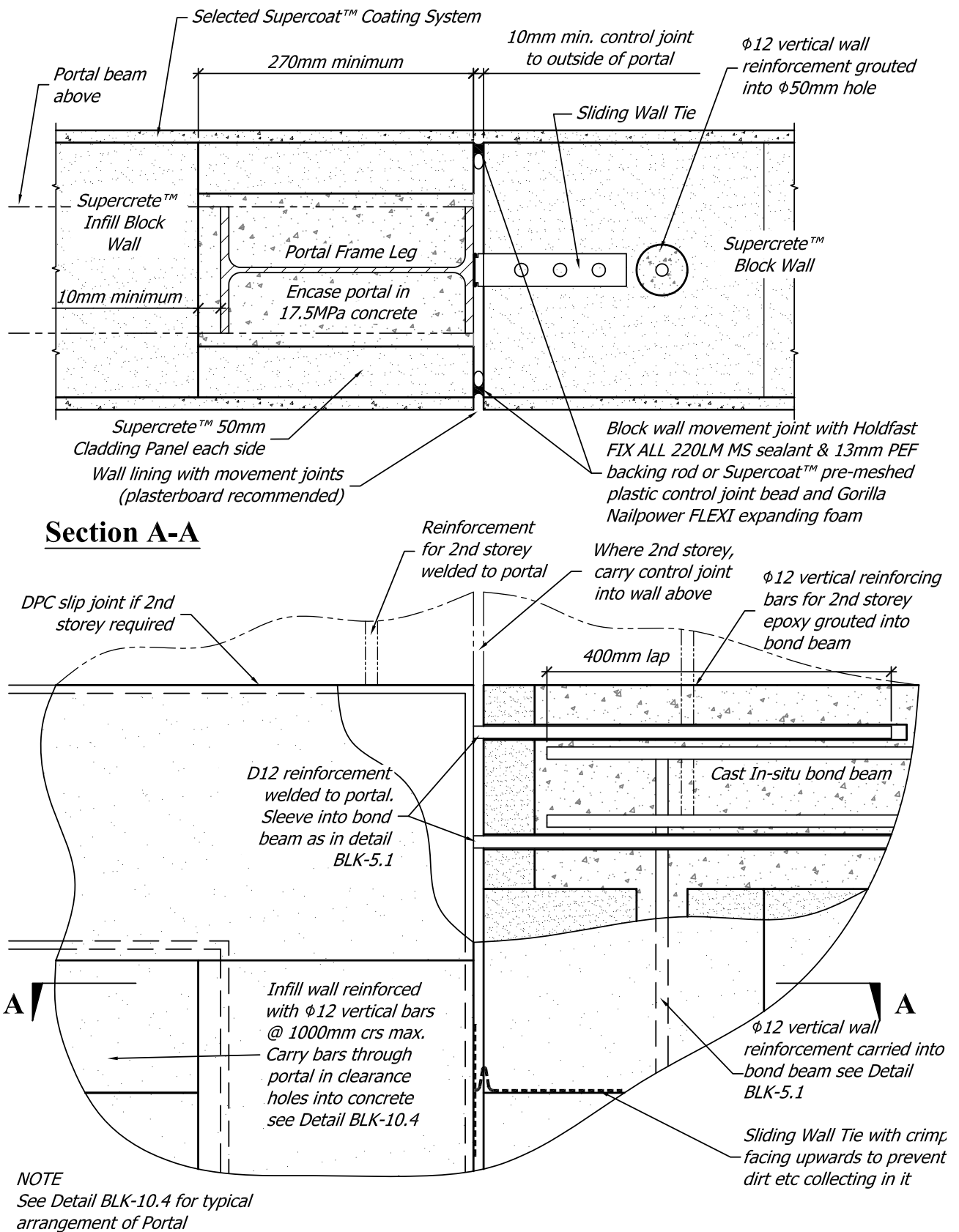
10mm nominal movement control joint formed using either Holdfast 13mm PEF Rod and Holdfast Fix All 220LM MS, or Holdfast Gorilla Nailpower FLEXI Expanding Foam and finished using the Supercoat™ Pre-Meshed Control Joint Bead.



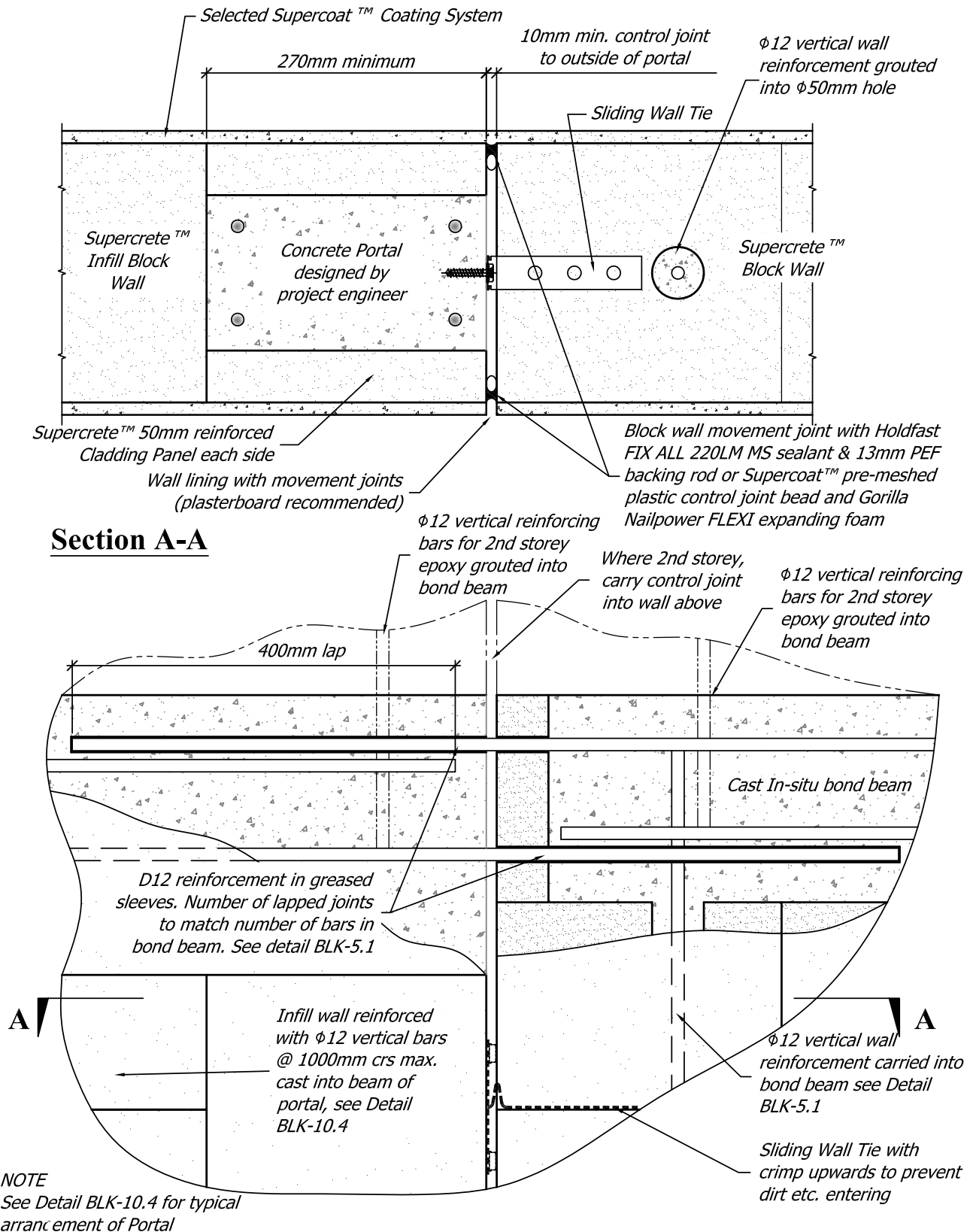
BLK 10.4 Typical Arrangement of Steel Portal Frame Encased in Block Wall



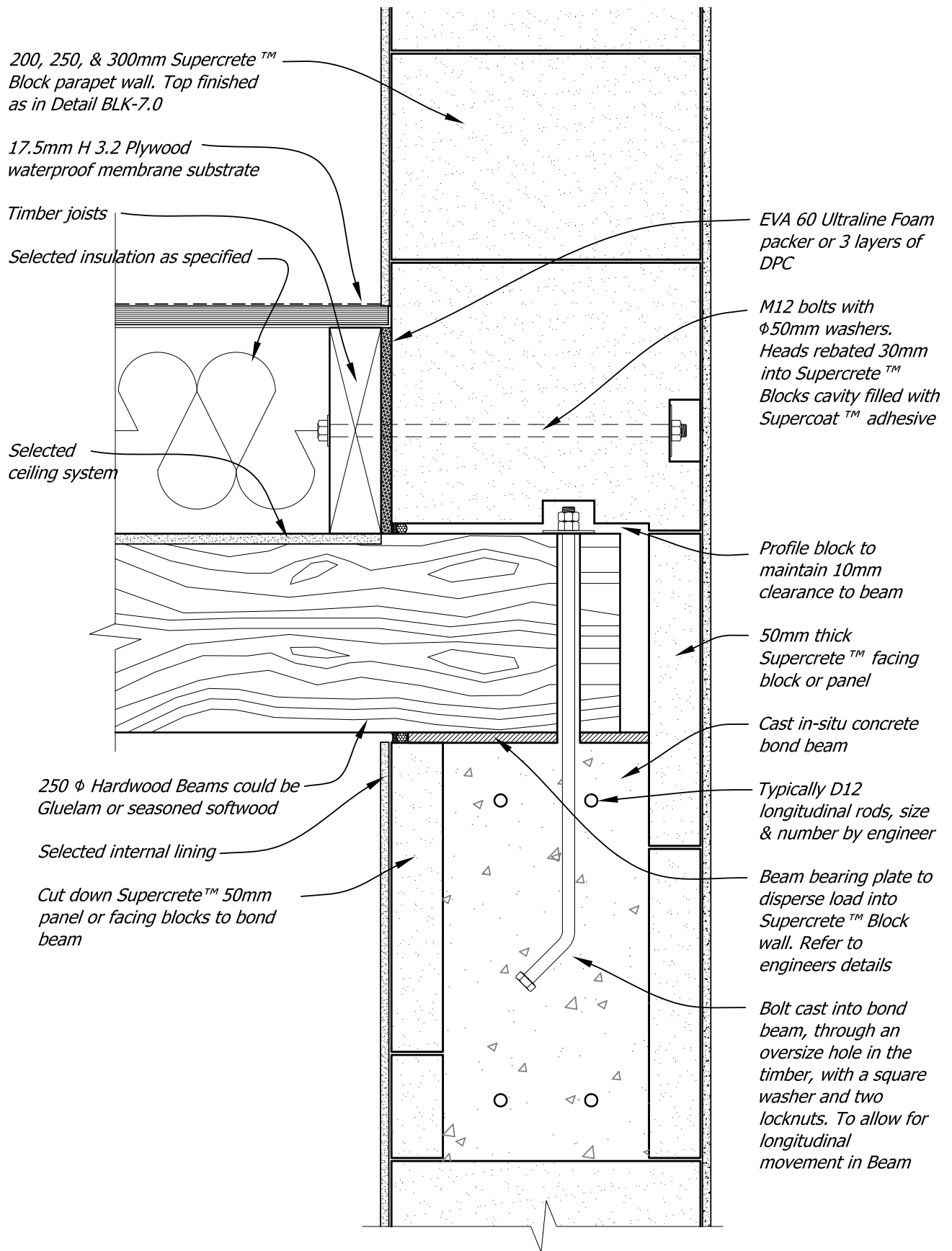
BLK 10.5 Typical Knee Detail for Steel Portal Frame Encased in Supercrete™ Block



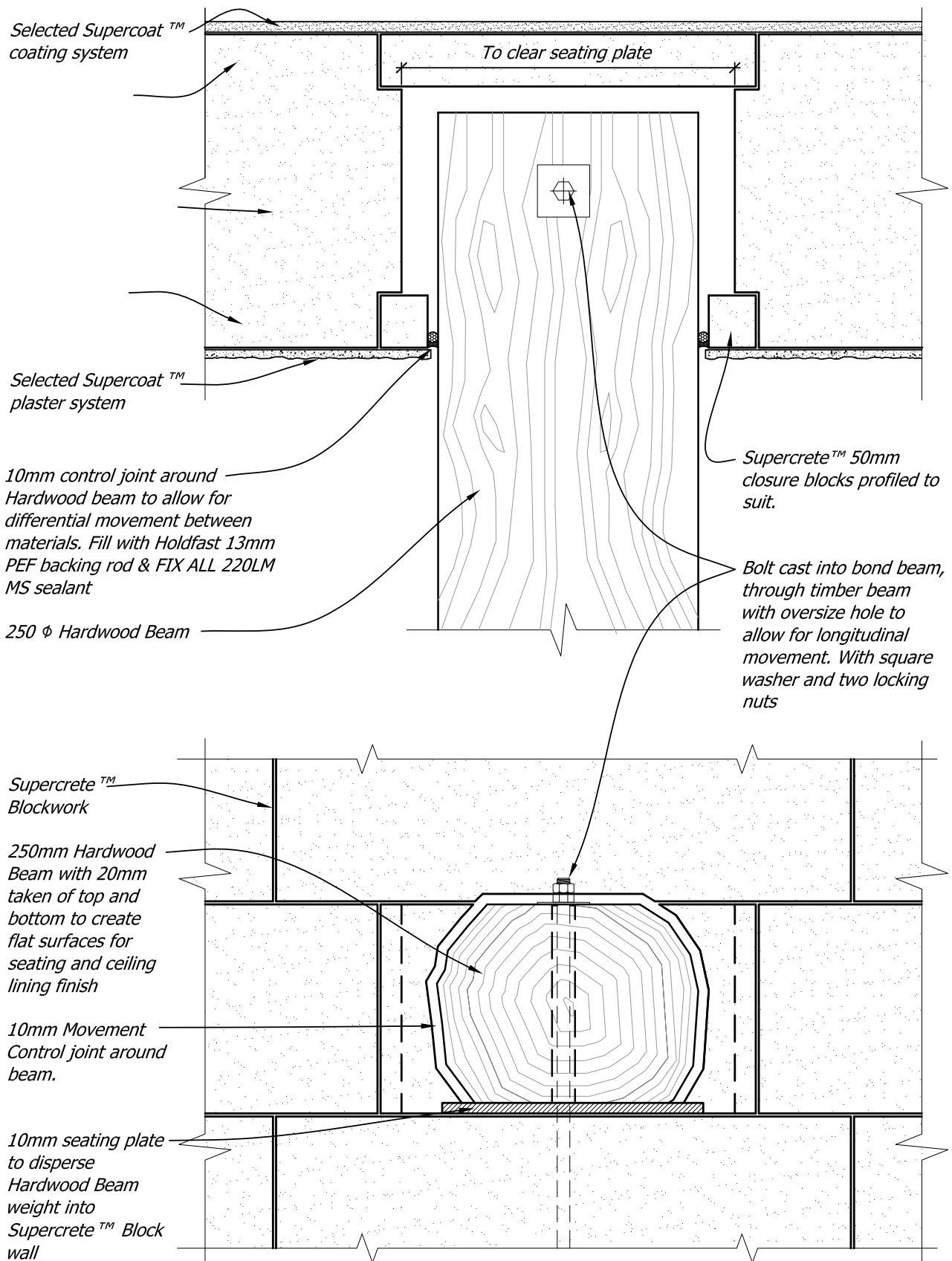
BLK 10.6 Typical Knee Detail for Concrete Portal Frame Encased in Supercrete™ Block



BLK 10.7 cast-in Hardwood Beam Section



BLK 10.8 cast-in Hardwood Beam Plan and Elevation



Technical Support

Superbuild International Ltd and its network of Distributors offers technical assistance across New Zealand. Visit www.superbuild.co.nz for your local Distributor who will offer free estimating services; technical support to project architects, engineers, builders and owners.

Health & Safety

Information on any known health risks of our products and how to handle them safely is shown on their package and/or the documentation accompanying them.

Additional information is listed in the Material Safety Data sheet. To obtain a copy, telephone 0800 GO 4 SUPER or visit www.superbuild.co.nz

Guarantee

Supercrete™ Autoclaved Aerated Concrete products and Supercoat™ Coating System products are guaranteed to be free of defect in material and manufacture.

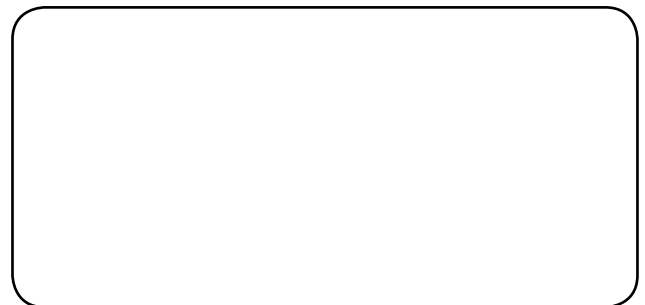
Installation workmanship and coating application work is guaranteed by the personnel who perform this work.

Substitution of this claddings' listed components is not permissible and if alternative brands, materials or elements are used, this will void all guarantees.

This guarantee excludes all other guarantees and liability for consequential damage or losses in connection with defective cladding, other than those imposed by legislation.

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