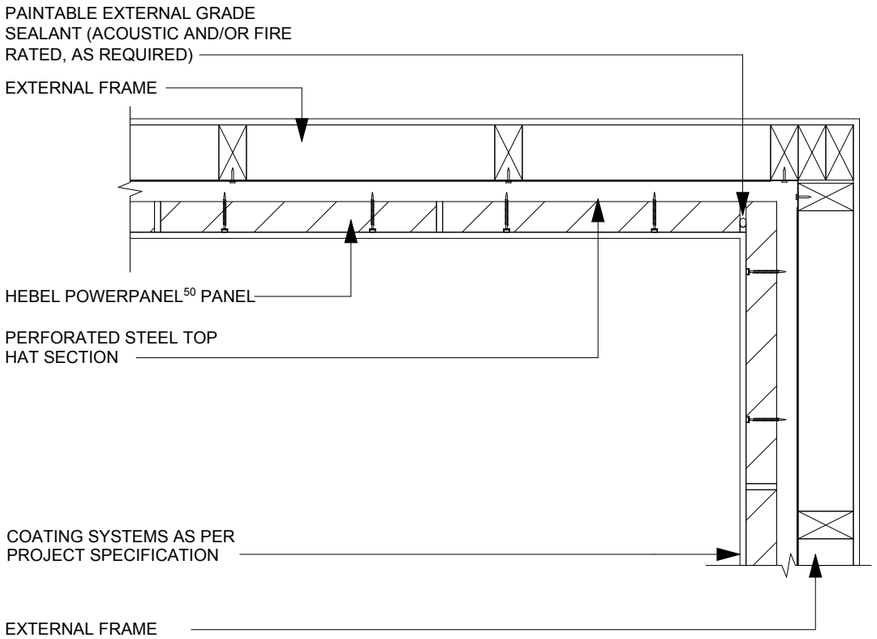
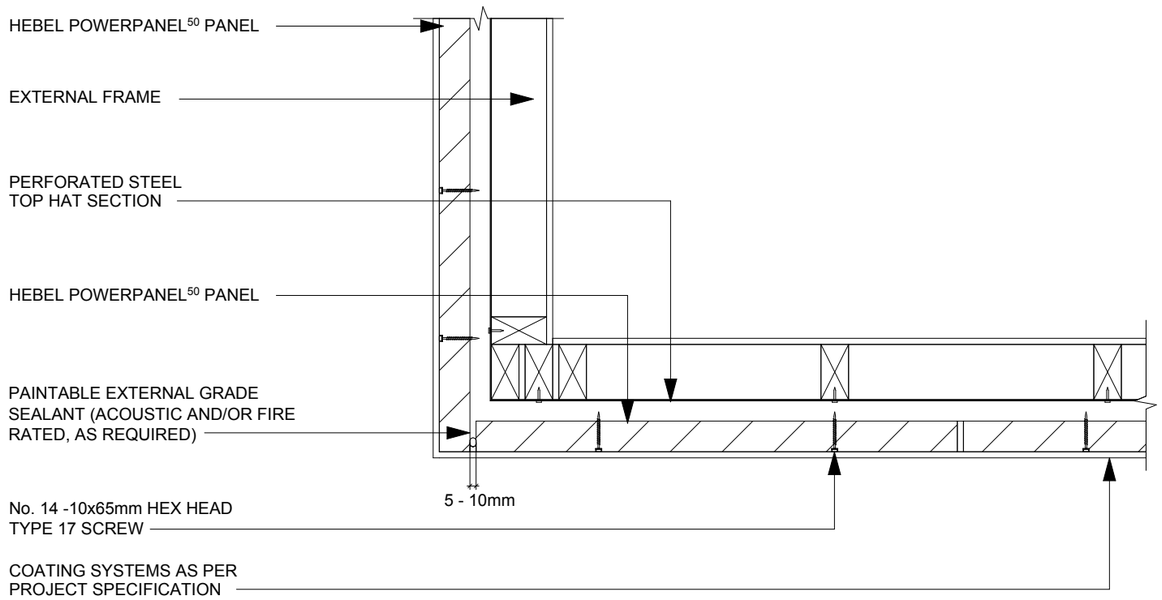
CONTROL JOINT DETAILS



INTERNAL CORNER

SCALE 1:10



EXTERNAL CORNER

SCALE 1:10

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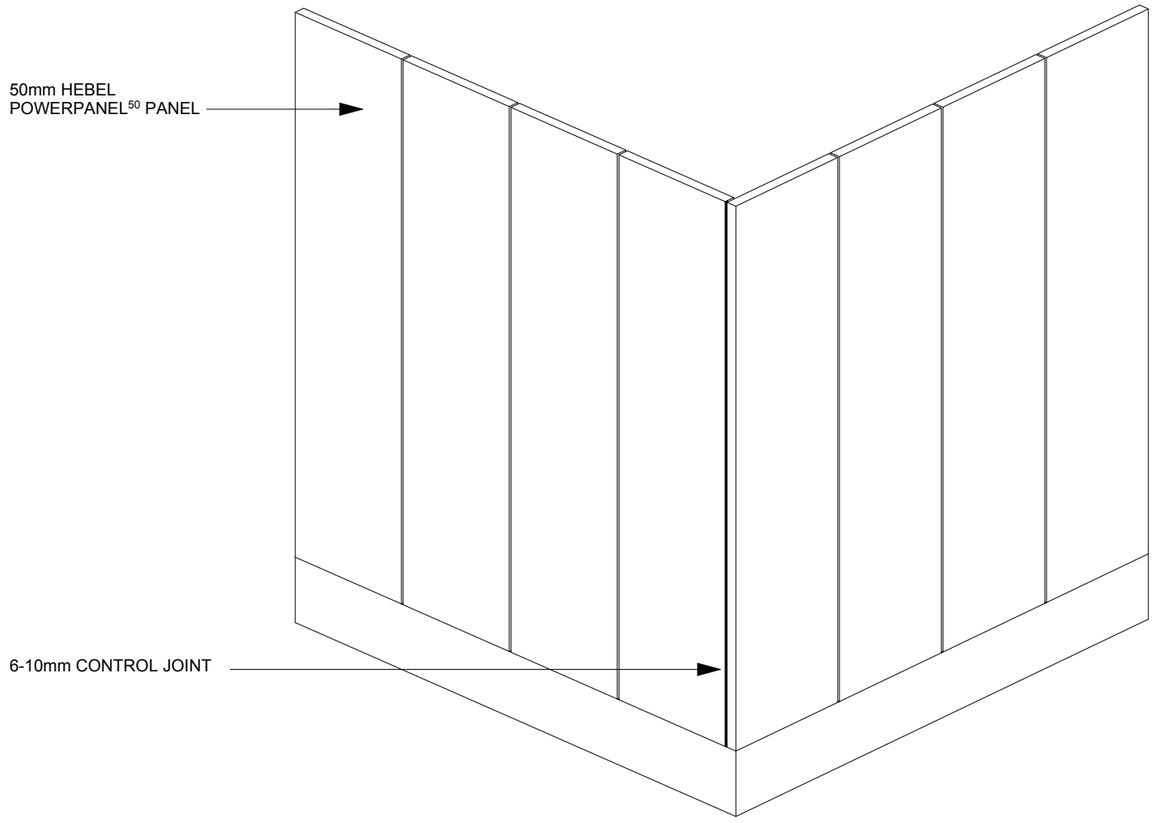
FIGURE: 3.34, 3.35	TITLE: POWERPANEL 50mm WALL SYSTEM INTERNAL CORNER - EXTERNAL CORNER			
DESIGN GUIDE REFERENCE: HELIT003 AUGUST 2013	SCALE: 1:10 @ A3	SHEET SIZE: A3	DRAWN: DA	DATE: 20.12.13
		SHEET NO:	CHECK: DG	REVISION: G

CONTROL JOINT DETAILS



NOTE: MESH TO BE INSTALLED UPON APPLICATION OF THE
EXTERNAL COATING SYSTEM TO THE PANELS.
MESH MUST BE INSTALLED WITHIN THE BASE LEVELLING COAT

TYPICAL DETAIL FOR CONTROL JOINTS POSITIONED ON CORNER

NTS

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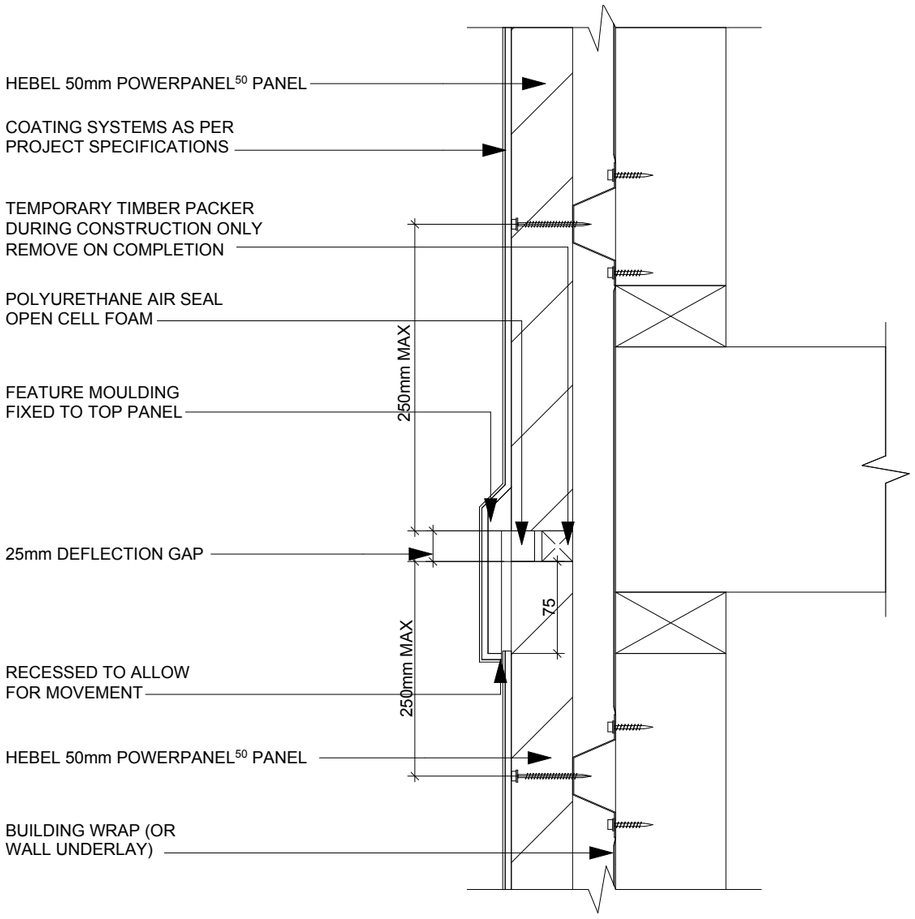
FIGURE	TITLE			
3.36	POWERPANEL 50mm WALL SYSTEM TYPICAL DETAIL FOR CONTROL JOINTS POSITIONED ON/AWAY FROM CORNER			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
HELIT003 AUGUST 2013	NTS @ A3	A3	DA	20.12.13
		SHEET NO	CHECK	REVISION
			DG	G

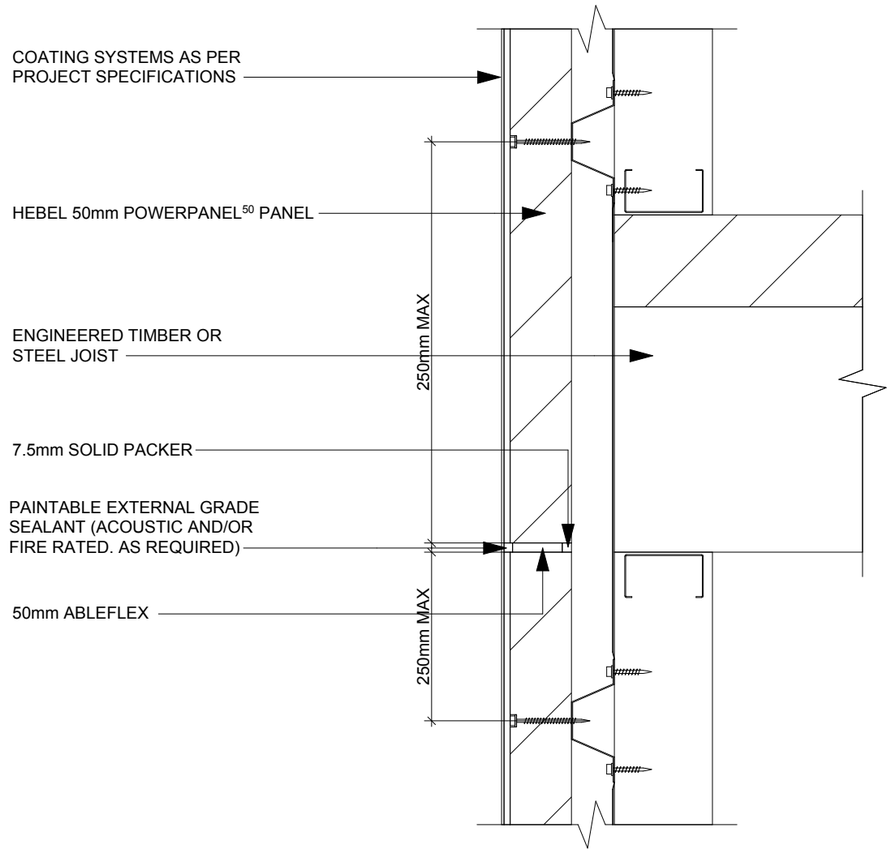
CONTROL JOINT DETAILS



NOTE: THE POSITION OF THE HORIZONTAL CONTROL JOINT MUST BE SUCH THAT THE PANEL MUST NOT CANTILEVER MORE THAN 250mm PAST THE LAST TOP AND BOTTOM. TOP HATS MUST NOT BE FIXED TO JOISTS

TYPICAL HORIZONTAL CONTROL JOINT - TIMBER STUD FRAME USING JOISTS WITH >1% SHRINKAGE

SCALE 1:5



NOTE: THE POSITION OF THE HORIZONTAL CONTROL JOINT MUST BE SUCH THAT THE PANEL MUST NOT CANTILEVER MORE THAN 250mm PAST THE LAST TOP AND BOTTOM. TOP HATS MUST NOT BE FIXED TO JOISTS

TYPICAL HORIZONTAL CONTROL JOINT - STEEL STUD FRAME OR ENGINEERED TIMBER JOISTS WITH ≤1% SHRINKAGE

SCALE 1:5

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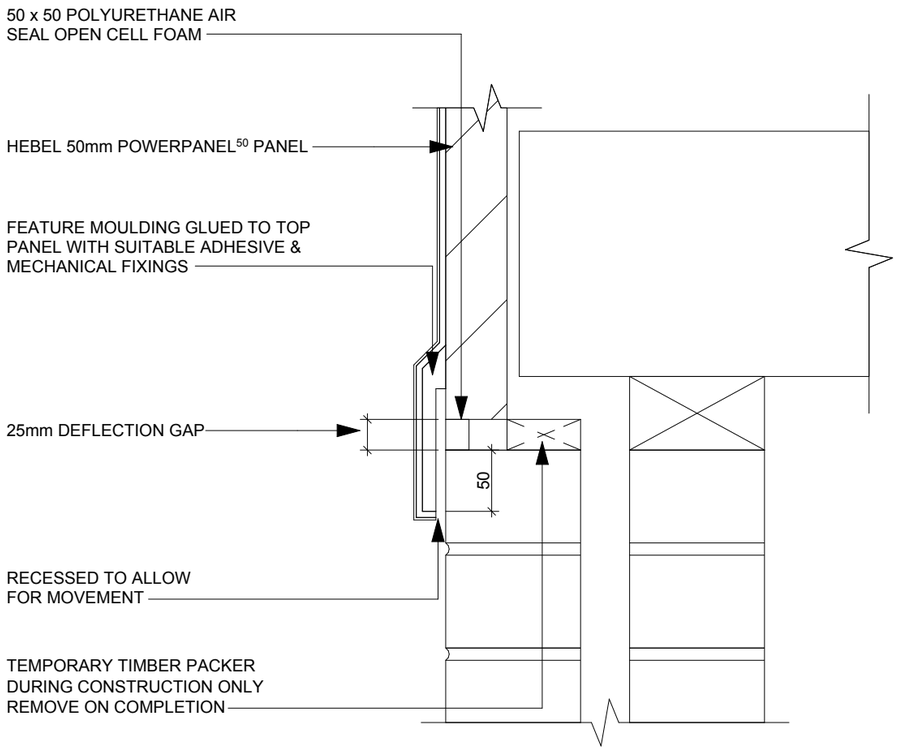
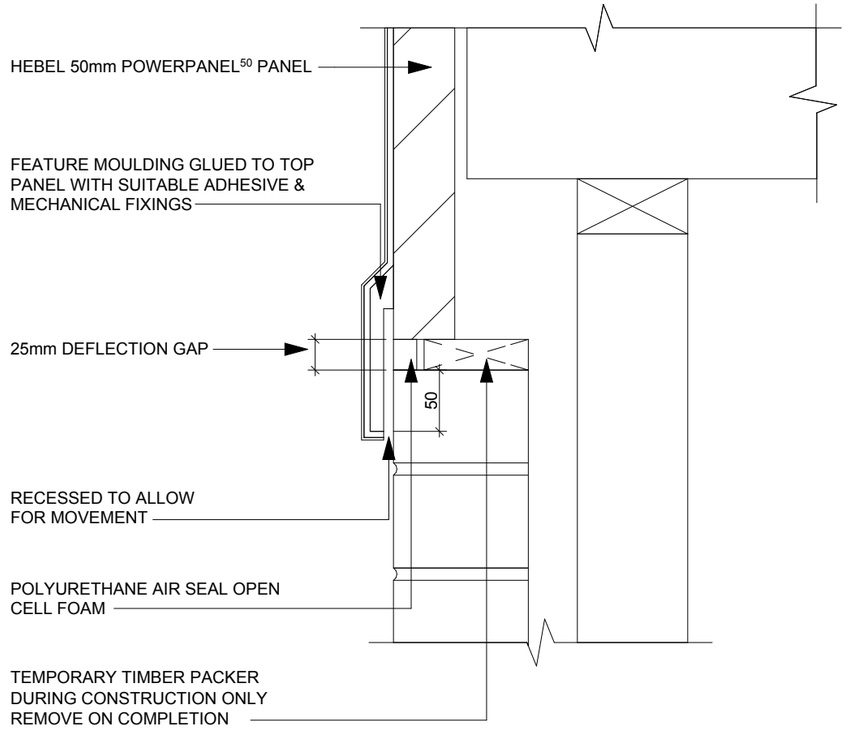
FIGURE: 3.37, 3.38	TITLE: POWERPANEL 50mm WALL SYSTEM TYPICAL HORIZONTAL CONTROL JOINT - TIMBER STUD >1% & TIMBER/STEEL FRAME ≤1% SHRINKAGE			
DESIGN GUIDE REFERENCE: HELIT003 AUGUST 2013	SCALE: 1:5 @ A3	SHEET SIZE: A3	DRAWN: DA	DATE: 20.12.13
		SHEET NO:	CHECK: DG	REVISION: G

CONTROL JOINT DETAILS



HORIZONTAL CONTROL JOINT - CAVITY BRICKWORK TO HEBEL POWERPANEL50 PANEL

SCALE 1:5



HORIZONTAL CONTROL JOINT - BRICK VENEER TO HEBEL POWERPANEL50 PANEL

SCALE 1:5

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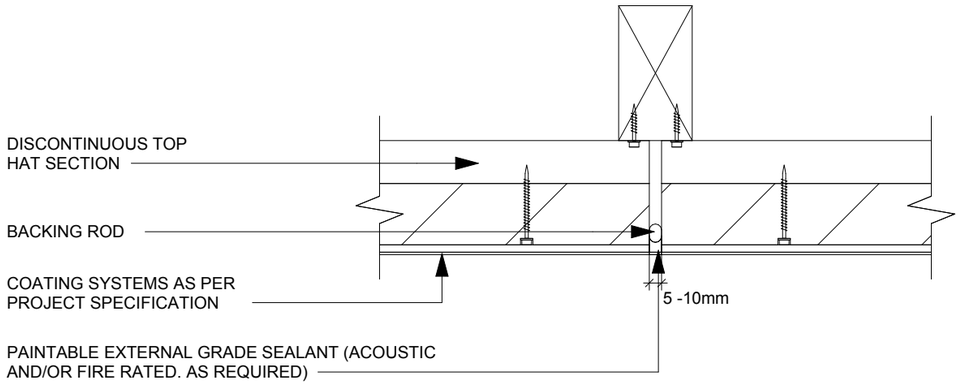
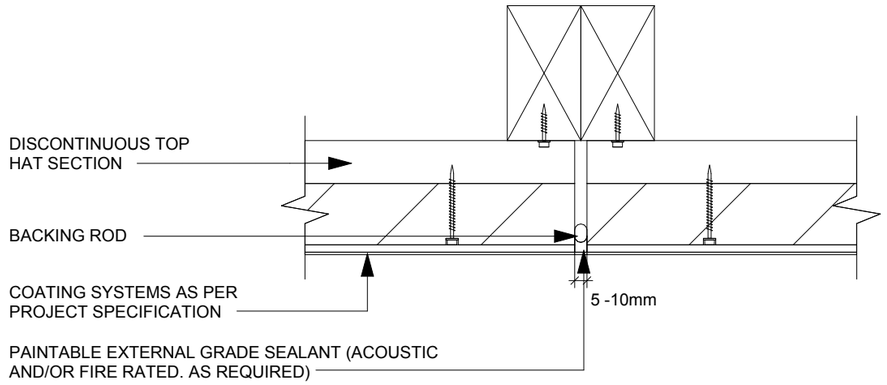
FIGURE	TITLE			
3.39, 3.40	POWERPANEL 50mm WALL SYSTEM HORIZONTAL CONTROL JOINT - CAVITY BRICKWORK - BRICK VENEER TO HEBEL POWERPANEL			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
HELIT003 AUGUST 2013	1:5 @ A3	A3	DA	20.12.13
		SHEET NO.	CHECK	REVISION
			DG	G

CONTROL JOINT DETAILS



TYPICAL VERTICAL CONTROL JOINT

SCALE 1:5



TYPICAL VERTICAL CONTROL JOINT (DISCONTINUOUS TOP HAT ON A DOUBLE STUD)

SCALE 1:5

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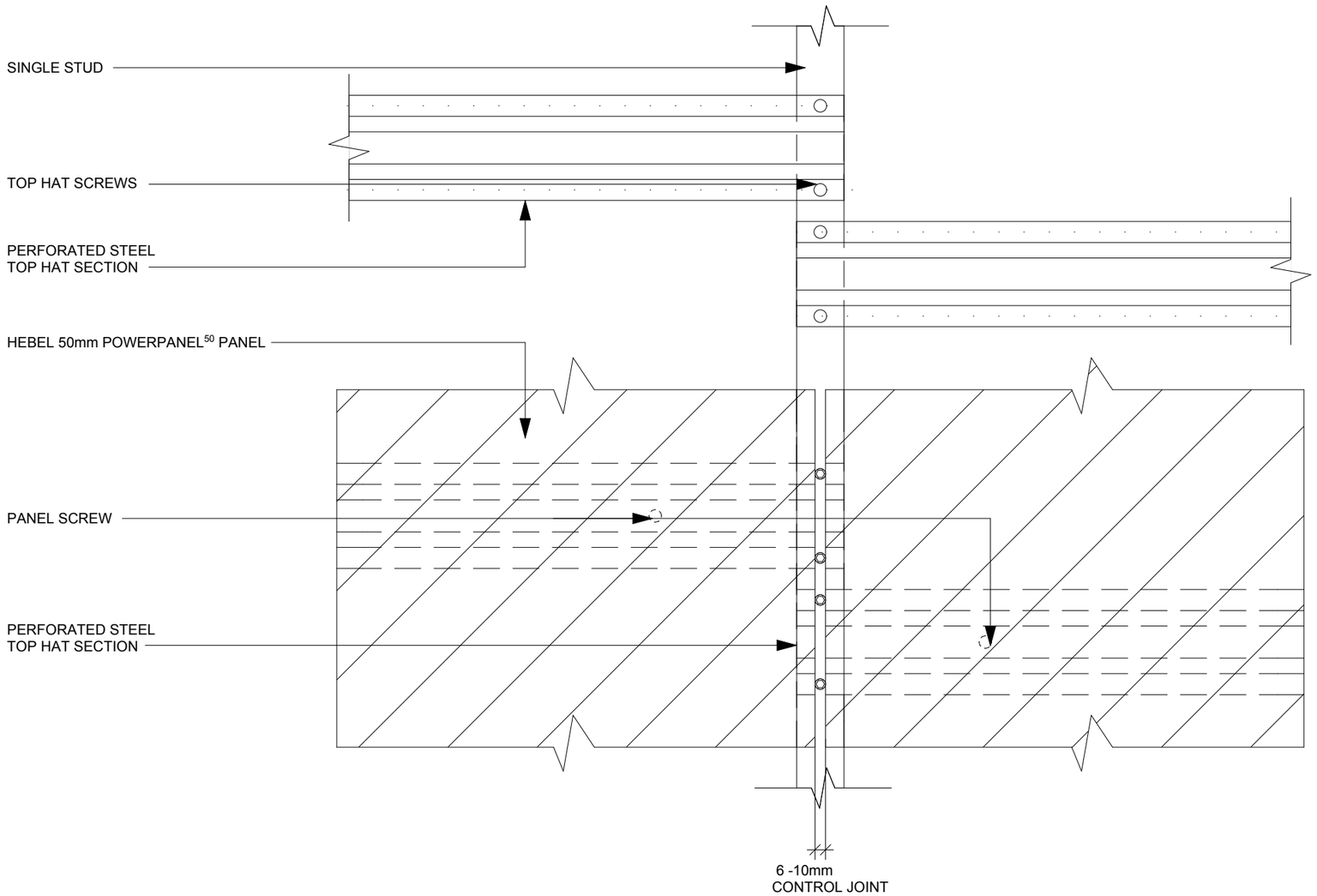
FIGURE: 3.41, 3.42	TITLE: POWERPANEL 50mm WALL SYSTEM TYPICAL VERTICAL CONTROL JOINT DETAILS (SINGLE STUD/DOUBLE STUD)			
DESIGN GUIDE REFERENCE: HELIT003 AUGUST 2013	SCALE: 1:5 @ A3	SHEET SIZE: A3	DRAWN: DA	DATE: 20.12.13
		SHEET NO:	CHECK: DG	REVISION: G

CONTROL JOINT DETAILS



DISCONTINUOUS TOP HATS ON A SINGLE STUD

SCALE 1:5

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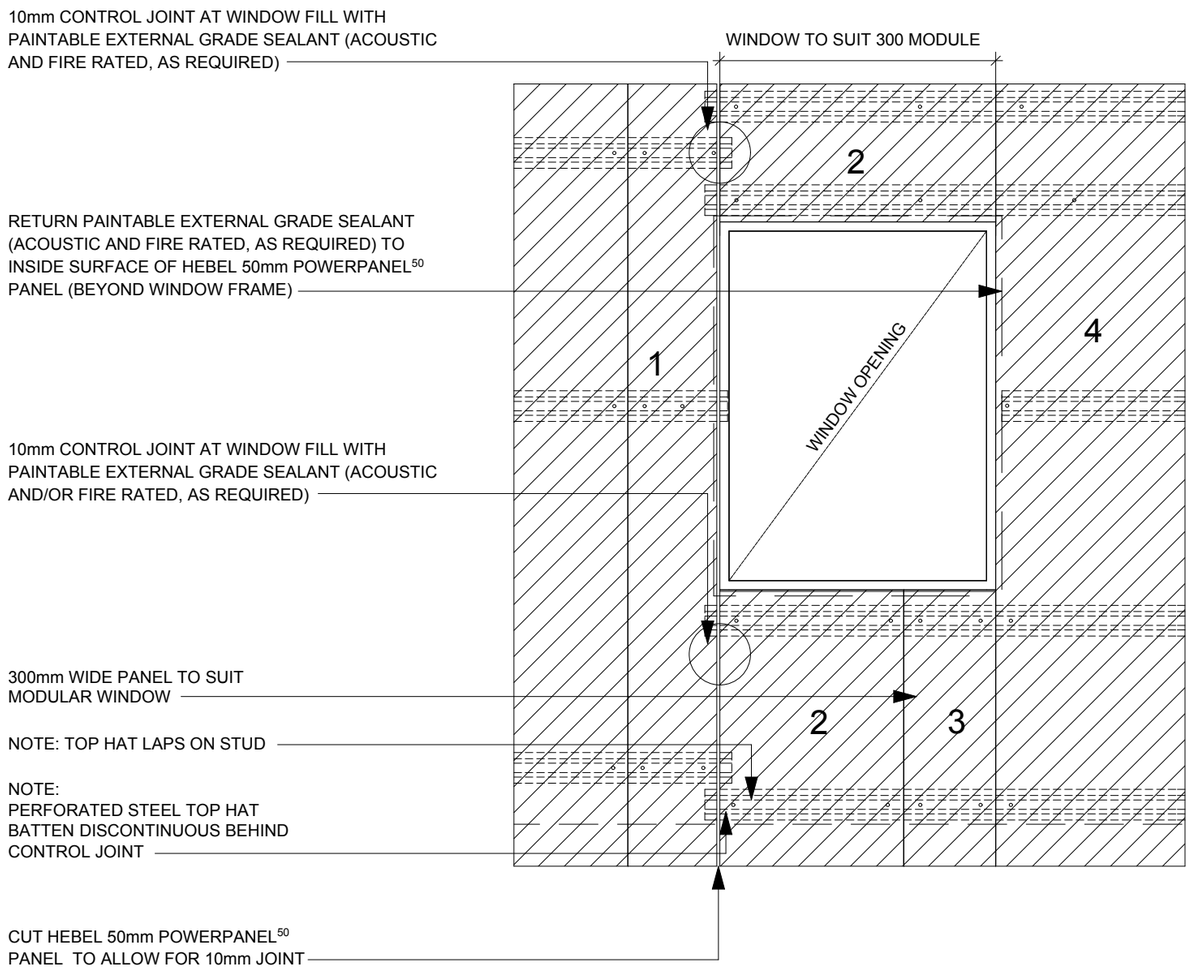
FIGURE	TITLE			
3.43	POWERPANEL 50mm WALL SYSTEM DISCONTINUOUS TOP HATS ON A SINGLE STUD			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
HELIT003 AUGUST 2013	1:5 @ A3	A3	DA	20.12.13
		SHEET NO	CHECK	REVISION
			DG	G

CONTROL JOINT DETAILS



TYPICAL WINDOW CONTROL JOINT DETAIL - LINTEL OVER

SCALE 1:20

NOTE:
1. THE INSTALLATION SEQUENCE OF THE 50mm POWERPANEL50 PANEL AROUND THE OPENINGS SHOULD BE FOLLOWED AS NUMBERED IF THERE IS NO CONTROL JOINT AT THE OPENING, TO MAINTAIN GLUE THICKNESS ON THE EDGE OF THE PANEL

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FIGURE	TITLE
3.44	POWERPANEL 50mm WALL SYSTEM TYPICAL WINDOW CONTROL JOINT DETAIL - LINTEL OVER

DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
HELIT003 AUGUST 2013	1:20 @ A3	A3	DA	20.12.13
		SHEET NO	CHECK	REVISION
			DG	G