

NOTE:

- 1. NON COMPRESSIBLE NON-COMBUSTIBLE PACKERS MAY BE USED BETWEEN THE BATTENS AND STUDS TO ALIGN THE HEBEL PANELS
- 2. PANELS NOT TESTED FOR IMPACT LOADING FROM WINDBORNE DEBRIS IN REGIONS C & D AS PER AS1170.2. BUILDING DESIGNER SHOULD ADDITIONALLY ALLOW FOR INTERNAL PRESSURES RESULTING FROM DOMINANT OPENINGS.

Scale	HEBEL	Drawn	Dat	
AS SHOWN	CCP	E.T	22.0	3.21
713 3110 WIV	NORTH RYDE - NSW - Australia	Checked	Dat	
Tolerances		N.G	22.0	3.21
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AS SHOWN	AS SHOWN document must be returned with quotation and/or on completion of the project as applicable.		22.0	3.21
		Project:		
DRAWN TO AS 1100		50mm HE	BEL POWE	ERPANEI
4 —		HORIZONTAL FACADE		
		Drawing Number		
	50mm FACADE GENERAL ARRANGEMENT	PP50-H	-F-001	
DIMENSIONS IN MILLIMETRES		Sheet		Revision
DO NOT SCALE		1	of	Revision

50mm HIGH RISE FACADE DETAILS - COMPONENTS AND FIXING DETAILS

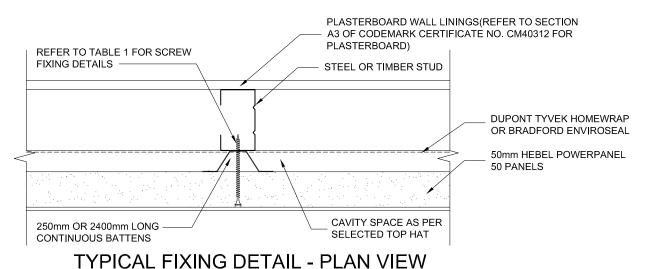


TABLE 1

SCALE: 1:5

SYSTEM COMPONENT	COMPONENT DETAILS	NOTES
50mm HEBEL POWERPANEL	2000mm x 600mm x 50mm 2400mm x 600mm x 50mm 2550mm x 600mm x 50mm 2700mm x 600mm x 50mm 2850mm x 600mm x 50mm 3000mm x 600mm x 50mm	
STEEL FRAME	92 mm STEEL FRAME	STEEL STUD TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH AS 3623 AND AS/N25 4600
TIMBER FRAME	90 mm TIMBER FRAME	TIMBER STUD TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH AS 1684
BATTENS/ BACK BLOCKS	20mm STEEL CAVITY BATTEN	0.42 THICK GALVANISED STEEL. 35x20x(250mm OR CONTINUOUS) OR 35x40x(250mm OR
	40mm STEEL CAVITY BATTEN	CONTINUOUS)
	RONDO 310	0.55 THICK GALVANISED STEEL. F $_{\rm Y}$ =270MPa. COATING CLASS Z275.
DATTE NOT BACK BECOKE	24mm PERFORATED STEEL TOP HAT	0.42 THICK GALVANISED STEEL. F_Y =550MPa. COATING CLASS AZ150.
	35mm PERFORATED STEEL TOP HAT	0.55 THICK GALVANISED STEEL. F_Y =270MPa. COATING CLASS Z275.
TEMPORARY FIXINGS TO FIX STEEL BATTENS TO STEEL FRAME	10-16x16mm HEX HEAD TEK SCREW	CLASS 3
TEMPORARY FIXINGS TO FIX STEEL BATTENS TO TIMBER FRAME	12-11x35mm HEX HEAD TYPE 17 SCREW	CLASS 3
SCREWS TO FIX 50mm HEBEL POWERPANEL THROUGH BATTEN INTO STEEL FRAME	14-10x100mm MP BUGLE HEAD TYPE 17 SCREW	CLASS 3
SCREWS TO FIX 50mm HEBEL POWERPANEL THROUGH BATTEN INTO TIMBER FRAME	14-10x150mm HEX HEAD TYPE 17 SCREW	CLASS 3

TABLE 2

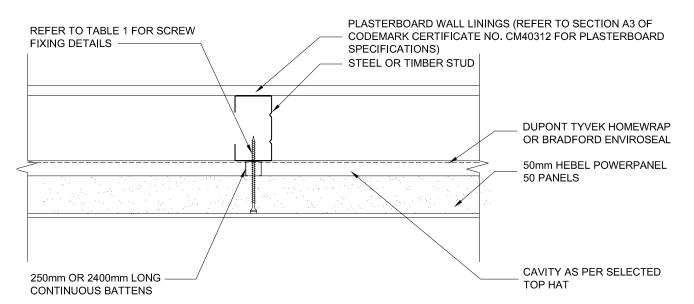
ULS WIND PRESSURE (KPA)	STUD SPACING (MM)	NUMBER OF SCREWS PER 600mm WIDE PANEL PER STUD
1.95	600	2
2.9	600	3
4.27	450	3

NOTE

- 1) STUD FRAME MUST BE DESIGNED TO LIMIT THE LATERAL DEFLECTION TO H/360 UNDER SERVICEABILITY WIND PRESSURE ACCORDANCE WITH AS1170.2.
- 2) WHERE 3 SCREWS ARE REQUIRED FOR 600mm WIDE PANEL PER STUD, A CONTINUOUS BATTEN IS TO BE USED.

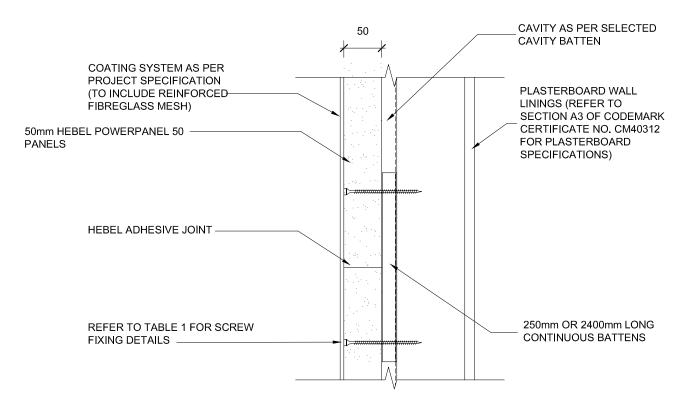
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- 1. NON COMPRESSIBLE NON-COMBUSTIBLE PACKERS MAY BE USED BETWEEN THE BATTENS AND STUDS TO ALIGN THE HEBEL PANELS
- 2. PANELS NOT TESTED FOR IMPACT LOADING FROM WINDBORNE DEBRIS IN REGIONS C & D AS PER AS1170.2. BUILDING DESIGNER SHOULD ADDITIONALLY ALLOW FOR INTERNAL PRESSURES RESULTING FROM DOMINANT OPENINGS.



TYPICAL FIXING DETAIL (FOR 20mm OR 40mm CAVITY BATTENS) - PLAN VIEW

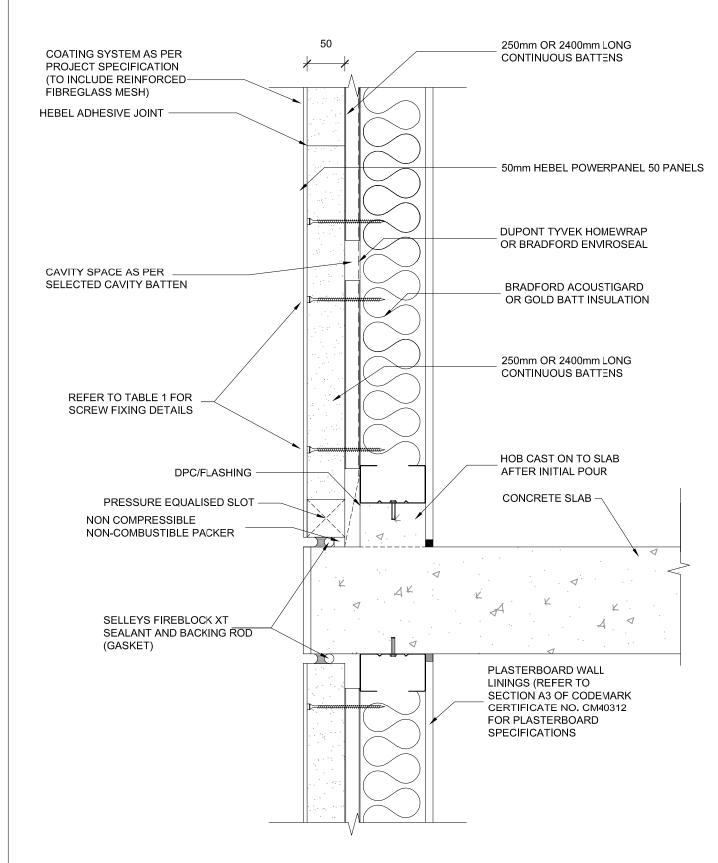
SCALE 1.5



TYPICAL FIXING DETAIL - SIDE VIEW

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DRAWN TO AS 1100	50mm FACADE COMPONENTS AND FIXING	HORIZON		
DIMENSIONS IN MILLIMETRES DO NOT SCALE	DETAILS	PP50-H Sheet 2	-F-002 of	Revision E

50mm HIGH RISE FACADE - VISIBLE SLAB EDGE DETAIL

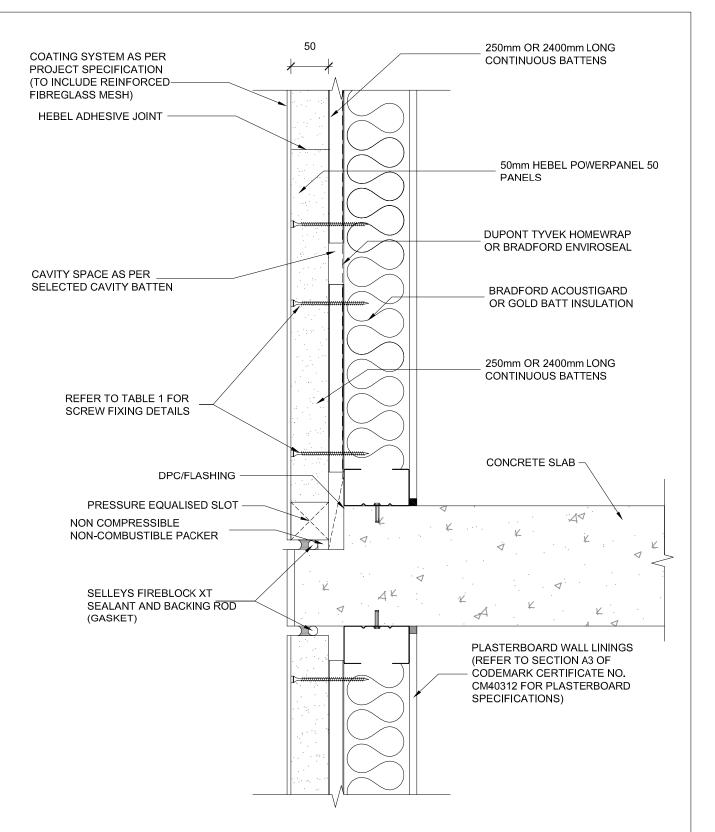


SLAB EDGE (EXPOSED) DETAIL - HEAD AND BASE DETAILS (HOB)

SCALE: 1:5

NOTE

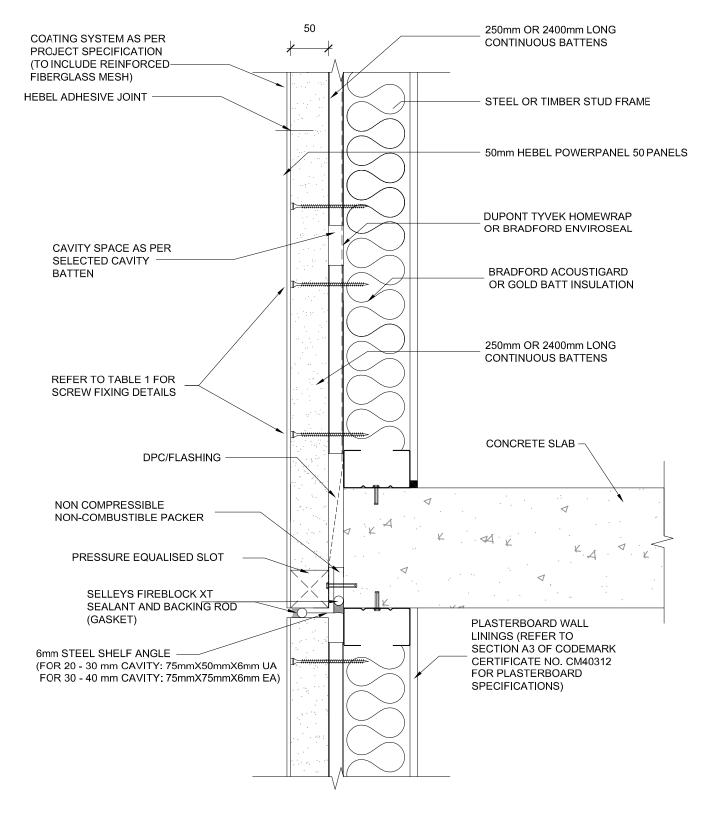
1) SELLEYS FIREBLOCK XT SHALL BE APPLIED WITH MINIMUM SEALANT DEPTH OF 16mm FOR WIDTHS UP TO 20mm.



SLAB EDGE (EXPOSED) DETAIL - HEAD AND BASE DETAILS

	Page 1				
Scale	CSR	HEBEL	Drawn E.T		ite 03.21
AS SHOWN	CSIC	NORTH RYDE - NSW - Australia	Checked N.G	Da 22 (ite 03.21
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			Project:		
DRAWN TO AS 1100				EBEL POW	
			HORIZON	NTAL FAC.	ADE
	ΓΛ	EACADE VISIBLE SLAB EDGE DETAIL	Drawing Number		
	DAIIII	I FACADE VISIBLE SLAB EDGE DETAIL	PP50-H	-F-003	
DIMENSIONS IN MILLIMETRES			Sheet		Revision
DO NOT SCALE			3	of	E

50mm HIGH RISE FACADE - HIDDEN SLAB EDGE DETAIL



SLAB EDGE (HIDDEN) DETAIL - HEAD AND BASE DETAILS

SCALE: 1:5

- 1) SELLEYS FIREBLOCK XT MAY ALTERNATIVELY BE APPLIED BEHIND THE TOP OF THE STEEL ANGLE PROVIDED ALL BOLT HOLES ARE ALSO SEALED WITH FIREBLOCK XT.
- 2) SELLEYS FIREBLOCK XT SHALL BE APPLIED WITH MINIMUM SEALANT DEPTH OF 16mm FOR WIDTHS UP
- 3) CARE MUST BE TAKEN BY THE FRAMING CONTRACTOR TO ALIGN WALLS FROM ADJACENT LEVELS.
- 4) ALL SHELF ANGLE ANCHORS MUST CONTAIN A MINIMUM EDGE DISTANCE OF 70mm TO UNDERSIDE OF SLAB.
- 5) SHELF ANGLE ANCHORS MAY BE:
- M12 HILTI HVU GALVANISED CHEMICAL ANCHORS AT 900mm MAX CENTRES (110mm EMBEDMENT DEPTH)
 - M10 HILTI HVU GALVANISED CHEMICAL ANCHORS AT 450mm MAX CENTRES (90mm EMBEDMENT DEPTH)
 - HILTI HSA-F M10 GALVANISED MECHANICAL ANCHORS AT 600mm MAX CENTRES (50mm EMBEDMENT INTO UNCRACKED CONCRETE, 150mm MIN. THICKNESS.
- 6) MIN GRADE OF STEEL SHELF ANGLE IS G250 (GALVANISED)

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DDAVIN TO AC 1100		Project:	EBEL POWERPANI		
DRAWN TO AS 1100			NTAL FACADE		
	50mm FACADE HIDDEN SLAB EDGE DETAIL		Drawing Number PP50-H-F-004		
DIMENSIONS IN MILLIMETRES DO NOT SCALE		Sheet 4	Revision E		

50mm HIGH RISE FACADE DETAILS - SYSTEM PERFORMANCE

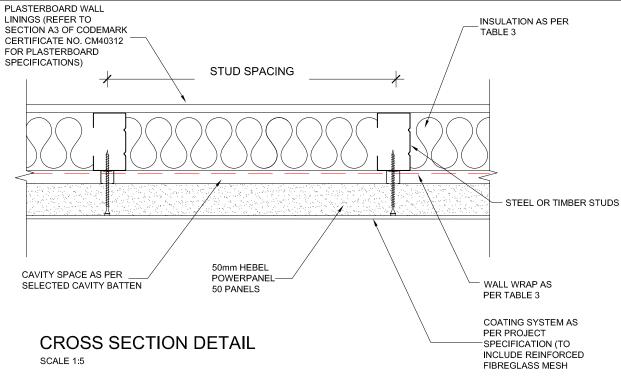


TABLE 3

	DESCRIPTION			TOTAL R-VALUE m ² .K/W		ACO	USTIC	
INTERNAL LINING	STUD FRAME	INSULATION BATTS	WALL WRAP	BATTEN CAVITY	SUMMER	WINTER	Rw	Rw + Ctr
		90mm BRADFORD GOLD WALL BATTS R2.5	BRADFORD ENVIROSEAL CW OR		2.48	2.6	49	35
1x13mm GYPROCK STANDARD PLASTERBOARD		90mm BRADFORD GOLD WALL BATTS R2.7	BRADFORD ENVIROSEAL RW <u>OR</u> DUPONT TYVEK HOMEWRAP		2.59	2.7	49	35
		90mm BRADFORD GOLD WALL BATTS R2.7	AMETALIN FIRESARK BREATHER <u>OR</u> BRADFORD THERMOSEAL FIRESPEC		3.04	3.15	49	35
		90mm BRADFORD GOLD WALL BATTS R2.5	BRADFORD ENVIROSEAL CW OR BRADFORD ENVIROSEAL RW OR		2.35	2.45	50	37
1x16mm GYPROCK FYRCHEK		90mm BRADFORD GOLD WALL BATTS R2.7	DUPONT TYVEK HOMEWRAP		2.45	2.54	50	37
	90mm OR 92mm	90mm BRADFORD GOLD WALL BATTS R2.7	AMETALIN FIRESARK BREATHER <u>OR</u> BRADFORD THERMOSEAL FIRESPEC	20mm	2.88	2.97	50	37
	STEEL STUD FRAME	90mm BRADFORD GOLD WALL BATTS R2.5	BRADFORD ENVIROSEAL CW OR BRADFORD ENVIROSEAL RW OR	MIN.	2.46	2.57	52	43
2x13mm GYPROCK FYRCHEK		90mm BRADFORD GOLD WALL BATTS R2.7	DUPONT TYVEK HOMEWRAP		2.57	2.67	52	43
		90mm BRADFORD GOLD WALL BATTS R2.7	AMETALIN FIRESARK BREATHER <u>OR</u> BRADFORD THERMOSEAL FIRESPEC		2.99	3.09	52	43
		90mm BRADFORD GOLD WALL BATTS R2.5	BRADFORD ENVIROSEAL CW OR BRADFORD ENVIROSEAL RW OR		2.52	2.64	53	44
2x16mm GYPROCK FYRCHEK		90mm BRADFORD GOLD WALL BATTS R2.7	DUPONT TYVEK HOMEWRAP		2.63	2.74	53	44
		90mm BRADFORD GOLD WALL BATTS R2.7	AMETALIN FIRESARK BREATHER <u>OR</u> BRADFORD THERMOSEAL FIRESPEC		3.05	3.15	53	44

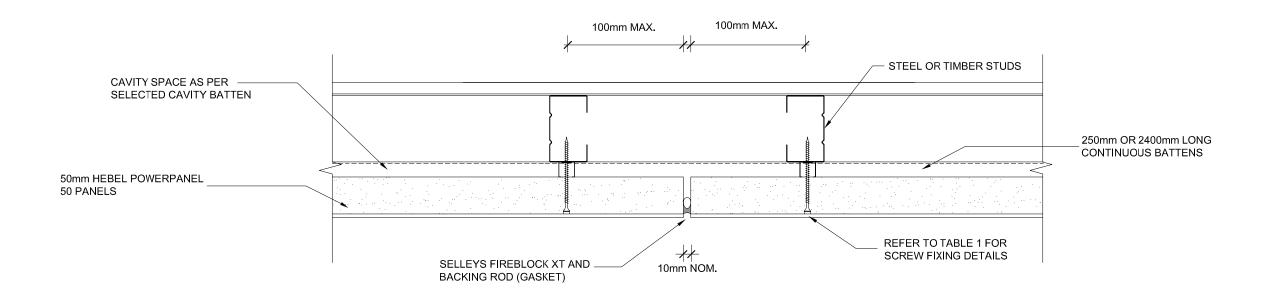
TABLE 4

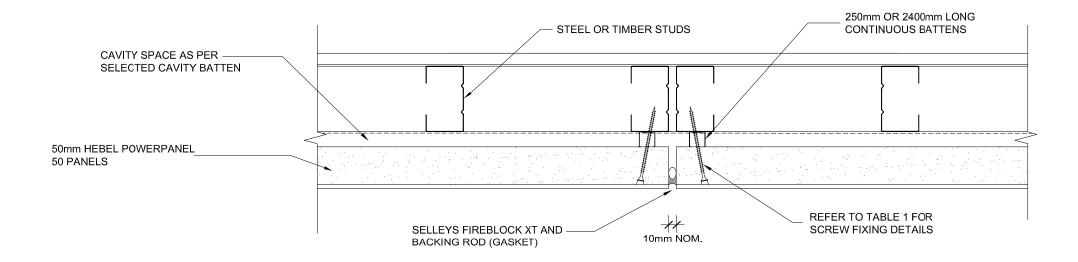
DESCRIPTION		FRI
INTERNAL LINING	STUD FRAME	TILE
1x13mm GYPROCK STANDARD PLASTERBOARD	TIMBER OR STEEL FRAME	-/60/60 OR 60/60/60 (OUTSIDE ONLY)
1x16mm FYRCHEK	TIMBER FRAME	-/60/60 OR 60/60/60 (INSIDE AND OUTSIDE)
1x13mm OR 1x16mm FYRCHEK	STEEL FRAME	-/60/60 OR 60/60/60 (INSIDE AND OUTSIDE)
1x13mm GYPROCK STANDARD PLASTERBOARD	TIMBER OR STEEL FRAME	-/90/90 OR 90/90/90 (OUTSIDE ONLY)
2x13mm OR 1x16mm FYRCHEK	TIMBER OR STEEL FRAME	-/90/90 OR 90/90/90 (INSIDE AND OUTSIDE)
1x13mm GYPROCK STANDARD PLASTERBOARD	TIMBER OR STEEL FRAME	-/120/120 OR 120/120/120 (OUTSIDE ONLY)
2x13mm OR 2x16mm FYRCHEK	TIMBER OR STEEL FRAME	-/120/120 OR 120/120/120 (INSIDE AND OUTSIDE)

- THE MAXIMUM STUD SPACING IS 450mm CENTRES FOR THE SYSTEM OPTIONS THAT CONTAIN GYPROCK FYRCHEK AS THE INTERNAL LINING.
- DULUX ACRATEX RENDER AND COATING SYSTEM HAS BEEN INCLUDED IN TOTAL R-VALUE OF THE WALL SYSTEMS PROVIDED IN TABLE 3.
- BRADFORD GOLD WALL BATTS HAS BEEN TESTED TO AS1530.1 AND IS DEEMED NON-COMBUSTIBLE.
- BRADFORD ENVIROSEAL RW, BRADFORD ENVIROSEAL CW, DUPONT TYVEK HOMEWRAP AND AMETALIN FIRESARK BREATHER ARE VAPOUR PERMEABLE AND CAN BE USED IN CLIMATE ZONES 2 TO 8.
- BRADFORD THERMOSEAL FIRESPEC IS A VAPOUR BARRIER AND CAN BE USED IN CLIMATE ZONES 1 TO 5 (AS PER PROJECT SPECIFICATIONS).
- WALL WRAPS SPECIFIED IN TABLE 3 CONTAIN A FLAMMABILITY INDEX < 5 AND ARE LESS THAN 1mm THICK. THEREFORE THESE WALL WRAPS ARE DEEMED NON-COMBUSTIBLE IN ACCORDANCE WITH NCC 2019 Amdt 1.
- WALL WRAPS ARE MANDATORY AS PART OF THE PRESSURE EQUALISATION SYSTEM TO ACHIEVE WEATHERTIGHNESS.
 THE TAPE(S) USED TO AFFIX WALL WRAPS TO THE STEEL STUD FRAME ARE TO BE COMPATIBLE WITH THE WALL WRAP TYPE AND AS RECOMMENDED BY THE WALL WRAP MANUFACTURER AND ARE TO SATISFY THE SAME PROPERTIES AS OUTLINED ABOVE.
- THE THERMAL VALUES ARE BASED ON STEEL FRAMED STRUCTURES. THE OVERALL SURFACE FOR TIMBER FRAMED STRUCTURES IS HIGHER THAN EQUIVALENT STEEL FRAMED STRUCTURES.
- 10) THE ACOUSTIC VALUES ARE BASED ON STEEL FRAMED STRUCTURES.
- 11) FRL OF THE WALL SYSTEMS ARE BASED ON IGNS-8349 I02 R04 ISSUED 17.03.2021

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DRAWN TO AS 1100			EBEL POWERPANEL
	50mm FACADE PERFORMANCE VALUES	Drawing Number PP50-H-F-005	
DIMENSIONS IN MILLIMETRES DO NOT SCALE		Sheet 5	Revision E

50mm HIGH RISE FACADE DETAILS - VERTICAL CONTROL JOINTS





TYPICAL VERTICAL CONTROL JOINTS

SCALE: 1.5

- 1) MAXIMUM SPACING OF CONTROL JOINTS TO BE LIMITED TO 6m
- 2) A CONTROL JOINT IN THE WALL MUST OCCUR AT CONTROL JOINT LOCATIONS IN THE PRIMARY SUPPORT STRUCTURE
- 3) FOR WINDOW/ DOOR OPENINGS LESS THAN OR EQUAL TO 2400mm, A CONTROL JOINT IS TO BE PROVIDED TO ONE SIDE OF THE WINDOW/ DOOR OPENING.
- 4) FOR WINDOW/ DOOR OPENINGS GREATER THAN 2400mm, A CONTROL JOINT IS TO BE PROVIDED TO BOTH SIDES OF THE WINDOW/ DOOR OPENING.

Scale	HEDEL	Drawn	Date	
AS SHOWN	HEBEL AS SHOWN		22.03.21	
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		Project:		
DRAWN TO AS 1100		50mm HE	BEL POWERPA	NEL
		HORIZON	NTAL FACADE	
(()) 	50mm FACADE VERTICAL JUNCTIONS - CONTROL	Drawing Number		
	JOINTS	PP50-H	-F-006	
DIMENSIONS IN MILLIMETRES	33	Sheet	Revis	sion
DO NOT SCALE		6	of E	

50mm HIGH RISE FACADE DETAILS - EXTERNALCORNER JOINT DETAIL REFER TO TABLE 1 FOR SCREW FIXING DETAILS 50mm HEBEL POWERPANEL 50 **PANELS** STEEL OR TIMBER STUD FRAME CAVITY SPACE AS PER -SELECTED CAVITY BATTEN 250mm OR 2400mm LONG CONTINUOUS BATTENS NOM.10mm COATING SYSTEM AS PER SELLEYS FIREBLOCK XT AND REFER TO TABLE 1 FOR PROJECT SPECIFICATION (TO BACKING ROD (GASKET) SCREW FIXING DETAILS CAVITY SPACE AS PER INCLUDE REINFORCED SELECTED CAVITY BATTEN FIBREGLASS MESH) **EXTERNAL CORNER** SCALE: 1:5 Date 22.03.21 Drawn E.T Checked Scale HEBEL CSR AS SHOWN NORTH RYDE - NSW - Australia Date 22.03.21 Tolerances This document is confidential. This document and its copyright are the property of or licensed to CSR Limited, and must not be used, disclosed or reproduced in any form whatsoever except as authorised in writing. This document must be returned with quotation and/or on completion of the project as applicable. Date 22.03.21 Approved N.G

AS SHOWN

DRAWN TO AS 1100

DIMENSIONS IN MILLIMETRES DO NOT SCALE

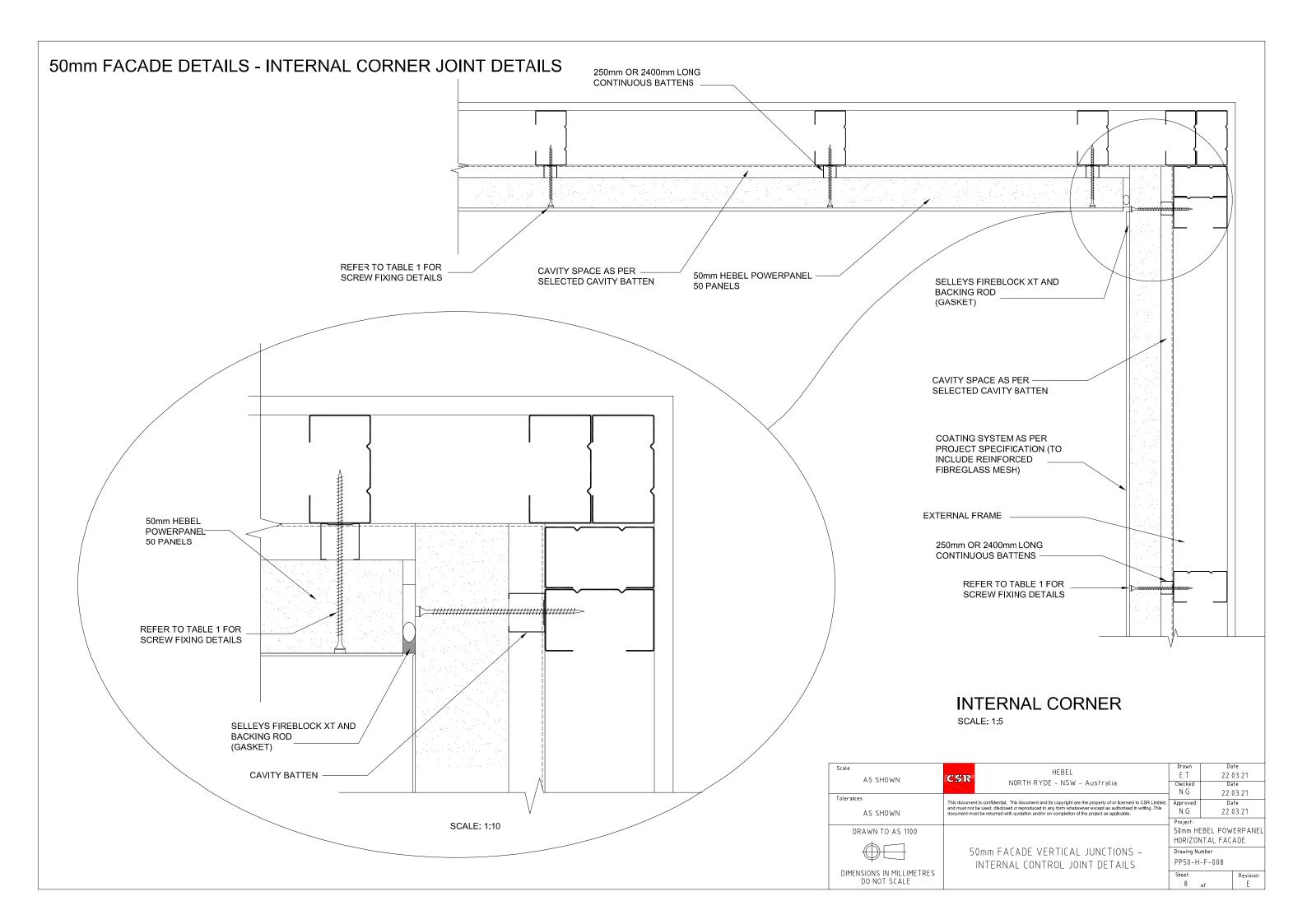
50mm HEBEL POWERPANEL

HORIZONTAL FACADE

Drawing Number PP50-H-F-007

50mm FACADE VERTICAL JUNCTIONS -

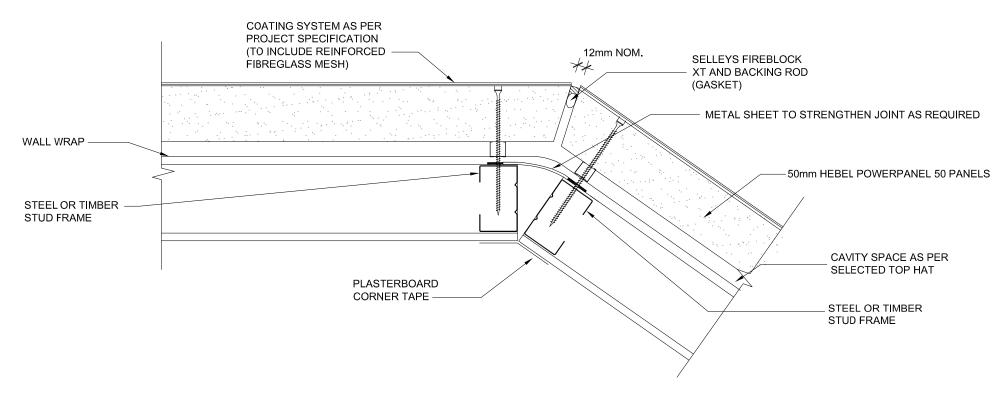
EXTERNAL CONTROL JOINT DETAILS



50mm HIGH RISE FACADE DETAILS - CONTROL JOINT JUNCTION DETAILS CONCRETE WALL OR COLUMN CAVITY SPACE AS PER SELECTED CAVITY BATTEN SOmm HEBEL POWERPANEL 50 PANELS REFER TO TABLE 1 FOR SCREW FIXING DETAILS TABLE 3 FIREBLOCK XT AND BACKING ROD (GASKET) (GASKET)

JUNCTION TO CONCRETE COLUMN/WALL DETAIL

SCALE: 1:5

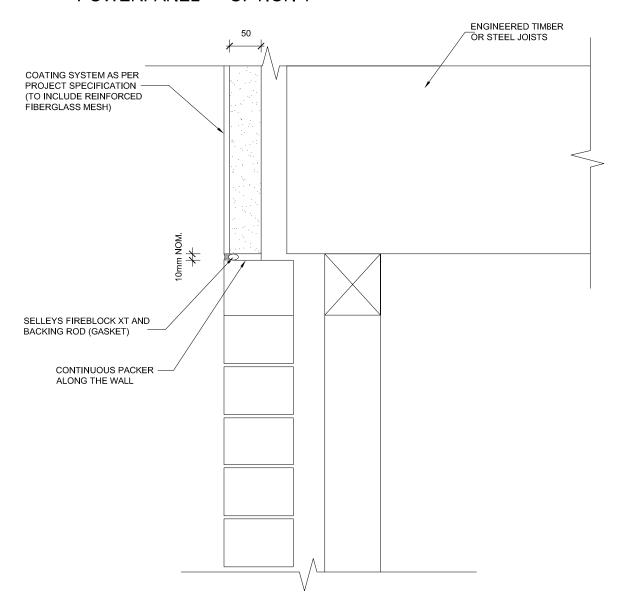


ANGLE CORNER DETAIL

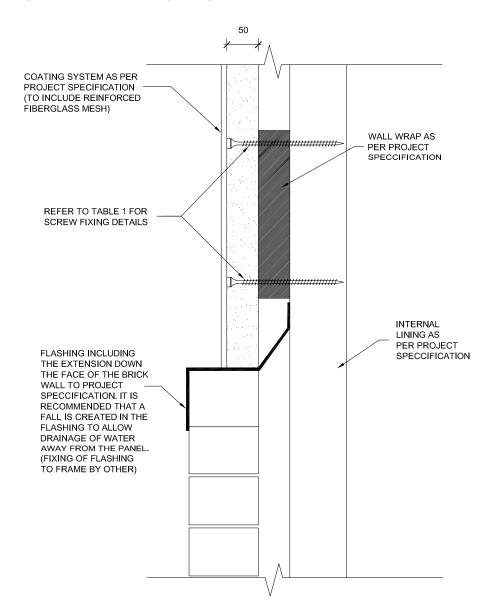
Scale A.S. SHOWN	HEBEL NOOTH DAYS A CALL	Drawn E.T	Date 22.03.21	
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		Project:		
DRAWN TO AS 1100		50mm HE	BEL POWERPANEL	
* —		HORIZON	NTAL FACADE	
() 	EA EACABE MEDICAL MINISTIONS	Drawing Number		
	50mm FACADE VERTICAL JUNCTIONS	PP50-H-F-009		
DIMENSIONS IN MILLIMETRES DO NOT SCALE		Sheet 9	Revision E	

50mm HIGH RISE FACADE DETAIL - HORIZONTAL JOINT DETAIL

HORIZONTAL CONTROL JOINT - BRICK VENEER TO HEBEL POWERPANEL 50 - OPTION 1

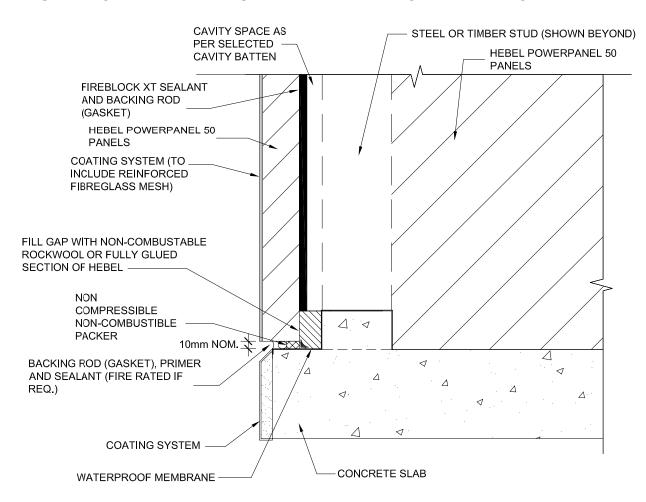


HORIZONTAL CONTROL JOINT - BRICK VENEER TO HEBEL POWERPANEL 50 - OPTION 2



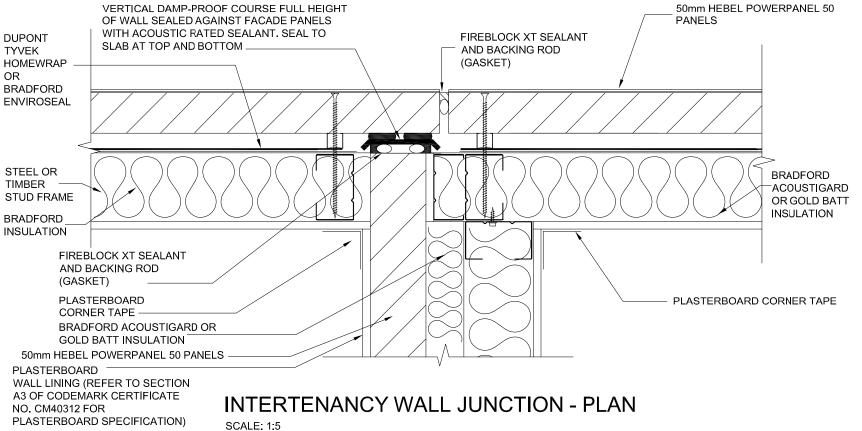
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		Project:		
DRAWN TO AS 1100		50mm HEBEL POWERPANEI		
4 —		HORIZON	NTAL FAC	ADE
(1)	DDICK VENEED HINGTIONS	Drawing Nu	mber	
	BRICK VENEER JUNCTIONS	PP50-H-F-010		
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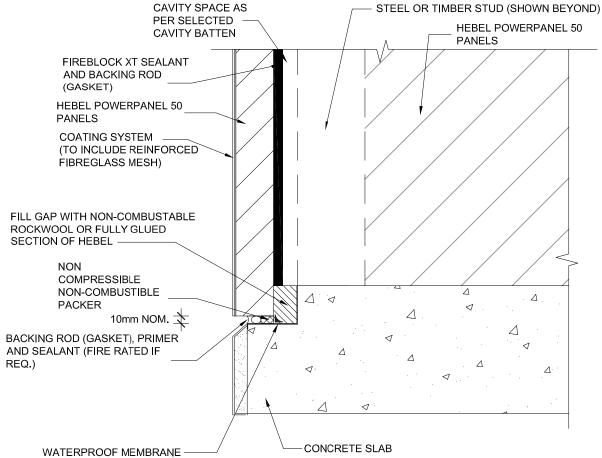
50mm HIGH RISE FACADE DETAILS - INTERTENANCY WALL TO EXTERNAL WALL JUNCTION DETAILS



INTERTENANCY WALL JUNCTION - ELEVATION (HOB)

SCALE: 1.5

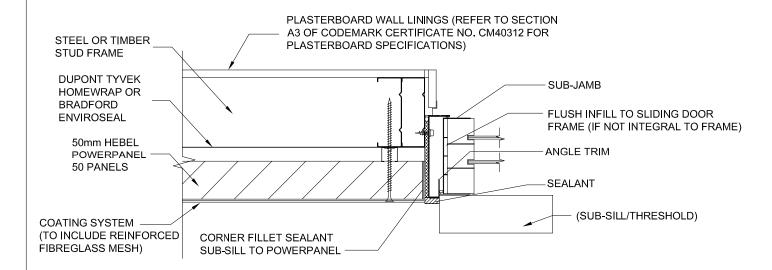




INTERTENANCY WALL JUNCTION - ELEVATION

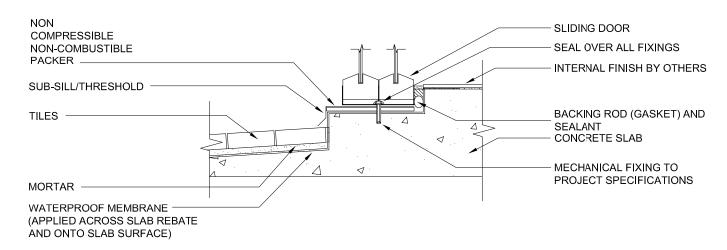
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AS SHOWN	CSR NORTH RYDE - NSW - Australia	E.T	22.03.21
	MOKILLKIDE - M2M - AUSILIANA	Checked	Date
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		Project:	
DRAWN TO AS 1100		50mm HE	BEL POWERPANEL
1		HORIZON	NTAL FACADE
	50mm FACADE VERTICAL JUNCTIONS -	Drawing Nu	mhor
	JUMINIT ACADE VERTICAL JUNCTIONS -	1	
1	INTERTENANCY/PARTY WALL JUNCTION	PP50-H	011
DIMENSIONS IN MILLIMETRES		Sheet	Revision
DO NOT SCALE		11	of F

50mm HIGH RISE FACADE DETAILS - SLIDING DOOR JUNCTION



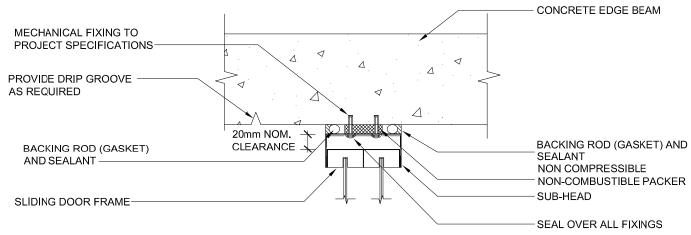
SLIDING DOOR JAMB AT BASE

SCALE 1.5



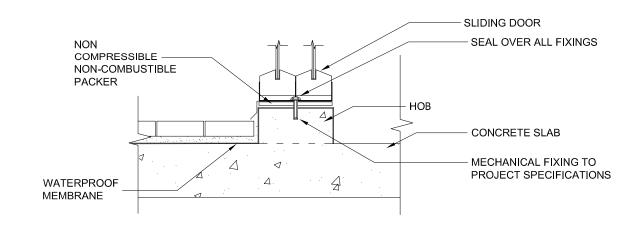
SLIDING DOOR BASE - SIDE ELEVATION

SCALE: 1.5



SLIDING DOOR HEAD

SCALE 1.5

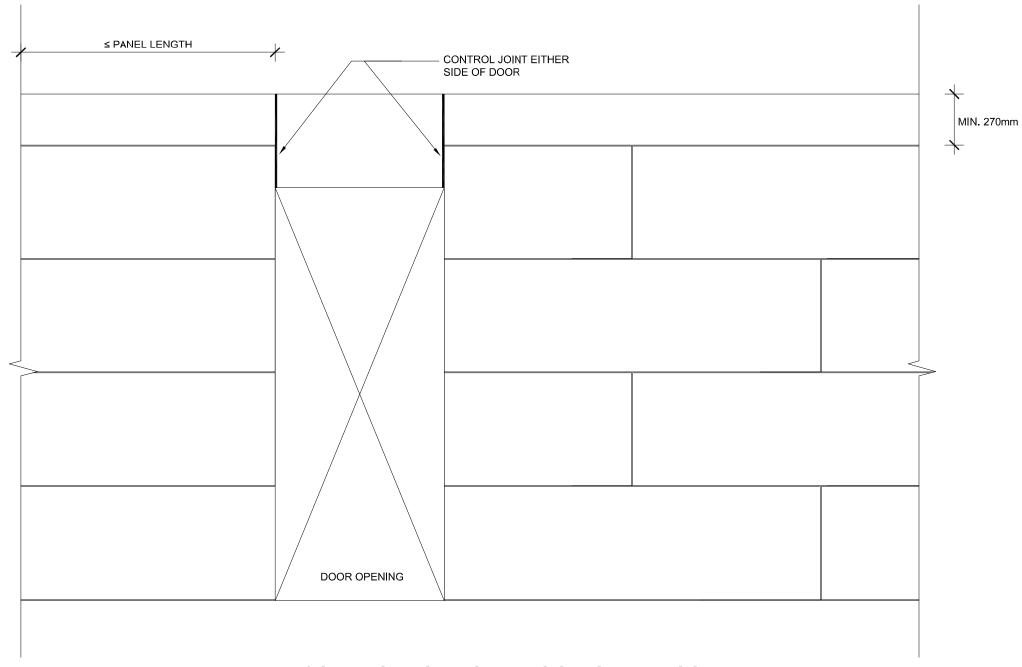


SLIDING DOOR BASE - SIDE ELEVATION (HOB)

SCALE: 1.5

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	AS SHOWN	CSR HEBEL	E.T	22.0	03.21
	AS SHOWN	NORTH RYDE - NSW - Australia	Checked	Da	ite
ı	Tolerances		N.G	22.0	03.21
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ı			Project:		
	DRAWN TO AS 1100		50mm HE	BEL POW	ERPANEL
	* —		HORIZON	ITAL FAC.	ADE
	(()) 	EA EACADE CLIDING DOOD DETAIL C	Drawing Nu	mber	
	\$ -	50mm FACADE SLIDING DOOR DETAILS	PP50-H-	-F-012	
	DIMENSIONS IN MILLIMETRES	·	Sheet		Revision
	DO NOT SCALE		10		F
			12	of	L L

50mm HIGH RISE FACADE DETAILS - CONTROL JOINT AT DOOR OPENINGS



CONTROL JOINTS AT DOOR OPENINGS

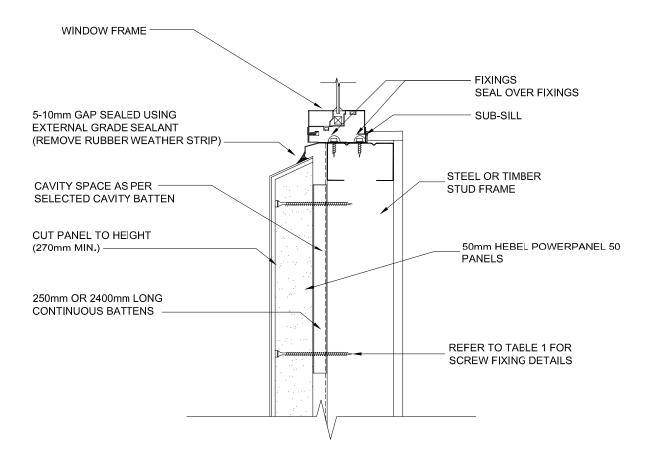
SCALE: 1:20

NOTE:

- 1. VERTICAL CONTROL JOINTS ARE REQUIRED AT MAXIMUM 6m CENTRES.
- 2. VERTICAL CONTROL JOINTS ARE REQUIRED AT ABOVE AND BELOW ALL DOORS.
- 3. VERTICAL CONTROL JOINTS ARE REQUIRED ABOVE AND BELOW WINDOW OPENINGS WHEN CONTROL JOINT SPACING EXCEEDS 6m.
- 4. VERTICAL CONTROL JOINTS ARE REQUIRED AT EXTERNAL AND INTERNAL CORNERS.

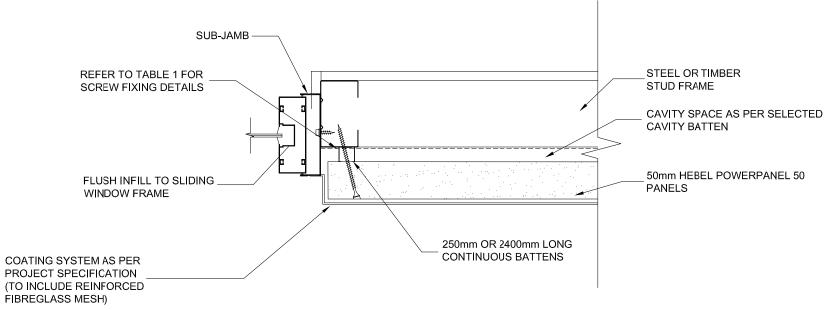
Scale	LIEDEL	Drawn	Da	te
AS SHOWN	CSR HEBEL	H.T	22.0	03.21
A3 3110 W IV	NORTH RYDE - NSW - Australia	Checked	Da	te
Tolerances		N.G	22.0	03.21
Totel alices	This document is confidential. This document and its copyright are the property of or licensed to CSR Limited.	Approved	Da	te
AS SHOWN	and must not be used, disclosed or reproduced in any form whatsoever except as authorised in writing .This document must be returned with quotation and/or on completion of the project as applicable.	N.G	22.0	03.21
		Project:		
DRAWN TO AS 1100		50mm HE	EBEL POW	ERPANEL
* —		HORIZON	NTAL FAC.	A D E
() 		Drawing Number		
	50mm FACADE DOOR OPENING	PP50-H-F-013		
DIMENSIONS IN MILLIMETRES		Sheet		Revision
DO NOT SCALE		12	of	E

50mm HIGH RISE FACADE DETAILS - WINDOW JUNCTION DETAILS



WINDOW SILL - SECTION

SCALE: 1.5

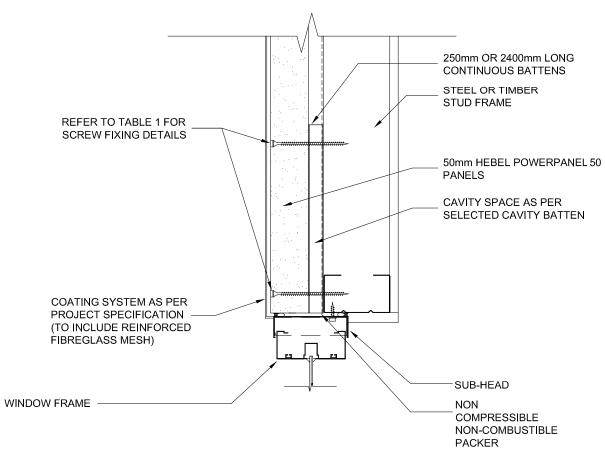


WINDOW JAMB - SECTION

SCALE: 1:5

NOTE:

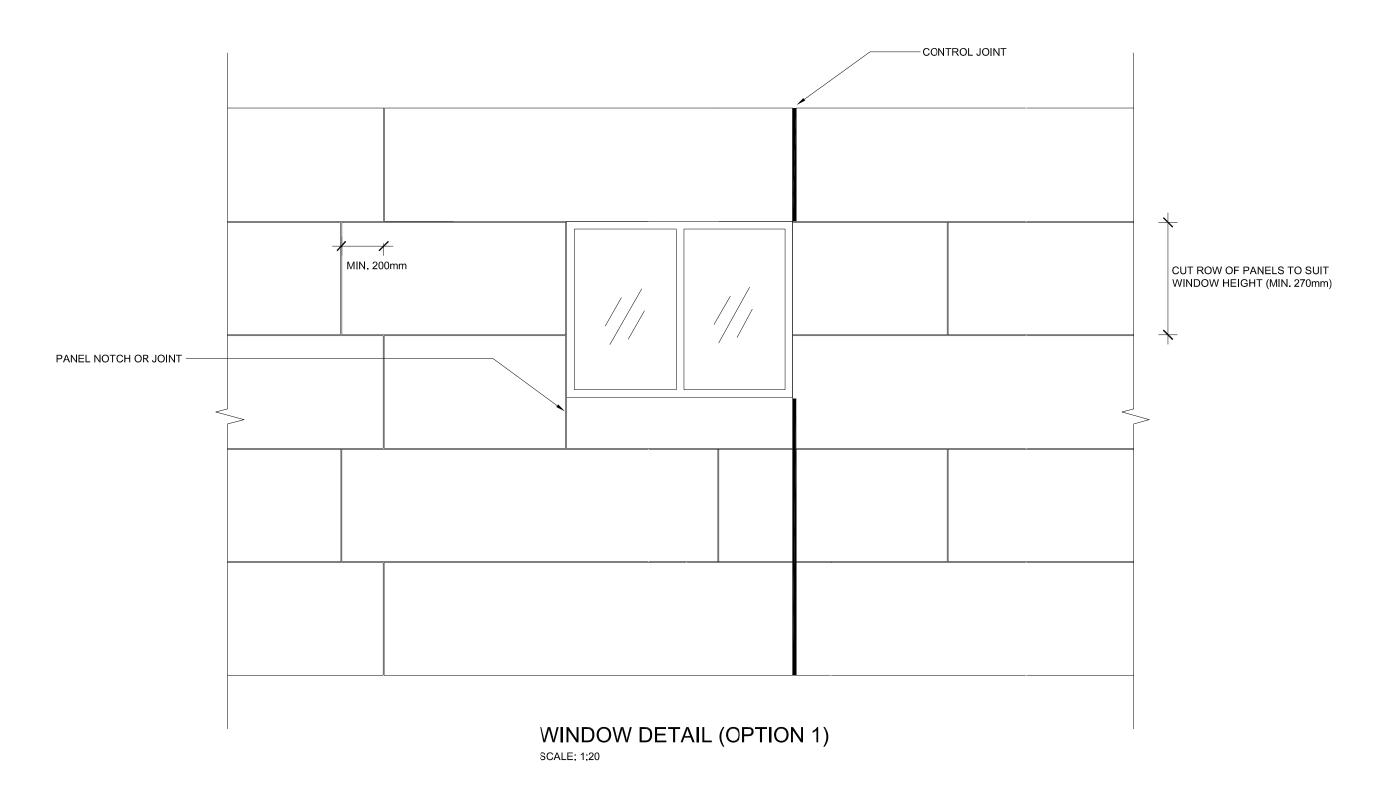
- 1. WALL WRAP MUST BE TAPED BACK TO THE STUD FRAME ALONG OPENING PERIMETER
- 2. WINDOWS TO COMPLY WITH AS 2047 : 2014.



WINDOW HEAD - SECTION

Scale	HEBEL	Drawn	Dat	te
AS SHOWN	CCD	E.T	22.0	3.21
AS SHOWN	NORTH RYDE - NSW - Australia	Checked	Dat	te
Tilliania		N.G	22.0	3.21
Tolerances	This document is confidential. This document and its copyright are the property of or licensed to CSR Limited.	Approved	Dat	te
AS SHOWN	and must not be used, disclosed or reproduced in any form whatsoever except as authorised in writing .This document must be returned with quotation and/or on completion of the project as applicable.	N.G	22.0	3.21
		Project:		
DRAWN TO AS 1100		50mm HE	BEL POW	ERPANEL
+ —		HORIZONTAL F		ADE
	5. 5.6.195	Drawing Nu	mber	
	50mm FACADE WINDOW FRAME DETAILS	PP50-H-F-014		
DIMENSIONS IN MILLIMETRES		CI I		
DO NOT SCALE		Sheet		Revision
		1 1/.		

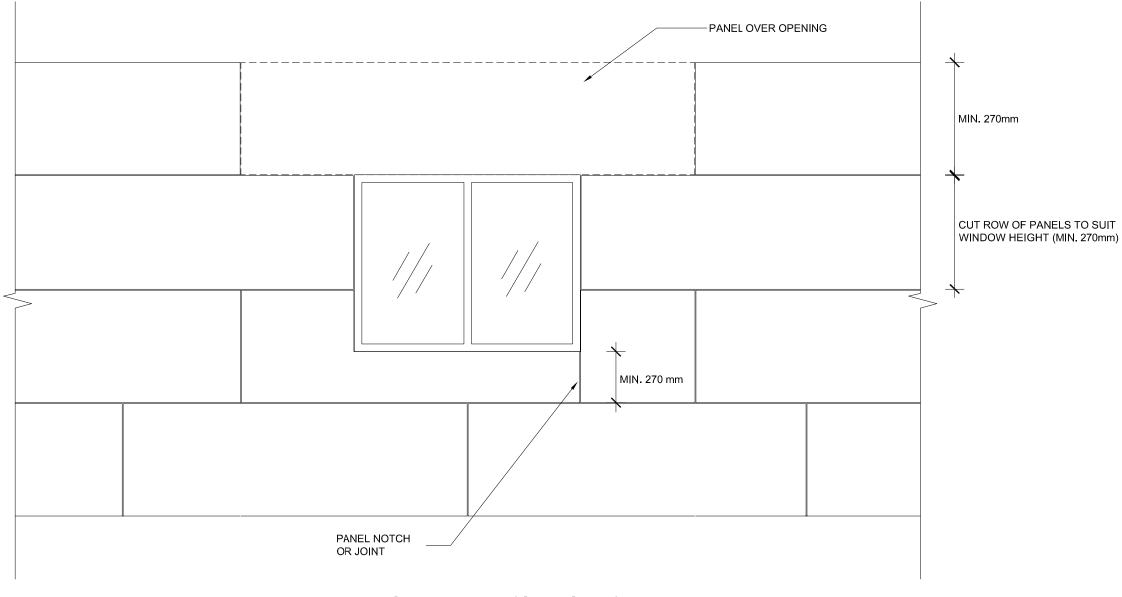
50mm HIGH RISE FACADE DETAILS - WINDOW DETAIL (OPTION 1)



- 1. VERTICAL CONTROL JOINTS ARE REQUIRED AT MAXIMUM 6m CENTRES.
- 2. VERTICAL CONTROL JOINTS ARE REQUIRED AT ABOVE AND BELOW ALL DOORS.
- 3. VERTICAL CONTROL JOINTS ARE REQUIRED ABOVE AND BELOW WINDOW OPENINGS WHEN CONTROL JOINT SPACING EXCEEDS 6m.
- 4. VERTICAL CONTROL JOINTS ARE REQUIRED AT EXTERNAL AND INTERNAL CORNERS.
- 5. WINDOWS TO COMPLY TO AS 2047: 2014.

Scale	HEDEL	Drawn	Da	ite
AS SHOWN	HEBEL NORTH DVDS NSV A LAND	H.T	22.0	03.21
AS SHOWN	NORTH RYDE - NSW - Australia	Checked	Da	ite
Tolerances		N.G	22.0	03.21
Toterances	This document is confidential. This document and its copyright are the property of or licensed to CSR Limited.	Approved	Da	ite
AS SHOWN	and must not be used, disclosed or reproduced in any form whatsoever except as authorised in writing .This document must be returned with quotation and/or on completion of the project as applicable.	N.G	22.0	03.21
		Project:		
DRAWN TO AS 1100		50mm HEBEL POWERPANI		
* —		H0RIZ0N	NTAL FAC	ADE
	FA FACADE VINDOV A ODENING A	Drawing Number		
	50mm FACADE WINDOW OPENING -1	PP50-H-F-015		
DIMENSIONS IN MILLIMETRES		Sheet		Revision
DO NOT SCALE		15	of	E

50mm HIGH RISE FACADE DETAILS - WINDOW DETAIL (OPTION 2)



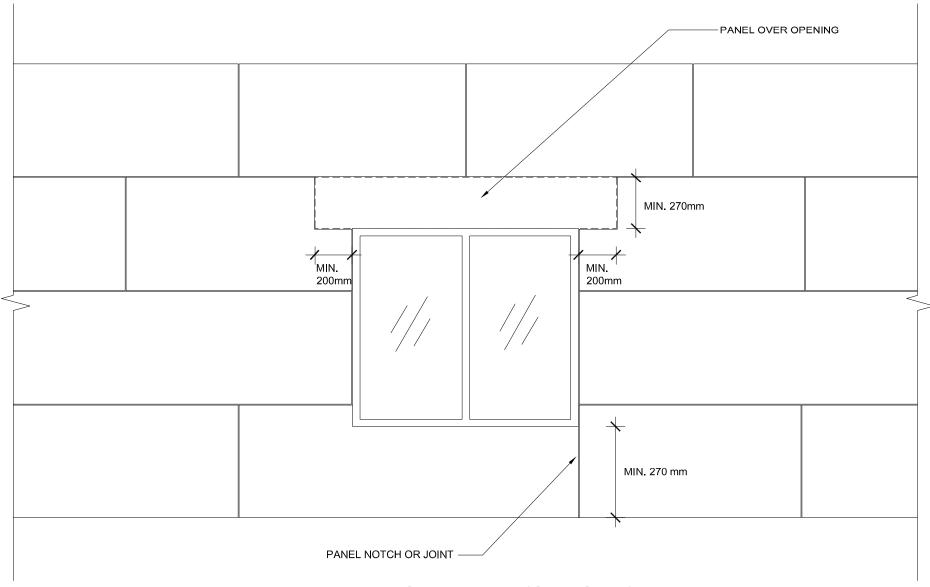
WINDOW DETAIL (OPTION 2)

SCALE: 1:20

- 1. VERTICAL CONTROL JOINTS ARE REQUIRED AT MAXIMUM 6m CENTRES.
- 2. VERTICAL CONTROL JOINTS ARE REQUIRED AT ABOVE AND BELOW ALL DOORS.
- 3. VERTICAL CONTROL JOINTS ARE REQUIRED ABOVE AND BELOW WINDOW OPENINGS WHEN EXCEEDS 6m.
- I. VERTICAL CONTROL JOINTS ARE REQUIRED AT EXTERNAL AND INTERNAL CORNERS.
- VERTICAL CONTROL JOINTS ARE REQUIR
 WINDOW TO COMPLY TO AS 2047: 2014.

Scale	LIEDEI	Drawn	Da	te
AS SHOWN	HEBEL NORTH DVDF NSV A LOUIS	H.T	22.0	3.21
AS SHOWN	NORTH RYDE – NSW – Australia	Checked	Da	te
Tolerances		N.G	22.0	3.21
I ofer ancez	This document is confidential. This document and its copyright are the property of or licensed to CSR Limited.	Approved	Da	te
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		Project:		
DRAWN TO AS 1100		50mm HE	BEL POW	ERPANEL
4 —		H0RIZ0N	ITAL FAC	ADE
() 		Drawing Nu	mber	
	50mm FACADE WINDOW OPENING - 2	PP50-H-F-016		
DIMENSIONS IN MILL IMETRES		Sheet		Revision
DO NOT SCALE		1.6	of	F
			٠,	- 1

50mm HIGH RISE FACADE DETAILS - WINDOW DETAIL (OPTION 3)



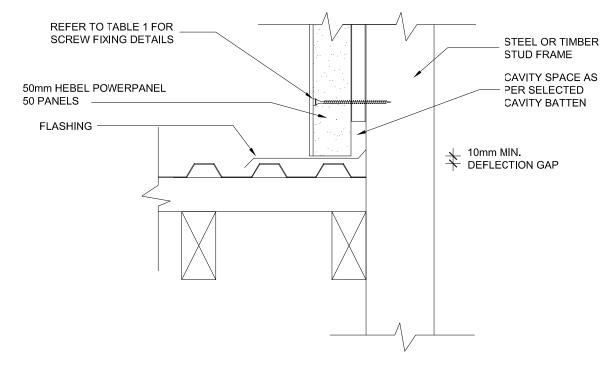
WINDOW DETAIL (OPTION 3)

SCALE: 1:20

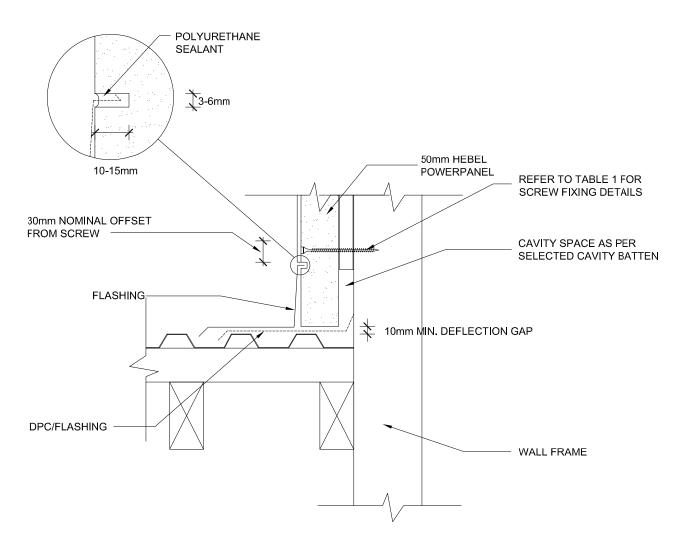
- 1. VERTICAL CONTROL JOINTS ARE REQUIRED AT MAXIMUM 6m CENTRES.
- 2. VERTICAL CONTROL JOINTS ARE REQUIRED AT ABOVE AND BELOW ALL DOORS.
- 3. VERTICAL CONTROL JOINTS ARE REQUIRED ABOVE AND BELOW WINDOW OPENINGS WHEN EXCEEDS 6m.
- 4. VERTICAL CONTROL JOINTS ARE REQUIRED AT EXTERNAL AND INTERNAL CORNERS.
- 5. WINDOWS TO COMPLY TO AS 2047: 2014.

Scale	HEDEI	Drawn	Da	ite
AS SHOWN	HEBEL NORTH DVD5 NSV A LOUIS	H.T	22.0	03.21
AS SHOWN	NORTH RYDE - NSW - Australia	Checked	Da	ite
Tolerances		N.G	22.0	03.21
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		Project:		
DRAWN TO AS 1100		50mm HE	EBEL POW	ERPANE
* —		HORIZONTAL FACADE		
(()) 	EACARE LUNDOL CORENING 3	Drawing Number		
	50mm FACADE WINDOW OPENING - 3	PP50-H-F-017		
DIMENSIONS IN MILLIMETRES		Sheet		Revision
DO NOT SCALE		17	of	E

50mm HIGH RISE FACADE DETAILS - WALL TO ROOF JUNCTIONS



ROOF TO WALL JUNCTION DETAIL - OPTION 1
SCALE 1:5



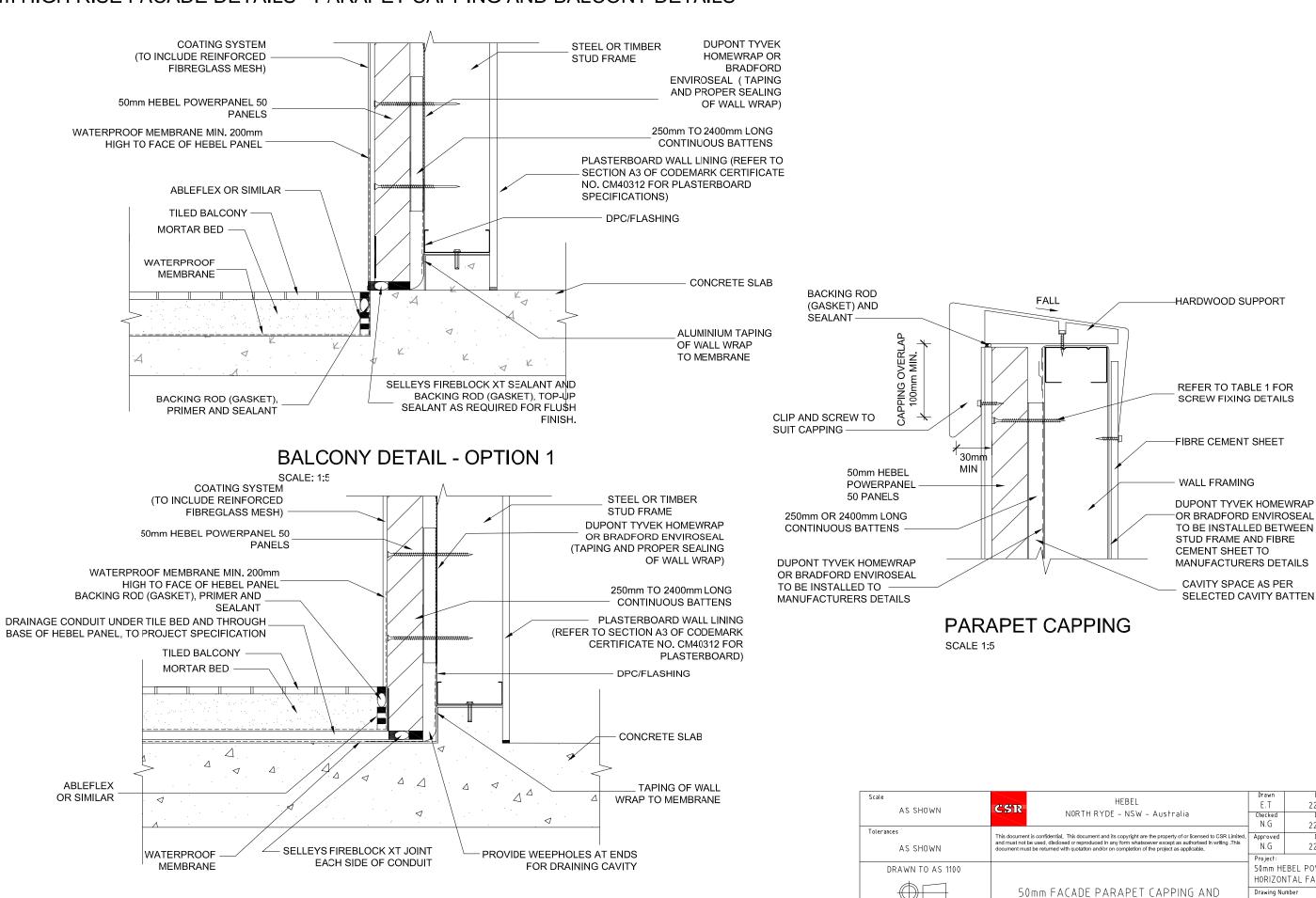
ROOF TO WALL JUNCTION DETAIL - OPTION 2

Scale	LIEDEL	Drawn	Da	ite
AS SHOWN	CSR HEBEL	E.T	22.0	03.21
AS SHOWN	NORTH RYDE - NSW - Australia	Checked	Da	ite
Tolerances		N.G	22.0	03.21
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AS SHOWN	and must not be used, disclosed or reproduced in any form whatsoever except as authorised in writing .This document must be returned with quotation and/or on completion of the project as applicable.	N.G	22.0	03.21
		Project:		
DRAWN TO AS 1100		50mm H	EBEL POW	ERPANEL
4 —		HORIZON	NTAL FAC	ADE
l () 	EACADE LIALL TO DOOF HINGTIONS	Drawing Nu	umber	
	50mm FACADE WALL TO ROOF JUNCTIONS	PP50-H	-F-018	
DIMENSIONS IN MILLIMETRES		Sheet		Revision
DO NOT SCALE		10	of	E

50mm HIGH RISE FACADE DETAILS - PARAPET CAPPING AND BALCONY DETAILS

BALCONY DETAIL - OPTION 2

SCALE: 1:5



E.T

Checked N.G

N.G

Drawing Number PP50-H-F-019

19

BALCONY DETAILS

DIMENSIONS IN MILLIMETRES DO NOT SCALE

22.03.21

22.03.21

22.03.21

50mm HEBEL POWERPANEL

HORIZONTAL FACADE