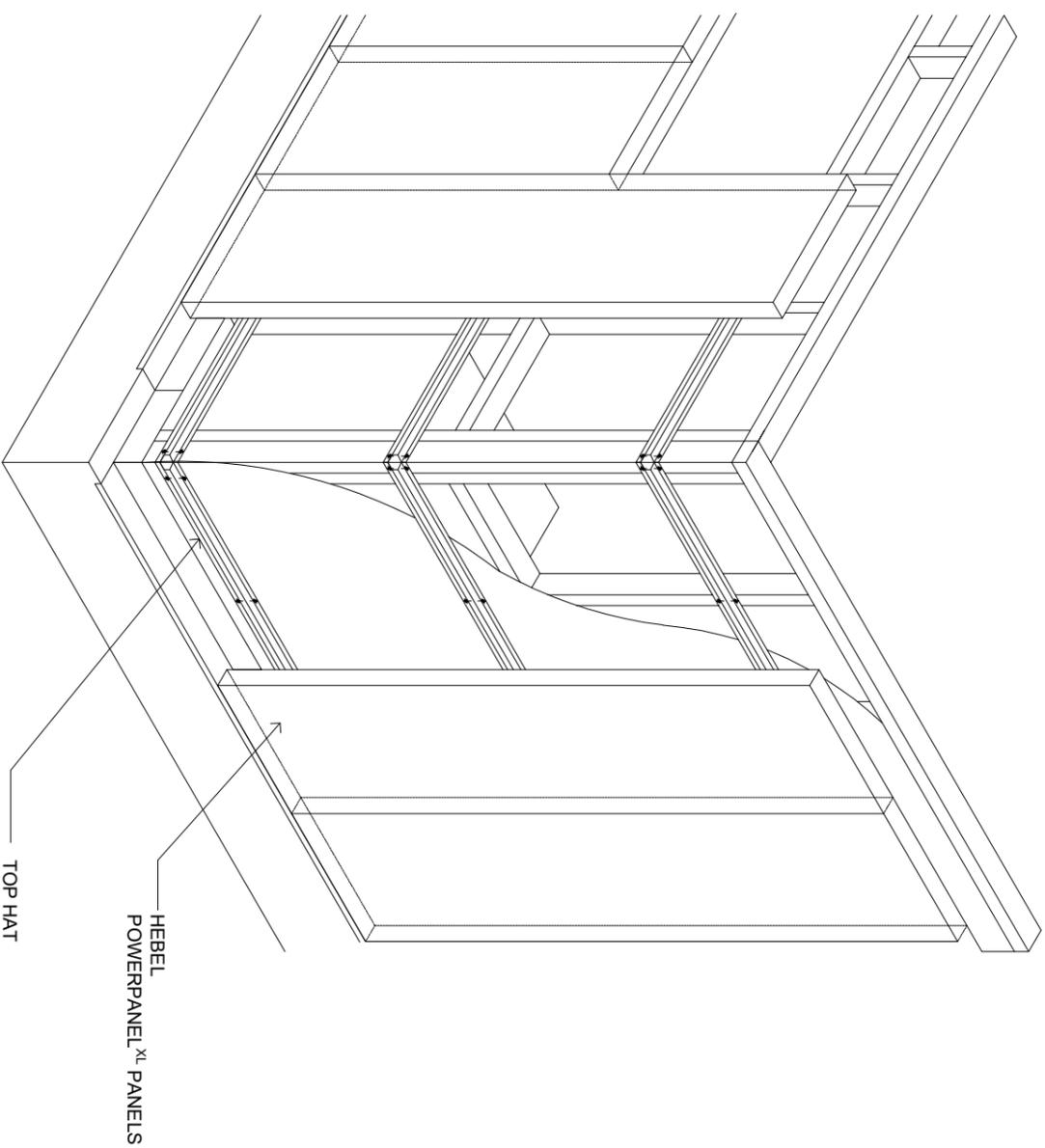
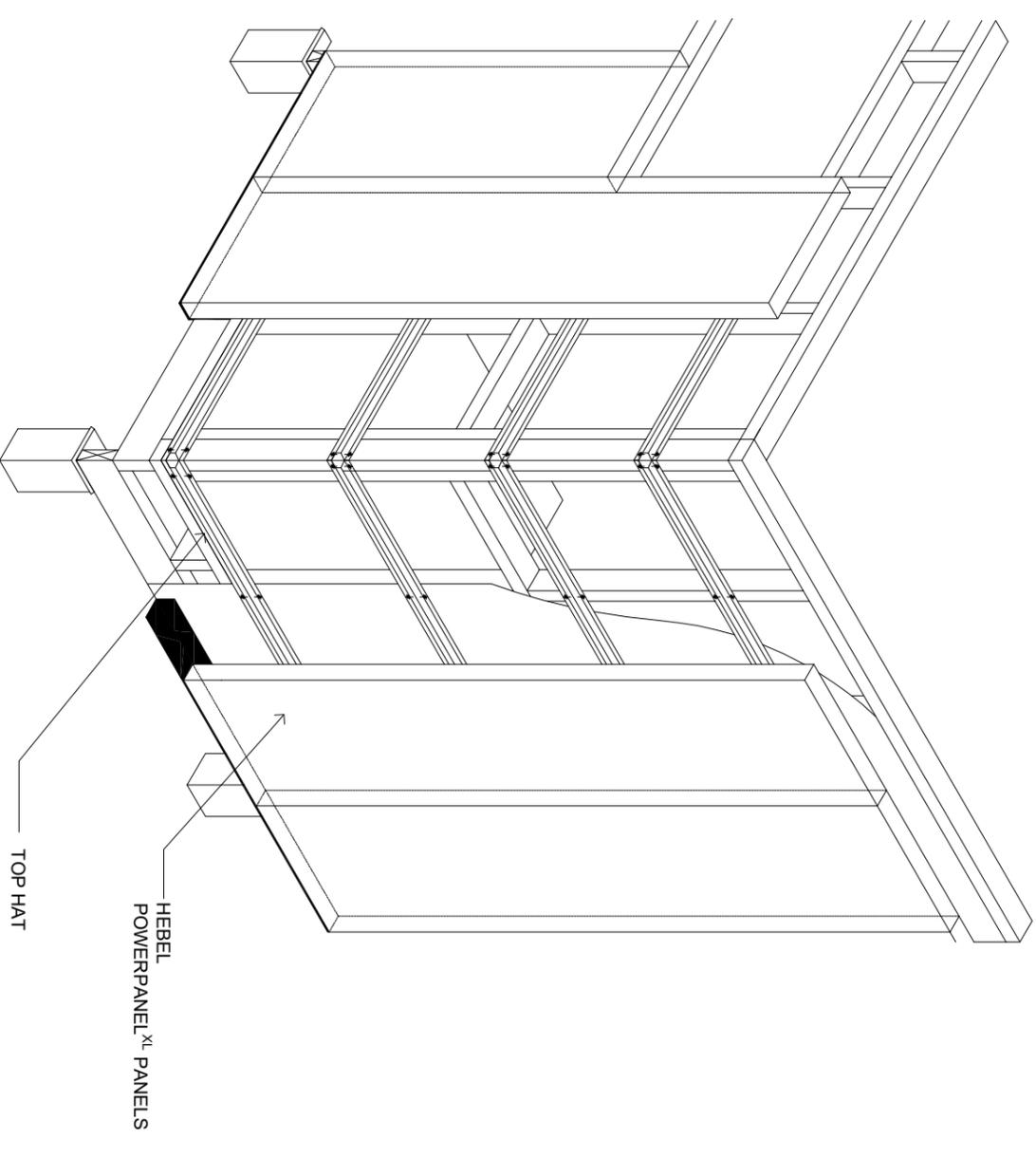


# SINGLE STOREY CONSTRUCTION DETAILS INSTALLING HEBEL POWERPANEL<sup>XL</sup>



**SINGLE STOREY CONSTRUCTION - ISOMETRIC VIEW DETAIL**  
**PANEL SUPPORTED AT BASE**  
NTS

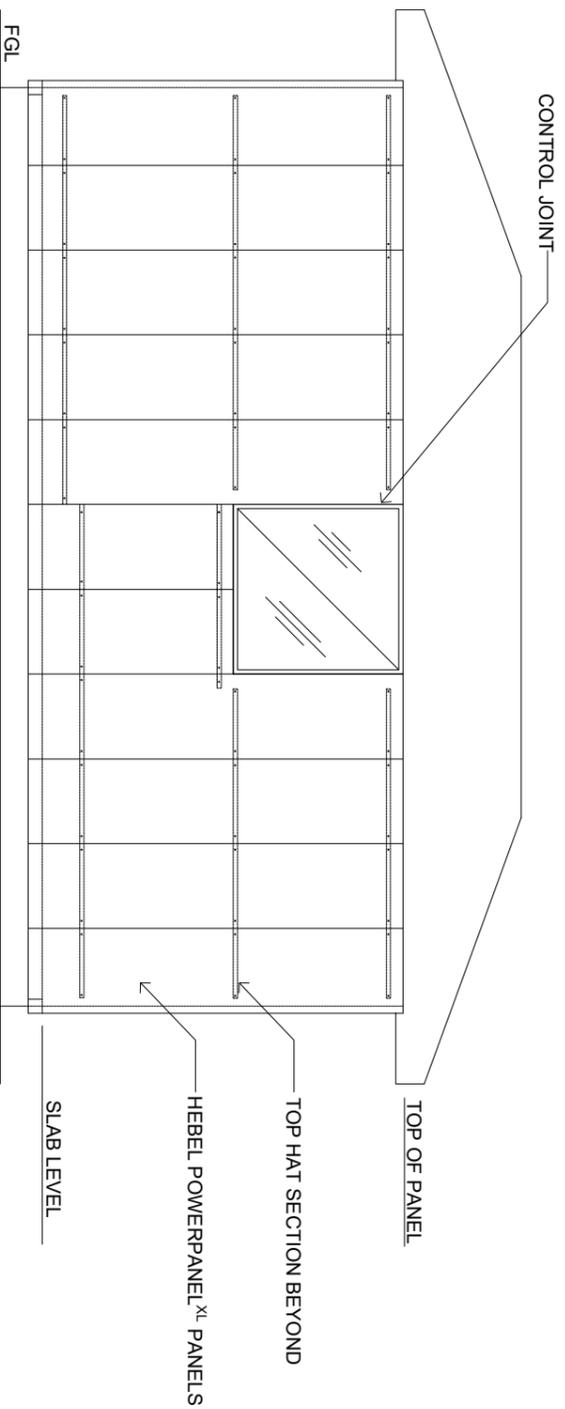


**SINGLE STOREY CONSTRUCTION - ISOMETRIC VIEW DETAIL**  
**PANEL SUSPENDED**  
NTS

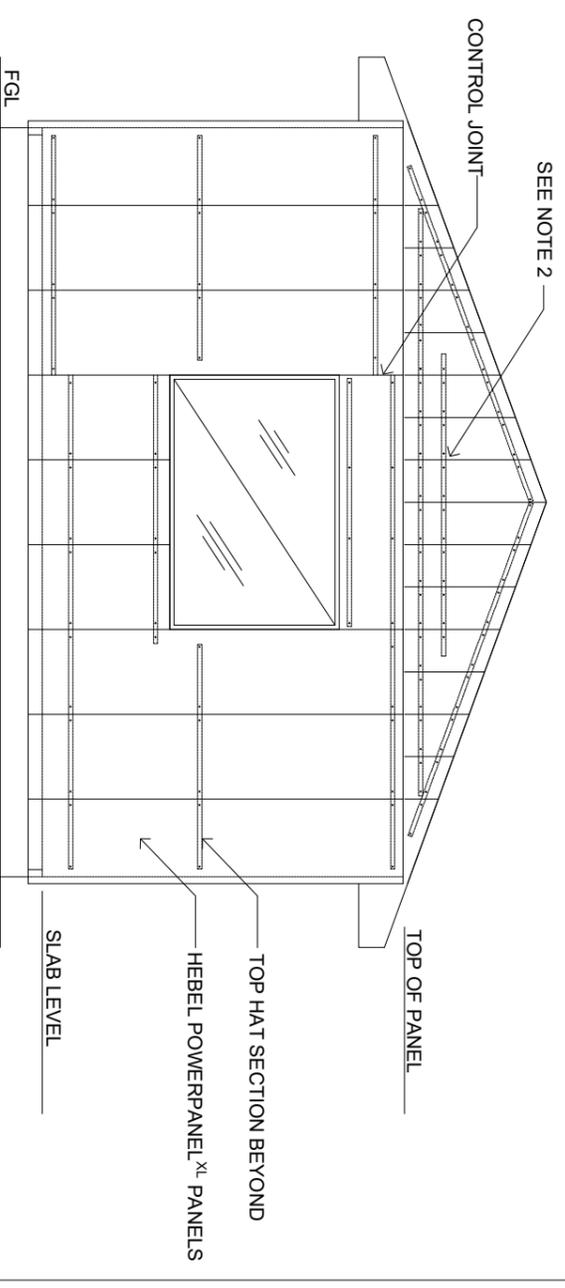
- NOTE**
1. THIS DETAIL IS NOT CONSIDERED TO ACHIEVE A FIRE RATING LEVEL.
  2. THE LIGHT GAUGE STEEL ANGLE IS FOR THE PURPOSE OF CLOSING THE CAVITY AT THE BASE OF THE WALL.

 <b>CSR BUILDING PRODUCTS LTD</b> HEDDERLEY DRIVE & 98 BELMONT ROAD, MORTDALE VIC 3113 LOCKED BAG 1345, NORTH RYDE NSW 1570 A.B.N. 55 008 631 356 Ph: 1300 369 448 www.hebelaustralia.com.au	 <b>The better way to build</b> CSR Building Products Limited 1111 Melbourne Ford Road Werribee VIC 3045 Ph: 03 9483 3300 Fax: 03 9483 3300	FIGURE	TITLE	DRAWN	DATE	
		3.6.1.1 - 3.6.1.2	SINGLE STOREY CONSTRUCTION DETAILS	HT	08.05.19	
DESIGN CODE REFERENCE	SCALE	CHECK	REVISION			
HELT016APR19	NTS @ A3	ZK	D			
SHEET NO.	SHEET SIZE					
1 of 4	A3					

# SINGLE STOREY CONSTRUCTION DETAILS INSTALLING HEBEL POWERPANEL XL



**SINGLE STOREY CONSTRUCTION - HIP ROOF ELEVATION**  
SCALE: 1:50



**SINGLE STOREY CONSTRUCTION - GABLE END ELEVATION**  
SCALE 1:50

- NOTE**
1. NUMBER OF TOP HATS AND TOP HAT SPACING TO BE CONFIRMED BY THE BUILDING DESIGNER.
  2. ADDITIONAL TOP HATS MAY BE REQUIRED, FOR SUSPENDED PANELS. REFER TO TABLE 1.2.4 OF HEBEL POWERPANEL XL EXTERNAL WALLS DESIGN AND INSTALLATION GUIDE.
  3. THESE DETAILS HAVE NOT SHOWN THE SET-OUT OF TOP HATS TO ACCOMMODATE CONTROL JOINT LOCATIONS, THIS IS THE RESPONSIBILITY OF THE BUILDING DESIGNER.



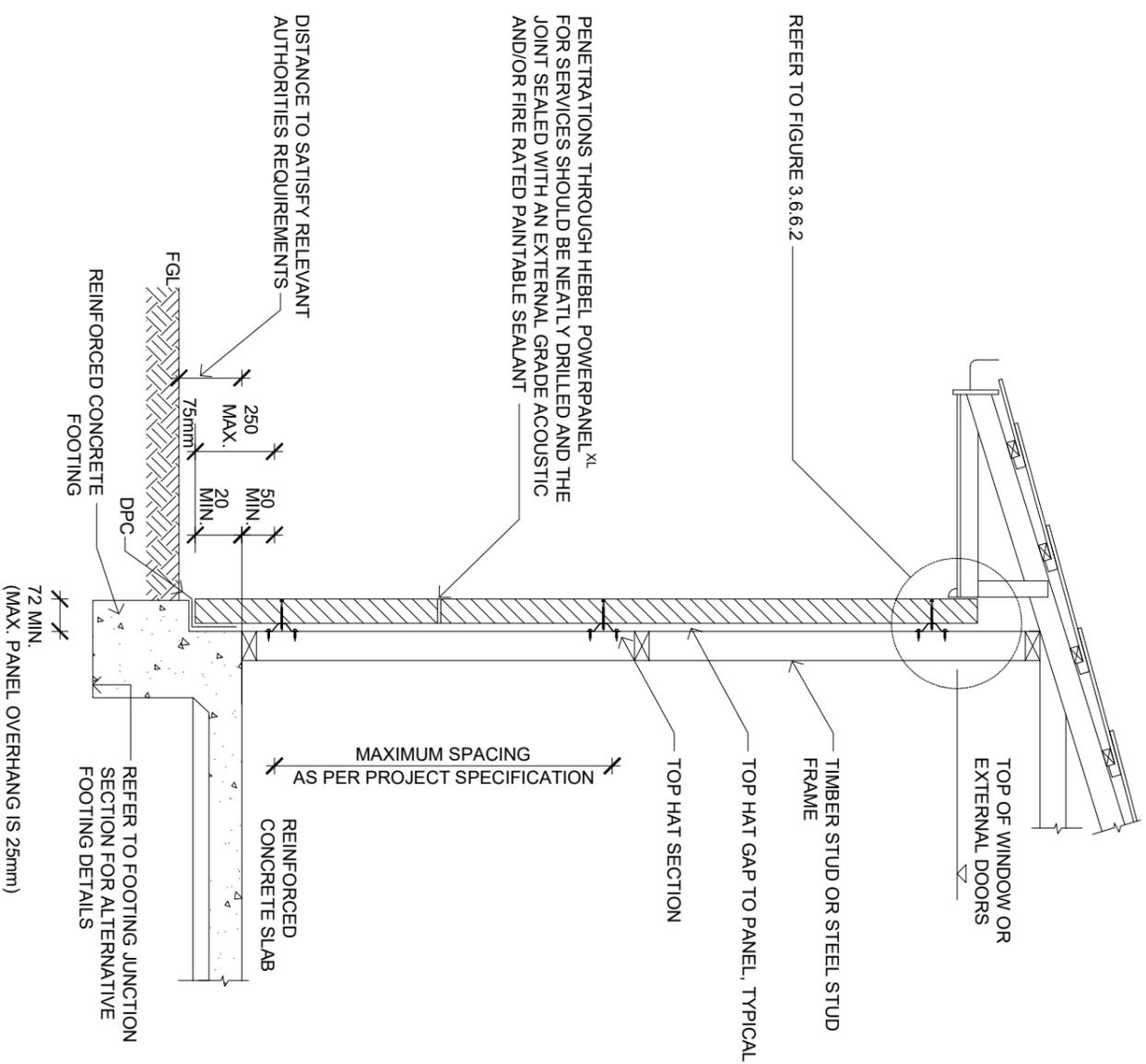
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 LOCKED BAG 1345, NORTH RIVER NSW 2113  
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FIGURE	3.6.1.3 - 3.6.1.4	TITLE	SINGLE STOREY CONSTRUCTION DETAILS		
DESIGN GUIDE REFERENCE	HELT016APRIL19	SCALE	NTS @ A3	DRAWN	HT
		SHEET SIZE	A3	CHECK	ZK
		SHEET NO.	2 of 4	DATE	08.05.19
				REVISION	D

# SINGLE STOREY CONSTRUCTION DETAILS INSTALLING HEBEL POWERPANEL XL



**SINGLE STOREY CONSTRUCTION - TYPICAL SECTION DETAIL**  
SCALE 1:20

- NOTE
1. THIS SLAB EDGE DETAIL DOES NOT COMPLY WITH THE TERMITE VISIBLE INSPECTION ZONE REQUIREMENTS. ALTERNATE TERMITE MANAGEMENT SYSTEM MUST BE USED WHEN SELECTING THIS DETAIL. IT IS THE RESPONSIBILITY OF THE BUILDER TO PROVIDE A SUITABLE PHYSICAL OR CHEMICAL BARRIER IN ACCORDANCE WITH AS 3660.
  2. HEBEL POWERPANEL XL PANELS ARE SUPPORTED AT THE BASE ON CONCRETE SLAB EDGE.



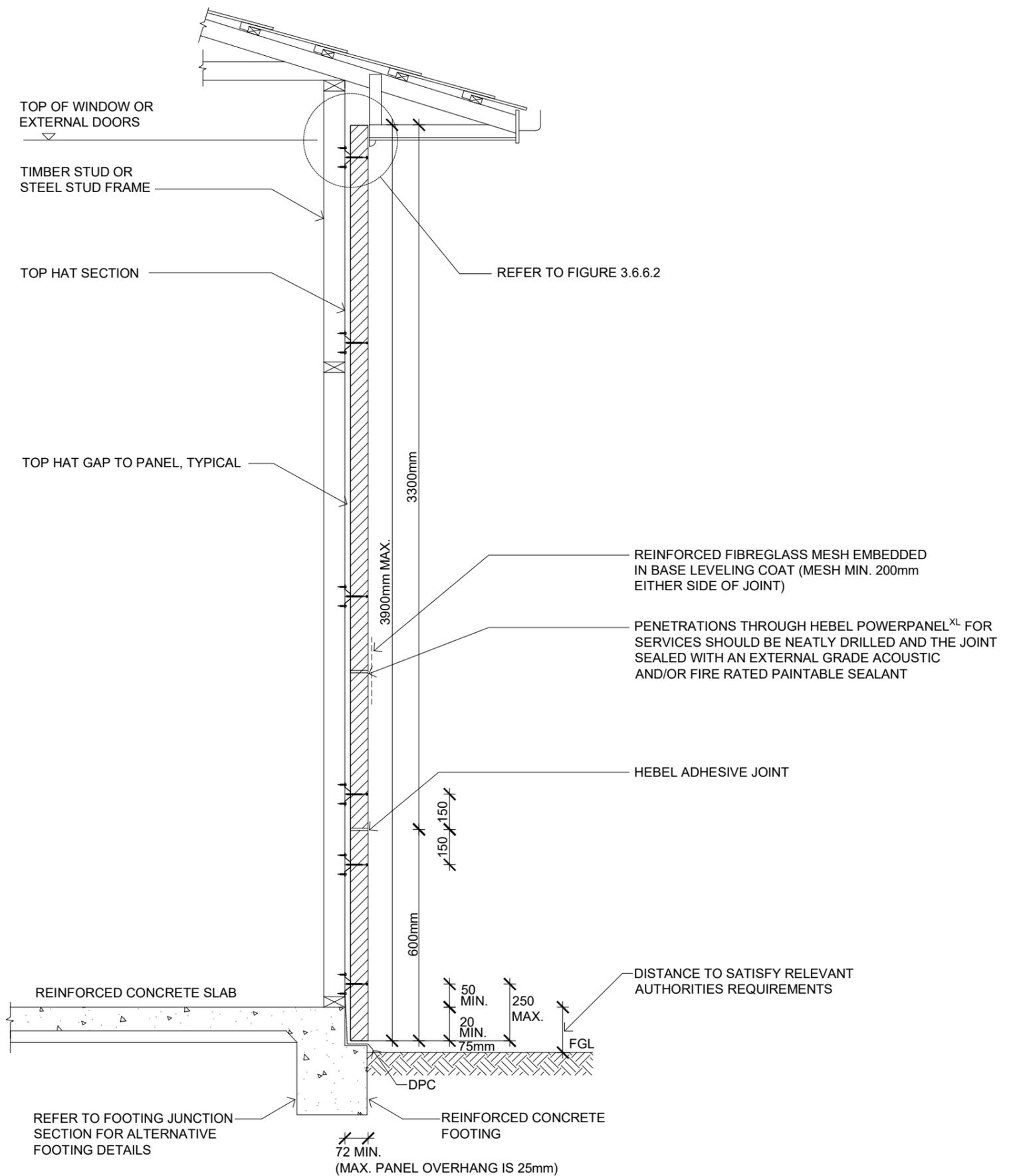
CSR BUILDING PRODUCTS LTD  
HEBEL BUILDING PRODUCTS  
1111 WILMINGTON ROAD  
MURRESBURG, VIC 3464  
A.B.N. 55 008 631 356 Ph: 1300 969 448  
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MURRESBURG, VIC 3464  
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FIGURE	TITLE	SHEET SIZE	DRAWN	DATE
3.6.1.5	SINGLE STOREY CONSTRUCTION DETAILS	A3	HT	08.05.19
DESIGN GUIDE REFERENCE	SCALE	SHEET NO.	CHECK	REVISION
HEL11016A/P19	1:20 @ A3	3 of 4	ZK	D

# SINGLE STOREY CONSTRUCTION DETAILS INSTALLING HEBEL POWERPANEL<sup>XL</sup>



## SINGLE STOREY CONSTRUCTION - HIGH WALL SECTION DETAIL - (3900mm MAX)

SCALE 1:20

**NOTE**

1. THIS SLAB EDGE DETAIL DOES NOT COMPLY WITH THE TERMITE VISIBLE INSPECTION ZONE REQUIREMENTS. ALTERNATE TERMITE MANAGEMENT SYSTEM MUST BE USED WHEN SELECTING THIS DETAIL. IT IS THE RESPONSIBILITY OF THE BUILDER TO PROVIDE A SUITABLE PHYSICAL OR CHEMICAL BARRIER IN ACCORDANCE WITH AS 3660.
2. HEBEL POWERPANEL<sup>XL</sup> PANELS ARE SUPPORTED AT THE BASE ON CONCRETE SLAB EDGE.



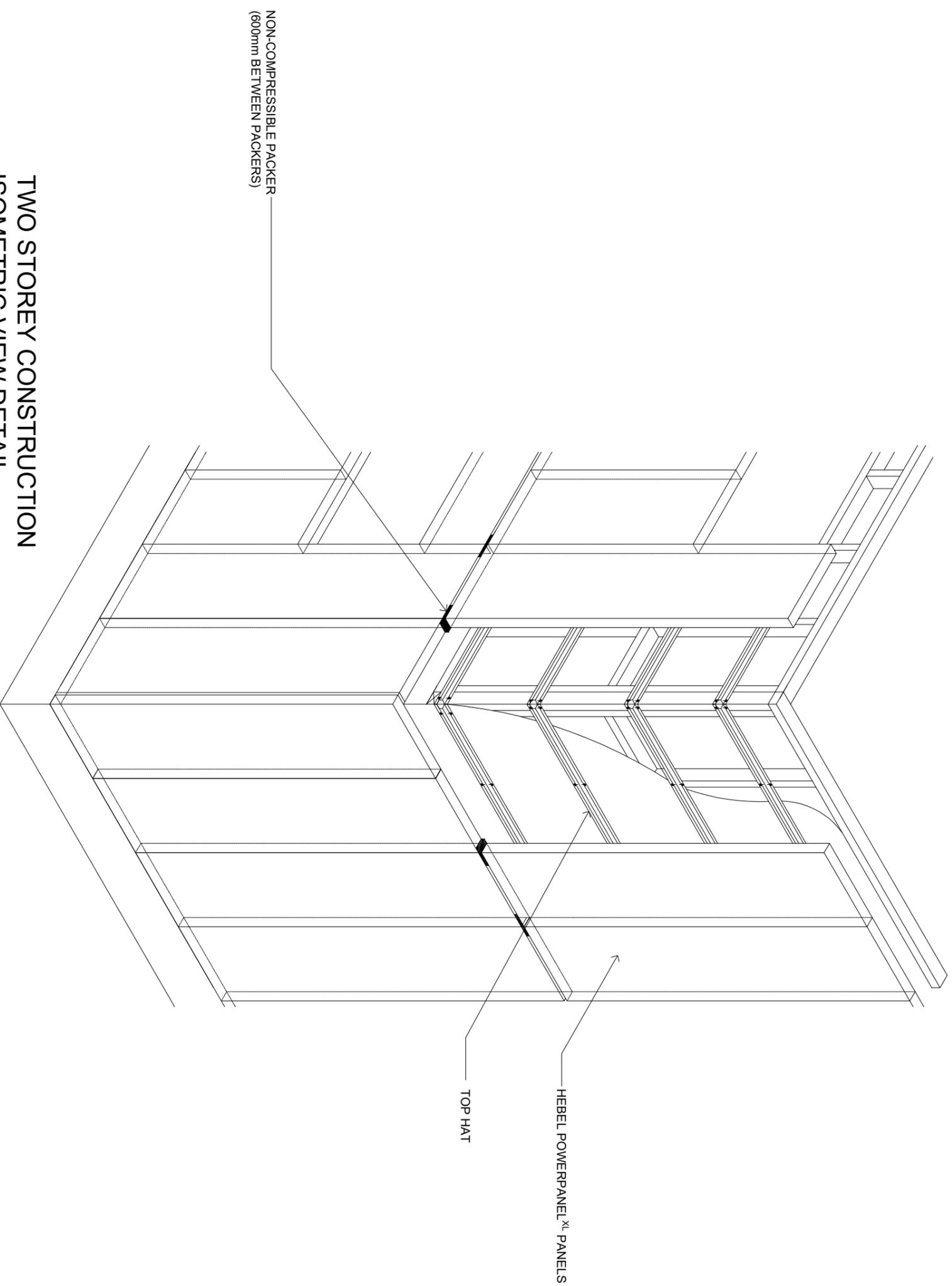
**CSR BUILDING PRODUCTS LTD**  
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LOCKED BAG 1345, NORTH RYDE BC NSW 1670  
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www.hebelaustralia.com.au



FIGURE 3.6.1.6  
DESIGN GUIDE REFERENCE  
HELIT016APRIL19

TITLE			
SINGLE STOREY CONSTRUCTION DETAILS			
SCALE	SHEET SIZE	DRAWN	DATE
1:20 @ A3	A3	HT	08.05.19
SHEET NO.		CHECK	REVISION
4 of 4		ZK	D

# TWO STOREY CONSTRUCTION DETAILS INSTALLING HEBEL POWERPANEL<sup>XL</sup>



## TWO STOREY CONSTRUCTION ISOMETRIC VIEW DETAIL NTS



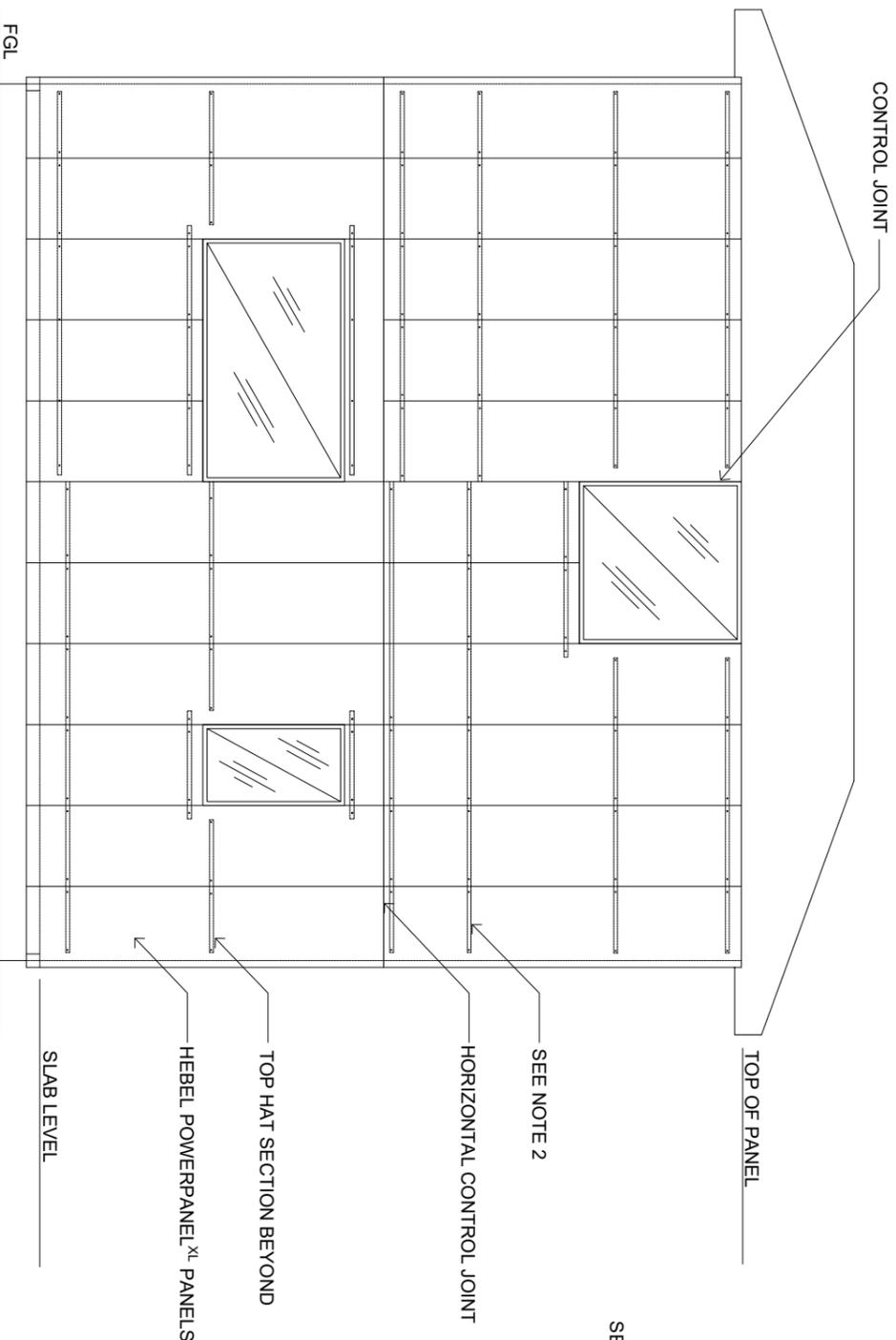
CSR BUILDING PRODUCTS LTD  
 HEDDER FARM 8/9 BELMERE ROAD  
 LOCKED BAG 1345 NORTH RIVER DC NSW 1970  
 A.B.N. 55 008 631 356 Ph: 1300 369 448  
 www.hebelaustralia.com.au



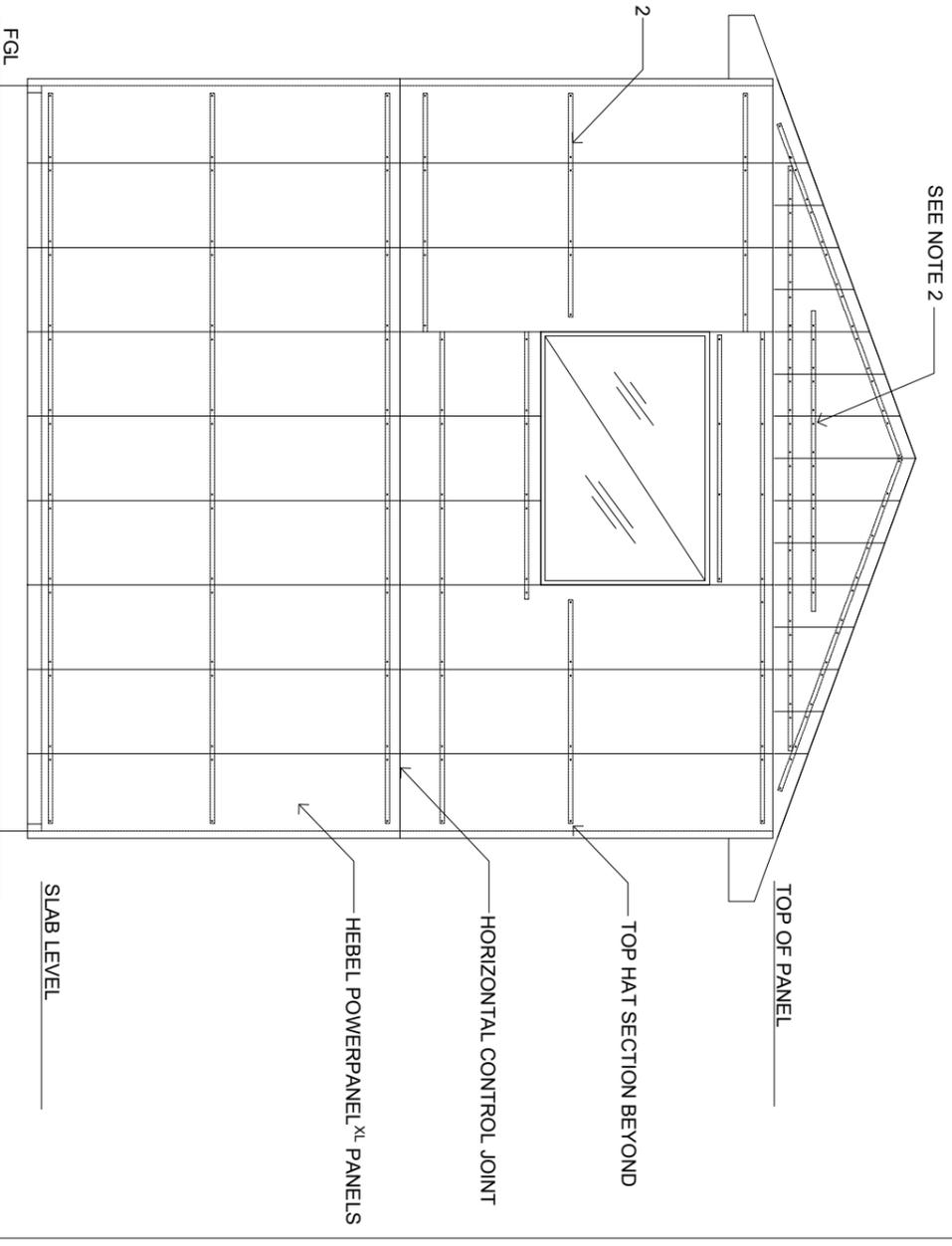
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 1-13 Melbourne Park Road  
 Werribee VIC 3040  
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FIGURE	TITLE	SHEET SIZE	DRAWN	DATE
3.6.2.1	TWO STOREY CONSTRUCTION DETAILS	A3	HT	08.05.19
DESIGN GUIDE REFERENCE	SCALE	SHEET NO.	CHECK	REVISION
HELT016APRIL19	NTS @ A3	1 of 4	ZK	D

# TWO STOREY CONSTRUCTION DETAILS INSTALLING HEBEL POWERPANEL<sup>XL</sup>



**TWO STOREY CONSTRUCTION - HIP ROOF ELEVATION**  
SCALE 1:50

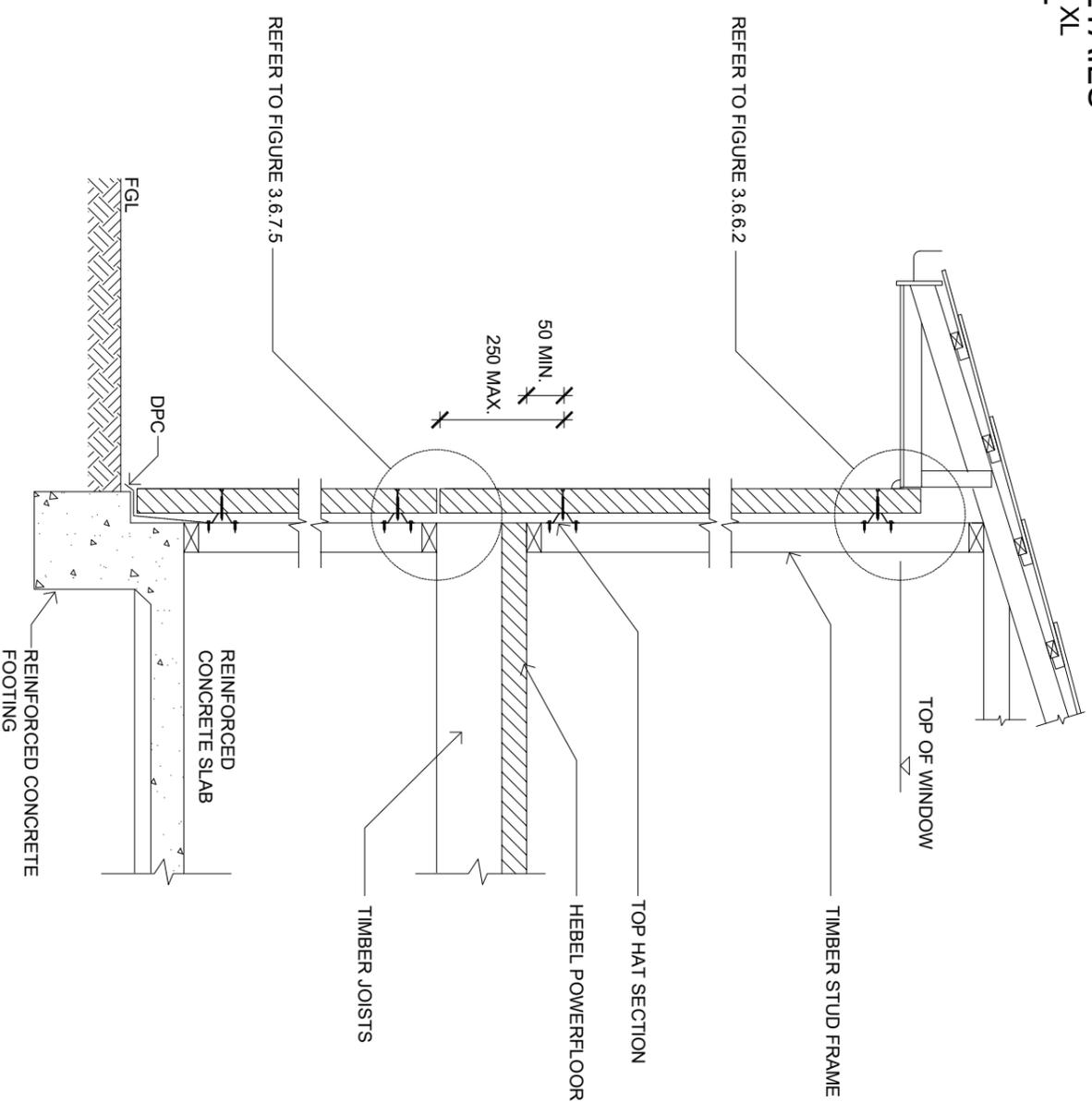


**TWO STOREY CONSTRUCTION - GABLE END ELEVATION**  
SCALE 1:50

- NOTE**
1. NUMBER OF TOP HATS AND TOP HAT SPACING TO BE CONFIRMED BY THE BUILDING DESIGNER.
  2. ADDITIONAL TOP HATS MAY BE REQUIRED, FOR SUSPENDED PANELS. REFER TO TABLE 1.2.4.
  3. THESE DETAILS HAVE NOT SHOWN THE SET-OUT OF TOP HATS TO ACCOMMODATE CONTROL JOINT LOCATIONS. THIS IS THE RESPONSIBILITY OF THE BUILDING DESIGNER.
  4. FRAME DESIGN OF LOWER FLOOR TO ALLOW FOR EXTRA LOAD ON WALL FROM UPPER POWERPANEL<sup>XL</sup> PANELS.
  5. MINIMUM FOUR HORIZONTAL TOP HATS REQUIRED FOR UPPER FLOOR POWERPANEL<sup>XL</sup> PANELS.

 <b>CSR BUILDING PRODUCTS LTD</b> HEBEL ROAD, 5/10 BELMONT INDUSTRIAL PARK, HUNTERSBURG NSW 2115 LOCKED BAG 1345, NORTH RYDE NSW 1570 A.B.N. 55 008 631 356 Ph: 1300 369 448 www.hebelaustralia.com.au	 <b>The better way to build</b> CSR Building Products is a member of the Hebel Group 11/11 Watermark Court, Sydney NSW 2000 Ph: 02 44833300 Fax: 02 44833300	FIGURE	TITLE	SHEET SIZE	DRAWN	DATE
		3.6.2.2 - 3.6.2.3	TWO STOREY CONSTRUCTION DETAILS	A3	HT	08.05.19
DESIGN GUIDE REFERENCE	SCALE	SHEET NO.	CHECK	REVISION		
HELT016APR19	1:50 @ A3	2 of 4	ZK	D		

# TWO STOREY CONSTRUCTION DETAILS INSTALLING HEBEL POWERPANEL<sup>XL</sup>

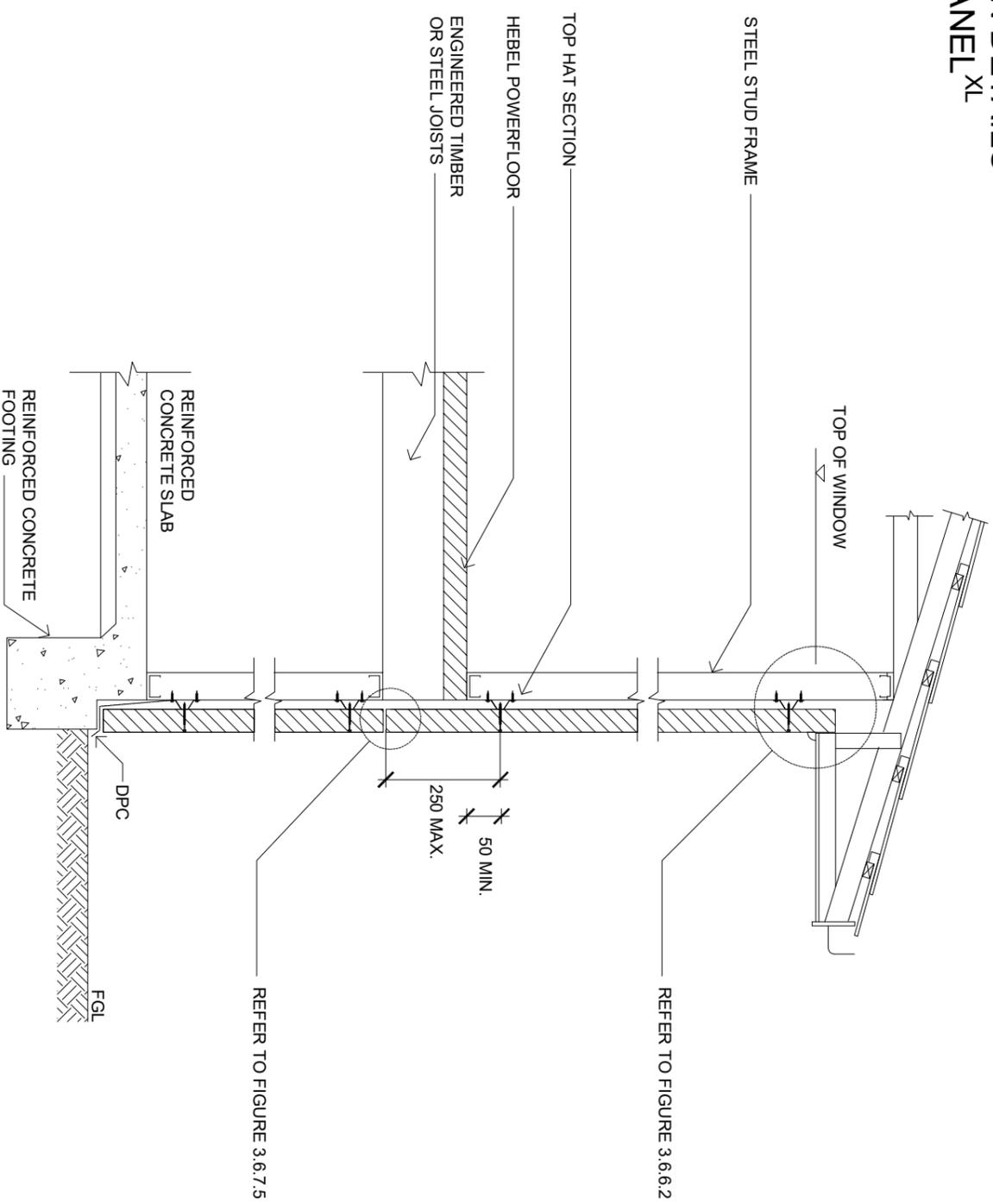


**TWO STOREY CONSTRUCTION  
TYPICAL TIMBER FRAME SECTION USING JOISTS WITH > 1% SHRINKAGE**  
SCALE 1:20

NOTE:  
1. LOWER STOREY HEBEL POWERPANEL<sup>XL</sup> PANELS ARE SUPPORTED AT THE BASE ON CONCRETE SLAB EDGE.

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		DESIGN GUIDE REFERENCE	HEL/1016A/PRI/19	SCALE	1:20 @ A3	SHEET SIZE	A3	DRAWN	HT	DATE	08.05.19
						SHEET NO.	3 of 4	CHECK	ZK	REVISION	D

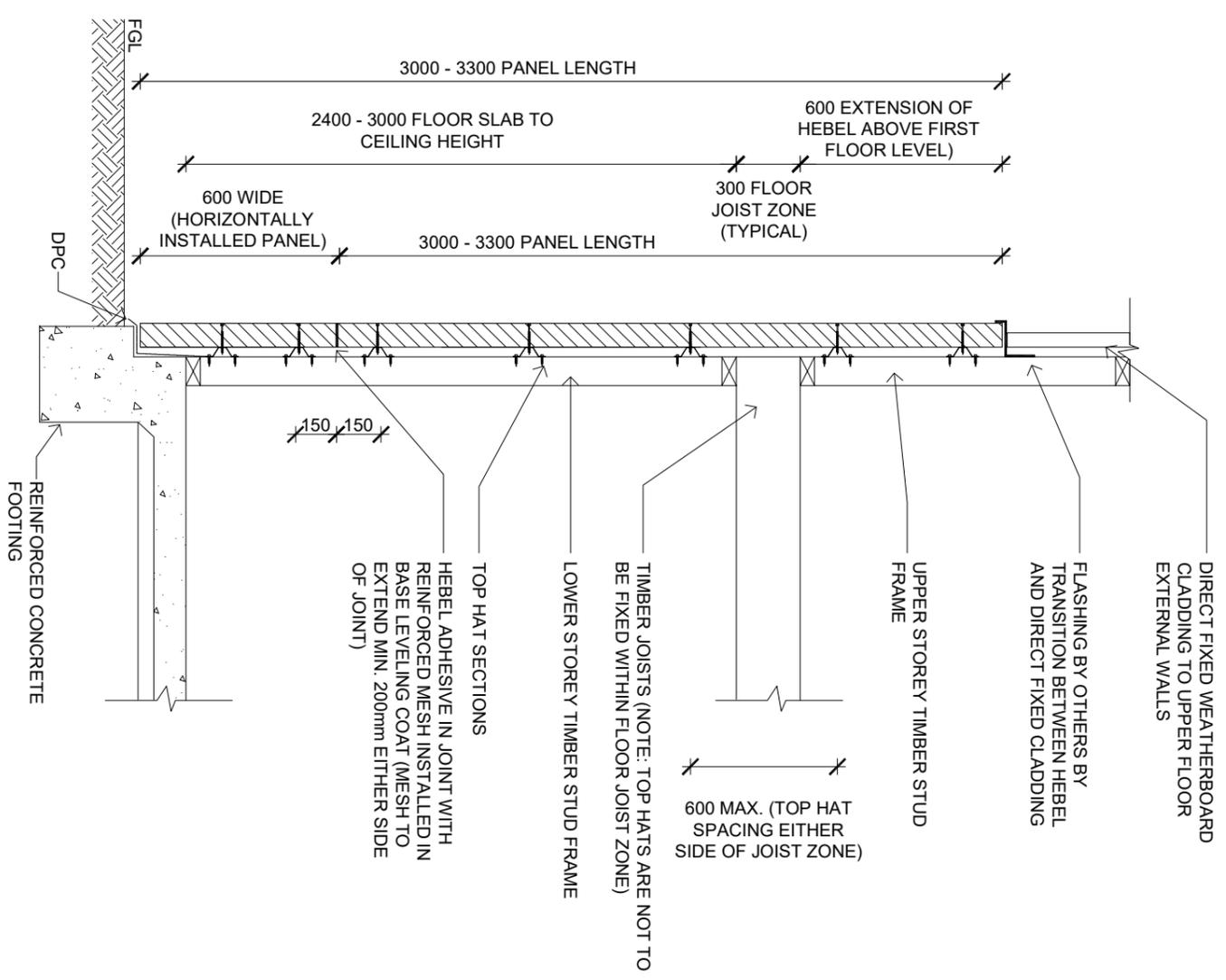
# TWO STOREY CONSTRUCTION DETAILS INSTALLING HEBEL POWERPANEL<sup>XL</sup>



## TWO STOREY CONSTRUCTION STEEL FRAME SECTION OR ENGINEERED JOISTS WITH $\leq 1\%$ SHRINKAGE SCALE 1:20

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FIGURE	3.6.2.5	TITLE	TWO STOREY CONSTRUCTION DETAILS
DESIGN GUIDE REFERENCE	HELT1016A/P19	SCALE	1:20 @ A3
SHEET SIZE	A3	DRAWN	HT
SHEET NO.	4 of 4	CHECK	ZK
DATE	08.05.19	REVISION	D

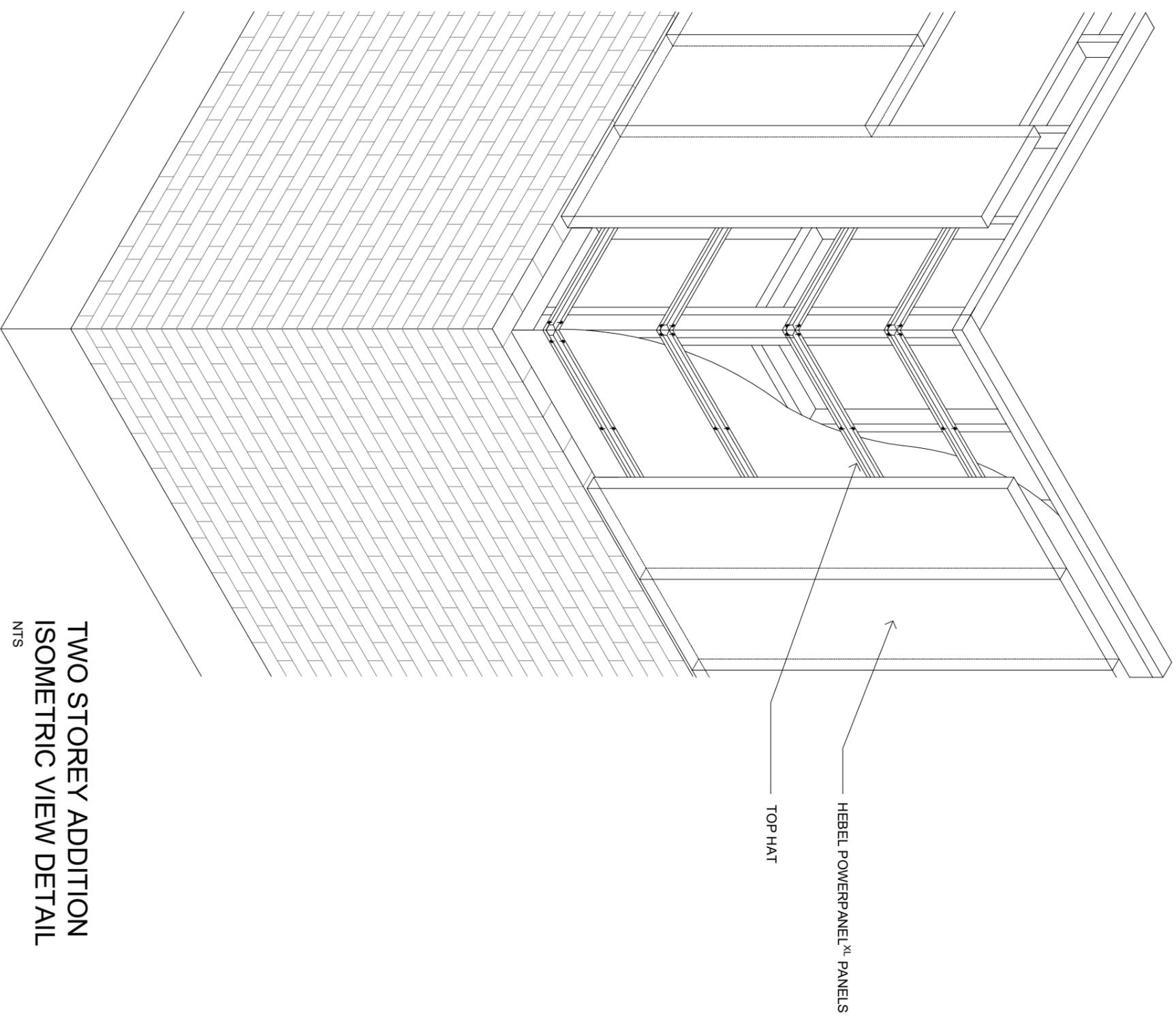
# HEBEL EXTERNAL WALL CLADDING DETAIL EXTENDING ABOVE FIRST FLOOR



## TWO STOREY CONSTRUCTION HEBEL WALL CLADDING EXTENDING ABOVE FIRST FLOOR SCALE 1:20

 <b>CSR BUILDING PRODUCTS LTD</b> HEBEL BUILDING PRODUCTS LOCKED BAG 1345 NORTH HAVESIDE MCNSW 1970 A.B.N. 55 008 631 356 Ph: 1300 969 448 www.hebelaustralia.com.au	 <b>The better way to build</b> CSR Building Products Limited A.B.N. 55 008 631 356	FIGURE	3.6.2.6	TITLE	TWO STOREY ADDITION DETAILS					
		DESIGN GUIDE REFERENCE	HEL11016A/P19.19	SCALE	NTS @ A3	SHEET SIZE	A3	DRAWN	ZK	DATE
					SHEET NO.	1 of 3	CHECK	ZK	REVISION	D

TWO STOREY ADDITION DETAILS  
INSTALLING HEBEL POWERPANEL<sup>XL</sup>



TWO STOREY ADDITION  
ISOMETRIC VIEW DETAIL  
NTS



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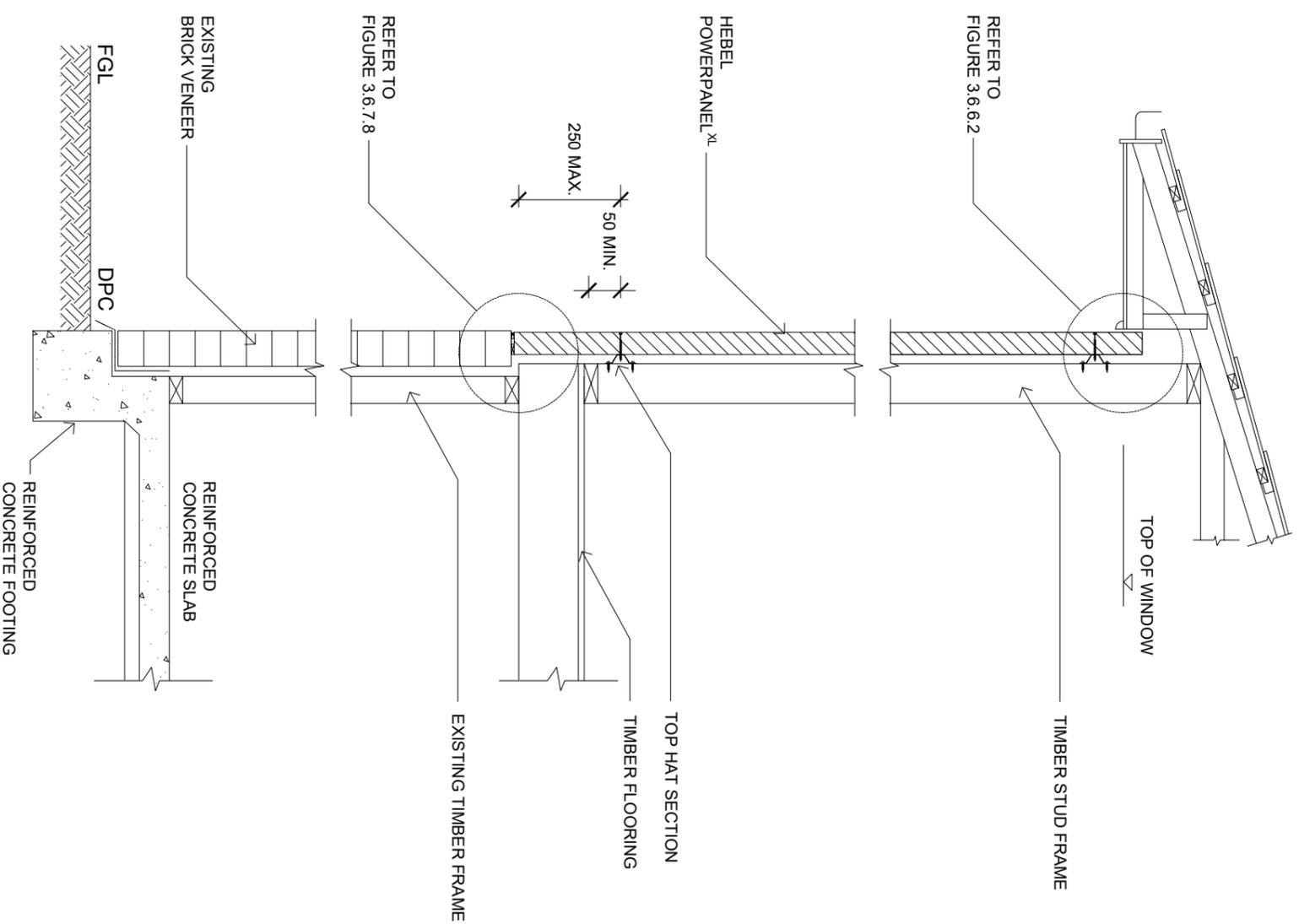


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Brimley, NSW 2100  
Phone: 02 44033300  
Fax: 02 44033300

FIGURE	TITLE	TWO STOREY ADDITION DETAILS		
3.0.3.1	SCALE	SHEET SIZE	DRAWN	DATE
DESIGN CODE REFERENCE	NTS @ A3	A3	HT	08.05.19
HELI17016A/PRL19	SHEET NO.	1 of 3	CHECK	REVISION
			ZK	C

# TWO STOREY ADDITION DETAILS INSTALLING HEBEL POWERPANEL<sup>XL</sup>



## TWO STOREY ADDITIONS - TYPICAL SECTION WITH BRICK VENEER BELOW

SCALE: 1:20

NOTE:  
1. MINIMUM 4 TOP HATS REQUIRED FOR PANELS THAT ARE SUSPENDED OFF THE FRAME. REFER TO TABLE 1.2.4 OF THE DESIGN AND INSTALLATION GUIDE.



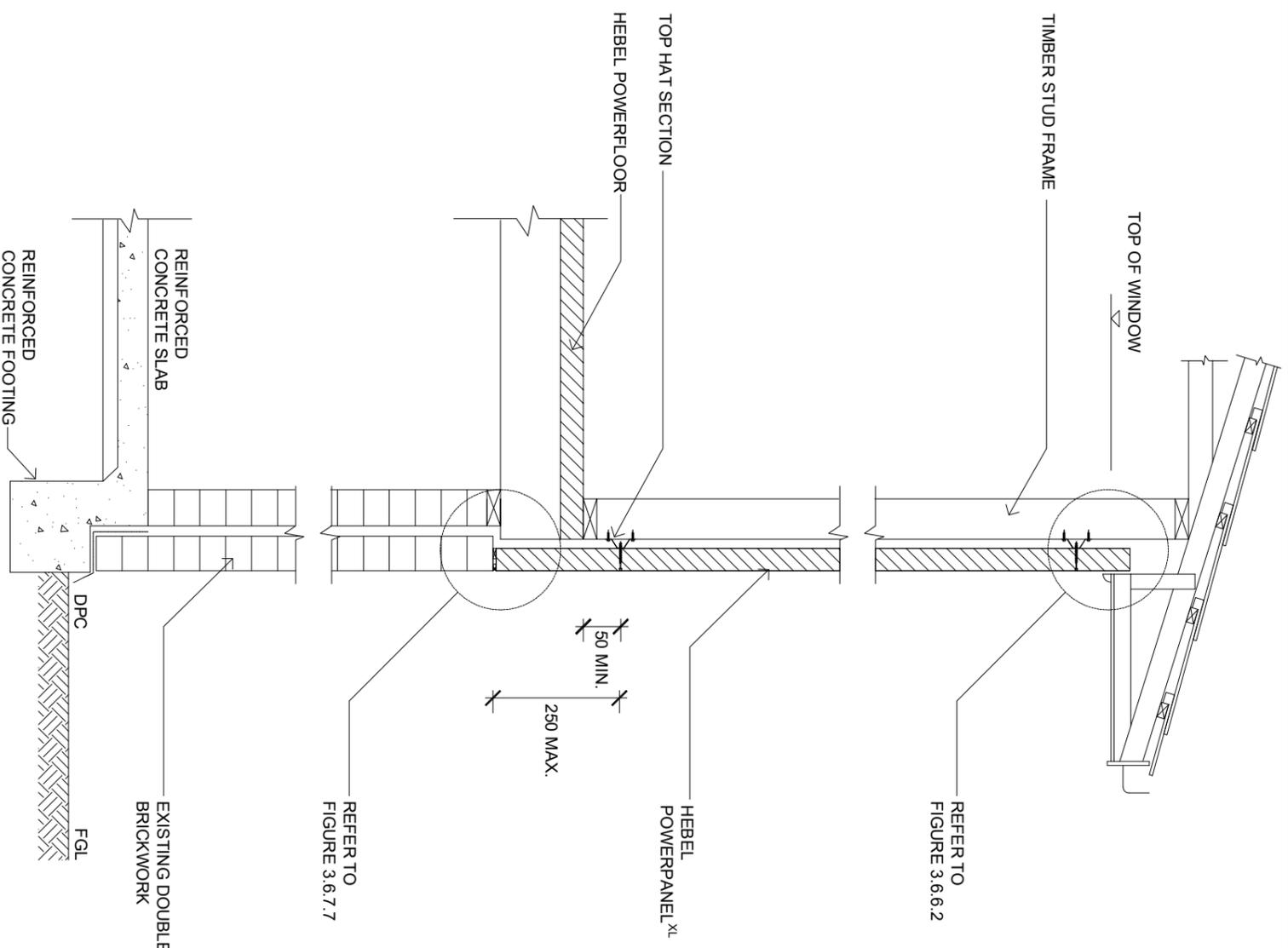
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A.B.N. 50 093 61 356

FIGURE	3.6.3.2	TITLE	TWO STOREY ADDITION DETAILS		
DESIGN GUIDE REFERENCE	HELT/1016A/PrL19	SCALE	1:20 @ A3	SHEET SIZE	A3
				SHEET NO.	2 of 3
				DRAWN	HT
				CHECK	ZK
				DATE	08.05.19
				REVISION	D

# TWO STOREY ADDITION DETAILS INSTALLING HEBEL POWERPANEL XL

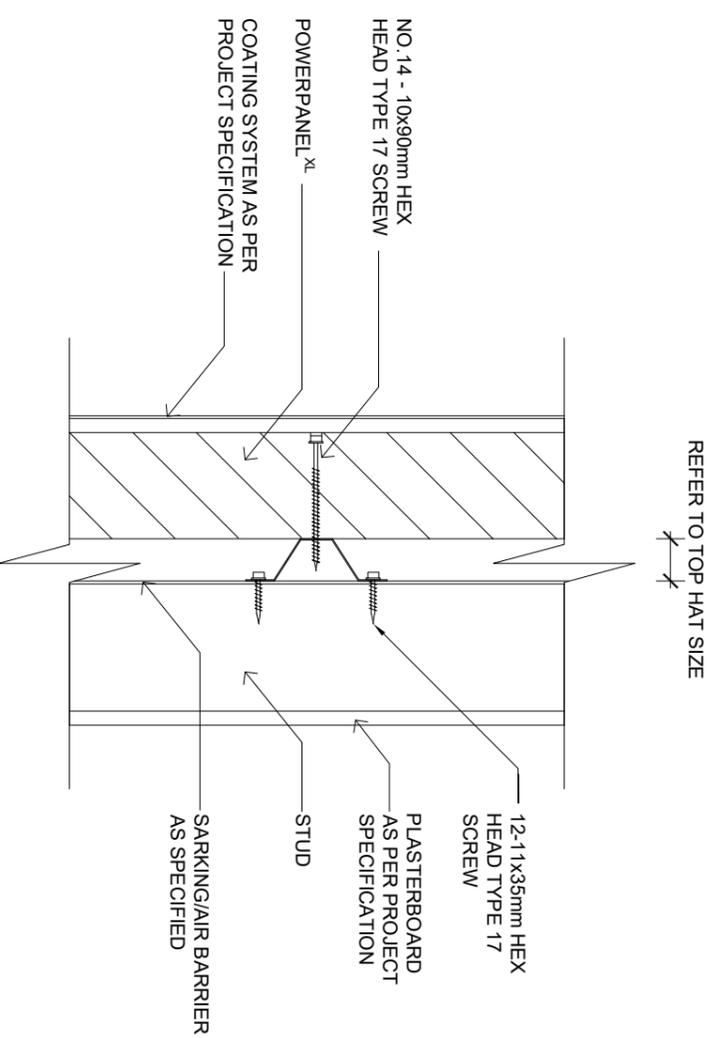


**TWO STOREY ADDITIONS - TYPICAL SECTION -  
WITH DOUBLE BRICK BELOW**  
SCALE: 1:20

NOTE:  
1. MINIMUM 4 TOP HATS REQUIRED FOR PANELS THAT ARE SUSPENDED OFF THE FRAME. REFER TO TABLE 1.24 OF THE DESIGN AND INSTALLATION GUIDE.

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		DESIGN GUIDE REFERENCE	HELT/1016A/PRL 19	SCALE	1:20 @ A3	SHEET SIZE	A3	DRAWN	HT	DATE	08.05.19
						SHEET NO.	3 of 3	CHECK	ZK	REVISION	D

# HEBEL POWERPANEL XL FIXING & INSTALLATION DETAILS



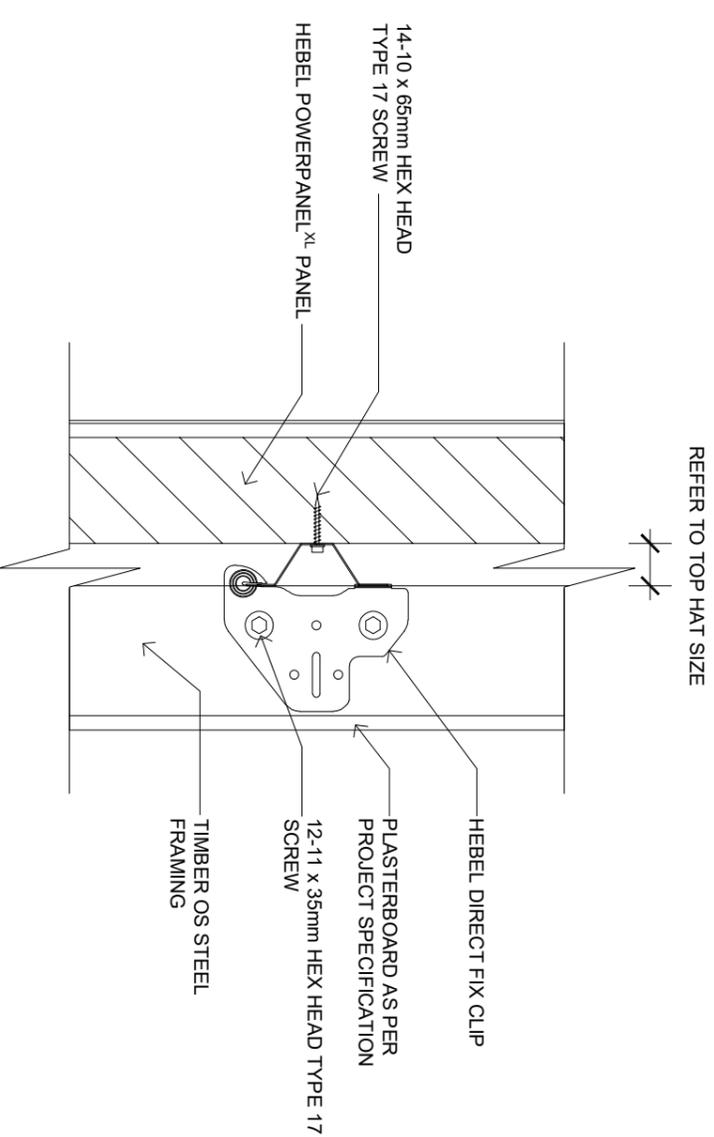
**HEBEL POWERPANEL XL EXTERNAL WALL SYSTEM FIXING DETAIL**  
 (ACHIEVES FRL 90/90/90 WHEN INSTALLED AS PART OF THE WALL SYSTEM. SEE SECTION 2.2 OF HEBEL POWERPANEL XL EXTERNAL WALLS DESIGN AND INSTALLATION GUIDE)

SCALE 1:5

**NOTE:**  
 WHEN POSITIONING THE STUD FRAMES ALLOW 5-7mm EXTRA CAVITY WIDTH FOR THE SHEET BRACING BETWEEN TOP HAT AND TIMBER STUD.

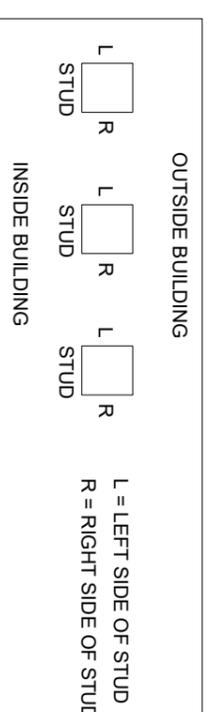
**IMPORTANT:** TOP HAT CLIP IS FIXED ON THE LEFT HAND SIDE OF THE STUD (WHEN LOOKING FROM INSIDE TO THE OUTSIDE OF THE BUILDING) EXCEPT AT THE LAST STUD, ONLY, WHEN THE CLIP MAY BE INSTALLED UPSIDE DOWN.  
 INSTALLING THE CLIP UPSIDE DOWN i.e WHERE THE SCREW FIXING FROM THE CLIP TO THE TOP HAT IS AT THE BOTTOM FLANGE OF THE TOP HAT, WILL BE ACCEPTABLE PROVIDED THAT:

- A: THE UPSIDE DOWN CLIP IS FIXED ON THE RIGHT HAND SIDE OF THE STUD (WHEN LOOKING FROM THE INSIDE TO THE OUTSIDE OF THE BUILDING)
- B: THE UPSIDE DOWN CLIP INSTALLATION IS TO THE LAST STUD OF A WALL RUN (ONLY), SUCH THAT THE SPACING BETWEEN THE LAST AND SECOND LAST STUDS IS NO GREATER THAN 600mm.
- C: THE TOP HAT IS CONTINUOUS IN THIS REGION FOR A MINIMUM OF TWO SPANS i.e TOP HAT EXTENDS ACROSS TWO STUD SPACINGS.
- D: IN ALL OTHER LOCATIONS, CLIPS ARE TO BE INSTALLED TO THE LEFT HAND SIDE OF THE STUD WITH THE SCREW FIXING TO THE TOP SIDE OF THE CLIP i.e INTO THE TOP FLANGE OF THE HORIZONTAL TOP HAT.



**HEBEL POWERPANEL XL DUAL ZERO BOUNDARY WALLS FIXING DETAIL**  
 (ACHIEVES FRL 90/90/90 WHEN INSTALLED AS PART OF THE WALL SYSTEM. SEE SECTION 2.2 OF HEBEL POWERPANEL XL EXTERNAL WALLS DESIGN AND INSTALLATION GUIDE)

SCALE 1:5



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 Locked Bag 1365, Northcote, VIC 3070  
 A.B.N. 55 008 631 356 Ph: 1300 369 448  
 www.hebelaustralia.com.au

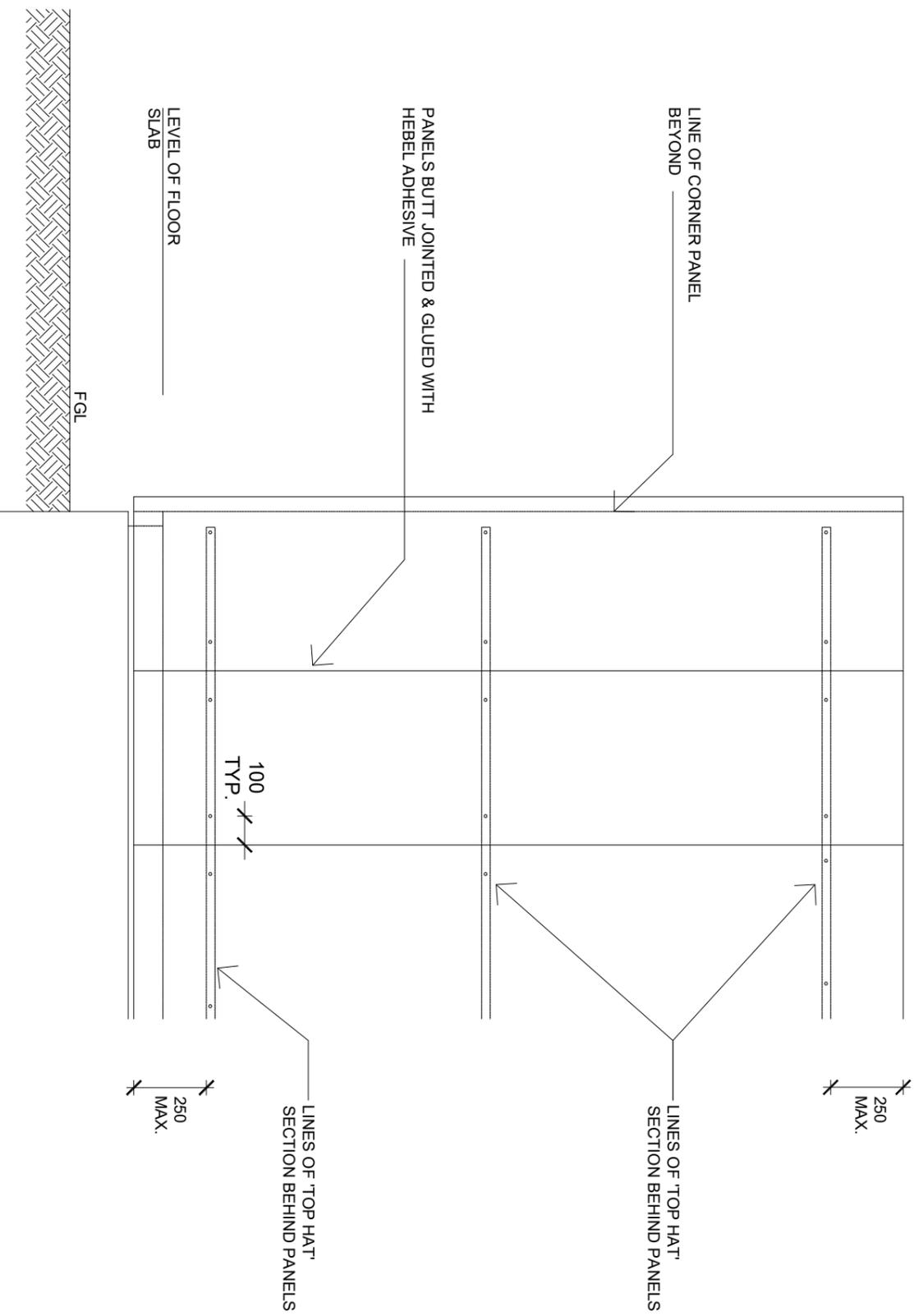


1111 Melbourne Park Road  
 Traralgon, VIC 3260  
 Ph: 024 2463380  
 Fax: 024 2463380  
 A.B.N. 55 008 631 356

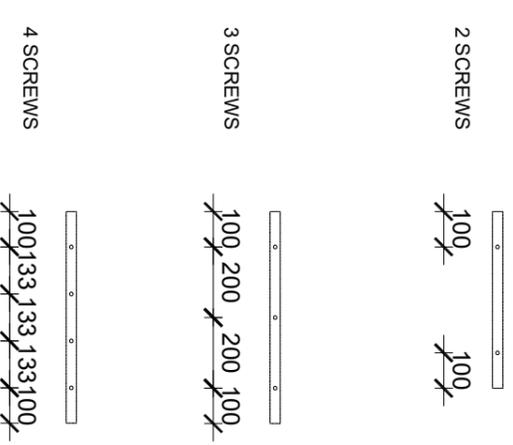
FIGURE	3.6.4.1 - 3.6.4.2	TITLE	HEBEL POWERPANEL XL FIXING & INSTALLATION DETAILS			
DESIGN GUIDE REFERENCE	HELLT016APRIL 19	SCALE	1:5 @ A3	SHEET NO.	1 of 2	
		DRAWN	HT	CHECK	ZK	
		DATE	08.05.19	REVISION	D	

# HEBEL POWERPANEL<sup>XL</sup> FIXING & INSTALLATION DETAILS

600 WIDE PANELS



**POWERPANEL<sup>XL</sup> PANEL SETOUT - ELEVATION VIEW**  
SCALE 1:20



**SCREW LAYOUT**  
SCALE 1:20



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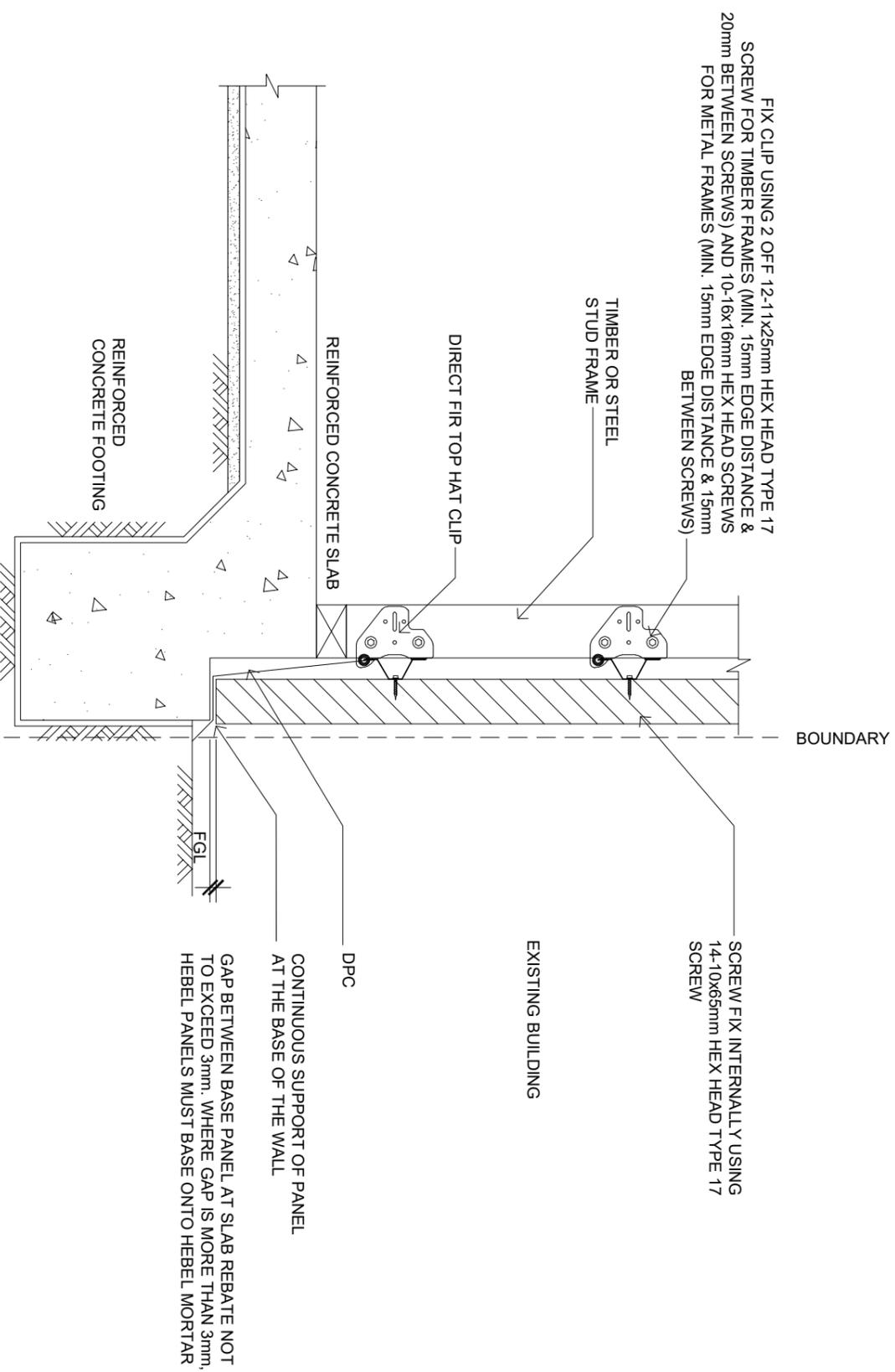


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FIGURE	3.6.4.3	TITLE	HEBEL POWERPANEL <sup>XL</sup> FIXING & INSTALLATION DETAILS			
DESIGN GUIDE REFERENCE	HELT/1016A/PRI/19	SCALE	1:20 @ A3	SHEET SIZE	A3	
		DRAWN	HT	DATE	08.05.19	
		CHECK	ZK	REVISION	D	
		SHEET NO.	2 of 2			

# HEBEL POWERPANEL<sup>XL</sup> FIXING & INSTALLATION DETAILS



**HEBEL POWERPANEL<sup>XL</sup> ZERO BOUNDARY WALL SYSTEM**  
**(ACHIEVES FRL 90/90/90 WHEN INSTALLED AS PART OF THE WALL SYSTEM. SEE SECTION 2.2 OF HEBEL POWERPANEL<sup>XL</sup> EXTERNAL WALLS DESIGN AND INSTALLATION GUIDE)**

SCALE 1:10



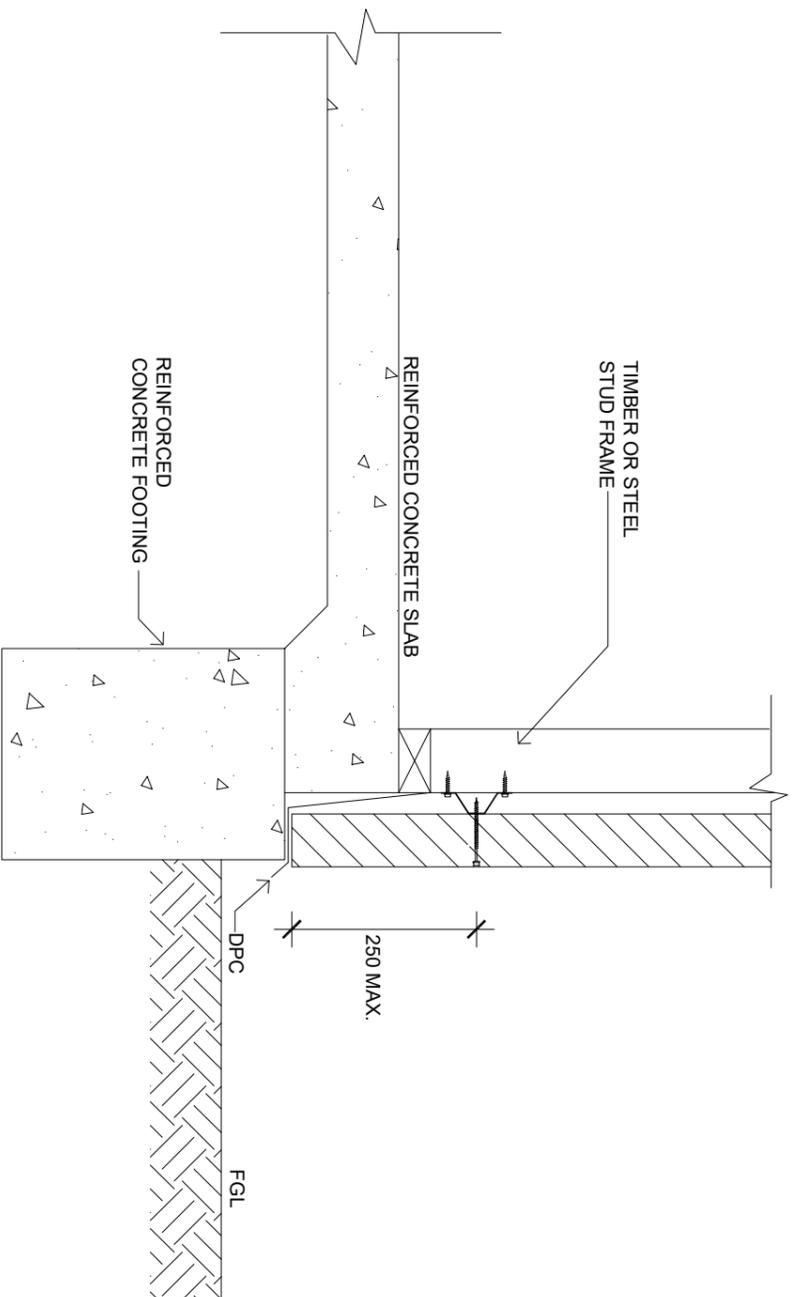
CSR BUILDING PRODUCTS LTD  
 HEDDER TRAIL & 90 BELLAIR ROAD, NORTH SYDNEY NSW 2113  
 LOCKED BAG 1345, NORTH SYDNEY NSW 1570  
 A.B.N. 55 008 631 356 Ph: 1300 369 448  
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 Berridge NSW 2300  
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 Fax: 02 48633300  
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FIGURE	3.6.4.4	TITLE	HEBEL POWERPANEL <sup>XL</sup> FIXING & INSTALLATION DETAILS			
DESIGN GUIDE REFERENCE	HEBLT016APRIL 19	SCALE	1:10 @ A3	SHEET SIZE	A3	
		SHEET NO.	1 of 6	DRAWN	ZK	
		CHECK	ZK	DATE	08.05.19	
		REVISION	D			

# FOOTING JUNCTION DETAILS



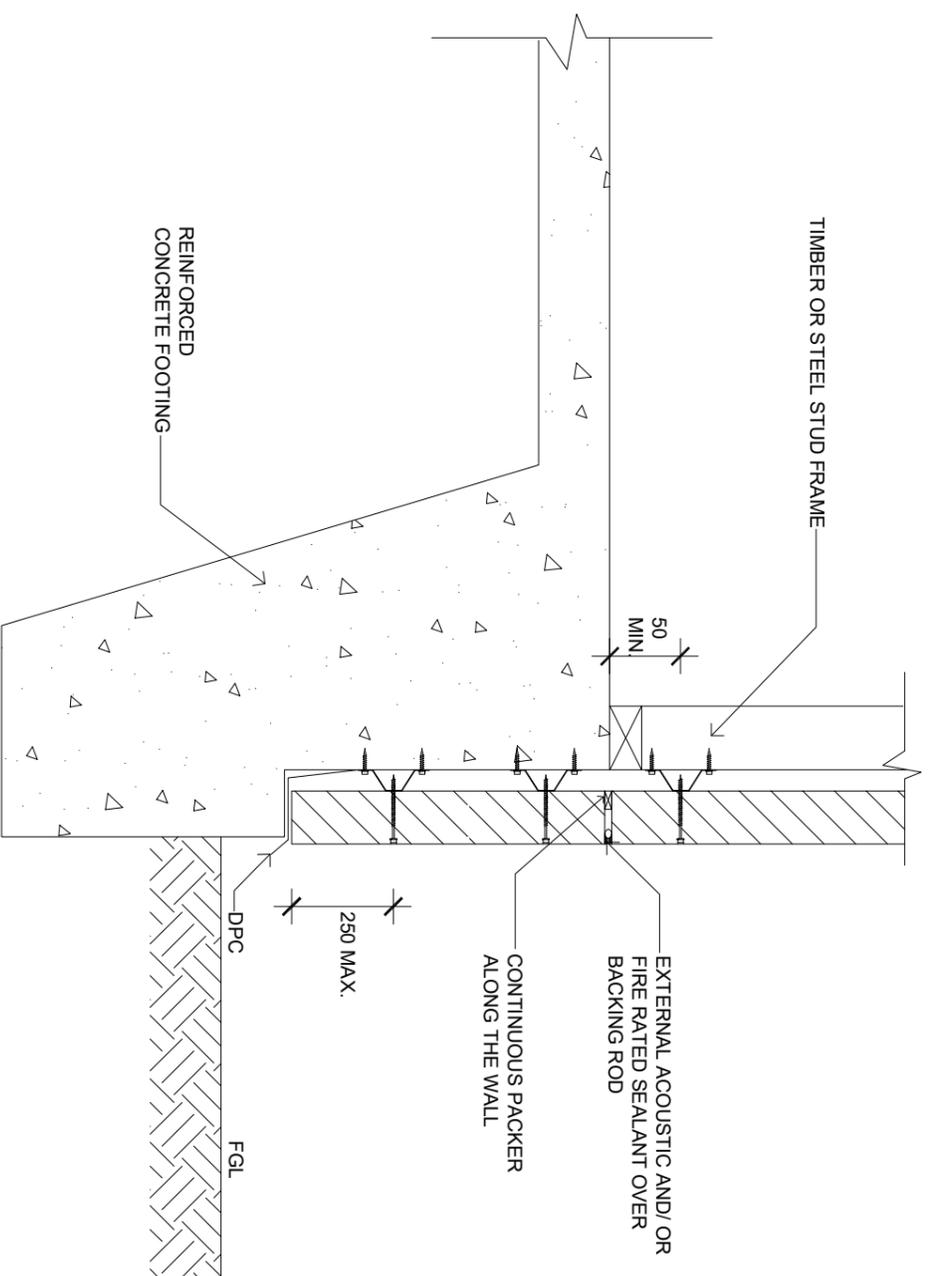
## JUNCTION TO SHALLOW CONCRETE FOOTING

SCALE 1:10

- NOTE:
1. DO NOT FIX TOP HAT TO FLOOR JOIST.
  2. IN NON-SHRINK FLOOR JOISTS ARE USED, GAP MAY BE REDUCED OR ELIMINATED. SEEK FURTHER ADVICE FROM THE FRAMING MANUFACTURER.
  3. REFER AS 3660 FOR TERMITTE PROTECTION.
  4. WHEN FIXING TOP HATS TO CONCRETE, CONTACT THE FIXING MANUFACTURER FOR DETAILS.

 <b>CSR BUILDING PRODUCTS LTD</b> Locked Mail Bag 936 Hoppersburg Road Springvale VIC 3172 Australia Tel: 1300 369 448 www.hebelaustralia.com.au	 <b>The hebel way to build</b> CSR Building Products Limited 1-13 Melbourne Road Springvale VIC 3172 Australia Tel: 1300 369 448	FIGURE	3.6.5.1	TITLE	FOOTING JUNCTION DETAILS						
		DESIGN GUIDE REFERENCE	HELLT016APRIL 19	SCALE	1:10 @ A3	SHEET SIZE	A3	DRAWN	HT	DATE	08.05.19
						SHEET NO	1 of 7	CHECK	ZK	REVISION	D

# FOOTING JUNCTION DETAILS



**JUNCTION TO DEEP CONCRETE EDGE BEAM**  
SCALE 1:10

- NOTE:
1. DO NOT FIX TOP HAT TO FLOOR JOIST.
  2. IN NON-SHRINK FLOOR JOISTS ARE USED, GAP MAY BE REDUCED OR ELIMINATED. SEEK FURTHER ADVICE FROM THE FRAMING MANUFACTURER.
  3. REFER AS 3660 FOR TERMITE PROTECTION.
  4. REFER TO TABLE 1.2.6 FOR TOP HAT REQUIREMENTS FOR DEEP CONCRETE EDGE BEAM APPLICATIONS.



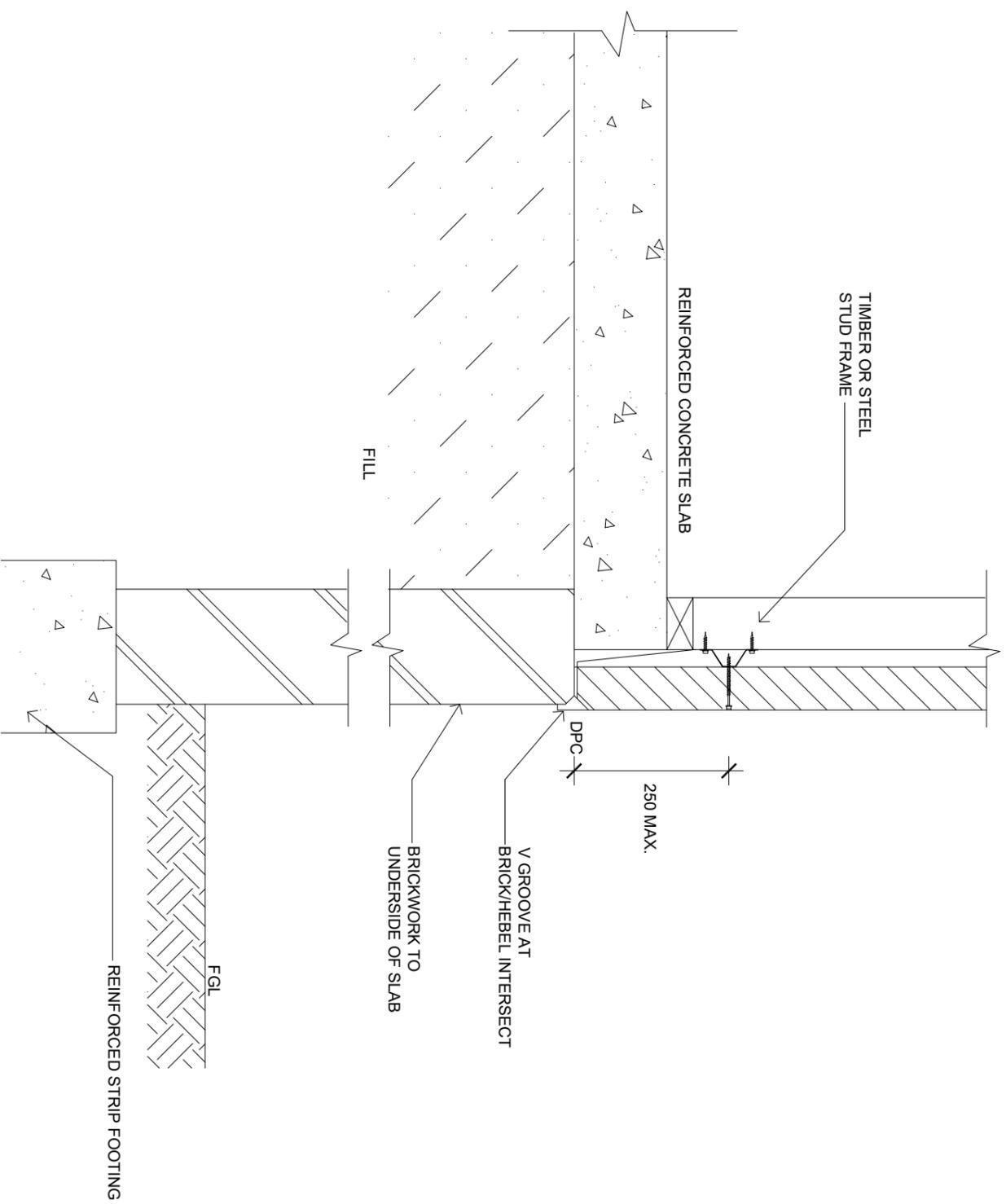
CSR BUILDING PRODUCTS LTD  
 HOCKEY TRAIN & 30 BELMONT ROAD, HOCKEY NSW 2113  
 LOCKED BAG 1345, NORTH RYDE NSW 1570  
 A.B.N. 55 008 631 356 Ph: 1300 369 448  
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 1-13 Melbourne Court Road  
 Bundoora, VIC 3086  
 Ph: 03 4463 3300  
 Fax: 03 4463 3300  
 A.B.N. 50 093 01 356

FIGURE	TITLE	FOOTING JUNCTION DETAILS		
3.6.5.2	SCALE	SHEET SIZE	DRAWN	DATE
DESIGN CODE REFERENCE	1:10 @ A3	A3	HT	08.05.19
HELLT016APRIL19		SHEET NO	CHECK	REVISION
		2 of 7	ZK	D

# FOOTING JUNCTION DETAILS



## JUNCTION TO MASONRY EARTH RETAINING WALL

SCALE 1:10

- NOTE:
1. DO NOT FIX TOP HAT TO FLOOR JOIST.
  2. IN NON-SHRINK FLOOR JOISTS ARE USED, GAP MAY BE REDUCED OR ELIMINATED. SEEK FURTHER ADVICE FROM THE FRAMING MANUFACTURER.
  3. REFER AS 3660 FOR TERMITTE PROTECTION.
  4. WHEN FIXING TOP HATS TO CONCRETE, CONTACT THE FIXING MANUFACTURER FOR DETAILS.



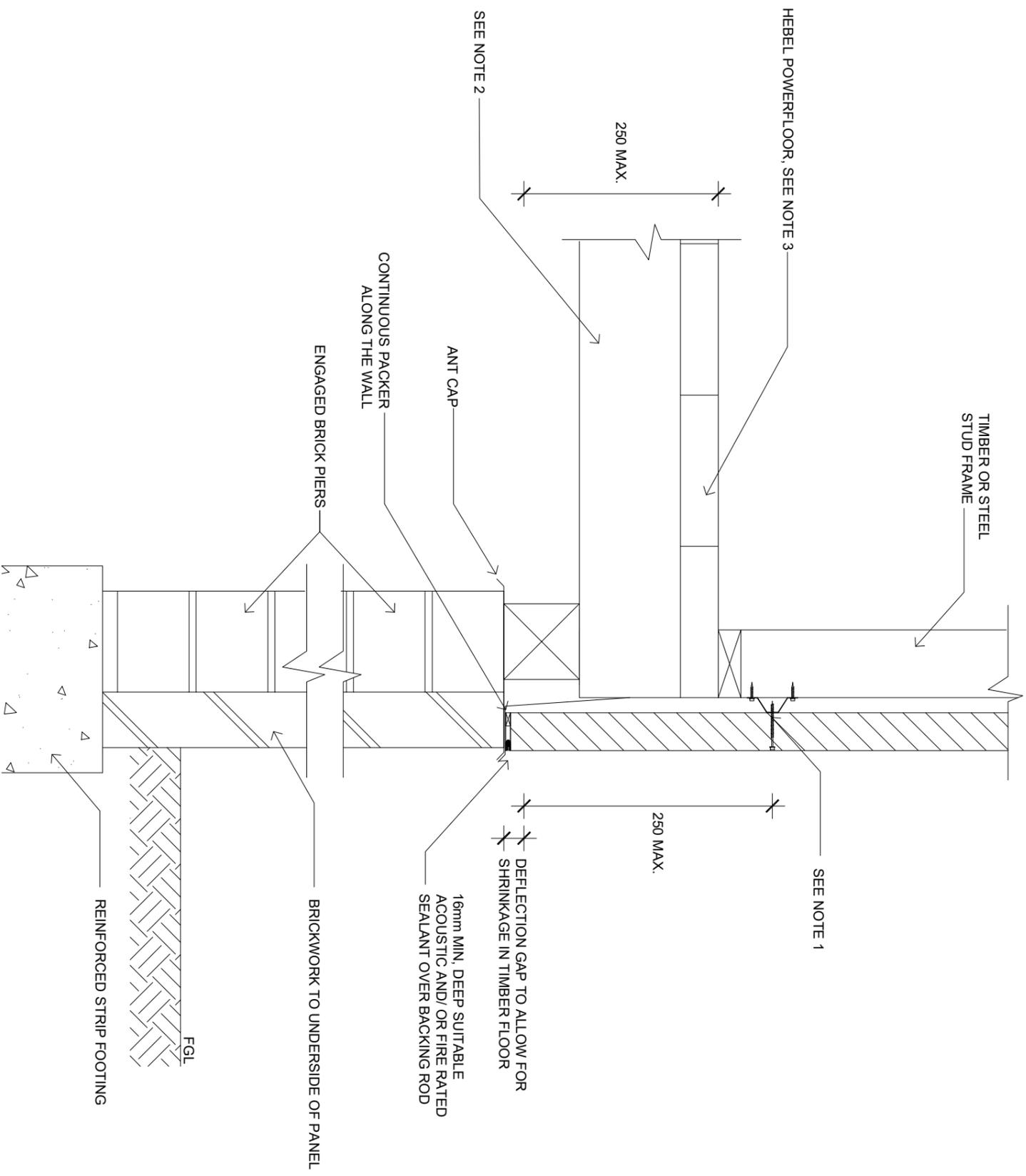
CSR BUILDING PRODUCTS LTD  
 HOCKEY TRAIN & RING RD  
 HOCKEY BAG 136 NORTH HYTE MCNSW 1970  
 A.B.N. 55 008 631 356 Ph: 1300 369 448  
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 1-13 Williams River Road  
 Melbourne, VIC 3200  
 Phone: 02 44633300  
 Fax: 02 44633300  
 A.B.N. 50 09 03 106

FIGURE	3 6 5 3	TITLE	FOOTING JUNCTION DETAILS		
DESIGN CODE REFERENCE	HELLT016APRIL 19	SCALE	1:10 @ A3	SHEET SIZE	A3
				SHEET NO.	3 of 7
				DRAWN	HT
				CHECK	ZK
				DATE	08.05.19
				REVISION	D

# FOOTING JUNCTION DETAILS



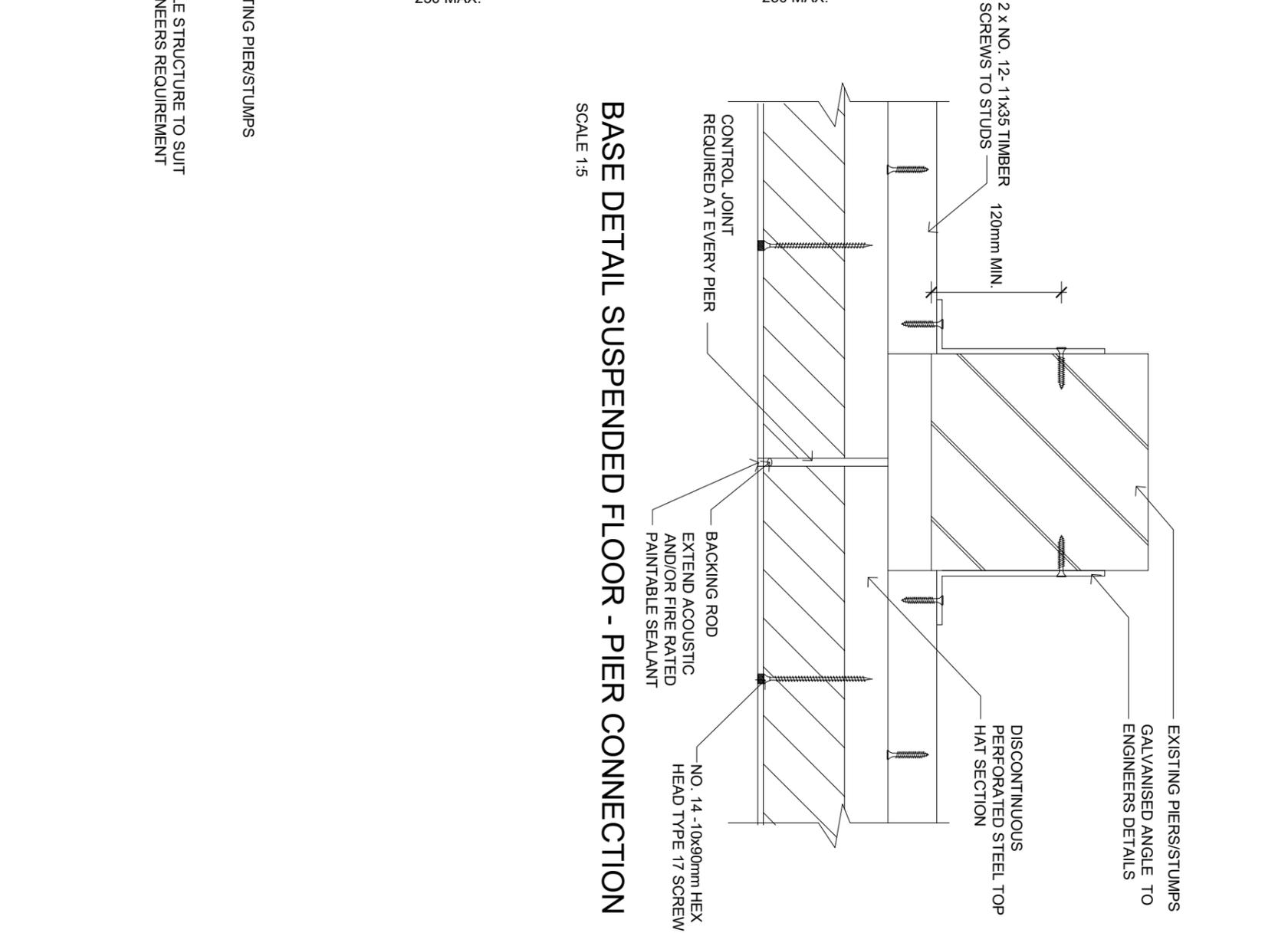
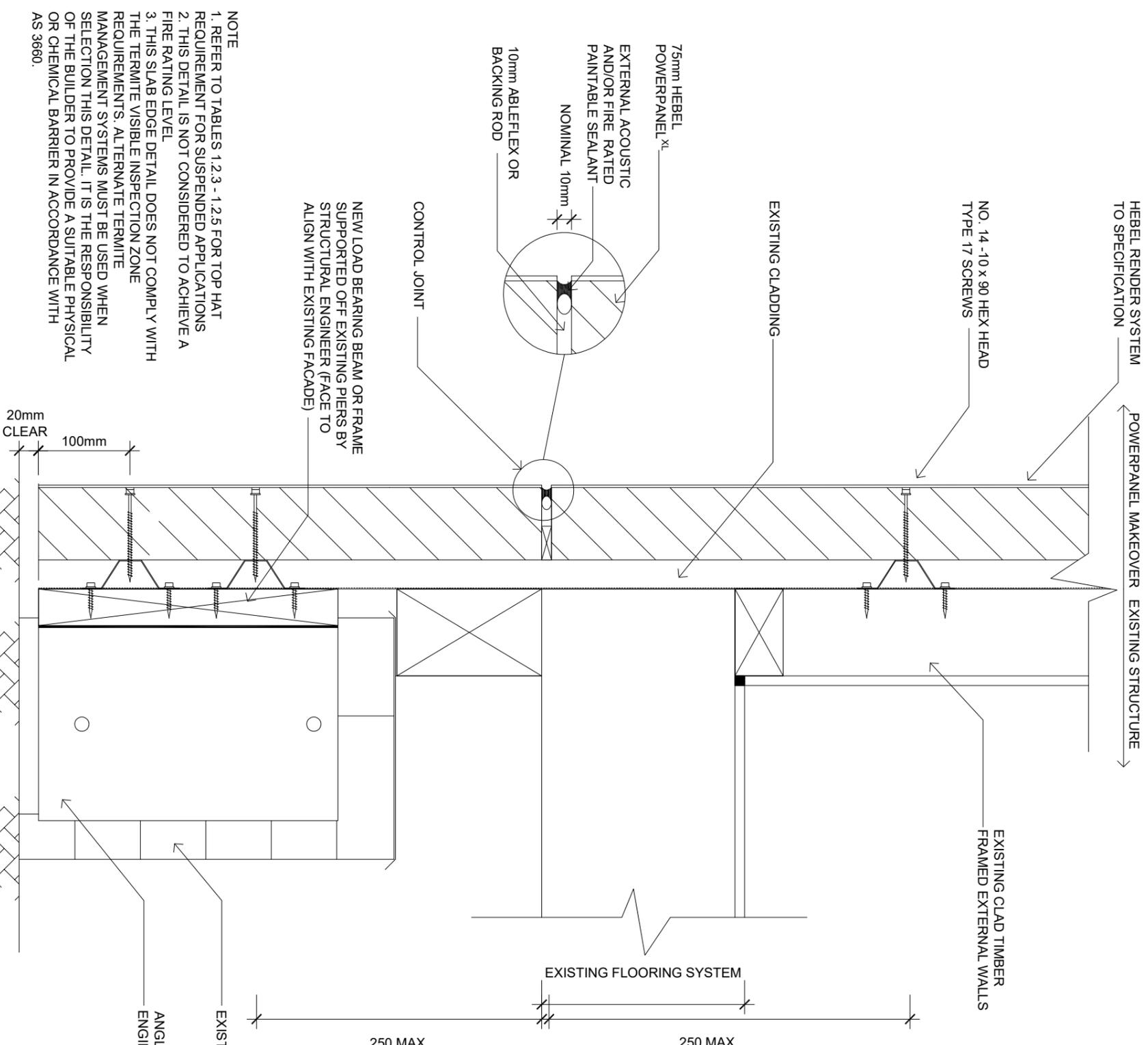
## JUNCTION TO MASONRY DWARF WALL

SCALE 1:10

- NOTE:
1. DO NOT FIX TOP HAT TO FLOOR JOISTS.
  2. IF NON-SHRINK FLOOR JOISTS ARE USED, GAP MAY BE REDUCED OR ELIMINATED. SEEK FURTHER TECHNICAL ADVICE FROM THE FRAMING MANUFACTURER.
  3. REFER TO CSR HEBEL POWERFLOOR™ DETAILS.
  4. REFER AS 3660 FOR TERMITE PROTECTION.
  5. WHEN FIXING TOP HATS TO CONCRETE, CONTACT THE FIXING MANUFACTURER FOR DETAILS.

 <b>CSR BUILDING PRODUCTS LTD</b> Hatched Plains 8 99 Bellbird Road, Northmead NSW 2151 Locked Bag 1345 North Ryde NSW 1570 A.B.N. 55 008 631 356 Ph: 1300 369 448 www.hebelaustralia.com.au	 The better way to build CSR Building Products Limited A.B.N. 55 008 631 356	FIGURE	3 6 5 4	TITLE	FOOTING JUNCTION DETAILS						
		DESIGN GUIDE REFERENCE	HELI1016APRIL 19	SCALE	1:10 @ A3	SHEET SIZE	A3	DRAWN	HT	DATE	08.05.19
						SHEET NO.	4 of 7	CHECK	ZK	REVISION	D

# FOOTING JUNCTION DETAILS



## BASE DETAIL SUSPENDED FLOOR - PIER CONNECTION

SCALE 1:5

- NOTE**
1. REFER TO TABLES 1.2.3 - 1.2.5 FOR TOP HAT REQUIREMENT FOR SUSPENDED APPLICATIONS
  2. THIS DETAIL IS NOT CONSIDERED TO ACHIEVE A FIRE RATING LEVEL
  3. THIS SLAB EDGE DETAIL DOES NOT COMPLY WITH THE TERMITE VISIBLE INSPECTION ZONE REQUIREMENTS. ALTERNATE TERMITE MANAGEMENT SYSTEMS MUST BE USED WHEN SELECTION THIS DETAIL. IT IS THE RESPONSIBILITY OF THE BUILDER TO PROVIDE A SUITABLE PHYSICAL OR CHEMICAL BARRIER IN ACCORDANCE WITH AS 3660.

## JUNCTION TO EXISTING PIERS/ STUMPS

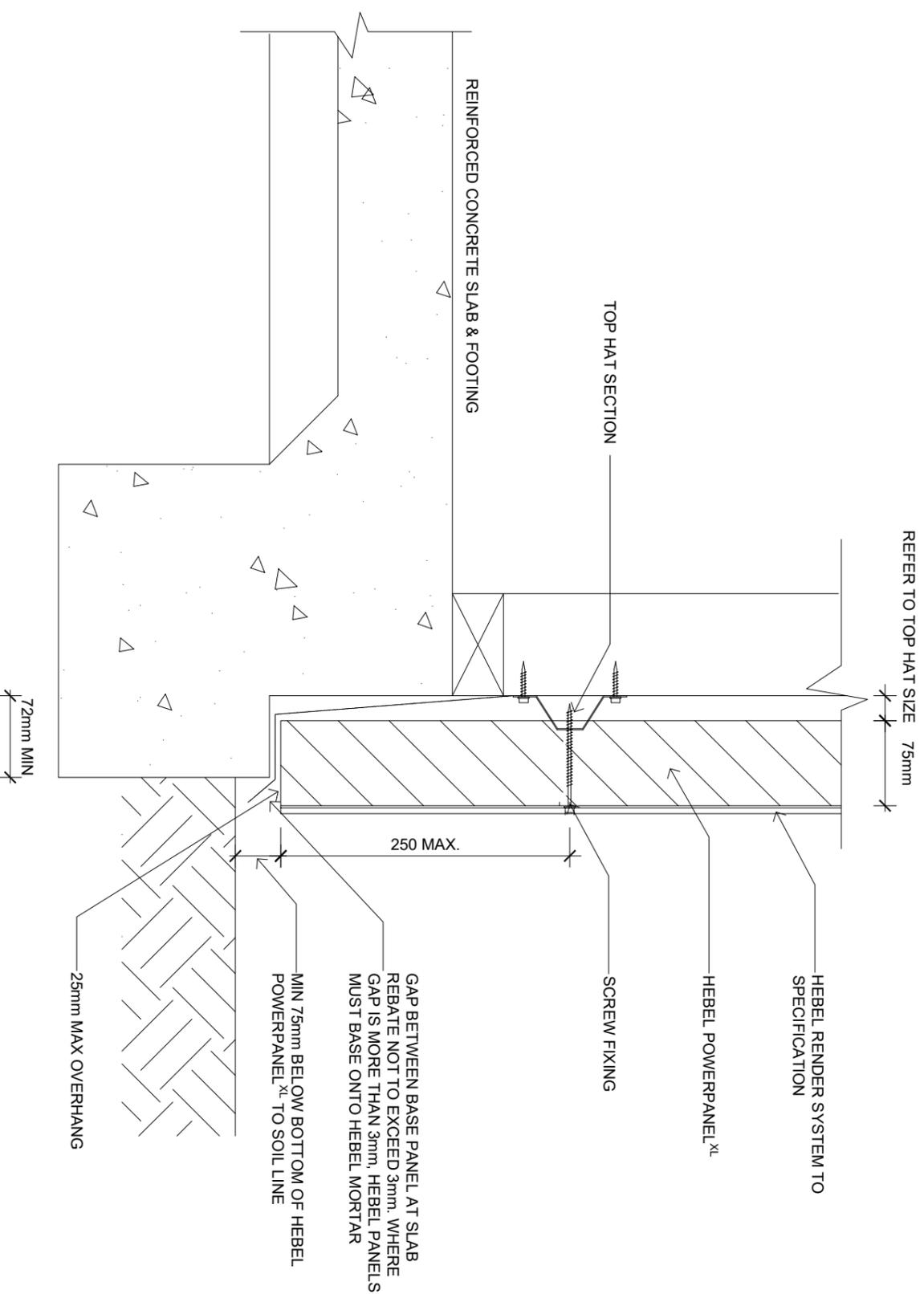
SCALE 1:5

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 www.hebelaustralia.com.au

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 11-13 Watermark Court, Redbank NSW 2200  
 Ph: 02 44633300  
 Fax: 02 44633300  
 A.B.N. 50 093 61 356

FIGURE	3.6.5.5 & 3.6.5.7	TITLE	FOOTING JUNCTION DETAILS		
DESIGN GUIDE REFERENCE	HELLT016APRIL 19	SCALE	1:5 @ A3	SHEET SIZE	A3
				SHEET NO.	5 of 7
				DRAWN	HT
				CHECK	ZK
				DATE	08.05.19
				REVISION	D

# FOOTING JUNCTION DETAILS



**JUNCTION TO SHALLOW CONCRETE EDGE BEAM  
(ACHIEVES FRL 180/180/180 WHEN INSTALLED AS PART OF THE  
WALL SYSTEM. SEE SECTION 2.2 OF HEBEL POWERPANEL XL  
EXTERNAL WALLS DESIGN AND INSTALLATION GUIDE)**

SCALE 1:5

- NOTE:
1. ALL GARDEN BEDS AND/OR FINISHED SOIL LINE MUST REMAIN A MINIMUM OF 75mm BELOW THE BOTTOM OF THE FINISHED RENDERING WALL.
  2. THIS SLAB EDGE DETAIL DOES NOT COMPLY WITH THE TERMITE VISIBLE INSPECTION ZONE REQUIREMENTS. ALTERNATE TERMITE MANAGEMENT SYSTEMS MUST BE USED WHEN SELECTION THIS DETAIL. IT IS THE RESPONSIBILITY OF THE BUILDER TO PROVIDE A SUITABLE PHYSICAL OR CHEMICAL BARRIER IN ACCORDANCE WITH AS3660.



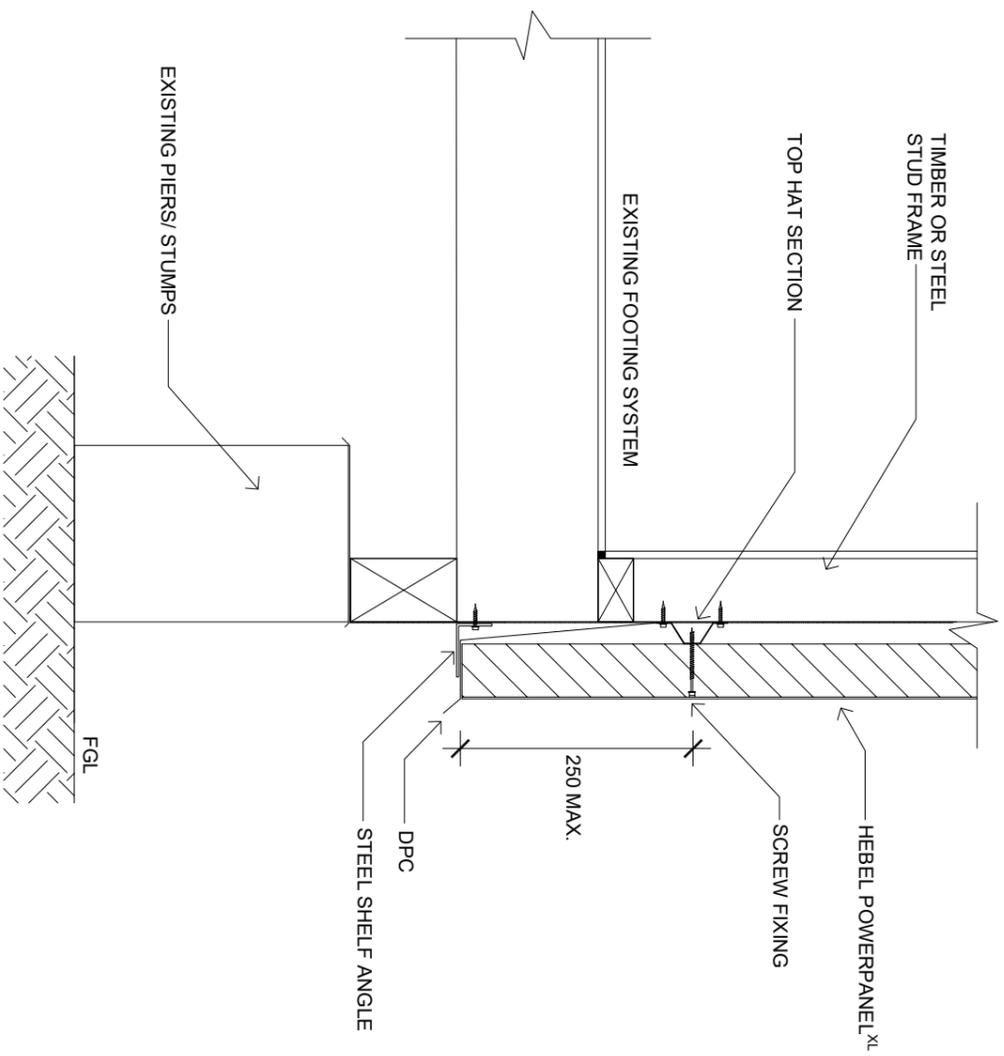
CSR BUILDING PRODUCTS LTD  
 Locked Mail Bag 936  
 North Sydney NSW 1585  
 Australia  
 Phone: 1300 969 448  
 www.hebelaustralia.com.au



CSR Building Products & Services  
 1111 Waterford Drive  
 Waterford NSW 2868  
 Australia  
 Phone: 02 48033300  
 Fax: 02 48033300

FIGURE	TITLE	SHEET SIZE	DRAWN	DATE
3.6.5.6	FOOTING JUNCTION DETAILS	A3	HT	08.05.19
DESIGN GUIDE REFERENCE	SCALE	SHEET NO.	CHECK	REVISION
HELI1016APRIL 19	1:5 @ A3	6 of 7	ZK	E

# FOOTING JUNCTION DETAILS



**SUSPENDED BASE DETAIL**  
SCALE 1:10

- NOTE
1. THIS DETAIL IS NOT CONSIDERED TO ACHIEVE A FIRE RATING LEVEL.
  2. THE LIGHT GAUGE STEEL ANGLE IS FOR THE PURPOSE OF CLOSING THE CAVITY AT THE BASE OF THE WALL.



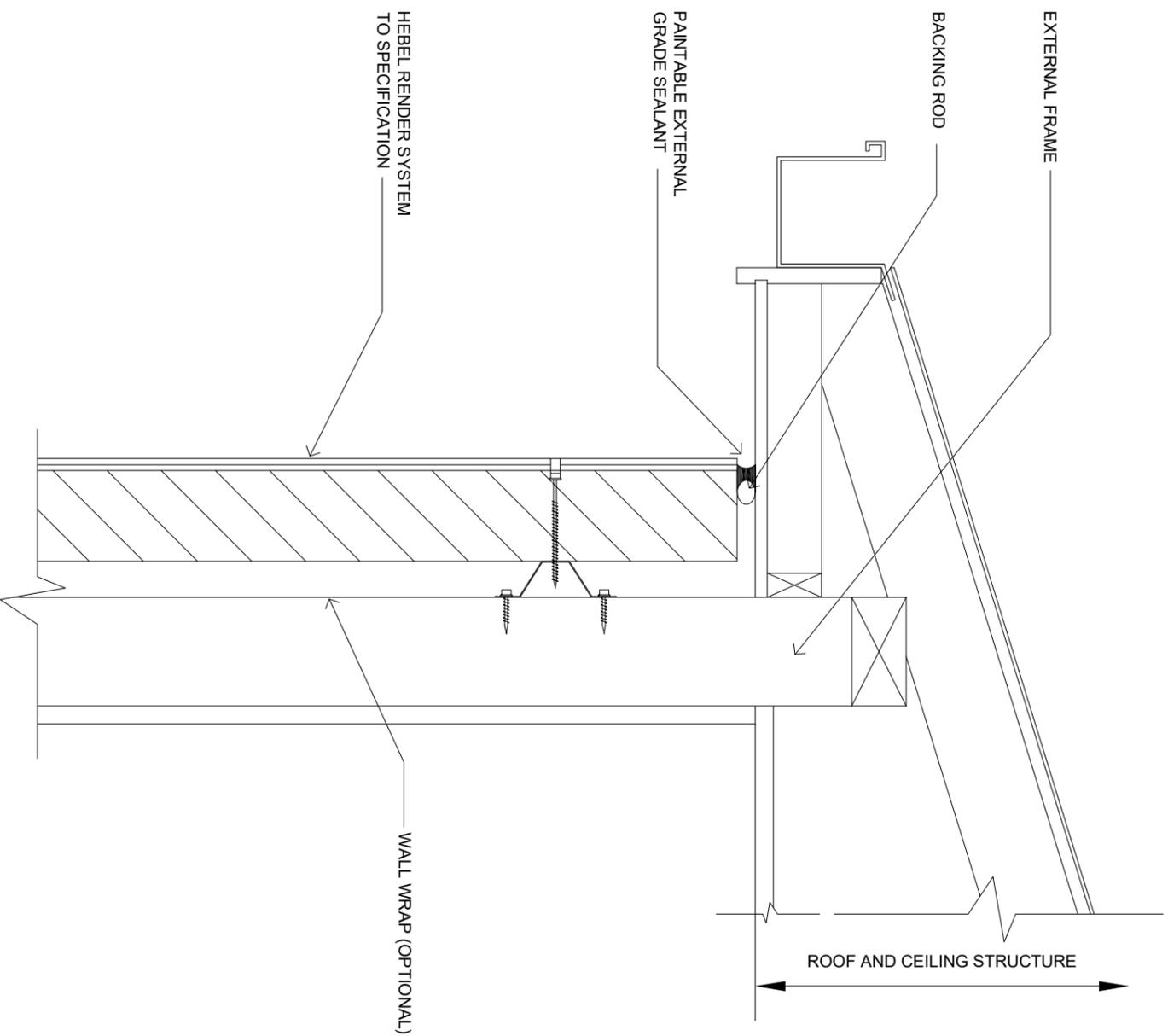
CSR BUILDING PRODUCTS LTD  
 HOCKEY PLANE 8 19 BELMONT NORTH RISE NSW 2115  
 LOCKED BAG 1345 NORTH RISE NSW 2115  
 A.B.N. 55 008 631 356 Ph: 1300 369 448  
 www.hebelaustralia.com.au



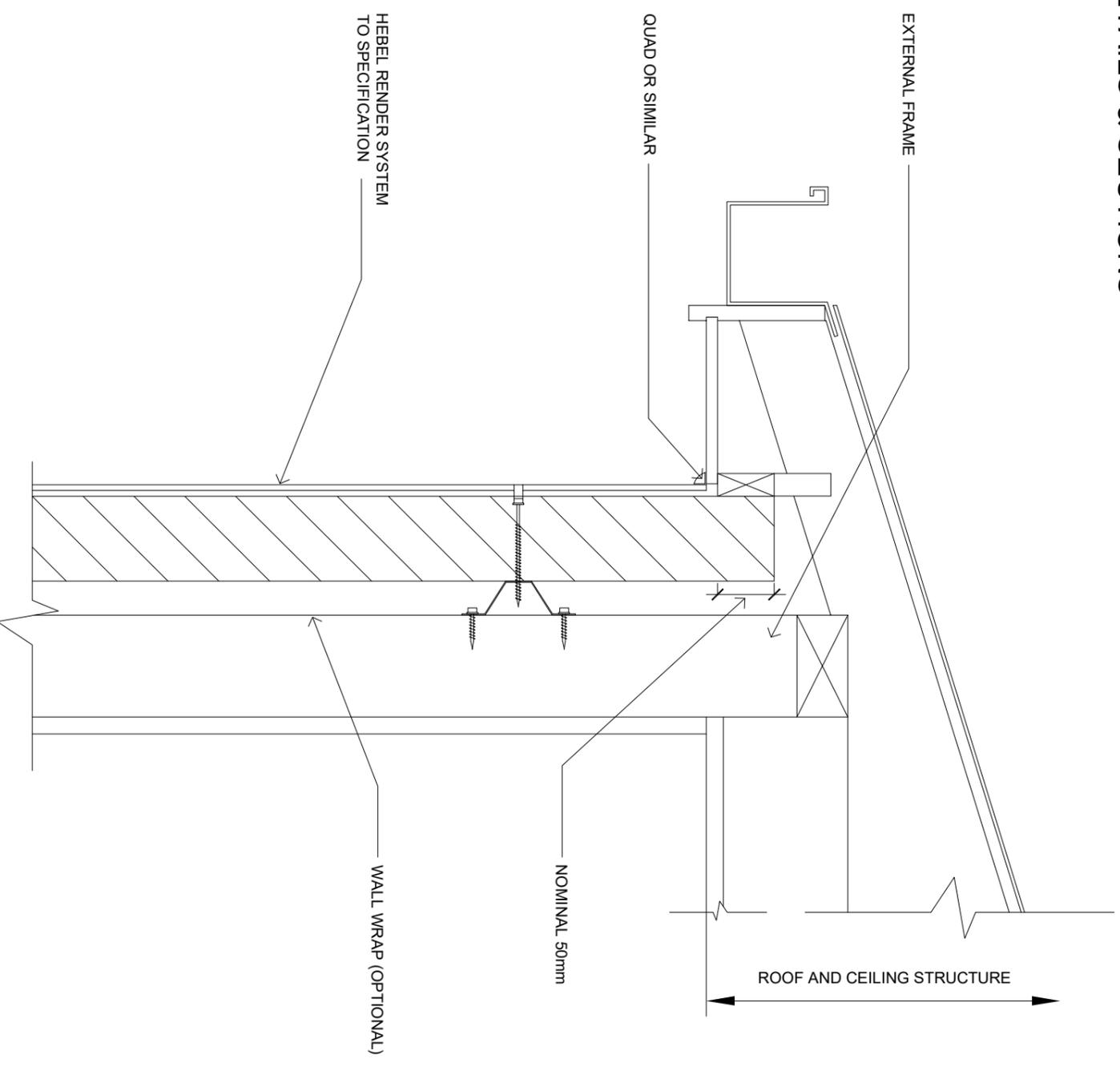
CSR Building Products Limited  
 A.B.N. 55 008 631 356  
 1111 Melbourne Road  
 Berrimba NSW 2500  
 Ph: 602 4463300  
 Fax: 602 4463350

FIGURE	TITLE	FOOTING JUNCTION DETAILS			
3 6 5 8	SCALE	SHEET SIZE	DRAWN	DATE	
DESIGN CODE REFERENCE	1:10 @ A3	A3	HT	08.05.19	
HELLT016APRIL 19		SHEET NO.	CHECK	REVISION	
		7 of 7	ZK	B	

# WALL JUNCTION DETAILS & SECTIONS



TYPICAL ROOF EAVES DETAILS - OPTION 1  
SCALE 1:5



TYPICAL ROOF EAVES DETAILS - OPTION 2  
SCALE 1:5



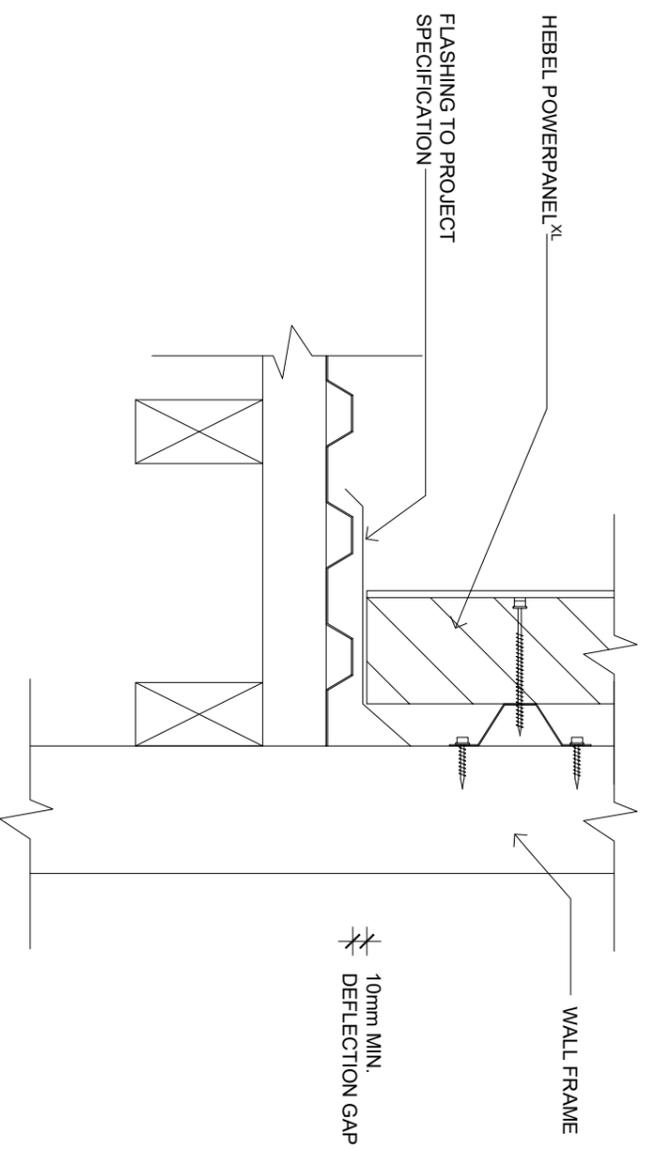
CSR BUILDING PRODUCTS LTD  
 HOCKEY PLAIN 819 BELMONT ROAD HOCKEY PLAIN NSW 2115  
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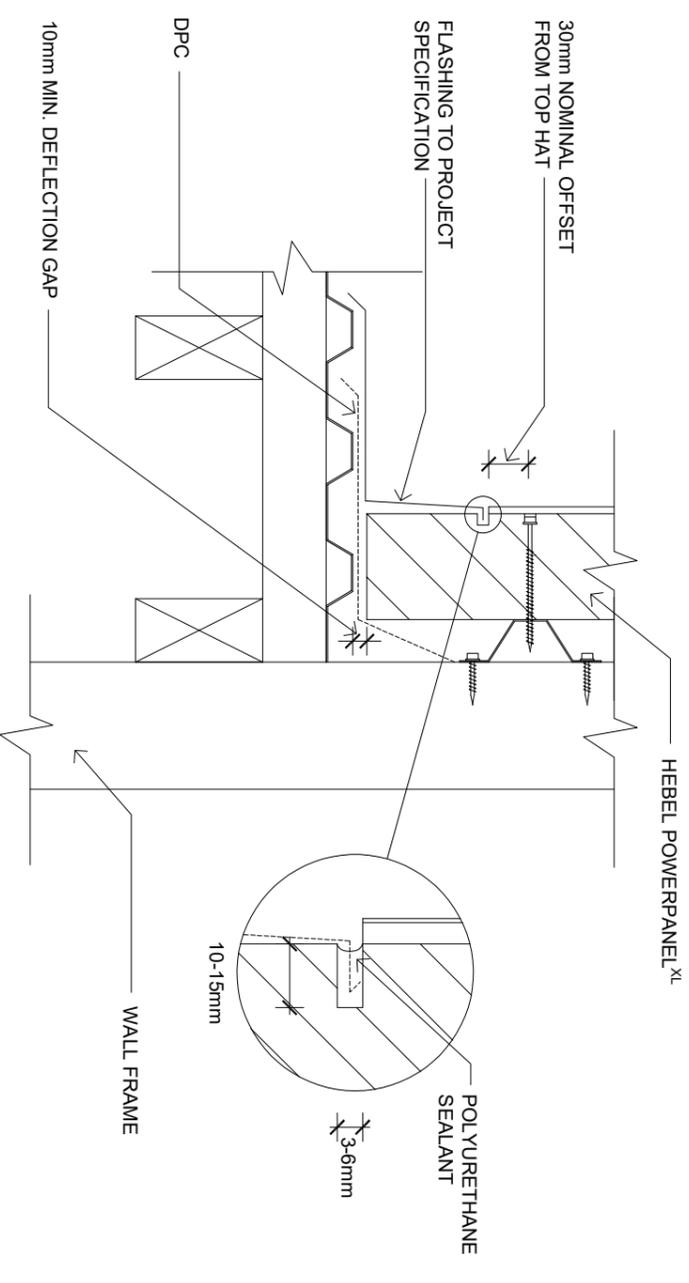
FIGURE	TITLE	SHEET SIZE	DRAWN	DATE
3.6.6.1 - 3.6.6.2	WALL JUNCTION DETAILS & SECTIONS	A3	HT	08.05.19
DESIGN CODE REFERENCE	SCALE	SHEET NO.	CHECK	REVISION
HELT1016APRIL 19	1:5 @ A3	1 of 5	ZK	D

# WALL JUNCTION DETAILS & SECTIONS



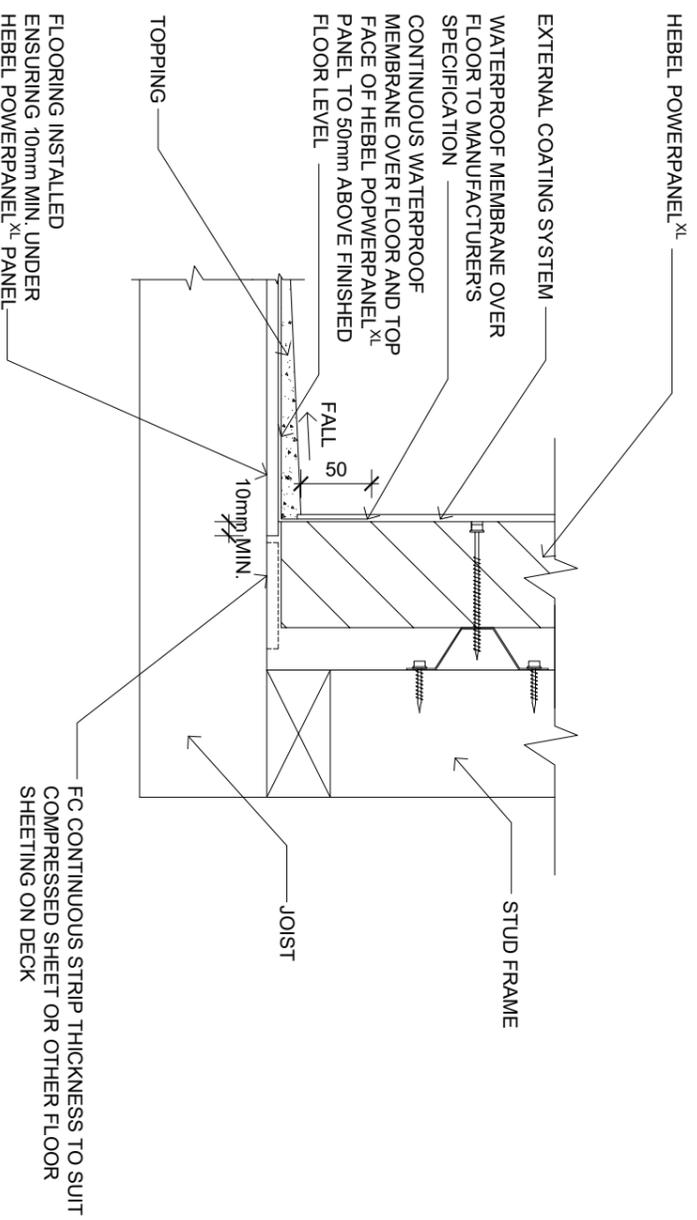
ROOF TO WALL JUNCTION DETAIL - OPTION 1

SCALE 1:5



ROOF TO WALL JUNCTION DETAIL - OPTION 2

SCALE 1:5



BALCONY DETAIL

SCALE 1:5



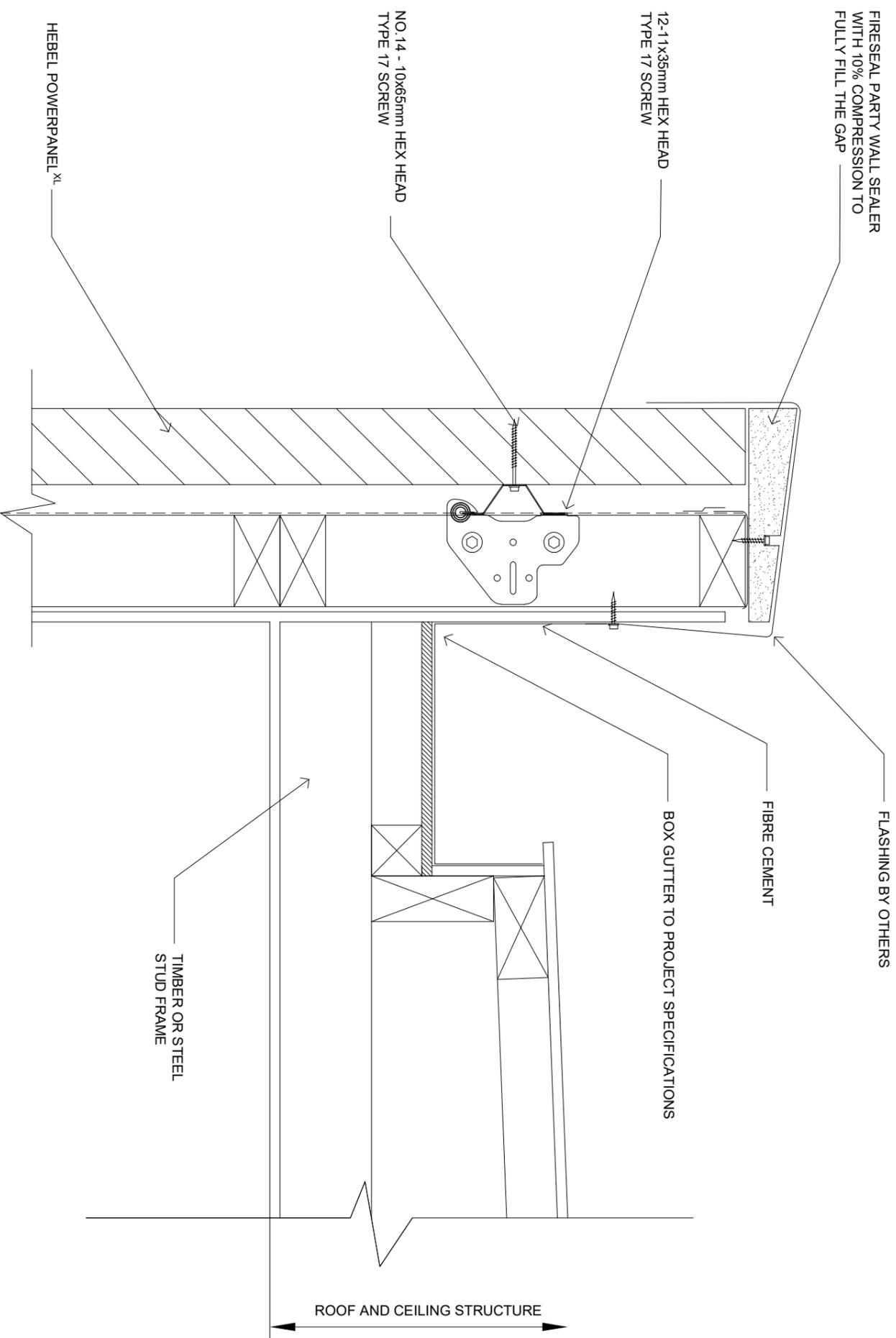
CSR BUILDING PRODUCTS LTD  
 HEDDERLEY DRIVE & 90 BELLAIR ROAD, NORTHMEAD NSW 2113  
 LOCKED BAG 1345, NORTH RYDE NSW 1570  
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 NSW 1585  
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 Fax: 02 48633300  
 A.B.N. 50 093 01 306

FIGURE	TITLE	SHEET SIZE	DRAWN	DATE
3.6.6.3 - 3.6.6.4 & 3.6.6.6	WALL JUNCTION DETAILS & SECTIONS	A3	HT	08.05.19
DESIGN GUIDE REFERENCE	SCALE	SHEET NO.	CHECK	REVISION
HELLT016APRIL 19	1:5 @ A3	2 of 5	ZK	D

# WALL JUNCTION DETAILS & SECTIONS

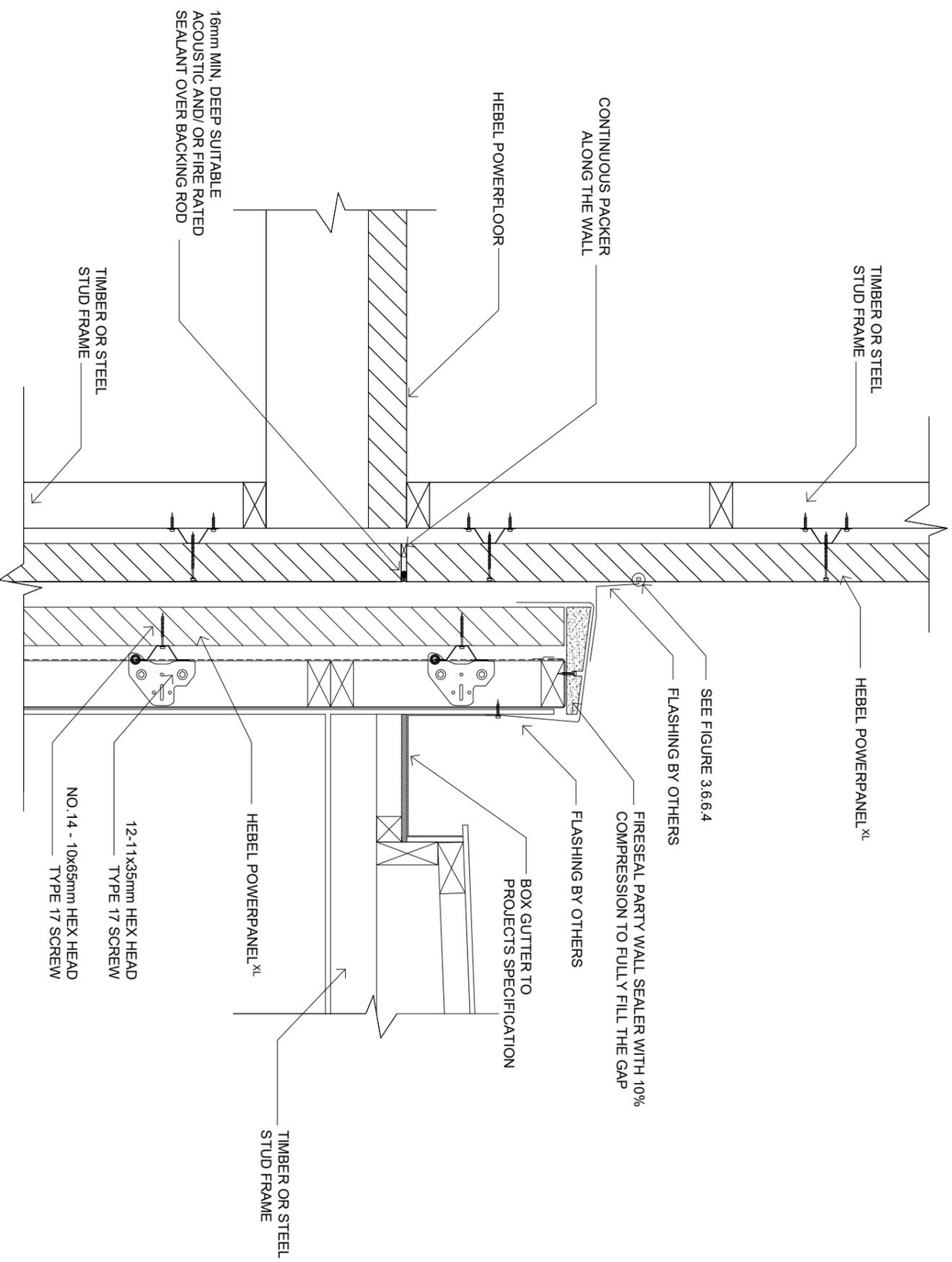


**TYPICAL ROOF EAVES DETAILS - ZERO BOUNDARY WALLS  
(ACHIEVES FRL 90/90/90 WHEN INSTALLED AS PART OF THE WALL SYSTEM.  
SEE SECTION 2.2 OF HEBEL POWERPANEL<sup>XL</sup> EXTERNAL WALLS DESIGN  
AND INSTALLATION GUIDE)**

SCALE 1:5

 <b>CSR BUILDING PRODUCTS LTD</b> HOCKEY ROAD, 50 BELMONT ROAD, MORTDALE VIC 3171 LOCKED BAG 1345, NORTH RIDE VIC 3107 A.B.N. 55 008 631 356 Ph: 1300 369 448 www.hebelaustralia.com.au		 <b>The better way to build</b> CSR Building Products Limited 1111 Melbourne Road Werribee VIC 3040 Ph: 03 94833300 Fax: 03 94833300	
FIGURE	3 6 6 5	TITLE	WALL JUNCTION DETAILS & SECTIONS
DESIGN GUIDE REFERENCE	HELLT016APRIL 19	SCALE	1:5 @ A3
SHEET SIZE	A3	DRAWN	HT
SHEET NO.	1 of 5	CHECK	ZK
		DATE	08.05.19
		REVISION	D

# WALL JUNCTION DETAILS & SECTIONS

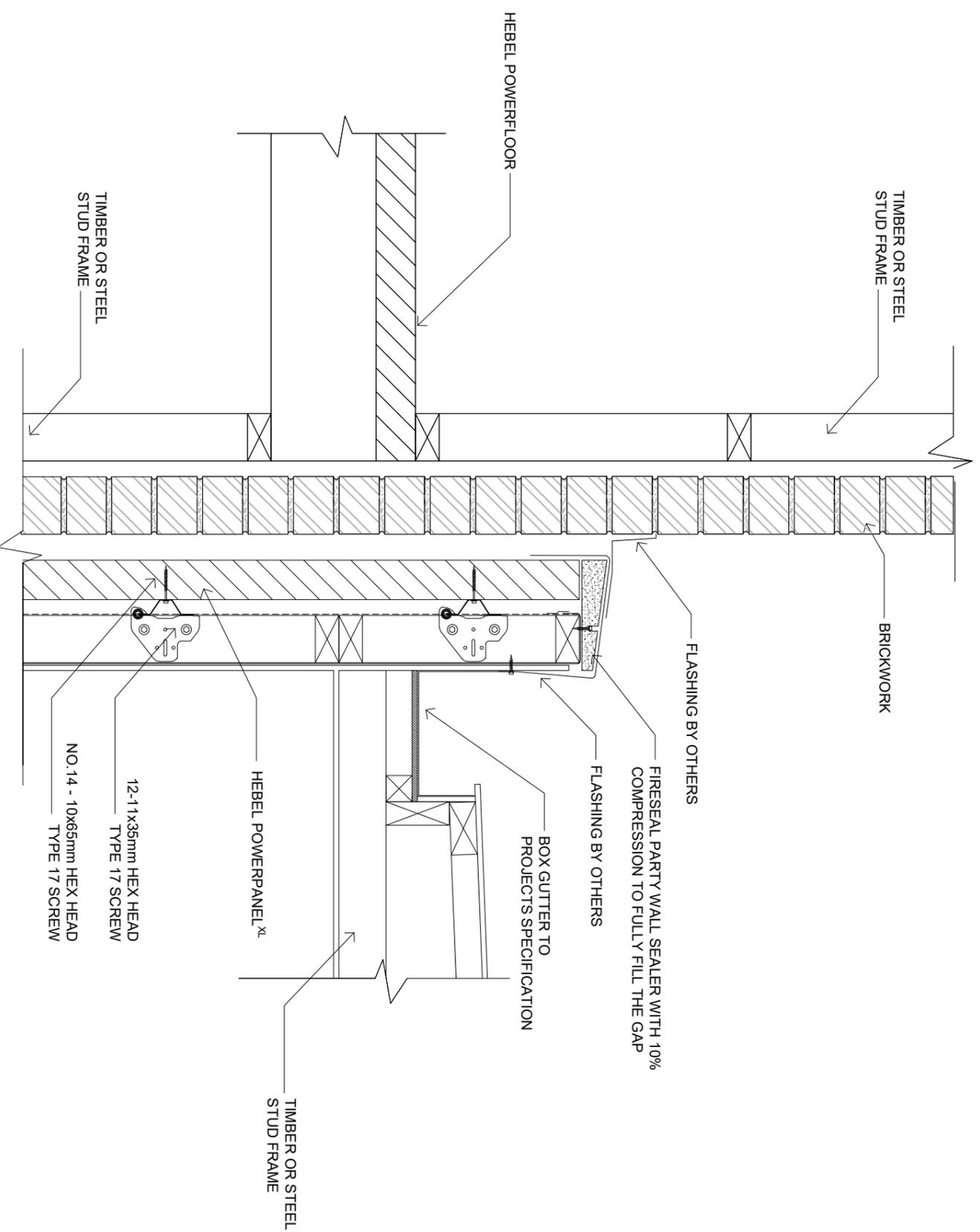


**ZERO BOUNDARY WALL JUNCTION DETAIL**  
 (ACHIEVES FRL 90/90/90 WHEN INSTALLED AS PART OF THE WALL SYSTEM. SEE SECTION 2.2 OF HEBEL POWERPANEL XL EXTERNAL WALLS DESIGN AND INSTALLATION GUIDE)

SCALE 1:10

 <b>CSR BUILDING PRODUCTS LTD</b> Locked Mail Bag 98, Bella Vista, NSW 2115 Locked Mail Bag 136, North Ryde, NSW 1570 A.B.N. 55 008 631 356 Ph: 1300 369 448 www.hebelaustralia.com.au	 <b>hebel</b> The better way to build CSR Building Products Limited 1111 Mariner Way, Redbank, QLD 4013 Ph: 07 4863 3300 Fax: 07 4863 3300	FIGURE	3.6.6.7	TITLE	WALL JUNCTION DETAILS & SECTION					
		DESIGN GUIDE REFERENCE	HELLT016APRIL 19	SCALE	1:10 @ A3	SHEET SIZE	A3	DRAWN	HT	DATE
				SHEET NO.	4 of 6	CHECK	ZK	REVISION	E	

# WALL JUNCTION DETAILS & SECTIONS



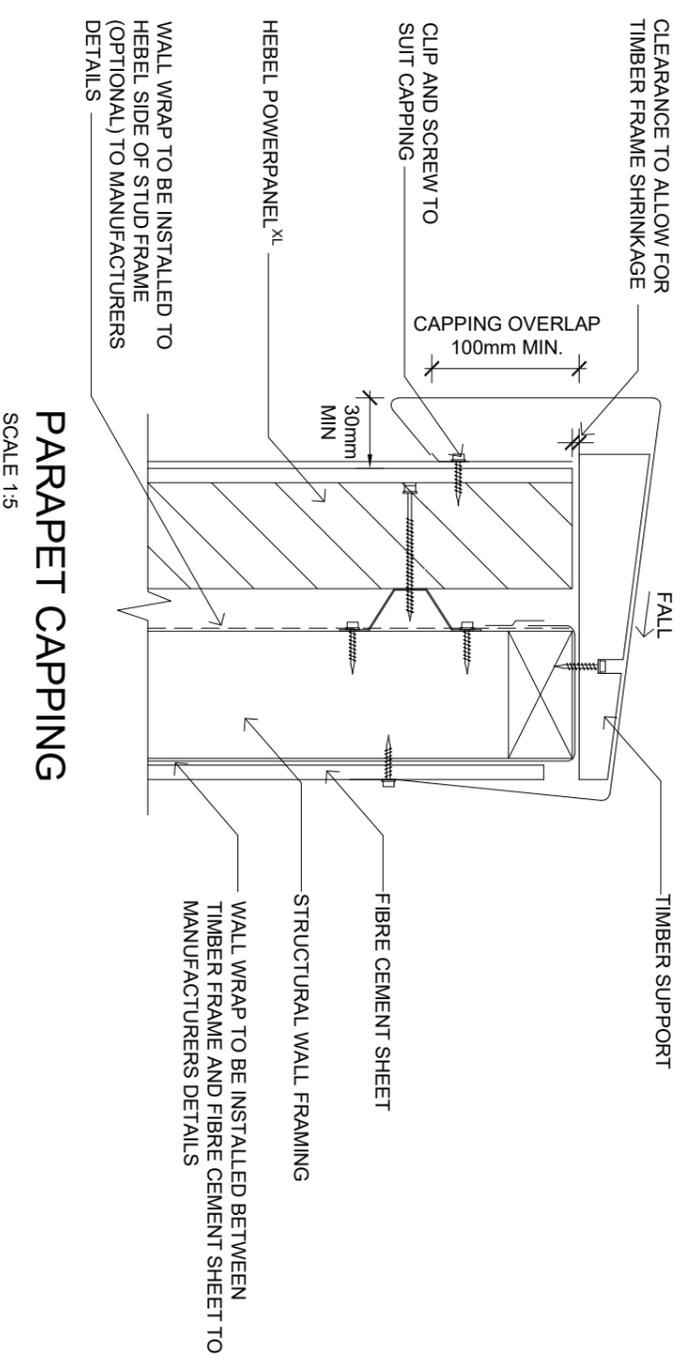
ZERO BOUNDARY WALL JUNCTION DETAIL TO MASONRY  
 (ACHIEVES FRL 90/90/90 WHEN INSTALLED AS PART OF THE WALL  
 SYSTEM. SEE SECTION 2.2 OF HEBEL POWERPANEL<sup>XL</sup> EXTERNAL WALLS  
 DESIGN AND INSTALLATION GUIDE)

SCALE 1:10

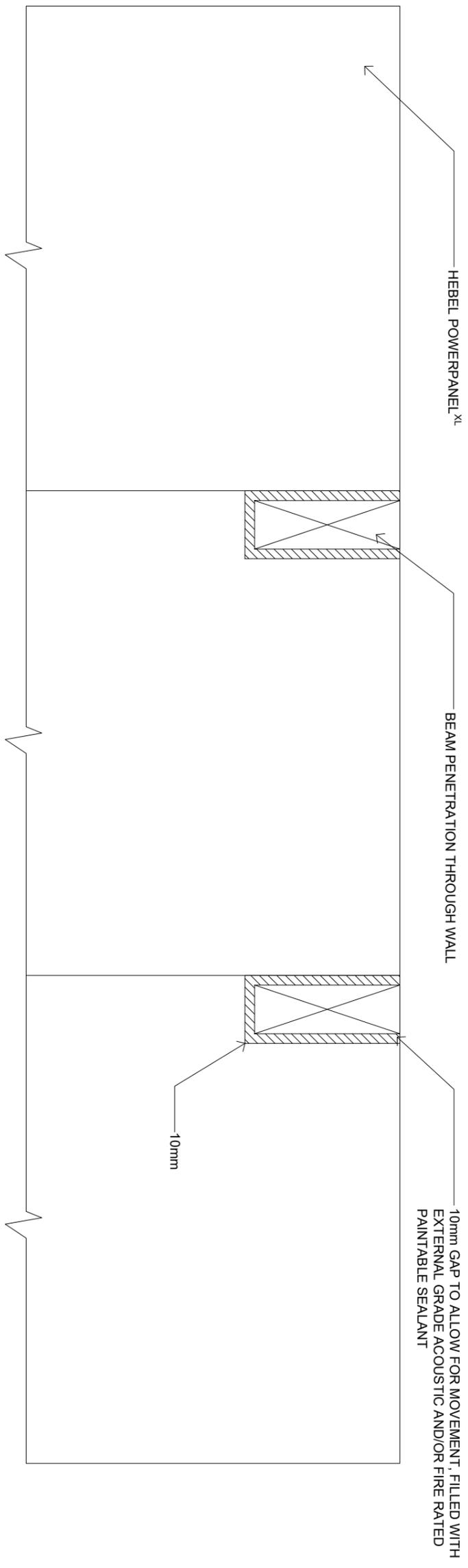
 <b>CSR BUILDING PRODUCTS LTD</b> Locked Mail Bag 136, North Ryde, NSW 2113 A.B.N. 55 008 631 356 Ph: 1300 369 448 www.hebelaustralia.com.au		 <b>hebel</b> The better way to build CSR Building Products Limited 1-13 Waterford Park Road Berridge, NSW 2150 Ph: 02 48633300 Fax: 02 48633300	
FIGURE	3.6.6.8	TITLE	WALL JUNCTION DETAILS & SECTIONS
DESIGN CODE REFERENCE	HELLT016APRIL 19	SCALE	1:10 @ A3
SHEET SIZE	A3	DRAWN	HT
SHEET NO.	4 of 6	CHECK	ZK
DATE	08.05.19	REVISION	0

# WALL JUNCTION DETAILS & SECTIONS

NOTE:  
 PARAPET CAPPING SHALL BE DESIGNED AND FASTENED IN ACCORDANCE WITH SAA - HB39 2015 - INSTALLATION CODE FOR METAL ROOFING AND WALL CLADDING. STOP ENDS SHALL BE INCORPORATED TO ALL FLASHINGS.



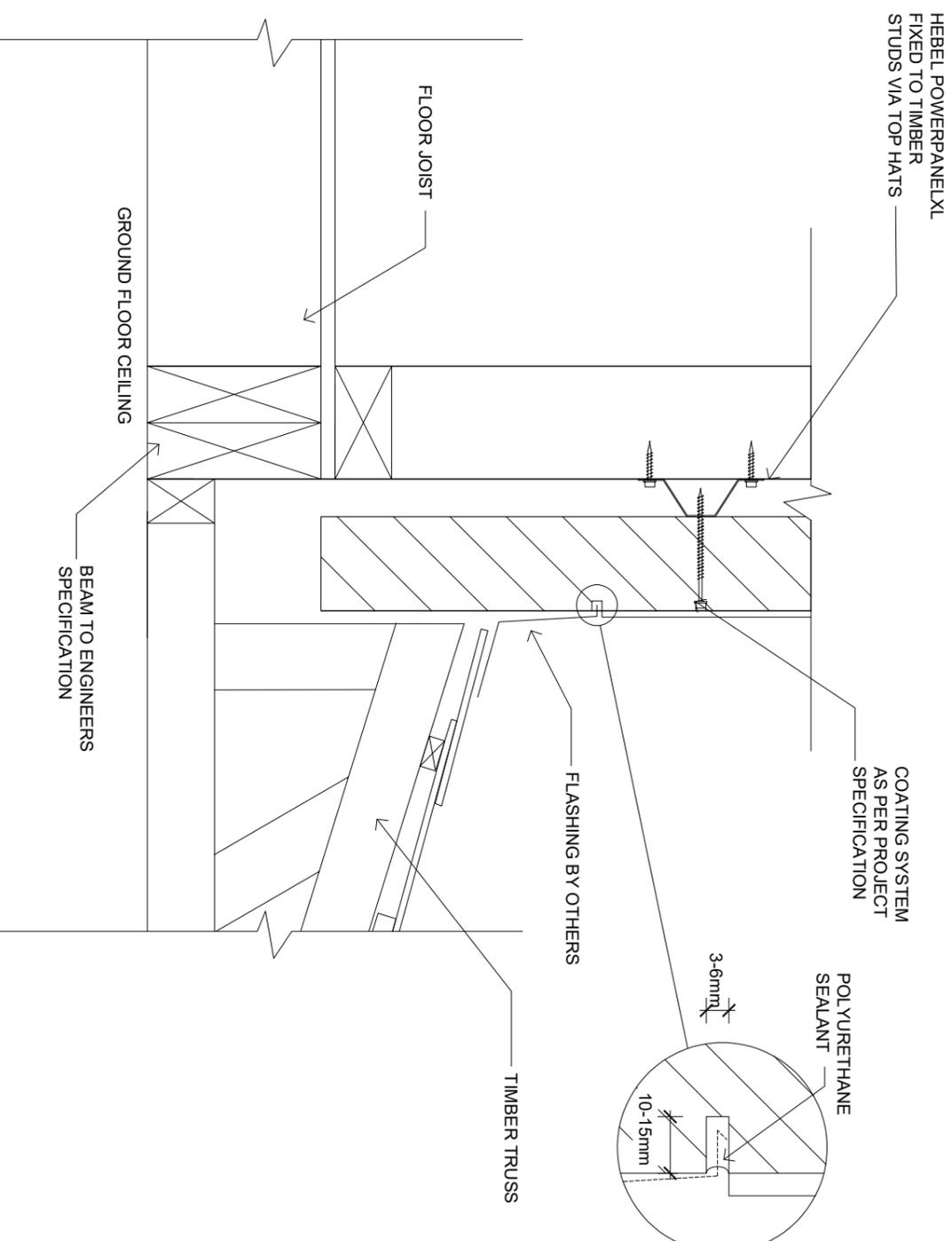
**PARAPET CAPPING**  
 SCALE 1:5



**BEAM PENETRATION DETAIL**  
 SCALE 1:5

 <b>CSR BUILDING PRODUCTS LTD</b> HEDDERLEY DRIVE & 19 BELMONT ROAD, NORTH RIVER NSW 2113 LOCKED BAG 1345, NORTH RIVER NSW 2113 A.B.N. 55 008 631 356 Ph: 1300 369 448 www.hebelaustralia.com.au		 <b>The better way to build</b> CSR Building Products Limited A.B.N. 55 008 631 356		FIGURE 3,6,6,9 & 3,6,6,13	TITLE WALL JUNCTION DETAILS & SECTIONS
 <b>CSR BUILDING PRODUCTS LTD</b> HEDDERLEY DRIVE & 19 BELMONT ROAD, NORTH RIVER NSW 2113 LOCKED BAG 1345, NORTH RIVER NSW 2113 A.B.N. 55 008 631 356 Ph: 1300 369 448 www.hebelaustralia.com.au		 <b>The better way to build</b> CSR Building Products Limited A.B.N. 55 008 631 356		DESIGN GUIDE REFERENCE HELLT016APRIL 19	SCALE 1:5 @ A3
 <b>CSR BUILDING PRODUCTS LTD</b> HEDDERLEY DRIVE & 19 BELMONT ROAD, NORTH RIVER NSW 2113 LOCKED BAG 1345, NORTH RIVER NSW 2113 A.B.N. 55 008 631 356 Ph: 1300 369 448 www.hebelaustralia.com.au		 <b>The better way to build</b> CSR Building Products Limited A.B.N. 55 008 631 356		SHEET SIZE A3	DRAWN HT
 <b>CSR BUILDING PRODUCTS LTD</b> HEDDERLEY DRIVE & 19 BELMONT ROAD, NORTH RIVER NSW 2113 LOCKED BAG 1345, NORTH RIVER NSW 2113 A.B.N. 55 008 631 356 Ph: 1300 369 448 www.hebelaustralia.com.au		 <b>The better way to build</b> CSR Building Products Limited A.B.N. 55 008 631 356		SHEET NO. 3 of 5	CHECK ZK
 <b>CSR BUILDING PRODUCTS LTD</b> HEDDERLEY DRIVE & 19 BELMONT ROAD, NORTH RIVER NSW 2113 LOCKED BAG 1345, NORTH RIVER NSW 2113 A.B.N. 55 008 631 356 Ph: 1300 369 448 www.hebelaustralia.com.au		 <b>The better way to build</b> CSR Building Products Limited A.B.N. 55 008 631 356		DATE 08.05.19	REVISION D

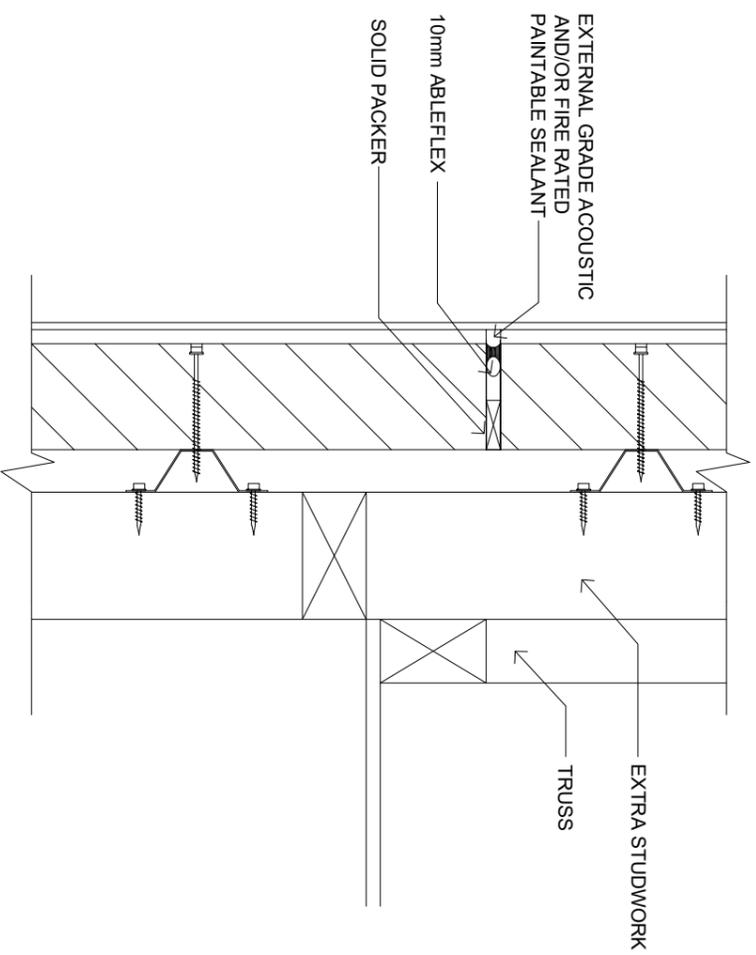
# WALL JUNCTION DETAILS & SECTIONS



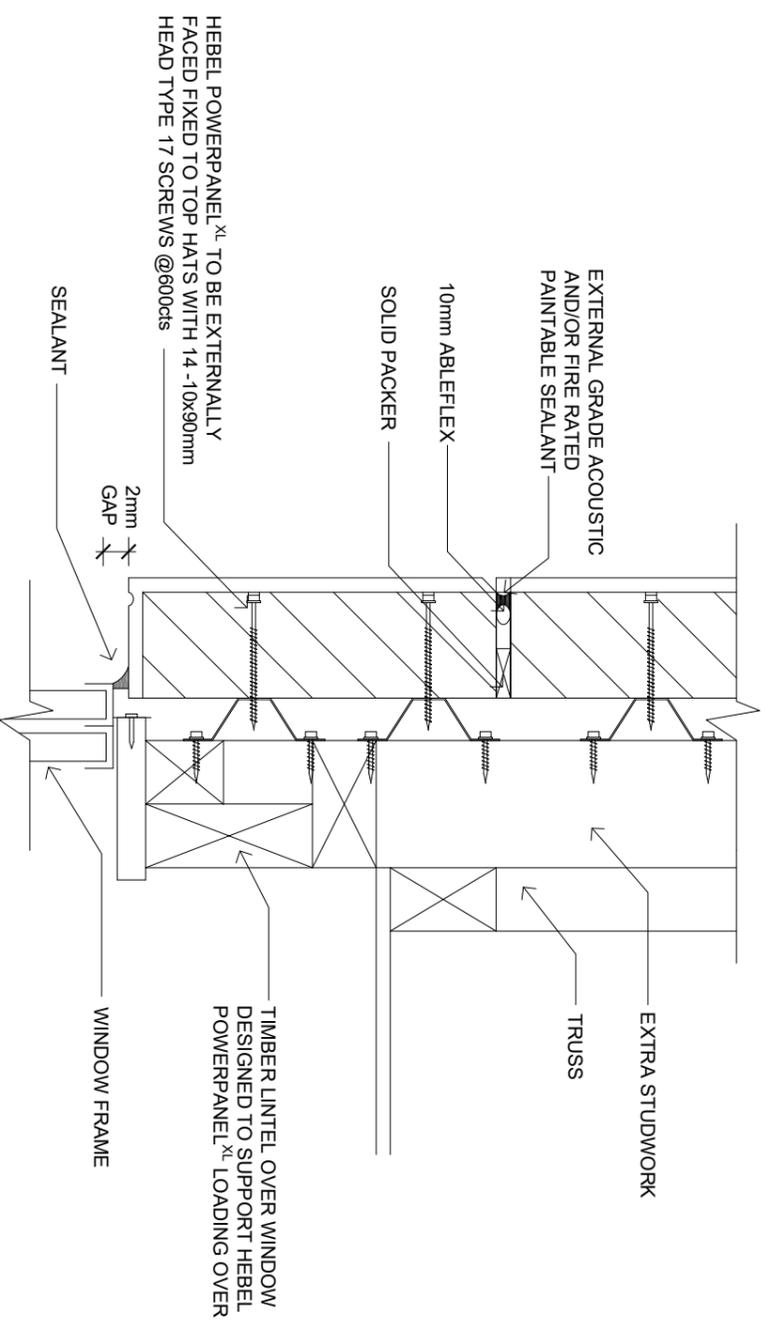
**HEBEL TO PITCHED ROOF JUNCTION**  
SCALE 1:5

 <b>CSR BUILDING PRODUCTS LTD</b> HEBEL BUILDING PRODUCTS AUSTRALIA LOCKED BAG 1346 NORTH RIVER ROAD NSW 1970 A.B.N. 55 008 831 356 Ph: 1300 369 448 www.hebelaustralia.com.au		 <b>hebel</b> The better way to build CSR Building Products Limited A.B.N. 55 008 831 356		FIGURE 3.6.6.10	TITLE WALL JUNCTION DETAILS & SECTIONS
DESIGN GUIDE REFERENCE HELLT016APRIL 19		SCALE 1:5 @ A3	SHEET SIZE A3	DRAWN HT	DATE 08.05.19
SHEET NO. 5 of 5		CHECK ZK	REVISION D		

# WALL JUNCTION DETAILS & SECTIONS



**GABLE END WALL DETAIL**  
SCALE 1:5



**GABLE END WALL DETAIL - LINTEL PANEL OVER WINDOW**  
SCALE 1:5



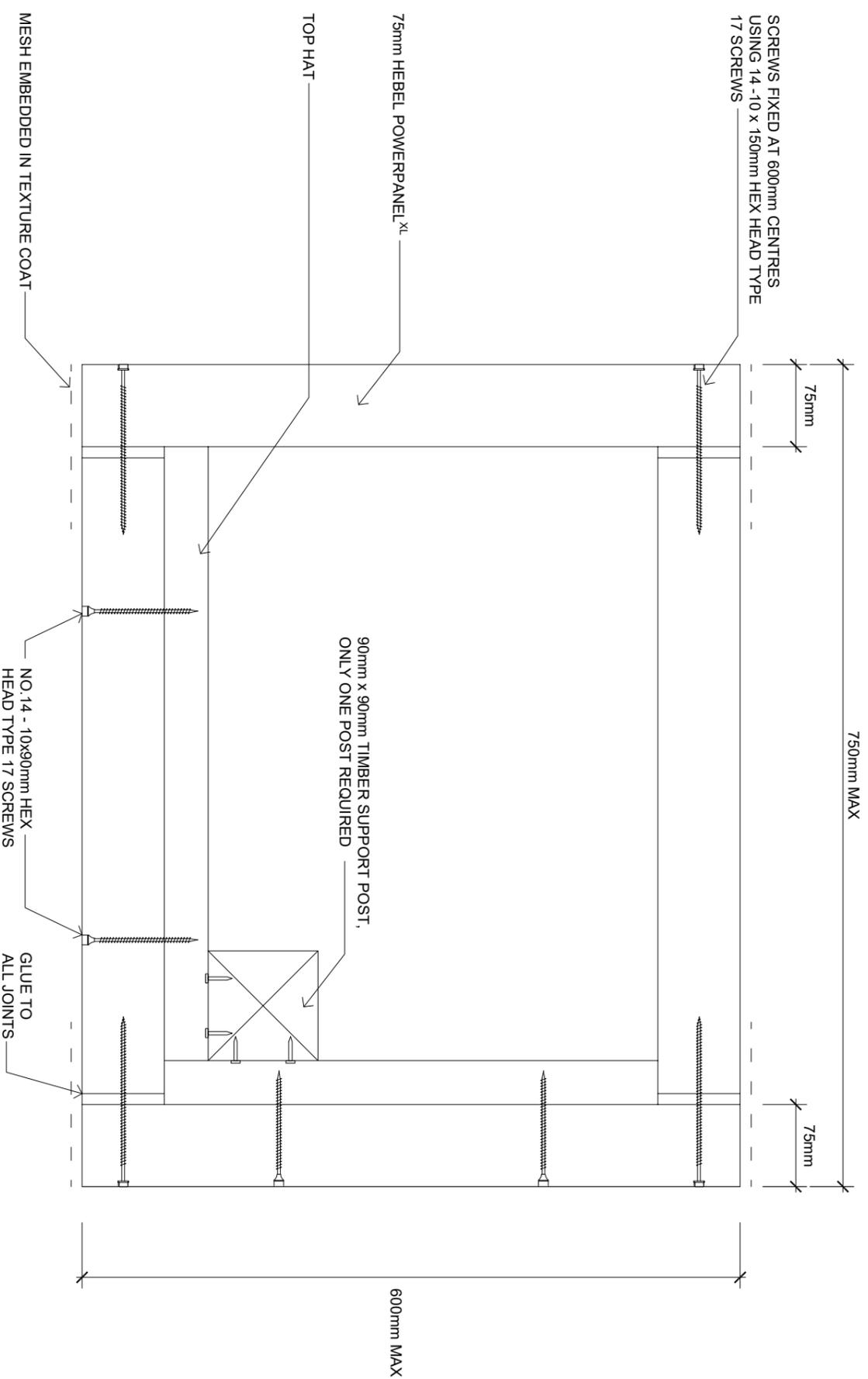
**CSR BUILDING PRODUCTS LTD**  
 HEBEL BUILDING PRODUCTS AUSTRALIA  
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 A.B.N. 55 008 631 356 Ph: 1300 369 448  
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 CSR Building Products Limited  
 A.B.N. 55 008 631 356  
 1111 Melbourne Road  
 Berridge NSW 2800  
 Ph: 02 48633300  
 Fax: 02 48633300

FIGURE		TITLE	
3.6.6.11 - 3.6.6.12	WALL JUNCTION DETAILS & SECTIONS	SCALE	DATE
DESIGN CODE REFERENCE	HELI1T016APRIL 19	1:5 @ A3	08.05.19
SHEET SIZE	A3	DRAWN	HT
SHEET NO.	4 of 5	CHECK	ZK
		REVISION	D

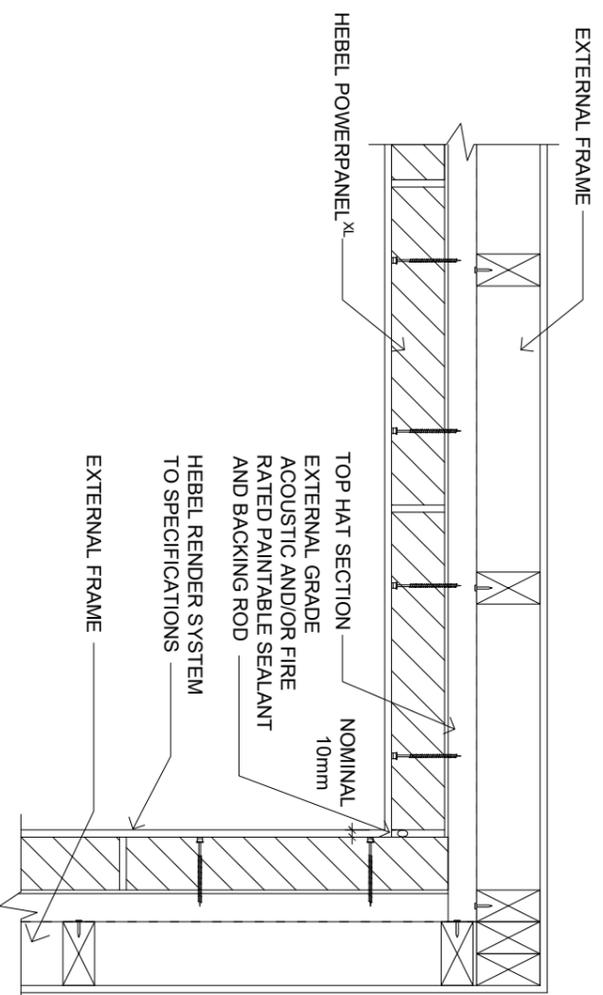
# WALL JUNCTION DETAILS & SECTIONS



**COLUMN DETAIL (GLUED AND SCREWED)**  
SCALE 1:5

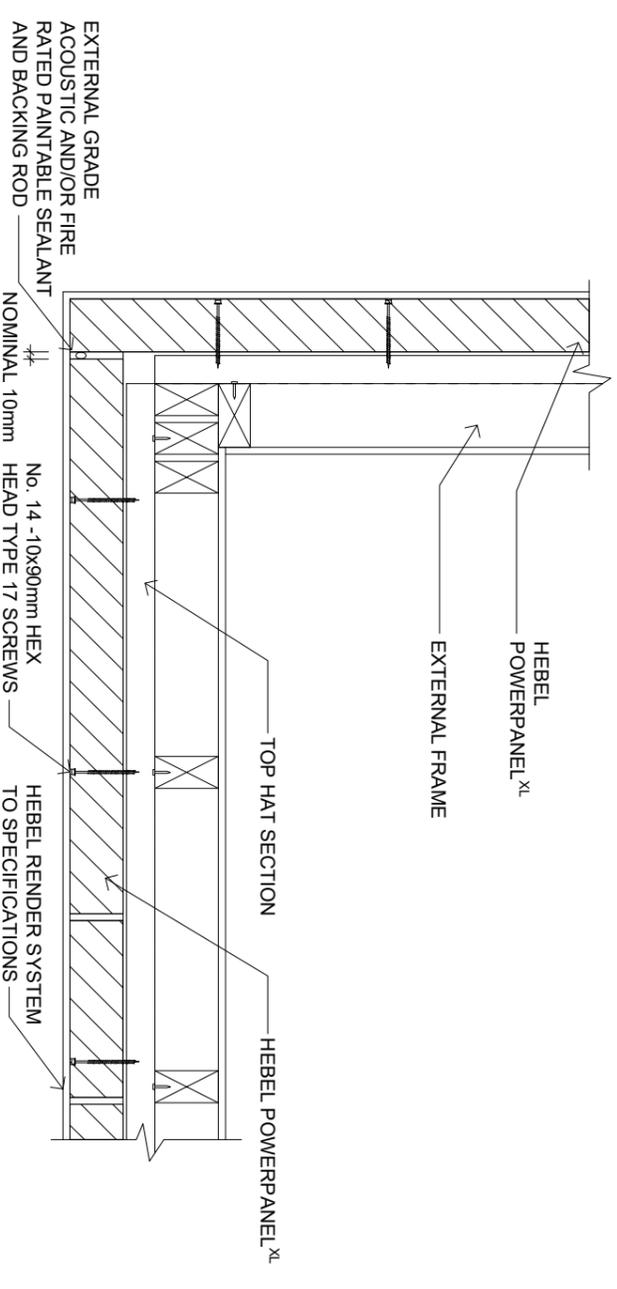
 <b>CSR BUILDING PRODUCTS LTD</b> HEBEL BUILDING PRODUCTS AUSTRALIA PTY LTD LOCKED BAG 1345 NORTH HAVESIDE NSW 1570 A.B.N. 55 008 631 356 Ph: 1300 369 448 www.hebelaustralia.com.au		 <b>The better way to build</b> CSR Building Products Limited A.B.N. 55 008 631 356	
FIGURE	3.6.6.14	TITLE	WALL JUNCTION DETAILS & SECTIONS
DESIGN GUIDE REFERENCE	HELLT016APRIL 19	SCALE	1:5 @ A3
SHEET NO.	5 of 5	DRAWN	HT
CHECK	ZK	DATE	08.05.19
REVISION	D		

## CONTROL JOINT DETAILS



**INTERNAL CORNER**  
 (ACHIEVES FRL -/120/120 WHEN INSTALLED AS PART OF THE WALL SYSTEM. SEE SECTION 2.2 OF HEBEL POWERPANEL XL EXTERNAL WALLS DESIGN AND INSTALLATION GUIDE)

SCALE 1:10



**EXTERNAL CORNER**  
 (ACHIEVES FRL -/120/120 WHEN INSTALLED AS PART OF THE WALL SYSTEM. SEE SECTION 2.2 OF HEBEL POWERPANEL XL EXTERNAL WALLS DESIGN AND INSTALLATION GUIDE)

SCALE 1:10



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 HEBEL BUILDING SYSTEMS  
 LOCKED BAG 1345 NORTH RIVER ROAD NSW 1970  
 A.B.N. 55 008 631 356 Ph: 1300 369 448  
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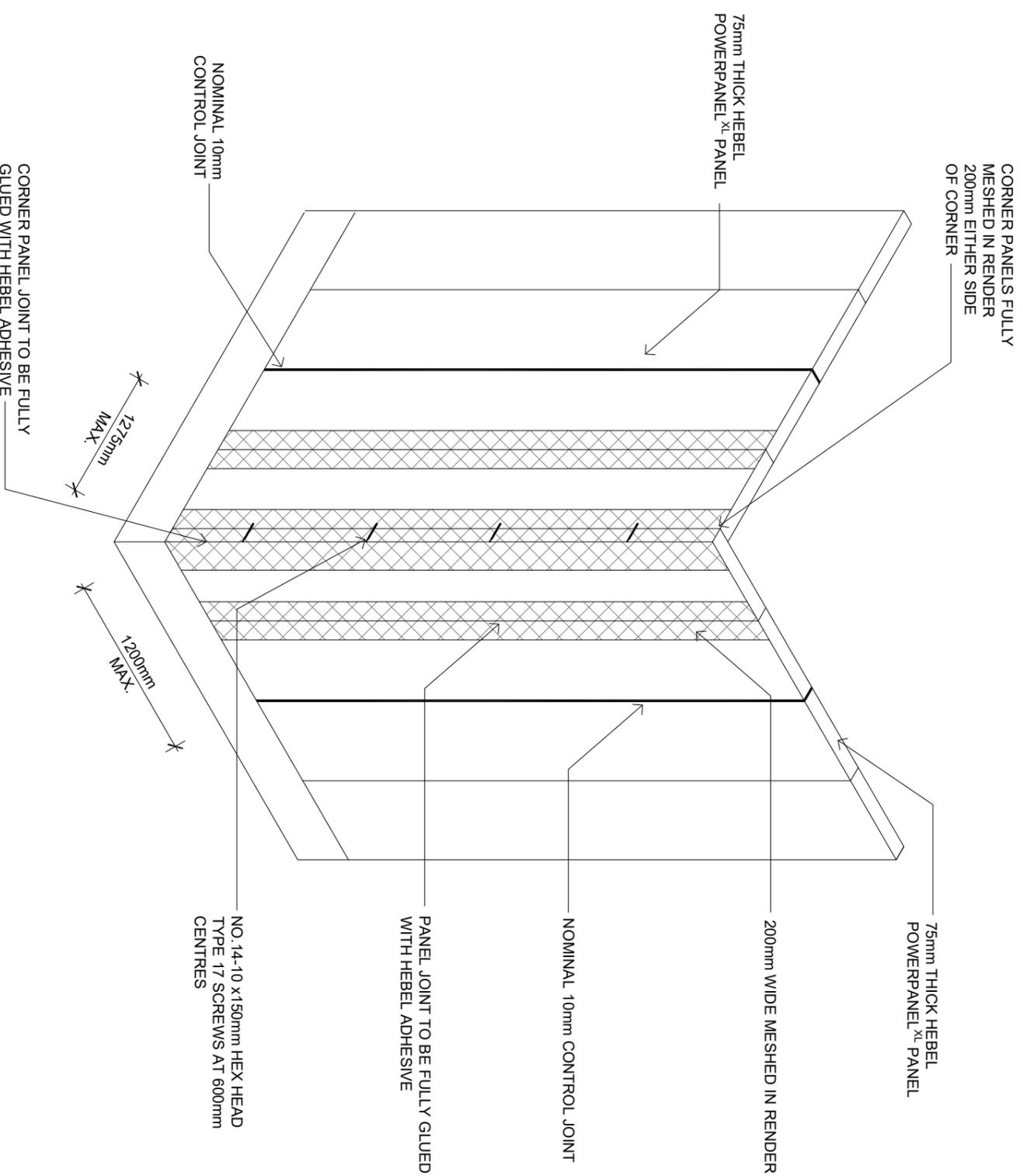
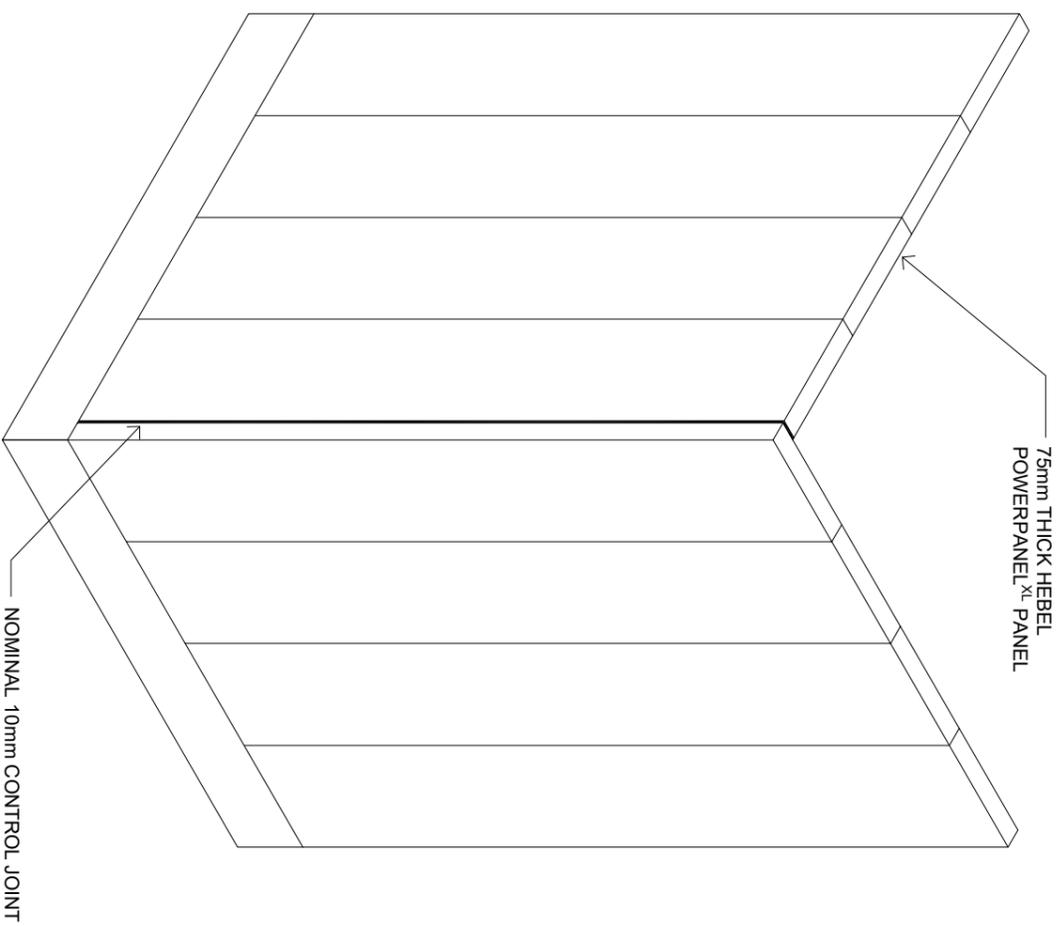


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FIGURE	TITLE	CONTROL JOINT DETAILS			
3.6.7.1 - 3.6.7.2	SCALE	SHEET SIZE	DRAWN	DATE	
DESIGN GUIDE REFERENCE	1:10 @ A3	A3	HT	08.05.19	
HELLT016APRIL19	SHEET NO	1 of 7	CHECK	REVISION	
			ZK	E	

# CONTROL JOINT DETAILS



NOTE: CONTROL JOINT TO BE LOCATED AT OPENING IF LOCATED WITHIN THIS 1200 REGION

TYPICAL DETAIL FOR CONTROL JOINTS  
POSITIONED ON CORNER  
NTS

TYPICAL DETAIL FOR CONTROL JOINTS  
POSITIONED AWAY FROM A CORNER  
NTS



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LOCKED BAG 1345, NORTH RIVER NSW 2113  
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www.hebelaustralia.com.au

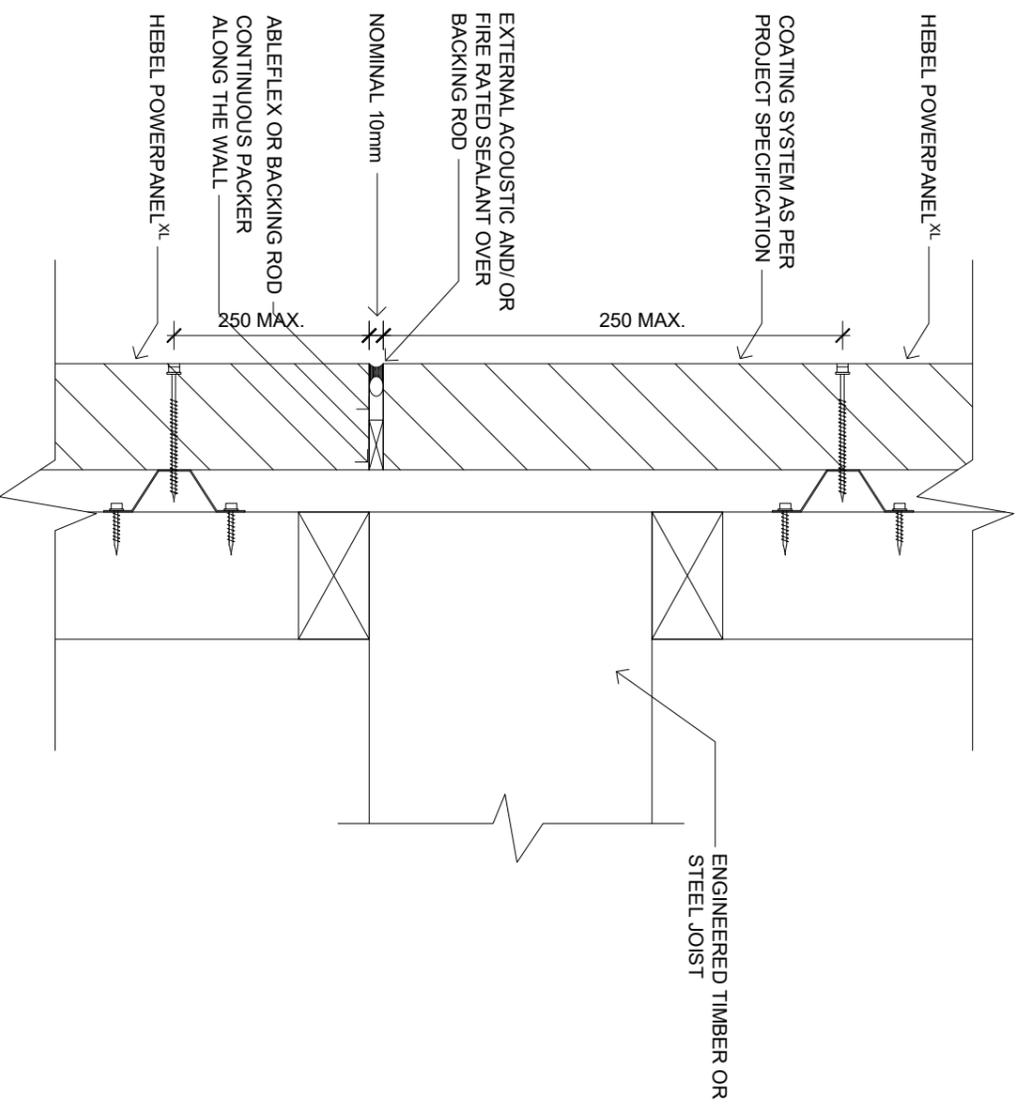


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Ph: 1300 369 448

11/11 Watermark Court Road  
Sydney NSW 2000  
Ph: 02 44033300  
Fax: 02 95812500

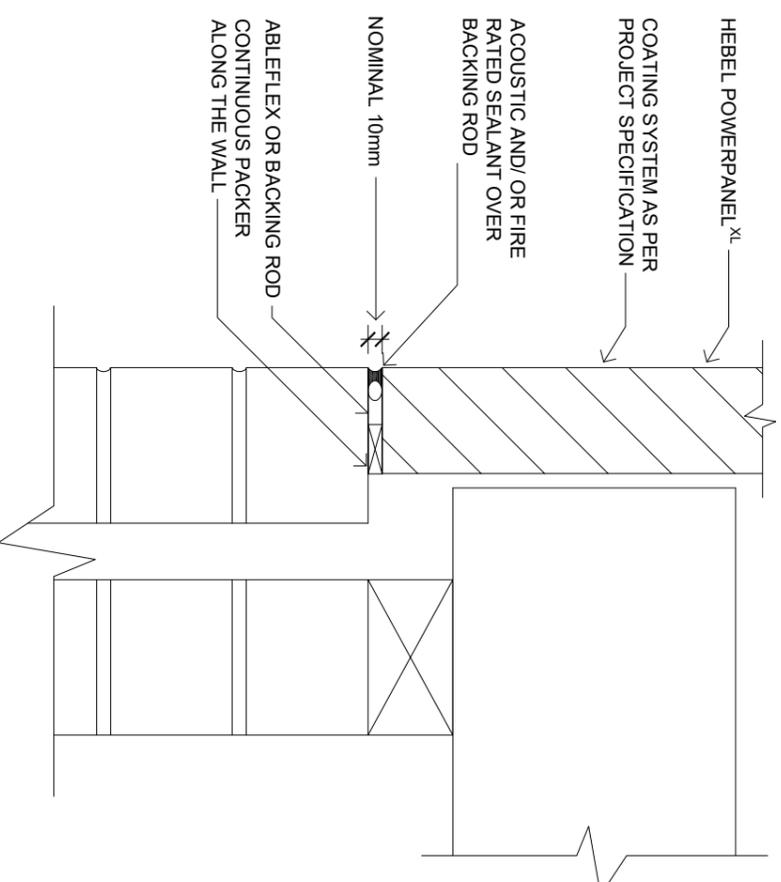
FIGURE	TITLE	SHEET SIZE	DRAWN	DATE
3.6.7.3 - 3.6.7.4	CONTROL JOINT DETAILS	A3	HT	08.05.19
DESIGN GUIDE REFERENCE	SCALE	SHEET NO.	CHECK	REVISION
HELLT016APRIL 19	NTS @ A3	2 of 7	ZK	D

## CONTROL JOINT DETAILS



**TYPICAL HORIZONTAL CONTROL JOINT -  
ENGINEERED TIMBER OR STEEL STUD FRAME  
(ACHIEVES FRL -/120/120 WHEN INSTALLED AS PART OF THE  
WALL SYSTEM. SEE SECTION 2.2 OF HEBEL POWERPANEL XL  
EXTERNAL WALLS DESIGN AND INSTALLATION GUIDE)**

SCALE 1:5



**HORIZONTAL CONTROL JOINT -  
CAVITY BRICKWORK TO HEBEL POWERPANEL XL**

SCALE 1:5



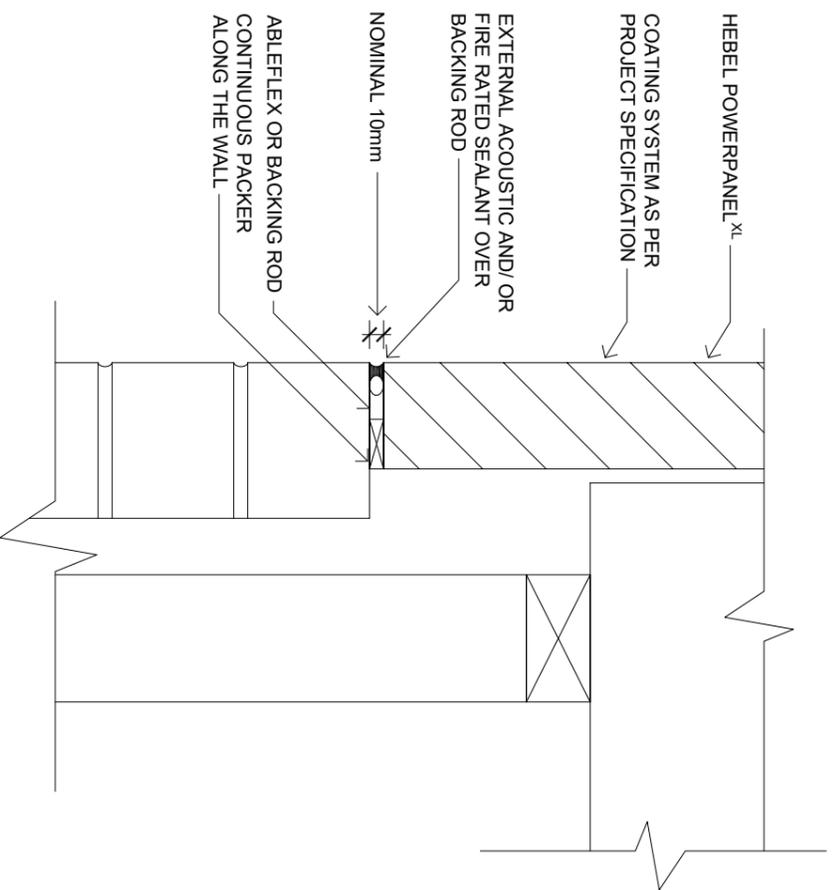
CSR BUILDING PRODUCTS LTD  
HEBEL BUILDING PRODUCTS AUSTRALIA PTY LTD  
LOCKED BAG 1345 NORTH HAVESIDE NSW 1570  
A.B.N. 55 008 631 356 Ph: 1300 369 448  
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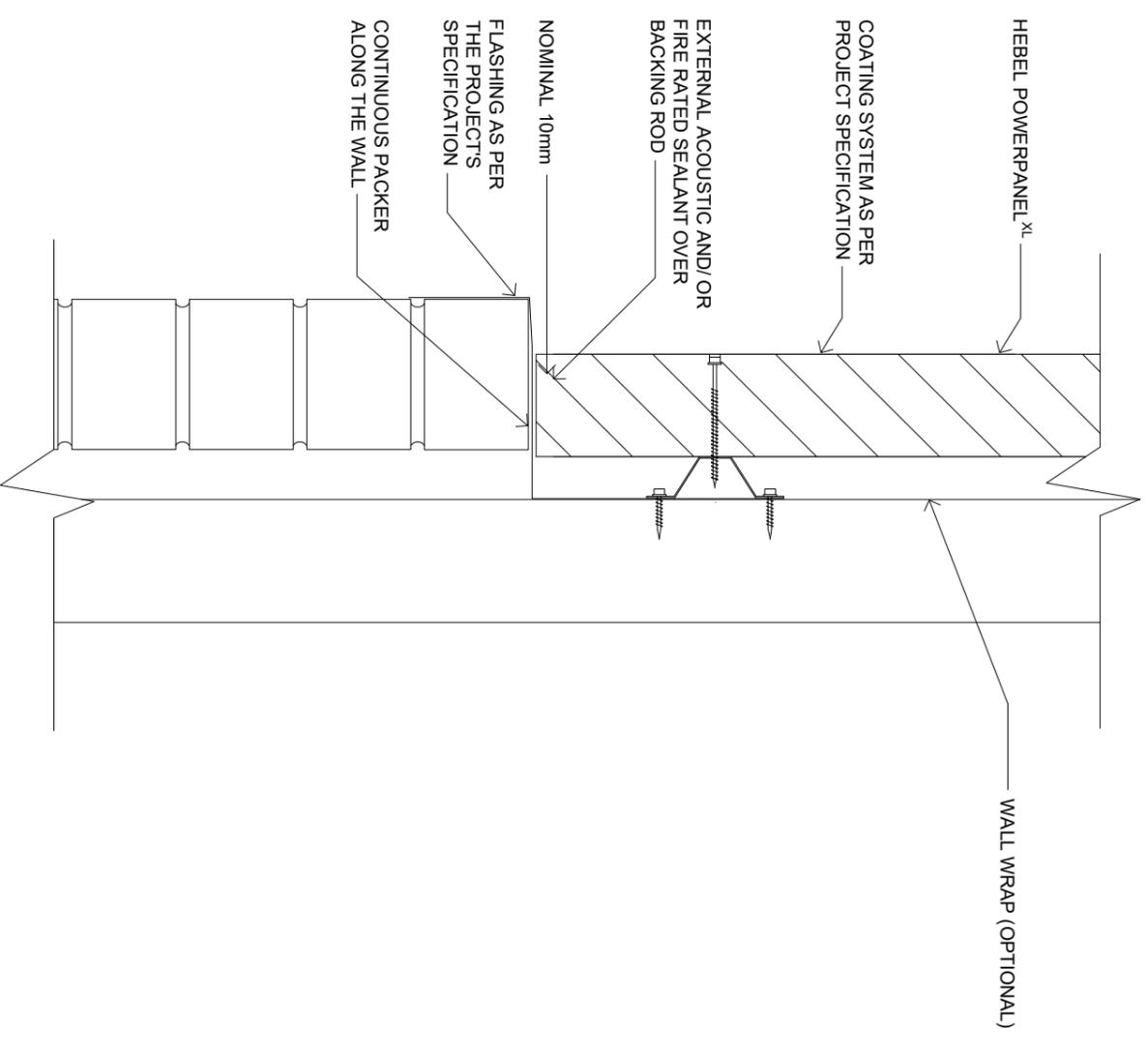
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1111 Melbourne Road  
Brimley NSW 2100  
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Fax: 02 46033300

FIGURE	TITLE	SHEET SIZE	DRAWN	DATE
3.6.7.5 - 3.6.7.6	CONTROL JOINT DETAILS	A3	HT	08.05.19
DESIGN GUIDE REFERENCE	SCALE	SHEET NO.	CHECK	REVISION
HELLT016APRIL19	1:5 @ A3	3 of 7	ZK	E

# CONTROL JOINT DETAILS



**HORIZONTAL CONTROL JOINT -  
BRICK VENEER TO HEBEL POWERPANEL XL**  
SCALE 1:5



**HORIZONTAL CONTROL JOINT -  
BRICK VENEER TO HEBEL POWERPANEL XL**  
SCALE 1:5



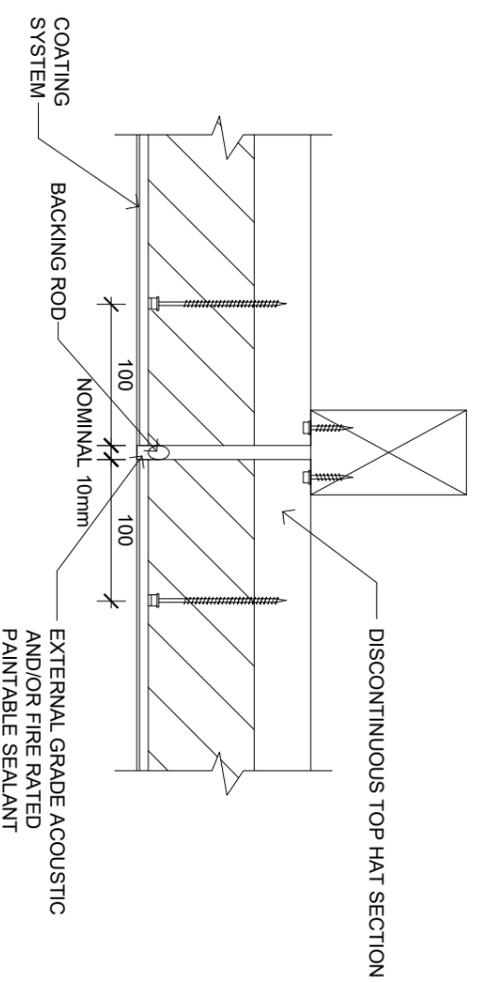
CSR BUILDING PRODUCTS LTD  
HEBEL BUILDING PRODUCTS  
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A.B.N. 55 008 631 356 Ph: 1300 369 448  
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A.B.N. 55 008 631 356  
1111 Watermark Court Road  
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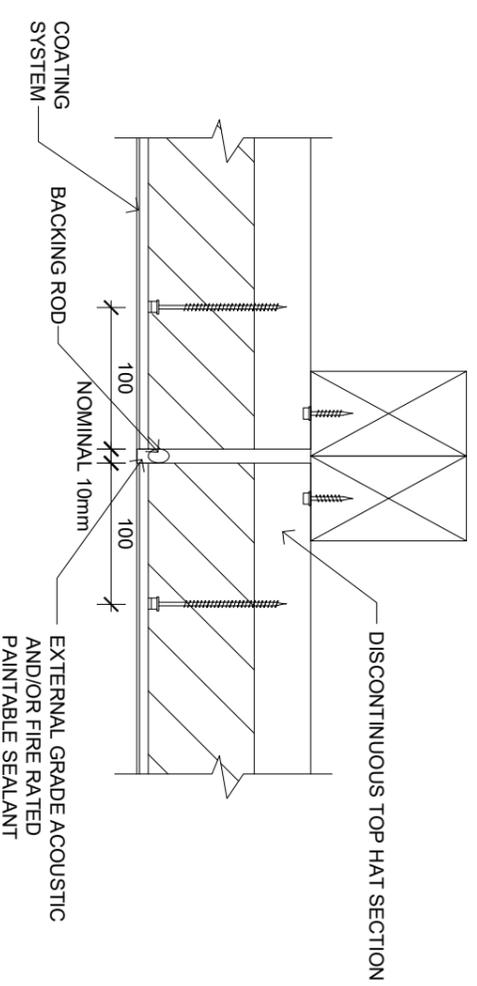
FIGURE	TITLE	CONTROL JOINT DETAILS		
3.6.7.7 - 3.6.7.8	SCALE	SHEET SIZE	DRAWN	DATE
DESIGN CODE REFERENCE	1:5 @ A3	A3	HT	08.05.19
HELLT016APRIL19		SHEET NO.	CHECK	REVISION
		4 of 7	ZK	D

## CONTROL JOINT DETAILS



**TYPICAL VERTICAL CONTROL JOINT  
(ACHIEVES FRL -/120/120 WHEN INSTALLED AS PART OF THE WALL  
SYSTEM. SEE SECTION 2.2 OF HEBEL POWERPANEL<sup>XL</sup> EXTERNAL  
WALLS DESIGN AND INSTALLATION GUIDE)**

SCALE 1:5

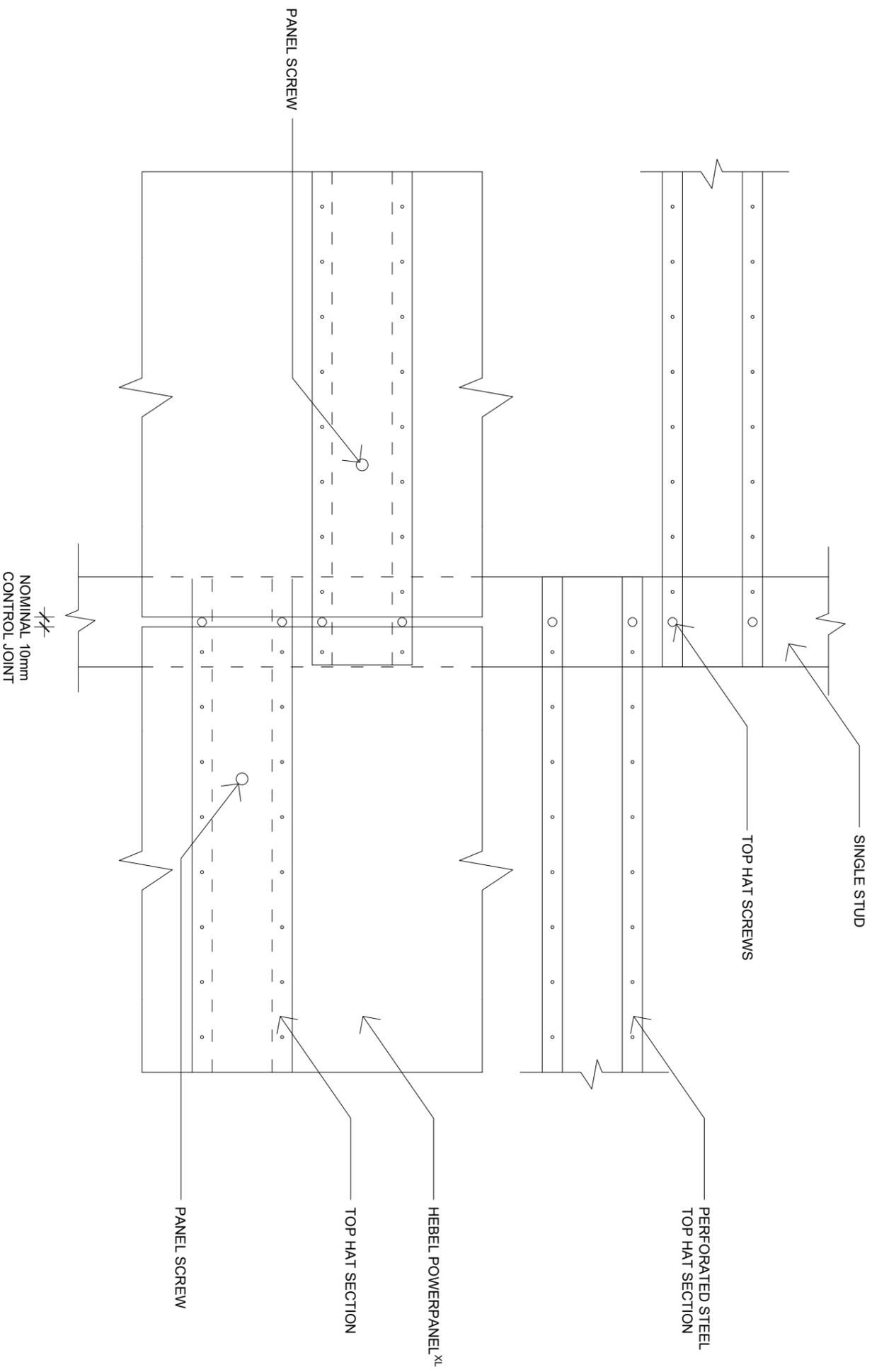


**TYPICAL VERTICAL CONTROL JOINT  
(DISCONTINUOUS TOP HAT ON A DOUBLE STUD)  
(ACHIEVES FRL -/120/120 WHEN INSTALLED AS PART OF THE  
WALL SYSTEM. SEE SECTION 2.2 OF HEBEL POWERPANEL<sup>XL</sup>  
EXTERNAL WALLS DESIGN AND INSTALLATION GUIDE)**

SCALE 1:5

 <b>CSR BUILDING PRODUCTS LTD</b> <small>HOCKEY ROAD, 519 BELMONT INDUSTRIAL          LOCKED BAG 1345, NORTH RYDE NSW 1570          A.B.N. 55 008 631 356 Ph: 1300 369 448          www.hebelaustralia.com.au</small>	 <small>CSR Building Products is a member          of the hebel Group</small>	FIGURE <b>3.6.7.9 - 3.6.7.10</b>	TITLE <b>CONTROL JOINT DETAILS</b>
<small>DESIGN GUIDE REFERENCE</small> <b>HELLT016APRIL19</b>	<small>SCALE</small> <b>1:5 @ A3</b>	<small>SHEET SIZE</small> <b>A3</b>	<small>DRAWN</small> <b>HT</b>
<small>SHEET NO.</small> <b>5 of 7</b>	<small>CHECK</small> <b>ZK</b>	<small>DATE</small> <b>08.05.19</b>	<small>REVISION</small> <b>E</b>

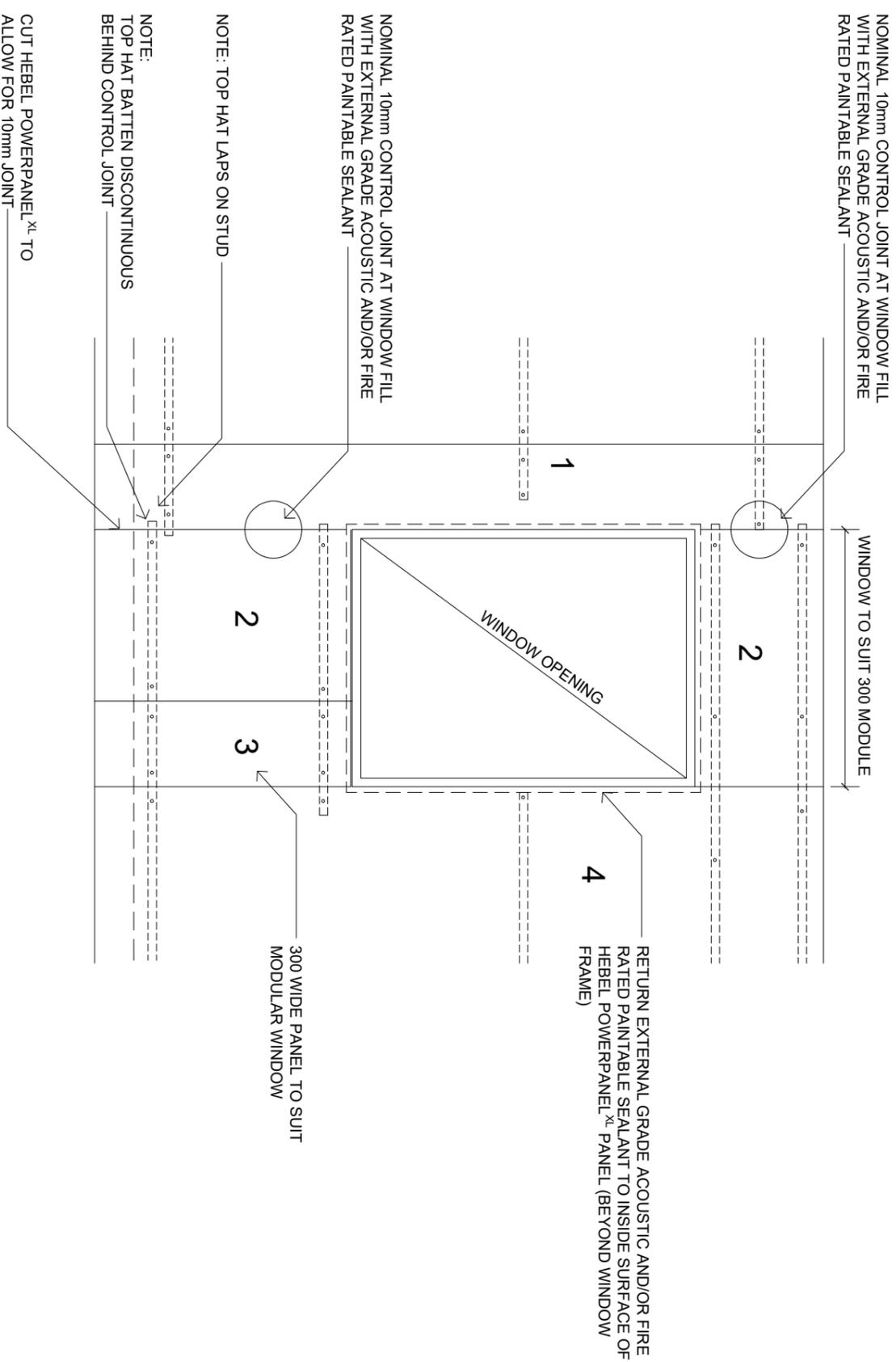
# CONTROL JOINT DETAILS



**DISCONTINUOUS TOP HATS ON A SINGLE STUD**  
SCALE 1:5

 <b>CSR BUILDING PRODUCTS LTD</b> HEBEL POWERPANEL XL LOCKED BAG 136, NORTH HEDGE RD, NSW 1970 A.B.N. 55 008 631 356 Ph: 1300 369 448 www.hebelaustralia.com.au	 The better way to build CSR Building Products Limited A.B.N. 50 09 01 356	FIGURE	CONTROL JOINT DETAILS	
		3.6.7.11	SCALE	SHEET SIZE
DESIGN CODE REFERENCE	1:5 @ A3	A3	HT	08.05.19
HELLT016APRL19		SHEET NO.	CHECK	REVISION
		6 of 7	ZK	D

# CONTROL JOINT DETAILS



**TYPICAL WINDOW CONTROL JOINT DETAIL - LINTEL OVER**  
SCALE 1:5

NOTE:  
1. THE INSTALLATION SEQUENCE OF THE POWERPANEL<sup>XL</sup> PANELS 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 PANEL.



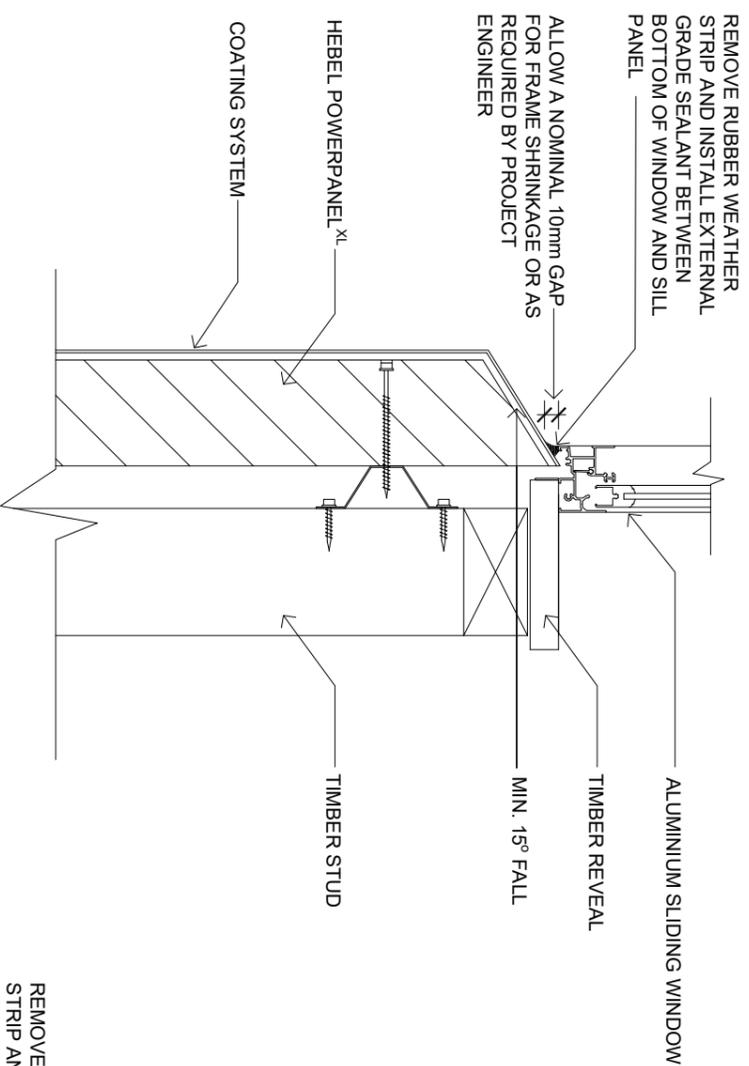
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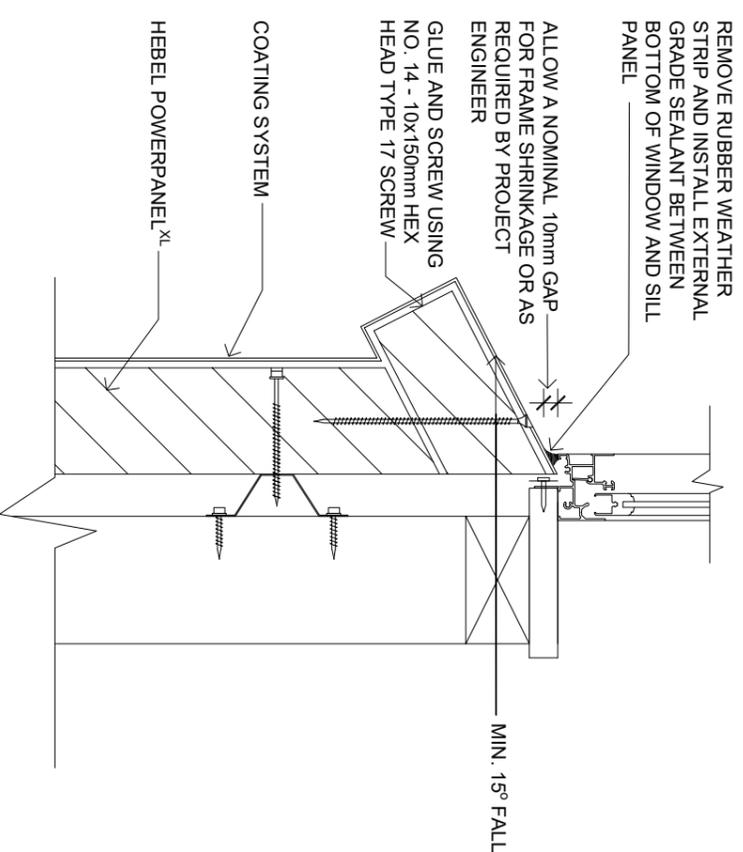
FIGURE	TITLE	SHEET SIZE	DRAWN	DATE
3.6.7.12	CONTROL JOINT DETAILS	A3	HT	08.05.19
DESIGN GUIDE REFERENCE	SCALE	SHEET NO.	CHECK	REVISION
HELT1016APR119	1:20 @ A3	7 of 7	ZK	C

## DOOR AND WINDOW DETAILS



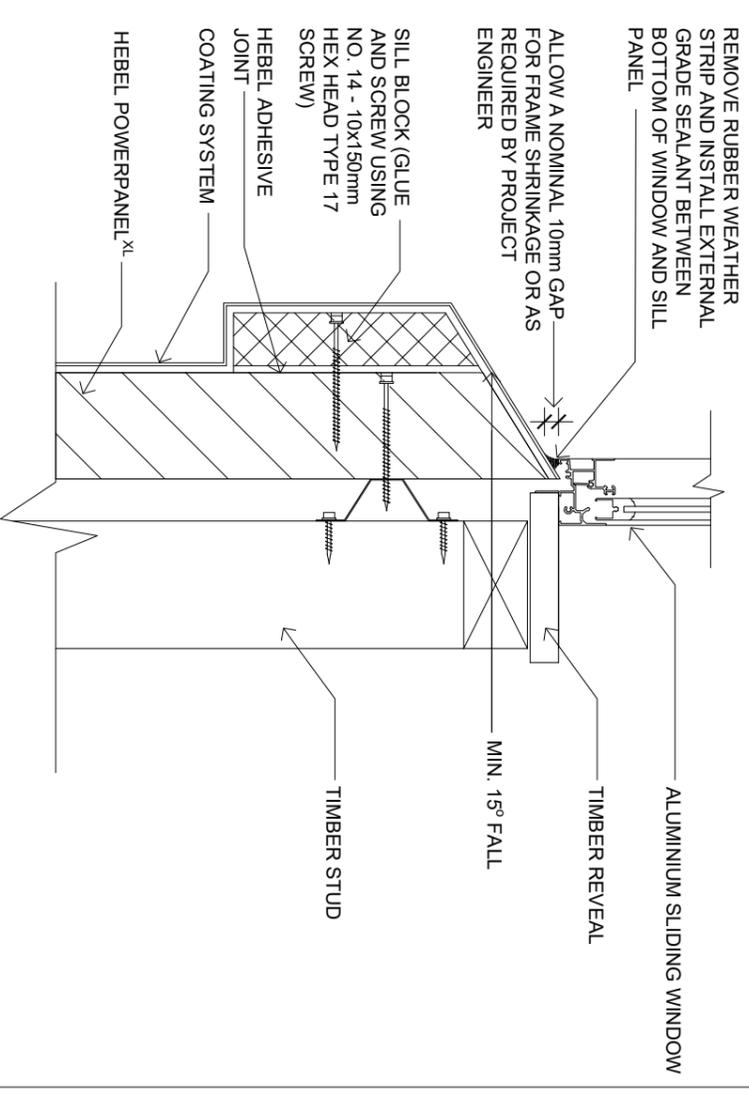
**TYPICAL WINDOW SILL DETAIL  
ALUMINIUM WINDOW FRAME -  
OPTION 1**

SCALE 1:5



**TYPICAL WINDOW SILL DETAIL  
ALUMINIUM WINDOW FRAME -  
OPTION 2**

SCALE 1:5



**TYPICAL WINDOW SILL DETAIL  
ALUMINIUM WINDOW FRAME -  
OPTION 3**

SCALE 1:5

- NOTE:
1. DRAINAGE OF WINDOW AND DOOR SILLS, IN EITHER ALUMINIUM OR TIMBER, SHOULD BE DIRECTED TO THE OUTSIDE OF THE BUILDING, ON TOP OF THE WINDOW SILL.
  2. INCLUDE SUITABLE BACKING ROD AND SEALANT FOR 5-10mm GAPS.



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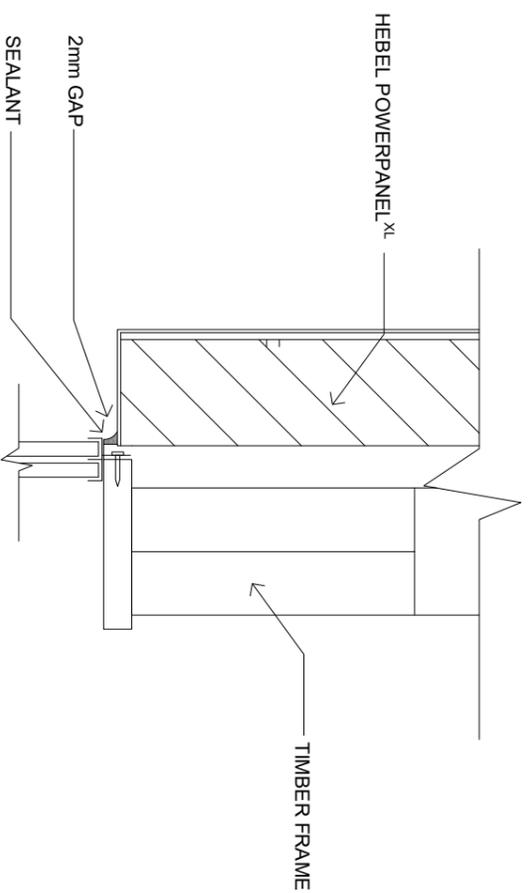


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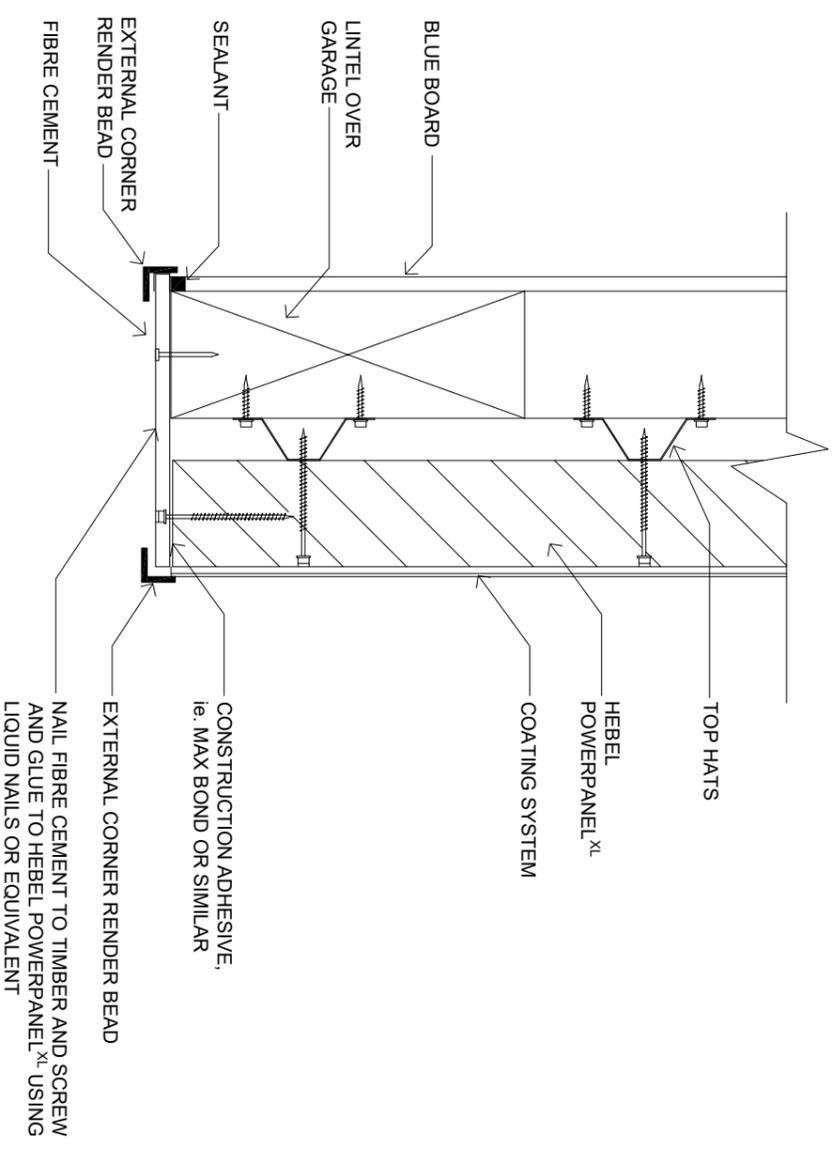
1111 Melbourne Ford Road  
 Werribee VIC 3046  
 Phone: 024 4603380  
 Fax: 024 4603380

FIGURE	TITLE	DOOR AND WINDOW DETAILS		
3.6.8.1 - 3.6.8.3	SCALE	SHEET SIZE	DRAWN	DATE
DESIGN GUIDE REFERENCE	1:5 @ A3	A3	HT	08.05.19
HELLT016APRIL19		SHEET NO	CHECK	REVISION
		1 of 4	ZK	D

# DOOR AND WINDOW DETAILS



**HEADER DETAIL**  
SCALE 1:5



**GARAGE HEAD DETAIL**  
SCALE 1:5



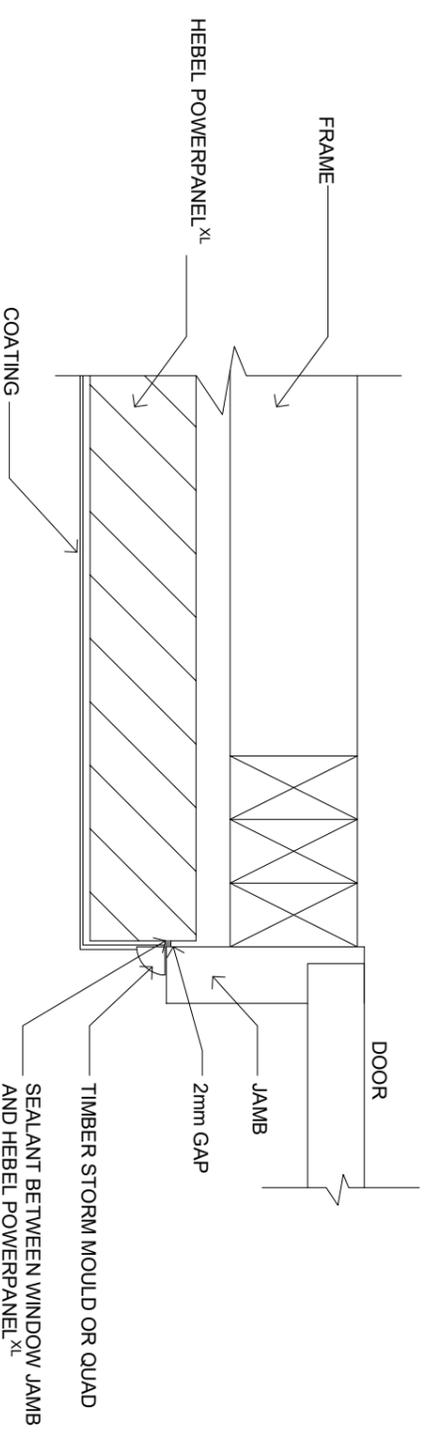
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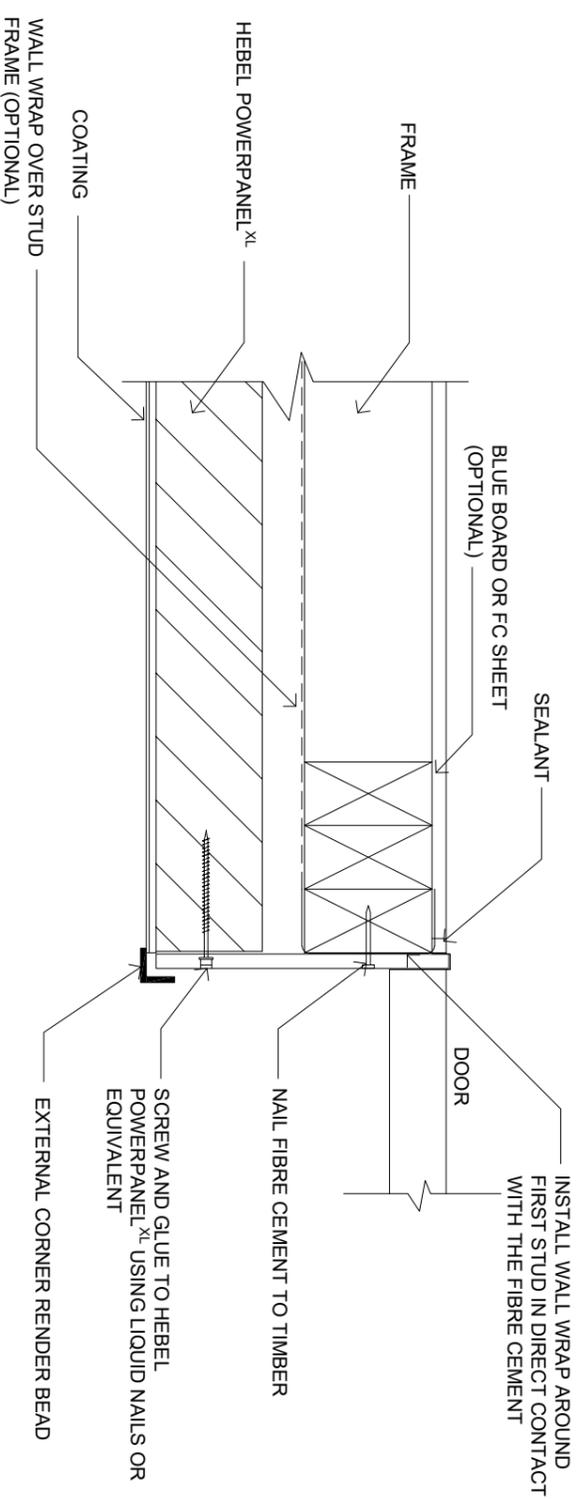
FIGURE	TITLE	DOOR AND WINDOW DETAILS		
3.6.8.4 - 3.6.8.5	SCALE	SHEET SIZE	DRAWN	DATE
DESIGN GUIDE REFERENCE	1:5 @ A3	A3	HT	08.05.19
HELLT016APRIL19	CHECK	SHEET NO	REVISION	
	ZK	2 of 4	D	

# DOOR AND WINDOW DETAILS



**GARAGE DOOR - JAMB DETAIL -  
OPTION 1**

SCALE 1:5



**GARAGE DOOR - JAMB DETAIL -  
OPTION 2**

SCALE 1:5



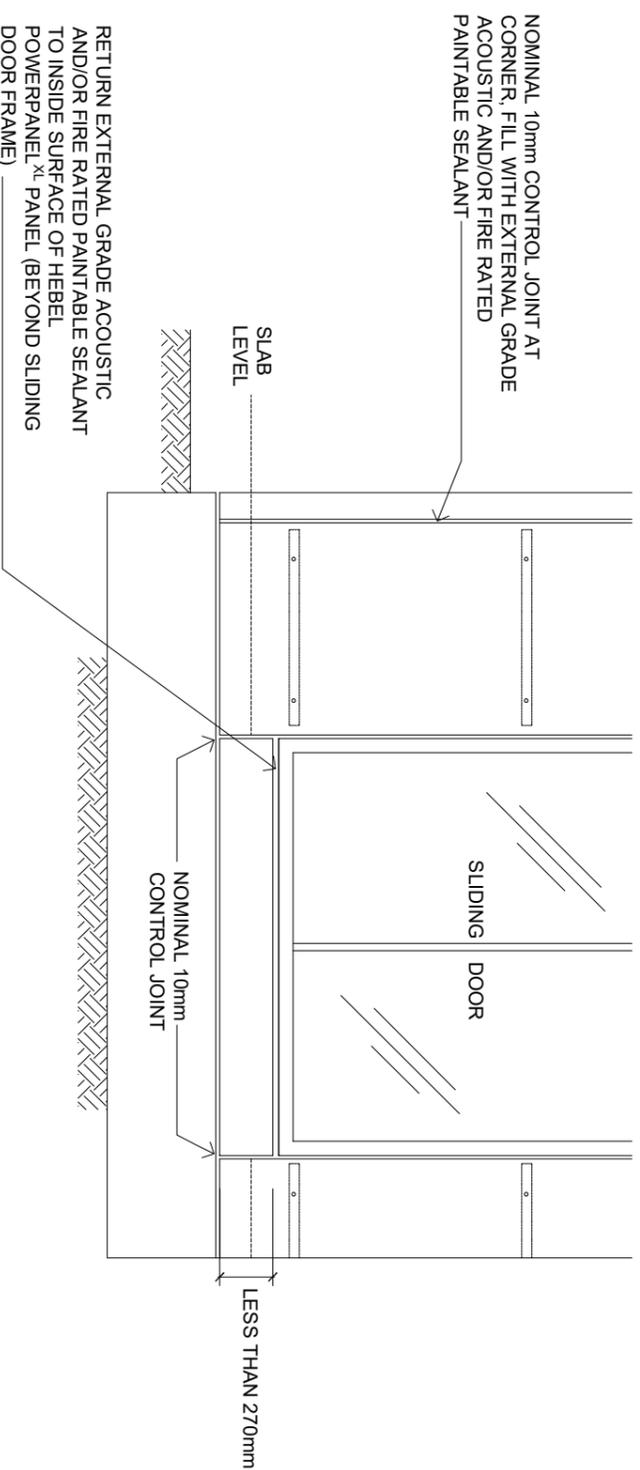
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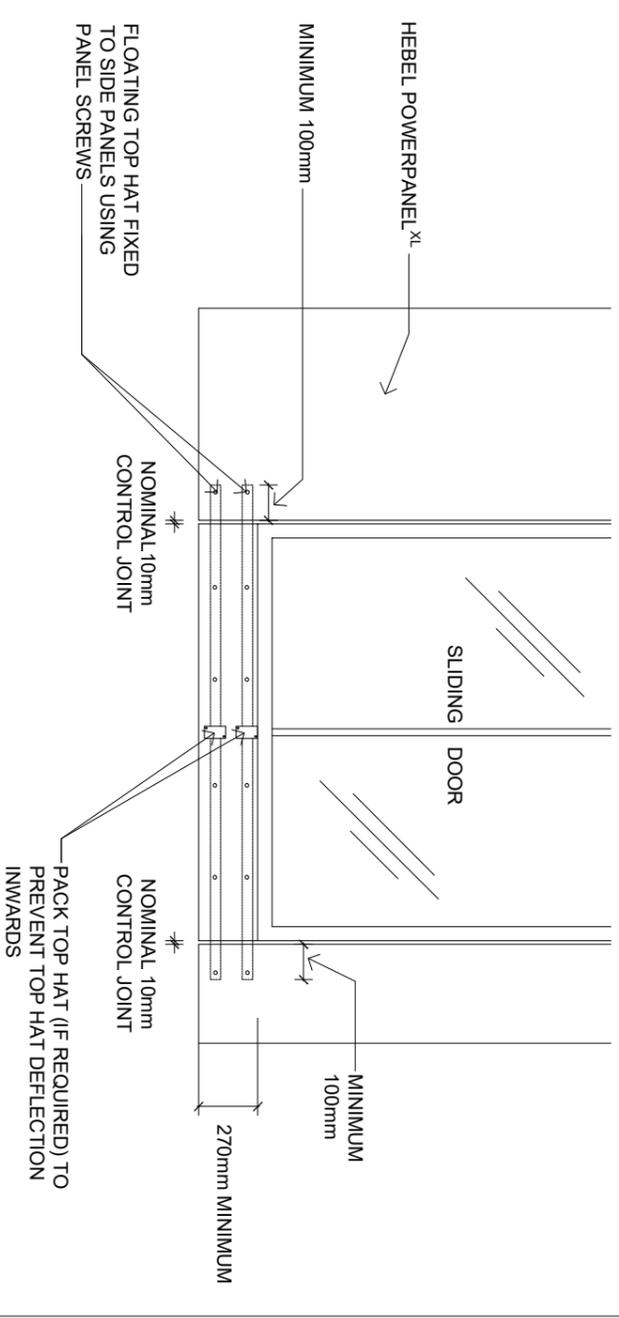
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FIGURE	3.6.8.6 - 3.6.8.7	TITLE	DOOR AND WINDOW DETAILS		
DESIGN GUIDE REFERENCE	HELLT016APRIL 19	SCALE	1:5 @ A3	SHEET SIZE	A3
				SHEET NO.	3 of 4
				DRAWN	HT
				CHECK	ZK
				DATE	08.05.19
				REVISION	D

# DOOR AND WINDOW DETAILS



**SLIDING DOOR SILL DETAIL - OPTION 1**  
**CONCRETE SILL < 270mm**  
 SCALE 1:20



**SLIDING DOOR SILL DETAIL - SECTION VIEW**  
**POWERPANEL<sup>XL</sup> SILL > 270mm**  
 SCALE 1:20



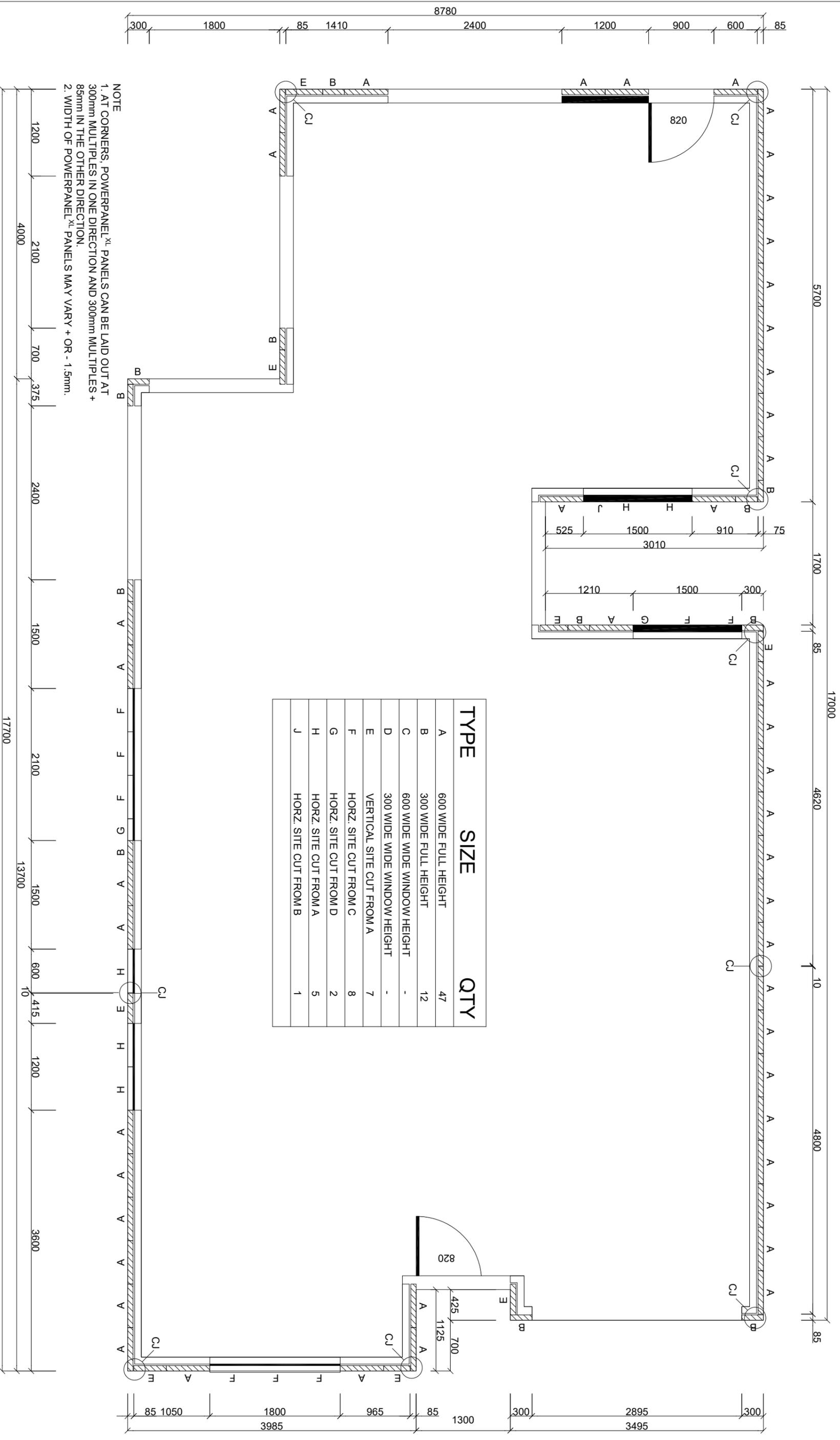
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FIGURE	TITLE	SHEET SIZE	DRAWN	DATE
3.6.8.8 - 3.6.8.9	DOOR AND WINDOW DETAILS	A3	HT	08.05.19
DESIGN GUIDE REFERENCE	SCALE	SHEET NO.	CHECK	REVISION
HELT016APRIL19	1:20 @ A3	4 of 4	ZK	D

# MISCELLANEOUS DETAILS - PANEL LAYOUT DRAWING - PLAN VIEW



## PANEL LAYOUT DRAWING - PLAN VIEW

1:50



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FIGURE	TITLE	SHEET NO.	DRAWN	DATE
3.6.9.1	TWO STOREY ADDITION DETAILS	A3	HT	08.05.19
DESIGN GUIDE REFERENCE	SCALE	SHEET NO.	CHECK	REVISION
HELI1016APRIL19	NTS @ A3	1 of 1	ZK	D