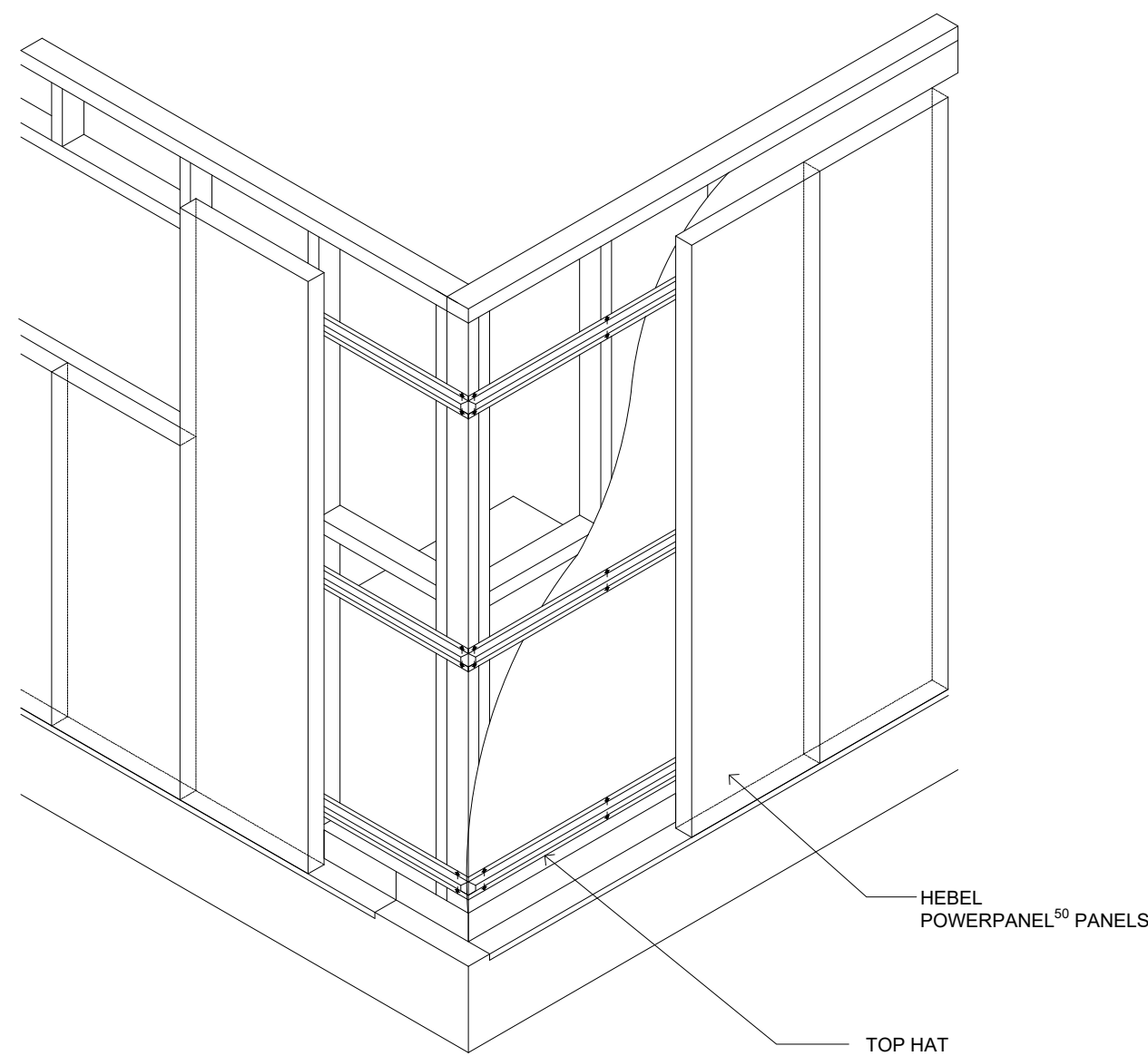
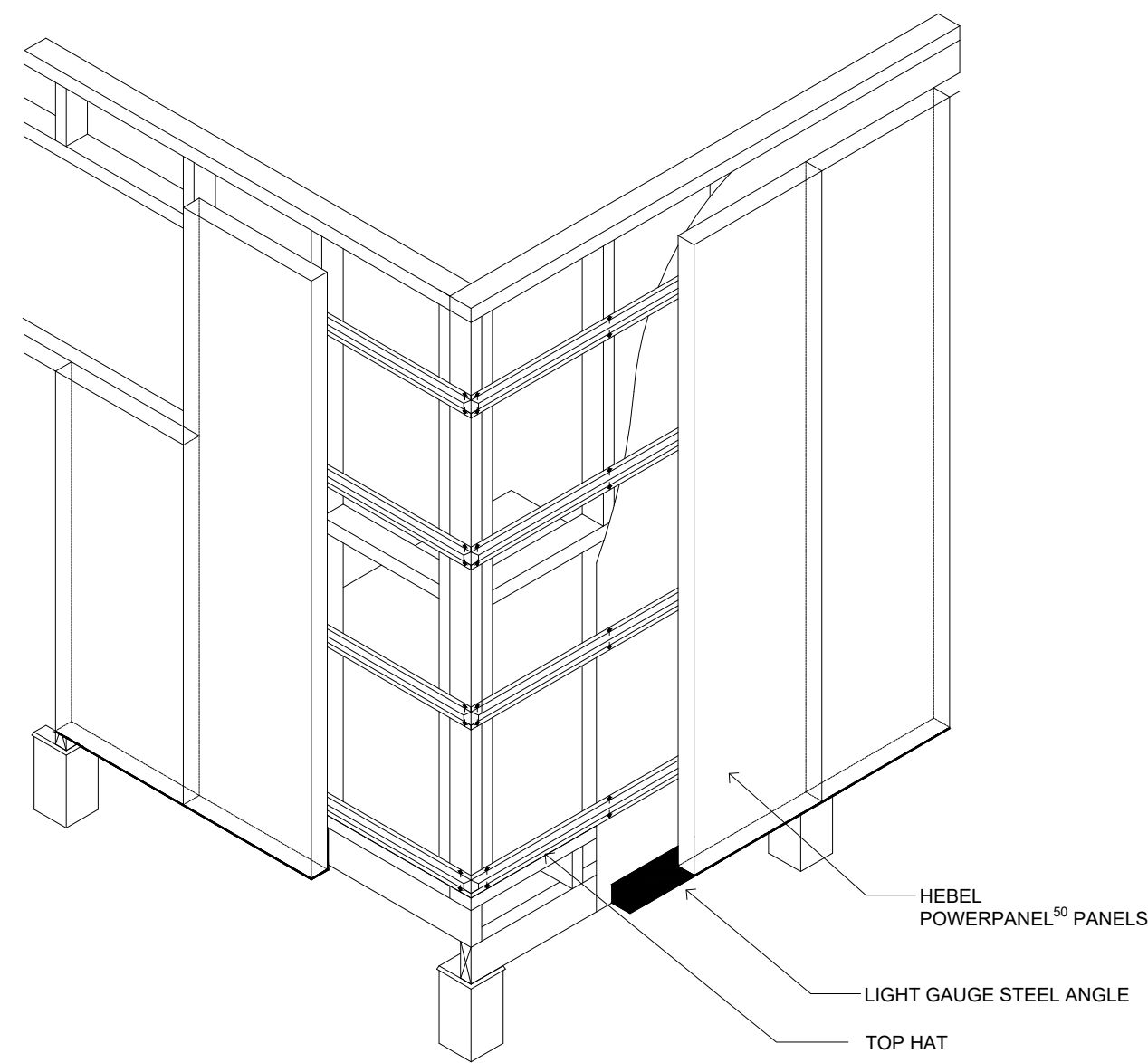


SINGLE STOREY CONSTRUCTION DETAILS
INSTALLING HEBEL POWERPANEL⁵⁰



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.



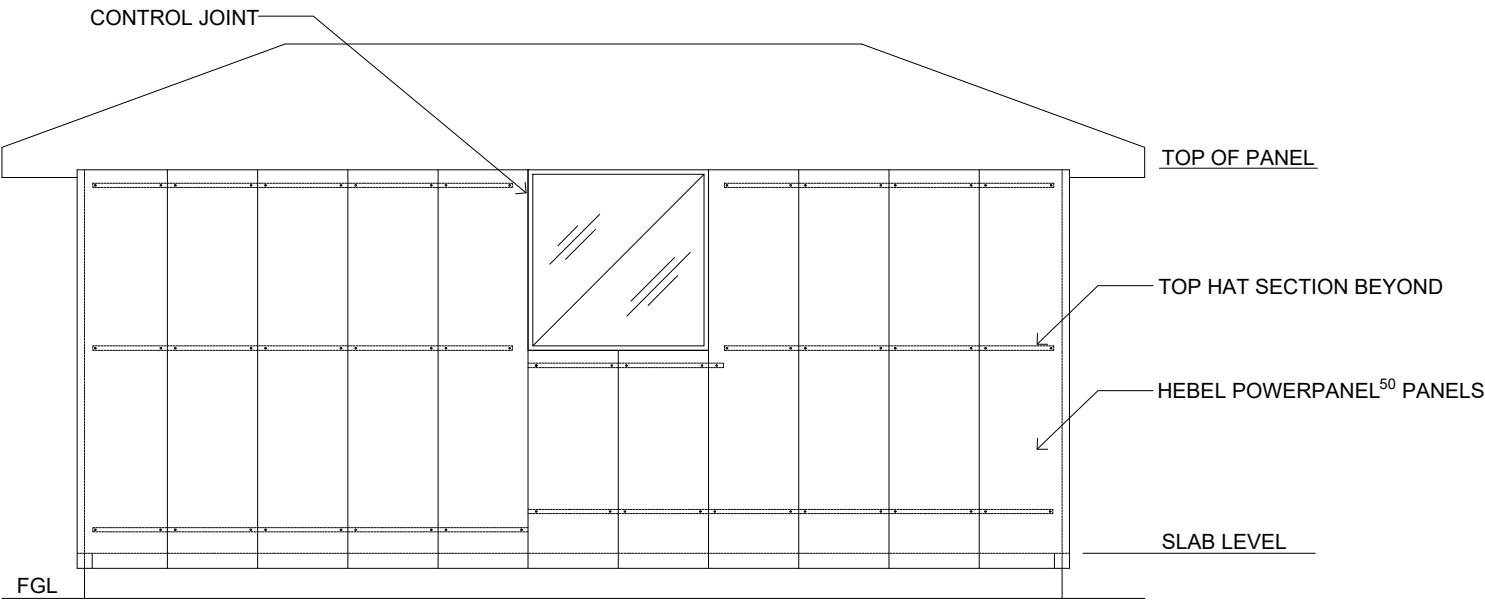
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FIGURE
3.5.1.1 - 3.5.1.2
DESIGN GUIDE REFERENCE
HELI018
OCTOBER18

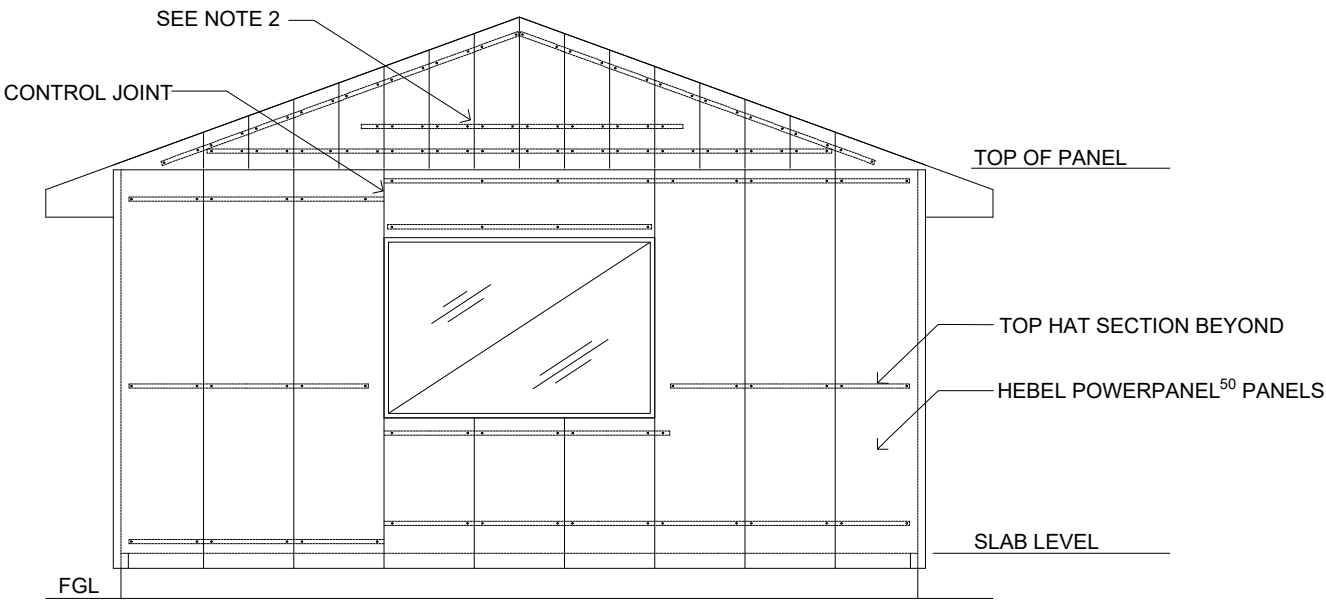
TITLE SINGLE STOREY CONSTRUCTION DETAILS			
SCALE NTS @ A3	SHEET SIZE A3	DRAWN ZK	DATE 09.10.18
	SHEET NO. 1 of 4	CHECK ZK	REVISION A

SINGLE STOREY CONSTRUCTION DETAILS
INSTALLING HEBEL POWERPANEL⁵⁰



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 1.2.3 OF HEBEL POWERPANEL⁵⁰ 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.



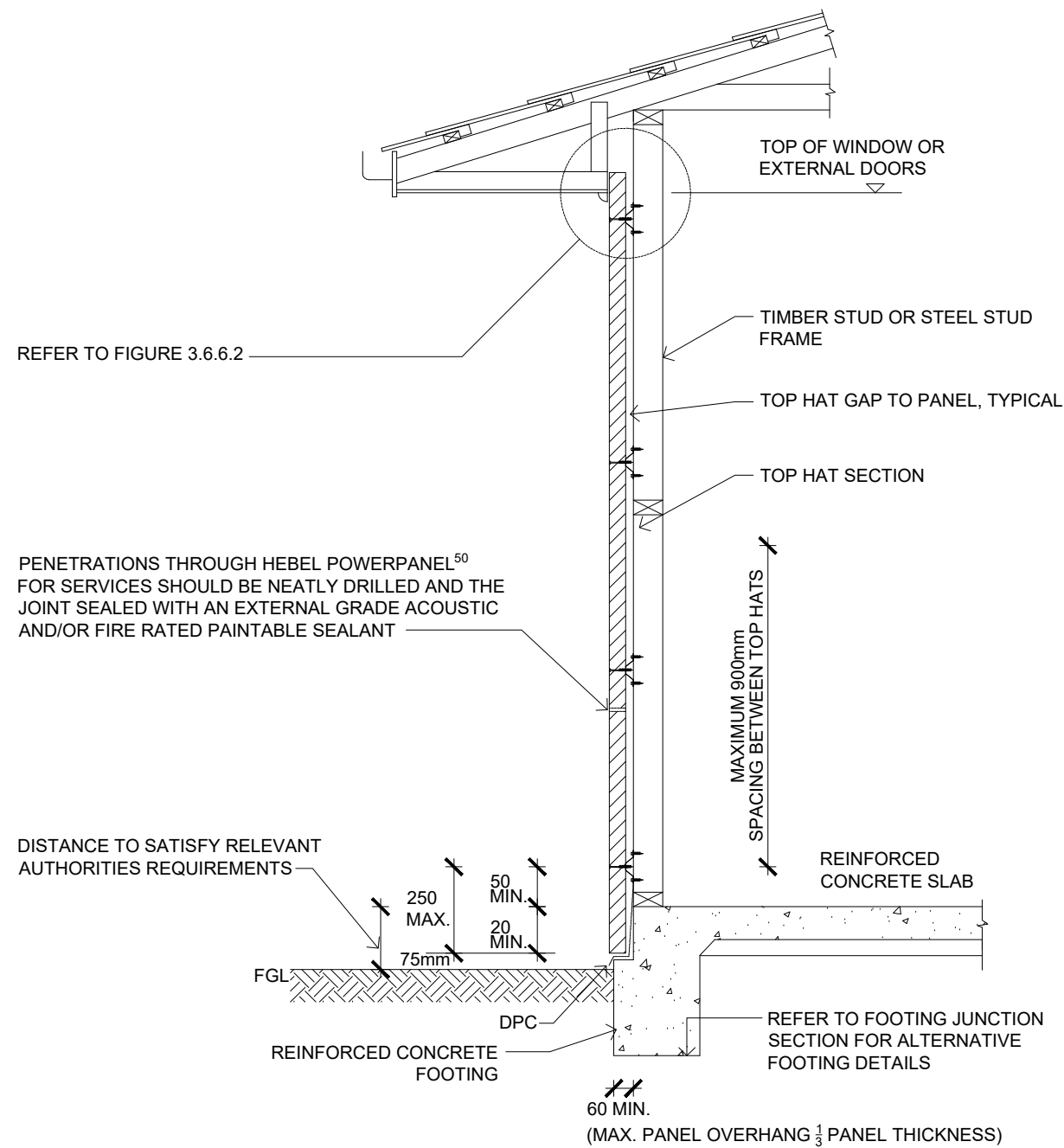
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FIGURE	TITLE			
3.5.1.3 - 3.5.1.4	SINGLE STOREY CONSTRUCTION DETAILS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
HELI018 OCTOBER18	NTS @ A3	A3	ZK	09.10.18
		SHEET NO. 2 of 4	CHECK ZK	REVISION A

SINGLE STOREY CONSTRUCTION DETAILS
INSTALLING HEBEL POWERPANEL⁵⁰



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 POWERPANEL⁵⁰ PANELS ARE SUPPORTED AT THE BASE ON CONCRETE SLAB EDGE.



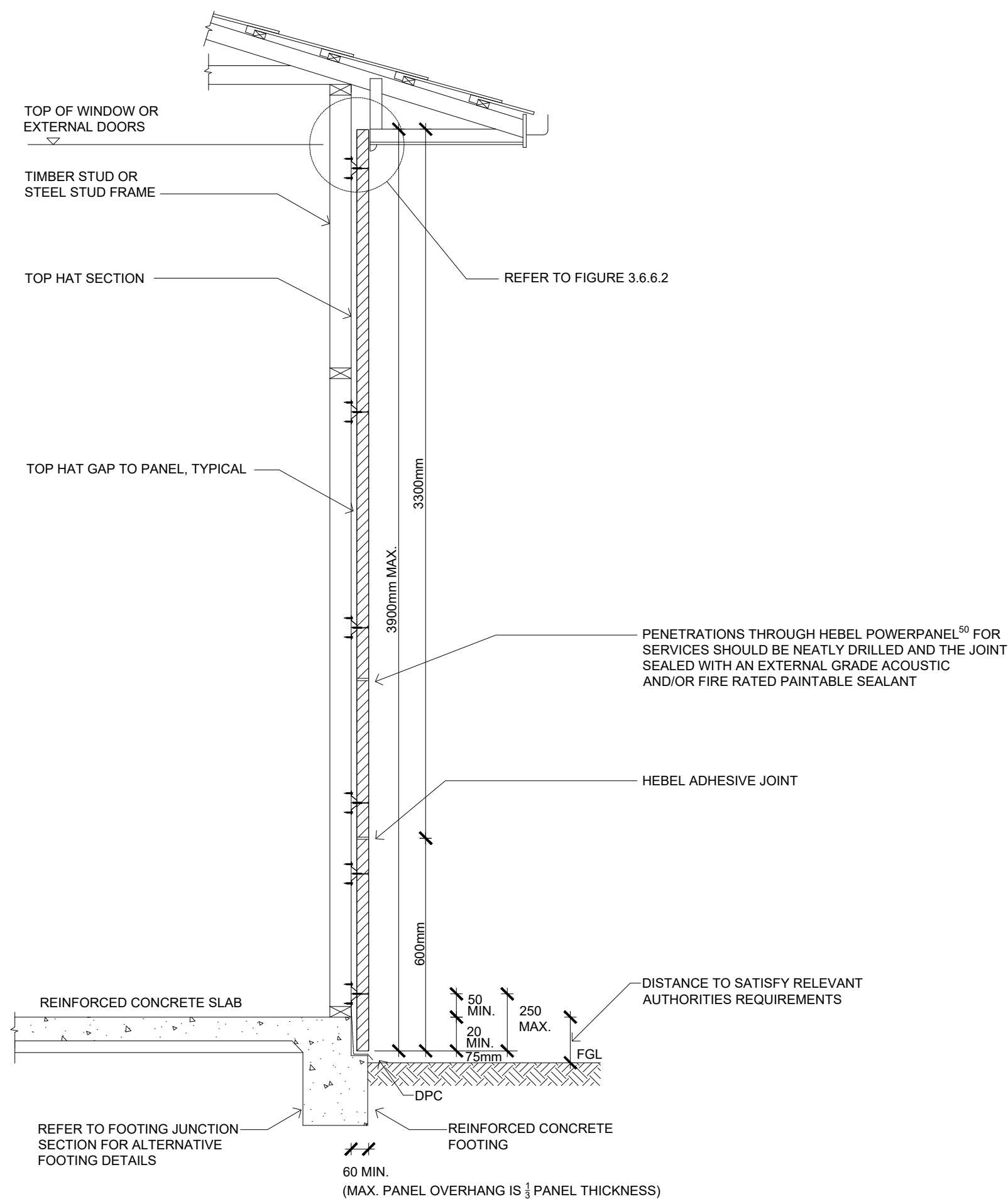
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FIGURE	TITLE			
	SINGLE STOREY CONSTRUCTION DETAILS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
HELI018 OCTOBER18	1:20 @ A3	A3	ZK	26.10.18
		SHEET NO.	CHECK	REVISION
		3 of 4	ZK	B

SINGLE STOREY CONSTRUCTION DETAILS
INSTALLING HEBEL POWERPANEL⁵⁰



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

SCALE 1:20

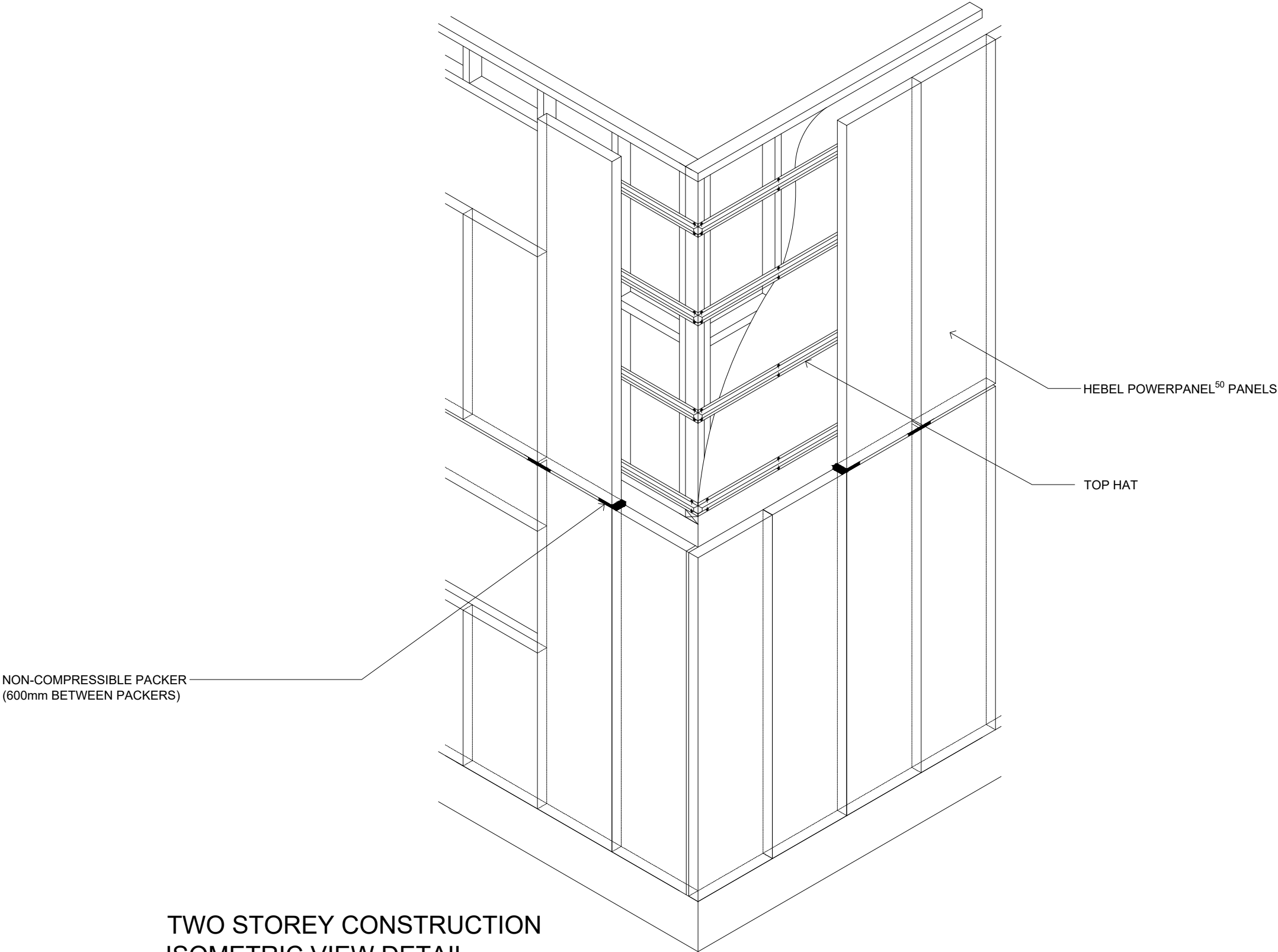
NOTE

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 POWERPANEL⁵⁰ PANELS ARE SUPPORTED AT THE BASE ON CONCRETE SLAB EDGE.

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			DESIGN GUIDE REFERENCE HELIT018 OCTOBER18	SCALE 1:20 @ A3	SHEET SIZE A3	DRAWN ZK	DATE 26.10.18
					SHEET NO. 4 of 4	CHECK ZK	REVISION B

TWO STOREY CONSTRUCTION DETAILS
INSTALLING HEBEL POWERPANE⁵⁰



TWO STOREY CONSTRUCTION
ISOMETRIC VIEW DETAIL
NTS



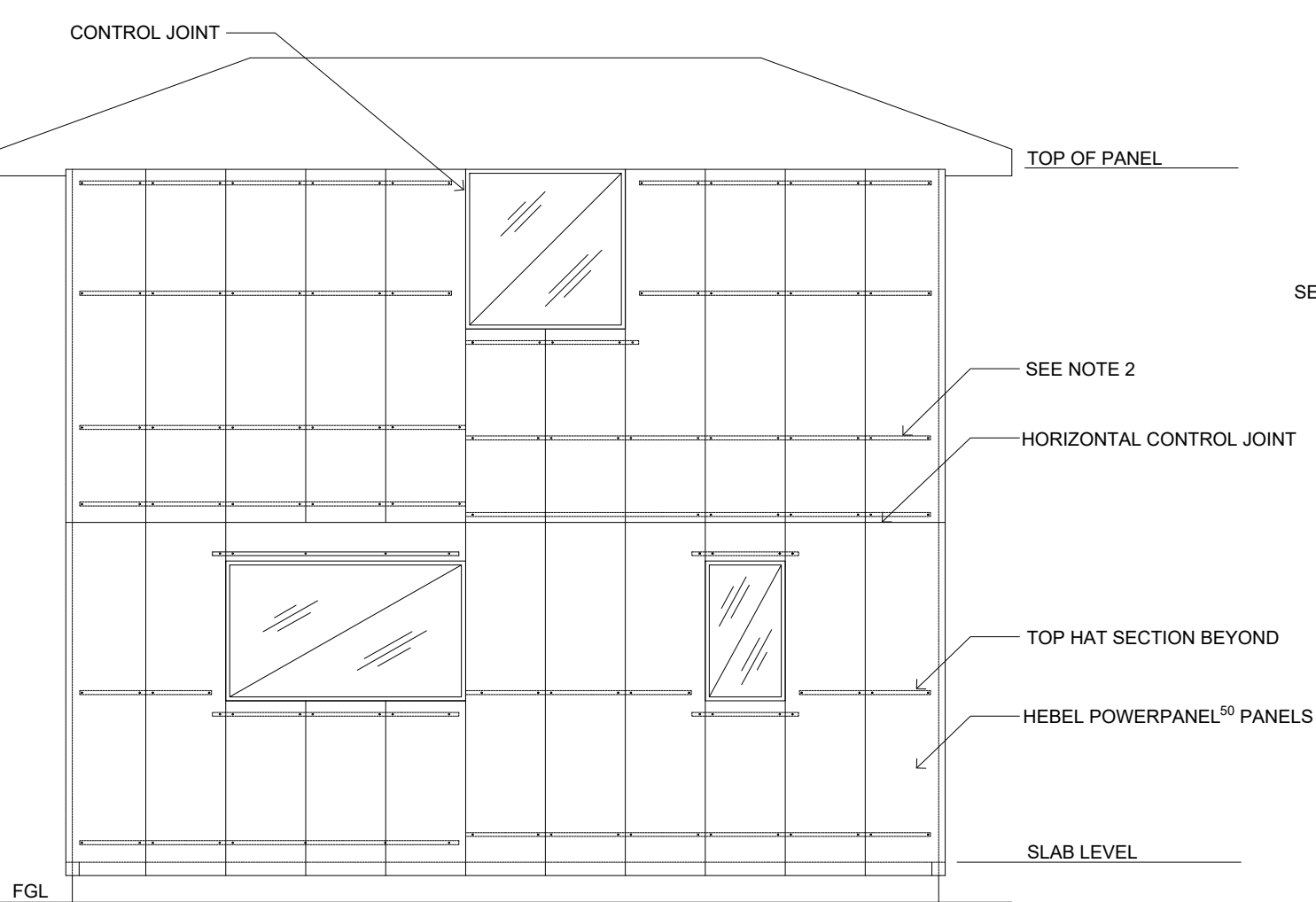
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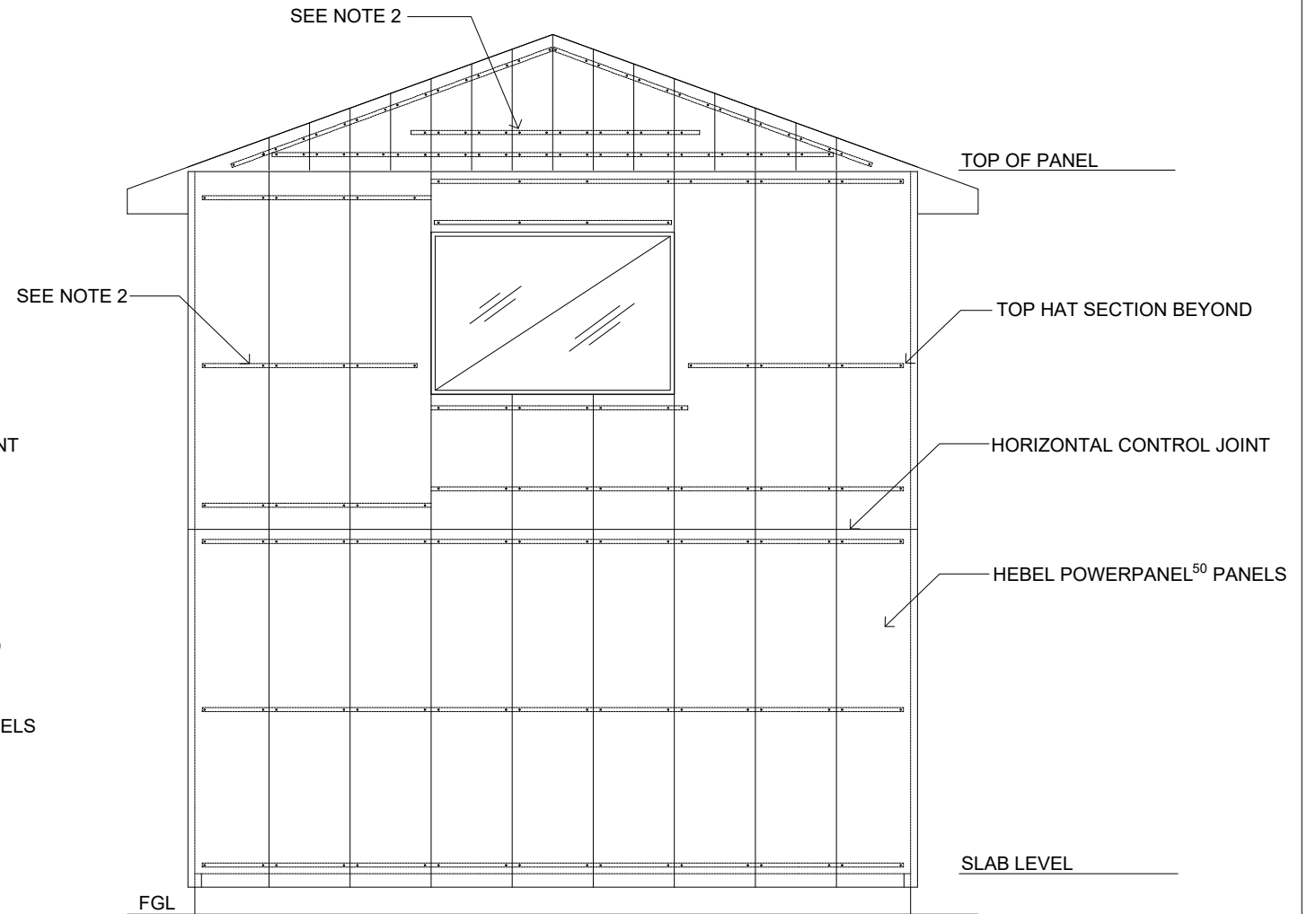
FIGURE	TITLE			
	TWO STOREY CONSTRUCTION DETAILS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
HELI018 OCTOBER18	NTS @ A3	A3	ZK	09.10.18
		SHEET NO. 1 of 5	CHECK ZK	REVISION A

TWO STOREY CONSTRUCTION DETAILS
INSTALLING HEBEL POWERPANEL⁵⁰



TWO STOREY CONSTRUCTION - HIP ROOF 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 1.2.3.
 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 POWERPANEL⁵⁰ PANELS.
 5. MINIMUM FOUR HORIZONTAL TOP HATS REQUIRED FOR UPPER FLOOR POWERPANEL⁵⁰ PANELS.



TWO STOREY CONSTRUCTION - GABLE END ELEVATION
SCALE 1:50



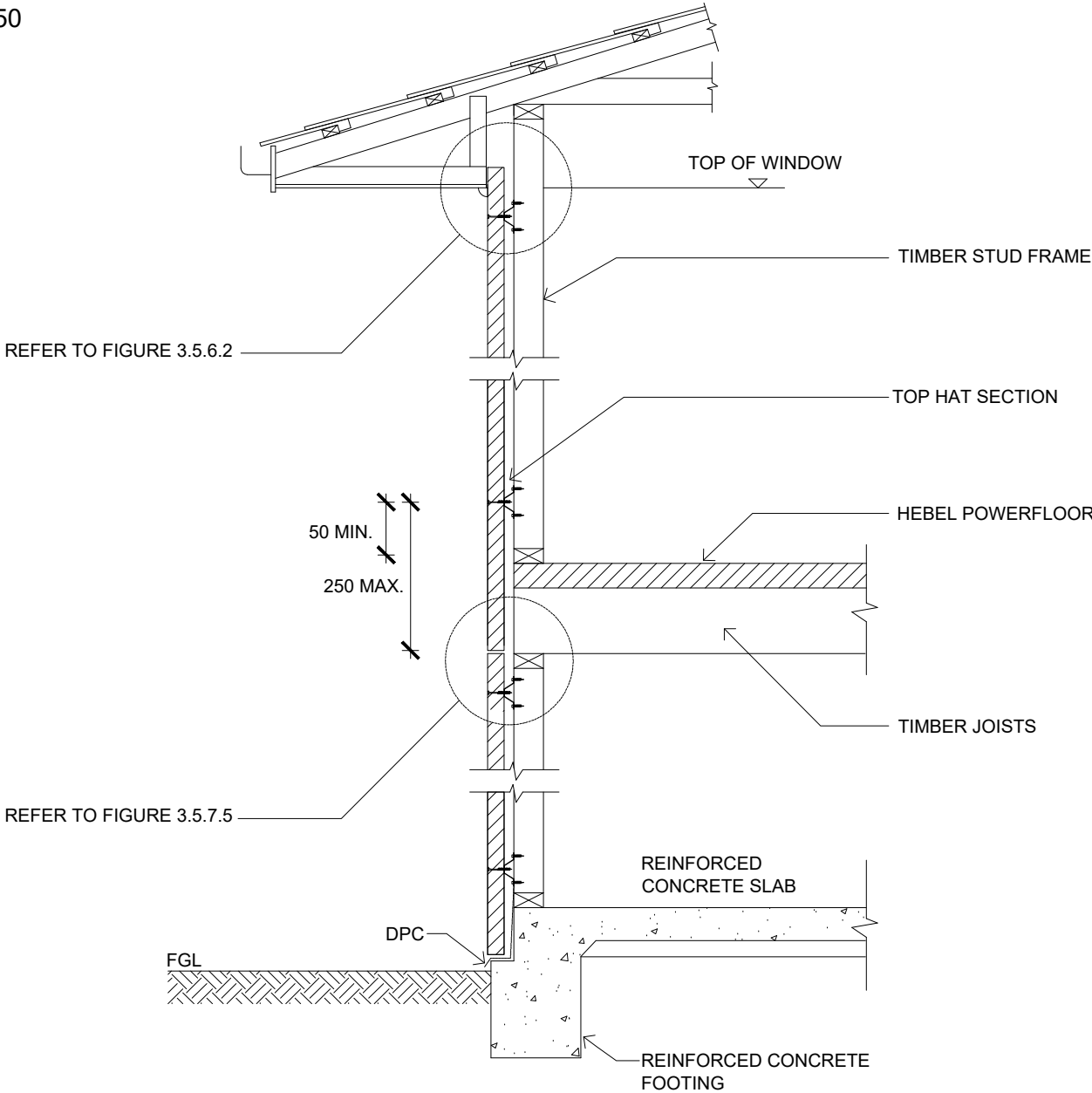
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FIGURE	TITLE			
	TWO STOREY CONSTRUCTION DETAILS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
	1:50 @ A3	A3	ZK	09.10.18
HELIT018 OCTOBER18		SHEET NO. 2 of 5	CHECK ZK	REVISION A

TWO STOREY CONSTRUCTION DETAILS
INSTALLING HEBEL POWERPANEL⁵⁰

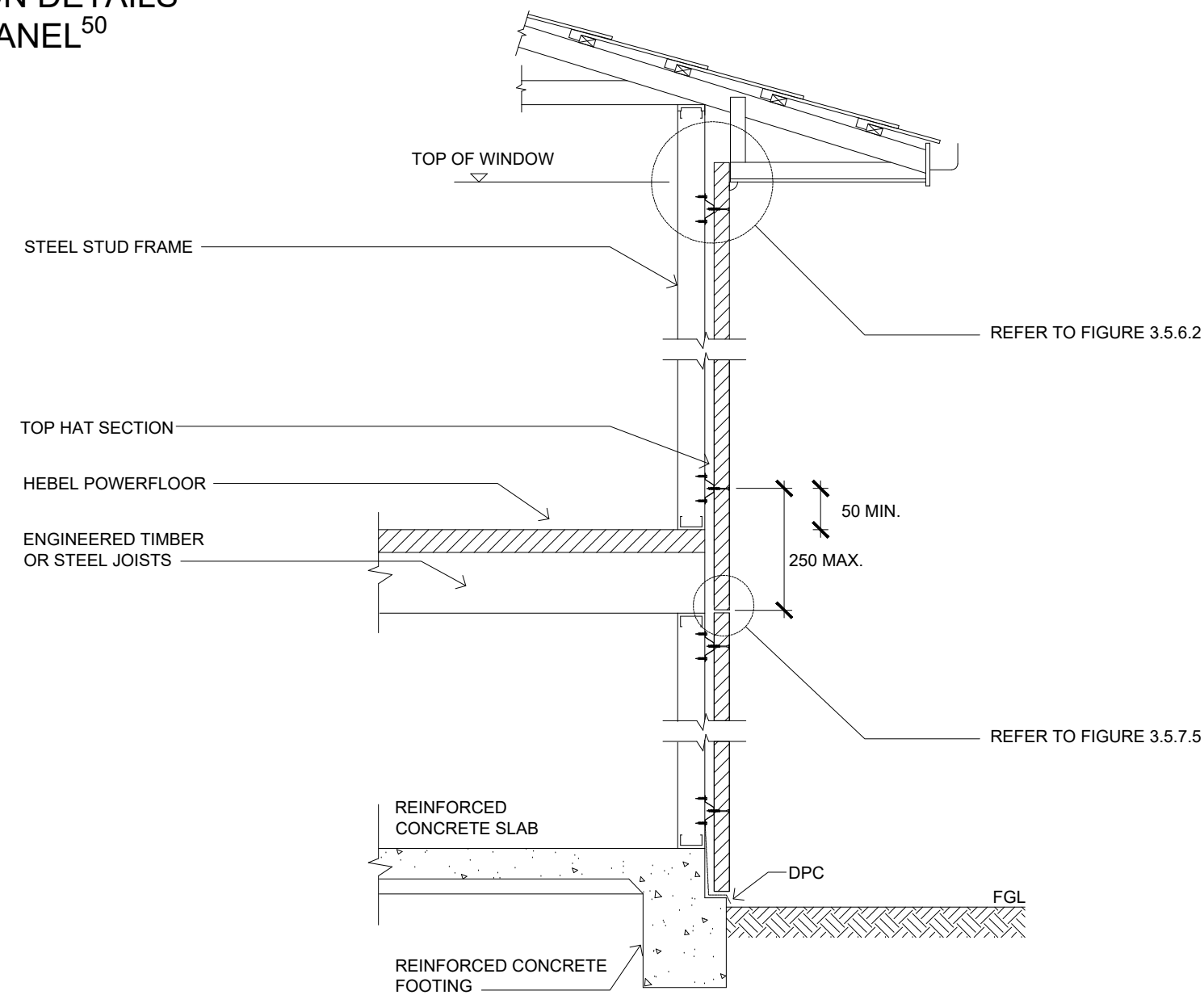


TWO STOREY CONSTRUCTION
TYPICAL TIMBER FRAME SECTION USING JOISTS WITH > 1% SHRINKAGE
SCALE 1:20

NOTE:
1. LOWER STOREY HEBEL POWERPANEL⁵⁰ PANELS ARE SUPPORTED AT THE BASE ON CONCRETE SLAB EDGE.

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		3.5.2.4	TWO STOREY CONSTRUCTION DETAILS			
		DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
HELIT018	1:20 @ A3	A3	ZK	26.10.18		
OCTOBER18		SHEET NO.	CHECK	REVISION		
		3 of 5	ZK	B		

TWO STOREY CONSTRUCTION DETAILS
INSTALLING HEBEL POWERPANEL⁵⁰



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



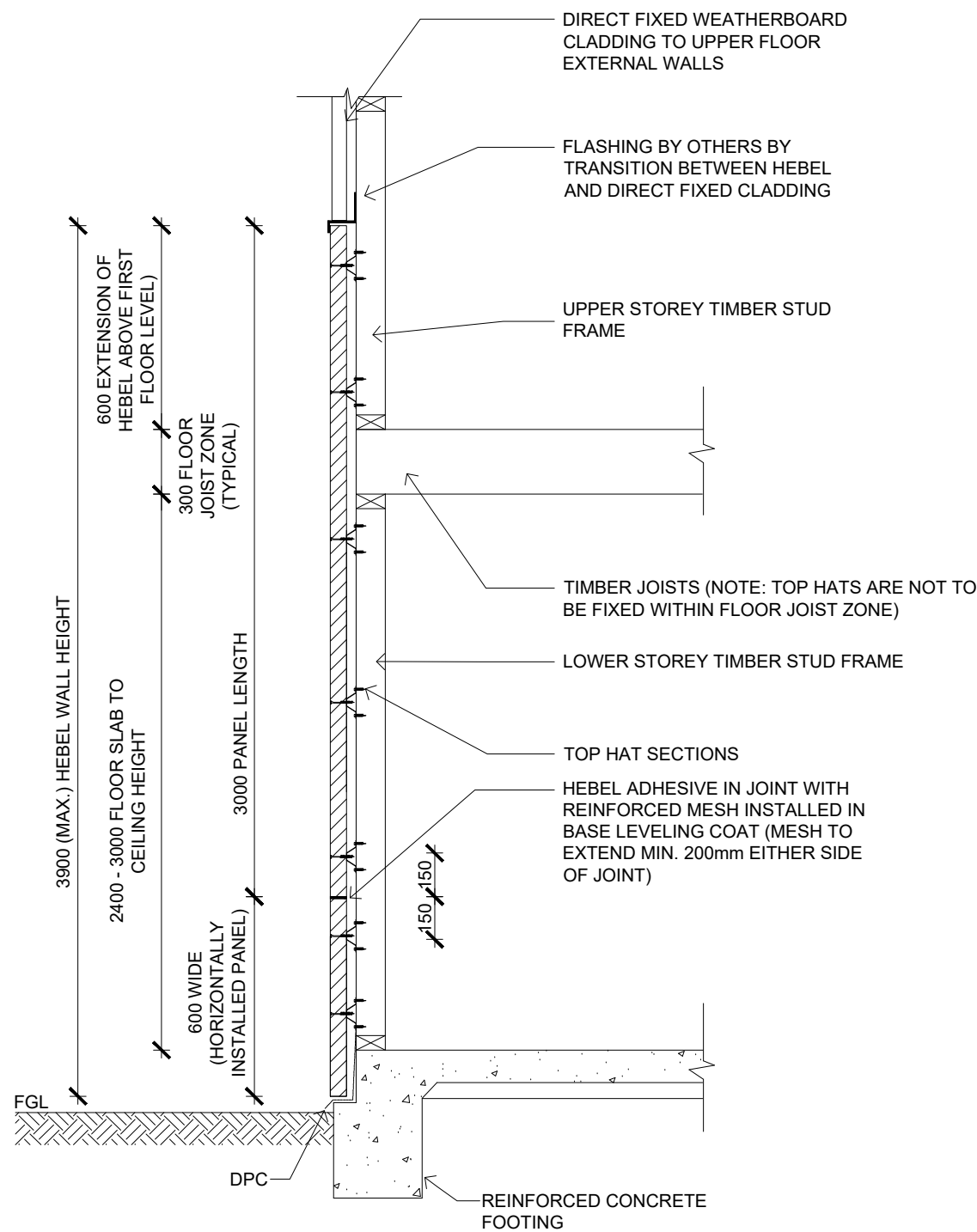
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FIGURE	TITLE			
	TWO STOREY CONSTRUCTION DETAILS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
	1:20 @ A3	A3	ZK	26.10.18
HELI018 OCTOBER18		SHEET NO. 4 of 5	CHECK ZK	REVISION B

HEBEL EXTERNAL WALL CLADDING DETAIL
EXTENDING ABOVE FIRST FLOOR



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



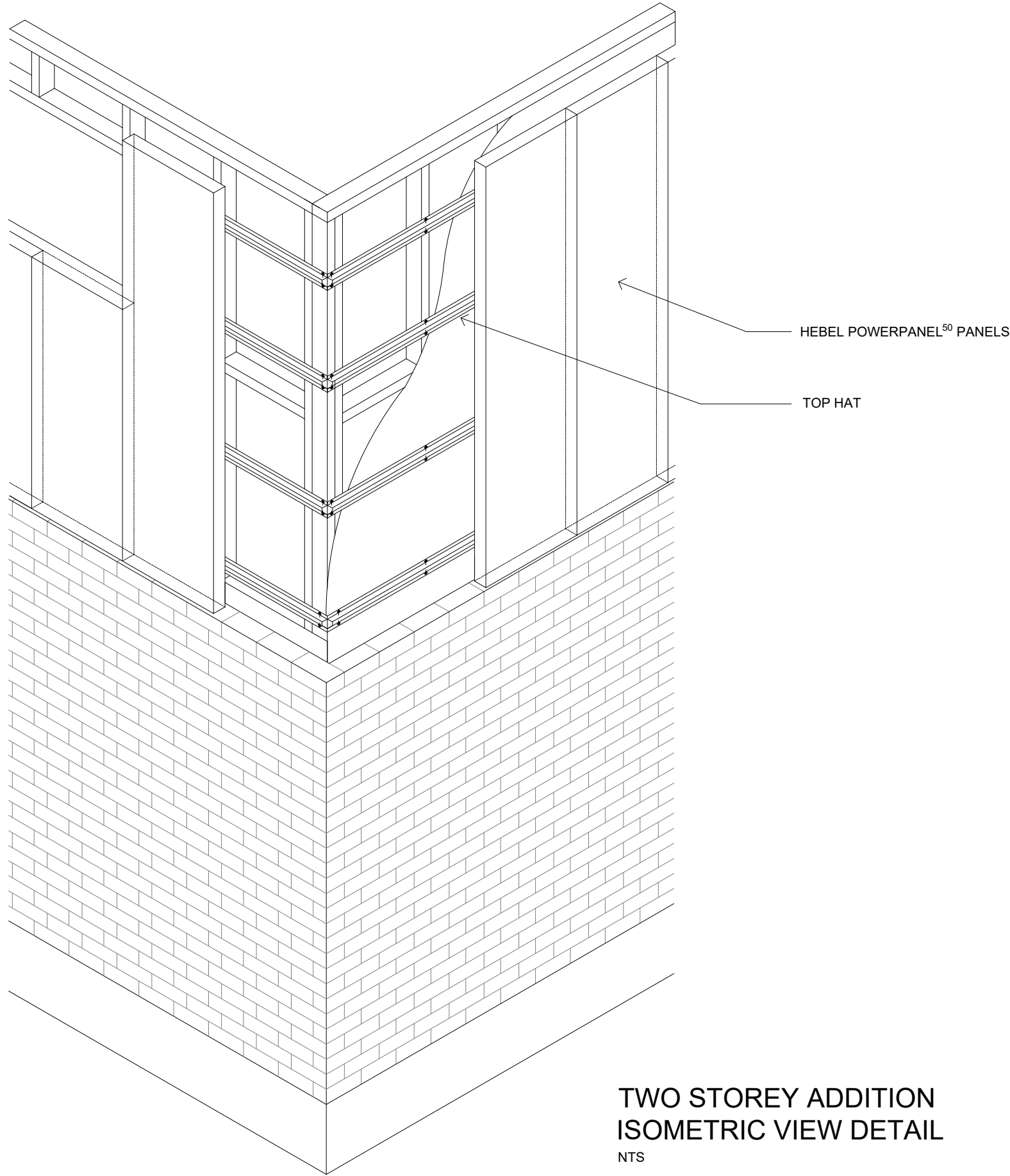
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FIGURE	TITLE			
	TWO STOREY ADDITION DETAILS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
HELI018 OCTOBER18	NTS @ A3	A3	ZK	26.10.18
		SHEET NO. 5 of 5	CHECK ZK	REVISION B

TWO STOREY ADDITION DETAILS
INSTALLING HEBEL POWERPANEL⁵⁰



TWO STOREY ADDITION
ISOMETRIC VIEW DETAIL
NTS



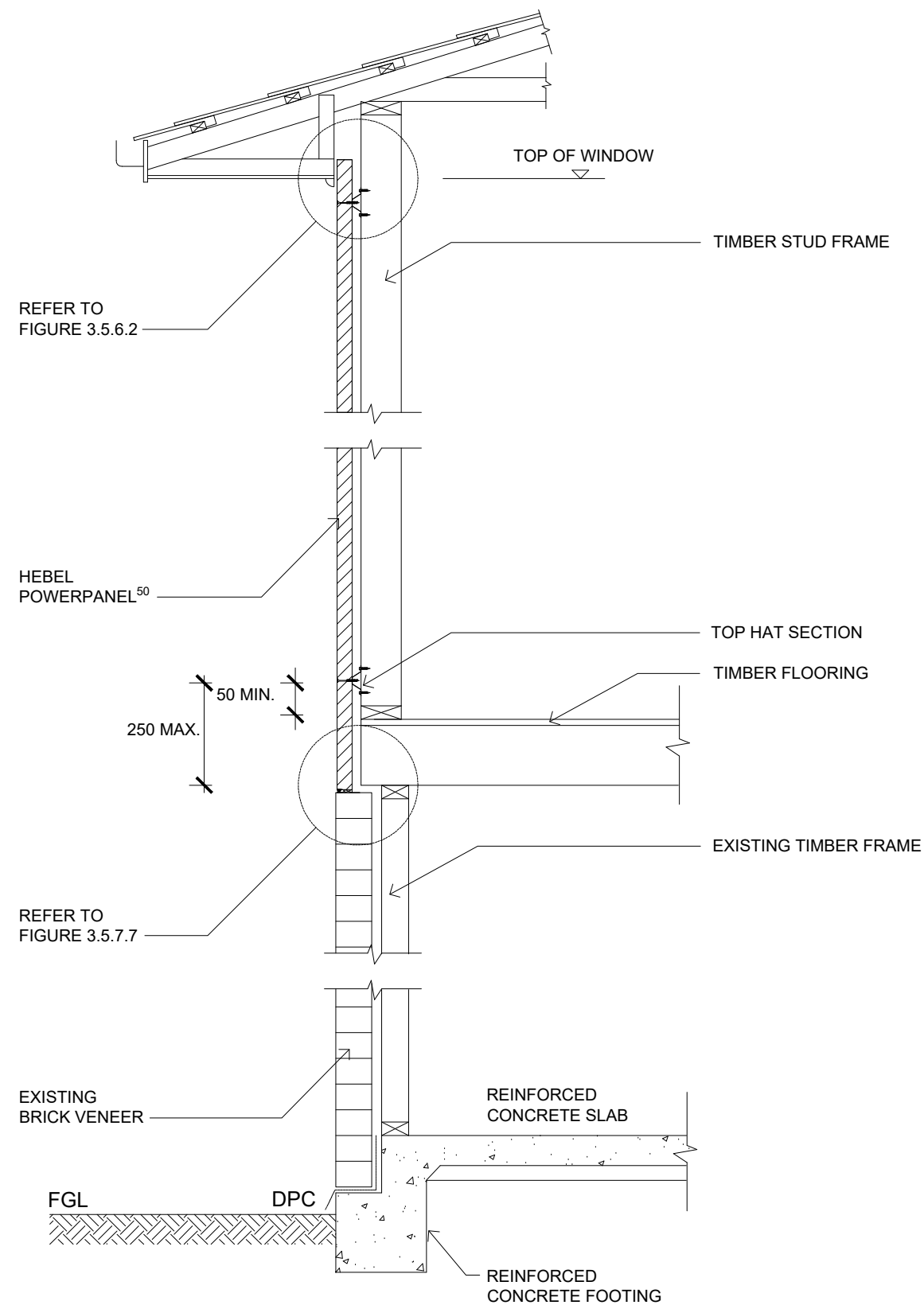
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FIGURE 3.5.3.1	TITLE TWO STOREY ADDITION DETAILS			
	SCALE NTS @ A3	SHEET SIZE A3	DRAWN ZK	DATE 09.10.18
DESIGN GUIDE REFERENCE HELIT018 OCTOBER18		SHEET NO. 1 of 3	CHECK ZK	REVISION A

TWO STOREY ADDITION DETAILS
INSTALLING HEBEL POWERPANEL⁵⁰



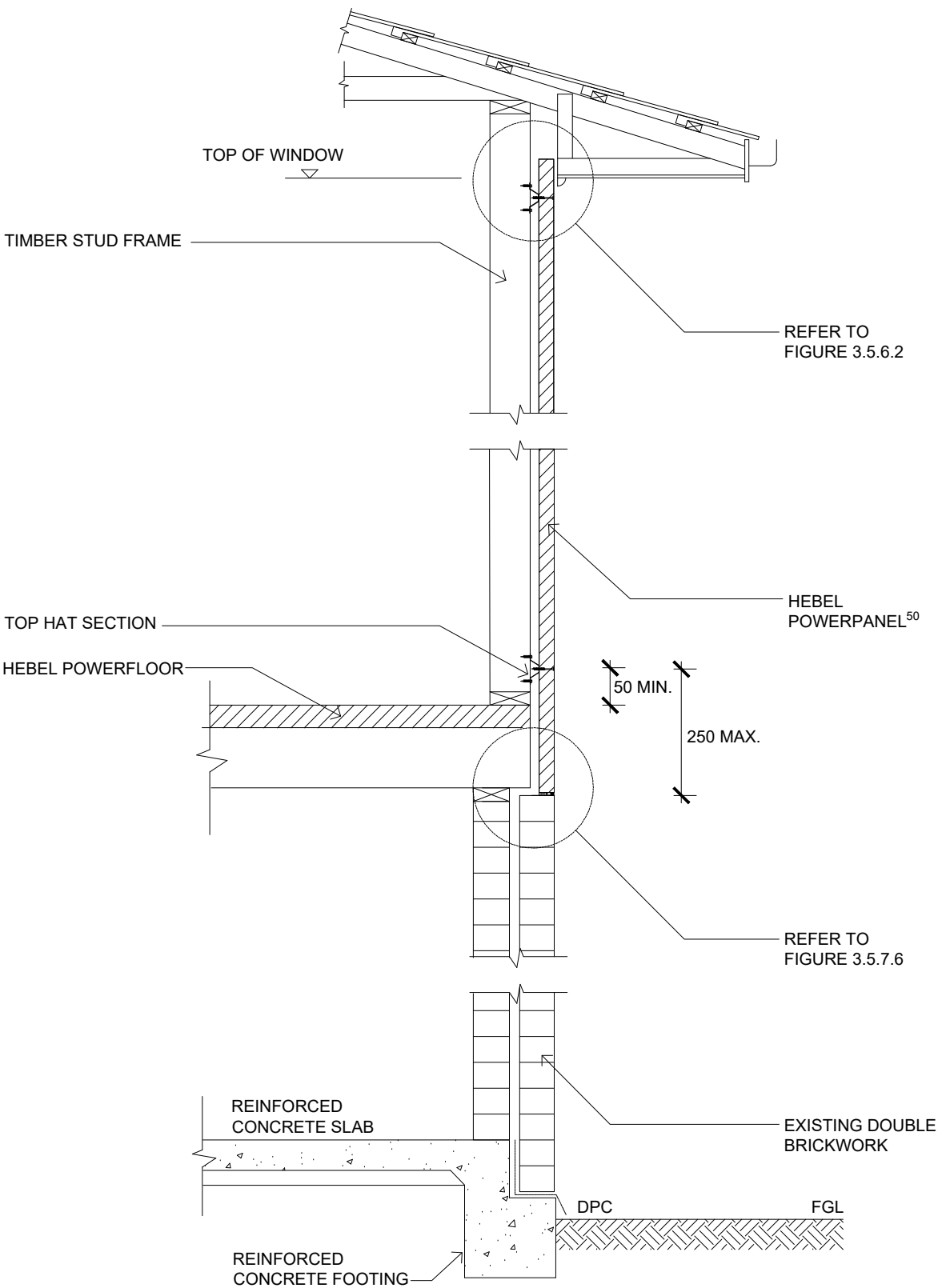
TWO STOREY ADDITIONS - TYPICAL SECTION
WITH BRICK VENEER BELOW

SCALE: 1:20

NOTE:
1. MINIMUM 4 TOP HATS REQUIRED FOR PANELS THAT ARE SUSPENDED OFF THE FRAME. REFER TO TABLE 1.2.3 OF THE DESIGN AND INSTALLATION GUIDE.

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	DESIGN GUIDE REFERENCE HELIT018 OCTOBER18	SCALE 1:20 @ A3	SHEET SIZE A3	DRAWN ZK	DATE 26.10.18
			SHEET NO. 2 of 3	CHECK ZK	REVISION B

TWO STOREY ADDITION DETAILS
INSTALLING HEBEL POWERPANEL⁵⁰



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 1.2.3 OF THE DESIGN AND INSTALLATION GUIDE.



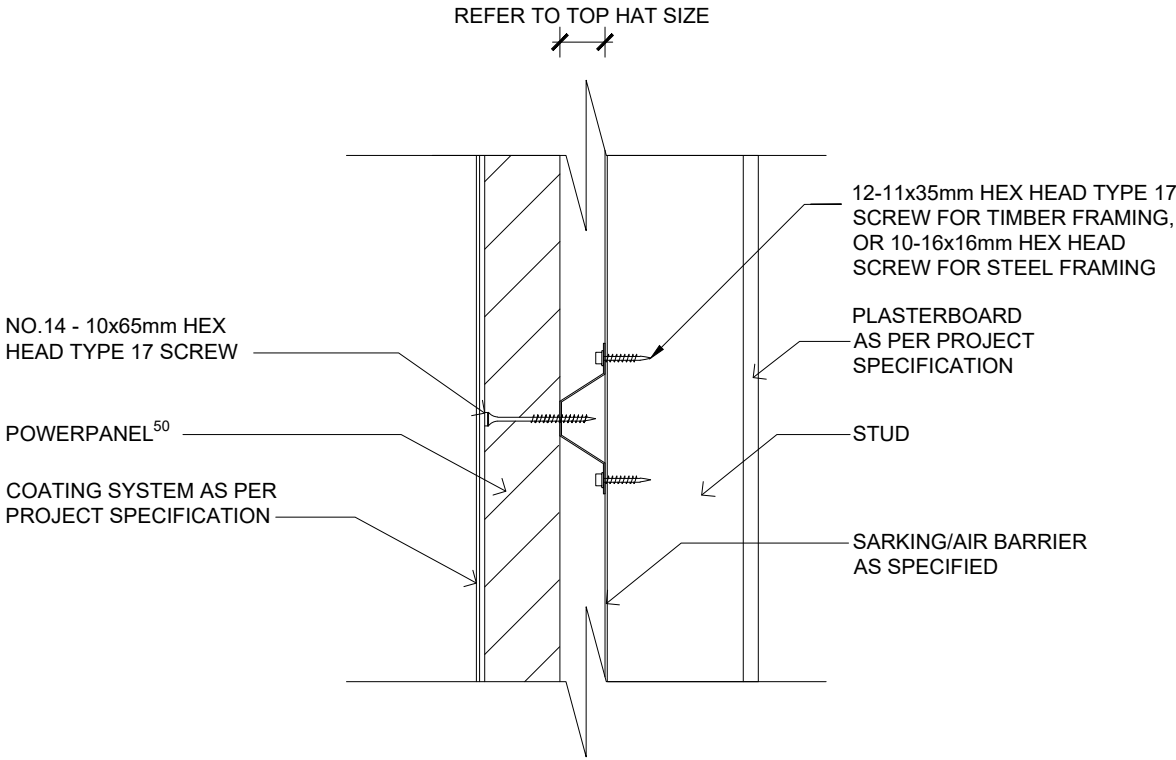
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FIGURE	TITLE			
	TWO STOREY ADDITION DETAILS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
HELI018 OCTOBER18	1:20 @ A3	A3	ZK	26.10.18
		SHEET NO. 3 of 3	CHECK ZK	REVISION B

HEBEL POWERPANEL⁵⁰ FIXING & INSTALLATION DETAILS



HEBEL POWERPANEL⁵⁰ EXTERNAL WALL SYSTEM FIXING DETAIL
(ACHIEVES FRL 90/90/90 WHEN INSTALLED AS PART OF THE WALL
SYSTEM. SEE SECTION 2.2 OF THE POWERPANEL⁵⁰ 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.

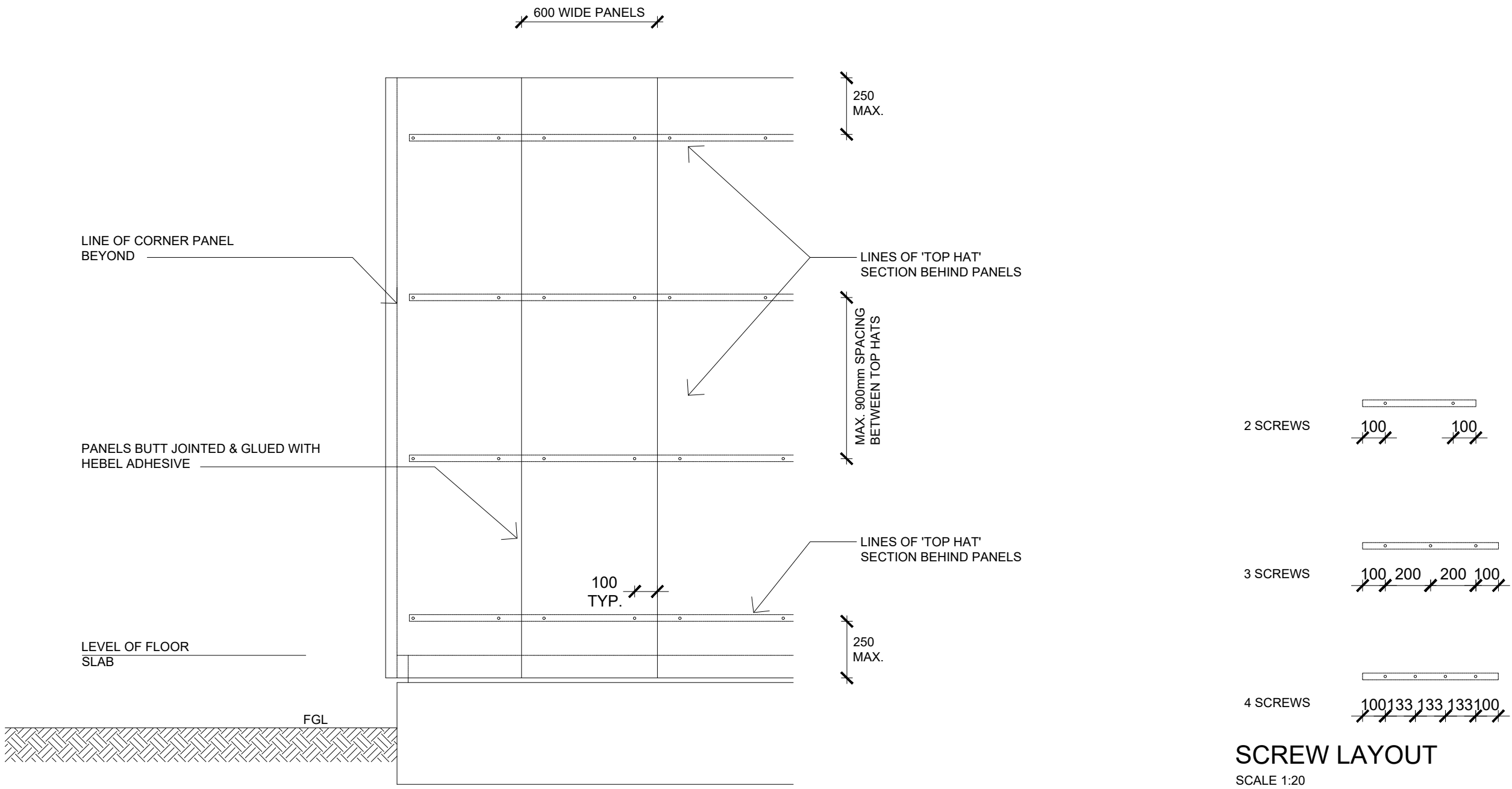


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FIGURE		TITLE			
3.5.4.1		HEBEL POWERPANEL ^{XL} FIXING & INSTALLATION DETAILS			
DESIGN GUIDE REFERENCE		SCALE	SHEET SIZE	DRAWN	DATE
HELIT018 OCTOBER18		1:5 @ A3	A3	ZK	26.10.18
		SHEET NO.	CHECK	REVISION	
		1 of 2	ZK	B	

HEBEL POWERPANEL⁵⁰ FIXING & INSTALLATION DETAILS



POWERPANEL⁵⁰ PANEL SETOUT - ELEVATION VIEW
SCALE 1:20



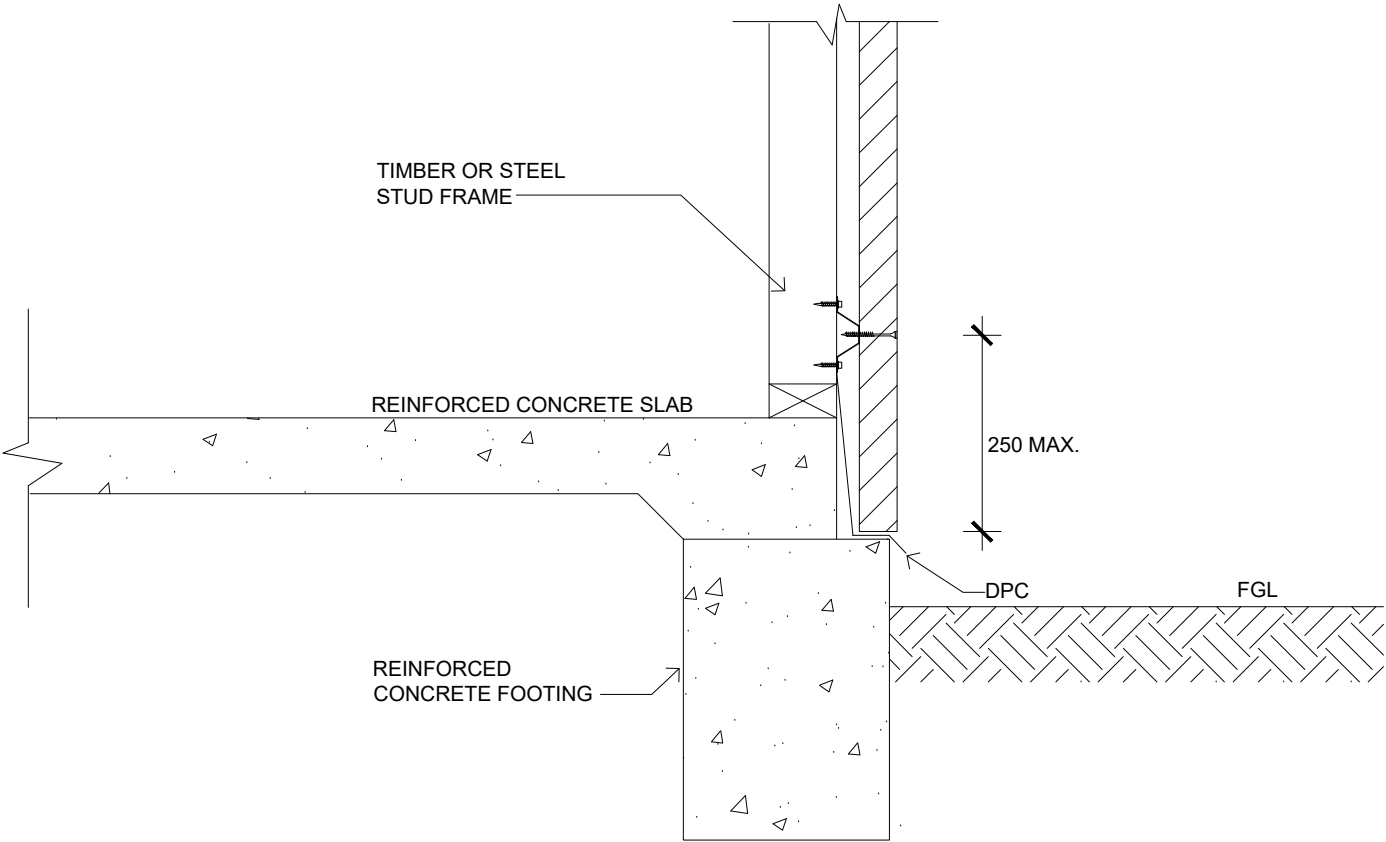
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FIGURE	TITLE			
	3.5.4.2	HEBEL POWERPANEL ^{XL} FIXING & INSTALLATION DETAILS		
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
	HELI018 OCTOBER18	1:20 @ A3 SHEET NO. 2 of 2	ZK ZK	09.10.18 A

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 TERMITE PROTECTION.
 - 4. WHEN FIXING TOP HATS TO CONCRETE, CONTACT THE FIXING MANUFACTURER FOR DETAILS.



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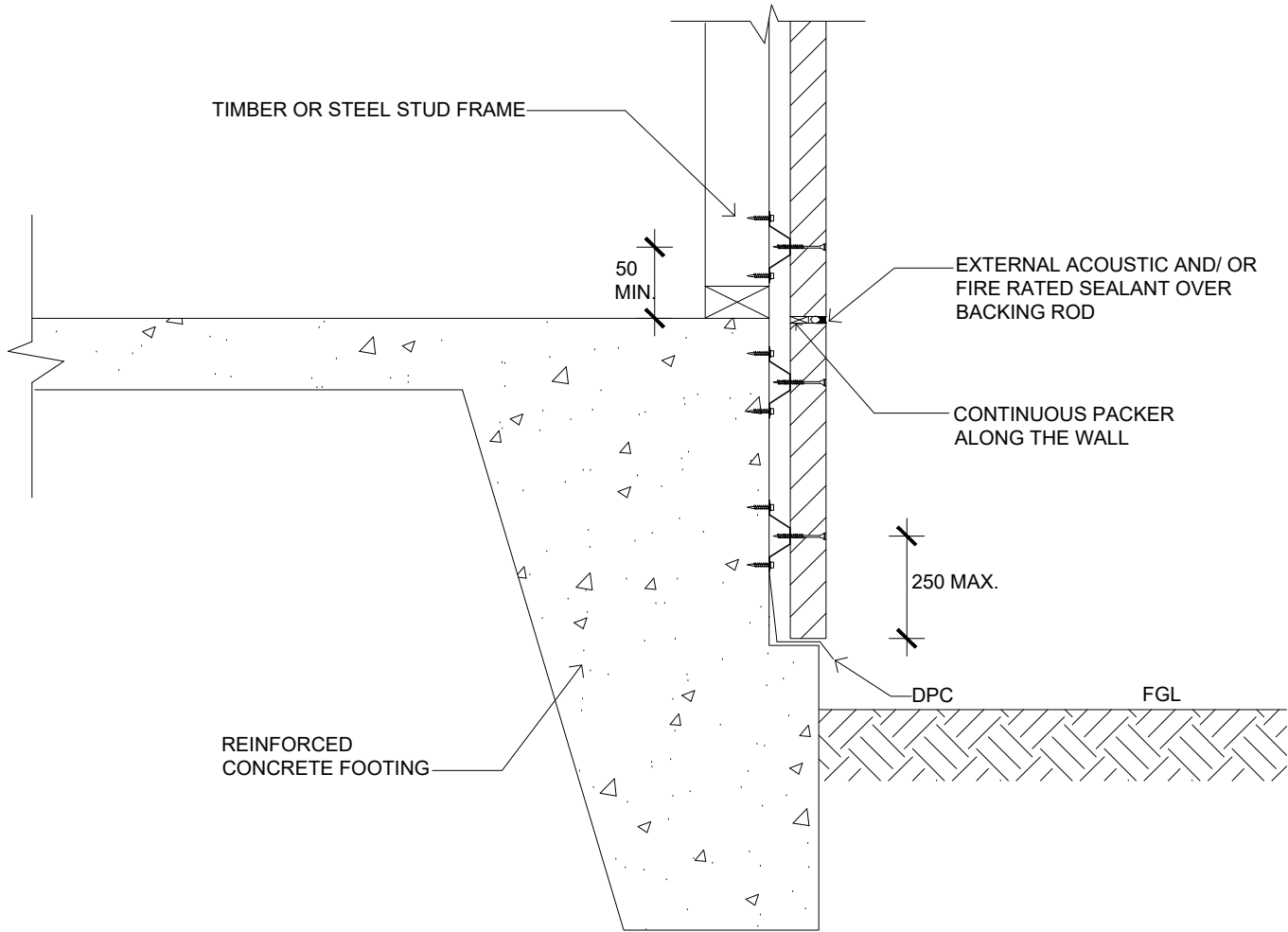


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FIGURE	TITLE			
	FOOTING JUNCTION DETAILS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	ALTE
HELIT018 OCTOBER18	1:10 @ A3	A3	ZK	26.10.18
		SHEET NO. 1 of 7	CHECK ZK	REVISION B

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.



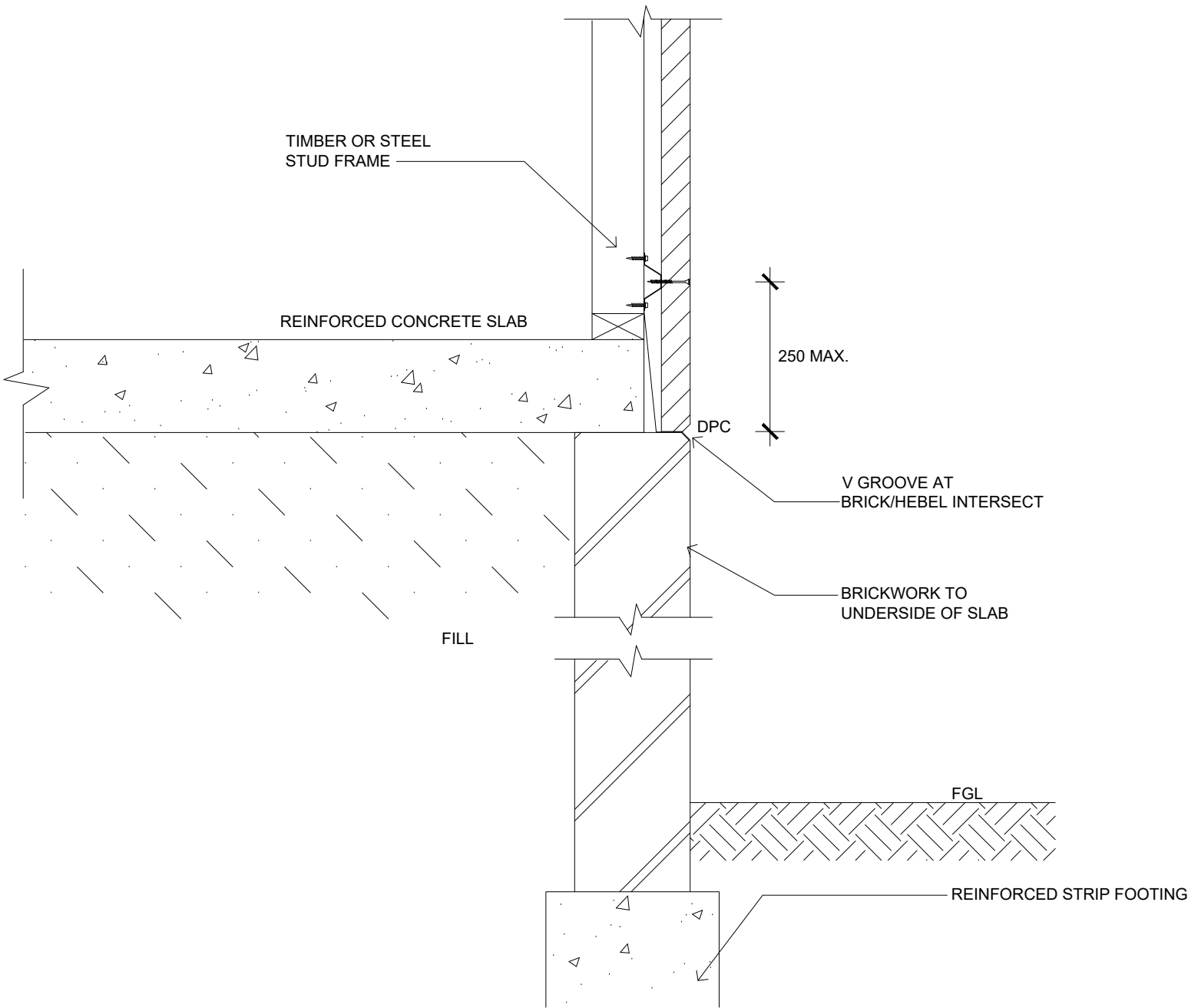
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FIGURE	TITLE			
	FOOTING JUNCTION DETAILS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	ALTE
HELIT018 OCTOBER18	1:10 @ A3	A3	ZK	26.10.18
		SHEET NO. 2 of 7	CHECK ZK	REVISION B

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 TERMITE PROTECTION.
 - 4. WHEN FIXING TOP HATS TO CONCRETE, CONTACT THE FIXING MANUFACTURER FOR DETAILS.



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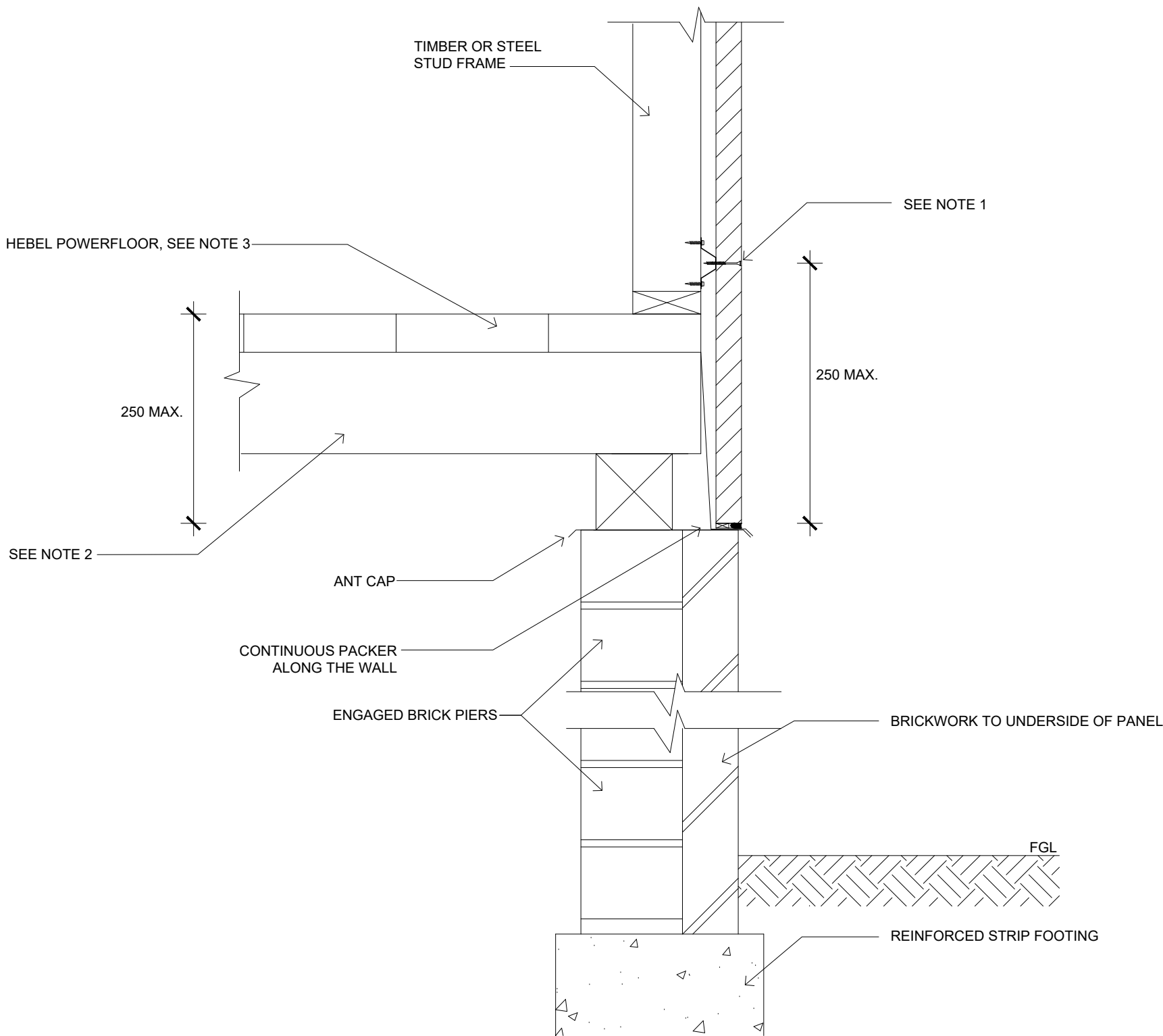


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FIGURE	TITLE			
	FOOTING JUNCTION DETAILS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	ALTE
HELIT018 OCTOBER18	1:10 @ A3	A3	ZK	26.10.18
		SHEET NO.	CHECK	REVISION
		3 of 7	ZK	B

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.



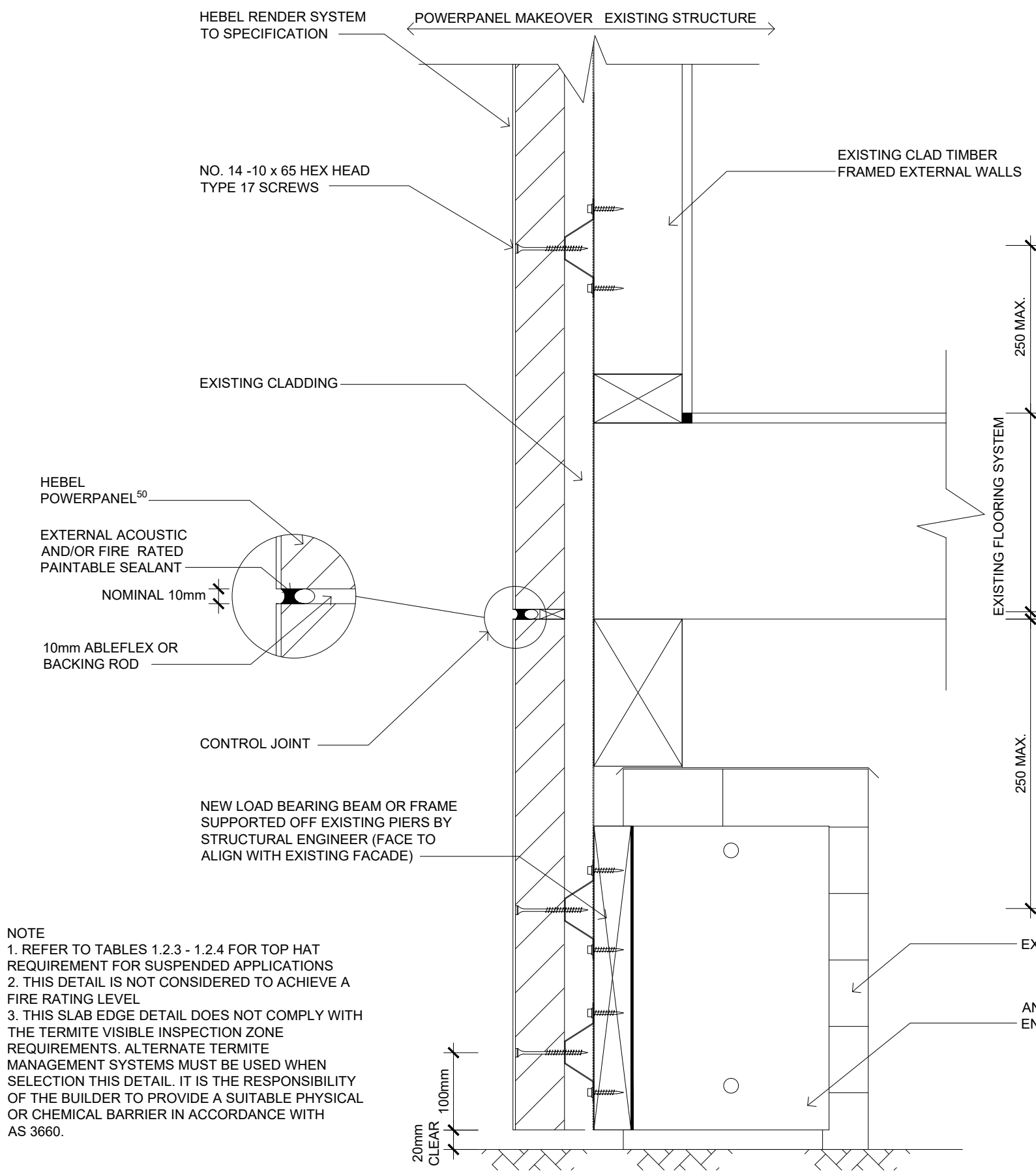
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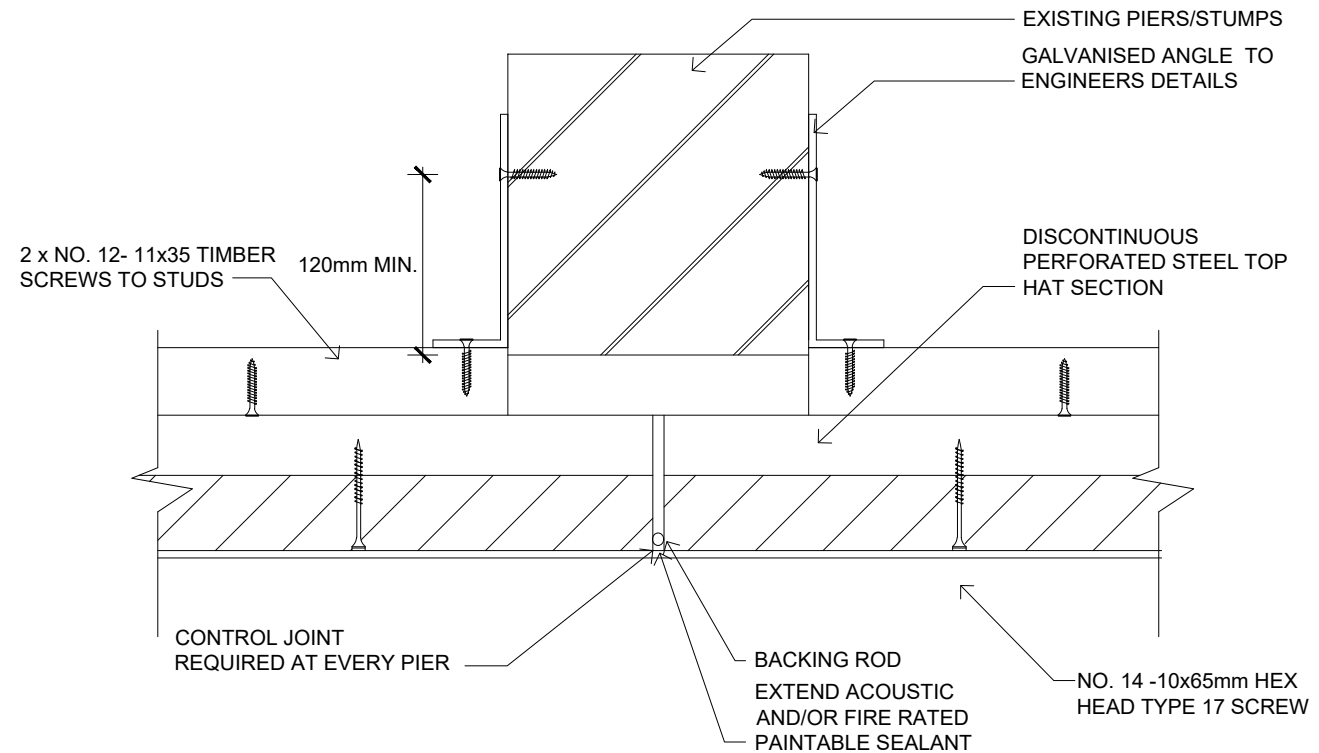
FIGURE	TITLE			
	FOOTING JUNCTION DETAILS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	ALTE
HELI018 OCTOBER18	1:10 @ A3	A3	ZK	26.10.18
		SHEET NO. 4 of 7	CHECK ZK	REVISION B

FOOTING JUNCTION DETAILS



NOTE
1. REFER TO TABLES 1.2.3 - 1.2.4 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



BASE DETAIL SUSPENDED FLOOR - PIER CONNECTION
SCALE 1:5



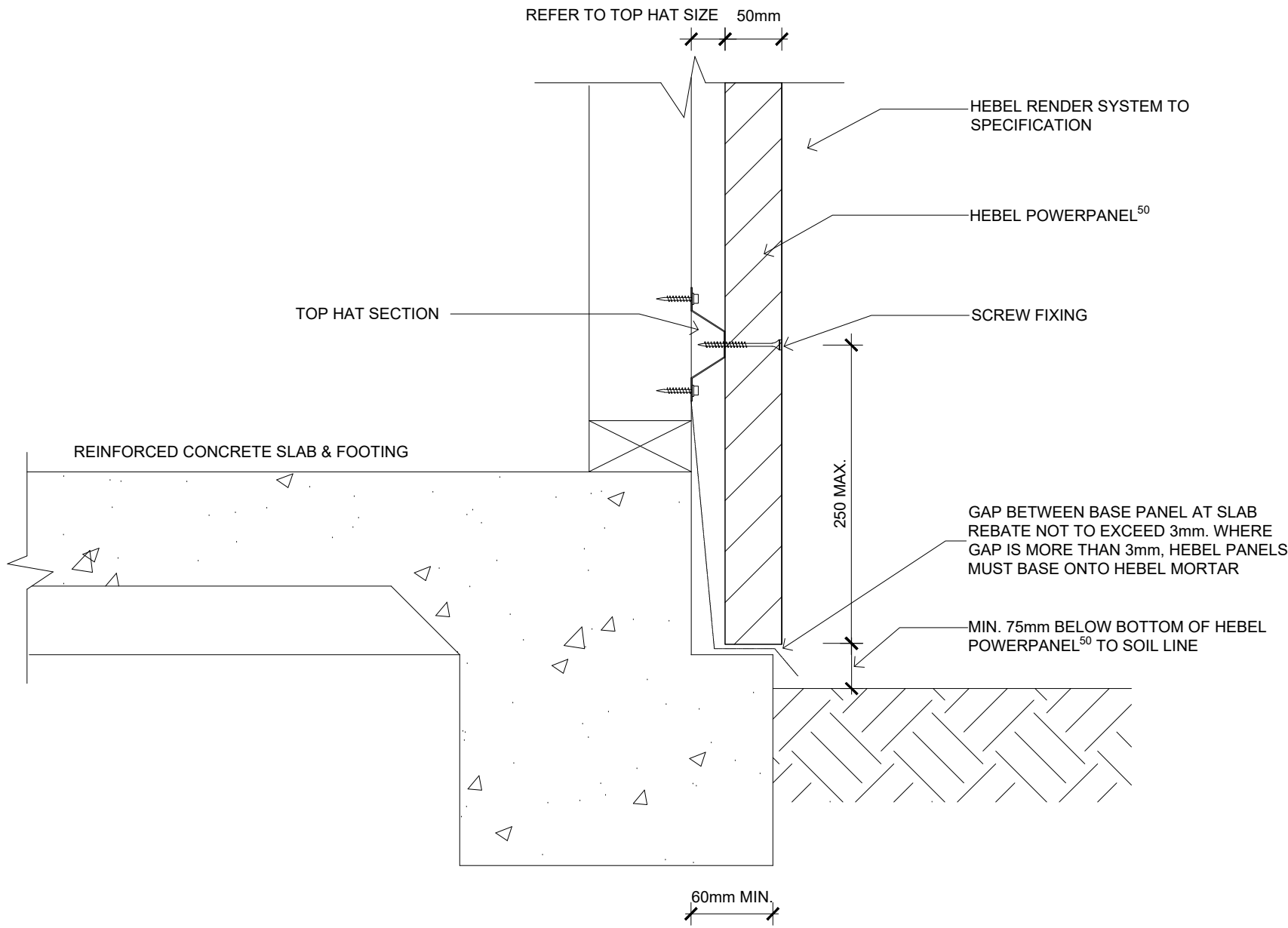
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FIGURE	TITLE			
	FOOTING JUNCTION DETAILS			
SCALE	SHEET SIZE	DRAWN	ALTE	
1:5 @ A3	A3	ZK		26.10.18
	SHEET NO. 5 of 7	CHECK ZK		REVISION B

FOOTING JUNCTION DETAILS

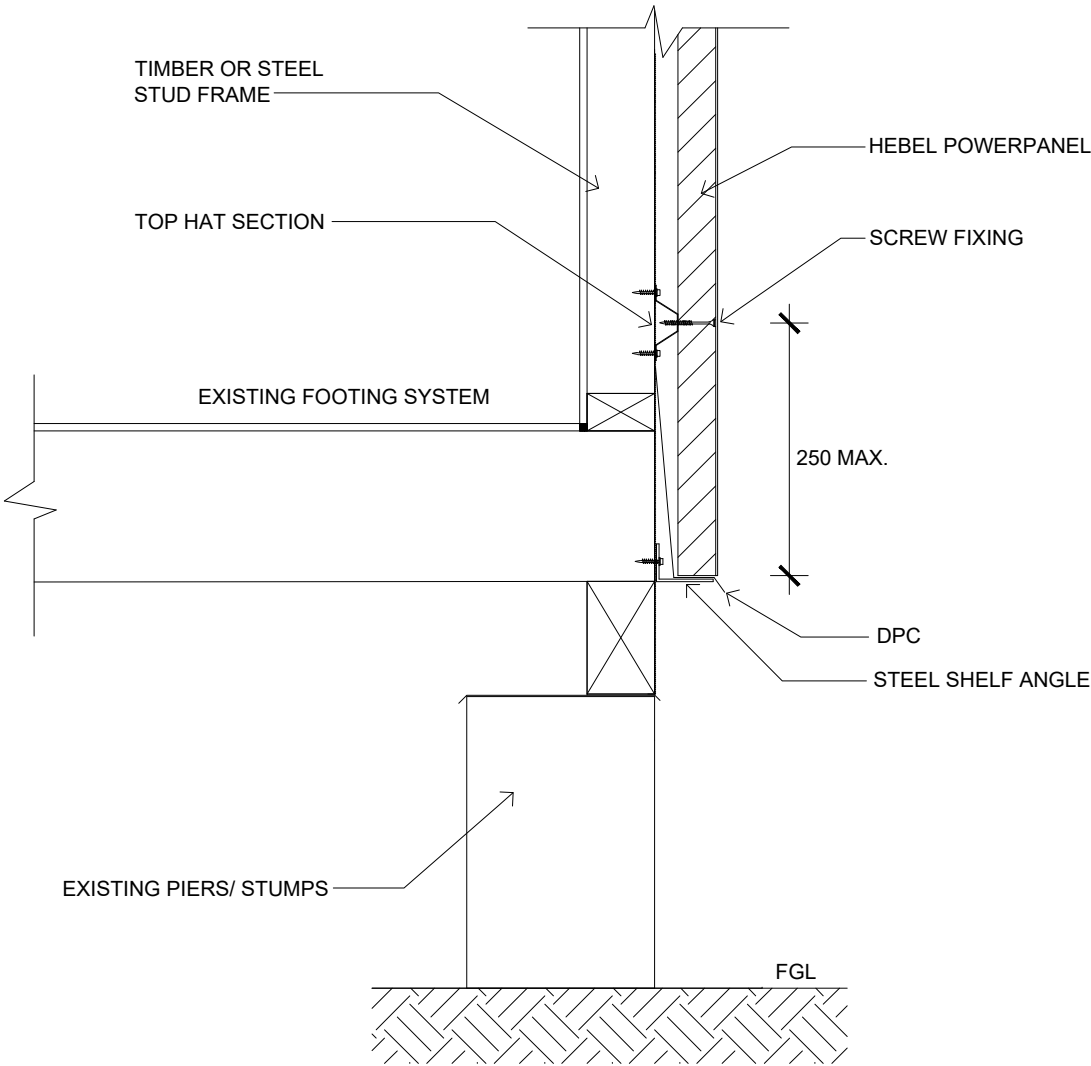


JUNCTION TO SHALLOW CONCRETE EDGE BEAM
(ACHIEVES FRL 90/90/90 WHEN INSTALLED AS PART OF THE
WALL SYSTEM. SEE SECTION 2.2 OF THE POWERPANEL⁵⁰
EXTERNAL WALLS DESIGN AND INSTALLATION GUIDE)

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 ACCORALNCE WITH AS3660.

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.

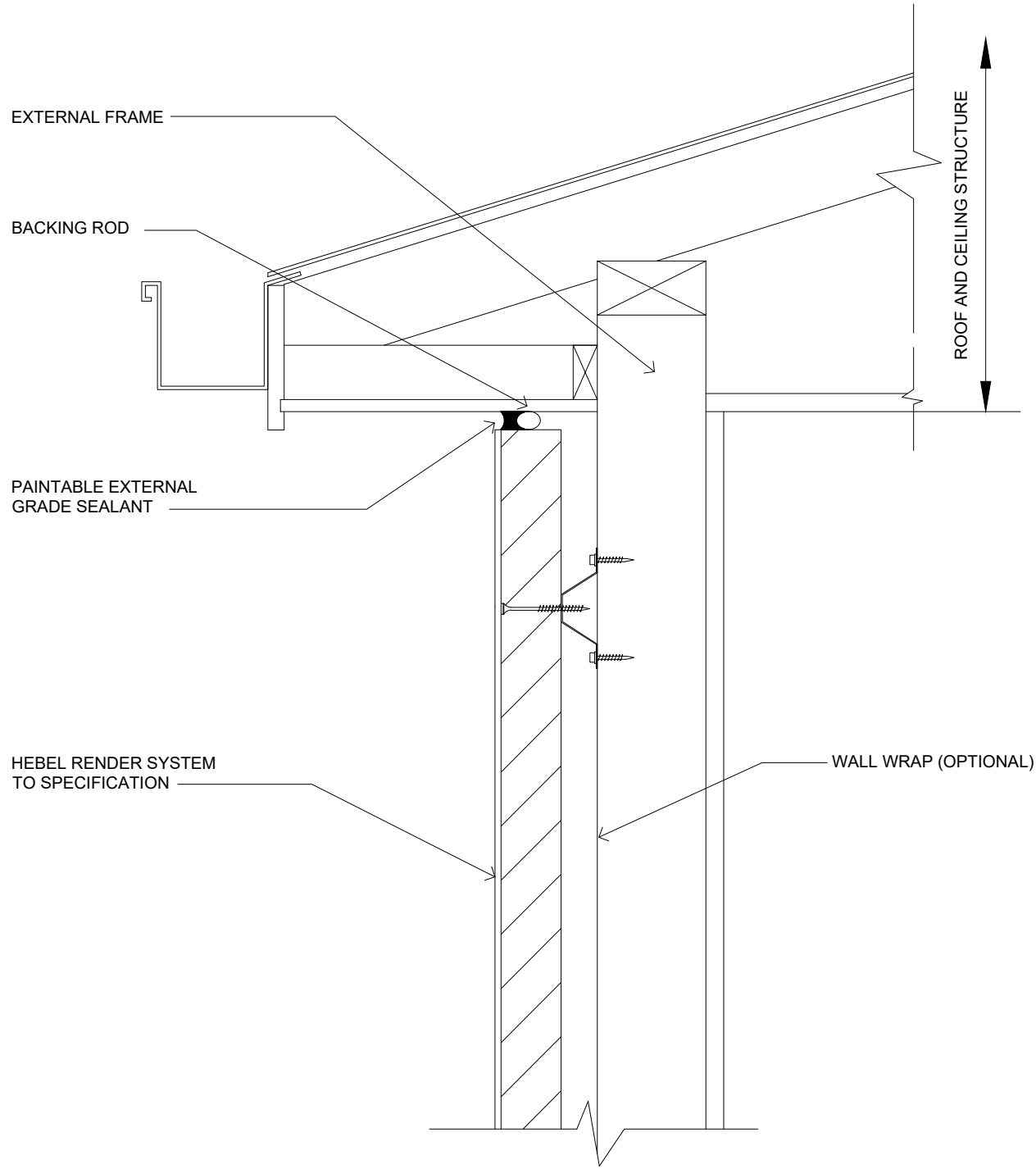


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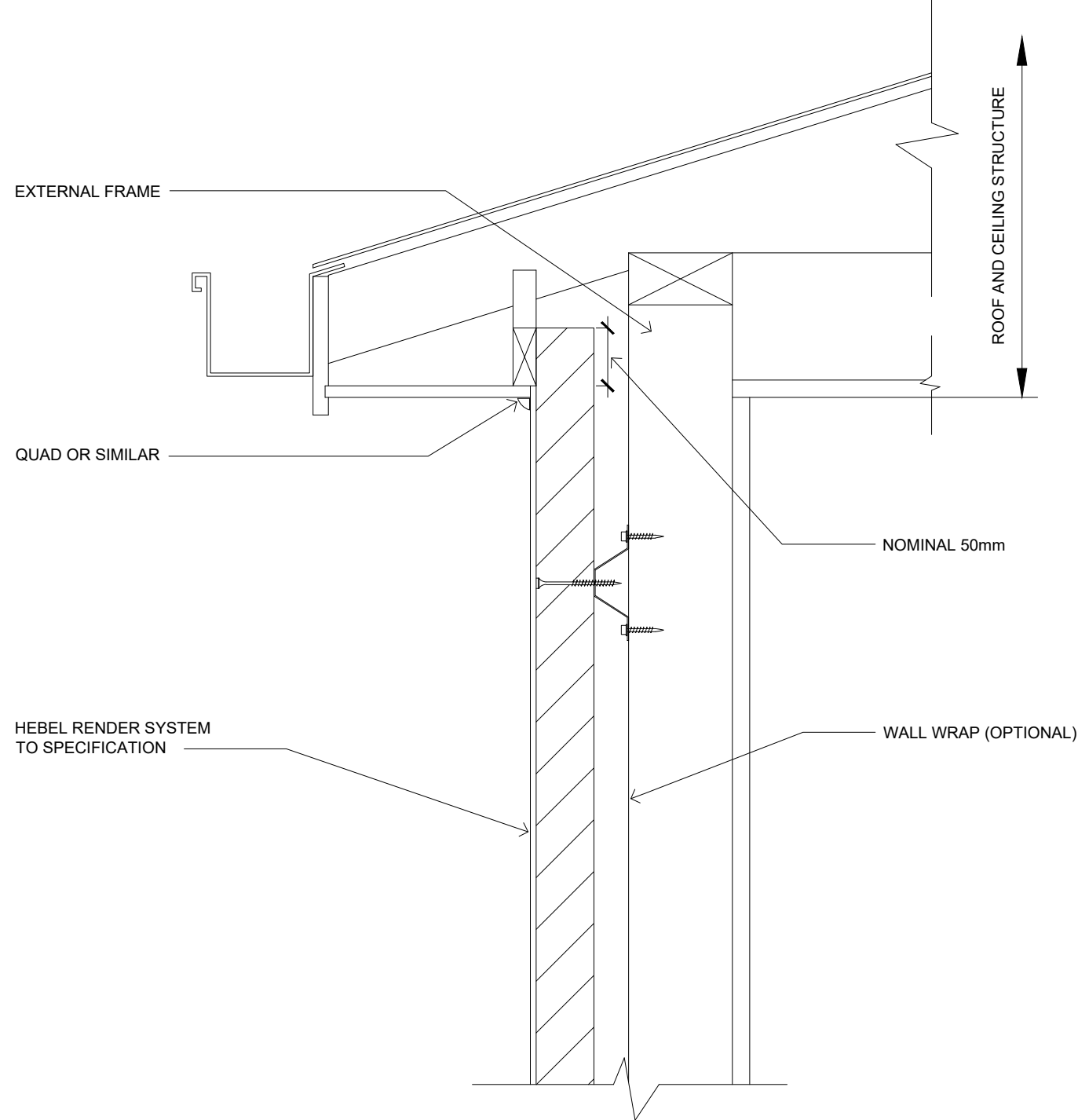


FIGURE	TITLE			
	FOOTING JUNCTION DETAILS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	ALTE
HELIT018 OCTOBER18	1:10 @ A3	A3	ZK	26.10.18
		SHEET NO. 7 of 7	CHECK ZK	REVISION B

WALL JUNCTION DETAILS & SECTIONS



TYPICAL ROOF EAVES DETAILS - OPTION 1
SCALE 1:5



TYPICAL ROOF EAVES DETAILS - OPTION 2
SCALE 1:5

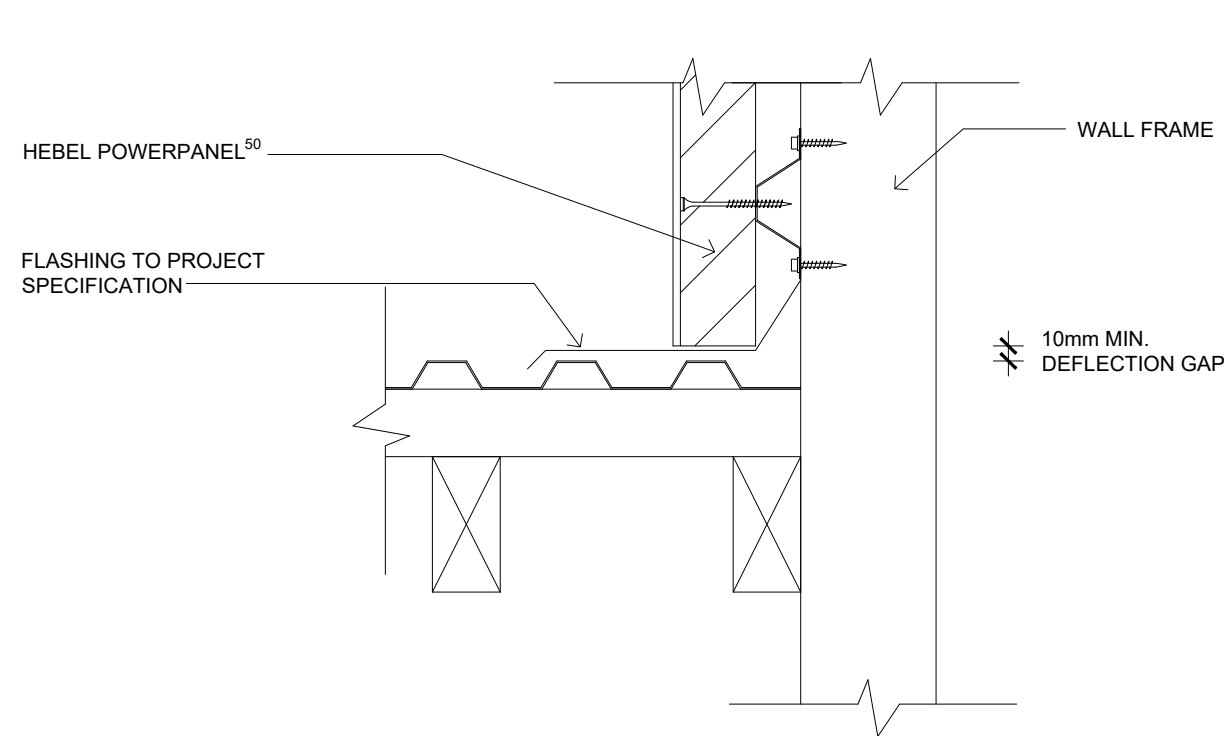


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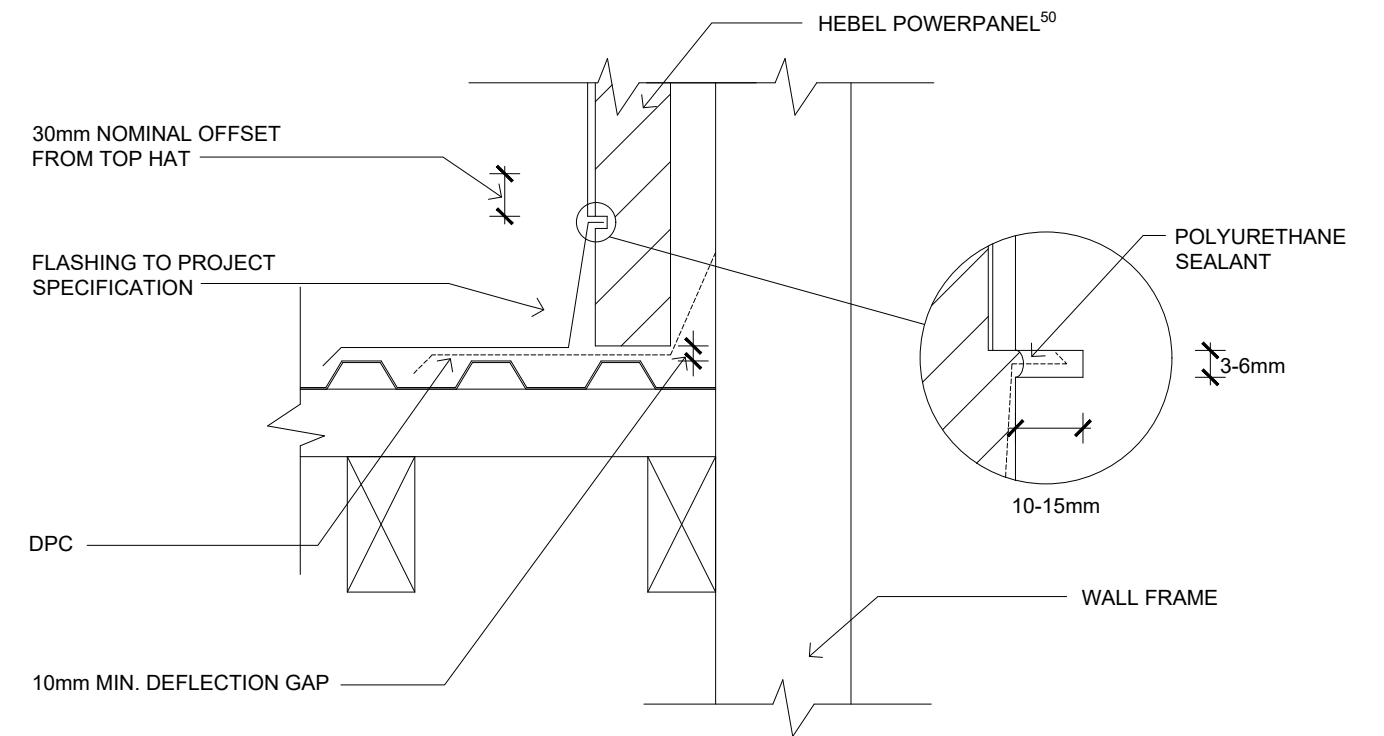
FIGURE	TITLE			
	SCALE	SHEET SIZE	DRAWN	DATE
3.5.6.1 - 3.5.6.2	1:5 @ A3	A3	ZK	26.10.18
DESIGN GUIDE REFERENCE	SHEET NO.	CHECK	REVISION	
HELIT018 OCTOBER18	1 of 6	ZK	B	

WALL JUNCTION DETAILS & SECTIONS



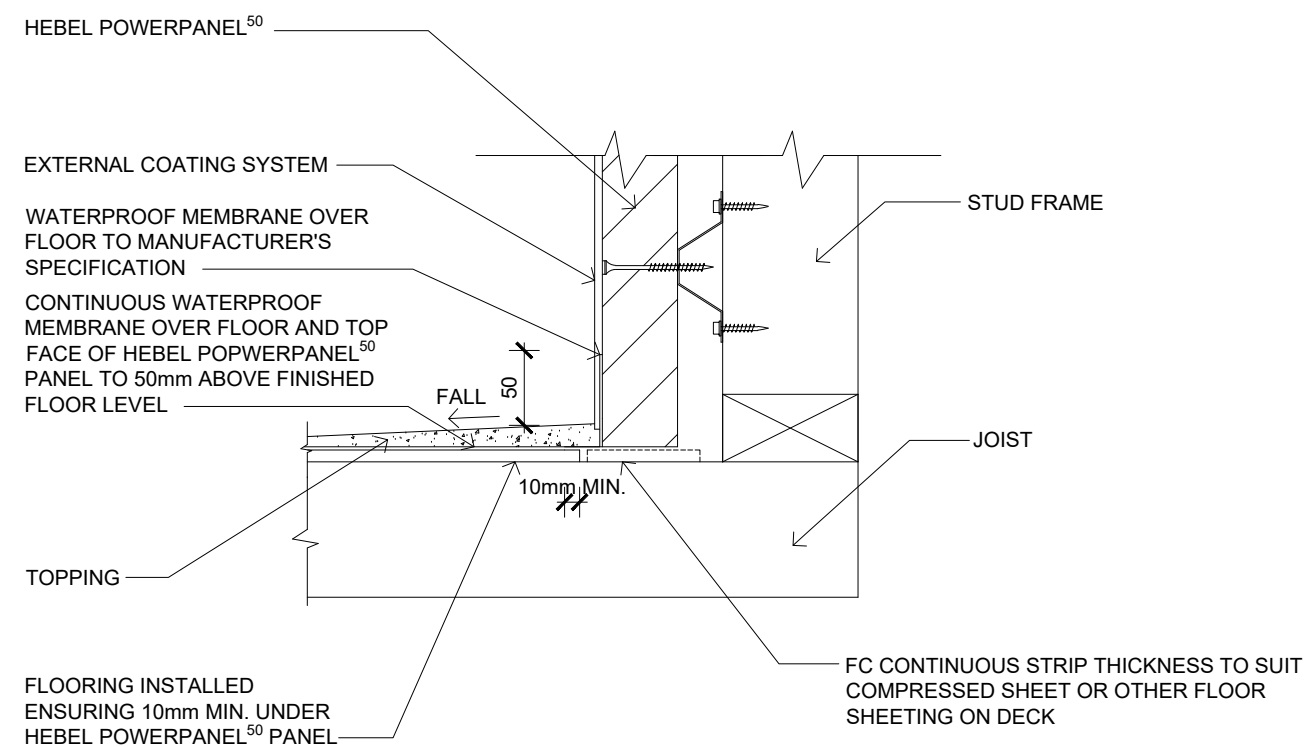
ROOF TO WALL JUNCTION DETAIL - OPTION 1

SCALE 1:5



ROOF TO WALL JUNCTION DETAIL - OPTION 2

SCALE 1:5



BALCONY DETAIL

SCALE 1:5



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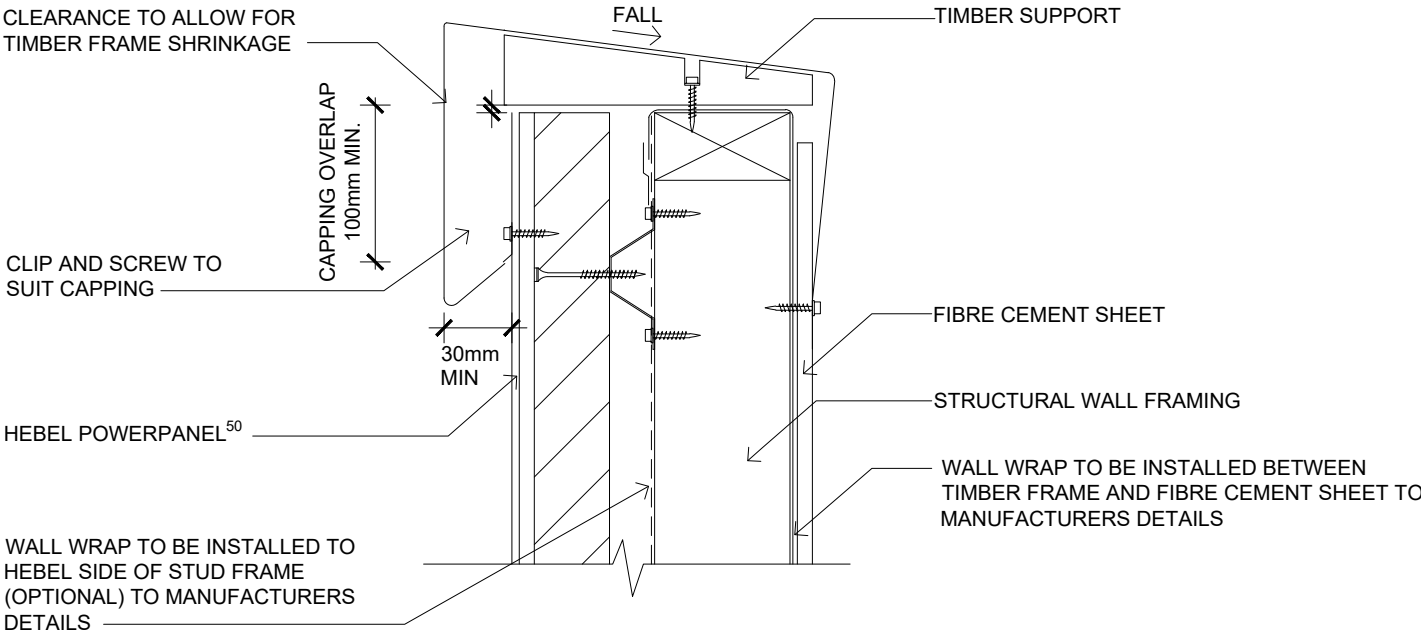


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FIGURE	TITLE			
	WALL JUNCTION DETAILS & SECTIONS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
	1:5 @ A3	A3	ZK	26.10.18
HELIT018 OCTOBER18		SHEET NO. 2 of 6	CHECK ZK	REVISION B

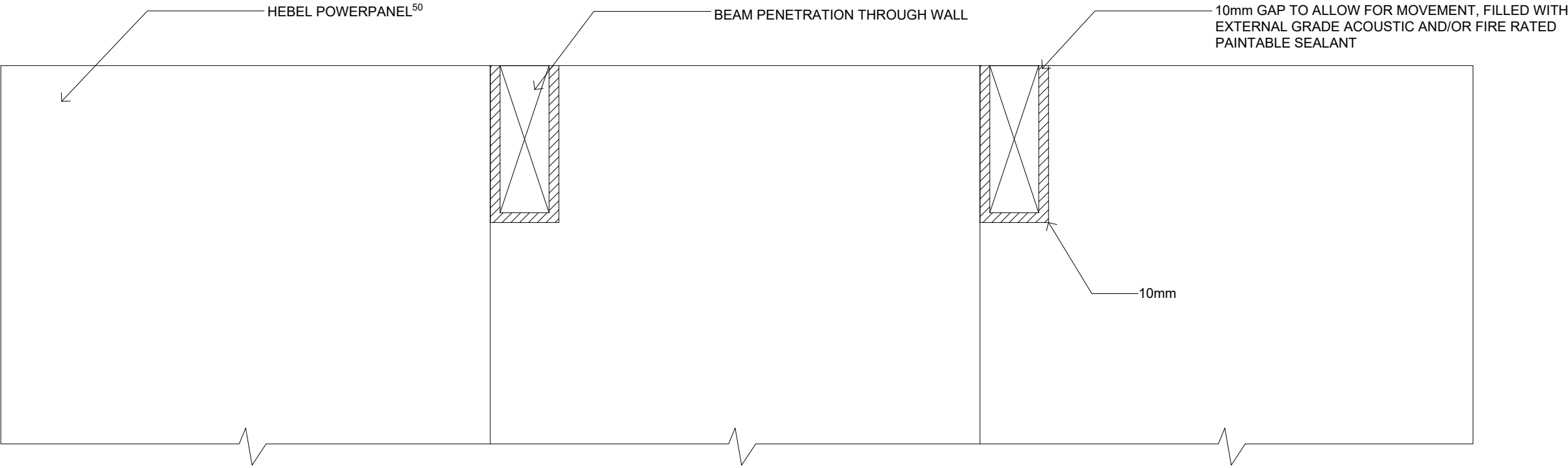
WALL JUNCTION DETAILS & SECTIONS

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



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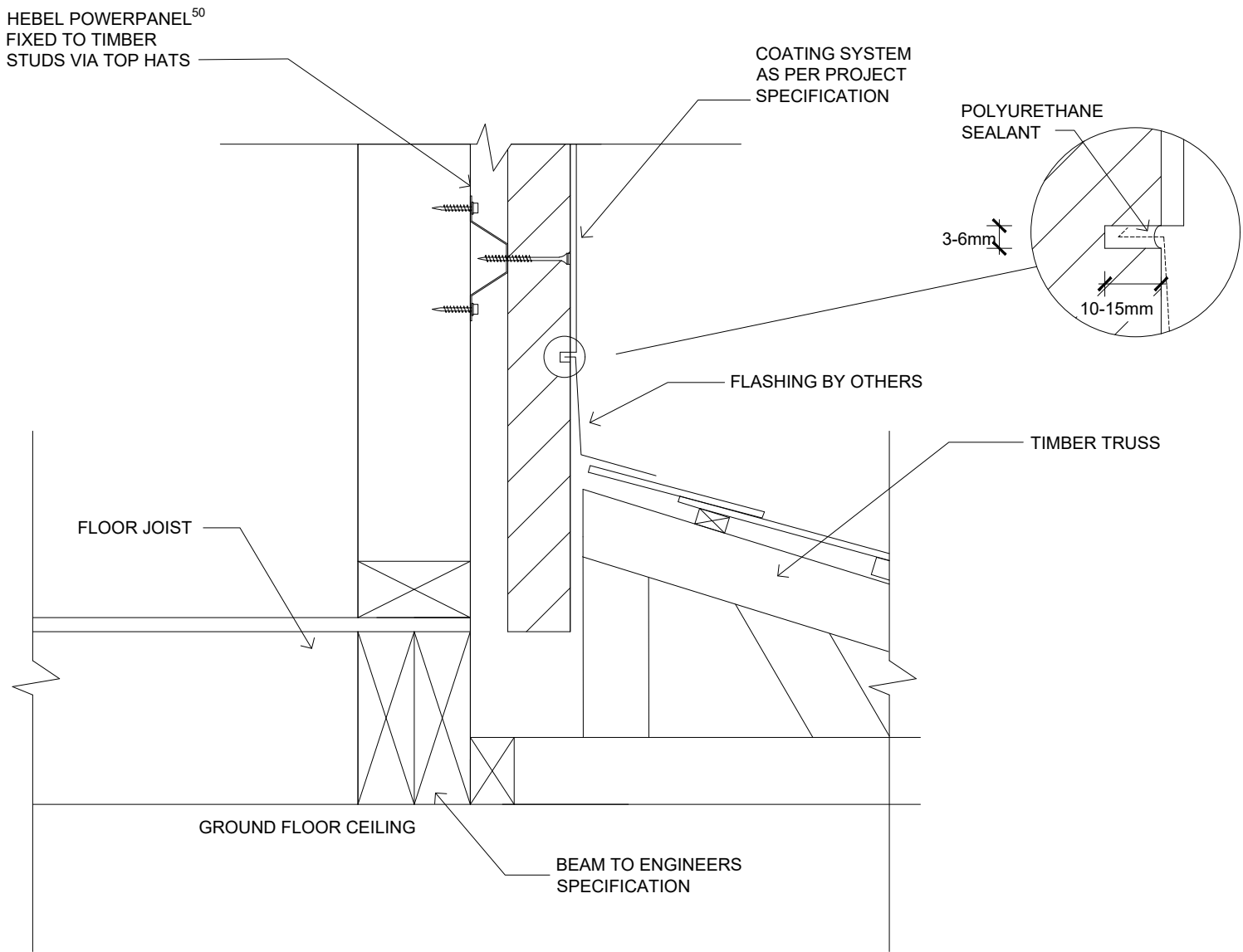


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FIGURE
3.5.6.6 & 3.5.6.10
DESIGN GUIDE REFERENCE
HELIT018
OCTOBER18

TITLE WALL JUNCTION DETAILS & SECTIONS			
SCALE 1:5 @ A3	SHEET SIZE A3	DRAWN ZK	DATE 26.10.18
	SHEET NO. 3 of 6	CHECK ZK	REVISION B

WALL JUNCTION DETAILS & SECTIONS



HEBEL TO PITCHED ROOF JUNCTION
SCALE 1:5



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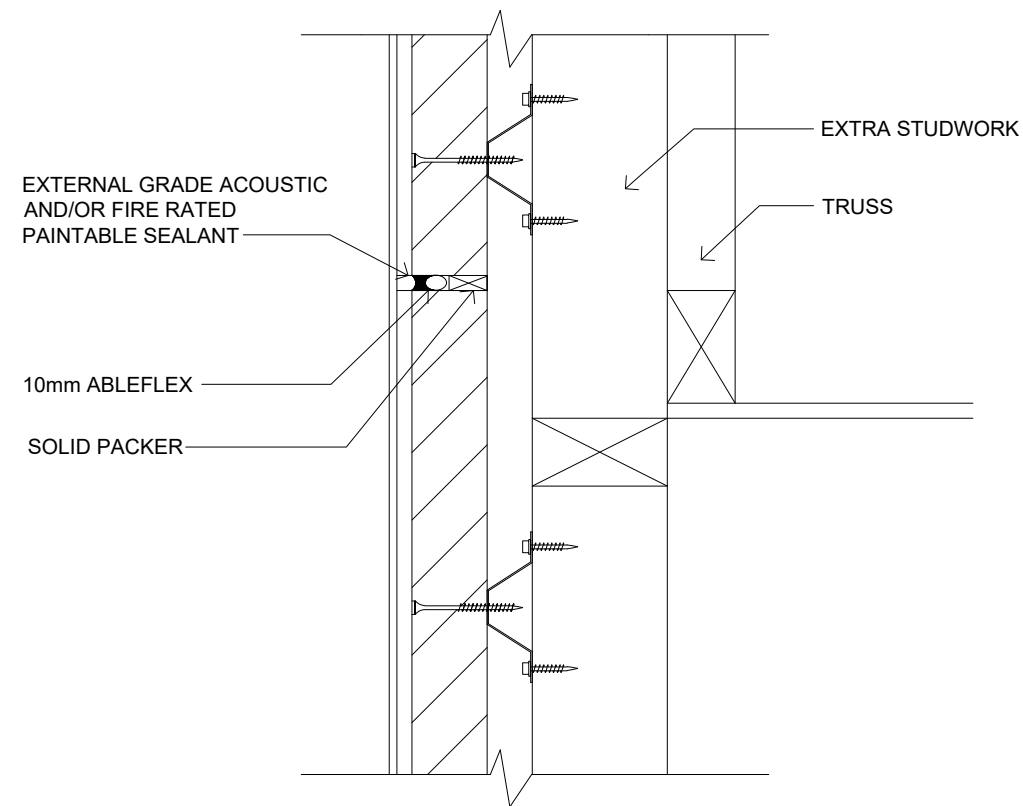
FIGURE
3.5.6.7

DESIGN GUIDE REFERENCE
HELIT018
OCTOBER18

TITLE
WALL JUNCTION DETAILS & SECTIONS

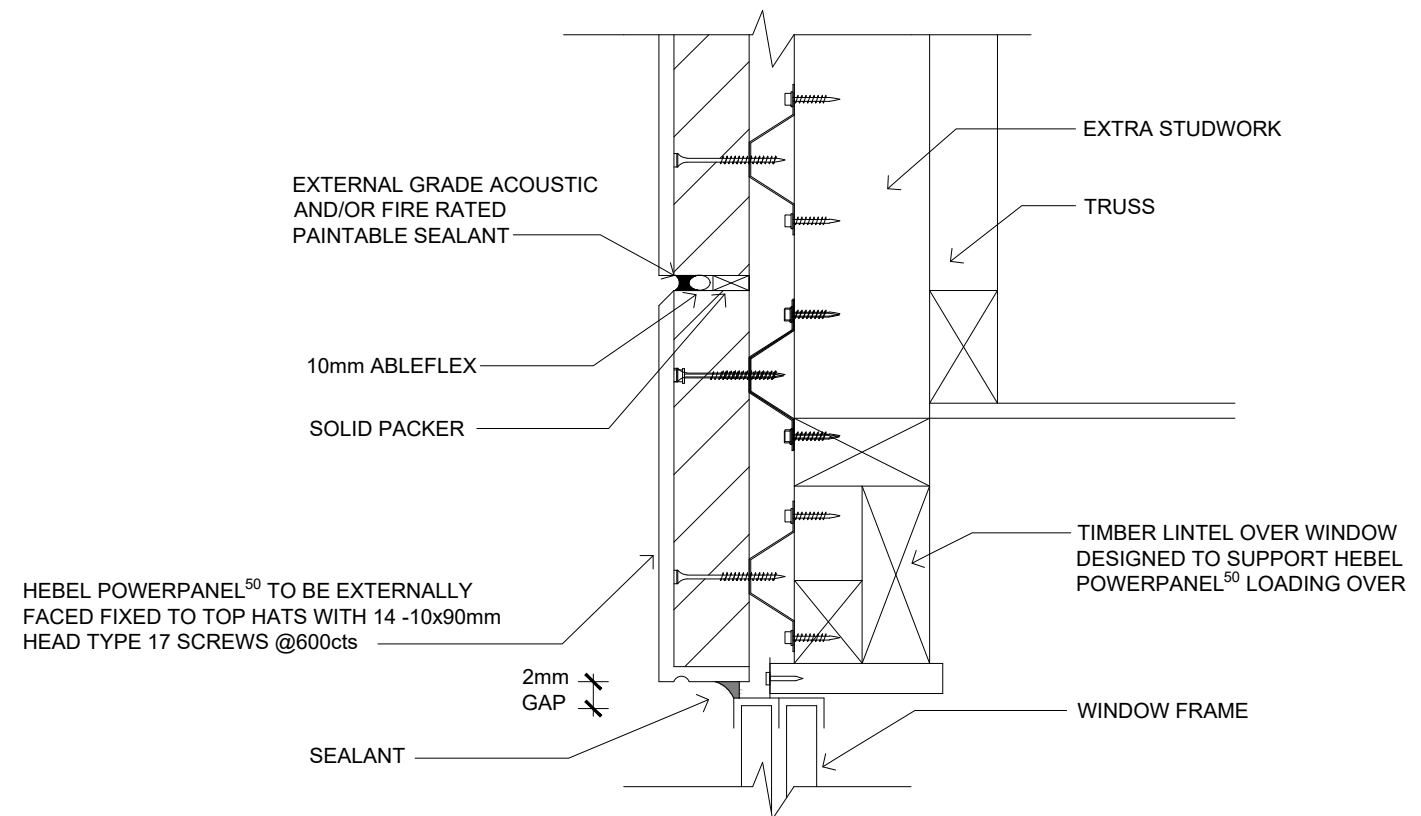
SCALE	SHEET SIZE	DRAWN	DATE
1:5 @ A3	A3	ZK	26.10.18
SHEET NO.	CHECK	REVISION	
4 of 6	ZK	B	

WALL JUNCTION DETAILS & SECTIONS



GABLE END WALL DETAIL

SCALE 1:5



GABLE END WALL DETAIL - LINTEL PANEL OVER WINDOW

SCALE 1:5



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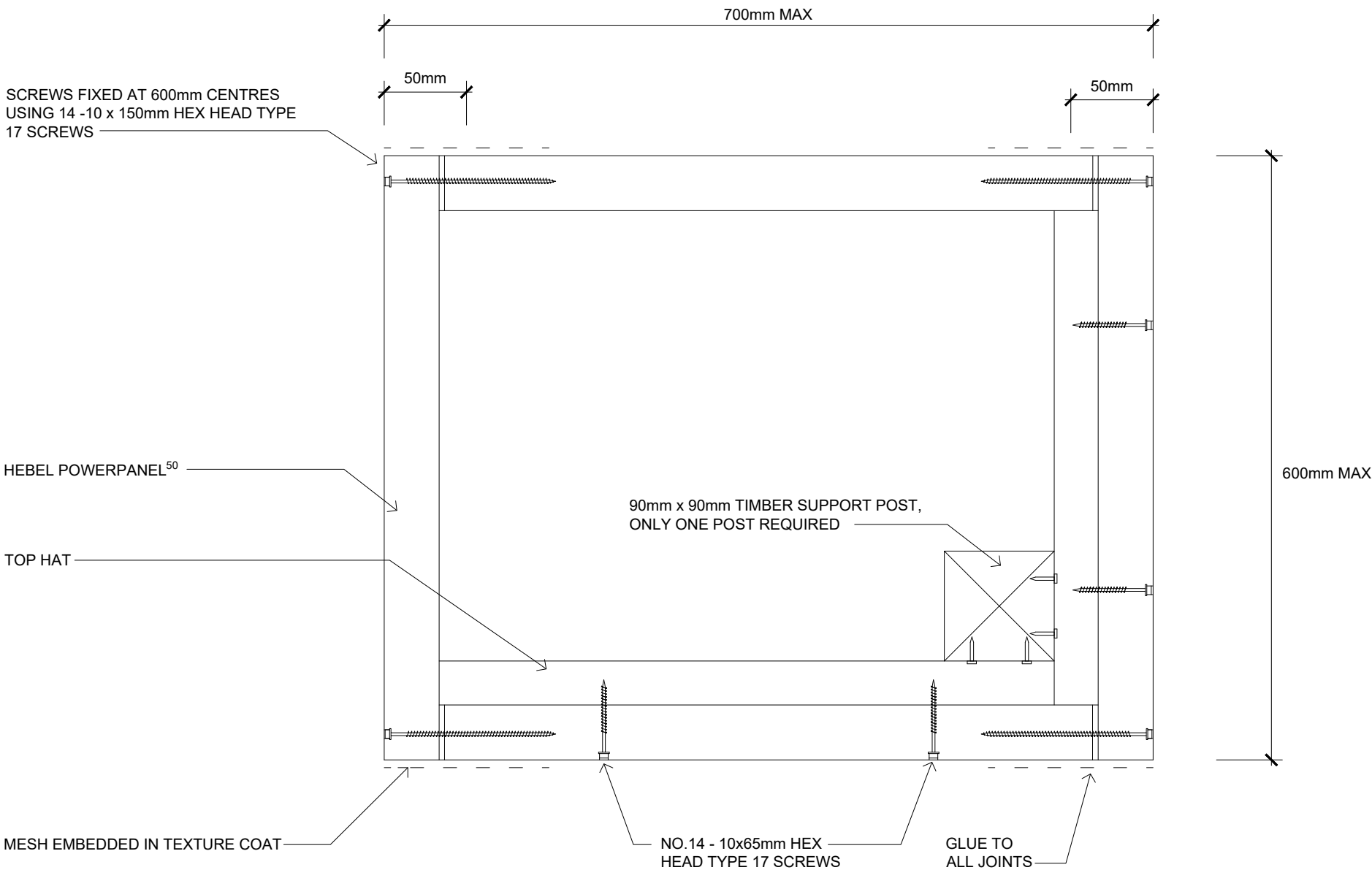


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FIGURE
3.5.6.8- 3.5.6.9
DESIGN GUIDE REFERENCE
HELIT018
OCTOBER18

TITLE WALL JUNCTION DETAILS & SECTIONS				
SCALE	SHEET SIZE	DRAWN	DATE	
1:5 @ A3	A3	ZK	26.10.18	
	SHEET NO. 5 of 6	CHECK ZK	REVISION B	

WALL JUNCTION DETAILS & SECTIONS



COLUMN DETAIL (GLUED AND SCREWED)
SCALE 1:5



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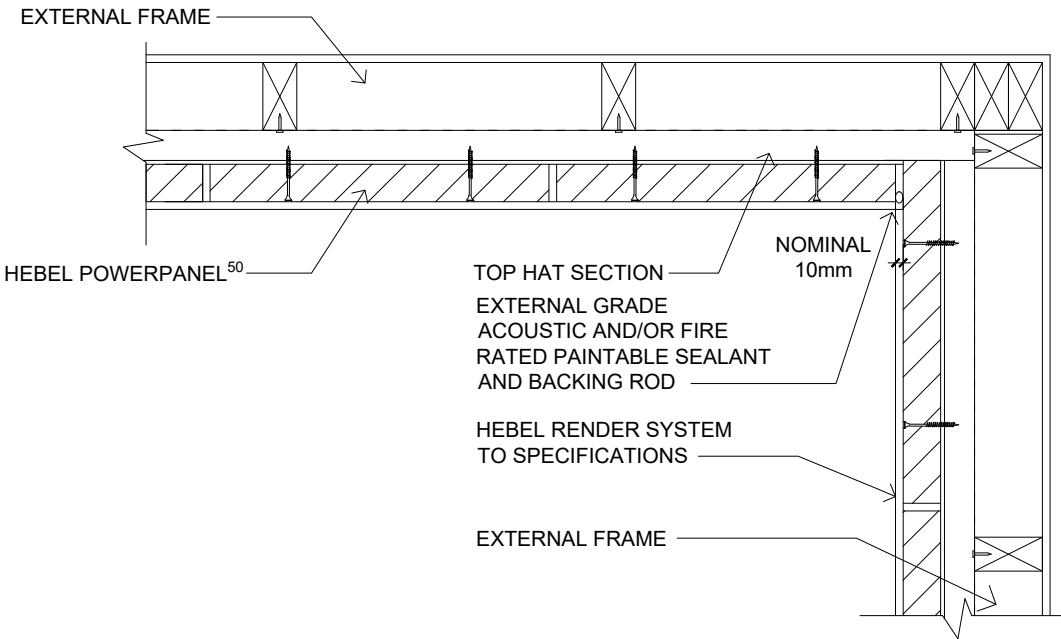


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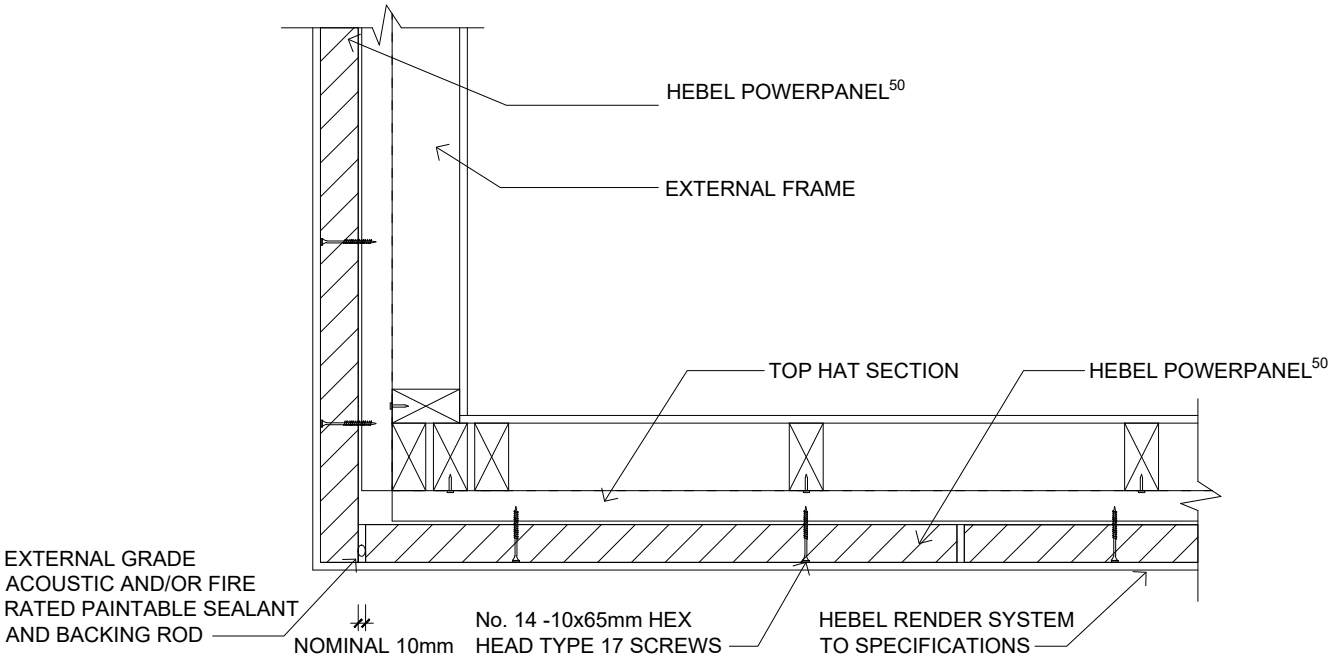
FIGURE	TITLE			
	WALL JUNCTION DETAILS & SECTIONS			
SCALE	SHEET SIZE	DRAWN	DATE	
1:5 @ A3	A3	ZK	09.10.18	
DESIGN GUIDE REFERENCE	SHEET NO.	CHECK	REVISION	
HELIT018 OCTOBER18	6 of 6	ZK	A	

CONTROL JOINT DETAILS



INTERNAL CORNER
(ACHIEVES FRL 90/90/90 WHEN INSTALLED AS PART OF THE WALL SYSTEM. SEE SECTION 2.2 OF THE POWERPANEL⁵⁰ EXTERNAL WALLS DESIGN AND INSTALLATION GUIDE)

SCALE 1:10



EXTERNAL CORNER
(ACHIEVES FRL 90/90/90 WHEN INSTALLED AS PART OF THE WALL SYSTEM. SEE SECTION 2.2 OF THE POWERPANEL⁵⁰ EXTERNAL WALLS DESIGN AND INSTALLATION GUIDE)

SCALE 1:10



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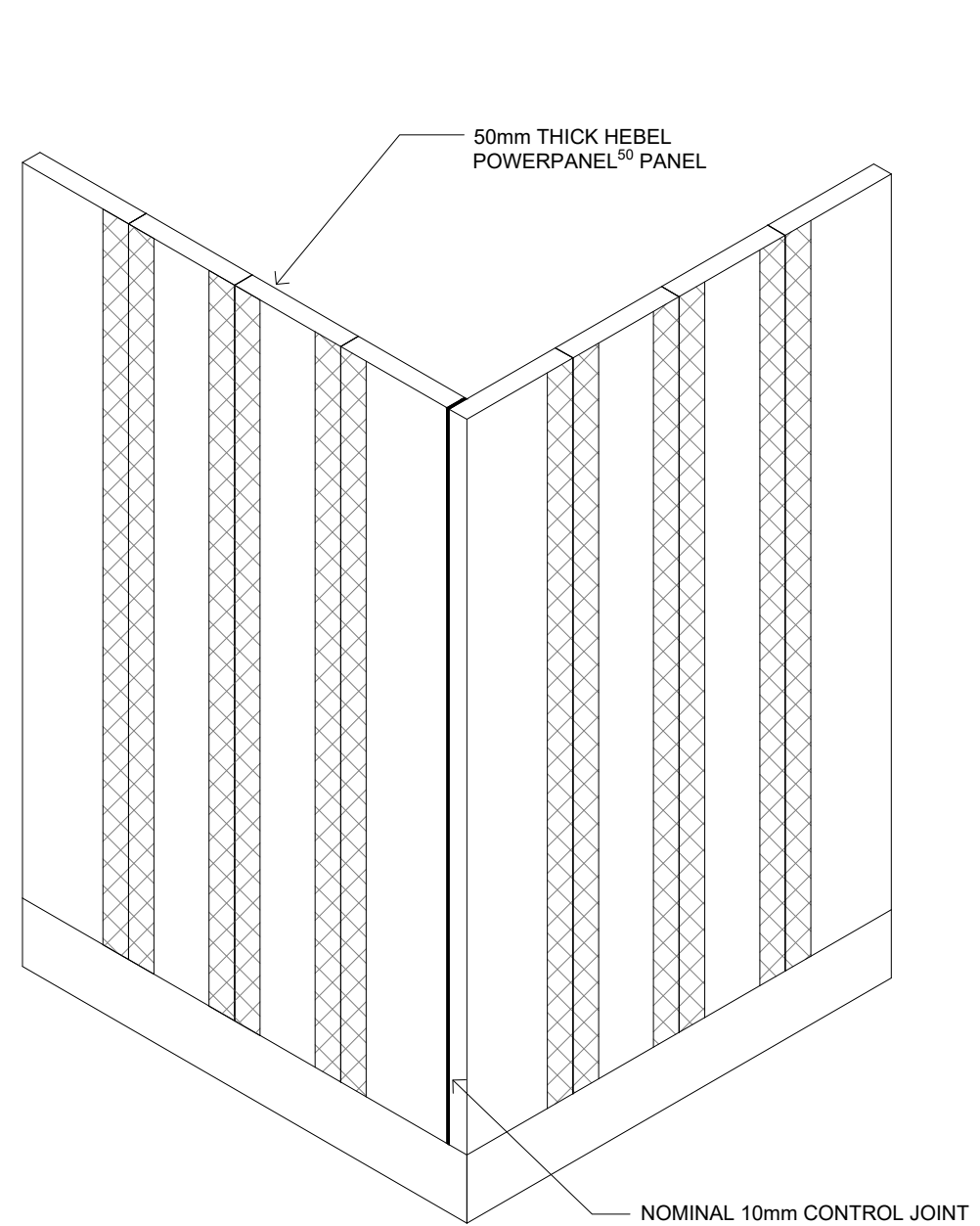


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FIGURE
3.5.7.1 - 3.5.7.2
DESIGN GUIDE REFERENCE
HELIT018
OCTOBER18

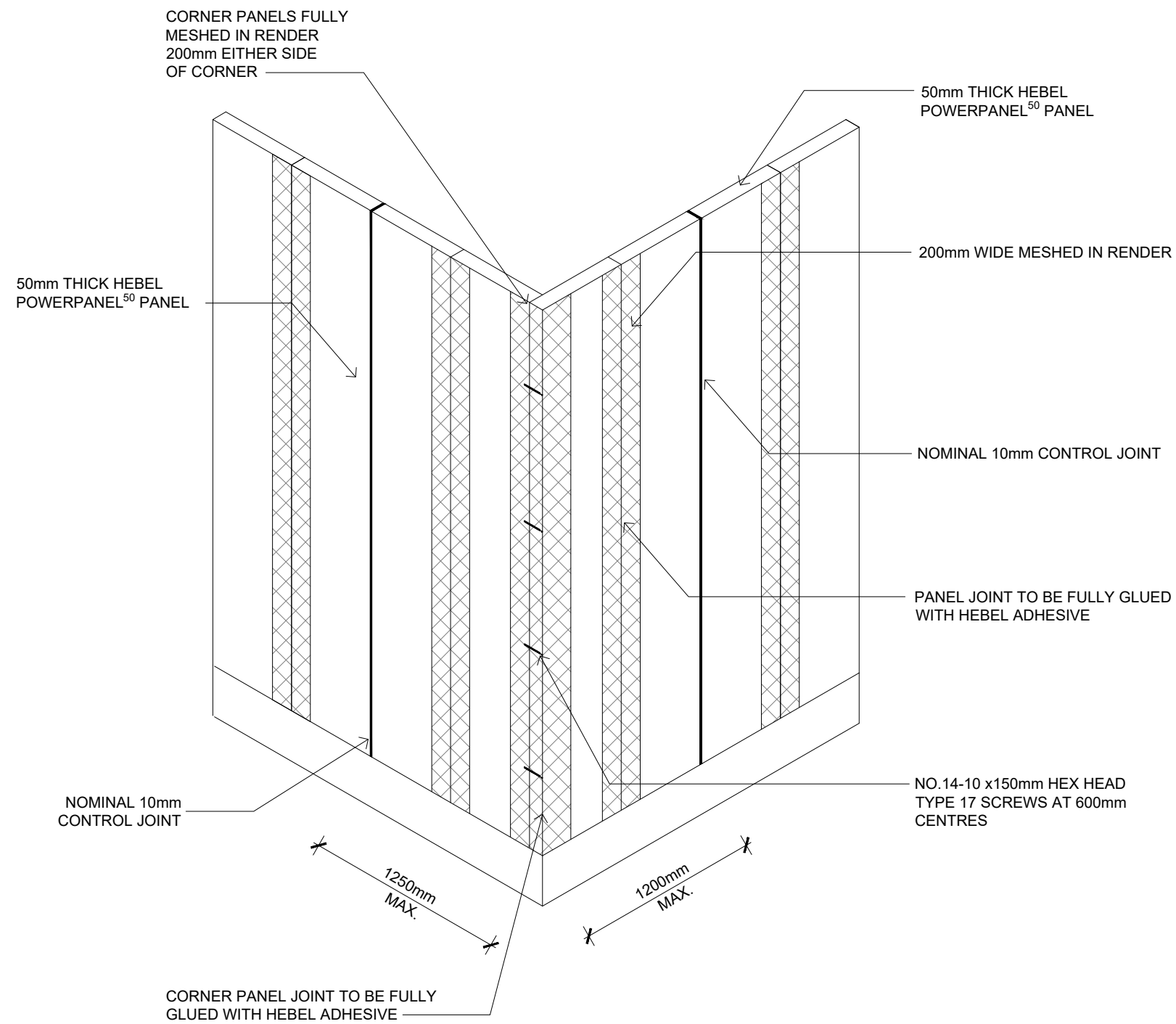
TITLE CONTROL JOINT DETAILS			
SCALE	SHEET SIZE	DRAWN	DATE
1:10 @ A3	A3	ZK	26.10.18
	SHEET NO. 1 of 7	CHECK ZK	REVISION B

CONTROL JOINT DETAILS



TYPICAL DETAIL FOR CONTROL JOINTS
POSITIONED ON CORNER

NTS

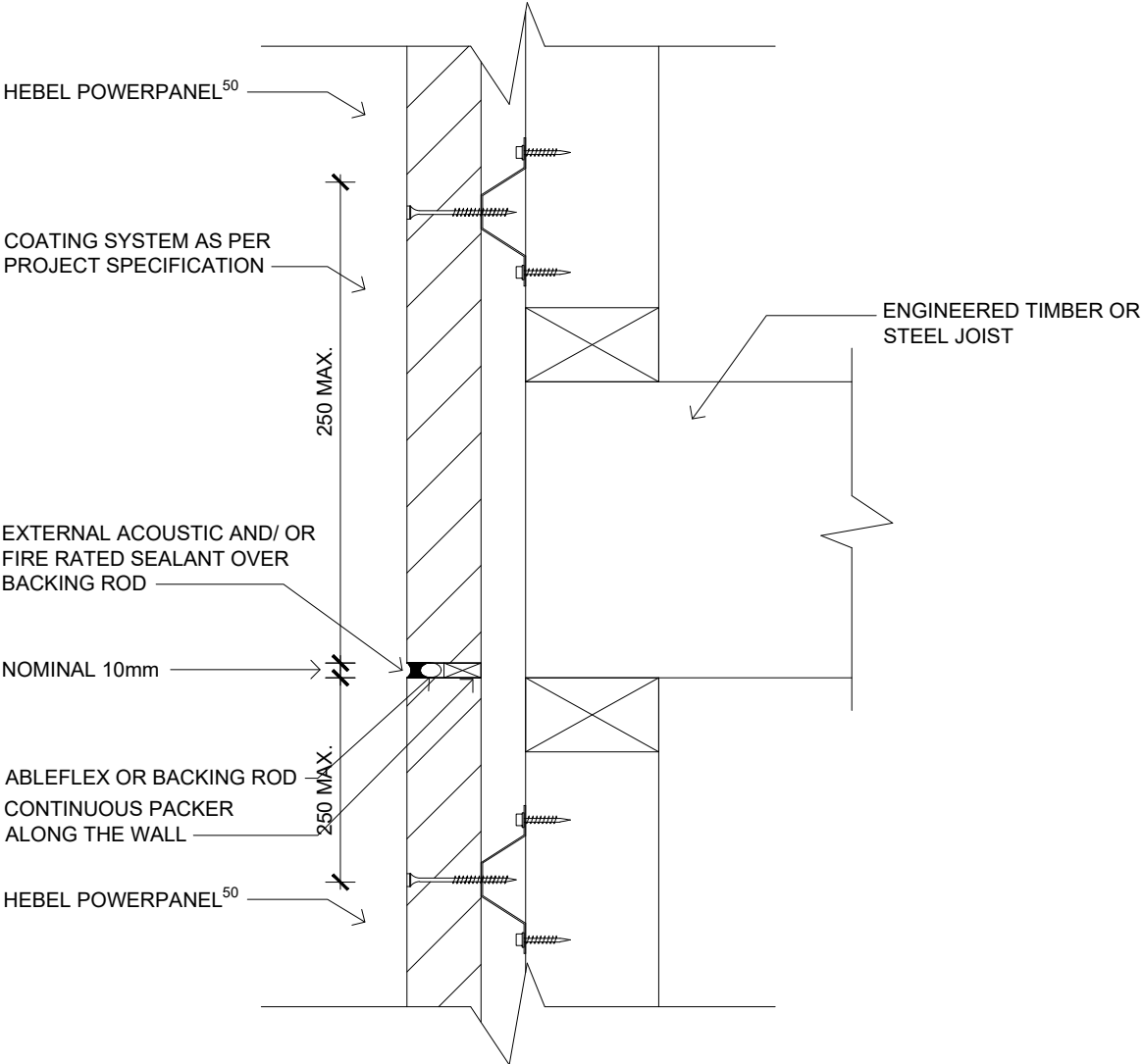


NOTE: CONTROL JOINT TO BE LOCATED AT OPENING IF LOCATED WITHIN THIS 1200 REGION

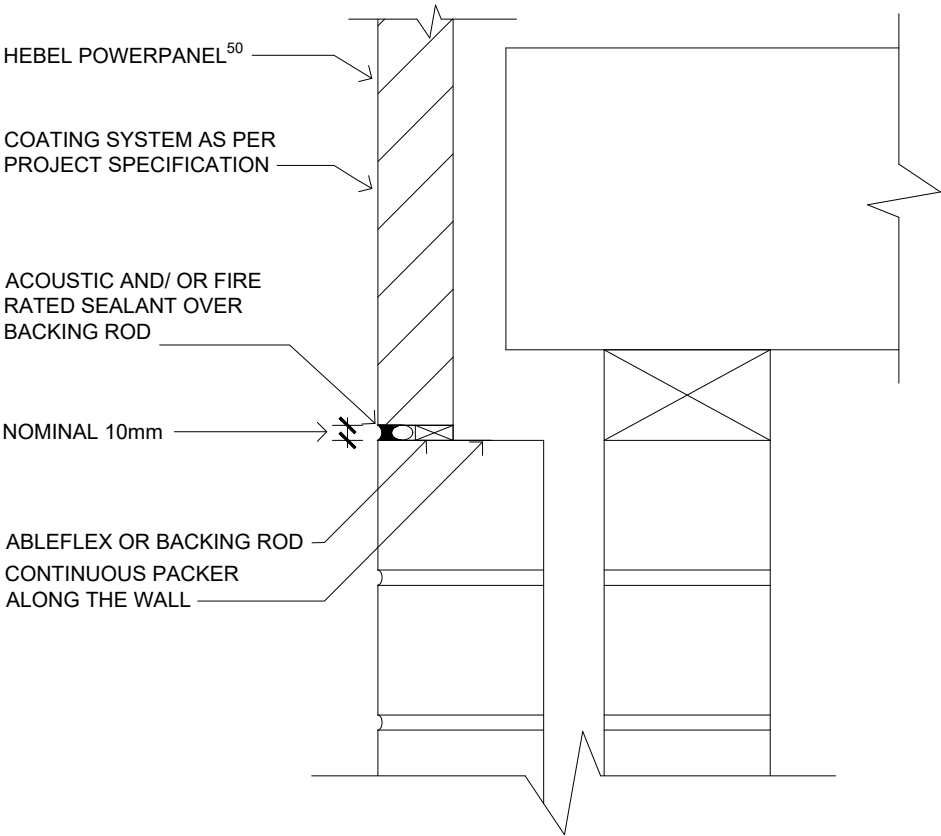
TYPICAL DETAIL FOR CONTROL JOINTS
POSITIONED AWAY FROM A CORNER

NTS

CONTROL JOINT DETAILS



TYPICAL HORIZONTAL CONTROL JOINT -
ENGINEERED TIMBER OR STEEL STUD FRAME
SCALE 1:5



HORIZONTAL CONTROL JOINT -
CAVITY BRICKWORK TO HEBEL POWERPANEL 50
SCALE 1:5



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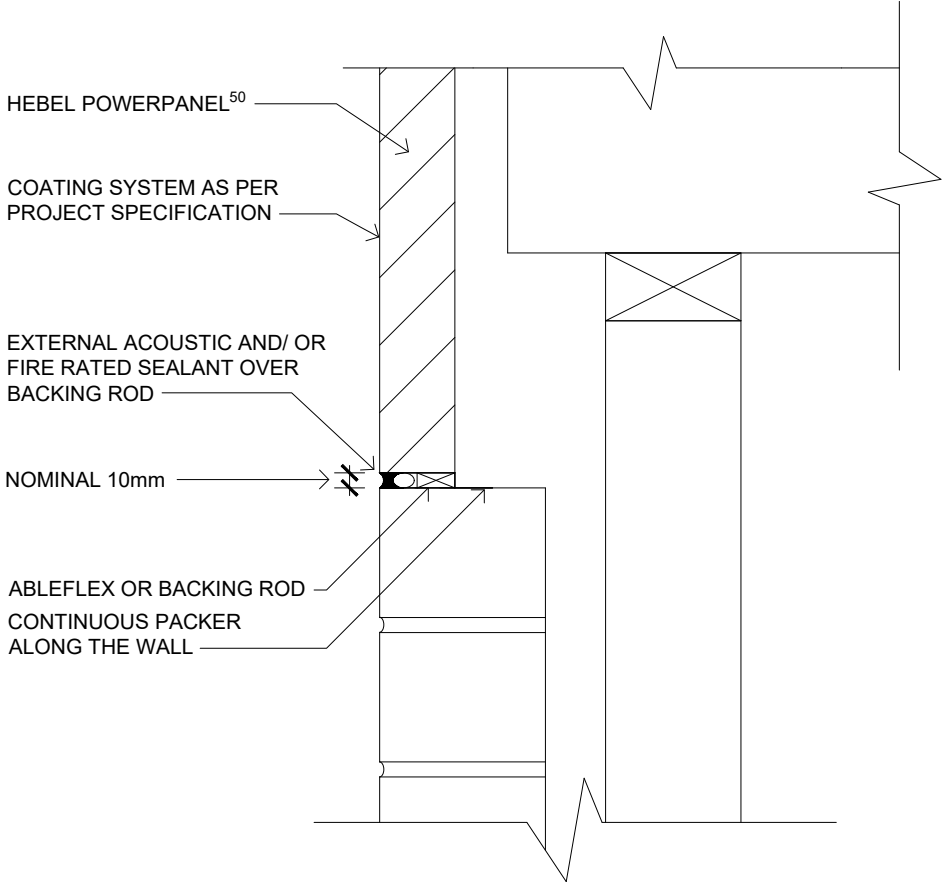


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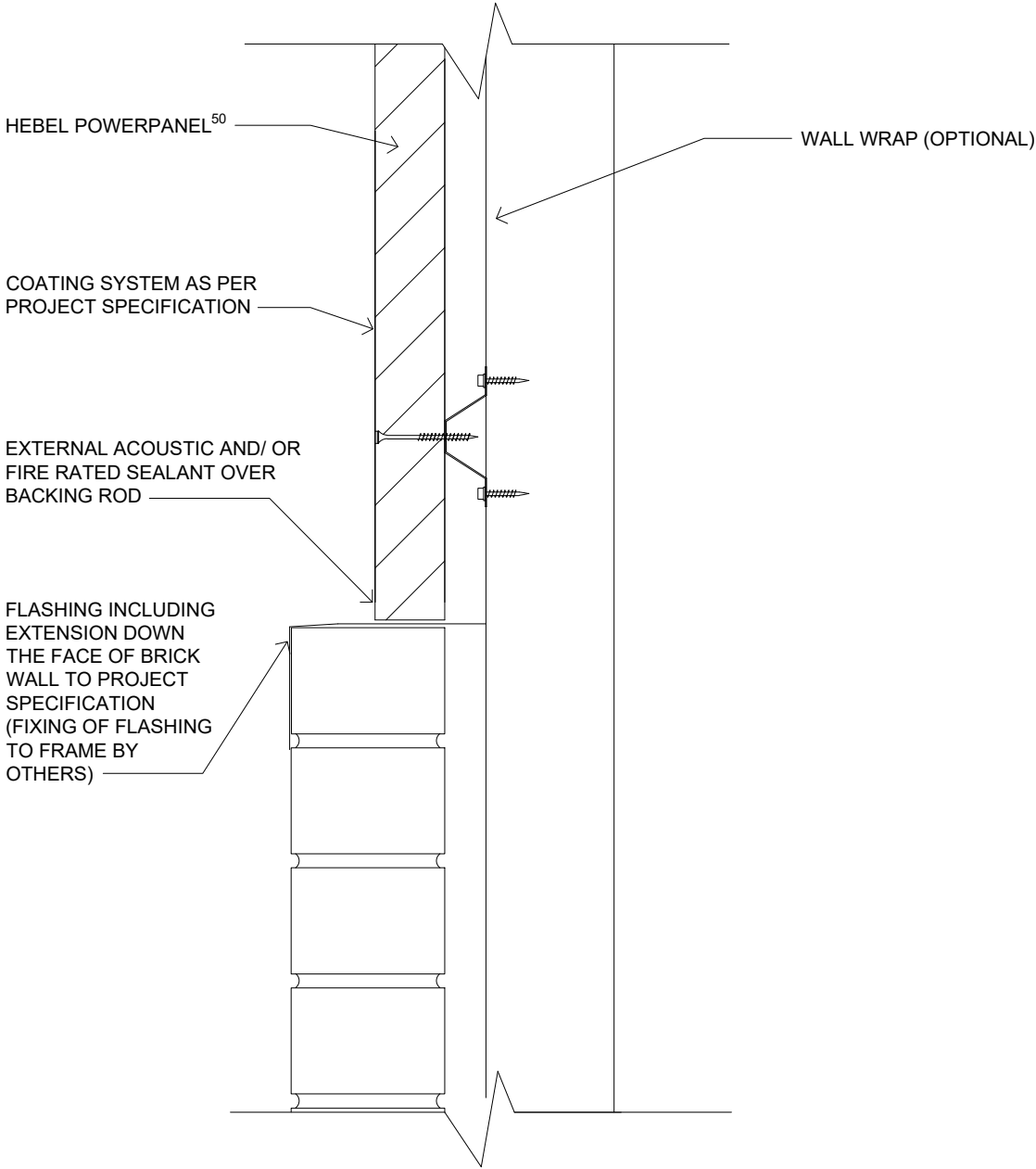
FIGURE
3.5.7.5 - 3.5.7.6
DESIGN GUIDE REFERENCE
HELIT018
OCTOBER18

TITLE CONTROL JOINT DETAILS			
SCALE	SHEET SIZE	DRAWN	DATE
1:5 @ A3	A3	ZK	26.10.18
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CONTROL JOINT DETAILS



HORIZONTAL CONTROL JOINT -
BRICK VENEER TO HEBEL POWERPANEL⁵⁰
SCALE 1:5



HORIZONTAL CONTROL JOINT -
BRICK VENEER TO HEBEL POWERPANEL⁵⁰
SCALE 1:5

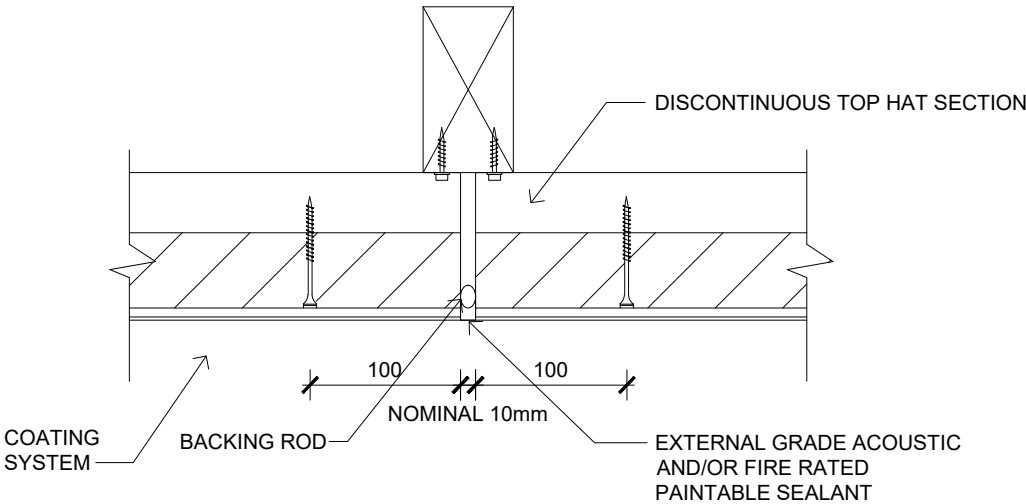


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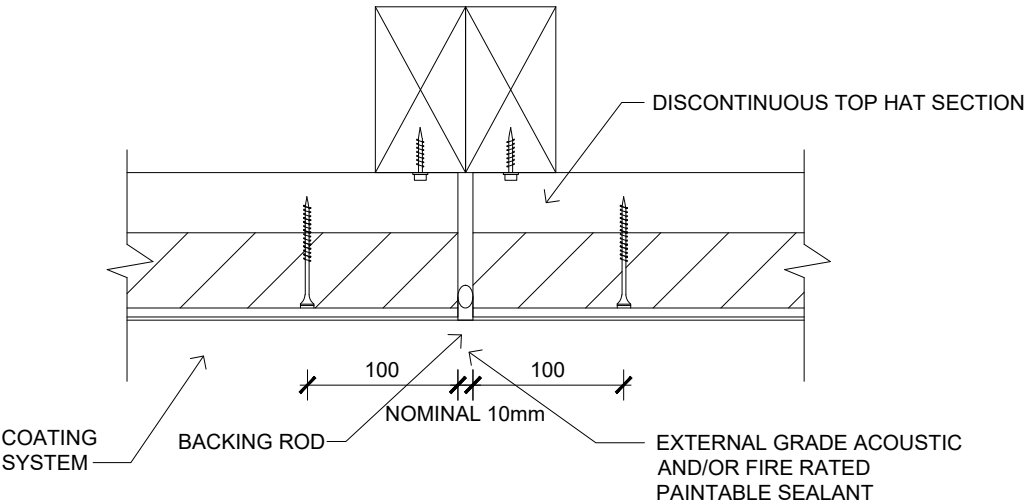
FIGURE		TITLE			
3.5.7.7 - 3.5.7.8		CONTROL JOINT DETAILS			
DESIGN GUIDE REFERENCE		SCALE	SHEET SIZE	DRAWN	DATE
HELIT018 OCTOBER18		1:5 @ A3	A3	ZK	26.10.18
			SHEET NO.	CHECK	REVISION
			4 of 7	ZK	B

CONTROL JOINT DETAILS



TYPICAL VERTICAL CONTROL JOINT
(ACHIEVES FRL 90/90/90 WHEN INSTALLED AS PART OF THE
WALL SYSTEM. SEE SECTION 2.2 OF THE POWERPANEL⁵⁰
EXTERNAL WALLS DESIGN AND INSTALLATION GUIDE)

SCALE 1:5



TYPICAL VERTICAL CONTROL JOINT WITH DOUBLE STUDS
(ACHIEVES FRL 90/90/90 WHEN INSTALLED AS PART OF THE
WALL SYSTEM. SEE SECTION 2.2 OF THE POWERPANEL⁵⁰
EXTERNAL WALLS DESIGN AND INSTALLATION GUIDE)

SCALE 1:5



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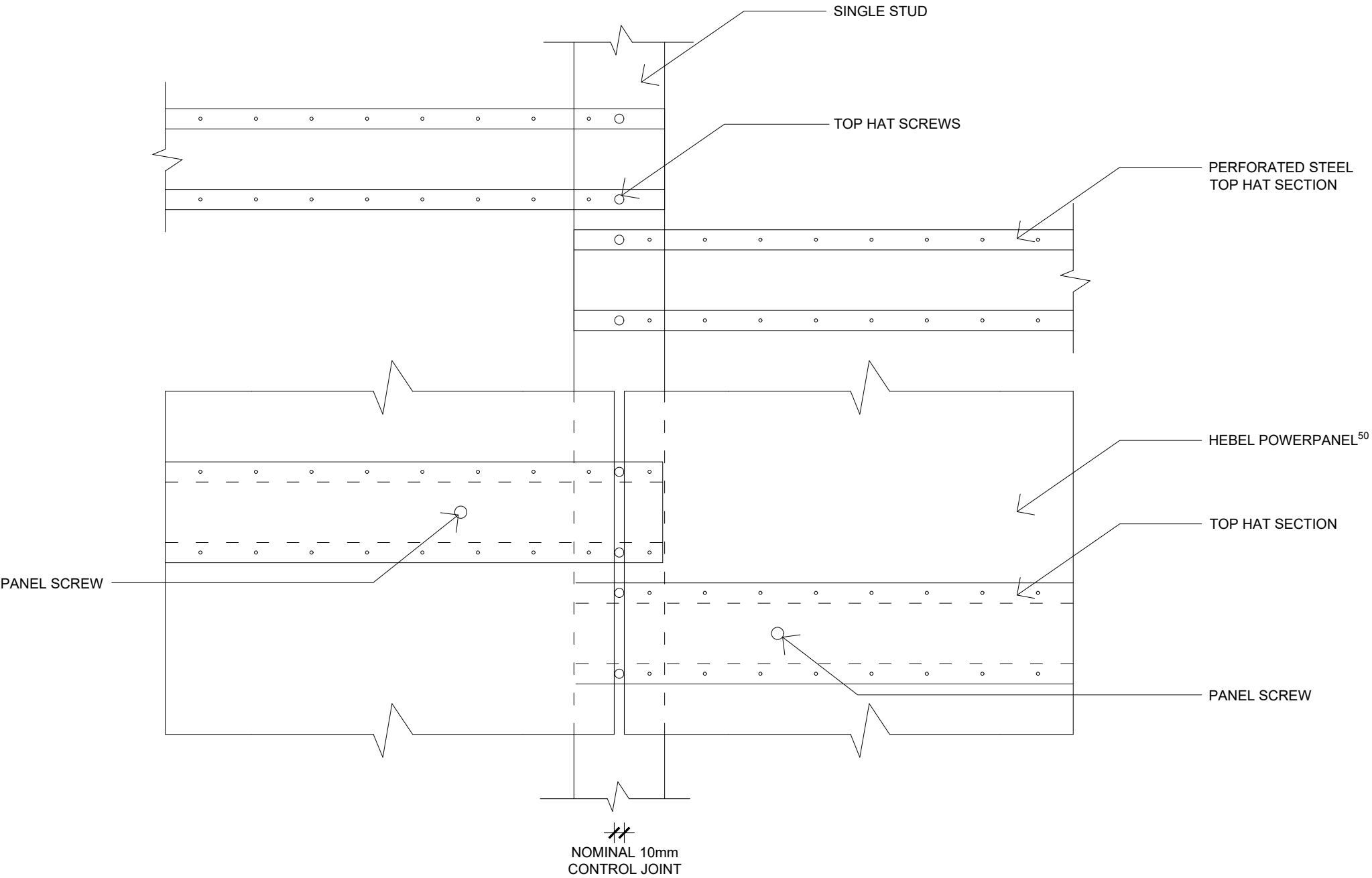


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FIGURE
3.5.7.9 - 3.5.7.10
DESIGN GUIDE REFERENCE
HELIT018
OCTOBER18

TITLE CONTROL JOINT DETAILS			
SCALE	SHEET SIZE	DRAWN	DATE
1:5 @ A3	A3	ZK	26.10.18
SHEET NO. 5 of 7		CHECK	REVISION
		ZK	B

CONTROL JOINT DETAILS



DISCONTINUOUS TOP HATS ON A SINGLE STUD
SCALE 1:5



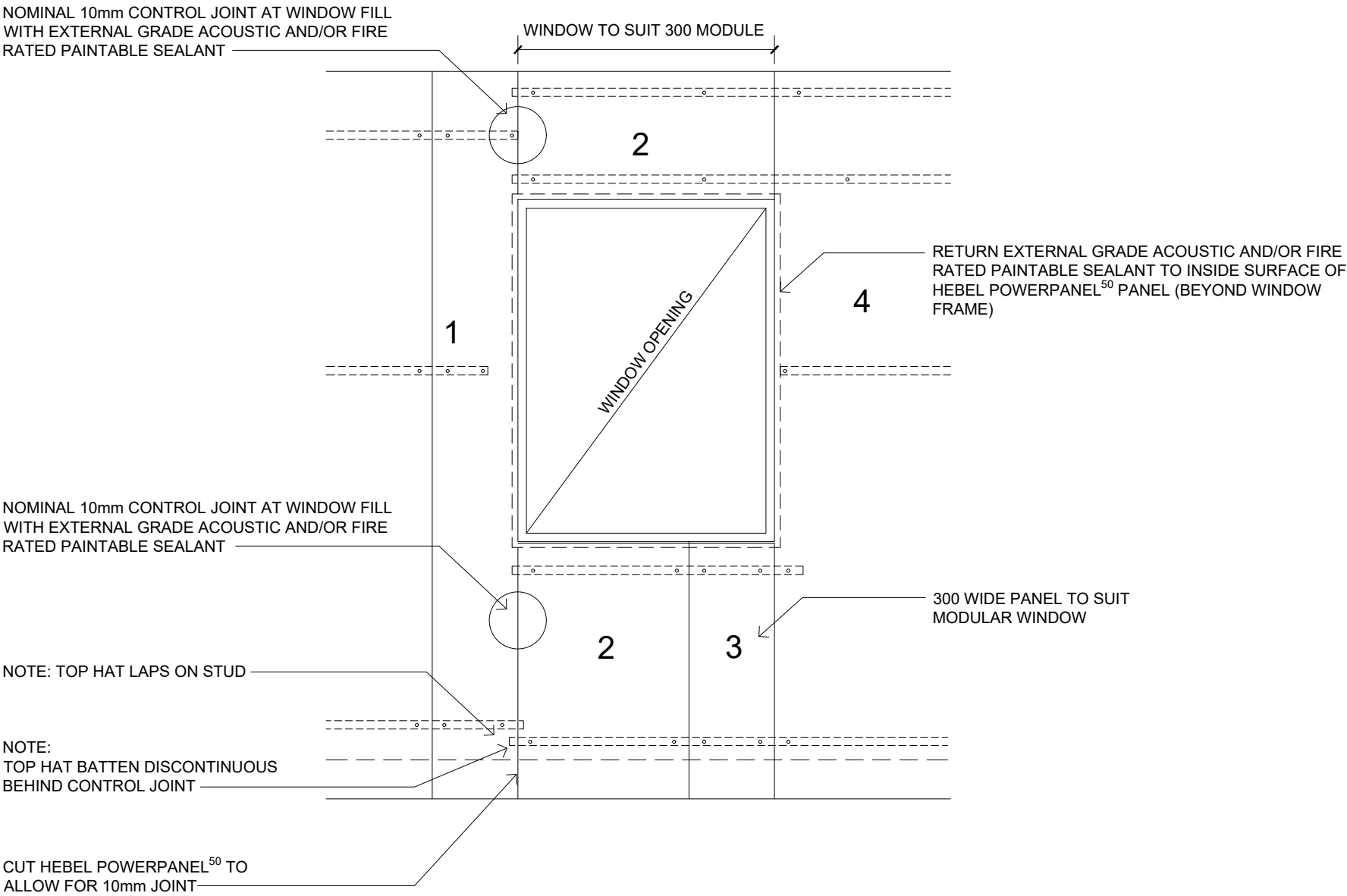
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FIGURE	TITLE			
	CONTROL JOINT DETAILS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
	1:5 @ A3	A3	ZK	09.10.18
HELIT018 OCTOBER18		SHEET NO. 6 of 7	CHECK ZK	REVISION A

CONTROL JOINT DETAILS



TYPICAL WINDOW CONTROL JOINT DETAIL - LINTEL OVER

SCALE 1:5

NOTE:
THE INSTALLATION SEQUENCE OF THE POWERPANEL⁵⁰ 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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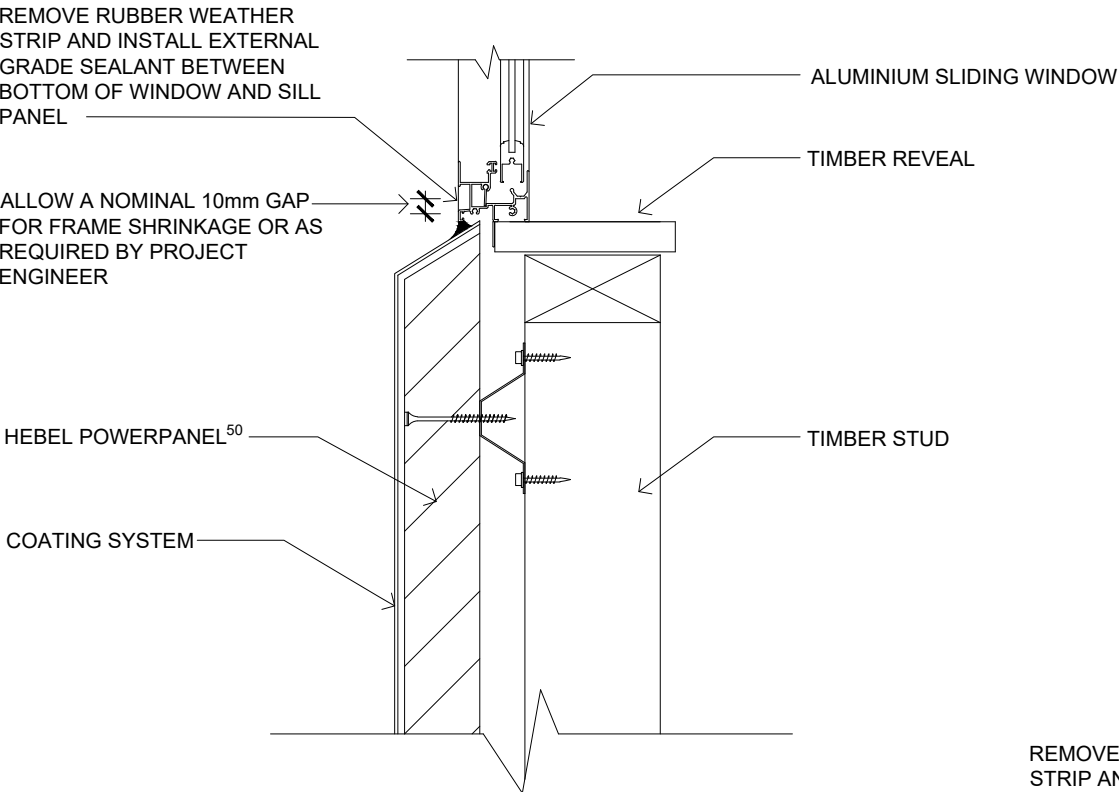


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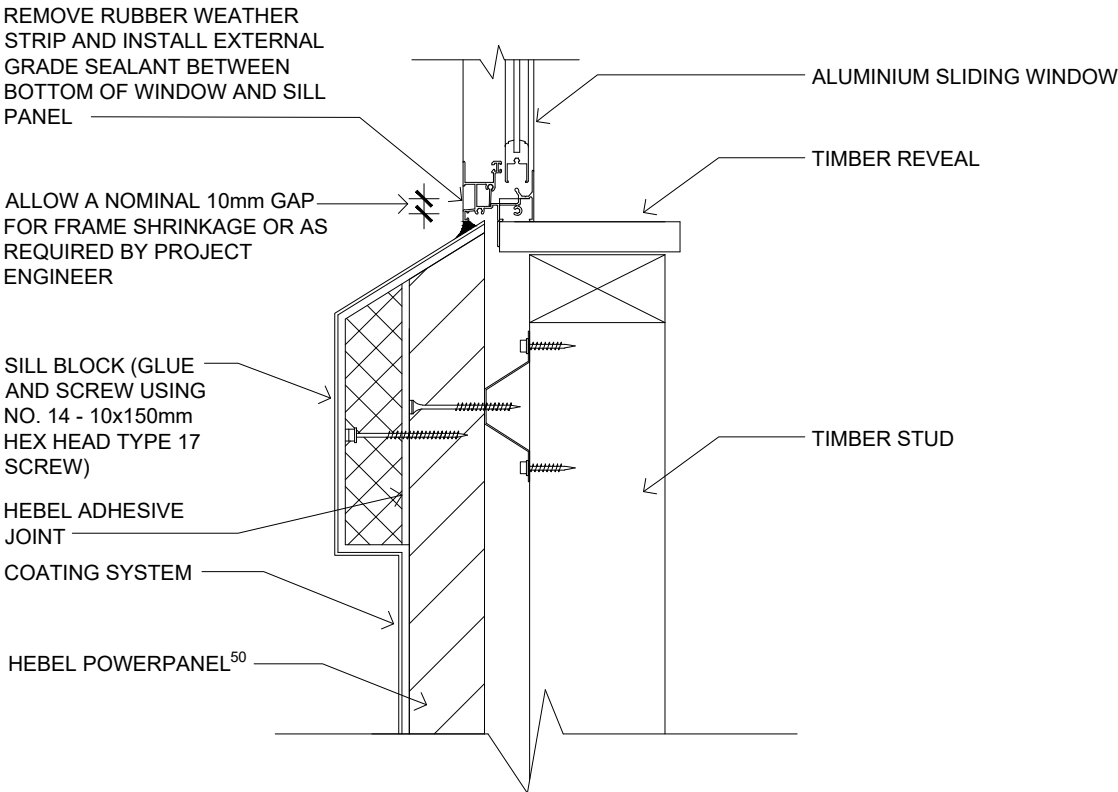
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FIGURE	TITLE			
	CONTROL JOINT DETAILS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
	1:20 @ A3	A3	ZK	09.10.18
HELIT018 OCTOBER18		SHEET NO 7 of 7	CHECK ZK	REVISION A

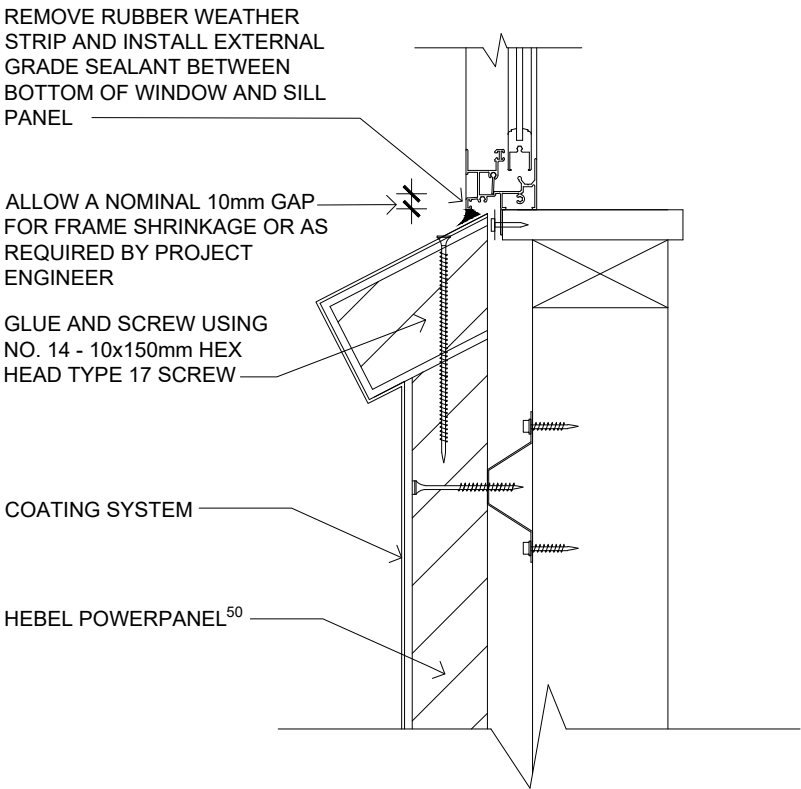
DOOR AND WINDOW DETAILS



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.



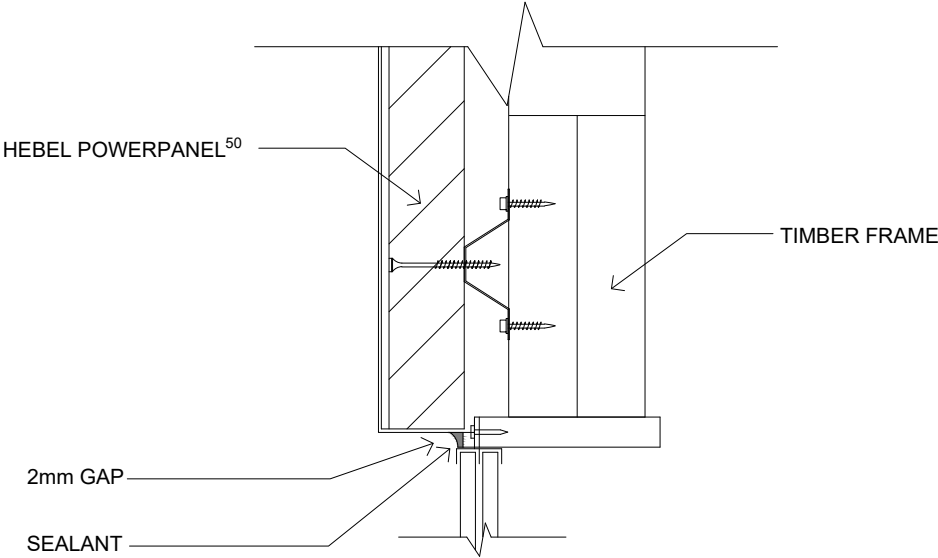
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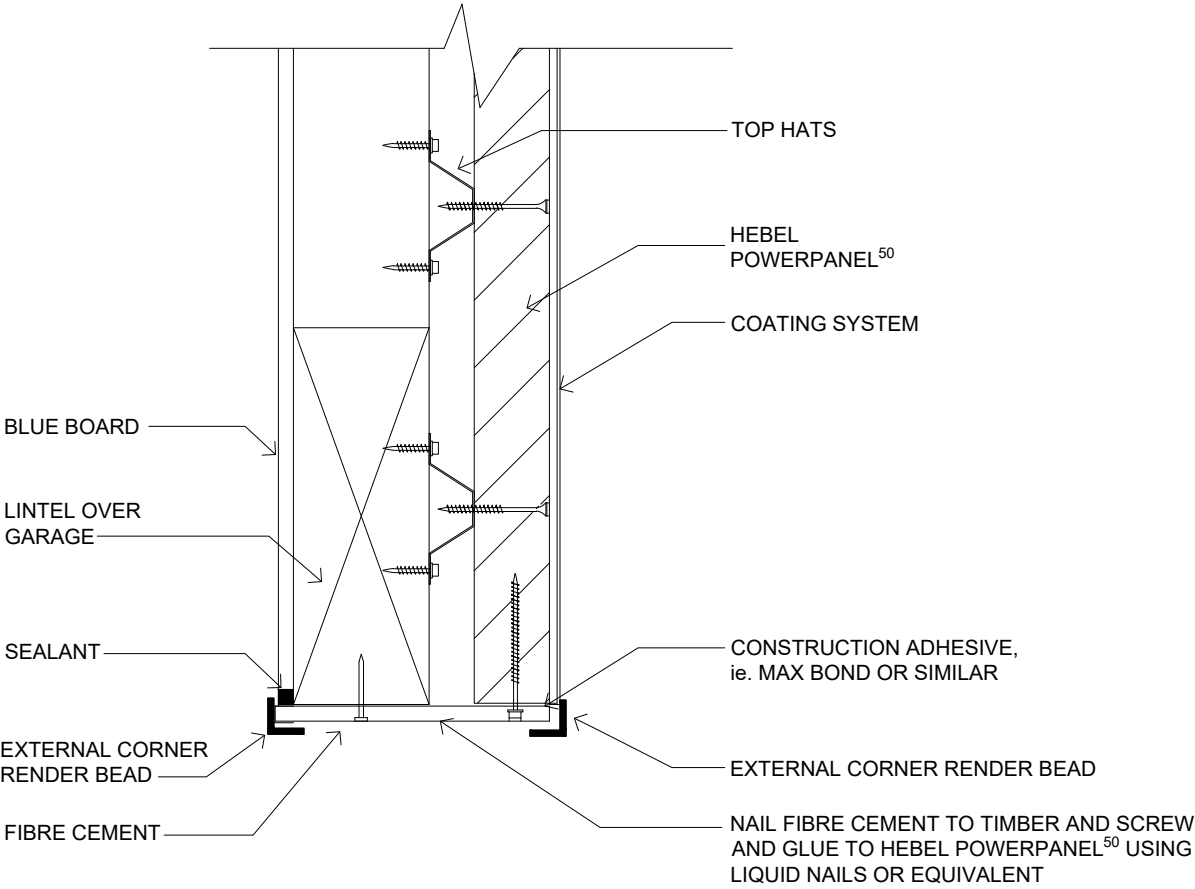
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FIGURE		TITLE			
3.5.8.1 - 3.5.8.3		DOOR AND WINDOW DETAILS			
DESIGN GUIDE REFERENCE		SCALE	SHEET SIZE	DRAWN	DATE
HELIT018 OCTOBER18		1:5 @ A3	A3	ZK	26.10.18
			SHEET NO.	CHECK	REVISION
			1 of 4	ZK	B

DOOR AND WINDOW DETAILS



HEADER DETAIL
SCALE 1:5



GARAGE HEAD DETAIL
SCALE 1:5



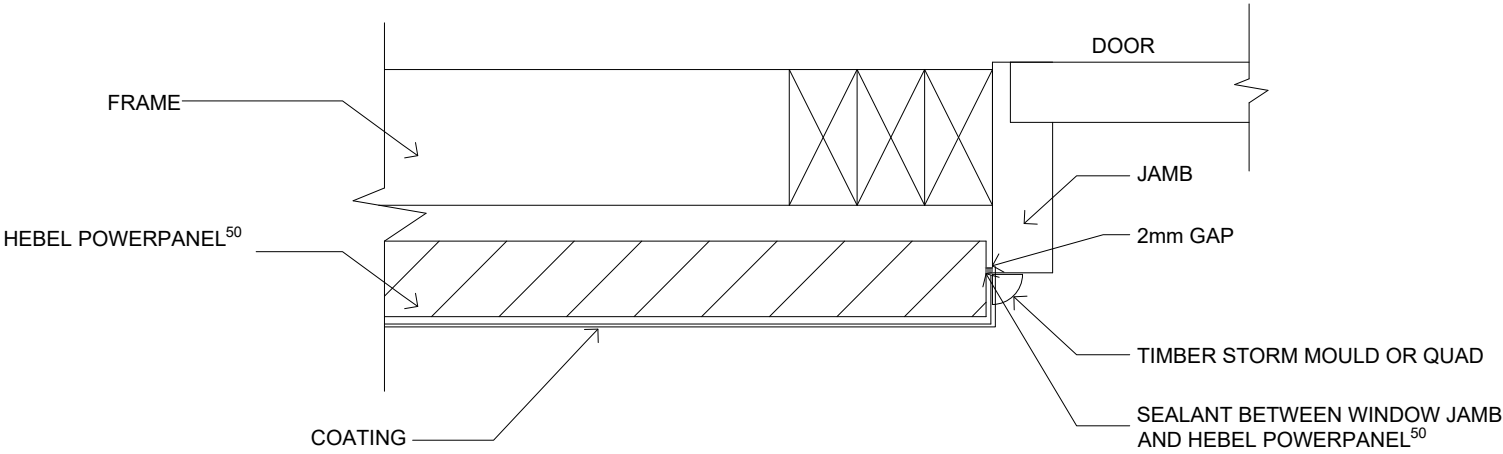
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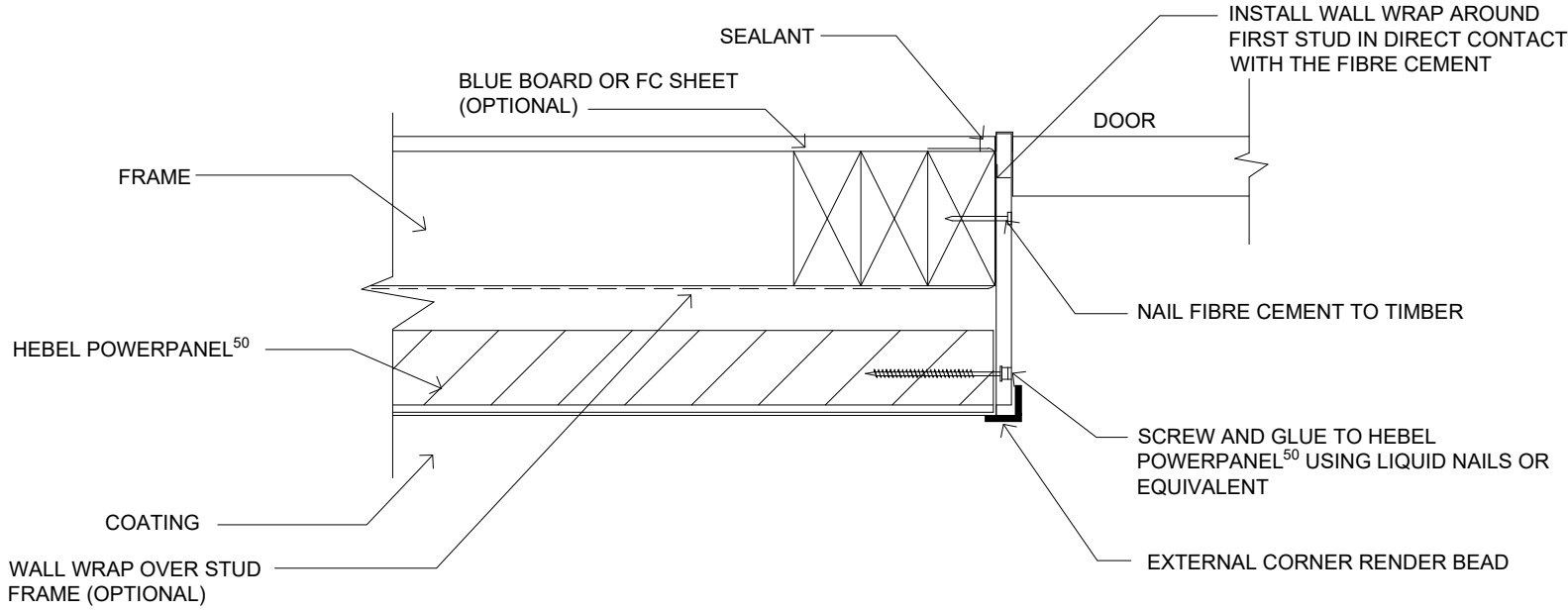
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FIGURE	TITLE			
	DOOR AND WINDOW DETAILS			
SCALE	SHEET SIZE	DRAWN	DATE	
1:5 @ A3	A3	ZK	26.10.18	
	SHEET NO. 2 of 4	CHECK ZK	REVISION B	

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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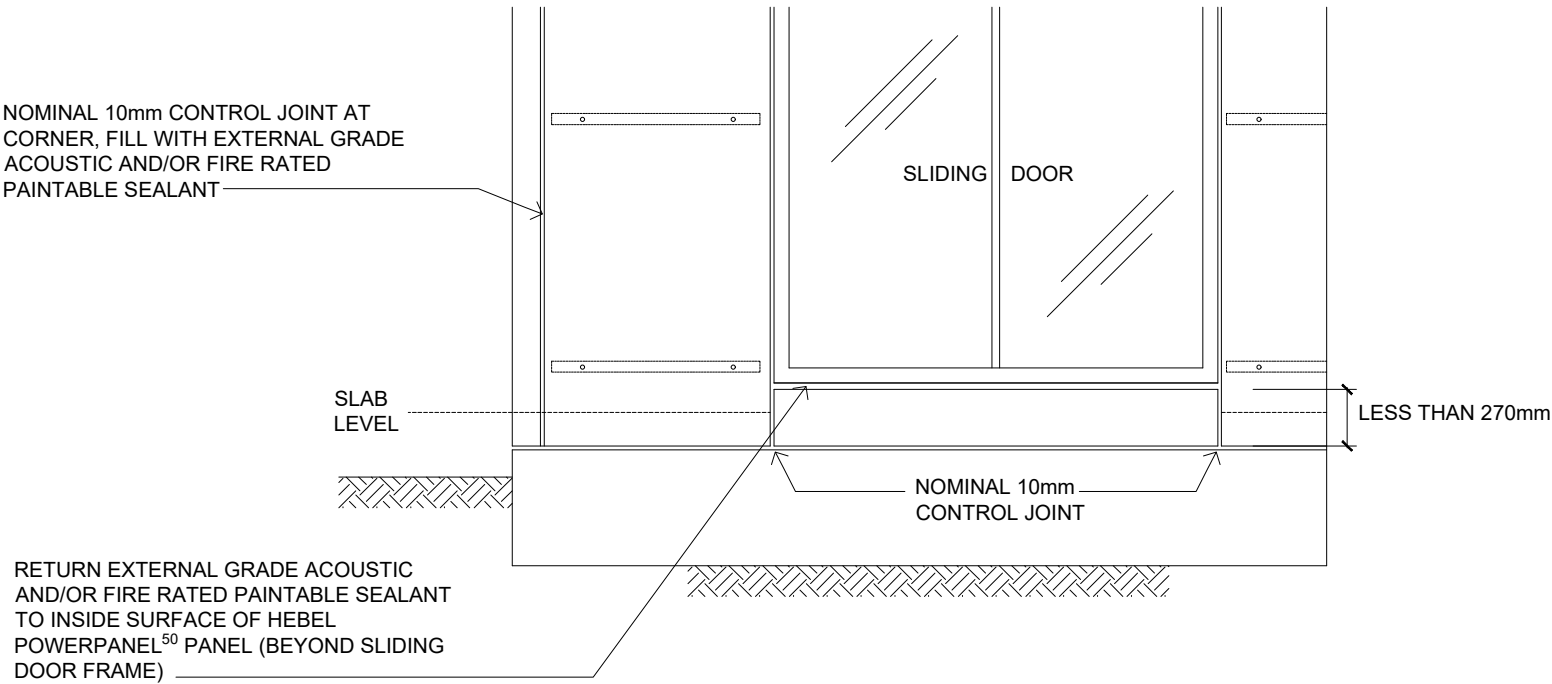


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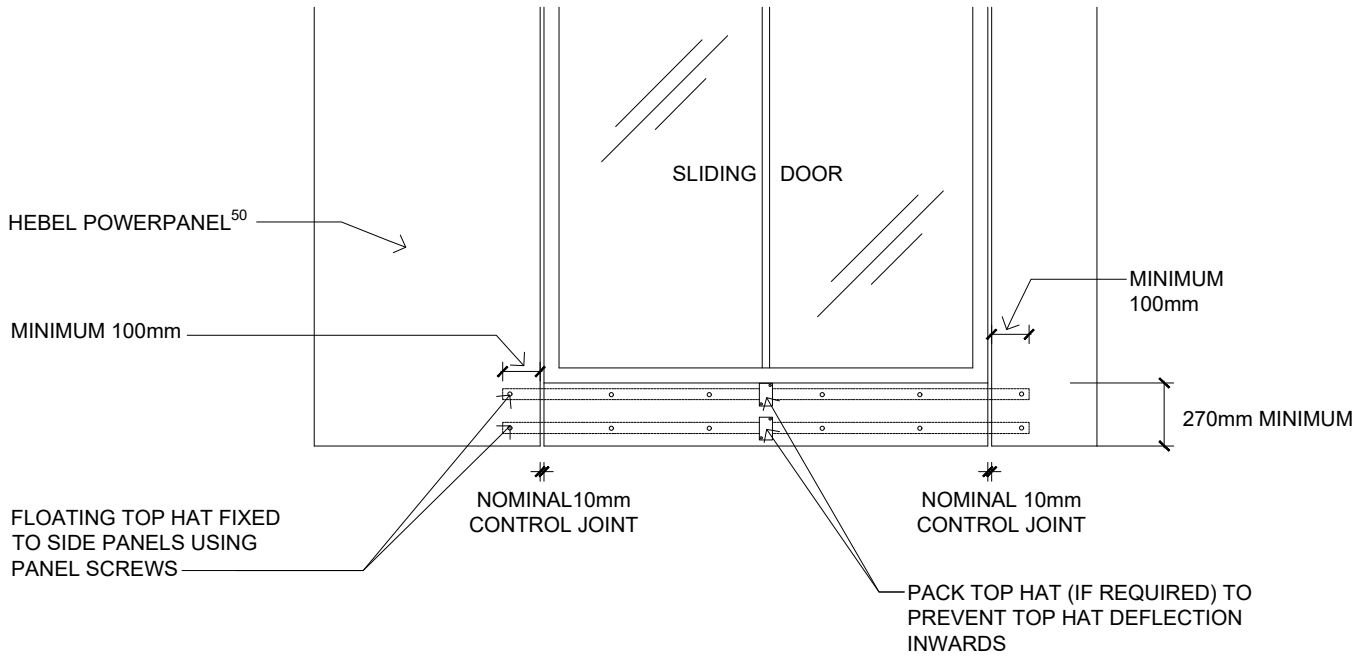
112 Wisemans Ferry Road
Somersby, NSW 2150
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Fax: (02) 4340 3300

FIGURE		TITLE			
3.5.8.6 - 3.5.8.7		DOOR AND WINDOW DETAILS			
DESIGN GUIDE REFERENCE		SCALE	SHEET SIZE	DRAWN	DATE
HELIT018 OCTOBER18		1:5 @ A3	A3	ZK	09.10.18
			SHEET NO.	CHECK	REVISION
			3 of 4	ZK	A

DOOR AND WINDOW DETAILS



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



SLIDING DOOR SILL DETAIL - SECTION VIEW
POWERPANEL⁵⁰ SILL > 270mm
SCALE 1:20

NOTE:
CONSIDER A MIN.15° FALL FOR HEBEL DOOR SILLS.

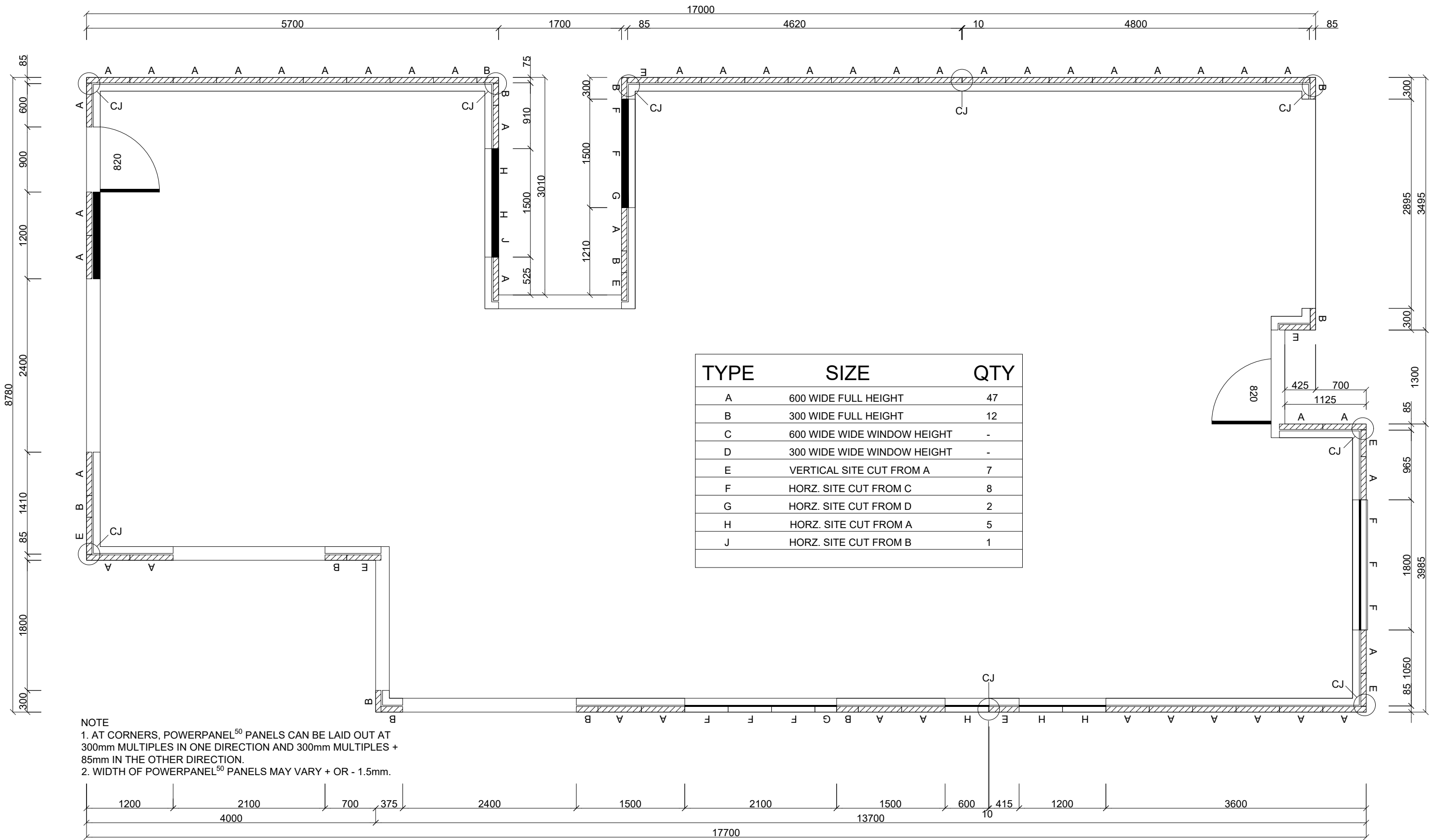


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FIGURE		TITLE			
3.5.8.8 - 3.5.8.9		DOOR AND WINDOW DETAILS			
DESIGN GUIDE REFERENCE		SCALE	SHEET SIZE	DRAWN	DATE
HELI018 OCTOBER18		1:20 @ A3	A3	ZK	09.10.18
			SHEET NO.	CHECK	REVISION
			4 of 4	ZK	A

MISCELLANEOUS DETAILS - PANEL
LAYOUT DRAWING - PLAN VIEW



PANEL LAYOUT DRAWING - PLAN VIEW

1:50



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FIGURE	TITLE			
3.5.9.1	TWO STOREY ADDITION DETAILS			
SCALE	SHEET SIZE	DRAWN	DATE	
NTS @ A3	A3	ZK	09.10.18	
DESIGN GUIDE REFERENCE	SHEET NO.	CHECK	REVISION	
HELI018 OCTOBER18	1 of 1	ZK	A	