

Sheet Number	Sheet Name
SIP101	Detail Legend

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No.	Description	Date
2	INFO	13/05/2019
1	INFO	21/05/2018

PROJECT Standard Details		
SHEET Drawing Index - 100		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4)
Drawn by NZSIP	DRAWING NUMBER SIP100	REV 2
Checked by NZSIP		


Wall & Roof Underlay

Flexible roof and wall underlays must comply with NZBC Acceptable solution E2/AS1 Table 23 or breather -type membranes covered by a valid BRANZ Appraisal for use as roof or wall underlays. The NZSIP Smart Panel Building System will contribute to the cladding system compliance with NZBC Clause E2.3.2. Sealing tapes must be compatible with roof and wall underlays and SB substrate.


Vapour control layer

Formed by Inside SB face of Structural Insulated Panel.
Air sealing tapes, pipe and cable sealing grommets are to be installed to the inside face of structural insulated wall and roof panels at all joint and penetration locations. All aspects of this work shall be in accordance with the standard details and manufacturers instructions.

Target air infiltration rate to be confirmed at the pre-lining stage with a blower door test.
Targets as follows

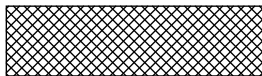
- Passive House Standard ≤ 0.6 ach-1 @50Pa (Mandatory)
- Projects with mechanical ventilation ≤ 1.5 ach-1 @50Pa (recommended)
- Projects with passive ventilation ≤ 3.0 ach-1 @50Pa (recommended)


Damp proof membrane/Tanking

Specified by others


Damp proof course

Specified by other


Polyurethane insulation (PUR)

StrandBoard (SB)

Load-bearing boards for use in humid conditions


General Timber framing

SG8/LVL8 grade
H1.2 treatment unless otherwise noted.


Plywood

Grade and treatment as noted.


Foam Sealant

Applied onsite to junctions as indicated.

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3	INFO	16/07/2019
2	INFO	13/05/2019
1	INFO	21/05/2018

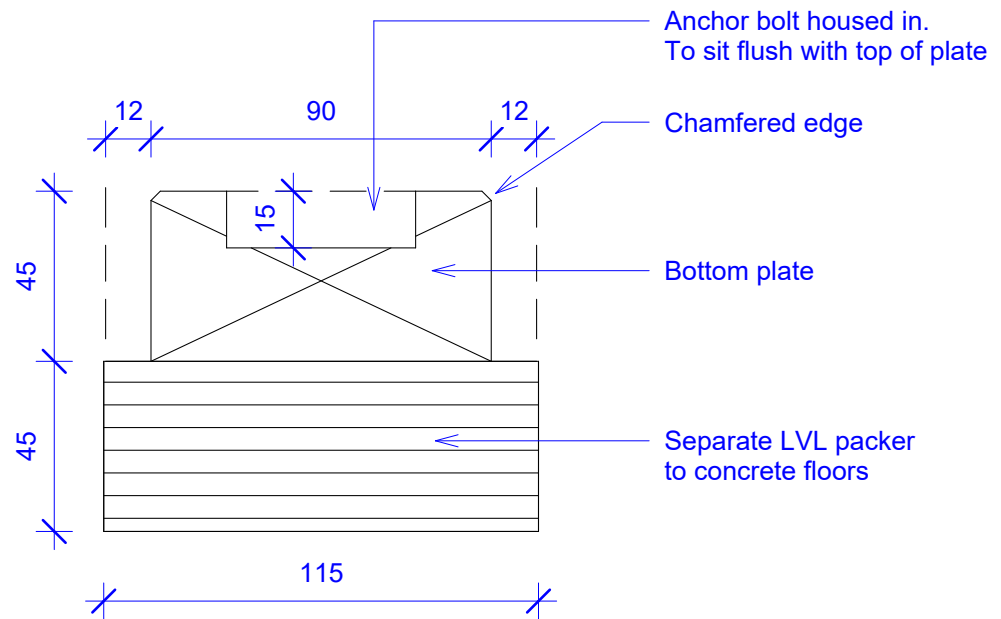
PROJECT Standard Details		
SHEET Detail Legend		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 10
Drawn by NZSIP	DRAWING NUMBER SIP101	REV 3
Checked by NZSIP		

Sheet Number	Sheet Name
SIP201	Bottom Plate Section
SIP202	Bottom Plate Plan
SIP207	Bracing detail - Concrete floor
SIP208	Bracing detail - Timber floor
SIP210	Wall Footing - Concrete - Option 1
SIP220	Wall Footing - Timber Floor

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4	INFO	16/07/2019
3	INFO	15/05/2019
2	INFO	13/05/2019
1	INFO	21/05/2018

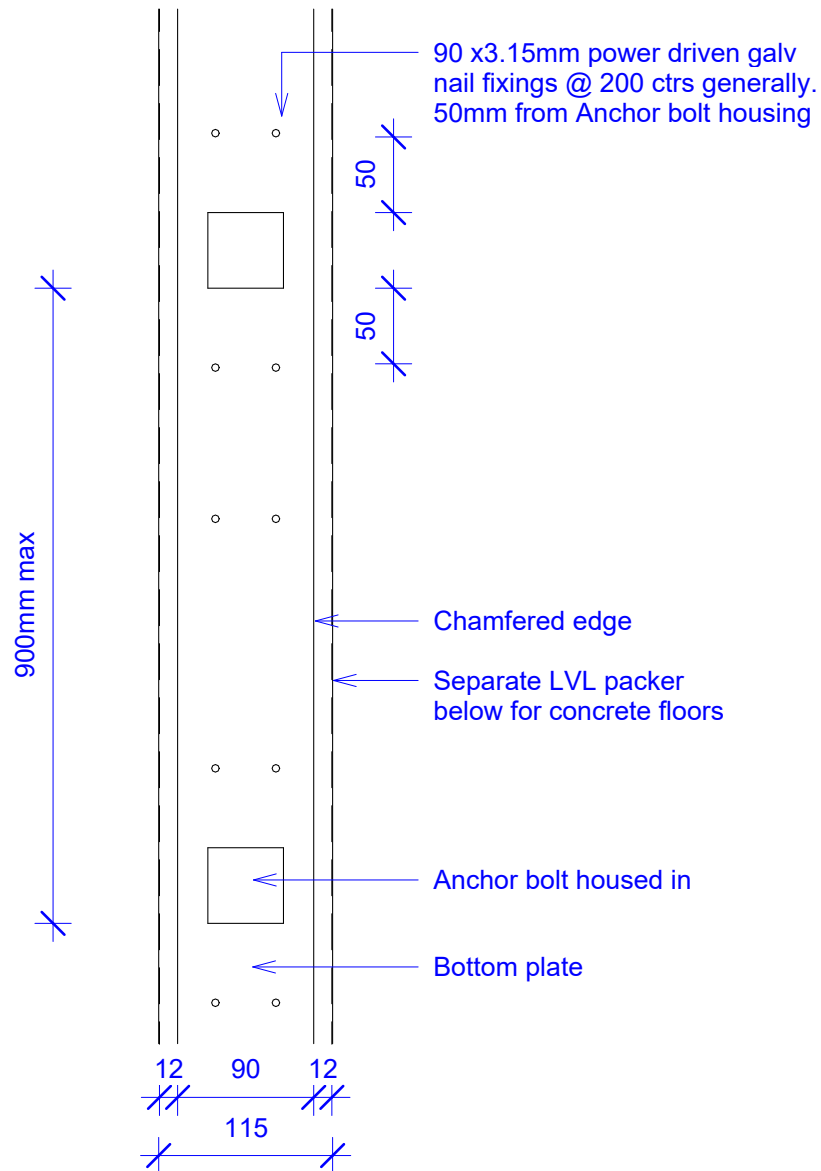
PROJECT Standard Details		
SHEET Drawing Index - 200		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4)
Drawn by Author	DRAWING NUMBER SIP200	REV 4
Checked by Checker		



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3	INFO	29/07/2019
2	INFO	13/05/2019
1	INFO	21/05/2018

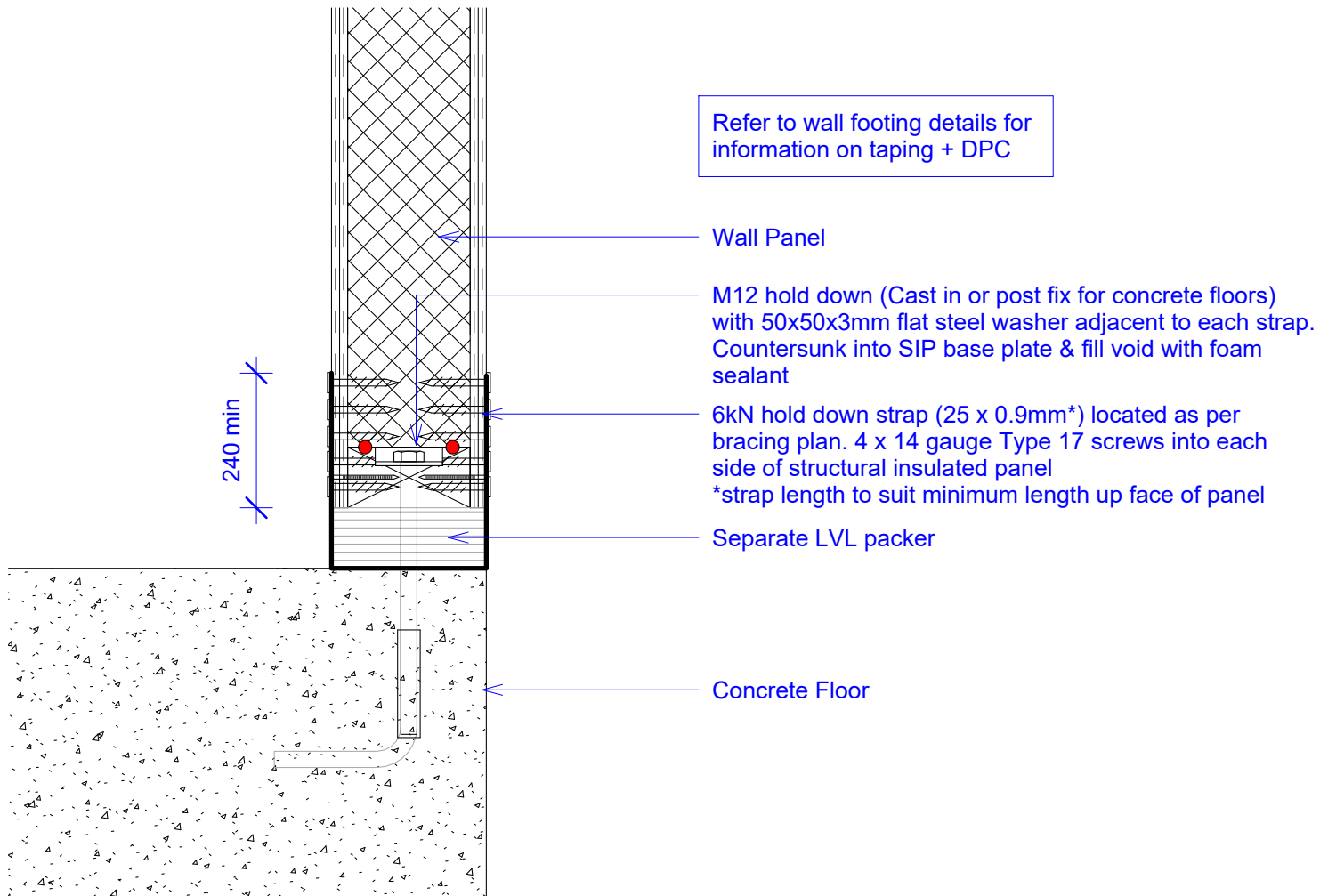
PROJECT Standard Details		
SHEET Bottom Plate Section		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 2
Drawn by NZSIP	DRAWING NUMBER SIP201	REV 3
Checked by NZSIP		



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1	INFO	21/05/2018

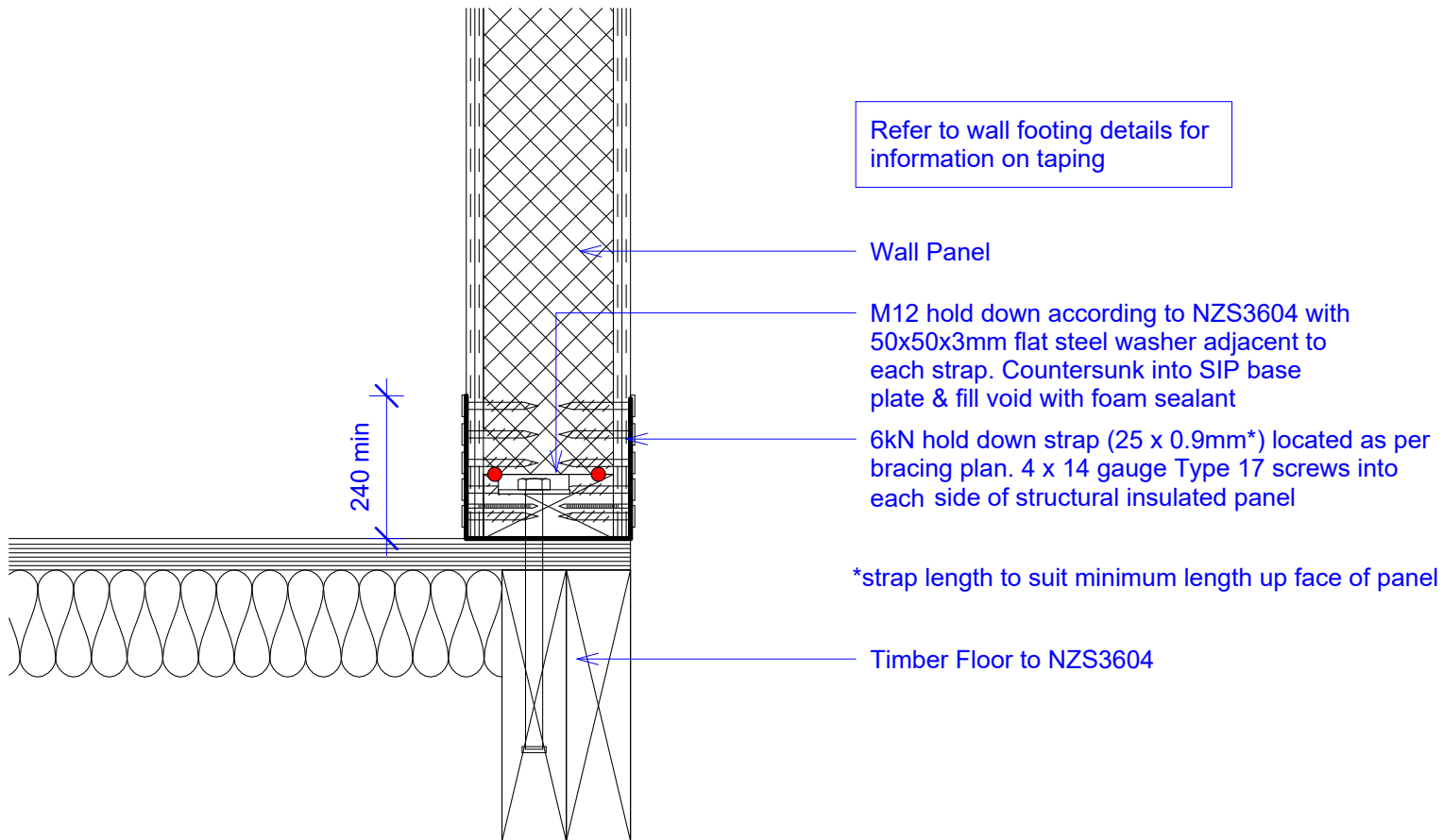
PROJECT Standard Details			
SHEET Bottom Plate Plan			
CLIENT NZSIP			
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 5	
Drawn by NZSIP	DRAWING NUMBER SIP202		REV
Checked by NZSIP			3



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5	INFO	16/07/2019
4	INFO	15/05/2019
3	INFO	13/05/2019

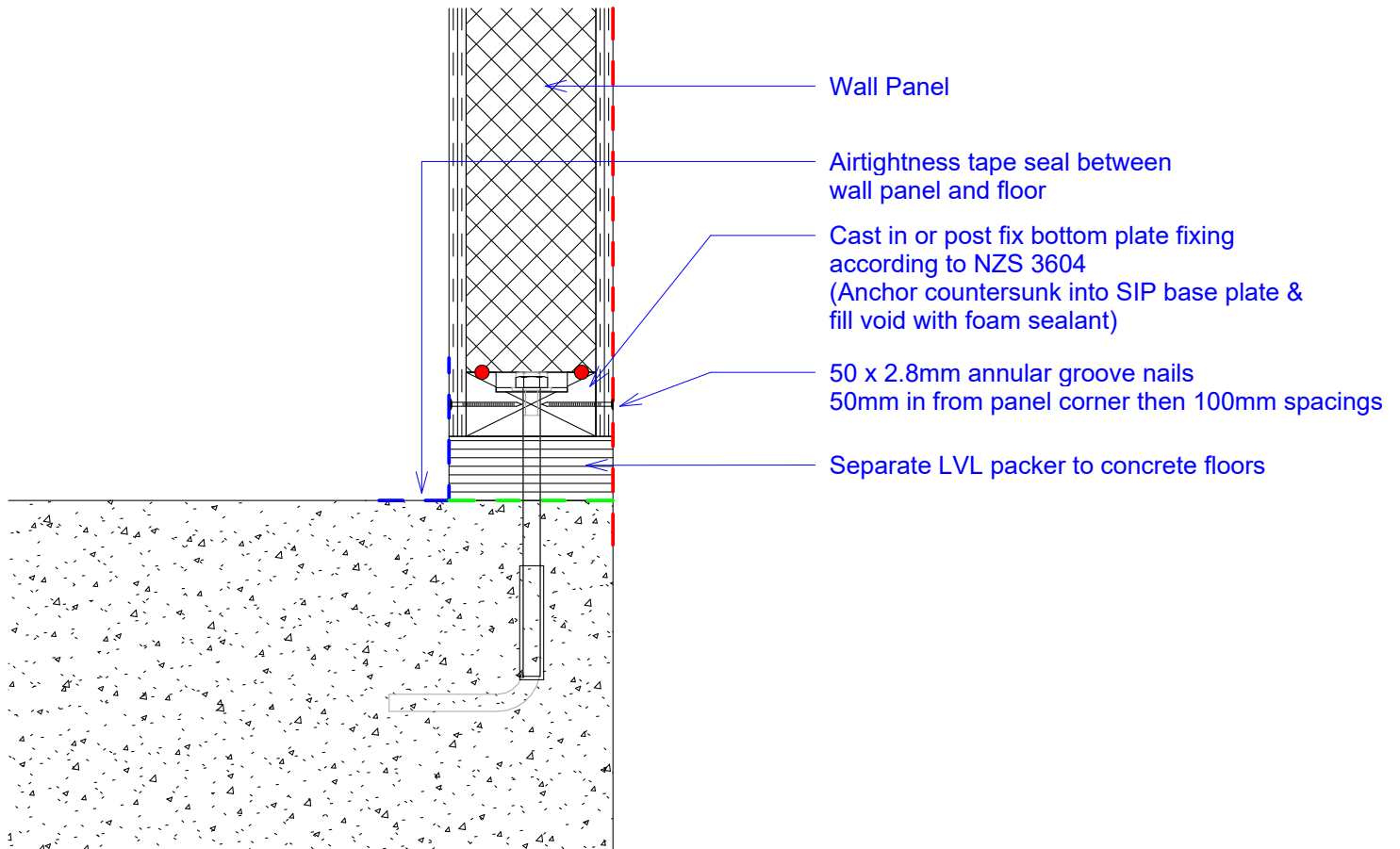
PROJECT Standard Details		
SHEET Bracing detail - Concrete floor		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 5
Drawn by NZSIP	DRAWING NUMBER SIP207	REV 6
Checked by NZSIP		



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2	INFO	16/07/2019
1	INFO	21/05/2018

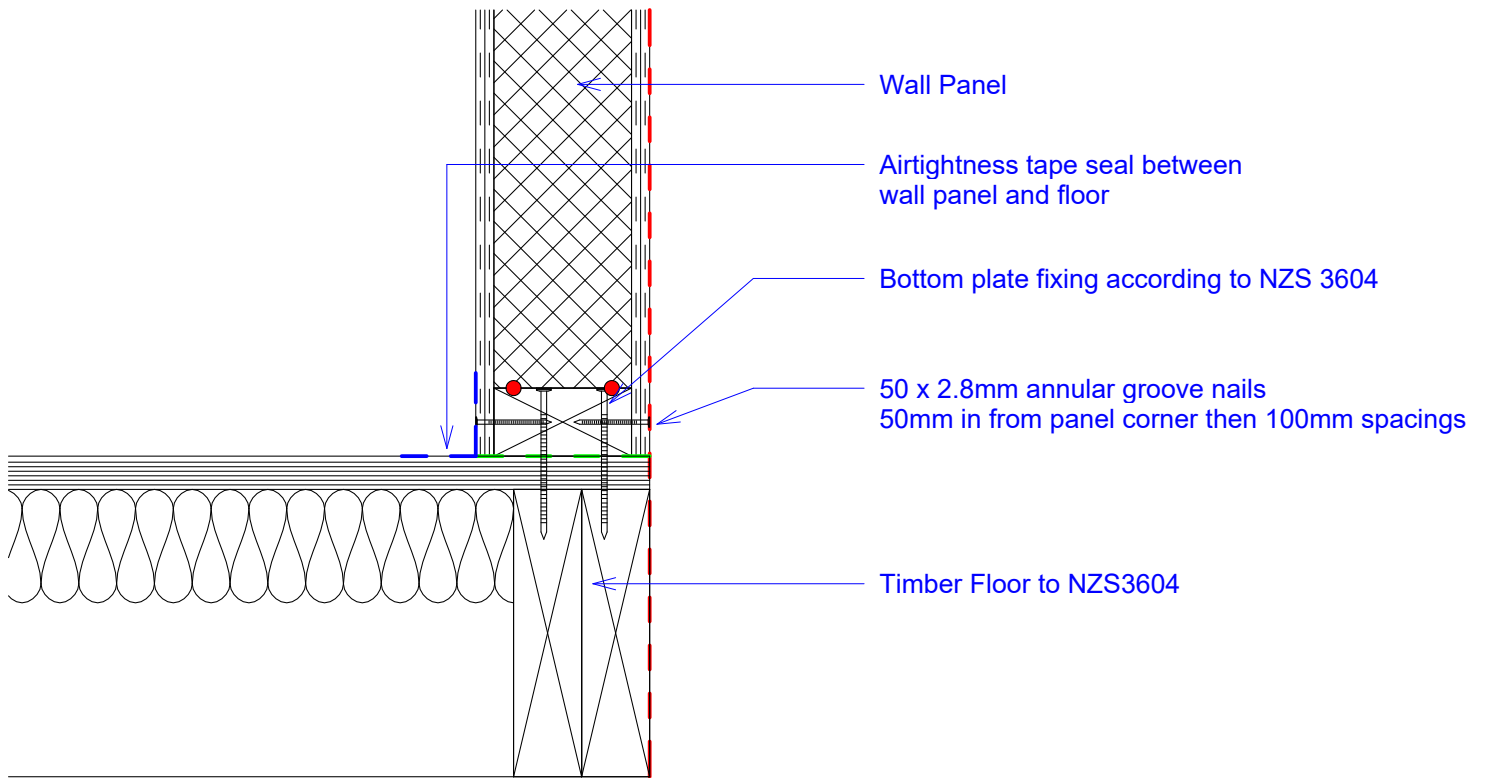
PROJECT Standard Details		
SHEET Bracing detail - Timber floor		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 5
Drawn by NZSIP	DRAWING NUMBER SIP208	
Checked by NZSIP		
		REV 3



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No.	Description	Date
5	INFO	07/07/2021
4	INFO	29/07/2019
3	INFO	16/07/2019
2	INFO	13/05/2019

PROJECT Standard Details			
SHEET Wall Footing - Concrete - Option 1			
CLIENT NZSIP			
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 5	
Drawn by NZSIP	DRAWING NUMBER		REV
Checked by NZSIP	SIP210		5



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3	INFO	16/07/2019
2	INFO	13/05/2019
1	INFO	21/05/2018

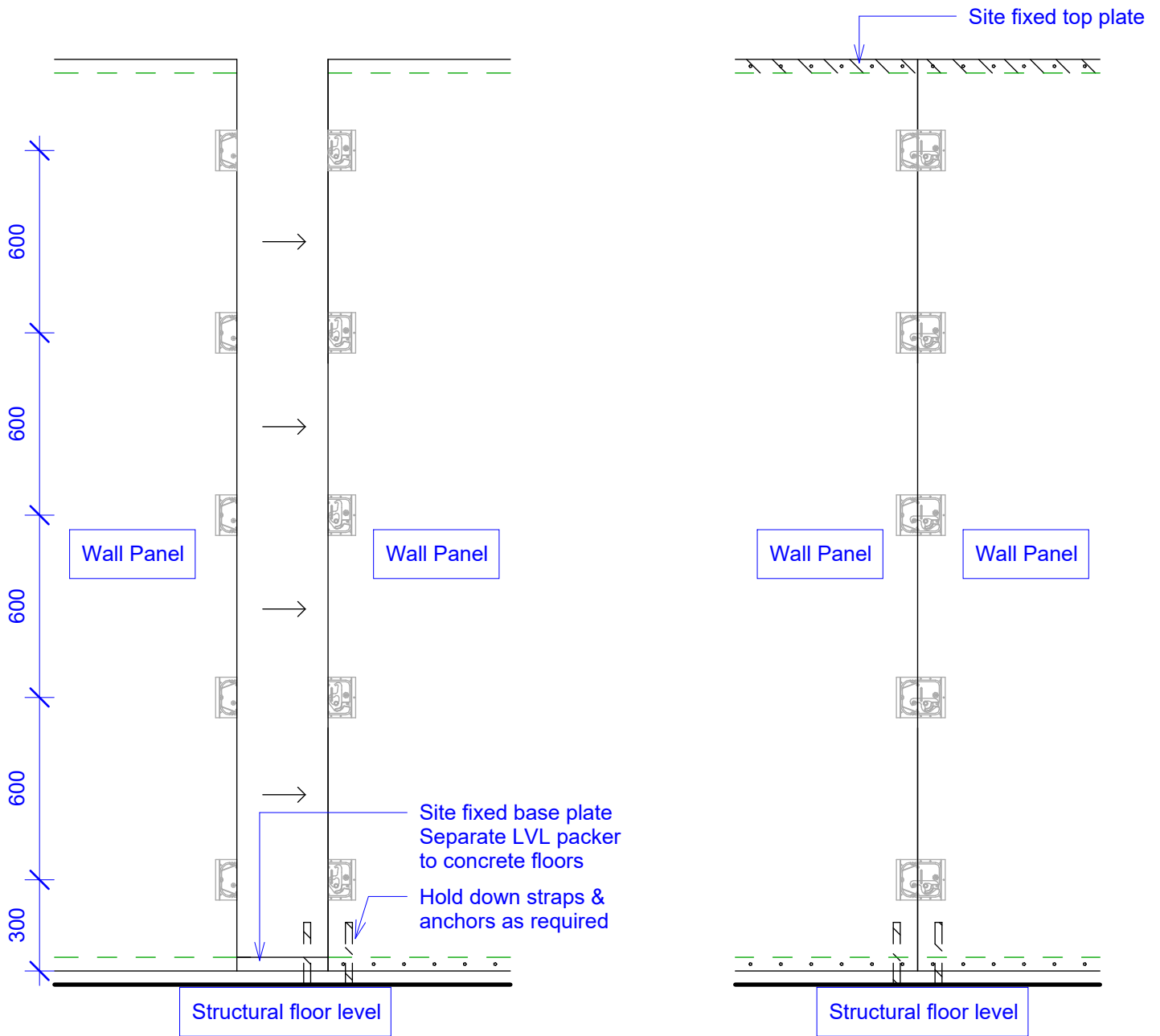
PROJECT Standard Details			
SHEET Wall Footing - Timber Floor			
CLIENT NZSIP			
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 5	
Drawn by NZSIP	DRAWING NUMBER SIP220		REV 4
Checked by NZSIP			

Sheet Number	Sheet Name
SIP307	Bracing elevation
SIP310	CAM Lock - Plan
SIP311	Panel in Panel Spline
SIP312	Corner Detail
SIP313	Internal Wall - Plan
SIP314	Internal Wall - Section
SIP316	Panel joints
SIP320	Typical Cladding Fixings
SIP330	Rebate Elevation
SIP340	Beam Elevations
SIP341	Beam Pocket fixings
SIP350	Wall penetration
SIP360	Fire rated wall - elevation
SIP361	Fire rated wall - plan detail

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No.	Description	Date
6	INFO	15/06/2021
5	INFO	16/07/2019
4	INFO	15/05/2019
3	INFO	13/05/2019

PROJECT Standard Details		
SHEET Drawing Index - 300		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4)
Drawn by Author	DRAWING NUMBER SIP300	REV 6
Checked by Checker		

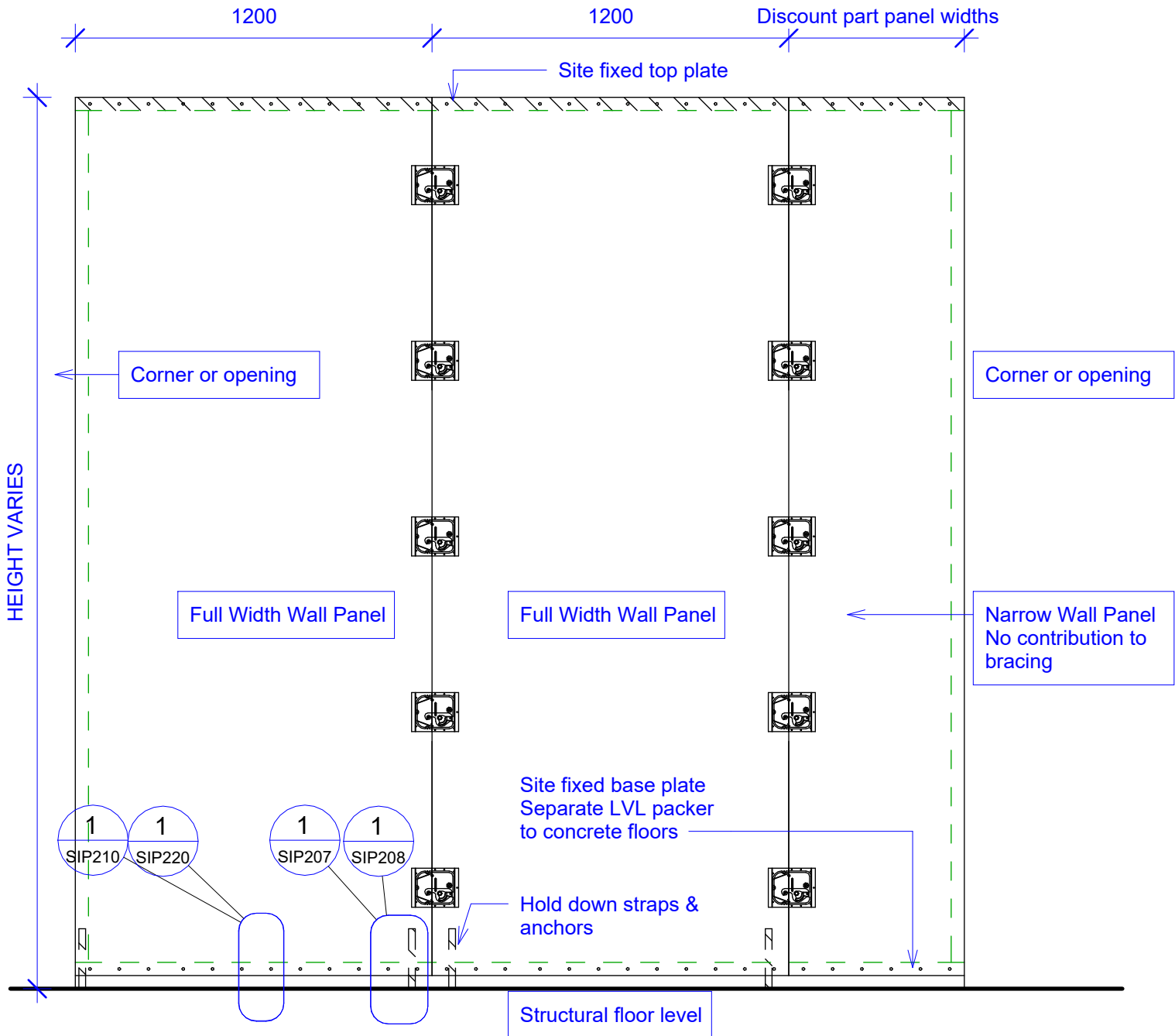


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No.	Description	Date
2	INFO	13/05/2019
1	INFO	21/05/2018

PROJECT Standard Details		
SHEET CAM Lock - Elevation		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 20
Drawn by NZSIP	DRAWING NUMBER SIP301	
Checked by NZSIP		
		REV 2

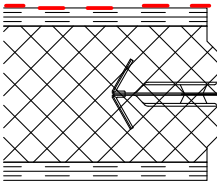
HEIGHT VARIES



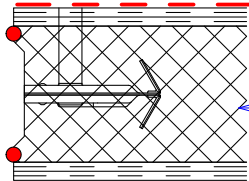
NZSIP	SIP307	6
Checked by NZSIP		

No.	Description	Date
6	INFO	29/07/2019
5	INFO	16/07/2019
4	INFO	15/05/2019
3	INFO	13/05/2019

Exterior

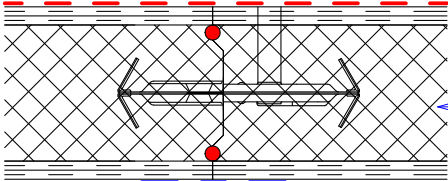


Interior



Wall Panel

Exterior



Wall Panel

Interior

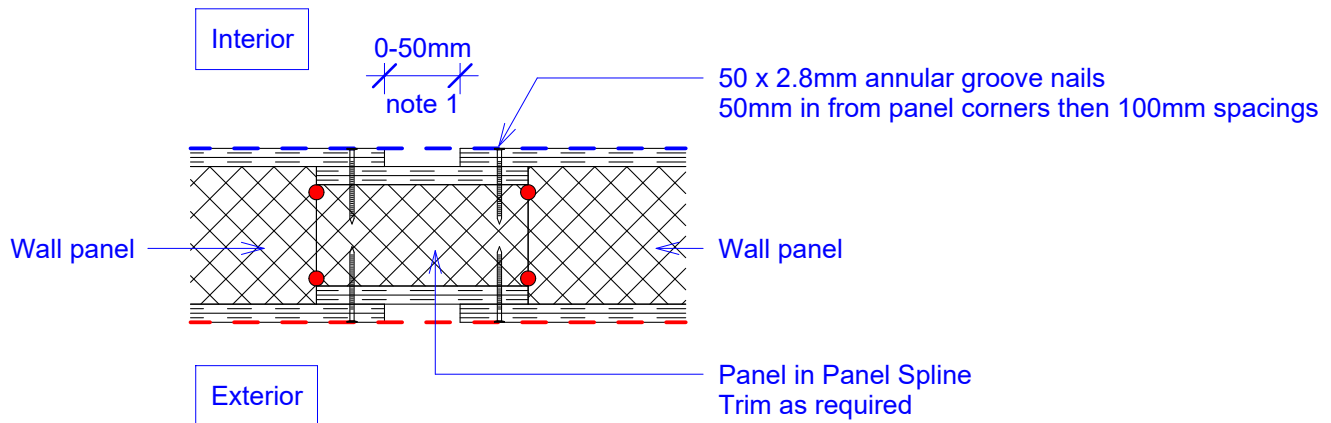
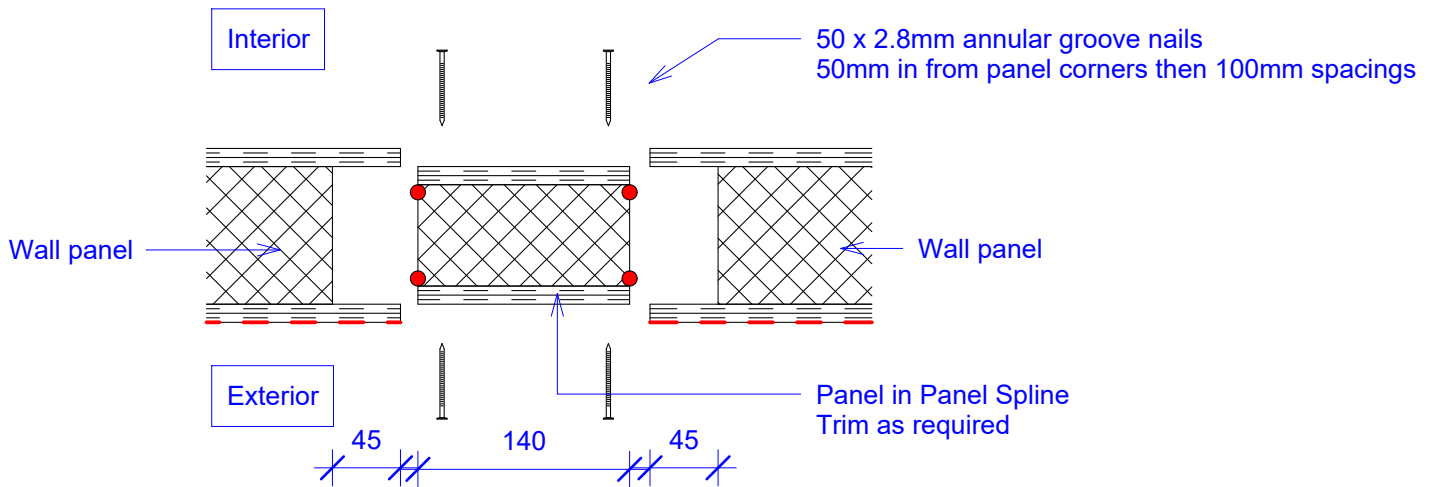
Airtightness tape seal
between wall panels

THIS IS THE STANDARD METHOD
OF CONNECTING WALL PANELS

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No.	Description	Date
2	INFO	13/05/2019
1	INFO	21/05/2018

PROJECT Standard Details			
SHEET CAM Lock - Plan			
CLIENT NZSIP			
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 5	
Drawn by NZSIP	DRAWING NUMBER SIP310		REV
Checked by NZSIP			2

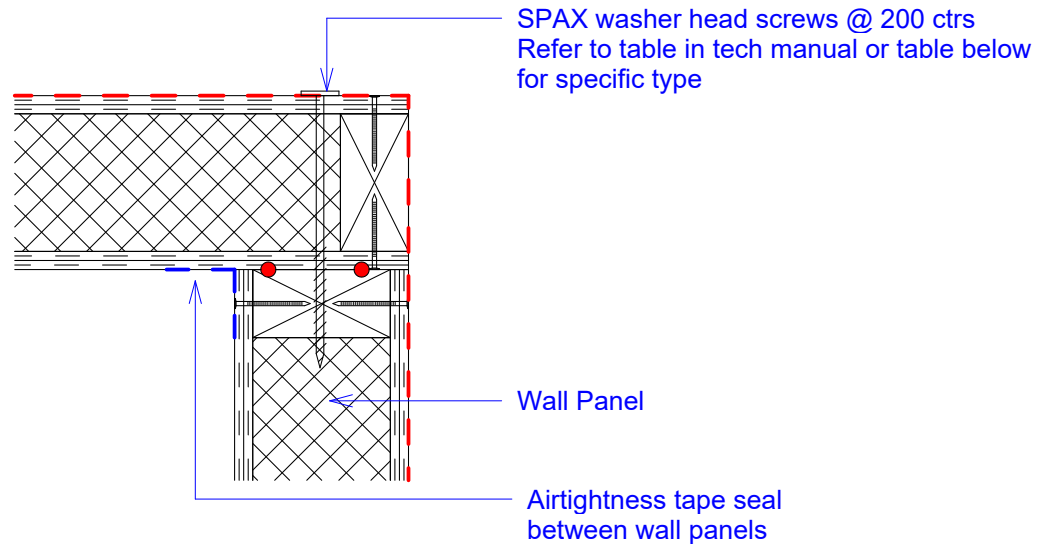


PANEL IN PANEL SPLINES ARE TYPICALLY USED IN LONG RUNS OF WALL PANELS TO INTRODUCE TOLERANCE
Panel plan will set wall panels 25mm apart.
Gap can be adjusted from 0-50mm

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No.	Description	Date
3	INFO	07/07/2021
2	INFO	13/05/2019
1	INFO	21/05/2018

PROJECT Standard Details		
SHEET Panel in Panel Spline		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 5
Drawn by NZSIP	DRAWING NUMBER SIP311	REV 3
Checked by NZSIP		



SPAX washer head screws fixing schedule

Washer Head type screws for fixing roof panels, wall panels and beams together are selected from the following.

115 mm thick panel 160 mm x 8 mm
(corner, internal wall or gable connection)

165 mm thick panel 220 mm x 8 mm
(corner, internal wall, gable or roof beam connection)

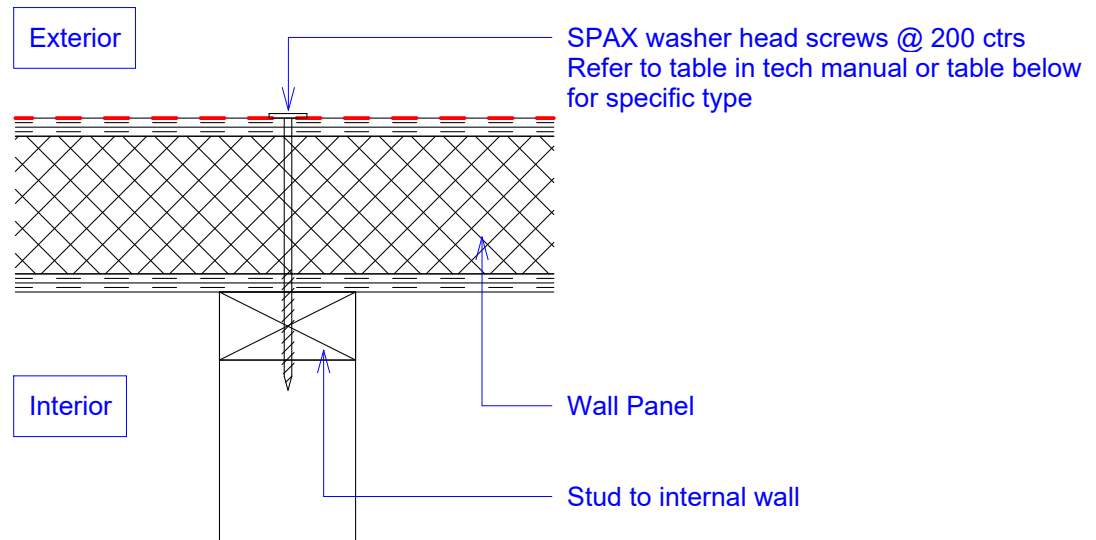
165 mm thick Roof at maximum 30° Roof pitch 280 mm x 10 mm (eave or roof beam connection)

215 mm thick Roof at maximum 30° Roof pitch 320 mm x 10 mm (eave or roof beam connection)

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No.	Description	Date
3	INFO	12/08/2019
2	INFO	13/05/2019
1	INFO	21/05/2018

PROJECT Standard Details		
SHEET Corner Detail		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4) As indicated
Drawn by NZSIP	DRAWING NUMBER SIP312	REV 3
Checked by NZSIP		



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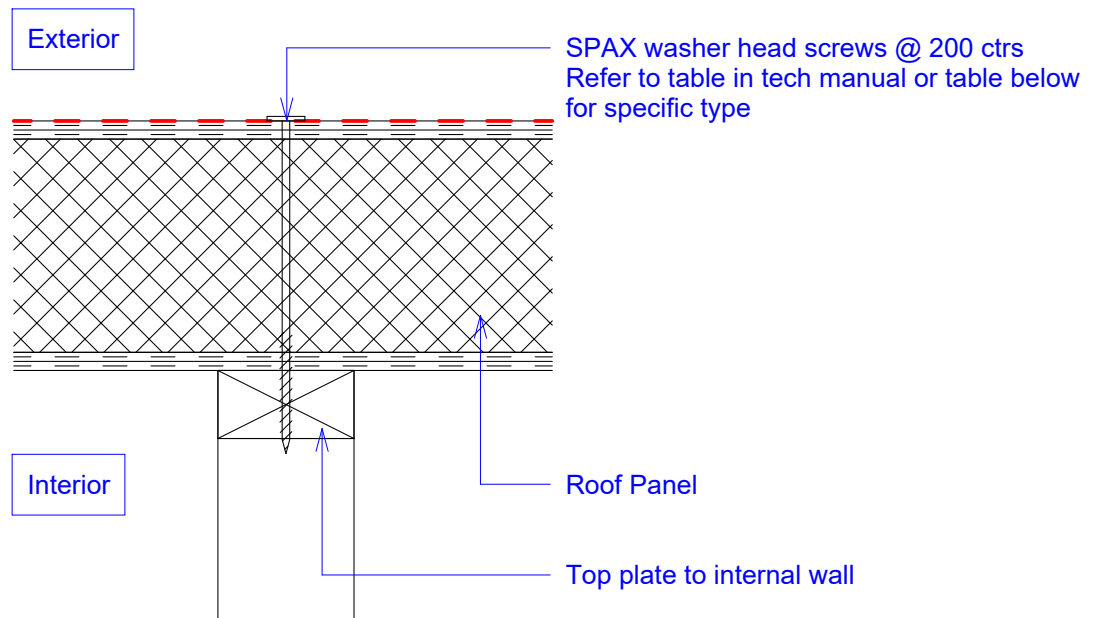
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No.	Description	Date
4	INFO	12/08/2019
3	INFO	29/07/2019
2	INFO	13/05/2019
1	INFO	21/05/2018

PROJECT Standard Details		
SHEET Internal Wall - Plan		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4) As indicated
Drawn by NZSIP	DRAWING NUMBER SIP313	
Checked by NZSIP		
		REV 4



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115 mm thick panel 160 mm x 8 mm
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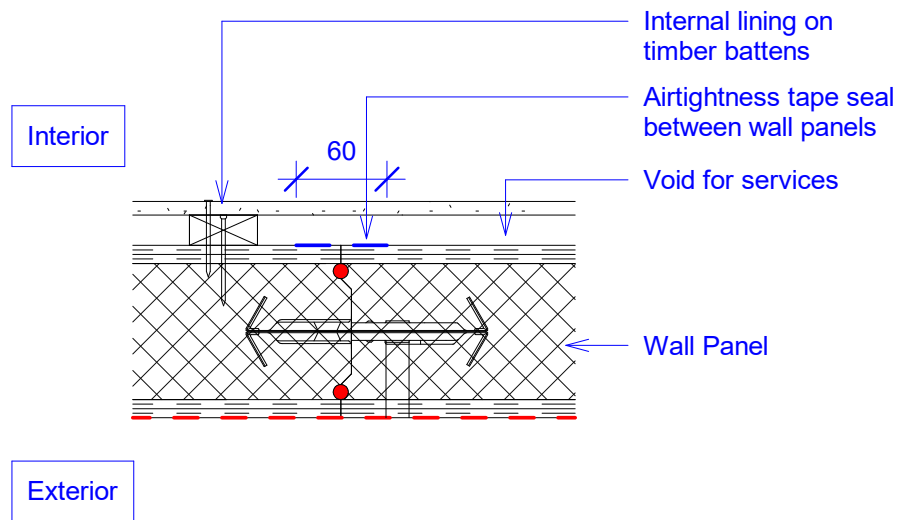
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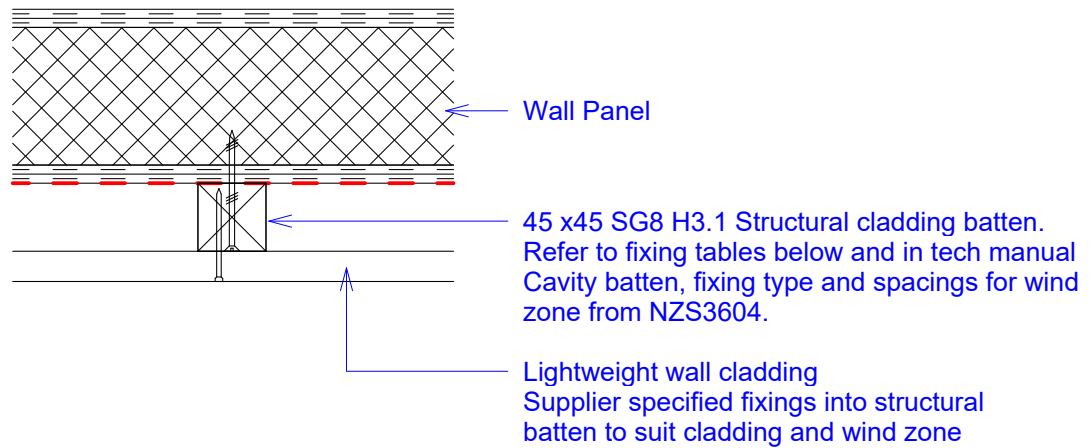
PROJECT Standard Details		
SHEET Internal Wall - Section		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4) As indicated
Drawn by NZSIP	DRAWING NUMBER SIP314	REV 4
Checked by NZSIP		



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No.	Description	Date
4	INFO	16/07/2019
3	INFO	15/05/2019
2	INFO	13/05/2019
1	INFO	07/03/2019

PROJECT Standard Details			
SHEET Panel joints			
CLIENT NZSIP			
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 5	
Drawn by Author	DRAWING NUMBER SIP316		REV
Checked by Checker			4



Cavity Batten Fixing

Fixing type	Batten Spacing (mm)	Fixing spacing (mm)	Allowable Wind Zone (from NZS3603)
75mm x 3.25 annular grooved stainless nails	600	150	Extra High
75mm x 3.25 annular grooved stainless nails	600	200	Very High
75mm x 3.25 annular grooved stainless nails	600	300	Medium
75mm x 3.25 annular grooved stainless nails	450	200	Extra High
75mm x 3.25 annular grooved stainless nails	450	300	High
75mm x 3.25 annular grooved stainless nails	400	200	Extra High
75mm x 3.25 annular grooved stainless nails	400	300	Very High

65mm x 2.8mm ring shank Paslode nails	600	100	Very High
65mm x 2.8mm ring shank Paslode nails	600	150	High
65mm x 2.8mm ring shank Paslode nails	600	200	Medium
65mm x 2.8mm ring shank Paslode nails	600	250	Low
65mm x 2.8mm ring shank Paslode nails	450	150	Very High
65mm x 2.8mm ring shank Paslode nails	450	200	High
65mm x 2.8mm ring shank Paslode nails	450	300	Low
65mm x 2.8mm ring shank Paslode nails	400	150	Very High
65mm x 2.8mm ring shank Paslode nails	400	200	High
65mm x 2.8mm ring shank Paslode nails	400	300	Medium

8g x 65mm CSK square drive stainless steel screws	600	150	Extra High
8g x 65mm CSK square drive stainless steel screws	600	200	Extra High
8g x 65mm CSK square drive stainless steel screws	600	300	Extra High
8g x 65mm CSK square drive stainless steel screws	600	400	Very High
8g x 65mm CSK square drive stainless steel screws	450	200	Extra High
8g x 65mm CSK square drive stainless steel screws	450	300	Extra High
8g x 65mm CSK square drive stainless steel screws	450	400	Extra High

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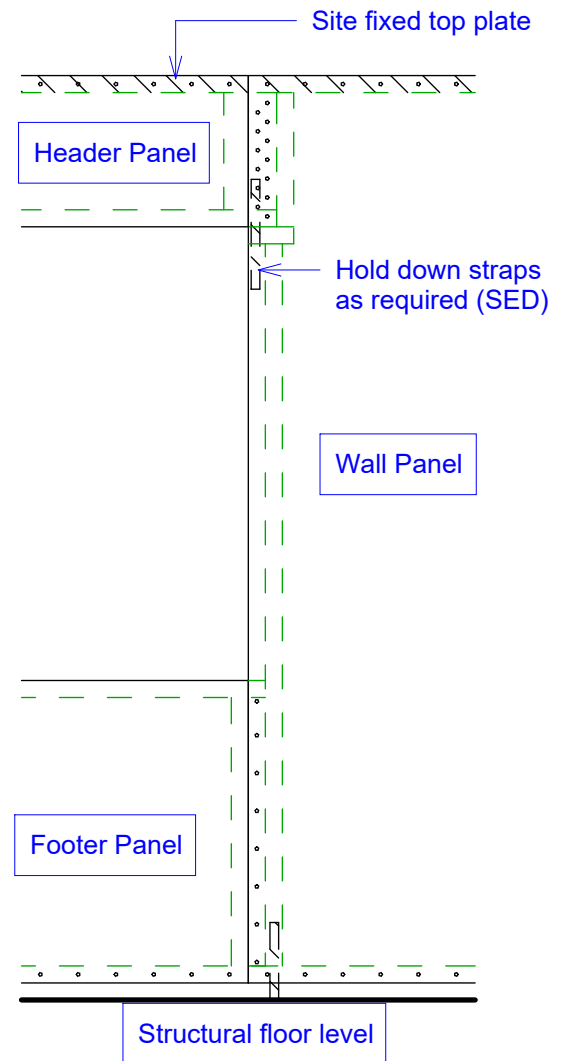
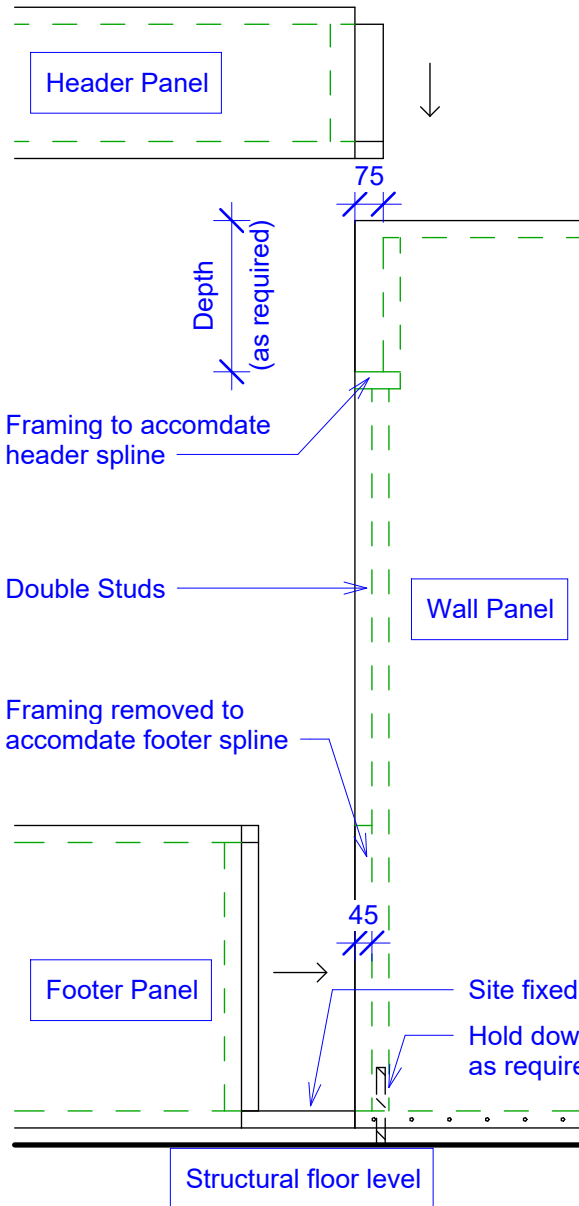
PROJECT **Standard Details**

SHEET **Typical Cladding Fixings**

CLIENT **NZSIP**

No.	Description	Date
4	INFO	12/08/2019
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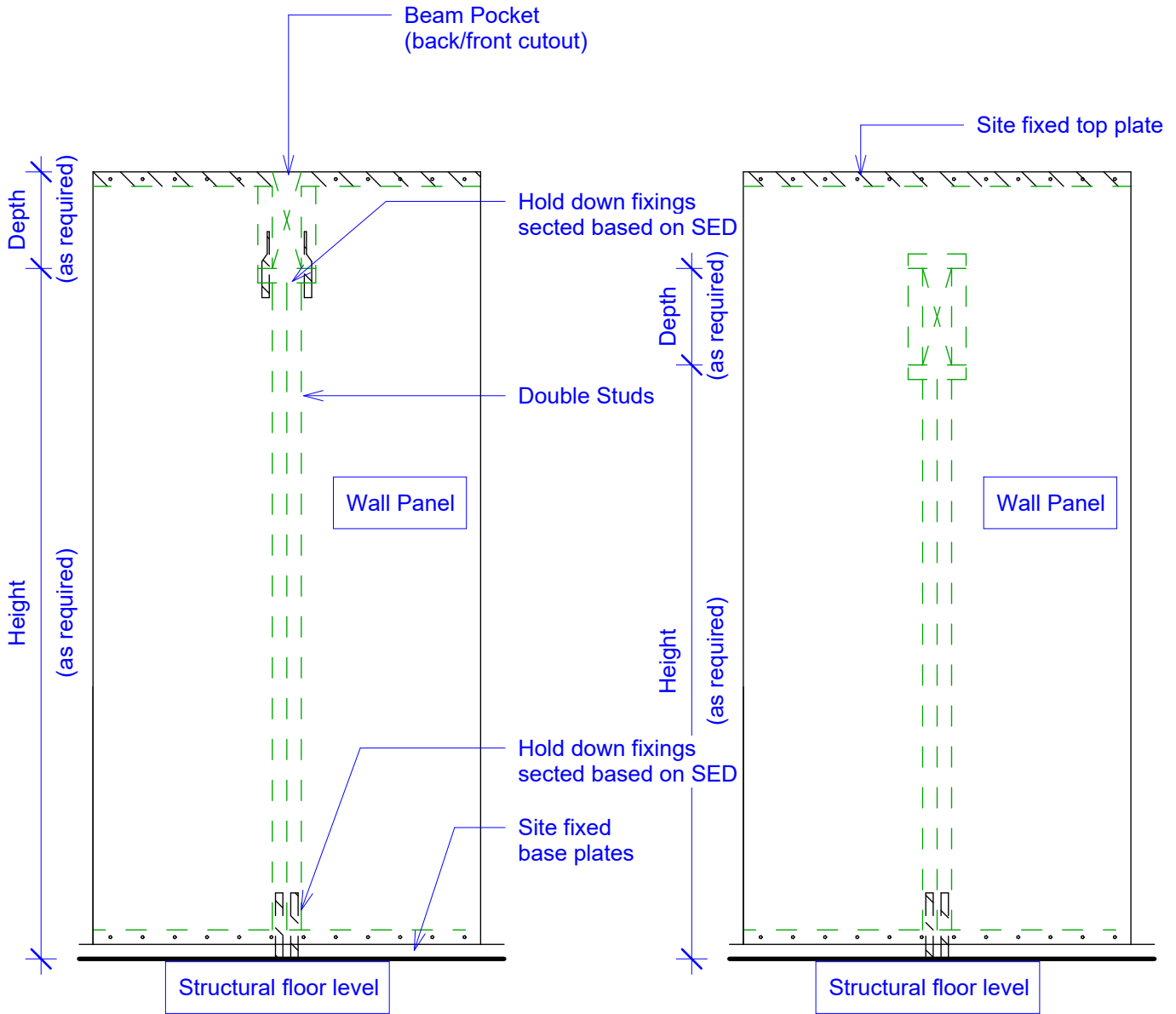
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 5
Drawn by NZSIP	DRAWING NUMBER SIP320	
Checked by NZSIP		REV 4



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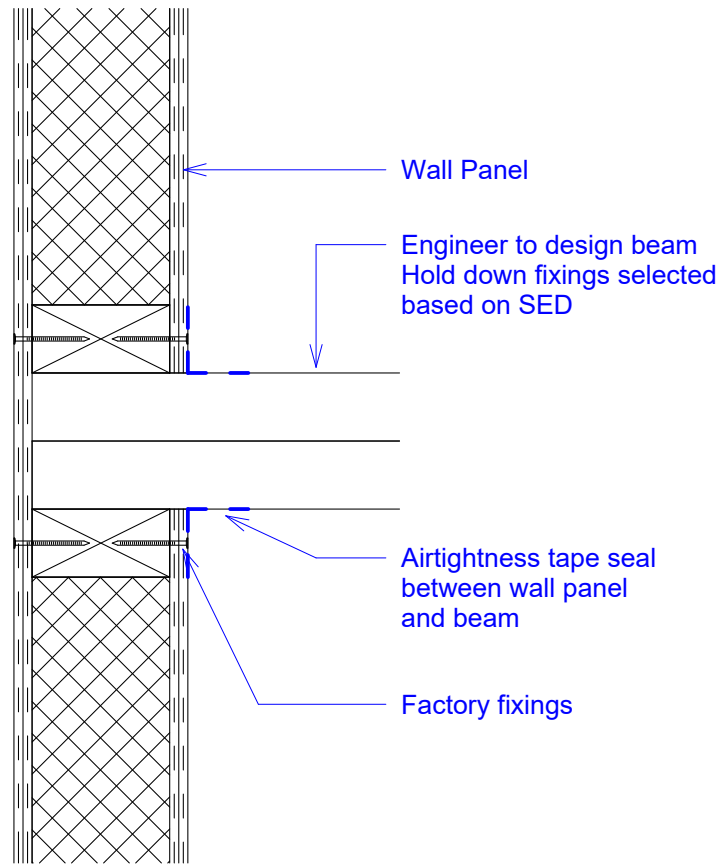
PROJECT Standard Details			
SHEET Rebate Elevation			
CLIENT NZSIP			
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 20	
Drawn by NZSIP	DRAWING NUMBER SIP330		REV
Checked by NZSIP			2



All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

No.	Description	Date
2	INFO	13/05/2019
1	INFO	21/05/2018

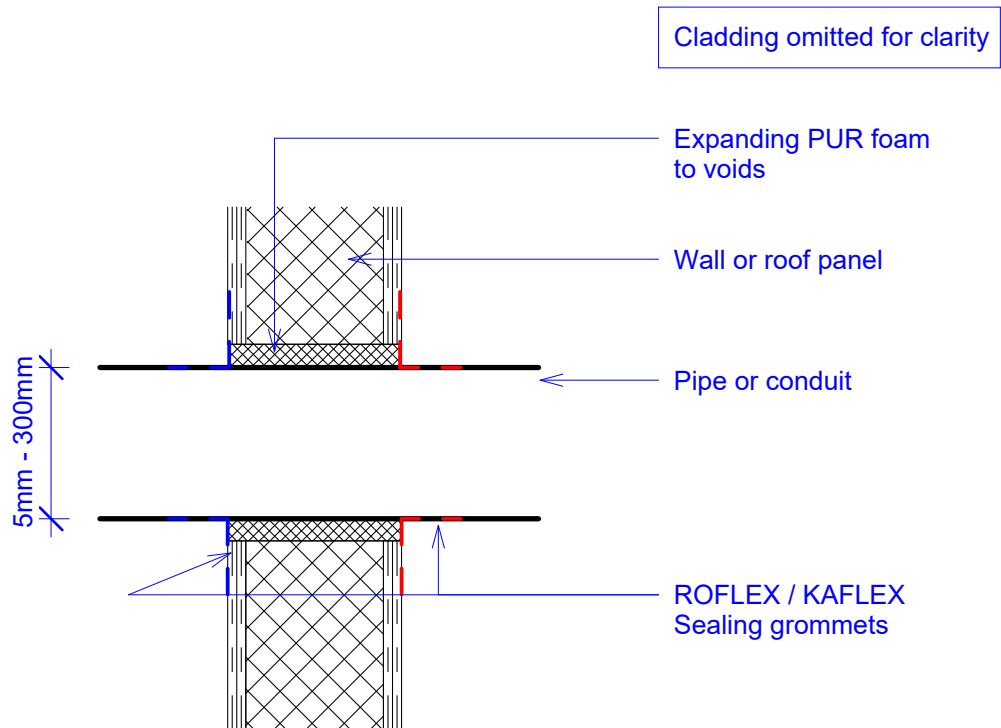
PROJECT Standard Details			
SHEET Beam Elevations			
CLIENT NZSIP			
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 20	
Drawn by NZSIP	DRAWING NUMBER SIP340		REV
Checked by NZSIP			2



All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

No.	Description	Date
4	INFO	29/07/2019
3	INFO	15/05/2019
2	INFO	13/05/2019
1	INFO	21/05/2018

PROJECT Standard Details			
SHEET Beam Pocket fixings			
CLIENT NZSIP			
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 5	
Drawn by NZSIP	DRAWING NUMBER SIP341		REV
Checked by NZSIP			4



All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

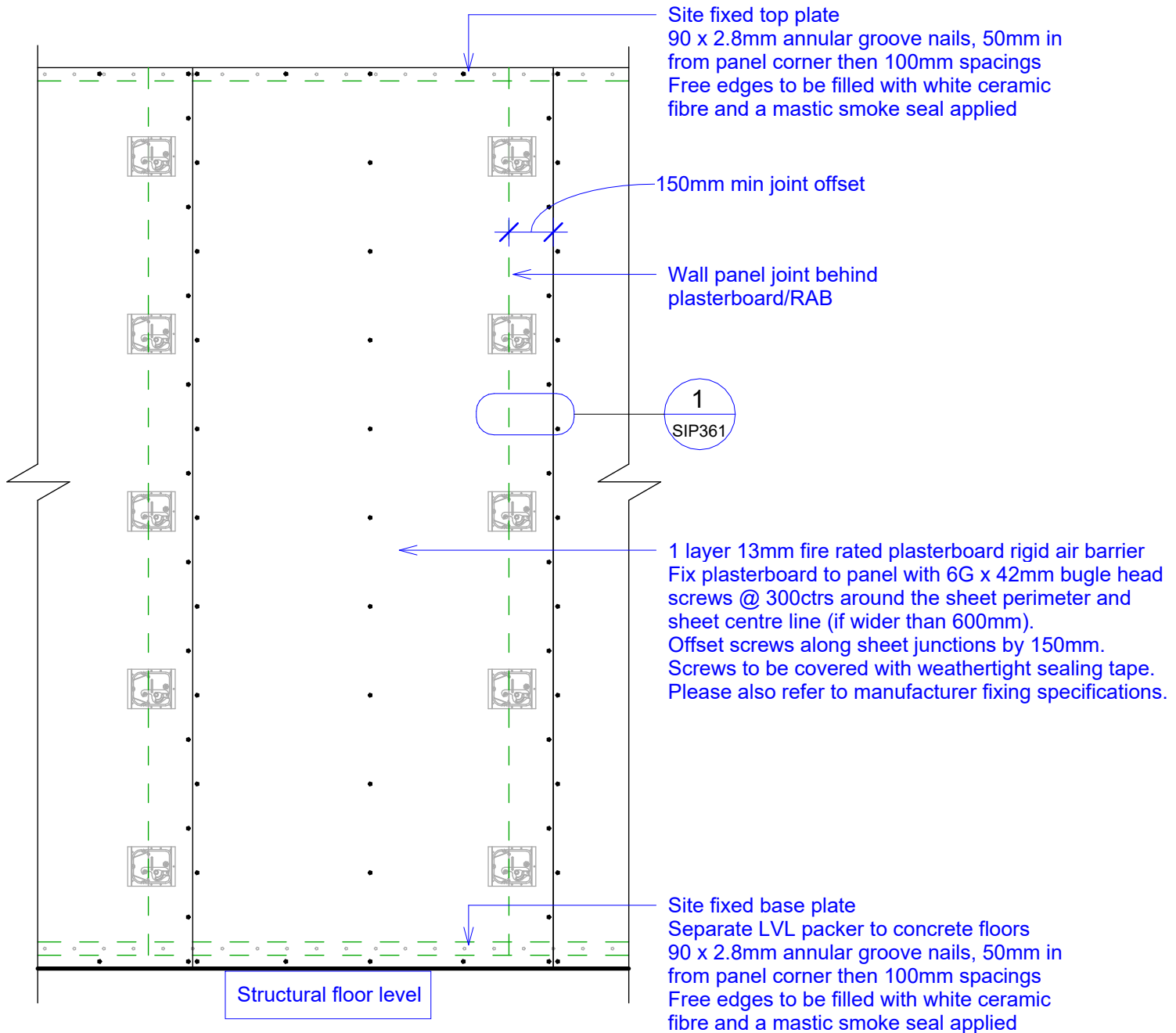
PROJECT **Standard Details**

SHEET **Wall penetration**

CLIENT **NZSIP**

No.	Description	Date
2	INFO	13/05/2019
1	INFO	26/10/2018

Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 5
Drawn by Author	DRAWING NUMBER SIP350	REV 2
Checked by Checker		

Exterior view

Fire resistance level (FRL): 30/30/30

All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

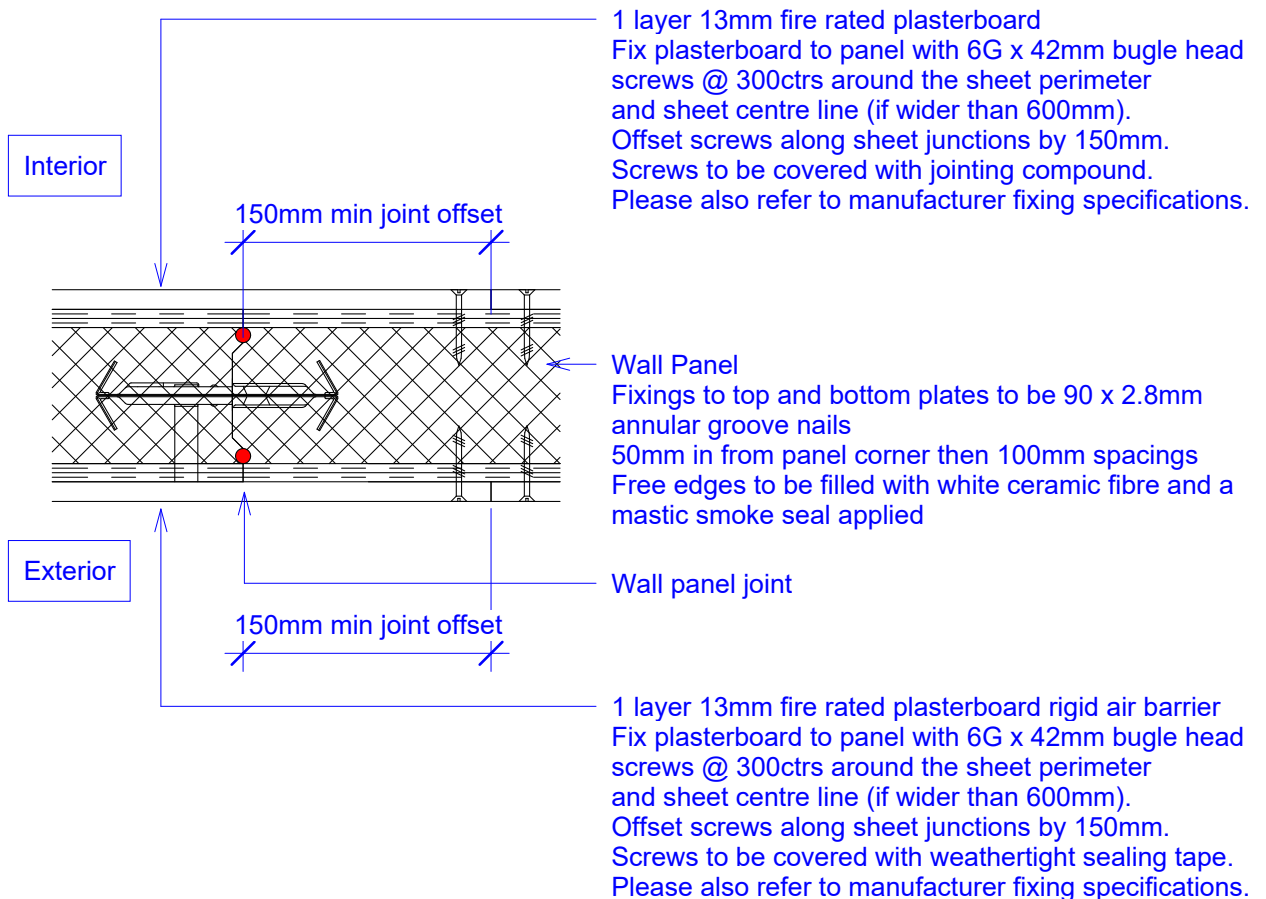
No.	Description	Date
3	INFO	07/07/2021
2	INFO	15/06/2021
1	DRAFT	03/06/2021

PROJECT Standard Details

SHEET Fire rated wall - elevation

CLIENT NZSIP

Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 20
Drawn by Author Checked by Checker	DRAWING NUMBER SIP360	REV 3



Fire resistance level (FRL): 30/30/30

All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

No.	Description	Date
4	INFO	07/07/2021
3	INFO	15/06/2021
2	DRAFT	03/06/2021
1	INFO	15/02/2021

PROJECT Standard Details			
SHEET Fire rated wall - plan detail			
CLIENT NZSIP			
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 5	
Drawn by Author	DRAWING NUMBER SIP361		REV 4
Checked by Checker			

Sheet Number	Sheet Name
SIP401	Mid Floor
SIP402	Hold down Strap - Mid Floor

All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

No.	Description	Date
2	INFO	13/05/2019
1	INFO	21/05/2018

PROJECT

Standard Details

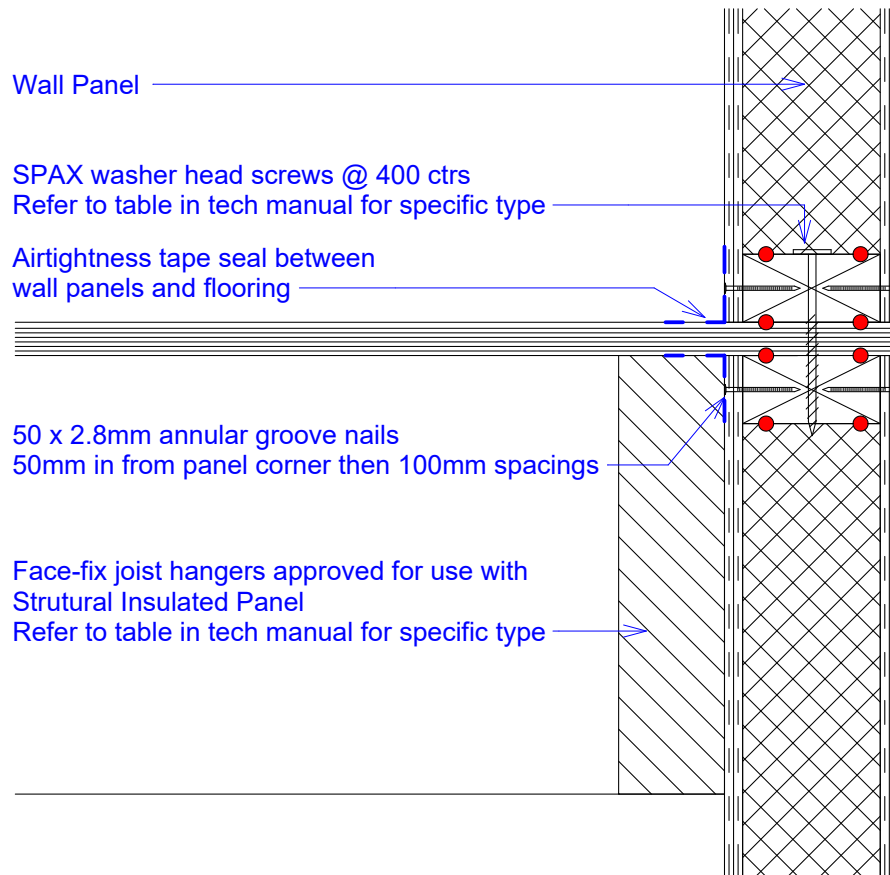
SHEET

Drawing Index - 400

CLIENT

NZSIP

Date	Project number	Scale (@ A4)
May 2018	NZSIP	
Drawn by	DRAWING NUMBER	REV
Author	SIP400	2
Checked by		
Checker		



Characteristic Load – Screws

Joist Hanger Type	Number of screws per flange*	Down	Uplift
JH 47 x 90	1	3kN	3kN
JH 47 x 120	2	6kN	6kN
JH 47 x 190	3	9kN	9kN
JH 95 x 165	3	9kN	9kN
JH 90 x 180	3	9kN	9kN

*Fix with Type 17-12g x 35mm Hex head screws

All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

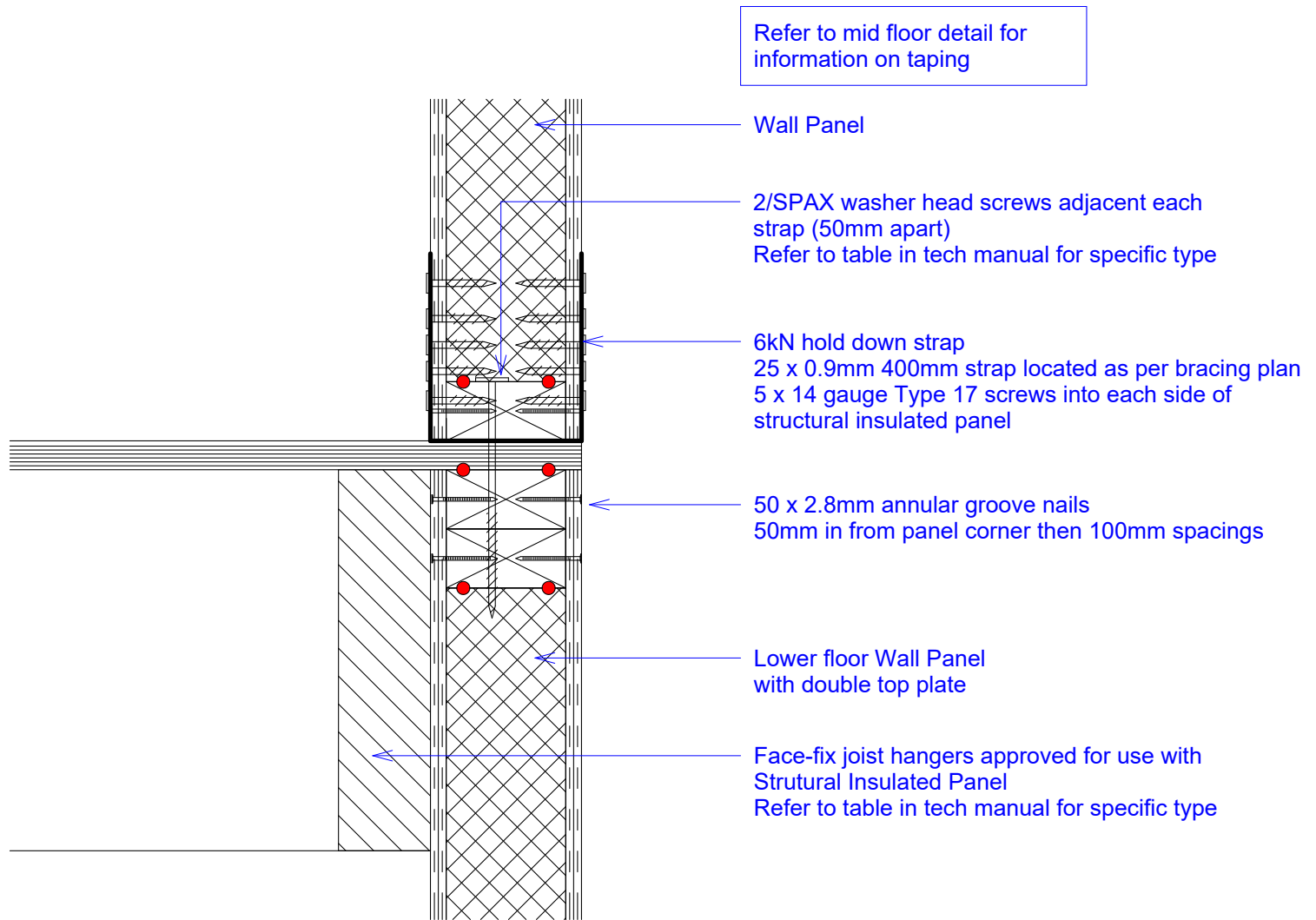
No.	Description	Date
6	INFO	07/07/2021
5	INFO	12/08/2019
4	INFO	29/07/2019
3	INFO	16/07/2019

PROJECT **Standard Details**

SHEET **Mid Floor**

CLIENT **NZSIP**

Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 5
Drawn by NZSIP	DRAWING NUMBER SIP401	
Checked by NZSIP		REV 6



Characteristic Load – Screws

Joist Hanger Type	Number of screws per flange*	Down	Uplift
JH 47 x 90	1	3kN	3kN
JH 47 x 120	2	6kN	6kN
JH 47 x 190	3	9kN	9kN
JH 95 x 165	3	9kN	9kN
JH 90 x 180	3	9kN	9kN

*Fix with Type 17-12g x 35mm Hex head screws

All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

No.	Description	Date
7	INFO	07/07/2021
6	INFO	12/08/2019
5	INFO	29/07/2019
4	INFO	16/07/2019

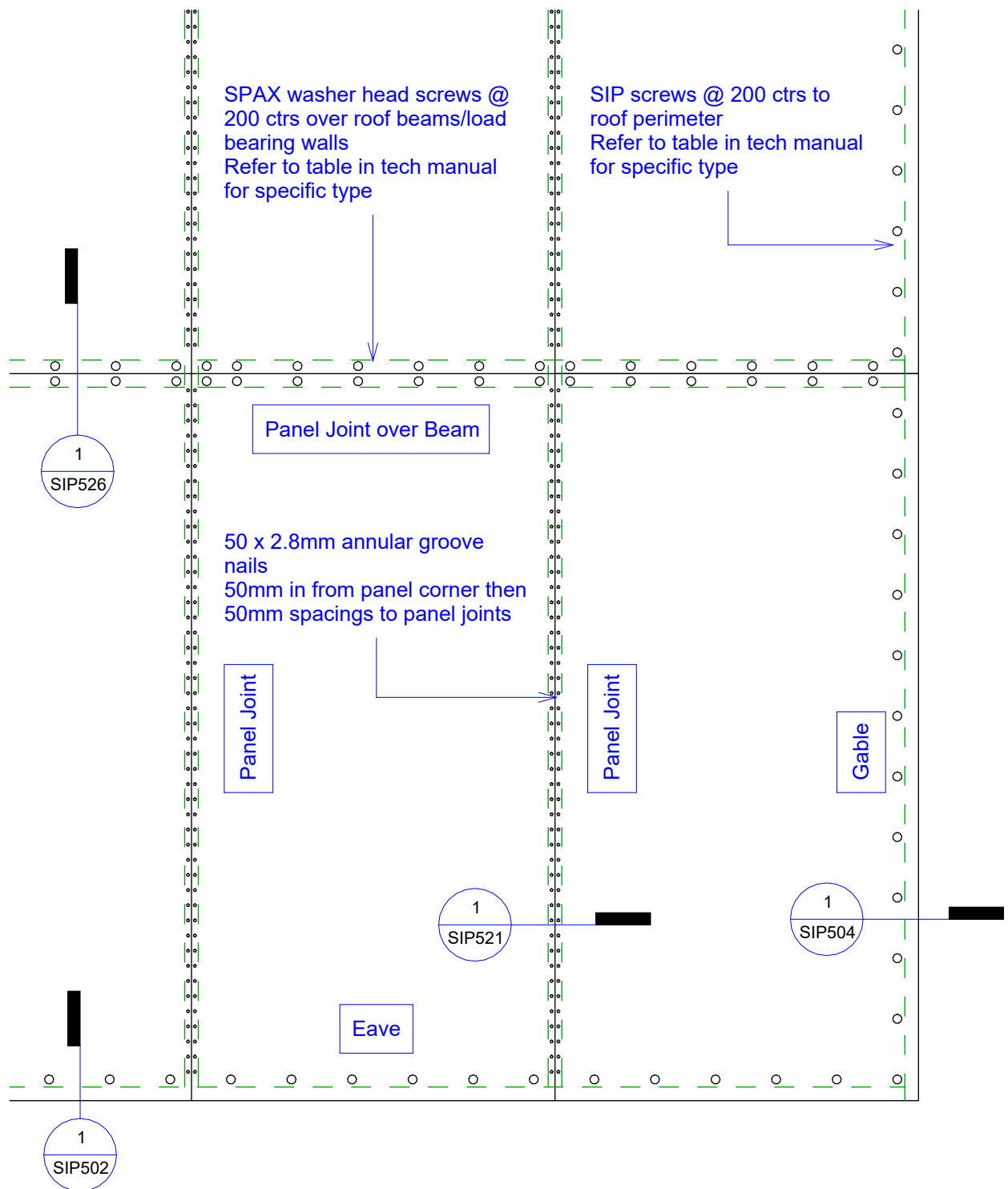
PROJECT Standard Details			
SHEET Hold down Strap - Mid Floor			
CLIENT NZSIP			
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 5	
Drawn by NZSIP	DRAWING NUMBER SIP402		REV 7
Checked by NZSIP			

Sheet Number	Sheet Name
SIP501	Roof Plan
SIP502	Roof/Wall - Eave
SIP504	Roof/Wall - Gable
SIP506	Roof/Wall - Eave Truss Roof
SIP510	Roof/Wall - Ridge
SIP511	Ridge beam
SIP521	Roof Junction
SIP525	Roof Junction - Beam square
SIP526	Roof Junction - Beam angled
SIP550	Roof Plan - Counter batten roof
SIP551	Roof Panel - Counterbatten fixing
SIP555	Roof/Wall - counter batten Eave

All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

No.	Description	Date
3	INFO	16/07/2019
2	INFO	13/05/2019
1	INFO	21/05/2018

PROJECT Standard Details		
SHEET Drawing Index - 500		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4)
Drawn by Author	DRAWING NUMBER SIP500	REV 3
Checked by Checker		



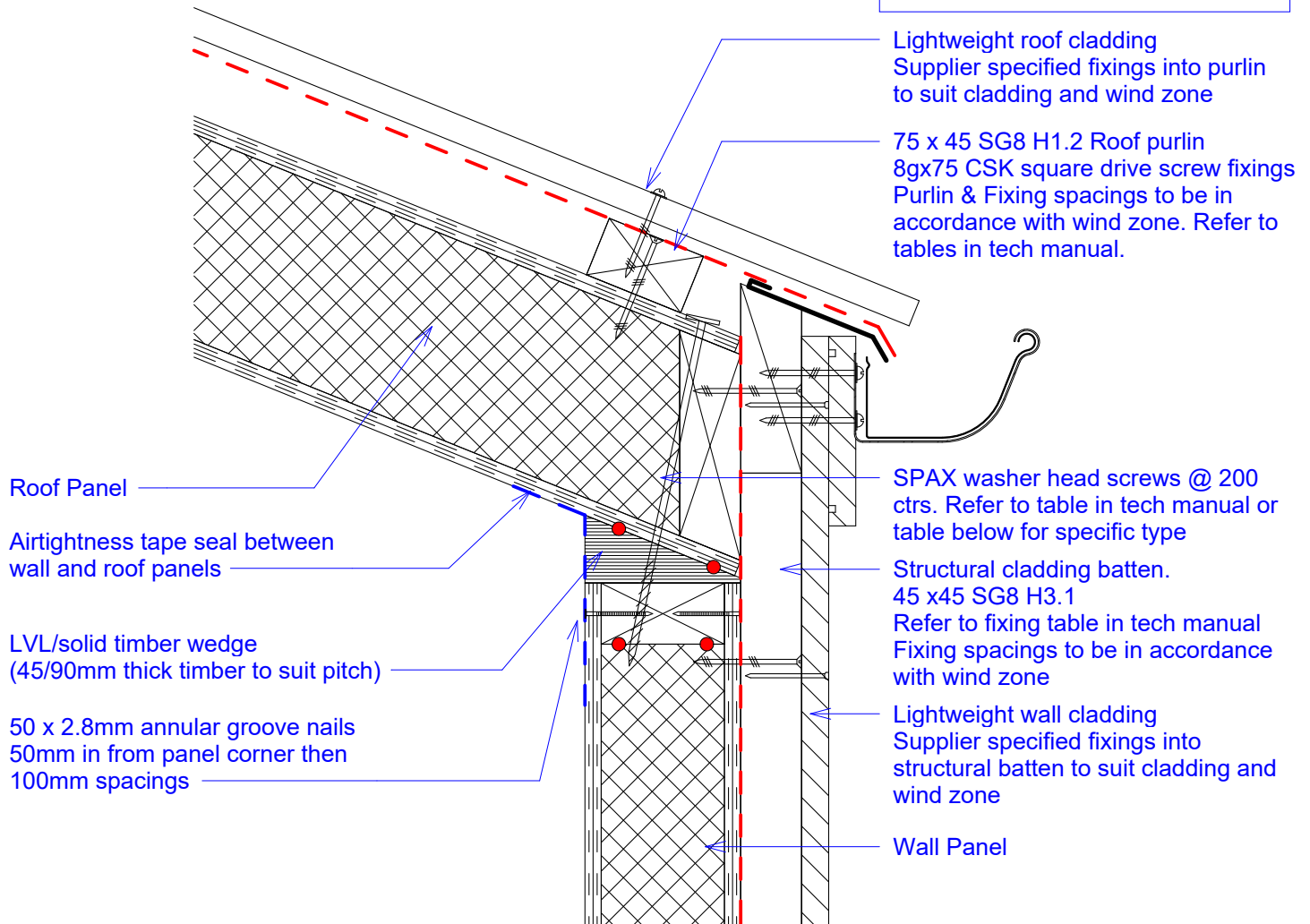
All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

No.	Description	Date
4	INFO	07/07/2021
3	INFO	16/07/2019
2	INFO	13/05/2019
1	INFO	21/05/2018

PROJECT Standard Details			
SHEET Roof Plan			
CLIENT NZSIP			
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 20	
Drawn by NZSIP	DRAWING NUMBER SIP501		REV 4
Checked by NZSIP			

If roof overhangs are required, these should be formed using purlins and/or outriggers as per NZS3604 10.2.1.15 or SED

Flexible roof & wall underlay must comply with NZBC acceptable solution E2/AS1 table 23 or a breather type membrane covered by a valid BRANZ appraisal for use as a roof & wall underlay.



SPAX washer head screws fixing schedule

Washer Head type screws for fixing roof panels, wall panels and beams together are selected from the following.

115 mm thick panel 160 mm x 8 mm
(corner, internal wall or gable connection)

165 mm thick panel 220 mm x 8 mm
(corner, internal wall, gable or roof beam connection)

165 mm thick Roof at maximum 30° Roof pitch 280 mm x 10 mm (eave or roof beam connection)

215 mm thick Roof at maximum 30° Roof pitch 320 mm x 10 mm (eave or roof beam connection)

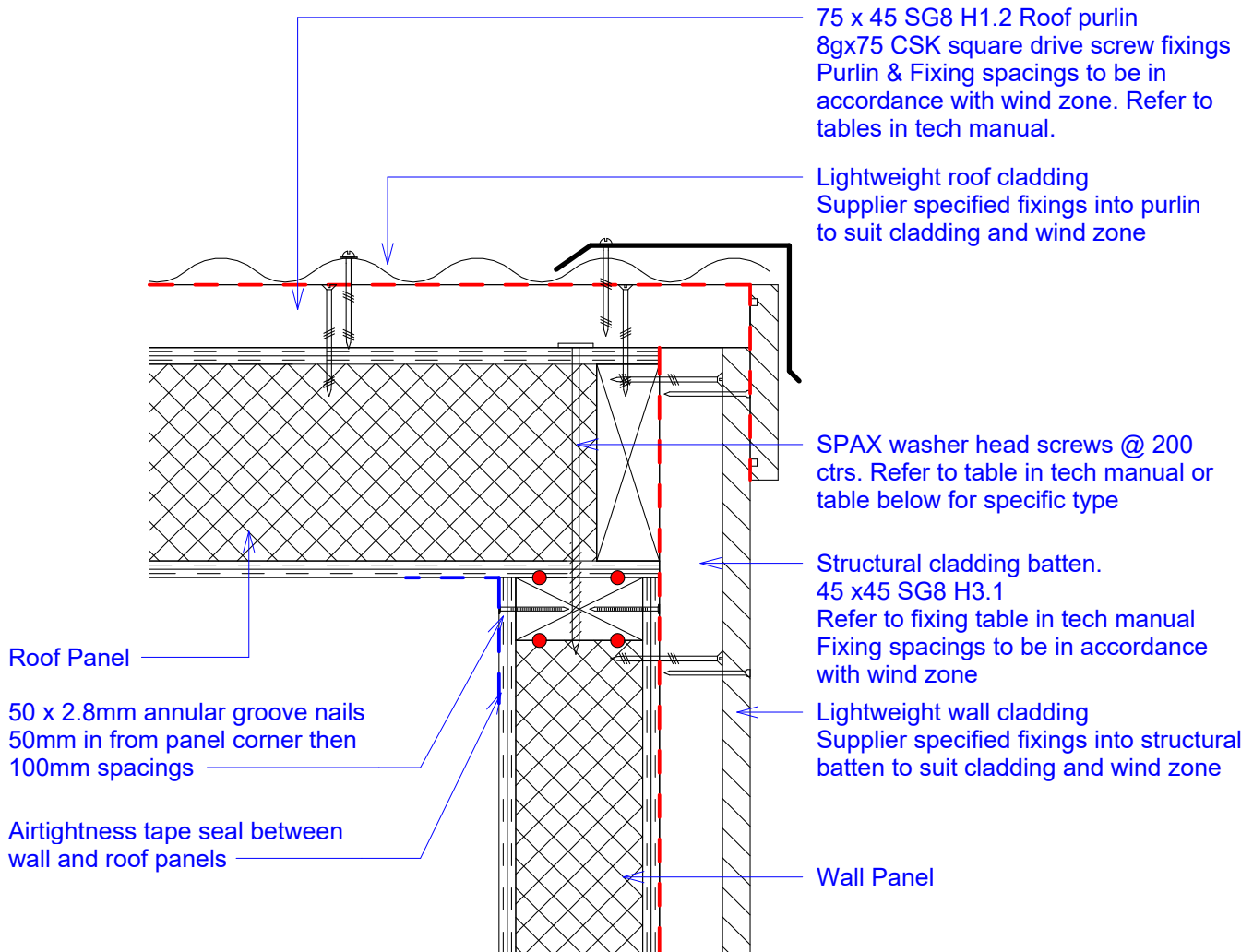
All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

No.	Description	Date
6	INFO	07/07/2021
5	INFO	12/08/2019
4	INFO	29/07/2019
3	INFO	16/07/2019

PROJECT Standard Details		
SHEET Roof/Wall - Eave		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4) As indicated
Drawn by NZSIP	DRAWING NUMBER SIP502	REV 6
Checked by NZSIP		

If roof overhangs are required, these should be formed using purlins and/or outriggers as per NZS3604 10.2.1.15 or SED

Flexible roof & wall underlay must comply with NZBC acceptable solution E2/AS1 table 23 or a breather type membrane covered by a valid BRANZ appraisal for use as a roof & wall underlay.



SPAX washer head screws fixing schedule

Washer Head type screws for fixing roof panels, wall panels and beams together are selected from the following.

115 mm thick panel 160 mm x 8 mm
(corner, internal wall or gable connection)

165 mm thick panel 220 mm x 8 mm
(corner, internal wall, gable or roof beam connection)

165 mm thick Roof at maximum 30° Roof pitch 280 mm x 10 mm (eave or roof beam connection)

215 mm thick Roof at maximum 30° Roof pitch 320 mm x 10 mm (eave or roof beam connection)

All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

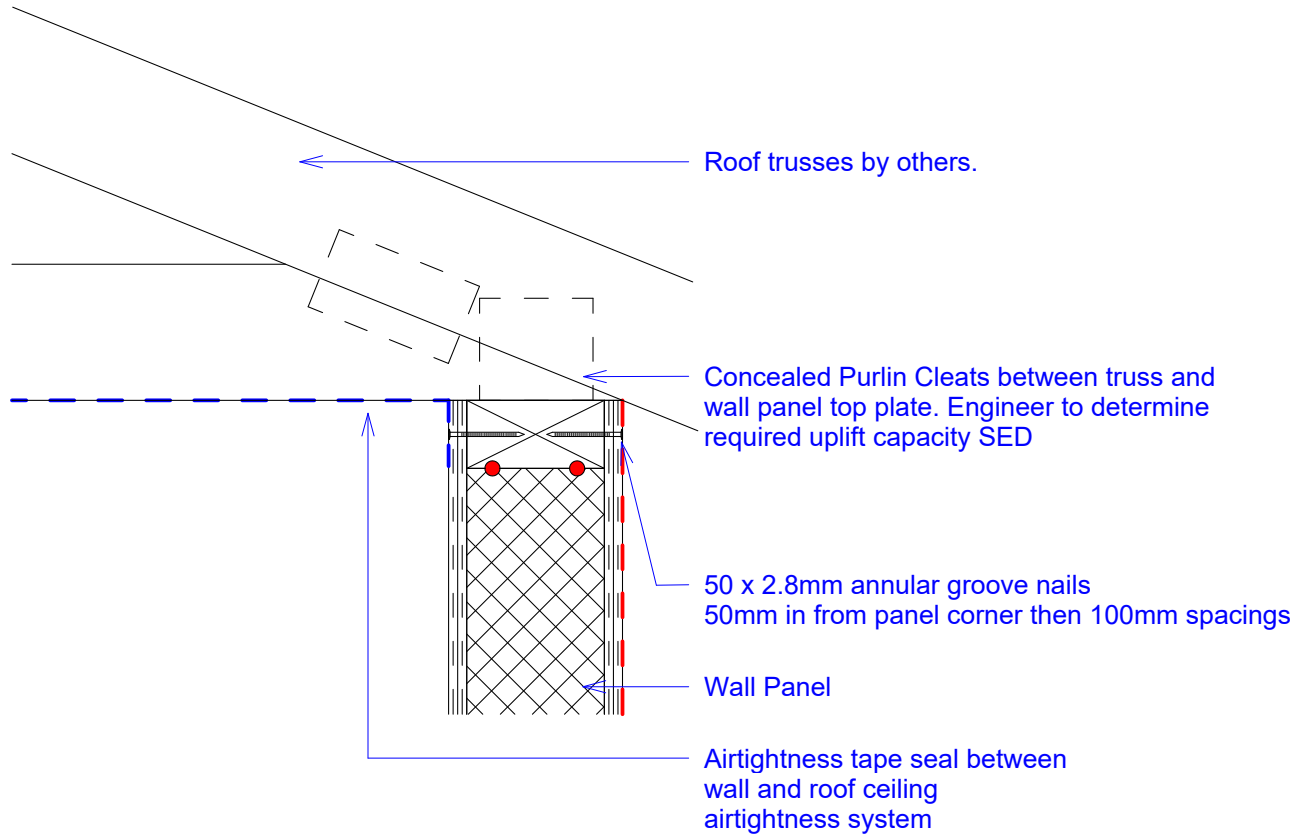
No.	Description	Date
6	INFO	07/07/2021
5	INFO	12/08/2019
4	INFO	29/07/2019
3	INFO	16/07/2019

PROJECT **Standard Details**

SHEET **Roof/Wall - Gable**

CLIENT **NZSIP**

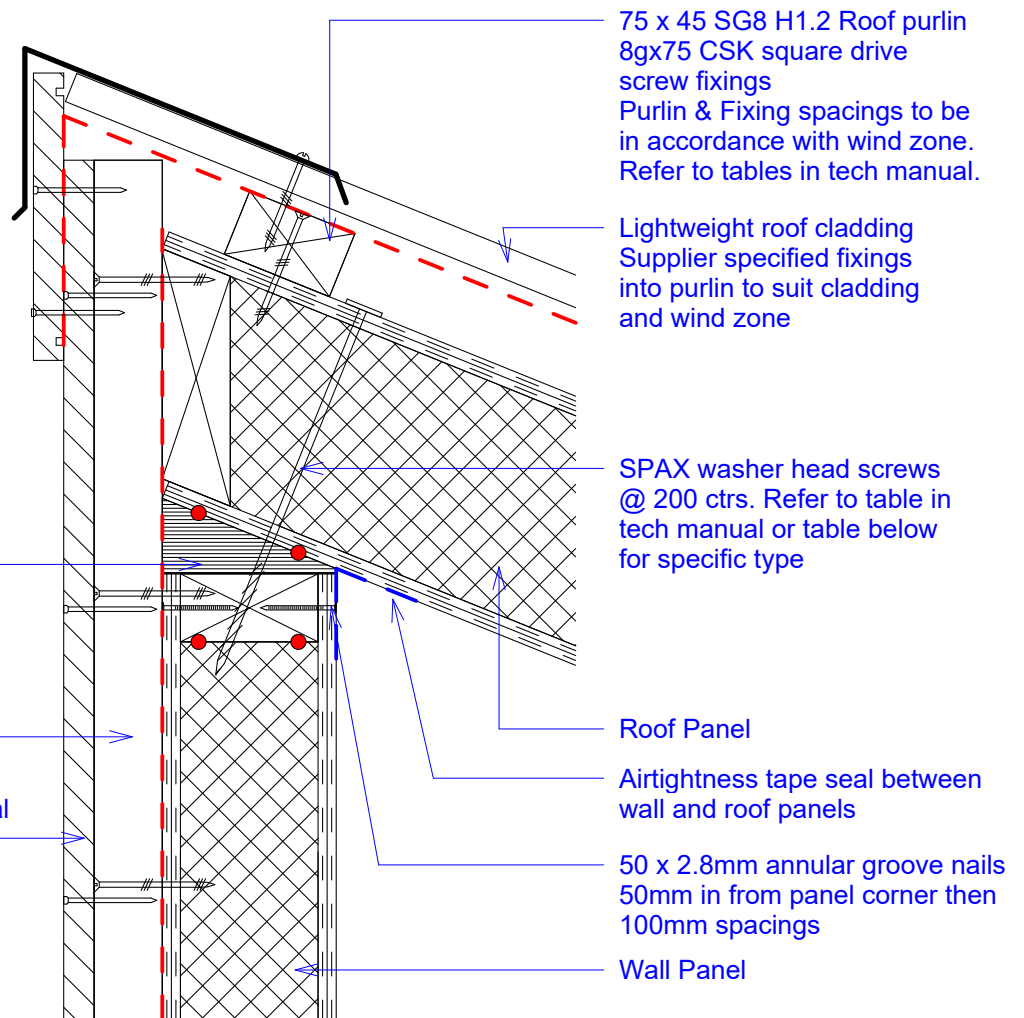
Date May 2018	Project number NZSIP	Scale (@ A4) As indicated
Drawn by NZSIP	DRAWING NUMBER	
Checked by NZSIP	SIP504	
		REV 6



All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

No.	Description	Date
3	INFO	07/07/2021
2	INFO	13/05/2019
1	INFO	21/05/2018

PROJECT Standard Details			
SHEET Roof/Wall - Eave Truss Roof			
CLIENT NZSIP			
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 5	
Drawn by NZSIP	DRAWING NUMBER SIP506		REV
Checked by NZSIP			3



SPAX washer head screws fixing schedule

Washer Head type screws for fixing roof panels, wall panels and beams together are selected from the following.

115 mm thick panel 160 mm x 8 mm
(corner, internal wall or gable connection)

165 mm thick panel 220 mm x 8 mm
(corner, internal wall, gable or roof beam connection)

165 mm thick Roof at maximum 30° Roof pitch 280 mm x 10 mm (eave or roof beam connection)

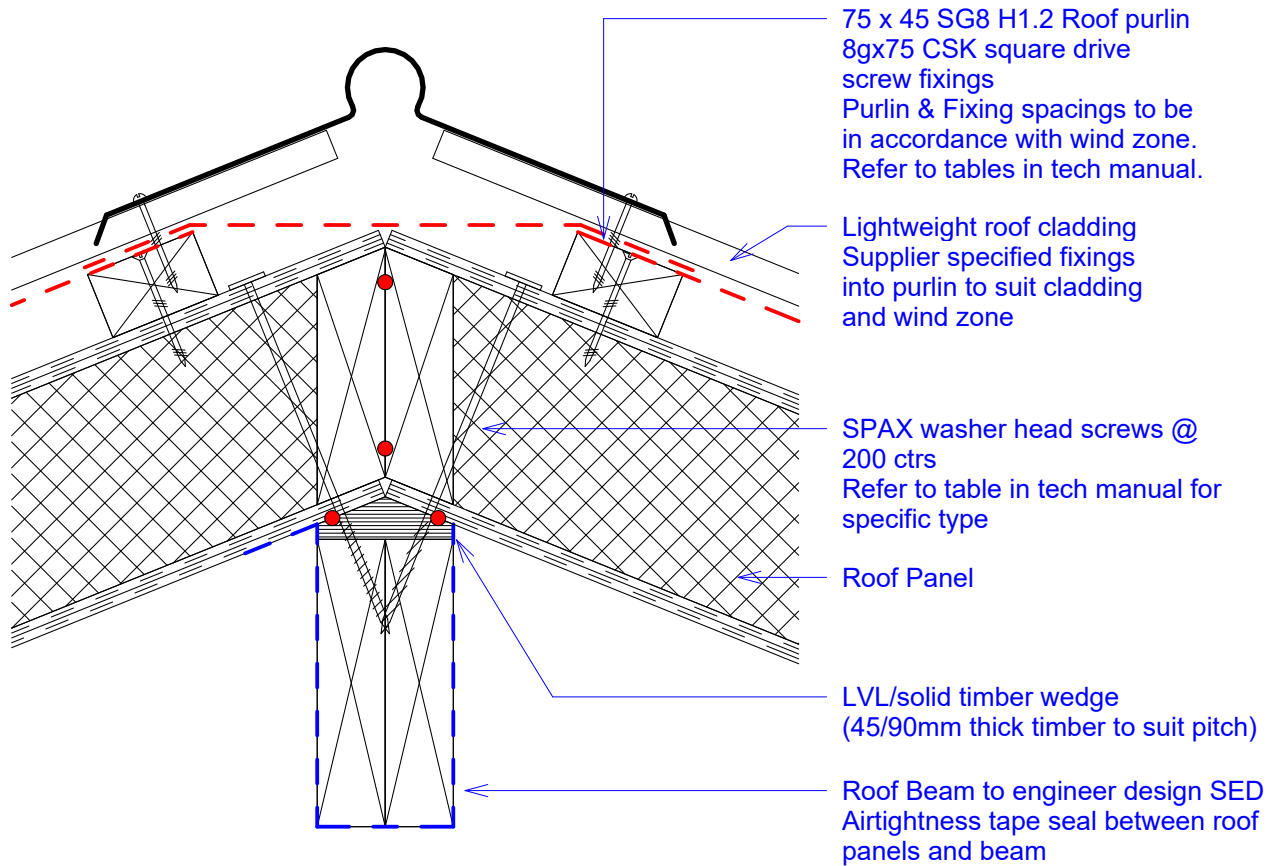
215 mm thick Roof at maximum 30° Roof pitch 320 mm x 10 mm (eave or roof beam connection)

All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

No.	Description	Date
5	INFO	07/07/2021
4	INFO	12/08/2019
3	INFO	29/07/2019
2	INFO	13/05/2019

PROJECT Standard Details		
SHEET Roof/Wall - Ridge		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4) As indicated
Drawn by NZSIP	DRAWING NUMBER SIP510	
Checked by NZSIP		
		REV 5

Flexible roof & wall underlay must comply with NZBC acceptable solution E2/AS1 table 23 or a breather type membrane covered by a valid BRANZ appraisal for use as a roof & wall underlay.



SPAX washer head screws fixing schedule

Washer Head type screws for fixing roof panels, wall panels and beams together are selected from the following.

115 mm thick panel 160 mm x 8 mm
(corner, internal wall or gable connection)

165 mm thick panel 220 mm x 8 mm
(corner, internal wall, gable or roof beam connection)

165 mm thick Roof at maximum 30° Roof pitch 280
mm x 10 mm (eave or roof beam connection)

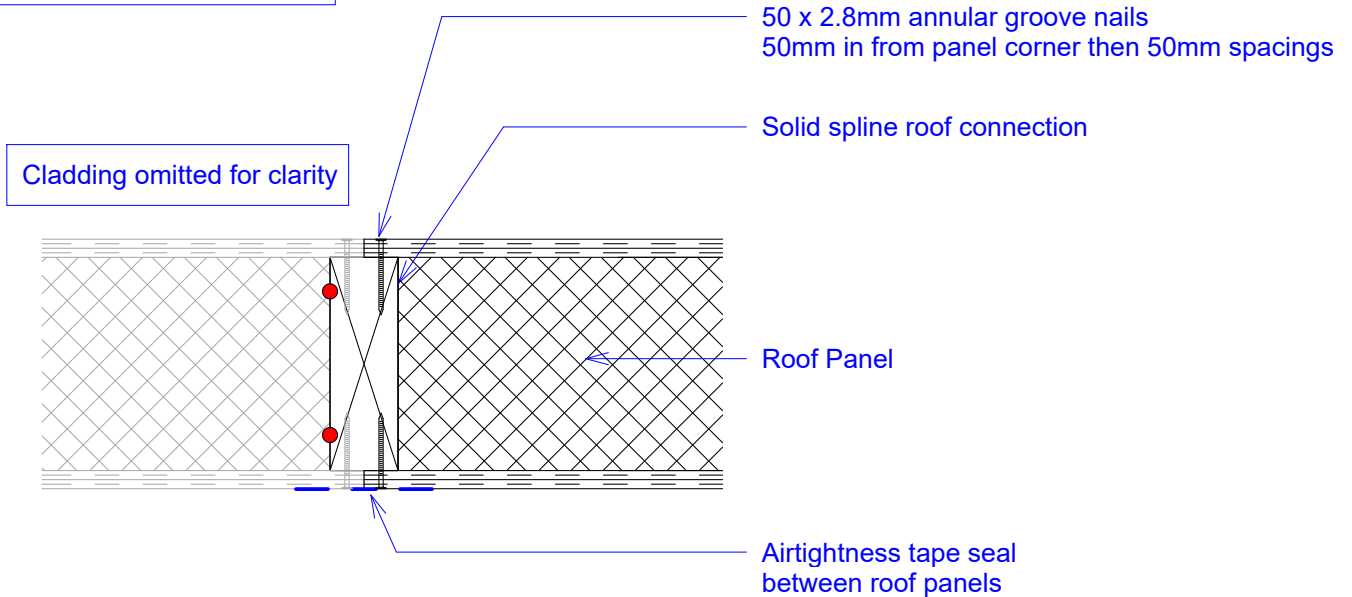
215 mm thick Roof at maximum 30° Roof pitch 320
mm x 10 mm (eave or roof beam connection)

All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

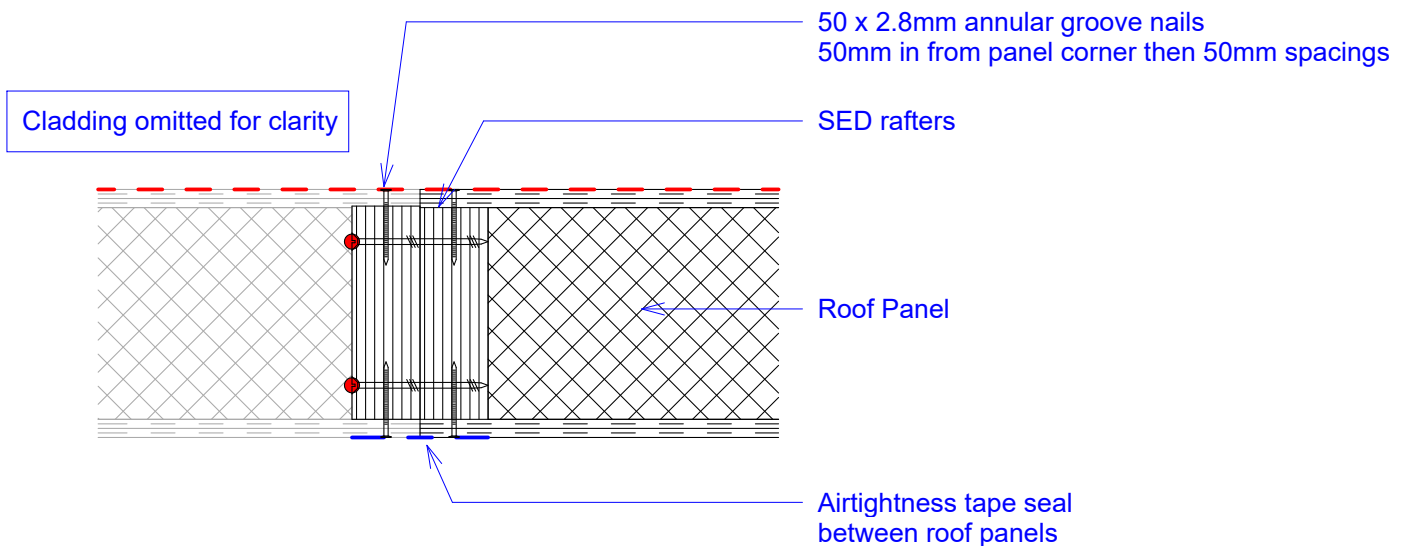
No.	Description	Date
4	INFO	12/08/2019
3	INFO	29/07/2019
2	INFO	13/05/2019
1	INFO	21/05/2018

PROJECT Standard Details		
SHEET Ridge beam		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4) As indicated
Drawn by NZSIP	DRAWING NUMBER SIP511	
Checked by NZSIP		
		REV 4

THIS IS THE STANDARD METHOD
OF CONNECTING ROOF PANELS
USING SPAN TABLES



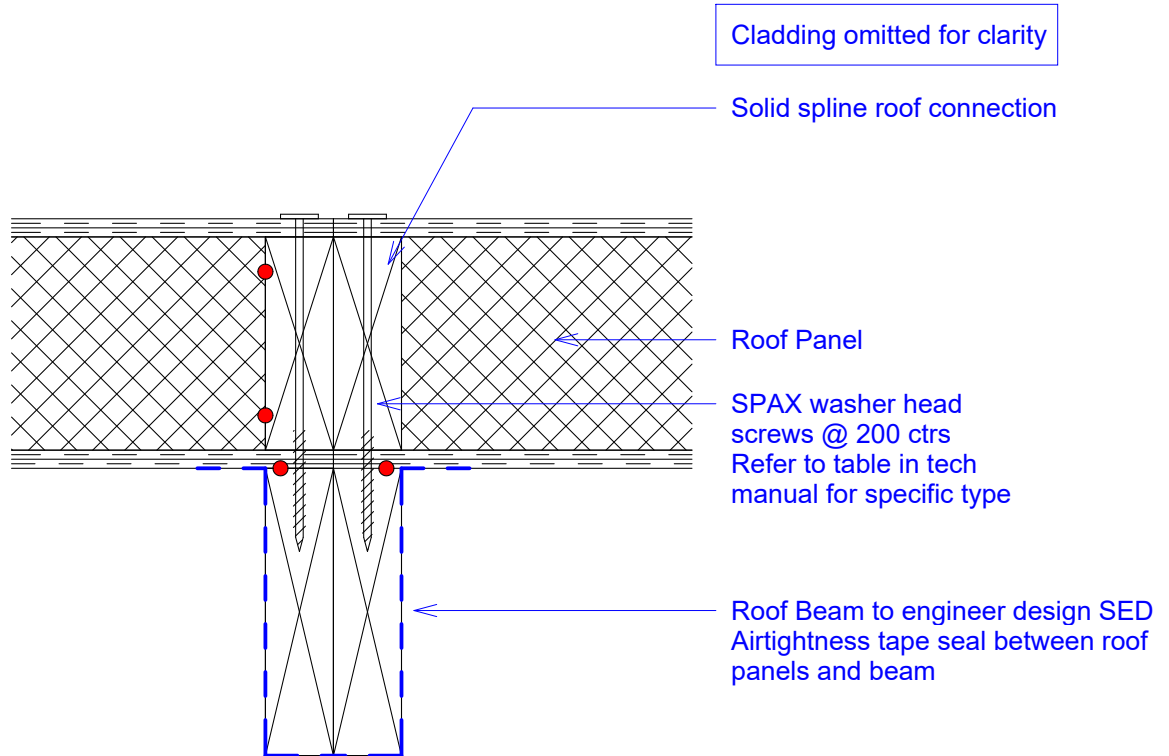
ALTERNATIVE METHOD OF
CONNECTING ROOF PANELS
WITH SED SPANS



All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

No.	Description	Date
4	INFO	07/07/2021
3	INFO	16/07/2019
2	INFO	13/05/2019
1	INFO	21/05/2018

PROJECT Standard Details			
SHEET Roof Junction			
CLIENT NZSIP			
Date May 2018	Project number NZSIP	Scale (@ A4) 1 : 5	
Drawn by NZSIP	DRAWING NUMBER SIP521		REV 4
Checked by NZSIP			



SPAX washer head screws fixing schedule

Washer Head type screws for fixing roof panels, wall panels and beams together are selected from the following.

115 mm thick panel 160 mm x 8 mm
(corner, internal wall or gable connection)

165 mm thick panel 220 mm x 8 mm
(corner, internal wall, gable or roof beam connection)

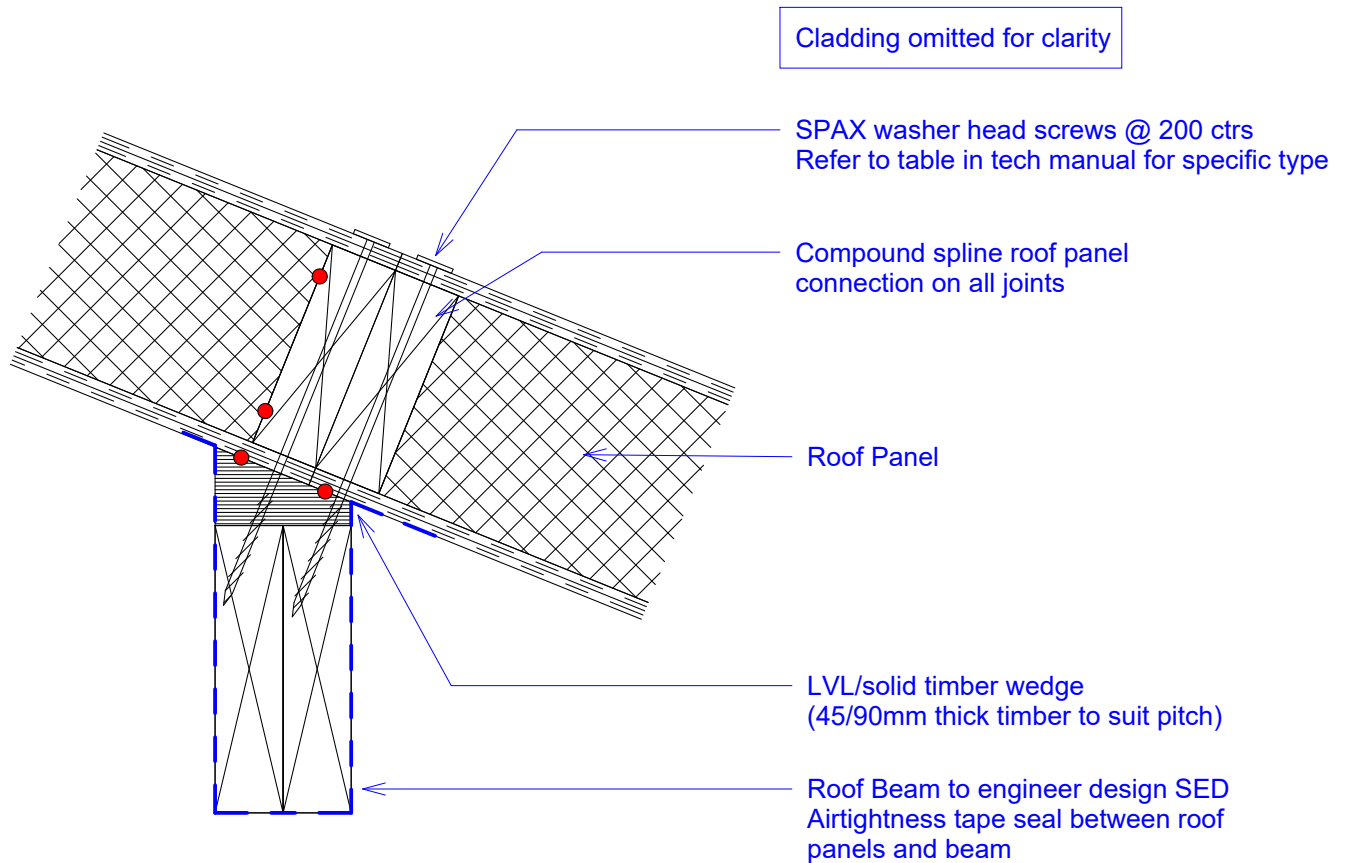
165 mm thick Roof at maximum 30° Roof pitch 280 mm x 10 mm (eave or roof beam connection)

215 mm thick Roof at maximum 30° Roof pitch 320 mm x 10 mm (eave or roof beam connection)

All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

No.	Description	Date
5	INFO	12/08/2019
4	INFO	29/07/2019
3	INFO	16/07/2019
2	INFO	13/05/2019

PROJECT Standard Details		
SHEET Roof Junction - Beam square		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4) As indicated
Drawn by NZSIP	DRAWING NUMBER SIP525	
Checked by NZSIP		
		REV 5



SPAX washer head screws fixing schedule

Washer Head type screws for fixing roof panels, wall panels and beams together are selected from the following.

115 mm thick panel 160 mm x 8 mm
(corner, internal wall or gable connection)

165 mm thick panel 220 mm x 8 mm
(corner, internal wall, gable or roof beam connection)

165 mm thick Roof at maximum 30° Roof pitch 280 mm x 10 mm (eave or roof beam connection)

215 mm thick Roof at maximum 30° Roof pitch 320 mm x 10 mm (eave or roof beam connection)

All work to be in accordance with current NZ Standards unless otherwise noted. Drawings to be read in conjunction with specifications, engineers and other consultant drawings. Engineer's drawings take priority on all structural matters. Contractors shall verify all conditions and dimensions on site and notify New Zealand Structural Insulated Panels Limited (NZSIP) of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Any changes without the approval of NZSIP and/or the local building authority in writing shall void NZSIP of all contractual obligations.

No.	Description	Date
5	INFO	12/08/2019
4	INFO	29/07/2019
3	INFO	16/07/2019
2	INFO	13/05/2019

PROJECT Standard Details		
SHEET Roof Junction - Beam angled		
CLIENT NZSIP		
Date May 2018	Project number NZSIP	Scale (@ A4) As indicated
Drawn by NZSIP	DRAWING NUMBER SIP526	REV 5
Checked by NZSIP		