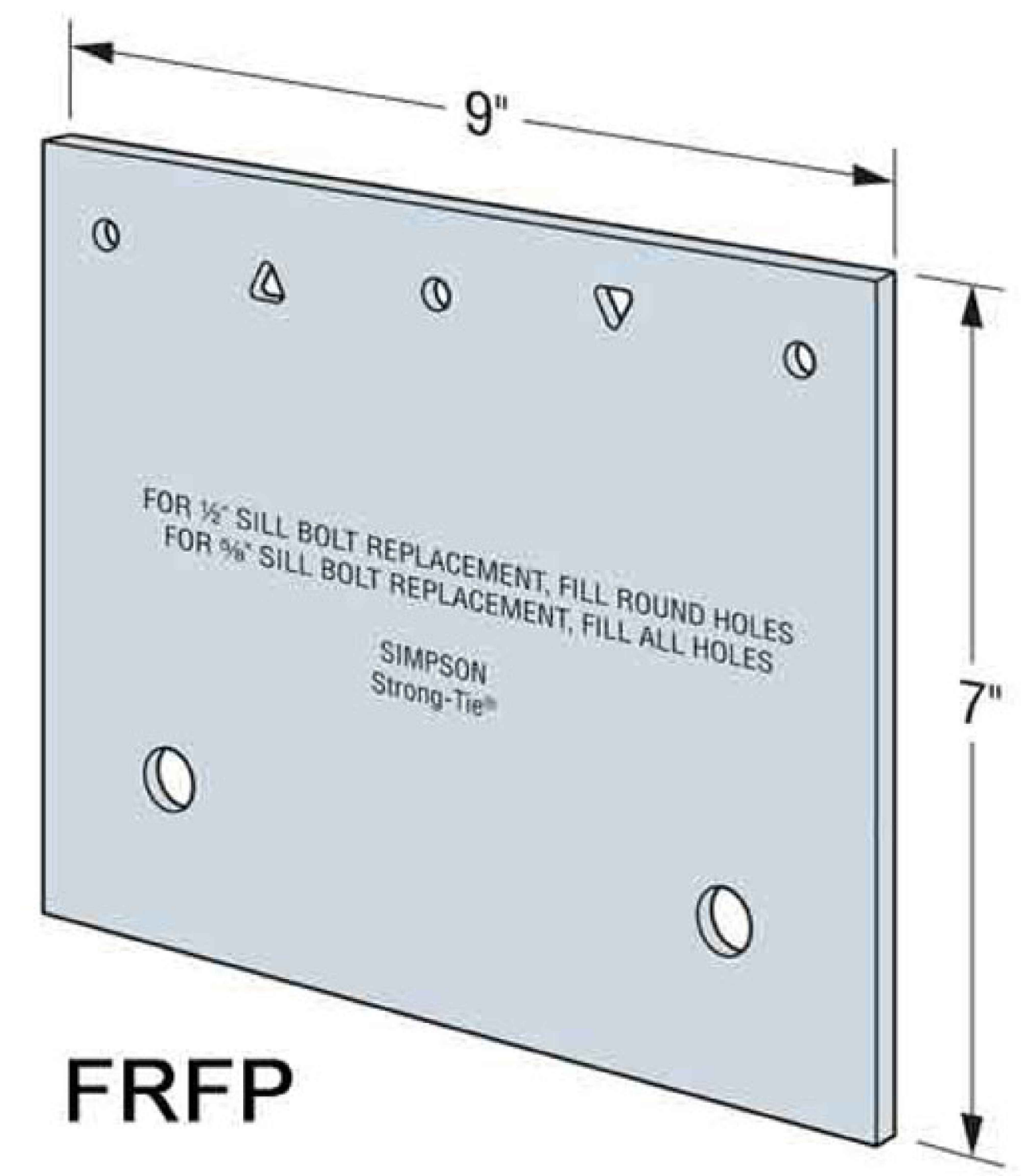
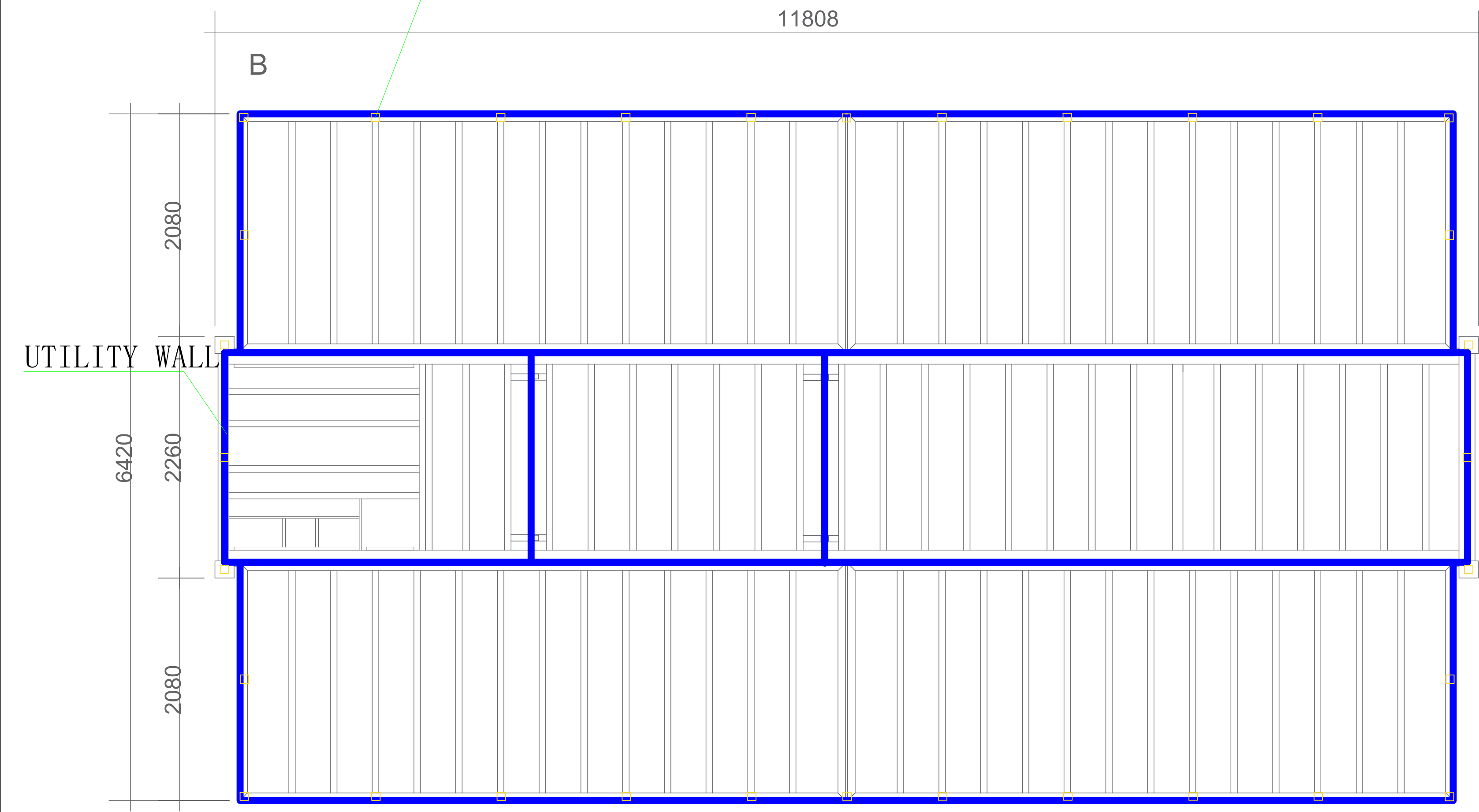
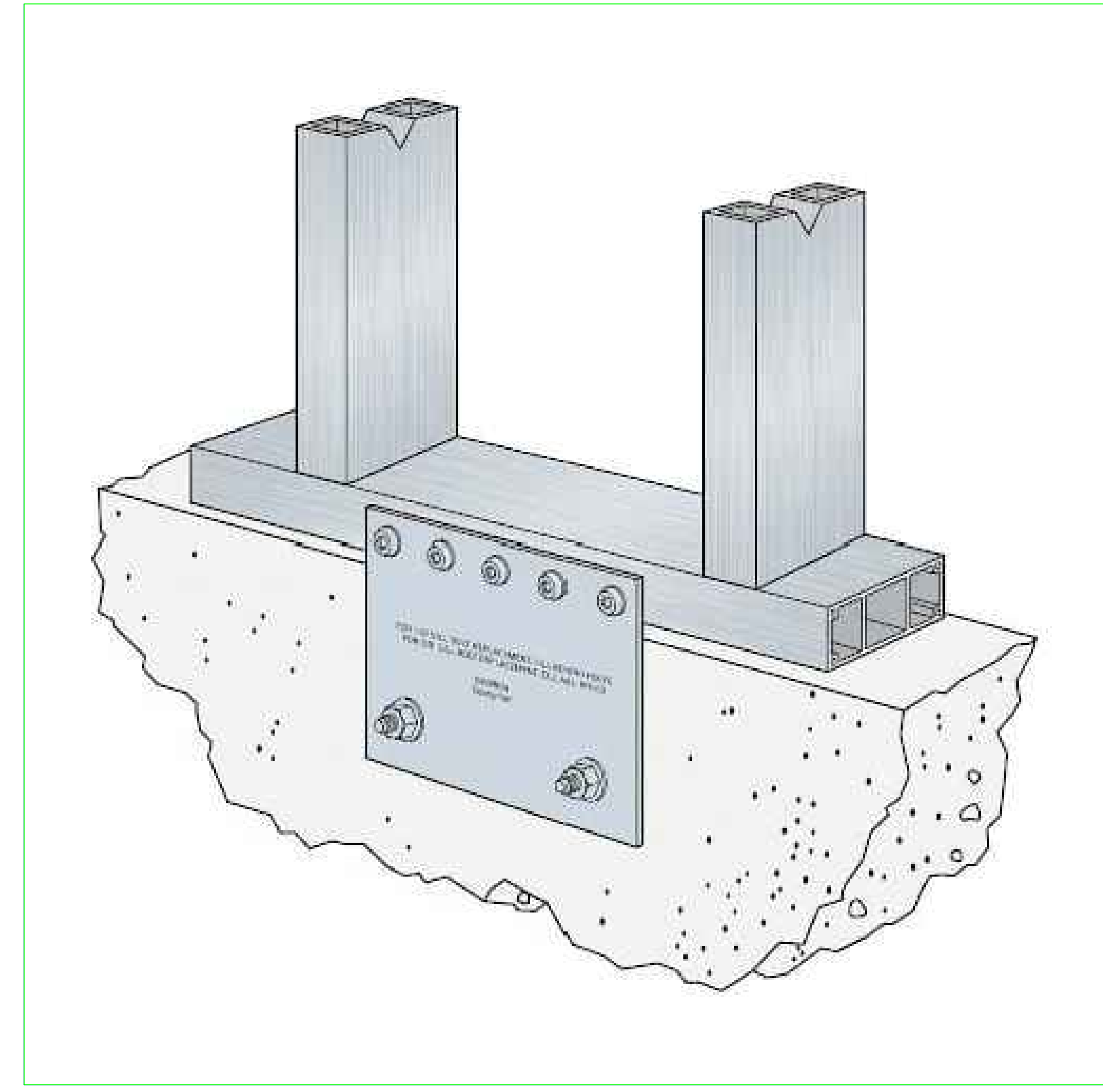


Foundation Interface Schematic



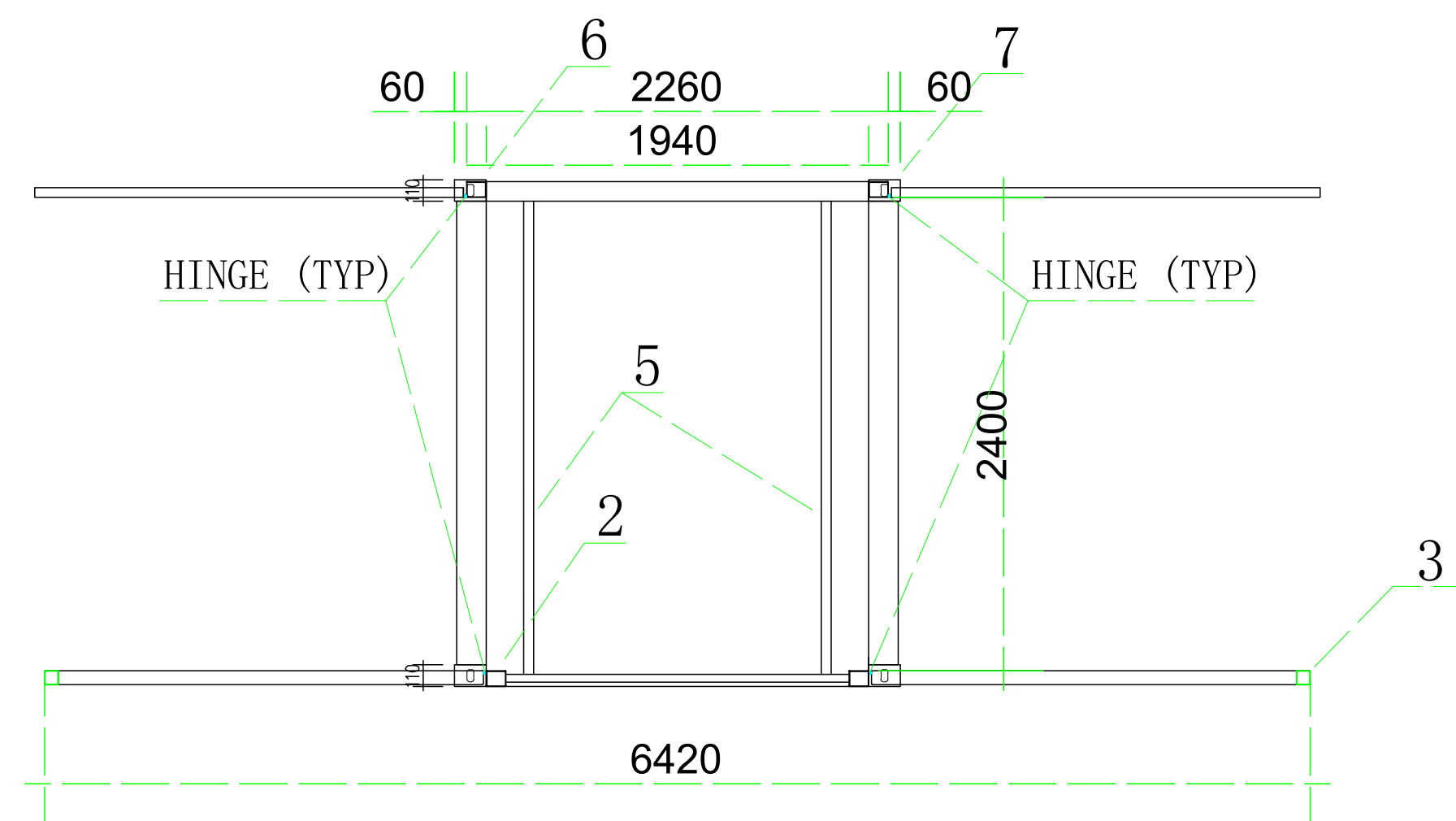
FRFP anchorage at 1200mm o.c. maximum.



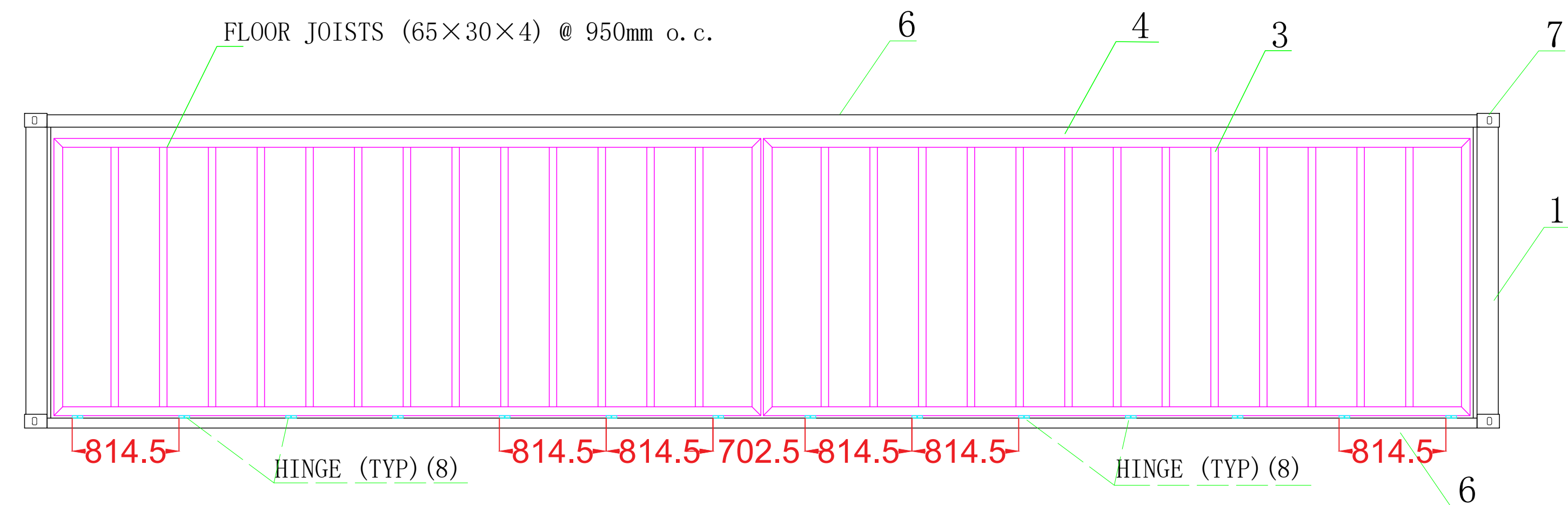
DUO FOUNDATION SCHEMATIC

NOTES:

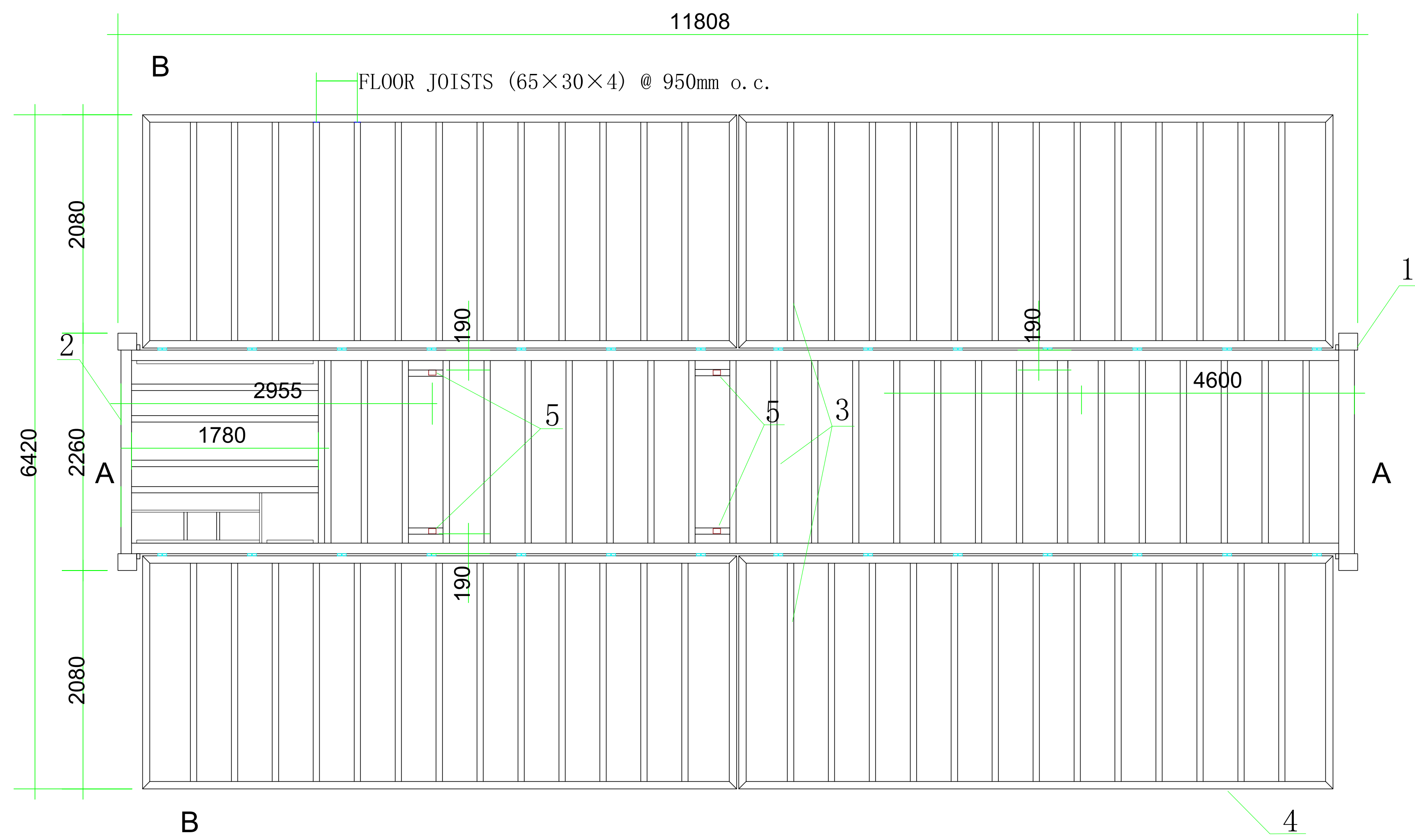
1. FRFP anchorage at 4'-0" o.c. maximum."
2. All utilities at rear wall; maintain 305 mm (12") clearance from FRFP plates."
3. Diagram illustrates required bearing configuration only."
4. Foundation design is site-specific and by others."
5. Foundation dimensions, footing sizes, frost depth, reinforcement, and site-specific structural design are by others."
6. "Module requires continuous bearing at perimeter and two interior lines located 2,080 mm from exterior walls."



SECTION B-B — SIDE PROFILE (PRE-DEPLOYMENT / TRANSPORT MODE)



SECTION A-A — FLOOR DECK PLAN (PRE-DEPLOYMENT / TRANSPORT MODE)



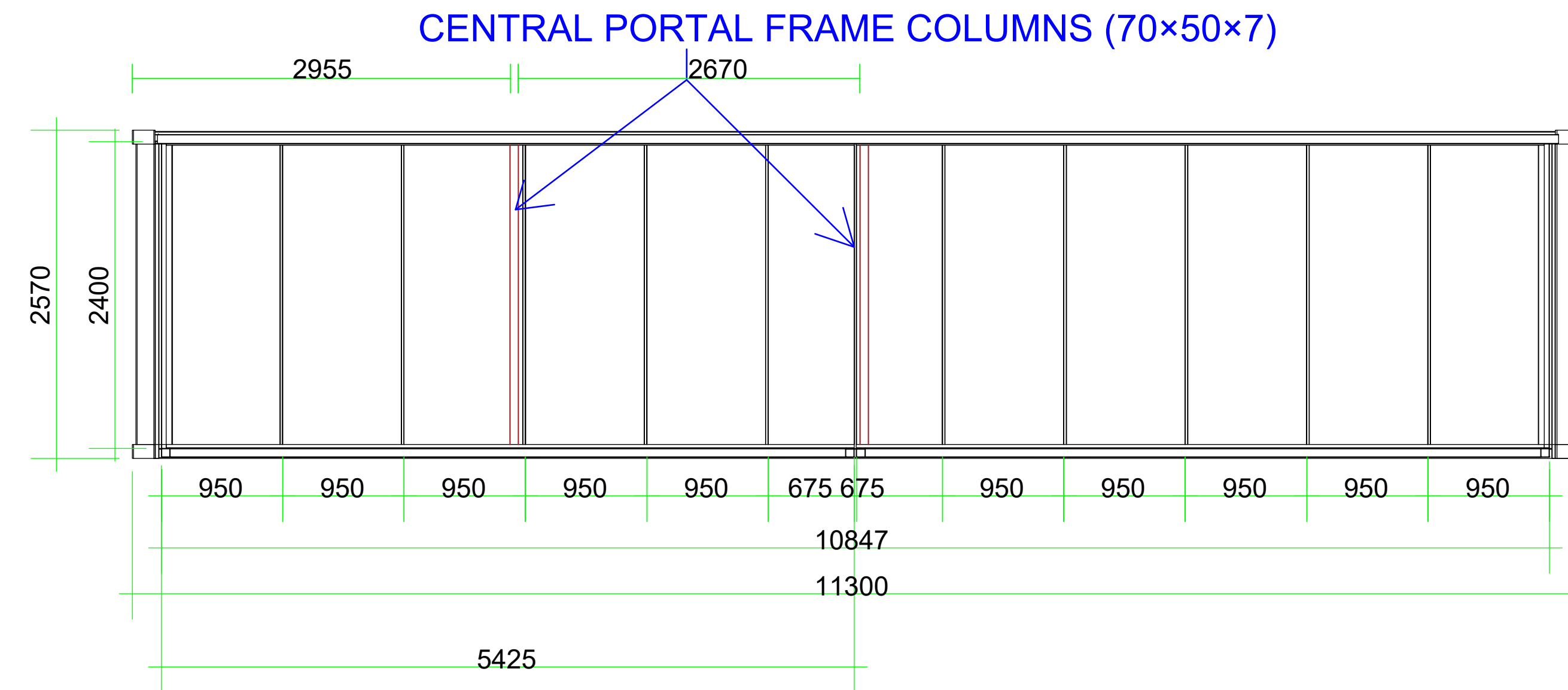
FLOOR STRUCTURE PLAN

40FT (2.4m)

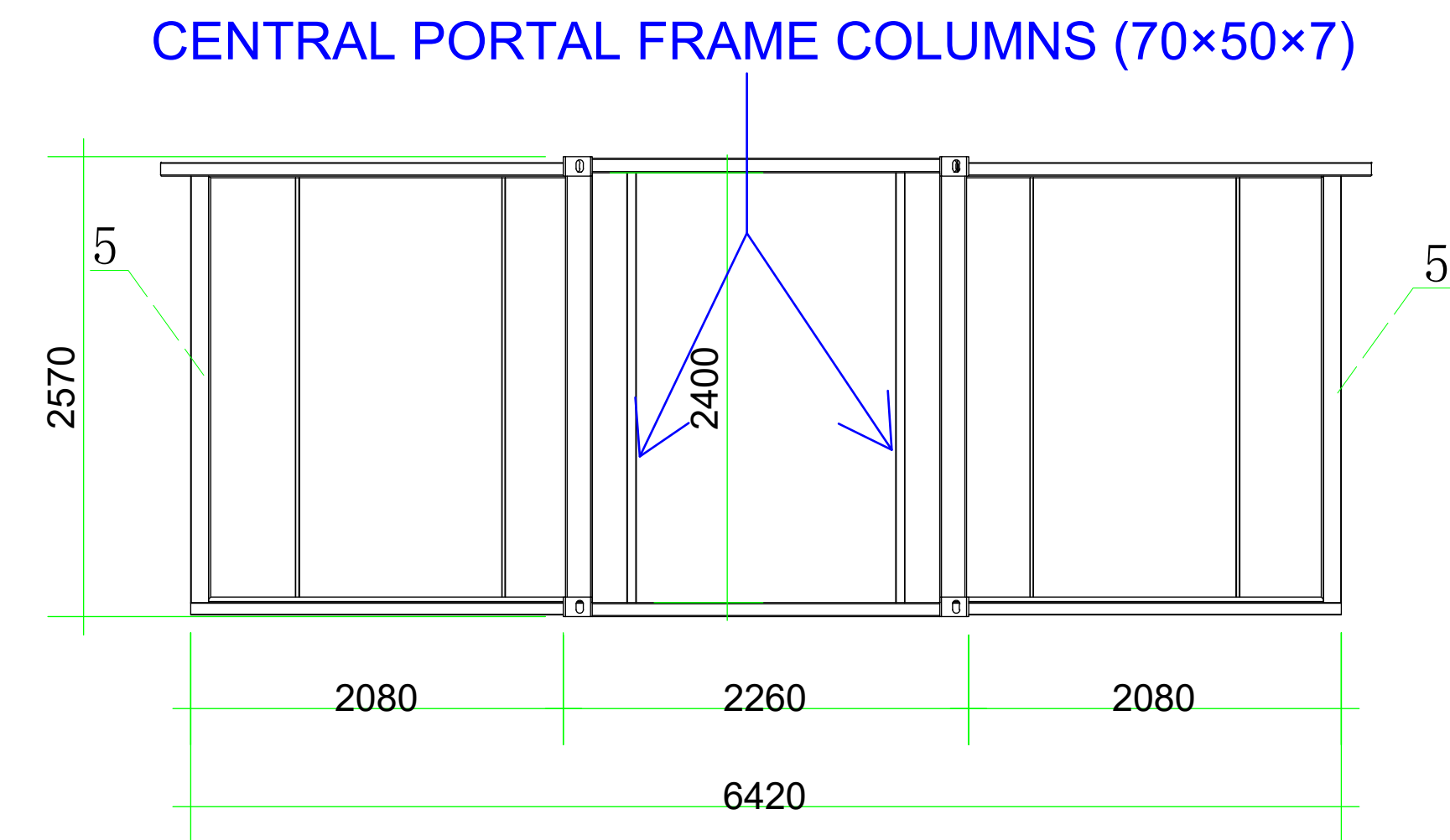
Structural Specification Table

SL No.	Member Name	Section (mm)	Material
1	Gable Frame Column	178 × 162 × 3	ASTM A653 Gr.50
2	Central Frame Floor Beam	100×80×3.5	ASTM A653 Gr.50
3	Floor Joists	80 x 40 x 2	ASTM A653 Gr.50
4	Floor Perimeter Beams	80 × 60 × 4	ASTM A653 Gr.50
5	Portal Frame Columns	50 × 70 × 7	ASTM A653 Gr.50
6	Central Frame Column	80 × 100 × 3.5	ASTM A653 Gr.50
7	Corner Fitting	160 × 178 × 110	Q235A (Standard Casting)
8	Hinge	3 mm steel plate, 10 mm pin	-

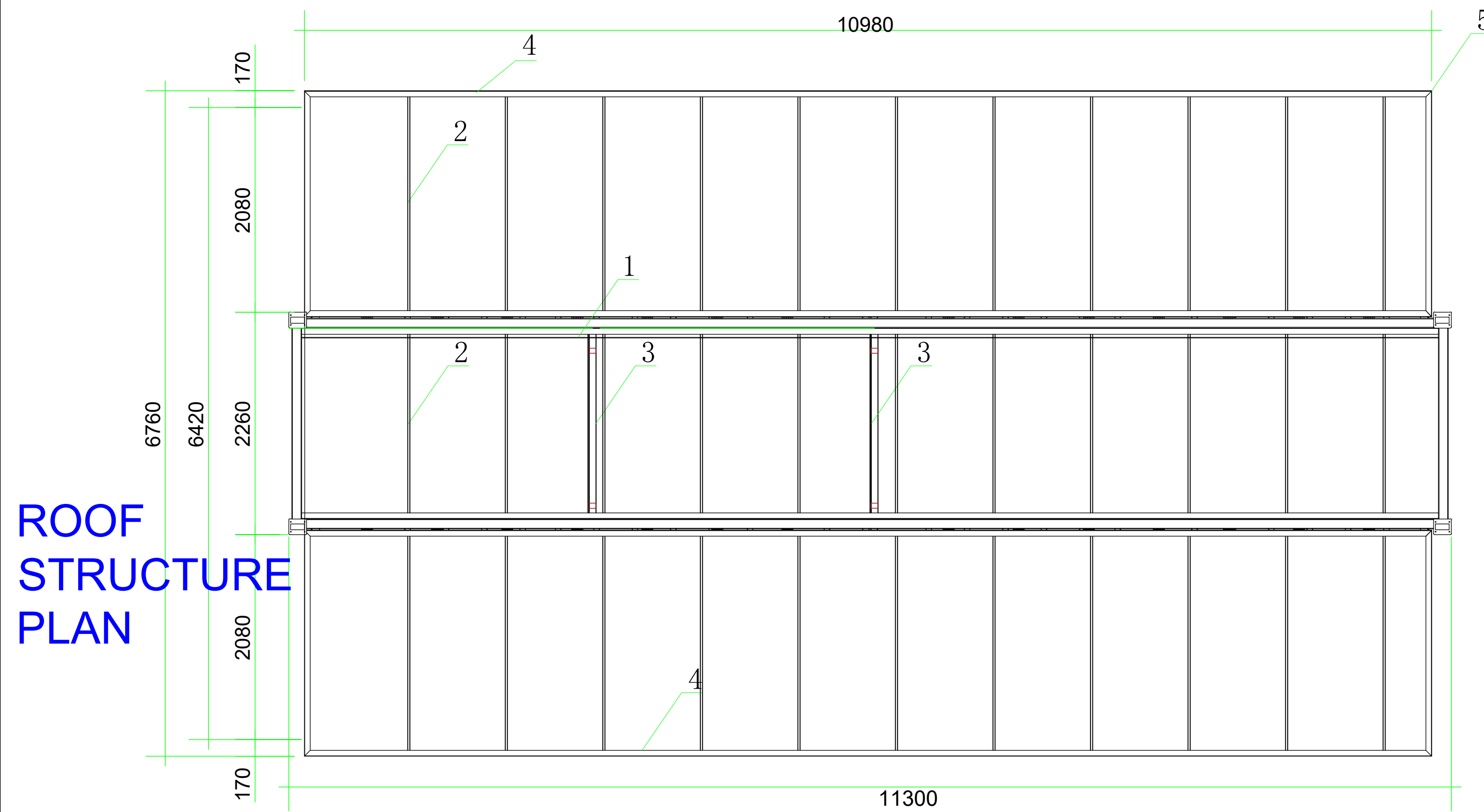
	DRAWN	LCH-01	2024. 04. 25		DRAWING NAME	CENTRAL FLOOR STRUCTURE & TRANSPORT CONFIGURATION — SwiftBox Duo
	DATE					
	APPROVED					
	SCALE					
		Page of		PROJECT NO.		



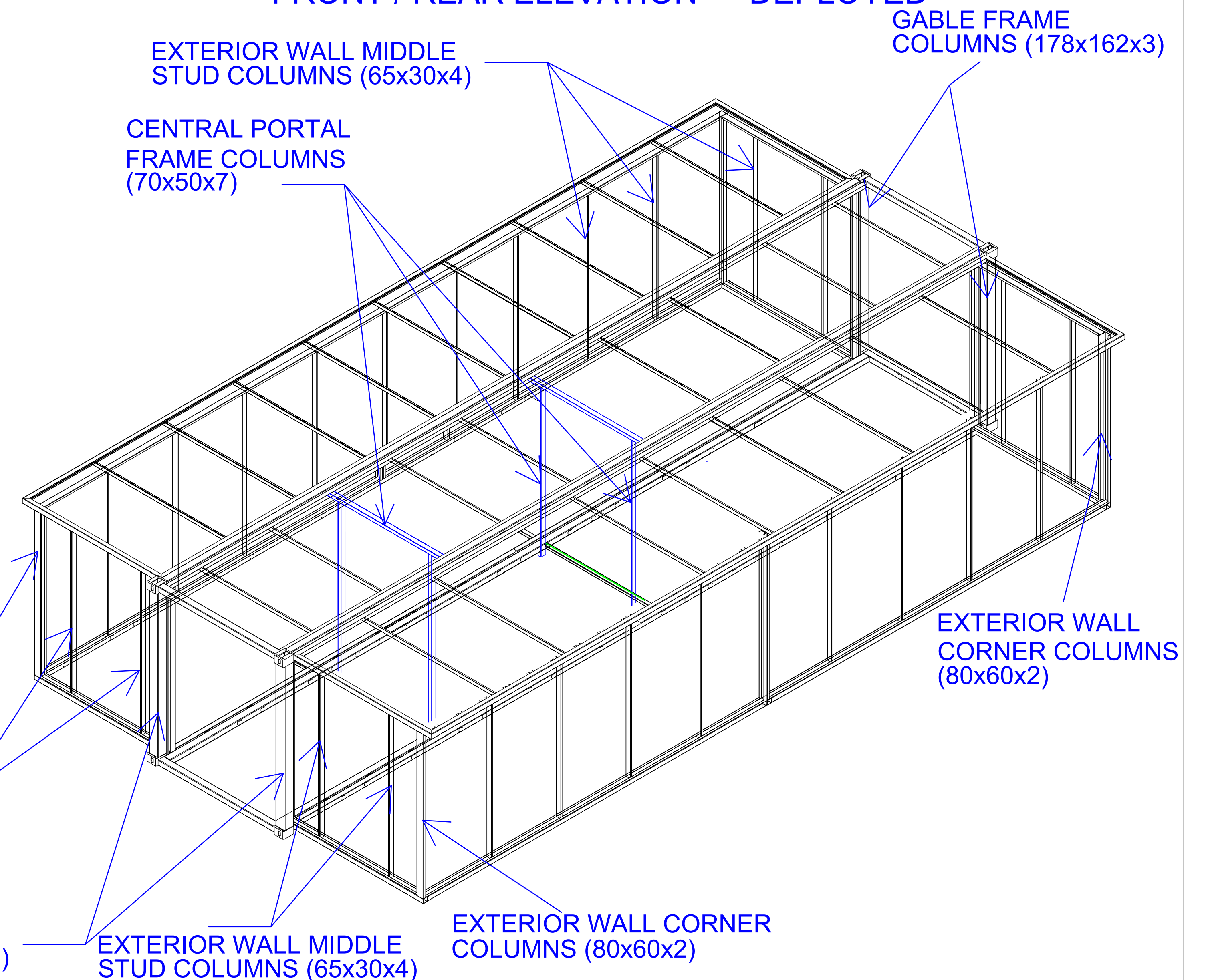
SIDE ELEVATION — DEPLOYED



FRONT / REAR ELEVATION — DEPLOYED



ROOF STRUCTURE PLAN



Structural Specification Table(Roof)			
SL No.	Member Name	Section (mm)	Material
1	Central Frame Roof Beam	80x100x7	ASTM A653 Gr.50
2	Roof Joists	65x30x4	ASTM A653 Gr.50
3	Portal Frame Roof Beams	50x70x7	ASTM A653 Gr.50
4	Roof Beams Above Wall	80x60x4	ASTM A653 Gr.50
5	Exterior Wall Column Corner	80x60x2	ASTM A653 Gr.50

EXTERIOR WALL CORNER COLUMNS (80x60x2)

EXTERIOR WALL MIDDLE STUD COLUMNS (65x30x4)

GABLE FRAME COLUMNS (178x162x3)

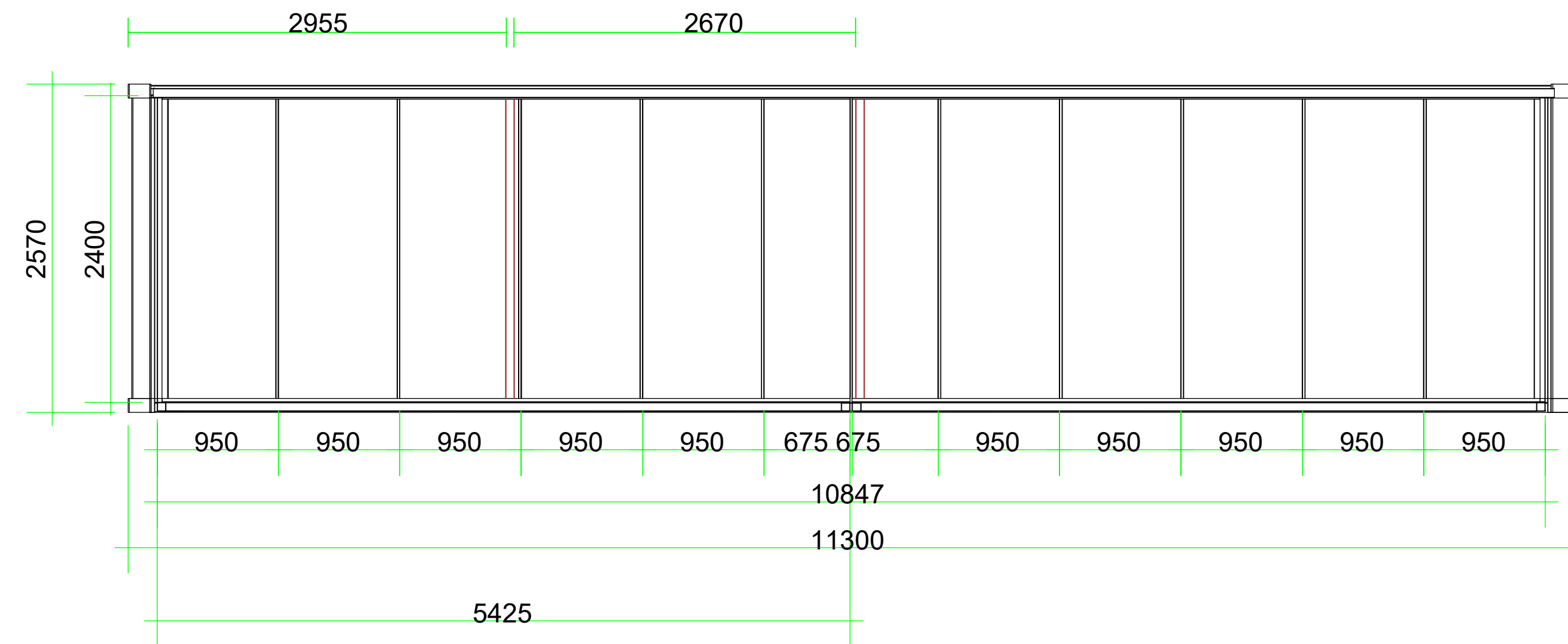
EXTERIOR WALL MIDDLE STUD COLUMNS (65x30x4)

EXTERIOR WALL CORNER COLUMNS (80x60x2)

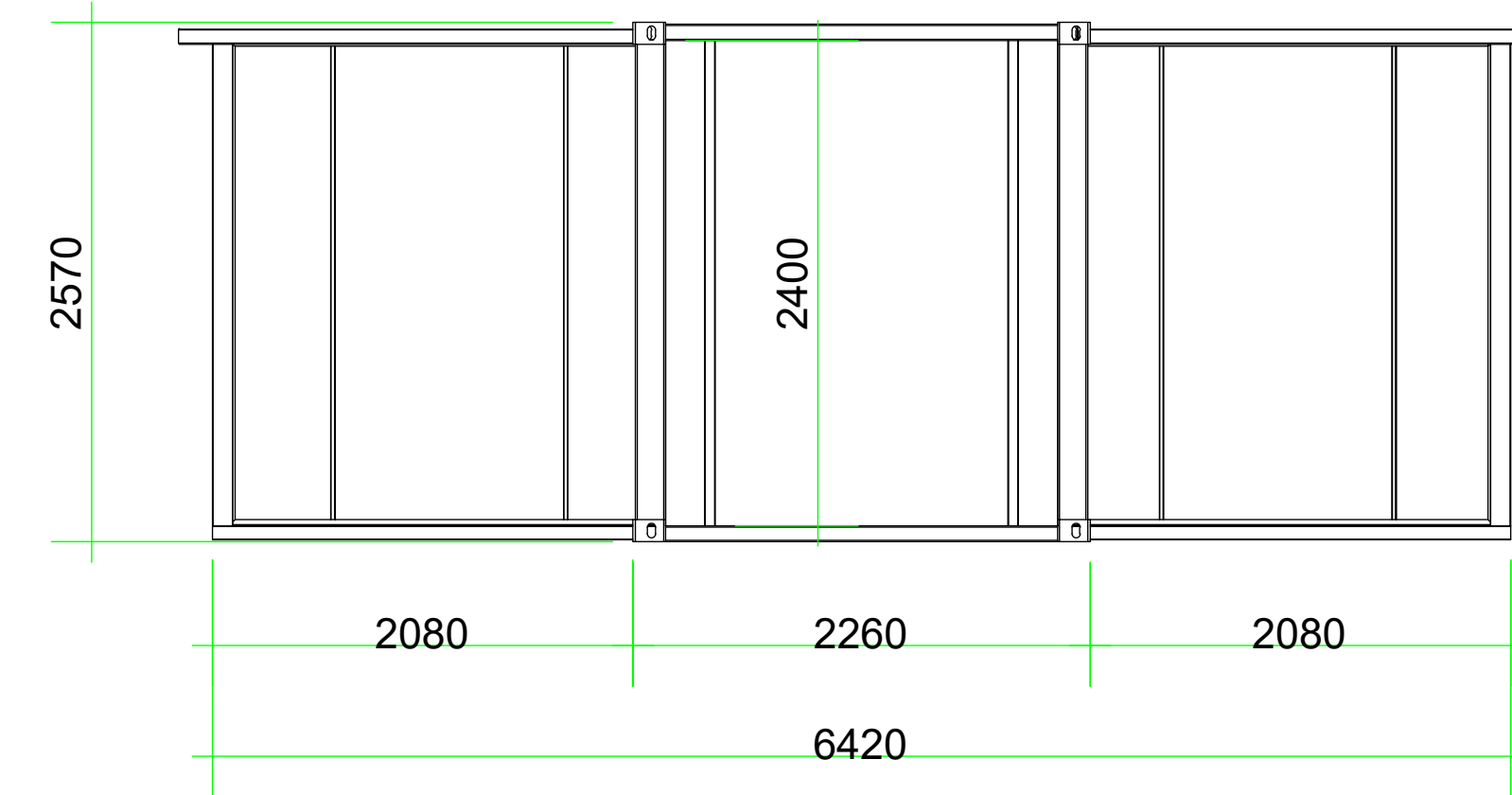
GABLE FRAME COLUMNS (178x162x3)

EXTERIOR WALL CORNER COLUMNS (80x60x2)

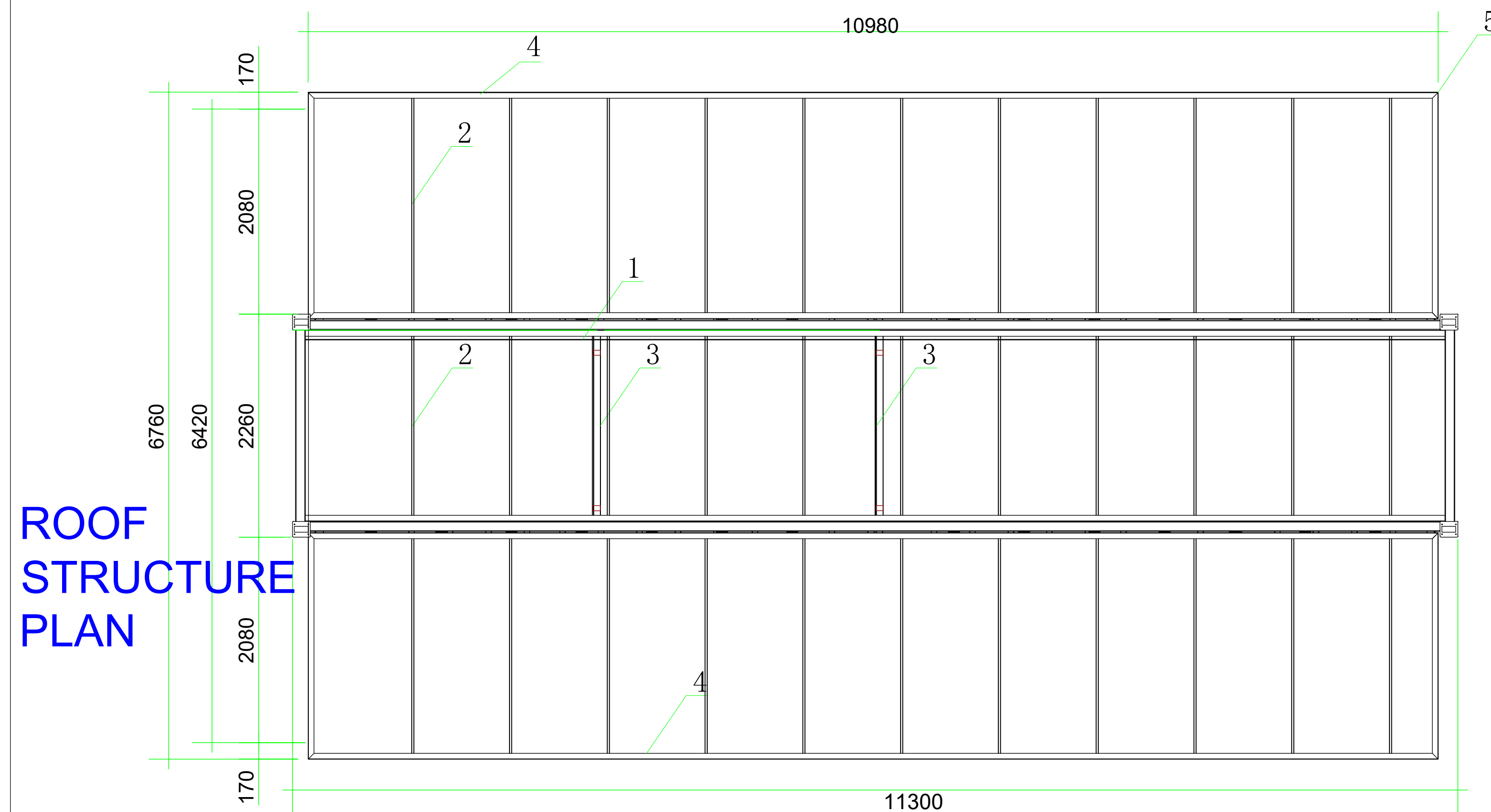
DRAWN	LCH-01	2024. 04. 25		DRAWING NAME	WALL FRAMING & FLOOR STRUCTURE — DEPLOYED ELEVATIONS
DATE				PROJECT NO.	
APPROVED					
SCALE		Page of			



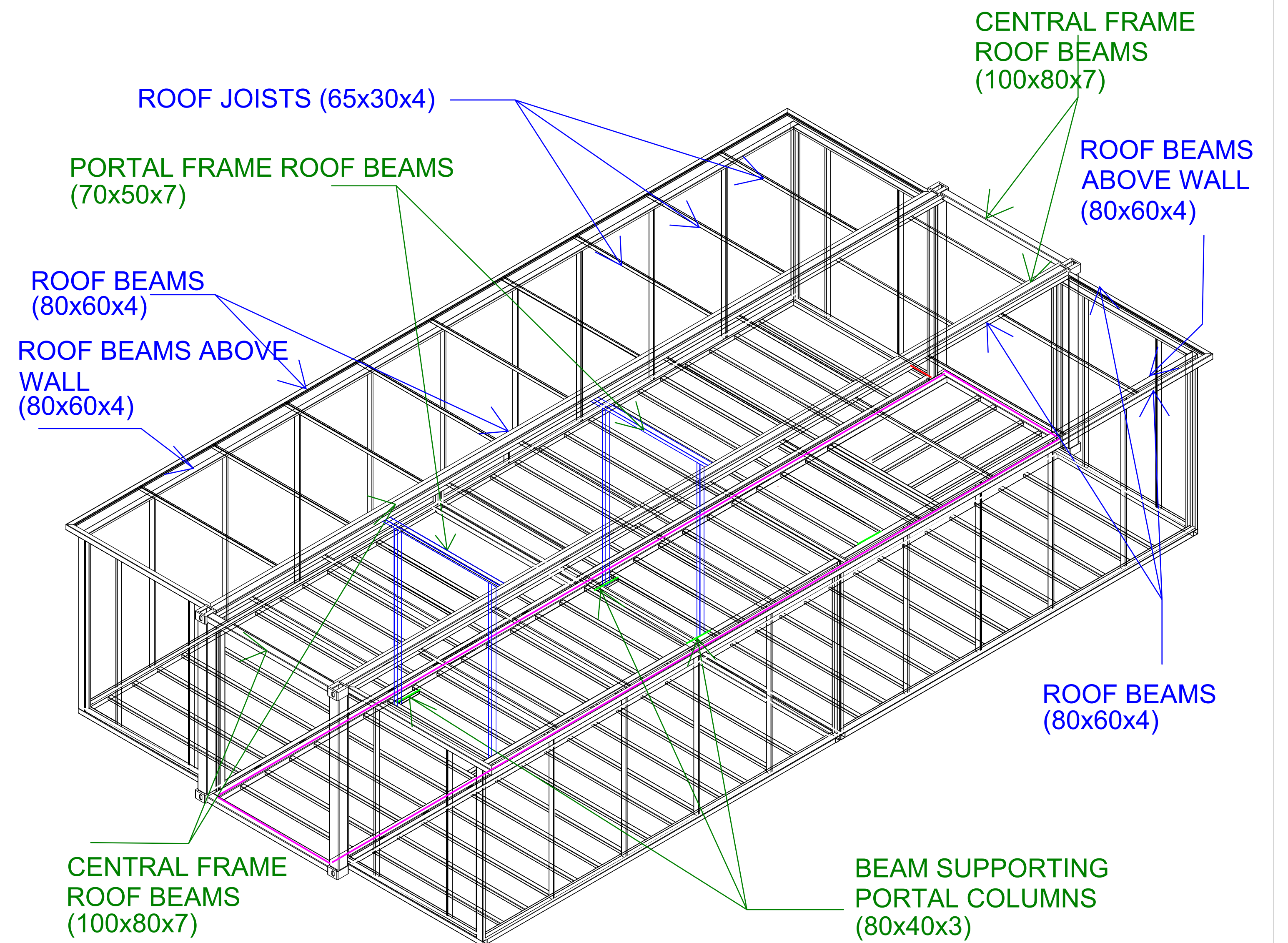
SIDE ELEVATION — DEPLOYED



FRONT / REAR ELEVATION — DEPLOYED

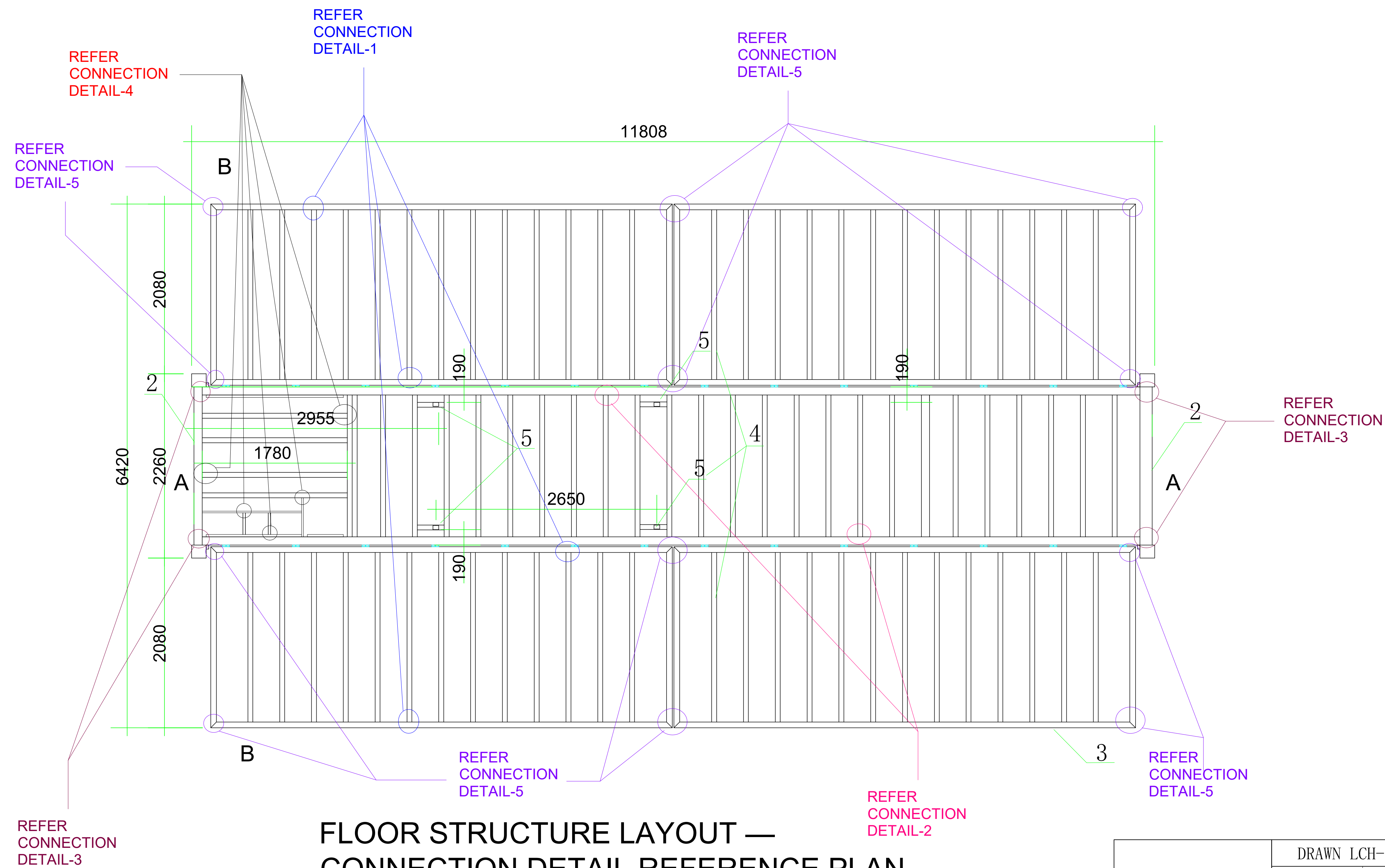
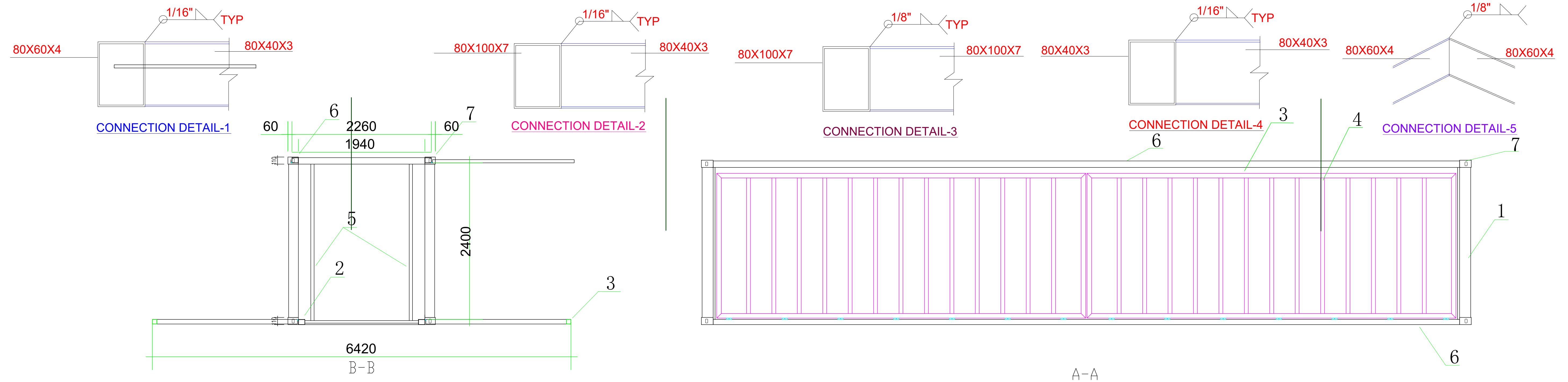


ROOF STRUCTURE PLAN



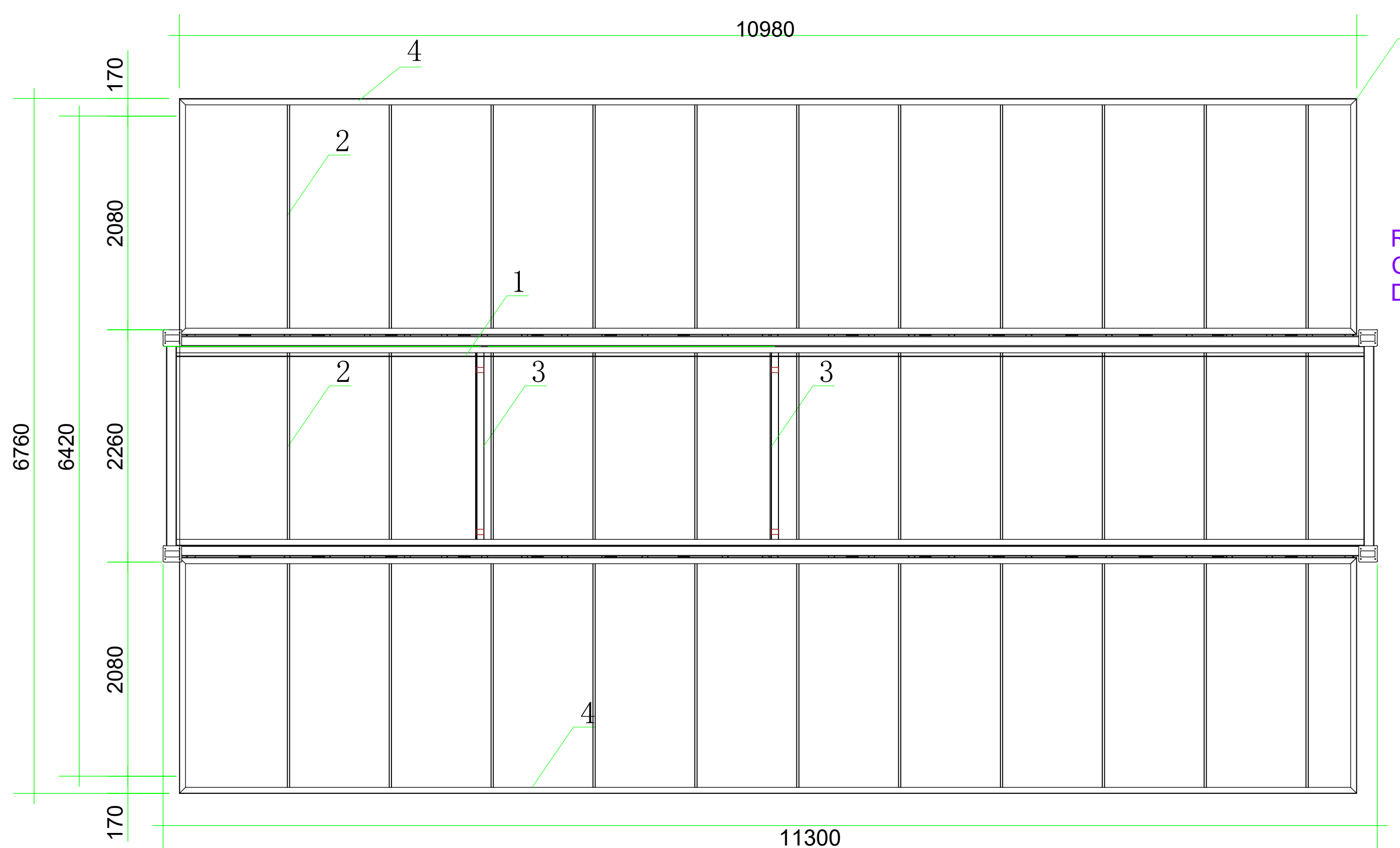
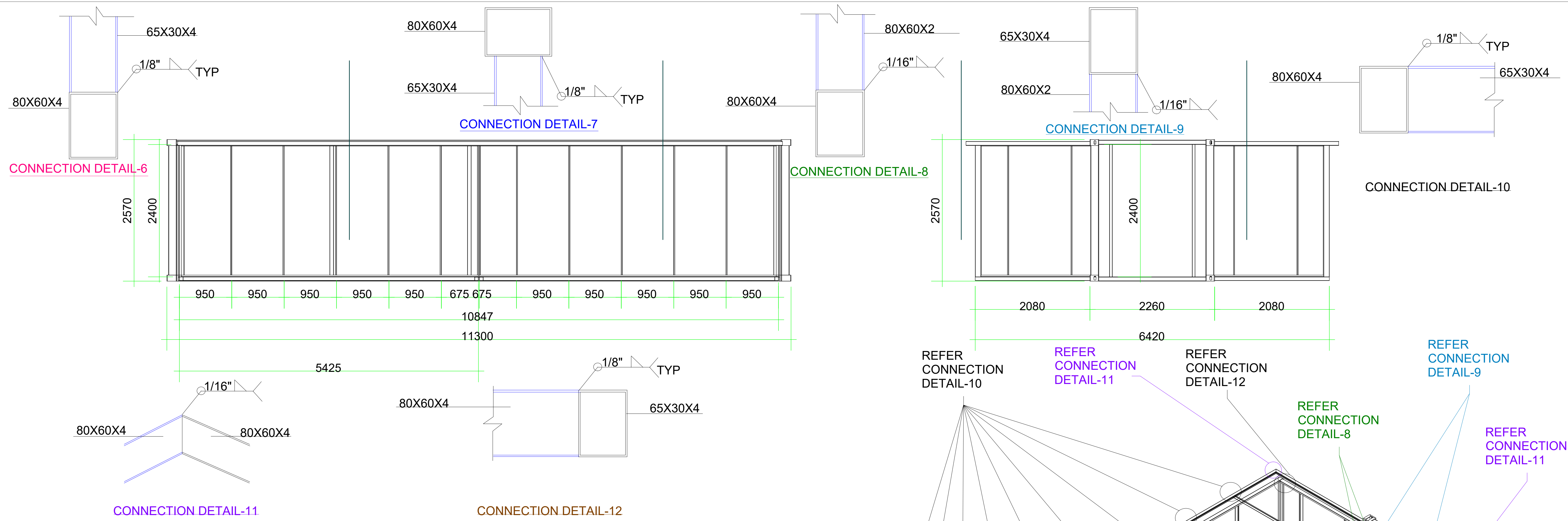
ROOF STRUCTURAL MEMBERS — SwiftBox Duo

DRAWN	LCH-01	2024. 04. 25	DATE	DRAWING NAME	ROOF STRUCTURAL MEMBERS —
	DATE				FRAMING PLAN & ISOMETRIC
	APPROVED				
	SCALE				Page of
				PROJECT NO.	

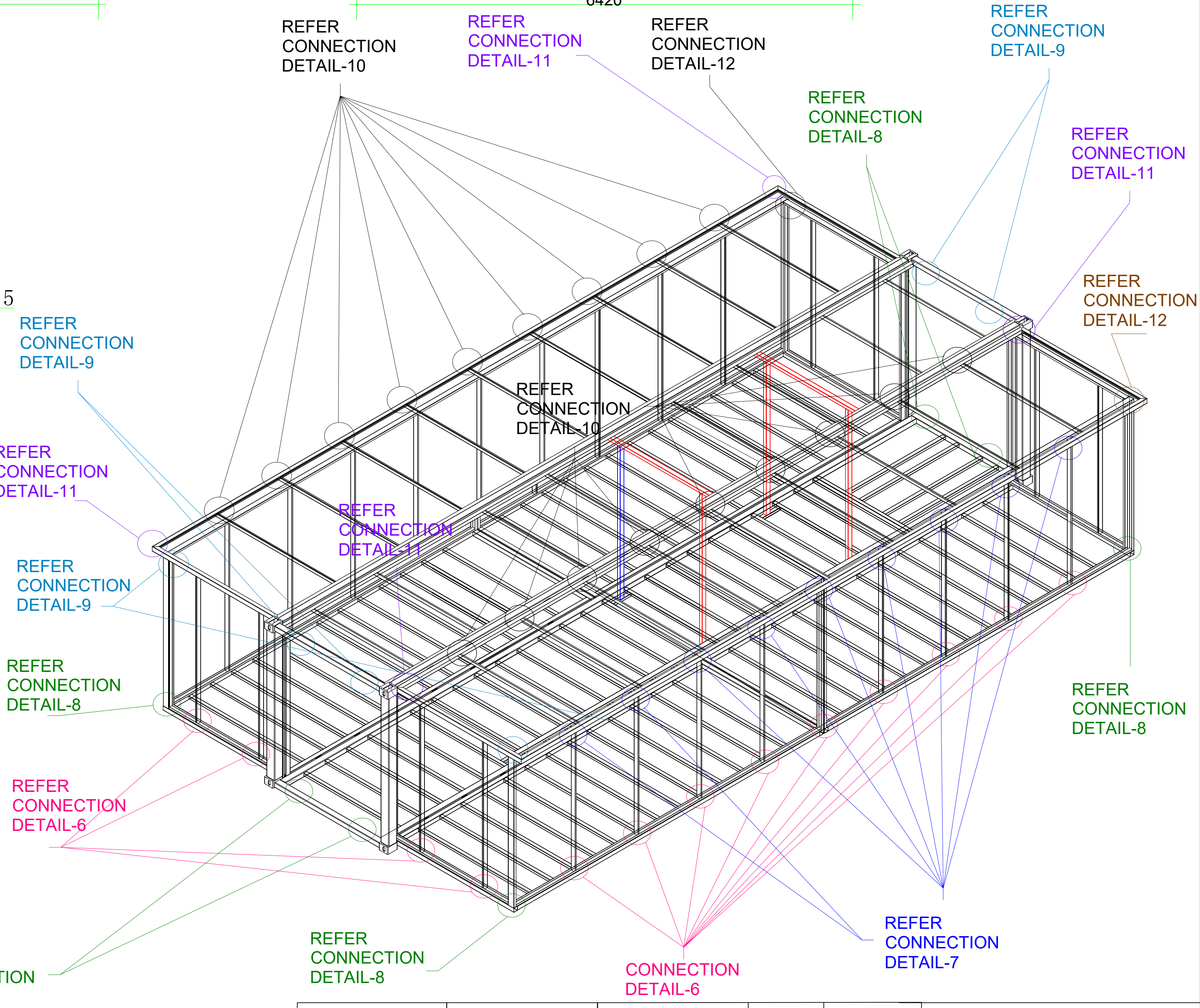


**FLOOR STRUCTURE LAYOUT —
CONNECTION DETAIL REFERENCE PLAN**

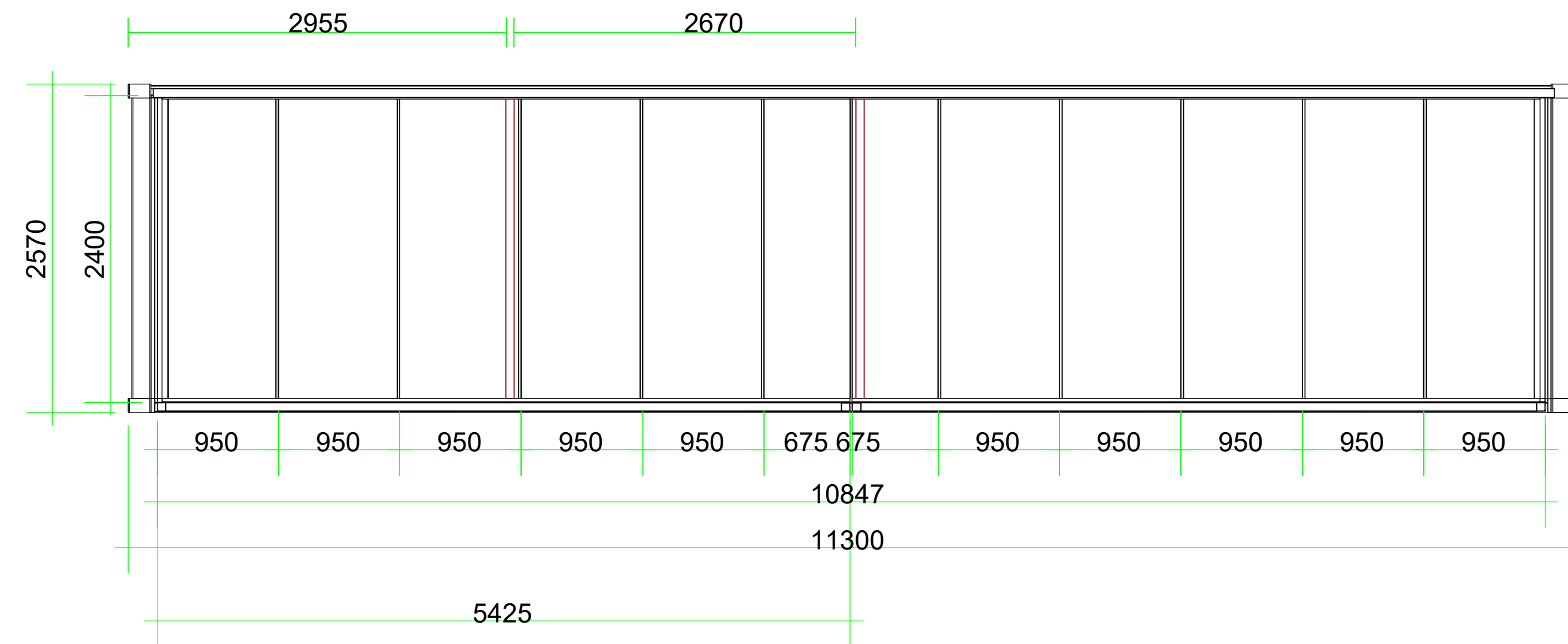
	DRAWN LCH-01	2024. 04. 25			
	DATE				
	APPROVED			DRAWING NAME	FLOOR STRUCTURE LAYOUT & CONNECTION DETAILS
	SCALE		Page of	PROJECT NO.	



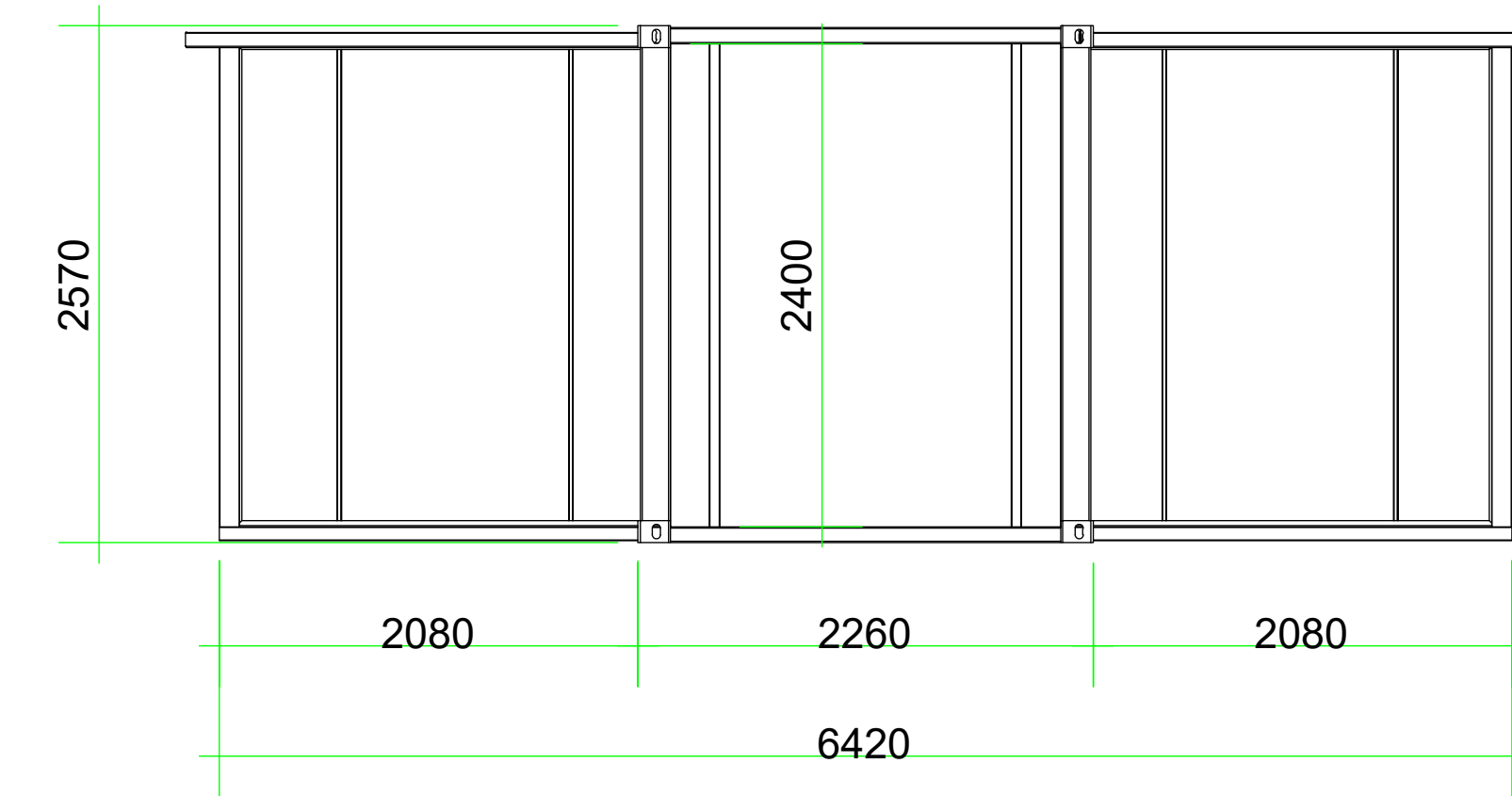
ROOF STRUCTURE PLAN



DRAWN	LCH-01	2024.04.25		
DATE			DRAWING NAME	Connection Details
APPROVED		Page of	PROJECT NO.	
SCALE				

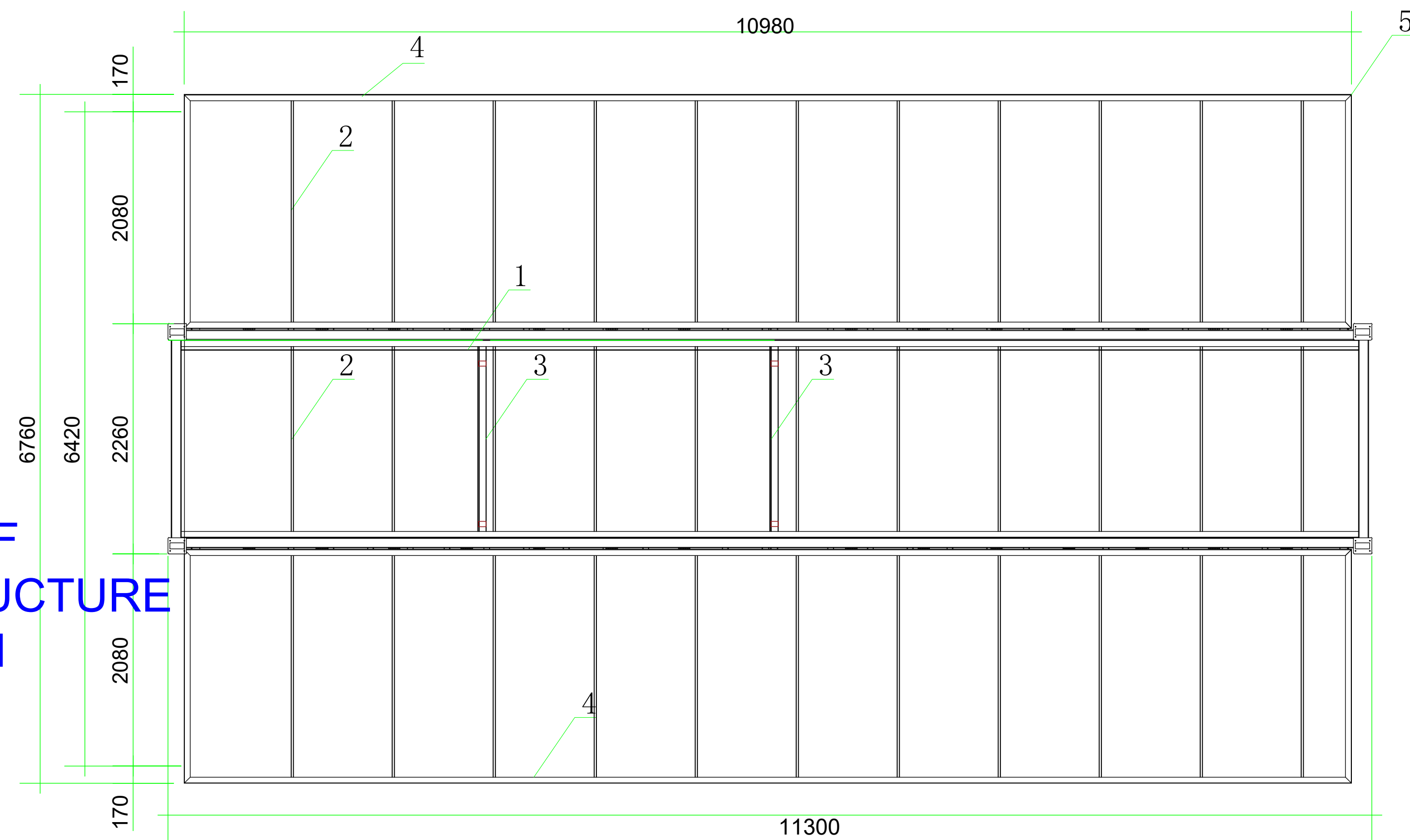


SIDE ELEVATION — DEPLOYED



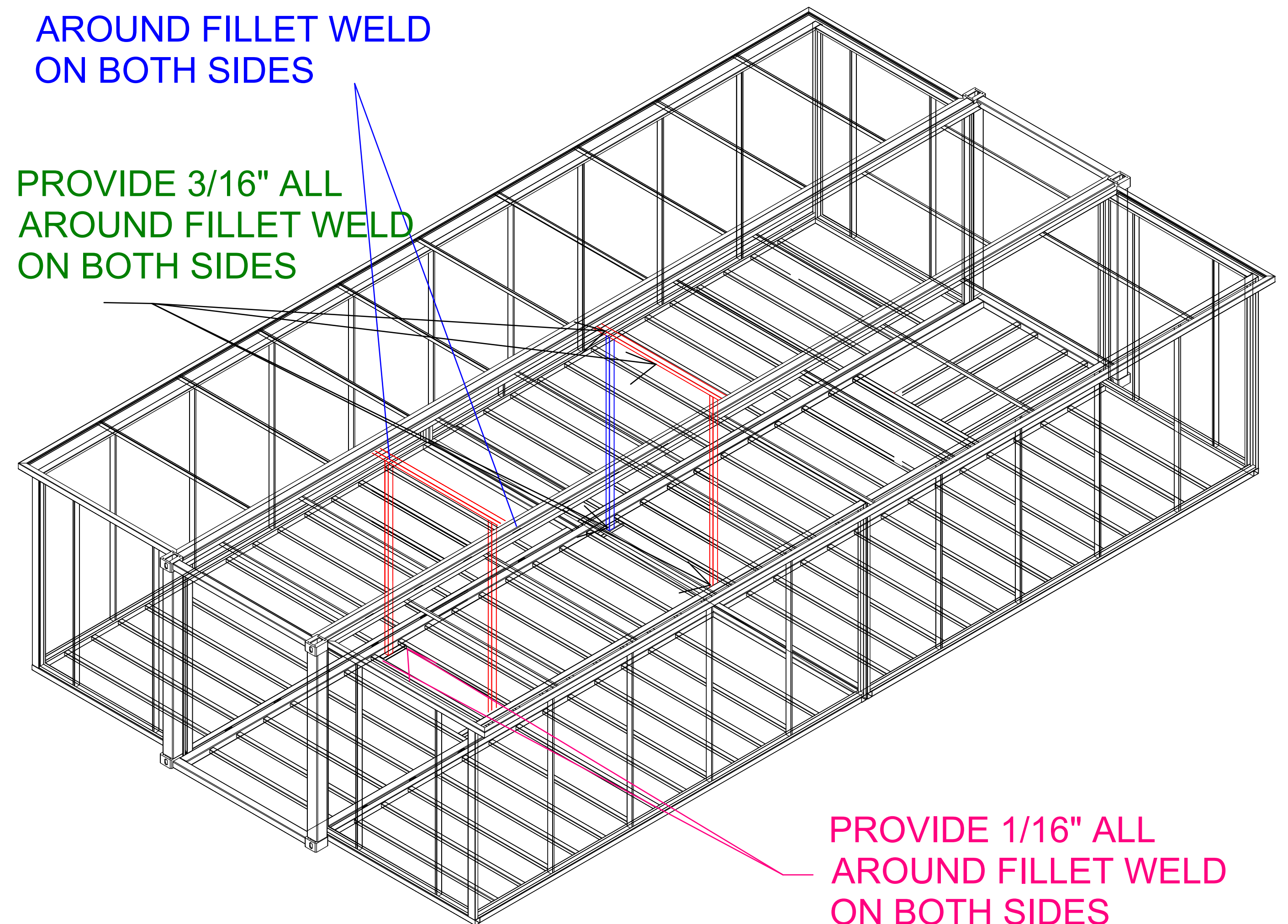
FRONT / REAR ELEVATION — DEPLOYED

ROOF
STRUCTURE
PLAN



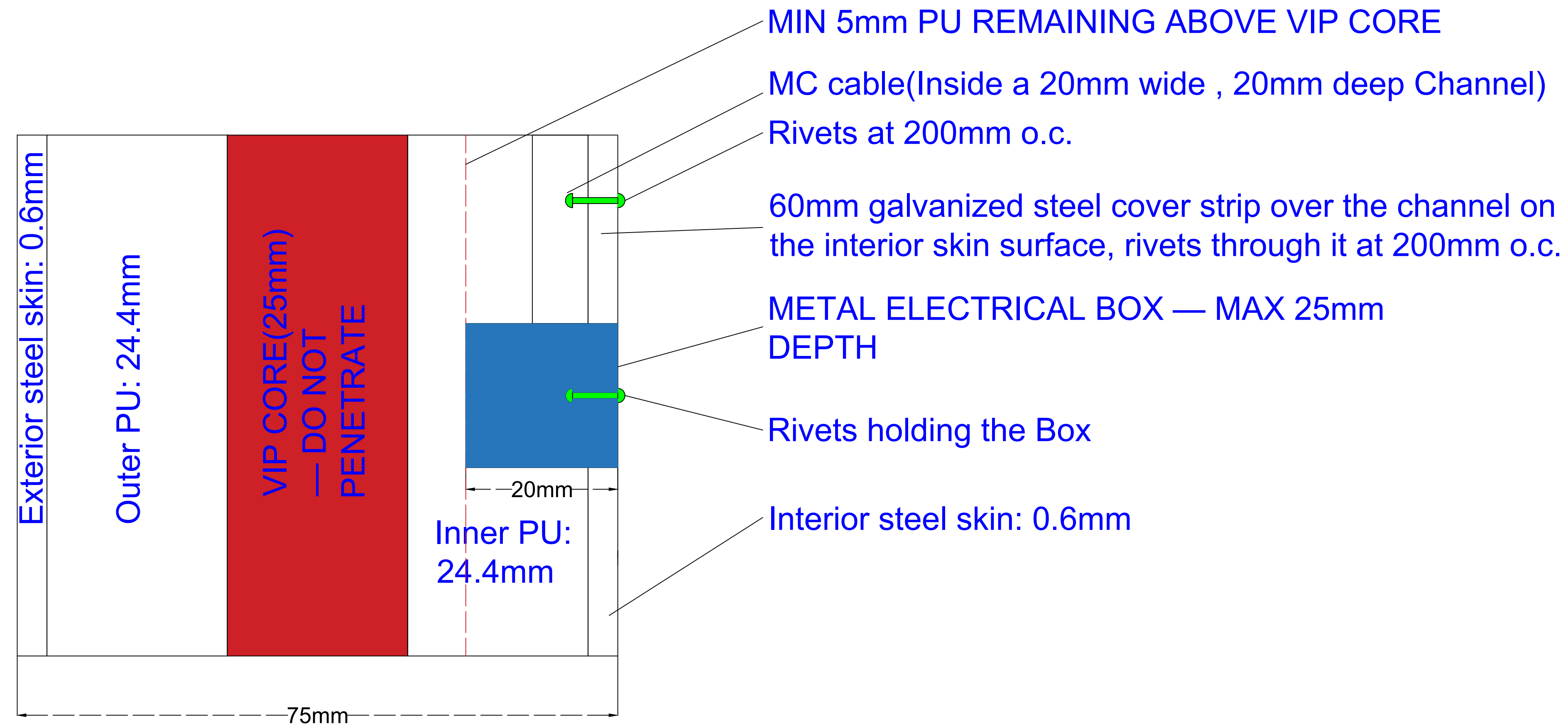
PROVIDE 1/4" ALL
AROUND FILLET WELD
ON BOTH SIDES

PROVIDE 3/16" ALL
AROUND FILLET WELD
ON BOTH SIDES

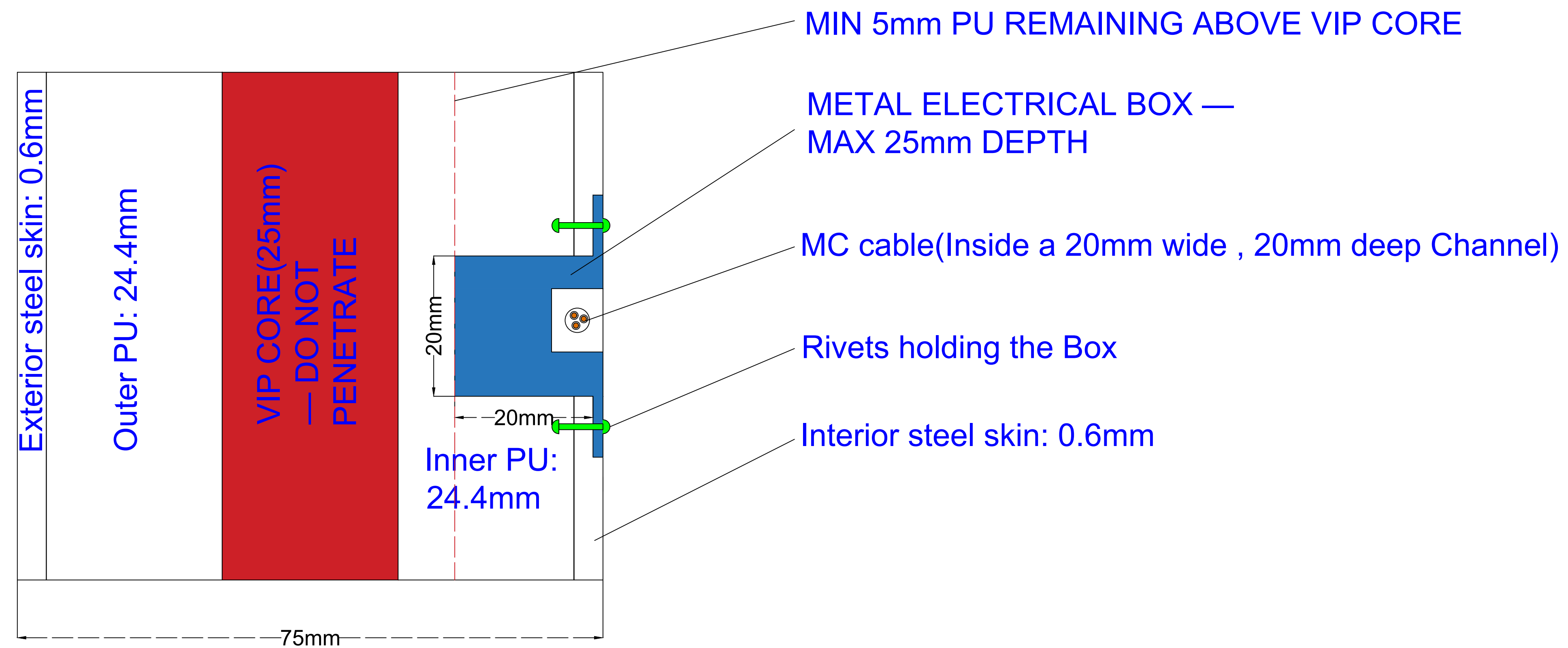


PROVIDE 1/16" ALL
AROUND FILLET WELD
ON BOTH SIDES

	DRAWN LCH-01	2024. 04. 25			
	DATE				
	APPROVED			DRAWING NAME	WELD SPECIFICATIONS — STRUCTURAL CONNECTIONS
	SCALE		Page of	PROJECT NO.	



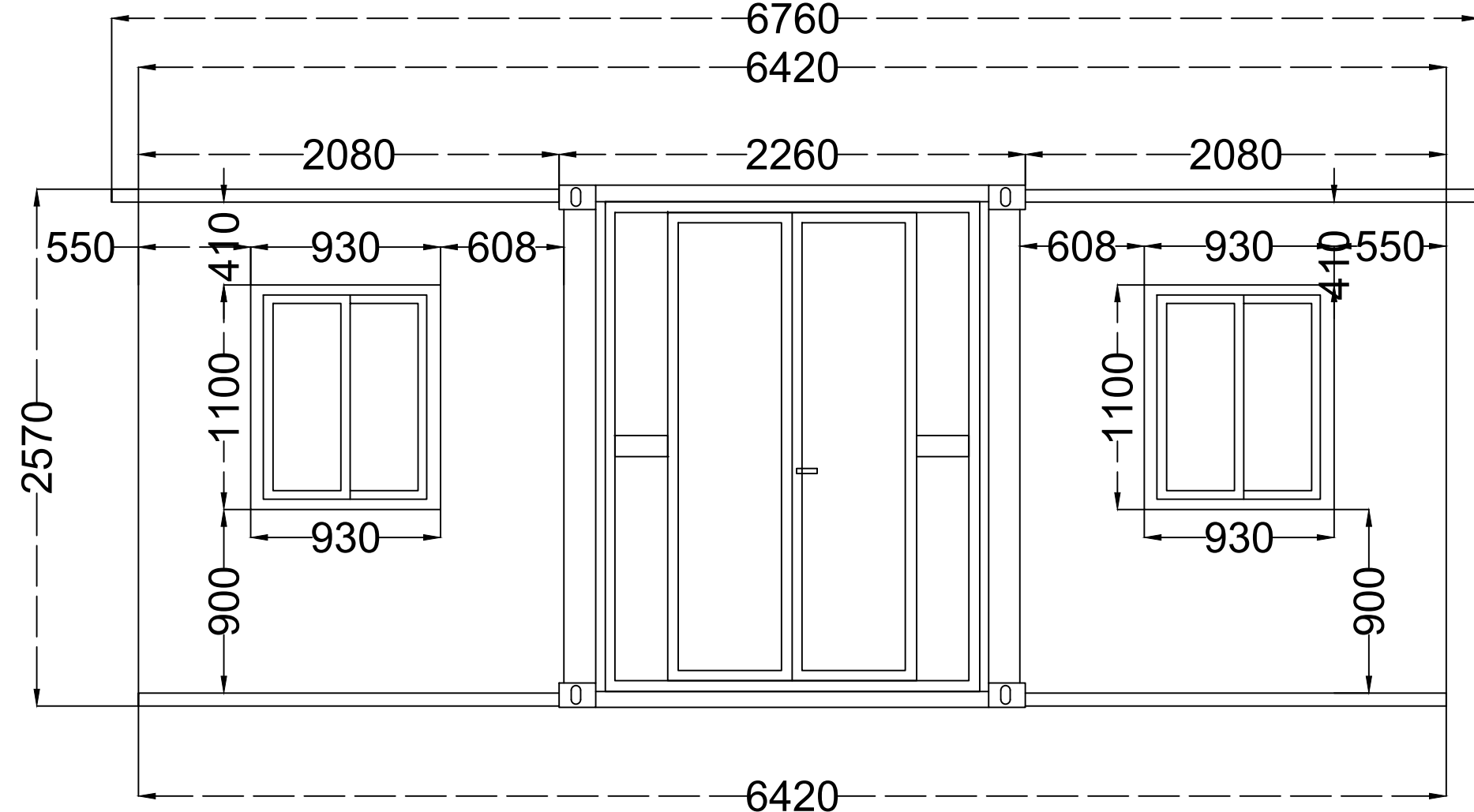
Detail 1 — Panel section-
Side Elevation View



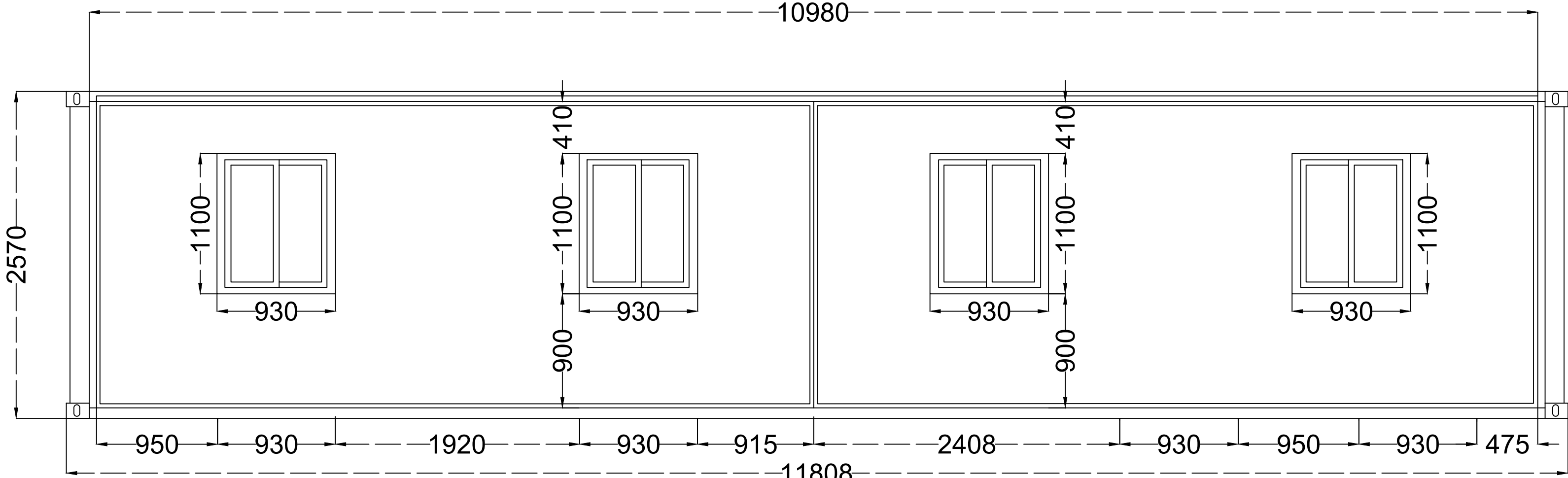
Detail 2 — Panel section-
Top Elevation View

	DRAWN LCH-01	2024. 04. 25			
	DATE				DRAWING NAME VIP PANEL ELECTRICAL ROUTING DETAILS
	APPROVED				
	SCALE		Page of		PROJECT NO.

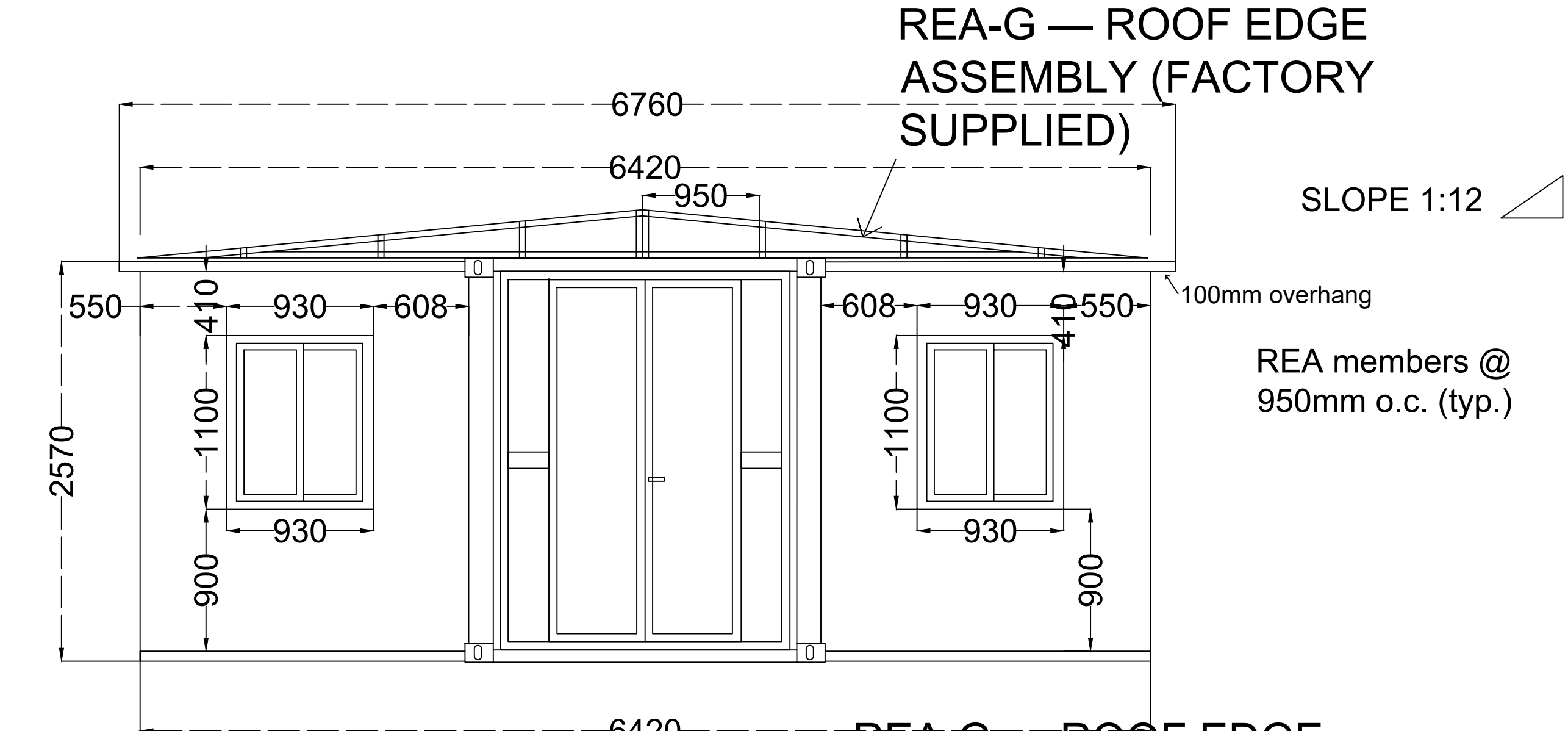
REA-G — ROOF EDGE ASSEMBLY(FACTORY SUPPLIED)



HOUSE MODULE — FRONT / BACK ELEVATION (WITHOUT REA-G)



HOUSE MODULE — LEFT / RIGHT ELEVATION (WITHOUT REA-G)

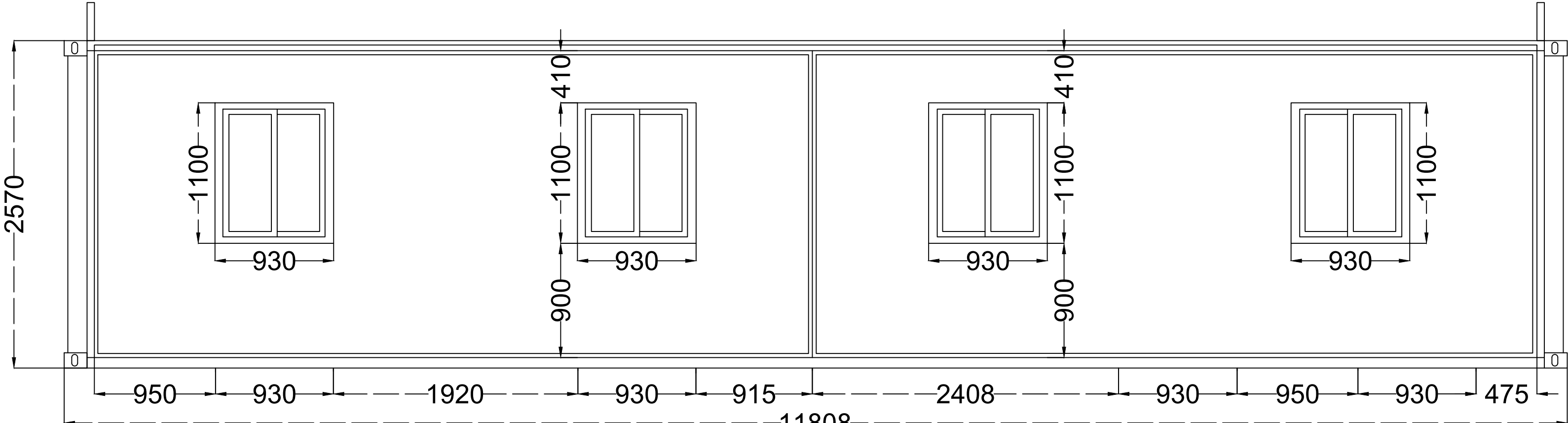


REA-G — ROOF EDGE ASSEMBLY (FACTORY SUPPLIED)

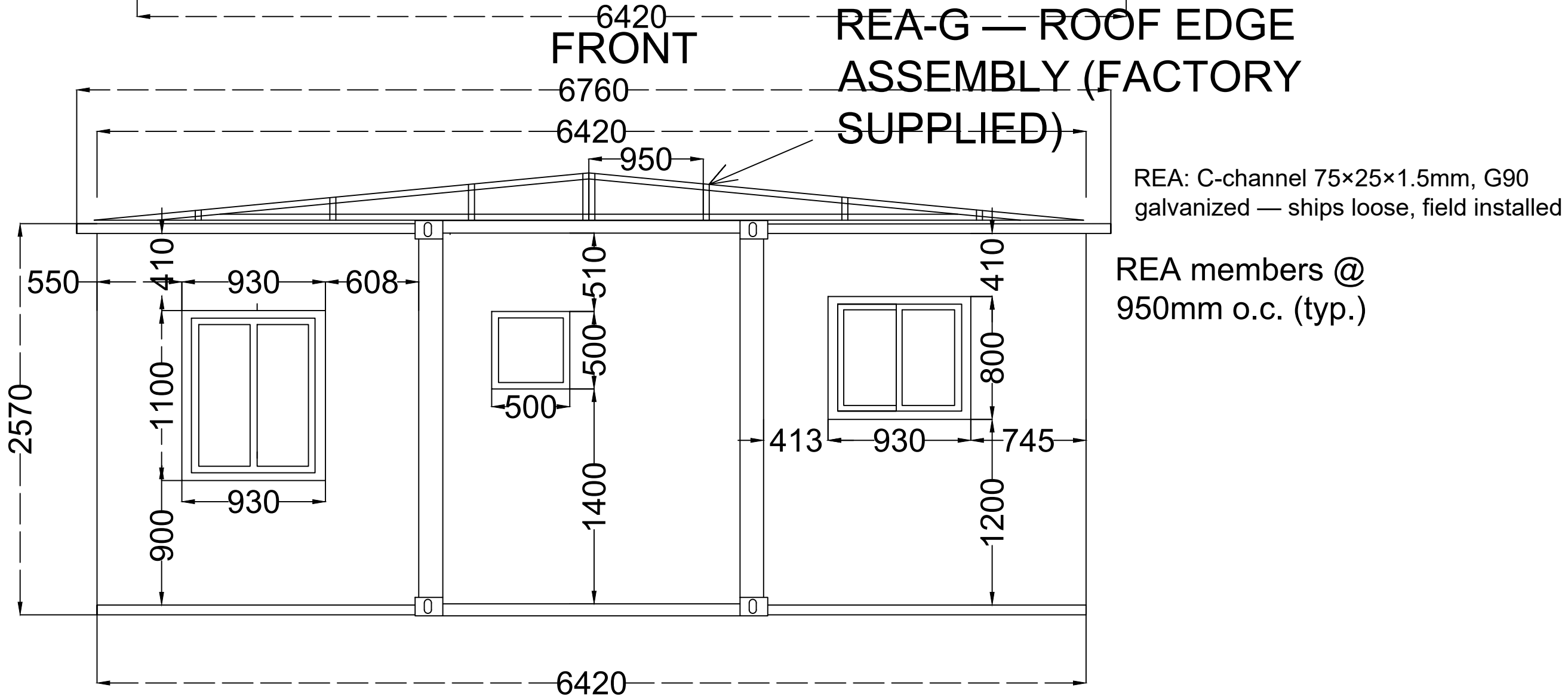
SLOPE 1:12

100mm overhang

REA members @ 950mm o.c. (typ.)



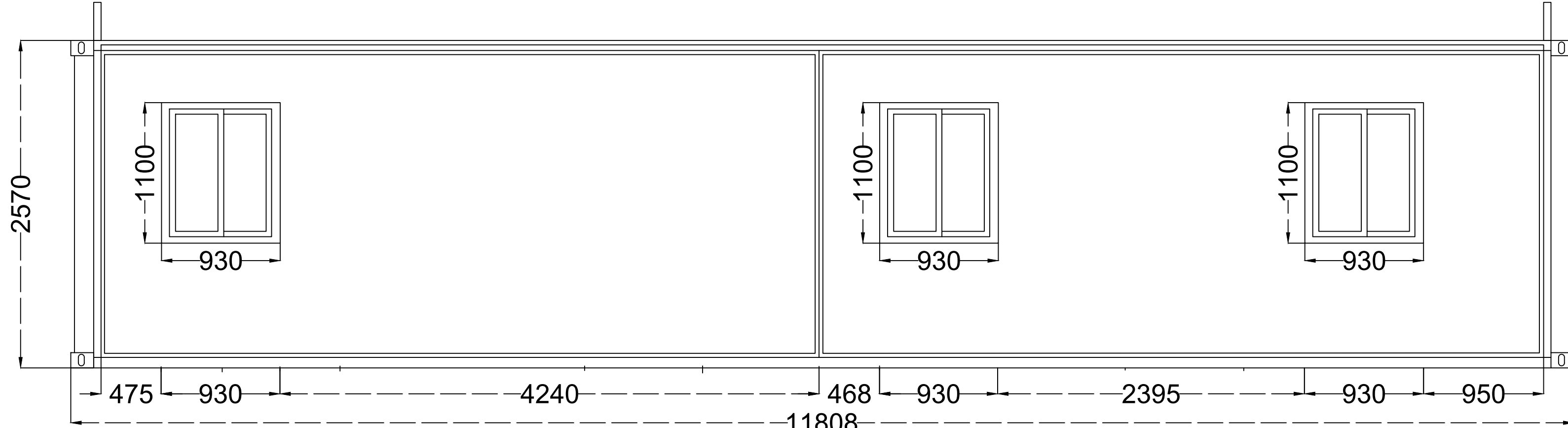
LEFT ELEVATION



REA-G — ROOF EDGE ASSEMBLY (FACTORY SUPPLIED)

REA: C-channel 75x25x1.5mm, G90 galvanized — ships loose, field installed

REA members @ 950mm o.c. (typ.)

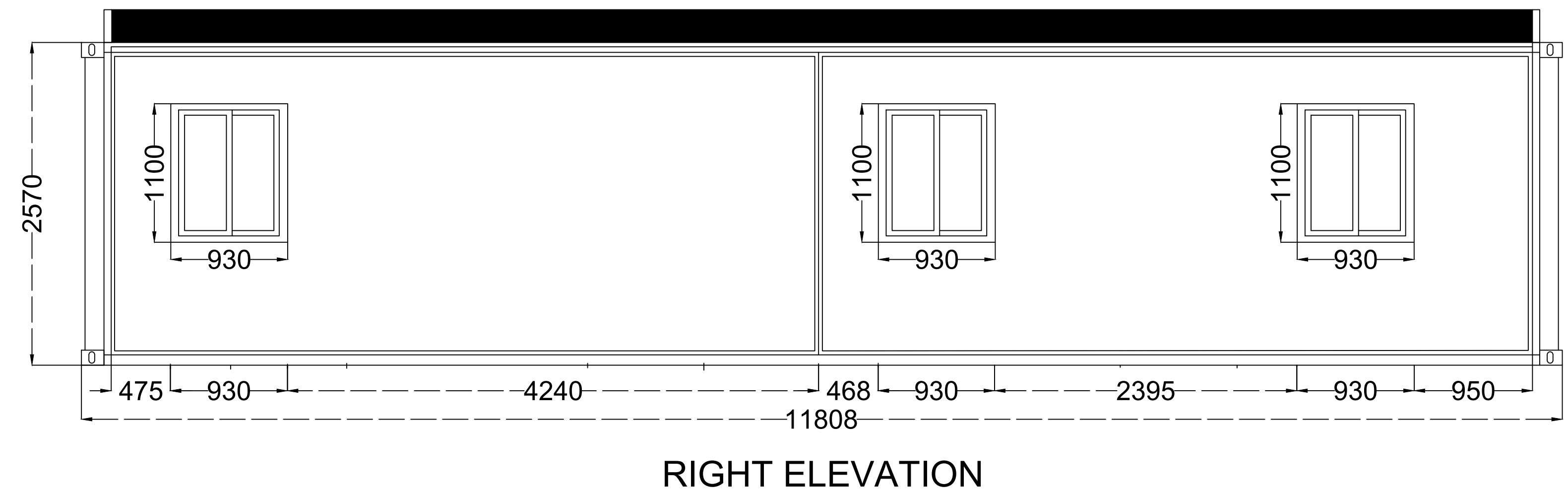
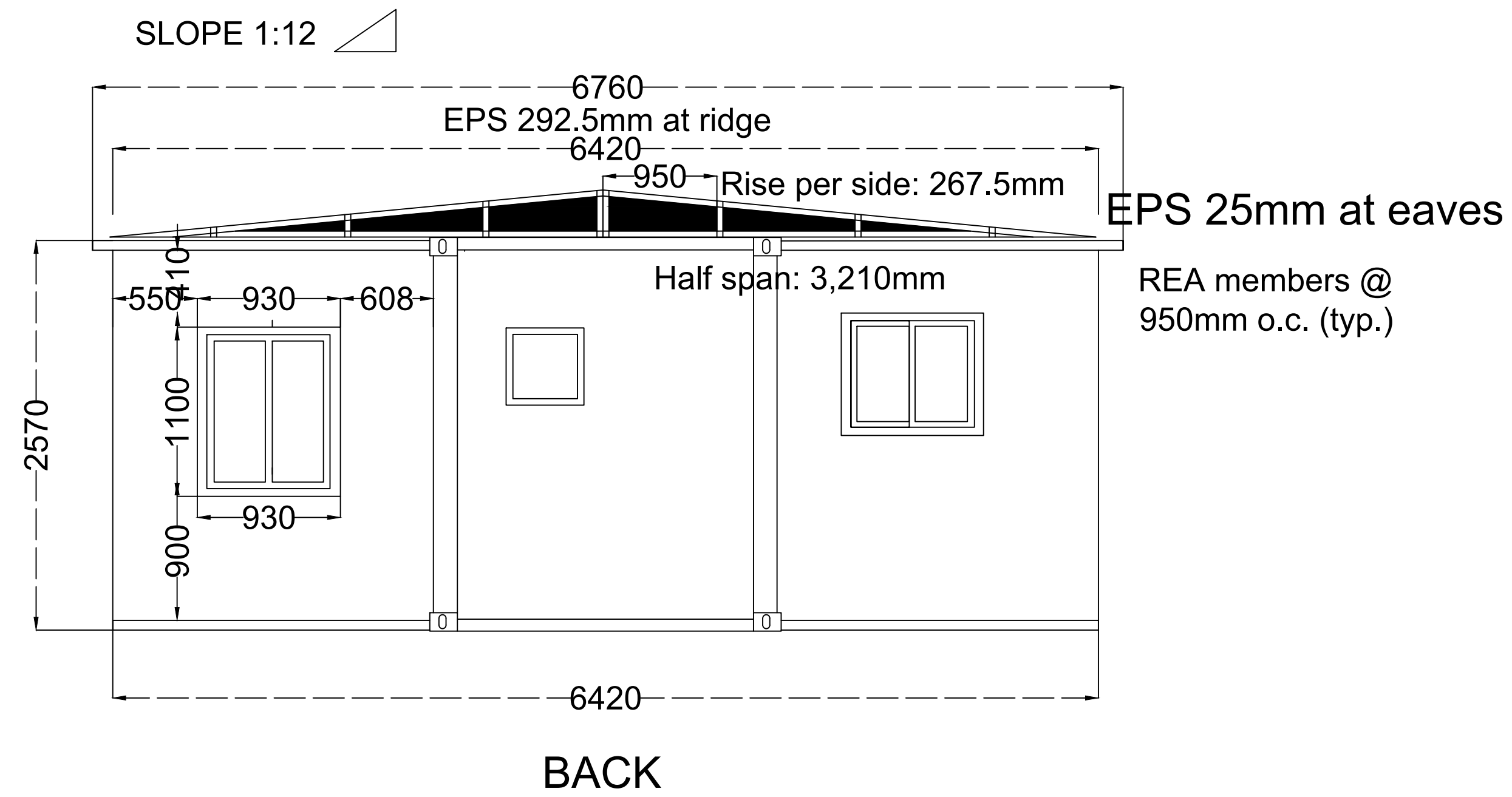
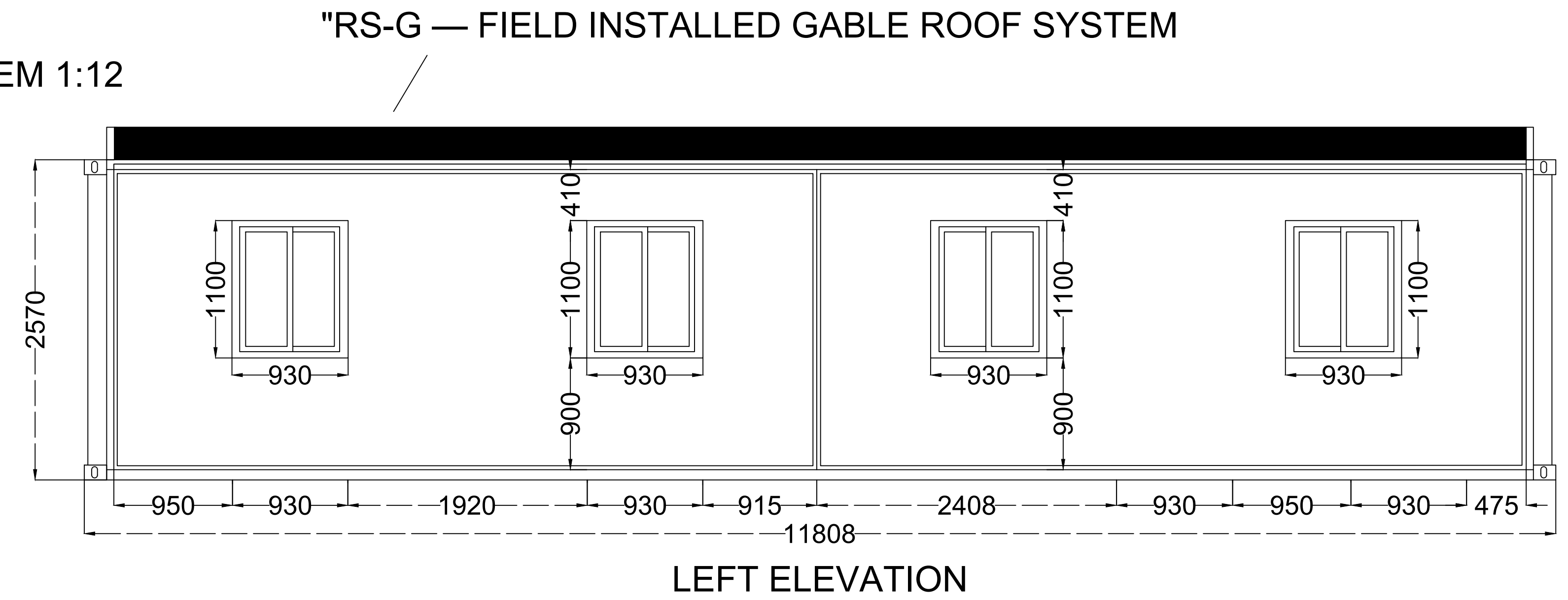
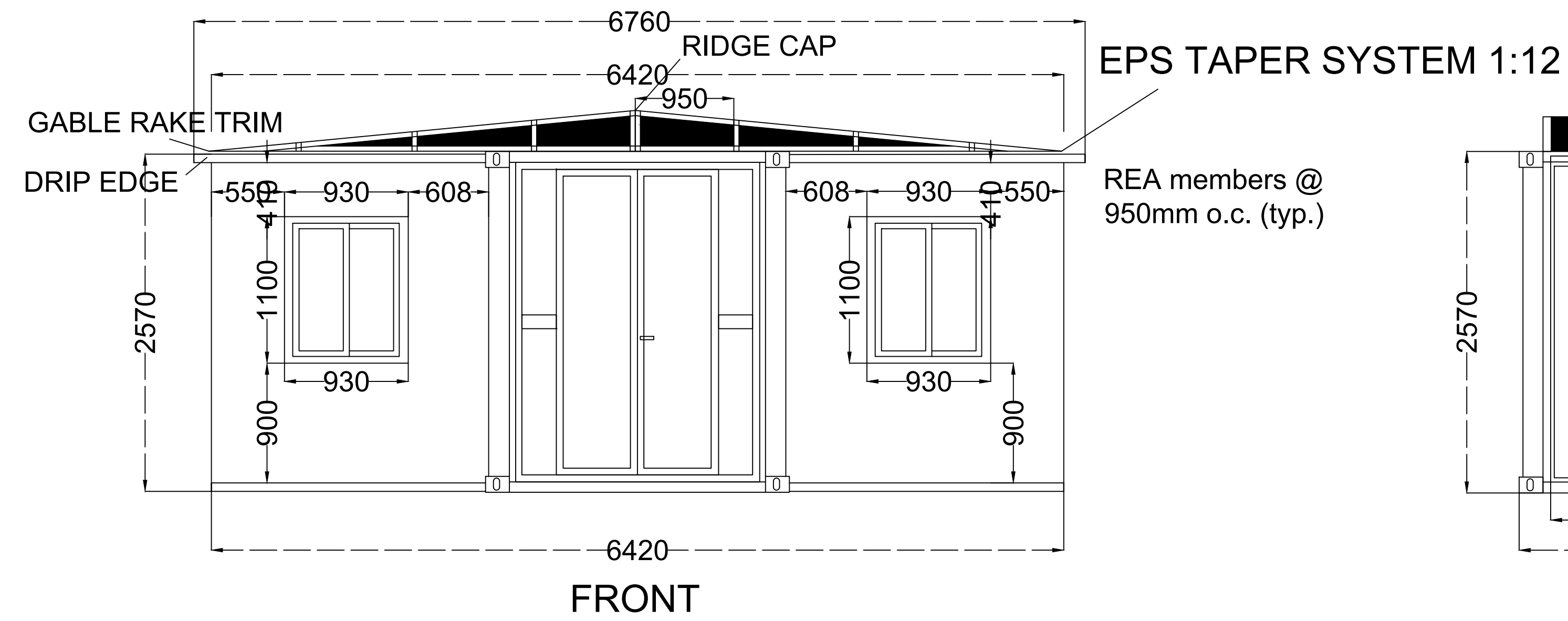


RIGHT ELEVATION

REA members ship loose with the module and are installed in the field as part of the roof covering kit. REA weight is included in the 3 psf collateral load allowance.

DRAWN	LCH-01	2024. 04. 25			
DATE				DRAWING NAME	REA-G ROOF EDGE ASSEMBLY
APPROVED				PROJECT NO.	
SCALE		Page of			

RS-G — FIELD INSTALLED GABLE ROOF SYSTEM

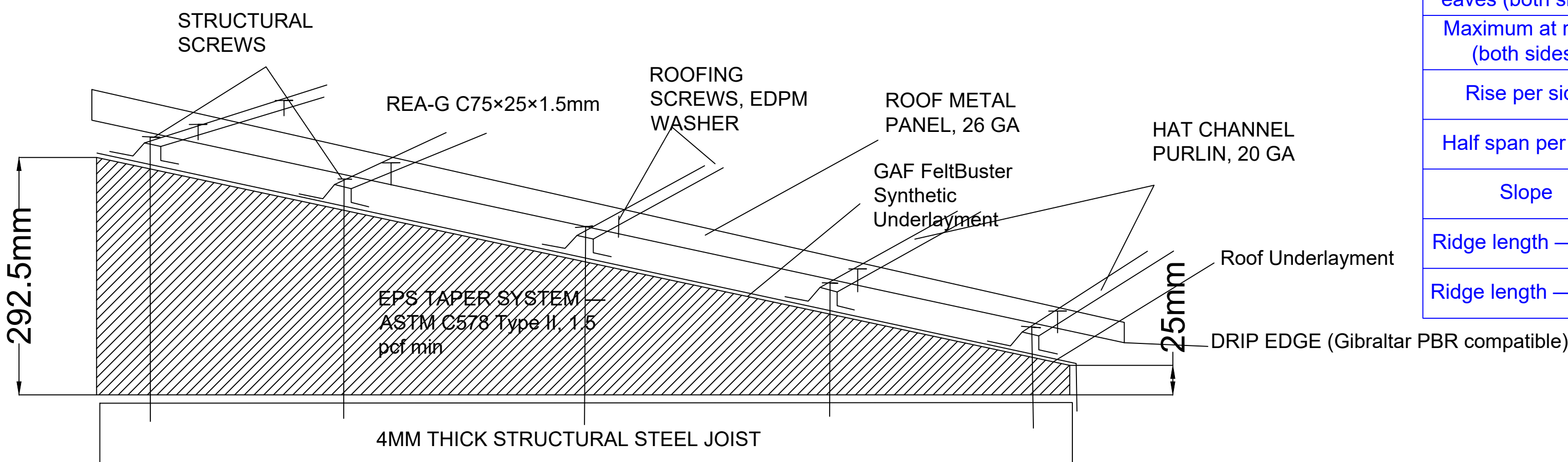


REA members ship loose with the module and are installed in the field as part of the roof covering kit. REA weight is included in the 3 psf collateral load allowance.

RS-G total dead load: 2.237 psf — within 3.0 psf collateral allowance

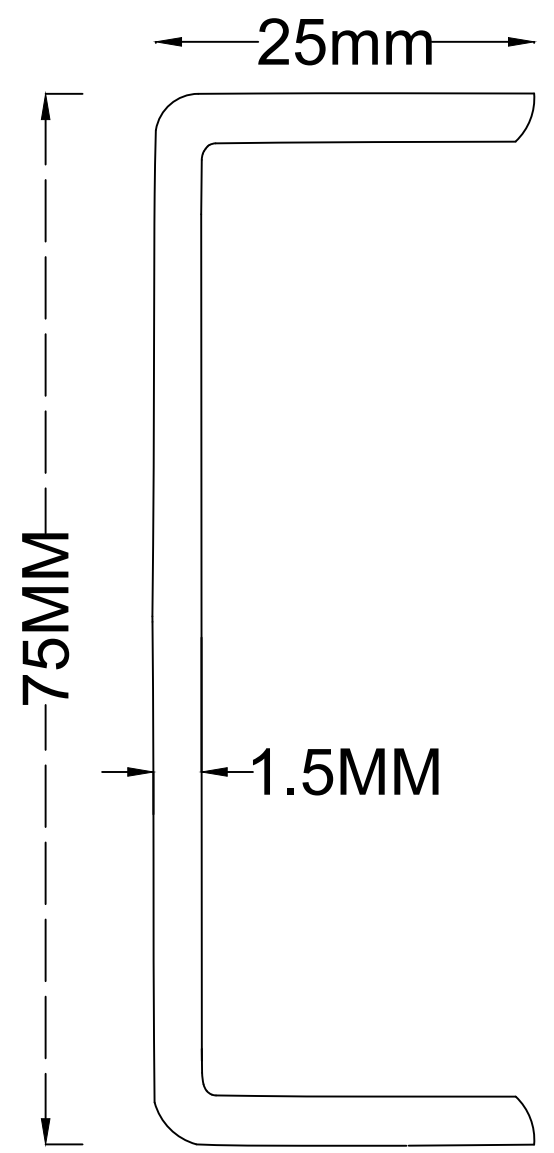
DRAWN	LCH-01	2024. 04. 25			
DATE					
APPROVED				DRAWING NAME	RS-G GABLE ROOF SYSTEM — BUILDING ELEVATIONS
SCALE		Page of		PROJECT NO.	

RS-G — FIELD INSTALLED GABLE ROOF SYSTEM

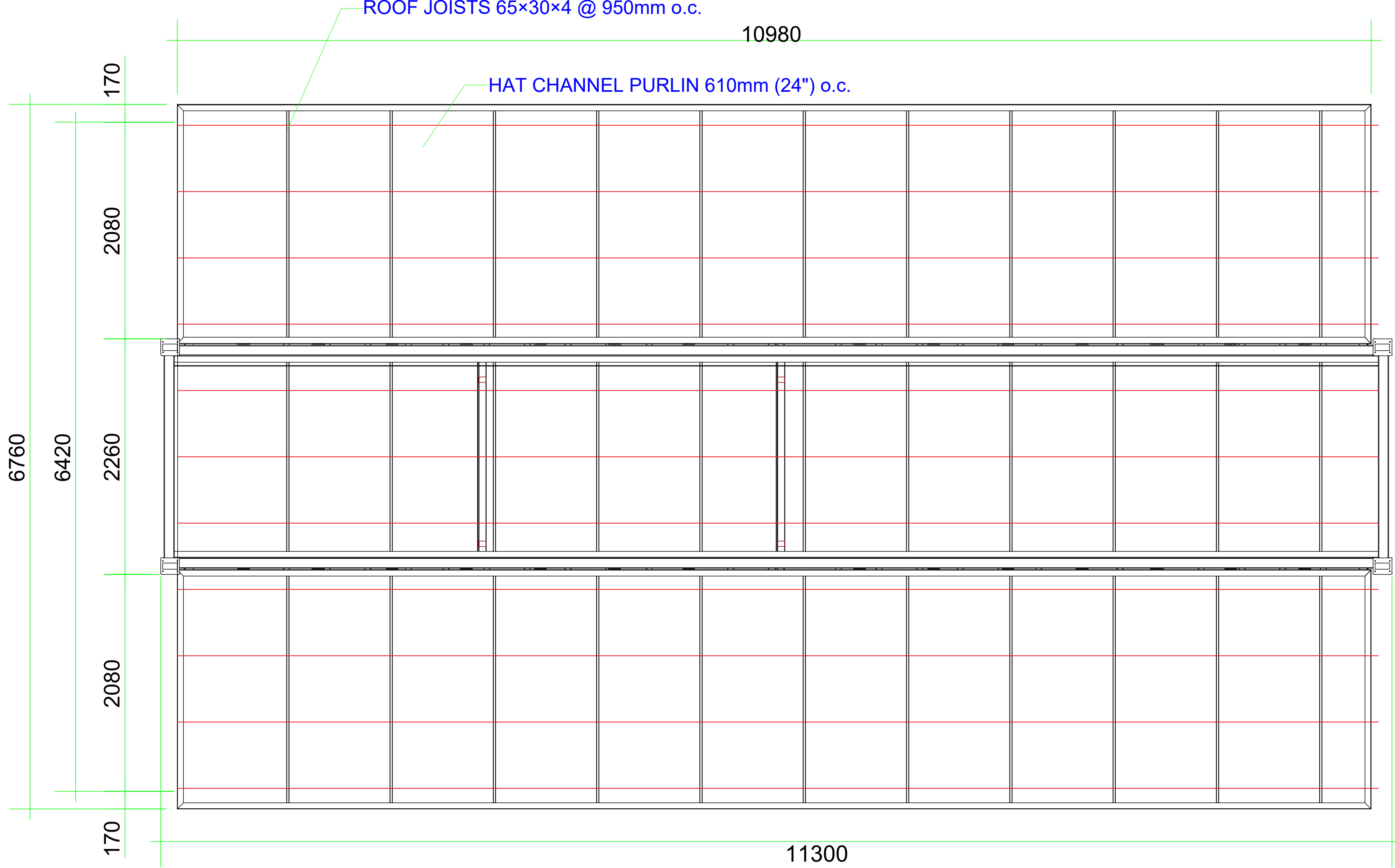


SECTION DETAIL — RS-G ROOF ASSEMBLY

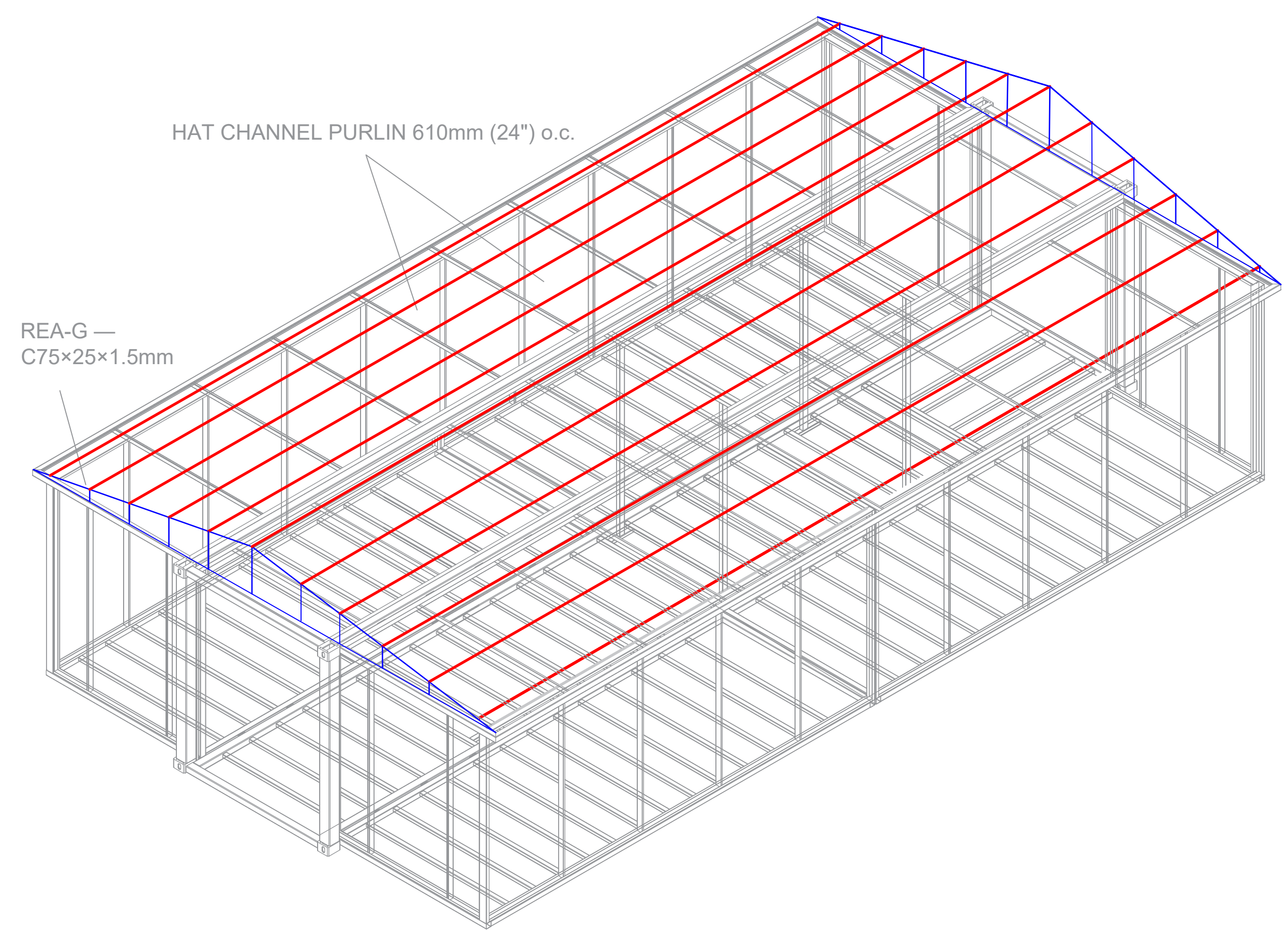
RS-G (Centered Gable)	
Dimension	Value
Feather edge at eaves (both sides)	25mm
Maximum at ridge (both sides)	292.5mm
Rise per side	267.5mm
Half span per side	3,210mm
Slope	1:12 each side
Ridge length — Duo	10,980mm
Ridge length — Solo	5,545mm



REA C-channel specification	
Property	Value
Type	Cold-formed C-channel
Web	75mm
Flanges	25mm
Thickness	1.5mm
Finish	Galvanized G90 minimum
Attachment	Butyl sealing tape between REA and roof deck, structural screws through tape into joists
Fastener	1/4" min diameter, self-drilling tapping, ICC-ES evaluated, ≥400 lbf ASD withdrawal into 4mm steel
Spacing	One screw per REA/joist intersection, max 950mm o.c.
Dead load	0.196 psf (included in 3.0 psf collateral allowance)



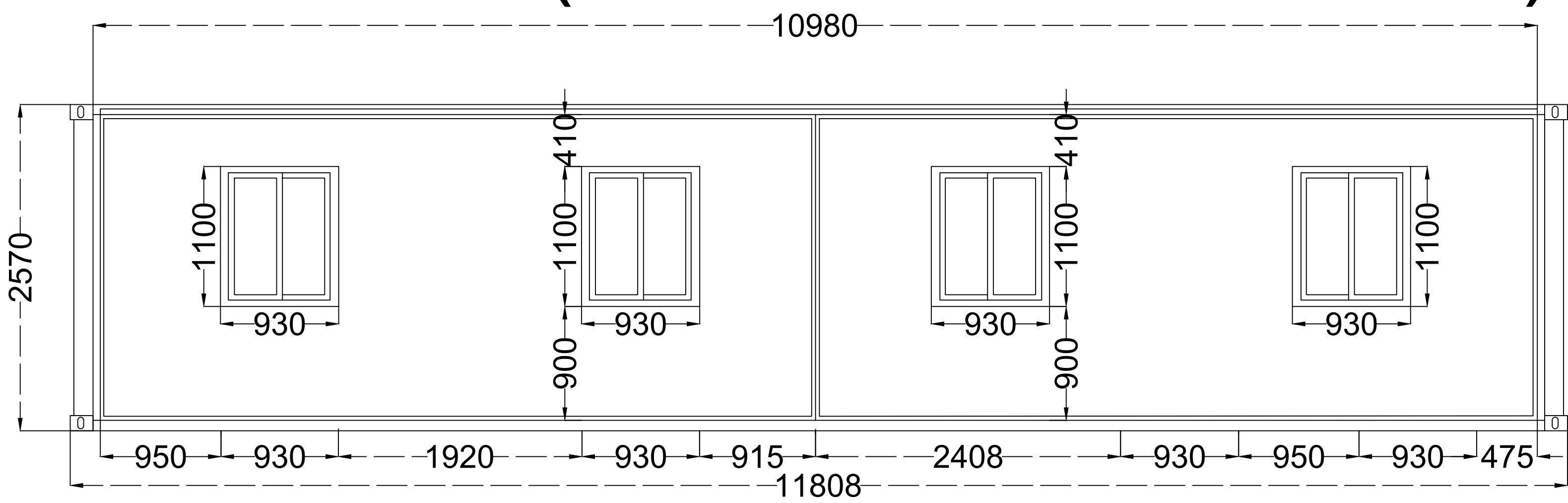
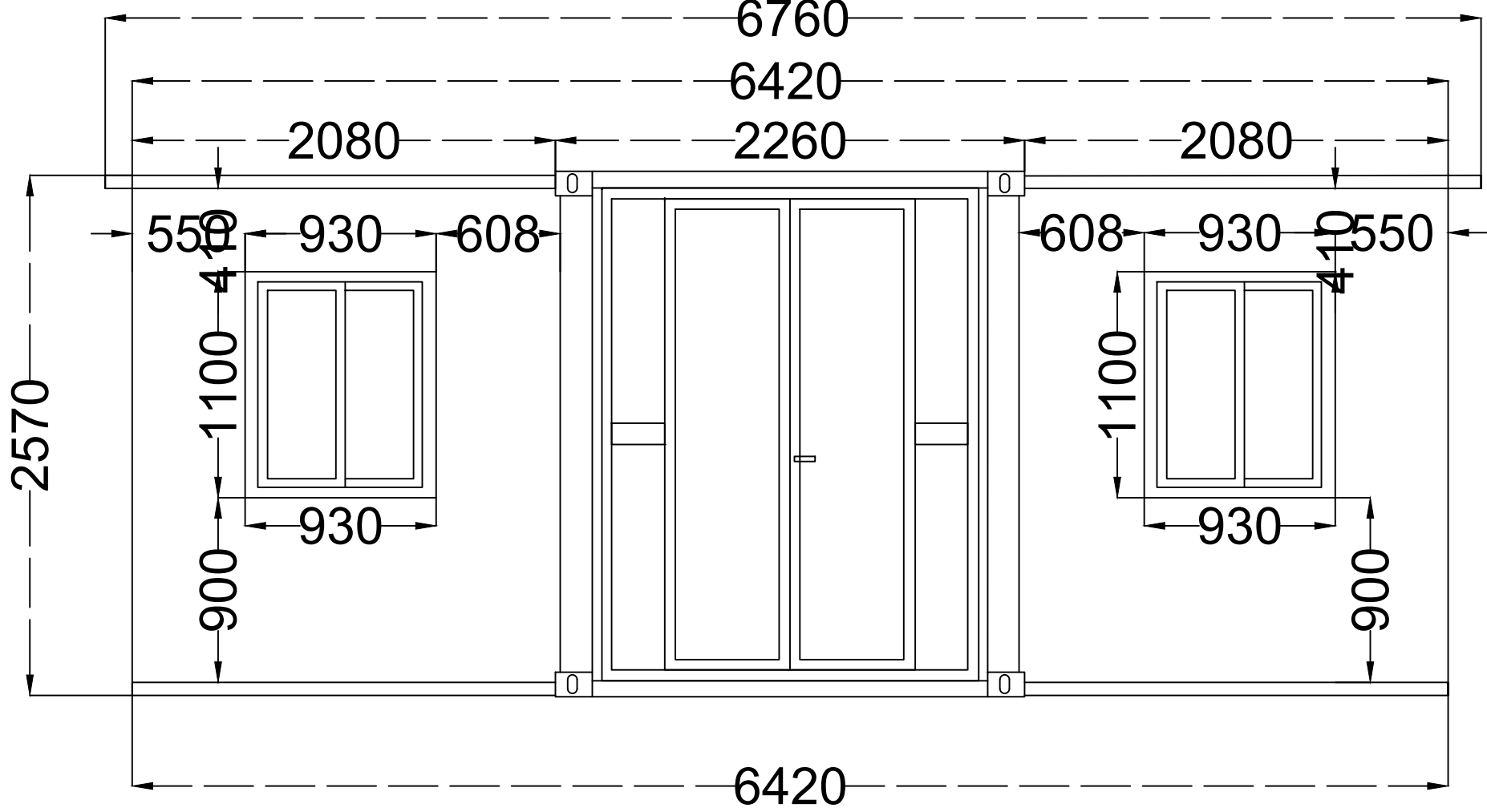
RS-G ROOF DECK PLAN — HAT CHANNEL INSTALLATION MAP



RS-G total dead load: 2.237 psf — within 3.0 psf collateral allowance

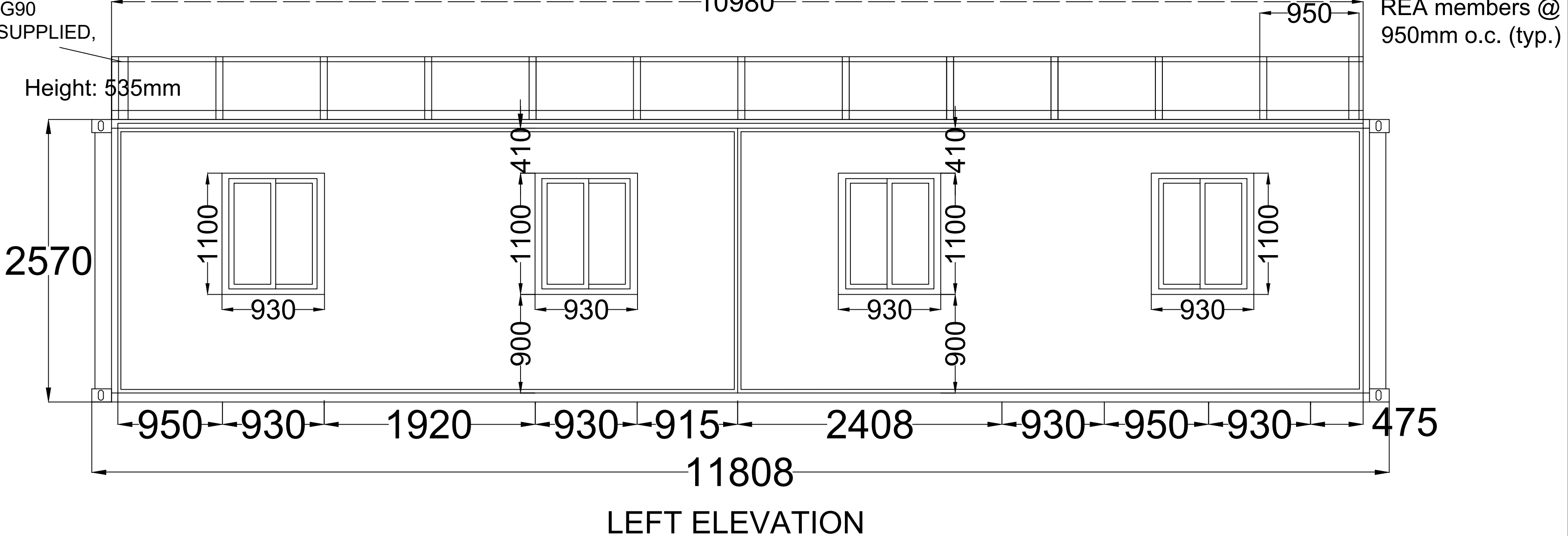
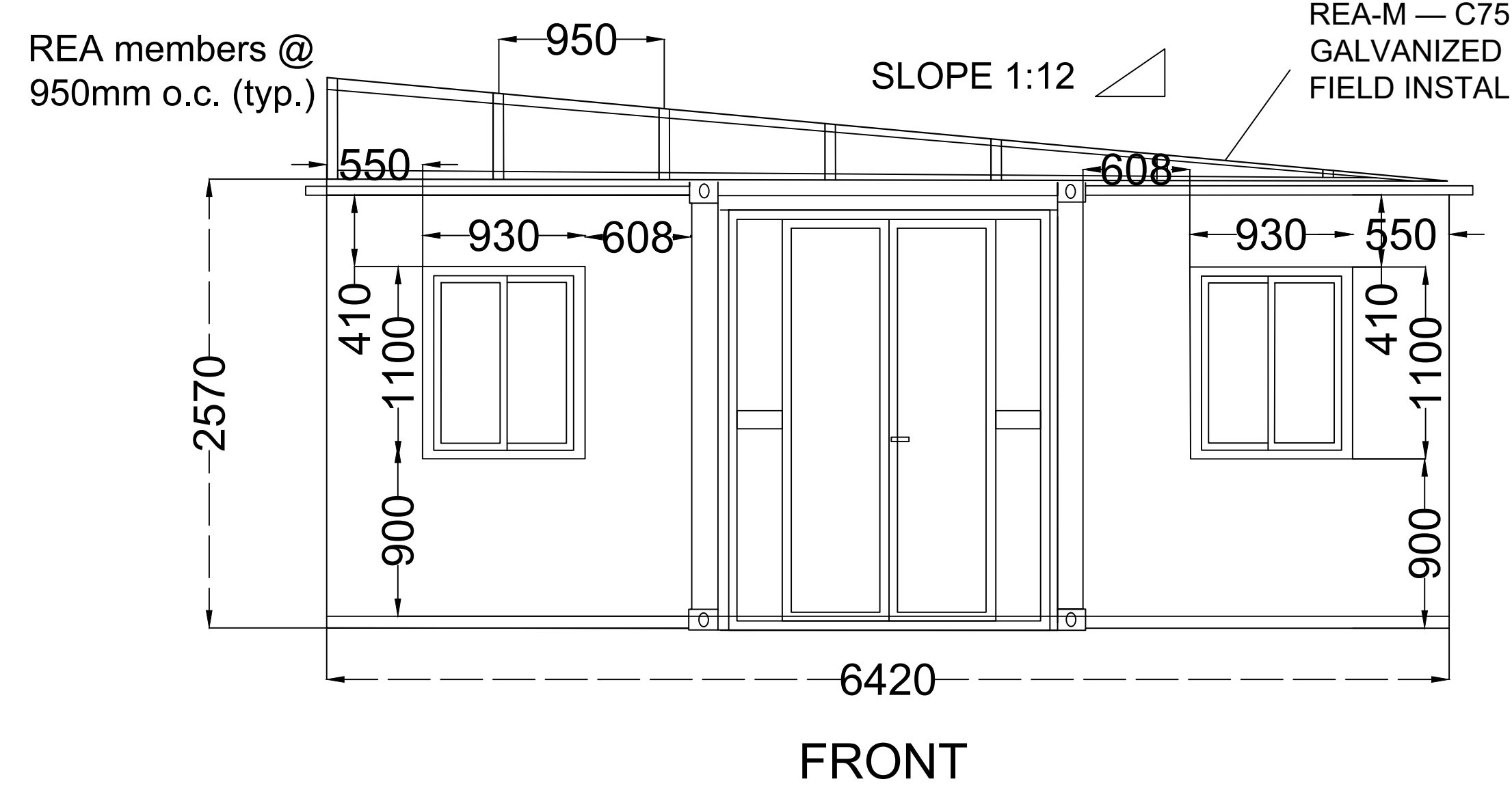
DRAWN	LCH-01	2024. 04. 25		DRAWING NAME	RS-G & REA-G — ROOF ASSEMBLY DETAILS & SPECIFICATIONS
DATE				PROJECT NO.	
APPROVED			Page of		
SCALE					

REA-M — ROOF EDGE ASSEMBLY (FACTORY SUPPLIED)



HOUSE MODULE — FRONT / BACK ELEVATION (WITHOUT RS-M)

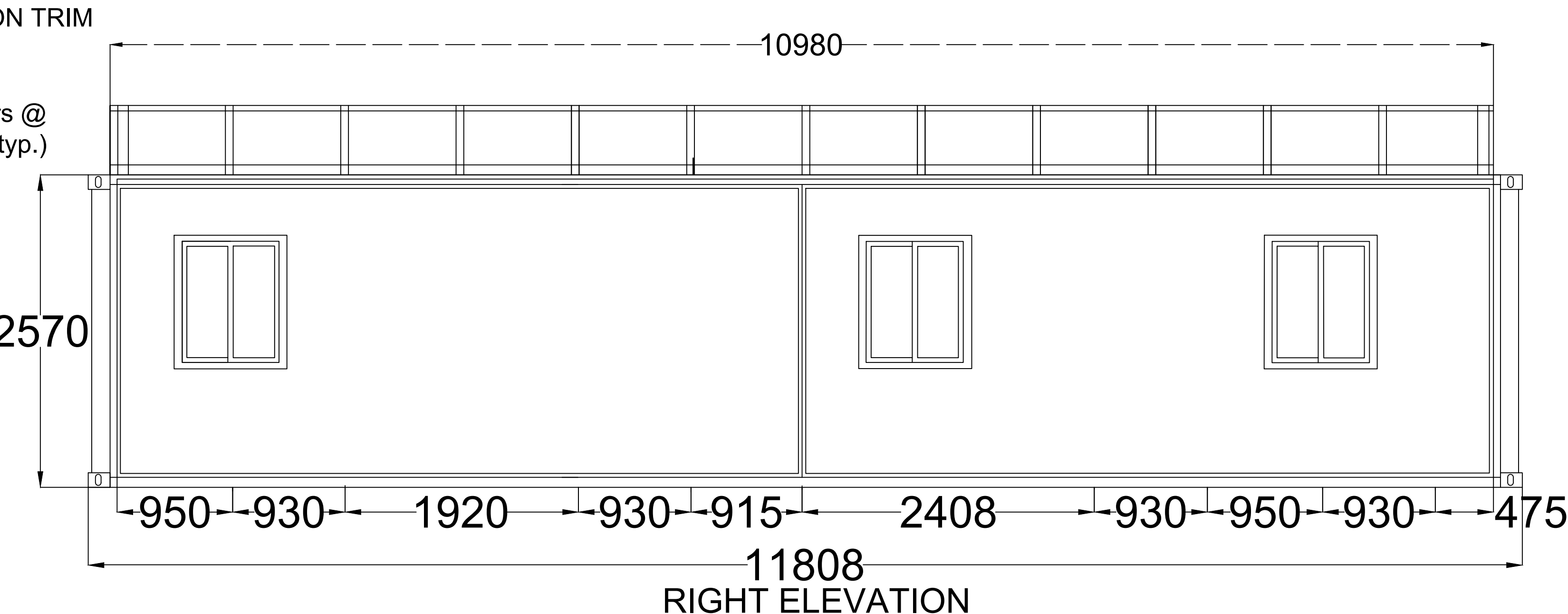
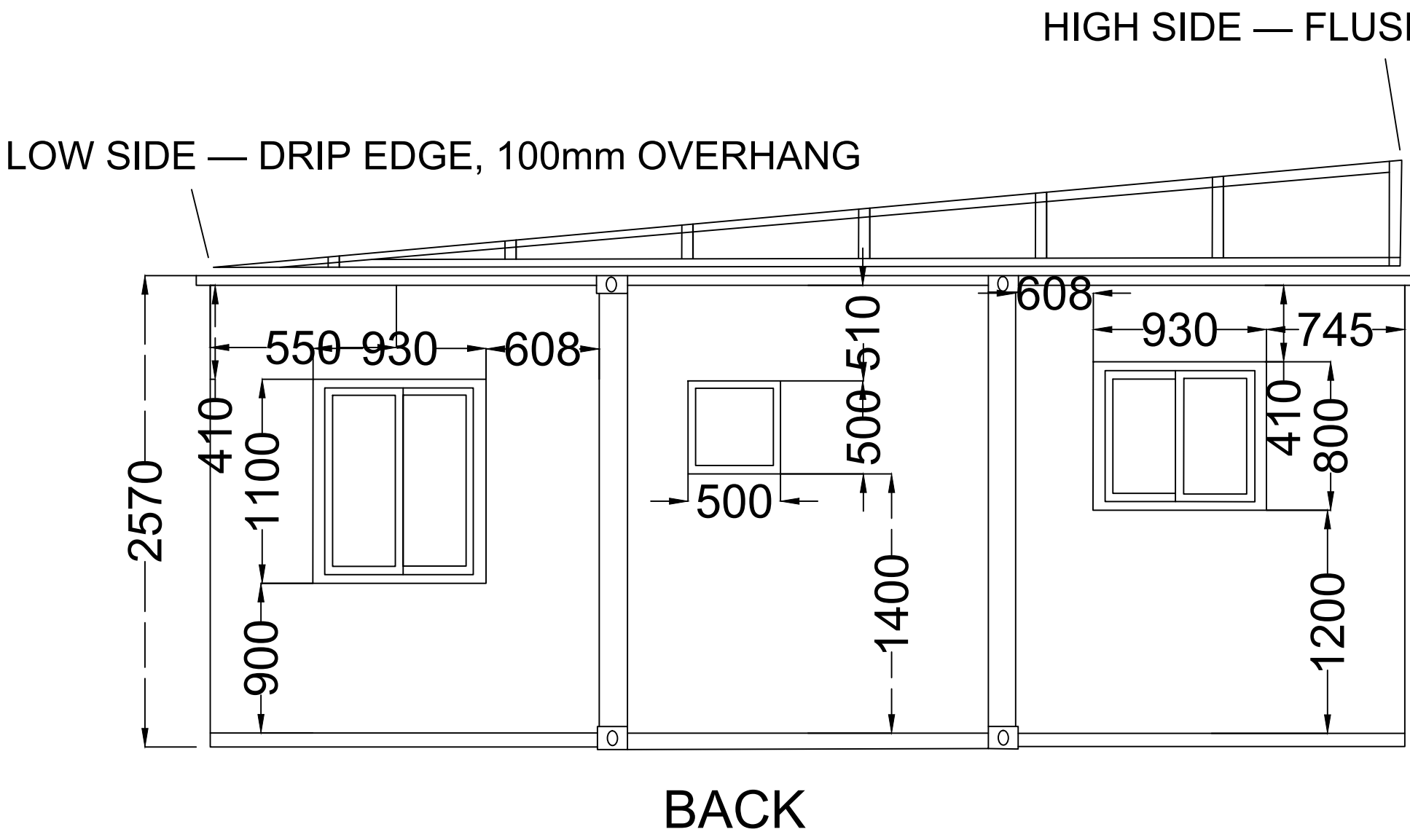
HOUSE MODULE — LEFT / RIGHT ELEVATION (WITHOUT RS-M)



FRONT

LEFT ELEVATION

one screw per REA/joist intersection, max 950mm o.c.



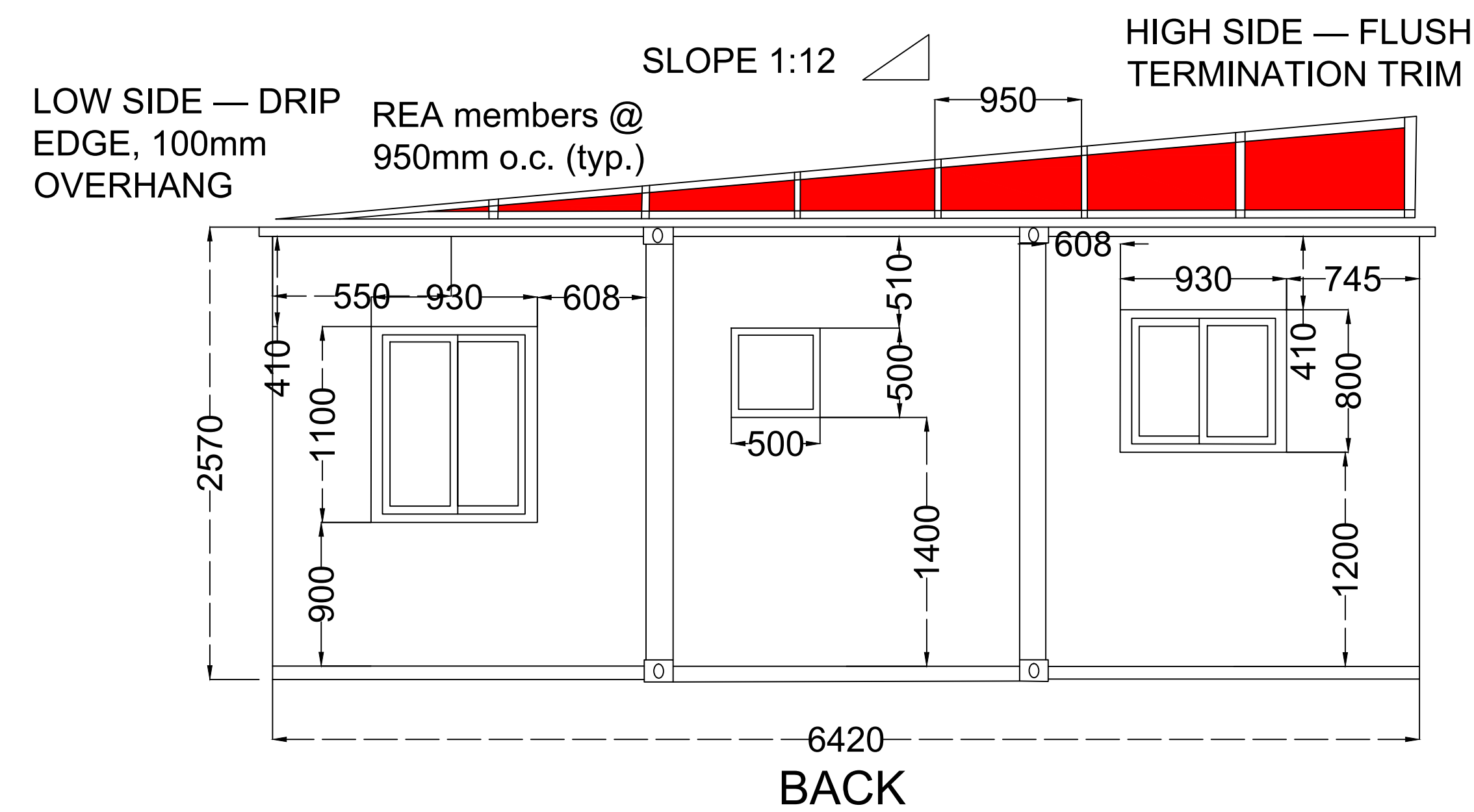
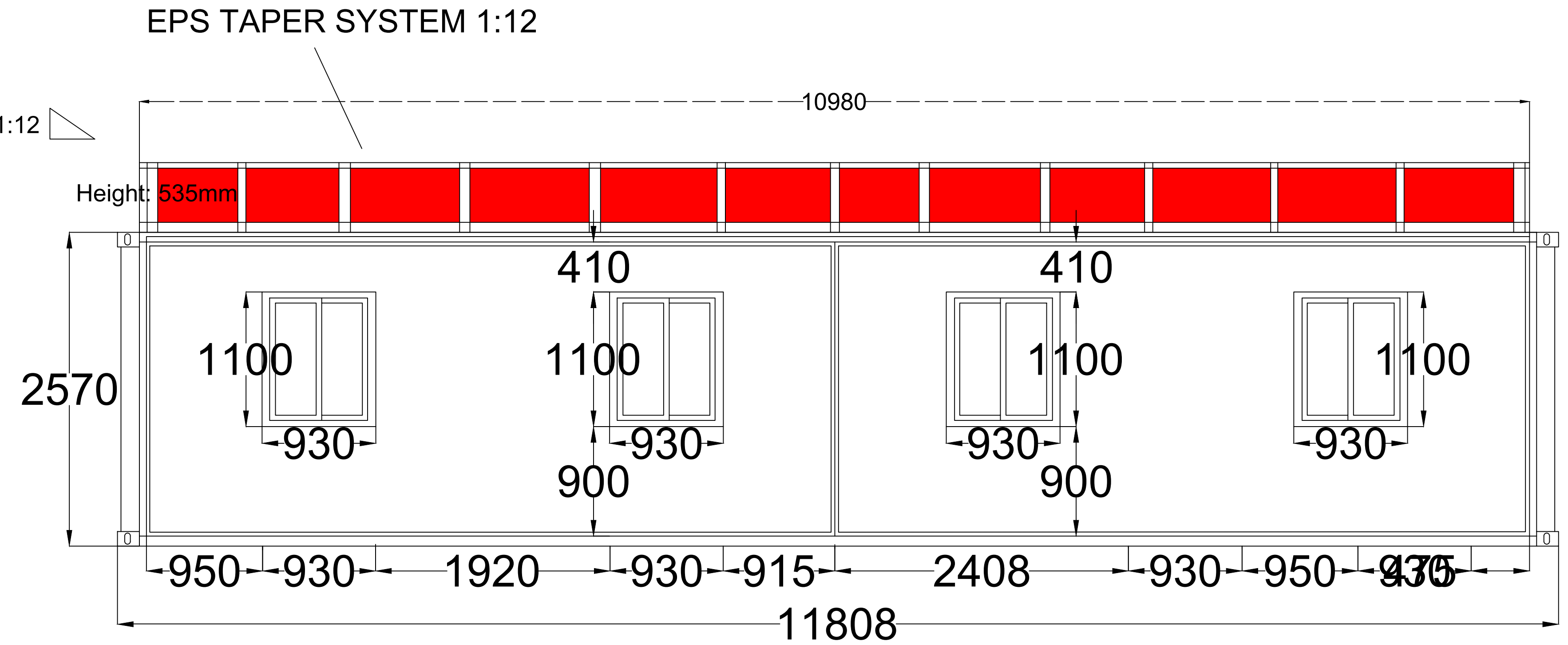
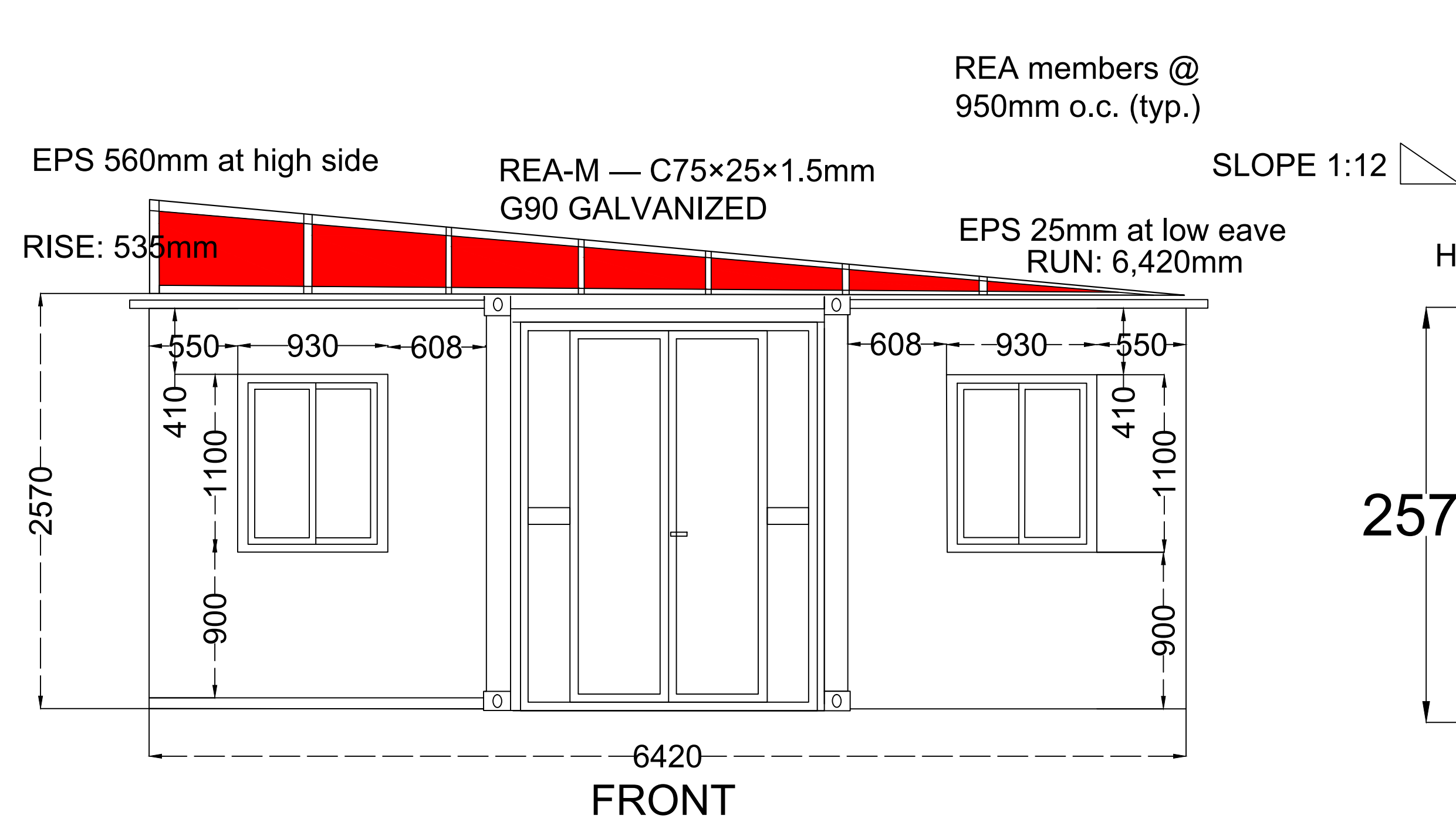
BACK

RIGHT ELEVATION

RS-M total dead load: 2.815 psf — within 3.0 psf collateral allowance

DRAWN	LCH-01	2024. 04. 25		DRAWING NAME	REA-M — FACTORY SUPPLIED ROOF EDGE ASSEMBLY (MONO SLOPE)
DATE				PROJECT NO.	
APPROVED					
SCALE		Page of			

RS-M — FIELD INSTALLED MONO SLOPE ROOF SYSTEM

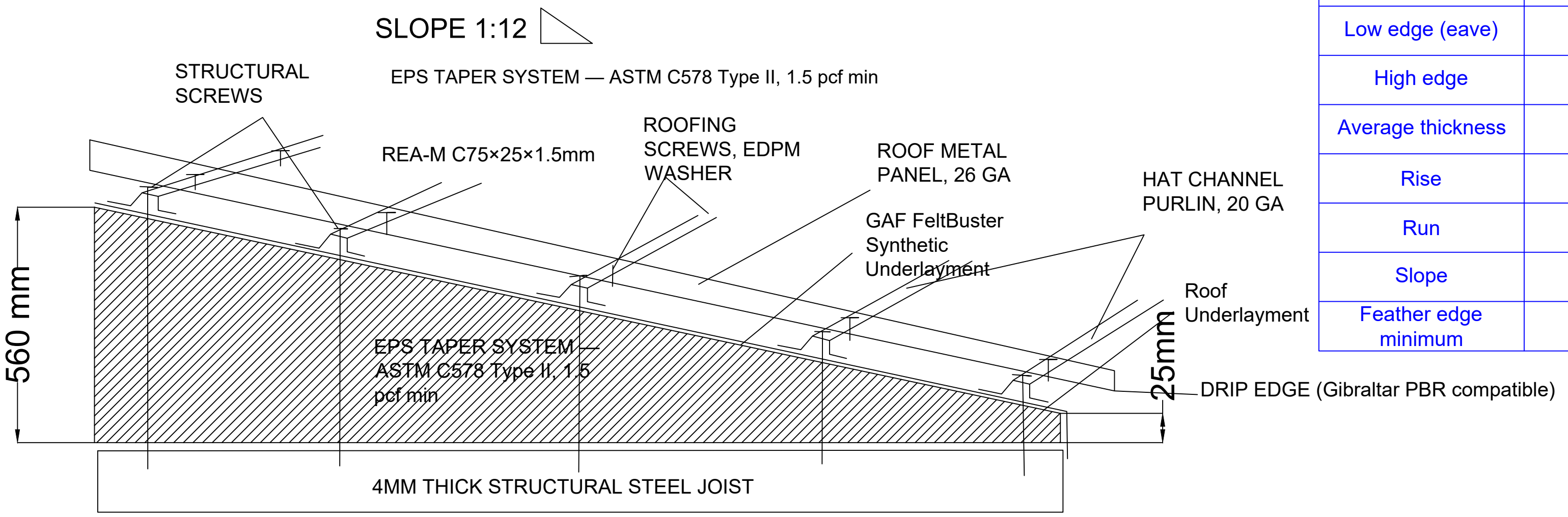


REA members ship loose with the module and are installed in the field as part of the roof covering kit. REA weight is included in the 3 psf collateral load allowance

RS-M total dead load: 2.815 psf — within 3.0 psf collateral allowance

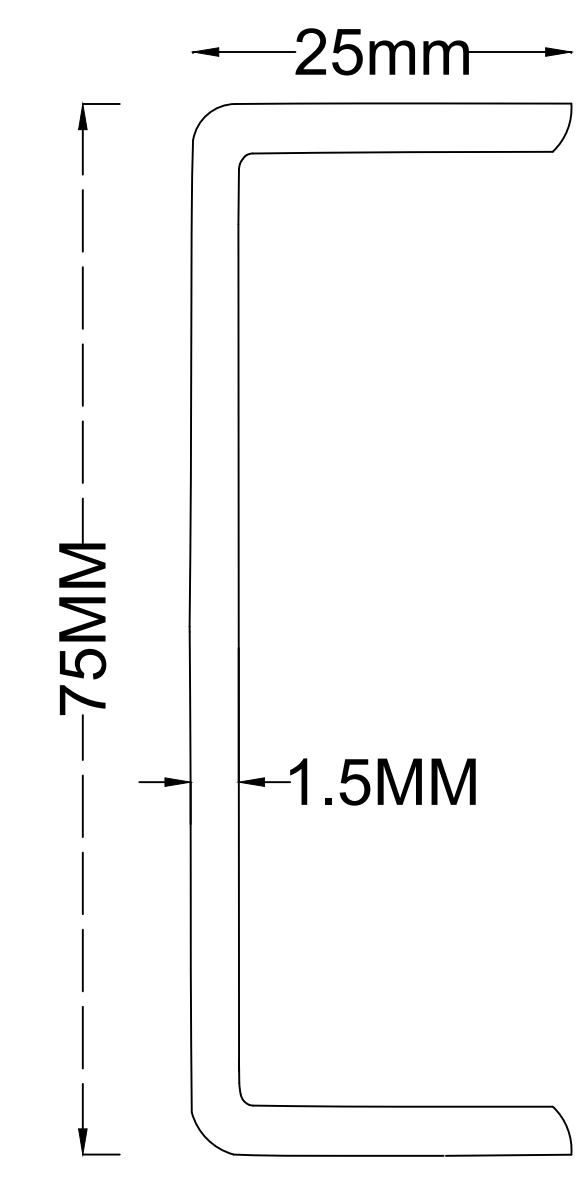
DRAWN	LCH-01	2024. 04. 25		DRAWING NAME	RS-M — FIELD INSTALLED MONO SLOPE ROOF SYSTEM
DATE				PROJECT NO.	
APPROVED					
SCALE		Page of			

RS-M — FIELD INSTALLED MONO SLOPE ROOF SYSTEM

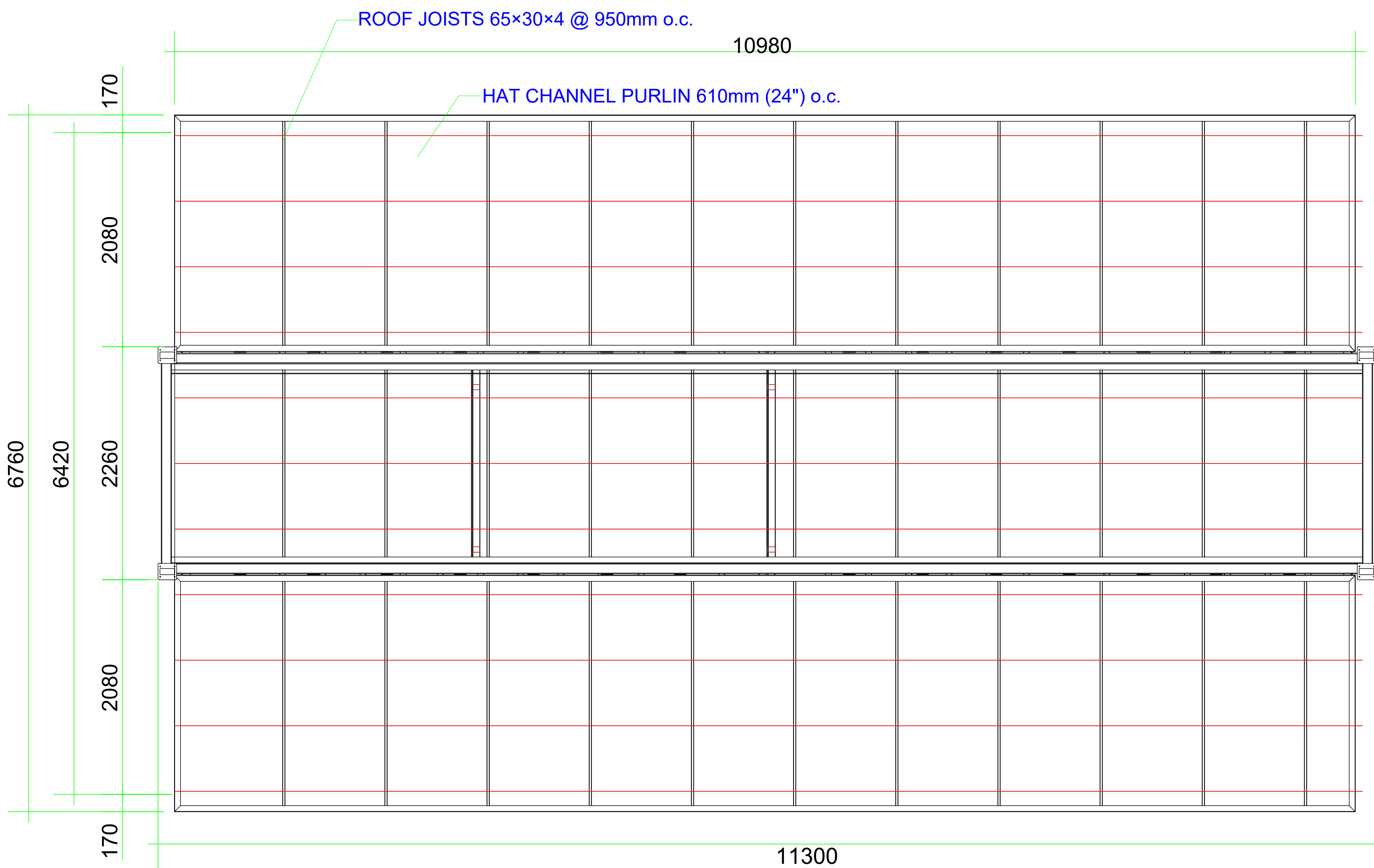


SECTION DETAIL — RS-M ROOF ASSEMBLY

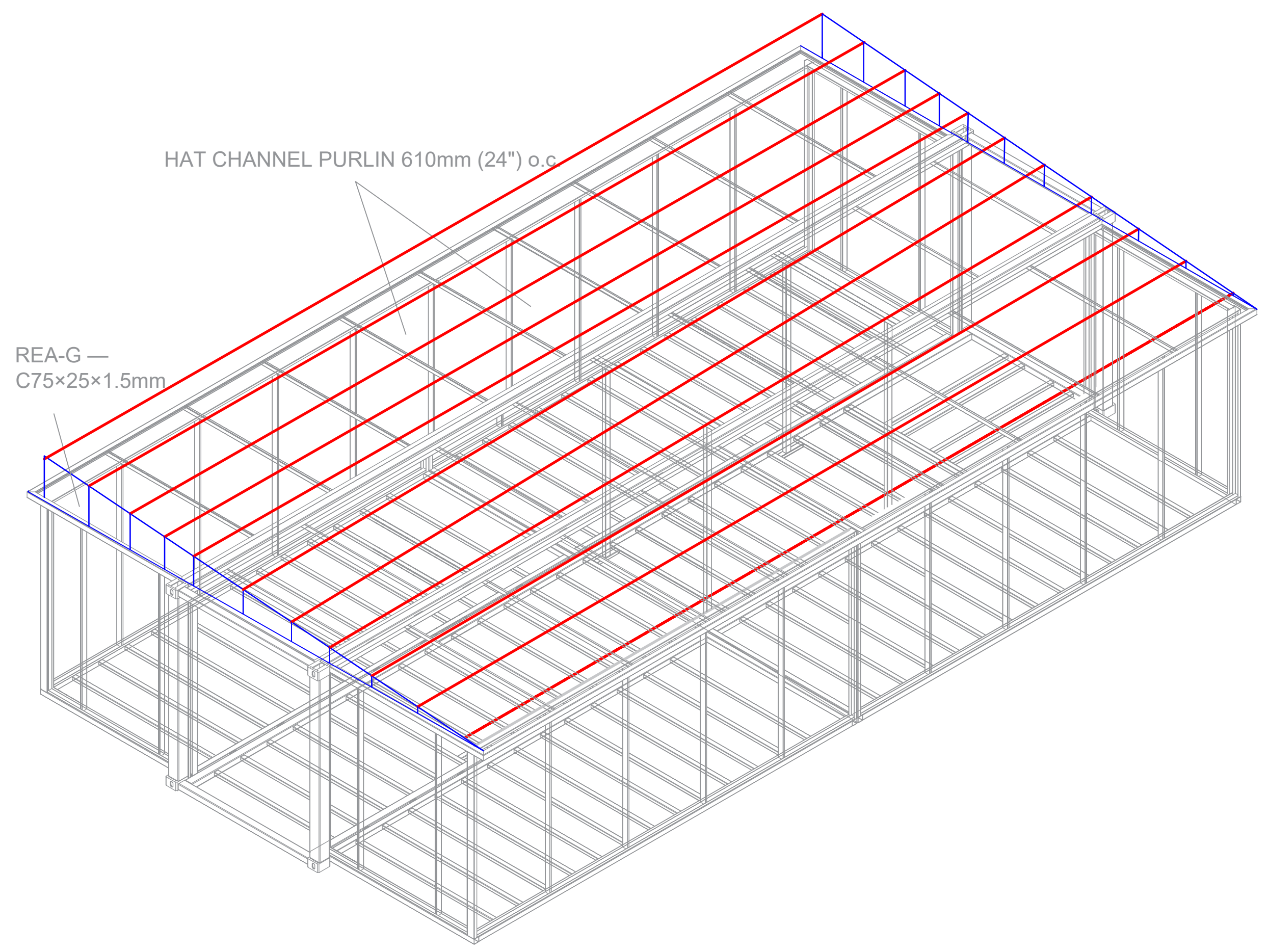
RS-M (Mono Slope)	
Dimension	Value
Low edge (eave)	25mm
High edge	560mm
Average thickness	292.5mm
Rise	535mm
Run	6,420mm
Slope	1:12
Feather edge minimum	25mm



REA C-channel specification	
Property	Value
Type	Cold-formed C-channel
Web	75mm
Flanges	25mm
Thickness	1.5mm
Finish	Galvanized G90 minimum
Attachment	Butyl sealing tape between REA and roof deck, structural screws through tape into joists
Fastener	1/4" min diameter, self-drilling tapping, ICC-ES evaluated, ≥400 lbf ASD withdrawal into 4mm steel
Spacing	One screw per REA/joist intersection, max 950mm o.c.
Dead load	0.196 psf (included in 3.0 psf collateral allowance)



RS-M ROOF DECK PLAN — HAT CHANNEL INSTALLATION MAP

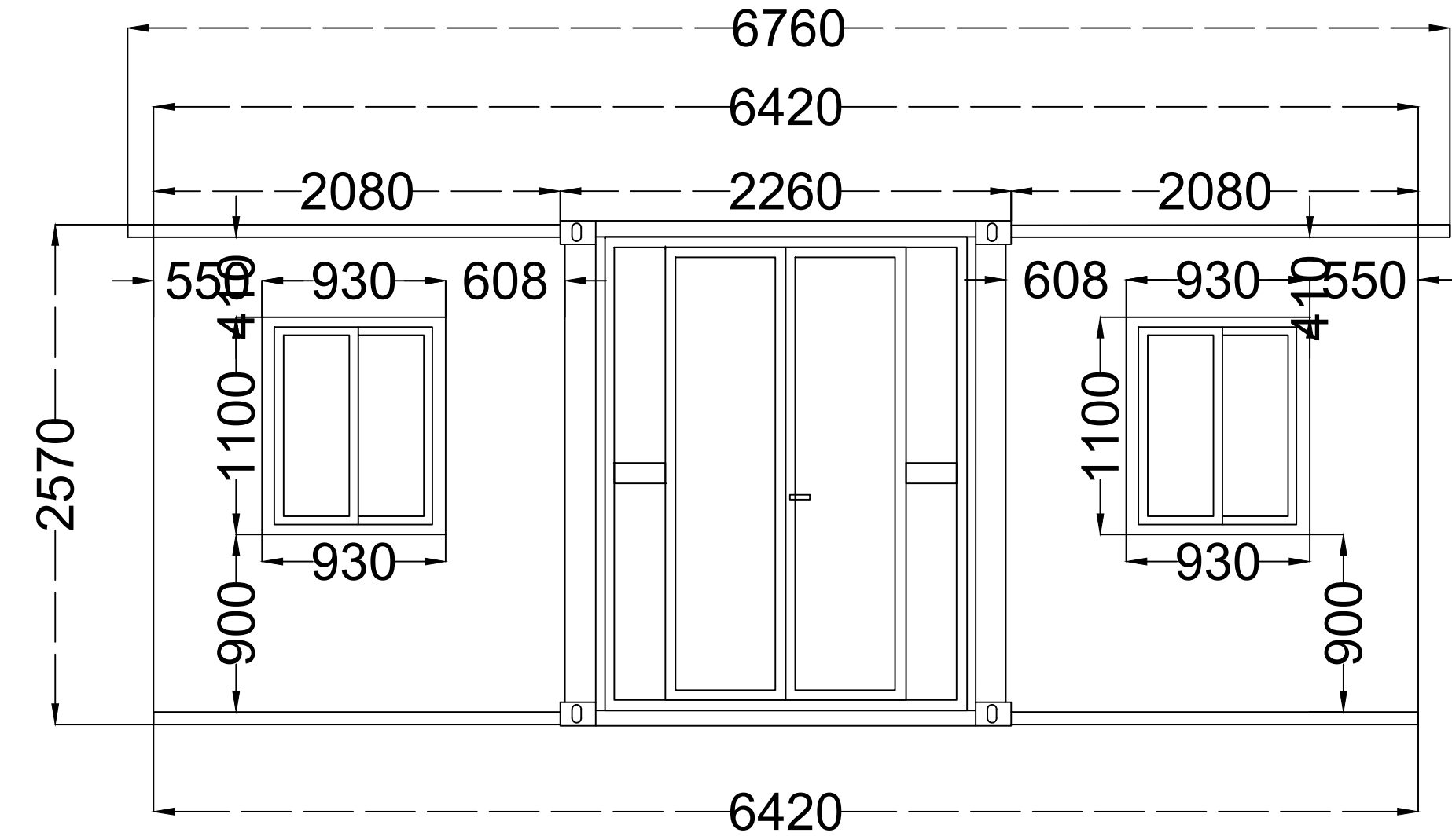


REA members ship loose with the module and are installed in the field as part of the roof covering kit. REA weight is included in the 3 psf collateral load allowance.

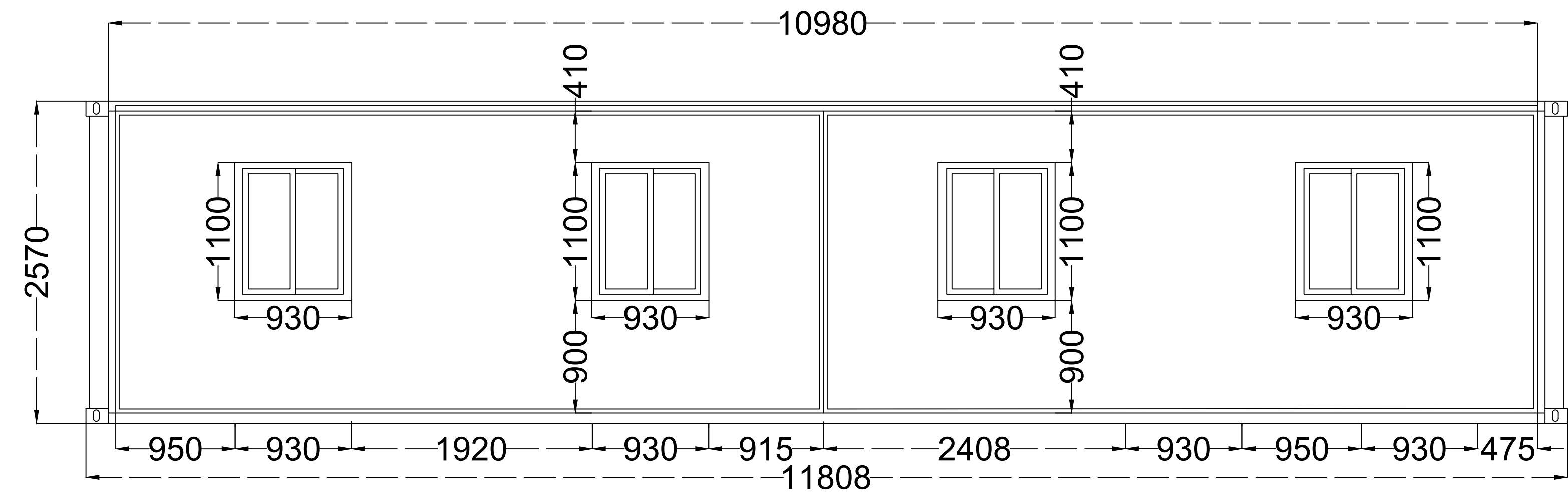
RS-M total dead load: 2.815 psf — within 3.0 psf collateral allowance

DRAWN	LCH-01	2024. 04. 25		DRAWING NAME	RS-M ROOF DECK PLAN — HAT CHANNEL INSTALLATION MAP
DATE				PROJECT NO.	
APPROVED			Page of		
SCALE					

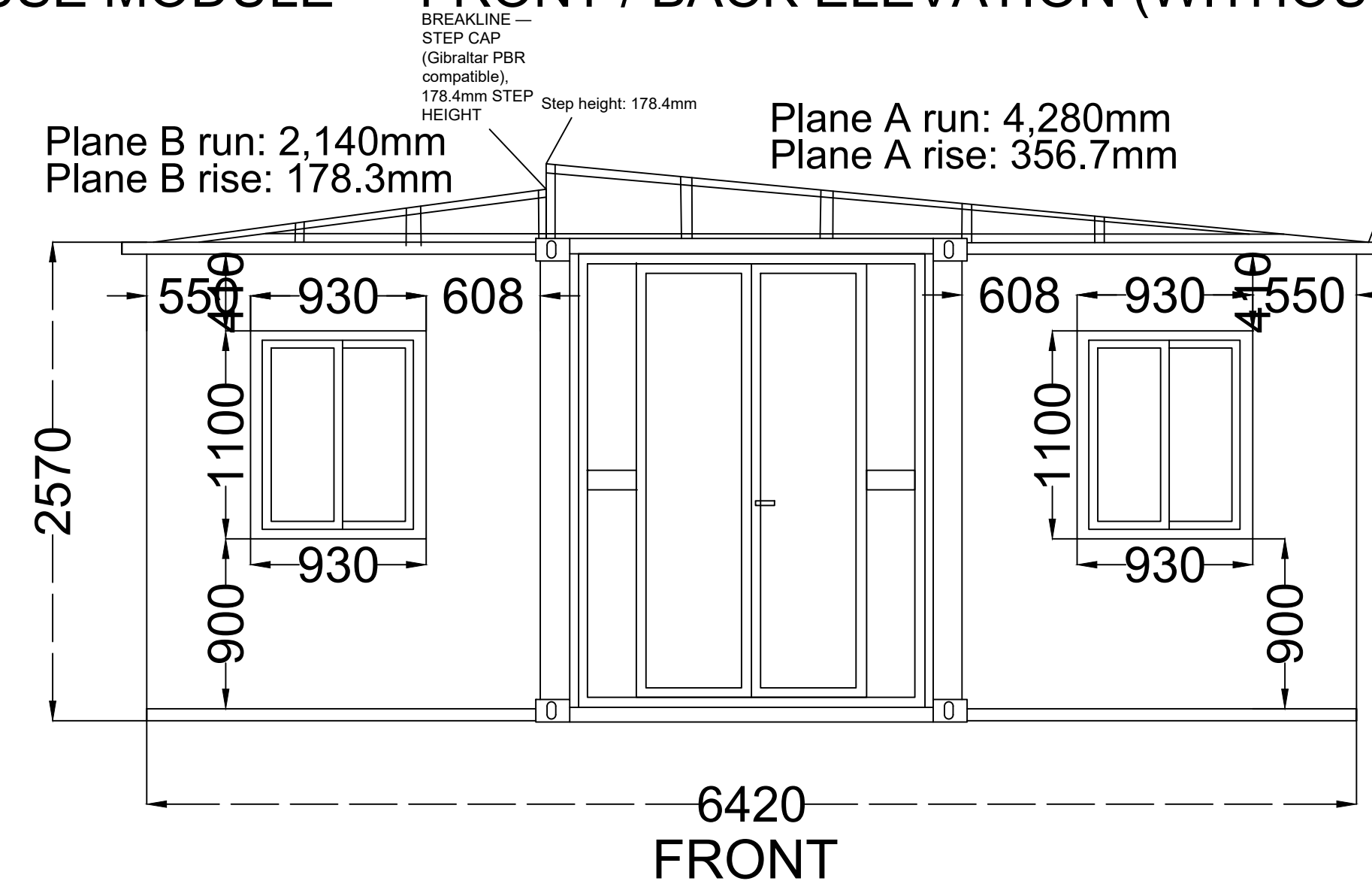
REA-SV — FACTORY SUPPLIED ROOF EDGE ASSEMBLY (SPLIT SLOPE)



HOUSE MODULE — FRONT / BACK ELEVATION (WITHOUT REA-SV)



HOUSE MODULE — LEFT / RIGHT ELEVATION (WITHOUT REA-SV)

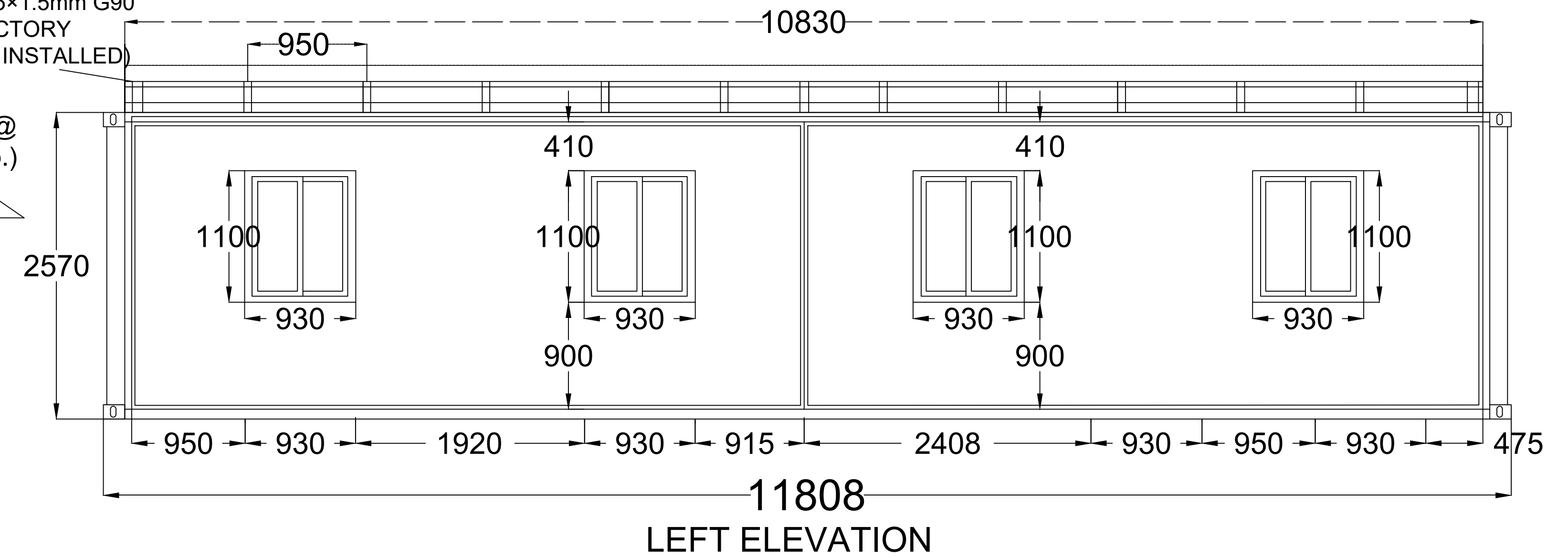


FRONT

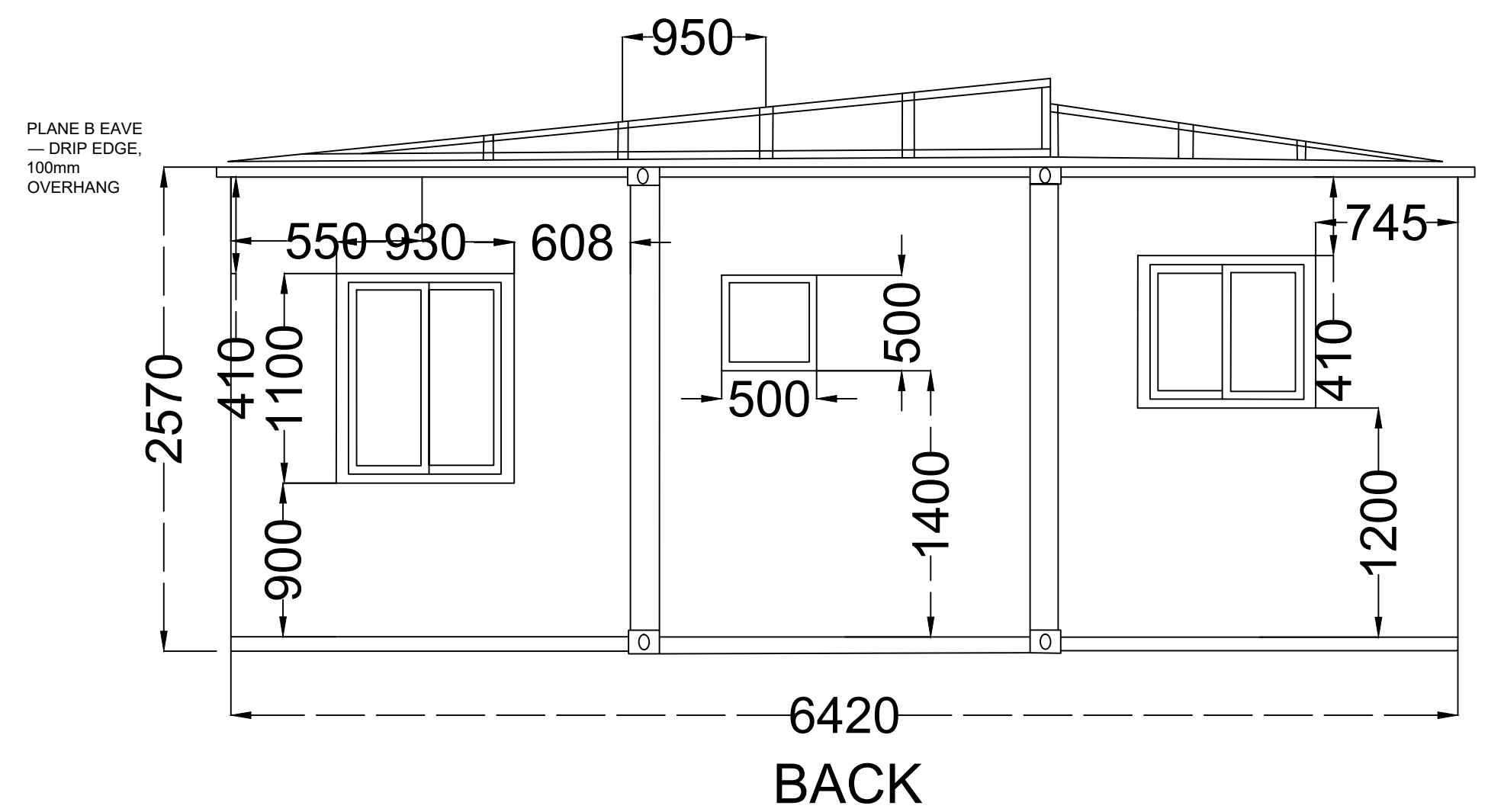
REA-SV — C75x25x1.5mm G90
GALVANIZED (FACTORY
SUPPLIED, FIELD INSTALLED)

REA members @
950mm o.c. (typ.)

SLOPE 1:12



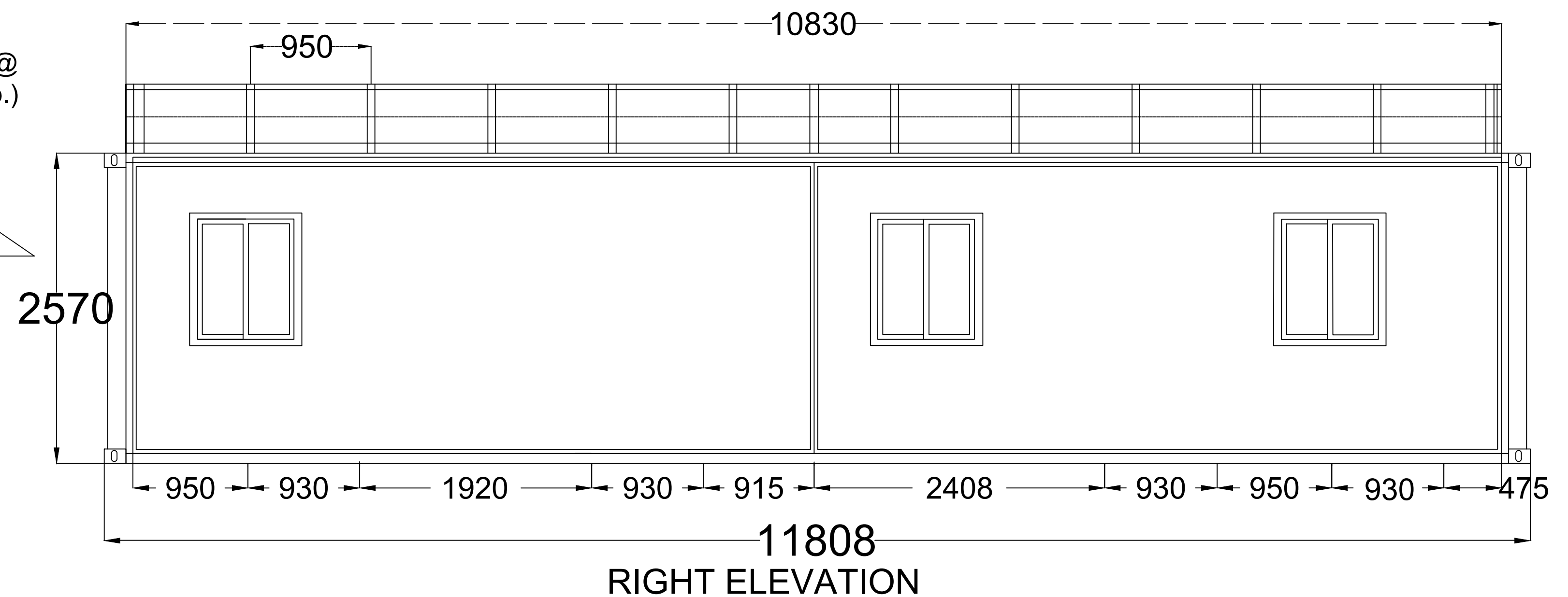
LEFT ELEVATION



BACK

REA members @
950mm o.c. (typ.)

SLOPE 1:12



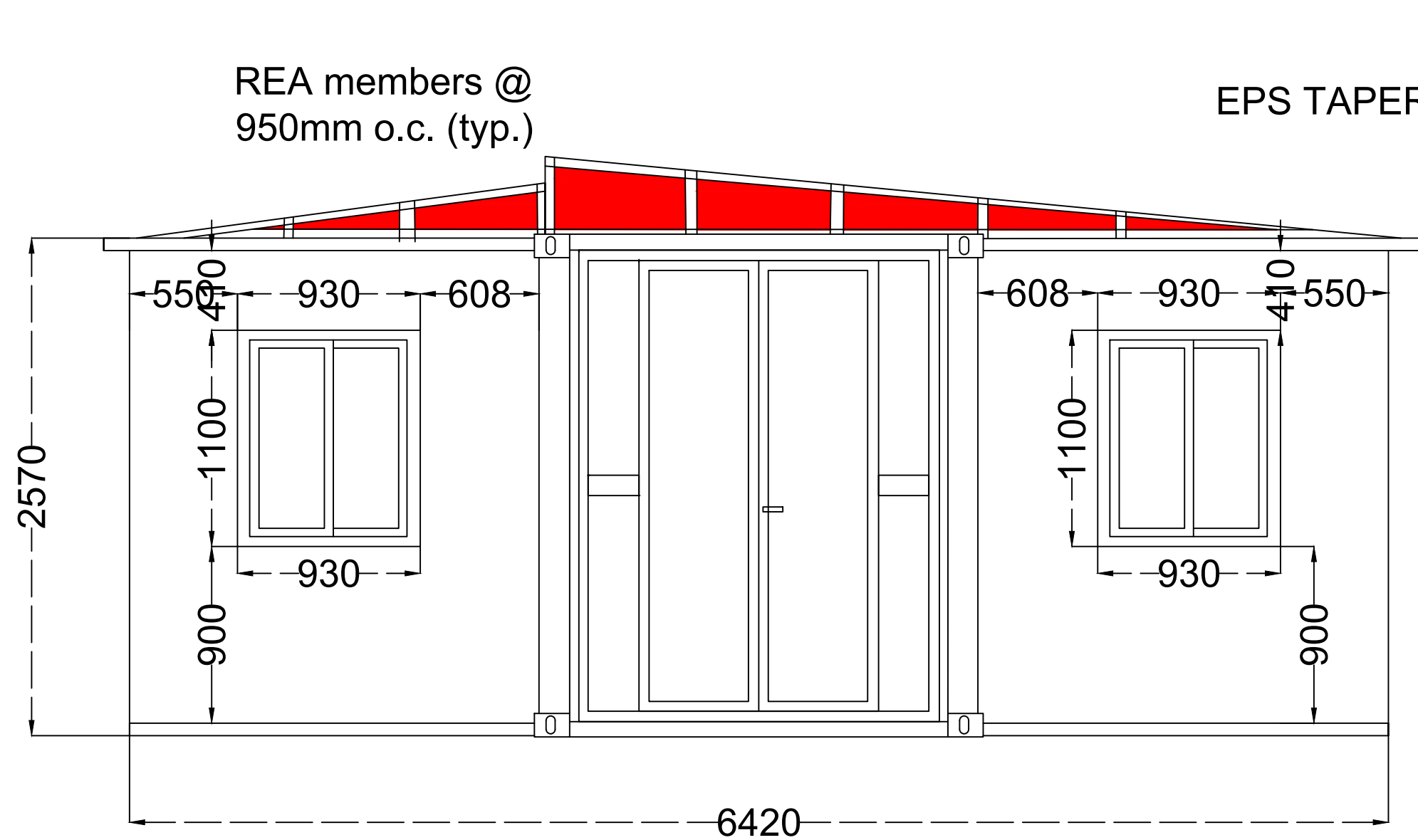
RIGHT ELEVATION

REA members ship loose with the module and are installed in the field as part of the roof covering kit. REA weight is included in the 3 psf collateral load allowance

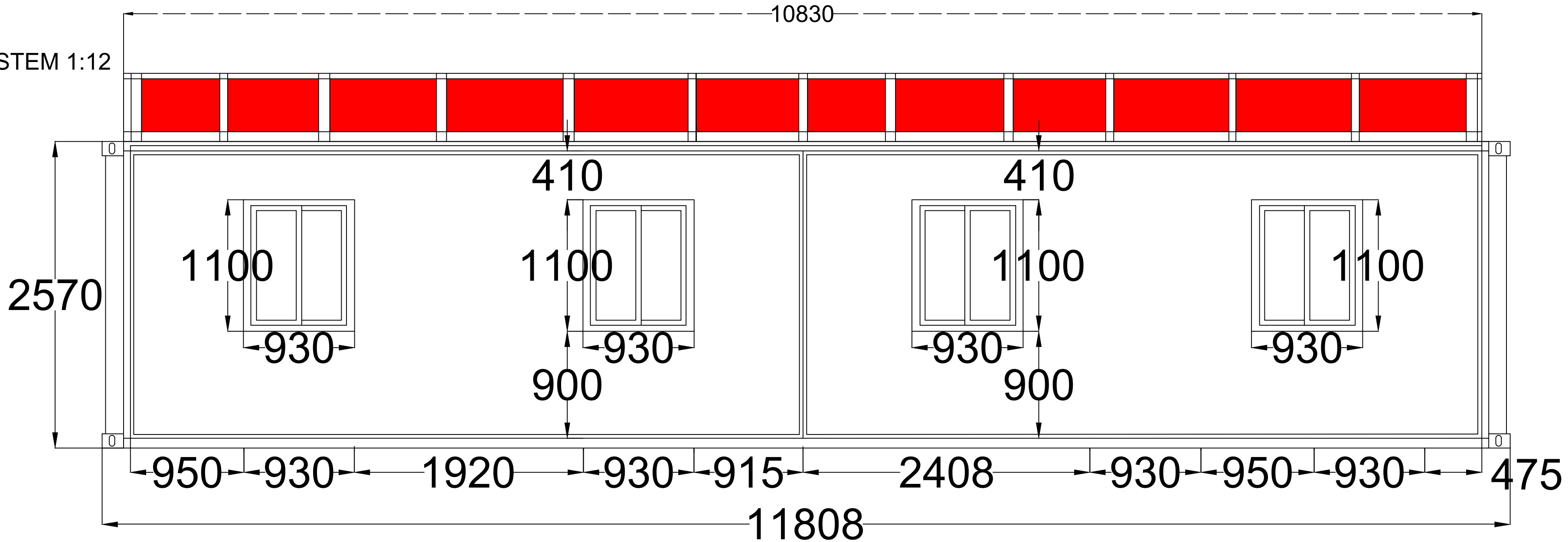
RS-SV total dead load: 2.28 psf — within 3.0 psf collateral allowance

DRAWN	LCH-01	2024. 04. 25		DRAWING NAME	REA-SV ROOF EDGE ASSEMBLY — HOUSE MODULE ELEVATIONS
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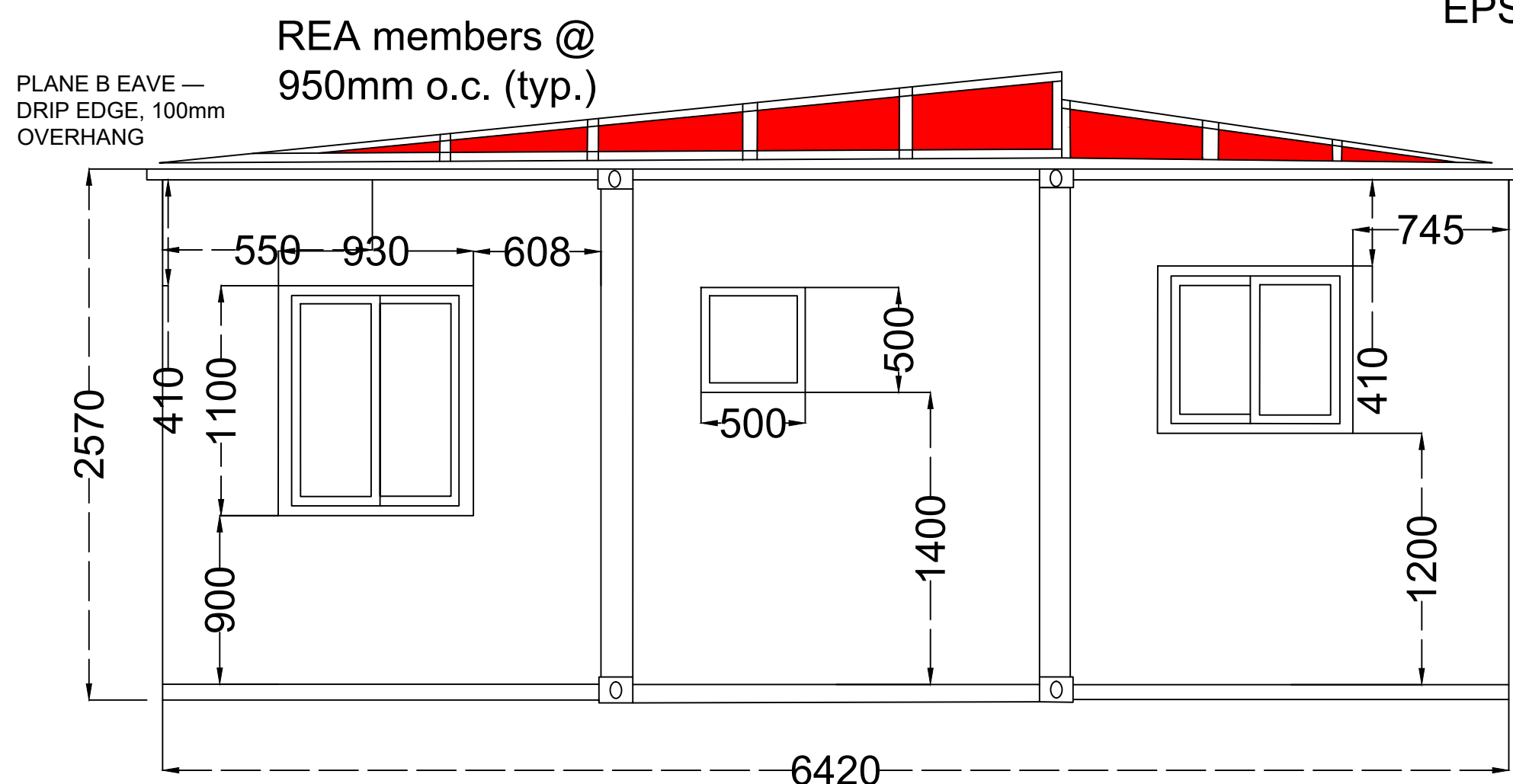
RS-SV — FIELD INSTALLED SPLIT SLOPE ROOF SYSTEM



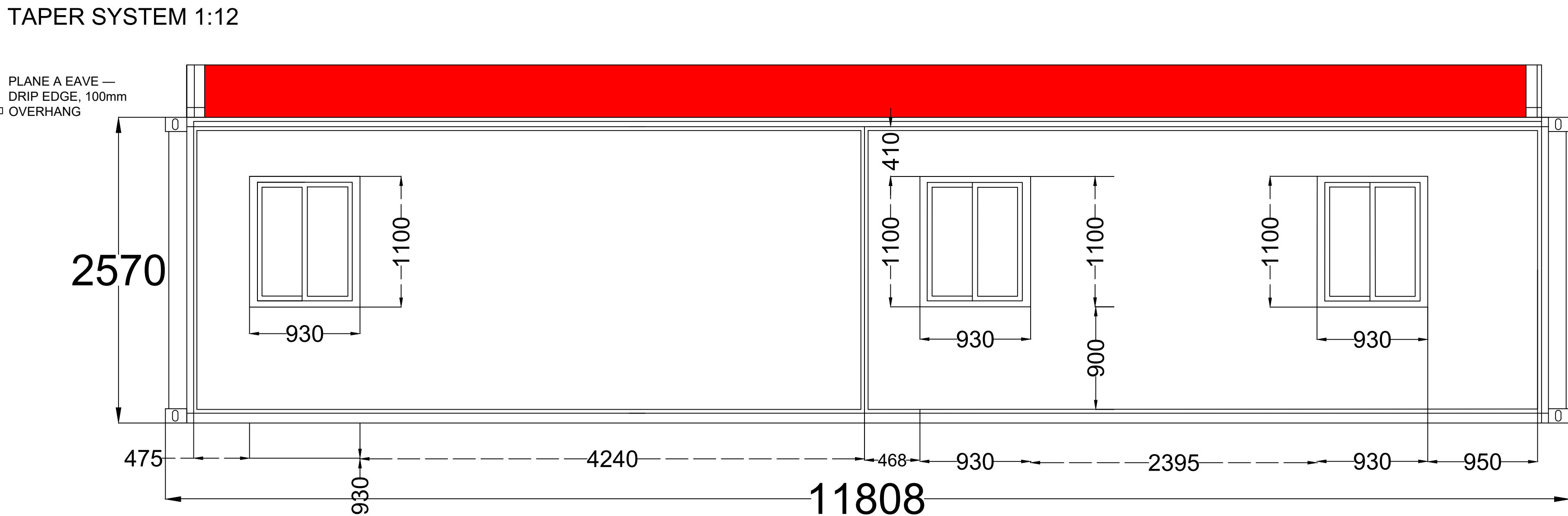
FRONT



LEFT ELEVATION



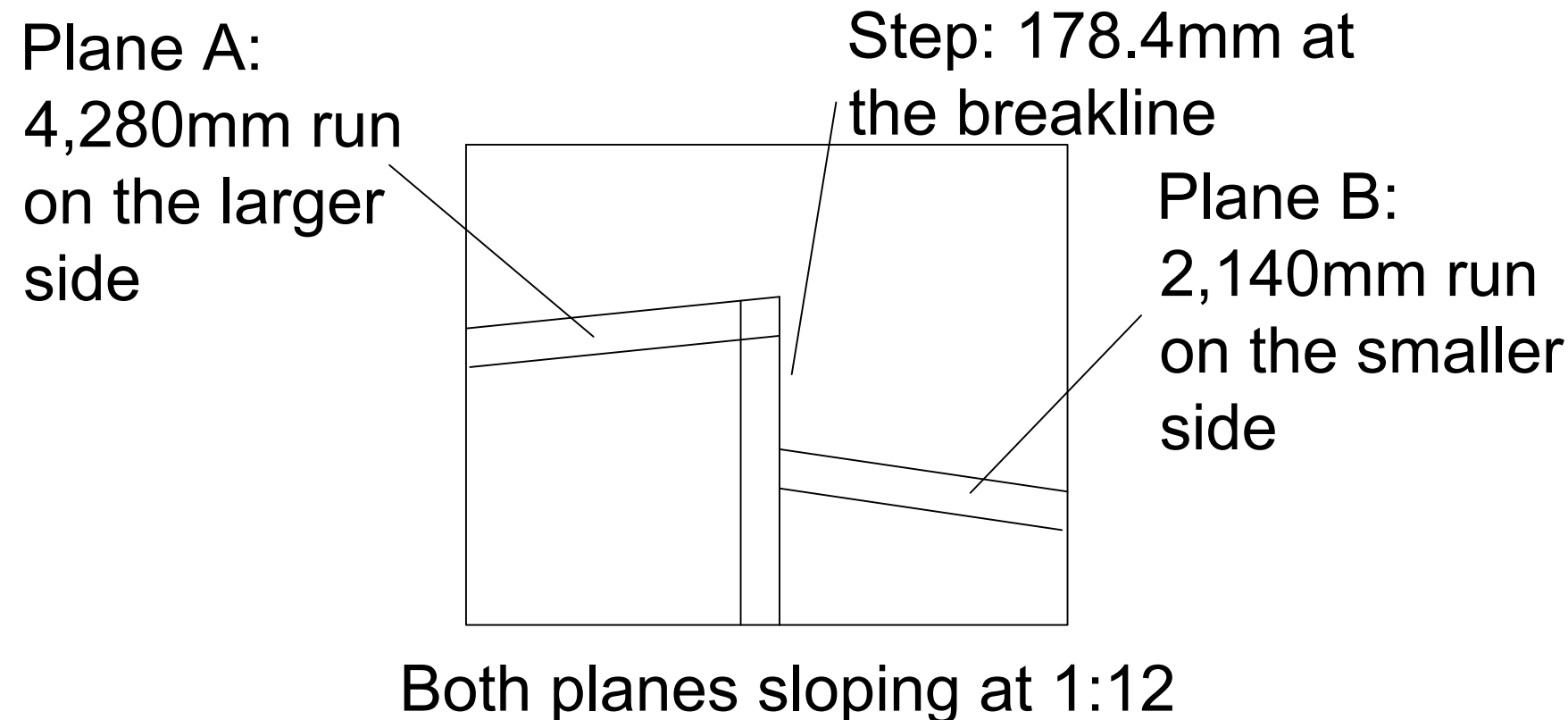
BACK



RIGHT ELEVATION

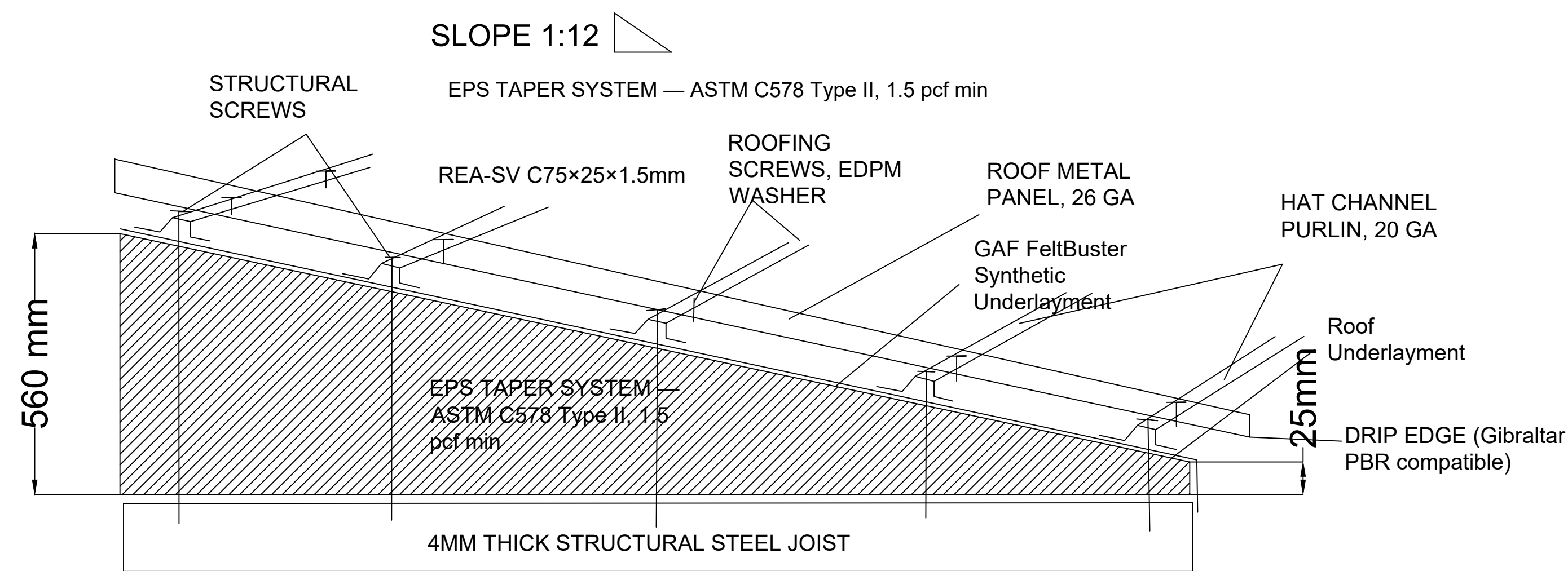
REA members ship loose with the module and are installed in the field as part of the roof covering kit. REA weight is included in the 3 psf collateral load allowance

RS-SV total dead load: 2.28 psf — within 3.0 psf collateral allowance

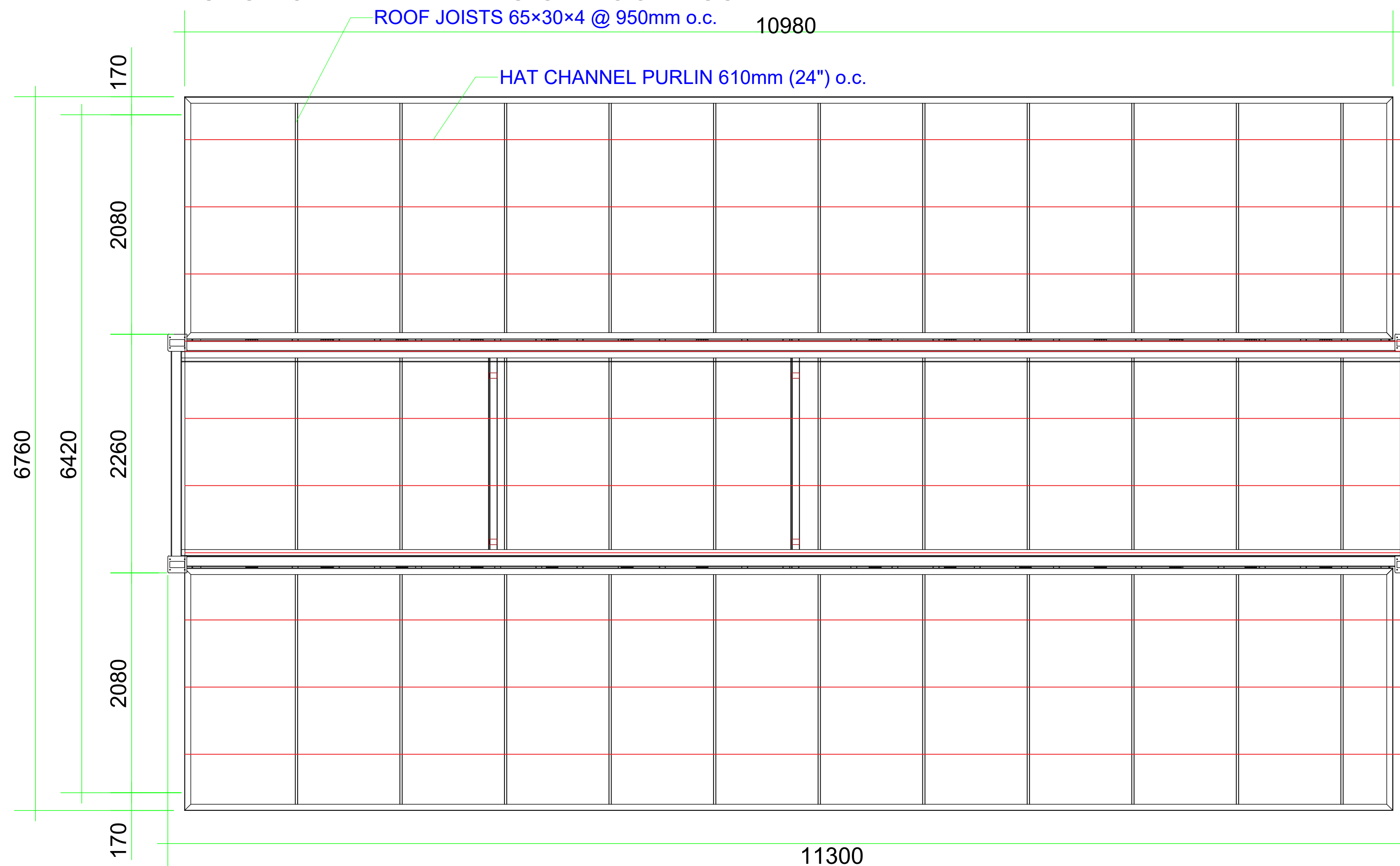


DRAWN	LCH-01	2024. 04. 25		DRAWING NAME	RS-SV SPLIT SLOPE ROOF SYSTEM — BUILDING ELEVATIONS
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APPROVED					
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RS-SV & REA-SV — ROOF ASSEMBLY DETAILS & SPECIFICATIONS



SECTION DETAIL — RS-SV ROOF ASSEMBLY

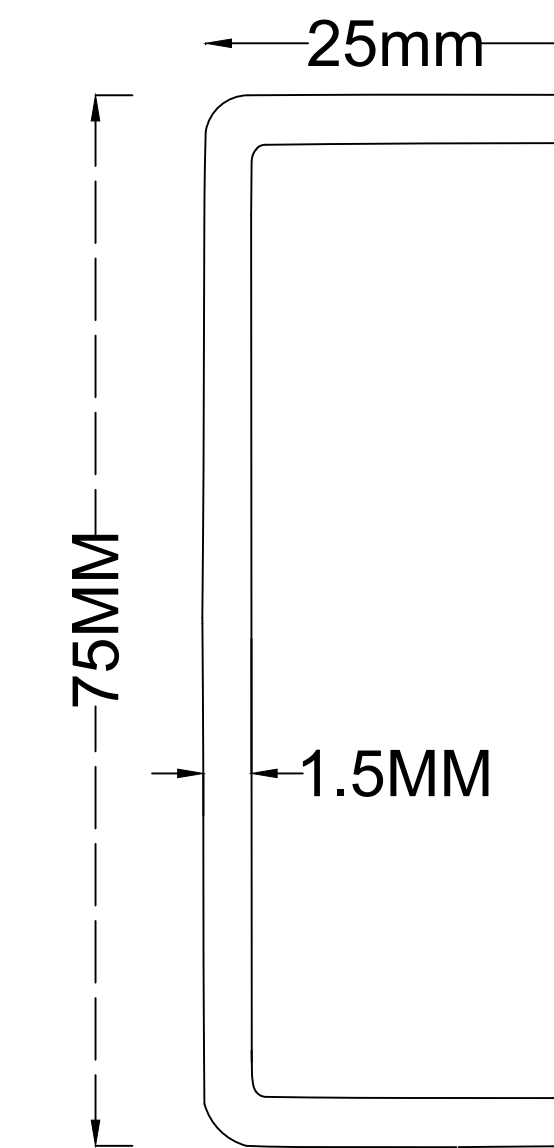


RS-SV ROOF DECK PLAN — HAT CHANNEL INSTALLATION MAP

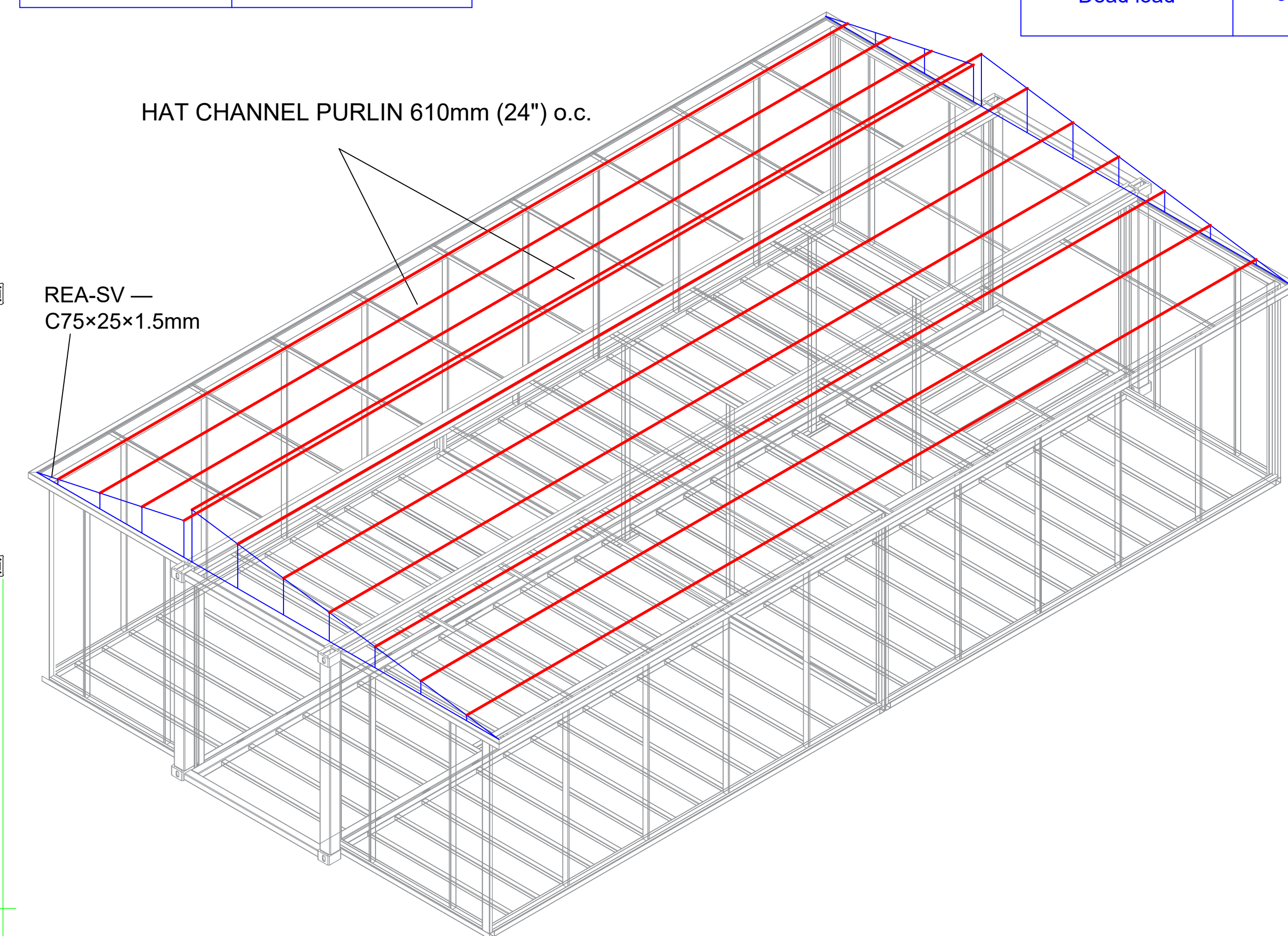
REA members ship loose with the module and are installed in the field as part of the roof covering kit. REA weight is included in the 3 psf collateral load allowance

RS-SV total dead load: 2.28 psf — within 3.0 psf collateral allowance

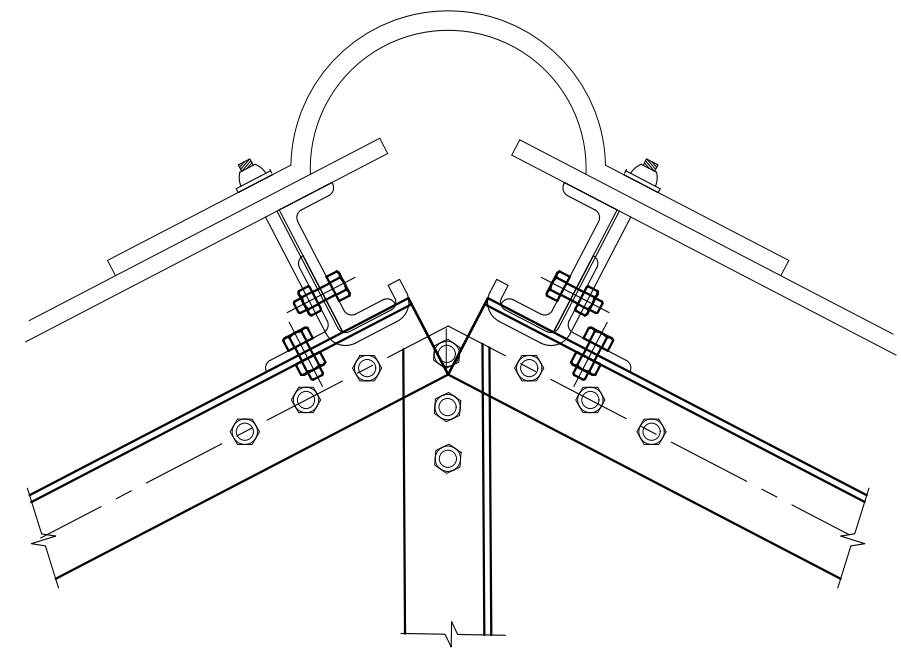
RS-SV	
Plane A — Large plane (2/3 of width):	
Dimension	Value
Run	4,280mm
Rise	356.7mm
EPS at eave	25mm
EPS at breakline	381.7mm
Slope	1:12
Plane B — Small plane (1/3 of width):	
Run	2,140mm
Rise	178.3mm
EPS at eave	25mm
EPS at breakline	203.3mm
Slope	1:12



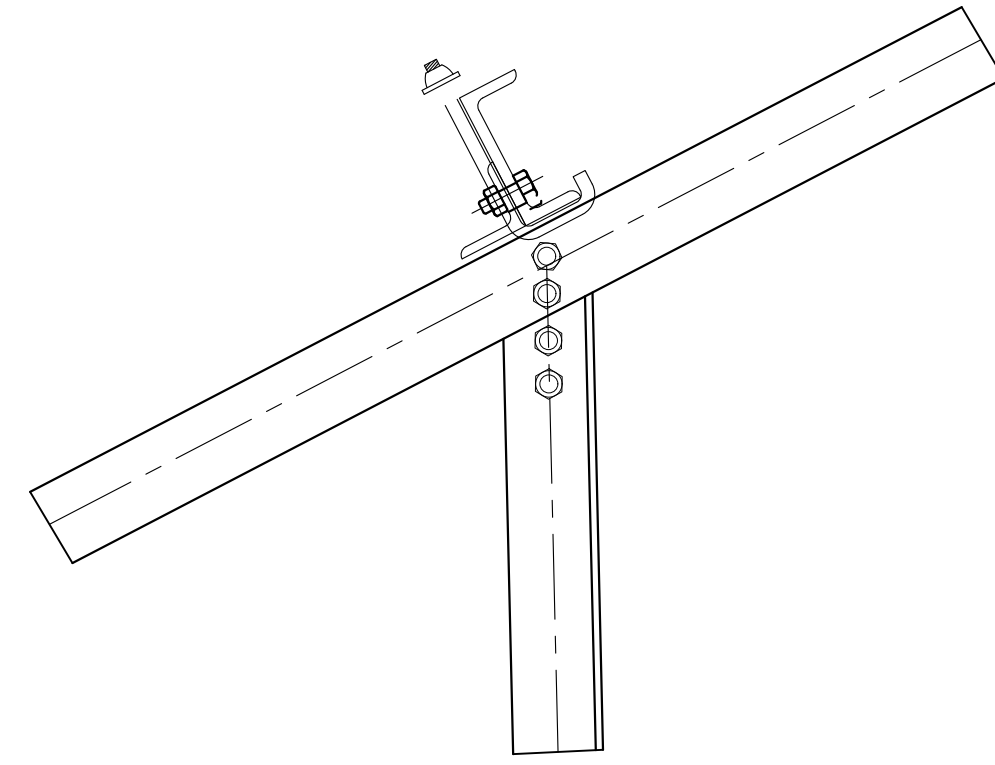
REA C-channel specification	
Property	Value
Type	Cold-formed C-channel
Web	75mm
Flanges	25mm
Thickness	1.5mm
Finish	Galvanized G90 minimum
Attachment	Butyl sealing tape between REA and roof deck, structural screws through tape into joists
Fastener	1/4" min diameter, self-drilling tapping, ICC-ES evaluated, ≥400 lbf ASD withdrawal into 4mm steel
Spacing	One screw per REA/joist intersection, max 950mm o.c.
Dead load	0.196 psf (included in 3.0 psf collateral allowance)



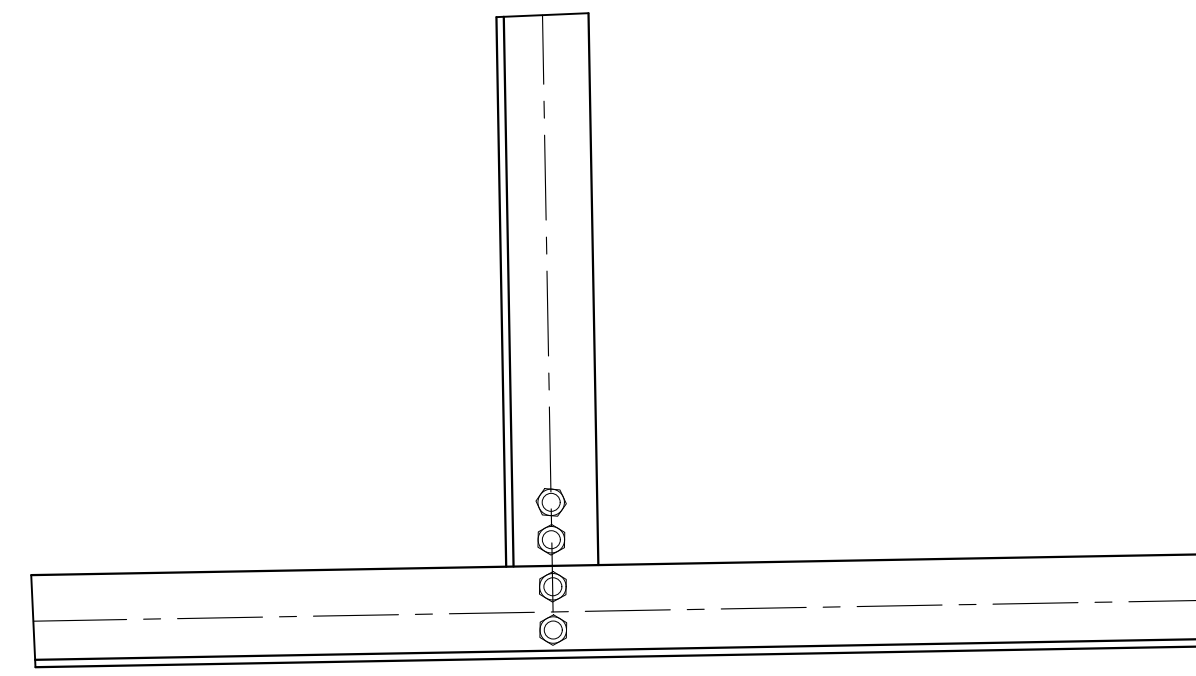
	DRAWN LCH-01	2024. 04. 25		DRAWING NAME	RS-SV ROOF DECK PLAN — HAT CHANNEL INSTALLATION MAP
	DATE			PROJECT NO.	
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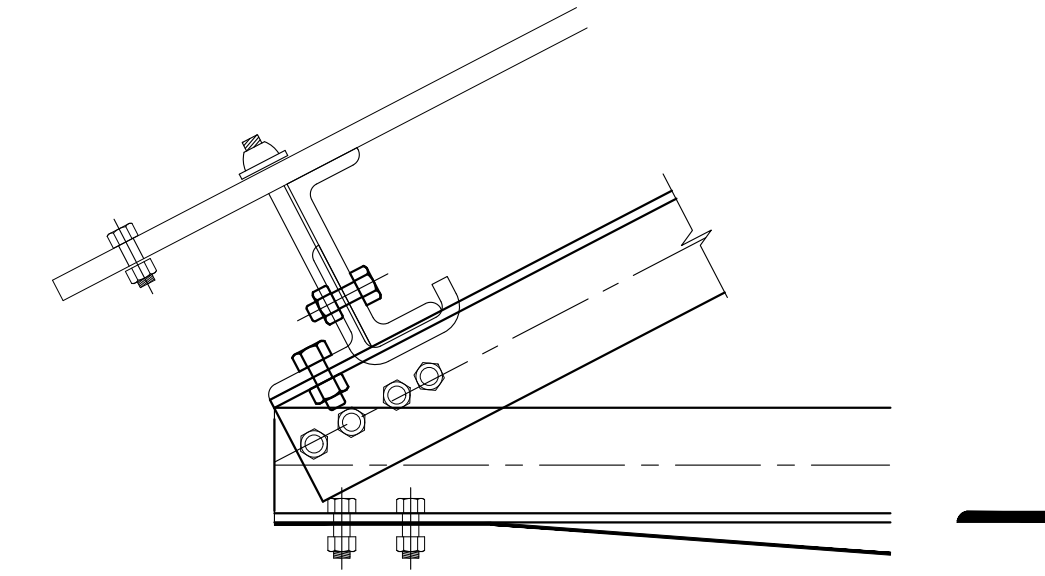
CONNECTION DETAIL-1



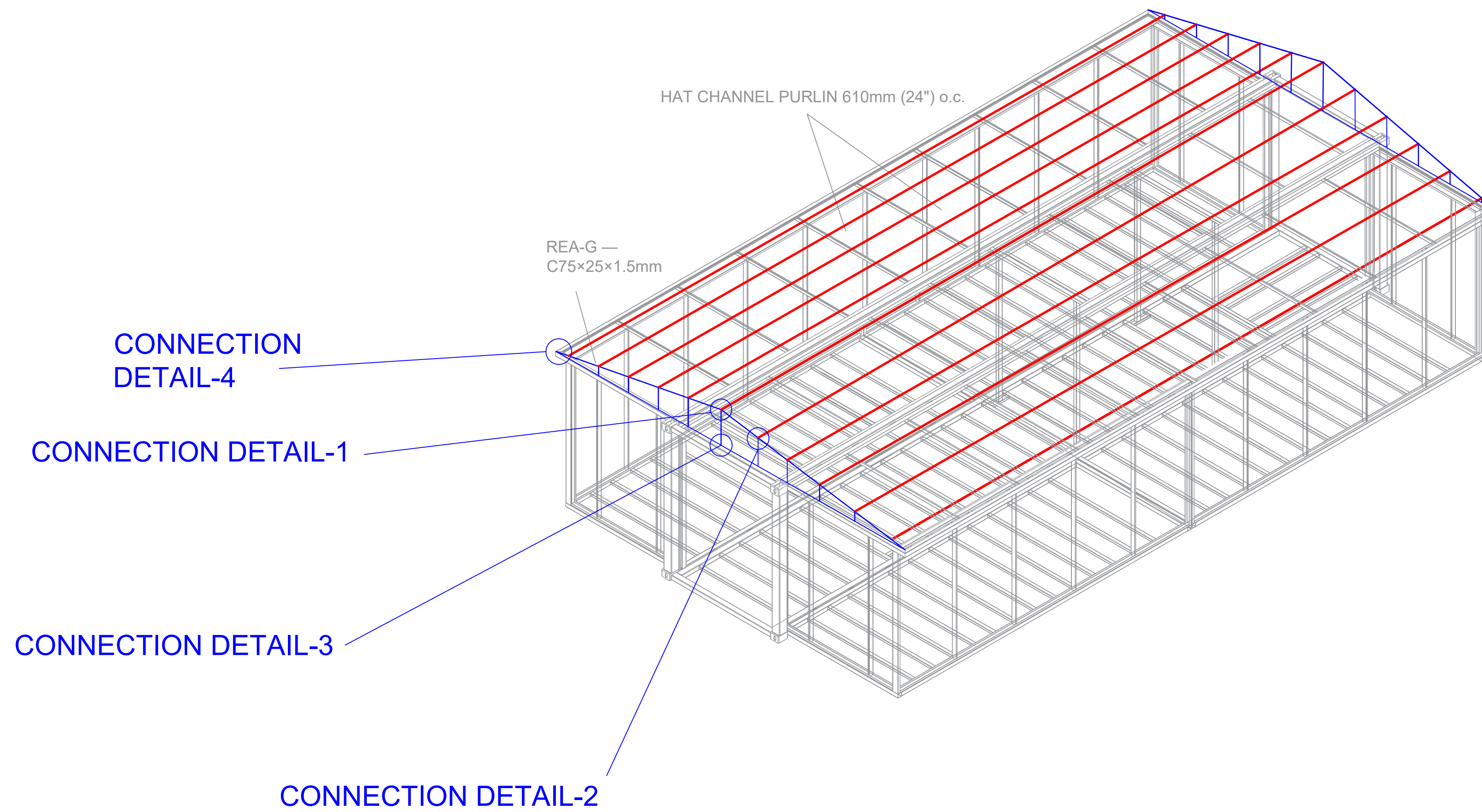
CONNECTION DETAIL-2



CONNECTION DETAIL-3

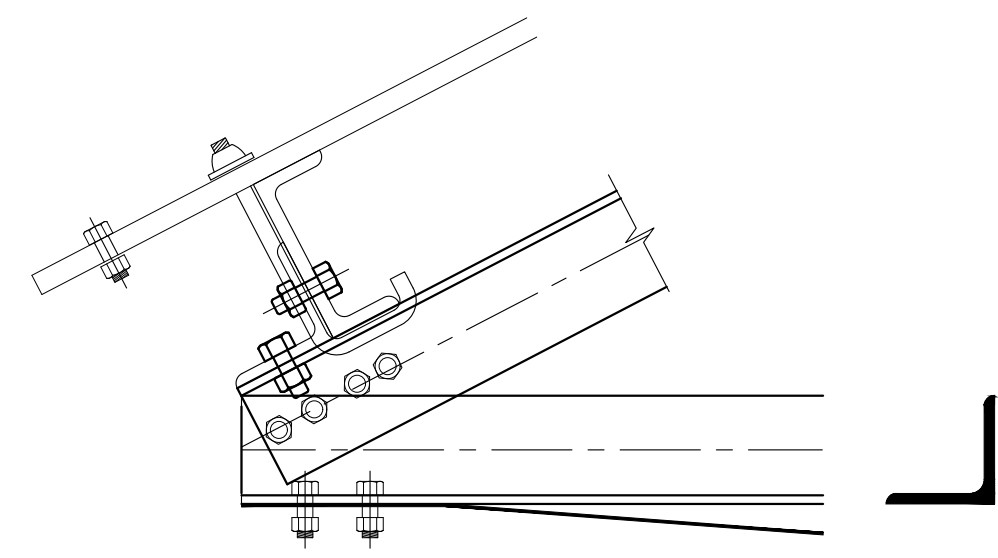


CONNECTION DETAIL-4

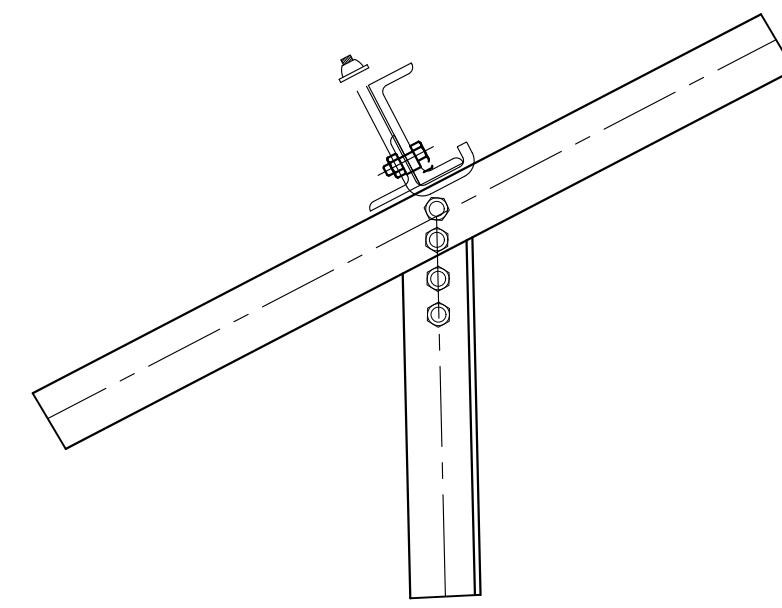


CONNECTION	FASTENER SPECIFICATION
REA TO REA	Screw, #10-16 x 3/4" Phillips Modified Truss (R/W) Head Self-Drilling Screw, #3 Zinc Plated
REA TO ROOF FRAMING	1/4"-14 x 2" Self-Drilling Screw, Hex Washer Head, Unslotted, w/ Bonded Washer, Zinc Cr+3

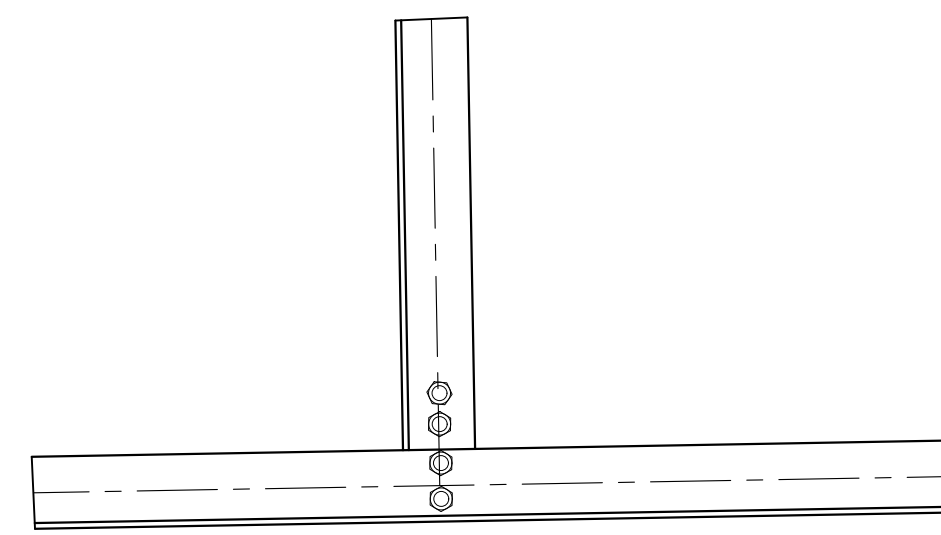
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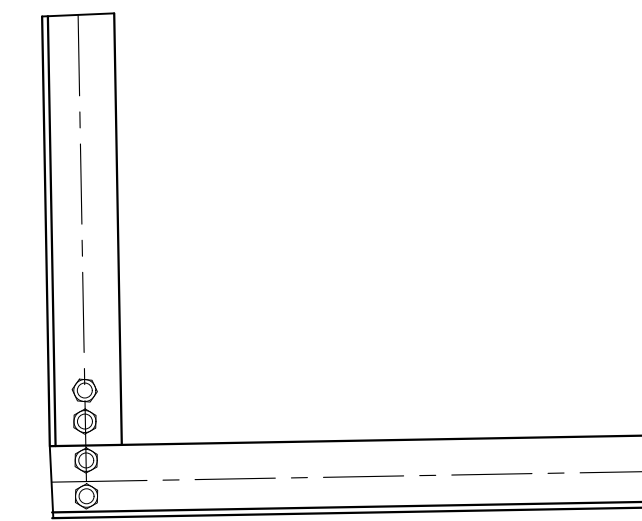
CONNECTION DETAIL-1



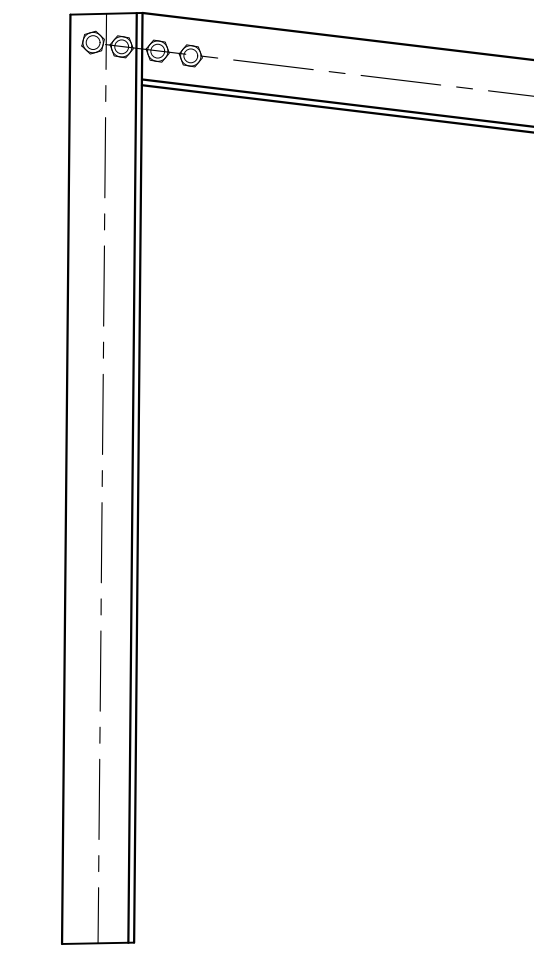
CONNECTION DETAIL-2



CONNECTION DETAIL-3



CONNECTION DETAIL-4



CONNECTION DETAIL-5

CONNECTION	FASTENER SPECIFICATION
REA TO REA	Screw, #10-16 x 3/4" Phillips Modified Truss (R/W) Head Self-Drilling Screw, #3 Zinc Plated
REA TO ROOF FRAMING	1/4"-14 x 2" Self-Drilling Screw, Hex Washer Head, Unslotted, w/ Bonded Washer, Zinc Cr+3

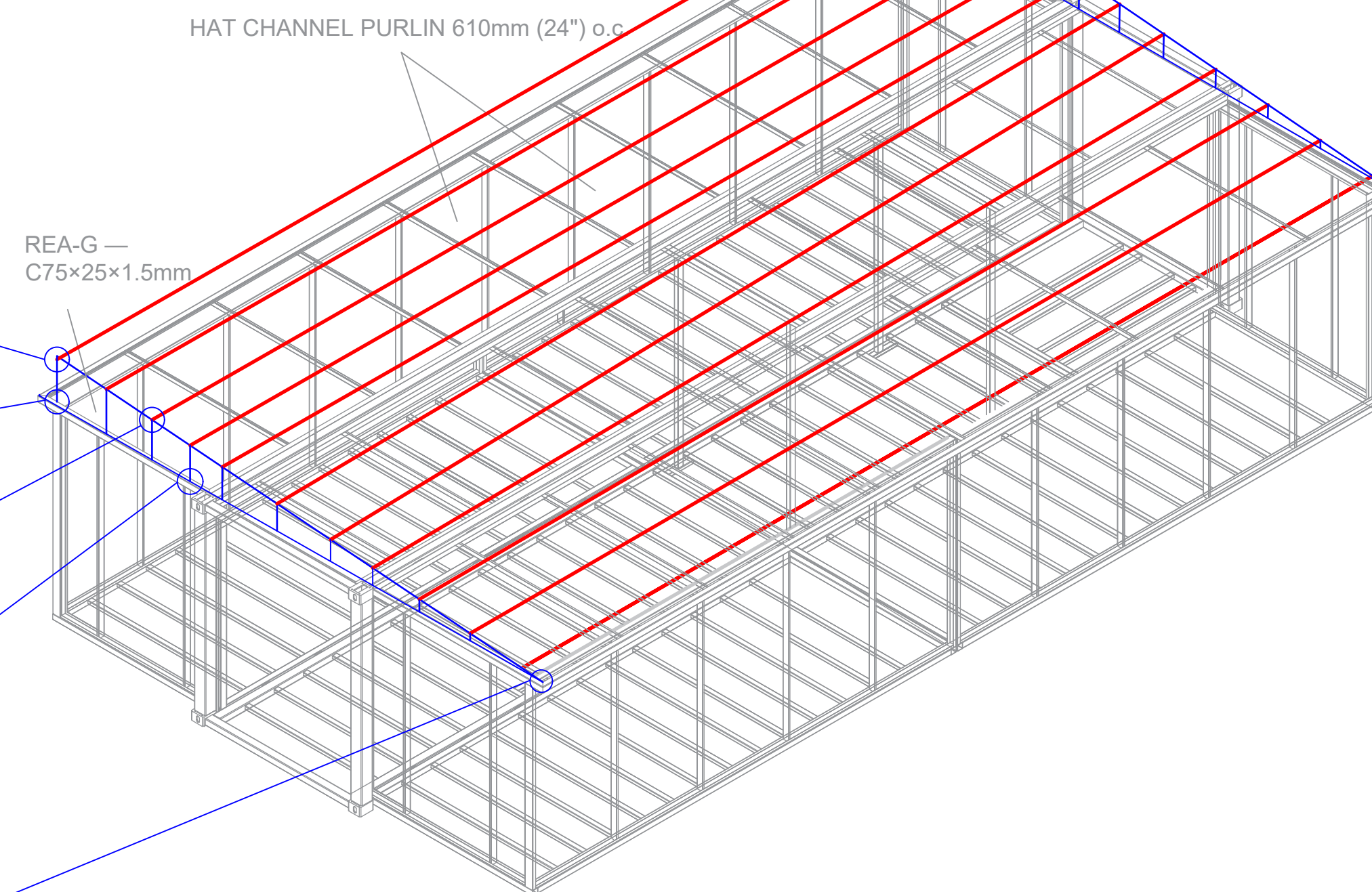
CONNECTION DETAIL-5

CONNECTION DETAIL-4

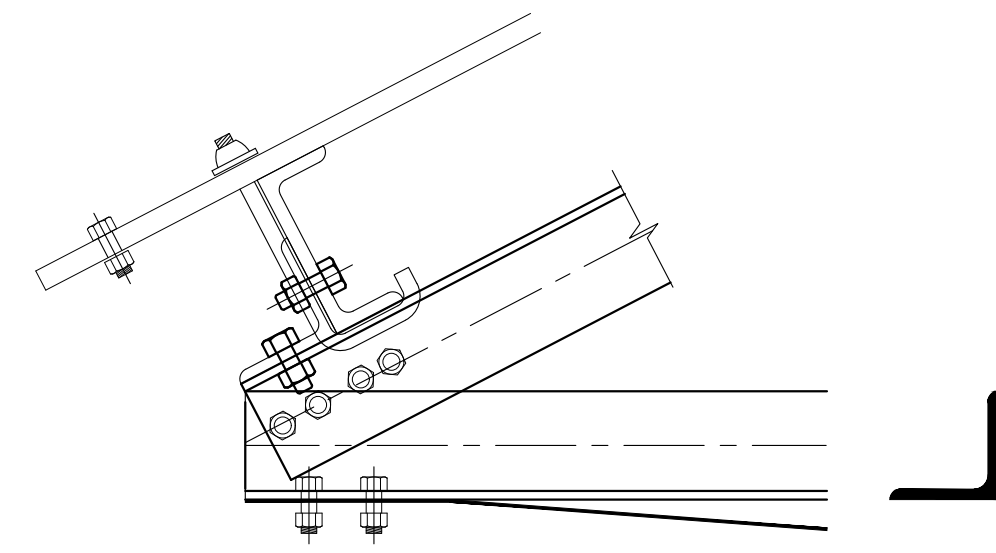
CONNECTION DETAIL-2

CONNECTION DETAIL-3

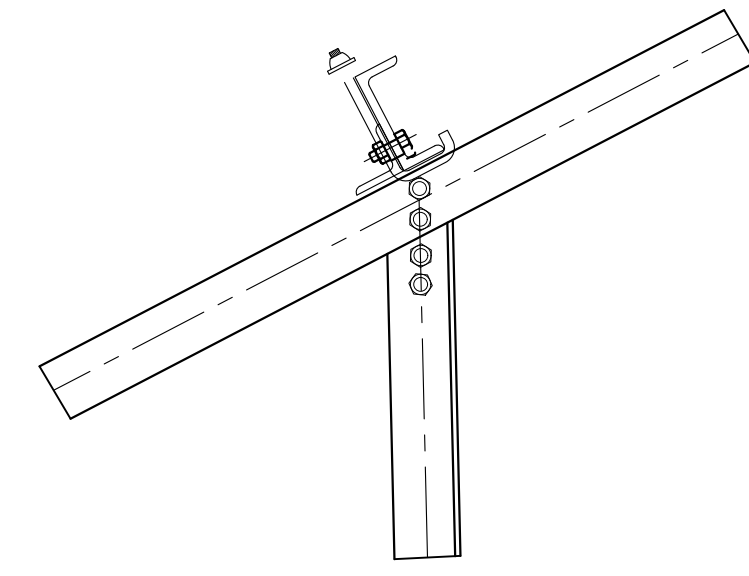
CONNECTION DETAIL-1



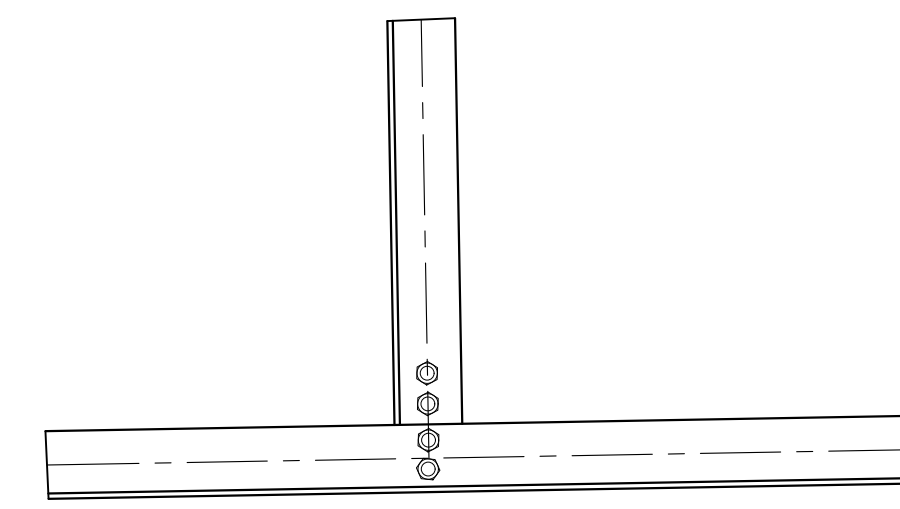
DRAWN LCH-01	2024. 04. 25				
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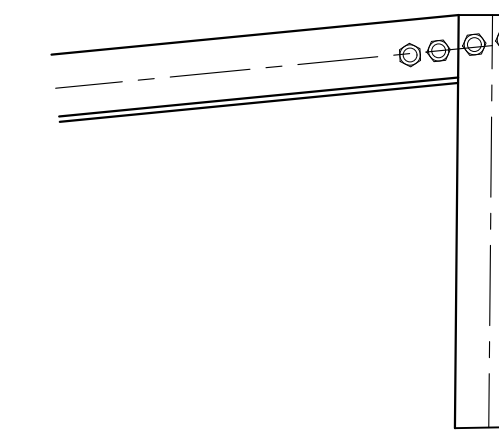
CONNECTION DETAIL-1



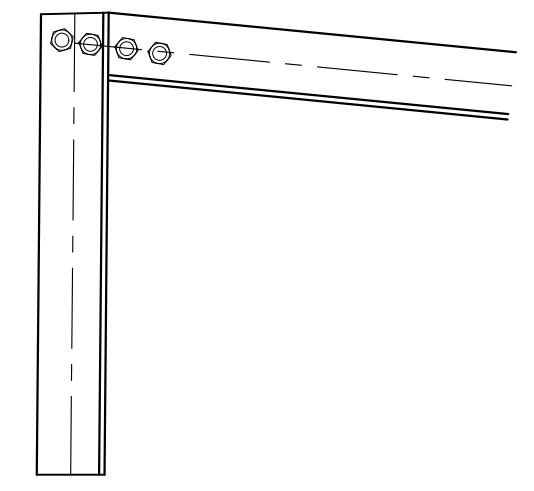
CONNECTION DETAIL-2



CONNECTION DETAIL-3

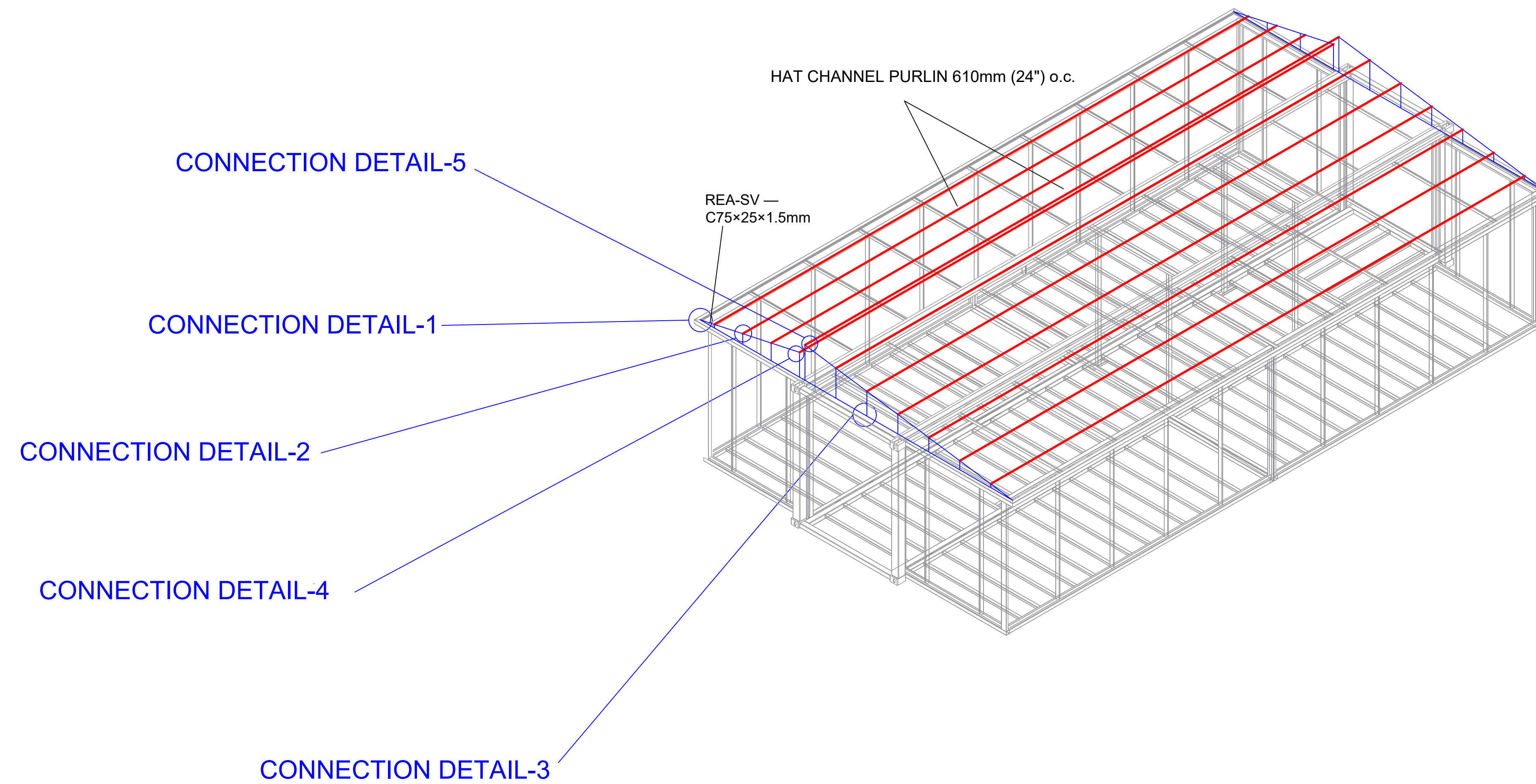


CONNECTION DETAIL-4



CONNECTION DETAIL-5

CONNECTION	FASTENER SPECIFICATION
REA TO REA	Screw, #10-16 x 3/4" Phillips Modified Truss (R/W) Head Self-Drilling Screw, #3 Zinc Plated
REA TO ROOF FRAMING	1/4"-14 x 2" Self-Drilling Screw, Hex Washer Head, Unslotted, w/ Bonded Washer, Zinc Cr+3



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