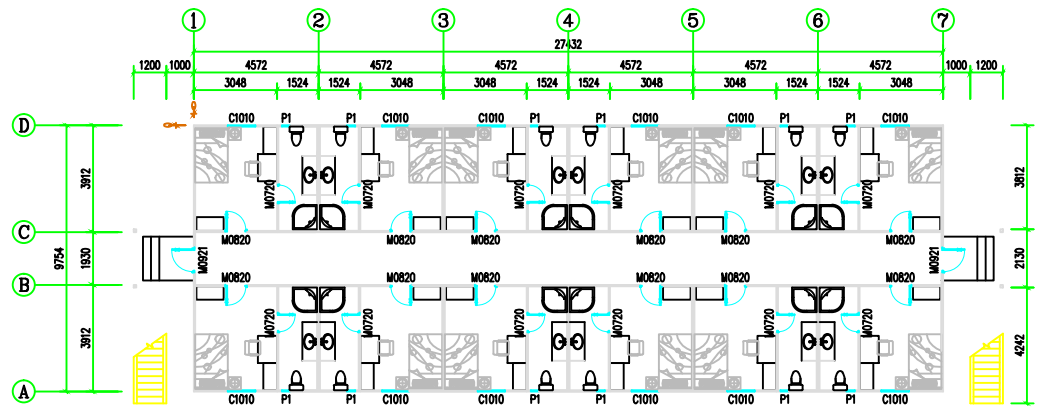
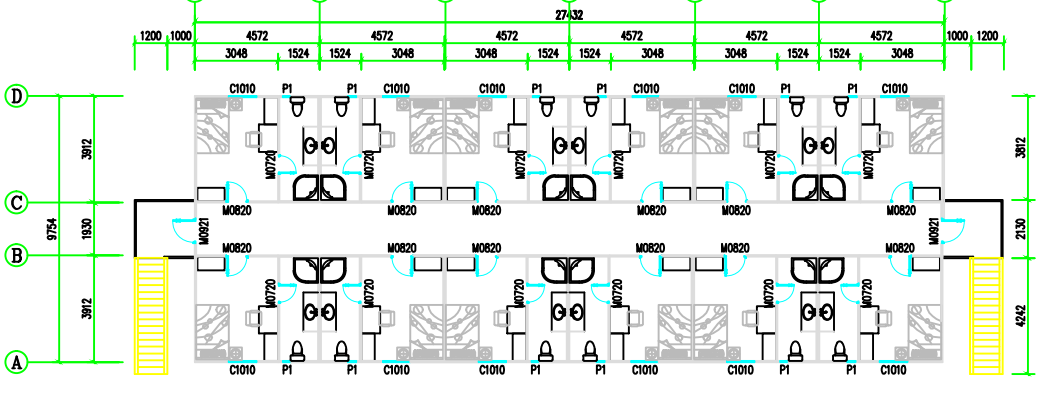


B FIRST FLOOR FURNITURE LAYOUT



B GROUND FLOOR FURNITURE LAYOUT

DOOR AND WINDOW LIST

Type	CODE	Hole size(mm)	QTY	REMARKS
DOOR	M0720	700X2000	24	
	M0820	800X2000	24	
	M0921	900X2100	4	
window	C1010	1000X1000	24	
	P1	300X300	24	Exhaust fan

Code	Description
A	Proceed-No. Comment
B	Proceed-With Comment
C	Do Not Proceed-Revise & Resubmit
D	Cancelled
E	Received as Information

Signature

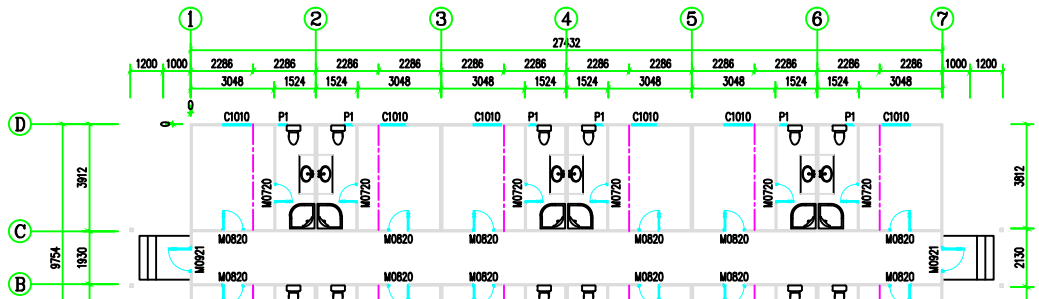
HVAC LIS

REV.	DATE
AOO	25-MAR-19

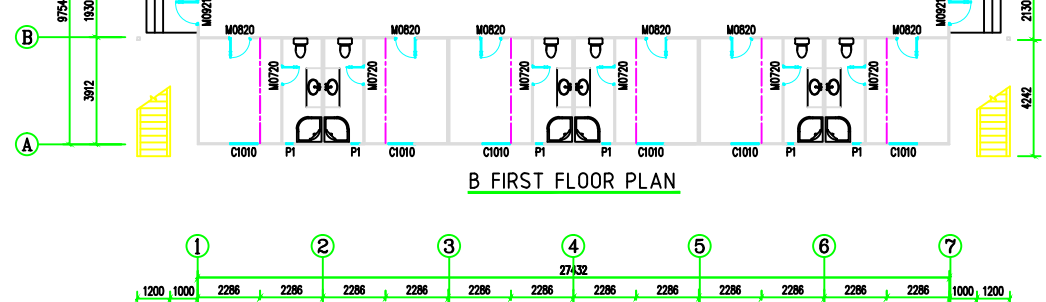
CONTRACT NO. 1157885

COMPANY DRAWING NO. TEP-440-DWG-CU-BP-

CONTRACTOR'S C-NUMBER 1500-TYPE E ACCOMM



B FIRST FLOOR PLAN



B GROUND FLOOR PLAN

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A	Proceed-No Comment
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C	Do Not Proceed-Revise & Resubmit
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DOOR AND WINDOW LIST

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DOOR	M0720	700X2000	24	
	M0820	800X2000	24	
	M0921	900X2100	4	
window	C1010	1000X1000	24	
	P1	300X300	24	Exhaust fan

HVAC LIS

REV.	DATE
ADD	25-MAR-15

REFERENCE DRAWINGS

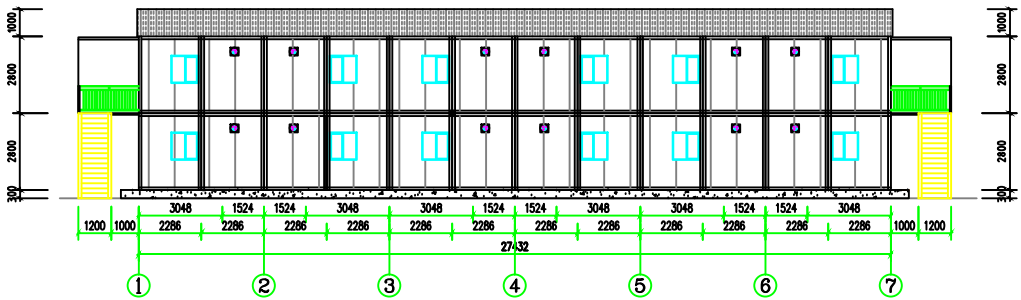
ISSUE FOR T

DWG N

CONTRACT NO. 1157885

COMPANY DRAWING NO. TEP-440-DWG-CU-BP

CONTRACTOR'S C-NUMBER 1500-TYPE E ACCOMM



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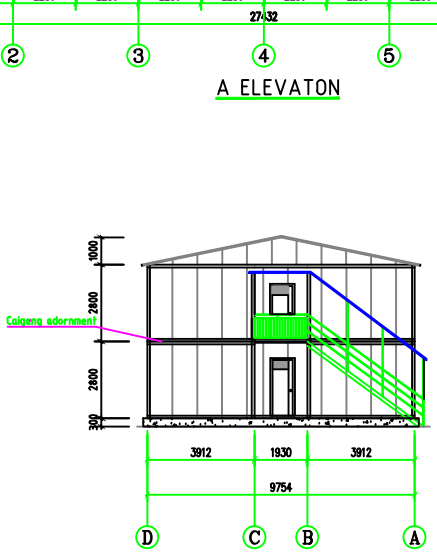

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REV. DATE

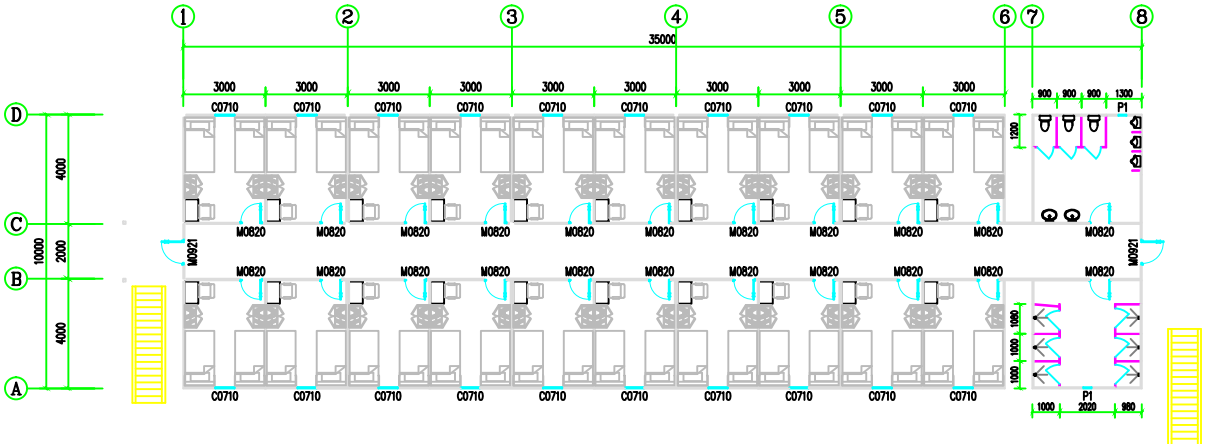
ADD 25-MAR-15 ISSUE FOR

REFERENCE DRAWINGS

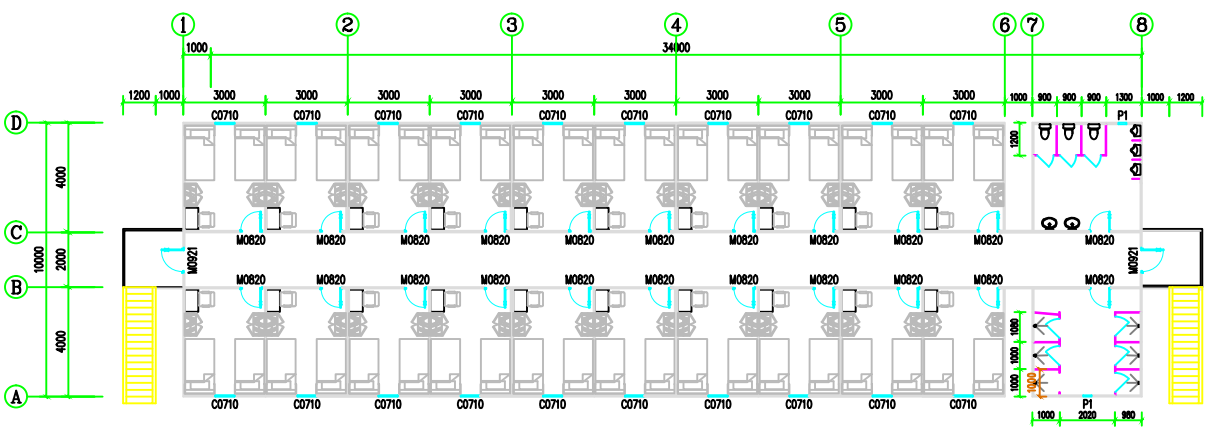
CONTRACT NO.
1157885

COMPANY DRAWING NO.
TEP-440-DWG-CU-BP

CONTRACTOR'S C-NUMBER
1500-TYPE E ACCOMM



D FIRST FLOOR FURNITURE LAYOUT



D GROUND FLOOR FURNITURE LAYOUT

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	A	Pressed-No. Comment
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DOOR AND WINDOW LIST

Type	CODE	Hole size(mm)	QTY	REMARKS
DOOR	M0820	800X2000	16	
	M0921	900X2100	2	
window	C0710	700X1000	28	
	P1	300X300	2	Exhaust fan

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Type	CODE	Hole size(mm)	QTY	REMARKS
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window	C0710	700X1000	28	
	P1	300X300	2	Exhaust fan

HVAC LIS

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REV.	DATE
A00	25-MAR-15

ISSUE FOR T

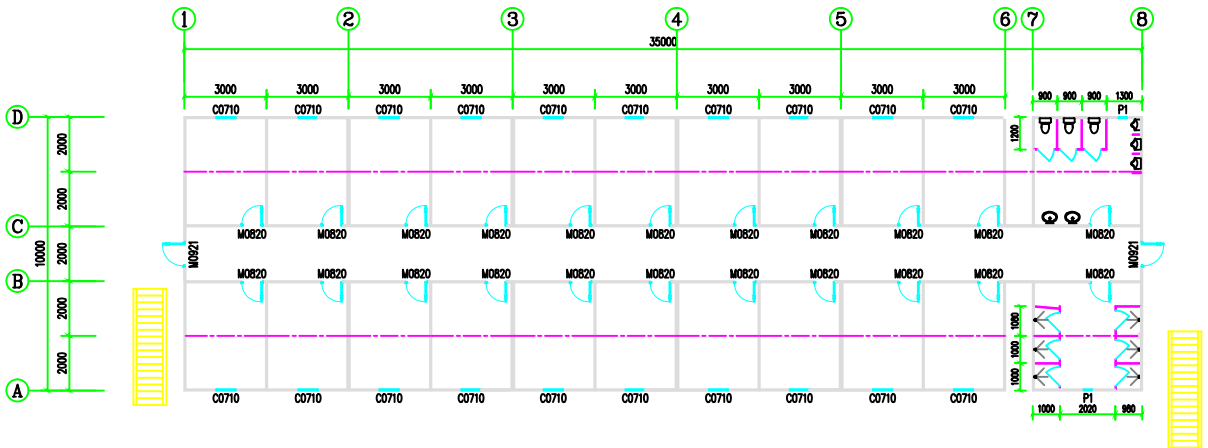
REFERENCE DRAWINGS

DWG NO

CONTRACT NO.
1157885

COMPANY DRAWING NO.
TEP-440-DWG-CU-BP4

CONTRACTOR'S C-NUMBER
1500-TYPE E ACCOMM



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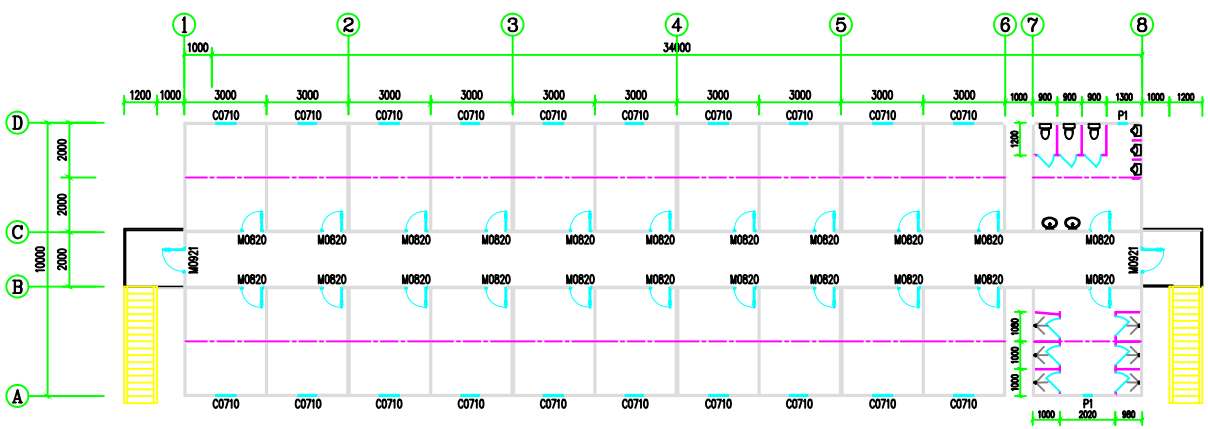

D GROUND FLOOR PLAN

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HVAC LIS

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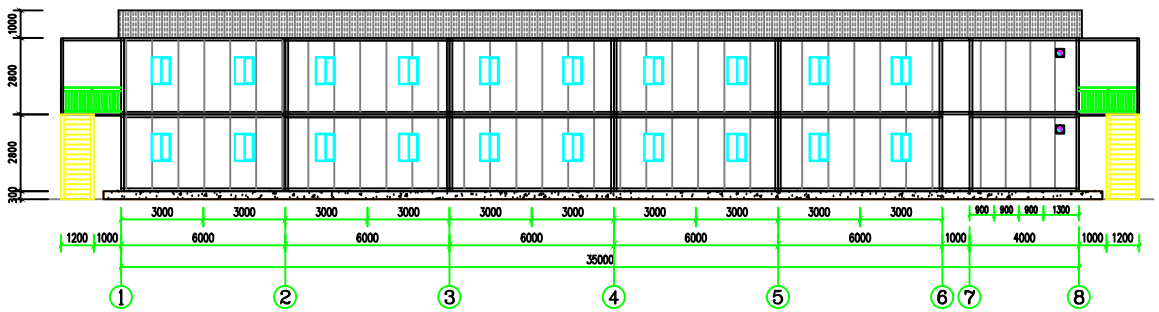
A00	25-MAR-15

CONTRACT NO. 1157885

COMPANY DRAWING NO. TEP-440-DWG-CU-BP4

CONTRACTOR'S C-NUMBER 1500-TYPE E ACCOMM



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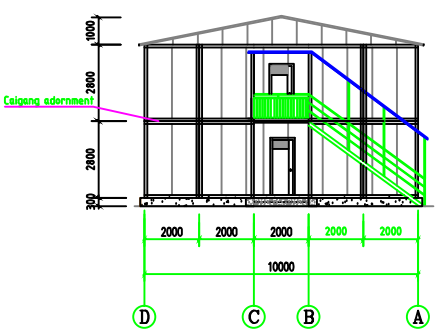

1, 8 ELEVATON

Code	Description
A	Pressed-No Comment
B	Pressed-With Comment
C	Do Not Proceed-Revise & Resubmit
D	Cancelled
E	Received as Information

Signature

HVAC LIS

3	W (3,
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REV. DATE

A00 25-MAR-15 ISSUE FOR R

REFERENCE DRAWINGS

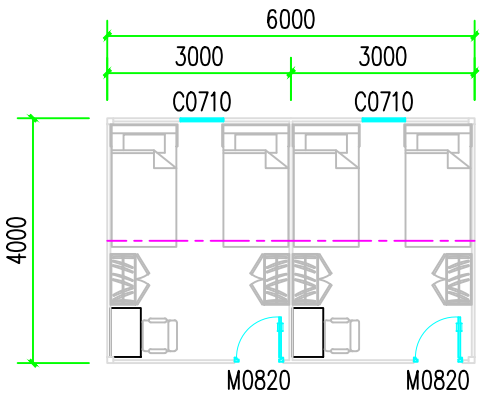
DWG NO

AC

CONTRACT NO.
1157885

COMPANY DRAWING NO.
TEP-440-DWG-CU-BP4

CONTRACTOR'S C-NUMBER
1500-TYPE E ACCOMM



D PLAN

HVAC LIS

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A	Proceed-No Comment
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C	Do Not Proceed-Revise & Resubmit
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CONTRACT NO.
1157885

COMPANY DRAWING NO.
TEP-440-DWG-CU-BP

CONTRACTOR'S C-NUMBER
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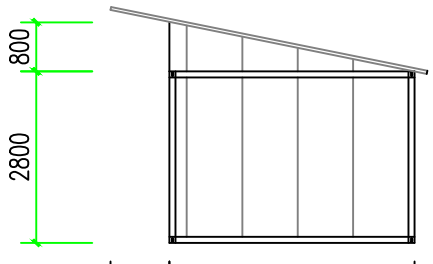
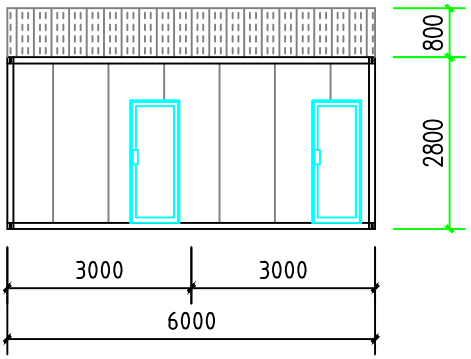


elevation Side



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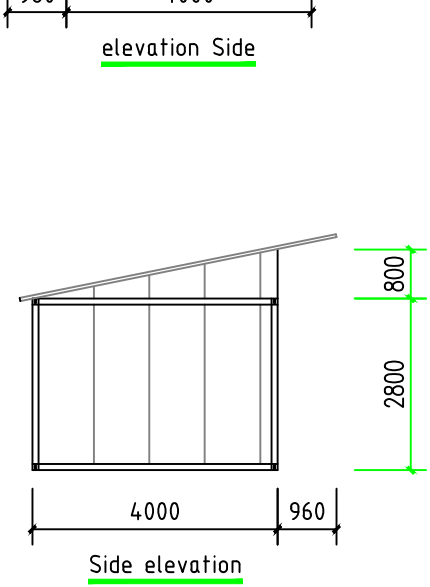
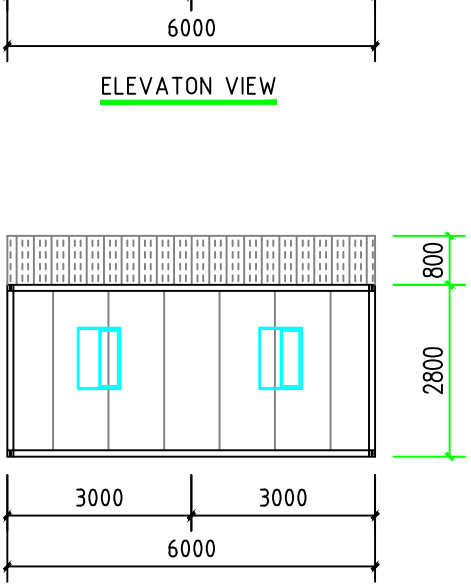


Side elevation



Rear elevation

Code	Description
A	Proceed-No Comment
B	Proceed-With Comment
C	Do Not Proceed-Revise & Resubmit
D	Cancelled
E	Received as Information

Signature

HVAC LIS

3	W (3
4.5	W (4
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REV.	DATE
A00	25-MAR-15

REFERENCE DRAWINGS

ISSUE FOR T

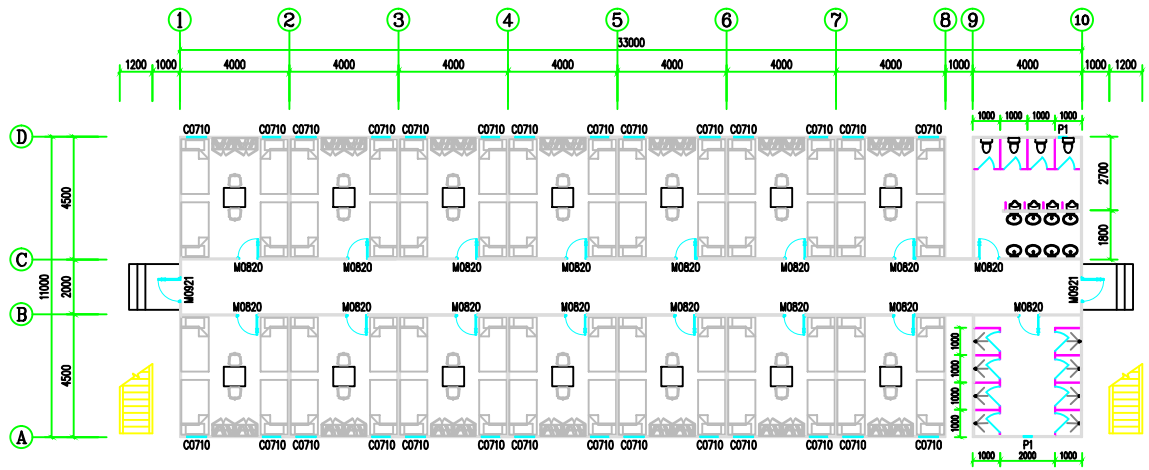
DWG N

AC

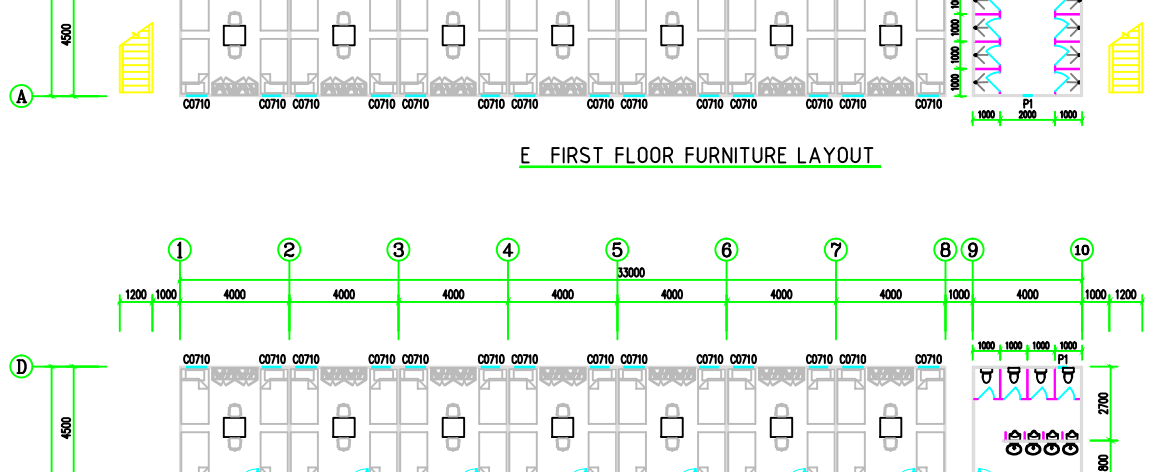
CONTRACT NO. 1157885

COMPANY DRAWING NO. TEP-440-DWG-CU-BP-

CONTRACTOR'S C-NUMBER 1500-TYPE E ACCOMM



E FIRST FLOOR FURNITURE LAYOUT



E GROUND FLOOR FURNITURE LAYOUT

Code	Description
A	Passed-No Comment
B	Passed-With Comment
C	Re Not Passed-Revise & Resubmit
D	Cancelled
E	Received as Information

Signature

DOOR AND WINDOW LIST

Type	CODE	Hole size(mm)	QTY	REMARKS
DOOR	M0820	800X2000	32	
	M0921	900X2100	4	
window	C0710	700X1000	56	
	P1	300X300	4	Exhaust fan

HVAC LIS

3	W (3
4.5	W (4
6	W (6,
	E

REV. DATE

ADD 25-MAR-15 ISSUE FOR T

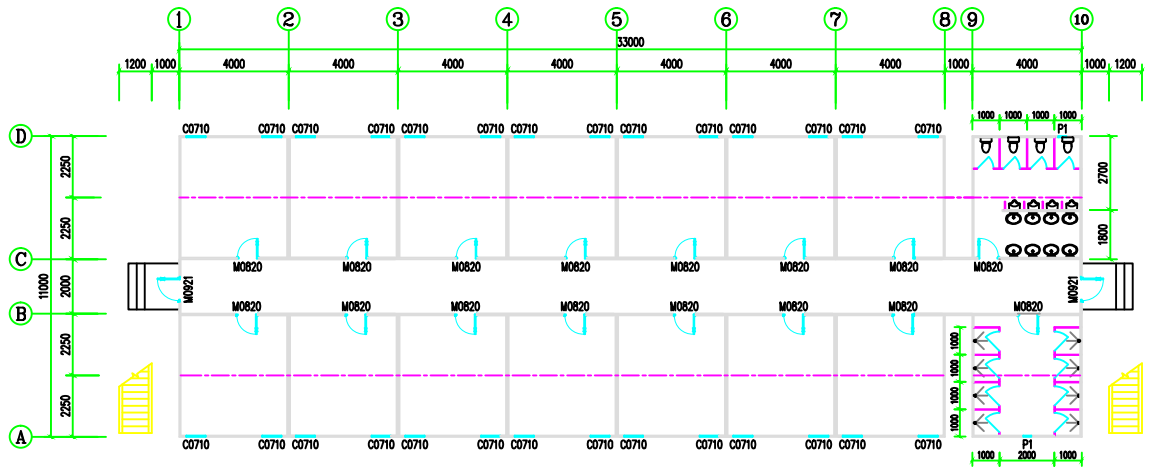
REFERENCE DRAWINGS

DWG NO

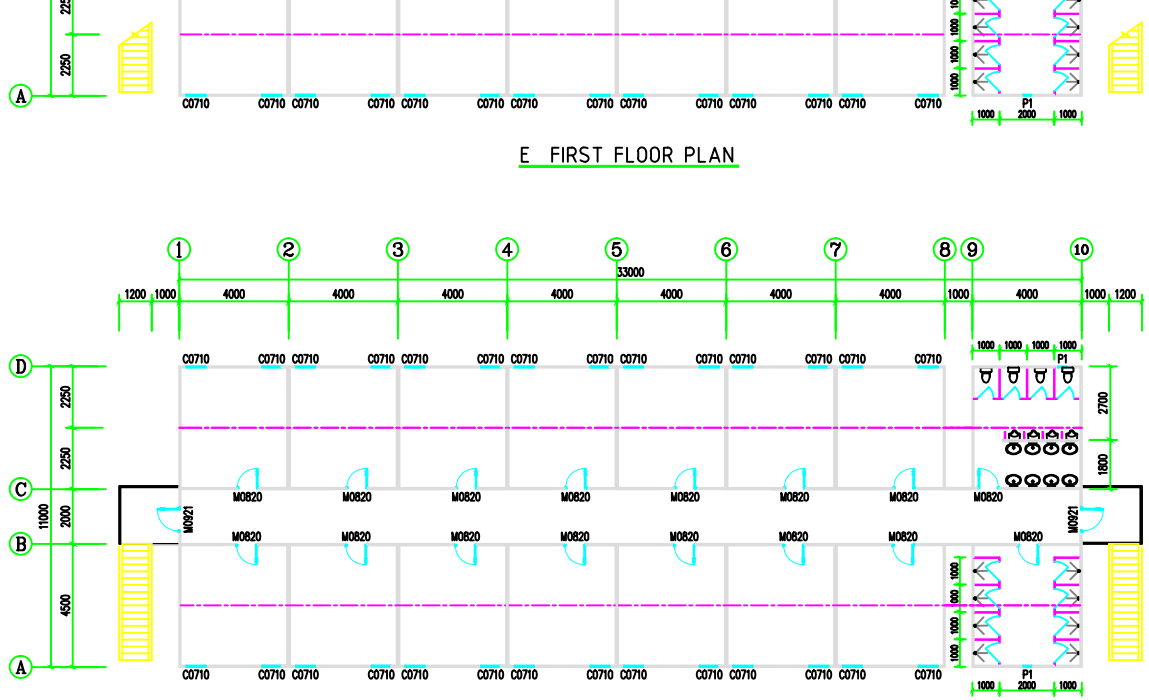
CONTRACT NO. 1157885

COMPANY DRAWING NO. TEP--440-DWG-CU-BP-

CONTRACTOR'S C-NUMBER 1500-TYPE E ACCOMM



E FIRST FLOOR PLAN



E GROUND FLOOR PLAN

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window	C0710	700X1000	56	
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3	W (3
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6	W (6,
	E

REV.	DATE
A00	25-MAR-15

ISSUE FOR R

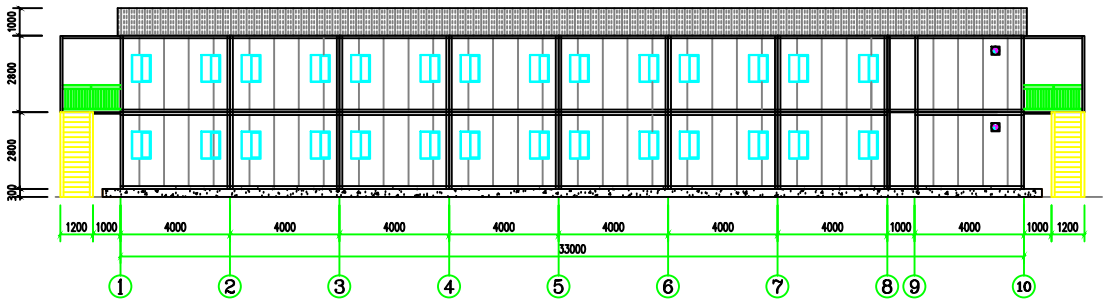
REFERENCE DRAWINGS

DRG NO

CONTRACT NO. 1157885

COMPANY DRAWING NO. TEP--440--DWG--CU--BP-

CONTRACTOR'S C-NUMBER 1500-TYPE E ACCOMM



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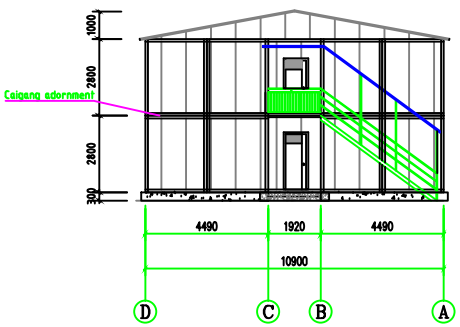

1, 10 ELEVATON

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	A	Proceed-No Comment
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	C	Do Not Proceed-Revise & Resubmit
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REV.	DATE	
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REFERENCE DRAWINGS

DWG NO

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CONTRACT NO.
1157885

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TEP-440-DWG-CU-BP-

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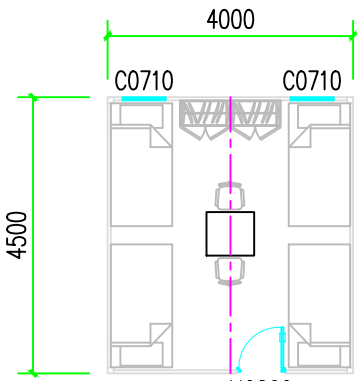
1500-TYPE E ACCOMM



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CONTRACT NO.
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TEP-440-DWG-CU-BP4

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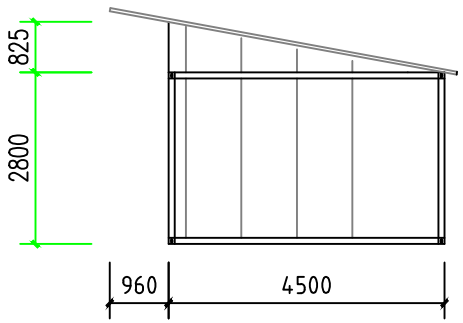
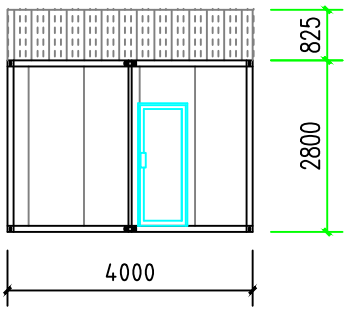
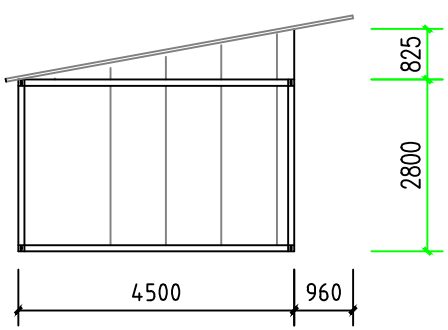


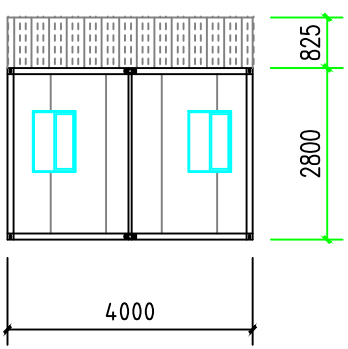
Elevation Side



Elevationj View



Side elevation



Rear elevation

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Signature

HVAC LIS

3 WI (3,

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EX

REV. DATE

A00 25-MAR-15 ISSUE FOR RE

REFERENCE DRAWINGS

DWG NO.

AC

CONTRACT NO. 1157885

COMPANY DRAWING NO. TEP-440-DWG-CU-BP4

CONTRACTOR'S C-NUMBER 1500-TYPE E ACCOMM

Architectural Design, Maintenance Instructions

一、Architectural design description

1、general situation

1.1 This project located in Indonesia for an accommodation camp.inccluding A、B、C、D、 E five types, this is for Type B building

1.2 This is an accommodation building for 24 person, height of the ground floor is 0.406 m, height of the ground floor is 2.602 m，net height is 2.315 m, overall height of this building is 7.340 m。building area for the ground floor is 255.2 m2，total is 510.4 m2（overall），height of gutter is 5.432 m，roof pitch is 18 %。this is a steel structure building

1.3 This building is built by sandwich panel + steel frames and alu. post. 50mm PU sandwich wall panel, roof system consists corrugrated roof panel + LGS roof structure + purlin, it's a two floors prefab building

1.4 Designed life span for this building is 8 years

2.Design elevation

2.1 The Buidling elevation ±0.000 is ground height outdoor

2.2 The unit for building elevation is meter, building area is square meter, others are millimeter

3. Design standards

3.1 Major laws and standards adopted by architectural design:
Apply to SNI,
Apply to the campany's standard:

《ICC-IBC-2012》
《Construction site & office code 440-SPE-CV-WP1-1006》

二、Strucutre design description

2.Loadings;

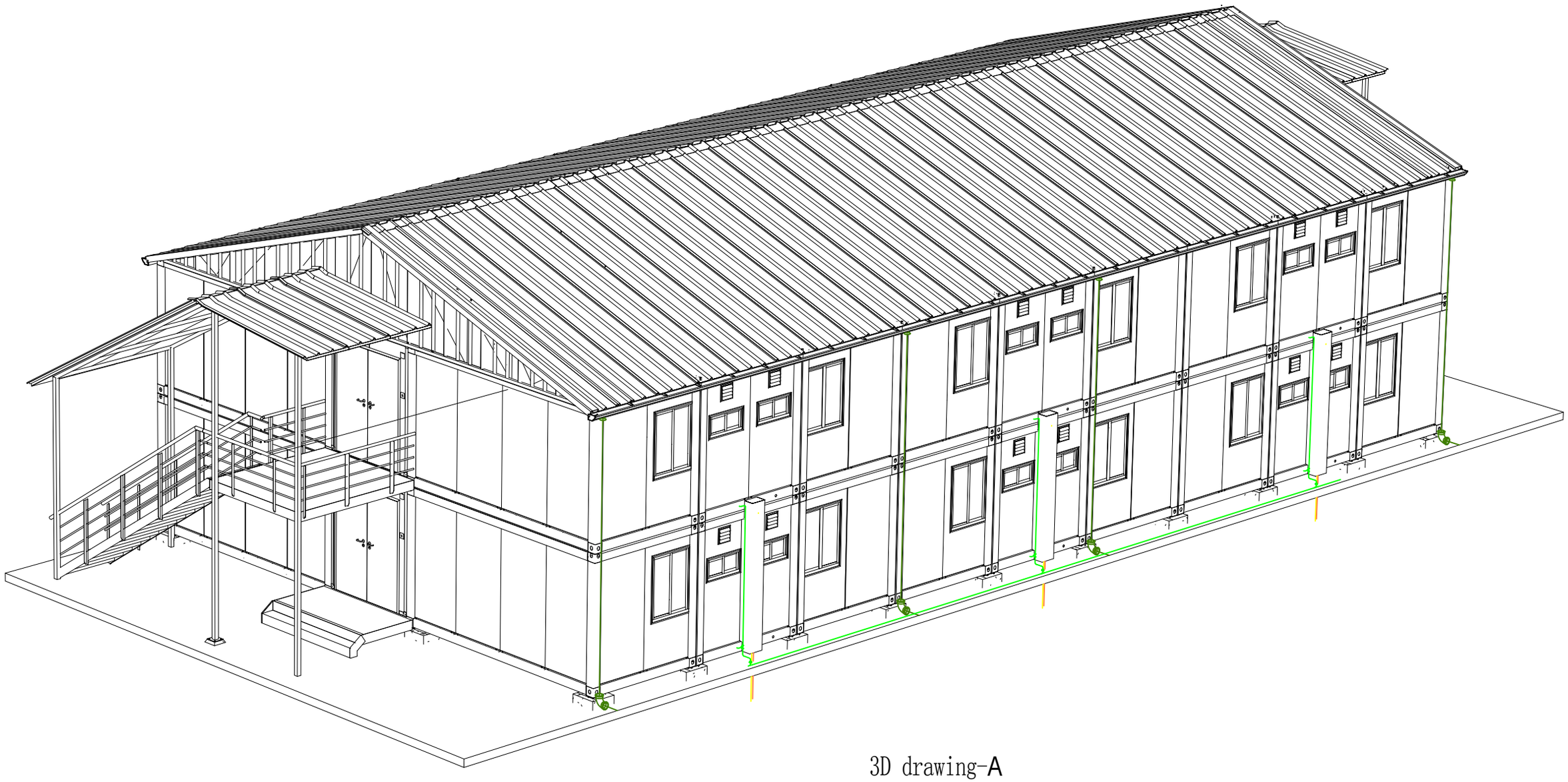
Window load; 0.5 kN/m2
Snow load; 0 kN/m2
Seimic; 8 degree
Walkway loading; 3.5 kN/m2
Bedrooms loading; 2 kN/m2
Washroom loading; 2kN/m2
Roof loading; 0.5 kN/m2

3.The structural design shall be designed and constructed in accordance with the existing international steel structure codes related to this project and the provisions of the owner and Party A:
《American Institute of Steel Construction》

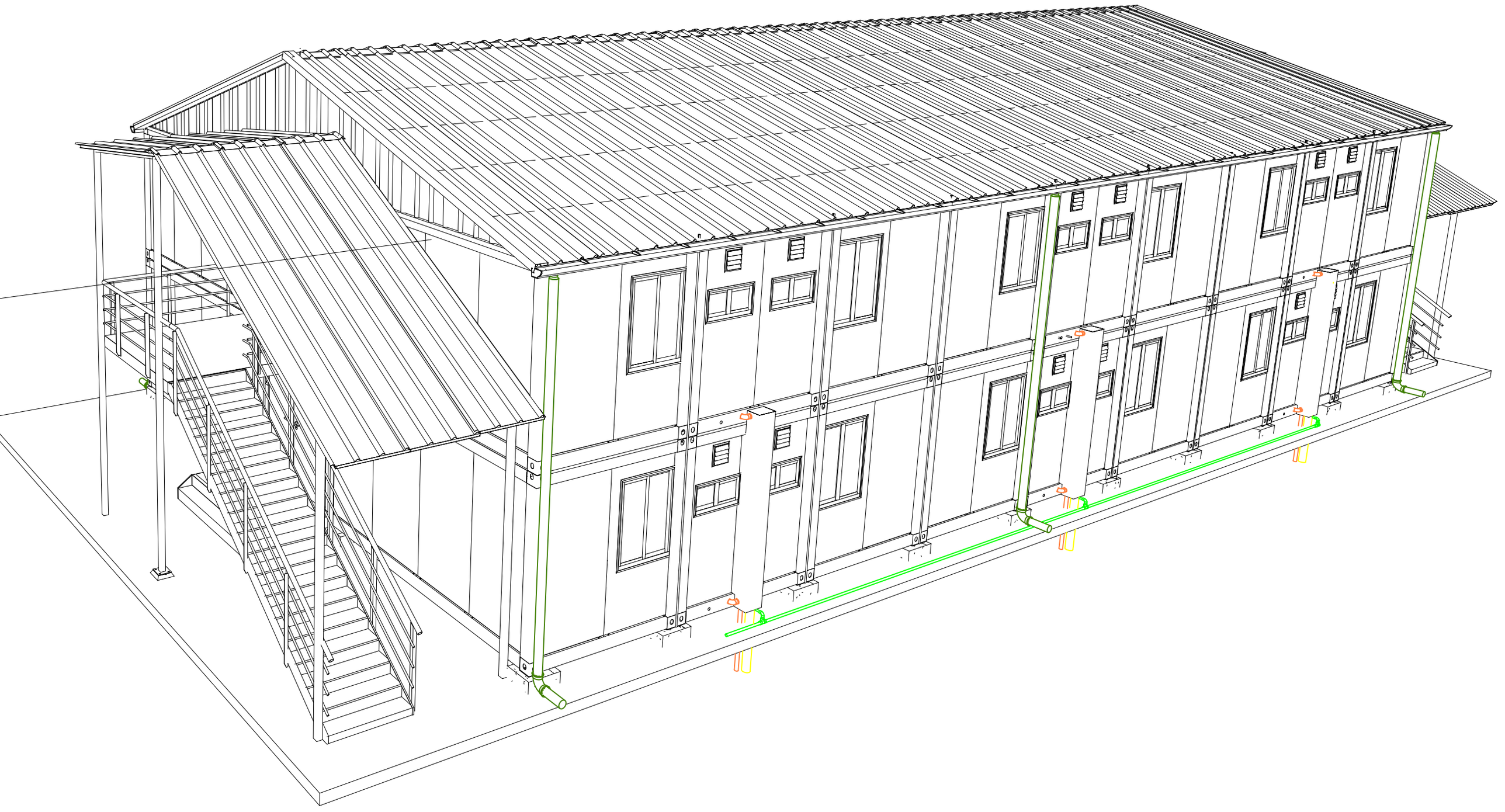
4.This building is combined by 24 signle flatpack units as main structure, use light gauge steel for roof system, use diffusion base as foundation.

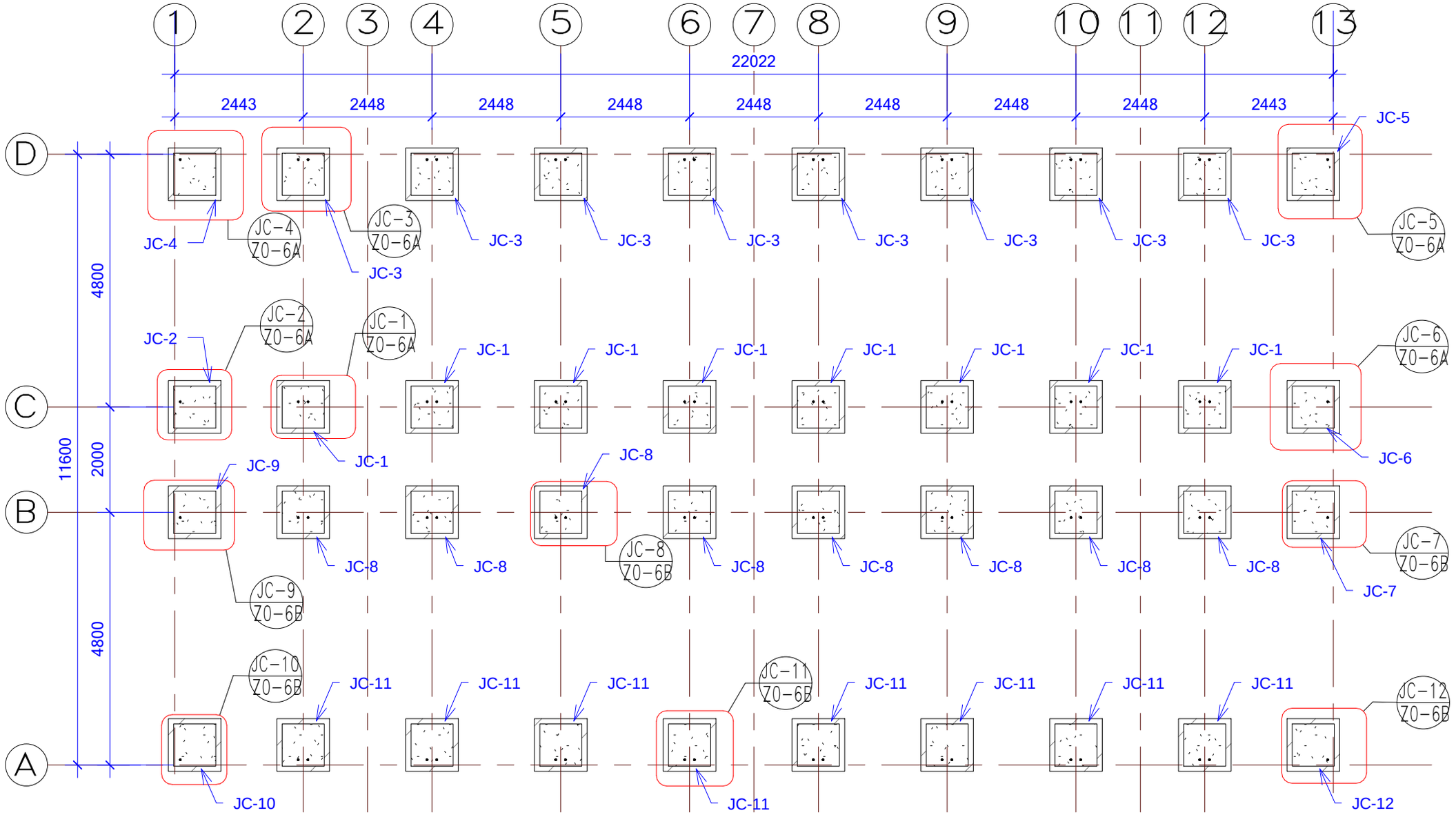
Use, maintenance instructions;

1. Steel is the main material for the structure and wall system, Do not use any corrosive liquid to them to shorten the service life because of corrosion
2. Sandwich panel for wall, core material are EPS and PU so to avoid high temperature objects and fire close to the wall, in case of melting or burning of internal core material。Pay special attention to the flame in the kitchen, stove must maintain sufficient distance and effective quarantine measures to prevent the high temperature and flame caused by internal core.
3. To avoild sharp objects hit or scrach the paintings on the metal surface, maintenance and repair in time to protect from corrosion in order to keep regular service life and appearance.
4. Do not hang heavy thing on roof ceiling or wall cause they are made by sandwich panel. hang the AC and water heater on the structure.
5. When install solar panel on roof, use purlin and U profile on top of the wall to bear the load. do not put heavy things such aswater tank on the roof.
6. Steel materials are used for wall and roof system,to avoild electricity, any electrial cable lay on them mush be double insolated. the building must be well connected with the earth to protect from lightning and leakage of electricity
7. To avoild leakage, use silicon to seal the joints between wall panels, between wall panels with U profile on the bottom especially in the washroom and kitchen area.

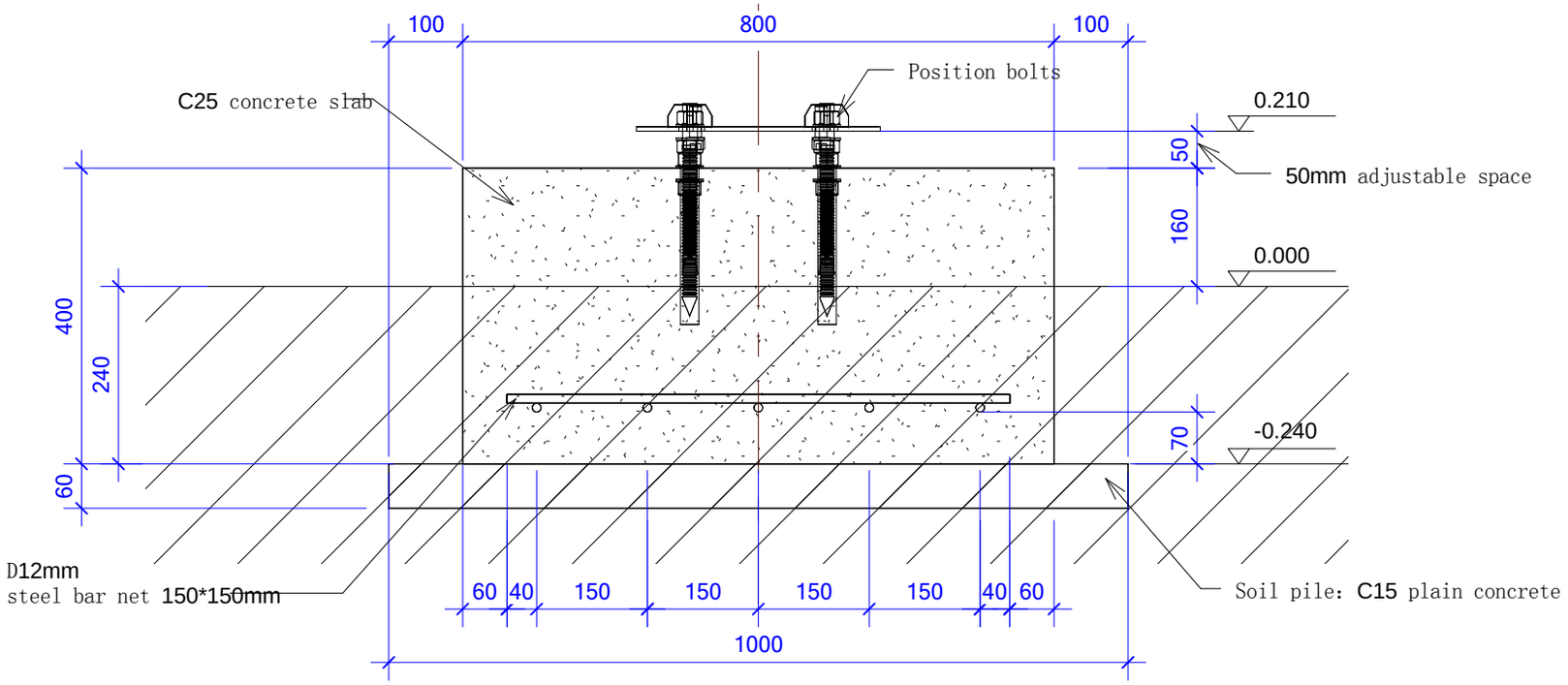


3D drawing-A

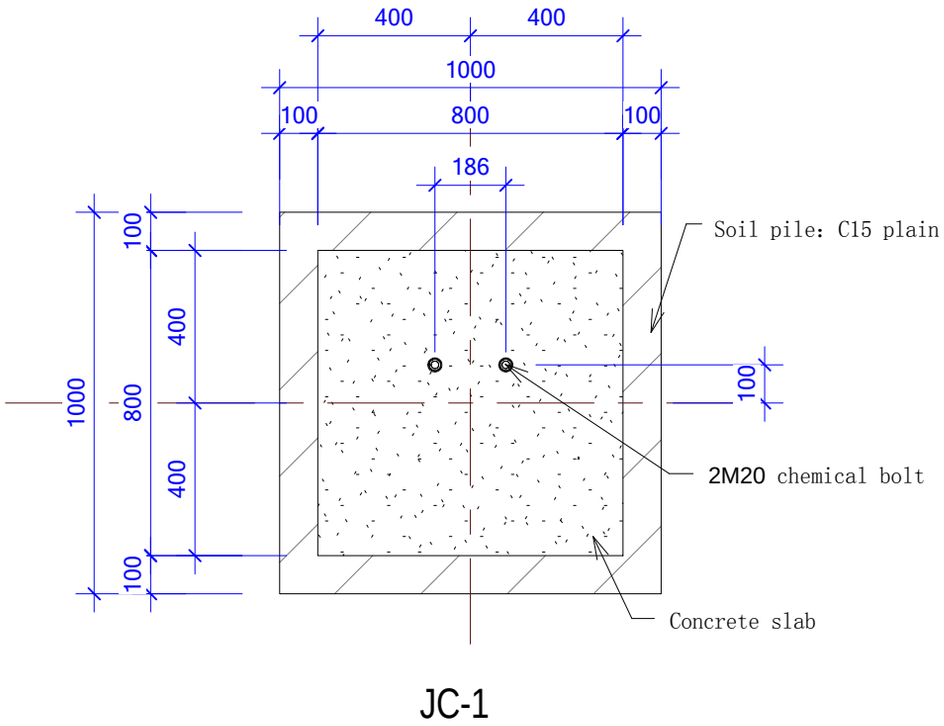




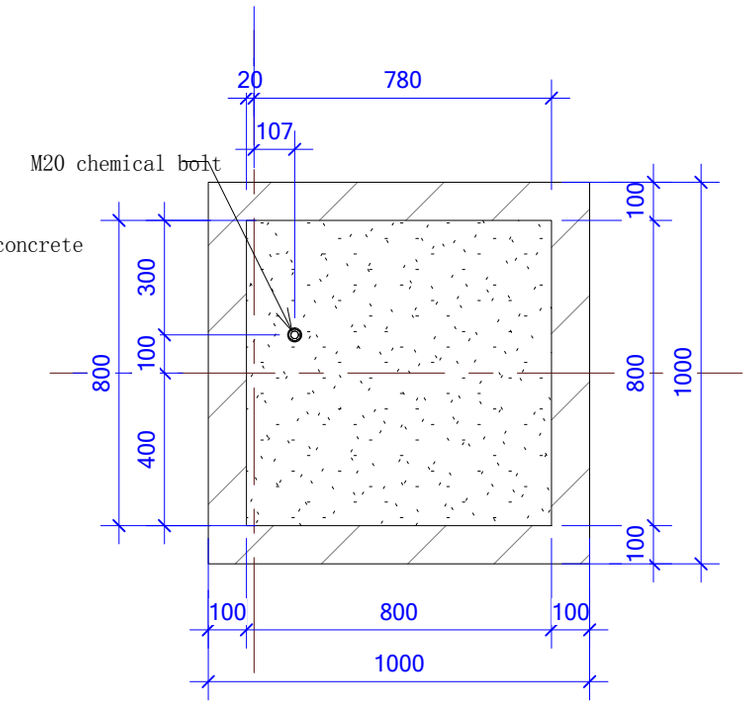
Foundation layout



Foundation section



JC-1



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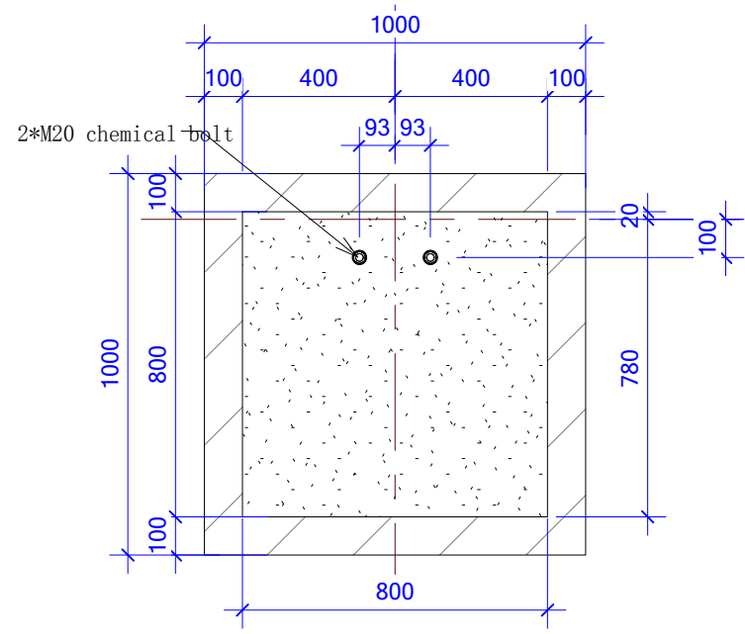

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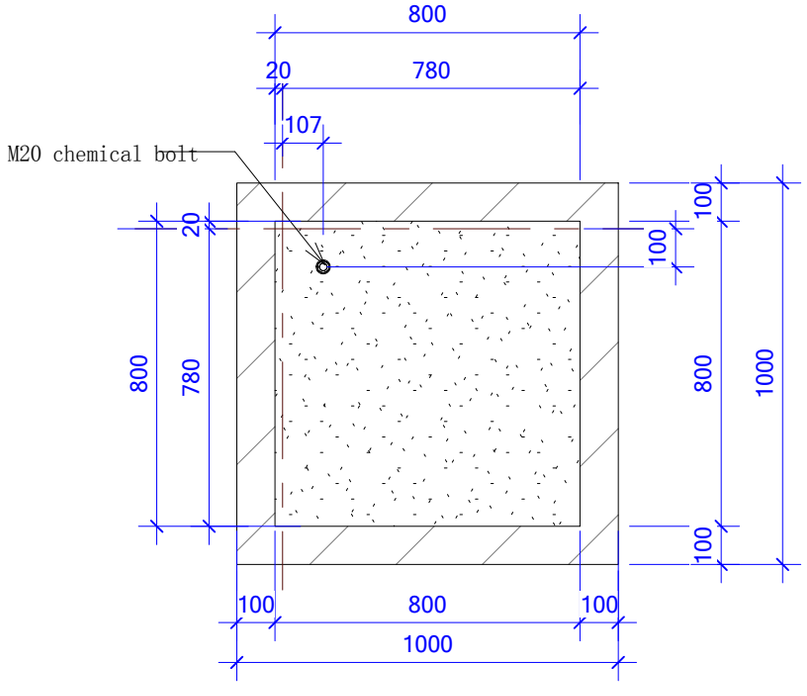

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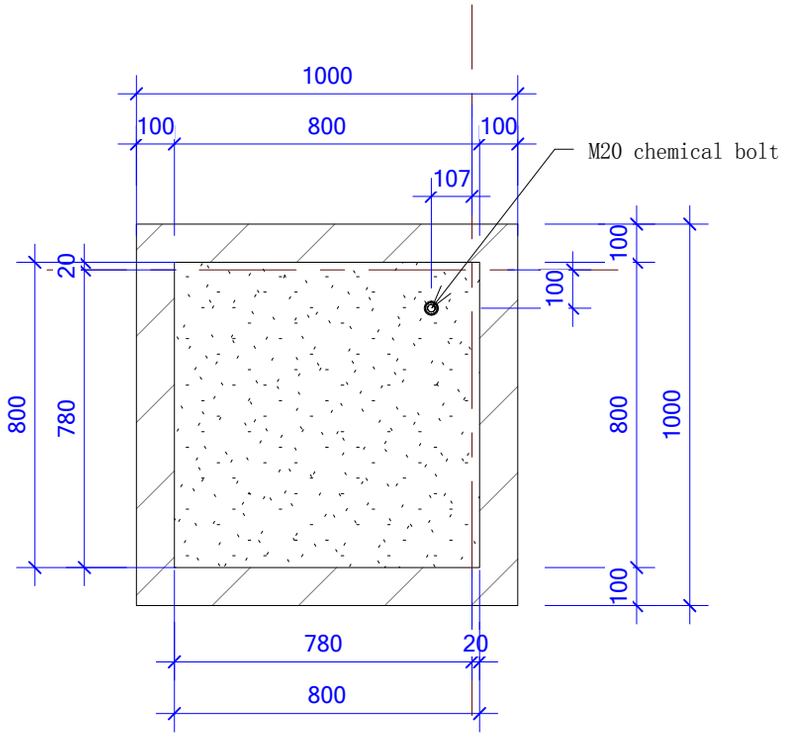

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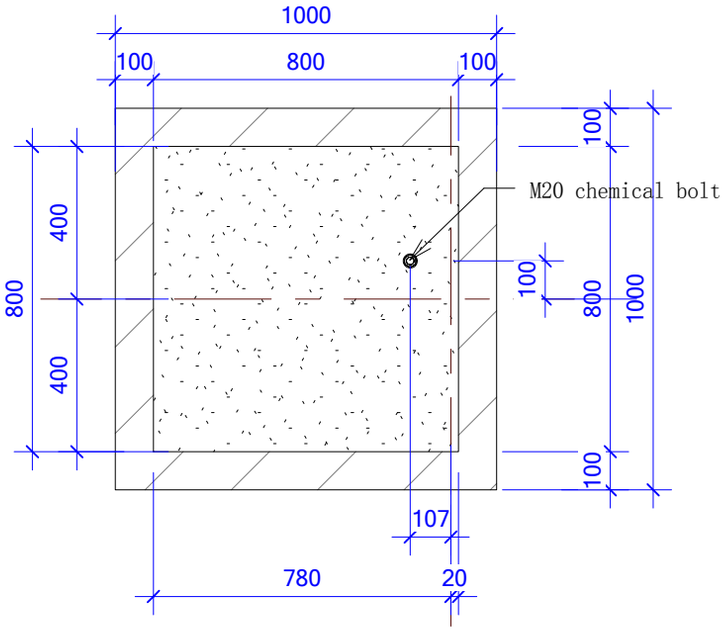

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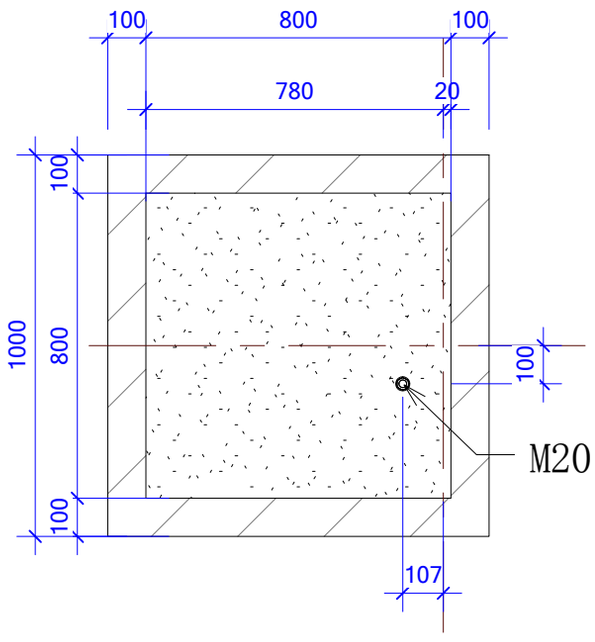

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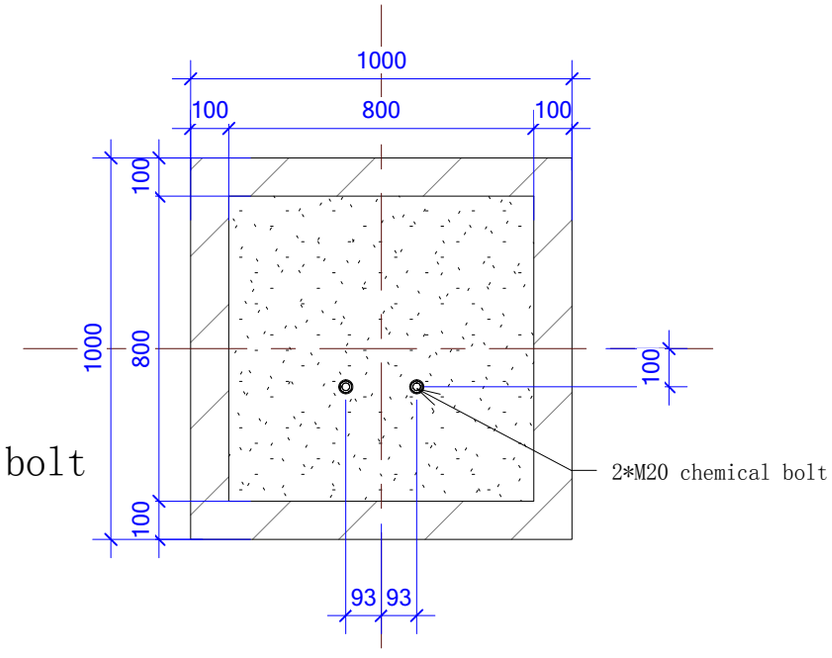
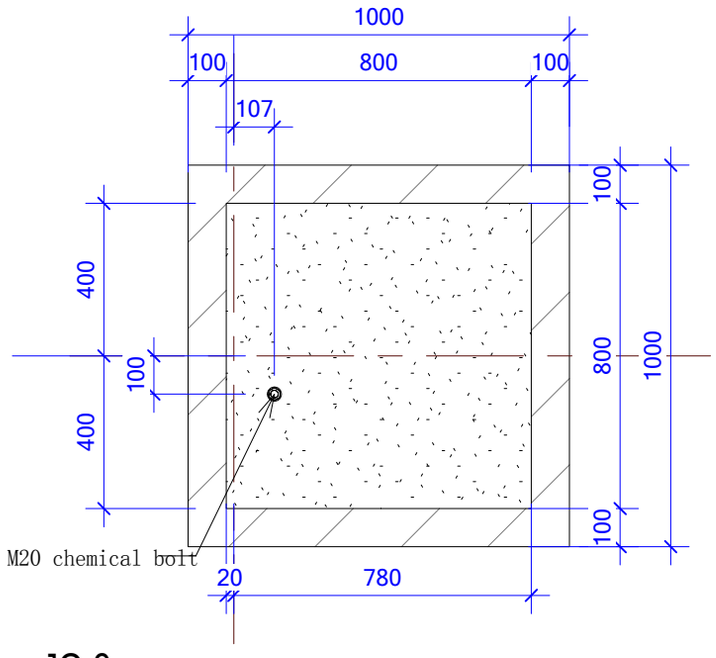
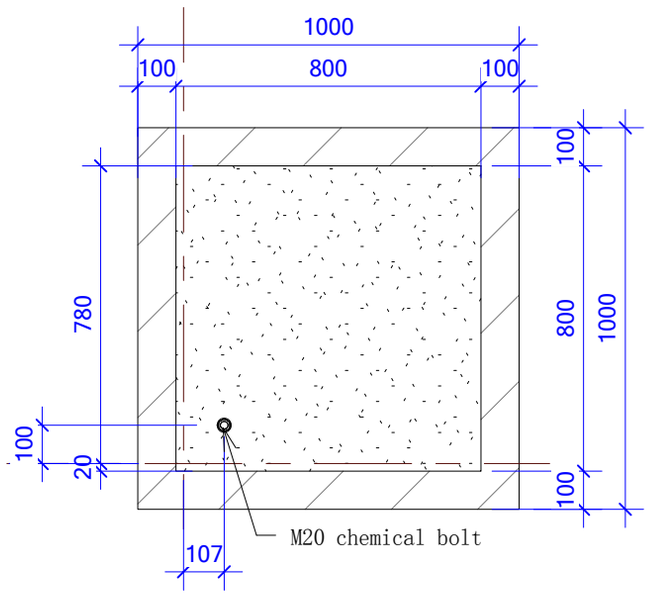


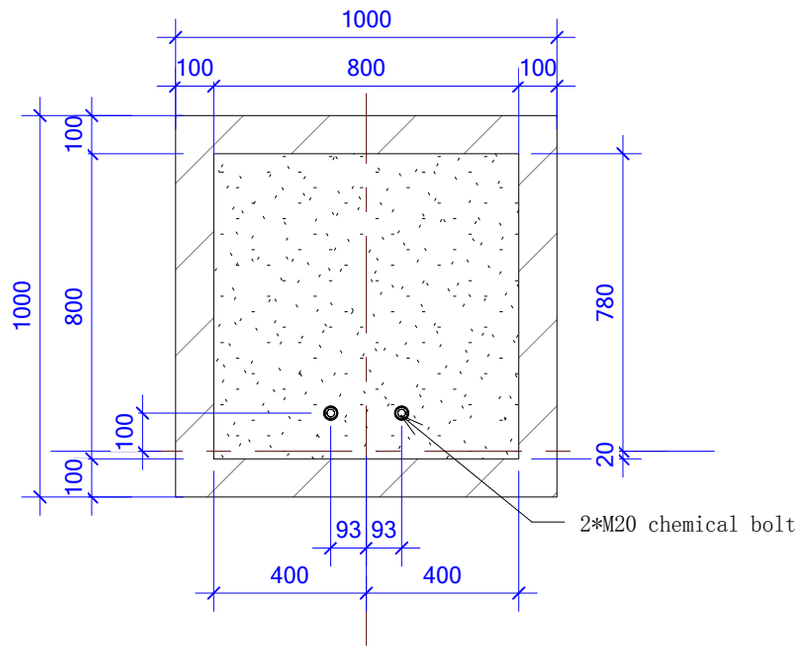
JC-8



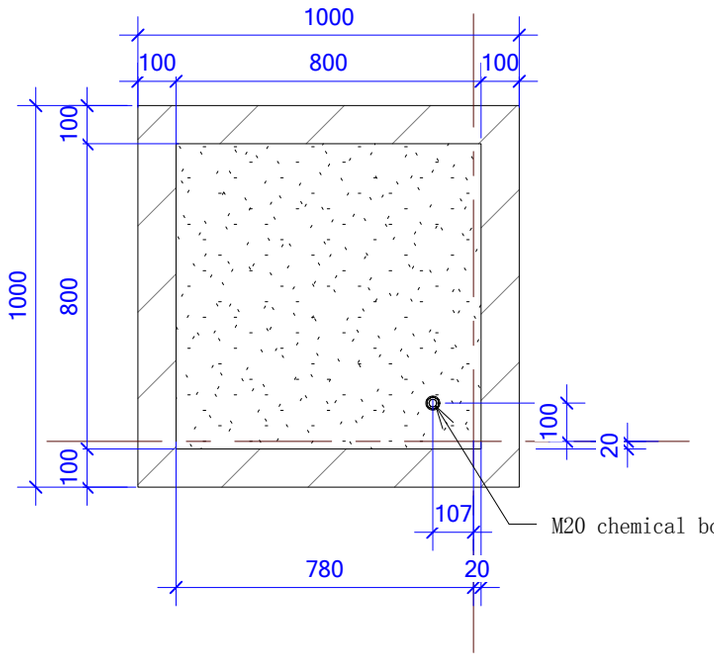
JC-9



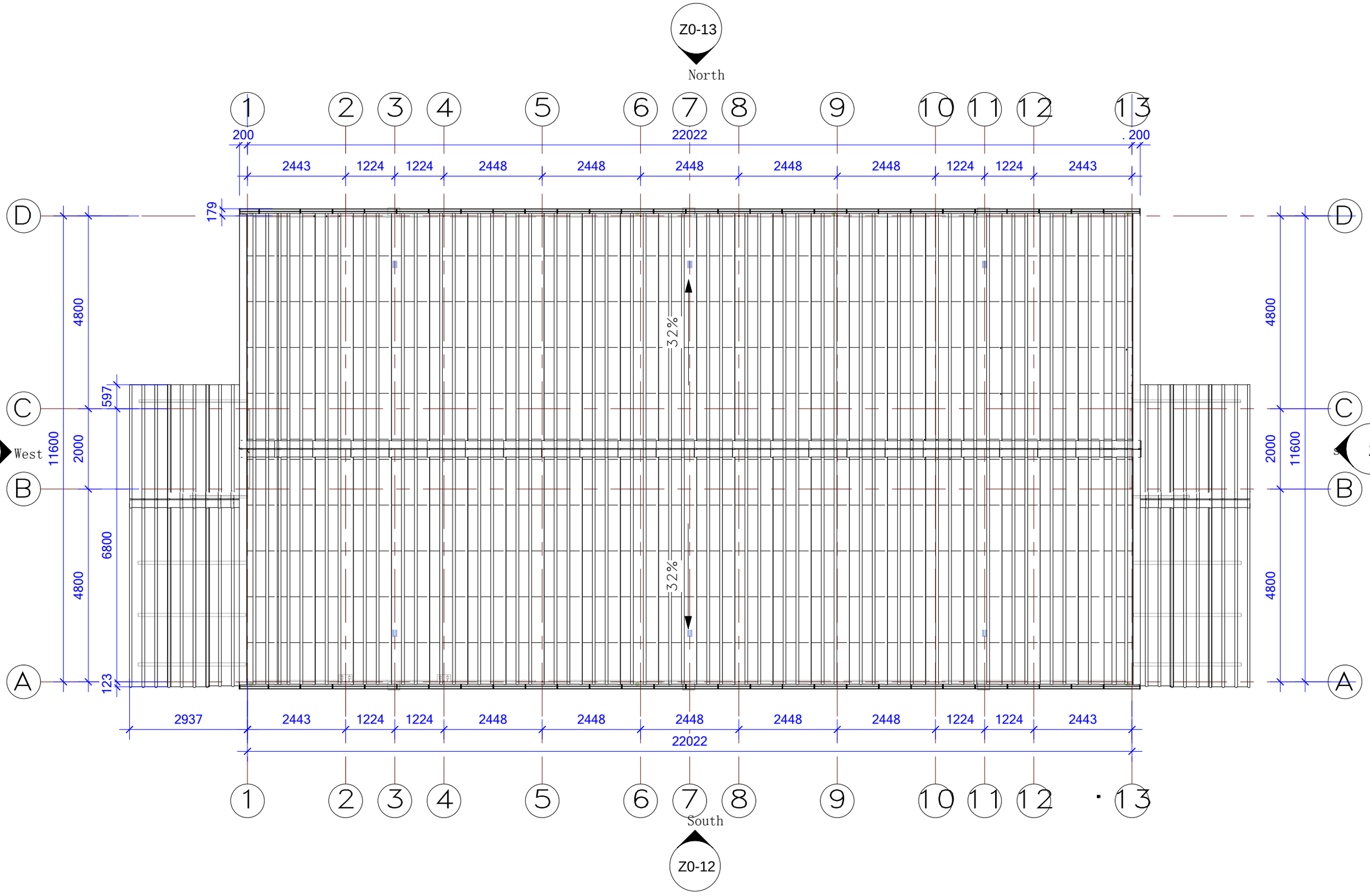
JC-10



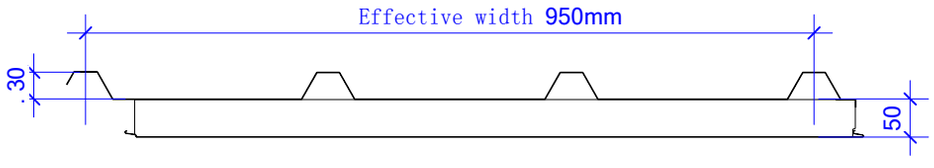
JC-11



JC-12

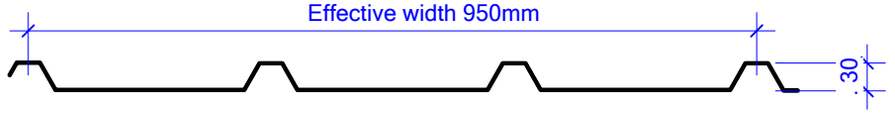


Roof layout



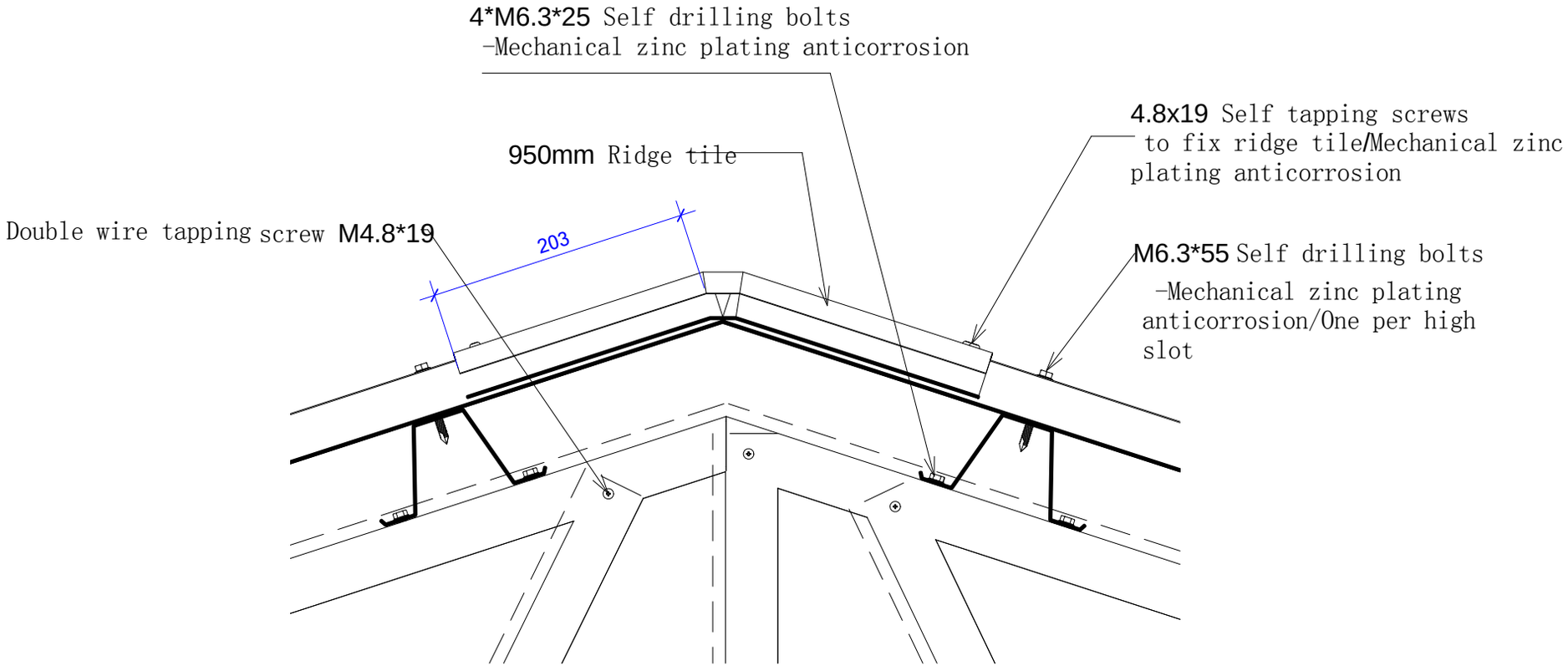
50mm EPS sandwich panel

Panel for canopy: 50mm EPS sandwich panel, upper steel plate T=0.45mm, down side steel plate T=0.35mm, density of EPS is 12Kg/m³

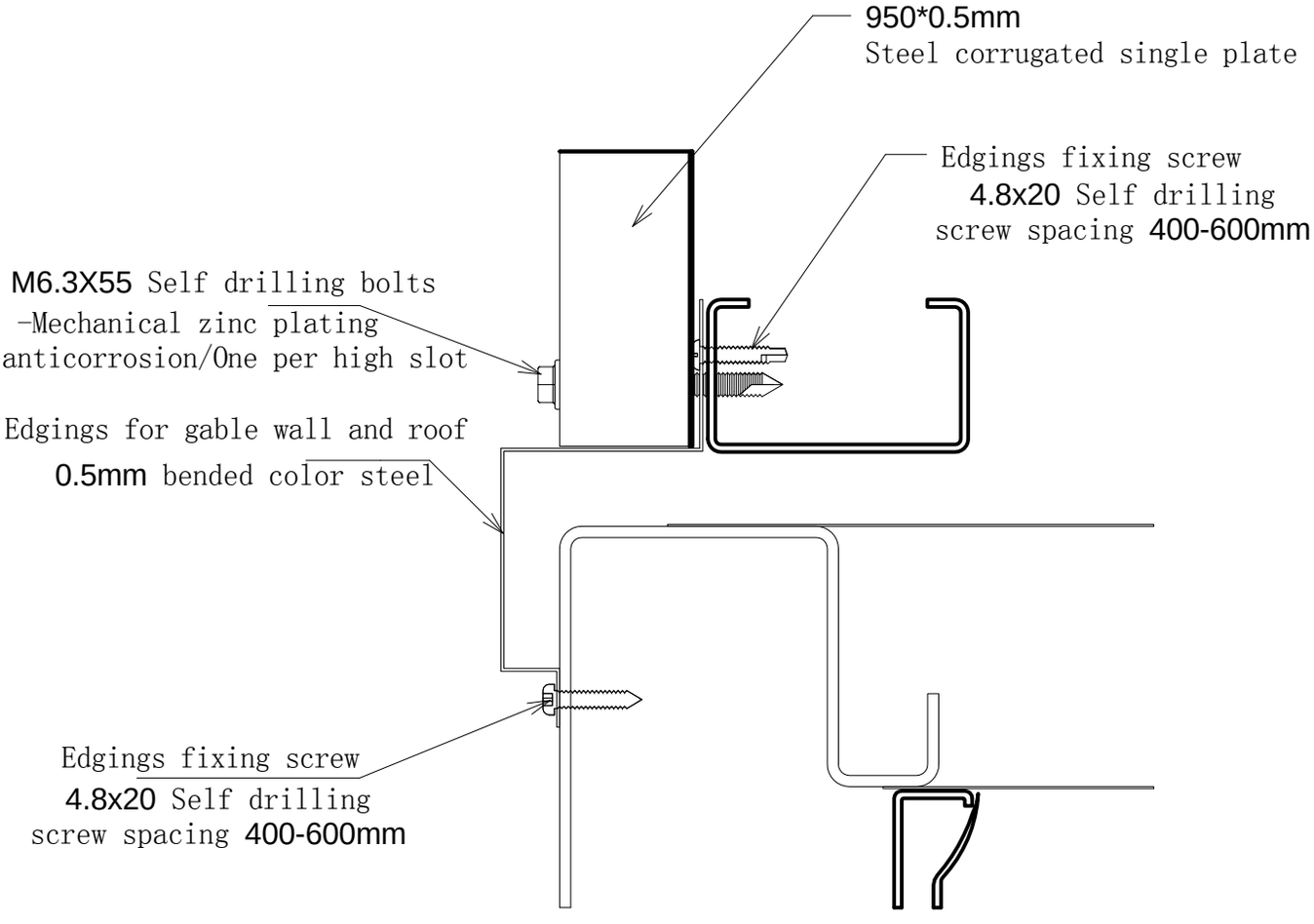


Corrugated single panel for roof

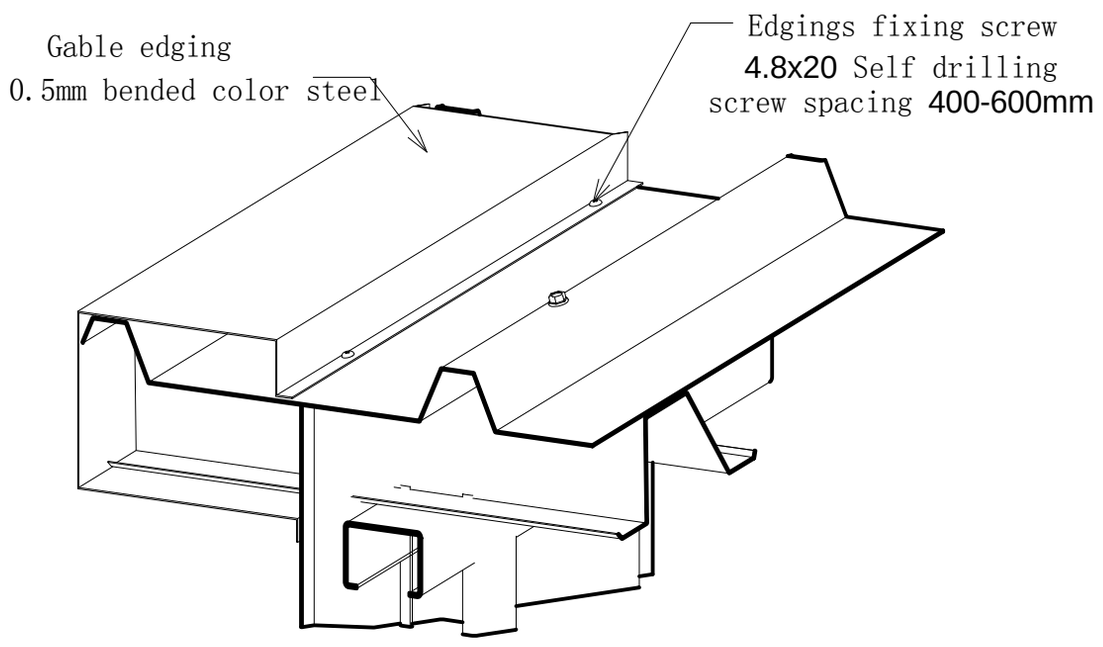
Roof panel:950*0.5mm colored steel corrugated single panel(Galvanized substrate AZ80g/m²+surface paint 20/7um)



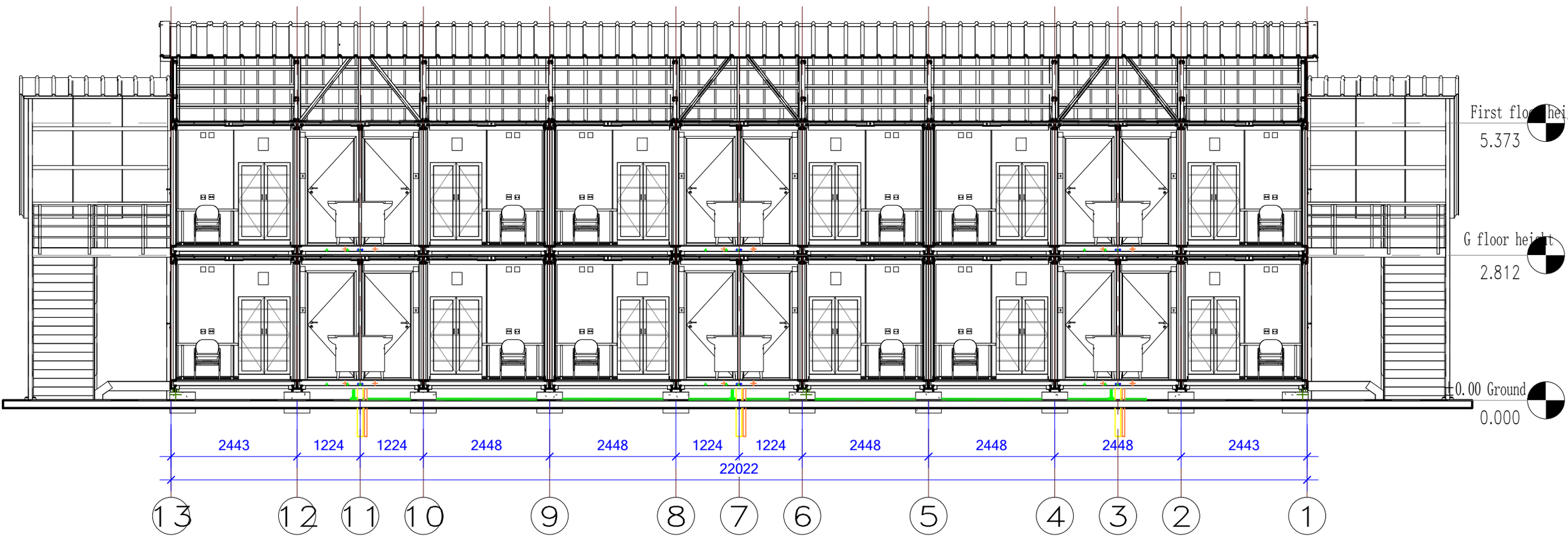
Ridge detail drawing



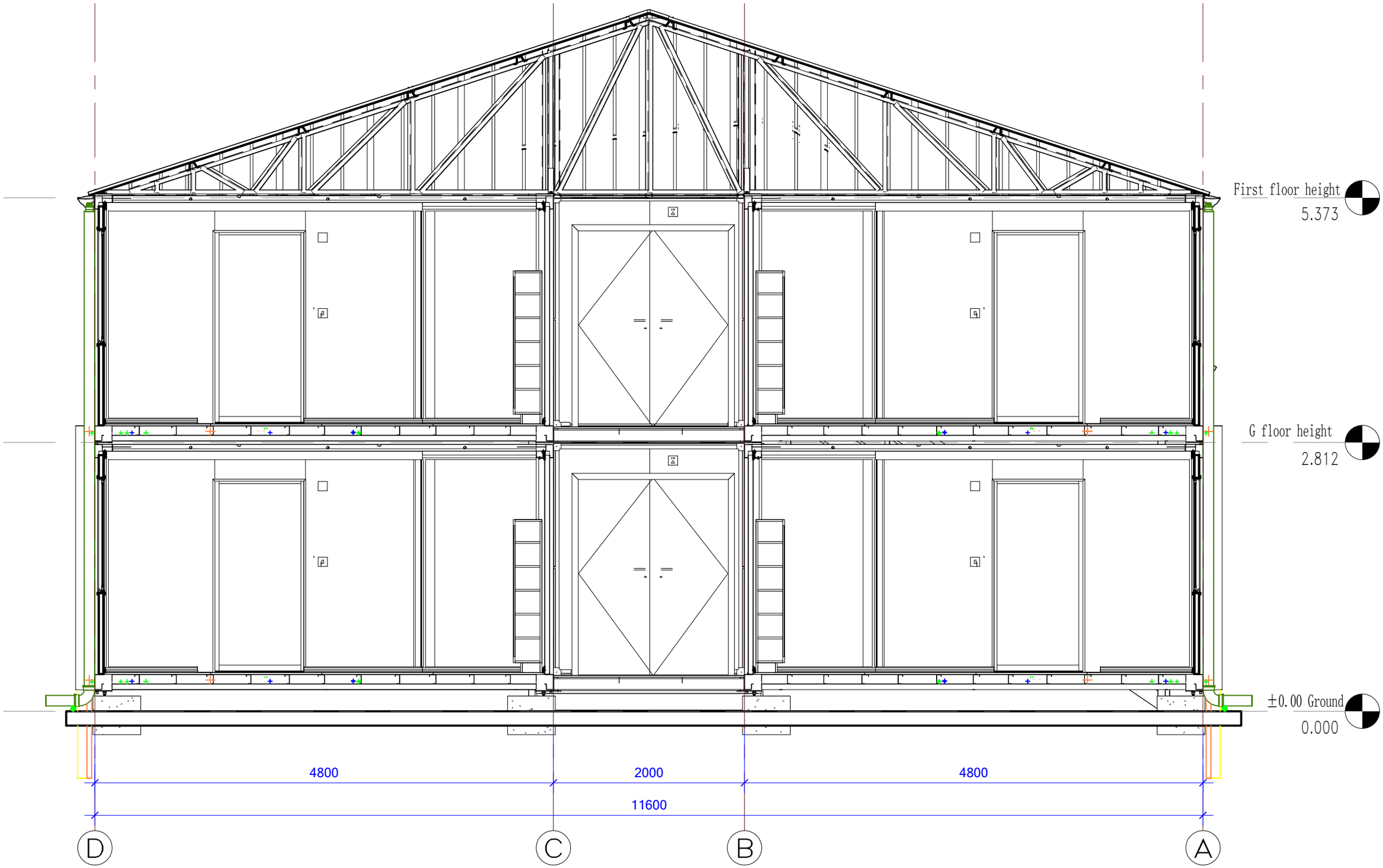
Edgings for gable wall and roof-2



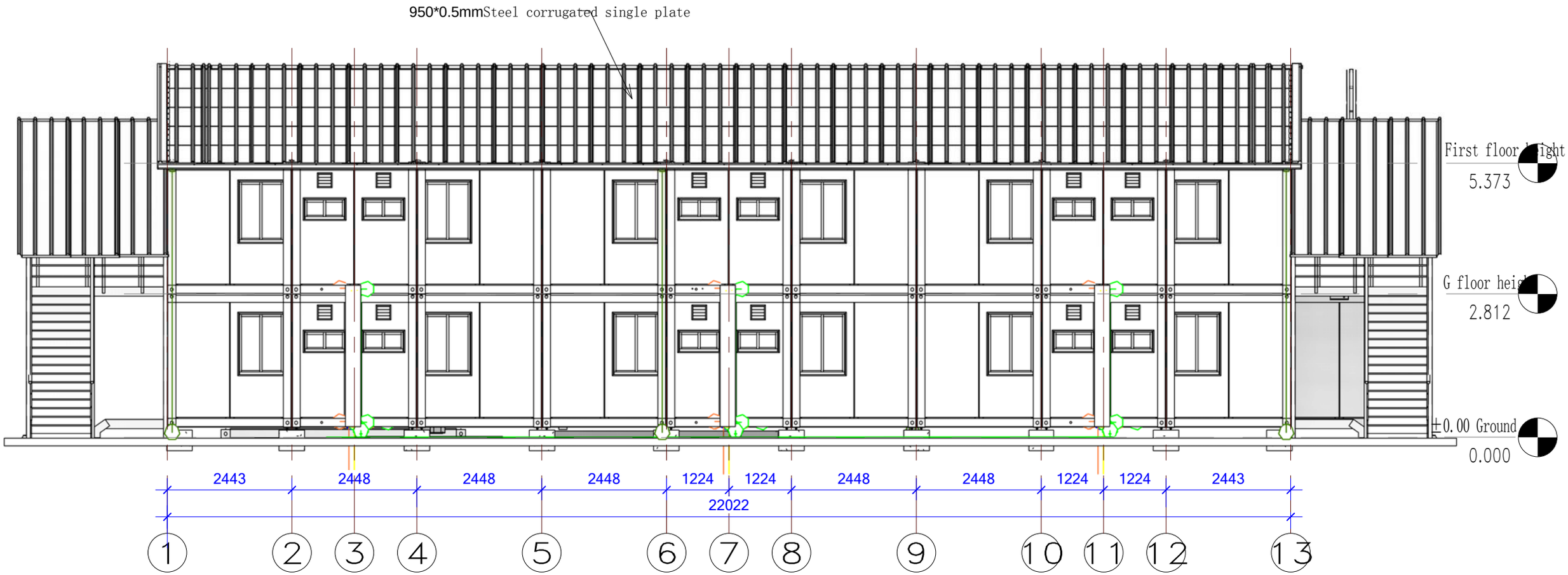
Gable edging-1



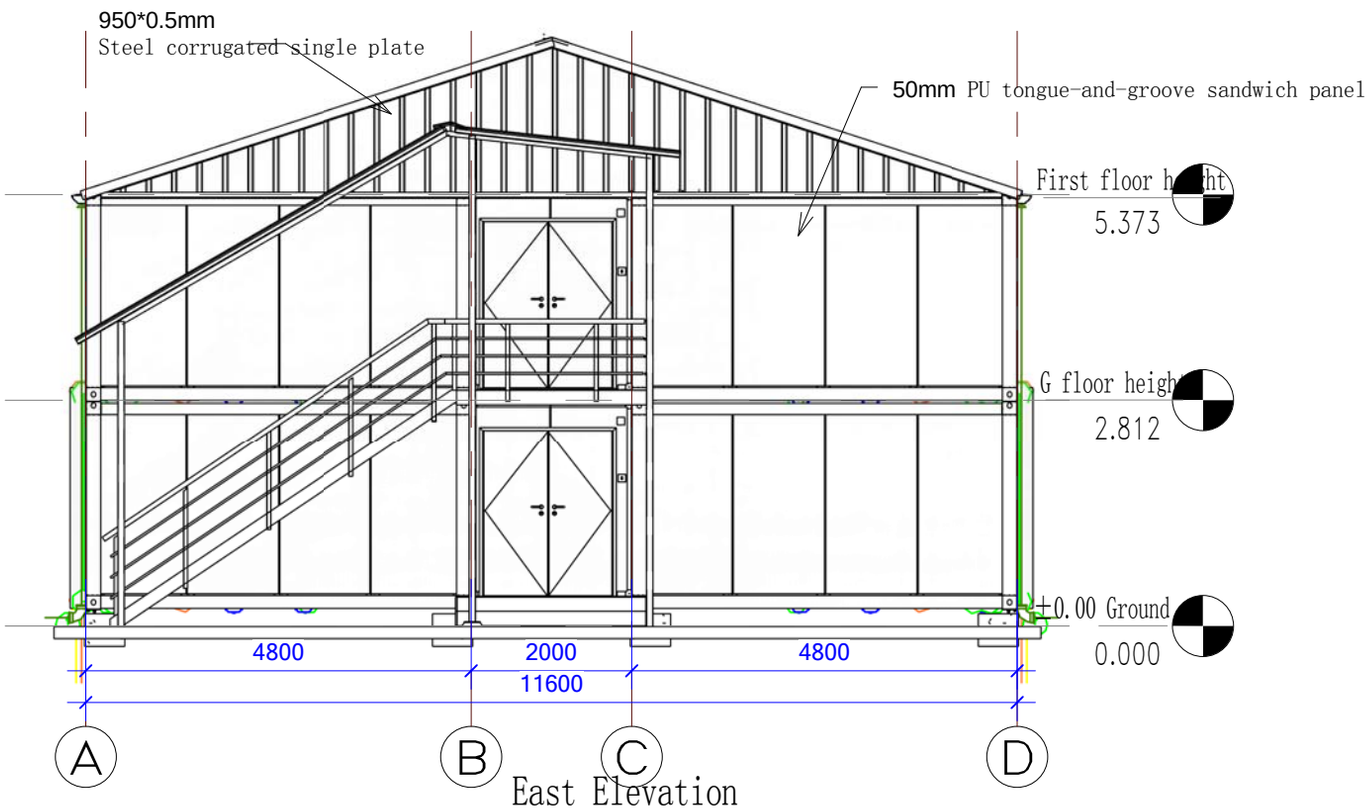
Section drawing- 1A



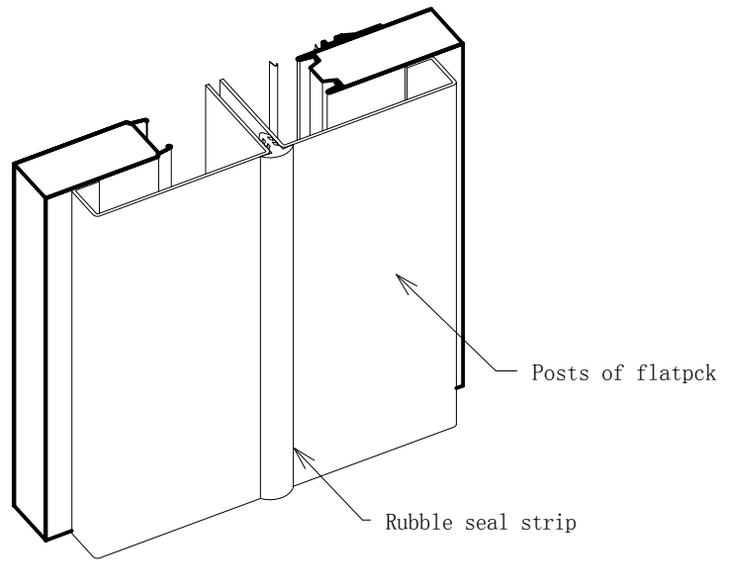
Section drawing- **1B**



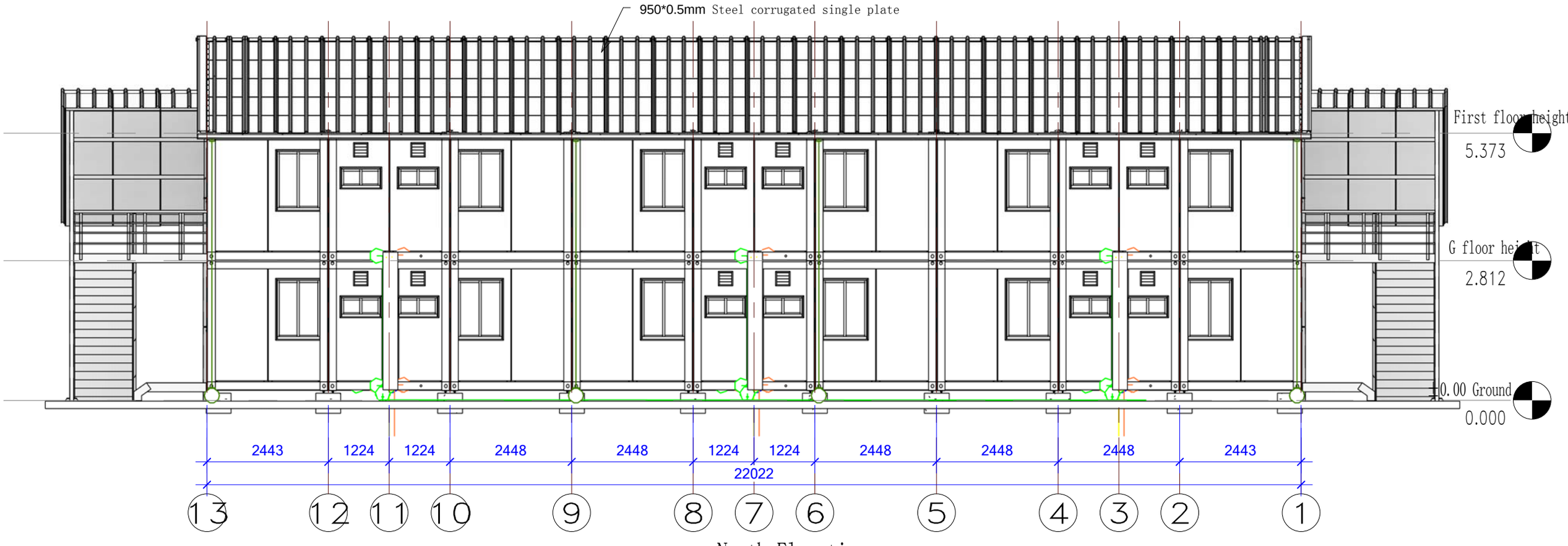
South Elevation



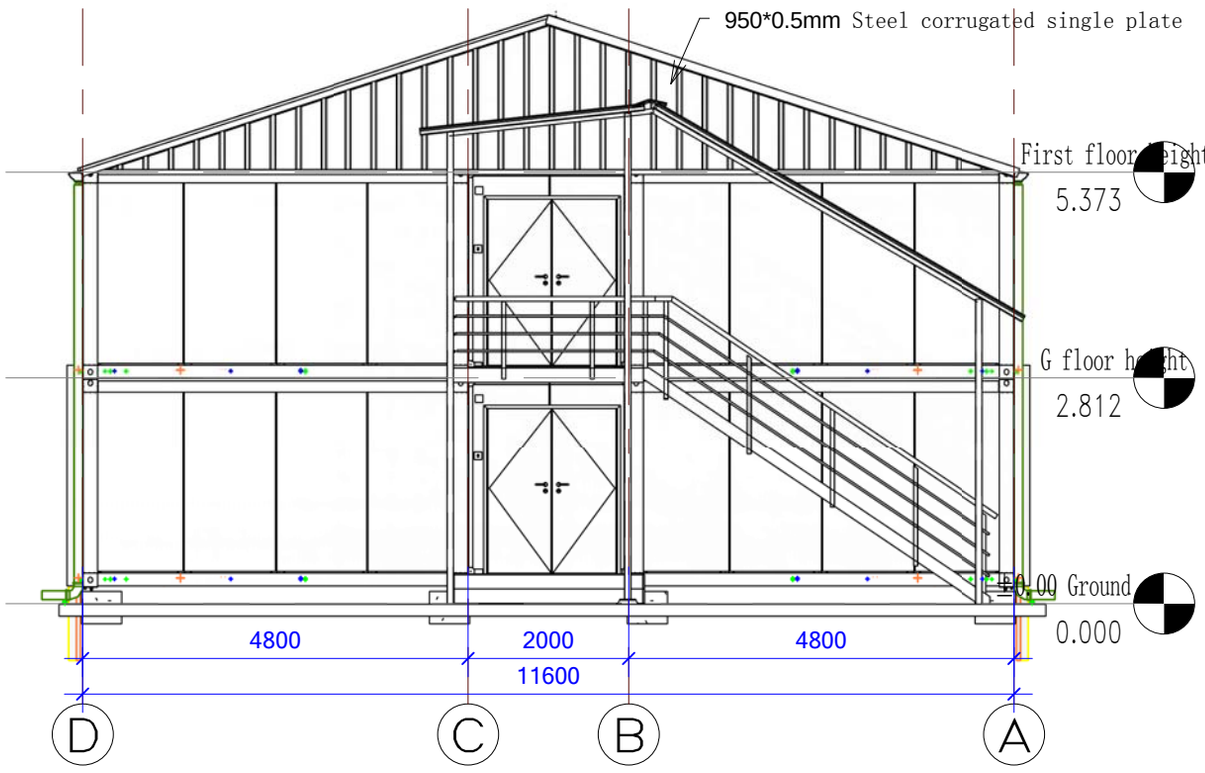
East Elevation



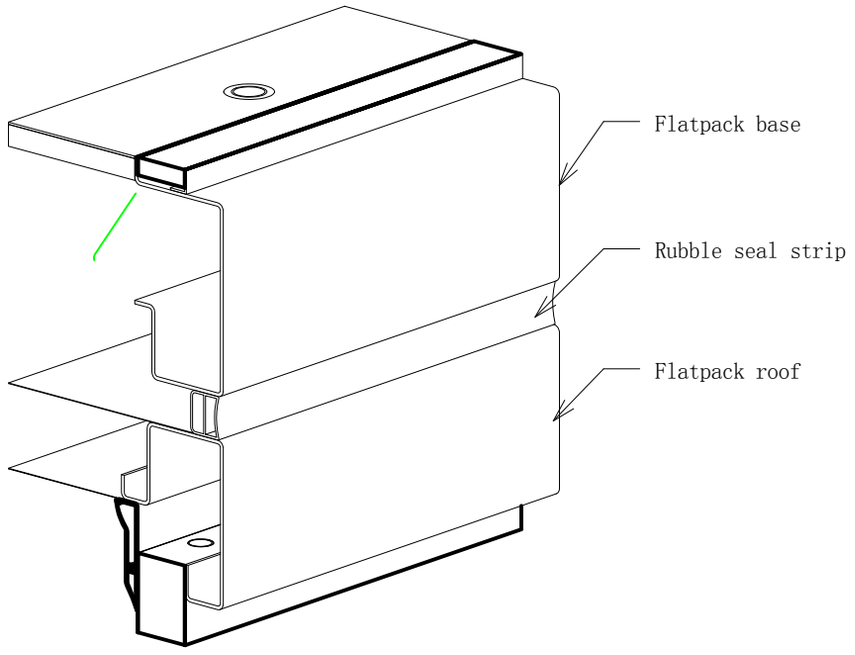
Detail drawing of vertical joints between flatpacks



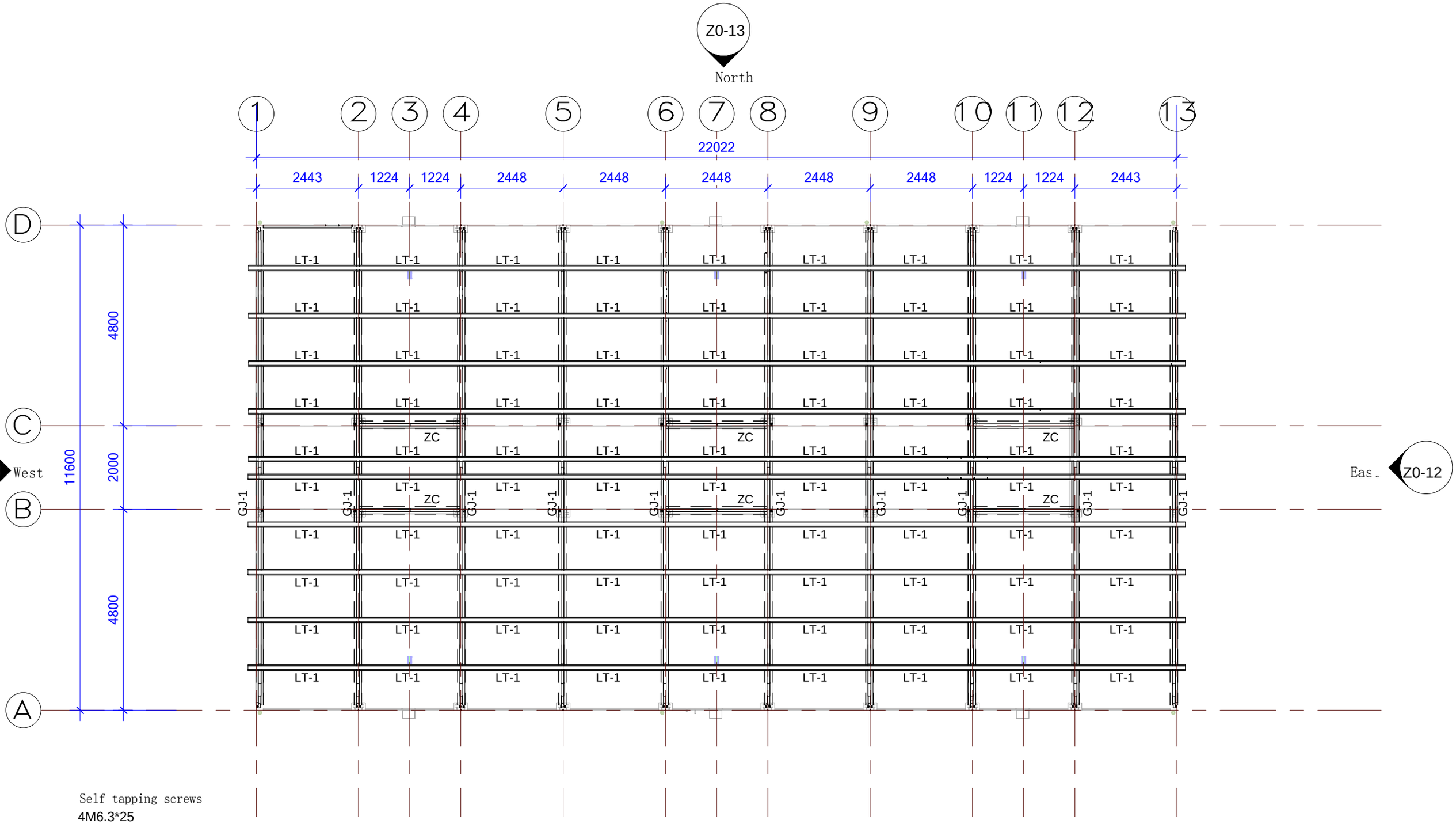
North Elevation

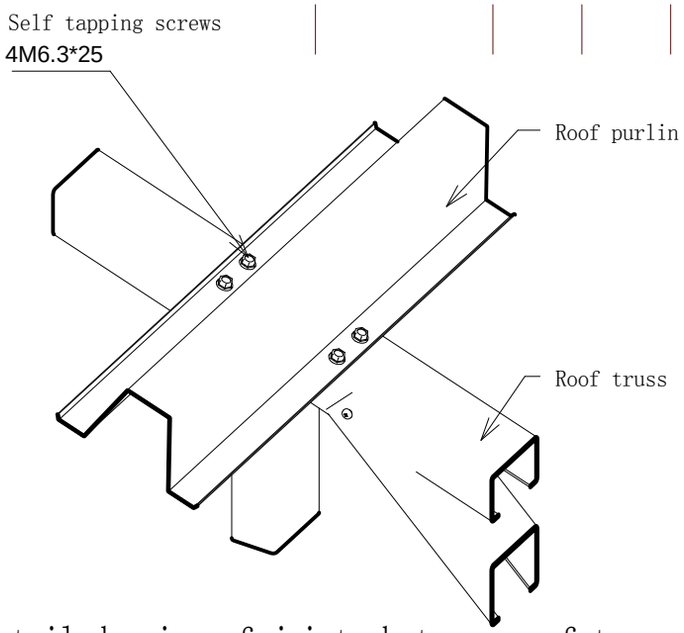


West Elevation



Detail drawing of horizontal joints between flatpacks





Detail drawing of joints between roof truss and purlin

South

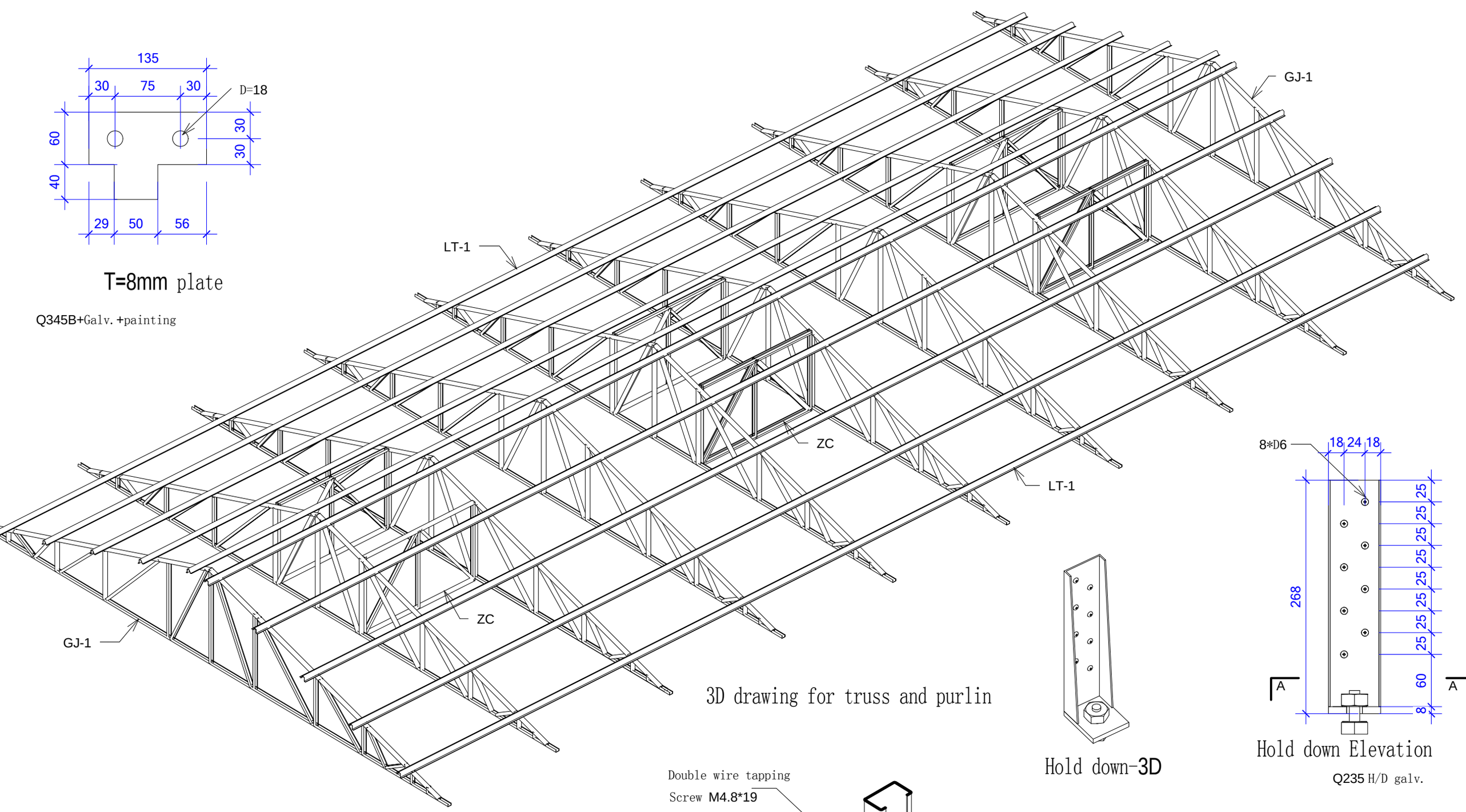
Z0-12

Roof structure layout

LT-1:C70*41*11*0.95 G550 Zincalume

T=8mm plate

Q345B+Galv.+painting

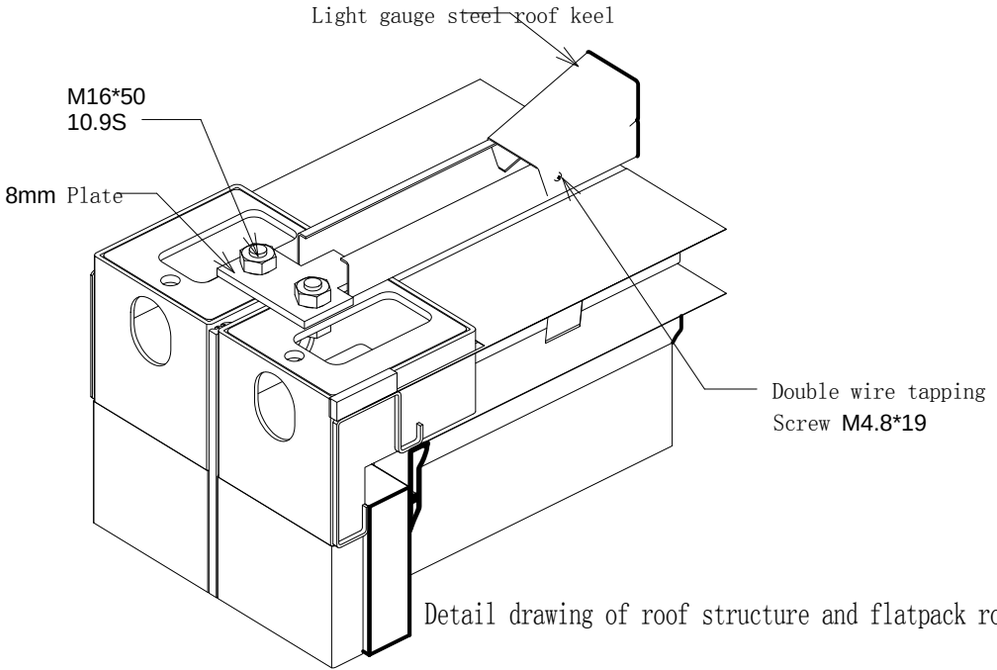


3D drawing for truss and purlin

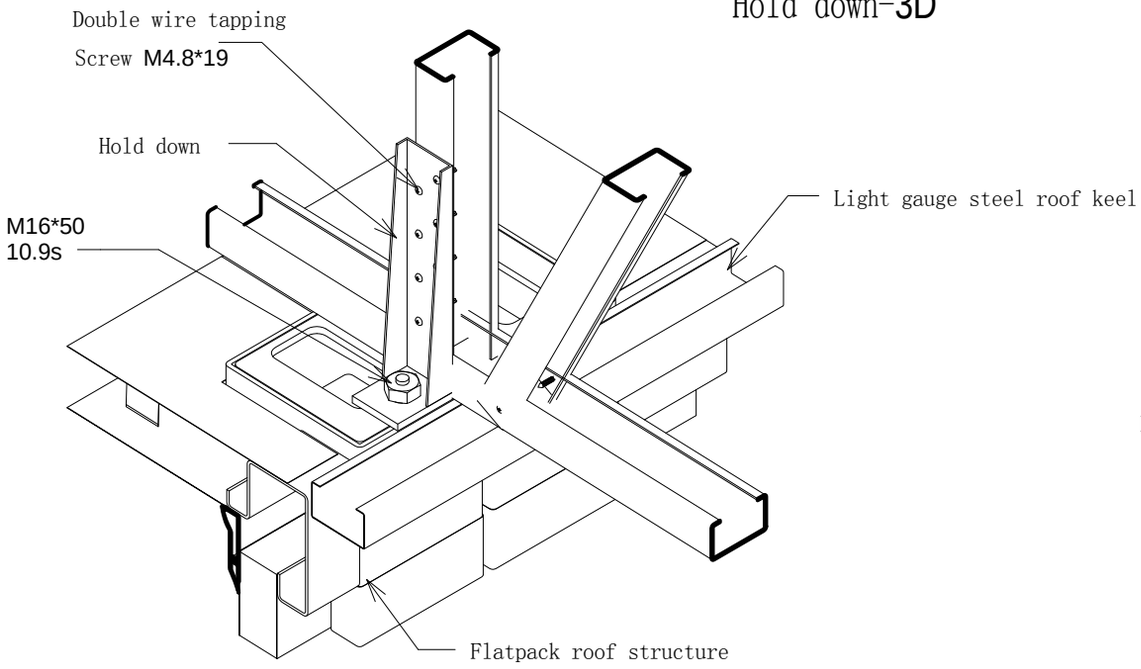
Hold down-3D

Hold down Elevation

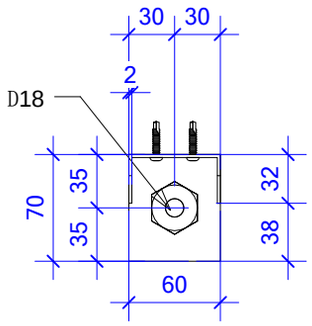
Q235 H/D galv.



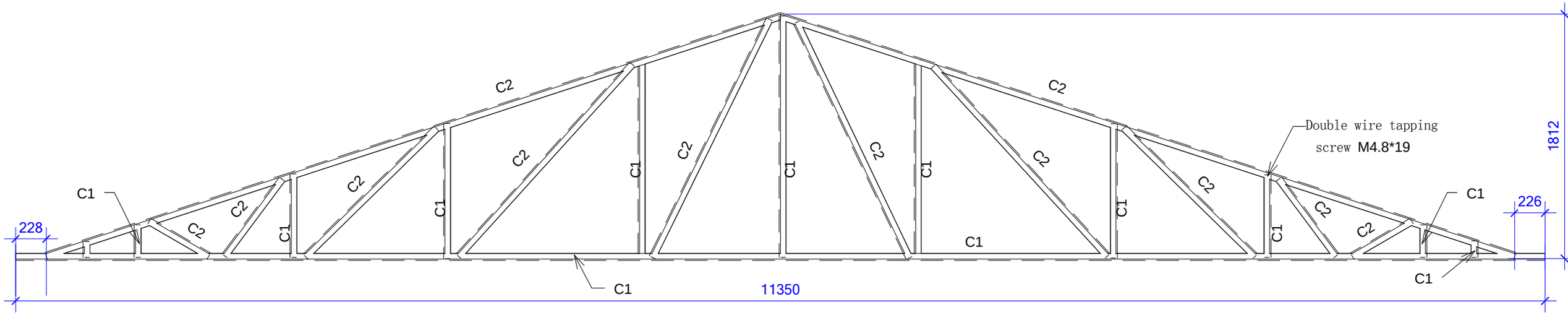
Detail drawing of roof structure and flatpack roof-2



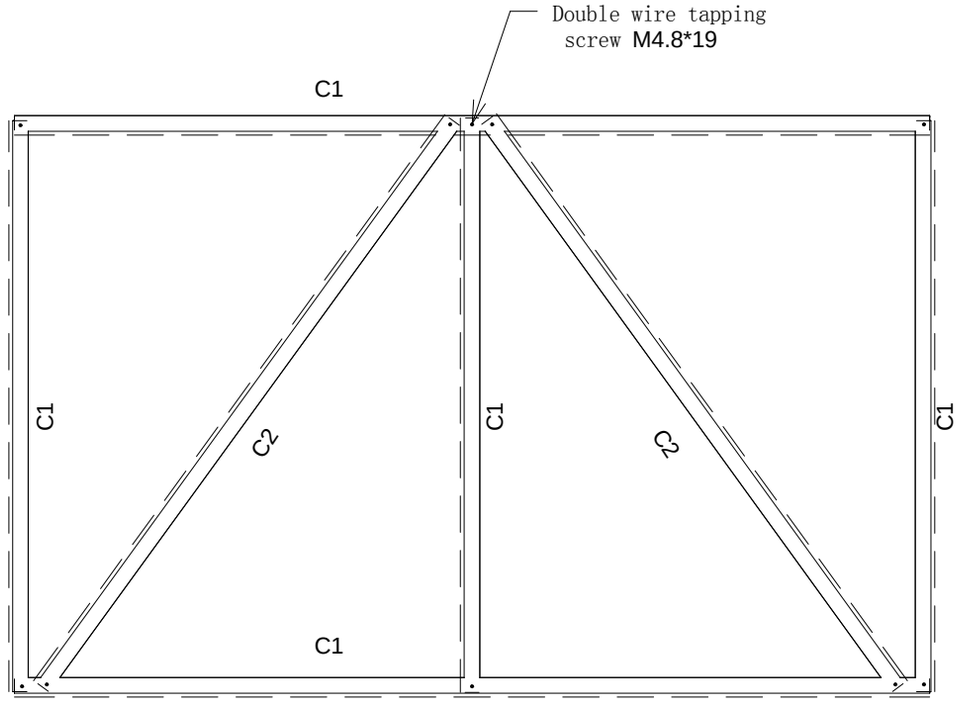
Detail drawing of roof structure and flatpack roof-1



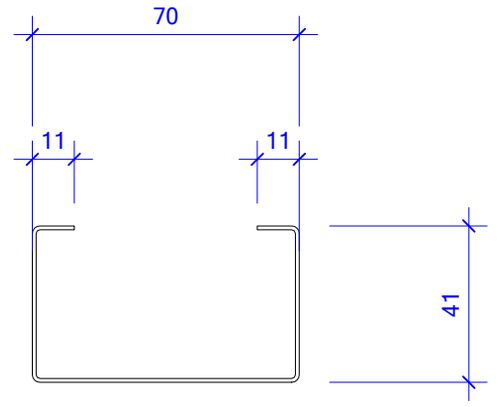
Hold down plan



GJ-1 structure layout

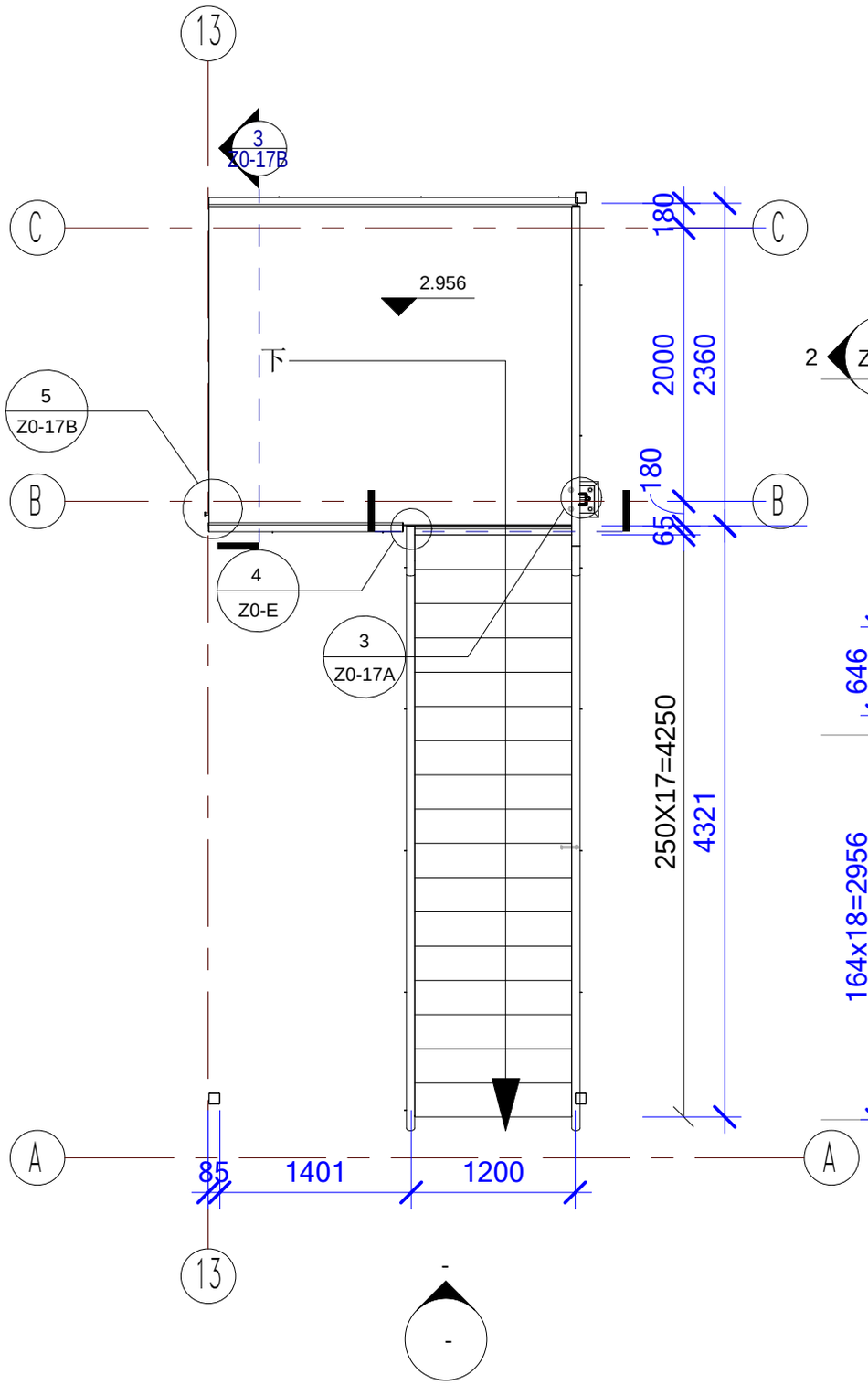


ZC structure layout

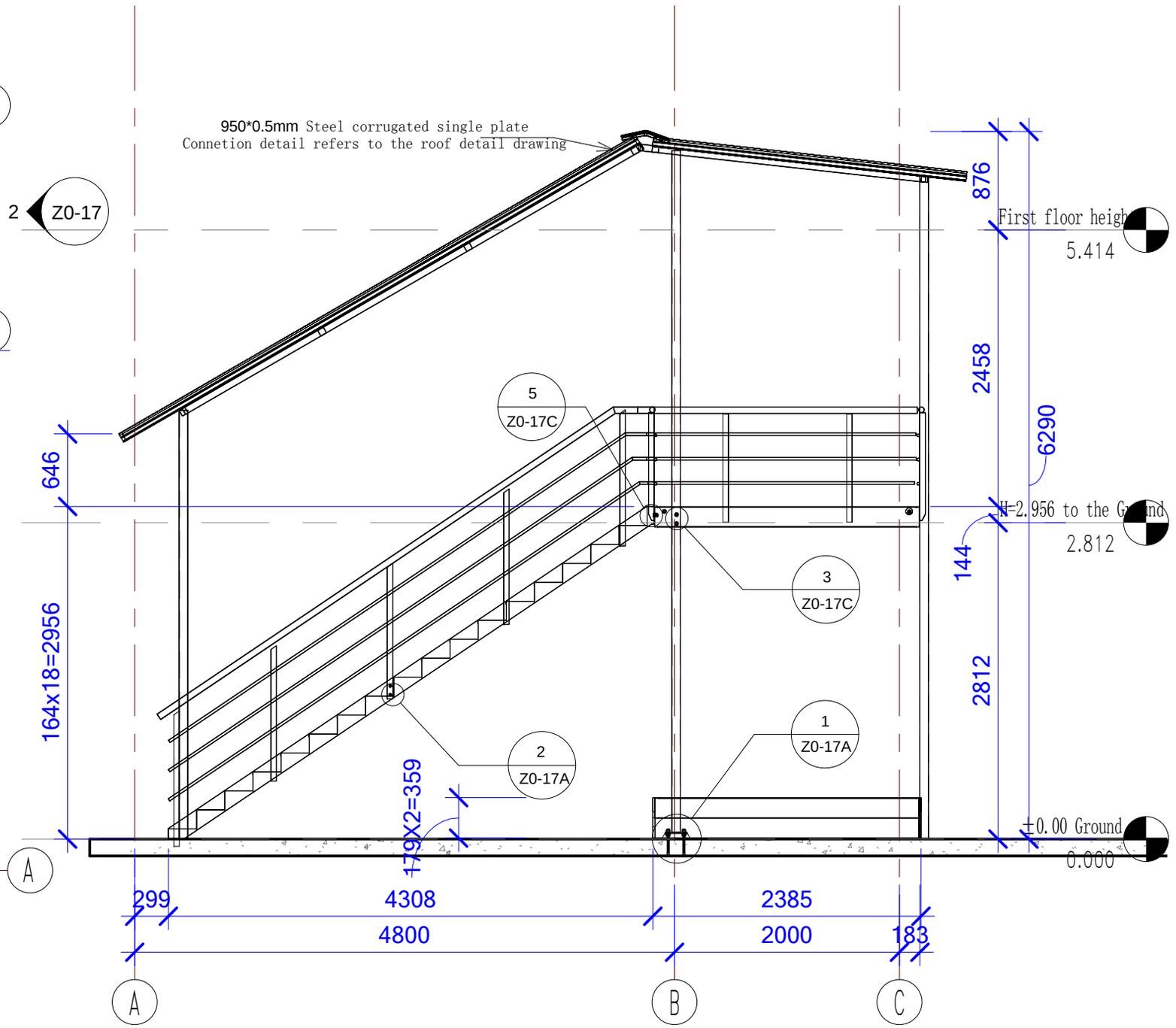


Light gauge steel kee C profile detail

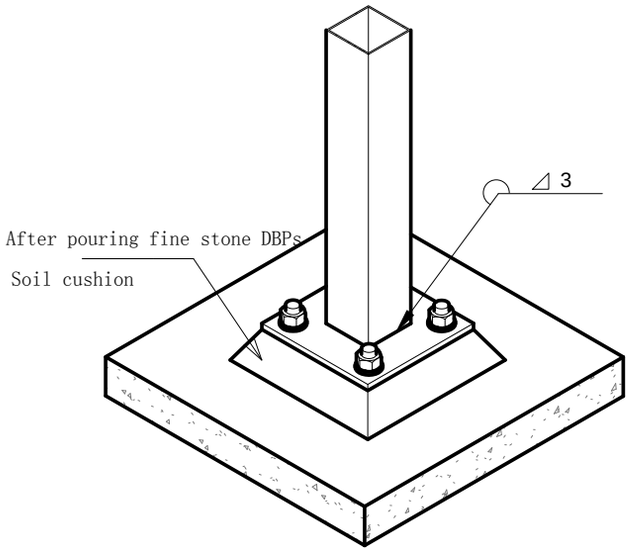
C1、C2:70*41*11*0.75 G550 Zincalume



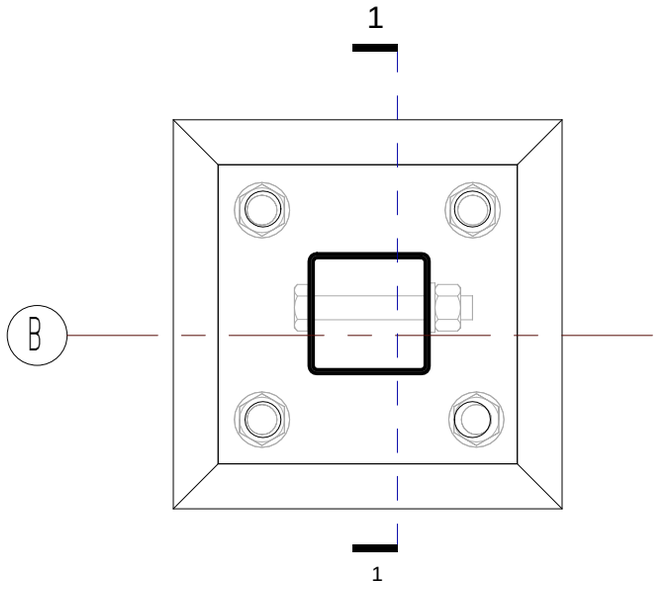
Staircase height=2.956 to the Ground



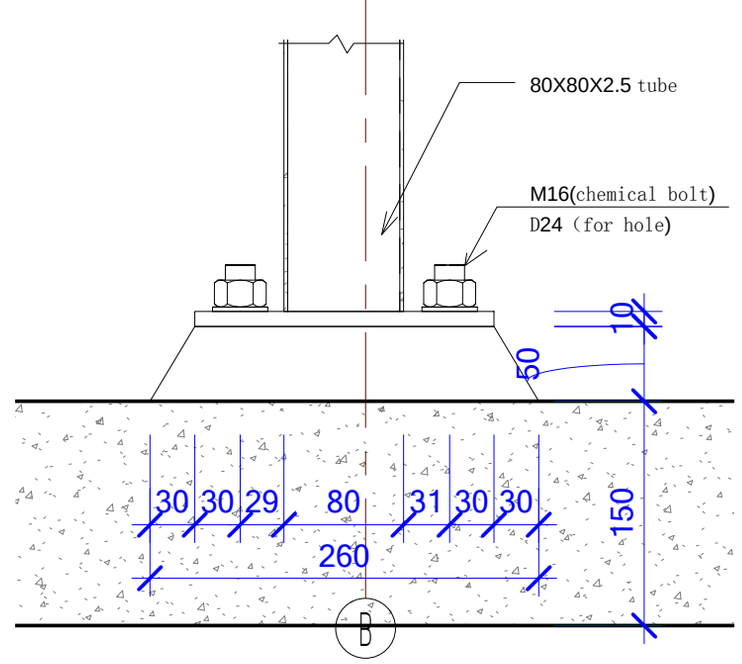
Staircase Elevation



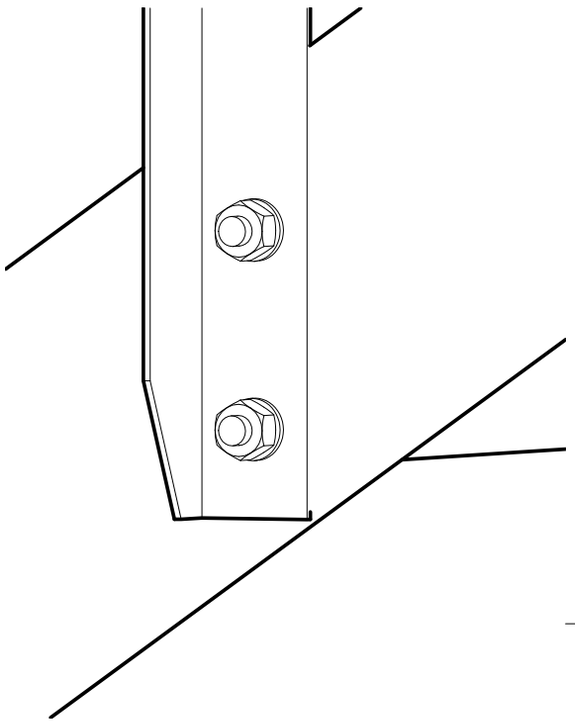
① 3D drawing of connection between staircase post and foundation



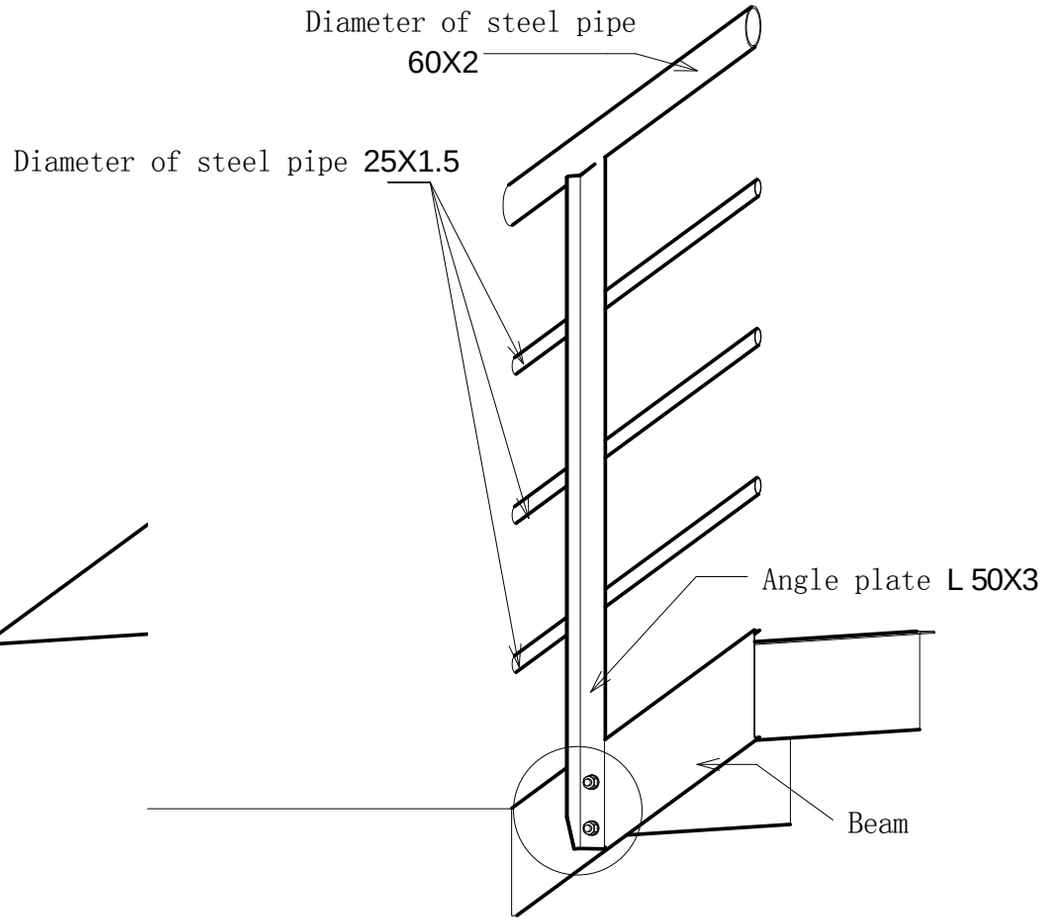
① Posts plan



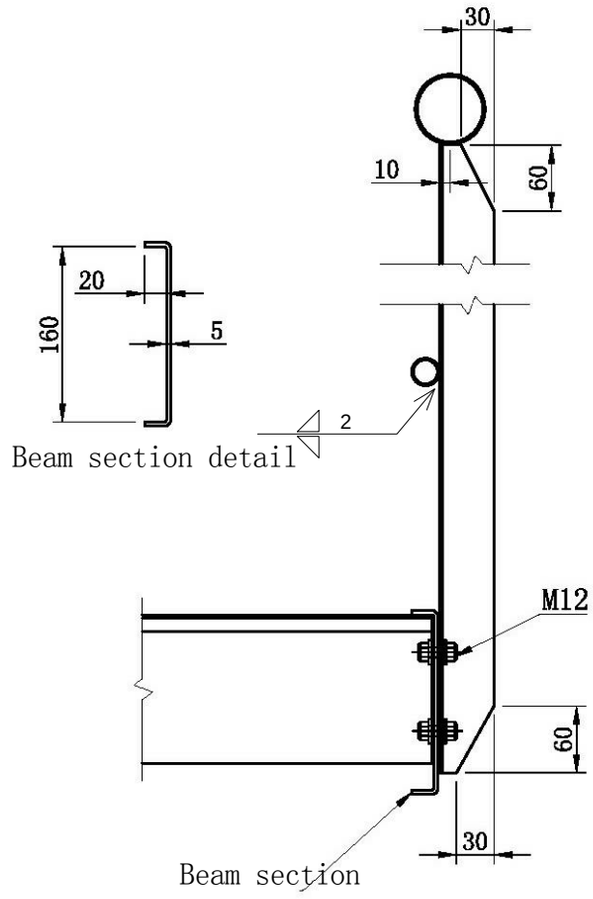
① Post of staircase Section drawing-1-1



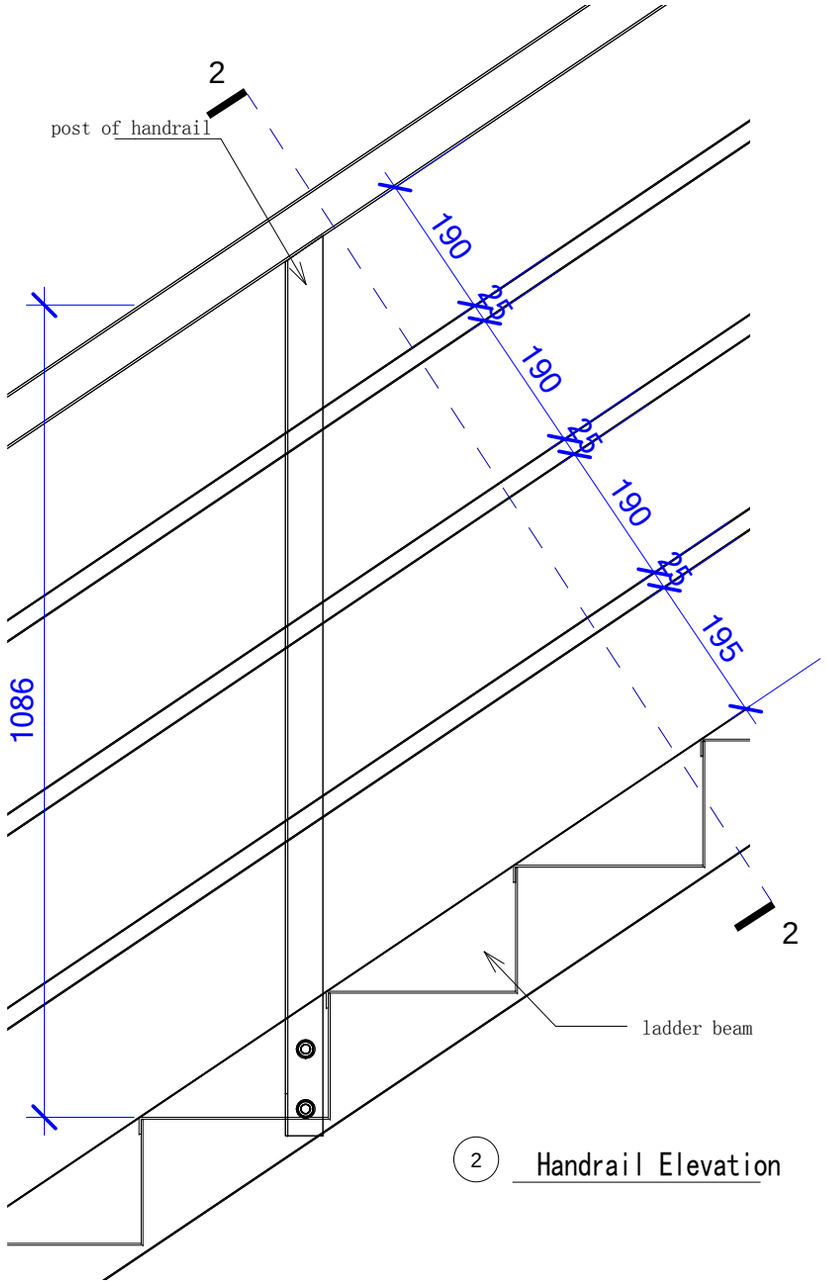
② Handrail connection detail drawing



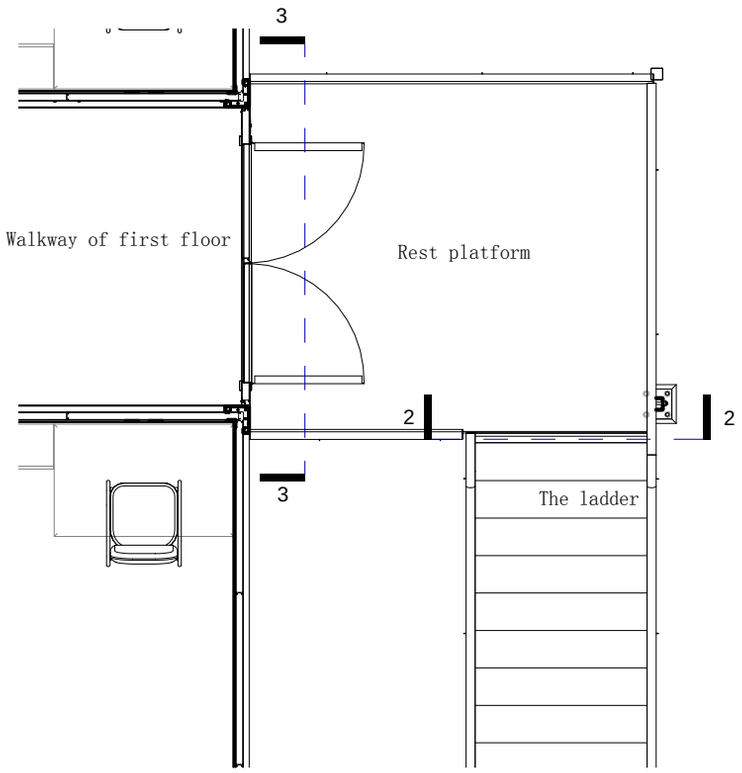
② Handrail connection 3D drawing



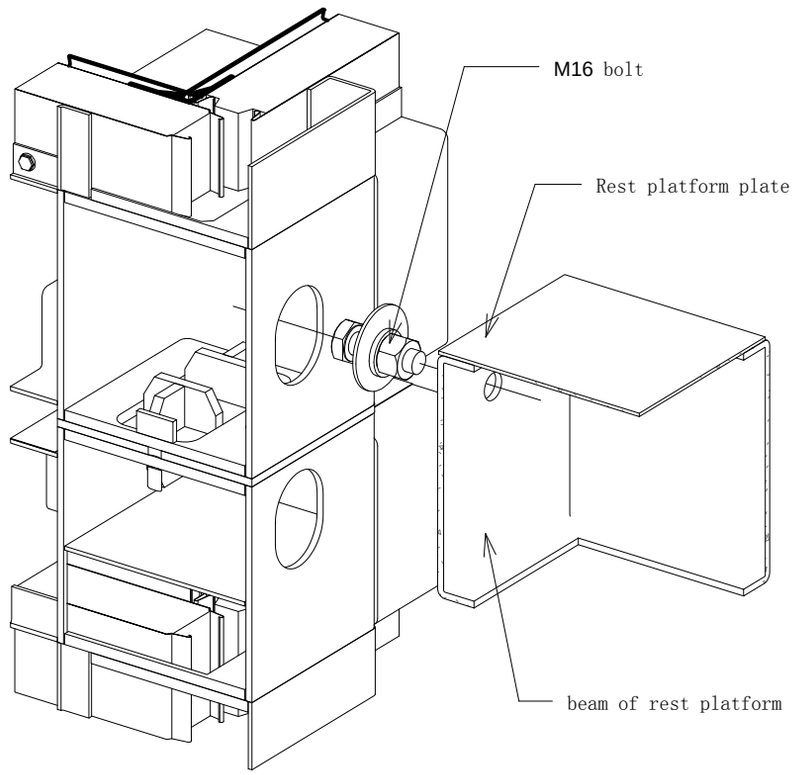
② Section drawing-2-2



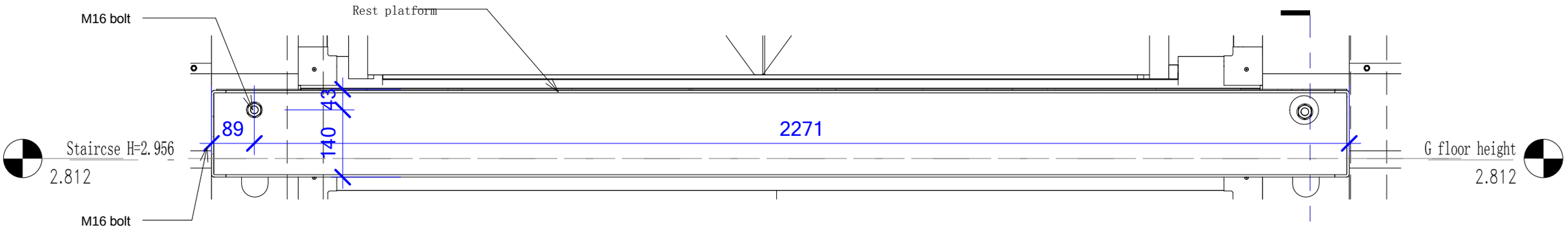
② Handrail Elevation



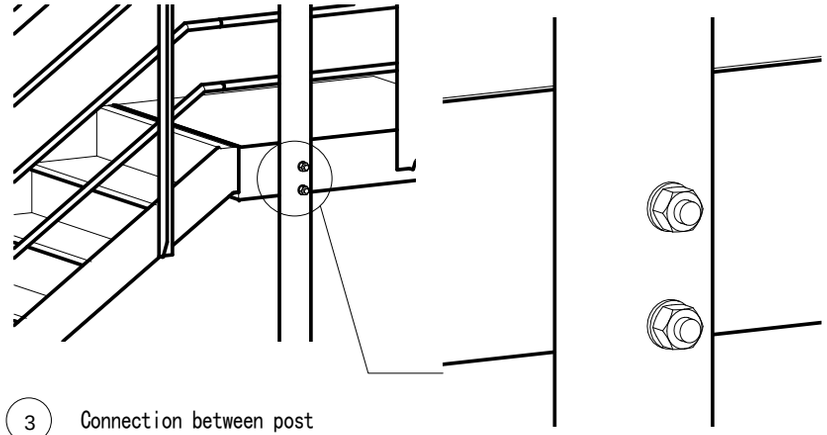
④ ⑤ Rest platform plan



⑤ Connection detail drawing of Rest platform and flatpack unit

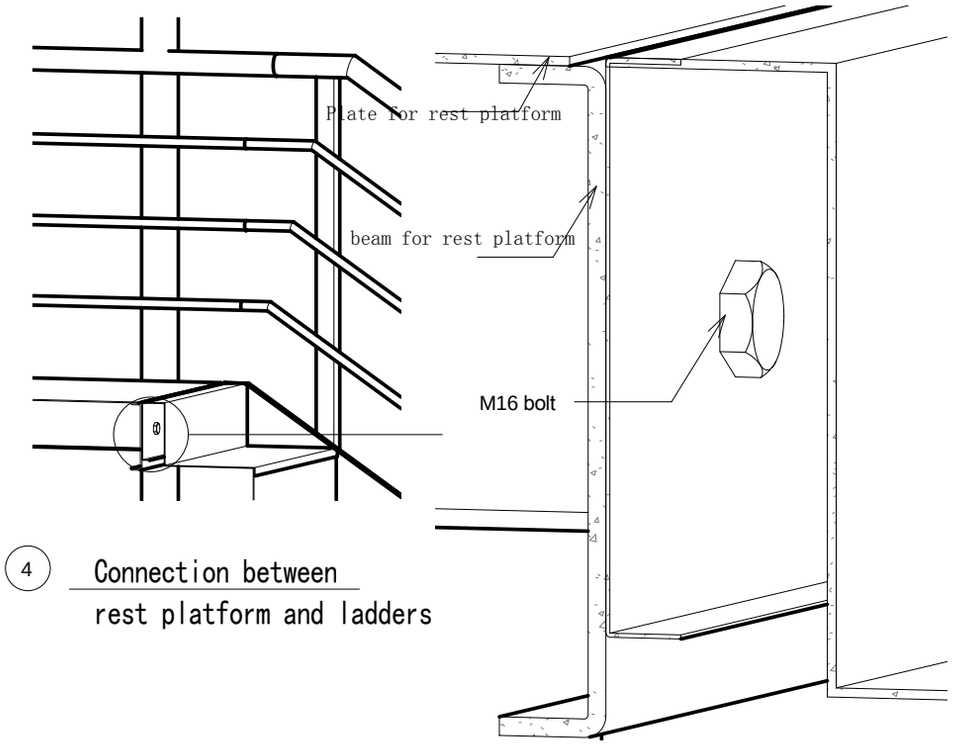


③ Section drawing of connection detail between rest platform and flatpack unit-3



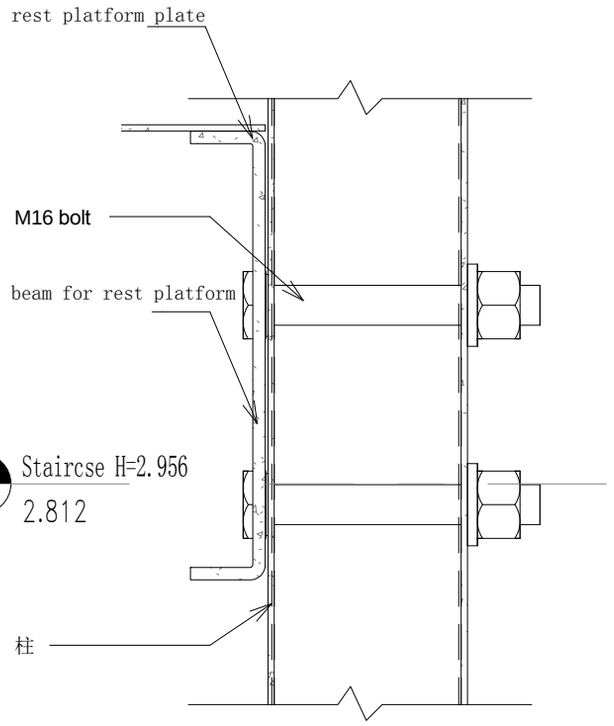
3 Connection between post and rest platform-3D drawing

3 Zoom in detail drawing

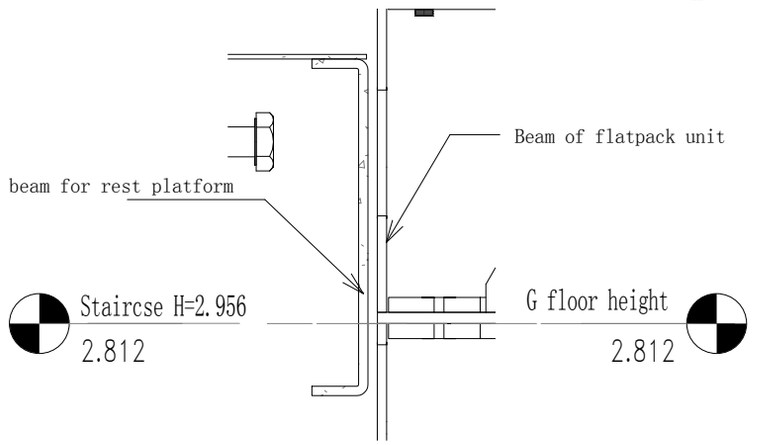


4 Connection between rest platform and ladders

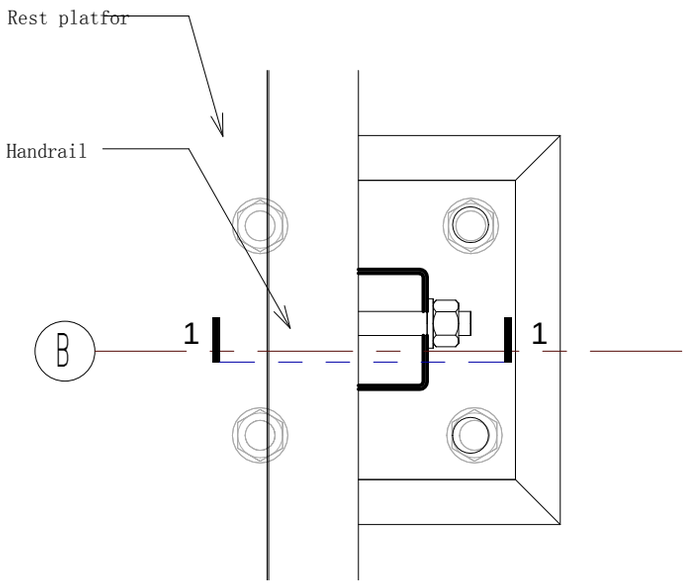
4 Zoom in detail drawing



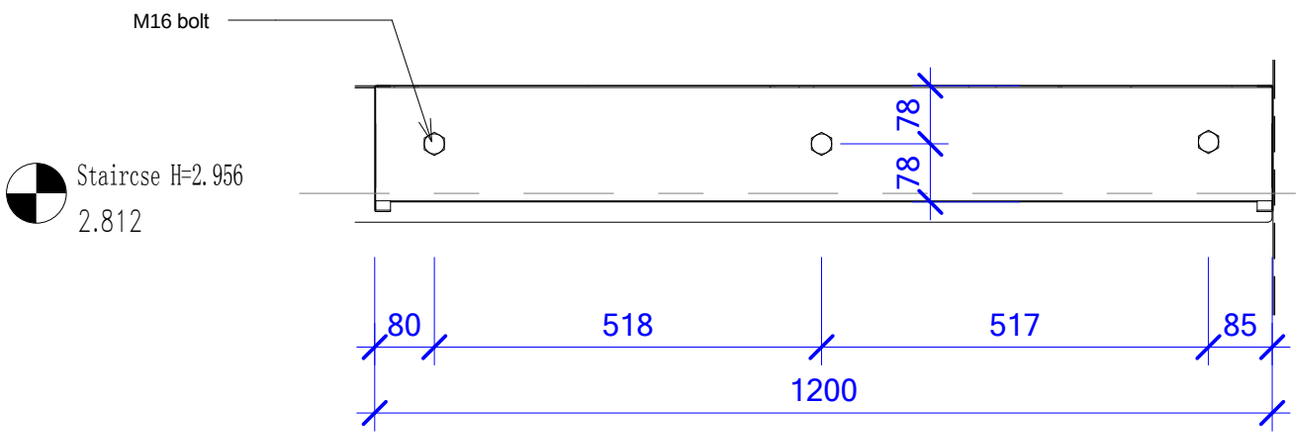
3 Connection between post and rest platform-Section drawing-1-1



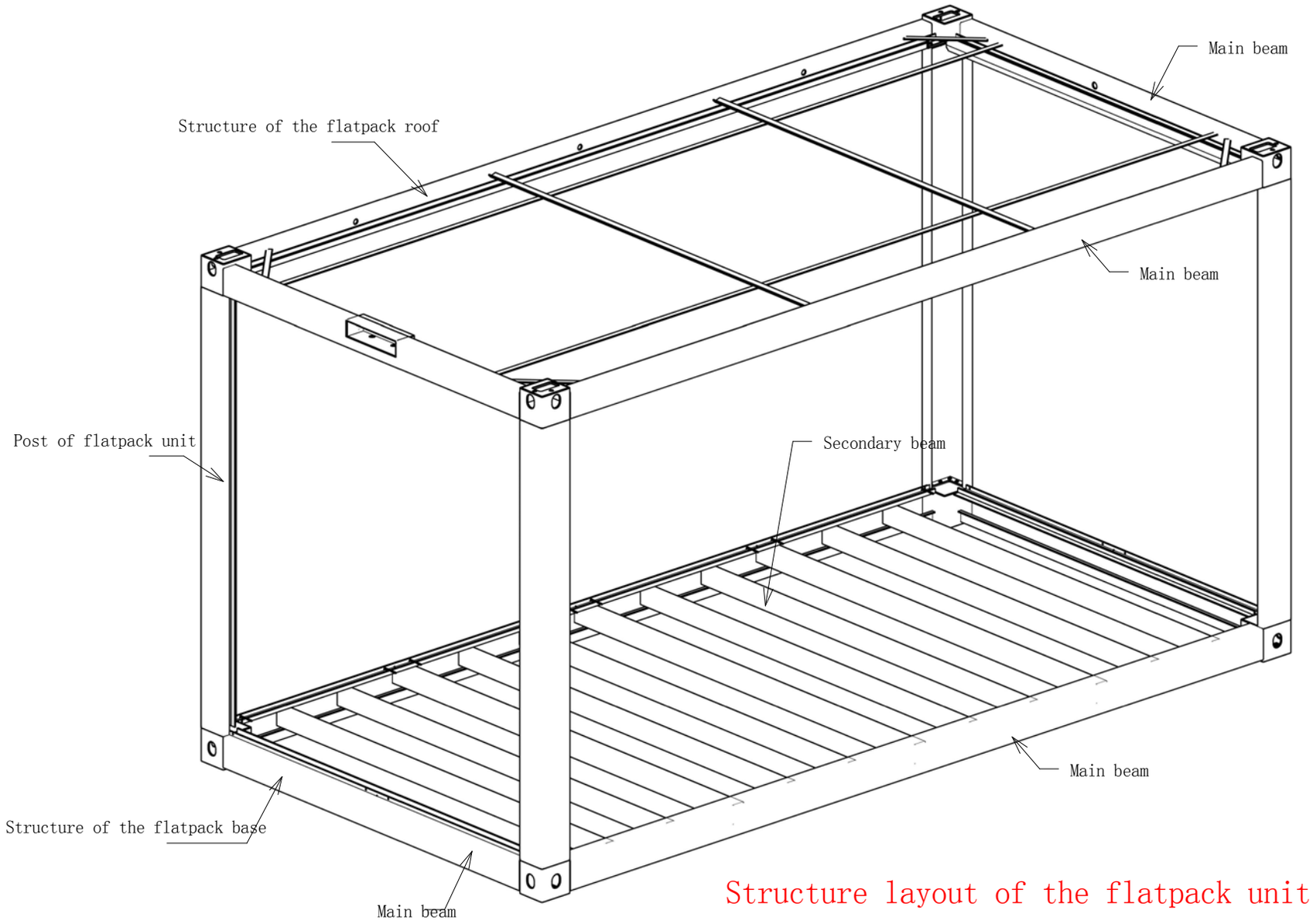
5 Connection between flatpack unit and rest platform-Section drawing-4-4



3 Connection between post and ladders detail drawing



4 Connection between rest platform and ladders-Section drawing-2-2



Structure layout of the flatpack unit

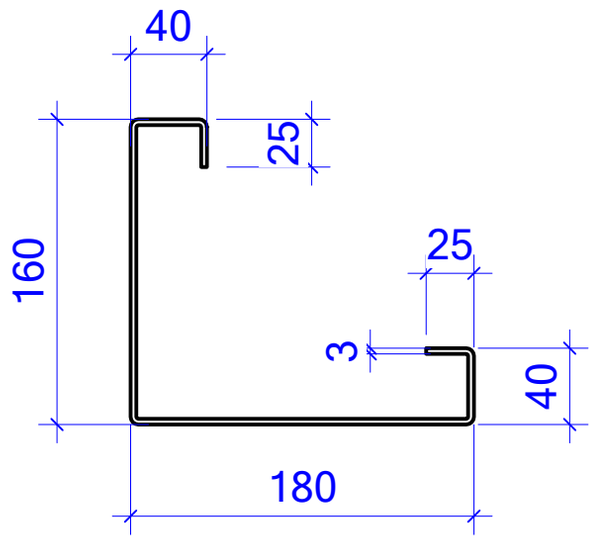
Specifications of the flatpack structu

Materil: 1. main beam and column is Q345B

2. Secondary bean and other parts are Q23

Surface treatment:Galv. 8~10um

Painting: 60um



Section of the post

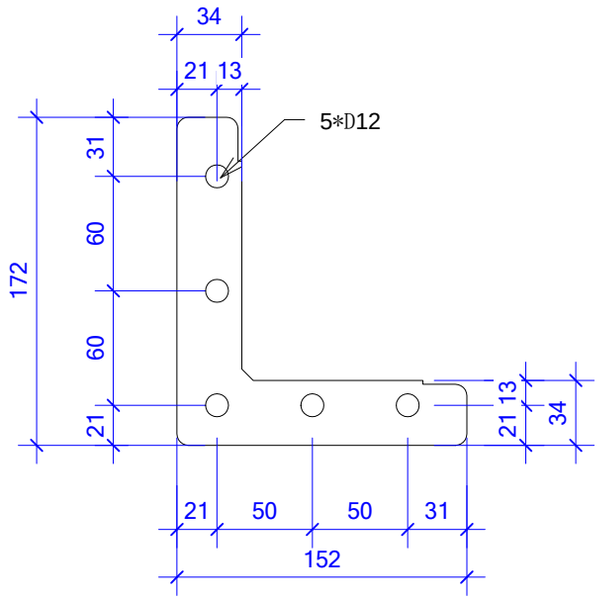
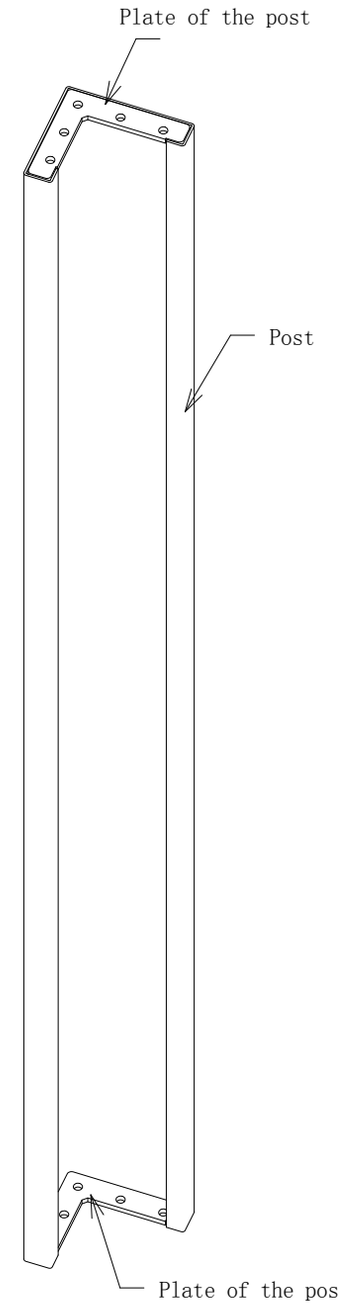
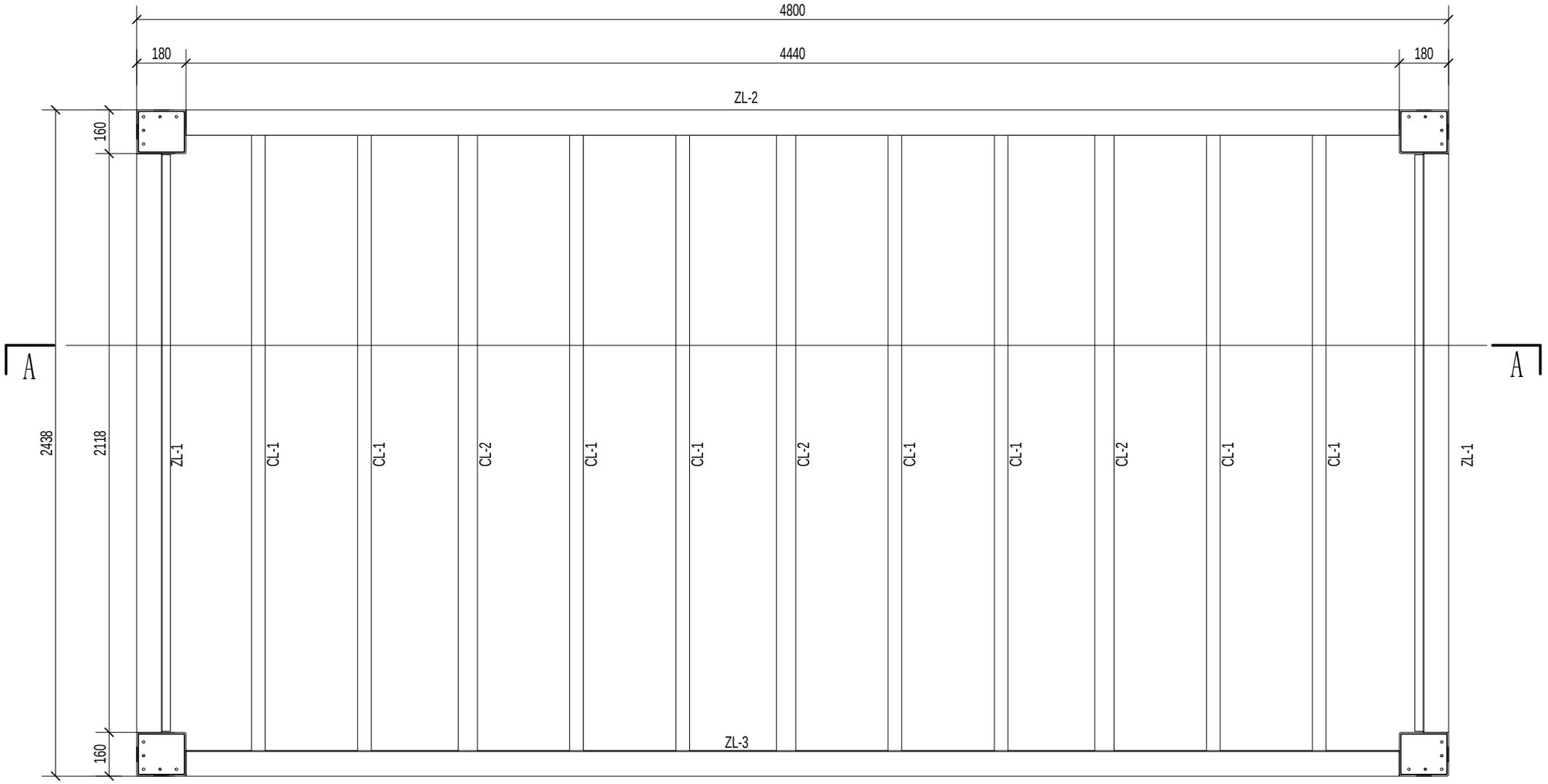


Plate of the post

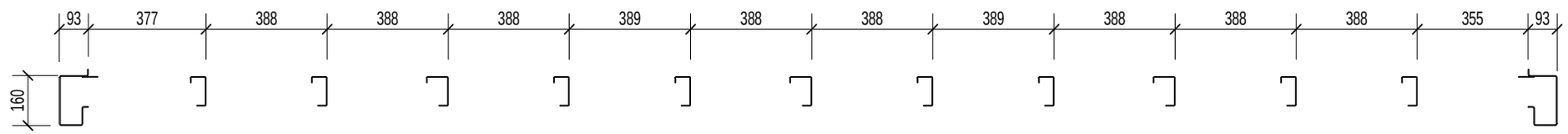
Thickness: 8mm



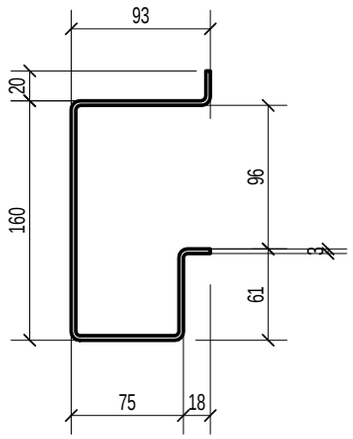
Post-3D drawing



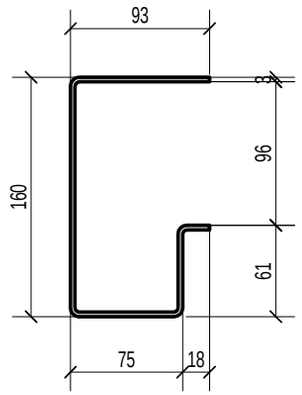
Structure layout for flatpack base



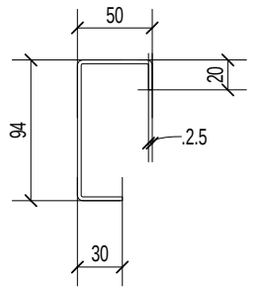
A-A



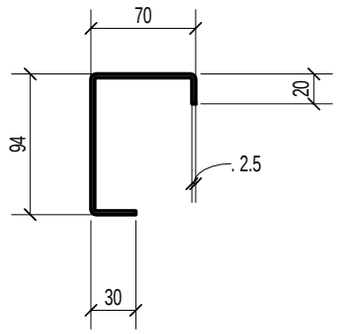
ZL-1、3 section



ZL-2 section



CL-1 section



CL-2 section

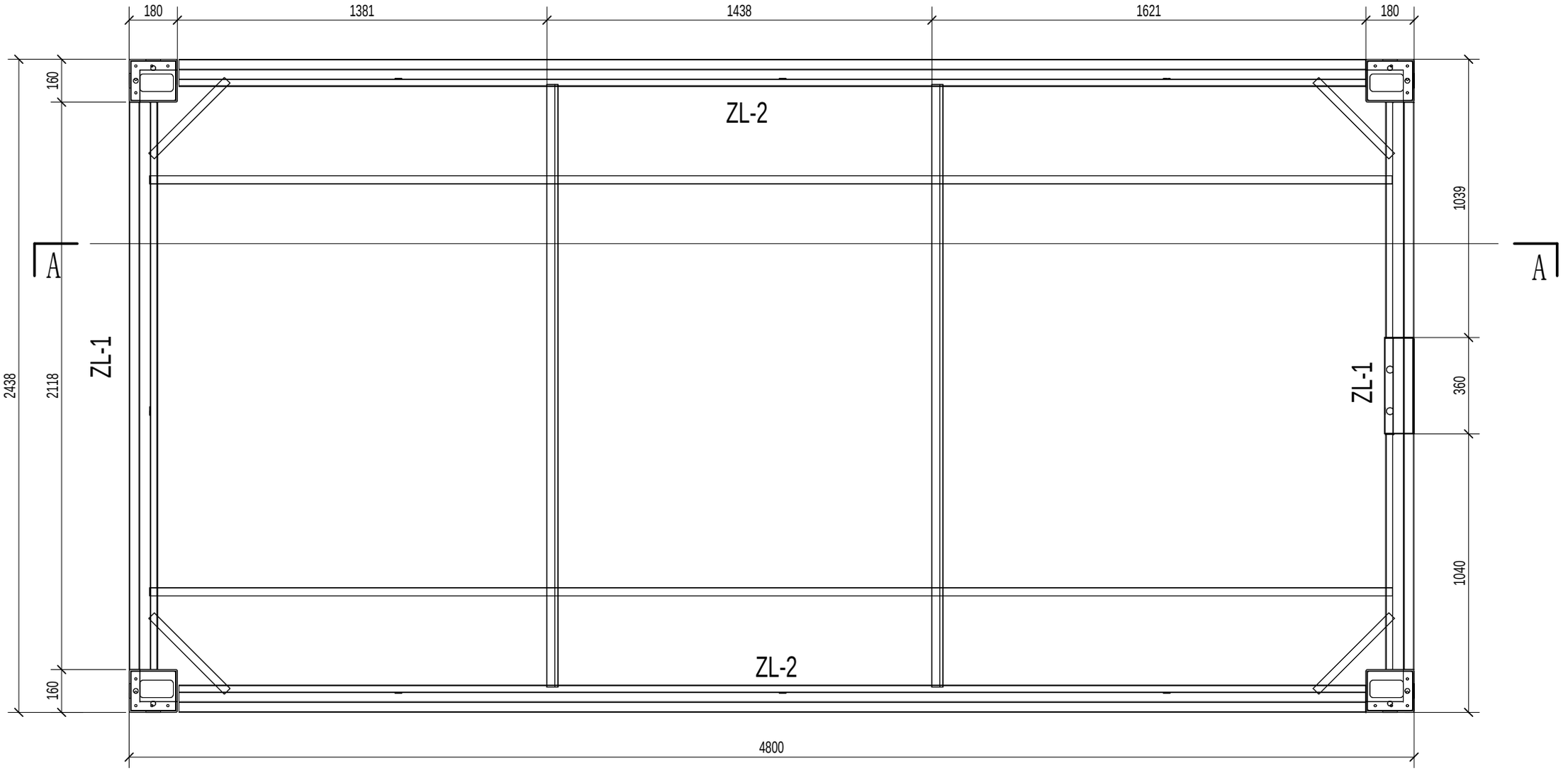
Specifications for flatpack base structure

Material:1.ZL-1,ZL-2,ZL-3 are Q345B

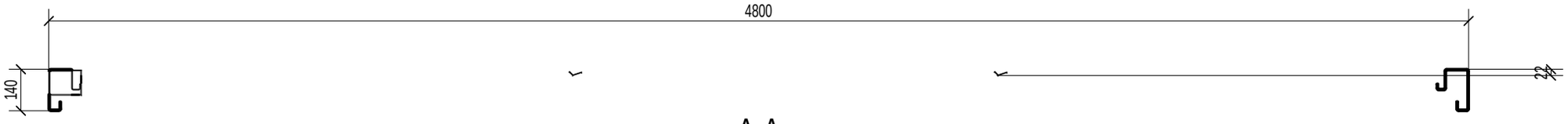
2.CL-1,CL-2 and other parts are Q235B

Surface treatment:Galv. 8~10um

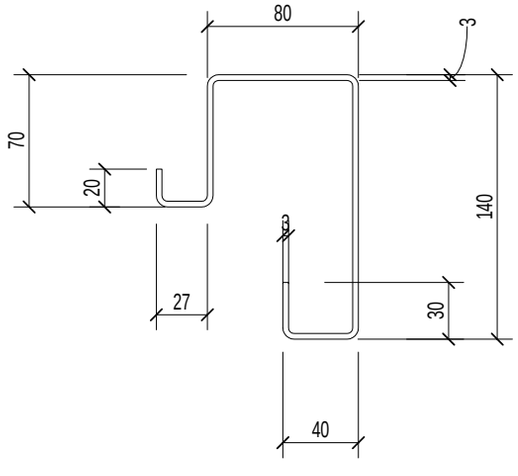
Painting: 60um



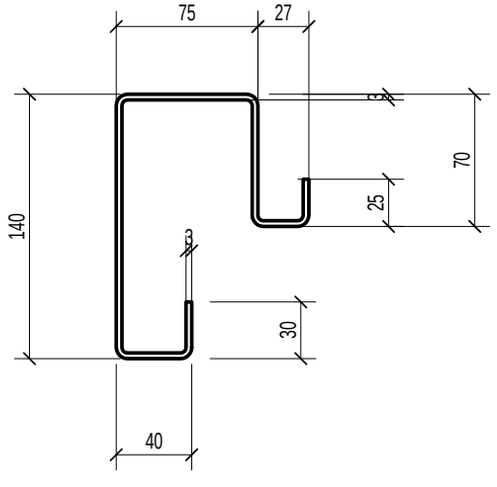
Structure layout of flatpack roof



A-A



ZL-1 section



ZL-2 section

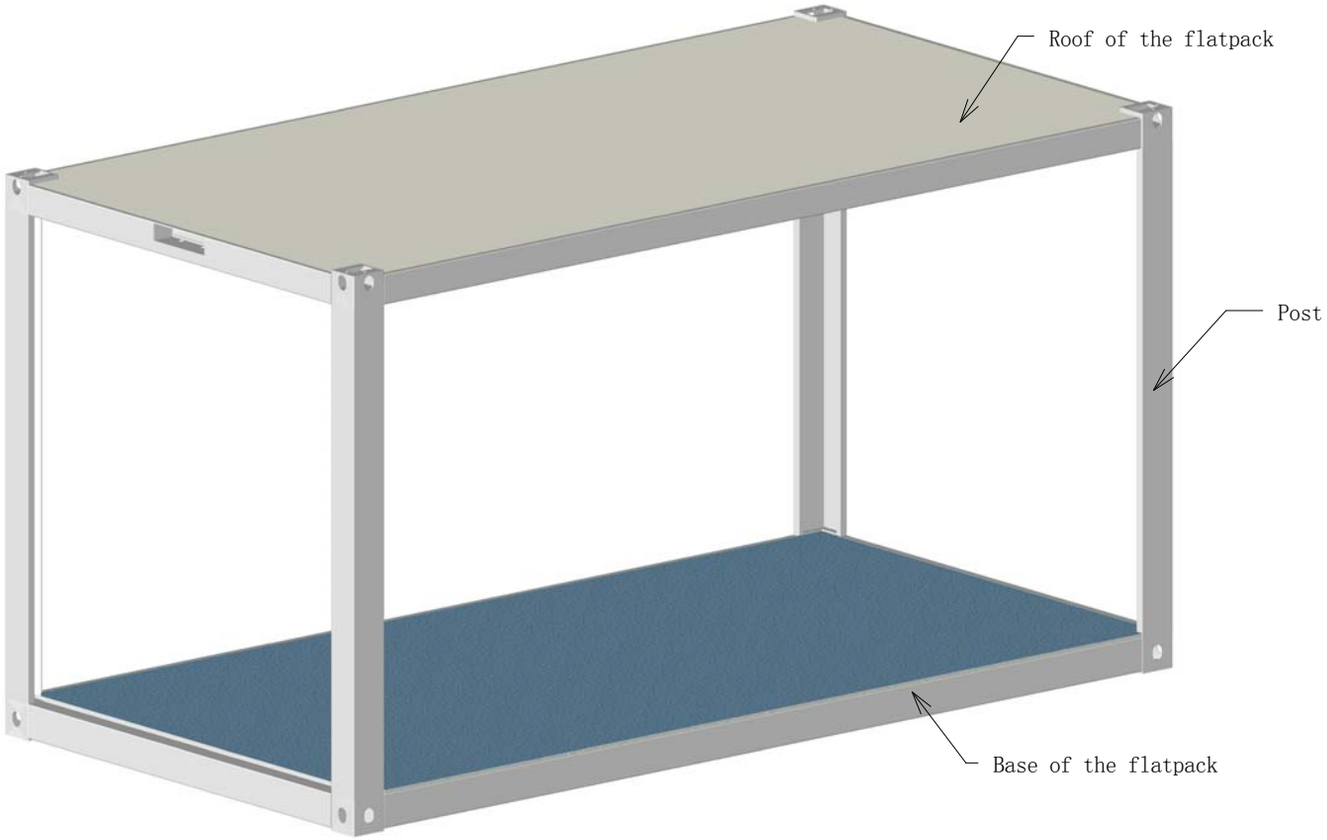
Specification of flatpack roof structure

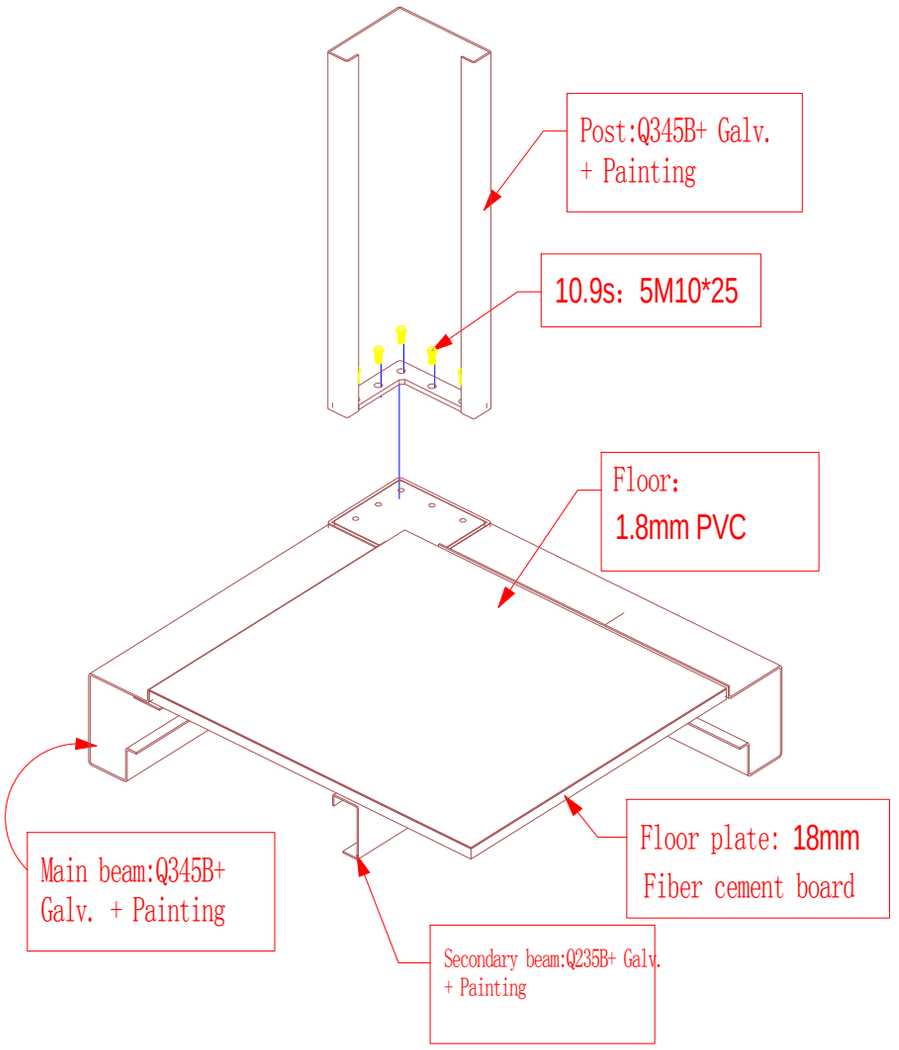
Material:1.ZL-1,ZL-2 are Q345B

2. Secondary beam and other parts are Q235B

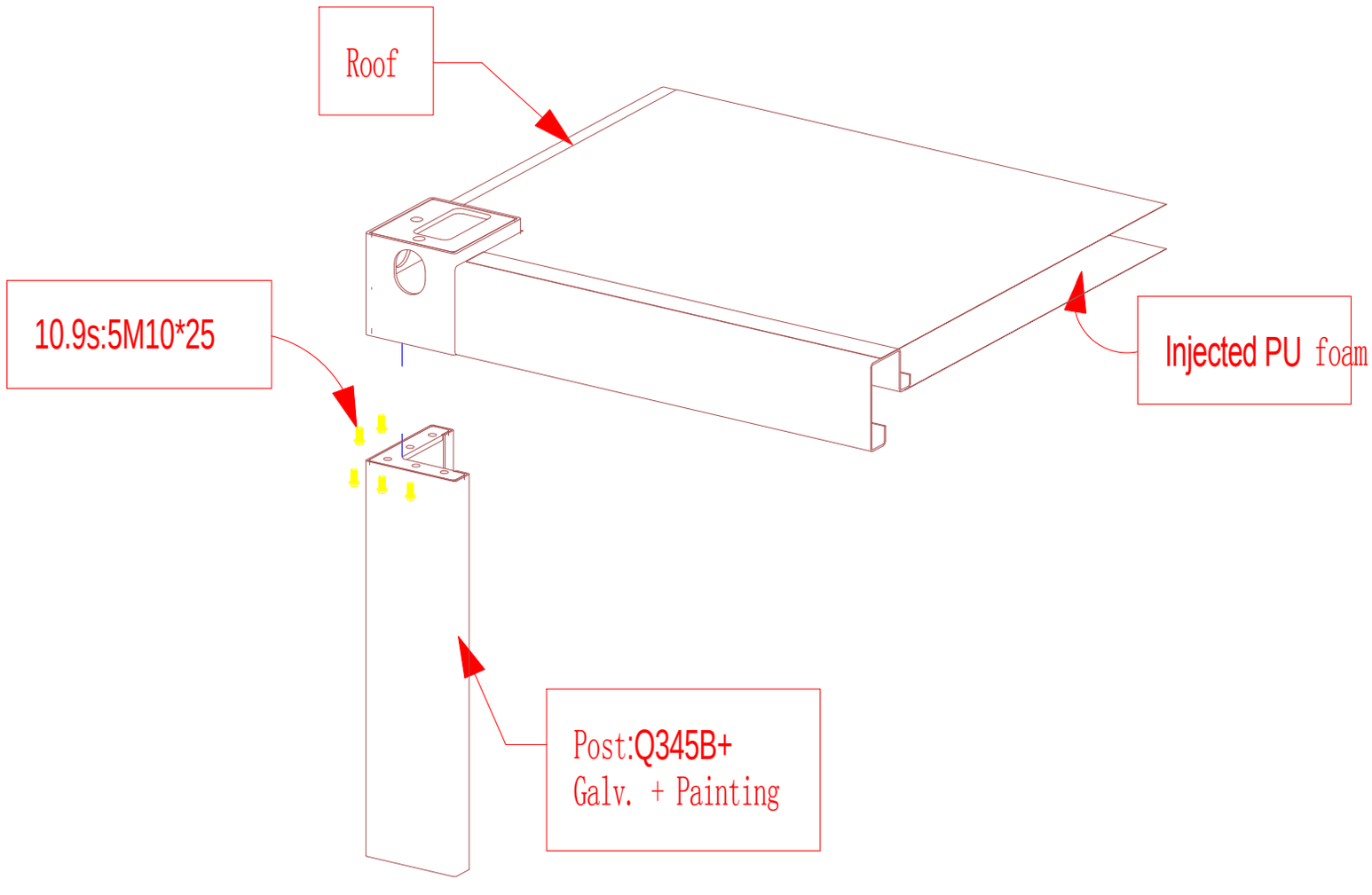
Surface treatment: Galv. 8~10um

Painting 60um

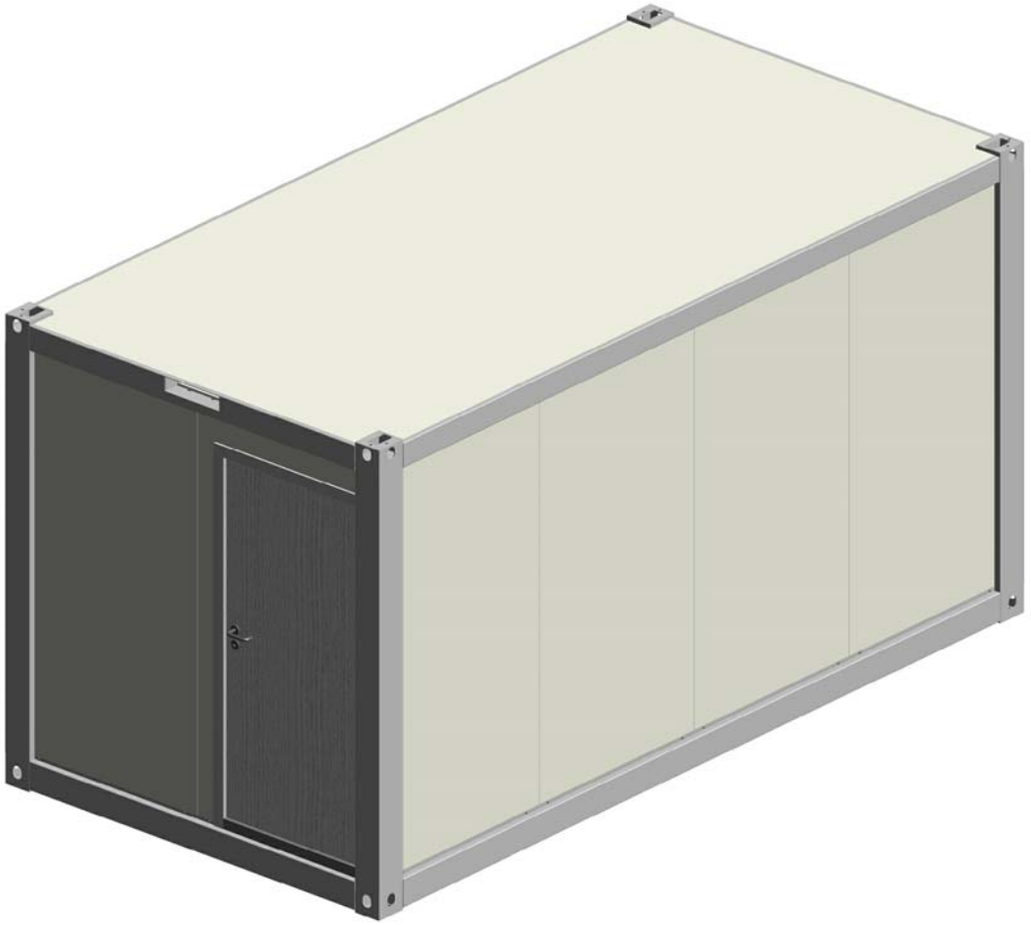




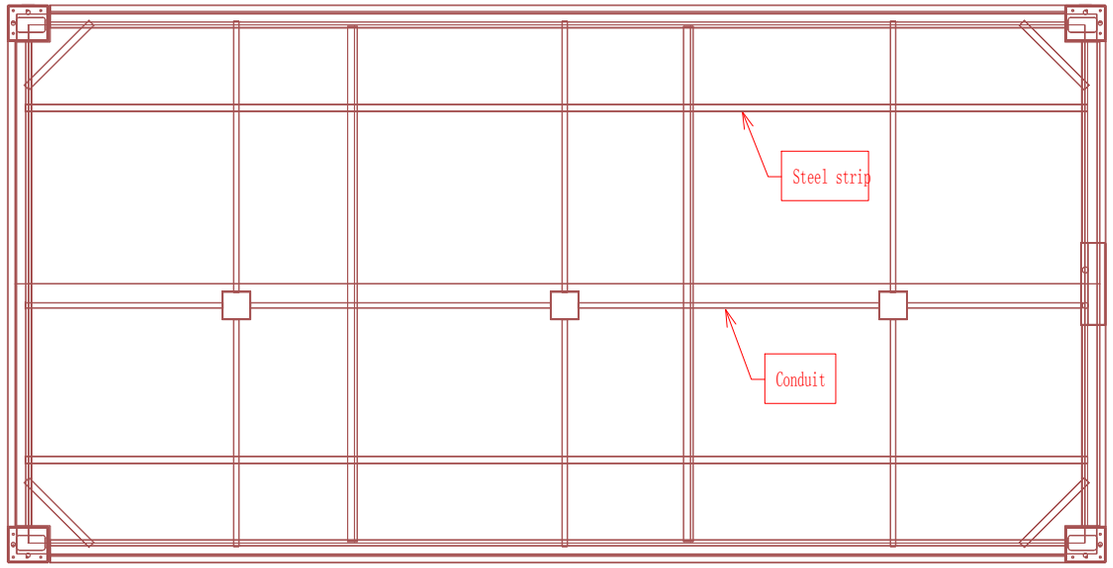
Connection detail drawing of post and base



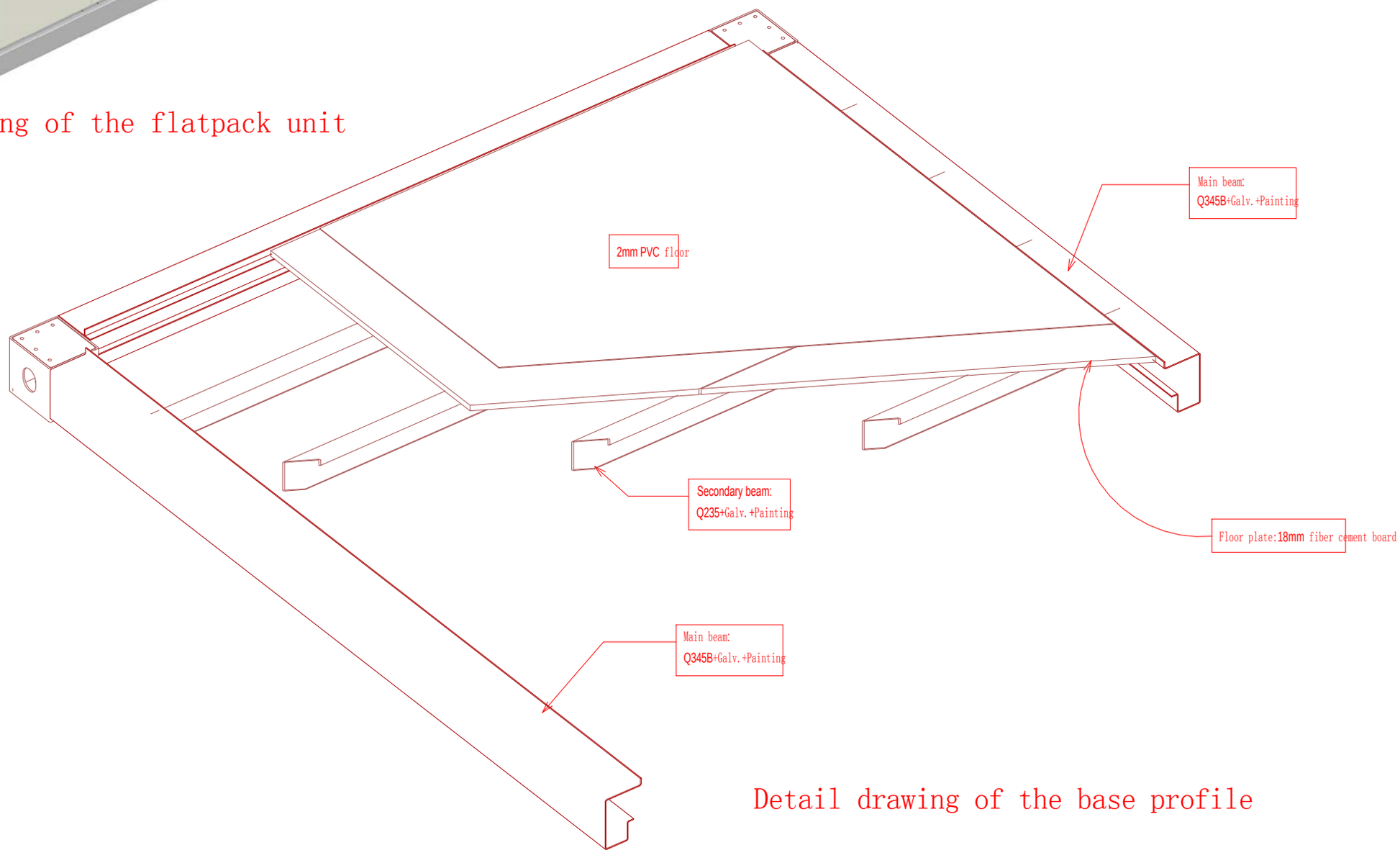
Connection detail drawing of roof and post



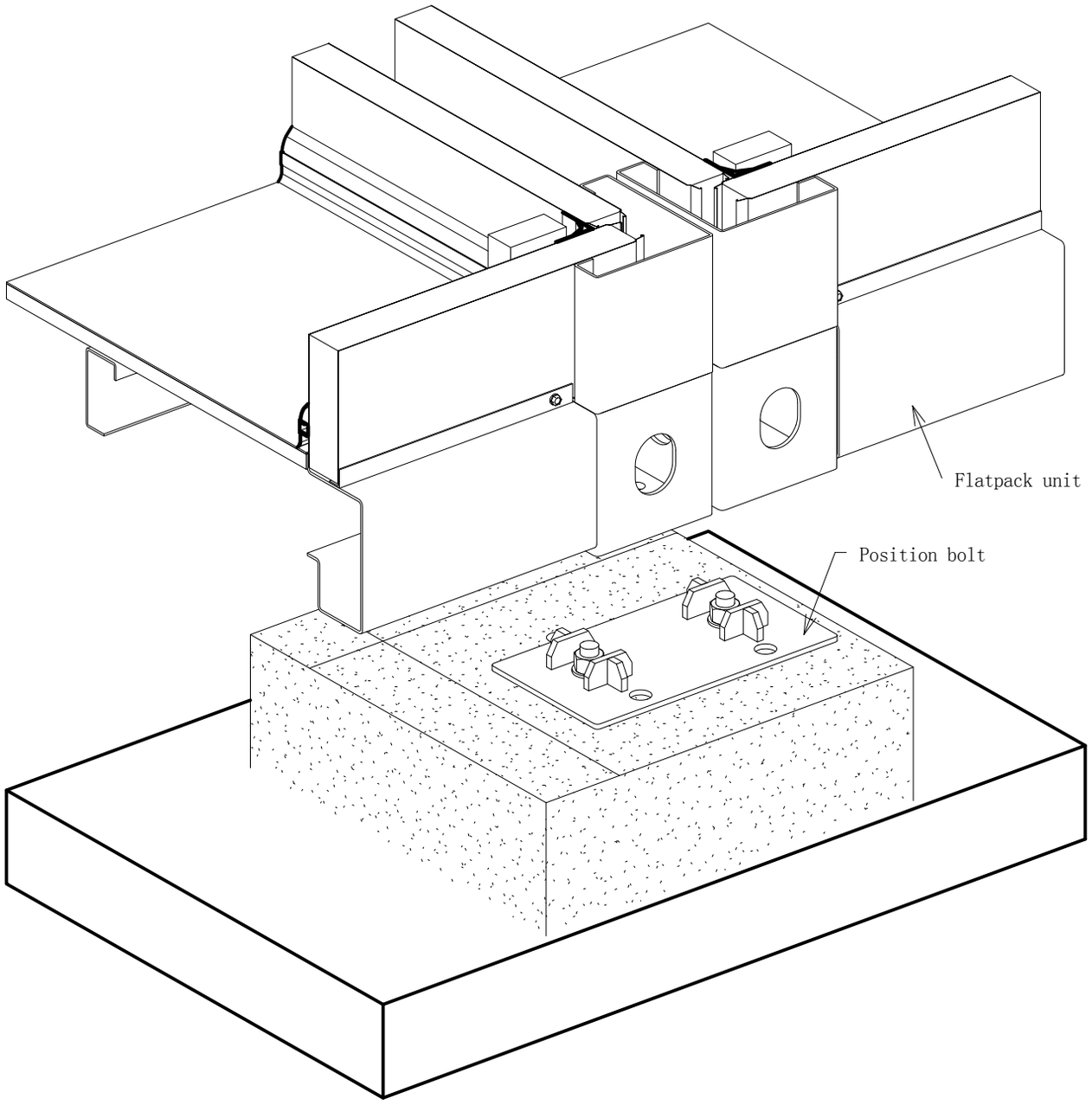
3D drawing of the flatpack unit



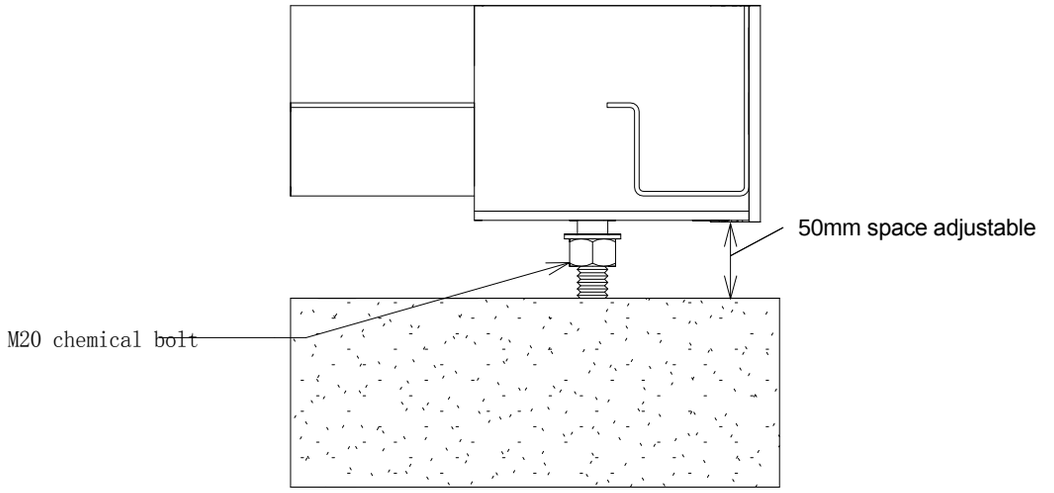
Roof layout



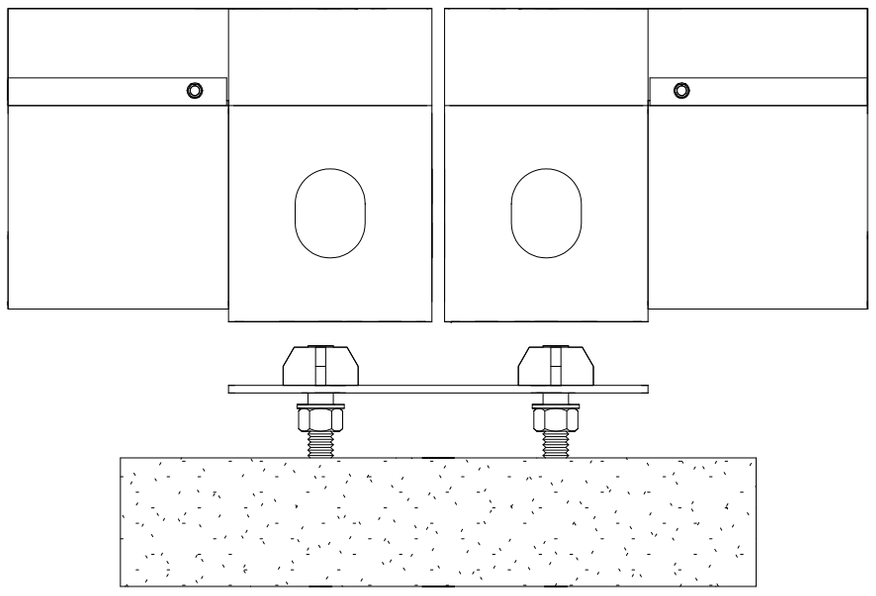
Detail drawing of the base profile



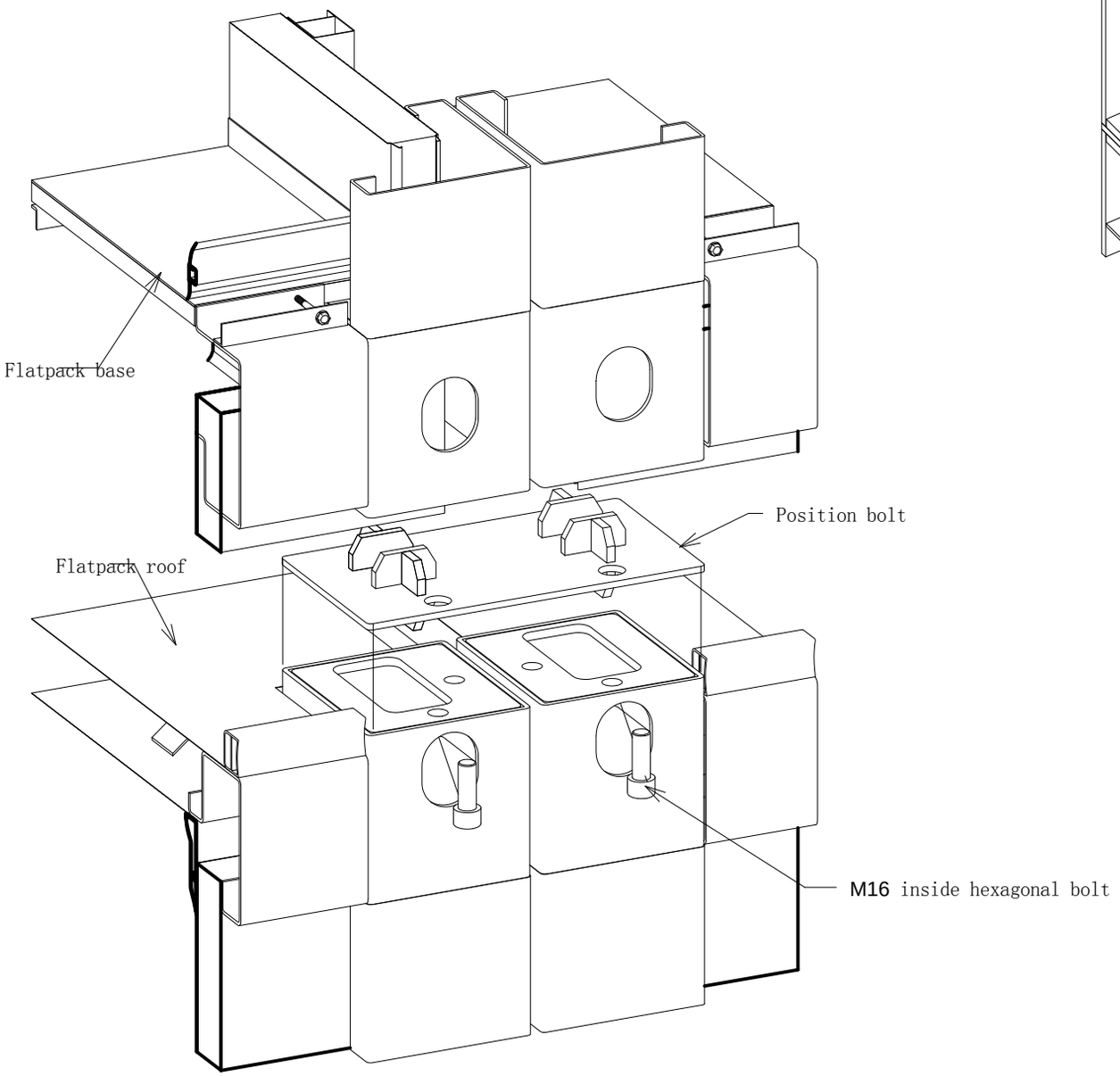
Connection between flatpack and foundation



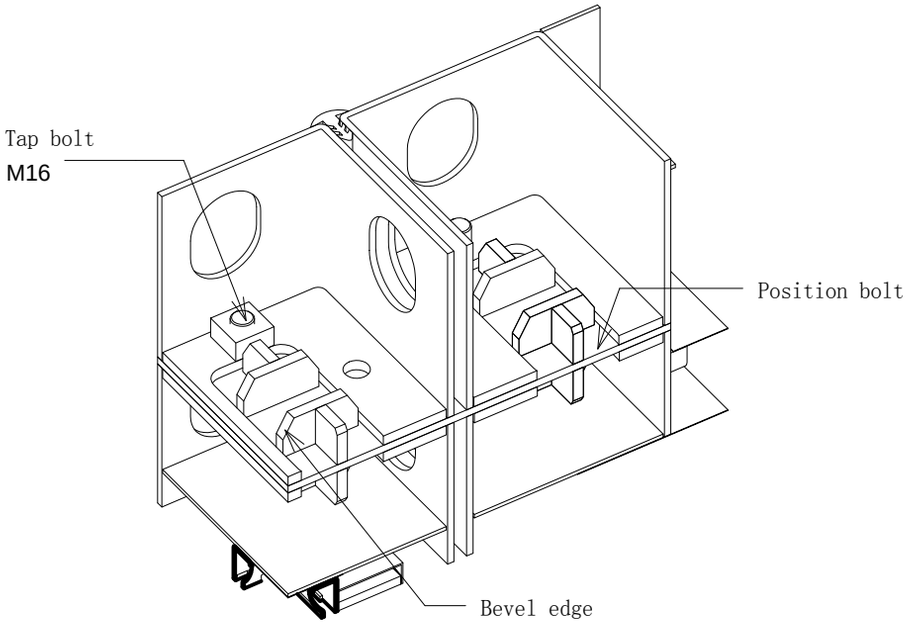
Connection between flatpack and foundation-3



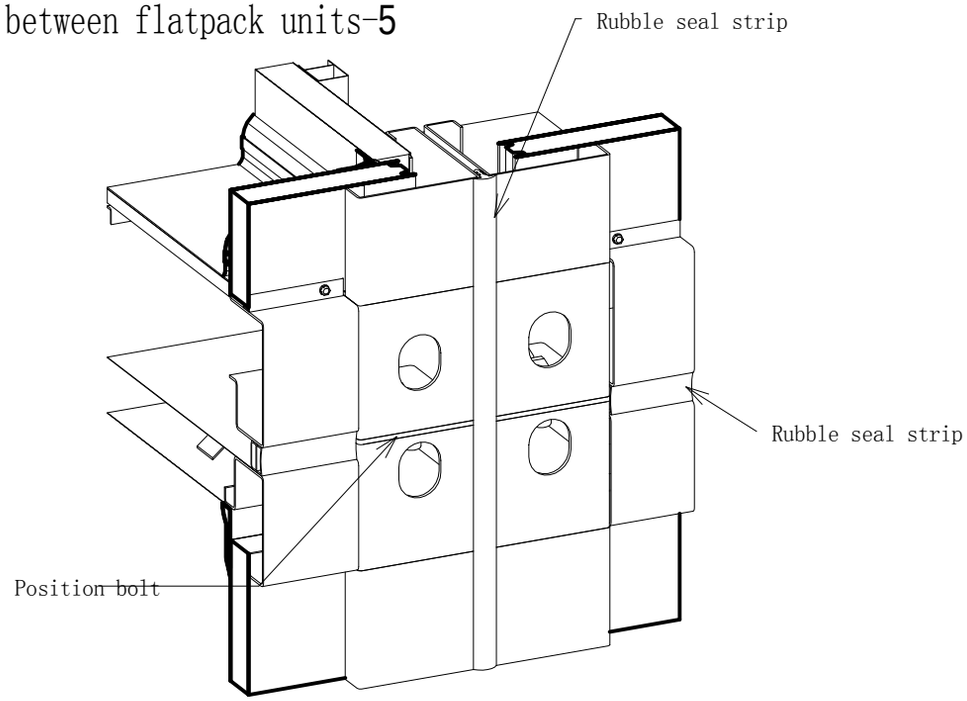
Connection between flatpack and foundation-2



Connection between flatpack units-1

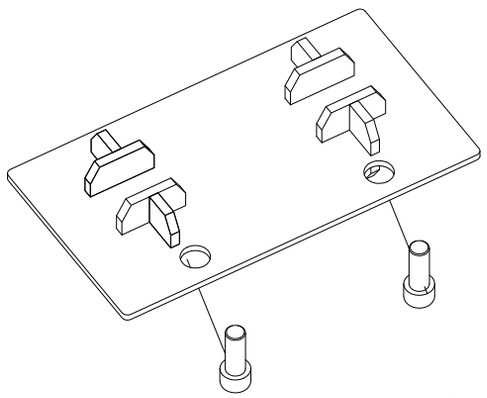


Connection between flatpack units-5

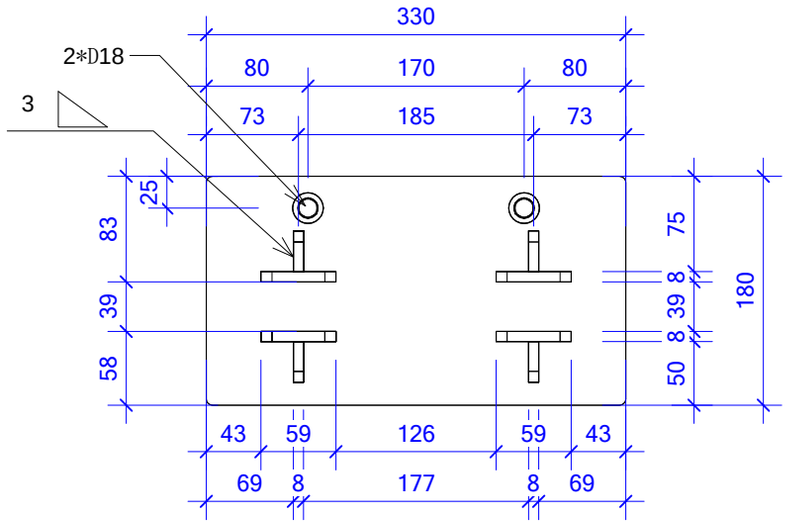


Connection between flatpack units-2

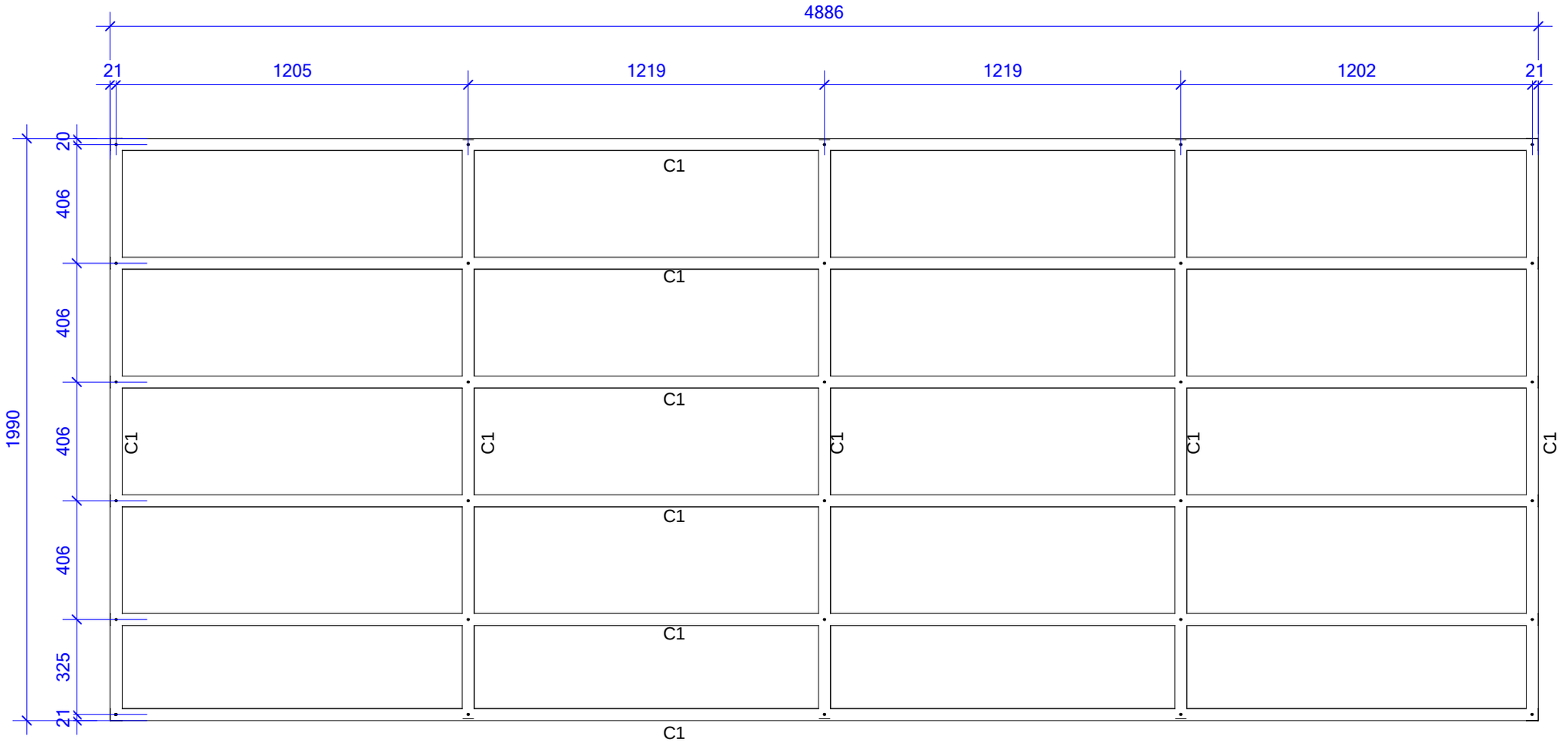
Elevation drawing of outside position bolt



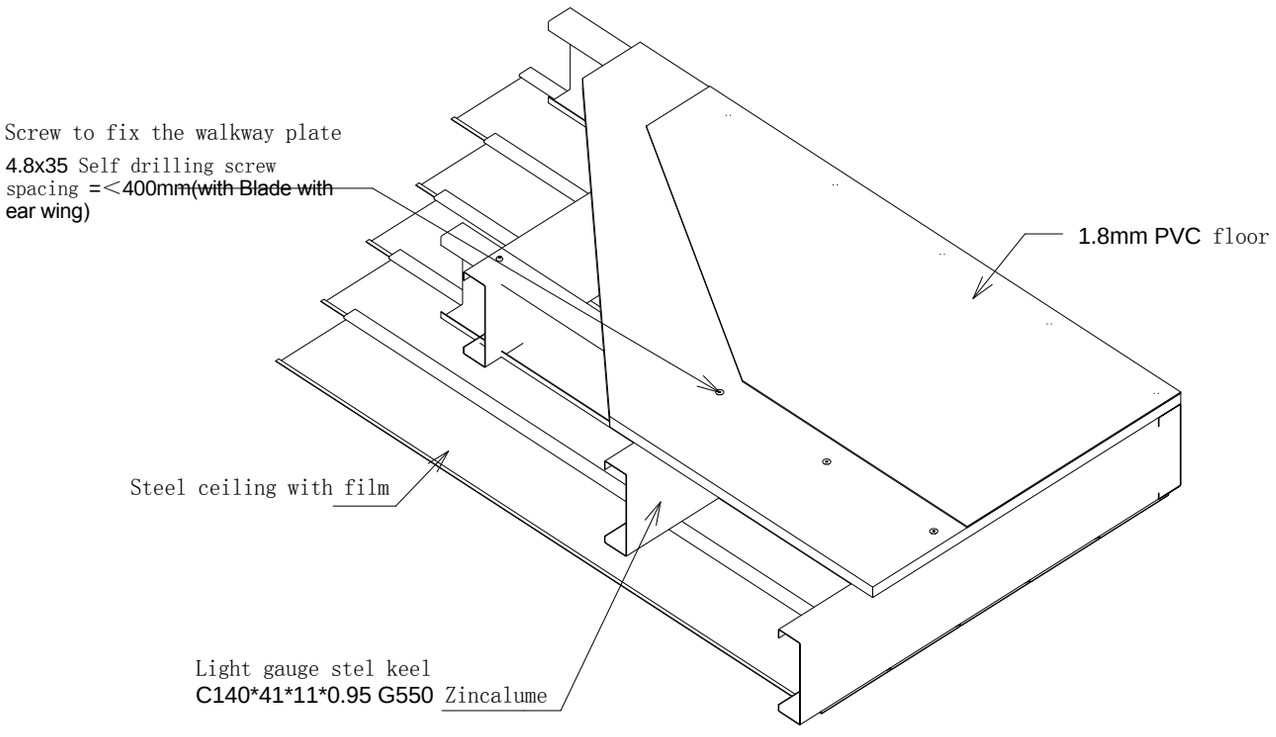
Outside position bolt-3D



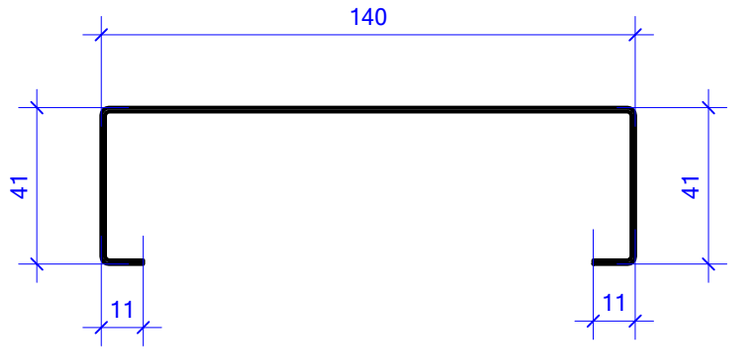
Outside position bolt layout



Structure layout of the walkway

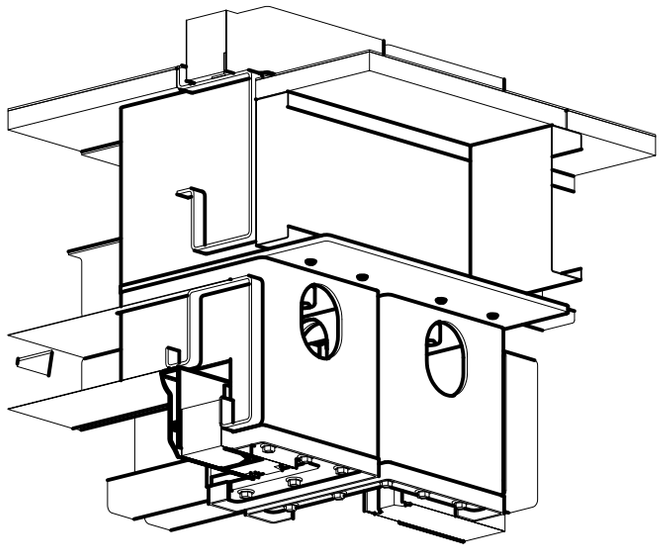


Section detail drawing for walkway system

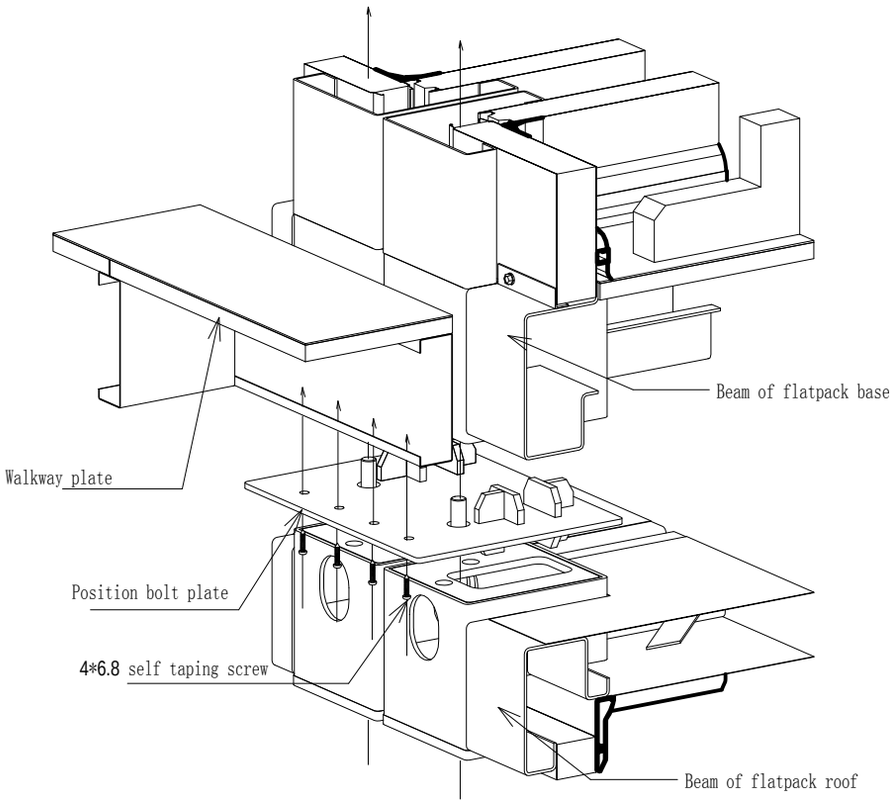


C section for the walkway structure:

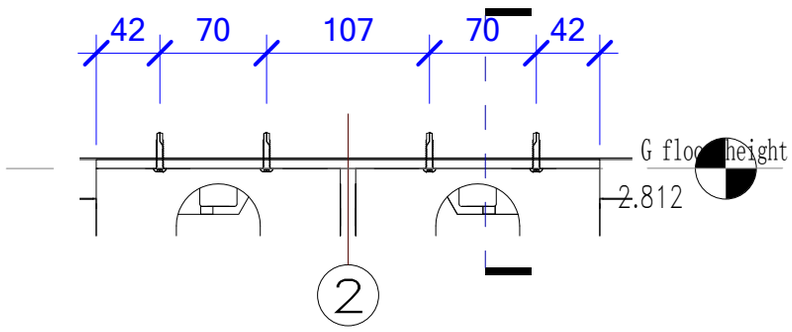
C1:140*41*11*0.75 G550 Zincalume



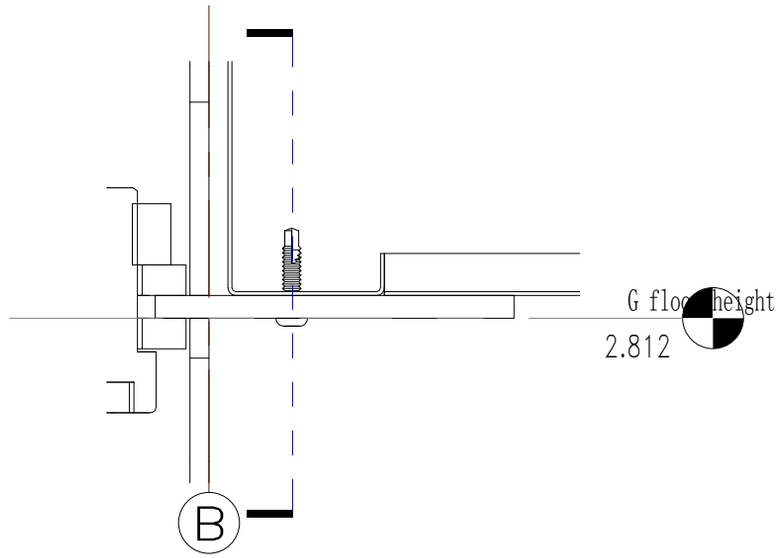
① Connection between walkway and flatpack 3D drawing



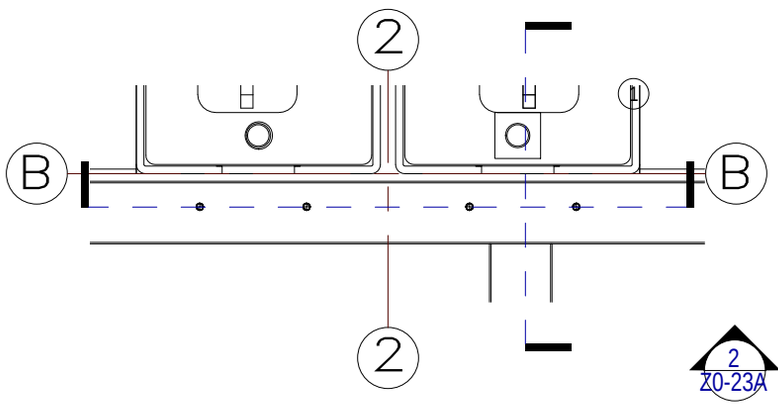
① Connection between walkway and flatpack-breakdown drawing



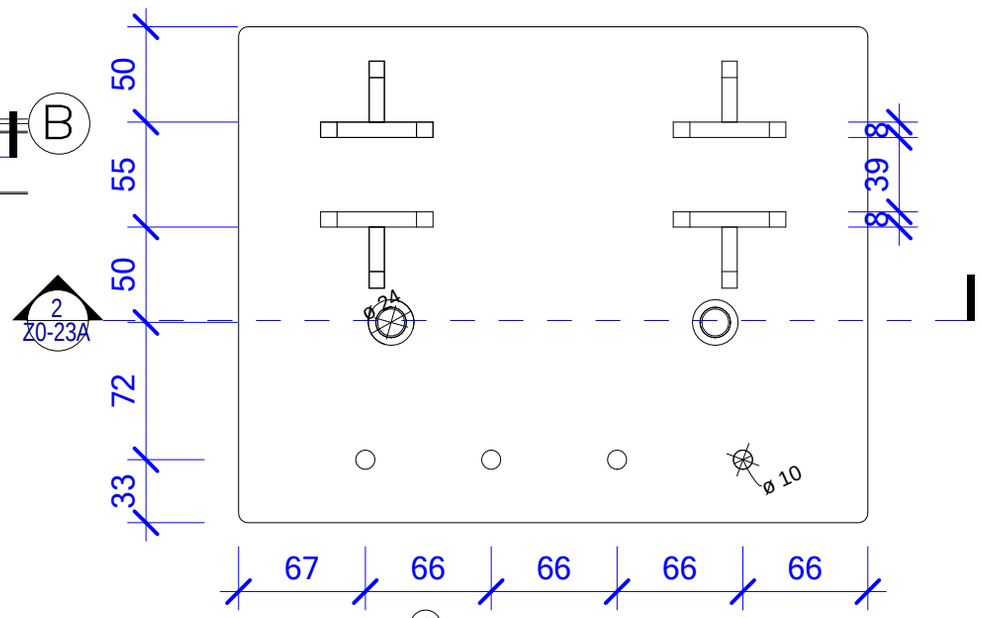
① Section drawing- 1-1



① Section drawing- 2-2

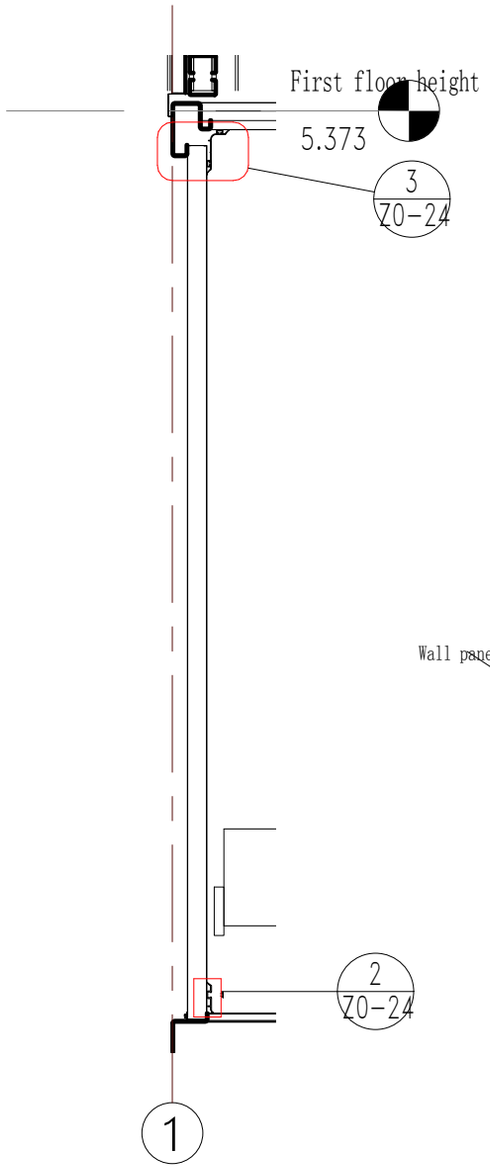


① Connection plan between walkway and flatpack

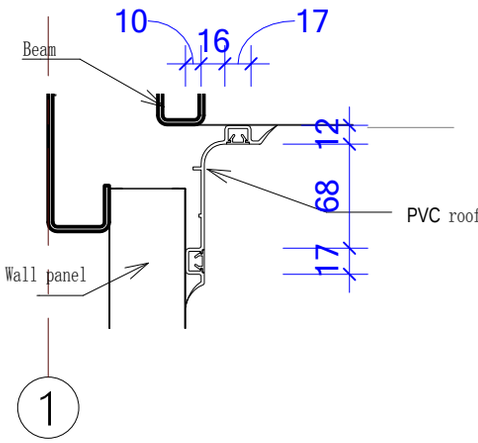


① Position bolt plate plan

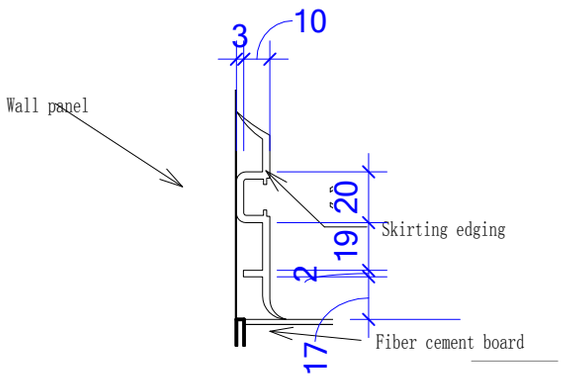
① Section drawing-2



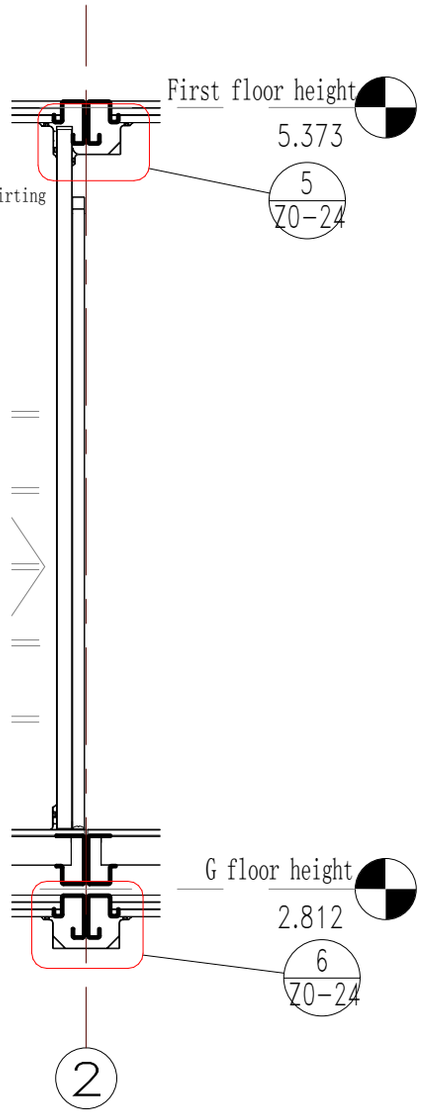
Section drawing-2



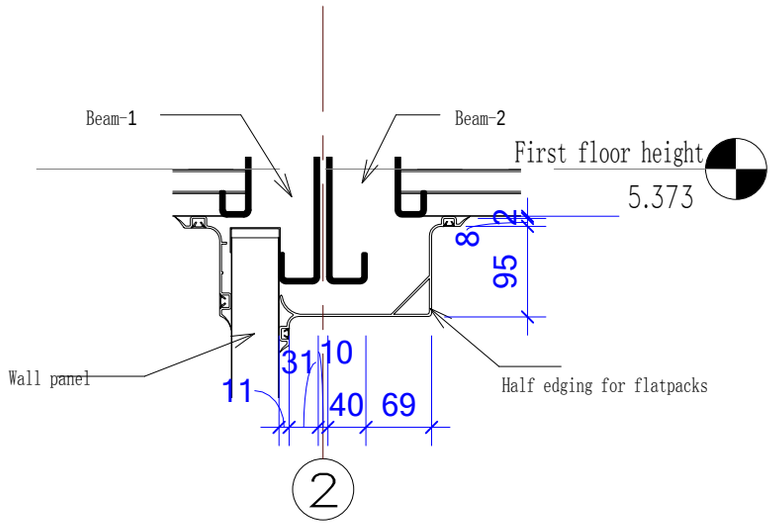
Section drawing-2-detail drawing 3-roof deco skirting



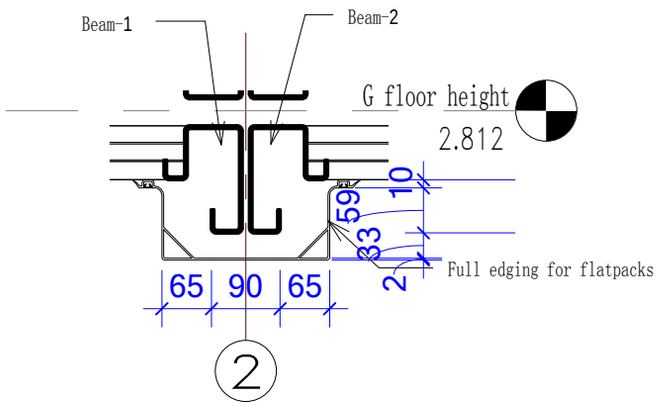
Section drawing-2-detail drawing 2-Skirting edging



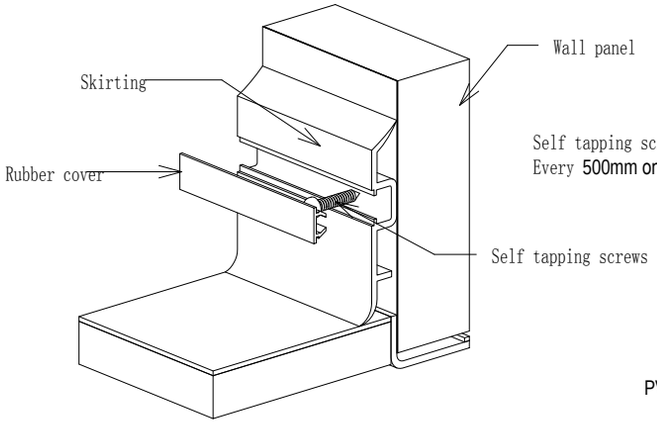
Section drawing-3



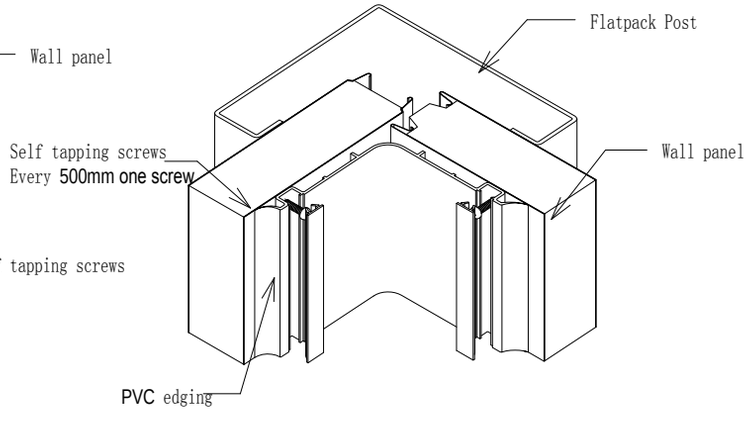
Section drawing-3-detail drawing 5



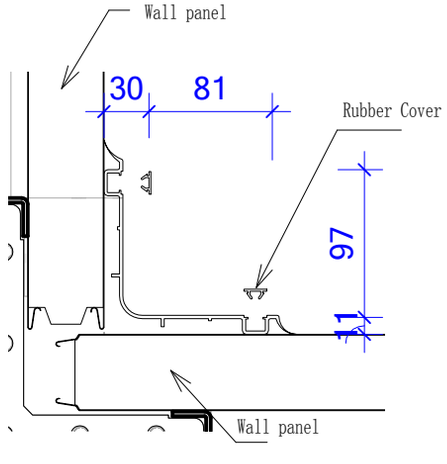
Section drawing-3-detail drawing 6



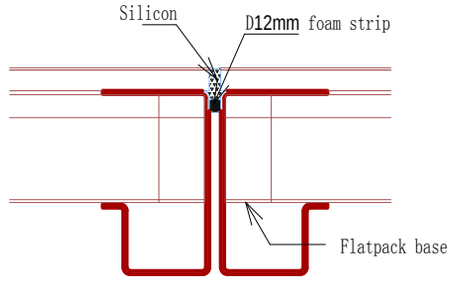
Skirting-3D drawing



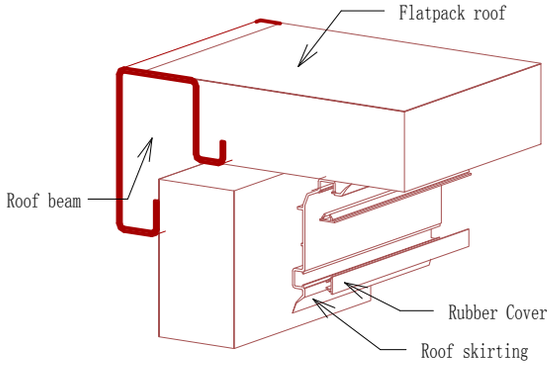
Overcast angle-3D

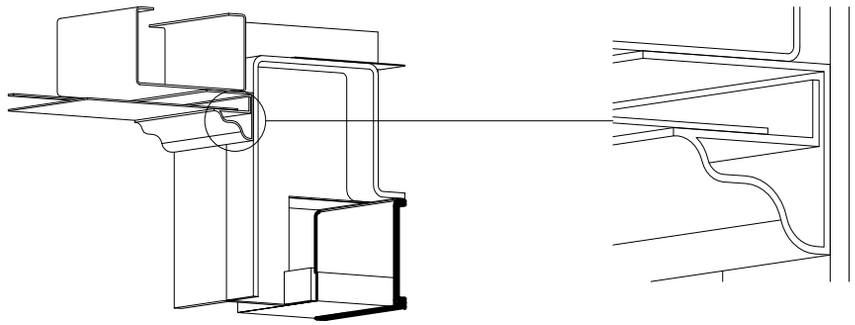


The overcast angle edging plan



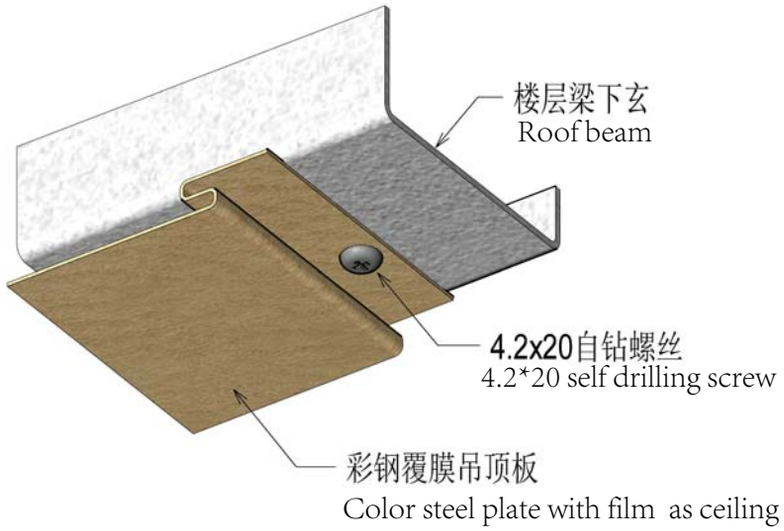
Connection detail drawing between flatpacks-inside

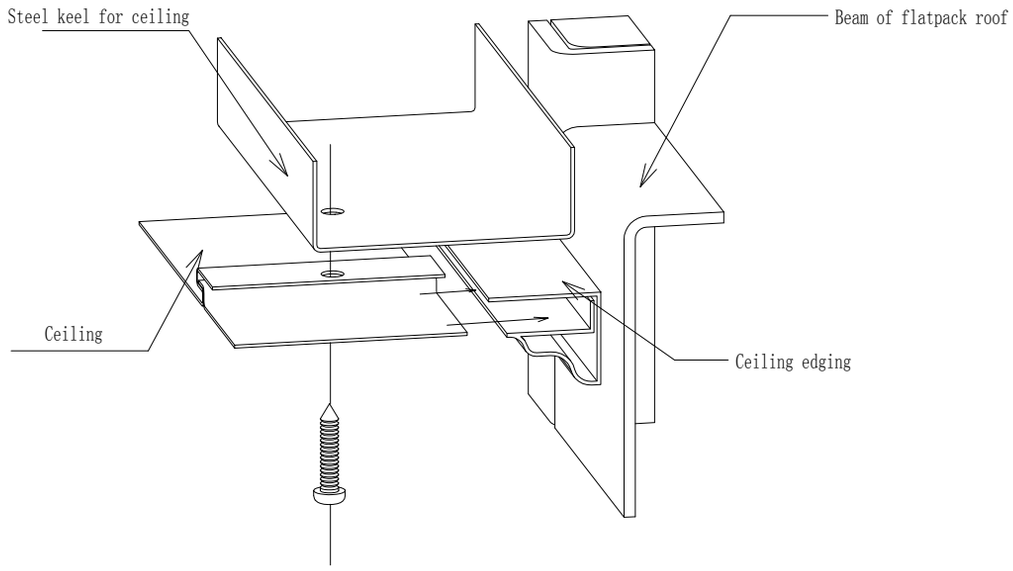




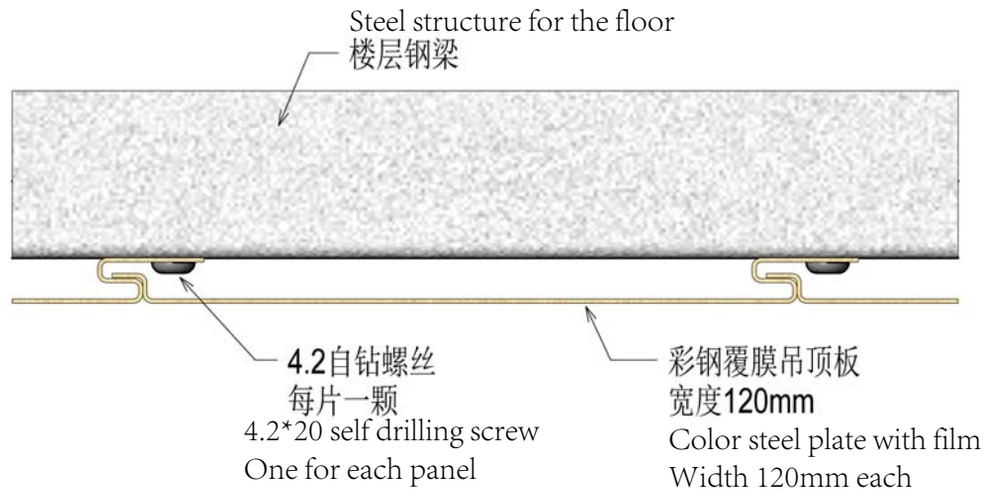
① Ceiling edging-3D

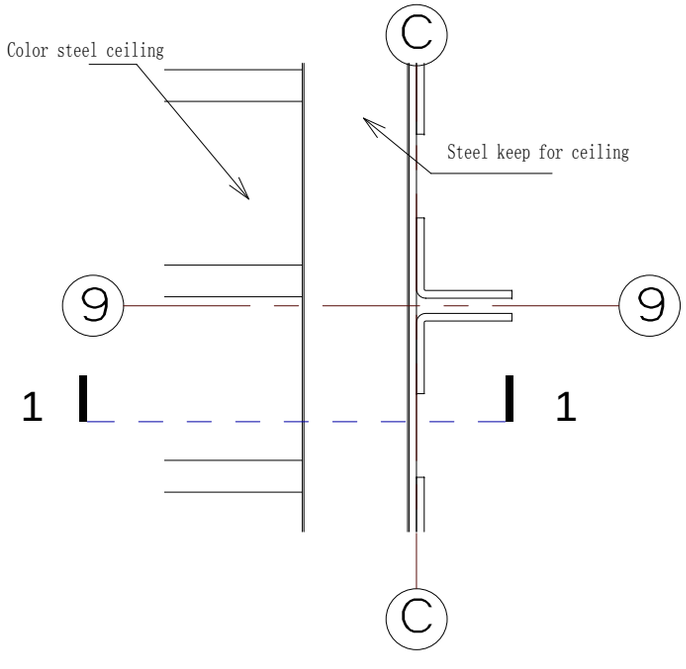
① Zoom in detail drawing



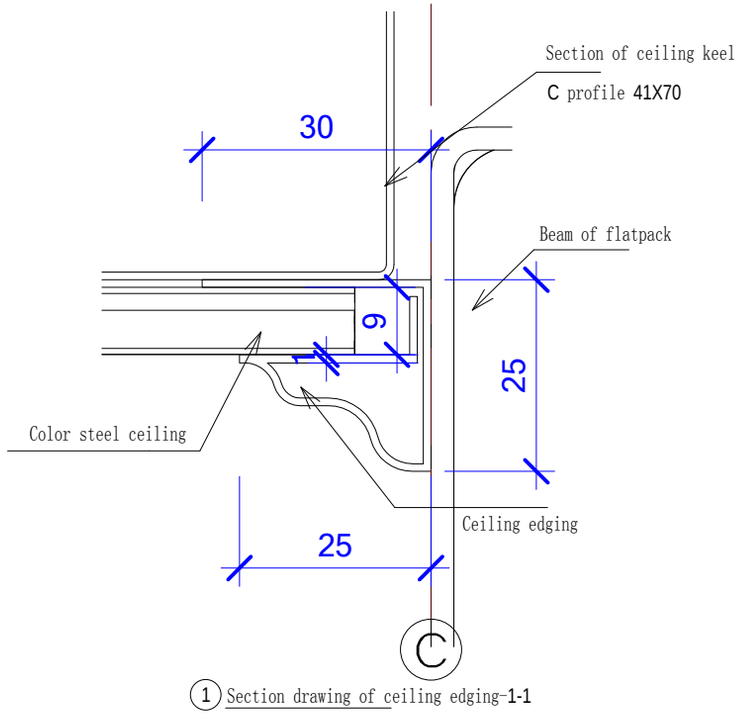


① Ceiling breakdown drawing

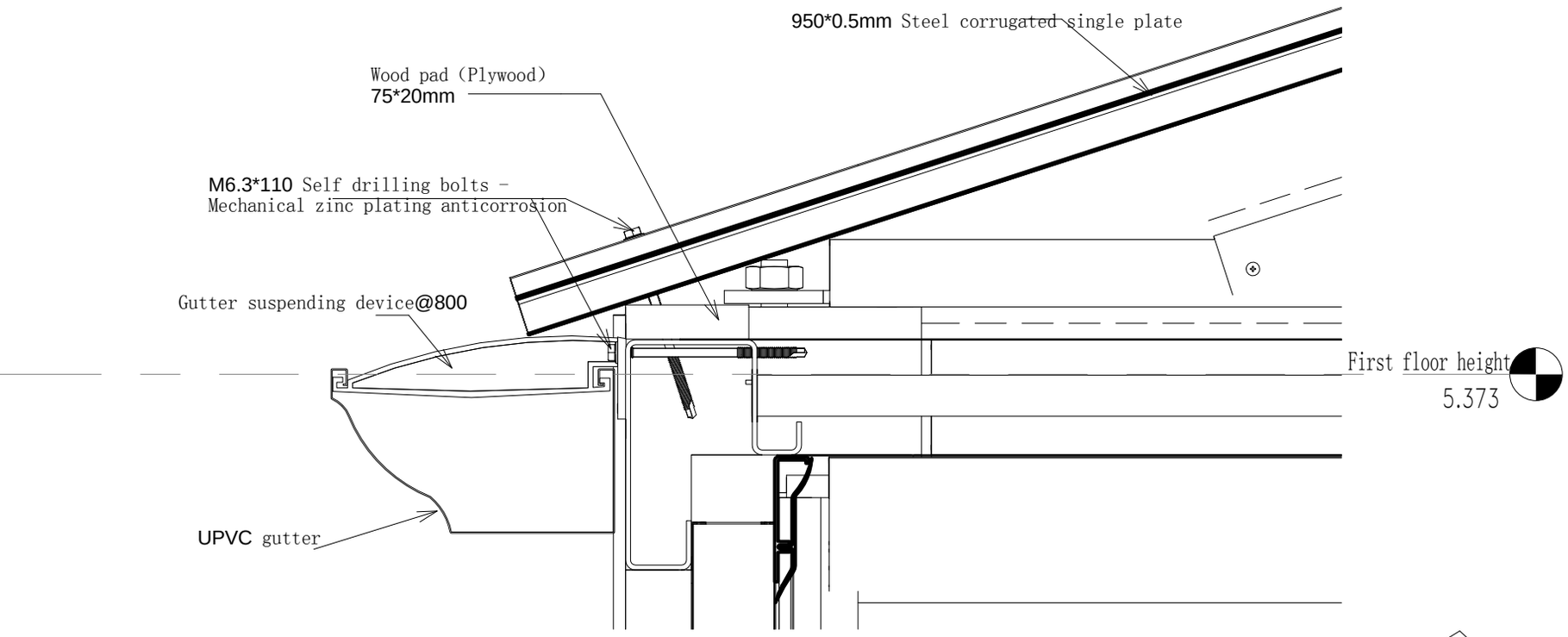




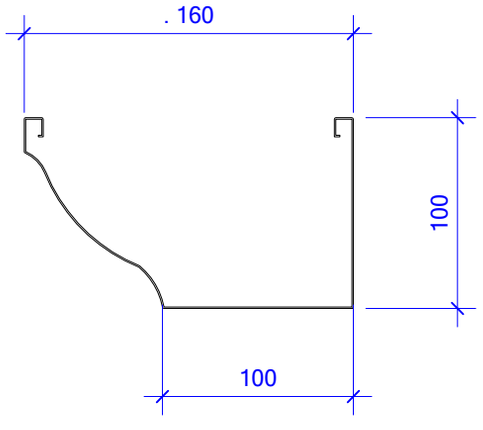
① Plan



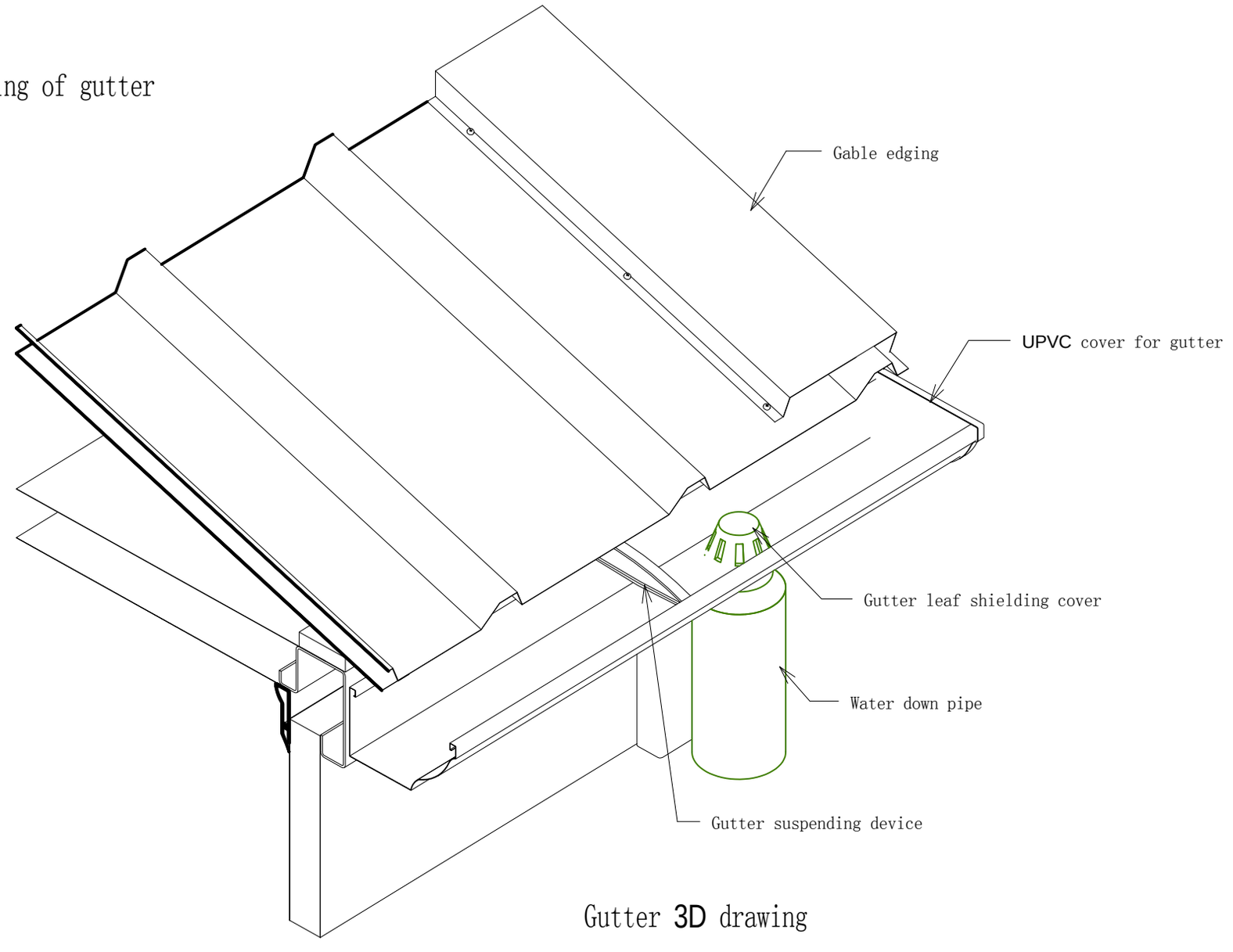
① Section drawing of ceiling edging-1-1



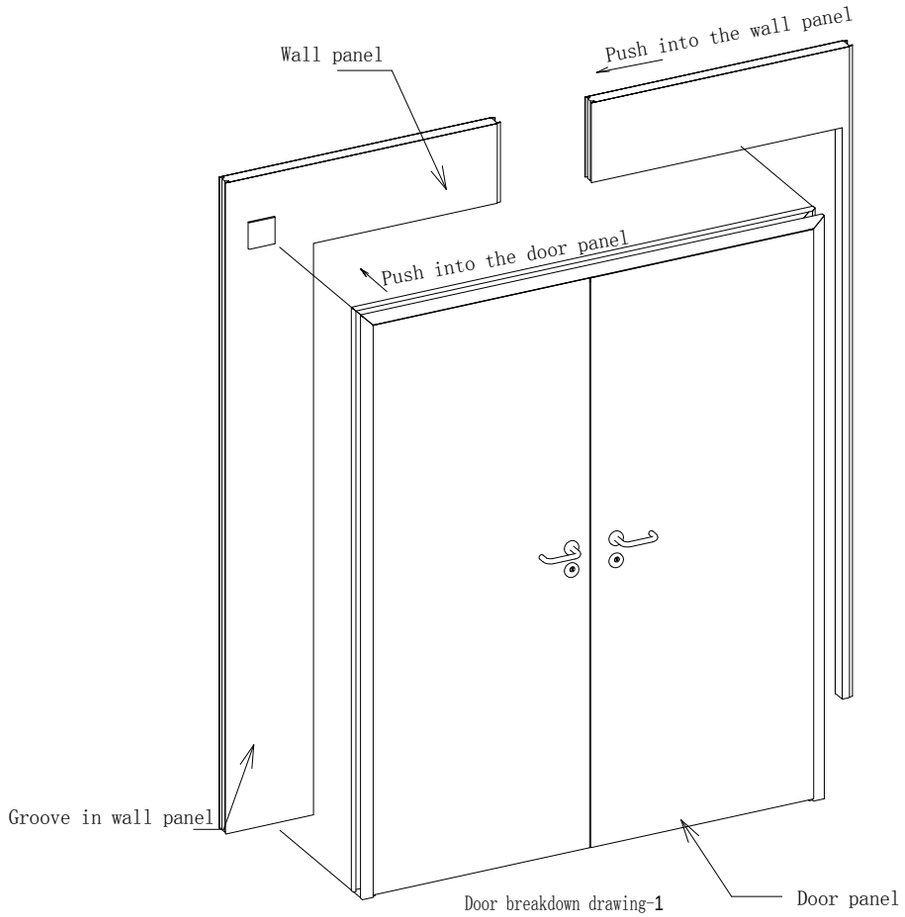
Detail drawing of gutter



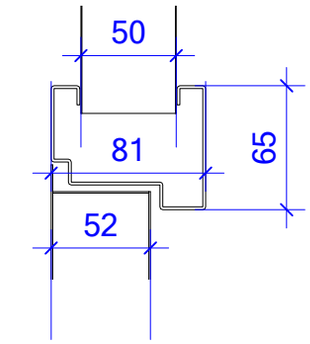
Section of gutter



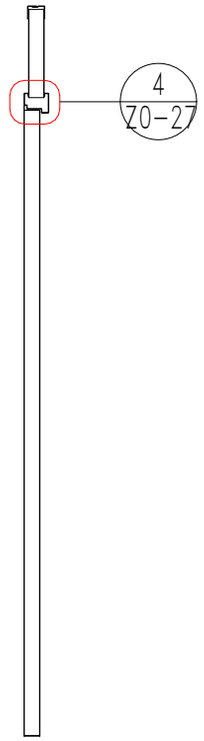
Gutter 3D drawing



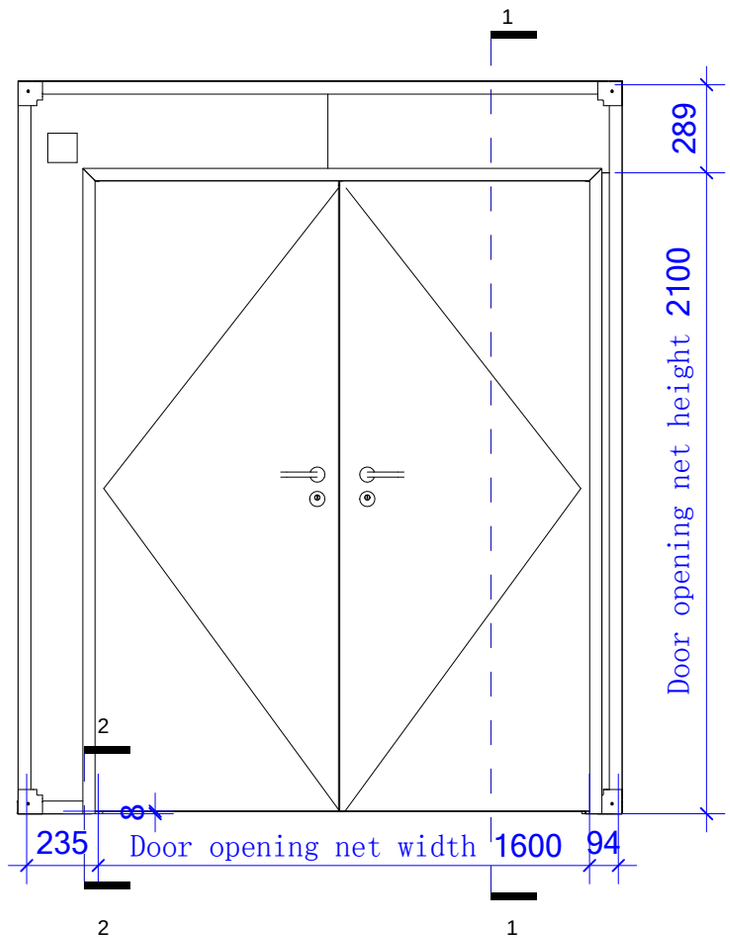
Door breakdown drawing-1



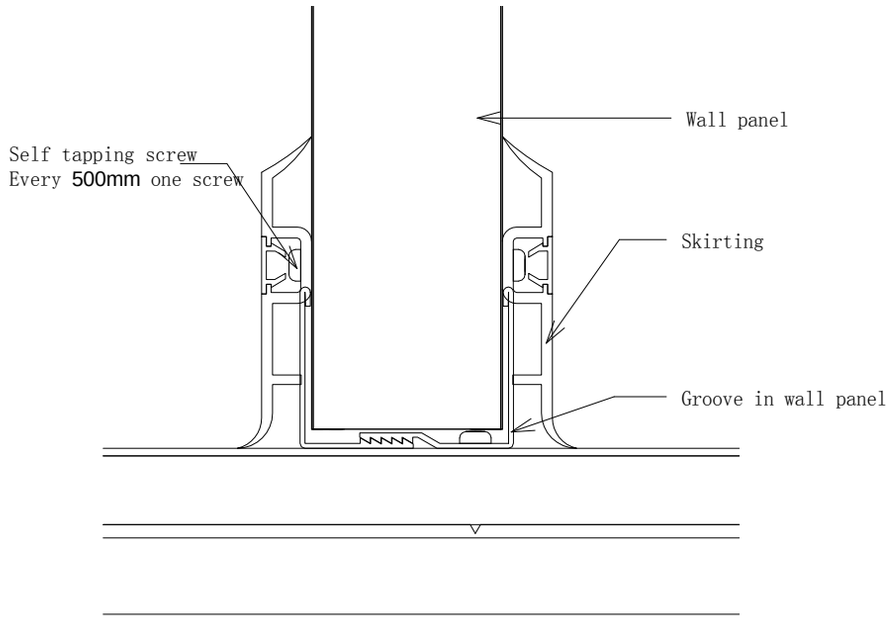
Section drawing-1-detail drawing 4



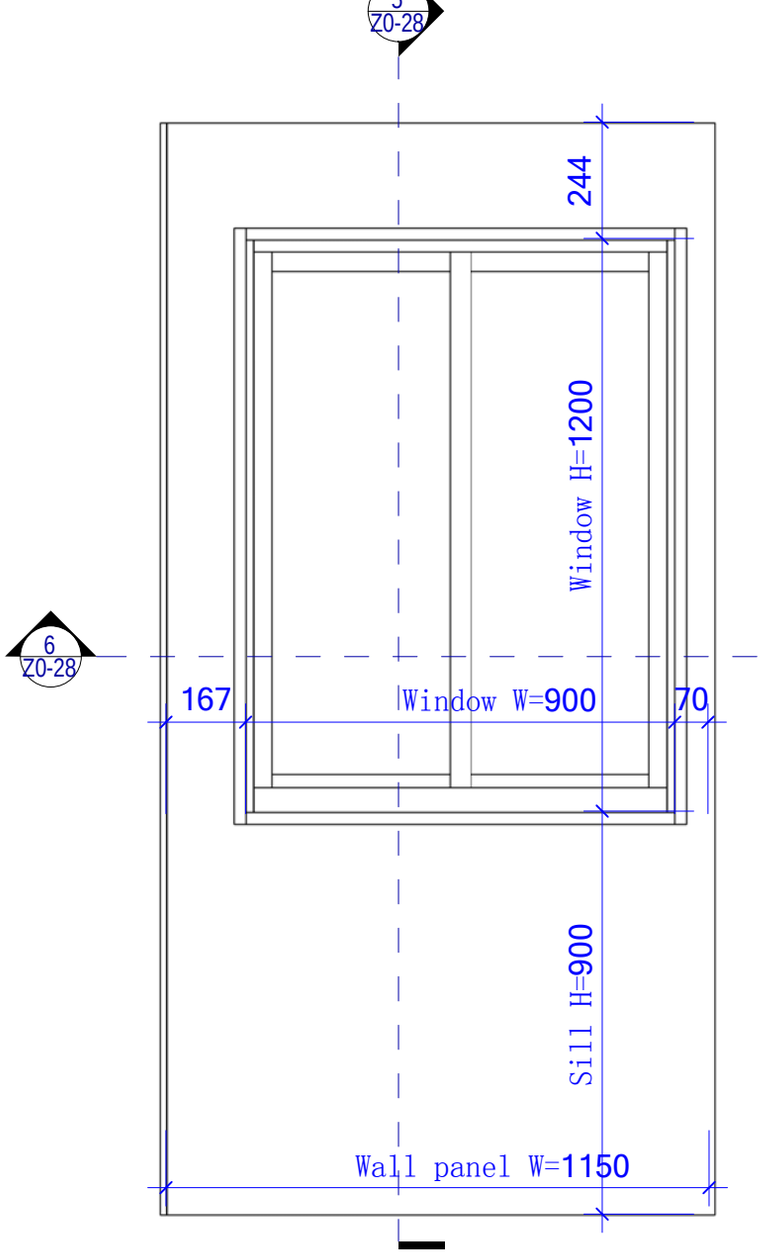
Section drawing-1-1



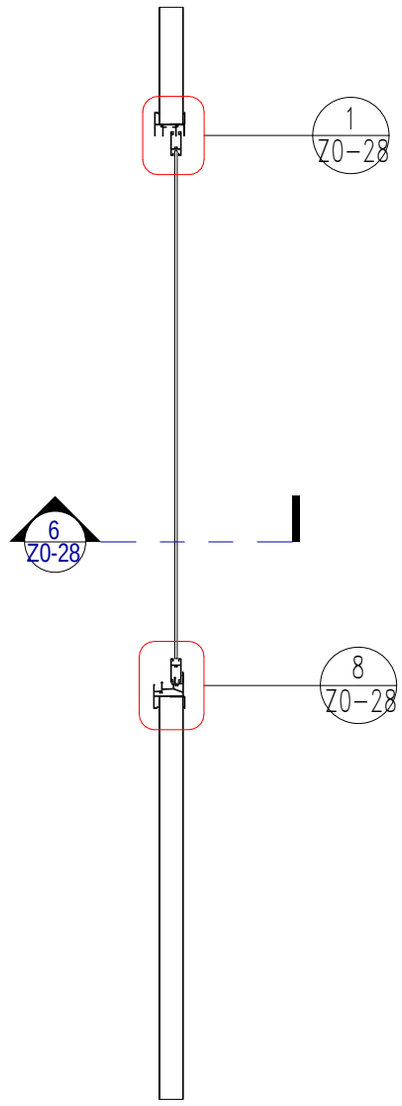
Wall panel with door



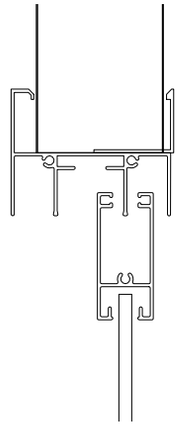
Section drawing-2-2



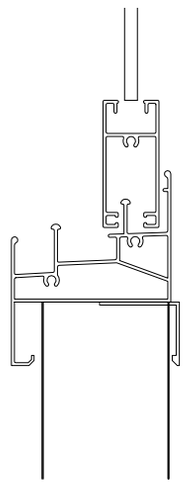
Wall panel with window



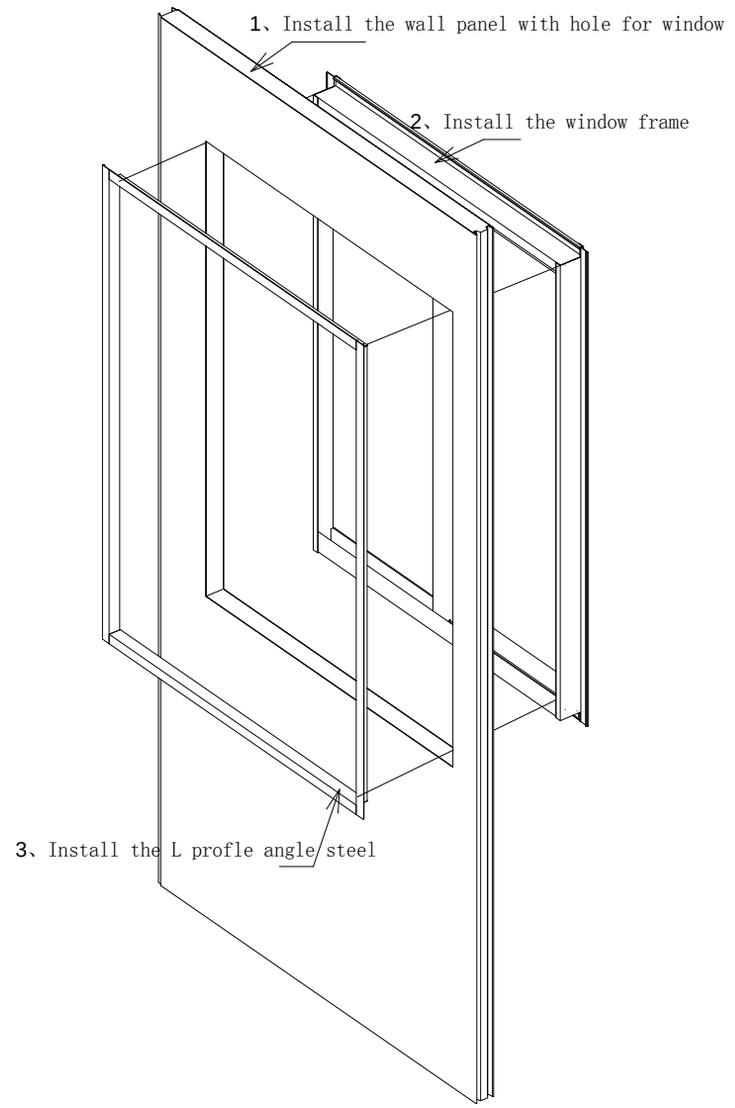
Section drawing-5



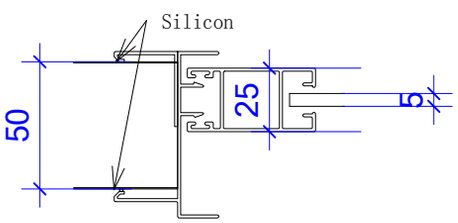
Section drawing-5-Detail drawing 2



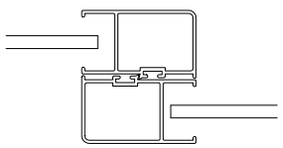
Section drawing-5-Detail drawing 8



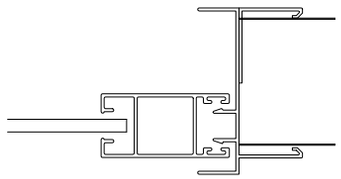
window breakdown drawing-1



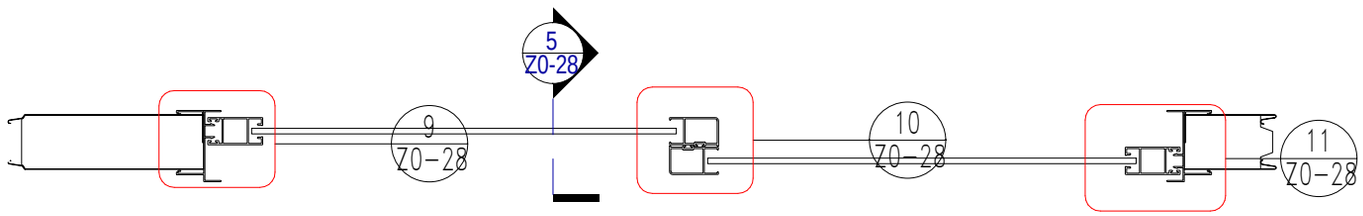
Section drawing-6-Detail drawing 9



Section drawing-6 Detail drawing 10



Section drawing-6 Detail drawing 11



Section drawing-6