

36X9m Greenhouse Plan

Location:		
Project:		
J		

Category detai

Project manager:	Gavin
Proofreading:	Jim
Designer:	Gavin
Cartographer:	Carl
Verify	Gavin

Version: 2015. 10. 005

Project No.

Date of drawing



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- 1. Design display
- 1. Relevant information provided by the other party, planning plan and construction plan approved by the other party and related departments.
- 2. The 2009 edition of the relevant national planning and design standards and specifications.
- "National Civil Building Design Technical Measures" 2009 edition
- "Code for Fire Protection Design of Buildings" GB50016-2014
- "Industrial Building Deviation Design Code" GB50046-2008
- "Code for Building Ground Design" GB 50037-2013
- "Technical Specification for Roofing Engineering" GB50345-2012
- 2. Project summary
- 1. Construction site: Thailand
- 2. This project is 36X9 meters sunlight and belongs to the greenhouse. The production hazard category is D, the fire resistance level is second, and the shape is marked. The non-fire limit of the character is as follows: column (non-combustibility) 2.5h, beam (non-combustibility) 1.5h, Roof load-bearing special (non-combustible) 1.0h
- 3. Design service life: reasonable and safe use, main structure 5 years. Seismic fortification intensity: 7 degrees.
- 4. Building area: 324m<sup>2</sup>. Building storeys: one storey; storey height: 6.2m.
- 3. Description of fire protection design
- 1. This project is a single-story light steel structure, and the maneuverability with other surrounding buildings meets the requirements of the code.
- 2. The building wisdom meets the specification requirements.
- 3. The first floor of this project is 1 partition with 3888m<sup>2</sup>

Four, roofing works

- 1. The specification of the water tank is  $\delta$ =150x130x35x3.5mm, the maximum displacement is 140mm/h, the slope of the water drainage tank is 5%, and the water pipe. It is UPVC with a diameter of 110mm.
- 2. The top is covered with 8mm PC sunshine board.

Five, elevation, size unit

- 1. This project 0.000 is equivalent to the absolute elevation, see the general plan, and the indoor and outdoor elevation difference is 0.15m.
- 2. The dimensions in this project except for the elevation are in meters (mm).

Six, wall engineering

- 1. The concrete brick wall is 240mm thick if the elevation is below 0.500 meters,
- 2. The outer wall of 0.600 meters or more adopts 8mm PC board as follows, the specific construction principle:
- 1) Using 8mm solar panels, the initial light transmittance is more than 80%, and the service life is more than 10 years.
- 2) Supplement for summoning assistance: High-strength alloy profile fixation. It is manufactured according to the national standard (GB537.1~5237.5-200000 summoned building type), and the material is subjected to a 6061 high-intensity load. Adopt top surface contact treatment. The thickness of the oxide film is higher than the national standard. Do strengthen processing. The roof top is anti-storm design, with a tendency of 22+1.
- 3) Sealing rubber strip: The sealing strip between the glass and the penetrating profile adopts an EPDM strip that is resistant to the sun, which is not easy to disinfect, has good sealing performance, and has good professional blood performance.
- 7. Project description
- 1. The size of doors and windows pops up in the hole. The size of the door and window must be adjusted before on-site construction, and installation information must be left during production.
- 2. The design only shows the division of the facade, the opening method and the size of the opening. The opening direction of each door and window can be referred to the floor plan of the building.
- 3. The wind pressure resistance of the exterior window is level 2, the watertight performance is level 3; the air sound insulation performance is level 3.

Eight, the use of drawing pictures

- 1. When the design adopts diagrams, general diagrams, standard nodes or all detailed diagrams, the relevant nodes and related nodes and instructions in the atlas should be fully coordinated with the construction.
- 2. When designing with reference to a standard drawing, the original window should have the strength calculated by the manufacturer, and it should meet the requirements of beauty, sturdiness, and safe use. The construction unit shall carry out the rest according to the standard drawing and design requirements.
- 9. Other
- 1. During the construction process of each professional, please cooperate with each professional work type, and the design and the actual site can be started without error.
- 2. The description and design complement each other, and the company's various professions should be strictly committed during construction.
- 3. If any errors, omissions, bumps, deficiencies and failures in the design are found, the construction unit and construction unit should contact the designer in time.
- 4. The unspecified design requirements below are subject to construction acceptance in accordance with national arrangements and relevant standards.
- 5. The construction drawings of this project are for the export of the civil works. The internal shading system, roof opening system, fan curtain wet cleaning system, power distribution system, internal circulation system, and Internet of Things control system are designed and manufactured by the unit designated by the construction party for window tools.

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Designer:	Gavin
Cartographer:	Carl
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	DWG.NO. DESCRIPTION				
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DRAWING LIST					
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GENRAL PLAN

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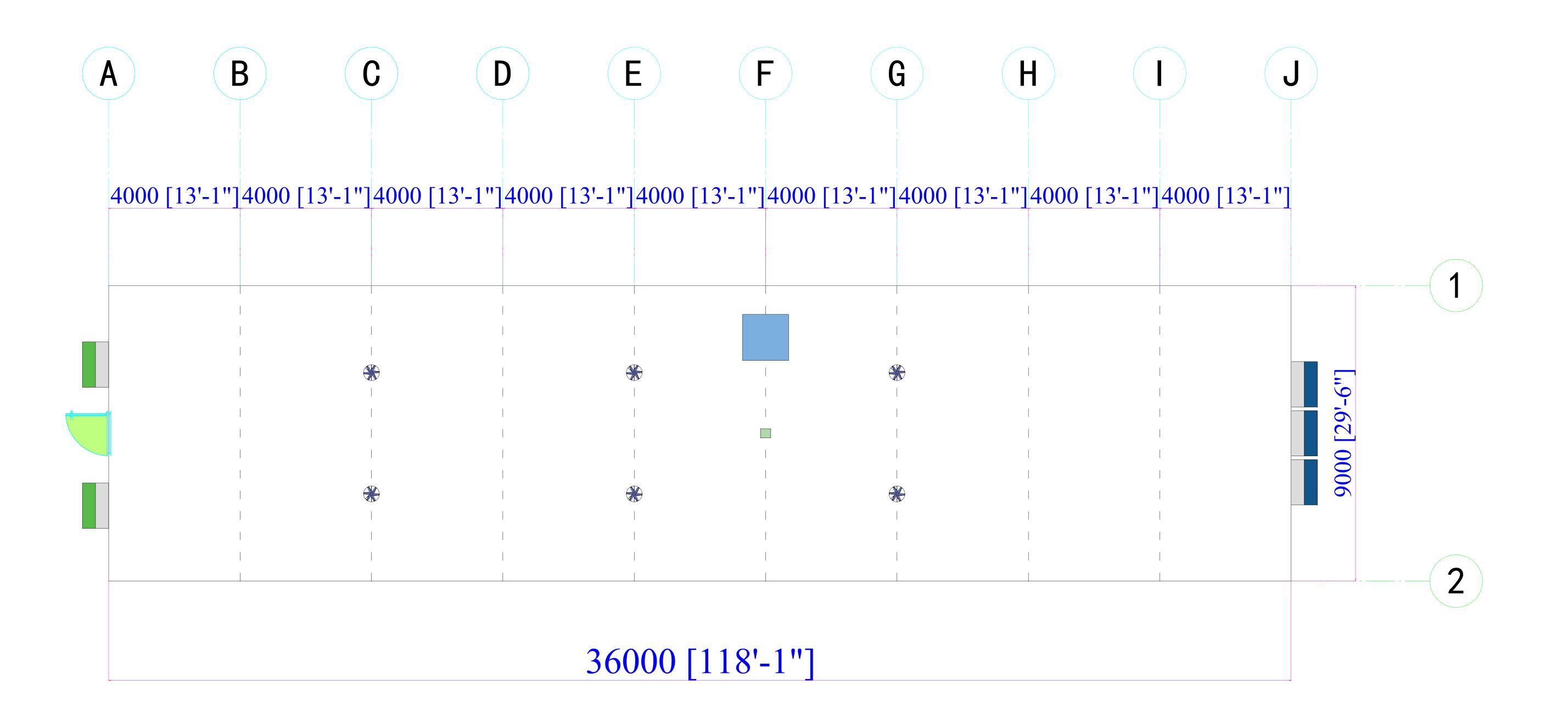
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DESCRIPTION		QTY	Client Locat
LOUVER SHUTTER WITH LIGHT TRAPS		3	Projec
54" EXHAUST FANS WITH LIGHT TRAPS		2	
DEHUMIDIFIER		1	Categ
BLACKOUT MOTOR		1	
CIRCULATION FAN		6	
	·		1



## EQUIPMENT PLAN

Main unit: mm Conversion unit: ft

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Proofreading:	Jim
Designer:	Gavin
Cartographer:	Carl
Verify	Gavin
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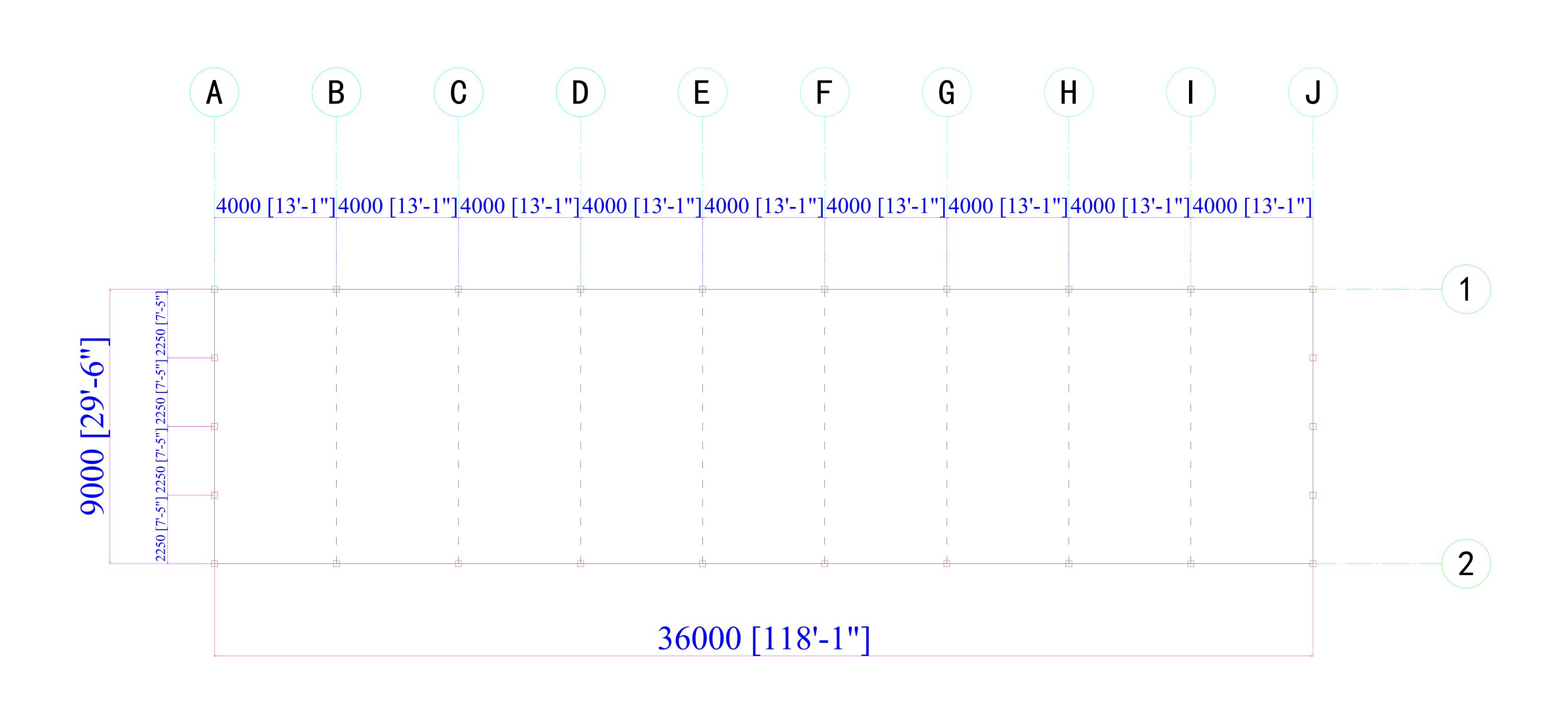
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COLUMN PLAN

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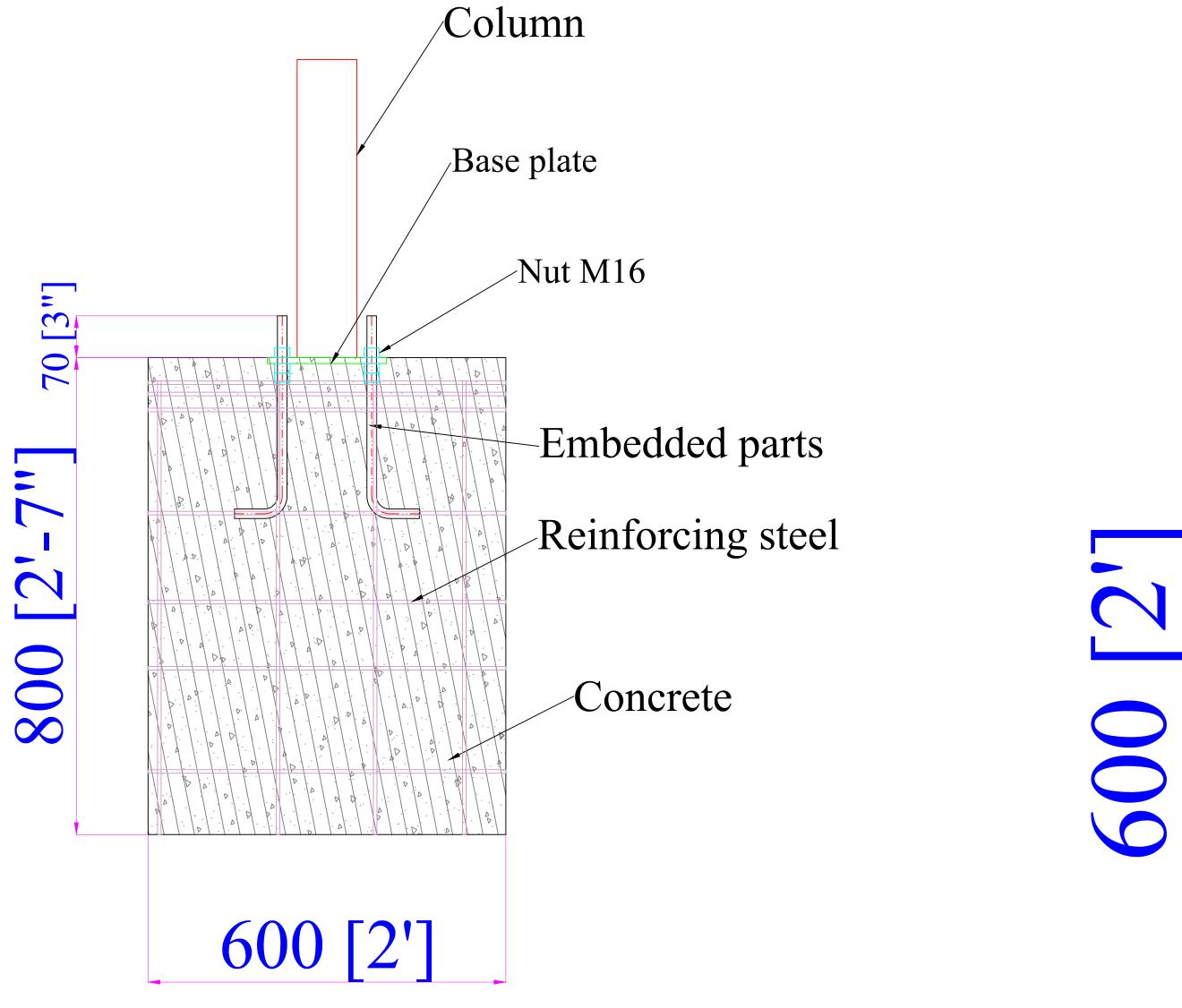


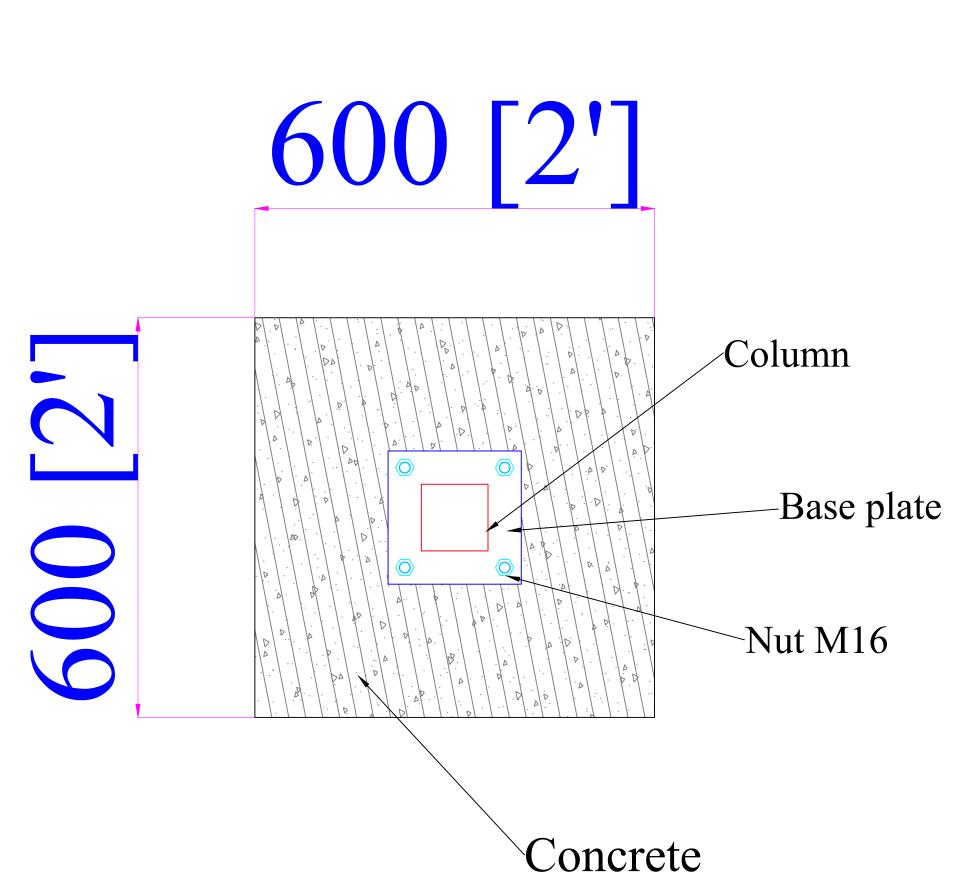
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# FOUNDATION





The base plate and the column are welded together.

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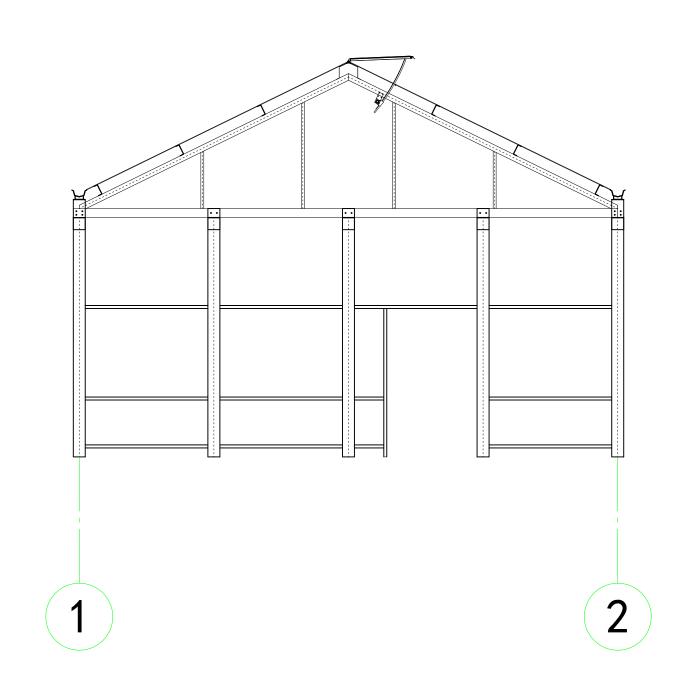
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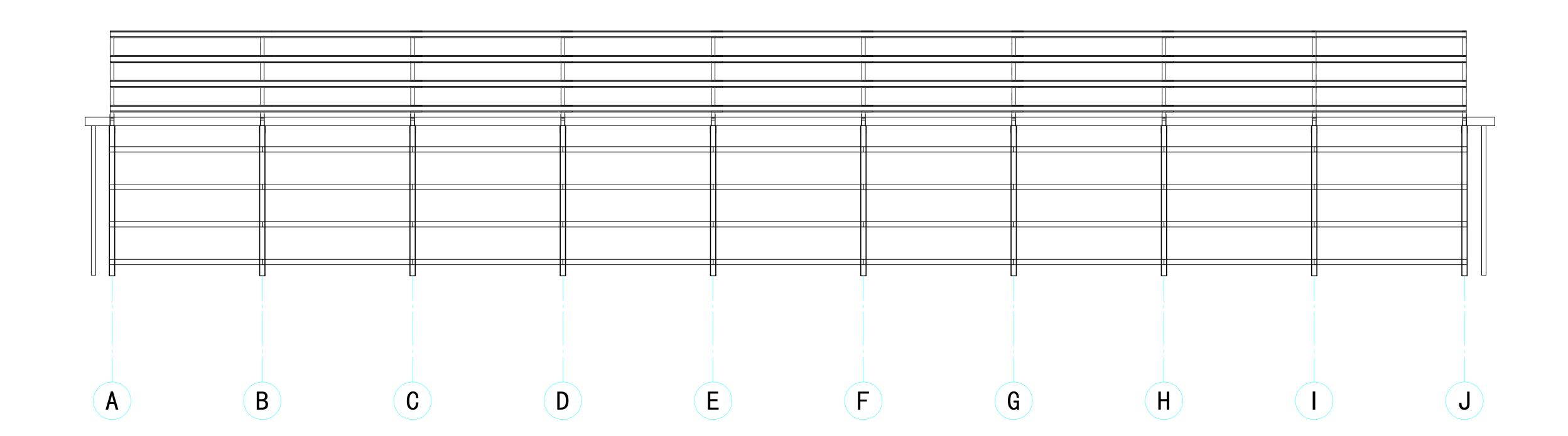
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SECTION A1

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Verify	Gavin

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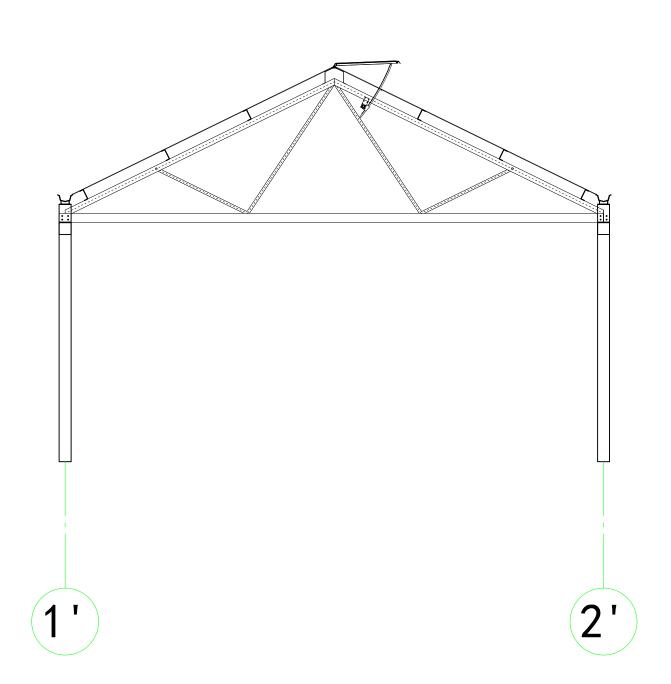
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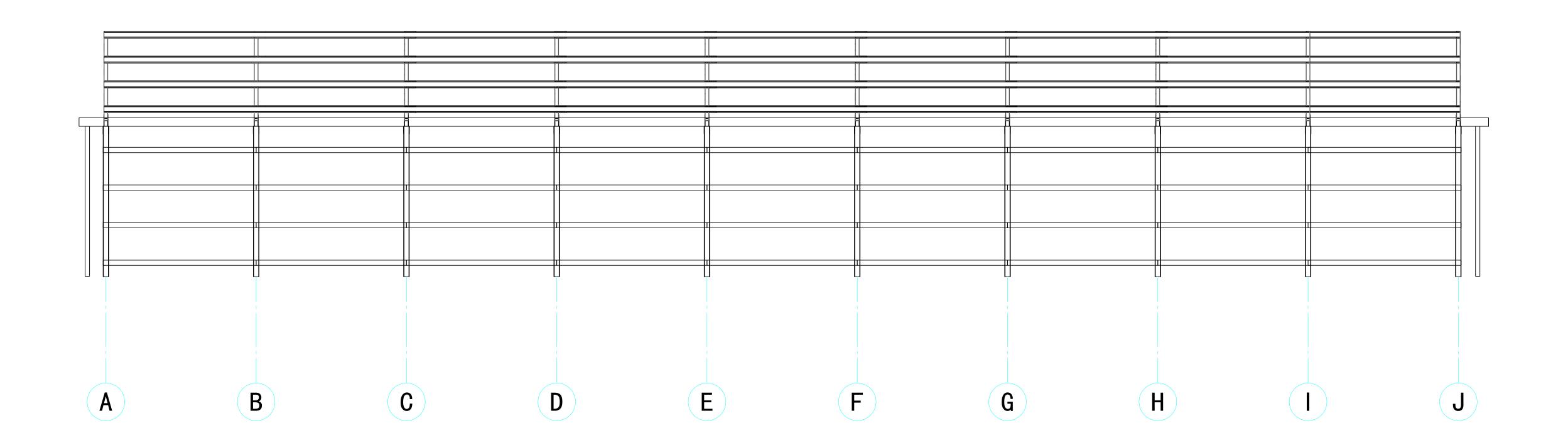


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SECTION B1

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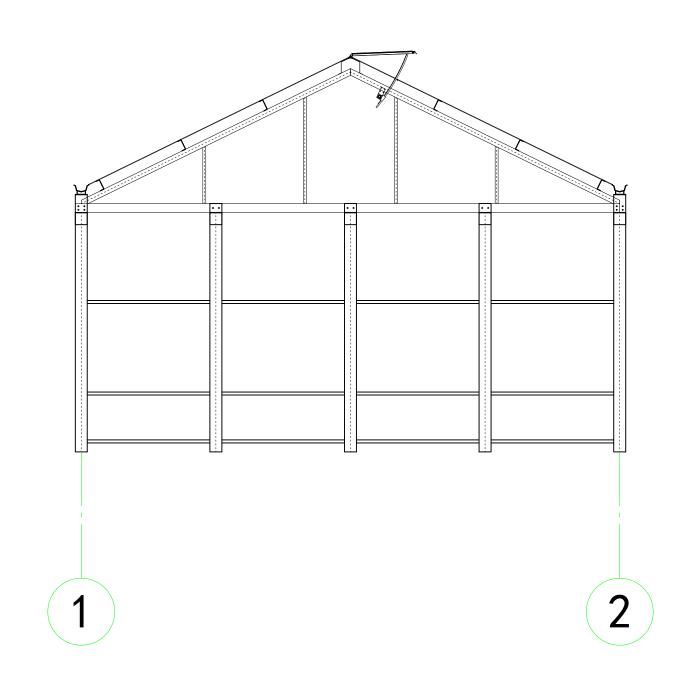
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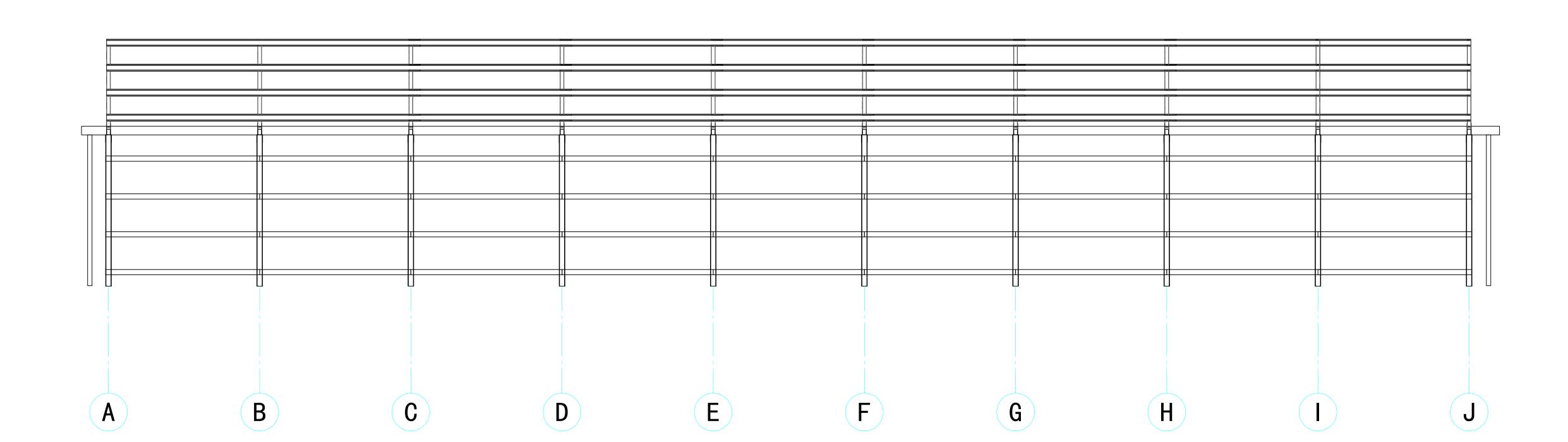
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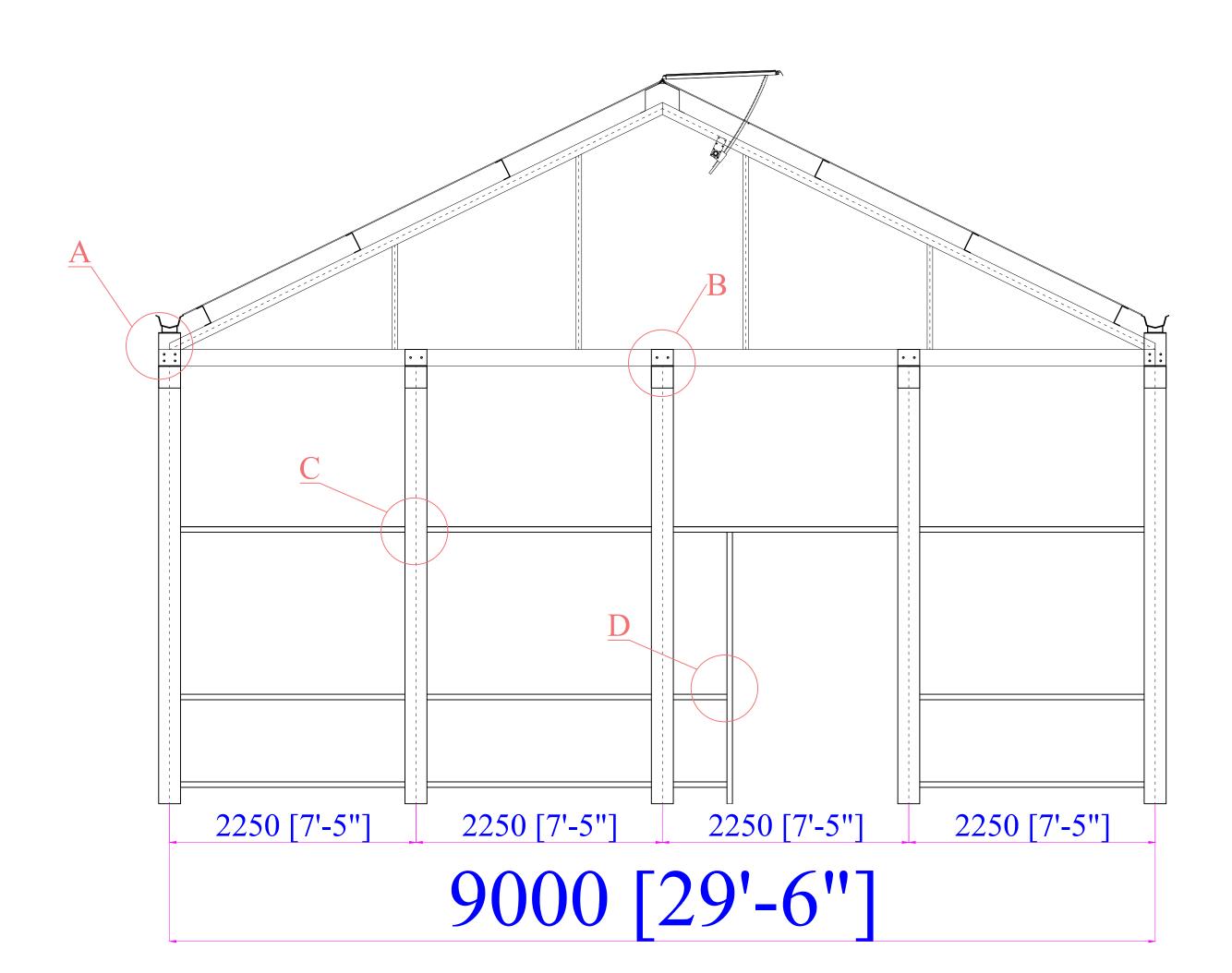
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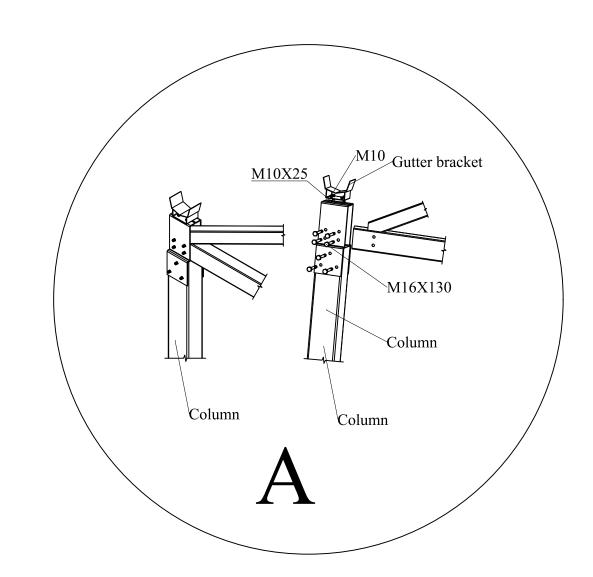
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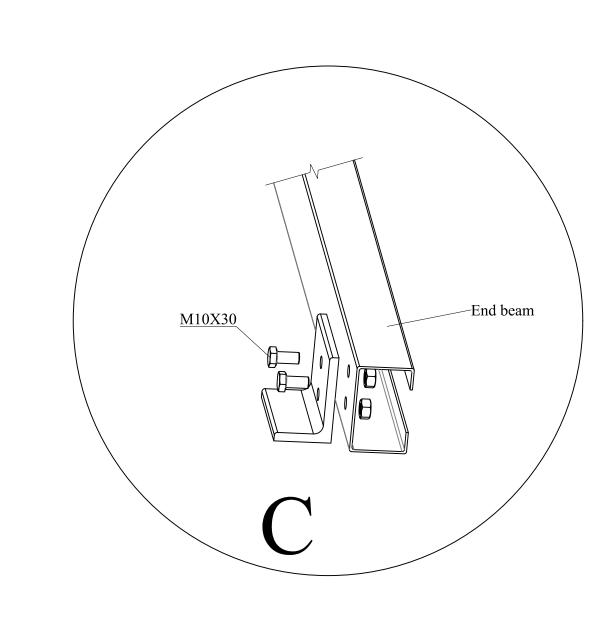


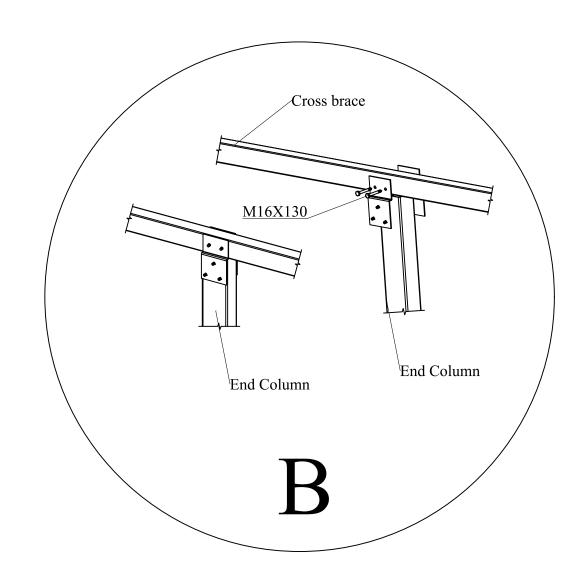
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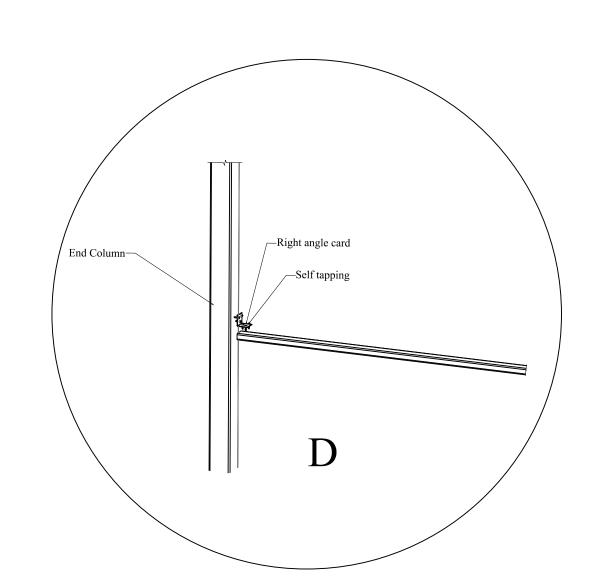
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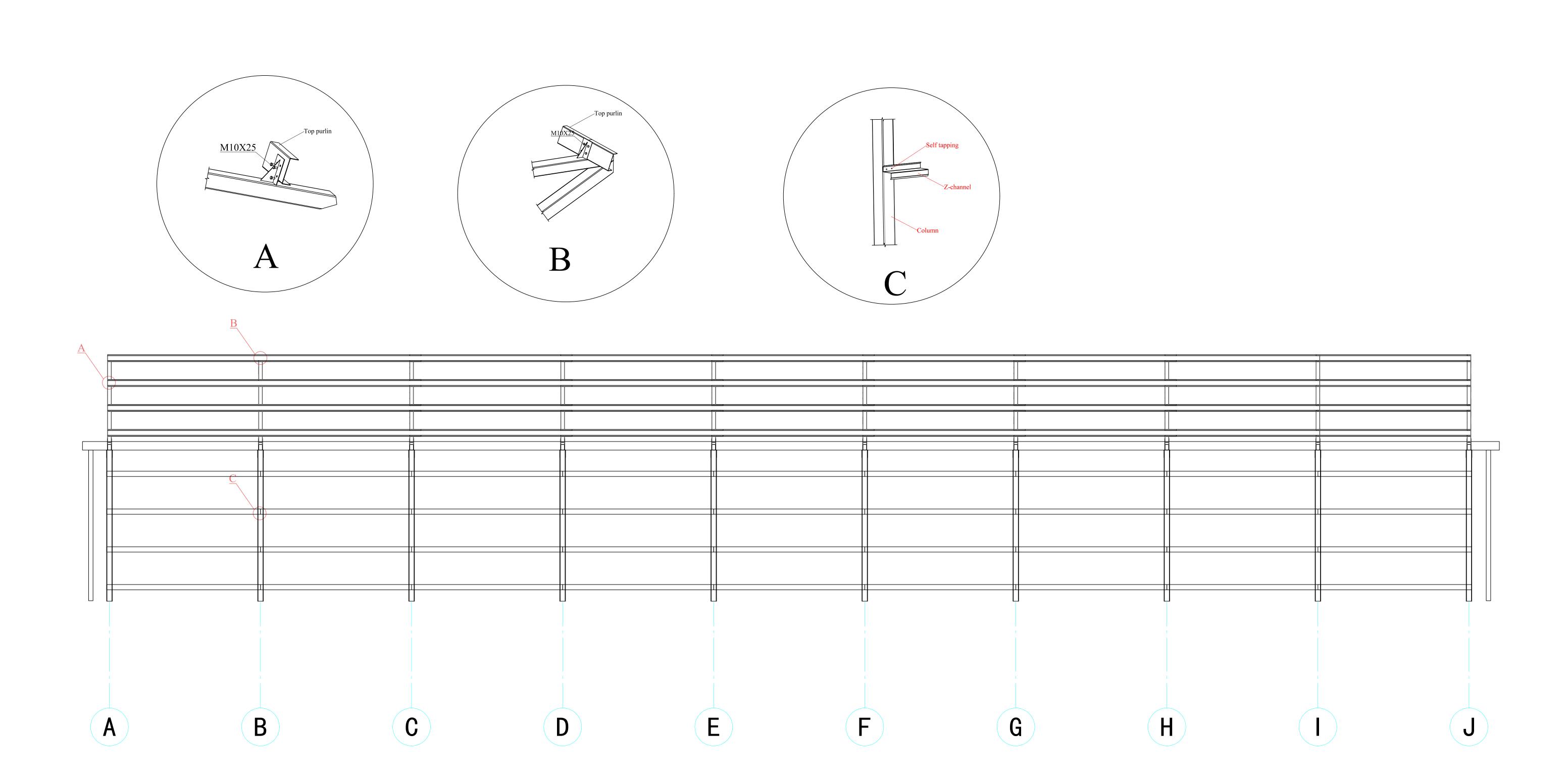
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INSTALL NODE



INSTALL NODE

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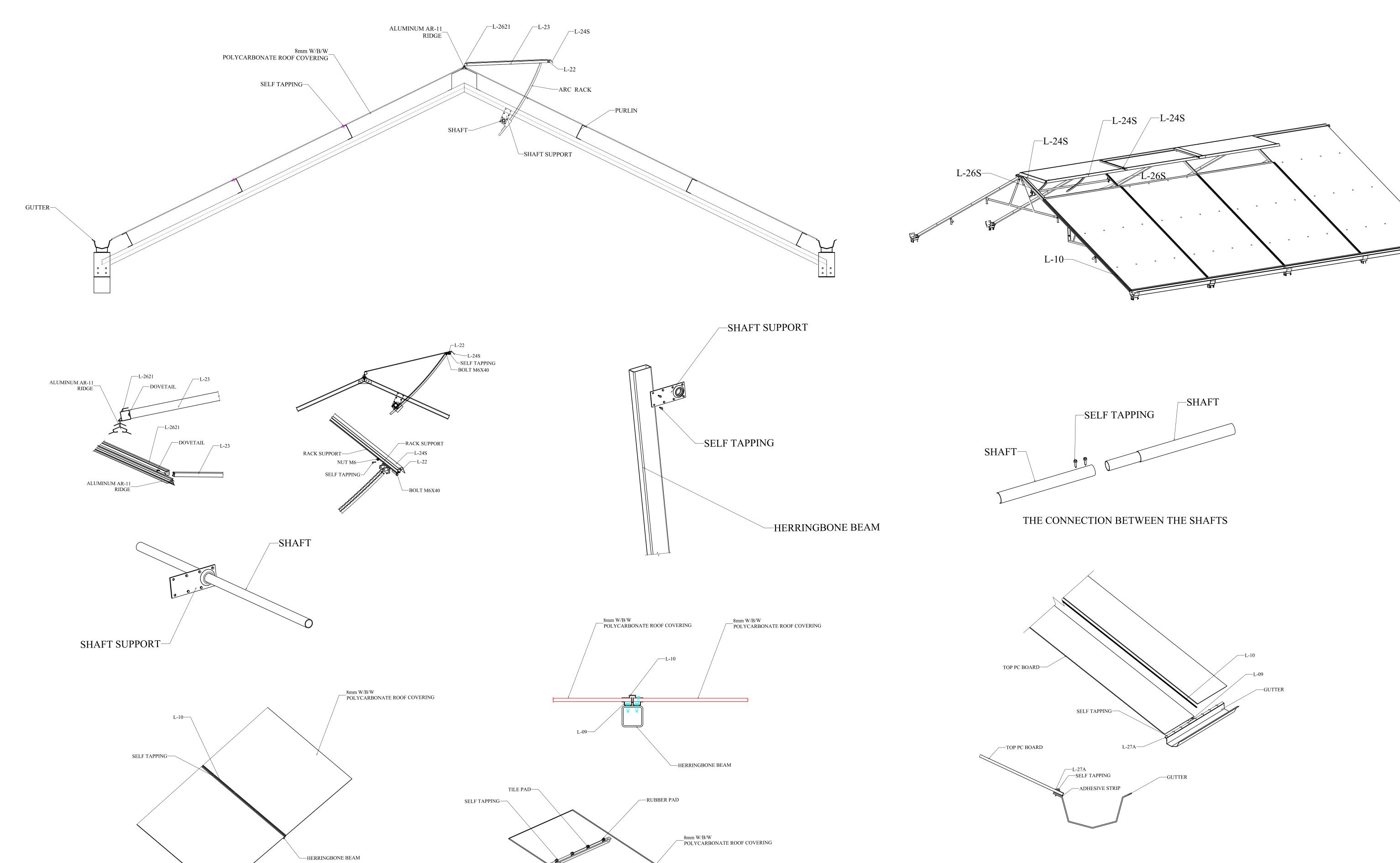
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## Top ventilation



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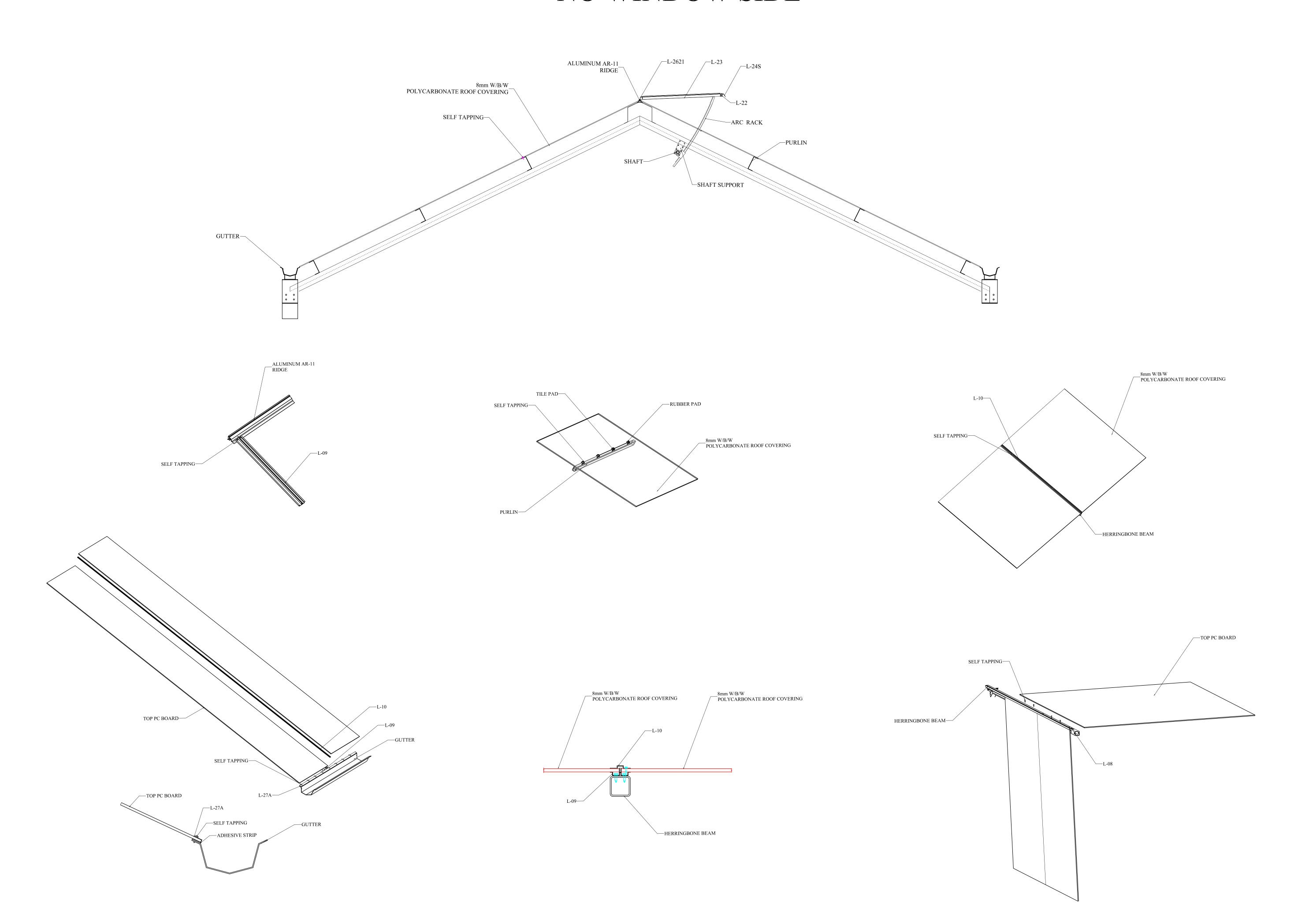


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### NO WINDOW SIDE



Client:

Location:

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Cartographer:	Carl
Verify	Gavin

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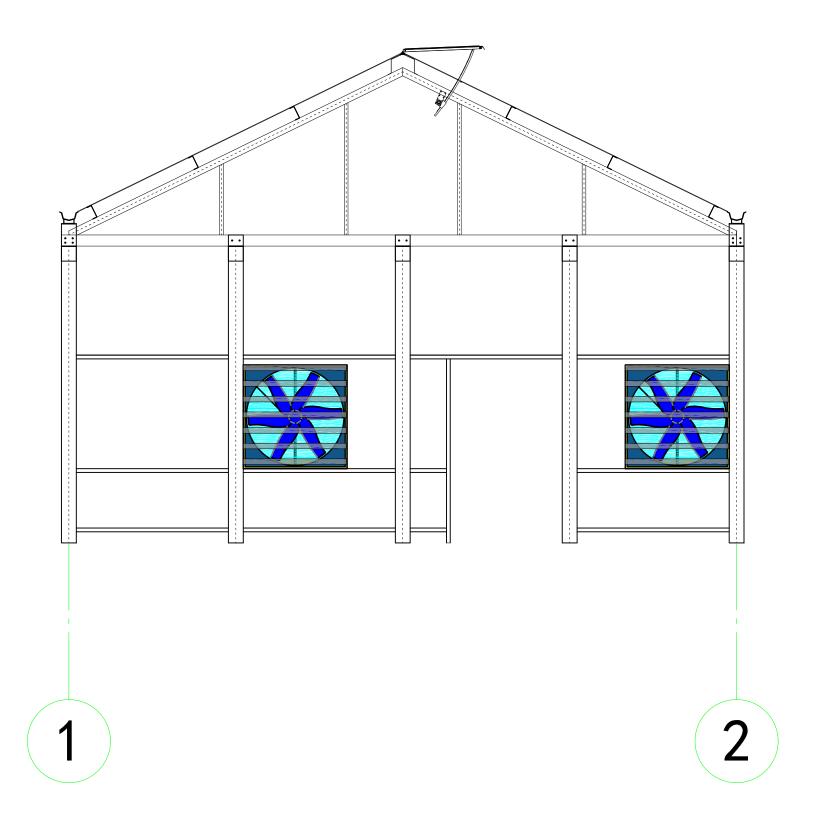
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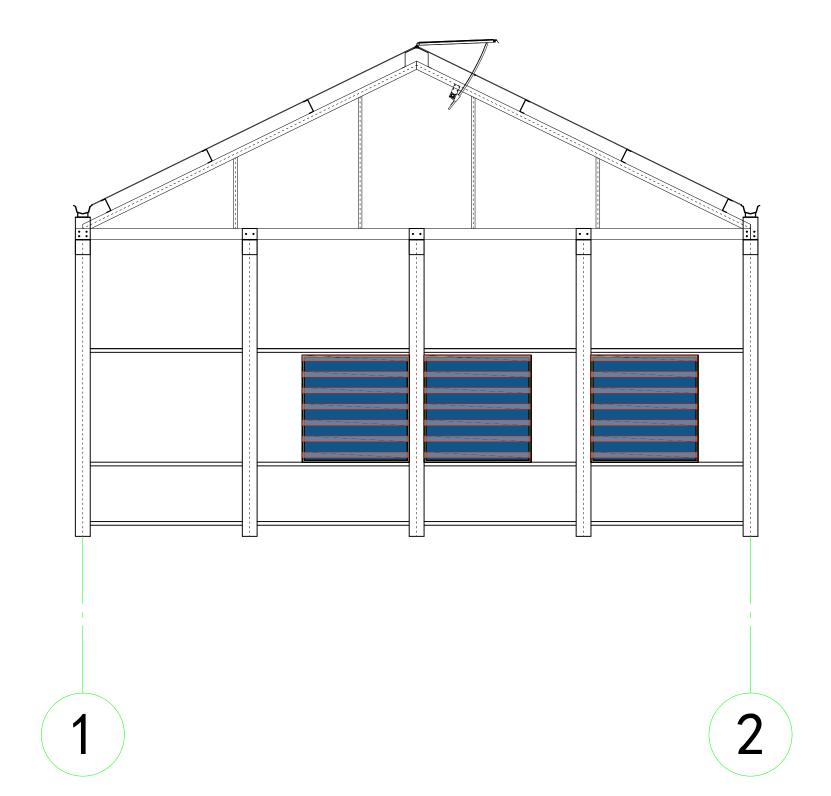


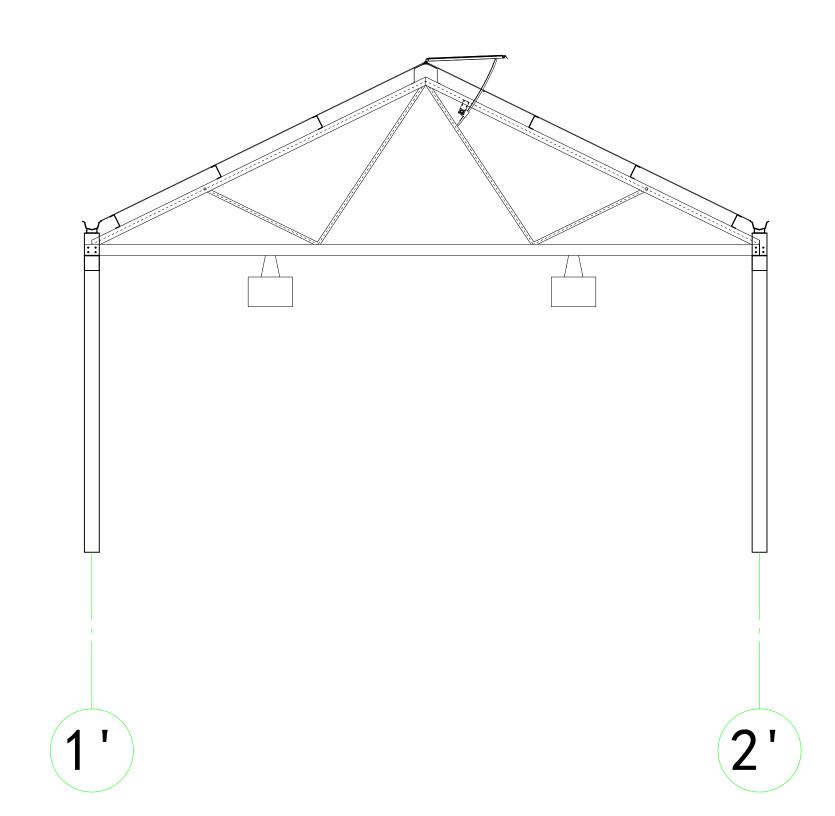
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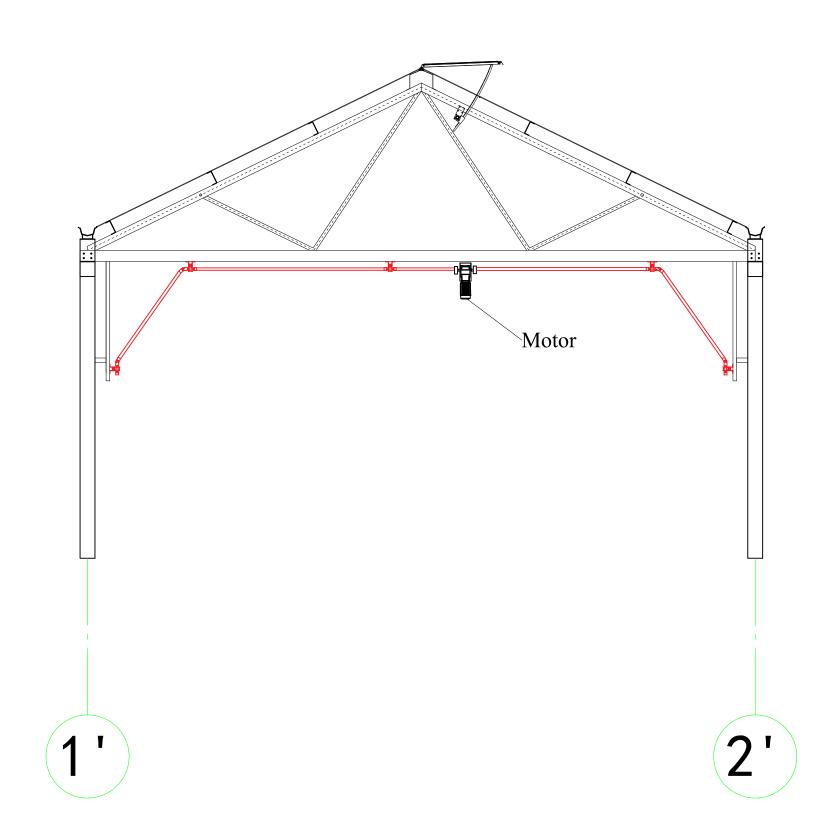
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Installation of motor

EQUIPMENT LOCATION

Location:

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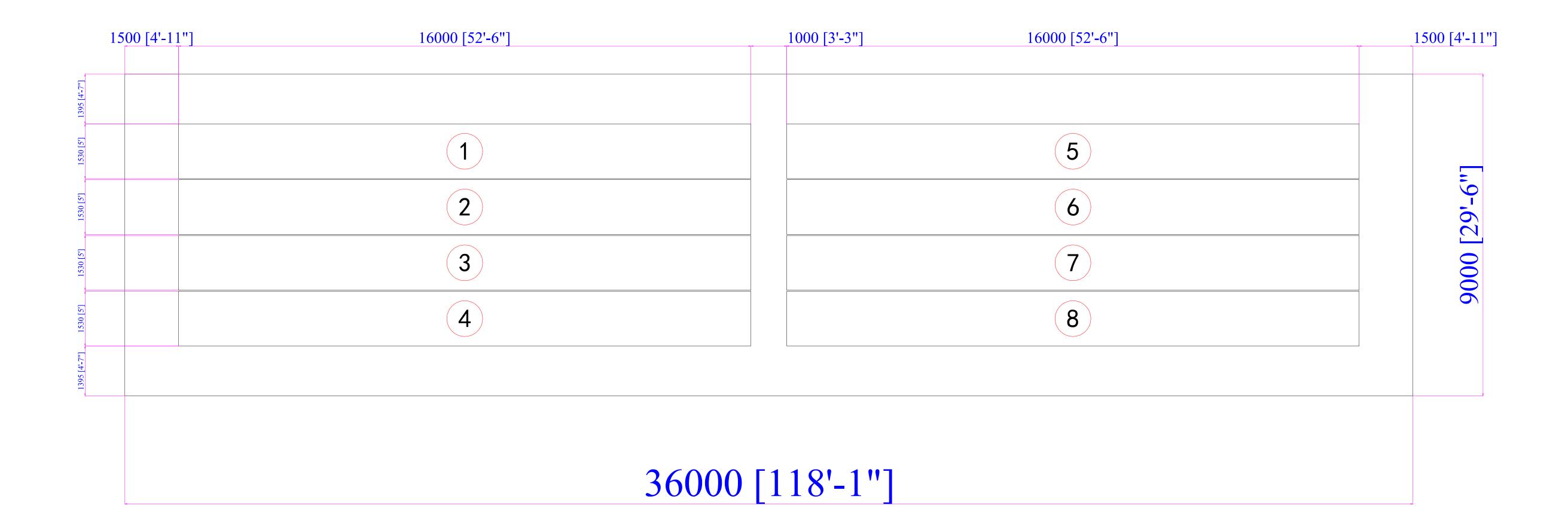
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### SEEDBED PLAN

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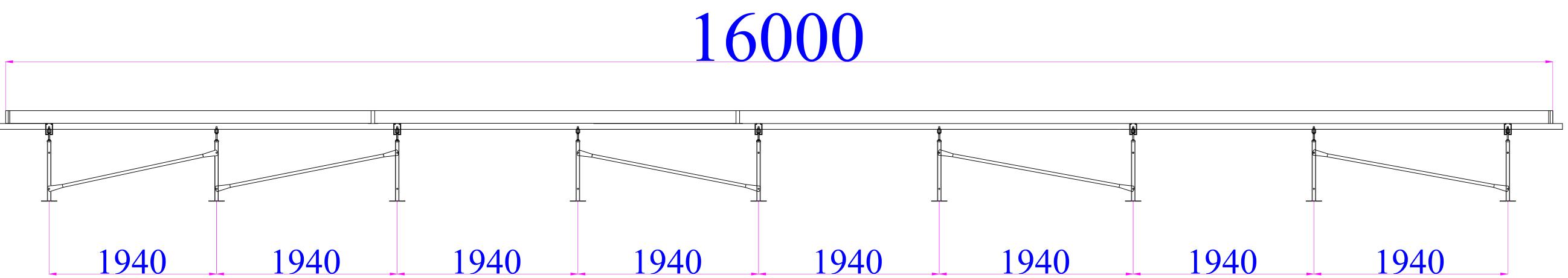
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### SEEDBED SECTION

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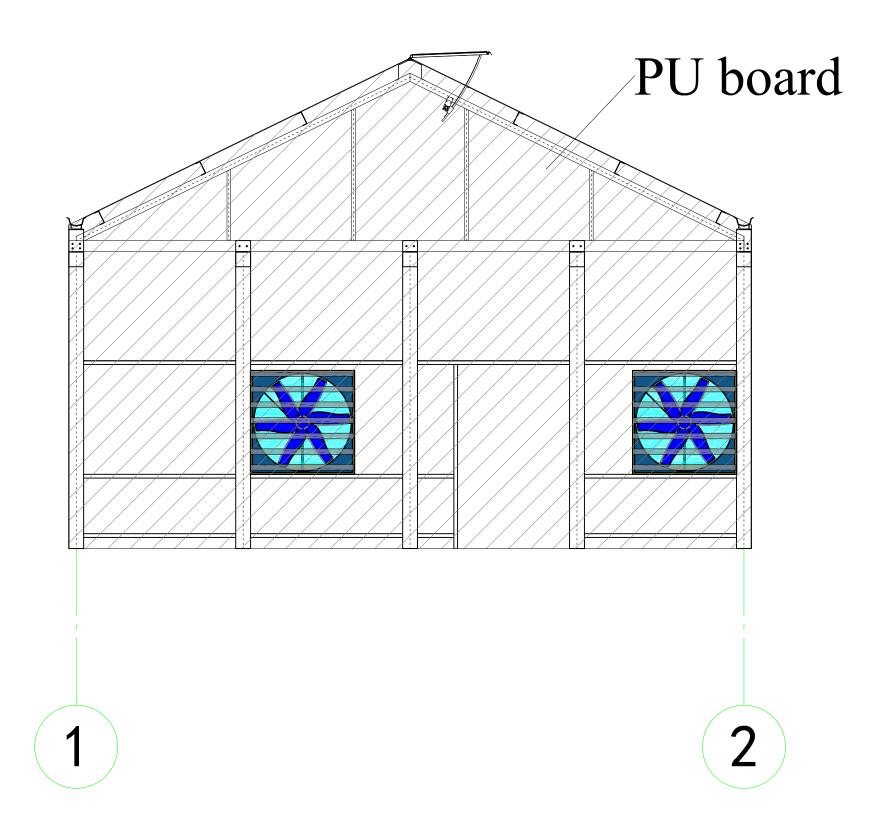
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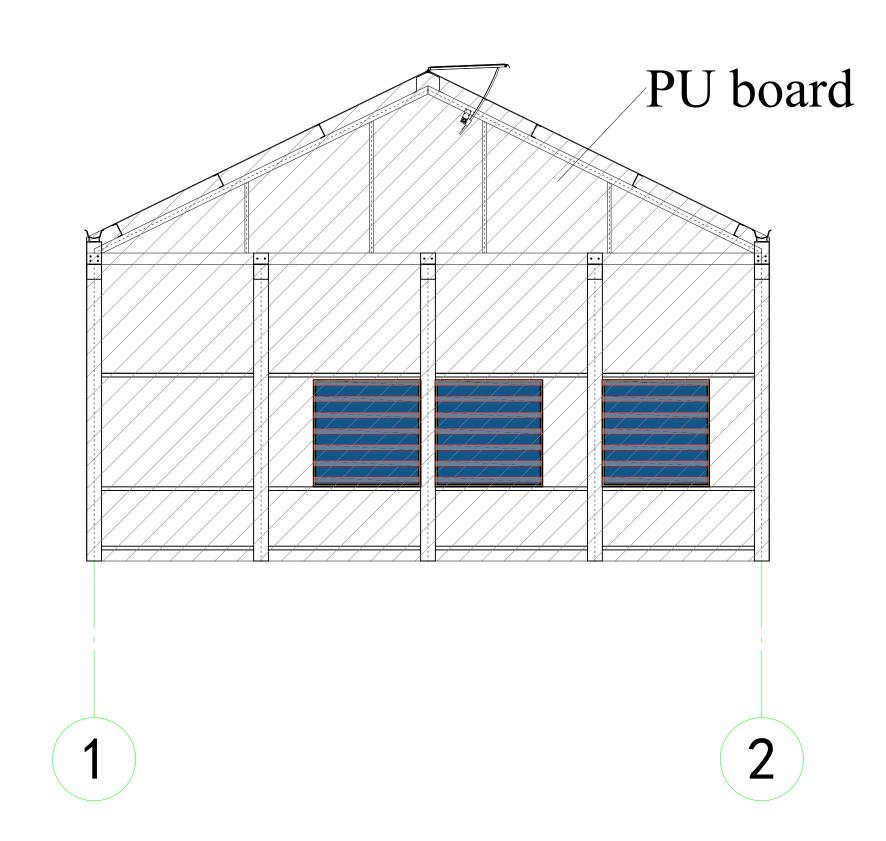
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END COVER

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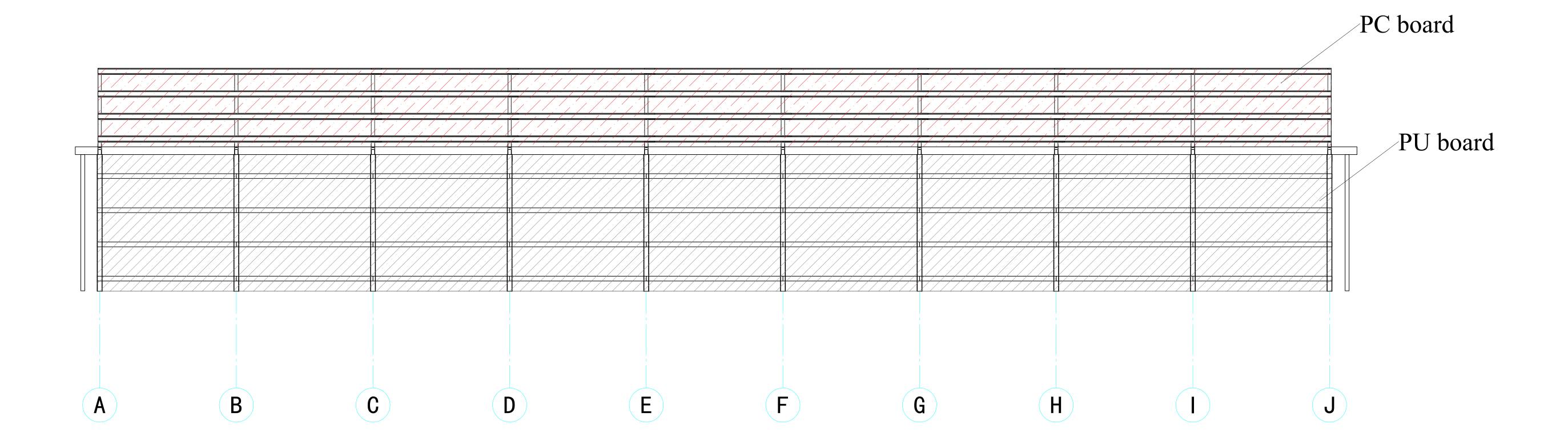
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