



BROCHURE THANH THANH KIM JSC





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“ *Thanh Thanh Kim JSC- Specialize in designing and processing structural drawings reliably for your projects.*



Introduction

THANH THANH KIM JSC - TK Engineer, established in 2015, takes pride in being a leading entity in the field of design. We not only master the artistry in the creative process but also tightly integrate the passion and expertise of our professional engineering team into practical production and implementation on-site.

With a commitment to continually updating technology and applying the latest software, we position ourselves in the customer's shoes to generate optimal design solutions, contributing to enhancing the quality of products in each project. We understand that incorporating advanced technology into the workflow not only ensures accuracy but also optimizes efficiency, reduces costs, and saves time.

Our services go beyond structural design drawings for pre-engineered steel buildings to include production drawings, NC drawings, and supplementary details. Our goal is not only to meet customer needs but also to exceed expectations, creating added value and success for both parties.

With the mission "Unlimited Design - Unlimited Construction," THANH THANH KIM JSC - TK Engineer is committed to providing innovative and high-quality solutions, being a reliable partner for every construction project and sustainable development.



Vision

Building products to meet the needs of each market, integrating design advantages to apply improvements to each product, aiming to enhance product quality and save time and costs for customers.



Mision

- Building a collaborative working culture that fosters team-work and contributes to the professional and dedicated spirit of work.
 - Providing customer satisfaction beyond expectations.
 - Continuously optimizing product designs to conserve social resources.
- Standardizing technical processes and providing professional training.



Culture



CONTINUOUS LEARNING

Encourage a culture of learning and personal development, constantly updating knowledge and skills to meet new challenges.



TO HAVE GOOD TEAMWORK

Build a positive and supportive work environment, creating conditions for collaboration and fostering a strong team spirit.



TO LISTENING TO UNDERSTAND

Flexible changes and product adjustments based on customer feedback help us maintain flexibility and readiness to adapt to the market.



EFFECTIVE SOLUTIONS

We build strong relationships with leading partners and experts in the industry to ensure that we always have access to and apply the latest and most advanced trends.



Core value



CLARITY AND HONESTNESS

Building relationships based on transparency and honesty helps establish trust from both customers and partners.



DEDICATION AND CAREFULLNESS

Being dedicated to customers and partners, always listening, and responding promptly to provide the best solutions.



SUSTAINABLE AND SOCIAL

Investing in sustainable solutions and processes, while emphasizing social responsibility in all business activities.



PROGRESSIVE THINKING

Encouraging progressive thinking, constantly seeking new opportunities, and tirelessly striving to improve and grow.

Service

Structural Design Drawing



Shop Drawing Fabrication

1. Design Consultancy

Thanh Thanh Kim JSC takes pride in possessing a team of professional designers with rich experience participating in numerous large-scale and complex projects. We bring unique values and professionally execute projects, including both civil and industrial projects.



1.1

Project Planning, 3D Visualization

Allocation and zoning of land based on spatial use, three-dimensional spatial planning visualization.

1.2

Infrastructure Design

Establishment of transportation systems, stormwater drainage, water supply and drainage, energy, communication systems, greenery, and environmental planning.

1.3

Architectural Design

Conceptual design, detailed layout, elevation, and cross-section design of the project.

1.4

Structural Design

Calculation, implementation of solutions, and comprehensive detailing of structural components.

1.5

MEP Design (Mechanical, Electrical, Plumbing)

Design of Mechanical and Electrical systems, preparation of construction drawings, on-site installation supervision, and workshop fabrication and assembly.

1.6

Design Review

Thorough technical and quality review according to a stringent inspection process, ensuring the highest economic efficiency.

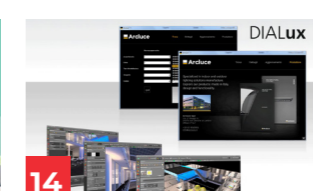
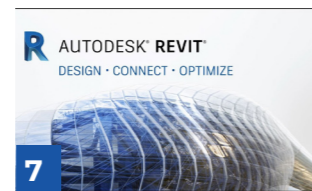
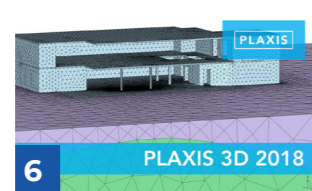
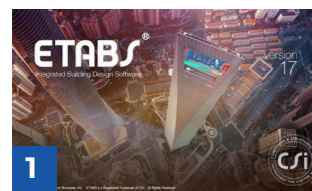
1.7

Construction Permit Application

Application for building permits for residential buildings, workshops, condominiums, renovation and repair of condominiums, renovation, and repair of houses; Application for relocation permits for construction projects.

2. Application Software

With the strong development trend of high technology, Thanh Thanh Kim invests in and owns a system of modern application software, supporting engineers and architects better in optimizing operations and automating processes. Through these software applications, we have achieved significant efficiency and minimized risks in the working process.



Structural Software

- | | |
|--|--|
| <p>1 ETABS
Software for analyzing civil construction structures</p> <p>3 SAP2000
Software for analysis, calculation - design structural</p> <p>5 PROKON
Software for analysis and design of structures</p> <p>7 Autodesk REVIT
Architectural design software, MEP and structural engineering</p> | <p>2 SAFE
Specialized software for calculating the structure of reinforced concrete floor</p> <p>4 Staad.Pro
Structure calculation software</p> <p>6 PLAXIS
Geotechnical analysis software</p> <p>8 TEKLA Structures
Steel structure deployment software</p> |
|--|--|

Architectural Software

- | | |
|---|---|
| <p>9 Google Sketch Up
Architectural 3D design software</p> <p>11 Lumion
Architectural 3D rendering software</p> | <p>10 Autodesk 3DS Max
Architectural 3D design software</p> <p>12 Autodesk CAD
Shop drawings software</p> |
|---|---|

MEP Software

- | | |
|---|--|
| <p>13 TRACE 700
Refrigeration software</p> | <p>14 DIALux
Lighting design software</p> |
|---|--|

Estimation software

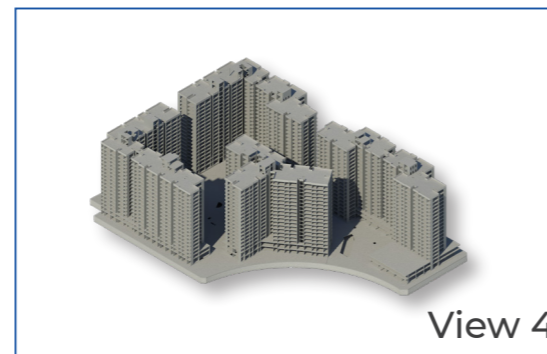
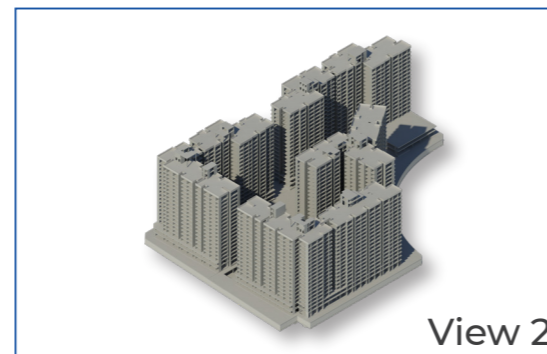
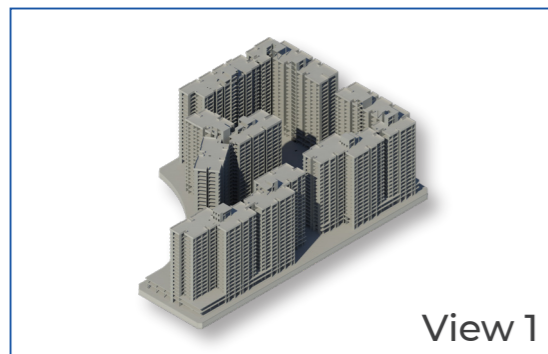
- | | |
|---|--|
| <p>15 Microsoft Office - Excel
Office software</p> | <p>16 ADT Pro
Estimation software</p> |
|---|--|

BIM

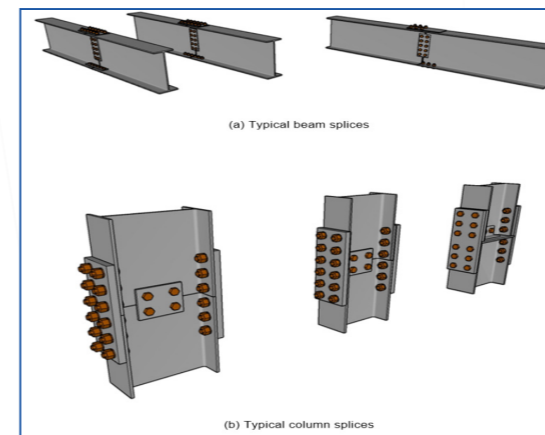
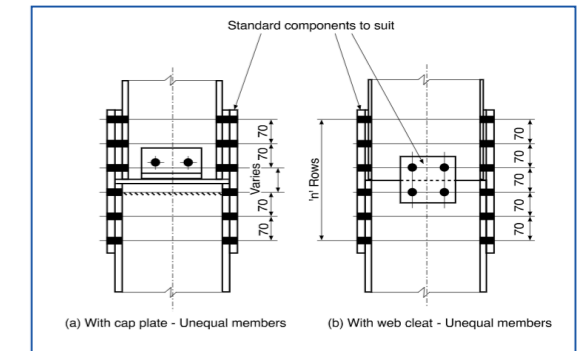
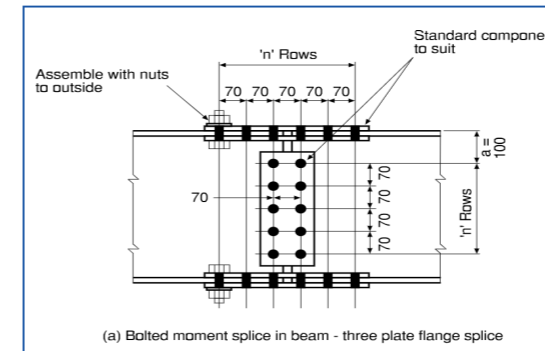
Thanh Thanh Kim has implemented Building Information Modeling (BIM) technology and modeling in the process of design and project management. We specifically focus on utilizing TEKLA REVIT models for concrete and steel quantity takeoff, creating a powerful tool for project management and ensuring construction quality.

The use of REVIT not only helps us generate realistic 3D models but also provides detailed analysis and transparency regarding the project's structure. This enables us to flexibly respond to various requirements from clients, ranging from simple projects to complex constructions.

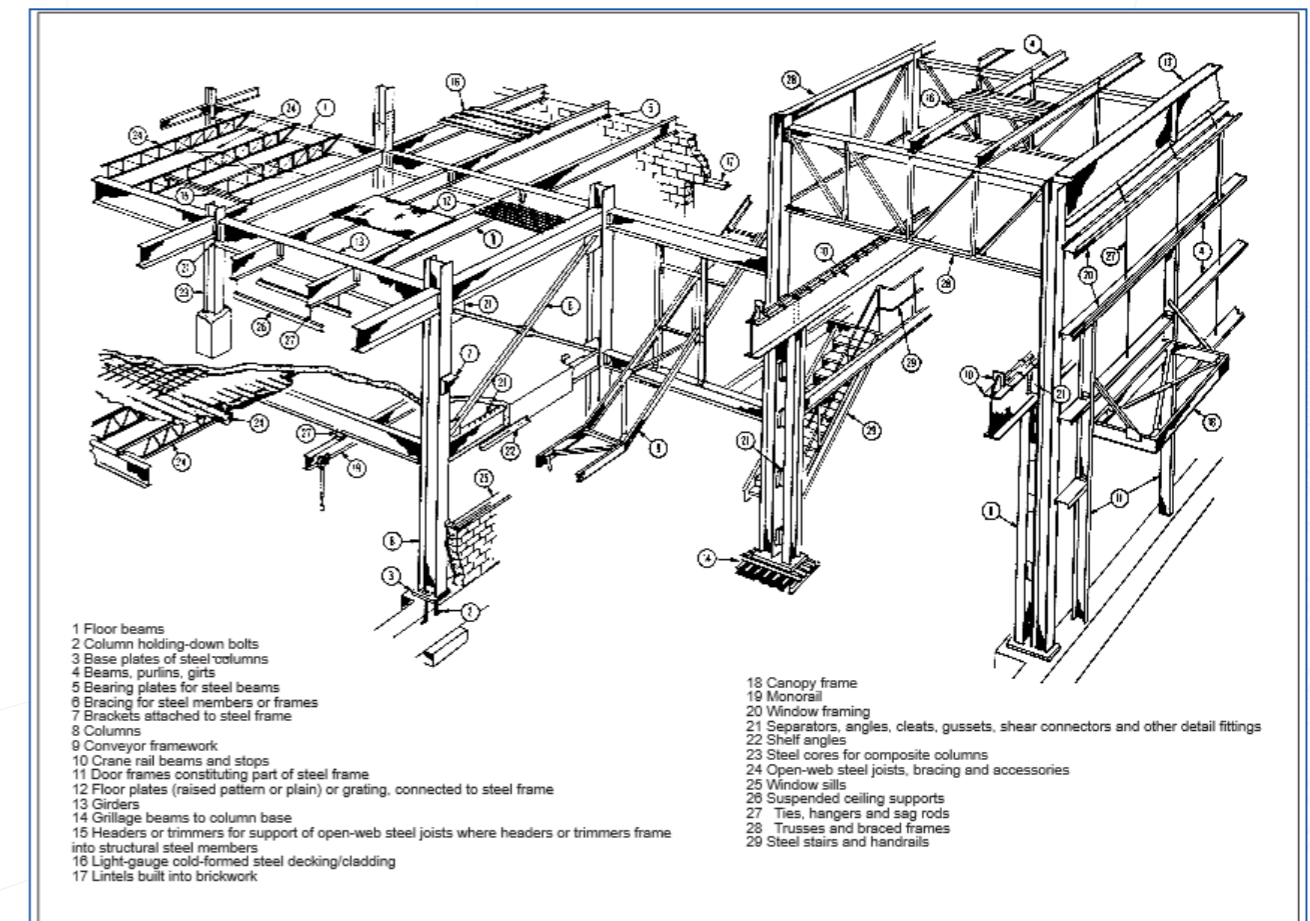
We are committed to utilizing BIM technology not only to streamline the design and construction processes but also to maximize value for our clients. The flexible use of REVIT models allows us to customize according to the specific needs of each project, from quantity takeoffs to detailed analyses, ensuring that all client requirements and criteria are efficiently and effectively met.



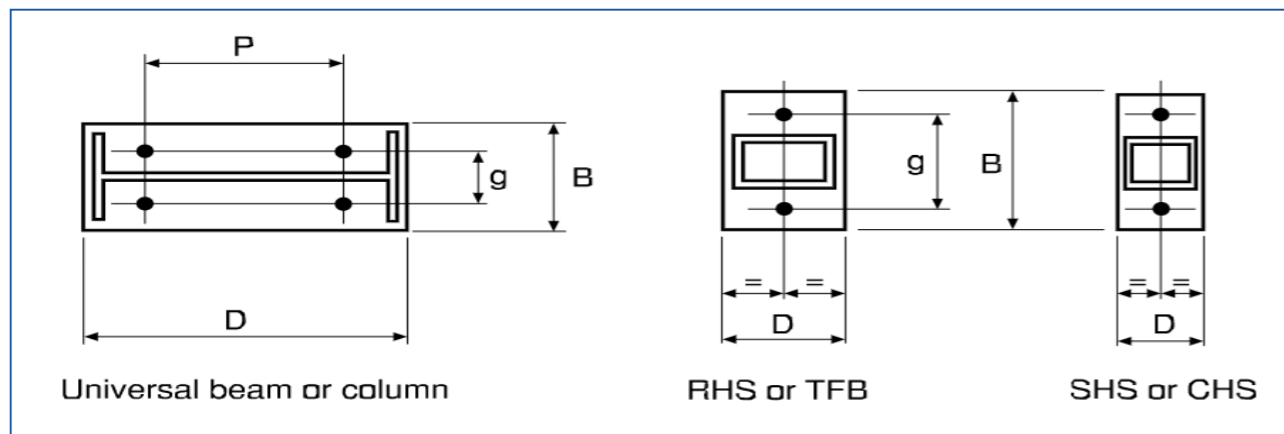
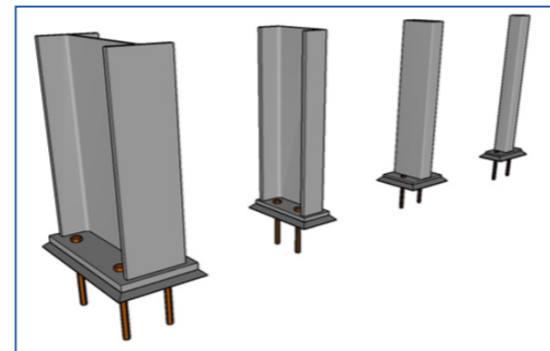
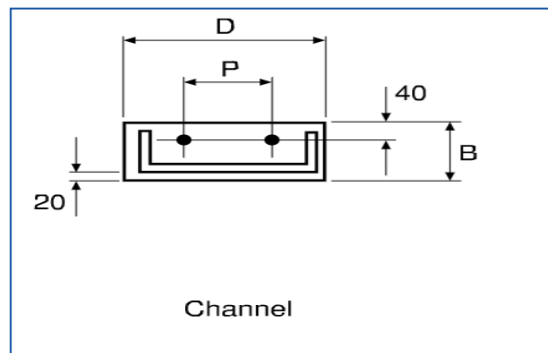
Structural connection of beams



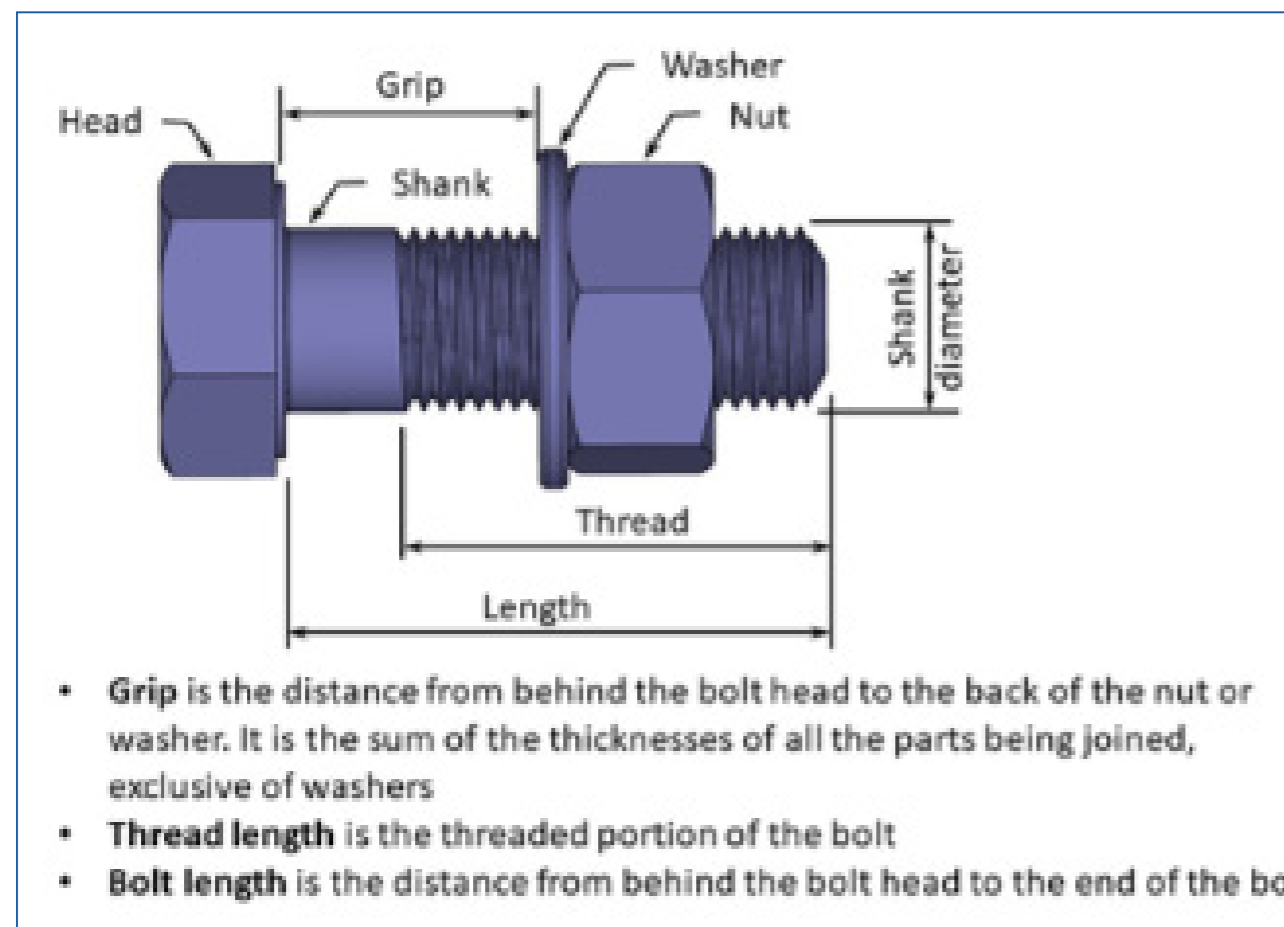
Structural framework sketch



Column base plate details

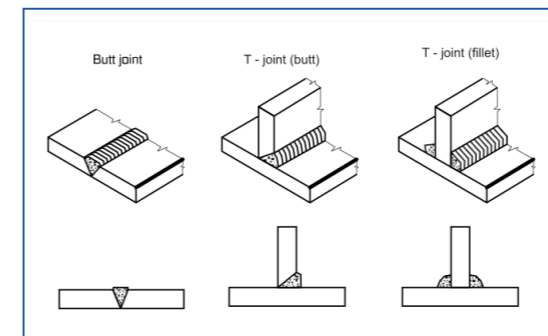
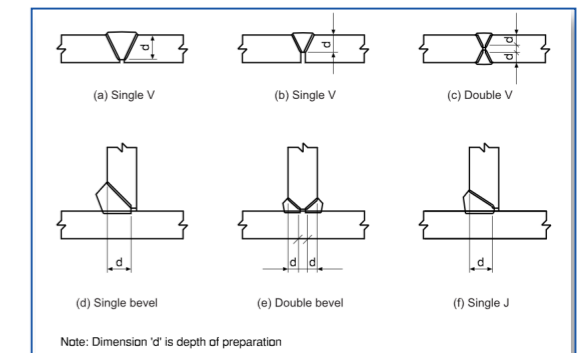


Bolt specifications



Basic welded joint structure

Weld type	Single	Double	Notes for fillet weld: L_1 & L_2 are leg lengths of fillet welds ($L_1 = L_2$ generally). DTT = Design Throat Thickness Throat Area = DTT x length of weld
Fillet			
Butt	Square (no edge preparation)		
	Bevel		
	V		
	J		
U			



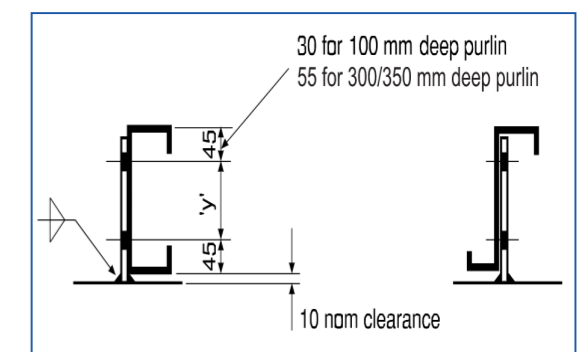
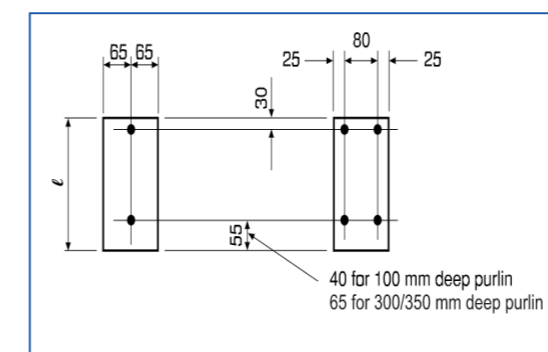
Welded joint symbols

Location significance	Other welds						
	Flange Edge	Flange Corner	Fillet	Backing run/weld	Surfacing	Fusion spot	Plug or slot
Arrow side							
Other side							
Both sides							
Sketch (weld one side)							

Note: Arrow side means side of joint to which arrow points

Location significance	Butt welds						
	Square	V	Bevel	U	J	Flare bevel	Flare V
Arrow side							
Other side							
Both sides							
Sketch (weld one side)							

Connection structure - Purlin



3. Professional Training

Catching up with the rapidly evolving trends, Thanh Thanh Kim continually focuses on developing an educational environment centered around vocational core values. We hold a clear philosophy of forming a cohesive team, proficient not only in specialized knowledge but also in the utilization of modern machinery.

Our goal is to create a collaborative workforce capable of applying in-depth expertise to practical work and maximizing the use of modern technologies. This not only helps us achieve high efficiency in every production stage but also showcases professionalism and consensus when working with partners and customers.



▶ Architectural - structural Revit training

▶ Architectural design courses

▶ Application of STAAD PRO software

▶ MEP system design training classes

▶ Learning American steel structure standard

▶ Tekla training

▶ Labor safety training classes

▶ Estimated training classes

PARTNERS - CUSTOMERS

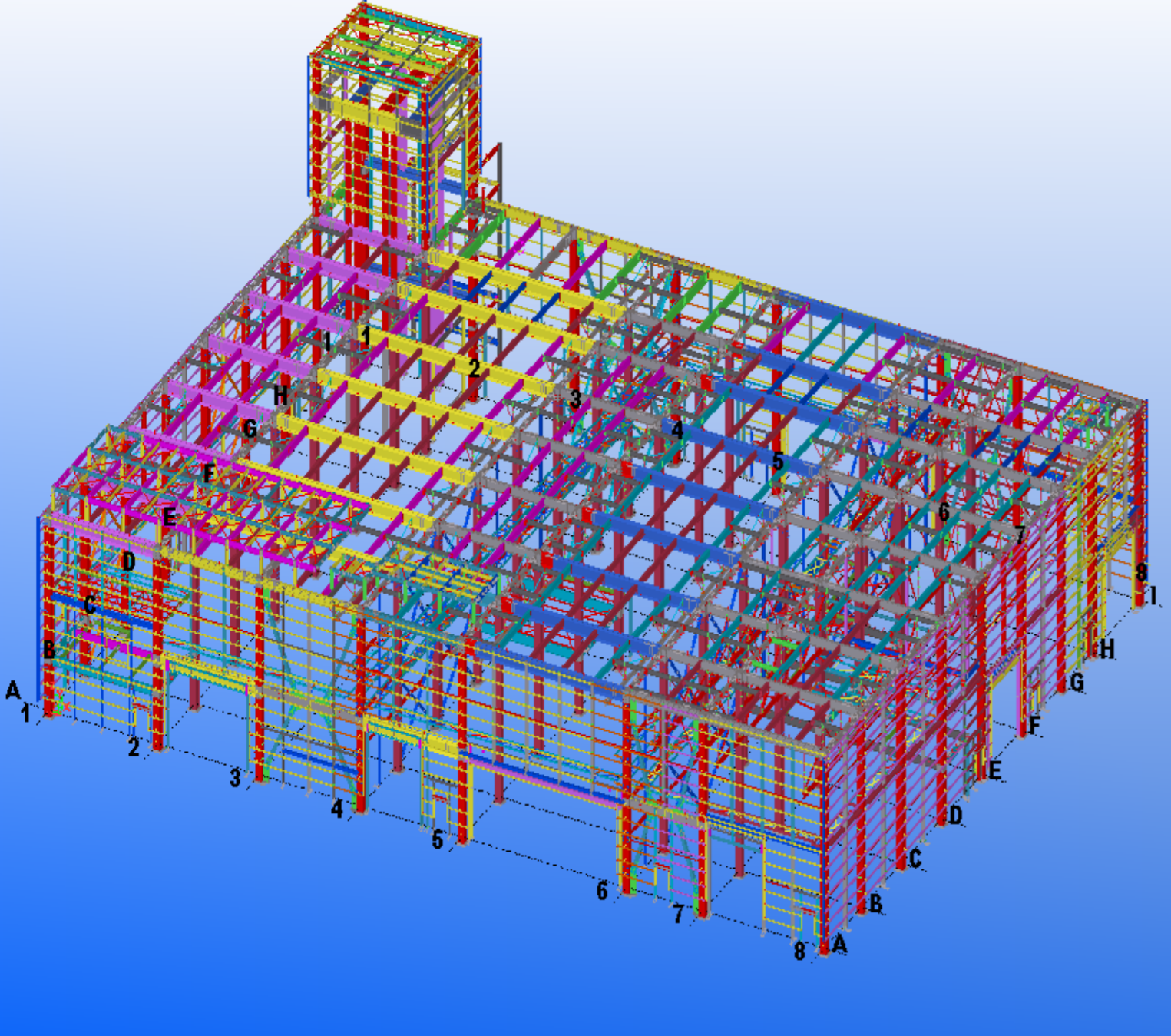
Thanh Thanh Kim takes pride in being a reliable partner in the specialized field of shop drawing processing. With a mission to provide high-quality design solutions and maximum precision, we have built special relationships with a diverse clientele.

With an experienced and innovative team, Thanh Thanh Kim is not just a partner but a trustworthy companion throughout the development and execution of large-scale projects. We take pride in accompanying our clients on the journey to success and are committed to maintaining sustainable and long-lasting partnerships.





**Typical
projects**



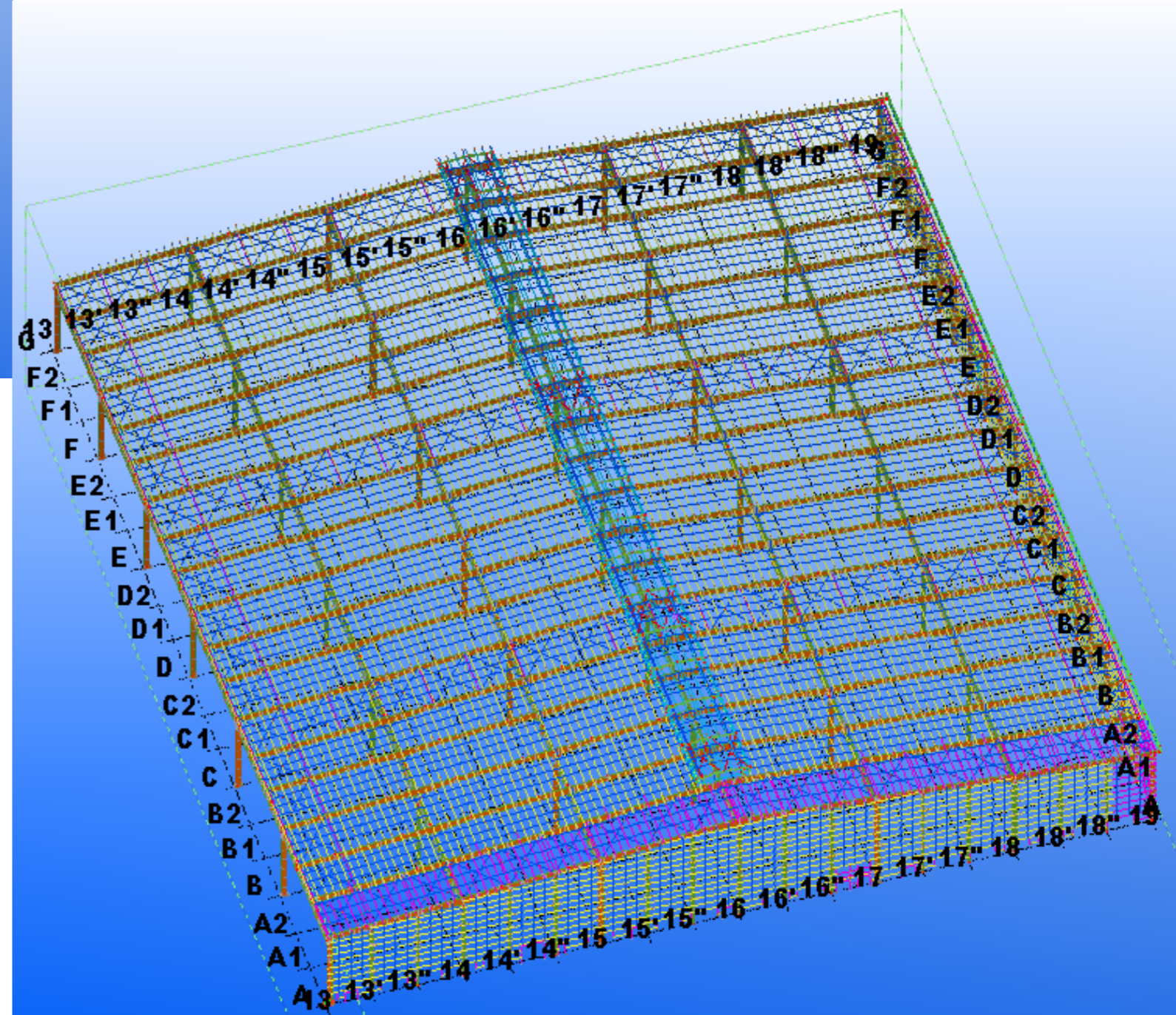
Project 2

Address
Vietnam

Scale
1000 ton

Type construction
Workshop

Year
2020



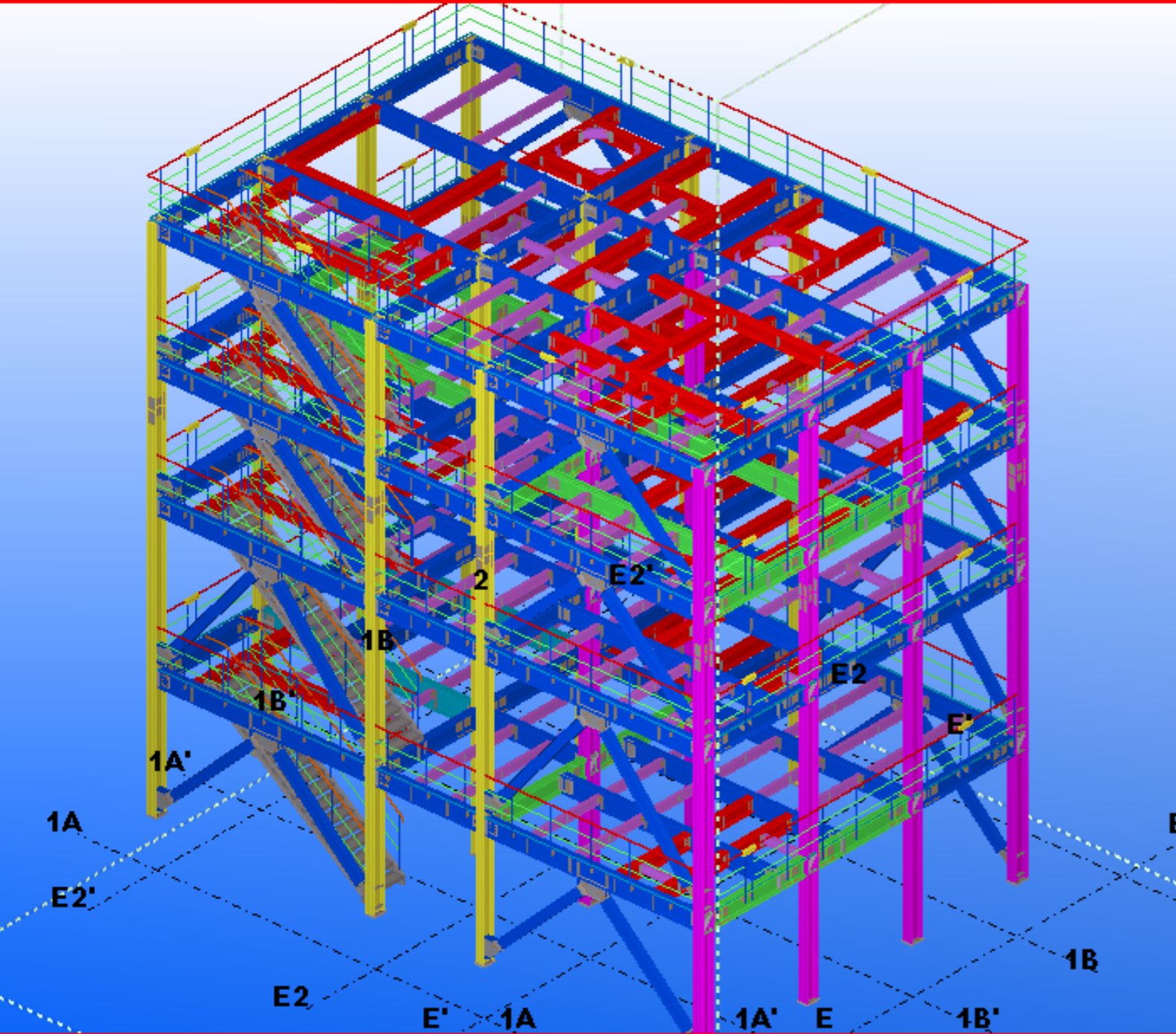
Project 1

Address
Japan

Scale
800 ton

Type of construction
Workshop

Year
2020



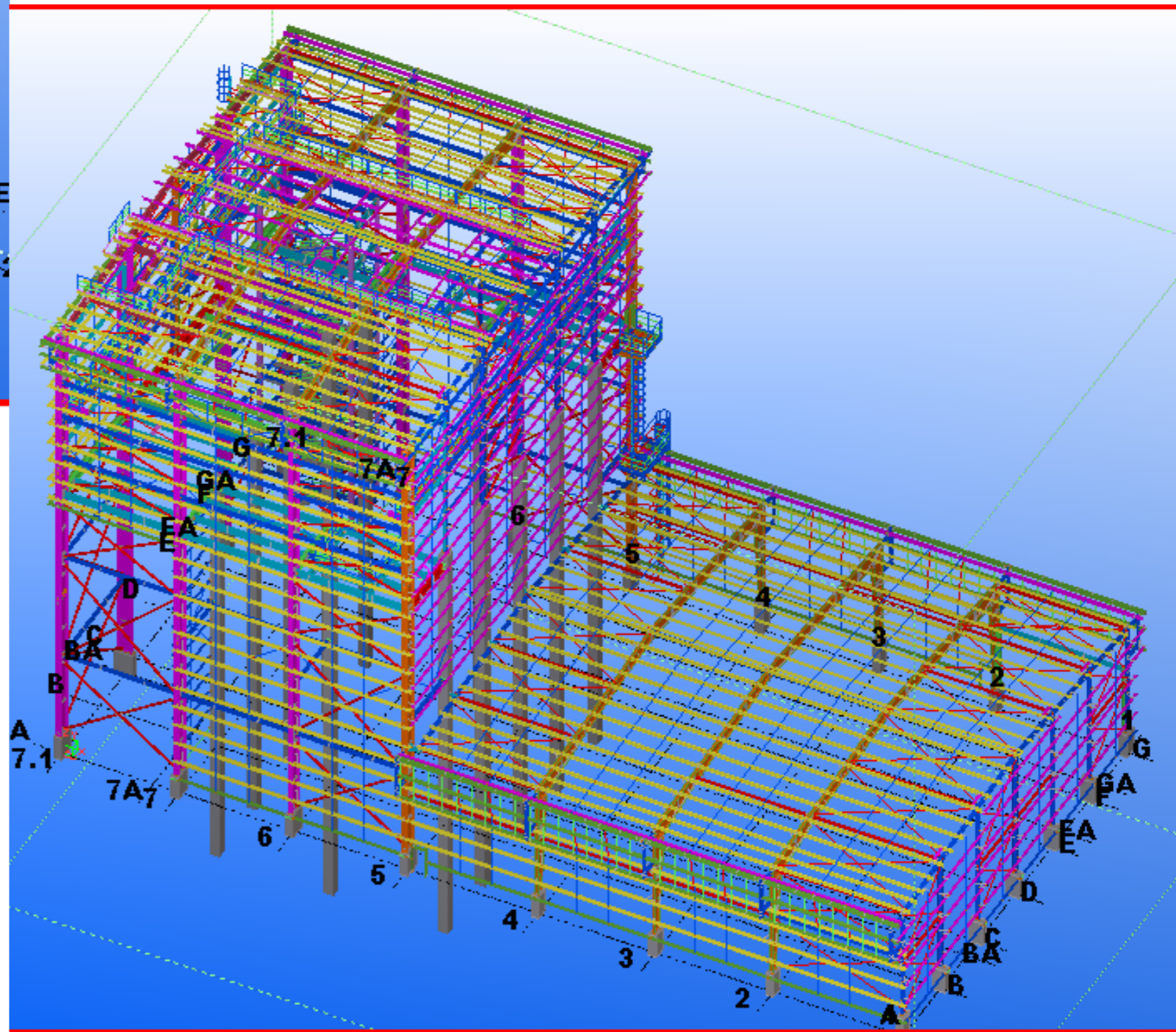
Project 4

Address
Vietnam

Scale
1200 ton

Type construction
Food factory

Year
2020



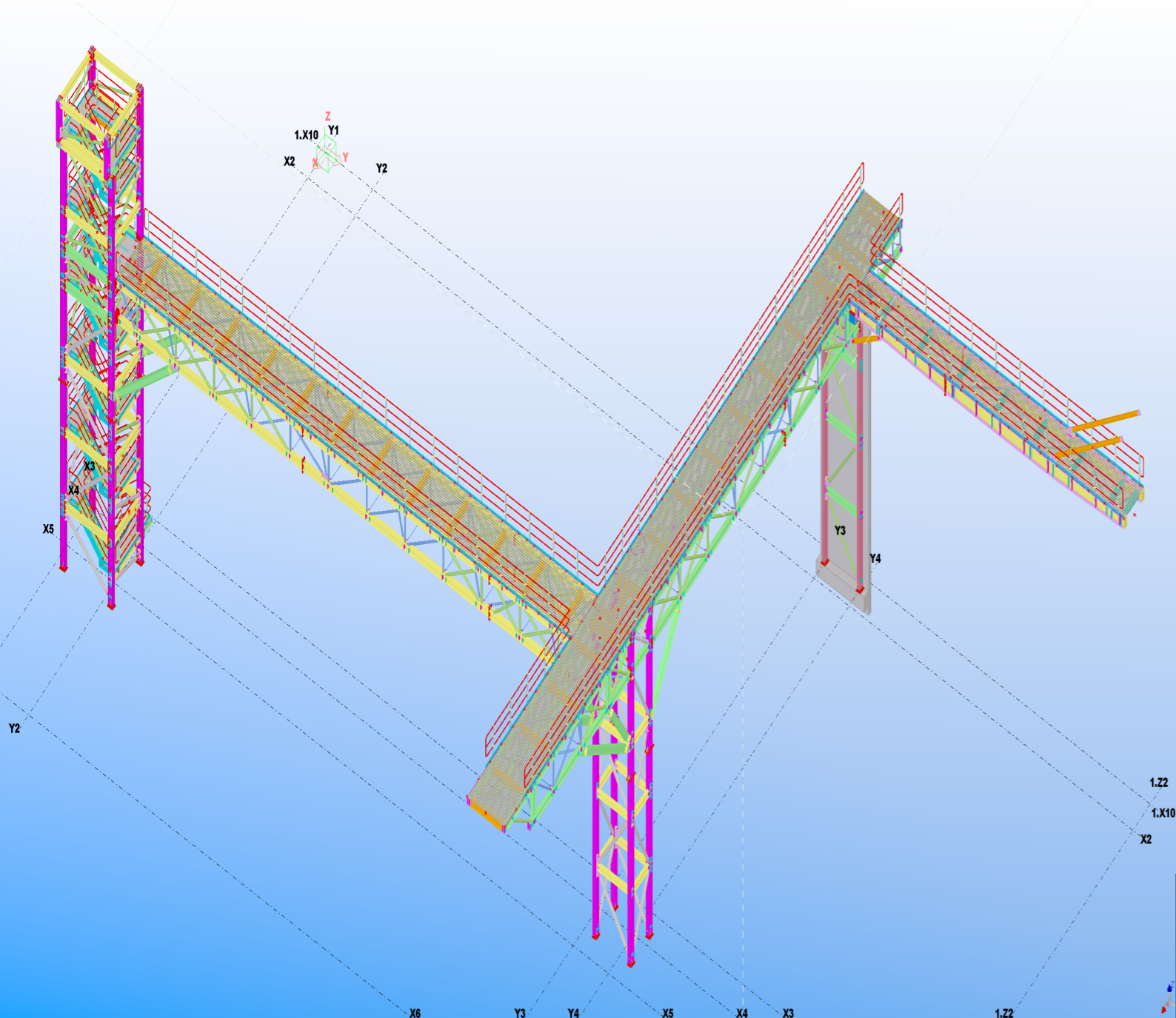
Project 3

Address
Vietnam

Scale
600 ton

Type construction
Food factory

Year
2020



Project 6

Address
Banahill - Vietnam

Scale
600 ton

Type construction

Year
2020

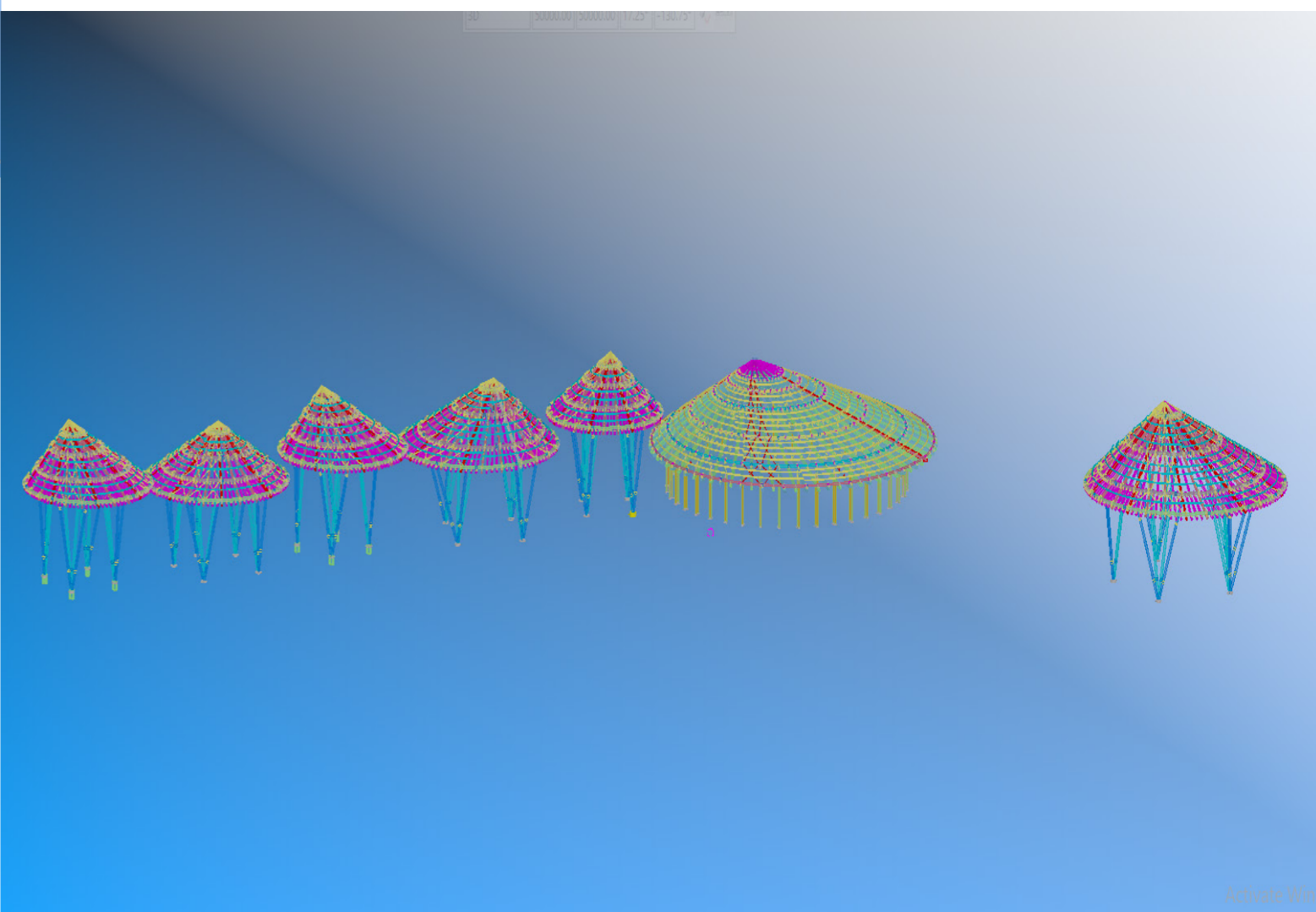
Project 5

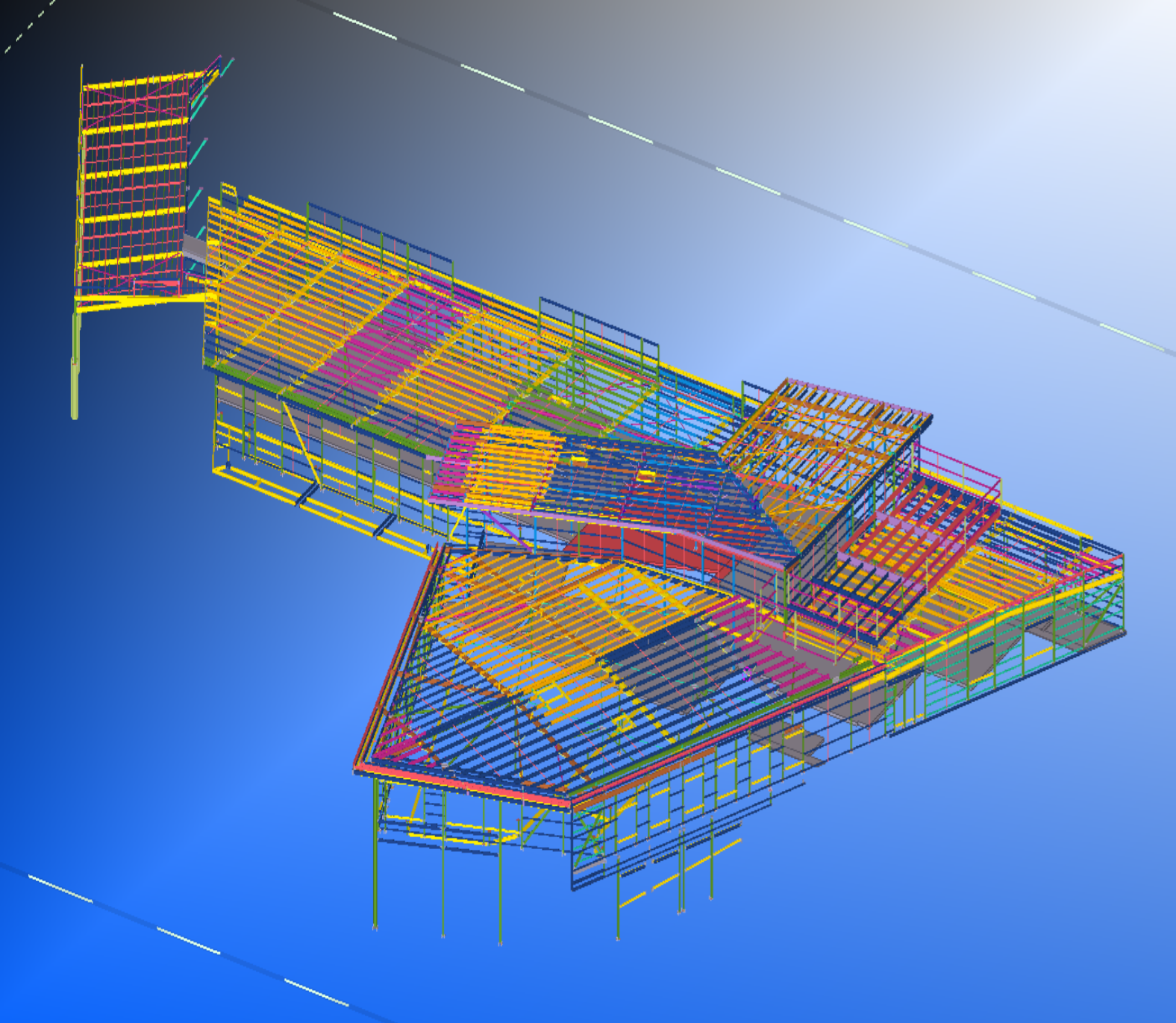
Address
Vietnam

Scale
300 ton

Type construction
Conveyor

Year
2020





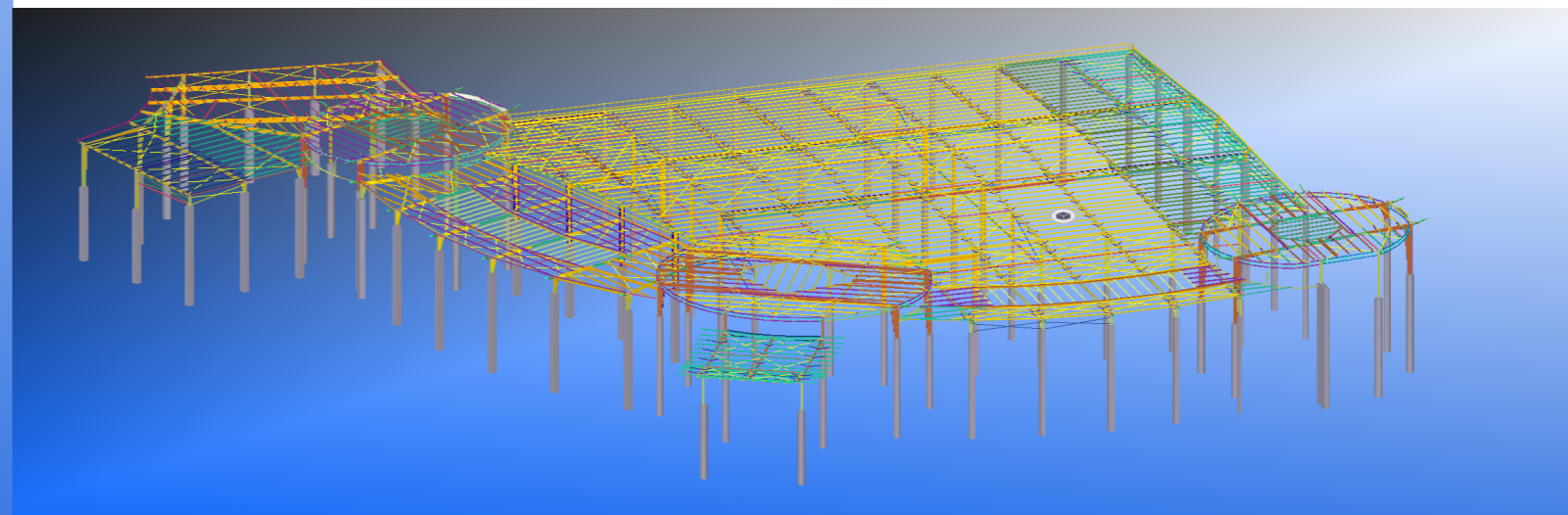
Project 8

Address
Indonesia

Scale
500 ton

Type construction
Shopping mall

Year
2020



Project 7

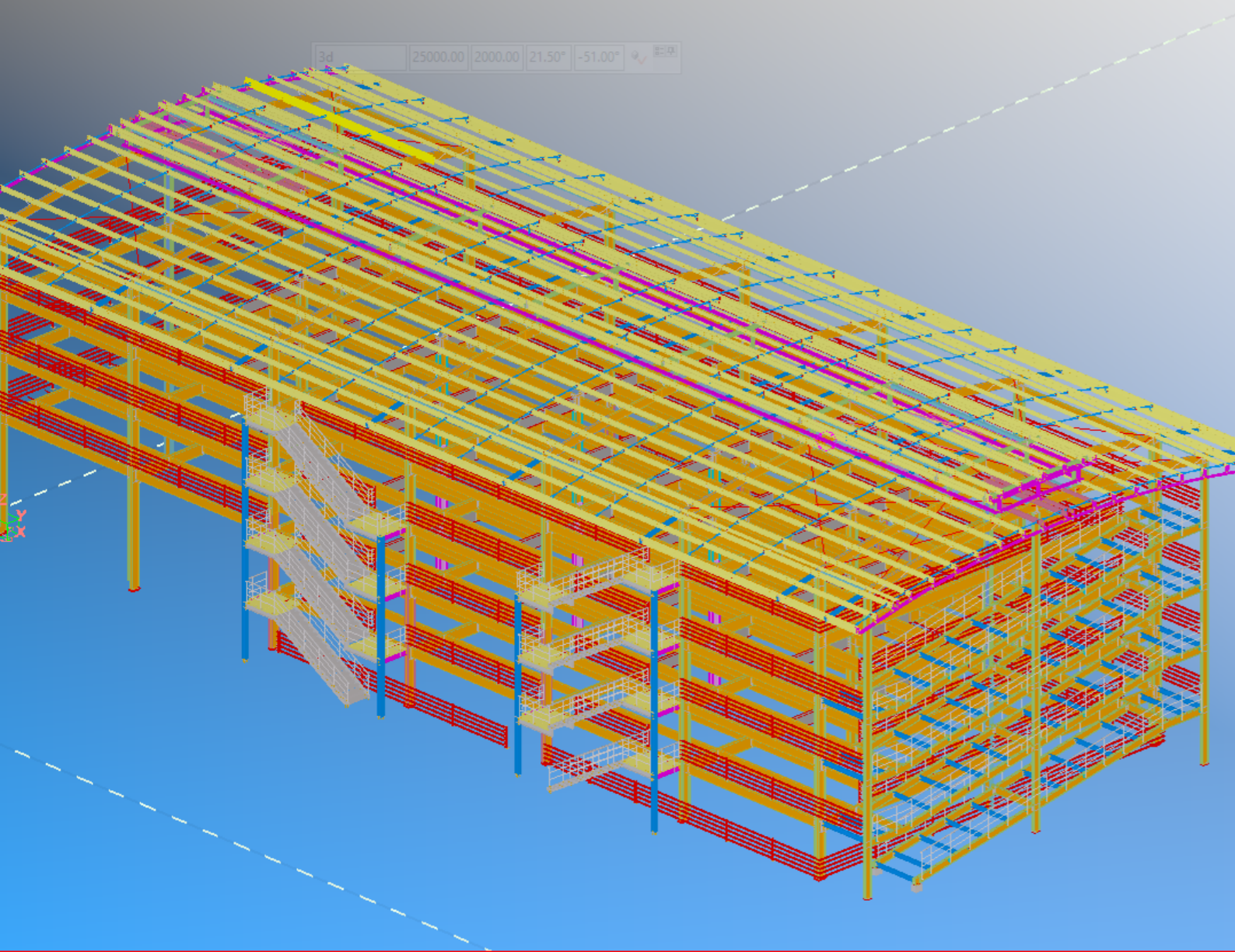
Address
Australia

Scale
300 ton

Type construction
Central Building

Year
2020





Project 9

Address

Vietnam

Scale

400 ton

Type construction

Parking garage

Year

2020



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