



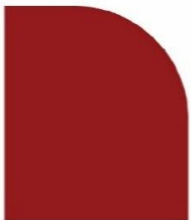
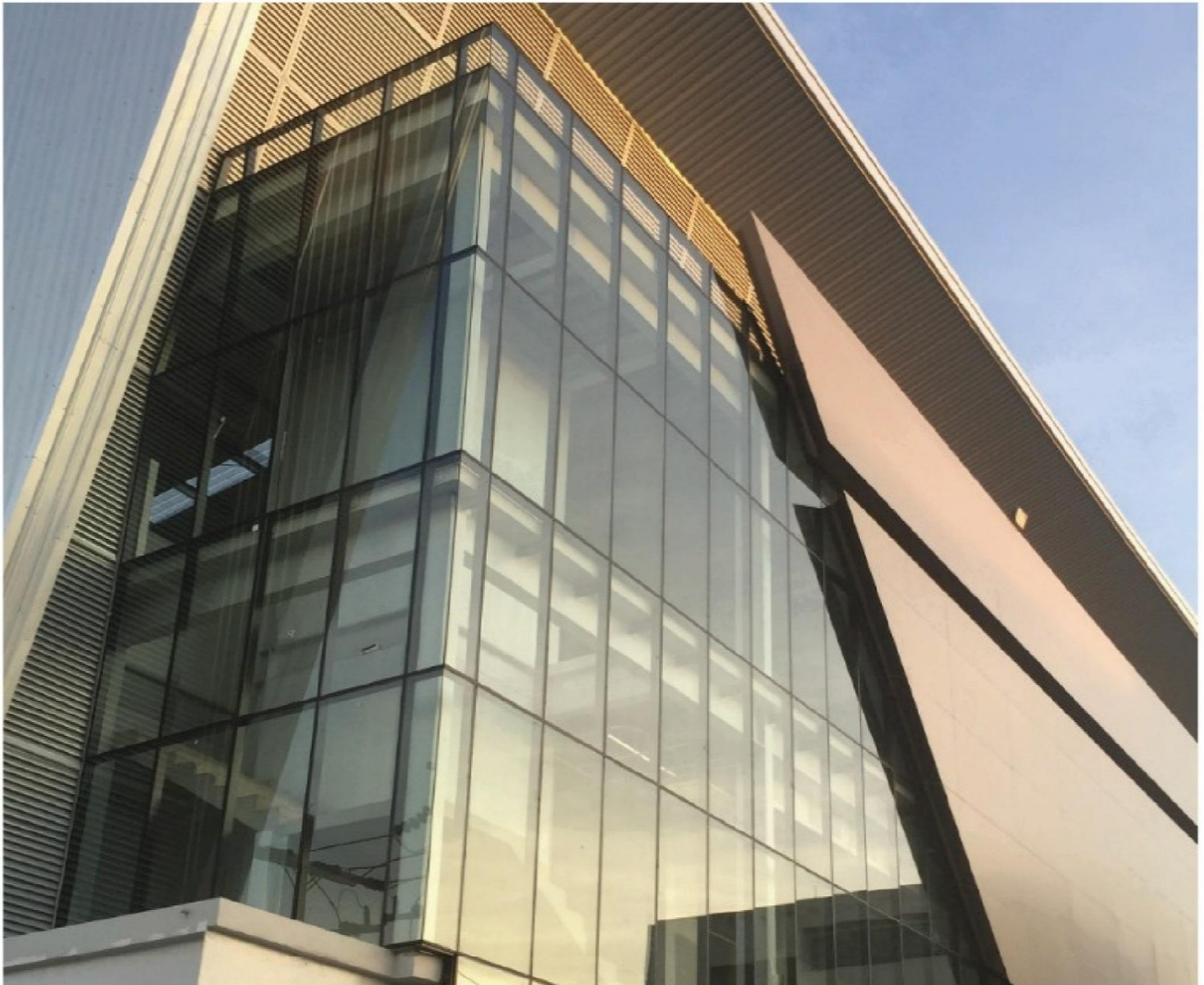
TF

SMART BUILT

**TURNKEY DESIGN & BUILD
PRE-ENGINEERING BUILDING**

TF CO.,LTD



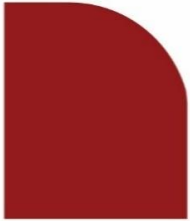


**We aim to be a leader in design and construction using
the Pre-Engineering Building system**

An Integrated Solution Provider

TF Co., Ltd. is a specialist engineering company in design and construction using prefabricated steel structures (Pre-Engineering Building). The company has expert engineers with over 25 years of experience in constructing buildings using this system, with over 100 completed projects, including large warehouses, manufacturing plants, high-rise buildings, and more. The company offers comprehensive services, including site surveys, feasibility studies, and complete design and construction services from start to finish (Turnkey System).

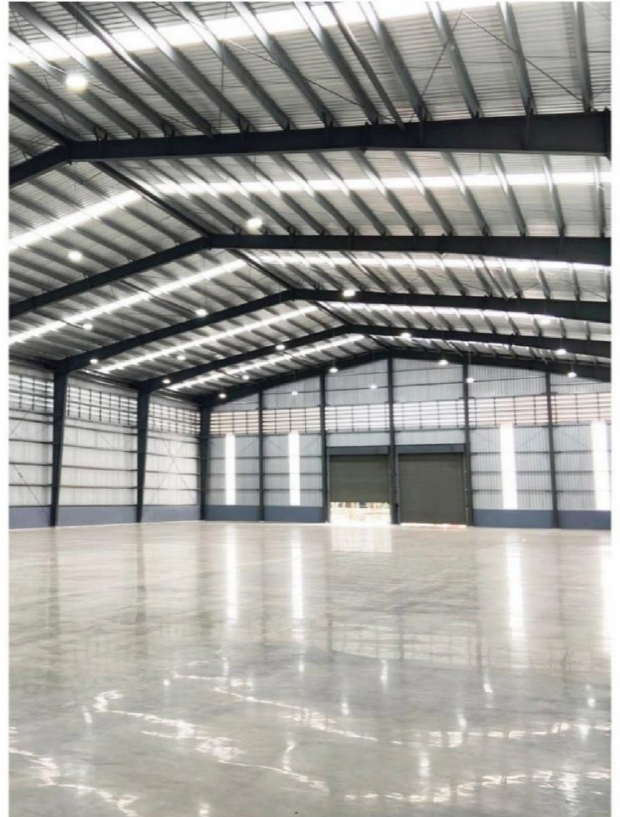
INTRODUCTION



TF Co., Ltd. was established in 2009 with an initial registered capital of 1 million baht, which has since increased to 15 million baht. The company's headquarters and warehouse are located on Ratchaphruek Road, Nonthaburi Province.



with an office and showroom space of 1,000 square meters and a warehouse space of 1,500 square meters



Additionally, there are more than 5 steel manufacturing plants located in Thailand, China, and Vietnam.

TF BUILDING SOLUTION FOR APPLICATION FIELDS



TF Building is prefabricated building, the cutting edge designed based on the customers need. It can be used in variety purposes and sizes to serve their business, whether it is a new build or refurbishment project.



- Warehouse
- Factory
- Commercial Building
- Supermarket
- Office & Parking
- Sport & Gym
- Other



ADVANTAGE

1. Cost Saving

- 1.1 Designed by reducing the steel sections according to the forces in each member.
- 1.2 Used less manpower and machines.



2. Time Saving

- 2.1 Fabrication in factory can be run together with foundation processes.
- 2.2 Faster installation by using only bolts and nuts.
- 2.3 Quality is controlled in factory and approved before shipping.



ADVANTAGE

3. Good Quality



RAW MATERIAL CHECKING



DRILLING & CUTTING CHECKING



FIT-UP CHECKING



WELDING CHECKING



SHOT BLASTING CHECKING



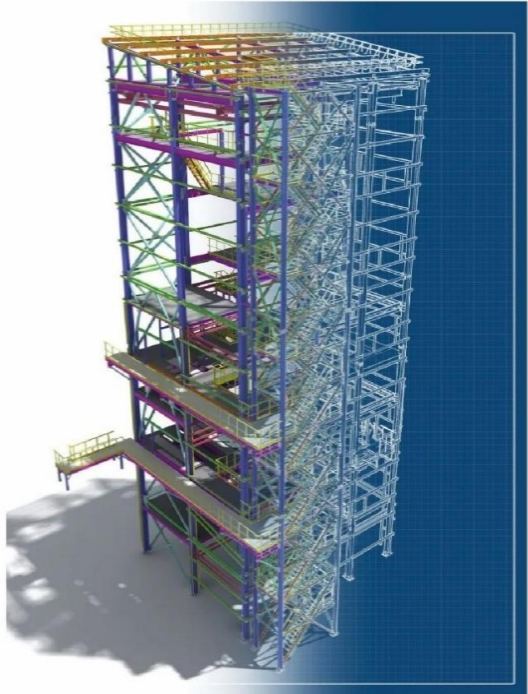
PAINTING CHECKING

DESIGN SOFTWARE



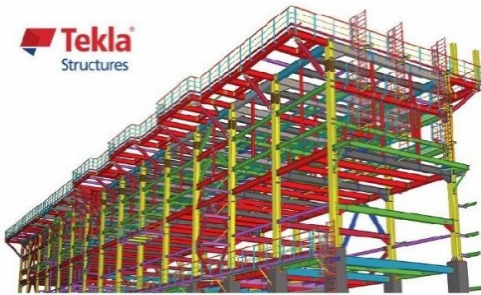
Our Design of Engineering part are fully computerized, utilizing the latest software packages to enable them to produce the most economical structures in the shortest time possible. The software packages most frequently. Used are : TEKLA, STAAD PRO, AUTO CAD.

Tekla Structures is powerful and flexible software for structural steel detailers and fabricators. We can create a detailed, constructible 3D model of any steel structure from industrial and commercial buildings to stadiums and high rise buildings. Working with Tekla software is the most productive way to manage detailing and realize the benefits of the model in fabrication and erection.



DESIGN SOFTWARE

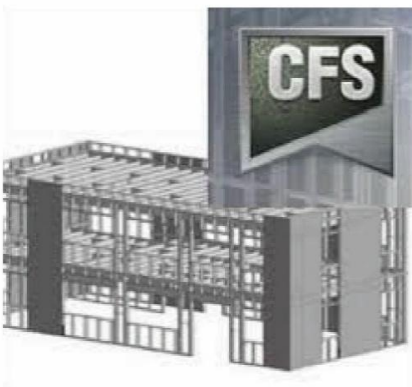
We are always conforming to international standards as UK, US, Australia. The engineers and skilled workers who are trained and have appropriate certificates to perform the jobs. All the designs and deployments are 3D modeled for checking and machining.



TEKLA STRUCTURE



TEKLA21



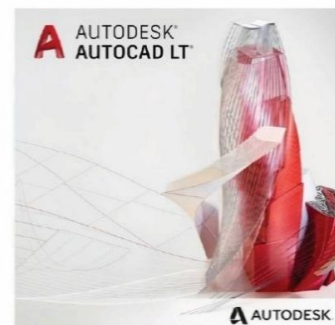
Cold rolled steel design



STAAD PRO-Structural analysis & design



CSI-ETAB 19 Structure analysis software



AutoCAD LT2024

DESIGN CODE

Innovation building is applying the international standard in analysis, design and manufacturing as :



1.AISC

- AMERICAN INSTITUTE OF STEEL CONSTRUCTION
Manual of Steel Construction Allowable Stress Design (ASD)

2.AISI

- AMERICAN IRON & STEEL INSTITUTE
Cold Formed Steel Design Manual

3.MBMA

- METAL BUILDINGS MANUFACTURERS ASSOCIATION
Authoritative guide for the design and manufacture of pre-engineered steel buildings

4.ASCE

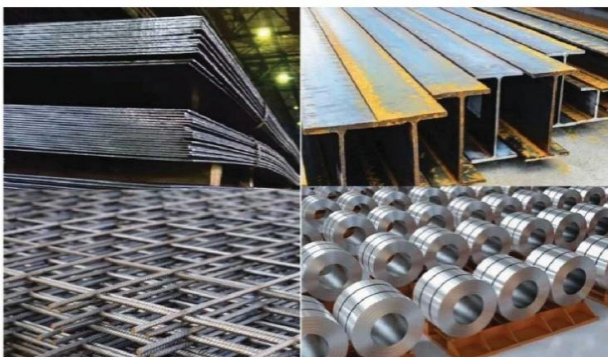
- AMERICAN SOCIETY OF CIVIL ENGINEERS
Minimum Design Loads for Buildings and Other Structures

5.AWS

- AMERICAN WELDING SOCIETY
Structural Welding Code Steel Manual

6.IBC 2009

- INTERNATIONAL BUILDING CODE



RAW MATERIAL

1.STEEL STRUCTURE RAW MATERIAL

2.COLD ROLLED, CLADDING STRUCTURE MATERIAL

QUALITY CERTIFICATE

These certifications signify Quality and International Standards for organizations or products.



1. UKAS Management Systems

- Certification from the United Kingdom Accreditation Service (UKAS), the UK's primary accreditation body for international quality assurance.

2. International Accreditation Forum (IAF)

- A global organization that establishes standards and guidelines for quality management system accreditation.

3. IAS Accredited

- Certification by the International Accreditation Service (IAS), which verifies compliance with international quality management standards.

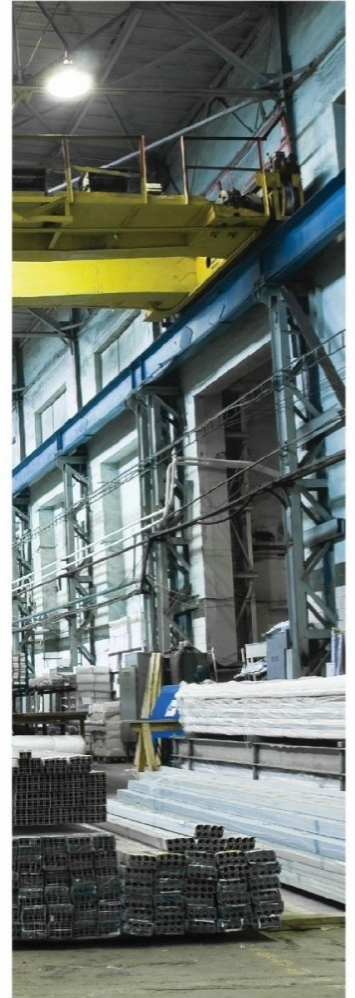
4. GICG (Global International Certification Group)

- A certification body that conducts audits and certifications for quality standards across various industries.

5. Bureau of Accreditation Vietnam

- A certification body in Vietnam that accredits quality and industry standards in the country.

MANUFACTURING PROCESS



*Capacity : Design, Manufacture & Erection of steel structures
(40,000 MT per year)*

MANUFACTURING PROCESS

EQUIPMENT PROCESSING STEEL PLATES & V ANGLES



- 1.LASER CUTTING MACHINE
- 2.CNC LASER CUTTING

ASSEMBLING & AUTOMATIC WELDING LINE



- 1.VERTICAL H BEAM WELDING LINE
- 2.H BEAM ASSEMBLING & FITTING UP LINE
- 3.HORIZONTAL H BEAM WELDING LINE

MANUFACTURING PROCESS

COMPLEMENT ASSEMBLY



SHOT BLASTING LINE

CLEANING & PAINTING



PAINTING LINE



MANUFACTURING PROCESS

QUALITY CONTROL



RAW MATERIAL CHECKING



DRILLING & CUTTING CHECKING



FIT-UP CHECKING



WELDING CHECKING



SHOT BLASTING

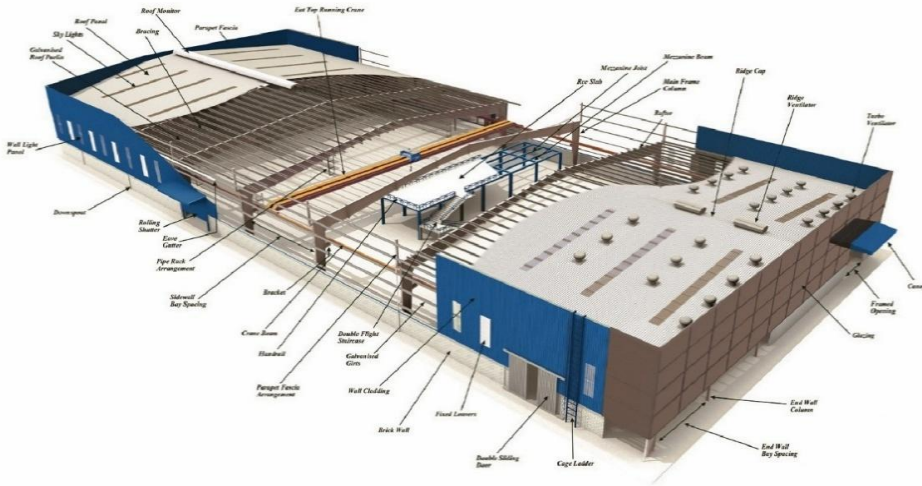


PAINTING

DESCRIPTION

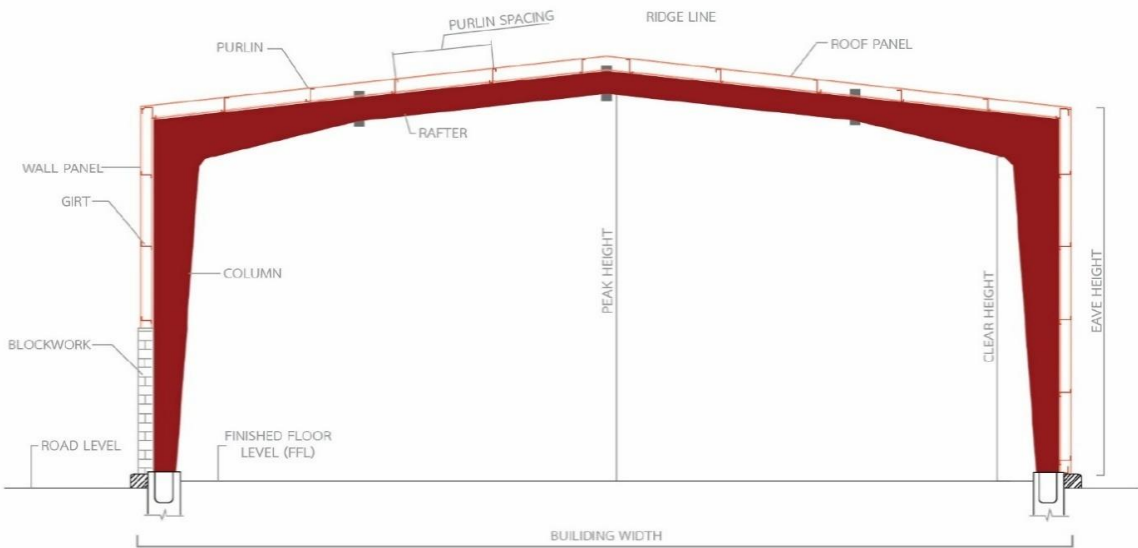
TF SMART BUILT SYSTEM

For those who demand quality at reasonable price



Overall structure of TF steel building system

TF SMART BUILT PARAMETERS



- ◆ Building Width
- ◆ End bay length
- ◆ Building Height
- ◆ Building Length
- ◆ Design Load
- ◆ Roof Slope

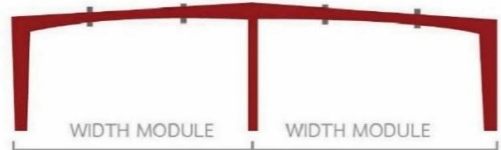


DESCRIPTION

TF SMART BUILT TYPE



BUILDING WIDTH
MAX . PRACTICAL WIDTH = 80 Mtr.
MULTI SPAN (TCCS)



BUILDING WIDTH
MAX . PRACTICAL WIDTH = 70 Mtr.
MULTI SPAN "1" (TCMS-1)



BUILDING WIDTH
MAX . PRACTICAL WIDTH = 50 Mtr.
MULTI SPAN (TCCS)



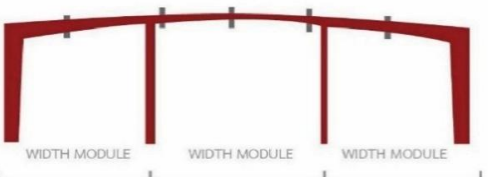
BUILDING WIDTH
MULTI SPAN "2" (MS-2)



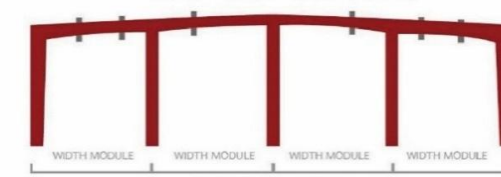
CURVED ROOF RAFTER
R.F. COLUMN
MAX . PRACTICAL WIDTH = 90 Mtr.
ARCHED CLEAR-SPAN (AS)



CURVED ROOF RAFTER
R.F. COLUMN
WIDTH MODULE
BUILDING WIDTH
MAX . PRACTICAL WIDTH MODULE = 70 Mtr.
MORE MULTI - SPANS ARE POSSIBLE (AMS-2, AMS-3,...)
ARCHED MULTI - SPAN (AMS-1)



WIDTH MODULE
BUILDING WIDTH
MAX . PRACTICAL WIDTH = 70 Mtr.
MULTI SPAN "2" (TCMS-1)



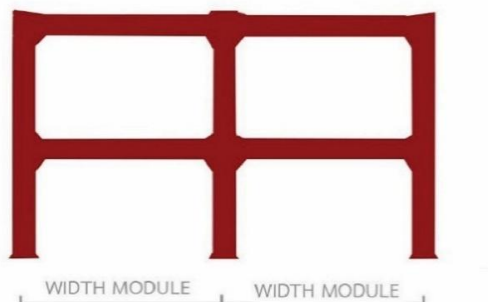
WIDTH MODULE
BUILDING WIDTH
MAX . PRACTICAL WIDTH = 70 Mtr.
MULTI SPAN "3" (TCMS-1)



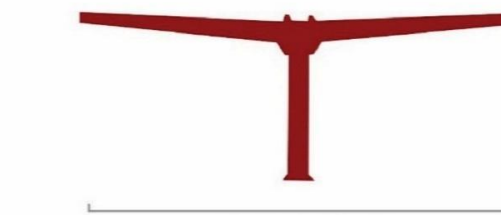
WIDTH MODULE
BUILDING WIDTH
MAX . PRACTICAL WIDTH = 80 Mtr.
MULTI GABLE (MG)



BUILDING WIDTH
MAX . PRACTICAL WIDTH = 30 Mtr.
RAFTER STYSTEM

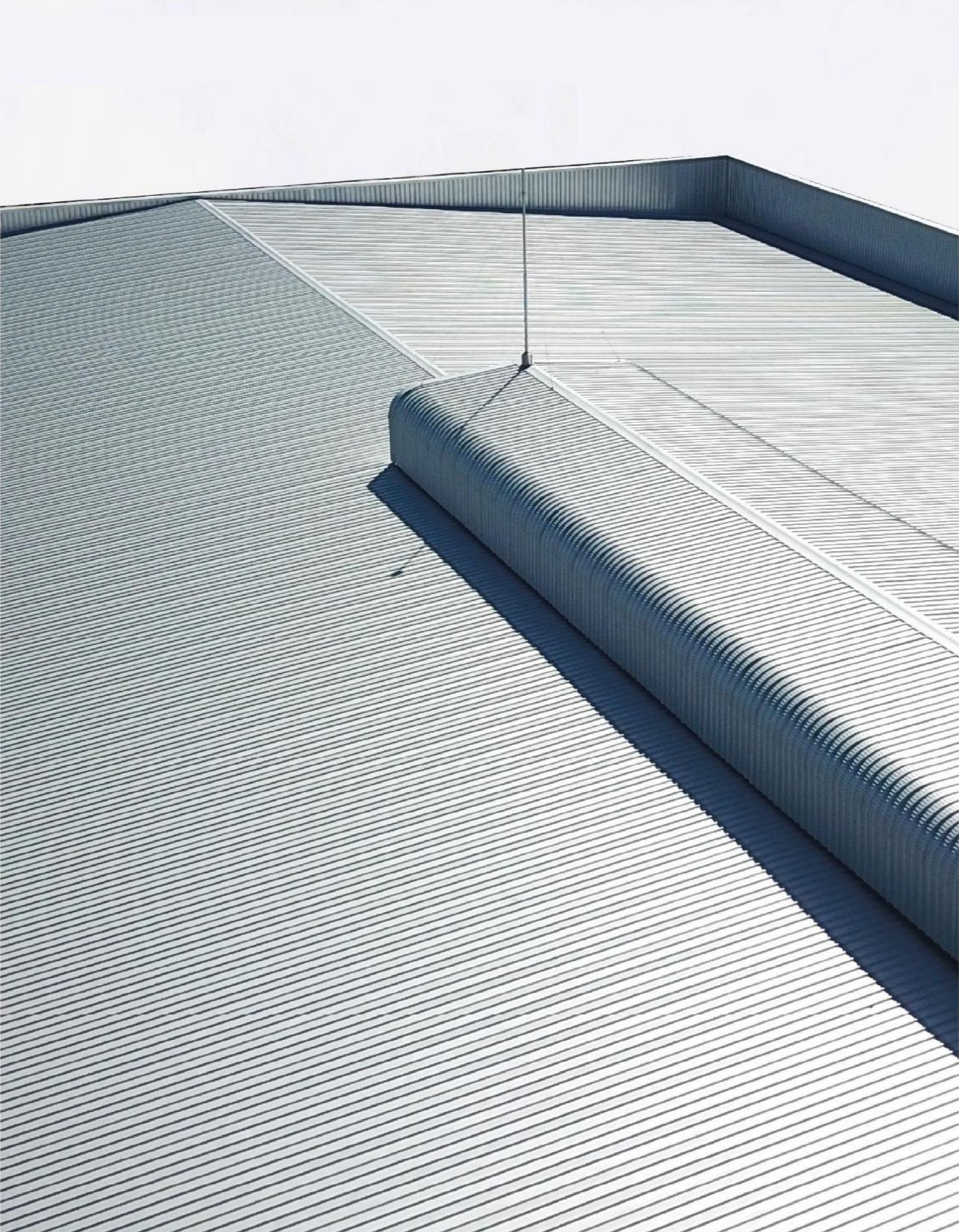


WIDTH MODULE
BUILDING WIDTH



BUILDING WIDTH

CONSTRUCTION PROCEDURE



CONSTRUCTION PROCEDURE

◆ CONCRETE FOUNDATION



CONSTRUCTION PROCEDURE

◆ STRUCTURE ERECTION



◆ METAL ROOF SHEET AND METAL WALL SIDING



CONSTRUCTION PROCEDURE

◆ ARCHITECTURAL WORK



◆ LIGHTING AND ELECTRICAL WORK

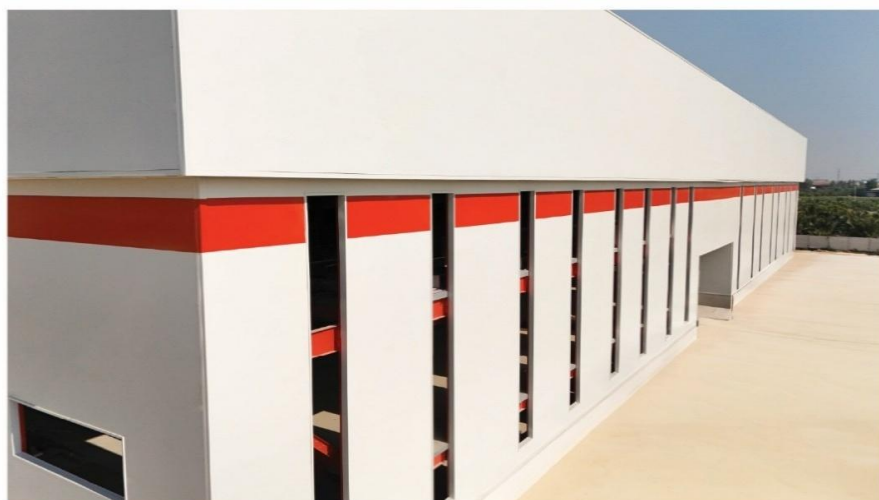


COMPLETE PROJECT



PROJECT REFERENCE





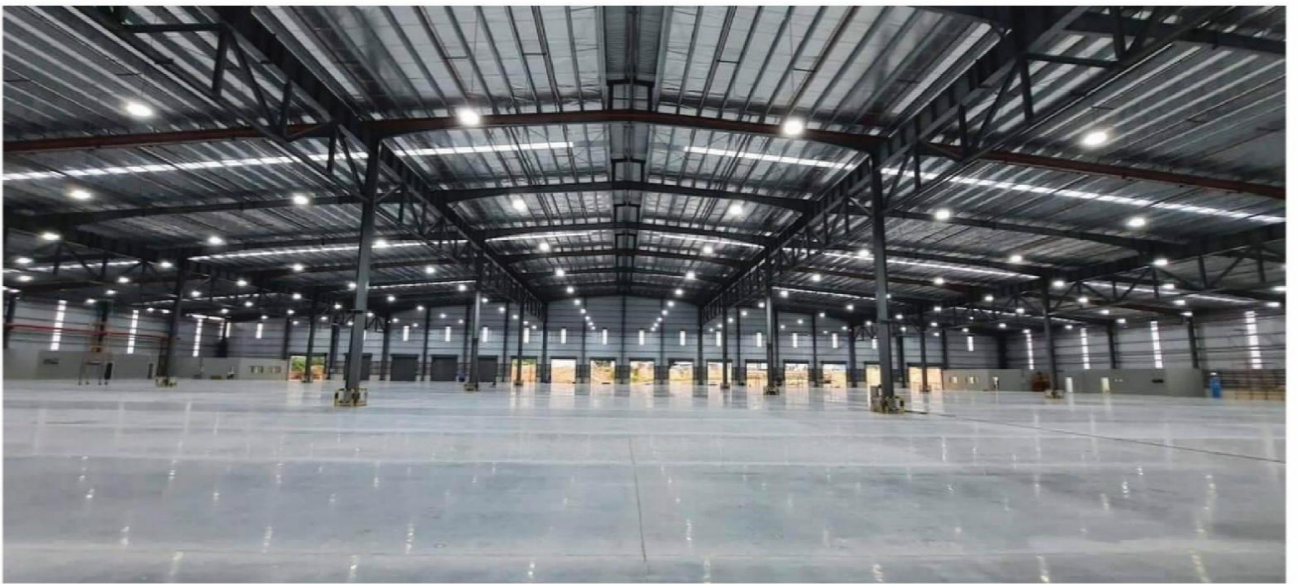
Type : Food Factory
Location : Samut Sakhon
Area : 35,000 sq.m.

Width : 120.00 m.
Length : 150.00 m.
Height : 14.00 m.



Type : Food Factory
Location : Samut Sakhon
Area : 35,000 sq.m.

Width : 120.00 m.
Length : 150.00 m.
Height : 14.00 m.



Type : Warehouse for Rent

Location : Rayong

Area : 15,600 sq.m.

Width : 130.00 m.

Length : 120.00 m.

Height : 9.00 m.



Type : Warehouse Storage
Location : Samut Sakhon
Area : 12,240 sq.m.

Width : 105.00 m.
Length : 120.00 m.
Height : 8.00 m.

SIAM WAREHOUSE



Type : Warehouse for Rent

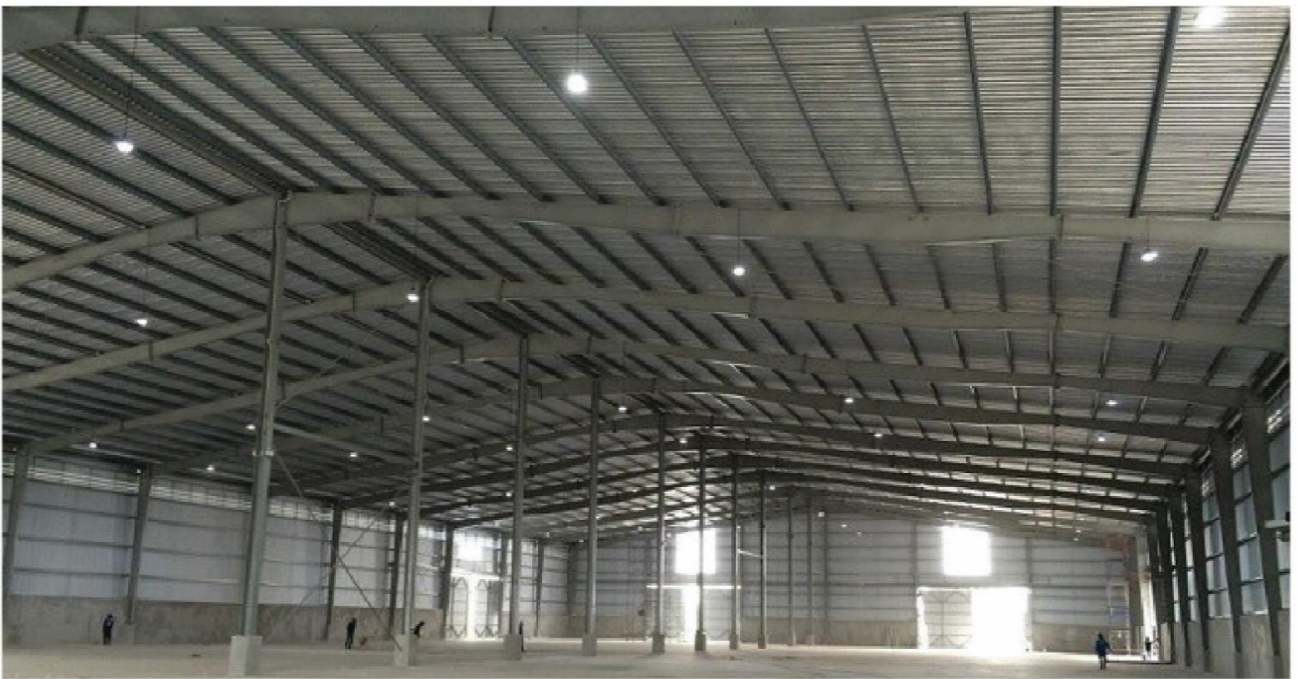
Location : Samut Sakhon

Area : 90,000 sq.m.

Width : 50-80 m.

Length : 100-150 m.

Height : 8.00 m.



Type : Fertilizer Warehouse

Location : Ayutthaya

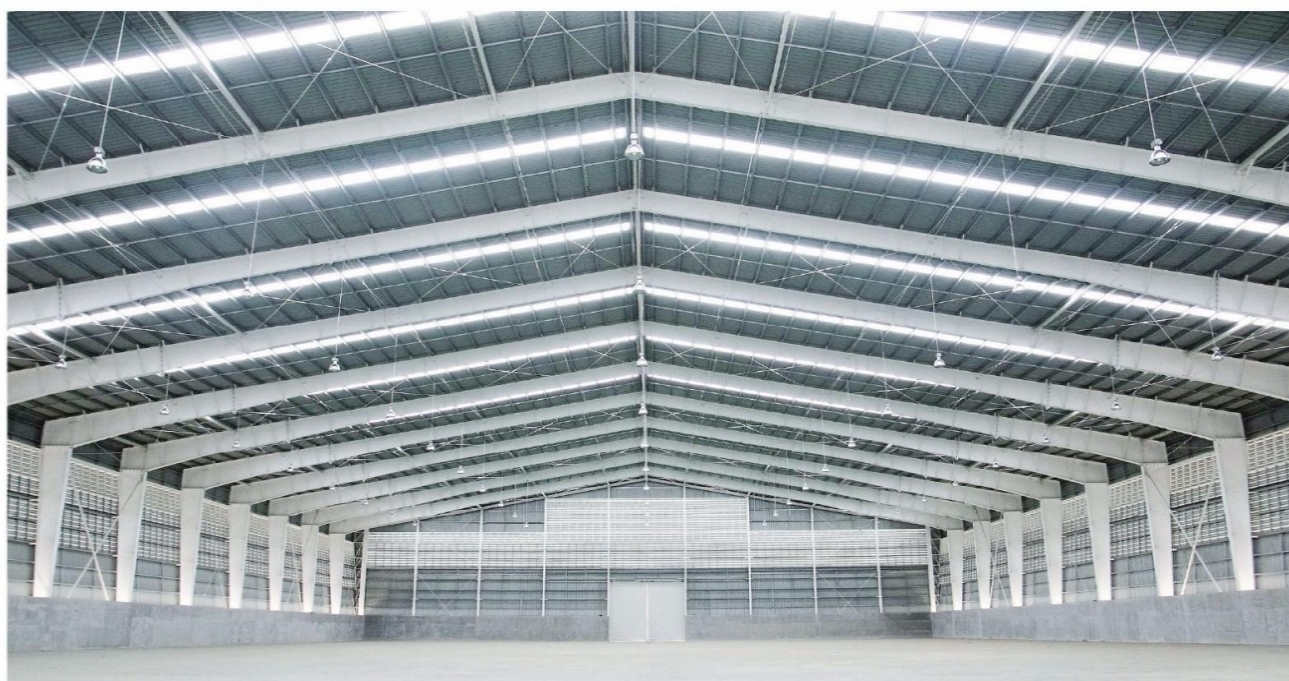
Area : 10,500 sq.m.

Width : 90.00 m.

Length : 100.00 m.

Height : 9.00 m.

C.P INTERTRADE CO, LTD



Type : Rice Mill

Location : Ayutthaya

Area : 9,000 sq.m.

Width : 70.00 m.

Length : 120.00 m.

Height : 12.00 m.

CONCORDIAN INTERNATIONAL SCHOOL



Type : Sport Complex Building

Location : Bangkok

Area : 7,872 sq.m.

Width : 24.00 m.

Length : 82.00 m.

Height : 18.30 m.



Type : Rubber Factory

Location : Chachoengsao

Area : 7,700 sq.m.

Width : 55.00 m.

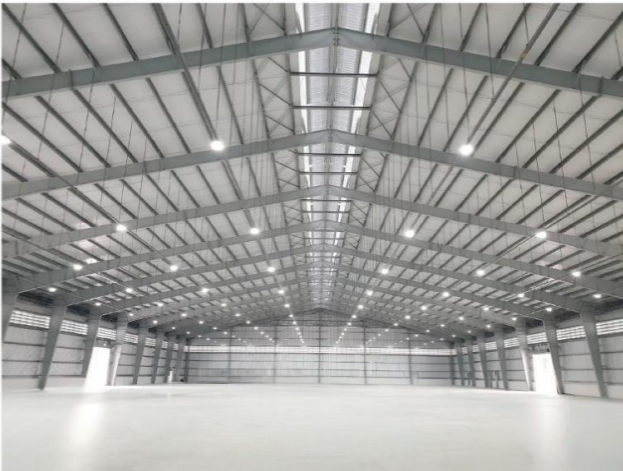
Length : 140.00 m.

Height : 18.50 m.



Type : Warehouse
Location : Rayong
Area : 7,000 sq.m.

Width : 50.00 m.
Length : 140.00 m.
Height : 9.00 m.



Type : Auto Parts Warehouse
and Office

Location : Chonburi

Area : 6,590 sq.m.

Width : 54.00 m.

Length : 112.00 m.

Height : 8.00 m.

STARSUN FOOD (THAILAND) CO.,LTD (PHASE B)



Type : Food Factory

Location : Phetchaburi

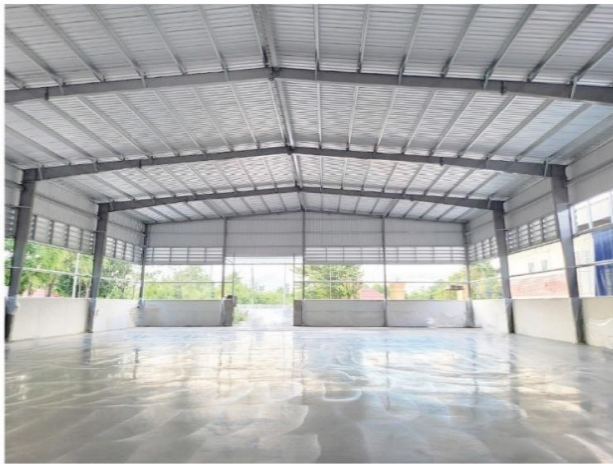
Area : 6,200 sq.m.

Width : 40.70+11 m.

Length : 135.00 m.

Height : 8.00 m.

STARSUN FOOD (THAILAND) CO.,LTD (PHASE A)



Type : Food Factory

Location : Phetchaburi

Area : 1,000 sq.m.

Width : 27.00 m.

Length : 37.00 m.

Height : 8.00 m.

HAN PHOENIX ENTERPRISE CO.,LTD



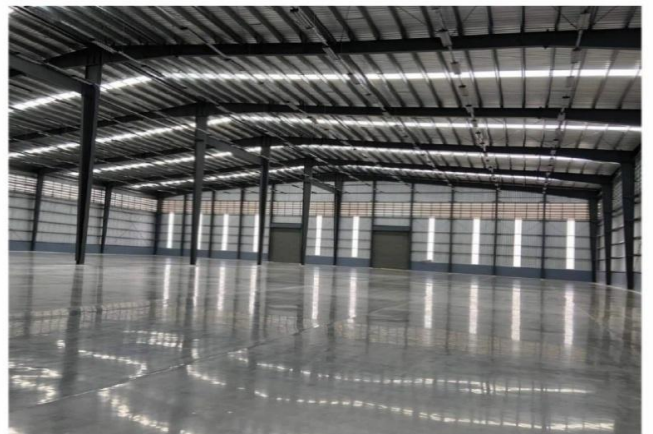
Type : Warehouse Storage
Location : Chachoengsao
Area : 6,000 sq.m.

Width : 50.00 m.

Length : 120.00 m.

Height : 9.00 m.

ARUN CHAROENYING CO.,LTD



Type : Motorcycle Warehouse

Location : Chachoengsao

Area : 5,465 sq.m.

Width : 96.50 m.

Length : 60.00 m.

Height : 9.00 m.

TERABRIGHT LIGHTING CO.,LTD



Type : Factory & Warehouse

Location : Nonthaburi

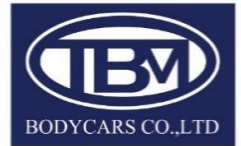
Area : 4,928 sq.m.

Width : 22.00 m.

Length : 224.00 m.

Height : 8.00 m.

T.B.M BODYCARS CO., LTD



Type : Factory

Location : Nakhon Pathom

Area : 4,480 sq.m.

Width : 38+18 m.

Length : 80.00 m.

Height : 8.00 m.

SC AGRITECH CO.,LTD



Type : Factory & Office

Location : Chonburi

Area : 4,400 sq.m.

Width : 40.00 m.

Length : 100.00 m.

Height : 8.00 m.

SC HEALTHY DRINK CO.,LTD



Type : Good Manufacturing Practice

Location : Chonburi

Area : 3,600 sq.m.

Width : 40.00 m.

Length : 60.00 m.

Height : 8.00 m.

BEST BEING REAL ESTATE CO., LTD



Type : Warehouse

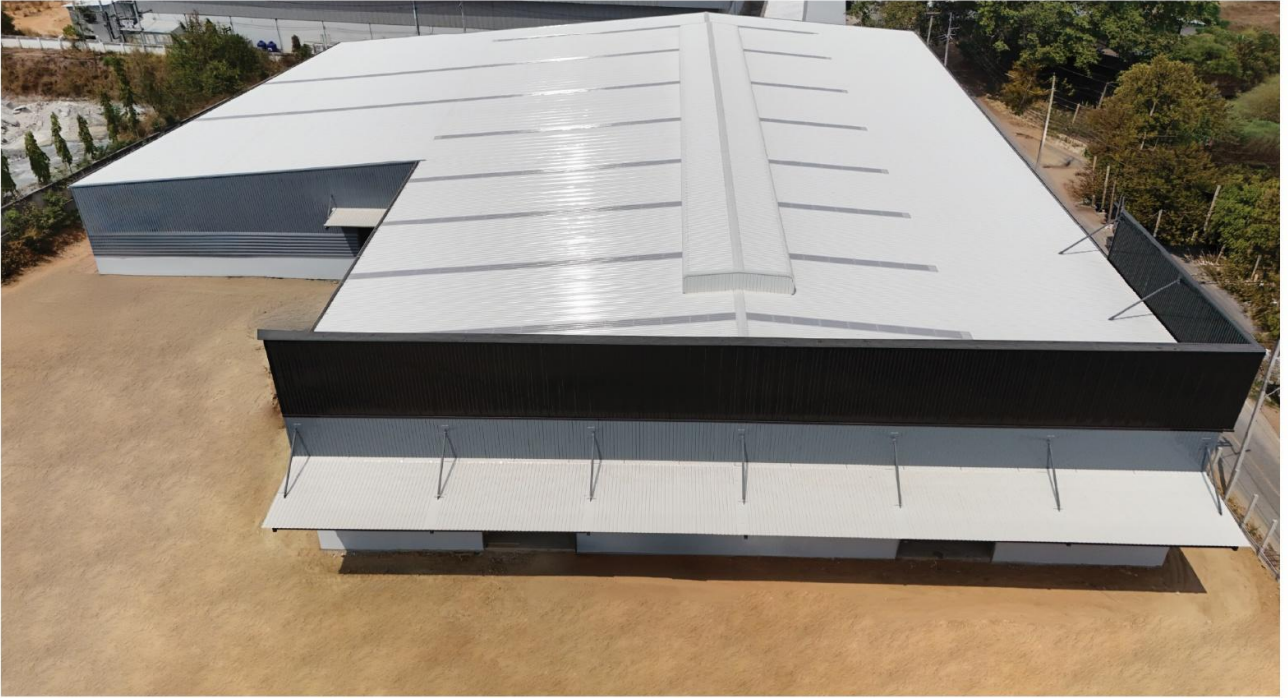
Location : Samut Prakan

Area : 4,266 sq.m.

Width : 36.00 m.

Length : 114.00 m.

Height : 9.00 m.



Type : Warehouse Storage

Location : Chonburi

Area : 4,210 sq.m.

Width : 45+28 m.

Length : 72.00 m.

Height : 9.00 m.

JAROONRAT INDUSTRY CO., LTD



Type : Factory

Location : Chonburi

Area : 4,152 sq.m.

Width : 40.00 m.

Length : 80.00 m.

Height : 11.00 m.

YANMAR S.P. COMPANY LIMITED



Type : Romklao Progress

Location : Bangkok

Area : 4,000 sq.m.

Width : 20.00 m.

Length : 200.00 m.

Height : 6.00 m.

OTTONICK WORLD CO.,LTD



Type : Warehouse

Location : Pathum Thani

Area : 4,000 sq.m.

Width : 25.00 m.

Length : 160.00 m.

Height : 8/10 m.

OUT OF THE BLUE BOX CO.,LTD



Type : Sport Screen Factory

Location : Samut Sakhon

Area : 3,906 sq.m.

Width : 42.00 m.

Length : 62.00 m.

Height : 15.00 m.

KHAO SHONG GROUP CO.,LTD



Type : Warehouse Extension

Location : Chachoengsao

Area : 3,808 sq.m.

Width : 28.00 m.

Length : 136.00 m.

Height : 8.00 m.



Type : Warehouse Storage
Location : Pathum Thani
Area : 3,600 sq.m.

Width : 45.00 m.

Length : 80.00 m.

Height : 9.00 m.

VIRIYA RUNGRUANG RECYCLE LTD.,PART



Type : Warehouse

Location : Bangkok

Area : 3,200 sq.m.

Width : 30.00 m.

Length : 48.00 m.

Height : 9.00 m.



Type : Warehouse & Office

Location : Phetchaburi

Area : 2,688 sq.m.

Width : 28.00 m.

Length : 96.00 m.

Height : 9.00 m.

TREE FRAME INTERTRADE CO.,LTD



Type : Treeframe Warehouse

Location : Nonthaburi

Area : 2,532 sq.m.

Width : 32.00 m.

Length : 62.00 m.

Height : 8.00 m.

AK HEALTHY PRO CO.,LTD



AK Healthy Pro



Type : Medical Food Factory

Location : Pathum Thani

Area : 2,500 sq.m.

Width : 23.00 m.

Length : 62.00 m.

Height : 8/10 m.

AK HEALTHY PRO CO.,LTD



AK Healthy Pro



Type : Medical Food Factory

Location : Pathum Thani

Area : 2,500 sq.m.

Width : 23.00 m.

Length : 62.00 m.

Height : 8/10 m.

THAI SOLUTRADE CO.,LTD



Type : Warehouse

Location : Pathum Thani

Area : 2,490 sq.m.

Width : 30.00 m.

Length : 78.00 m.

Height : 8.00 m.

DINO MART



Type : Dinomart Warehouse

Location : Samut Sakhon

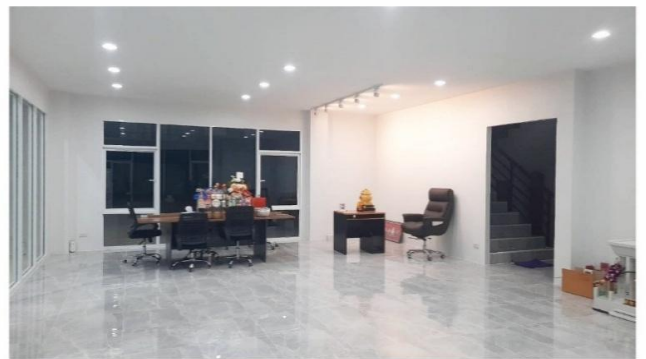
Area : 2,304 sq.m.

Width : 32.00 m.

Length : 72.00 m.

Height : 8.00 m.

STUDIO 365 CO.,LTD



Type : Warehouse & Office

Location : Samut Prakan

Area : 2,088 sq.m.

Width : 35.00 m.

Length : 50.00 m.

Height : 8.00 m.

DOCTOR BLOW MOLDING CO.,LTD (PHASE A)



Type : Factory

Location : Rayong

Area : 1,968 sq.m.

Width : 30.00 m.

Length : 64.00 m.

Height : 8.00 m.

DOCTOR BLOW MOLDING CO.,LTD (PHASE B)



Type : Factory

Location : Rayong

Area : 1,683 sq.m.

Width : 26.00 m.

Length : 63.00 m.

Height : 8.00 m.

CONTAINER



Type : Factory

Location : Samut Sakhon

Area : 1,740 sq.m.

Width : 29.00 m.

Length : 60.00 m.

Height : 9.50 m.

MAXIMUM MACHINE CO., LTD.



Type : Plastic Bottle Factory

Location : Ayutthaya

Area : 1,504 sq.m.

Width : 26.00 m.

Length : 56.00 m.

Height : 8.00 m.

MAXIMUM MACHINE CO., LTD. (EXTENSION)



Type : Plastic Bottle Factory

Location : Ayutthaya

Area : 1,120 sq.m.

Width : 20.00 m.

Length : 56.00 m.

Height : 8.00 m.

MAXIMUM MACHINE CO., LTD. (PHASE 2)



Type : Warehouse Storage

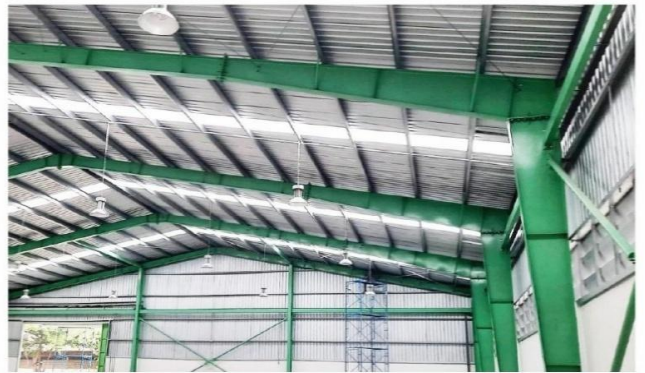
Location : Nonthaburi

Area : 1,274 sq.m.

Width : 26.00 m.

Length : 49.00 m.

Height : 8.00 m.



Type : Warehouse

Location : Pathum Thani

Area : 1,466.15 sq.m.

Width : 29.50 m.

Length : 49.70 m.

Height : 8.00 m.



Type : Food Film Factory

Location : Prachin Buri

Area : 1,344 sq.m.

Width : 24.00 m.

Length : 56.00 m.

Height : 6.00 m.

LONGCHUMSAENG GROUP CO.,LTD



Type : Warehouse

Location : Pathum Thani

Area : 1,200 sq.m.

Width : 25.00 m.

Length : 48.00 m.

Height : 10.00 m.

E.G.O. MULTITASK CO.,LTD



Type : Warehouse

Location : Bangkok

Area : 1,071 sq.m.

Width : 21.00 m.

Length : 51.00 m.

Height : 6.50 m.

BAMRUNG WITTAYA SCHOOL



Type : Multipurpose Building

Location : Buriram

Area : 1,050 sq.m.

Width : 25.00 m.

Length : 42.00 m.

Height : 8.00 m.

SOTUS ENGINEERING CO.,LTD



Type : Warehouse & Office

Location : Chonburi

Area : 925 sq.m.

Width : 25.00 m.

Length : 32.00 m.

Height : 6.00 m.

DIN CORPORATION LIMITED



Type : Warehouse

Location : Bangkok

Area : 920 sq.m.

Width : 23.00 m.

Length : 40.00 m.

Height : 8.00 m.

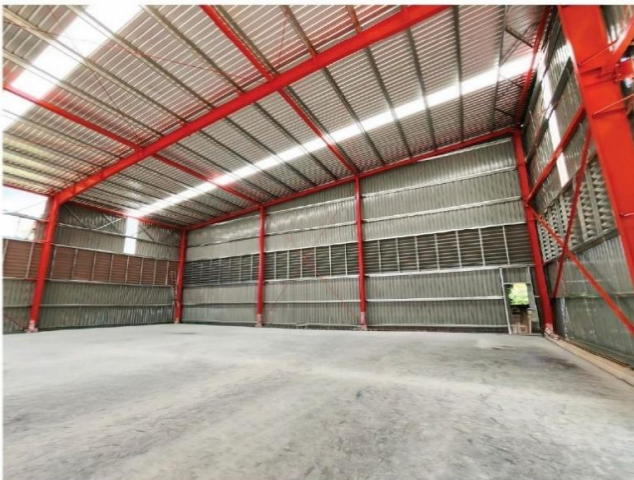
VELIFE INNOVATION CO., LTD



Type : Factory & Office
Location : Samut Prakan
Area : 893 sq.m.

Width : 27.00 m.
Length : 36.00 m.
Height : 6.50 m.

N.D.RICH CO.,LTD



Type : Warehouse

Location : Nonthaburi

Area : 805 sq.m.

Width : 23.00 m.

Length : 35.00 m.

Height : 7/9 m.

MIRACLAS CO.,LTD



Type : Warehouse

Location : Samut Prakan

Area : 800 sq.m.

Width : 16.00 m.

Length : 50.00 m.

Height : 6.00 m.



Type : Warehouse

Location : Samut Prakan

Area : 760 sq.m.

Width : 20.00 m.

Length : 38.00 m.

Height : 6.00 m.

DJT AUTO GROUP CO.,LTD



Type : Warehouse & Office

Location : Nonthaburi

Area : 672 & 252 sq.m.

Width : 10.5 & 12 m.

Length : 24 & 56 m.

Height : 6.00 m.

RENTOR



Type : Warehouse

Location : Bangkok

Area : 640 sq.m. (30 Unit)

Width : 20.00 m.

Length : 32.00 m.

Height : 7.00 m.

FOODTECH PRODUCTS (THAILAND) CO.,LTD



Type : Warehouse

Location : Pathum Thani

Area : 450 & 345 sq.m.

Width : 15.00 m.

Length : 30 / 23 m.

Height : 8.00 m.

FOODTECH PRODUCTS (THAILAND) CO.,LTD



Type : House

Location : Nakhon Nayok

Area : 166.50 sq.m.

Width : 9.00 m.

Length : 18.50 m.

Height : 3.00 m.

SUNMOON BUILD CO., LTD.



Type : Warehouse Storage

Location : Tak

Area : 6,360 sq.m.

Width : 53.00 m.

Length : 120.00 m.

Height : 9.00 m.



Type : Factories and Cafeterias

Location : Chonburi

Area : 3,344 sq.m.

Width : 44.00 m.

Length : 76.00 m.

Height : 9.35 m.

SHUANGHUI DEVELOPMENT CO., LTD



Type : Warehouse

Location : Nakhon Si Thammarat

Area : 2,144 sq.m.

Width : 28.00 m.

Length : 72.00 m.

Height : 8.00 m.

RAKTORANI



Type : Factory

Location : Ratchaburi

Area : 1,560 sq.m.

Width : 30.00 m.

Length : 48.00 m.

Height : 7.00 m.

LION KING BOXING GYM



Type : Boxing Stadium

Location : Phuket

Area : 1,330 sq.m.

Width : 28.00 m.

Length : 45.50 m.

Height : 10.00 m.

JC METAL CO., LTD.



Type : JC Factory

Location : Nonthaburi

Area : 1,200 sq.m.

Width : 20.00 m.

Length : 60.00 m.

Height : 11.00 m.

SA INTERPART



Type : Factory

Location : Chachoengsao

Area : 1,080 sq.m.

Width : 20.00 m.

Length : 35.00 m.

Height : 9.00 m.

PORFAH (PHASE 1)



Type : Warehouse

Location : Uttaradit

Area : 1,080 sq.m.

Width : 30.00 m.

Length : 36.00 m.

Height : 8.00 m.

PORFAH (PHASE 2)



Type : Warehouse

Location : Uttaradit

Area : 600 sq.m.

Width : 30.00 m.

Length : 20.00 m.

Height : 8.00 m.



Type : Warehouse

Location : Samut Sakorn

Area : 1,080 sq.m.

Width : 18.00 m.

Length : 60.00 m.

Height : 7/9 m.

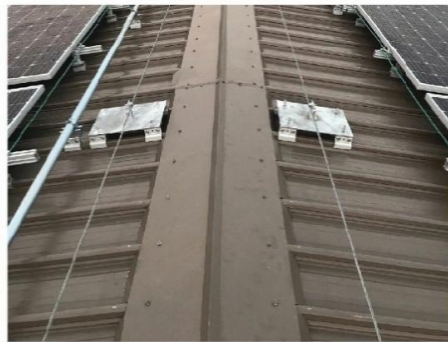
TWENTY FIVE DESIGN CO., LTD



Type : Warehouse
Location : Bangkok
Area : 828 sq.m.

Width : 22.00 m.
Length : 36.00 m.
Height : 7.80 m.

MPK PROGRESS CO.,LTD



Type : Rooftop

Location : Bangkok

Area : 403 sq.m.

Width : 31.00 m.

Length : 13.00 m.

Height : 7.40 m.

THEPPRATANPORN INTERGROUP CO.,LTD



Type : Warehouse
Location : Bangkok
Area : 300 sq.m.

Width : 7.00 m.
Length : 21.00 m.
Height : 6.00 m.

KHAO SHONG GROUP CO.,LTD



Type : Waste Storage

Location : Chachoengsao

Area : 114 sq.m.

Width : 6.00 m.

Length : 19.00 m.

Height : 4.00 m.

TF CO.,LTD

SMART PRODUCT
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SMART BUILT

TURNKEY DESIGN & BUILD
PRE-ENGINEERING BUILDING

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เรื่องเล็กเรื่องเล็ก



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