

**SMART PRODUCT
BUILD THE PASSION**



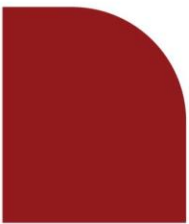
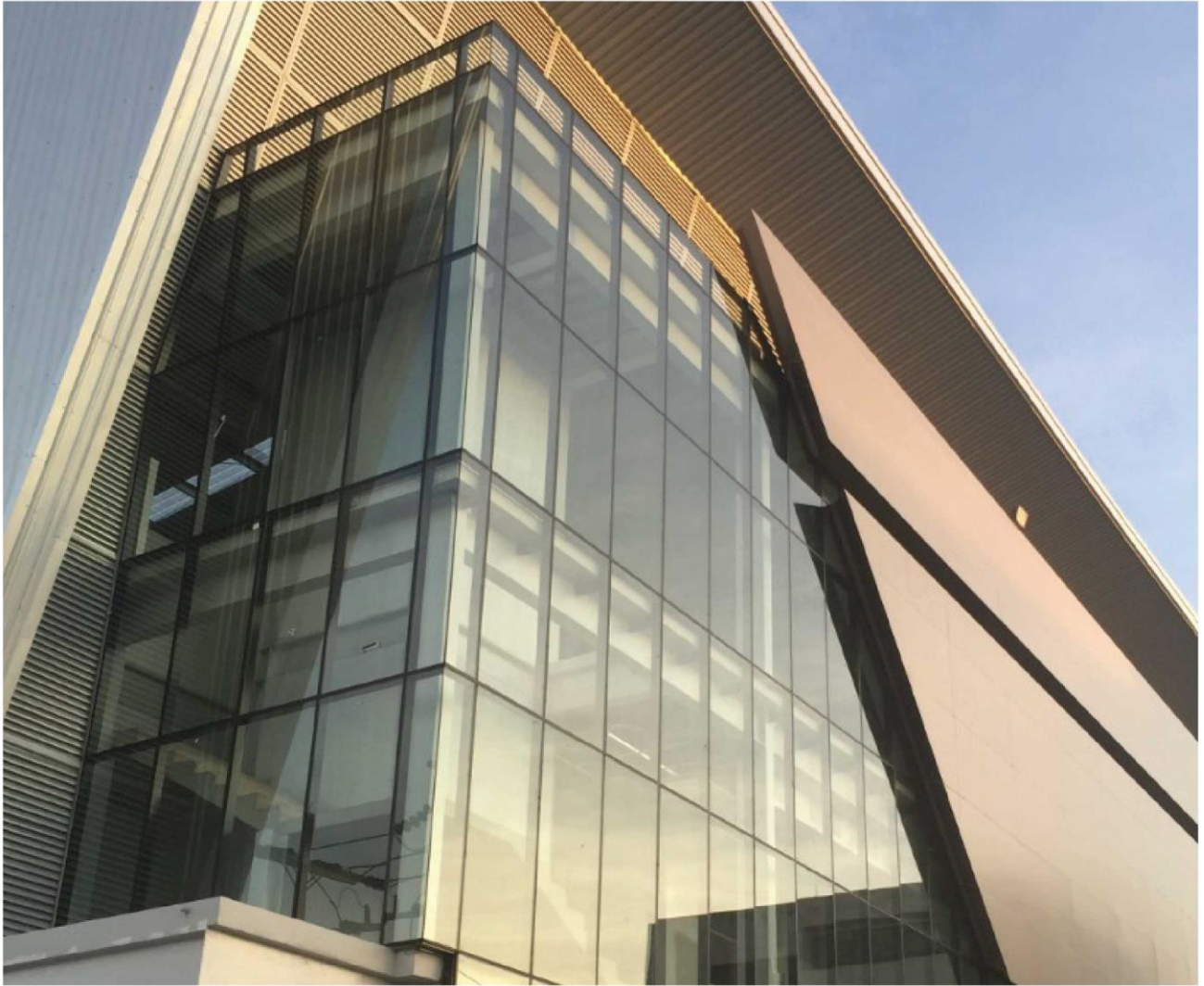
SMART BUILT

PRE ENGINEERED STEEL BUILDING

DESIGN - MANUFACTURING
ERECTION - CONSTRUCTION - TURNKEY

**TF CO., LTD.
THE I.D. 8 CO., LTD.**



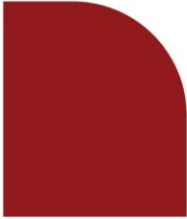


Aiming to be the leading manufacturer and service provider for prefabrication building world wide.

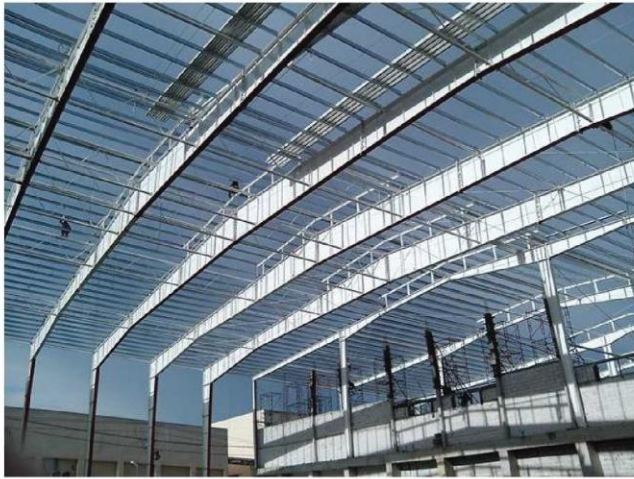
--An Integrated Solution Provider

TF Construction company as impressive engineer innovation that was founded by a team of engineers who are experienced with expertise in the construction and also a factory that highlight the services that meet the needs of customers from beginning to end the process from the design consultant made ready to install as well as construction with quality and price.

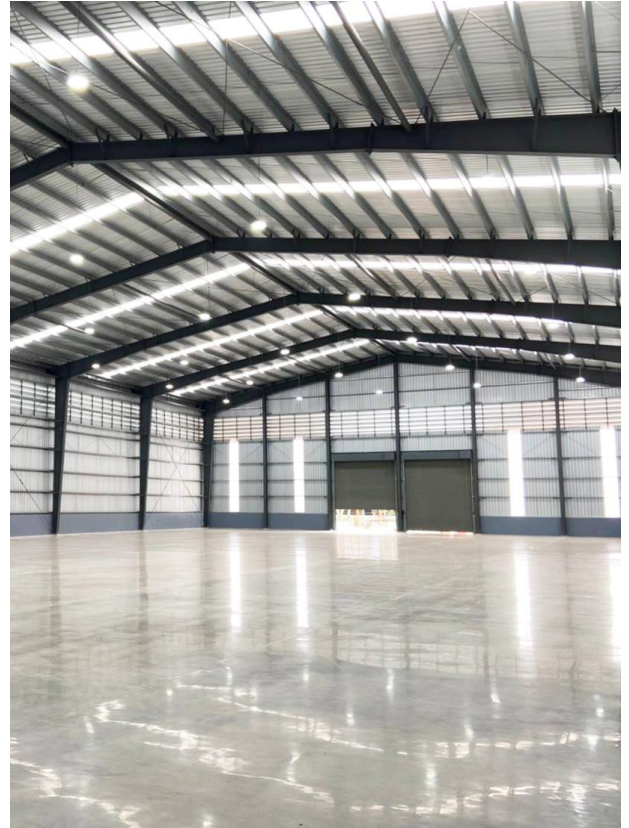
INTRODUCTION



TF Co., Ltd. Thai company was formally established in 2009, which is head office located in Nonthaburi Thailand owning warehouse about 71 rai (113,600 square meters) at Samut Sakhon Thailand manufacturing factory covered 1500 square meters in China. With employees approx. 300 people.



TF Engineer Mainly undertake civil engineering, steel structure plant, steel frame. We specialize in the production of variable cross-section steel, Heavy steel, H-type steel, C-type steel.



TF Engineer can build high-rise structure based industrial workshop and office buildings according to customer requirements.



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.

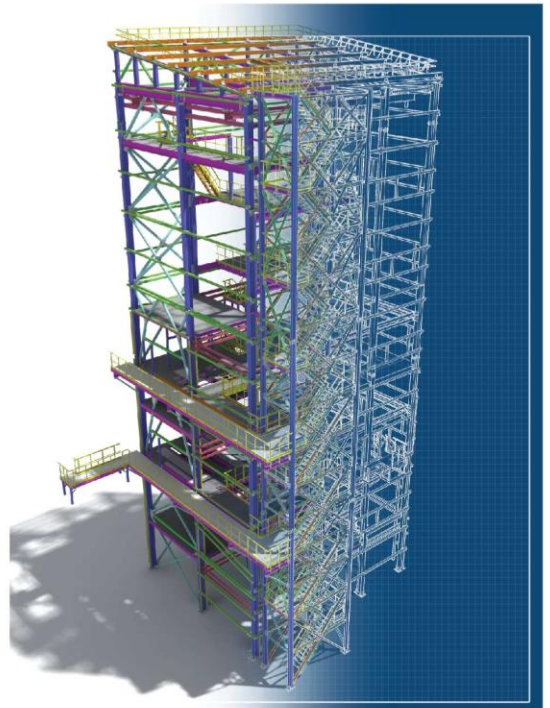


DESIGN SOFTWARE



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

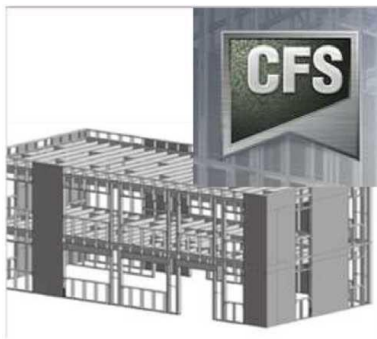
We are always conforming to international standards as UK, US, Australia. The engineers and skilled workers who are trained and have appropriate certificates to perform the jobs. All the designs and deployments are 3D modeled for checking and machining.



TEKLA STRUCTURE



TEKLA21



Cold rolled steel design



STAAD PRO – Structural analysis&design



CSI-ETAB 19 Structure analysis software



AutoCAD LT2022

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



MANUFACTURING FACILITIES



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



MANUFACTURING FACILITIES

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 FACILITIES

COMPLEMENT ASSEMBLY



MANUAL WELD LINE



CLEANING & PAINTING



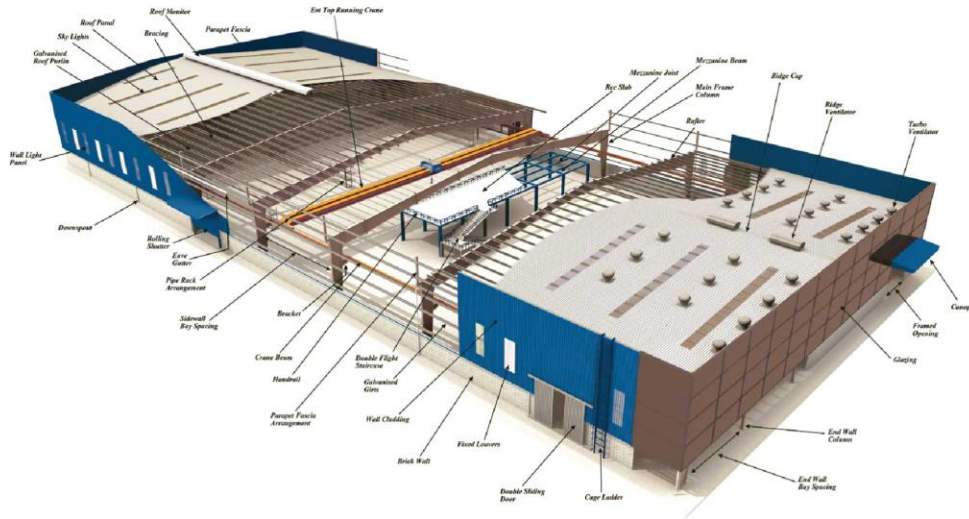
SHOT BLASTING LINE & PAINTING LINE



DESCRIPTION

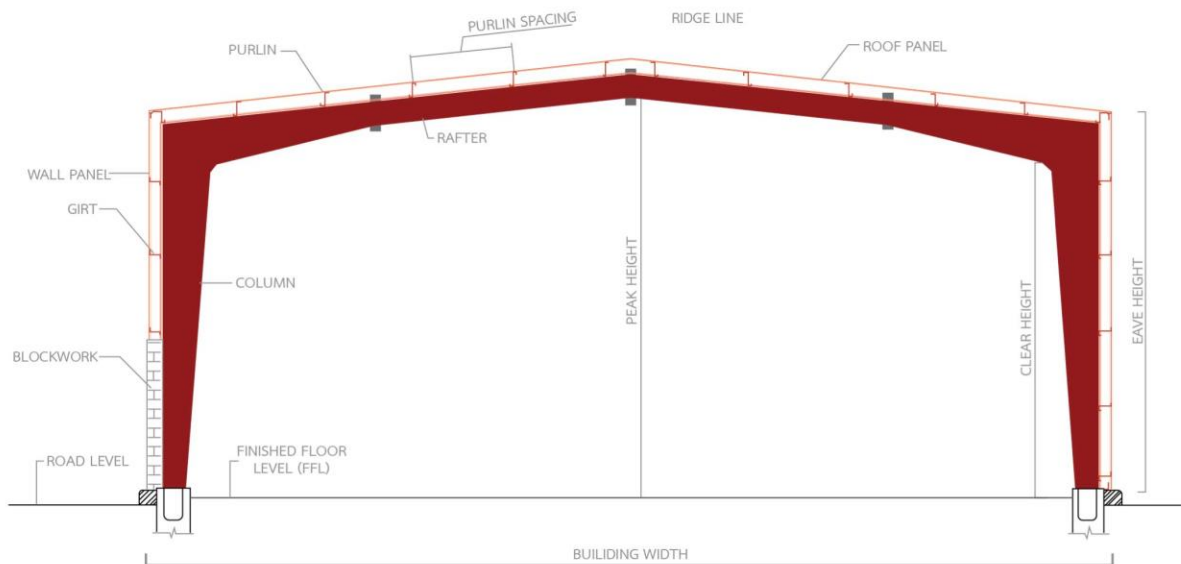
TF SMART BUILT SYSTEM

For those who demand quality at reasonable price



Overall structure of TF steel building system

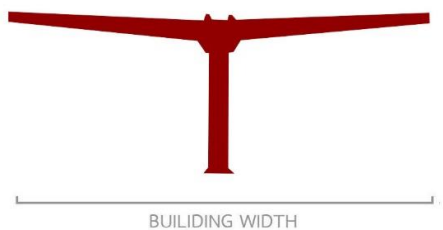
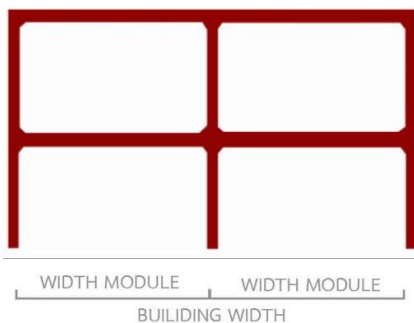
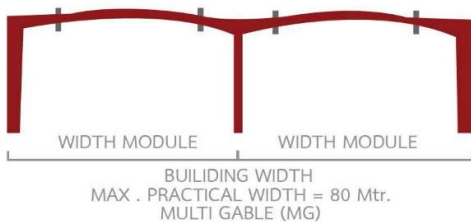
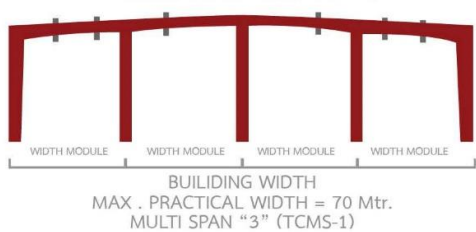
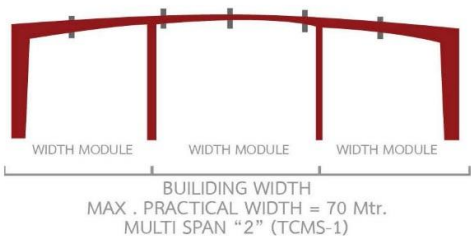
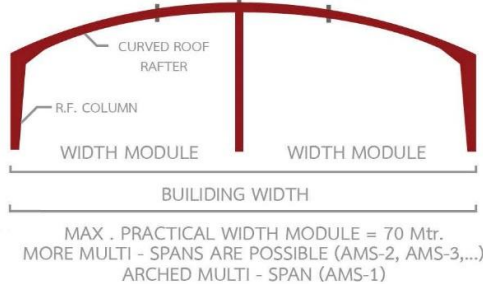
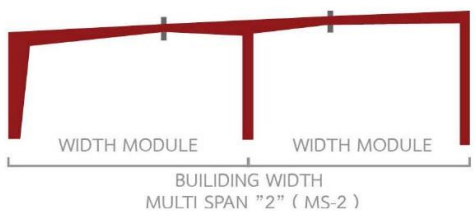
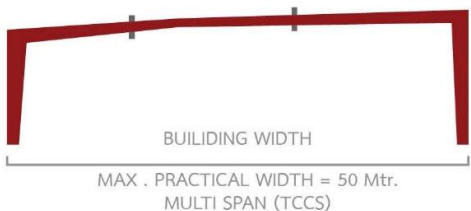
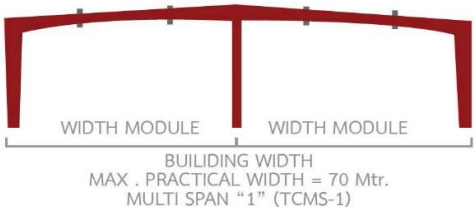
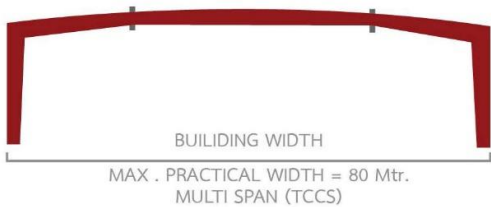
TF SMART BUILT PARAMETERS



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

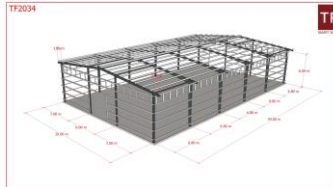
DESCRIPTION

TF SMART BUILT TYPE



PRODUCT MODEL

SERIES 1000

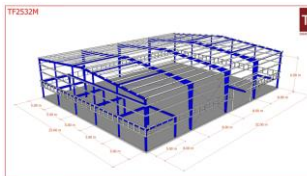
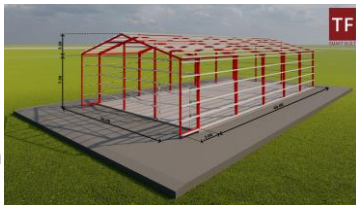


TF2034

Gable type W20xL34xH6.00 m
 Bay spacing ; 5@6.8 m
 F/R column spacing ; 2@7.0 m + 1@6.0 m
 Roof slope ; 5 Degree

TF2043

Gable type W20xL43xH7.5 m
 Bay spacing ; 2@4.0 m + 4@8.0 m
 F/R column spacing ; 1@7.0 m + 2@6.5 m
 Roof slope ; 15 Degree



TF2532M

Gable type W25xL32xH6.0 m
 Bay spacing ; 3@8.00 + 1@5.00 + 1@3.00 m
 F/R column spacing ; 5@5.00 m
 Roof slope ; 5 Degree

TF2737

Gable type W27xL37xH8.00 m
 Bay spacing ; 5@7.4 m
 F/R column spacing ; 4@6.75 m
 Roof slope ; 5 Degree

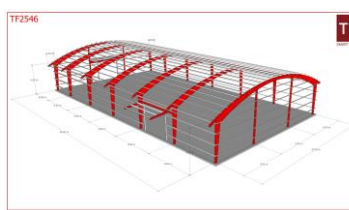
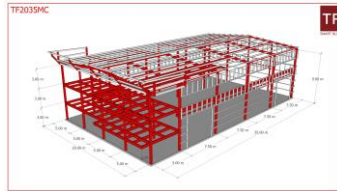


PRODUCT MODEL

SERIES 1500

TF2035MC

Gable type W20xL35xH9.0 m
 Bay spacing ; 1@5.0 m + 4@7.5 m
 F/R column spacing ; 4@5.0 m
 Roof slope ; 15 Degree

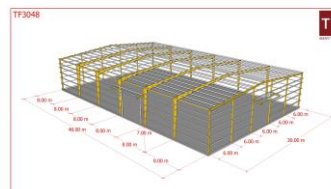
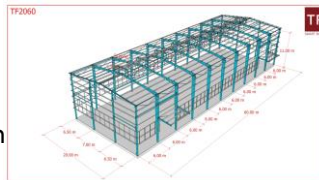


TF2546

Curve type W25xL46xH6.00 m
 Bay spacing ; 5@8.0 m + 1@6.0m
 F/R column spacing ; 2@8.0 m
 + 1@9.0 m

TF2060

Gable type W20xL60xH11.00 m
 Bay spacing ; 10@6.00 m
 F/R column spacing ; 2@6.5 m + 1@7.0 m
 Roof slope ; 5 Degree

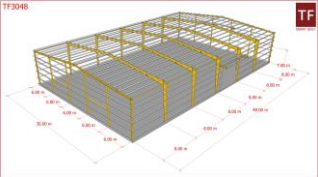


TF3048

Gable type W30xL48xH7.00 m
 Bay spacing ; 6@8.0 m
 F/R column spacing ; 5@6.0 m
 Roof slope ; 5 Degree

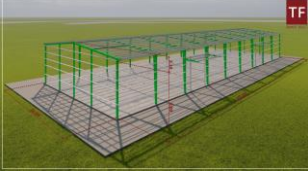
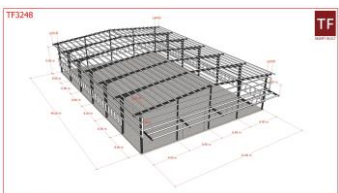
PRODUCT MODEL

SERIES 2000



TF3048M
Gable type W30xL48xH7.0 m
Bay spacing ; 6@8.00 m
F/R column spacing ; 5@6.00 m
Roof slope ; 5 Degree

TF3248
Gable type W32xL48xH8.0 m
Bay spacing ; 6@8.00 m
F/R column spacing ; 4@8.00 m
Roof slope ; 5 Degree



TF2672
Gable type W26xL72xH8.00 m
Bay spacing ; 9@8.0 m
F/R column spacing ; 2@6.0 m + 2@7.0 m
Roof slope ; 5 Degree

PRODUCT MODEL

SERIES 3000

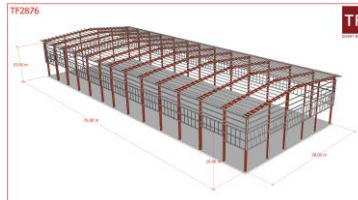
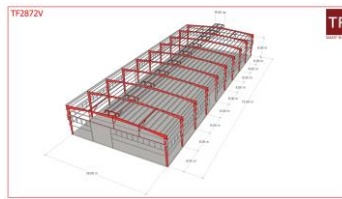


TF3550M

Gable type W35xL50xH8.00 m
Bay spacing ; 5@10.0 m
F/R column spacing ; 7@5.0 m
Roof slope ; 5 Degree

TF2872V

Gable type W28xL72xH8.00 m
Bay spacing ; 9@8.0 m
F/R column spacing ; 1@28.0 m
Roof slope ; 5 Degree



TF2876

Gable type W28xL76xH11.97 m
Bay spacing ; 10@6.00 + 2@5.00 m
F/R column spacing ; 3@6.00 + 2@5.00 m
Roof slope ; 5 Degree

TF3580M

Dimension ; Lean to type W35xL80xH8.00/11.00m
Bay spacing ; 10@8.0 m
F/R column spacing ; 5@7.0 m
Roof slope ; 4.12 Degree



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



THE SARA ESTATE



Customer : The SARA Estate Co.,Ltd

Location : Pluakdaeng ,Rayong

Area : 15,600 sq.m.

Width : 130.00 m.

Length : 120.00 m.

Height : 9.00 m.

APEX CIRCUIT (THAILAND) CO.,LTD.



Customer : Apex Circuit Co.,Ltd.

Location : Samutsakhon

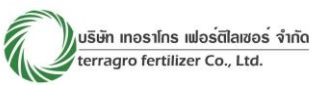
Area : 12,240 sq.m.

Width :70.00 m.

Length :120.00 m.

Height 8.00 m.

FERTILIZER WAREHOUSE



Customer : Terragro Fertilizer Co., Ltd.

Location : Wellgrow Industrial

Area : 10,500 sq.m.

Width :90.00 m.

Length :100.00 m.

Height 9.00 m.

SPORT COMPLEX BUILDING 5 (STORIES)



Customer : Concordian International School

Location : Bangna

Area : 7,872 sq.m.

Width :24.00 m.

Length 82.00 m.

Height 18.30 m.

ARMSTRONG RUBBER FACTORY PLANT



Customer : Armstrong Rubber &
Chemical Products Co.,Ltd

Location : Wellgrow Industrial

Area : 7,700 sq.m.

Width :55.00 m.

Length :140.00 m.

Height :18.50 m.

HAN PHOENIX ENTERPRISE CO.,LTD



Customer : Han Phoenix Enterprise Co.,Ltd

Location : Bang Nam Piao District

Chachoengsao

Area : 6,000 sq.m.

Width :50.00 m.

Length :120.00 m.

Height 9.00 m.

ARUN CHAROENYING



Customer : Arun Charoenying Co.,Ltd

Location : Chachoengsao

Area : 5,465 sq.m.

Width :96.50 m.

Length 60.00 m.

Height 9.00 m.

FACTORY AND WAREHOUSE



Customer : Terabright Lighting Co.,Ltd.

Location : Nonthaburi

Area : 4,928 sq.m.

Width :22.00 m.

Length 224.00 m.

Height 8.00 m.

SC AGRITECH CO.,LT



Customer : SC Agritech Co.,Ltd.

Location : Chon Buri

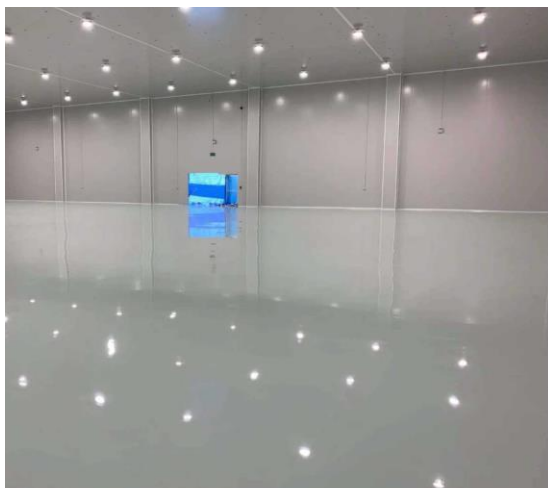
Area : 4,400 sq.m.

Width :40.00 m.

Length :100.00 m.

Height 8.00 m.

SC HEALTHY DRINK



Customer : SC Healthy drink Co.,Ltd

Location : Chon Buri

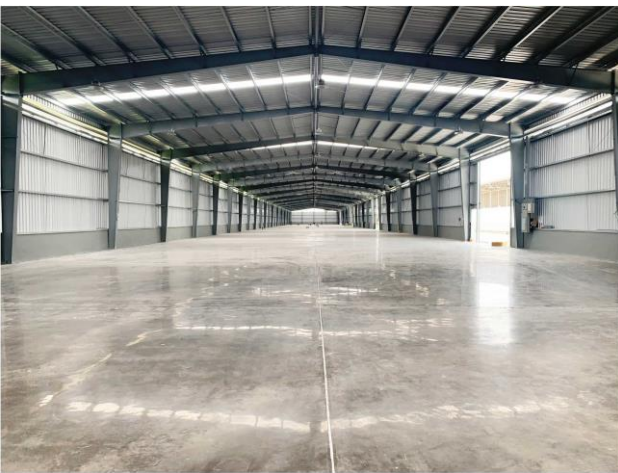
Area : 3,600 sq.m.

Width :40.00 m.

Length 60.00 m.

Height 8.00 m.

ROMKLAO PROGRESS



Customer : Romklao Progress Co.,Ltd

Location : Ladkrabang

Area : 4,000 sq.m.

Width :20.00 m.

Length 200.00m.

Height 6.00 m.

SPORT SCREEN FACTORY (NIKE AND ADIDAS)



Customer : Out of the Blue Box Co.,Ltd.

Location : Samutsakhon

Area : 3,906 sq.m.

Width :42.00 m.

Length 62.00 m.

Height 15.00 m.

WAREHOUSE EXTENSION



Customer : Khao Shong Group Co.,Ltd

Location : Chachoengsao

Area : 3,808 sq.m.

Width :28.00 m.

Length :136.00 m.

Height 8.00 m.

USE STORAGE EQUIPMENT CO.,LTD



Customer : Use Storage Equipment Co.,Ltd

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



Customer : Viriya rungruang recycle Ltd.,part

Location : Samut Prakan

Area : 3,200 sq.m.

Width :30.00 m.

Length 48.00 m.

Height 9.00 m.

THAI SOLUTRADE CO.,LTD



Customer : Thai Solutrade Co.,Ltd.

Location : Pathum Thani

Area : 2,490 sq.m.

Width :30.00 m.

Length 78.00 m.

Height 8.00 m.

DINOMART



Customer : DINOMART

Location : Samut Sakhon

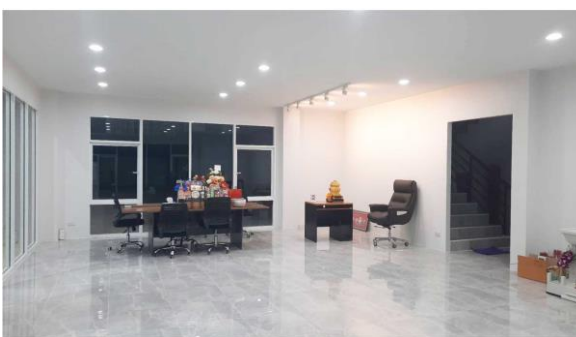
Area : 2,304 sq.m.

Width :32.00 m.

Length 72.00 m.

Height 8.00 m.

STUDIO 365 CO.,LTD



Customer : Studio 365 Co.,Ltd

Location : Samut Prakan

Area : 2,088 sq.m.

Width :35.00 m.

Length 50.00 m.

Height 8.00 m.

TANK BLOW FACTORY_PHASE-A



Customer : Doctor Blow Molding

Location : Rayong

Area : 1,968 sq.m.

Width : 30.00 m.

Length : 64.00 m.

Height : 8.00 m.

TANK BLOW FACTORY_PHASE-B



Customer : Doctor Blow Molding

Location : Rayong

Area : 1,638 sq.m.

Width :26.00 m.

Length 63.00 m.

Height 8.00 m.

MAXIMUM MACHINE CO.,LTD



Customer : Maximum Machine Co.,Ltd

Location : Ayutthaya

Area : 1,504 sq.m.

Width :26.00 m.

Length 56.00 m.

Height 8.00 m.

MAXIMUM MACHINE CO.,LTD EXTENSION



Customer : Maximum Machine Co.,Ltd Extension

Location : Ayutthaya

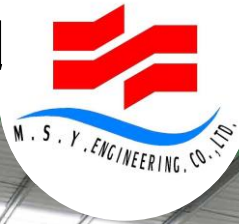
Area : 1,120 sq.m.

Width :20.00 m.

Length 56.00 m.

Height 8.00 m.

M.S.Y.ENGINEERING CO.,I



Customer : M.S.Y.Engineering Co.,Ltd

Location : Pathum Thani

Area : 1,466.15 sq.m.

Width :29.50 m.

Length 49.70 m.

Height 8.00 m.

FOOD FILM FACTORY

BlancTec®



Customer : Blanctec Co.,Ltd.

Location : Prachin Buri

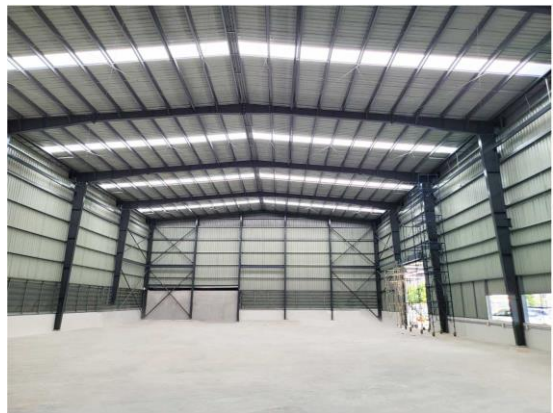
Area : 1,344 sq.m.

Width : 24.00 m.

Length : 56.00 m.

Height : 6.00 m.

LONG CHUMSAENG GROUP



Customer : Long Chumsaeng Group

Location : Pathum Thani

Area : 1,200 sq.m.

Width :25.00 m.

Length 48.00 m.

Height 10.00 m.

STAR SUN FOOD



Customer : Star sun food

Location : Phetburi

Area : 1,000 sq.m.

Width :27.00 m.

Length 47.00 m.

Height 8.00 m.

VELIFE INNOVATION CO., LTD.



Customer : Velife innovation Co.,Ltd.

Location : Samut Prakan

Area : 893 sq.m.

Width :27.00 m.

Length 28.50 m.

Height 6.50 m.

WASTE STORAGE



Customer : Khao Shong Group Co.,Ltd

Location : Chachoengsao

Area : 114 sq.m.

Width :6.00 m.

Length :19.00 m.

Height 4.00 m.

THEPPRATANPORN
INTERNATIONAL CO.,LTD.



Customer : Theppratanporn
International co.,ltd.
Location : Bangkok
Area : 300 sq.m.

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

ROOFTOP PROJECT



Customer : MPK Progress Co.,Ltd

Location : RongMuang Rd.,

Area : 403 sq.m.

Width :31.00 m.

Length 13.00 m.

Height 7.40 m.

SIAM WAREHOUSE



Customer : Siam warehouse

Location : Rayong

Area : 7,000 sq.m.

Width :50.00 m.

Length :140.00 m.

Height 8.00 m.

CHINA LTD



Customer : China LTD

Location : Samutsakorn

Area : 2,400 sq.m.

RENTOR WAREHOUSE



Customer : Rentor Warehouse

Location : Bangbon

Area : 1,000 sq.m.

SIAM WAREHOUSE



Customer : Siam Warehouse

Location : Nakok

Area : 1,000 sq.m.

MONGKOL DESIGN & CONSTRUCTION CO.,LTD.



Customer : Mongkol Design & Construction co.,ltd.

Location : Samut Prakan

Area : 760 sq.m.

Width :20.00 m.

Length 38.00 m.

Height 6.00 m.

SMART PRODUCT
BUILD THE PASSION



SMART BUILT

PRE ENGINEERED STEEL BUILDING

DESIGN - MANUFACTURING
ERECTION - CONSTRUCTION - TURNKEY



md_tfgroup



Tfcons



Tf-cons.com



061-783-2233,
094-464-6336

TF CO., LTD.

THE I.D. 8 CO., LTD.

788 หมู่ 2 ตำบลบางขุน

อำเภอบางกรวย

จังหวัดนนทบุรี 11130