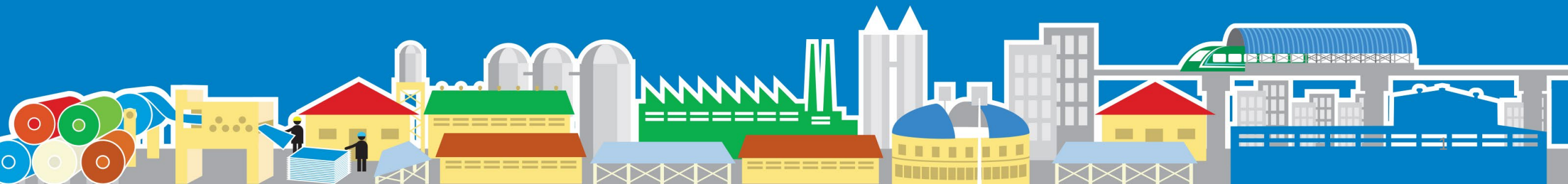


TATA BlueScope Steel Pvt. Ltd.

EZYBUILD SOLUTIONS



Combining the Strengths of Two Great Companies



Nov 2005: 50 / 50 Joint Venture between Tata Steel & BlueScope Steel Australia

Key Highlights about TATA STEEL and BLUESCOPE

- Established over 100 years ago
- Built excellent global reputations
- Strong focus on Safety, Manufacturing Excellence, Quality, Innovation, Research & Development

TATA STEEL

- Operations in 26 countries
- Commercial presence in over 50 countries
- Supplier of high quality Cold Rolled Feed Coil
- Innovation with Research & development

BLUESCOPE

- Global Network < 100 facilities in 17 countries
- Technology Leader in Metal Coated and Pre-Painted Steels, Roll-Forming and Pre-Engineered Buildings
- World's largest producer of Zn-Al coated steel (>2Mtpa) .
- 14 Metal Coating lines & 11 Paint Lines in 8 Countries

Tata BlueScope Steel Presence



Area of Operation:
SAARC Region



FY'20
Revenue: Rs.
2500 Cr +



Work Force:
~550 NOs.



Bhiwadi Plant



Jamshedpur plant

- 7 Countries
- ★ Registered Office
- 12 Sales Offices
- Metal Coating Line & Paint Line
- 5 Building Products Manufacturing Units

Tata BlueScope Building Products – Roll forming factory

Presence : 5 Locations close to market

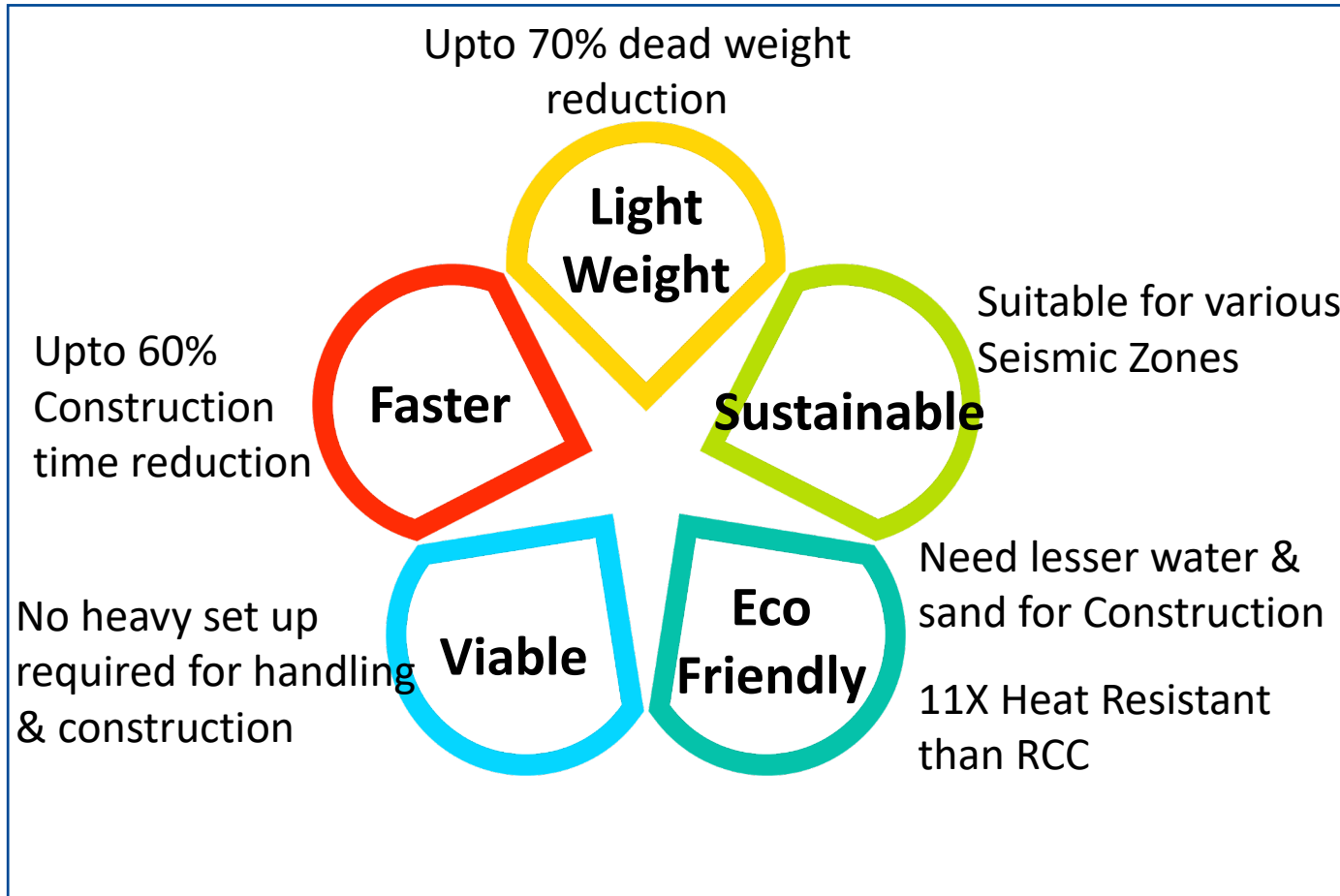
- Bhiwadi Rajasthan
- Pune
- Chennai
- Jamshedpur
- Sri-lanka





Light Gauge Steel Frames offer overview

Light-gauge steel frames are made from high tensile zinc and aluminum alloy coated steel



Product



Ezybuild® Current Product Offerings



Product

TRUSS and WALL Solutions made of ZINCALUME® sections

Resorts, Schools, Office space, Quarters & Hostels Buildings, Play schools, Residential buildings



Only TRUSS Solutions made of ZINCALUME® sections

Resorts, Residential buildings, Institutes, Hatcheries.



PEB Structure made of Cold formed Galvanized Steel

Small Scale Industries, Ware houses, Community halls, Play stations, Canteen and office buildings

Value Proposition – Smart Technology

Smart Technology

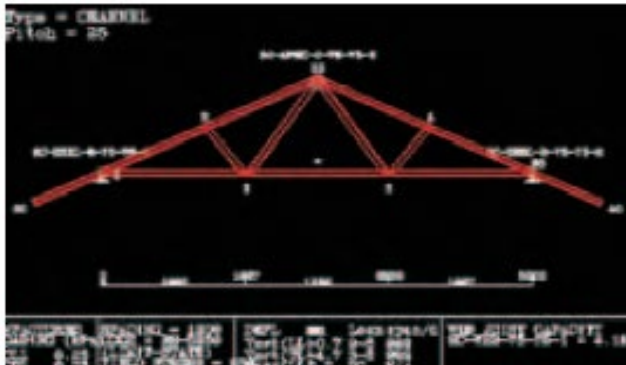
Smart Engineering

Smart Construction

Smart Protection

Smart Roofing

Precision Engineering with advanced tools



In house Design team with high precision softwares such as Supracadd/ Smartlink/ StaadPro

Factory made high quality material



Strategic locations of manufacturing plants Chennai, Bhiwadi, Pune

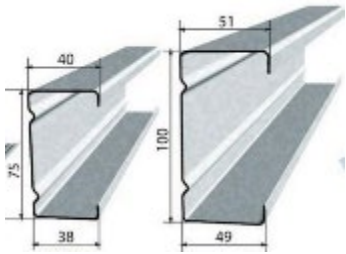
Clean and quick site assembly



**Easy to read construction drawings with extended support during erection
Quick assembly using minimal tools and cranes**



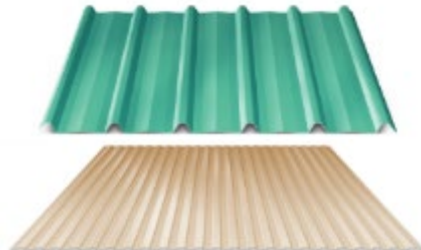
Wall frame & Trusses



Purlins



Roof & Wall profile



- Complete building solution for single floor
- UDL Wall frame concept with studs@600mm distance
- Wall & Truss members are Cold formed from Zinalume steel members (550 MPa & 150 gsm)
- Trusstite screws for assembly
- Standard Lysaght® profile sheets used for roofing & cladding (Trimdek® / Panelrib®)

Building Frame



Completed Building





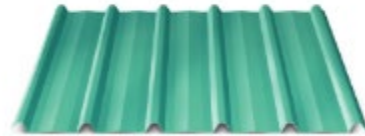
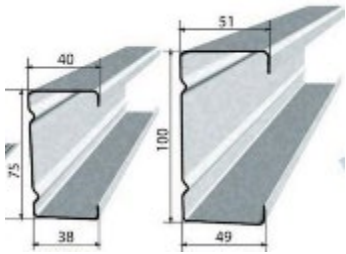
Trusses



Trusses

Purlins

Roof & Wall profile



- Roof truss solution with sheets or alternate material
- Truss members are Cold formed from Zinalume steel members (550 MPa & 150 gsm)
- Trusstite screws for assembly
- Standard Lysaght® profile sheets used for roofing & cladding (Trimdek®)

Completed Roof Solution



Pebblite®

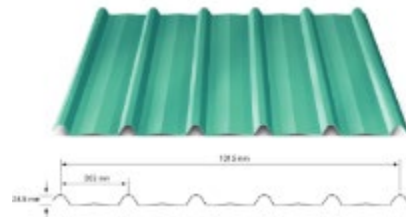
Columns & Rafters



Purlins



Roof & Wall profile



- Complete building solution for single floor
- Portal frame concept (single member for column & rafter respectively)
- Columns, Rafters & Purlins are Cold formed High Strength galvanized steel members (345/ 450 MPa & 120/ 275 gsm)
- High strength Nut-bolted assembly
- Lysaght® profile sheets used for roofing & cladding (Trimdek® / Flexiclad®)

Building Frame



Completed Building

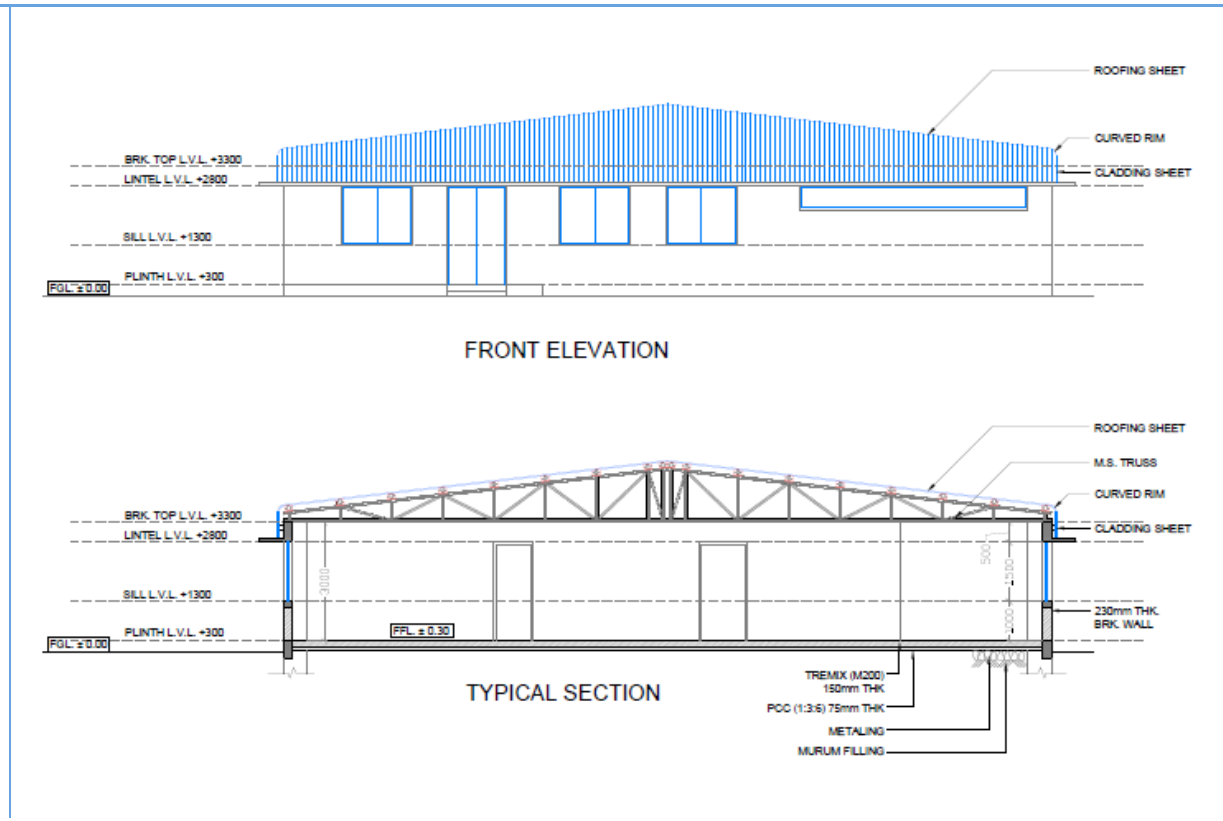
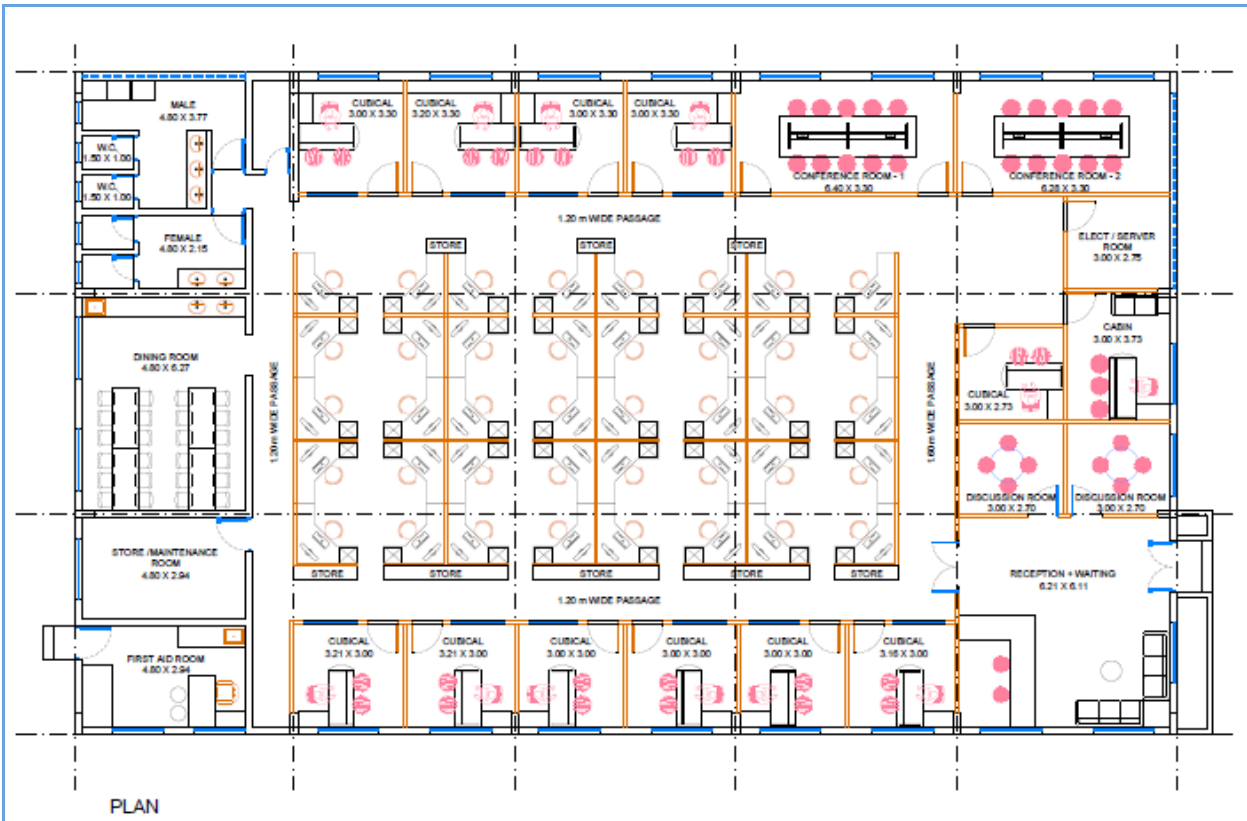


EZYBUILD[®]

LIGHT PEB SOLUTIONS

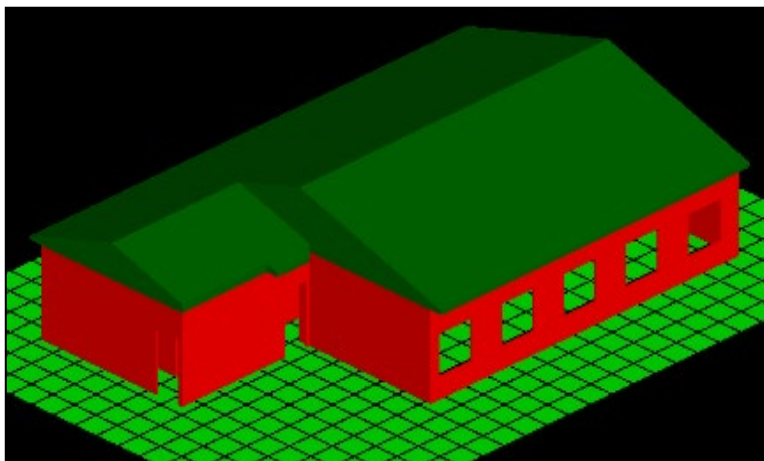
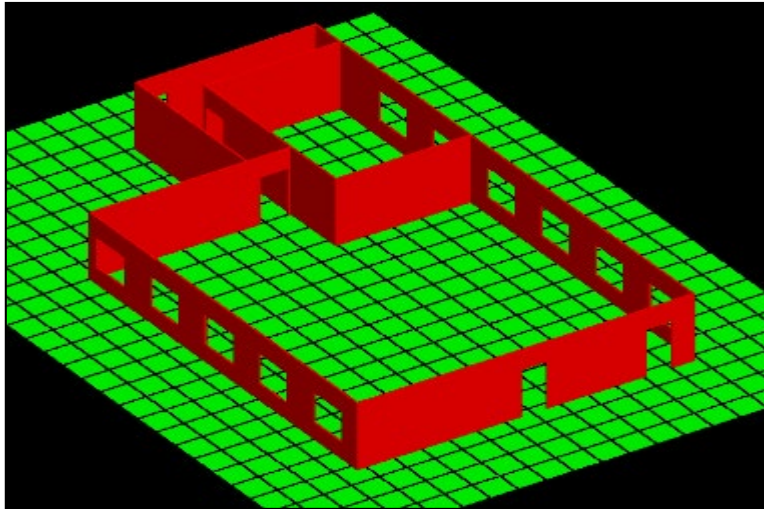
OPERATING PROCEDURE

Step 1 – Concept/ Arch layout & elevations

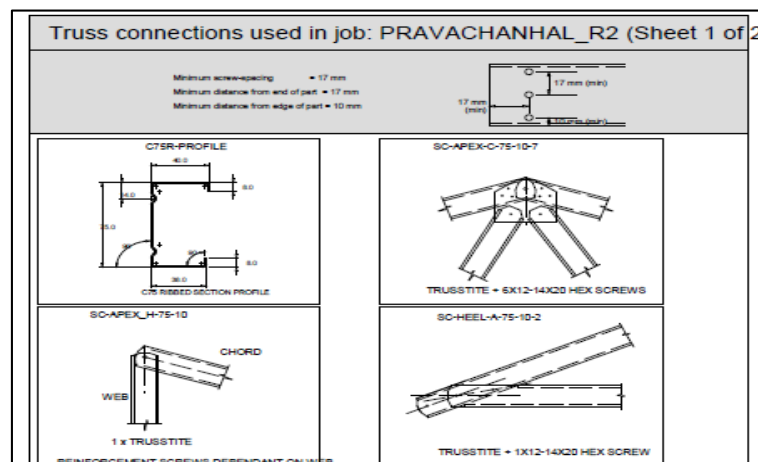
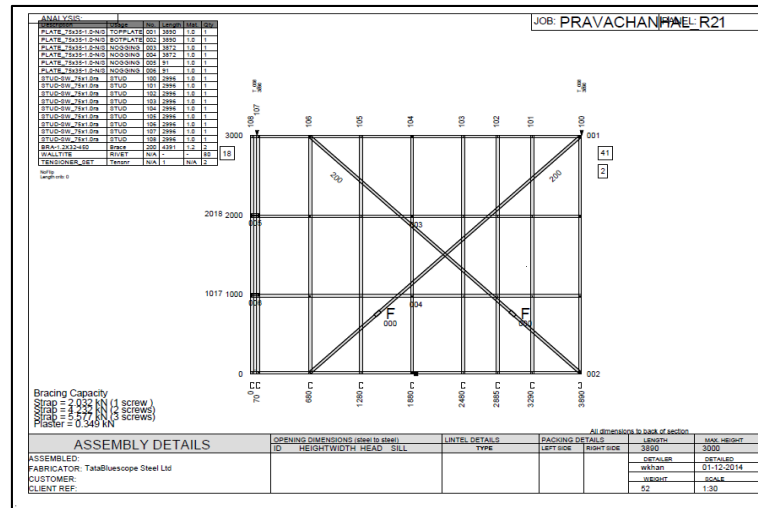


Step 2 – Ezybuild Team Designs and provides Construction Drawings

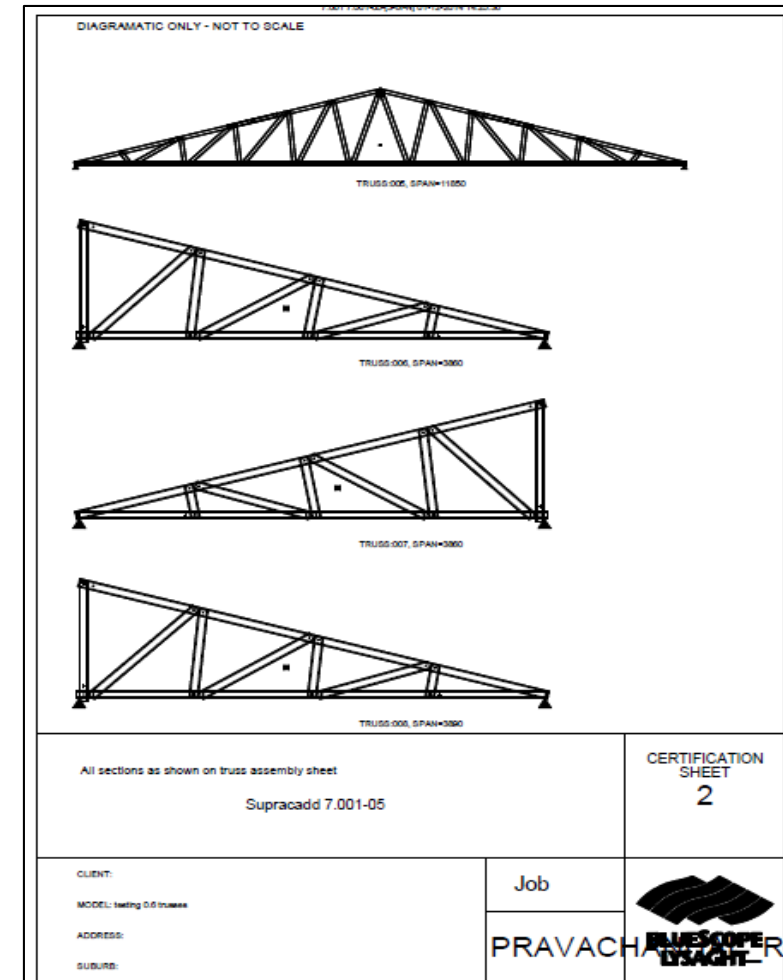
Software Design



Design & Detailing sketches



Construction Drawings



Step 3 – Site Preparation



- RCC Plinth Beam designed and completed for periphery and partition walls
- Lighter foundation helps with minimum and quicker rcc works at site

High quality packaging ensures factory quality delivered at site



Operating Procedure – Installation Team & Material Sorting



Operating Procedure – Structure Skeleton Ready



Operating Procedure – Roof Insulation & Roof Sheeting in progress



Operating Procedure – Internal false ceiling & EPC in progress





EZYBUILD® solution : *More than 2000nos.of buildings completed across India...*



Pulpit Office



Cold Storage



Roof Top Extensions



Internal finishing achieved in completed project

Outhouse, Haryana



Maple Resort, Agra



Farmhouse, Chandigarh



BSS School, Kolkata



Godrej Properties, Gurgaon



LIVING ROOM | 3 BHK OPTIMUM APARTMENT.



Application

Aesthetically superior, roof top expansion for 6 Hostel buildings covering area of 10,140 sq. mts.

Customer Requirement

IIT Madras is one of India's pioneer institution in the field of technical education. Being a residential institute with over 12,000 plus inhabitants, the management wanted to further expand boy's hostel for its increasing number of occupants. They wanted to expand vertically with a roof extension on top of a 55 year old RCC building, preferably with Light Gauge Framing System (LGFS).

Being an expert in civil engineering, the institution expected an expert solution for their requirement.

EZYBUILD® Solution

SMARTBUILD® is the most advanced, light gauge framing system that offers superior features such as strength, design flexibility and a speedy construction process. The high strength frames and trusses promise long term durability and is an ideal solution for roof top extensions on RCC structures. Flexible enough to extend over existing structures; it offers precision engineering as compared to any other solution. IIT Madras, being an academic institute par excellence; wanted to execute this extension devoid of disturbance to the existing set-up.

Ezybuild® Roof Top & Parking Sheds.

Prototype Developed at Chennai Plant



Conventional Method of Construction



Locally fabricated steel building using Angle and channels, pipe, tubes etc.

EZYBUILD®

Light Structural member
made from ZINCALUME® Steel



Zn-Al alloy C, Box & Hat
Sections for Roof Terrace,
Portico, Car Sheds, etc.



Thank You