



Flomack

Steel Frame Building Projects

Green Agriculture Building Technology

agri



Multi Functional Structures

In Collaboration with Steel Frame Warehouse (Pty)ltd

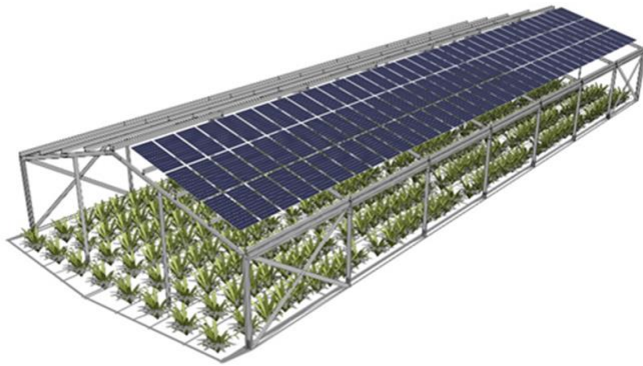


Agri voltaic | Symbiotic Farming + Power Generation

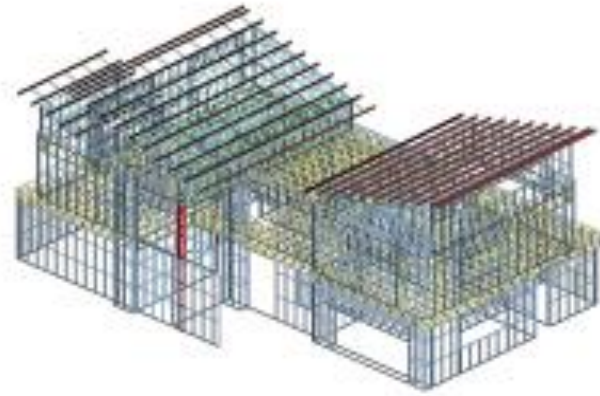


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Computer Aided Design
Computer Aided Roll Forming
Pre Engineered Buildings
Computer Aided Manufacturing Process
Flat Pack Kits
Pre Assembled Modular Products



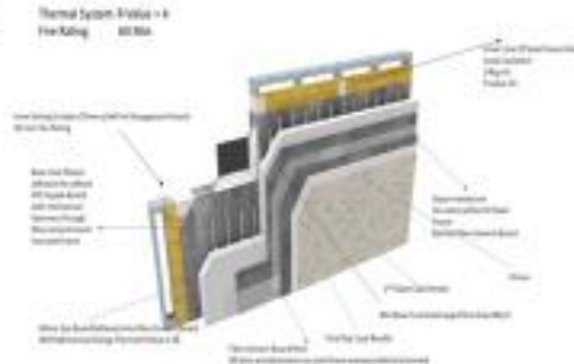
Steel Frame Warehouse
 Lightweight Steel Frame Building Solutions



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 Steel Frame Building Projects
 Green Agriculture Building Technology

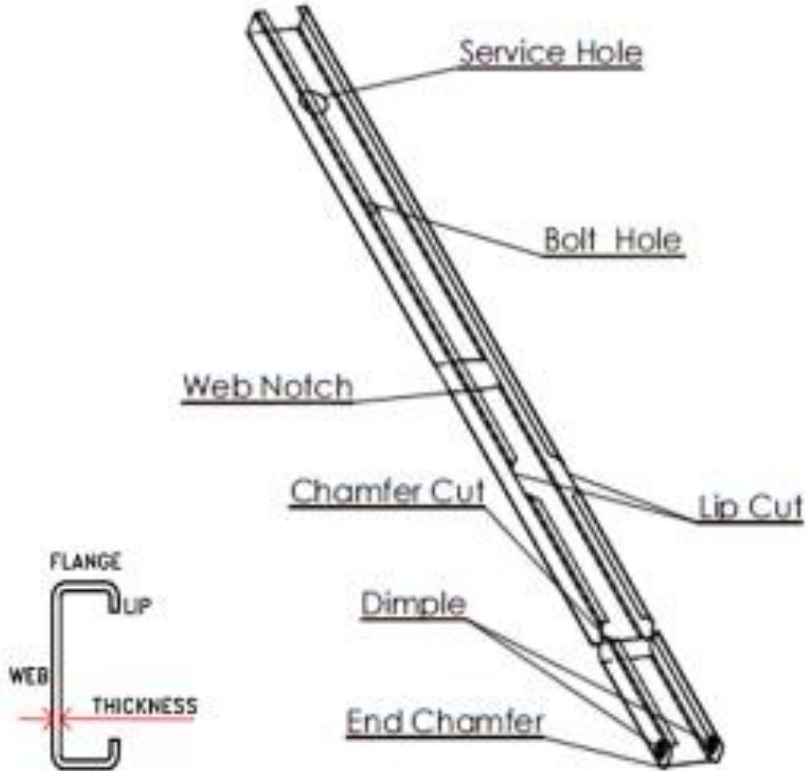
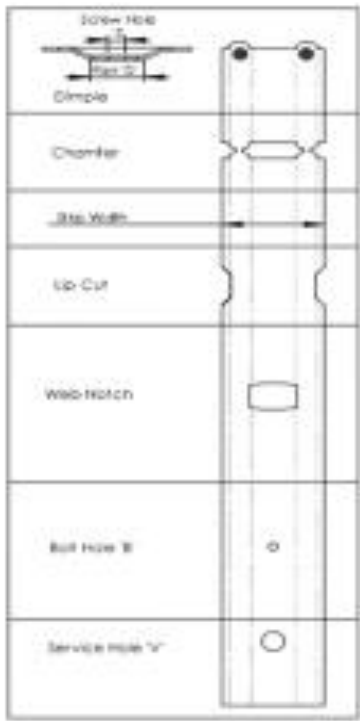


Design
Detail
Specification SANS 517 Code
Manufacture
Pre Assemble
Warehouse
Supply
Kit Distribution
Building Construction



Lightweight Steel Frame Roll Forming Services 89mm Web | 150mm Web

Gauge Thickness 0.80mm | 1.00mm | 1.2mm Gauge Galvanised Steel G550 Z200 | Z275
Frame Pre Assembly Services



Computer Aided Roll Forming Equipment
On Site Rolling and Off Site Roll Forming
Roof Truss
Purlins
Roof Sheeting

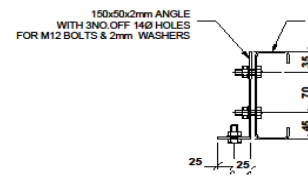
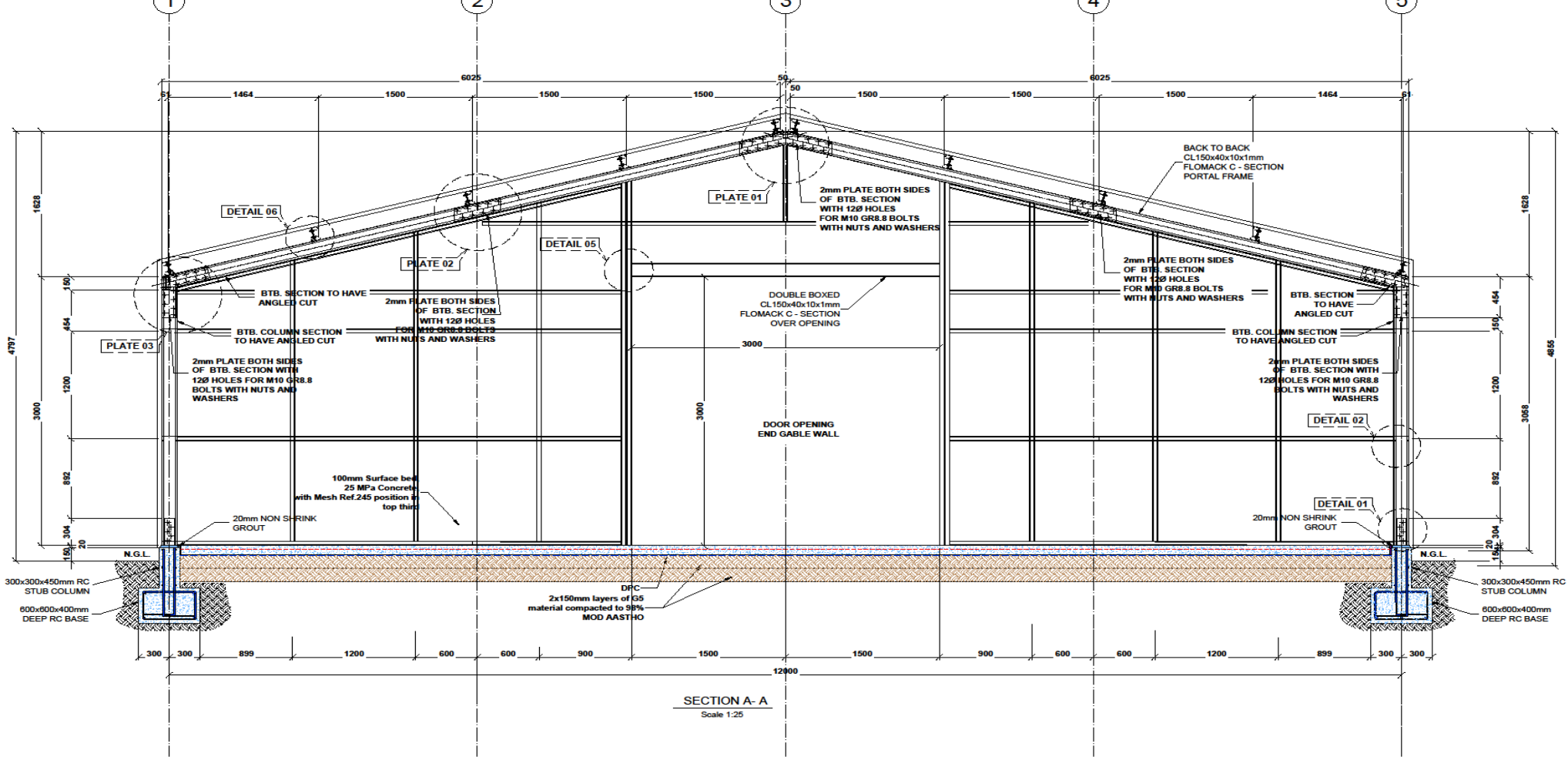


- WHERE NEW WORK DAMAGES OR RESULTS IN DAMAGE TO EXISTING WORK, ALL BUILDING WORK TO BE EXECUTED IN STRICT ACCORDANCE TO ALL ARCHITECTS DIMENSIONS. ALL WORKS TO CONFORM TO SANS 10400 NO RESPONSIBILITIES WILL BE MADE WITHOUT PRIOR CONSENT.

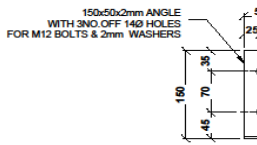
Design Codes Used:
SANS 10160-2:2011, SANS 517:2013

LSF Properties: Gr550

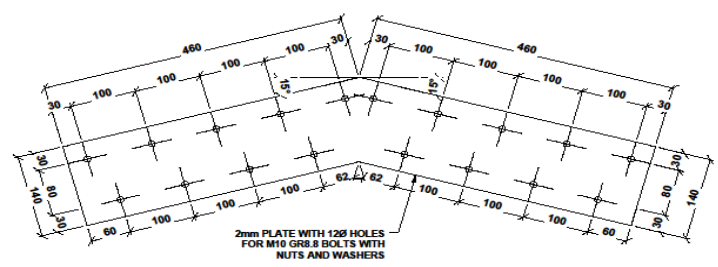
- LOADING SPEC**
DESIGN IMPOS
LL TO FLOORS
LL TO WALKWAY
LL TO BALCONY
LL STAIRS
WIND TO ROOF
WATER TO ROOF
LL factor = 1.6
D.L. factor = 1.2
W.L. factor = 1.6



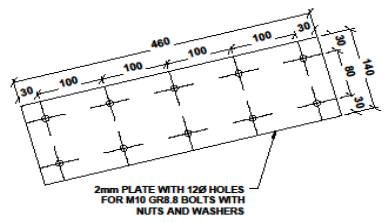
DETAIL - 06 (SECTION)
Scale 1:5



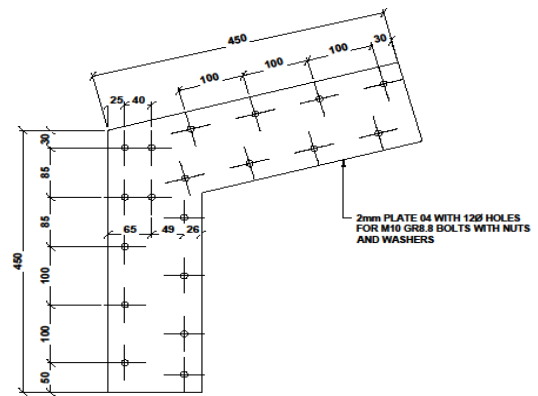
DETAIL - 06
Scale



DETAIL - PLATE 01
Scale 1:5



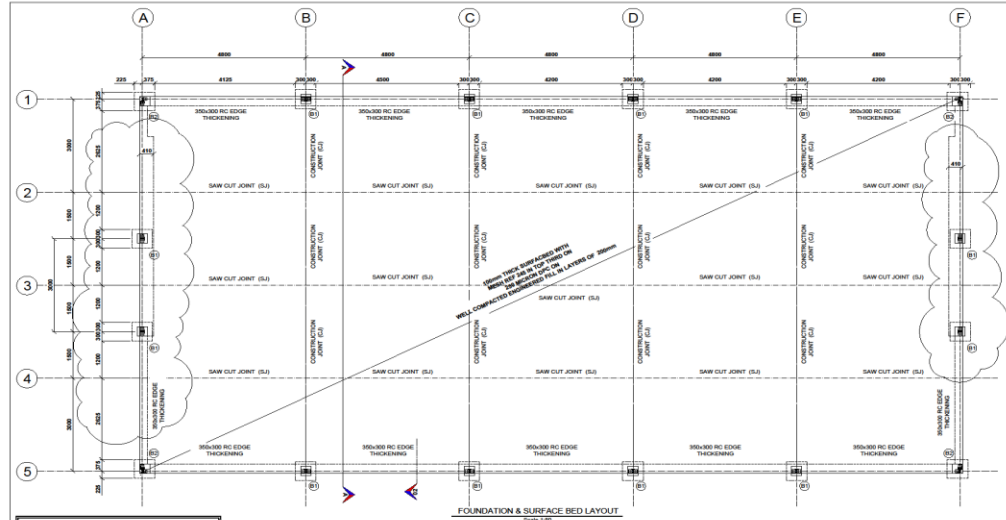
DETAIL - PLATE 02
Scale 1:5



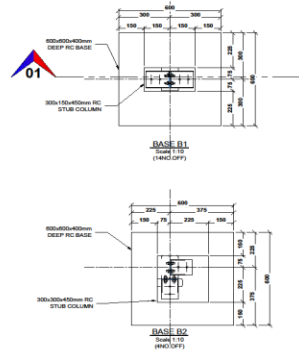
A1

STRUCTURAL ENGINEER

Rev No.		
A		
B		
PROJECT: F		
DRAWING: 12m x		
Designed: F.L. STEIN & SONS		
S.A. PROF. REGISTRATION NO. 1000		



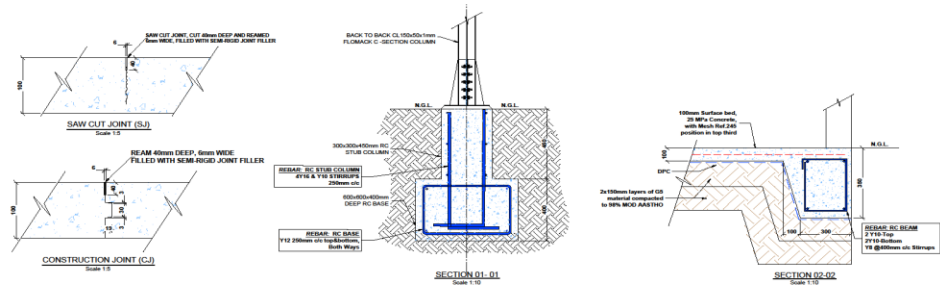
GENERAL NOTES
 NO BUILDING WORK TO PROCEED ADJACENT TO SITE OR NEARBY
 ALL WORKING TO BE CHECKED ON SITE BY SURVEYOR BEFORE ANY BUILDING WORK COMMENCES
 WHERE NEW WORK CHANGES OR RESULTS IN DAMAGE TO EXISTING WORK, THE BUILDERS TO MAKE GOOD
 ALL BUILDING WORK TO BE CHECKED IN ACCORDANCE TO ALL APPLICABLE SPECIFICATIONS AND
 SUBJECT TO CONFORMANCE
 ALL WORKING TO CONFORM TO SANS 10162-2-2011. NO RESPONSIBILITIES WILL BE ACCEPTED SHOULD CHANGES
 BE MADE WITHOUT PRIOR CONSENT.



ALL FOUNDATION SUBJECT TO GEOTECHNICAL REPORT

Design Codes Used:
 SANS 10162-2-2011, SANS 10162:2011
 SANS 517:2013
 LSE Properties C450 Steel Section: 60x40x8mm, 150x50x10x11mm

LOADING SPECIFICATIONS	
DESIGN IMPOSED LOADS (kN/m ²)	IMPOSED
LL TO FLOORS	1.5
LL TO WALKWAYS	2.5
LL TO BALCONIES	3.5
LL STAIRS	3.0
WIND TO ROOF	0.5
WATER TO ROOF	1.5
LL factor = 1.6	
CLL factor = 1.3	
WL factor = 1.6	

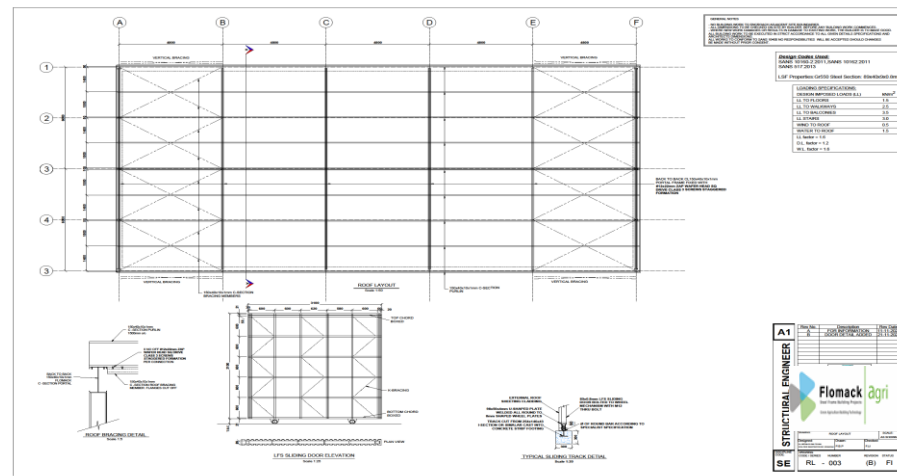
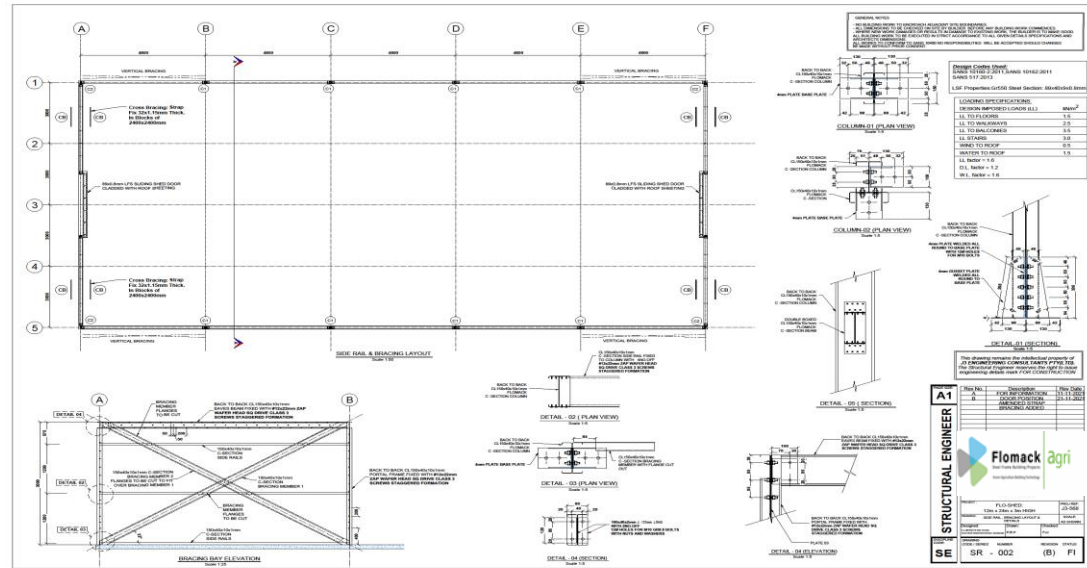


THIS DRAWING INCORPORATES THE ARCHITECTURAL ELEMENTS OF J.S. ENGINEERING CONSULTANTS PTY LTD. THE STRUCTURAL ENGINEER ENDORSES THE ARCHITECTURAL ENGINEERING DETAILS MARK FOR CONSTRUCTION.

A1
STRUCTURAL ENGINEER
SE

FLOMAC
 FLO-SHEED
 12m x 24m x 3m HIGH
 FOUNDATION LAYOUT & DETAILS

FL - 001 (B) FI



A1
STRUCTURAL ENGINEER
SE

FLOMAC
 FLO-SHEED
 12m x 24m x 3m HIGH
 FOUNDATION LAYOUT & DETAILS

FL - 003 (B) FI

Multi Functional Building System

Build In Modular Kit Form | Pre Cut | Punched | Part Numbered Building System

Ease Of Assembly

No Cranes | Galvanised Structure

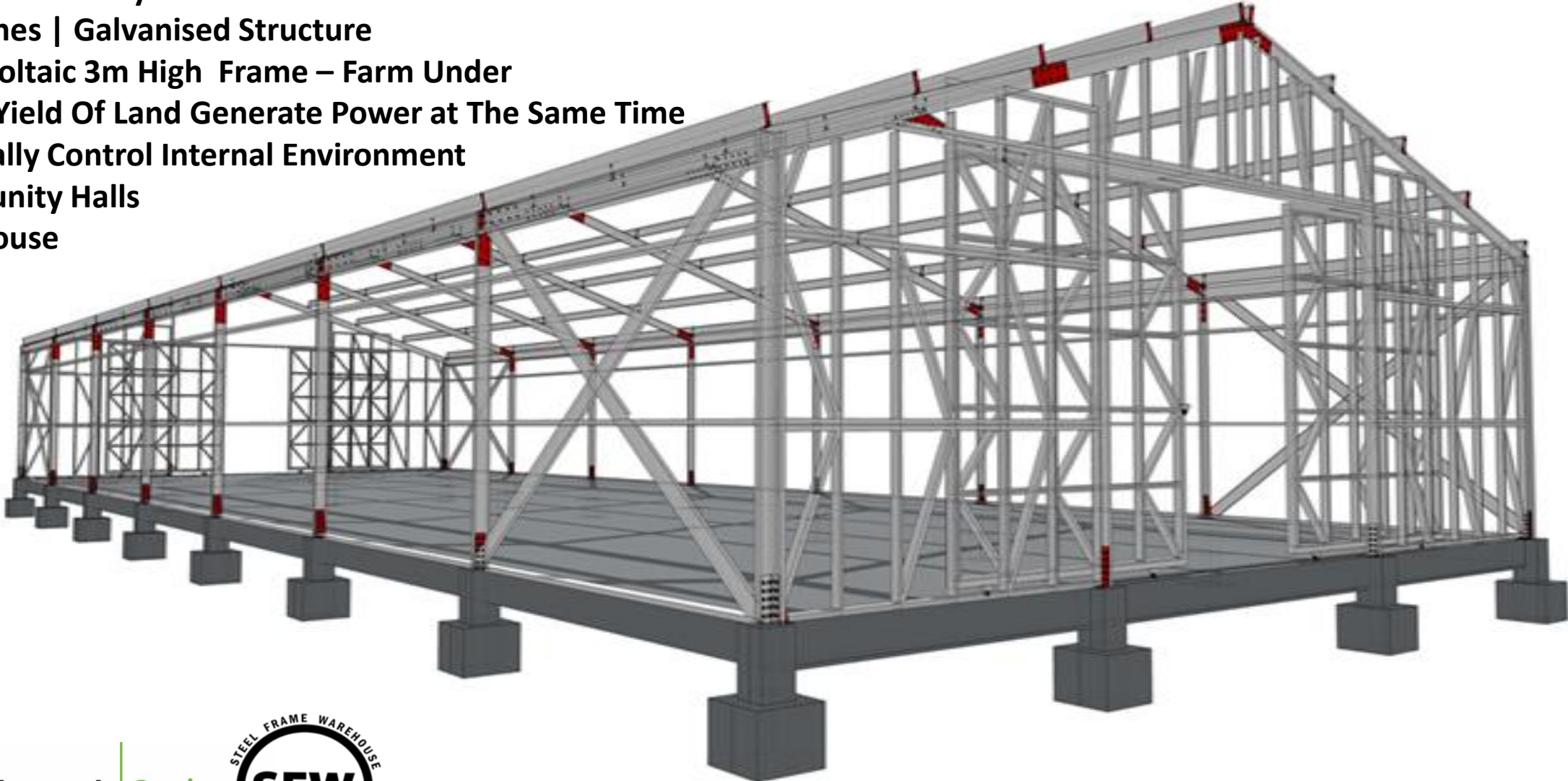
Photovoltaic 3m High Frame – Farm Under

Better Yield Of Land Generate Power at The Same Time

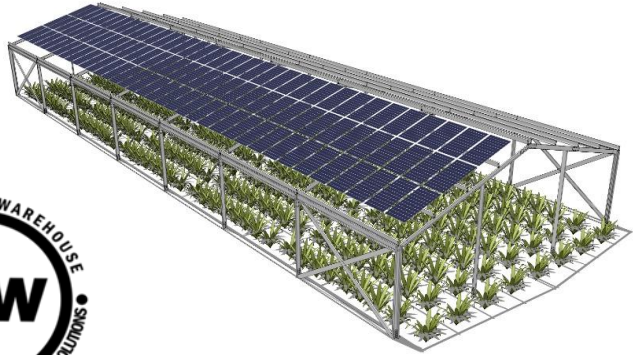
Thermally Control Internal Environment

Community Halls

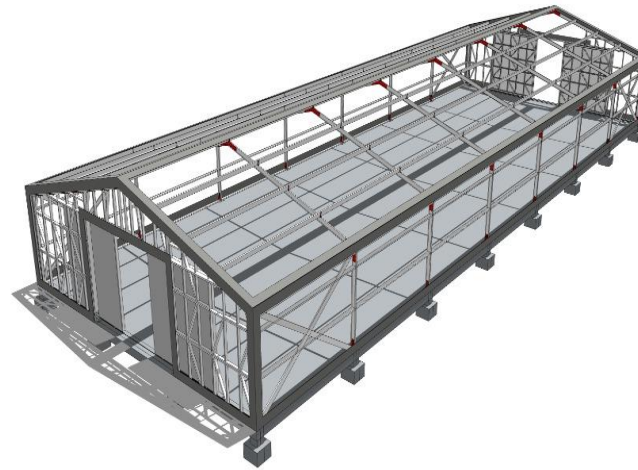
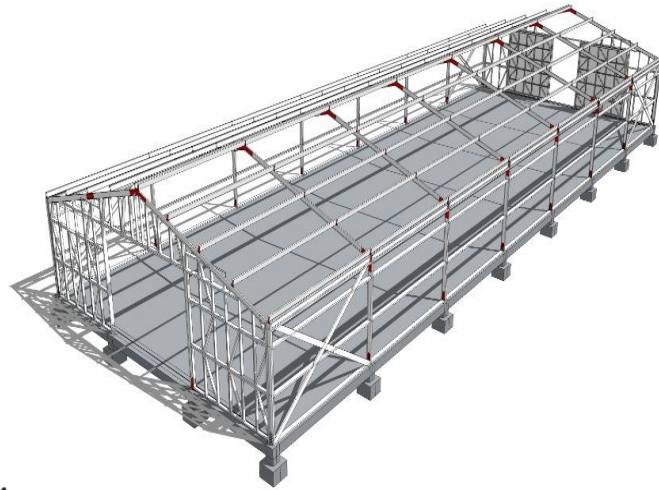
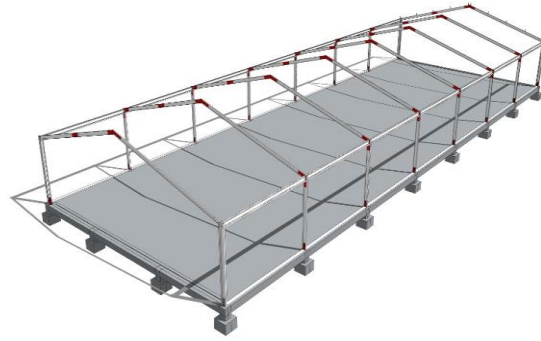
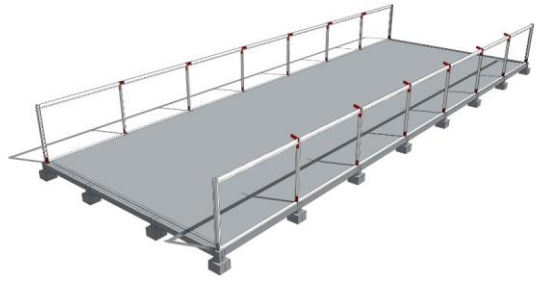
Warehouse



Agri voltaic | Symbiotic Farming + Power Generation

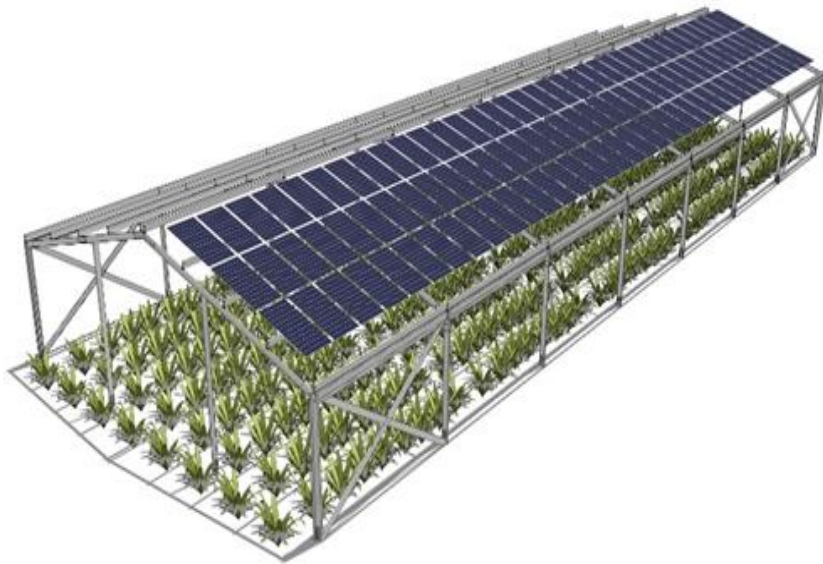


Modular Multi Functional Buildings



Modular Multi Structure In Flat Pack Kit For Self Assembly | Or Construction By Approved Contractor

The Choice Of Structure can vary Depending On Your Needs
Interchangeable

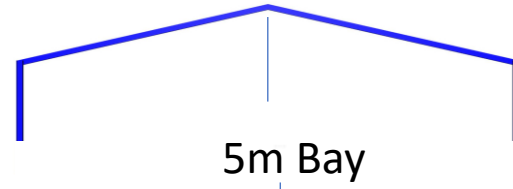


Agri voltaic Building Solutions | Synergy

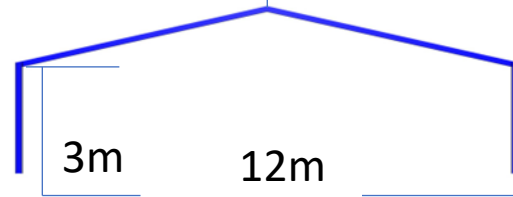


Modular Components
Build A Structure As Required
Options

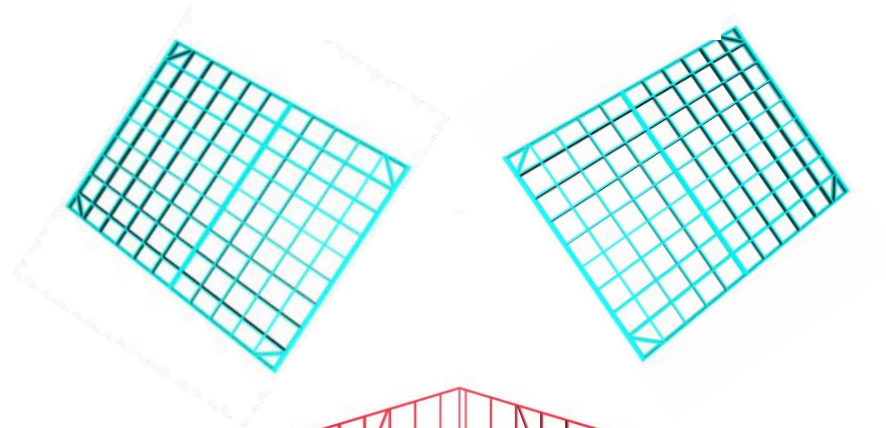
Portal Frame



Portal Frame



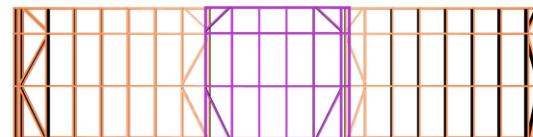
Solar Grid System
Portrait or Landscape



Steel Frame Gable End



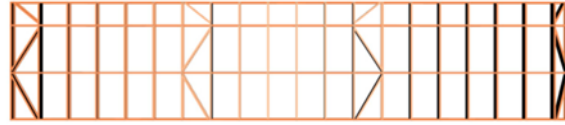
Steel Frame Gable End



Rates are Nett Exclude Vat and Transport

Modular Components
Build Your Structure As Required
Options

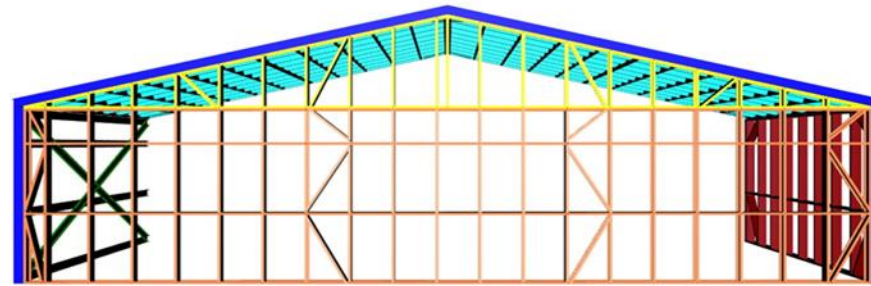
Side Walls



Sliding Door and Track
Gable End Option



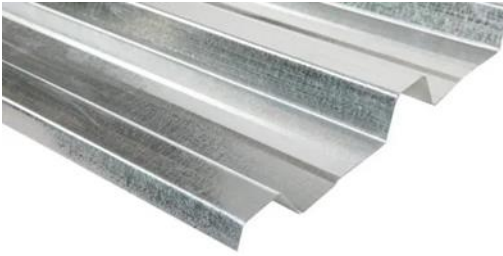
Sample



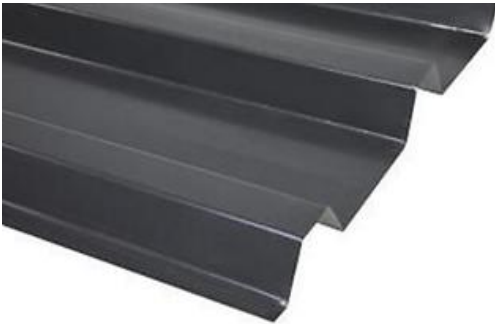
Roof Sheeting and Wall Cladding + Allied Trims Choices



Corrugated Sheeting 686mm 0.47mm Plain Galvanisation AZ150



IBR Profile Roof Sheeting 686 + Wall Cladding Plain Galvanised 0.47mm AZ 150



IBR Profile Roof Sheeting 686 + Wall Cladding Pre Painted

Opaque or Translucent Polycarbonate IBR Matching Profile



Snap lock Concealed Standing Seam Roof and Wall Claddings





Multi Functional Building System
Build In Modular Form
No Cranes | Galvanised Structure
Photovoltaic 3m High Frame – Farm Under
Better Yield Of Land Generate Power at The Same Time
Thermally Control Internal Environment
Community Halls
Warehouse

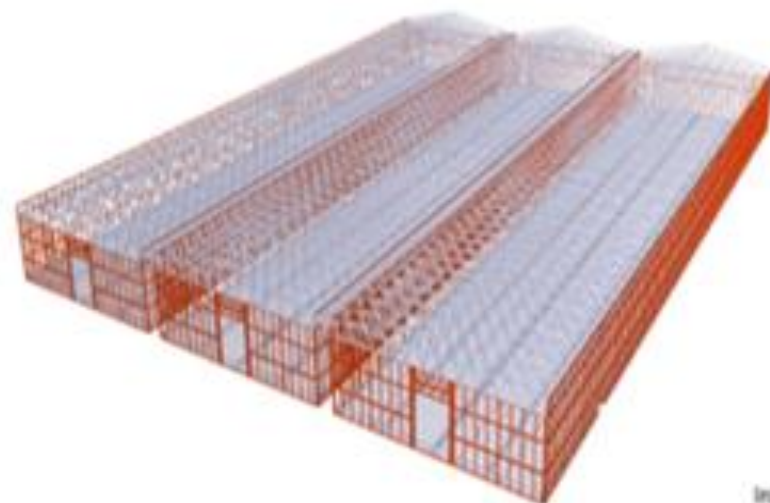


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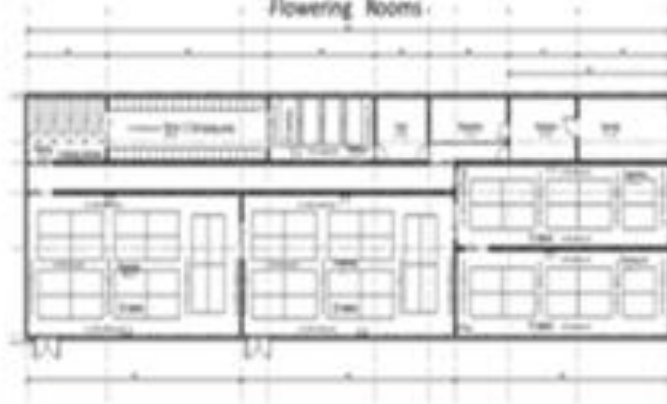
Medicinal Cannabis Design Build Clean Rooms

FACILITY CONSTRUCTION

Lightweight Galvalume Steel Frame System
Options



Internal Layout and Process
Information Available On Request and On Signed MOU
Grow Tables
Vegetation Rooms
Flowering Rooms



Reception



Security + Sanitation



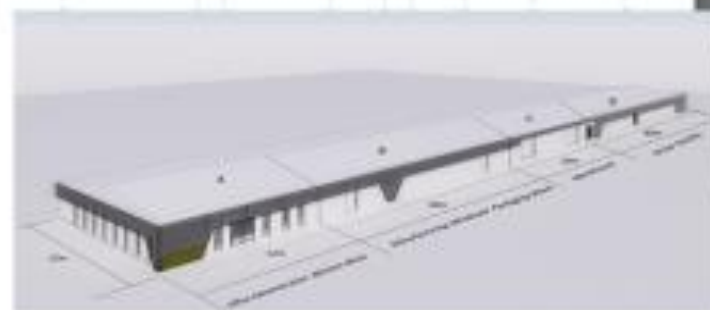
Business



Cleaning



Vegetation



Medicinal Cannabis Design Structure Facilities
Off Take Agreements
Heating and Cooling Systems
Irrigation Systems
Potting
Racking
Grow Tables



Aquaponics
Aquaculture
Nitrification Tanks
Off Take Agreements
Hot House Structures
Clean Rooms
Tank Manufacturing
Plumbing Irrigation Reticulation
Waste Sludge Treatment
Water Treatment



Aquaponics







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Aquaculture and Aquaponics

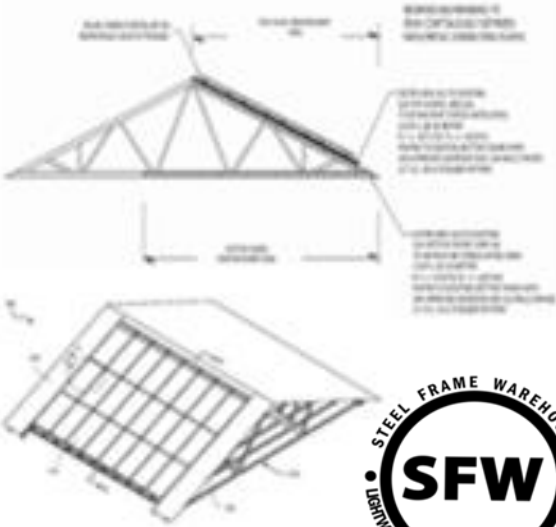


Lightweight Steel Frame Structures To Carry Solar Systems | Galvanised Cold Rolled Steel Components



Solar | Photovoltaic Power Systems | Onyx Glass Power Generation

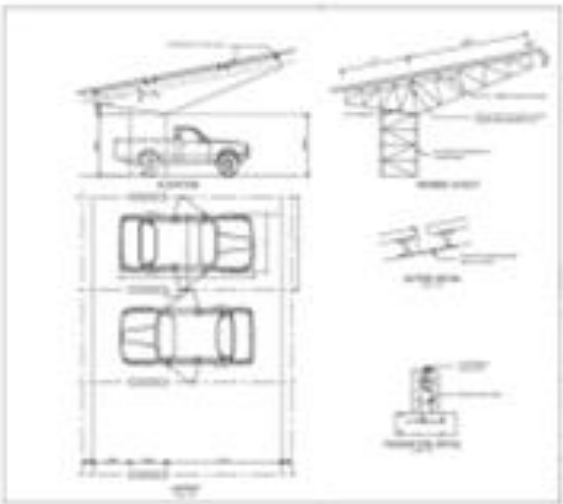
Roof Solar



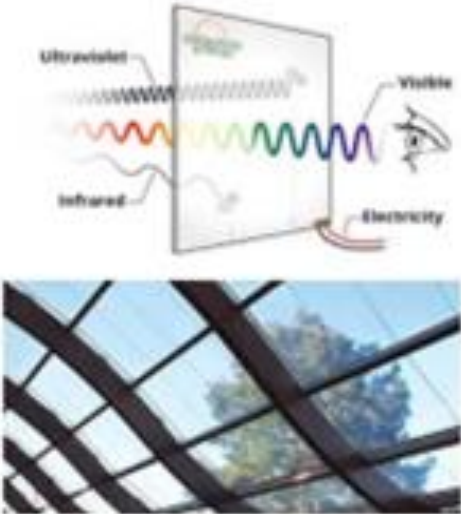
Ground Mount Solar



Car Park Solar



Photovoltaic Glass





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In Collaboration with Steel Frame Warehouse (Pty)Ltd

Andre Schlunz Mobile +27(0)726472533 andre@steelframewarehouse.co.za

www.steelframewarehouse.co.za