GOLDMAN WHITES GROUP

EDDLUX

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About Us

Leading the way in custom container production, Eddlux is a prestigious member of the Goldman Whites Group that provides high-performance, innovative solutions that are suited to the demands of a variety of industries, including logistics, construction, defense, and more.
We specialize in producing containers that blend accuracy, robustness, and functionality, and we have a state-of-the-art production plant and a committed staff of skilled individuals. Eddlux is a brand that speaks for quality and dependability at every turn, whether it is in the form of specially designed storage units, transportation containers, or applications.

We use a multitude of resources, experience, and a tradition of quality as members of the Goldman Whites Group to deliver goods and services that not only meet but also beyond the expectations of our customers. Our integrated approach guarantees the greatest levels of workmanship, creative ideas, and smooth communication.

Our goal at Eddlux is straightforward: to provide our customers with state-of-the-art container solutions that boost productivity and efficiency. We are a partner committed to comprehending your needs, fulfilling our commitments, and establishing enduring bonds based on innovation, trust, and uncompromising quality. We are more than just a manufacturer.

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What is EddLux Modular?

EddLux Modular is an off-site manufacturing company specializing in Design for Manufacturing and Assembly (DfMA) modular construction. We provide a wide range of products, from temporary facilities to mid-rise high-end Structures. EddLux Modular has established itself as a leader in rapid manufacturing and construction of various types of buildings, including Labour camps, quality compounds, government facilities, and commercial complexes. EddLux Modular expertise in fabrication techniques has contributed to its regional leadership position. Additionally, mechanization has been a valuable tool for achieving high productivity within the industry.

Our Expert Management Team with Talented & Experienced Technical group have a proven track record of delivering superior performance in manufacturing prefabricated buildings and ensuring timely project completion. EddLux Modular is always ready to take on new initiatives to meet the growing challenges in design, fabrication, logistics, and renewable technology. We take pride in pushing the boundaries to elevate our products to new levels.

Our objective is to better serve the changing needs of our clients. We hold ISO 9001:2015 Quality Systems Accreditation, ISO 14001:2015 Environmental Management Accreditation, and adhere to the 45001:2018 Health and Safety Management policies. With EddLux Modular exceptional reputation, we not only attract talented employees and investors but also provide operational expertise that adds substantial value to our clients.

At EddLux Modular , we foster a culture that promotes hands-on attitudes towards the presentation and execution of superior products, innovation, and excellence for the benefit of all.

EddLux Containers

Overview

Designed to endure the tough conditions in one of the most environmentally risk-prone areas - the oilfield operations and explorations, these heavy duty units are designed for strength, durability, and flexibility. Mounted on steel master skids that supports 3 standard units, these are built for mobility over any type of terrain, and come with plug and play quick disconnect fittings for power, water, and sewer. It offers you the best value in housing as it is manufactured for longevity to withstand extreme weather conditions. The product variants - Rolling Buildings is a highly mobile unit supplied with heavy duty 22 ton capacity under carriage and the EddLux Container variant is an economic version used for base camps with steel frames and PVC outer wall panels instead of the 2mm steel external corrugated walls.

Application

EddLux Container series is your best choice for your rig camp housing requirements. It is highly suitable for drilling, seismic and pipeline camp requirements. With the large number of industries and the wide range of products and services that EddLux has been offering to the market, we are capable of providing our clients with end-end solutions right from design, manufacturing, installation, and fit-out.

Our units have been made to adapt to the rough weathers. Our skilled and competent workmanship ensure compliance to stringent project deadlines, with adequate project planning, account management, implementation, and support. We provide clients with quick turnaround with automated processes from CNC CAD design and drafting to computer generated estimation and pricing.

Rig Container Specifications

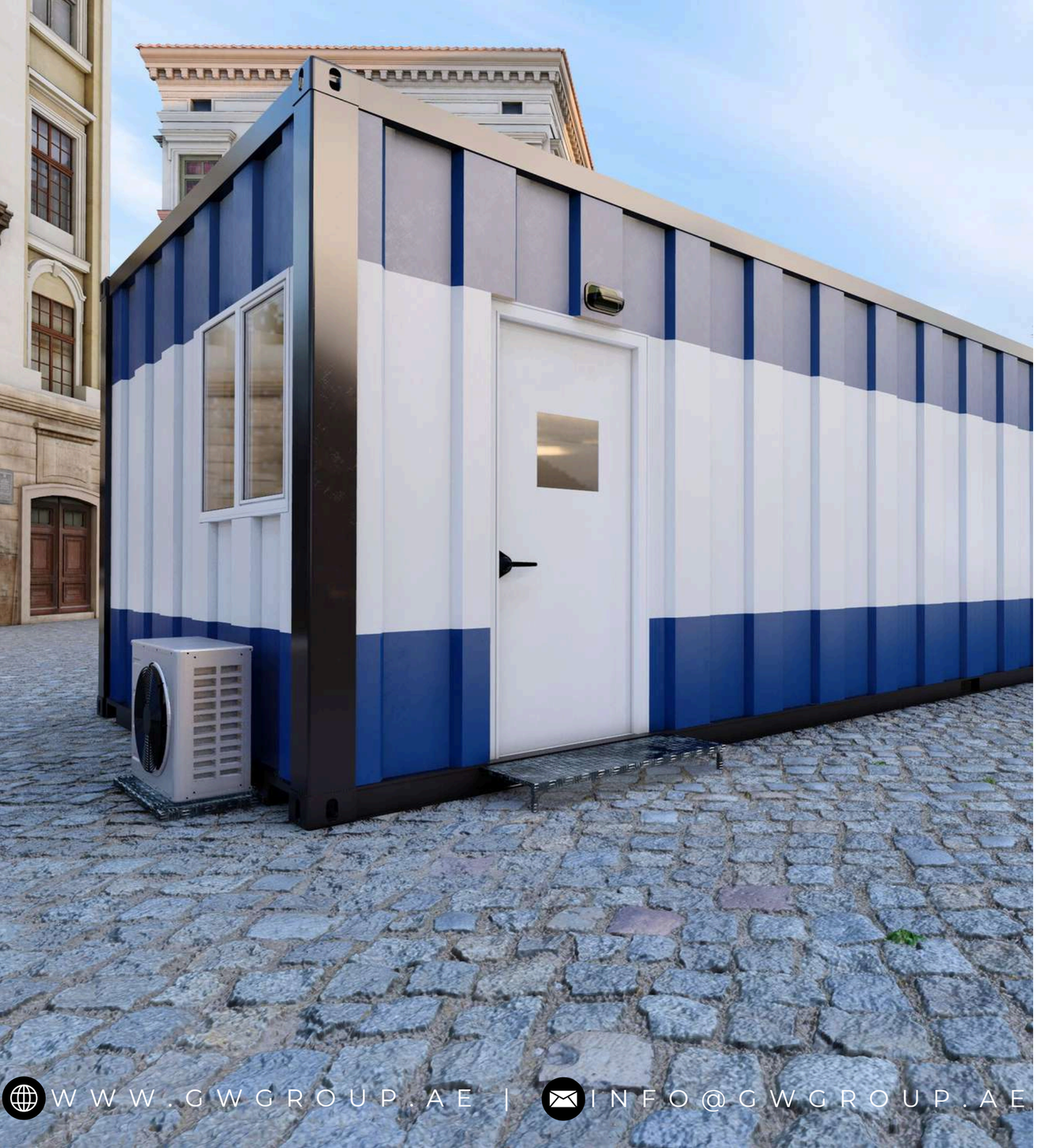
- **Base Frame /Floor System**
- Heavy Duty Perimeter Type frame from 100mm x 100mm
- Box Tubing
- 50mm x 100mm box steel joists 610mm O.C with bridging
- 18mm Concrete Board Decking with .05mm steel underbelly
- 1.5mm Commercial Grade Sheet Vinyl
- Fiberglass flooring in Common Ablution, Kitchen & Freezer/Chiller Rooms

- **Walls**
- Double 50mm x 100mm Steel Box Corner Posts
- 50mm x 100mm Columns at each side Roof Top Lifting Points
- 2mm Corrugated Steel Exterior Panels w/ full welded seams
- 64mm thick Interior white PVC panels insulated with Rockwool
- PVC U-Channel Base Trim anchored to floor for interior wall
- connections and flashings

- **Coatings**

  Note:that all steel components within building structure including walls, beams and skid frame are prepared & coated as follows:

- Grit Blasted, primed and painted
- Basecoat : 2-Pack Epoxy Primer
- Mid & Top Coat : 2-Pack Polyurethane



Rig Container Specifications

- **Roof**
- Roofing, 64mm white PVC panels insulated with Rockwool, reinforced with internal metal stud framing as required
- 50mm x 100mm steel box beams installed at top lifting points & roof perimeter, welded to columns
- Roof Sealed with 2mm corrugated steel panel with full welded seams
- Additional ceiling beams installed as required ensuring O.C. maximum spacing

- **Doors Exterior**
- Exterior doors - 32” x 80” steel doors with insulated core, complete with frame, threshold, weather stripping, nylon bungee cords, door closer, heavy duty lever type lockset and heavy duty hinges.

- **Doors Interior**
- Interior doors are 30” x 80” standard size with 24” x 80” for baths. Doors are prefinished hardboard exterior with honeycomb core, complete with cylindrical & privacy lockset

- **Windows**
- Aluminum Framed, vertical sliding window, 25” x 27” standard all rooms
- All windows weather sealed and provided with removable insect screen

- **Electrical**
- Voltage, Phase and Hz as per Customer requirements
  Copper stranded wires to all devices and fixtures with grounding system
- Weatherproof Incandescent Light at each exterior door
  Quick Disconnect exterior connectors on all panel boards

EddLux - LGS Technology

- **Using Light Gauge Steel Technology, EddLux can offer two types of LGS construction either On-site construction and factory build modular.**

- **LGS Construction Benefits:**

- Improved workplace safety and working conditions
- Increased labor skill levels and training opportunities
- Faster construction time (up to 40% quicker than traditional methods)
- Access to locations where site construction is prohibitive
- Excellent acoustic insulation
- Limited disruption around the construction site
- Increased security of goods and materials
- Lower costs to fund due to reduced construction costs and earlier opening dates – facilitating quicker returns on investment

- **Modular Benefits:**

- Fire rated construction and materials
- Stackable design for 2 story configurations
- Buildings available fully erected or in a flat pack configuration
- Pre-fabricated modular floor, or can be designed for installation on to a concrete slab
- Offers open plan environments
- Buildings can be Interconnected for design flexibility
- Suitable for temporary and permanent camp facilities

LGS Porta Cabin Specifications

- **Modular Floor System**
- Heavy duty with 150 I-Beam main runners & 100mm I- beam end rails and cross members.
- 2-Lifting points at each side for crane lifting
- Cleaned primed and corrosion painted finish
- Perimeter rails 89mm Light Gauge Steels
- Floor Joist 89mm Light Gauge Steel 406mm on centers.
- 18mm concrete board/plywood with painted underside.
- 15.mm thick polyuria floor paint finish.

- **Exterior Walls**
- 89mm Light Gauge Steel studs at 610mm on centers with 2-rows bridging 48" high.
- 89mm thick Rockwool insulation with vapor barrier
- 15mm thick Fire rated gypsum board on interior face sanded and paint finish.
- 9mm thick. Cement board primed and painted on exterior (two coats of textured paint in your choice of colors) or powder coated 0.40mm thick. corrugated profiled sheets.

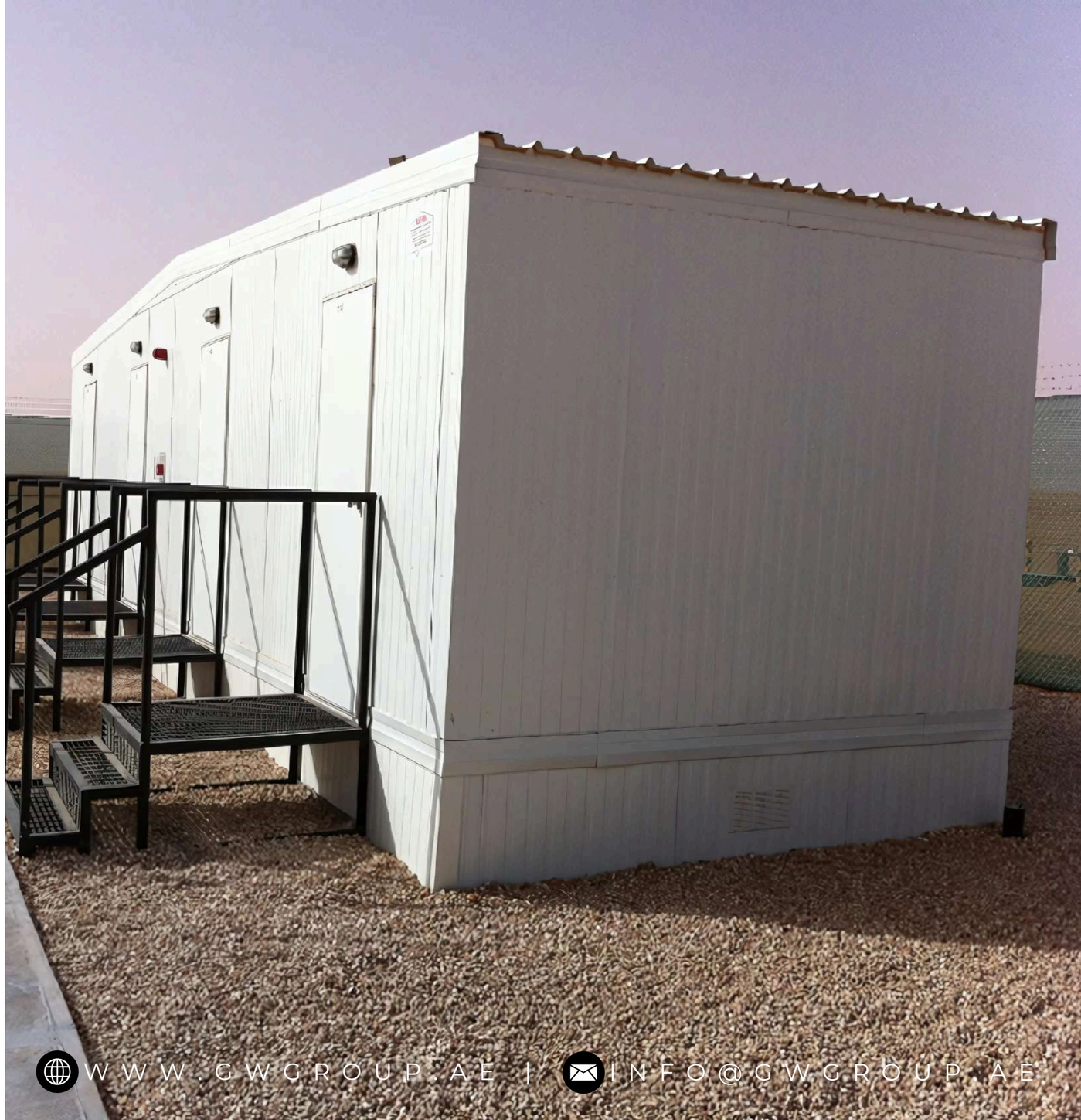
- **Interior Walls**
- 89mm Light Gauge Steel studs at 610mm on centers with 2-rows bridging 48" high.
- 89mm thick Rockwool insulation
- 15mm thick Fire rated gypsum board on interior face sanded and paint finish.

LGS Porta Cabin Specifications

- **Roof Systems**
- 89mm Light Gauge Steel rafters 610 O.C with 1-row bridging
- 89mm thick Rockwool insulation with vapor barrier
- Powder coated 0.40mm thick corrugated profiled sheets.
- 15mm thick Fire rated gypsum board with textured paint finish on ceiling.

- **Door Systems - Exterior**
- 32”x80” insulated core steel door with optional view panel.
- Complete with frame, weather stripping nylon bungee cord, door closer, heavy duty cylindrical lockset and heavy duty hinges.

- **Door Systems – Interior**
- 30”x80” standard size with 24”x80” for baths.
- Prefinished hardboard exterior with honey comb core.
- Complete with Privacy locket & cylindrical lockset.



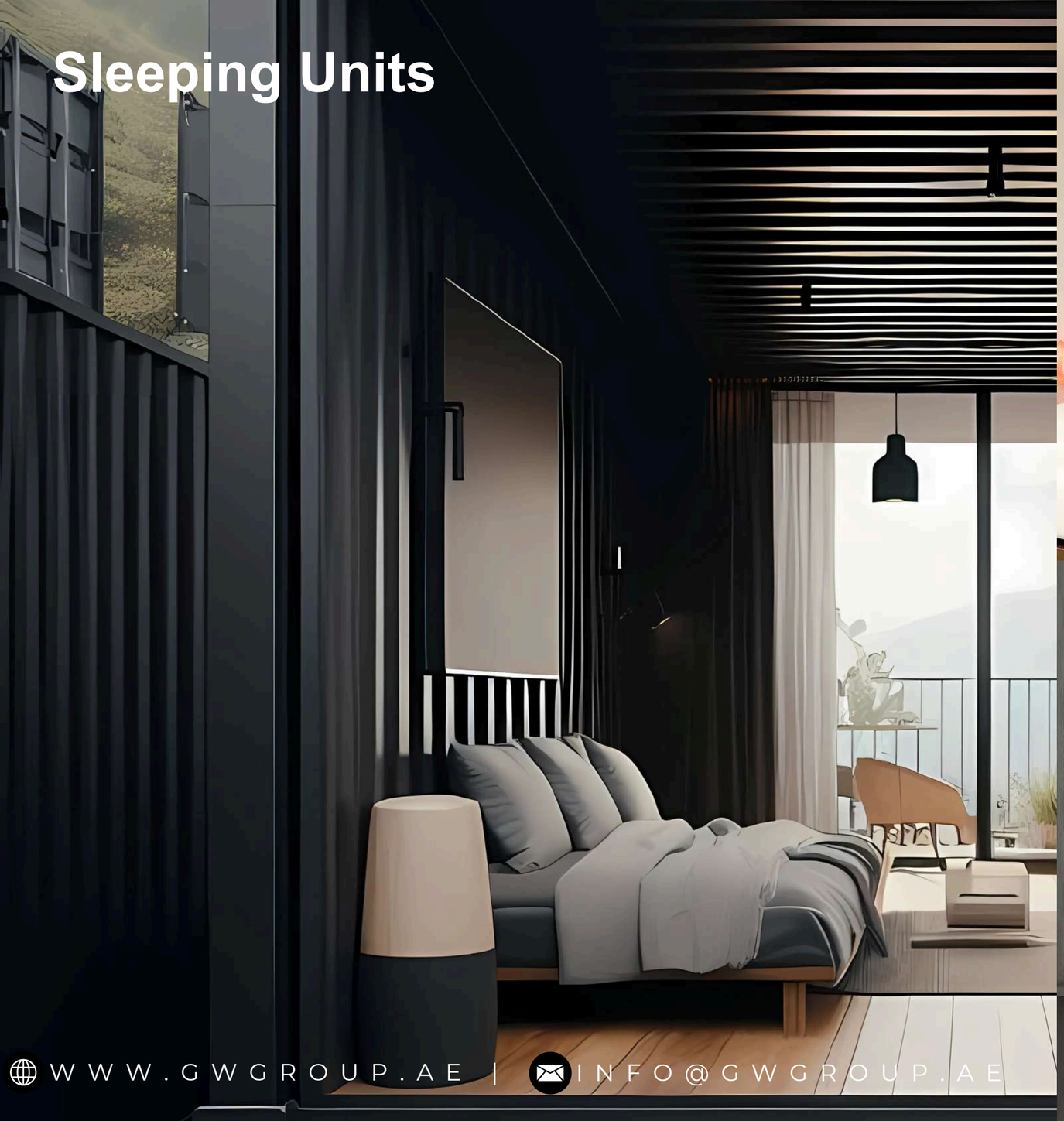
Mining Offices

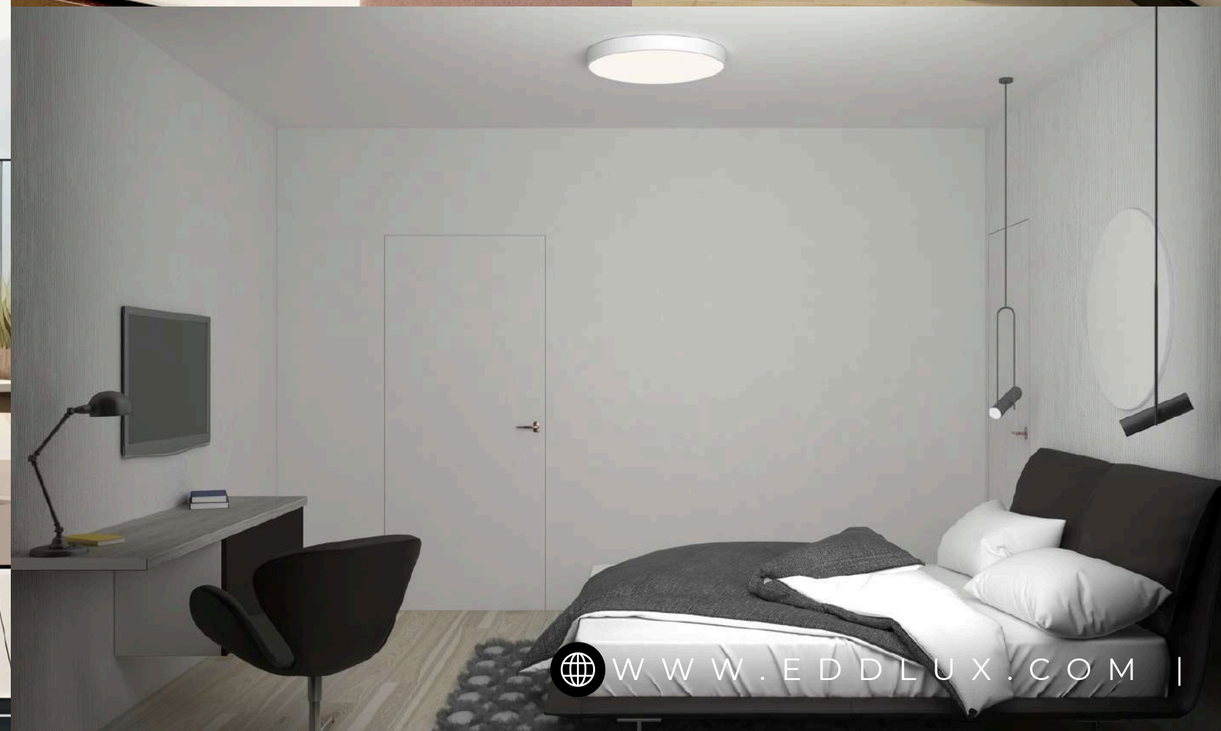
Armored Containers

Trailer Container

Trailer Container

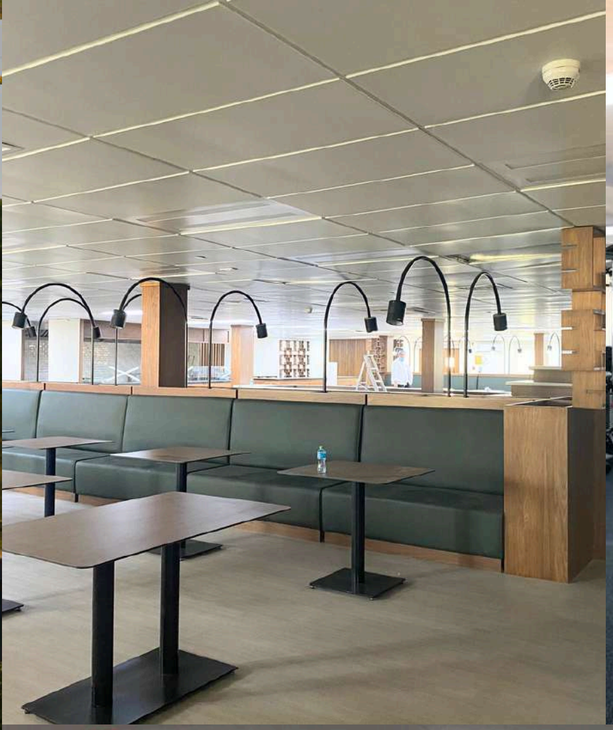
Sleeping Units





Laundry, Ablution, Toilet & Shower Block

Kitchen & Dining Hall



Prayer Room & Recreational Facilities

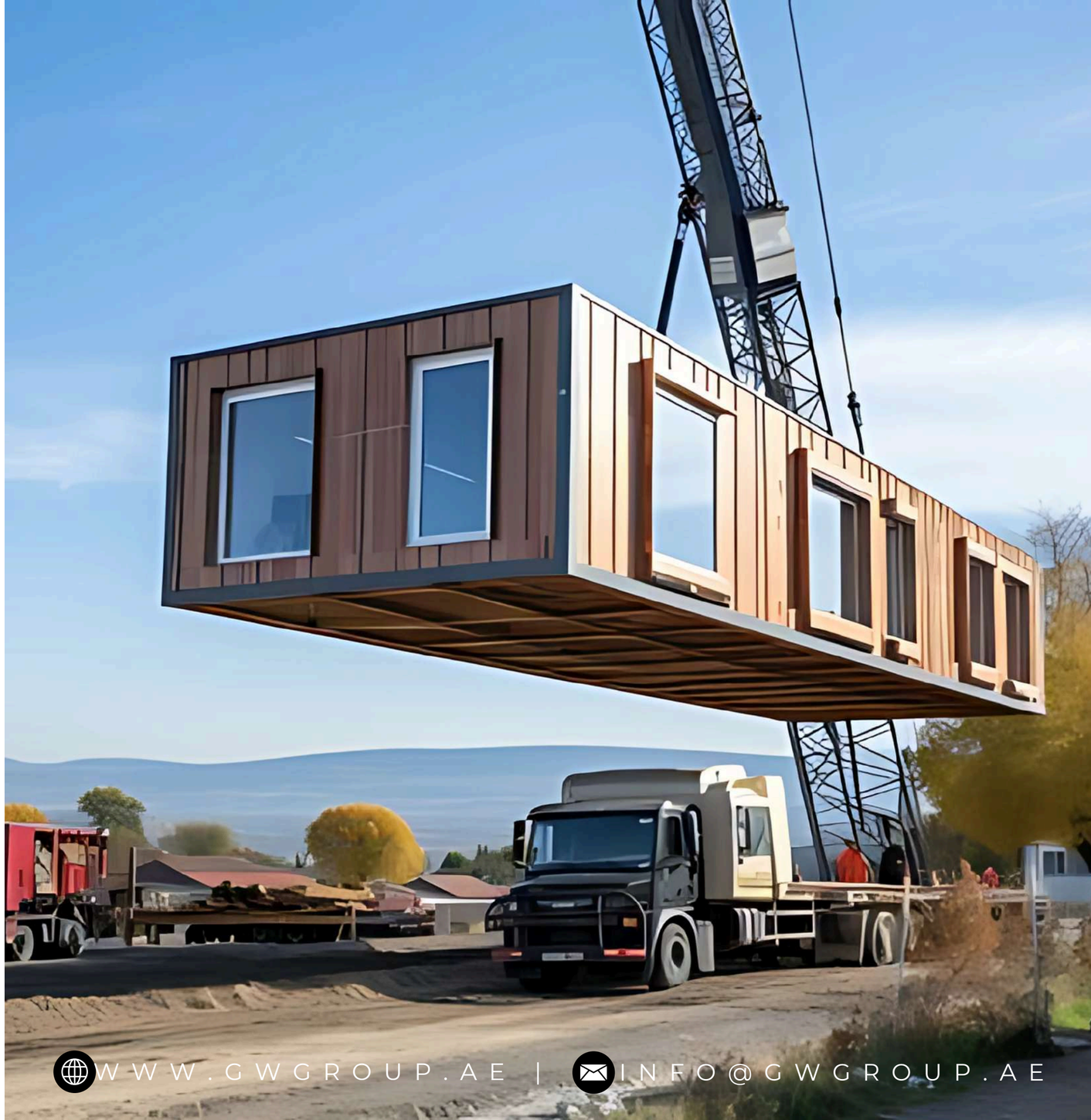
What is SIPs Panels?

Structural insulated panels are high-performance building panels used in exterior walls, roofs, and floors for residential and light commercial construction. The panels are made by sandwiching a core of rigid foam insulation between two skins of wood structural panels, typically oriented strand board (OSB). The foam core of the panel is typically composed of expanded polystyrene (EPS), polyurethane, extruded polystyrene (XPS) or polyisocyanurate. Where required by the manufacturing process, structural adhesive is used to adhere the foam cores to the skins of the panel in the lamination process. Once laminated, panels can be fabricated either onsite or in the manufacturing plant to meet the design specifications of a home and shipped to the site for a quick and easy installation.

The SIP fabrication process usually begins with a CAD drawing of the building. Panel manufacturers convert the CAD drawings into shop drawings that can be plugged directly into CNC fabrication machines or used to measure and cut panels by hand. “Chases” or channels for electrical wiring are cut or formed into the foam core, and the core is recessed around the edges to accept connection splines or dimensional lumber. By fabricating SIPs under factory controlled conditions, SIPs achieve tolerances far more precise than wood framing.

Design Advantages

SIPs offer several inherent advantages due to their engineered fabrication and structural abilities. SIPs are an integrated system. The manufacturing process is fully integrated with the CAD design process. This introduces the flexibility and accuracy of CAD design into the actual construction of the home. The entire building process from design to finished construction takes less time and is closer to the design specifications with a SIP structure. Building with an engineered product means that SIP components will always be straight, true, and cut with close tolerances. Designers can use complexity to their advantage with CAD/CAM fabrication technology. CNC cutting machines are capable of cutting just about any shape and size of panel, taking complex measuring and mathematics out of onsite construction. Complex roofs, rounded roofs, and rounded or arched windows are only a few examples of design elements easily achieved with SIPs. SIPs can dramatically simplify the construction process. Jumbo panels with large spanning capabilities can close space with fewer structural members than traditional stick framing. Transverse and racking load tests confirm the strength and transverse load resistance of SIPs, meaning less additional supports will be needed to add stability in high seismic or wind areas.



Telecom Tower

SA Series Tower :

- SA 54m Tower
- SA 48m Tower
- SA 42m Tower
- SA 36m Tower
- SA 30m Tower
- Tower's Load Capacity

SF Series Tower

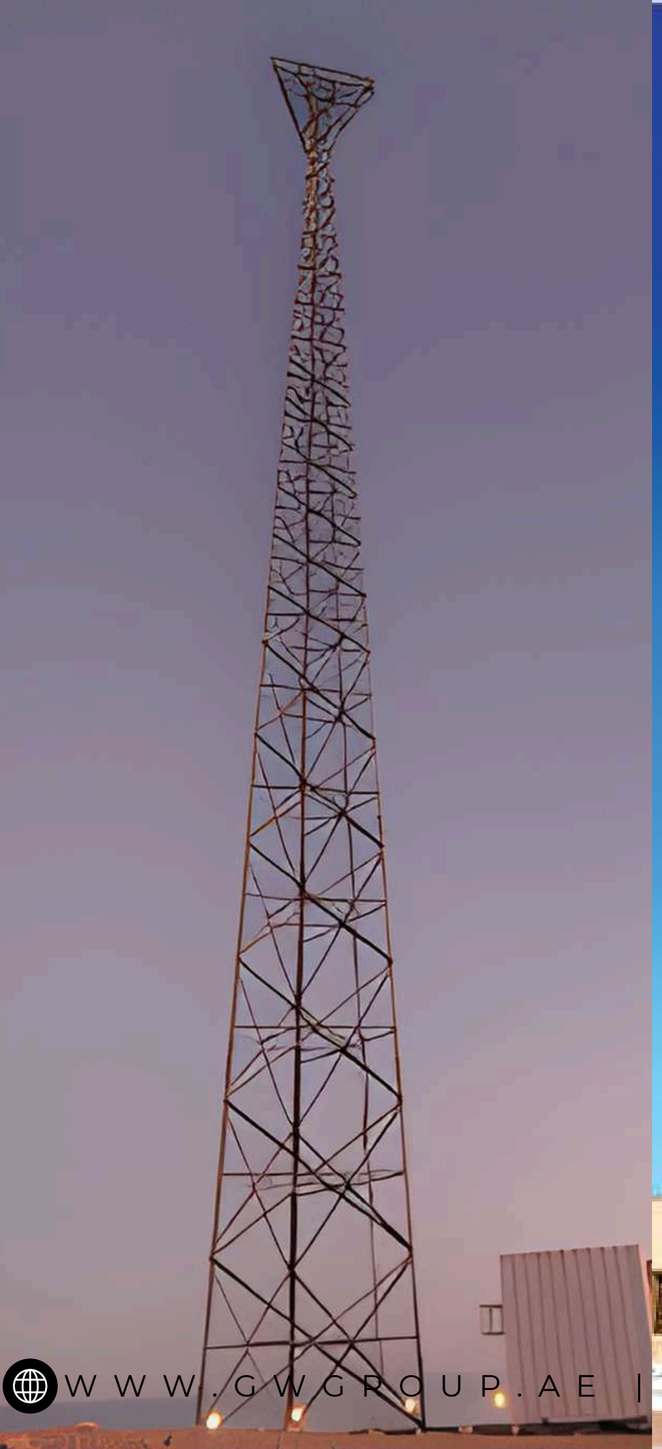
- SF 54m Tower
- SF 48m Tower
- SF 42m Tower
- SF 36m Tower
- SF 30m Tower
- Tower's Load Capacity

SG Series Tower

- SG 72m Tower
- SG 66m Tower
- SG 60m Tower
- SG 54m Tower
- Tower's Load Capacity

Accessories

- Man Ladder
- Mounting
- Structure
- Horizontal Rack Feeder



General Use of SA Towers

The three-legged angular self-supporting SA-series towers offer a low-cost solution to use in normal space with minimum weight and a wide variety usage in hub & mobile sites. SA tower is suitable to utilize for all types of GSM, UHF, ... Antennas.

Design

- Designed on TIA/ EAi 222-F standard
- Designed up to 54m height with light and medium loading
- Low diversity of separate members
- Wide variety of accessories that can be easily mounted cit any stages
- Vertical rack feeders are connected to ladder which caused easy access

Accessories

- Working and rest platform
- Antenna Mounts
- Lightening protection kit
- Horizontal rack feeder
- Positioning template
- Lighting package

Documentation

- Packing list
- Installation manual
- Foundation drawing

Materials and Anchoring:

- All members are hot rolled angles (Legs ST52, Braces and plates ST37)
- Anchor bolts (Alli) used with leveling nuts and positioning template

Connections

- All bolts are 8.8 grade (DIN933) with flat, spring washers and nuts

Galvanizing

- All materials are hot-dip galvanized on ASTM A 123 standard

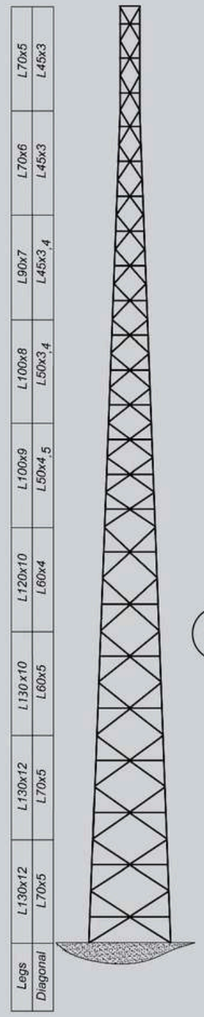
Ladder Construction

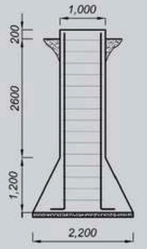
- Enough space for easy movement inside tower
- Cage or open ladder with safety climbing line

Technical Details

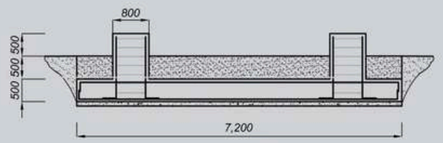
- SA tower designed for 120 km/h wind
- FPA of SA tower is 10 ~ l 2m2
- Ice thickness is 12 mm

SA 54m Tower

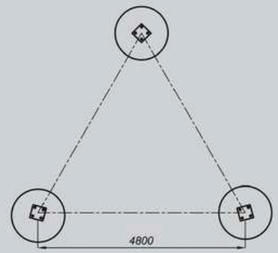




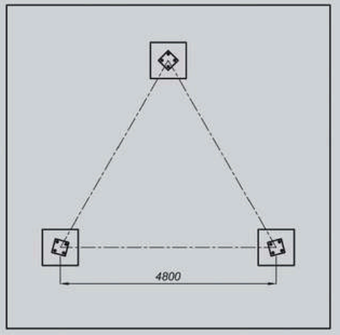
For Normal Soil



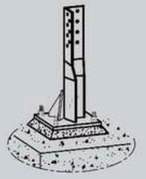
For Pour Soil



Top View



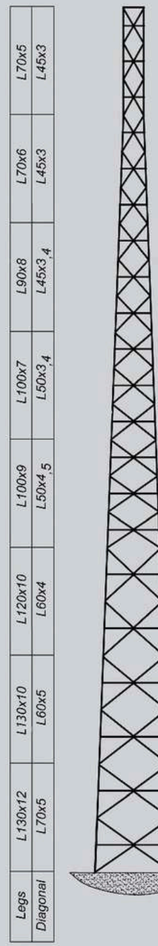
Top View

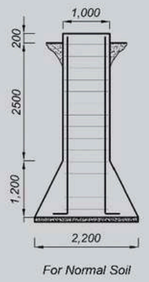


Foot 3D View

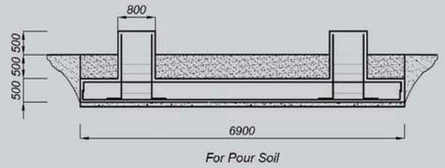
SA541 Tower				
Dimension		FPA (m^2)		
Top Width (mm)	Bott. Width (mm)	WIND120 (Km/h)	WIND130 (Km/h)	WIND160 (Km/h)
1200	4800	10	6	-

SA 48m Tower

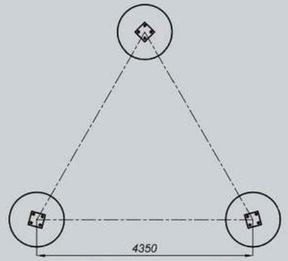




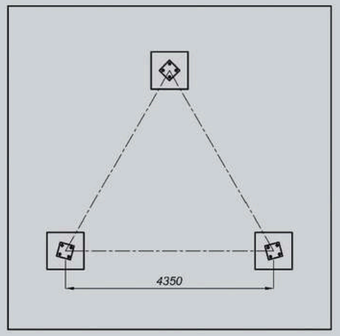
For Normal Soil



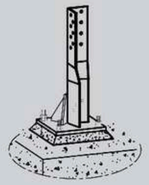
For Pour Soil



Top View



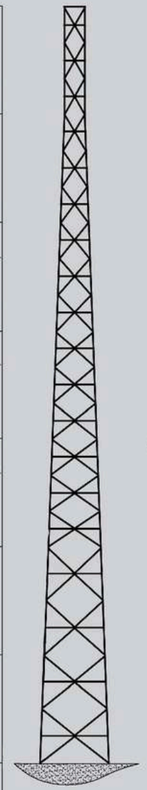
Top View

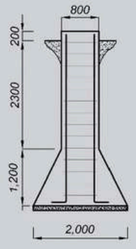


Foot 3D View

SA481 Tower				
Dimension		FPA (m^2)		
Top Width (mm)	Bott. Width (mm)	WIND120 (Km/h)	WIND130 (Km/h)	WIND160 (Km/h)
1200	4350	10.5	7	-

SA 42m Tower





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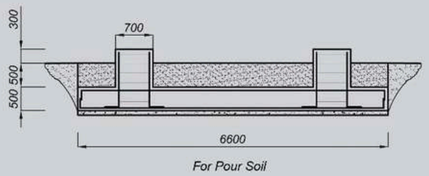

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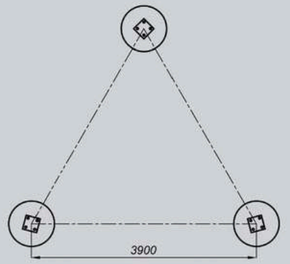
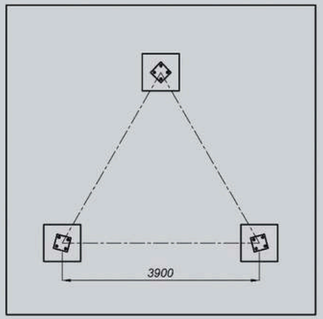
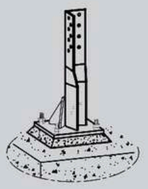


Top View



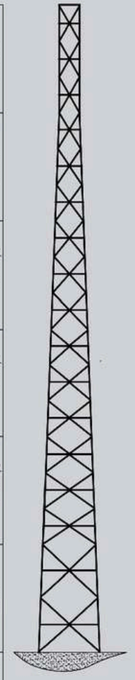
Top View

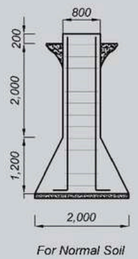


Foot 3D View

SA421 Tower				
Dimension		FPA (m^2)		
Top Width (mm)	Bott. Width (mm)	WIND120 (Km/h)	WIND130 (Km/h)	WIND160 (Km/h)
1200	3900	11.5	8.5	2

SA 36m Tower





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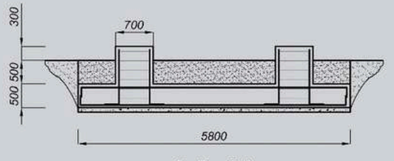
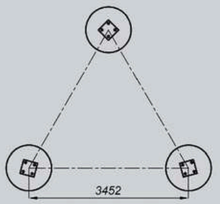
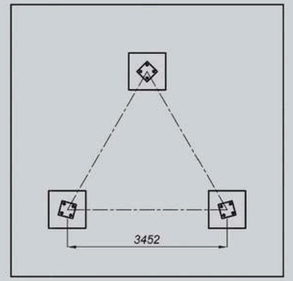


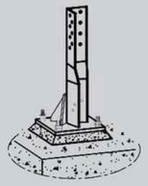
For Pour Soil



Top View



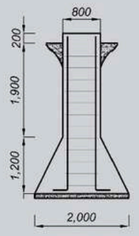
Top View



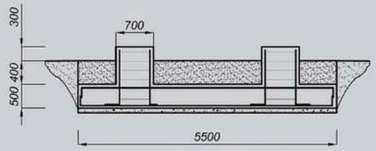
Foot 3D View

SA361 Tower				
Dimension		FPA (m^2)		
Top Width (mm)	Bott. Width (mm)	WIND120 (Km/h)	WIND130 (Km/h)	WIND160 (Km/h)
1200	3452	12	9	3

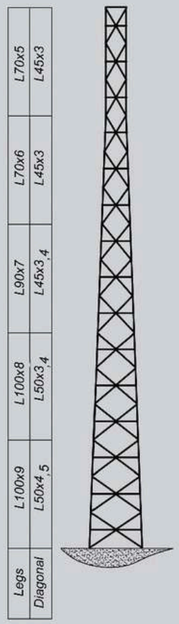
SA 30m Tower

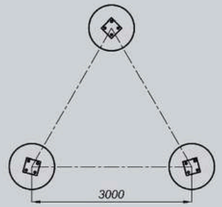


For Normal Soil

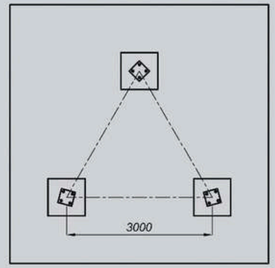


For Pour Soil

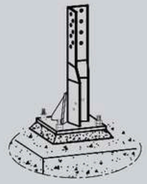




Top View

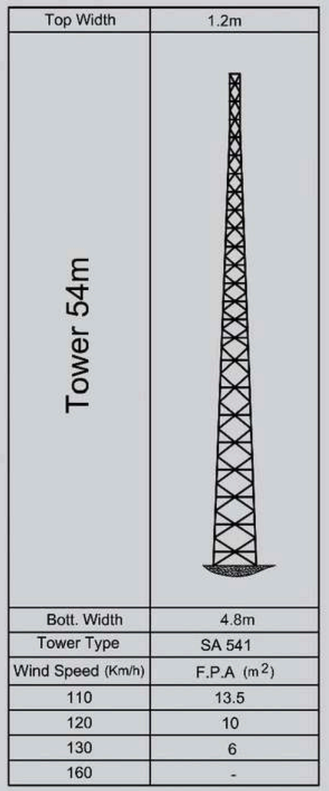


Top View

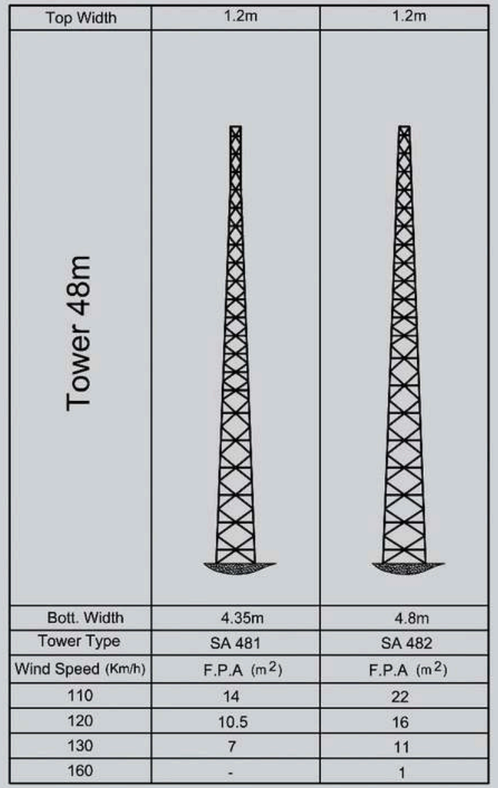

Foot 3D View

SA301 Tower				
Dimension		FPA (m^2)		
Top Width (mm)	Bott. Width (mm)	WIND120 (Km/h)	WIND130 (Km/h)	WIND160 (Km/h)
1200	3000	13	10	4

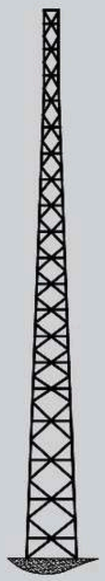
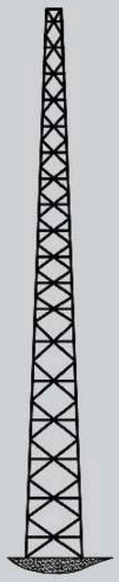
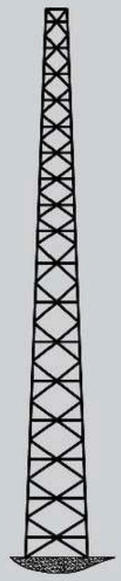
Tower's Load Capacity

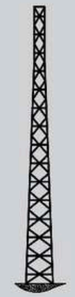
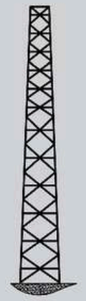


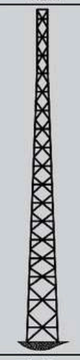
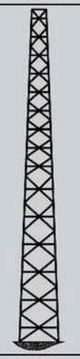
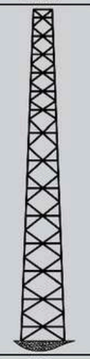
Top Width	1.2m
Bott. Width	4.8m
Tower Type	SA 541
Wind Speed (Km/h)	F.P.A (m^2)
110	13.5
120	10
130	6
160	-

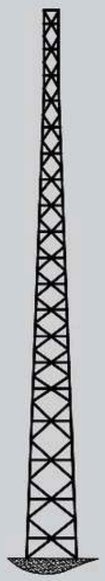
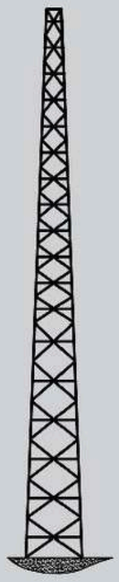
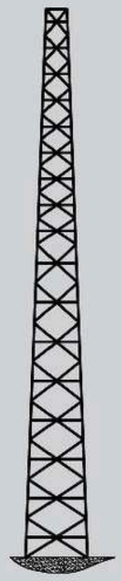


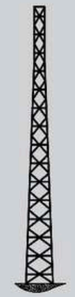
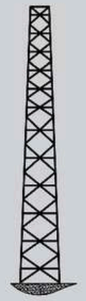
Top Width	1.2m	1.2m
Bott. Width	4.35m	4.8m
Tower Type	SA 481	SA 482
Wind Speed (Km/h)	F.P.A (m^2)	F.P.A (m^2)
110	14	22
120	10.5	16
130	7	11
160	-	1

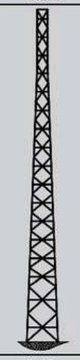
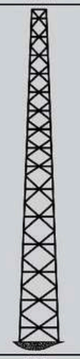
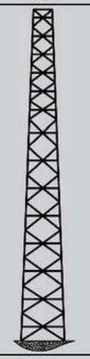
Top Width	1.2m	1.2m	1.6m
Tower 42m			
Bott. Width	3.9m	4.35m	4.8m
Tower Type	SA 421	SA 422	SA 423
Wind Speed (Km/h)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)
110	15	25.5	28.5
120	11.5	20	23
130	8.5	15.5	17.5
160	2	5	5.5

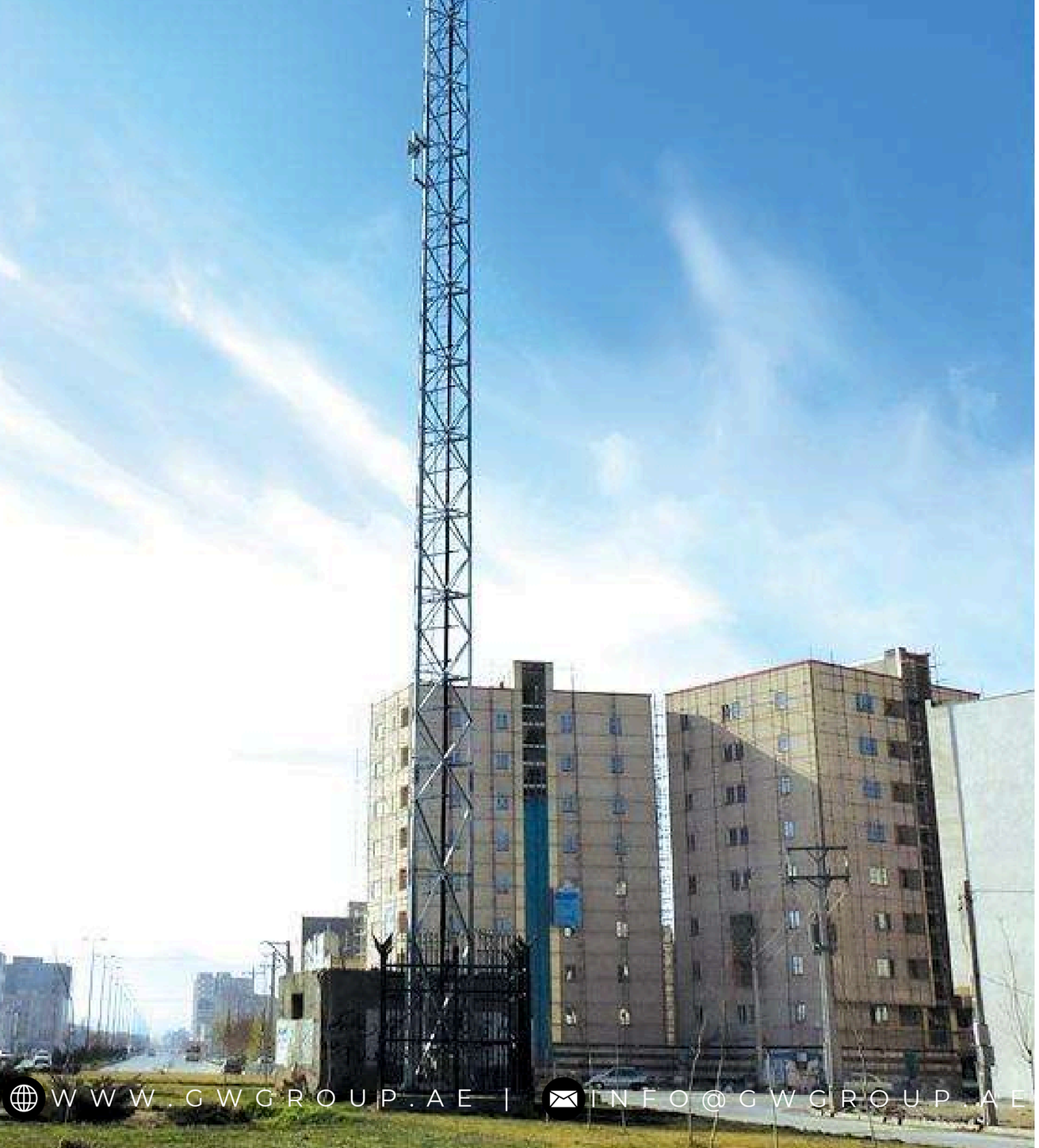
Top Width	1.2m	1.2m	1.6m	2.06m
Tower 30m				
Bott. Width	3m	3.45m	3.9m	4.35m
Tower Type	SA 301	SA 302	SA 303	SA 304
Wind Speed (Km/h)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)
110	17	29	32	32.5
120	13	23	26	26.5
130	10	18	20.5	21
160	4	9.5	10	10.5

Top Width	1.2m	1.2m	1.6m	2.06m
Tower 36m				
Bott. Width	3.45m	3.9m	4.35m	4.8m
Tower Type	SA 361	SA 362	SA 363	SA 364
Wind Speed (Km/h)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)
110	15.5	27	30	30.5
120	12	21	24	25
130	9	17	19	20
160	3	6	9.5	10

Top Width	1.2m	1.2m	1.6m
Tower 42m			
Bott. Width	3.9m	4.35m	4.8m
Tower Type	SA 421	SA 422	SA 423
Wind Speed (Km/h)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)
110	15	25.5	28.5
120	11.5	20	23
130	8.5	15.5	17.5
160	2	5	5.5

Top Width	1.2m	1.2m	1.6m	2.06m
Tower 30m				
Bott. Width	3m	3.45m	3.9m	4.35m
Tower Type	SA 301	SA 302	SA 303	SA 304
Wind Speed (Km/h)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)
110	17	29	32	32.5
120	13	23	26	26.5
130	10	18	20.5	21
160	4	9.5	10	10.5

Top Width	1.2m	1.2m	1.6m	2.06m
Tower 36m				
Bott. Width	3.45m	3.9m	4.35m	4.8m
Tower Type	SA 361	SA 362	SA 363	SA 364
Wind Speed (Km/h)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)
110	15.5	27	30	30.5
120	12	21	24	25
130	9	17	19	20
160	3	6	9.5	10



General Use of SF Towers

The three-legged angular self-supporting SF-series towers offer an easy solution to use in minimum space with a wide variety usage in hub & mobile sites and best embedment for monopole towers. SF tower is suitable to utilize for all types of GSM, UHF, ... Antennas.

Design

- Designed on TIA/ EAi 222-F standard
- Designed up to 54m height with light and medium loading
- Low diversity of separate members
- Wide variety of accessories that can be easily mounted at any stages
- Vertical rack feeders are connected to ladder which caused easy access
- Special design for foundation (I-Pile)

Accessories

- Working and rest platform
- Antenna Mounts
- Lightening protection kit
- Horizontal rack feeder
- Positioning template
- Lighting package

Documentation

- Packing list
- Installation manual
- Foundation drawing

Materials and Anchoring:

- All members are hot rolled angles (Legs ST52, Braces and plates ST37)
- Anchor bolts (Alli) used with leveling nuts and positioning template

Connections

- All bolts are 8.8 grade (DIN933) with flat, spring washers and nuts

Galvanizing

- All materials are hot-dip galvanized on ASTM A 123 standard

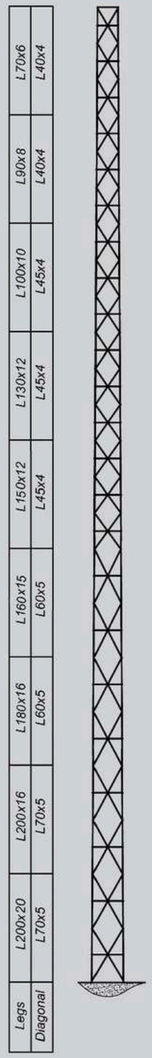
Ladder Construction

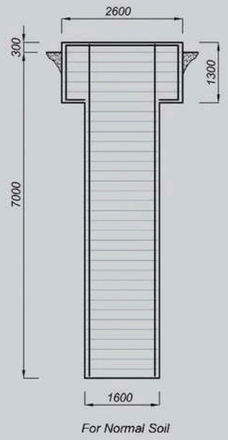
- Enough space for easy movement inside tower
- Cage or open ladder with safety climbing line

Technical Details

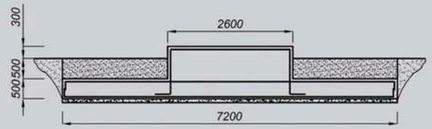
- SF tower designed for 120 km/h wind
- FPA of SF tower is 11.3 ~ l 2.5m2
- Ice thickness is 12 mm

SF 54m Tower

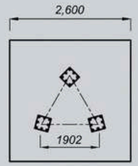




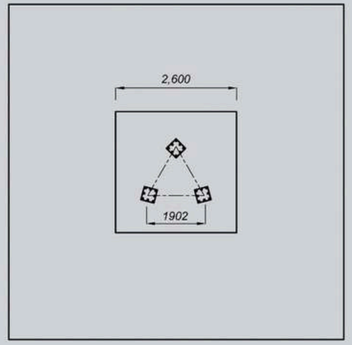
For Normal Soil



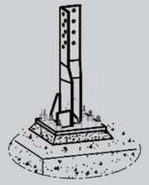
For Pour Soil



Top View



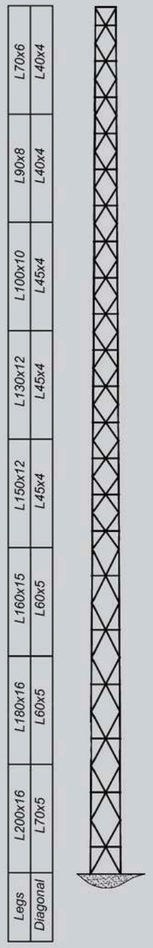
Top View

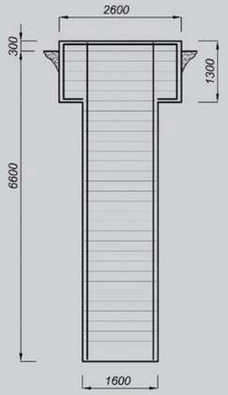


Foot 3D View

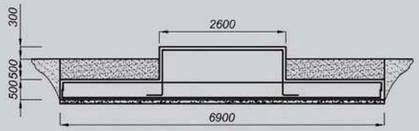
SF541 Tower				
Dimension		FPA (m^2)		
Top Width (mm)	Bott. Width (mm)	WIND120 (Km/h)	WIND130 (Km/h)	WIND160 (Km/h)
1200	1902	11.3	8	-

SF 48m Tower

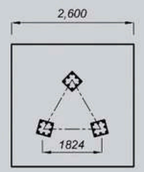




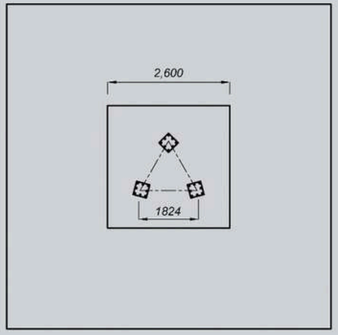
For Normal Soil



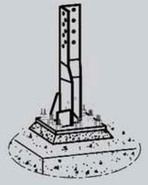
For Pour Soil



Top View



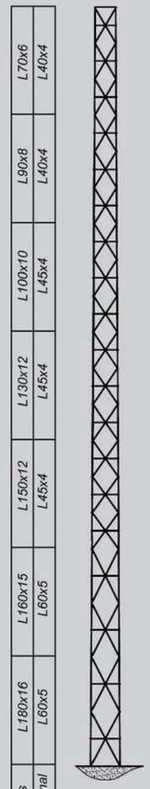
Top View

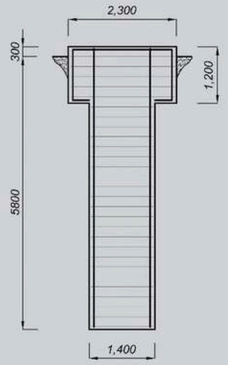


Foot 3D View

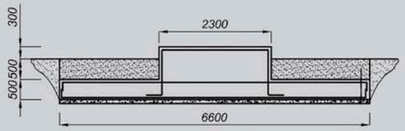
SF481 Tower				
Dimension		FPA (m^2)		
Top Width (mm)	Bott. Width (mm)	WIND120 (Km/h)	WIND130 (Km/h)	WIND160 (Km/h)
1200	1824	11.8	8.5	-

SF 42m Tower

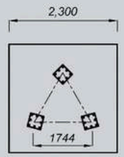




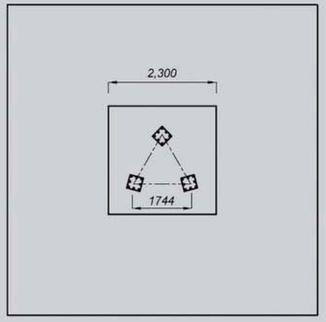
For Normal Soil



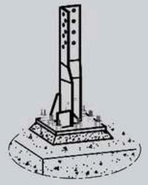
For Pour Soil



Top View



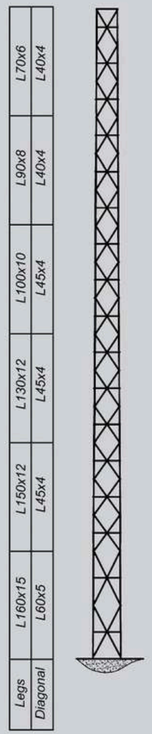
Top View

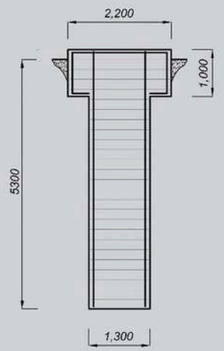


Foot 3D View

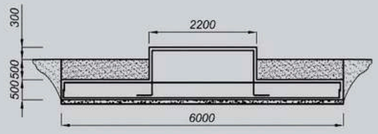
SF421 Tower				
Dimension		FPA (m^2)		
Top Width (mm)	Bott. Width (mm)	WIND120 (Km/h)	WIND130 (Km/h)	WIND160 (Km/h)
1200	1744	12	8.5	-

SF 36m Tower

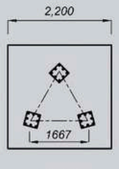




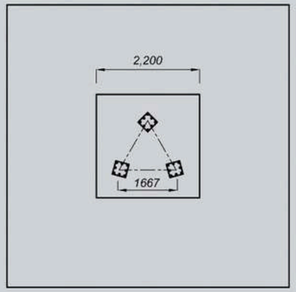
For Normal Soil



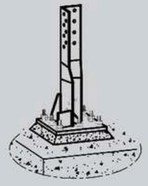
For Pour Soil



Top View



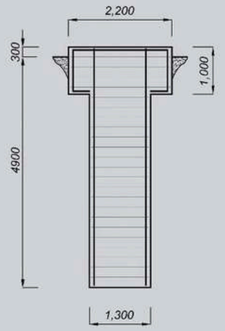
Top View



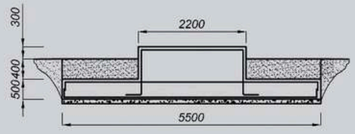
Foot 3D View

SF361 Tower				
Dimension		FPA (m^2)		
Top Width (mm)	Bott. Width (mm)	WIND120 (Km/h)	WIND130 (Km/h)	WIND160 (Km/h)
1200	1667	12.5	10.5	4

SF 30m Tower

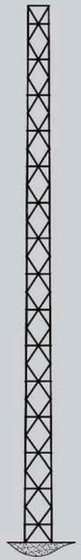


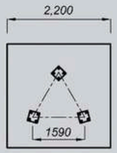
For Normal Soil



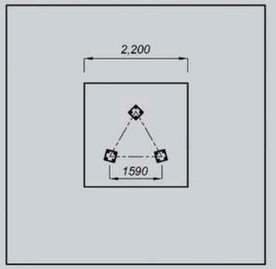
For Pour Soil

Legs	L150x12 / L130x12 / L100x10 / L90x8 / L70x6
Diagonal	L45x4 / L45x4 / L45x4 / L40x4 / L40x4

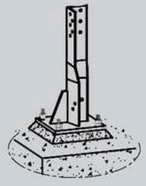




Top View



Top View



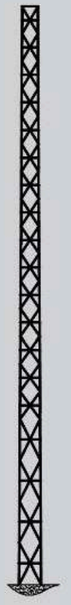
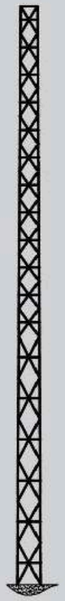
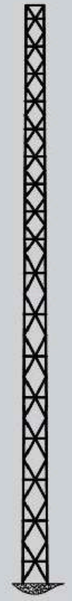
Foot 3D View

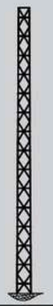
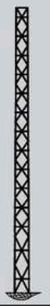
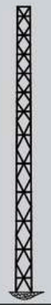
SF301 Tower				
Dimension		FPA (m^2)		
Top Width (mm)	Bott. Width (mm)	WIND120 (Km/h)	WIND130 (Km/h)	WIND160 (Km/h)
1200	1590	14	11	5.5

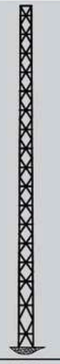
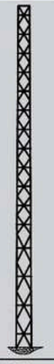
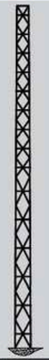
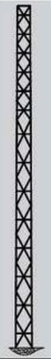
Tower's Load Capacity

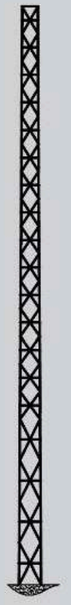
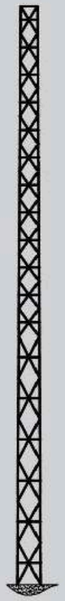
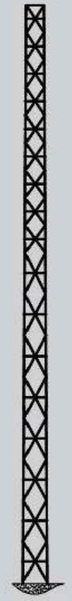
Top Width	1.2m
Tower 54m	
Bott. Width	1.9m
Tower Type	SF 541
Wind Speed (Km/h)	F.P.A (m^2)
110	13.5
120	11.3
130	8
160	-

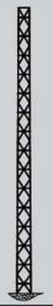
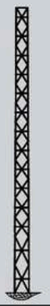
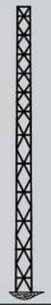
Top Width	1.2m	1.27
Tower 48m		
Bott. Width	1.82m	1.9m
Tower Type	SF 481	SF 482
Wind Speed (Km/h)	F.P.A (m^2)	F.P.A (m^2)
110	14.5	20
120	11.8	16
130	8.5	13
160	-	3

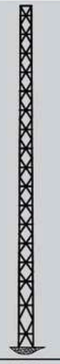
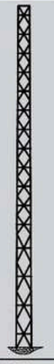
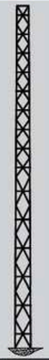
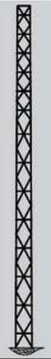
Top Width	1.2m	1.27m	1.35m
Tower 42m			
Bott. Width	1.74m	1.82m	1.9m
Tower Type	SF 421	SF 422	SF 423
Wind Speed (Km/h)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)
110	15	25	30
120	12	18	23
130	8.5	14.5	18
160	-	4	8.5

Top Width	1.2m	1.27m	1.35m	1.42m
Tower 30m				
Bott. Width	1.59m	1.66m	1.74m	1.82m
Tower Type	SF 301	SF 302	SF 303	SF 304
Wind Speed (Km/h)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)
110	17	29	33	36
120	14	20	28	30
130	11	18.5	24	28
160	5.5	9	11.5	14

Top Width	1.2m	1.27m	1.35m	1.42m
Tower 36m				
Bott. Width	1.66m	1.74m	1.82m	1.9m
Tower Type	SF 361	SF 362	SF 363	SF 364
Wind Speed (Km/h)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)
110	16	27	31	36
120	12.5	19	24	29
130	10.5	16.5	23	27
160	4	7.5	11	13

Top Width	1.2m	1.27m	1.35m
Tower 42m			
Bott. Width	1.74m	1.82m	1.9m
Tower Type	SF 421	SF 422	SF 423
Wind Speed (Km/h)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)
110	15	25	30
120	12	18	23
130	8.5	14.5	18
160	-	4	8.5

Top Width	1.2m	1.27m	1.35m	1.42m
Tower 30m				
Bott. Width	1.59m	1.66m	1.74m	1.82m
Tower Type	SF 301	SF 302	SF 303	SF 304
Wind Speed (Km/h)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)
110	17	29	33	36
120	14	20	28	30
130	11	18.5	24	28
160	5.5	9	11.5	14

Top Width	1.2m	1.27m	1.35m	1.42m
Tower 36m				
Bott. Width	1.66m	1.74m	1.82m	1.9m
Tower Type	SF 361	SF 362	SF 363	SF 364
Wind Speed (Km/h)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)
110	16	27	31	36
120	12.5	19	24	29
130	10.5	16.5	23	27
160	4	7.5	11	13

General Use of SG Towers

The four-legged angular self-supporting SG-series towers offer a good solution to use in hub & mobile sites with medium and heavy duties. SG tower is suitable for types of GSM, UHF, ... Antennas.

Design

- Designed on TIA/ EAi 222-F standard
- Designed up to 72m height with heavy and medium loading
- Low diversity of separate members
- Wide variety of accessories that can be easily mounted at any stages
- Vertical rack feeders are connected to ladder which caused easy access

Accessories

- Working and rest platform
- Antenna Mounts
- Lightening protection kit
- Horizontal rack feeder
- Positioning template
- Lighting package

Documentation

- Packing list
- Installation manual
- Foundation drawing

Materials and Anchoring:

- All members are hot rolled angles (Legs ST52, Braces and plates ST37)
- Anchor bolts (Alli) used with leveling nuts and positioning template

Connections

- All bolts are 8.8 grade (DIN933) with flat, spring washers and nuts

Galvanizing

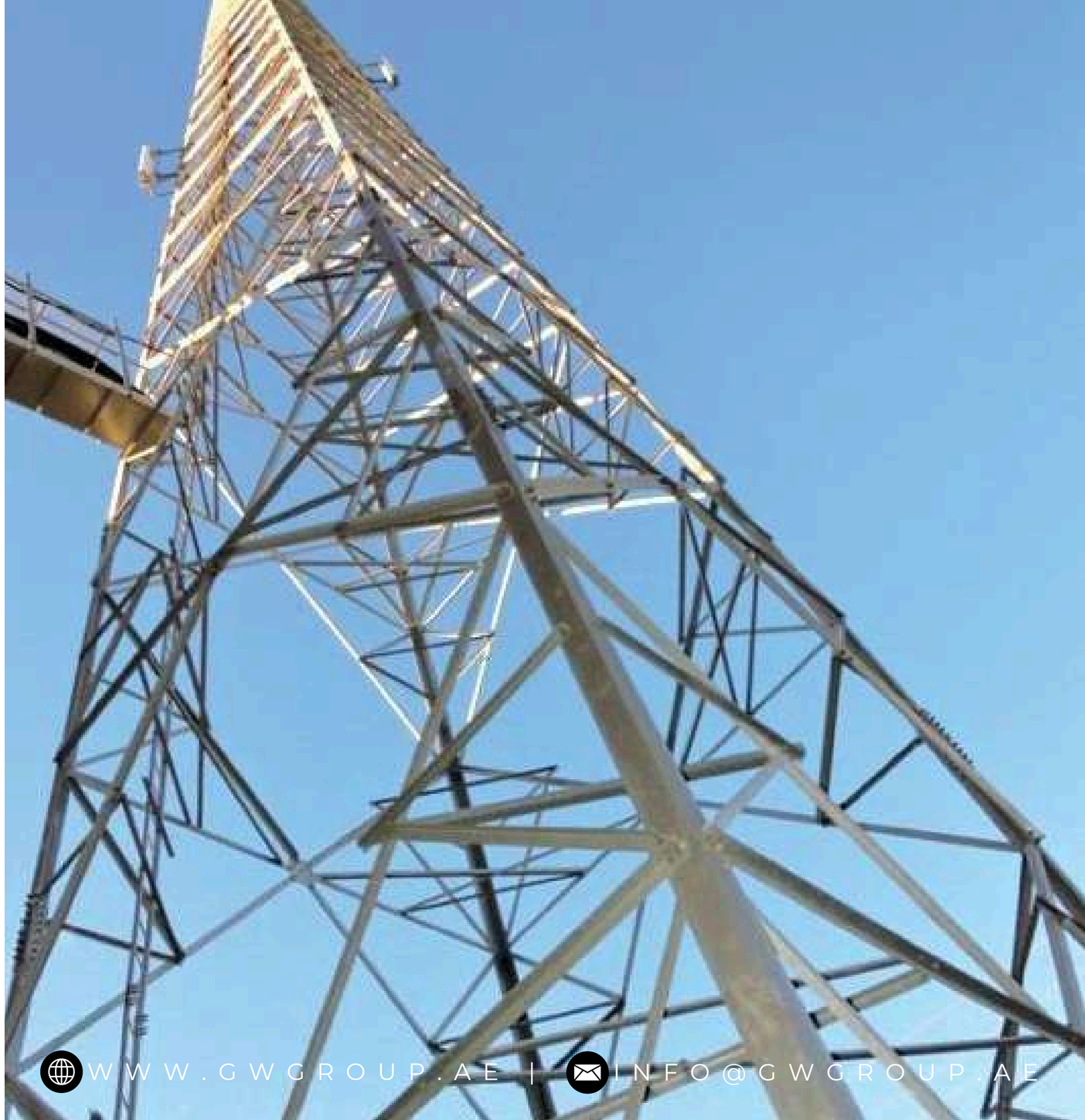
- All materials are hot-dip galvanized on ASTM A 123 standard

Ladder Construction

- Cage or open ladder with safety climbing line

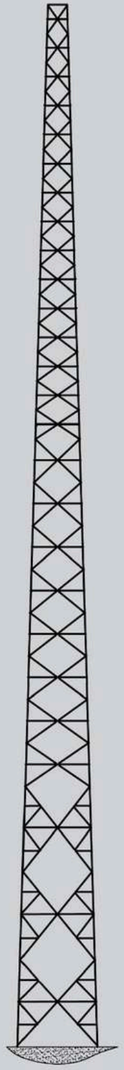
Technical Details

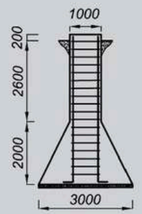
- SG tower designed for 120 km/h wind
- FPA of SG tower is 16~18m2
- Ice thickness is 12 mm



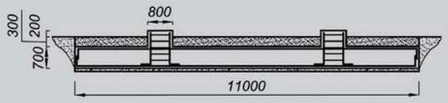
SG 72m Tower

Legs	L160x14	L150x14	L150x12	L150x12	L130x12	L130x10	L120x10	L100x10	L100x8	L90x6	L70x6	L70x5
Diagonal	L70x6	L70x6	L70x5	L70x5	L70x5	L60x5	L60x6	L60x5	L60x4	L50x4	L45x4	L45x4

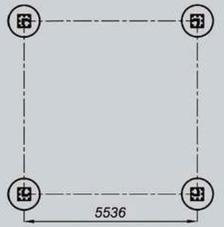




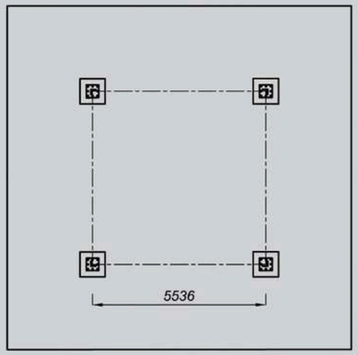
For Normal Soil



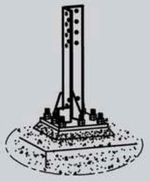
For Pour Soil



Top View



Top View

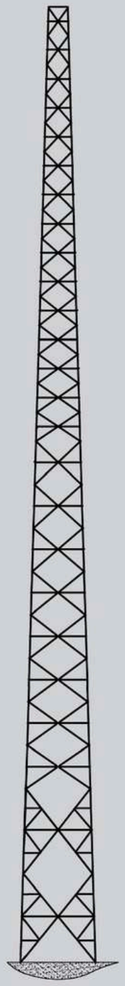


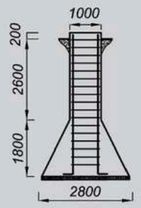
Foot 3D View

SG721 Tower				
Dimension		FPA (m^2)		
Top Width (mm)	Bott. Width (mm)	WIND120 (Km/h)	WIND130 (Km/h)	WIND160 (Km/h)
1400	5646	16	11.5	-

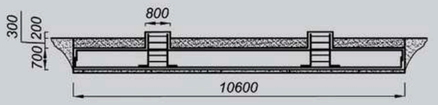
SG 66m Tower

Legs	L150x14	L150x12	L150x12	L130x12	L130x10	L120x10	L100x10	L100x8	L90x6	L70x6	L70x5
Diagonal	L70x6	L70x5	L70x5	L70x5	L60x5	L60x6	L60x5	L60x4	L50x4	L45x4	L45x4

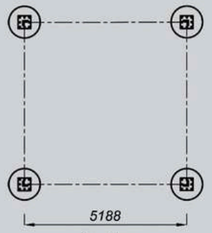




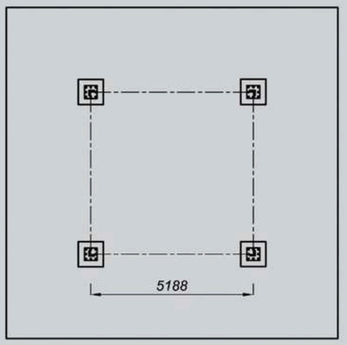
For Normal Soil



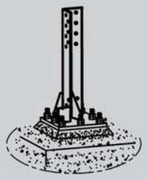
For Pour Soil



Top View



Top View

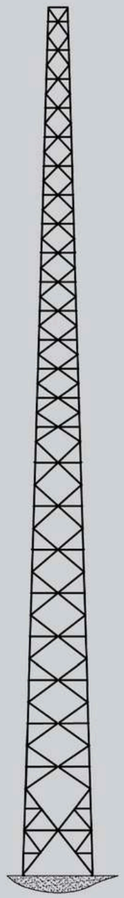


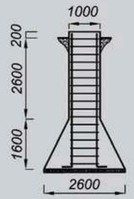
Foot 3D View

SG661 Tower				
Dimension		FPA (m^2)		
Top Width (mm)	Bott. Width (mm)	WIND120 (Km/h)	WIND130 (Km/h)	WIND160 (Km/h)
1400	5298	17	12.5	-

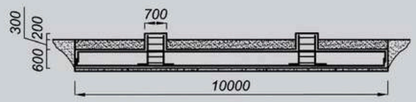
SG 60m Tower

Legs	L150x12	L150x12	L130x12	L130x10	L120x10	L100x10	L100x8	L90x6	L70x6	L70x5
Diagonal	L70x5	L70x5	L70x5	L60x5	L60x6	L60x5	L60x4	L50x4	L45x4	L45x4

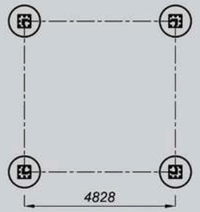




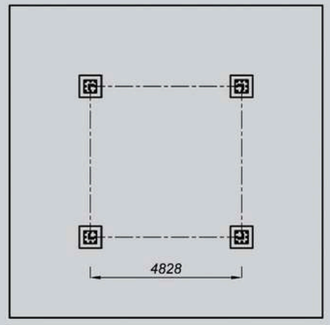
For Normal Soil



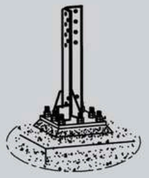
For Pour Soil



Top View



Top View

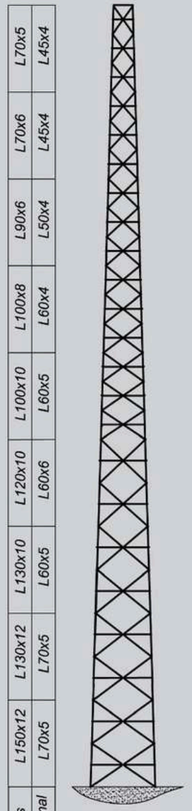


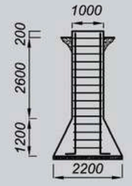
Foot 3D View

SG601 Tower				
Dimension		FPA (m^2)		
Top Width (mm)	Bott. Width (mm)	WIND120 (Km/h)	WIND130 (Km/h)	WIND160 (Km/h)
1400	4938	17.5	13.5	-

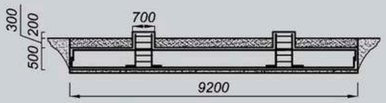
SG 54m Tower

Legs	L150x12	L130x12	L130x10	L120x10	L100x10	L100x8	L90x6	L70x6	L70x5
Diagonal	L70x5	L70x5	L60x5	L60x6	L60x5	L60x4	L50x4	L45x4	L45x4

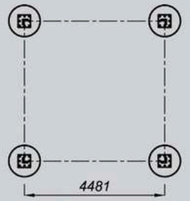




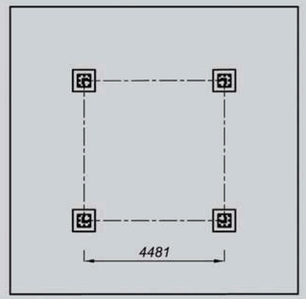
For Normal Soil



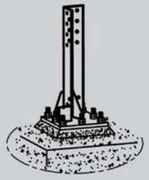
For Pour Soil



Top View



Top View

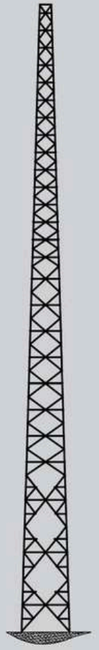


Foot 3D View

SG541 Tower				
Dimension		FPA (m^2)		
Top Width (mm)	Bott. Width (mm)	WIND120 (Km/h)	WIND130 (Km/h)	WIND160 (Km/h)
1400	4591	18.5	14.5	2.8

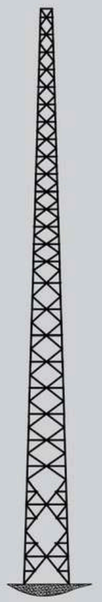
Tower's Load Capacity

Tower 72m



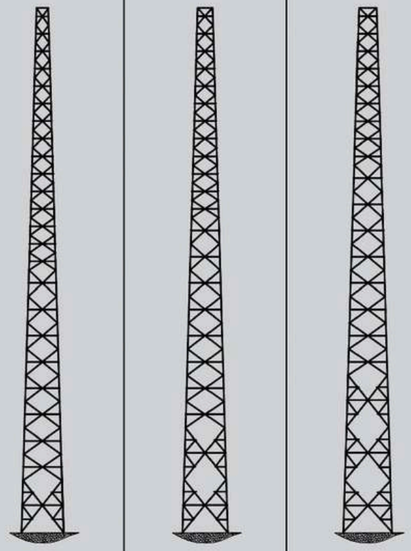
Top Width	1.4m
Bott. Width	5.64m
Tower Type	SG 721
Wind Speed (Km/h)	F.P.A (m^2)
110	20
120	16
130	11.5
160	-

Tower 66m



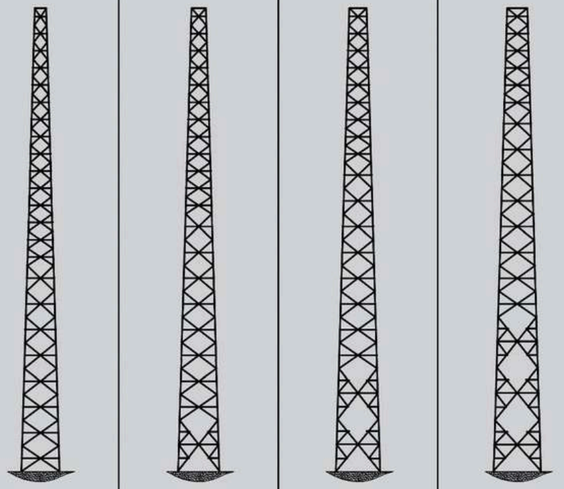
Top Width	1.4m	1.71m
Bott. Width	5.29m	5.64m
Tower Type	SG 661	SG 662
Wind Speed (Km/h)	F.P.A (m^2)	F.P.A (m^2)
110	21	34
120	17	25
130	12.5	19
160	-	-

Tower 60m



Top Width	1.4m	1.71m	2.06m
Bott. Width	4.93m	5.29m	5.64m
Tower Type	SG 601	SG 602	SG 603
Wind Speed (Km/h)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)
110	21.5	34.6	43.5
120	17.5	28.5	34.4
130	13.5	16	25
160	-	2	5.7

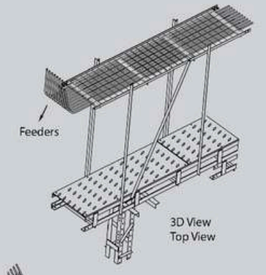
Tower 54m

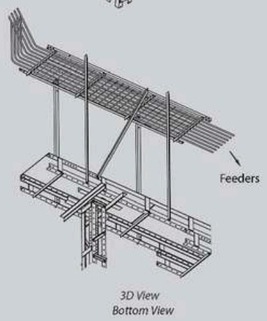


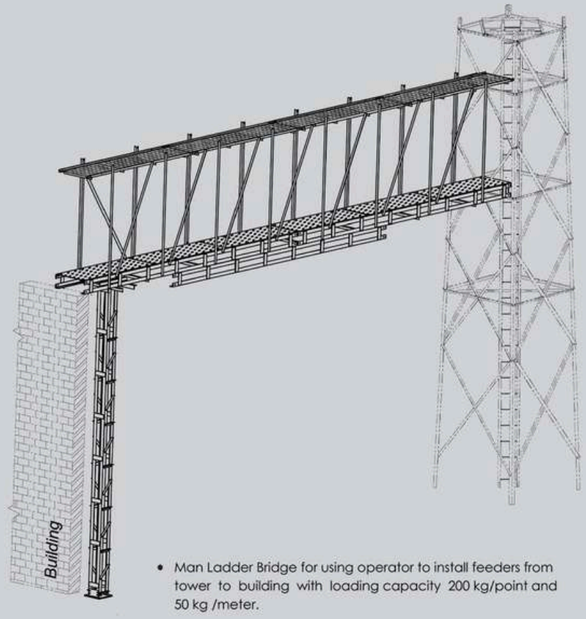
Top Width	1.4m	1.71m	2.06m	2.41m
Bott. Width	4.59m	4.93m	5.29m	5.64m
Tower Type	SG 541	SG 542	SG 543	SG 544
Wind Speed (Km/h)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)	F.P.A (m^2)
110	26	36.7	45	47
120	18.5	29.4	35	37.3
130	14.5	22	26	27.4
160	2.8	4.8	6.6	8

Accessories

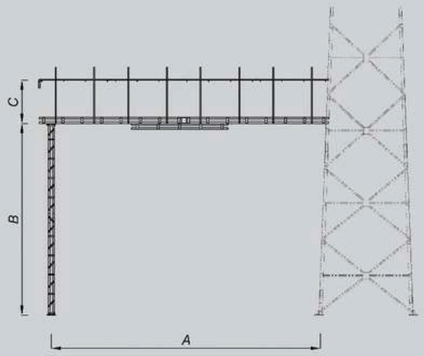
Man ladder



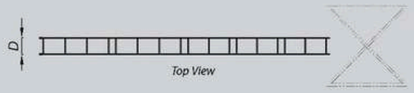




- Man Ladder Bridge for using operator to install feeders from tower to building with loading capacity 200 kg/point and 50 kg /meter.



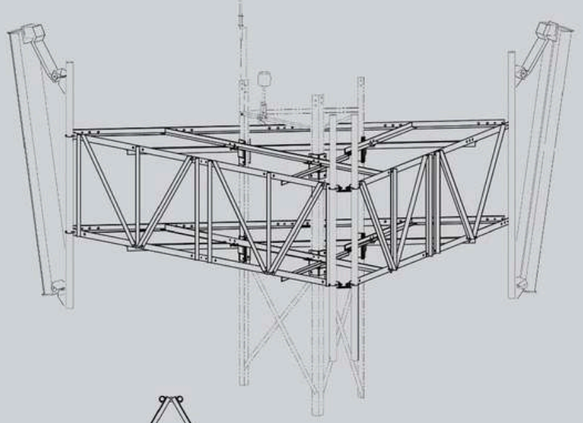
Front View



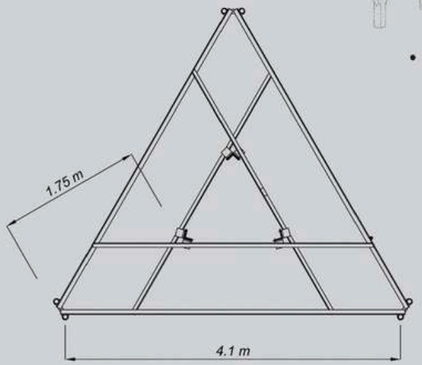
Top View

Man Ladder-Dimension (m)				
A	4	6	10	12
B	4	6	8	10
C	1.5	1.7	1.9	2.1
D	0.4	0.5	0.6	0.7

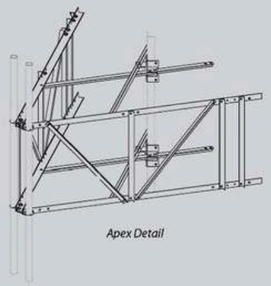
Structure

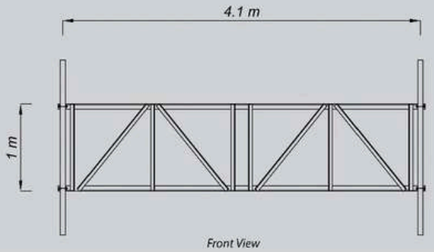


- Structure for GSM antennas usable for SA and SF towers



Top View


Apex Detail



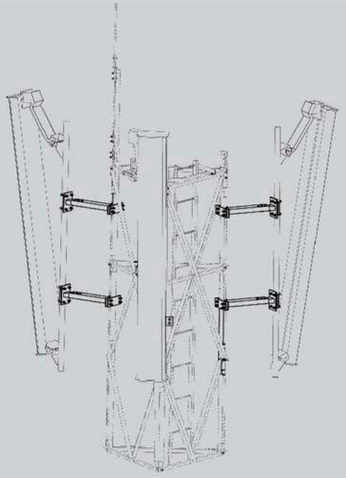
Front View

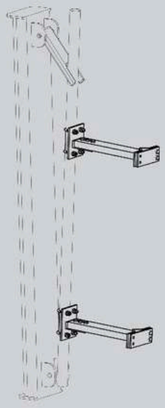
Antenna Pipe Size (mm)		
90	76	60

Antenna Pipe Lenght(m)		
3	2	-

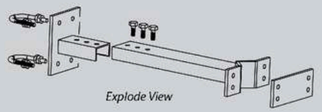
Accessories

Mounting

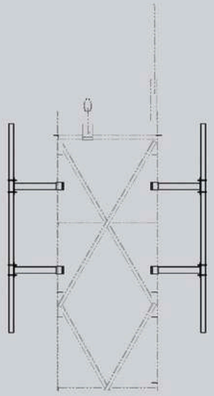




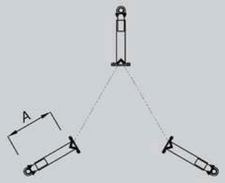
- Mounting with ability to install at different levels for any types of GSM, parabolic, UHF....antennas



Explode View



Front View



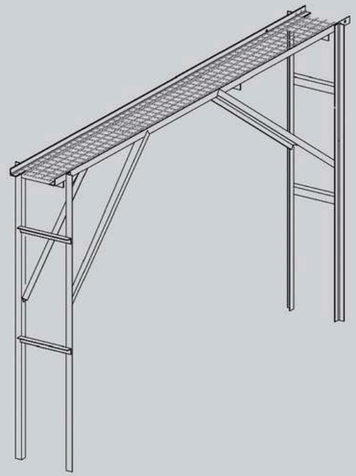
Top View

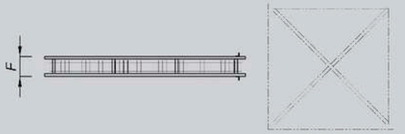
Xpole-Dimension (m)		
A	*0.55*	*0.5*

Antenna Pipe Size (mm)		
90	*76*	*60*

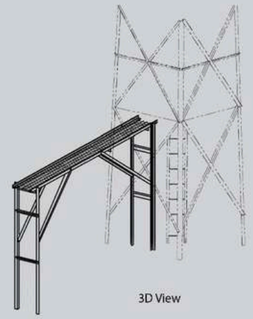
Antenna Pipe Lenght(m)		
3	*2*	*1*

Horizontal rack feeder

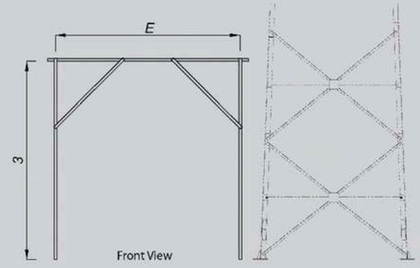




Top View



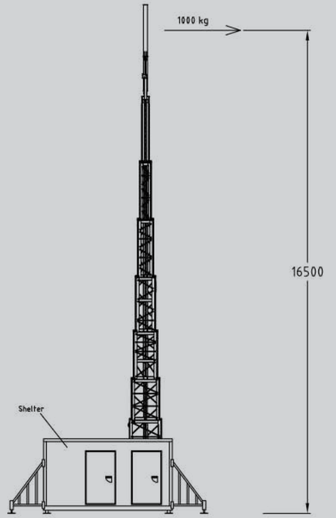
3D View

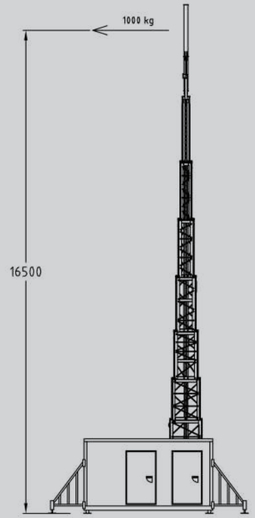


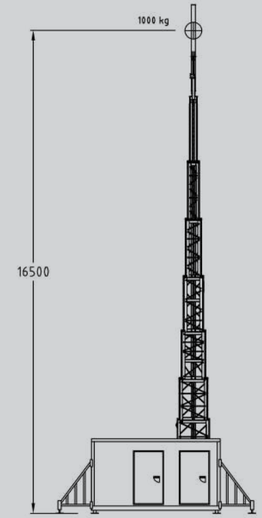
Front View

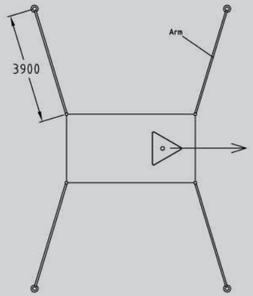
Rack Feeder-Dimension (m)			
E	*4*	*3*	*2*
F	*0.5*	*0.4*	*0.3*

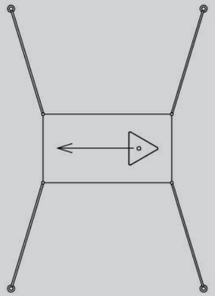
TELESCOPIC TOWER-SHELTER 18M FOR EMERGENCY SITES

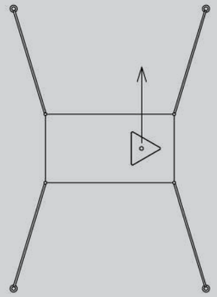








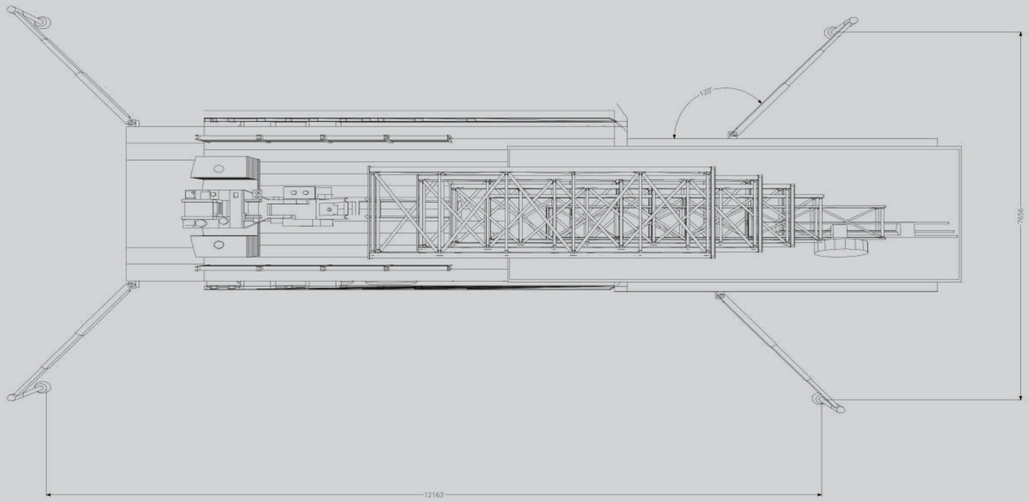




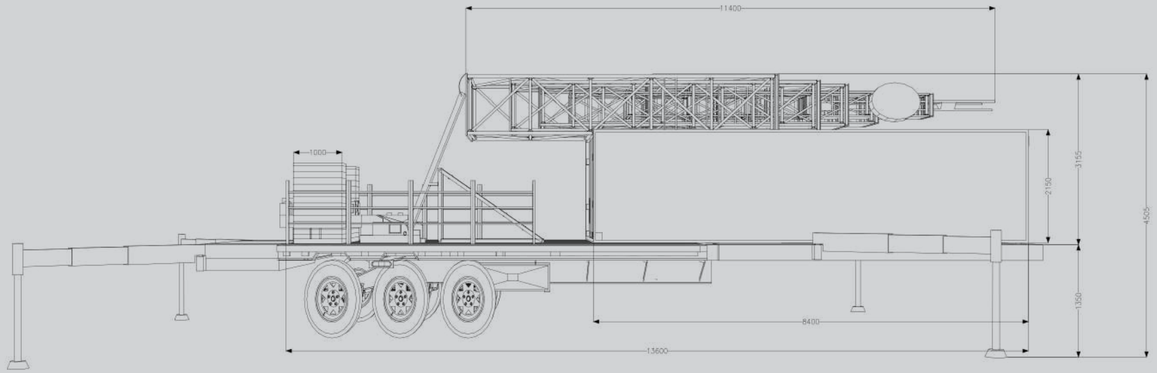
1 2 3

SATELLITE TOWER
3DVIEW

SATELLITE TOWER

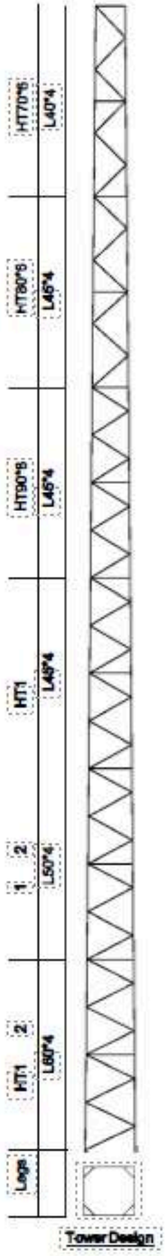


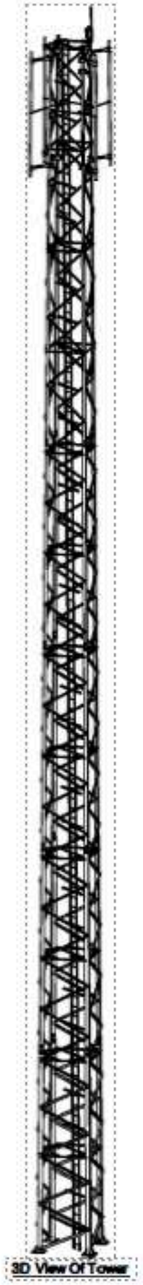
TOP VIEW

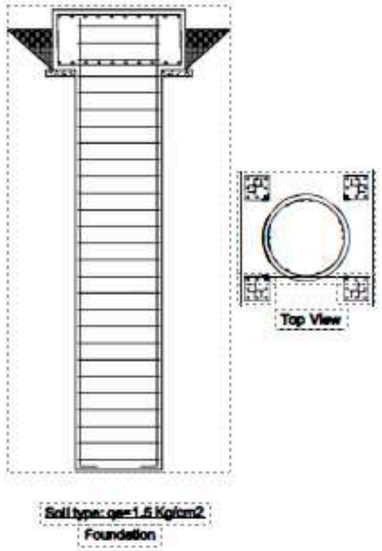


SIDE VIEW

Tower (SDI-36)



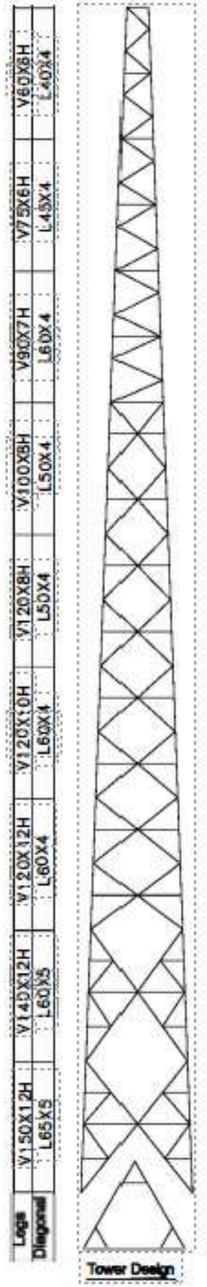


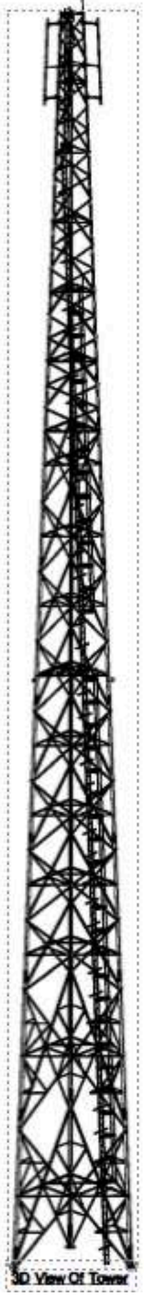


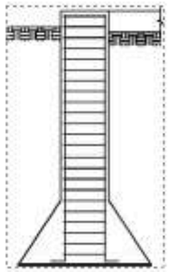
Specification:

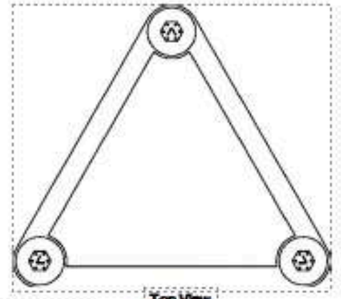
- -Standard Design : EIA/TIA-222-F
- -Height : 36m
- -Capacity: 11.5m² (FPA)
- -Survival Wind Speed : 130 km/h
- -Service Wind Speed: 110 km/h
- -Bott. Back to Back : 1.57m
- -Top Back to Back :1.0m

Tower With Fence(SIK-54)

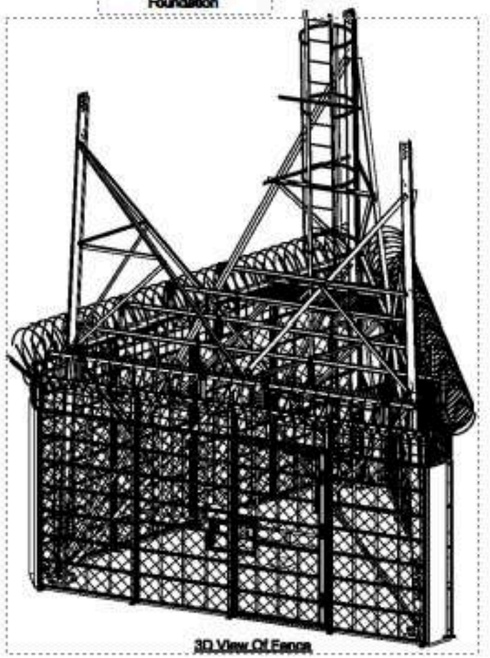








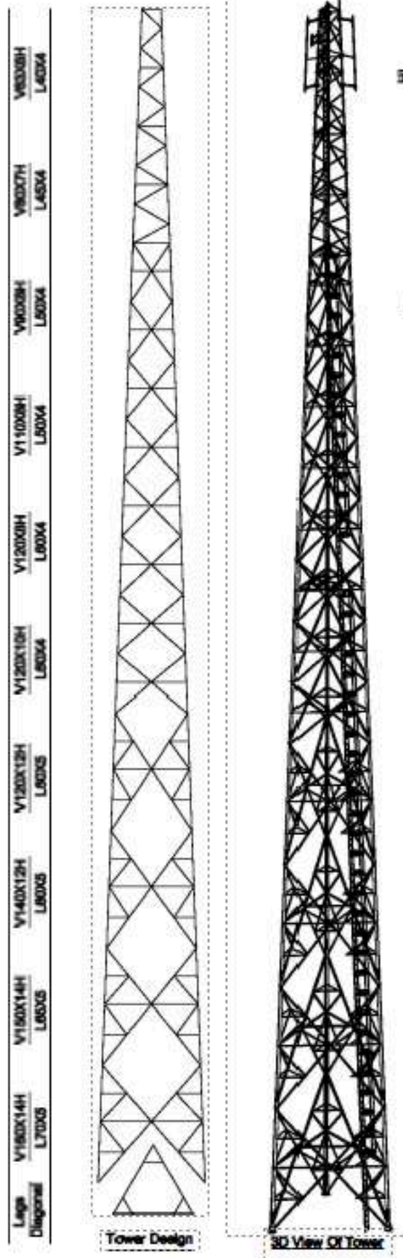
Soil type: qa=1.5 Kg/cm2
Foundation



Specification:

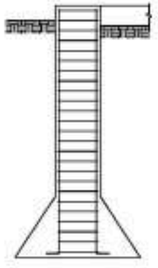
- -Standard Design :EIA/TIA-222-F
- -Height : 54m
- -Capacity: 9m² (FPA)
- -Survival Wind Speed : 130 km/h
- -Service Wind Speed: 110 km/h
- -Bott. Back to Back :5.05m
- -Top Back to Back :1.0m

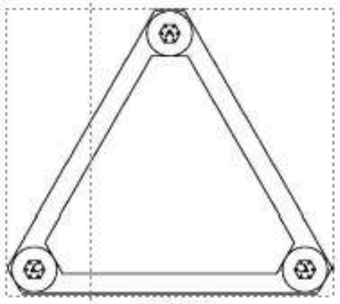
Tower With Fence(SIM-60)



Tower Design

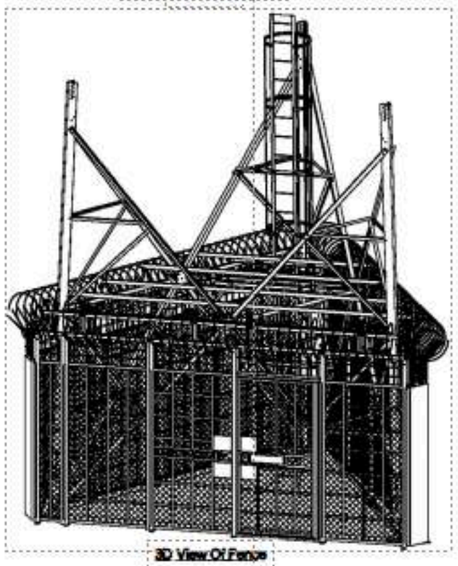
3D View Of Tower





Top View

Soil type: qa=1.5 Kg/cm2
Foundation

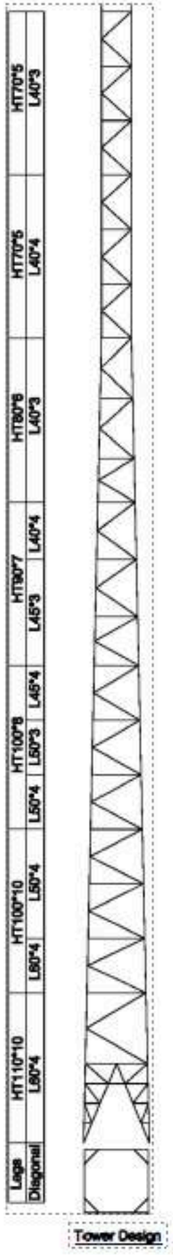


3D View Of Fence

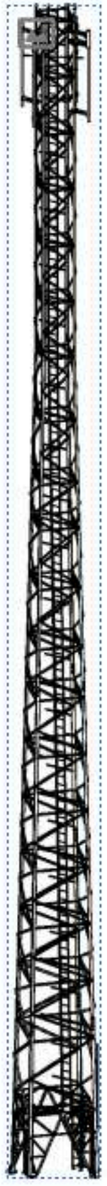
Specification:

-Standard Design :EIA/TIA-222-F
-Height : 60m
-Capacity: 9m² (FPA)
-Survival Wind Speed: 130 km/h
-Service Wind Speed: 110 km/h
-Bott. Back to Back :5.5m
-Top Back to Back :1.0m

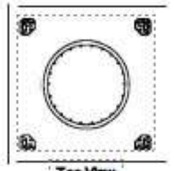
Tower With Fence(SUB-42)



Tower Design

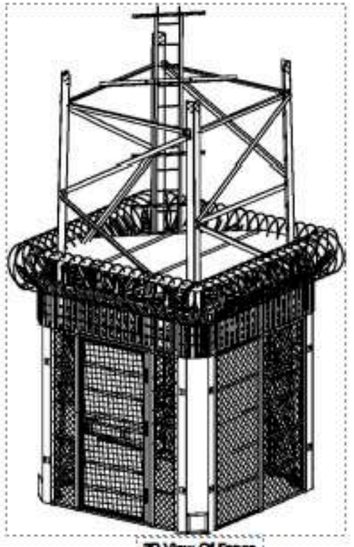


3D View Of Tower



Top View

Soil type: qa=1.5 Kg/cm2
Foundation

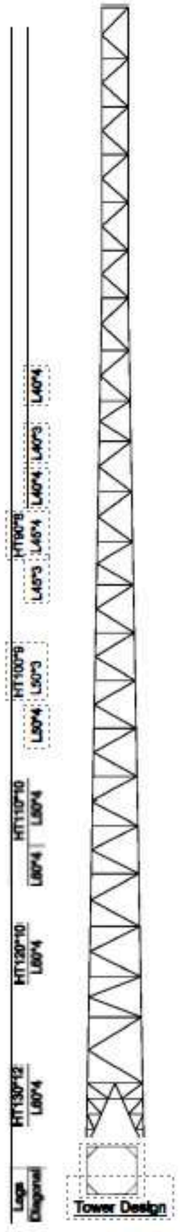


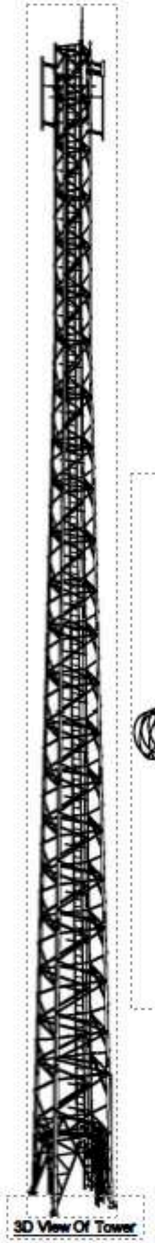
3D View Of Fence

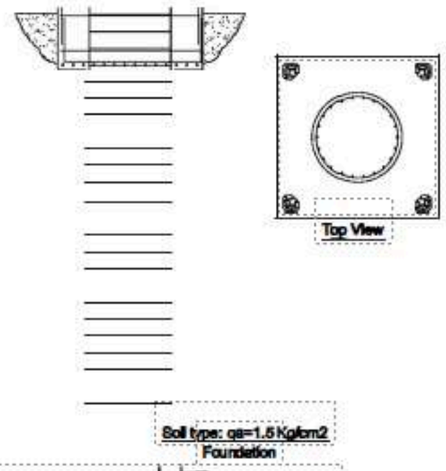
Specification:

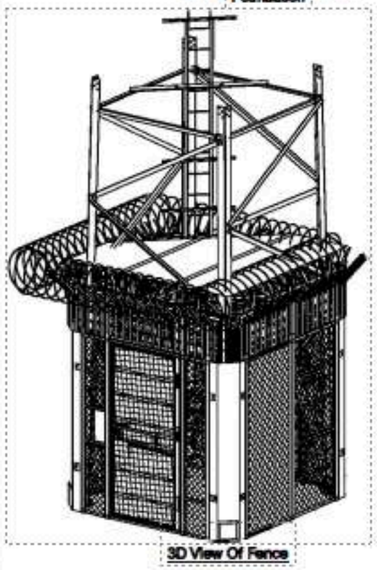
-Standard Design :EIA/TIA-222-F
-Height : 42m
-Capacity: 6m² (FPA)
-Survival Wind Speed : 130 km/h
-Service Wind Speed: 90 km/h
-Bott. Back to Back :2.428m
-Top Back to Back :1.1m

Tower With Fence(SUC-48)





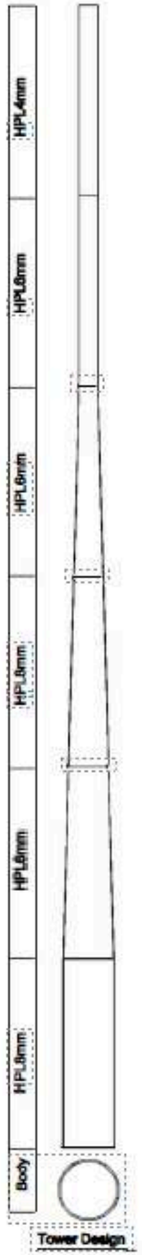


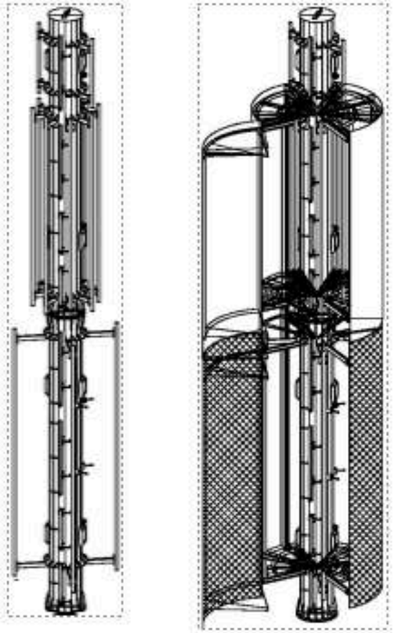


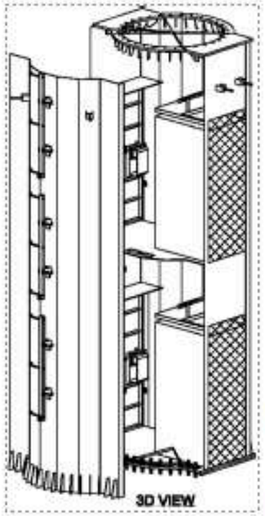
Specification:

- -Standerd Design :EIA/TIA-222-F
- -Height : 48m
- -Capacity: 6m² (FPA)
- -Survival Wind Speed : 130 km/h
- -Service Wind Speed: 90 km/h
- -Bott. Back to Back :2.432m
- -Top Back to Back :1.1m

Tower (TUS-36)



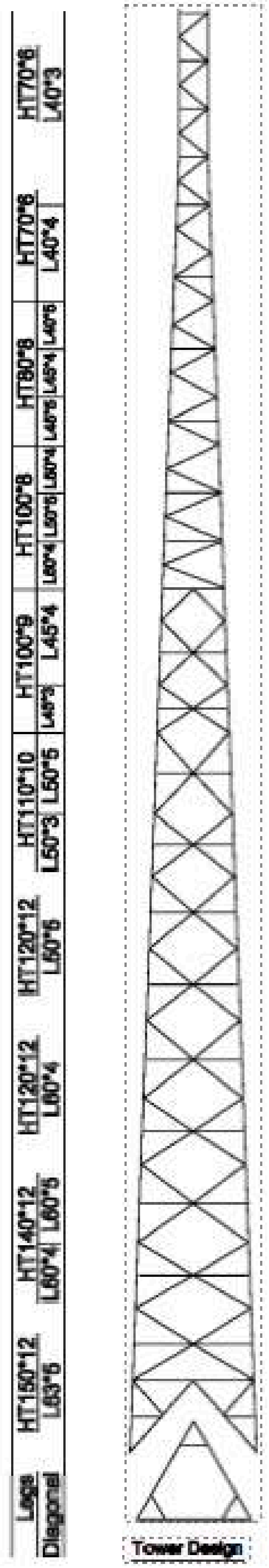




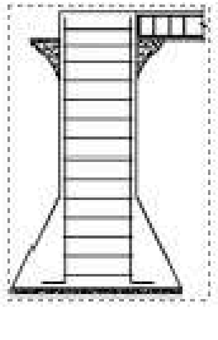
Specification:

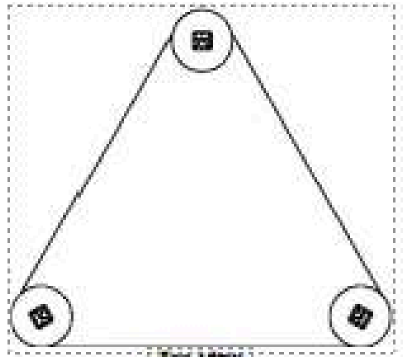
- -Standerd Design :EIA/TIA-222-F
- -Height : 36m
- -Capacity: 20m² (FPA)
- -Survival Wind Speed : 120 km/h
- -Service Wind Speed: 90 km/h
- -Bott. Back to Back :1.8m
- -Top Back to Back :0.8m

Tower With Fence (SQL(B)-60)



Tower Design

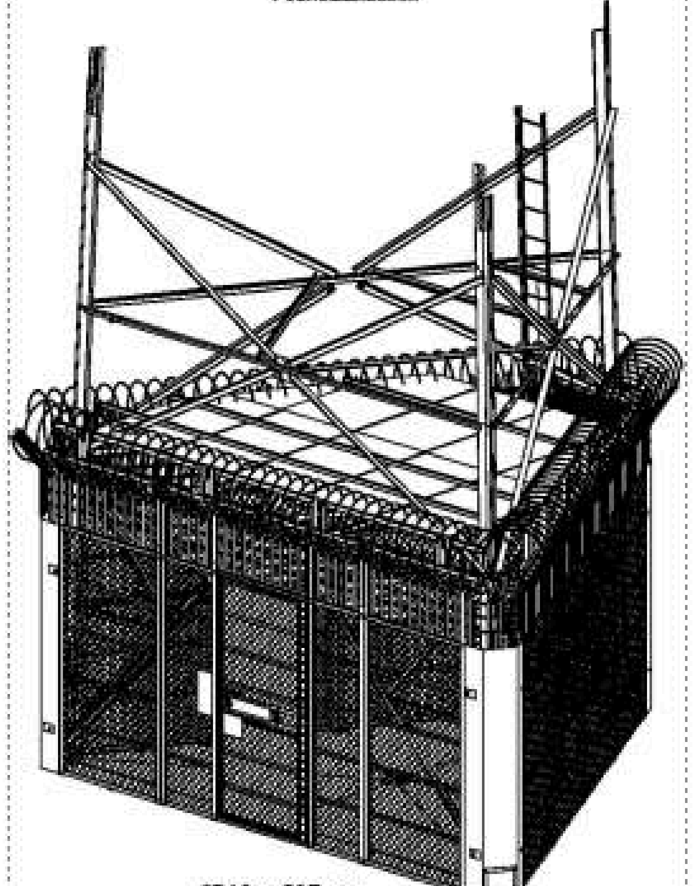




Top View

Soil type: qa=1.5 Kg/cm2

Foundation

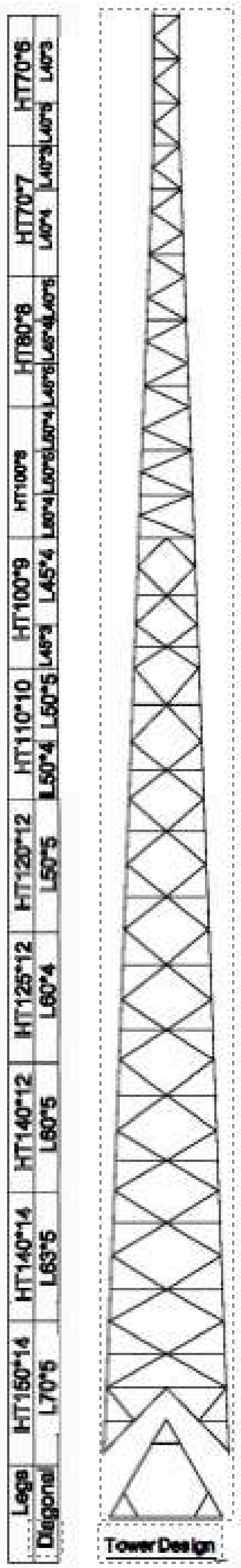


3D View Of Fence

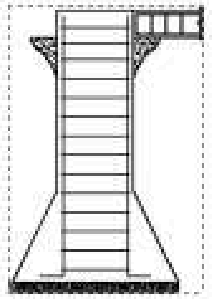
Specification:

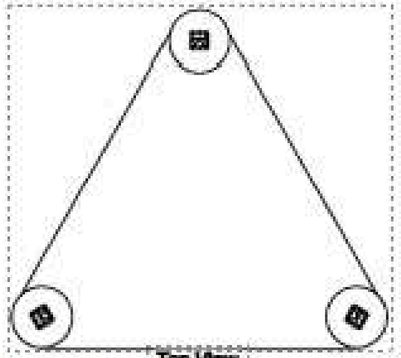
- -Standard Design : EIA/TIA-222-F
- -Height : 60m
- -Capacity: 6m² (FPA)
- -Survival Wind Speed : 130 km/h
- -Service Wind Speed: 90 km/h
- -Bott. Back to Back :5.25m
- -Top Back to Back :1.2m

Tower With Fence (SQL(B)-66)



Tower Design

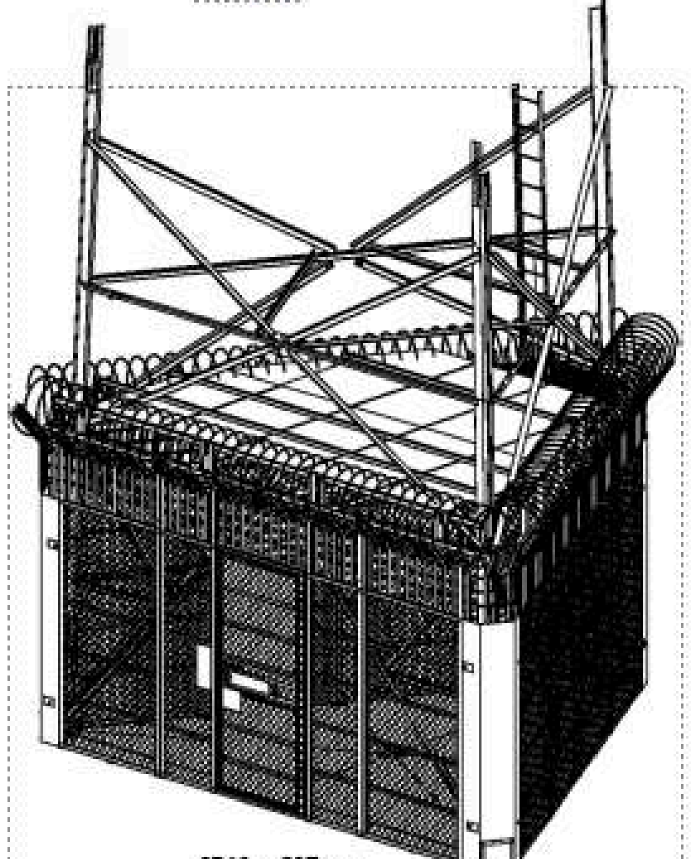




Top View

Soil type: qa=1.5 Kg/cm2

Foundation

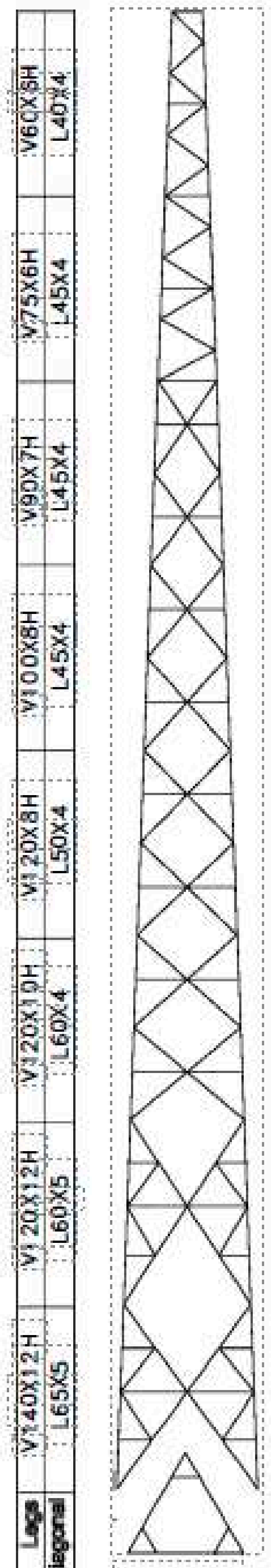


3D View Of Fence

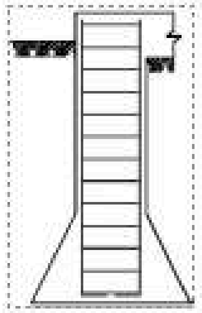
Specification:

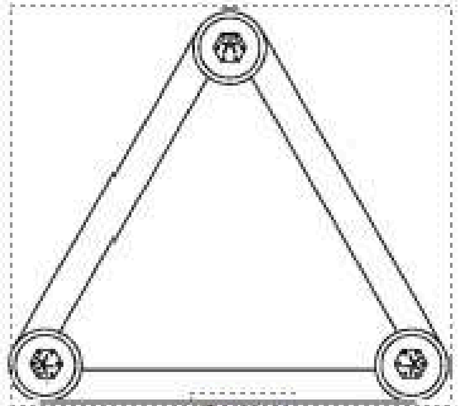
- -Standard Design : EIA/TIA-222-F
- -Height : 66m
- -Capacity: 6m² (FPA)
- -Survival Wind Speed : 130 km/h
- -Service Wind Speed: 90 km/h
- -Bott. Back to Back :5.7m
- -Top Back to Back :1.2m

Tower With Fence (SIP-48)



Tower Design

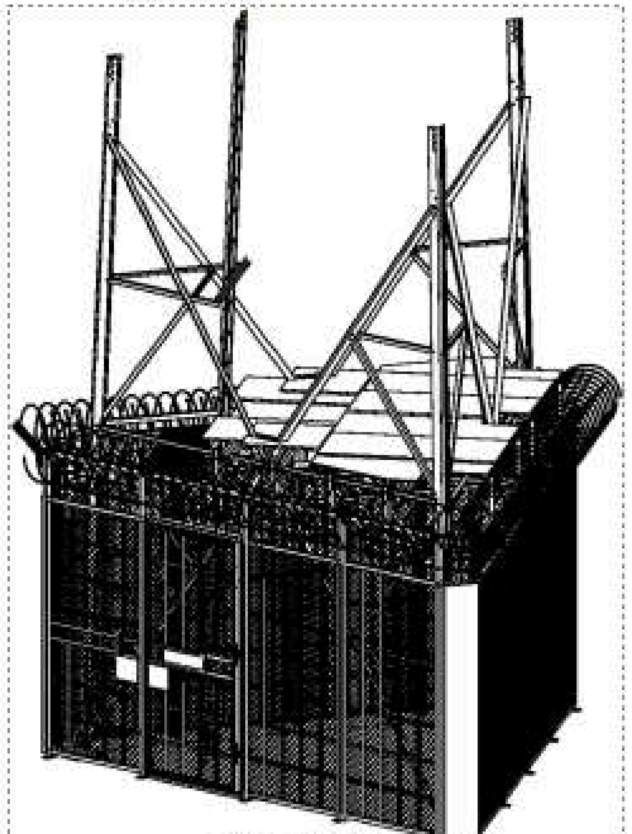




Top View

Soil type: qa=1.5 Kg/cm2

Foundation



3D View Of Fence

Specification:

- -Standard Design : EIA/TIA-222-F
- -Height : 48m
- -Capacity: 9m² (FPA)
- -Survival Wind Speed : 130 km/h
- -Service Wind Speed: 110 km/h
- -Bott. Back to Back :4.6m
- -Top Back to Back :1m

Design and Engineering

In the transmission line design section of Persian Sazeh Company, specialized experts use PLS CAD software and path survey data to optimally design the lines according to all scientific and execution standards, and design the list of structures for the lines...

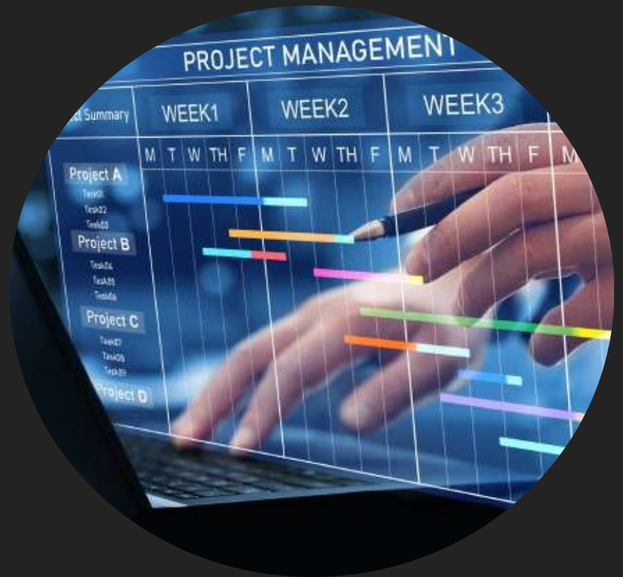
Equipment Procurement

Persian Sazeh Company has an infrastructure for providing electrical and telecommunication equipment, and with a specialized team composed of experts and specialists in these fields, provides the necessary equipment for projects in the field of transmission lines, high-voltage substations, and telecommunications after evaluating suppliers...

Execution Operations

Optimal design, providing equipment from the best brands worldwide, executing construction works according to modern standards, and using the best qualified teams in installation, testing, and commissioning have made high-voltage substations...

Project Planing and Control



Planning services based on the latest global standards

Engineering Document Control Center (DCC)

Coding of all engineering documents for all projects

Preparation and formulation of MDR

Sending and receiving all engineering documents and correspondence related to projects

Preparation of various progress reports for engineering documents of projects

Financial affairs and budget control for projects

Financial planning for projects

Monitoring of cash flow (revenues and expenditures related to the project)

Monitoring of project facilities and obligations

Preparation of administrative reports

Project planning and control affairs

Preparation of all documents related to planning and control of projects such as: WBS, CBS, Schedule ...

Monitoring of cash flow (revenues and expenditures related to the project)

Preparation of all weekly and monthly reports for clients

Delay notifications

Fields

POWER

Transmission & Sub-Transmission Substations
Transmission & Sub-Transmission Lines
Distribution Lines

Telecommunication And IT

Construction Of Telecommunications Sites
Construction Of Fiber Optic Networks

Construction Of Metal Structures

Production Of Hight-Voltage Power and Telecommunications Towers
Production Of Specialized Metal Structures

HIGH VOLTAGE SUBSTATIONS PROJECTS UP TO 400 KV

Executive operations in the construction part of the high voltage substations up to 400 KV level are as followings:

- ·Surveying, Geoelectrical and geotechnical tests executions
- Constructional operation including ground leveling, excavating and earthworks, constructing the cricuital wall,

constructing the control building, constructing the equipment foundation and executing the cable trench

- The instaling operation including the operation of the earth system, performing the gantry structures, performing

the aerial bus bar, instaling the enclosure equipment, instaling LV and MV panels and cabling

- Testing and launching operation

Optimum design, providing the equipment from the best brands of the world, executing the constructional

operations based on the updated standards and employing the most practiced instalation, test and launching

groups have caused the constructed high voltage substations by this company to have the highest quality and

provide the satisfaction of the employers.

AERIAL TRANSMISSION LINES UP TO 400 KV & UNDERGROUND

Transmission Lines Up to 230 KV via Dry XLPE Cable

Executive operations in the construction part of the aerial transmission lines from the voltage level of 20 KV up to 400 KV contain all the following activities:

- Surveying operation, survey check and taking profile from transmission lines route via aerial and ground methods.
- constructing the foundation including excavation, reinforcement and concreting
-The tower installing operation including sorting, montage and installation
-The wiring operation including the wiring of the conductor and shield wire
- OPGW optical fiber cabling operation

Also the underground cabling up to 230 KV in burial method and constructing cable tunnel and energy transmission in ground method between two points is also considered as one of the most important operational activities of this company in power transmission lines department.

TELECOMMUNICATION SITES

The telecommunication projects department in Persian sazeh company is considered as one of the main pillars of this company. Constructing telecommunication sites with equipping three legged or four legged masts and monopole by super heavy loading and up to the height of 150 meters is counted as one of this department's abilities. The successful construction of the most important and the most strategic Iran's telecommunication and defensive sites is recorded as golden sheet in this company's history.you can count the construction of ground optical fiber lines as one of the other telecommunication projects that persian sazeh company is responsable for, which will be used in improving the band width and icreasing the capacity of telecommunication lines. Also beautifying the instaled telecommunication masts in all over the cities is one of the this company's specialties witch has been accomplished for a number of mobile operators by now.

SOLAR POWER CONTRACTOR IN THE CONTEXT OF EPC
SOLAR STRUCTURE MANUFACTURER

Feasibility study **Design and engineering** **Equipment provider** **Execute and installation**

Equipment supply and execute

With the approval of the company's Research and Development Unit, Eddlux Company has taken steps to provide world-class equipment in the field of solar power plants and other areas of energy systems and power plant intelligence, in order to increase the lifespan of the systems, in order to minimize the cost of maintaining the systems and maximize their lifespan and quality by providing the best solutions.

Design and calculations

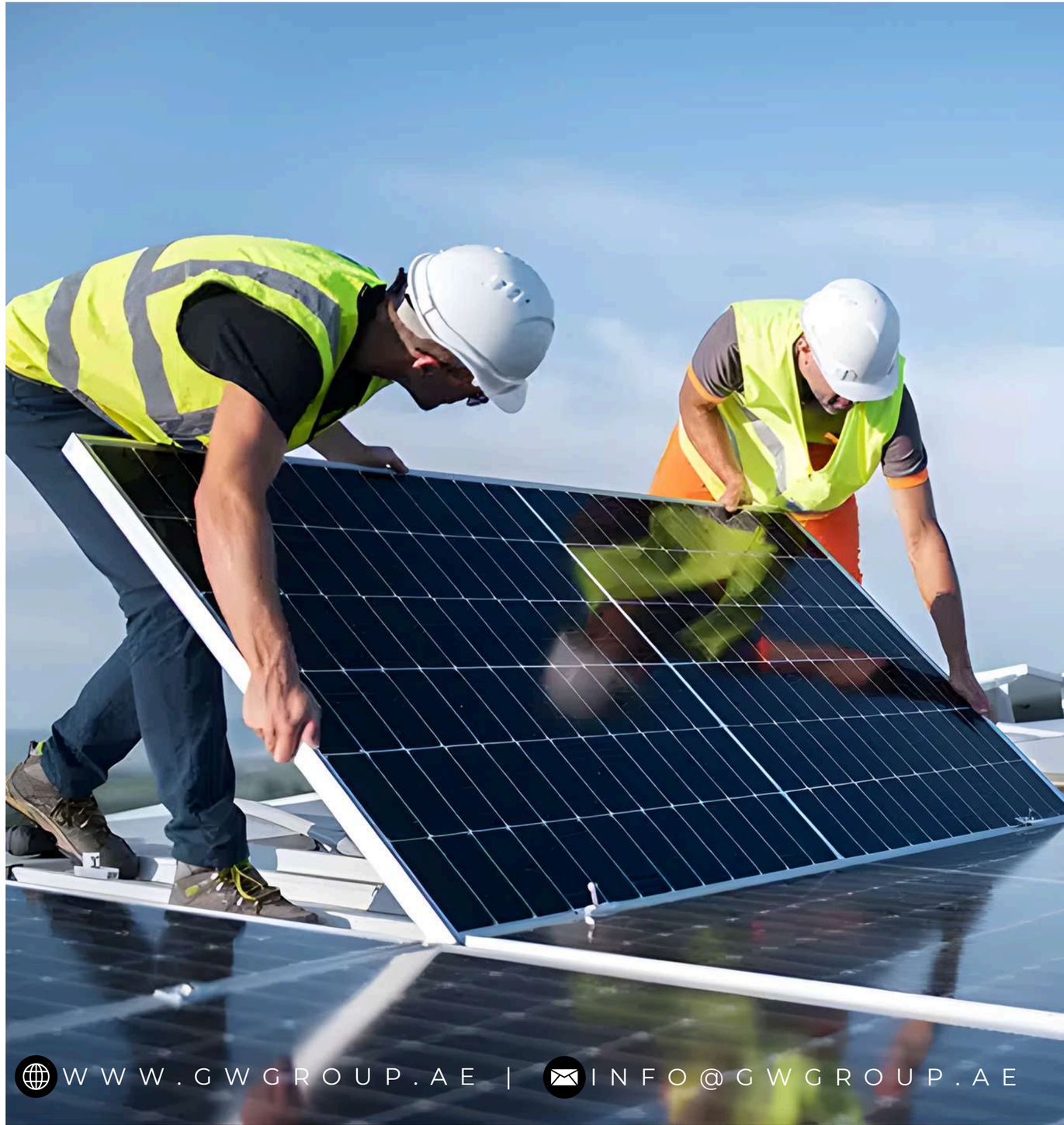
Using the most up-to-date engineering calculation software in the field of solar power plants, Eddlux engineers calculate and design systems precisely according to the needs of the employers and define the system requirements for maximum efficiency and system longevity.

Free visit and consultation

In addition to providing free technical inspections of all economic projects of solar power plants and other energy sectors, Eddlux Company has also provided an economic analysis of the project to clearly identify the necessity and justification of the system for employers.

DESIGN AND CONSTRUCTION SOLAR PANEL STRUCTURES

Eddlux Company, utilizing the experiences of its engineers and designers in designing solar panel structures and using its factory capacity, has begun producing various types of solar panel structures with megawatt production volumes and capacities for various industrial projects.



CATHODIC PROTECTION

Eddlux, backed by technical expertise and a skilled team,is ready to deliver services in the field of cathodic protection. Our goal is to provide effective and reliable solutions to protect underground structures and equipment from corrosion, thereby increasing their service life.

What is Cathodic Protection?

Cathodic protection is a method used to prevent corrosion and deterioration of metal structures in underground or marine environments. These systems create a negative potential on the metal surface, halting or slowing down the corrosion process.

>> The main methods of cathodic protection include:

Use of impressed current power supplies
Installation of sacrificial anodes for pipelines, tanks, and structures
Regular testing and monitoring to ensure proper system operation.

>> Why ChooseEddlux

Experienced and expert team specialized in cathodic protection
Use of modern equipment and the latest technologies
Commitment to quality and customer satisfaction

Fast project execution

Competitive and afordable prices

Eddlux is always ready to provide high-quality, timely services in cathodic protection projects. Our aim is to safeguard your investments and extend the lifespan of your equipment.

THE MOST IMPORTANT ACTIVITIES OF EDDLUX COMPANY ARE AS FOLLOWS:






Constructing high voltage electrical substations as EPC and turnkey projects

Designing and executing electricity power transmission lines as PC and EPC projects and resolving power transmission lines interference.

Designing and executing cabling projects up to 230 KV

Designing and constructing telecommunication and power transmission lattice and mono pole towers.

Designing and executing projects of converting airline to underground cable for the purpose of maintaining line clearances.

Designing and executing telecommunication turnkey projects.

Network studies and obtaining high voltage industrial electricity utility.

Construction of renewable (solar , wind , ...) power plant an EPC turnkey.

Designing and executing (SVC , STATCOM) as EPC turnkey Projects.

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