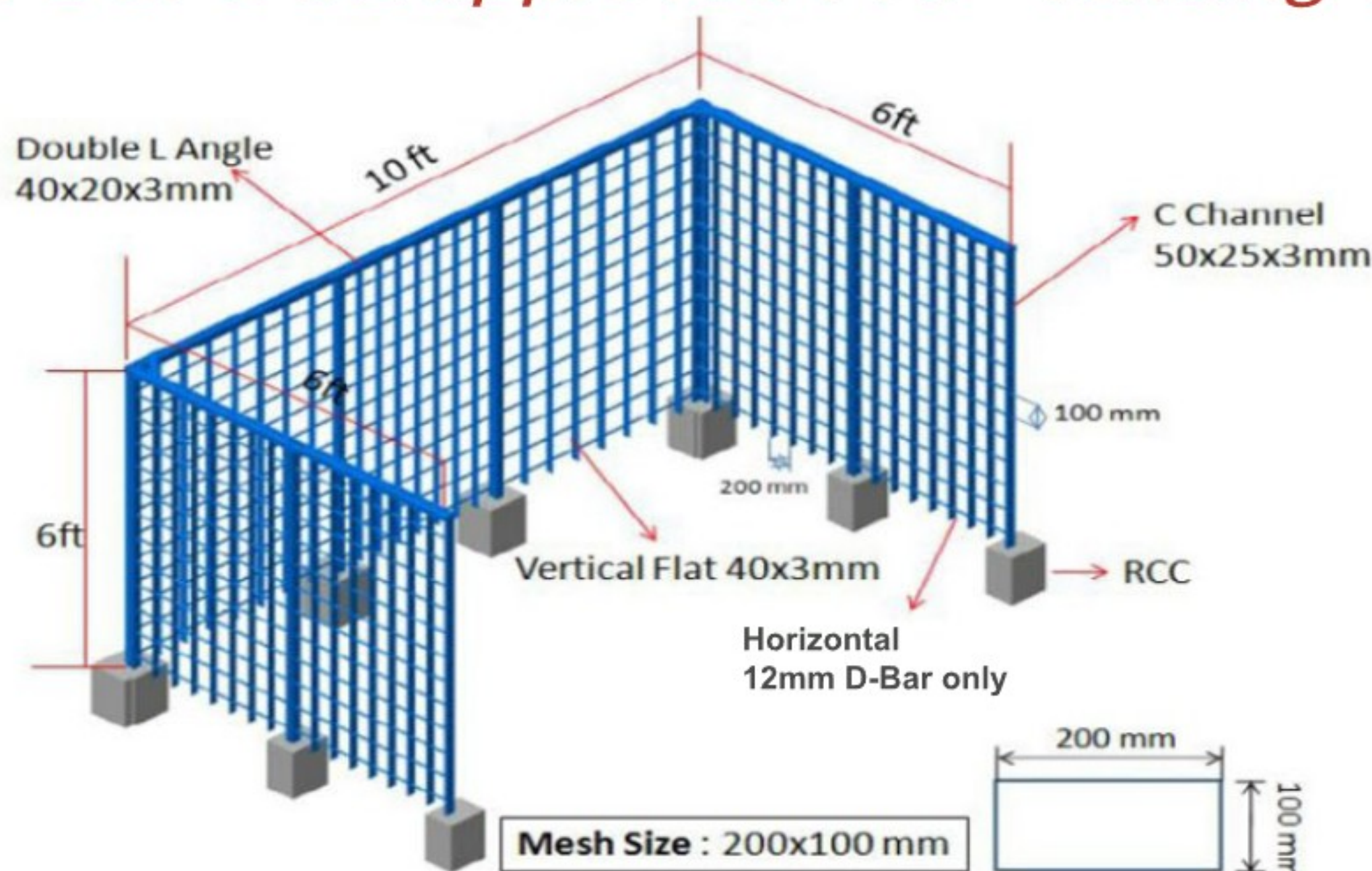


FRP (FIBER REINFORCED POLYMER) FENCING FOR PUBLIC EXPOSED TRANSFORMERS

(TGSPDCL approved FRP fencing system with SSR CODE 25555)



SPECIFICATIONS:

Supply and installation of Fencing for Transformer using FRP Profiles made of ISO resin system in Pultruded process. The following sections are used in construction of fencing with mesh size: 200mm X 100mm.

1. C-Channel-50mm x 25mm x 3mm
2. L-Angles 40mm x 20mm x 3mm
3. Flat 40mm x 3mm
4. D-Bar-dia.12mm

- Standardized panels of 3ftx6ft and 4ftx6ft are used as a combination to achieve required dimensions of fencing length and width.
- Foundation will be made as 1cu. ft. at each junction of the panels using M10 grade concrete material.
- Number of foundations are achieved as (Num. of panels used+1) And 1no of FRP door, with locking system.

FEATURES:

- Modular type design.
- Various fencing sizes possible with combination of Standard height of 6 feet (on special cases 5 ft, 4 ft height available) with 4ft, and 3 ft width prefabricated panels.
- Easy Installation on any type of site conditions.
- Installation with minimum tools (no special tools needed).



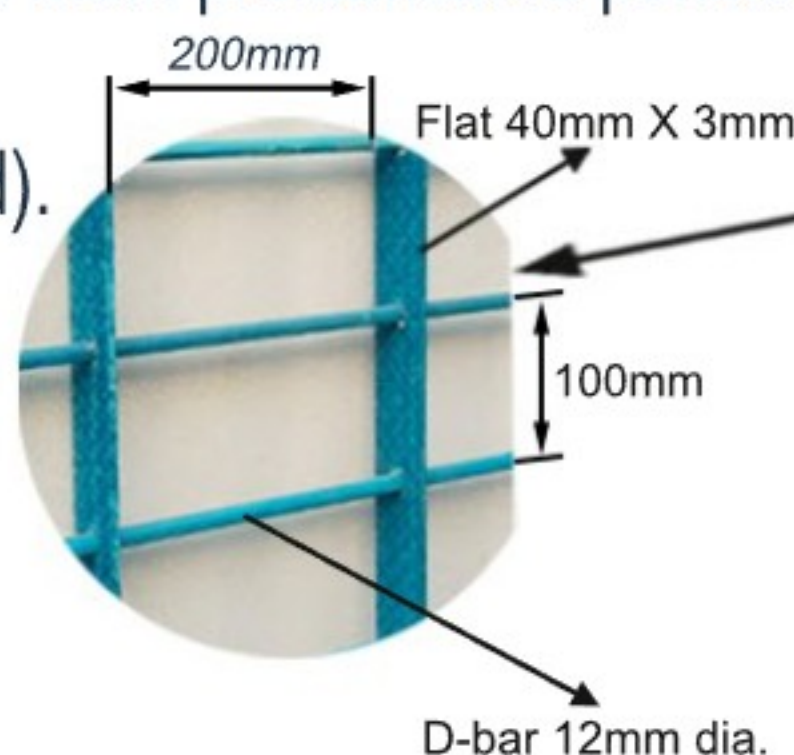
Panels are strong enough to withstand weight of a person in case of emergency usage.



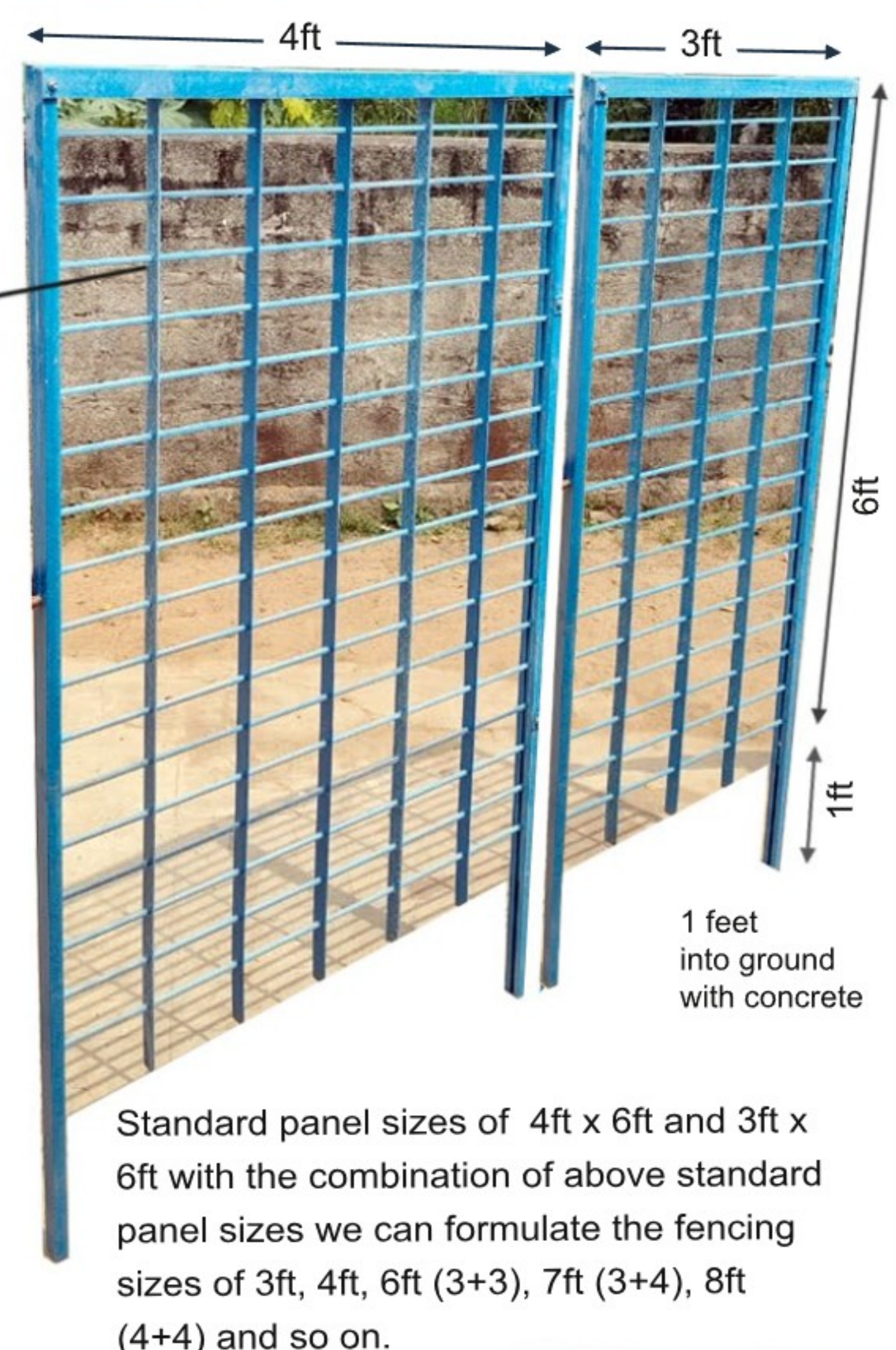
Joining of panels



Gate with Locking System



Fixing method of panels in right angle



Standard panel sizes of 4ft x 6ft and 3ft x 6ft with the combination of above standard panel sizes we can formulate the fencing sizes of 3ft, 4ft, 6ft (3+3), 7ft (3+4), 8ft (4+4) and so on.

Comparison: FRP vs Metal

PROPERTY	FRP (FIBER REINFORCED PLASTIC)	METAL
ELECTRICAL CONDUCTIVITY	Complete Insulator Safe from shocks ⚡	Conductive Shock-prone
MAINTENANCE	No maintenance required in its lifetime	High maintenance cost
CORROSION	No corrosion throughout its lifetime	Highly corrosion-prone Requires regular painting & maintenance
LIFE OF MATERIAL	Very long life: up to 15-30 years	Very short life (less than 1 year) without maintenance
STRENGTH	High strength-to-weight ratio	Lower strength-to-weight ratio
WEATHER RESISTANCE	Excellent weather resistance in all seasons	Prone to corrosion, especially in wet and salty conditions
PAINTING	Inbuilt color No need for painting	Requires frequent painting Prone to corrosion without it
THEFT	No resale value - not prone to theft	Has resale value - theft risk
COST (LIFETIME)	Very low due to minimal maintenance	High due to frequent upkeep
INSTALLATION	Lightweight = Easy to install	Moderate difficulty due to heavier weight
AESTHETICS	High aesthetic flexibility	Moderate aesthetics

REFERENCE INSTALLATIONS



PATIGADDA



MINISTER ROAD



KHAIRATHABAD



**2BHK GOVT APARTMENTS
THUMUKUNTA**



PRAGATHI NAGAR

Call for more information:

08143000502



08142310000

TEAM ONE COMPOSITES PVT. LTD.,

22/A, 23/A, 24/A SV Co-Operative Society,
IDA Bollaram, Bachupally,
Hyderabad – 500090,
Telangana State, India.

Email: info@teamonecomposites.com

Website: teamonecomposites.com



Scan to find location
of material availability

Team One
composites