



شركة حديد
التقنية العليا
HITECH
STEEL INDUSTRIES

HiWeld 2D868 Plus™

DOUBLE WIRE RIGID MESH SYSTEM

1

Easy fixing security clips

2

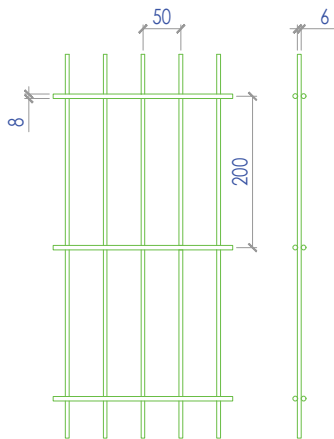
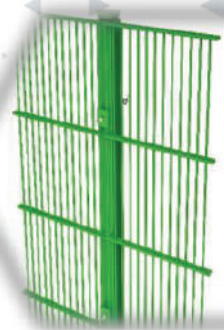
30 mm projecting spikes

3

Fully resistant welded joints

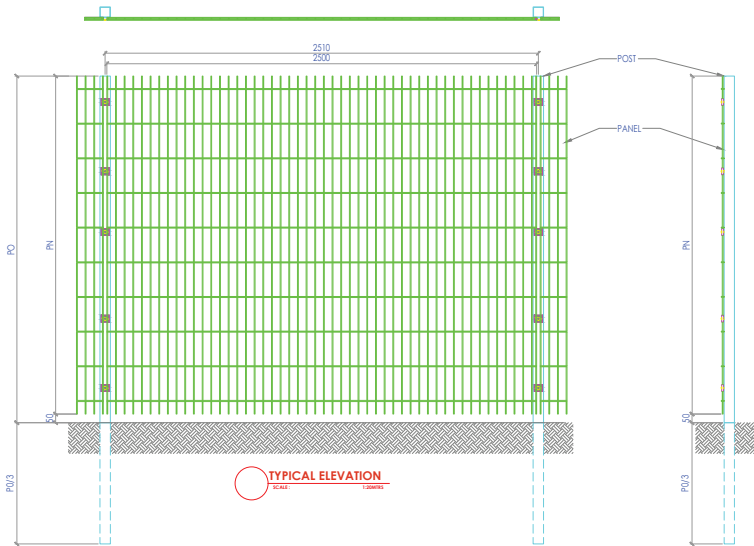
4

Galvanized and Polyester Powder Coated



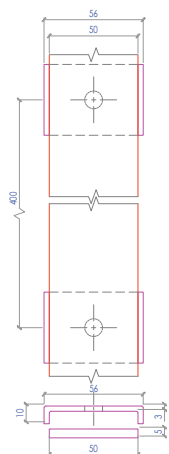
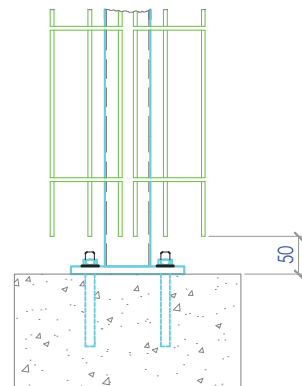
MESH DETAIL

SCALE: 1:10MTRS



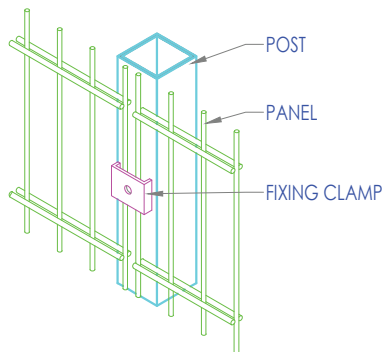
TYPICAL ELEVATION

SCALE: 1:10MTRS



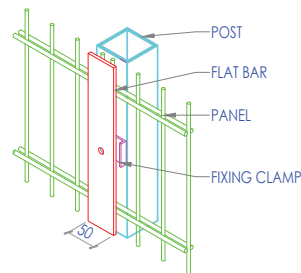
FIXING CLAMP DETAIL

OPTION 1



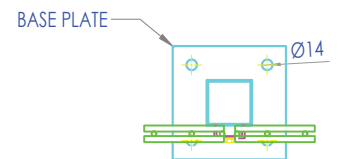
ISOMETRIC VIEW

OPTION 1



ISOMETRIC VIEW

OPTION 2



BASE PLATED

OPTIONAL

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FINISH

- Hot dip galvanized to BS EN ISO 1461 as standard
- Hot dip galvanized and powder coated to BS EN 13438
- Marine coat for installations within 500m of salt water or an estuary



SUITABLE

- Industrial & Commercial Buildings
- Industrial & Public Buildings
- Schools & play grounds
- Data Centers
- Public Buildings
- MOD Sites
- Police Stations & Secure Units



FEATURES

- Mesh Apertures is about 200x25mm.
- Double wire mesh panels.
- Vertical Apertures is 25mm.
- Privacy Screen Compatible For enhanced security and privacy.
- Full-length Clamp Bar.
- Sheardrive Fixings.
- Anti-climb Design.
- Height can be reached Up to 6 meters.
- Full range of RAL colors.
- Customizable Posts For barbed wire, razor wire, or Rota Spike.
- Installation Flexibility with Base plate, wall fixing plates, or cranked posts.
- Double 8mm horizontal wires and 6mm vertical wires.
- Can be stepped for sloping ground.
- Rigid Construction.

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DOUBLE WIRE RIGID MESH SYSTEM



The HiWeld 2D868 Plus™ is one of the strongest and most impenetrable rigid wire mesh fencing systems on the market. The HiWeld 2D868 Plus™ double wire mesh panel system is a hugely popular perimeter choice when high security is necessary. It comprises three major elements: Posts, Panels, and Fittings.

Posts

HiWeld 2D868 Plus is designed to secure properties of varying scales, with its name inspired by its hollow steel posts. These posts come in measurements of 40x40mm, 60x60mm, or 50x100mm, depending on the fence's height, providing the necessary strength to withstand pressure and force. The posts determine the fence's length and offer several mounting options:

- Over-length set in the ground
- Base plated for bolting onto concrete
- Cranked for wall mounting
- Covered with a plastic cap on top
- Extended with a 45-degree crank on top
- Extended with a double (Y) crank on top

Panels

The mesh between the posts is known as a panel. These mesh panels feature a flat profile with double horizontal wires of 8mm diameter and single vertical wires of 6mm diameter, welded at intersections spaced just 25mm apart. This dense double wire fencing is extremely difficult to cut through, providing a high level of security. The standard panel heights are 950mm, 1450mm, and 1950mm, and can be stacked to create a fence up to 6000mm high.

To enhance security and prevent climbing, options include:

- 30mm projecting spikes
- 3 or 6 barbed wires
- 3 or 6 barbed wires with a concertina role

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The tensile strength of the wires is a minimum of 500 N/mm², with the welding strength at least 50% of the total tensile strength of the wire, in compliance with EN 10223-7.

Fittings

The system uses rigid 40x50mm metal clips or 50x5mm flat bars along the full length of the post to secure the welded steel mesh panels. These fittings are bolted every 400mm using 8mm diameter round head bolts.

Gates

Matching single leaf and double leaf gates are available for the HiWeld 2D868 Plus™ fencing system. These gates come with a variety of opening mechanisms and can be manually or automatically operated.

PANEL DIMENSIONS	DETAILS
Panel Height	950,1450,1950 mm (Can stacked above one another to deliver up to 6000 mm high fence.)
Panel Width	2500mm
Mesh Size	200 x 25mm
Wire Diameter	1*6mmV & 2*8mmH
Profiles	N/A
Top Edge Projection	30mm (Can be inverted for flush edges)
Post	40 x 40mm SHS (up to 6000mm) 60 x 60mm SHS (up to 6000mm) 50 x 100mm SHS (up to 6000mm)
Post Centers	2500mm
STANDARD COLORS	
Black	RAL 9005
Green	RAL 6005

Other colors are available on demand.

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