

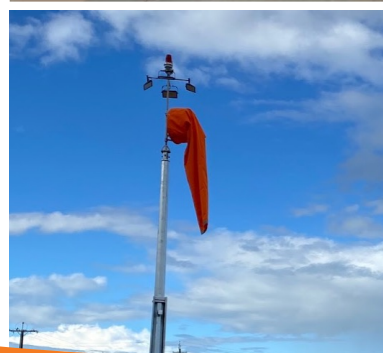
# FR-02/FR-03 | Illuminated Wind Direction Indicator (IWDI)

## Windsock Assembly

### Illuminated Wind Direction Indicator (IWDI)

- Aerodromes & Fixed Wing Aviation - Stainless Steel Windsock Dual Frame - 900mm Ø diameter. Designed for CASA 3650mm length Windsock (FR-03)
- Helicopter HLS Landing Sites - Stainless Steel Windsock Dual Frame 600mm Ø diameter. Designed for CASA 2400mm length Windsock (FR-02)
- Illuminated with high-intensity LEDs and CASA-compliant dual beacon (or single beacon for HLS)
- 6m (generally) Heavy-Duty counterweighted Mid-Hinging Pole - able to be readily lowered by one or two people
- The lowering eliminates the need for working at heights equipment, with all work being carried out at ground level
- All components are manufactured in Australia

Some of our IWDIs Installations, pictured here: Wentworth Aerodrome, NSW; Port Broughton Hospital, SA; and Dungog District Hospital, NSW - pictured



# FR-02/FR-03 | Windsock Illuminated Wind Direction Indicator (IWDI)

## Windsock IWDI

Windsocks Australia's Illuminated Wind Direction Indicator (IWDI) Windsock frame has been custom designed and developed to be a very robust, 'fit for purpose' solution for Australian needs.

The IWDI is available in a 600mm diameter for HLS Installations and a 900mm diameter for Aerodromes.

All components are manufactured in Australia.

Technical Details	600mm Ø diameter Dual Illuminated Frame FR-02	900mm Ø diameter Dual Illuminated Frame FR-03
Suitable for	IWDI for HLS (Helicopter Landing Sites) in line with CASA regulations	IWDI for Aerodromes (CASA regulated and unregulated)
Size	600mm Ø Mouth	900mm Ø Mouth
Maximum Windsock Size	2400m length – regarded as standard for an HLS assembly	3650mm length as prescribed in CASA MOS 139
Materials	Frame structure – corrosion resistant 304 stainless steel Sealed Bearings 2 sets – 316 stainless steel Cross Arm Structure – for attaching illumination - corrosion resistant 304 stainless steel	Frame structure – corrosion resistant 304 stainless steel Sealed Bearings 2 sets – 316 stainless steel Cross Arm Structure – for attaching illumination - corrosion resistant 304 stainless steel
Weight	~ 10kg	~12kg
Overall height from base	~1400mm	~1570mm
Max wind rating	135.7km/hr (at 8m height) for Wind Region A, Cat 1.5	135.7km/hr (at 8m height) for Wind Region A, Cat 1.5
Installation	Attached via Adaptor Plate to pole top	Attached via Adaptor Plate to pole top
Inspection	Recommended annually to check welds, bearings, Windsock	Recommended annually to check welds, bearings, Windsock
Design Life – Warranty	Warranted at 5 years with a design life of > 10 years with regular inspection	Warranted at 5 years with a design life of > 10 years with regular inspection

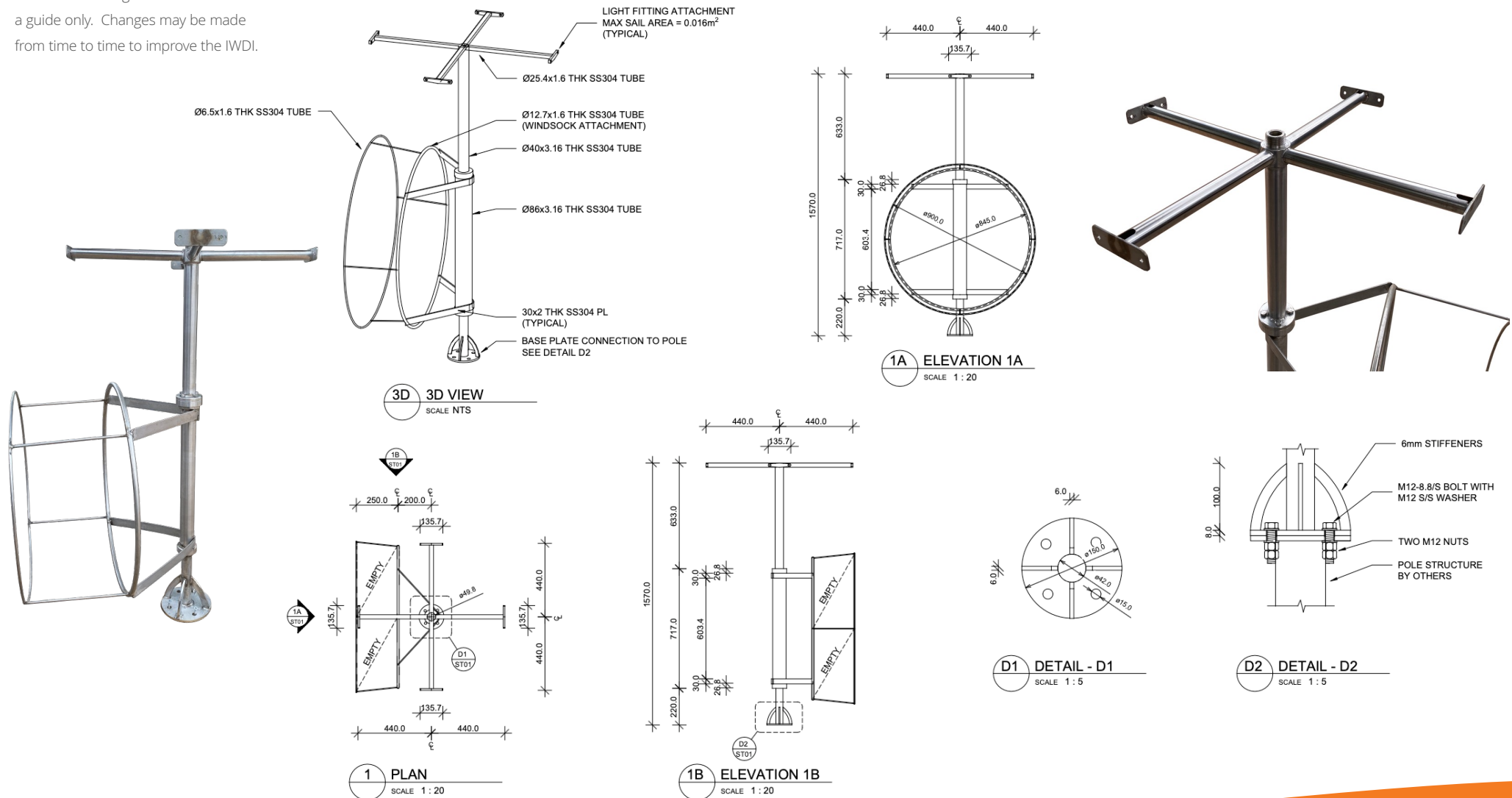
The above tables are intended as a guide only and may vary from time to time.

## FR-02/FR-03 | Windsock Illuminated Wind Direction Indicator (IWDI)

### Windsock IWDI

This technical diagram is intended to be a guide only. Changes may be made from time to time to improve the IWDI.

### Technical Drawings

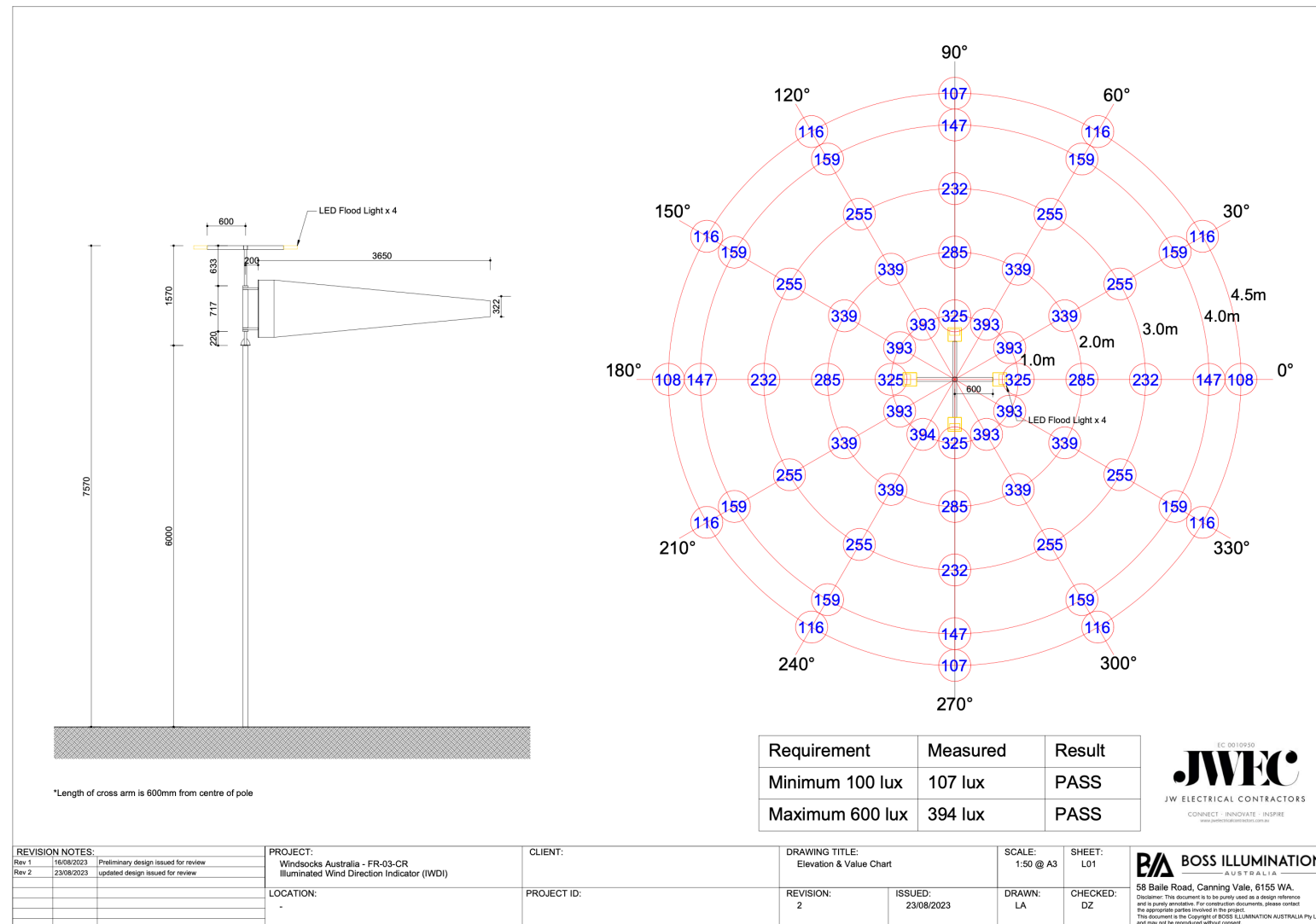


## FR-02/FR-03 | Illuminated Wind Direction Indicator (IWDI)

### IWDI Illumination

Windssocks Australia's Illuminated Wind Direction Indicator (IWDI) has been engineered to achieve compliance with the illumination requirements of CASA Manual of Standards (MOS) 139 (9.38) - for aerodromes.

For Helicopter HLS sites, both the LED floodlights and OB Beacon can be customised to suit the requirements of the site/ operator.





# FR-02/FR-03 | Windsock Illuminated Wind Direction Indicator (IWDI)

## IWDI Illumination

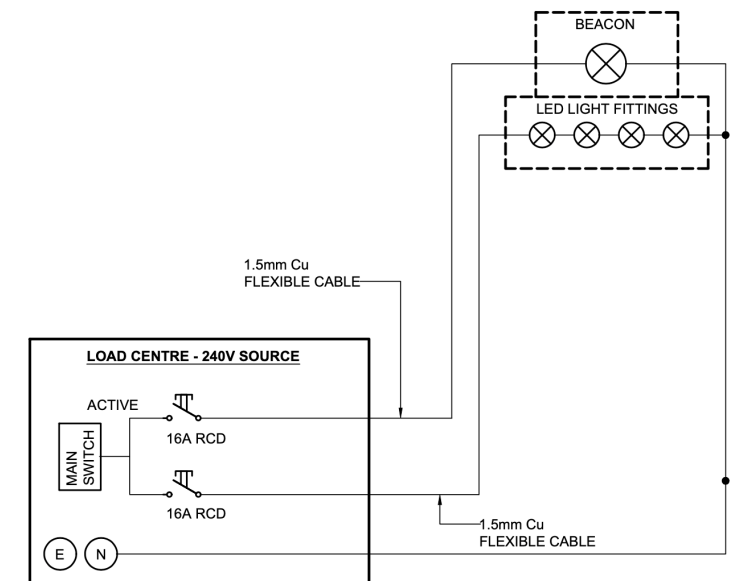
Windsocks Australia's Illuminated Wind Direction Indicator (IWDI) Windsock frame uses high intensity LED flood lights and Beacons for Illumination

Technical Details		600mm & 900mm Ø Dual Illuminated Frame FR-02 / FR-03
LED Light Fittings – 4 installed	up to 50W, 240V, LED Flood Lights - will vary depending on light glare considerations For CASA MOS 139 (9.38) 50W, 240V, Castle III XS LED Flood Luminaire	
Beacon – Dual Light fixtures or Single Light (HLS)	Industry leading beacons provided through Dialight for Vigilant LED Based L-810 beacons Designed for steady burning, this fixture is used to mark any obstacle that may present hazards to aircraft navigation 860-7R02-002 Dual Light 230V AC CASA compliant, Lower intensity Single Light available for surface level or elevated HLS	
Pre-Wiring	Pre-wiring pole installation cabling and testing of all wiring as per AS3000	
Engineering Diagram	Electrical compliance certificate to Australian Standards issued by Licenced Electrical Contractor and statutory safety documentation	

The above tables are intended as a guide only and may vary from time to time.



Beacon and LED Lights pre-wired for final installation at site (licenced electrician required)



# FR-02/FR-03 | Windsock Illuminated Wind Direction Indicator (IWDI)

## Mid Hinging Pole

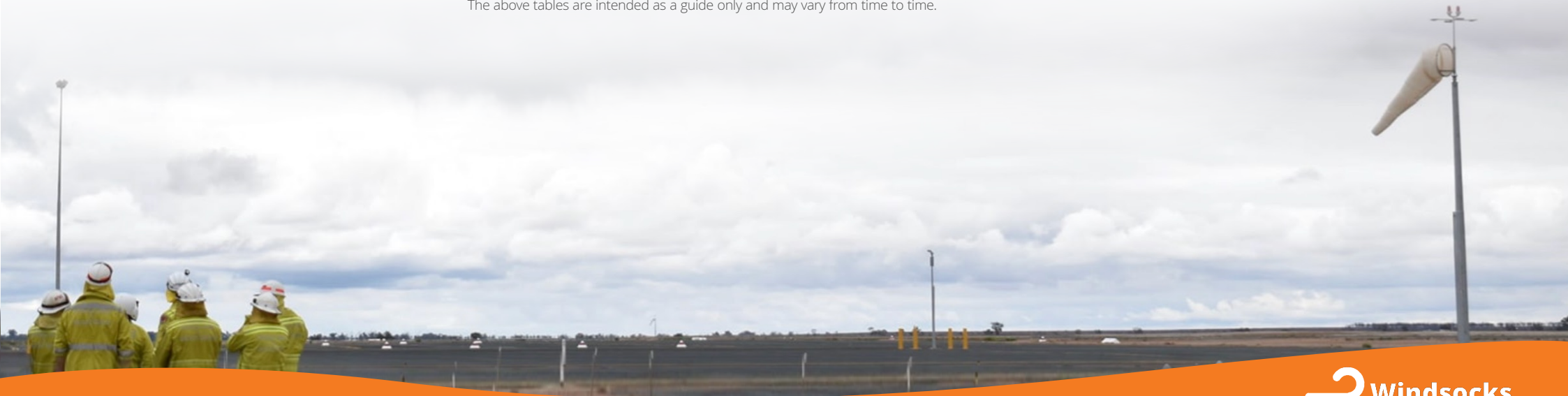
The IWDI is mounted to a Heavy Duty Mid-Hinged Galvanised Steel Pole, using a customised mounting bracket.

They eliminate the need and additional expense of an elevated work platform, cherry picker or safety climb system, reducing ongoing pole maintenance costs. Importantly all work is carried out at ground level.

The IWDI can be maintained safely and effectively using the pole's simple mechanical lowering device, which can be operated by one or two people.

Technical Details	MH6BHH - 6M Mid Hinged Heavy Duty Tapered Octagonal Pole
Height	Typically 6m, up to 10m is available
Weight	~200kg
Materials	Hot Dipped Galvanised Steel
IWDI fastening	Mounted on galvanised flange plate – complete with chain link
Mid-Hinging / Counter Weight	IWDI and Pole is Counter Weighted / Balanced to allow lowering by one or two people
Warranty	5 years providing they have been correctly installed, significantly longer design life
Inspection	Annual inspection recommended
Pole installation	Reinforcement Cage & 24mm Hot Dipped Galvanized Foundation Bolts, 4 x M24 @ 350PCD. Fully Assembled & Welded. Full pole installation documentation provided
Australia Standards	Mid-Hinged Poles are designed to meet Australia Standard, including resultant wind actions in structural designs. Individual computerised engineering is available on all of our poles.

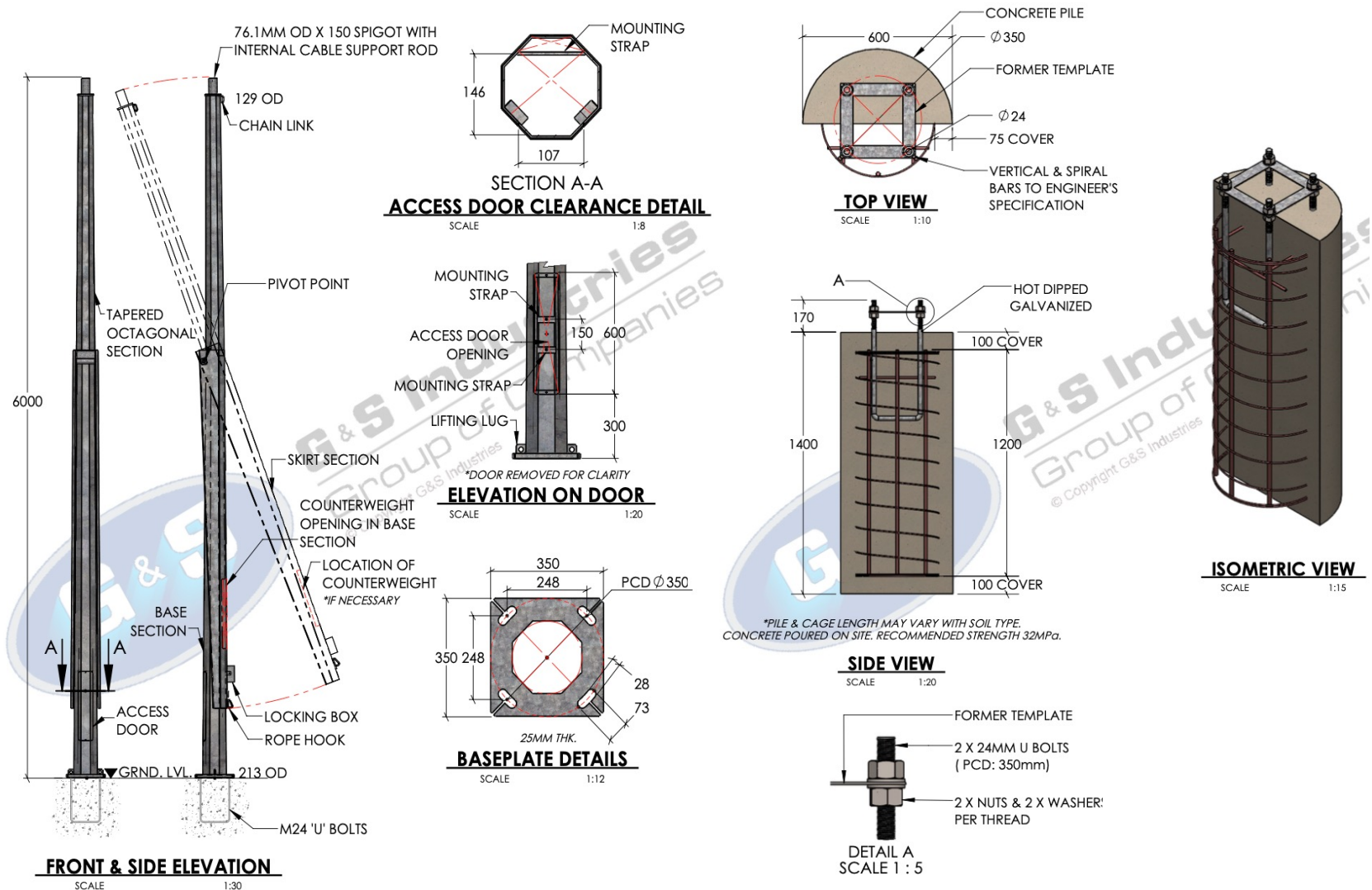
The above tables are intended as a guide only and may vary from time to time.



## FR-02/FR-03 | Windsock Illuminated Wind Direction Indicator (IWDI)

### Mid Hinging Pole

### Technical Drawings





# Windssocks Australia Overview

Our aim is to be the leading supplier of Quality Windsock solutions in Australia and the Asia Pacific region.

Founded in 2003, Windssocks Australia is the premier specialist commercial & industrial Windssocks manufacturer in Australia. Handcrafting our products 100% in Australia using the best materials to ensure the highest quality standards.

We have delivered thousands of commercial and industrial windsock solutions throughout Australia, New Zealand, Papua New Guinea and Asia Pacific.

Benefit from our knowledge to assist in getting the right windsock solution for your requirements.

Our success is built on a reputation for:

- High-quality products
- Extensive product knowledge
- Competitive pricing
- A commitment to innovation
- Dedication with excellent customer service
- Strong relationships with reputable manufacturers



Windssocks Australia Pty Ltd. For more info contact us on [info@windssocksaustralia.com.au](mailto:info@windssocksaustralia.com.au) or call on +61 (0) 468 474 656