Safety Alert!
Prior to commencing installationTemporary Fence Panels a site safety inspection must be undertaken and suitable controls implemented to reduce or eliminate the risk of injury.

1. Identify hazards to yourself & others	**2. Assess the likelihood of injury including to the public**
3. Find a way to minimise the risk & consult with others	**4. Re-check the controls as you go & make changes**
5. Complete necessary permits, inductions, assessments & SWMS	**6. Ensure all PPE is worn by all team members**
7. All relevant site safety rules & legislative requirements must be adhered to at all times	**8. Panels fence feet must be installed using safe lifting practices**

DO'S AND DON'TS

DO	**DON'T**
DO ensure transport vehicle is on solid, even ground before unloading.	DON'T work under the influence of alcohol, other drugs or fatigue
DO maintain distance from suspended loads & mobile plant.	DON'T install unbraced panels where there is a risk of fencing moving or falling
DO, where possible, work away from the public & mobile or slewing plant.	DON'T attached signage or shade-cloth on unbraced panels
DO ensure debris is removed & ground is solid, dry & even to avoid slips or trips.	DON'T impede walkways, roadways or otherwise deviate from permits, plans or instructions
DO maintain panel bundles of no more than 30, firmly & evenly strapped before transporting	DON'T install where there is risk of falls greater than 2m without height safety equipment
DO ensure fence feet are stacked, shrink wrapped & strapped on pallets for transport and storage.	DON'T use faulty equipment or tools

Components and Specs

Basic
- ✓ Panels (2100mm x 2510mm)
- ✓ Fence Feet/Counterweights (800mm x 284mm x 146mm – 17kgs)
- ✓ Coupler (standard or heavy duty) with bolt & nut

Additional
- ✓ Support brace
  - Standard (1689mm x [protrusion] 815mm + fence foot/counterweight – 4.5kg)
  - Heavy duty (1694mm x [protrusion] 815mm + fence foot/counterweight – 5kgs)
  - F-frame (1700mm x [protrusion] 815mm + fence foot/counterweight = 6.8kgs)
- ✓ Handrails (2470mm x 400mm – 4.7kgs)

Basic Installation

1. Delivery location for fencing equipment must be as directed by the customer's site contact and Orange Hire Loading/Unloading Procedures
2. Fence line must be determined by site inspection, instruction and/or permits.
3. Fencing is to be installed to a maximum of 3° out of plumb before additional bracing is required (see BRACING)
4. Lay out panels along a length of the perimeter with fence feet between each panel (See figure 1)
5. Fence feet must be 90° to fence panel to guarantee stability – approx. 2.3m apart
6. Lift panel into fence feet hole securely – repeat for other end of panel (See figure 2) assistance is recommended
7. Place coupler on two vertical pipes above top rails of the panels joins and secure nut tightly with 16mm socket or spanner (see figure 3)



Figure 1



Figure 2



Figure 3

9. Ensure panels or fence feet do not impede walkways or roadways (hand rails must be used if permit allows install on or near pedestrian pathways – see HANDRAILS)
10. High visibility fence feet should be used in trafficked areas
11. Repeat steps **3 – 7** until install is completed – Perform regular checks of the area to ensure safe install.

Bracing Installation

Bracing must be installed prior to shade cloth, banner mesh or large signs are installed. It is recommended that clients perform their own wind impact assessment.

Long runs of temporary fence should have a standard brace installed every 6 panels

Bracing installation must conform to *Fortress Fencing Systems Test Certificate AS 4687:2007 MT-10/253*

NOTE: Bracing must not impact pedestrian walkways or trafficked areas

Standard Brace

1. Place fence foot/counterbalance directly behind panel fence feet (see figure 4) on firm solid ground
2. Place T-top end of brace post (see figure 5) in centre gap of fence feet
3. Twist the post so the T-top is under the fence foot/counterweight (see figure 6)
4. Attach angled end of brace post to panel vertical post with coupler (see figure 4)
5. Secure nut tightly with 16mm socket or spanner
6. Continue to brace panels in accordance with Bracing, Counterweights and Wind Load Capacities chart



Figure 4



Figure 5



Figure 6

Heavy duty brace

1. Ensure brace footing is on firm, solid ground
2. Attach angled end of brace post to panel vertical post with coupler
3. Secure nut tightly with 16mm socket or spanner
4. Place fence feet/counterweight securely on bracing pipe (see figure 7)
5. Continue to brace panels in accordance with Bracing, Counterweights and Wind Load Capacities chart



Figure 7

F-Frame brace

1. Ensure brace footing is on firm, solid ground
2. Assistance with this task is recommended
3. Attach brace post to panel vertical post with coupler at top and bottom
4. Secure nut tightly with 16mm socket or spanner
5. Place fence feet/counterweight securely on bracing pipe (see figure 8 and box out figure 8)
6. Continue to brace and counterweight panels in accordance with Bracing, Counterweights and Wind Load Capacities chart



Figure 8

Shade cloth, Banner mesh and Signage

Temporary fencing panels allow for the attaching of shade cloth for screening or dust control and banner mesh for promotional display and safety signage.

Shade cloth and banner mesh may only be installed on braced fencing. Shade cloth and mesh must be secured to the top rail of the fence firmly with cable ties at the recommended 800mm spacing. It is not recommended to secure the shade cloth/banner mesh at the bottom as this will restrict air flow.

NOTE: The *Bracing, Counterweights and Wind Load Capacities* chart will be invalidated by the added wind resistance of the shade cloth or mesh. Additional bracing will be required.

Clients who attached shade cloth or signage are advised to seek an independent wind impact assessment by an engineer or have this arranged by Orange Hire staff prior to installation.

Handrails

Hand rails should be installed where there is a risk of pedestrians tripping over the fence feet, for instance; on or near a public walkway.

Handrails should be installed on all panels that impact pedestrian walkways including on corners of fencing perimeter. High visibility fence feet are recommended in trafficked areas.

1. Ensure panel is fully attached and secured
2. Assistance with this task is recommended
3. Attach vertical pipe of the handrail to vertical pipe of the fence panel with coupler (see figure 9)
4. Secure nut tightly with 16mm socket or spanner
5. Handrail should be no less than 865mm from ground level
6. Continue to attach hand rails along panel run until pedestrian impact area has been adequately covered



Figure 9

Bracing, Counterweights and Wind Load Capacities			
Bracing per panel	Number of counterweights	Wind speed capacity (m/sec)	Suitable for Aust. Wind Region (Figure 10)
Single	1	18	A and B
Single	2	24	A to D
Single	3	26	A to D
Single	4	28	A to D
Double	1	24	A to D
Double	2	30	A to D
Double	3	36	A to D
Double	4	40	A to D

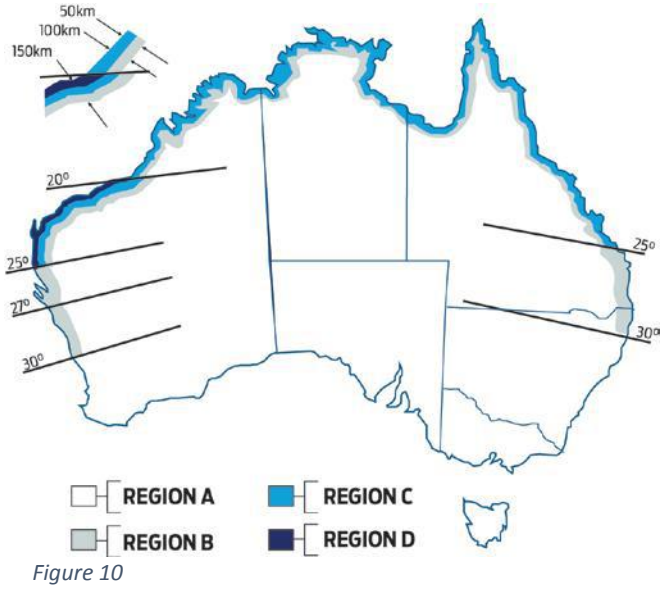


Figure 10