



## **Zenith SR2**

Demarcation / Welded mesh

## **Installation Manual**

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## **DISCLAIMER**

Although every effort has been made to ensure that the information contained in this manual is correct at the time of issue, no responsibility is accepted for any loss or damage arising from incorrect information.

All described work must be performed by certified personnel. Should work deviate from the described actions, any guaranteed entitlement and liability of the manufacturer shall no longer apply.

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## 1 PREFACE

### 1.1 MANUFACTURER / SUPPLIER

Manufacturer:

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Technical Construction File: Heras, T&I Department:

## 2 SAFETY

### 2.1 GENERAL SAFETY INSTRUCTIONS



- Always read and understand all instructions in this manual before installing. Contact Heras if any instructions are unclear.
- If the meaning of any part of these instructions is not clear, contact Heras before attempting installation.

### 2.2 SAFETY DURING INSTALLATION



- Always wear safety boots during installation. Make use of other personal protective equipment where applicable.
- Observe safe lifting techniques and use lifting aids where applicable.



## 3 SITE ASSESSMENT

### 3.1 CIVIL DETAILS



To guarantee the longest effective use of the Zenith SR2, always first assess the following on site::

- Soil mix
- Ground bearing pressure
- Humidity

Drawings showing recommended positions of the equipment and foundation requirements can be supplied alongside the relevant data sheets.

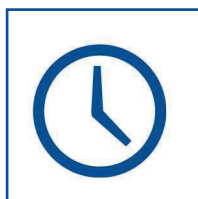
## 4 INSTALLATION

### 4.1 EXPLANATION OF SYMBOLS



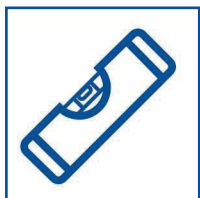
#### **Protective gloves**

Use when working with concrete.



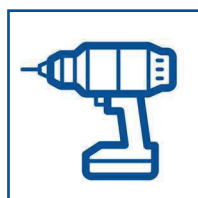
#### **Wait**

Allow concrete to cure.



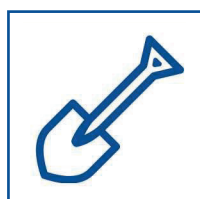
#### **Level**

Use a spirit level.



#### **Electric screwdriver**

Use for fixings.



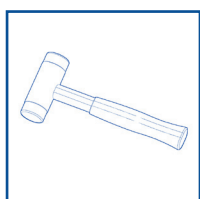
#### **Shovel**

Digging required.



#### **Attack side**

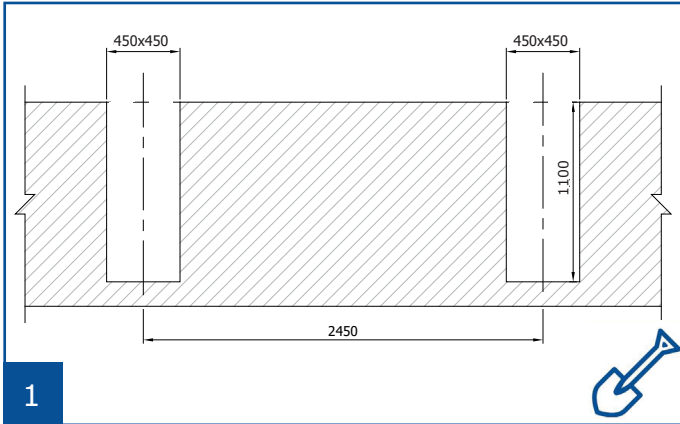
Shows direction of attack.



#### **Hammer**

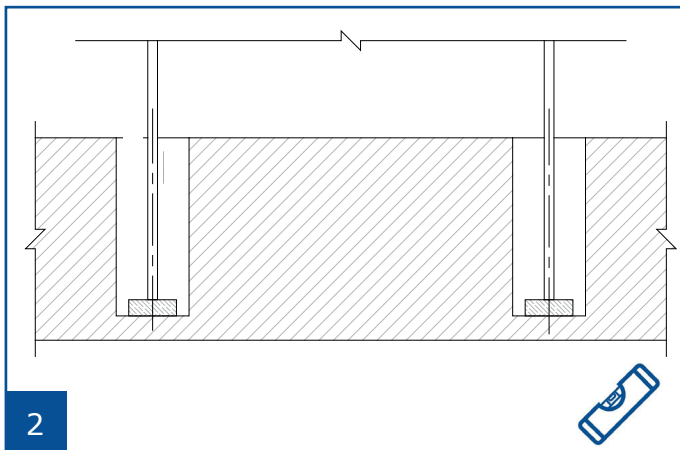
Use a hammer.

## 4.2 PREPARE SITE

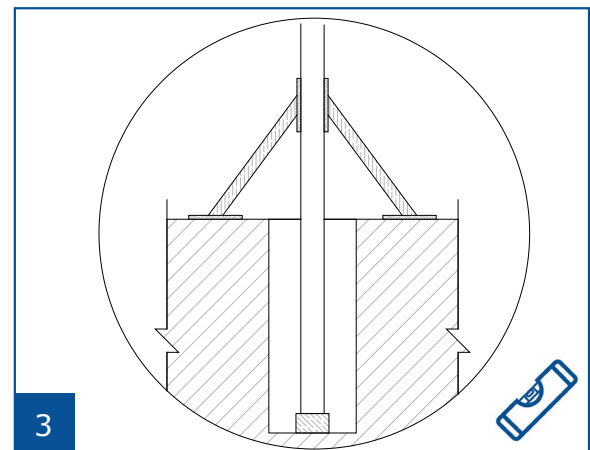


Clear and level the site appropriate before beginning installation. Dig foundations for posts to 450 mm<sup>2</sup>, 1100 mm deep.

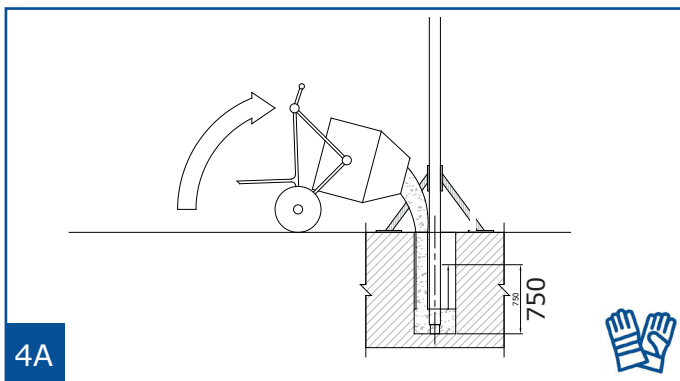
## 4.3 POST INSTALLATION



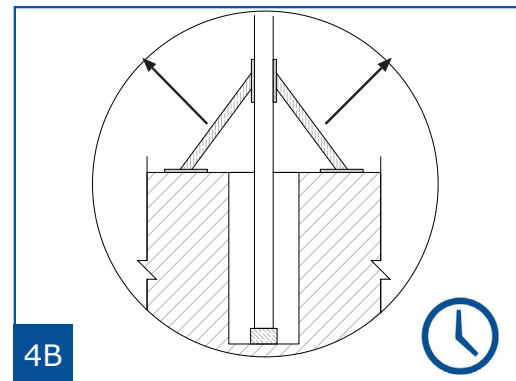
Insert posts, using a spirit level to keep them perpendicular. If necessary, place wooden blocks at base of posts to keep them flat and level with one another.



Attach wooden struts to hold posts in places.



Fill foundations with concrete up to 750 mm depth.

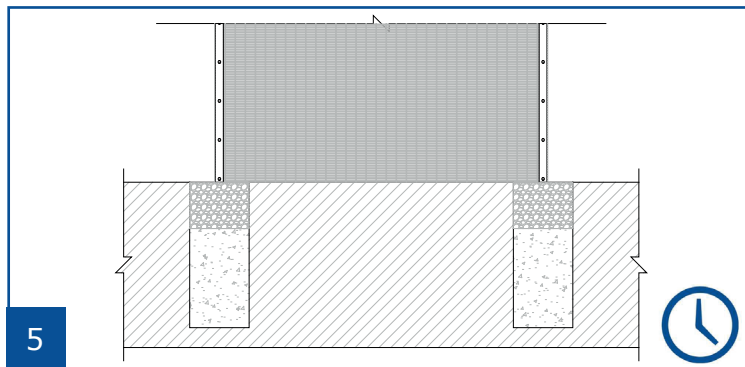


Allow concrete to cure. Remove wooden struts.

## 4.4 PANEL INSTALL OPTIONS

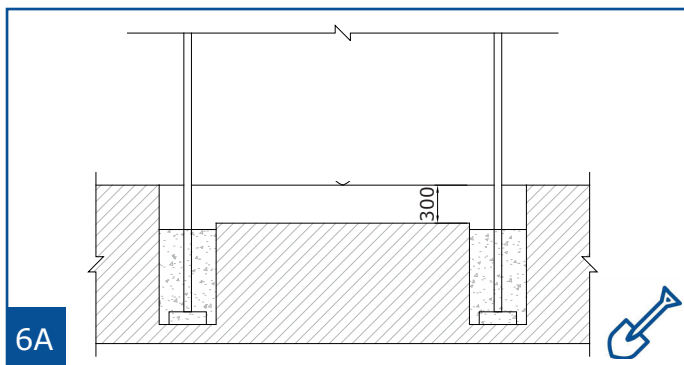
Consult site drawings to determine applicable option (4.4.1, 4.4.2 or 4.4.3).

### 4.4.1. NON-BURIED PANEL

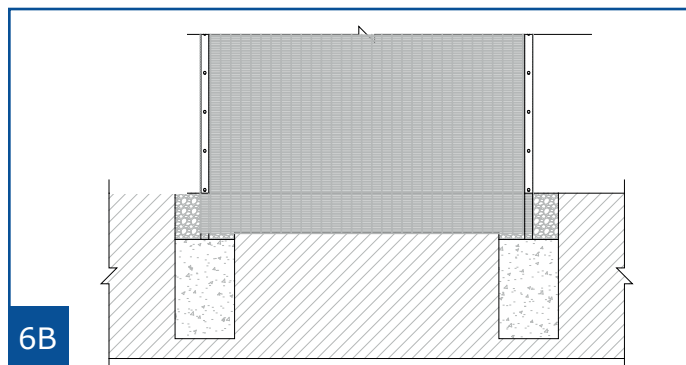


Affix panels to posts as shown in section 4.5. Fill remainder of foundations.

### 4.4.2. BURIED

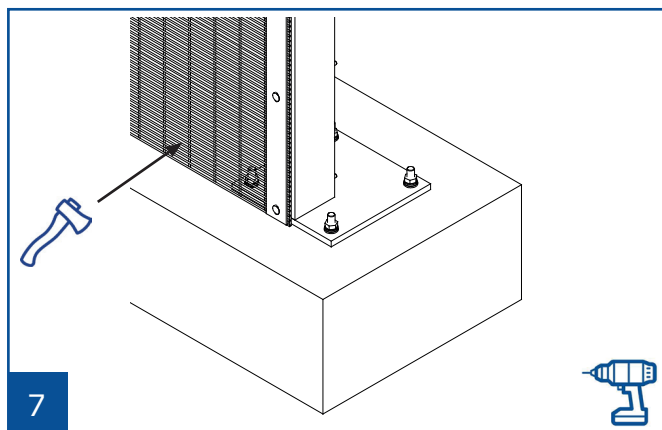


Dig 300 mm deep channel between each post, wide enough to insert panel.



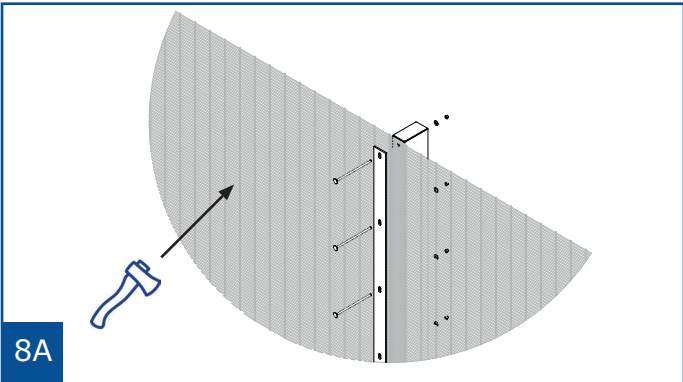
Insert panel into channel and affix to posts as shown in section 4.5. The mesh should rest atop foundations. Complete concrete pour into remaining foundation depth. Fill channel with aggregate or similar.

### 4.4.3. BASEPLATED

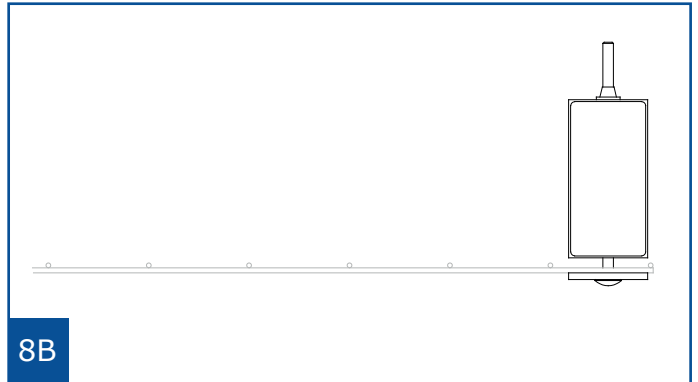


For installations with baseplates, see details on the site drawings. A standard baseplated system is shown above (with 25 mm diameter fixing holes).

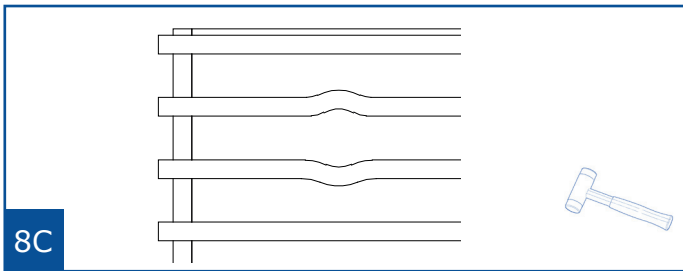
## 4.5 INSTALL PANELS



Overlap mesh on intermediate post. Clamp into place using flat bar and affix with square head bolts.



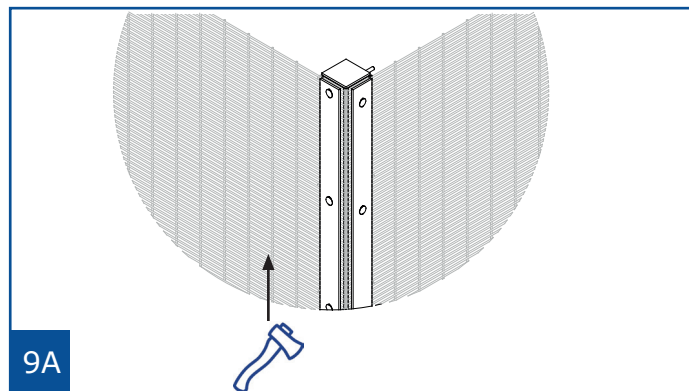
Bolt assembly as shown. Use a hex nut and washer to secure topmost bolt. Use shear nuts and washer for all other bolts.



If the bolts are difficult to insert, use a hammer and tapered peg to widen mesh aperture as shown.

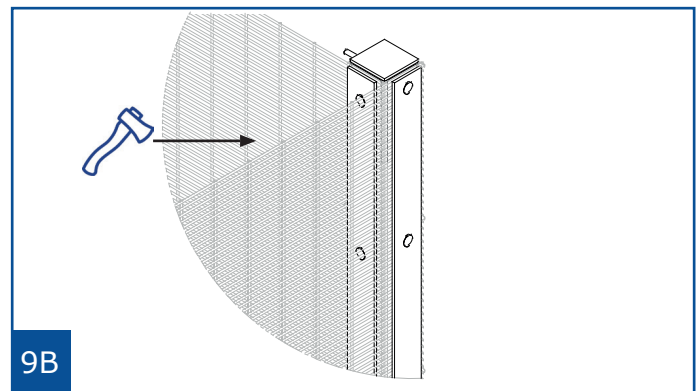
## 4.6 CORNERS

### 4.6.1. INTERNAL



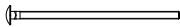
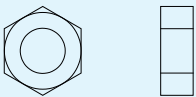
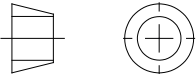





Fix the mesh to the exterior of the posts.  
Instead of overlapping, set the mesh to form a corner assembly as shown with offset bolts to eliminate intersecting.

### 4.6.2. EXTERNAL



Fix the mesh to the exterior of the posts.  
Instead of overlapping, set the mesh and fixings in the arrangement shown with offset bolts to eliminate intersecting.

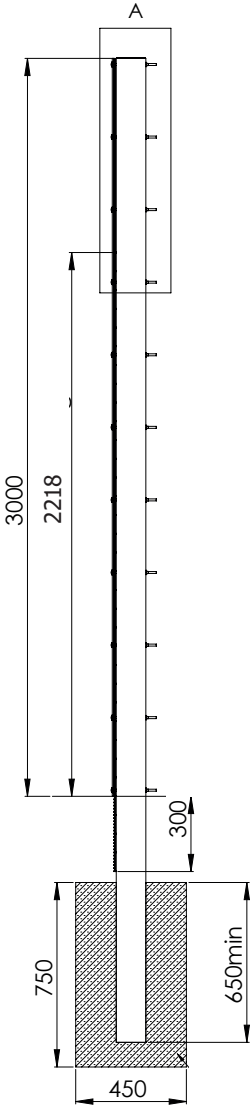
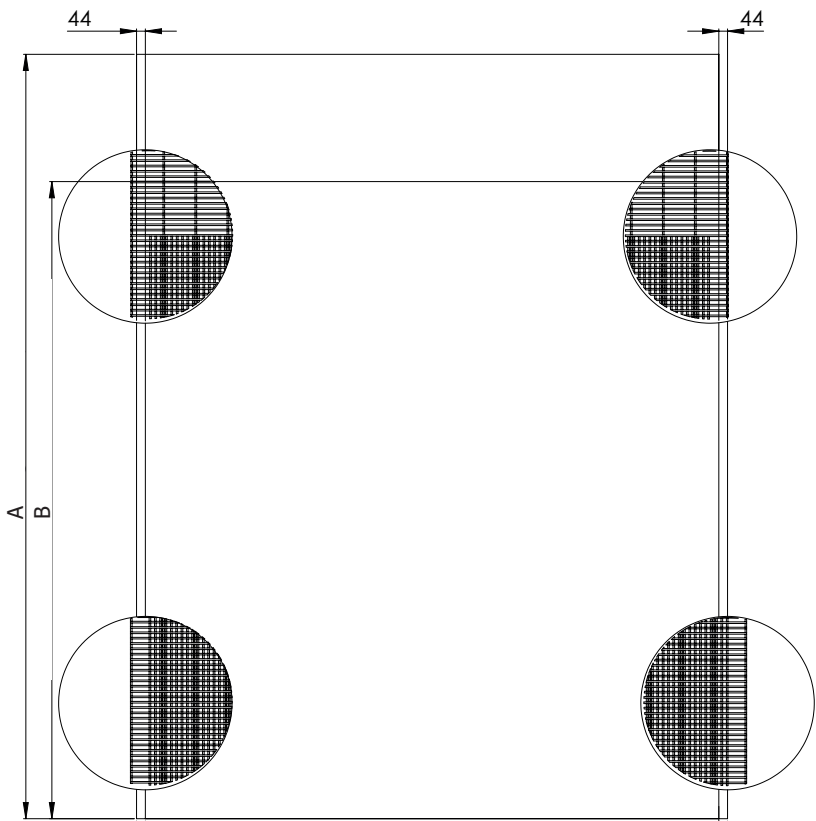
## 5 BILL OF MATERIALS

Image	Name	Used in stage
	M10 cup square bolt	8A, 8B, 9, 10
	Hex nut	8A, 8B, 9, 10
	Shear nut	8A, 9, 10
	Washer	8A, 8B, 9, 10
	Flat bar	8A, 8B, 9, 10
	Lower flat bar	7A, 7B
	Double-mesh panel	5, 6B, 7A, 7B, 8A, 9A, 9B
	Post	2, 3, 4A, 4B, 5, 6A, 6B, 7A, 7B, 8A, 8B, 8C

## 6 APPENDIX

Double-mesh panel overlap and foundation specifications are shown below.

Panel overlap specifications	
Overall front panel height (A)	Overall rear panel height (B)
3305	2518



Local supplier stamp:

**Heras  
Herons Way  
Balby  
Doncaster  
South Yorkshire  
DN4 8WA  
United Kingdom**

**HERAS**