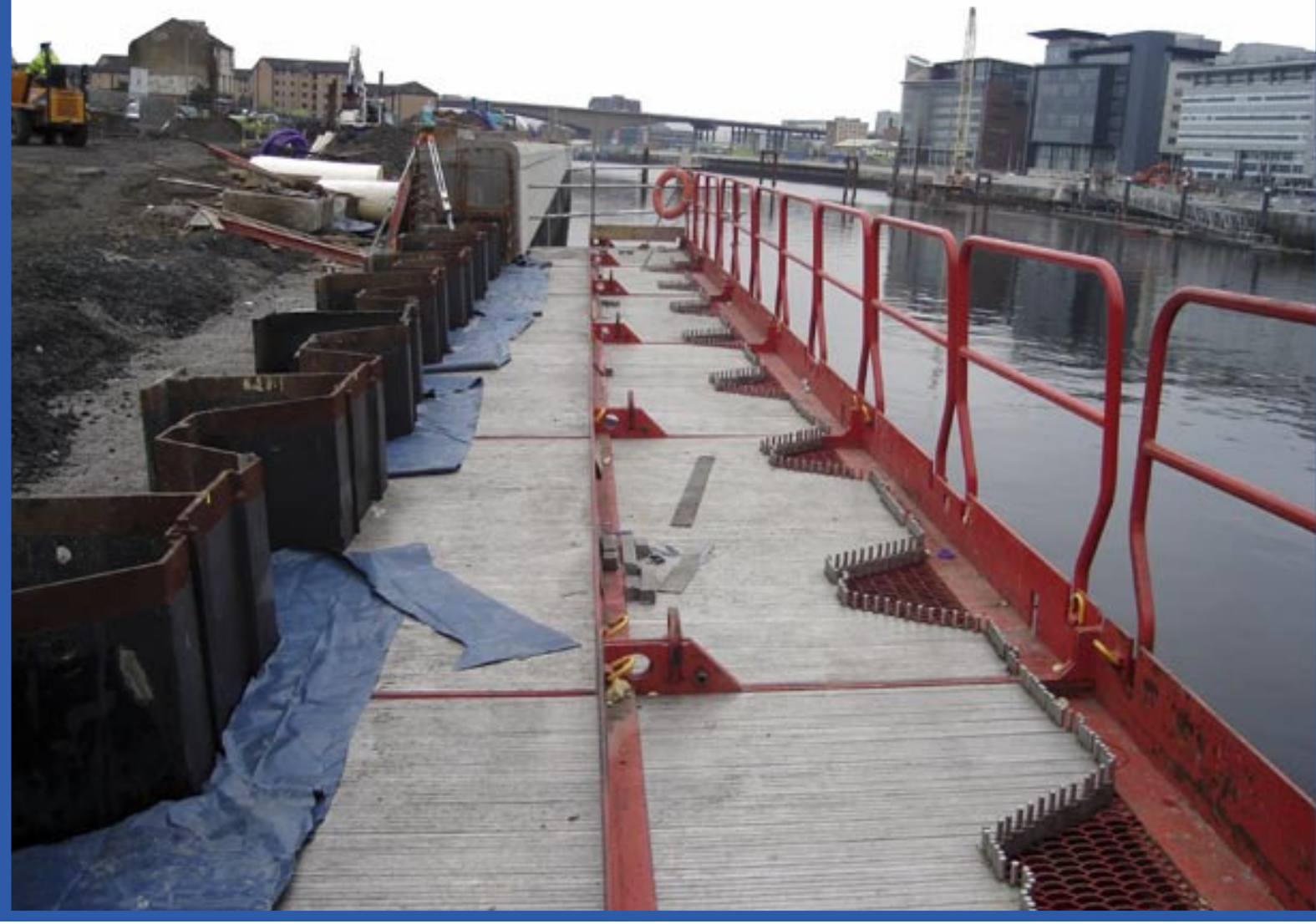




# HEAVY DUTY CAPPING SYSTEMS



- REDEB SUPPORT BRACKETS
- MULTI PILE SOFFIT PANELS
- SWL 10 TONNE PER METRE





**DAWSON**  
CONSTRUCTION PLANT LTD

# FEATURES

The multi pile soffit shutters have 148 individual adjustable bars which follow the pile wall contour and do away with the need for profiled plywood in fills. Concrete can then be poured directly on top of these bars.

The system is capable of carrying a maximum vertical load of 10 Tonnes per metre.

Maximum pile depth of 2 metres from pile face can be cast.

Redeb support brackets can be fitted onto flat or round pile faces. The brackets have been design with a minimum width of only 170mm.

To fit brackets only a single Ø85mm hole has to be cut through the pile



**DAWSON**  
CONSTRUCTION PLANT LTD

# INSTALLATION

1. Before mounting the bracket, ensure it is in the SET position.  
**See Manual setting 1.** The amount of levelling once the bracket is located in the hole is limited to +/- 25mm.
2. Predetermine level for the location holes. With the bracket in its SET position the distance from the centre of the Ø85mm hole to the top face of the soffit panel bars = 456mm, (or 328mm when using standard lower capacity system) it is important that this is allowed for when cutting the holes in the pile face.
3. Scribe a level line along length of the pile face and burn through Ø85mm +5mm holes through piles ensuring there is clearance behind the pile to allow the cam to turn. Maximum pile thickness = 25mm.
4. To pick up the bracket use the lifting arm using a single sling (see



**IMPORTANT NOTE: - THE BRACKET MUST NOT BE SET LOWER THAN THE LOWEST POSITION SHOWN ON THE DRAWING.**

This is necessary because after casting the cap the bracket has to be lowered so the soffit panel can be removed. If the cap is cast with the bracket set at its lowest position there is no adjustment left to lower the bracket and remove the soffit panel.

11. Secure each panel using the clamping kits. **See manual setting 8**
12. Raise the soffit shutter panel safety rail and engage the lower portion of the safety rails in the corresponding sockets. **See manual setting 7**
13. Using a soft faced mallet lightly tap on the ends of each soffit bar until they



# REMOVAL OF THE SOFFIT PANELS

Only after the concrete cap has sufficiently set enough to support its own weight can the process of stripping the panels from underneath the cap begin. Refer to architect drawings to determine the cure time of the concrete cap.

1. Loosen and remove clamping kits.
2. Lower bracket top members by turning front and rear jacks to the fully down position. This will create a minimum 25mm gap between the soffit panel and concrete cap.
3. Attach suitable lifting chains to the lifting points on the soffit panel.
4. The soffit panel can now be extracted.



# REMOVAL OF THE REDEB SUPPORT BRACKET



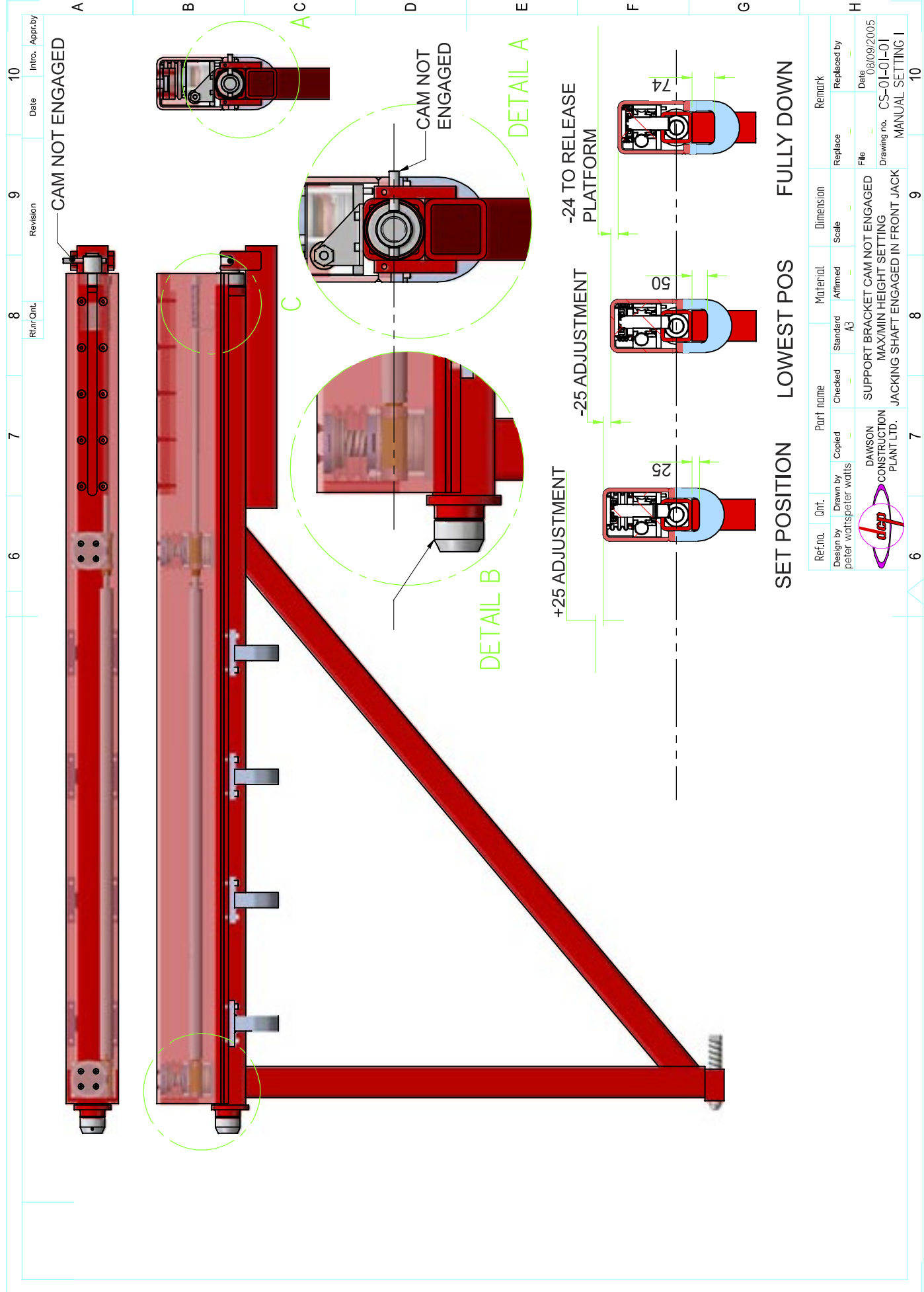
## Warning

Stand clear of  
suspended load

The redeb support bracket can only be removed after the soffit shutter panel has been removed.

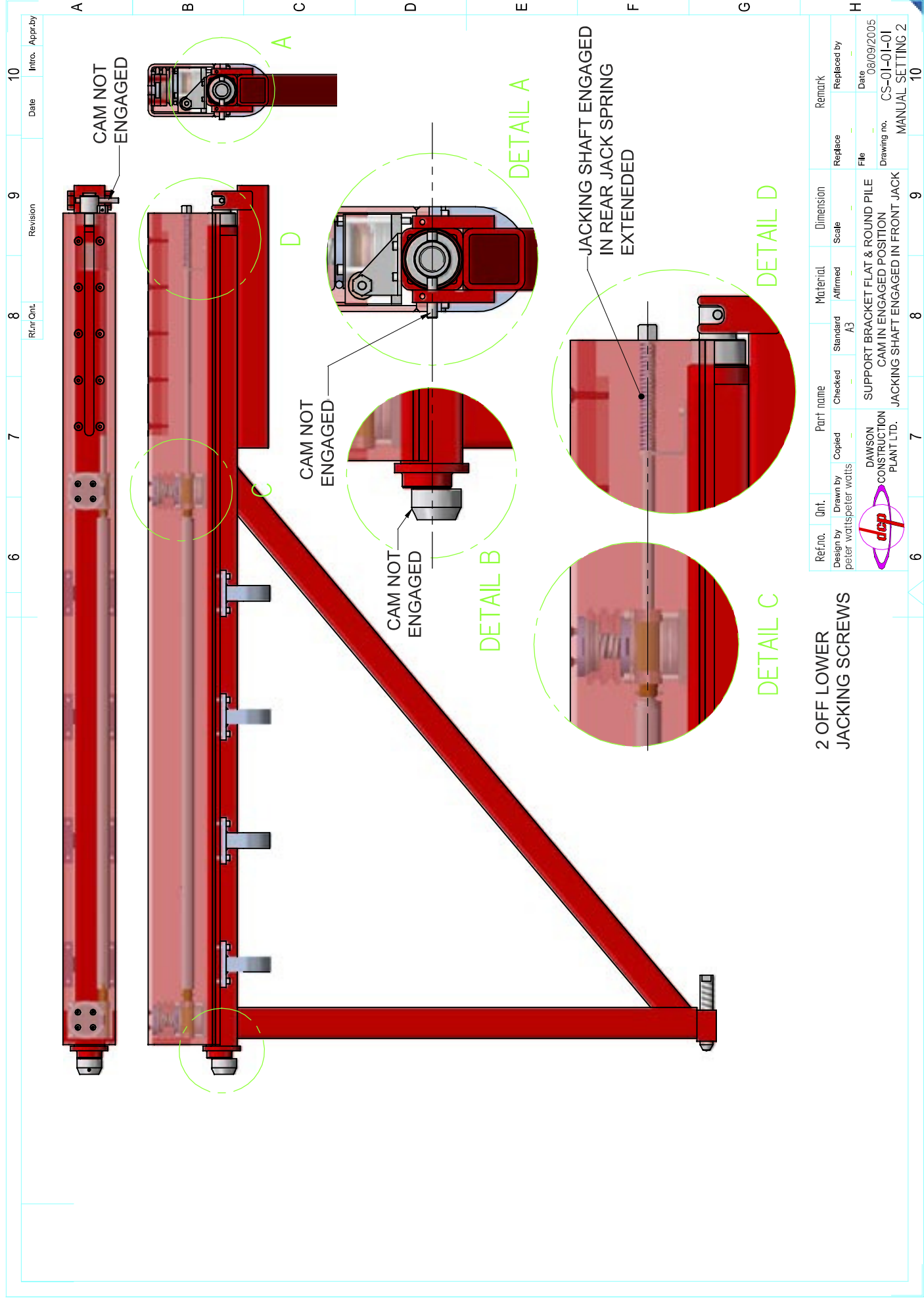
1. To remove the redeb support bracket use a suitable sling.
2. Position the sling between the last two braces as shown in picture below so that the bracket inclination will be slightly down at the front when removed from the location hole.
3. Turn the cam 180 degrees clockwise to disengage from the hole.



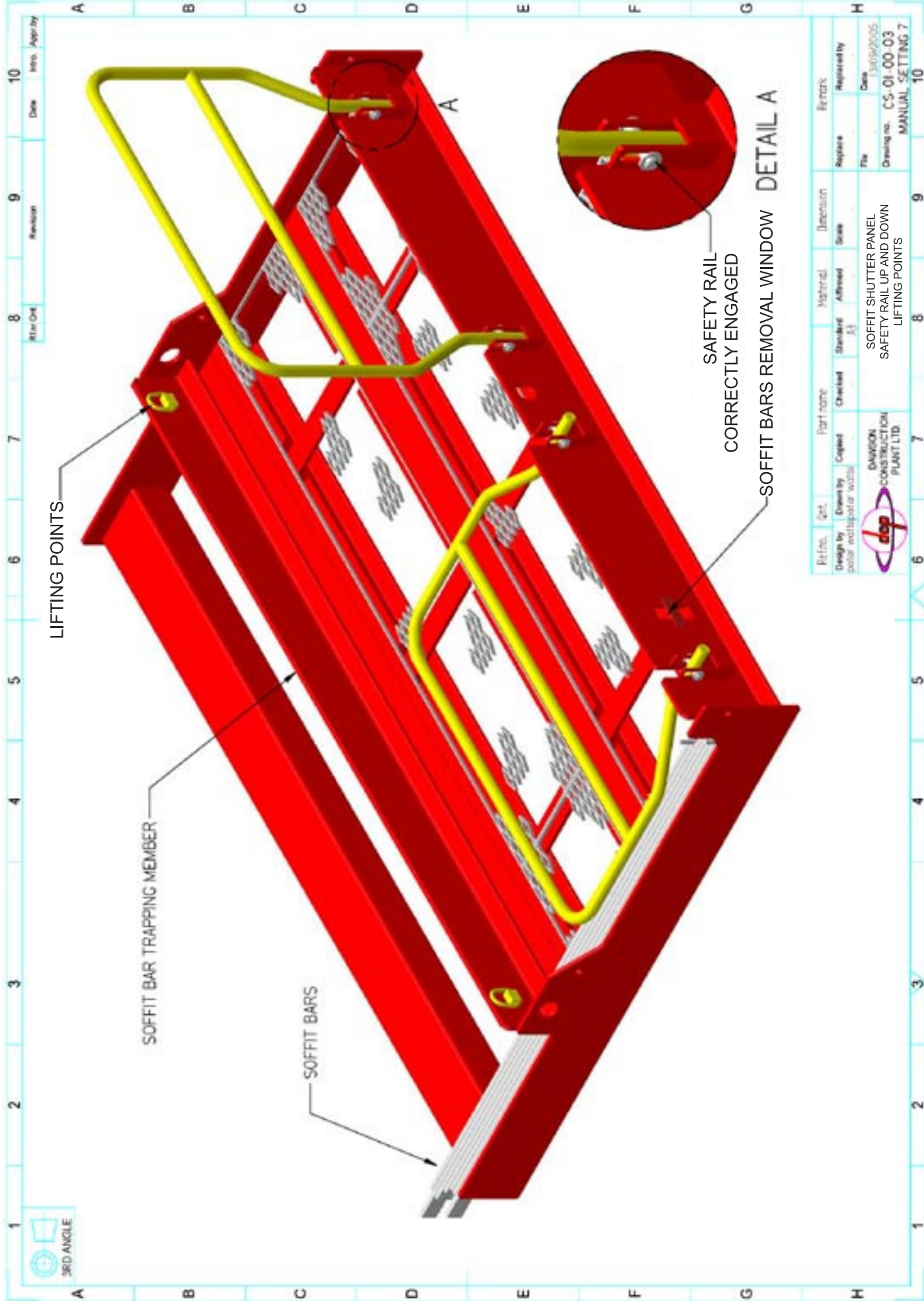


SET POSITION      LOWEST POS      FULLY DOWN

Ref.no.	Qnt.	Part name	Material	Dimension	Remark
Design by peter watispeter watis	Drawn by peter watispeter watis	Checked A3	Standard A3	Scale A3	Replaced by
SUPPORT BRACKET CAM NOT ENGAGED MAX/MIN HEIGHT SETTING JACKING SHAFT ENGAGED IN FRONT JACK					Replaced by
DAWSON CONSTRUCTION PLANT LTD.					File
CS-01-01					Drawing no.
MANUAL SETTING I					Date
08/09/2005					

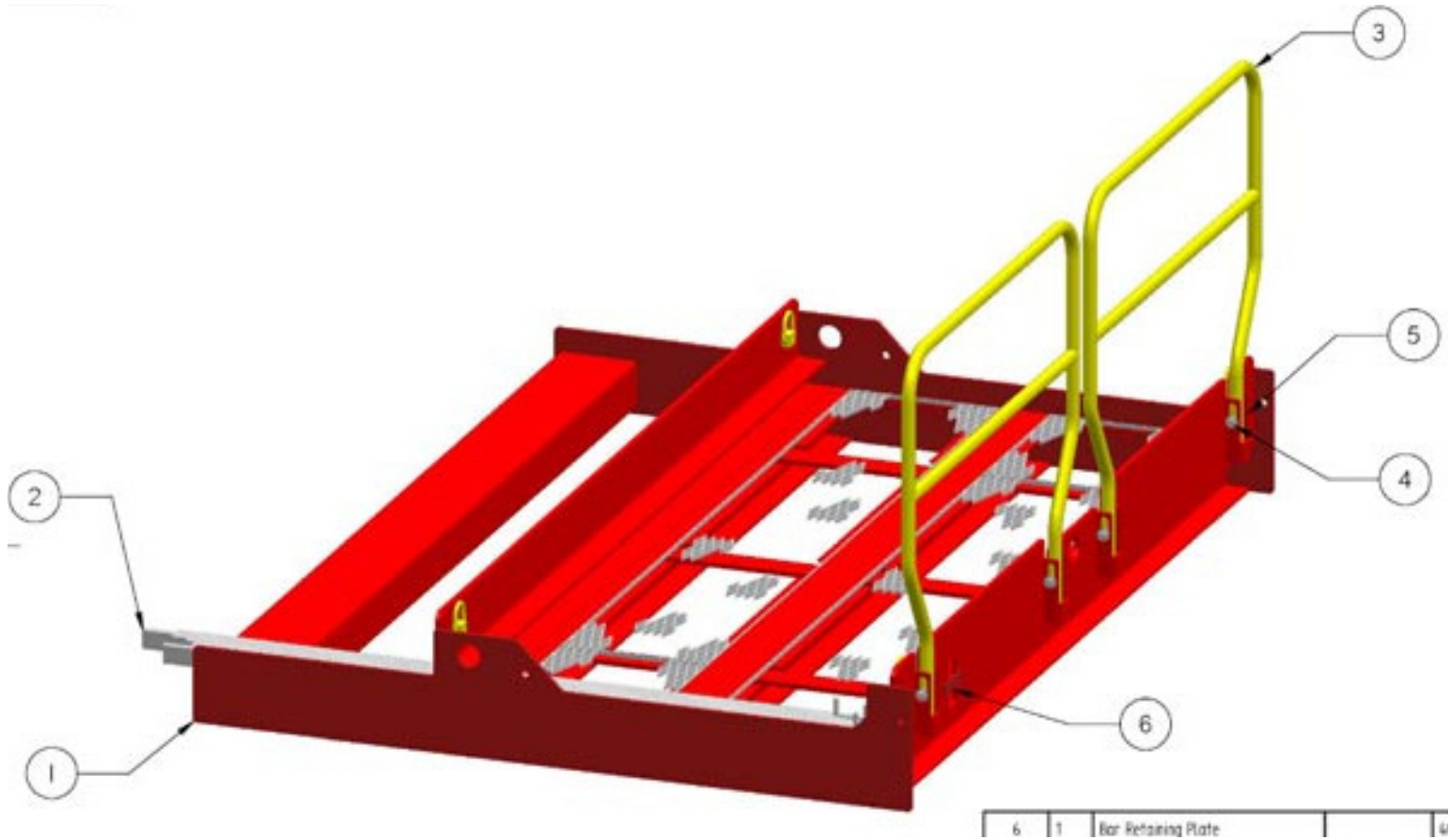






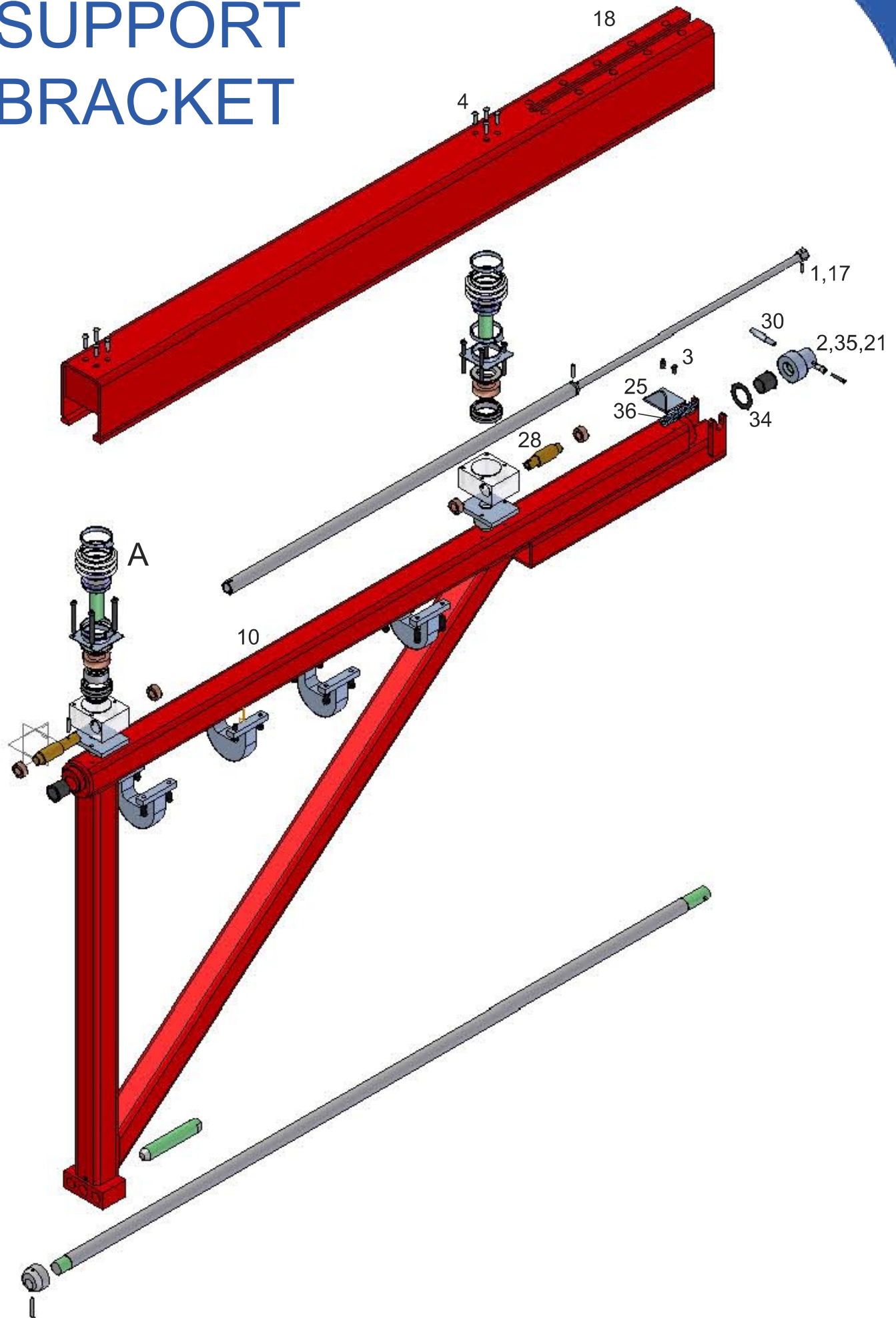


# SOFFIT SHUTTER PANEL





# SUPPORT BRACKET

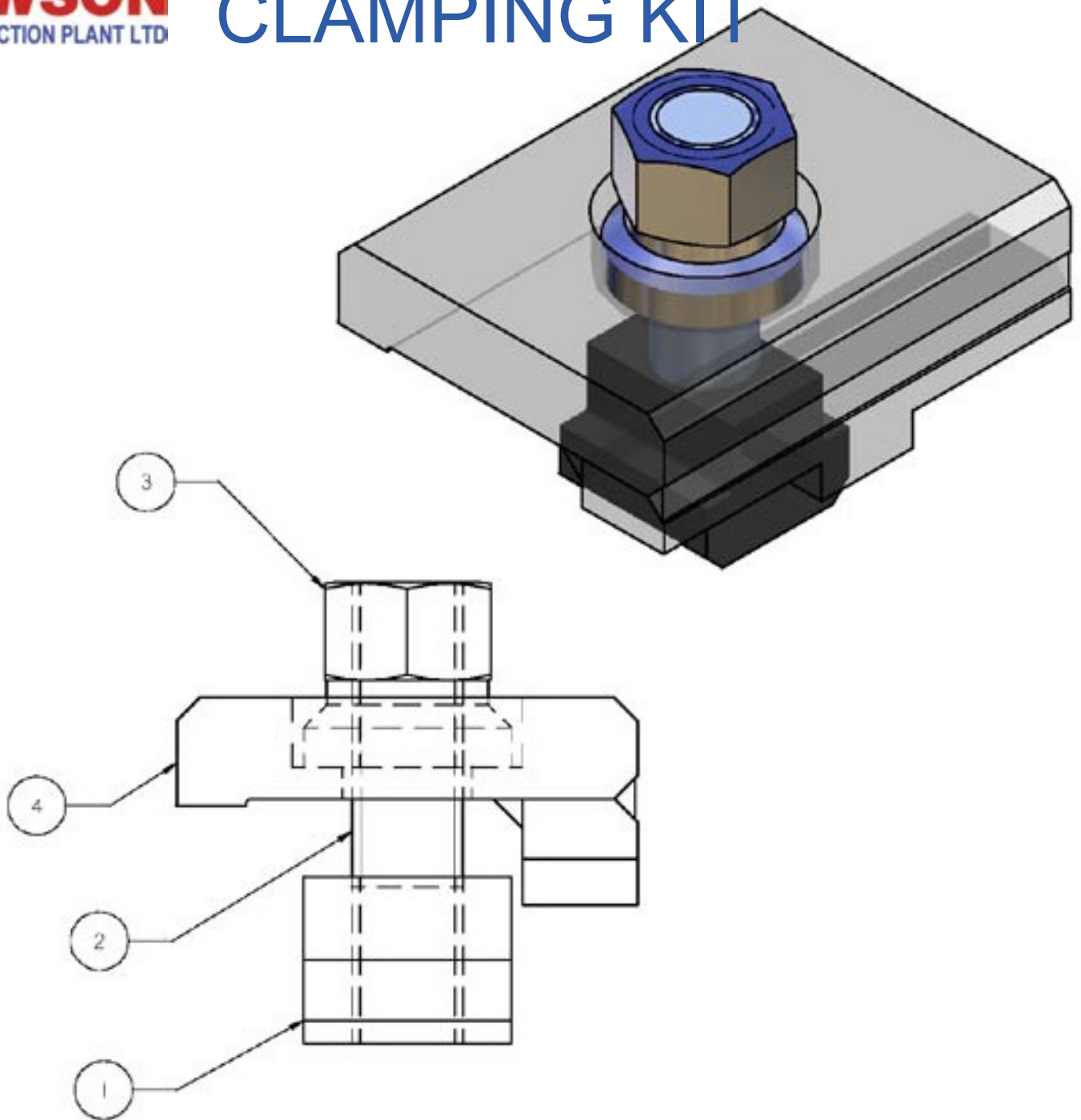


REF	QNT	PART NAME	DIMENSION	REMARK
37	2	Plug	RS 212-3385 (1 1/4)	CS-01-66-01
36	1	Compression Spring	Spring Steel	CS-01-65-01
35	1	Retaining Pin	Ø16x43mm	CS-01-50-01
34	1	Thrust Washer	Igus Thrust Washer	CS-01-46-01
33	2	Flanged Bush	Igus Bush	CS-01-45-01
32	2	Needle Roller Bearing	INA	CS-01-44-01
31	2	Axial Cylindrical Roller Bearing	INA	CS-01-43-01
30	1	Cam Drive Pin		CS-01-42-01
29	4	Bush		CS-01-41-01
28	1	Machined Worm Rear	SW£-4	CS-01-40-01
27	1	Lower Anchor Screw		M42 Thread Rolled
26	2	Bearing Support Sleeve		CS-01-38-01
25	1	Support Bracket		CS-01-37-01
24	2	Gearbox Mounting Plate		CS-01-36-01
23	2	Upper Bearing Guide		CS-01-35-01
22	4	Brace	See List	CS-01-33-01
21	1	Retaining End Collar		CS-01-32-01
20	1	Location Cam		CS-01-31-01
19	1	Cam Location Shaft	Ø45mm	CS-01-30-01



**DAWSON**  
CONSTRUCTION PLANT LTD

# CLAMPING KIT







**DAWSON**  
CONSTRUCTION PLANT LTD

# NOTES

---

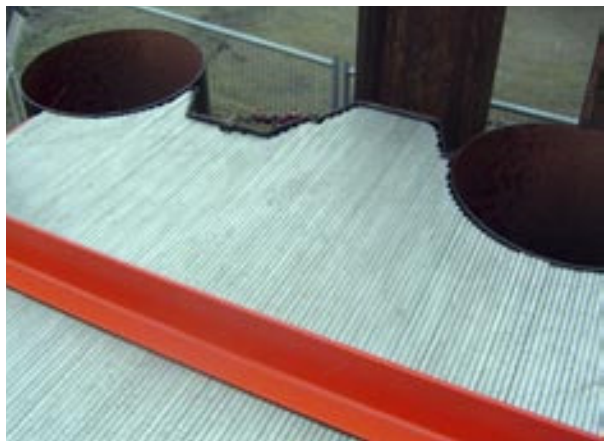
---

---

---



**DAWSON**  
CONSTRUCTION PLANT LTD





**DAWSON**  
CONSTRUCTION PLANT LTD





# SHEET PILE CAPPING SYSTEMS