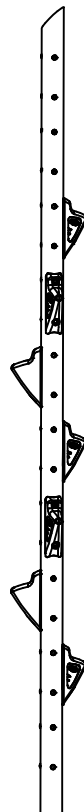
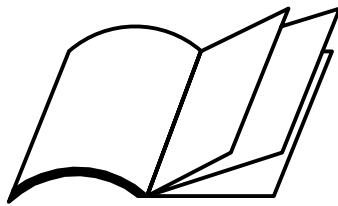


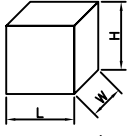
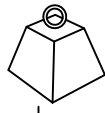
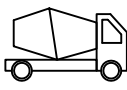
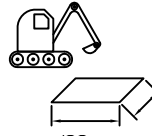
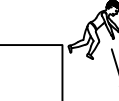



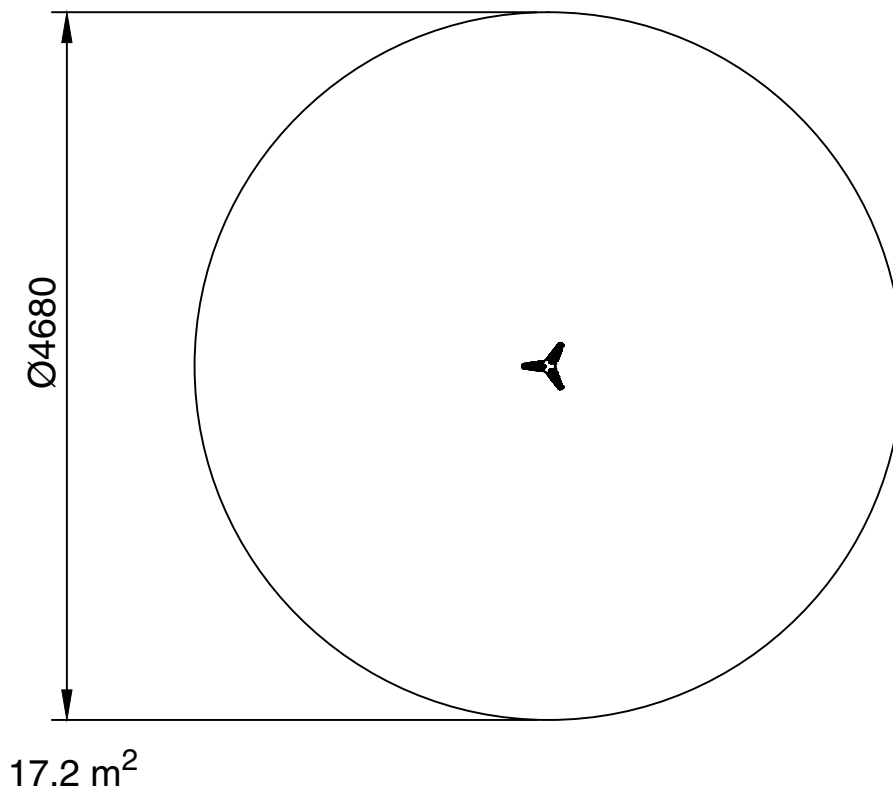
INSTALLATION INSTRUCTIONS
NEXUS ALTITUDE
NXA-09






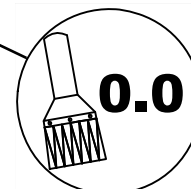
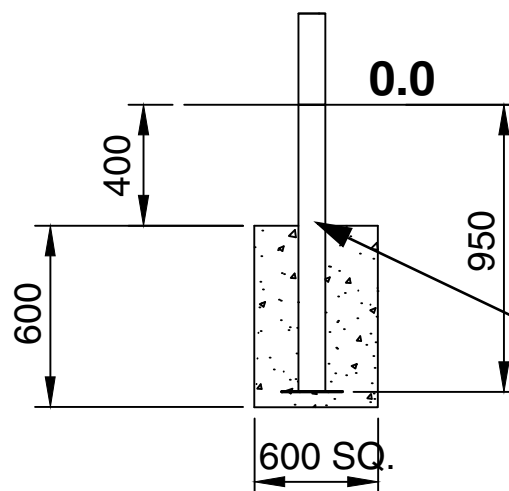
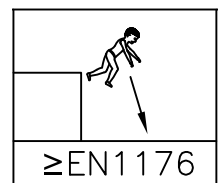
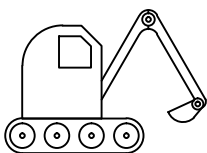
Section 1:

	 LxWxH (m)	 kg	 m ³	 m	 ≥EN1176	 x 2 = T
NXA-09	0.28 x 0.31 x 3.25	55.0	0.22	6.0 x 6.0	2.5m	T = 4h

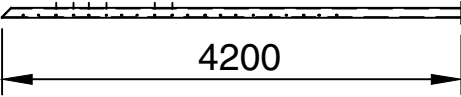
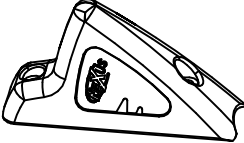

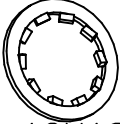
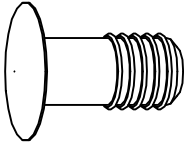
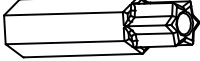


TYPE 1/2 & 3

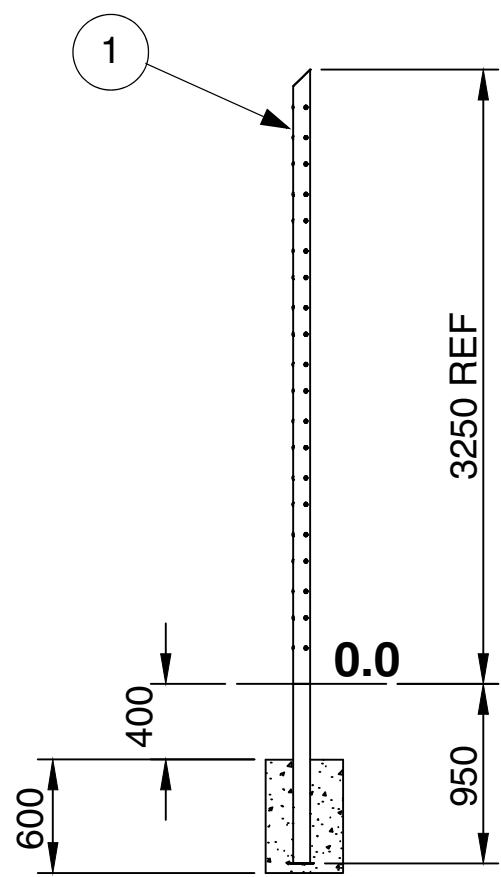
 101/144

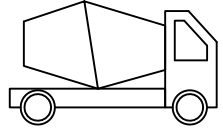




2.5 m

ITEM	REF	NXA-09	QTY	kg
1	92003001		1	49.00
2	92004010		7	0.75
3	10121065	 <p data-bbox="735 689 967 734">M10 X 65</p>	14	0.050
4	10301000	 <p data-bbox="727 902 959 936">M10 12X18X1</p>	14	0.001
5	19024501		46	0.001
6	10121000	 <p data-bbox="799 1272 983 1317">T45 M10</p>	1	-

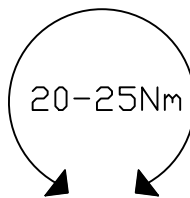
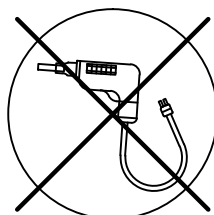
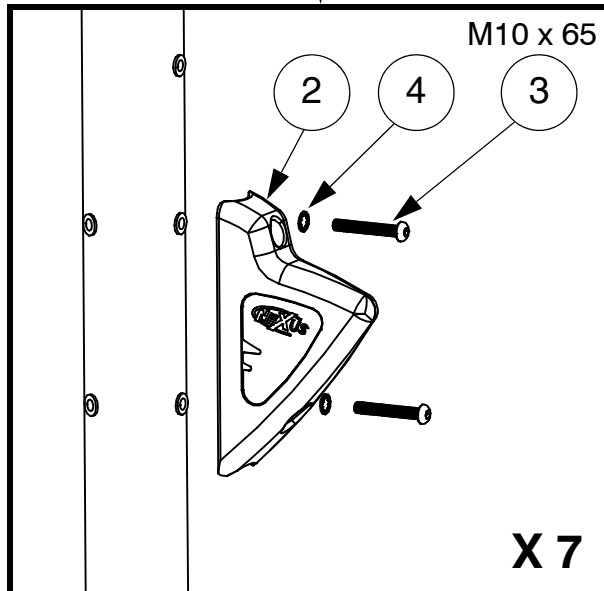
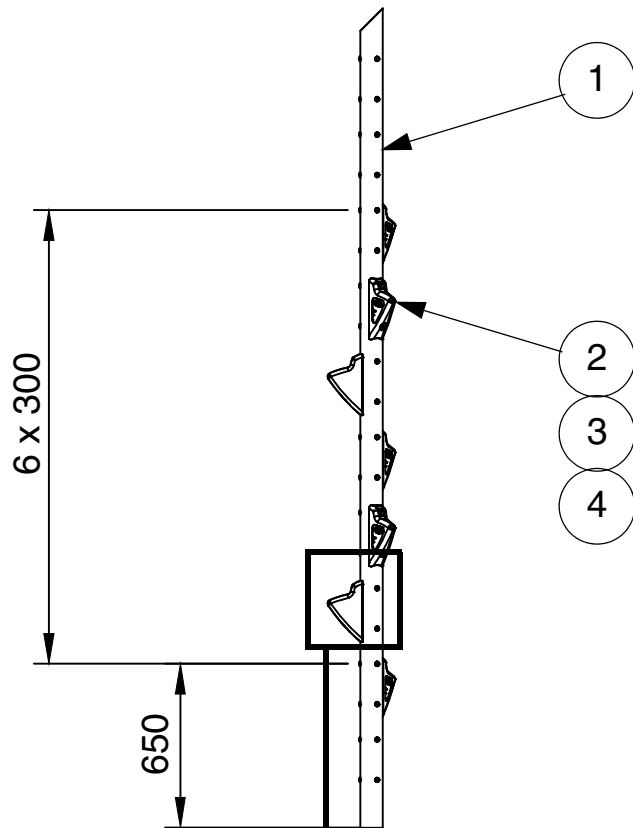
STEP 1



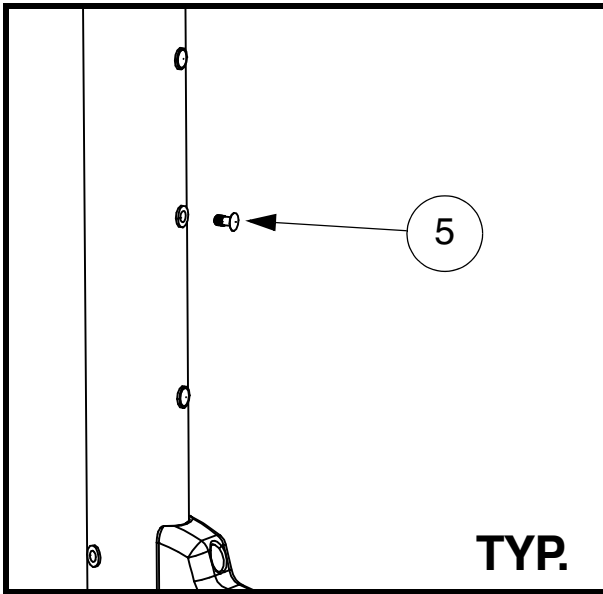
	
S2 (50mm)	
≥C20-25	
	7 x 24h
	101

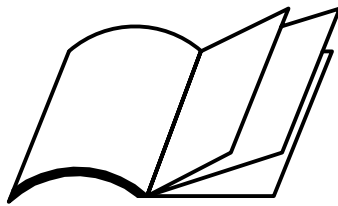
		3
---	---	----------

STEP 2

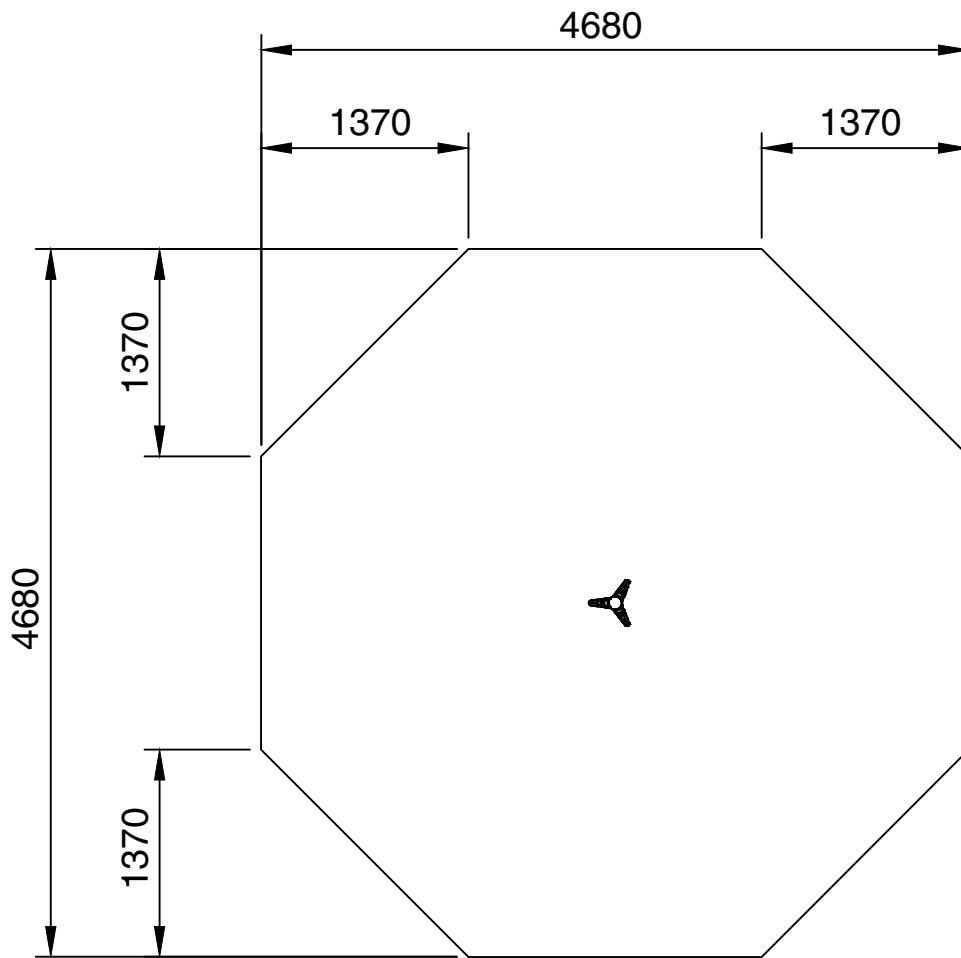


STEP 3

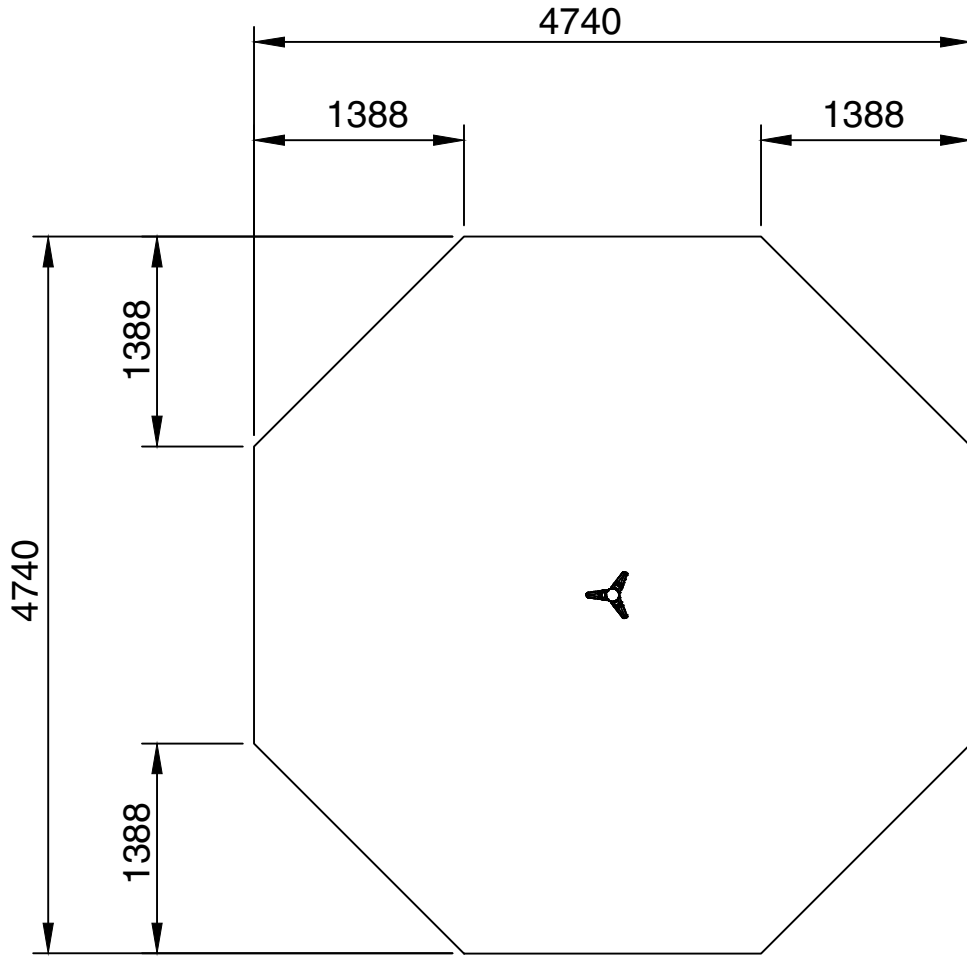




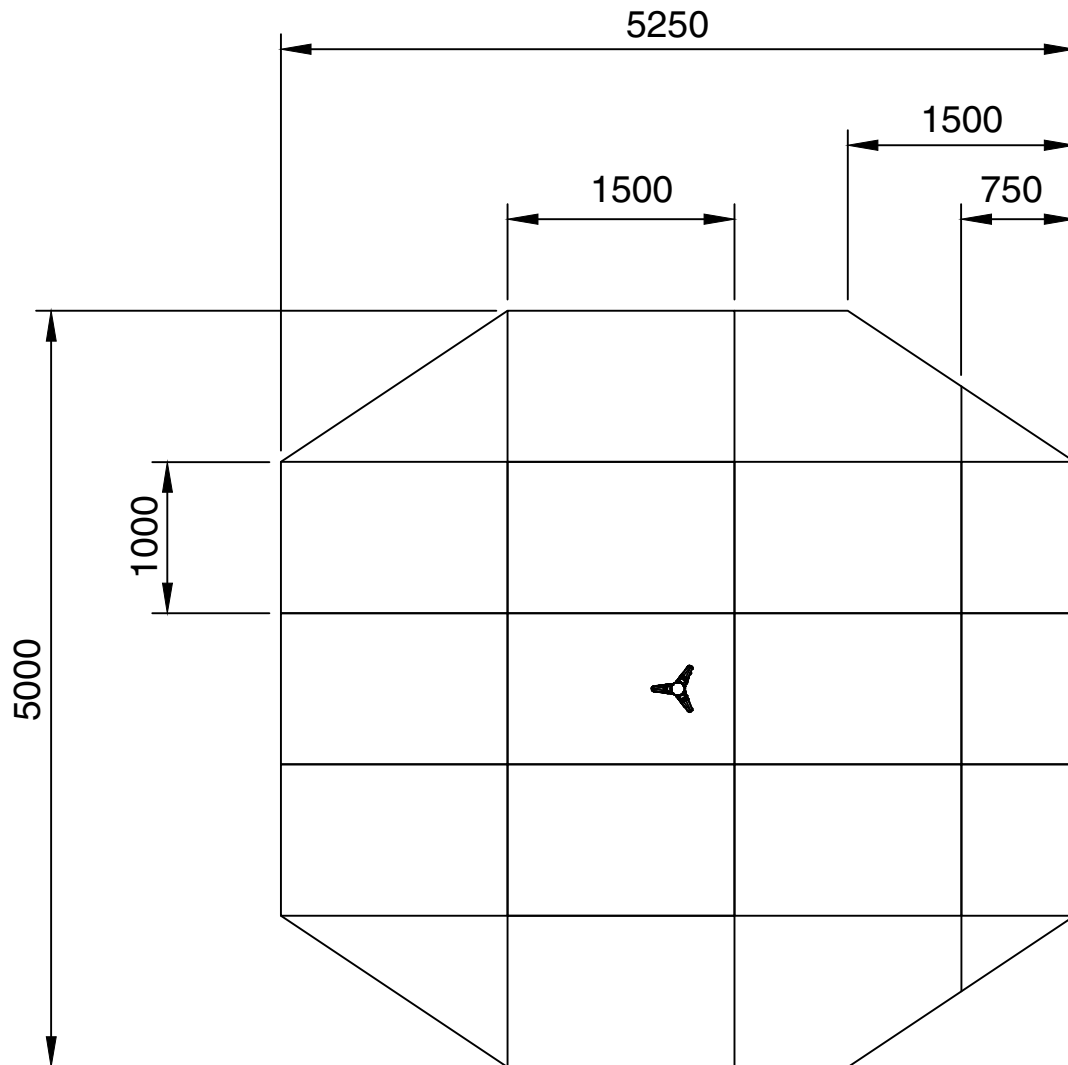
Appendix A:



TYPE 3 SYNTHETIC  144



TYPE 1/2 LOOSEFILL  144



TYPE 5 GRASSMATT FR  144

1 SAFE WORKING PRACTISE

A full risk assessment should be carried out prior to commencing the installation, which will be specific to the site selected. The major risks associated with purely the assembly of this product are highlighted below, which can form part of this overall assessment.

1.1 RISKS:

- i) Large parts which could be difficult to lift or handle.
- ii) Structure unstable until concrete footings have fully cured.
- iii) Parts at height that may require working overhead.
- iv) Heavy parts at height that require support during assembly

1.2 CONTROL MEASURES:

- i) Warn the public of the risk of injury, by placing signs and fencing the surrounding area, before commencing installation.
- ii) All staff working on installation to wear suitable PPE including Toe Protective Shoes, Hard hat and Gloves.
- iii) Any staff or other persons on site, not working directly on the installation, to be kept away from the installation.
- iv) Ensure adequate personal and equipment are on site to handle and support the structure whilst it is being assembled.
- v) Suitable working platform to provide secure access and provide support for parts required.

2 SPECIFICATIONS

SMP Playgrounds Ltd recommends an effective *Impact Absorbing Surface tested to EN1177 & BS7188* beneath this play equipment. Refer to manufacturers instructions for details of installation. The surface should have a Critical Fall Height greater than the Maximum Free Fall Height of the equipment.

Constructional Space is the approximate working area required to lay out and assemble the equipment.

For the safe operation of this equipment it must be installed on horizontal ground with the required minimum space.

The concrete foundations indicated are for average ground. Care should be taken concerning abnormal conditions.

If a loose fill surface is selected for this item it will require a very high level of maintenance to ensure a sufficient thickness is in place at all times to provide 'critical fall height' protection.

3 PREPARATION

All equipment assembly and fixing must conform to EN1176.

Before commencing the installation the surrounding area must be sufficiently fenced and signs erected to warn the public of the risk of injury.

Tools / ancillary equipment: 1 Mobile Platform, 10m tape measure, Spirit level, M10 Torx tool (Supplied with unit), Torque wrench. Loose fill: Masking tape, Paint brush, Black paint.

3.1 ESTABLISH ORIENTATION

- i) See Specifications for equipments 'Minimum space'.
- ii) Measure out the site to ensure the space required fits into the allotted area, it is horizontal and free from trip points or other obstructions.
- iii) Slides must not face south, run down or uphill.
- iv) Ensure the equipment is to be provided with an effective Impact Absorbing Surface which has a tested critical fall height rating greater than the maximum Free Fall Height of the equipment.

3.2 MARK OUT HOLES

Consult SMP layout drawing for structure position on site.

See **page 3** for concrete foundation size.

NOTE: This is a minimum guide only.

3.3 ESTABLISH DATUM LEVEL

- i) If a rubber tiled Impact Absorbing surface is to be laid, see separate instructions (base may incorporate up to 2% falls etc).
- ii) If equipment is to sit in loose fill or wet pour rubber surfaces allowances will need to be made for its recommended thickness. Generally it is recommended that loose fill surfaces are installed to a depth of 400mm, however, with certain loose fill materials an alternative depth may be required. This will need to be determined by allowing 100mm for the dispersal in addition to the thickness required for the particular Free Fall Height. The foundation illustrated will allow for a thickness up to 400mm.

PRE-INSTALLATION INSPECTION

Inspect all parts for damage (that may have occurred during transportation & storage). Finish Coatings, if found to be damaged these should be made good before erection (Refer to maintenance instructions). Any damaged or missing parts must be replaced.

4 INSTALLATION & ASSY PROCEDURES

- i) Refer to site layout for position and orientation of product, then, mark the outline of the position of the footings with e.g. spray or chalk etc. Excavate the holes. **See page 3.**
- ii) Place Post (item 1) into it's excavation at the correct height and ensure that it is firmly held in place so that no disturbance will occur during pouring of the concrete. **(STEP 1)**
- iii) Check that the Post has been positioned in the correct place, that it is plumb and square. **(STEP 1).**
- iv) Fill the hole with concrete to the required level, taking into account any Impact Absorbing Surfacing requirements. Ensure that the full volume of concrete is used. The top of the concrete should gradually (1:100) slope down & outwards locally from the equipment upstand to the required level to form a watershed.

Concrete mix is recommended at:
 1 part cement;
 2 parts sand;
 4 parts aggregate;
 by volume with 20mm aggregate
 (20 N/mm² min compressive strength)

- v) Keep installation off limits to the public until the concrete has completely cured. (Recommended initial curing time is 48 hours). **(STEP 1)**
- vi) If installation is with a loose fill type surface, the Posts should be marked with 'Basic level mark' to indicate the recommended finished surface level
- vii) Attach 7 off Thorn Climbing Grips (item 2) to Post (item1) at positions shown using 2 off M10 x 65 Resistox bolts (item 3) and M10 Shockproof Washers (item 4). Fully tighten. **(STEP 2).**

viii) In all fixing positions on the steel work that has not been utilised, the protective plug should be removed and the permanent black plastic plug (item 5) inserted and knocked home with a soft hammer. **(STEP 3)**.

5 POST INSTALLATION INSPECTION

CHECK	CHECK
1 The unit is installed at the correct height.	✓ <input type="checkbox"/>
2 All fixings are tightened to the correct torque and have no protruding sharp edges.	<input type="checkbox"/>
3 Paint work and polyethylene covers are not damaged (Any making good should be carried out using the procedure in the Inspection and Maintenance instructions).	<input type="checkbox"/>
4 Ensure all plastic plugs are correctly fitted.	<input type="checkbox"/>
5 Concrete foundations are secure.	<input type="checkbox"/>
6 Concrete has a water shed away from leg.	<input type="checkbox"/>
7 Adequate provision of Impact Absorbing Surfacing with no obstructions or other hazards within the equipments minimum space.	<input type="checkbox"/>
8 Site is clear of all tools and rubbish.	<input type="checkbox"/>
9 Remove any warning signs.	<input type="checkbox"/>