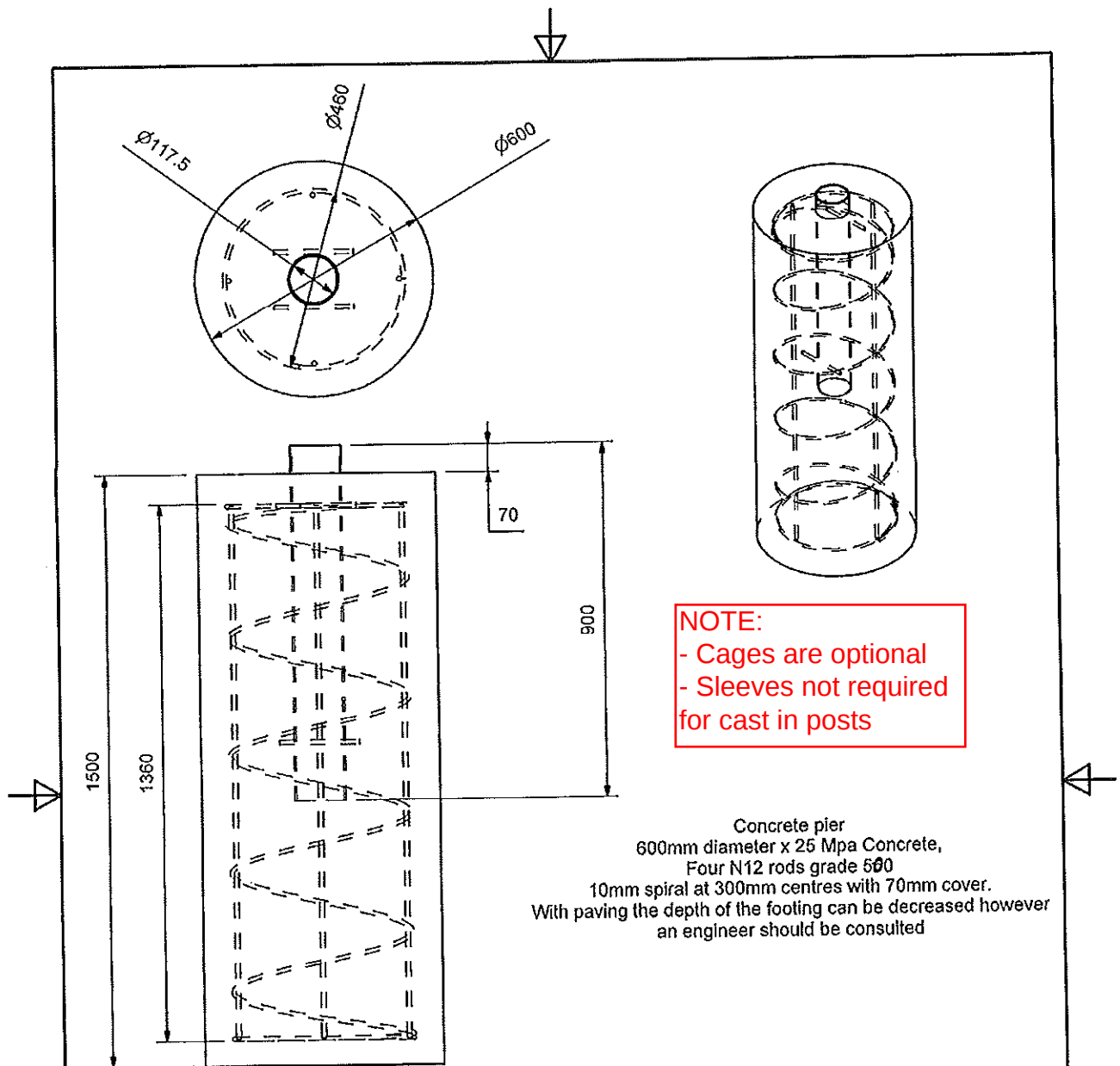




BB600, BB600R, BB736 & BB736R BASKETBALL TOWER INSTALLATION INSTRUCTIONS

1. Install sleeves leaving 75mm protrusion from ground level to top of sleeve.
Note: Sleeve holes as per wind loading schedule below.
Concrete to be raised around sleeve to concrete area to alleviate water penetration.
For cast in posts - cast into concrete so marking on post is level with finished ground
2. Leave concrete to cure for at least one week.
3. Install tower in sleeve.
 - 3a. Insert upright into sleeve. Align upper "through" bolt holes in the direction of the court. Tighten 3 x grub screws at the base to lock the flange/upright.
For cast in posts - Ignore step 3a
 - 3b. Slide corner assembly over upright keeping the 2 x welded nuts to the top of the structure. Fasten using 10mm x 150 bolt, washer and nylock nut. Tighten grub screw.
 - 3c. Insert horizontal outreach section into corner assembly and align "through" bolt holes with the same holes on the corner assembly. Fasten using 10mm x 150 bolt, washer and nylock nut. Tighten 3 x 10mm x 35 bolts
4. Install backboard on backboard support system with the 10mm cup head bolts, spring washers, flat washers and nuts supplied.
5. Install backboard support system by sliding over end of tower and lock in position when in the horizontal position with the four (4) 12mm lock bolts supplied.
6. Locate the (2) holes, top and bottom, in backboard support bracket, drill through both top and bottom of tower with 12mm drill, slide through 10mm x 150mm long bolt and install spring washer and nut.
7. Install basketball ring with 8mm bolts, mudguard washers and nyloc nuts.
8. Adjust the finished height of the backboard by adjusting the 10mm x 35 bolts at the connection of the horizontal outreach section to the corner assembly.

Please note: No responsibility for injury or damage will be accepted if items Nos. 6 and 7 are not carried out. No responsibility will be taken if the above structures are used for any means for which they were not intended.



Concrete pier
600mm diameter x 25 Mpa Concrete,
Four N12 rods grade 500
10mm spiral at 300mm centres with 70mm cover.
With paving the depth of the footing can be decreased however
an engineer should be consulted

GROUND CONDITIONS

Ground is controlled filling with certification of compaction to at least 95% Standard Compaction.
Natural ground where soil is of a granular nature (gravel, sand or silt) or is a firm clay.
A firm clay being such that no more than a slight indentation (say up to 5mm)
can be made applying full pressure to ones thumb.
Sides of excavation to stand vertically after boring hold and there is to be no water in the hole.

MK	QTY	PART NUMBER	DESCRIPTION	COMPONENT MATERIAL	LENGTH	MASS
1	1	CGS-03-117-900	117.5 x 870 GROUND SLEEVE			13.29
2	1	FOT-03-600-1500	600 X 1500 PIER			982.71
2.2	1	FOT-03-600-1500-02	600 X 1500 CAGE	500Mpa STEEL (N12)		10.75
Dwn		Chk'd	App'd	Date	Subject	Scale
UEL				16/06/2005	FOOTING DETAILS N3 (W41)	
GRAND SLAM 19 DEAKIN STREET BRENDALE Q 4500 Telephone 07 3205 3388 Facsimile 07 3205 3522 engineering@grand-slam.com.au			Title MODULAR BASKETBALL TOWER			
Sheet		Org No		Issue	Sheet	
A4		(Part No)		0	5 / 5	

HLG 16/6/05

WIND LOADING SCHEDULE:-

TABLE 1
DEPTH OF PIER D

	<u>W41</u>	<u>W33</u>
With paving	1000	1000
Without paving	1500	1300

**** 100mm thick concrete slab or cap around top
of pier at least 1.2m radius from centre of pier**

GROUND CONDITIONS

1. If ground is filling of uncontrolled or unknown compacted, then all piers to a depth of 1500.
2. If ground is controlled filling with certification of compaction to at least 90% Standard Compaction
then dimensions in table 1 apply.
3. Table 1 will apply to natural ground where soil is of granular nature (gravel, sand or silt) or is a firm clay.

A firm clay being such that no more than a slight indentation (say up to 5mm) can be made applying full pressure to ones thumb.

Sides of excavation to stand vertically after boring hole and there to be no water in the hole.

If rock is encountered pier to be founded at least 200 into rock and minimum depth of 750mm with concrete paving or a concrete cap around the top of the pier.

BOLT AND NUT GUIDE FOR MODELS BB600, BB600R, BB736 & BB736R

**** Note all nuts and bolts to be galvanised****

- | | |
|------------------------------------|---|
| 7 x 12mm x 35mm gal bolt | 1. Upright to Corner connection |
| | 2. Corner to outreach connection |
| | 3. Outreach to backboard frame connection |
| 4 x 12mm x 20mm gal grub screw | 4. Ground level flange |
| | 5. Upright to corner |
| 3 x 10mm x 150mm gal bolt | 6. Upright to Corner connection |
| | 7. Corner to outreach connection |
| | 8. Outreach to backboard frame |
| 2 x 12mm x 30mm gal bolt | 9. Netball ring |
| 4 x 10mm x 50mm gal bolt | 10. Backboard to backboard frame |
| 11 x 10mm x 40mm gal cuphead bolts | 11. Backboard to backboard frame, |
| 8 x 12mm gal nuts | |
| 2 x 12mm gal spring washers | |
| 7 x 10mm gal Nylock nuts | |
| 11 x 10mm gal nuts | |
| 11 x 10mm gal spring washers | |
| 18 x 10mm gal flat washer | |

Basketball Warning Stickers

If Queensland State School, use Q-Build Warning Stickers and Name Plates

NOTE:- This bolt & nut kit must be used completely when installing tower.

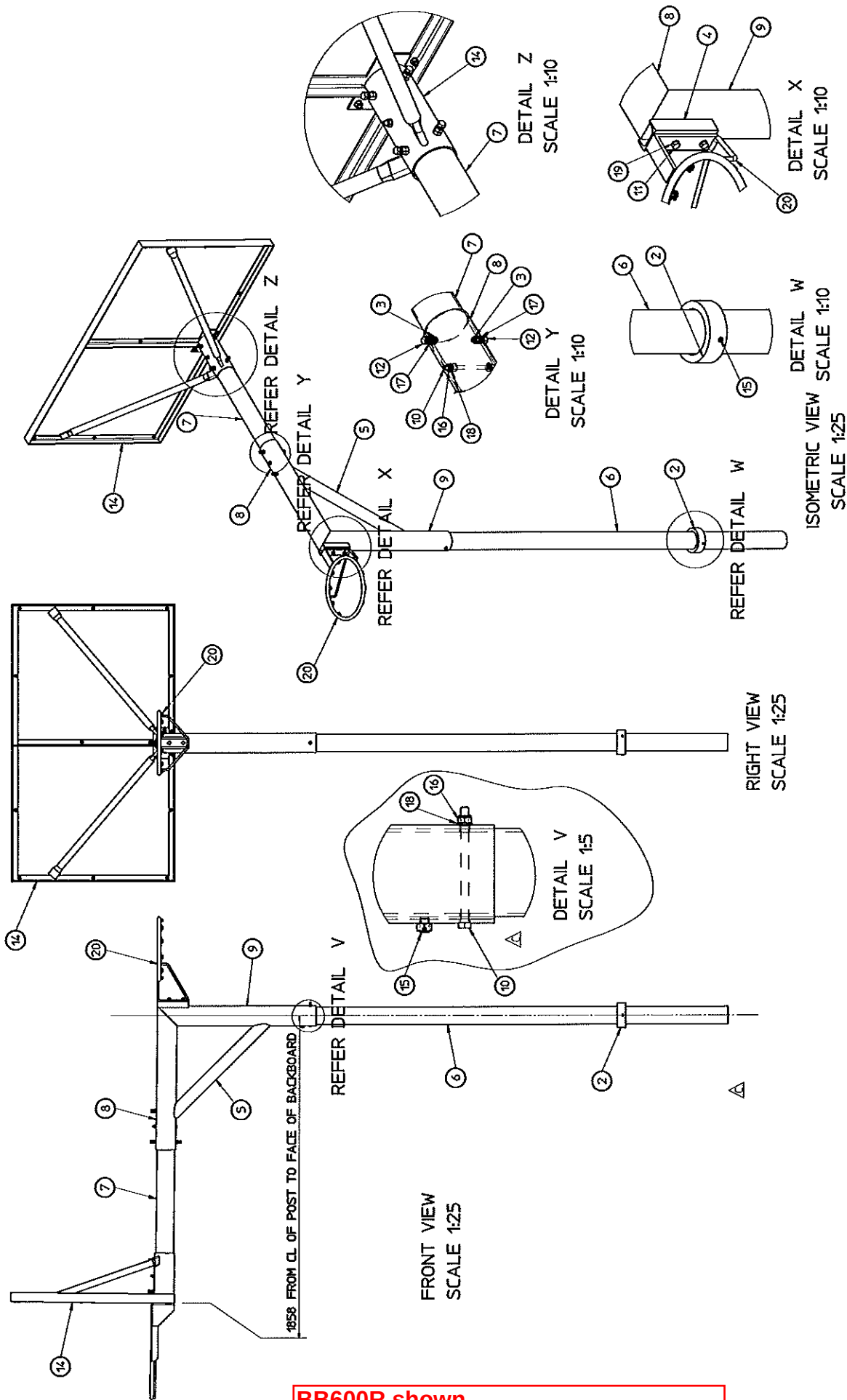
Our company holds no responsibility for injury or damage caused if the above instructions are not adhered to completely.

BB600, BB600R, BB736 & BB736R BASKETBALL TOWER MAINTENANCE INSTRUCTIONS

To ensure that your Basketball Equipment stays in perfect working order. Please follow the few basic procedures listed below.

- 1 Check at three (3) monthly intervals, that all lock nuts are securely fastened and have not dislodged due to constant vibration during play. If in the likely event that any nuts have loosened, tighten immediately.
- 2 Check at six (6) monthly intervals that all nuts on structure are securely in place and have not loosened due to constant vibration during play.

By following these few simple procedures, your Basketball Structures should give you years of trouble free use.



BB600R shown
BB736R has a distance from CL of
post to face of backboard of 2458mm

MATERIALS LIST:		WAREHOUSE
ITEM	QTY/STOCK CODE	STOCK DESCRIPTION SIZE
10	2	BAK68-10-50 10x50 BOLT GAL CLASS 4.6
11	2	BAK68-12-030 12x30 BOLT GAL CLASS 4.6
12	3	BAK68-12-035 12x35 BOLT GAL CLASS 4.6
13	1	BB629-01 PROFESSIONAL FIXED RING NET TUBES
14	1	BB6-054-01 SINGLE TOWER BACKBOARD FRAME
15	4	BUZTD-12-020 12x20 GRUB SCREW GAL
16	2	BLK68-10 10mm GAL NYLOCK
17	3	BMK68-12 12mm NUT GAL CLASS 4.6
18	2	BUZTB-10-1 10mm WASHER GAL
19	2	BVZTX-12-1 12mm SPRING WASHER GAL
20	1	SFB-0761-023 76x23 CHS BLACK
		857

NOTES

REV	DESCRIPTION	DATE	CHK	FINISH
A	ISSUED FOR APPROVAL	5.06.12	ID	UPRIGHTS AND OUTREACH PARTS PRE-GALVANISED
B	HOLE REVISED FROM 12.5mm to 13mm	5.06.12	ID	ELBOW HOT DIPPED GALVANISED AFTER FABRICATION
C	FIXINGS REVISED	14.06.12	ID	GENERAL:

AREA

BASKETBALL - OUTDOOR

FOR APPROVAL

BASKETBALL TOWERS

HEAVY DUTY 1800 REACH

DRAWING NUMBER

BB600R

REV SH 1

C OF 2

A3

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SAFETY WARNING

Installing a Basketball Ring and Backboard safely.

- Do not fix a Basketball Ring and Backboard to brickwork
- Do not use a Basketball Ring and Backboard mounted on brickwork

*Unless assessed as safe by a suitably qualified person

Fix the Basketball Ring and Backboard to a 'hot-dip' galvanised steel post.

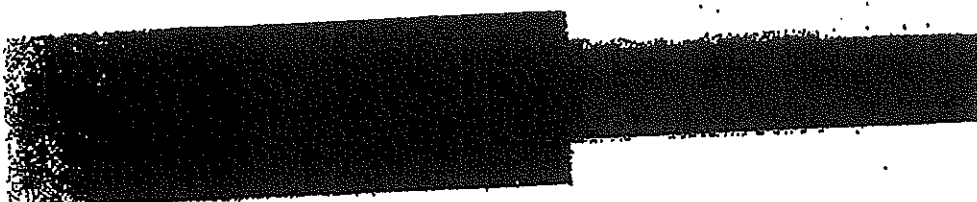
- A ring and backboard should be fixed to a 'hot-dipped' steel post;
- Backboards 1200 W x 900 H should be fixed to a 65mm x 2.5mm square post set in a concrete footing of 1000mm deep by 500mm wide.
- Backboards 1800 W x 1050mm H should be fixed to a 115mm x 4.5mm Round Post, set in a concrete footing of 1500mm deep by 600mm wide.
- Follow the manufacturer's instruction when attaching the basketball Ring to the Backboard and the Backboard to the Post.

Check the condition of the Installation.

- Check the stability of the post, brick wall or other supporting structure on a regular basis as the installation can deteriorate over time.
- Ensure a structural engineer if you have any doubt about the safety or stability of the installation.



WARNING;
Improper installation or swinging of the ring may cause serious injury or death.



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IMPORTANT

WARNING STICKERS

Due to the stickers on the towers being damaged in transport and installation, we have been asked by the installers not to place the Warning Sticker on the towers before delivery.

It is the installer's responsibility, to make sure on completion of the installation that the Warning Sticker is attached to the pole at 1200mm above ground on the court face and another sticker is to be placed on the top left hand corner of the backboard.

Should you require a replacement please contact Grand Slam.