



2/3/2025

AFL POSTS RANGE

Installation, Operation &
Maintenance Manual

PLAY HARD SPORTS EQUIPMENT

13 Alex Fisher Drive
Burleigh Heads, QLD 4220

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Introduction

Thank you for choosing the AR Series AFL Goal Posts from Play Hard Sports Equipment Australia. Our goalposts are designed to provide durability, stability, and top performance for AFL fields. This manual will guide you through assembly, installation, and maintenance to ensure optimal use of your new goalposts.

About the AR Series

The AR Series AFL Goals are designed and manufactured by Play Hard Sports Equipment using Structural Grade Aluminium. The footing plan for the Goals has been engineered and certified by Structural Engineers. All the materials used in our products have been locally sourced. Standard Goals and Behind Goals are available at 10/6m, 12/8m, and 15/10m heights for state, regional, and local usage. Goals with lower heights (9m and 6m) are also available. Custom height goals are also available upon request.

All goals of 9m height or below are supplied with Ground Sleeves and caps and all goals 10m or higher are provided with hinged ground spigots and a footing cage for easy installation. The hinged spigot goals are supplied with footing covering the base of the footing.

Table 1: AR series product description

| Series | Goal Height | Behind/Point Height | Size (OD) | Material | Base Detail | Footing Details |
|--------|-------------|---------------------|-------------|-----------|------------------|---|
| AR42 | 4 meters | 2 meters | 60.3 & 60.3 | Steel | In Ground Sleeve | 300 Dia x 600 Deep, No Footing Cage |
| AR64 | 6 meters | 4 meters | 60 & 60 | Aluminium | In Ground Sleeve | 400 Dia x 900/800 Deep, No Footing Cage |
| AR85 | 8 meters | 5 meters | 76.2 & 76.2 | Aluminium | In Ground Sleeve | 450 Dia x 1200/900 Deep, No Footing Cage |
| AR96 | 9 meters | 6 meters | 76.1 & 60.3 | Aluminium | In Ground Sleeve | 450 Dia x 1200/900 Deep, No Footing Cage |
| AR106 | 10 meters | 6 meters | 127 & 100 | Aluminium | In Hinged Spigot | 600 Dia x 1850/1400 Deep, with Footing Cage |
| AR128 | 12 meters | 8 meters | 127 & 100 | Aluminium | In Hinged Spigot | 600 Dia x 1850/1400 Deep, with Footing Cage |
| AR150 | 15 meters | 10 meters | 127 & 127 | Aluminium | In Hinged Spigot | 600 Dia x 1850/1400 Deep, with Footing Cage |



Figure 1: Ar128 Goal Posts

Certificate of Compliance:

All our Goals have been structurally designed and are made using structural grade aluminium (6005A or 6082). All the workmanship is completed following the relevant Australian Standards. Our Products comply with the following Australian Standards.

1. AS/NZS 4100:1998 Steel Structures
2. AS/NZS 1554.1:2014 Welding of steel structures
3. AS/NZS 1664 Aluminium structures
4. AS/NZS 1665:2004 Welding of aluminium structures
5. AS/NZS 2312.1:2017 Guide to the protection of structural steel against atmospheric corrosion by the use of protective coatings
6. AS/NZS 2311:2017 Guide to the paintings of buildings
7. AS/NZS 4680:2006 Hot-dip galvanized (Zinc) coatings on fabricated ferrous articles

All our products are designed and manufactured here in Australia.



Safety Information for Installer:

Important Safety Information

- **Read the Manual:** Ensure you read this manual in full before beginning assembly or installation.
- **Supervision:** Children should be supervised around the goalposts during and after installation.
- **Wear Safety Gear:** Always wear appropriate safety gear during assembly and installation.
- **Avoid Electrical Hazards:** Keep electrical tools away from the goalposts and ensure the work area is dry.

Assembly Precautions

- **Two-Person Job:** Assembly requires at least two people to ensure safety and accuracy.
- **Check Parts:** Verify all parts are present and undamaged before starting assembly.
- **Level Ground:** Assemble on a flat surface to avoid instability.

Site Specific Precautions:

- Before commencing any groundwork, please survey the ground/field for underground electrical, water, or sewage lines and check for overhead electrical lines.
- It is advised that the soil is tested to know its strength. All our Goalposts have been structurally designed to suit 'A', 'S' & 'M' Soils per AS2870. The contractors/installers must notify Play Hard Sports Equipment of any changes to the site specification. All other soil sites would require site-specific footing and slab engineering design.
- The concrete must be of a minimum 20 MPA, with a slump of 80 – 100 mm, and a maximum aggregate of size 20mm.
- Let the concrete set for at least 4 days before commencing further work.

Installation Instructions

1. Site Preparation:

- Before commencing any groundwork, please survey the ground/field for underground electrical, water, or sewage lines and check for overhead electrical lines.
- It is advised that the soil is tested to know its strength. All our Goalposts have been structurally designed to suit 'A', 'S' & 'M' Soils per AS2870. The contractors/installers must notify Play Hard Sports Equipment of any changes to the site specification. All other soil sites would require site-specific footing and slab engineering design.

2. Ground Sleeve Installation (LU9 Series)

- Bore drill the required holes (Refer to Footing Detail Diagram).
- Insert the Ground Sleeves and use a spirit level to ensure it is straight, at level with the playing field, and centred to the hole.
- Pour the concrete into the hole. *(Prevent any concrete from getting inside the ground sleeve)*
- The concrete must be of a minimum 20 MPA, with a slump of 80 – 100 mm, and a maximum aggregate of size 20mm.
- Let the concrete set for at least 4 days before commencing further work.

3. Hinged Spigot Installation (LU12/LU16/LU18)

- Bore drill the required holes (Refer to Footing Detail Diagram).
- Insert the footing cage and use the supplied template and a spirit level to ensure it is straight.
- Pour the concrete into the hole. The concrete must be of a minimum 20 MPA, with a slump of 80 – 100 mm, and a maximum aggregate of size 20mm.
- Let the concrete set for at least 4 days before commencing further work.

4. Post Installation

- For multi-section posts, connect extensions using the internal sleeve system.
- Attach the crossbar to the uprights using the provided clamps.
- Raise the assembled goalpost and secure it to the ground sleeve or hinged spigot. Refer to Individual Assembly Instructions for each model for detailed assembly instructions.
- Check all connections and ensure the posts are plumb.

5. Add Padding:

- Attach the padding to the posts if available. Even though the padding is optional, it is highly recommended to use a post padding for safety reasons.
- Ensure padding is firmly in place and covers all metal surfaces to the required height.

Assembly Diagram

1. AR106: 10 Meters Goal Posts & 6 Meters Behind Posts

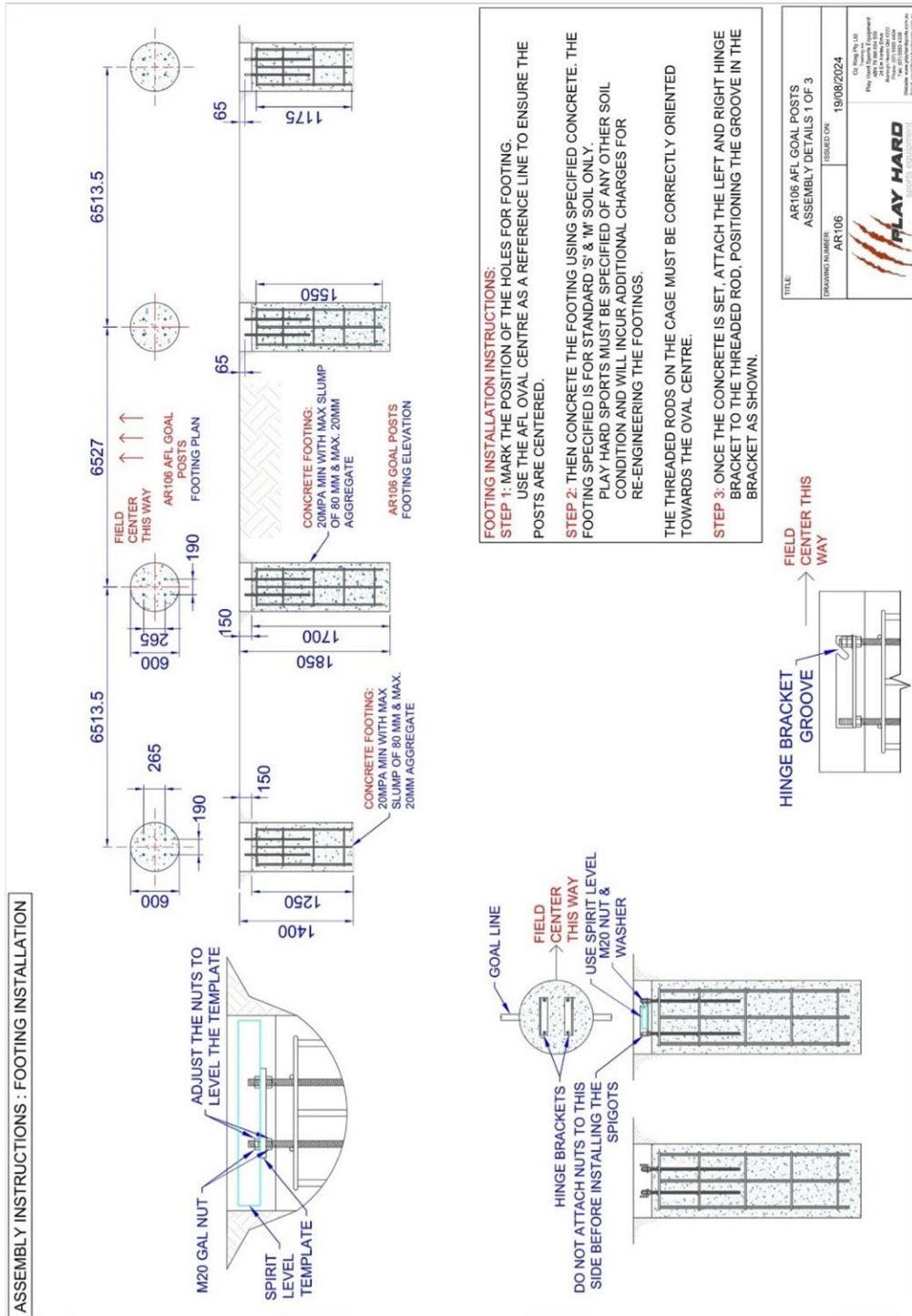
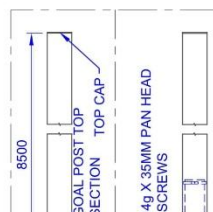


Figure 2: AR106 Footing Detail

Figure 3: AR106 Assembly Instructions 2 of 3

ASSEMBLY INSTRUCTIONS : POST INSTALLATION

2

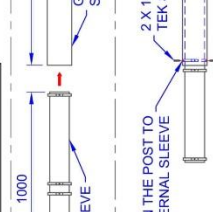


INTERNAL SLEEVE

GOAL POST TOP SECTION

TOP CAP

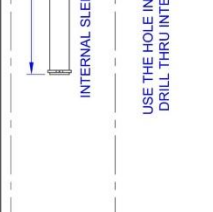
3



USE THE HOLE IN THE POST TO DRILL THRU INTERNAL SLEEVE

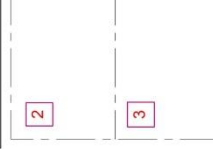
2 X 14g X 35MM PAN HEAD TEK SCREWS

4



GOAL POST BOTTOM SECTION

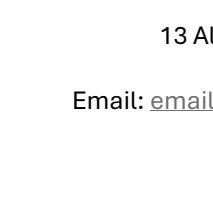
4-5



GOAL POST SPIGOT

USE THE HOLE IN THE POST TO DRILL THRU INTERNAL SLEEVE

5



USE THE HOLE IN THE POST TO DRILL THRU INTERNAL SLEEVE AND SCREW 2 X 14g X 35MM TEK SCREWS

FOOTING INSTALLATION INSTRUCTIONS:

STEP 1: IDENTIFY THE COMPONENTS SUPPLIED USING THE PACKING LIST. CONTACT US AS SOON AS POSSIBLE IF ANY PARTS ARE MISSING.

STEP 2: SLIDE THE INTERNAL SLEEVE 500MM INSIDE THE TOP SECTION.

STEP 3: THEN, USING THE HOLES IN THE TOP SECTION DRILL 3 X HOLES INTO 5MM Ø HOLES INTO THE INTERNAL SLEEVE AND SCREW 2 X 14g X 35MM PAN HEAD TEK SCREWS.

STEP 4: THEN JOIN THE BOTTOM SECTION TO THE INTERNAL SLEEVE AND REPEAT STEP 3.

STEP 5: SLIDE IN THE POST SPIGOT INTO THE GOAL POST BOTTOM SECTION AND REPEAT STEP 3.

REPEAT STEP 2 - 3 FOR BEHIND/POINT POST ASSEMBLY

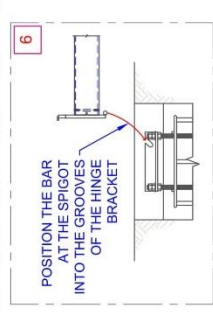
STEP 6: THEN POSITION THE PIN AT THE SPIGOT INTO THE HINGE BRACKET.

STEP 7: USING A LIFTING AID RAISE THE POST UP. YOU CAN USE CROSS BAR ATTACHED ACROSS A TRACTOR REAR TO RAISE OR LOWER THE POSTS.

STEP 8: THEN FIX THE ASSEMBLY USING M20 NUT AND WASHER. THEY SHOULD BE PROPERLY TIGHTENED.

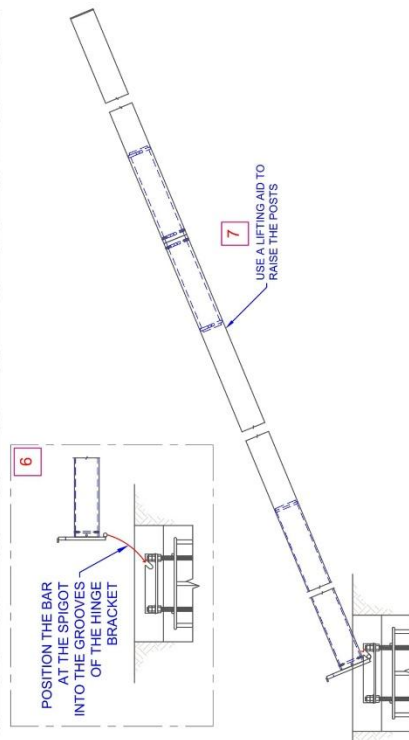
STEP 9: INSTALL FOOTING COVERS OVER THE BASE

6



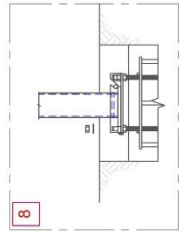
POSITION THE BAR AT THE SPIGOT INTO THE GROOVES OF THE HINGE BRACKET

7



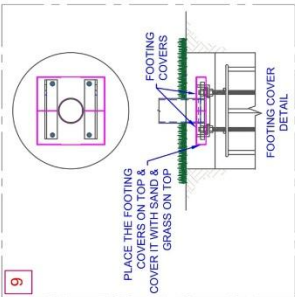
USE A LIFTING AID TO RAISE THE POSTS

8



FOOTING COVER DETAIL

9




PLACE THE FOOTING COVERS ON TOP & COVER IT WITH SAND & GRASS ON TOP

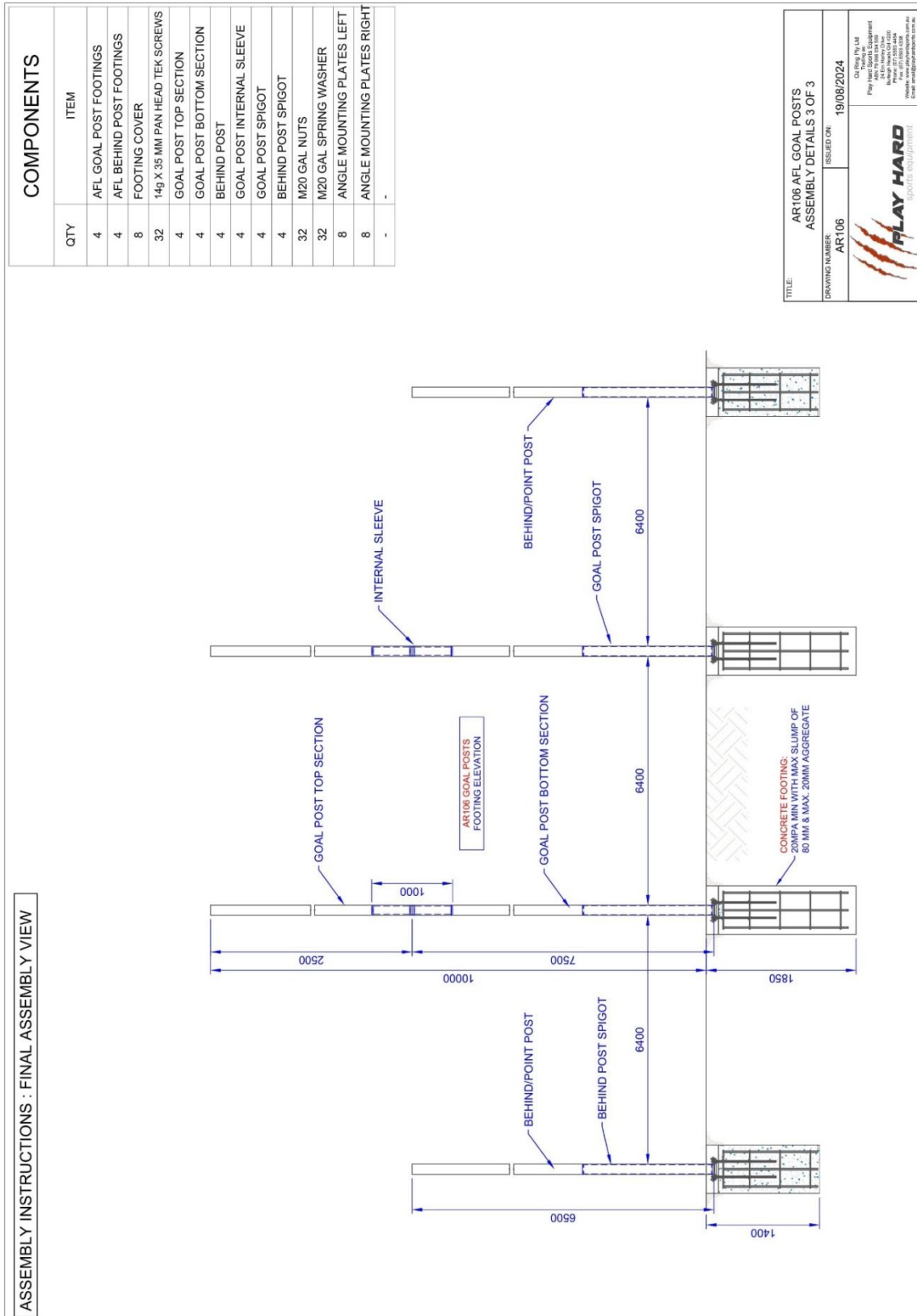
FOOTING COVERS

FOOTING COVER DETAIL

| | |
|---|--|
| TITLE AR106 AFL GOAL POSTS ASSEMBLY DETAILS 2 OF 3 | ISSUED ON 19/08/2024 |
| DRAWING NUMBER AR106 | On Range Pty Ltd Play Hard Sports Equipment 2711a Waverley Drive Waverley VIC 3090 Phone: 08 8558 1888 Email: sales@playhardsports.com.au Website: www.playhardsports.com.au |



Assembly instructions 3 of 3

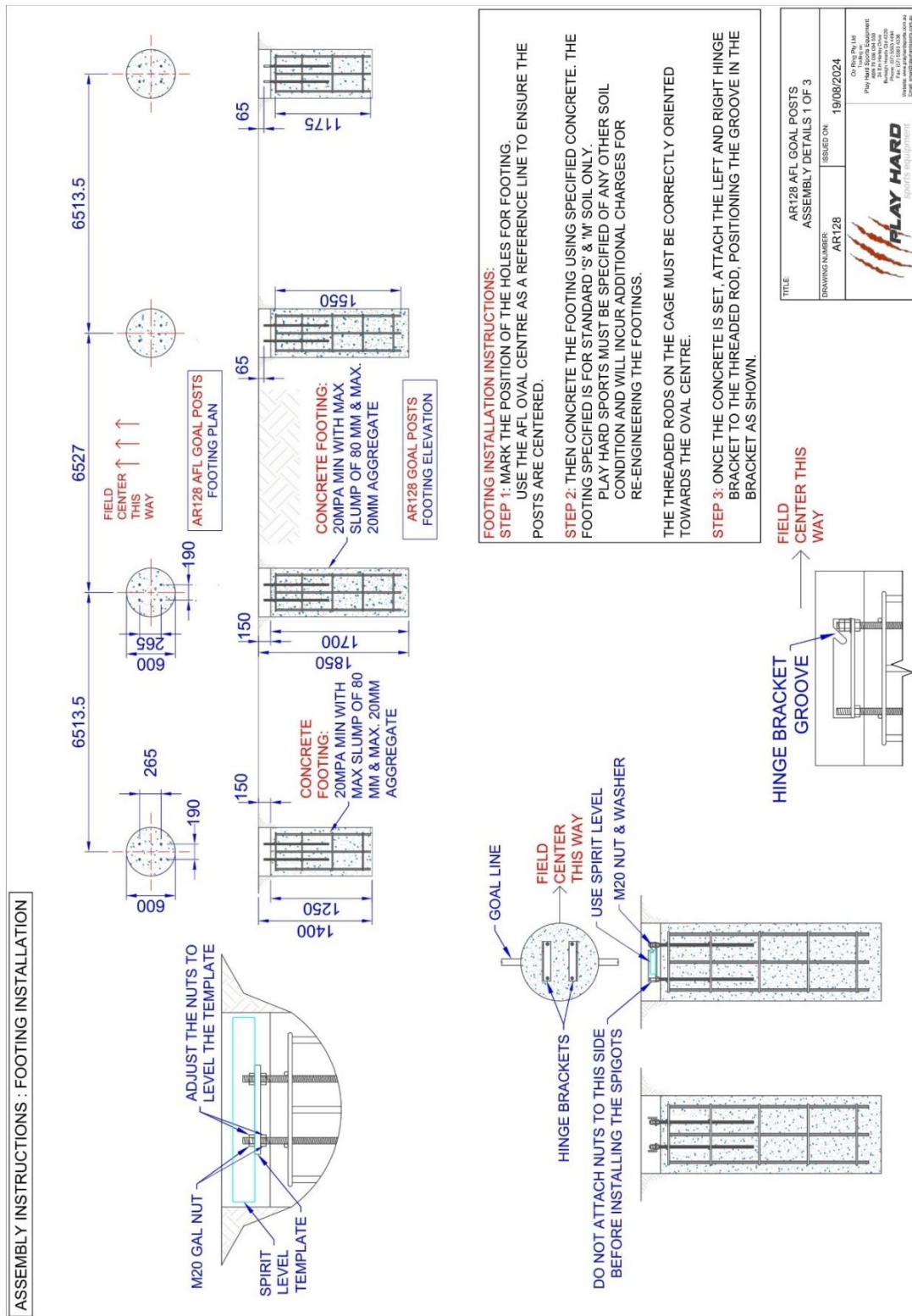


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2. AR128: 12 Meters Goal Posts & 8 Meters Behind Posts



ASSEMBLY INSTRUCTIONS : POST INSTALLATION

2

3

4

4-5

5

6

7

FOOTING INSTALLATION INSTRUCTIONS:
STEP 1: IDENTIFY THE COMPONENTS SUPPLIED USING THE PACKING LIST. CONTACT US AS SOON AS POSSIBLE IF ANY PARTS ARE MISSING.
STEP 2: SLIDE THE INTERNAL SLEEVE 500MM INSIDE THE TOP SECTION.
STEP 3: THEN, USING THE HOLES IN THE TOP SECTION DRILL 3 X HOLES INTO 5MM Ø HOLES INTO THE INTERNAL SLEEVE AND SCREW 2 X 14g X 35MM PAN HEAD TEK SCREWS.
STEP 4: THEN JOIN THE BOTTOM SECTION TO THE INTERNAL SLEEVE AND REPEAT STEP 3.
STEP 5: SLIDE IN THE POST SPIGOT INTO THE GOAL POST BOTTOM SECTION AND REPEAT STEP 3.
REPEAT STEP 2 - 3 FOR BEHIND/POINT POST ASSEMBLY
STEP 6: THEN POSITION THE PIN AT THE SPIGOT INTO THE HINGE BRACKET.
STEP 7: USING A LIFTING AID RAISE THE POST UP.
 YOU CAN USE CROSS BAR ATTACHED ACROSS A TRACTOR REAR TO RAISE OR LOWER THE POSTS.
STEP 8: THEN FIX THE ASSEMBLY USING M20 NUT AND WASHER. THEY SHOULD BE PROPERLY TIGHTENED.
STEP 9: INSTALL FOOTING COVERS OVER THE BASE

8

9

| | | | |
|--|--|------------|------------|
| TITLE: | AR128 AFL GOAL POSTS ASSEMBLY DETAILS 2 OF 3 | ISSUED ON: | 19/08/2024 |
| DRAWING NUMBER: | AR128 | | |
| © Play Hard Pty Ltd Play Hard Sports Equipment 13 Alex Fisher Drive, Burleigh Heads, QLD 4220 Australia Phone: +61 7 5593 4494 Email: email@playhardsports.com.au Website: www.playhardsports.com.au | | | |

Figure 5: AR128 Assembly Instructions 2 of 3

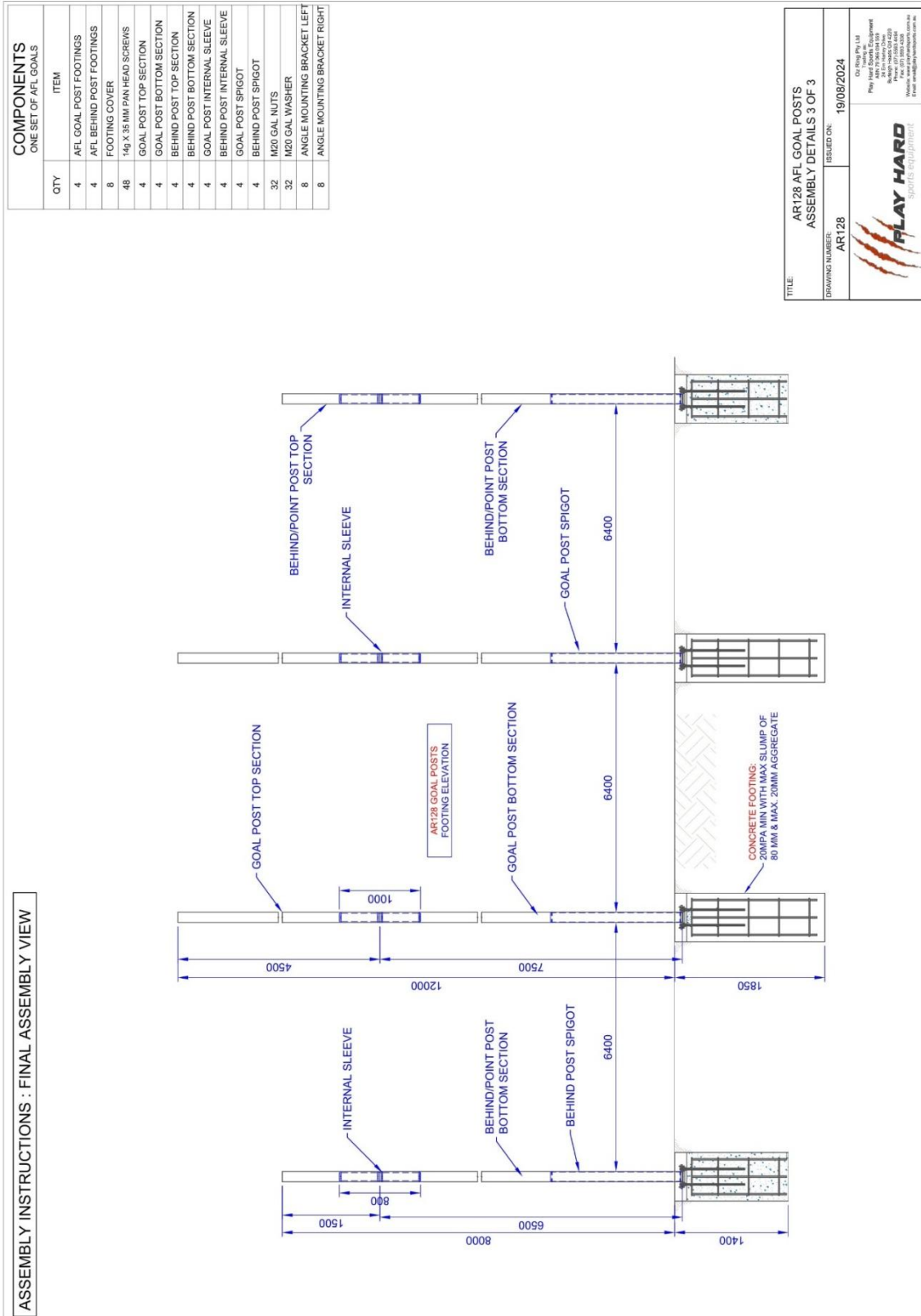


Figure 6: AR128 Assembly Instructions 3 of 3

3. AR150: 15 Meters Goal Posts & 10 Meters Behind Posts

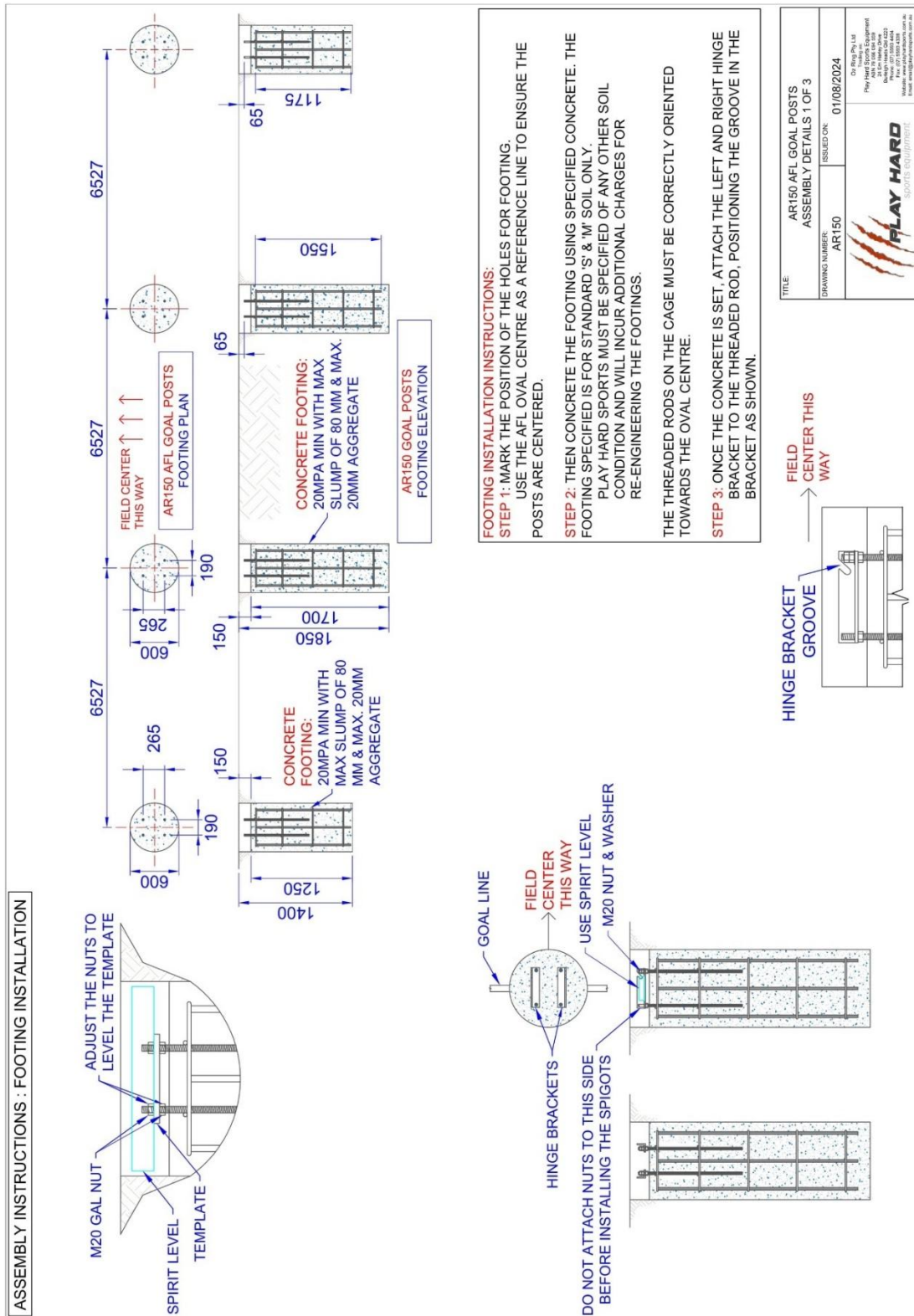


Figure 7: AR150 Footing Details

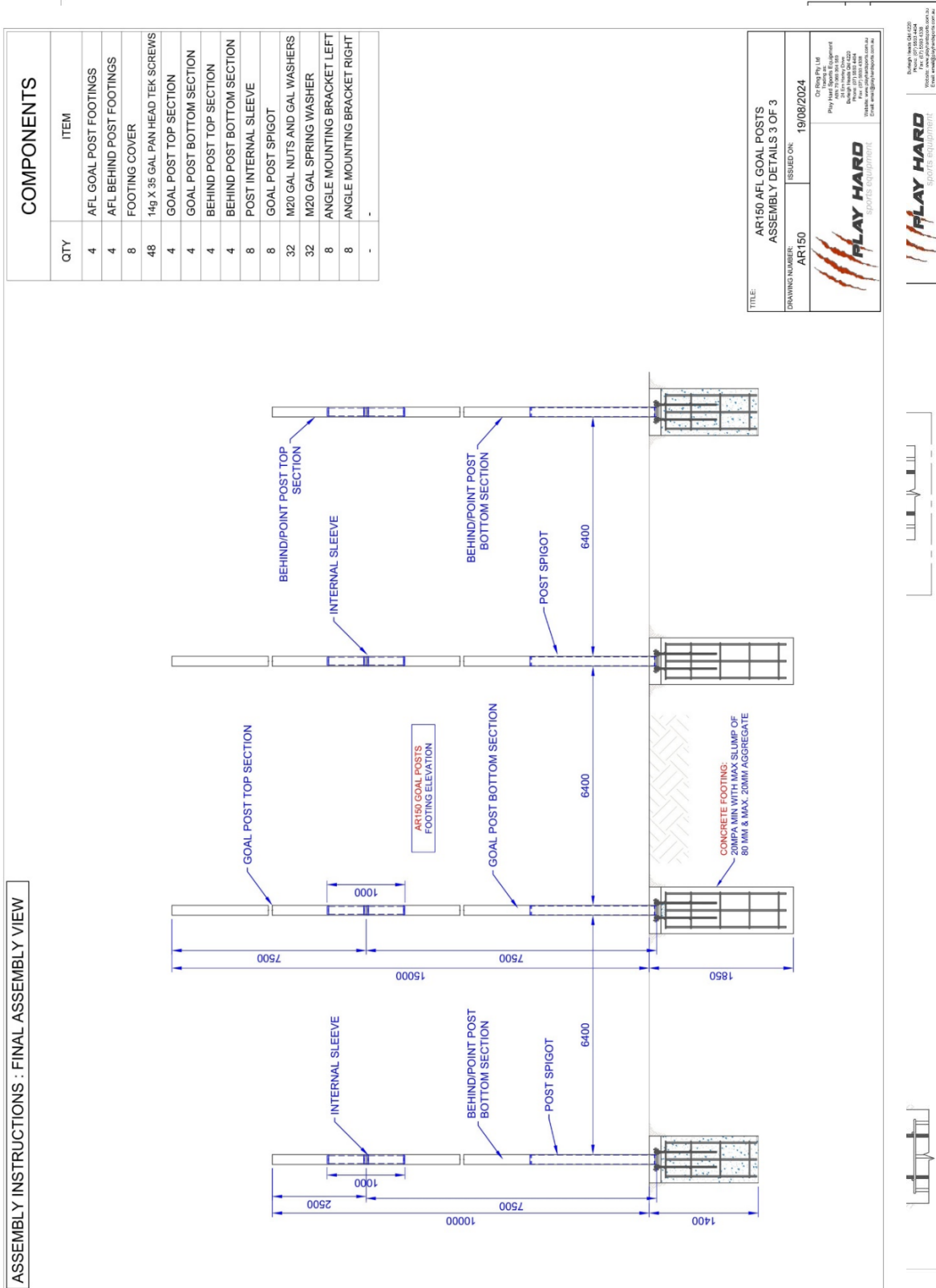


Figure 9: AR150 Assembly

Figure 8: AR150 Assembly Instructions 2 of 3

Instructions 3 of 3

4. AR96: 9 Meters Goal Posts & 6 Meters Behind Posts

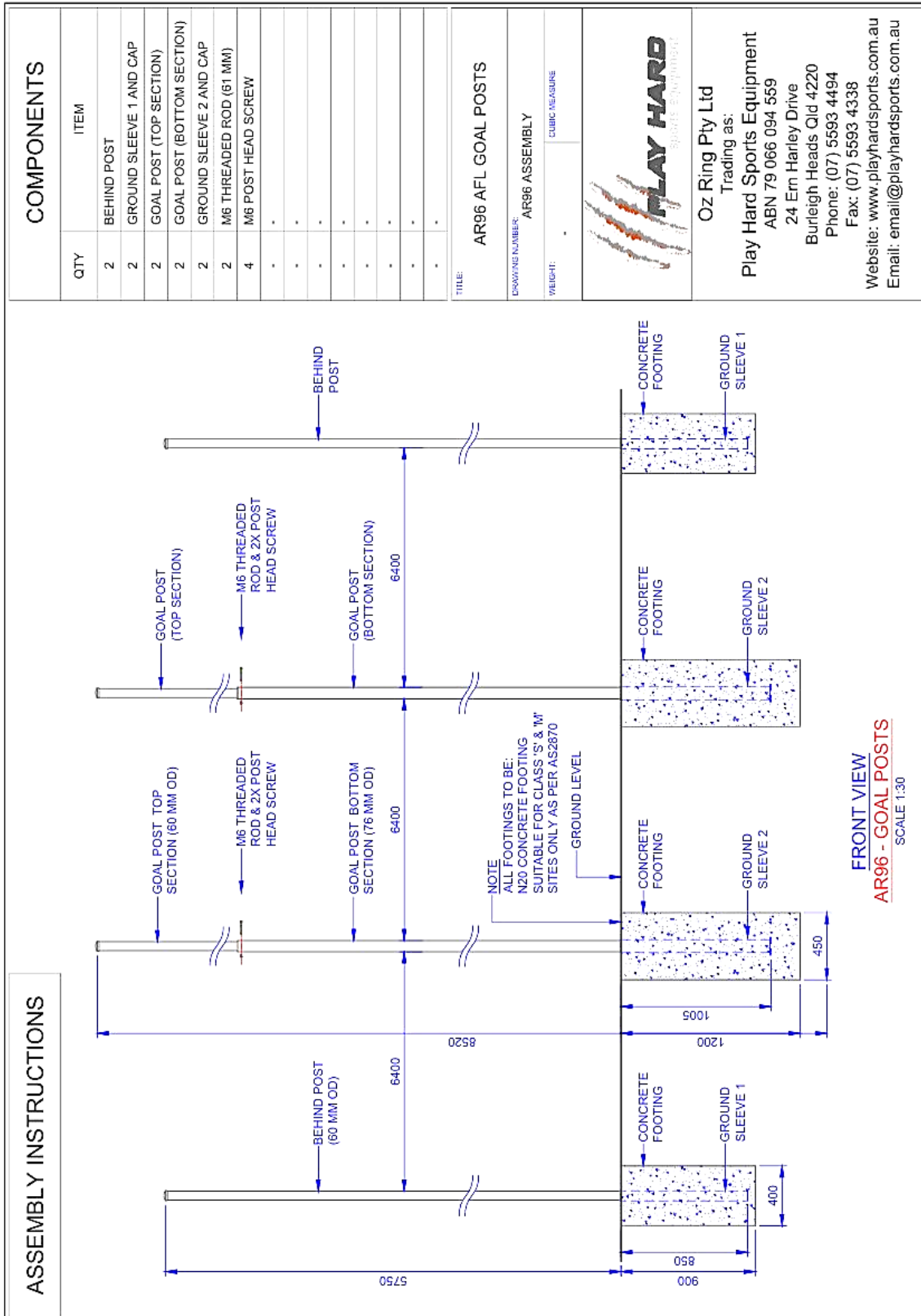


Figure 10: AR96 ASSEMBLY DETAILS

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5. AR64a: 6 Meters Goal Posts & 4 Meters Behind Posts

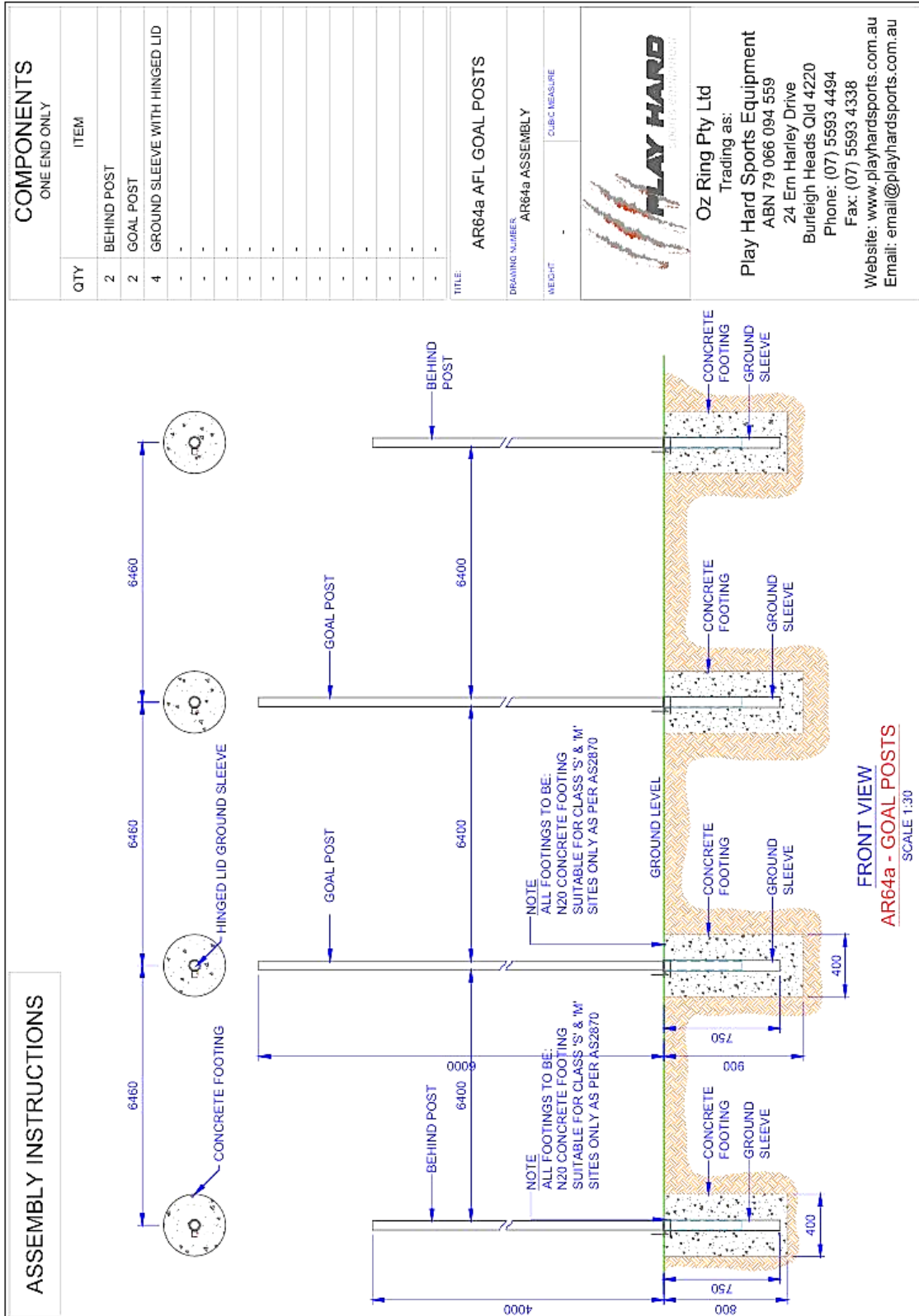


Figure 11: AR64a ASSEMBLY DETAIL

Maintenance:

All our Goals are designed to require a minimal level of maintenance. However, it is advisable to:

- **Regular Inspections:** Check for any signs of wear or damage. Tighten bolts and replace nets or padding as needed.
- **Cleaning:** Clean the posts with a damp cloth to remove dirt. Avoid harsh chemicals that could damage the paint. If the poles have been scratched over the intended period of use, lightly scuff the area and apply 2 coats of white gloss paint (spray painted).
- **Weather Protection:** Consider using protective covers during extreme weather to extend the lifespan of the equipment.

Safety Guidelines (Usage)

1. **Padding:**
 - Ensure padding is securely attached to reduce injury risk.
2. **Supervision:**
 - Supervise play, especially with younger players, to ensure safety.
3. **Post Removal Post Season:**
 - Care must be taken while lowering and removing the posts during the offseason.
4. During visual inspection, if the bolts are loosened or the post or footing is damaged, the post should not be used until they have been repaired.

Warranty Certificate:



When you purchase a Play Hard Sports Equipment product you have the peace of mind in knowing that your product is covered by Play Hard Sports Equipment's 5-year manufacturer's warranty against faulty workmanship and materials.

The warranty covers damage or failure of the product during normal intended use. The warranty does not include damage to the product resulting from accident, misuse, improper installation, operation, or unauthorised repair or alteration. Products manufactured for home use are not guaranteed for use in commercial applications.

If the product should become defective within the warranty period, please get in touch with Play Hard Sports Equipment customer service:

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Email: email@playhardsports.com.au