



Model: 7300
Master Volleyball System



Installation, Operation and Maintenance Instructions

Please read all instructions before attempting installation or operation of these units

SAVE THESE INSTRUCTIONS FOR FUTURE USE

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Table of Contents

<u>Section</u>	<u>PageNo.</u>
Introduction	2
Parts List by Sub-Assembly	2
Parts Checklist	3
Floor Sleeve Installation	4-5
Floor Cover Installation	6
Net Installation Instructions	7-9
Maintenance Check Sheet	10



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Introduction

Thank you for your purchase of a Gared Sports model 7300 Master Telescopic Volleyball System. To ensure that our equipment will provide years of use to you, we are including this installation, operation, and maintenance guide. This guide will provide information on the proper assembly and installation methods, operating procedures, and preventative maintenance of your portable backstop.

Please note that a Bill of Materials is being included with this guide. Please check that all of the parts called out on the Bill of Materials are present prior to beginning assembly and setup. Please do not substitute for factory parts. Please contact the PSS or Gared Sports customer service department and allow them to determine if substitute parts are acceptable.

It is recommended that an individual who has been properly trained perform operation of the volleyball system. No one under the age of 18 should operate this unit, unless properly supervised.

To prevent normal wear and tear from shortening the life of the unit, preventative maintenance inspections and repairs should be performed at least once per year. If the units are subject to high or unusual usage, inspections should be scheduled to occur more frequently. If items are found to be nonconforming, replacements can be ordered from PSS or Gared Sports or one of our authorized dealers. When contacting PSS or Gared Sports, please have information regarding the dealer/installer who sold the unit, the name of the project, and any applicable warranty information.

Parts List by Sub-Assembly

Part Number	Description	Qty
6251	CABLE COVER SET	1 EACH
*6405	FLOOR SLEEVE 4.0 I.D.	2 EACH
*6430	6" BRASS FLOOR COVER	2 EACH
6410	ANTENNA & SIDELINE MARKER SET	1 PAIR
7310	MASTER UPWRIGHT POST	1 EACH
7315	MASTER WINCH POST	1 EACH
7600	COLLEGIATE VOLLEYBALL NET	1 EACH

Floor sleeves (6405) and floor covers (6430) are shipped early to be installed at the time of original construction. Posts are shipped fully assembled.



Set-up Guide

Parts Checklist

Verify all parts listed on packing list are present prior to installation.

Floor Sleeves/Covers Plates (These may ship early and separately)

- Floor Sleeves OK
- Cover Plates OK

Upright Posts (Refer to drawings or pictures in the instructions)

- End Post(s) OK
- Winch Post(s) OK

Net/Cable Hardware

- Cable OK
- Winch (es) & Hardware OK
- Antenna(s) OK
- Net(s) OK

Padding

- Upright Pads OK
- Chain & Cable Covers OK

Optional Accessories

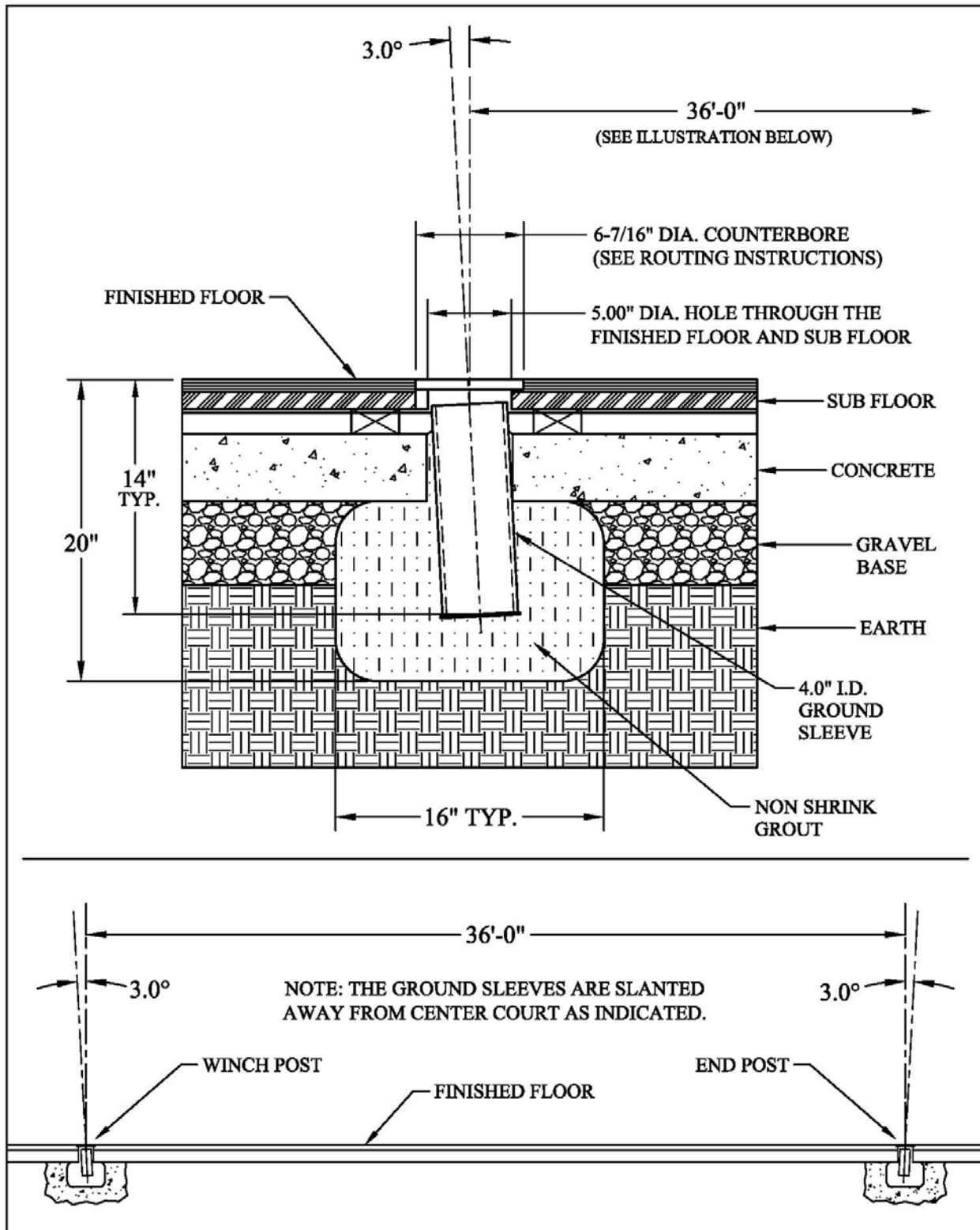
- Referee Stand OK
- Equipment Cart OK
- Storage Devices OK



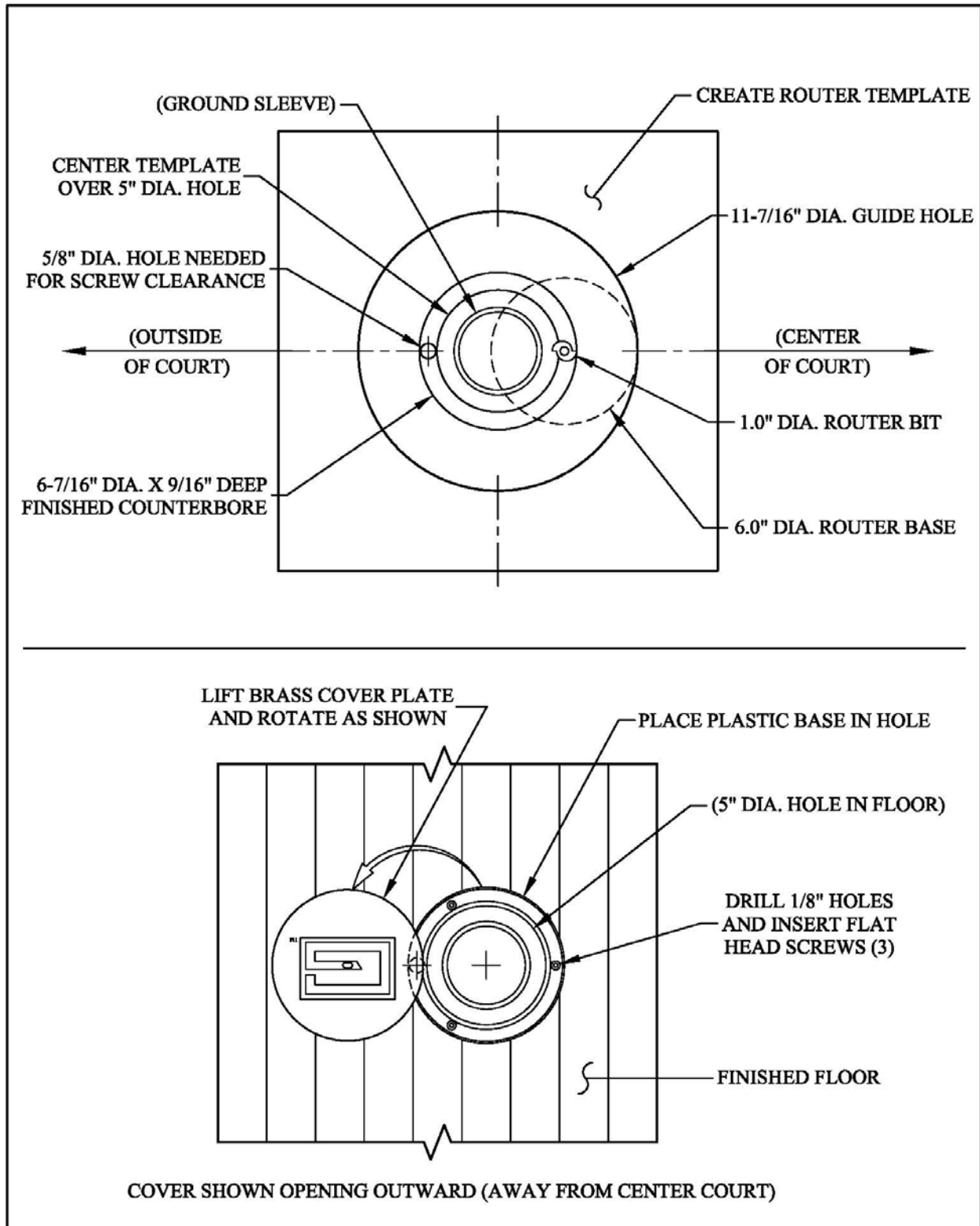
Floor Sleeve Installation

1. Mark (2) spots on the floor exactly 36 feet apart (refer to most recent set of architectural prints for exact locations within the gym). These represent the CENTERS of each sleeve installation. If sleeves are to be more or less than 36 feet apart, contact a PSS or Gared representative for information regarding this alteration.
2. Cut (2) round holes through the playing surface 4-3/4" to 5" diameter centered on the spots marked in step one. (See page 5)
3. After cutting out the circle in the surface flooring, cut a similar hole in the concrete slab below. The diameter of this hole should be about 5"; however the size is not critical. The hole must be large enough to accommodate the sleeve at 3 degrees off vertical.
4. Cut or drill the hole completely through the concrete slab. Under the slab, hollow out (by hand) an area about 18-20" deep from the playing surface. (Refer to page 5)
5. A "non-shrink" grout should be used to anchor the sleeve. Pour the grout mixture into the hole until it is just below the BOTTOM of the concrete hole. Cover the sleeve during installation to prevent debris from falling in or grout from entering the bottom of sleeve.
6. Insert the 3-3/4" O.D. steel sleeve and work it down into the grout until the inside bottom of the sleeve is 11" below the TOP surface of the floor. Incorrect sleeve depth will result in a net height error. Also be aware that the sleeve must tilt 3° away from the court. The 3° will correct when the net is installed and tightened. (See details page 5)
7. Wait a minimum of (7) days to allow the grout to cure before setting up the posts.
8. **Note: A skilled woodworker will be needed for the following operation!**
Using a router and template, make a counterbore 6-7/16" diameter by 9/16" deep centered over the original 5" hole in the floor, to receive the brass floor cover. A template can be made from a piece of Masonite or thick plastic. A template is needed to achieve a good and accurate cut. Many router and template combinations are possible. One example of a router and template combination is shown on page 6. A finished counterbore of 6-7/16" diameter is what is important! Practice on a piece of scrap wood first. If the hole is too big, corrections may not be possible!
9. Install the floor covers. Usually the covers are oriented to open outward away from the playing area. However, this is a matter of preference. Drill holes and insert screws as shown on page 6.

Installation Instructions for Ground Sleeves

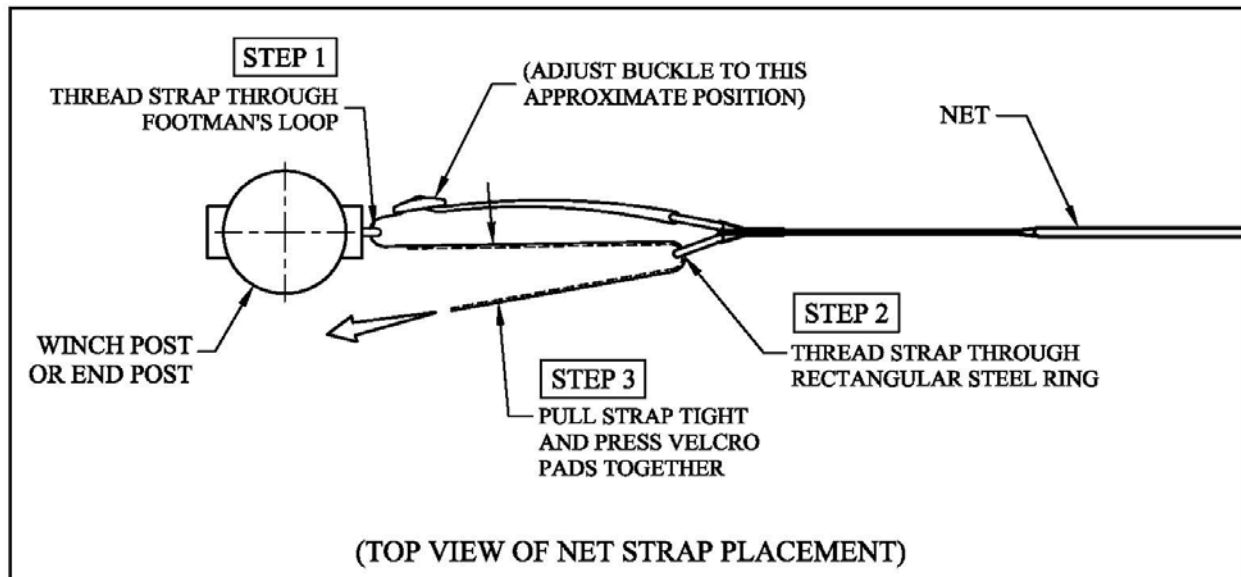


Counterbore Details and Floor Cover Installation

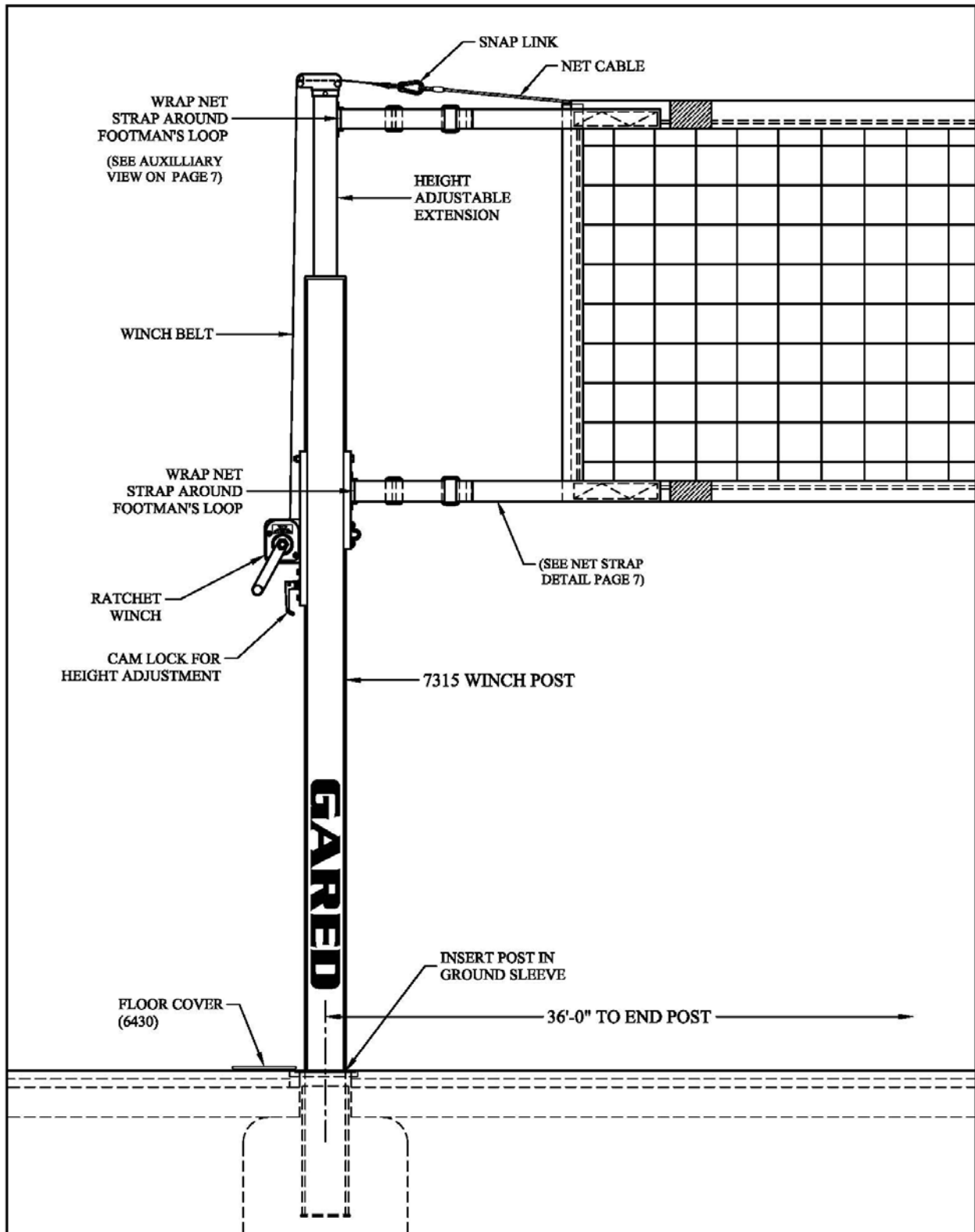


Post and Net Installation Instructions

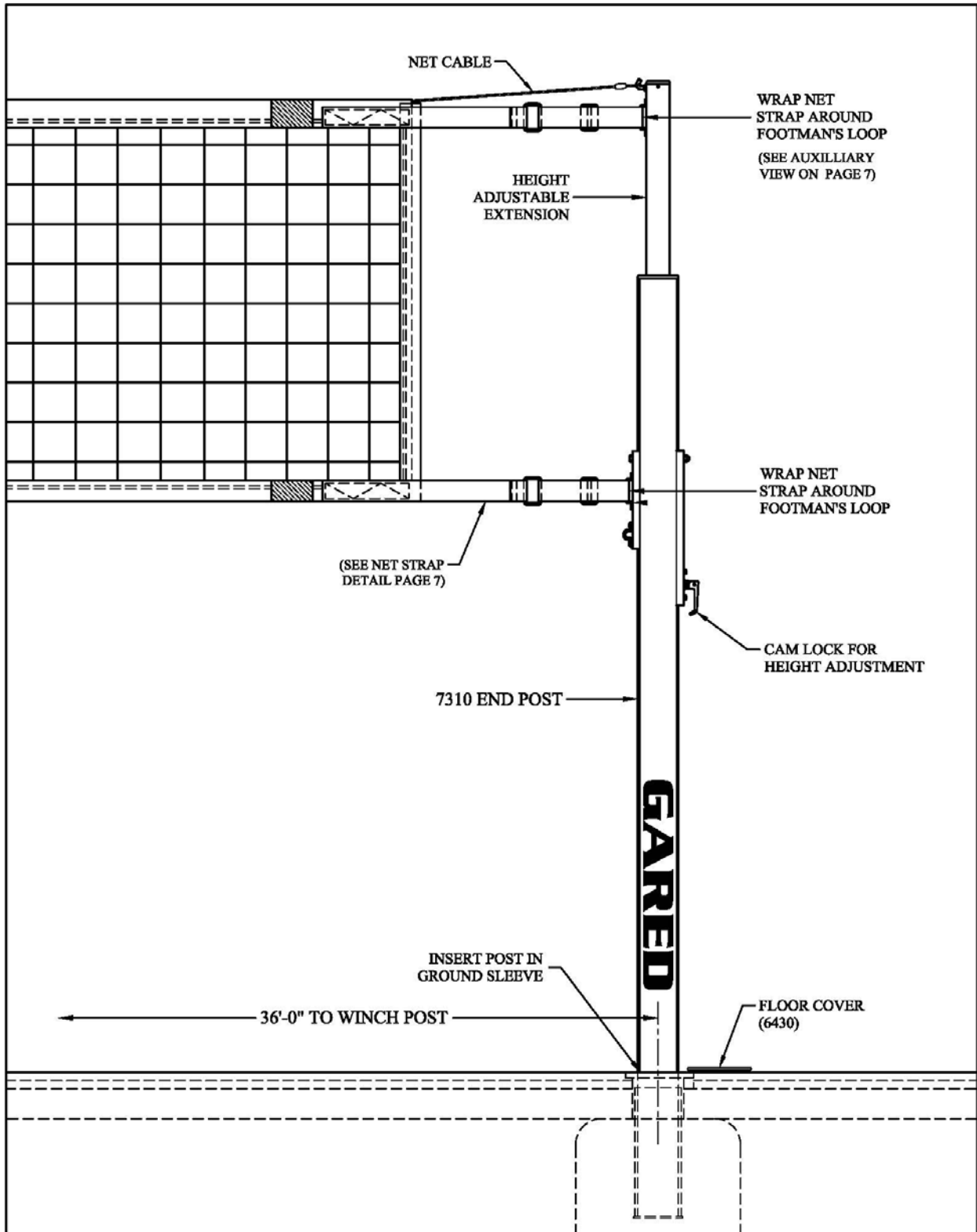
1. Lift and rotate the floor covers out of the way. Insert the **Winch Post** and **End Post**.
2. Lay out the net in the approximate position between the two posts.
3. Loosen the **Cam Locks** on the main posts and move the telescopic extensions to approximately 3/4" higher than the desired playing height at the center of the net. Note that they are spring loaded. Retighten the cam locks. Rotate the handle of the winch counter clockwise until the belt is fully extended.
4. Attach the net cable to the winch belt with a snap link as shown on page 8. Attach the other end of the net cable to the hook at the top of the end post.
5. Next, turn the winch handle clockwise to tighten the net cable. Center the net so that there is equal space between the ends of the net and the side posts. Undo the Velcro net straps as they come shipped with the net. Thread the straps through the footman's loop as shown in the illustration at the bottom of this page. Pull the straps tight and press the Velcro surfaces together. These straps are responsible for maintaining the net tension and may need to be retightened periodically. Expect stretch in the net.
6. The height of the net will vary with the tightness of the cable. If the height of the net needs to be adjusted, loosen the cable to take the pressure off of the telescopic extensions and then loosen the cam locks before adjusting the height of the extensions. Retighten the cam locks. Use the winch to retighten the cable.



Details – Winch Post with Net



Details – End Post with Net





7300 Master Volleyball System



Maintenance

1. General inspection of equipment when used should be performed to ensure no catastrophic failures have occurred during the course of use between yearly inspections.
2. It is recommended that yearly inspections be conducted to determine if any bolts or any other hardware has become worn or loosened. A sample check sheet has been provided for you in this guide.
3. During yearly inspections, all moving parts should be inspected while in operation. Key points to look for include rotation points where bushings contact metal, winches, pulleys and quick links. The strap should be looked at for any degradation or fraying.
4. Any loose bolts or nuts should be tightened.
5. Check Sliding components and strap for wear.

Maintenance Check Sheet

Date: _____

Unit: _____.

Anchors/Floor Sleeves

- | | | | | | | |
|-----------------------|----|--------------------------|--------|--------------------------|---------|--------------------------|
| -Anchors/bolts | OK | <input type="checkbox"/> | Repair | <input type="checkbox"/> | Replace | <input type="checkbox"/> |
| -Floor sleeves/covers | OK | <input type="checkbox"/> | Repair | <input type="checkbox"/> | Replace | <input type="checkbox"/> |

Unit Supports / Brackets / Hinges

- | | | | | | | |
|--|----|--------------------------|--------|--------------------------|---------|--------------------------|
| -Tubes; dents, stress spots, etc. | OK | <input type="checkbox"/> | Repair | <input type="checkbox"/> | Replace | <input type="checkbox"/> |
| -Bolts; loose, deformed, etc. | OK | <input type="checkbox"/> | Repair | <input type="checkbox"/> | Replace | <input type="checkbox"/> |
| -Brackets/Hinges; bent, not rotating, etc. | OK | <input type="checkbox"/> | Repair | <input type="checkbox"/> | Replace | <input type="checkbox"/> |

Winch/Strap

- | | | | | | | |
|------------------------------|----|--------------------------|--------|--------------------------|---------|--------------------------|
| -Winch; binding, loose, etc. | OK | <input type="checkbox"/> | Repair | <input type="checkbox"/> | Replace | <input type="checkbox"/> |
| -Hardware; Quick links | OK | <input type="checkbox"/> | Repair | <input type="checkbox"/> | Replace | <input type="checkbox"/> |

Sliding Components

- | | | | | | | |
|---------------------|----|--------------------------|--------|--------------------------|---------|--------------------------|
| -Locking Mechanisms | OK | <input type="checkbox"/> | Repair | <input type="checkbox"/> | Replace | <input type="checkbox"/> |
|---------------------|----|--------------------------|--------|--------------------------|---------|--------------------------|

Safety Padding

- | | | | | | | |
|------------------|----|--------------------------|--------|--------------------------|---------|--------------------------|
| -Velcro Function | OK | <input type="checkbox"/> | Repair | <input type="checkbox"/> | Replace | <input type="checkbox"/> |
| -Vinyl Condition | OK | <input type="checkbox"/> | Repair | <input type="checkbox"/> | Replace | <input type="checkbox"/> |

Replacement parts and / or service to the equipment can be obtained from your local PSS or Gared dealer or installer. To find your local dealer, visit us online or contact customer service department at the web address or phone number listed on the last page of this manual.



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