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**SENOH FLOORPLATE/SLEEVE INSTALLATION INSTRUCTIONS FOR VOLLEYBALL (KA25)
WOOD FLOOR, 2ND STORY OR CRAWL SPACE WITH A WOOD JOIST SUBFLOOR**

1. Locate floorplates between 37 and 38 feet apart (center to center), and a minimum of 1 meter from the sideline.
2. Drill a 1/4" test hole to determine the exact location of the sleeves relative to the wood joist support beams.
 - (a) If the support members run perpendicular to the direction of the volleyball net, the sleeves may be shifted to clear the supports (maximum span between the sleeves is 38 feet).
 - (b) If the support members are parallel to the net and interfere with the desired sleeve location, then it must be determined if these support members can be cut and bridged -- if not the court must be shifted.
3. Using the floorplate as a guide, trace an outline of the plate on the floor.
4. Inside of the outline, cut the floor out to within 3/4 of an inch of the outside perimeter of the outline drawn on the floor.
5. Field fabricate a steel form similar to the attached drawing and anchor it to the joist (leave a small space between the floor and the steel form). Note: the 3/4" hole in the bottom of the pipe is for a threaded rod so that the steel form can be held in place from above during installation.
6. Tie or brace the neighboring joist to distribute the load.
7. Using a template and a router, cut a recess lip to catch the outer four holes in the plate and at a depth such that the plate is flush with the floor.
8. Tape the opening in the sleeve to insure the grout does not overflow into the sleeve.
9. Attach the floorplate to the sleeve using the three long screws and the tube spacers furnished in the fastener package. These packages may be found in the sleeves. Connecting the sleeve to the floorplate insures that the sleeve is perpendicular and properly centered in relation to the floorplate. It also insures proper depth.

NOTE - VERY IMPORTANT: The three flanges on the sleeve may become slightly bent in shipment. These must be straightened prior to attaching the floorplate to the sleeve. Failure to do so will cause the sleeve to be installed in a non-perpendicular position, thus causing a lean to the upright post.
10. Use a non metallic, "non-shrink" concrete grout with a final cure strength over 6,500 pounds. (Typical manufacturers: Embeco, Hydrocide, Super Rock, and Masterbuilders Masterflow #713).
11. Pour the grout into the steel form (be sure the grout does not touch the underside of the wood floor). Work the sleeve into the grout until the floorplate seats flush. Using four wood screws, anchor the plate to the floor.
12. After the grout initially sets, gently remove the bolts and screws and lift the floorplate off.
13. Replace the long bolts and spacers with short bolts and nuts. **This is very important as it allows the floorplate to "float" with the floor, free of the sleeve.**
14. Using four wood screws, refasten the floorplate to the wood floor.
15. Keep all activities off of the immediate area surrounding the floorplate for 48 hours. Allow 10 days curing before using the equipment.

NOTE: If excessive expansion and contraction is expected in the wood floor, contact Sports Imports, Inc. at 800-556-3198

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