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**SENOH FLOORPLATE/SLEEVE INSTALLATION INSTRUCTIONS FOR VOLLEYBALL (KA25)
SYNTHETIC FLOOR, 2ND STORY OR CRAWL SPACE WITH A CONCRETE 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 concrete 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 drilled into -- if not the court must be shifted. (If support members are in the way, call Sports Imports to discuss alternatives).
3. Using the floorplate as a guide, trace an outline of the plate on the floor.
4. Using the outline as a guide, accurately cut away the synthetic material.
5. Chisel or remove enough concrete to allow the floorplate to fit flush with the floor. (Make sure there is space for the 4 dummy bolts in the outer holes.
6. Drill a hole in the concrete subfloor approximately 5" in diameter. (Use a 5" core bit or drill a series of 3/4" - 1" holes and knock out the voids). If the concrete is greater than 10.5" deep from the top of the floor, stop at the 10.5" depth and skip to step #7; otherwise, break on through the slab.
7. Field fabricate a steel form similar to the attached drawing and anchor it to the slab or support member. 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.
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. 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 lift the floorplate off.
13. Fill any void spaces with grout; then replace the long bolts and spacers.
14. Keep all activities off of the immediate area surrounding the floorplate for 48 hours. Allow 10 days curing before using the equipment.

NOTE: If you have any questions, contact Sports Imports, Inc. at 800-556-3198.

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