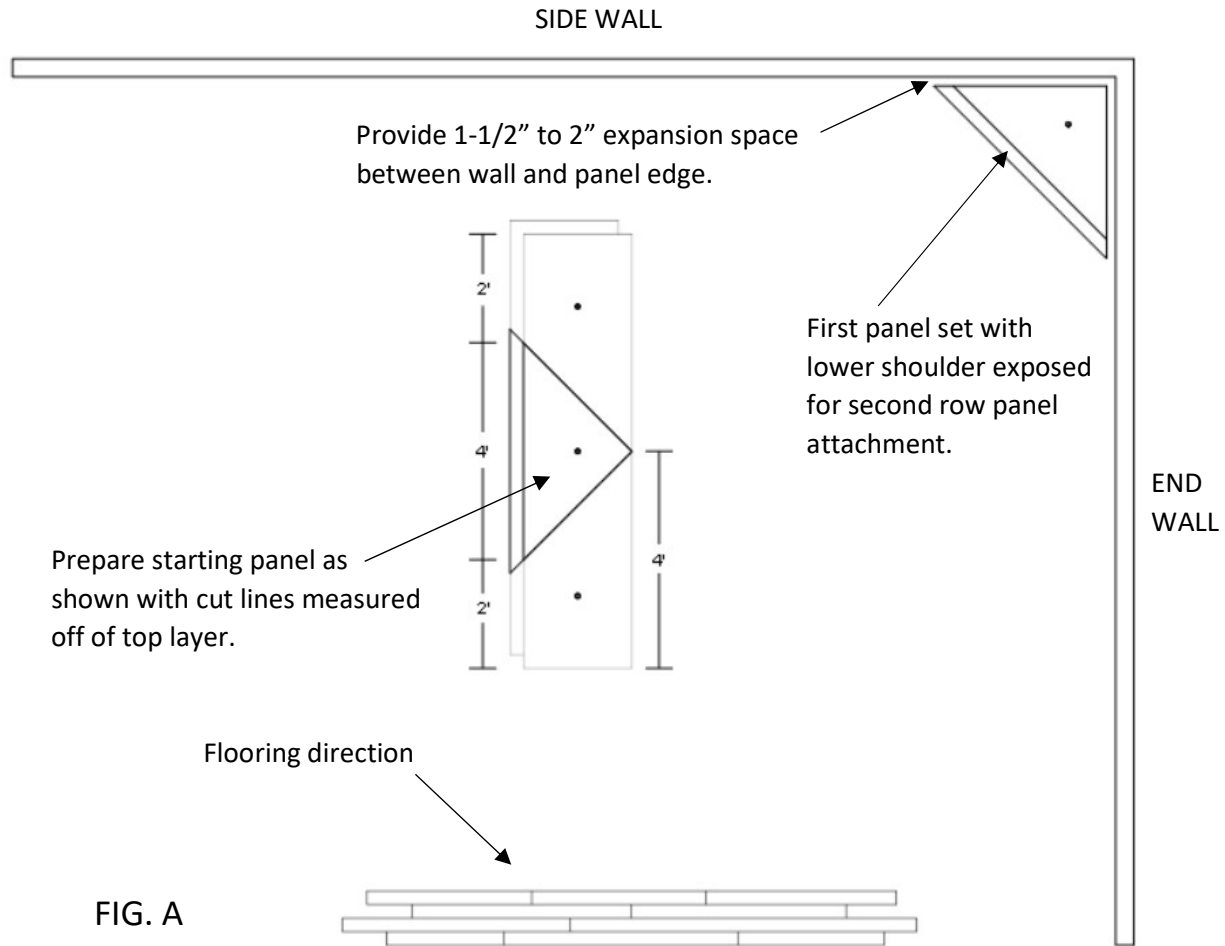


The following installation details are provided as a supplement to Installation Instructions and Specification for the Acer "AcerChannel VLP" athletic floor system.



1. Install first AcerChannel VLP subfloor panel diagonally to finished flooring direction.

NOTE: If providing full blanket foam option prior to subfloor placement, roll out foam perpendicular to flooring direction. Butt and tape all joints with 2" duct tape.

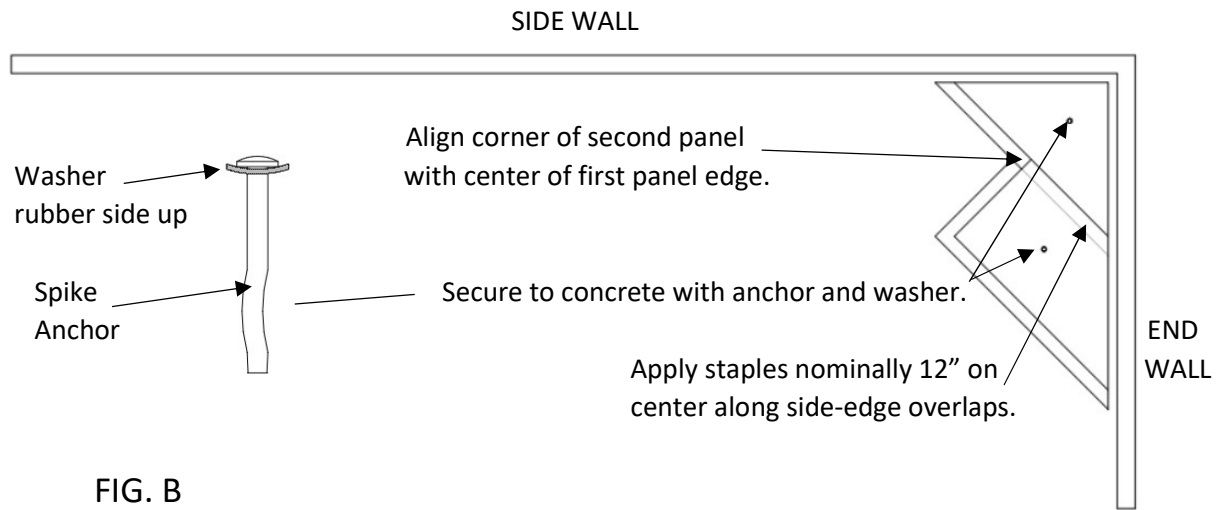


FIG. B

2. Align second subfloor panel as shown above while maintaining nominal 1/4" spacing between side joints of upper subfloor edges.
3. Provide 1-1/2" expansion spacing between subfloor panel edges and perimeter walls, and all vertical obstructions.
4. Attach panels to concrete substrate with anchorage assemblies as shown above in pre-drilled locations. Use 1/4" masonry bit for anchor size provided.

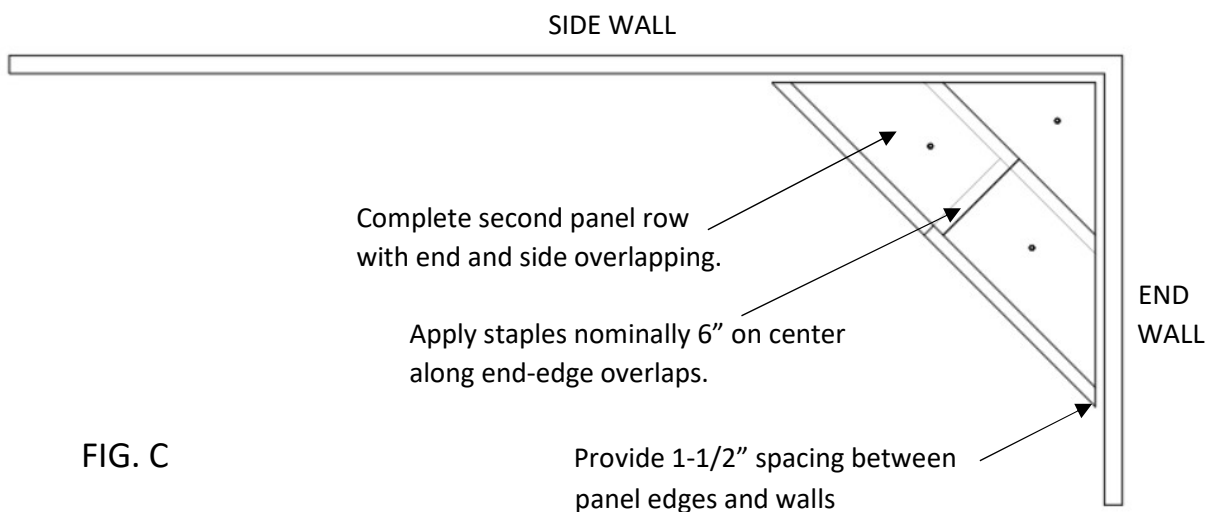


FIG. C

5. Complete second row as shown in FIG. C while maintaining nominal 1/4" spacing between side and end joints and 1-1/2" to 2" expansion spacing at wall.
6. Fasten panels with staples applied nominally 6" on center at end overlaps and nominally 12" on center at side overlaps.
7. Attach panel to concrete substrate with anchorage assembly as previously described, taking care not to overdrive anchor.

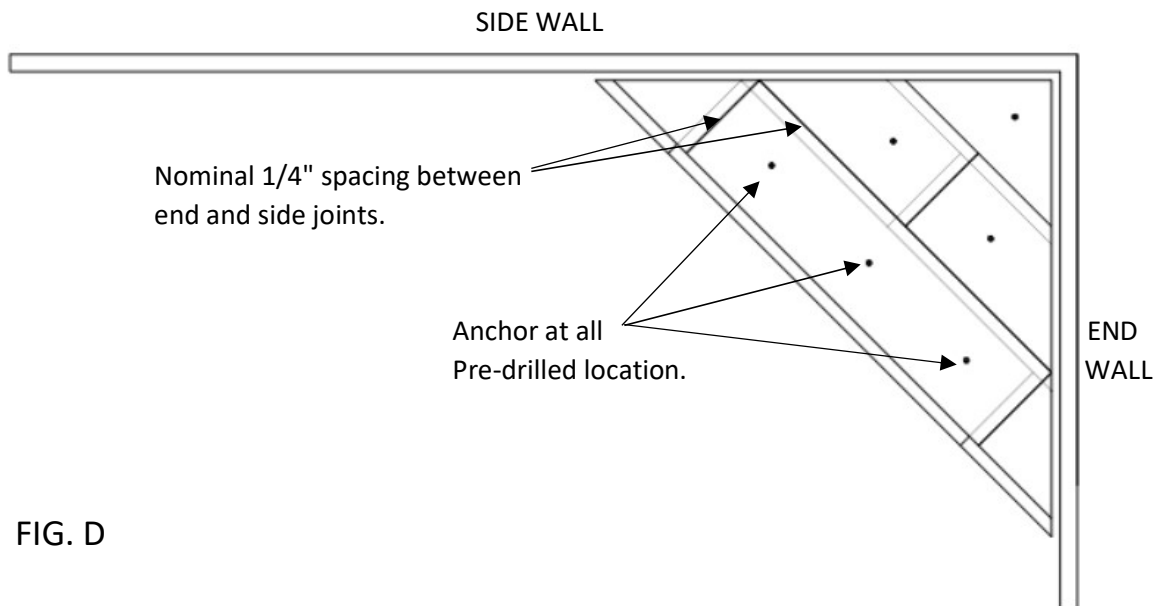


FIG. D

8. Offset panel ends in each row by 4' from panel ends in adjacent rows as shown above.
9. Attach panels at all pre-drilled anchor locations as shown in FIG. D. Hammer drive anchors until snug to subfloor panels without excessively driving pins.
10. Continue attaching adjacent panels with subfloor staples applied nominally 6" on center at end overlaps and nominally 12" on center at side overlaps. Provide 1-1/2" to 2" expansion spacing at walls and all vertical obstructions.
11. As shown in FIG. E., start each panel row in a manner that acceptably offsets panel ends and anchor locations in adjacent rows.

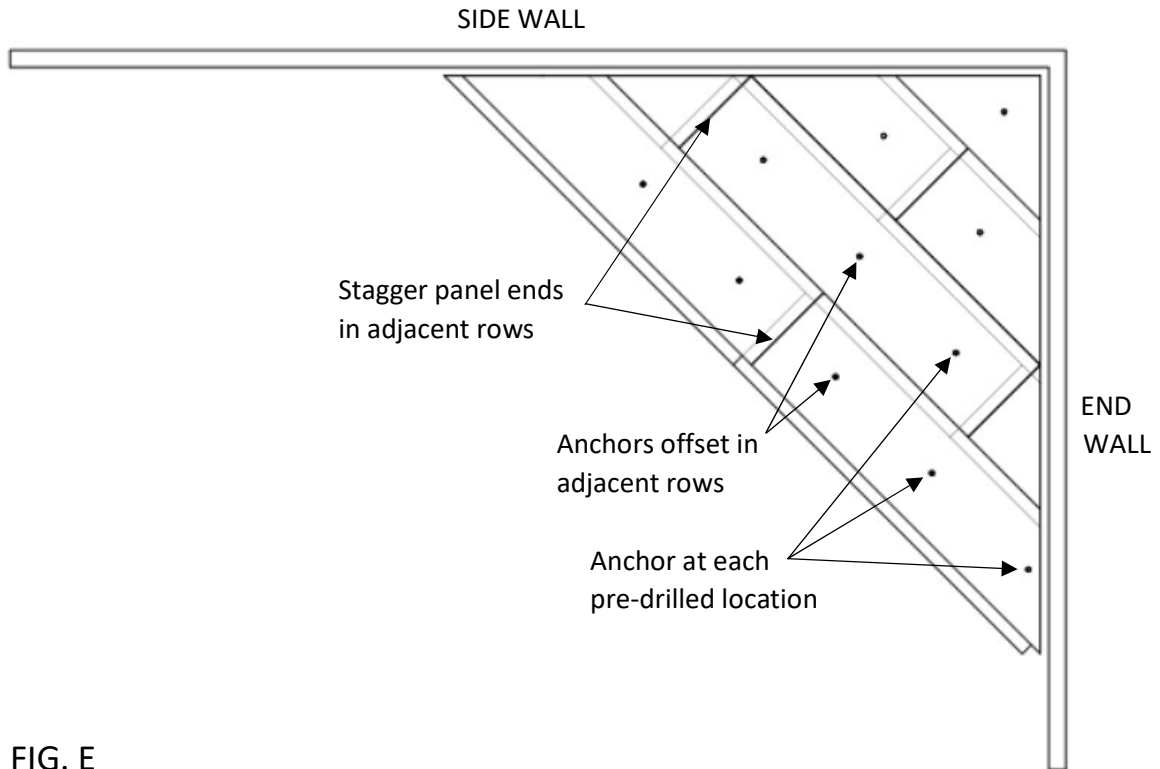


FIG. E

12. Ends cut from starting side and end walls can provide angles suitable for beginning and completing rows adjacent to other side and end walls.
13. End joints in adjacent rows can be acceptably offset by minimum 16" to allow for limited waste without compromising floor system integrity.
14. **IMPORTANT:** This installation guide is not a substitute for all other "AacerChannel VLP" installation and specification instructions.

NOTE: Subfloor panels can be acceptably installed perpendicular to flooring direction only if following recommendations as previously described including such requirements as:

- recommended spacing at walls and vertical obstructions,
- offsetting panel ends and concrete anchors in adjacent rows,
- providing concrete anchorage at all pre-drilled pocket locations,
- suitably attaching overlapping panel ends,
- and following all other recommendations as provided here and in the installation guide and specification for the Aacer Channel VLP floor system.