

The following installation details are provided as a supplement to Installation Instructions and Specification for the Aacer “Anchored PowerSleeper” athletic floor system.

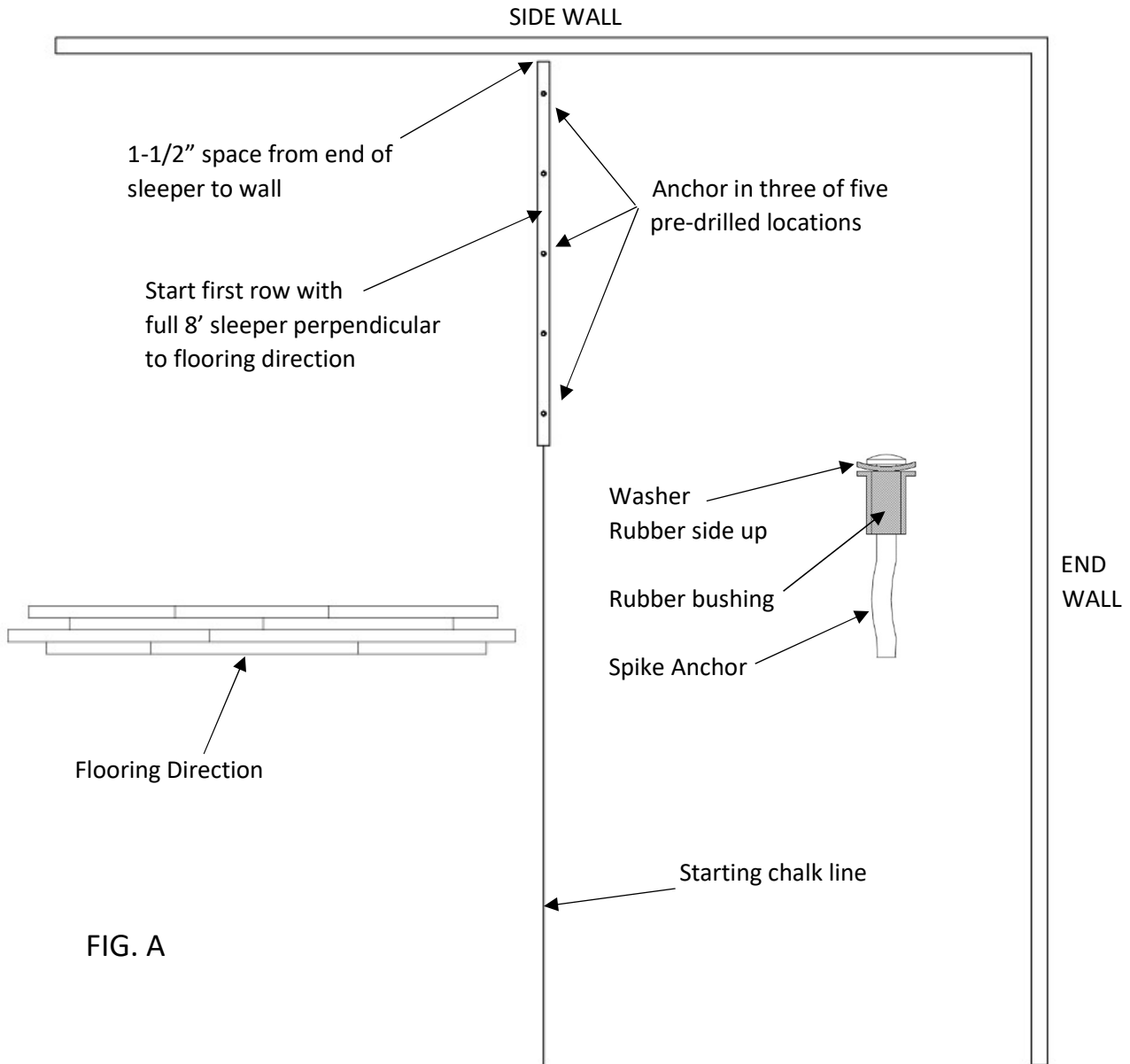
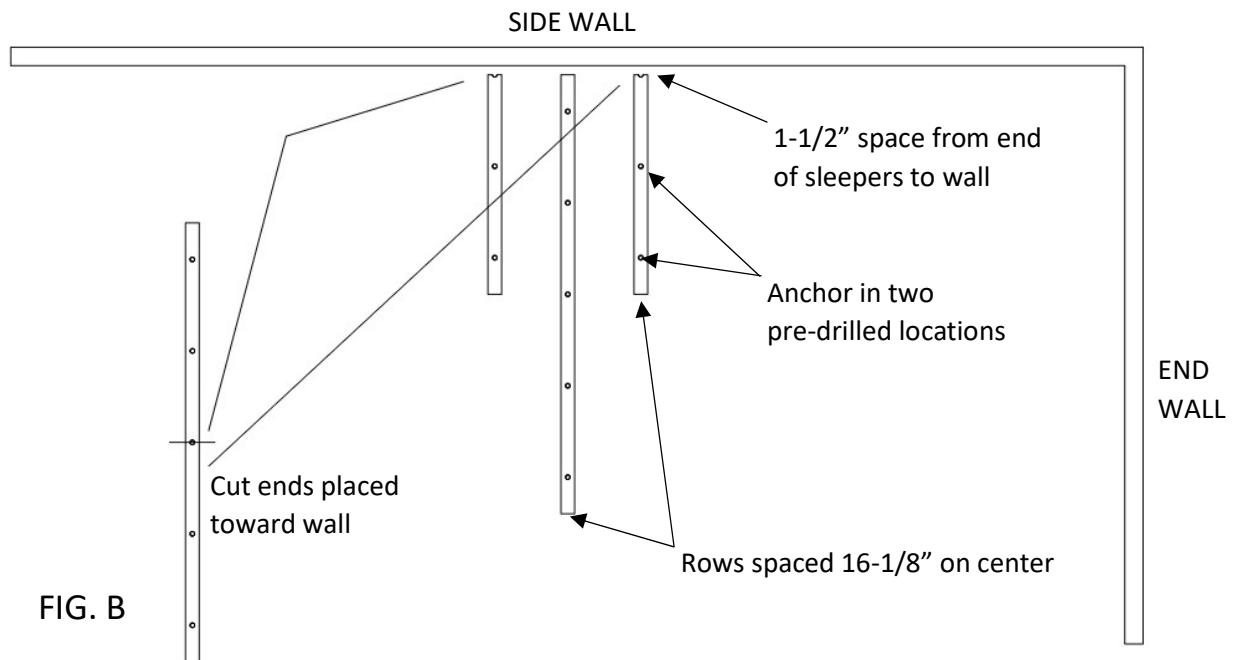


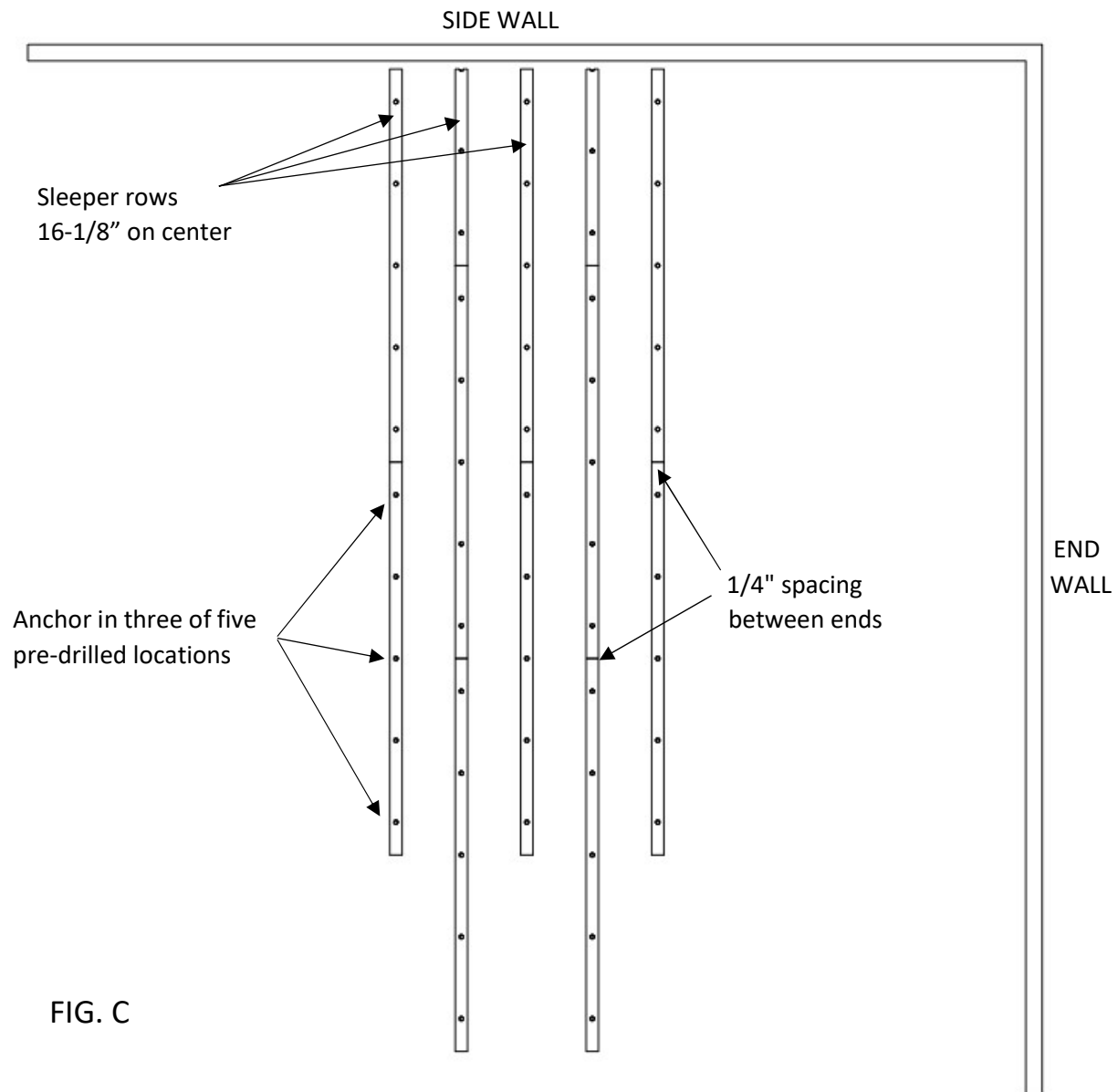
FIG. A

1. Align first sleeper with chalk line as shown above. The inclusion of a semi-clear surface vapor barrier/retarder can allow identification of chalk line when snapped directly on the concrete surface rather than on top of the vapor retarder.
2. As shown in FIG. A, provide concrete anchor assemblies in two pre-drilled end and center locations (three total). Use steel “True Set Block” to drive anchors to the correct depth.

3. As shown in FIG. B, start adjacent rows with half-length sleepers to create offset ends in alternate rows. Space each row $16\text{-}1/8''$ on center from adjacent rows to allow for proper spacing between plywood panels in upper subfloor layer.
4. Place sleepers with cut ends spaced $1\text{-}1/2''$ from wall. Assure support of cut sleeper ends by including additional pads or blocking material if no pad support is available within $8''$ of cut sleeper ends.
5. Attach each partial sleeper to substrate with two concrete anchor assemblies.



6. As shown in FIG C, continue to alternate full and half sleepers in adjacent rows to offset ends as desired.
7. Complete sleeper rows with full sections with $1/4''$ spacing between sleeper ends, and with all rows spaced $16\text{-}1/8''$ on center.
8. Provide three concrete anchor assemblies in each $8'$ sleeper with one at each pre-drilled end location and one in the center location.
9. Note: For easier alignment place rubber bushing in sleeper after drilling concrete rather than pre-assembling bushing on to spike anchor.



10. As shown in FIG. D, begin installing upper subfloor by cutting and placing a 2' and 6' section of plywood in adjacent rows to create staggered brick pattern and offset plywood ends from sleeper ends.
11. Maintain 1-1/2" spacing between plywood edge and wall, and provide 1/4" spacing between adjacent plywood edges where aligned over sleeper.
12. Fasten plywood to all supporting sleepers with subfloor staples applied 12" on center.

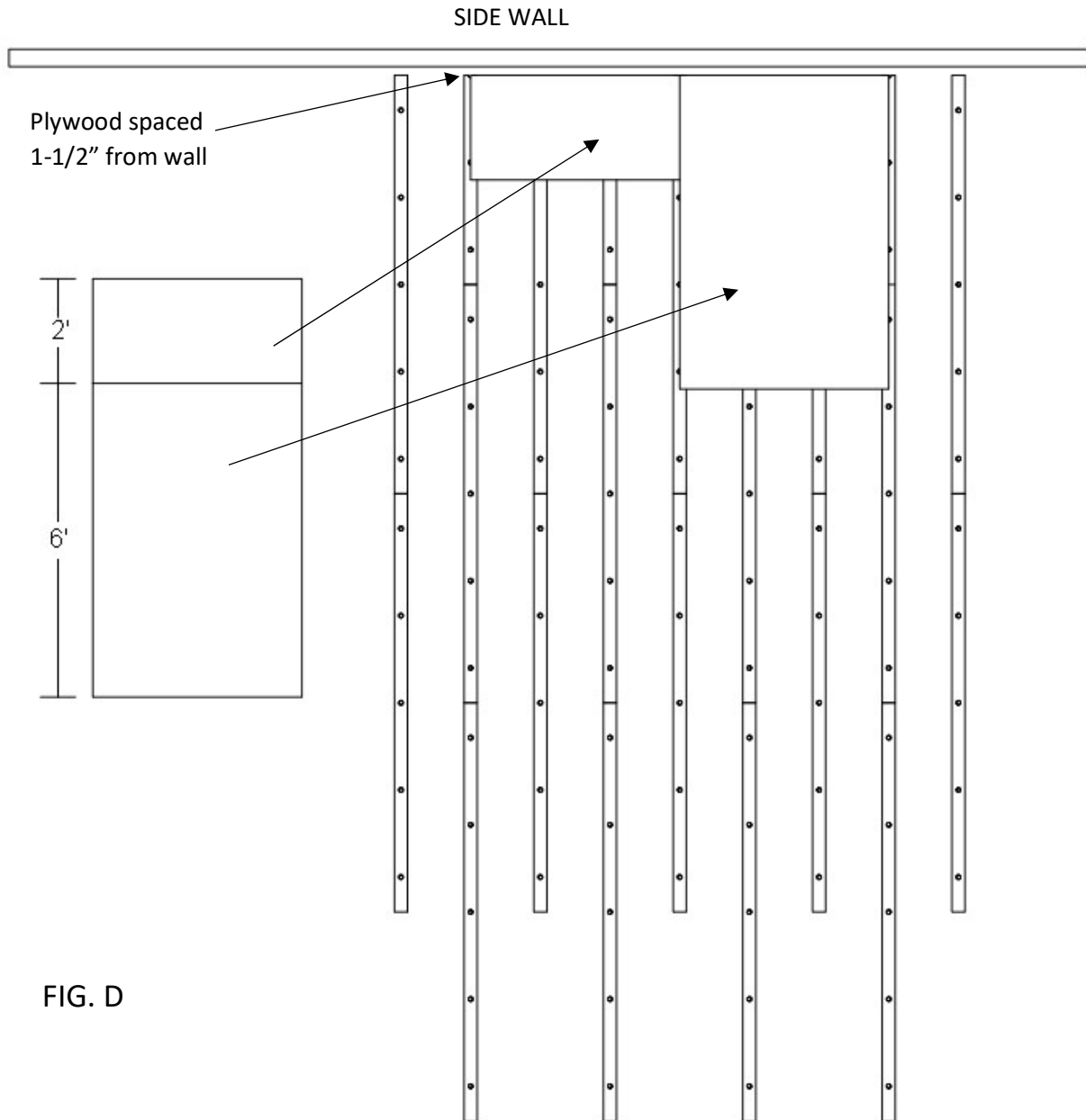
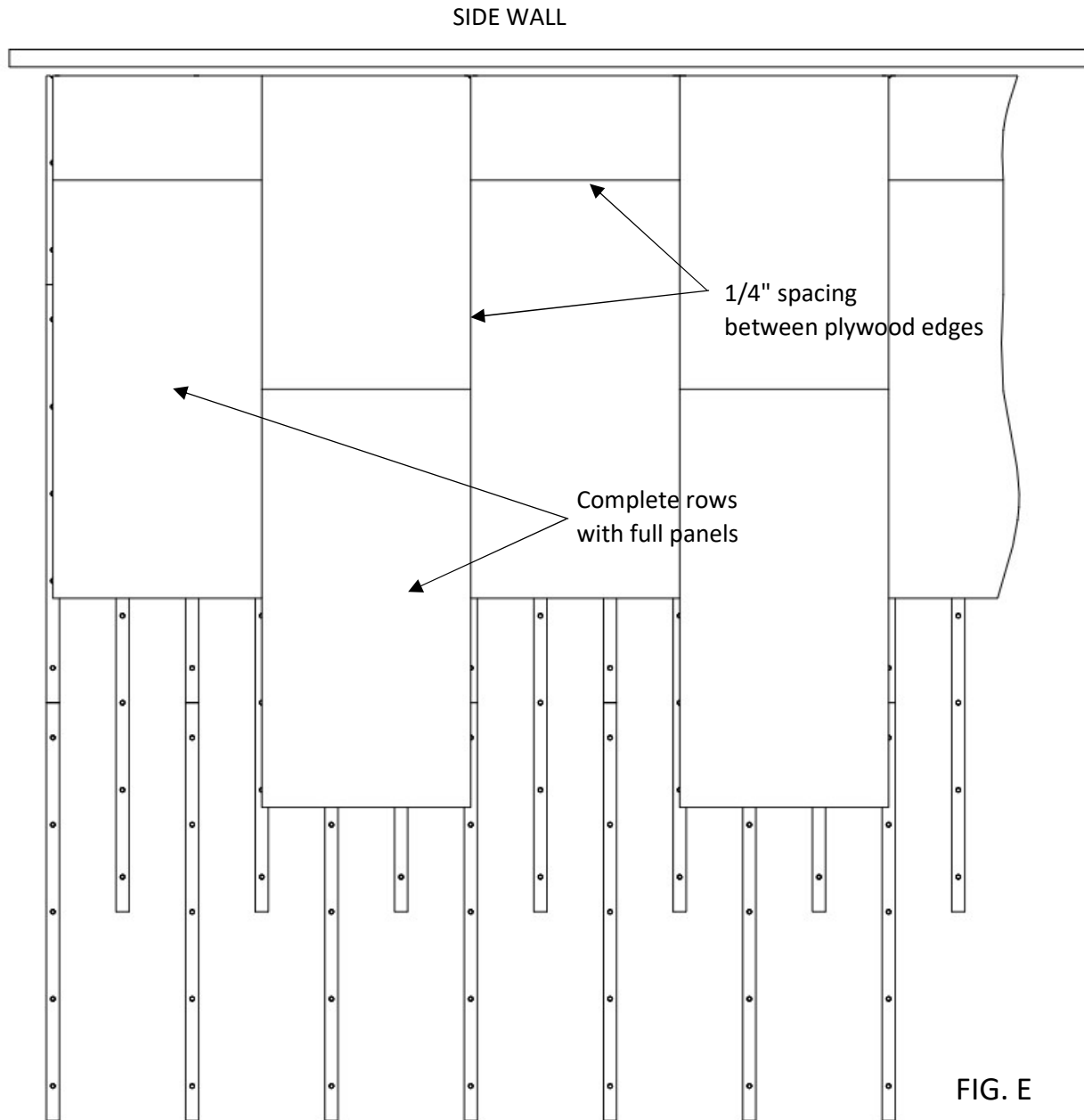


FIG. D

13. Continue to start each plywood panel row as shown in FIG. E by alternating 2' and 6' panel lengths.
14. Complete rows with full plywood panels to maintain staggered brick pattern and to offset upper panel ends from ends of supporting sleepers.
15. Provide nominal 1/4" spacing between all plywood side and end joints. Attach plywood to sleepers at all support locations with subfloor fasteners applied 12" on center.



16. End joints in adjacent plywood and sleeper rows can be offset by a minimum 24" to allow for limited waste as long as upper and lower subfloor end joints and anchor pockets are offset by minimum 12".

17. **IMPORTANT:** This installation guide is not a substitute for all other "Anchored PowerSleeper" installation and specification instructions.