

INSTALLATION INSTRUCTIONS & DETAILS

(Verify UL design assembly requirements)

Erecting the 2" Area Separation Wall

1. Position 2" Marino\WARE® C Runner a minimum 3/4" from the framed wall of the adjacent unit. Fasten C Runner to foundation with power-driven fasteners spaced a maximum of 24" o.c. When specified, apply a minimum 1/4" of acoustical sealant under the C-Runner to maximize acoustical privacy. Run the C-Runner to the end of the foundation. In the case of offset units, run the C-Runner to the end of the offset unit.
2. Install Marino\WARE H Studs and 1" Liner Board to a maximum height of 2' above the first floor line. Install two 1" Liner Board panels vertically into the C Runner at one end of the wall. Install the H Stud over the double beveled edges of the Liner Board panels and continue alternately until the wall has reached the opposite end of the foundation. Terminate the wall using a C-Runner. The vertical C Runners at each end of the wall should be attached in the corners to the horizontal sections of C-Runner using a 3/8" pan head screw.
3. Cap the first section of the area separation wall with a C-Runner and attach to the vertical C-Runner in the corners using a 3/8" pan head screw.
4. Aluminum breakaway clips span the minimum 3/4" airspace and provide a fusible link between the H Studs and the adjacent wall framing. Attach the aluminum breakaway clips to the flange of the H Stud using one 3/8" pan head screw and to the adjacent wood framing using one 1-1/4" drywall screw. The aluminum break away clips are typically located vertically at each floor level (10'-0" o.c.) and horizontally on every H-Stud (24" o.c.). When the total height of the area separation wall exceeds 20' - 0", aluminum breakaway clips shall be installed every 5'-0" for the lower 20'-0" and every 10'-0" for the upper 30'-0" of the wall assembly. Aluminum breakaway clips are installed on both sides of the area separation wall.
5. Fire blocking is installed on both sides of the area separation wall at each floor level as defined in the IBC.
6. To continue the wall, install a C Runner over the C Runner used to cap the lower section, placed back to back and attached together with two 3/8" screws at ends and 24" o.c. Stagger end joints at least by 12"
7. The support walls located adjacent to, and on each side of the solid 2" area separation wall, protect and maintain the required 3/4" air space. These support walls offer increased acoustical privacy and provide necessary aesthetics. They can be designed as load bearing. These walls can readily accommodate code compliant electrical and plumbing systems. These systems should not impede the required 3/4" air space. Apply acoustical sealant around penetrations for maximum acoustical privacy.
8. Once the 2" area separation wall is erected, construction of the adjacent interior wall framing can begin. Aluminum Breakaway clip and fire blocking installation is identical for both sides of the 2" area separation wall.

Suggested details for Area Separation Systems

