



Area Separation Wall Installation Instructions

The Georgia-Pacific Gypsum Area Separation Wall is constructed once the framing for one townhouse unit is complete and prior to the construction of the adjacent unit. The solid 2" Area Separation Wall is constructed a minimum 3/4" away from the adjacent framing, which is typically constructed from wood. In many cases the area separation wall is positioned 1" away from the wall framing to accommodate the 1" DensGlass Ultra® Shaftliner panels used as fireblocking between the floor levels. The UL Design U373 Area Separation Wall assembly was evaluated at a height up to 44' and the WHI/ITS GP/WA 120-04 Area Separation Wall assembly was evaluated at a height up to 50'.

Erecting the 2" Area Separation Wall Using Telling™ Industries H-Stud and C-Track

1. Position 2" Telling™ Industries C-Track a minimum 3/4" from the framed wall of the adjacent unit. Fasten C-Track to foundation with fasteners spaced a maximum of 24" o.c. When specified, apply a minimum 1/4" bead of acoustical sealant under the C-Track to maximize acoustical privacy. Run the C-Track to the end of the foundation. In case of offset units, run the C-Track to the end of the shared common wall.
2. Start the wall with a vertical C-Track at one end. Install two 1" shaftliner panels vertically with either side facing out* into the C-Track at one end of the area separation wall. Install the Telling™ Industries H-Stud over the double beveled edges of the shaftliner panels and continue alternately until the wall has reached the opposite end of the foundation. Terminate the wall using a C-Track. The vertical C-Tracks at each end of the wall should be attached in the corners to the horizontal sections of C-Track using a minimum of one 3/8" minimum length pan head screw. * *Note: some authorities may require labeling to be visible.*
3. Cap the first section of the Area Separation Wall with a C-Track and attach to the vertical C-Track in the corners using a minimum of one 3/8" minimum length pan head screw.
4. Breakaway clips span the minimum 3/4" air space and provide a fusible link between the H-Studs and the adjacent wall framing. Attach the breakaway clips to the flange of the H-Stud using a minimum of one 3/8" minimum length pan head screw and to the adjacent wood framing using a minimum of one 1" minimum length drywall screw. When the UL Design U373 Area Separation Wall assembly is specified, the breakaway clips should be 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 23", breakaway clips shall be installed every 5'0" for the lower 20" and every 10'0" for the upper 24'0" of the wall assembly. Breakaway clips are installed on both sides of the Area Separation Wall. When the WHI/ITS Design WHI 120-04 Area Separation Wall assembly is specified, the breakaway clips should be located vertically at each floor level (10'0" o.c.) and horizontally on every other H-stud (48" o.c.). When the total height of the Area Separation Wall exceeds 20'0", breakaway clips shall be installed vertically every 8'0" maximum for the lower 20'0" and every 10'0" maximum for the upper 30'0" of the wall assembly.
5. Fireblocking is installed on both sides of the Area Separation Wall at each floor level as defined in Section 717.2.1 of the 2006 IBC. (See details section). For approved fire-blocking materials, see Special Conditions, Item 8.
6. To continue the wall, install a C-Track over the C-Track used to cap the lower section, placed back to back and attached together with a minimum of one 3/8" minimum length pan head screw spaced 24" o.c. (See details section).
7. If a parapet is not specified, see Special Conditions, #11 for two code-compliant methods for installing a gypsum board roof underlayment.
8. Once the 2" Area Separation Wall is erected, construction of the adjacent interior wall framing can begin. Breakaway clip and fire-blocking installation is identical for both sides of the 2" Area Separation Wall.

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