

SHAFTWALL INSTALLATION INSTRUCTIONS*(Verify UL design assembly requirements)*

1. Layout Shaftwall in locations indicated on construction drawings. Position top and bottom Tabbed Track with long leg toward the shaft. Secure Tabbed Track perimeter framing and plumb to ceiling, floor, and sides. Attached with approved fasteners, spaced not more than 24" o.c. Apply non-hardening, flexible sealant in a continuous application at the perimeter.
2. Pre-plan the CT-Stud layout 24" o.c. and adjust the spacing at either end so that the terminal stud will not fall closer than 8" from the end. Pieces less than 8" may pose handling and installation problems such as cracking and breaking. Maximum spans are as shown on page 5.
3. Install the first 1" Liner Board panel. The panel length shall be $\frac{3}{4}$ " less than the total height of the framed section. Plumb the panel against the web of the Tabbed Track and secure with bend out tabs in Tabbed Track or with 1-5/8" Type S screws at 24" o.c. to secure the panel in place.
4. Insert a MarinoWARE® CT-Stud into the top and bottom Tabbed Track and fit tightly over the previously installed 1" Liner Board panel. The CT-Stud length shall be $\frac{3}{4}$ " less than the total height of the framed section. Allow equal clearance between top and bottom Tabbed Track.
5. Install the second 1" Liner Board panel inside the Tabbed Track and within the tabs of the CT-Stud.
NOTE: The edges of the panel maybe beveled to help guide the panel into the slotted and tabbed section of the stud.
6. Progressively install succeeding CT-Stud and 1" Liner Board panel as described above until the wall section is enclosed. The final Liner Board panel section maybe secured with tabs from Tabbed Track at 24" o.c. If tabs are not used, secure the Liner Board panel to the Tabbed Track with 1-5/8" Type S screws at 24" o.c.
7. Where wall heights exceed the standard or available length of the Liner Board panels, the panels shall be cut and stacked with joints occurring within the top or bottom third of the wall height. The shorter panels shall be minimum 24" long and of sufficient length to engage two studs.
8. CT-Studs cannot be spliced. They must be installed full height, one piece.
9. For doors, ducts or other large penetrations or openings, install Jamb Track as perimeter framing. Use adequate structural support for opening over 48" wide. Use 20 Gauge track with 3" back leg for elevator doors and block cavity. Install 12" wide gypsum board filler strips for doors exceeding 7'-0" height or as per required by Door Frame Manufacturer.
10. 1" Liner Board panel may be abutted, spliced or stacked within the cavity. The shorter panel should be minimum 2" long or longer to engage two stud tabs of each panel edge. Joints of adjacent panels should be alternately stacked or staggered to prevent continuous horizontal joint.
NOTE: In addition, some local codes may also require that these splices be back-blocked with a 12"x24" piece of gypsum even though the tests were conducted with these joists unblocked. Back blocking may be done with a CT-Stud of proper length and placed horizontal. Please verify with your local code jurisdiction.
11. For the Shaftwall System, finished one side, install the first layer of $\frac{1}{2}$ " UL Classified gypsum board horizontally with 1" Type S or S-12 screws spaced 24" o.c. starting 3" from top and bottom or 5/8" Type X gypsum board maybe used in lieu of $\frac{1}{2}$ " Type C gypsum board, if desired. The horizontal joints should be offset from any splice joints in the Liner Board panel by at least 12".
12. Install the face layer of board vertically with 1-5/8" Type S or S-12 screws spaced 12" o.c. starting 6" from top and bottom. All edge and end joints should be offset from the base layer by 24" o.c.
13. For the Stairwall System, finished both sides, each side may be installed either horizontally or vertically with 1" Type S or S-12 screw spaced at 12" o.c. starting 6" from top and bottom and with vertical joints offset 24". Edges and ends on opposite sides offset 24" o.c.
14. Caulk all perimeter edges and abutments with dissimilar materials, and penetrations in the facing layers with a non-hardening flexible sealant approved for this use.
15. When used as HVAC ducts, consult with HVAC engineer regarding level of caulking and sealant required. All joints on face layers are to be taped and finished and fasteners finished with joint compound meeting ASTM C475. All penetration openings are to be filled with approved fire stopping sealants.
16. For more information on firestopping through penetrations in Shaftwall systems or head of wall Shaftwall details, consult the UL directory or other fire testing agencies listings.
17. Do not stack walls. Shaftwall assemblies are non-loadbearing interior partitions only. Simple spans only and no splicing allowed. Provide for control joints per designer of record requirements.

For more information, please contact MarinoWARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective July 10, 2024 | MW_Shaftwall_ASW_Catalog | © WARE Industries, Inc. 2024