ELEMENTS TRACK

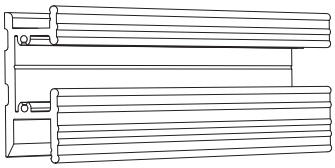
INSTALLATION GUIDE

media technologies

ELEMENT TRACK

INSTALLATION GUIDE

Tools Required:
Level (4 foot or greater)
Chalk Line, Nylon String
Variable Speed Drill
Hacksaw/Chop Saw Non ferris blade
Drill Bits (1/2" Drill bit, #2, #3 Phillps bit),
Tape Measure, Screw Drivers,
Hammer Drill
(for poured concrete or block wall)



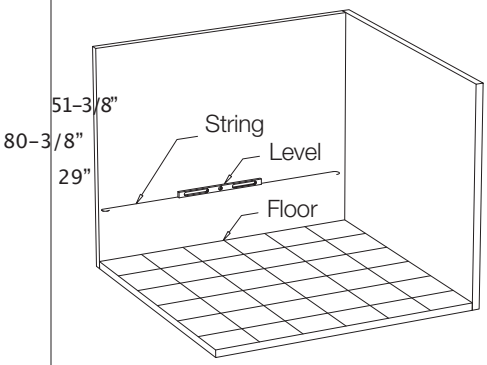
Note: More than one person is recommended for installations.

Recommended Tool:
Horizontal Track Spacer-Model #HTSP

Step 1:
Several products are designed for the lower track. These products are mounted at 29" off of the floor.

1. Determine the high spot of your floor using level or transit.
2. Indicate a point on the wall 29" up from the high spot of the floor.
3. Place a string along the wall where the lower track is being installed (Figure A).

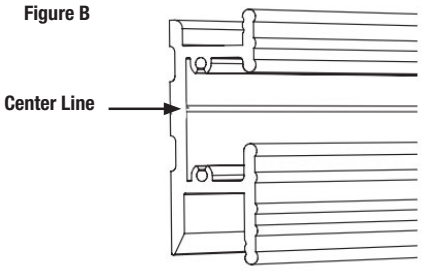
Figure A



It is important that the string is tight and level for proper clearance of other components. Mark the location of string at each end. Snap chalk line using the two points defined above.

4. The center line of the lower track (Figure B) must be placed at 29" H line when mounting the track.

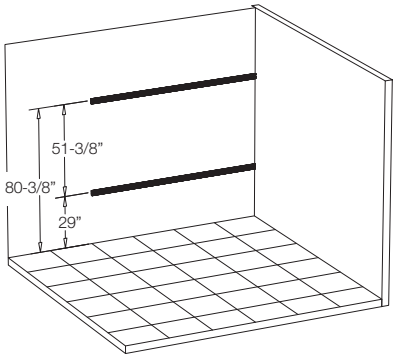
Figure B



Step 2:

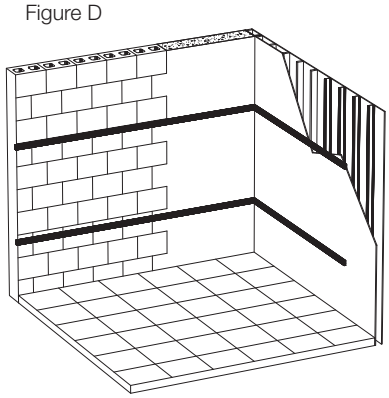
- The center line for the upper track will be 51-3/8" above the center line of the lower track.
- Measure up from the lower track line and place a mark at each end.
- Snap a chalk line using the two points defined above (Figure C).
- The center line of the upper track (See Figure B) must be placed on the 513/8" line when mounting the track.

Figure C



Step 3:

- Locate the wall substructure along the fastener location chalk lines.
- Figure D

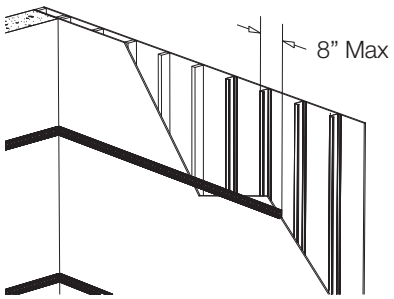


For proper attachment of track to the wall, fasteners must tie directly into the substructure of the wall (studs, blocks, solid masonry) (Figure D).
Select the appropriate fasteners for type of structural wall. A structural wall is a defined as a loadbearing wall constructed of materials such as: poured concrete, concrete block, or studs. Wood studs must be a nominal 2" x 4" size minimum. Metal studs must be "C" channel, 20-gauge thick minimum. Metal or wood studs must be on centers no greater than 16" and have maximum heights of 10' restrained at floor and ceiling. Interior walls shall be designed to resist not less than a force of 5 lbs. per square foot applied perpendicular to wall. The deflection of such walls under a load of 5 lbs. per square foot shall not exceed 1⁄400th of the span for walls with brittle finishes, and 1⁄124th of the span for walls with flexible finishes. If you have any questions concerning your load-bearing structures, please consult your architect or structural engineer.

Step 4:

- Prepare wall for track attachment by pre-drilling for and/or installing fasteners along chalk lines per the fastener manufacturer's guidelines.
- Spacing of fasteners should not exceed 16" on center.
- When ending a run, DO NOT extend the track more than 8" beyond the last anchor attachment (Figure E).

Figure E



ELEMENT TRACK

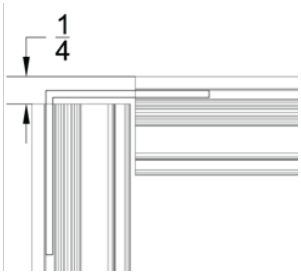
INSTALLATION GUIDE

Step 5

a. Measure wall length at the upper and lower marked fastener positions. Cut the track, when necessary, to the proper lengths.

A single section of track must attach to the wall with a minimum of two solid anchor attachment points. If the track is installed at intersecting walls, allow for the installation of the Splice Plate. Install Splice Plate prior to attaching track to the wall. The first length of track installed will be reduced by 1/4" at each intersection (Figure F).

Figure F

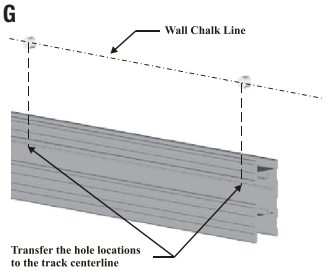


Step 6

a. Position the track against the wall just below the chalk line (Figure G). Transfer the fastener locations from the wall to the center line in the track.

b. Drill the appropriate diameter hole in the track per the fastener manufacturer's guidelines.

Figure G



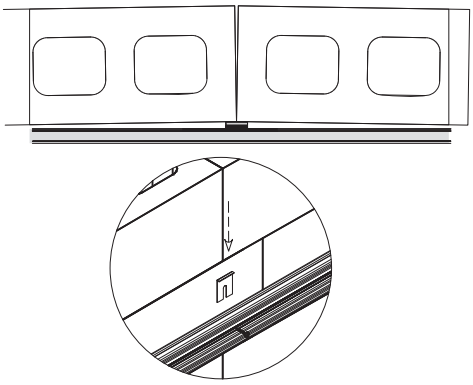
Tracks must be straight, level and parallel. *Insure tracks do not "bow". Check for any gaps between the wall and the track and use spacers when necessary to shim between the wall and the track at attachment point(s) (Figure H). It is the responsibility of the installer and/or the contractor to select and install the proper fasteners in the structural wall. mediatechnologies does not furnish fasteners or assume liability for their use.*

c. Before installing the track, touch up any exposed cut ends. Remove any sharp edges or burrs caused by cutting or drilling the track.

Step 7

With the Splice Plate installed where required, attach the track to the wall.

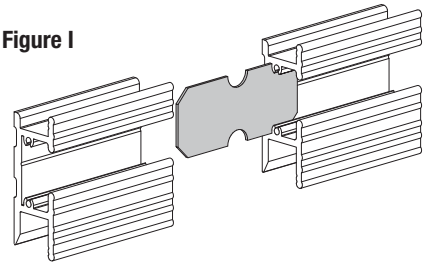
Figure H



To align two adjacent pieces of track, slide a Splice Plate into the channel at the back of the track. Offset the "U" in the splice plate with the seam between the tracks (Figure I).

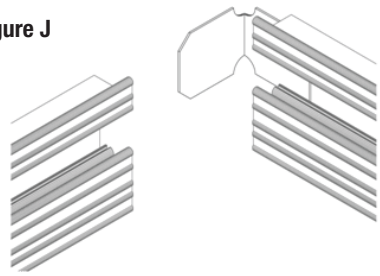
To align two adjacent pieces of the horizontal mounting track at a corner

Figure I



intersection, bend the Splice Plate to the required angle at the notch provided (Figure J).

Figure J

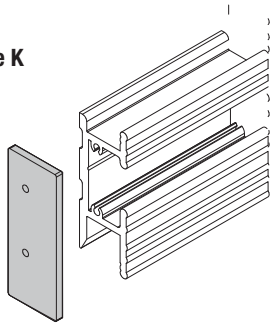


b. Check frequently to assure that the track is mounted at the correct elevations and that it is fastened securely to the wall using the proper fasteners.

c. Fasteners should be tightened according to the manufacturer's specifications.

d. On exposed track ends install End Caps (Figure K) using screws provided.

Figure K



Note: Track should extended 3 inches beyond last cabinet to ensure secure installment.

ELEMENT TRACK

INSTALLATION GUIDE

Recommended Fasteners			
Construction Type	Size	Manufactures Model #	OurModel #
Steel Stud -for 1/2" to 3/4" drywall			
BB Toggler (1/4" -20) Snaptoggle ® Pkg of 10 (Use with 1/4" - 20 x 2 1/2" bolts)	1/4"-20	43321	HTDST
WoodStud-for1/4"to5/8"drywall(meetsorexceedsANSI/ASMEB18.6.4andSAE J933)			
Panhead sheet metal screw	#12 x 2"	PHPMS	HTWS-2
Solid Masonry			
Double Expansion Anchor Bolt Powers ® Fasteners Pkg of 50 (Use with 1/4" - 20 x 1 1/4" bolts)	1/4"-20	9510	HTDEA-1.25
Masonry Block			
BB Toggler (1/4"-20) Snaptoggle ® Pkg of 10 (Use with 1/4" - 20 x 2 1/2" bolts)	1/4"-20	43321	HTDST
Double Expansion Anchor Bolt Powers ® Fasteners Pkg of 50 (Use with 1/4" - 20 x 1 1/4" bolts)	1/4"-20	9510	HTDEA-1.25
Hilti® Anchor System For Masonry Construction - Soft Brick, Block or Tile - HIT S 16 Screen Tube Pkg of 10 - HIT IG Insert pkg of 10 -Grade 5- 5/16"x2 Machine Screw -HIT-HY 20 Masonry Adhesive- 1 tube	 3 3/8" 5/16" x 2 5/16" x 2 11.1 oz	 00077810 00088397 00371959	 HIT-SHIT-IGHIT-5/16" HIT-HY 20
Anchor Bolts			
Anchor Bolt- 1.5 Anchor Bolt- 2.5 Anchor Bolt- 3	1/4"-20x1-1/2" 1/4"-20x2-1/2" 1/4"-20x3"		HTAB-1.5 HTAB-2.5 HTAB-3

Installation Fasteners:
These are general recommendations for installation fasteners. Since actual conditions vary, the final determination for the appropriate fastener will need to be made in the field.

Installation Note: For Double Expansion Anchor Bolt Threaded ends must be inserted first into wall.