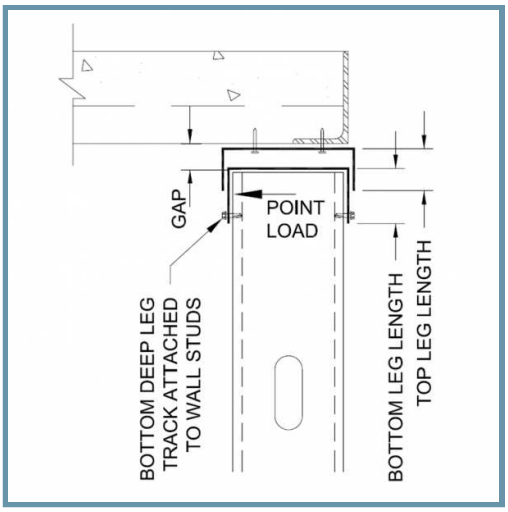
Double Deflection Track (Slip Track) - Structural

Structural deflection track for interior & exterior walls

A double deep leg track system allows the top of the wall system to float within the top track legs. This connection allow s for vertical live load movement of the primary structure without transferring axial loads to the wall studs. The top track is made with an oversized width to fit around the bottom track. The bottom deep leg track is attached to the wall studs to prevent stud rotation eliminating the need for lateral bracing 12” from the slip track system. The deflection track system must be designed for the end reaction of the wall studs (point loads) and for the specific gap required for vertical deflection.



Product Data & Ordering Information:

Material:	Yield Strength: Grade 33ksi or 50ksi Coating: CP60 per ASTM C955 (G90 available) 33mils: 20ga Structural, 0.0346" Design Thickness, 0.0329" Min. Thickness 43mils: 18 Gauge, 0.0451” Design Thickness, 0.0428” Min. Thickness 54mils: 16 Gauge, 0.0566” Design Thickness, 0.0538” Min. Thickness 68mils: 14 Gauge, 0.0713” Design Thickness, 0.0677” Min. Thickness 97mils: 12 Gauge, 0.1017” Design Thickness, 0.0966” Min. Thickness
Dimensions:	Bottom Track: 3", 3-1/2" or 4" legs with inside depth equal to depth of stud
Dimensions:	Top Track: 2", 2-1/2" or 3" legs with inside depth 1/4" more than depth of stud Standard Depths Available: 3-5/8" and 6"

2" Leg Top Track & 3" Leg Bottom Track w/ 1/2" Gap:

Allowable Point Loads					
Yield Strength	**33mils (20ga)**	**43mils (18ga)**	**54mils (16ga)**	**68mils (14ga)**	**97mils (12ga)**
33ksi	113	163	213	N/A	N/A
50ksi	N/A	247	323	435	729

2-1/2" Leg Top Track & 3-1/2" Leg Bottom Track w/ 3/4" Gap:

Allowable Point Loads					
Yield Strength	**33mils (20ga)**	**43mils (18ga)**	**54mils (16ga)**	**68mils (14ga)**	**97mils (12ga)**
33ksi	75	123	158	N/A	N/A
50ksi	N/A	187	240	318	519

3" Leg Top Track & 4" Leg Bottom Track w/ 1" Gap:

Allowable Point Loads					
Yield Strength	**33mils (20ga)**	**43mils (18ga)**	**54mils (16ga)**	**68mils (14ga)**	**97mils (12ga)**
33ksi	56	96	129	N/A	N/A
50ksi	N/A	145	195	256	411

Calculating slip track point load:
Point Load (P) =
(wind pressure PSF) x (spacing FT) x (wall length FT) / 2

Example: (5 PSF) X (1.33 FT) x (9.5 FT) / 2 = 31.7lbs

Table Notes:
1. Values above are designed for wall stud spacing at 16”o.c.
2. Bottom track serves only to restrain studs and distribute a uniform bearing. This track may be 33mils (20ga).
3. Values are based on equations from AISI North American Standard for CFSF– Wall Stud Design (S211-07).
4. Stud failure modes relating to the deflection track connection (shear, web crippling, etc.) must be checked separately.

Code Approvals & Performance Standards

- ASTM A1003 Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members
- ASTM C955 Standard Specification for Cold-Formed Steel Structural Framing Members
- ICC-ES ESR-1166P Structural Studs and Track
- SFIA Stud Code Compliance Certification Program
- SDS For ASTM A1003 Steel Framing Products For Interior Framing, Exterior Framing and Clips/Accessories

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- **LEED v4.1 MR Credit:** Environmental Product Declarations: EPD (1 point) - Sourcing of Raw Materials (up to 2 points) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points)
- **LEED v4 MR Credit:** Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points).