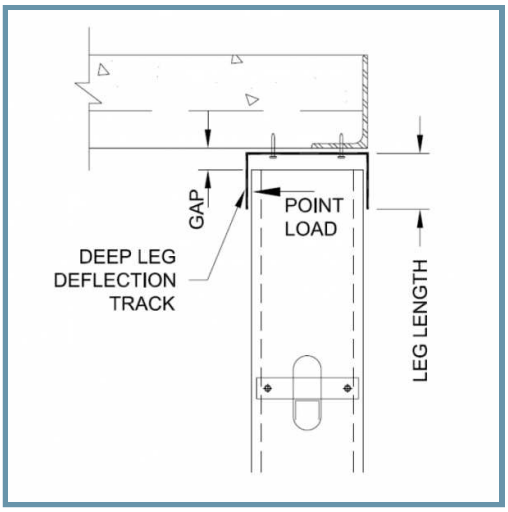
Deep Leg Deflection Track (Slip Track) - Non-Structural

ProTRAK™ deep leg deflection track for interior walls

A single ProTRAK deep leg track system allows the top of the wall stud to float within the track legs. This connection allows for vertical live load movement of the primary structure without transferring axial loads to the wall studs. 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: 15mil and 18mil = 50ksi 30mil and 33mil = 33ksi
Coating: G40EQ (G40 and G60 available)
ProTRAK 25 (15mils): 0.0158" Design Thickness, 0.0150" Min. Thickness
ProTRAK 20 (18mils): 0.0190" Design Thickness, 0.0181" Min. Thickness
ProTRAK 30mils: 0.0312" Design Thickness, 0.0296" Min. Thickness
ProTRAK 33mils: 0.0346" Design Thickness, 0.0329" Min. Thickness

Dimensions: 2", 2-1/2" or 3" legs with an inside depth equal to the depth of the stud.
Standard depths available: 2-1/2", 3-5/8", 4", and 6".
Custom depths available by special orders.

Allowable Deflection Track Point Allowable Loads:

Deflection Track System	2" Leg Track w/ 1/2" Gap	2-1/2" Leg Track w/ 3/4" Gap	3" Leg Track w/ 1" Gap
ProTRAK 25 (15mils)	36	24	18
ProTRAK 20 (18mils)	52	34	26
ProTRAK 30mil	92	61	46
ProTRAK 33mil	113	75	56

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

Allowable Deflection Track Limiting Wall Height:

Deflection Track System	2" Leg Track w/ 1/2" Gap	2-1/2" Leg Track w/ 3/4" Gap	3" Leg Track w/ 1" Gap
ProTRAK 25 (15mils)	10'-8"	7'-2"	5'-4"
ProTRAK 20 (18mils)	15'-6"	10'-4"	7'-9"
ProTRAK 30mil	27'-6"	18'-4"	13'-9"
ProTRAK 33mil	33'-10"	22'-7"	16'-11"

Table Notes:
1. Limiting wall heights are based on studs spaced at 16" o.c. and an interior lateral load of 5psf.
2. Stud members must be analyzed independently of the track system. Use www.itools.clarkdietrich.com to check limiting wall heights of stud members.
3. Stud failure modes relating to the deflection track connection (shear, web crippling, etc.) must be checked separately.

ASTM & Code Standards:

AISI S220-15 North American Standard for CFS Framing - Nonstructural Members

- Section A4 - Material - Chemical & mechanical requirements (Referecing ASTM A1003/A1003M)
- Section A5 - Corrosion Protection (Referencng ASTM A653/A653M)
- Section A6 - Products - Thickness, shapes, tolerances, identification
- Section C - Installation - (Referencing ASTM C754)

ClarkDietrich's nonstructural framing comply with:

- IBC-2018 - International Building Code
- Intertek CCRR-0207, LA RR #26019, NYC - OTCR
- SFIA Code Compliance Certification Program
- SDS & Product Certification Information is available at www.clarkdietrich.com/SupportDocs

Sustainability Credits For more details and LEED letters contact Technical Services at 888-437-3244 or visit clarkdietrich.com/LEED.

- **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).