

BlazeFrame® RipTRAK™ (1HR) for 1" Total Deflection Head-Of-Wall Deflection Track - 1 Hour System

BlazeFrame RipTRAK is a ceiling runner with an offset shoulder that represents the thickness of the wall material. (5/8" for 1 hour) A second piece of board/wall material is placed under the fluted deck or flat concrete and is then attached to the shoulder. This allows the deck and the BlazeFrame RipTRAK to move in relation to the wall studs. This also allows the outer/overlapping board that is attached to the BlazeFrame RipTRAK to slide over the primary board/wall material.

The BlazeFrame RipTRAK is a UL approved fire-rated head of wall joint system. Meets UL 2079, 5th edition; HW-D-0823. This is good for both roof and wall assemblies. See UL listing Configuration B, Item 3B. Caulking between the shoulder board and the roof/floor assembly is required.

Fire Rated Condition

1/2" nominal joint with 100% compression and 100% extension. Up to 1" of total movement. (See attached page for all configurations)

RipTRAK™ Clips

RipTRAK Clips are attached to both inside bottom legs of the BlazeFrame RipTRAK with two #8 by 1/2" (13mm) long steel self-drilling framing screws and engage the short flange of the studs. This reinforces any stud to track connection while allowing deflection.

| RipTRAK Clip | Thickness | Used For | Weight / Piece | Qty Per Bucket |
|--------------|---------------|------------------|----------------|----------------|
| RTC-33 | 20ga (33mils) | Drywall Studs | 0.04 lb. | 100 |
| RTC-54 | 16ga (54mils) | Structural Studs | 0.08 lb. | 100 |

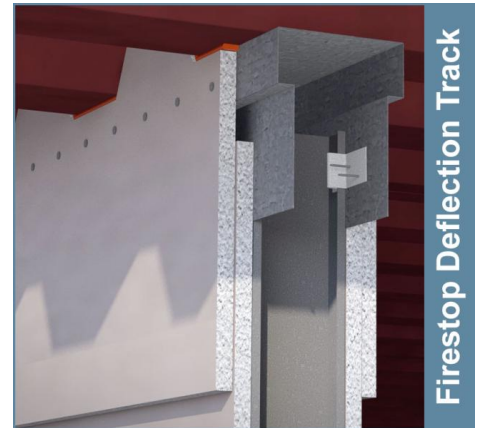
Product Data & Ordering Information:

Material: Yield Strength: Grade 33ksi for 33mils & 43mils - 50ksi for 54mils
 Coating: CP60 (CP90 available)
 33mils: 20ga STR, 0.0346" Design Thickness, 0.0329" Min. Thickness
 43mils: 18ga, 0.0451" Design Thickness, 0.0428" Min. Thickness
 54mils: 16ga, 0.0566" Design Thickness, 0.0538" Min. Thickness
 68mils: 14ga, 0.0713" Design Thickness, 0.0677" Min. Thickness

Dimensions:

Inside depth: Equal to the outside width of the stud (Stud Width)
 Web Size: 2-1/2", 3-5/8", 4", 6" and 8"
 Track length: 10'-0"

09.22.16 (Non-Structural Metal Framing)

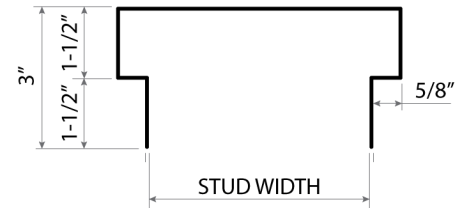


Firestop Deflection Track

- UL Classified and Listed Joint Systems
- 2 HR Rated system also available

ASTM & Code Standards:

- AISI S220 and S240
- ASTM C645, C955, A1003 and A653
- UL HW-D-0823
- UL 2079 - Fifth Edition compliant
- SDS & Product Certification Info available at www.clarkdietrich.com/SupportDocs



Project Information

Name:
Address:

Contractor Information

Name:
Contact:
Phone:
Fax:

Architect Information

Name:
Contact:
Phone:
Fax:

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Joint System Overview:

Deflection Gap (Nominal Joint Width)

Max separation between the bottom of the return of the deflection track and top of wallboard (at the time of installation of the joint system) is between 0 and 2 in. (50 mm) in the following configurations: (Also shown in the UL Report: HW-D-0823)

| Nominal Joint Width | Extension | Compression | Max. Joint Width |
|---------------------|-----------------|-----------------|------------------|
| 0 in. (0 mm) | 1 in. (25 mm) | 0 in. (0 mm) | 1 in. (25 mm) |
| 1/2 in. (12 mm) | 1/2 in. (12 mm) | 1/2 in. (12 mm) | 1 in. (25 mm) |
| 1 in. (25 mm) | 0 in. (0 mm) | 1 in. (25 mm) | 1 in. (25 mm) |

EXTENSION

Upward movement of the roof or floor system - Deflection Gap (Nominal Joint Width) opens larger than installed width due to negative wind pressure (roof uplift) or the floor system below compressing.

COMPRESSION

Downward movement of the roof or floor system - Deflection Gap (Nominal Joint Width) compresses due to dead loads, live loads, snow loads, etc.

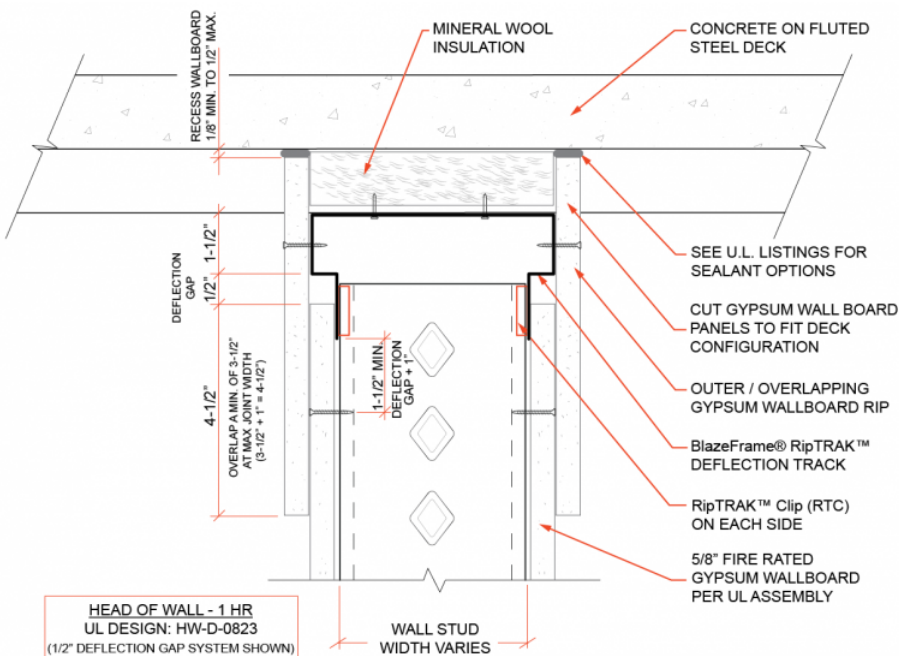
MAX. JOINT WIDTH (TOTAL DEFLECTION MOVEMENT)

Both downward (compression) and upward (extension) movement - Most joints are subjected to movement in both directions

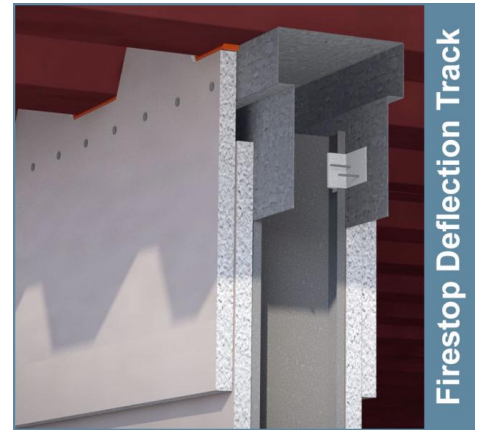
For example, a joint required to handle 1/2" of extension and 1/2" of compression would have a 1" Max. Joint Width (Total deflection movement)

Fire Rated Condition (Example Shown Below)

1/2" Nominal Joint (Deflection Gap) with 100% Compression (1/2") and 100% Extension (1/2") = 1" of total movement (Max. Joint Width)



09.22.16 (Non-Structural Metal Framing)



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