

# **FIRETRAK**

## **Head-of-Wall Deflection Track & Firestop System**

### **DESCRIPTION**

The Fire Trak System consists of the Fire Trak ceiling runner with a shoulder offset the thickness of the wall material. A second piece of wall material is fitted tight to the roof or floor deck and then attached to the shoulder.

This allows the deck and the Fire Trak ceiling runner to move in relation to the wall studs and allows the overlapping piece of wall material attached to the Fire Trak to slide over the primary wall material.

### **MOVEMENT CAPABILITIES**

The Fire Trak System does not require fire caulk or spray to achieve a fire rating.

- This allows the Fire Trak System greater movement capabilities than other systems.
- The Fire Trak System achieves a **full 100% compression and/or extension** and has been tested and listed with U.L. for **deflection up to 6"**.

#### **FIRE RATED CONDITION:**

- Up to 3" of Compression and 3" of Extension
- Up to 6" of Compression or Extension

### **BENEFITS**

- Fire Trak is a fire rated Head-of-Wall Joint that has passed current fire and cycle tests at U.L. without fire caulk or spray.
- The system is classified and listed for use with U-400 series walls and is good for both roof and floor assemblies.

### **CODE COMPLIANCE**

The Fire Trak System meets all standard building codes and its unique design and exceptional performance are widely recognized and accepted by Building Officials.

- Fire Trak has U.L. listings for standard walls, cavity walls and shaft walls.
- It is tested and listed both parallel and perpendicular to the roof and/or floor deck.

#### **TEST STANDARDS:**

U.L. 2079 - Tests for Fire Resistance of Building Joint Systems

ASTM E1966 - Standard Test Method for Fire Resistive Joint Systems

#### **CYCLING REQUIREMENTS:**

The test assemblies were cycled 500 times, 100 cycles at 30 CPM and 400 cycles at 10 CPM.

The system has Class I, II and III cycling capabilities.

### **AVAILABILITY**

- Major Credit Cards are accepted.
- There is a **24 hour lead time** on standard profiles.

### **SUBMITTAL APPROVALS**

|              |             |
|--------------|-------------|
| Job Name:    | Date:       |
| Approved By: | Contractor: |



Fire Trak 1 Hr. Shadowline  
Standard Wall - 1" Deflection



Fire Trak 2 Hr. Cavity Shadowline  
Shaft Wall - 2" Deflection



Fire Trak 2 Hr. Shadowline  
Standard Wall - 6" Deflection



LIGHT GAUGE FRAMING  
FOR USE IN JOINT SYSTEMS  
SEE UL FIRE RESISTANCE DIRECTORY  
1N07

### U.L. LISTINGS

#### 1" Compression and 1" Extension (2" Range of Motion)\*

|           |                                                                                                          |              | % Compression<br>(Deflection)<br>Movement | Actual<br>Compression<br>(Deflection) by " |
|-----------|----------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------|--------------------------------------------|
| HW-D-0060 | Standard wall<br>Perpendicular and parallel against steel and concrete decks                             | 1 to 3 hour  | 100%                                      | 1"                                         |
| HW-D-0061 | Cavity wall<br>Perpendicular and parallel against steel and concrete decks                               | 1 to 3 hour  | 100%                                      | 1"                                         |
| HW-D-0117 | Standard & Cavity walls<br>Perpendicular to metal decks with flute filled with cementitious fireproofing | 1 and 2 hour | 100%                                      | 1"                                         |
| HW-D-0118 | Standard & Cavity walls<br>Perpendicular to metal decks with flute filled with fire caulk or fire spray  | 1 and 2 hour | 100%                                      | 1"                                         |
| HW-D-0119 | Shaft wall<br>Perpendicular and parallel against steel and concrete decks                                | 1 to 3 hour  | 100%                                      | 1"                                         |
| HW-D-0120 | Shaft wall<br>Perpendicular and parallel against steel and concrete decks                                | 1 to 3 hour  | 100%                                      | 1"                                         |
| HW-D-0400 | Shaft wall<br>Parallel under steel beam                                                                  | 1 and 2 hour | 100%                                      | 1"                                         |

#### 3" Compression and 3" Extension (6" Range of Motion)\*

|           |                                                                                                          |              |      |    |
|-----------|----------------------------------------------------------------------------------------------------------|--------------|------|----|
| HW-D-1011 | Standard wall<br>Perpendicular and parallel against steel and concrete decks                             | 1 to 3 hour  | 100% | 3" |
| HW-D-1012 | Cavity wall<br>Perpendicular and parallel against steel and concrete decks                               | 1 to 3 hour  | 100% | 3" |
| HW-D-1119 | Standard & Cavity walls<br>Perpendicular to metal decks with flute filled with cementitious fireproofing | 1 and 2 hour | 100% | 3" |
| HW-D-1020 | Standard & Cavity walls<br>Perpendicular to metal decks with flute filled with fire caulk or fire spray  | 1 and 2 hour | 100% | 3" |

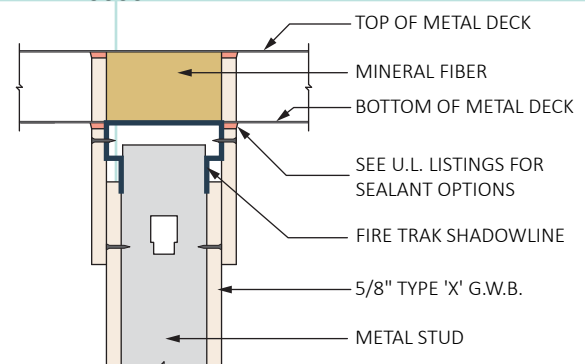
\* Tracks can be configured to any deflection between 1" and 6".

### STEEL SPECIFICATIONS

|                                                                 |
|-----------------------------------------------------------------|
| <b>20 GAUGE</b> (.0356 min thickness) galvanized steel          |
| Conforms to ASTM C-645                                          |
| Steel Conforms to ASTM A-653, Minimum 33,000 ksi yield strength |
| Galvanized in accordance with ASTM A-924, G-60                  |
| <b>18 GAUGE</b> (.0466 min thickness) galvanized steel          |
| Conforms to ASTM C-645                                          |
| Steel Conforms to ASTM A-653, Minimum 33,000 ksi yield strength |
| Galvanized in accordance with ASTM A-924, G-60                  |
| <b>16 GAUGE</b> (.0575 min thickness) galvanized steel          |
| Conforms to ASTM C-645                                          |
| Steel Conforms to ASTM A-653, Minimum 50,000 ksi yield strength |
| Galvanized in accordance with ASTM A-924, G-60                  |
| <b>14 GAUGE</b> (.070 min thickness) galvanized steel           |
| Conforms to ASTM C-645                                          |
| Steel Conforms to ASTM A-653, Minimum 50,000 ksi yield strength |
| Galvanized in accordance with ASTM A-924, G-60                  |
| <b>12 GAUGE</b> (.099 min thickness) galvanized steel           |
| Conforms to ASTM C-645                                          |
| Steel Conforms to ASTM A-653, Minimum 50,000 ksi yield strength |
| Galvanized in accordance with ASTM A-924, G-60                  |
| <b>10 GAUGE</b> (1.29 min thickness) galvanized steel           |
| Conforms to ASTM C-645                                          |
| Steel Conforms to ASTM A-653, Minimum 50,000 ksi yield strength |
| Galvanized in accordance with ASTM A-924, G-60                  |

### HEAD-OF-WALL DETAIL

#### UL HW-D-0060



Perpendicular to Metal Deck | 1 Hr. Rating - 1" Deflection

### MANUFACTURER

**FIRETRAK**  
**CORP**

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