Project Submittal – Metal Deck w/Coated Beams

Submittal Packet – Bare Fluted Metal Deck - Coated Beams

1. Plan Set Details "Typical" Conditions for Bare Fluted Metal Deck and Coated Beam Substrates with links to UL Listed Assemblies and Safti-Frame Detailed Assemblies

2. Product Profiles with links to Profile Submittal Sheets commonly used for Bare Fluted Metal Deck and Coated Beam Substrates

3. Documentation:
   a. STC
   b. Safti-Frame LEED Information

***Click on Blue Highlighted to follow Direct Links***

Additional Assemblies, Solutions, & Information available at www.saftiseal.com

Header Assemblies - **HJC Clip**
Backing Assemblies - **NSB & FBP**
Installation, Recommendations, Repair
Chemical Compatibility with Sealants
Material Safety Data Sheets
Buy American Act Certification
Install Guide/Tips Fluted Deck & Beams
Install Guide Beam Penetration - Offset Leg Profile
Install Guide Beam Penetration - Snipped Single Piece
Install Guide Beam Penetration - Tabbed Track

Assembly and Product Certifications and Leed

**UL, ASTM & Code Standards**
UL2079 (5th Edition) & CAN/ULC S115
ASTM E814, E1966, E2837
A1003, A653, A924, C645, C754, C955
Sound Tested according to ASTM E90-09
2012 & 2015 IBC

**Leed Points**
MR 2.1 & 2.2 - Construction Waste: up to 2pts
MR 4.1 & 4.2 - Recycled Content: up to 2 pts
MR 5.1 & 5.2 - Regional Proximity
EQ 4.1 - Low Emitting Materials
EQ 9 - Enhanced Acoustical

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1. Perpendicular Flute & Parallel Beam
   - Safti-Frame Det. **UD1**
   - UL Ref. **HW-D-0513**

2. Shaft Wall Perpendicular & Parallel Beam
   - Safti-Frame Det. **UD10**
   - UL Ref. **HW-D-0504**

3. Centered Under Flute - Flute Cover
   - Safti-Frame Det. **UD6**
   - UL Ref. **HW-D-0544**

4. Centered Under Valley
   - Safti-Frame Det. **UD8**
   - UL Ref. **HW-D-0499**

5. Beam Penetration
   - Safti-Frame Det. **SS1**
   - UL Ref. **HW-D-0495**

6. Under Beam - Offset Leg
   - Safti-Frame Det. **SS2**
   - UL Ref. **HW-D-0502**

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Chase Wall - Perpendicular

Safti-Frame Det. UD4
UL Ref. HW-D-0506

Chase Wall - Diagonal Bracing

Safti-Frame Det. SS33
UL Ref. HW-D-0506

Stair Shaft - Control Joint

Safti-Frame Det. UD11
UL Ref. HW-D-0543

Stair Shaft Beam - Control Joint

Safti-Frame Det. SS5
UL Ref. HW-D-0502/0543

Stair Shaft Beam Z-Clips - Control Joint

Safti-Frame Det. SS18
UL Ref. HW-D-0502/0543

Offset Under Valley - Mineral Wool

Safti-Frame Det. UD13
UL Ref. HW-D-0499
Sound Wall - Resilient Channel
Soffi-Frame Det. VM11
UL Ref. HW-D-0498

Vertical Joint - Concrete
Soffi-Frame Det. VM1
UL Ref. WW-S-0055

Vertical Joint - I-Beam
Soffi-Frame Det. VM3
UL Ref. WW-S-0055/HW-D-0558

Fire Rated Control Joints
Soffi-Frame Det. VM27
WFCi Ref. Report #12033

Fire Rated Reveal Trims
Soffi-Frame Det. VM7
WFCi Ref. Report #12142

Notched Strong Back Backing
Soffi-Frame Det. PS51
See Load Tables for Horizontal and Vertical Capacity

One Hour
5/8" Type X Gypsum Wallboard
Soffi-Frame "FSB" Profile
Reveal Trim or Control Joint

Two Hour
Soffi-Frame "FSB" Profile
Reveal Trim or Control Joint

Non-Combustible Light Gauge Metal Backing
Meets Requirements of:
ADAAG Section 4.26 (Grab Bars, Hand Rails, and Shower Seats)
OSHPD 2013 CBC (Details ST5.00, ST5.01, and ST5.03)
DSL2 - Single Wall
SL1 - Chase Wall
DL2 - Single Wall
DL1 - Chase Wall
JR - Shaft Wall
JRS - Shaft Wall
Safi-Strip – Roll Material
ODSL - Offset Leg Slotted
**Project Submittal – Metal Deck w/Coated Beams**

- **ODL** - Offset Leg Solid
- **OIR** - Offset Leg J-runner
- **DP** - Safti-Frame Deck Plug
- **SWCP** - Shaft Cavity Plug
- **RCS** - Resilient Channel
- **BT** - Bottom Track
- **OSA** - Bypass Cavity Obstructions
- **OAN** - Bypass Cavity Obstructions

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FCA – Flute Cover Angle

FC – Flute Cover

CJB – Fire Rated Control Joint Backer

FSB – Fire Rated Reveal Trim Backer

NSB – Notched Strong Back

FBP – Flush Backing Plate

Header System

HJC – Header, Jamb, Cripple Clip
Safti-Seal Benefits

Safti-Strip "gasket" Joint Protection
Direct Attachment - No Caulk at Substrate
Reduced Sound Transfer
Sound Dampened Metal Profiles
Exposed Head of Wall and Deflection Gaps
Level III Dynamic Cycle (seismic) Rated
Lifetime Protection - No Joint Fatigue

STC - 51
Single Wall Unbalanced - (TL 17-289)

STC - 55
Single Wall Balanced - (TL 17-288)

STC - 63
Chase Wall Unbalanced - (TL 17-293)

STC - 64
Chase Wall Balanced - (TL 17-292)

STC Rated [ASTM E90-09]
NVLAP accredited
ASTM E90-04
LEED (Leadership in Energy and Environmental Design)

The following information is provided to assist Architects and Persons responsible for obtaining a U.S. Green Building Council (USGBC) Certification.

Safti-Frame composite steel/intumescent profiles are manufactured in Auburn, WA and consist of a ratio of steel to intumescent (by weight) of approximately 90% and 10% respectively. Our product profiles qualify for the following credit requirements:

**Steel:**

**Credit MR 2.1 & 2.2** - Construction Waste Management: up to 2 points

**Credit MR 4.1/4.2** – Recycled Content Requirements

Steel used in the manufacture of our steel profiles contains approximately 32.3% recycled steel consisting of 25.5% Post-Consumer and 6.8% Pre-Consumer.

**Credit MR 5.1/5.2** – Regional Materials Requirements (Applies for some projects)

Steel used in the manufacture of our steel profiles is purchased from sources within 500 miles of our manufacturing facility (Auburn, WA). Steel may contain local materials and recycled content, not all of the steel content generally comes from local sources.

**Intumescent:**

**Credit EQ 4.1** – Low Emitting Materials: Adhesives & Sealants

Cured intumescent and adhesives used in the manufacture of our profiles contain less than 10 g/l volatile organic compounds (VOC) and comply with limits established by the South Coast Air Quality Management District (SCAMQD) Rule #1168, and the Bay Area Air Quality Management District Regulation 8, Rule 51.

**Credit EQ 9** – Enhanced Acoustical

**Why is there no LEED Certification on the product label?**

According to USGBC: “USGBC certifies buildings, not the materials that are used to construct the buildings. Only USGBC can use the LEED logo. All others violate USGBC’s registered trademark rights.”