Submittal Packet – "Double Tee" Concrete

1. Plan Set Details "Typical" Conditions for "Double Tee" Concrete Substrate with links to UL/Third party Listed Assemblies and Safti-Seal Detailed FRG (Fire Rated Gasket), SSG (Smoke-n-Sound Gasket), and CJG (Control Joint/Continuation Gasket) Assemblies

2. Product Profiles and Submittal Sheets commonly used for Flat Concrete Substrate

3. Documentation:

   -Typical Detailed Assemblies
   -STC Reference Sheet
   -LEED Data Sheet

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

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

Fire Rated Gasket Profile - Flyer

Smoke-n-Sound Gasket Profile – Flyer

Control Joint/Continuation Gasket Profile – Flyer

Double J Shaft Wall Solutions - Flyer

Resilient Channel Assembly Solutions - Flyer

Header Assemblies - *HJC Clip*

Backing Assemblies - *NSB* **&** *FBP*

Installation, Recommendations, Repair

Chemical Compatibility with Sealants

Material Safety Data Sheets

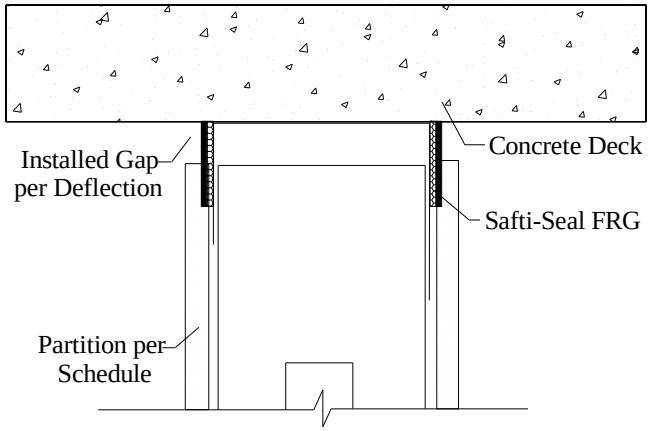
Buy American Act Certification

Assembly and Product Certifications and Leeds

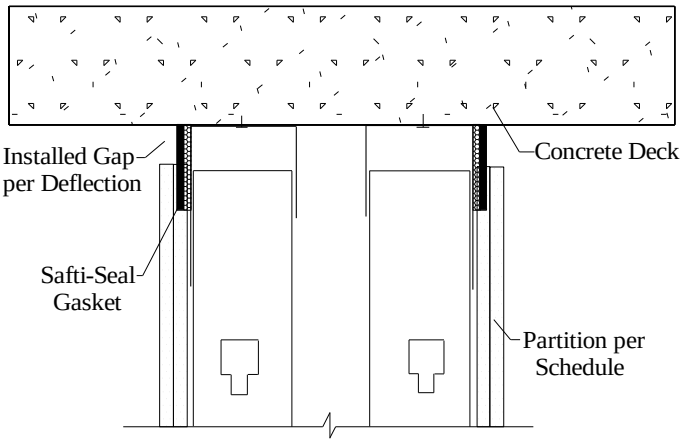
UL, ASTM & Code Standards
UL2079 (5th Edition) & CAN/ULC S115
ASTM E814, E1966, E2837
A1003, A653, A924, C645, C754, C955
Sound Tested according to ASTM E90-09
2015 & 2018 IBC

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

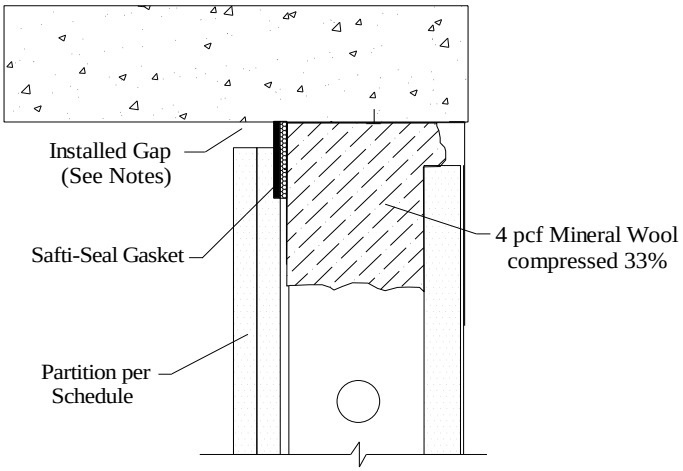
Project Submittal – “Double Tee” Concrete



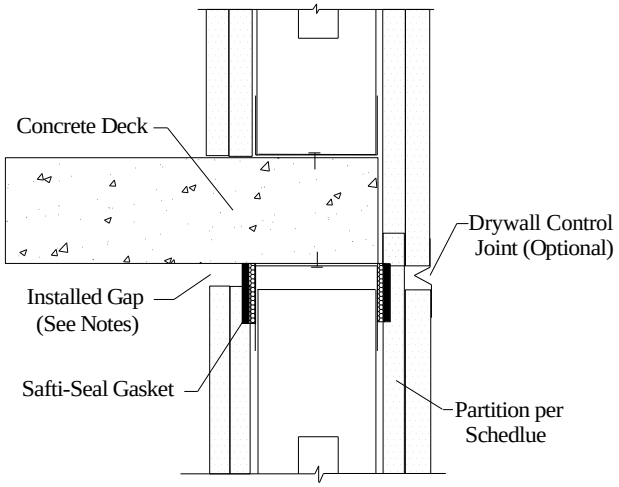
1 Single Wall – (PT1)
UL Ref. HW-D-0890



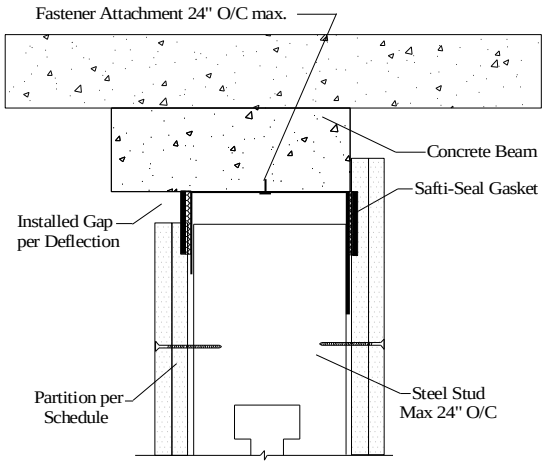
2 Chase Wall – (PT2)
UL Ref. HW-D-0892



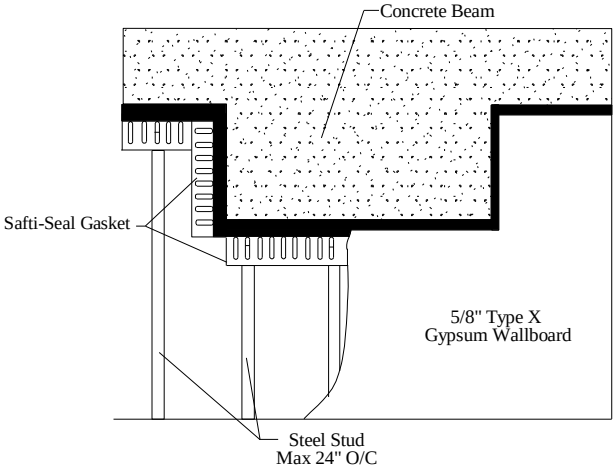
3 Shaft Wall – (PT3)
UL Ref. HW-D-0889



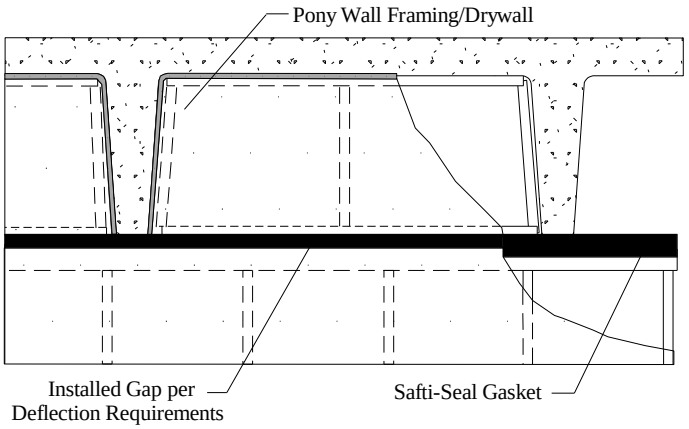
4 Stair Shaft Control Joint – (PT4)
UL Ref. HW-D-0893



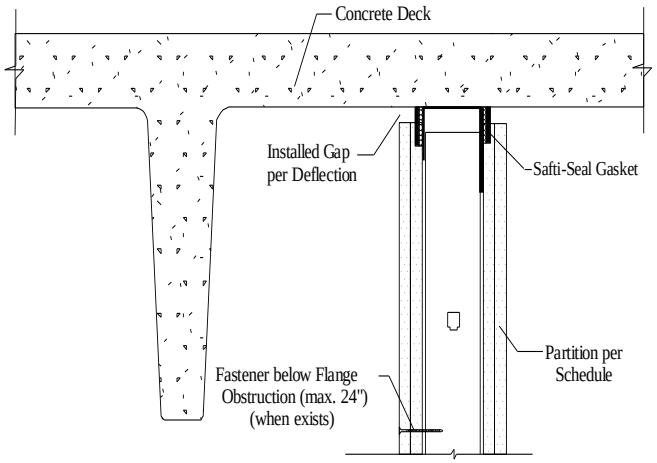
5 Concrete Beam Edge – (PT5)
UL Ref. HW-D-0890



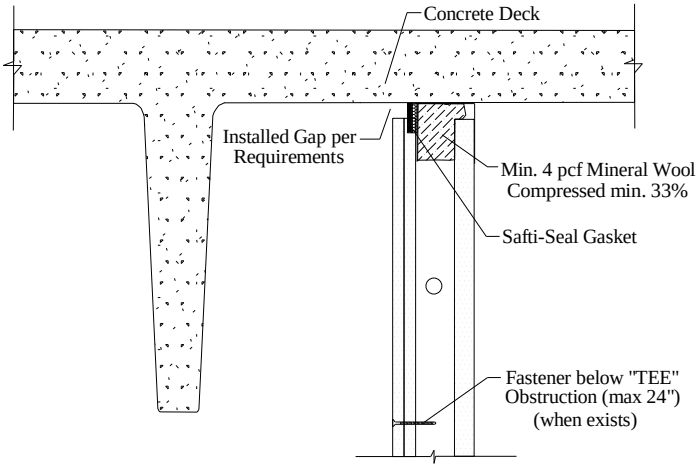
6 Vertical Joint – Concrete – (PT1)
UL Ref. HW-D-0890



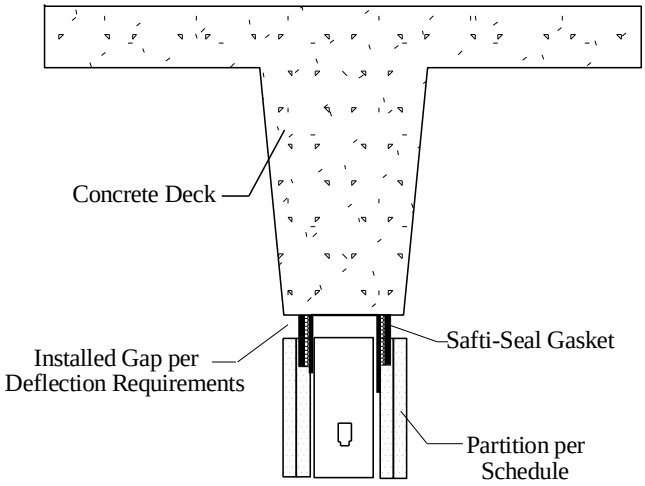
7 Joint Bottom Beams – (DT1)
UL Ref. HW-D-0890/0895



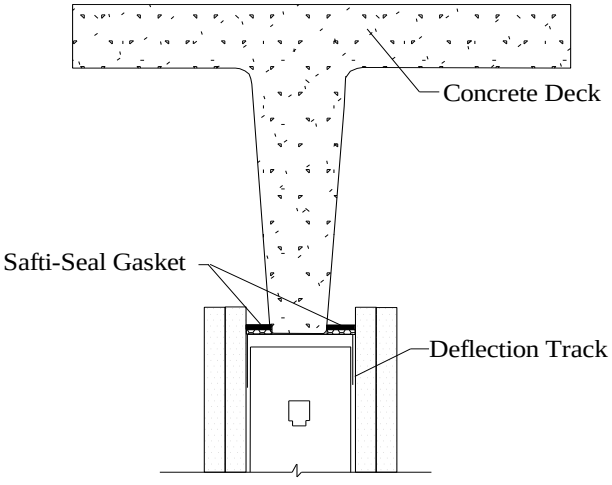
8 Parallel Beams – (DT2)
UL Ref. HW-D-0890



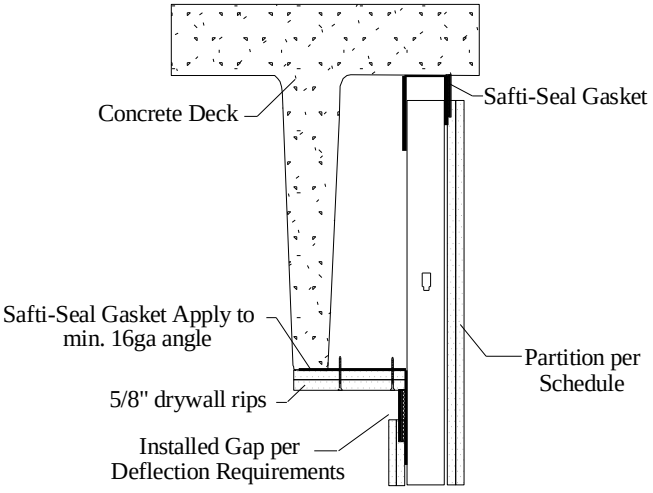
9 Shaft Wall Parallel Beam – (DT7)
UL Ref. HW-D-0889/0900



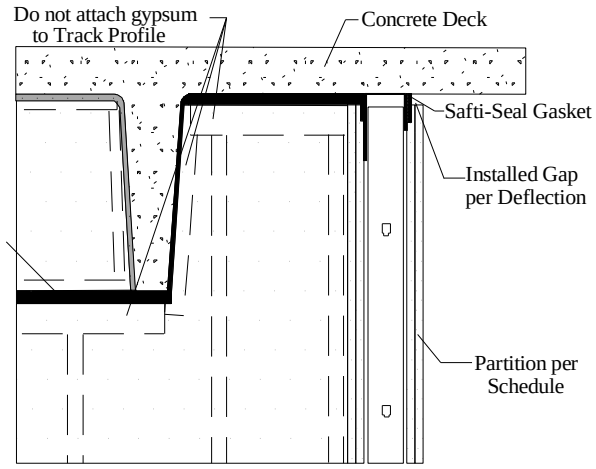
10 Centered Under Beam – (DT4)
UL Ref. HW-D-0890



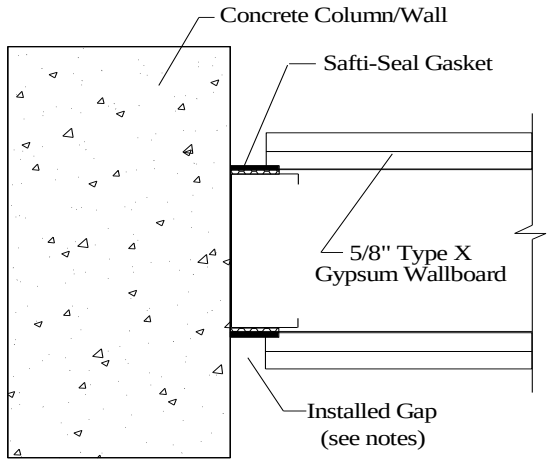
11 Cantilever Under Beam – FRG – (DT3)
UL Ref. HW-D-0896



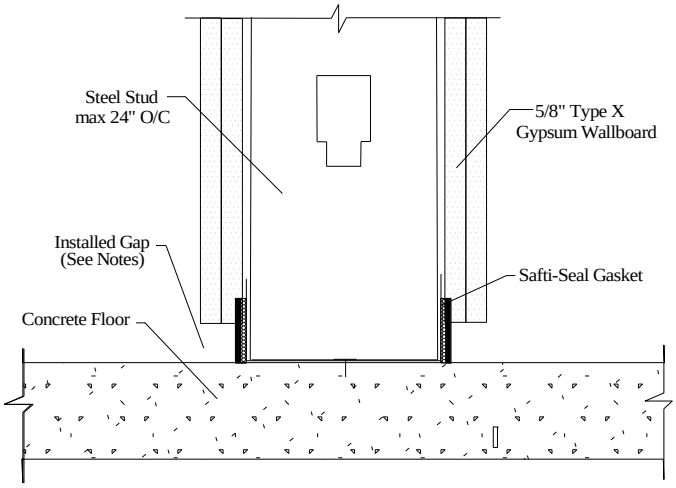
12 TEE > 24" – ISA & Rips – (DT5)
UL Ref. HW-D-0903



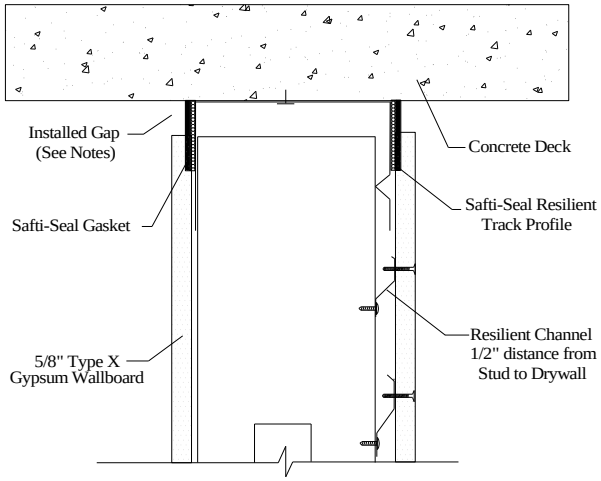
13 Intersecting Wall Between – (DT6)
UL Ref. HW-D-0890/0895



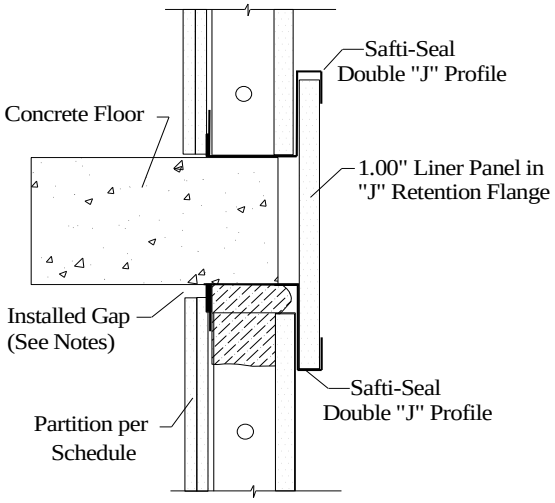
14 Vertical – Concrete – (PT11)
UL Ref. WW-S-0089



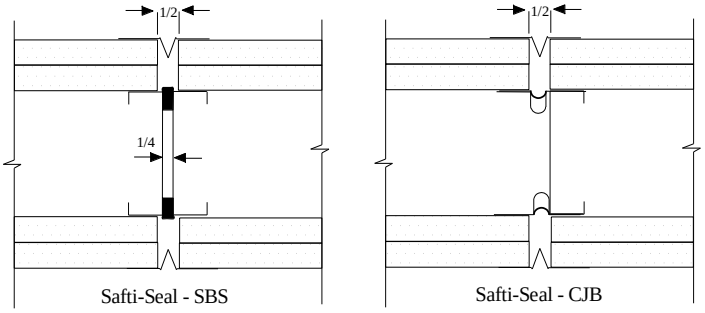
15 Bottom of Wall – (PT6)
UL Ref. BW-S-0055



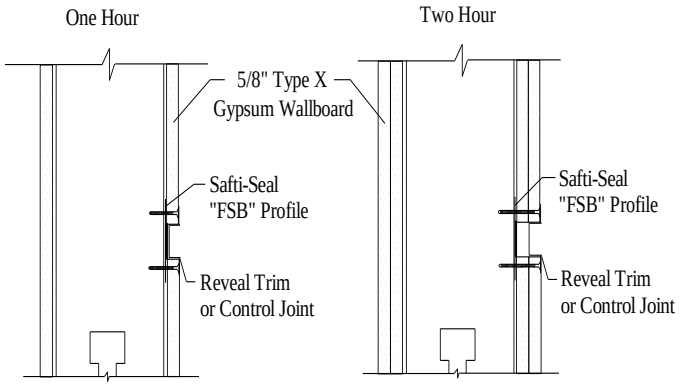
16 Sound Wall – Resilient Channel – (PT9)
UL Ref. HW-D-0890



17 Shaft Wall Double J – (PT10)
UL Ref. HW-D-0889

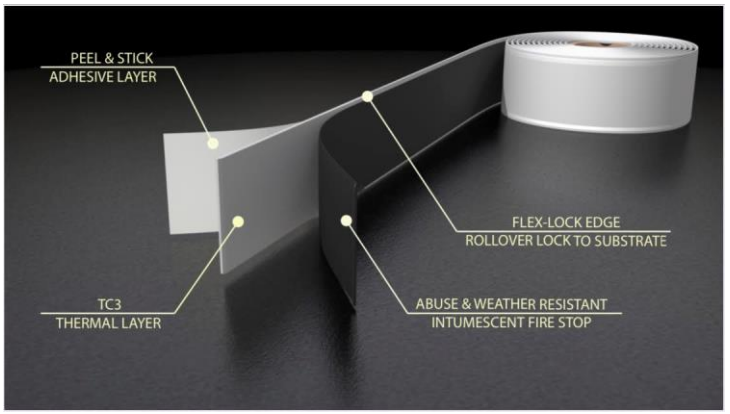


18 Rated Control Joints BSG & CJB Options
UL Ref. WW-D-0257 & WFCi #12033

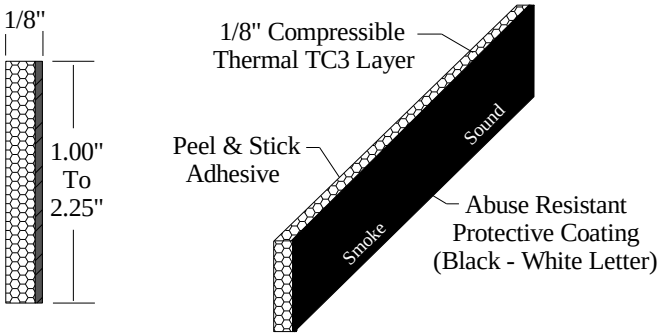


Fire Rate Reveal Trims – (VM7)
WFCi Ref. Report #12142

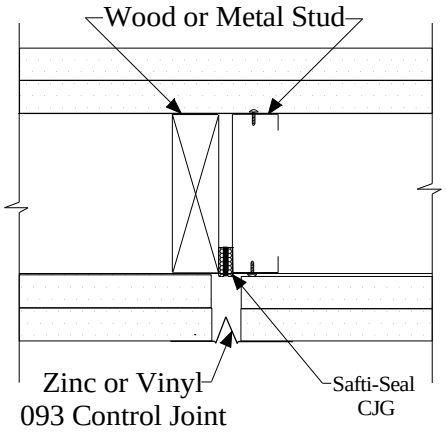
19



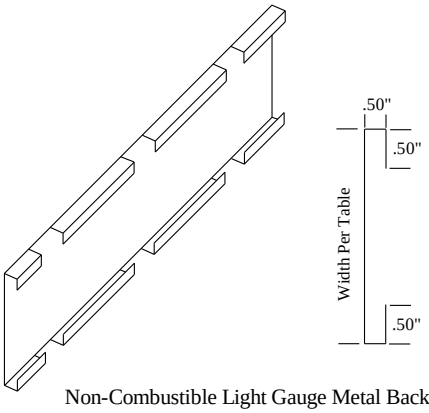
FRG – Fire Rated Gasket – (PS1)



SSG – Smoke-n-Sound Gasket - (PS2)



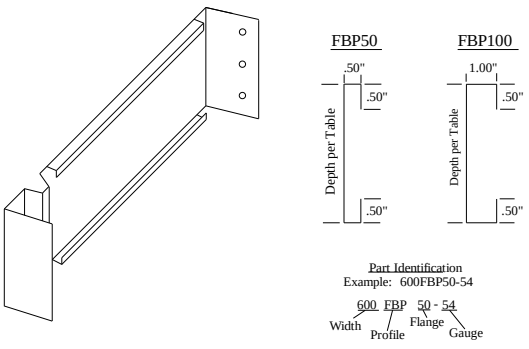
CJG – Control Joint Gasket – (PS3)



Non-Combustible Light Gauge Metal Backing

Meets Load Requirements of:
ADAAG Section 4.26 (Grab Bars, Hand Rails, and Shower Seats)
OSHPD 2013 CBC (Details ST5.00, ST5.01, and ST5.03)

NSB - Notched Strong Back – (PS29)



FBP – Flush Backing Plate – (PS30)

Sound Tested in Accordance with ASTM E90-09

Safti-Seal Gasket Benefits

Seat/Seal to Substrate "gasket" Protection

No Adhesive, Cohesive, or Substrate Failure

Level III Dynamic Cycle (seismic) Rated

Seal Flanking Paths Around Assembly

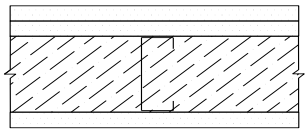
Dampened Sound & Vibration Transfer

Exposed Head of Wall and Deflection Gaps

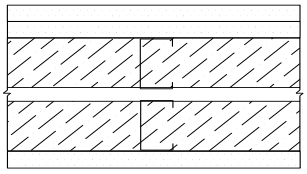
Lifetime Seal - No Joint Material Fatigue

Reports (ASTM E90-09) Click Report Number

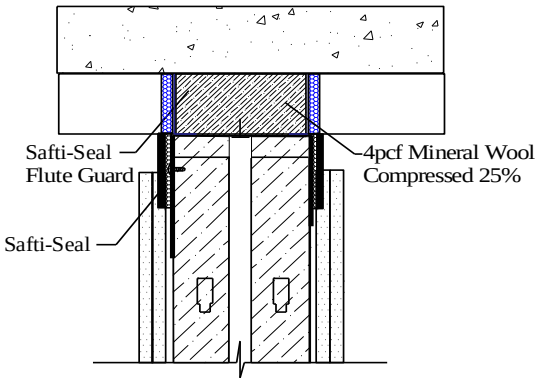
STC - 51
Single Wall Unbalanced - **(TL 17-289)**



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



STC - 64
Flute Guard Perpendicular - **(TL 19-113)**

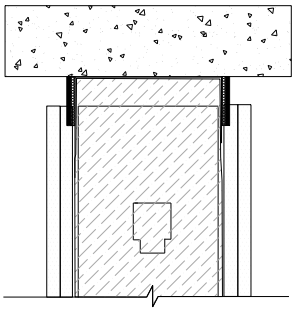


Safti-Seal Tested Wall Assemblies

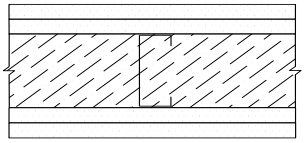
1/2" to 3/4" Exposed Deflection Gaps

5/8" Type X Gypsum Sheathing

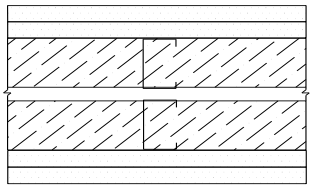
3 1/2" Fiberglass Insulation Cavity Fill



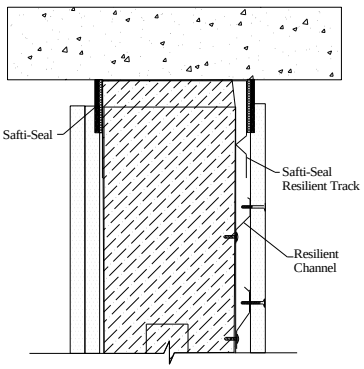
STC – 55
Single Wall Balanced - **(TL 17-288)**



STC - 64
Chase Wall Unbalanced - **(TL 17-292)**



STC - 54
Resilient Channel Assembly - **(TL 19-184)**



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-Seal composite steel/FRG strip profiles are manufactured in Auburn, WA and consist of a ratio of steel to Safti-Strip (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.

Safti-Strip:

Credit EQ 4.1 – Low Emitting Materials: Adhesives & Sealants

Cured Safti-Strip 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."*