

MARINO WARE

Firestopping

Fire Bead • Fire Gasket • HotRod XL



YOUR SUCCESS DEPENDS ON QUALITY BUILDING PRODUCTS AND SO DOES OURS.

Marino\WARE® understands that fire stopping is critical to quality and safety in a modern construction project. Our technologies in Fire Gasket®, Fire Bead®, HOTROD® XL, and FAS Track firestopping make up our selection of innovative solutions to protect your framing project with tested fire resistance. These solutions also include additional benefits, such as sound control and universal fitting.

Marino\WARE is committed to providing a superior customer experience through a vast selection of readily available products, a knowledgeable sales team, comprehensive technical support and services, prompt delivery through our fleet of trucks, and an extensive distribution network.

CODE COMPLIANCE

ASTM & Code Standards

- ASTM A653/653M, A924/924M, A1003/1003M, C645 and C754.
- ASTM E3157-20 Standard Guide for Understanding and Using Information Related to Installation of Firestop Systems.
- UL ESR25033-01 (Fire Bead, Fire Gasket (0.5, 1, 1.5), FAS 093X, FAS 093X-V, FAS Strap, RBR Strap, HOTROD Type-X (1" & 2"), HOTROD XL, Super Seal-X, FireRip, Flute Shield).
- IBC: 2012, 2015, 2018, 2021
- CBC: 2013, 2016, 2019
- ASTM E 1966: Standard Test Method of Fire Tests of Firestop Systems.
- UL 2079 5th Edition Tests For Fire Resistance of Building Joints.
- ASTM E-119 Standard Test Methods for Fire Tests of Building Construction and Material.
- Sound Tested in accordance with ASTM E90-09.
- Air leakage tests conducted for compliance with Section 713.6 of IBC and CBC.



TECHNICAL SERVICES + SUPPORT | *DesignGroup*

Our commitment to quality products extends to best-in-class design support. The Marino\WARE® DesignGroup™ offers a full range of technical support and engineering services, including professionally engineered stamped shop drawings, design and installation assistance on all Marino\WARE manufactured products, and expert advice on structural, nonstructural, fire and acoustic assemblies.

If you have questions or need more information on any of the products listed in this catalog, contact our Technical Services department at technicalservices@marinoware.com, or at 866.545.1545. In most cases Technical Services representatives can provide an immediate response.

Warranty & Limitations

All products presented herein are warranted to the buyer to be free from defects in material and workmanship. The foregoing warranty is non-assignable and in lieu of and excludes all other warranties not expressly set forth herein, whether express or implied by operation of law or otherwise, including but not limited to any implied warranties of merchantability or fitness for a particular purpose. All details and specifications presented herein are intended as a general guide for the use of Marino\WARE® framing systems. These products should not be used without evaluation by a qualified engineer or architect to determine their suitability for a specific use.

Marino\WARE assumes no responsibility for failure resulting from use of its details or specifications, or for failure resulting from improper application or installation of these products.

Governing Law

All issues arising in connection with your order and all transactions associated with it shall be interpreted according to the laws of the State of New Jersey, and all actions or other proceedings arising out of such issues shall be brought only in Superior Court, State of New Jersey, County of Essex, or United States District Court for the District of New Jersey. No action may be brought more than one year after accrual of the cause of action therefore.

Table of Contents

ASTM/Standards Declaration	3
Material Content	4
Sound Test Reports	5
HOTROD® XL (Fire Rated Deflection Bead) Specification Sheet	6
HOTROD® XL UL Details	7-11
Marino\WARE Fire Bead® (Fire Rated Deflection Bead) Specification Sheet	12
Marino\WARE Fire Bead® UL Details	13-14
Marino\WARE Fire Gasket® .5 (Firestopping for Building Joints) Specification Sheet	15
Marino\WARE Fire Gasket® 1 (Firestopping for Building Joints) Specification Sheet	16
Marino\WARE Fire Gasket® 1.5 (Firestopping for Building Joints) Specification Sheet	17
Marino\WARE Fire Gasket® UL Details (FG.5, FG1, & FG1.5)	18-21
HOTROD® Type-X (Compressible Firestopping) Specification Sheet	22
HOTROD® Type-X UL Details	23-26
CEMCO Flute Shield Specification Sheet	27
CEMCO Flute Shield UL Details	28
FAS® STRAP Specification Sheet	29
FAS® STRAP UL Details	30
RBR Strap (Rated Base Reveal) Specification Sheet	31
RBR Strap UL Details	32
Smoke and Sound Stop Specification Sheet	33
Marino\WARE Sound Gasket® (Sound Abatement for Building Joints) Specification Sheet	34
FAS J-Track Specification Sheet	35
FAS J-Track UL Details	36
FAS Track 1000 Specification Sheet	37
FAS Track 1000DL Specification Sheet	38
FAS Track 1000 UL Details	39
FAS Track 1000 UL Details	40
FAS TRACK BT 1000	41
FAS® 093X™ Specification Sheet	42
FAS® 093X™-V Specification Sheet	43
FAS® 093X™-V UL Details	44
FAS® VDJ (Vertical Drift Joint) Specification Sheet	45
FAS® VDJ UL Details	46

LEED v4 for Building & Design Construction (Steel)

- MR Prerequisite: Construction and Demolition Waste Management Planning.
- MR Credit: Construction and Demolition Waste Management.
- MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials, Option 2.
- MR Credit: Building Product Disclosure and Optimization – Material Ingredients, Option 1.
- MR Credit: Building Life-Cycle Impact Reduction, Option 4.

Recycled Content (Steel)

- Total Recycled Content: 36.9%
- Post-Consumer: 19.8%
- Pre-Consumer: 14.4%

Recycled Content (Vinyl)

Marino\WARE Fire Bead®, Fire Gasket®, Sound Gasket®, and HotRod® XL are manufactured for Marino\WARE by Trim-Tex Drywall Solutions with recycled PVC materials. These trims contain the following recycled content (RC) in the finished vinyl product:

Marino\WARE Product	Pre-Consumer RC	Post-Consumer RC
Fire Gasket®, Sound Gasket®	65%	0%
Fire Bead®	30%	0%
HOTROD® XL	42%	0%

All products are manufactured and assembled in the United States. The foam component of HOTROD® XL does not contain pre- or post-consumer recycled content and is not recyclable. It is classified as a non-regulated solid waste and is not considered hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. It does not contain any ingredients that are IARC, NTP, or OSHA listed carcinogen. Its VOC Content is less than 1% by weight and less than 10 g/L.

Intumescent Fire Tape

Intertek does hereby certify that an independent assessment has been conducted on behalf of RECTORSEAL, LLC

Certificate Number: CA-42996-2021a

Conformance Criteria: California Department of Public Health (CDPH) Standard Method v1.2: Private Office and School Classroom.

Issuing Office Name & Address: Intertek Testing Services NA, Inc. 4700 Broadmoor Ave SE, Suite 200, Kentwood, MI 49512 USA

Ph: +1-616-656-7401

Product Category	Intumescent Tape
Model Name	BlazeSeal™
Product Restrictions	None
TVOC Range*	Between 0.5 and 5.0 mg/m3



CERTIFIED
CLEAN AIR GOLD

PATENTS & INTELLECTUAL PROPERTY RIGHTS

CEMCO fire-rated products, or installations incorporating these products, may be covered by one or more of the following U.S. Patent #'s, as well as several other patents pending:

- 7,617,643
- 8,281,552 B2
- 8,322,094
- 8,353,139
- 8,595,999
- 8,640,415
- 8,671,632
- 8,793,947
- 8,938,922
- 9,045,899
- 9,085,895
- 9,127,454
- 9,290,932
- 9,371,644
- 9,481,998
- 9,551,148
- 9,551,148 B2
- 9,616,259
- 9,637,914
- 9,683,364
- 9,739,052
- 9,752,318 B2
- 9,879,421
- 9,931,527
- 9,973,319
- 10,000,923
- 10,011,983
- 10,077,550
- 10,184,246
- 10,689,842 B2
- 10,753,084
- 11,111,666

For more information, please contact Marino\WARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

HOTROD® Type-X and HOTROD® XL Sound Test Reports

- NOAL 19-1049 STC 68 Double Wall/Double Layer HOTROD XL
- NOAL 19-1048 STC 63 HOTROD XL Double Wall
- STC-68 2 layer, 2 layer ViperStud 18 mil, 24 OC Chase Wall R13 HOTROD TL14-285
- STC-68 2 layer, 2 layer, Viper-X 18 mil, 24 OC Chase Wall R13 HOTROD XL NOAL19-1049
- STC-63 1 layer, 2_layer ViperStud 18 mil 24 OC R11 Tab Track HOTROD TL17-433
- STC-60 1 layer, 1 layer ViperStud 18 mil 24 OC R11, HOTROD TL17-430
- STC-58 2 layer, 1 layer ViperStud 18 mil 24 OC R13 Tab Track, Orfield15 1016
- STC-51 2 layer, 1 layer, ViperStud 18 mil 24 OC R13, HOTROD Orfield15-1012
- STC-51 2 layer, 1 layer ViperStud 18 mil 24 OC R11, HOTROD TL17-418
- STC-50 2 layer, 1 layer Viper-X 18 mil 24 OC R13, HOTROD XL NOAL19 117
- STC-50 2 layer, 1 layer Viper-X 18 mil 24 OC R13, HOTROD XL NOAL19-1041

Sound Test Reports for Fire Bead®, Fire Gasket®, Sound Gasket®, FAS J-Track, RBR Strap, 093X

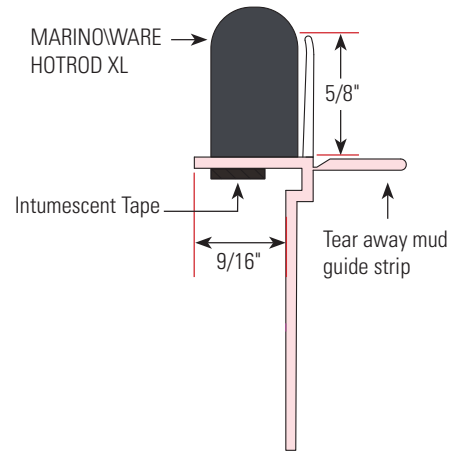
- NOAL 18-0763S STC 55 Single Wall Unbalanced
- NOAL 18-0762S STC 51 Single Wall Unbalanced
- NOAL 19-1046 STC 66 Double Wall Unbalanced
- NOAL 19-1045 STC 62 Double Wall Unbalanced
- NOAL 19-1043 50 STC Single Wall Unbalanced
- NOAL 18-0766 STC 66 Single Wall/Double Layer
- NOAL 18-0765 STC 63 Double Wall/Single/Double Layer
- NOAL 18-z0762 STC 51 Single Wall/Single Layer/Double Layer
- NOAL 18-0763 STC 55 Single Wall/Double Layer
- TL 14-215 STC 57 093X with RC-1 Single Layer/Double Layer
- OL15-1010 STC 52 RBR Strap Single/Double Layer
- NOAL 19-0116 STC 50 Fire Bead Single Wall Unbalanced
- USG-170701 STC 42 for 4" Shaft Wall Cavity



Product Description

MarinoWARE HOTROD® XL is a surface mounted fire-rated deflection bead tested to UL 2079. It provides 1 & 2 hour firestop solutions in joints for both standard wall and shaft wall types between flat concrete or fluted metal deck applications.

- **HOTROD XL** tested with up to 80% compression and 30% extension.
- **HOTROD XL** combines compressible foam, a vinyl concealment leg along and intumescent strip to provide an aesthetically pleasing joint.
- **HOTROD XL** provides a single step installation of both a code compliant firestop and finished drywall accessory in one piece.
- **HOTROD XL** is pink in color for ease of inspection.
- **HOTROD XL** installs on the face of the drywall with a perforated mud leg incorporated to accept joint compound.
- **HOTROD XL** can be used with CEMCO Spray-less Flute Clips to eliminate need for additional firestop sealant or spray.
- **HOTROD XL** easily installs using spray adhesive and staples.
- **HOTROD XL** installs fully cured and is paintable.
- **HOTROD XL** does not have temperature or humidity limits for installation.
- **HOTROD XL** provides Sound Transmission Classification (STC) ratings up to 68.



Ordering / Packaging

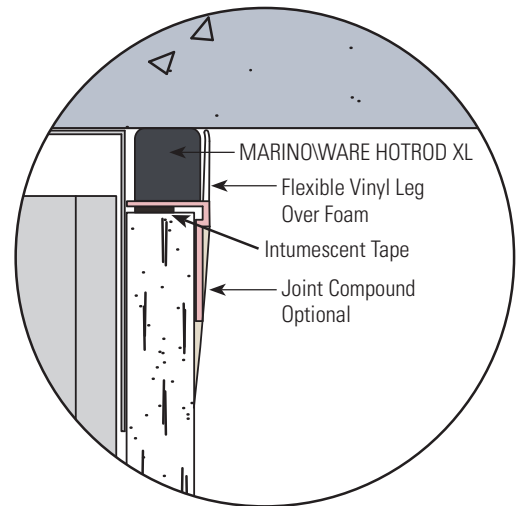
Description	Part Number	Size	Length	Pcs/Carton
HOTROD XL	HOTROD XL	1/2" x 3/4"	10'	10

Storage / Warranty:

- When stored indoors and kept dry in the original package, HOTROD XL will not deteriorate and has no expiration date.
- Sustainable Building Life-Cycle Warranty – see CEMCO Firestop Product Warranty for details.

ASTM & Code Standards

- ASTM E-84 ASTM E-90 ASTM E-119 ASTM E1966
- UL 263 UL 723 UL 2079 5th Edition UL ER25033-01
- L-Rating (air leakage) testing for compliance with International Building Code (IBC) and Canadian Building Code (CBC).
- UL listings/approvals include: BW-S-0024; HW-D-0514, HW-D-0518; HW-D-0524; HW-D-0525; HW-D-0550; HW-D-0551; HW-D-0553; HW-D-0554; HW-D-0573; HW-D-0596; HW-D-0620; HW-D-0621; HW-D-0624; HW-D-0625
- U.S. Patent No. 9,683,364; 10,184,246; and 10,914,065



← Scan or click the code to view the installation video!



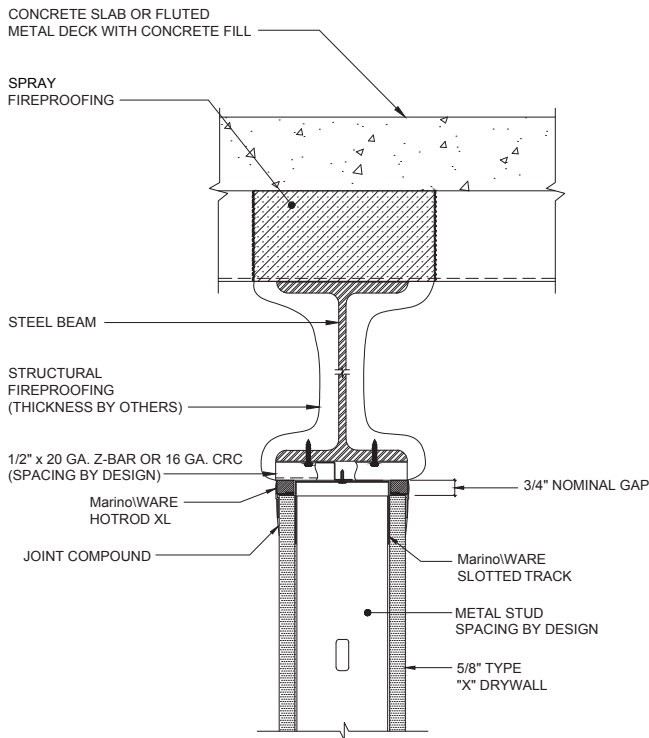
Scan or click → the code to view the installation guide!



For more information, please contact MarinoWARE® Technical Services at 866.545.1545

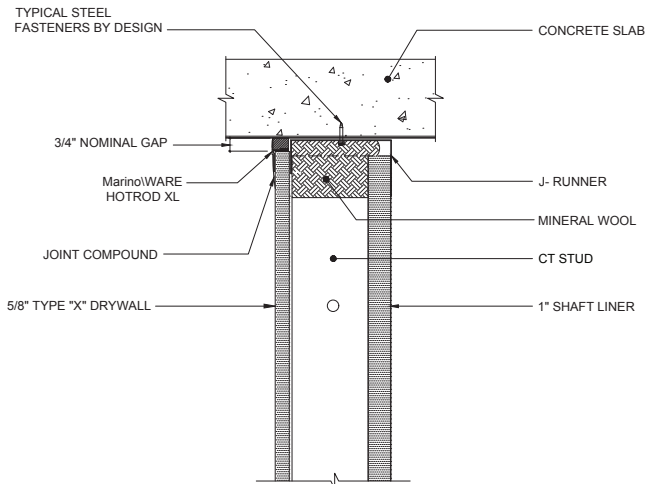
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

HW-D-0551 1 & 2HR PARALLEL & CENTERED DIRECTLY UNDER BEAM



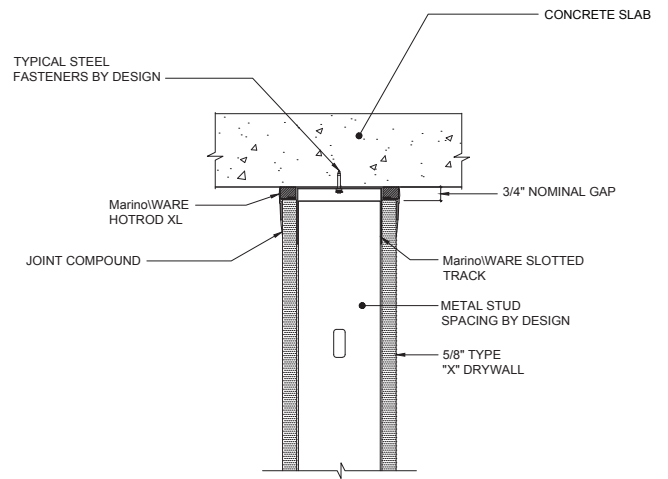
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0625 1 & 2HR SHAFT WALL, CONCRETE SLAB



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0624 1 & 2HR STANDARD WALL, CONCRETE SLAB

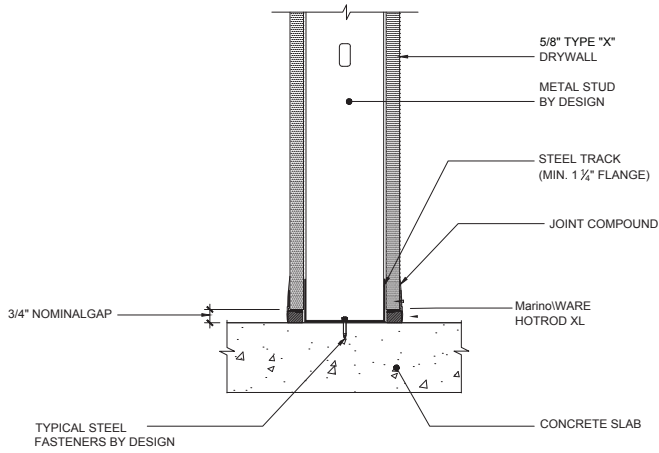


*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

Always check UL Fire resistance directory for complete design requirements.
 For more information, please contact MarinoWARE® Technical Services at 866.545.1545

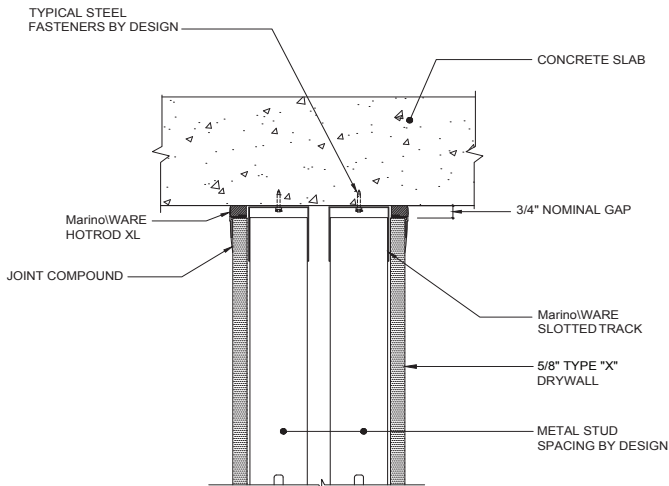
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

BW-S-0024 1 & 2HR BOTTOM OF WALL



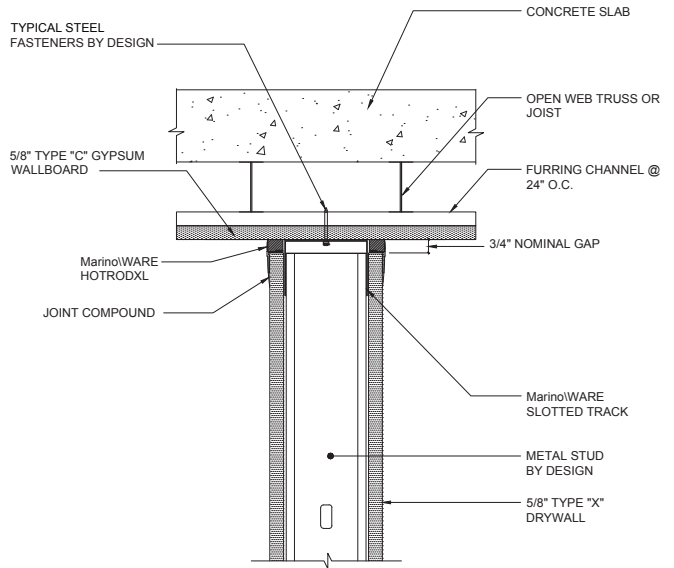
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0554 1 & 2HR STANDARD CHASE WALL, CONCRETE SLAB



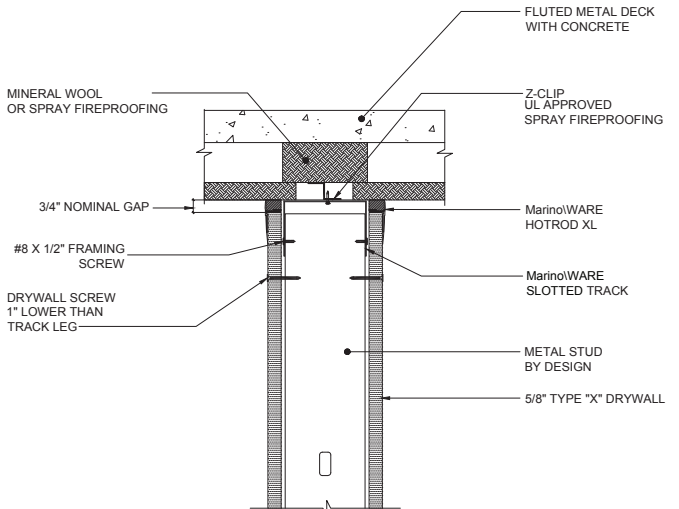
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0550 1 & 2HR STANDARD WALL, GYPSUM WALLBOARD CEILING



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0514 1 & 2HR STANDARD WALL, PERPENDICULAR TO FLUTED DECK



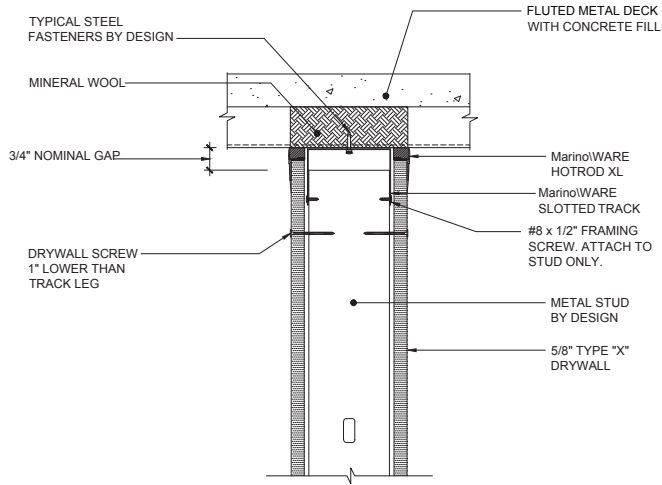
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

Always check UL Fire resistance directory for complete design requirements.

For more information, please contact MarinoWARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

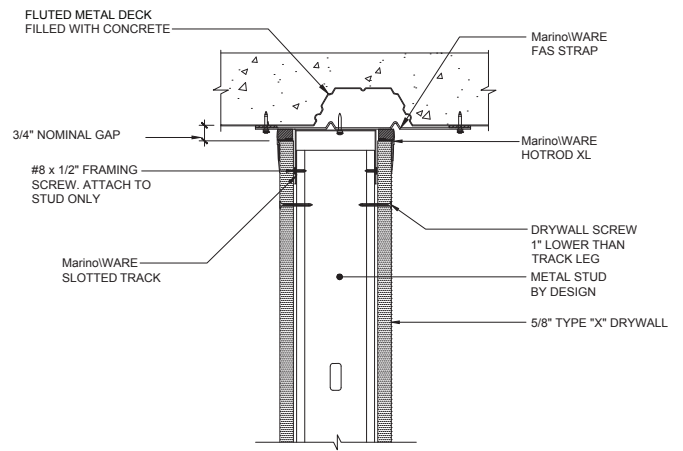
HW-D-0518 1 & 2HR STANDARD WALL, PERPENDICULAR TO FLUTED DECK



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

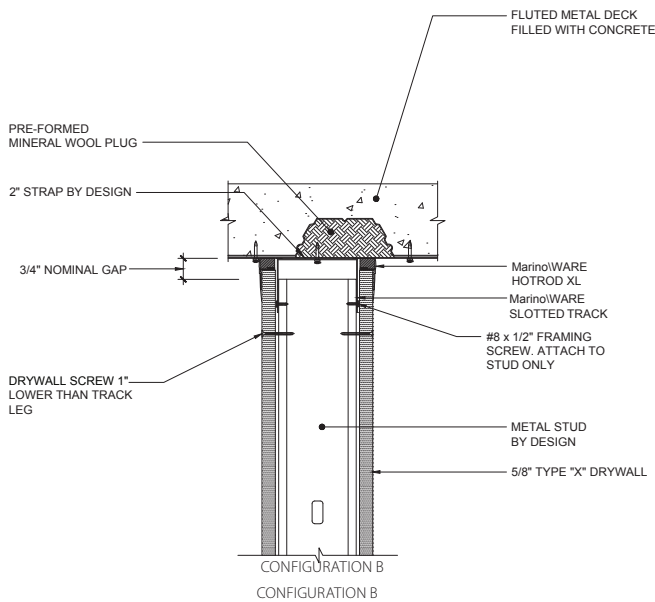
HW-D-0524 1 & 2HR OFFSET & PARALLEL UNDER FLUTED DECK

HW-D-0524 1 & 2HR OFFSET & PARALLEL UNDER FLUTED DECK



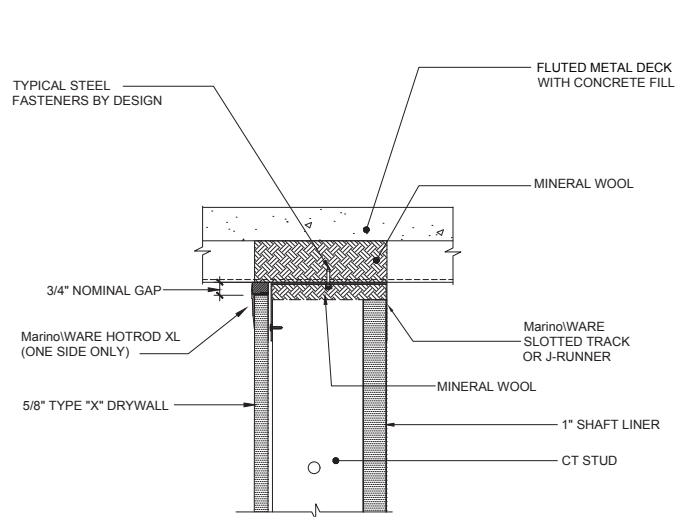
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0524 1 & 2HR OFFSET & PARALLEL UNDER FLUTED DECK



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0525 1 & 2HR SHAFT WALL, PERPENDICULAR TO FLUTED DECK



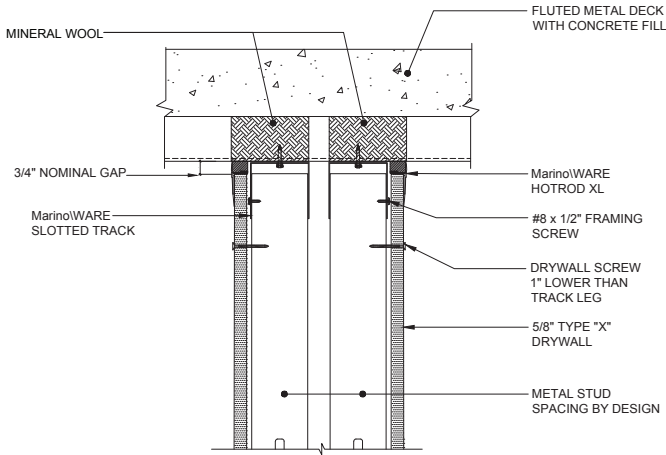
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

Always check UL Fire resistance directory for complete design requirements.

For more information, please contact MarinoWARE® Technical Services at 866.545.1545

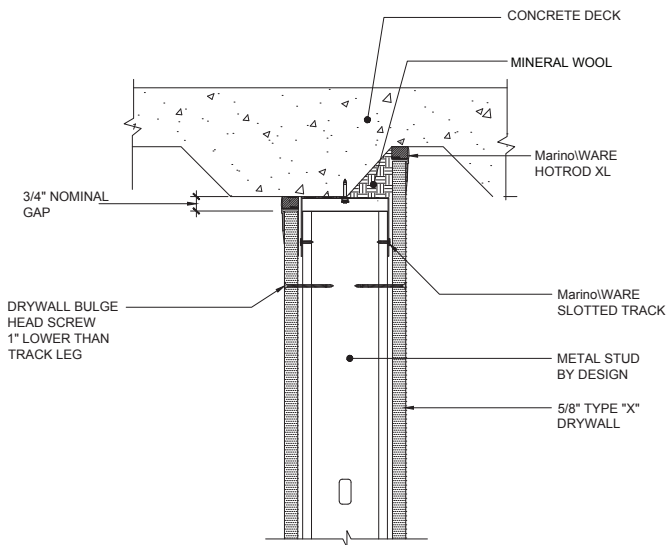
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

HW-D-0553 1 & 2HR CHASE WALL, PERPENDICULAR TO FLUTED DECK



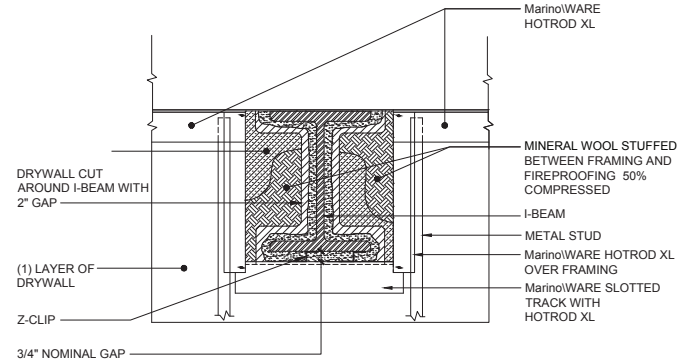
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0620 1 & 2HR PARALLEL & OFFSET UNDER FLUTED DECK



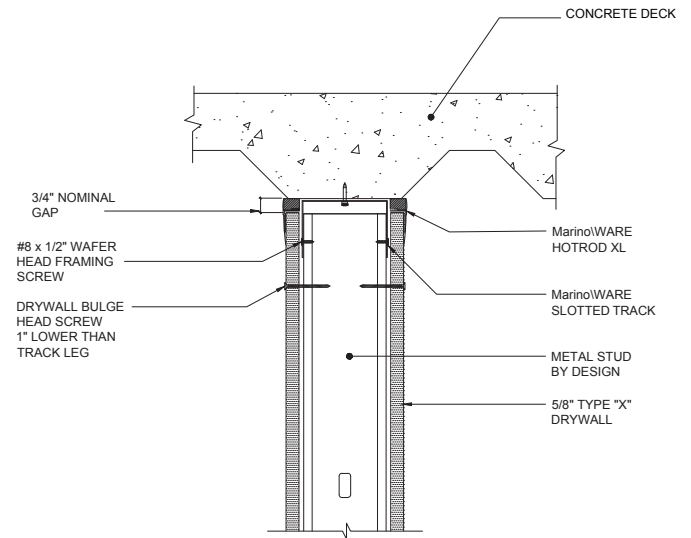
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0573 1 & 2HR STANDARD WALL @ FLUTED DECK BEAM PENETRATION



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0620 1 & 2HR PARALLEL & DIRECTLY UNDER FLUTED DECK

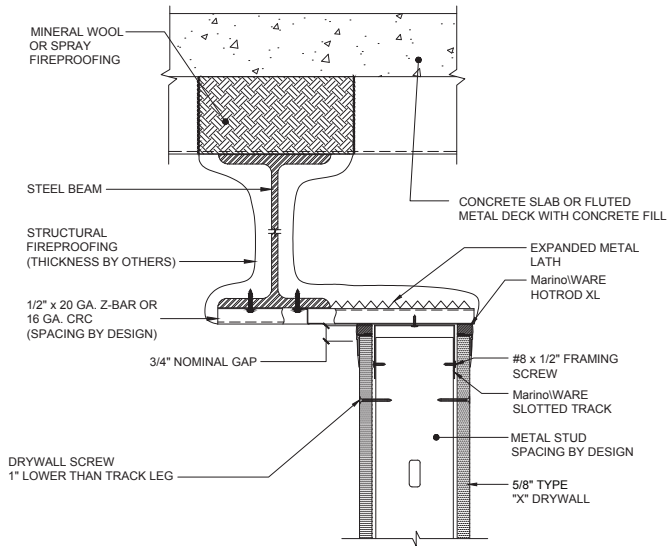


*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

Always check UL Fire resistance directory for complete design requirements.
For more information, please contact MarinoWARE® Technical Services at 866.545.1545

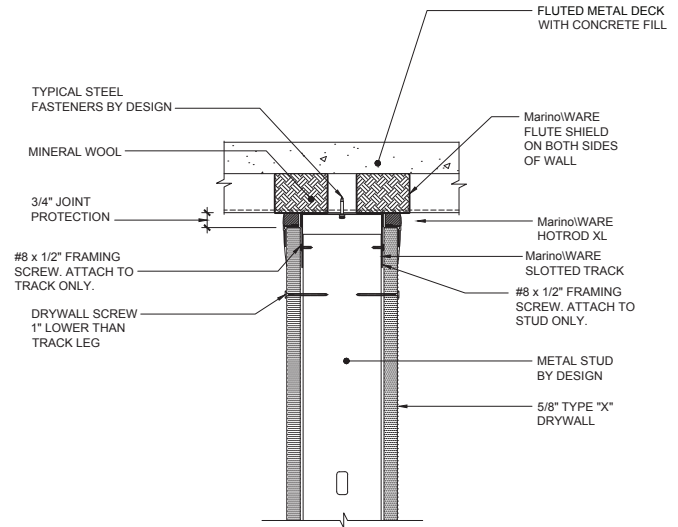
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

HW-D-0652 1 & 2HR PARALLEL & CANTILEVERED UNDER BEAM



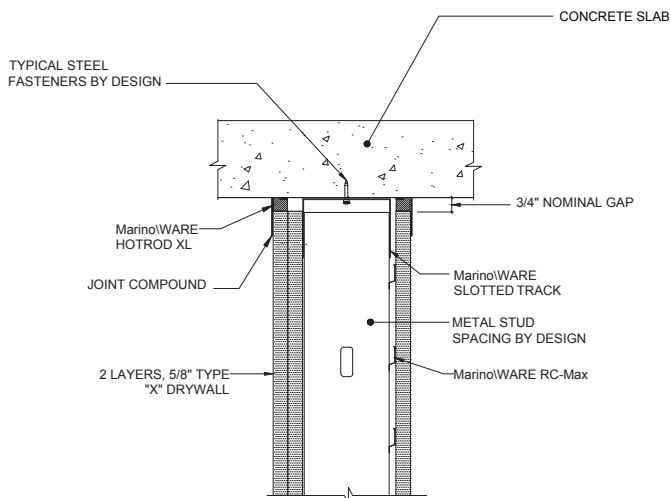
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0518 1 & 2HR PERPENDICUALR TO FLUTED DECK



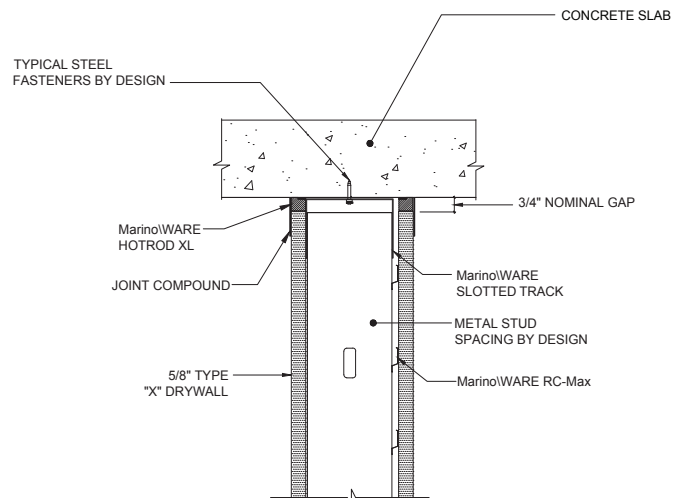
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0624 1HR STANDARD WALL, CONCRETE SLAB, STC RATING: 55



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0624 1HR STANDARD WALL, CONCRETE SLAB, STC RATING: 52



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

Always check UL Fire resistance directory for complete design requirements.
For more information, please contact MarinoWARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023



Product Description

MarinoWARE FIRE BEAD is a fire rated wall mount deflection bead that provides 1- and 2-hour fire-ratings for both dynamic and static joints according to **UL-2079 5th edition** (for both standard walls and shaft walls) and is sound tested according to ASTM E90. Sound Reports available upon request.

- **FIRE BEAD** provides BOTH 1- and 2-hour fire ratings.
 - The 1-hour profile has a 1/2" gasket with a 5/8" flexible horizontal return leg.
 - The 2-hour profile has a 1/2" gasket with a 1-1/4" flexible horizontal return leg.
 - Provides an L-rating less than 1 CFM/Lin Ft for ambient and 400 degrees F.
- **FIRE BEAD** is installed fully cured, is not affected by water or moisture and has no temperature restrictions for installation.
- **FIRE BEAD** has 2 separate compressible sealing points, one against the concrete deck and one against the framing member to prevent sound flanking.
- **FIRE BEAD** has a pink perforated mud leg to indicate to the installer and inspector that the vinyl accessory is fire rated.
- **FIRE BEAD** will stay flexible for the life of the assembly.

FIRE BEAD Installation: Install drywall no more than 5/8" down from concrete or adjoining structure. Install the FIRE BEAD with 847 Spray Adhesive and staple the mud leg with 1/2" staple every 6-8". Apply joint compound and prior to the final sanding remove the tear off strip for a clean and crisp finish. FIRE BEAD is designed to be attached to the drywall and compressed against the concrete deck or adjoining structure. The flexible gasket compresses with deflection movement to prevent cracking at the head of wall, bottom of wall or vertical wall to wall joints.

Finishing: Always use a high-quality paint.

Advantages: Composite vinyl/intumescent firestopping accessory that is fully cured. Comes in 10' lengths with a 5/16" tear off leg that acts as a guide to apply joint compound without masking off adjoining surfaces. Made from rust proof, dent resistant PVC to reduce jobsite and handling damage. Does not contain cellulose, a potential food source for mold, and provides an unlimited shelf life.

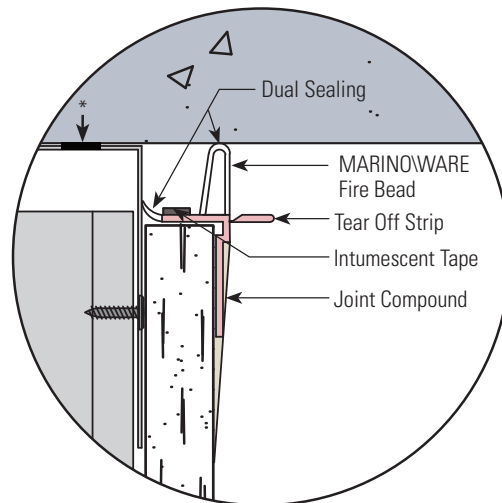
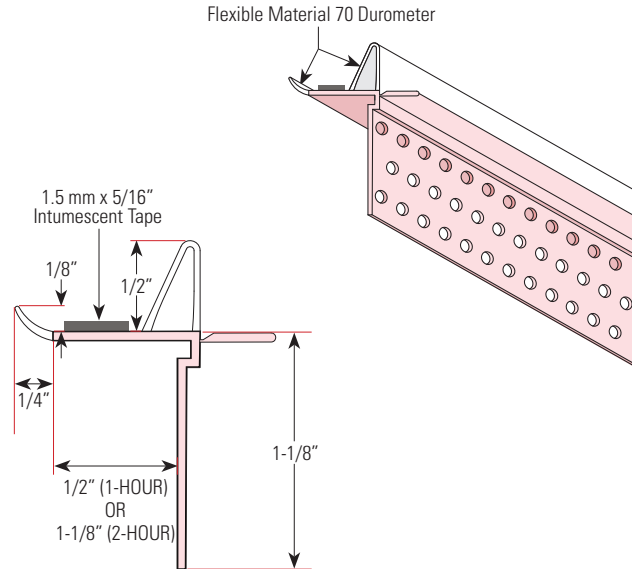
Packaging

- 10'-0" lengths; (1-HOUR PROFILE) 30 pieces per box (2-HOUR PROFILE) 22 pieces per box, 40 boxes per pallet.
- When properly stored indoors, and in original packaging FIRE BEAD will not break-down and has no expiration date.

ASTM & Code Standards

- ASTM E 1966: Standard Test Method of Fire Tests of Firestop Systems – **UL 2079 5th Edition** Tests for Fire Resistance of Building Joints.
- ASTM E-119 Standard Test Methods for Fire Tests of Building Construction and Material.
- UL ER25033-01
- Sound Tested in accordance with ASTM E90-09.
- Air leakage tests conducted for compliance with Section 713.6 of IBC and CBC.
- Intumescent Firestopping tested per ASTM E 84 UL723, Flame Spread 5, Smoke Index 5.
- UL listings/approvals – HW-D-0624; HW-D-0625; HW-D-0554; HW-D-0550; BW-S-0024; WW-D-0104.
- **U.S. Pat. 11,111,666**

**Optional bead of sealant can be applied to the web of the track prior to installation to seal off any potential gaps between the track and the concrete.*



← Scan or click the code to view the installation video!



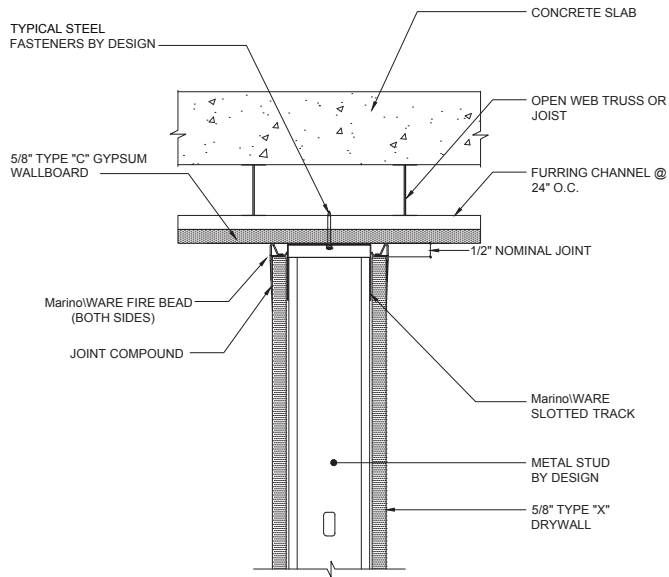
Scan or click → the code to view the installation guide!



For more information, please contact MarinoWARE® Technical Services at 866.545.1545

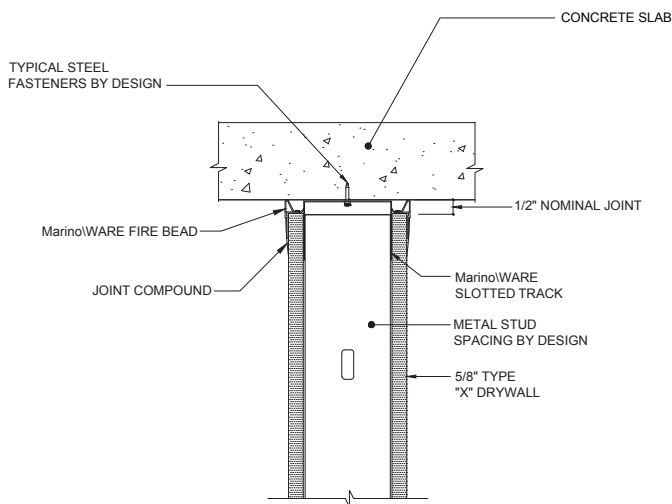
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

HW-D-0550 1HR STANDARD WALL, GYPSUM WALLBOARD CEILING



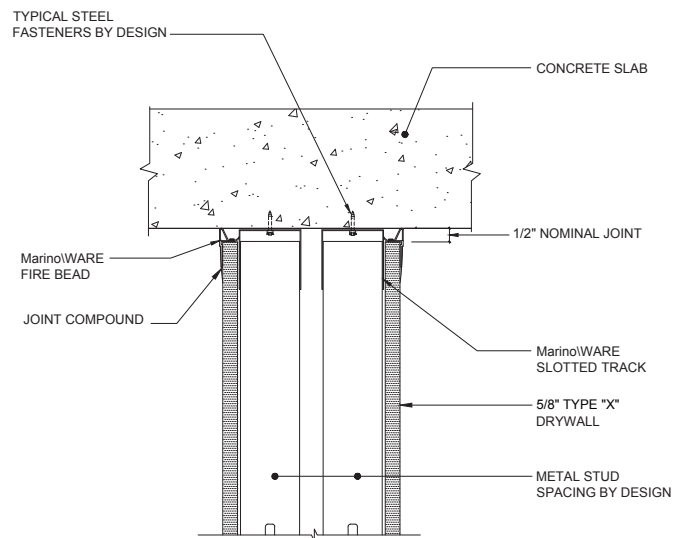
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0624 1HR STANDARD WALL, CONCRETE DECK



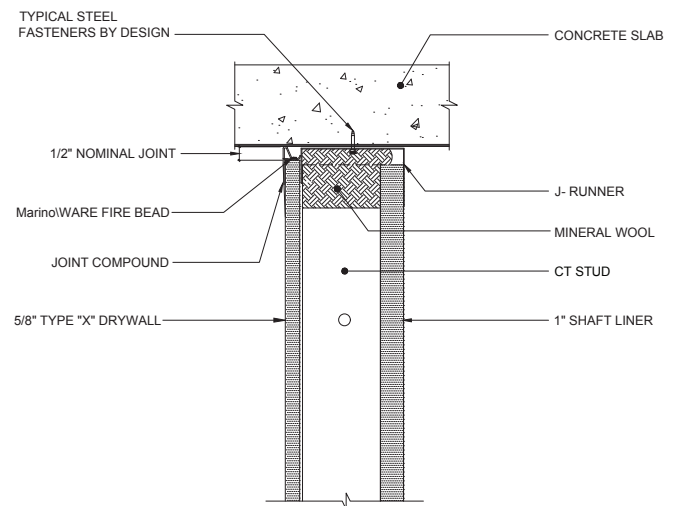
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0554 1HR STANDARD CHASE WALL, CONCRETE SLAB



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0625 1HR SHAFT WALL, CONCRETE SLAB



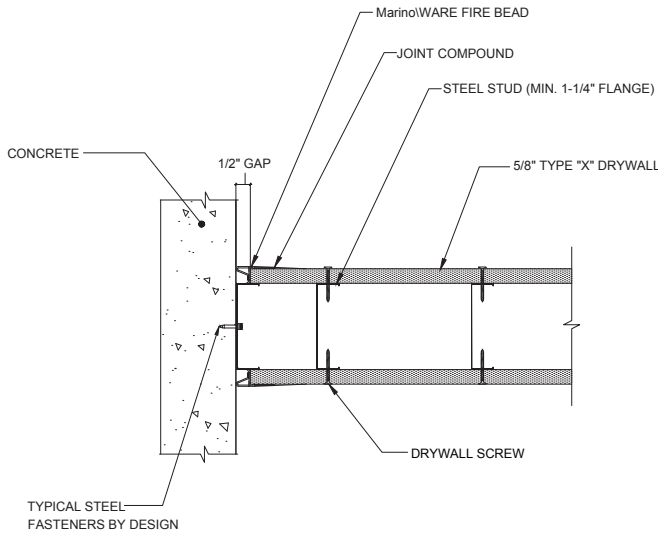
CONFIGURATION "A"

*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

Always check UL Fire resistance directory for complete design requirements.
For more information, please contact MarinoWARE® Technical Services at 866.545.1545

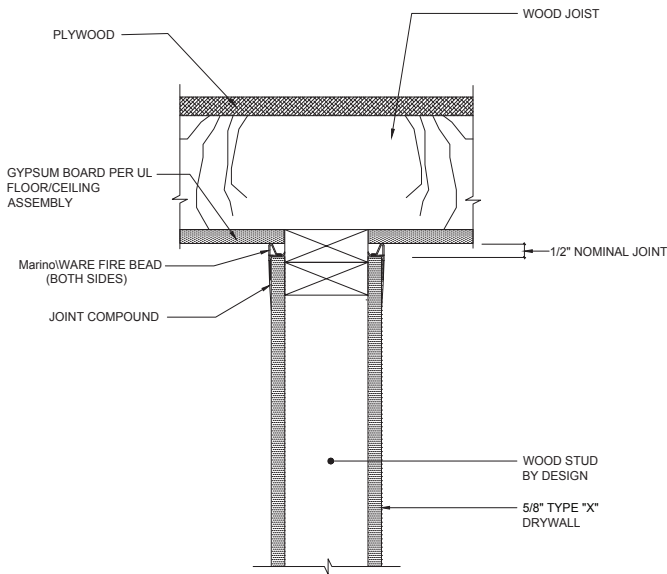
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

WW-D-0104 1HR VERTICAL TIE-IN TO CONCRETE SLAB

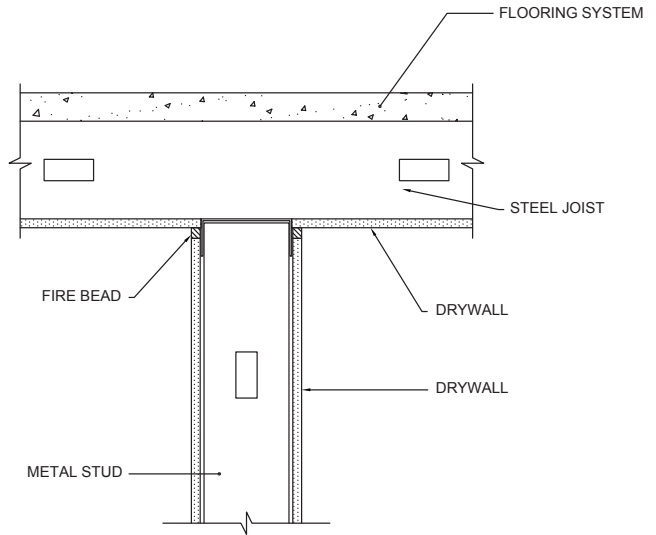


*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-S-0128 FIRE BEAD FOR WOOD FRAMING

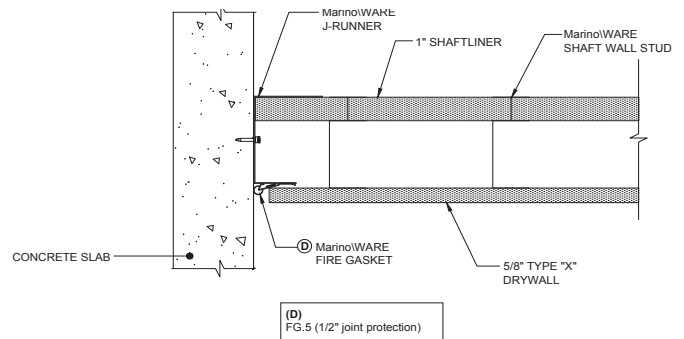


HW-S-0128 STEEL JOIST FLOORING



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

WW-S-0094 SHAFT WALL VERTICAL JOINT



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

Always check UL Fire resistance directory for complete design requirements.
For more information, please contact MarinoWARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

Product Description

MarinoWARE FIRE GASKET™ .5 is a fire rated composite vinyl intumescent accessory that provides fire-ratings for both dynamic and static joints with both concrete and fluted deck assemblies according to **UL-2079 5th edition**, provides **1 and 2 hour fire-ratings**, and an L-rating of less than 1 CFM provides up to 1/2" of unencumbered movement and is sound tested according to ASTM E90.

- **FIRE GASKET .5** may be used with CEMCO Spray-Less Flute Clip for walls perpendicular to flutes.
- **FIRE GASKET .5** takes the place of fire sealant at building joints and does not require any fire spray over compressed mineral wool when used perpendicular to fluted decks.
- **FIRE GASKET .5** is manufactured in a pink color vinyl that is easily identified by the inspector.
- **FIRE GASKET .5** is paintable, always use high-quality paint.
- **FIRE GASKET .5** features an intumescent strip along the inside leg of the profile where it is protected from any potential trade damages.
- **FIRE GASKET .5** installs on both sides of the wall and comes in 10' lengths.
- **FIRE GASKET .5** can be installed in the field or pre-installed to the track prior to installing track in place.
- **FIRE GASKET .5** is very durable and is not easily damaged, once installed it will not delaminate, it will not take in water, and it will not shrink or harden over time.
- **FIRE GASKET .5** provides premium STC ratings.
 - STC 51 on 3-5/8" 20 EQ studs unbalanced walls.
 - STC 55 on 3-5/8" 20 EQ studs balanced walls.
 - STC 67 on 2-1/2" double walls.

Installation Instructions

- Install Fire Gasket directly against the perimeter framing member (top track, perimeter stud, bottom track).
- Fire Gasket installs by removing the release paper on its lower leg and pressing firmly into the framing member. Fire Gasket can optionally be installed mechanically through its lower leg with 1/2" framing screws.
- Compress Fire Gasket's bubble gasket firmly against the concrete or fluted deck to prevent smoke, sound or light that would otherwise be able to pass over the top and/or bottom web of the track.
- Follow all other wall assembly requirements outlined in the UL joint system reports.

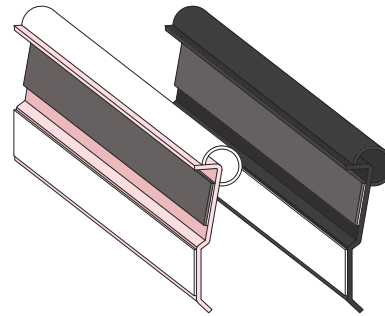
Packaging

- 10'-0" lengths; 20 pieces per box; 140 boxes per pallet.
- When properly stored indoors, and in original packaging FIRE GASKET will not breakdown and has no expiration date.



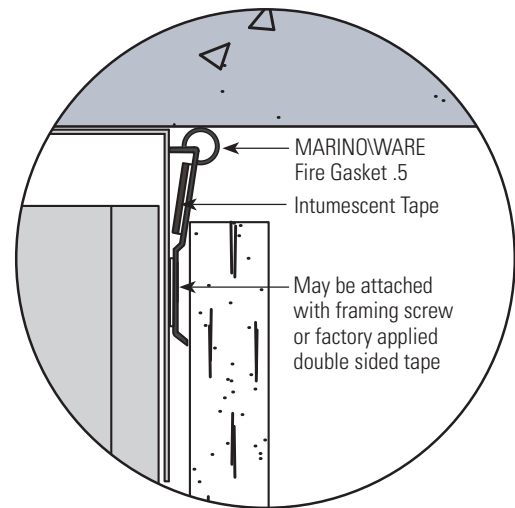
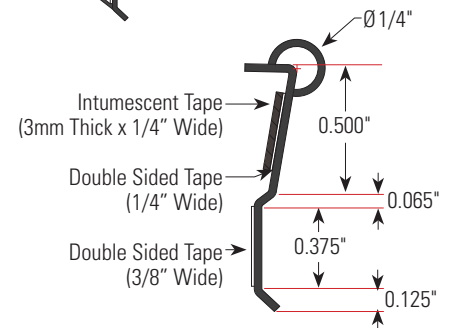
← Scan or click the code to view the installation video!

Scan or click → the code to view the installation guide!



NEW Now Available in Solid Black!

Available in both pink and black version



ASTM & Code Standards

- ASTM E 1966: Standard Test Method of Fire Tests of Firestop Systems – UL 2079 5th Edition Tests for Fire Resistance of Building Joints.
- ASTM E-119 Standard Test Methods for Fire Tests of Building Construction and Material.
- Sound Tested in accordance with ASTM E90-09.
- Air leakage tests conducted for compliance with Section 713.6 of IBC and CBC.
- Intumescent Firestopping tested per ASTM E 84 UL723, Flame Spread 5, Smoke Index 5.
- UL ER25033-01
- UL listings/approvals – HW-D-0515; HW-D-0514; HW-D-0524; HW-D-0551; HW-D-0550; HW-D-0554; HW-D-0620; HW-D-0652; HW-D-0518; HW-D-0553; HW-D-0573 ; HW-D-0623; WW-S-0057; BW-S-0024; WW-D-0104; HW-D-0625; HW-D-0596; WW-S-0094; HW-D-0525; HW-D-0587; HW-D-0622; HW-D-0553; HW-D-0585.
- **U.S. Patent No. 10,246,871; 10,689,842 B2; 10,753,084; 10,954,670**

For more information, please contact MarinoWARE® Technical Services at 866.545.1545

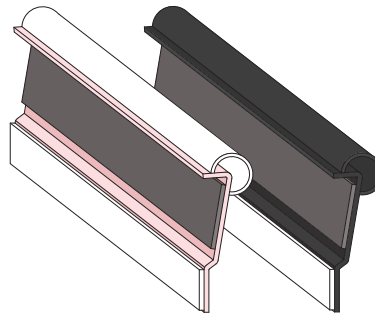
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023



Product Description

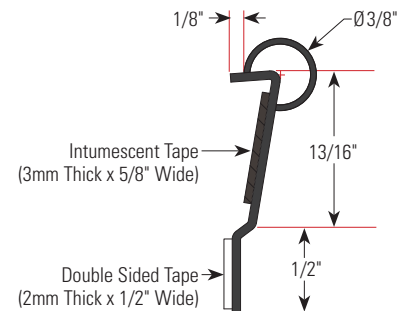
MarinoWARE FIRE GASKET™ 1 is a fire rated composite vinyl intumescent accessory that provides fire-ratings for both dynamic and static joints with both concrete and fluted deck assemblies according to **UL-2079 5th edition**, provides **1 and 2 hour fire-ratings**, and an L-rating of less than 1 CFM provides up to 1" of unencumbered movement and is sound tested according to ASTM E90.

- **FIRE GASKET 1** may be used with CEMCO Spray-Less Flute Clip for walls perpendicular to flutes.
- **FIRE GASKET 1** takes the place of fire sealant at building joints and does not require any fire spray over compressed mineral wool when used perpendicular to fluted decks.
- **FIRE GASKET 1** is manufactured is a pink color vinyl that is easily identified by the inspector.
- **FIRE GASKET 1** is paintable, always use high-quality paint.
- **FIRE GASKET 1** features an intumescent strip along the inside leg of the profile where it is protected from any potential trade damages.
- **FIRE GASKET 1** installs on both sides of the wall and comes in 10' lengths.
- **FIRE GASKET 1** can be installed in the field or pre-installed to the track prior to installing track in place.
- **FIRE GASKET 1** is very durable and is not easily damaged, once installed it will not delaminate, it will not take in water, and it will not shrink or harden over time.
- **FIRE GASKET 1** provides premium STC ratings.
 - STC 51 on 3-5/8" 20 EQ studs unbalanced walls.
 - STC 55 on 3-5/8" 20 EQ studs balanced walls.
 - STC 67 on 2-1/2" double walls.



NEW Now Available in Solid Black!

Available in both pink and black version



Installation Instructions

- Install Fire Gasket directly against the perimeter framing member (top track, perimeter stud, bottom track).
- Fire Gasket installs by removing the release paper on its lower leg and pressing firmly into the framing member. Fire Gasket can optionally be installed mechanically through its lower leg with 1/2" framing screws.
- Compress Fire Gasket's bubble gasket firmly against the concrete or fluted deck to prevent smoke, sound or light that would otherwise be able to pass over the top and/or bottom web of the track.
- Follow all other wall assembly requirements outlined in the UL joint system reports.

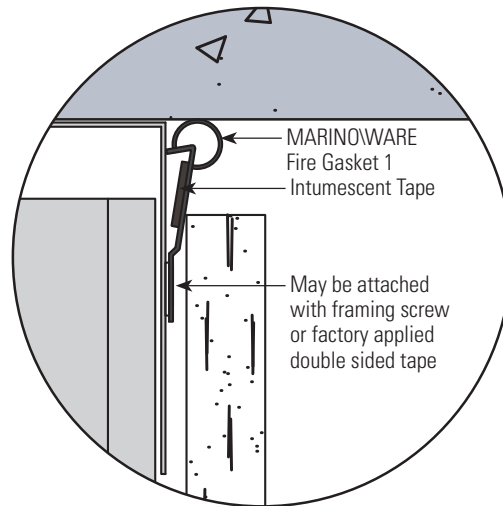
Packaging

- 10'-0" lengths; 20 pieces per box; 96 boxes per pallet.
- When properly stored indoors, and in original packaging FIRE GASKET will not breakdown and has no expiration date.



← Scan or click the code to view the installation video!

Scan or click → the code to view the installation guide!



ASTM & Code Standards

- ASTM E 1966: Standard Test Method of Fire Tests of Firestop Systems – UL 2079 5th Edition Tests for Fire Resistance of Building Joints.
- ASTM E-119 Standard Test Methods for Fire Tests of Building Construction and Material.
- Sound Tested in accordance with ASTM E90-09.
- Air leakage tests conducted for compliance with Section 713.6 of IBC and CBC.
- Intumescent Firestopping tested per ASTM E 84 UL723, Flame Spread 5, Smoke Index 5.
- UL ER25033
- UL listings/approvals – HW-D-0515; HW-D-0514; HW-D-0524; HW-D-0551; HW-D-0550; HW-D-0554; HW-D-0600; HW-D-0620; HW-D-0652; HW-D-0518; HW-D-0553; HW-D-0573; WW-D-0104.
- **U.S. Patent No. 10,246,871; 10,689,842 B2; 10,753,084; 10,954,670**

For more information, please contact MarinoWARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

Product Description

MarinoWARE FIRE GASKET™ 1.5 is a fire rated composite vinyl intumescent accessory that provides fire-ratings for both dynamic and static joints with both concrete and fluted deck assemblies according to **UL-2079 5th edition**, provides **1 and 2 hour fire-ratings**, and an L-rating of less than 1 CFM provides up to 1-1/2" of unencumbered movement and is sound tested according to ASTM E90.

- **FIRE GASKET 1.5** may be used with CEMCO Spray-Less Flute Clip for walls perpendicular to flutes.
- **FIRE GASKET 1.5** takes the place of fire sealant at building joints and does not require any fire spray over compressed mineral wool when used perpendicular to fluted decks.
- **FIRE GASKET 1.5** is manufactured is a pink color vinyl that is easily identified by the inspector.
- **FIRE GASKET 1.5** is paintable, always use high-quality paint.
- **FIRE GASKET 1.5** features an intumescent strip along the inside leg of the profile where it is protected from any potential trade damages.
- **FIRE GASKET 1.5** installs on both sides of the wall and comes in 10' lengths.
- **FIRE GASKET 1.5** can be installed in the field or pre-installed to the track prior to installing track in place.
- **FIRE GASKET 1.5** is very durable and is not easily damaged, once installed it will not delaminate, it will not take in water, and it will not shrink or harden over time.
- **FIRE GASKET 1.5** provides premium STC ratings.
 - STC 51 on 3-5/8" 20 EQ studs unbalanced walls.
 - STC 55 on 3-5/8" 20 EQ studs balanced walls.
 - STC 67 on 2-1/2" double walls.

Installation Instructions

- Install Fire Gasket directly against the perimeter framing member (top track, perimeter stud, bottom track).
- Fire Gasket installs by removing the release paper on its lower leg and pressing firmly into the framing member. Fire Gasket can optionally be installed mechanically through its lower leg with 1/2" framing screws.
- Compress Fire Gasket's bubble gasket firmly against the concrete or fluted deck to prevent smoke, sound or light that would otherwise be able to pass over the top and/or bottom web of the track.
- Follow all other wall assembly requirements outlined in the UL joint system reports.

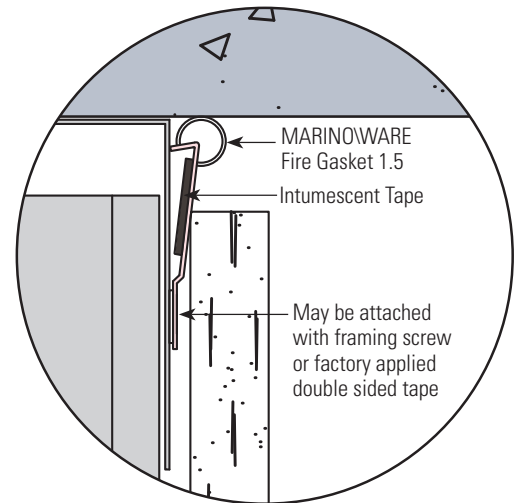
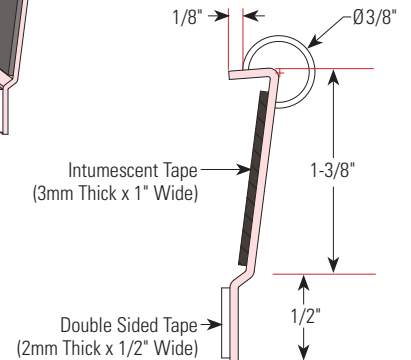
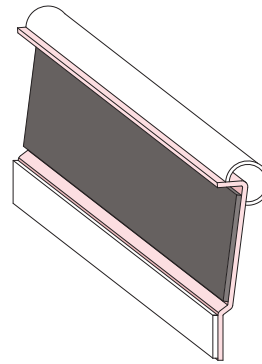
Packaging

- 10'-0" lengths; 20 pieces per box; 96 boxes per pallet.
- When properly stored indoors, and in original packaging FIRE GASKET will not breakdown and has no expiration date.



← Scan or click the code to view the installation video!

Scan or click → the code to view the installation guide!



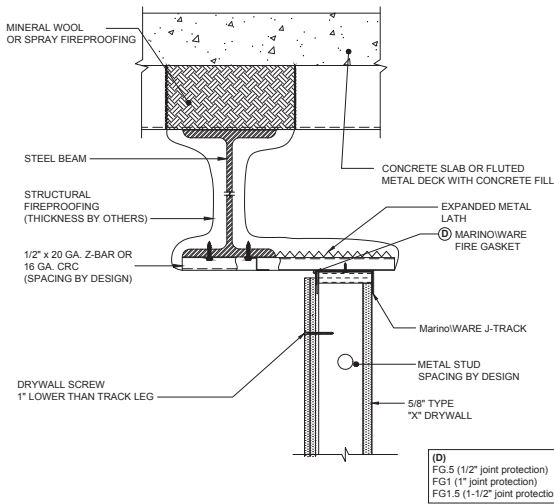
ASTM & Code Standards

- ASTM E 1966: Standard Test Method of Fire Tests of Firestop Systems – UL 2079 5th Edition Tests for Fire Resistance of Building Joints.
- ASTM E-119 Standard Test Methods for Fire Tests of Building Construction and Material.
- Sound Tested in accordance with ASTM E90-09.
- Air leakage tests conducted for compliance with Section 713.6 of IBC and CBC.
- Intumescent Firestopping tested per ASTM E 84 UL723, Flame Spread 5, Smoke Index 5.
- UL ER25033
- UL listings/approvals – HW-D-0515; HW-D-0514; HW-D-0524; HW-D-0551; HW-D-0550; HW-D-0554; HW-D-0600; HW-D-0620; HW-D-0652; HW-D-0518; HW-D-0553; HW-D-0573.
- **U.S. Patent No. 10,246,871; 10,689,842 B2; 10,753,084; 10,954,670**

For more information, please contact MarinoWARE® Technical Services at 866.545.1545

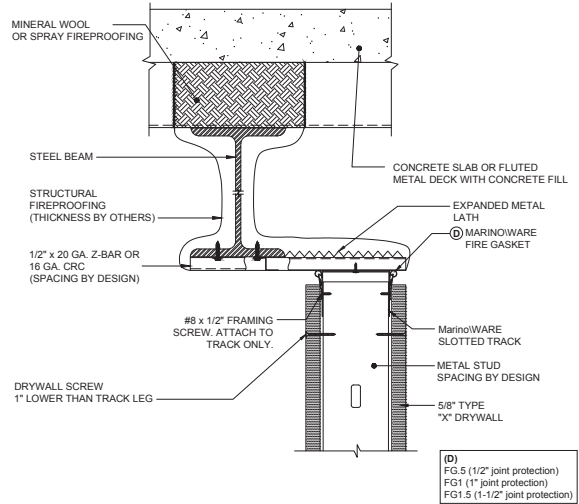
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

HW-D-0653 SHAFT WALL CANTILEVER UNDER BEAM



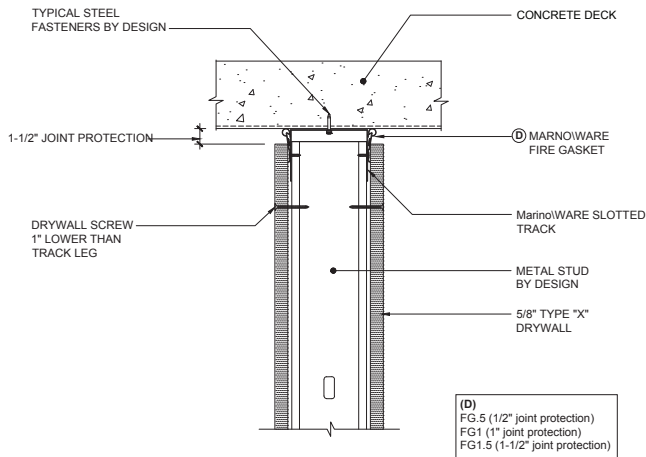
*NOTE: SINGLE LAYER OF 5/8\"/>

HW-D-0652 CANTILEVER UNDER STEEL I-BEAM



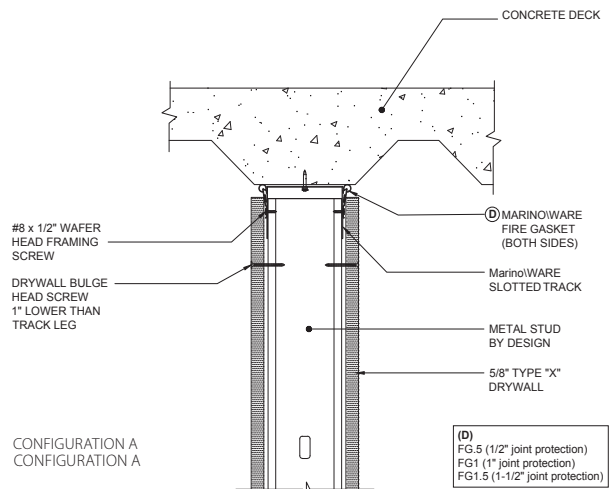
*NOTE: SINGLE LAYER OF 5/8\"/>

HW-D-0515 CONCRETE SLAB



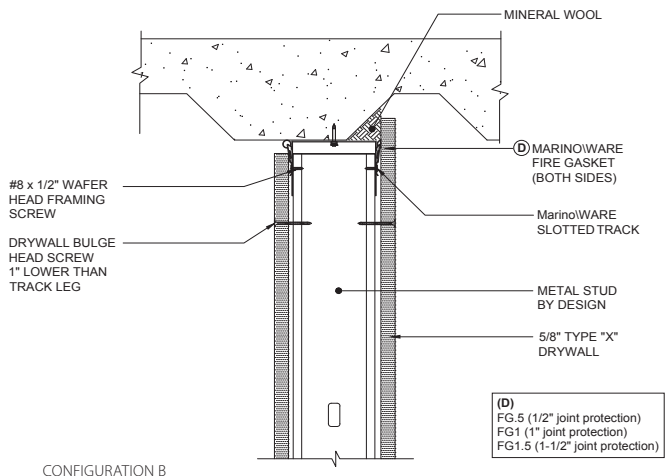
*NOTE: SINGLE LAYER OF 5/8\"/>

HW-D-0620 PARALLEL OFFSET UNDER PAN DECK

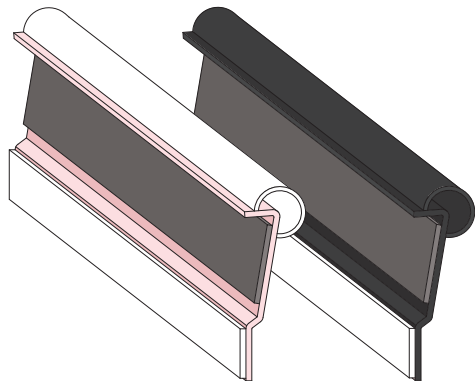


*NOTE: SINGLE LAYER OF 5/8\"/>

HW-D-0620 PARALLEL OFFSET UNDER PAN DECK



*NOTE: SINGLE LAYER OF 5/8\"/>



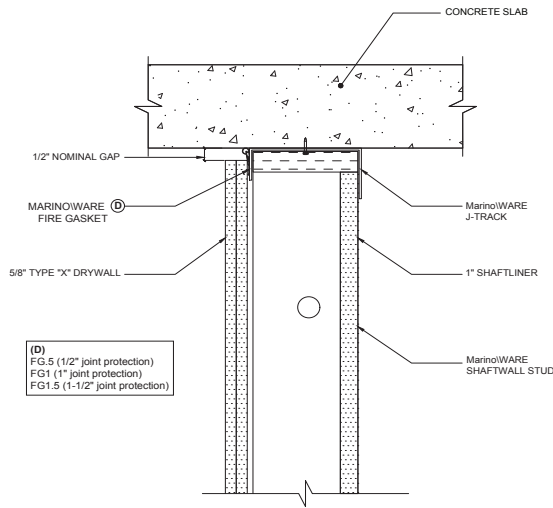
NEW FG.5 & FG1 Now Available in Solid Black!

Always check UL Fire resistance directory for complete design requirements.

For more information, please contact MarinoWARE® Technical Services at 866.545.1545

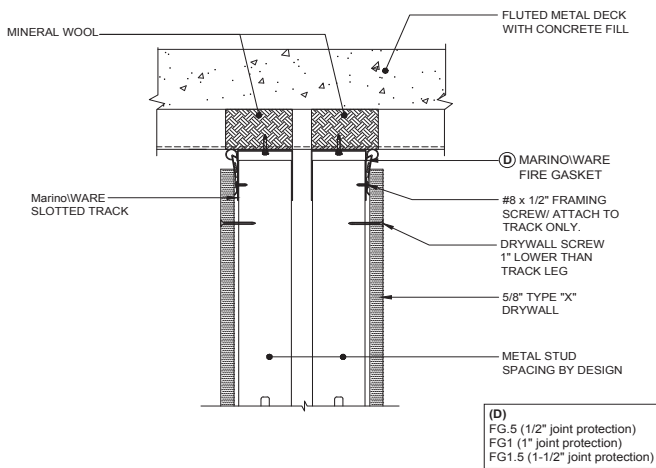
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

HW-D-0585 SHAFT-WALL AT CONCRETE



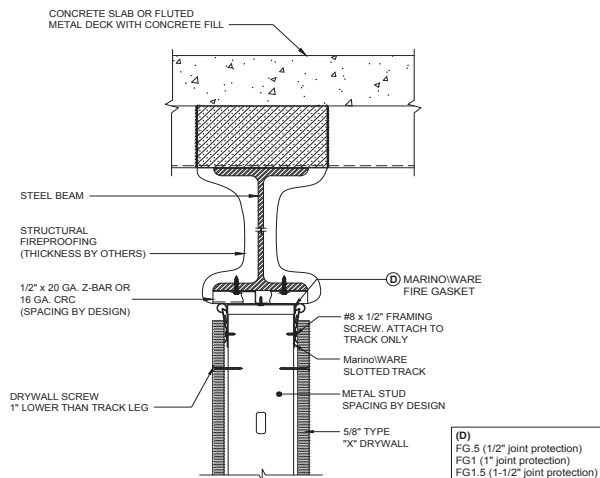
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0553 CHASE WALL AT PAN DECK



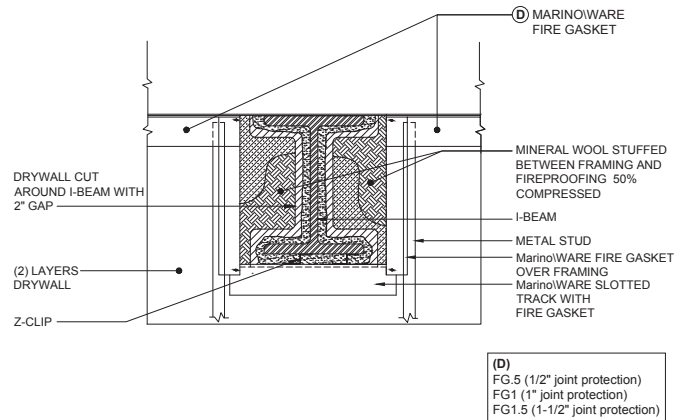
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0551 CENTERED DIRECTLY UNDER BEAM



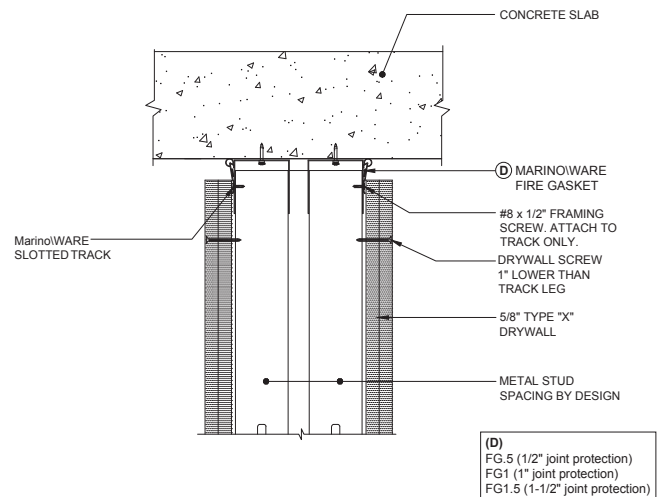
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0573 PERPENDICULAR I-BEAM PENETRATION



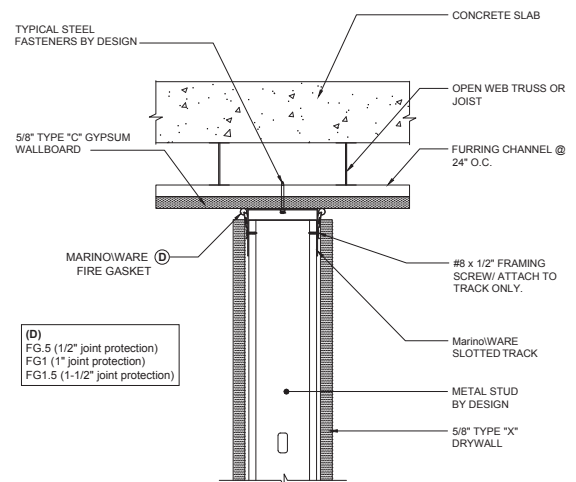
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0554 CHASE WALL AT CONCRETE SLAB



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0550 GYPSUM WALLBOARD CEILING



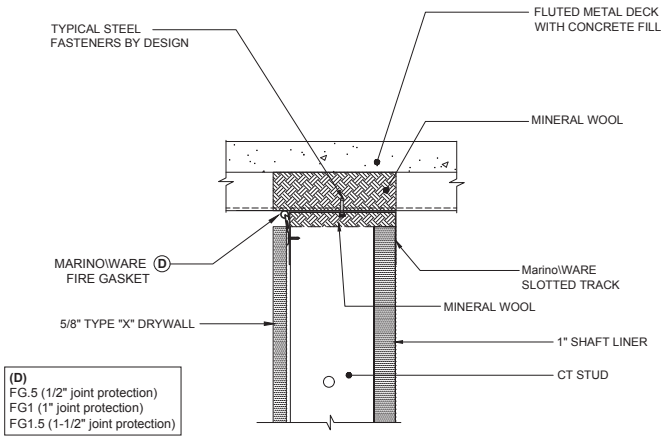
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

Always check UL Fire resistance directory for complete design requirements.

For more information, please contact MarinoWARE® Technical Services at 866.545.1545

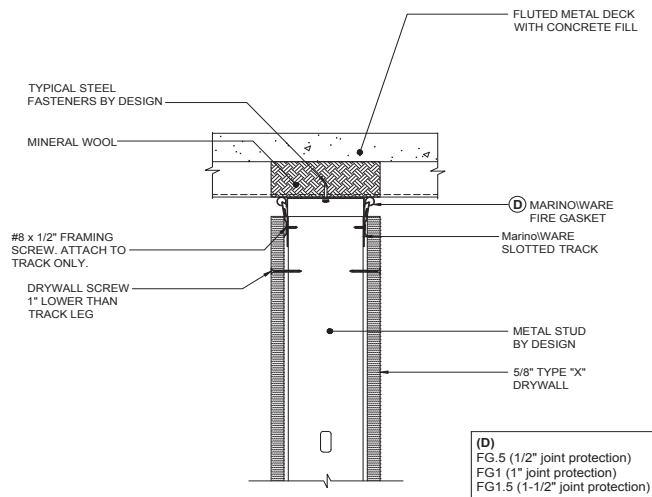
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

HW-D-0525 SHAFT-WALL FLUTED DECK



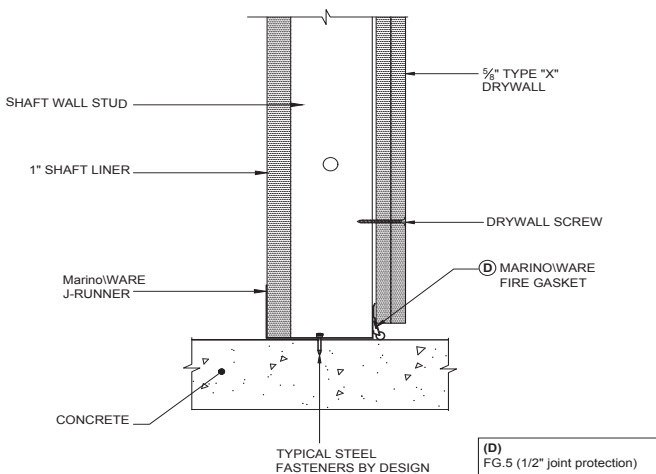
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0518 PERPENDICULAR TO FLUTED DECK



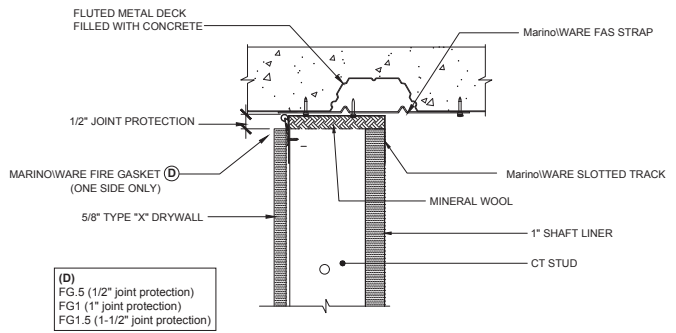
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

BW-S-0053 SHAFT WALL- BOTTOM OF WALL



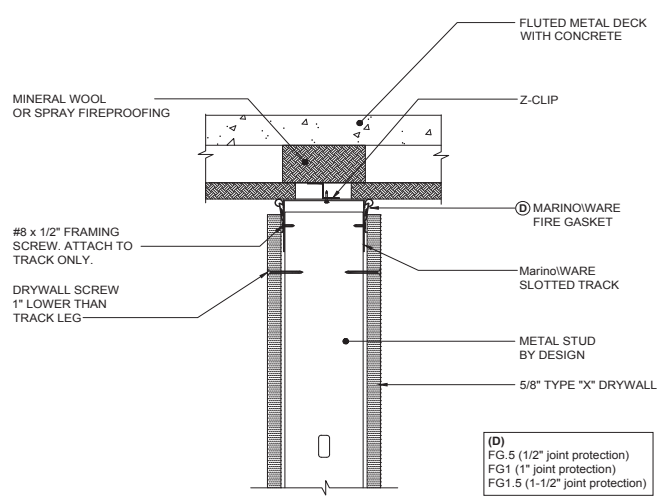
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0587 SHAFT WALL PARALLEL TO FLUTE (FAS STRAP)



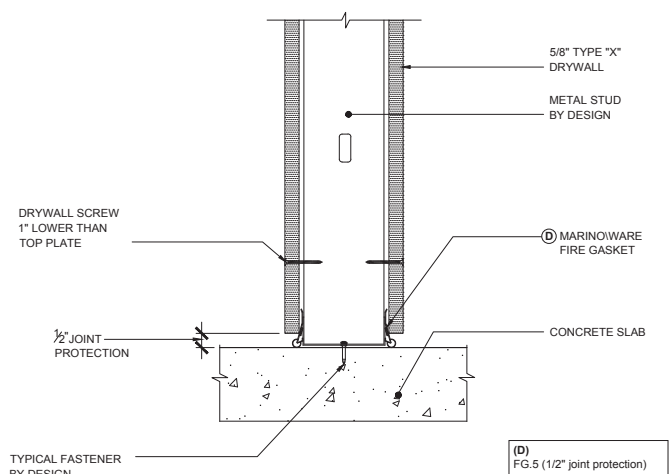
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0514 PERPENDICULAR FLUTED DECK WITH FIREPROOFING



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

BW-S-0024 BOTTOM TRACK STATIC JOINT



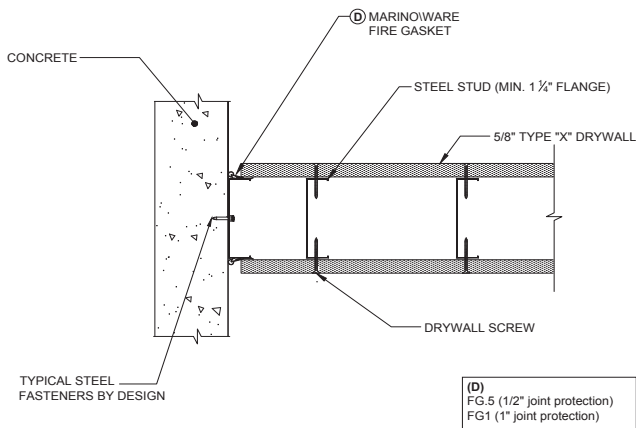
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

Always check UL Fire resistance directory for complete design requirements.

For more information, please contact MarinoWARE® Technical Services at 866.545.1545

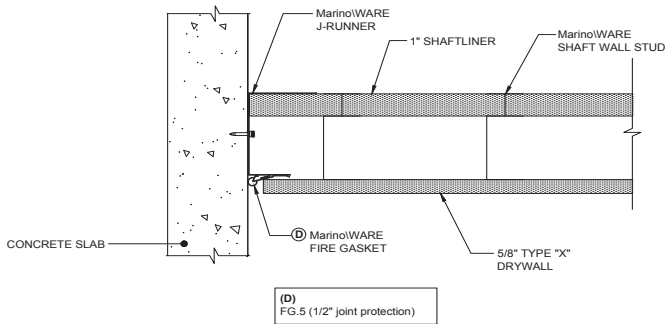
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

WW-D-0104 STANDARD WALL VERTICAL JOINT TO CONCRETE COLUMN



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

WW-S-0094 SHAFT WALL VERTICAL JOINT



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

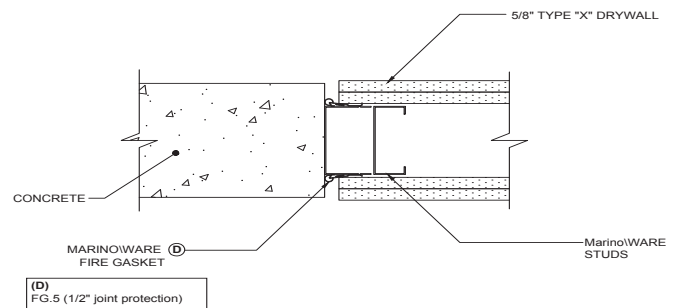


← Scan or click the code to view the installation video!

Scan or click → the code to view the installation guide!

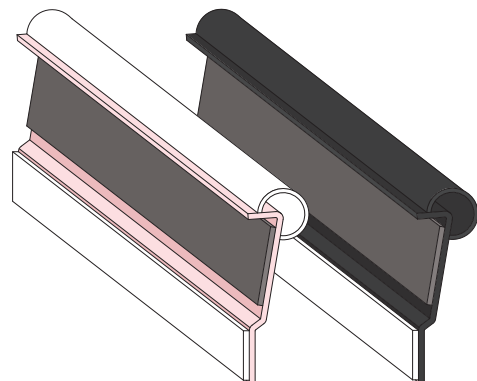


WW-S-0057 STANDARD WALL VERTICAL WALL TIE-IN TO CONCRETE COLUMN

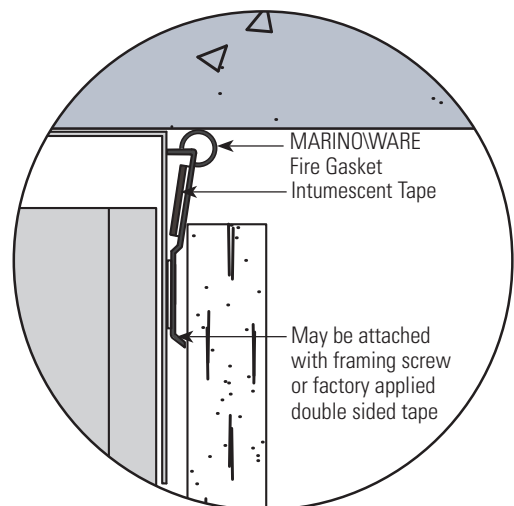


(D) FG.5 (1/2" joint protection)

*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR



NEW FG.5 & FG1 Now Available in Solid Black!



Always check UL Fire resistance directory for complete design requirements.

For more information, please contact MarinoWARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

Product Description

MarinoWARE HOTROD Type-X is a compressible intumescent firestopping that provides 1 and 2 hour fire-ratings for both dynamic and static joints according to UL-2079 5th edition on both concrete and fluted decks without spray over mineral wool (for both standard walls and shaft walls) and is sound tested according to ASTM E90, tested up to a STC 68.

- **HOTROD** has a rectangular profile and is easily compressed into the deflection gap between the edge of the drywall and adjoining structure.
- **HOTROD** is red in color and is easily identified by the inspector.
- **HOTROD** may be used with CEMCO Spray-less Flute Clips in a perpendicular to flute wall assembly.
- **HOTROD** is non-wicking as it does not wick water, and is non-hygroscopic. HOTROD will not absorb water readily under field conditions.
- **HOTROD** takes the place of BOTH fire and sound sealant and will not shrink, pull away, or harden over time.
- **HOTROD** can be installed by itself or can be covered with tape and joint compound for exposed walls.
- **HOTROD** provides BOTH 1 and 2 hour fire ratings with both 1/2" x 1" and 1" x 1" profiles.
- **HOTROD** provides an L-rating Less Than 1 CFM/Lin Ft for ambient and 400 degrees F.

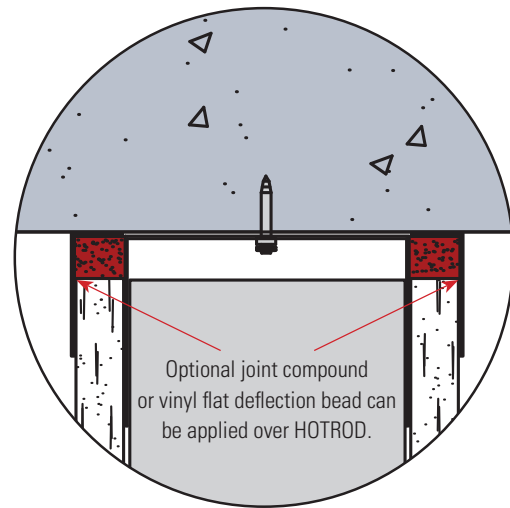
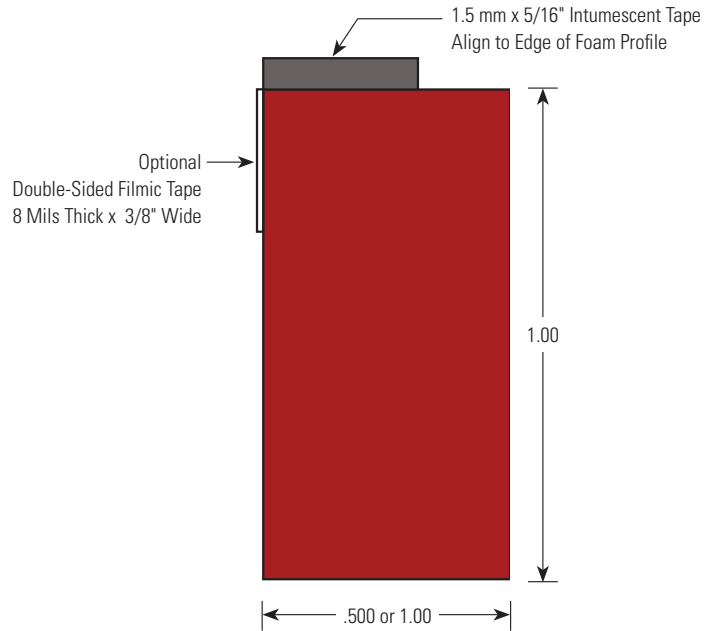
Once installed per the appropriate UL report and manufacturers guidelines the HOTROD's intumescent material will not breakdown, and will provide consistent fire protection for the sustainable life of the assembly.

Packaging

- 4'-0" lengths; 1/2" x 1" 20 pieces per box; 1" x 1" 10 pieces per box, 30 boxes per pallet.
- When properly stored indoors, and in original packaging HOTROD will not breakdown and has no expiration date.

ASTM & Code Standards

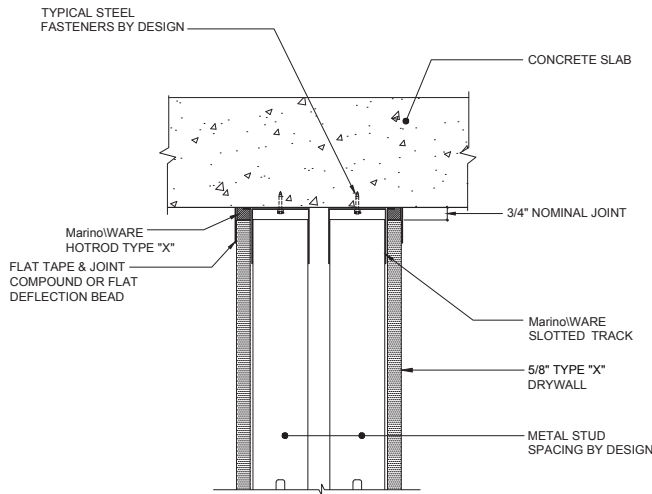
- ASTM E 1966: Standard Test Method of Fire Tests of Firestop Systems – **UL 2079 5th Edition** Tests For Fire Resistance of Building Joints.
- ASTM E-119 Standard Test Methods for Fire Tests of Building Construction and Material – Sound Tested in accordance with ASTM E90-09 – Air leakage tests conducted for compliance with Section 713.6 of IBC and CBC.
- UL ER25033-01
- Intumescent Firestopping tested per ASTM E 84 UL723, Flame Spread 5, Smoke Index 5.
- UL listings/approvals – HW-D-0624; HW-D-0625; HW-D-0554; HW-D-0550; BW-S-0024; WW-D-0104; WW-S-0057; HW-D-0514; HW-D-0518; HW-D-0524; HW-D-0652; HW-D-0620; HW-D-0573; HW-D-0525; HW-D-0553; HW-D-0621; WW-S-0094; HW-D-0596; HW-D-0554; HW-D-0551.
- IBC: 2012, 2015, 2018, 2021
- CBC: 2013, 2016, 2019
- AISI: S100, S220
- **U.S. Patent No. 9,683,364; 10,184,246; and 11,060,283**



← Scan or click the code to view the installation video!

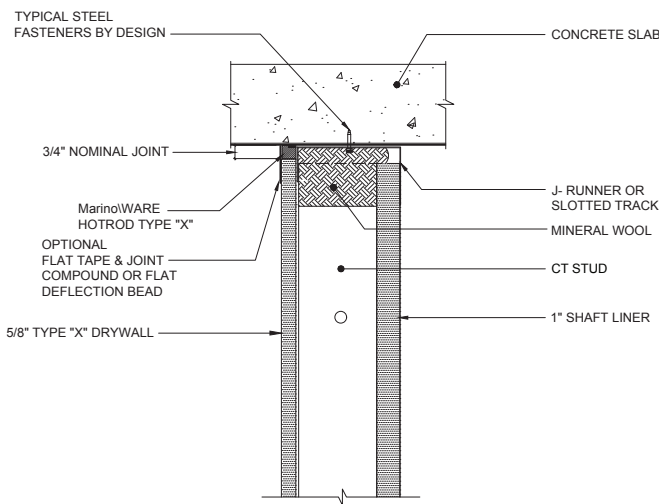


HW-D-0554 1 & 2HR STANDARD CHASE WALL, CONCRETE SLAB



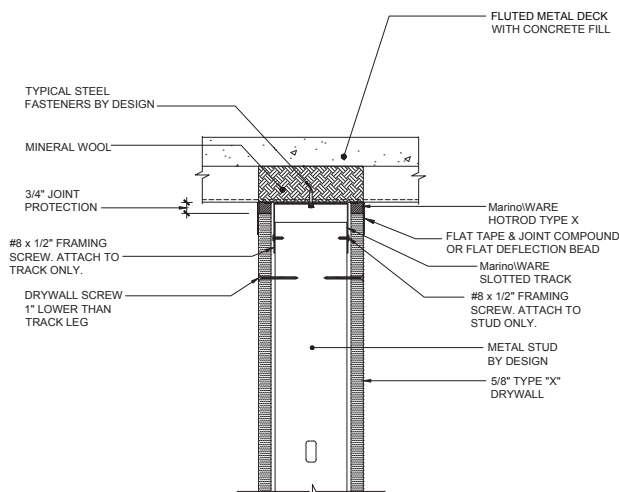
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0625 1 & 2HR SHAFT WALL, CONCRETE SLAB



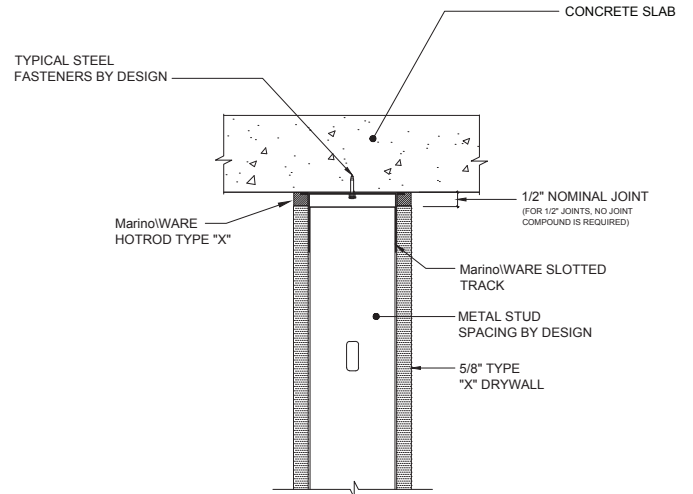
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0518 1 & 2HR STANDARD WALL, PERPENDICULAR TO FLUTED DECK



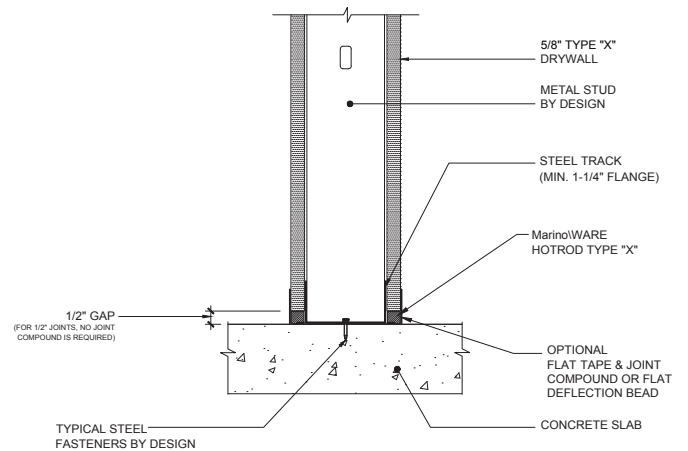
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0624 1 & 2HR STANDARD WALL, CONCRETE SLAB



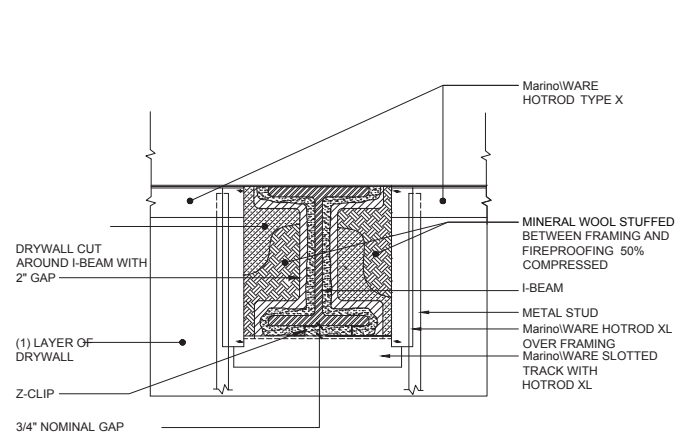
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

BW-S-0024 1 & 2HR BOTTOM WALL STATIC JOINT



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0573 1 & 2HR STANDARD WALL, @ FLUTED DECK BEAM PENETRATION



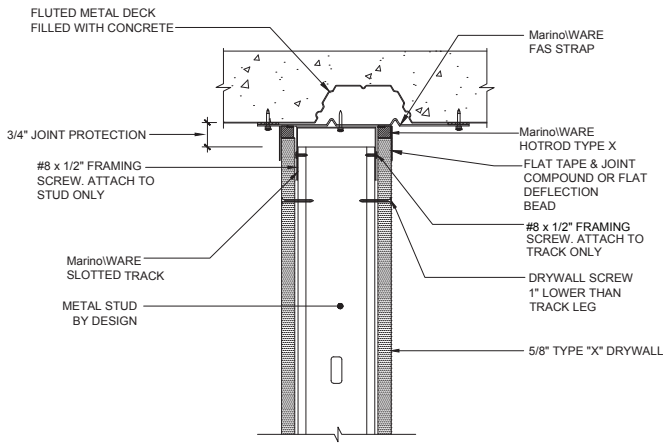
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

Always check UL Fire resistance directory for complete design requirements.

For more information, please contact MarinoWARE® Technical Services at 866.545.1545

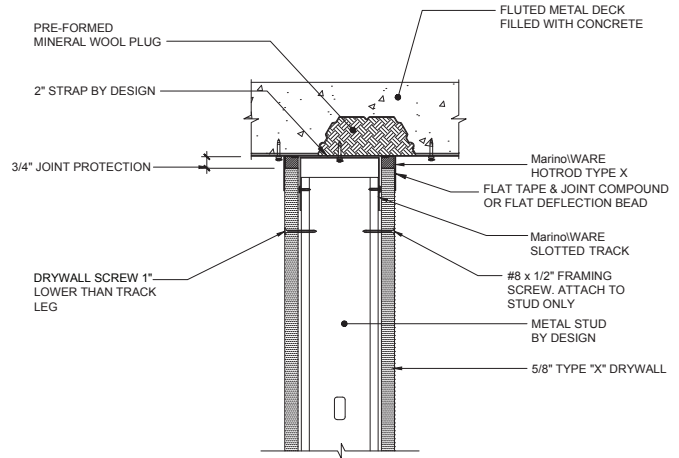
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

HW-D-0524 1 & 2HR OFFSET & PARALLEL UNDER FLUTED DECK



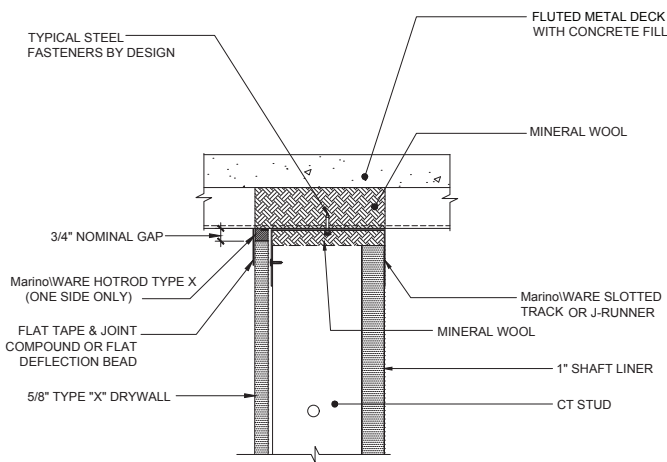
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0524 1 & 2HR OFFSET & PARALLEL UNDER FLUTED DECK



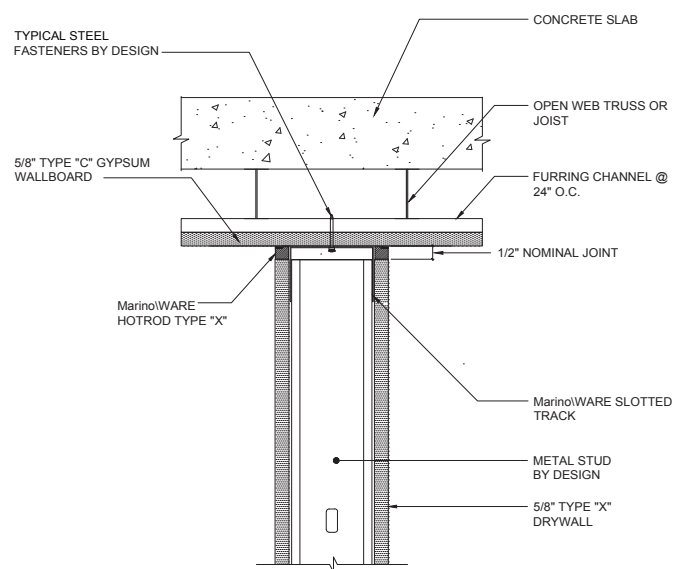
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0525 1 & 2HR SHAFT WALL, PERPENDICULAR TO FLUTED DECK



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0550 STANDARD WALL, GYPSUM WALLBOARD CEILING



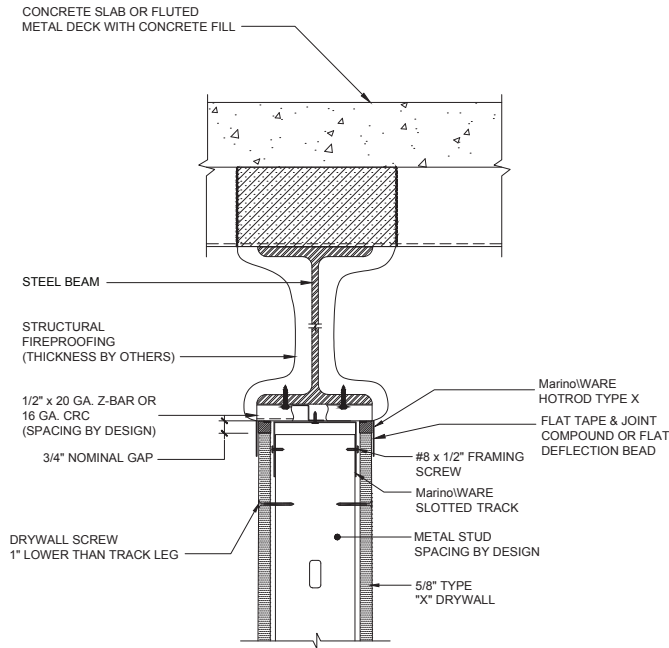
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

NOTE: 1/2" joints do not require joint compound over HotRod

Always check UL Fire resistance directory for complete design requirements.
For more information, please contact MarinoWARE® Technical Services at 866.545.1545

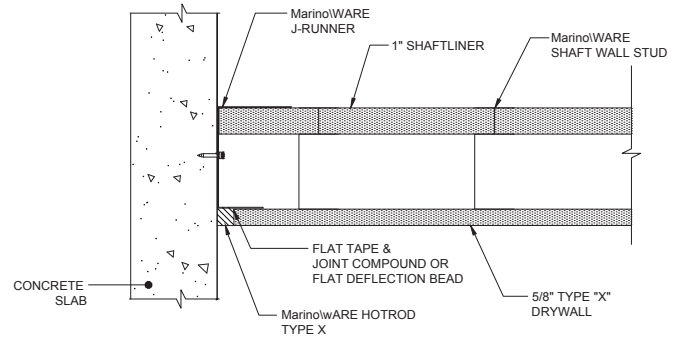
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

HW-D-0551 1 & 2HR PARALLEL & CENTERED DIRECTLY UNDER BEAM



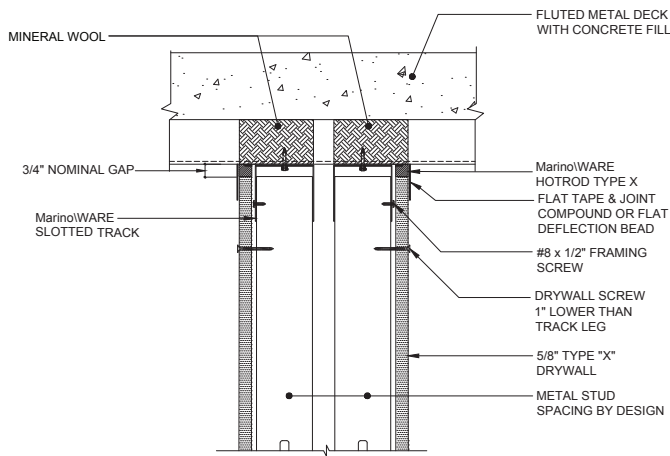
*NOTE: SINGLE LAYER OF 5/8\"/>

WW-S-0094 SHAFT WALL VERTICAL JOINT



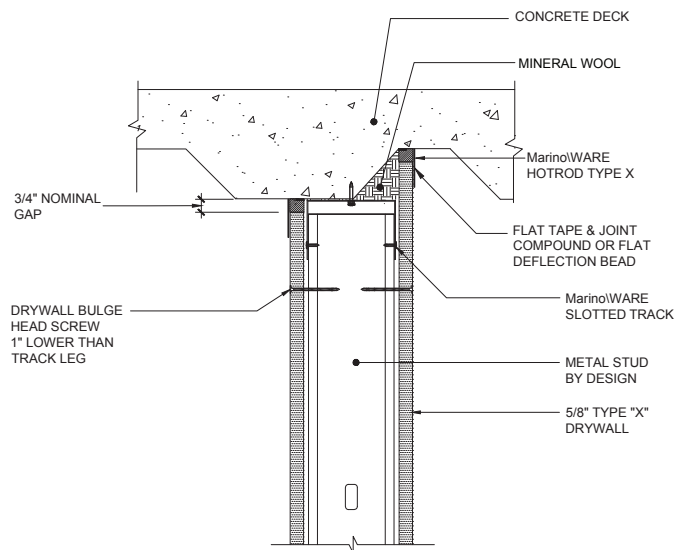
*NOTE: SINGLE LAYER OF 5/8\"/>

HW-D-0553 1 & 2HR CHASE WALL, PERPENDICULAR TO FLUTED DECK



*NOTE: SINGLE LAYER OF 5/8\"/>

HW-D-0620, 1 & 2HR PARALLEL & OFFSET UNDER FLUTED DECK



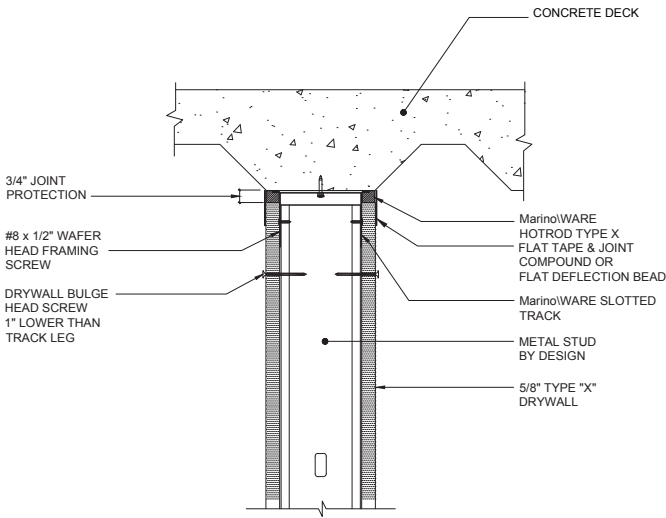
*NOTE: SINGLE LAYER OF 5/8\"/>

NOTE: 1/2\"/>

Always check UL Fire resistance directory for complete design requirements.
For more information, please contact MarinoWARE® Technical Services at 866.545.1545

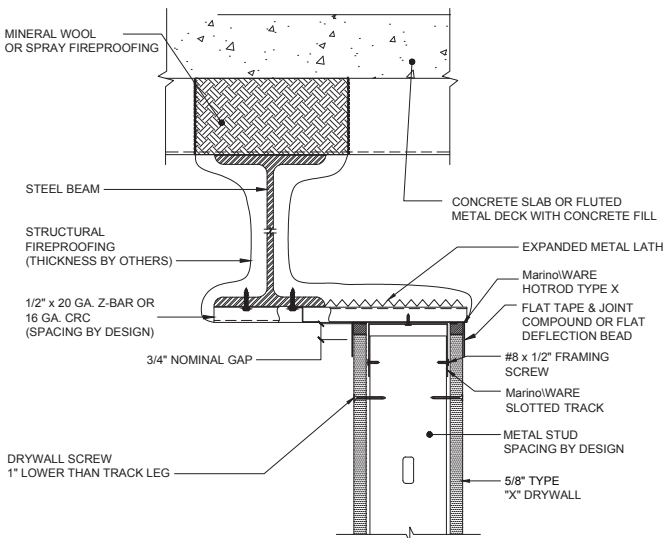
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

HW-D-0620, 1 & 2HR PARALLEL & DIRECTLY UNDER FLUTED DECK



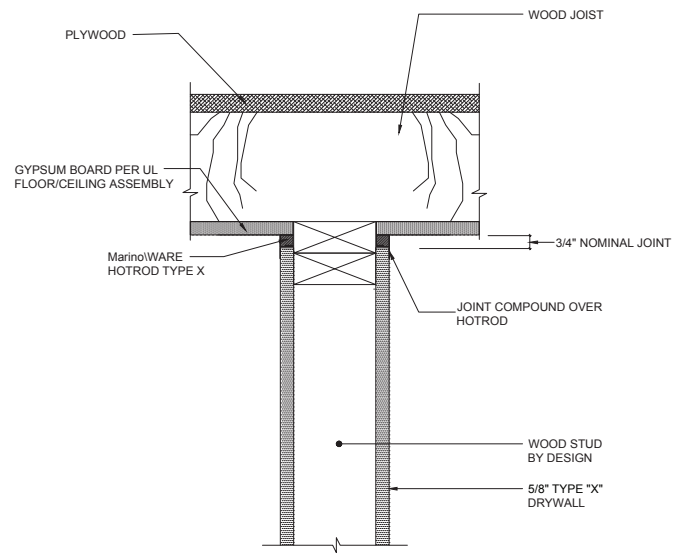
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0652 1 & 2HR PARALLEL & CANTILEVERED UNDER BEAM



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-S-0128 1 & 2HR HEAD OF WALL JOINT AT WOOD FRAMING



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

NOTE: 1/2" joints do not require joint compound over HotRod

Always check UL Fire resistance directory for complete design requirements.
For more information, please contact MarinoWARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

Product Description

CEMCO FLUTE SHIELD is a galvanized steel clip that is designed to conceal and compress mineral wool within the parallel legs of the clip profile. The CEMCO Flute Shield is sold independently of the mineral wool so that the installer can use any UL certified 4 PSF minimum mineral wool or mineral wool plug compressed to 33% within the perpendicular flute void. The Flute Shield is friction fit over the web and leg of the installed header track on both sides of the wall and no additional fire spray is required over the clip.

- **FLUTE SHIELD** is made for all flute size openings.
- **FLUTE SHIELD** is UL tested and certified to UL-2079 5th Edition.
- **FLUTE SHIELD** provides an L-Rating of less than 1 CFM.
- **FLUTE SHIELD** is tested for air leakage for compliance with Section 713.6 of IBC and CBC.
- **FLUTE SHIELD** provides 1- and 2-hour fire rates with the same clip profile.
- **FLUTE SHIELD** is specifically manufactured and marked to be easily recognizable by inspectors.
- **FLUTE SHIELD** has zero fatigue and will not breakdown for the life of the assembly.
- **FLUTE SHIELD** installs fully cured and has no installation temperature or humidity restrictions.

ASTM & Code Standards

- ASTM A1003, A653, A924
- IBC: 2012, 2015, 2018, 2021
- CBC: 2013, 2016, 2019
- AISI: 2012
- ASTM E 1966: Standard Test Method of Fire Tests of Firestop Systems – UL 2079 5th Edition Tests for Fire Resistance of Building Joints.
- ASTM E-119 Standard Test Methods for Fire Tests of Building Construction and Material.
- Air leakage tests conducted for compliance with Section 713.6 of IBC and CBC.
- UL listings/approvals – HW-D-0525; HW-D-0518; HW-D-0553.
- **U.S. Patent No. 11,162,259**

LEED v3 for Building and Design Construction

- MR Credit 2: Construction Waste Management.
- MR Credit 4: Recycled Content.

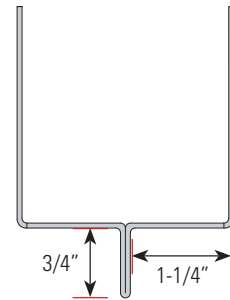
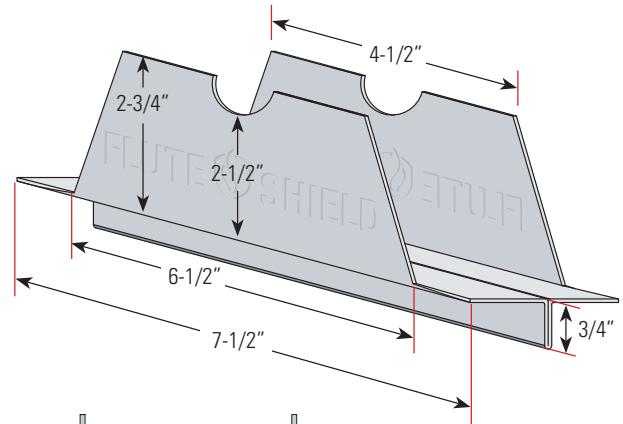
LEED v4 for Building and Design Construction

- MR Prerequisite: Construction and Demolition Waste Management Planning.
- MR Credit: Construction and Demolition Waste Management.
- MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials, Option 2.
- MR Credit: Building Product Disclosure and Optimization – Environmental Product Declarations, Options 1 & 2.
- MR Credit: Building Product Disclosure and Optimization – Material Ingredients, Option 1.
- MR Credit: Building Life-Cycle Impact Reduction, Option 4.

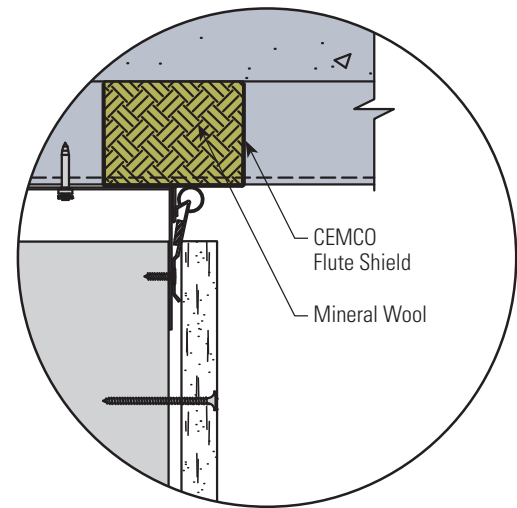
MarinoWARE cold-formed steel framing products contain 30% to 37% recycled steel

- Total Recycled Content: 36.9%
- Post-Consumer: 19.8%
- Pre-Consumer: 14.4%

FLUTE SHIELD
SPRAYLESS FLUTE CLIP



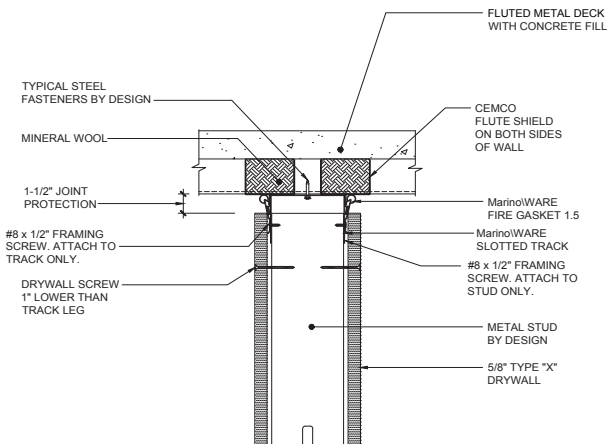
N.T.S.
.030 MIL THICKNESS



← Scan or click the code to view the installation video!

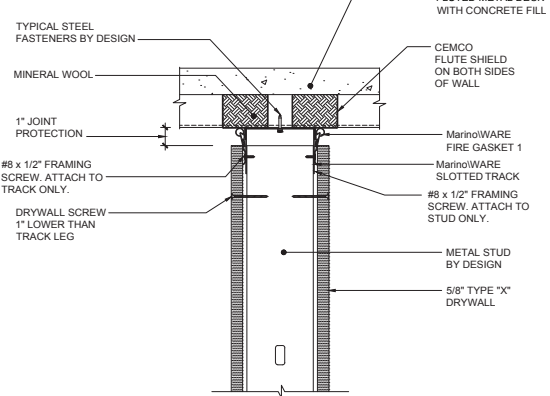


HW-D-0518 1 & 2HR STANDARD WALL, PERPENDICULAR TO FLUTED DECK



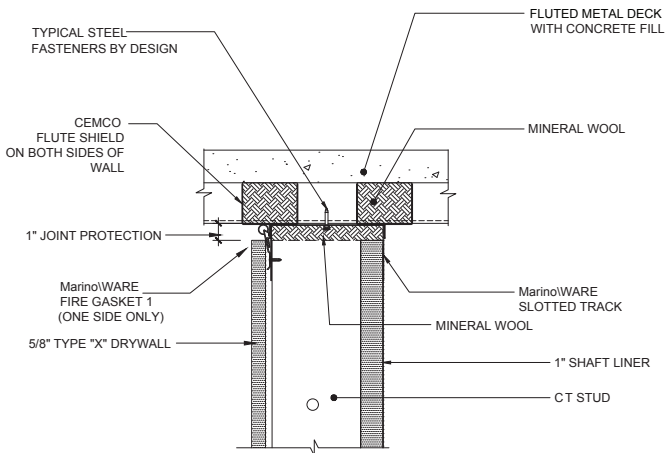
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0518 1 & 2HR STANDARD WALL, PERPENDICULAR TO FLUTED DECK



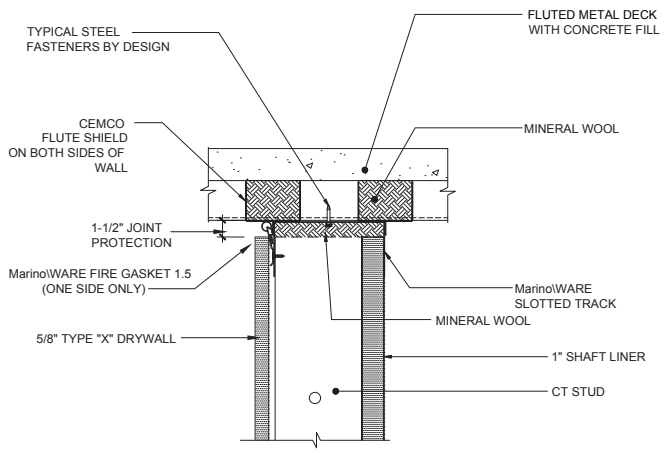
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0525 1 & 2HR SHAFT WALL, PERPENDICULAR TO FLUTED DECK



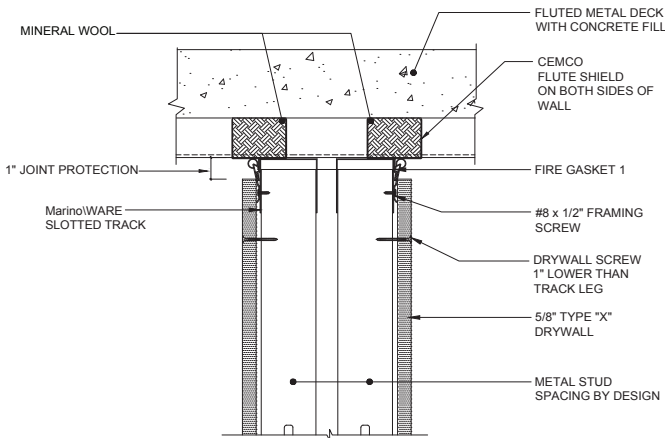
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0525 1 & 2HR SHAFT WALL, PERPENDICULAR TO FLUTED DECK



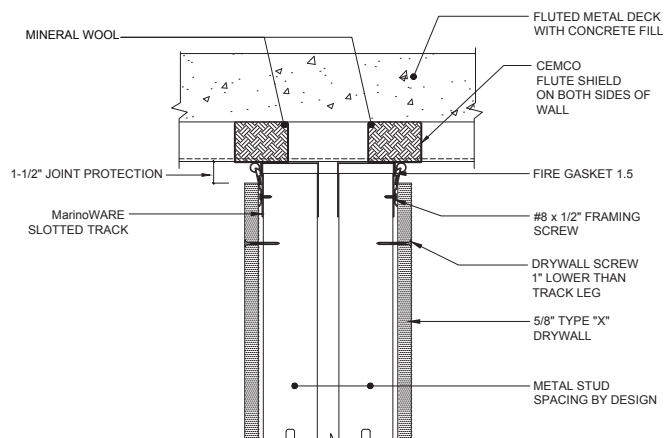
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0553 1 & 2HR CHASE WALL, PERPENDICULAR TO FLUTED DECK



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0553 1 & 2HR CHASE WALL, PERPENDICULAR TO FLUTED DECK



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

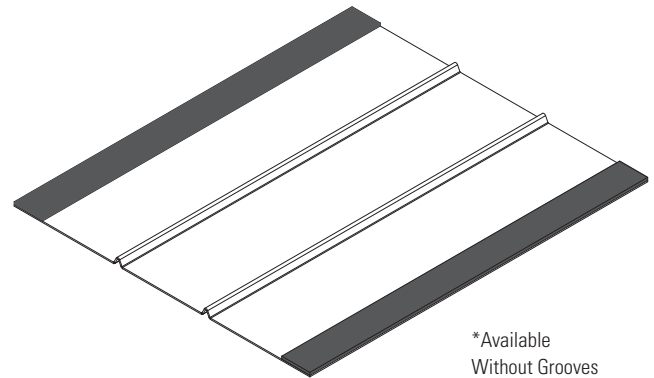
Always check UL Fire resistance directory for complete design requirements.
For more information, please contact MarinoWARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

Description

MarinoWARE FAS Strap is a flat strap with 2 strips of 1/2" to 1-1/4" intumescent. FAS Strap is installed continuous and parallel with the flutes and provides firestopping within the flute void while eliminating mineral wool and providing continuous backing for wall framing. This strap is fabricated from hot-dipped galvanized steel complying with ASTM A653, and ASTM A1003 Grade 33 Type H for 33 ksi yield strength steel for 20 gauge (33 mils) with a minimum G40 coating complying with ASTM A924, with a minimum G60 coating complying with ASTM A924; and Grade 50 Type H for 50 ksi yield strength steel for 16 gauge (54 mils) with a minimum G60 coating complying with ASTM A924. The FAS STRAP is listed under Underwriters Laboratories for one and two hour head of wall fire rated wall assemblies.

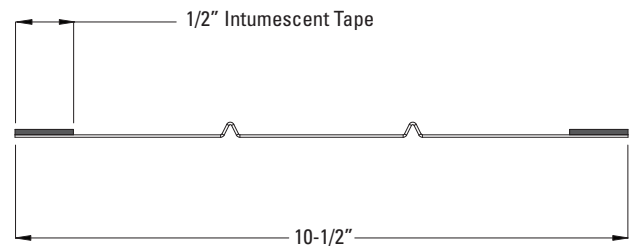
Member Width (in.)	Length (ft.)	Steel Thickness mil (gauge)
10-1/2	10	33, 54 (20, 16)



*Available Without Grooves

ASTM's & Code Standards

- ASTM A653, C645, A1003, A924
- ASTM E 1966: Standard Test Method of Fire Tests of Firestop Systems
- UL 2079 Tests For Fire Resistance of Building Joints
- ASTM E-119 Standard Test Methods for Fire Tests of Building Construction and Material
- UL ER25033-01
- Air leakage tests conducted for compliance with Section 713.6 of ICC-ES 2012
- IBC: 2012, 2015, 2018, 2021
- CBC: 2013, 2016, 2019
- AISI: S100, S220
- UL Approvals: HW-D-0524 and HW-D-0587
- U.S. Patent No. 10,214,901



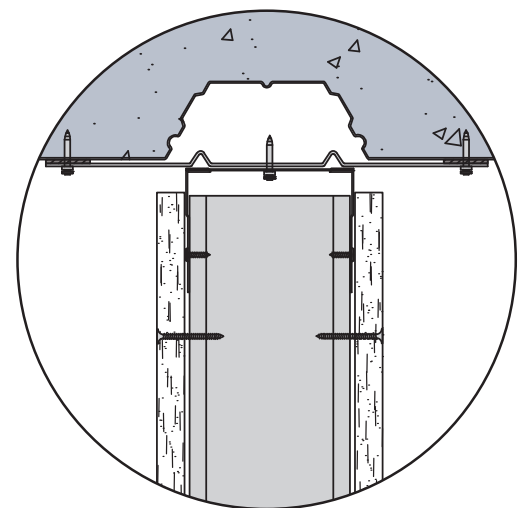
*Available in Custom Width Sizes

LEED v4 for Building and Design Construction

- MR Prerequisite: Construction and Demolition Waste Management Planning.
- MR Credit: Construction and Demolition Waste Management.
- MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials, Option 2.
- MR Credit: Building Product Disclosure and Optimization – Environmental Product Declarations, Options 1 & 2.
- MR Credit: Building Product Disclosure and Optimization – Material Ingredients, Option 1.
- MR Credit: Building Life-Cycle Impact Reduction, Option 4.

MarinoWARE cold-formed steel framing products contain 30% to 37% recycled steel.

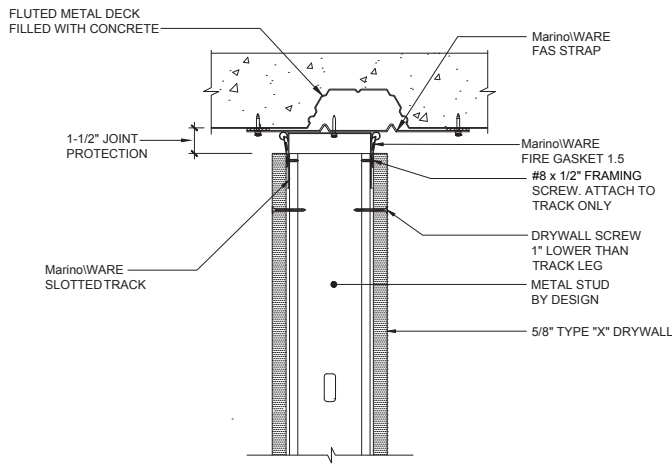
- Total Recycled Content: 36.9%
- Post-Consumer: 19.8%
- Pre-Consumer: 14.4%



For more information, please contact MarinoWARE® Technical Services at 866.545.1545

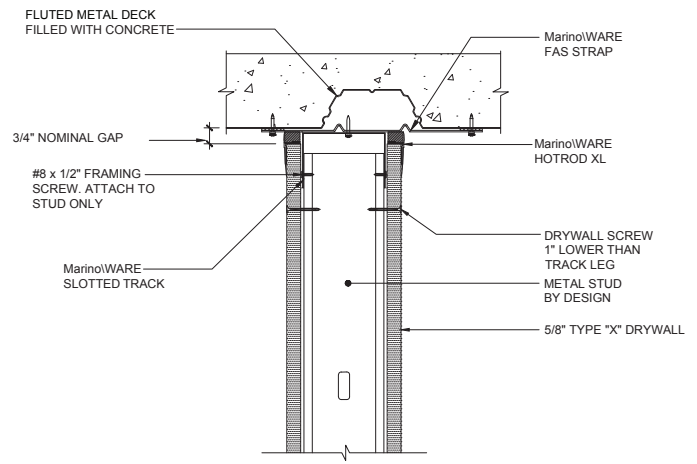
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

HW-D-0524 1 & 2HR OFFSET & PARALLEL UNDER FLUTED DECK



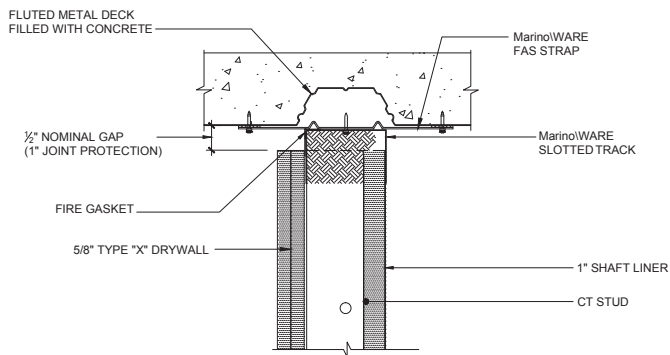
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0524 1 & 2HR OFFSET & PARALLEL UNDER FLUTED DECK



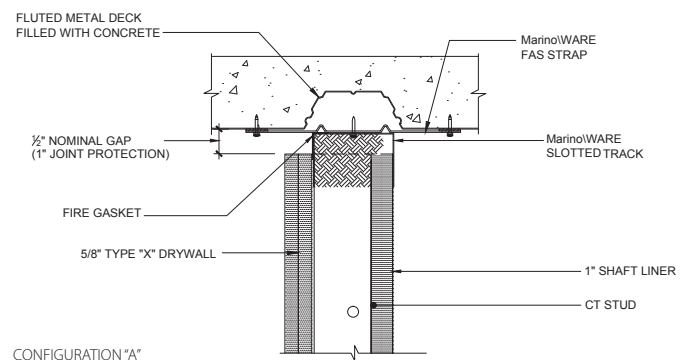
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0524 1 & 2HR OFFSET & PARALLEL UNDER FLUTED DECK



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0587 SHAFT WALL, DIRECTLY UNDER FLUTED DECK



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

Always check UL Fire resistance directory for complete design requirements.

For more information, please contact MarinoWARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

Product Description

MarinoWARE RBR Strap (Rated Base Reveal) is a composite steel/intumescent profile that provides a fire and smoke rating according to UL-2079 for a recessed base board and listed under UL BW-S-0036. The RBR Strap is a fire rated steel/intumescent strap drywall accessory that provides fire rating for recessed base board assemblies. RBR Strap is fabricated from hot-dipped galvanized steel complying with ASTM A653, and ASTM A1003 Grade 33 Type H for 33 ksi yield strength steel for 20 gauge (30 mil) with a minimum G40 coating complying with ASTM A924.

Steel Thickness

Steel thickness 20ga 0.030" (only) 6" wide

ASTM & Code Standards

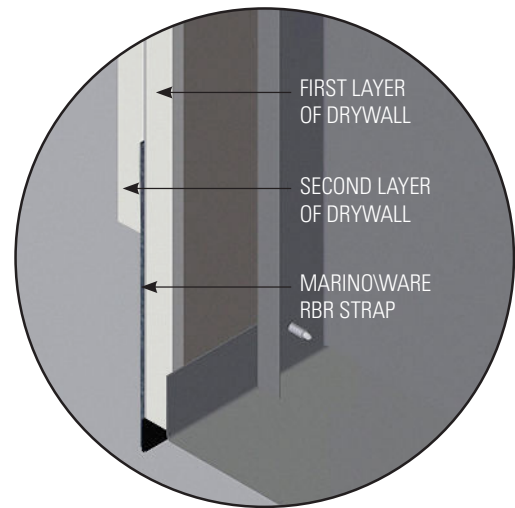
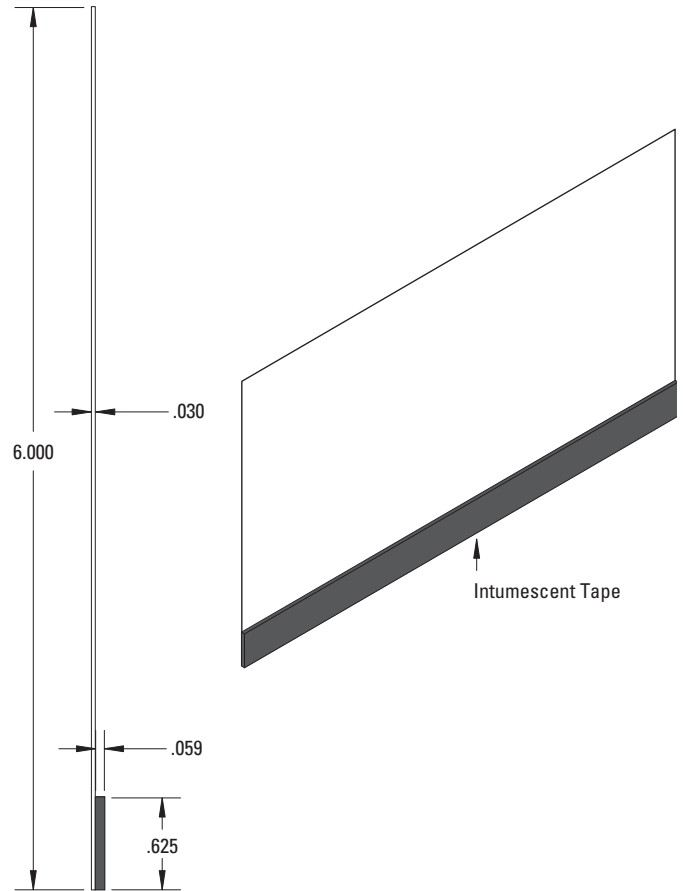
- ASTM A1003, A653, A924
- IBC: 2012, 2015, 2018, 2021
- CBC: 2013, 2016, 2019
- UL ER25033-01
- AISI: S100, S220
- ASTM E 1966: Standard Test Method of Fire Tests of Firestop Systems
- **UL 2079 5th Edition** Tests for Fire Resistance of Building Joints
- ASTM E-119 Standard Test Methods for Fire Tests of Building Construction and Material
- Air leakage tests conducted for compliance with Section 713.6 of IBC and CBC
- UL Approval: BW-S-0036
- **U.S. Patent No. 9,752,318 B2**

LEED v4 for Building and Design Construction

- MR Prerequisite: Construction and Demolition Waste Management Planning.
- MR Credit: Construction and Demolition Waste Management.
- MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials, Option 2.
- MR Credit: Building Product Disclosure and Optimization – Environmental Product Declarations, Options 1 & 2.
- MR Credit: Building Product Disclosure and Optimization – Material Ingredients, Option 1.
- MR Credit: Building Life-Cycle Impact Reduction, Option 4.

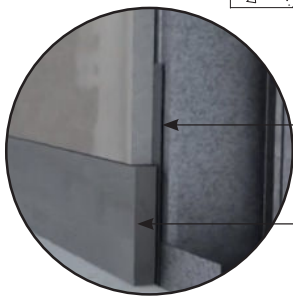
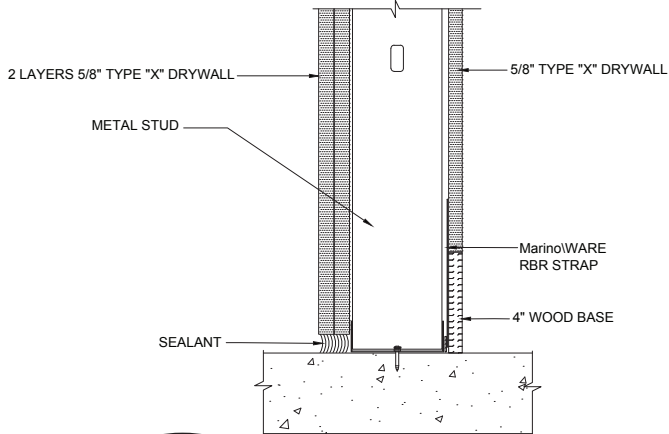
MarinoWARE cold-formed steel framing products contain 30% to 37% recycled steel

- Total Recycled Content: 36.9%
- Post-Consumer: 19.8%
- Pre-Consumer: 14.4%



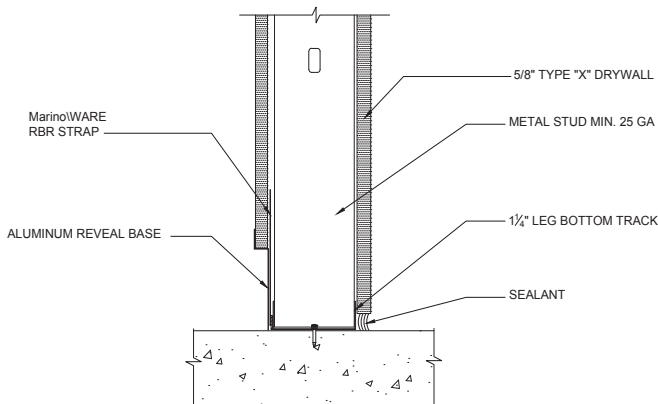
← Scan or click the code to view the installation video!

BW-S-0036 SOUND TEST OL15-1010, STC 52



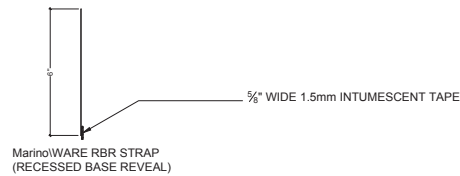
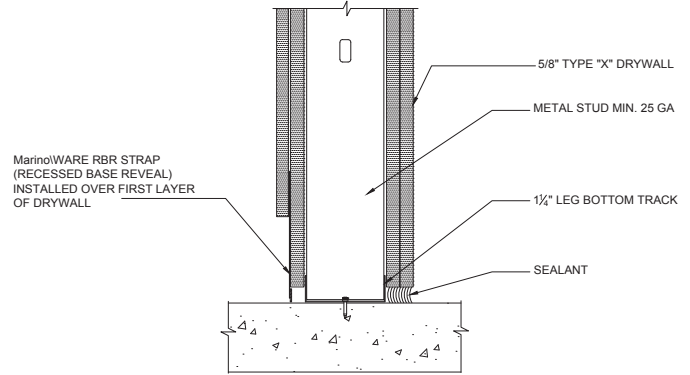
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

BW-S-0036 BOTTOM WALL STATIC JOINT RBR STRAP



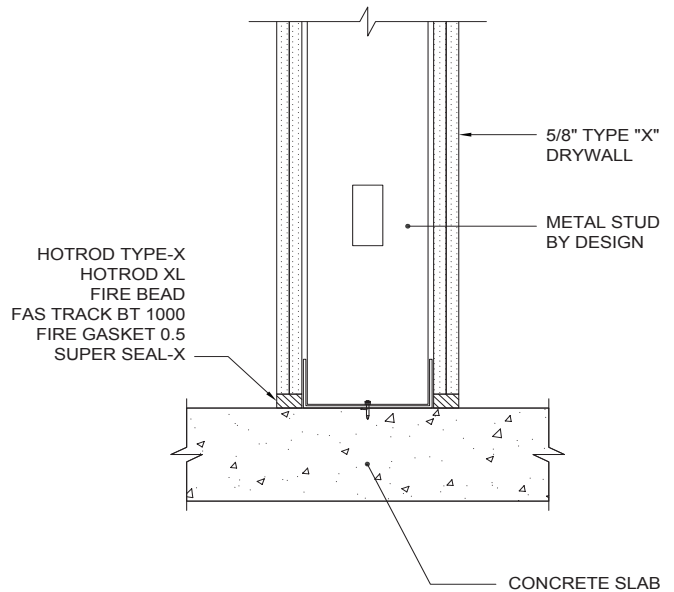
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

BW-S-0036 2HR BOTTOM WALL STATIC JOINT RBR STRAP



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

BW-S-0024 2HR BOTTOM WALL STATIC JOINT



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

Always check UL Fire resistance directory for complete design requirements.

For more information, please contact MarinoWARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

Product Description

MarinoWARE Smoke and Sound Stop is a compressible rectangular foam that provides a flexible backing for smoke and sound abatement at interior building joints and is sound tested according to ASTM E90.

Composition: Smoke and Sound Stop is continuous lengths of flexible, fabricated open cell polyurethane. Yellow in color. Sold in one continuous 1080' roll.

Smoke and Sound Stop

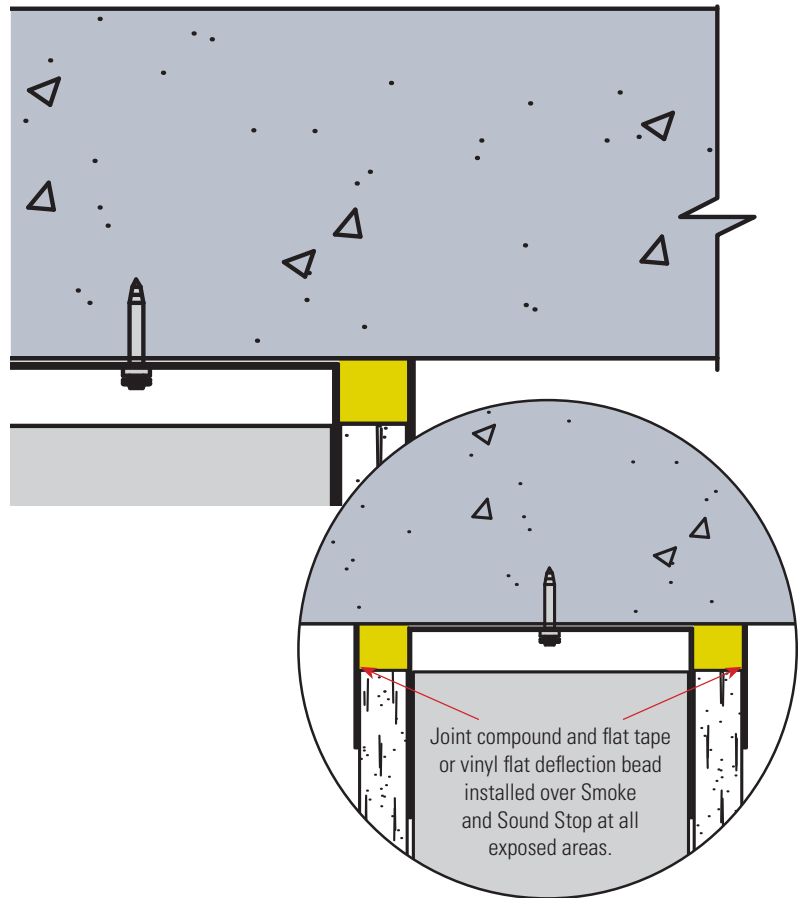
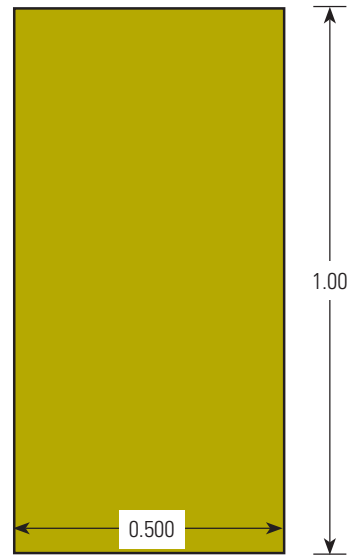
- Should be installed at interior perimeter building joints only, free from all loose materials, dry and free from frost, not recommended for wet areas.
- The rectangular profile is easily compressed into the gap between the edge of the drywall and adjoining structure.
- The open cell composition provides a flexible backing capable of receiving finishing materials such as drywall joint compound and tape or sealant.
- Exposed surface shall be covered with tape and joint compound, or sealant, or decorative trim.
- Maintains flexibility for the life of the interior building joint and will not shrink or pull away or harden over time.
- Will resist oil, gasoline and most solvents, the material is odorless, will not stain, and the open cell composition prevents out-gassing.

Packaging

- 1 continuous roll, 1080' per box, 12 boxes per pallet.

ASTM & Code Standards:

- Sound Tested in accordance with ASTM E90-09
- Air leakage tests conducted for compliance with Section 713.6 of IBC and CBC
- IBC: 2012, 2015, 2018
- CBC: 2013, 2016, 2019
- AISI: S100-07, S100-12, S100-16, S220-11, S220-15
- Patent pending

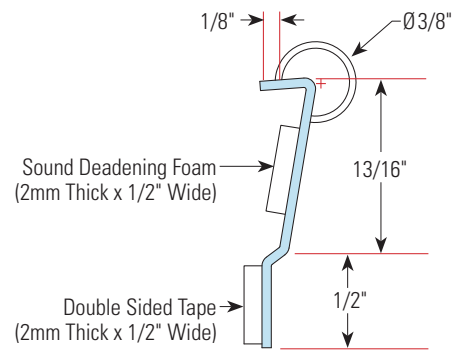
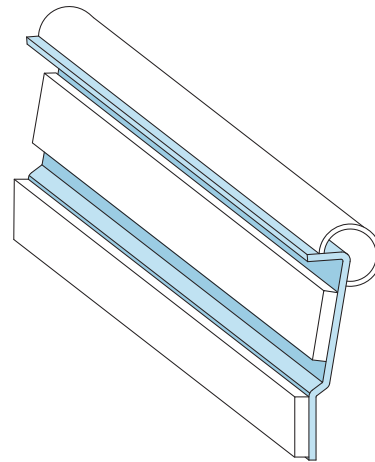




Product Description

MarinoWARE SOUND GASKET™ is a vinyl accessory that provides smoke and sound ratings for both dynamic and static joints. The unique vinyl profile provides a seal along the inside leg to prevent sound flanking along the leg of the slotted and framing screws while the outer bubble gasket will compress to seal against uneven concrete.

- **SOUND GASKET** is mechanically or adhesively fastened to the leg of the track. It features a 3/8" hollow bubble gasket on the upper corner that is easily compressed to seal against uneven concrete or fluted decks. Once properly installed the Sound Gasket provides an unbreakable seal, to provide long term smoke and sound protection.
- **SOUND GASKET** takes the place of acoustic sealant at building joints.
- **SOUND GASKET** can be used on head-of-wall, bottom-of-wall, and wall to wall building joints.
- **SOUND GASKET** is tested for air leakage for compliance with Section 713.6 of IBC and CBC.
- **SOUND GASKET** is manufactured in a light blue color vinyl that is easily identified by the inspector.
- **SOUND GASKET** is paintable, always use high-quality paint.
- **SOUND GASKET** installs fully cured and has no installation temperature or humidity restrictions.
- **SOUND GASKET** installs on both sides of the wall and comes in 10' lengths.
- **SOUND GASKET** can be installed in the field or pre-installed to the track prior to installing track in place.
- **SOUND GASKET** provides up to 1" overall unencumbered movement.
- **SOUND GASKET** is very durable and is not easily damaged, once installed it will not delaminate, it will not take in water, and it will not shrink or harden over time.
- **SOUND GASKET** provides premium STC ratings.
 - STC 51 on 3-5/8" 20 EQ studs unbalanced walls.
 - STC 55 on 3-5/8" 20 EQ studs balanced walls.
 - STC 67 on 20 EQ double wall balanced.

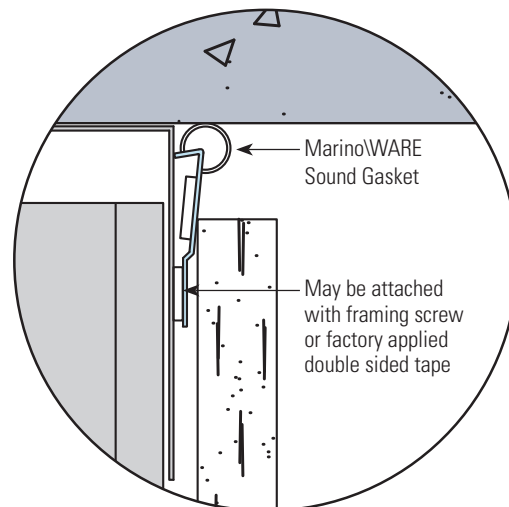


Packaging

- 10'-0" lengths; 20 pieces per box; 96 boxes per pallet.
- When properly stored indoors, and in original packaging SOUND GASKET will not breakdown and has no expiration date.

ASTM & Code Standards

- Sound Tested in accordance with ASTM E90-09
- Air leakage tests conducted for compliance with Section 713.6 of IBC and CBC.
- U.S. Patent No. 10,246,871; 10,753,084; 10,954,670



← Scan or click the code to view the installation video!



← Scan or click the code to view the installation guide!



For more information, please contact MarinoWARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

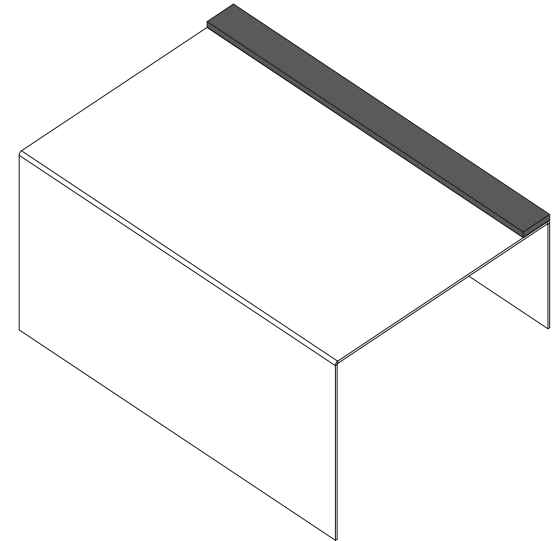
Geometric Properties

FAS J-Track has longer legs than standard J-Runner to provide greater deflection at the head-of-wall joint. FAS J-Track provides $\frac{3}{4}$ " overall unencumbered movement providing the best possible L-Rating (smoke) for 1 and 2 hour fire ratings. FAS J-Track also eliminates the installation of fire caulking of additional drywall rips. FAS J-Track is manufactured in 33mil thick G40 hot-dipped galvanized steel. G60 and G90 are available only upon special request and will require extended lead-times.

Steel Thickness

Thickness (mil.)	Design Thickness (in.) ¹	Minimum Thickness (in.) ^{1,2}	Yield (KSI)	Web Sizes (in.)(A)	Leg Sizes (in.)
33	0.0346	0.0329	33	2-1/2, 4, 6	1-1/2 & 2-1/2

Notes:
 1. Uncoated steel thickness. Thickness is for carbon steel.
 2. Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site, based on Section A3.4 of the AISI S100-2012

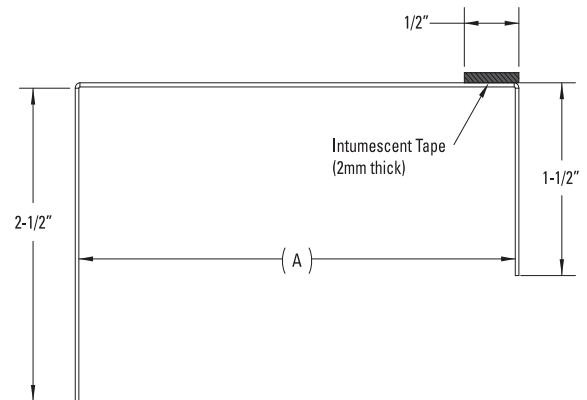


ASTM & Code Standards

- ASTM A653/653M, A924/924M, A1003/1003M
- ASTM A1003, A653, A924, C624, C754
- 2012/2015 IBC
- AISI 2012
- U.S. Patent #8,640,415 Bs
- ASTM E 1966: Standard Test Methods of Fire Tests of Firestop Systems
- UL 2079 Tests For Fire Resistance of Building Joints, 5th Edition.
- ASTM E-119 Standard Test Methods for Fire Tests of Building Construction and Material
- Air leakage tests conducted for compliance with Section 713.6 of IBC and CBC

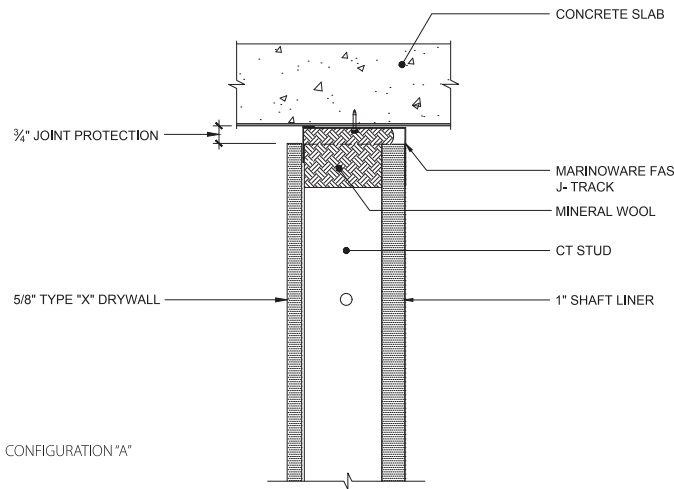
LEED v4 for Building and Design Construction

- MR Prerequisite: Construction and Demolition Waste Management Planning
- MR: Credit: Construction and Demolition Waste Management
- MR Credit: Building Product Disclosure and Optimization - Sourcing of Raw Materials, Option 2
- MR Credit_ Building Product Disclosure and Optimization - Environmental Product Declarations, Options 1 & 2
- MR Credit: Building Product Disclosure and Optimization - Material Ingredients, Option 1
- MR Credit: Building Life-Cycle Impact Reduction, Option 4



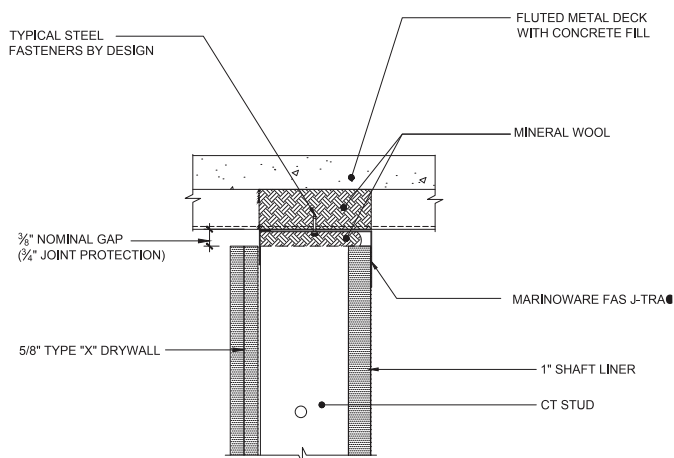
← Scan or click the code to view the installation video!

HW-D-0625 1 HR. SHAFT WALL, CONCRETE SLAB



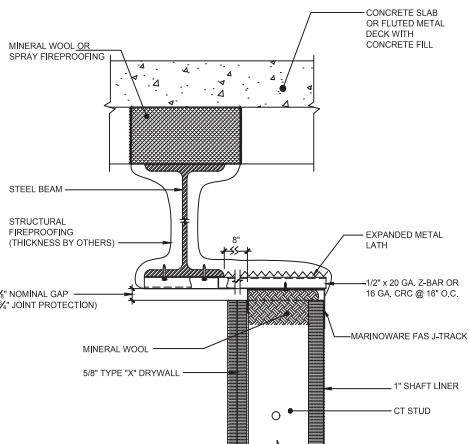
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0525 SHAFT WALL, PERPENDICULAR TO FLUTED DECK



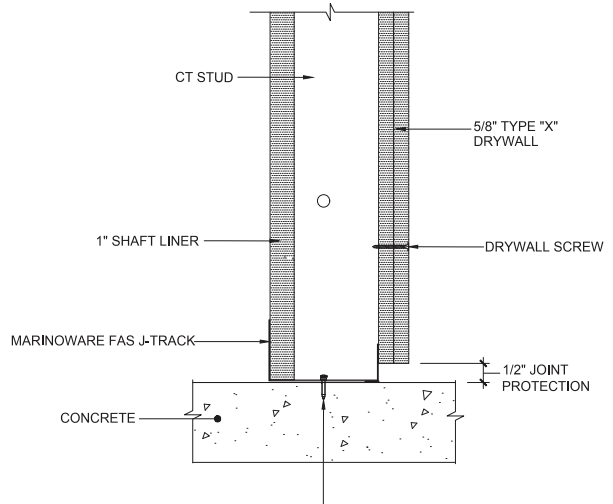
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0653 SHAFT WALL, PARALLEL & CANTILEVER UNDER BEAM



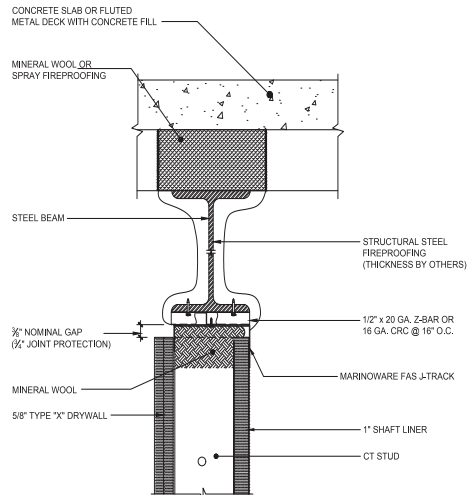
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

BW-S-0053 SHAFT WALL BOTTOM OF WALL



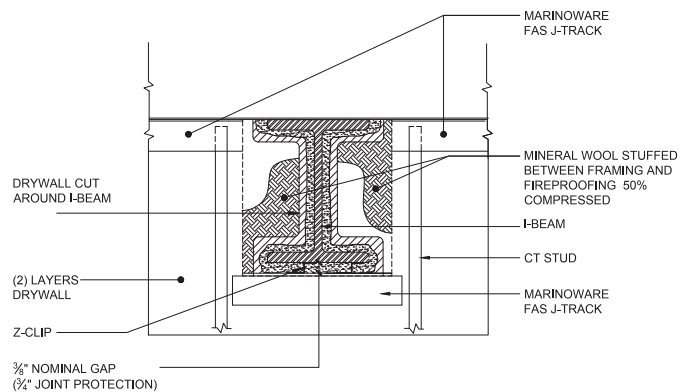
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0622 SHAFT WALL, DIRECTLY UNDER BEAM



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0623 SHAFT WALL, @ FLUTED DECK BEAM PENETRATION



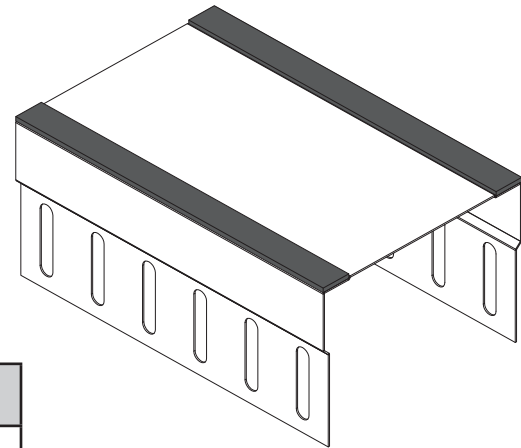
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

Always check UL Fire resistance directory for complete design requirements.
For more information, please contact MarinoWARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

Geometric Properties

MARINOWARE FAS Track 1000 is a slotted deflection track that offers fire and air (smoke) protection, eliminating the need for fire and sound sealant. The section is fabricated from hot-dipped galvanized steel complying with ASTM A653, and ASTM A1003 Grade 33 Type H for 33 ksi yield strength steel for 20 gauge (33 mils) with a minimum G40 coating complying with ASTM A924, and 18 gauge (43 mils) with a minimum G60 coating complying with ASTM A924; and Grade 50 Type H for 50 ksi yield strength steel for 16 gauge (54 mils) with a minimum G60 coating complying with ASTM A924. FAS Track 1000 has been tested with Underwritten Laboratories in accordance with UL 2079.



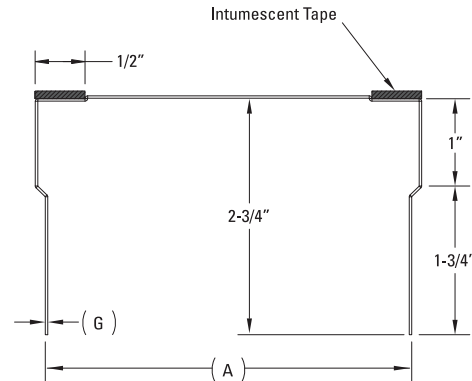
Steel Thickness

"A" Track Member Width (in.)	Flange Size (in.) ¹	Length (ft.)	"G" Steel Thickness mil(gauge)
2-1/2, 3-5/8, 4	2-3/4	10	30(20DW), 33(20STR), 43(18), 54(16)
6, 8	2-3/4	10	30(20DW), 33(20STR), 43(18), 54(16), 68(14)

U.S. Patent #8,640,415 B2

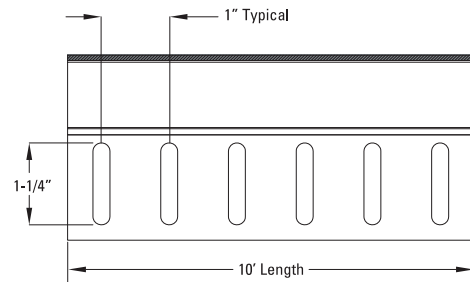
ASTM & Code Standards

- ASTM A653/653M, A924/924M, A1003/1003M & C645
- ASTM E 1966: Standard Test Methods of Fire Tests of Firestop Systems
- UL 2079 Tests For Fire Resistance of Building Joints
- ASTM E-119 Standard Test Methods for Fire Tests of Building Construction and Material
- Sound Tested in accordance with ASTM E90-09
- Air leakage tests conducted for compliance with Section 713.6 of IBC and CBC



LEED v4 for Building and Design Construction

- MR Prerequisite: Construction and Demolition Waste Management Planning
- MR: Credit: Construction and Demolition Waste Management
- MR Credit: Building Product Disclosure and Optimization - Sourcing of Raw Materials, Option 2
- MR Credit_ Building Product Disclosure and Optimization - Environmental Product Declarations, Options 1 & 2
- MR Credit: Building Product Disclosure and Optimization - Material Ingredients, Option 1
- MR Credit: Building Life-Cycle Impact Reduction, Option 4

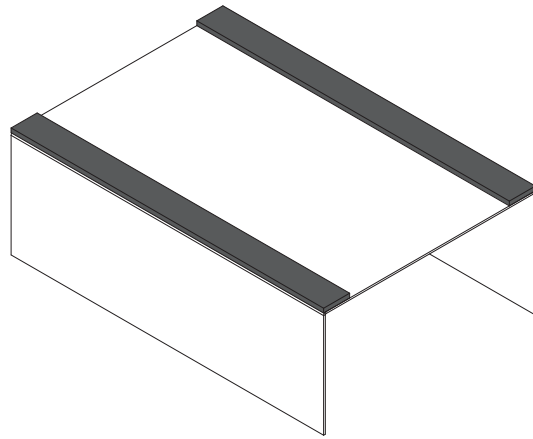


← Scan or click the code to view the installation video!



Geometric Properties

MARINO\WARE FAS Track 1000 DL is a deflection track with 1/2" intumescent Tape that offers fire and air (smoke) protection, eliminating the need for fire and sound sealant. The section is fabricated from hot-dipped galvanized steel complying with ASTM A653, and ASTM A1003 Grade 33 Type H for 33 ksi yield strength steel for 20 gauge (33 mils) with a minimum G40 coating complying with ASTM A924, and 18 gauge (43 mils) with a minimum G60 coating complying with ASTM A924; and Grade 50 Type H for 50 ksi yield strength steel for 16 gauge (54 mils) with a minimum G60 coating complying with ASTM A924. FAS Track 1000 DL has been tested with Underwritten Laboratories in accordance with UL 2079.



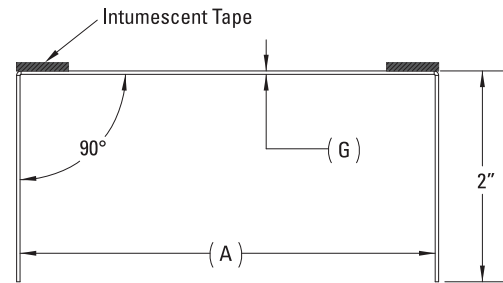
Steel Thickness

Thickness (mil)	Design Thickness (in.) ¹	Minimum Thickness (in.) ^{1,2}
30	0.0312	0.0296
33	0.0346	0.0329
43	0.0451	0.0428
54	0.0566	0.0538

Notes:
 1. Uncoated steel thickness. Thickness is for carbon steel.
 2. Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site, based on Section A3.4 of the AISI S100-2012

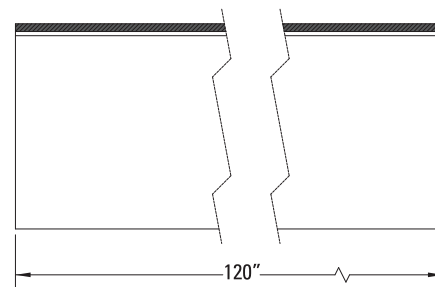
ASTM & Code Standards

- ASTM A653/653M, A924/924M, A1003/1003M, C645 & C754
- ASTM E 1966: Standard Test Methods of Fire Tests of Firestop Systems
- UL 2079 Tests For Fire Resistance of Building Joints
- ASTM E-119 Standard Test Methods for Fire Tests of Building Construction and Material
- Sound Tested in accordance with ASTM E90-09
- Air leakage tests conducted for compliance with Section 713.6 of IBC and CBC



LEED v4 for Building and Design Construction

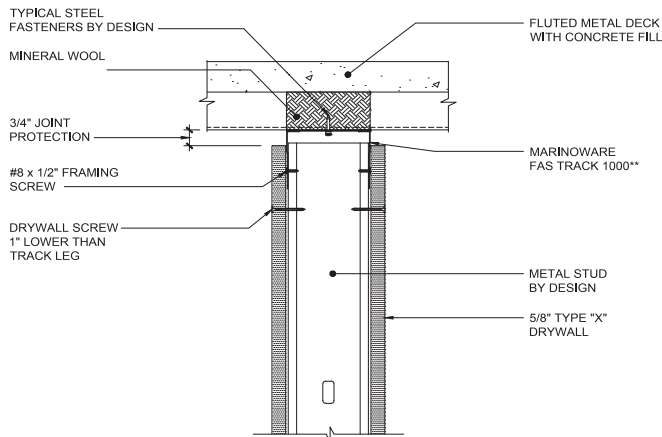
- MR Prerequisite: Construction and Demolition Waste Management Planning
- MR: Credit: Construction and Demolition Waste Management
- MR Credit: Building Product Disclosure and Optimization - Sourcing of Raw Materials, Option 2
- MR Credit_ Building Product Disclosure and Optimization - Environmental Product Declarations, Options 1 & 2
- MR Credit: Building Product Disclosure and Optimization - Material Ingredients, Option 1
- MR Credit: Building Life-Cycle Impact Reduction, Option 4



For more information, please contact MarinoWARE® Technical Services at 866.545.1545

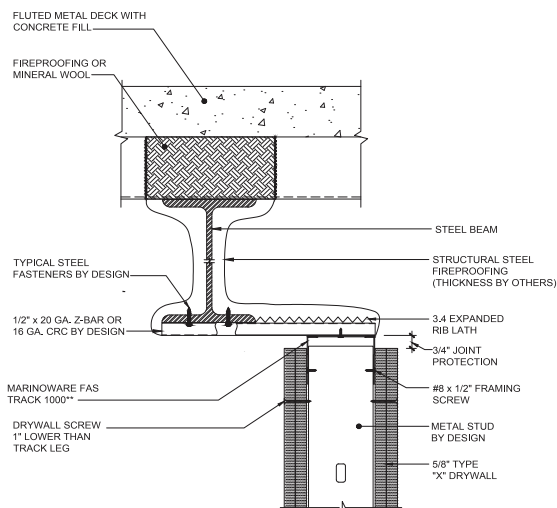
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

HW-D-0518 1 HR. STANDARD WALL, PERPENDICULAR TO FLUTED DECK



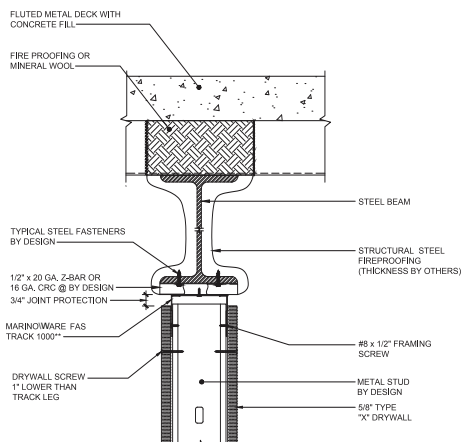
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0652 2 HR. STANDARD WALL, CANTILEVERED UNDER BEAM*



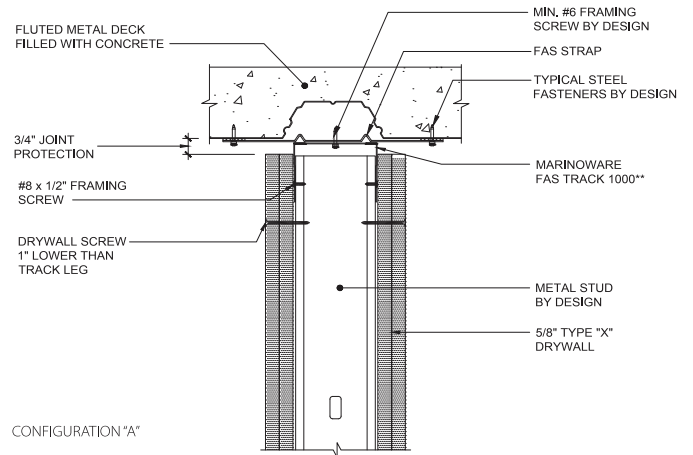
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0551 1 HR. CENTERED DIRECTLY UNDER BEAM



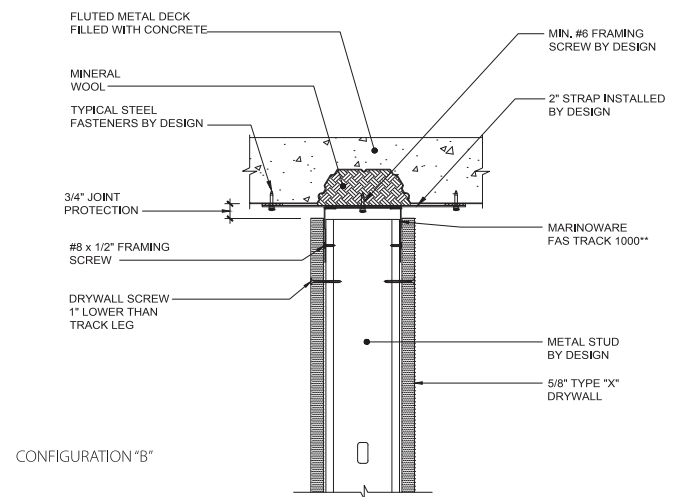
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0524 2 HR. PARALLEL & DIRECTLY UNDER DECK FLUTE



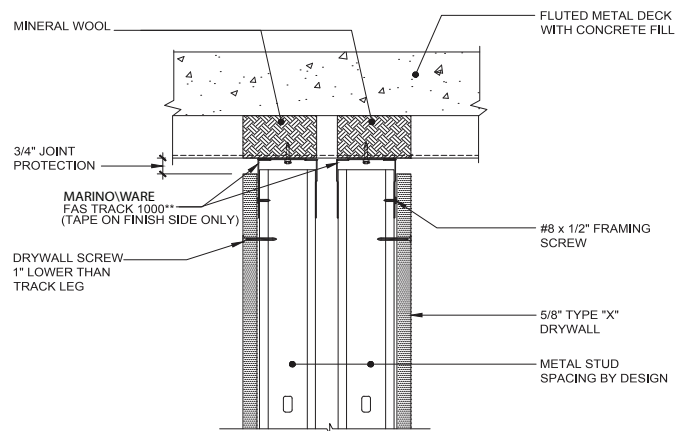
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0524 1 HR. PARALLEL & DIRECTLY UNDER DECK FLUTE



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0553 1 HR. CHASE WALL, PERPENDICULAR TO FLUTED DECK



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

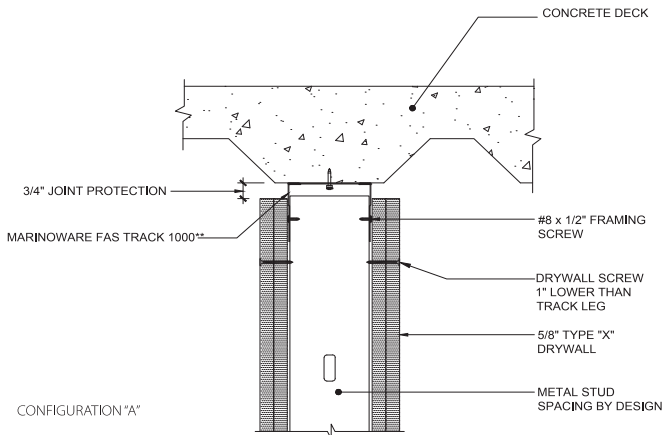
** If the IBC requires UL-2079 5th edition, additional fill material may be needed in the deflection joint

Always check UL Fire resistance directory for complete design requirements.

For more information, please contact MarinoWARE® Technical Services at 866.545.1545

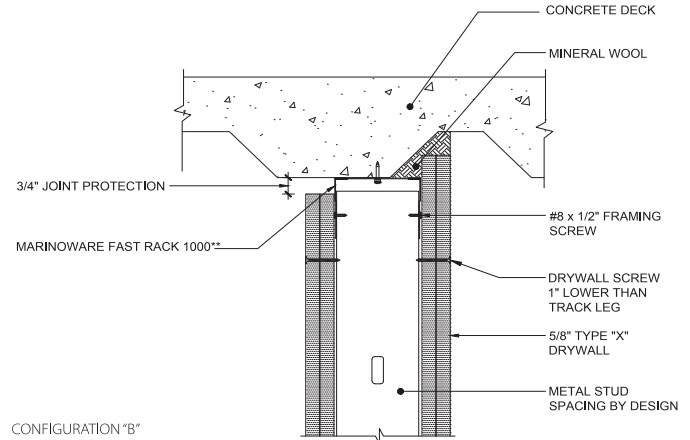
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

HW-D-0620 2 HR. PARALLEL & DIRECTLY UNDER FLUTED DECK



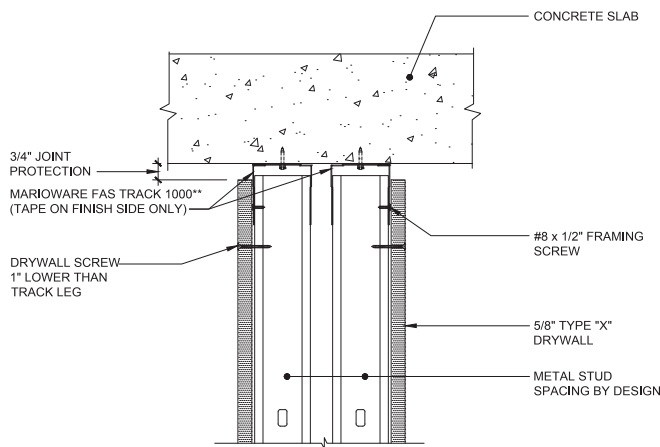
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0620 2 HR. PARALLEL & OFFSET UNDER FLUTED DECK



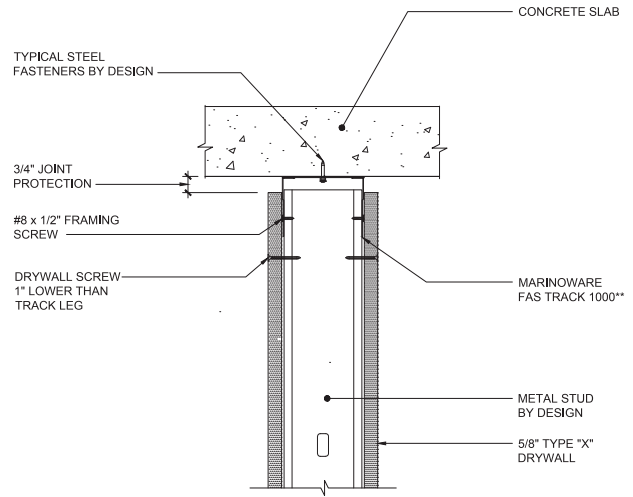
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0554 1 HR. STANDARD CHASE WALL, CONCRETE SLAB



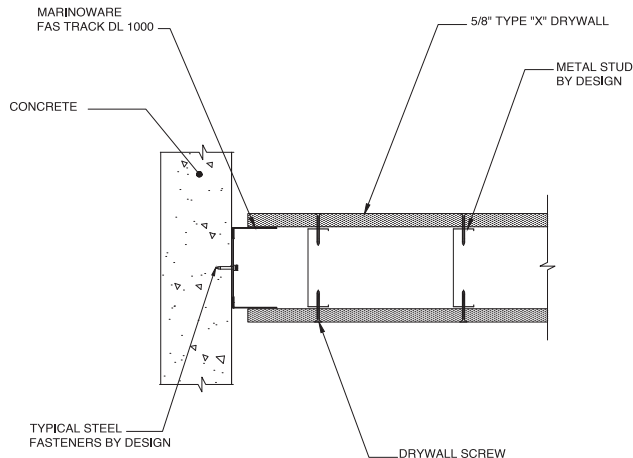
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0624 1 HR. CONCRETE SLAB-FLAT TAPE & JOINT COMPOUND



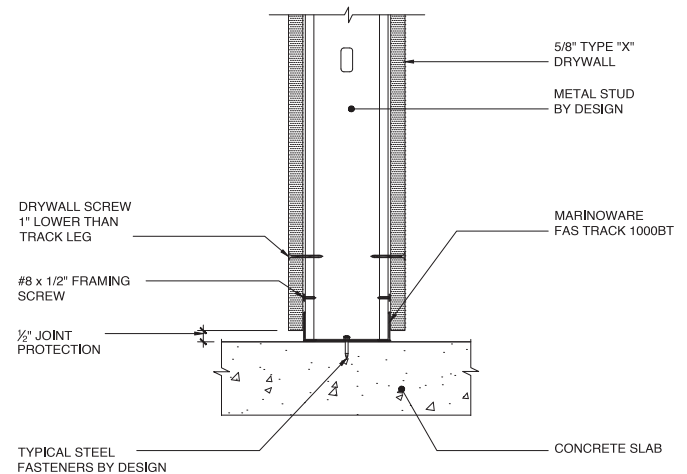
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

WW-D-0104 1 HR. VERTICAL TIE-IN TO CONCRETE SLAB



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

BW-S-0024 1 HR. BOTTOM WALL STATIC JOINT



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

** If the IBC requires UL-2079 5th edition, additional fill material may be needed in the deflection joint

For more information, please contact MarinoWARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

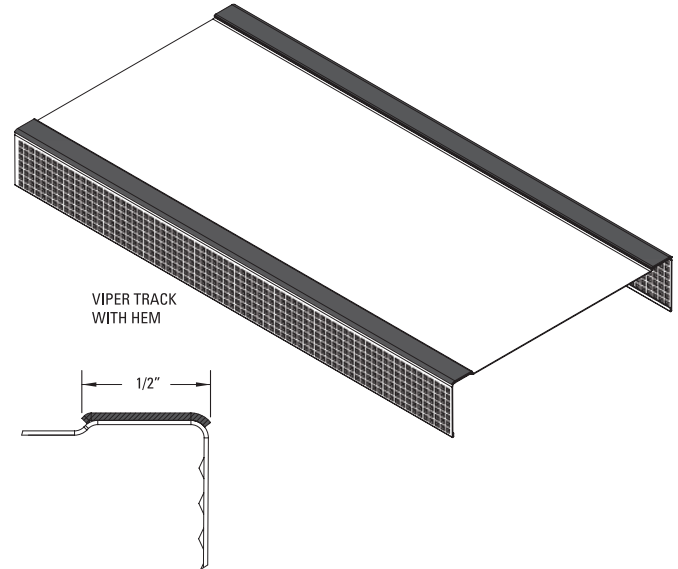
Product Description

MarinoWARE FAS Track BT 1000 is a bottom track that offers fire and air (smoke) protection, eliminating the need for fire and sound sealant. The section is fabricated from hot-dipped galvanized steel complying with ASTM A653, and ASTM A1003 Grade 33 Type H for 33 ksi yield strength steel for 20 gauge (30 mils) with a minimum G40 coating complying with ASTM A924, and 18 gauge (43 mils) with a minimum G60 coating complying with ASTM A924; and Grade 50 Type H for 50 ksi yield strength steel for 54 mil (16 gauge) with a minimum G60 coating complying with ASTM A924

Steel Thickness

Thickness (mil.)	Design Thickness (in.) ¹	Minimum Thickness (in.) ^{1,2}
30	0.0312	0.0296
43	0.0451	0.0428
54	0.0566	0.0538

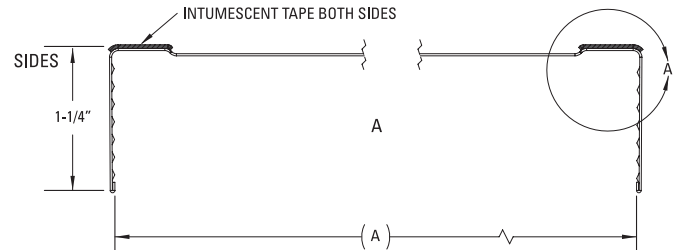
Notes:
 1. Uncoated steel thickness. Thickness is for carbon steel.
 2. Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site, based on Section A3.4 of the AISI S100-2012



FAS Track BT 1000 (Bottom Track) Track Configurations:

"A" Track Member Width (in.)	Flange Size (in.)	Length (ft.)	"G" Steel Thickness mil (gauge)
2-1/2, 3-5/8, 4, 6	1-1/4	10	30,43,54 (20,18,16)

U.S. Patent 8,640,415 B2



ASTM & Code Standards

- ASTM A653/653M, A924/924M, A1003/1003M, C645 & C754
- ASTM E 1966: Standard Test Method of Fire Tests of Firestop Systems
- UL 2079 Tests For Fire Resistance of Building joints, 5th Edition
- ASTM E-119 Standard Test Methods for Fire Tests of Building Construction and Material
- Sounds Tested in accordance with ASTM E90-09
- Air leakage tests conducted for compliance with Section 713.6 of IBC and CBC
- MR Prerequisite: Construction and Demolition Waste Management Planning
- MR Credit: Construction and Demolition Waste Management
- MR Credit: Building Product Disclosure and Optimization - Sourcing of Raw Materials, Option 2
- MR Credit: Building Product Disclosure and Optimization - Environmental Product Declarations, Options 1 & 2
- ME Credit: Building Product Disclosure and Optimization - Material Ingredients, Options 1
- ME Credit: Building Life-Cycle Impact Reduction, Option 4



Product Description

MarinoWARE FAS-093X Fire Rated Control Joint is a composite control joint with intumescent tape factory applied to the back side of the control joint. The FAS-093X has been tested according to UL-2079 "Test For Fire Resistance of Building Joint Systems" and is used to relieve stresses of expansion and contraction of drywall interior partitions or ceilings running in a horizontal or vertical direction. The opening is protected by an orange plastic tape to indicate the fire rating. This tape is removed after joint compound has been applied and the finish is completed. The 093X can be used on metal or wood framing on one or both sides of the wall. Continuous framing or backing is required behind both flanges. The section is fabricated from 0.015 mil hot-dipped galvanized steel.

U.S. Patent 8,671,632

ASTM & Code Standards:

- ASTM C1047, A653
- ASTM A1003 Grade 33 Type H
- ASTM E 1966: Standard Test Method of Fire Tests of Firestop Systems **for 1 and 2 hour wall assemblies**
- UL ER25033-01
- UL 2079 Tests For Fire Resistance of Building Joints
- ASTM E-119 Standard Test Methods for Fire Tests of Building Construction and Material
- Sound Tested in accordance with ASTM E90-09
- Air leakage tests conducted for compliance with Section 713.6 of IBC and CBC
- IBC: 2012, 2015, 2018, 2021
- CBC: 2013, 2016, 2019
- AISI: S100, S220

LEED v4 for Building and Design Construction:

- MR Prerequisite: Construction and Demolition Waste Management Planning
- MR Credit: Construction and Demolition Waste Management
- MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials, Option 2
- MR Credit: Building Product Disclosure and Optimization – Environmental Product Declarations, Options 1 & 2
- MR Credit: Building Product Disclosure and Optimization – Material Ingredients, Option 1
- MR Credit: Building Life-Cycle Impact Reduction, Option 4

MarinoWARE cold-formed steel framing products contain 30% to 37% recycled steel:

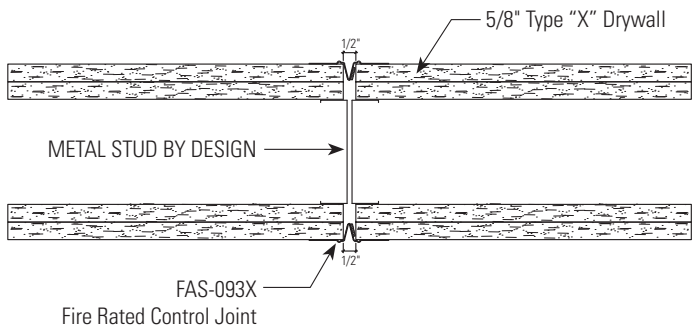
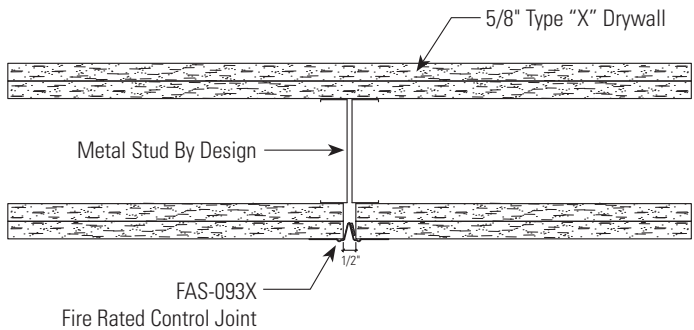
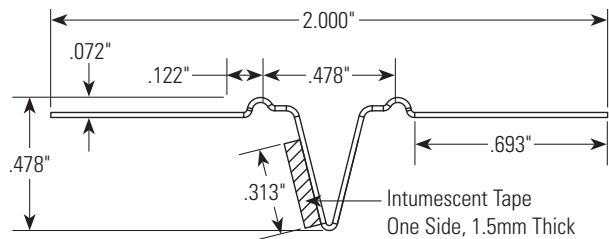
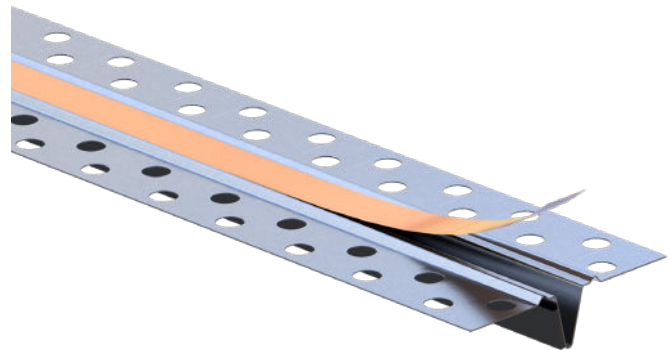
- Total Recycled Content: 36.9%
- Post-Consumer: 19.8%
- Pre-Consumer: 14.4%

Installation:

093X can be installed with drywall fasteners or staples before the flanges are coated with tape and joint compound.



← Scan or click the code to view the installation video!



For more information, please contact MarinoWARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

Product Description

MarinoWARE FAS-093X-V Vinyl Fire Rated Control Joint is a composite control joint with intumescent tape factory applied to the back side of the control joint. The FAS-093X-V has been tested according to UL-2079 "Test for Fire Resistance of Building Joint Systems" and is used to relieve stresses of expansion and contraction of drywall INTERIOR and EXTERIOR partitions or ceilings running in a horizontal or vertical direction in both metal or wood framing on one side or both sides of the wall. Continuous framing or backing is required behind both flanges. The FAS-093X-V is pink in color and features a co-extruded flexible PVC center that is designed to provide a full 1/2" of protection against the stresses of expansion and contraction.

US Patent 8,671,632

Packaging

10' lengths; 20 pieces per box; 25 per pallet

Product Information

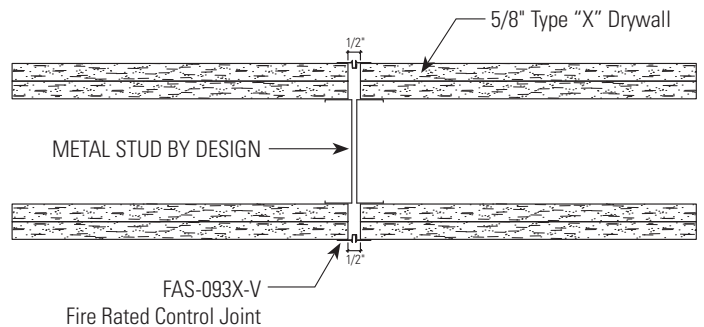
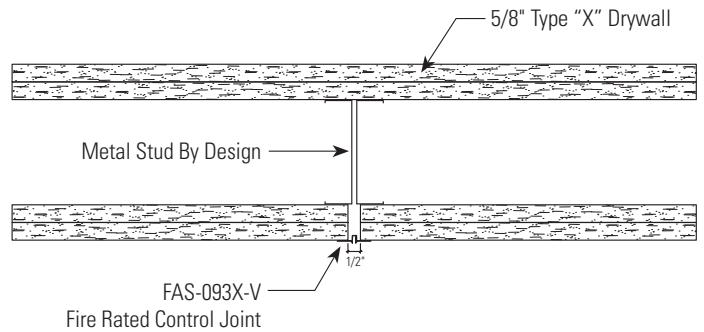
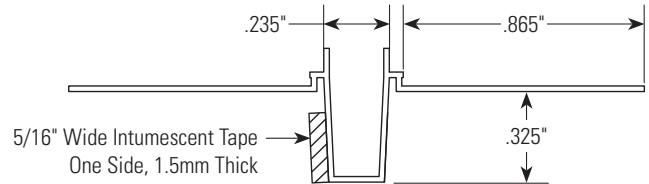
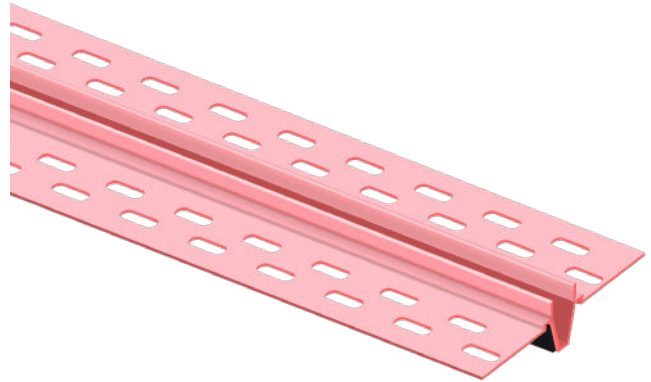
Applicable Standards: Rigid PVC products meet ASTM specifications D3678-97 Class 2, D1784-03, C1047-99 and achieve a Class A rating for flame spread and smoke developed when tested under ASTM E84-10.

UL-2079 Standard for Tests for Fire Resistance of Building Joint Systems **for 1 and 2 hour wall assemblies.**

Limitations: 093X-V must be painted with a high quality paint, especially in exterior applications.

Installation: 093X-V can be installed with spray adhesive, drywall fasteners, or staples.

- NO Drywall Rips Required
- NO Fire Sealant Required
- NO Mineral Wool Required



← Scan or click the code to view the installation video!



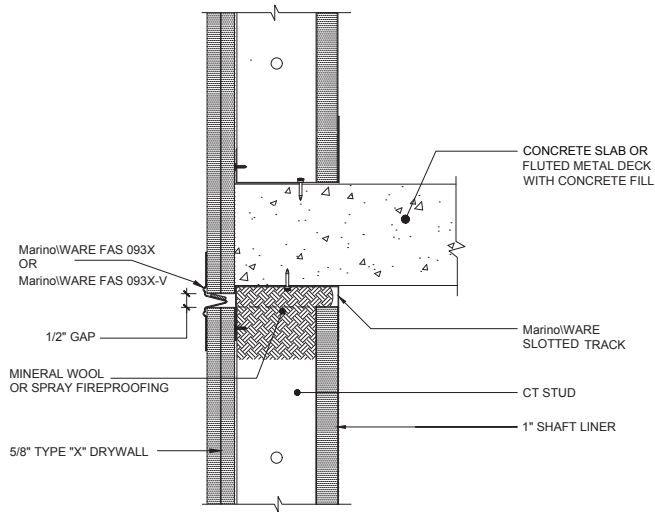
← Scan or click the code to view the installation guide!



For more information, please contact MarinoWARE® Technical Services at 866.545.1545

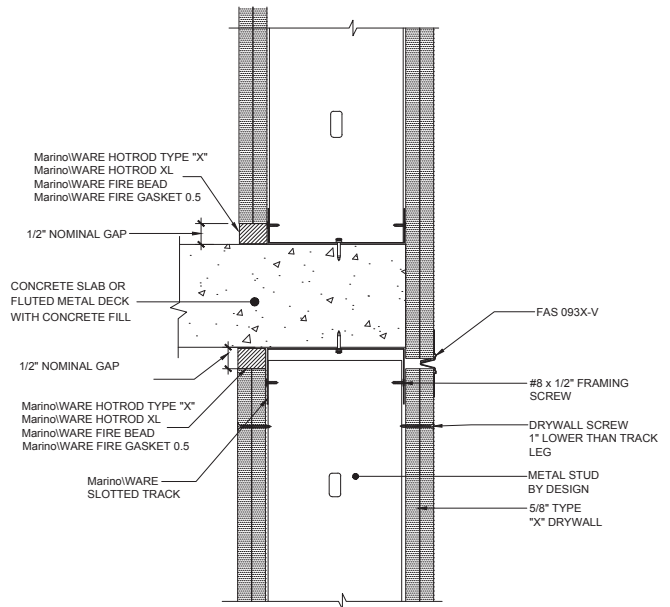
This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

HW-D-0621 2HR SHAFT WALL CONCRETE SLAB BYPASS



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0596 2HR STANDARD WALL @ CONCRETE STAIRWELL SLAB BYPASS



*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

Always check UL Fire resistance directory for complete design requirements.

For more information, please contact MarinoWARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

Description

MarinoWARE FAS Vertical Drift Joint (VDJ) is a composite steel/intumescent corner bead with 2 layers of factory applied intumescent tape applied to the longer leg of the accessory. The intumescent strips work as a compression gasket to prevent the passage fire, smoke and sound between the metal stud drywall panels and the panel and or drywall encased around the aluminum window mullion. The FAS Vertical Drift Joint (VDJ) is tested and certified with UL according to UL-2079 and will provide unencumbered **drift and vertical movement** between the adjoining wall panels. The profile is fabricated from hot-dipped galvanized steel complying with ASTM A653, and ASTM A1003 Grade 33 Type H for 33 ksi yield strength steel for 25 gauge (18 mil).

ASTM's & Code Standards

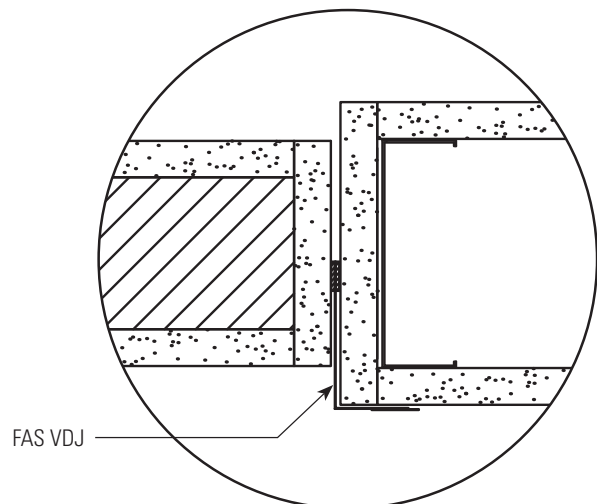
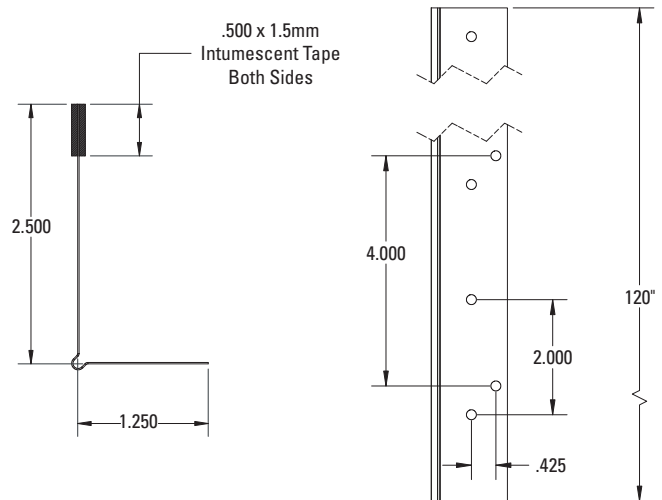
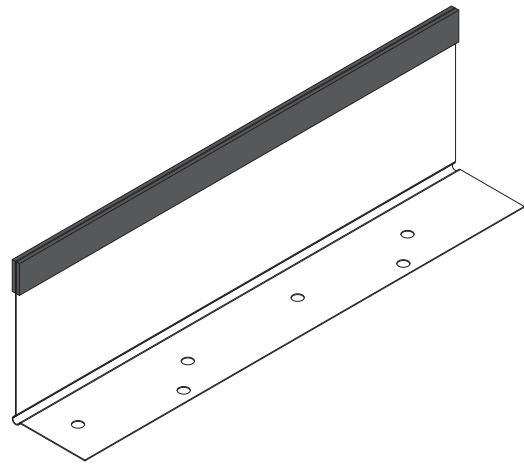
- ASTM A653, C645, A1003, A924
- ASTM E 1966: Standard Test Method of Fire Tests of Firestop Systems
- UL 2079 Tests For Fire Resistance of Building Joints
- ASTM E-119 Standard Test Methods for Fire Tests of Building Construction and Material
- Air leakage tests conducted for compliance with Section 713.6 of IBC and CBC
- IBC: 2012, 2015, 2018
- CBC: 2013, 2016, 2019
- AISI: S100-07, S100-12, S100-16, S220-11, S220-15
- U.S. Patent 10,077,550 B2

LEED v4 for Building and Design Construction

- MR Prerequisite: Construction and Demolition Waste Management Planning.
- MR Credit: Construction and Demolition Waste Management.
- MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials, Option 2.
- MR Credit: Building Product Disclosure and Optimization – Environmental Product Declarations, Options 1 & 2.
- MR Credit: Building Product Disclosure and Optimization – Material Ingredients, Option 1.
- MR Credit: Building Life-Cycle Impact Reduction, Option 4.

MarinoWARE cold-formed steel framing products contain 30% to 37% recycled steel.

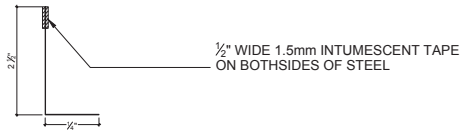
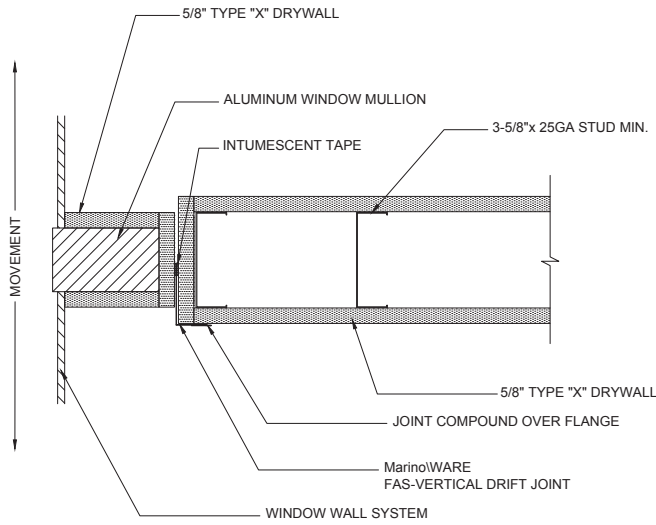
- Total Recycled Content: 36.9%
- Post-Consumer: 19.8%
- Pre-Consumer: 14.4%



For more information, please contact MarinoWARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

WW-D-0182 1HR VERTICAL DRIFT JOINT FAS-VDJ



CONFIGURATION "A"

*NOTE: SINGLE LAYER OF 5/8"TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

Always check UL Fire resistance directory for complete design requirements.

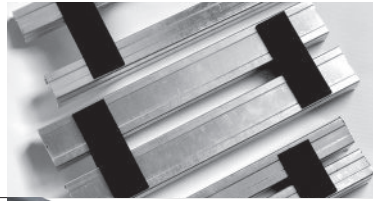
For more information, please contact MarinoWARE® Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2023 | MW-Joint Firestopping Catalog | ©WARE Industries, Inc. 2023

Visit MarinoWARE.com to experience our full line of innovative solutions.



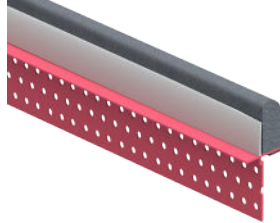
SOUND GUARD
THE SILENT STEEL FRAMING SYSTEM



- Reduces labor and materials
- Increases available floor space
- Does not require additional bracing or resilient channel



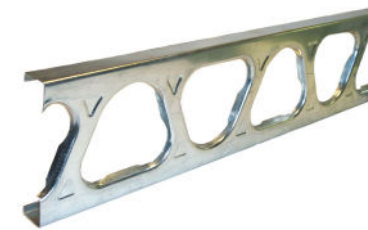
Firestopping
Fire Bead • Fire Gasket • HotRod XL



- Firestopping and sound control for building joints
- Innovative firestop devices for faster installation
- Prevents passage of fire, smoke and toxic fumes



StudRite
JoistRite



- High strength-to-mass ratio
- Increased structural performance due to lip reinforced triangular cutouts and embossments
- Efficient design for installing plumbing, heating, electrical, and other trades
- Saves construction professionals valuable time and reduces labor costs



- Unsurpassed resistance against loads imposed by seismic activity, hurricane force winds, fire, mold, impact and blast, while actively reducing sound transmission



RC-MAX



- RC-MAX is manufactured from 0.0190" 50 KSI steel for additional strength
- Offers economical means for controlling sound transmission



ClipSource



- A comprehensive line of connectors for cold formed steel framing
- Designed to facilitate quicker, more cost-effective installation, while making proper attachment of cold formed steel members easier



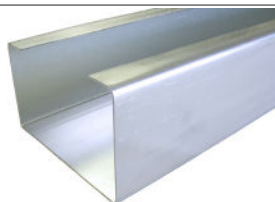
GenieClip



- Engineered for superior acoustical performance in reducing the transmission of airborne and impact sound through wall and floor/ceiling assemblies
- Easy and fast to install using standard steel furring channel



QuickFrame
Rough Opening System



- Eliminates the need for multiple piece headers, jambs, and sills, reducing jobsite labor assembly time by more than 50%

YOUR SUCCESS DEPENDS ON QUALITY BUILDING PRODUCTS AND SO DOES OURS.

For over 30 years, Marino\WARE[®], a division of Ware Industries Inc., has served our customers with top quality cold-formed steel framing products, while delivering better solutions to construction challenges. We are committed to providing a superior customer experience through a vast selection of readily available products, a knowledgeable sales team, comprehensive technical support and services, prompt delivery through our fleet of trucks, and an extensive distribution network.

Our best-in-class product development team delivers innovative solutions to installation and cost challenges with products designed to save time, labor, and materials. In addition, we utilize the latest in roll forming techniques, maintain the latest level of technology available to the steel framing industry, and strictly adhere to all ASTM specifications.

Marino\WARE is 100% American-owned and operated. We take pride in creating local jobs, supporting local communities, and manufacturing products that reflect the uncompromising skill and ethics of our professional team. We operate state-of-the-art production facilities in New Jersey, Georgia, and Indiana, as well as a sales office in New York.

Visit MarinoWARE.com to experience our full line of innovative solutions.

For more information, please contact Marino\WARE[®] Technical Services at 866.545.1545

This technical information reflects the most current information available and supersedes any and all previous publications effective December 7, 2024 | MW-Joint Firestopping Catalog I ©WARE Industries, Inc. 2023

Marino\WARE[®] operates state-of-the-art production facilities in New Jersey, Georgia, and Indiana, as well as a sales office in New York.

New Jersey Facility
400 Metuchen Road
South Plainfield, NJ 07080
800.627.4661
908.757.9000
Fax: 908.412.1442

Georgia Facility
777 Greenbelt Parkway
Griffin, GA 30223
800.504.8199
678.688.1312
Fax: 678.688.1379

Indiana Facility
4245 Railroad Avenue
East Chicago, IN 46312
866.636.6002
219.378.7100
Fax: 219.378.7106

New York Sales Office
51 John St. Ste. 1
Babylon, NY 11702
800.627.4667
631.691.2200
Fax: 631.691.1492

Marino\WARE[®] DesignGroup[™]
100 Hendrick Drive, Suite 200
McDonough, GA 30253
866.545.1545
678.688.7780
Fax: 770.507.2605