DEFLECTION DRIFT ANGLE (DDA) FIRE BLOCK

MANUFACTURED BY CERCO

Description

Deflection Drift Angle (DDA) is a composite steel angle with intumescent tape factory applied to the inside leg of the steel angle, the CEMCO DDA is a fire-rated accessory that when combined with the Slotted Track will offer unencumbered movement at the head-of-wall joint in accordance with the UL-2079 "Test for Fire Resistance of Building Joint Systems." The 2-1/2 inch outside leg is manufactured in red steel and labeled for proper identification, and provides up to 2" overall dynamic movement.

Size	Length	Steel Thickness
(in.)	(ft.)	mil (gauge)
3/4 x 2-1/2	10	18 (25)

U.S. Patent 8,595,999

ASTM's & Code Standards

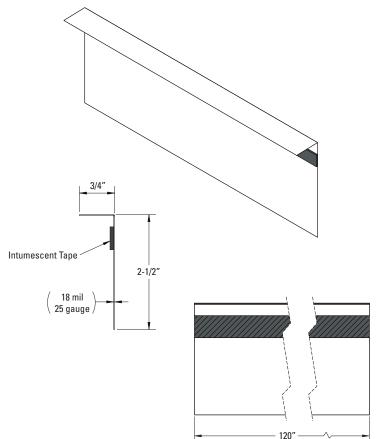
- ASTM A653, C645, A1003, A924
- ASTM E 1966: Standard Test Method of Fire Tests of Firestop Systems
- UL 2079 5th Edition Tests For Fire Resistance of Building Joints
- ASTM E-119 Standard Test Methods for Fire Tests of Building Construction and Material
- Sound Tested in accordance with ASTM E90-09 up to STC 66
- Air leakage tests conducted for compliance with Section 713.6 of IBC and CBC
- ICC-ES 2012

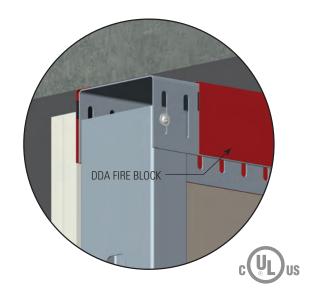
LEED v4 for Building and Design Construction

- 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.

Cold-formed steel framing products contain 30% to 37% recycled steel

- Total Recycled Content: 36.9%
- Post-Consumer: 19.8%
- Pre-Consumer: 14.4%
- UL report #'s HW-D-0514; HW-D-0515; HW-D-0518; HW-D-0524 HW-D-0550; HW-D-0551; HW-D-0553; HW-D-0554; HW-D-0556; HW-D-0579; HW-D-0580; HW-D-0581; HW-D-0582; HW-D-0583; HW-D-0596; HW-D-0620; HW-D-062 HW-D-0652, BW-S-0024; WW-D-0104







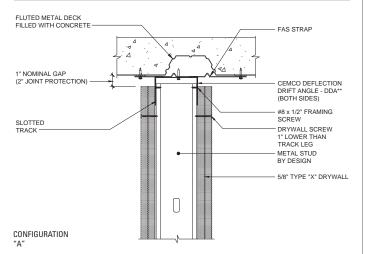
www.MarinoWARE.com

Composite Steel/Intumescent Firestop Framing Assemblies

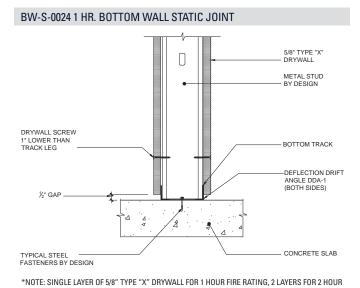
HW-D-0577 2 HR. STANDARD WALL, PERPENDICULAR TO FLUTED DECK FLUTED METAL DECK WITH CONCRETE UL APPROVED FIRE SPRAY OVER MINERAL MINERAL WOOL OR SPRAY FIREPROOFING WOOL (1/2" OVERLAP METAL) ON ONE SIDE ONLY 1/2" TO 1" NOMINAL GAP (2" JOINT PROTECTION) CEMCO DEFLECTION DRIFT ANGLE - DDA (BOTH SIDES) #8 x 1/2" FRAMING SCREW SLOTTED TRACK DRYWALL SCREW 1" LOWER THAN TRACK LEG METAL STUD BY DESIGN 5/8" TYPE "X" DRYWALL

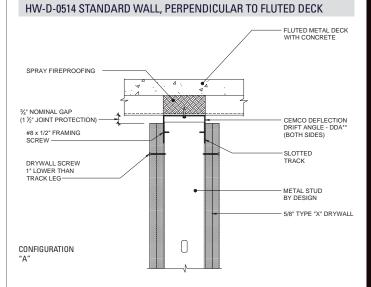
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

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



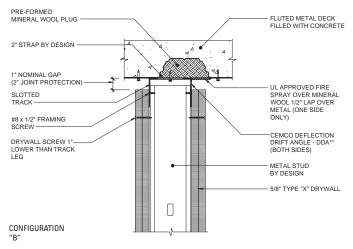
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR



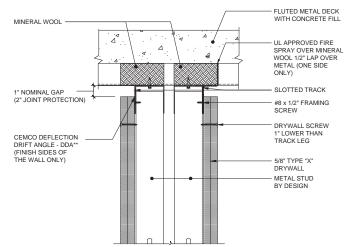


*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0524 2 HR. 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-0580 2 HR. STANDARD CHASE WALL, PERP. TO FLUTED DECK

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

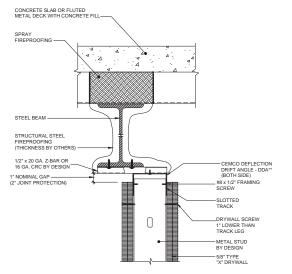
**If the IBC requires UL-2079 5th edition, additional fill material may be needed in the deflection joint

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 May 2, 2018 | CAT_FAS_REV_3_03132018 | © WARE Industries, Inc. 2018 Composite Steel/Intumescent Firestop Framing Assemblies



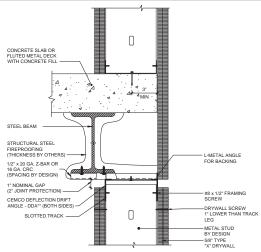
www.MarinoWARE.com

HW-D-0579 2 HR. STANDARD WALL, OFFSET & PARALLEL UNDER BEAM



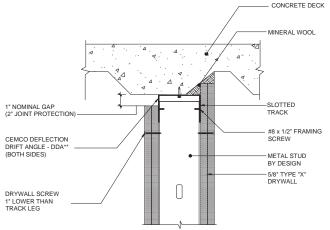
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0579 2 HR. UNDER STAIRWELL SLAB BYPASS @ BEAM



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

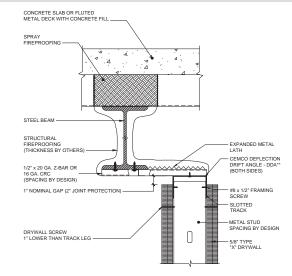
HW-D-0620 2 HR. OFFSET & PARALLEL UNDER FLUTED DECK



CONFIGURATION "B"

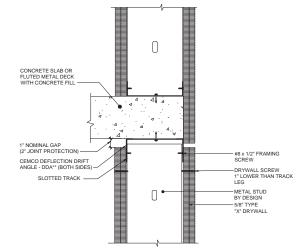
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

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



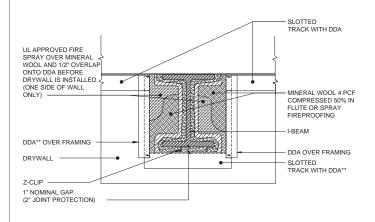
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

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



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

HW-D-0583 2 HR. 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

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

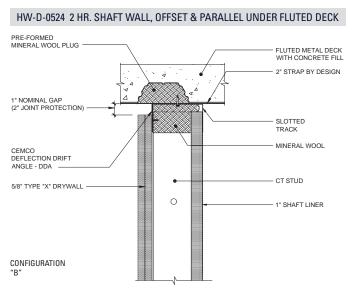
14 For more information, please contact Marino\WARE® Technical Services at 866-545-1545. | This technical information reflects the most current information available and supersedes any and all previous publications effective May 2, 2018 | CAT_FAS_REV_3_03132018 | © WARE Industries, Inc. 2018

Typical Details | Deflection Drift Angle (DDA)



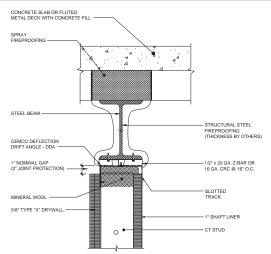
MARINO WARE

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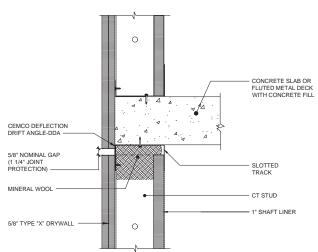


*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

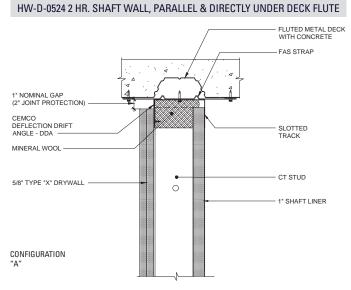




*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

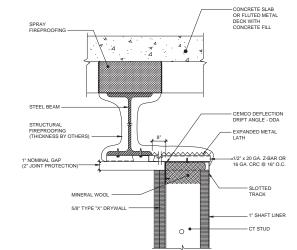


*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR



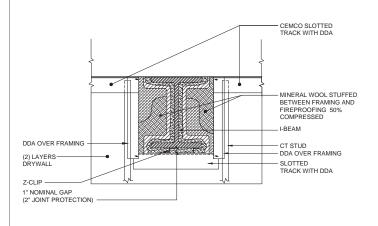
*NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING, 2 LAYERS FOR 2 HOUR

HW-D-0653 2 HR. 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

HW-D-0623 2 HR. 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

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