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PRELUDE® PLUS XL® FIRE GUARD 15/16" Environmental Tee System

Prelude Plus XL Fire Guard 15/16" Environmental Tee System offers maximum protection when severe environmental performance is required.

Key Selection Attributes

- 
Seismic Rx® Suspension System saves time and money; ICC-ES approach to installations (ESR-1308)
- 
PeakForm® patented profile increases strength and stability for improved performance during installation
- SuperLock2™** main beam clip is engineered for a strong, secure connection and fast accurate alignment confirmed with an audible click; easy to remove and relocate (patent pending)
- Main beams and cross tees are minimum G60 hot dipped galvanized coating with pre-finished aluminum capping, as per ASTM A653.
- Rotary-stitched during manufacture by a patented method for additional torsional strength and extra stability during installation.
- UL design fire-rated performance
- System conforms to ASTM C635 for Severe Environmental Performance
- 10-year limited warranty; 30-year with **HumiGuard® Plus**

Typical Applications

- Locker rooms
- Commercial kitchens and food preparation areas
- Indoor harsh environment applications requiring fire rating

Product Description

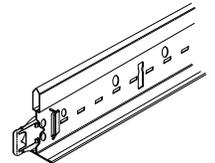
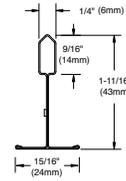
Materials

A. General:

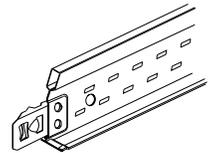
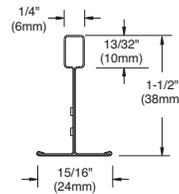
ASTM C635 Heavy-duty main beam classification, commercial-quality hot dipped galvanized steel. All surfaces chemically cleansed, with aluminum capping prefinished in baked polyester paint or anodized.

B. Components:

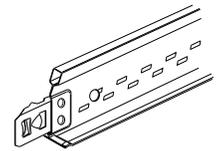
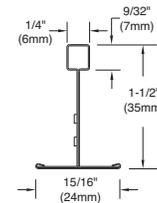
- 1. Main Beams:** Double-web construction, web height 1-11/16" with peaked roof top bulb and 15/16" flange with prefinished aluminum capping; one fire expansion relief per fire rated main beam.
 - HD8201 (144", routs 6" OC, Heavy-duty)
 - Other _____



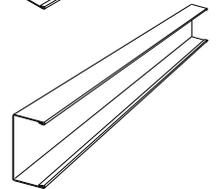
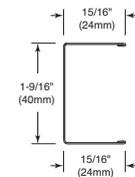
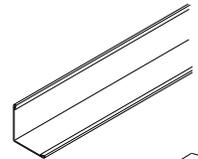
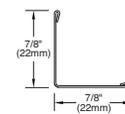
- 2. 4' Cross Tee:** Double-web construction, web height 1-1/2", rectangular top bulb and 15/16" flange with prefinished aluminum cap and override at each end. Staked-on end detail allows easy cross tee removal and remounting.
 - XL8240 (48", routs 12" OC)
 - Other _____



- 3. 2' Cross Tee:** Double-web construction, web height 1-3/8" square top bulb and 15/16" flange with prefinished aluminum cap and override at each end. Staked-on end detail allows easy cross tee removal and remounting.
 - XL8223 (24")
 - Other _____



- 4. Wall Moldings:** Hemmed aluminum-capped angle molding and channel molding with prefinished exposed flanges.
 - HD7801 (120", angle molding, nominal 7/8")
 - HD7831 (120", channel molding)
 - Other _____



PRELUDE® PLUS XL® FIRE GUARD

15/16" Environmental Tee System



Product Description

Material

Double-web hot dipped galvanized steel with aluminum cap

Surface Finish

Baked polyester paint or anodized

Face Dimension

15/16"

Profile

Exposed tee

Cross Tee/Main Beam Interface

Override

End Detail

Main Beam: Staked-on clip

Cross Tee: Staked-on clip

Duty Classification

Heavy-duty

Main Beam Load Test Data

MAIN BEAMS	LENGTH	WEB HEIGHT	ASTM CLASS	HANGER SPACING (Lbs./L.F. Simple Span)**	
				4'	5'
HD8201	144"	1-11/16"	Heavy-duty	16.73	8.73

Cross Tee Load Test Data

CROSS TEE	LENGTH	WEB HEIGHT	HANGER SPACING (Lbs./L.F. Simple Span)**
			4'
XL8223	24"	1-1/2"	38.63
XL8240	48"	1-1/2"	12.74

Seismic Performance

MAIN BEAMS	MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION
HD8201	330.0

CROSS TEES	MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION
XL8223	433.5
XL8240	463.3

Note: Components available for use in all zones and categories.

ICC Reports

For areas under ICC jurisdiction, see ICC evaluation report number 1308 for allowable values and/or conditions of use concerning the suspension system components listed on this page. The report is subject to reexamination, revisions and possible cancellation.

**To derive maximum lbs/sf, divide the on-center spacing of the component into the lbs/lf given in the load test data table.

Color Selection

Finishes

- WA - White Aluminum
 NA - Natural Aluminum

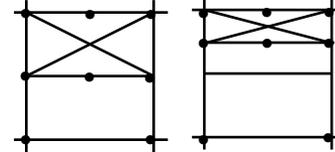
NOTE: Color chips included with samples of Armstrong grid. See your Armstrong representative for sample material.

NOTE: HD8201, XL8240, XL8223 and HD7801 are available in white aluminum and natural only; HD7831 is available in white aluminum only.

Maximum Fixture Weight

A. Main Beam to Main Beam

Main Beam ↑
Hanger Wire (•)



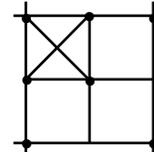
1. Fixture* 24" x 48"
2. Planning Module 48" x 48"
3. Hanger Spacing 48"
4. Item HD8201 70.28 lbs.

1. Fixture* 12" x 48"
2. Planning Module 48" x 48"
3. Hanger Spacing 48"
4. Item HD8201 65.23 lbs.

Main beam tested as follows: HD8201 tested at 16.5 lbs./lin. ft. to 1/360 of 4' span.

B. Cross Tee to Cross Tee

Main Beam ↑
Hanger Wire (•)



1. Fixture* 24" x 48"
2. Planning Module 48" x 48"
3. Hanger Spacing 48"
4. Item XL8240 57.5 lbs.

48" cross tee tested at 13.34 lbs./lin. ft. to 1/360 of 4' span.

NOTE: The above data is based on 48" hanger wire spacing, board weight of 1 lb./sq. ft., maximum deflection of tees not to exceed 1/360 of the span, and suspension system installed in accordance with ASTM C 636.

Fixture weight is based on single fixture only. For end-to-end fixtures or other configurations not shown, consult your Armstrong representative.

NOTE: Light fixture loads are based on cold loading only. No determination was made for loading under fire conditions. Consult the UL Directory for specific design applications.

*Fixtures weighing more than 56 lbs. should be independently supported.