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# PRELUDE® XL

## 15/16" Exposed Tee System



### 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
- **SuperLock™2** main beam clip is engineered for a strong, secure connection and fast accurate alignment confirmed with an audible click; easy to remove and relocate
- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized or painted systems
- Rotary-stitched during manufacture by a patented method for additional torsional strength and extra stability during installation
- XL<sup>2</sup> staked-on stab end detail provides tight, secure locked connection; easy to remove, reuse and relocate
- State-of-the-art expansion relief on Fire Guard™ options; provides greater strength and prohibits distortion of grid face during installation
- 10-year limited warranty; 30-year with **HumiGuard® Plus**

### Typical Applications

- Retail
- Education
- Offices
- Hospitality
- Fire Guard applications based on building construction and local fire code requirements

### Color Selection

- |  |  |
|--|--|
| <input type="checkbox"/> WH - White          | <input type="checkbox"/> ST - Slate        |
| <input type="checkbox"/> HA - Haze           | <input type="checkbox"/> WK - Wolf†        |
| <input type="checkbox"/> VA - Vanilla†       | <input type="checkbox"/> WA - White        |
| <input type="checkbox"/> CM - Camel          | Aluminum                                   |
| <input type="checkbox"/> YS - Oyster†        | <input type="checkbox"/> NA - Natural      |
| <input type="checkbox"/> PL - Platinum       | Aluminum                                   |
| <input type="checkbox"/> AD - Adobe†         | <input type="checkbox"/> SA - Silver Satin |
| <input type="checkbox"/> AR - Brass          | <input type="checkbox"/> HDC - Hot Dipped  |
| <input type="checkbox"/> AM - Mirror         | Clear Coat                                 |
| <input type="checkbox"/> BL - Tech Black     | <input type="checkbox"/> PW - Pewter†      |
| <input type="checkbox"/> SG - Silver Grey    | <input type="checkbox"/> BZ - Bronze†      |
| <input type="checkbox"/> MY - Gun Metal Grey | <input type="checkbox"/> SL - Silver†      |

† Only available on 7301, XL7342, XL7328, and 7800  
NOTE: Color chips included with samples of Armstrong grid. See your Armstrong representative for sample material.

NOTE: Items 7305, 7302, XL7340, XL7380, XL7357, XL7358, XL7128, XL7148, XL7348, XL7330, XL7318, XL7368, XL7378, XL7390, XL8320, XL8341, XL7341 are available in white only.

NOTE: 8300, XL8340 and XL8323 are available in white and black only.

### Product Description

#### Materials

**A. General:** ASTM C635 (Intermediate-duty) (Heavy-duty) main beam classification, commercial-quality hot dipped galvanized steel. Exposed surfaces chemically cleaned, galvanized steel or aluminum capping prefinished in baked polyester paint or anodized.

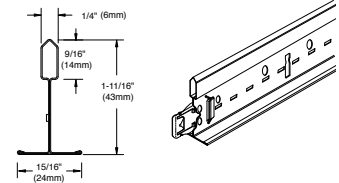
#### B. Components:

**1. Main Beams:** Double-web construction, web height 1-11/16" with peaked roof top bulb and 15/16" bottom flange with prefinished steel or aluminum capping\*; one fire expansion relief per fire rated main beam.

- 7300 (144", routs 6" OC, Intermediate-duty)
- 7301 (144", routs 6" OC, Heavy-duty)
- 7302 (120", routs 6" OC, Intermediate-duty)
- 7305 (140", routs 10" OC, Intermediate-duty)
- 734032 (3600mm, routs 150mm OC, Intermediate-duty)

#### Fire Guard Items

- 8300 (144", routs 6" OC, Intermediate-duty)
- 8301 (144", routs 6" OC, Heavy-duty)
- 834033 (3600mm, routs 150mm OC, Intermediate-duty)
- Other \_\_\_\_\_



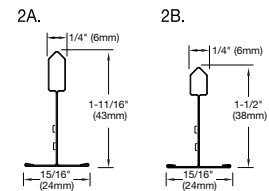
\* NOTE: Fire Guard items available in steel capping only.

**2A. Cross Tee:** Double-web construction, web height 1-11/16", 15/16" bottom flange with prefinished steel or aluminum capping and override at each end. Staked-on end detail allows easy cross tee removal and remounting.

- XL7340 (48", routs 12" OC)
- XL7341 (48", routs 12" OC)
- XL7330 (36")
- XL7380 (96", routs 12" OC)
- XL7357 (60", routs 6" OC)
- XL7358 (60", routs 20" OC)
- XL7390 (72", routs 12" OC)

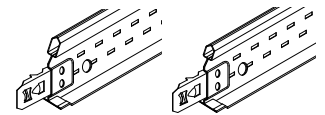
#### Fire Guard Items

- XL8320 (24")
- XL8340 (48", routs 12" OC)
- XL8341 (48", routs 12" OC)
- 833033 (1200mm, routs 300mm OC)
- Other \_\_\_\_\_



**2B. Cross Tee:** Double-web construction, web height 1-1/2", 15/16" bottom flange with prefinished steel or aluminum capping and override at each end. Staked-on end detail allows easy cross tee removal and remounting.

- XL7342 (48", routs 12" OC)

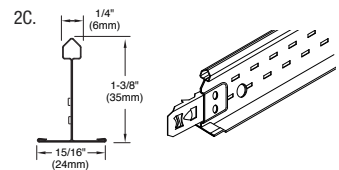


**2C. Cross Tee:** Double-web construction, web height 1-3/8", 15/16" bottom flange with prefinished steel or aluminum capping and override at each end. Staked-on end detail allows easy cross tee removal and remounting.

- XL7318 (12")
- XL7368 (20")
- XL7328 (24")
- XL7378 (30")
- XL7348 (48")
- 312451 (300mm, center rout)
- 312051 (600mm)
- 313051 (1200mm, center rout)

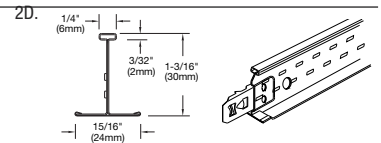
#### Fire Guard Items

- XL8323 (24")
- 832052 (600mm)
- Other \_\_\_\_\_



**2D. Cross Tee:** Double-web construction, web height 1-3/16", 15/16" bottom flange with prefinished steel cap and override at each end. Staked-on end detail allows easy cross tee removal and remounting.

- XL7148 (48", routs 12" OC)
- XL7128 (24")



#### Wall Moldings:

**3A. Angle molding:** hemmed with prefinished exposed flanges

Item #	Length	(A) Flange	(B) Height
<input type="checkbox"/> 7800	144"	7/8"	7/8"
<input type="checkbox"/> 7807	120"	2"	1"
<input type="checkbox"/> 7808	120"	2"	2"
<input type="checkbox"/> HD7801	120"	7/8"	7/8"

**3B. Shadow molding:** hemmed with prefinished exposed flanges

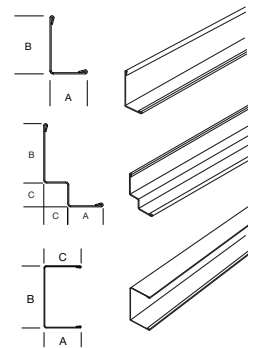
Item #	Length	(A) Flange	(B) Height	(C) Reveal
<input type="checkbox"/> 7875	120"	3/4"	15/16"	1/2"

**3C. Shadow Molding:** (Compatible with Seismic Rx® and BERC 2)

<input type="checkbox"/> 7877	120"	15/16"	15/16"	1/4"
<input type="checkbox"/> 7878	120"	15/16"	15/16"	3/8"
<input type="checkbox"/> 7897	120"	15/16"	15/16"	1/2"

**3D. Channel molding:** hemmed with prefinished exposed flanges

Item #	(A) Length	(B) Flange	(C) Height	Flange
<input type="checkbox"/> 7835	120"	7/8"	1-3/4"	9/16"



# PRELUDE® XL

## 15/16" Exposed Tee System

### Physical Data

#### Material

Hot dipped galvanized steel

#### 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

XL Cross Tee: Staked-on clip

#### Duty Classification

Intermediate or Heavy-duty

### Main Beam Load Test Data

MAIN BEAMS	LENGTH	WEB HEIGHT	ASTM CLASS	HANGER SPACING Lbs./L.F. (Simple Span)**	
				4'	5'
7300	144"	1-11/16"	Intermediate-duty	12.8	6.35
7301	144"	1-11/16"	Heavy-duty	16.5	8.73
734032	144"	1-11/16"	Intermediate-duty	12.8	6.35
8300/834033	144"	1-11/16"	Intermediate-duty	12.8	6.35
8301	144"	1-11/16"	Heavy-duty	16.5	8.73
7302	120"	1-11/16"	Intermediate-duty	12.8	6.35
7305	140"	1-11/16"	Intermediate-duty	12.8	6.35

### Cross Tee Load Test Data

CROSS TEES	LENGTH	WEB HEIGHT	HANGER SPACING Lbs./L.F. (Simple Span)**	
			4'	5'
XL7318/312451	12"	1-3/8"	40.45	
XL7368	20"	1-3/8"	40.45	
XL7128	24"	1-3/16"	33.0	
XL7328/312051	24"	1-3/8"	40.45	
XL8323/832052	24"	1-3/8"	40.45	
XL8320	24"	1-11/16"	61.33	
XL7378	30"	1-3/8"	16.54	
XL7330	36"	1-11/16"	23.11	
XL7148	48"	1-3/16"	6.0	
XL8340/833033/ XL7340	48"	1-11/16"	12.25	
XL7341/XL8341	48"	1-1/2"	16.59	
XL7342	48"	1-1/2"	9.00	
XL7348/313051	48"	1-3/8"	8.31	
XL7357	60"	1-11/16"	7.61	
XL7358	60"	1-11/16"	7.61	
XL7380	96"	1-11/16"	12.12	
XL7390	72"	1-11/16"	12.23	

### Seismic Performance

MINIMUM LBS. TO PULL OUT  
COMPRESSION/TENSION

MAIN BEAMS  
7300, 7302, 7305,  
734032, 8300

335.0

7301, 8301

330.0

CROSS TEES

MINIMUM LBS. TO PULL OUT  
COMPRESSION/TENSION

All XL cross tees exceed 300 lbs. in both compression and tension.

### 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.

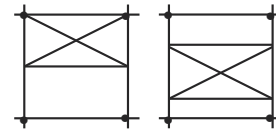
\*\*To derive maximum lbs/SF, divide the on-center spacing of the component into the lbs/LF given in the load test data table.

### Maximum Fixture Weight

#### LIGHT FIXTURE A. Main Beam to Main Beam

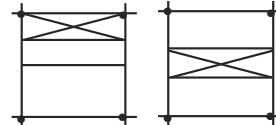
Main Beam ↑  
Hanger Wire (•)

1. Fixture\*
2. Planning Module
3. Hanger Spacing
4. Item 7300/8300  
7302  
Item 7301/8301



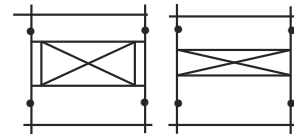
- |            |            |
|------------|------------|
| 24" x 48"  | 24" x 48"  |
| 48" x 48"  | 48" x 48"  |
| 48"        | 48"        |
| 69.27 lbs. | 49.27 lbs. |
| 100.0 lbs. | 72.32 lbs. |

1. Fixture\*
2. Planning Module
3. Hanger Spacing
4. Item 7300/8300  
7302  
Item 7301/8301



- |            |            |
|------------|------------|
| 12" x 48"  | 12" x 48"  |
| 48" x 48"  | 48" x 48"  |
| 48" x 48"  | 48"        |
| 54.26 lbs. | 47.17 lbs. |
| 100.0 lbs. | 63.32 lbs. |

1. Fixture\*
2. Planning Module
3. Hanger Spacing
4. Item 7300/8300  
7305  
Item 7301/8301



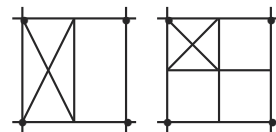
- |            |            |
|------------|------------|
| 24" x 48"  | 20" x 60"  |
| 60" x 60"  | 60" x 60"  |
| 48" x 48"  | 43.21 lbs. |
| 56.47 lbs. | 65.46 lbs. |

Main Beams tested as follows: 7300 tested at 13.0 lbs./LF to 1/360 of 4' span; 7301 tested at 16.5 lbs./LF to 1/360 of 4' span.

#### LIGHT FIXTURE B. Cross Tee to Cross Tee

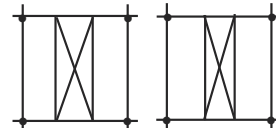
Main beams ↑  
Hanger Wire (•)

1. Fixture\*
2. Planning Module
3. Hanger Spacing
4. Item XL8340/XL7340
5. Item XL8341/XL7341



- |            |            |
|------------|------------|
| 24" x 48"  | 24" x 24"  |
| 48" x 48"  | 48" x 48"  |
| 48"        | 48"        |
| 69.27 lbs. | 80.55 lbs. |
| 40.89 lbs. | 52.26 lbs. |
| 81.67 lbs. | 100.0 lbs. |

1. Fixture\*
2. Planning Module
3. Hanger Spacing
4. Item XL8340/XL7340
5. Item XL8341/XL7341



- |            |            |
|------------|------------|
| 24" x 48"  | 12" x 48"  |
| 48" x 48"  | 48" x 48"  |
| 48"        | 48"        |
| 49.27 lbs. | 42.17 lbs. |
| 72.32 lbs. | 63.32 lbs. |

\*Fixtures weighing more than 56 lbs. should be independently supported. Fixture weight is based on single fixture only. For end-to-end fixtures or other configurations not shown, consult your Armstrong representative.

NOTE: The above data is based on 48" hanger wire spacing, board weight of 1 lb./SF, maximum deflection of tees not to exceed 1/360 of the span, and suspension system installed in accordance with ASTM C636.