

# PRELUDE® Plus XL® Stainless Steel

## Environmental Tee Suspension System



24/7  
**DEFEND™**  
Solutions for Healthier,  
Safer Spaces

CONTAIN CLEAN PROTECT



▲ Prelude Plus XL steel suspension system

This steel 15/16" suspension system is designed for severe environmental performance.

### KEY SELECTION ATTRIBUTES

- Seismic Rx® Suspension System saves time and money; an ICC-ES approach to installations (ESR-1308)
- Systems conform to ASTM C635 for severe environmental performance
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim (Cleaning and CDC-approved disinfecting options available on [armstrongceilings.com/cleaning](http://armstrongceilings.com/cleaning))
- 10-Year Limited Warranty; 30-Year Limited Warranty with HumiGuard® Plus or HumiGuard® Max products
- Special sizing and rout spacing available
- Rotary-stitching during manufacture by a patented method for additional torsional strength and extra stability during installation

- XL® staked-on end detail provides secure locked connection
- Type 304, non-magnetic, stainless steel; withstands corrosive agents
- Peel-off protective film on exposed surfaces prevents scuffing and marking

### COLORS



### TYPICAL APPLICATIONS

- Food preparation, storage, manufacturing, and packaging areas
- Laboratories
- Chemical processing
- Shower rooms

### VISUAL SELECTION

Item No. ◆	Description	Dimensions (Inches)	HANGER SPACING* LBS./LFT				
			2 Ft.	4 Ft.	5 Ft.		
PRELUDE® Plus XL® Stainless Steel 15/16"	SS7200	12' LD Main Beam	144 x 15/16 x 1-1/2"	38.63	N/A	N/A	
	XLSS7240	4' Cross Tee	48 x 15/16 x 1-1/2"	N/A	N/A	N/A	
	XLSS7220	2' Cross Tee	24 x 15/16 x 1-1/2"	61.66	N/A	N/A	
Molding	SS7801	10' Hemmed Angle Molding (7/8")	120 x 7/8 x 7/8"	N/A	N/A	N/A	
Other Sizes	Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Rout spacing 3" from ends, 6" thereafter						
Accessories	BERC2	Steel Beam End Retaining Clip		N/A	N/A	N/A	

### PERFORMANCE

Fire Guard™ Seismic Category	CleanAssure™ Disinfectable Grid		
	Fog	Spray	Wipe
DEF	•	•	•

### PACKAGING

Pieces/ Carton	LFT/ Carton
20	240
60	240
60	120
30	300
Varies	Varies
200	N/A

Dots represent high level of performance.

ASTM Class  
HD - Heavy-duty  
ID - Intermediate-duty  
LD - Light-duty

\* Simple Span

◆ Add 2-letter color suffix to item number when specifying or ordering (ex. SS7200 N A)



SUSPENSION SYSTEMS – Standard

# PRELUDE® Plus XL® Stainless Steel Environmental Tee Suspension System

**LEED® WELL™ LBC**







**30% RECYCLED CONTENT**

energy management  
construction waste mgmt  
regional materials  
design for flexibility  
EPD  
recyclable/excise producer resp.  
biobased materials  
recycled content  
sourcing of raw materials  
material ingredient reporting  
low emitting materials  
lighting quality  
acoustics

Calculate sustainability with GreenGenie™  
armstrongceilings.com/greengenie

LOCATION DEPENDENT

## MAXIMUM FIXTURE WEIGHT Drawing Key: Main beam (↑) Cross tee (---) Hanger wire (↔)

Configuration	Item No.	Fixture			Planning Module			Hanger Spacing			Maximum Weight		
		A	B	C	A	B	C	A	B	C	A	B	C
  	<b>SS7200</b>	24" x 48"	24" x 48"	12" x 48"	48" x 48"	48" x 48"	48" x 48"	48"	48"	48"	72.0 lbs.	72.0 lbs.	72.0 lbs.
  	<b>XLSS7240</b>	24" x 48"	24" x 24"	24" x 48"	48" x 48"	48" x 48"	48" x 48"	48"	48"	48"	59.0 lbs.	41.0 lbs.	59.0 lbs.

Main Beams tested as follows: Main beams tested at 12.6 lbs./lin. ft. to 1/360 of 4' span.

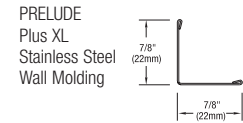
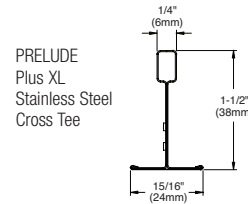
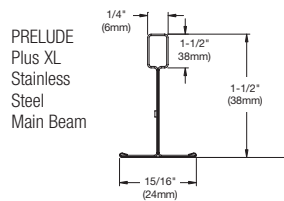
Cross tees tested as follows: 48" Cross tee tested at 14.9 lbs./lin. ft. to 1/360 of 4' span.

\* 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./sq. ft., maximum deflection of tees not to exceed 1/360 of the span, and suspension system installed in accordance with ASTM C636.

## DETAILS For more information, see submittal BPCS-3154 (Prelude Plus XL Stainless Steel).



PRELUDE® Plus XL®  
Stainless Steel  
Cross Tee



## SEISMIC PERFORMANCE

Main Beams	Minimum Lbs. to Pull Out Compression/Tension 4'
<b>SS7200</b>	330.0
<b>XL7240/7220</b>	222.0

NOTE: Requires use of #6 Phillips self-tapping screw through cross tee end detail.

### ICC Reports

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

## MAIN BEAM LOAD TEST DATA

Main Beams	Length	Web Height	ASTM Class	Hanger Spacing (Lbs./LF. Simple Span)**	
				4'	5'
<b>SS7200</b>	144"	1-1/2"	Intermediate-duty	12.23	5.4

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

## CROSS TEE LOAD TEST DATA

Cross Tees	Length	Web Height	Hanger Spacing (Lbs./LF. Simple Span)**
			4'
<b>XLSS7220</b>	24"	1-1/2"	61.66
<b>XLSS7240</b>	48"	1-1/2"	10.4

## PHYSICAL DATA

**Material**  
Double-web Type 304 stainless steel with polished stainless steel cap

**Surface Finish**  
Polished stainless steel

**Face Dimension**  
15/16"

Manufactured and tested in accordance with ASTM C636

**Profile**  
Exposed tee

**Cross Tee/Main Beam Interface**  
Override

**End Detail**  
Main Beam: Coupling  
Cross Tee: Staked-on XL Clip

**Duty Classification**  
Intermediate-duty