

PRELUDE® Concealed Tee System

UP TO **25%** RECYCLED CONTENT

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LEED®

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- material incident reporting
- low emitting materials
- lighting quality
- acoustics

LOCATION DEPENDENT



KEY SELECTION ATTRIBUTES

- **PeakForm®** profile increases strength and stability for improved performance during installation
- **SuperLock™** main beam clip is engineered for a strong, secure connection and fast, accurate alignment confirmed with an audible click; easy to remove/relocate
- Hot dipped galvanized coating inhibits red rust better than electrogalvanized or painted systems
- 10-year limited warranty; 30-year limited warranty with **HumiGuard® Plus** products

TYPICAL APPLICATIONS

- Older buildings with minimal overhead clearance

VISUAL SELECTION

PERFORMANCE

PACKAGING

Item No.	Face Profile	Description	Dimensions (Inches)	Route Spacing	Hanger Spacing*		Fire Guard™	Seismic Category	Pcs./ Ctn.	Lin. Ft./ Ctn.
					4 Ft.	5 Ft.				
Prelude Concealed					4 Ft.	5 Ft.	Dots represent high level of performance.			
<input type="checkbox"/> 7301	15/16"	12' HD Main Beam	144 x 15/16 x 1-11/16"	6" O.C.	16.50	8.73	–	–	20	240
<input type="checkbox"/> 7300	15/16"	12' ID Main Beam	144 x 15/16 x 1-11/16"	6" O.C.	12.80	6.35	–	–	20	240
<input type="checkbox"/> ML7343	15/16"	4' Cross Tee	48 x 15/16 x 1-1/2"	12" O.C.	9.00	–	–	–	60	240
<input type="checkbox"/> XL7342	15/16"	4' Cross Tee	48 x 15/16 x 1-1/2"	12" O.C.	9.00	–	–	–	60	240
<input type="checkbox"/> ML7323	15/16"	2' Cross Tee	24 x 15/16 x 1-1/2"	24" O.C.	38.63	–	–	–	60	120
<input type="checkbox"/> XL7328	15/16"	2' Cross Tee	24 x 15/16 x 1-3/8"	24" O.C.	38.63	–	–	–	60	120
<input type="checkbox"/> 7449RI	7/16"	4' Single Leaf Tee – Right	48 x 7/16 x 1-1/4"	–	–	–	–	–	75	300
<input type="checkbox"/> 7446	3/4"	4' Tee Spline	48 x 3/4 x 7/8"	–	–	–	–	–	125	500
<input type="checkbox"/> 7436	3/4"	3' Tee Spline	36 x 3/4 x 7/8"	–	–	–	–	–	125	375
<input type="checkbox"/> 7426	7/8"	2' Tee Spline	24 x 3/4 x 7/8"	–	–	–	–	–	125	250
<input type="checkbox"/> 7447	7/16"	4' Concealed Angle	48 x 7/16 x 1-1/4"	–	–	–	–	–	75	300
<input type="checkbox"/> 7437	7/16"	3' Concealed Angle	36 x 7/16 x 1-1/4"	–	–	–	–	–	100	300
<input type="checkbox"/> 7427	7/16"	2' Concealed Angle	24 x 7/16 x 1-1/4"	–	–	–	–	–	150	300

Item No.	Description	Length	(A) Flange	(B) Flange	(C) Flange	Pcs./ Ctn.	Lin. Ft./ Ctn.
Suggested Wall Moldings and Shadow Moldings							
<input type="checkbox"/> 7835	12' Hemmed Angle Molding	120"	7/8"	1-3/4"	9/16"	20	200
<input type="checkbox"/> 7830	12' Hemmed Angle Molding	120"	15/16"	1-15/16"	15/16"	30	360

PRELUDE® Concealed Tee System

MAXIMUM FIXTURE WEIGHT

Item No.	Configuration			Fixture*			Planning Module			Hanger Spacing			Maximum Weight		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Main Beam to Main Beam															
<input type="checkbox"/> 7300				24" x 48"	12" x 48"	24" x 48"	48" x 48"	48" x 48"	48" x 48"	48"	48"	48"	54.26 lbs.	42.17 lbs.	49.27 lbs.
<input type="checkbox"/> 7301				•	•	•	•	•	•	•	•	•	•	•	•
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.															
Cross Tee to Cross Tee															
<input type="checkbox"/> ML7343		24" x 48"			48" x 48"†			48"			51.0 lbs.				
<input type="checkbox"/> XL7342		•	•			•			•			40.89 lbs.			
Cross tees tested as follows: ML7343 tested at 9.00 lbs./lin. ft. to 1/360 of 4' span.															

Main Beam ↑ Hanger Wire (•)

† Locking tees 4' O.C. and at fixtures.

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

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

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.

COLOR SELECTION

White (Wh)



7301, 7300, ML7343, XL7342, ML7323, XL7328, 7835, 7830, DAC

Unpainted

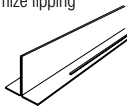


7425, 7445, 7449RI, 7446, 7870, 7436, 7428, 7426, 7418, 7447, 7486, 7437, 7427

ACCESSORIES

Tee Spline: Spans distance between main beams or cross tees to support tile. Ribbed flange to minimize lipping

- 7426 (24", 7/8" web, 3/4" flange)
- 7436 (36", 7/8" web, 3/4" flange)
- 7446 (48", 7/8" web, 3/4" flange)
- Other



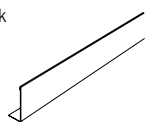
Border Clip: Installs between ceiling tiles and perimeter closures.

- 73870
- Other



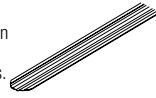
Concealed Angle: Use with access hook to support tile.

- 7427 (24", 1-1/4", 7/16")
- 7437 (36", 1-1/4", 7/16")
- 7447 (48", 1-1/4", 7/16")
- Other



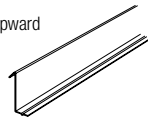
Breather Spline: Prevents breathing in tiles installed without main beams, cross tees, splines, access members. Ribbed to minimize tile lipping.

- 7486 (11")
- Other



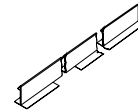
Access Hook: Supports tile, provides upward access to plenum.

- 7418 (12")
- 7428 (24")
- Other



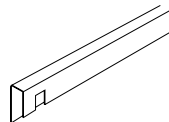
Single Leaf Tee: Use with Access Hook 7418.

- 7449-LE (48", 1-1/4", 7/16", left)
- 7449-RI (48", 1-1/4", 7/16", right)
- Other



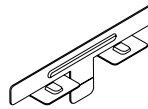
Stabilizer Bar: Aligns main beams 24" and 48" O.C.

- 7425 (24")
- 7445 (48", center notched)
- Other



Downward Access Clip:

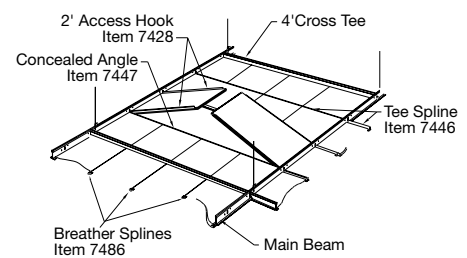
- DAC



DETAILS

For more information, see submittal BPCS-3347.

PRELUDE Concealed Tee System



SEISMIC PERFORMANCE

Main Beams

7300, 7301

Minimum Lbs. To Pull Out Compression/Tension
255.0

Cross Tees

XL7342, XL7328, ML7343, ML7323

Minimum Lbs. To Pull Out Compression/Tension
Exceeds 300 lbs. in compression/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.

PHYSICAL DATA

Material
Hot dipped galvanized steel

Surface Finish

Cross Tee/Main Beam: Baked polyester paint
Concealed Components: Unpainted steel

Manufactured and tested in accordance with ASTM C635

End Detail for 1-1/2"

Main Beam: 7300, 7301 – Staked-on clip
XL Cross Tees: Staked-on clip
ML Cross Tees: Staked-on hook

Duty Classification

Intermediate or Heavy-duty
Main Beam Load Test Data

Main Beam Load Test Data

Main Beams	Length	Web Height	ASTM Class	Hanger Spacing (Lbs./LF, Simple Span)**	
				4'	5'
7300	144"	1-11/16"	Intermediate-duty	12.8	6.9
7301	144"	1-11/16"	Heavy-duty	16.7	9.0

Cross Tee Load Test Data

ML7323	24"	1-1/2"	–	38.63
ML7343	48"	1-1/2"	–	9.00
XL7328	24"	1-3/8"	–	40.45
XL7342	48"	1-1/2"	–	9.00