

SILHOUETTE® XL® 1/4" Reveal

9/16" Slotted Tee System

DeclareSM
Living Building
Challenge Compliant

SUSTAIN[®]
High Performance
Sustainable
Ceiling Systems



Calculate LEED contribution at
armstrongceilings.com/greengenie



KEY SELECTION ATTRIBUTES

- Seismic Rx® Suspension System saves time and money; offer an ICC-ES approach to installations (ESR-1308)
- Silhouette is part of the Sustain® portfolio and meets the most stringent sustainability compliance standards today
- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized or painted systems
- Some items available in metric sizes
- Rotary-stitched during manufacture for additional torsional strength and extra stability during installation; maintains size and shape of reveal when cutting perimeter cross tees
- XL² staked-on end detail provides secure locked connection
- Available with black reveal
- 10-Year Limited System Warranty; 30-Year Limited Ceiling Systems Warranty when used with HumiGuard® Plus products
- Made-to-Order main beams and cross tees can be ordered for your project needs in one carton minimums

NOTE: Additional Silhouette 1/4" reveal items for TechZone® Integrated Ceiling Systems are listed in the TechZone Technical Guide (BPCS-4486). Available online at armstrongceilings.com/techzone

TYPICAL APPLICATIONS

- Offices
- Education
- Retail
- Hospitality

Blizzard White powder-coated finish coordinates perfectly with Lyra®, Calla®, Optima® and Ultima® ceiling panels for a clean, seamless, monolithic installed visual.

Linear lighting integration is easy with made-to-order main beam-to-cross tee adapters, rout spacing, miter spacing, and short cross tees (3" to 6" lengths).

VISUAL SELECTION

PERFORMANCE

PACKAGING

Fire Guard™	Seismic Category	Pcs./ Ctn.	Lin.Ft./ Ctn.
Dots represent high level of performance.			
—	•	20	240
—	•	20	240
—	—	20	240
—	—	20	200
—	—	20	240
—	—	20	200
—	•	20	160
—	•	20	120
—	•	30	150
—	•	30	150
—	•	30	150
—	•	30	150
—	•	60	240
—	•	60	240
—	•	60	240
—	•	60	150
—	•	60	120
—	•	120	120
—	•	60	30
—	•	60	20
		Varies	Varies

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

Item No.	Face Profile	Description	Rout Spacing	Notching	Dimensions (Inches)	Hanger Spacing* Lbs./Lin. Ft.
Silhouette XL – 1/4" Reveal						4 Ft. 5 Ft.
□ 7601_ _ ♦	9/16"	12" HD Main Beam – Notched 24" O.C.	24" O.C.		144 x 9/16 x 1-3/4"	16.35 7.80
□ 7612_ _ ♦	9/16"	12" HD Main Beam – Unnotched	—		144 x 9/16 x 1-3/4"	16.35 7.80
□ 7600_ _ ♦	9/16"	12" ID Main Beam – Notched 24" O.C.	24" O.C.		144 x 9/16 x 1-3/4"	13.10 6.61
□ 7602_ _ ♦	9/16"	10" ID Main Beam – Notched 24" O.C.	24" O.C.		120 x 9/16 x 1-3/4"	13.10 6.61
□ 7603_ _ ♦	9/16"	12" ID Main Beam – Notched 48" O.C.	48" O.C.		144 x 9/16 x 1-3/4"	13.10 6.61
□ 7606_ _ ♦	9/16"	10" ID Main Beam – Notched 30" O.C.	30" O.C.		120 x 9/16 x 1-3/4"	13.10 6.61
□ XL7680_ _ ♦	9/16"	8' Cross Tee – Unnotched	—		96 x 9/16 x 1-3/4"	12.59** —
□ XL7690_ _ ♦	9/16"	6' Cross Tee – Unnotched	—		72 x 9/16 x 1-3/4"	12.59** —
□ XL7650_ _ ♦	9/16"	5' Cross Tee – Unnotched	—		60 x 9/16 x 1-3/4"	— 6.09
□ XL7655_ _ ♦	9/16"	5' Cross Tee – Center-notched, both sides	—		60 x 9/16 x 1-3/4"	— 5.71
□ XL7654_ _ ♦	9/16"	5' Cross Tee – Notched, both sides at 20", 40"—	—		60 x 9/16 x 1-3/4"	— 5.71
□ XL7651_ _ ♦	9/16"	5' Cross Tee – Notched, one side at 20", 40" —	—		60 x 9/16 x 1-3/4"	— 5.71
□ XL7640_ _ ♦	9/16"	4' Cross Tee – Unnotched	—		48 x 9/16 x 1-3/4"	13.53 —
□ XL7645_ _ ♦	9/16"	4' Cross Tee – Center-notched, both sides	—		48 x 9/16 x 1-3/4"	12.85 —
□ XL7646_ _ ♦	9/16"	4' Cross Tee – Center-notched, one side	—		48 x 9/16 x 1-3/4"	13.21 —
□ XL7670_ _ ♦	9/16"	30" Cross Tee – Unnotched	—		30 x 9/16 x 1-3/4"	39.86 @ 2.5' —
□ XL7620_ _ ♦	9/16"	2' Cross Tee – Unnotched	—		24 x 9/16 x 1-3/4"	69.69 71.66 @ 2'
□ XL7610_ _ ♦	9/16"	1' Cross Tee – Unnotched	—		12 x 9/16 x 1-3/4"	69.69 71.66
□ XL7606_ _ ♦	9/16"	6" Cross Tee – Unnotched	—		6 x 9/16 x 1-3/4"	— —
□ XL7604_ _ ♦	9/16"	4" Cross Tee – Unnotched	—		4 x 9/16 x 1-3/4"	— —

Size Capabilities	Main Beams Length	Cross Tees Length
9/16" 1CTN MIN Made-to-Order Sizes or Colors (2 Wks)	36" – 144" Rout spacing 3" from ends, 6" thereafter NOTE: Up to 6 Weeks for Color & Size Combinations	6" – 144"

Made-to-Order main beams and cross tees can be ordered with special sizes, rout spacing, and colors for your project needs in one carton minimums.

SILHOUETTE® XL® 1/4" Reveal

9/16" Slotted Tee System

VISUAL SELECTION

Item No.	Description	Length	(A) Flange	(B) Flange	(C) Flange	Pcs./ Ctn.	Lin. Ft./ Ctn.
Suggested Wall Moldings and Shadow Moldings Additional molding options available. See armstrongceilings.com/suspensionsystems (search: accessories and moldings)							
<input type="checkbox"/> 7804 _ ♦	12' Hemmed Angle Molding	144"	9/16"	7/8"	—	30	360
<input type="checkbox"/> 7873 _ ♦	10' Shadow Molding	120"	9/16"	15/16"	3/8"	30	300
<input type="checkbox"/> 7878 _ ♦***	10' Seismic Shadow Molding	120"	15/16"	15/16"	3/8"	30	300

* Simple Span

** Wire at 4'

*** Suitable for Category D, E, F Seismic Installation with BERC2 clip

♦ Items available in Standard and Blizzard White powder-coated finish

♦ Items available in Blizzard White powder-coated finish only

When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7301BL – Tech Black)

MAXIMUM FIXTURE WEIGHT

Configuration		Item No.	Fixture		Planning Module		Hanger Spacing		Maximum Weight	
A	B		A	B	A	B	A	B	A	B
Main Beam to Main Beam – Drawing Key: Main beam (↑) Cross tee (---) Hanger wire (↗)										
		7600/7602 7601	24" x 48"	24" x 48"	48" x 48"	48" x 48"	48"	48"	73.0 lbs. 76.0 lbs.	73.0 lbs. 76.0 lbs.
			24" x 48"	24" x 48"	48" x 48"	48" x 48"	48"	48"	75.0 lbs. 75.0 lbs.	75.0 lbs. 75.0 lbs.

Main beams tested as follows: 7600 tested at 13.1 lbs/LF to 1/360 of 4' span; 7601 tested at 16.35 lbs/LF to 1/360 of 4' span.

Cross Tee to Cross Tee – Drawing Key: Main beam (↑) Cross tee (---) Hanger wire (↗)

		XL7645 XL7646	24" x 48"	24" x 48"	48" x 48"	48" x 48"	48"	48"	59.0 lbs. 59.0 lbs.	41.0 lbs. 41.0 lbs.
			24" x 48"	24" x 48"	48" x 48"	48" x 48"	48"	48"	59.0 lbs. 59.0 lbs.	41.0 lbs. 41.0 lbs.

Cross tees tested as follows: XL7645 tested at 12.0 lbs/LF 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 Ceilings representative.
NOTE: The above data is based on 48" hanger wire spacing, board weight of 1 lb./SF, maximum deflection of cross tees not to exceed 1/360 of the span, and suspension system installed in accordance with ASTM C636.

COLOR AND FINISH SELECTION

Standard	Powder-coated Finish ♦
White (WH)	Blizzard White (ZW)

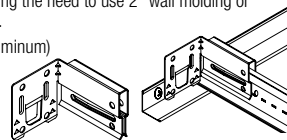
♦ Available with Black reveal, add suffix BL (e.g., 7600BL)

♦ Items available in powder-coated finish

ACCESSORIES

BERC2 – 2" Beam End Retaining Clip – Allows you to create a code compliant Seismic D, E, F ceiling installation while eliminating the need to use 2" wall molding or spreader bars.

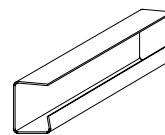
ALBERC2 (aluminum)



- ☐ **BERC2** (Steel) – 200 pcs
- ☐ **FZBERC2** (Steel) – 50 pcs

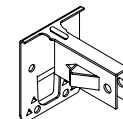
- ☐ **ALBERC2** (Aluminum) – 200 pcs
- ☐ **FZALBERC2** (Aluminum) – 50 pcs

MCC4G – Silhouette 1/4" Reveal Miter Closure Clip – Eliminates main beam and cross tee miters.



- ☐ **MCC4G** – 200 pcs
- ☐ **FZMCC4G** – 50 pcs

GCWA – Grip Clip Wall Attachment – Joins main beam or cross tee to wall molding via locking barbs without pop rivets or screws.



- ☐ **GCWA** – 250 pcs
- ☐ **FZGCWA** – 50 pcs

SILHOUETTE® XL® 1/4" Reveal

9/16" Slotted Tee System

DETAILS

For more information, see submittal BPCS-3157.

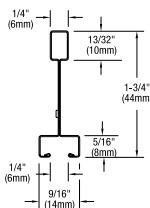


SILHOUETTE XL
Main Beam

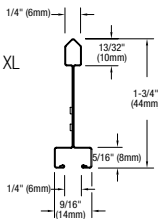


SILHOUETTE XL
Cross Tee

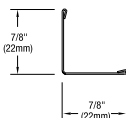
SILHOUETTE XL
Main Beam with
1/4" Reveal



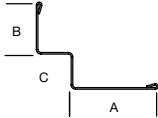
SILHOUETTE XL
Cross Tee



7/8" Hemmed
Angle Molding



Shadow Molding



SEISMIC PERFORMANCE

Main Beams

7600/804042, 7606, 7602, 7601, 7603

Minimum Lbs. To Pull Out Compression/Tension

340.0, 392.9, 340.0

Cross Tees

XL7610, XL7620/802042, XL7640, XL7645/803042, XL7646, XL7650, XL7670, XL7655, XL7680, XL7690

Minimum Lbs. To Pull Out Compression/Tension

299.5

ICC Reports

For areas under ICC jurisdiction, see ICC evaluation 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 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.

PHYSICAL DATA

Material

Double-web hot dipped galvanized steel

Surface Finish

Baked polyester paint or powder-coated finish

Manufactured and tested in accordance with ASTM C635

Face Dimension

9/16"

Profile

Bolt-slot

Cross Tee/Main Beam Interface

Mitered

End Detail

Main Beam: Coupling

Cross Tee: Staked-on clip