SHORTSPAN®

Drywall Framing System





Drywall Grid System for flat and curved ceilings.

The fastest and easiest way to frame flat drywall ceilings up to 17' wide.*

KEY SELECTION ATTRIBUTES

Designed to be the fastest & easiest way to frame flat drywall ceilings up to 17' wide.

ShortSpan[®] is part of the Sustain[™] portfolio and meets the most stringent industry sustainability compliance standards today

ShortSpan® Cross Tees

- Eliminates hanger wires for spans up to 8'-6"
- Easy, pre-engineered solution to support spans up to 8'-6" with no mid-span support (See ICC-ES ESR-2311 section 4.2.3. & 4.2.4)
- Select items available in High Recycled Content (HRC) (S7708, S7710, S7712, S7714): Total Recycled Content 61%, Post-consumer 53%, Pre-consumer 8%
- ScrewStop[™] reverse hem prevents screw spin-off
- · Balanced profile stays flat during installation
- Rotary stitching on double web adds strength and stability
- G40, .018" metal thickness meets ASTM C645
- Eliminates Hanger Wires for spans up to 5'

ShortSpan Low Profile

· Solution for crowded plenums

Locking Angle Molding

- Pre-engineered locking tabs punched 8" on center:
 - Eliminate measuring 16" or 24" 0.C.
 - Locking tabs prevent lateral and upward movement
 - Eliminate screws, pop rivets, or crimpers needed to attach cross tees to molding
- · Knurled surface on both flanges
- ScrewStop reverse hem prevents screw spin-off and provides safer handling
- Crimp marks at locking tabs for fast, easy alignment and layout
- · 10-year limited warranty
- SimpleCurve™ bend to create curves as tight as 52"

TYPICAL APPLICATIONS

- Condominiums
- Restrooms
- ApartmentsResidences
- MotelsHotels
- Dormitories
- Villas
- Dominiones
- Suites
- Barracks
- 001100

• Townhomes

PERFORMANCE

Fire Performance Corridors

PACKAGING

VISUAL SELECTION

Fire Resistance Rating — Meets a broad range of UL design assemblies D501, D502, G523, G524, G527, G528, G529, G531, G553, J502, L502, L508, L513, L515, L525, L526, L529, L564, P501, P506, P507, P508, P509, P510, P513, P514.

	Item No.	Description	Dimensions
ShortSpan® Cross Tees (Red Numbers	S7708P S7708PHRC S7708PG90	8' ShortSpan Cross Tee	96 x 1-1/2 x 1-13/16"
are Fire Guard™ Items)	S7710P S7710PHRC S7710PG90	10' ShortSpan Cross Tee	120 x 1-1/2 x 1-13/16"
	S7712P S7712PHRC S7712PG90	12' ShortSpan Cross Tee	144 x 1-1/2 x 1-13/16"
	S7714P S7714PHRC S7714G90	14' ShortSpan Cross Tee	168 x 1-1/2 x 1-13/16"
ShortSpan® @ Low Profile	SLP7704	4' ShortSpan Low Profile	47-13/16 x 1-1/2 x 7/8"
(6)	SLP7705	5' ShortSpan Low Profile	59-13/16 x 1-1/2 x 7/8"
(ev	SLP7706	6' ShortSpan Low Profile	71-13/16 x 1-1/2 x 7/8"
Quikstix™ Locking Pocket Main Beams	QSLPM12 QSLPM12G90	Locking Pocket Main Beam	144 x 1-1/2 x 1-1/2"
StrongBack™ SB12P Support Hanger SB12PG90		StrongBack	144" x 2"

(3)	Ba	Pie	5
•	N/A	12	96
•	N/A	12	120
•	N/A	12	144
•	N/A	12	168
N/A	N/A	12	48
N/A	N/A	12	60
N/A	N/A	12	72
N/A	N/A	12	144

Dots represent high level of performance.

N/A



N/A

12

144

SHORTSPAN® **Drywall Framing System**



LOCATION DEPENDENT

VISUAL SELECTION **PERFORMANCE PACKAGING**

	Item No.	Description	Dimensions	Fire Performance	Radius	Pieces/Bundle	LFT/Bundle
Wall Moldings	LAM12 LAM12HRC	12' Locking Angle Molding (Locking tabs 8" O.C.)	144 x 1-1-1/4 x 1-1-1/4"	N/A	N/A	20	240
field	LAM151220E	12' Locking Angle Molding (Locking tabs 8" O.C.) 22-gauge (.028" metal thickness)	120 x 1-1/2 x 1-1/2"	N/A	N/A	10	120
	KAM10	Knurled angle molding – 25-gauge (.018" metal thickness)	120 x 1-1/4 x 1-1/4"	N/A	N/A	10	100
	KAM12 KAM12G90 KAM12HRC	Knurled angle molding – 25-gauge (.018" metal thickness)	144 x 1-1/4 x 1-1/4"	N/A	N/A	10	120
	KAM1510	Knurled angle molding – 25-gauge (.018" metal thickness)	120 x 1-1/2 x 1-1/2"	N/A	N/A	10	100
	KAM1512	Knurled angle molding – 25-gauge (.018" metal thickness)	144 x 1-1/2 x 1-1/2"	N/A	N/A	10	120
	KAM151020EQ	Knurled angle molding – 22-gauge (.028" metal thickness)	120 x 1-1/2 x 1-1/2"	N/A	N/A	10	100
	KAM151020	Knurled angle molding – 20-gauge (.033" metal thickness)	120 x 1-1/2 x 1-1/2"	N/A	N/A	10	100
	KAM151220EQ	Knurled angle molding – 22-gauge (.028" metal thickness)	144 x 1-1/2 x 1-1/2"	N/A	N/A	10	120
	KAM21025	Knurled angle molding – 25-gauge (.018" metal thickness)	120 x 2 x 2"	N/A	N/A	10	100
	KAM1520G90	Knurled angle molding – 22-gauge (.018" metal thickness)	120 x 1-1/2 x 1-1/2"	N/A	N/A	10	100
	KAM1525G90	Knurled angle molding – 25-gauge (.018" metal thickness)	120 x 1-1/2 x 1-1/2"	N/A	N/A	10	100
	KAM21020EQ	Knurled angle molding – 22-gauge (.028" metal thickness)	120 x 2 x 2"	N/A	N/A	10	100
	KAM1525G90	Knurled angle molding – 25-gauge (.018" metal thickness)	120 x 1-1/2 x 1-1/2"	N/A	N/A	10	100
	KAM21020	Knurled angle molding – 20-gauge (.033" metal thickness)	120 x 2 x 2"	N/A	N/A	10	100
hev	SC151220EQ	12' x 1.5" SimpleCurve™ Knurled Angle Molding – (.028" metal thickness)	148 x 1-1/2 x 1-1/2"	N/A	37"	10	124
her	SC151225	12' x 1.5" SimpleCurve™ Knurled Angle Molding – (.018" metal thickness)	148 x 1-1/2 x 1-1/2"	N/A	32"	10	124
hev	SC21220EQ	12' x 2" SimpleCurve™ Knurled Angle Molding — (.028" metal thickness)	148 x 2 x 2"	N/A	55"	10	124
her	SC21225	12' x 2" SimpleCurve™ Knurled Angle Molding — (.018" metal thickness)	148 x 2 x 2"	N/A	40"	10	124
				Date represent high			

Dots represent high level of performance.

MAXIMUM ALLOWABLE LOAD @ L/240 DEFLECTION, LBS./SF (Red numbers are Fire Guard™ items)

(10'-14' SPANS REQUIRE A MID-SPAN SUPPORT)

Item No.◆	OC Spacing	4' Span Lbs./SF	5' Span Lbs./SF	6' Span Lbs./SF	7' Span Lbs./SF	7'-6" Span Lbs./SF	8' Span Lbs./SF	8'-6" Span Lbs./SF	9' Span Lbs./SF	10' Span Lbs./SF	12' Span Lbs./SF	14' Span Lbs./SF
S77**P	8"	N/A	21.27	15.74	8.76	8.31	6.65	5.06	4.46	21.27	15.74	8.76
S77**P	16"	23.82	10.64	7.87	4.38	4.16	3.32	2.53	2.23	10.64	7.87	4.38
S77**P	24"	15.88	7.09	5.25	2.92	2.77	2.22	1.69	N/A	7.09	5.25	2.92
SLP77**	16"	5.12	2.61	1.52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SLP77**	24"	3.41	1.74	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	S77**P S77**P S77**P SLP77**	Item No.◆ Spacing S77**P 8" S77**P 16" S77**P 24" SLP77** 16"	Item No.◆ Spacing Lbs./SF S77**P 8" N/A S77**P 16" 23.82 S77**P 24" 15.88 SLP77** 16" 5.12	Item No.◆ Spacing Lbs./SF Lbs./SF S77**P 8" N/A 21.27 S77**P 16" 23.82 10.64 S77**P 24" 15.88 7.09 SLP77** 16" 5.12 2.61	Item No.◆ Spacing Lbs./SF Lbs./SF Lbs./SF S77**P 8" N/A 21.27 15.74 S77**P 16" 23.82 10.64 7.87 S77**P 24" 15.88 7.09 5.25 SLP77** 16" 5.12 2.61 1.52	Item No.◆ Spacing Lbs./SF Lbs./SF Lbs./SF Lbs./SF S77**P 8" N/A 21.27 15.74 8.76 S77**P 16" 23.82 10.64 7.87 4.38 S77**P 24" 15.88 7.09 5.25 2.92 SLP77** 16" 5.12 2.61 1.52 N/A	Item No.◆ Spacing Lbs./SF Lbs./SF	Item No.◆ Spacing Lbs./SF Lbs./SF	Item No.◆ Spacing Lbs./SF Lbs./SF	Item No.◆ Spacing Lbs./SF Lbs./SF	Item No.◆ Spacing Lbs./SF Lbs./SF	Item No.◆ Spacing Lbs./SF Lbs./SF

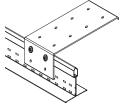
NOTE: 5/8" drywall weights 2.4 lbs./SF (tees installed 8" or 16" or 24" 0.C.) 1/2" drywall weighs 2.0 lbs./SF (tees installed 16" 0.C., maximum) ◆ Enter appropriate cross tee length 8", 10", 12" or 16" (Example: S7708P)

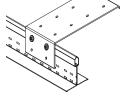
LOAD TEST DATA			HANGER SPACING UNIFORM LOAD AT L/240 (LBS/LF)						
ShortSpan® Cross Tees	Web Height	3'	4'	5'	6'	7'	7'-6"	8'	8'-6"
S77P ShortSpan® Low Profile	1-13/16" e	N/A	31.76	14.18	10.49	5.84	5.54	4.43	3.37
SLP77 QuikStix™ Locking Poc	7/8" ket Main	N/A	6.82	3.48	2.02	N/A	N/A	N/A	N/A
QSLPM12 StrongBack™ Support	1-1/2" Hanger	40.60	21.64	N/A UNIFOR	N/A HANGER S		N/A BS/LF)	N/A	N/A
SB12P	2"	27.53	17.76	N/A	N/A	N/A	N/A	N/A	N/A



QSUTC - QuikStix™ Uptight Clip -Saves time in tight plenum areas and is adjustable to uneven surfaces.

QSUTC - 100 pcs FZQSUTC - 50 pcs











SHORTSPAN® Drywall Framing System



Declare.

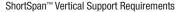
Calculate sustainability with GreenGenie™ armstrongceilings.com/greengenie

LOCATION DEPENDENT

INSTALLATION NOTES

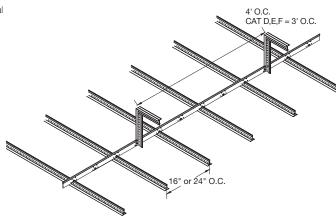
- 1. Must screw LAM12 and KAM12 to wall structure using #8 x 1-1/4" wafer head self-drill sheet metal screws tested in 25 and 20 gauge steel studs
- 2. ShortSpan® tees must be cut within 1/8" of the vertical leg of the LAM and QSLPM
- 3. Slide StrongBack™ over the bulb of ShortSpan tee and engage by bending locking tabs back to original position
- 4. Support and level system to structure; attach vertical supports to StrongBack as required
- 5. The ShortSpan system was installed per these installation notes to produce the load data provided in the chart above

NOTE: For fire resistant installations, refer to UL® Directory and Designs for details



Tees installed 16" on center with 5/8" or 1/2" drywall (Seis

rees installed to officeriter	Will 3/0 OF 1/2 drywaii (36131116 D631911 Galegories A, D, G, D, E,F)					
Up to 8'-6" span	No vertical support required					
8'-6" to 14' 0" span	Mid-span vertical support required					
Tees installed 24" on-center	with 5/8" drywall (Seismic Design Categories A, B, C, D, E, F)					
Up to 7'-6 " span	No vertical support required					
7'-6" to 14' 0" span	Mid-span vertical support required					



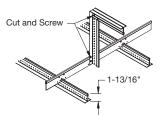
No Additional Screws Requirements For Seismic Areas



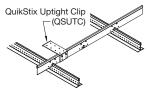
There's no need to screw ShortSpan Tees to Locking Angle Molding in Seismic Design Categories A-F (unless required by local code).



StrongBack Overlap Splice



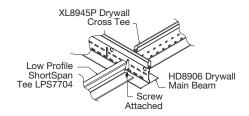
300 lbs. pullout strength on the StrongBack connection to ShortSpan Tee Bulb



StrongBack attached to structure using the QuikStix™ Uptight Clip



StrongBack attached to structure using Hanging Wire





Low Profile ShortSpan

SHORTSPAN® Drywall Framing System

StrongBack™ Support Hanger

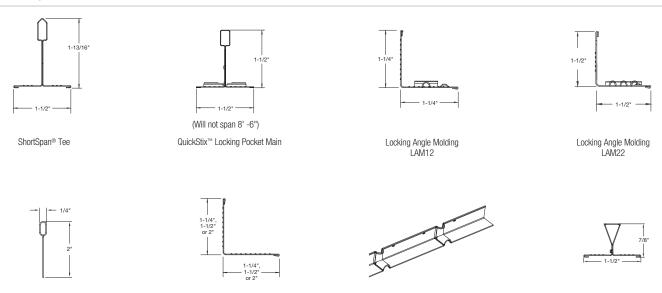




SimpleCurve™

LOCATION DEPENDENT

DETAILS



KAM

PHYSICAL DATA

Material Hot-dipped galvanized steel Surface Finish Unpainted steel Face Dimension 1-1/2" T-bar section

Fire Resistance Fire Resistance
Resistive when used in applicable UL fire resistive
designs D501, D502, G523, G524, G526, G527, G528,
G529, G531, G553, J502, L502, L508, L513, L515,
L525, L526, L529, L564, P501, P506, P507, P508,
P509, P510, P513, P514. (QSUTC, QSLPM12 are not fire-rated.)



