

SIMPLESOFFIT®

DRYWALL FRAMING SYSTEM
TECHNICAL GUIDE

THE FASTER, EASIER, BETTER WAY TO BUILD SOFFITS

Armstrong® SimpleSoffit® Drywall Framing System is a pre-fabricated soffit frame that saves time, material, and labor on the jobsite.

This soffit frame solution installs faster than traditional methods, which helps you complete jobs under cost and ahead of schedule.

It is manufactured to meet or exceed ASTM standards and code requirements and is engineered to provide economical alternatives to stud and track construction.

Pre-engineered solutions are available for light coves, curved soffits, perimeter pockets, Z-soffits and more. This makes SimpleSoffit the perfect solution for any soffit application.

SIMPLESOFFIT Drywall Framing System

Code Compliance You Can Trust

Meets:

- ASTM C645
- ASTM C840
- ASTM C754
- ICC Evaluation Report Number ESR-1289
- Division of the State Architect DSA IR 25-2 and DSA IR 25-3
- City of LA – RR 25348
- Consult local codes for specific requirements
- ASTM E3118 Seismic Shake Table testing for Ceilings

SimpleSoffit Performance

- Hang 2', 4', or 6' O.C.
- Fold and click out of the box
- No jig time or fabrication required
- Aligns with construction industry dynamics:
 - Enhanced safety
 - Reduced need for skilled labor
 - Transition from stick-build to pre-fab/off-site construction



SIMPLESOFFIT® FRAMING SYSTEM

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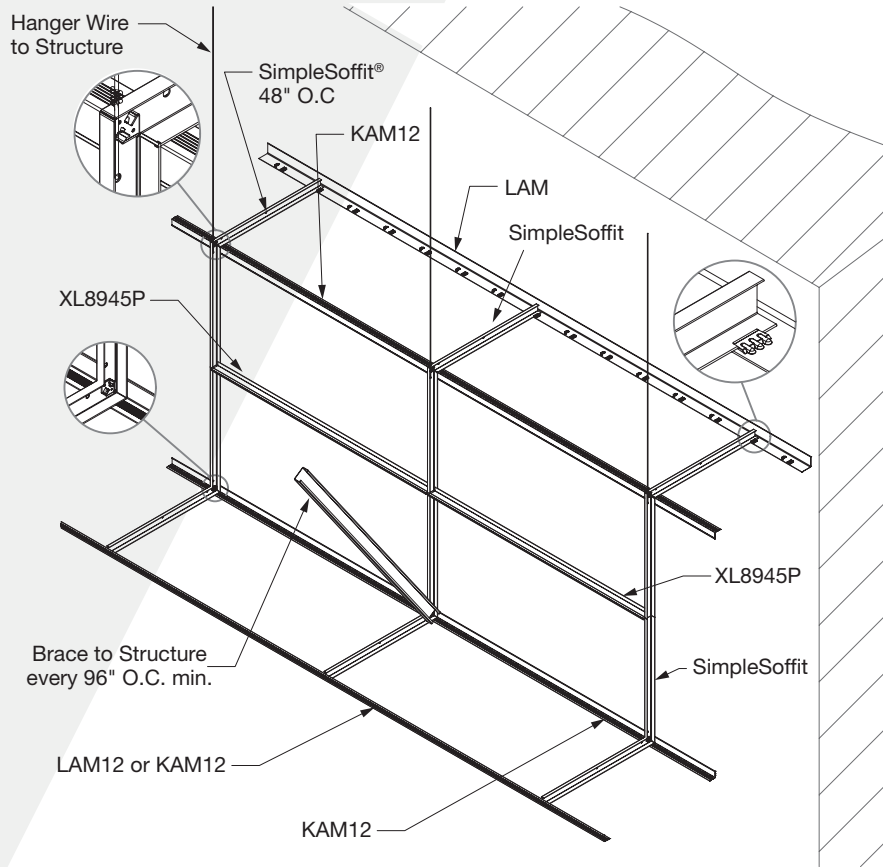
Drywall Grid Systems Performance

- G40, 0.018" metal thickness meets ASTM C645
- G90 hot dipped galvanized coating available for interior high moisture areas
- ScrewStop™ reverse hem prevents screw spin off
- Rotary stitching on double web adds strength and stability
- Deep knurled surface for easy screw insertion
- Sourced and manufactured in the USA

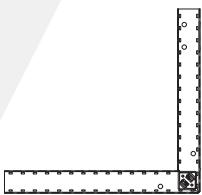


THE SYSTEM

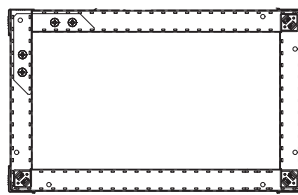
SIMPLESOFFIT FRAMING SYSTEM



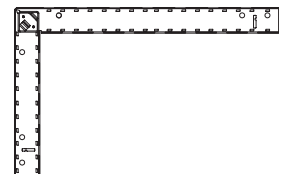
CUSTOMIZABLE FOR ANY SOFFIT CONDITION



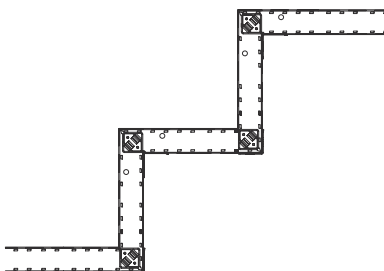
L Soffit Up



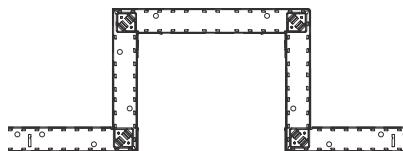
Box Soffit



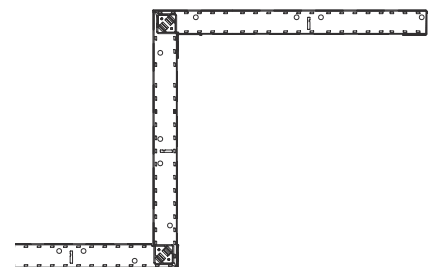
L Soffit Down



Multi-step Soffit



Recessed Pocket Soffit

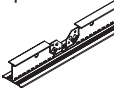




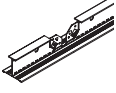


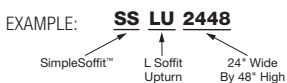
Perimeter Pocket Soffit

SIMPLESOFFIT FRAMING SYSTEM

SimpleSoffit

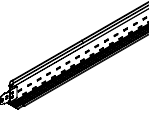
NOTE: All components are available with G90 hot dipped galvanized coating. Just add G90 suffix to end of Item #, Ex: LAM12G90.
 "P" at the end of Item numbers means PeakForm™ bulb

	Item No.	Description	Dimensions (Inches)	Length	Rout and Notch Spacing	LOAD TOTAL DATA* (LBS./LIN. FT.)	Packaging	
						L/240	Pcs./Ctn	Lin. Ft./Ctn
	SSLU2424	L Soffit Upturn 24" x 24"	1-1/2 x 1-1/4"	48-1/2"	Routs 8" O.C. beginning at bend	20.46 @ 4'	12	48
	SSLU4824	L Soffit Upturn 48" x 24"	1-1/2 x 1-1/4"	72"	Routs 8" O.C. beginning at bend	20.46 @ 4'	12	72
	SSLU3636	L Soffit Upturn 36" x 36"	1-1/2 x 1-1/4"	72"	Routs 8" O.C. beginning at bend	20.46 @ 4'	12	72
	SSLD2424	L Soffit Downturn 24" x 24"	1-1/2 x 1-1/4"	48"	Routs 8" O.C. beginning at bend	20.46 @ 4'	12	48
	 SSLU1836	L Soffit Upturn 18" x 36"	1-1/2" x 1-1/4"	54"	Routs 8" O.C. beginning at bend	20.46 @ 4'	12	54
	 SSLU1872	L Soffit Upturn 18" x 72"	1-1/2" x 1-1/4"	90"	Routs 8" O.C. beginning at bend	20.46 @ 4'	12	90
	 SSU182418	U Soffit 18" x 24" x 18"	1-1/2" x 1-1/4"	58-1/2"	Routs 8" O.C. beginning at bend	20.46 @ 4'	12	58-1/2
	 SSU123612	U Soffit 12" x 36" x 12"	1-1/2" x 1-1/4"	58-1/2"	Routs 8" O.C. from center on width	20.46 @ 4'	12	58-1/2
	SSLU_ _ _ _	L Soffit Upturn	1-1/2 x 1-1/4"	24 – 144"	Up to 6 routs and 1 notch	20.46 @ 4'	12	48
	SSLD_ _ _ _	L Soffit Downturn	1-1/2 x 1-1/4"	12 – 144"	Up to 6 routs and 1 notch	20.46 @ 4'	12	48
	SSB_ _ _ _	Box Soffit	1-1/2 x 1-1/4"	12 – 144"	Up to 6 routs and 3 notches	20.46 @ 4'	12	48
	SSMS_ _ _ _	Multi-Step Soffit	1-1/2 x 1-1/4"	12 – 144"	Up to 6 routs and 6 notches	20.46 @ 4'	12	48



Choose your soffit type – L Upturn, L Downturn, Box, Multi Step. Custom options available, contact your local Armstrong sales rep for questions or a quote for custom applications.

Drywall Grid Cross Tees

	XL8965 XL8965HRC	6' Drywall Cross Tee	1-1/2 x 1-1/2"	72"	6 routs – starting 24" from each end	4.68 @ 6'	36	216
	XL8947P	50" Drywall Cross Tee	1-1/2 x 1-1/2"	50"	8 routs – starting 10" from each end – for Type F light fixtures	12.79 @ 50"	36	150
	XL8945P XL8945PHRC	4' Drywall Cross Tee	1-1/2 x 1-1/2"	48"	9 routs – center rout and starting 10" from each end – for Type F light fixtures	14.27 @ 4'	36	144
	XL7936G90	3' Drywall Cross Tee	1-1/2 x 1-1/2"	36"	None	31.33 @ 3'	38	108
	XL8926	2' Drywall Cross Tee	1-1/2 x 1-1/2"	24"	3 routs – center rout and 10" from each end	90.25 @ 2'	36	78

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

COMPONENTS

SIMPLESOFFIT FRAMING SYSTEM

Moldings				Packaging	
Face Flange	Item No.	Description	Dimensions (Inches)	Pcs./ Ctn	Lin. Ft./ Ctn
15/16"	7858	12' Reverse Angle Molding	144 x 1-9/16 x 15/16"	20	240
1-1/4"	LAM12	12' Nominal Locking Angle Molding, Locking Tabs 8" O.C., starting 4" from each end	144 x 1-1/4 x 1-1/4"	20	240
	LAM12HRC	12' Nominal Locking Angle Molding, Locking Tabs 8" O.C., starting 4" from each end	144 x 1-1/4 x 1-1/4"	20	240
	KAM10	10' Knurled Angle Molding – (.018 metal thickness)	120 x 1-1/4 x 1-1/4"	10	100
	KAM12	12' Knurled Angle Molding – (.018 metal thickness)	144 x 1-1/4 x 1-1/4"	10	120
	KAM12G90	12' Knurled Angle Molding – G90 galvanized steel coating (.018 metal thickness)	144 x 1-1/4 x 1-1/4"	10	120
1-1/2"	KAM1510	10' Knurled Angle Molding – (.018 metal thickness)	120 x 1-1/2 x 1-1/2"	10	100
	KAM1512	12' Knurled Angle Molding – (.018 metal thickness)	144 x 1-1/2 x 1-1/2"	10	120
	KAM151020E	10' Knurled Angle Molding – (.028 metal thickness)	120 x 1-1/2 x 1-1/2"	10	100
	KAM151020	10' Knurled Angle Molding – (.033 metal thickness)	120 x 1-1/2 x 1-1/2"	10	100
2"	KAM21025	10' Knurled Angle Molding – (.018 metal thickness)	120 x 2 x 2"	10	100
	KAM21020EQ	10' Knurled Angle Molding – (.028 metal thickness)	120 x 2 x 2"	10	100
	KAM21020	10' Knurled Angle Molding – (.033 metal thickness)	120 x 2 x 2"	10	100
1-1/2"	SC151220EQ	12' x 1.5" SimpleCurve® Knurled Angle Molding – (.028" metal thickness)	148 x 1-1/2 x 1-1/2"	10	124
	SC151225	12' x 1.5" SimpleCurve Knurled Angle Molding – (.018" metal thickness)	148 x 1-1/2 x 1-1/2"	10	124
2"	SC21220EQ	12' x 2" SimpleCurve Knurled Angle Molding – (.028" metal thickness)	148 x 2 x 2"	10	124
	SC21225	12' x 2" SimpleCurve Knurled Angle Molding – (.018" metal thickness)	148 x 2 x 2"	10	124
StrongBack™ Support Hanger					
	SB12P SB12PG90	StrongBack	144 x 2"	12	144
Channel Beam Support Hanger					
	BPCBS4SS	4" Channel Beam Support Hanger for SimpleSoffit®	–	50	–
	BPCBS6SS	6" Channel Beam Support Hanger for SimpleSoffit	–	50	–
	BPCBS8SS	8" Channel Beam Support Hanger for SimpleSoffit	–	50	–
	BPCBS10SS	10" Channel Beam Support Hanger for SimpleSoffit	–	50	–
	BPCBS12SS	12" Channel Beam Support Hanger for SimpleSoffit	–	50	–

DRYWALL TRANSITION MOLDING COMPONENTS

SIMPLESOFFIT FRAMING SYSTEM

Material: Commercial-quality, cold rolled, hot dipped galvanized steel

Item Number	Length/Item Description	Face Dimension	Flange	Profile Height	
7901	120" Shadow Reveal Molding	3/8" Shadow Reveal	9/16"	1-1/4"	
7902	120" Shadow Reveal Molding	3/8" Shadow Reveal	15/16"	1-1/4"	
7903	120" Inverted T Molding	1" Inverted T	—	1-1/2"	
7904 7904PF*	120", 15/16" Flush Transition Molding	15/16" Horizontal	15/16"	1-1/4"	
7905 7905PF*	120", 9/16" Flush Transition Molding	9/16" Horizontal	9/16"	1-1/4"	
7906	120", F Vertical Transition Molding	120" Vertical Transition	1/2"	1-7/16"	
7907	120", 9/16" Tegular Transition Molding	9/16" Horizontal	9/16"	1-1/4"	
7908	120", 15/16" Tegular Transition Molding	1" Inverted T	15/16"	1-1/4"	
7909	15/16", 1" Step Transition Molding	15/16" Horizontal	15/16"	1-7/8"	
7910	9/16", 1" Step Transition Molding	9/16" Horizontal	9/16"	1-7/8"	
79011	9/16" Shadow Reveal Transition Molding	3/8" x 1/4" Shadow Reveal	9/16"	1-1/8"	
7912	15/16" Shadow Reveal Transition Molding	3/8" x 1/4" Shadow Reveal	15/16"	1-1/4"	
7913	120", 9/16" F Vertical Transition Molding	9/16" Horizontal	9/16"	1-1/2"	
7914	120", 15/16" F Vertical Transition Molding	15/16" Horizontal	15/16"	1-1/2"	

SYSTEM OVERVIEW

SIMPLESOFFIT® FRAMING SYSTEM

The Best Choice for Drywall Soffit Framing

Reduce Labor Cost: Reduce time and labor associated with cutting and measuring, just click and go

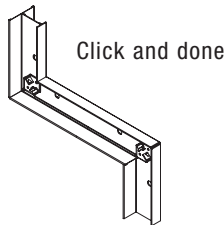
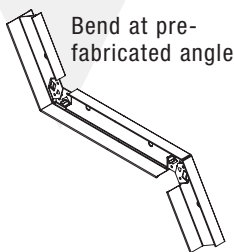
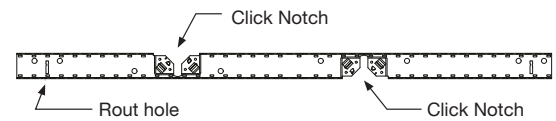
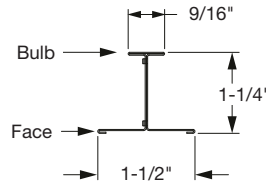
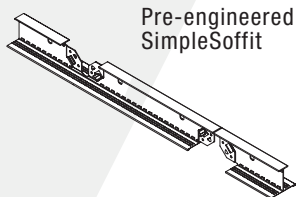
Reduce Waste: Eliminate the jig and fabrication time

Reduce Risk: System was evaluated using full scale seismic testing. For official test reports, please contact TechLine at 877 276-7876

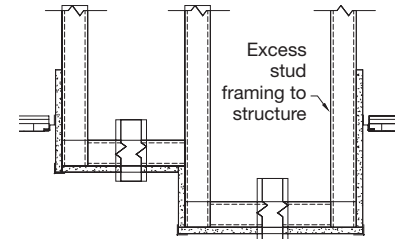
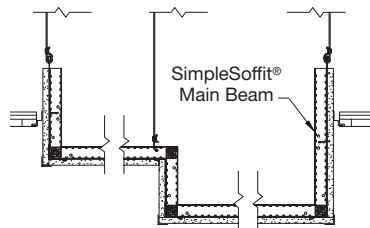
Customized Solution: Standard and custom length options. Contact your local Armstrong sales rep for questions or a quote for custom applications

SimpleSoffit is pre-engineered for faster, easier, and better installation

- Pre-engineered custom drywall grid main beam
- Eliminate jig and fabrication time
- Ready out of the box
- Click and go installation
- Reduce man hours required on the job
- 1-1/2" wide face exceeds the minimum industry standard
- ScrewStop™ reverse hem prevents screw spin-off
- Balanced profile stays flat during installation
- Rotary stitching on double web adds strength and stability
- Deep knurled surface for easy screw insertion
- G40, .018" metal thickness meets ASTM C645
- Integrates with standard DGS cross tees

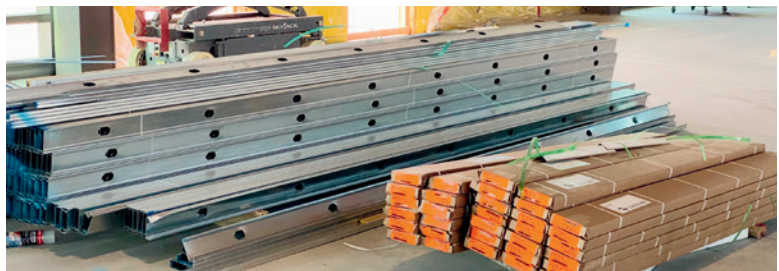


SimpleSoffit Drywall Framing System



Less Material than Traditional Soffit Framing

- Reduce clean up and waste at jobsite
- Promotes jobsite safety by reducing the number of installers and material required on the job
- Eliminate jig and fabrication time



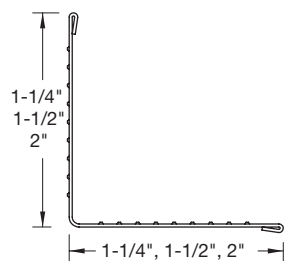
Traditional Soffit Framing (left) vs. SimpleSoffit Framing (right)

MORE INSTALLATION BENEFITS IN ENHANCED DRYWALL FRAMING SYSTEM WALL ANGLE

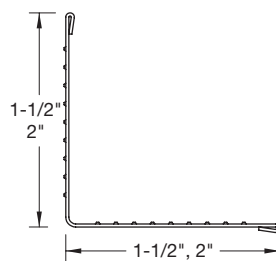
Knurled Angle Molding (KAM) for drywall framing has the time-saving advantages of knurling, ScrewStop™, pre-punched holes, and no cartons to throw away.

Knurling:	Helps the screws to grab quickly.
ScrewStop:	Reverse hem on the top and bottom flanges catches the screw, preventing it from slipping off the wall angle – no sharp edges on the top or bottom of the angle.
Pre-punched Holes:	Located on the top edge to allow for faster insertion of the screws.
No Carton Packaging:	Eliminate time needed to open and throw away cartons. Just cut the plastic strap and go.

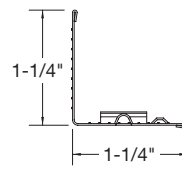
- Available with a 1-1/4", 1-1/2" or 2" face to meet your specific need
- 2" KAM is available in 0.030", 0.027", and 0.018" metal thickness
- 1-1/2" KAM is available in 0.030", 0.027", and 0.018" metal thickness
- 1-1/2" KAM is available in 10' or 12' lengths
- 1-1/4" KAM is available in 10' or 12' lengths
- Top and bottom flanges are hemmed for easy handling, unlike the sharp flanges
- ScrewStop reverse hem catches screws, preventing them from slipping off the wall angle
- Pre-punched holes on the top edge (4" O.C.) allow for faster screw insertion



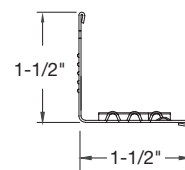
KAM – Knurled Angle Molding



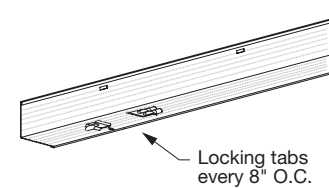
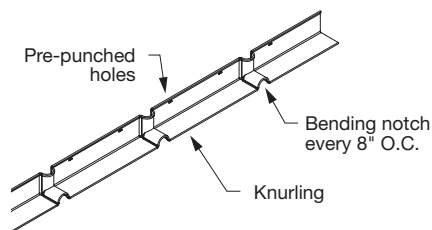
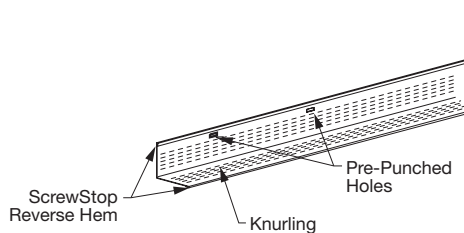
SimpleCurve® Angle



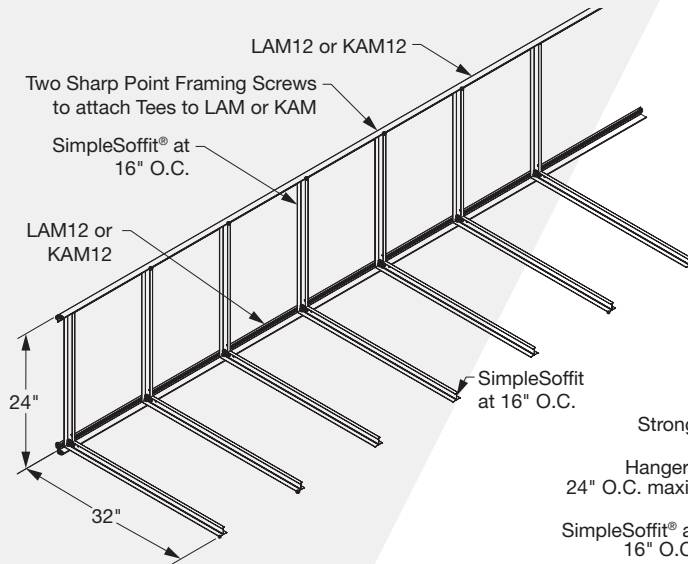
Locking Angle Molding LAM12



Locking Angle Molding LAM22

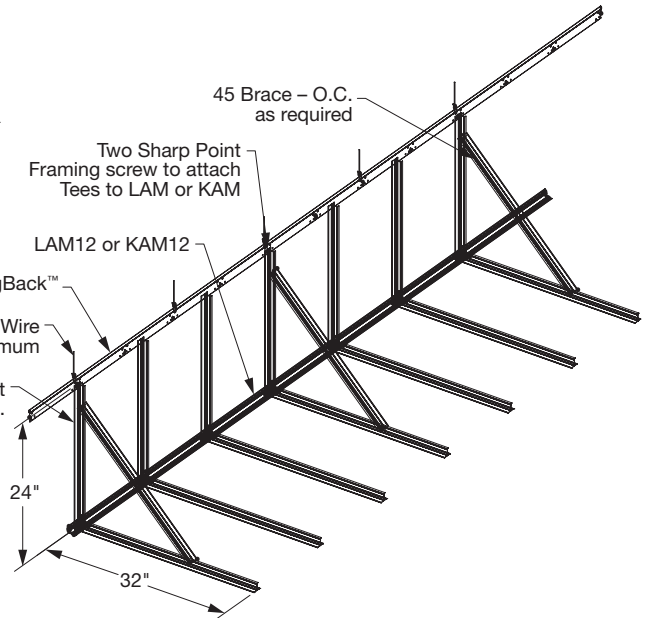
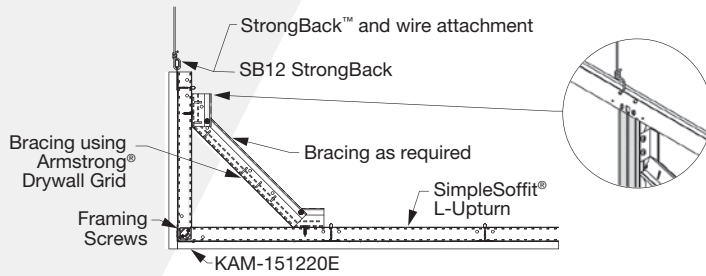


SIMPLESOFFIT® FRAMING SYSTEM ATTACHMENT OPTIONS



SimpleSoffit® with LAM or KAM

Flush Steel Transition

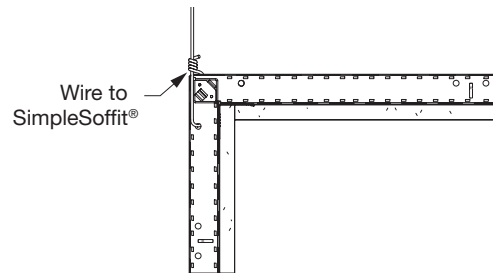


SimpleSoffit with StrongBack™

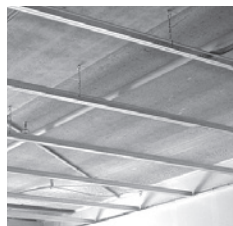
Options for Bracing and Hanging:

- Bracing is easy using Armstrong Drywall Grid or scrap
- Attaching Strongback to SimpleSoffit can speed installation and save on the number of wires needed

Alternate option for hanging:



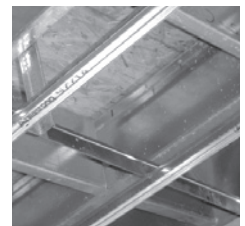
VERTICAL SUPPORT OPTIONS



Hanger Wire



Scrap Tee Post



Manufactured StrongBack™



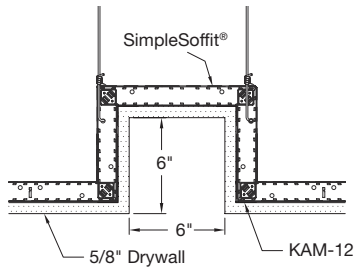
Field-Assembled Support



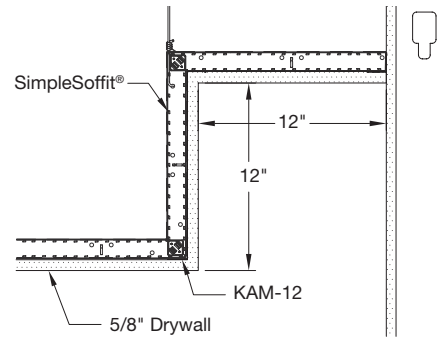
QuikStix™ Uptight Clip

TYPICAL SIMPESOFFIT SOLUTIONS

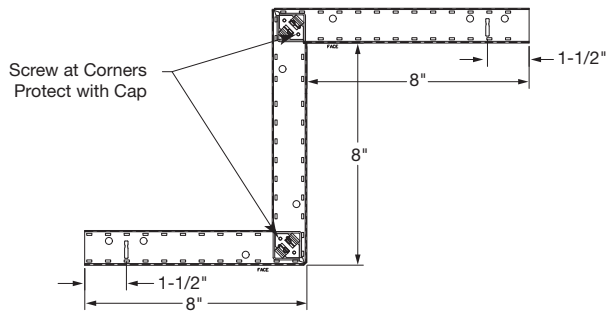
Recessed Pocket For Lighting/Diffusers



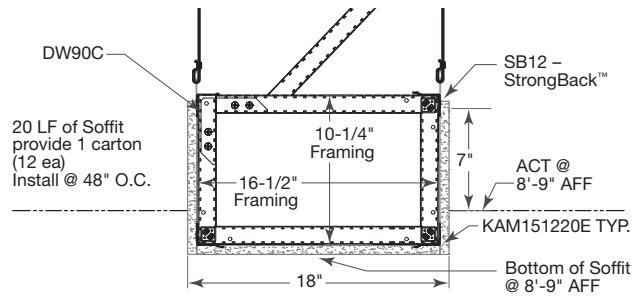
Perimeter Pocket Application



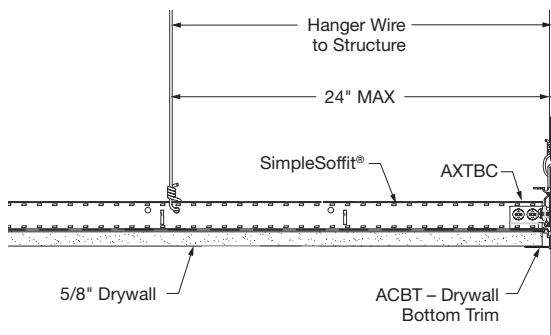
Multi-Step Soffits



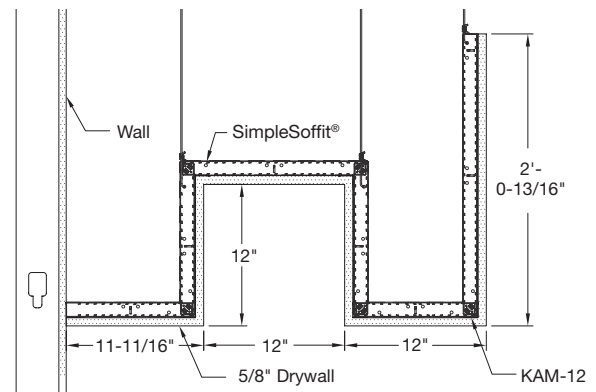
Box Soffits



Light Covers Soffits

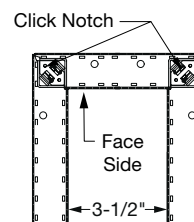
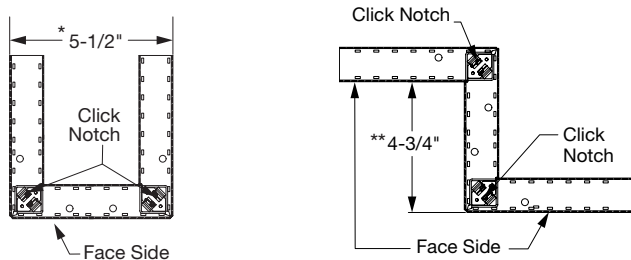


Unique Soffit Solutions



SIMPESOFFIT MINIMUM DIMENSIONS

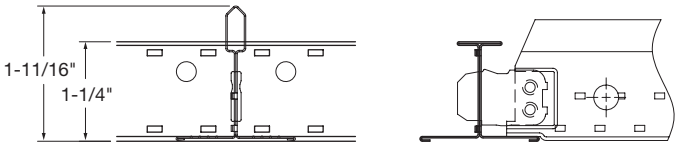
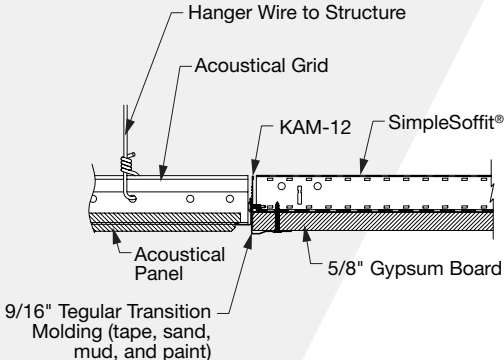
SimpleSoffit® – Minimum Folded Dimensions



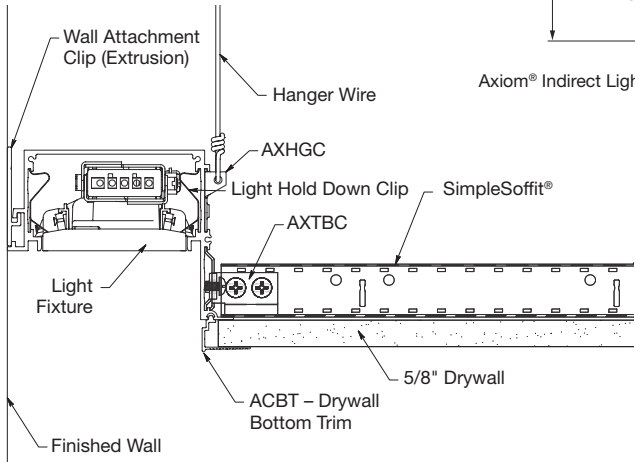
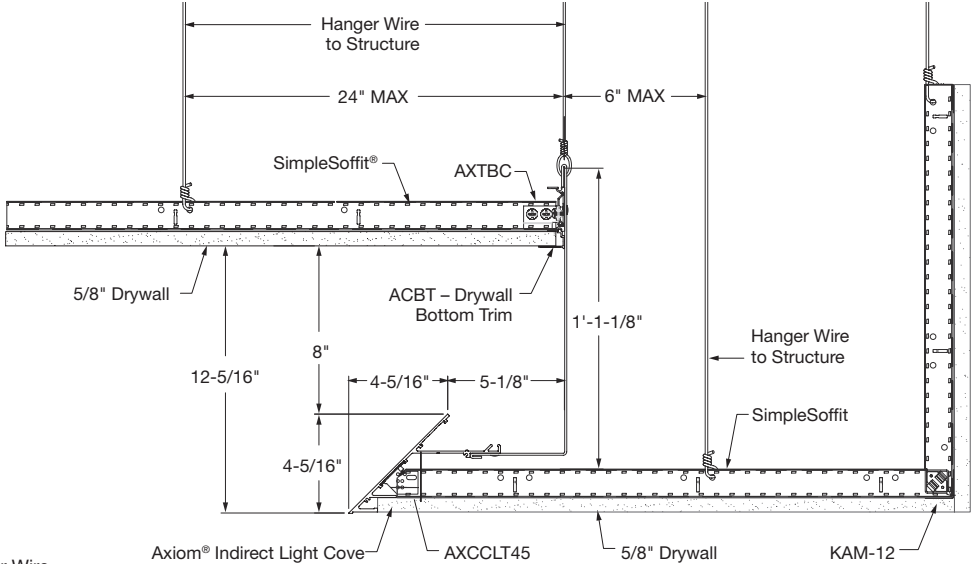
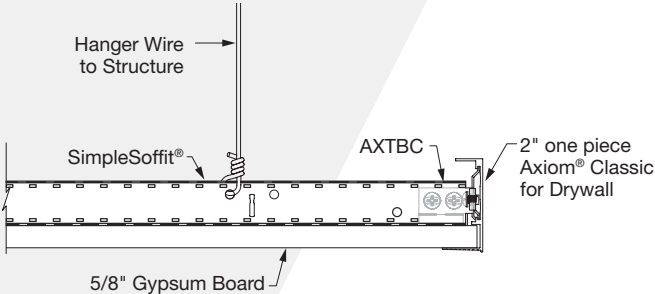
*A minimum of 3-5/8" can be achieved at this location using Screw Notch, but must have #8 pan head screws at each corner.

**A minimum of 3" can be achieved at this location using Screw Notch, but must have #8 pan head screws at each corner.

SIMPLESOFFIT DRYWALL FRAMING SYSTEM

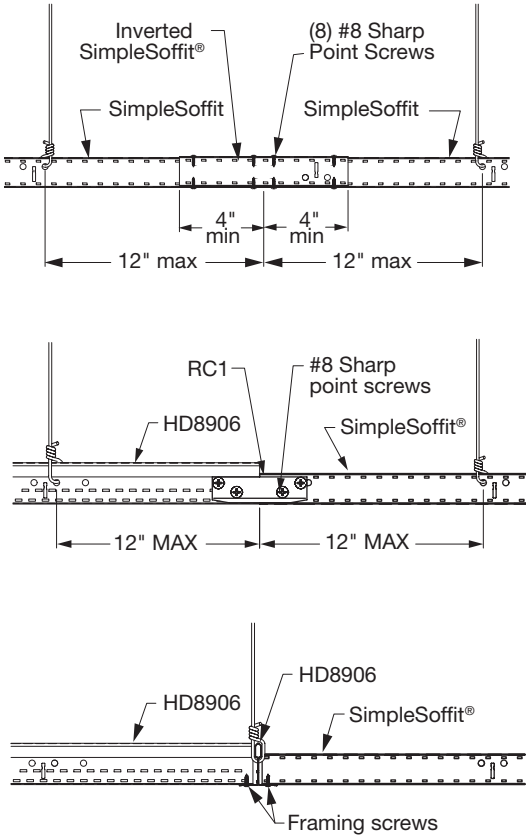


Integrates with Drywall Grid System Cross Tees

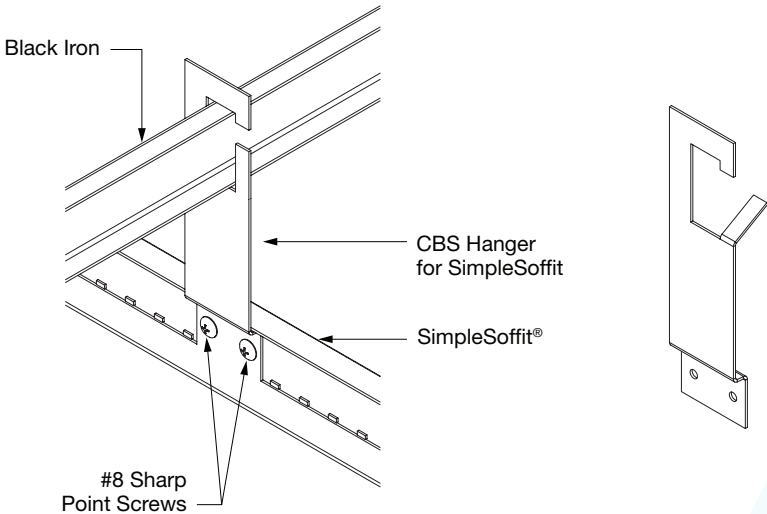


SIMPLESOFFIT FRAMING SYSTEM

Options for connecting SimpleSoffit to Standard Armstrong Drywall Grid:



INTEGRATION WITH THE CBS HANGER OPTION

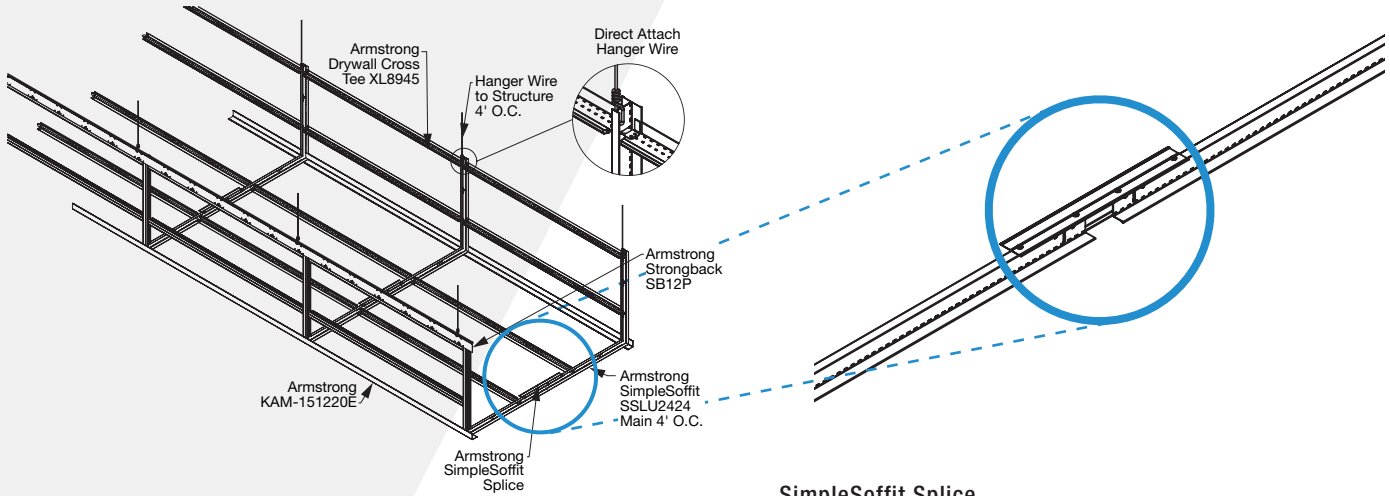


SIMPLESOFFIT SPLICE

SIMPLESOFFIT SPLICE CAPABILITY

Overview and connection guidelines for splicing SimpleSoffit main beams – Contractors can now create custom solutions with standard SimpleSoffit items:

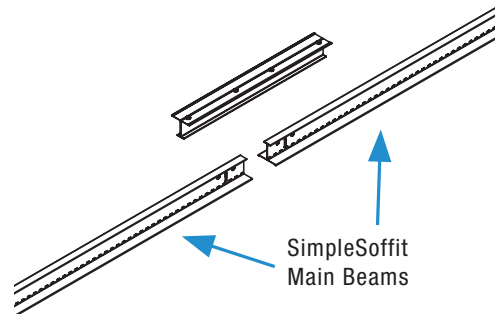
SimpleSoffit Splice (Installed)



NOTE: Example of splice used in a U soffit to achieve 4' wide soffit with no additional hanger wires needed.

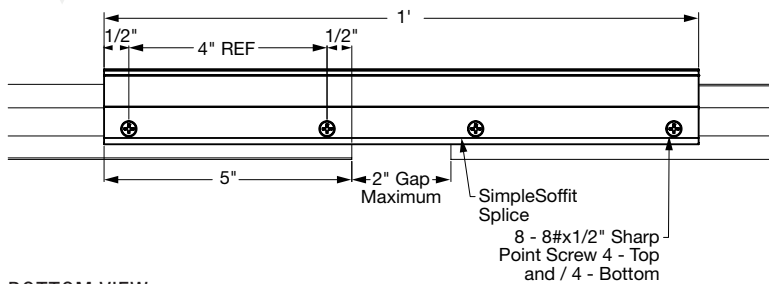


SimpleSoffit Splice

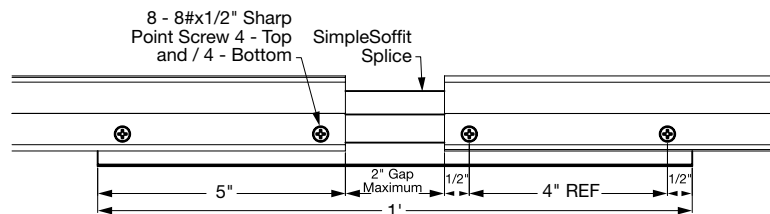


SIMPLESOFFIT SPLICE INSTALLATION DETAILS

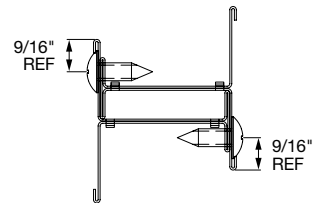
TOP VIEW



BOTTOM VIEW



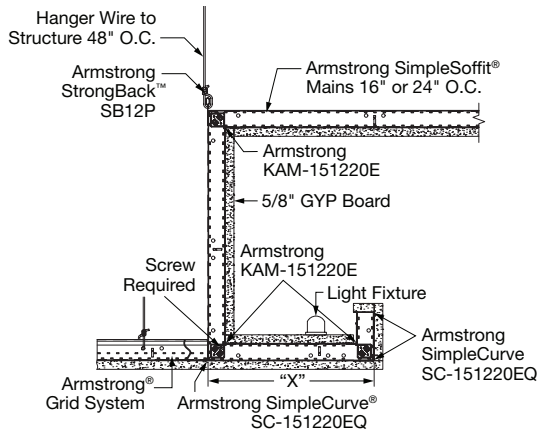
SIDE VIEW



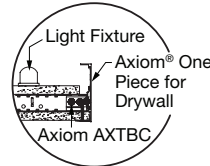
NOTE: SimpleSoffit splice installed in manner shown will achieve 19lb./LFT or 4.78 lb./SFT with 4' O.C. main beams.

SIMPLESOFFIT® LIGHT COVE APPLICATIONS

1 SimpleSoffit Curved Light Cove Detail



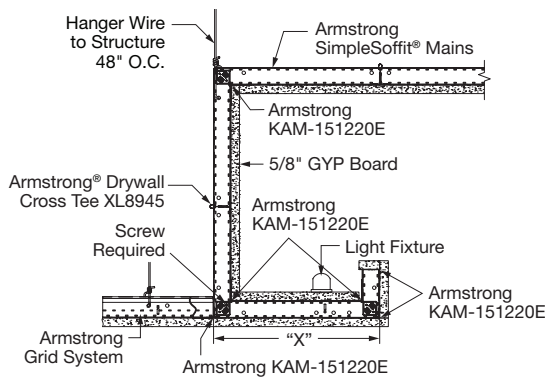
ALTERNATIVE OPTION



SimpleSoffit Light Cove, "C" or "G"-Shape

Overhang Length, "X"	Allowable Spacing and Loads			
	16" O.C.	24" O.C.	36" O.C.	48" O.C.
(in)	(lb/ft)	(lb/ft)	(lb/ft)	(lb/ft)
12 (Max.)	16	10	6	4

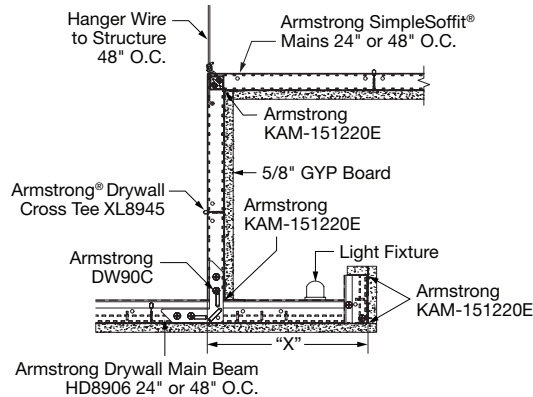
2 SimpleSoffit Straight Light Cove Details



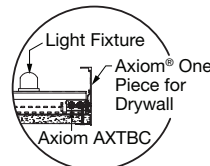
SimpleSoffit Light Cove, "C" or "G"-Shape

Overhang Length, "X"	Allowable Spacing and Loads			
	16" O.C.	24" O.C.	36" O.C.	48" O.C.
(in)	(lb/ft)	(lb/ft)	(lb/ft)	(lb/ft)
12 (Max.)	16	10	6	4

3 Drywall Grid Light Cove (HD8906 Overhang and SimpleSoffit L-Downturn)



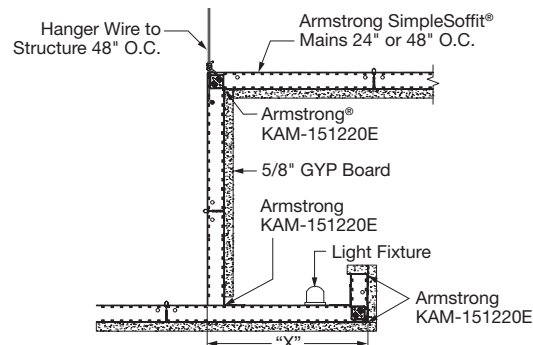
ALTERNATIVE OPTION



Drywall Grid Light Cove (HD8906 Overhang and SimpleSoffit L-Downturn)

Overhang Length, "X"	Allowable Spacing and Loads	
	24" O.C.	48" O.C.
(in)	(lb/ft)	(lb/ft)
12	20	10
18	12	6
24	6	3

4 SimpleSoffit® Light Cove (SimpleSoffit Overhang and SimpleSoffit L-Downturn)



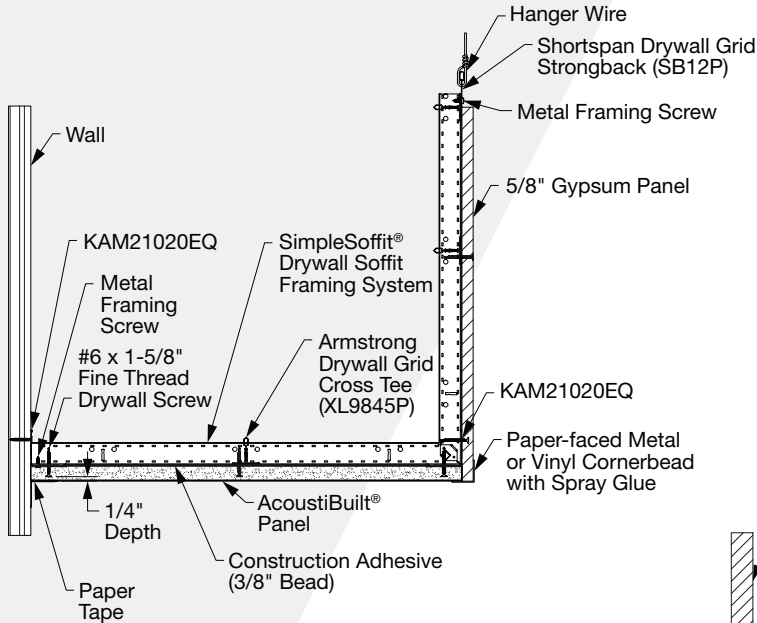
SimpleSoffit® Light Cove (SimpleSoffit Overhang and SimpleSoffit L-Downturn)

Overhang Length, "X"	Allowable Spacing and Loads			
	16" O.C.	24" O.C.	36" O.C.	48" O.C.
(in)	(lb/ft)	(lb/ft)	(lb/ft)	(lb/ft)
12	24	16	11	8
18	12	8	5	4
24	6	4	3	2

ACOUSTIBUILT® SIMPLESOFFIT® SOLUTION

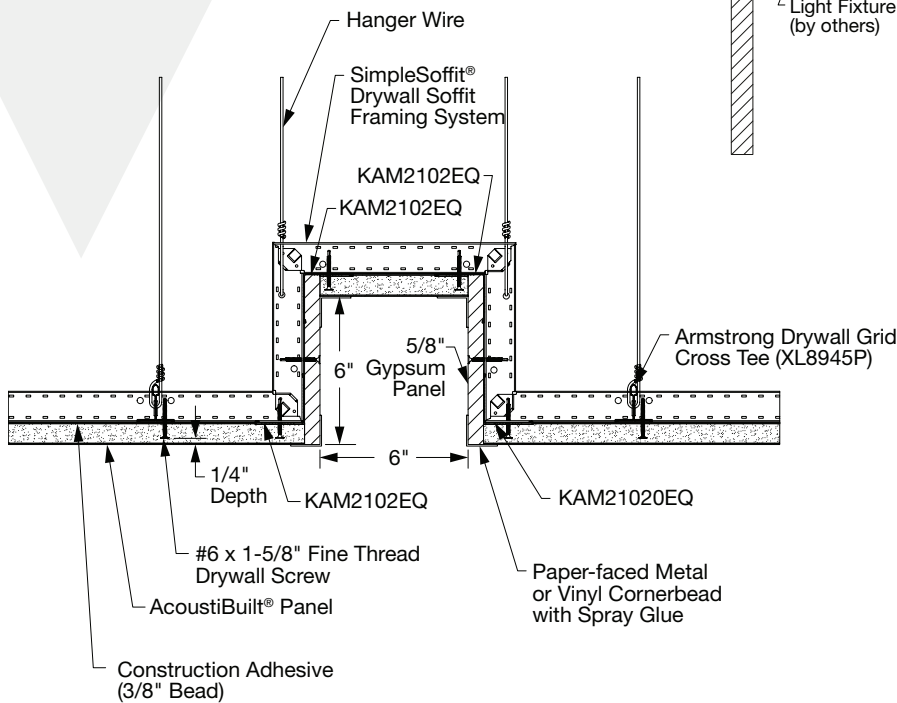
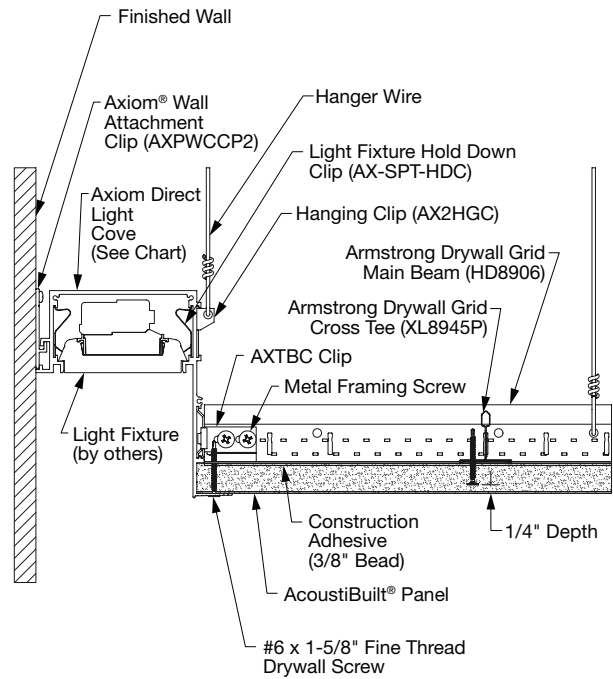
ACOUSTIBUILT SIMPLESOFFIT SOLUTION

ACOUSTIBuilt seamless acoustical ceilings can be installed on soffits of any size or angle. For acoustical benefit, ACOUSTIBuilt is recommended on soffits 36" or greater in height. Standard drywall is recommended for soffits less than 36".



Axiom Direct Light Cove

Item No.	Width	Height
AXDLC44	4"	4"
AXDLC46	4"	6"



877 276-7876

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Monday through Friday

TechLine – Technical information, detail drawings, CAD design assistance, installation information, other technical services – 8:00 a.m. to 5:30 p.m. EST, Monday through Friday. FAX 1 800 572 8324 or email: techline@armstrongceilings.com

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