FRAMEALL™ Drywall Grid

Curved Ceilings

SUSTAIN™
High Performance
Sustainable
Ceiling Systems

Faceted Drywall Grid System for curved drywall ceilings

Pre-engineered suspension system with notched main beams to simplify curved drywall installations and complicated designs.

MADE IN THE USA

KEY SELECTION ATTRIBUTES

- Select items available in High Recycled Content (HRC) (XL8965, XL8945): Total Recycled Content 61%, Post-consumer 53%, Pre-consumer 8%
- Non-HRC items have 30% recycled content
- **PeakForm®** profile increases strength and stability for improved performance during installation
- **XL®** staked-on end detail cross tees for secure locked connection; easy to install
- **Knurled Ridges** on cross tees improve screw grab during board application
- **SuperLock™** main beam clip is engineered for a strong, secure connection and fast, accurate alignment confirmed with an audible click; easy to remove/relocate
- **ScrewStop™** reverse hem prevents screw spin-off on 1-1/2" wide faces
- FrameAll Drywall Grid is part of the Sustain™ portfolio and meets the most stringent industry sustainability compliance standards today
- Pre-notched at either 8" or 16" on center to simplify fabrication of faceted main beam
- **SimpleCurve®** bend to create curves as tight as 52"
- **RC2** clip is used on main beam at every knockout location to reinforce the desired radius; rout hole on clip allows for cross tee placement as required
- Rotary-stitched during manufacture by a patented method
- Minimum G40 hot dipped galvanized coating, per ASTM C645
- 10-Year Limited System Warranty, 30-Year Limited Ceiling Systems Warranty
- Sourced and manufactured in the USA

TYPICAL APPLICATIONS

- Indoor applications
- Barrel vaults and domes
- Groin vaults
- 3-D curves of all types

Meets a broad range of UL® design assemblies: D501, D502, G523, G524, G526, G527, G528, G529, J502, L502, L508, L513, L515, L525, L526, L529, L564, P501, P506, P507, P508, P509, P510, P513, P514, P516 (XL7936G90 and SP135 are not fire rated).

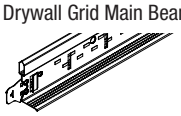
NOTE: See UL Directory for details on specific designs.

MATERIALS

ASTM C635 Intermediate-duty main beam classification, ASTM A653 zinc-coated hot dipped galvanized steel. Exposed surfaces chemically cleansed, zinc-coated, and prefinished. Materials conform to the performance standard ASTM C645 (Standard Specification for Rigid Furring Channels for Screw Applications of Gypsum Board).

VISUAL SELECTION

PACKAGING

	Item No.	Height	Length	Metal Thickness	Packaging Pcs.	Lin. Ft.	LOAD TOTAL DATA* (LBS./LIN. FT.) L/240	L/360
Drywall Grid Main Beams 	**XL8965**	1-11/16"	144"	N/A	20	240	18.4 @ 12'	12.3 @ 4'
	HD8906	1-11/16"	144"	N/A	10	100	18.4 @ 12'	12.3 @ 4'

NOTE: .018" metal thickness meets ASTM C645 for framing

Armstrong® CEILING & WALL SOLUTIONS

FRAMEALL™ Drywall Grid

Curved Ceilings

SUSTAIN™ High Performance Sustainable Ceiling Systems

Declare.

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UP TO 61% RECYCLED CONTENT

Calculate sustainability with Green Genie™ armstrongceilings.com/greengenie

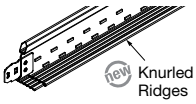
energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
	✓	✓	✓				✓	✓				

▲ LOCATION DEPENDENT

DRYWALL INSTALLATION SYSTEMS – Standard

VISUAL SELECTION

PACKAGING

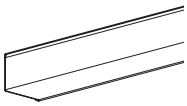
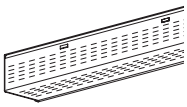
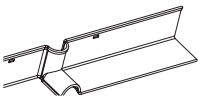
	Item No.	Height	Length	Rout Spacing	Pcs./Ctn	Lin. Ft./Ctn	LOAD TOTAL DATA* (LBS./LIN. FT.) L/240	L/360
Drywall Grid Cross Tees	**XL8965** **XL8965HRC**	1-1/2"	72	6 routs – starting 24" from each end	36	216	6.87 @ 72"	4.58 @ 72"
	**XL8947P** **XL8947PG90**	1-1/2"	50	8 routs – starting 10" from each end – for Type F light fixtures	36	150	19.5 @ 50"	12.79 @ 50"
	XL8945P **XL8945PHRC** **XL8945PG90**	1-1/2"	48	9 routs – center rout and starting 10" from each end – for Type F light fixtures	36	144	22.5	14.27
	XL7936G90	1-1/2"	36	None	36	108	49.96 @ 3'	31.33 @ 3'
	XL8926 **XL8926G90**	1-1/2"	24	3 routs – center rout and 10" from each end	36	72	158 @ 2'	90.25 @ 2'

NOTE: All load test data based on flat installation per ASTM C635.

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

VISUAL SELECTION

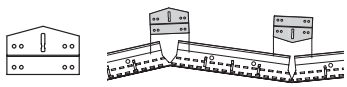
PACKAGING

	Item No.	Height	Length	Metal Thickness	Packaging Pcs.	Lin. Ft.
Locking Angle Molding	**7858**	15/16"	144"	0.018"	20	240
	**LAM12**	1-1/4"	144"	0.018"	10	240
	LAM12HRC	1-1/4"	144"	0.018"	10	240
	LAM151220E	1-1/2"	144"	0.028"	10	120
Knurled Angle Molding	**KAM10**	1-1/4"	120"	0.018"	10	100
	**KAM12**	1-1/4"	144"	0.018"	10	120
	KAM12G90	1-1/4"	144"	0.018"	10	120
	KAM1510	1-1/2"	120"	0.018"	10	100
	KAM1512	1-1/2"	144"	0.018"	10	120
	KAM151020E	1-1/2"	120"	0.028"	10	100
	KAM151220E	1-1/2"	144"	0.028"	10	120
	KAM151020	1-1/2"	120"	0.033"	10	100
	KAM1525G90	1-1/2"	120"	0.018"	10	100
	KAM1520G90	1-1/2"	120"	0.128"	10	100
	KAM21025	2"	144"	0.018"	10	100
	KAM21020EQ	2"	120"	0.028"	10	100
	KAM21020	2"	120"	0.033"	10	100
SimpleCurve® KAM	**SC151220EQ** (37" Radius)	1-1/2"	148"	0.028"	10	124
	**SC151225** (32" Radius)	1-1/2"	148"	0.018"	10	124
	SC21220EQ (55" Radius)	2"	148"	0.028"	10	124
	SC21225 (40" Radius)	2"	148"	0.018"	10	124

NOTE: .018" metal thickness meets ASTM C645 for framing

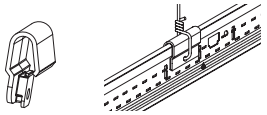
ACCESSORIES

RC2 – Radius Clip – Radius Clip is used for drywall applications which form curved installations; attaches to the cavity side of web of the main beam with four 7/16" pan head screws. Install at all knockout locations.



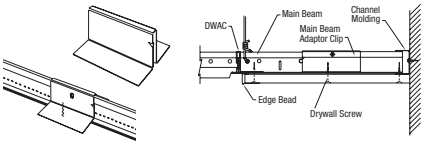
205 pcs
FastShip 50 pcs

IIC – Impact Isolation Clip – Impact Isolation Clip for use with HD8906IIC drywall grid main beam. Provides up to 8 points of IIC improvement to ensure your project meets IBC requirements. IIC Clip must be used with HD8906IIC Drywall Grid Main Beam.



36 pcs

MBAC – Main Beam Adapter Clip – Attaches to web of suspension system section; provides larger surface for screw attachments; used as a hold down clip for thin material (metal or plastic lay-in panels); fastens drywall track to underside of exposed suspension system with lay-in panels, leaving the suspension system face free of screw holes.



70 pcs
FastShip 50 pcs

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FRAMEALL™ Drawn Grid

Curved Ceilings

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

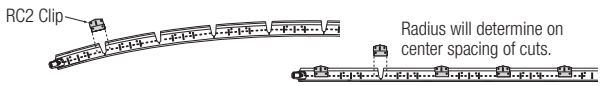
▲ LOCATION DEPENDENT

INSTALLATION NOTES

Curving Main Beams

Creating curved framing for drywall is easy and offers unlimited possibilities.

- Custom radii to suit any design installation
- You control the curve
- Not limited to a preselected or predetermined curved radius
- Full range of clips and accessories make installation easier than bending stud and track



RC2 clip must be installed on faceted main beams when used to frame a flat ceiling.

NOTE: Place RC2 clip on the side of the web where the rotary stitching forms a cavity. This allows the clip to be placed flush with web.

NOTE: RC2 clip must be installed at every knockout location on main beam.

Contractors' efficiency and understanding of the suspended grid system construction provides performance benefits and cost savings.

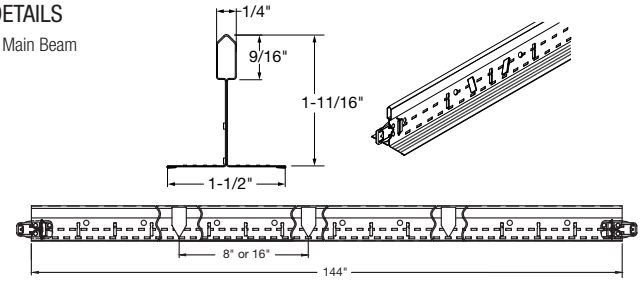
- An unlimited range of vaults and valleys can be constructed using faceted main beams
- Single and multiple curved ceilings can be framed quickly and easily

Working with Vaults

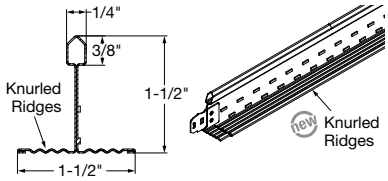
1. Hanger wires must be minimum 12 gauge and spaced along the main beams not more than four feet on center for gypsum board construction and not more than three feet on center for plaster work (spaced as required to support load).
2. For vaults, space the main beams four feet on center for gypsum board construction and three feet on center for plaster. Angle or channel molding is used to frame the ends of the structure. Mains 6' on center is possible, but must consult ISS rep first.
3. Thickness of the sheeting material is determined by its plasticity.
4. Add vertical braces as required to stabilize the frame.
5. See Commercial Ceilings Solutions Guide (BPCS-3479) for additional information.

DETAILS

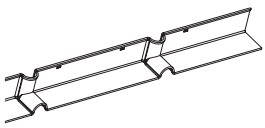
Main Beam



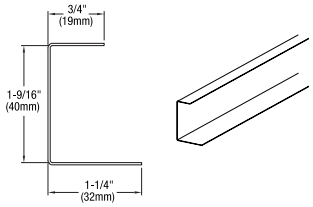
Cross Tees



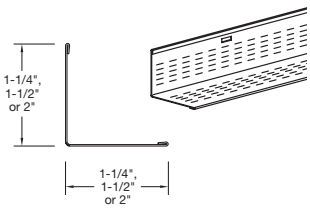
SimpleCurve®



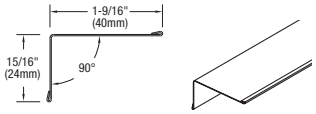
Channel Molding



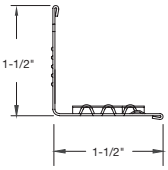
KAM - Knurled Angle Molding



Reverse Molding



Locking Angle Molding LAM22



SEISMIC PERFORMANCE

Main Beams	Minimum Lbs. To Pull Out Compression/Tension
HD8901	348.0
HD8906	374.0

Cross Tees	Minimum Lbs. To Pull Out Compression/Tension
XL8926, XL8925, XL7936G90, XL7341, XL8341, XL8945PHRC, XL8947P, XL8965HRC	377.0

PHYSICAL DATA

Material
Hot dipped galvanized steel

Surface Finish
Unpainted steel

Cross Tee/Main Beam Interface
Override

End Detail
Main Beam: Staked-on clip
Cross Tee: Staked-on clip

Duty Classification
Heavy-dutywater and outdoor applications.

ICC Reports
For areas under ICC jurisdiction, see ICC evaluation report number 1289 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

DRYWALL INSTALLATION SYSTEMS – Standard

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BPCS-3545-223

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