

# 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.

### 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
- **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
- 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; provides superior corrosion resistance
- **XL®** staked-on end detail cross tees for secure locked connection; easy to install
- 10-Year Limited System Warranty, 30-Year Limited Ceiling Systems Warranty

### 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 (XL7936690 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 cleaned, 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

Item No.	Description	Dimensions	Rout Spacing	LOAD TOTAL DATA* (LBS./LIN. FT.)	
				L/240	L/360
<b>HD8906F08</b>	12' Faceted Drywall Main Beam: for creating curved installations	144 x 1-1/2 x 1-11/16"	51 routs – 8" O.C.	18.4 @ 12'	12.3 @ 4'
<b>HD8906F16</b>	12' Faceted Drywall Main Beam: for creating curved installations	144 x 1-1/2 x 1-11/16"	51 routs – 16" O.C.	18.4 @ 4'	12.3 @ 4'

### PACKAGING

Pcs./Ctn	Lin. Ft./Ctn
12	144
12	144

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

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



# DRYWALL Grid

## Curved Ceilings



LEED WELL LBC

UP TO 61% RECYCLED CONTENT

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

Calculate sustainability with GreenGenie™ [armstrongceilings.com/greengenie](http://armstrongceilings.com/greengenie)

LOCATION DEPENDENT

### VISUAL SELECTION

	Item No.	Description	Dimensions	Rout Spacing	LOAD TOTAL DATA* (LBS./LIN. FT.)	
					L/240	L/360
Drywall Grid Cross Tees 1-1/2" Face Profile	XL8965 XL8965HRC	6' Drywall Cross Tee	72 x 1-1/2 x 1-1/2"	6 routs – starting 24" from each end	6.87 @ 72"	4.58 @ 72"
	XL8947P XL8947PG90	50" Drywall Cross Tee	50 x 1-1/2 x 1-1/2"	8 routs – starting 10" from each end – for Type F light fixtures	19.5 @ 50"	12.79 @ 50"
	XL8945P XL8945PHRC XL8945PG90	4' Drywall Cross Tee	48 x 1-1/2 x 1-1/2"	9 routs – center rout and starting 10" from each end – for Type F light fixtures	22.5	14.27
	XL7936G90	3' Drywall Cross Tee	36 x 1-1/2 x 1-1/2"	None	49.96 @ 3'	31.33 @ 3'
	XL8926 XL8926G90	2' Cross Tee	24 x 1-1/2 x 1-1/2"	3 routs – center rout and 10" from each end	158 @ 2'	90.25 @ 2'

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

### PACKAGING

	Pcs./Ctn	Lin. Ft./Ctn
	36	216
	36	150
	36	144
	36	108
	36	72

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

### MOLDINGS

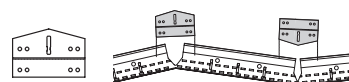
Item No.	Description	Dimensions (Inches)
7838	Unhemmed Channel Molding	120 x 3/4 x 1-9/16"
7858	Reverse Angle Molding	144 x 1-9/16 x 15/16"
LAM12	25 gauge nominal locking angle molding, locking tabs 8" on center, starting 4" from each end	144 x 1-1/4 x 1-1/4"
LAM12HRC	25 gauge nominal locking angle molding, locking tabs 8" on center, starting 4" from each end	144 x 1-1/4 x 1-1/4"
<b>new</b> LAM151220E	12' Locking Angle Molding (Locking tabs 8" O.C.) 22 Gauge (.028" metal thickness)	144 x 1-1/2 x 1-1/2"
KAM10	25 gauge knurled angle molding (.018" Metal Thickness)	120 x 1-1/4 x 1-1/4"
KAM12	25 gauge knurled angle molding (.018" Metal Thickness)	144 x 1-1/4 x 1-1/4"
KAM12G90	25 gauge knurled angle molding (.018" Metal Thickness)	144 x 1-1/4 x 1-1/4"
KAM12HRC	25 gauge knurled angle molding (.018" Metal Thickness)	144 x 1-1/4 x 1-1/4"
KAM1510	25 gauge knurled angle molding (.018" Metal Thickness)	120 x 1-1/2 x 1-1/2"
KAM1512	25 gauge knurled angle molding (.018" Metal Thickness)	144 x 1-1/2 x 1-1/2"
KAM151020E	22 gauge knurled angle molding (.028" Metal Thickness)	120 x 1-1/2 x 1-1/2"
KAM151020	20 gauge knurled angle molding (.033" Metal Thickness)	120 x 1-1/2 x 1-1/2"
KAM151020G90	10 gauge knurled angle molding – G90 galvanized steel coating (.033" Metal Thickness)	120 x 1-1/2 x 1-1/2"
KAM21025	25 gauge knurled angle molding (.018" Metal Thickness)	120 x 2 x 2"
KAM21020EQ	22 gauge knurled angle molding (.028" Metal Thickness)	120 x 2 x 2"
KAM20020	20 gauge knurled angle molding (.033" Metal Thickness)	120 x 2 x 2"
<b>new</b> SC151220EQ	12' x 1.5" SimpleCurve® Knurled Angle Molding – (.028" metal thickness)	148 x 1-1/2 x 1-1/2"
<b>new</b> SC151225	12' x 1.5" SimpleCurve® Knurled Angle Molding – (.018" metal thickness)	148 x 1-1/2 x 1-1/2"
<b>new</b> SC21220EQ	12' x 2" SimpleCurve® Knurled Angle Molding – (.028" metal thickness)	148 x 2 x 2"
<b>new</b> SC21225	12' x 2" SimpleCurve® Knurled Angle Molding – (.018" metal thickness)	148 x 2 x 2"

### PACKAGING

	Pcs./Ctn	Lin. Ft./Ctn
	20	200
	20	240
	10	240
	10	240
	10	120
	10	100
	10	120
	10	120
	10	100
	10	100
	10	100
	10	100
	10	100
	10	100
	10	100
	10	124
	10	124
	10	124
	10	124

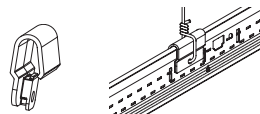
### ACCESSORIES

**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.



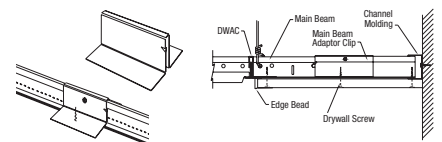
205 pcs  
FastShip 50 pcs

**IC – 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

TechLine 877 276-7876  
[armstrongceilings.com/drywall](http://armstrongceilings.com/drywall)

LEED® is a registered trademark of the U.S. Green Building Council; Declare® and Living Building Challenge® (LBC) are trademarks of the International Living Future Institute®; WELL™ and Well Building Standard are trademarks of the International WELL Building Institute



DRYWALL INSTALLATION SYSTEMS – Standard

# DRYWALL Grid

## Curved Ceilings



**Declare.**

LEED WELL LBC

UP TO 61% RECYCLED CONTENT

- 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

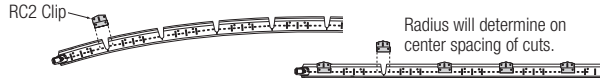
Calculate sustainability with GreenGenie™  
armstrongceilings.com/greengenie

### 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.

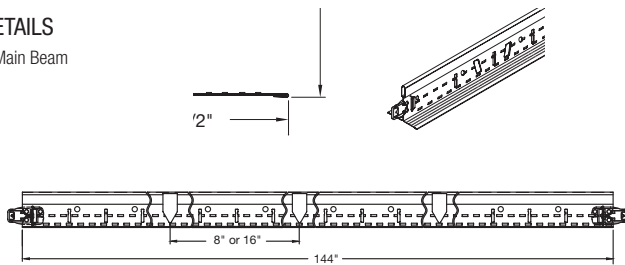
- An unlimited range of vaults and valleys can be constructed using faceted main beams
- Single and multiple curved ceilings can be framed quickly and easily

#### Working with Vaults

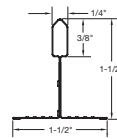
1. Hanger wires must be minimum 12 gauge and spaced along the main beams not more than four feet on center for gypsum board construction and not more than three feet on center for plaster work (spaced as required to support load).
2. For vaults, space the main beams four feet on center for gypsum board 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

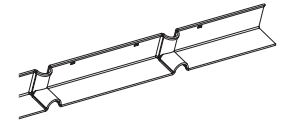
Main Beam



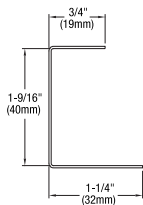
Cross Tees



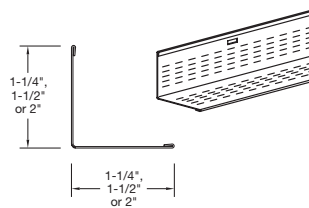
SimpleCurve®



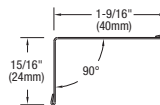
Channel Molding



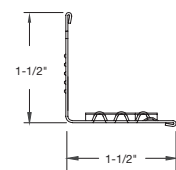
KAM - Knurled Angle Molding



Reverse Molding



Locking Angle Molding LAM22



### SEISMIC PERFORMANCE

Main Beams	Minimum Lbs. To Pull Out Compression/Tension	Cross Tees	Minimum Lbs. To Pull Out Compression/Tension
HD8901	348.0	XL7918, XL8926, XL8925, XL7936G90, XL7341, XL8341,	377.0
HD8906	374.0	XL8945PHRC, XL8947P, XL8965HRC	

### 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-duty water 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