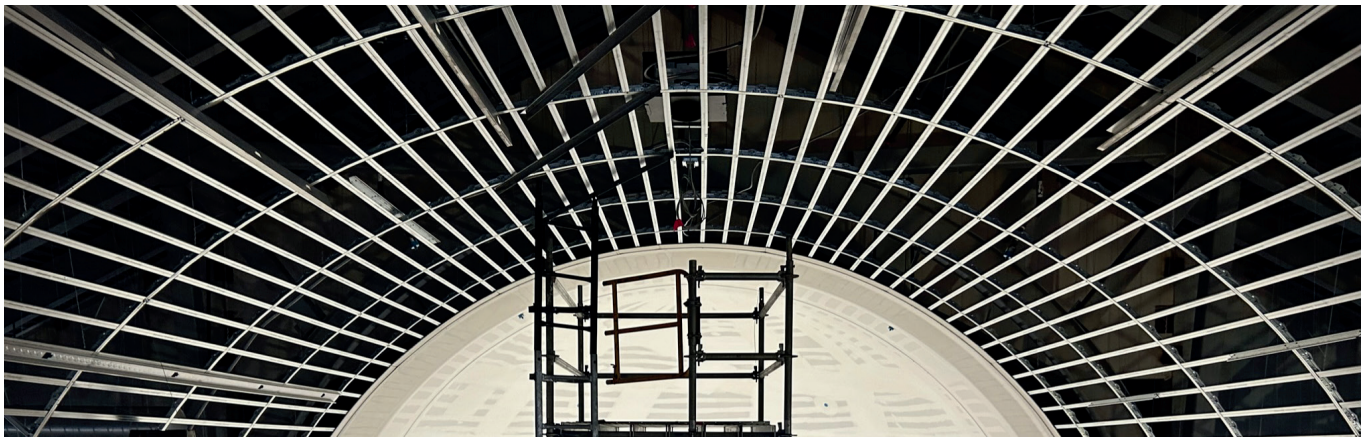
FRAMEALL® Drywall Grid

Curved Ceilings

A FrameAll® Drywall Grid Solution

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
- new **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
- The F08/F16 main beams are pre-notched every 8" or 16" on center to simply creating most curved drywall applications
- **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
- **SimpleCurve®** molding can create curves as tight as 32"
- All FrameAll Grid is rotary stitched during manufacturing for strength and durability
- 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

Meets ASTM A653 for zinc-coated hot dipped galvanized steel. Surfaces are chemically cleansed, zinc-coated, and prefinished. Materials also conform to the performance standard ASTM C645 (Standard Specification for Rigid Furring Channels for Screw Applications of Gypsum Board) and ASTM C635 for Specification for manufacturing and performance of Metal Suspension systems.

VISUAL SELECTION

PACKAGING

	Item No.	Length	Height	Pcs./ Ctn.	LF/ Ctn.	LOAD TEST DATA (LBS/LF) L/240 Simple Span 24"	L/240 36"	L/240 48"	L/360 24"	L/360 36"	L/360 48"
Drywall Grid Main Beams 	HD8906 HD8906G90 HD8906HRC HD8906IIC	144"	1-11/16"	12	144	120.0	48.95	28.14	95.5	43.19	18.66
	HD890610	120"	1-11/16"	12	120	120.0	48.95	28.14	95.5	43.19	18.66
	HD8906F08* HD8906F16*	144"	1-11/16"	12	144	N/A	N/A	N/A	50.00	23.63	12.3

	Item No.	Length	Height	Pcs./ Ctn.	LF/ Ctn.	LOAD TEST DATA (KG/LM) L/240 Simple Span 24" 609.60mm	L/240 36" 914.40mm	L/240 48" 1219.20mm	L/360 24" 609.60mm	L/360 36" 914.40mm	L/360 48" 1219.20mm
Drywall Main Beams – Metric	HD7940*	3600mm	43mm	12	138.80	213.2	72.83	72.83	142.12	64.27	27.77
	7940G*	3600mm	43mm	12	141.73	153.8	73.57	73.57	102.52	49.05	21.24

Red Numbers are Fire Guard items. For fire-rated assemblies, use Type C gypsum board as noted in the UL® fire-rated assembly designs.
NOTE: All load test data based on flat installation per ASTM C635.
* These items are NOT Type F fixture compatible

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

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Armstrong® World Industries

FRAMEALL® Drywall Grid

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SUSTAIN™ High Performance Sustainable Ceiling Systems

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LEED® WELL™ LBC

UP TO 61% RECYCLED CONTENT

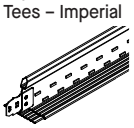
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energy management | construction waste mgmt | regional materials | design for flexibility | EPD | recyclable/ extended producer resp. | biobased materials | recycled content | sourcing of raw materials | material ingredient reporting | low emitting/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

LOCATION DEPENDENT

VISUAL SELECTION

PACKAGING

	Item No.	Length	Height	Pcs./ Ctn.	LF/ Ctn.	LOAD TEST DATA (LBS./LF) L/240 Simple Span	L/360 Simple Span
Drywall Cross Tees – Imperial 	XL8965 XL8965HRC XL8965G90	72"	1-1/2"	36	216	6.87 @ 72"	4.58 @ 72"
	XL8947P XL8947PG90	50"	1-1/2"	36	150	19.5 @ 50"	12.79 @ 50"
	XL8945P XL8945PHRC XL8945PG90	48"	1-1/2"	36	144	22.5 @ 48"	14.27 @ 48"
	XL8940	40"	1-1/2"	36	119	36.22 @ 40"	24.15 @ 40"
	XL7936G90*	36"	1-1/2"	36	108	45.7 @ 36"	31.33 @ 36"
	XL8926 XL8926G90	24"	1-1/2"	36	72	119.0 @ 24"	90.25 @ 24"

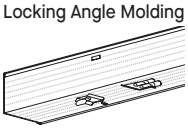
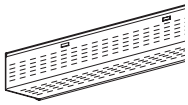
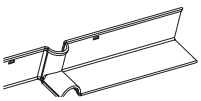
	Item No.	Length	Height	Pcs./ Ctn.	LF/ Ctn.	LOAD TEST DATA (LBS./LF) L/240 Simple Span	L/360 Simple Span	LOAD TEST DATA (KG./LM) L/240 Simple Span	L/360 Simple Span
Drywall Cross Tees – Metric	XL7961*	1600mm	38mm	36	188.90	10.25 @ 72"	6.84 @ 72"	15.21 @ 1600mm	10.15 @ 1600mm
	XL7930*	1200mm	38mm	36	138.80	22.4 @ 48"	14.93 @ 48"	33.48 @ 1200mm	21.24 @ 1200 mm
	XL7925*	900mm	38mm	36	108	51.92 @ 36"	34.61 @ 36"	68.01 @ 900 mm	46.62 @ 900mm
	XL7920*	600mm	38mm	36	69.40	114.59 @ 24"	79.39 @ 24"	177.15 @ 600mm	134.31 @ 600mm

Red Numbers are Fire Guard items. For fire-rated assemblies, use Type C gypsum board as noted in the UL® fire-rated assembly designs.
NOTE: All load test data based on flat installation per ASTM C635.
* These items are NOT Type F fixture compatible

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

VISUAL SELECTION

PACKAGING

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

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

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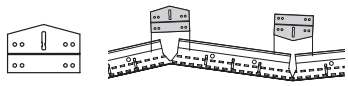
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energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting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

▲ LOCATION DEPENDENT

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

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.

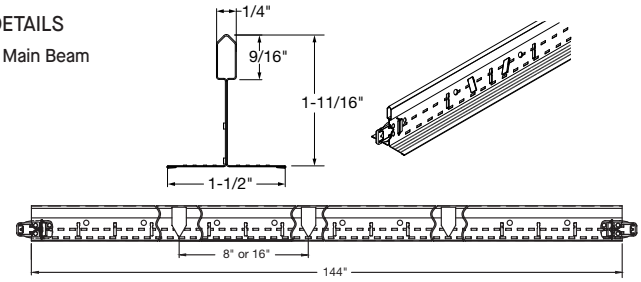
- An unlimited range of vaults and valleys can be constructed using faceted main beams
- Single and multiple curved ceilings can be framed quickly and easily

Working with Vaults

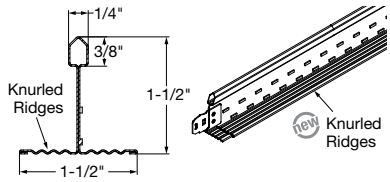
1. Hanger wires must be minimum 12 gauge and spaced along the main beams not more than four feet on center for gypsum board construction and not more than three feet on center for plaster work (spaced as required to support load).
2. For vaults, space the main beams four feet on center for gypsum board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

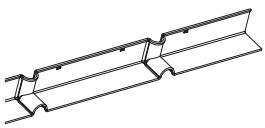
Main Beam



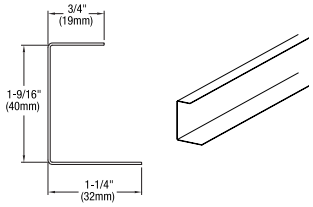
Cross Tees



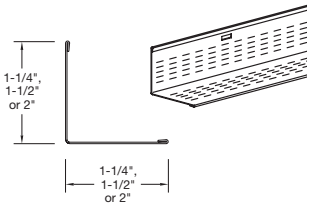
SimpleCurve®



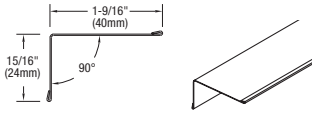
Channel Molding



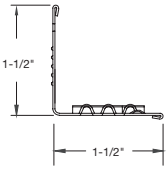
KAM - Knurled Angle Molding



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-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

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BPCS-3545-425

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