

DRYWALL/STUCCO/PLASTER – Flat Ceilings

Suspension Systems

KEY SELECTION ATTRIBUTES

An economical alternative to stud and track construction that is fast and easy to install. Provides practical solutions to many interior installation conditions.

- Some components available in High Recycled Content (HRC): Total Recycled Content 61%, Post-consumer 53%, Pre-consumer 8%
- Non-HRC items have 30% recycled content
- **PeakForm**® patented profile increases strength and stability for improved performance during installation
- **SuperLock**™² main beam clip is engineered for a strong, secure connection and fast, accurate alignment confirmed with an audible click; easy to remove and relocate



- HD8906IIC main beam accepts integral Impact Isolation Clips (IIC) to provide up to eight points of IIC improvement.
- **ScrewStop**™ reverse hem prevents screw spin off on 1-1/2" wide face
- Rotary-stitched during manufacture by a patented method for additional torsional strength and extra stability during installation
- HD8906 (HRC) main beams and cross tees with extra routings for Type F light fixtures
- Minimum G40 hot dipped galvanized coating, per ASTM C645; provides superior corrosion resistance
- Wind uplift construction available
- **XL**² (staked-on end detail) cross tees provide secure locked connection; fast and easy to install
- All drywall components minimum .018" steel thickness; complies with ASTM C645
- Accommodates stud, track, hat channel, wood, or other supplemental framing
- Fire Guard™ components meet broad range of UL design assemblies (XL7936G90 is not fire rated)
- 10-Year Limited System Warranty
- 30-Year Limited Ceiling Systems Warranty
- G90 hot dipped galvanized coating is available for exterior applications (HD8906G90, XL8945PG90, XL8947PG90, XL8965G90, XL8925G90, XL7936G90)

TYPICAL APPLICATIONS

- Indoor/outdoor applications
- Soffits/special transitions
- High visibility areas
- Combination drywall and acoustical panel or tile ceilings
- Barrel vaults and domes
- Wet installations (stucco/plaster)

FIRE RESISTANCE RATING

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).

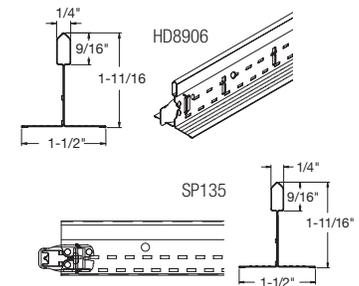
NOTE: See UL Directory for details on specific designs.

MATERIALS

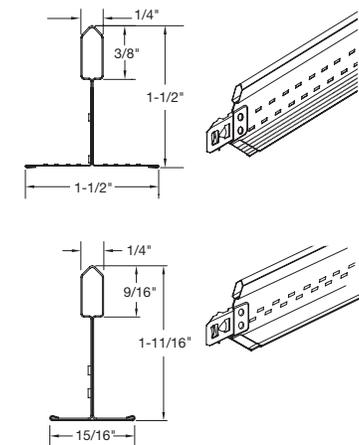
ASTM C635 Heavy-duty main beam classification, ASTM A653 zinc-coated hot dipped galvanized steel. Exposed surfaces chemically cleansed, zinc-coated, and prefinished. Materials conform to the performance standard ASTM C645 (Standard Specification for Rigid Furring Channels for Screw Applications of Gypsum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

VISUAL SELECTION

Item No.	Face Profile	Description	Route Spacing	Dimensions (Inches)	Hanger Spacing Lbs./Lin. Ft.		
Drywall Main Beams (Red Numbers are Fire Guard Items)					2 Ft.	3 Ft.	4 Ft.
<input type="checkbox"/> HD8906	1-1/2"	12' HD Drywall Main Beam (For Type F Light Fixtures)	42 routes – starting 2-1/4" from each end†	144 x 1-1/2 x 1-11/16"	95.5	43.19	18.66
<input type="checkbox"/> HD8906HRC							
<input type="checkbox"/> HD8906G90							
<input type="checkbox"/> HD8906IIC							
<input type="checkbox"/> HD890610	1-1/2"	10' HD Drywall Main Beam (For Type F Light Fixtures)	51 routes – starting 2-1/4" from each end†	120 x 1-1/2 x 1-11/16"	95.5	43.19	18.66
<input type="checkbox"/> SP135	1-1/2"	135" HD Stucco Main Beam G90	13.5" O.C.	135 x 1-1/2 x 1-11/16"	95.5	43.19	18.66



Item No.	Face Profile	Description	Route Spacing	Dimensions (Inches)	Hanger Spacing Lbs./Lin. Ft.	
Drywall Cross Tees						
<input type="checkbox"/> XL8965	1-1/2"	6' Drywall Cross Tee	6 routes – starting 24" from each end†	72 x 1-1/2 x 1-1/2"	6'	4.58
<input type="checkbox"/> XL8965HRC						
<input type="checkbox"/> XL8947P	1-1/2"	50" Drywall Cross Tee	8 routes – starting 10" from each end†	50 x 1-1/2 x 1-1/2"	50"	12.79
<input type="checkbox"/> XL8945P	1-1/2"	4' Drywall Cross Tee	9 routes – center route and starting 10" from each end†	48 x 1-1/2 x 1-1/2"	4'	14.27
<input type="checkbox"/> XL8945PHRC						
<input type="checkbox"/> XL7936G90	1-1/2"	3' Drywall Cross Tee	none	36 x 1-1/2 x 1-1/2"	3'	31.33
<input type="checkbox"/> XL8925	1-1/2"	26" Drywall Cross Tee	2 routes – 12" from each end†	26 x 1-1/2 x 1-1/2"	26"	76.07
<input type="checkbox"/> XL8926	1-1/2"	2' Cross Tee	3 routes – center route and 10" from each end†	24 x 1-1/2 x 1-1/2"	2'	90.25
<input type="checkbox"/> XL7918	1-1/2"	14" Cross Tee	none†	14 x 1-1/2 x 1-1/2"	14"	–
<input type="checkbox"/> XL7341	15/16"	4' Cross Tee	3 routes – starting 12" from each end	48 x 1-11/16 x 15/16"	4'	16.00
<input type="checkbox"/> XL8341	15/16"	4' Cross Tee	3 routes – starting 12" from each end	48 x 1-11/16 x 15/16"	4'	16.00



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

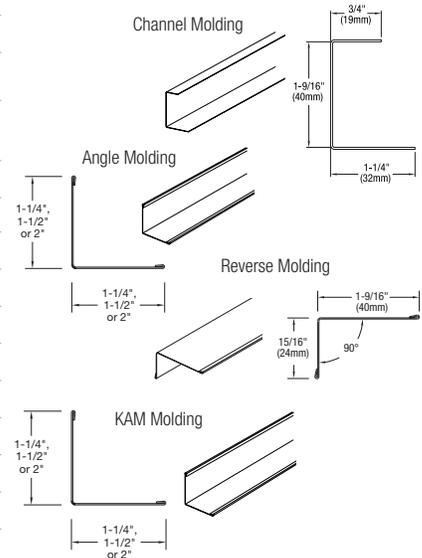
ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

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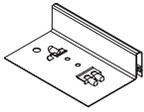
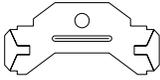
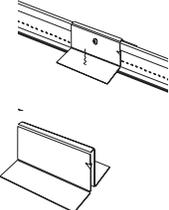
Grid Systems

VISUAL SELECTION

Item No.	Description	Dimensions (Inches)	Gauge
Moldings			
<input type="checkbox"/> 7838	Unhemmed channel molding, nominal	120 x 3/4 x 1-9/16"	25
<input type="checkbox"/> 7858	Reverse angle molding, nominal	144 x 1-9/16 x 15/16"	25
<input type="checkbox"/> LAM12	Nominal locking angle molding, locking tabs 8" on center, starting 4" from each end	144 x 1-1/4 x 1-1/4"	25
<input type="checkbox"/> LAM12HRC	Nominal locking angle molding, locking tabs 8" on center, starting 4" from each end	144 x 1-1/4 x 1-1/4"	25
<input type="checkbox"/> KAM10	Knurled angle molding	120 x 1-1/4 x 1-1/4"	25
<input type="checkbox"/> KAM12	Knurled angle molding	144 x 1-1/4 x 1-1/4"	25
<input type="checkbox"/> KAM12G90	Knurled angle molding	144 x 1-1/4 x 1-1/4"	25
<input type="checkbox"/> KAM12HRC	Knurled angle molding	144 x 1-1/4 x 1-1/4"	25
<input type="checkbox"/> KAM1510	Knurled angle molding	120 x 1-1/2 x 1-1/2"	25
<input type="checkbox"/> KAM1512	Knurled angle molding	144 x 1-1/2 x 1-1/2"	25
<input type="checkbox"/> KAM151020E	Knurled angle molding	120 x 1-1/2 x 1-1/2"	22
<input type="checkbox"/> KAM151020	Knurled angle molding	120 x 1-1/2 x 1-1/2"	20
<input type="checkbox"/> KAM21025	Knurled angle molding	120 x 2 x 2"	25
<input type="checkbox"/> KAM21020EQ	Knurled angle molding	120 x 2 x 2"	22
<input type="checkbox"/> KAM20120	Knurled angle molding	120 x 2 x 2"	20



ACCESSORIES: (For more information, see Drywall Accessories Submittal Sheet, BPCS-3082)

<input type="checkbox"/> DW58LT	Transition Clip for 5/8" Drywall with Locking Tabs; facilitates transition from drywall to acoustical ceiling; one-sided hold down clip; eliminates need for drywall bead. Locking tabs provide secure location for DGS cross tees. 125 pcs/bucket	
<input type="checkbox"/> IIC NEW	Impact Isolation Clip for use with HD8906IIC drywall grid main beam. Provides up to eight points of IIC improvement to ensure your project meets IBC requirements. 35 pcs/box	
<input type="checkbox"/> MBSC2	Main Beam Spacer Clip (2" in length) is used to space two parallel main beams 2" O.C. for air supply or return. 200 pcs/bucket	
<input type="checkbox"/> 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 suspension system face free of screw holes 70 pcs/bucket	
<input type="checkbox"/> DWC	Drywall Clip allows for a "second" ceiling to be installed below a drywall ceiling; attach through installed drywall to supporting structure. 250 pcs/bucket	

Main Beam Load Test Data

Main Beams	Length	Web Height	ASTM Class	Hanger Spacing (Lbs./L.F. Simple Span)					
				2'	3'	4'	2'	3'	4'
HD8906/HD890610	144"/120"	1-11/16"	Heavy-duty	143.0	57.3	28.14	95.50	43.19	18.66
HD8906HRC	144"	1-11/16"	Heavy-duty	143.0	57.3	28.14	95.50	43.19	18.66
HD8906IIC	144"	1-11/16"	Heavy-duty	143.0	57.3	28.14	95.50	43.19	18.66
SP135	135"	1-11/16"	Heavy-duty	139.85	52.59	28.71	-	43.19	18.66

Cross Tee Load Test Data

Cross Tee	Length	Web Height	Hanger Spacing (Lbs./L.F. Simple Span)									
			L/240				L/360					
			2'	3'	4'	50'	72'	2'	3'	4'	50'	72'
XL7918	14"	1-1/2"	107.0					71.5				
XL8926	24"	1-1/2"	158.0					90.25				
XL8925	26"	1-1/2"	117.0					76.07				
XL7936G90	36"	1-1/2"	50.0					31.33				
XL8945P	48"		22.5					14.27				
XL8945PHRC	48"		22.5					14.27				
XL8947P	50"		19.5					12.79				
XL8965HRC	72"					6.87					4.58	

Seismic Performance

Seismic loading: ICC Evaluation Service, Inc., ESR-1289
2009 & 2006 International Building Code
1997 Uniform Building Code, Continuous Membrane, One Level;
Per Section 25.210. Consult local code for requirement.

Main Beams	Minimum Lbs. To Pull Out Compression/Tension
HD8906/HD890610 / HD8906HRC	332.3
HD8906IIC	332.3
Cross Tees	
XL7918, XL8926, XL8925, XL7936G90, XL8945PHRC, XL8945P	380.1
XL8947P, XL8965HRC	

ICC Reports

For areas under ICC jurisdiction, see ICC evaluation report number ESR-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.

For fixture weight and UL listings, see Drywall Grid Systems for Flat Applications Technical Guide BPCS-3539.

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