

Drywall

APPLICATIONS

Chicago Metallic 640 (Hook) 1-3/8"

Chicago Metallic 660 (Stab) 1-3/8"

Chicago Metallic Fire Rated 650 (Hook) 1-3/8"

Chicago Metallic Fire Rated 670 (Stab) 1-3/8"

Chicago Metallic Curved Radius 1-3/8"

Chicago Metallic SpanFast® 1-3/8"

Chicago Metallic GRG Access Doors



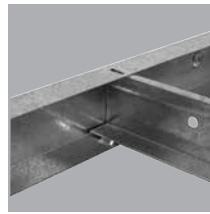
1-3/8" Drywall Grid
Non-Fire and Fire Rated

03



1-3/8" Drywall Grid
Curved Radius


06



SpanFast®

13

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Other Chicago Metallic Suspension Systems

Refer to the **General Applications** product guide for fire-rated and non-rated suspension systems that are designed for general use areas.

Refer to the **Special Applications** product guide for suspension systems for harsh and controlled environments.



Drywall 1-3/8"

Chicago Metallic 640 / 660 - 650 / 670

**Non-Fire Rated and Fire Rated
Double Web
Direct Hung Drywall**

Applications

Hospitals, hospitality, retail, lobbies, department stores, galleries, residential high rise.

Grid Systems

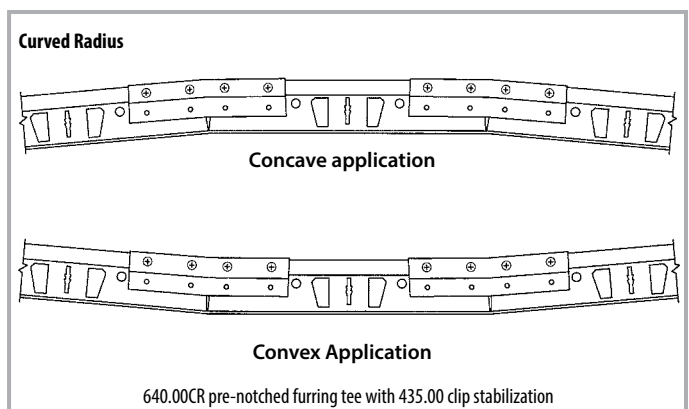
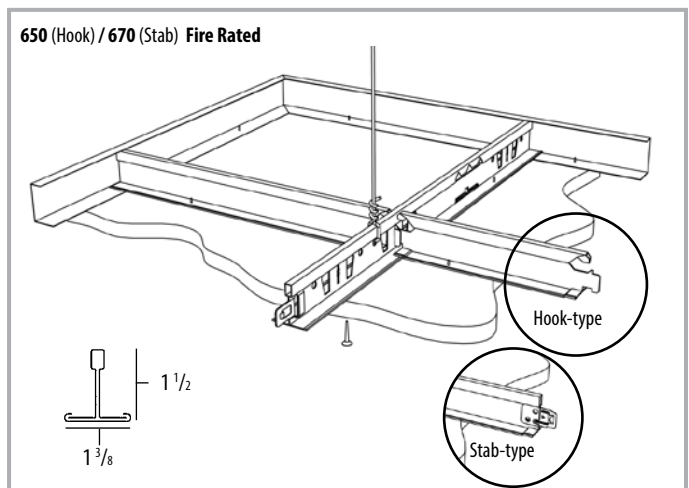
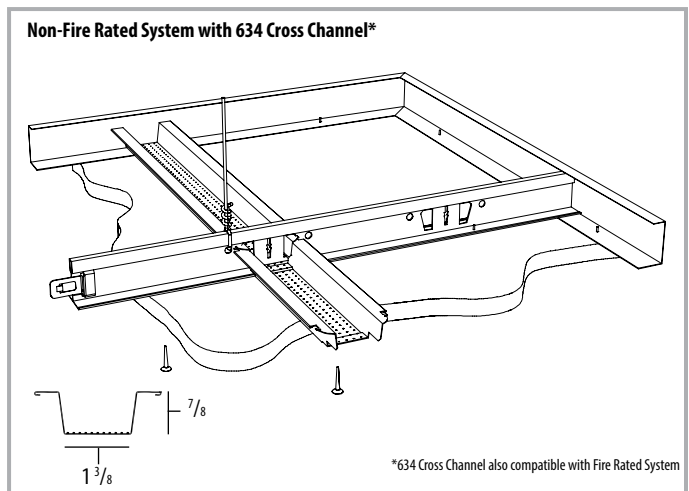
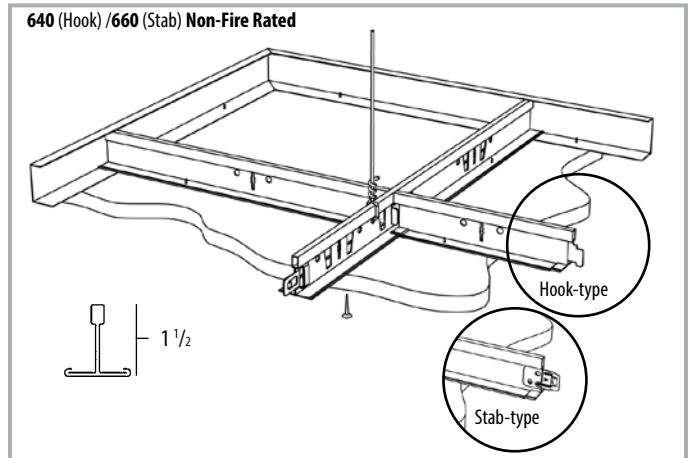
Features

- Heavy duty grid systems for drywall ceiling framing.
- Fire, seismic and flatness control.
- Reduces onsite labor.
- Eliminates black-iron and hat-channel.
- Reliable appearance and cost control.
- Precise transition between acoustical and drywall ceilings.
- Minimum 25% recycled content, 100% locally recyclable.

Curved Radius Drywall

Features

- Radius furring tee comes pre-notched for custom forming.
- Drywall is screwed to the radius furring tee in the same manner as standard drywall applications.
- Minimum 25% recycled content, 100% locally recyclable.



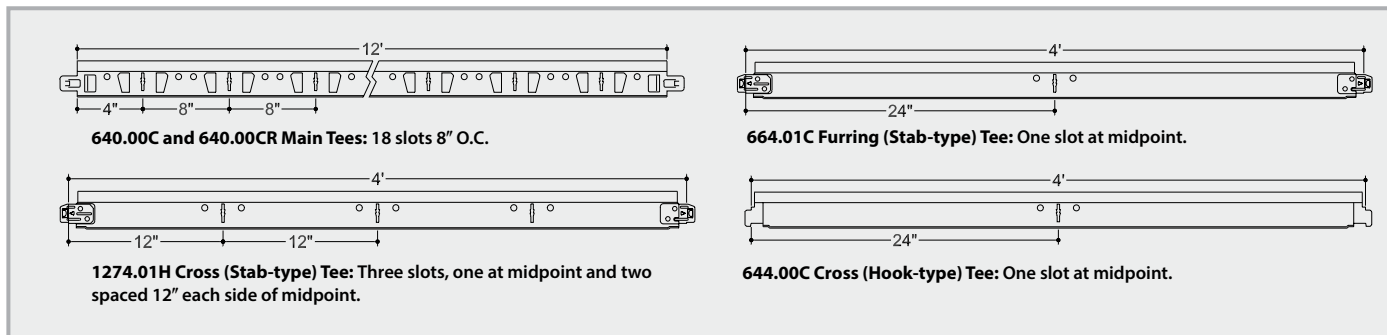
Component Slotting and Hanger Hole Placement

All overall lengths shown are nominal dimensions.

Hanger Holes: MAIN TEES – 3/4" each side of cross tee slot, and 2 additional holes equally spaced between cross tee slots.

CROSS TEES – 3/4" each side of cross tee slot, and 2 additional holes equally spaced between cross tee slots, in all cross tees having slots.

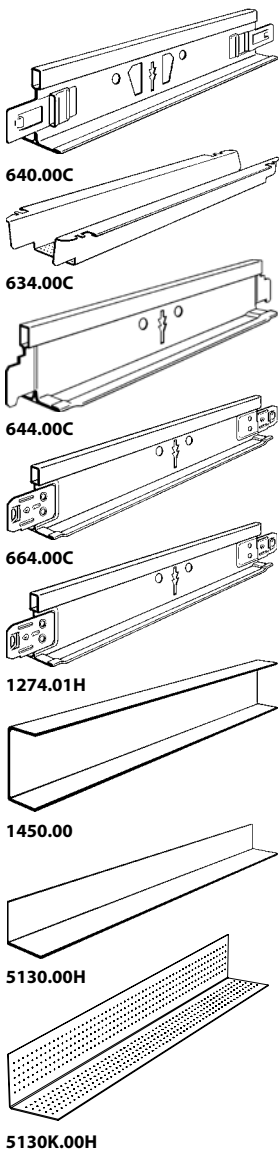
640 /660 1-3/8"



Components

640 / 660 1-3/8" Non-Fire Rated

Chicago Metallic suspension systems meet a Class A Flame Spread Rating



Product Number	Dimensions			Feet	Per Carton		
	Length	Height	Face		Pieces	Weight (lb)	
Furring Runner							
640.00C	12'	1 1/2"	1 3/8"	240	20	86	
Cross Channel							
634.00C	4'	7/8"	1 3/8"	200	50	57	
Furring Tee - Hook-type							
644.00C	4'	1 1/2"	1 3/8"	160	40	46	
Furring Tees - Stab-type							
664.00C	4'	1 1/2"	1 3/8"	160	40	46	
Cross Tee*							
1274.01H	4'	1 1/2"	15/16"	200	50	61	
* Used to support NEMA Type G light fixture.							
Wall Track							
1450.00	12'	1 9/16"	1"	120	10	28	
Utility Angle							
5130.00H	10'	1 1/2"	1 1/2"	300	30	70	
Utility Angle — Knurled							
5130K.00H	10'	1 1/2"	1 1/2"	300	30	70	

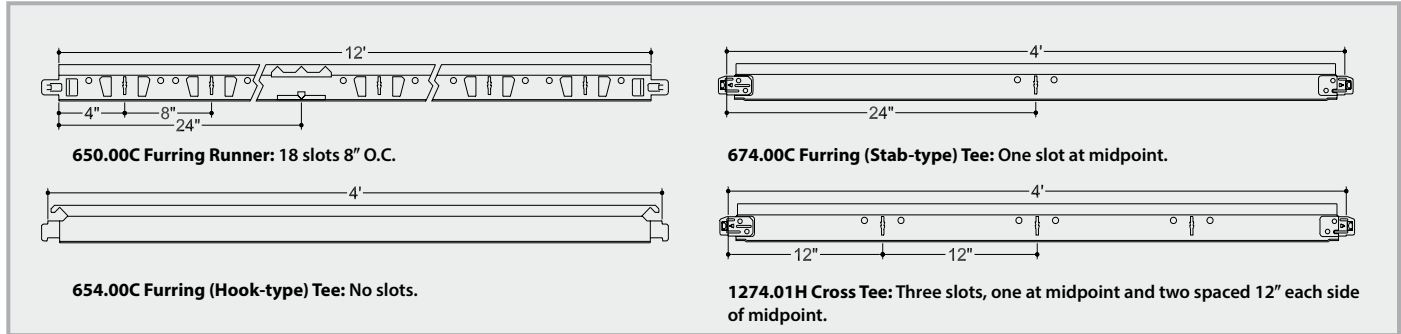
Component Slotting and Hanger Hole Placement

All overall lengths shown are nominal dimensions.

Hanger Holes: MAIN TEES - 3/4" each side of cross tee slot, and 2 additional holes equally spaced between cross tee slots.

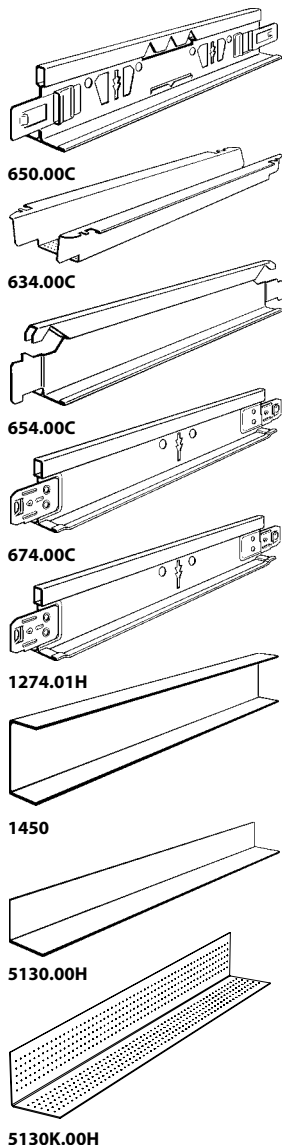
CROSS TEES - 3/4" each side of cross tee slot, and 2 additional holes equally spaced between cross tee slots, in all cross tees having slots.

650 /670 1-3/8"



Components 650 / 670 1-3/8" Fire Rated *

Chicago Metallic suspension systems meet a Class A Flame Spread Rating



Product Number	Dimensions			Feet	Per Carton Pieces	Weight (lb)
	Length	Height	Face			
Furring Runner						
650.00C	12'	1 1/2"	1 3/8"	240	20	86
Cross Channel						
634.00C	4'	7/8"	1 3/8"	200	50	43
Furring Tee - Hook type End Tab						
654.00C	4'	1 1/2"	1 3/8"	160	40	46
Furring Tee - Stab type End Tab						
674.00C	4'	1 1/2"	1 3/8"	160	40	46
Cross Tee - Stab type End Tab						
*1274.01H	4'	1 1/2"	1 5/16"	200	50	61
* Used to support NEMA Type G light fixture.						
Wall Track						
1450.00	12'	1 9/16"	1"	120	10	28
Utility Angle						
5130.00H	10'	1 1/2"	1 1/2"	300	30	70
Utility Angle — Knurled						
5130K.00H	10'	1 1/2"	1 1/2"	300	30	70

UL® Fire Resistant Designs

Floor and Ceiling Designs – Type 650

D501, D502, D503, G523, G524, G525, G526, G527, G528, G529, J502, L211**, L502, L508, L513, L515, L525, L526, L529

Roof and Ceiling Designs – Type 650

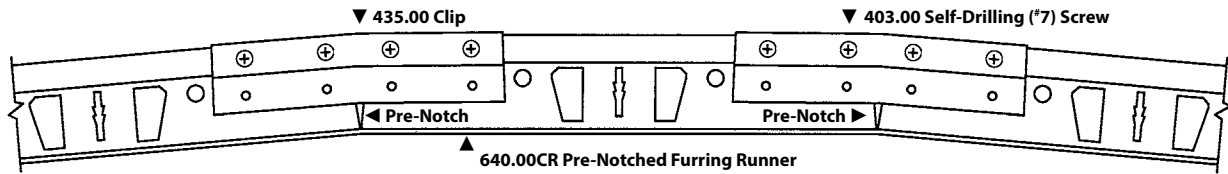
P237**, P239**, P241**, P501, P506, P507, P508, P509, P510, P513, P514

* For three hour time rated designs please contact ROCKFON Technical Services.

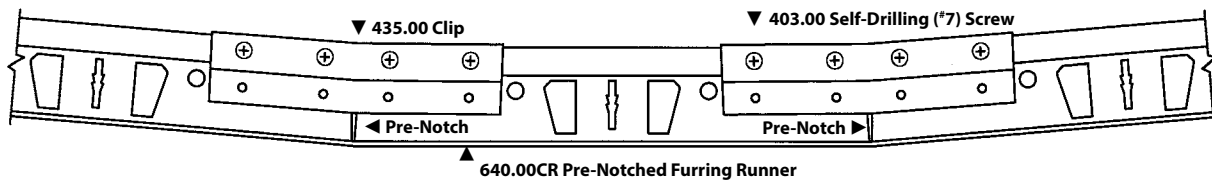
** System used in upper plenum - Consult U.L. Fire Resistance Directory for details.

Installing 640.00CR Furring Runner with #435.00 Clip Stabilization

Concave Application



Convex Application



NOTE: Minimum radius for the convex application is 50". Consult gypsum board mfr. to determine if the minimum allowable panel radius is compatible with the 640.00CR furring runner minimum radius.

Stabilization of the 640.00CR furring runner can be achieved by affixing the 435.00 stabilizing clip to the side of the bulb of the furring runner, creating a strong, durable installation.

Installation Procedures

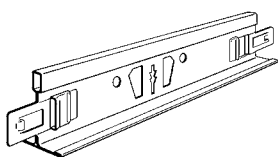
1. The installer should create an outline of the required radius on a flat surface using chalk and a stringline and then shape the 640.00CR furring runner to this outline.
2. Shown above are the mountings of the 435.00 clips that are temporarily mounted to span the notched locations along the entire length of the 640.00CR furring runner.

3. If the desired means of 640.00CR furring runner stabilization are that as shown above, affix the 435.00 clips to the side of the furring runner bulb using 403.00 self-drilling (#7) screws.

This method of reinforcement offers a neat and easy means of preventing misalignment of the curved radius.

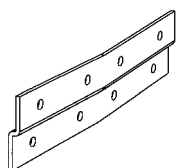
Components

Curved Radius 1-3/8" Non-Fire Rated



640.00C

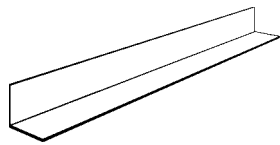
Product Number	Dimensions			Feet	Per Carton	
	Length	Height	Face		Pieces	Weight (lb)
Curved Furring Runner						
640.00CR	12'	1 1/2"	1 3/8"	240	20	86



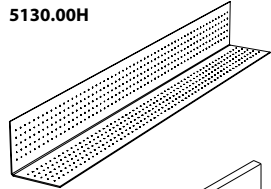
435.00

Product Number	Description	Feet	Per Order	
			Pieces	Weight (LF)
Radius Accessories				
435.00	Drywall Furring Runner Clip	-	210	1
403.00	Affixes 435 Clip to Furring Runner	-	1000	1

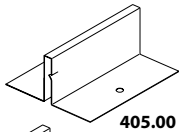
Accessories



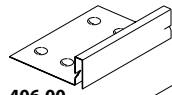
5130.00H



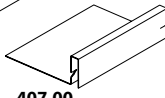
5130K.00H



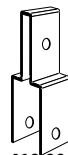
405.00



406.00



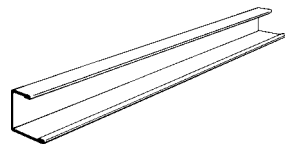
407.00



410.00



408.00



676.01 through 682.00

Product Number	Nominal Dimensions			Per Carton		
	Length	Height	Face	Feet	Pieces	Weight (lb)

Utility Angle

5130.00H	10'	1 1/2"	1 1/2"	300	30	70
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Utility Angle — Knurled

5130K.00H	10'	1 1/2"	1 1/2"	300	30	70
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Drywall Transition Accessories

405.00	Drywall Track Clip			–	100	16
406.00	Drywall Transition Clip for 1/2" drywall			–	200	23
407.00	Drywall Transition Clip for 5/8" drywall			–	200	23

Direct Hang Clips

408.00	Strap Clip			–	100	5
*410.00	Transfer Load Clip for use 15/16" grid			–	500	28

* To suspend decorative ceilings under acoustical ceilings.

Product Number	Nominal Dimensions				Per Carton		
	Length	Flange	I.D.	Flange	Feet	Pieces	Weight (lb)

Slip-on "J" Trim Moldings — 01 White Finish, Hemmed Edges

676.01	10'	1/2"	1 1/2"	7/8"	1000	100	77
678.01	10'	1/2"	5/8"	7/8"	800	80	65
680.01	10'	1/2"	3/4"	7/8"	750	75	65
682.01	10'	1/2"	1"	7/8"	500	50	50

Palletization

Product Number	Cartons Per Pallet	Weight Per Pallet	LF Per Pallet	Product Number	Product Length	Cartons Per Pallet	Weight Per Pallet	LF Per Pallet
Furring Runners				Wall Track				
640.00C	28	2,408	6,720	1450.00	12	84	2,304	5,040
640.00CR	28	1,428	4,032	Slip-on Molding				
650.00C	28	2,408	6,720	676.01	10	18	1,386	18,000
4 Ft. Furring Tees				680.01	10	18	1,170	13,500
644.00C	40	1,840	6,400	682.01	10	18	900	9,000
664.00C	40	1,840	6,400	678.01	10	18	1,170	14,400
668.00C	40	1,720	6,400					
4 Ft. Cross Tees								
654.00C	40	1,840	6,400					
1274.01H	40	2,440	8,000					

Component Data

640 (Hook) / 660 (Stab) Non-Fire Rated Drywall Furring System

Test Data Based on $\frac{1}{360}$ Span Deflection ALLOWABLE LOAD per ASTM C635 [■]				
Furring Runner	Length	Component Dimensions		Hanger Spacing 4'
		Face	Height	
640.00C	12'	1 $\frac{3}{8}$ "	1 $\frac{1}{2}$ "	HD
Furring Channel				
634.00C	4'	1 $\frac{3}{8}$ "	7 $\frac{7}{8}$ "	8.2
Furring Tees				
644.00C	4'	1 $\frac{3}{8}$ "	1 $\frac{1}{2}$ "	18.6
664.00C	4'	1 $\frac{3}{8}$ "	1 $\frac{1}{2}$ "	18.6
Cross Tee				
1274.01H	4'	1 $\frac{5}{16}$ "	1 $\frac{1}{2}$ "	17.0

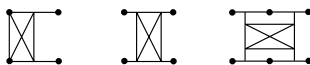
[■]To convert data into lb/ft², divide on center spacing of component into lb/ft.

650 (Hook) / 670 (Stab) Fire Rated Drywall Furring System

Test Data Based on $\frac{1}{360}$ Span Deflection ALLOWABLE LOAD per ASTM C635 [■]				
Furring Runner	Length	Component Dimensions		Hanger Spacing 4'
		Face	Height	
650.00C	12'	1 $\frac{3}{8}$ "	1 $\frac{1}{2}$ "	HD
Furring Channel				
634.00C	4'	1 $\frac{3}{8}$ "	7 $\frac{7}{8}$ "	8.2
Furring Tees				
654.00C	4'	1 $\frac{3}{8}$ "	1 $\frac{1}{2}$ "	18.6
674.00C	4'	1 $\frac{3}{8}$ "	1 $\frac{1}{2}$ "	18.6
Cross Tee				
1274.01H	4'	1 $\frac{5}{16}$ "	1 $\frac{1}{2}$ "	17.0

[■]To convert data into lb/ft², divide on center spacing of component into lb/ft.

Hanger Positions for Non-Fire Rated Situations



This illustrates hanger positions for single fixtures in a field. Provide extra hangers for tandem fixtures.

Hanger Positions for Fire Rated Situations



This illustrates hanger positions for single fixtures in a field. Refer to specific design numbers for allowable number of fixtures per square footage of ceiling area.

Membrane Loading

Component Combination FR/FT	Data is Pounds Per Square Foot (PSF)	
	Hanger Wire / Furring Tee Spacing	
	48"/24"	32"/16"
640.00C / 644.00C	6.9	10.4
640.00C / 644.00C / 1274.01H	5.5	6.2
650.00C / 654.00C	6.6*	7.7*
650.00C / 654.00C / 1274.01H	5.5*	6.2*
650.00C / 674.00C	6.6*	7.7*
650.00C / 674.00C / 1274.01H	5.5*	6.2*
640.00C / 664.00C	6.9	10.4
640.00C / 664.00C / 1274.01H	5.5	6.2

[▼] Membrane loading is not applicable when these components are used in a fire rated assembly. Consult U.L. Fire Resistance Directory for installation details. 48"/24" data is based on hanger wires installed within 4" of each furring runner fire expansion.

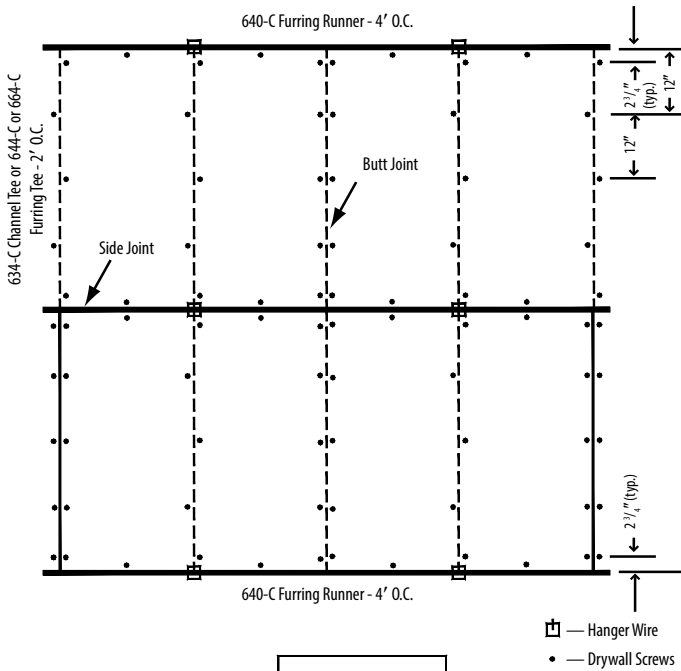
Specification Data

Product information for integration into ceiling specification

suspension type		640 / 660 Non-Fire Rated	650 / 670 Fire Rated
material	body	HD Galvanized	•
	cap	HD Galvanized	•
size	width	1 3/8", 15/16"	1 3/8", 15/16"
	height	1 1/2"	1 1/2"
fire	flame spread class-A per ASTM E 84	•	•
performance	heavy duty per ASTM C 635	•	•
	exterior environment	•	•
warranty	40 year limited	•	•
sustainability	Minimum 25% recycled content, 100% locally recyclable, global/regional manufacture	•	•

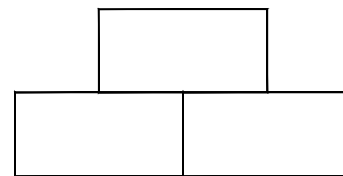
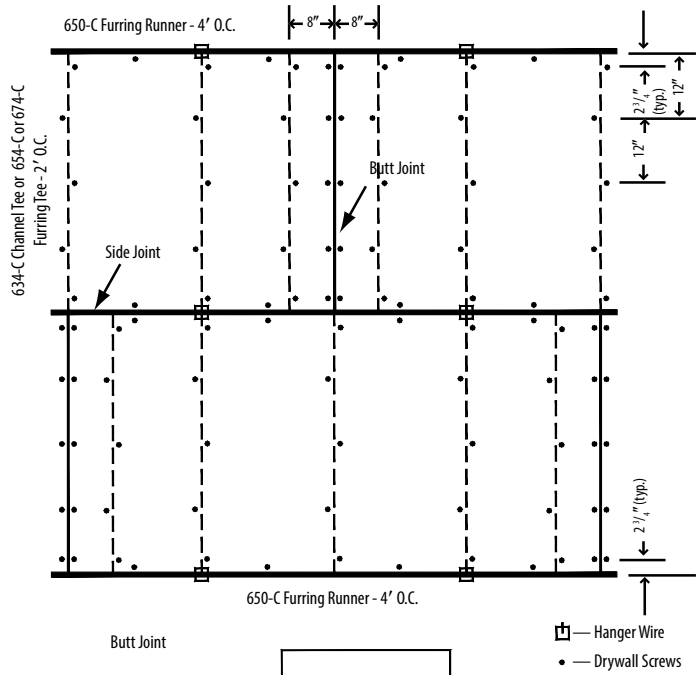
Drywall Screw and Panel Placement

640 (Hook) / 660 (Stab) Non-Fire Rated Drywall Furring System



Staggered Butt Joints
All Side Joints must occur on Main Tees

650 (Hook) / 670 (Stab) Fire Rated Drywall Furring System



Staggered Butt Joints
All Side Joints must occur on Main Tees

640/660 - 650/670

PART 1 - GENERAL

1.01 Section Includes

Metal systems for supporting gypsum drywall in typical ceiling and soffit areas.

1.02 Related Sections

- A. Section 09 22 26 - Suspension Systems
- B. Section 09 54 00 - Specialty Ceilings
- C. Section 09 58 00 - Integrated Ceiling Assemblies
- D. Section 13 48 00 - Sound, Vibration, and Seismic Control
- E. Section 23 50 00 - Central Heating Equipment
- F. Section 26 50 00 - Lighting

1.03 Reference

- A. American Society for Testing and Materials (ASTM)
 - 1. C635 - Standard specification for the manufacture, performance, and testing of metal suspension systems for acoustical tile and lay-in panel ceilings.
 - 2. C636 - Standard practice for installation of metal ceiling suspension systems for acoustical tile and lay-in panels.
 - 3. C645 - Standard specifications for non-load (AXIAL) bearing steel studs, tees (TRACK), and furring channels for screw application of Gypsum Board.
 - 4. C841 - Standard specification for installation of interior lathing and furring.
 - 5. E119 - Standard methods of fire tests of building construction and materials.
- B. Underwriters Laboratories (U.L.) Fire Resistance Directory (latest edition).

1.04 Submittals

- A. Product data sheets: listing dimensions, load carrying capacity and standard compliance.
- B. Samples: 12 inch long samples of main tee and furring cross tee with couplings.

1.05 Project Conditions

- A. Environmental Requirements:
 - 1. Verify weather tightness of area to receive suspension system prior to installation.
 - 2. Wet trades work to be thoroughly dry and complete prior to installation.
 - 3. Installation to begin only when temperature and humidity conditions closely approximate interior conditions which will exist when area is complete and occupied.
 - 4. Heating and air conditioning systems to be operating prior to, during, and after installation.

1.06 Maintenance

Furnish additional material equal to ____ percent of ceiling area.

PART 2 - PRODUCTS

2.01 Manufacturers

Chicago Metallic (640-C)(660-C) heavy duty, (650-C)(670-C) heavy duty double web suspension system.

2.02 Suspension System Components

- A. Furring Runners: Manufactured from 0.020 inch thick steel 1-3/8 inch wide with knurled face by 1-1/2 inches high by 144 inches long with factory punched cross tee slots, hanger holes, and non-directional bayonet end tab couplings.
- B. Furring Tees: Manufactured from (0.020)(0.012) inch thick 1-3/8 inch wide with knurled face by 1-1/2 inches high by 48 inches long with (stab-)(hook-) type end tab couplings, factory punched cross tee slots, and hanger holes.
- C. Furring Cross Channel:
 - 1. Manufactured from 0.020 inch thick steel 1-3/8 inch wide with knurled face by 7/8 inches high by 48 inches long with straight locking end tabs.
- D. Cross Tees:
 - 1. Manufactured from 0.020 inch thick steel 15/16 inch wide by 1-1/2 inches high by 48 inches long with (stab-)(hook-) type end tab couplings, factory punched cross tee slots, and hanger holes.
- E. Wall Track:
 - 1. Manufactured from 0.020 inch thick steel 1-9/16 inches high by 120 inches long with a 1 inch top and bottom flange.

PART 3 - EXECUTION

3.01 Examination

Examine area receiving suspension system to identify conditions which will adversely affect installation. Do not begin installation until adverse conditions have been remedied.

3.02 Installation - Non Fire Rated System

- A. Furring Runners: Installed 48 inches on center, by direct suspension from existing structure, with not less than 12 gage hanger wires spaced 48 inches on center along main runner length. Wrap hanger wires tightly 3 full turns at each end.
- B. Furring Tees: Installed perpendicular to main runners (16)(24) inches on center to form ____ by ____ modules.
- C. Cross Tees: Installed adjacent to each unsupported side of recessed fixtures.
- D. Wall Track: Installed on vertical surfaces, intersecting suspension components, by appropriate method in accordance with industry accepted practice.
- E. Additional Hanger Wires: Wrapped tightly 3 full turns to structure and component at locations where imposed loads could cause deflection exceeding 1/360 span.

3.03 Installation - Fire Rated System

- A. Installed in accordance with U.L. design number ____ guidelines.

3.03 REPAIR

Remove damaged components, replace with undamaged components.

Chicago Metallic SpanFast®

**Non-Fire Rated
Double Web
Direct Hung Drywall System**

Applications

Small spaces and corridors associated with residential and hospitality venues.

Features

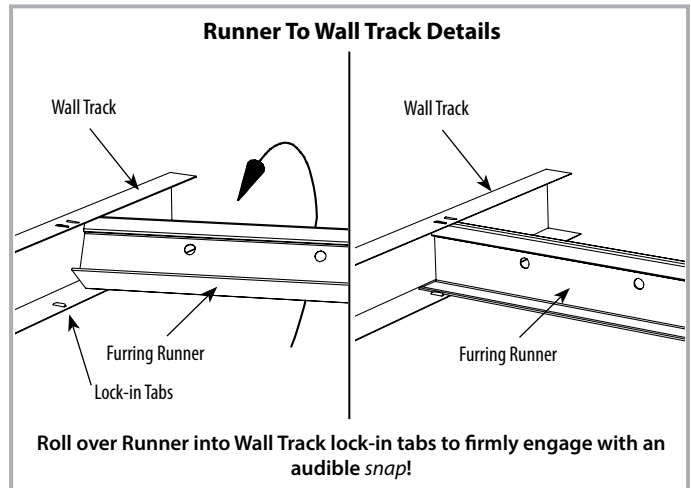
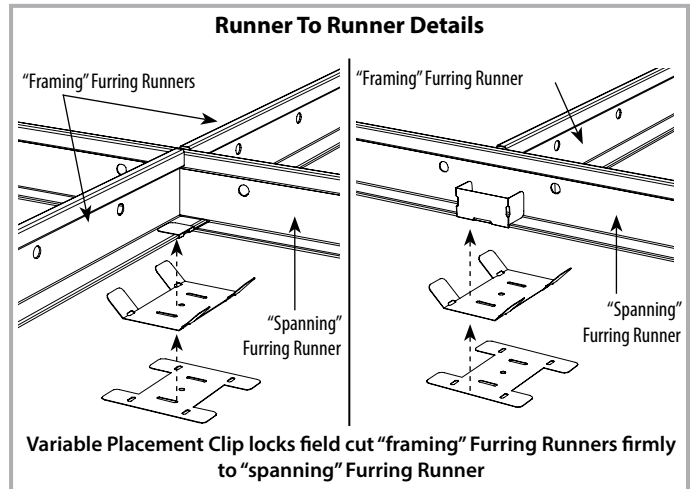
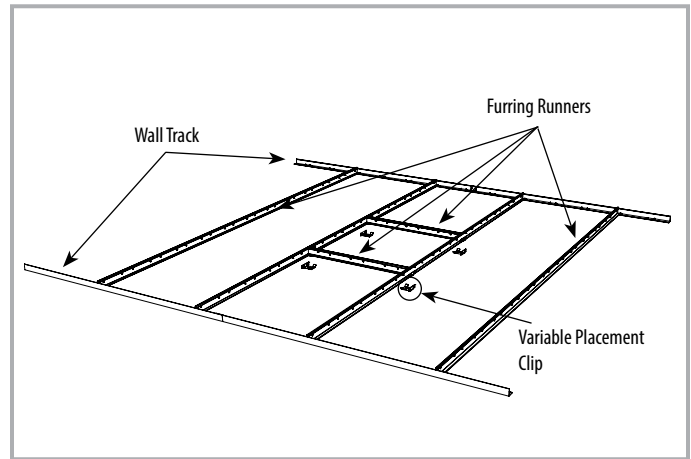
- Tool free installation greatly reduces the time needed to install ceiling systems.
- On most jobs span up to 7 ft without hanger wires, or span up to 14 ft. with one hanger wire
- Heavy Duty construction increases strength and decreases roll-over during installation.
- Wall angle has an exclusive positive-locking clip coupling (*patent applied for*) for easy end-to-end connections that allow for fast perimeter installation and minimized lateral movement to maintain a level installation.
- Knurled component face to grip screw and prevent drywall damage caused by a "slipped" screw.
- Exclusive Heavy Duty Wall Track reduces roll-over and its 8" O.C. pre-set notches allow the contractor to "pull tape" only once and install quickly.
- All suspension components arrive at jobsite in easy-to-handle bundles, eliminating onsite cardboard carton hassles.

Benefits

- Minimum 25% recycled content, 100% locally recyclable, global/regional manufacture.

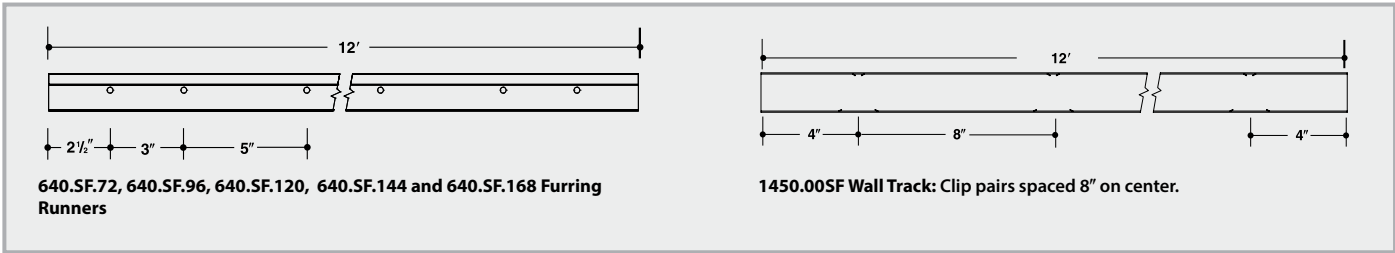
Installation Notes:

1. Load test data shows uniform load in lbs/LF based on simple span tests in accordance with ASTM deflection limit on L/240.
2. Attachment of SpanFast Wall Track 1450.00SF to wall structure is critical. Connection to withstand 100 lb. in shear and pull-out.



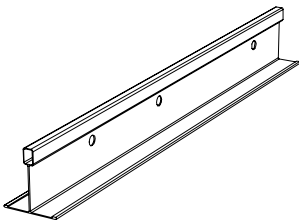
Component Slotting and Hanger Hole Placement

All overall lengths shown are nominal dimensions.

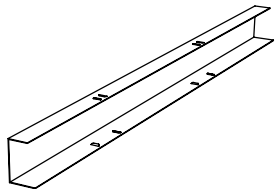


Components SpanFast® 1-3/8" Non-Fire Rated

Chicago Metallic suspension systems meet a Class A Flame Spread Rating



640.SF.72 - 640.SF.96 - 640.SF.120 -
640.SF.144 - 640.SF.168



1450.00SF



VPCLIP.100

Product Number	Dimensions			Feet	Per Bundle		
	Length	Height	Face		Pieces	Weight (lb)	
Furring Runners							
640.SF.72	6'	1 1/2"	1 3/8"	72	12	16	
640.SF.96	8'	1 1/2"	1 3/8"	96	12	22	
640.SF.120	10'	1 1/2"	1 3/8"	120	12	27	
640.SF.144	12'	1 1/2"	1 3/8"	144	12	32	
640.SF.168	14'	1 1/2"	1 3/8"	168	12	38	
Wall Track							
1450.00SF	12'	1 9/16"	1"	120	10	24	
Variable Placement Tee Clip							
VPCLIP.100	-	-	-	-	100/pcs/ctn	3	

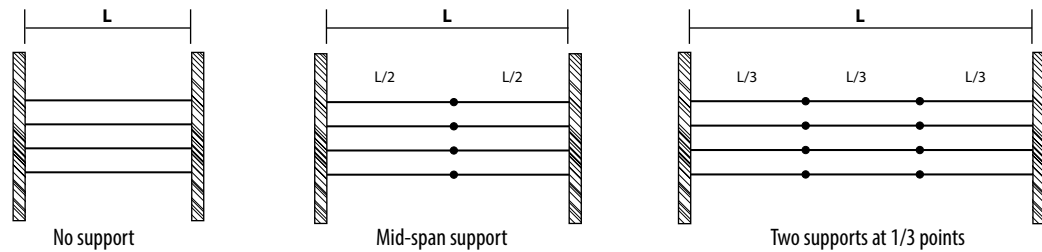
Specification Data

suspension type		SpanFast®
material	body	HD Galvanized
	cap	HD Galvanized
size	width	1 3/8"
	height	1 1/2"
performance	heavy duty per ASTM C 635	•
	exterior environment	•
warranty	40 year limited	•
sustainability	Minimum 25% recycled content, 100% locally recyclable, global manufacture	•

Palletization*

Product Number	Bundles Per Pallet	Weight Per Pallet	LF Per Pallet
6 Ft. Furring Runner			
640.SF.72	42	672	3,024
8 Ft. Furring Runner			
640.SF.96	42	924	4,032
10 Ft. Furring Runner			
640.SF.120	42	1,134	5,040
12 Ft. Furring Runner			
640.SF.144	42	1,344	6,048
14 Ft. Furring Runner			
640.SF.168	42	1,596	7,058
12 Ft. Wall Track			
1450.00SF	42	1,008	5,040

* All suspension components are bundled - no cartons.



Allowable Load (lb/ft²) With No Lateral Bracing at L/240 (per ASTM C 645)

Number	Length	Spacing	Hanger Spacing									
			No Support				Mid-span Support				Two Supports at 1/3 Points	
			4'	5'	6'	7'	7'	8'	10'	12'	14'	14'
640.SF.72	6'	16"			6.05							
640.SF.72	6'	24"			4.03							
640.SF.096	8'	16"	18.80					18.80				
640.SF.096	8'	24"	12.50					12.50				
640.SF.120	10'	16"		10.23					10.23			
640.SF.120	10'	24"		6.80					6.80			
640.SF.120	12'	16"			6.05					6.05		
640.SF.120	12'	24"			4.03					4.03		
640.SF.168	14'	16"				3.86					3.86	
640.SF.168	14'	16"					28.57					12.23
640.SF.168	14'	24"					19.00					8.14

SpanFast®

PART 1 - GENERAL

1.01 Section Includes

Metal systems for supporting gypsum drywall in typical ceiling and soffit areas.

1.02 Related Sections

- A. Section 09 22 26 - Suspension Systems
- B. Section 09 54 00 - Specialty Ceilings
- C. Section 09 58 00 - Integrated Ceiling Assemblies
- D. Section 13 48 00 - Sound, Vibration, and Seismic Control
- E. Section 23 50 00 - Central Heating Equipment
- F. Section 26 50 00 - Lighting

1.03 Reference

- A. American Society for Testing and Materials (ASTM)
 - 1. C635 - Standard specification for the manufacture, performance, and testing of metal suspension systems for acoustical tile and lay-in panel ceilings.
 - 2. C636 - Standard practice for installation of metal ceiling suspension systems for acoustical tile and lay-in panels.
 - 3. C645 - Standard specifications for non-structural steel framing members.
 - 4. C841 - Standard specification for installation of interior lathing and furring.

1.04 Submittals

- A. Product data sheets: listing dimensions, load carrying capacity and standard compliance.
- B. Samples: 11 inch long samples of furring runner and wall angle.

1.05 Project Conditions

- A. Environmental Requirements:
 - 1. Verify weather tightness of area to receive suspension system prior to installation.
 - 2. Wet trades work to be thoroughly dry and complete prior to installation.
 - 3. Installation to begin only when temperature and humidity conditions closely approximate interior conditions which will exist when area is complete and occupied.
 - 4. Heating and air conditioning systems to be operating prior to, during, and after installation.

1.06 Maintenance

Furnish additional material equal to _____ percent of ceiling area.

PART 2 - PRODUCTS

2.01 Manufacturers

Chicago Metallic SpanFast heavy duty double web suspension system.

2.02 Suspension System Components

- A. Furring Runner: Manufactured from 0.020 inch thick steel 1-3/8 inches wide with knurled face by 1-1/2 inches high by (96)(120)(144)(168) inches long with factory punched hanger holes.
- B. Wall Track:
 - 1. Manufactured from 0.020 inch thick steel, 144 inches long by 1-1/2 inch with 1 inch face flange and 3/4 inch top flange. Factory produced lock-in tabs 8 inches O.C., positive locking coupling with pre-drilled point connection holes.

PART 3 - EXECUTION

3.01 Examination

Examine area receiving suspension system to identify conditions which will adversely affect installation. Do not begin installation until adverse conditions have been remedied.








3.02 Installation - Non Fire Rated System

- A. Furring Runners: Installed (16)(24) inches on center in span of [(4)(5)(6)(7) feet with no direct midspan support][(8)(10)(12) feet with midspan support][14 feet with a support at 1/3 points] with not less than 12 gage hanger wires. Wrap hanger wires tightly 3 full turns at each end.
- B. Install components per load data, based on L/240 per ASTM C 645.
- C. Wall Track: Installed on vertical surfaces, intersecting suspension components, by appropriate method in accordance with industry accepted practice.
- D. Attachment of SpanFast Wall Track 1450.00SF to wall structure is critical. Connection to withstand 100 lb. in shear and pull-out.

3.03 REPAIR

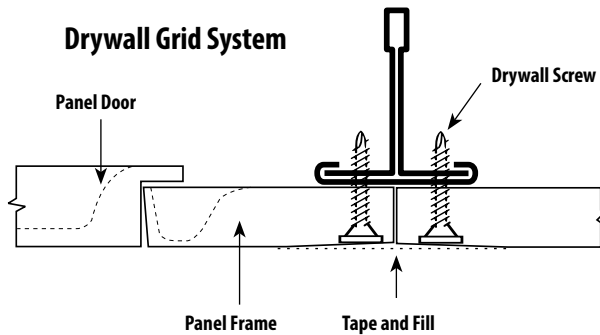
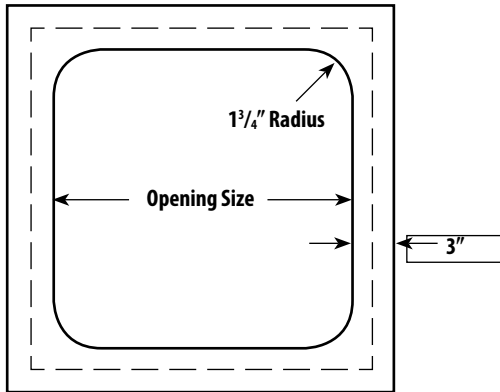
Remove damaged components, replace with undamaged components.

Product Cross Reference Guide

ROCKFON	AWI	USG
General Application Grid		
Chicago Metallic 200 Snap-Grid™	Prelude ML™	–
 Chicago Metallic 250 Fire-Front Snap-Grid™	–	–
Chicago Metallic 1200 Seismic	Prelude XL™	DX
 Chicago Metallic 1250 Fire-Front Seismic	Prelude XL™ Fire Guard	DXL Fire Rated™
Chicago Metallic 4000 Temptra™	Suprafine XL™	DXT Centricitee™
 Chicago Metallic 4050 Temptra™ Fire Rated	Suprafine XL™ Fire Guard	DXLT Centricitee™
Chicago Metallic 4500 Ultraline™	Silhouette™ XL 1/4" Reveal	DXF Finline® 1/4"
Chicago Metallic 4600 Ultraline™	Silhouette™ XL 1/8" Reveal	DXF Finline® 1/8"
Special Application Grid		
Chicago Metallic BarrierGrid™ Standard	Clean Room	Controlled Environment
Chicago Metallic BarrierGrid™ Premium	Clean Room	Controlled Environment
 Chicago Metallic 260/280 Aluminum Cap	–	–
 Chicago Metallic 1260/1280 Aluminum Cap	Prelude XL™	DXLA Aluminum Cap™
Chicago Metallic 660 1 ³ / ₈ " Wide Face	–	DXW
Chicago Metallic 730 Stainless	SS Prelude Plus XL™	DXSS
Chicago Metallic 830 Aluminum	AL Prelude Plus XL™	AX All Aluminum™
 Chicago Metallic 1830 HDG-60	Prelude XL™ Exterior	ZXLA™ Hot Dipped
Drywall Grid		
Chicago Metallic 640/660	Drywall Grid	–
 Chicago Metallic 650/670 Fire Rated	Drywall Grid Fire Guard	Drywall Suspension
Chicago Metallic SpanFast®	ShortSpan™	Wall-to-Wall™

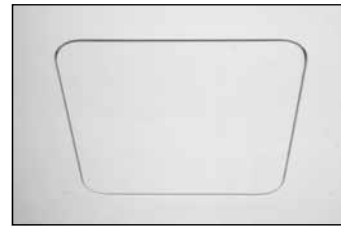
Chicago Metallic GRG Access Doors

- Installs and finishes in the same manner as drywall.
- Simply provide framing support for the exterior edges of the panel.
- Attaches with drywall screws.
- Taping and finishing is the same as conventional drywall finishing techniques.



Product Number	Opening	Pieces	Per Carton Weight
GRG Drywall Access Door and Frame			
8501.00	9" x 9"	2*	10
8502.00	12" x 12"	2*	14
8503.00	18" x 18"	2*	18
8504.00	24" x 24"	2*	32
8505.00	30" x 30"	2*	44

* Includes Door and Frame.



Access Door in place . . .



. . . and partially removed

Technical Requirements:

1. Size Requirements

Panels are defined by the opening size. Rough opening dimensions are an additional 6" added onto the opening size. Standard access panels are push-out type. Custom sizes are available.

2. Fasteners and Attachments

Panels are installed with standard supplies; screws are to be #6 bugleheads and joints use standard tape and joint compound. The panel has an edge thickness to accommodate 5/8" drywall, so shimming may be required if adjacent material is not 5/8" drywall.

3. Finishing (by installer)

Use same method as drywall.

4. Framing, Studs or Blocking

Substrate material is determined by job site conditions. The panel does not require regular framing, but can be connected to adjacent drywall using blocks or studs. The weight of the panel is 2 lbs./sq. ft.

5. Physical Properties

Shell Thickness: 1/8" to 3/16"

Fuel Contribution (ASTM E 84-80): 0

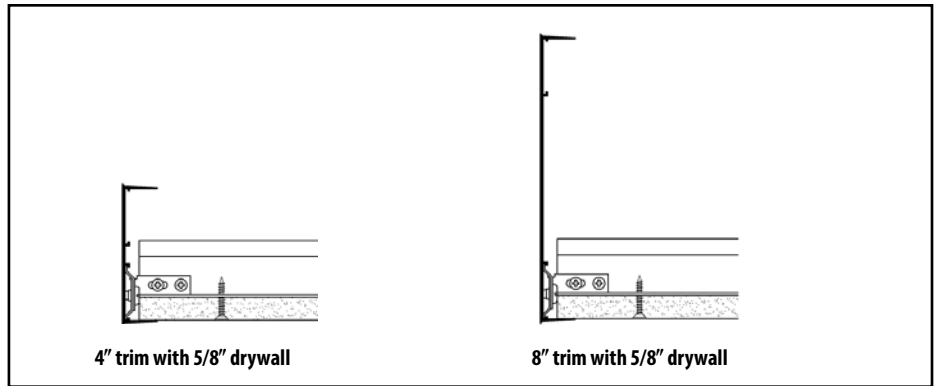
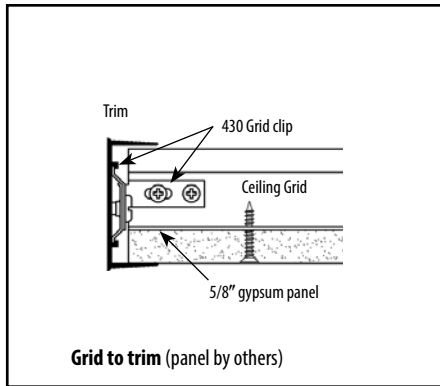
Flame Spread (ASTM E 84-80): 0

Smoke Index (ASTM E 84-80): 0

Combustion (ASTM E 84-80): Non-Combustible

System Integration with Infinity Perimeter Trim

Infinity D (drywall)



Product Guide, Submittals and Specifications are available for Rockfon's Infinity Perimeter Trim. Contact ROCKFON or visit rockfon.com.

Service

Service Levels

Service Levels represents the approximate time in weeks for an order to be ready to ship from the manufacturing plant. Add 2 weeks to all Service Levels for ROCKFON transfer truck to Baltimore or Los Angeles Service Centers.

Service Level begins when the following criteria are met – Receipt of acceptable Purchase Order, Credit Approval, Drawing Approval, Color Approval.

Service Levels	Production Lead Time
0	Stock item available for immediate shipment
1	Available to ship within 1 week of order acceptance
2	Available to ship within 2 weeks of order acceptance
3	Available to ship within 3 weeks of order acceptance
4	Available to ship within 4 weeks of order acceptance
5	Available to ship within 5 weeks of order acceptance
6	Available to ship within 6 weeks of order acceptance
??	Contact ROCKFON for current lead time

Color Samples

1. Custom color matching requires customer color sample or paint manufacturer and color number.
2. ROCKFON will provide color sample for approval upon request.
3. Service Level begins after receipt of color approval.

Order Placement and General Customer Service Support

Phone: 1.800.323.7164 / option 1
Fax: 1.866.211.3824
Email: cmc-customerservice@chicagometallic.com

Standard Samples and Literature

Standard literature, product samples and color samples are available from the ROCKFON Sample and Literature department at no charge.

Phone: 1.800.323.7164 / option 2
Fax: 1.800.222.3744
Email: cmc-customerservice@chicagometallic.com

Technical Support

Requests for technical information on ROCKFON Metal Ceilings may be placed with the Technical Services Department.

Phone: 1.800.323.7164 option 3
Fax: 1.888.329.2620
Email: techservices@chicagometallic.com

Mockups and Custom Samples

When ROCKFON has agreed to provide custom samples or mockups, the cost for them will be billed to the account.

ROCKFON will be glad to issue credit upon request for all mockups and custom sample invoices when valid orders for these products are placed with our Customer Service Department.

Phone: 1.888.991.7070
Fax: 1.866.211.3824
Email: cmc-customerservice@chicagometallic.com

General Conditions of Sale

Order Acceptance

Whenever used herein, "Seller" shall refer to ROCKFON and "Purchaser" shall refer to the party ordering or purchasing products ("Products") from Seller. Seller's price list does not constitute an offer to sell Products listed therein, but is simply provided as a convenience to prospective Purchasers. Purchaser's order to Seller shall constitute an offer to Seller to purchase Products which offer Seller may accept at its sole discretion. Acceptance shall be by a writing containing these General Conditions of Sale ("Conditions"). Acceptance of Purchaser's order or any part of it by Seller is expressly made conditional on Purchaser's assent to these Conditions. Purchaser may vary these Conditions only with the written consent of Seller. Acceptance of Products by Purchaser or failure of Purchaser to object in writing to these Conditions within ten (10) days following delivery of Products to Purchaser shall constitute Purchaser's assent to these Conditions.

Shipment and Delivery

Seller shall deliver Product F.O.B. place of shipment. Risk of loss to Product shall pass to Purchaser upon delivery to carrier at such place of shipment. Carrier acts as Purchaser's agent. Products shall be shipped as soon as practical, or as requested by Purchaser after order acceptance by Seller. However, delivery dates shall not be of the essence, but shall be regarded as Seller's best approximation of such delivery dates. Seller may arrange freight at the request of and on behalf of Purchaser. If applicable, freight will be charged according to the Seller's freight policy in effect at time of shipment. Such policy will be provided to Purchaser via its preferred communication method and is also available in Seller's price book or upon request. All taxes, tariffs, duties or similar charges paid by Seller imposed or levied by any governmental authority in connection with the purchase, shipment, import or export of Products purchased or in connection with the procuring of materials used therein may at Seller's sole option be added to the price of Products so affected. Additional shipping charges for Products paid by Seller such as destination, storage, labor and redelivery and special or extra expenses for handling air freight, bus or other shipments may also, at Seller's sole option, be added to the price of such Products.

Payment

Payment for all Products shall be net cash due and payable in U.S. dollars within thirty (30) days following receipt by Purchaser of shipping documents for such Products by check or bank transfer to a bank account to be designated by Seller. If accounts are paid within ten (10) days following receipt by Purchaser of the corresponding shipping documents, Purchaser shall be entitled to a one percent (1%) discount from the price of Products only. If, in Seller's sole opinion, the financial condition of the Purchaser so warrants, Seller may require advance payments or satisfactory security. In the event that the Purchaser fails to make such advance payments or furnish such security upon Seller's request, delivery of Products may be suspended without further Seller obligation. Seller may, at Seller's sole option, require payment by means of an irrevocable letter of credit opened and confirmed by a bank or banks acceptable to Seller and upon terms and conditions acceptable to Seller.

Limited Warranty

Seller warrants to Purchaser that Products will substantially conform in quantity and quality to Purchaser's order, as accepted by Seller, provided, however, that (1) Products are inspected by Purchaser upon arrival at place of destination and any and all nonconformities are noted on the bill of lading and all other delivery documents and are attested to in writing by carrier's representative (2) Purchaser furnishes Seller with written notice of such non-conformities within fifteen (15) days following arrival of non-conforming Products at the place of destination, (3) Purchaser holds nonconforming Products for Seller's inspection (4) non-conformities occurred prior to delivery by Seller of Products F.O.B. place of shipment, and (5) Purchaser does not alter, repair, use or attempt to alter or repair any non-conforming Products. This limited warranty is Seller's only and exclusive express warranty to Purchaser. Seller disclaims any and all implied warranties including without limitation any implied warranty of merchantability or fitness for a particular purpose. Purchaser's sole and exclusive remedy against Seller shall be the replacement F.O.B. its plant or site, at Seller's option, of any Prod-

ucts which do not conform to Seller's limited warranty hereunder. No other remedy (including, without limitation, incidental or consequential damages for lost profits, lost sales, injury to persons or property or any other incidental or consequential loss) shall be available to Purchaser. Purchaser agrees to include in all contracts between Purchaser and subsequent owners or users of Products, and to bring to the attention of all Purchaser's customers of Products, the following warranty disclaimer: ROCKFON disclaims any and all warranties expressed or implied, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. Purchaser shall be excluded on behalf of Seller all remedies for damage or injury to Products persons or property. In the event that Purchaser fails to comply with the foregoing obligations, Purchaser shall indemnify Seller for any liability resulting from such non-compliance and shall otherwise hold Seller harmless.

Returns

In order to return any Products to Seller, Purchaser must first obtain prior authorization for products eligible for return, and receive a Return Goods Authorization number from Seller's home office. All authorized returns are subject to a 20% restocking charge. Seller will only issue credit for Service Level "0" material received at the designated company facility with the Return Goods Authorization appearing on the material, and after being inspected and determined by Seller to be in resalable condition. Purchaser is solely responsible for arranging and prepaying for all return freight. Seller will not be responsible for any damage in transit on material returned at customer's request, and will not file freight claims on such damaged material. When these terms are met, seller will issue appropriate material credit less the restocking charge.

Default, Termination and Suspension of Delivery

Seller reserves the right, among other remedies, either to cancel Purchaser's order or suspend further deliveries of Products thereunder in the event that (1) Purchaser fails to pay for any one shipment of Products when payment for such shipment becomes due; (2) Purchaser fails to make any advance payments or satisfactory security demanded by Seller pursuant to paragraph two of PAYMENTS section above; or (3) Purchaser fails or refuses to accept any delivery of Products ordered from Seller. Delivery of Products may be suspended in whole or in part in case of any event beyond Seller's control, including, but not limited to, explosion, fire, shortage of fuel, power or raw materials flood strike lockout, injunction, riot, insurrection, war, national emergency, government act, or act of God.

Miscellaneous

No failure or delay on the part of Seller in exercising any right, power or privilege hereunder shall operate as a waiver thereof or of any other right, power or privilege hereunder nor shall any single or partial exercise of any such right power or privilege preclude any other right, power or privilege. The rights or remedies of Seller hereunder are cumulative and not exclusive of any rights or remedies which it may otherwise have. The parties hereto may correct stenographic and clerical errors without liability. Purchaser may not assign the order without the express written consent of Seller. All notices to be given hereunder by either party to the other party shall be dispatched by certified or registered mail return receipt requested addressed to the last known post office address of such other party. Any such notice shall be deemed received within five (5) days following any such dispatch if mailed from within the United States of America and ten (10) days if mailed from outside the United States of America. Either party may change its address by notice to the other party. These Conditions shall be governed by and interpreted in accordance with the laws of the State of Illinois, United States of America, and all disputes hereunder that cannot be amicably resolved by the parties thereto must be settled in a court of competent jurisdiction within the State of Illinois, United States of America. The provisions of these Conditions shall be severable one from the other so that should any provision be held legally unenforceable by a court of competent jurisdiction, the remaining provisions shall remain in effect.

ROCKFON Ceiling Products



Metal

Perimeter Trim / Curvilinear / Flat Metal Panel / Embossed Metal Panel / Linear / Open Plenum / Security



Grid

General Applications / Special Applications / Drywall Applications



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