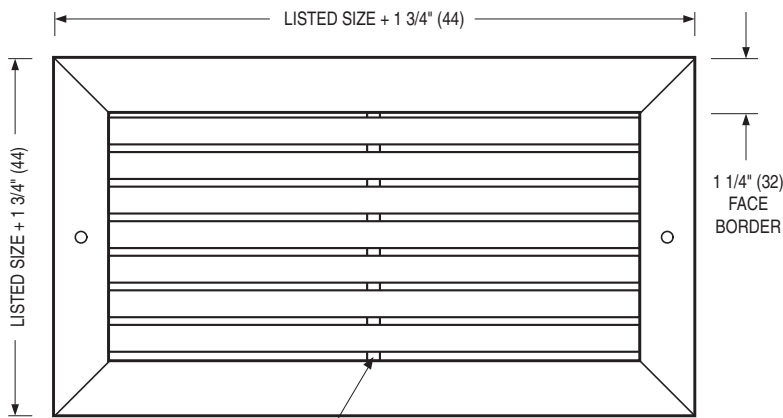
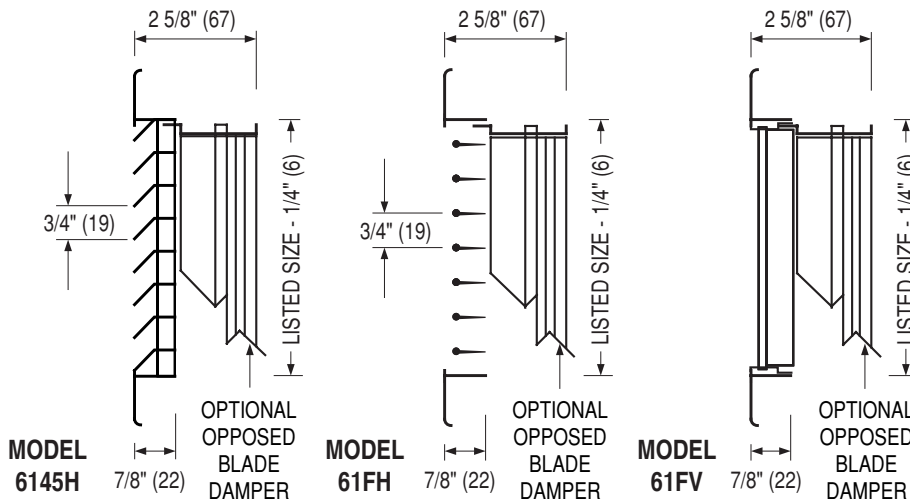




STEEL RETURN GRILLES & REGISTERS
FIXED BLADES • 3/4" (19) SPACING
MODELS: 6145H(-O), 6145V(-O), 61FH(-O) AND 61FV(-O)



CONCEALED REINFORCING MULLIONS ON 45° MODELS.



- Frame/Border Type S:**
Surface Mount
- Model 6145H**
Single Deflection Grille
Fixed 45° Horizontal Blades
- Model 6145H-O**
Single Deflection Register
Fixed 45° Horizontal Blades
(Includes O. B. Damper)
- Model 6145V**
Single Deflection Grille
Fixed 45° Vertical Blades
- Model 6145V-O**
Single Deflection Register
Fixed 45° Vertical Blades
(Includes O. B. Damper)
- Model 61FH**
Single Deflection Grille
Fixed 0° Horizontal Blades
- Model 61FH-O**
Single Deflection Register
Fixed 0° Horizontal Blades
(Includes O. B. Damper)
- Model 61FV**
Single Deflection Grille
Fixed 0° Vertical Blades
- Model 61FV-O**
Single Deflection Register
Fixed 0° Vertical Blades
(Includes O. B. Damper)

DESCRIPTION:

1. Construction: Corrosion-resistant steel. Roll-formed frame mechanically interlocked with reinforced mitered corners for strength. Roll-formed blades on 3/4" (19) centers are fixed at 0 or 45 degrees to match and compliment the supply grilles and registers. 45 degree model utilizes a concealed rear reinforcing mullion (max. 16" (406) centers) and a single blade pack that provides a continuous louvered appearance. 0 degree models utilize a visible face mullion when blade length exceeds 16" (406).
2. Optional roll-formed steel opposed blade damper has a screwdriver slot operator accessible through face of register.
3. Minimum size is 4" x 4" (102 x 102).
Maximum size is 48" x 36" (1219 x 914).
4. Type S Surface mount frame has a 1 1/4" (32) face border and a 1" (25) overlap margin.
5. Standard fastening is Type A countersunk screw holes.
6. Standard finish is AW Appliance White.

OPTIONS:

1. Finish:
 - SP Special _____ .
2. Fastening (Type S):
 - Type C Concealed mounting straps
 - Type D Concealed screw holes in neck
 - Type N None.
3. PF Plaster sub-frame
4. IS Insect screen
5. Other _____ .

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Page 1 of 3
 Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
10 - 1 - 19	6100	2 - 1 - 11	6100-3

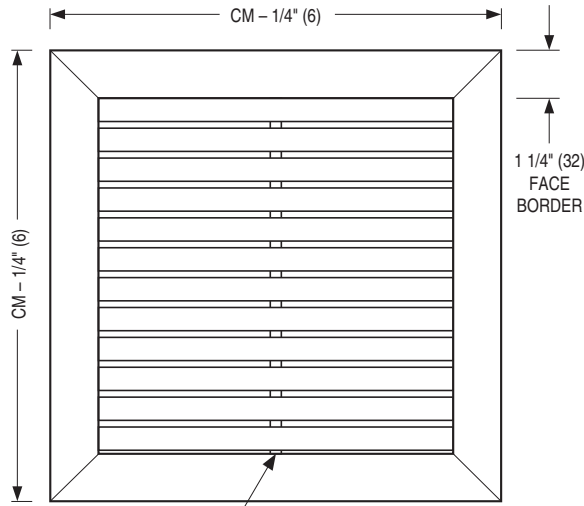


STEEL RETURN GRILLES & REGISTERS
FIXED BLADES • 3/4" (19) SPACING
MODELS: 6145H(-O), 6145V(-O), 61FH(-O) AND
61FV(-O)

Full Face / Ceiling Modules

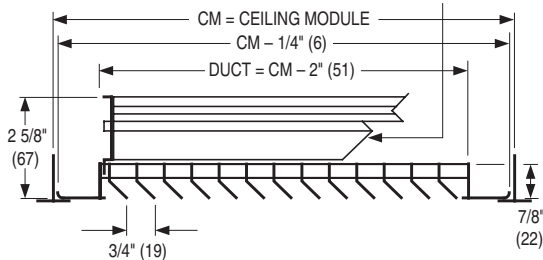
Frame/Border Type L:

Lay-in T-Bar Mount



CONCEALED REINFORCING MULLIONS ON 45° MODELS.

OPTIONAL OPPOSED BLADE DAMPER

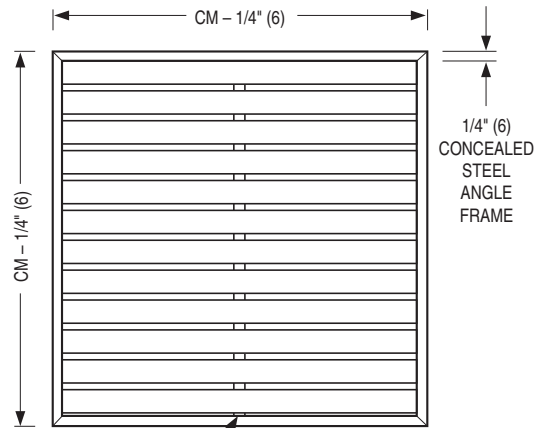


Model 6145H shown
Horizontal Blades (side view)

Frame/Border Type A:

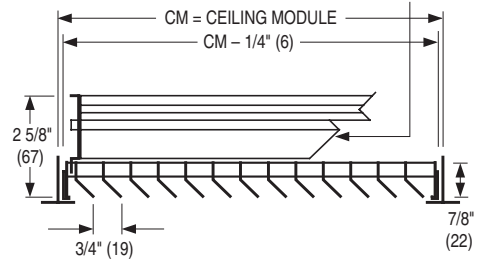
Concealed Angle Frame Lay-in T-Bar

(non-ducted applications)



CONCEALED REINFORCING MULLIONS ON 45° MODELS.

OPTIONAL OPPOSED BLADE DAMPER



Model 6145H shown
Horizontal Blades (side view)

DESCRIPTION:

1. Ordered by ceiling module size.
2. Type L frame use standard 1 1/4" (32) face frame/border and shows a partial reveal when installed in standard 15/16" (24) T-Bar. Duct size is 2" (51) smaller than ceiling module size.
3. Type A frame is a steel 1/4" (6) angle frame and is concealed when installed in T-Bar.

Available Border Type L and A Ceiling Module Sizes

Imperial Modules		Metric Modules
Imperial Units (in.)	Metric Units (mm)	S.I. Units (mm)
12 x 12	305 x 305	300 x 300
24 x 12	610 x 305	600 x 300
36 x 12	914 x 305	900 x 300
48 x 12	1219 x 305	1200 x 300
20 x 20	508 x 508	500 x 500
24 x 24	610 x 610	600 x 600
36 x 24	914 x 610	900 x 600
48 x 24	1219 x 610	1200 x 600

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Page 2 of 3
Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
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Panel Mounted/Ceiling Modules

Border Type PLS: Steel Lay-in Panel

The grille or register is mounted in an extended panel to suit standard T-Bar Lay-in type ceilings.

Border Type FPS: Steel Finline[®] Panel

The grille or register is mounted in an extended panel that will fit a 9/16" (14) narrow regressed (bolt slot) T-Bar ceiling grid or 9/16" (14) Flat T-Bar with tegular ceiling tile.

Border Type SPS: Steel Spline Panel

The grille or register is mounted in an extended panel to suit spline type ceiling modules. CM 24" x 24" (600 x 600) only.

Border Type MPS: Steel Metal Pan Panel

The grille or register is mounted in an extended panel to suit metal pan ceilings that have snap-in type ceiling modules. CM 24" x 24" (600 x 600) only.

Border Type TPS: Steel Tegular Panel

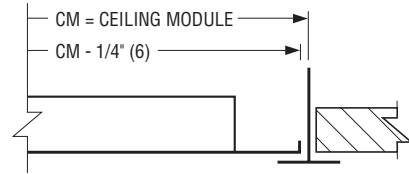
The grille or register is mounted in a panel that will extend below a 15/16" (24) Flat T-Bar ceiling grid.

Available Border Type PLS, FPS and TPS Ceiling Module Sizes

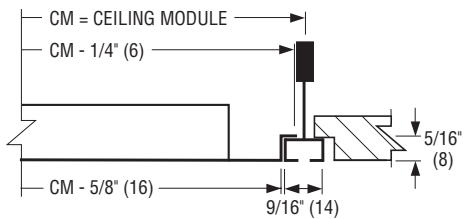
Ceiling Module	
Imperial Units (in.)	Metric Units (mm)
12 x 12	300 x 300
24 x 12	600 x 300
36 x 12	900 x 300
48 x 12	1200 x 300
20 x 20	500 x 500
24 x 24	600 x 600
36 x 24	900 x 600
48 x 24	1200 x 600

Maximum grille neck size is CM Ceiling Module – 3" (76).

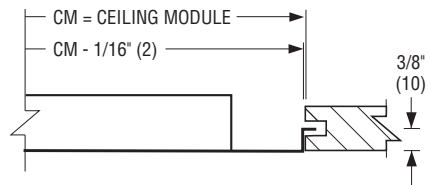
Type PLS Lay-in Panel



Type FPS Finline[®] Panel

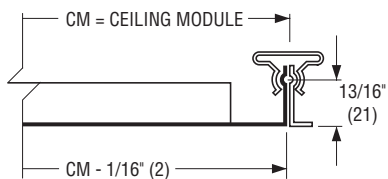


Type SPS Spline Panel

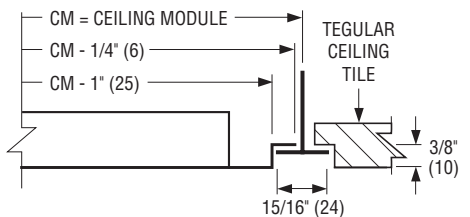


Note: Splines on two opposite sides.

Type MPS Metal Pan Panel



Type TPS Tegular Panel



SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Page 3 of 3
 Dimensions are in inches (mm).

DATE

B SERIES

SUPERSEDES

DRAWING NO.

10 - 1 - 19

6100

2 - 1 - 11

6100-3