

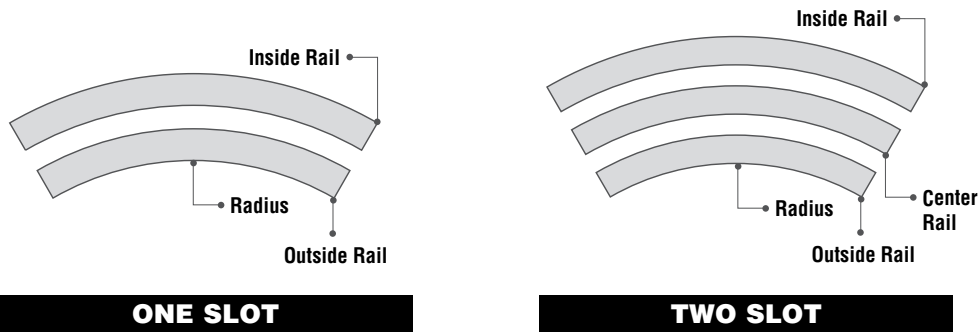
MODEL FAL/FALC CURVED

The Formations FAL series can be curved to accent ceilings and walls or complement custom designs. Using a stretch form process, each piece is individually curved to match the required radius, ensuring a uniform curve without ripples on the face of the diffuser.

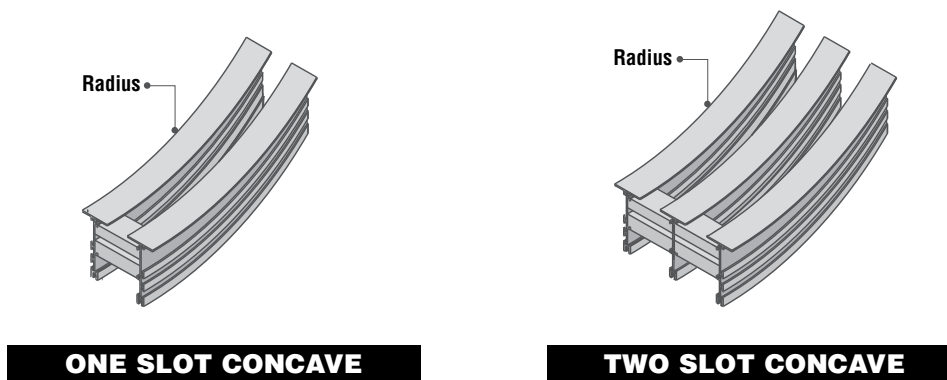


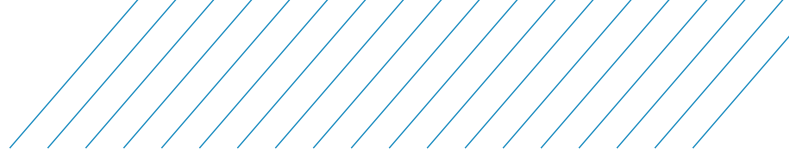
- One and two slot units are available in flat face, concave or convex curves and in slot widths of 1", 1.5", 2" and 2.5" (3" slot width is not available curved)
- The available borders are AA and CC (center rails are white with the 2 Slot CC border)

CEILING FLAT

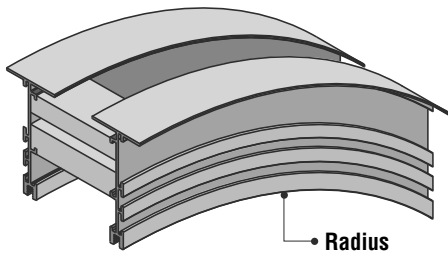


CONCAVE CURVE

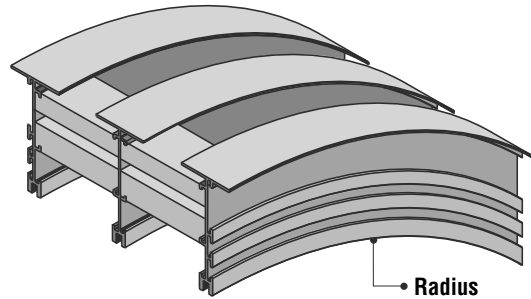




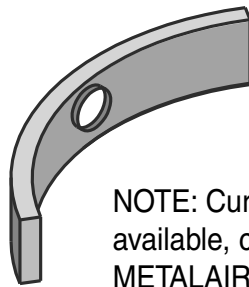
CONVEX CURVE



ONE SLOT CONVEX

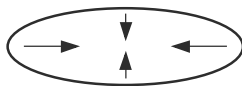


TWO SLOT CONVEX

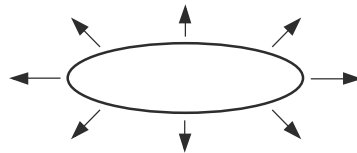


NOTE: Curved plenums are available, contact your METALAIRE representative.

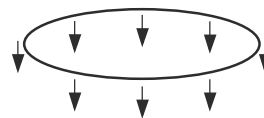
DIRECTION OF AIR FLOW



INSIDE
CONCAVE



OUTSIDE
CONVEX

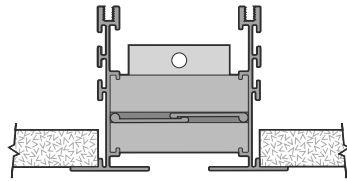


DOWN
CEILING FLAT

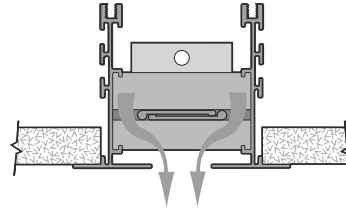
FORMATIONS PATTERN CONTROLLER OPTIONS

STANDARD PATTERN CONTROLLER

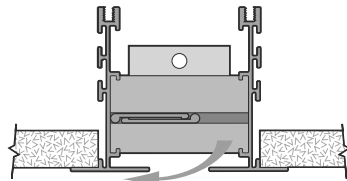
The standard pattern controller is extremely versatile and fully adjustable; it provides maximum comfort for every room occupant. This controller is typically used to throw air along the ceiling out of the occupied zone, providing excellent mixing with the room air at low and high velocities. The standard pattern controller can be adjusted to meet most applications and can direct supply air to the right, left or vertically in 2' increments. Appropriate for when the diffuser is being used in a return, supply or exhaust mode, the standard pattern controller can also act as a damper when fully closed.



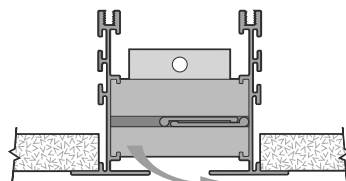
FULLY DAMPERED



VERTICAL



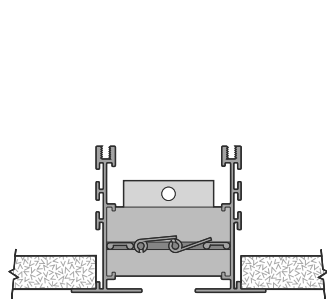
LEFT



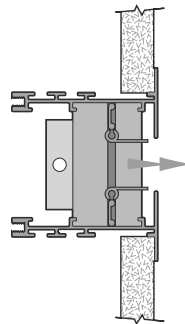
RIGHT

COMBO PATTERN CONTROLLER

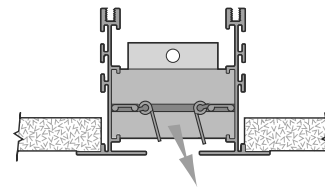
The combo pattern controller allows adjustment to the air stream in the field, for optimum performance and comfort. Superior performance is obtained both in sidewall and high bay applications, as well as in any standard ceiling application. With the combo pattern controller you always have flexibility to choose, in the field, the most effective pattern controller adjustment. The combo pattern controller is available in straight sections only.



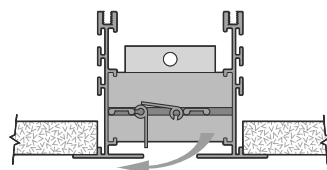
FULLY DAMPERED



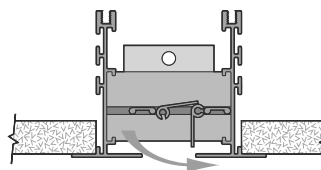
SIDEWALL



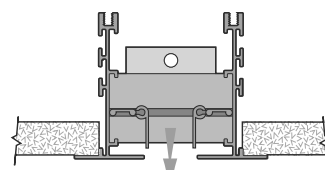
VERTICAL OFFSET



LEFT



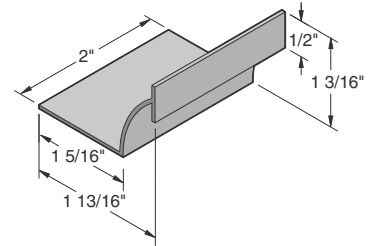
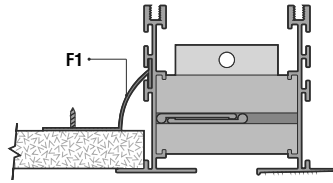
RIGHT



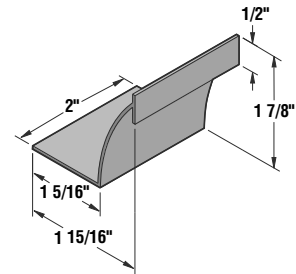
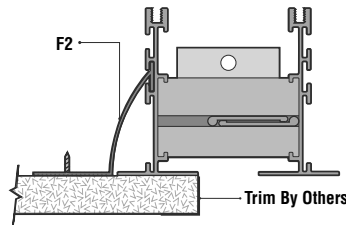
VERTICAL

MOUNTING CLIP DETAILS

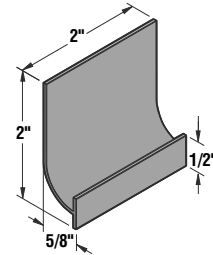
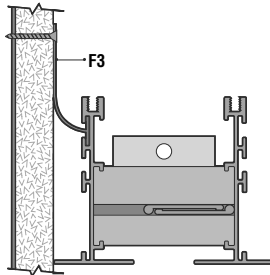
F1 Mounting Hardware is typically used with Border A or Border C for standard 5/8" gypsum board ceiling.



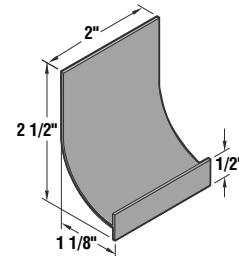
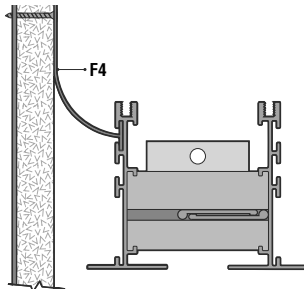
F2 Mounting Hardware is used to mount a hard ceiling over the face of Border A.



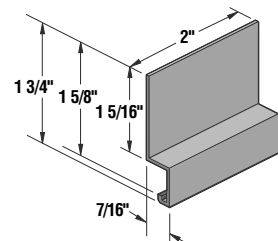
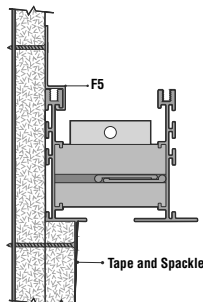
F3 Mounting Hardware is used to mount Border A for sidewall applications.



F4 Mounting Hardware is used to mount Border A along the perimeter of a ceiling with a return air slot.



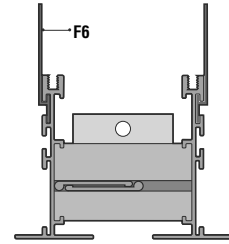
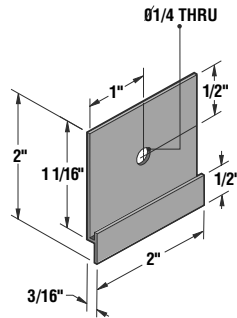
F5 Mounting Hardware is used to flush mount Border B against a sidewall.



MOUNTING CLIP DETAILS

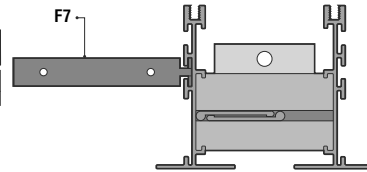
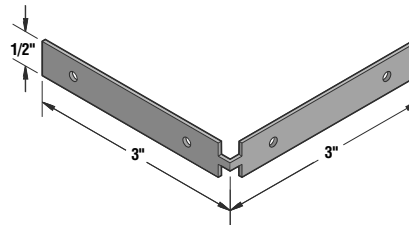
F6 Mounting Hardware

is used for easy suspension of the Formations unit from the structure. The clip is designed to utilize standard hanger wire.



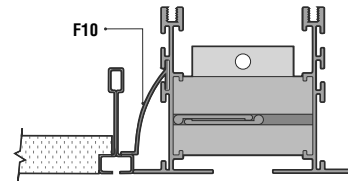
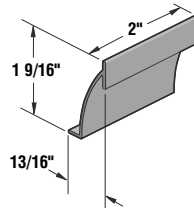
F7 Mounting Hardware

can be used to integrate the Formations assembly into an acoustical suspension system. The F7 clip is field formed and attached to the cross tees.



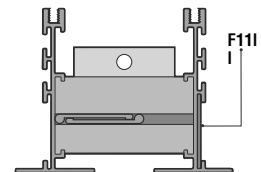
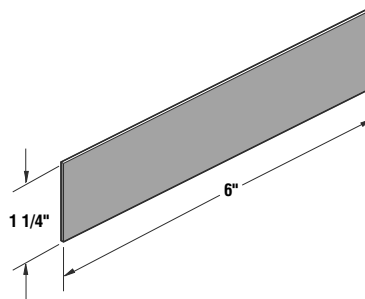
F10 Mounting Hardware

is used to align the Formations diffuser surface in a Bolt-slot T-bar application.

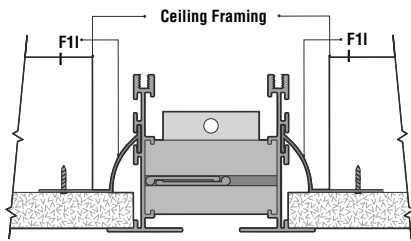


F11 Alignment Strips

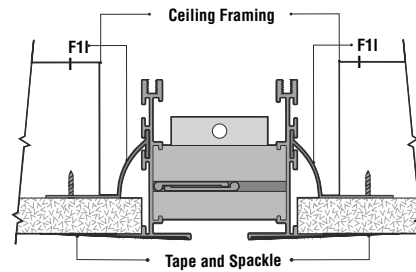
are used to align sections of the Formations diffuser, ensuring a straight and true installation in a continuous run.



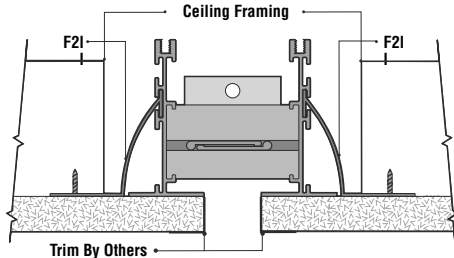
HARD CEILING APPLICATION



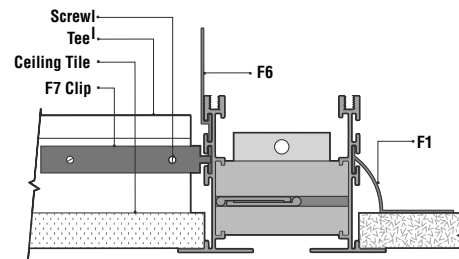
BORDER AA HARD CEILING



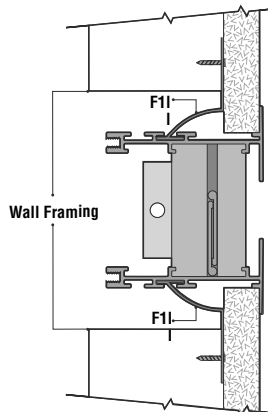
BORDER CC HARD CEILING



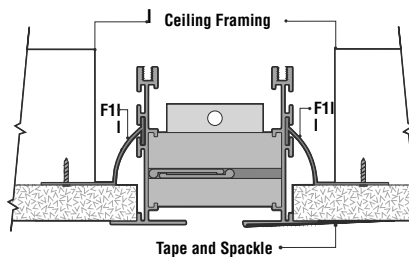
**BORDER AA
HARD CEILING / COVERED FLANGE**



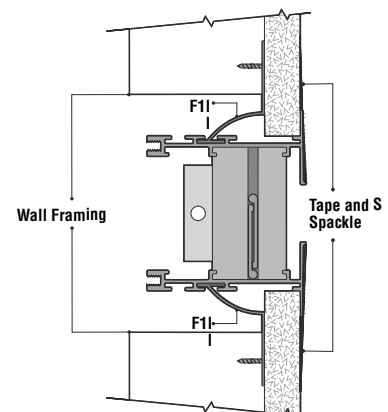
BORDER AA HARD CEILING



BORDER AA SIDE WALL

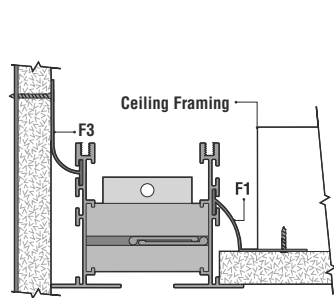


BORDER AC HARD CEILING

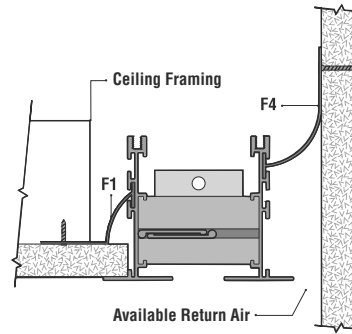


BORDER CC SIDE WALL

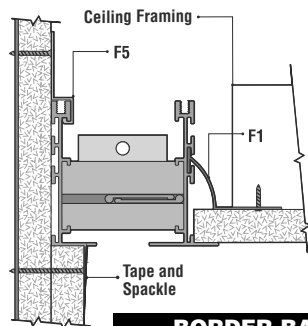
HARD CEILING PERIMETER APPLICATION



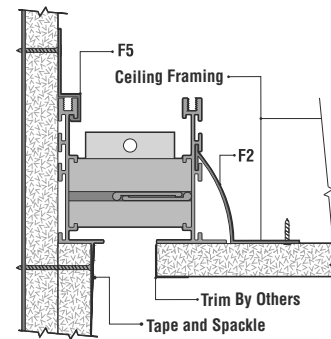
BORDER AA



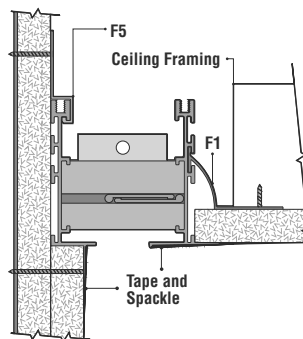
BORDER AA



BORDER BA

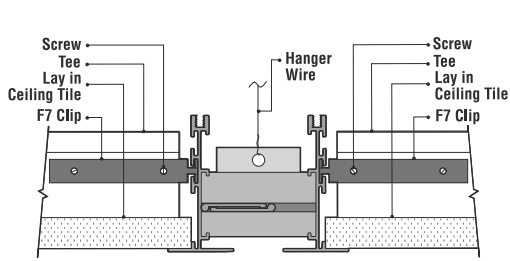


BORDER BA

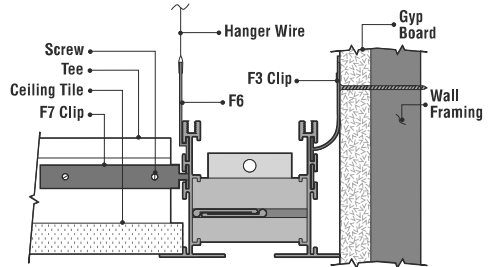


BORDER BC

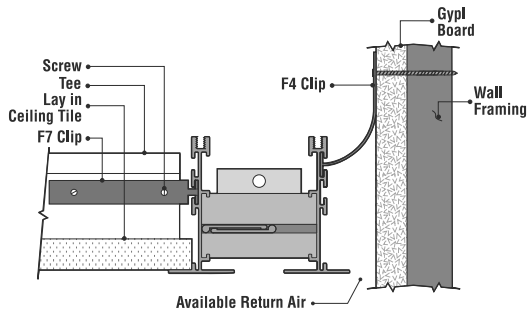
ACOUSTICAL CEILING APPLICATION



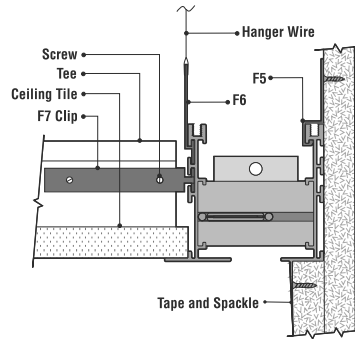
BORDER AA MAIN TEE



BORDER AA PERIMETER

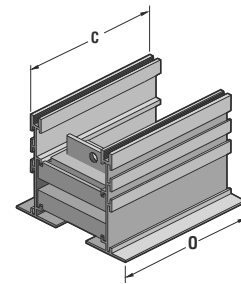
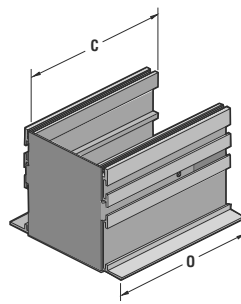
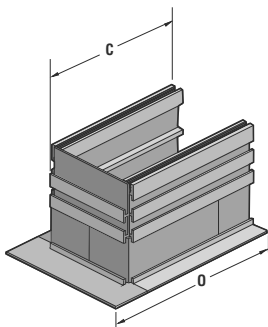
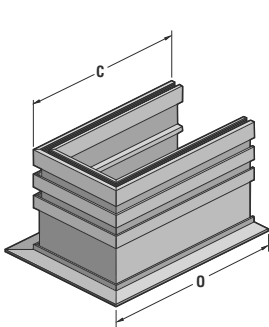
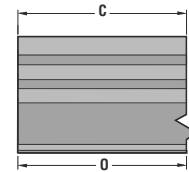
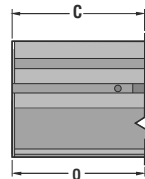
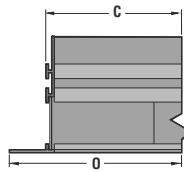
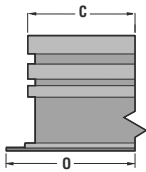


BORDER AA PERIMETER REVEL



BORDER AB PERIMETER

END FABRICATION DIMENSIONS










MITERED END

END BORDER

END CAP

OPEN END

BORDER TYPE	SLOT WIDTH								
		C	O	C	O	C	O	C	O
AA	1	D-1/4	D+1 3/8	D-1/8	D+11/16	D	D	D-1/4	D+11/16
	1.5	D-1/4	D+1 3/8	D-1/8	D+11/16	D	D	D-1/4	D+11/16
	2	D-1/4	D+1 3/8	D-1/8	D+11/16	D	D	D-1/4	D+11/16
	2.5	D-1/4	D+1 3/8	D-1/8	D+11/16	D	D	D-1/4	D+11/16
	3	D-1/4	D+1 3/8	D-1/8	D+11/16	D	D	D-1/4	D+11/16
CC AC BA BC	1	N/A	N/A	N/A	N/A	D	D	D-1/4	D+11/16
	1.5	N/A	N/A	N/A	N/A	D	D	D-1/4	D+11/16
	2	N/A	N/A	N/A	N/A	D	D	D-1/4	D+11/16
	2.5	N/A	N/A	N/A	N/A	D	D	D-1/4	D+11/16
	3	N/A	N/A	N/A	N/A	D	D	D-1/4	D+11/16

BORDER TYPE	SLOT WIDTH						
		C	O	C	O	C	O
AA	1	D-1/8	D+11/32	D-1/4	D	D-1/8	D
	1.5	D-1/8	D+11/32	D-1/4	D	D-1/8	D
	2	D-1/8	D+11/32	D-1/4	D	D-1/8	D
	2.5	D-1/8	D+11/32	D-1/4	D	D-1/8	D
	3	D-1/8	D+11/32	D-1/4	D	D-1/8	D
CC AC BA BC	1	D-1/8	D+11/32	D-1/4	D	D-1/8	D
	1.5	D-1/8	D+11/32	D-1/4	D	D-1/8	D
	2	D-1/8	D+11/32	D-1/4	D	D-1/8	D
	2.5	D-1/8	D+11/32	D-1/4	D	D-1/8	D
	3	D-1/8	D+11/32	D-1/4	D	D-1/8	D

Note: D = Listed Size.

SERIES FAL/FALC SPECIFICATIONS

FORMATIONS ARCHITECTURAL LINEAR SLOT DIFFUSER — EXTRUDED ALUMINUM — MODELS FAL/FALC

- Diffusers shall be models FAL/FALC manufactured by METALAIRE. Units shall be constructed of heavy gauge extruded aluminum. The units shall be available in 1", 1 1/2", 2", 2 1/2" and 3" widths. One and two slot units shall be available.
- The diffusers shall be available in sections limited to a maximum of 96". Units longer than 96" are formed by butting multiple diffuser sections together with alignment strips at the ends to form an unbroken appearance.
- The units shall be the size and quantity as outlined in the plans and specifications.

Performance Specification

The manufacturer shall provide published performance data. Data shall be tested in accordance to ANSI/ASHRAE Standard 70-2006.

Paint Specification

Process shall be anodic electro-deposition using an anodic acrylic paint. Units shall undergo pre-treatment including a pressurized spray stage using an alkaline cleaner and a de-ionized water rinse.

FORMATIONS MODEL NUMBER SPECIFICATIONS

ARCHITECTURAL LINEAR

Model	Slot Width	Border Style	Frame Configuration	# of Slots	End Detail	Finish	Mtg Hdw	Pattern Controller
FAL	10-1"	AA	1 - Surface Mount	1	2EB	20 - White/Black	F1	C - Combo
	15-1.5"	AC	6 - T-bar Lay in	2	1EB	03 - Black	F2	S - Straight
	20-2"	BA			2EC	23 - White/Black Face	F3	
	25-2.5"	BC			1EC		F4	
	30-3"	CC			MM		F5	
					MO		F6	
					OO		F7	
							F10	

MODEL FALC

Model	Slot Width	Border Style	Frame Configuration	# of Slots	End Detail	Finish	Mtg Hdw	Pattern Controller
FALC	10-1"	AA	1 - Surface Mount	1	2EB	20 - White/Black	Mounting Brackets	C - Combo
	15-1.5"	CC	6 - T-bar Lay in	2	1EB	03 - Black	Screws	S - Straight
	20-2"	AC			2EC	23 - White/Black Face		
	25-2.5"				1EC			
	30-3"				MM			
					MO			