



formations™

ARCHITECTURAL LINEAR DIFFUSERS

LINEAR



SUBMITTAL

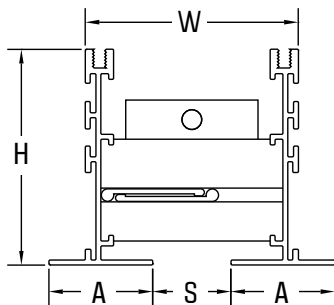
LINEAR

FALS-3.99

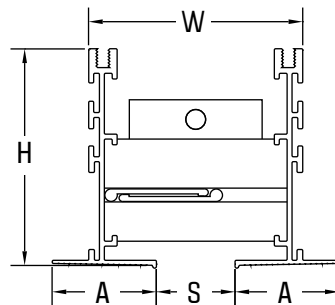
1

MODELS:

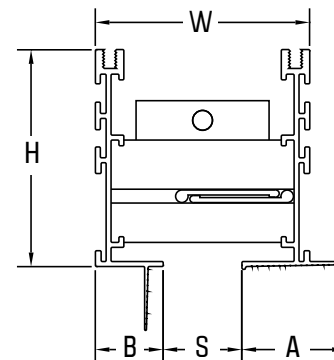
- FAL-10 • 1" SLOT
- FAL-15 • 1.5" SLOT
- FAL-20 • 2" SLOT
- FAL-25 • 2.5" SLOT
- FAL-30 • 3" SLOT



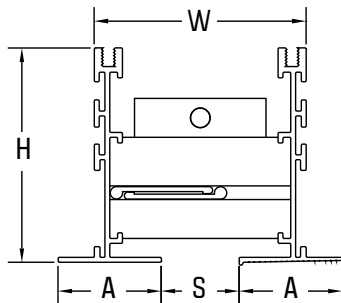
□ **BORDER AA**



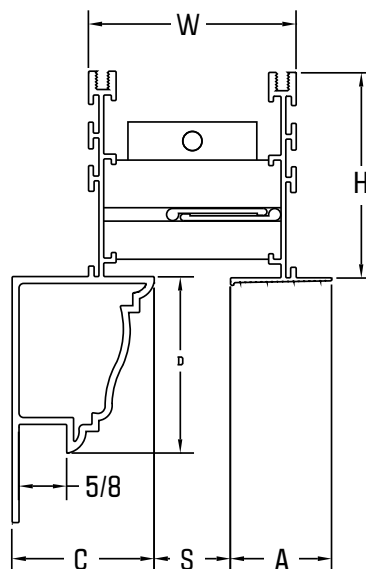
□ **BORDER CC**



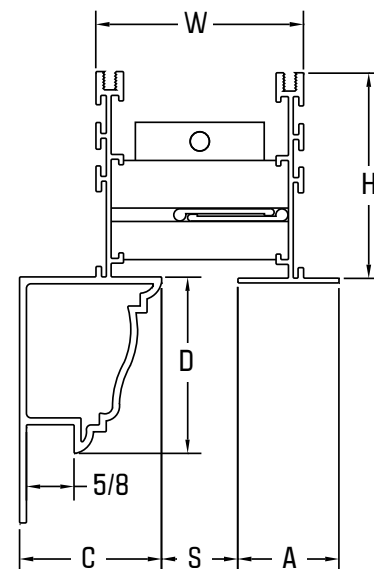
□ **BORDER BC**



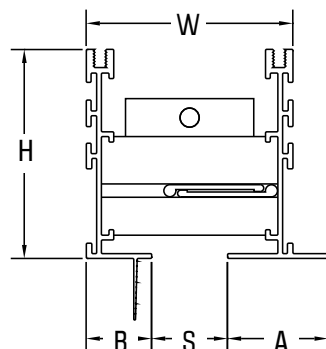
□ **BORDER AC**



□ **BORDER DC**



□ **BORDER DA**



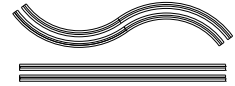
□ **BORDER BA**

MODEL	S SLOT WIDTH	W WIDTH	A BORDER WIDTH	B BORDER WIDTH	H HEIGHT	C BORDER D WIDTH	D BORDER D HEIGHT
FAL-10	1	2-3/4	1-5/16	7/8	2-3/4	1-7/8	2-5/16
FAL-15	1-1/2	3-3/4	1-9/16	1-1/8	2-3/4	-	-
FAL-20	2	4-3/4	1-13/16	1-3/8	2-3/4	2-3/8	3-1/16
FAL-25	2-1/2	5-3/4	2-1/16	1-5/8	3-3/16	-	-
FAL-30	3	6-3/4	2-5/16	1-7/8	3-5/8	-	-



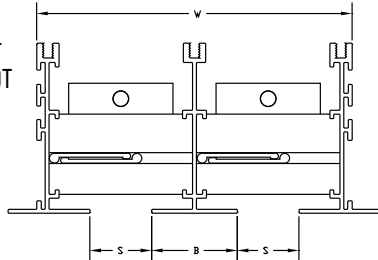
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ARCHITECTURAL LINEAR DIFFUSERS

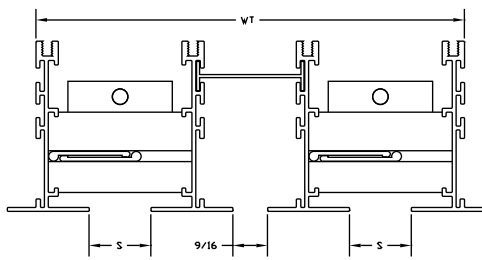


SLOT OPTIONS:

- ☐ 2 SLOT
☐ 2T SLOT



2 SLOT



2T SLOT (ACOUSTICAL)

MODEL	S SLOT WIDTH	B BORDER WIDTH	W WIDTH	WT WIDTH
FAL-10	1	1-3/8	5-1/8	6-15/16
FAL-15	1-1/2	1-7/8	7-1/8	8-15/16
FAL-20	2	2-3/8	9-1/8	10-15/16
FAL-25	2-1/2	2-7/8	11-1/8	12-15/16
FAL-30	3	3-3/8	13-1/8	14-15/16

PLENUM:

INSULATED

- ☐ FAPI-10
☐ FAPI-15
☐ FAPI-20
☐ FAPI-25
☐ FAPI-30

UNINSULATED

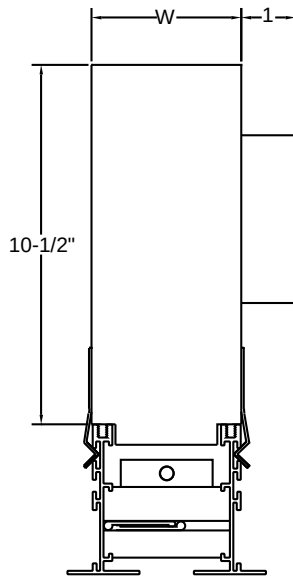
- ☐ FAP-10
☐ FAP-15
☐ FAP-20
☐ FAP-25
☐ FAP-30

LENGTH

- ☐ 2 FEET
☐ 3 FEET
☐ 4 FEET
☐ 5 FEET

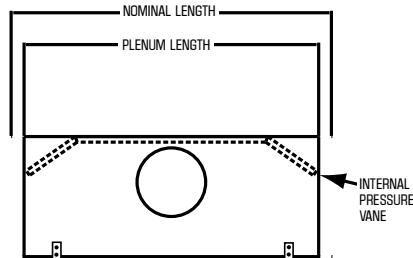
INLET

- ☐ 6 INCHES
☐ 8 INCHES
☐ 10 INCHES
☐ 12 INCHES



PLENUM (INSTALLED)
END VIEW

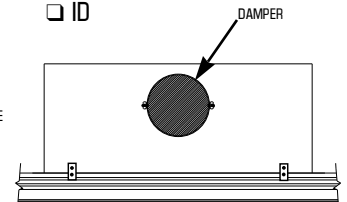
MODEL	FORMATIONS UNIT SLOT WIDTH	NUMBER OF SLOTS	DIM W	NOMINAL LENGTH	PLENUM LENGTH	STANDARD AVAILABLE INLETS	
						RND	OVAL
FAP, FAPI-10	1	1	2-3/4	24, 36, 48, 60	21-3/4, 33-3/4, 45-3/4, 57-3/4	6	8, 10, 12
FAP, FAPI-15	1-1/2	1	3-3/4	24, 36, 48, 60	21-3/4, 33-3/4, 45-3/4, 57-3/4	6	8, 10, 12
FAP, FAPI-20	2	1	4-3/4	24, 36, 48, 60	21-3/4, 33-3/4, 45-3/4, 57-3/4	6	8, 10, 12
FAP, FAPI-25	2-1/2	1	5-3/4	24, 36, 48, 60	21-3/4, 33-3/4, 45-3/4, 57-3/4	6	8, 10, 12
FAP, FAPI-30	3	1	6-3/4	24, 36, 48, 60	21-3/4, 33-3/4, 45-3/4, 57-3/4	6	8, 10, 12
FAP, FAPI-10	1	2	5-1/8	24, 36, 48, 60	21-3/4, 33-3/4, 45-3/4, 57-3/4	6	8, 10, 12
FAP, FAPI-15	1-1/2	2	7-1/8	24, 36, 48, 60	21-3/4, 33-3/4, 45-3/4, 57-3/4	6	8, 10, 12
FAP, FAPI-20	2	2	9-1/8	24, 36, 48, 60	21-3/4, 33-3/4, 45-3/4, 57-3/4	6	8, 10, 12
FAP, FAPI-25	2-1/2	2	11-1/8	24, 36, 48, 60	21-3/4, 33-3/4, 45-3/4, 57-3/4	6	8, 10, 12
FAP, FAPI-30	3	2	13-1/8	24, 36, 48, 60	21-3/4, 33-3/4, 45-3/4, 57-3/4	6	8, 10, 12



PLENUM SIDE VIEW

OPTIONAL INLET DAMPER:

- ☐ ID



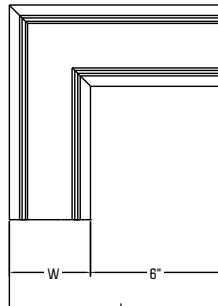
MITERED CORNERS:

90° ANGLE

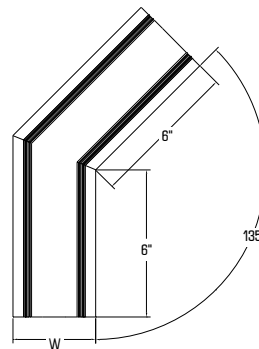
- ☐ FAM90-10
☐ FAM90-15
☐ FAM90-20
☐ FAM90-25
☐ FAM90-30

135° ANGLE

- ☐ FAM135-10
☐ FAM135-15
☐ FAM135-20
☐ FAM135-25
☐ FAM135-30



90°



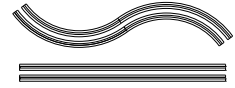
135°

NUMBER OF SLOTS	SLOT WIDTH	DIM W	DIM L
1	1	3-11/16	9-11/16
	1-1/2	4-11/16	10-11/16
	2	5-11/16	11-11/16
	2-1/2	6-11/16	12-11/16
	3	7-11/16	13-11/16
NUMBER OF SLOTS	SLOT WIDTH	DIM W	
2	1	3-11/16	
	1-1/2	4-11/16	
	2	5-11/16	
	2-1/2	6-11/16	
	3	7-11/16	



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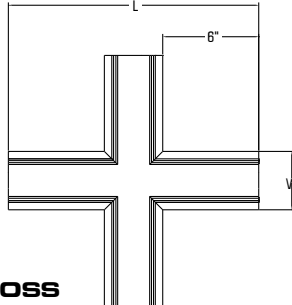
ARCHITECTURAL LINEAR DIFFUSERS



SUBMITTAL

CROSS:

- ☐ FAC-10
- ☐ FAC-15
- ☐ FAC-20
- ☐ FAC-25
- ☐ FAC-30



CROSS

NUMBER OF SLOTS	SLOT WIDTH	DIM L	DIM W
1	1	15-11/16	3-11/16
	1-1/2	16-11/16	4-11/16
	2	17-11/16	5-11/16
	2-1/2	18-11/16	6-11/16
	3	19-11/16	7-11/16

AVAILABLE IN BORDER
AA OR CC ONLY

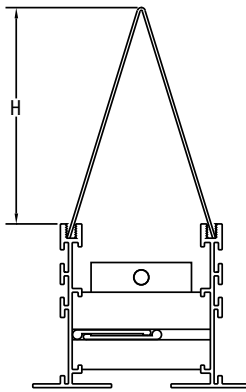
RETURN HOOD:

UNINSULATED

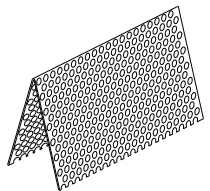
- ☐ FAR-10
- ☐ FAR-15
- ☐ FAR-20
- ☐ FAR-25
- ☐ FAR-30

INSULATED

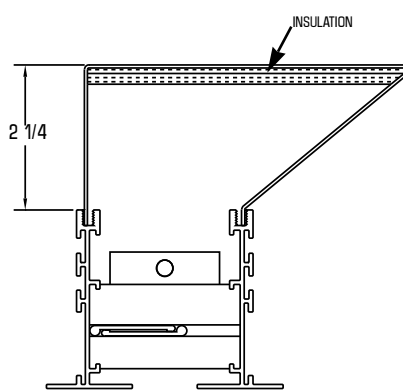
- ☐ FARI-10
- ☐ FARI-15
- ☐ FARI-20
- ☐ FARI-25
- ☐ FARI-30



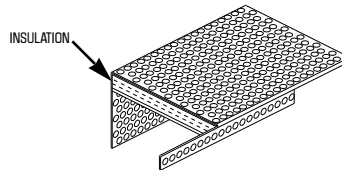
END VIEW
UNINSULATED



UNINSULATED



END VIEW
INSULATED



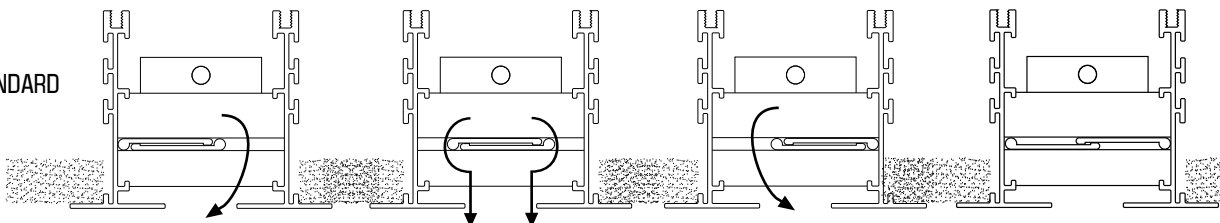
INSULATED

NUMBER OF SLOTS	SLOT WIDTH	DIM H
1	3/4	3-1/8
	1	3-1/8
	1-1/2	3-1/8
	2	3-1/8
	2-1/2	3-1/8
	3	3-1/8
NUMBER OF SLOTS	SLOT WIDTH	DIM H
2	3/4	1-3/4
	1	2-3/4
	1-1/2	3
	2	3-3/4
	2-1/2	5
	3	5-3/4
	4	6

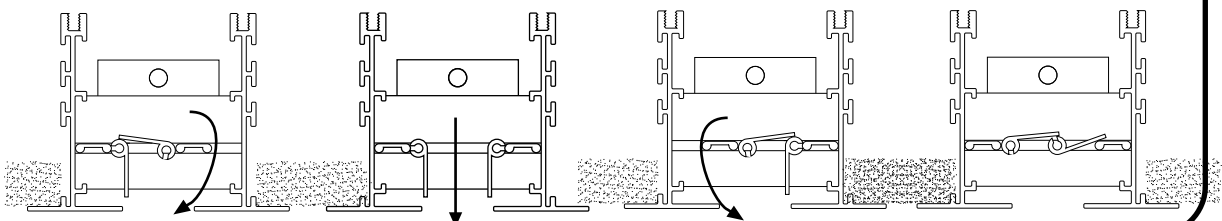
LINEAR

PATTERN CONTROLLER ADJUSTMENT OPTIONS:

STANDARD



COMBO



FALS-3.99

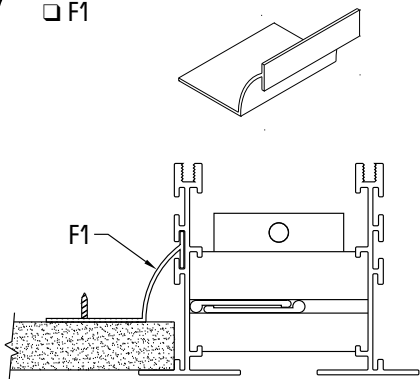


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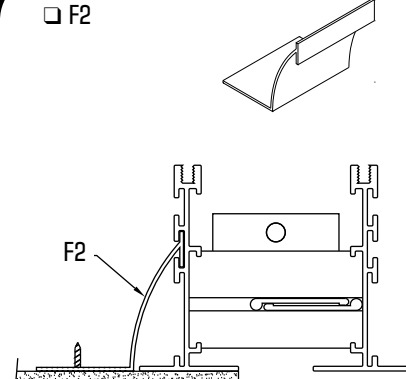


MOUNTING HARDWARE OPTIONS

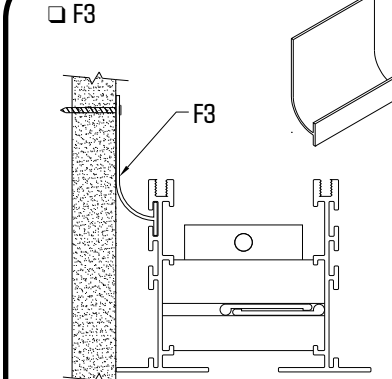
□ F1

**BORDER AA**

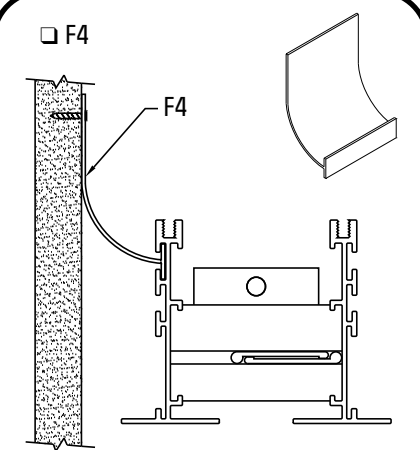
□ F2

**BORDER AA**

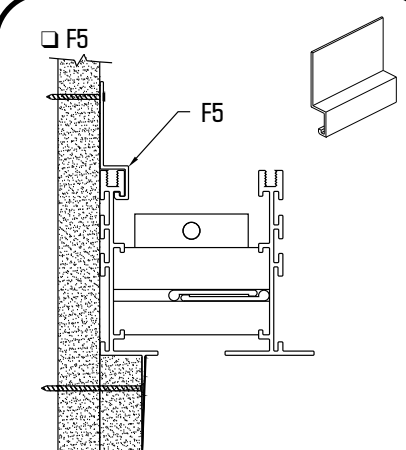
□ F3

**BORDER AA**

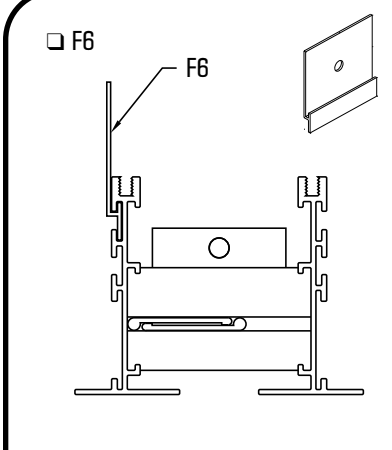
□ F4

**BORDER AA**

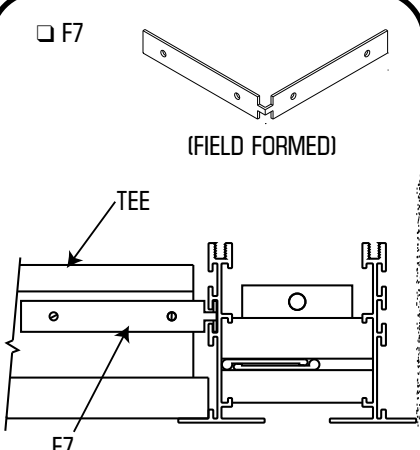
□ F5

**BORDER BA**

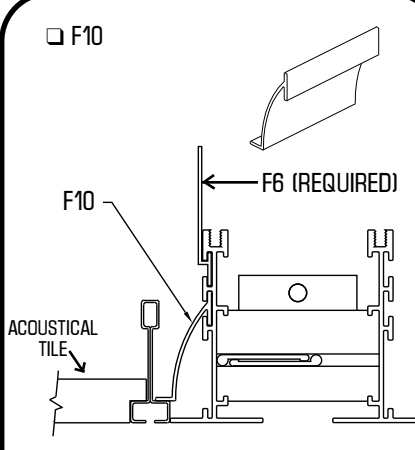
□ F6

**BORDER AA**

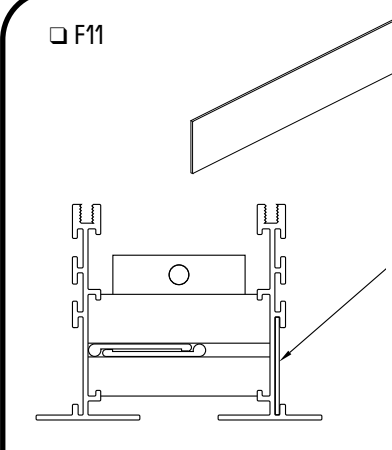
□ F7

**BORDER AA**

□ F10

**BORDER AA**

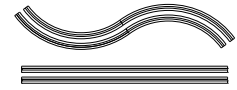
□ F11

**BORDER AA**



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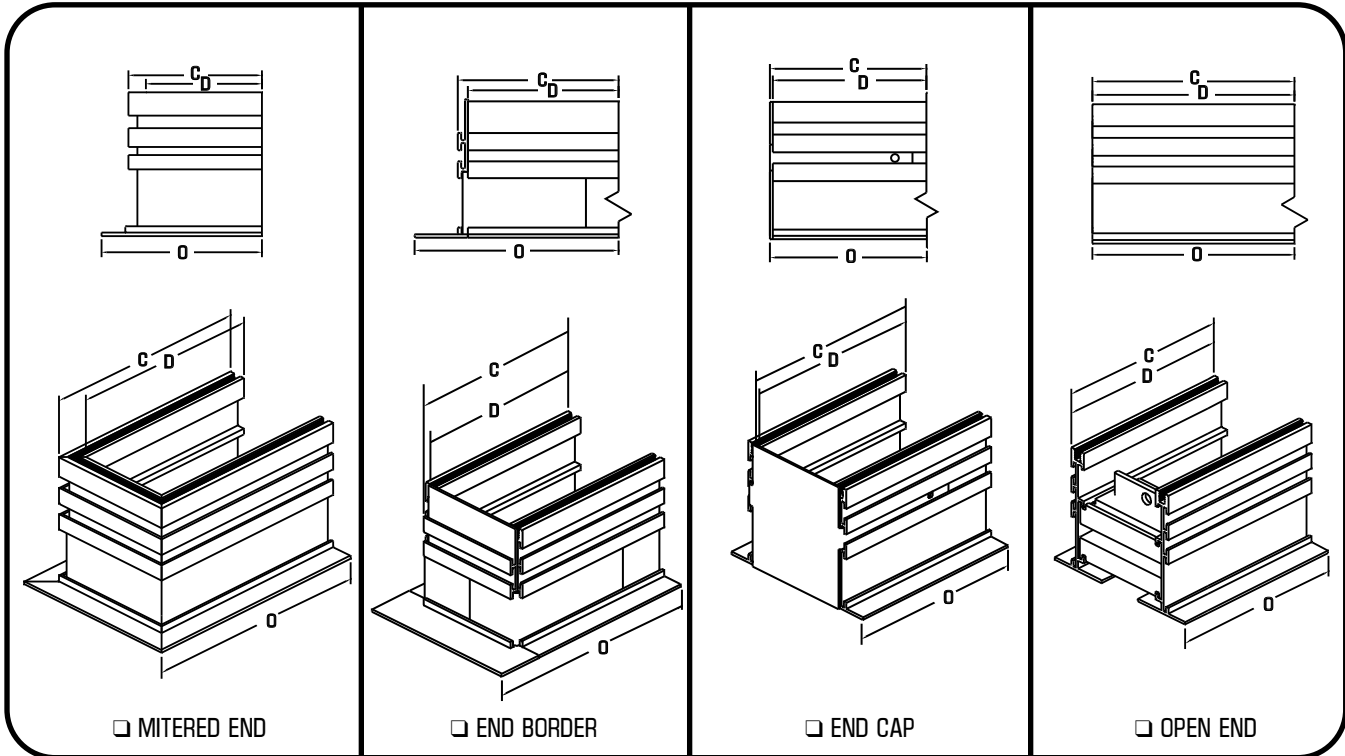
SUBMITTAL

LINEAR

FALS-3.99

15

END FABRICATION:



BORDER TYPE	SLOT WIDTH	STRAIGHT, STRAIGHT		STRAIGHT, OPEN		OPEN, OPEN		MITERED, MITERED		MITERED, OPEN		END CAP, END CAP		END CAP, OPEN	
		C	O	C	O	C	O	C	O	C	O	C	O	C	O
AA	1	D+3/8	D+2-1/8	D+3/16	D+1-1/16	D	D	D+3/4	D+1-5/8	D+3/8	D+13/16	D+1/8	D+1/8	D+1/16	D+1/16
	1 1/2	D+3/8	D+2-1/8	D+3/16	D+1-1/16	D	D	D+3/4	D+1-5/8	D+3/8	D+13/16	D+1/8	D+1/8	D+1/16	D+1/16
	2	D+3/8	D+2-1/8	D+3/16	D+1-1/16	D	D	D+3/4	D+1-5/8	D+3/8	D+13/16	D+1/8	D+1/8	D+1/16	D+1/16
	2 1/2	D+3/8	D+2-1/8	D+3/16	D+1-1/16	D	D	D+3/4	D+1-5/8	D+3/8	D+13/16	D+1/8	D+1/8	D+1/16	D+1/16
BA, AC BC, CC DA, DC	3	D+3/8	D+2-1/8	D+3/16	D+1-1/16	D	D	D+3/4	D+1-5/8	D+3/8	D+13/16	D+1/8	D+1/8	D+1/16	D+1/16
	1	N/A	N/A	N/A	N/A	D	D	N/A	N/A	N/A	N/A	D+1/8	D+1/8	D+1/16	D+1/16
	1 1/2	N/A	N/A	N/A	N/A	D	D	N/A	N/A	N/A	N/A	D+1/8	D+1/8	D+1/16	D+1/16
	2	N/A	N/A	N/A	N/A	D	D	N/A	N/A	N/A	N/A	D+1/8	D+1/8	D+1/16	D+1/16
	2 1/2	N/A	N/A	N/A	N/A	D	D	N/A	N/A	N/A	N/A	D+1/8	D+1/8	D+1/16	D+1/16
	3	N/A	N/A	N/A	N/A	D	D	N/A	N/A	N/A	N/A	D+1/8	D+1/8	D+1/16	D+1/16

GENERAL:

- Diffuser constructed of aluminum.
- Extruded aluminum construction.
- Pattern controllers are furnished in 24" sections.
- All dimensions are in inches.
- Alignment splines for continuous runs.

Job Name: _____

Location: _____

Architect: _____

Engineer: _____

Contractor: _____

Date: _____ Drawing No. _____ Page _____

METAL*AIRE

1310 N. HERCULES AVE. CLEARWATER, FL 33765 (727) 441-2651 FAX (727) 462-2914