#### **APPLICATION**

- · Recommended for heating, cooling, or general ventilation applications
- · Supplyor return air systems
- · Sill installation blankets glass or outer walls.
- · High sidewall installation gives horizontal spread.
- For floor use, Model AL1 Airline grilles are highly recommended with FG or FH borders due to heavyreinforcement. Dust deposits are easily cleaned by removing the core from its frame.
- · Ceiling installed models are available with welded-in cores.

#### PRODUCT FEATURES

- · Heavy gauge, extruded aluminum construction
- Removable core (up to 18" height) separates from its frame no need for a "frame in a frame" or sub-frame assembly. Easy accessibility to ducts for servicing or cleaning purposes, or for air flow adjustment.
- 5 border types for application flexibility. Style FG & FH borders include floor reinforcement beams for floor mounting applications.
- Thinline models include 1/8" wide bars on 1/4" (Model TL1N) or 1/2" centers (Model TL1W)
- Airline models include 1/4" wide bars on 1/2" centers (Model AL)
- Core deflection angles of 0°, 15°, or 45° for precise directional control of supply air or return air use.
- Fastening methods include visible border screws, or concealed mounting options.
- · Arctic White baked-onfinish or natural anodize.
- Lengths to 120" for full sections. Unlimited length continuous runs (96" max sections) using frame alignment strips.
- Heights from 2" to 18" (with removable core). Welded-in core construction on heights over 18" (cores non-removable).

#### **GRILLE OPTIONS**

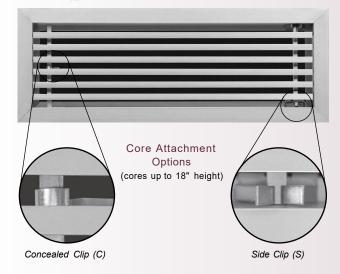
- Floor reinforcement "beams" on borders 6, 7, 9 (border 9 recommended for high traffic areas where a flanged frame is required).
- · Factory applied gasket material to frame
- Aluminum or steel opposed blade volume control dampers minimum 4" height. Flap damper used for heights under 4".
- Custom / optional paint colors
- Double deflection models with rear, individuallyadjustable blades for spread control
- Mitered corners
- Blank-off baffles
- · Panel or bar type access doors
- · Debris screen

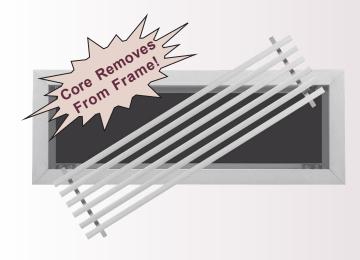


## **UP TO 120 " SINGLE PIECE**

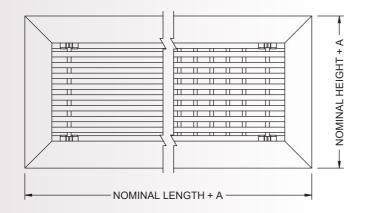
CONSTRUCTION REDUCES JOINTS

Model AL1/#7 Border



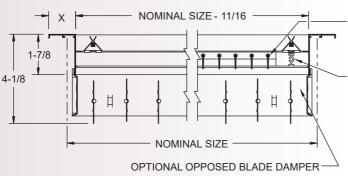


#### 6, 7, 9 BORDER -



BORDER STYLE	Х	Α
NO. 6	1-1/4"	1-13/16"
NO. 7	5/8"	9/16"
NO. 9	1"	1-5/16"





OPTIONAL REAR LOUVERS FOR DOUBLE DEFLECTION (SPREAD CONTROL)

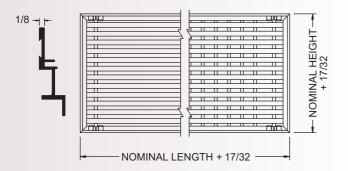
OPTIONAL FLOOR REINFORCING BARS (BORDER 9 RECOMMENDED FOR HIGH TRAFFIC AREAS WHERE A FLANGED FRAME IS REQUIRED)



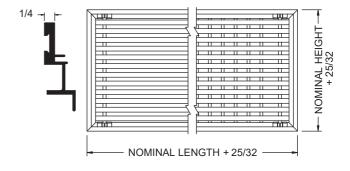


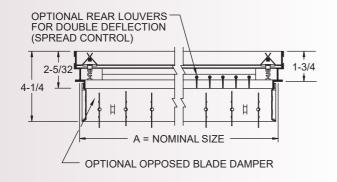
#### **FG BORDER**

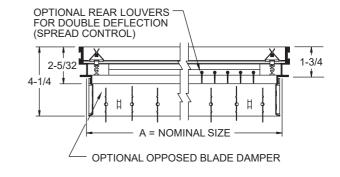
FLOOR REINFORCED



# FH BORDER — FLOOR REINFORCED



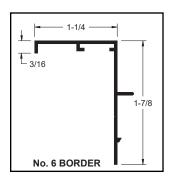


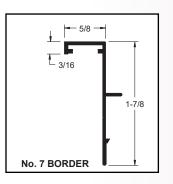


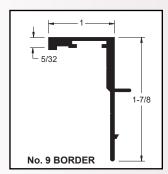
## CORE ONLY -

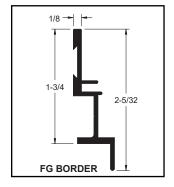


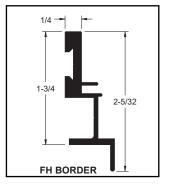
## BORDER AND FRAME STYLES -

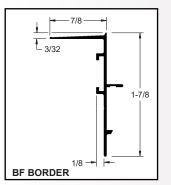


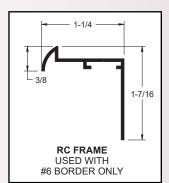






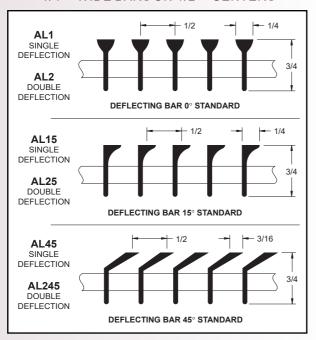




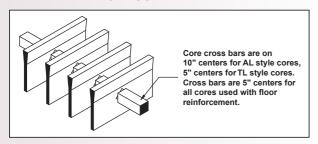


Border 9 with optional floor reinforcing is recommended for high traffic areas where a flanged frame is required.

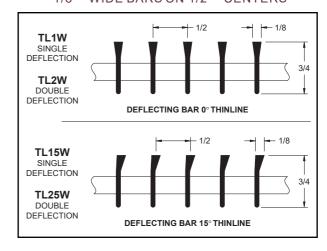
#### 1/4" WIDE BARS ON 1/2" CENTERS



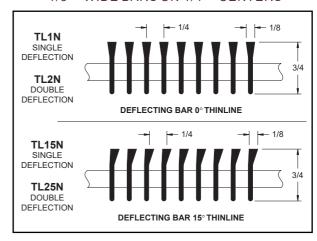
#### TYPICAL CORE ASSEMBLY



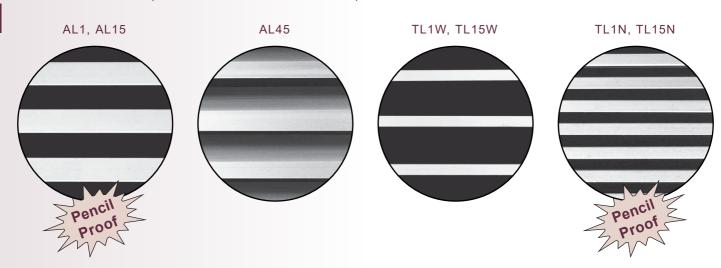
#### 1/8" WIDE BARS ON 1/2" CENTERS

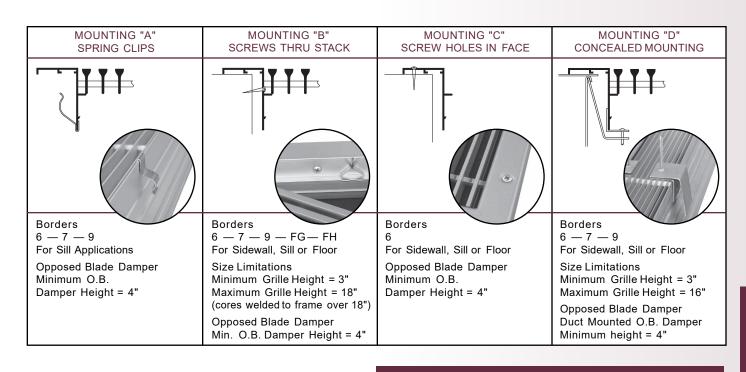


#### 1/8" WIDE BARS ON 1/4" CENTERS

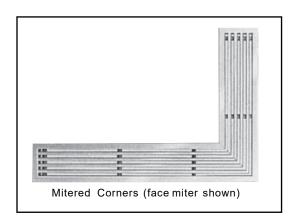


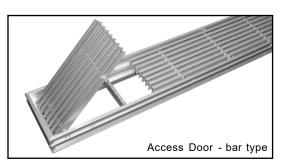
## CORE FACE VIEWS (APPROXIMATELY FULL SCALE) -

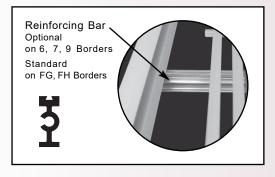


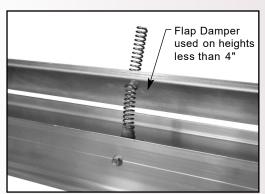


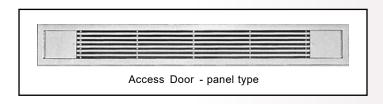
## accessories











#### **APPLICATION**

- Wall applications requiring shallow grille to eliminate special framing requirement or notching of studs
- Recommended for heating, cooling, or general ventilation applications
- · Supplyor return air systems

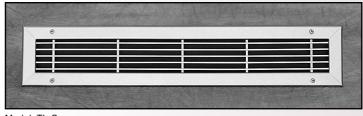
#### PRODUCT FEATURES

- Grille extends less than 5/8" into wall continuous runs in sheet rock without special consideration for framing or stud interference
- Coresavailablewith 1/8" or 1/4" bars on 1/4" or 1/2" centers - 0°, 15°, or 45° deflection
- Duct heights from 2" to 18"
- · Heavy gauge, extruded aluminum core construction
- · Core is arc welded to border non-removable.
- Borders countersunk for provided screws (mounting type C)
- · Arctic White baked-onfinish
- Lengths to 116" in one piece, or continuous runs using alignment strips.

#### **GRILL OPTIONS**

- · Core Only
- · Concealed Mounting Option D
- · Optional paint colors or custom color matching

## PERFORMANCE DATA - Pages E-8 - E-11



Model TL-S

