

## MODEL SLAD

Aluminum linear slot supply diffusers shall be Anemostat Model SLAD Straight Line Adjustable Diffusers, Model SLAR matching returns (without pattern control vanes), and Model SLAC combination supply-return units as scheduled. Outer frame type shall conform and integrate with the floor, wall, or ceiling type shown.

Linear diffusers shall be available up to 72" in single-piece length, and have 1 to 8 slots, with a slot width of 1/2", 3/4", 1", or 1-1/2" as scheduled for the appearance and performance requirements as shown. Diffuser runs greater than 72" shall consist of multiple diffusers aligned end-to-end using alignment strips within the diffuser keyways, to form a continuous slot appearance. Alignment strips shall be provided by the diffuser manufacturer.

Diffusers and matching returns shall consist of extruded aluminum frames, tees, and pattern control components assembled using heavy gauge, coated steel cross members for rigidity. All movable air control components shall be extruded aluminum -steel and plastic control components are not acceptable. Inverted tee members and pattern control components shall be secured to the steel cross members with heavy-duty springs. These components shall be removable, without tools, providing access to the plenum to install as detailed.

The aluminum extruded flow control vanes utilized in supply diffusers shall be independently adjustable within each slot to control air volume and pattern (direction) for vertical or horizontal

directions. Inactive sections shall be blanked-off utilizing flow control vanes. Diffuser lengths greater than 36" shall include multiple piece flow control vanes. The physical appearance of the face of supply diffusers shall not change regardless of these adjustments. Supply diffusers and return units shall also be identical in appearance from the face. Ice tong designs are not acceptable.

Concealed mounting brackets, accessible by removal of inner assemblies, shall be provided for attaching to the supply duct / plenum without any visible mounting screws.

Finish shall be Anemostat Arctic White (or color as scheduled or selected by the Architect) with flat black pattern / volume control elements.

### SLAD ACCESSORIES

Anemostat Model ED Equalizing Deflectors shall be provided, for field installation and adjustment, for lateral control of the air pattern at 90° to the axis of continuous runs of units, or for spread pattern control of single units. (Optional) 1/2" x 1/2" x 1/2" aluminum egg crate material shall be provided in the neck of the supply linear diffusers to improve directional control of the supply air stream.

## MODEL TAZR

Aluminum linear slot supply diffusers shall be Anemostat Model TAZR-S, Model TAZR-R matching returns (without pattern control vanes), and Model TAZR-C combination supply-return units as scheduled. Linear diffusers shall be specifically designed to integrate with Armstrong World Industries' TechZone ceiling system as scheduled.

Linear diffusers shall be available up to 72" in single-piece length, and have 1 to 4 slots, with a slot width of 1/2", 3/4", 1", or 1-1/2" as scheduled for the appearance and performance requirements as shown. Diffuser runs greater than 72" shall consist of multiple diffusers aligned end-to-end using alignment strips within diffuser keyways, to form a continuous slot appearance. Alignment strips shall be provided by the diffuser manufacturer.

Diffusers and matching returns shall consist of extruded aluminum frames, tees, and pattern control components assembled using heavy gauge, coated steel cross members for rigidity. All movable air control components shall be extruded aluminum -steel and plastic control components are not acceptable. Inverted tee members and pattern control components shall be secured to the steel cross members with heavy-duty springs. These components shall be removable, without tools, providing access to the plenum to install as detailed.

The aluminum extruded flow control vanes utilized in supply diffusers shall be independently adjustable within each slot to control air volume and pattern (direction) for vertical or horizontal directions. Inactive sections shall be blanked-off utilizing flow control vanes. Diffuser lengths greater than 36" shall include multiple piece flow control vanes. The physical appearance of the face of supply diffusers shall not change regardless of these adjustments. Supply diffusers and return units shall also be identical in appearance from the face. Ice tong designs are not acceptable.

Concealed mounting brackets, accessible by removal of inner assemblies, shall be provided for attaching the supply duct / plenum without any visible mounting screws.

Finish shall be Anemostat Arctic White thermoset finish (or color as scheduled or selected by the Architect) with black pattern / volume control elements.

### TAZR ACCESSORIES

Anemostat Model ED Equalizing Deflectors shall be provided, for field installation and adjustment, for lateral control of the air pattern at 90° to the axis of continuous runs of units, or for spread pattern control of single units. (Optional) 1/2" x 1/2" x 1/2" aluminum egg crate material shall be provided in the neck of the supply linear diffusers to improve directional control of the supply air stream.

## MODEL AD

Provide Anemostat Model AD supply air distribution plenums of the length and inlet size as shown. Plenums shall be specifically designed to match Anemostat Model SLAD, SLAR, and SLAC linear diffusers and returns. Plenum cross sectional areas shall be sufficiently sized for the length and design air flow to achieve no more than a 75° angle of discharge. Plenums shall be constructed from coated steel. Side inlet collars shall be at least 1" long.

(Optional) Provide field mounted inlet balancing dampers as scheduled. (Optional) Plenums shall be insulated with (1/2" internal insulation) (1/2" internal foil-faced insulation) (1/2" external foil-faced insulation) (3/8" internal fiber-free foam insulation).