

### Equipment Description

The Equipment furnished by The Airlite Company, LLC consists of fixed blade stationary louvers and related components as required by the customer's architectural specifications. All louvers and components are supplied in strict accordance with the final approved drawings, and meet or exceed industry standards. Louvers and component materials are of the highest quality available. When installed and maintained properly, in accordance with this manual, they will provide superior performance and longevity.

### Storage Instructions

The louvers and components are shipped in semi-enclosed wooden crates, and should be left in the crate until ready for installation. Inside storage is preferable. If outside storage is required, the crates should be blocked up or otherwise elevated from the ground or pavement, and covered securely with waterproof coverings of plastic film. Warps "Coverall" or "Visqueen" film sheeting is recommended as adequate protection, however, any plastic film waterproof sheeting of equal quality is acceptable. Louvers and components are not wrapped or protected from moisture or dirt within the wooden crates. If prolonged storage is anticipated, either inside or out in the weather, adequate steps should be taken to protect the units and their finishes. It is also possible to order individual section plastic wrap when long term storage is anticipated. Handling to and from storage should be accomplished with the wooden crates intact. Physical damages, marred finishes, loss of loose parts and fasteners, and separation of associated components may occur if crates are dismantled and louver components removed to facilitate storage.

### Installation Instructions General Recommendations:

1. Louvers and components should be left within their shipping crates until actual installation is imminent.
2. Use caution in handling crates, individual louver sections and components to avoid damage or loss of parts.
3. If cranes, hoists, or similar methods must be used to handle louvers into their designated wall openings, the use of nylon slings, or equal non-marring materials help guard against physical damage or finish marring.
4. **Do Not Force the Louver into the Wall Opening.** Adequate clearance has been allowed around all louver sides if wall opening dimensions are in accordance with the job use drawings provided. Forcing louvers into too small or out of square openings will result in physical damage
5. Louver frames shall be set plumb, square, level, in true alignment and securely anchored in accordance with the approved shop and contract drawings.
6. Refer to the proper job use drawing for each louver opening. Installation techniques and fasteners, set-back dimensions, and internal building conditions often vary from one louver opening to another, and the specific louver schedules reflect these differences.
7. Shimming louvers into the openings in the wall is highly recommended. Proper spacing of the louvers in the wall assures a finished pleasing appearance, and allows for proper caulking or sealing around the louver perimeter. Shims may be removed after louver is secured into place or left within the openings if they are not detrimental to caulking, operation, or appearance.
8. Do not use fasteners in installations that are subject to electrolysis between louver and building materials.
9. After satisfactory installation is accomplished, care should be taken to prevent further materials such as mortar, tar products, etc., from coming in contact with louvers, components.

### Operating Instructions

Stationary or fixed blade louvers, do not require operational procedures. Louvers are functional dependent upon natural or mechanically produced air pressures. Care should be taken in the placement on non-related equipment on both internal and external faces of the louvers, so as not to obstruct or hinder the required air flow patterns for proper operation. Air volumes are directly related, and in proportion to the un-obstructed free face areas on both sides of the louvers.

### Maintenance Instructions

Stationary or fixed blade louvers require no maintenance to remain functional. The louver finish may be subject to deterioration dependent solely upon the environment in which louvers are installed. Appearance and longevity of the finish may be greatly extended by an occasional cleaning, the frequency of which, is again solely dependent upon the environment.

Proper cleaning may be accomplished with the use of a light scrubbing action, used in conjunction with a good grade of common household mild detergent. Harsh acidic or caustic cleaners are not recommended. Under no condition should the louver or component finish be scrubbed with an abrasive cleaner or apparatus.

### Inactivation Procedures

Stationary, or fixed blade louvers, require no specific procedures to be taken during inactivation periods. Coverings placed over the louver openings may be desirable to prevent building heat loss or airborne dirt inflow, but are not required from a louver demand standpoint. Building criteria, weather conditions, and duration of inactivation period are factors to consider prior to covering louver openings. Stationary louvers are not adversely affected by periods of inactivity.

### Troubleshooting Procedures

Stationary, or fixed blade louvers, by nature of their design and function, require no troubleshooting procedures.

### Parts List

Stationary, or fixed blade louvers may be all welded, tenoned or mechanically fastened assemblies and have no field replaceable parts.

### Component Parts

Component parts included with the louvers, such as screens, mullions and fasteners, are field replaceable if damaged or lost. Refer to the specific louver drawings when ordering component parts, for exact size and quantity required. **Note: Not all field replaceable parts are standard items maintained by The Airlite Company, LLC. Replacement parts availability should be checked with the factory.**

### Special Tools and Instruments

No special tools or instruments are required to install or maintain the louvers furnished and covered by this manual.