

# **SUPPLEMENTAL INSTRUCTIONS**

## **AIR LEAKAGE**

## **SMOKE SEALS**

<b>Job Name:</b>	<b>Docket #:</b>

**These installation instructions have been prepared to assist you. They are not prepared to alleviate you from complying with local building codes and ordinances.**

**Keep for reference**

# INSTALLATION

## Smoke Door Modification (for smoke doors only)

*Additional requirements must be added to the fire door to classify the door as a "smoke door".*

- 1) Apply silicone along the full length of the guides along each edge that comes in contact with the jamb. For between jamb mounting, silicone must be applied in between the tube and the wall guide angle as shown in Fig. 21.**

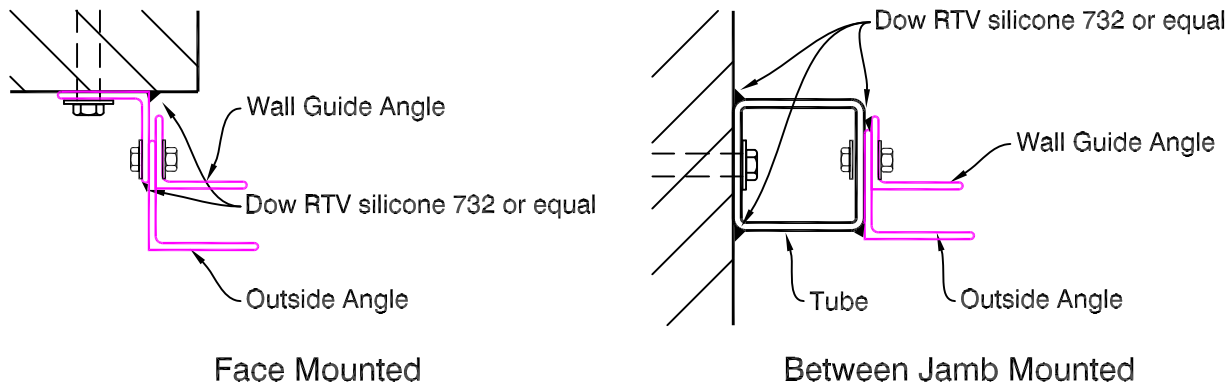


Fig. 21

- 2) Apply silicone around the entire perimeter of the hood along the edge that comes in contact with the wall. For under header mounting, apply silicone around the entire perimeter of the fascia and tube as shown in Fig. 22.**

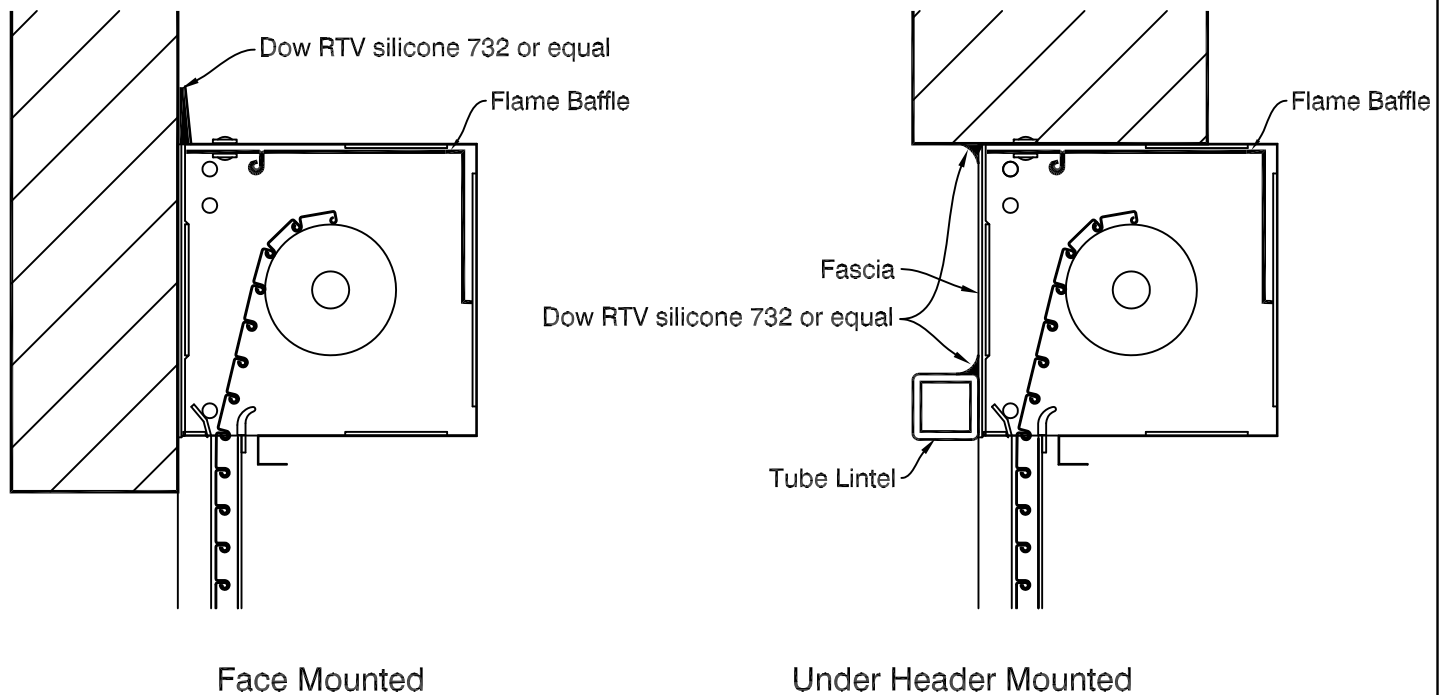


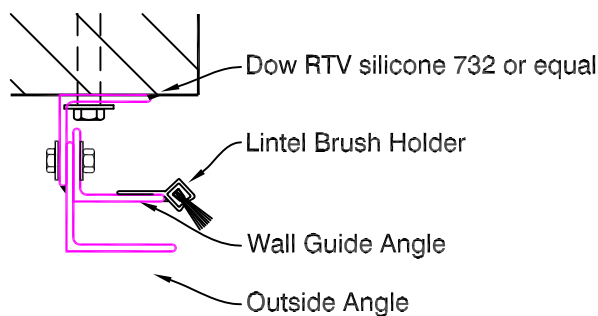
Fig. 22



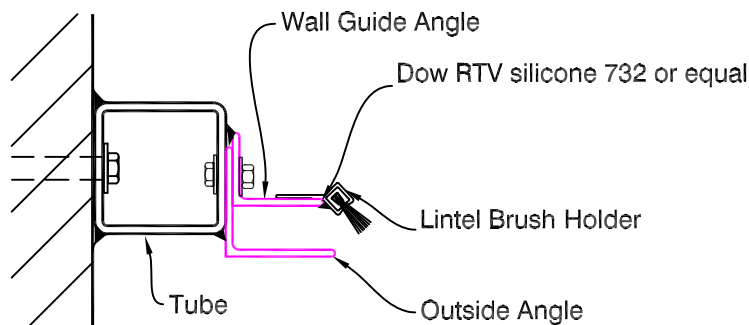
**ALL GAPS, EDGES AND SEAMS MUST BE SEALED AROUND THE FULL PERIMETER OF THE DOOR WITH DOW RTV SILICONE 732 OR EQUAL.**

# INSTALLATION

**3) Mount the guide brush holder to the inside edge of the wall guide angle as shown in Fig. 23 NOTE: apply silicone along the full length between the guide brush holder and the wall guide angle.**



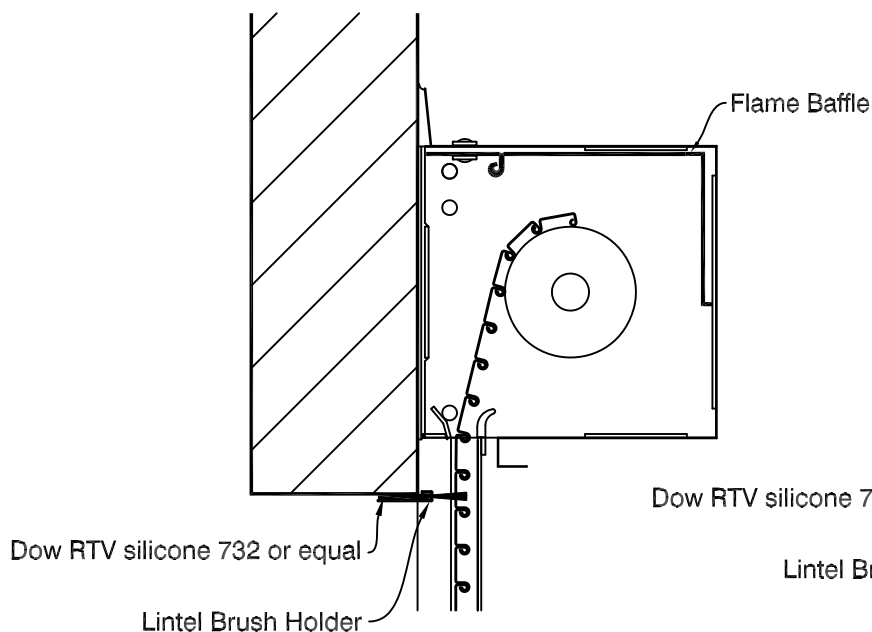
Face Mounted



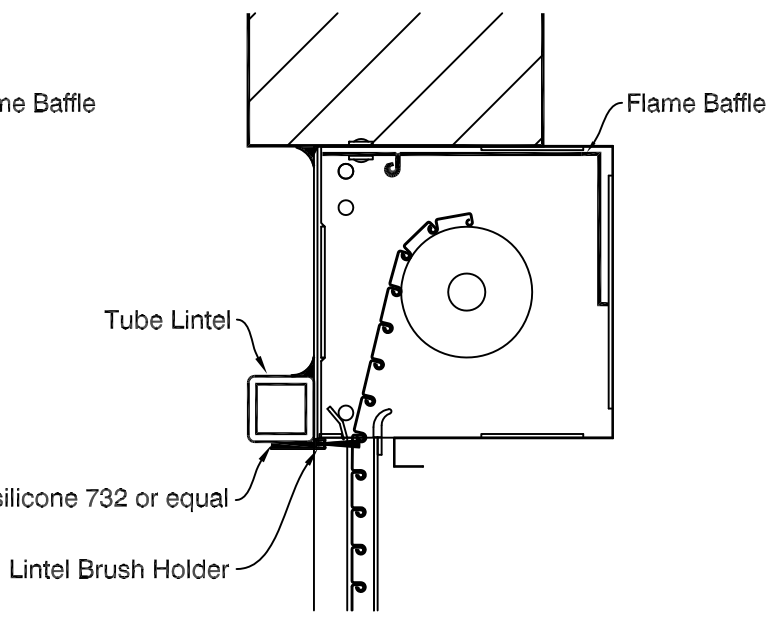
Between Jamb Mounted

Fig. 23

**4) Mount the lintel brush holder to the lintel as shown in Fig 24. For under header mounting, mount the lintel brush holder to the tube lintel. NOTE: Apply silicone along the length between the lintel brush holder and the lintel.**



Face Mounted



Under Header Mounted

Fig. 24



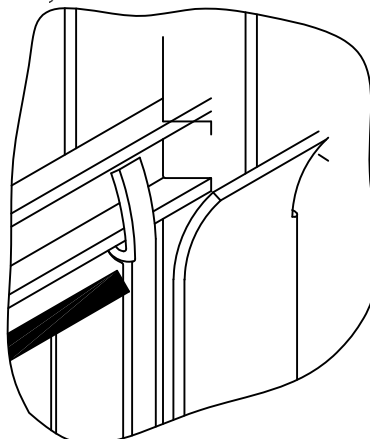
**ALL GAPS, EDGES AND SEAMS MUST BE SEALED AROUND THE FULL PERIMETER OF THE DOOR WITH DOW RTV SILICONE 732 OR EQUAL.**

# INSTALLATION

**5) Sealing compound must be placed at the bottom of each guide where the guide comes in contact with the floor or counter. Any other area where air leakage may occur, must be sealed with the sealing compound.**

Figure 25 shows the location of the support channel for mounting the lintel brush. This mounting is the similar for both face of wall and between jambs units.

Fig. 25



Figures 26 & 27 show where the sealing compound must be applied to a face of wall unit.

Fig. 26

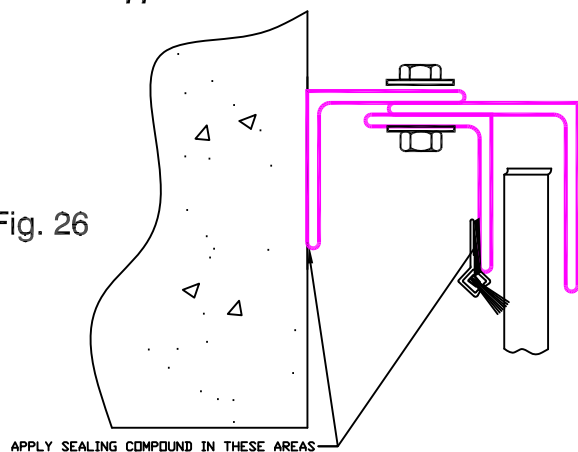
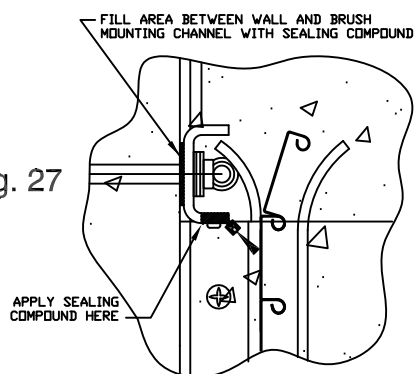


Fig. 27



Figures 28 & 29 show where the sealing compound must be applied to a between the jambs unit, the entire perimeter of the fascia must be sealed with a bead of the sealing compound.

Fig. 28

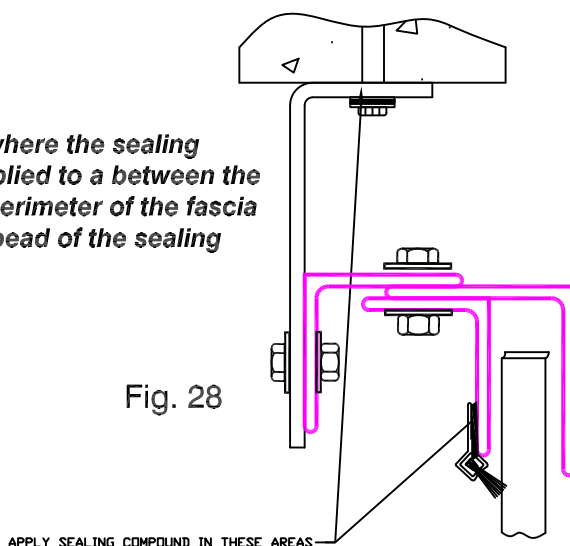
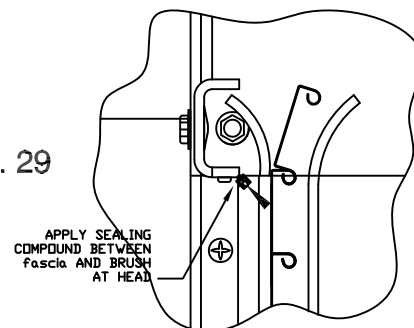


Fig. 29



**ALL GAPS, EDGES AND SEAMS MUST BE SEALED AROUND THE FULL PERIMETER OF THE DOOR WITH DOW RTV SILICONE 723 OR EQUAL.**

## **MAINTENANCE INSTRUCTIONS**



**ONLY EXPERIENCED PERSONNEL SHOULD PERFORM MAINTENANCE**

### **LUBRICATION**

The most important maintenance item on doors of this type is lubrication.

The curtain, guides and teeth of the gears contained in motor or hand crank mechanism (if supplied) should be lubricated at least twice a year (more often if door works very frequently) with one of the following greases, or equivalent:

- Dixon's #2 Graphite Cup Grease (#1 for summer weather)
- Alemite MP Lithium Grease (#1 for winter weather, #2 for normal)
- Texaco #904 Graphite Grease

If door is electrically operated, check the oil level in the worm gear speed reducer every six months and replenish if necessary with S.A.E 140 gear oil, for normally heated buildings, thinner grades for outside installations exposed to low temperatures.

### **PAINT**

All non-lubricated steel surfaces should be painted annually (more often if required in corrosive atmospheres) with a good grade of rust inhibiting metallic base paint.

### **SPRING ADJUSTMENT**

In time, the counter balancing springs may lose some of their initial tension; this condition imposes an extra load on the operator and should be corrected as follows:

- 1a) Manually operated doors should be opened fully by hand and held open by "C" clamps or Vice grip pliers on each guide.
- 1b) Mechanically operated doors should be opened fully and the crank or hand chain should be locked to hold the door open.
- 1c) Electrically operated doors should be open fully by pushing the UP or OPEN button (motor brake will hold the door open) shut off power supply to the motor during adjustment.
- 2) With suitable tool (18" or 24" pipe wrench or larger spanner) turn the spring adjusting wheel (1/8 turn at a time) until the door is balanced properly. Make sure pawl is properly engaged in spring adjusting wheel.

NOTE: For door with adjusting wheel on left hand side, wind spring clockwise (downward), for door with adjusting wheel on right hand side, wind spring counter clockwise (downward).

### **DROP TEST**

After spring adjustment is made, the door must be drop tested to assure the normal function of the ALPINE fire door.

**CAUTION: ONLY EXPERIENCED PERSONNEL SHOULD TEST AND RESET FIRE DOORS.**