

## INSTALLATION INSTRUCTIONS BACKDRAFT DAMPERS

### APPLICATION

Backdraft dampers (depending on size) are often shipped in multiple sections which must be assembled together in the field to form one single bank of dampers. This installation instruction will show the method of combining these damper assemblies together.

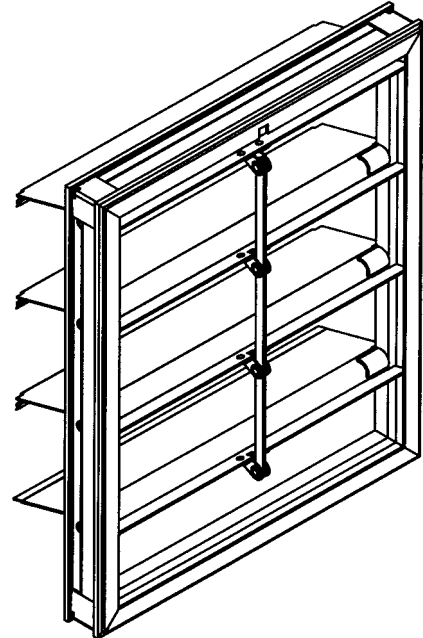
### GRAVITY BACKDRAFT DAMPER

#### Model BD2/A1 BD2/A2 Maximum Size

Single Section – 40”w x 48”h (1016 x 1219).  
Multiple Section Assembly – Unlimited Size..

#### Model BD6 Maximum Size

Single Section – 48”w x 52”h (1219 x 1321).  
Multiple Section Assembly – Unlimited Size.



BD2/BD6

### COUNTERBALANCED BACKDRAFT DAMPER

#### Model CBD2 Maximum Size

Single Section – 40”w x 48”h (1016 x 1219).  
Multiple Section Assembly – Unlimited Size..

#### Model CBD4 Maximum Size

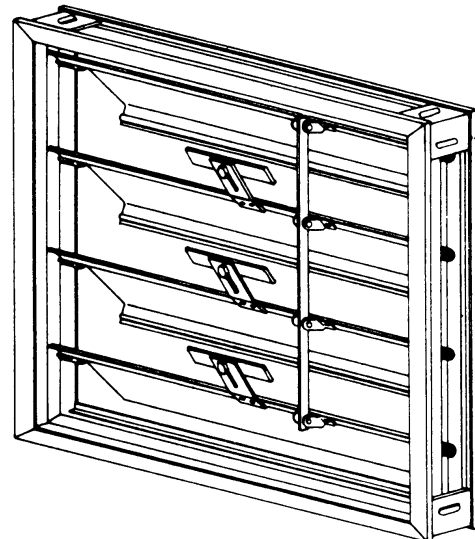
Single Section – 48”w x 52”h (1219 x 1321).  
Multiple Section Assembly – Unlimited Size.

#### Model CBD6 Maximum Size

Single Section – 48”w x 52”h (1219 x 1321).  
Multiple Section Assembly – Unlimited Size.

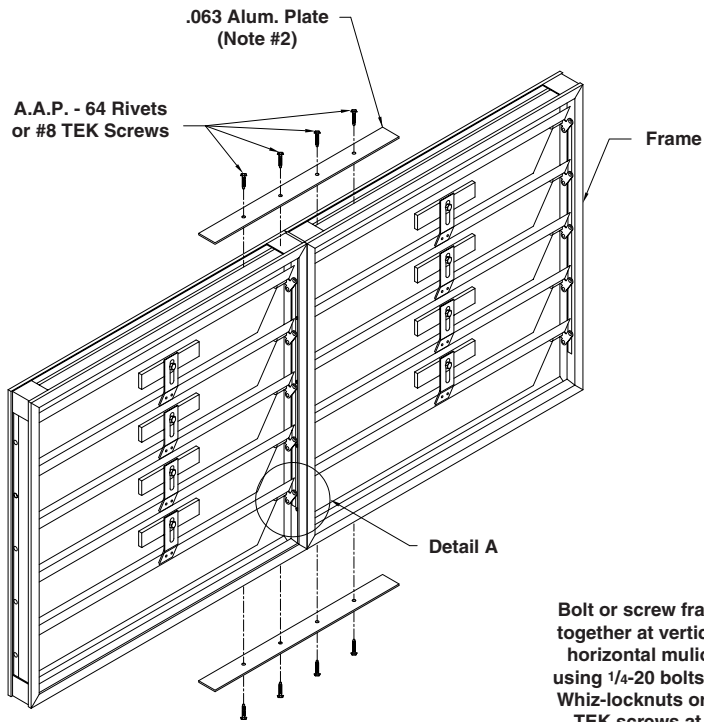
#### Notes:

1. Dimensions shown in parentheses ( ) indicate millimeters.
2. All multiple section dampers are constructed of equal single section sizes no greater than the maximum single section sizes indicated above.

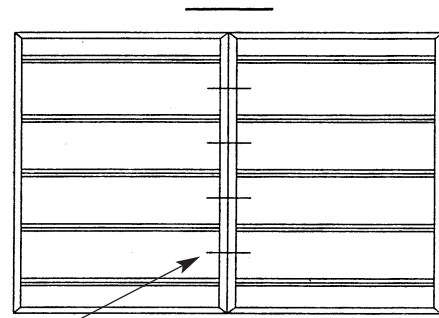


CBD2/CBD6

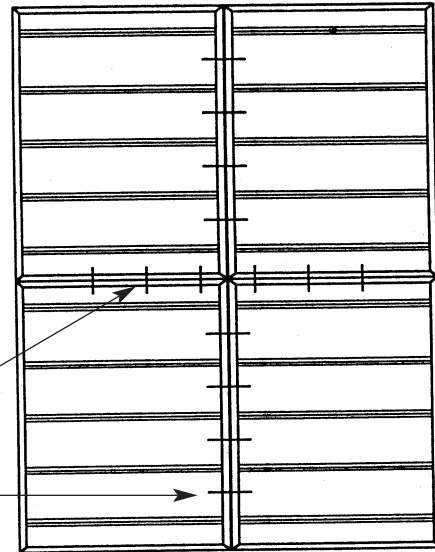
1. Assemble sections together by using bolt or screw method as shown in detail 1 & 2. For dampers with section configurations not shown please follow same guidelines
2. Install aluminum plate at the top and bottom of single section tall dampers as shown in detail 1. For dampers that are more than one section tall, install aluminum plate at top, bottom and sides of dampers per detail 2.



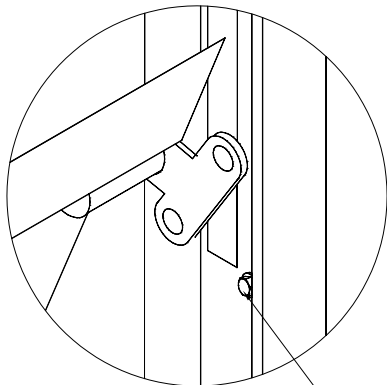
Bolt or screw frames together at vertical & horizontal mulions using 1/4-20 bolts with Whiz-locknuts or #10 TEK screws at 6" (152 centers (approx.) by others



Install alum. plate top, bottom



Install alum. plate top, bottom & sides



Fastener not to interfere with linkage

**Notes:**

1. **Caution:** Be sure fasteners (by others) DO NOT interfere with linkage, see Detail A
2. .063 Alum. plate to be 15/8" (41) wide x 10" (254) long on BD2's and CBD2's and 13/4" wide x 10" long on BD6's and CBD6's.
3. Multiple section assemblies may require bracing to support the weight of the assembly and to hold against system pressure. **Bracing supplied by others.**