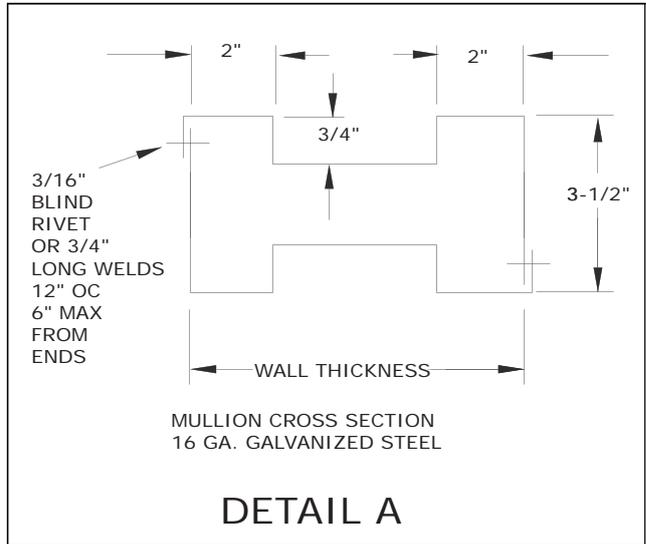
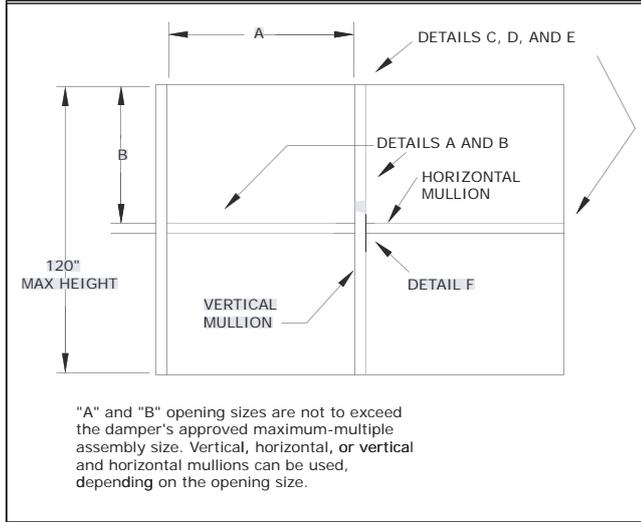


# FIRE DAMPERS INSTALLATION INSTRUCTIONS

## MULLION FRAME FOR OVERSIZED WALL OPENINGS

These fabricated galvanized steel mullions are intended to subdivide a large vertical wall opening into smaller openings.

These smaller openings are not to exceed the maximum size restrictions of the UL Classified 1-1/2 hour galvanized steel fire damper assembly.

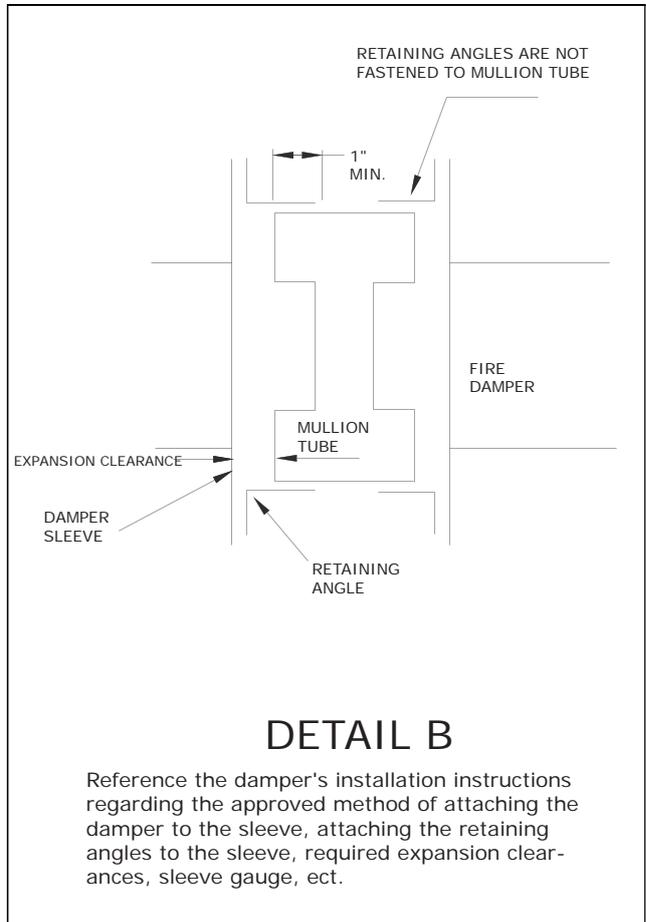


## CONDITIONS & RESTRICTIONS

Fabricated from galvanized steel with a normal yield strength of 42,000 psi.

Intended for use in concrete block or poured walls only with a minimum wall thickness of 7" and a maximum wall thickness of 12". To permit proper embedding of anchors, hollow concrete block walls are to be filled at the opening by minimum 3,500 psi concrete.

Steel mullions are not to be inside the ductwork. For ducted systems, each sub-divided opening must be individually ducted.

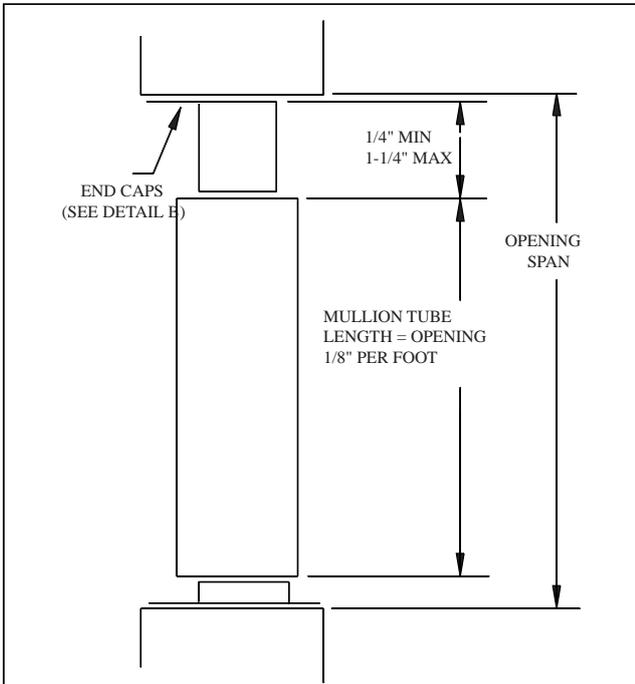




INSTALLATION INSTRUCTIONS  
IN CONFORMANCE TO  
UNDERWRITERS LABORATORIES  
REQUIREMENTS

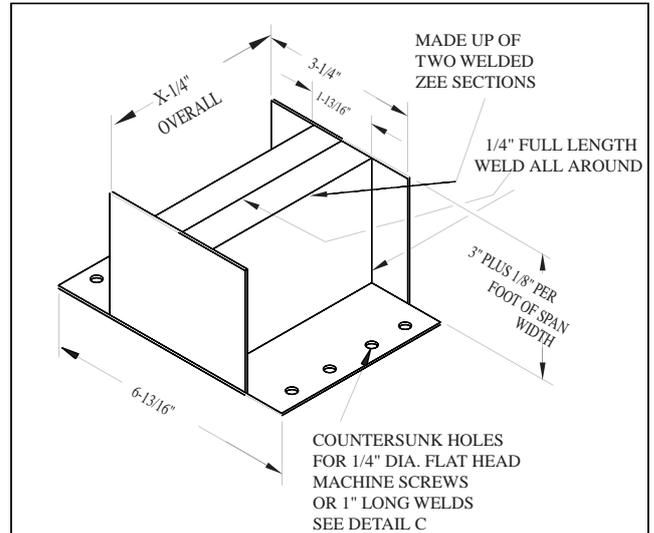
# FIRE DAMPERS INSTALLATION INSTRUCTIONS

## MULLION FRAME FOR OVERSIZED WALL OPENINGS



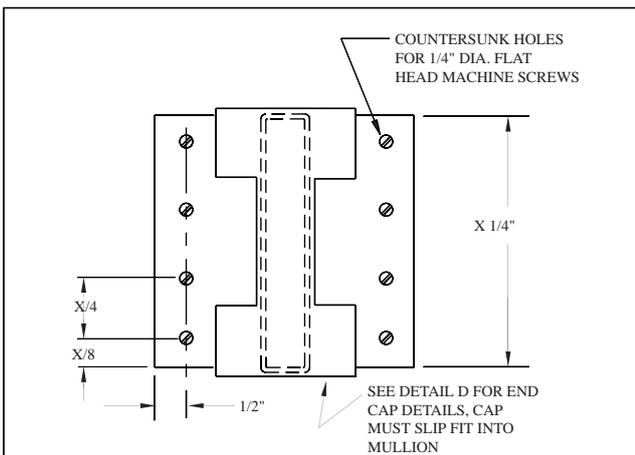
**DETAIL C**

The end caps are attached by means of 1" long x 3/8" dia. steel expansion anchors embedded into the opening with 1/4" dia. flat head machine screws, eighth per end cap. If a steel lintel is used, four 1" long welds per end cap (two per leg) may be used.



**DETAIL D**

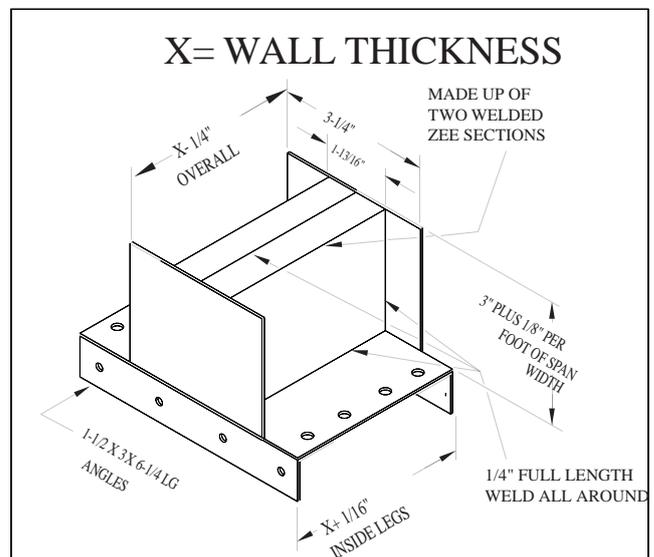
Top, bottom or side end caps  
12 GA galvanized steel



**DETAIL E**

**END CAP INSERTED INTO MULLION**

All horizontal and vertical mullion tubes must be terminated with an end cap. These end caps may not be fastened to the mullion tube and must slide freely inside the mullion tube.



**DETAIL F**

Horizontal to vertical end cap 12 ga. galvanized steel  
Attach the horizontal mullion end caps to the vertical mullion tube by means of (12) 3/16" dia. blind rivets or by 1/8" full length weld.



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