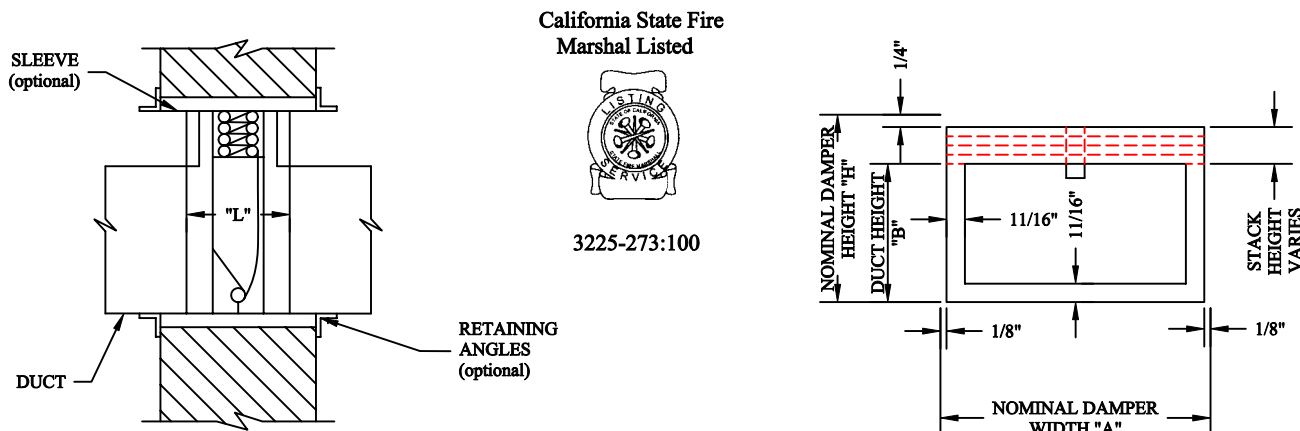


# Model D Series 255 Dynamic Fire Damper

## Vertical Mount (Horizontal Air Flow) - Type B



### 3 HR. RATED

#### Model: D-255

1. Frame is rollformed 22 ga. galvanized steel.
2. Blades are rollformed 22 ga. galvanized steel.
3. Frame: 5" "L" dimension, galvanized steel.
4. Wall or partition opening should exceed nominal sleeve dimension by 1/8" for each linear foot of width and height.
5. Fusible Link: 165°F standard, other UL listed links optional.
6. Operated by 2 Stainless Steel constant tension springs.
7. Maximum Size: 36"w x 32.5"h single section.

255-B

Duct Height "B"	Nominal Damper Height "H"
4-14	B + 2
15-19	B + 2.5
20-27	B + 3
28-32.5	B + 3.5

Nominal damper width is same as duct.

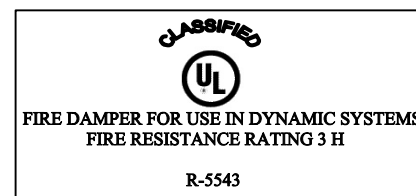
#### Notes:

For proper operation all dampers must be installed square and free from racking. Model D- 255 is for mounting in a vertical position for horizontal air flow. It is for the protection of penetrations, in fire partitions, or fire walls, whether these penetrations are for ductwork or wall openings without ductwork.

Type "B" damper is for use with low velocity rectangular duct where it is desirable to keep the blade stack out of the air stream. When the damper is open, the stack of blades is entirely contained within an enclosure above the duct but the damper sleeve width is the same as the duct width.

Model D-255 Fire Dampers are listed by Underwriters' Laboratories, Inc. for 3 hour rating. The dampers meet the requirements of NFPA 90A, U.L. Standard 555, comply with NFPA Bulletin 80, and meet or exceed California State Fire Marshal's Requirements.

A dynamic system is one in which the fan/system does not shut down during a fire alarm for smoke removal.



JOB: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_ JOB NO.: \_\_\_\_\_  
 ENGINEER: \_\_\_\_\_ REPRESENTATIVE: \_\_\_\_\_  
 CONTRACTOR: \_\_\_\_\_ DATE: \_\_\_\_\_



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Approval: \_\_\_\_\_