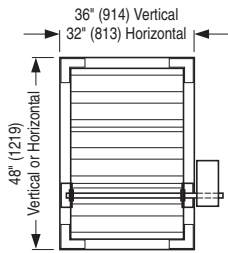
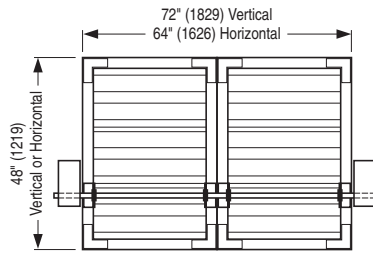
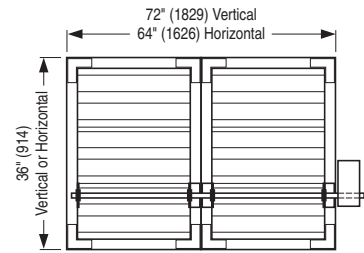


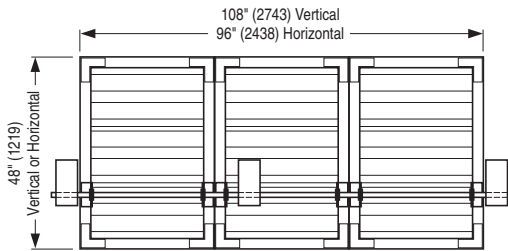
Sizes shown are maximum dimensions for section/actuator configurations as shown in the following figures. Available actuators for each particular configuration are listed below figure number. Multiple section assemblies are made up from equal size sections. All damper/actuator assemblies shown herein have been tested to UL 555S at 250°F (121°C) elevated temperature rating and 2000 fpm @ 4" w.g. Higher ratings are available with reduced actuator selection. External mounting of actuators is recommended whenever possible as internally mounted actuators increase pressure drop, especially on smaller sizes.


FIGURE 1X1

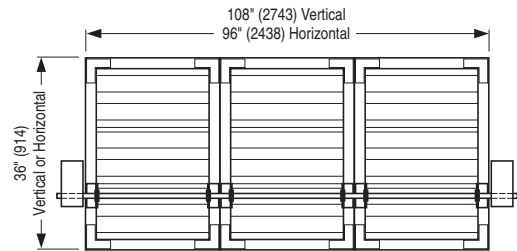
 MS-4X09/MS-8X09, MS-4120/MS-8120,
 FSNF120/FSNF24 & GGD221/GGD121

FIGURE 2X1A

 MS-4X09/MS-8X09, MS-4120/MS-8120,
 FSNF120/FSNF24 & GGD221/GGD121

FIGURE 2X1B

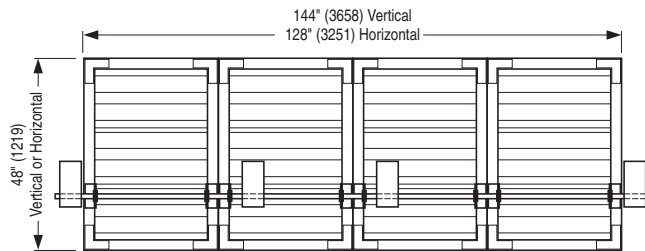
MS-4120/MS-8120


FIGURE 3X1A

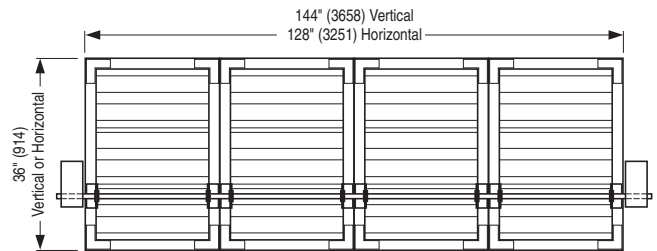
MS-4120/MS-8120, FSNF120/FSNF24 & GGD221/GGD121


FIGURE 3X1B

MS-4120/MS-8120


FIGURE 4X1A

MS-4120/MS-8120, FSNF120/FSNF24 & GGD221/GGD121


FIGURE 4X1B

MS-4120/MS-8120

SCHEDULE TYPE:
PROJECT:
ENGINEER:
CONTRACTOR:

 Page 1 of 2
 Dimensions are in inches (mm).

DATE
B SERIES
SUPERSEDES
DRAWING NO.

11 - 16 - 04

1220

NEW

MSC-1220

**MULTIPLE SECTION CONFIGURATIONS AND
ELECTRIC ACTUATOR LOCATIONS
FOR COMBINATION FIRE/SMOKE DAMPERS
MODEL SERIES: 1220**

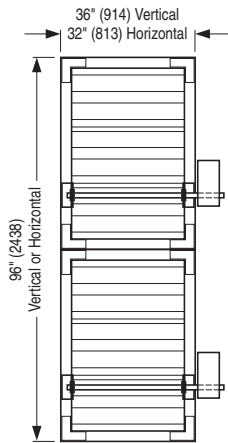


FIGURE 1X2
MS-4X09/MS-8X09, MS-4120/MS-8120,
FSNF120/FSNF24 & GGD221/GGD121

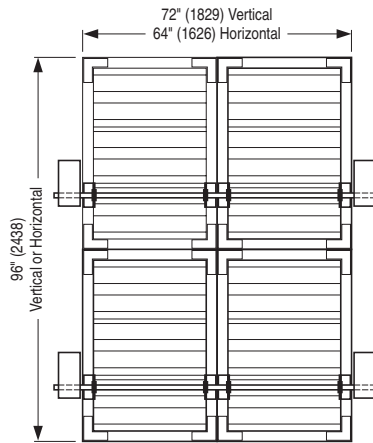


FIGURE 2X2A
MS-4X09/MS-8X09, MS-4120/MS-8120,
FSNF120/FSNF24 & GGD221/GGD121

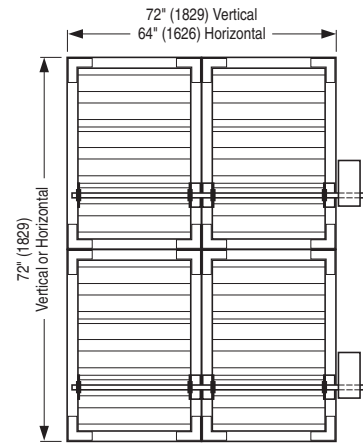


FIGURE 2X2B
MS-4120/MS-8120

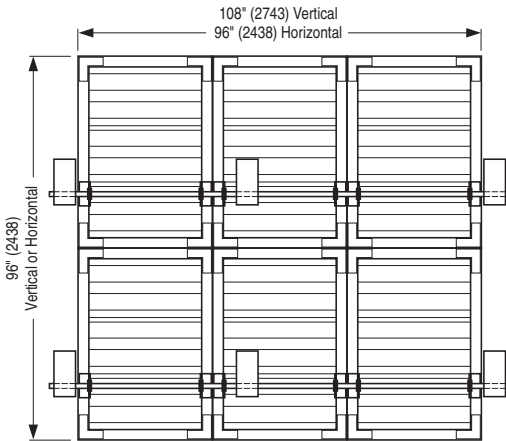


FIGURE 3X2A
MS-4120/MS-8120, FSNF120/FSNF24 & GGD221/GGD121

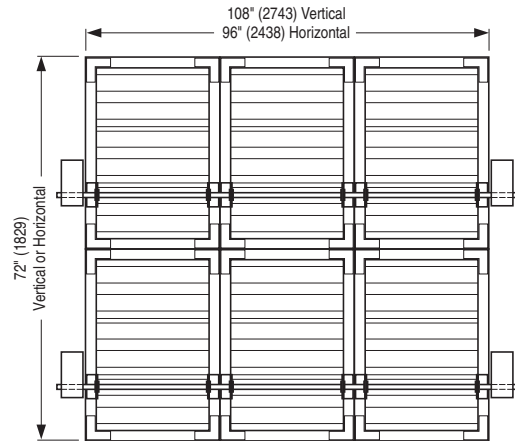


FIGURE 3X2B
MS-4120/MS-8120

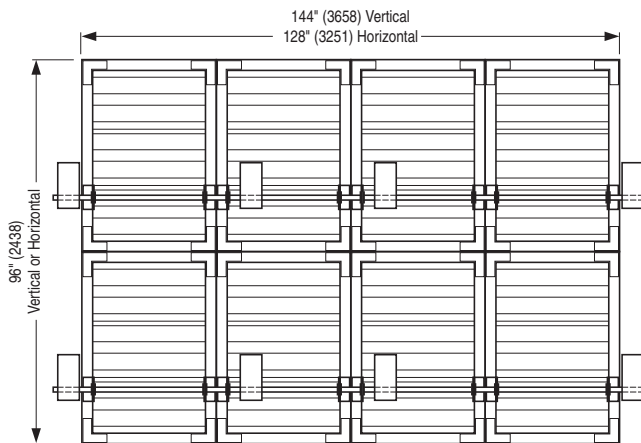


FIGURE 4X2A
MS-4120/MS-8120, FSNF120/FSNF24 & GGD221/GGD121

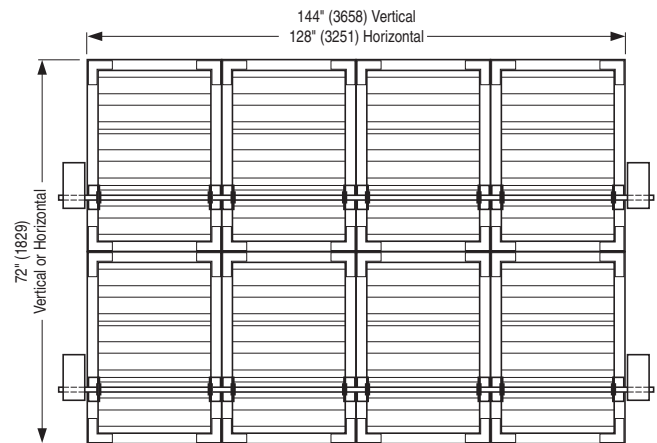


FIGURE 4X2B
MS-4120/MS-8120

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Page 2 of 2
Dimensions are in inches (mm).

DATE

B SERIES

SUPERSEDES

DRAWING NO.

11 - 16 - 04

1220

NEW

MSC-1220