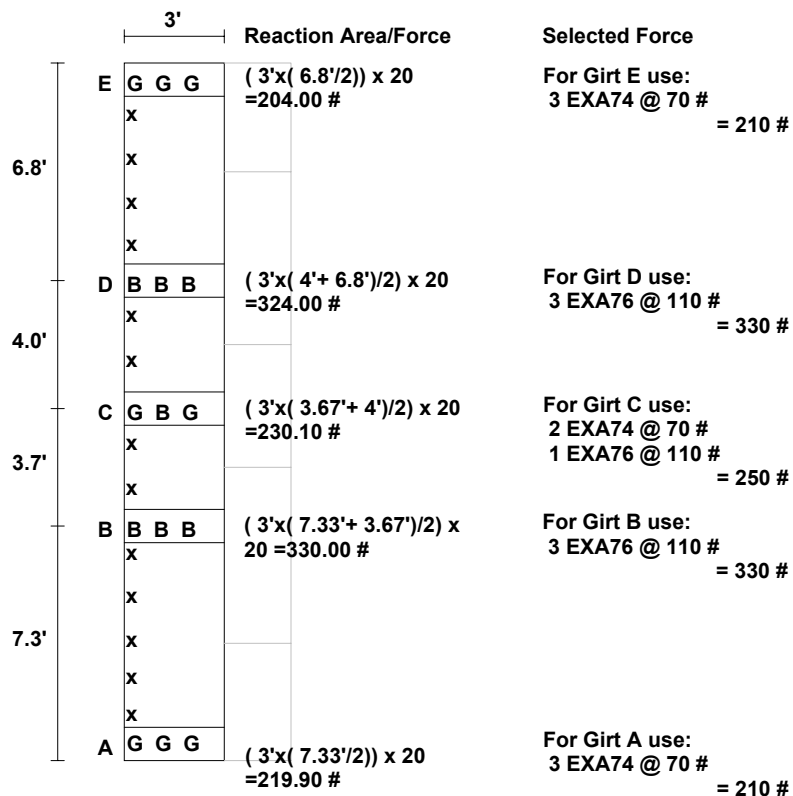


Example Only- Do not use this fastening detail for explosion venting job. Contact us so that we can determine the correct fastener layout for your job.



Total Force = 1330. #
Vent Area = 3 x 21.8 = 65.4 sq.ft.
Pressure Release Value = 20.3psf

Installation Instructions

1. Drill a #8 hole through the panel, insulation and girt. Enlarge the hole through the panel and insulation to 1/2" diameter. The 1/2" hole must be concentric about the hole in the girt.
2. When fastening through two panels at the girt, enlarge the hole through both panels to 1/2" diameter.
3. Blanket insulation must be pre-compressed at each girt prior to installing explosion venting fasteners. In some cases with low pressure release values, it may be necessary to cut away insulation and use rigid insulation if possible.
4. Assemble a 1/2" x 1/2" rubber centering grommet to underside of explosion venting fastener(or place inside 1/2" hole) to prevent panel sag.
5. For stitch fasteners, drill 5/32" diameter hole through both panels. Enlarge the hole through the top panel to 1/2" diameter. Do not penetrate the girt.
6. Assemble a .480" x 18 gage centering washer to underside of stitch fastener(or place inside 1/2" hole) to prevent panel sag.

Use the following drill chart when the #14 screw is tapping into different gages/thickness of steel. Always enlarge top hole to 1/2" diameter. Use a type B fastener with designated washer for steel thicker than 14 gage.

Steel Thickness	Hole Size
16 gage	#10
14 gage	#8
1/8"	#4
3/16" to 1/2"	#1
>1/2"	Ltr A

-Legend-

G--#14 x 1-1/2 ss type B with EXA74 70 # Green
B--#14 x 1-1/2 ss type B with EXA76 110 # Blue
x--#14 x 3/4 ss type A with EXA74 70 # Green (stitch fastener)

This drawing is submitted for your approval as the suggested fastener arrangement for your explosion venting panel. The drawing is based upon limited design criteria furnished to us by you and should be reviewed and approved by design engineers who have full disclosure on matters concerning this building.

Explosion Venting Fastener Layout Typical Panel

Job Name

Customer Name

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