

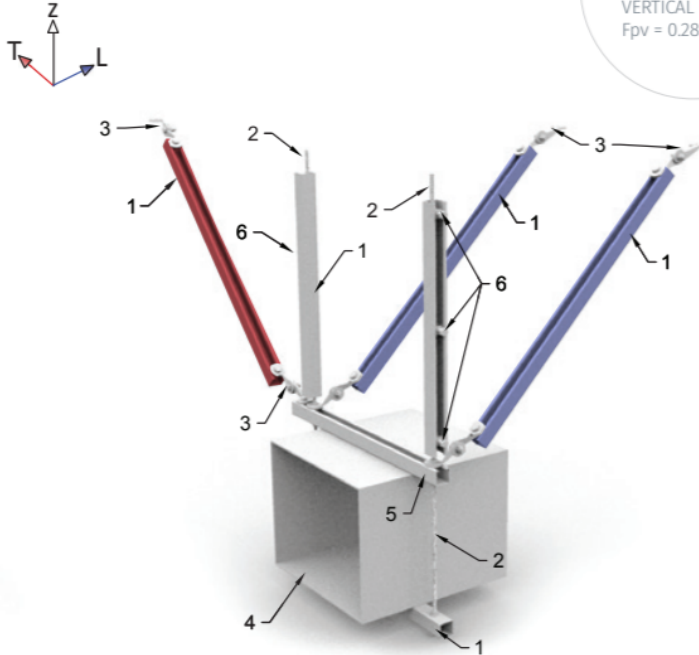


G-STRUT 4100 13th Street SW, Canton OH 44710

Phone: 866.997.8788 – Fax: 330.477.0626

www.gregorystrut.com

SINGLE DUCT WITH TRANSVERSE AND LONGITUDINAL BRACE



SEISMIC CRITERIA
 $a_p = 2 \frac{1}{2}$ $R_p = 6$

VERTICAL FORCE
 $F_{pv} = 0.280 \text{ g (ASD)}$

MATERIALS LIST

- 1 G582 Strut (QTY 7)
- 2 1/2" ϕ All Thread (QTY 2)
- 3 Seismic Hinges (QTY 6)
- 4 24" x 48" Max Duct (QTY -)
- 5 GN822 (QTY 4)
- 6 GRS375062 (QTY 6)

| ☰ | WEIGHT (TOTAL PER FT.) | HANGER DIA. AND SPACING | SEISMIC PARAMETERS | BRACE SPACING (FT.) | | | | |
|--------------------------|------------------------|-------------------------|--------------------|---------------------|---------------------|---------------------------|---------------------|-------|
| | | | | $S_{DS} \leq 1.00$ | | $1.00 < S_{DS} \leq 2.00$ | | |
| | | | | TRANS. SPACING (T) | LONGIT. SPACING (L) | TRANS. SPACING (T) | LONGIT. SPACING (L) | |
| IMPORTANCE FACTOR, I_p | $I_p = 1.00$ | 25 plf | 1/2" ϕ | $z/h \leq 0.5$ | 56'0" | 56'0" | 28'0" | 56'0" |
| | | | 14'0" | $z/h \leq 1.0$ | 56'0" | 56'0" | 28'0" | 56'0" |
| | 50 plf | 1/2" ϕ | $z/h \leq 0.5$ | 36'0" | 48'0" | 24'0" | 48'0" | |
| | | 12'0" | $z/h \leq 1.0$ | 36'0" | 48'0" | 24'0" | 48'0" | |
| $I_p = 1.50$ | 25 plf | 1/2" ϕ | $z/h \leq 0.5$ | 60'0" | 60'0" | 36'0" | 36'0" | |
| | | 12'0" | $z/h \leq 1.0$ | 60'0" | 60'0" | 24'0" | 36'0" | |
| | 50 plf | 1/2" ϕ | $z/h \leq 0.5$ | 40'0" | 50'0" | 10'0" | 30'0" | |
| | | 10'0" | $z/h \leq 1.0$ | 30'0" | 50'0" | 10'0" | 30'0" | |

| PROJECT INFORMATION | APPROVAL STAMP |
|--------------------------------------------------------------------------------------------------------------------|----------------|
| Project: | Notes: |
| Address: | |
| Contractor: | |
| Engineer: | |
| Date: | |
| Approved <input type="checkbox"/> Approved as Noted <input type="checkbox"/> Not Approved <input type="checkbox"/> | |