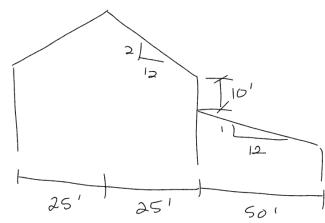
Design Loads Snow Loads Example 2

Given the following building and conditions find the drift surcharge load and width for wind going to the right and wind going to the left:



RISK CAT = TT SURFACE (AT = B ST. ANTHONY, ID (SAME AS EXAMPLEHI)

LEEWARD DRIPT

FIG. 7.6-1
$$\rightarrow$$
 hd = 0.432 My 197+10 -1.5
= 0.433 50 \$\frac{1}{37+10} -1.5}
= 2.6 Pt
0.6 (10WER ROOF) = 0.6 (50) = 30 Pt > 2.6 : hd = 2.6 Pt
hd < hc : W = 4hd
= 4(2.6 Pc)
= 10.6 Ft
Pd = hd8 = 2.6 Pt (18.8 pcf) = 49.8 psf
Pd = 49.8 psf WIDTH = 10.6 Pt

10.6ft

USE FIGURE 7-6-1

ha = 0.43
$$\sqrt[3]{50}$$
 $\sqrt[3]{37+10}$ -1.5 = 2.6 ft
PRIFI HT = $\frac{3}{4}$ hd = $\frac{3}{4}$ (2.6 ft) = 2.0 ft
hd < hc : W= 4hd = 4(2.0 ft) = 8 ft
Pd = hd × = 2.0 ft (18.8 pcf) = 37.6 psf

