

ASE 7-10 MWFRS

Chap 28

Part 2

Tb128.5-1

#1 Risk Category, Tb1 1.5-1 Cat II

#2 Basic Wind Speed, internet 136 mph

#3 Wind load parameters

Section 26.7

Surface Roughness B
Exposure B

#4 Fig 28.6-1 P_{s30}

Roof Angle = 17°

$h = \text{mean roof height} = 9'-6"$

Load Case #1

Interpolated values

Horizontal Pressures				Vertical Pressures				Overhang	
A	B	C	D	E	F	G	H	E _{OH}	G _{OH}
37.3	-11.3	24.8	-6.4	-34.2	-23.0	-23.8	-17.5	-48.0	-37.5

#5 Adjustment factor Mean roof height $< 15'$
with Exp. B ; $\lambda = 1$

#6 Determine Wind Pressure $P_s = \lambda K_{zt} P_{s30}$

~~Tb1~~ Sect. ~~26.8.2~~ $K_{zt} = 1$

$P_s = (1)(1) P_{s30}$ Therefore P_{s30} above remain.