A-3

Total Bldg
44,940 s.f.

Type Const III A 14,000 s.f. III B 9,500 s.f.

506.2 $A_g = [A_t + (A_t \times I_f)] + [A_t \times I_s]$

A_t = 14,000 sf. of 9,500 s.f.

$I_f = [F/P - 0.25]$ W/30

F = Frontage on Public Way = 178.3' + 252' = 430.3'

P = Perimeter = (178.3' x 2) + (252 x 2) = 860.6'

506.2 ~~[(430.3' ÷ 860.6') - 0.25] x (~~

[(178.3' ÷ 860.6') - 0.25] x (75' ÷ 30) = 2.46

+ [(252 ÷ 860.6) - 0.25] x (40' ÷ 30) = 1.38

3.84

506.3 $I_s = 3$

$[A_t + (A_t \times I_f)] + [A_t \times I_s]$

506.2 [9,500 s.f. + (9,500 s.f. x 3.84)] + (9,500 x 3) = 74,480 s.f.

or

[14,000 + (14,000 x 3.84)] + (14,000 x 3) = 109,760 s.f.