

FORMULA: $A^2 + B^2 = C^2$

$A^2 + (24.67' + W' + L')^2 = 95^2$ ["C" WILL ALWAYS BE 95']

$A^2 = 95^2 - (24.67' + W' + L')^2$ [24.67' = 18'+6'+0.67']

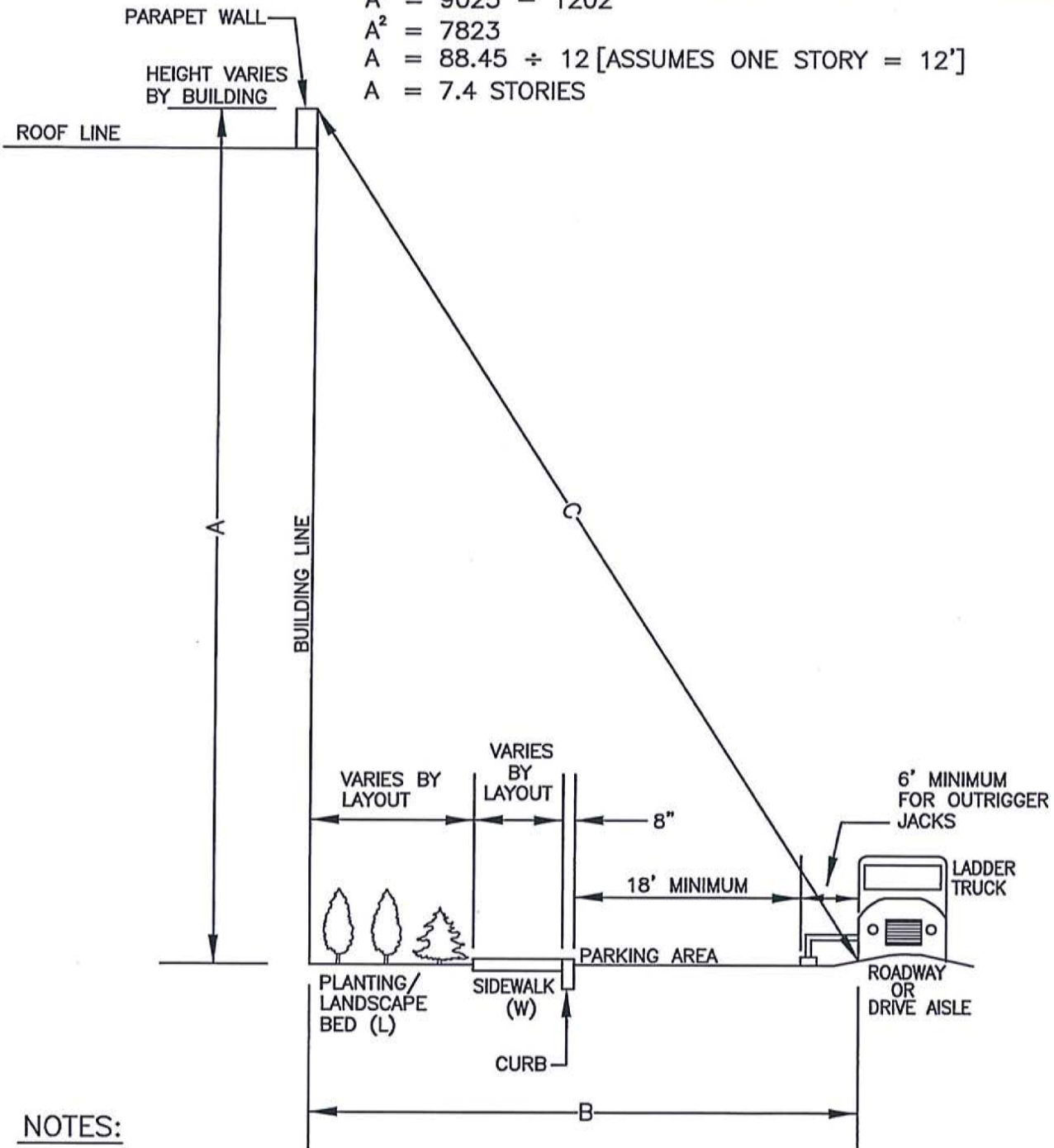
$A^2 = 9025 - (34.67)^2$ [ASSUMES W=5', L=5' AND THE PARKING STALL DEPTH=18' ACTUAL NUMBERS MAY VARY]

$A^2 = 9025 - 1202$

$A^2 = 7823$

$A = 88.45 \div 12$ [ASSUMES ONE STORY = 12']

$A = 7.4$ STORIES



NOTES:

1. FIRE HYDRANTS SHALL BE LOCATED A MAXIMUM OF ONE HUNDRED FEET (100') FROM THE FDC AT THE BUILDING.
2. ALSO USE THIS EXAMPLE WHEN THE LADDER TRUCK MUST REACH ACROSS A RAIL SPUR TO ACCESS THE BUILDING.

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Checked By: CSP	Project No. 161-G	Drawing No. 17-135
Drawn By: WJS	Scale: NTS	
Reviewed By:	Date: 10/17/17	Sheet No. 1 OF 1
EXAMPLE FIRE TRUCK LADDER REACH		