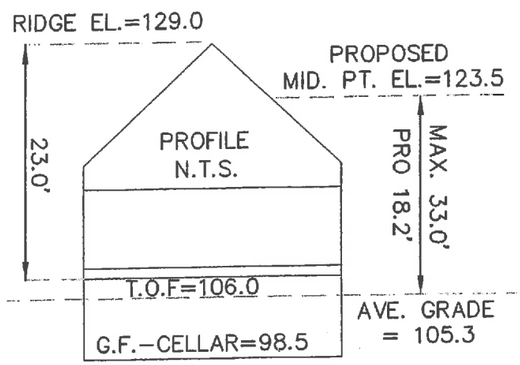
PROPOSED BUILDING HEIGHTS

N.T.S.

LOT "B-1"

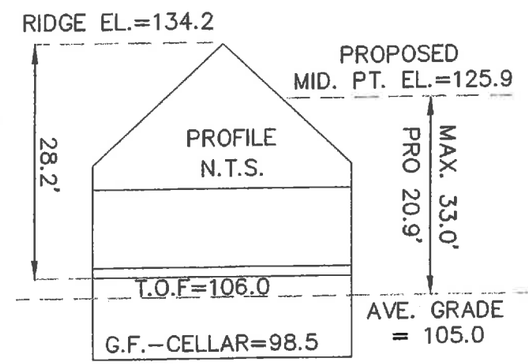


AVE. GRADE PRE CONSTRUCTION

105.0
104.8
105.5
105.8
421.1/4=105.3

COVERAGE LOT B-1:
30% OF 5,000 SF = 1,500 SF
PRO. HOUSE/PORCH = 1,472±S.F. OR 29.4%
DRIVEWAY = 350±SF OR 7.0%
OPEN SPACE = 3,178±SF OR 63.6%

LOT "B-2"

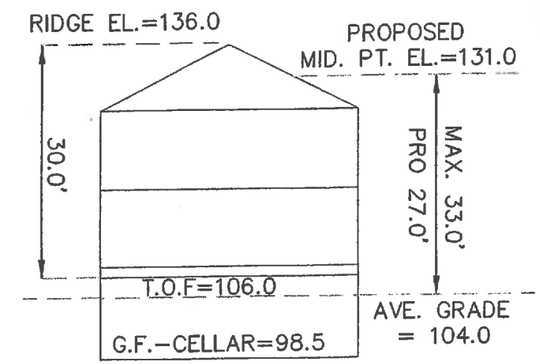


AVE. GRADE PRE CONSTRUCTION

105.0
105.0
105.0
105.0
420.0/4=105.0

COVERAGE LOT B-2:
25% OF 4,957 SF = 1,239 SF
PRO. HOUSE = 1,215±S.F. OR 24.5%
DRIVEWAY = 270±SF OR 5.5%
OPEN SPACE = 3,472±SF OR 70.0%

LOT "B-3"



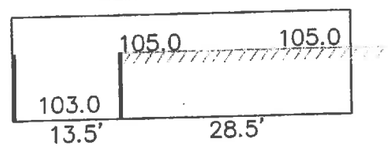
AVE. GRADE PRE CONSTRUCTION

105.0
103.4
102.8
105.0
416.2/4=104.0

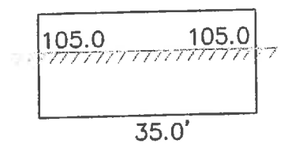
COVERAGE LOT B-3:
25% OF 4,957 SF = 1,239 SF
PRO. HOUSE/PORCH = 1,220±S.F. OR 24.6%
DRIVEWAY = 252±SF OR 5.1%
OPEN SPACE = 3,485±SF OR 70.3%

AVERAGE GRADE CALCULATIONS
AROUND FOUNDATION FOR CELLAR HEIGHT
LOT "B-1"

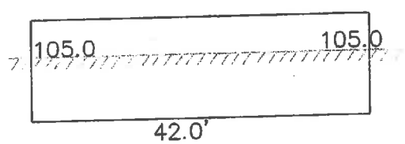
ELEVATION 1a & 1b



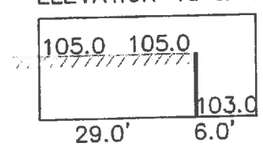
ELEVATION 2



ELEVATION 3

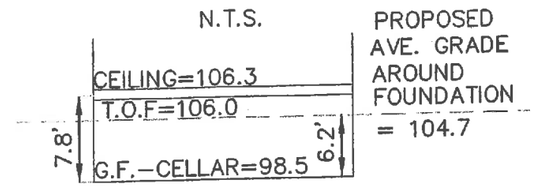


ELEVATION 4a & 4b



PROFILE

N.T.S.



CELLAR IS BELOW THE AVERAGE GRADE (6.2/ 7.8 = 0.79) BY 79%

$$\left(\frac{103.0 + 103.0}{2} \times 13.5\right)_{1a} + \left(\frac{105.0 + 105.0}{2} \times 28.5\right)_{1b} + \left(\frac{105.0 + 105.0}{2} \times 35\right)_{2} + \left(\frac{105.0 + 105.0}{2} \times 42\right)_{3} +$$

$$\left(\frac{105.0 + 105.0}{2} \times 29\right)_{4a} + \left(\frac{103.0 + 103.0}{2} \times 6\right)_{4b}$$

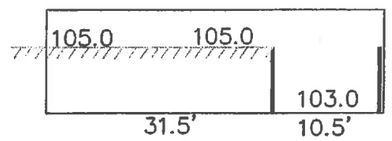
$$\underset{1a}{1{,}390.5} + \underset{1b}{2{,}992.5} + \underset{2}{3{,}675.0} + \underset{3}{4{,}410.0} + \underset{4a}{3{,}045.0} + \underset{4b}{618.0} = 16{,}131.0$$

PERIMETER = 154.0'

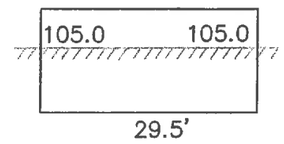
$$\frac{16{,}131.0}{154} = 104.7$$ AVERAGE GRADE AROUND FOUNDATION

AVERAGE GRADE CALCULATIONS
AROUND FOUNDATION FOR CELLAR HEIGHT
LOT "B-2"

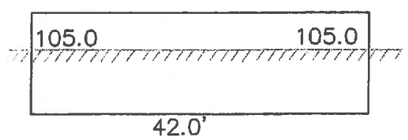
ELEVATION 1a & 1b



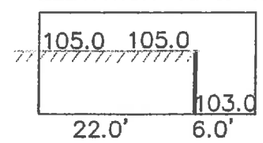
ELEVATION 2



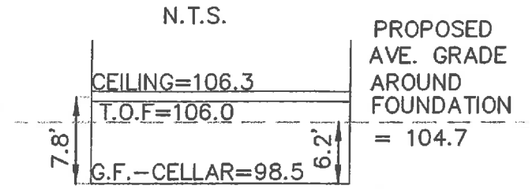
ELEVATION 3



ELEVATION 4a & 4b



PROFILE
N.T.S.



CELLAR IS BELOW THE AVERAGE GRADE (6.2/ 7.8 = 0.79) BY 79%

$$\left(\frac{105.0 + 105.0}{2} \times 31.5\right)_{1a} + \left(\frac{103.0 + 103.0}{2} \times 10.5\right)_{1b} + \left(\frac{105.0 + 105.0}{2} \times 29.5\right)_{2} + \left(\frac{105.0 + 105.0}{2} \times 42\right)_{3} +$$

$$\left(\frac{105.0 + 105.0}{2} \times 22\right)_{4a} + \left(\frac{103.0 + 103.0}{2} \times 6\right)_{4b}$$

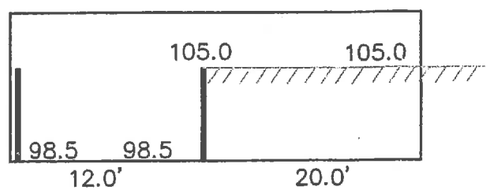
$$\underset{1a}{3{,}307.5} + \underset{1b}{1{,}081.5} + \underset{2}{3{,}097.5} + \underset{3}{4{,}410.0} + \underset{4a}{2{,}310.0} + \underset{4b}{618.0} = 16{,}131.0$$

PERIMETER = 141.5'

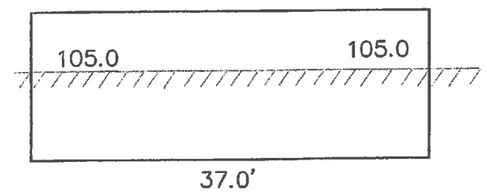
$$\frac{14{,}824.5}{141.5} = 104.7$$ AVERAGE GRADE AROUND FOUNDATION

AVERAGE GRADE CALCULATIONS
AROUND FOUNDATION FOR CELLAR HEIGHT
LOT "B-3"

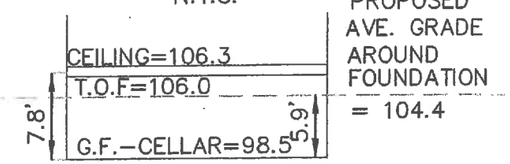
ELEVATION 1a & 1b



ELEVATION 2

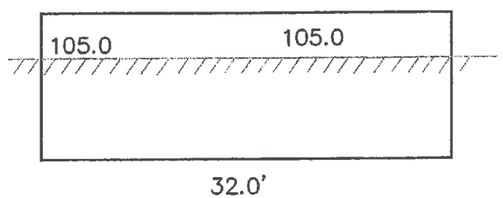


PROFILE
N.T.S.

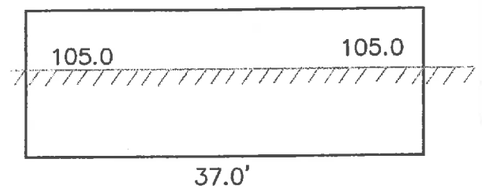


CELLAR IS BELOW THE AVERAGE GRADE (5.9/ 7.8 = 0.75) BY 75%

ELEVATION 3



ELEVATION 4



$$\overset{(1a)}{\left(\frac{95.5 + 98.5}{2} \times 12\right)} + \overset{(1b)}{\left(\frac{105.0 + 105.0}{2} \times 20\right)} + \overset{(2)}{\left(\frac{105.0 + 105.0}{2} \times 37\right)} + \overset{(3)}{\left(\frac{105.0 + 105.0}{2} \times 32\right)} + \overset{(4)}{\left(\frac{105.0 + 105.0}{2} \times 37\right)}$$

$$\overset{(1a)}{1{,}182.0} + \overset{(1b)}{2{,}100.0} + \overset{(2)}{3{,}885.0} + \overset{(3)}{3{,}360.0} + \overset{(4)}{3{,}885.0} = 14{,}412.0$$

PERIMETER = 140.0'

$$\frac{14{,}412.0}{138} = 104.4$$ AVERAGE GRADE AROUND FOUNDATION