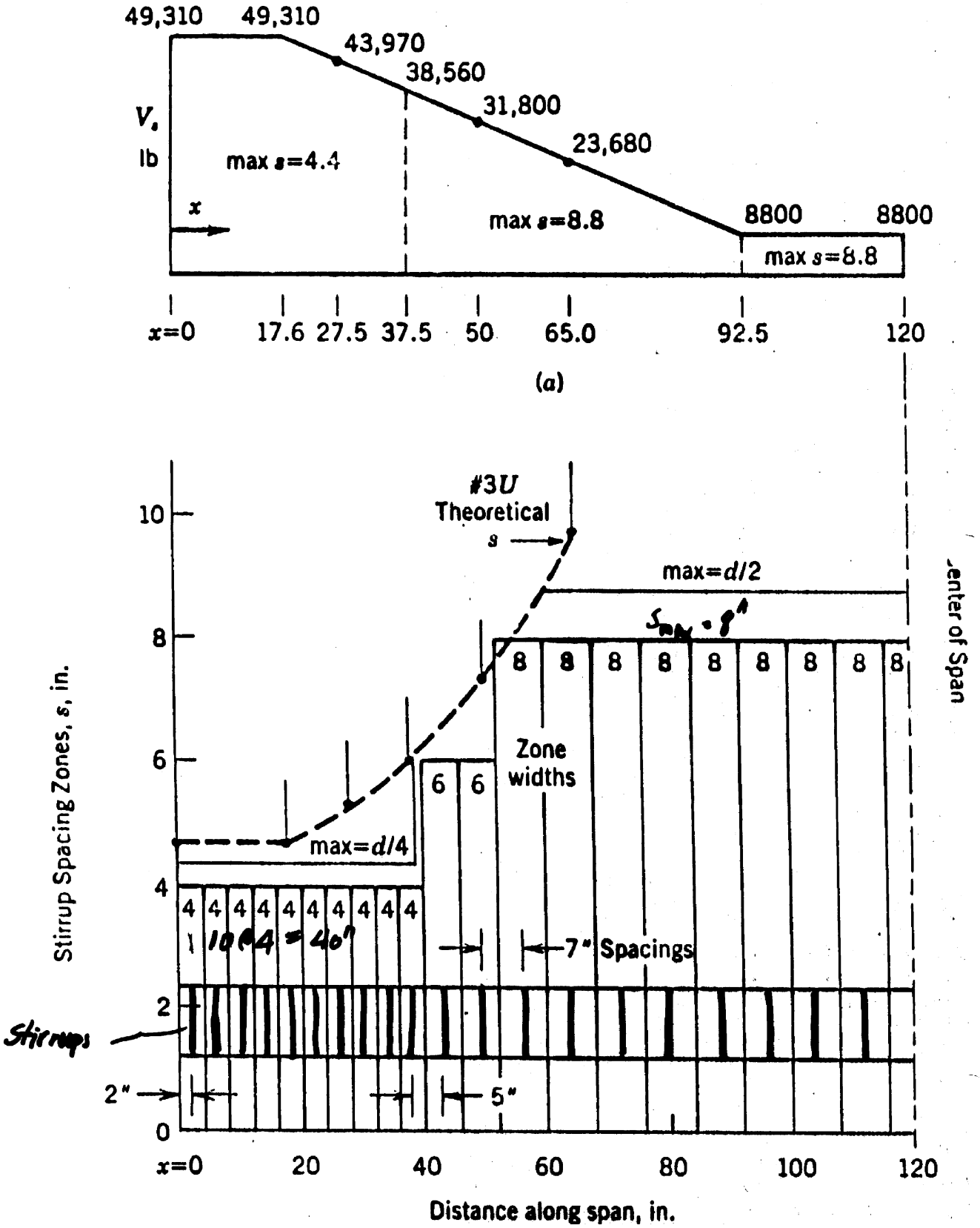
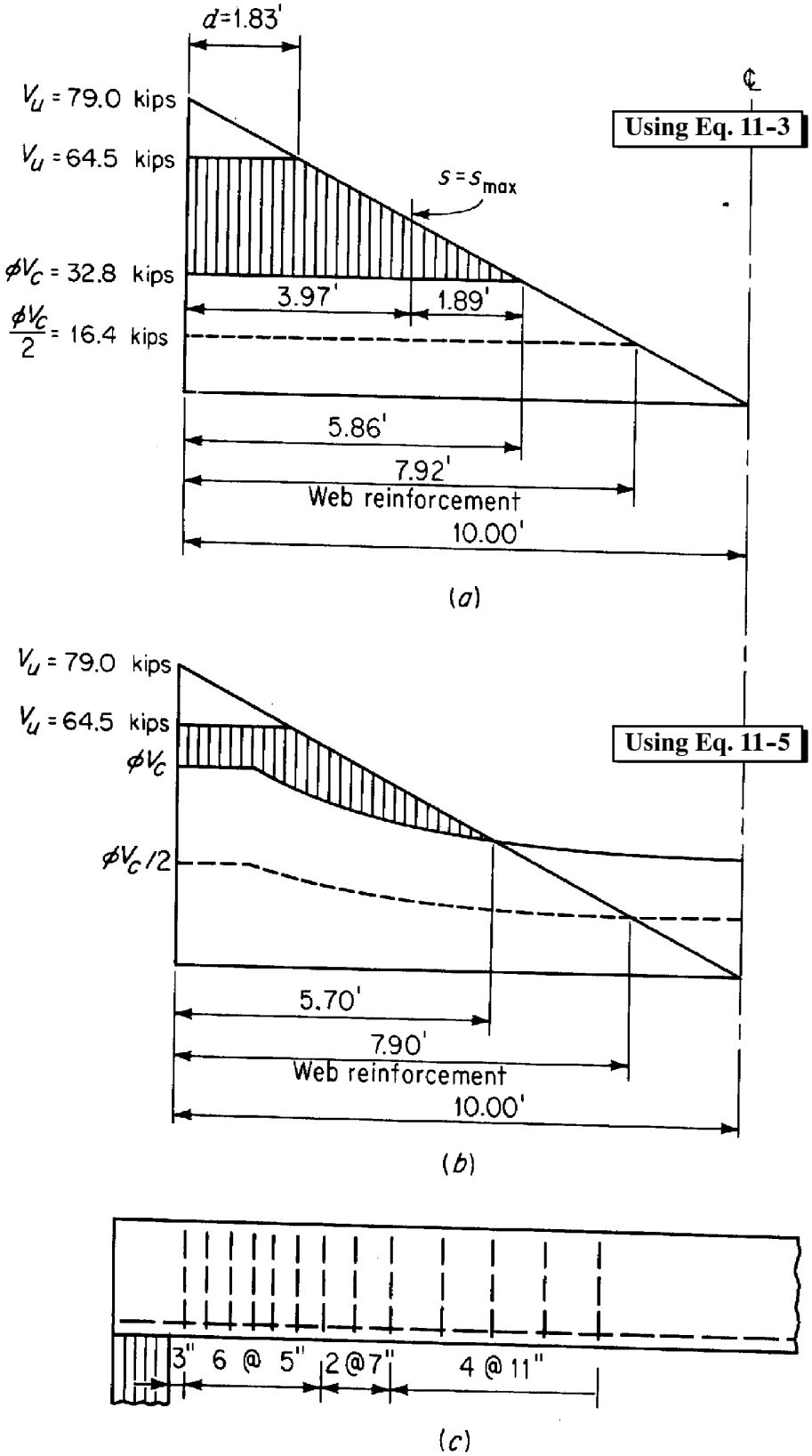

49,310
49,310
43,970
38,560
31,800
23,680
8800
8800
$V_s$
lb
max s=4.4
max s=8.8
max s=8.8
x
x=0
17.6
27.5
37.5
50
65.0
92.5
120
(a)
#3U
Theoretical
s
max=d/2
max=d/4
Zone
widths
7" Spacings
Stirrup Spacing Zones, s, in.
Distance along span, in.
Stirrups
2"
5"
x=0
20
40
60
80
100
120


d=1.83'
$V_u$ = 79.0 kips
$V_u$ = 64.5 kips
$\phi V_c$ = 32.8 kips
$\frac{\phi V_c}{2}$ = 16.4 kips
s = $s_{max}$
Using Eq. 11-3
3.97'
1.89'
5.86'
7.92'
Web reinforcement
10.00'
(a)
$V_u$ = 79.0 kips
$V_u$ = 64.5 kips
$\phi V_c$
$\phi V_c/2$
Using Eq. 11-5
5.70'
7.90'
Web reinforcement
10.00'
(b)
3" 6 @ 5" 2@7" 4 @ 11"
(c)