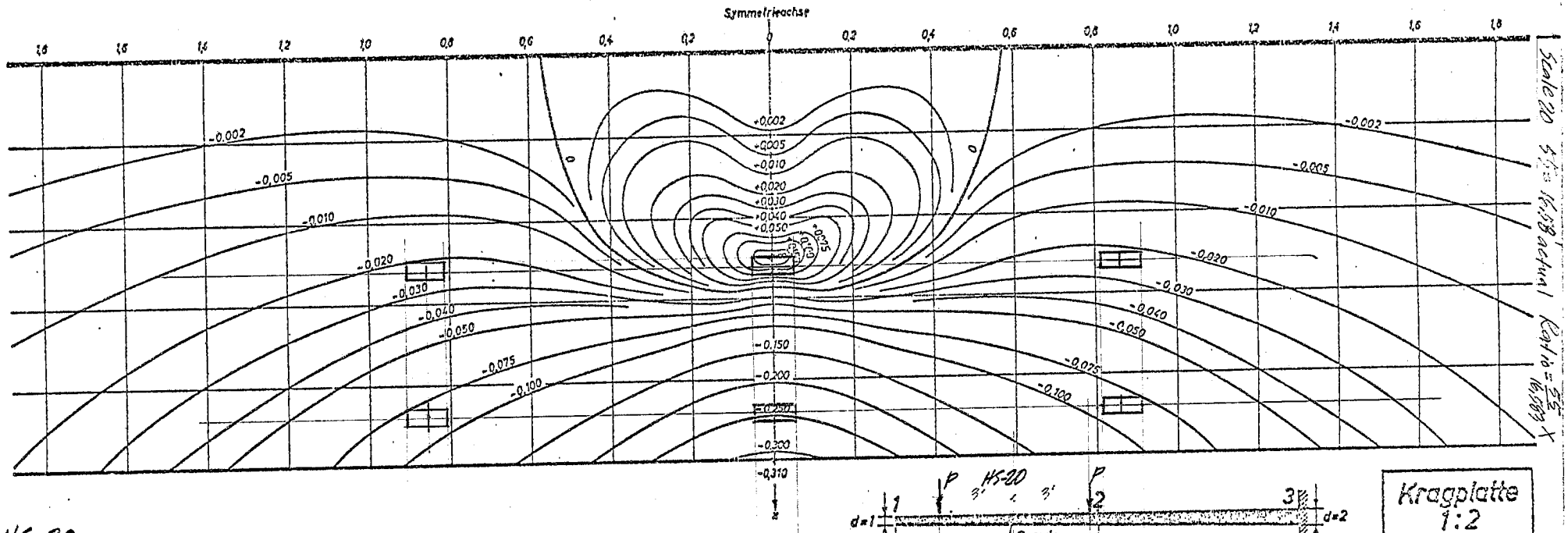
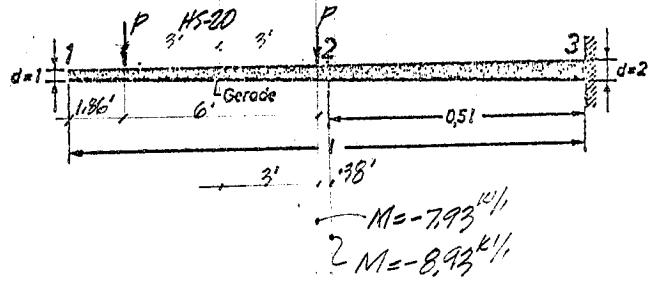




Kragplatte
1:2
$m_{2,x}$

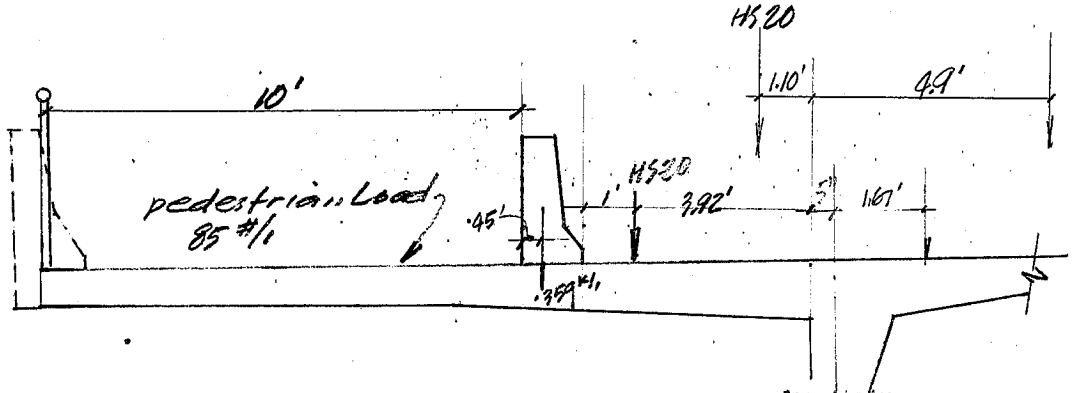
HS-20

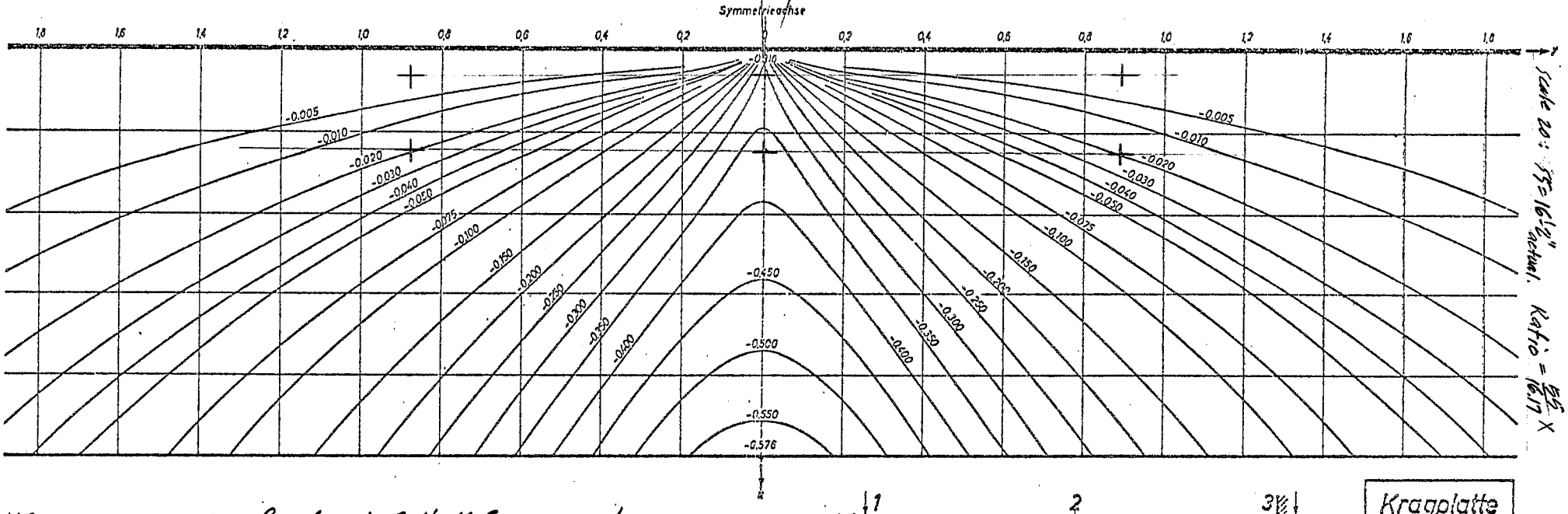
$M_{2,x} = (P+I)\,coef$

$= 16^k(1.3)[.245+0+1.25(.085+.024)] = 7.93\ ^{k'}/_{ft}$

Moment @ 10" thick slab section

$M = M_{2,x}\left(\frac{3.38'}{3'}\right) = 8.93\ ^{k'}$





HS-20 one Line of wheel @ 1'-0" from curb

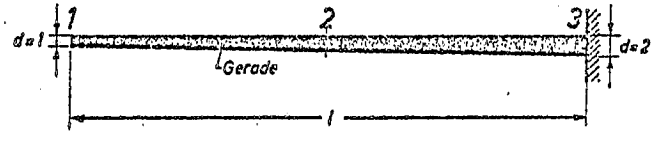
$M = 16^K(1.3)[.36 + 1.25(.02)] = 8.01^{K'}$

equiv. $p = \frac{8.01^{K'}}{3.92'} = 2.04^K$

HS-20 1.10' from face of ext. wall

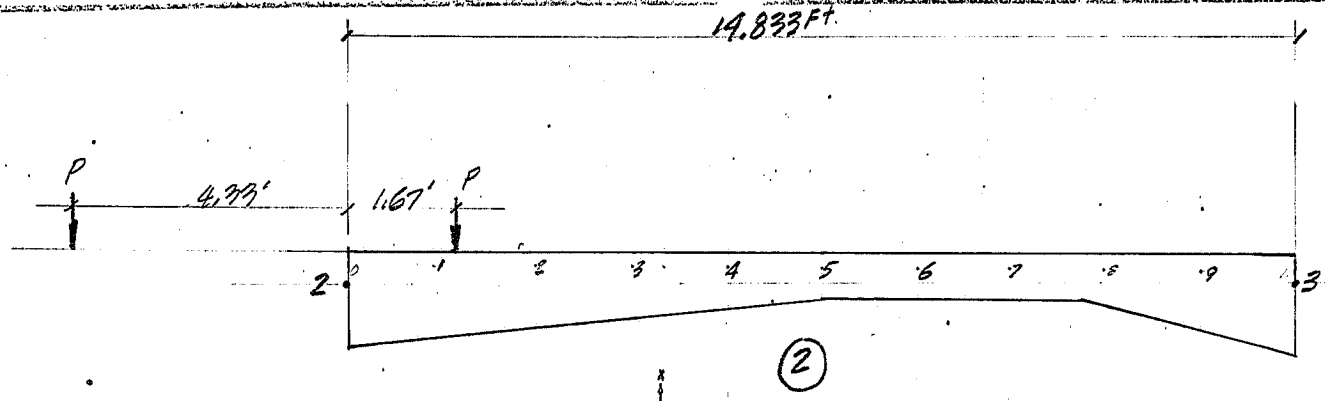
$M = 16(1.3) \cdot .318 = 6.614^{K'}$

equiv. $p = \frac{6.614^K}{1.1} = 6.01^K$

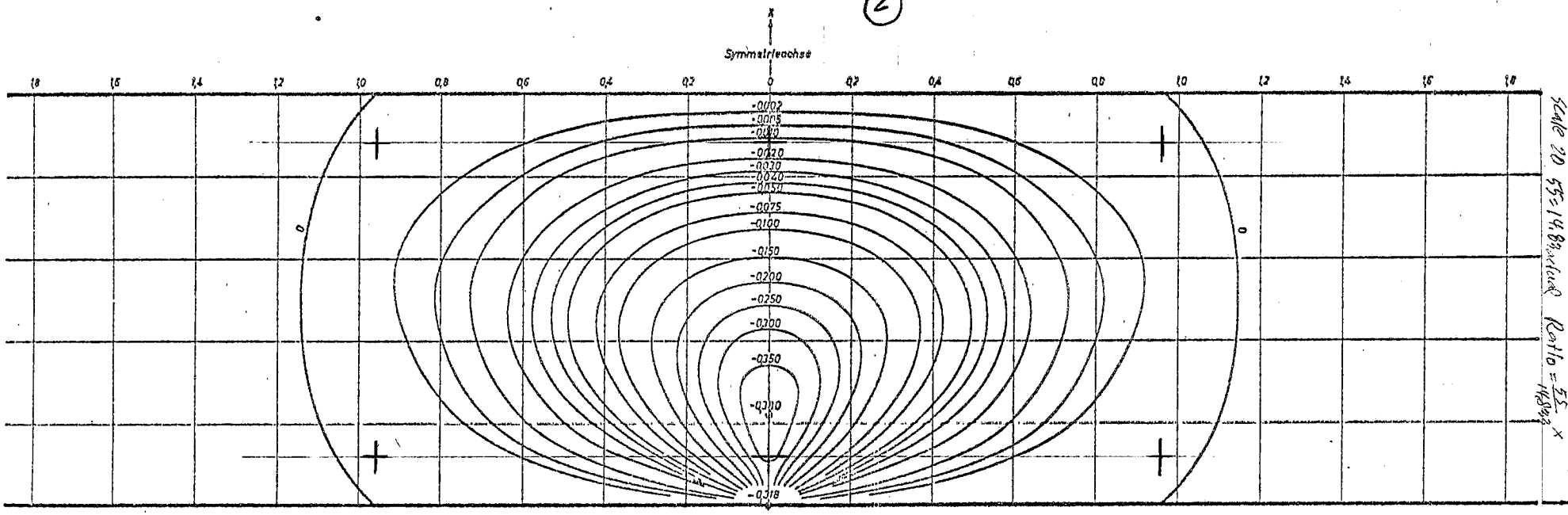


Kragplatte
1:2
$m_{3,x}$

33003352



(2)



Scale 20 55=14.83 actual Ratio = $\frac{55}{14.833}$ x

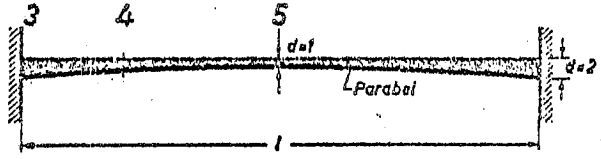
HS-20.

$M_2 = 16^K(1.3)[.355 + 1.25(.0006)] = 7.40^{K'}$

$7.40^{K'} = 1.48P$ $\quad P = 5^K$

$M_3 = 16^K(1.3)[.012 + 1.25(.0006)] = .265^{K'}$

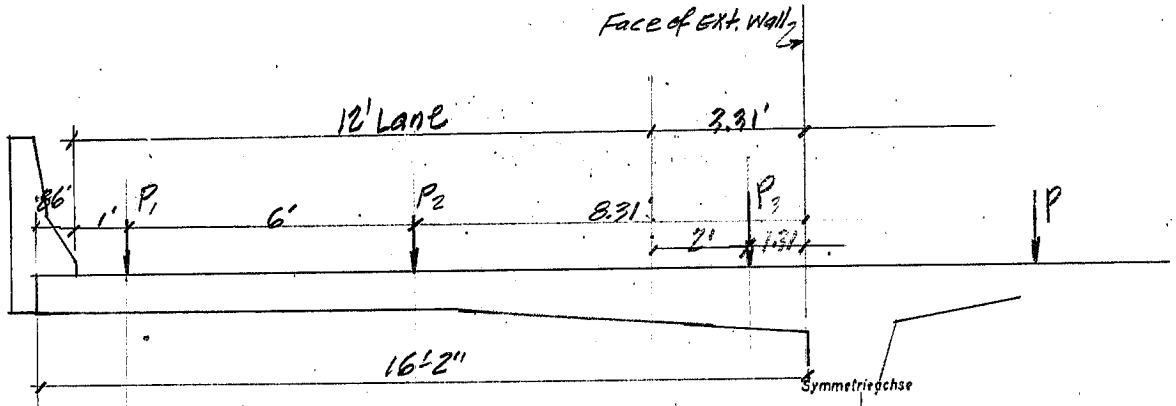
$.265^{K'} = .08P$

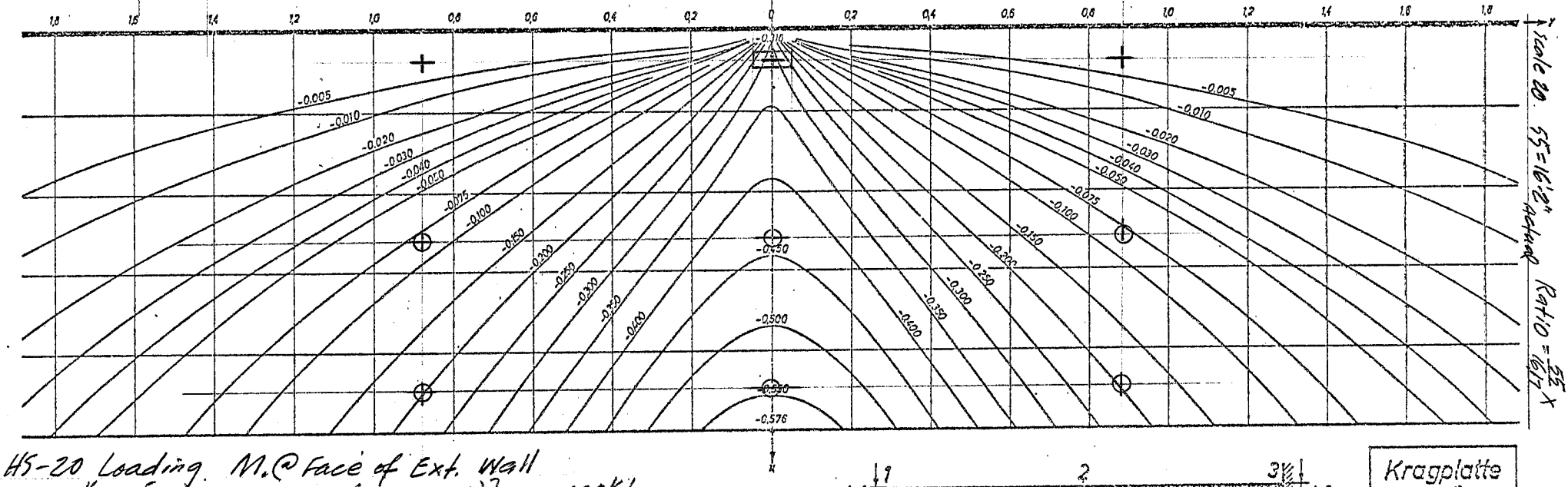


Eingespannte Platte
1:2
m 3,x

33003353

267





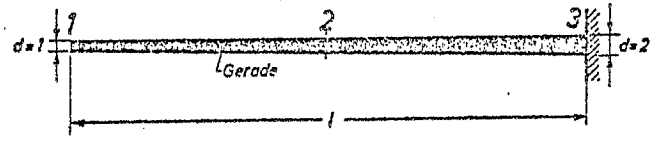
HS-20 Loading M. @ Face of Ext. Wall

$M_{P_{1+2}} = 16^{k}(1.3)[.545 + .44 + 1.25(.20 + .085)] = 27.898^{k'}$

equiv. $P = \frac{27.898^{k'}}{\frac{6}{2} + 8.31} = 2.467^{k}$ (1.34/3)

$M_{P_3} = 16(1.3)[.31 + 0] = 6.45^{k'}$ equiv. $P = \frac{6.45^{k'}}{1.31} = 4.92^{k}$

$1\frac{1}{2}$ Lane $M = 34.35^{k'}$



Kragplatte
1:2
$m_{3,x}$

3300335 4

1615
208