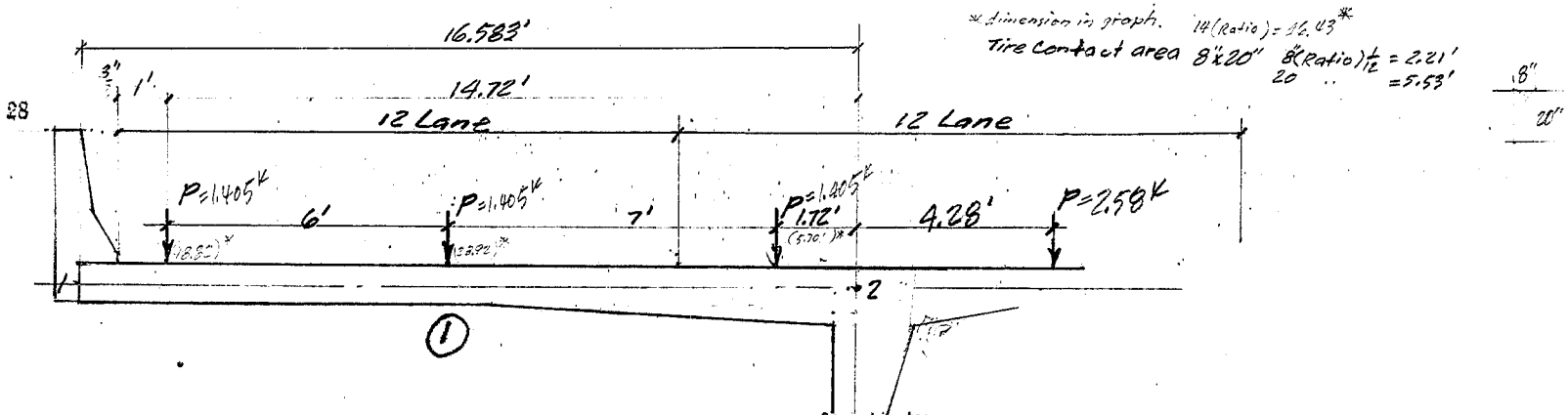
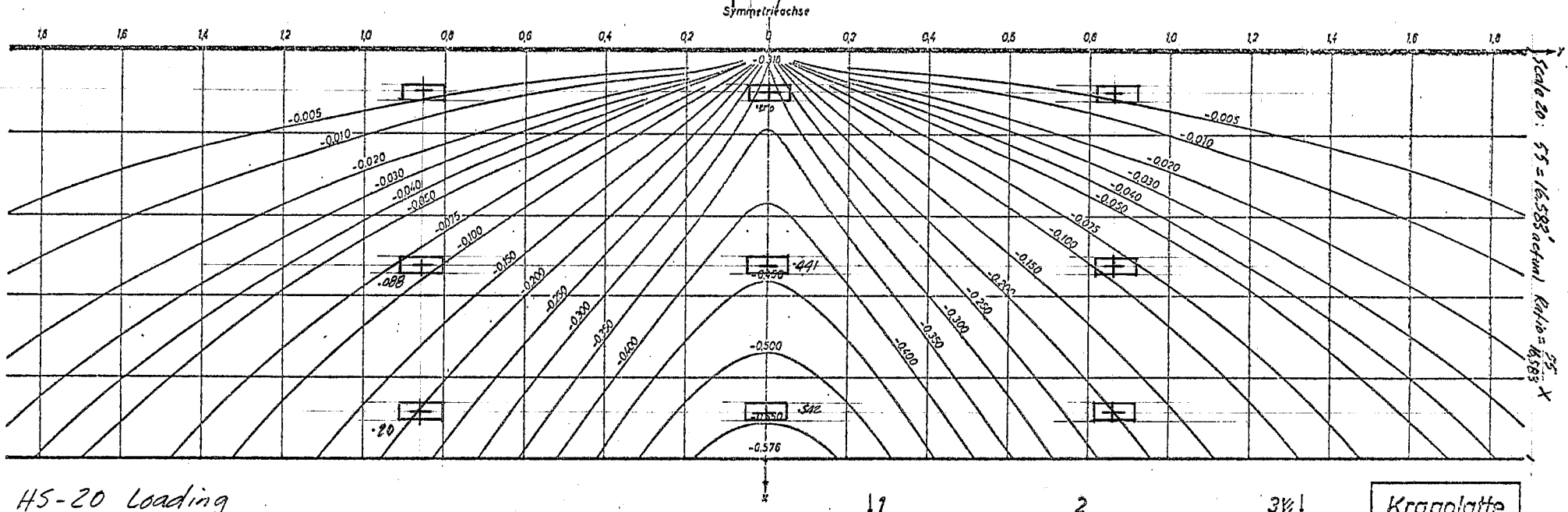
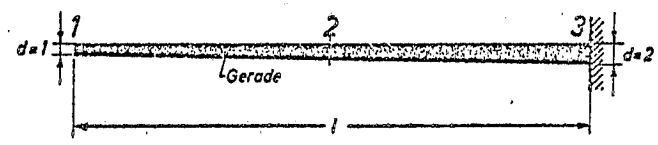


* dimension in graph. 14(Ratio) = 16.43*

Tire Contact area 8"x20" 8"(Ratio)$\frac{1}{12}$ = 2.21'
20 " = 5.53'



HS-20 Loading



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

$M_2 = (P+I)\,Coef$

2 Lane. $= 16^K(1.3)\left[.542 + .441 + .350 + 1.25\overset{.3663}{(.2 + .088 + .005)}\right] = 35.34^{K'}$ (1.6999)

$35.34^{K'} = P(1.72' + 8.72 + 14.72)$ $P = 1.405^K$ For max Moment Lt Cantilever

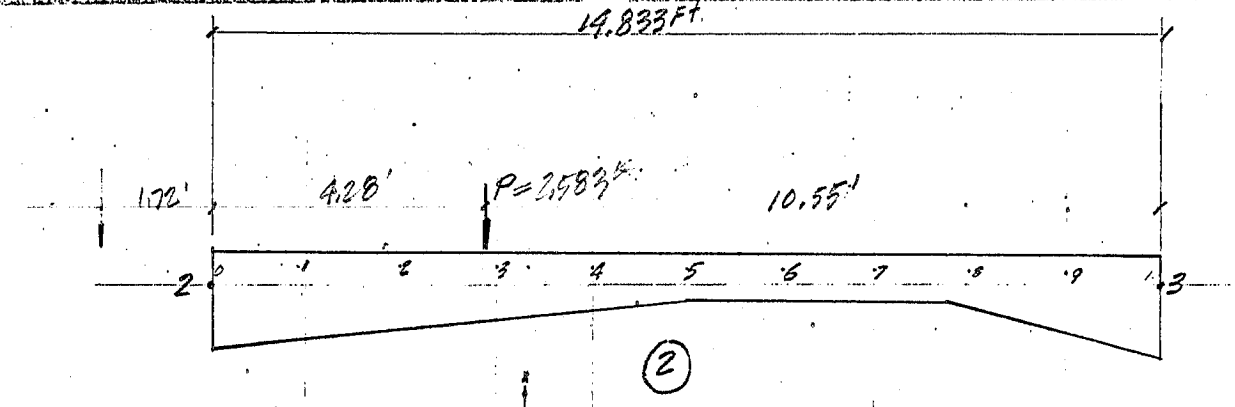
$M_2 = 16^K(1.3)\left[.542 + .441 + 1.25\overset{1.343}{(.20 + .088)}\right] = 27.93^{K'}$

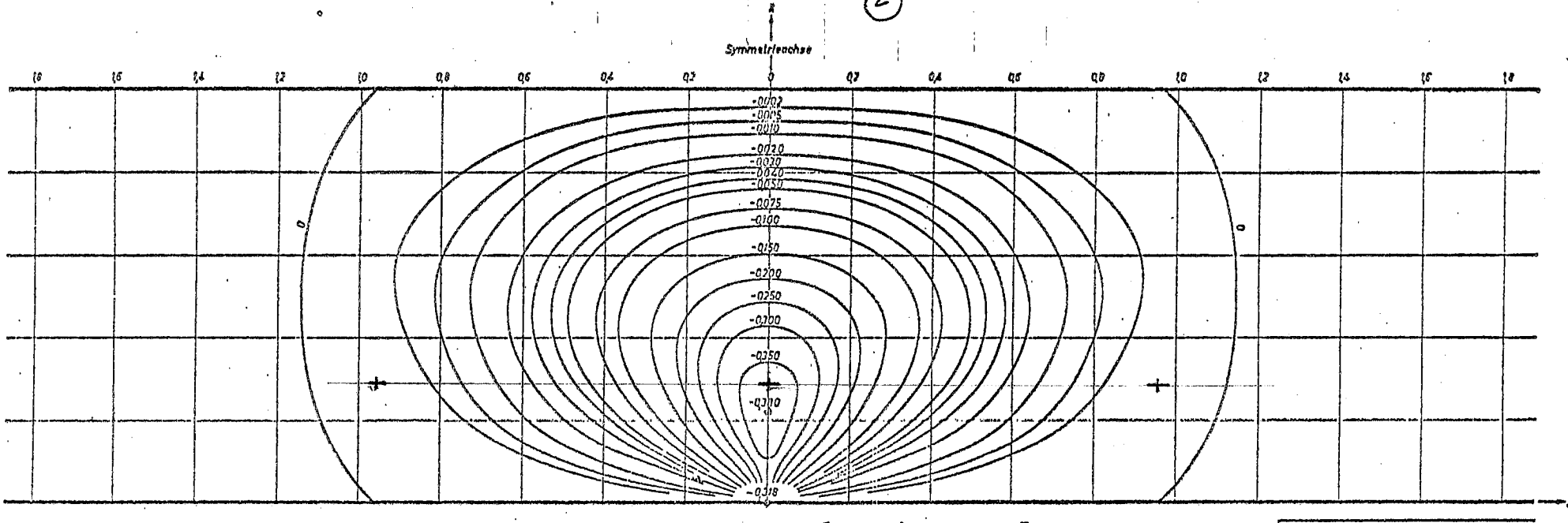
one Lane

$27.93^{K'} = P(8.72 + 14.72)$ $P = 1.19^K$

33003355

209

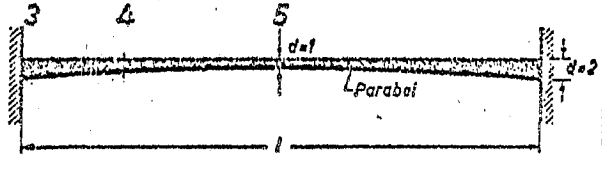




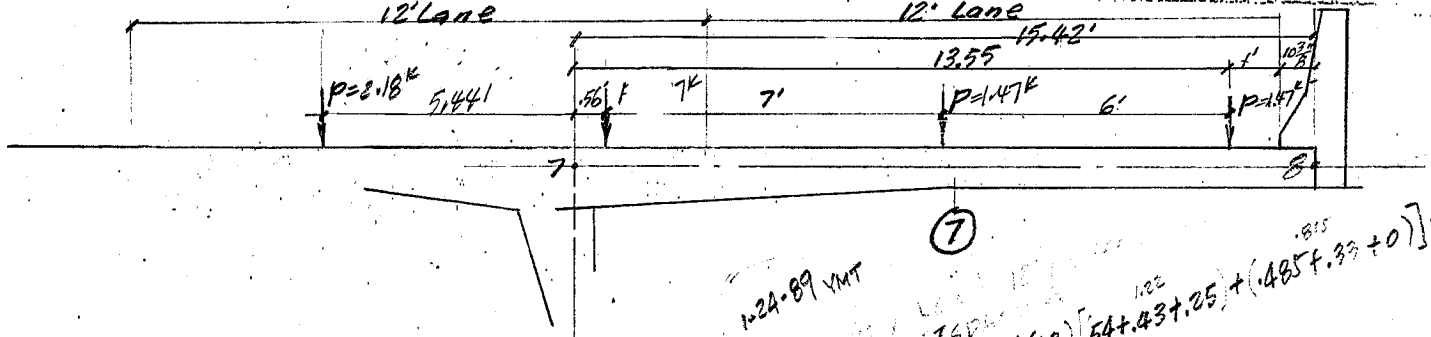
HS-20

$+M_2 = 16^k(1.3)\,[.365 + 1.25(.0011)] = 7.621^{k'}$

$7.621^{k'} = 2.95\,P. \qquad P = 2.583^k$

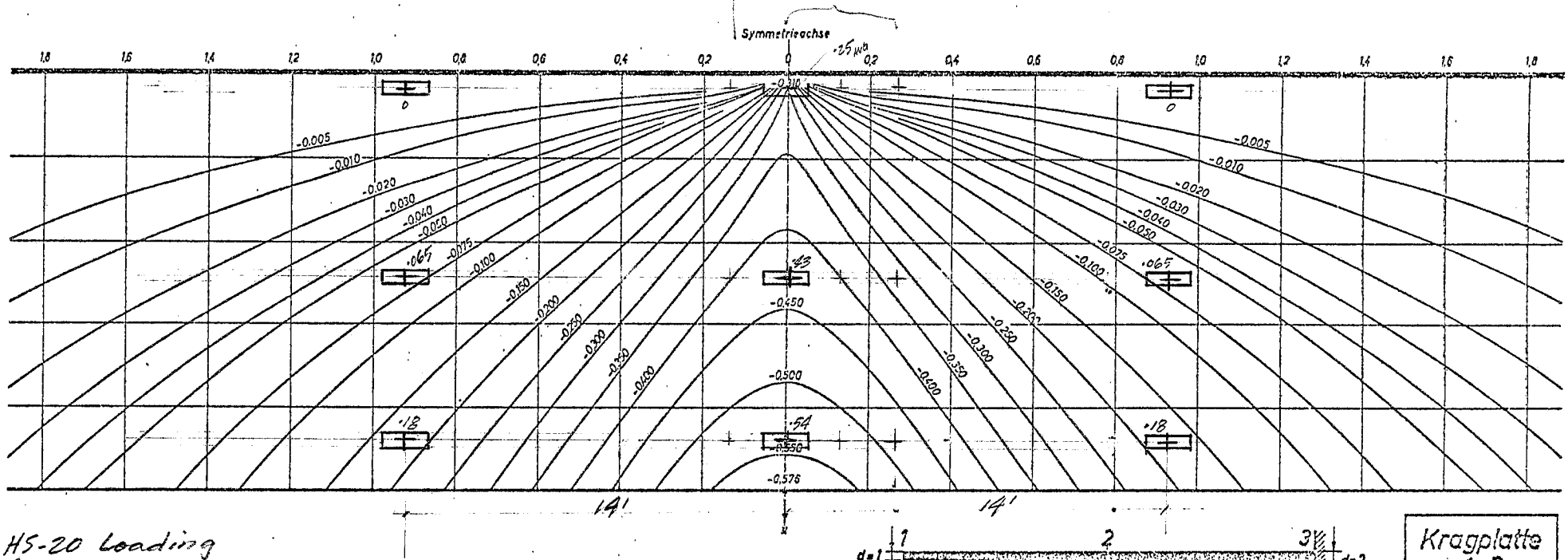


Eingespannte Platte
1:2
m 3,x



1-24-89 YMT

$M_7 = 12^K(1.3)[.54+.43+.25+(.485+.33+0)] = 31.746^{K'}$ = HS 20 31.75



Scale 20 55=15.42' actual Ratio = 55/15.42 x

HS-20 Loading

2 Lane $M_7 = (P+I)$ coef.

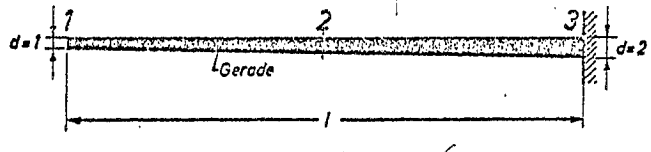
$= 16^K(1.3)[.54+.43+.25+1.25(.18+.065)] = 31.75^{K'}$

$31.75^{K'} = P(.56+7.56+13.56)$ $P = 1.465^K$ For max Moment @ Rt. cantilever (ANB. RTS; USE LOADING AS SHOWN IN LAYOUT INSTEAD)

one Lane

$M_7 = 16^K(1.3)[.54+.43+1.25(.18+.065)] = 26.546^{K'}$

$26.546^{K'} = P(13.56+7.56)$ $P = 1.257^K$



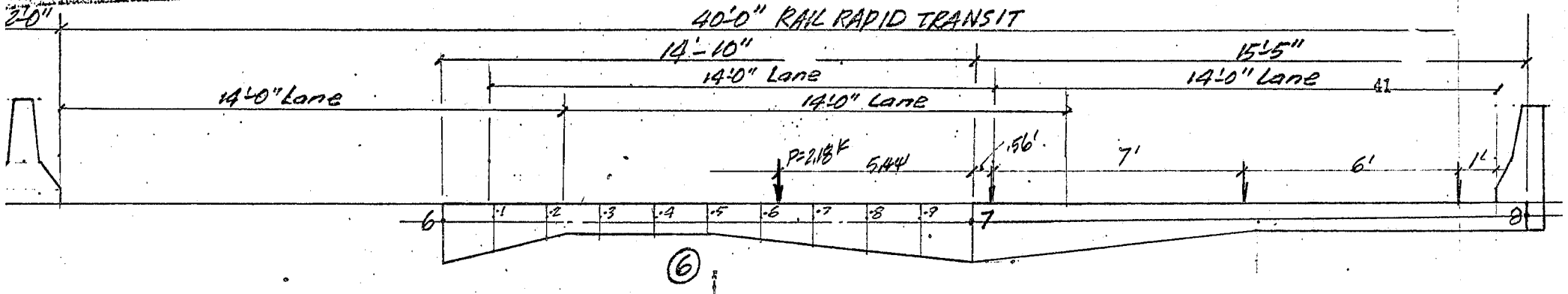
Kragplatte
1:2
$m_{3,x}$

COMPARE TO HS20 $M_7 = 24.64^{K'}$ (RAMP TRANSIT)

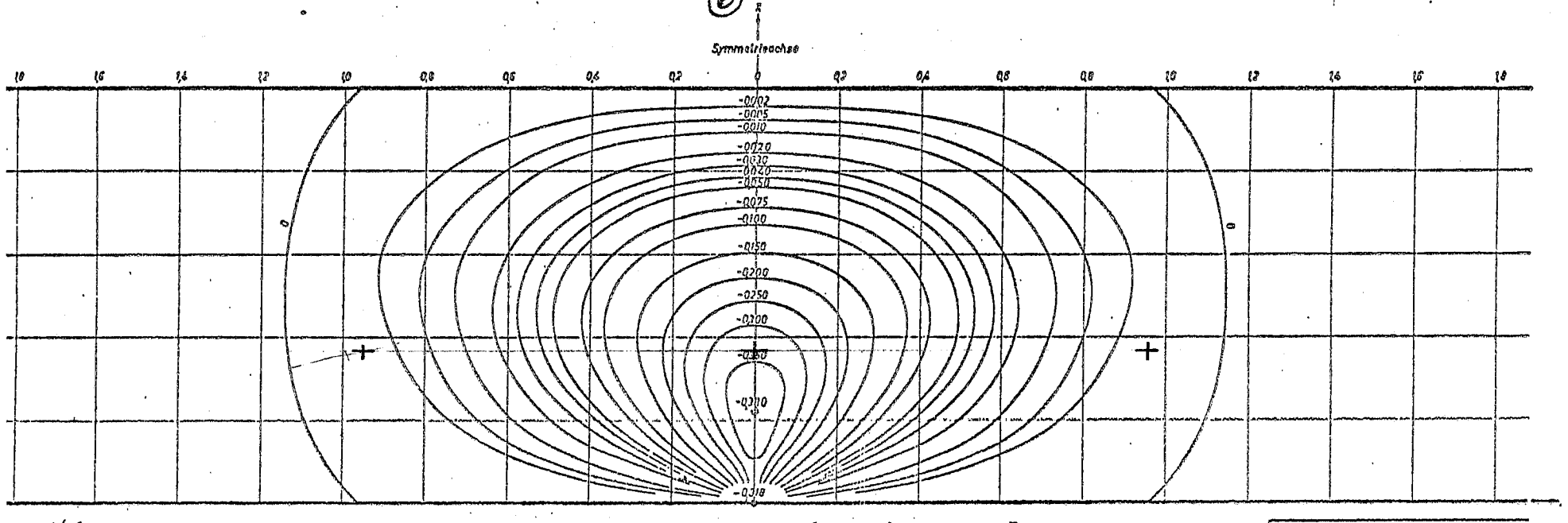
ONE LANE HS20 $M_7 = 26.55^{K'}$

3300335 7

211



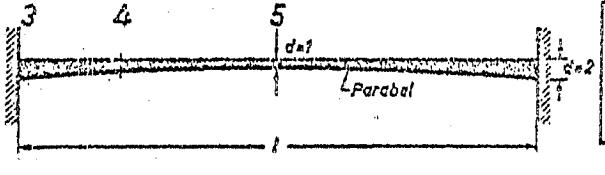
(6)



HS-20

$+ M_7 = 16^k(1.3)[.333 + 1.25(.0015)] = 6.972^{k'}$

$6.972^{k'} = 3.2P \qquad P = 2.18^k$



Eingespannte Platte
1:2
m 3,x

33003358

812