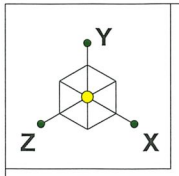
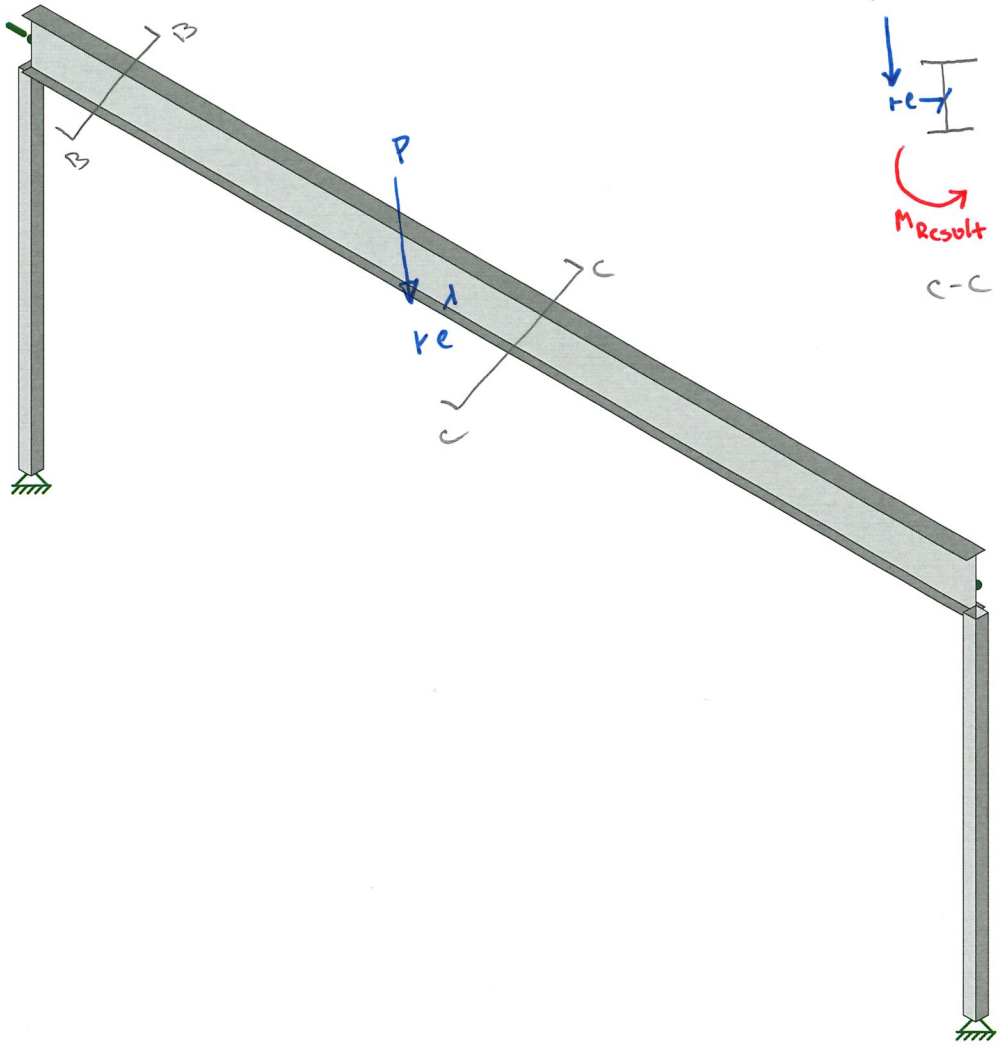
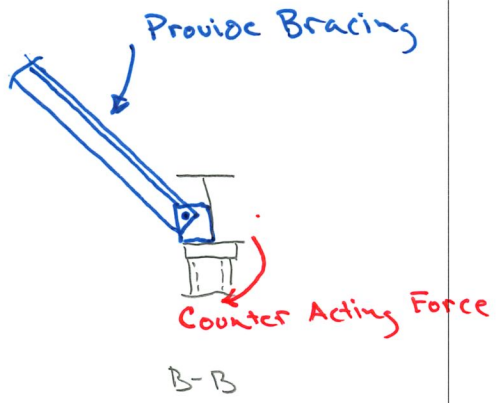
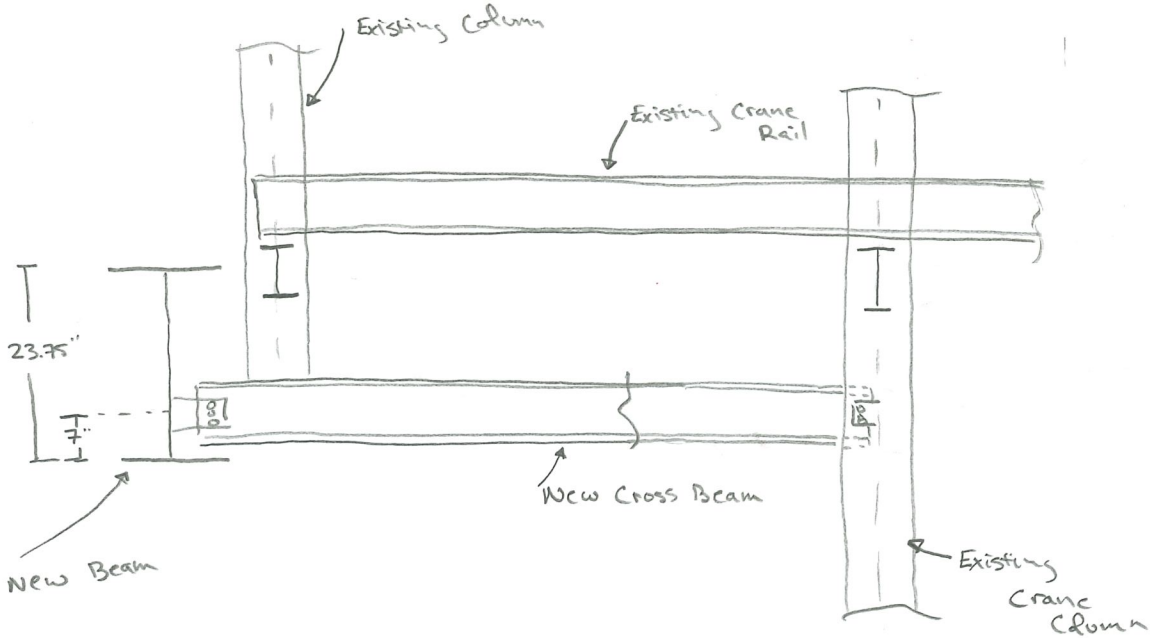
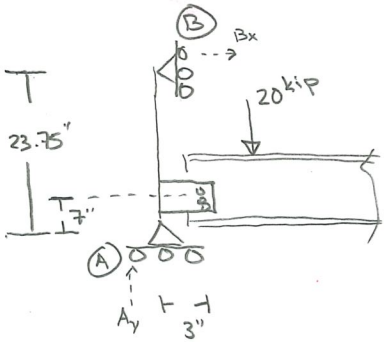

Y
Z
X


B
B
P
e
C
C

P
e
M Result
C-C


Provide Bracing
Counter Acting Force
B-B





$\sum F_A = 0 \uparrow$

$A_y - 20^{kip} = 0$

$A_y = 20^{kip}$

$\Rightarrow$ Vertical load to Beam

$\sum M_A = 0 \circlearrowleft$

$-20^k(3") + B_x(23.75 - 7") = 0$

$B_x = -3.582^k$

$\Rightarrow \pm 3.6^k$ (Compression force)