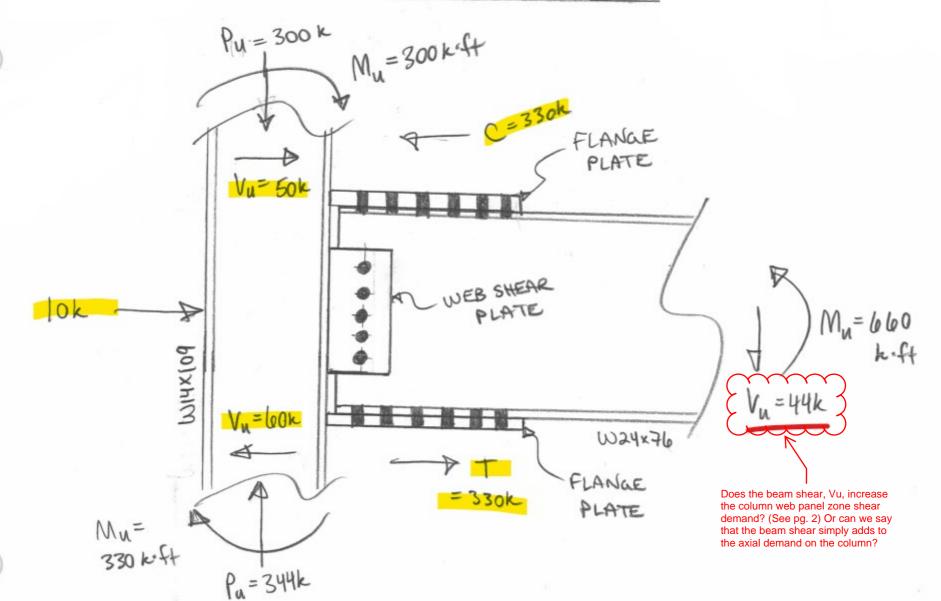
## MOMENT CONNECTIONS : AISC 360-16 LRFD

## FLANGE PLATE MOMENT CONNECTION



COLUMN WEB PANEL ZONE SHEAR: (J10.6) 
$$\Phi = 0.9$$

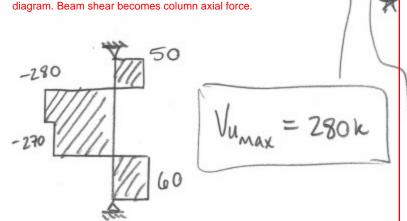
J10.6(a):  $X = 1.0$  (LRFD)  $P_{r} = 344$  k REQUIRED AXIAL

 $P_{y} = F_{y}A_{g} = 50$  ksi  $(32 in^{2}) = P_{y} = 1600$  k

## COLUMN SHEAR DEMAND:

$$V_n=50k$$
 $C_u=330k$ 
 $T_n=330k$ 
 $V_u=60k$ 

LOADS



SHEAR DIAGRAM

As shown: No beam shear. Vu = 44k, in column shear

A Need to design web doubler plates or diagonal

stiffeners. A