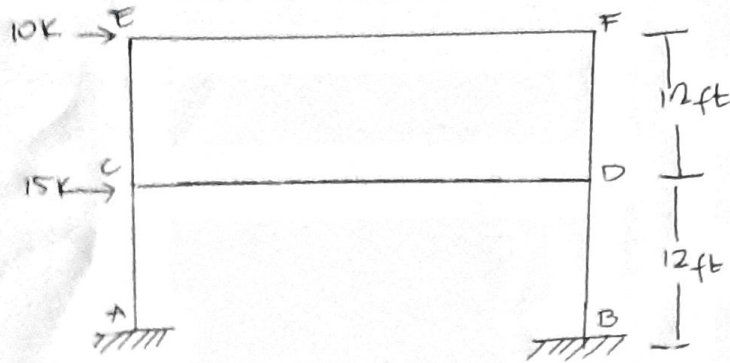
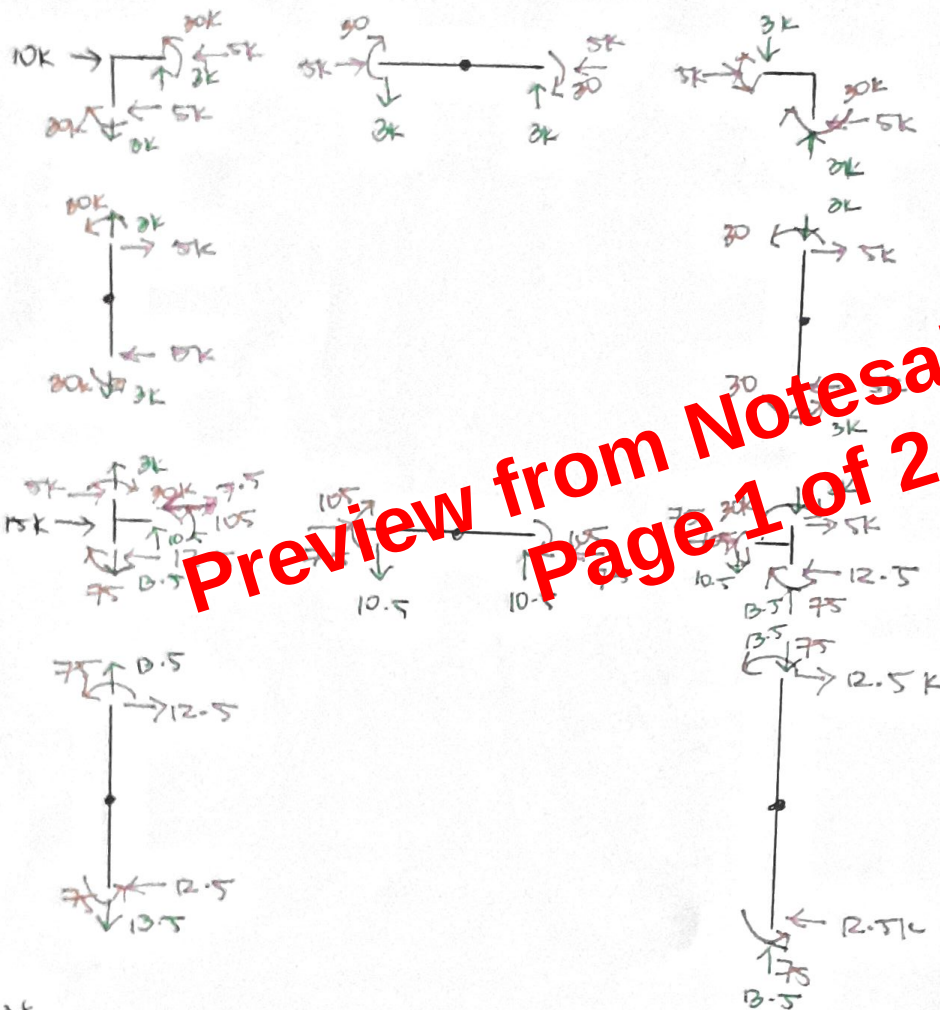


12.6 - 12.13 DETERMINE THE APPROXIMATE AXIAL FORCES, SHEARS & MOMENTS FOR ALL THE MEMBERS OF THE FRAMES.



USING PORTAL METHOD



ANK

$$S_A = 12.5 k$$

$$A_A = 13.5 \downarrow$$

$$M_A = 75 \curvearrowright$$

$$S_B = 12.5 k \leftarrow$$

$$A_B = 13.5 \uparrow$$

$$M_B = 75 \curvearrowleft$$