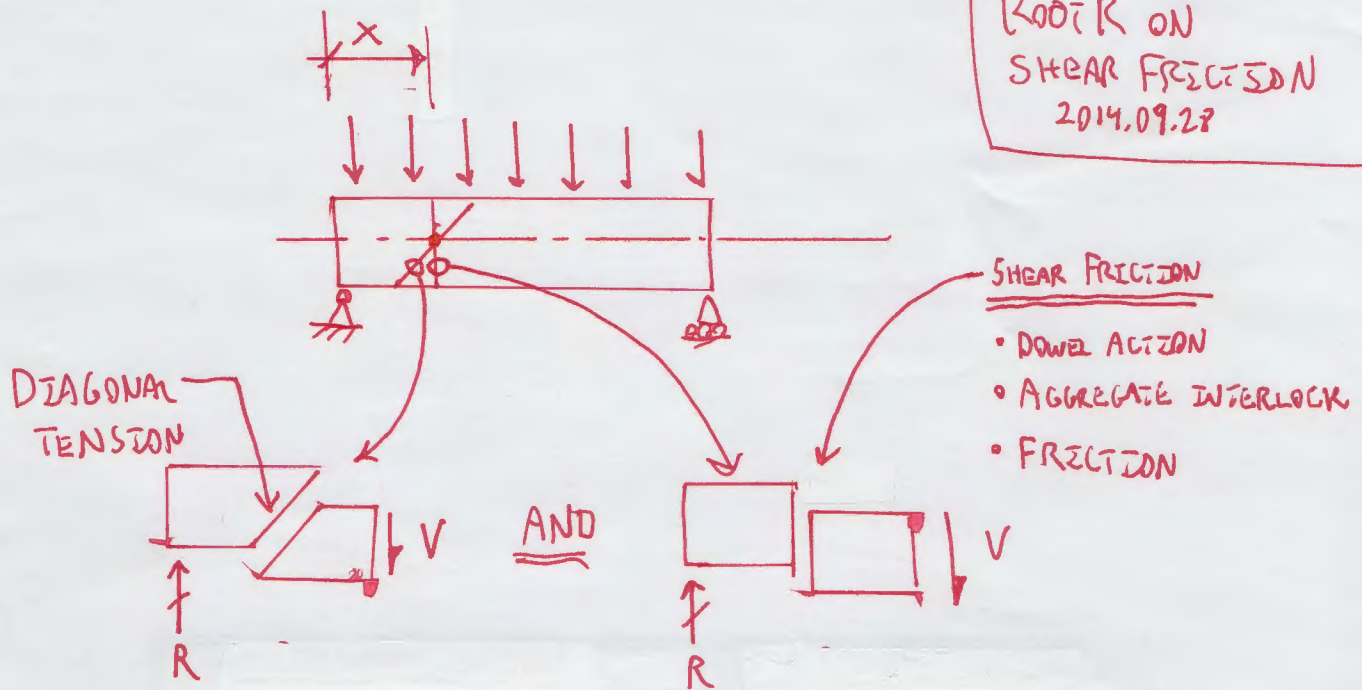
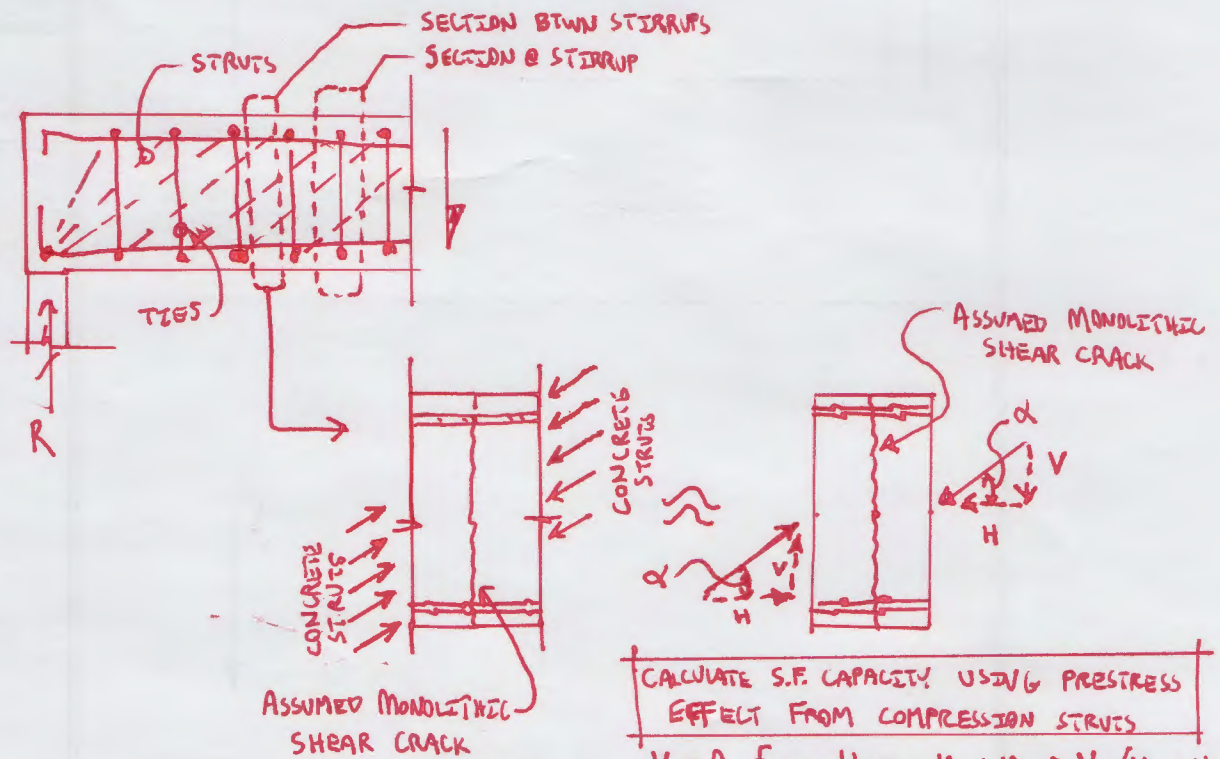


LOOK ON
SHEAR FRICTION
2014.09.28



A WHY SHEAR FRICTION MUST
BE SATISFIED @ ALL LOCATIONS



CALCULATE S.F. CAPACITY USING PRESTRESS
EFFECT FROM COMPRESSION STRUTS

$$V_n = A_n f_y u = H = u = H \times 1.4 \rightarrow V_n / H = 1.4$$

$$\therefore \text{OK AS LONG AS STRUT ANGLE } \alpha < \tan^{-1}(1.4) \approx 55^\circ$$

B WHY SHEAR FRICTION NEED
ONLY BE CHECKED @ COLD JOINTS