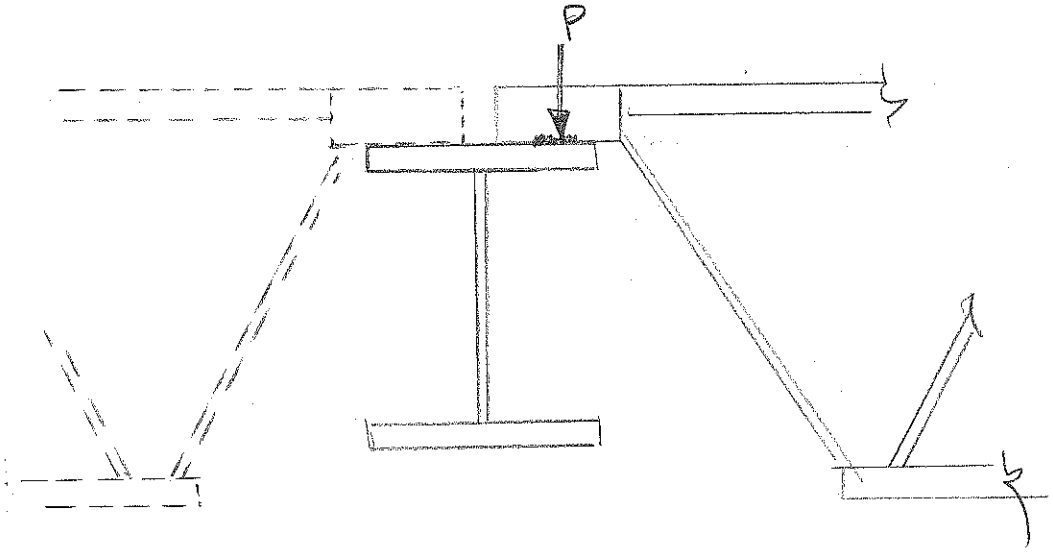
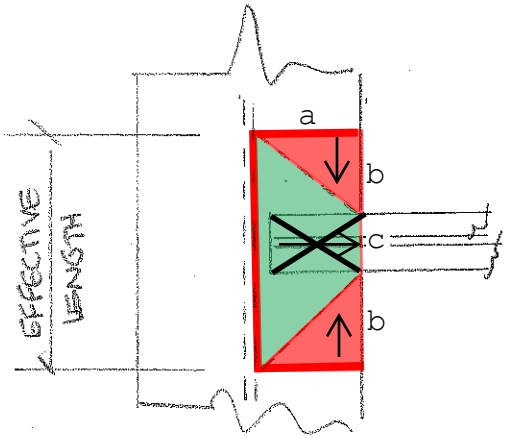
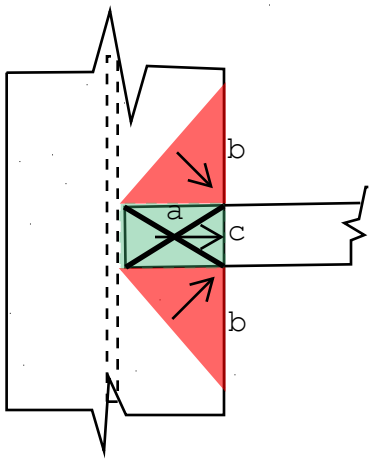
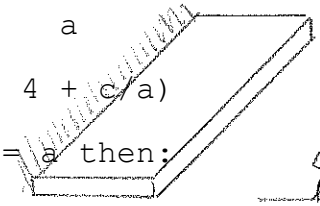


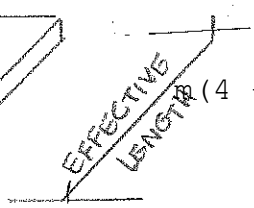




FAILURE MODE A FAILURE MODE B

E.W.	0.5R	0.5R
I.W.	m(4a/b + 4b/a + c/a)	m(4a/b + 2b/a + c/a)
dIW/db	m(-4a/b^2 + 4/a)	m(-4a/b^2 + 2/a)
b(crit)	a	1.414a
I.W.	m(4 + 4 + c/a)	m(4 + 2.828 + c/a)
Assume that c = a then:		
I.W. =	9*m	7.828*m





Equating Internal and External Work,

m required = 0.5R/9 = 0.0555R o.5R/7.828 = 0.0638R