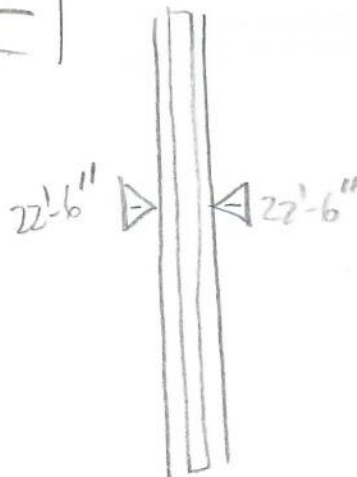
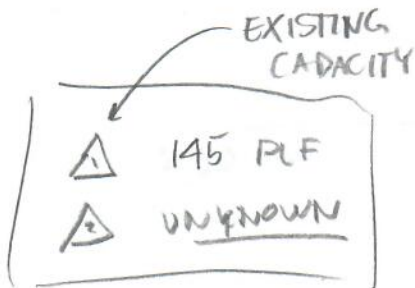


22'-6" - ORIGINAL
2 SIDED TYPE Δ
SHEARWALL



SHEAR
FORCE

- ASSUME 5'-0" REMOVAL
 $45'/40' = 12.5\% > 10\%$
EXCEEDS CBC 10% RULE,
STRENGTHEN TO BRING
TO A MIN OF 10%.

SHEAR STRENGTH REQ'D
TO MEET 10%?

$$40.5/45 = 0.9 \checkmark$$

$$40.5(290 \text{ PLF}) = \underline{\underline{11,745}}^{\#}$$

CAPACITY OF Δ

$$145(22.5 + 22.5 + 17.5 + 11.5) = 10,730$$

$$11,745 - 10,730 = \underline{\underline{1015}} \text{ REMAIN}$$

$$1015/6'-0" = 169 \text{ PLF}$$

PROVIDE Δ W/ MIN OF
169 PLF CAPACITY