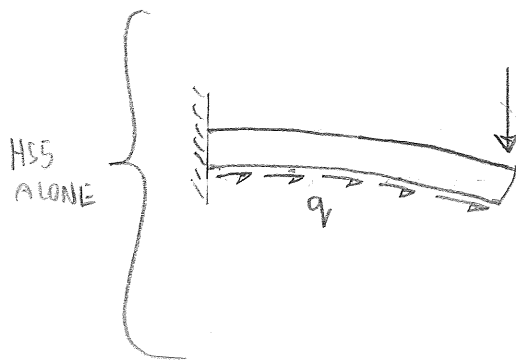
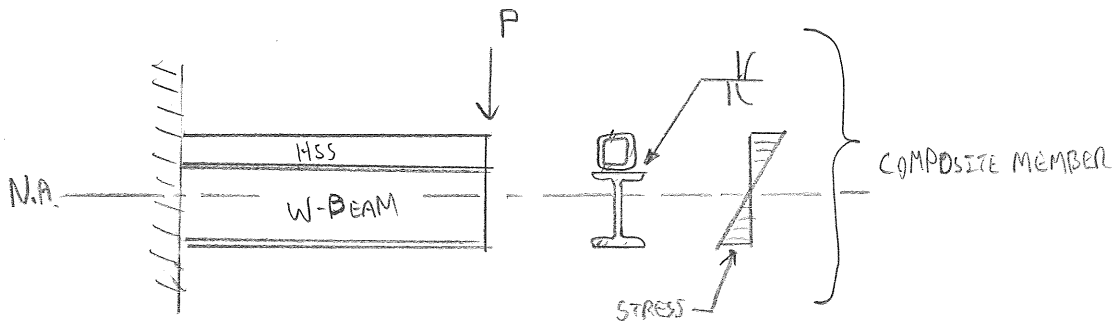


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ηP = SOME PROPORTION OF P . WOULD HAVE THOUGHT IT COULD BE CALCULATED $W/S VQ/I$ FOR EACH MEMBER. NOW UNSURE



STRESS DIAGRAM (A)

STRESS CORRESPONDING TO PORTION OF STRESS DIAGRAM ABOVE FOR COMPOSITE MEMBER

=



STRESS DIAGRAM (B)

+



STRESS DIAGRAM (C)

ASSERTIONS: (A) = (B) + (C); STRESS DIAGRAM (C) DEFINES η , PORTION OF LOAD CARRIED BY HSS.

HYPOTHESES

1) VERTICAL LOCATION OF WELD AFFECTS STRESS DIAGRAM (B)

2) SHAPE OF STRESS DIAGRAM (B) AFFECTS SHAPE OF (C) [(C=A-B)]

∴ LOCATION OF WELD AFFECTS η , PORTION OF VERTICAL SHEAR CARRIED BY EACH MEMBER.