

No Flex
STRUCTURAL ENGINEERS

9121 Atlanta Ave. Ste.#333
Huntington Beach, CA 92646

JOB NO. _____
BY JH
DATE 3-20-52
SH. 2 OF 2

FOR 6'-0" HIGH WALL @ 5'-4" O.C.

$$M = .1066 \times 6^2/2 = 1.9188 \quad w_{all} = \frac{1.402}{1.9188} \times .02 = \underline{\underline{.0146}} \text{ } \frac{K}{ft}$$

FOR 6' HIGH WALL @ 6'-0" O.C.

$$w_{all} = \frac{5.33}{6} \times .0146 = \underline{\underline{.0122}}$$

FOR 7'-0" HIGH WALL @ 5'-4" O.C.

$$M = .1066 \times 7^2/2 = 2.6117 \quad w_{all} = \frac{1.402}{2.6117} \times .02 = \underline{\underline{.0107}} \frac{K}{ft}$$

FOR 7'-0" HIGH WALL @ 6'-0" O.C.

$$w_{all} = 5.33/6 \times .0107 = \underline{\underline{.00894}} \frac{K}{ft}$$

FOR 8'-0" HIGH WALL @ 5'-4" O.C.

$$M = .1066 \times 8^2/2 = 3.411 \quad w_{all} = \frac{1.402}{3.411} \times .02 = \underline{\underline{.0082}} \frac{K}{ft}$$

FOR 8'-0" WALL @ 6'-0" O.C.

$$w_{all} = \frac{5.33}{6} \times .0082 = \underline{\underline{.0063}} \frac{K}{ft}$$