



MEAN ROOF HT. = 16'
WIND = 20 PSF

WIND

▲ NORTH

▨ - INDICATES
2x6 WALL

■ - INDICATES
PROPOSED
N-S SHEARWALL

$$\text{PLF TO LINE A} \rightarrow 20 \text{ PSF} \times \frac{16'}{2} = 208 \text{ plf}$$

$$\text{LINE A TRIB} \rightarrow \frac{5'}{2} + \frac{41'}{2} = 23 \text{ ft}$$

SHEAR FORCE
LINE (A)

$$23 \text{ ft} \times 208 \text{ plf} = \underline{\underline{4,784 \text{ lb}}}$$