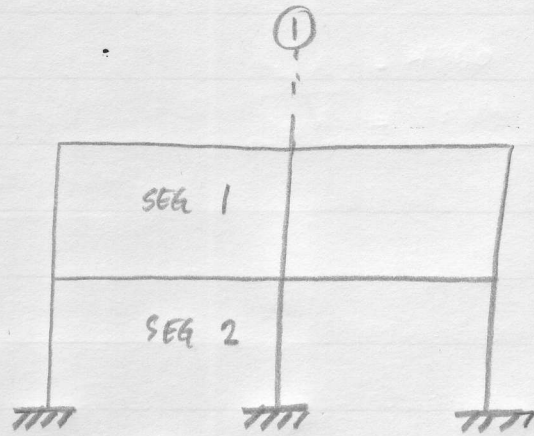


$$\text{TRIB AREA} = 1240 \text{ ft}^2$$

$$A_I = 4 A_T \quad \text{FOR INT. COL.}$$



75 PSF (LL)

40 PSF (LL) GARAGE

	A_T	A_I	RLLF
RETAIL	1240	4960	0.463
PARKING	1240	9920	0.4

LIVE LOAD CALCS

$$RLLF = 0.25 + \frac{15}{\sqrt{A_I}}$$

SEGMENT 1

$$LL = 1240 \times 75 \text{ PSF}$$

$$= 93^k$$

$$\text{Red. LL} = 43^k$$

SEGMENT 2

$$LL = 1240 \times 75 + 1240 \times 40$$

$$= 143^k$$

$$RLL = 57.2^k$$

\therefore REDUCED LL ON FOUNDATION = 57.2^k

(or)

$$0.463 (75 \text{ PSF}) + 0.8 (40) = 66.75 \text{ PSF} \times 1240$$

$$= 82.7^k$$

\uparrow RETAIL \uparrow PARKING

WHICH ONE IS CORRECT ?