

## **Quick Reference Guide – Rules of Thumb**

### **Block (considering 8x8x16)**

- 3 Bags Mortar per 100 Block
- 250 lbs of masonry sand if delivered in bulk per bag of mortar
- 200 lbs of masonry sand if delivered in CYD super sacks per bag of mortar
- 1.125 blocks per SF of wall area
- Blocks per course =  $.75 \times \text{length of wall}$
- Number of courses =  $1.5 \times \text{height of wall}$

### **Brick**

- Modular Size  $2 \frac{1}{4}"$  H x  $7 \frac{5}{8}"$  L estimate 7 bricks per laid up SF with a  $\frac{3}{8}"$  mortar joint
- Engineered Size  $2 \frac{3}{4}"$  H x  $7 \frac{5}{8}"$  L estimate 5.8 bricks per laid up SF with a  $\frac{3}{8}"$  mortar joint
- Estimate 8 bags of mortar / 1000 brick
- Estimate 1600 – 2000 lbs of sand per 1000 brick depending on super sack or bulk
- Pavers  $4" \times 8"$  estimate 4.5 pavers per SF of area

### **Concrete**

- For 3000 psi:3-2-1 Mix–1 Ton Gravel, 1/2 Ton Sand, 6 Bags Cement, 1-Portland, 2-Sand, 3-Parts Gravel

### **Sand/Gravel**

- Gravel: 1.35 tons or 2700 lbs per cubic yard Sand: 1.08 tons or 2160 lbs per cubic yard

### **Wallties**

- 1 per every 10 Brick (100 Wall Ties per 1000 Brick)

### **Zonolite**

- 4 Cu.Ft. Bag Fills Approx. 9-12" Block or 16-8" Block 12" Block yields 11.5 R-value 8" Block yields 7.14 r-value