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 x length of wall
- Number of courses = 1.5 x height of wall

Brick

- Modular Size 2 ¼”H x 7 5/8”L estimate 7 bricks per laid up SF with a 3/8” mortar joint
- Engineered Size 2 ¾”H x 7 5/8”L estimate 5.8 bricks per laid up SF with a 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”x 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