

**City of Kalamazoo Department of Public Services - Cemeteries Division**  
**Foundation Requirements by Monument Size**

Enter Monument Base Width 1.083333333 Ft  
 Enter Monument Base Length 5.166666667 Ft  
 Enter Total Monument Weight 1402 Pounds  
250.4813896 PSF

Die/Tablet Dimensions 30 Length, Inches  
6 Width, Inches  
18 Depth, Inches

Base Dimensions 62 Length, Inches  
13 Width, Inches  
8 Depth, Inches

Material

Granite 200  
 Black Granite 250

Enter Here -> 250 Lbs/Ft3

Total Weight 1402 Pounds

**Concrete Foundation Requirements**

**0 < X < 150 PSF**

4" Thick - Nonreinforced  
 Natural Stone Mix  
 Air Entrained Mix  
 3500 PSI Compressive Strength

**150 PSF < X < 300 PSF**

6" Thick - Nonreinforced  
 Natural Stone Mix  
 Air Entrained Mix  
 3500 PSI Compressive Strength

**300 PSF < X < 600 PSF**

6" Thick - Reinforced  
 MDOT S2 All Limestone Mix  
 Air Entrained, 6.0 Sack Mix  
 3500 PSI Compressive Strength

**600 PSF < X < 1200 PSF**

9" Thick - Reinforced  
 MDOT S2 All Limestone Mix  
 Air Entrained, 7.0 Sack Mix  
 4500 PSI Compressive Strength

**Soil Improvements - Undercutting and Concrete Details**

None Required

Soil Improvement Detail A

Soil Improvement Detail B  
 Concrete Placement Detail A

Soil Improvement Detail C  
 Concrete Placement Detail B

Soil Detail A = 6" of MDOT Class II Sand Compacted in three (3) - 2" Lifts Under Entire Concrete Foundation

Soil Detail B = 6" of MDOT 21AA Crushed Concrete Compacted in two (2) - 3" Lifts Under Entire Concrete Foundation  
 AND 12" of MDOT 6AA Crushed Stone Placed and Compacted in two (2) - 6" Lifts Under Entire 21AA

Soil Detail C = 9" of MDOT 21AA Crushed Concrete Compacted in three (3) - 3" Lifts Under Entire Concrete Foundation  
 AND 18" of MDOT 6AA Crushed Stone Placed and Compacted in three (3) - 6" Lifts Under Entire 21AA on Non-Woven Geotextile Fabric

Comments: