**Concrete Block Data**
- **Design Unit Weight** ($\gamma_c$) = 142 pcf
- **Volume** ($V_c$) = 24.71 cft
- **Block Weight** ($W_c$) = 3,509 lbs
- **Center of Gravity (COG) ($COG_c$) = 28.15" (See Notes)**

**Gravel Infill Data**
- **Design Unit Weight** ($\gamma_g$) = 110 pcf
- **Volume** ($V_g$) = 15.29 cft
- **Gravel Infill Weight** ($W_g$) = 1,682 lbs
- **Center of Gravity (COG) ($COG_g$) = 32.79" (See Notes)**

**Combined Unit Data**
- **Design Unit Weight** ($\gamma_t$) = (3,509 lbs + 1,682 lbs) / 40 cft = 130 pcf
- **Volume** ($V_t$) = 24.71 cft + 15.29 cft = 40.00 cft
- **Total Unit Weight** ($W_t$) = 5,191 lbs
- **Center of Gravity (COG) ($COG_t$) = 29.65" (See Notes)**

**Notes:**
- Volume, weight and COG calculations were done using CAD software.
- COG measurements are from back of block.

**60" Mass Extender Block & Gravel Infill**

**Design Unit Weight** ($\gamma$) = 142 pcf

**Volume** ($V$) = 24.71 cft

**Block Weight** ($W$) = 3,509 lbs

**Gravel Infill Data**

**Volume (Vg) = 15.29 cft**

**Gravel Infill Weight (Wg) = 1,682 lbs**

**Center of Gravity (COGg) = 32.79" (See Notes)**

**Combined Unit Data**

**Volume (Vt) = 24.71 cft + 15.29 cft = 40.00 cft**

**Total Unit Weight (Wt) = 5,191 lbs**

**Center of Gravity (COGt) = 29.65" (See Notes)**

**Notes:** Volume, weight and COG calculations were done using CAD software.

**COG measurements are from back of block.**

**Phone:** (801) 571-2028

**Drawn By:** Dan Balling
**Date:** 11/25/2013

**60" Mass Extender**

**BD-07**

**Verti Block®**

16500 South 500 West
Bluffdale, Utah 84065
Phone: (801) 571-2028

**Scale:** 1:20

**Sheet:** 1 of 1