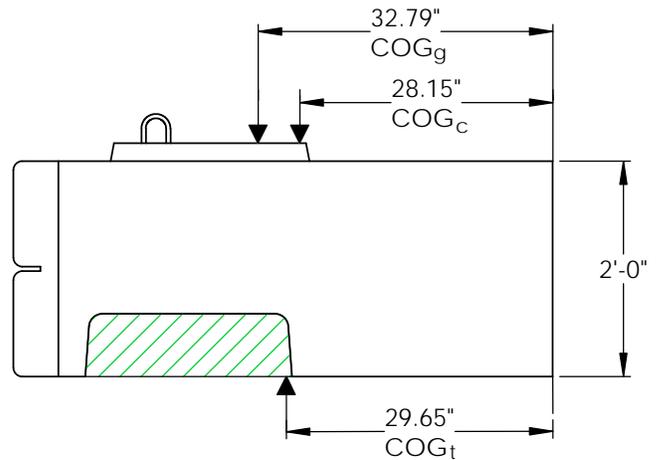
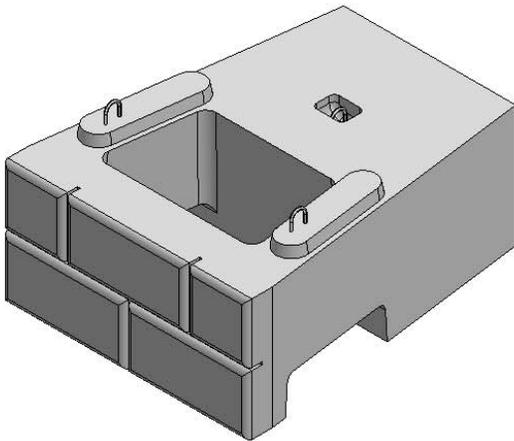
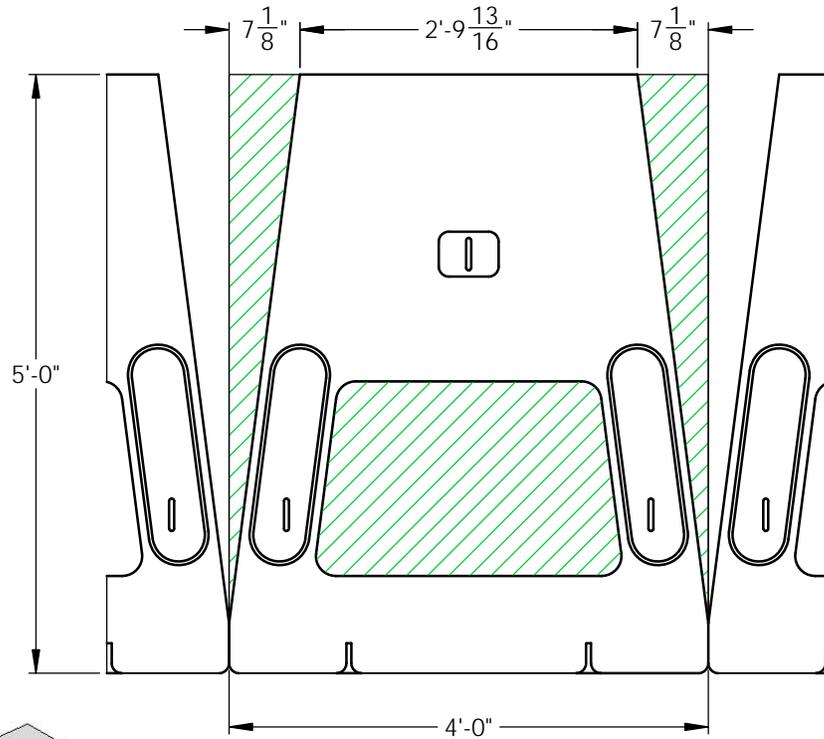


60" MASS EXTENDER BLOCK & GRAVEL INFILL



CONCRETE BLOCK DATA

DESIGN UNIT WEIGHT (γ_c) = 142 pcf
 VOLUME (V_c) = 24.71 cft
 BLOCK WEIGHT (W_c) = 3,509 lbs
 CENTER OF GRAVITY (COG_c) = 28.15" (SEE NOTES)

GRAVEL INFILL DATA

DESIGN UNIT WEIGHT (γ_g) = 110 pcf
 VOLUME (V_g) = 15.29 cft
 GRAVEL INFILL WEIGHT (W_g) = 1,682 lbs
 CENTER OF GRAVITY (COG_g) = 32.79" (SEE NOTES)

NOTES:

- VOLUME, WEIGHT AND COG CALCULATIONS WERE DONE USING CAD SOFTWARE.
- COG MEASUREMENTS ARE FROM BACK OF BLOCK

COMBINED UNIT DATA

DESIGN UNIT WEIGHT (γ_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_t) = 29.65" (SEE NOTES)



DRAWN BY
DAN BALLING

DATE
11/25/2013

TITLE:

60" MASS EXTENDER

DWG NO.

BD-07

16500 SOUTH 500 WEST
BLUFFDALE, UTAH 84065
PHONE: (801) 571-2028

SCALE: 1: 20

SHEET 1 OF 1