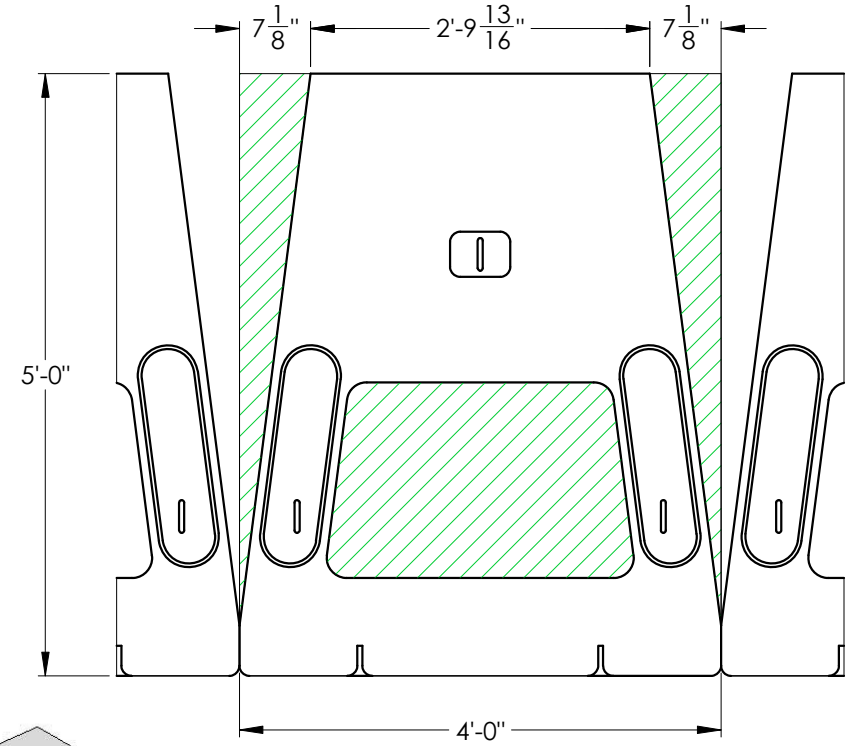
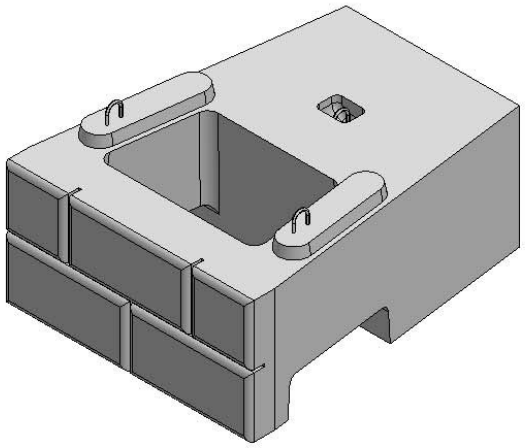
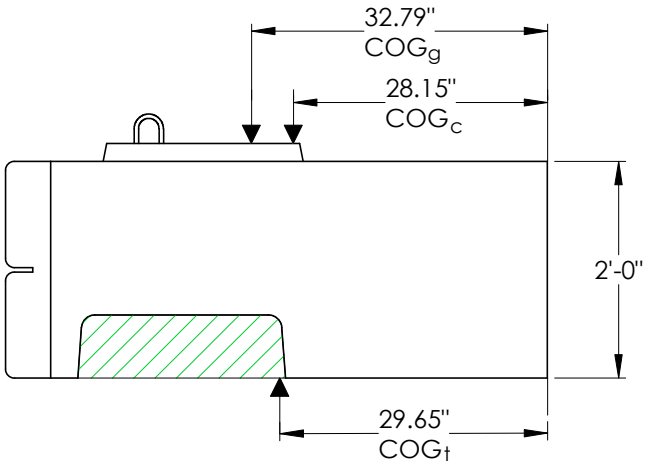
60" MASS EXTENDER BLOCK & GRAVEL INFILL







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 MEASURMENTS 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)

VERTI BLOCK®

DRAWN BY	DATE	TITLE:
DAN BALLING	11/25/2013	60" MASS EXTENDER

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

DWG NO. BD-07

SCALE: 1: 20 | SHEET 1 OF 1