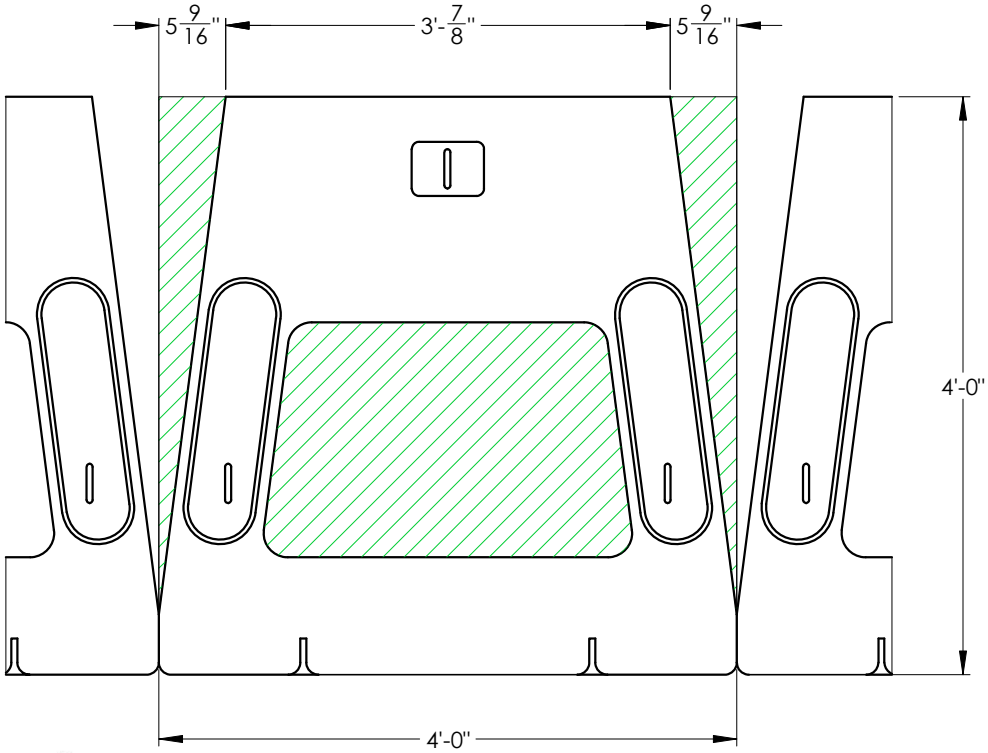
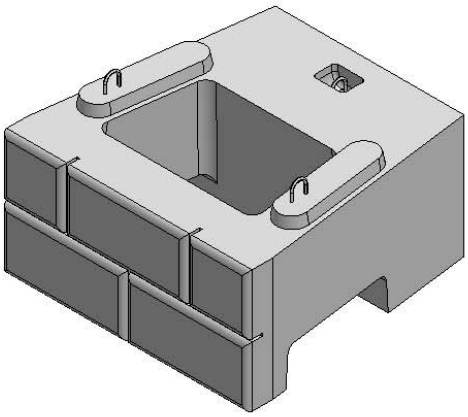
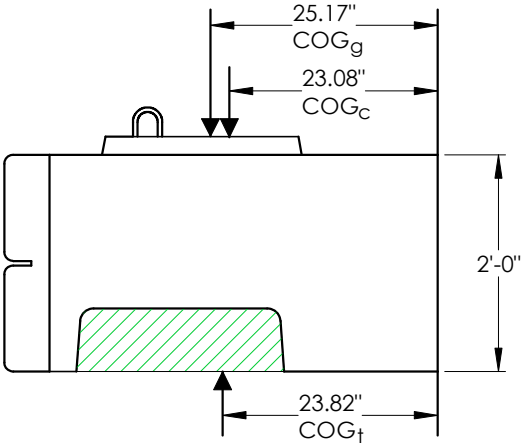
48" MASS EXTENDER BLOCK & GRAVEL INFILL







CONCRETE BLOCK DATA

DESIGN UNIT WEIGHT (γ_c) = 142 pcf
VOLUME (V_c) = 18.83 cft
BLOCK WEIGHT (W_c) = 2,674 lbs
CENTER OF GRAVITY (COG_c) = 23.08" (SEE NOTES)

GRAVEL INFILL DATA

DESIGN UNIT WEIGHT (γ_g) = 110 pcf
VOLUME (V_g) = 13.17 cft
GRAVEL INFILL WEIGHT (W_g) = 1,449 lbs
CENTER OF GRAVITY (COG_g) = 25.17" (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) = (2,674 lbs +1,449 lbs) / 32 cft = 129 pcf
VOLUME (V_t) = 18.83 cft + 13.17 cft = 32.00 cft
TOTAL UNIT WEIGHT (W_t) = 4,123 lbs
CENTER OF GRAVITY (COG_t) = 23.82" (SEE NOTES)

VERTI BLOCK®	DRAWN BY: DAN BALLING	DATE: 11/25/2013
	TITLE: 48" MASS EXTENDER	
16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028	DWG NO.: BD-06	
	SCALE: 1: 20	SHEET 1 OF 1