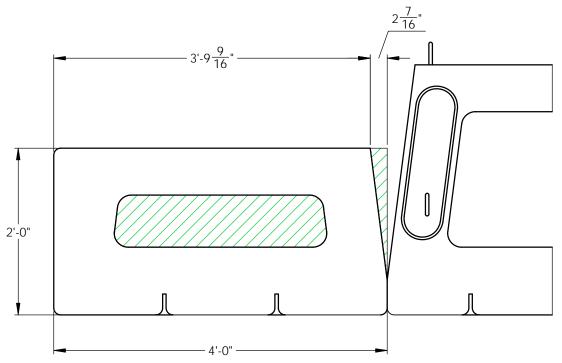
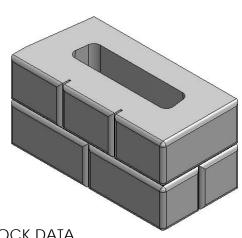
## **24" CORNER BLOCK & GRAVEL INFILL**





12.75" COGC 9.92" cog 2'-0" 12.07" COGt

CONCRETE BLOCK DATA

DESIGN UNIT WEIGHT (YC) = 142 pcf = 11.23 cft VOLUME ( $V_C$ ) = 11.23 cft BLOCK WEIGHT ( $W_C$ ) = 1,595 lbs CENTER OF GRAVITY ( $COG_C$ ) = 12.75" (SEE NOTES)

## **GRAVEL INFILL DATA**

DESIGN UNIT WEIGHT  $(\gamma_{q})$ = 110 pcf = 4.77 cft VOLUME (Vg)

GRAVEL INFILL WEIGHT (Wg) = 508 lbs CENTER OF GRAVITY (COGg) = 9.92" (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  $(\gamma_t)$ = (1,595 lbs + 508 lbs) / 16 cft = 131 pcf

VOLUME (Vt) = 11.23 cft + 4.77 cft = 16.00 cft

TOTAL UNIT WEIGHT ( $W_t$ ) = 2,103 lbs CENTER OF GRAVITY (COG<sub>t</sub>) = 12.07" (SEE NOTES)



	DRAWN BY	DATE	CORNER BLOCK	
	DAN BALLING	11/25/2013		
(B)	16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028		DWG NO. BD-04	
			SCALE: 1: 15	SHEET 1 OF 1