

ALL CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4500 psi.

REINFORCING STEEL SHALL COMPLY WITH ASTM A615 GRADE 60, A706 GRADE 60 OR A497 GRADE 70. BAR BENDING AND PLACEMENT SHALL COMPLY WITH THE LATEST ACI STANDARDS

STANDARD STRUCTURAL DESIGN IS BASED ON AASHTO HS 20 WHEEL LOADING

WATER TABLE IS AT 3'-0" BELOW GRADE FOR STANDARD STRUCTURAL DESIGN

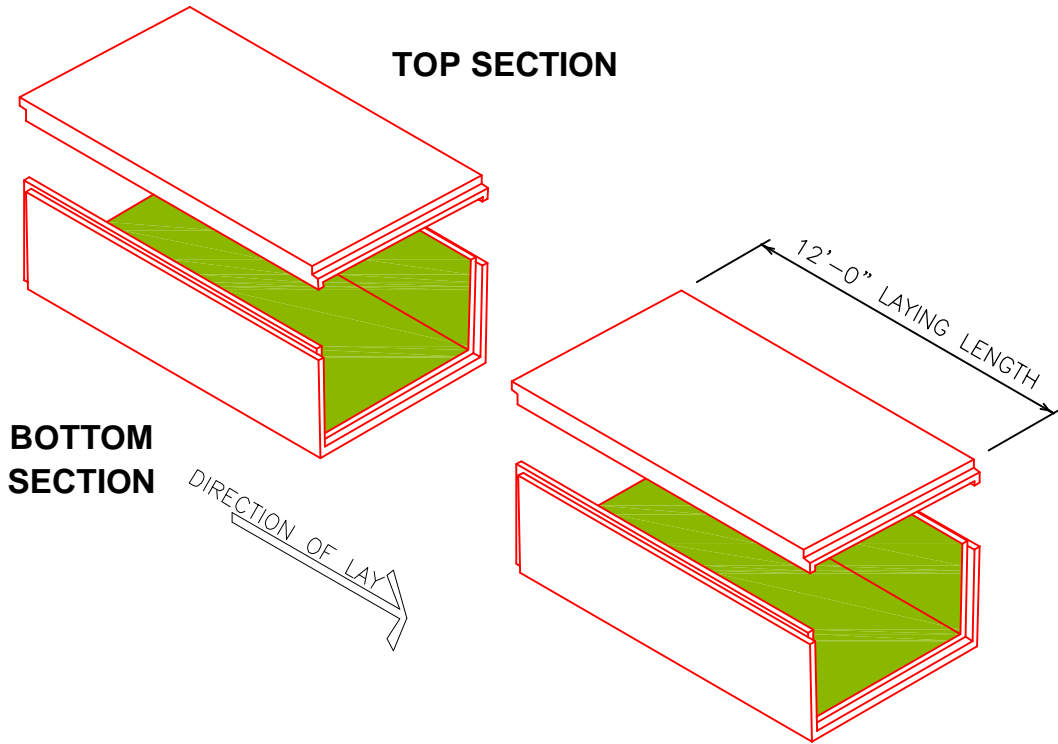
THE STANDARD DESIGN IS BASED ON THE TOP AT ANY ELEVATION BETWEEN FINISHED GRADE AND THE DEPTHS INDICATED.

THE STRUCTURE SHALL BE PLACED ON A COMPACTED GRANULAR BASE TO INSURE UNIFORM DISTRIBUTION OF SOIL PRESSURES.

SPECIAL DESIGNS BASED ON OTHER LOADINGS OR DEEPER INSTALLATION DEPTHS ARE AVAILABLE ON REQUEST.

SIZE		THICKNESS			APPROX. LBS.		STD.
WIDTH	HEIGHT	WALLS	TOP	BOTTOM	TOP	BOTTOM	FILL HT.
3'-0"	1'-0"	6"	6"	6"	3700	5400	15'
3'-0"	1'-6"	6"	6"	6"	3700	6400	15'
4'-0"	1'-0"	6"	6"	6"	4500	6400	12'
4'-0"	2'-0"	6"	6"	6"	4500	8200	12'
4'-0"	3'-0"	6"	6"	6"	4500	9900	12'
4'-0"	4'-0"	6"	6"	6"	4500	11800	12'
5'-0"	1'-0"	6"	7"	6"	6400	7300	10'
5'-0"	2'-0"	6"	7"	6"	6400	9000	10'
5'-0"	3'-0"	6"	7"	6"	6400	10900	10'
5'-0"	4'-0"	6"	7"	6"	6400	12600	10'
6'-0"	1'-0"	6"	7"	7"	7400	9200	8'
6'-0"	2'-0"	6"	7"	7"	7400	11000	8'
6'-0"	3'-0"	6"	7"	7"	7400	12800	8'
6'-0"	4'-0"	6"	7"	7"	7400	14600	8'
7'-0"	1'-0"	6"	8"	7"	9600	10300	8'

SIZE		THICKNESS			APPROX. LBS.		STD.
WIDTH	HEIGHT	WALLS	TOP	BOTTOM	TOP	BOTTOM	FILL HT.
7'-0"	2'-0"	6"	8"	7"	9600	12000	8'
7'-0"	3'-0"	6"	8"	7"	9600	13900	8'
7'-0"	4'-0"	6"	8"	7"	9600	15600	8'
8'-0"	1'-0"	6"	8"	8"	10900	12600	8'
8'-0"	2'-0"	6"	8"	8"	10900	14500	8'
8'-0"	3'-0"	6"	8"	8"	10900	16300	8'
8'-0"	4'-0"	6"	8"	8"	10900	18000	8'
9'-0"	1'-0"	6"	8"	8"	12000	13900	8'
9'-0"	2'-0"	6"	8"	8"	12000	15600	8'
9'-0"	3'-0"	6"	8"	8"	12000	17500	8'
9'-0"	4'-0"	6"	8"	8"	12000	19200	8'
10'-0"	1'-0"	6"	9"	8"	14900	15000	8'
10'-0"	2'-0"	6"	9"	8"	14900	16900	8'
10'-0"	3'-0"	6"	9"	8"	14900	18600	8'
10'-0"	4'-0"	6"	9"	8"	14900	20500	8'



1900 Rilling Road San Antonio, TX 78214
 Phone: (210) 923-4523 Fax: (210) 921-0473

BC-TYP1

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www.oldcastlesanantonio.com

TYPE 1 BOX CULVERT

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