


DIMENSIONS						REINFORCING STEEL																										
SPAN	HGHT	T1	T2	T3	T4	BH1			BH2			BH3			BH4			BV1			BV2											
(FT.)	(FT.)	TOP SLAB	BOTTOM SLAB	EXTERIOR WALL (IN.)	INTERIOR WALL (IN.)	A	B	C	D	E	F	SIZE	SPACING C-C	LENGTH	SIZE	SPACING C-C	LENGTH	SIZE	SPACING C-C	a	LENGTH	SIZE	SPACING C-C	a	b	LENGTH	SIZE	SPACING C-C	LENGTH	SIZE	SPACING C-C	LENGTH
3	3	8"	8"	8"	8"	6	6'-0"	6	6'-0"	1	1'-0"	4	12"	6'-7"	4	12"	7'-8"	4	12"	2'-2"	4'-0"	4	12"	2'-4"	2'-9"	4'-9"	4	12"	4'-0"	4	12"	4'-0"
3	4	8"	8"	8"	8"	6	6'-0"	6	6'-0"	2	2'-0"	4	12"	6'-7"	4	12"	7'-8"	3	12"	2'-4"	4'-5"	4	12"	2'-4"	3'-3"	5'-3"	4	12"	5'-0"	4	12"	5'-0"
4	3	10"	10"	8"	8"	8	8'-0"	8	8'-0"	1	1'-0"	4	12"	8'-7"	4	12"	9'-8"	--	---	----	----	4	12"	2'-4"	2'-10"	4'-11"	4	12"	4'-3"	4	12"	4'-3"
4	4	10"	10"	8"	8"	8	8'-0"	8	8'-0"	2	2'-0"	4	12"	8'-7"	4	12"	9'-8"	--	---	----	----	4	12"	2'-4"	3'-4"	5'-5"	4	12"	5'-3"	4	12"	5'-3"
4	5	10"	10"	8"	8"	8	8'-0"	8	8'-0"	3	3'-0"	4	12"	8'-7"	4	12"	9'-8"	--	---	----	----	4	12"	2'-4"	3'-10"	5'-11"	4	12"	6'-3"	4	12"	6'-3"
4	6	10"	10"	8"	8"	8	8'-0"	8	8'-0"	4	4'-0"	4	12"	8'-7"	4	12"	9'-8"	3	12"	2'-11"	5'-7"	4	12"	2'-4"	4'-4"	6'-5"	5	12"	7'-3"	4	12"	7'-3"
5	3	12 1/2"	12 1/2"	8"	8"	10	10'-0"	10	10'-0"	1	1'-0"	4	11"	10'-7"	4	11"	11'-8"	--	---	----	----	4	11"	2'-4"	3'-1"	5'-1"	4	12"	4'-9"	4	12"	4'-9"
5	4	12 1/2"	12 1/2"	8"	8"	10	10'-0"	10	10'-0"	2	2'-0"	4	11"	10'-7"	4	11"	11'-8"	--	---	----	----	4	11"	2'-4"	3'-7"	5'-7"	4	12"	5'-9"	4	12"	5'-9"
5	5	12 1/2"	12 1/2"	8"	8"	10	10'-0"	10	10'-0"	3	3'-0"	4	11"	10'-7"	4	11"	11'-8"	--	---	----	----	4	11"	2'-4"	4'-1"	6'-1"	4	12"	6'-9"	4	12"	6'-9"
5	6	12 1/4"	12 1/4"	8"	8"	10	10'-0"	10	10'-0"	4	4'-0"	4	11"	10'-7"	4	11"	11'-8"	3	11"	3'-1"	5'-11"	4	11"	2'-4"	4'-7"	6'-7"	5	12"	7'-8"	4	12"	7'-8"
5	7	12 1/4"	12 1/4"	8"	8"	10	10'-0"	10	10'-0"	5	5'-0"	4	11"	10'-7"	4	11"	11'-8"	4	11"	3'-4"	6'-3"	4	11"	2'-4"	5'-1"	7'-1"	5	8"	8'-8"	4	12"	8'-8"
6	4	14 1/2"	14 1/2"	8"	8"	12	12'-0"	12	12'-0"	2	2'-0"	4	9"	12'-7"	4	9"	13'-8"	--	---	----	----	4	9"	2'-4"	3'-9"	5'-9"	4	12"	6'-0"	4	12"	6'-0"
6	5	14 1/2"	14 1/2"	8"	8"	12	12'-0"	12	12'-0"	3	3'-0"	4	9"	12'-7"	4	9"	13'-8"	--	---	----	----	4	9"	2'-4"	4'-3"	6'-3"	4	12"	7'-0"	4	12"	7'-0"
6	6	14 1/4"	14 1/4"	8"	8"	12	12'-0"	12	12'-0"	4	4'-0"	4	9"	12'-7"	4	9"	13'-8"	--	---	----	----	4	9"	2'-4"	4'-9"	6'-9"	5	12"	8'-0"	4	12"	8'-0"
6	7	14 1/4"	14 1/4"	8"	8"	12	12'-0"	12	12'-0"	5	5'-0"	4	9"	12'-7"	4	9"	13'-8"	3	9"	3'-6"	6'-8"	4	9"	2'-4"	5'-3"	7'-3"	5	8"	9'-0"	4	12"	9'-0"
6	8	14 1/4"	14 1/4"	8 1/2"	8"	12	12'-0"	12	12'-0"	6	6'-0"	4	9"	12'-5"	4	9"	13'-9"	--	---	----	----	5	9"	2'-6"	5'-11"	8'-0"	5	6"	10'-0"	4	12"	10'-0"
7	4	16 1/2"	16 1/2"	8"	8"	14	14'-0"	14	14'-0"	2	2'-0"	5	8"	14'-7"	4	8"	15'-8"	--	---	----	----	4	8"	2'-9"	3'-11"	6'-4"	4	12"	6'-5"	4	11"	6'-5"
7	6	16 1/4"	16 1/4"	8"	8"	14	14'-0"	14	14'-0"	4	4'-0"	5	9"	14'-7"	4	9"	15'-8"	--	---	----	----	4	9"	2'-9"	4'-11"	7'-4"	5	12"	8'-4"	4	11"	8'-4"
7	8	16 1/4"	16 1/4"	8"	8"	14	14'-0"	14	14'-0"	6	6'-0"	5	9"	14'-7"	5	9"	15'-8"	3	9"	3'-10"	7'-5"	4	9"	2'-9"	5'-11"	8'-4"	5	6"	10'-4"	4	11"	10'-4"
7	10	16 1/4"	16 1/4"	10 1/2"	8"	14	14'-0"	14	14'-0"	8	8'-0"	5	9"	14'-9"	5	9"	16'-0"	3	9"	4'-3"	8'-3"	5	9"	2'-11"	7'-1"	9'-7"	6	9"	12'-4"	4	11"	12'-4"
8	4	18 1/2"	18 1/2"	8"	8"	16	16'-0"	16	16'-0"	2	2'-0"	6	9"	16'-7"	5	9"	17'-8"	--	---	----	----	4	9"	3'-2"	4'-1"	6'-11"	4	12"	6'-9"	4	10"	6'-9"
8	6	18 1/2"	18 1/2"	8"	8"	16	16'-0"	16	16'-0"	4	4'-0"	6	9"	16'-7"	5	9"	17'-8"	--	---	----	----	4	9"	3'-2"	5'-1"	7'-11"	5	12"	8'-9"	4	10"	8'-9"
8	8	18 3/4"	18 3/4"	8 1/2"	8"	16	16'-0"	16	16'-0"	6	6'-0"	6	9"	16'-5"	5	9"	17'-9"	--	---	----	----	5	9"	3'-4"	6'-3"	9'-2"	5	6"	10'-9"	4	10"	10'-9"
8	10	18 1/2"	18 1/2"	10 1/2"	8"	16	16'-0"	16	16'-0"	8	8'-0"	6	9"	16'-6"	5	9"	18'-0"	--	---	----	----	6	9"	3'-5"	7'-5"	10'-5"	4	4"	12'-9"	4	10"	12'-9"
9	4	20 1/2"	20 1/2"	8"	8"	18	18'-0"	18	18'-0"	2	2'-0"	6	9"	18'-7"	5	9"	19'-8"	--	---	----	----	4	9"	3'-2"	4'-3"	7'-1"	4	12"	7'-0"	4	10"	7'-0"
9	6	20 1/2"	20 1/2"	8"	8"	18	18'-0"	18	18'-0"	4	4'-0"	6	9"	18'-7"	5	9"	19'-8"	--	---	----	----	4	9"	3'-2"	5'-3"	8'-1"	5	12"	9'-0"	4	10"	9'-0"
9	8	20 1/4"	20 1/4"	8"	8"	18	18'-0"	18	18'-0"	6	6'-0"	6	9"	18'-7"	5	9"	19'-8"	3	9"	4'-2"	8'-1"	4	9"	3'-2"	6'-3"	9'-1"	5	6"	11'-0"	4	10"	11'-0"
9	10	20"	20"	11"	8"	18	18'-0"	18	18'-0"	8	8'-0"	6	9"	18'-10"	5	9"	20'-2"	3	9"	4'-6"	8'-10"	5	9"	3'-4"	7'-4"	10'-4"	4	4"	13'-0"	4	10"	13'-0"
9	12	20 1/2"	20 1/2"	13"	8"	18	18'-0"	18	18'-0"	10	10'-0"	6	9"	18'-11"	5	9"	20'-6"	3	9"	5'-0"	9'-9"	6	9"	3'-5"	8'-7"	11'-7"	6	7 1/2"	15'-0"	4	10"	15'-0"
10	4	22 3/4"	22 3/4"	8"	8"	20	20'-0"	20	20'-0"	2	2'-0"	6	8"	20'-7"	5	8"	21'-8"	--	---	----	----	4	8"	3'-2"	4'-5"	7'-4"	4	12"	7'-5"	4	10"	7'-5"
10	6	22 3/4"	22 3/4"	8"	8"	20	20'-0"	20	20'-0"	4	4'-0"	6	8"	20'-7"	5	8"	21'-8"	--	---	----	----	4	8"	3'-2"	5'-5"	8'-4"	5	11 1/2"	9'-5"	4	10"	9'-5"
10	8	22 1/2"	22 1/2"	8"	8"	20	20'-0"	20	20'-0"	6	6'-0"	6	8"	20'-7"	5	8"	21'-8"	3	8"	4'-4"	8'-6"	4	8"	3'-2"	6'-5"	9'-3"	6	9"	11'-5"	4	10"	11'-5"
10	10	22 1/4"	22 1/4"	10"	8"	20	20'-0"	20	20'-0"	8	8'-0"	6	8"	20'-8"	5	8"	22'-0"	3	8"	4'-9"	9'-3"	5	8"	3'-4"	7'-7"	10'-6"	5	6"	13'-4"	4	10"	13'-4"
10	12	22 1/4"	22 1/4"	12 1/2"	8"	20	20'-0"	20	20'-0"	10	10'-0"	7	9"	20'-10"	6	9"	22'-5"	3	9"	5'-2"	10'-0"	6	9"	4'-1"	8'-9"	12'-5"	6	7 1/2"	15'-4"	4	10"	15'-4"
12	6	27 1/2"	27 1/2"	8"	8"	24	24'-0"	24	24'-0"	4	4'-0"	7	9"	24'-7"	6	9"	25'-8"	--	---	----	----	4	9"	3'-10"	5'-10"	9'-4"	5	10"	10'-3"	4	8 1/2"	10'-3"
12	8	27"	27"	8"	8"	24	24'-0"	24	24'-0"	6	6'-0"	7	9"	24'-7"	6	9"	25'-8"	3	9"	4'-9"	9'-3"	4	9"	3'-10"	6'-9"	10'-4"	5	5 1/2"	12'-2"	4	8 1/2"	12'-2"
12	10	27"	27"	9 1/2"	8"	24	24'-0"	24	24'-0"	8	8'-0"	7	9"	24'-7"	6	9"	25'-11"	3	9"	5'-1"	10'-0"	5	9"	4'-0"	8'-0"	11'-7"	7	8"	14'-2"	4	8 1/2"	14'-2"
12	12	26 3/4"	26 3/4"	12"	8"	24	24'-0"	24	24'-0"	10	10'-0"	7	9"	24'-9"	6	9"	26'-3"	3	9"	5'-6"	10'-9"	6	9"	4'-1"	9'-1"	12'-9"	5	5"	16'-1"	4	8 1/2"	16'-1"

A COPY OF THE ORIGINAL SEALED AND SIGNED DRAWING IS ON FILE IN THE CENTRAL OFFICE.

 ROAD AND BRIDGE STANDARDS	
SHEET 1 OF 2	REVISION DATE
1003.15	07/11

**DOUBLE BOX CULVERTS**  
**30 TO 40 FT. FILLS**  
 VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE