

DIMENSIONS						REINFORCING STEEL																										
SPAN (FT.)	HGHT (FT.)	T1 TOP SLAB	T2 BOTTOM SLAB	T3 EXTERIOR WALL (IN.)	T4 INTERIOR WALL (IN.)	A	B	C	D	E	F	BH1		BH2		BH3		BH4			BV1		BV2									
												SIZE	SPACING O-C	LENGTH	SIZE	SPACING O-C	LENGTH	SIZE	SPACING O-C	a	LENGTH	SIZE	SPACING O-C	a	b	LENGTH	SIZE	SPACING O-C	LENGTH	SIZE	SPACING O-C	LENGTH
3	3	8"	8"	8"	8"	13	13'-0"	13	13'-0"	1	1'-0"	4	12"	14'-10"	4	12"	15'-0"	--	--	----	----	4	12"	2'-11/4"	2'-8"	4'-6"	4	12"	4'-0"	4	12"	4'-0"
3	4	8"	8"	8"	8"	13	13'-0"	13	13'-0"	2	2'-0"	4	12"	14'-10"	4	12"	15'-0"	--	--	----	----	4	12"	2'-11/4"	3'-2"	5'-0"	4	12"	5'-0"	4	12"	5'-0"
4	3	8 1/2"	8 1/2"	8"	8"	17	17'-0"	17	17'-0"	1	1'-0"	4	12"	18'-5"	4	12"	19'-0"	--	--	----	----	4	12"	2'-3 3/8"	2'-8 1/2"	4'-9"	4	12"	4'-1"	4	12"	4'-1"
4	4	8 1/2"	8 1/2"	8"	8"	17	17'-0"	17	17'-0"	2	2'-0"	4	12"	18'-5"	4	12"	19'-0"	--	--	----	----	4	12"	2'-3 3/8"	3'-2 1/2"	5'-3"	4	12"	5'-1"	4	12"	5'-1"
4	5	8 1/2"	8 1/2"	8"	8"	17	17'-0"	17	17'-0"	3	3'-0"	4	12"	18'-5"	4	12"	19'-0"	--	--	----	----	4	12"	2'-3 3/8"	3'-8 1/2"	5'-9"	4	12"	6'-1"	4	12"	6'-1"
4	6	8 1/2"	8 1/2"	8"	8"	17	17'-0"	17	17'-0"	4	4'-0"	4	12"	18'-5"	4	12"	19'-0"	--	--	----	----	4	12"	2'-3 3/8"	4'-2 1/2"	6'-3"	4	12"	7'-1"	4	12"	7'-1"
5	3	10 1/4"	10 1/4"	8"	8"	21	21'-0"	21	21'-0"	1	1'-0"	4	12"	22'-0"	4	12"	23'-0"	3	12"	2'-6"	4'-10"	4	12"	2'-6"	2'-10 1/4"	5'-1"	4	12"	4'-5"	4	12"	4'-5"
5	4	10"	10"	8"	8"	21	21'-0"	21	21'-0"	2	2'-0"	4	12"	22'-0"	4	12"	23'-0"	3	12"	2'-6"	4'-10"	4	12"	2'-6"	3'-4"	5'-7"	4	12"	5'-4"	4	12"	5'-4"
5	5	10 1/4"	10 1/4"	8"	8"	21	21'-0"	21	21'-0"	3	3'-0"	4	12"	22'-0"	4	12"	23'-0"	3	12"	2'-6"	4'-10"	4	12"	2'-6"	3'-10 1/4"	6'-1"	4	12"	6'-5"	4	12"	6'-5"
5	6	10"	10"	8"	8"	21	21'-0"	21	21'-0"	4	4'-0"	4	12"	22'-0"	4	12"	23'-0"	4	12"	2'-6"	4'-9"	4	12"	2'-6"	4'-4"	6'-7"	4	12"	7'-4"	4	12"	7'-4"
5	7	10"	10"	8"	8"	21	21'-0"	21	21'-0"	5	5'-0"	4	12"	22'-0"	4	12"	23'-0"	4	12"	2'-6"	4'-9"	4	12"	2'-6"	4'-10"	7'-1"	4	12"	8'-4"	4	12"	8'-4"
6	4	12"	12"	8"	8"	25	25'-0"	25	25'-0"	2	2'-0"	4	10"	25'-7"	4	10"	27'-0"	--	--	----	----	4	10"	2'-8 3/8"	3'-6"	5'-11"	4	12"	5'-8"	4	12"	5'-8"
6	5	12 1/4"	12 1/4"	8"	8"	25	25'-0"	25	25'-0"	3	3'-0"	4	10"	25'-7"	4	10"	27'-0"	--	--	----	----	4	10"	2'-8 3/8"	4'-1/4"	6'-5"	4	12"	6'-9"	4	12"	6'-9"
6	6	11 1/2"	11 1/2"	8"	8"	25	25'-0"	25	25'-0"	4	4'-0"	4	10"	25'-7"	4	10"	27'-0"	--	--	----	----	4	10"	2'-8 3/8"	4'-5 1/2"	6'-11"	4	12"	7'-7"	4	12"	7'-7"
6	7	11 1/2"	11 1/2"	8"	8"	25	25'-0"	25	25'-0"	5	5'-0"	4	10"	25'-7"	4	10"	27'-0"	3	10"	2'-8 3/8"	5'-2"	4	10"	2'-8 3/8"	4'-11 1/2"	7'-5"	4	12"	8'-7"	4	12"	8'-7"
6	8	11 3/4"	11 3/4"	8"	8"	25	25'-0"	25	25'-0"	6	6'-0"	4	10"	25'-7"	4	10"	27'-0"	--	--	----	----	5	10"	2'-8 3/8"	5'-5 3/4"	7'-10"	4	8 1/2"	9'-8"	4	12"	9'-8"
7	4	13 1/4"	13 1/4"	8"	8"	29	29'-0"	29	29'-0"	2	2'-0"	4	9"	29'-2"	4	9"	31'-0"	--	--	----	----	4	9"	2'-10 3/4"	3'-7 1/4"	6'-3"	4	12"	5'-10"	4	12"	5'-10"
7	6	13 1/4"	13 1/4"	8"	8"	29	29'-0"	29	29'-0"	4	4'-0"	4	9"	29'-2"	5	9"	31'-0"	--	--	----	----	4	9"	2'-10 3/4"	4'-7 1/4"	7'-3"	4	12"	7'-10"	4	12"	7'-10"
7	8	13 1/4"	13 1/4"	8"	8"	29	29'-0"	29	29'-0"	6	6'-0"	4	9"	29'-2"	5	9"	31'-0"	3	9"	2'-10 3/4"	5'-7"	4	9"	2'-10 3/4"	5'-7 1/4"	8'-3"	4	9"	9'-10"	4	12"	9'-10"
7	10	13 1/4"	13 1/4"	8"	8"	29	29'-0"	29	29'-0"	8	8'-0"	4	9"	29'-2"	5	9"	31'-0"	3	9"	2'-10 3/4"	5'-7"	5	9"	2'-10 3/4"	6'-7 1/4"	9'-2"	5	8"	11'-10"	4	12"	11'-10"
8	4	15"	15"	8"	8"	33	33'-0"	33	33'-0"	2	2'-0"	5	9"	32'-10"	5	9"	35'-0"	--	--	----	----	4	9"	3'-1 1/4"	3'-9"	6'-7"	4	12"	6'-2"	4	12"	6'-2"
8	6	15"	15"	8"	8"	33	33'-0"	33	33'-0"	4	4'-0"	5	9"	32'-10"	5	9"	35'-0"	--	--	----	----	4	9"	3'-1 1/4"	4'-9"	7'-7"	4	12"	8'-2"	4	12"	8'-2"
8	8	15 1/4"	15 1/4"	8"	8"	33	33'-0"	33	33'-0"	6	6'-0"	5	9"	32'-10"	5	9"	35'-0"	3	9"	3'-1 1/4"	6'-0"	4	9"	3'-1 1/4"	5'-9 1/4"	8'-7"	4	9"	10'-3"	4	12"	10'-3"
8	10	15"	15"	8"	8"	33	33'-0"	33	33'-0"	8	8'-0"	5	9"	32'-10"	5	9"	35'-0"	3	9"	3'-1 1/4"	6'-0"	5	9"	3'-1 1/4"	6'-9"	9'-6"	6	11 1/2"	12'-2"	4	12"	12'-2"
9	4	17"	17"	8"	8"	37	37'-0"	37	37'-0"	2	2'-0"	6	9"	36'-5"	5	9"	39'-0"	--	--	----	----	4	9"	3'-3 3/8"	3'-11"	6'-11"	4	12"	6'-6"	4	12"	6'-6"
9	6	17"	17"	8"	8"	37	37'-0"	37	37'-0"	4	4'-0"	6	9"	36'-5"	5	9"	39'-0"	--	--	----	----	4	9"	3'-3 3/8"	4'-11"	7'-11"	4	12"	8'-6"	4	12"	8'-6"
9	8	17"	17"	8"	8"	37	37'-0"	37	37'-0"	6	6'-0"	6	9"	36'-5"	5	9"	39'-0"	--	--	----	----	5	9"	3'-3 3/8"	5'-11"	8'-11"	4	9"	10'-6"	4	12"	10'-6"
9	10	17"	17"	8"	8"	37	37'-0"	37	37'-0"	8	8'-0"	5	9"	36'-5"	5	9"	39'-0"	--	--	----	----	6	9"	3'-3 3/8"	6'-11"	9'-10"	5	8"	12'-6"	4	12"	12'-6"
9	12	17"	17"	8 1/2"	8"	37	37'-0"	37	37'-0"	10	10'-0"	5	9"	36'-5"	5	9"	39'-1"	--	--	----	----	7	9"	3'-4 1/8"	7'-11"	10'-10"	5	5 1/2"	14'-6"	4	12"	14'-6"
10	4	18 1/2"	18 1/2"	8"	8"	41	41'-0"	41	41'-0"	2	2'-0"	6	9"	40'-0"	5	9"	43'-0"	--	--	----	----	4	9"	3'-6"	4'-1/2"	7'-3"	4	12"	6'-9"	4	10 1/2"	6'-9"
10	6	18 1/2"	18 1/2"	8"	8"	41	41'-0"	41	41'-0"	4	4'-0"	6	9"	40'-0"	6	9"	43'-0"	--	--	----	----	4	9"	3'-6"	5'-1/2"	8'-3"	4	12"	8'-9"	4	10 1/2"	8'-9"
10	8	18 3/4"	18 3/4"	8"	8"	41	41'-0"	41	41'-0"	6	6'-0"	6	9"	40'-0"	5	9"	43'-0"	3	9"	3'-6"	6'-10"	4	9"	3'-6"	6'-3/4"	9'-4"	4	9"	10'-9"	4	11"	10'-9"
10	10	18 3/4"	18 3/4"	8"	8"	41	41'-0"	41	41'-0"	8	8'-0"	6	9"	40'-0"	5	9"	43'-0"	3	9"	3'-6"	6'-10"	5	9"	3'-6"	7'-3/4"	10'-3"	4	5"	12'-9"	4	11"	12'-9"
10	12	18 3/4"	18 3/4"	8 1/2"	8"	41	41'-0"	41	41'-0"	10	10'-0"	6	9"	40'-0"	6	9"	43'-1"	4	9"	3'-6 1/2"	6'-10"	6	9"	3'-6 1/2"	8'-3/4"	11'-2"	5	5 1/2"	14'-9"	4	11"	14'-9"
12	6	21 3/4"	21 3/4"	8"	8"	49	49'-0"	49	49'-0"	4	4'-0"	6	8"	47'-2"	6	8"	51'-0"	--	--	----	----	4	8"	3'-10 3/4"	5'-3 3/4"	8'-11"	4	12"	9'-3"	4	10"	9'-3"
12	8	21 3/4"	21 3/4"	8"	8"	49	49'-0"	49	49'-0"	6	6'-0"	6	8"	47'-2"	6	8"	51'-0"	3	8"	3'-10 3/4"	7'-7"	4	8"	3'-10 3/4"	6'-3 3/4"	9'-11"	4	8 1/2"	11'-3"	4	10"	11'-3"
12	10	21 3/4"	21 3/4"	8"	8"	49	49'-0"	49	49'-0"	8	8'-0"	6	8"	47'-2"	6	8"	51'-0"	3	8"	3'-10 3/4"	7'-7"	5	8"	3'-10 3/4"	7'-3 3/4"	10'-11"	4	5"	13'-3"	4	10"	13'-3"
12	12	21 3/4"	21 3/4"	8 1/2"	8"	49	49'-0"	49	49'-0"	10	10'-0"	6	8"	47'-2"	6	8"	51'-1"	4	8"	3'-11 1/4"	7'-7"	5	8"	3'-11 1/4"	8'-3 3/4"	11'-11"	5	5 1/2"	15'-3"	4	10"	15'-3"

FOR TYPICAL SECTION, NOTES AND OTHER DETAILS, REFER TO STANDARD BCQ-DT.

**VDOT**  
ROAD AND BRIDGE STANDARDS

SHEET 1 OF 2	REVISION DATE
1005.16	

**QUADRUPLE BOX CULVERTS**  
25 TO 30 FT. FILLS  
VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE