

DIMENSIONS								REINFORCING STEEL																											
SPAN	HGHT	T1	T2	T3	T4	A	B	C	D	E	F	BH1			BH2			BH3			BH4			BV1			BV2								
(FT.)	(FT.)	TOP SLAB	BOTTOM SLAB	EXTERIOR WALL (IN.)	INTERIOR WALL (IN.)							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"	13	13'- 0"	13	13'- 0"	1	1'- 0"	4	12"	14'-10"	4	12"	15'- 0"	--	---	----	----	4	12"	2'- 1 1/4"	2'- 8"	4'- 6"	4	12"	4'- 0"	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'- 1 1/4"	3'- 2"	5'- 0"	4	12"	5'- 0"	4	12"	5'- 0"	4	12"	5'- 0"
4	3	8"	8"	8"	8"	17	17'- 0"	17	17'- 0"	1	1'- 0"	4	12"	18'- 5"	4	12"	19'- 0"	--	---	----	----	4	12"	2'- 3 5/8"	2'- 8"	4'- 8"	4	12"	4'- 0"	4	12"	4'- 0"	4	12"	4'- 0"
4	4	8"	8"	8"	8"	17	17'- 0"	17	17'- 0"	2	2'- 0"	4	12"	18'- 5"	4	12"	19'- 0"	--	---	----	----	4	12"	2'- 3 5/8"	3'- 2"	5'- 2"	4	12"	5'- 0"	4	12"	5'- 0"	4	12"	5'- 0"
4	5	8"	8"	8"	8"	17	17'- 0"	17	17'- 0"	3	3'- 0"	4	12"	18'- 5"	4	12"	19'- 0"	--	---	----	----	4	12"	2'- 3 5/8"	3'- 8"	5'- 8"	4	12"	6'- 0"	4	12"	6'- 0"	4	12"	6'- 0"
4	6	8"	8"	8"	8"	17	17'- 0"	17	17'- 0"	4	4'- 0"	4	12"	18'- 5"	4	12"	19'- 0"	--	---	----	----	4	12"	2'- 3 5/8"	4'- 2"	6'- 2"	4	12"	7'- 0"	4	12"	7'- 0"	4	12"	7'- 0"
5	3	8 3/4"	8 3/4"	8"	8"	21	21'- 0"	21	21'- 0"	1	1'- 0"	4	12"	22'- 0"	4	12"	23'- 0"	4	12"	2'- 6"	4'- 9"	4	12"	2'- 6"	2'- 8 3/4"	5'- 0"	4	12"	4'- 2"	4	12"	4'- 2"	4	12"	4'- 2"
5	4	9"	9"	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'- 3"	5'- 6"	4	12"	5'- 2"	4	12"	5'- 2"	4	12"	5'- 2"
5	5	9"	9"	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'- 9"	6'- 0"	4	12"	6'- 2"	4	12"	6'- 2"	4	12"	6'- 2"
5	6	9"	9"	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'- 3"	6'- 6"	4	12"	7'- 2"	4	12"	7'- 2"	4	12"	7'- 2"
5	7	9 1/4"	9 1/4"	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'- 9 1/4"	7'- 0"	4	12"	8'- 2"	4	12"	8'- 2"	4	12"	8'- 2"
6	4	10 1/2"	10 1/2"	8"	8"	25	25'- 0"	25	25'- 0"	2	2'- 0"	4	11"	25'- 7"	4	11"	27'- 0"	4	11"	2'- 8 3/8"	5'- 2"	4	11"	2'- 8 3/8"	3'- 4 1/2"	5'-10"	4	12"	5'- 5"	4	12"	5'- 5"	4	12"	5'- 5"
6	5	10 1/2"	10 1/2"	8"	8"	25	25'- 0"	25	25'- 0"	3	3'- 0"	4	11"	25'- 7"	4	11"	27'- 0"	3	11"	2'- 8 3/8"	5'- 2"	4	11"	2'- 8 3/8"	3'-10 1/2"	6'- 4"	4	12"	6'- 5"	4	12"	6'- 5"	4	12"	6'- 5"
6	6	10 3/4"	10 3/4"	8"	8"	25	25'- 0"	25	25'- 0"	4	4'- 0"	4	11"	25'- 7"	4	11"	27'- 0"	3	11"	2'- 8 3/8"	5'- 2"	4	11"	2'- 8 3/8"	4'- 4 3/4"	6'-10"	4	12"	7'- 5"	4	12"	7'- 5"	4	12"	7'- 5"
6	7	10 3/4"	10 3/4"	8"	8"	25	25'- 0"	25	25'- 0"	5	5'- 0"	4	11"	25'- 7"	4	11"	27'- 0"	4	11"	2'- 8 3/8"	5'- 2"	4	11"	2'- 8 3/8"	4'-10 3/4"	7'- 4"	4	12"	8'- 5"	4	12"	8'- 5"	4	12"	8'- 5"
6	8	10 3/4"	10 3/4"	8"	8"	25	25'- 0"	25	25'- 0"	6	6'- 0"	4	11"	25'- 7"	4	11"	27'- 0"	--	---	----	----	5	11"	2'- 8 3/8"	5'- 4 3/4"	7'- 9"	4	11 1/2"	9'- 5"	4	12"	9'- 5"	4	12"	9'- 5"
7	4	12 1/4"	12 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'- 6 1/4"	6'- 2"	4	12"	5'- 9"	4	12"	5'- 9"	4	12"	5'- 9"
7	6	12 1/2"	12 1/2"	8"	8"	29	29'- 0"	29	29'- 0"	4	4'- 0"	4	9"	29'- 2"	4	9"	31'- 0"	--	---	----	----	4	9"	2'-10 3/4"	4'- 6 1/2"	7'- 2"	4	12"	7'- 9"	4	12"	7'- 9"	4	12"	7'- 9"
7	8	12 3/4"	12 3/4"	8"	8"	29	29'- 0"	29	29'- 0"	6	6'- 0"	4	9"	29'- 2"	4	9"	31'- 0"	3	9"	2'-10 3/4"	5'- 7"	4	9"	2'-10 3/4"	5'- 6 3/4"	8'- 2"	4	11 1/2"	9'- 9"	4	12"	9'- 9"	4	12"	9'- 9"
7	10	12 3/4"	12 3/4"	8"	8"	29	29'- 0"	29	29'- 0"	8	8'- 0"	4	9"	29'- 2"	4	9"	31'- 0"	3	9"	2'-10 3/4"	5'- 7"	5	9"	2'-10 3/4"	6'- 6 3/4"	9'- 2"	4	6"	11'- 9"	4	12"	11'- 9"	4	12"	11'- 9"
8	4	13 1/2"	13 1/2"	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'- 7 1/2"	6'- 6"	4	12"	5'-11"	4	12"	5'-11"	4	12"	5'-11"
8	6	13 1/2"	13 1/2"	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'- 7 1/2"	7'- 6"	4	12"	7'-11"	4	12"	7'-11"	4	12"	7'-11"
8	8	13 3/4"	13 3/4"	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'- 7 3/4"	8'- 6"	4	12"	10'- 0"	4	12"	10'- 0"	4	12"	10'- 0"
8	10	13 3/4"	13 3/4"	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'- 7 3/4"	9'- 5"	4	6"	12'- 0"	4	12"	12'- 0"	4	12"	12'- 0"
9	4	15"	15"	8"	8"	37	37'- 0"	37	37'- 0"	2	2'- 0"	5	8"	36'- 5"	5	8"	39'- 0"	--	---	----	----	4	8"	3'- 3 5/8"	3'- 9"	6'- 9"	4	12"	6'- 2"	4	12"	6'- 2"	4	12"	6'- 2"
9	6	15"	15"	8"	8"	37	37'- 0"	37	37'- 0"	4	4'- 0"	5	8"	36'- 5"	5	8"	39'- 0"	--	---	----	----	4	8"	3'- 3 5/8"	4'- 9"	7'- 9"	4	12"	8'- 2"	4	12"	8'- 2"	4	12"	8'- 2"
9	8	15 1/4"	15 1/4"	8"	8"	37	37'- 0"	37	37'- 0"	6	6'- 0"	5	8"	36'- 5"	5	8"	39'- 0"	3	8"	3'- 3 5/8"	6'- 5"	4	8"	3'- 3 5/8"	5'- 9 1/4"	8'-10"	4	12"	10'- 3"	4	12"	10'- 3"	4	12"	10'- 3"
9	10	15 1/4"	15 1/4"	8"	8"	37	37'- 0"	37	37'- 0"	8	8'- 0"	5	8"	36'- 5"	5	8"	39'- 0"	--	---	----	----	5	8"	3'- 3 5/8"	6'- 9 1/4"	9'- 9"	4	6"	12'- 3"	4	12"	12'- 3"	4	12"	12'- 3"
9	12	15 1/4"	15 1/4"	8"	8"	37	37'- 0"	37	37'- 0"	10	10'- 0"	5	9"	36'- 5"	5	9"	39'- 0"	--	---	----	----	7	9"	3'- 3 5/8"	7'- 9 1/4"	10'- 7"	5	6"	14'- 3"	4	12"	14'- 3"	4	12"	14'- 3"
10	4	16 1/2"	16 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"	3'-10 1/2"	7'- 1"	4	12"	6'- 5"	4	12"	6'- 5"	4	12"	6'- 5"
10	6	16 1/2"	16 1/2"	8"	8"	41	41'- 0"	41	41'- 0"	4	4'- 0"	6	9"	40'- 0"	5	9"	43'- 0"	--	---	----	----	4	9"	3'- 6"	4'-10 1/2"	8'- 1"	4	12"	8'- 5"	4	12"	8'- 5"	4	12"	8'- 5"
10	8	16 3/4"	16 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"	5'-10 3/4"	9'- 2"	4	12"	10'- 6"	4	12"	10'- 6"	4	12"	10'- 6"
10	10	16 3/4"	16 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"	6'-10 3/4"	10'- 1"	4	6"	12'- 6"	4	12"	12'- 6"	4	12"	12'- 6"
10	12	17"	17"	8"	8"	41	41'- 0"	41	41'- 0"	10	10'- 0"	6	9"	40'- 0"	5	9"	43'- 0"	4	9"	3'- 6"	6'- 9"	6	9"	3'- 6"	7'-11"	11'- 0"	5	6"	14'- 6"	4	12"	14'- 6"	4	12"	14'- 6"
12	6	19 3/4"	19 3/4"	8"	8"	49	49'- 0"	49	49'- 0"	4	4'- 0"	6	8"	47'- 2"	5	8"	51'- 0"	--	---	----	----	4	8"	3'-10 3/4"	5'- 1 3/4"	8'- 9"	4	12"	9'- 0"	4	10 1/2"	9'- 0"	4	10 1/2"	9'- 0"
12	8	19 3/4"	19 3/4"	8"	8"	49	49'- 0"	49	49'- 0"	6	6'- 0"	6	8"	47'- 2"	5	8"	51'- 0"	3	8"	3'-10 3/4"	7'- 7"	4	8"	3'-10 3/4"	6'- 1 3/4"	9'- 9"	4	12"	11'- 0"	4	10 1/2"	11'- 0"	4	10 1/2"	11'- 0"
12	10	19 3/4"	19 3/4"	8"	8"	49	49'- 0"	49	49'- 0"	8	8'- 0"	6	8"	47'- 2"	5	8"	51'- 0"	--	---	----	----	5	8"	3'-10 3/4"	7'- 1 3/4"	10'- 9"	4	6"	13'- 0"	4	10 1/2"	13'- 0"	4	10 1/2"	13'- 0"
12	12	20"	20"	8"	8"	49	49'- 0"	49	49'- 0"	10	10'- 0"	6	8"	47'- 2"	5	8"	51'- 0"	4	8"	3'-10 3/4"	7'- 6"	5	8"	3'-10 3/4"	8'- 2"	11'- 9"	7	11 1/2"	15'- 0"	4	10 1/2"	15'- 0"	4	10 1/2"	15'- 0"

QUADRUPLE BOX CULVERTS
20 TO 25 FT. FILLS