

REINFORCEMENT STEEL FOR 8" LID

( GRADE CONDITION )

SIZE		NO. 5 STEEL BARS								LBS.
X	Y	BAR s		BAR †		BAR u		BAR v		
		QTY.	LIN. FT.	QTY.	LIN. FT.	QTY.	LIN. FT.	QTY.	LIN. FT.	
2'-3"	1'-3"	--	--	--	--	--	--	--	--	7
	2'-0"		3'-0"	8					1'-0"	57
	2'-6"		3'-6"	10					1'-6"	71
	3'-0"	4	4'-0"	12	3'-3"	--	--	10	2'-0"	85
	3'-6"		4'-6"	14					2'-6"	99
	4'-0"		5'-0"	16					3'-0"	113
	4'-6"		5'-6"	18					3'-6"	127
	5'-0"		6'-0"	20					4'-0"	142
2'-6"	1'-3"		2'-3"	4			--	--	1'-0"	40
	2'-0"		3'-0"	8					1'-0"	70
	2'-6"	8	3'-6"	10	3'-6"	--	--	1'-6"	85	
	3'-0"		4'-0"	12				2'-0"	101	
	3'-6"		4'-6"	14				2'-6"	116	
	4'-0"		5'-0"	16				3'-0"	132	
	4'-6"		5'-6"	18				3'-6"	148	
	5'-0"		6'-0"	20				4'-0"	163	
3'-0"	1'-3"		2'-3"	4			--	--	1'-0"	42
	2'-0"		3'-0"	8					1'-0"	76
	2'-6"	8	3'-6"	10	4'-0"	--	--	1'-6"	94	
	3'-0"		4'-0"	12				2'-0"	111	
	3'-6"		4'-6"	14				2'-6"	129	
	4'-0"		5'-0"	16				3'-0"	147	
	4'-6"		5'-6"	18				3'-6"	164	
	5'-0"		6'-0"	20				4'-0"	182	
3'-6"	1'-3"		2'-3"	4			--	--	1'-0"	65
	2'-0"		3'-0"	8					1'-0"	102
	2'-6"	12	3'-6"	10	4'-6"	12	0'-11"	1'-6"	122	
	3'-0"		4'-0"	12				2'-0"	142	
	3'-6"		4'-6"	14				2'-6"	161	
	4'-0"		5'-0"	16				3'-0"	181	
	4'-6"		5'-6"	18				3'-6"	201	
	5'-0"		6'-0"	20				4'-0"	221	
4'-0"	1'-3"		2'-3"	4			--	--	1'-0"	71
	2'-0"		3'-0"	8					1'-0"	111
	2'-6"	12	3'-6"	10	5'-0"	12	1'-2"	1'-6"	133	
	3'-0"		4'-0"	12				2'-0"	155	
	3'-6"		4'-6"	14				2'-6"	177	
	4'-0"		5'-0"	16				3'-0"	199	
	4'-6"		5'-6"	18				3'-6"	221	
	5'-0"		6'-0"	20				4'-0"	243	
4'-6"	1'-3"		2'-3"	4			--	--	1'-0"	85
	2'-0"		3'-0"	8					1'-0"	129
	2'-6"	16	3'-6"	10	5'-6"	12	1'-5"	1'-6"	153	
	3'-0"		4'-0"	12				2'-0"	177	
	3'-6"		4'-6"	14				2'-6"	201	
	4'-0"		5'-0"	16				3'-0"	225	
	4'-6"		5'-6"	18				3'-6"	249	
	5'-0"		6'-0"	20				4'-0"	273	

( GRADE CONDITION )

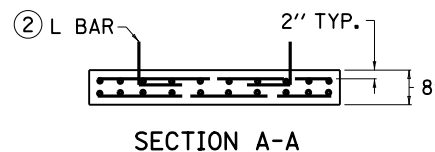
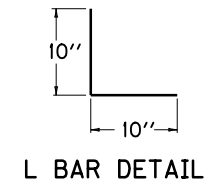
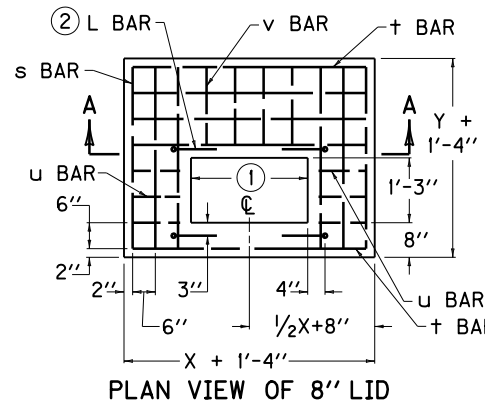
SIZE		NO. 5 STEEL BARS								LBS.	
X	Y	BAR s		BAR †		BAR u		BAR v			
		QTY.	LIN. FT.	QTY.	LIN. FT.	QTY.	LIN. FT.	QTY.	LIN. FT.		
5'-0"	1'-3"		2'-3"	4					--	--	90
	2'-0"		3'-0"	8					1'-0"	138	
	2'-6"	16	3'-6"	10	6'-0"	12	1'-8"	1'-6"	164		
	3'-0"		4'-0"	12				2'-0"	191		
	3'-6"		4'-6"	14				2'-6"	217		
	4'-0"		5'-0"	16				3'-0"	243		
	4'-6"		5'-6"	18				3'-6"	269		
	5'-0"		6'-0"	20				4'-0"	295		

REINFORCEMENT STEEL FOR 8" LID  
( SAG CONDITION )

SIZE		NO. 5 STEEL BARS								LBS.	
X	Y	BAR s		BAR †		BAR u		BAR v			
		QTY.	LIN. FT.	QTY.	LIN. FT.	QTY.	LIN. FT.	QTY.	LIN. FT.		
4'-11"	1'-3"	--	--	--	--				--	--	7
	2'-0"		3'-0"	8					1'-0"	92	
	2'-6"	4	3'-6"	10	5'-11"	--	--	1'-6"	118		
	3'-0"		4'-0"	12				2'-0"	144		
	3'-6"		4'-6"	14				2'-6"	169		
	4'-0"		5'-0"	16				3'-0"	195		
	4'-6"		5'-6"	18				3'-6"	221		
	5'-0"		6'-0"	20				4'-0"	247		

NOTES:

- DIMENSION VARIES DEPENDING UPON LOCATION OF BOX :  
GRADE CONDITION= 2'-3"  
SAG CONDITION= 4'-11"
- IN ADDITION TO THE CHARTED STEEL, FOUR L BARS ARE REQUIRED IN THE LID AND ARE INCLUDED IN THE TOTALS.
- CONCRETE QUANTITIES FOR LID ARE INCLUDED ON " DIMENSIONS AND ESTIMATE OF QUANTITIES FOR D.B.I. TYPE 13". SEE CUR. STD. DWGS. RDB-016 AND RDB-017.
- REINFORCEMENT SHALL HAVE A CLEAR DISTANCE OF 2" FROM THE OUTSIDE FACE UNLESS OTHERWISE SHOWN.



USE WITH CUR. STD. DWGS.:  
RDB-013, 014, 016, 017, 018,  
AND RDB-019

KENTUCKY  
DEPARTMENT OF HIGHWAYS

**DROP BOX INLET  
TYPE 13**  
(DETAIL & BAR CHART FOR LID)

STANDARD DRAWING NO. RDB-015-03

SUBMITTED: *John B. Sackett* 12-1-99  
DIRECTOR DIVISION OF DESIGN DATE

APPROVED: *J. M. Powell* 12-1-99  
STATE HIGHWAY ENGINEER DATE