

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"	4	3'-0"	8	3'-3"	--	--	1'-0"	57	
	2'-6"		3'-6"	10				1'-6"	71	
	3'-0"		4'-0"	12				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"		8	2'-3"				4	3'-6"	--
	2'-0"	3'-0"		8	1'-6"	70				
	2'-6"	3'-6"		10	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"	8	2'-3"	4	4'-0"	--	--	1'-0"	42	
	2'-0"		3'-0"	8				1'-0"	76	
	2'-6"		3'-6"	10				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"	12	2'-3"	4	4'-6"	12	0'-11"	1'-0"	65	
	2'-0"		3'-0"	8				1'-6"	102	
	2'-6"		3'-6"	10				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"	12	2'-3"	4	5'-0"	12	1'-2"	1'-0"	71	
	2'-0"		3'-0"	8				1'-0"	111	
	2'-6"		3'-6"	10				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"	16	2'-3"	4	5'-6"	12	1'-5"	1'-0"	85	
	2'-0"		3'-0"	8				1'-0"	129	
	2'-6"		3'-6"	10				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 )

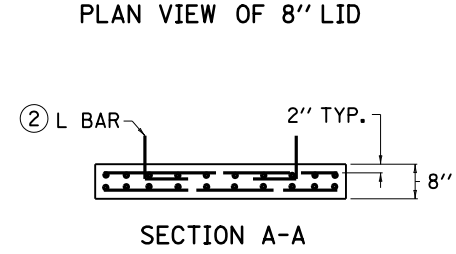
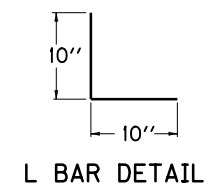
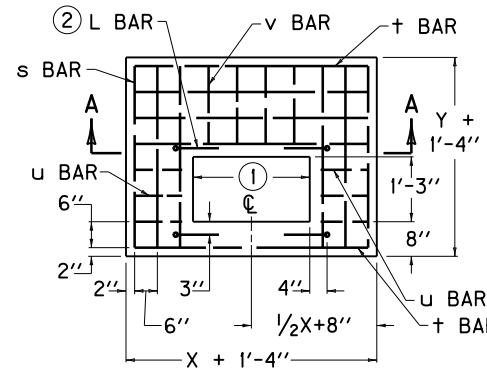
SIZE		NO. 5 STEEL BARS								LBS.	
X	Y	BAR s		BAR +		BAR u		BAR v			
		QTY.	LIN. FT.	QTY.	LIN. FT.	QTY.	LIN. FT.	QTY.	LIN. FT.		
5'-0"	1'-3"	16	2'-3"	4	6'-0"	12	1'-8"	10	--	--	90
	2'-0"		3'-0"	8					1'-0"	138	
	2'-6"		3'-6"	10					1'-6"	164	
	3'-0"		4'-0"	12					2'-0"	191	
	3'-6"		4'-6"	14					2'-6"	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"	4	3'-0"	8	5'-11"	--	--	1'-0"	92	
	2'-6"		3'-6"	10				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, RDB-014, RDB-016,  
RDB-017, RDB-018, RDB-019,

**KENTUCKY**  
**DEPARTMENT OF HIGHWAYS**

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

STANDARD DRAWING NO. RDB-015-04

SUBMITTED: *William S. Gullett* 12-01-15  
DATE: DIRECTOR, DIVISION OF DESIGN

APPROVED: *John P. Smith* 12-01-15  
DATE: STATE HIGHWAY ENGINEER