

REINFORCEMENT BARS FOR BOX INLET

BAR	BOX TYPE							
	A1	A2	A1	A2	B1	B2	B1	B2
	QTY.		LENGTH		QTY.		LENGTH	
e	10		3'-3"		9		3'-3"	
d	12		4'-3"		6		7'-5"	
f	8		1'-0"		8		1'-0"	
g	2	6	4'-6"		1	5	4'-6"	
h	0	2	0	9'-8"	0	2	0	9'-8"
j	4		3'-3"		2		7'-0"	
k	4	8	2'-0"		4	8	2'-0"	
m	6	12	4'-1"		6	12	4'-1"	

APPROX. QUANTITIES FOR INLET

TYPE	CLASS "A" CONC. CU. YDS.	STEEL LBS.
A1	3.96	153
A2	3.96	226
B1	3.89	139
B2	3.89	212

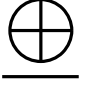
APPROX. QTYS. FOR 25' CONC. MEDIAN BARRIER^⑧

BAR a		BAR b		BAR c		BAR n		STEEL	CONC.
QTY.	LENGTH	QTY.	LENGTH	QTY.	LENGTH	QTY.	LENGTH	LBS.	CU. YDS.
5	11'-6"	16	24'-8"	16	13'-2"	8	7'-2"	753	6.33

~ NOTES ~

- ALL STEEL REINFORCEMENT BARS SHALL BE NO. 5 BARS.
- THE RATE OF INCREASE OF ADDITIONAL CLASS "A" CONCRETE PER FT. OF HEIGHT ABOVE THE MINIMUM 3'-10" SHALL BE 0.35 CU. YD.S FOR A TYPE 12 AND 0.37 CU. YDS. FOR A TYPE 14 BOX INLET.
- PLACE ALL STEEL REINFORCEMENT 2" MINIMUM FROM OUTSIDE FACE OF WALL, EXCEPT AS OTHERWISE SHOWN.
- SEE CURRENT SHEET, SHEET 006 , FOR STEEL REINFORCEMENT IN BOTTOM OF BOX WHEN H = 8'-0" TO 15'-0".
- USE CHAMBER DIMENSIONS TO BEST FIT AND EQUALLY SPACE REINFORCEMENT STEEL.
- A SYMMETRICAL WALL IS DETAILED, AN ASYMMETRICAL WALL MAY BE REQUIRED (SEE PLANS).
- 2'-6" FOR MIN. HEIGHT OF 3'-10"
- STEEL AND CONCRETE QUANTITIES ARE FOR BOTH CAST-IN-PLACE AND SLIP FORM WALL.

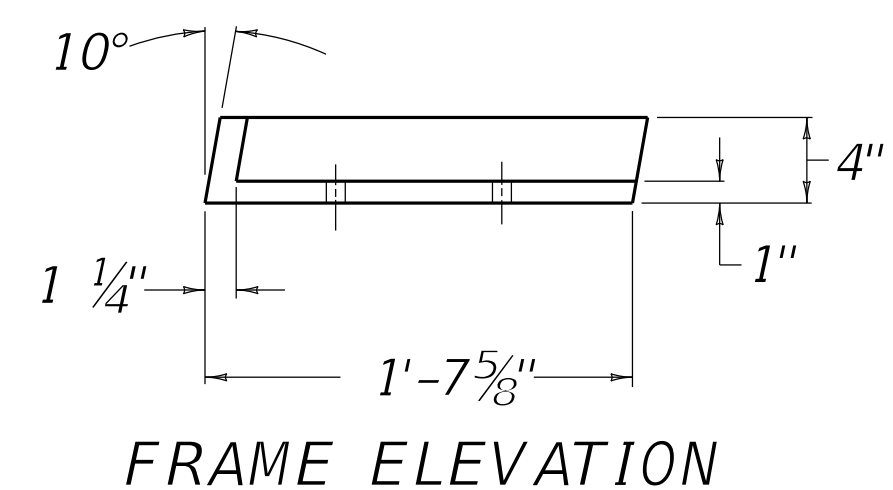
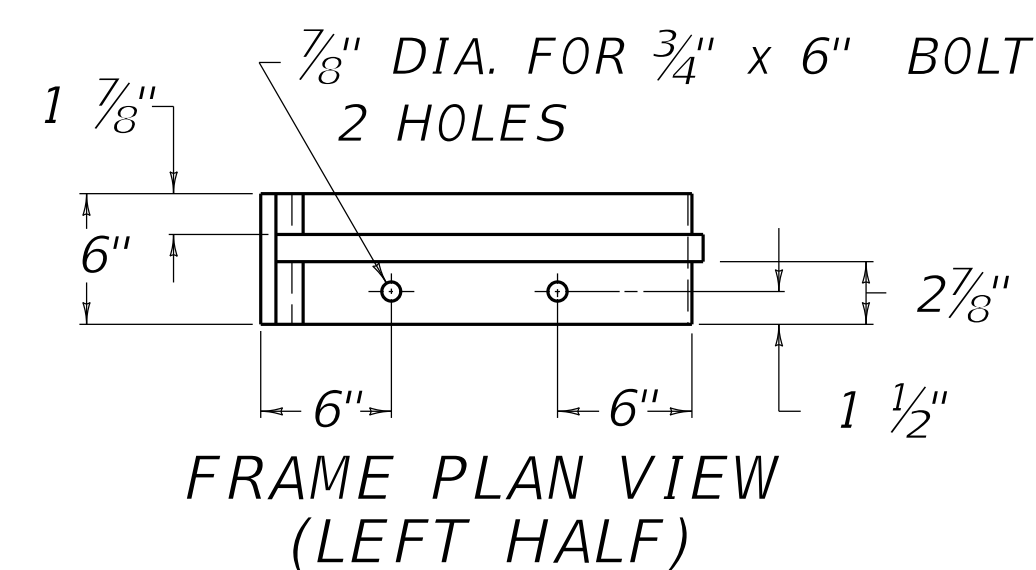
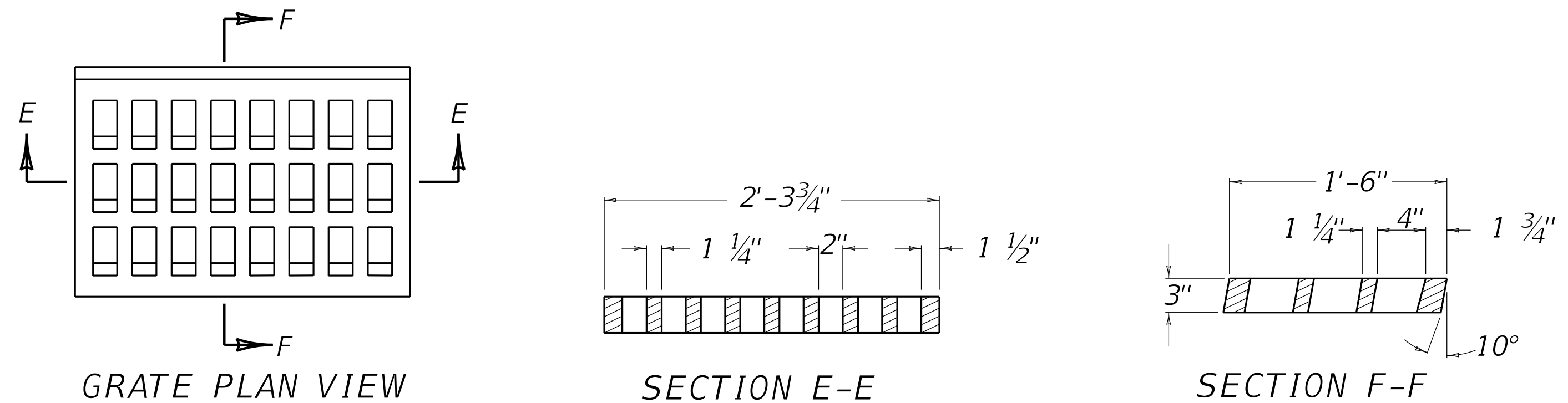
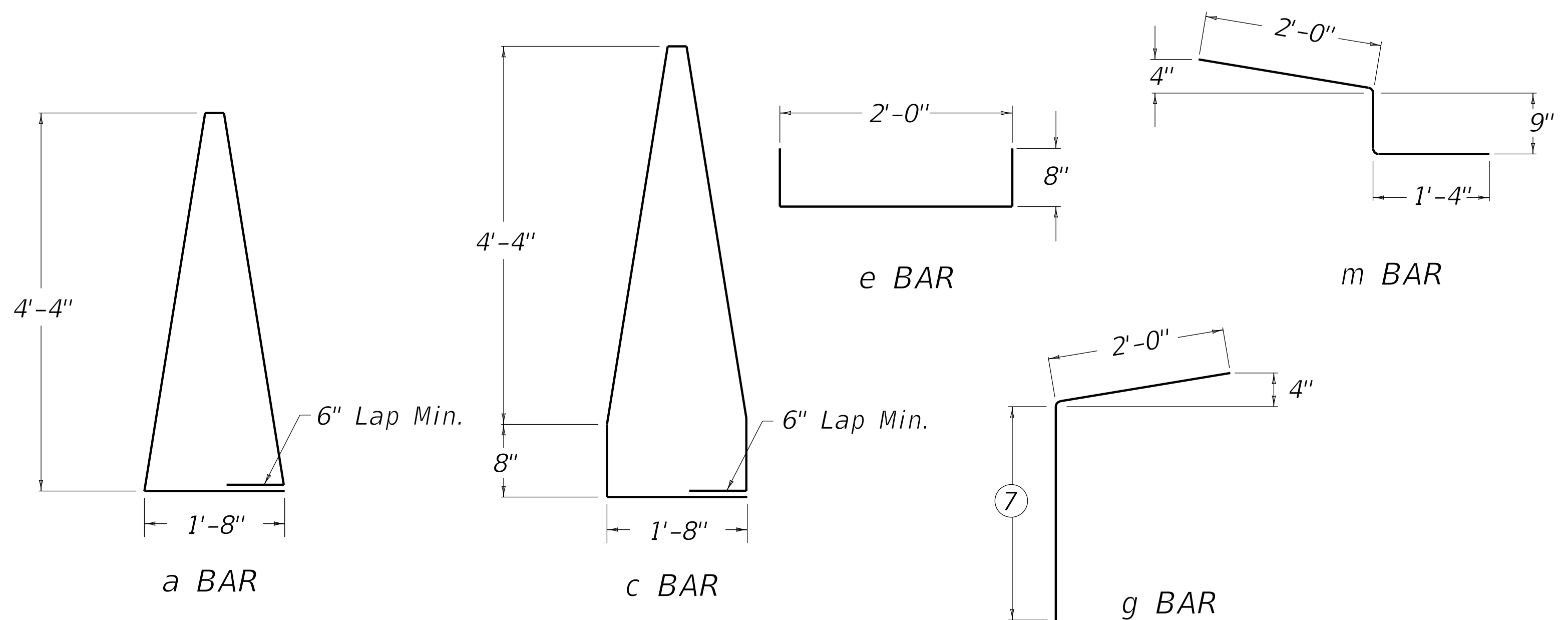
BID ITEM AND UNIT TO BID

CONC. MED BARR BOX INLET TY    TL5 56" TALL WALL EACH

 = "A" FOR SAG VERTICALS  = 1 FOR OPENING ON ONE SIDE OF BOX INLET
"B" FOR STRAIGHT GRADE 2 FOR OPENING ON BOTH SIDES OF BOX INLET

 (b) = BOTTOM PHASE
(†) = TOP PHASE
~NO (b) OR (†) SUFFIX PRESENT INDICATES COMPLETE INLET~

USE WITH CURRENT SHEETS, SHEET 006 AND SHEET 009.



REVISION DATE: 08/11/2025
REVISION NUMBER: 0

SUBMITTED *W. J. Lujan* 08-11-2025
DIVISION DIRECTOR DATE

APPROVED *John Ballinger* 08-11-2025
STATE HIGHWAY ENGINEER DATE

BARRIERS



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



CONCRETE BARRIER WALLS

SHEET 010: CONCRETE MEDIAN BARRIER BOX INLET TL5 56 IN
DETAILS

STANDARD DRAWING NUMBER
RBM-135