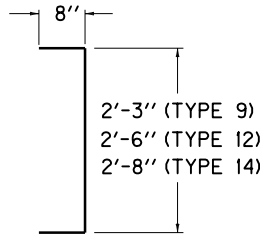
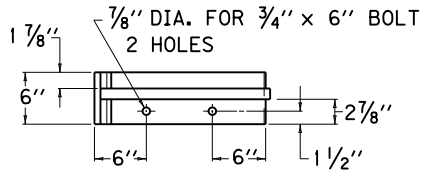


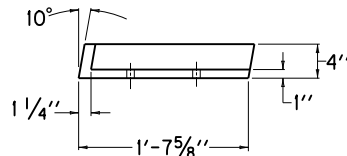
a BAR



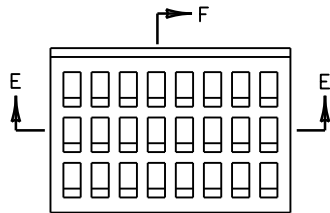
e BAR



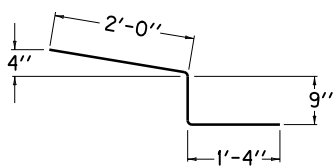
FRAME PLAN VIEW
(LEFT HALF)



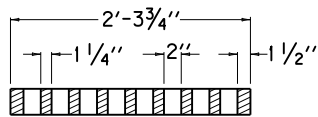
FRAME ELEVATION



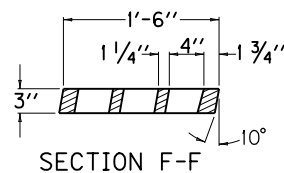
GRATE PLAN VIEW



m BAR



SECTION E-E



SECTION F-F

APPROX. QTYS. FOR 25' CONC. MEDIAN BARRIER

INLET	W	BAR a		BAR b		STEEL LBS. (2)	CONC. CU. YDS.
		QTY.	LENGTH	QTY.	LENGTH		
TYPE 9	9"	13	7'-4 1/4"	13	24'-8"	434	3.15
TYPE 12	12"	13	8'-1"	13	24'-8"	444	3.77
TYPE 14	14"	13	8'-7 1/2"	13	24'-8"	451	4.18

(2) STEEL QUANTITIES ARE FOR CAST-IN-PLACE WALL.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

THE BID ITEM SHALL BE :
CONCRETE MEDIAN BARRIER BOX INLET TYPE ☆ ⊗ ⊕ △

☆ 9, 12, OR 14 DEPENDING ON W WIDTH

⊗ = A FOR SAG VERTICALS
B FOR STRAIGHT GRADE

⊕ = 1 FOR OPENING ON ONE SIDE OF BOX INLET
2 FOR OPENING ON BOTH SIDES OF BOX INLET

△ (b) = BOTTOM PHASE (+) = TOP PHASE

NO (b) OR (+) SUFFIX INDICATES COMPLETE INLET.

MATERIAL REQUIREMENTS

ALL STEEL REINFORCEMENT BARS SHALL BE NO. 5 BARS.

THE RATE OF INCREASE OF ADDITIONAL CLASS "A" CONCRETE PER FOOT OF HEIGHT ABOVE THE MINIMUM 3'-10" SHALL BE 0.32 CUBIC YARDS FOR A TYPE 9 BOX INLET AND 0.35 CUBIC YARDS FOR A TYPE 12 AND 0.37 CUBIC YARDS FOR A TYPE 14 BOX INLET.

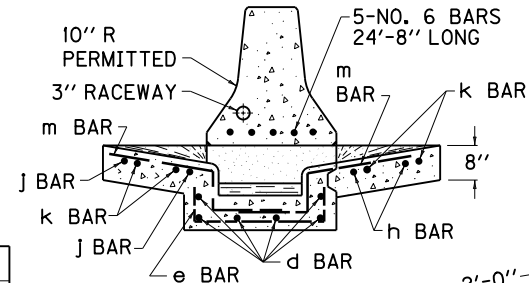
CONSTRUCTION REQUIREMENTS

PLACE ALL STEEL REINFORCEMENT 2" MINIMUM FROM OUTSIDE FACE OF WALL, EXCEPT AS OTHERWISE SHOWN.

SEE CURRENT STD. DWG. RDB-420 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).

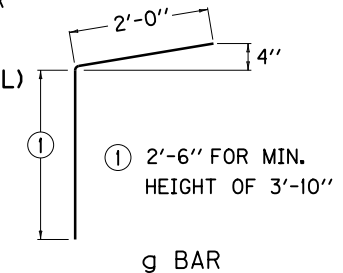


SECTION C-C
(SLIP-FORM WALL)

APPROX. QUANTITIES FOR INLET

TYPE	CLASS "A" CONC. CU. YD.	STEEL LBS.
9B 1	3.72	141
12A 1	3.96	158
12B 1	3.89	143
14A 1	4.09	159
14B 1	3.98	145

FOR APPROX. QUANTITIES FOR TYPE A2 OR B2 (ALL "W" WIDTHS) ADD 1.48 CU. YDS. CONCRETE AND 73 LBS. STEEL.



g BAR

USE WITH CUR. STD. DWGS.
RBM-001 AND RDB-230

KENTUCKY
DEPARTMENT OF HIGHWAYS
CONCRETE MEDIAN
BARRIER BOX INLET

STANDARD DRAWING NO. RDB-231-10
SUBMITTED: *David Kest* 11-21-07
DATE: DIRECTOR DIVISION OF DESIGN
APPROVED: *Newton Mathews* 11-21-07
DATE: STATE HIGHWAY ENGINEER