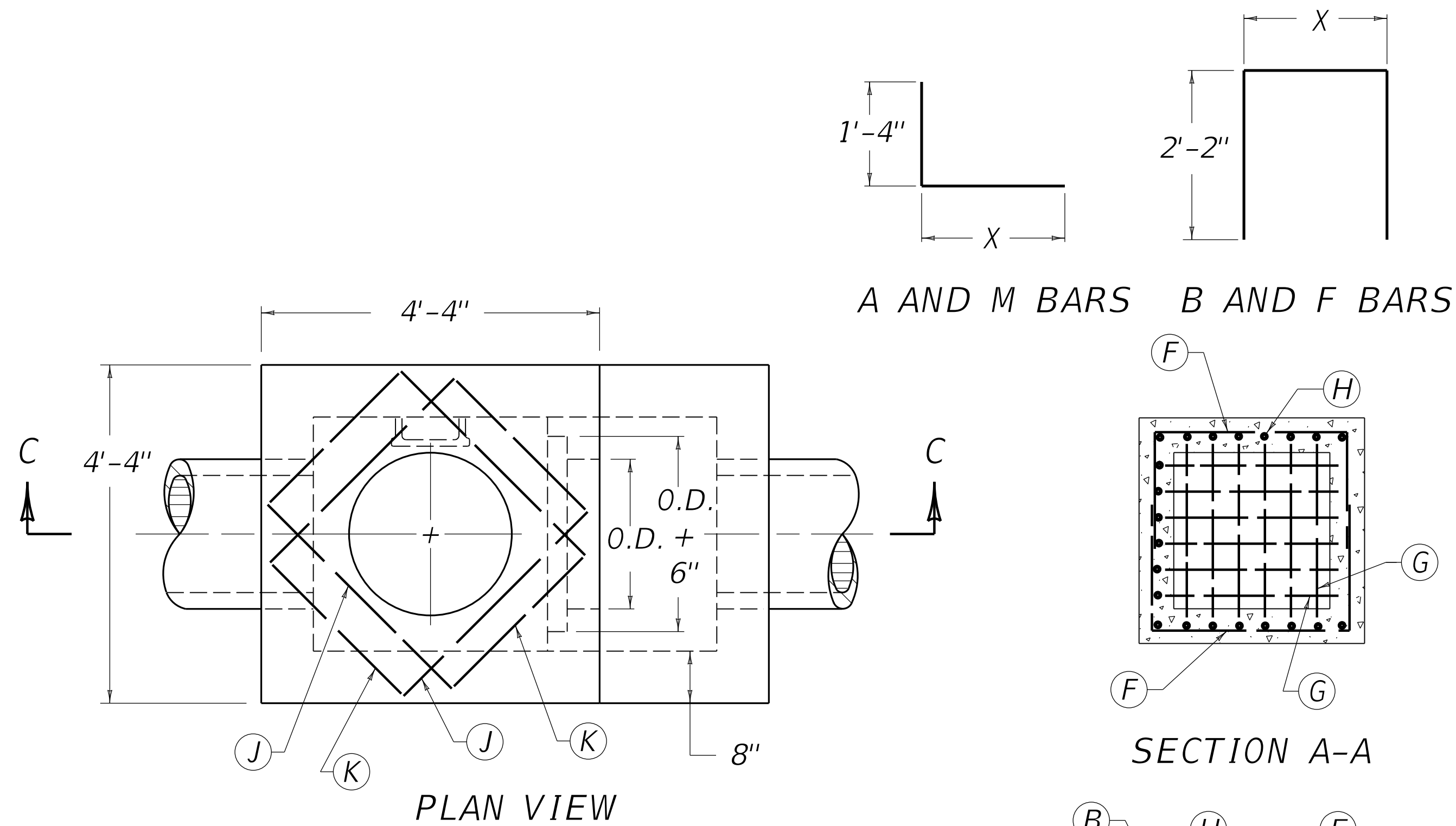
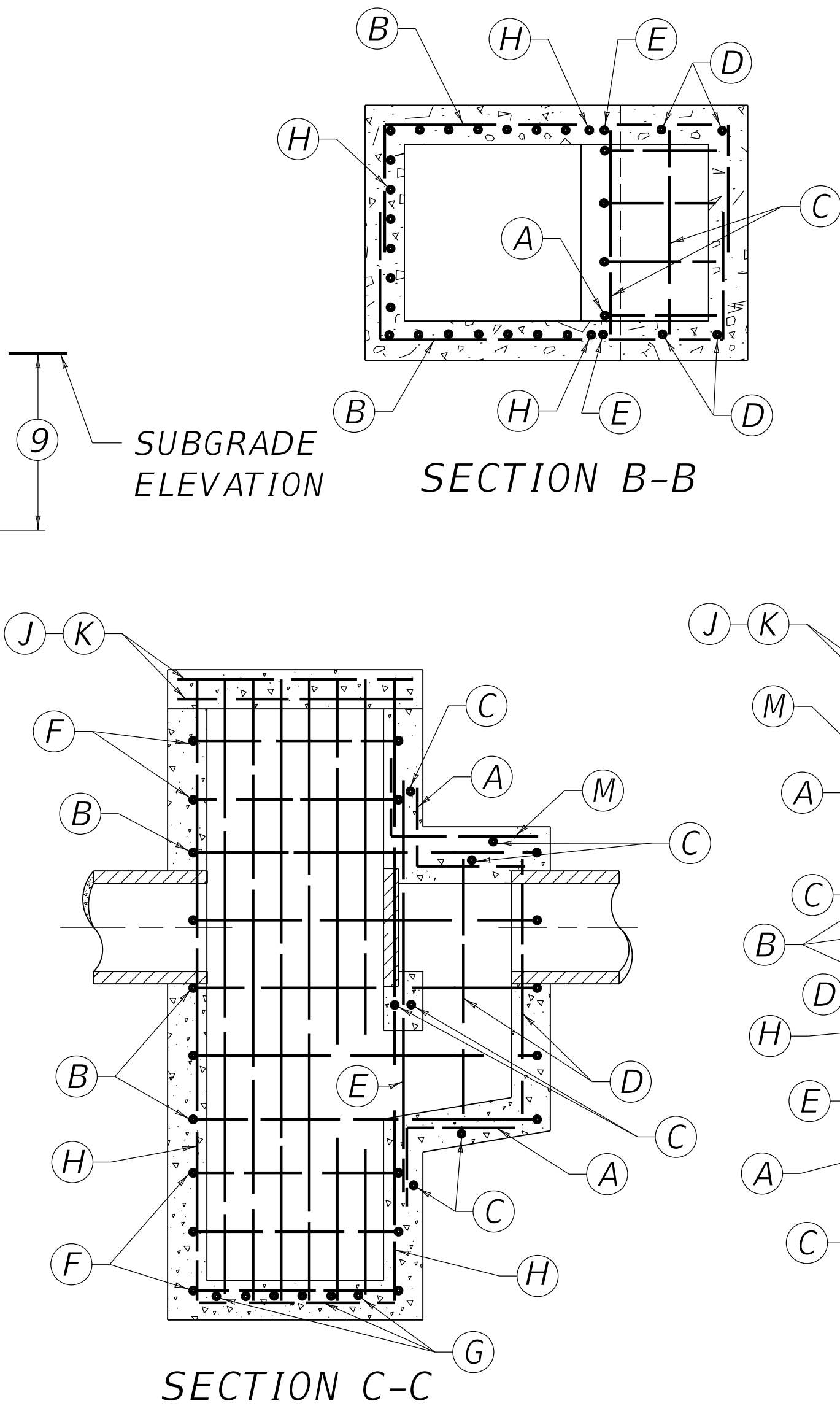
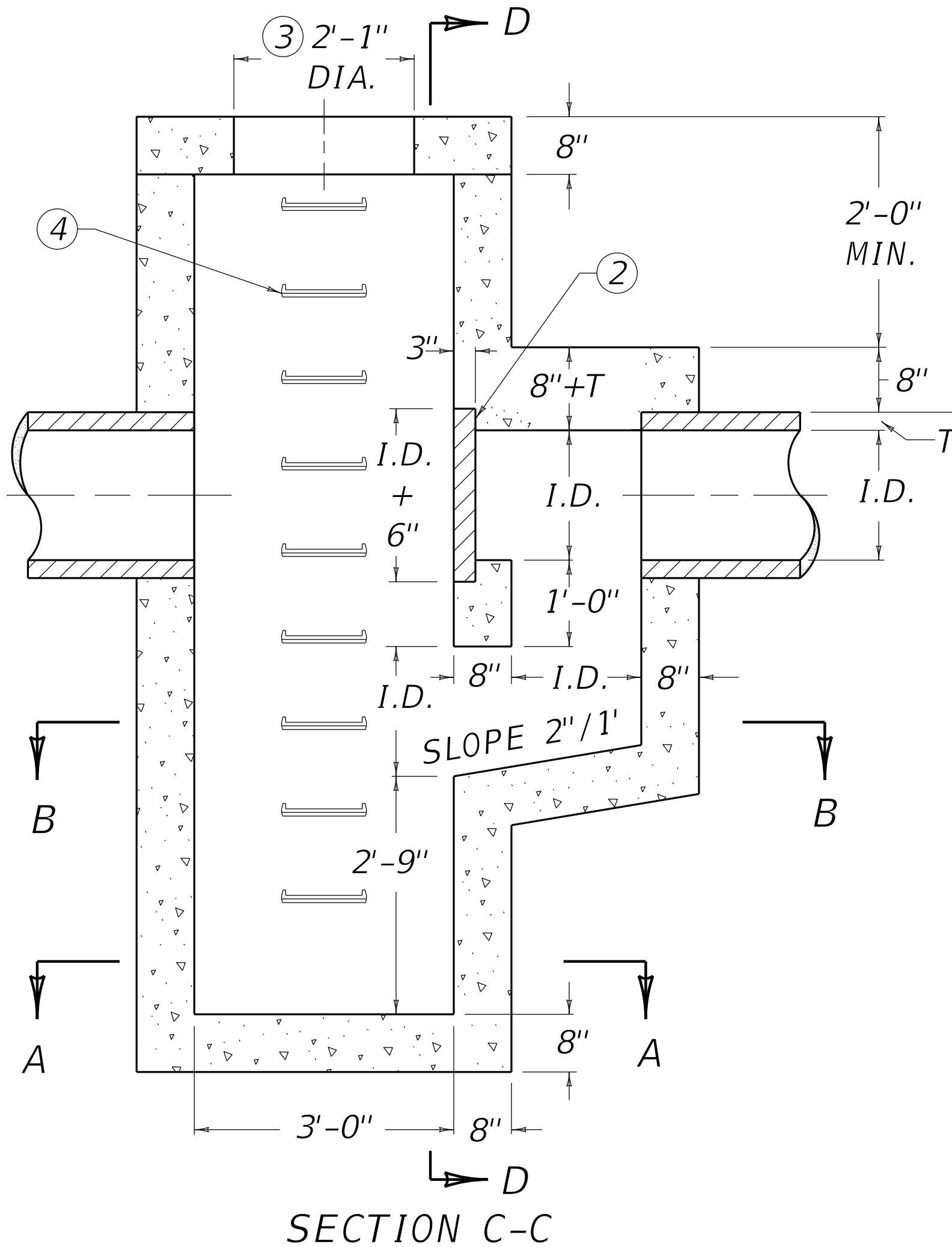




10 BILL OF REINFORCEMENT (NO. 5 BARS)												
PIPE	15"			18"			21"			24"		
NO. 5 BARS	QTY.	TOTAL LG.	X DIM.	QTY.	TOTAL LG.	X DIM.	QTY.	TOTAL LG.	X DIM.	QTY.	TOTAL LG.	X DIM.
(A)	8	2'-11"	1'-7"	8	3'-2"	1'-10"	8	3'-5"	2'-1"	8	3'-8"	2'-4"
(B)	10	9'-6"	5'-3"	10	9'-9"	5'-6"	12	10'-0"	5'-9"	12	10'-4"	6'-0"
(C)	7	3'-4"	-	7	3'-4"	-	7	3'-4"	-	9	3'-4"	-
(D)	4	3'-11"	-	4	4'-4"	-	4	4'-10"	-	6	5'-4"	-
(E)	2	6'-6"	-	2	7'-0"	-	2	7'-6"	-	2	8'-0"	-
(F)	10	7'-7"	3'-4"	10	7'-7"	3'-4"	10	7'-7"	3'-4"	10	7'-7"	3'-4"
(G)	12	3'-4"	-	12	3'-4"	-	12	3'-4"	-	12	3'-4"	-
(H)	22	9'-1"	-	22	9'-8"	-	22	10'-2"	-	22	10'-8"	-
(J)	8	3'-4"	-	8	3'-4"	-	8	3'-4"	-	8	3'-4"	-
(K)	8	2'-4"	-	8	2'-4"	-	8	2'-4"	-	8	2'-4"	-
(M)	4	3'-7"	2'-3"	4	3'-10"	2'-6"	4	4'-1"	2'-9"	4	4'-4"	3'-0"
569 LBS.				591 LBS.			632 LBS.			672 LBS.		
CU. YDS. CLASS "A" CONC.												
4.73				5.07			5.43			5.79		
0.36 1												



- BID ITEM AND UNIT TO BID
MANHOLE-TRAPPED EACH
- CU. YD. PER FT. INCREASE OR DECREASE WHEN MANHOLE HEIGHT VARIES FROM 7'-1" + 2 I.D. + T.
 - REMOVABLE STOPPER-MASONRY, CAST IRON OR OTHER TYPES OF STOPPERS WILL BE PERMITTED IF APPROVED BY THE ENGINEER.
 - SEE CUR. STD. DWG. RDM-100 FOR CASTINGS TO BE USED IN NON-TRAFFIC AREAS AND CUR. STD. DWG. RDM-105 FOR CASTINGS TO BE USED IN TRAFFIC AREAS.
 - SEE CUR. STD. DWG. RDM-055 FOR STEP TYPE, SPACING AND DETAIL.
 - G & H BARS SPACED APPROXIMATELY 6" O.C. ALL OTHER BARS SPACED APPROXIMATELY 1'-0" O.C.
 - CONSTRUCTION JOINT NOT PERMITTED BELOW FLOW LINE ELEVATION.
 - ENCIRCLED LETTERS INDICATE STEEL BAR LOCATIONS.
 - T= PIPE THICKNESS, I.D.= INSIDE DIA. OF PIPE, O.D.= OUTSIDE DIA. OF PIPE.
 - 2'-0" DESIRED COVER, 1'-0" MINIMUM COVER OVER PIPE.
 - THE H BAR SHALL BE INCREASED INCH FOR INCH WHEN BOX EXCEEDS MINIMUM HEIGHT. ADD TWO F BARS FOR EACH 1'-0" INCREASE ABOVE MINIMUM HEIGHT.
 - DIMENSIONS FROM FACE OF CONCRETE TO STEEL SHALL BE 2" CLEAR DISTANCE.
- USE WITH CUR. STD. DWGS.
RDM-055 RDM-100 RDM-105



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

MANHOLE

TRAPPED MANHOLE

STANDARD DRAWING NUMBER
RDM-050-07

DRAINAGE

REVISION DATE: 12/01/2015
REVISION NUMBER: 0

SUBMITTED 12-01-2015
DIVISION DIRECTOR
APPROVED 12-01-2015
STATE HIGHWAY ENGINEER