

PLAN

GENERAL NOTES:

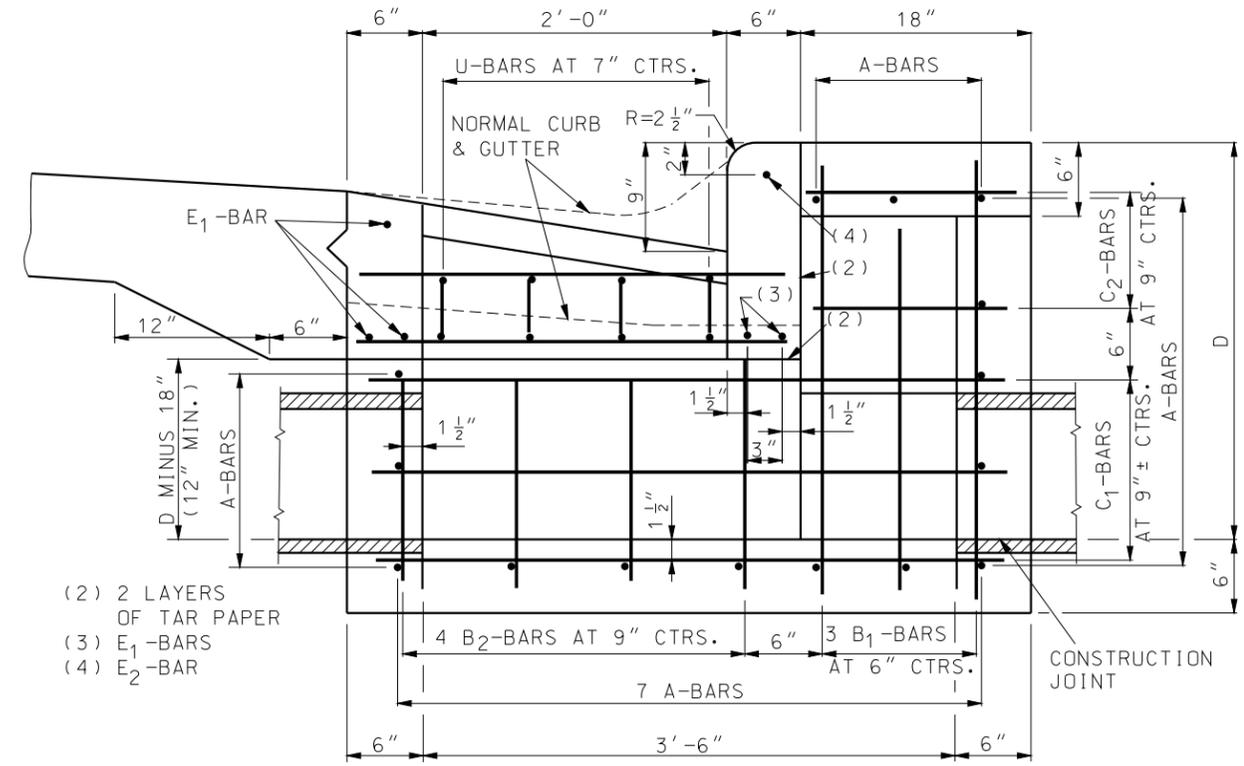
TOP OF DROP INLET WALLS SHALL BE LEVEL AND TO THE ELEVATION OF BOTTOM OF SLAB AT EDGE OF TRAVELED WAY OR BOTTOM OF CURB AND GUTTER AT DROP INLET.

ALL CONCRETE ABOVE THE TAR-PAPER SEPARATION JOINT IS TO BE CONSTRUCTED DURING PAVING OPERATIONS OR CURB AND GUTTER CONSTRUCTION; AND WILL BE PAID FOR AS SQUARE YARDS OF CONCRETE PAVEMENT OR LINEAR FEET OF CURB AND GUTTER.

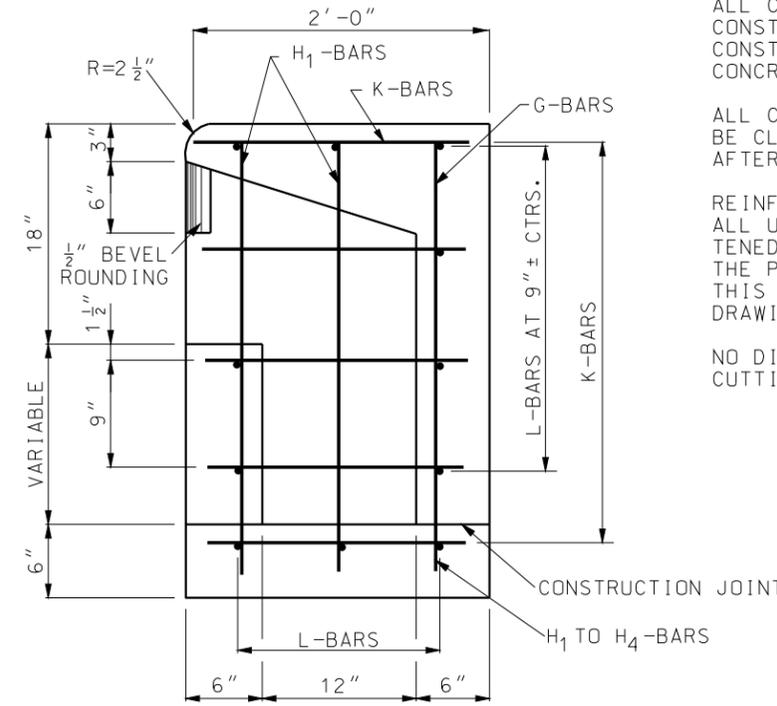
ALL CONCRETE BELOW THE TAR-PAPER SEPARATION JOINTS SHALL BE CLASS "B" CONCRETE. CONCRETE IN INVERTS SHALL BE PLACED AFTER DROP INLET HAS BEEN CONSTRUCTED.

REINFORCING BARS SHALL BE CUT AND/OR BENT AT PIPE OPENINGS. ALL U AND F-BARS SHALL BE SECURELY TIED TOGETHER AND FASTENED TO SECURE AGAINST ANY POSSIBLE DISPLACEMENT DURING THE PLACING OF CONCRETE. THE REINFORCING STEEL SHOWN ON THIS DRAWING IS IN ADDITION TO ANY REINFORCING SHOWN ON DRAWINGS FOR CONCRETE PAVEMENT OR CURB AND GUTTER.

NO DIRECT PAYMENT WILL BE MADE FOR CUTTING PIPE NOR FOR CUTTING AND BENDING REINFORCING BARS.



SECTION A-A
(INTAKE BOX)



SECTION C-C
(EXTENSION)

- (2) 2 LAYERS OF TAR PAPER
- (3) E₁-BARS
- (4) E₂-BAR

 MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
	DROP INLET TYPE X
DATE EFFECTIVE: 04/01/1983 DATE PREPARED: 8/21/2009	604.29C
	SHEET NO. 1 OF 2

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

BAR BILL - EXTENSION							
LENGTH OF EXT. L		2'-6"		5'-0"		7'-6"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
G	#5	4	3'-3"	7	3'-3"	10	3'-3"
H ₁	#4	4	2'-6"	4	2'-6"	4	2'-6"
H ₂	#4	2	2'-9"	3	2'-9"	3	2'-9"
H ₃	#4			2	3'-0"	3	3'-0"
H ₄	#4					2	3'-3"
H ₅	#4	1	1'-0"	1	1'-0"	1	1'-0"
H ₆	#4	2	1'-3"	3	1'-3"	3	1'-3"
H ₇	#4			2	1'-6"	3	1'-6"
H ₈	#4					2	1'-9"
K	#4	7	1'-9"	10	1'-9"	13	1'-9"
L	#4	11	2'-9"	11	5'-3"	11	7'-9"
DOWEL BAR	#4	8	1'-0"	9	1'-0"	10	1'-0"

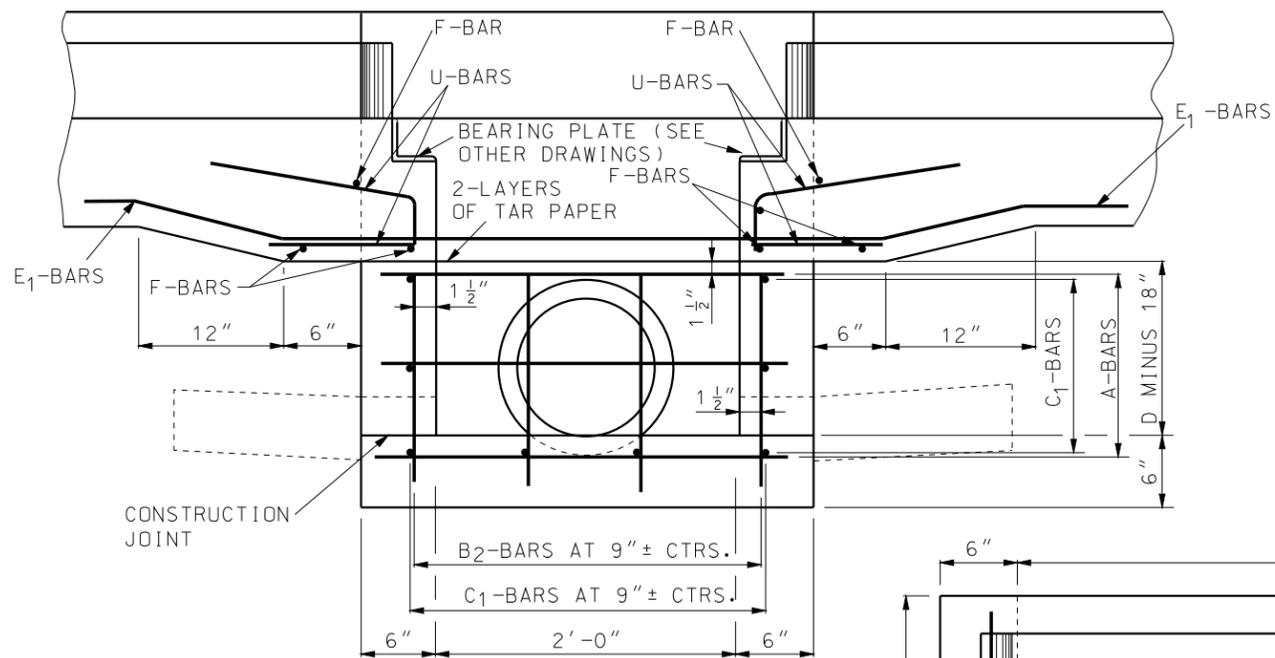
CU. YDS. & LBS. ADDITIONS TO BE MADE FOR EACH EXTENSION		
LENGTH	CU. YDS.	LBS.
2'-6"	0.39	60.0
5'-0"	0.70	101.4
7'-6"	1.04	143.8

CU. YDS. DEDUCTION TO BE MADE FOR PIPE OPENING			
12"	15"	18"	24"
0.03	0.04	0.05	0.09

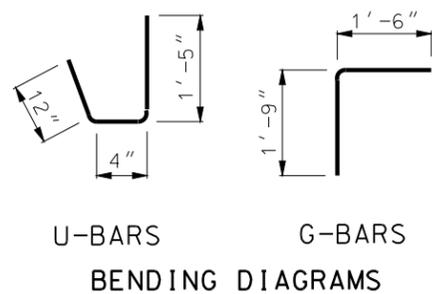
CONCRETE AND STEEL DEDUCTIONS TO BE MADE FOR EACH EXTENSION OPENING		
9" X 12"	12" X 12"	15" X 12"
0.01 C.Y.	0.02 C.Y.	0.02 C.Y.
2.5 LBS.	3.7 LBS.	4.0 LBS.

BAR BILL - INTAKE BOX																				
D	CONC. CU. YDS.	STEEL LBS.	A-BARS		B ₁ -BARS		B ₂ -BARS		C ₁ -BARS		C ₂ -BARS		E ₁ -BARS		E ₂ -BARS		F-BARS		U-BARS	
			TRANSVERSE IN BOTTOM WALLS & TOP		VERTICAL IN WALLS		VERTICAL IN WALLS		LONGITUDINAL IN BOTTOM AND SIDE		LONGITUDINAL IN SIDE AND TOP		LONGITUDINAL IN GUTTER		LONGITUDINAL IN GUTTER		TRANSVERSE IN GUTTER		IN GUTTER	
			NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
2'-6"	0.82	131	15	2'-9"	8	2'-9"	10	1'-3"	8	4'-3"	6	1'-3"	5	7'-0"	1	4'-9"	6	2'-9"	8	2'-9"
2'-9"	0.88	134	15	2'-9"	8	3'-0"	10	1'-6"	8	4'-3"	6	1'-3"	5	7'-0"	1	4'-9"	6	2'-9"	8	2'-9"
3'-0"	0.94	137	15	2'-9"	8	3'-3"	10	1'-9"	8	4'-3"	6	1'-3"	5	7'-0"	1	4'-9"	6	2'-9"	8	2'-9"
3'-3"	1.00	140	15	2'-9"	8	3'-6"	10	2'-0"	8	4'-3"	6	1'-3"	5	7'-0"	1	4'-9"	6	2'-9"	8	2'-9"
3'-6"	1.06	152	17	2'-9"	8	3'-9"	10	2'-3"	10	4'-3"	6	1'-3"	5	7'-0"	1	4'-9"	6	2'-9"	8	2'-9"
3'-9"	1.12	155	17	2'-9"	8	4'-0"	10	2'-6"	10	4'-3"	6	1'-3"	5	7'-0"	1	4'-9"	6	2'-9"	8	2'-9"
4'-0"	1.18	158	17	2'-9"	8	4'-3"	10	2'-9"	10	4'-3"	6	1'-3"	5	7'-0"	1	4'-9"	6	2'-9"	8	2'-9"
4'-3"	1.24	170	19	2'-9"	8	4'-6"	10	3'-0"	12	4'-3"	6	1'-3"	5	7'-0"	1	4'-9"	6	2'-9"	8	2'-9"
4'-6"	1.30	173	19	2'-9"	8	4'-9"	10	3'-3"	12	4'-3"	6	1'-3"	5	7'-0"	1	4'-9"	6	2'-9"	8	2'-9"
4'-9"	1.36	176	19	2'-9"	8	5'-0"	10	3'-6"	12	4'-3"	6	1'-3"	5	7'-0"	1	4'-9"	6	2'-9"	8	2'-9"
5'-0"	1.42	189	21	2'-9"	8	5'-3"	10	3'-9"	14	4'-3"	6	1'-3"	5	7'-0"	1	4'-9"	6	2'-9"	8	2'-9"

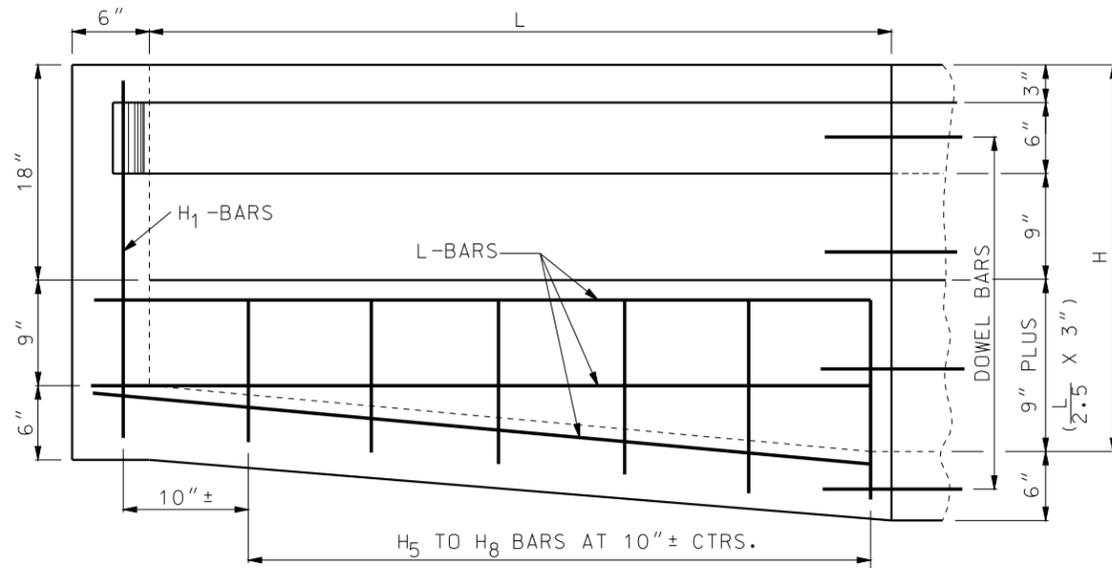
CONCRETE QUANTITIES INCLUDE 0.15 CU.YDS. FOR INVERT ALL BARS #4



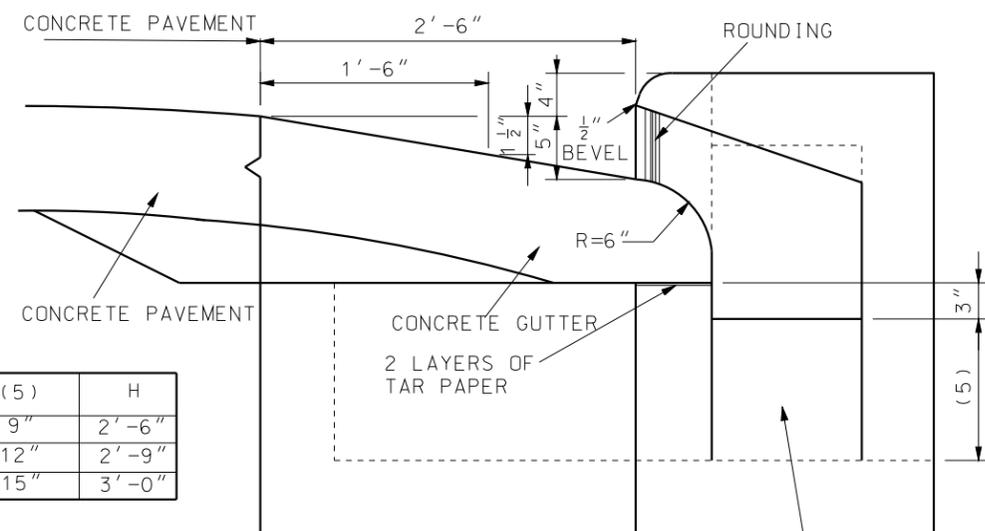
SECTION B-B



U-BARS BENDING DIAGRAMS
G-BARS



LONGITUDINAL SECTION (EXTENSION)



SECTION SHOWING DETAILS OF OPENING AND DEPRESSION IN PAVEMENT OR GUTTER

L	(5)	H
2'-6"	9"	2'-6"
5'-0"	12"	2'-9"
7'-6"	15"	3'-0"

MoDOT MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

STATE OF MISSOURI
KATHRYN PHILLIPS HARVEY
NUMBER PE-23751
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED SEALED AND DATED ELECTRONICALLY.

DROP INLET
TYPE X

DATE EFFECTIVE: 04/01/1983
DATE PREPARED: 8/21/2009

SHEET NO.
2 OF 2

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