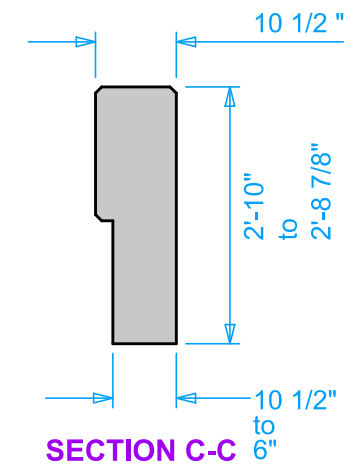
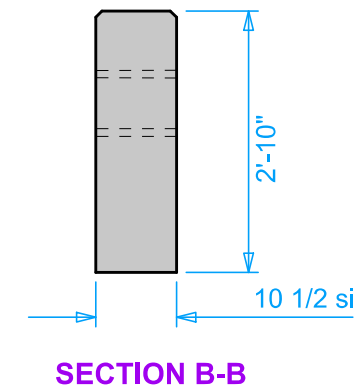
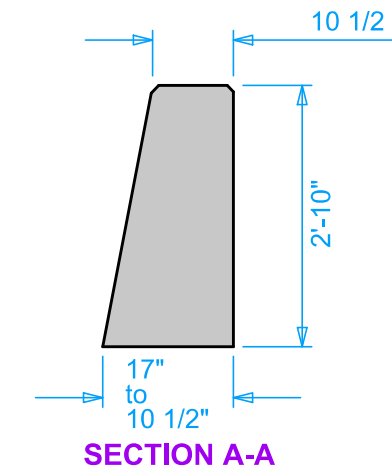
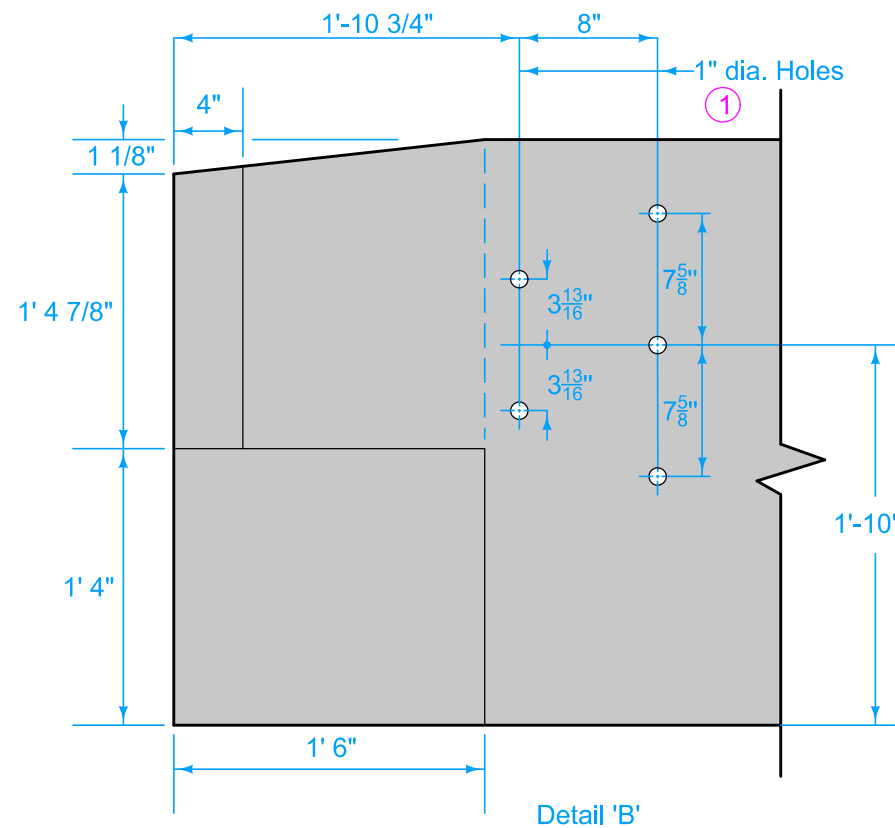
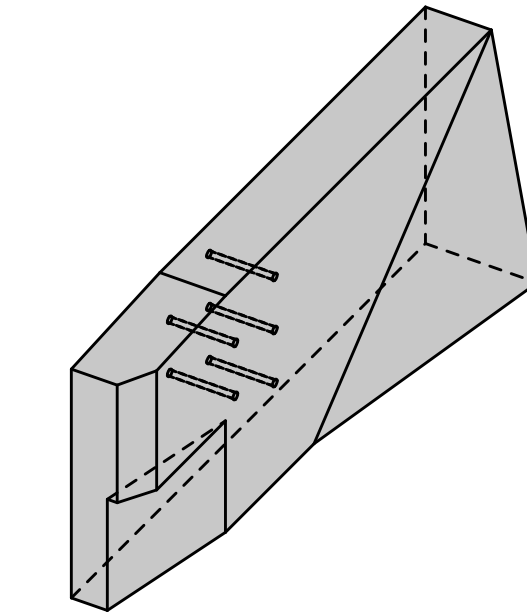
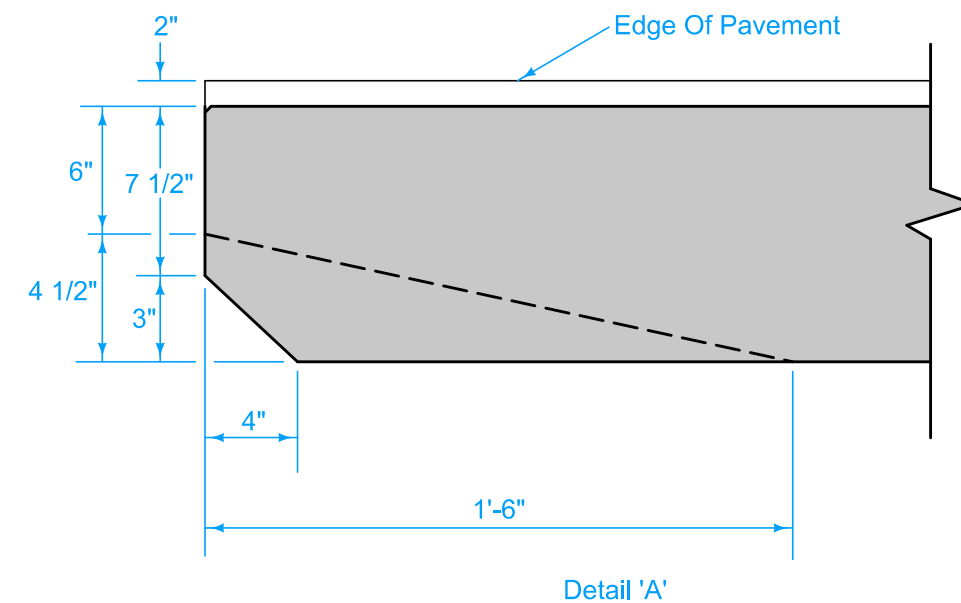
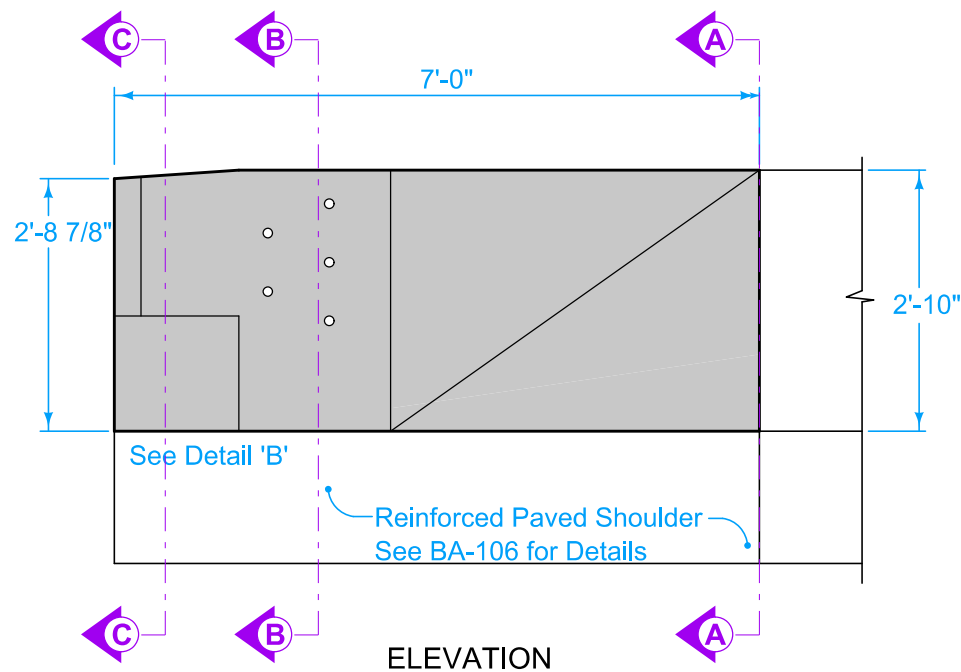
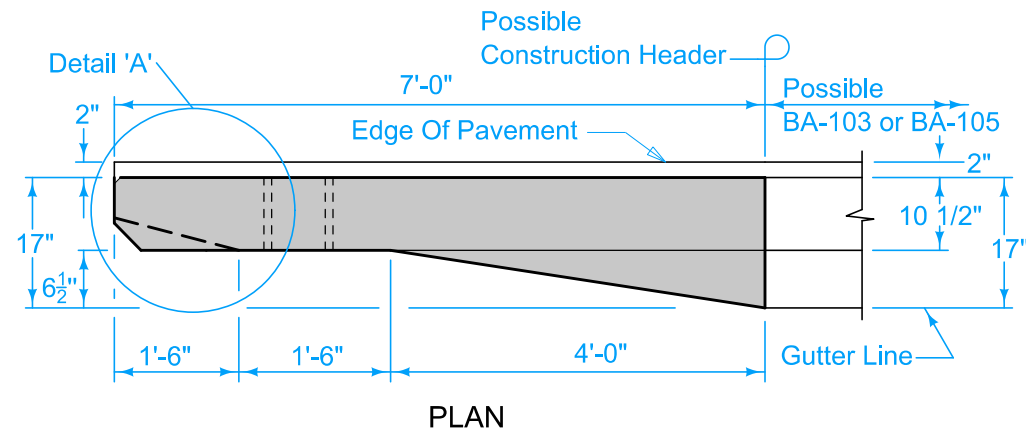




CONCRETE QUANTITY
Per End Section
0.7 cy

Use Grade 60 epoxy - coated reinforcing bars. Provide 2 inches minimum cover. Anchor all reinforcement to prevent movement. Secure each section at the front, back, and at 3'- 6' intervals using a method approved by the Engineer.

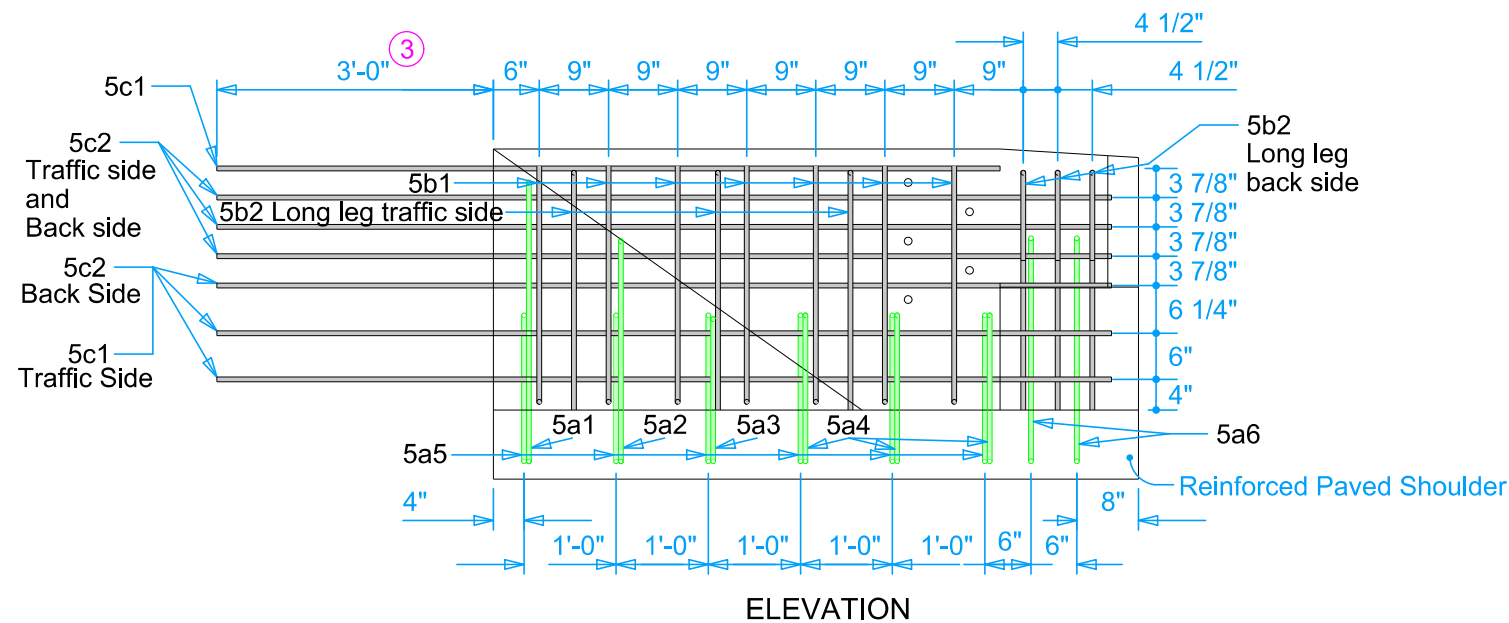
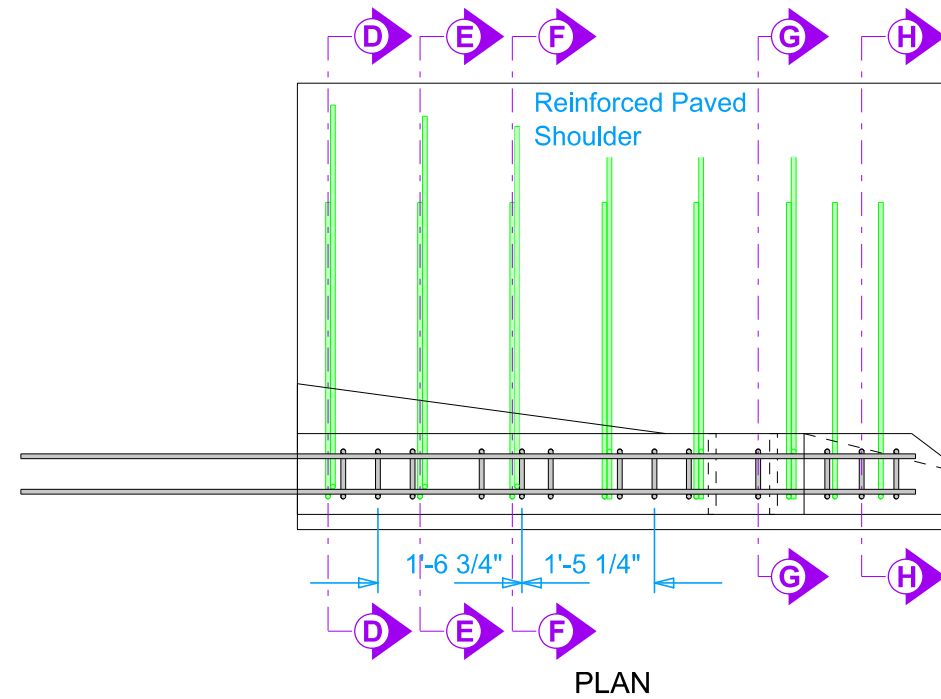
Fillet all exposed corners with a $\frac{3}{4}$ inch dressed and beveled strip.

① Form holes using 1 inch diameter plastic conduit.

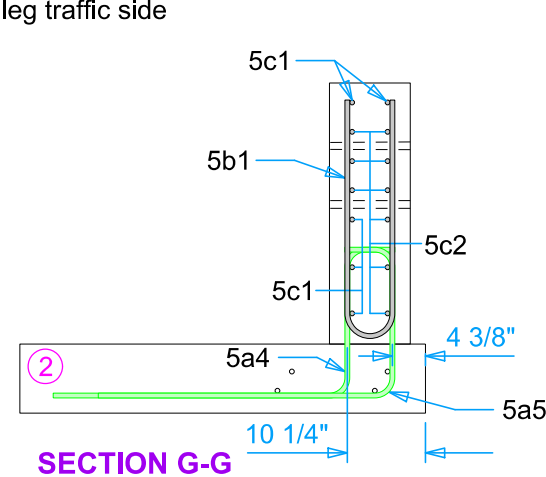
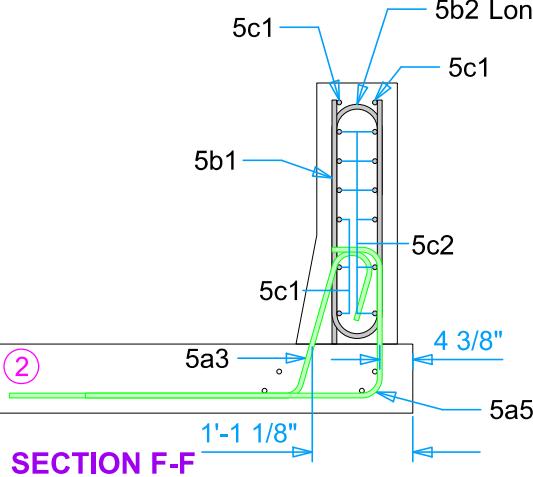
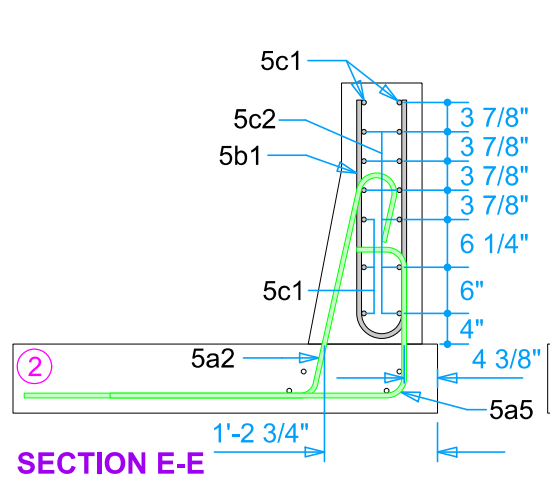
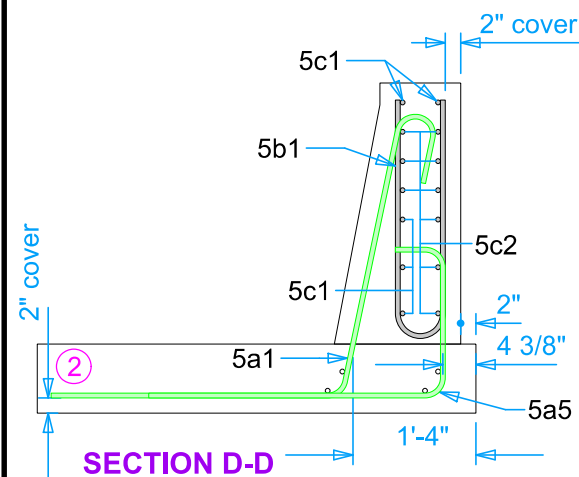
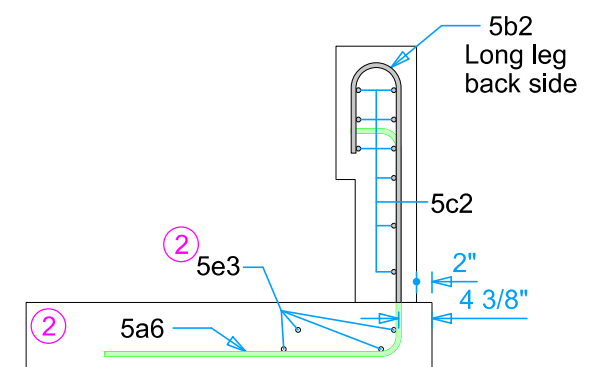
Possible Contract Item:
Concrete Barrier Rail, BA-107

Possible Tabulation:
108-18B

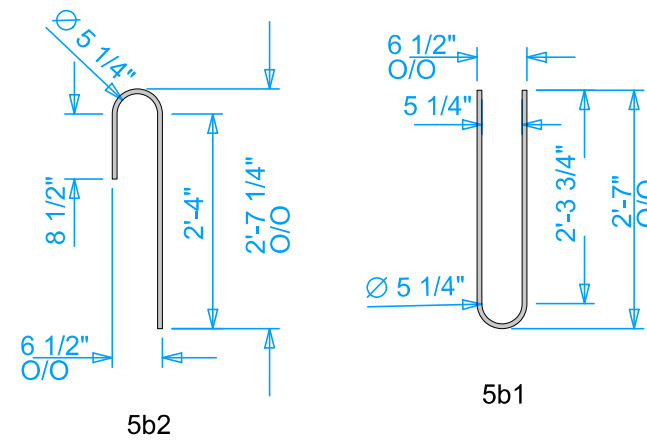
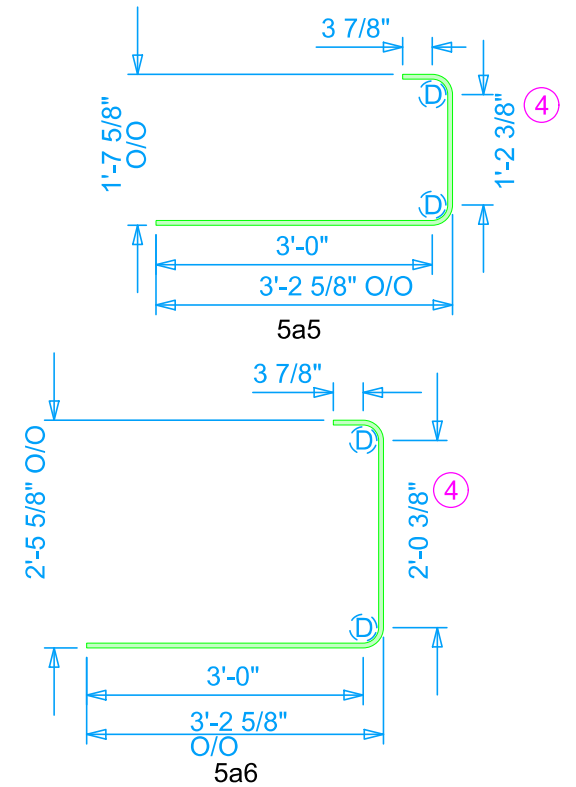
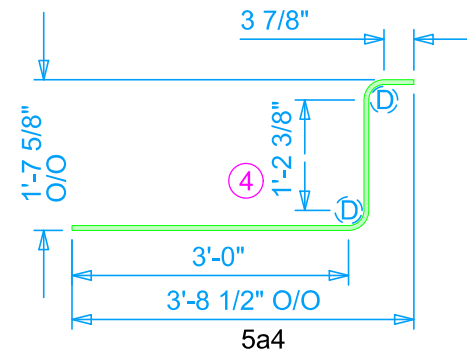
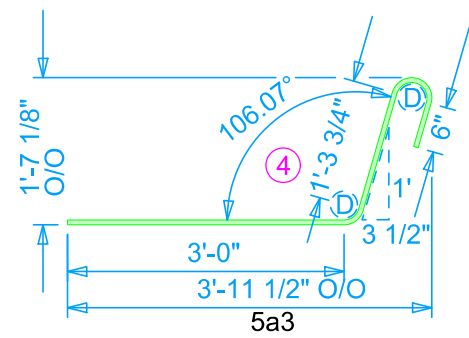
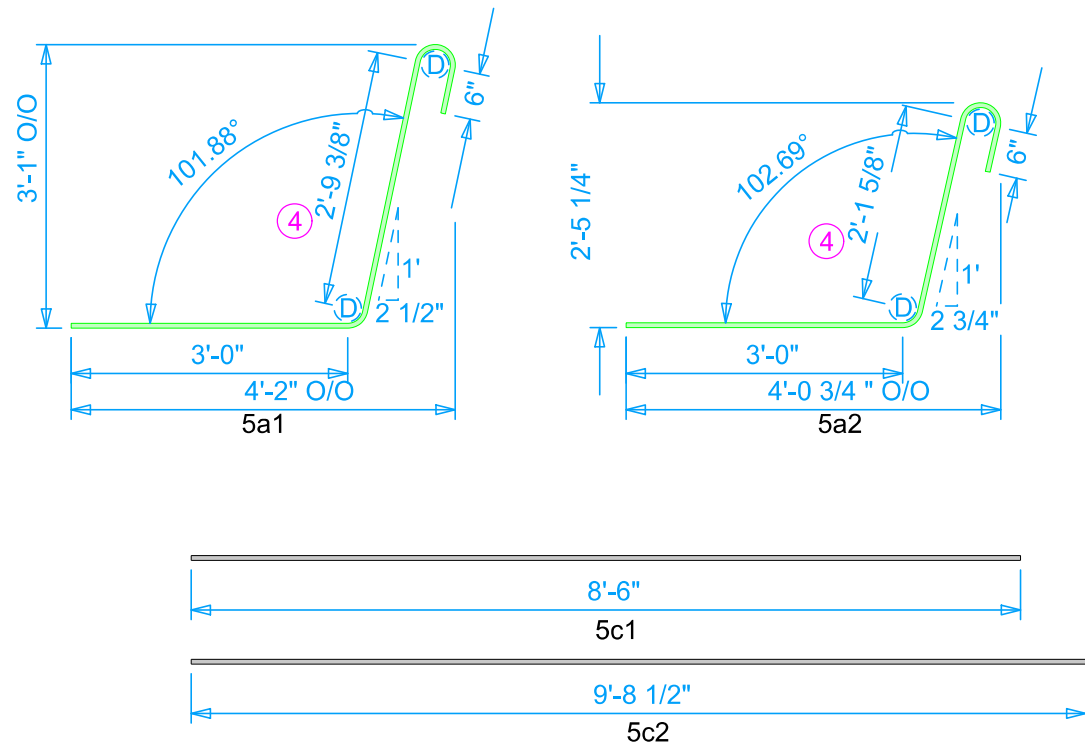
IOWA DOT STANDARD ROAD PLAN	REVISION	
	4	10-18-22
REVISIONS: Redesign		BA-107
APPROVED BY DESIGN METHODS ENGINEER		SHEET 1 of 3
CONCRETE BARRIER END SECTION		



- ② See BA-106 for details of 5e3 bars, and reinforced paved shoulder.
- ③ Extend longitudinal reinforcement into the abutting section a minimum of 3 feet.



 IOWA DOT	REVISION	
	4	10-18-22
	BA-107	
	SHEET 2 of 3	
REVISIONS: Redesign		
APPROVED BY DESIGN METHODS ENGINEER		
CONCRETE BARRIER END SECTION		



D = PIN DIAMETER OF 4 INCHES
O/O = Out to Out

REINFORCING BAR LIST

NAME	#	Length		SIZE	ft	weight
		ft	in			
5a1	1	7	1 3/4	4 #5	7.2	7.6
5a2	1	6	6	4 #5	6.5	6.8
5a3	1	5	8	4 #5	5.7	6.0
5a4	3	5	1 1/2	4 #5	15.4	16.1
5a5	6	5	1 1/2	4 #5	30.8	32.2
5a6	2	5	11 1/2	4 #5	12.0	12.6
5b1	7	5	4 3/4	#5	37.8	39.5
5b2	6	3	9 3/4	#5	22.9	23.9
5c1	5	8	6	#5	42.5	44.4
5c2	9	9	8 1/2	#5	87.4	91.2
TOTAL					268.2	280.3

4 Increase these dimensions by one inch for every inch of paved shoulder thickness greater than 9 inches.

	REVISION	
	4	10-18-22
STANDARD ROAD PLAN		BA-107
REVISIONS: Redesign		SHEET 3 of 3
APPROVED BY DESIGN METHODS ENGINEER		
CONCRETE BARRIER END SECTION		