GENERAL NOTES:

1. Work this Index with Index 425-001 and Index 425-010.

2. Conform the finished grade and slope of the inlet tops with the finished cross slope and grade of the proposed sidewalk and/or border.

3. For inlets constructed on a curve, refer to the plans to determine the radius. Bend steel when necessary.

4. Use Grade 60 reinforcing bars with 1¼" minimum cover unless otherwise shown, see Sheet 6 for equivalent area Welded Wire Reinforcement details.

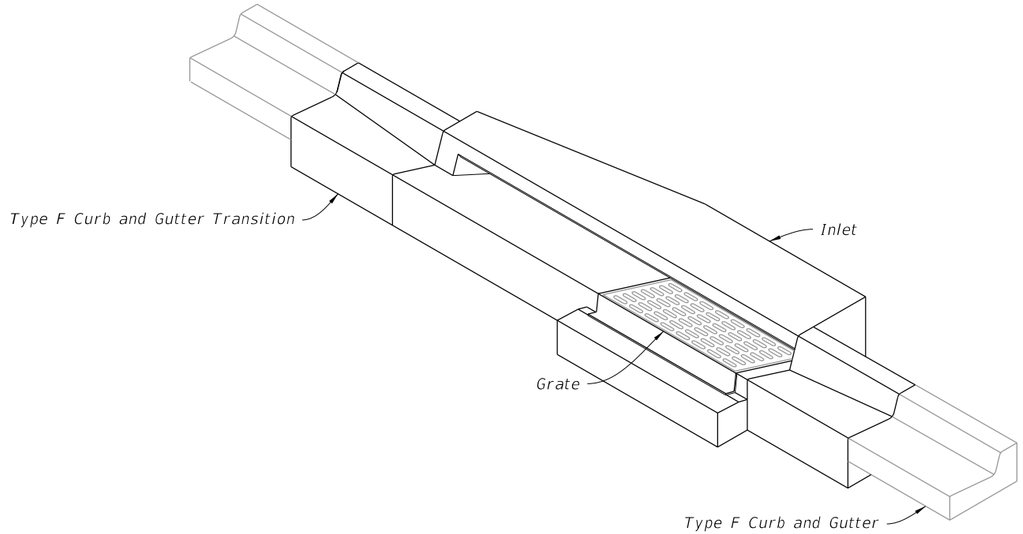
5. Inlet tops may be either cast-in-place or precast concrete. Conform precast units to the dimensions shown or in accordance with approved shop drawings.

6. Corner fillets are required at inlet opening for precast units or C-I-P units used in conjunction with circular inlet bottoms or skewed rectangular inlet boxes. Finish top of fillets flush with drain throat bottom and match slope.

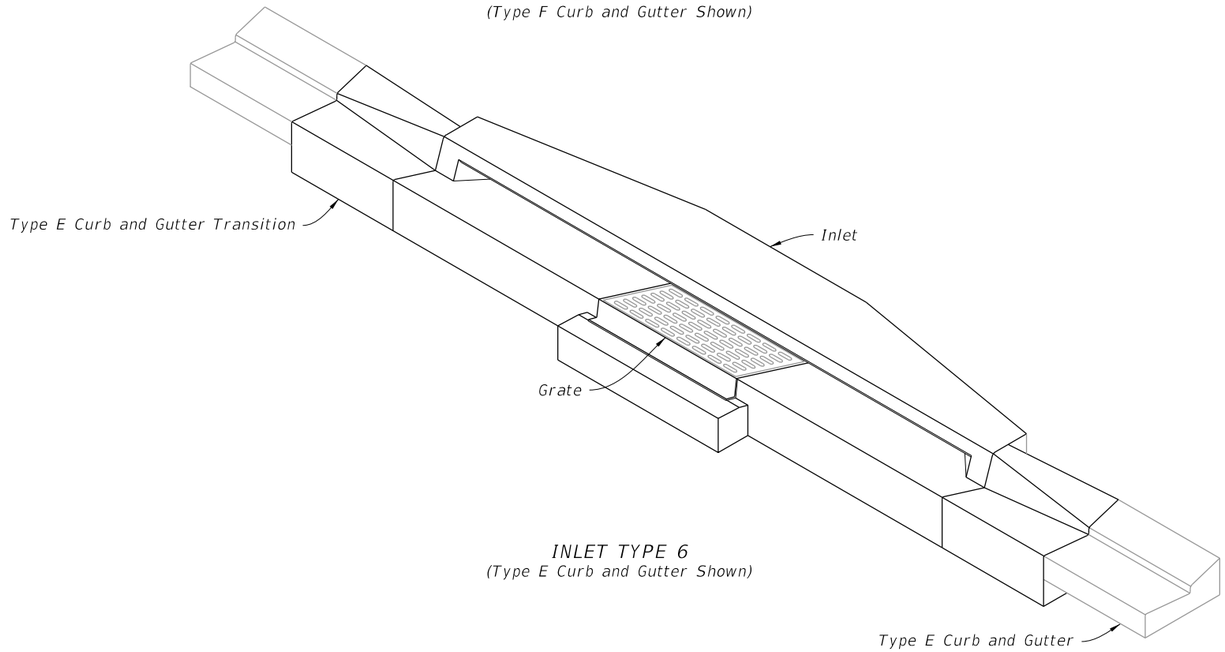
7. For Type E curb and gutter, transition the shape of the curb over the gutter transition length to match the face of the inlet (Type Ft).

8. Meet the requirements of ASTM A36/A36M with steel used for frames and grates.

9. Use either cast iron grates or steel grates.



INLET TYPE 5
(Type F Curb and Gutter Shown)



INLET TYPE 6
(Type E Curb and Gutter Shown)

TABLE OF CONTENTS:

Sheet	Description
1	General Notes and Contents
2	Type 5 and 6 Dimensional Details
3	Type 5 and 6 Reinforcing and Bar Bending Details
4	Precast Dimensional and Reinforcing Details
5	Cast-In-Place Dimensional and Reinforcing Details
6	Alternate Welded Wire Reinforcing (WWR) Details
7	Grate, Anchor, and Grouting Details

CURB INLETS TOPS

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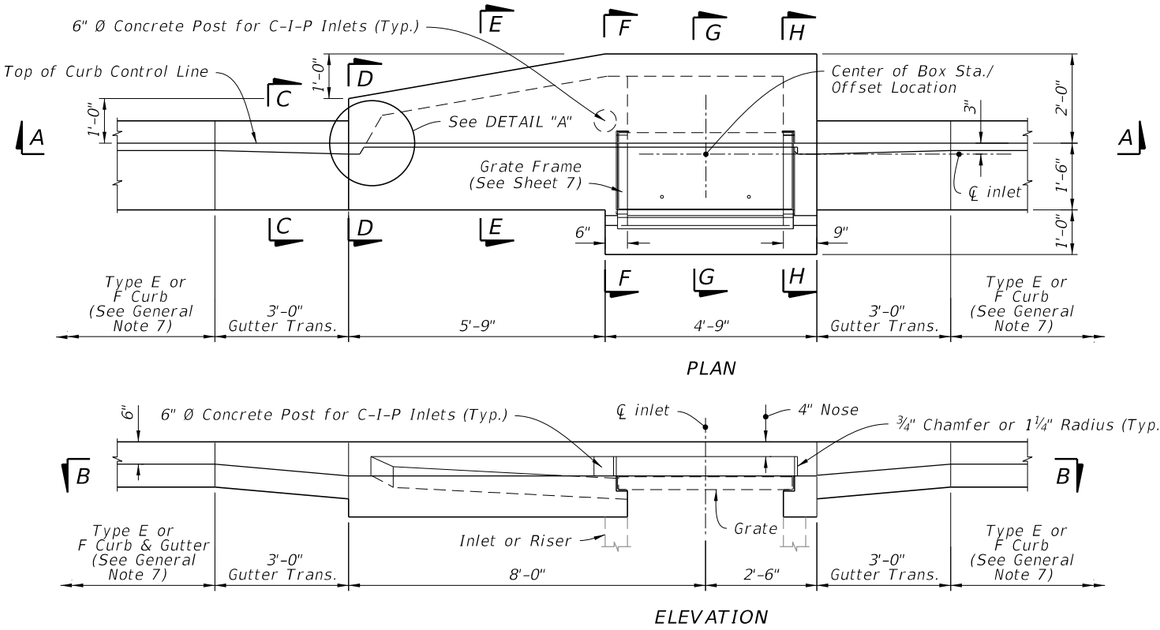
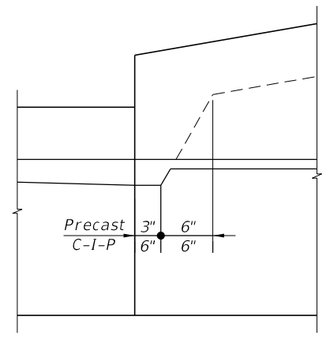
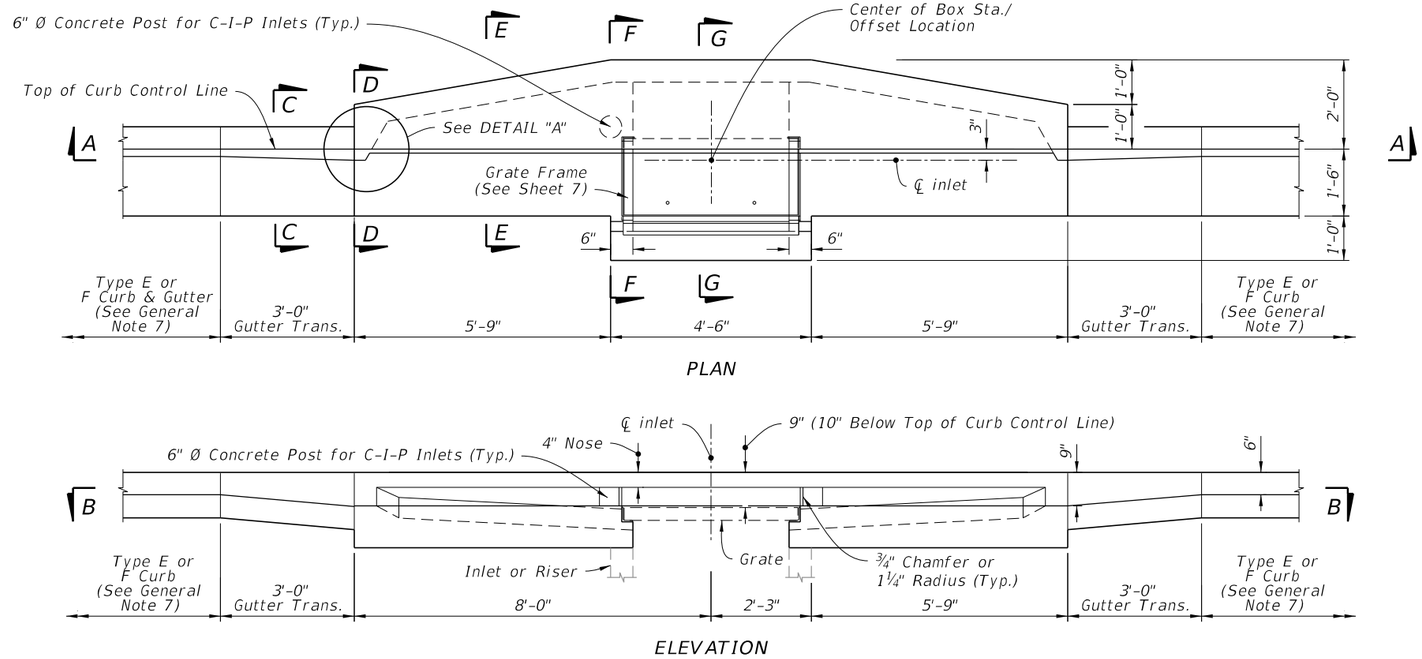
LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2023-24 STANDARD PLANS	CURB INLET TOP TYPES 5 AND 6	INDEX	SHEET
11/01/20						425-021	1 of 7





DETAIL "A"

TYPE 5 DIMENSIONAL DETAILS



TYPE 6 DIMENSIONAL DETAILS

TYPE 5 AND 6 DIMENSIONAL DETAILS

LAST REVISION	REVISION	DESCRIPTION:	FY 2023-24 STANDARD PLANS	CURB INLET TOP TYPES 5 AND 6	INDEX	SHEET
11/01/20					425-021	2 of 7

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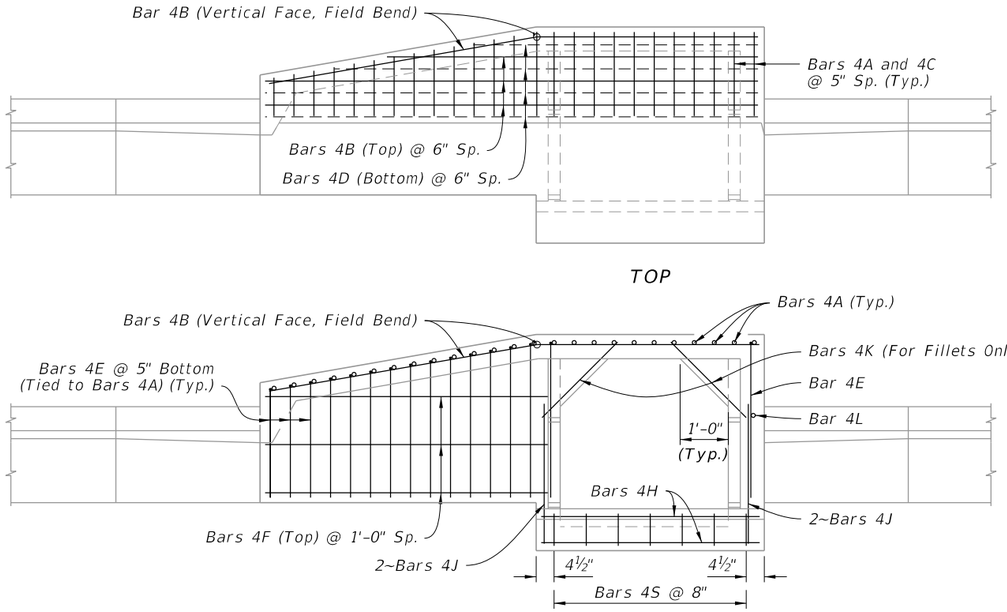
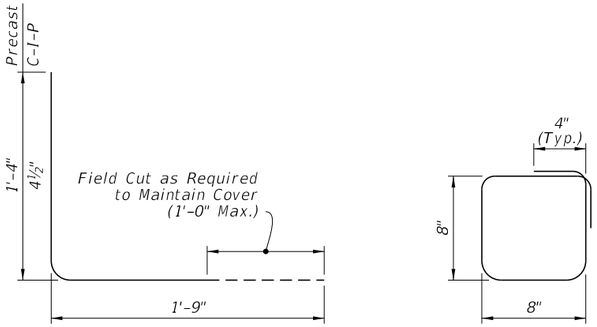
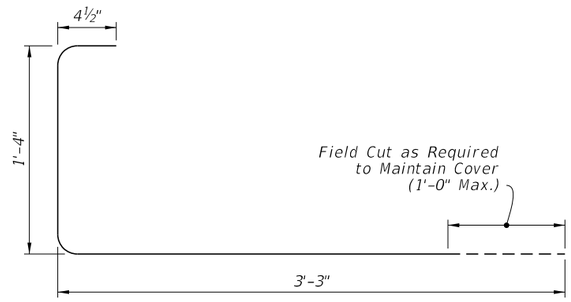


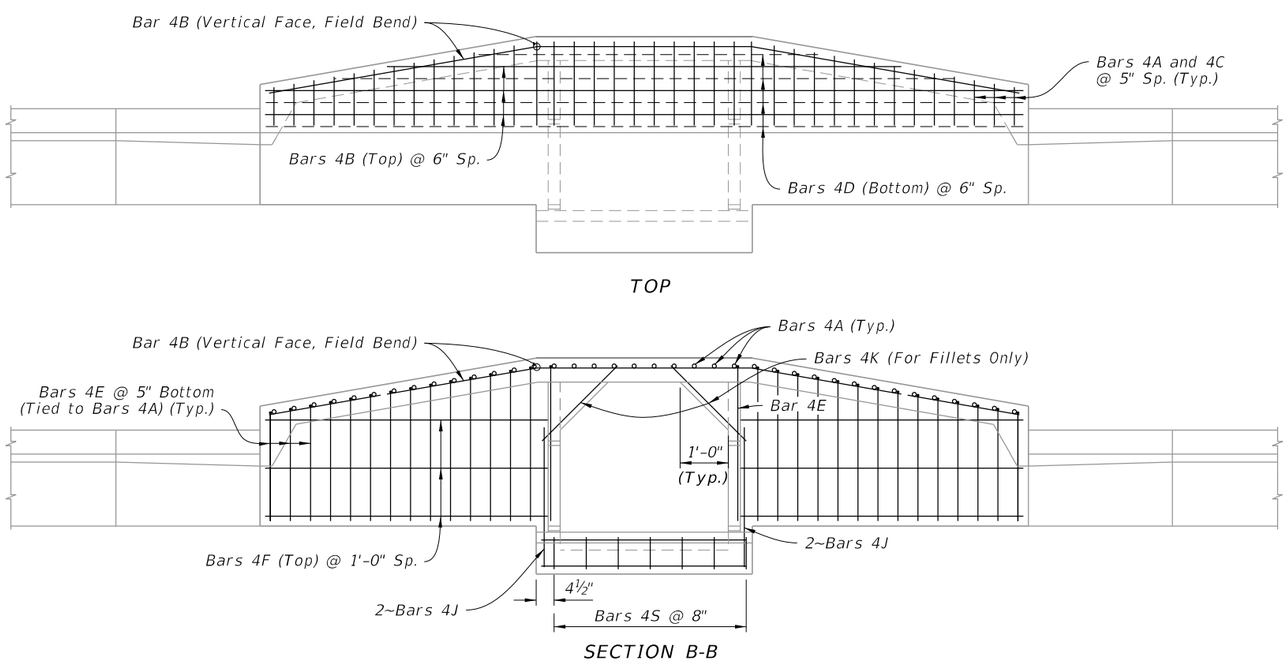
TYPE 5 REINFORCING DETAILS



BAR 4A BAR 4S



BAR 4E



TYPE 6 REINFORCING DETAILS

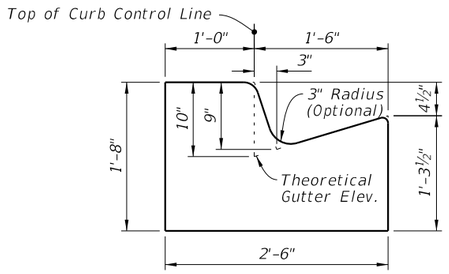
BILL OF REINFORCING STEEL

MARK	SIZE	TYPE 5 INLET		TYPE 6 INLET	
		NO.	LENGTH	NO.	LENGTH
A (Precast)	4	25	3'-1"	38	3'-1"
A (C-I-P)	4	25	2'-1½"	38	2'-1½"
B	4	6	10'-3"	6	15'-9"
C	4	25	11" to 1'-11"	38	11" to 1'-11"
D	4	4	10'-3"	4	15'-9"
E	4	16	4'-11½"	30	4'-11½"
F	4	3	6'-0"	6	6'-0"
H	4	4	4'-6"	4	4'-6"
J	4	4	3'-0"	4	3'-0"
K (Fillet)	4	2	2'-3"	2	2'-3"
L (Precast)	4	1	1'-4"	0	---
L (C-I-P)	4	10	1'-4"	9	1'-4"
S	4	7	3'-2"	7	3'-2"

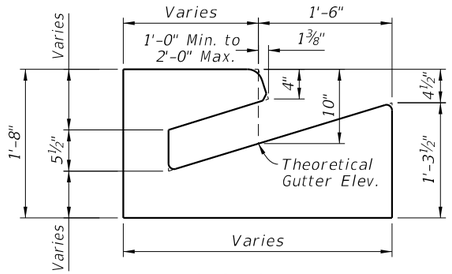
NOTES:

1. All bar dimensions in the bending diagrams are out to out.
2. Bars 4A and 4E may be combined into a single bar.
3. Welded Wire Reinforcement consists of smooth or deformed wire meeting the requirements of Specification 931.

TYPE 5 AND 6 REINFORCING AND BAR BENDING DETAILS



SECTION D-D



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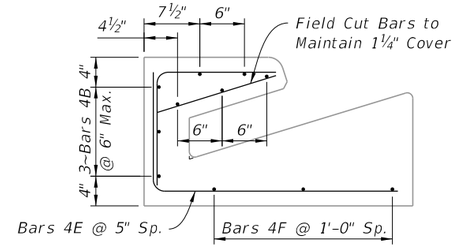

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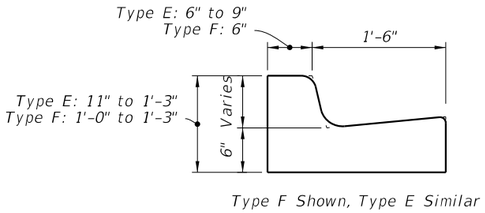
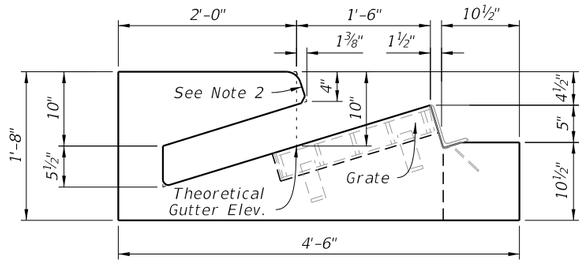
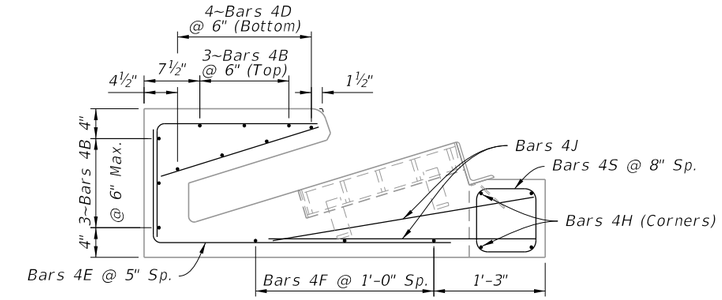


Type F Shown, Type E Similar

SECTION C-C



SECTION F-F



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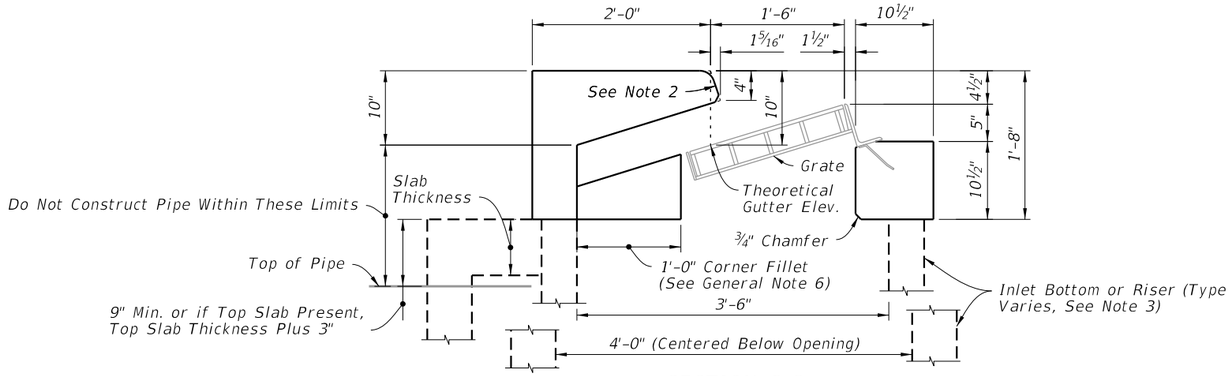

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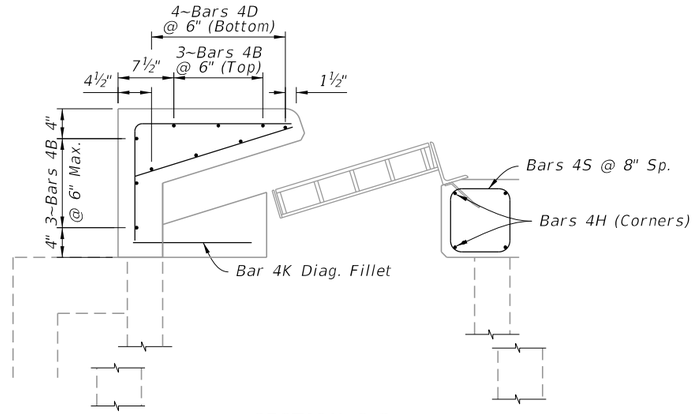

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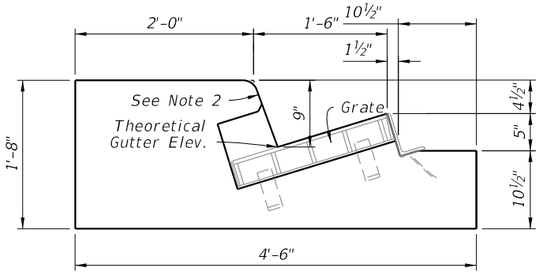
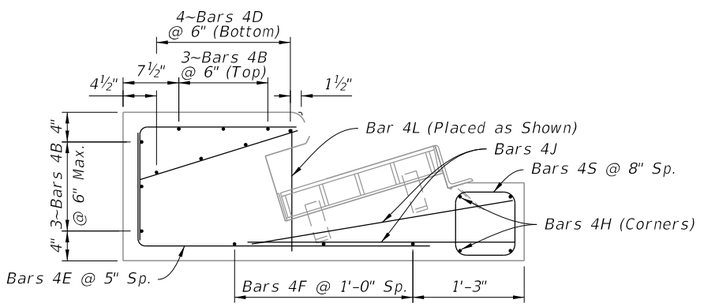


SECTION H-H



SECTION H-H

NOTES:

1. For location of Sections D-D thru H-H see Sheet 2.
2. Match slope of adjacent curb with 2" top radius and ¾" bottom chamfer of 1¼" radius.
3. See Plans for bottom and riser type.

DIMENSIONAL DETAILS

REINFORCING DETAILS

PRECAST DIMENSIONAL AND REINFORCING DETAILS

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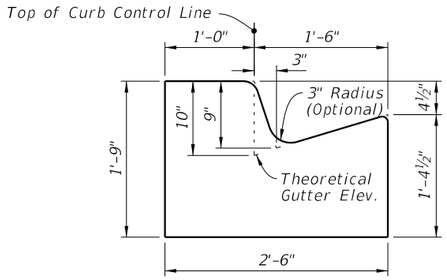
LAST REVISION	REVISION	DESCRIPTION:	FDOT FY 2023-24 STANDARD PLANS	CURB INLET TOP TYPES 5 AND 6	INDEX	SHEET
11/01/20					425-021	4 of 7



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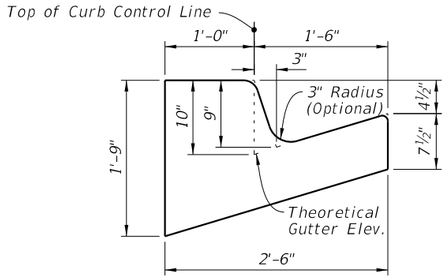
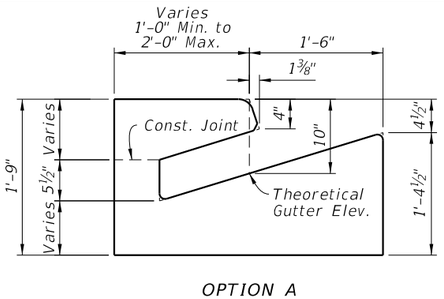


OPTION B

SECTION D-D



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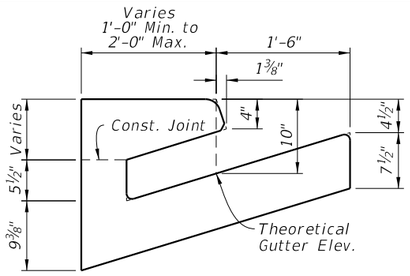
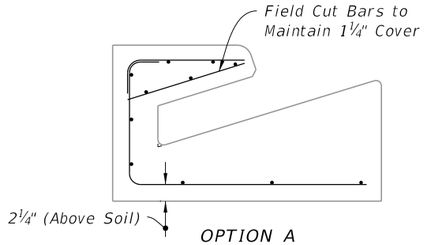


OPTION B

SECTION E-E



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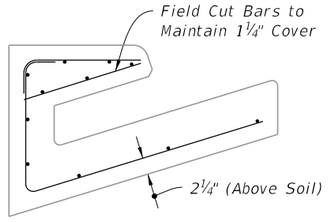

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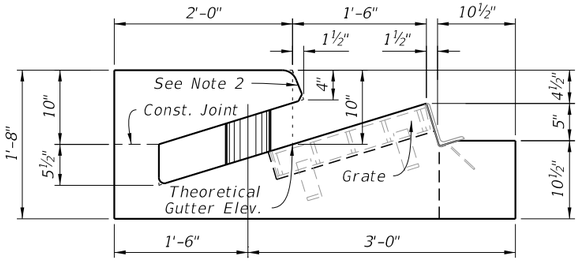
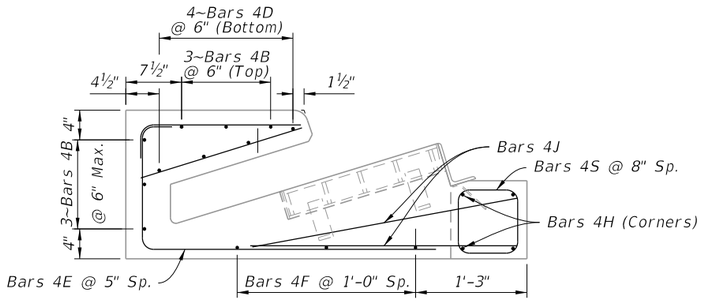
SECTION E-E



SECTION F-F



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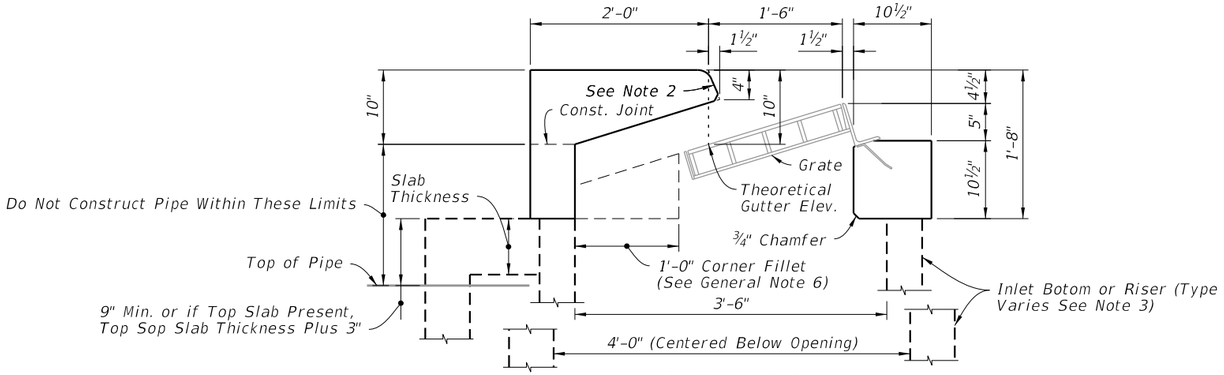
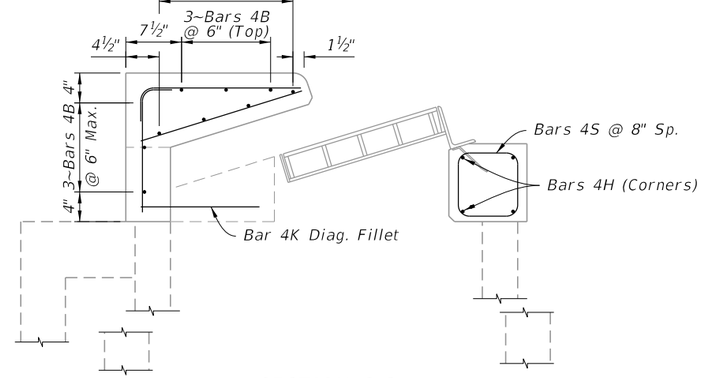


SECTION G-G



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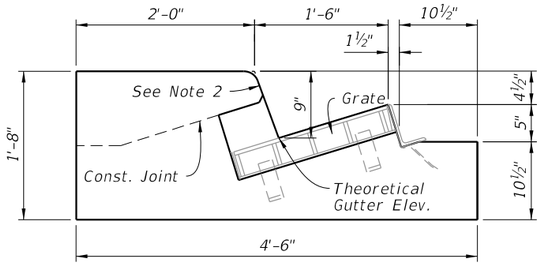

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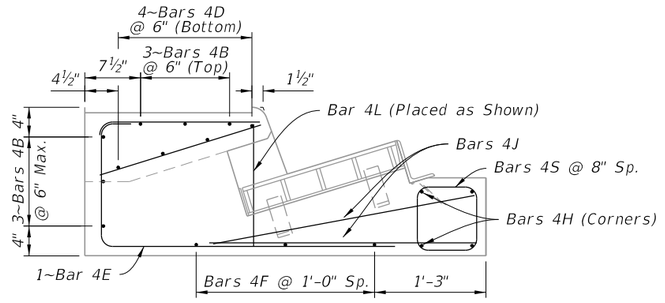

SECTION H-H

NOTES:

1. For location of Sections D-D thru H-H see Sheet 2.
2. Match slope of adjacent curb with 2" top radius and ¾" bottom chamfer of 1¼" radius.
3. See Plans for bottom and riser type.

DIMENSIONAL DETAILS

REINFORCING DETAILS

CAST-IN-PLACE DIMENSIONAL AND REINFORCING DETAILS

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LAST REVISION	REVISION	DESCRIPTION:	FDOT FY 2023-24 STANDARD PLANS	CURB INLET TOP TYPES 5 AND 6	INDEX	SHEET
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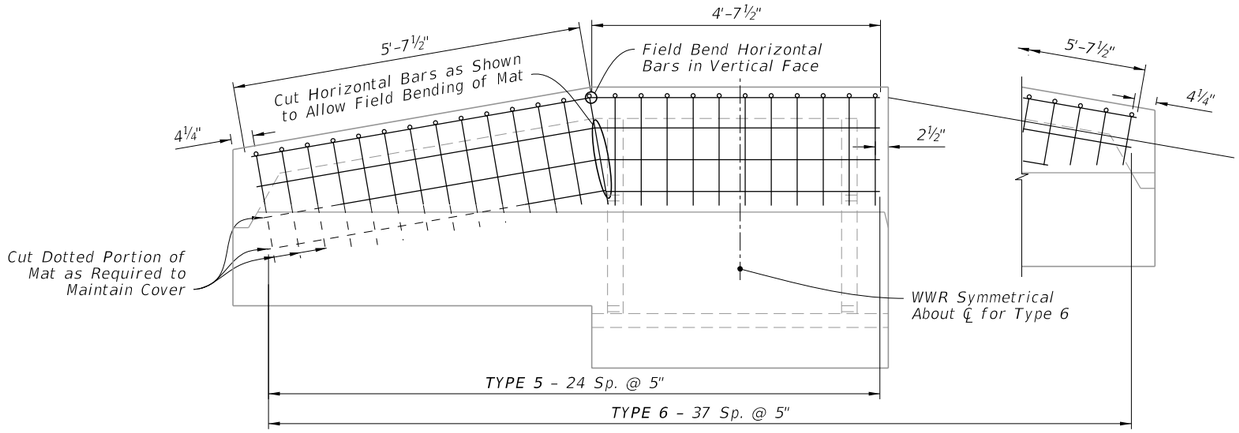
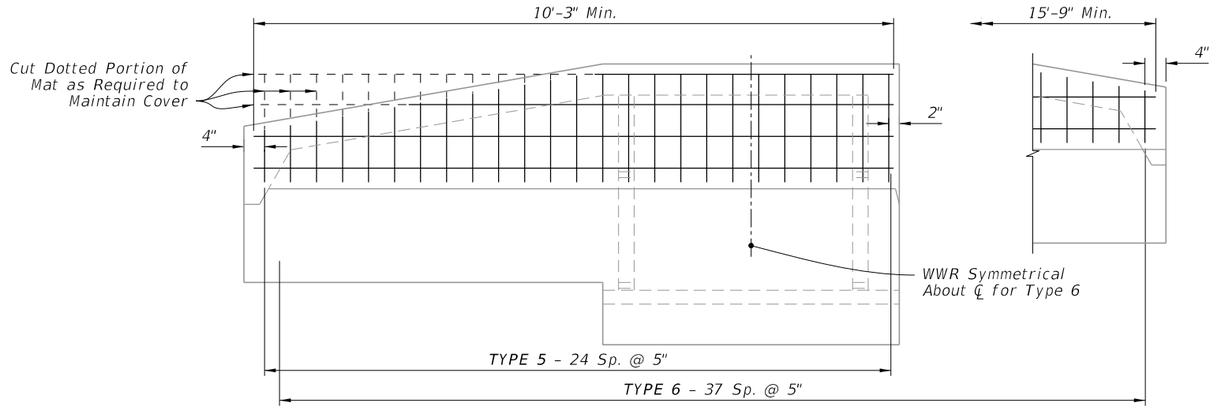
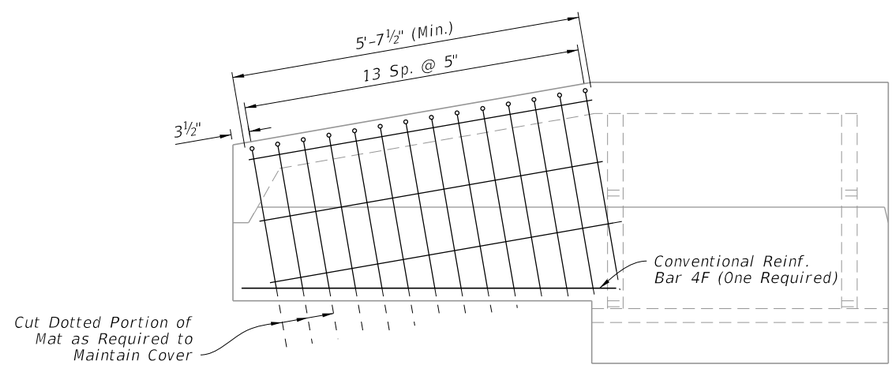


PIECE - 1 PLACEMENT SCHEMATIC

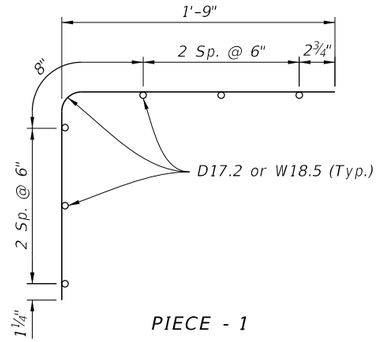


PIECE - 2 PLACEMENT SCHEMATIC



PIECE - 3 PLACEMENT SCHEMATIC

WWR REINFORCING DETAILS



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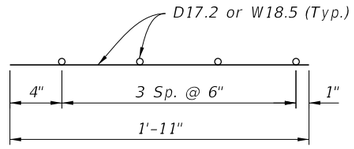

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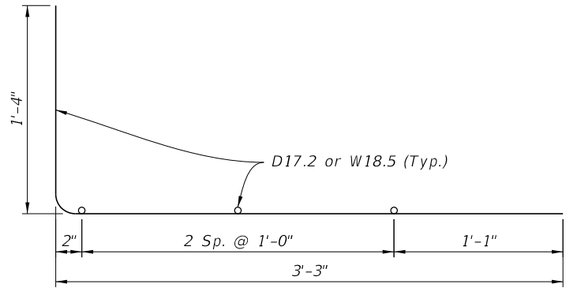
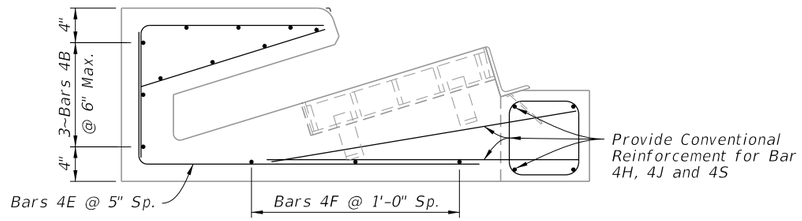


PIECE - 3

WELDED WIRE REINFORCING DETAILS

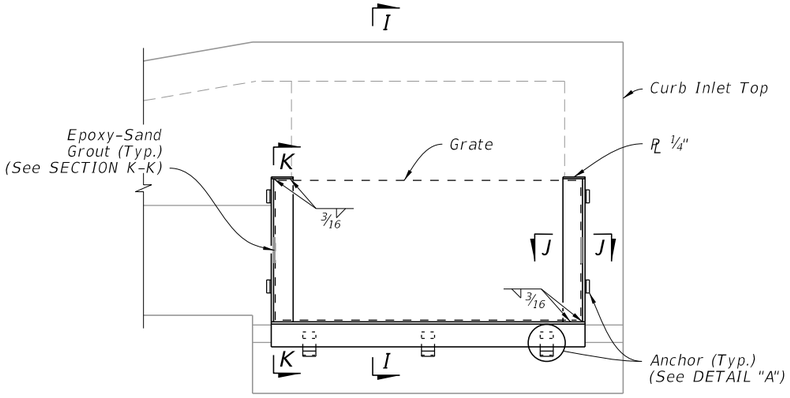


TYPICAL SECTION

NOTES:

1. All bar dimensions in the bending diagrams are out to out.
2. Welded Wire Reinforcement consists of Smooth or Deformed wire meeting the requirements of Specification 931.

ALTERNATE WELDED WIRE REINFORCING (WWR) DETAILS



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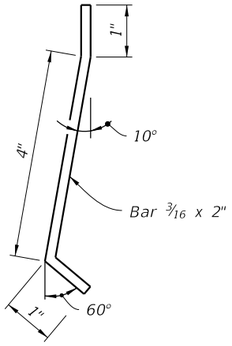
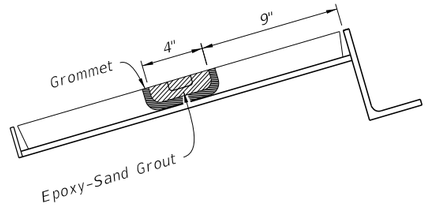
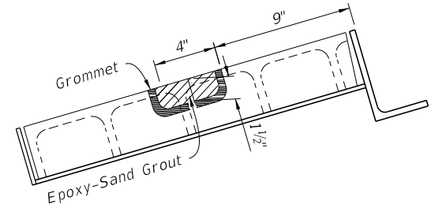


ANCHOR DETAIL "A"

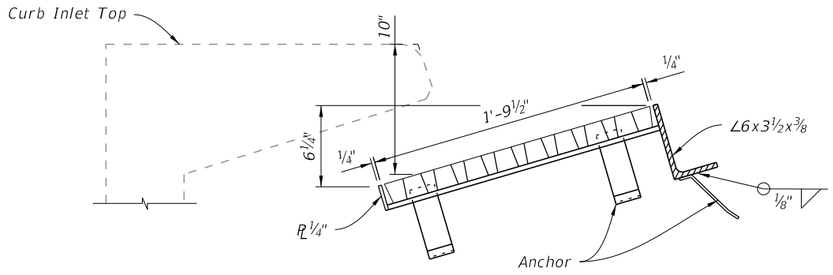


CAST IRON GRATE GROUTING DETAILS

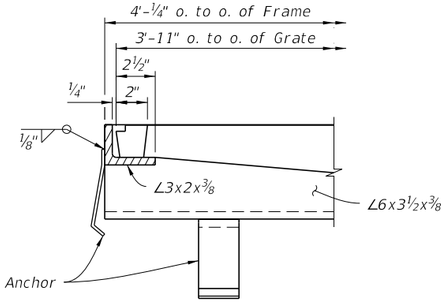


STEEL GRATE GROUTING DETAILS

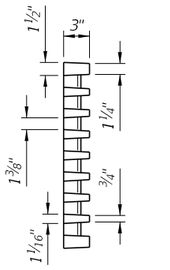
SECTION K-K



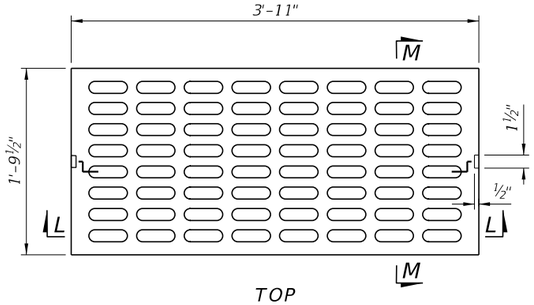
SECTION I-I



SECTION J-J



SECTION M-M



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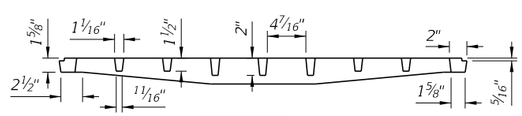
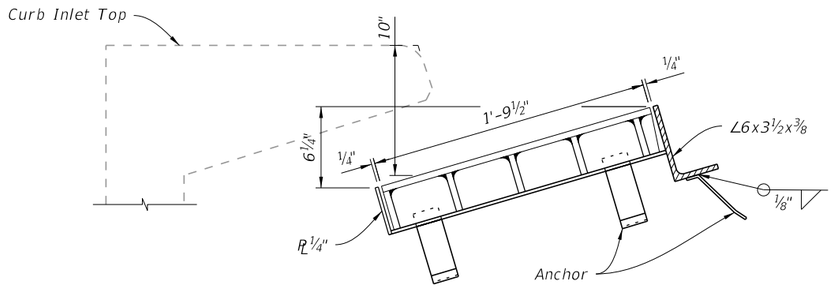
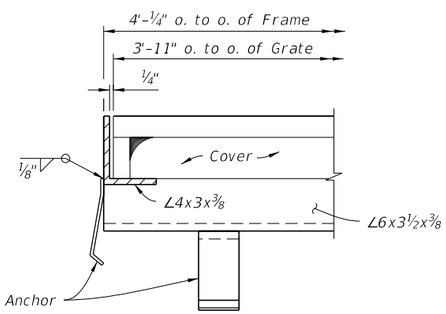


SECTION L-L

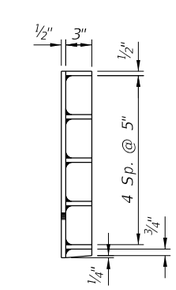
CAST IRON GRATE



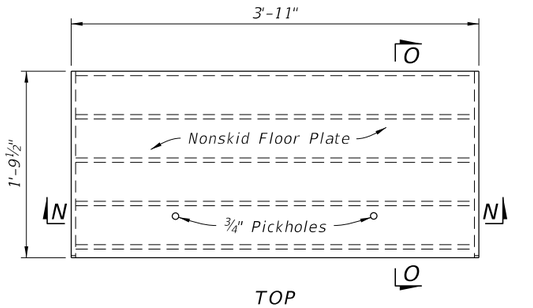
SECTION I-I



SECTION J-J



SECTION O-O



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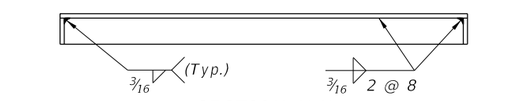

SECTION N-N

STEEL GRATE

GRATE, ANCHOR, AND GROUTING DETAILS

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/20			FY 2023-24 STANDARD PLANS	CURB INLET TOP TYPES 5 AND 6	425-021	7 of 7

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