

CAST IRON GRATES

TYPE C
Approx. Weight 235 Lbs.

TYPE E
Approx. Weight 465 Lbs.

TYPE H (3-GRATE INLET)
Approx. Weight 725 Lbs.

TYPE H (4-GRATE INLET)
Approx. Weight 967 Lbs.

STEEL GRATES

TYPE C
Straight Bars 2" x 1/2"
Reticulate Bars 1 1/2" x 3/8"
Bands 2" x 1/2"
Approx. Weight 104 Lbs.

TYPE D
Straight Bars 2" x 1/2"
Reticulate Bars 1 1/2" x 3/8"
Bands 2" x 1/2"
Approx. Weight 190 Lbs.

TYPE E
Straight Bars 2" x 1/2"
Reticulate Bars 1 1/2" x 3/8"
Bands 2" x 1/2"
Approx. Weight 215 Lbs.

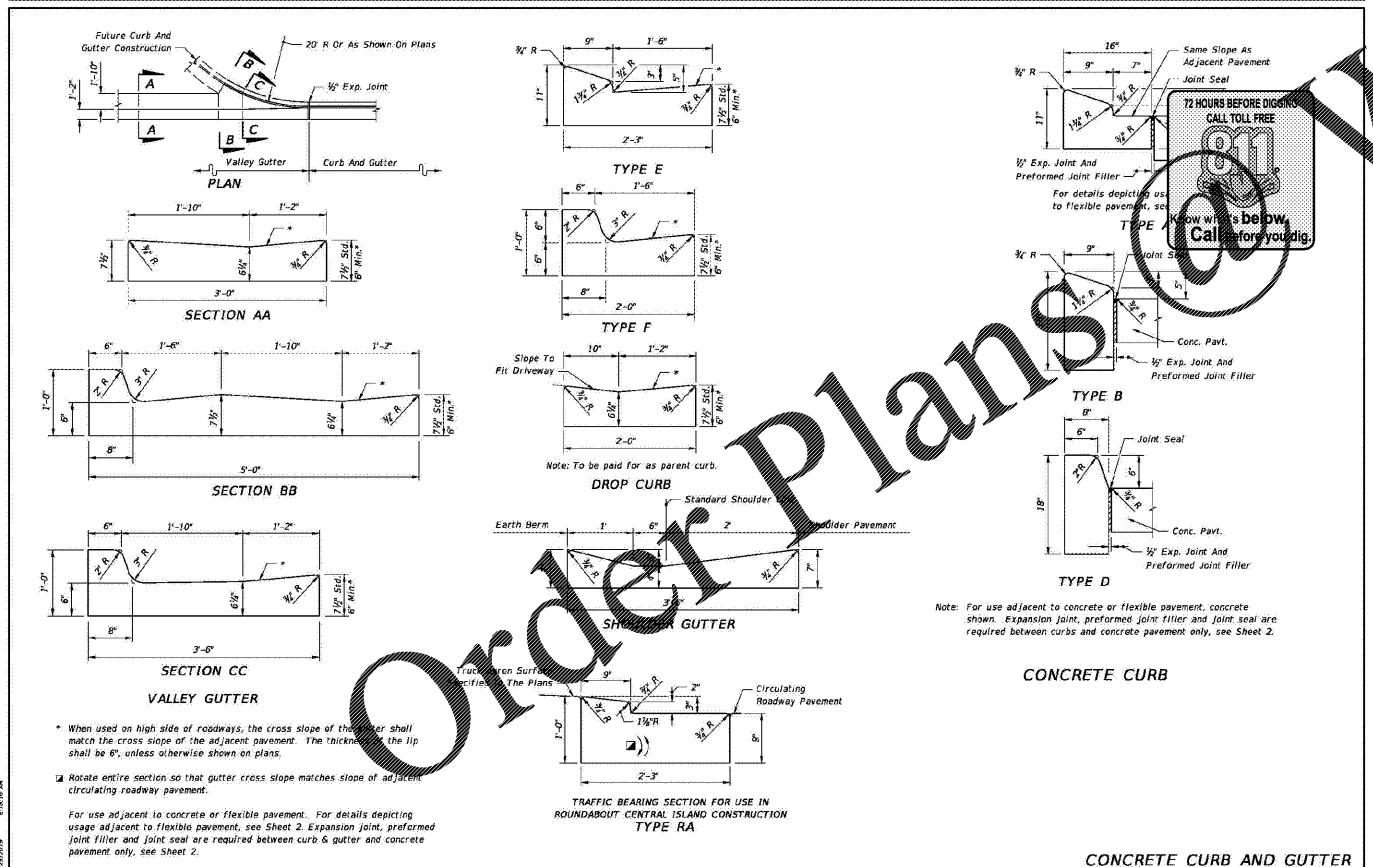
TYPE H (2-GRATE INLET)
Straight End-Bearing Bars 2" x 1/2"
Straight Bearing Bars 2" x 1/2"
Reticulate Bars 1 1/2" x 3/8"
Banding Bars 2" x 1/2"
Approx. Total Weight 310 Lbs.

TYPE H (4-GRATE INLET)
Straight End-Bearing Bars 2" x 1/2"
Straight Bearing Bars 2" x 1/2"
Reticulate Bars 1 1/2" x 3/8"
Banding Bars 2" x 1/2"
Approx. Total Weight 388 Lbs.

GENERAL NOTES

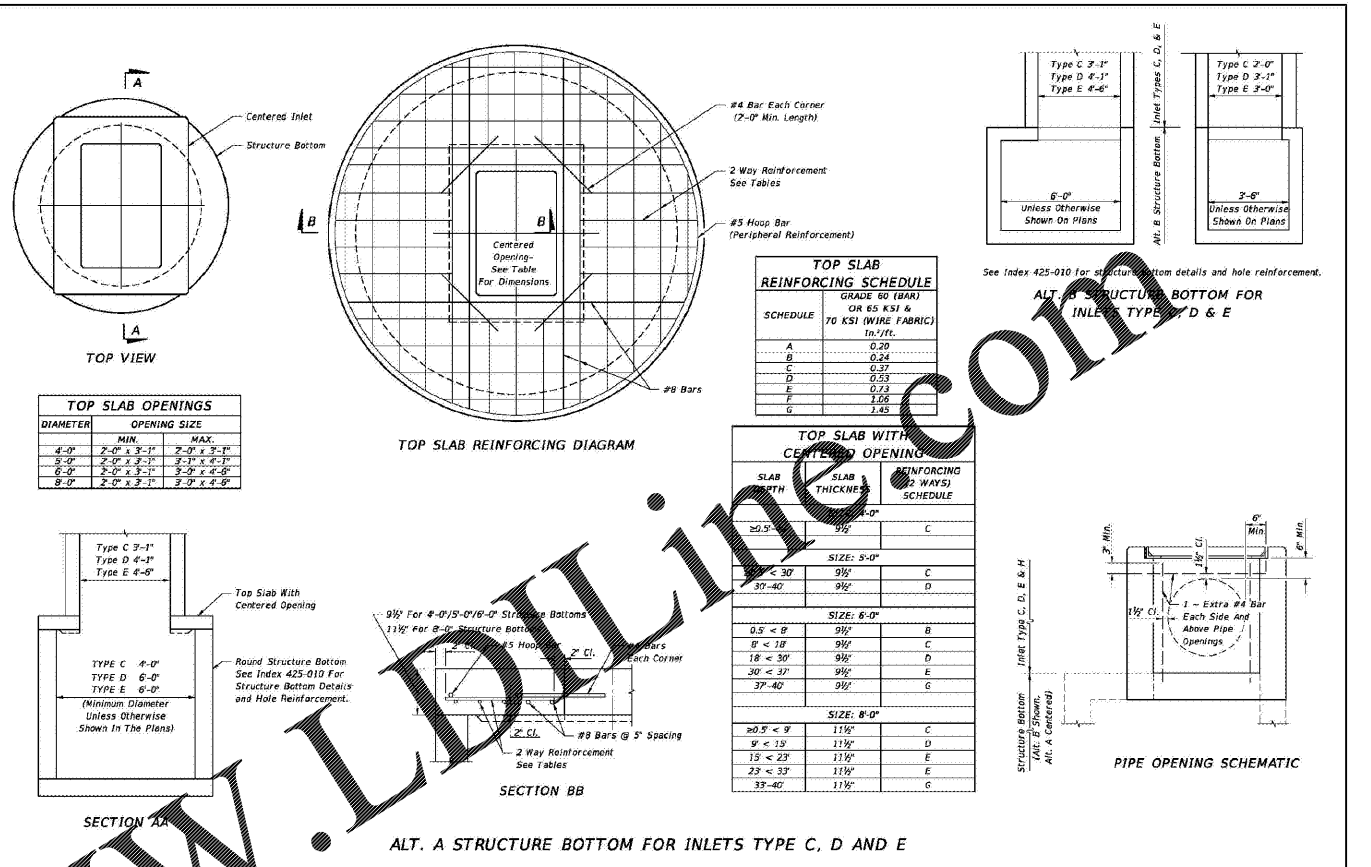
- These inlets are suitable for bicycle traffic and are to be used in ditches, medians and other areas subject to infrequent traffic loadings but are not to be placed in areas subject to any heavy wheel loads. These inlets may be placed in areas subject to occasional pedestrian traffic such as landscaped areas and pavement areas where pedestrians can walk around the inlet.
- Inlets subject to minimal debris should be constructed without slots. Where debris is a problem inlets should be constructed with slots. Slotted inlets located within roadway clear zones and areas subject to pedestrian traffic shall have traversable slots. The traversable slot modification is not adaptable to inlet Type H. Slots may be constructed at either or both ends as shown on plans. Traversable slots shall not be used in areas subject to occasional bicycle traffic.
- Steel grates are to be used on all inlets where bicycle traffic is anticipated. Steel grates are to be used on all inlets with traversable slots. Either cast iron or steel grates may be used on inlets without slots where bicycle traffic is not anticipated. Either cast iron or steel grates may be used on all inlets with non-traversable slots. Subject to the selection described above, when Alternate G grate is specified in the plans, other the steel grate, hot dip galvanized after fabrication, or the cast iron grate may be used, unless the plans stipulate the particular type.
- Recommended maximum pipe sizes shown are for concrete pipe. Size for other types of pipe must be checked for fit.
- All exposed edges and corners shall be 1/4" chamfer or tool to 1/4" radius.
- Concrete inlet pavement to be used on inlets without slots and inlets with non-traversable slots only when called for in the plans; but required on all traversable slot inlets. Cost to be included in contract unit price for inlets. Quantities shown are for information only.
- Traversable slots constructed in existing inlets shall be paid for as inlets partial. For conversion work and method of payment see TRAVERSABLE SLOT INLETS (PARTIAL) FOR EXISTING INLETS.
- Sodding to be used on all inlets not located in paved areas and paid for under contract unit price for Performance Turf, 5¢.
- For supplementary details see Index 425-010.
- All reinforcing is Grade 60 bars with 2" min. cover unless otherwise noted. Bars to be cut or bent for 1 1/2" clearance around pipe opening. Provide one additional #4 bar above and at each side of pipe opening.

LAST REVISION	DESCRIPTION:	FY 2020-21 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E AND H	INDEX	SHEET
11/01/17				425-052	3 of 7



CONCRETE CURB AND GUTTER

LAST REVISION	DESCRIPTION:	FY 2020-21 STANDARD PLANS	CURB AND GUTTER	INDEX	SHEET
11/01/17				520-001	1 of 2



LAST REVISION	DESCRIPTION:	FY 2020-21 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E AND H	INDEX	SHEET
11/01/17				425-052	7 of 7

19-1045 COVER - DETAILS BRD

DATE	5/7/2020
COMMENTS	
REVISIONS	
1	BAM
2	CHECKED
3	DATE
4	OCTOBER 2019
5	BID
6	BID
7	DESIGNED
8	19-1045
9	JOB NO.

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FLORIDA
 CHRISTIAN BROTHERS
 AUTOMOTIVE REPAIRS
 PAVING AND DRAINAGE DETAILS
 BREVARD COUNTY

BRUCE A. MOIA
 FL P.E. #47529
 DATE: 5/7/2020
 SHEET

C-19
 PERMITTING SET