

WELDED WIRE HOOP

(MIN. STEEL

AREA = 0.12 SQ. IN./FT.

BUNDLED A2

BARS (TYP. BOTH SIDES)

LID REINFORCING

A-BARS PLACED ON BOTTOM OF LID ONLY

SHOWING BOTTOM OF LID

**THICKNESS** 

WELDED WIRE

REINFORCEMENT TOP AND

BOTTOM OF LID

SEE TABLE AND NOTES

**BEGINNING OF CONCRETE CURB** 

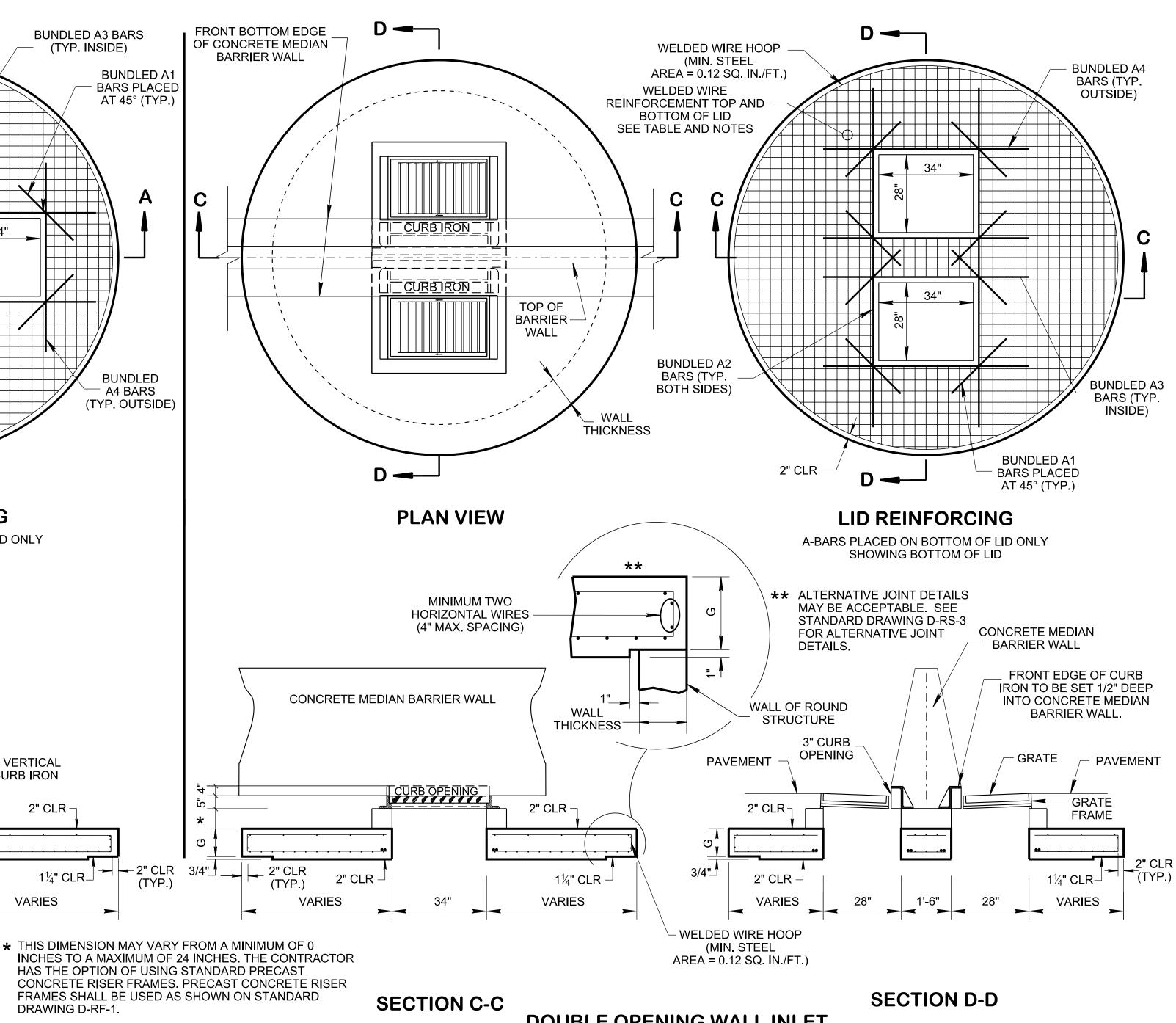
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**PLAN VIEW** 

\*\* ALTERNATIVE JOINT DETAILS

**CURB IRON** 

**CURB IRON** 



LENGTH

**BAR SHAPE LEGEND** SEE TABLE FOR A-BAR LENGTHS

7'-3"

8'-8"

8'-6"

9'-11"

9'-6"

10'-6"

9'-6"

1'-10"

2'-4"

2'-4"

2'-4"

2'-4"

2'-4"

2'-4"

A1 BAR | A2 BAR | A3 BAR | A4 BAR

5'-8"

5'-8"

6'-2"

5'-8"

6'-2"

5'-8"

6'-2"

4'-6"

5'-1"

6'-2"

5'-8"

6'-2"

5'-8"

6'-2"

## **DOUBLE OPENING WALL INLET USE FOR STRUCTURE NO. 31R ONLY**

## **GENERAL NOTES**

NUMBERS.

- ALL PRECAST ELEMENTS TO MEET ASTM C478 (CURRENT EDITION) AND AASHTO M199 (CURRENT EDITION) AND AASHTO LRFD UNLESS SUPERSEDED BY THE STANDARD
- THE FOLLOWING MATERIAL PROPERTIES ARE REQUIRED FOR PRECAST STRUCTURES:
  - CONCRETE: f<sub>c</sub> = 4,000 POUNDS PER SQUARE INCH AT 28 DAYS WWR MEETING ASTM A1064,  $F_y = 70,000$  POUNDS PER SQUARE INCH. DEFORMED WIRE SHALL BE USED FOR ALL LIDS.
  - REINFORCING STEEL: ASTM A615,  $F_v$ = 60,000 POUNDS PER SQUARE INCH ALL REINFORCING IS TO BE INSTALLED AS DETAILED.
- BOTTOM MAT OF WWR IN LIDS SHALL HAVE A MAXIMUM SPACING OF 4 INCHES IN EACH DIRECTION. IF REBAR IS USED, MAX. SPACING = 12" EACH DIRECTION.
- PAYMENT OF LID, GRATE, FRAME AND CURB IRON SHALL BE INCLUDED IN THE PRICE BID FOR ROUND STRUCTURES. SEE STANDARD DRAWING D-RS-1 FOR GENERAL NOTES & PAY ITEM
- REFER TO STANDARD DRAWINGS D-RS-2 AND D-RS-3 FOR ROUND STRUCTURES BASE DETAIL.

TOP MAT OF WWR SHALL HAVE A MINIMUM OF 0.12 SQ. INCH PER FT IN BOTH DIRECTIONS.

STATE OF TENNESSEE
STANDARD
ممسم DRAWING محج
DEPARTMENT OF TRANSPORTATI

**ROUND LID DETAILS** FOR DOUBLE CURB AND WALL INLET

D-RL-2

01-06-2024