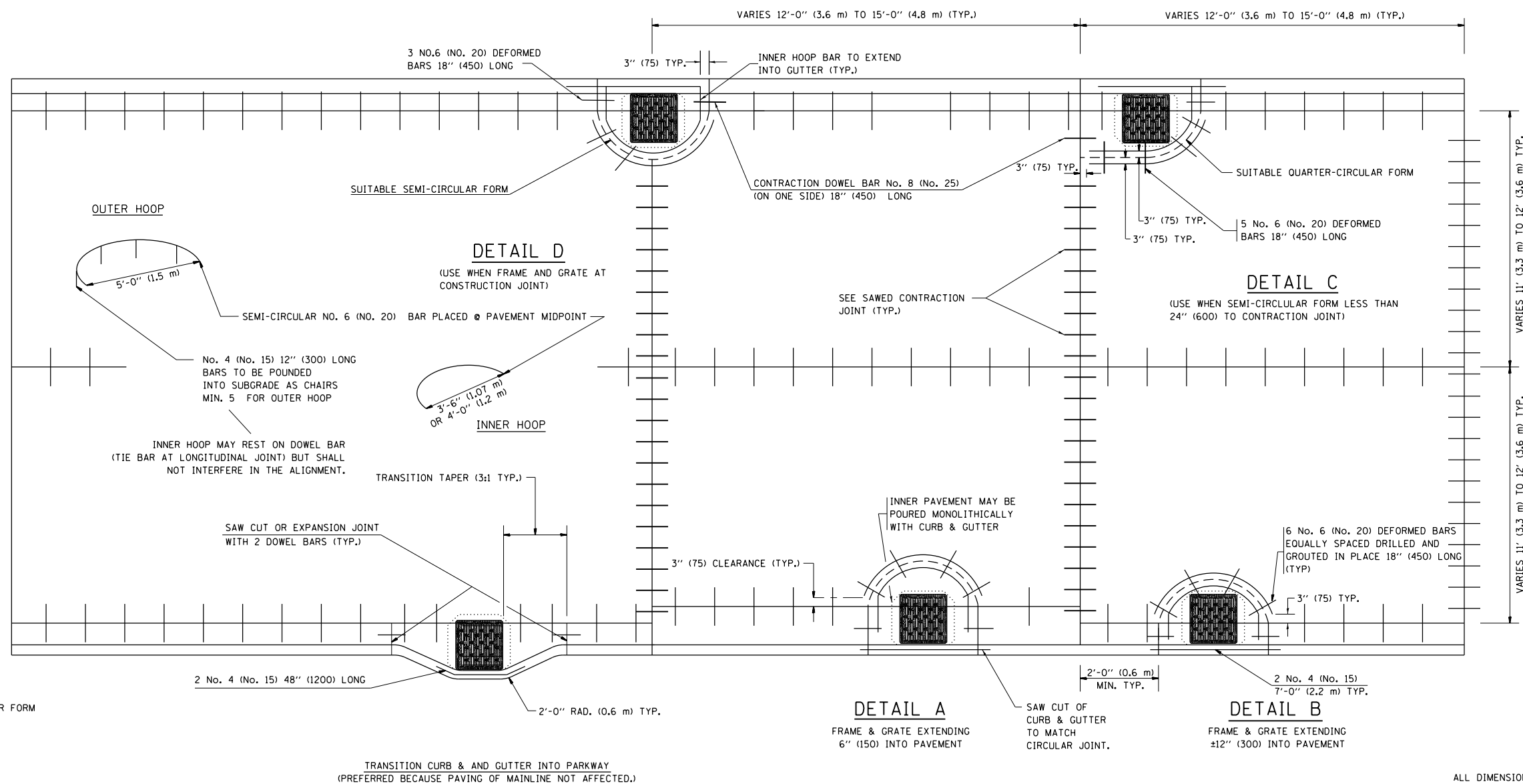| FRAME EXTENSION INTO PAVEMENT	INNER HOOP REINFORCEMENT DIAMETER	SEMI CIRCULAR FORM DIAMETER	OUTER HOOP REINFORCEMENT DIAMETER
UP TO 8" (200)	3'-6" (1.1 m)	4'-0" (1.2 m)	5'-0" (1.5 m)
> 8" (200) TO 14" (360)	4'-0" (1.2 m)	4'-6" (1.4 m)	5'-0" (1.5 m)

NOTES :

1. THE ROUNDOUT AND ADDED REINFORCEMENT WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAVEMENT.

2. TRANSVERSE JOINTS MAY BE MOVED TO ACCOMMODATE ROUNDOUT, EDGE OF CIRCULAR JOINT SHALL BE MINIMUM 12" (300) FROM TRANSVERSE JOINT. RELOCATED TRANSVERSE JOINT SHALL BE CONTINUOUS FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.

3. SEMI-CIRCULAR FORM SHALL BE REMOVED PRIOR TO DRILL AND GROUT OF TIE BARS.

4. ALL REINFORCED BARS SHALL BE EPOXY COATED.

5. DRILL AND GROUT IS PREFERRED, HOWEVER TIE BARS CAN BE POURED IN PLACE IF CLEARANCE IS PROVIDED TO OUTER EDGE OF FRAME. MINIMUM 2" (50) CLEARANCE.

6. WOOD SHIMS SHALL BE USED TO ADJUST ALL FRAMES. AFTER ADJUSTING MORTAR HAS CURED, THE WOOD SHIMS SHALL BE REMOVED AND THE VOIDS UNDER THE FRAMES FILLED WITH NON SHRINK GROUT.

7. HOOP REINFORCEMENT SHALL BE ONE PIECE CONSTRUCTION.

8. CIRCULAR FRAMES AND GRATES MAY BE SUBSTITUTED.

9. CURB DOWELS MUST BE PLACED LEVEL & TRUE TO ALLOW CONTRACTION MOVEMENT.

DESIGNER NOTE:
THIS DETAIL IS TO BE USED WHEN THE GUTTER FLAG IS LESS THAN 24"

VARIES 12'-0" (3.6 m) TO 15'-0" (4.8 m) (TYP.)

VARIES 12'-0" (3.6 m) TO 15'-0" (4.8 m) (TYP.)

3 NO.6 (NO. 20) DEFORMED BARS 18" (450) LONG

3" (75) TYP.

INNER HOOP BAR TO EXTEND INTO GUTTER (TYP.)

SUITABLE SEMI-CIRCULAR FORM

CONTRACTION DOWEL BAR No. 8 (No. 25) (ON ONE SIDE) 18" (450) LONG

3" (75) TYP.

SUITABLE QUARTER-CIRCULAR FORM

3" (75) TYP.

3" (75) TYP.

5 No. 6 (No. 20) DEFORMED BARS 18" (450) LONG

OUTER HOOP

5'-0" (1.5 m)

DETAIL D
(USE WHEN FRAME AND GRATE AT CONSTRUCTION JOINT)

SEE SAWED CONTRACTION JOINT (TYP.)

DETAIL C
(USE WHEN SEMI-CIRCLULAR FORM LESS THAN 24" (600) TO CONTRACTION JOINT)

SEMI-CIRCULAR NO. 6 (NO. 20) BAR PLACED @ PAVEMENT MIDPOINT

No. 4 (No. 15) 12" (300) LONG BARS TO BE POUNDED INTO SUBGRADE AS CHAIRS MIN. 5 FOR OUTER HOOP

3'-6" (1.07 m) OR 4'-0" (1.2 m)

INNER HOOP

INNER HOOP MAY REST ON DOWEL BAR (TIE BAR AT LONGITUDINAL JOINT) BUT SHALL NOT INTERFERE IN THE ALIGNMENT.

TRANSITION TAPER (3:1 TYP.)

INNER PAVEMENT MAY BE POURED MONOLITHICALLY WITH CURB & GUTTER

6 No. 6 (No. 20) DEFORMED BARS EQUALLY SPACED DRILLED AND GROUTED IN PLACE 18" (450) LONG (TYP)

3" (75) TYP.

SAW CUT OR EXPANSION JOINT WITH 2 DOWEL BARS (TYP.)

3" (75) CLEARANCE (TYP.)

2'-0" (0.6 m) MIN. TYP.

2 No. 4 (No. 15) 48" (1200) LONG

2'-0" RAD. (0.6 m) TYP.

DETAIL A
FRAME & GRATE EXTENDING 6" (150) INTO PAVEMENT

SAW CUT OF CURB & GUTTER TO MATCH CIRCULAR JOINT.

2 No. 4 (No. 15) 7'-0" (2.2 m) TYP.

DETAIL B
FRAME & GRATE EXTENDING ±12" (300) INTO PAVEMENT

VARIES 11' (3.3 m) TO 12' (3.6 m) TYP.

VARIES 11' (3.3 m) TO 12' (3.6 m) TYP.

LEGEND:

.... CASTING

– – – – – SUITABLE SEMI-CIRCULAR FORM

TRANSITION CURB & AND GUTTER INTO PARKWAY
(PREFERRED BECAUSE PAVING OF MAINLINE NOT AFFECTED.)

ALL DIMENSIONS ARE IN INCHES
(MILLIMETERS) UNLESS OTHERWISE NOTED