shoulder
paved
Edge of
casting
Drainage
joint
Expansion
joint
Contraction
joints

No. 6 (No. 13) rebar
placed at mid-depth
(one each side of casting)

No. 4 (No. 13) rebar
placed at mid-depth
with HMA shoulders

with pcc shoulder joints
or at 25' (7.6 m) cts.
Placed in prolongation

Flow line
min. 3' (1 m)

Flow line
min. 3' (1 m)

with HMA shoulders

1x18 (25x450)
dowel bar

1x18 (25x450)
dowel bar

3'-0"
(1.8 m)

4'-9"
(1.45 m)

6'-0"
(1.8 m)

27 1/2

450

12 3/4

250

6

18

EXPANSION JOINT

SECTION D-D

SECTION C-C

SECTION A-A

SECTION B-B

PLAN

TYPE A GUTTER

(inlet, outlet & entrance)

QUANTITY OF CONCRETE
Section A-A to C-C
0.93 cu. yd. (0.71 m³)

All dimensions are in inches (millimeters)
unless otherwise shown.

DATE

REVISIONS

4-1-16
Changed terminology to
‘welded wire reinforcement’

1-1-09
Switched units to
English (metric). Changed
radii, adjusted qty’s.

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2016

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ISSUED
1-1-97

PASSED
April 1,
2016

STANDARD 606101-05

**QUANTITIES OF CONCRETE**

Commercial Entrances:
Section B-B to C-C = 0.25 cu. yd./ft. (0.50 m³/m).
Section (A-A to B-B) + (C-C to D-D) = 2.26 cu. yd. (1.73 m³).

All Other Entrances:
Section B-B to C-C = 0.20 cu. yd./ft. (0.50 m³/m).
Section (A-A to B-B) + (C-C to D-D) = 1.79 cu. yd. (1.37 m³).

**NOTE:**
Welded wire reinforcement shall be installed at mid-depth from Section A-A to D-D.
(58 lbs./100 sq. ft. [2.83 kg/m²]).

**Sections A-A & D-D**

- Rolled edge
- Dowel bar

**Sections B-B & C-C**

- 3" R
- 6'-0" (1.8 m)
- 4'-0" (1.2 m)
- 24" (600 mm)
- 5'-0" (1500 mm)

* 8 (200) for commercial entrances and 6 (150) for all others.
NOTE
If the average grade of pavement for the distance A-D exceeds 2%, this distance shall be increased 6' (1.8 m) for each 1% increase in grade.

QUANTITY OF CONCRETE
Section A-A to Section E-E + curtain wall = 3.53 cu. yd. (2.70 m³) of concrete.
Section F-F = 0.079 cu. yd./ft. (0.2 m³/m).

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TYPE A GUTTER
(INLET, OUTLET & ENTRANCE)

STANDARD 606101-05

(Sheet 3 of 3)