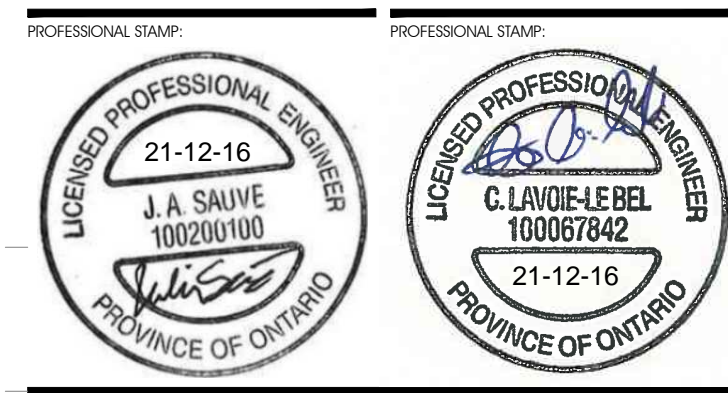


RECORD OF REVISIONS

1	ISSUED FOR SITE PLAN APPROVAL	DECEMBER 16, 2021
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PRELIMINARY 33%
NOT FOR CONSTRUCTION



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PROJECT FILE:
FASTFRATE OTTAWA WAREHOUSE AND DISTRIBUTION FACILITY
SCALE: NONE
SOMMIE ST. OTTAWA, ON

DETAILS

DRAWN BY: D.CANN DRAWING NUMBER:
DATE: REVISED BY: J.SAUVE **C017**
APPROVED BY:
PRINT DATE: NOVEMBER 26, 2021 REVISION NUMBER:
SHEET DATE: NOVEMBER 26, 2021
CLIENT PROJECT #: PROJECT #:

A001083

TABLE 1 - NUMBER OF RODS IN FRAME

PIPE DIA	No of RODS
450	1
525	1
600	2
675	3
750	3
825	4
900	4
975	5
1050	6
1200	7

TABLE 2 - NUMBER OF RODS IN FIXED UPPER FRAME

PIPE DIA	No of RODS
1350	1
1500	2
1650	3
1800	4
1950	5
2100	6
2250	7
2400	8

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2018 Rev 2
GRATING FOR CONCRETE ENDWALL
OPSD 804.050

SPLICE BOLT AND NUT

LOCATION	LENGTH
At posts	32
At structure anchor	38

ARRANGEMENT AT POST WOODEN POST SHOWN

NOTES:
1 Base metal thickness of rail shall be 2.67mm nominal and 2.44mm minimum.
2 Holes only in rail.
A All dimensions subject to manufacturing tolerances unless otherwise indicated.
B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2010 Rev 2
GUIDE RAIL SYSTEM, STEEL BEAM RAIL COMPONENT
OPSD 912.101

POST BOLT AND HOLE

Hole Dia	Post Bolt Size and Type
18	16x460 BH
18	16x310 CaB

NOTES:
1 Washer shall not be installed at front face of rail. One bolt located at centre of steel beam guide rail.
A Wooden posts and offset blocks shall be 190x190mm. Posts to have 25mm chamfer.
B Steel beam guide rail mounting heights shall be as specified.
C This OPSD to be read in conjunction with OPSD 912.101 and 912.102.
D All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2010 Rev 2
GUIDE RAIL SYSTEM, STEEL BEAM WOODEN POST ASSEMBLY INSTALLATION - SINGLE RAIL
OPSD 912.140

LEGEND:
D - Inside diameter

NOTES:
1 Height of fill is measured from the finished surface to top of pipe.
2 The pipe bed shall be compacted and shaped to receive the bottom of the pipe.
3 Pipe culvert frost treatment shall be according to OPSD 803.030 and 803.031.
4 Condition of excavation is symmetrical about centreline of pipe.
A Granular material placed in the haunch area shall be compacted prior to placing and compacting the remainder of the embedment material.
B Soil types as defined in the Occupational Health and Safety Act and Regulations for Construction Projects.
C All dimensions are in metres unless otherwise shown.

CLEARANCE TABLE

Pipe Inside Diameter	Clearance
mm	mm
900 or less	300
Over 900	500

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 3
FLEXIBLE PIPE EMBEDMENT AND BACKFILL EARTH EXCAVATION
OPSD 802.010