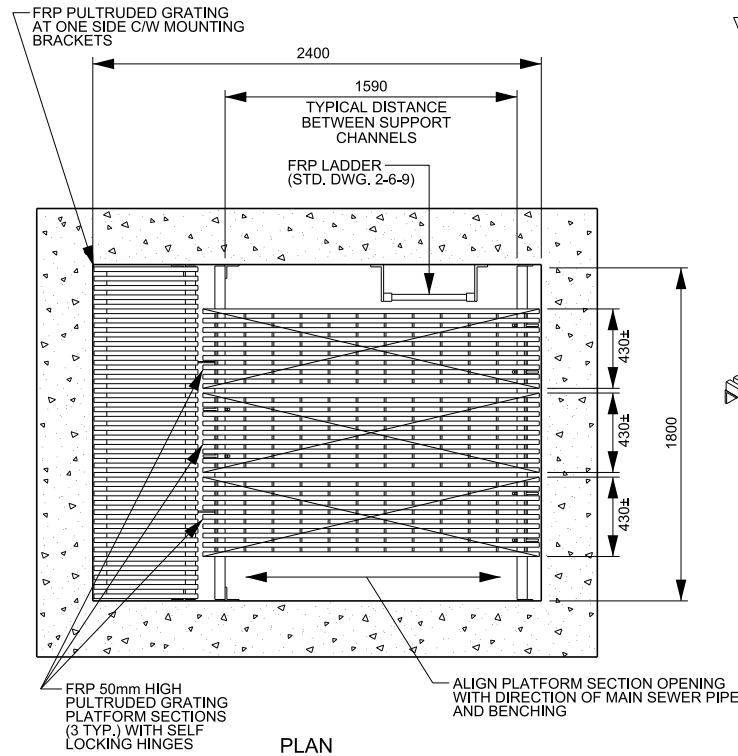
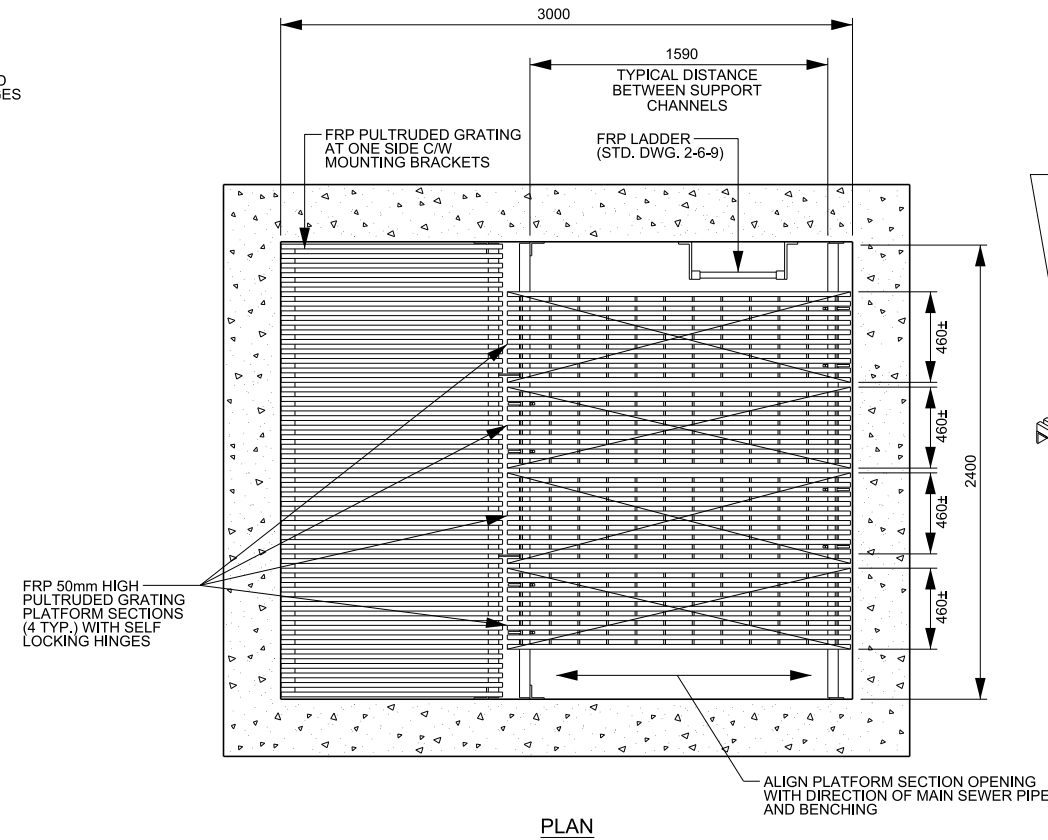
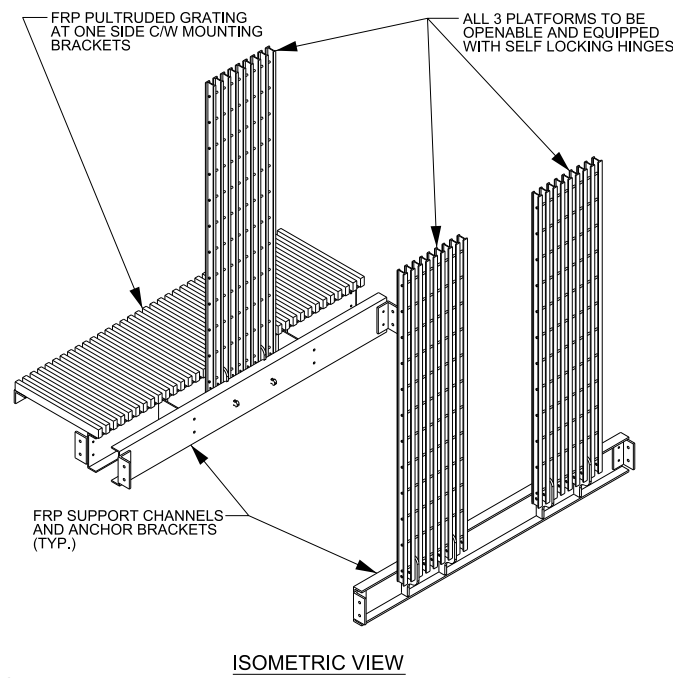


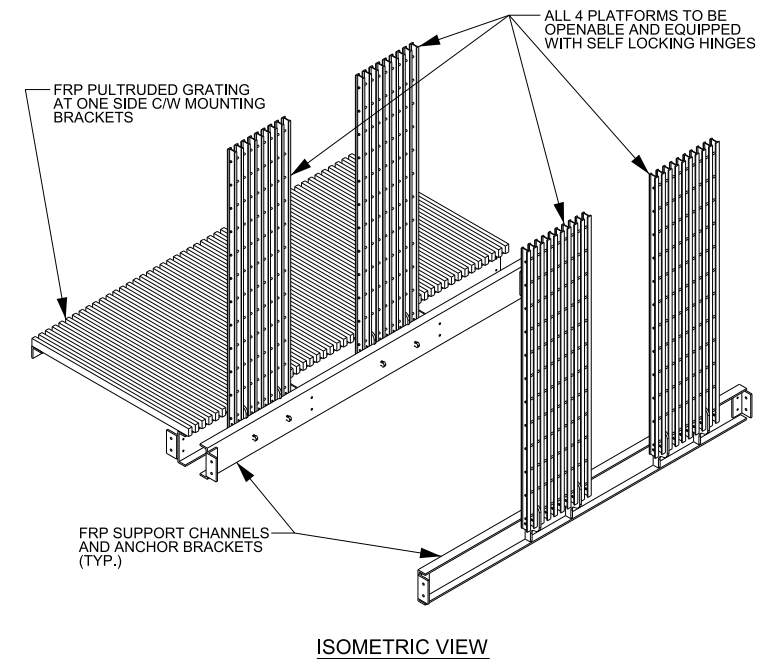
NOTE: SAFETY PLATFORM CONFIGURATIONS ARE SHOWN FOR TYPICAL PRECAST RECTANGULAR MAINTENANCE HOLES. ALTERNATE PLATFORM CONFIGURATIONS MAY BE REQUIRED FOR SPECIFIC PROJECT DESIGNS, DUE TO BENCHING OR PIPE CONFIGURATIONS, OR TO ALLOW PROPER ACCESS. ALTERNATE CONFIGURATIONS MAY BE PROVIDED WITH ENGINEER APPROVED EQUAL AND STAMPED SHOP DRAWINGS (SEE NOTE 6).



TYPICAL PLATFORM CONFIGURATION
1800x2400 MAINTENANCE HOLE
WITH 3 HINGED PLATFORM SECTIONS



TYPICAL PLATFORM CONFIGURATION
2400x3000 MAINTENANCE HOLE
WITH 4 HINGED PLATFORM SECTIONS



NOTE

1. REFER TO STANDARD DRAWING 2-5-1, 2-7-1 AND 2-8-1 FOR GENERAL NOTES PERTAINING TO PRECAST OR CPP MAINTENANCE HOLES.
2. ALL BOLTS, NUTS AND WASHERS SHALL BE 316 STAINLESS STEEL UNLESS OTHERWISE INDICATED IN PROJECT DESIGN.
3. ALL WALL BRACKETS AND MOUNTING BRACKETS SHALL BE MOLDED FRP.
4. ALL FRP SHALL BE MANUFACTURED IN ACCORDANCE WITH CAN/CGSB 41.22-93 OR ASTM 3647.
5. ALUMINUM TO BE OF APPROVED ALLOY. AT ALL POINTS WHERE ALUMINUM AND CONCRETE COME INTO CONTACT (ENDS OF ANGLES) ALUMINUM SURFACES TO BE COATED WITH ZINC CHROMATE OR TWO COATS OF STATIC ASPHALT PAINT.
6. SUBMIT SHOP DRAWINGS FOR ALL PLATFORMS TO THE CONTRACT ADMINISTRATOR FOR REVIEW AND COMMENT. ALL DRAWINGS SHALL BEAR THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER LICENSED TO PRACTISE IN ONTARIO.
7. PLATFORMS SHALL BE USED IN ALL CHAMBERS 5.0m OR GREATER IN DEPTH, MEASURED FROM TOP PLAIN OF COVER TO PIPE INVERT.
 - a) IN A CHAMBER 5.0m DEEP, A SINGLE PLATFORM SHALL BE POSITIONED AT 2.4m (MAX.) FROM TOP PLAIN OF COVER.
 - b) IN A CHAMBER WITH A DEPTH GREATER THAN 7.6m, A PLATFORM SHALL BE POSITIONED AT 2.5m (MAX.) FROM TOP PLAIN OF COVER AND 300mm (MAX.) ABOVE OBVERT OF PIPE.
 - c) ADDITIONAL PLATFORMS SHALL BE ADDED AND SPACED EQUALLY BETWEEN TOP AND BOTTOM PLATFORMS REFERENCED IN b) SO THAT THE MAXIMUM SPACING BETWEEN PLATFORMS SHALL NOT EXCEED 5.0m (MAX.).
8. TOP SAFETY PLATFORM TO BE PLACED AT MAX 2.4m FROM TOP COVER.
9. BOTTOM SAFETY PLATFORM TO BE POSITIONED 300mm ABOVE PIPE OBVERT UNLESS RECESSED BENCHING AND LADDER REQUIRED FOR LARGE DIAMETER SANITARY SEWERS.
10. BOTTOM OUTLET OF DROP STRUCTURES TO BE LOCATED BELOW SAFETY PLATFORM.
11. WHERE OBVERT OF BOTTOM DROP PIPE TO CENTRELINE OF INCOMING SEWER PIPE EXCEEDS 1500mm, SAFETY PLATFORM TO BE INSTALLED AT 1m BELOW CENTRELINE OF INCOMING SEWER PIPE OPENING.
12. ALL PLATFORM SECTIONS ARE TO BE EQUIPPED WITH SELF LOCKING HINGE.
13. ALL ANCHOR INSERTS IN AWWA C300 SERIES (CPP) TO BE FACTORY INSTALLED. INSERT HARDWARE AND INSTALLATION DETAILS PROVIDED BY PIPE MANUFACTURER, BASED ON LOAD REQUIREMENTS NOTED BY SAFETY PLATFORM MANUFACTURER.
14. ALL ANCHOR INSERTS IN PRECAST TO BE FIELD INSTALLED WHERE REQUIRED, AS PER DESIGN REQUIREMENTS.

NOTE: FRP PRODUCTS TO BE PROVIDED BY ACCESS INDUSTRIAL OF MISSISSAUGA (OR APPROVED EQUAL)



PUBLIC WORKS
STANDARD DRAWING

REV. DATE: NOVEMBER 2019

REVISION NUMBER: 1 FOR REVISION TRACKING REFER TO STD. DWG. 2-0-2

APPROVED BY DRAWN BY

A.P. AINLEY GROUP

STD. DWG. NUMBER SCALE

2-5-12 N.T.S.

NEW SANITARY SEWER CONSTRUCTION
TYPICAL SAFETY LANDING PLATFORM CONFIGURATIONS
FOR PRECAST RECTANGULAR CHAMBERS