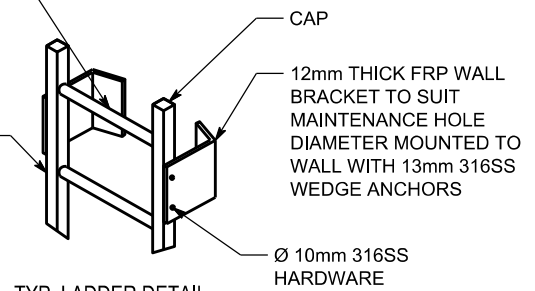


Ø 32mm FLUTED FRP RUNGS MECHANICALLY ATTACHED WITH FRP DOWELS AND CHEMICALLY BONDED WITH EPOXY ADHESIVE

44mm x 44mm x 6mm FRP SQ. TUBE



REMOVABLE LADDER SECTION NOTES:

1. REMOVABLE LADDER SECTIONS TOP BRACKETS SHALL BE AS PER DETAIL B.
2. FOR MAINTENANCE HOLES THAT HAVE REMOVABLE LADDER SECTIONS, THE TOP BRACKET ON THE PERMANENT LADDER SHALL BE MODIFIED TO ALLOW FOR THE LOWEST RUNG ON THE REMOVABLE LADDER TO FIT INTO THE BRACKET, BEHIND THE PERMANENT RUNG. SEE DETAIL C. THE BOTTOM REMOVABLE LADDER RUNG SHALL BE APPROXIMATELY 1/2 RUNG DIAMETER LOWER THAN THE TOP PERMANENT LADDER RUNG. UNDER NO CIRCUMSTANCES SHALL IT BE HIGHER THAN THE PERMANENT LADDER RUNG.
3. REMOVABLE LADDER WALL BRACKETS SHALL BE MANUFACTURED FOR BOTH SQUARE AND ROUND MAINTENANCE HOLES, TO SUIT THE DIAMETER.
4. THE LADDER REMOVED FROM THE BRACKET IS SHOWN IN DETAIL D.
5. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR BOTH PERMANENT AND REMOVABLE LADDER SECTIONS FOR ALL MAINTENANCE HOLES.

All dimensions are in millimetres unless otherwise shown.

LADDER NOTES:

1. ALL BOLTS, NUTS, AND WASHERS SHALL BE MADE OF TYPE 316 STAINLESS STEEL.
2. ALL FRP BRACKETS SHALL BE MANUFACTURED AS PER CAN/CGSB 41.22-93.
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.
4. CONTRACTOR TO PROVIDE SHOP DRAWING DETAILING EXACT MH DIMENSIONS WITH LADDER DETAILS.
5. FRP PRODUCTS TO BE PROVIDED BY ACCESS INDUSTRIAL OF MISSISSAUGA (OR APPROVED EQUAL).



ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING

REV 0

SEP 2019

FRP LADDER

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SHEET 1