

A Work Included

This specification is intended to cover the supply of all materials, equipment and labour necessary to fabricate and install the parapet railing system as shown on the plans, and supplied by AMG Metals Inc.

B Materials	Aluminum	Steel
Posts	A44.2 Alloy	ASTM A 27-60
Rails	6061 or 6351T6 Alloy	ASTM A36
End Plugs	135- F Alloy	ASTM A27-60
Set Screws	Type 304 Stainless Steel	Galvanized steel
Anchorage	AMG 2U	AMG 2U
Bolts, nuts and washers	Galvanized Steel	Galvanized Steel

C Workmanship

All workmanship shall be to the best available practice in modern structural shops. Care shall be taken in handling to prevent scratching and marking.

All aluminum welding shall be carried out to the latest issue of CSA Standard 47.2-1987 welding shall be done using either the MIG or TIG process.

Steel welding shall be according to specification W 47.1 Electrodes shall be low hydrogen E7015 or E7018.

D Installation

It shall be the responsibility of the general contractor to set all anchor bolts in accordance with the engineer's approved drawings. All anchor bolts in any continuous run of railing shall be set to ensure equal spacing of the bolts. The finished concrete at all posts shall be smooth and true. Posts shall be set vertical and all rails shall be erected true to line and parallel to top of concrete. Aluminum posts in contact with concrete shall be painted by the installer with two coats of alkali resistant bituminous paint. Anchor bolts shall be insulated from aluminum posts by means of nylon bushings.

E Finish

All materials of steel shall be hot dipped galvanized after fabrication.

F Basis of payment

Payment will be made per lineal metre of rail installed as measured along top of the rail from end post to end post and shall be full compensation for all labour, materials and equipment to complete the work as specified.

This brochure supplies information on a number of railing systems for both vehicular and pedestrian use in both steel and aluminum.

The steel parapet railings have been designed by M.T.O. Ontario to meet their requirements on concrete parapets or the New Jersey design concrete barrier.

The type 100, 200, 300 and 400 aluminum railings were designed to meet AASHO requirements.

The type 677, 636, 600 and pedestrian rails are designed for use where vehicular traffic is not the major consideration. They meet the requirements of the National Building Code, however, when used in conjunction with a concrete parapet such as the Type T-77, they will meet the AASHO Loading requirements. Our staff is fully qualified to discuss any of these railing systems with you, or to suggest other custom designed rails to meet your specific needs.

We trust you will find this brochure useful and we look forward to being of service to you.



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