

Q41 Barriers/ guardrails

To be read with Preliminaries/ General conditions.

TYPES OF BARRIERS/ GUARDRAILS

- 111 ENTRANCE RAILINGS AND GATES
Refer to drawings MLA/369/C/350
- Standard: To BS 7818.
 - Manufacturer: Submit proposals.
 - Product reference: Purpose made mild steel welded construction as section Z11.
 - Height above datum (minimum): 1100mm above finish entrance landing level.
 - Rails and posts:
 - Material/ Protection: Mild steel flats (top rail; base rail and ends and RHS posts. Hot spray zinc as G10 .
 - Balusters:
 - 20mm diameter mild steel rods
 - Material/ Protection: Hot spray zinc as G10.
 - Surface finish: Powder coating as section Z31.
 - Colour/ Texture: RAL 6006 Grey Olive, satin.
 - Minimum film thickness: 60 micrometres.
 - Foundations: To Structural Engineer's requirements.
 - Fixings: Allow for continuous steel base plate with post fixed anchors into concrete base, detail to be developed with sub-contractor.
 - Material for fixings: Similar material or coating to the connected items, or isolating washers/ bushes provided to prevent bimetallic corrosion.
 - Other requirements:
 - Handrail system as clause 241
 - Junctions between existing and new structures / elements: to be flush to ensure no trip hazards or ponding..
 - Performance verification: Submit a certificate of the restraint system's conformity to BS 7818, issued by a United Kingdom Accreditation Service (UKAS) independent laboratory, prior to ordering materials.
 - Production inspection of posts: Required.
(Revised - Q41 revision C3 - 24th May 2016)
- 241 HANDRAIL SYSTEMS TO RAILINGS CLAUSE 111
Refer to Architects drawing MLA/369/C/350
- Material: As clause 111.
 - Cross section: As drawing MLA/369/C/350.
 - Finish:
 - PPC to match railings, RAL 6006 Grey Olive .
 - Height above ground surface (to upper surface of handrail):
 - Upper handrail: 900 mm .
 - Lower handrail: Not applicable .
 - Other Requirements: No vertical steps permitted .
(Revised - Q41 revision C3 - 24th May 2016)