

Replacement of non-original railings on front steps of 560-562 Tremont with building code compliant railings

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Existing Railings



New Railing Design



New Railing Design Specs

Custom-made 16' railings insert.

Material:

- Post 1 ½"x1 ½"
- Top Tube 2"x1"
- Baluster ½" Square solid
- Flat bar 1 ½"x ¼"
- Primed and painted oil base color flat black.

Reproduce original style up to the codes.

Railings or Guardrails are required for anything over 30 inches high. 780 CMR 3603.14.2. Guardrail system the top rail should be 42 inches (plus or minus 2 inches) over the walking-working surface, but may be over 45 inches in some instances. 521 CMR 27.4521 CMR - 27.4.2

Height: Top of handrail gripping surface shall be mounted between 34 inches (34" = 864mm) and 38 inches (38" = 965mm) above stair nosing. Handrails shall be measured vertically from the top of the gripping surface of the handrails to the stair nosing.

In Massachusetts, ramps must provide a clear width measuring 48 inches measured between the handrails. The MAAB has a more stringent requirement than the ADA Design Standards, which only require a ramp to provide a clear width of 36 inches.

In Massachusetts, handrails must be provided on both sides of a ramp with both an upper (at a height of 34" – 38") and a lower (at a height of 18" – 20") handrail. Again, the MAAB has a more stringent requirement than the ADA Design Standards which only require one handrail on each side located at a height of 34" – 38".

