NOTES

GENERAL: Locate the top of the integral wall 1" to 3" above ground line.

TYPE A: Fabricate hand railing and stair posts from nominal size 1" diameter, 0.145" wall thickness steel pipe meeting the requirements of the Specification for Welded and Seamless Steel Pipe ASTM A 53 Standard Weight. Schedule Number 40, or aluminum pipe meeting the requirements of the Specification for Aluminum-Clad Pipe ASTM B 241, B663 T6 4SA, Schedule Number 40.

Galvanize steel handrails and stair posts after fabrication, as specified in ASTM A 923. Field weld splices for steel railing. Re-galvanize areas in which the spelter coating has been damaged, as specified in AASHTO M 36, Section 34. Metallizing process or repair under the direction of the engineer with stick-form galvanizing repair compound meeting Federal Specification G-G-355.

Install a single handrail to the right side of the stairs, facing up, unless otherwise shown on the plans.

For stair widths greater than 41", a handrail is required on both sides of the stairs. Install hand railings on both sides of stairs that are less than 43" wide, when required by the plans.

Provide splices for aluminum railing with internal sleeves, and after welding, be smooth and water tight.

Cast-in-place or set stair posts in sockets filled with 1:3 proportioned cement mortar. Provide a heavy coating of asphalt varnish or coal-tar pitch paint (both inside and outside) to the portion of aluminum stair posts set into concrete or mortar. Embed the stair posts a minimum depth 4".

Install stair posts and handrails free of burrs, or sharp projections.

LEGEND

- Handrail
- Integral Wall
- Stair post (Typ.)
- Groundline
- Joint Material
- 1" Expansion Joint Material
- Sidewalk
- 3/8" dia. bars of 4" centers
- 1/2" dia. bars of 4" centers
- Stair post (Typ.)
- Handrail
- 1" Expansion Joint Material
- Sidewalk
- 3/8" dia. bars of 4" centers
- 1/2" dia. bars of 4" centers

SECTION A-A
See NOISING DETAIL

SECTION B-B
See NOISING DETAIL

PLAN

TYPE A
(For 3 Risers or more)

TYPE B (Less than 3 Risers)

NOSING DETAIL

All risers shall be of equal height and all treads shall be of equal depths on any set of stairs.