Combination railings types C1-C6 may also be used as a traffic barrier when mounted directly to a bridge sidewalk or retaining wall by increasing the railing height to a minimum of 3'-6" and a maximum of 4'-6" and using a minimum post size of 3"x3"x‰". When used on a bridge, and the sidewalk, for this pedestrian railing, a minimum 12'-0" wing length is recommended to accommodate the rail end transition and provide a post spacing on the wing that will maintain the rail aesthetics.

**Designer Notes**

- Parapet reinforcing bar size and spacing
- Plastic joint details and notes
- Seal ends on curved and flat surfaces
- Modular expansion joint
- Deflection joint details and notes
- Beam guard anchor assembly details
- Joint spacing of 80'-0" for expansion joint
- Deflection joint and opening for type A1 abutments
- RDWY. opening or 2' max. for strip seal joint and opening for A1 abutments
- Minimum 12'-0" wing length is recommended to accommodate the rail end transition and provide a post spacing on the wing that will maintain the rail aesthetics.

**See Standard 30.07 for addition rail details.**

**Field Erection Joint Location.** See "DETAIL A" and "DETAIL B" for additional railing details.

**Combination Railing Types C1-C6**

**Use Field Transition for all Railing Types Unless Shown Otherwise**

- Top rail and guardrail 72" high
- Steel plate, flat
- Cast iron cap
- Cast iron flange
- Modular expansion joint
- Modular joint
- Modular seal
- Modular joint

**Field Erection Joint Details**

- Joint spacing of 80'-0" type A1 joint with a 12'-0" groove.

**Approved:** Bill Oliva

**Date:** 1-19

**Bureau of Structures**

**Standard 30.17**