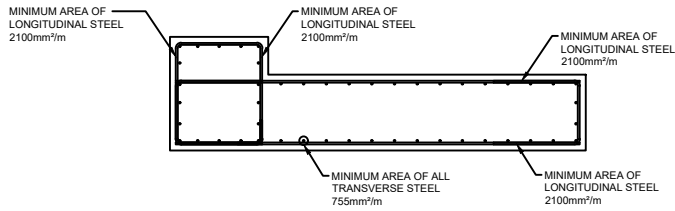
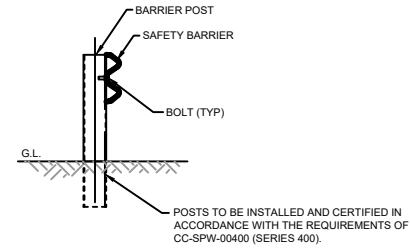


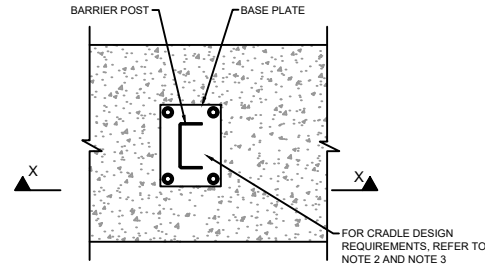
**SECTION B-B**  
(CC-SCD-410)  
SCALE 1:50



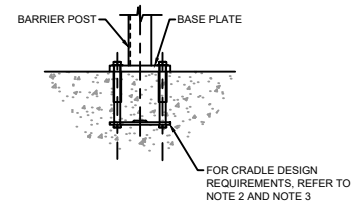
**TYPICAL REINFORCEMENT DETAIL**  
SCALE 1:50



**SECTION C-C**  
(CC-SCD-412)  
SCALE 1:20



**DETAIL 1 - PLAN:**  
**CAST-IN CRADLE ANCHOR**  
**DETAIL**  
SCALE 1:25



**DETAIL 2**  
**CAST-IN CRADLE**  
**ANCHOR DETAIL**  
SCALE 1:25

**NOTES:**

**GENERAL NOTES:**

1. FOR GENERAL NOTES REFER TO DRAWING CC-SCD-00412, REFER ALSO TO CC-SCD-00413.

**CONCRETE PLINTH CONNECTION:**

2. THE CONNECTION BETWEEN THE SAFETY BARRIER POST AND THE REINFORCED CONCRETE PLINTH SHALL BE FORMED USING AN APPROPRIATE CAST-IN CRADLE SUITABLE FOR USE IN THE HIGHWAY ENVIRONMENT.

3. THE SPECIFICATION OF THE CAST IN CRADLE SHALL ENSURE THAT THE BASE PLATE AND SAFETY BARRIER POST CAN BE REPLACED WITHOUT THE NEED TO REPLACE THE CRADLE OR THE CONCRETE PLINTH. THE CRADLE SHALL BE DESIGNED TO HAVE A CAPACITY OF 1.25 TIMES THE CAPACITY OF THE POST IN ACCORDANCE WITH THE REQUIREMENTS OF CL. 4.7.3.3 (2) OF IS EN 1991-2.

**REINFORCED CONCRETE PLINTH & FOUNDATION:**

4. THE REINFORCED CONCRETE PLINTH & FOUNDATION SHALL BE CONSTRUCTED ADJACENT TO ALL REINFORCED CONCRETE PARAPETS TO ENSURE THE FIXITY OF THE SAFETY BARRIER IMMEDIATELY ADJACENT TO THE REINFORCED CONCRETE PARAPET.

5. THE DIMENSIONS SHOWN ON THE STANDARD CONSTRUCTION DETAIL ARE THE MINIMUM DIMENSIONS REQUIRED TO SATISFY THE GLOBAL STABILITY REQUIREMENTS FOR THE REINFORCED CONCRETE PLINTH AND FOUNDATION. THE DIMENSIONS OF THE PLINTH MAY BE MODIFIED TO SUIT ANY SITE-SPECIFIC CONSTRAINTS; HOWEVER, THE DESIGNER SHALL BE RESPONSIBLE FOR ENSURING THE GLOBAL STABILITY OF ANY MODIFIED REINFORCED CONCRETE PLINTH AND FOUNDATION.

6. THE TYPICAL REINFORCEMENT DETAIL SHOWN IS APPLICABLE FOR THE MINIMUM DIMENSIONS ALSO SHOWN. THE DESIGNER SHALL BE RESPONSIBLE FOR DESIGNING AND DETAILING THE REINFORCEMENT ASSOCIATED WITH THE REINFORCEMENT CONCRETE OF THE FINAL DESIGN.

7. THE DESIGNER SHALL BE RESPONSIBLE FOR ENSURE THAT THE GROUND CONDITIONS BENEATH THE REINFORCED CONCRETE FOUNDATION HAVE A MINIMUM BEARING CAPACITY OF 120kN/m<sup>2</sup> AT SERVICEABILITY LIMIT STATE TO ACCOMMODATE THE LOADING FROM THE REINFORCED CONCRETE FOUNDATION.

8. THE CONCRETE STRENGTH SHALL BE A MINIMUM OF C32/40.

9. A 100mm LAYER OF ST1 BLINDING IS REQUIRED BENEATH THE REINFORCED CONCRETE FOUNDATION.



ACTIVITY



PUBLICATION TITLE

**SAFETY BARRIER TO CONCRETE PARAPET**  
**SHEET 3 OF 3 - FOUNDATION DETAILS**

STREAM

STANDARD CONSTRUCTION DETAILS (SCD)

HISTORICAL REFERENCE

N/A

DOCUMENTATION SET

STANDARDS

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