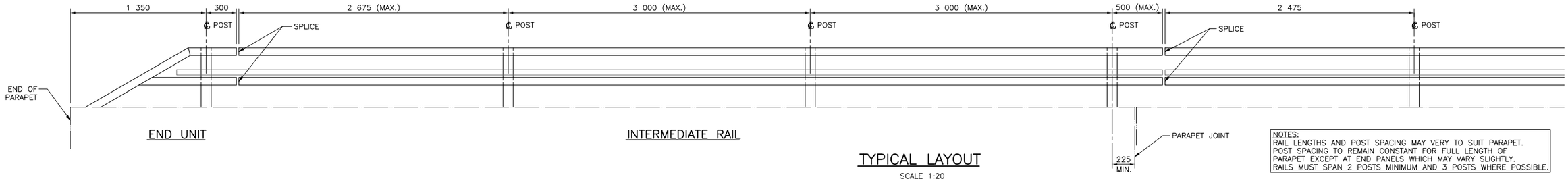


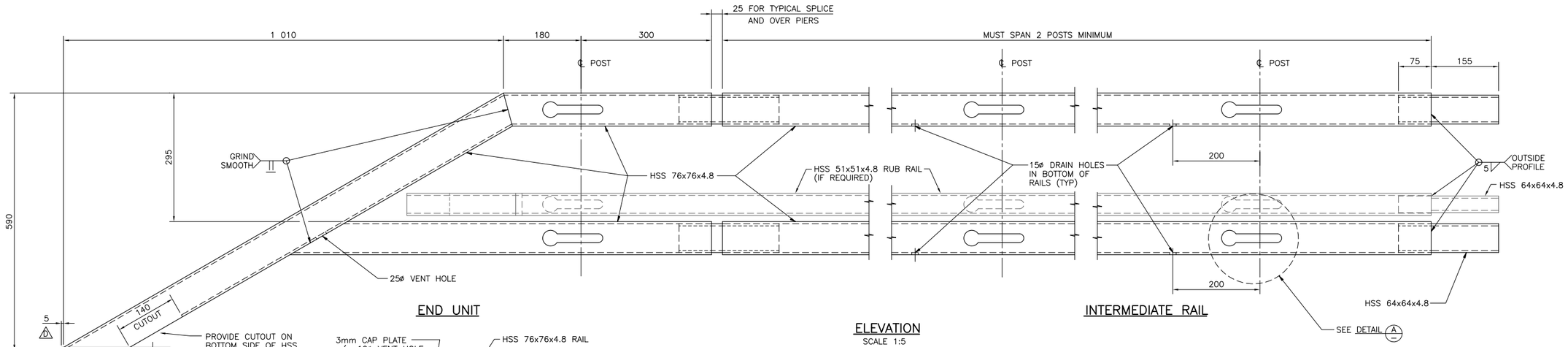
END UNIT

INTERMEDIATE RAIL

TYPICAL LAYOUT

SCALE 1:20

NOTES:
RAIL LENGTHS AND POST SPACING MAY VERY TO SUIT PARAPET.
POST SPACING TO REMAIN CONSTANT FOR FULL LENGTH OF PARAPET EXCEPT AT END PANELS WHICH MAY VARY SLIGHTLY.
RAILS MUST SPAN 2 POSTS MINIMUM AND 3 POSTS WHERE POSSIBLE.



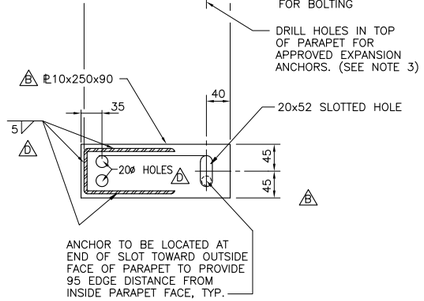
END UNIT

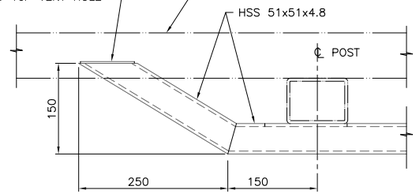
INTERMEDIATE RAIL

ELEVATION

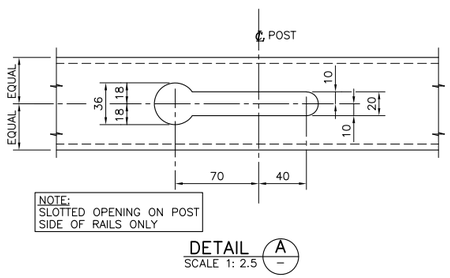
SCALE 1:5

DETAIL OF RAILS

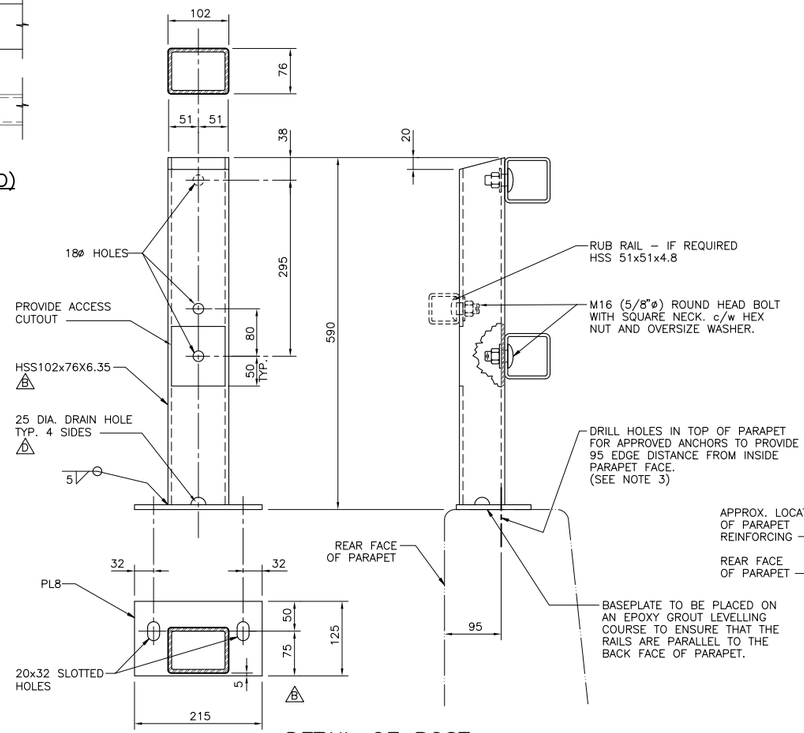




RUB RAIL – END DETAIL (IF REQUIRED)

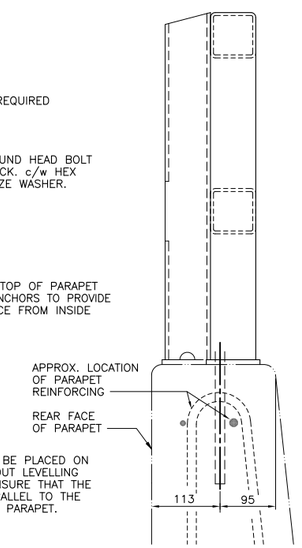


DETAIL A
SCALE 1: 2.5



DETAIL OF POST

SCALE 1:5



DETAIL OF END UNIT ANCHOR

SCALE 1:5

NOTES:

1. STEELWORK MATERIAL TO CONFORM TO SPECIFICATIONS AS FOLLOWS:
   (A) HOLLOW STRUCTURAL SECTION – G40.21M 350W CLASS C. OR ASTM A500 GRADE C.
   (B) BOLTS – A.S.T.M. A325M
   (C) PLATES – G40.21M 260W.
2. ALL STEELWORK TO BE GALVANIZED AFTER FABRICATION. GALVANIZING TO BE IN ACCORDANCE WITH ASTM A153 AND A123.
3. POSTS TO BE ANCHORED TO THE PARAPET WITH 16ø(5/8"ø) GALVANIZED THREADED RODS A36 MATERIAL OR 16ø(5/8"ø) STAINLESS RODS EPOXY GROUTED INTO 18ø(3/4"ø) DRILLED HOLES. MINIMUM EMBEDMENT 200mm. A HIGH MODULUS, LOW VISCOSITY EPOXY IS TO BE USED.
4. ON CURVED BRIDGE, RAILINGS TO BE SHOP BENT TO SUIT.

Rev	Date	Description	Init
A	03/05	REVISED MINISTRY BORDER	WHK
B	06/08	REVISED ANCHOR PLATE, POST DETAILS & NOTES	WHK
C	09/18	REVISED GALVANIZING NOTE	WHK
D	12/21	REVISED DRAIN HOLE SIZE AND LOCATION ADDED, END UNIT ANCHOR PLATE DIMENSIONS,	WHK

REVISIONS

BRITISH COLUMBIA | Ministry of Transportation & Infrastructure
Structural Engineering

STANDARD BRIDGE PARAPET STEEL BICYCLE RAILING

PREPARED UNDER THE DIRECTION OF

ENGINEER OF RECORD
CHIEF BRIDGE ENGINEER

DATE

DESIGNED RWM DATE 10/10/07
CHECKED RWM DATE 10/10/07
DRAWN RYC DATE 95/10/23
SCALE AS NOTED
NEGATIVE No.

FILE No. | PROJECT No. | REG. | DRAWING No. 2785-3 | D

H-308(03-07)

CANCEL PRINTS BEARING PREVIOUS LETTER