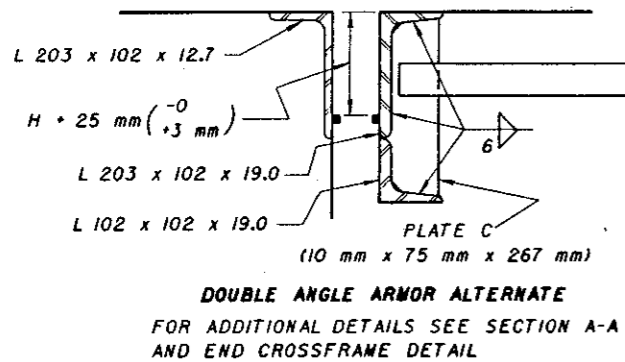
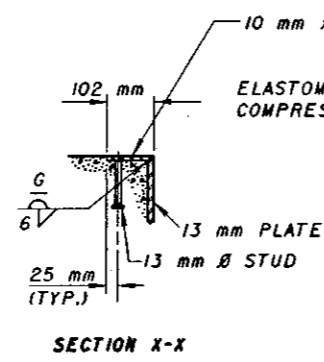


PART PLAN AT ABUTMENT
FOR BRIDGES WITH ROADWAY PARAPET RAILING

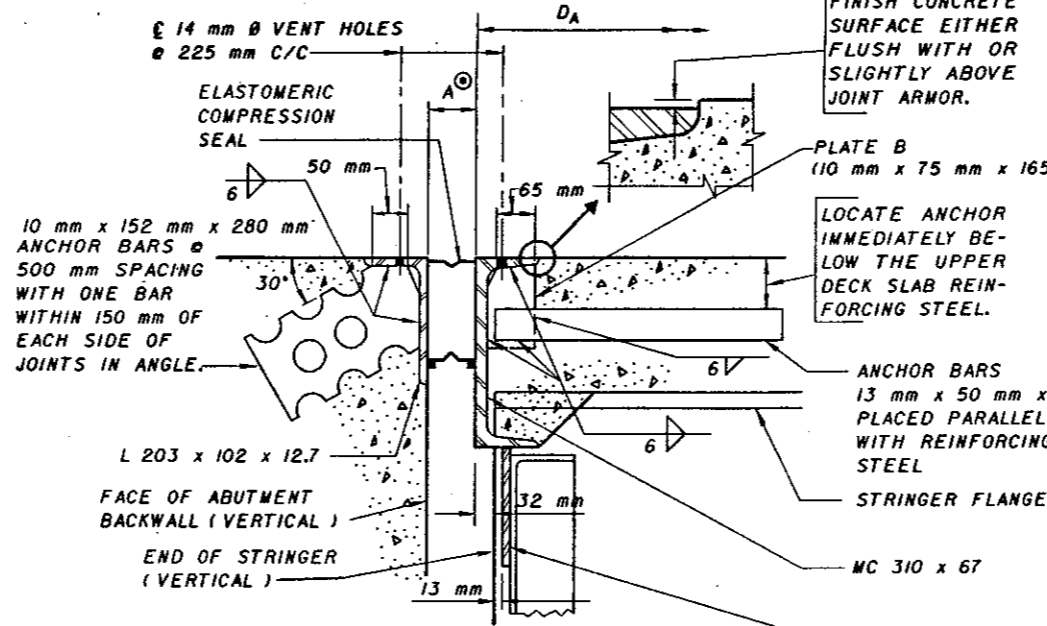
JOINTS IN END DAM ARMOR:
TRANSVERSE JOINTS IN SUPERSTRUCTURE ANGLES OR CHANNEL SHALL HAVE COMPLETE PENETRATION BUTT WELDS. TRANSVERSE JOINTS IN ABUTMENT ANGLE SHALL BE CLOSELY BUTTED WITH A MINIMUM OF 1800 mm BETWEEN JOINTS. WELDS IN CONTACT WITH SEAL SHALL BE GROUND FLUSH.



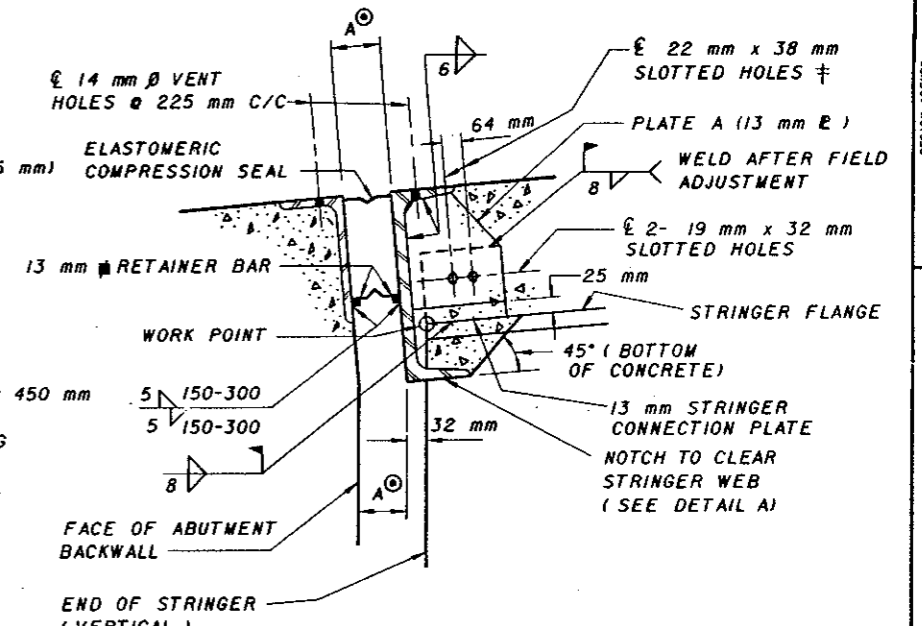
DOUBLE ANGLE ARMOR ALTERNATE
FOR ADDITIONAL DETAILS SEE SECTION A-A AND END CROSSFRAME DETAIL



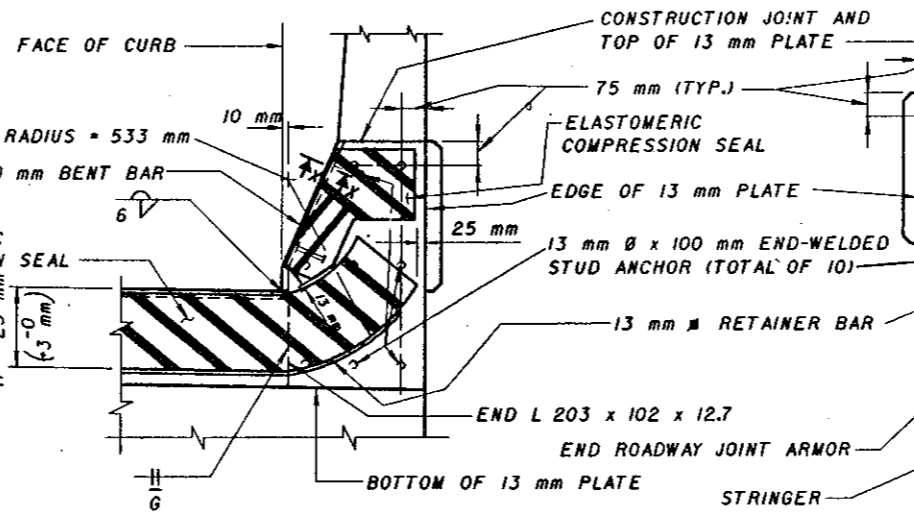
SECTION X-X



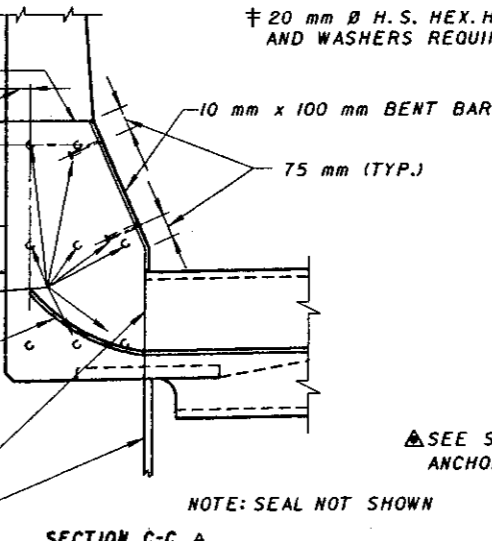
SECTION A-A
WITH ROADWAY GRADIENT OF 2% OR LESS SHOWN



TYPICAL END DAM SUPPORT DETAIL
WITH ROADWAY GRADIENT IN EXCESS OF 2% SHOWN

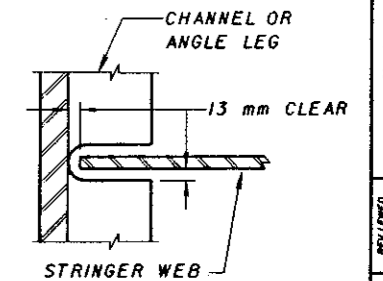


SECTION B-B

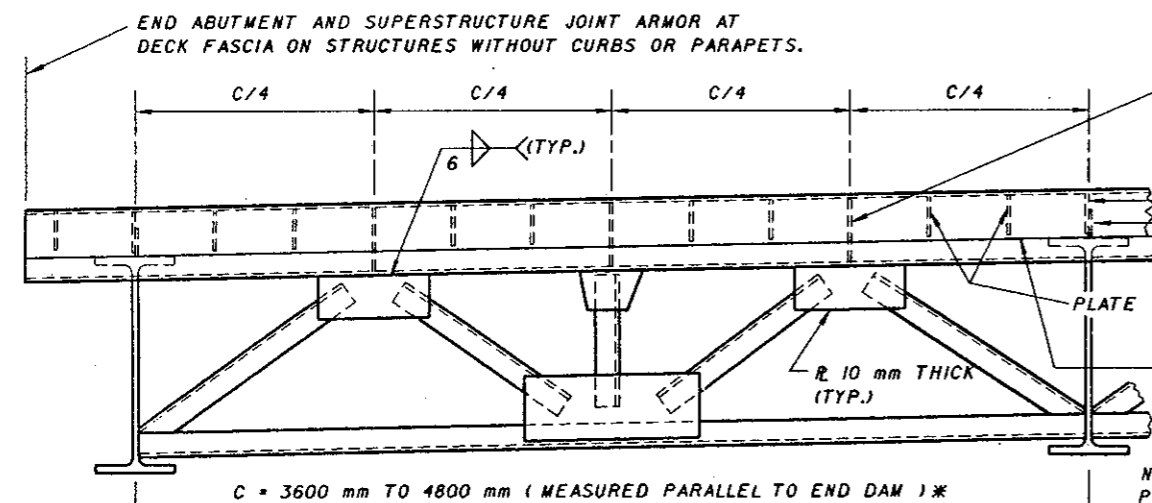


SECTION C-C

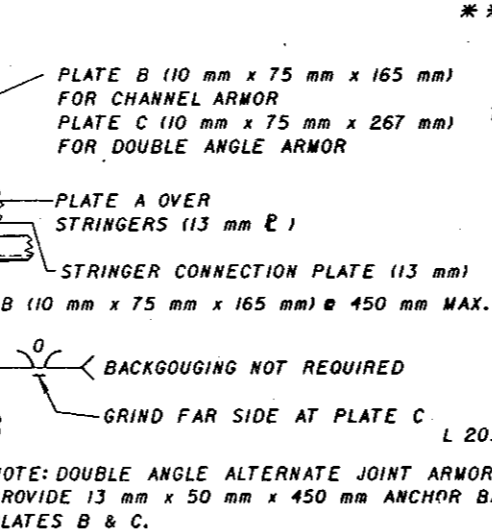
SEE SECTION B-B FOR OTHER DETAILS



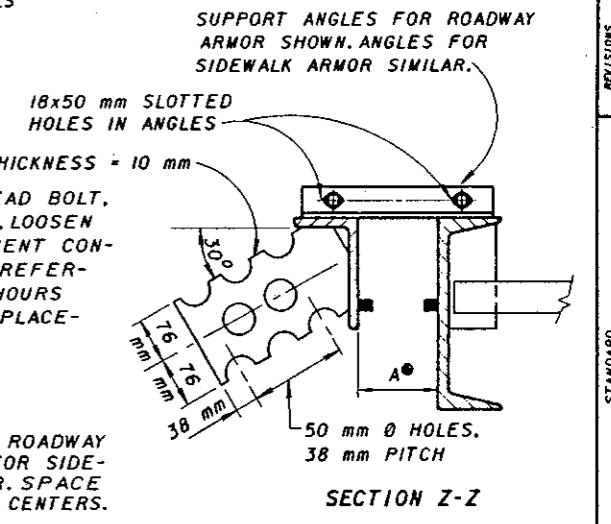
DETAIL A
SEE SIDEWALK AND PARAPET JOINT ARMOR ANCHORS NOTE ON SHEET 3/3



END CROSSFRAME DETAIL



JOINT ARMOR ADJUSTMENT DETAIL
AN ALTERNATE DETAIL MAY BE USED SUBJECT TO THE DIRECTOR'S APPROVAL.



SECTION Z-Z

NOTE:
FOR DIMENSION A⁰.D_A ADDITIONAL NOTES AND DETAILS SEE SHEET 2/3 AND 3/3.

* WHEN C DIMENSION IS 2400 mm OR LESS USE A SUPPORT POINT OF C/2. WHEN C DIMENSIONS ARE BETWEEN 2400 mm AND 3600 mm USE SUPPORT POINTS OF C/3.

SEE STANDARD DRAWING EXJ-4-87M, SHEET 1 OF 5, FOR ADDITIONAL END CROSSFRAME DETAILS.

** REMOVE AFTER CONCRETE HAS CURED

SUPPORT ANGLES FOR ROADWAY ARMOR SHOWN. ANGLES FOR SIDEWALK ARMOR SIMILAR.

NOTE: SEAL NOT SHOWN

NOTE: SEAL NOT SHOWN

DESIGN AGENCY: BUREAU OF BRIDGES AND STRUCTURAL DESIGN
 STATE OF OHIO DEPARTMENT OF TRANSPORTATION
 ENGINEER OF BRIDGES: Richard J. Engel
 DATE: 3-28-95
 CHECKED: RLD/JAM/MPB/LMW
 DESIGNED: MPB/JFF
 DRAWN: A/JM/BOB
 EXJ-2-81M
 STANDARD SEAL EXPANSION JOINTS AT ABUTMENTS FOR STEEL STRINGER STRUCTURES - METRIC
 1/3