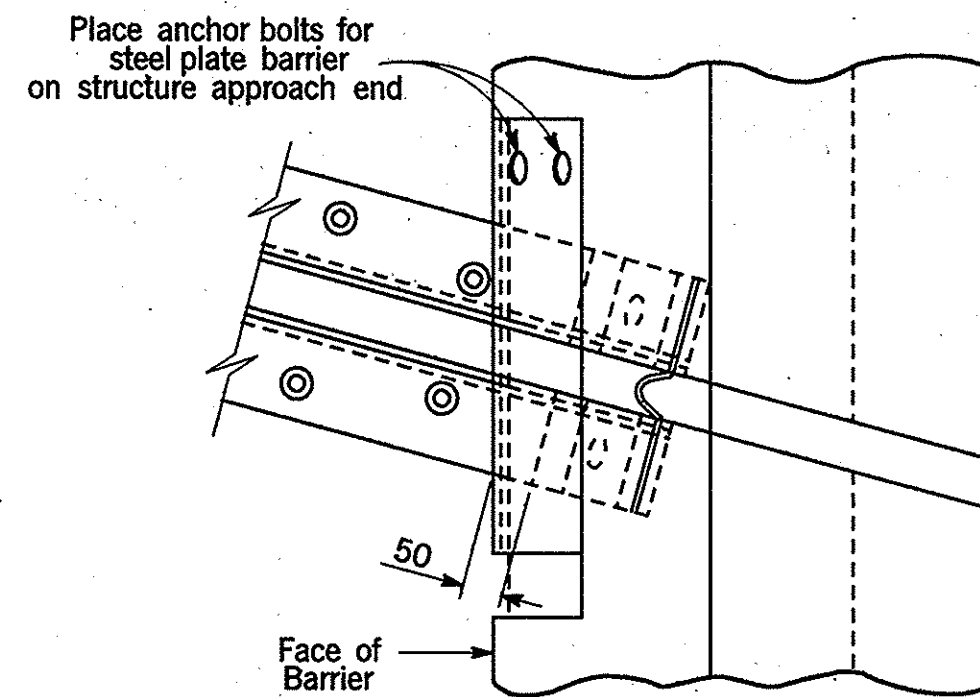
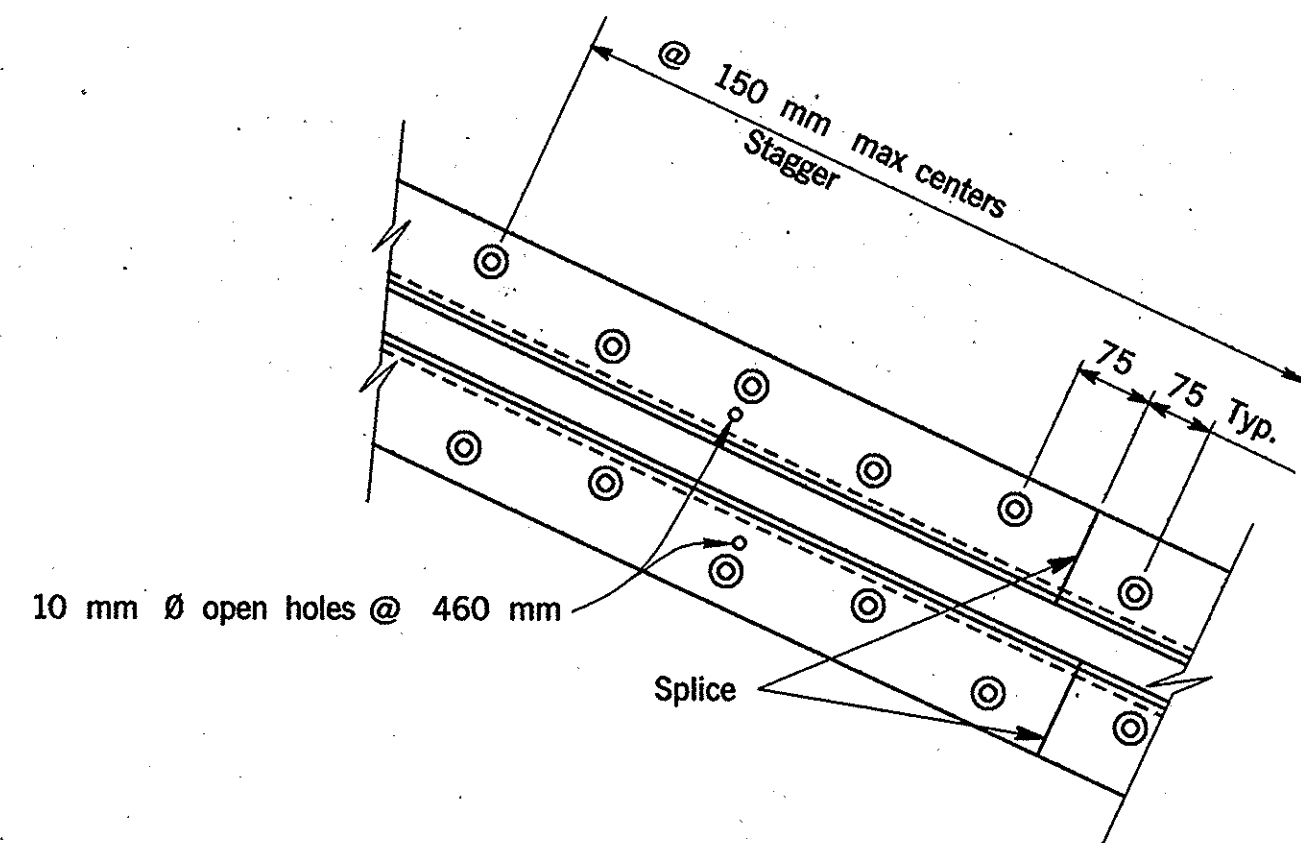


DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
12	Ora	241	30.1	14	19

Richard W. Hoisington, Jr. 6/2/99
REGISTERED CIVIL ENGINEER
 RICHARD W. HOISINGTON, JR.
 No. 42267
 Exp. 3/31/00
 CIVIL
 STATE OF CALIFORNIA

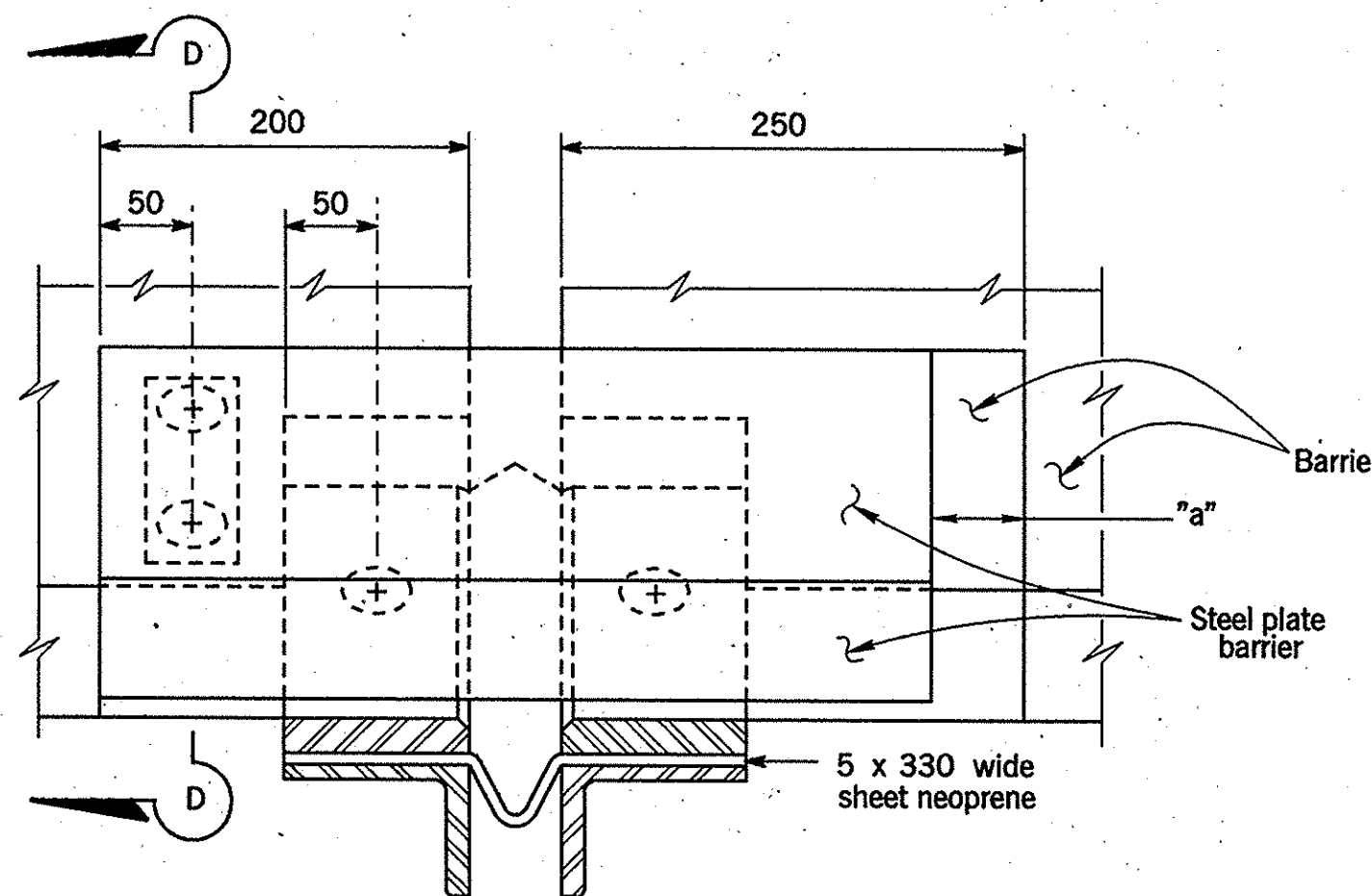
PLANS APPROVAL DATE
 COUNTY OF ORANGE
 PUBLIC FACILITIES & RESOURCES DEPT.
 300 N. FLOWER STREET
 SANTA ANA, CA 92703-5000

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

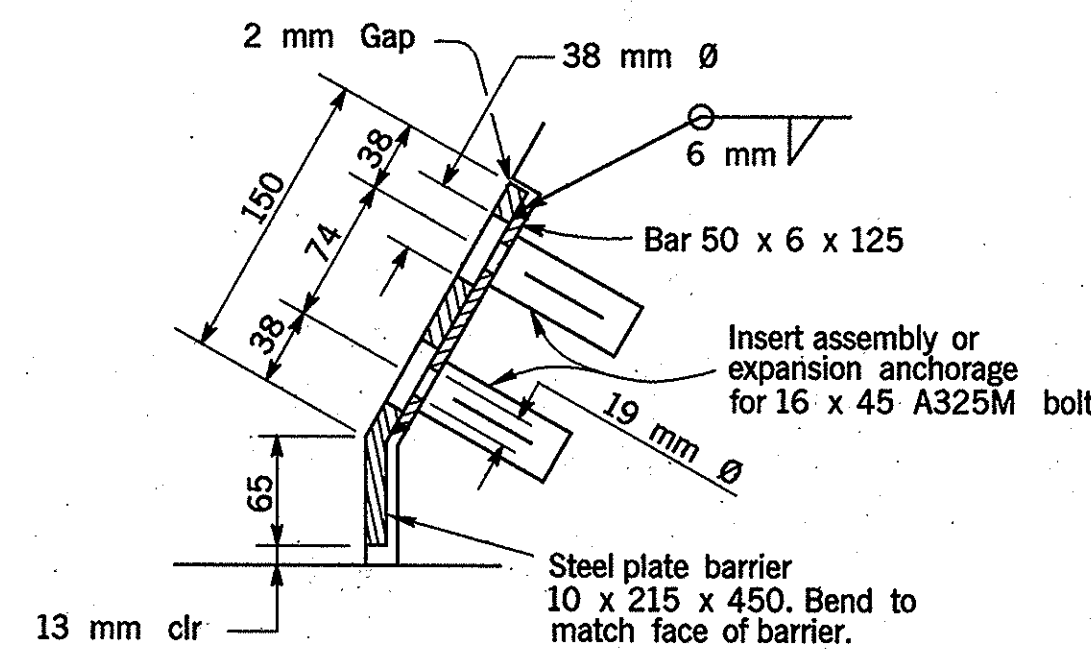


**PLAN
BOLT & PLATE LAYOUT**

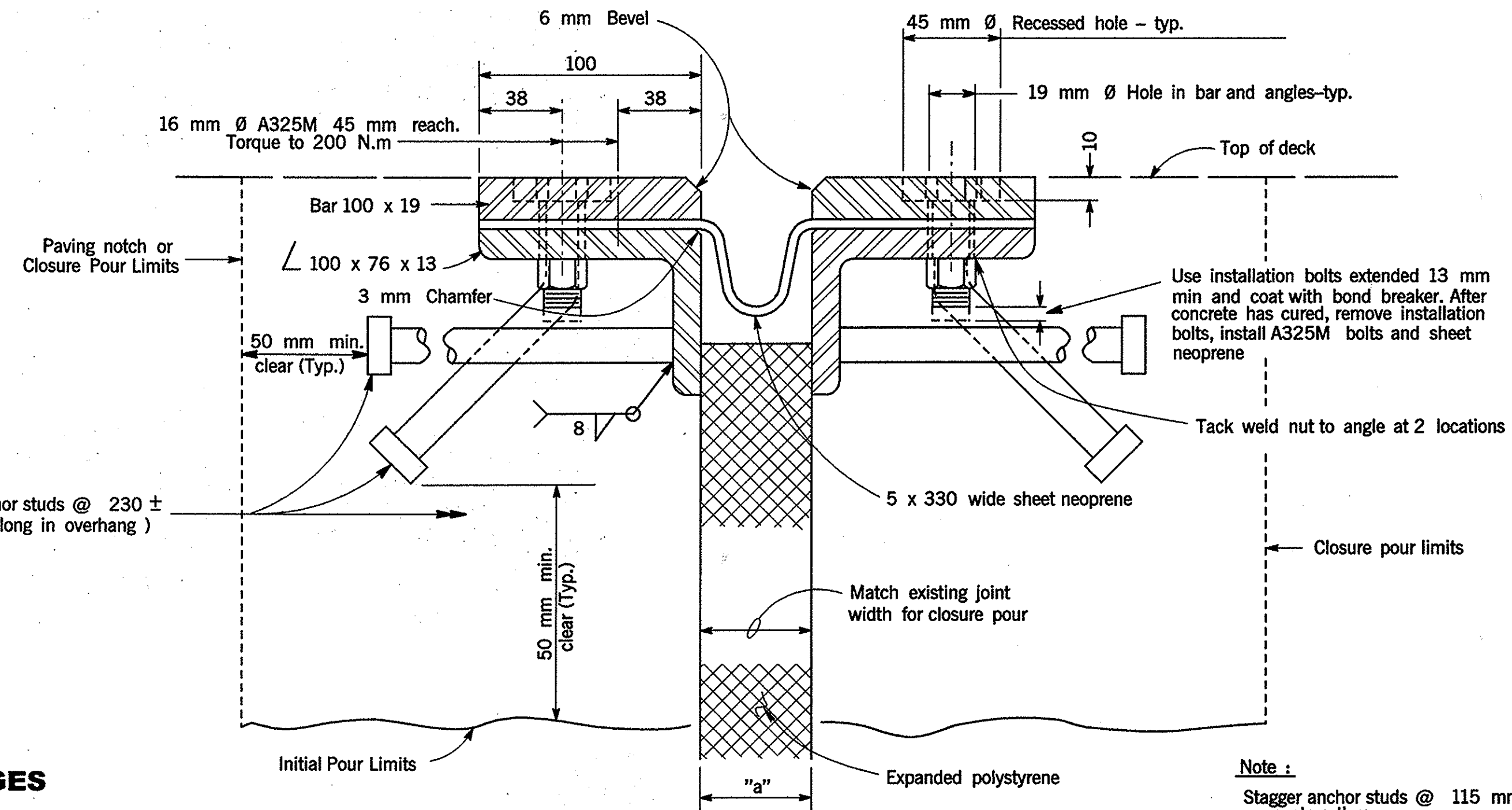
SKEW $\leq 20^\circ$



VIEW B-B

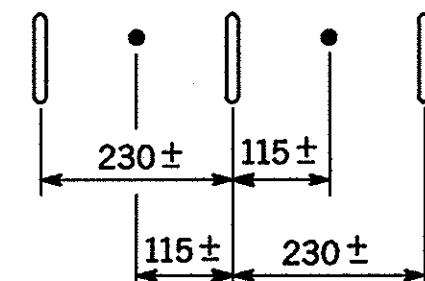


SECTION D-D



SECTION A-A

Note:
 Stagger anchor studs @ 115 mm $\pm$ on centers thus:

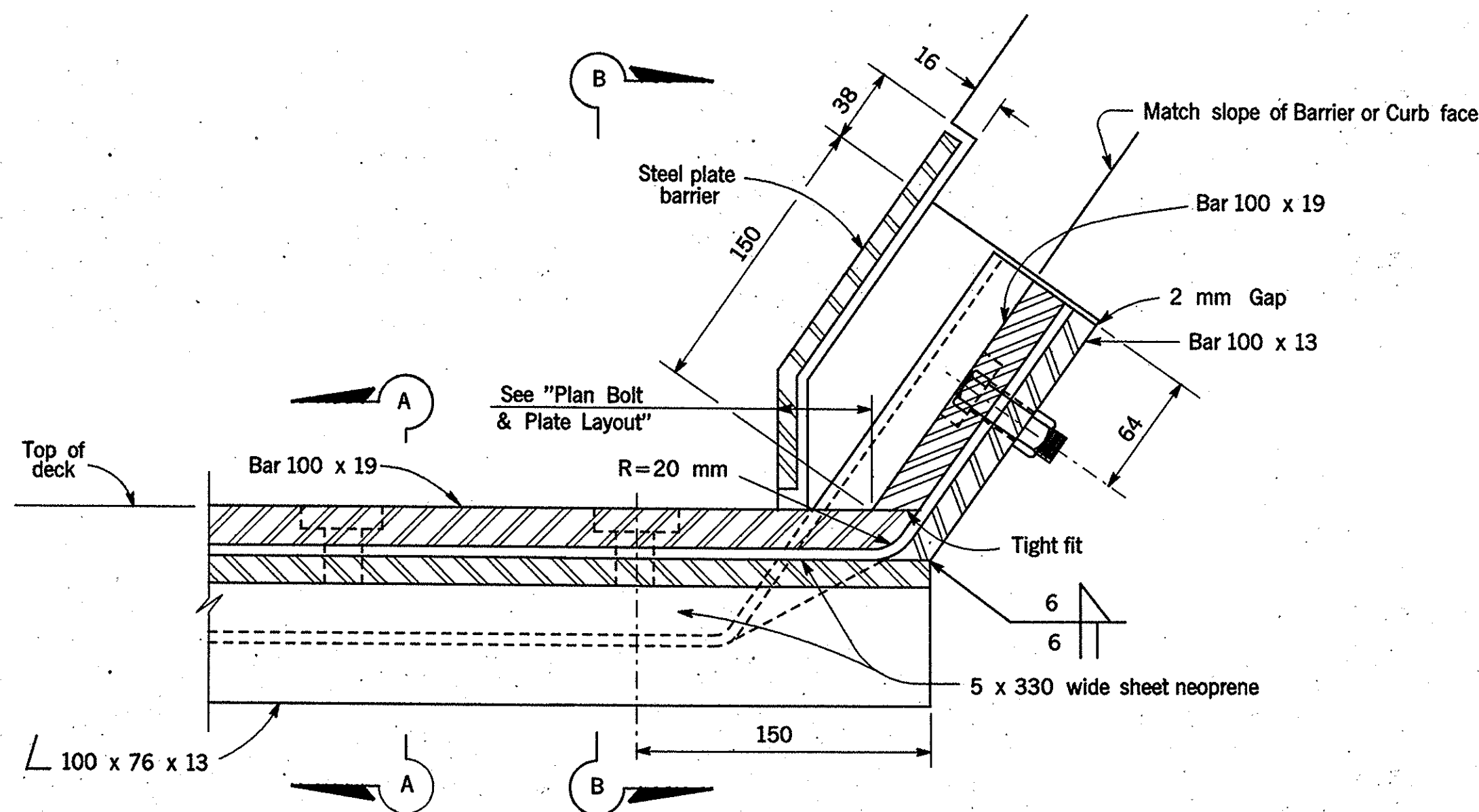


**NO AS BUILT CHANGES
AS BUILT**

CORRECTIONS BY G. CUNNINGHAM/ RWH
 CONTRACT NO. 1296-NMC-0130
 DATE 5-8-01 / 6-1-01

NOTES:

- FULL PENETRATION BUTT WELDS MAY BE SUBSTITUTED FOR FILLET WELDS ON ALL ANCHOR STUDS.
- ALTERNATE TYPES OF ANCHOR STUDS MAY BE PERMITTED SUBJECT TO THE APPROVAL BY THE ENGINEER.
- JOINT SEAL ASSEMBLY TO BE USED IN CONJUNCTION WITH CLOSURE POUR. CLOSURE POUR SHALL NOT BE PLACED UNTIL FINAL DECK SURFACE IS WITHIN THE TOLERANCE SPECIFIED.
- USE JOINT AT CROWN OF ROADWAY, AT ANY CHANGE IN TRANSVERSE SLOPE IN DECK AND AT CHANGES IN HORIZONTAL DIRECTION. PLACE OTHER JOINTS AT OR NEAR LANES. ALL METAL PARTS TO BE PAINTED OR GALVANIZED AFTER FABRICATION.
- SHEET NEOPRENE SHALL BE FABRICATED IN ONE CONTINUOUS PIECE OR JOINTS SHALL BE VULCANIZED. NEOPRENE SHALL BE FABRICATED TO BEND AROUND CORNERS. 25 mm HOLES IN NEOPRENE SHEETS SHALL BE DRILLED OR PUNCHED SO THAT THE NEOPRENE IS NOT DISTORTED AT THE TIME OF INSTALLATION.



**HIGH & LOW SIDE
BARRIER DETAIL**

Joint Information			"a" Dimensions		
Location	Movement Rating (MR)	Skew	Winter	Spring & Fall	Summer
ABUT. 1	100	17°11' 17"	25	20	15
ABUT. 4	90	17°11' 17"	25	20	15

NO SCALE, UNLESS OTHERWISE SHOWN

**ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN**

Steve Nakao
 DESIGN OVERSIGHT STEVE NAKAO
 6/2/99
 SIGN OFF DATE

DESIGN	BY	RICH HOISINGTON	CHECKED	JOHN SARAH McLEAN & SCHULTZ
DETAILS	BY	RICH HOISINGTON	CHECKED	JOHN SARAH McLEAN & SCHULTZ
QUANTITIES	BY	RICH HOISINGTON	CHECKED	JOHN SARAH McLEAN & SCHULTZ

PREPARED FOR THE
 STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

RICH HOISINGTON
 PROJECT ENGINEER

BRIDGE NO.	55-953
KILOMETER POST	30.1

TRABUCO CREEK BIKE TRAIL OVERCROSSING
JOINT SEAL ASSEMBLY DETAILS

DESIGN DETAIL SHEET (METRIC) (REV. 9/2/98)

ORIGINAL SCALE IN MILLIMETERS
 FOR REDUCED PLANS

CU
EA

DISREGARD PRINTS BEARING
 EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)
 3/31/99

SHEET 14 OF 19

FILE -> \$REQUEST
 d:\cadd\metric\trabuco\jntseal.dgn (2D)

TIME PLOTTED -> \$DATE 04/13/99 10:00 AM
 USERNAME -> \$USER H.P.