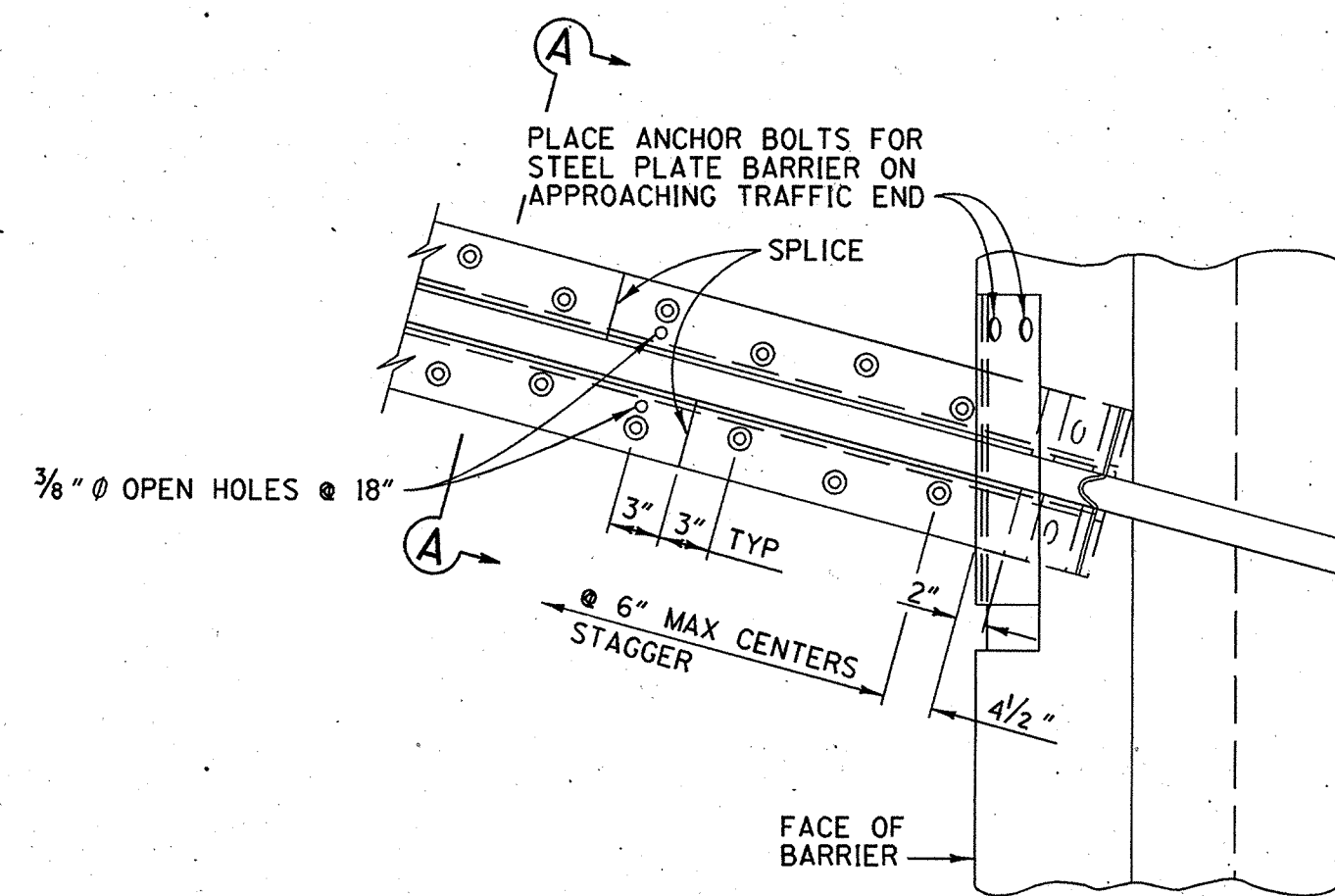
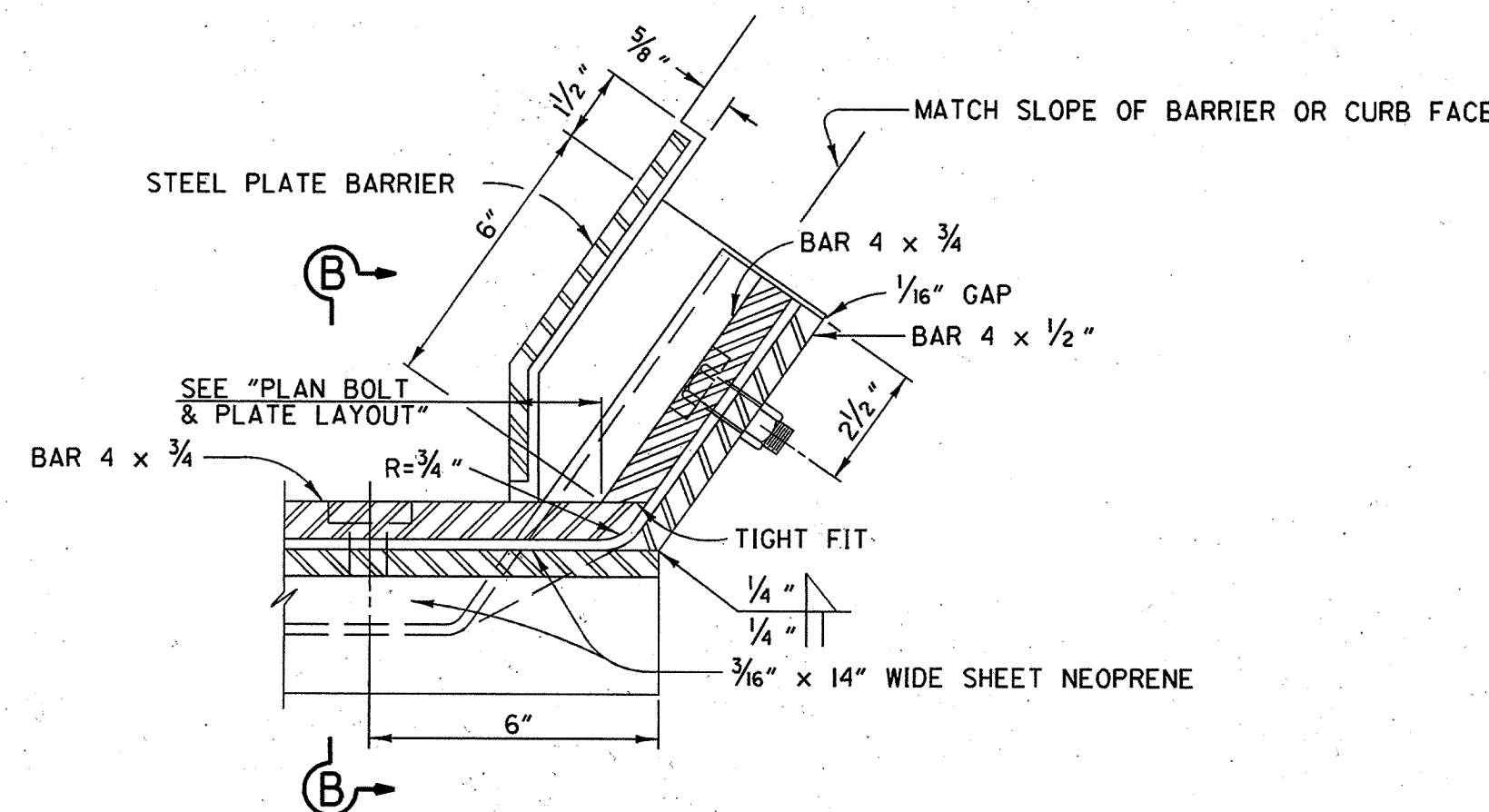
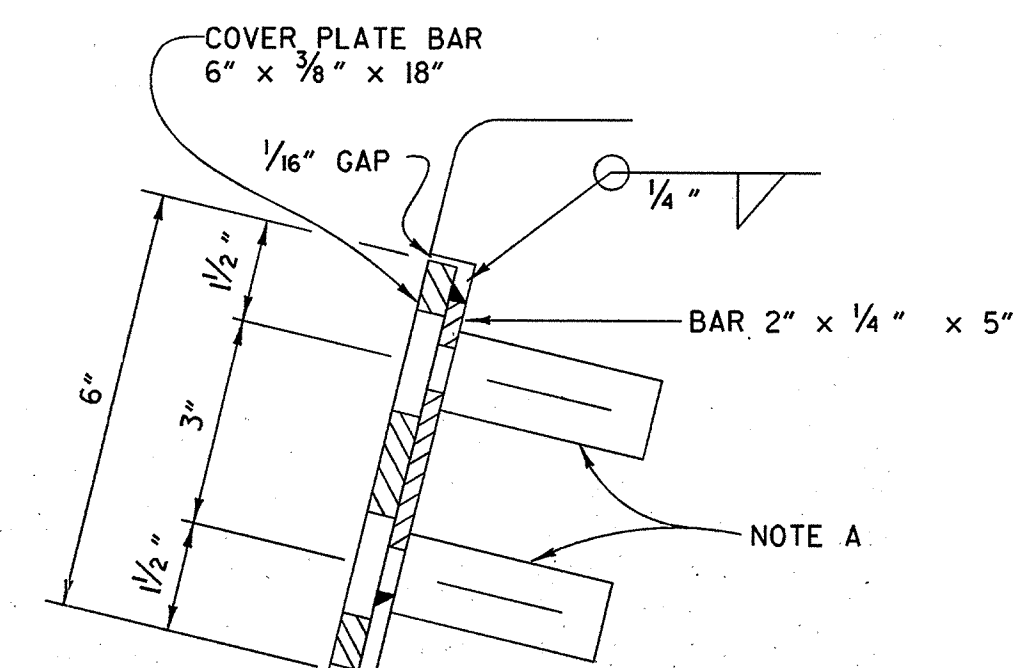




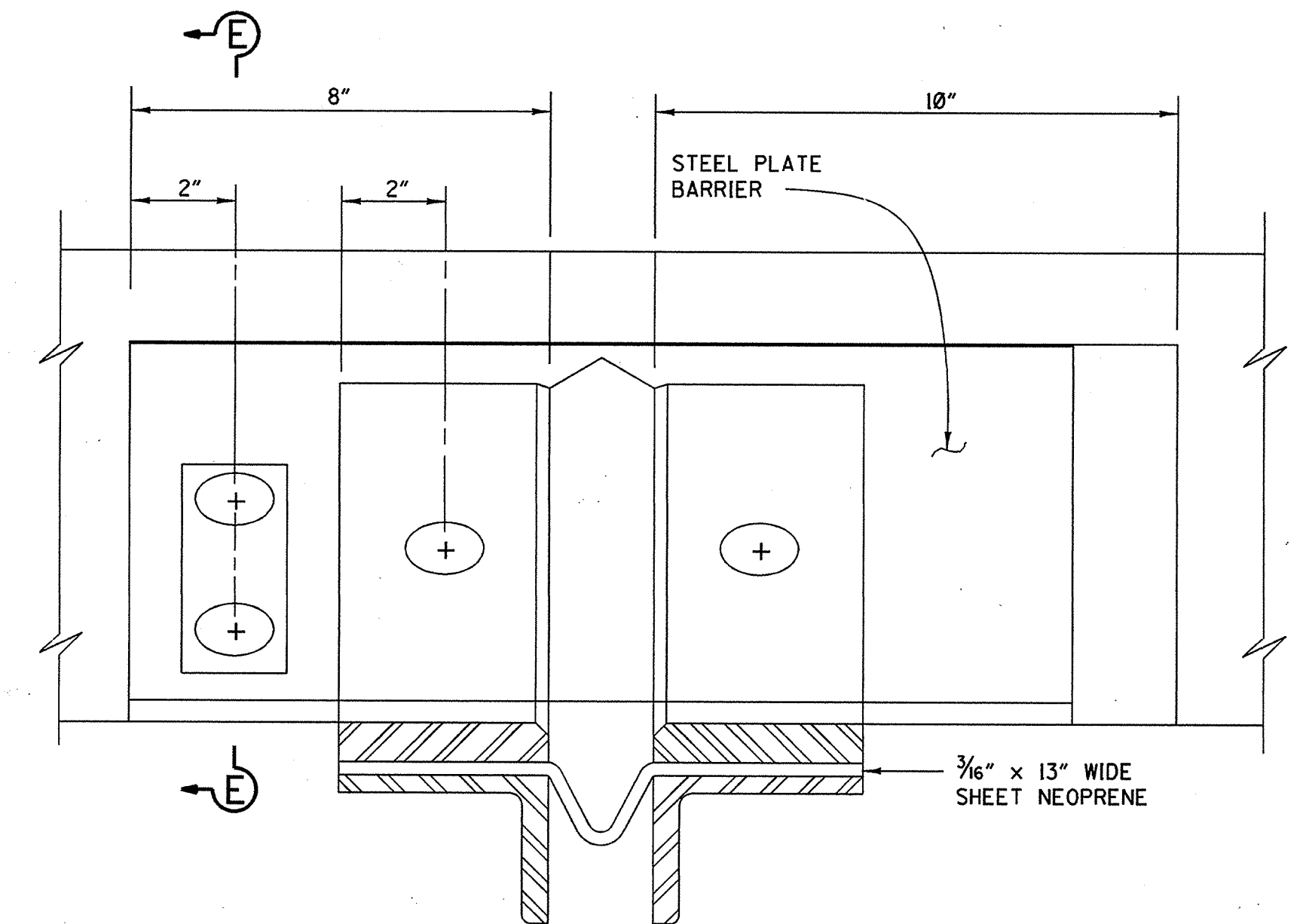
PLAN  
BOLT & PLATE LAYOUT



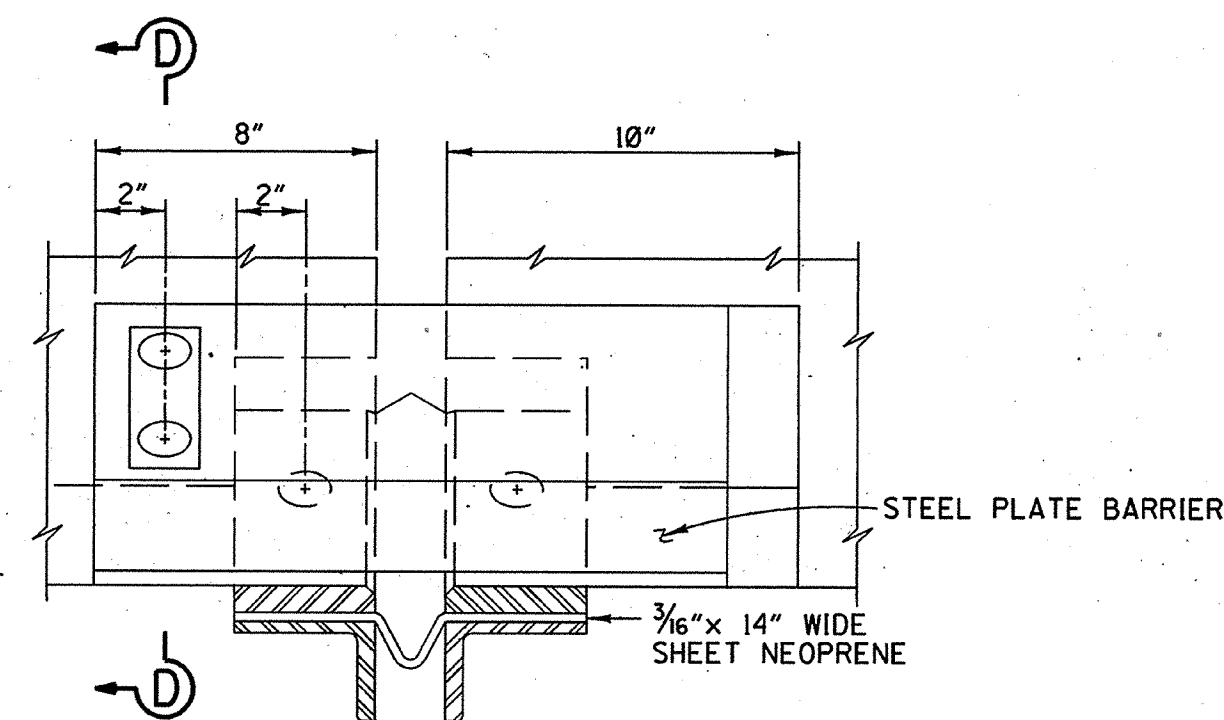
BARRIER DETAIL



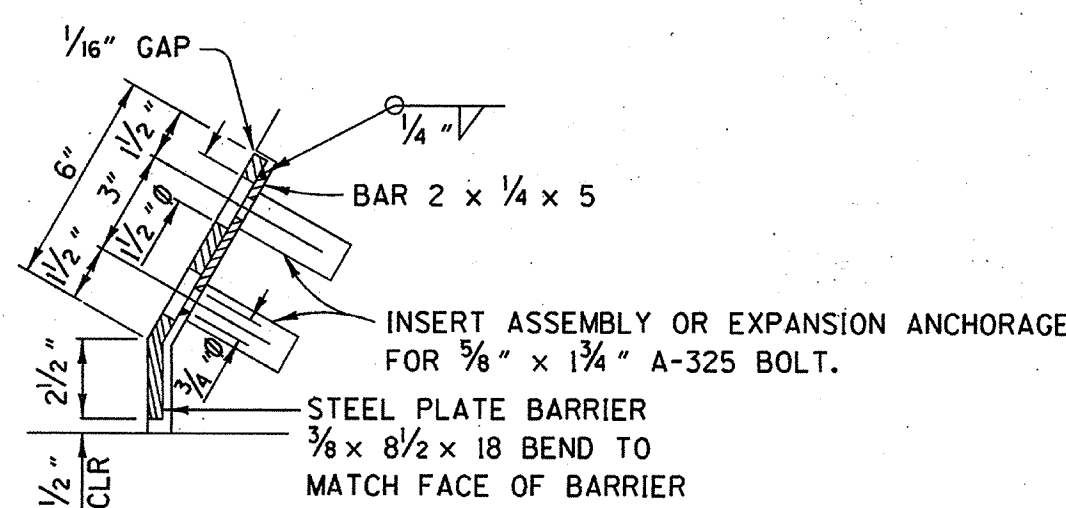
SECTION E-E



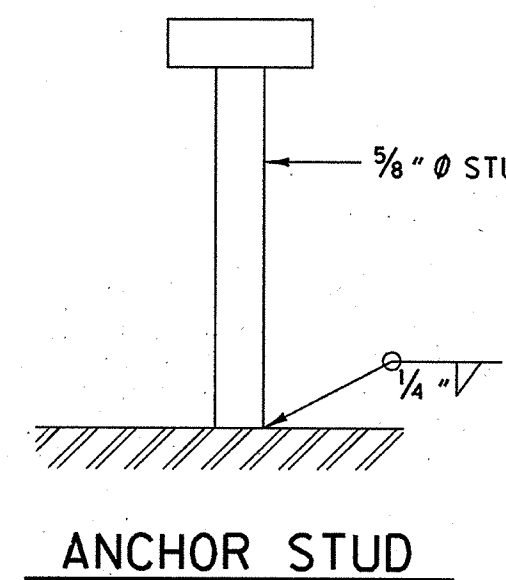
VIEW C-C



VIEW B-B

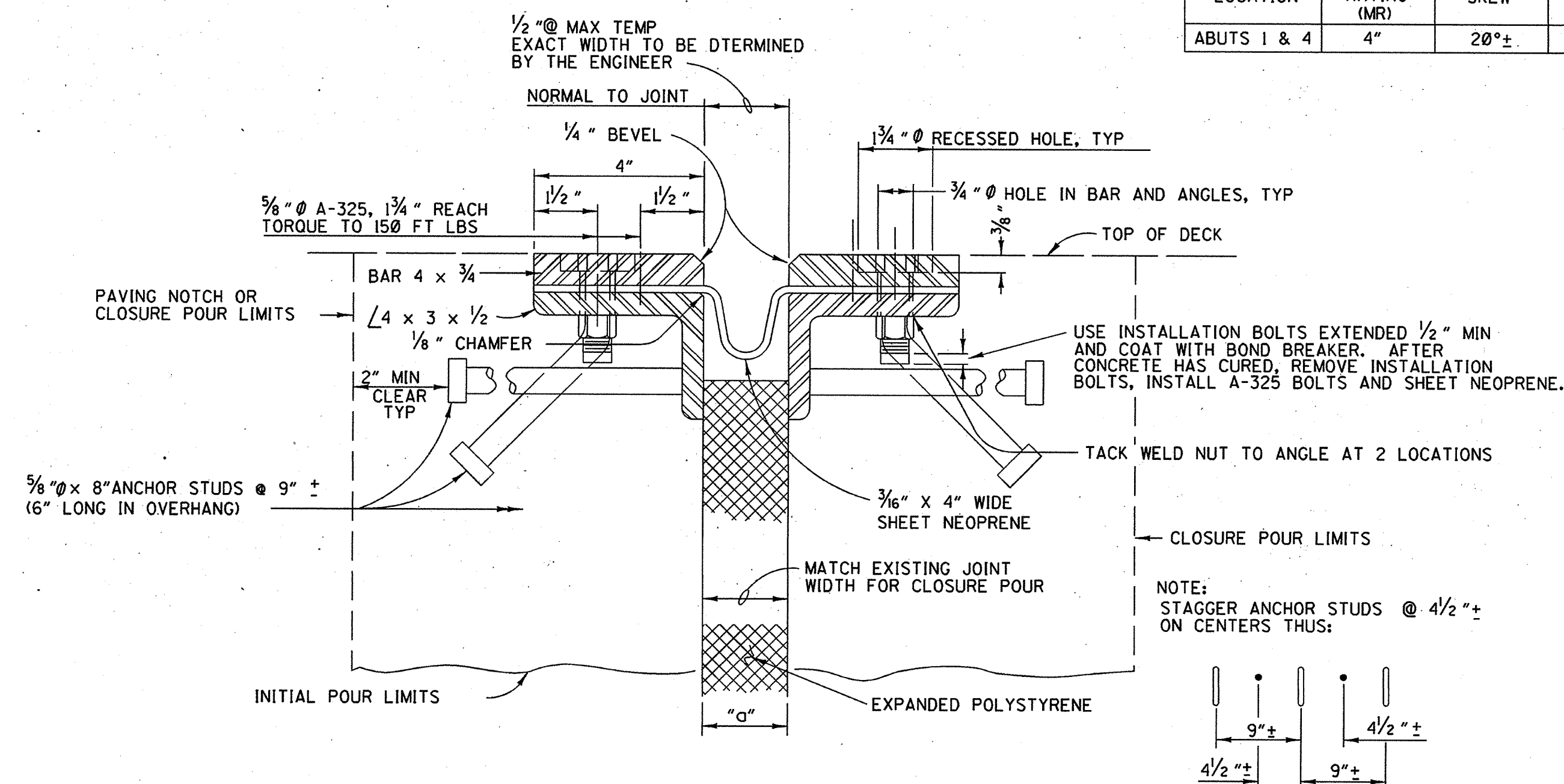


SECTION D-D

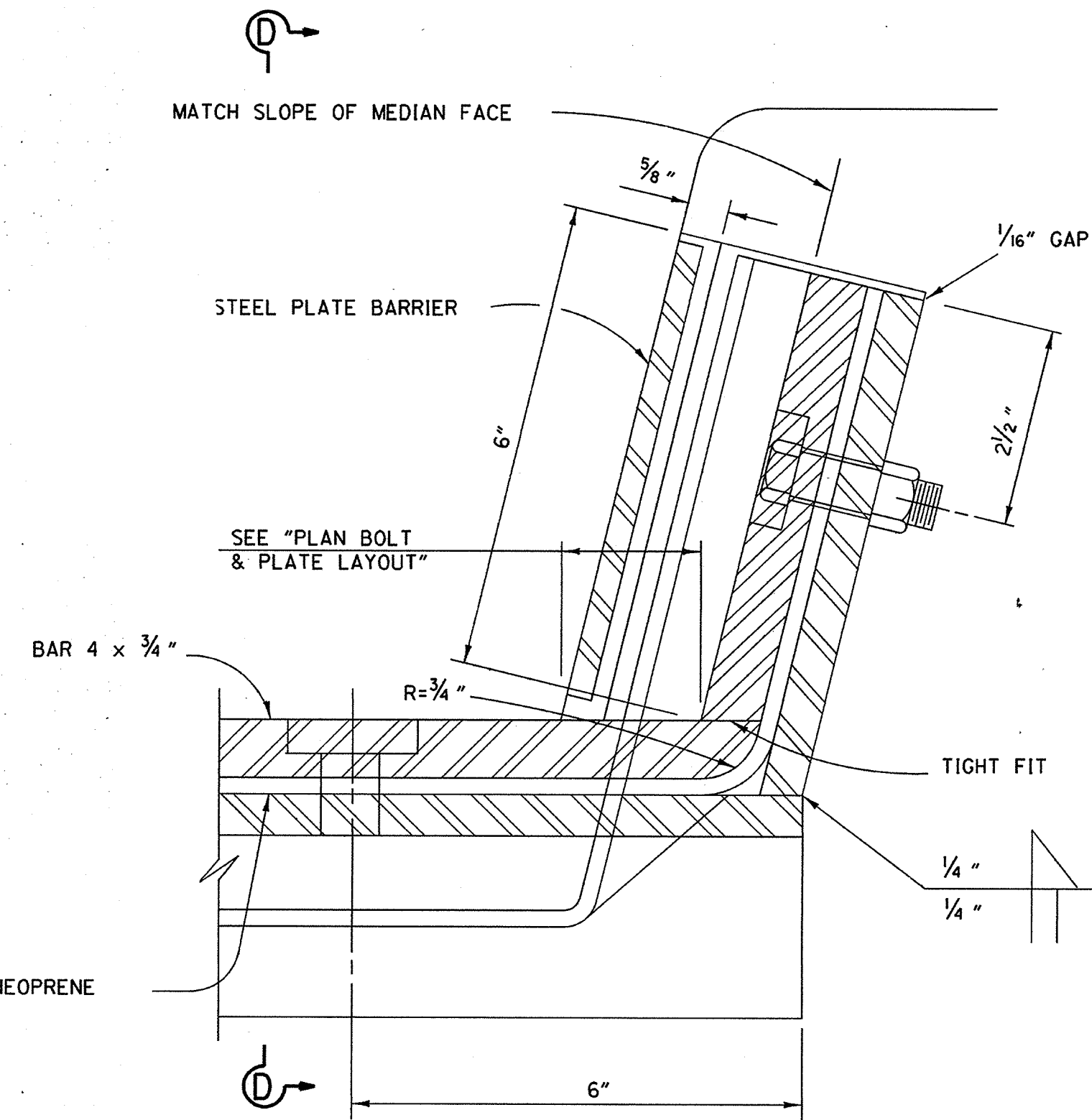


ANCHOR STUD

| JOINT INFORMATION |                      |       | "a" DIMENSIONS |               |        |
|-------------------|----------------------|-------|----------------|---------------|--------|
| LOCATION          | MOVEMENT RATING (MR) | SKEW  | WINTER         | SPRING & FALL | SUMMER |
| ABUTS 1 & 4       | 4"                   | 20° ± | 1 1/2"         | 1 1/4"        | 1"     |



SECTION A-A



MEDIAN DETAIL  
(SEE NOTE B)

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, (SEE OTHER SHEETS FOR LIMITS). 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. 1" HOLES IN NEOPRENE SHEETS SHALL BE DRILLED OR PUNCHED SO THAT THE NEOPRENE IS NOT DISTORTED AT THE TIME OF INSTALLATION.

**URS GREINER, INC.**  
1241 EAST DYER ROAD, SUITE 250  
SANTA ANA, CALIFORNIA 92705-5605

|                                                       |  |                                                                      |  |
|-------------------------------------------------------|--|----------------------------------------------------------------------|--|
| ORANGE COUNTY<br>ENVIRONMENTAL MANAGEMENT AGENCY      |  | JAMBOREE ROAD<br>GRADE SEPARATION AT<br>EDINGER AVENUE               |  |
| JOINT SEAL ASSEMBLY<br>(MAXIMUM MOVEMENT RATING = 4") |  | DESIGNED: J.L.W.<br>DRAWN: A. GOMEZ<br>SCALE: NO SCALE<br>DATE: 6-97 |  |
| CHECKED: G.L.R.<br>DRAWING NO. 111<br>OF 130          |  | SHEET                                                                |  |

DR. 1116157