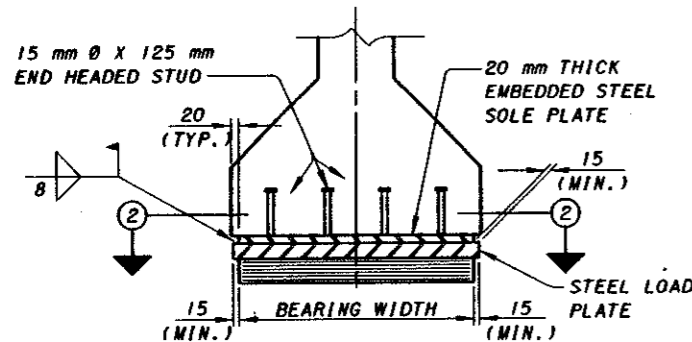
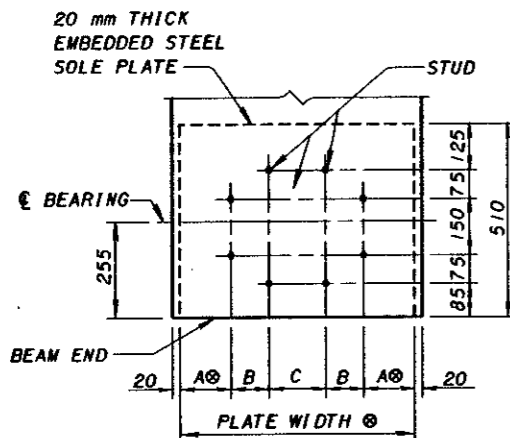


**END VIEW**  
(BEARING WITH NO LOAD PLATE)



**END VIEW**  
(BEARING WITH LOAD PLATE)

STEEL LOAD PLATES, A LAMINATED ELASTOMERIC BEARING WITHOUT A LOAD PLATE SHOULD BE THE FIRST OPTION UNLESS ROTATIONAL AND GRADE REQUIREMENTS DEMAND THE USE OF A LOAD PLATE. IF A VULCANIZED BEVELED LOAD PLATE IS REQUIRED, DESIGN PLANS SHALL REQUIRE THE I-BEAM TO INCLUDE THE EMBEDDED SOLE PLATE FOR FIELD INSTALLATION OF THE BEARING. FIELD WELDING SHALL BE CONTROLLED SO THE TEMPERATURE AT THE ELASTOMER BONDED SURFACE SHALL NOT EXCEED 200°C AS DETERMINED BY THE USE OF PYROMETRIC STICKS OR OTHER TEMPERATURE MONITORING DEVICES.

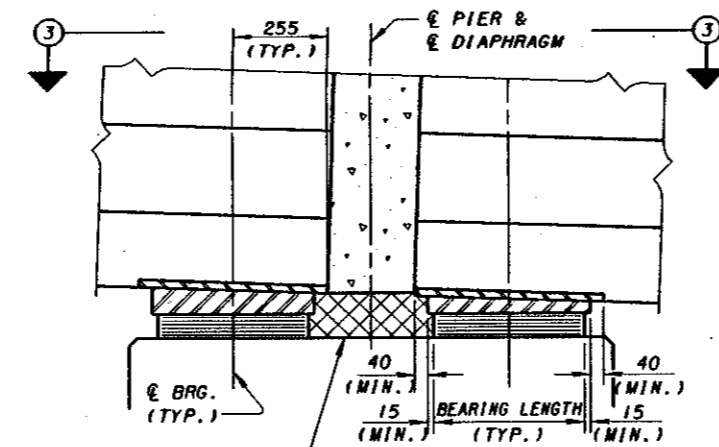


**SECTION 2-2**  
(BEARING AND LOAD PLATE NOT SHOWN)

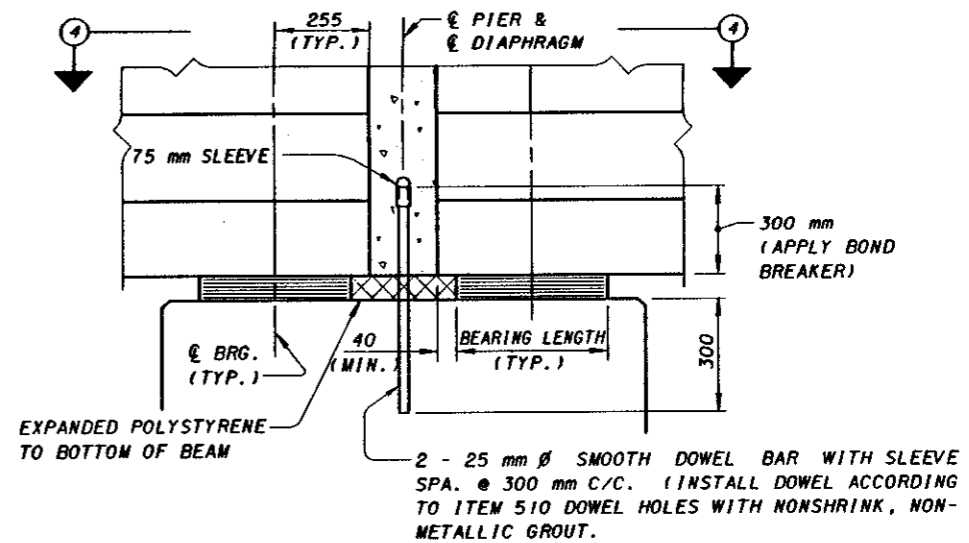
BOTTOM FLANGE WIDTH (mm)	PLATE WIDTH (mm)	A (mm)	B (mm)	C (mm)
460	420	85	50	150
560	520	110	100	100
660	620	135	100	150

NOTE - END WELDED STUDS MAY BE MOVED SLIGHTLY IN ORDER TO AVOID REINFORCING STEEL AND PRESTRESSING STRANDS.

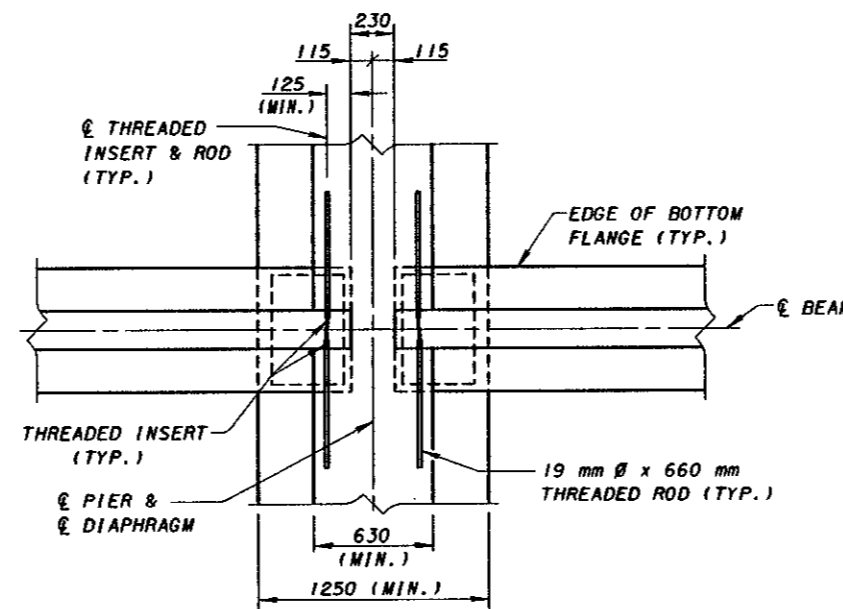
⊙ - IN ORDER TO ALLOW FOR FIT-UP, THE PLATE WIDTH MAY BE DECREASED BY 10 mm. DIMENSION "A" SHALL BE CORRECTED ACCORDINGLY.



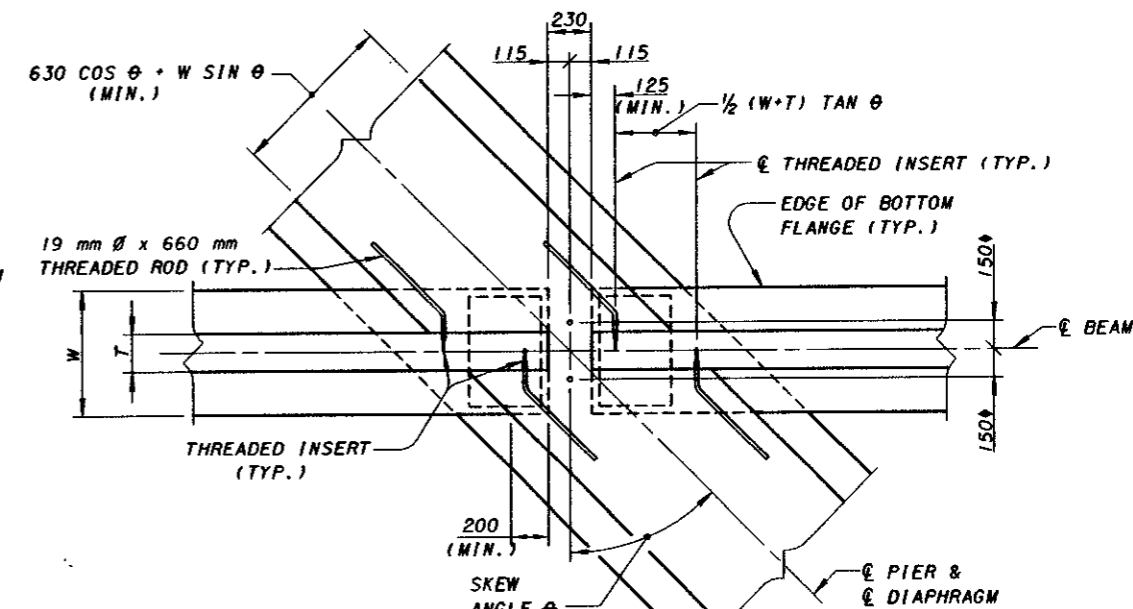
EXPANSION PIER DETAIL  
(BEARING WITH LOAD PLATE)



**FIXED PIER DETAIL**  
(BEARING WITH NO LOAD PLATE)



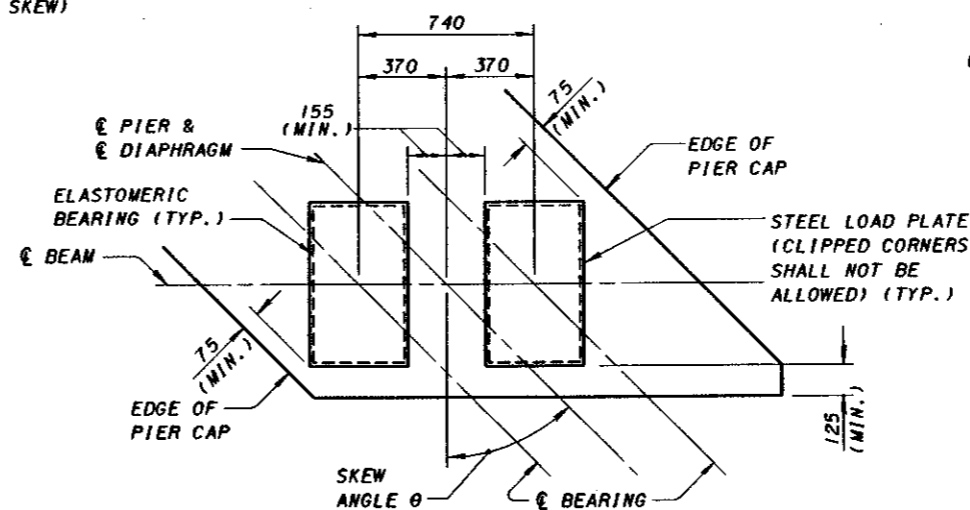
**VIEW 3-3**  
(NO SKEW)



**VIEW 4-4**  
(AT SKEWED PIER)

↑ - MEASURED TO CENTER OF 25 mm ⌀ SMOOTH DOWEL BARS. DOWEL BARS SHALL BE OMITTED AT EXPANSION PIERS.

W - WIDTH OF BOTTOM FLANGE  
T - THICKNESS OF WEB



**BEARING ORIENTATION AT PIERS**  
(BEAM NOT SHOWN)

SEE SHEET 5/7 FOR PIER DIAPHRAGM DETAILS.

SEE SHEET 6/7 FOR THREADED INSERT AND ROD DETAILS.

DESIGN AGENCY: BUREAU OF BRIDGES, STRUCTURAL DESIGN  
 STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
 PRESTRESSED CONCRETE I-BEAM BRIDGE DETAILS  
 DATE: 2-18-95  
 ENGINEER OF BRIDGES: Richard J. Engel  
 PSID-1-95W  
 CHECKED: JS  
 DESIGNED: SAM/FO  
 DRAWN: SAM  
 REVISIONS: