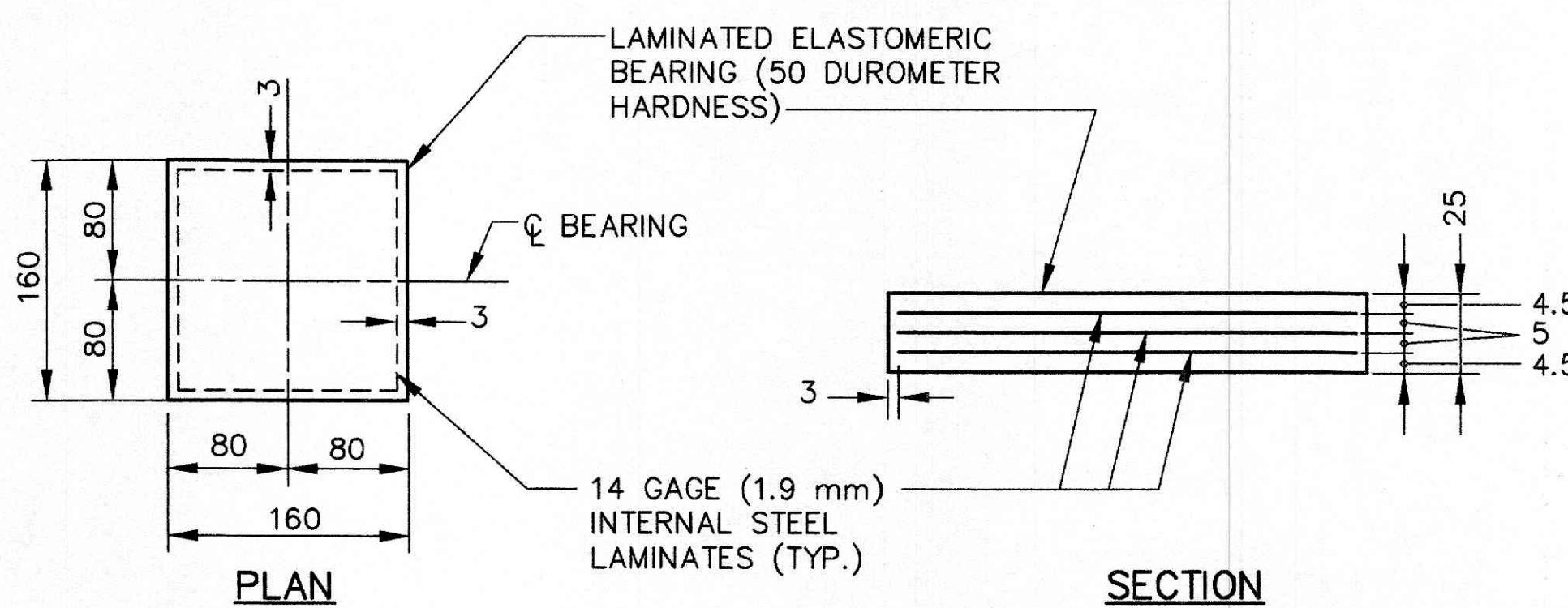


CAMBER AND SURFACE COURSE DIAGRAM  
 CALCULATED CAMBER AT TIME OF PAVING, INCLUDING ALLOWANCE FOR CAMBER GROWTH  
 DUE TO CREEP, IS 39 mm.

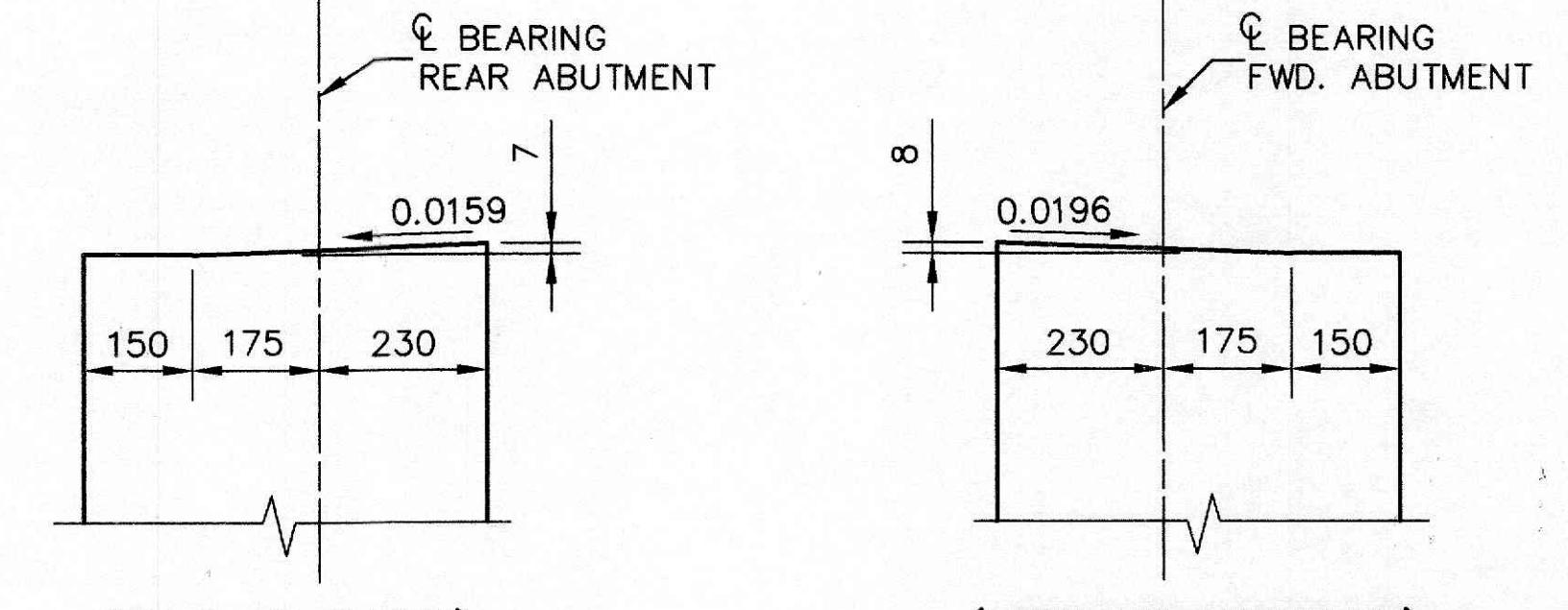
CALCULATED DEFLECTION DUE TO WEIGHT OF SURFACE COURSE AND RAILING IS 3 mm.  
 CAMBER OF 3 mm AT CENTER OF SPAN IS REQUIRED FOR THE CREST VERTICAL CURVE.  
 NET FINAL CAMBER OF BEAMS IS 36 mm. THIS IS 39 mm IN EXCESS OF THE AMOUNT  
 REQUIRED TO PLACE THE TOP OF THE BEAM PARALLEL TO PROFILE GRADE.  
 THIS EXCESS AMOUNT SHALL BE COMPENSATED FOR BY THICKENING THE 403 LEVELING  
 COURSE FROM 32 mm AT CENTER OF SPAN TO 69 mm AT THE REAR ABUTMENT  
 AND 73 mm AT THE FORWARD ABUTMENT.



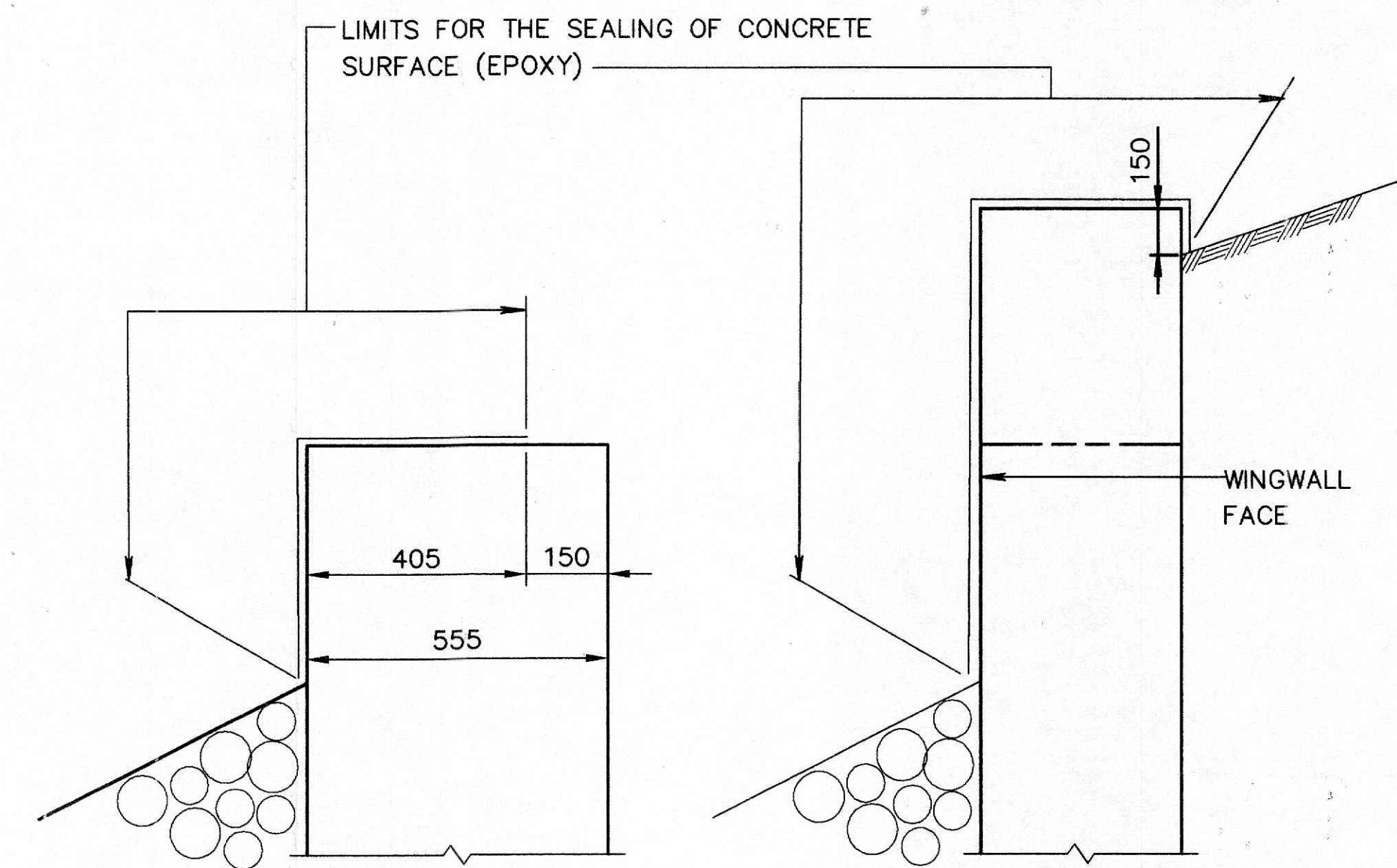
LAMINATED ELASTOMERIC BEARING  
 (NOT TO SCALE)

DEAD LOAD REACTION = 44.7 kN  
 LIVE LOAD REACTION = 44.2 kN  
 MAX. DESIGN LOAD = 91.9 kN

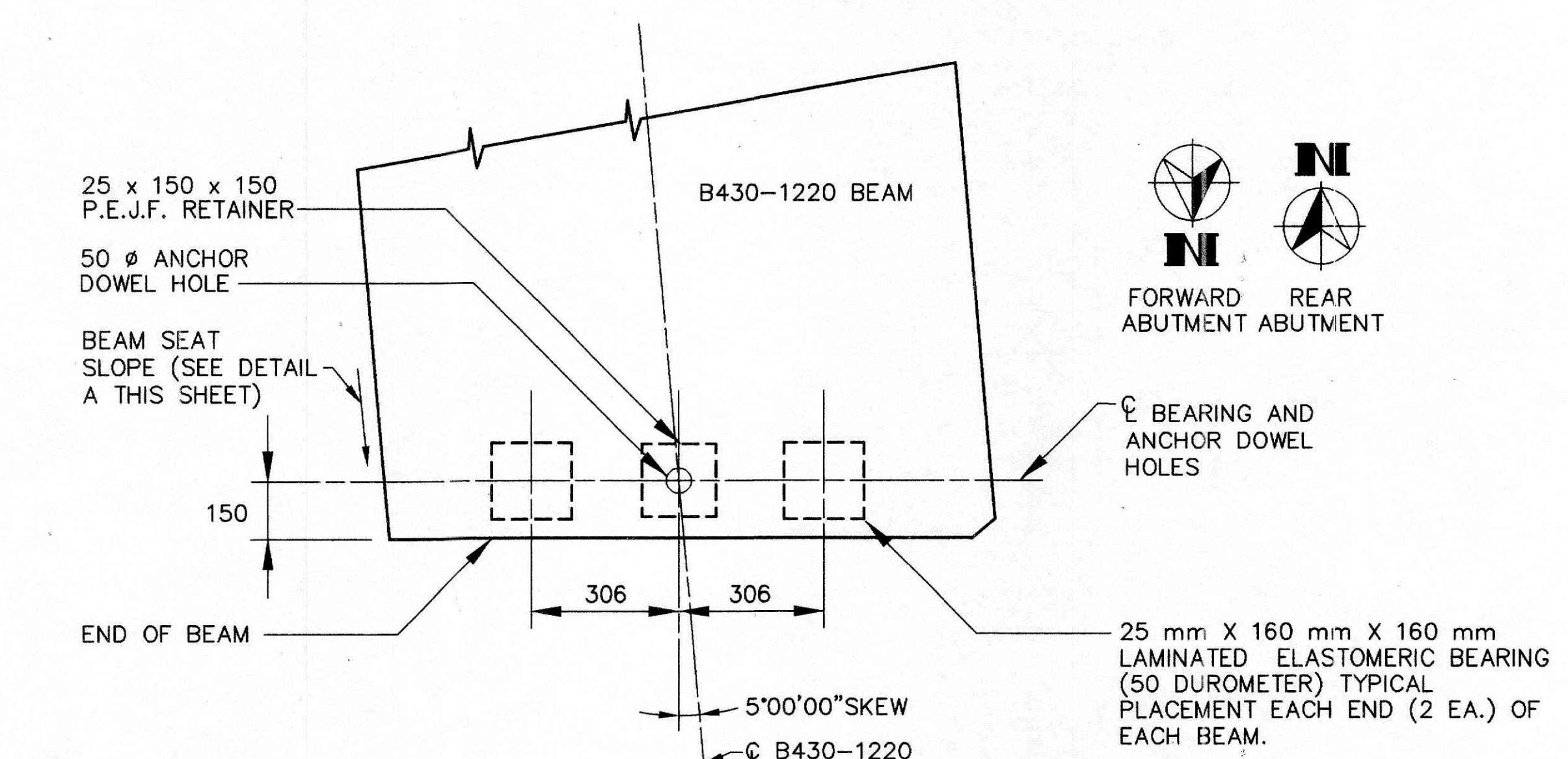
ELASTOMERIC BEARINGS SHALL COMPLY WITH ITEM 516 AND, ARTICLES 18.2.5 THROUGH  
 18.2.8 OF SECTION 18, BEARING DEVICES, DIVISION II, CONSTRUCTION OF THE AASHTO  
 STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES. BEARINGS SHALL BE GRADE 3, 50  
 DUROMETER ELASTOMER, AND SHALL BE SUBJECT TO THE LOAD TESTING REQUIREMENTS  
 CORRESPONDING TO DESIGN METHOD A. THE UNIT BID PRICE SHALL INCLUDE ALL  
 MATERIALS, LABOR, TESTING, ANCHOR RODS AND INCIDENTALS NECESSARY TO FURNISH  
 AND INSTALL LAMINATED ELASTOMERIC BEARINGS. PAYMENT WILL BE MADE AT THE  
 CONTRACT PRICE FOR ITEM 516, EACH, ELASTOMERIC BEARINGS WITH INTERNAL  
 LAMINATES ONLY (NEOPRENE) (25 X 160 X 160).



DETAIL A  
 (BEAM SEAT SLOPE DETAIL)



LIMITS FOR SEALING OF CONCRETE SURFACE



ANCHOR DOWEL AND BEARING PAD LAYOUT  
 (REAR ABUTMENT SHOWN)