

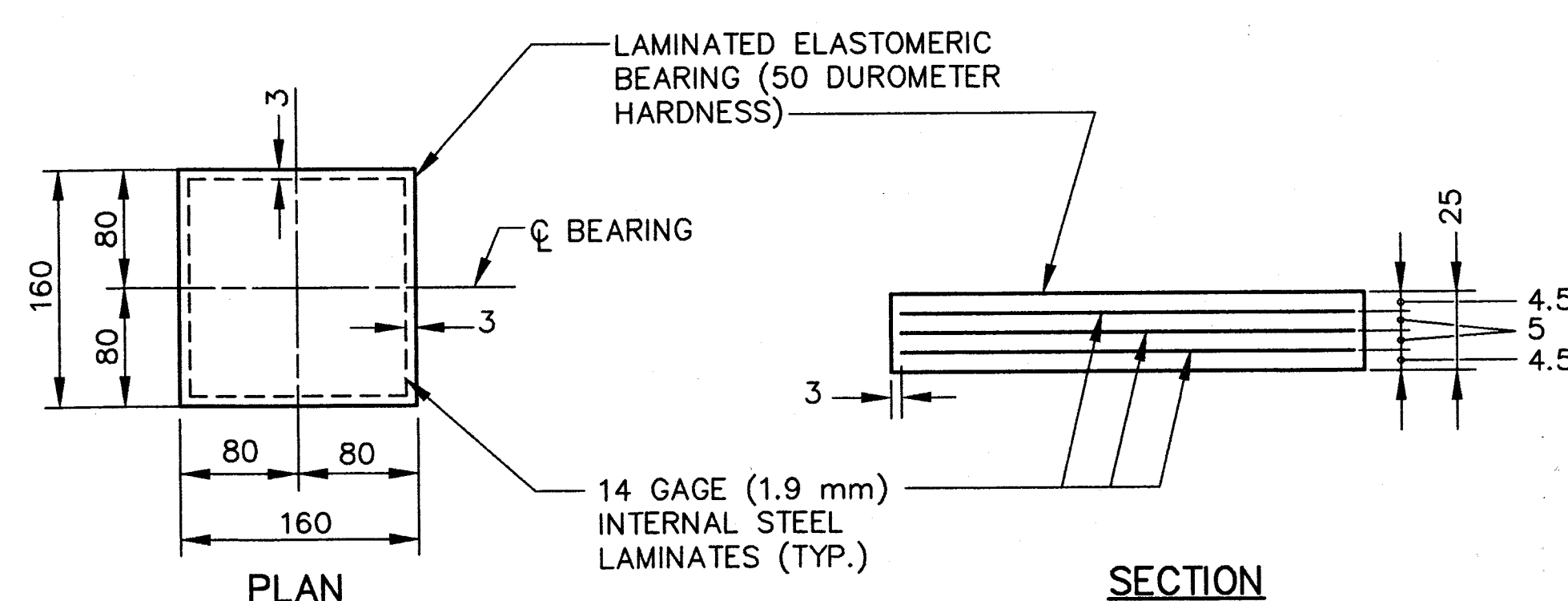
CAMBER AND SURFACE COURSE DIAGRAM

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.

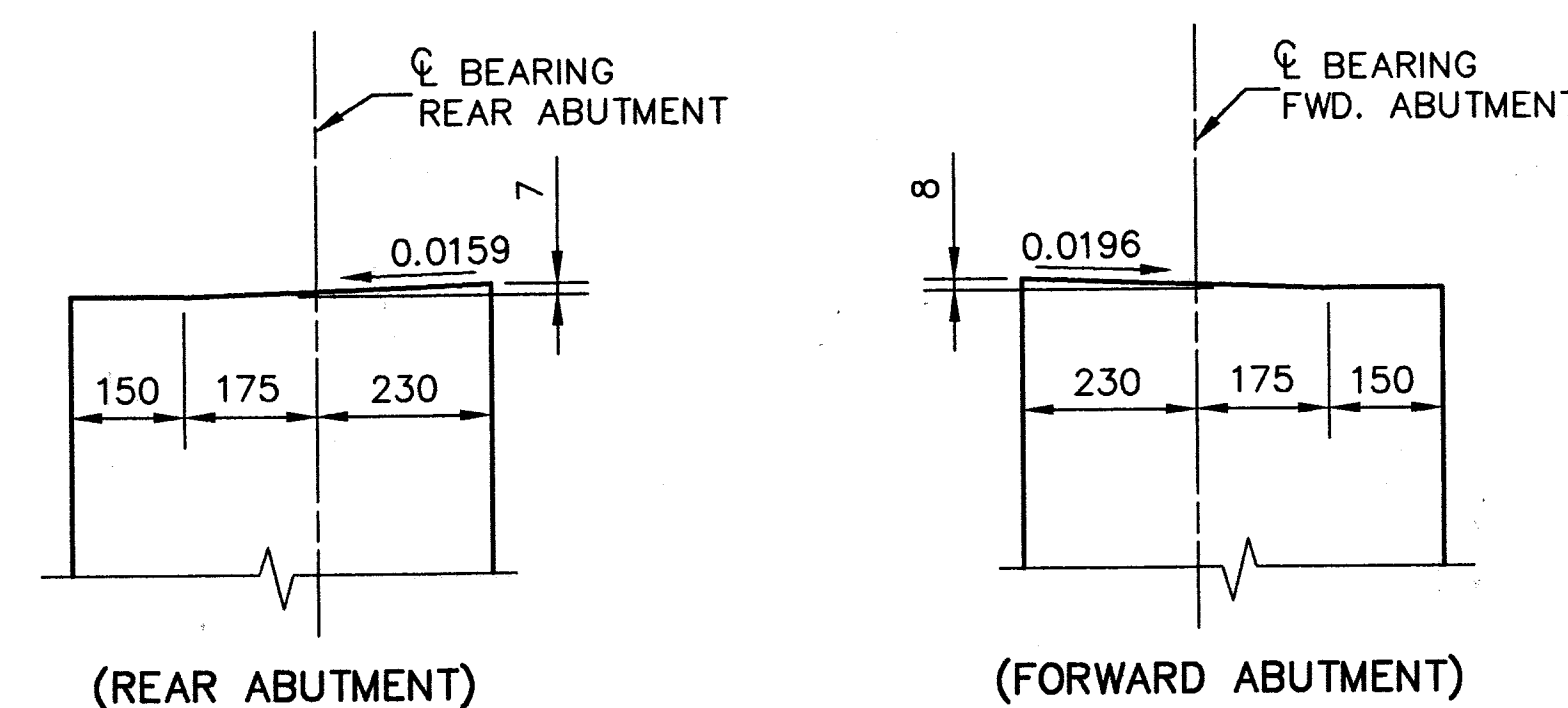
NET FINAL CAMBER OF BEAMS IS 36 mm. THIS IS 39 mm IN EXCESS OF THE AMOUNT REQUIRED TO PLACE THE TOP OF THE BEAM PARALLEL TO PROFILE GRADE. THIS EXCESS AMOUNT SHALL BE COMPENSATED FOR BY THICKENING THE 403 LEVELING COURSE FROM 32 mm AT CENTER OF SPAN TO 69 mm AT THE REAR ABUTMENT AND 73 mm AT THE FORWARD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



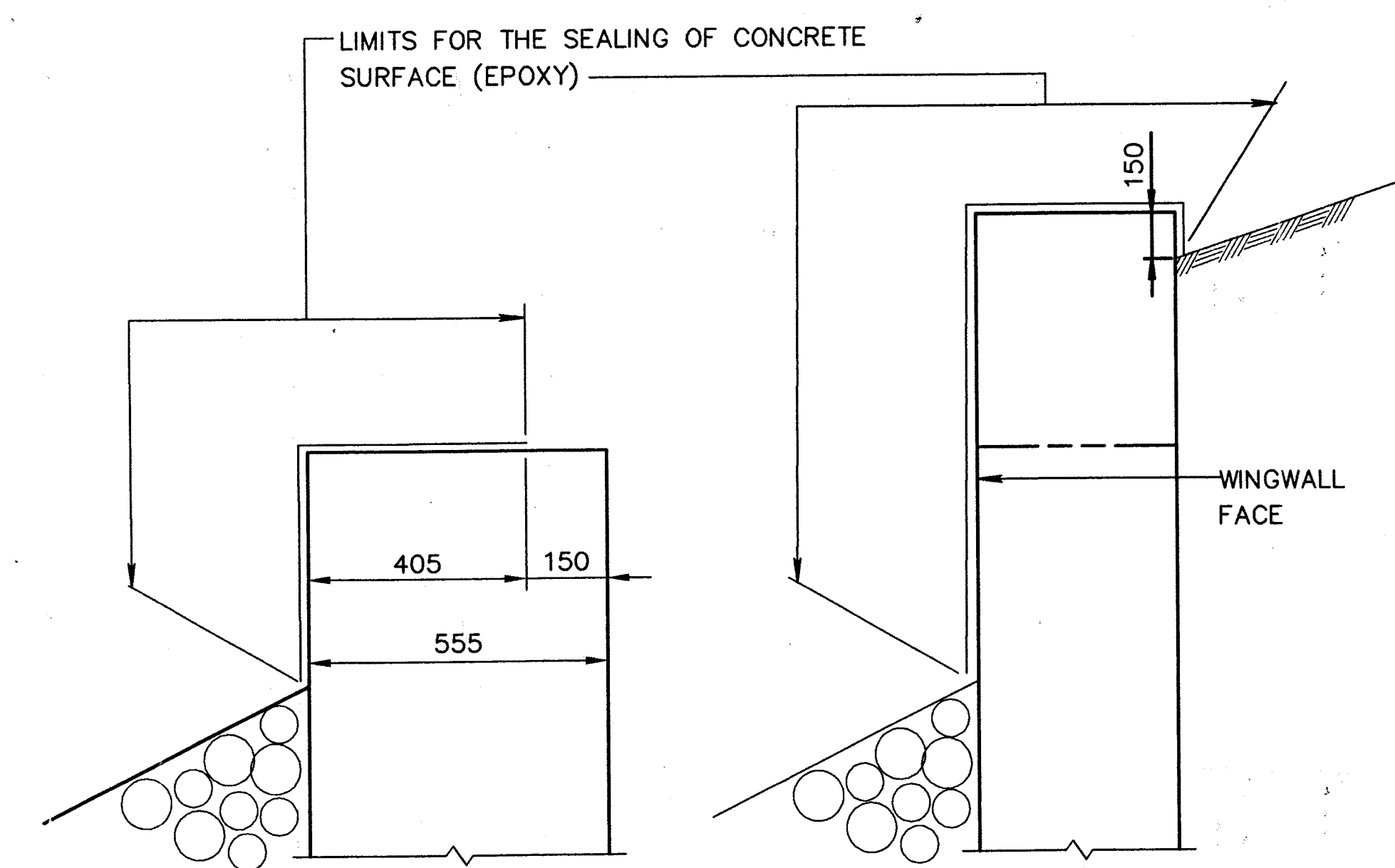
LAMINATED ELASTOMERIC BEARING (NOT TO SCALE)

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

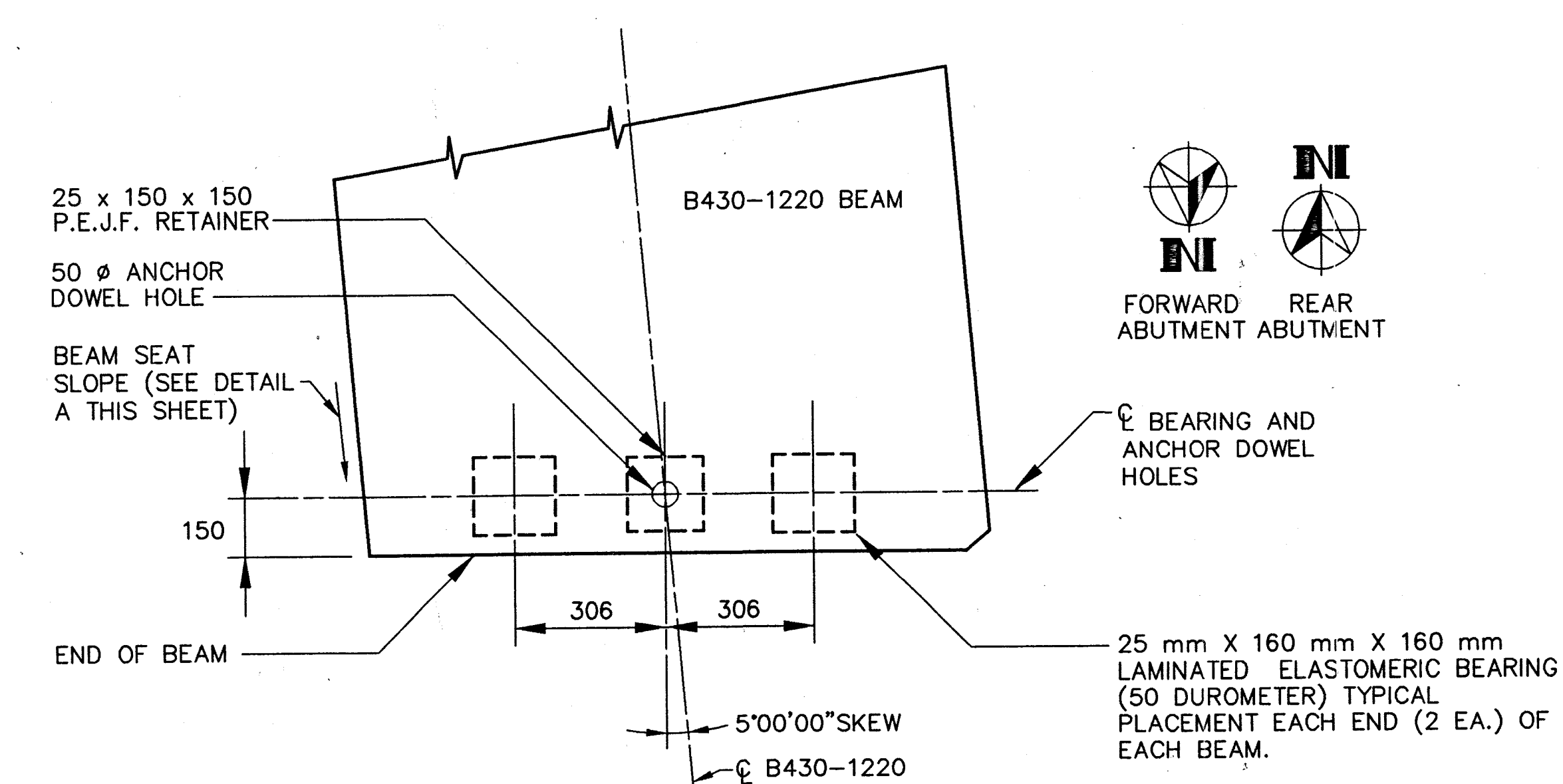
ELASTOMERIC BEARINGS SHALL COMPLY WITH ITEM 516 AND, ARTICLES 18.2.5 THROUGH 18.2.8 OF SECTION 18, BEARING DEVICES, DIVISION II, CONSTRUCTION OF THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES. BEARINGS SHALL BE GRADE 3, 50 DUROMETER ELASTOMER, AND SHALL BE SUBJECTED TO THE LOAD TESTING REQUIREMENTS 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)