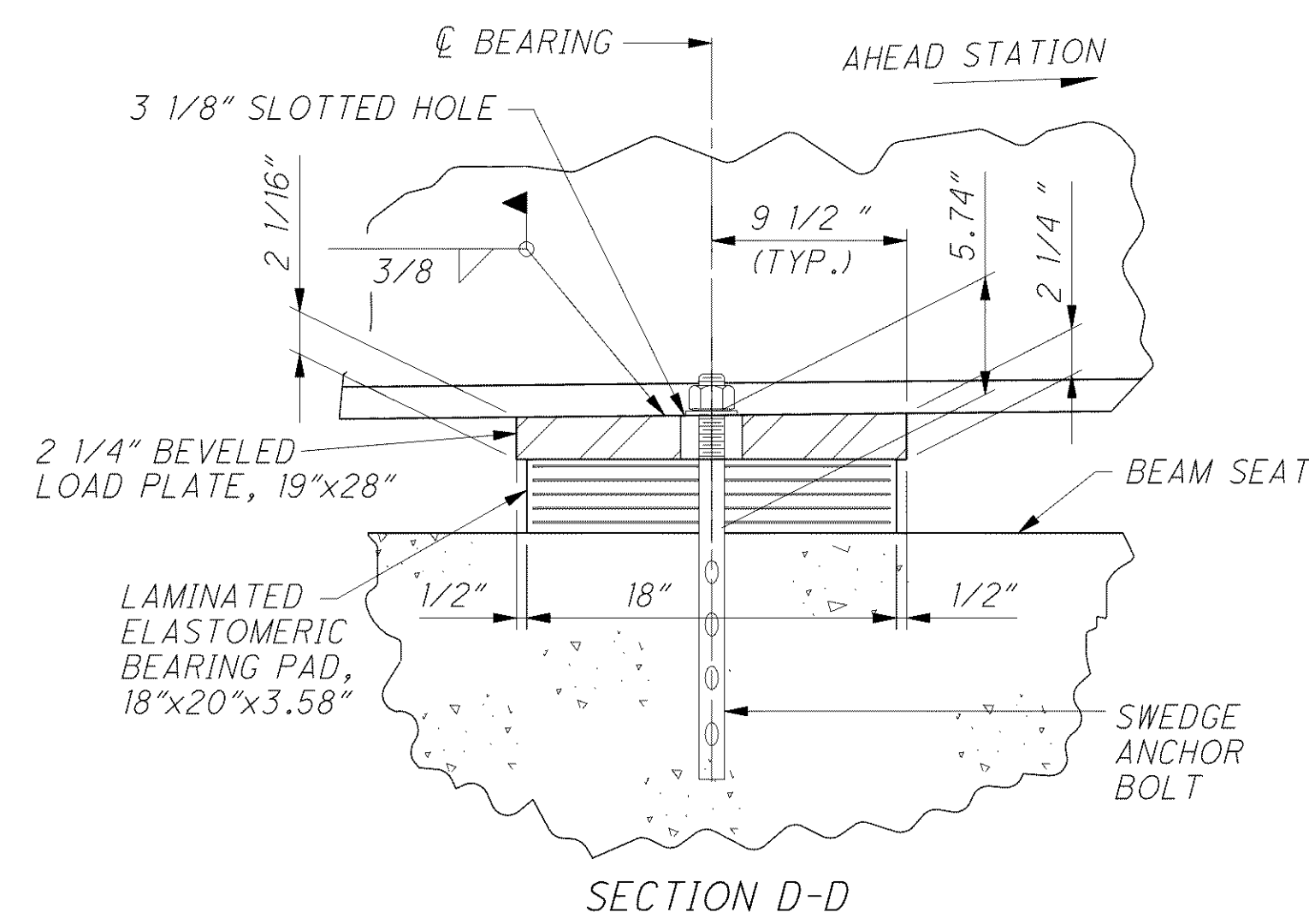
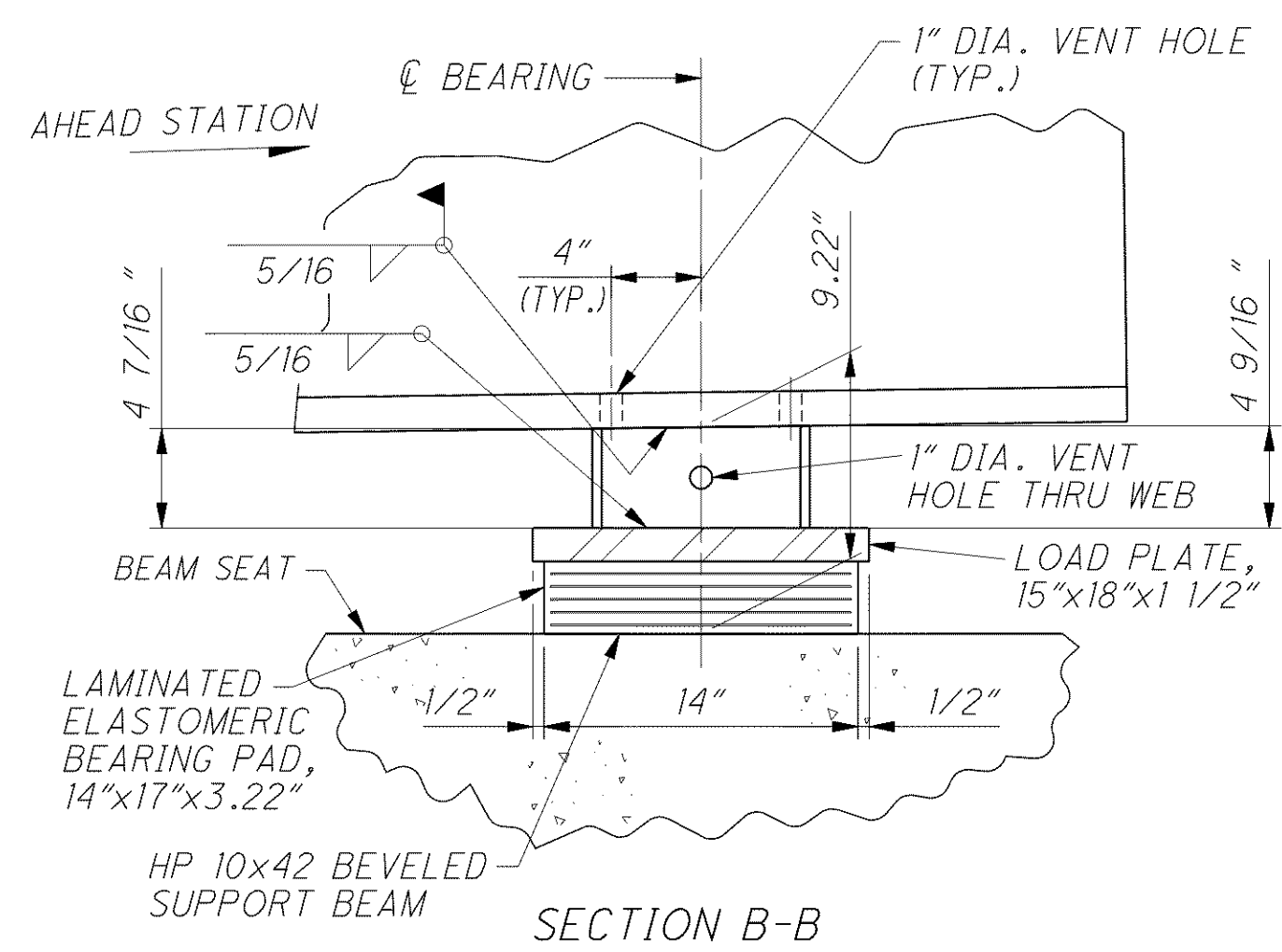
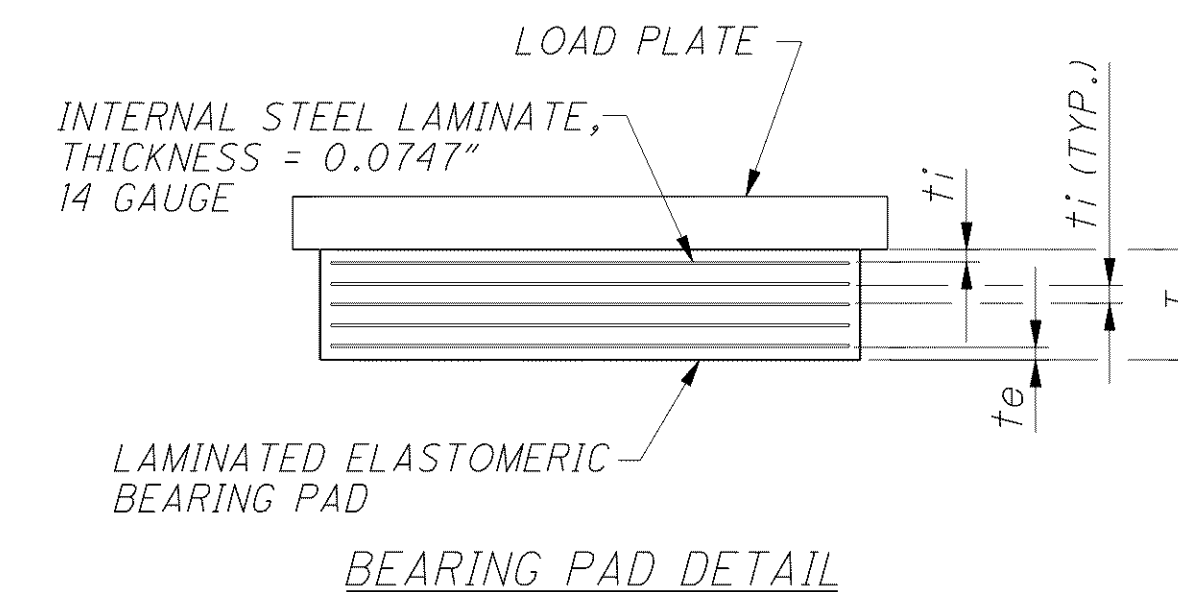
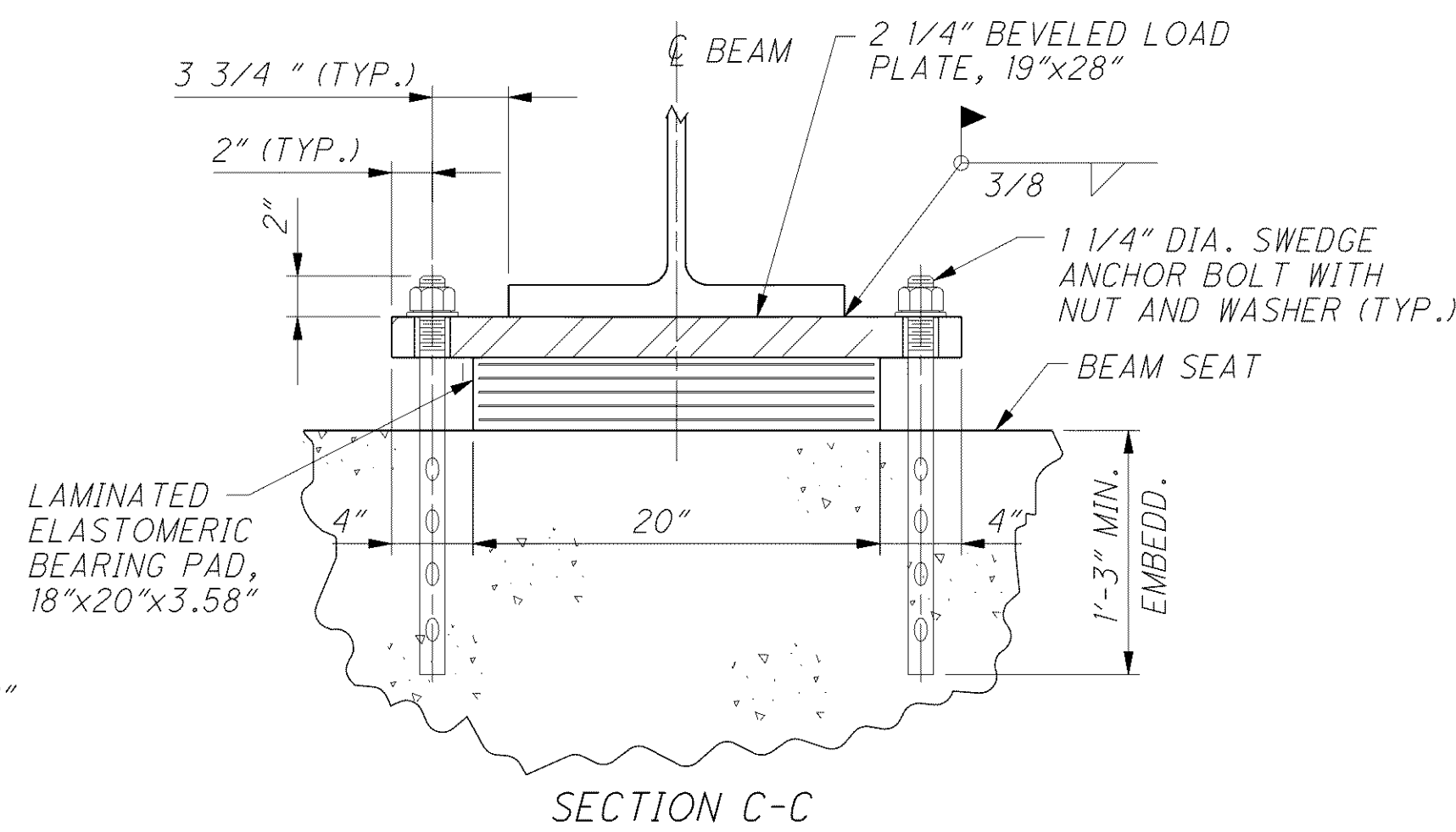
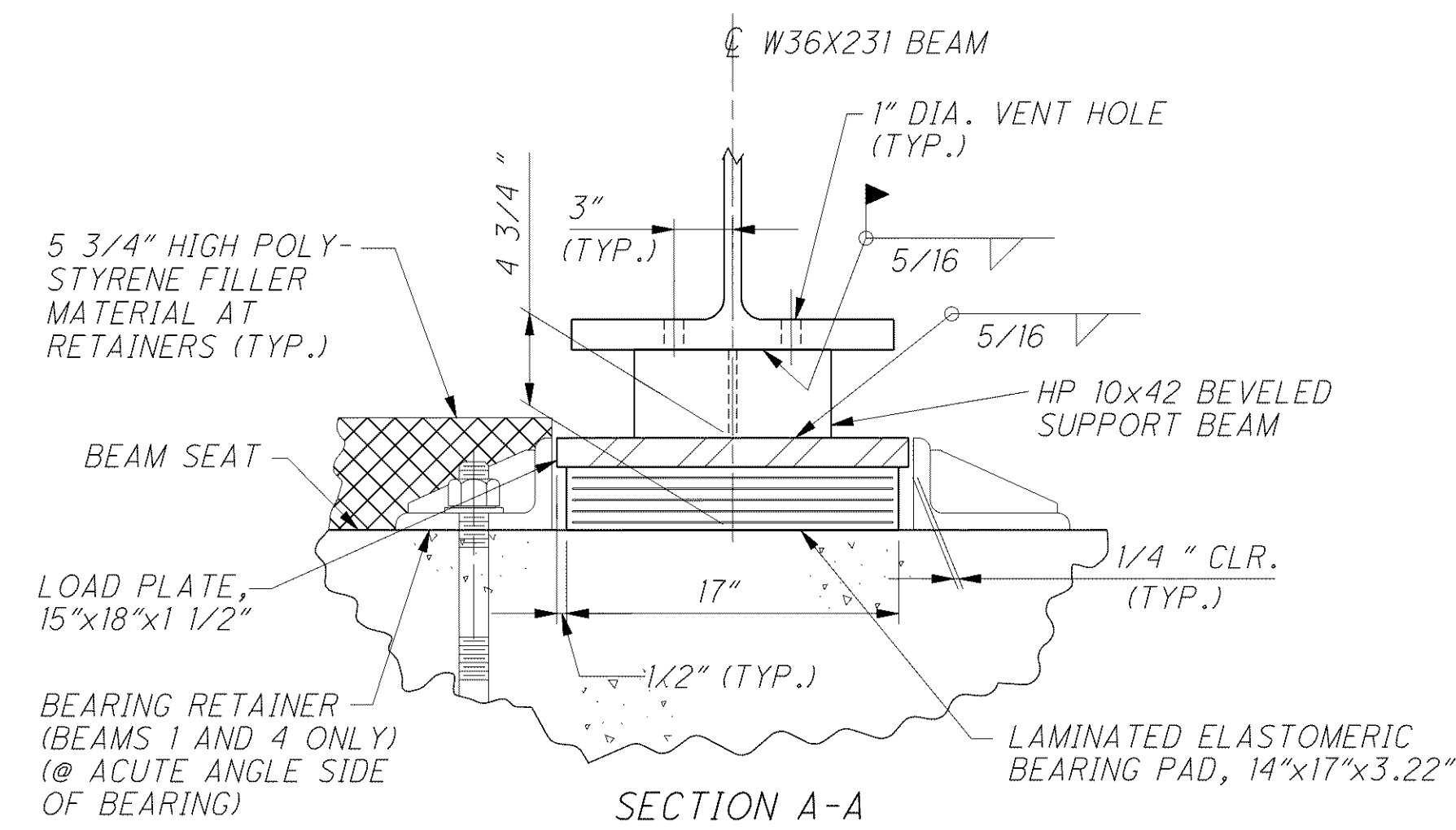
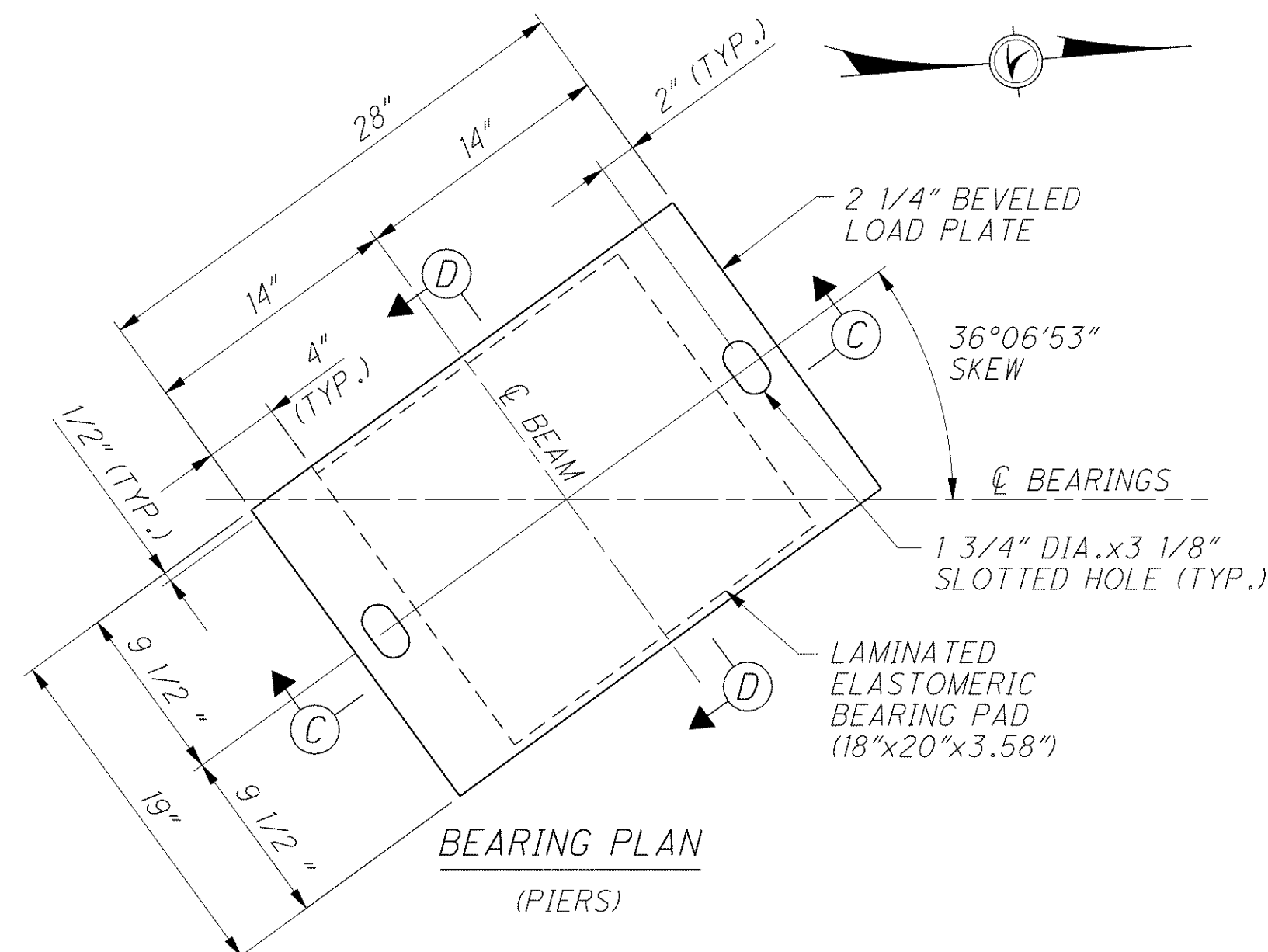
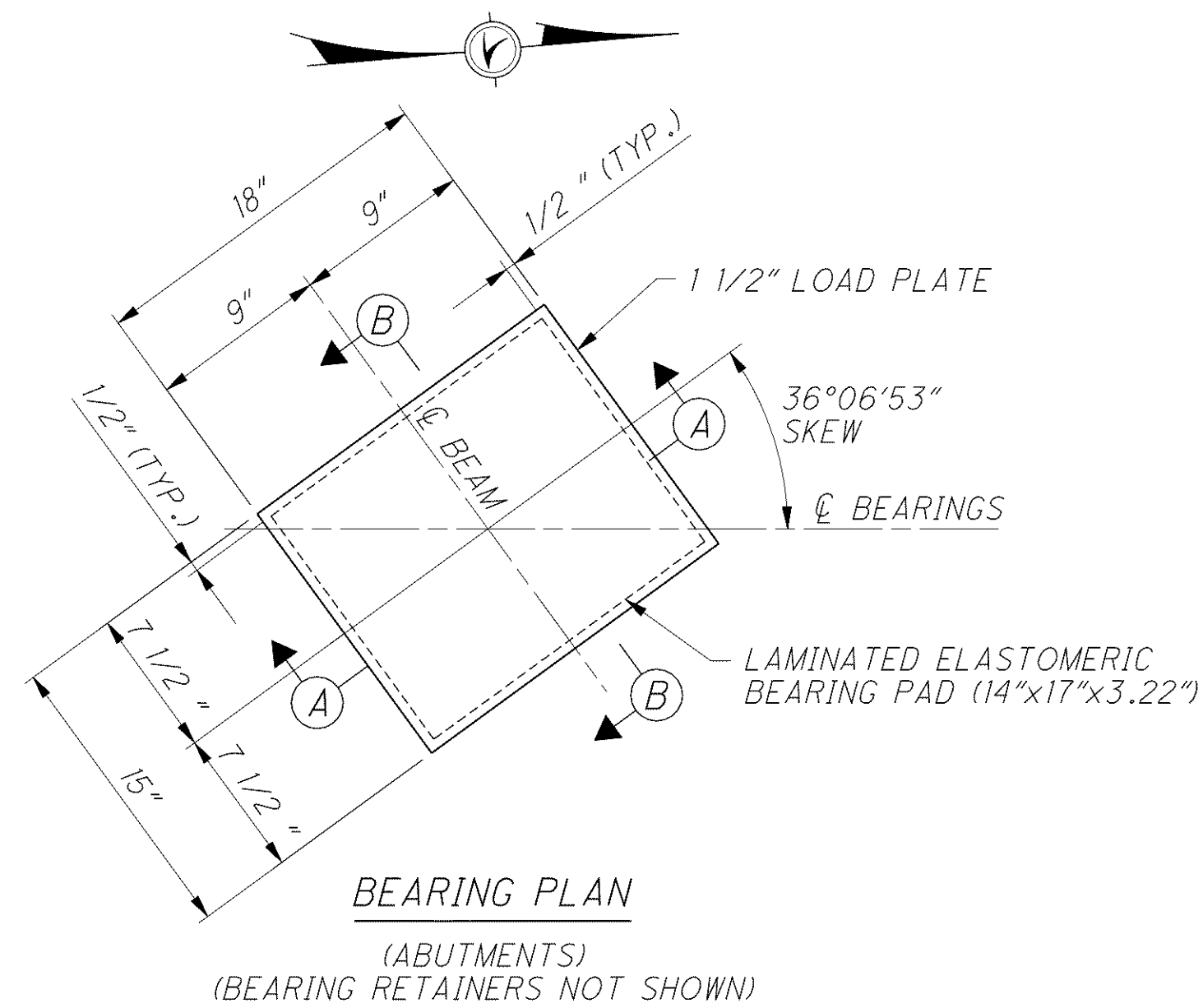


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NOTES

- LOAD PLATES: THE STEEL LOAD PLATE AND HP10x42 SUPPORT BEAM SHALL BE ASTM A709, GRADE 50. THE STEEL LOAD PLATE SHALL BE BONDED BY VULCANIZATION TO THE ELASTOMER DURING THE MOLDING PROCESS. WELDING OF THE LOAD PLATE AND THE HP10x42 SUPPORT BEAM SHALL BE CONTROLLED SO THAT THE PLATE TEMPERATURE AT THE ELASTOMER BONDED SURFACE DOES NOT EXCEED 300° F AS DETERMINED BY THE USE OF PYROMETRIC STICKS OR OTHER TEMPERATURE MONITORING DEVICES.
- ELASTOMERIC BEARINGS: THE ELASTOMER SHALL HAVE A HARDNESS OF 60 DUROMETER. THE BEARINGS WERE DESIGNED UNDER DIVISION 1, SECTION 14.6.6.3 (METHOD A) OF THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.
- ALL MATERIALS, LABOR AND INCIDENTALS NECESSARY TO FURNISH AND INSTALL ABUTMENT BEARINGS, INCLUDING LOAD PLATES, SUPPORT BEAM, BEARING RETAINERS, AND ANCHOR RODS, SHALL BE INCLUDED IN ITEM 516, ELASTOMERIC BEARING WITH INTERNAL LAMINATES (17"x14"x3.22") AND LOAD PLATE (18"x15"x15") (NEOPRENE) A.P.P. FOR PAYMENT.
- ALL MATERIALS, LABOR, AND INCIDENTALS NECESSARY TO FURNISH AND INSTALL PIER BEARINGS, INCLUDING LOAD PLATES, AND ANCHOR BOLTS SHALL BE INCLUDED IN ITEM 516, ELASTOMERIC BEARING WITH INTERNAL LAMINATES (20"x18"x3.58") AND (28"x19"x2 1/4") (NEOPRENE), A.P.P. FOR PAYMENT.
- FOR ABUTMENT DETAILS SEE SHEETS 7 | 28 THRU 12 | 28.
- FOR FRAMING PLAN AND BEAM DETAILS SEE SHEETS 14 | 28 THRU 16 | 28.
- BEARING REPOSITIONING: IF THE STEEL IS ERECTED AT AN AMBIENT TEMPERATURE HIGHER THAN 80° F OR LOWER THAN 40° F AND THE BEARING SHEAR DEFLECTION EXCEEDS 1/6 OF THE BEARING HEIGHT AT 60° F (+/-) 10° F, RAISE THE BEAMS TO ALLOW THE BEARINGS TO RETURN TO THEIR UNDEFORMED SHAPE AT 60° F (+/-) 10° F.
- AT THE OPTION OF THE CONTRACTOR, THE BEARING ANCHOR RODS LOCATED AND SUPPORTED BY TEMPLATES, MAY BE CAST-IN-PLACE.
- FOR BEARING RETAINER DETAILS, SEE ODOT STANDARD BRIDGE DRAWING SICD-I-96.
- FOR LEGEND OF ABBREVIATIONS SEE SHEET 3 | 28.

BEARING DATA								
LOCATION	60 DUROMETER							
	SIZE		(THICKNESS) "DIM. T"	t_i	t_e	NUMBER OF t_i	NUMBER OF t_e	NUMBER OF STEEL LAMINATES
ABUTMENTS	14"	17"	3.22"	0.500"	0.350"	5	1	5
PIERS	18"	20"	3.58"	0.563"	0.394"	5	1	5

BEARING LOAD DATA			
LOCATION	DEAD LOAD (KIPS/PAD)	LIVE LOAD (W/O IMPACT) (KIPS/PAD)	DESIGN LOAD (KIPS/PAD)
REAR ABUT.	102.13	62.22	164.35
FORWARD ABUT.	102.13	62.22	164.35
PIERS	184.67	85.76	270.43