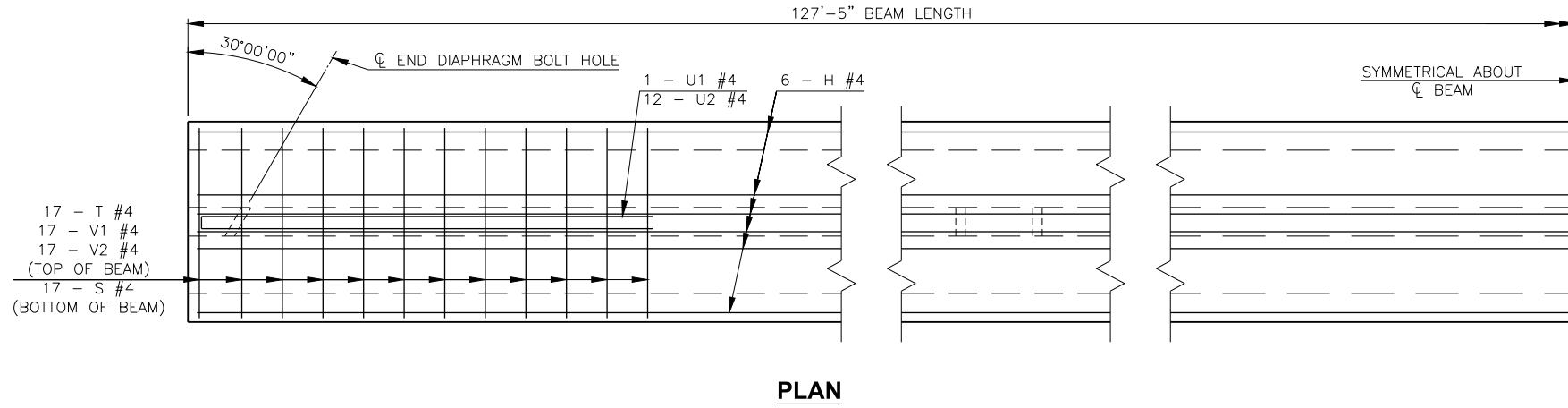
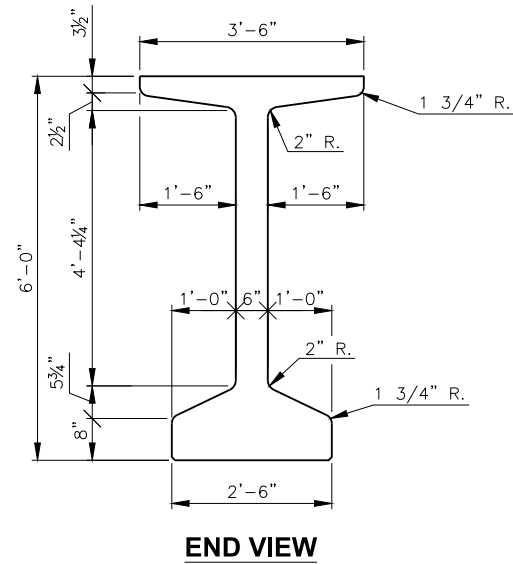


DESCRIPTION	REVISIONS	DATE

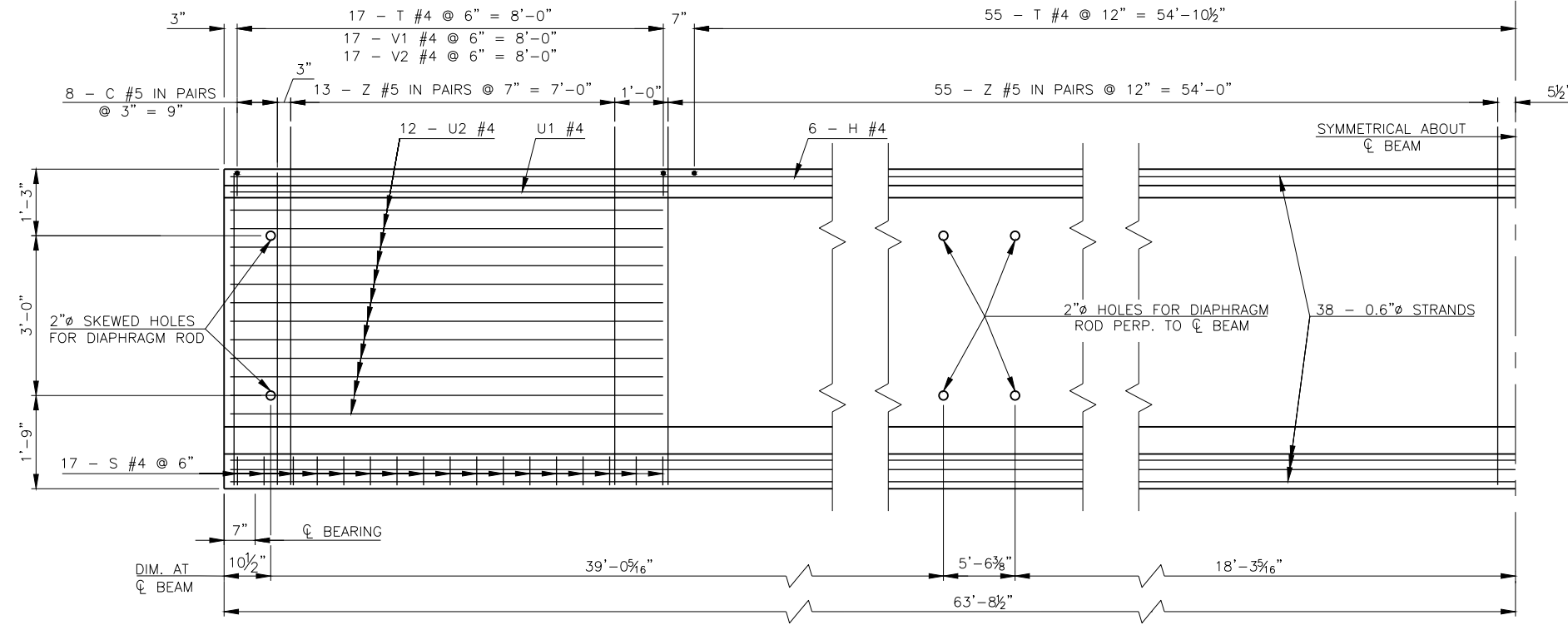
PRESTRESSED CONCRETE BEAM NOTES
 COMPRESSIVE STRENGTH
 PROVIDE CONCRETE WITH A COMPRESSIVE STRENGTH OF 7,000 P.S.I. AT TRANSFER OF PRESTRESS AND 10,000 P.S.I. AT 28 DAYS.
 STRAND TYPE
 PROVIDE LOW-RELAXATION STRANDS HAVING A NOMINAL DIAMETER OF 0.6" WITH ULTIMATE TENSILE STRENGTH OF 270 K.S.I.



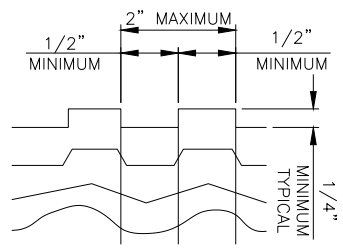
PLAN



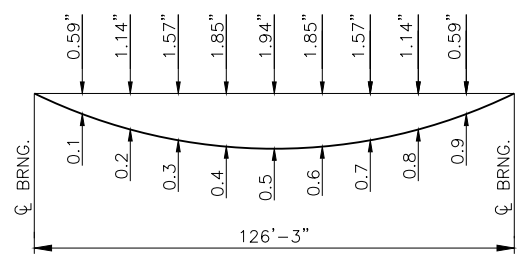
END VIEW



ELEVATION



INTENTIONALLY ROUGHENED SURFACE DETAILS
 INTENTIONALLY ROUGHEN THE ENTIRE TOP SURFACE OF P.C. BEAM TO A MINIMUM HEIGHT OF 1/4" OVER A MAXIMUM PITCH OF 2" MEASURED LONGITUDINALLY ALONG THE LENGTH OF THE BEAM. PROVIDE A CREST AND TROUGH ASSOCIATED WITH THE HEIGHT OF NOT LESS THAN 1/2". PRODUCE THE ROUGHENED SURFACE BY USING A SPECIAL TROWEL TO FORM ONE OF THE SURFACES SHOWN IN THE DETAILS, BY CLEANING THE CONCRETE SURFACE WITH A STIFF WIRED BRUSH (OR BLASTING) TO EXPOSE THE AGGREGATE TO A HEIGHT OF 1/4", OR BY USING ANOTHER APPROVED METHOD. SUBMIT THE METHOD TO BE USED FOR APPROVAL BY THE ENGINEER. REPAIR ANY DAMAGE TO REINFORCEMENT'S EPOXY COATING BEFORE PLACEMENT OF DECK CONCRETE.



DEAD LOAD DEFLECTION DIAGRAM

NOTE:
 THE DEAD LOAD DEFLECTION SHOWN ABOVE AT THE TENTH POINTS ARE THE INITIAL DEFLECTIONS DUE TO DECK SLAB + DIAPHRAGMS + S.I.P. DECK FORM ALLOWANCE + CONCRETE TRAFFIC RAIL. IT DOES NOT INCLUDE THE BEAM WEIGHT OR FUTURE WEARING SURFACE.

DESIGN	T.A.C.	OKLAHOMA CITY BOULEVARD	OKLAHOMA COUNTY
DRAWN	R.A.P.	OVER CLASSEN BLVD.	BRIDGE A & B
CHECKED	T.A.C.	BEAM DETAILS (SHEET 1 OF 2)	
APPROV.	T.A.C.		
SQUAD	CEC		
		JOB PIECE NO. 17428(88)	SHEET NO. 96