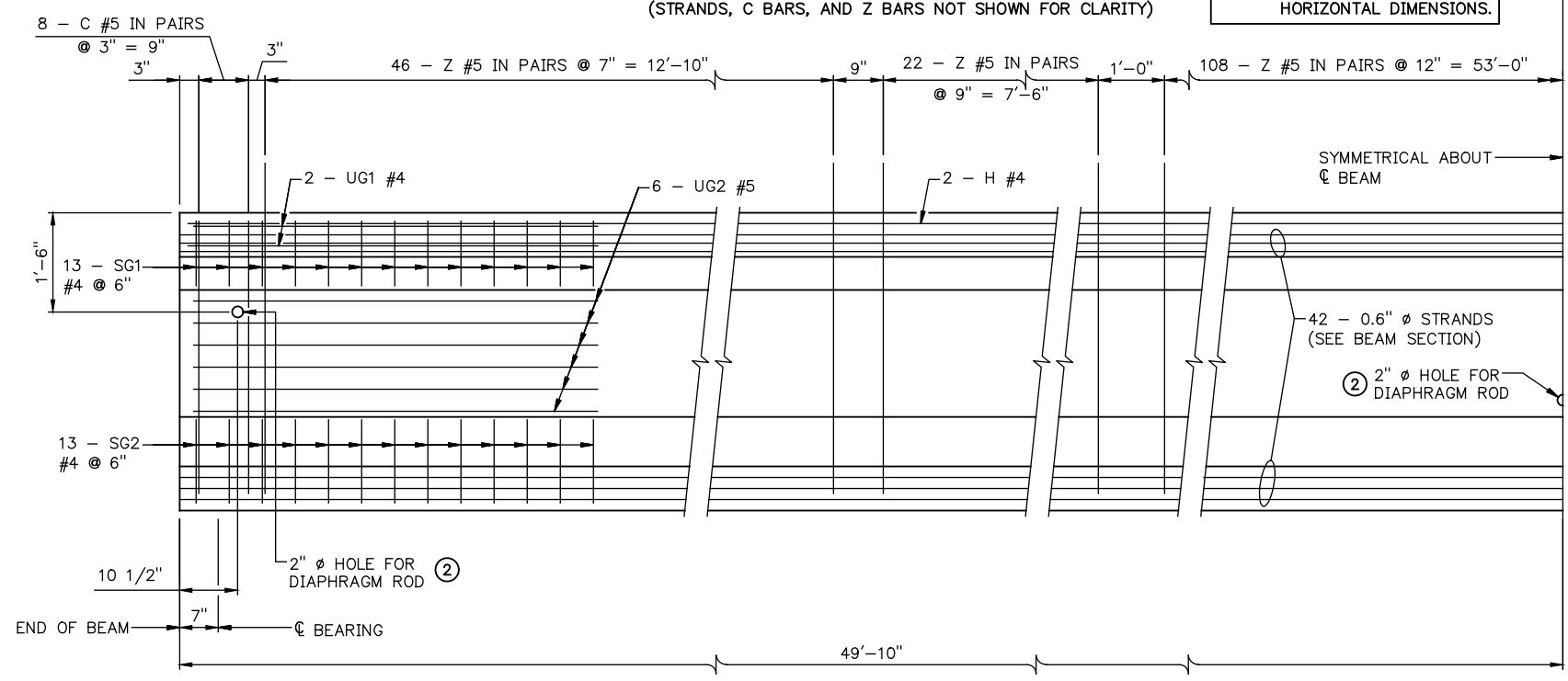


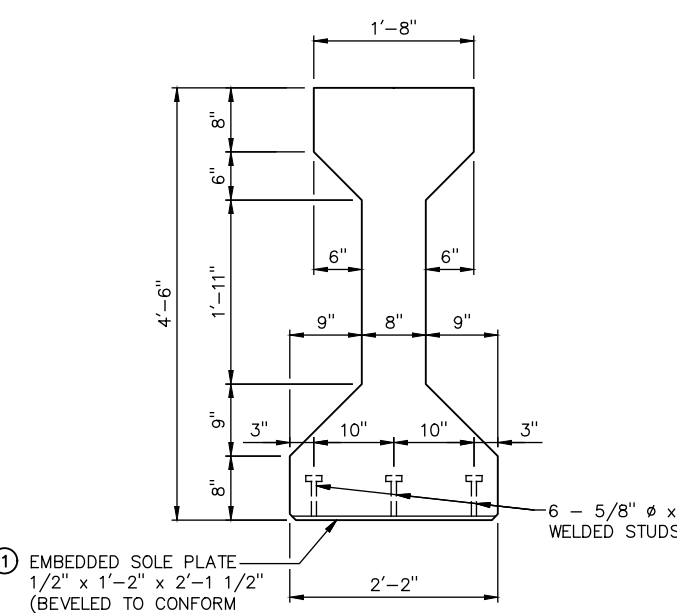
HALF PLAN
(STRANDS, C BARS, AND Z BARS NOT SHOWN FOR CLARITY)

NOTES: ALL LONGITUDINAL DIMENSIONS ARE HORIZONTAL DIMENSIONS.



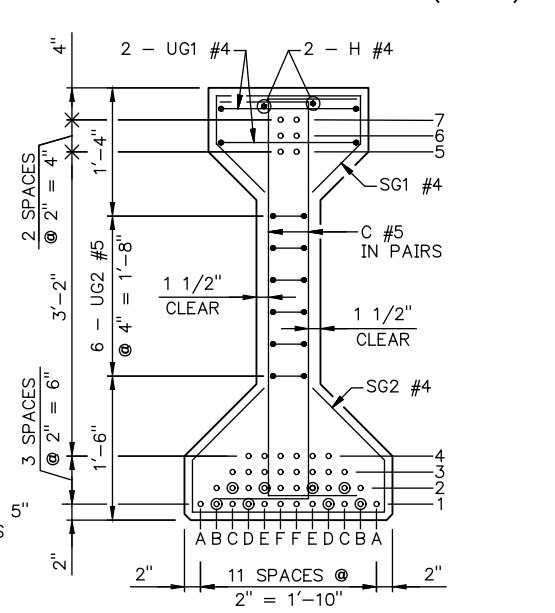
HALF ELEVATION

* DEBOND LENGTH FROM END OF BEAM = 13'-0" (ROW "1")
17'-0" (ROW "2")



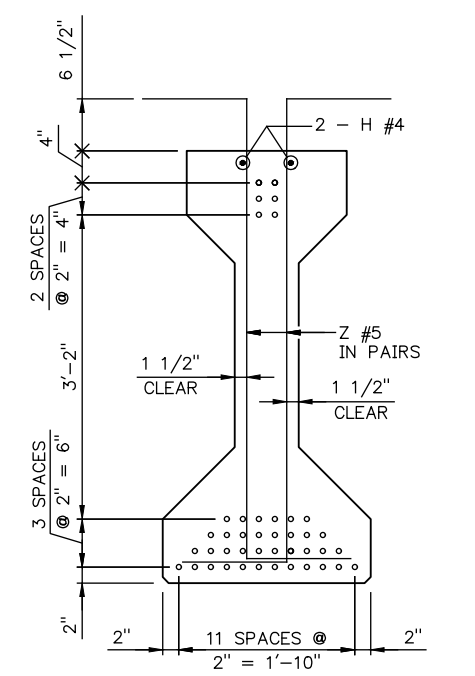
TYPICAL SECTION
(STRANDS, C BARS, AND Z BARS NOT SHOWN FOR CLARITY)

○ - DENOTES PRESTRESSING STRAND
⊙ - DENOTES DEBONDED STRAND *



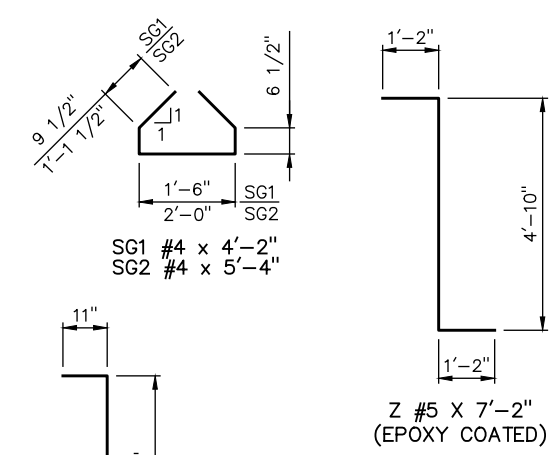
END SECTION

NOTE: WELDED STUDS & EMBEDDED SOLE PLATE OMITTED FOR CLARITY

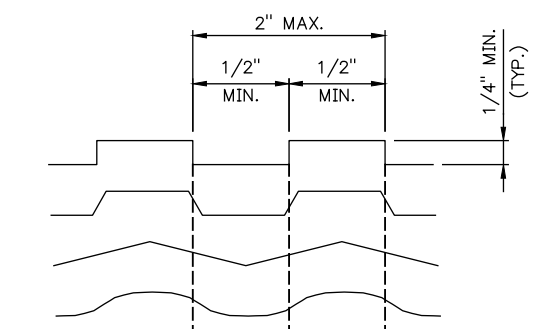


SECTION

42 - 0.6" DIA. STRANDS

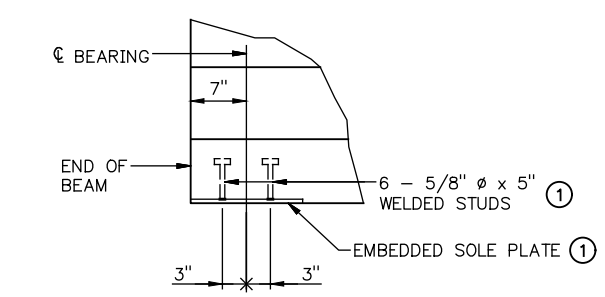


BAR BEND DETAILS



INTENTIONALLY ROUGHENED SURFACE EXAMPLES

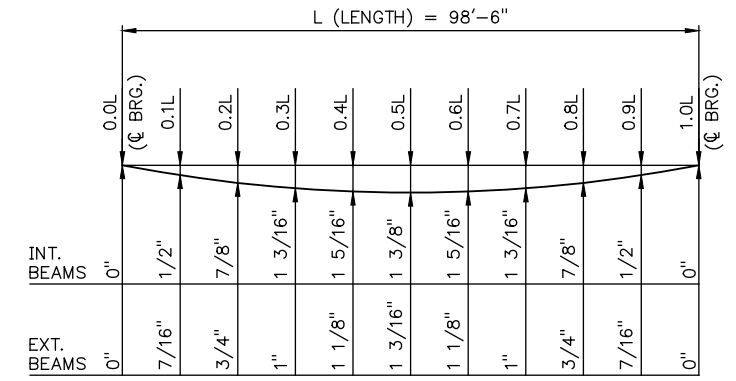
INTENTIONALLY ROUGHEN THE ENTIRE TOP SURFACE OF THE P.C. BEAM TO A MINIMUM HEIGHT OF 1/4" OVER A MAXIMUM PITCH OF 2" MEASURED LONGITUDINALLY ALONG THE LENGTH OF THE BEAM. PROVIDE A CREST AND TROUGH ASSOCIATED WITH THE HEIGHT OF NOT LESS THAN 1/2". PRODUCE THE ROUGHENED SURFACE SHOWN IN THE DETAILS, BY CLEANING THE CONCRETE SURFACE WITH A STIFF WIRE 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.



EMBEDDED SOLE PLATE DETAIL AT END OF BEAM

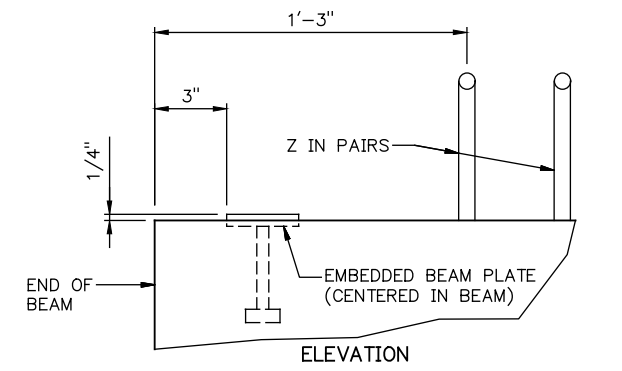
PC BEAM NOTES:
COMPRESSIVE STRENGTH: PROVIDE CONCRETE WITH A COMPRESSIVE STRENGTH OF 7,000 PSI AT TRANSFER OF PRESTRESS AND 10,000 PSI AT 28 DAYS.
STRAND TYPE: PROVIDE LOW-RELAXATION STRANDS HAVING A NOMINAL DIAMETER OF 0.6" WITH AN ULTIMATE TENSILE STRENGTH OF 270 KSI.
LFD OPERATING RATING = HS 60.41
FOR ADDITIONAL DESIGN DATA, SEE SHEET NO. 32.

- ① INSTALL AT EACH END OF BEAM.
- ② SHIFT PLAIN REINFORCING STEEL AS NECESSARY TO PROVIDE 1" MIN. CLEAR TO DIAPHRAGM ROD HOLE.

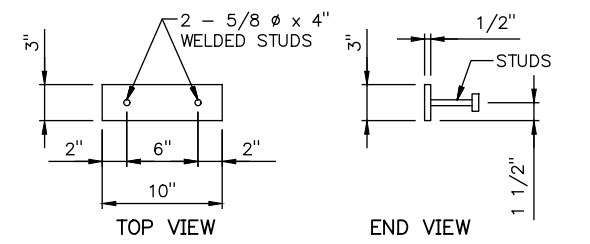


DEAD LOAD DEFLECTION DIAGRAM

NOTE: THE DEAD LOAD DEFLECTIONS SHOWN ABOVE ARE DUE TO THE SLAB, DIAPHRAGMS, HAUNCH, AND TRAFFIC RAILS AND ARE THEORETICAL ONLY. (DEFLECTIONS DO NOT INCLUDE BEAM WEIGHT OR FUTURE WEARING SURFACE.) DEAD LOAD DEFLECTION SHALL BE TAKEN INTO CONSIDERATION IN FORMING AND POURING THE SLAB AND HAUNCHES.



ELEVATION



EMBEDDED BEAM PLATE DETAILS

NOTE: PROVIDE AN EMBEDDED BEAM PLATE AT EXPANSION ENDS ONLY

TYPE IV P.C. BEAM DETAILS

(SPAN NO. 1 THRU 10)
BRIDGE "A" C.R.L. STA. 586+80.46