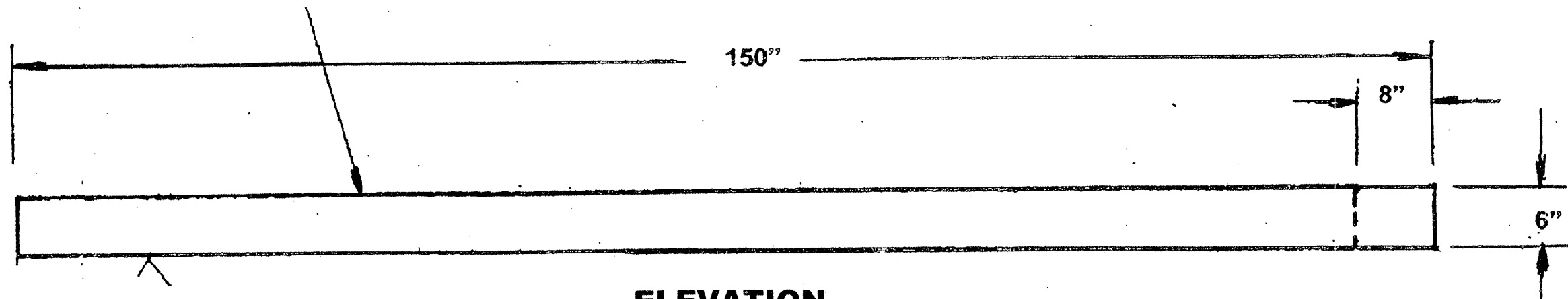


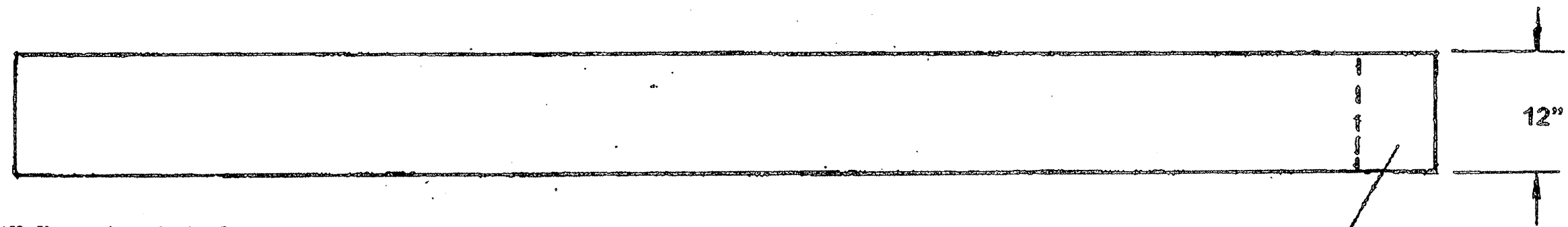
Ultrasonic testing of plate in accord with ASTM A435; max allowable indication of 7/32".

All detectable flaws shall be reported; disposition shall be determined by IL DOT.



125 µin surface prior to cutting rack teeth

**ELEVATION**



All dimensions in inches except as noted

**PLAN**

Take tensile and Charpy V-notch bars from this piece; samples shall meet ASTM A370 standard requirements

**STARTING PLATE FOR RACK**

**Material (for racks with socket head screws):**  
**E4340 Special Quality Alloy Steel Plate, 6" thick, quenched and tempered,**  
**tensile strength 115 ksi min**  
**yield strength 95 ksi min**  
**% elongation 16% min**  
**impact toughness 25 ft-lbs at 40° F min**  
**in the longitudinal direction**

FILE NAME : c:\projects\struct\099-0166.dgn
USER NAME : tynakomv
PLOT SCALE : 2.0624" / IN.
PLOT DATE : 7/14/2008

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

US 30 (EB) (JEFFERSON STREET) OVER DES PLAINES RIVER  
 STARTING PLATE FOR RACKS  
 S.N. 099-0166  
 SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 607	SECTION 128 RB-1-3	COUNTY WILL	TOTAL SHEETS 11	SHEET NO. 5
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 60E92	