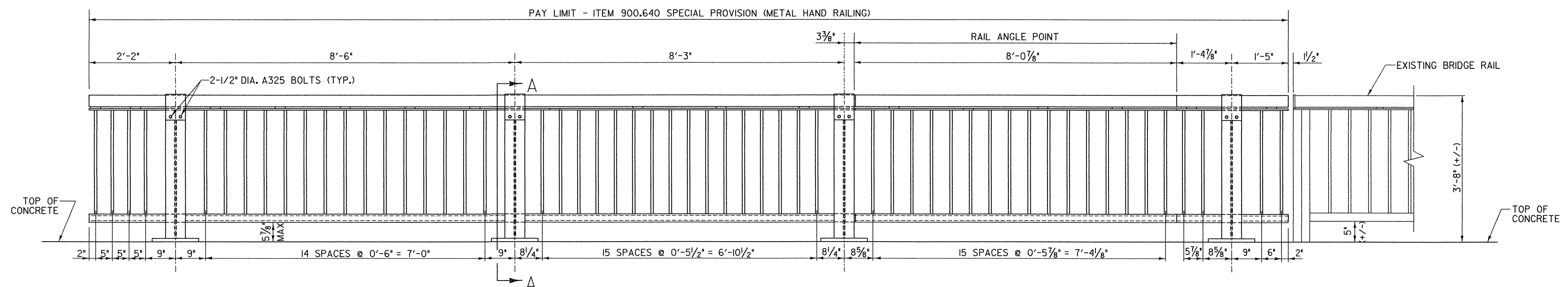


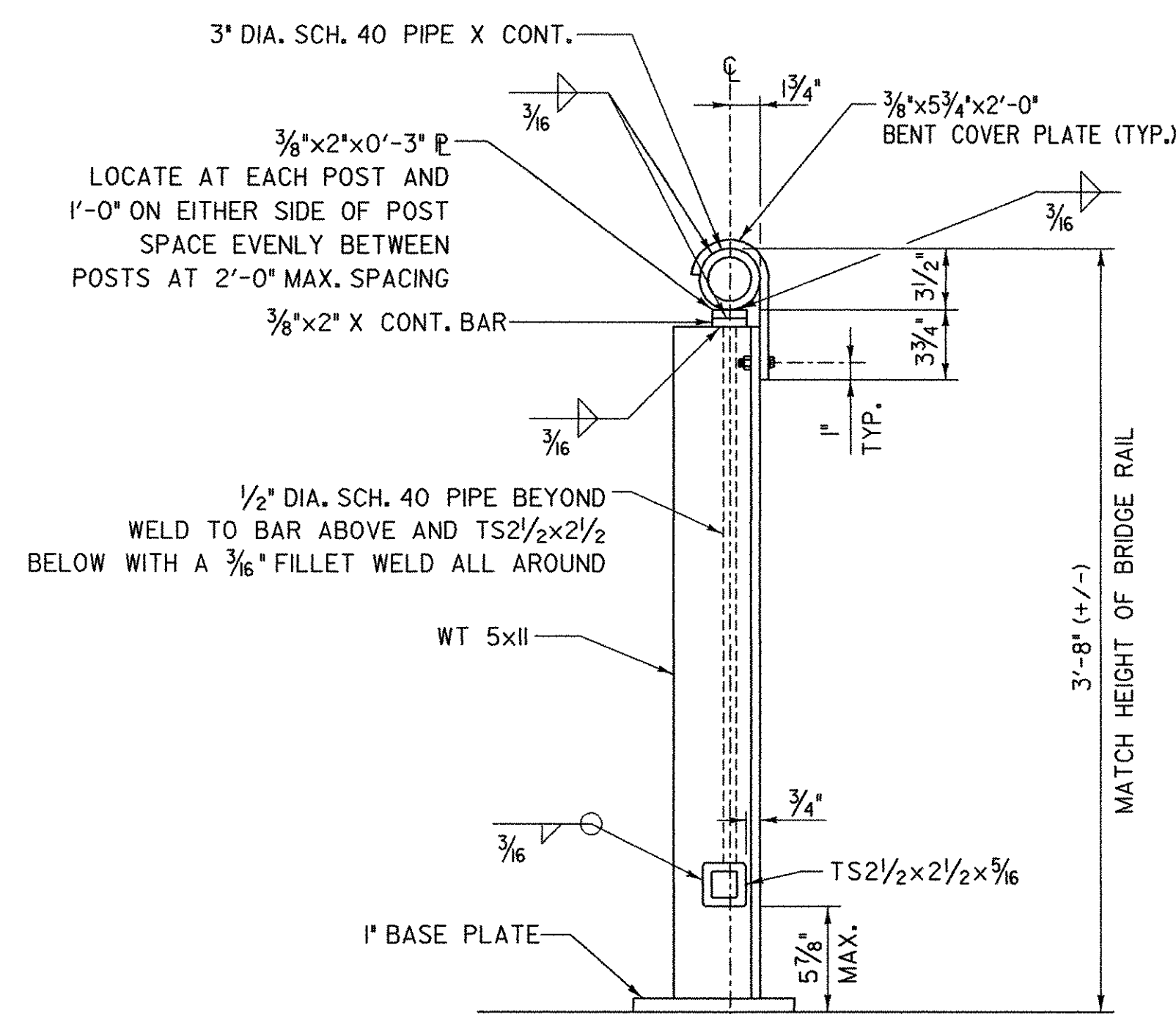
RAIL POST LAYOUT - SOUTHWEST WINGWALL

SCALE $\frac{3}{4}" = 1'-0"$



RAIL ELEVATION

SCALE $\frac{3}{4}" = 1'-0"$

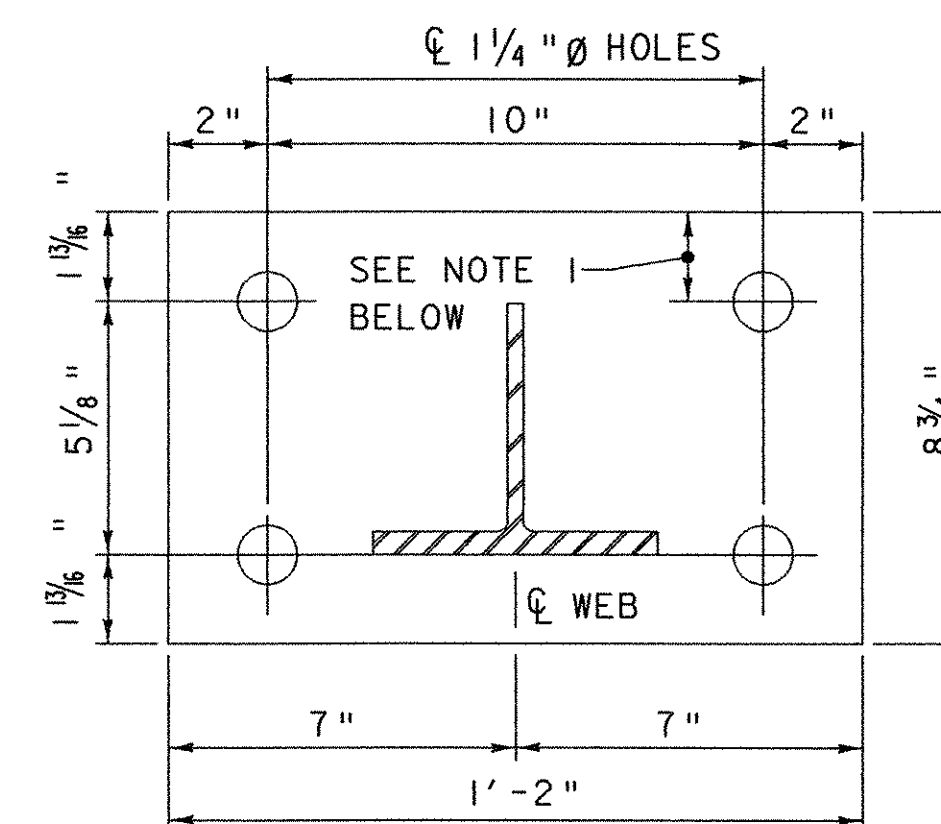


SECTION A-A

SCALE $1\frac{1}{2}" = 1'-0"$

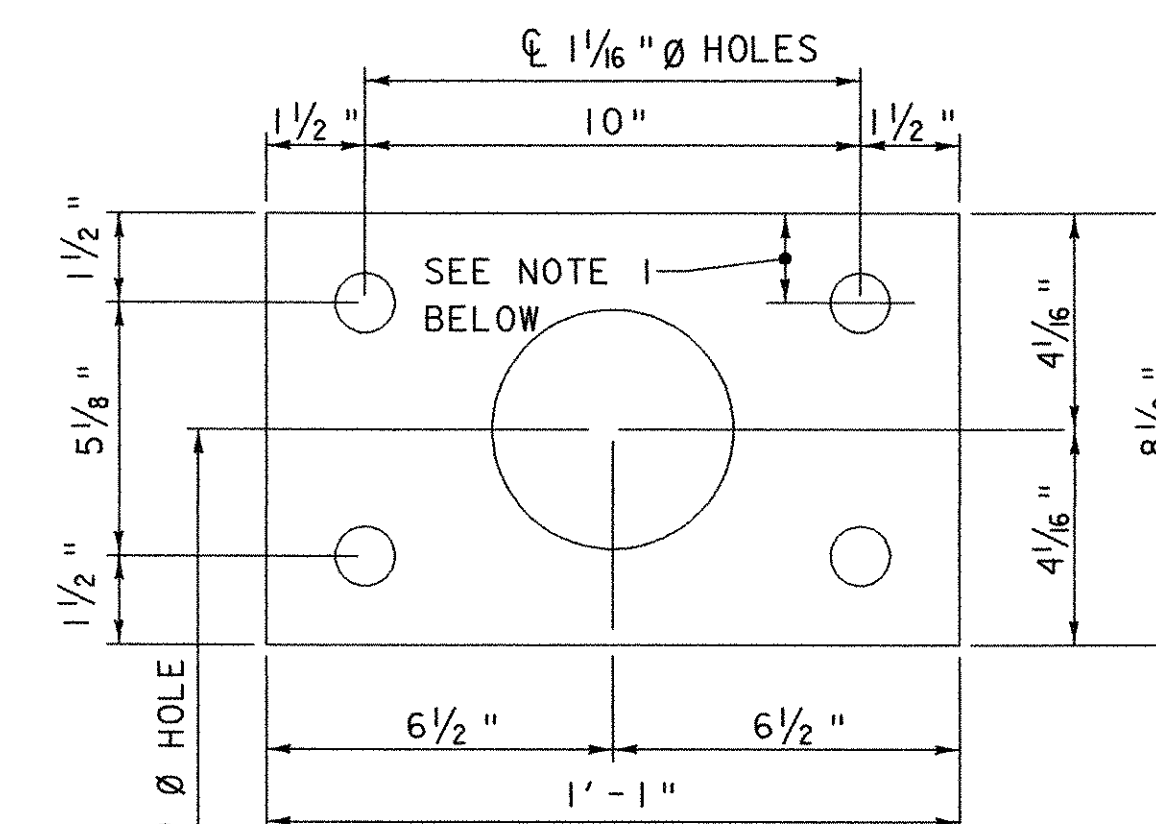
BASE WELD DETAIL

NOT TO SCALE



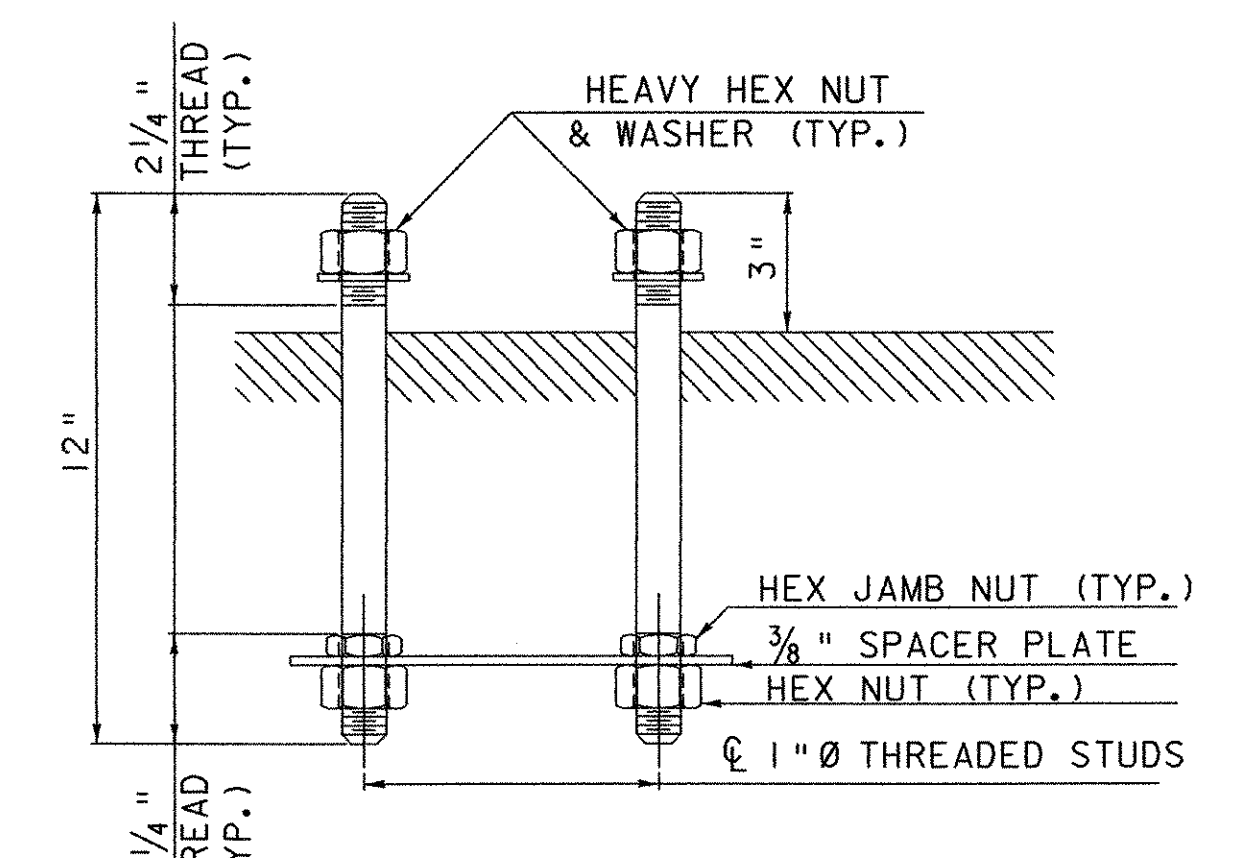
POST & BASE PLATE

NOT TO SCALE



SPACER PLATE

NOT TO SCALE



RAIL POST ANCHORAGE

NOT TO SCALE

HAND RAIL NOTES:

1. BASE P. CLOSEST TO BRIDGE SHALL HAVE UPPER RIGHT HOLE LOCATED $\frac{3}{8}"$ DOWN INSTEAD OF $1\frac{1}{8}"$. 2" DIMENSION FROM THE SIDE SHALL REMAIN THE SAME.
2. HAND RAIL TO RECEIVE SAME PAINT SYSTEM AS BRIDGE.
3. ALL STEEL FOR RAILING ASSEMBLY SHALL CONFORM TO AASHTO M 270M/M 270 GRADE 36 UNLESS OTHERWISE NOTED. STEEL PIPE SHALL CONFORM TO ASTM A53 GRADE B, SCHEDULE 40. STRUCTURAL TUBING SHALL MEET THE REQUIREMENTS OF NOTE 20 ON THE PROJECT NOTES.
4. ANCHOR STUDS SHALL MEET THE REQUIREMENTS OF ASTM A449.



PROJECT NAME: RICHFORD
PROJECT NUMBER: BHF 0302 (3) S

FILE NAME: ...Design\Rich-handrail.dgn PLOT DATE: 12/18/2007
PROJECT LEADER: MJC DRAWN BY: JTS
DESIGNED BY: SEB CHECKED BY: MJC
RAILING REPLACEMENT DETAILS SHEET 35 OF 41