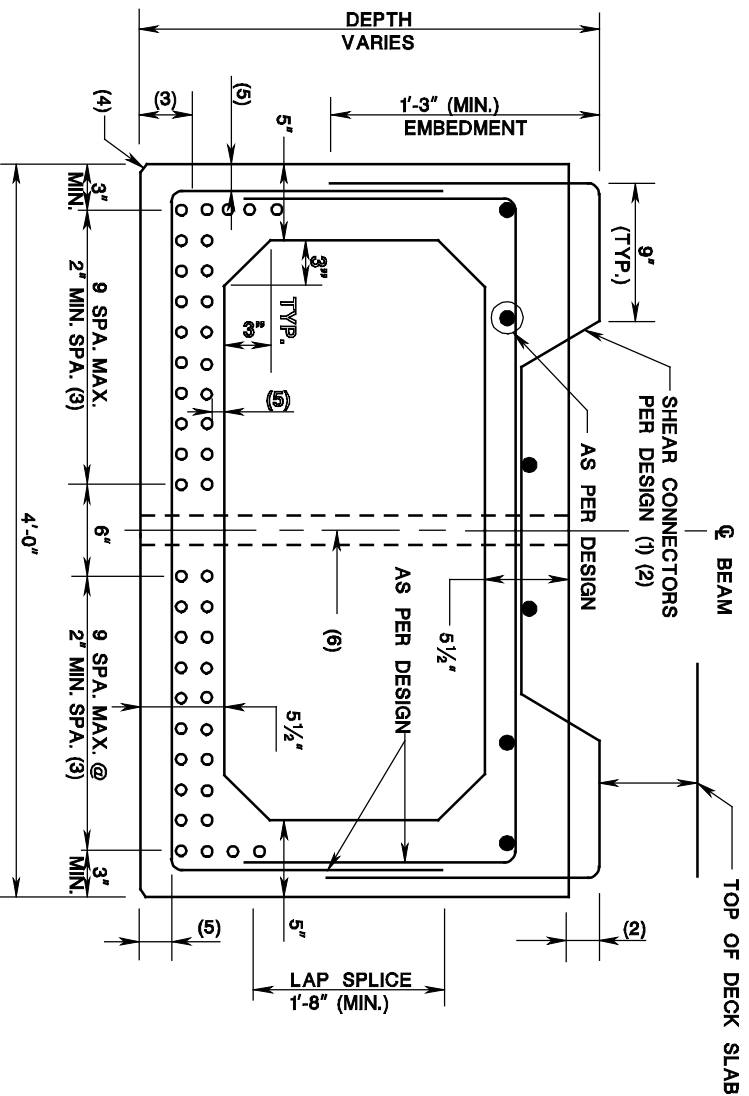


PLATE  
3.10-24



**SPREAD BOX BEAM SECTION (N.T.S.)**

**NOTES:**

1. SHEAR CONNECTORS SHALL BE CORROSION PROTECTED.
2. SHEAR CONNECTORS SHALL PENETRATE AT LEAST 2" ABOVE THE BOTTOM OF THE DECK SLAB, HOWEVER, THE TOP OF THE SHEAR CONNECTOR SHALL BE 3" MINIMUM BELOW THE TOP OF THE DECK SLAB.
3. NUMBER AND ARRANGEMENT OF PRESTRESSING STRANDS PER DESIGN REQUIREMENTS. THE CENTER OF GRAVITY OF PRESTRESSING STRANDS SHALL BE NOTED ON THE PLANS.
4. BOTTOM CORNERS OF ALL BEAMS SHALL HAVE  $\frac{3}{4}$ " CHAMFERS. EXTERIOR BEAMS SHALL HAVE  $\frac{3}{4}$ " RADIUS DRIP NOTCH (REFERENCE GUIDE SHEET PLATE 3.10-7).
5. MINIMUM CONCRETE COVER:

TOP SLAB AND SIDES	- 2" MINIMUM
BOTTOM SLAB	- $1\frac{1}{2}$ " MINIMUM
INSIDE VOID	- 1" MINIMUM
END	- $1\frac{1}{2}$ " MINIMUM
6. CENTER LINE 2" DIAMETER DOWEL HOLE LOCATED IN BEAM END AND 1" DIAMETER NONMETALLIC VOID DRAINING DEVICE LOCATED AT THE END OF EACH VOID (TYPICAL). ON BRIDGES WITH SLOPING BEARING SEATS THE VOID DRAINING DEVICE SHALL BE LOCATED IN THE LOW POINT OF EACH VOID, IF POSSIBLE. LOCATE DOWEL HOLES AND VOID DRAIN HOLES TO CLEAR STRANDS AND MILD REINFORCING STEEL. NOTE AND TYPICAL LOCATION TO BE SHOWN ON CONTRACT PLANS. VERIFY ON SHOP PLANS ACCORDINGLY.
7. REFERENCE GUIDE SHEET PLATE 3.10-25 TYPICAL END BLOCK REINFORCEMENT.
8. AT A MINIMUM 6 #16 BARS SHALL BE PROVIDED TO WITHSTAND THE REQUIRED STRAND TENSIONING. THE DESIGNER SHALL VERIFY IF THIS STEEL DISTRIBUTION IS SUFFICIENT TO OVERCOME POTENTIAL CONCRETE CRACKING AT THIS LOCATION.