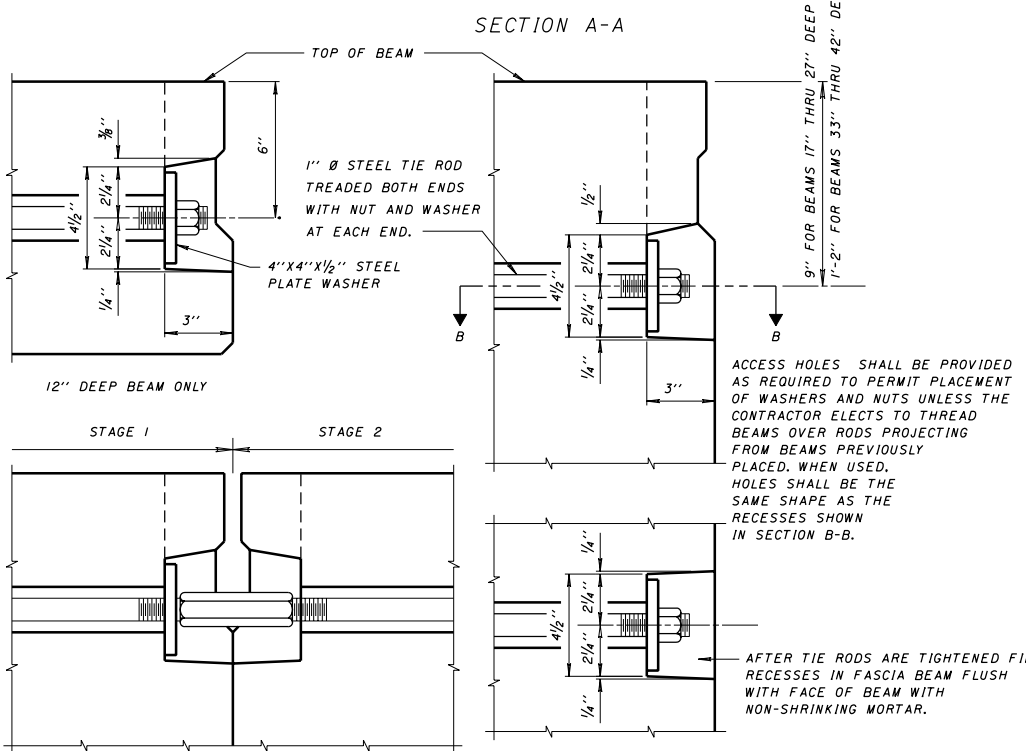


- θ 0° TO 5° FOR 3' WIDE BEAMS
- θ 0° TO 4° FOR 4' WIDE BEAMS
- θ OVER 5° TO 18° FOR 3' WIDE BEAMS
- θ OVER 4° TO 14° FOR 4' WIDE BEAMS
- θ OVER 18° TO 30° FOR 3' WIDE BEAMS
- θ OVER 14° TO 26° FOR 4' WIDE BEAMS

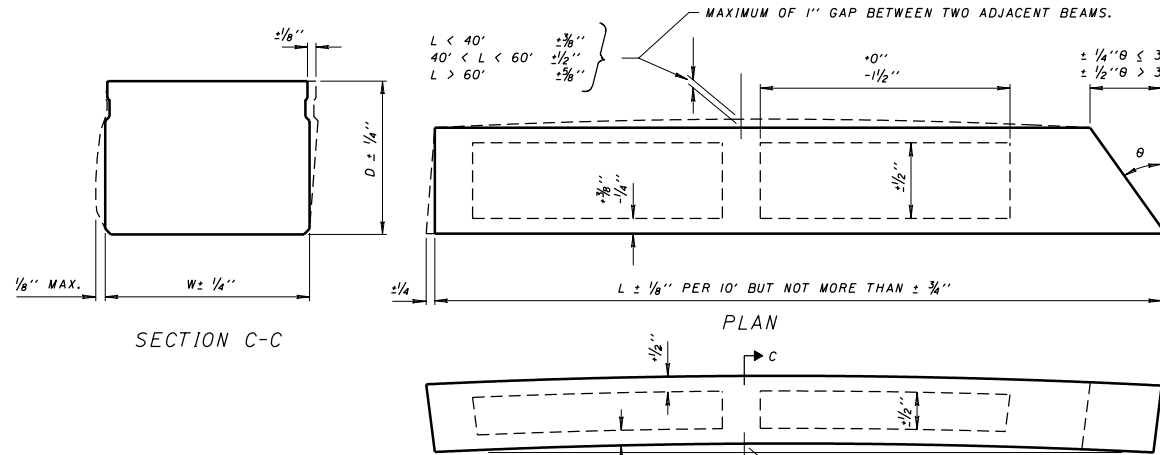
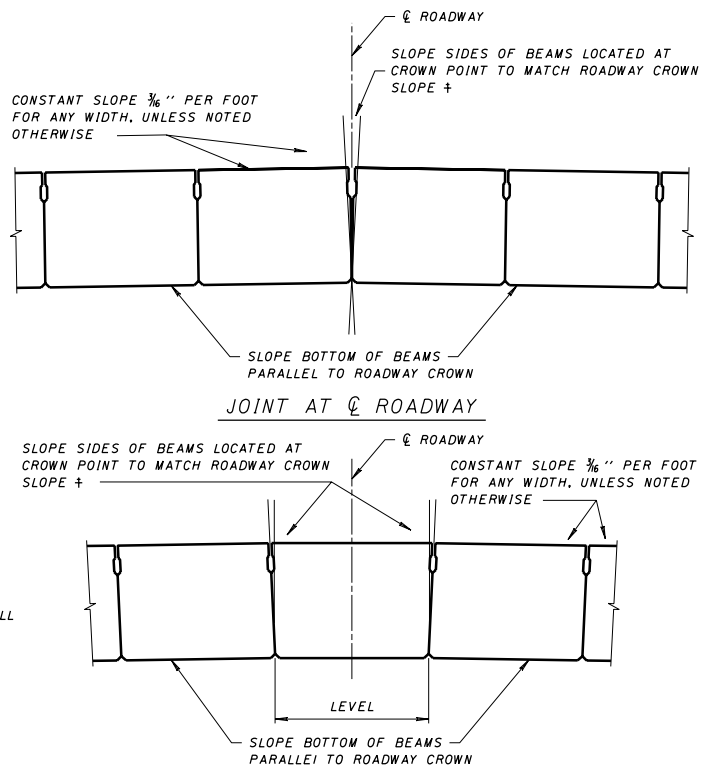
* AS AN OPTION THE FABRICATOR MAY MAKE PROVISION FOR GREATER INTERCHANGEABILITY OF INTERIOR BEAMS BY FURNISHING DOUBLE TIE ROD HOLES IN THE DIAPHRAGMS AND PERMITTING ONE TIE ROD TO TIE TWO BEAMS TOGETHER.

TYPICAL PLANS OF DIAPHRAGMS AND TRANSVERSE TIE RODS



FOR STAGE CONSTRUCTION SECTION B-B (ALL BEAMS)

END DETAILS OF TRANSVERSE TIE ROD ANCHORAGE



ADDITIONAL TOLERANCES
 POSITION OF HOLES FOR ANCHOR DOWELS AND TIE RODS ± 1/2"
 POSITION OF RAILING ANCHORS ± 1/2"
 POSITIONS OF LIFTING INSERTS ± 6"
 CENTER OF GRAVITY OF STRAND GROUP ± 1/4"
 CENTER OF GRAVITY OF DRAPED STRAND GROUP AT END OF BEAM ± 1/2"
 SPACING OF STIRRUP BARS ± 1"
 LONGITUDINAL SCUPPER LOCATION ± 6"
 HOLES IN BEAMS FOR TRANSVERSE TIE RODS SHALL BE NOT LESS THAN 2" Ø AND NOT MORE THAN 3" Ø.
 DIMENSIONS OF RECESSES IN FASCIA BEAMS AND SHEAR KEYS AND VERTICAL LOCATION OF TRANSVERSE TIE RODS MAY VARY FROM THE DIMENSIONS SHOWN HEREON, SUBJECT TO APPROVAL BY THE DIRECTOR.

DESIGN AGENCY	OFFICE OF STRUCTURAL ENGINEERING
STATE OF OHIO DEPARTMENT OF TRANSPORTATION	DATE 03-04-94
DESIGNED BY	ENGINEER OF BRIDGES
CHECKED BY	PSBD-1-93
DESIGNED BY	REF
REVISIONS	07-19-02 07-21-06
STANDARD	PRESTRESSED CONCRETE BOX BEAM BRIDGE DETAILS
2	4