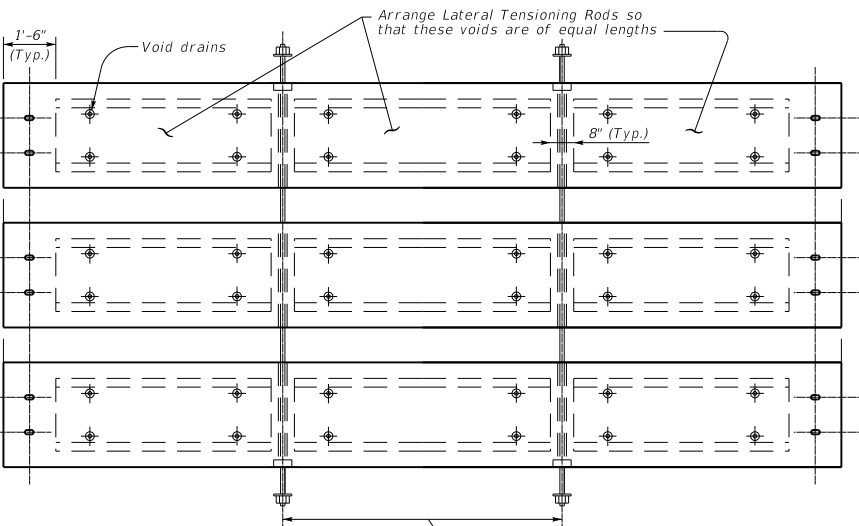


SECTIONAL PLAN SHOWING LATERAL TENSIONING METHOD FOR SKEWED SPANS

Omit these voids when skew is 15° or less (typ.). When void is 2'-0" long or less void may be omitted on any skew.

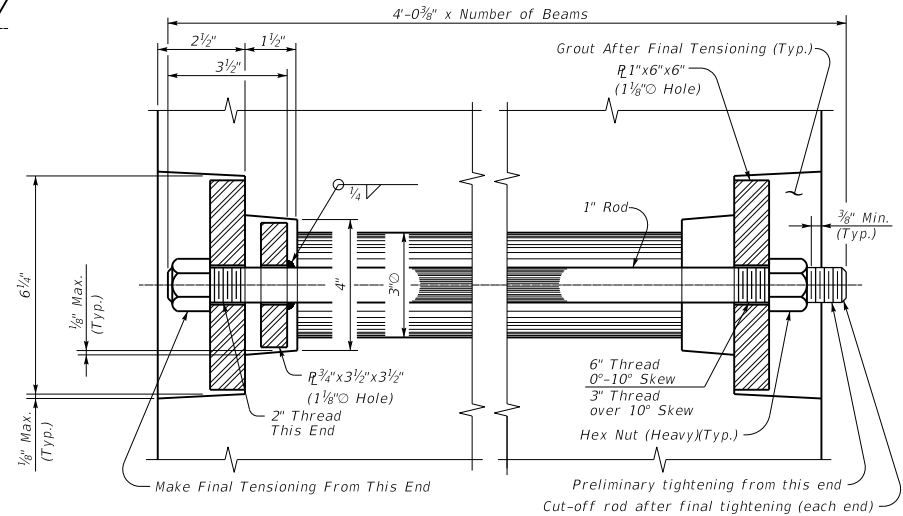


SECTIONAL PLAN SHOWING LATERAL TENSIONING METHOD FOR STRAIGHT SPANS

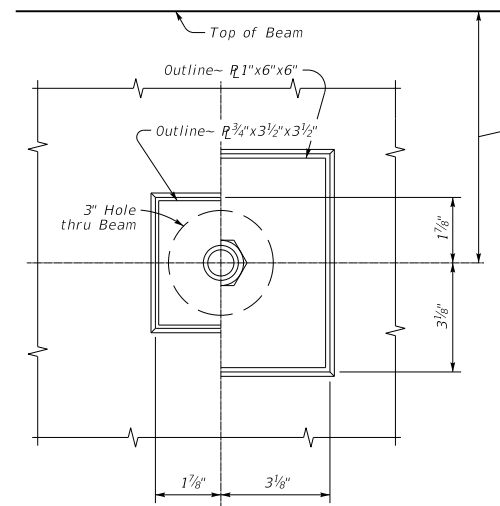
(The above arrangement is applicable from 0° skews to and including 10° skews)

GENERAL NOTES

LATERAL TENSIONING RODS: After the deck units are in place, apply a preliminary tension to the lateral tensioning rods. Perform final tensioning that yields 20,000 psi as developed by a torque of 200 ft.-lbs. Provide lateral tensioning rods and plates conforming to ASTM A36 with heavy hex nuts conforming to ASTM A307. All tension rods, plates, and nuts to be galvanized in accordance with ASTM A123 or A153 as applicable.



SECTION THRU LATERAL TENSIONING ROD



SECTIONAL END PLAN
(Lateral Tension Rod Details)

- 5" ~ B12 & CB12
- 8 1/2" ~ B17 & CB17
- 10 1/2" ~ B21 & CB21
- 12" ~ B27 & CB27
- 12" ~ B33 & CB33
- 12" ~ B42 & CB42

KENTUCKY
DEPARTMENT OF HIGHWAYS
BOX BEAM
TENSION ROD
DETAILS

STANDARD DRAWING NO. BDP-004-04
SUBMITTED BY *Bert Adams* DATE 02-26-20
DIRECTOR DIVISION OF STRUCTURAL DESIGN
APPROVED BY *[Signature]* DATE 02-26-20
STATE ENGINEER