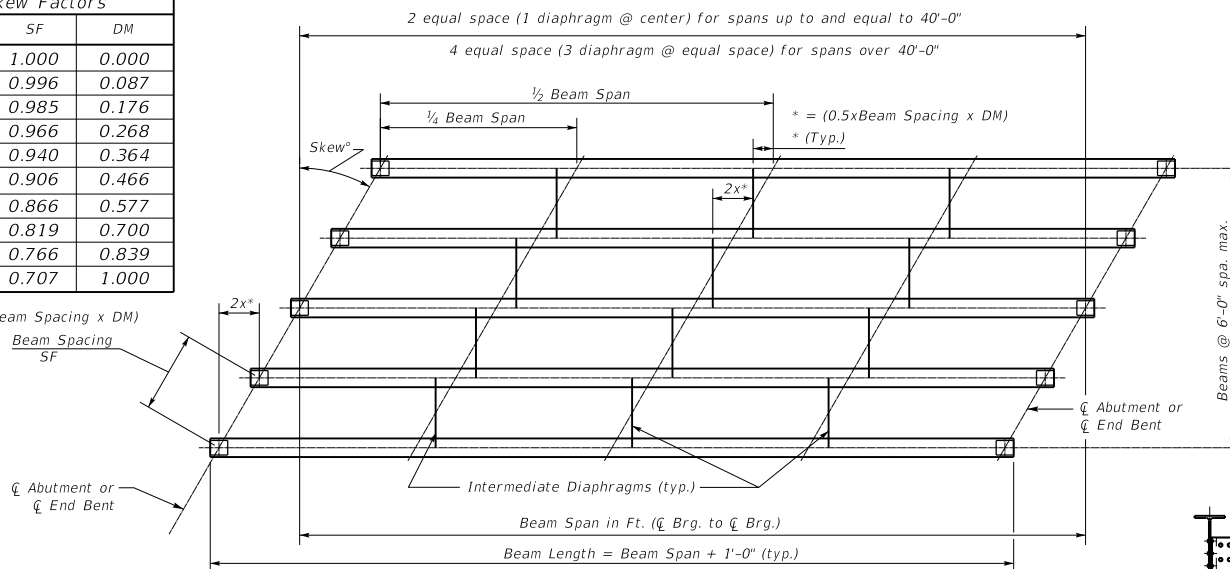


$$* = \frac{(0.5 \times \text{Beam Spacing} \times \text{DM})}{\text{SF}}$$
$$* = \frac{(0.5 \times \text{Beam Spacing} \times \text{DM})}{\text{SF}}$$


NOTE: Place girders with any mill or shop camber bowed up in the middle. Heat cambering is not required.

Skew°

6 MIL plastic sheeting concrete bond break

End of Beam

BF Support Wall

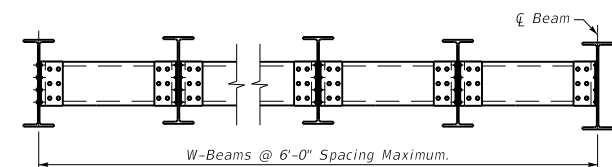
FF Support Wall

10"x12"x1/2" Lead Plate

Use 1/2" thick Styrofoam to prevent concrete from running under steel beam.

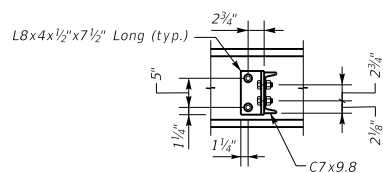
6"

END OF BEAM DETAIL
@ SUPPORTS

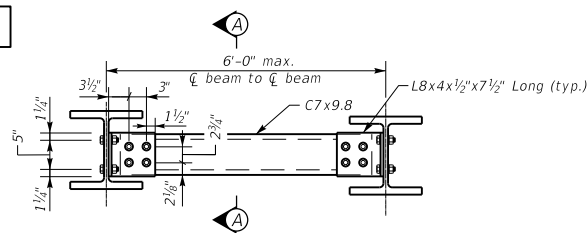


FRAMING TYPICAL

NOTE: Use $\frac{3}{4}$ " $\odot$ Bolts with
 $\frac{13}{16}$ " $\odot$ Holes Throughout.

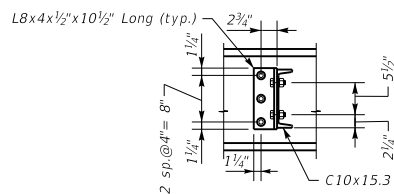


SECTION A-A

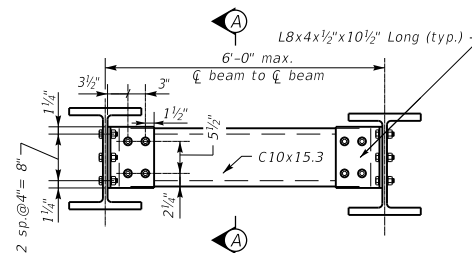


INTERMEDIATE DIAPHRAGM
(for up to 14" beam depth)

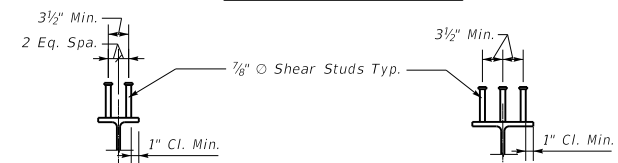
NOTE: Use $\frac{3}{4}$ " $\odot$ Bolts with
 $\frac{13}{16}$ " $\odot$ Holes Throughout.



SECTION A-A

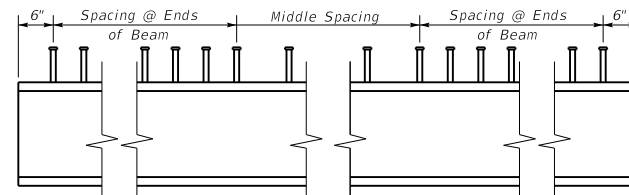


INTERMEDIATE DIAPHRAGM
(for up to 20" beam depth)



BEAM SECTION - 2 SHEAR
STUDS PER ROW

BEAM SECTION - 3 SHEAR
STUDS PER ROW



SHEAR CONNECTOR LAYOUT

(See Beam Tables for Spacings required and number of shear connectors per row)

KENTUCKY DEPARTMENT OF HIGHWAYS
COMPOSITE STEEL BEAM SUPERSTRUCTURES FRAMING PLAN/DIAPHRAGMS

STANDARD DRAWING NO. *BSB-104*

SUBMITTED Bart Ashen 02-26-20
DIRECTOR DIVISION OF STRUCTURAL DESIGN DATE

APPROVED [Signature] 02-26-20
STATE REGISTERED ENGINEER DATE