

Beam to Col. w/ Cap Plate

- AP0011 - Beam to 'I' Col. w/ Cantilever
- AP0021 - Beam to Rotated 'I' Col. w/ Cantilever
- AP0031 - Beam to Pipe or Tube w/ Cantilever
- AP0041 - Beam to 'I' Col.
- AP0051 - Beam to Rotated 'I' Col.
- AP0061 - Beam to Pipe or Tube
- AP0071 - Beams to Int. Mezz. 'I' Col.
- AP0081 - Beams to Rotated Int Mezz.. 'I' Col.
- AP0091 - Beams to Int. Pipe or Tube Mezz. Col.

Beams to Columns w/ Clips

- AP0101 - Beams to Full Hgt. Int. Col.
- AP0111 - Beam to Str. Full Hgt. Col.
- AP0116 - Beam to Tapered Col.
- AP0121 - Beams to Web of Full Hgt. Col.
- AP0131 - Beam to Web of Full Hgt. Col.
- AP0141 - Beams to Beam at same Elev.
- AP0151 - Beam to Beam at same Elev.
- AP0161 - Beams to Beam at Different Elev.
- AP0171 - Beam to Beam at Different Elev.

Joist to Beam Details

- AP0221 - Welded Joist to Edge Beam
- AP1221 - Bolted Joist to Edge Beam
- AP0226 - Welded Joist to End Support B.O.
- AP0261 - Welded Joist to Str. Col. Flange
- AP1261 - Bolted Joist to Str. Col. Flange.
- AP2261 - Bolted Joist to Tapered Col. Flg.
- AP0301 - Weld Joist to Col Web
- AP1301 - Bolted Joist to Col. Web
- AP0311 - Welded Joist to Int. Beam
- AP0316 - Welded Joist to Int. Support B.O.
- AP1311 - Bolted Joist to Int. Beam

Special Edge Angle Details

- AP0326 - Edge Angle at Full Hgt. Col.
- AP0351 - Cantilevered Deck w/ Joist
- AB1351 - Cantilevered Deck w/ Beam

Joist Header Details

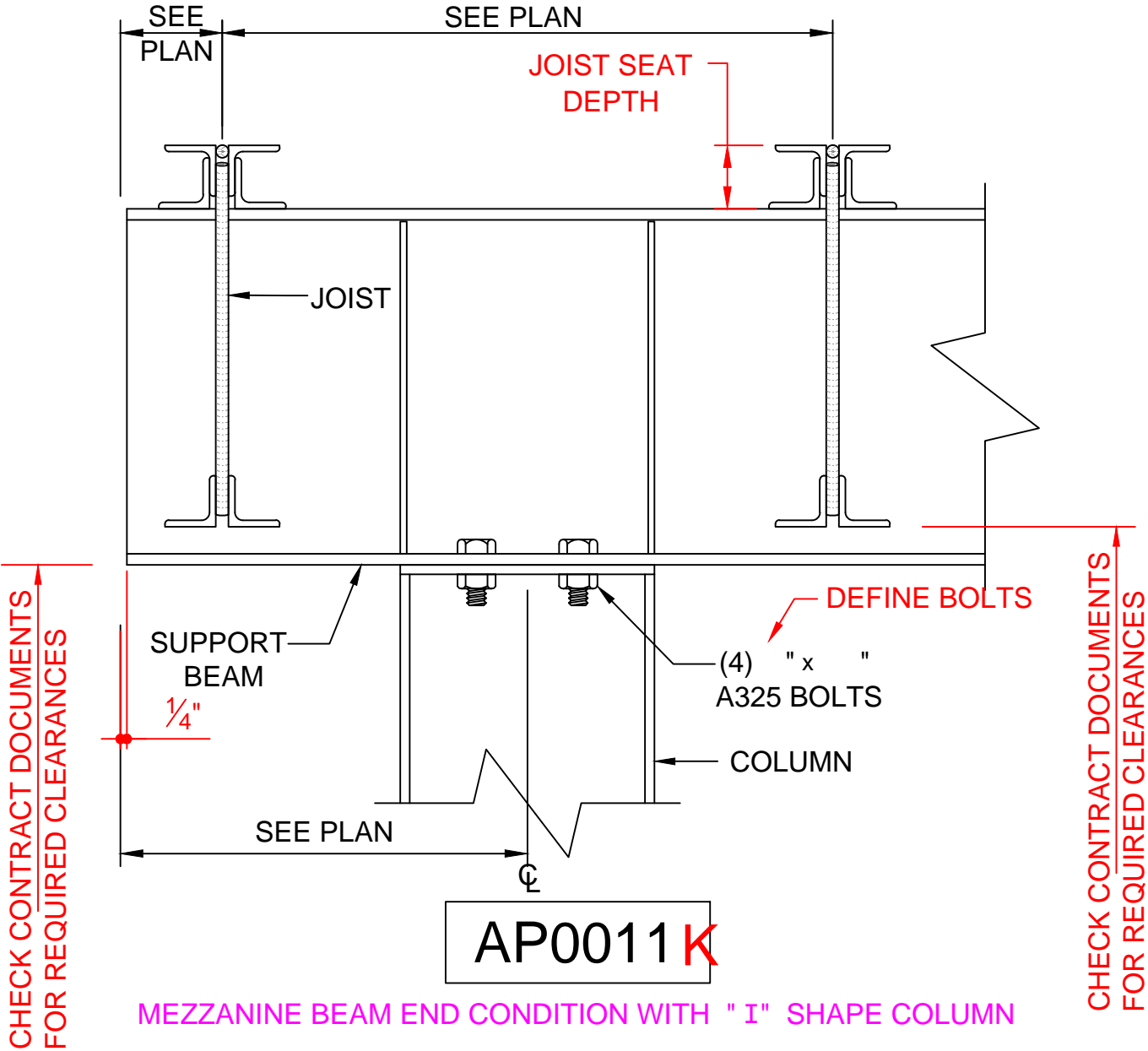
AP0396 - Beam Joist Header Detail

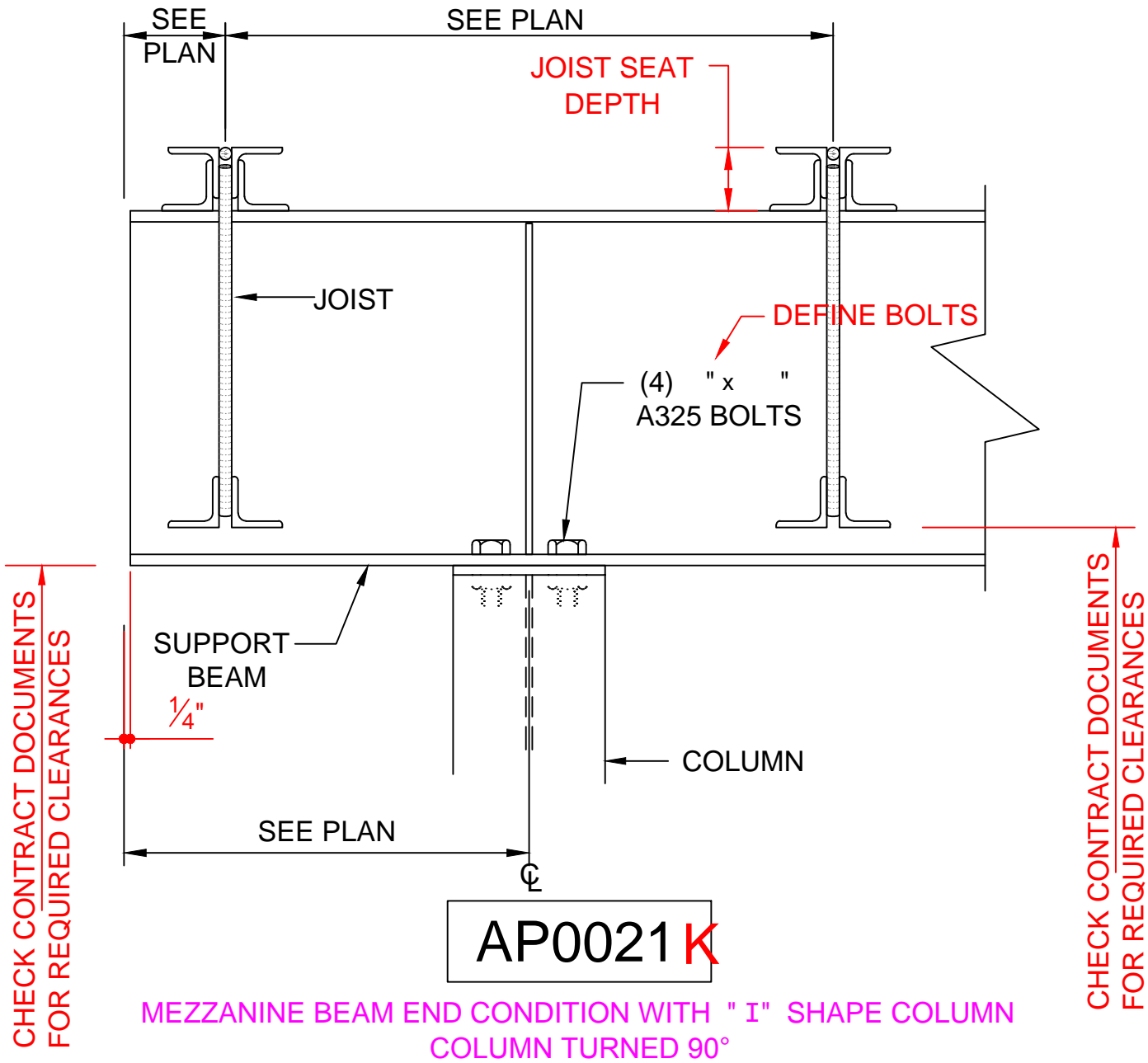
AP1396 - Joist Joist Header Detail

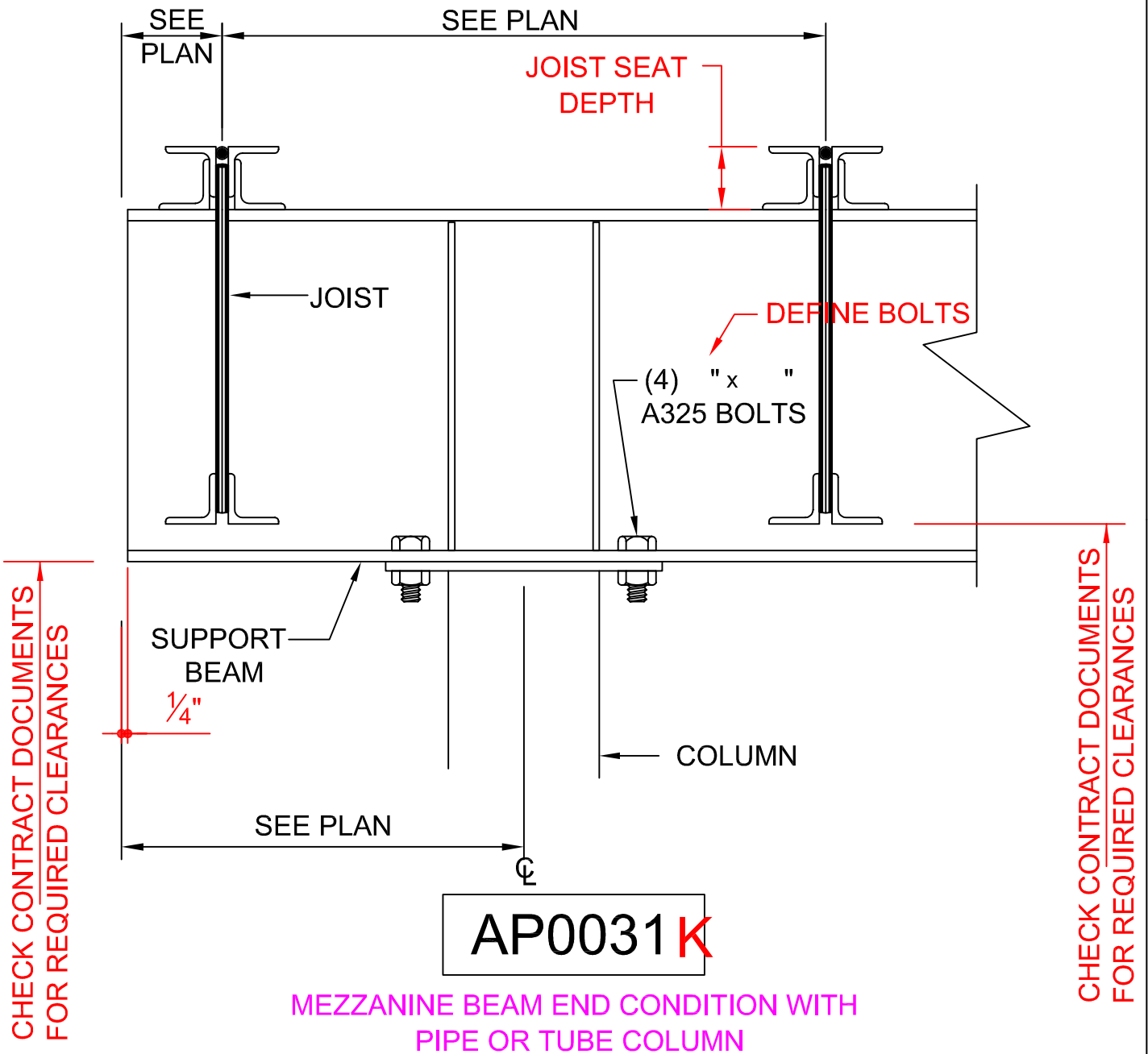
Floor Deck Details

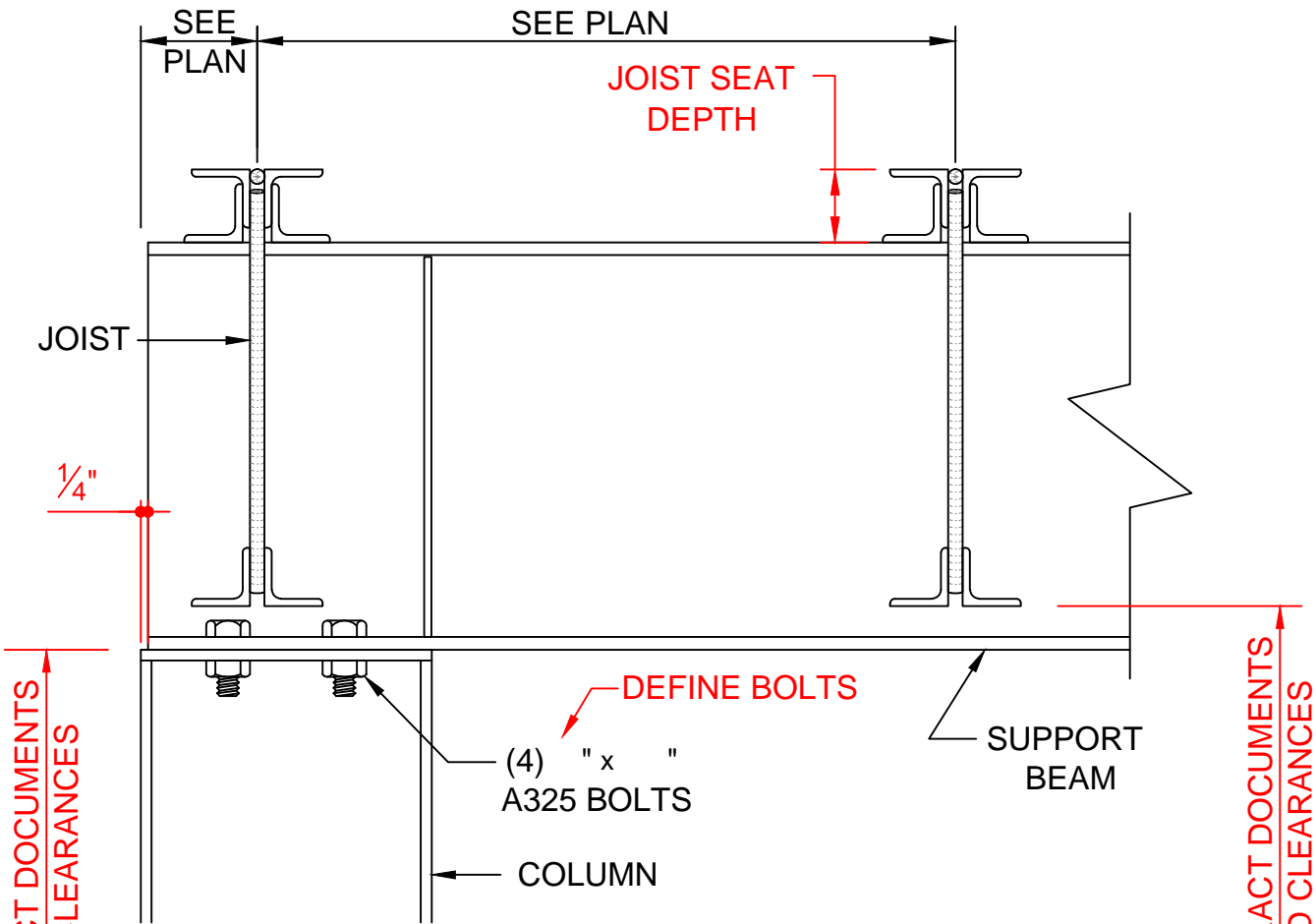
AP0501 - Floor Deck Attachment w/ Fasteners

AP0502 - Floor Deck w/ Weld Washers



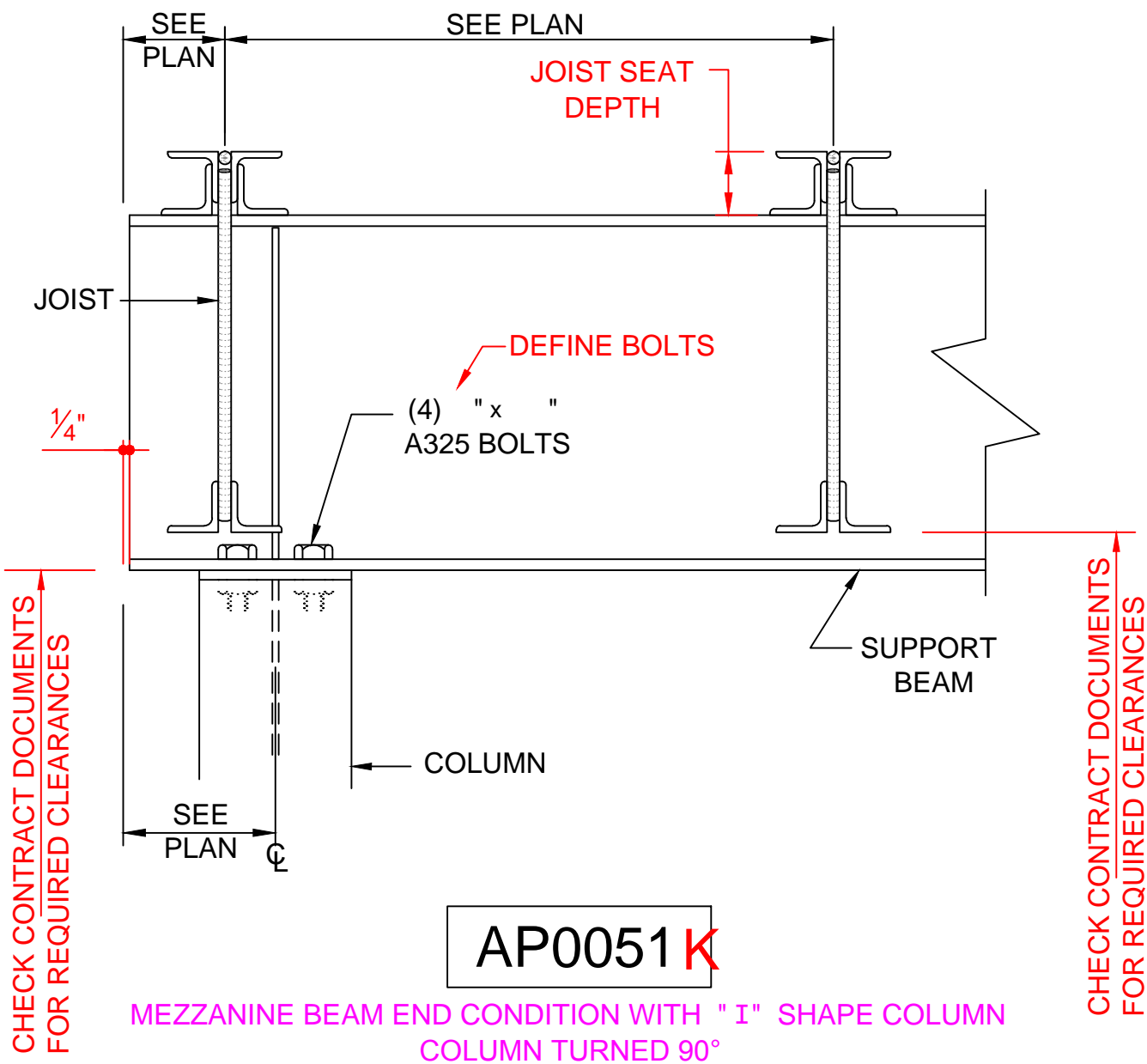






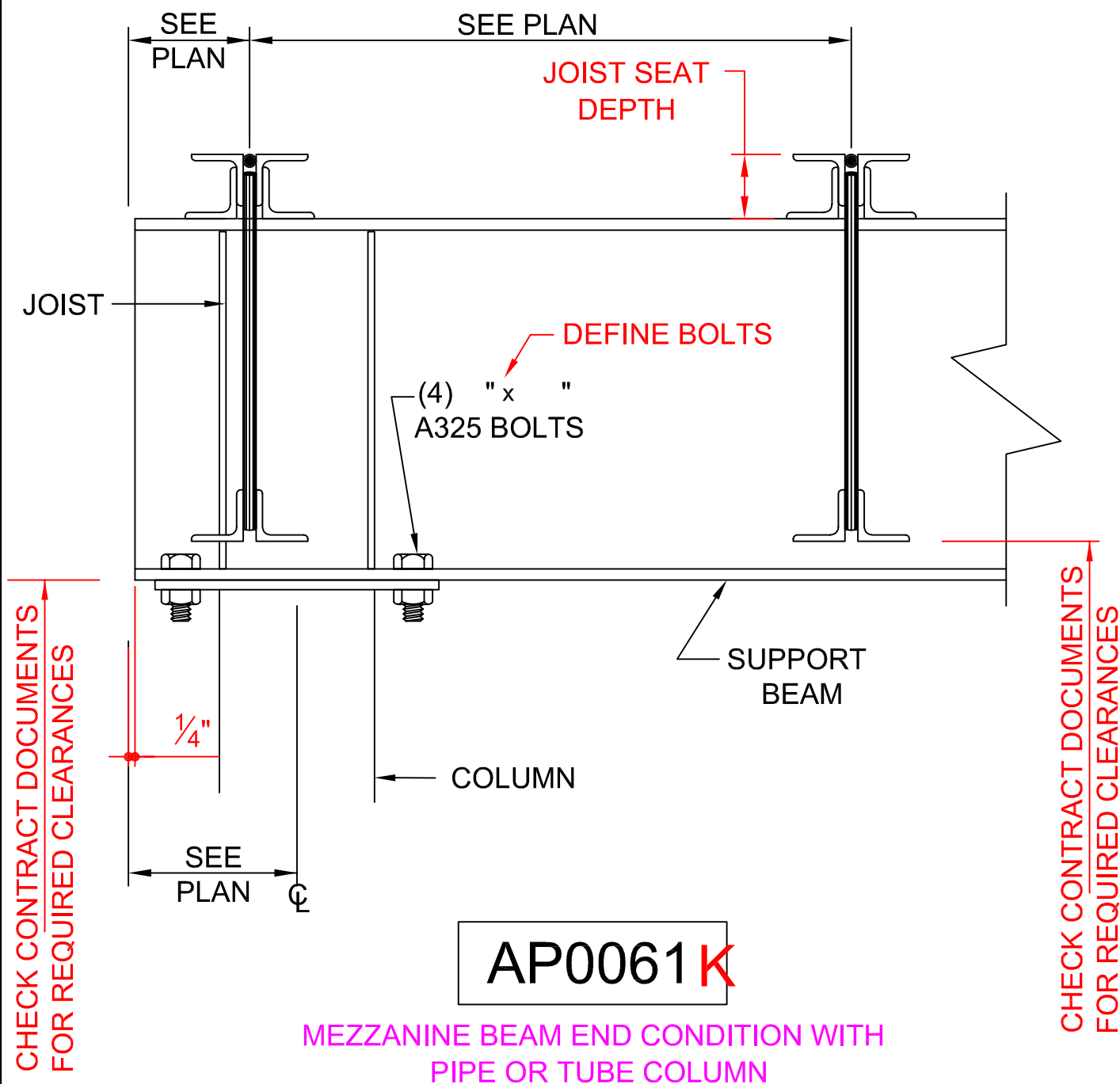
AP0041 K

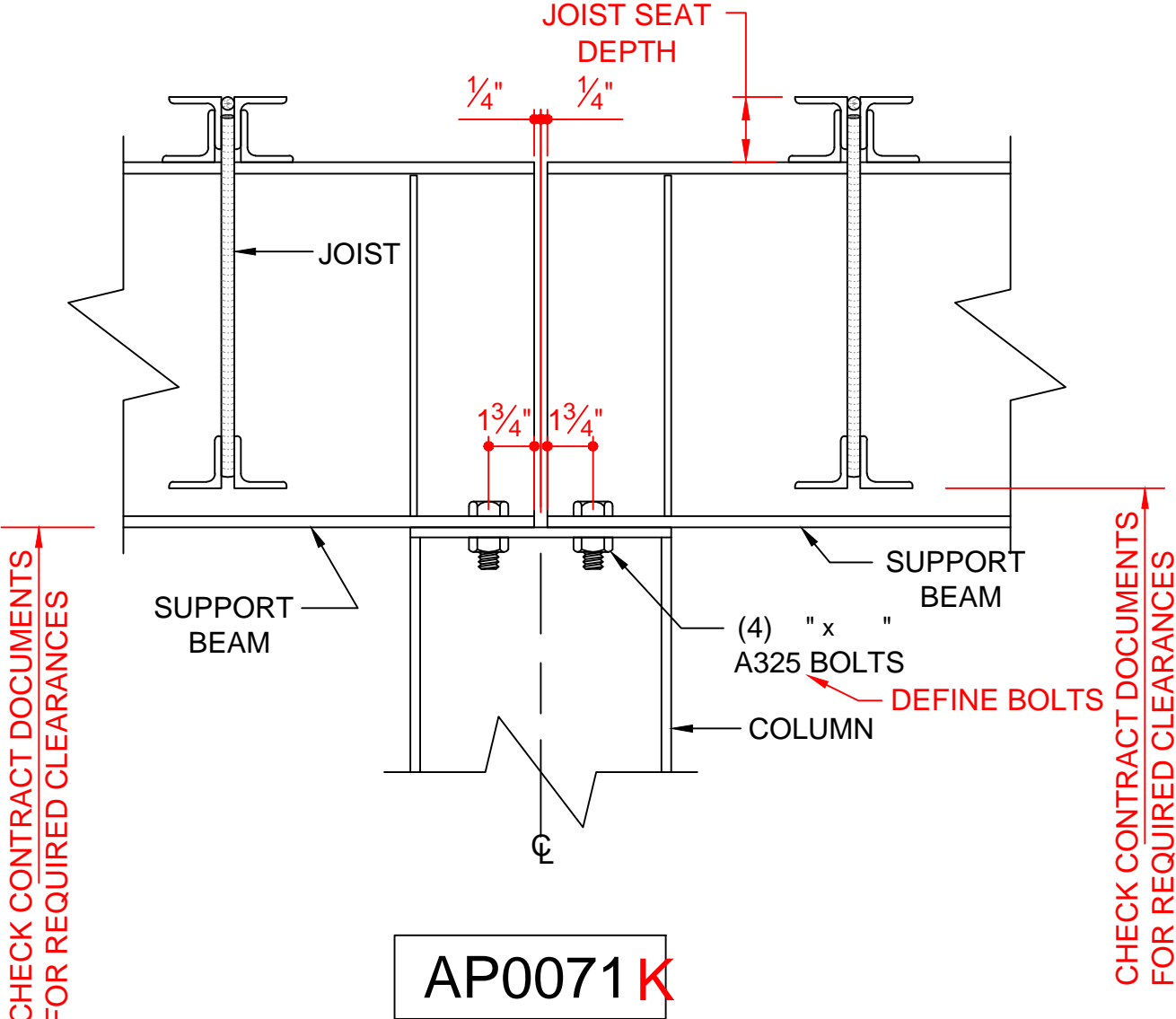
MEZZANINE BEAM END CONDITION WITH " I" SHAPE COLUMN



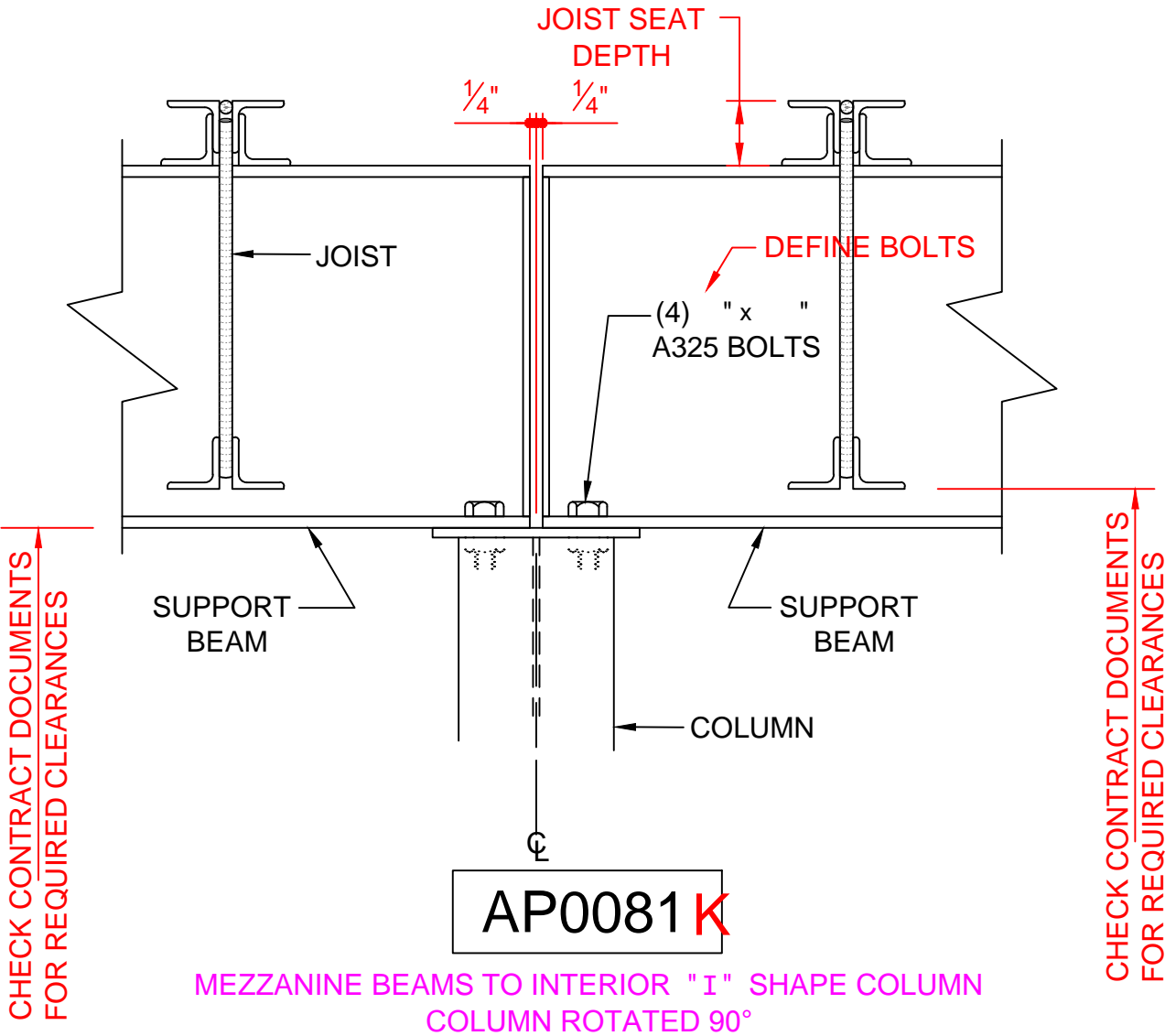
AP0051 K

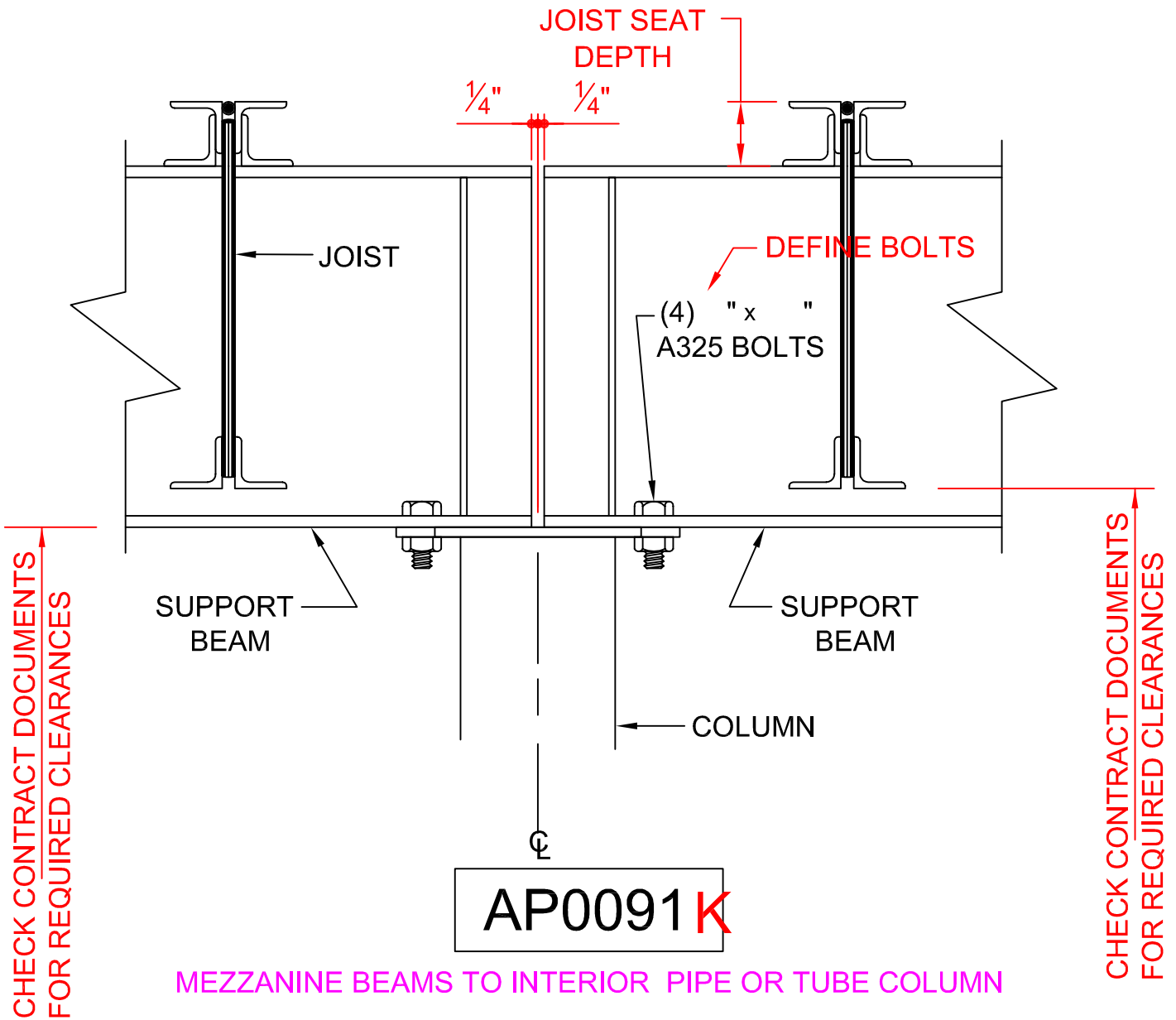
MEZZANINE BEAM END CONDITION WITH " I " SHAPE COLUMN
COLUMN TURNED 90°



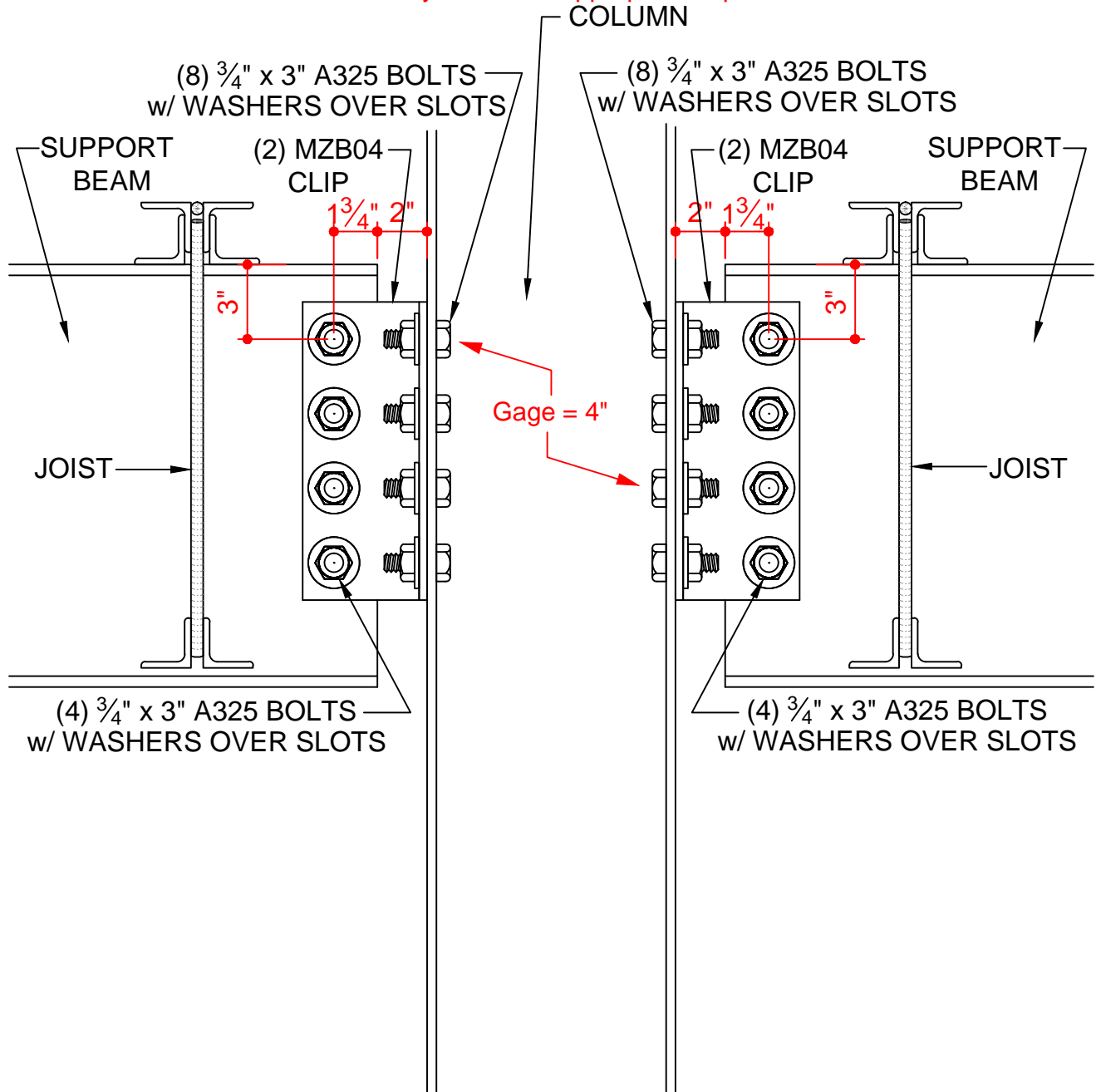


MEZZANINE BEAMS TO INTERIOR "I" SHAPE COLUMN





Detail inserts with all the standard mezz. clips.
Each clip is on it's own layer (MZB02 - MZB08)
After inserting detail turn off all the layers but
the layer with the appropriate clip.



AP0101

CHECK CONTRACT DOCUMENTS
FOR REQUIRED CLEARANCES

MEZZANINE BEAM TO STRAIGHT COLUMN FLANGE



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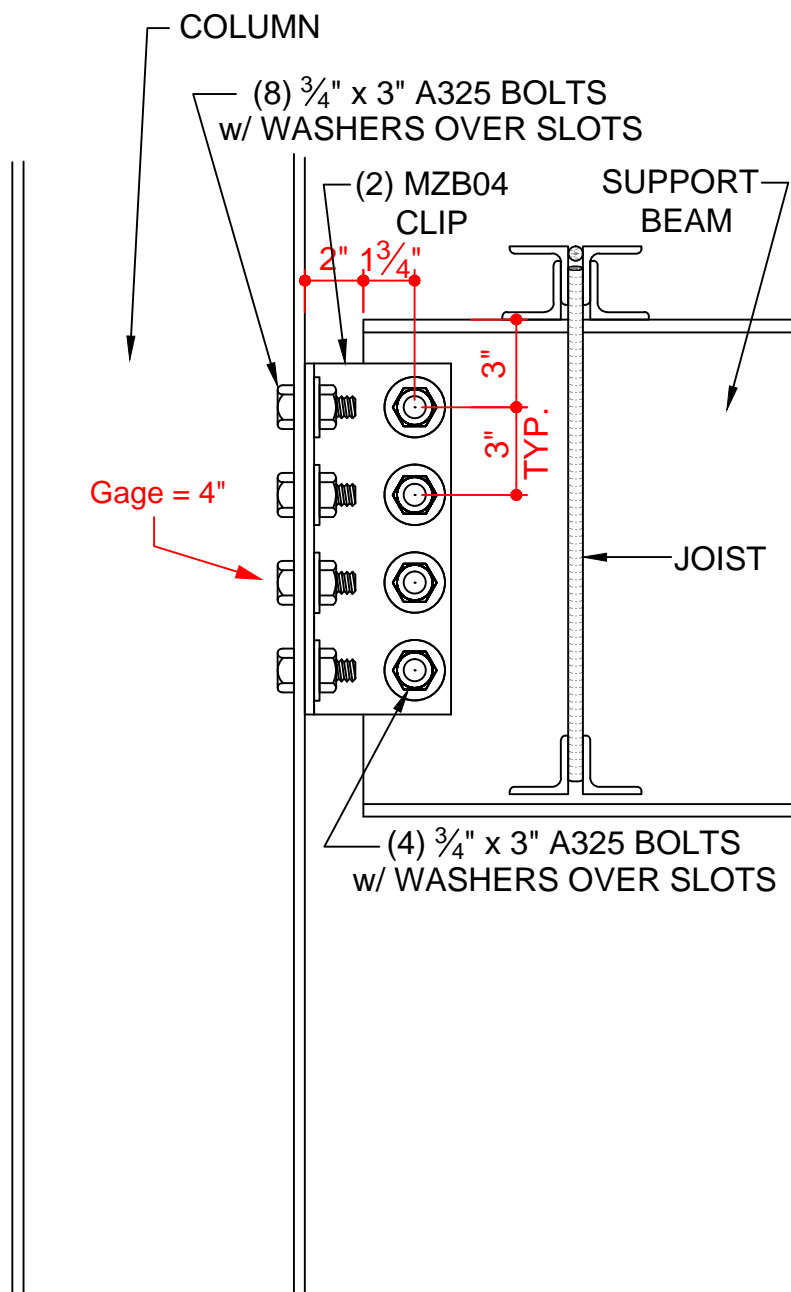
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PREPARED BY: BKC

DATE: 8-18-17

AP0101

Detail inserts with all the standard mezz. clips.
 Each clip is on it's own layer (MZB02 - MZB08)
 After inserting detail turn off all the layers but
 the layer with the appropriate clip.

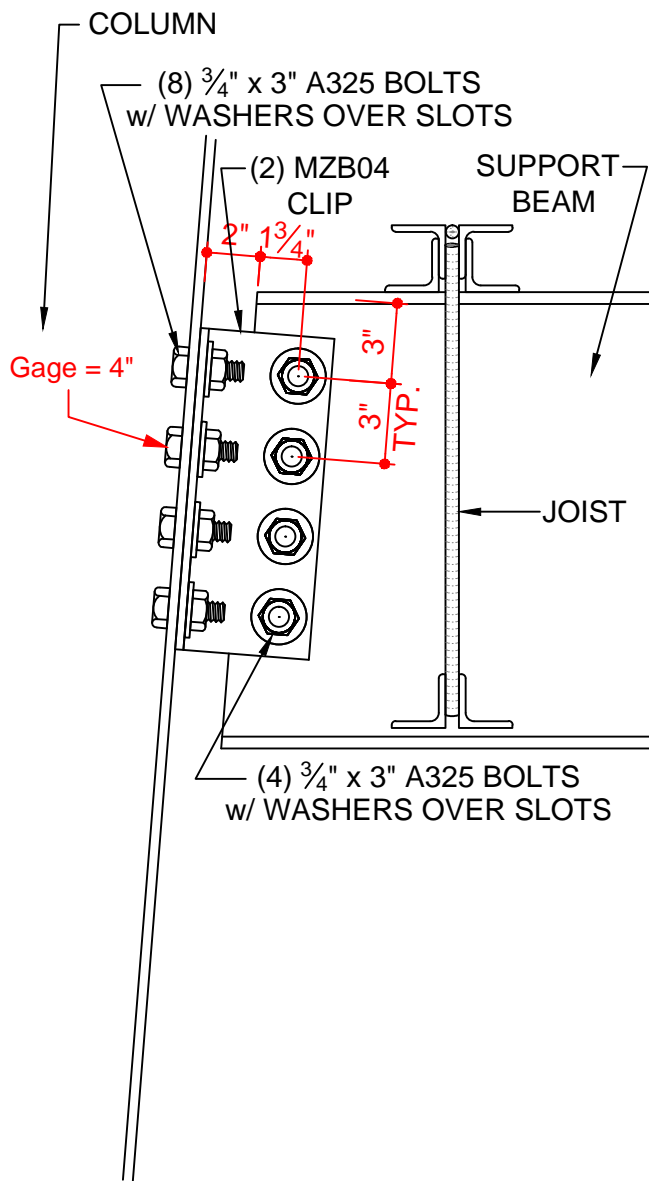


AP0111

CHECK CONTRACT DOCUMENTS
 FOR REQUIRED CLEARANCES

MEZZANINE BEAM TO STRAIGHT COLUMN FLANGE

Detail inserts with all the standard mezz. clips.
Each clip is on it's own layer (MZB02 - MZB08)
After inserting detail turn off all the layers but
the layer with the appropriate clip.

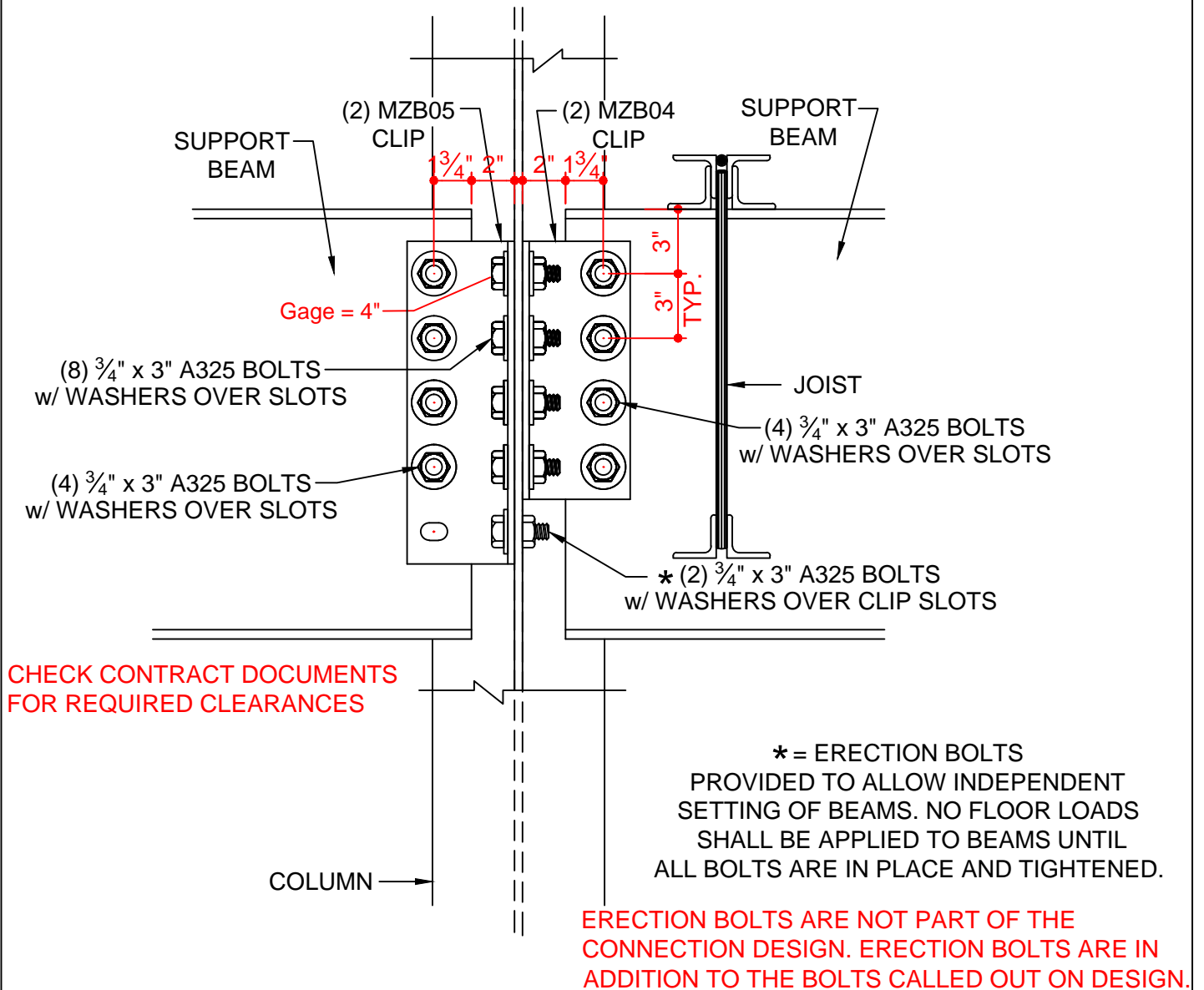


AP0116

CHECK CONTRACT DOCUMENTS
FOR REQUIRED CLEARANCES

MEZZANINE BEAM TO STRAIGHT COLUMN FLANGE

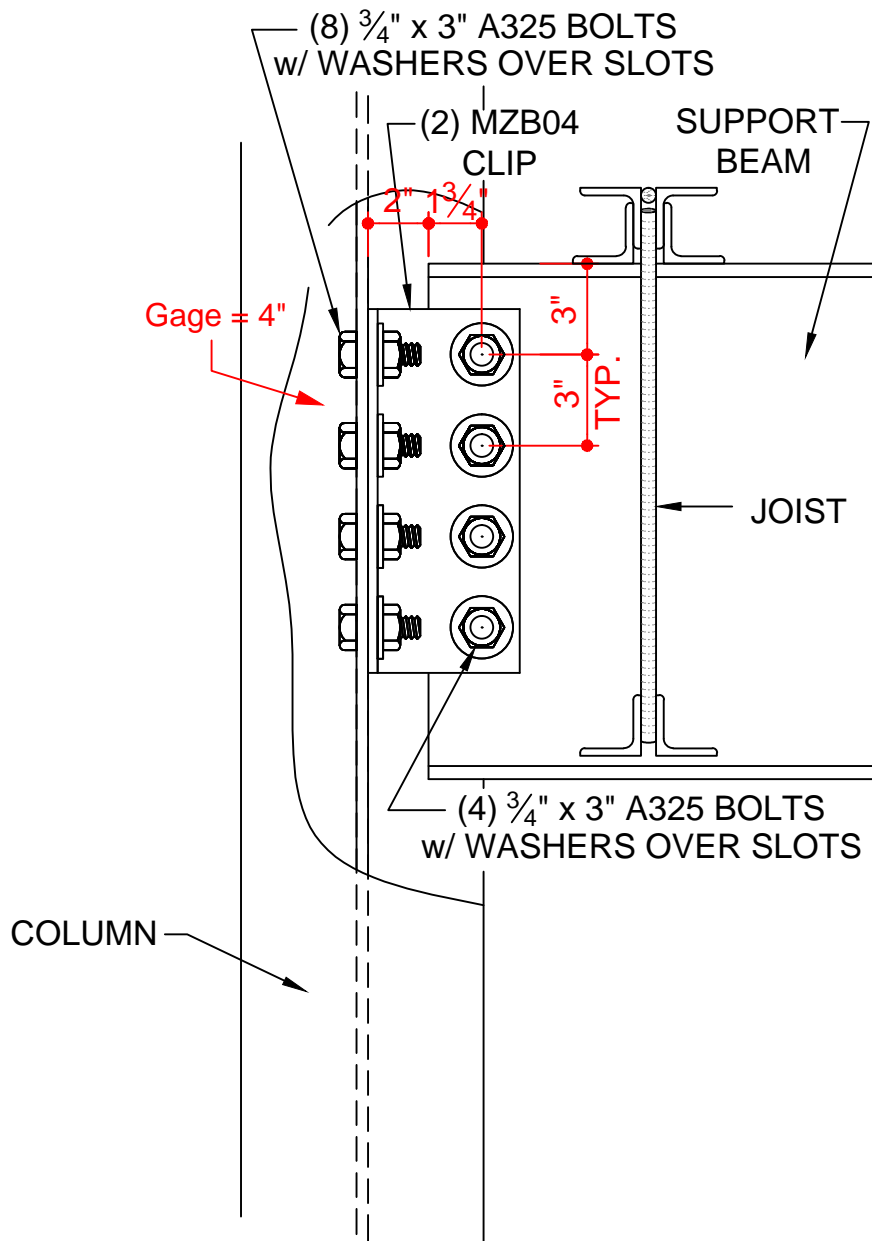
Detail inserts with all the standard mezz. clips.
Each clip is on it's own layer (MZB02 - MZB08)
After inserting detail turn off all the layers but
the layer with the appropriate clip.



AP0121K

MEZZANINE BEAM TO WEB OF FULL HEIGHT COLUMN

Detail inserts with all the standard mezz. clips.
Each clip is on it's own layer (MZB02 - MZB07)
After inserting detail turn off all the layers but
the layer with the appropriate clip.

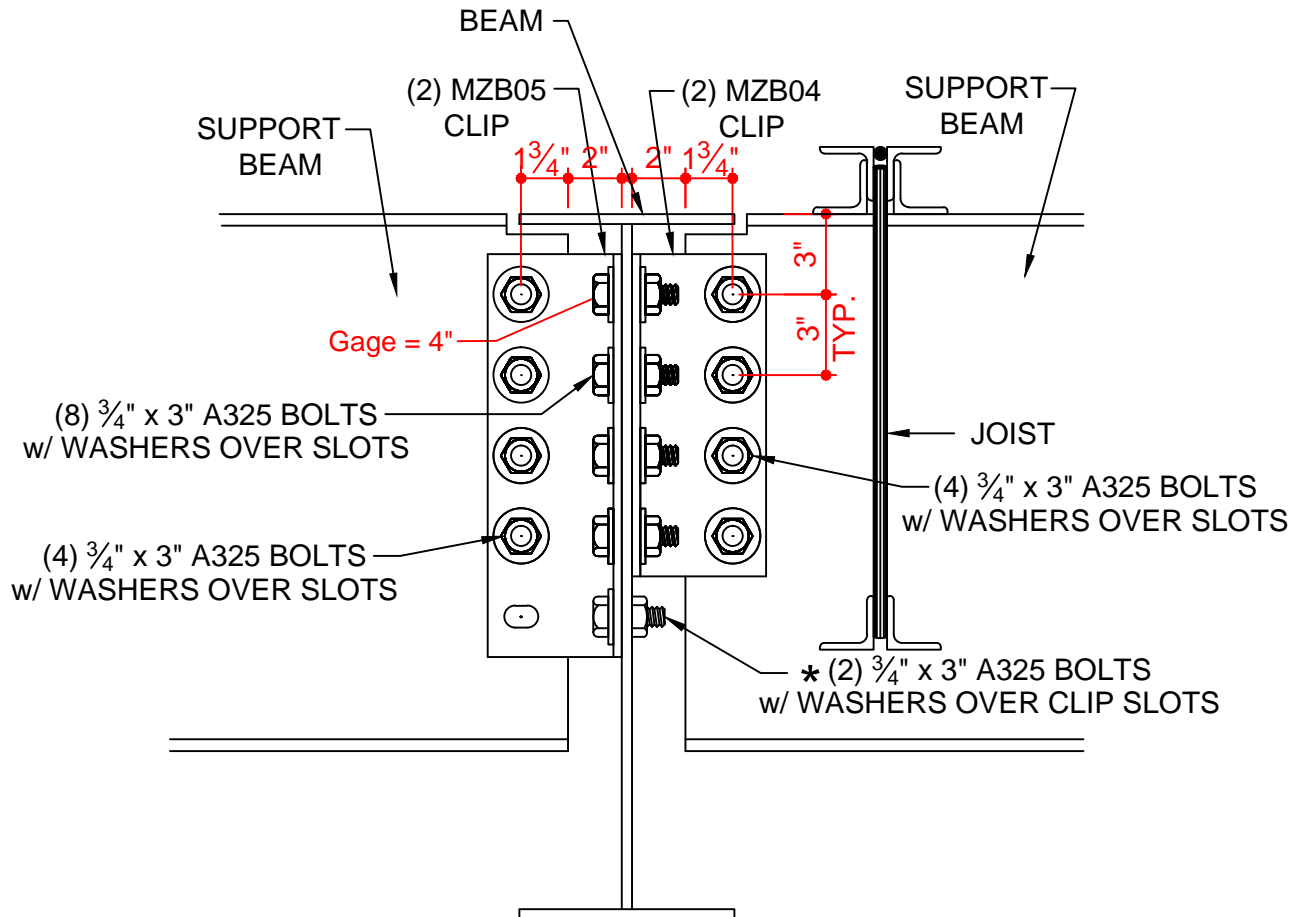


AP0131 K

CHECK CONTRACT DOCUMENTS
FOR REQUIRED CLEARANCES

MEZZANINE BEAM TO WEB OF FULL HEIGHT COLUMN

Detail inserts with all the standard mezz. clips.
Each clip is on it's own layer (MZB02 - MZB07)
After inserting detail turn off all the layers but
the layer with the appropriate clip.



* = ERECTION BOLTS

PROVIDED TO ALLOW INDEPENDENT
SETTING OF BEAMS. NO FLOOR LOADS
SHALL BE APPLIED TO BEAMS UNTIL
ALL BOLTS ARE IN PLACE AND TIGHTENED.

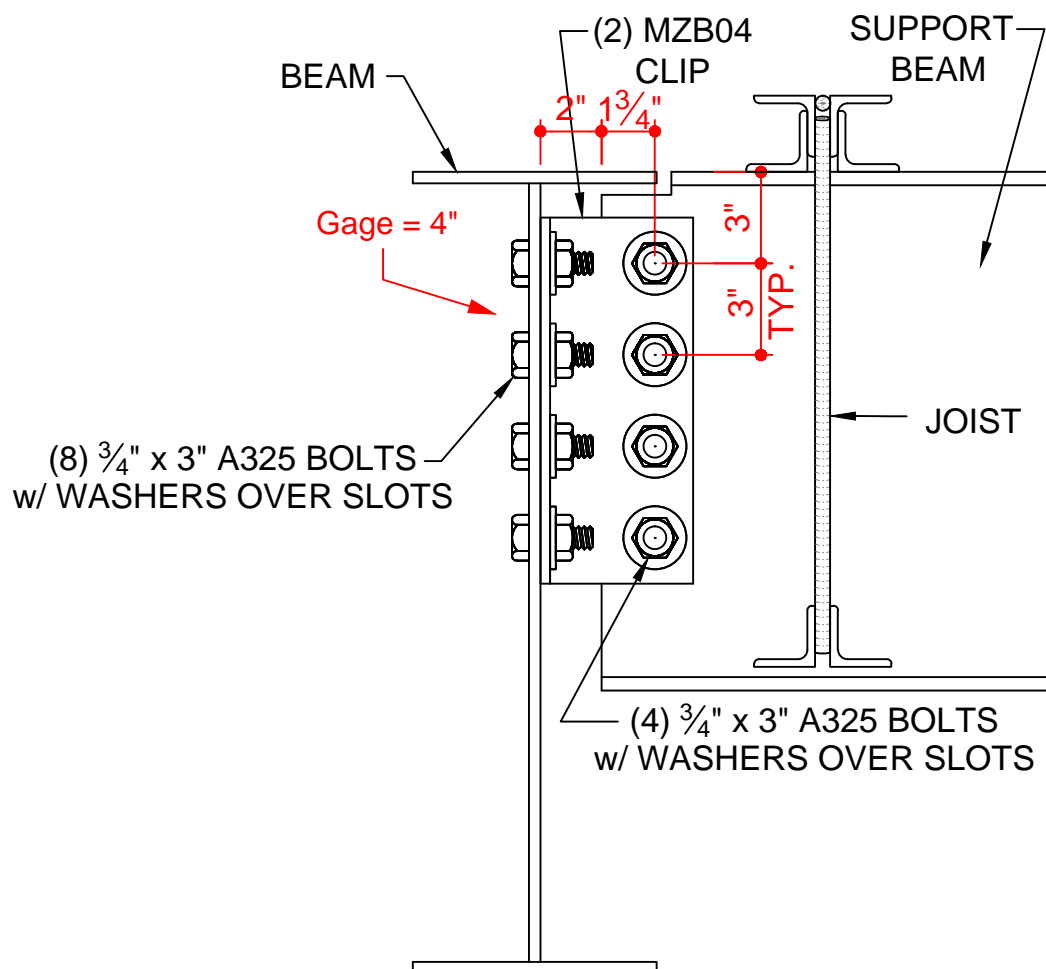
CHECK CONTRACT DOCUMENTS
FOR REQUIRED CLEARANCES

ERECTION BOLTS ARE NOT PART OF THE
CONNECTION DESIGN. ERECTION BOLTS ARE IN
ADDITION TO THE BOLTS CALLED OUT ON DESIGN.

AP0141 **K**

MEZZANINE BEAM TO WEB OF BEAM AT SAME ELEVATION

Detail inserts with all the standard mezz. clips.
 Each clip is on it's own layer (MZB02 - MZB08)
 After inserting detail turn off all the layers but
 the layer with the appropriate clip.



AP0151

CHECK CONTRACT DOCUMENTS
 FOR REQUIRED CLEARANCES

MEZZANINE BEAM TO WEB OF BEAM AT SAME ELEVATION



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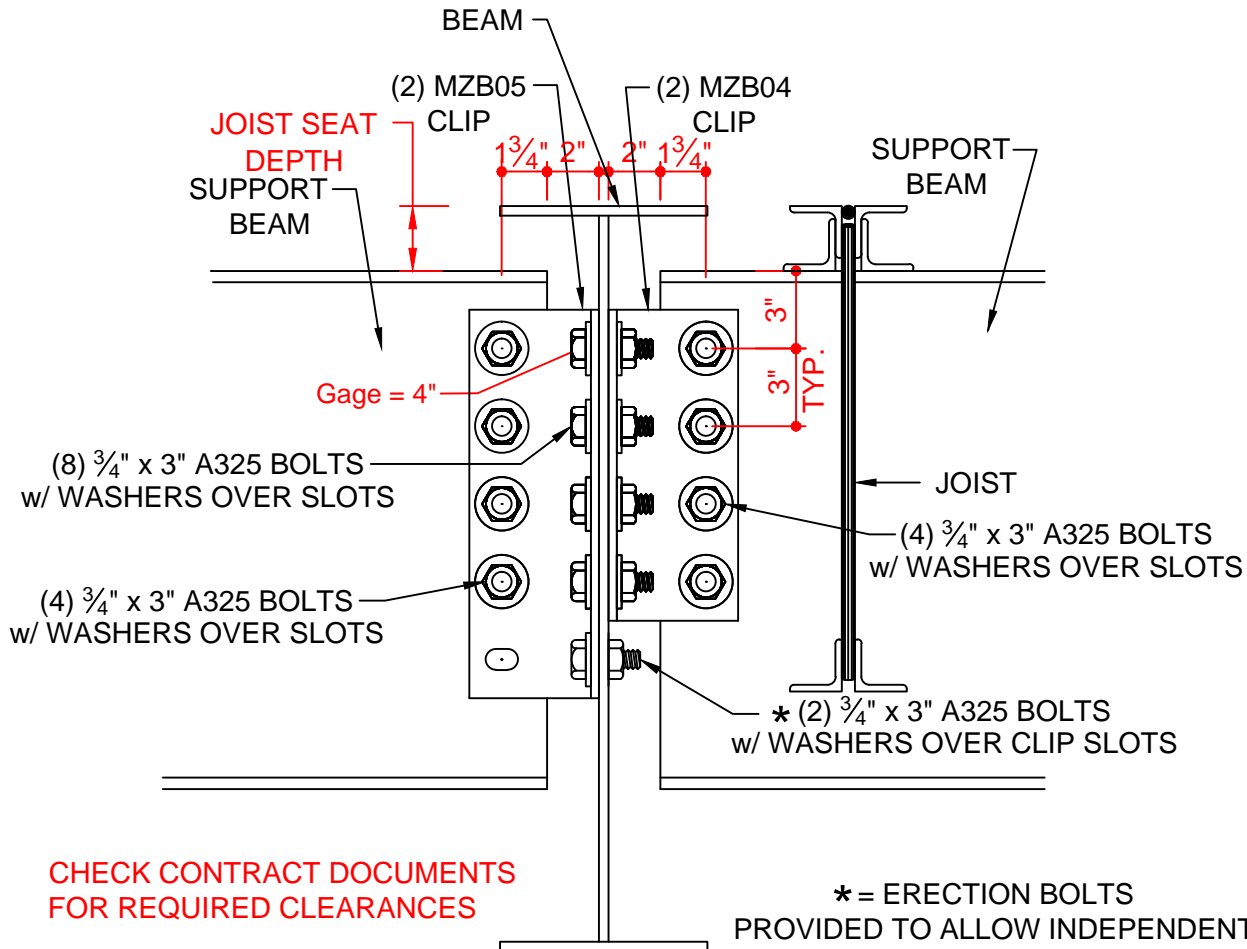
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PREPARED BY: BKC

DATE: 8-18-17

AP0151

Detail inserts with all the standard mezz. clips.
Each clip is on it's own layer (MZB02 - MZB07)
After inserting detail turn off all the layers but
the layer with the appropriate clip.



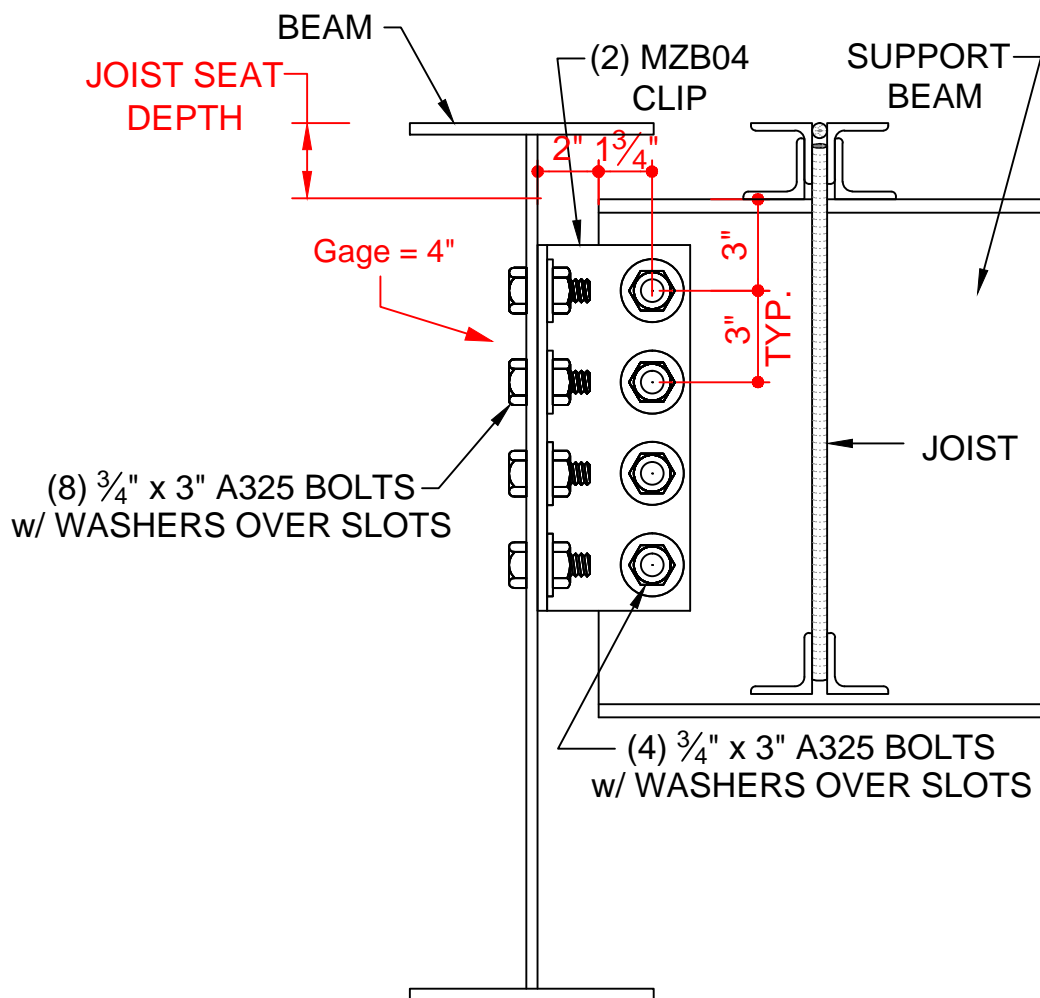
CHECK CONTRACT DOCUMENTS
FOR REQUIRED CLEARANCES

* = ERECTION BOLTS
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ADDITION TO THE BOLTS CALLED OUT ON DESIGN.

AP0161K

MEZZANINE BEAM TO WEB OF BEAM AT DIFFERENT ELEVATION

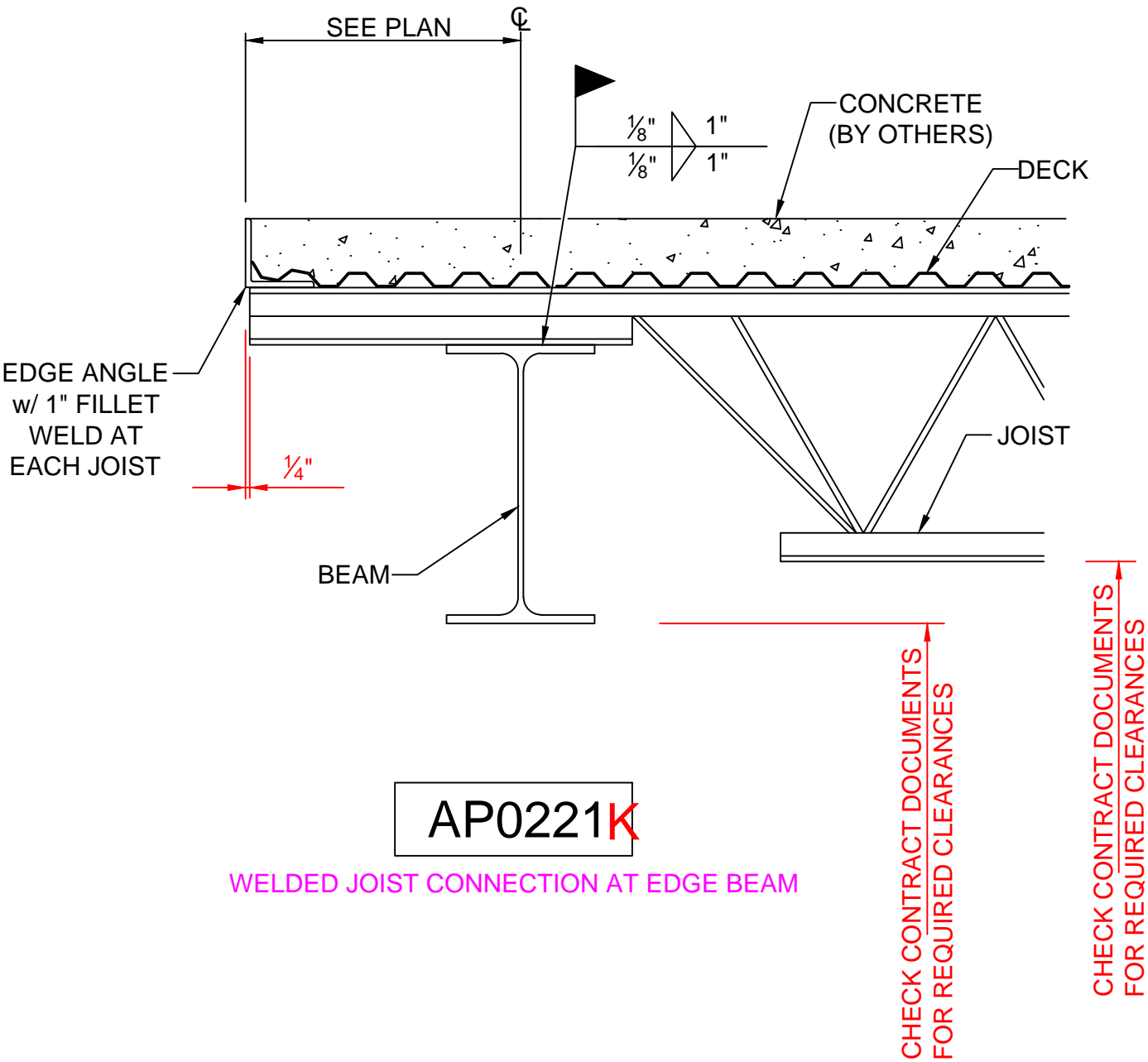
Detail inserts with all the standard mezz. clips.
Each clip is on it's own layer (MZB02 - MZB08)
After inserting detail turn off all the layers but
the layer with the appropriate clip.

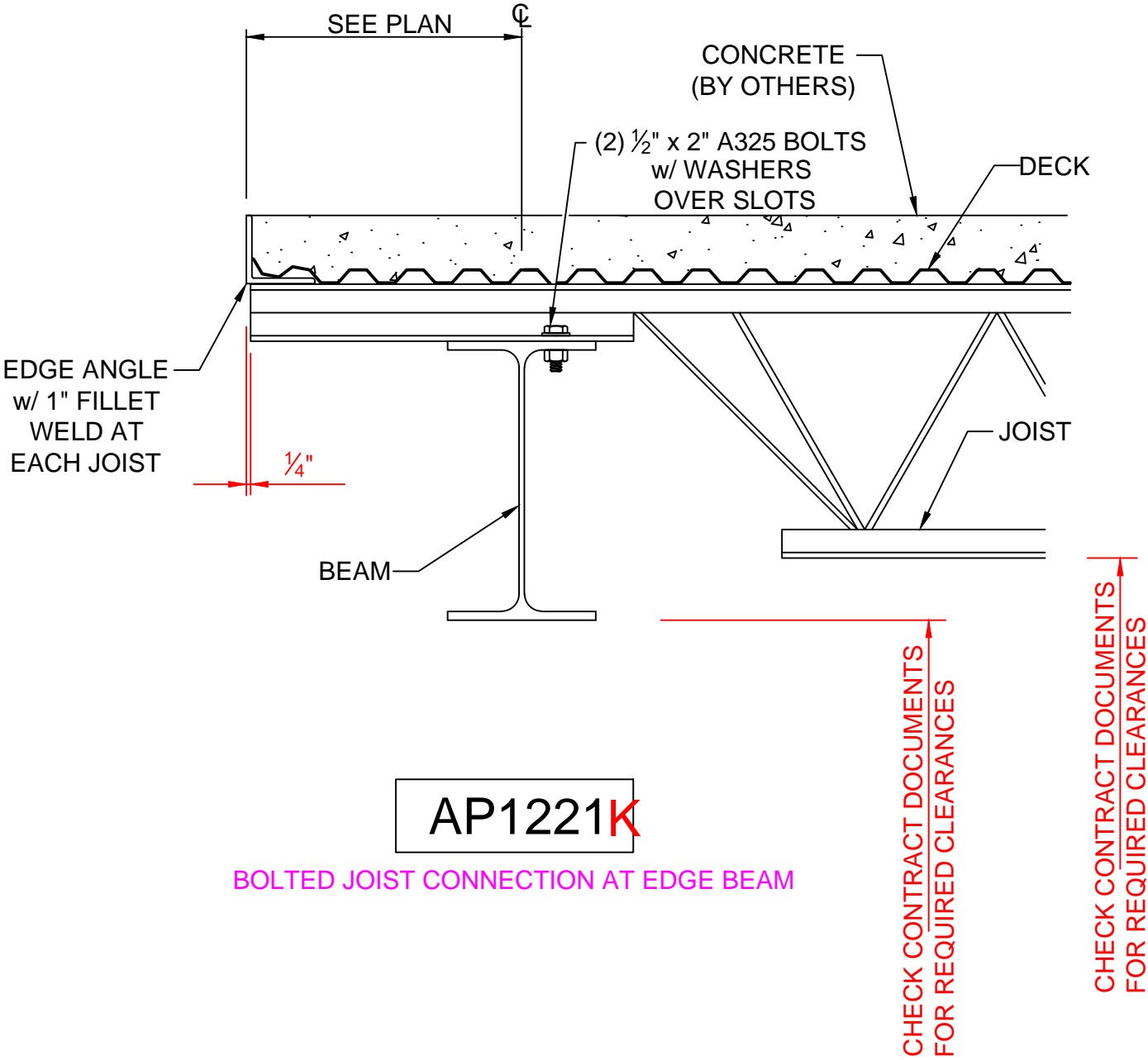


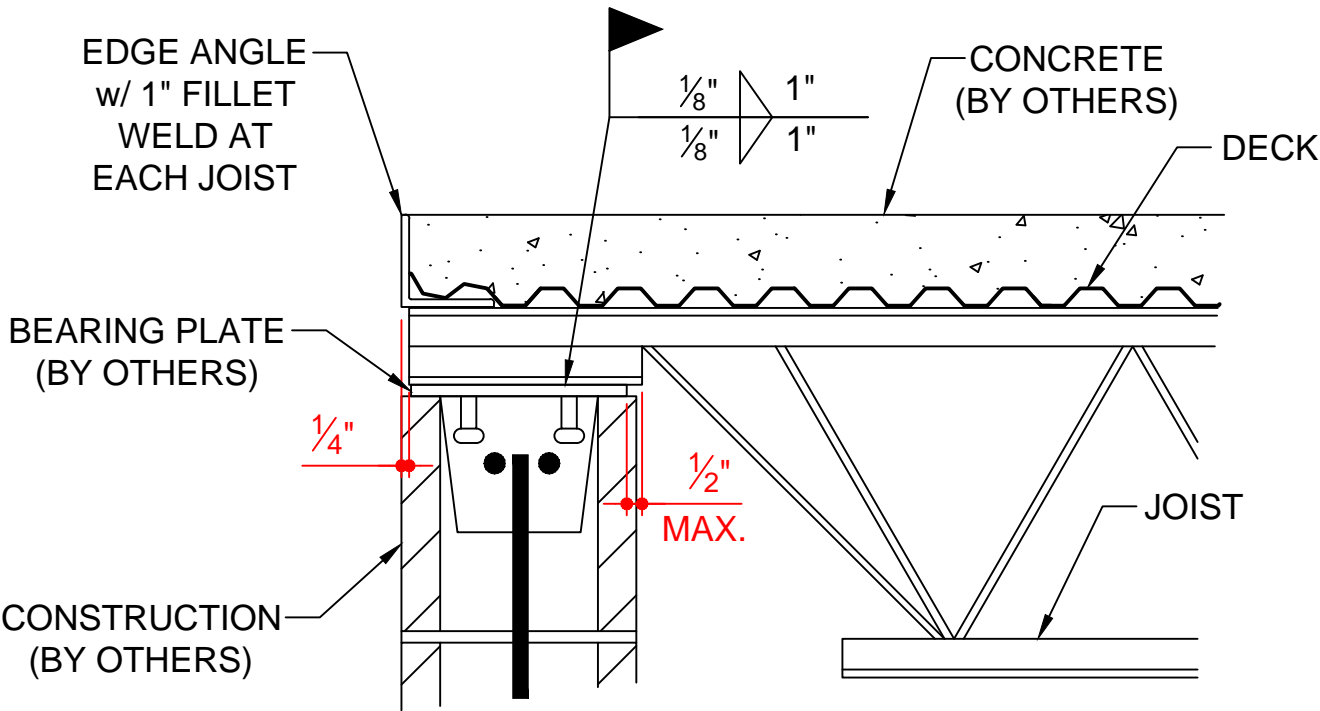
AP0171

K CHECK CONTRACT DOCUMENTS
FOR REQUIRED CLEARANCES

MEZZANINE BEAM TO WEB OF BEAM AT DIFFERENT ELEVATION

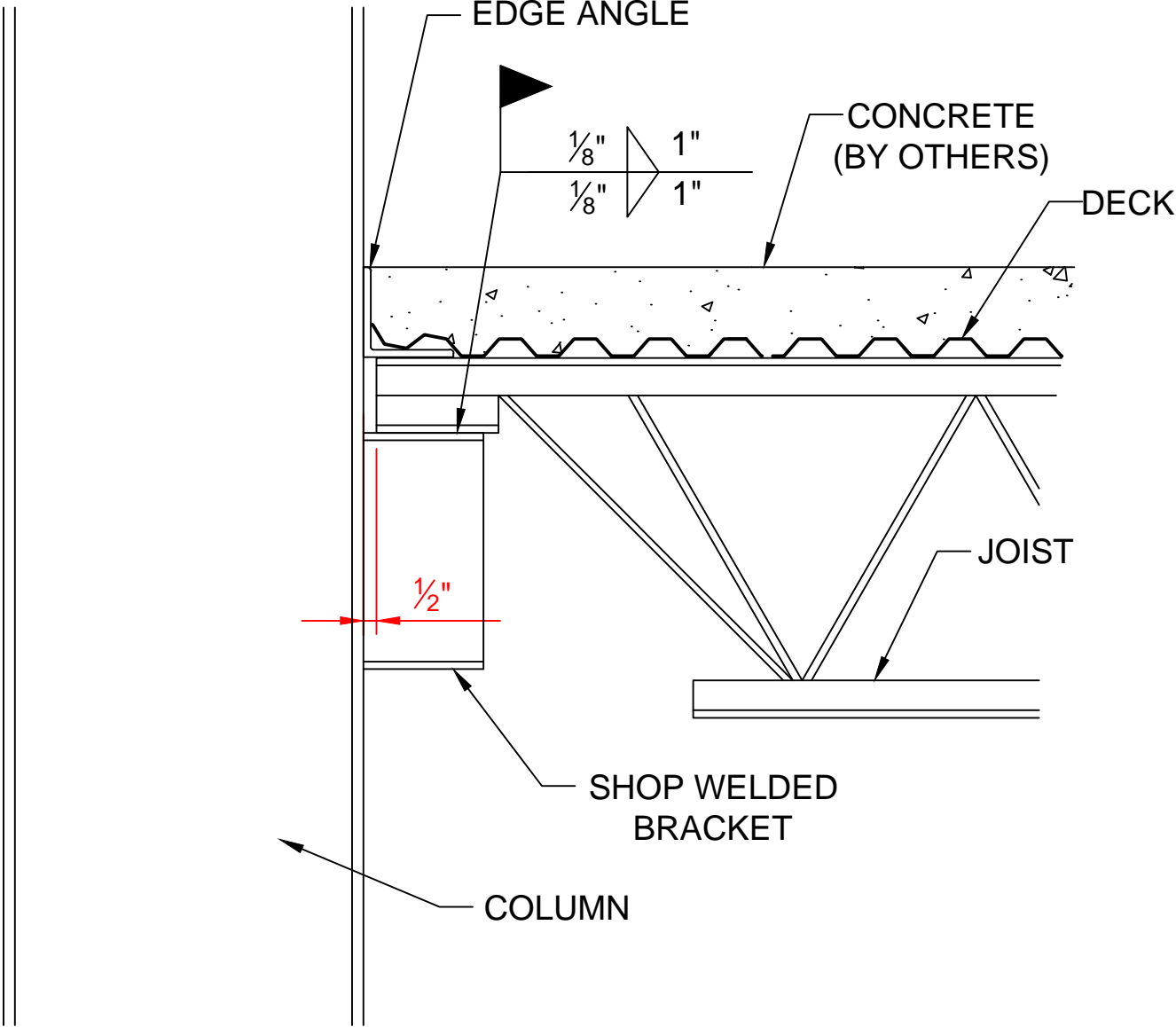






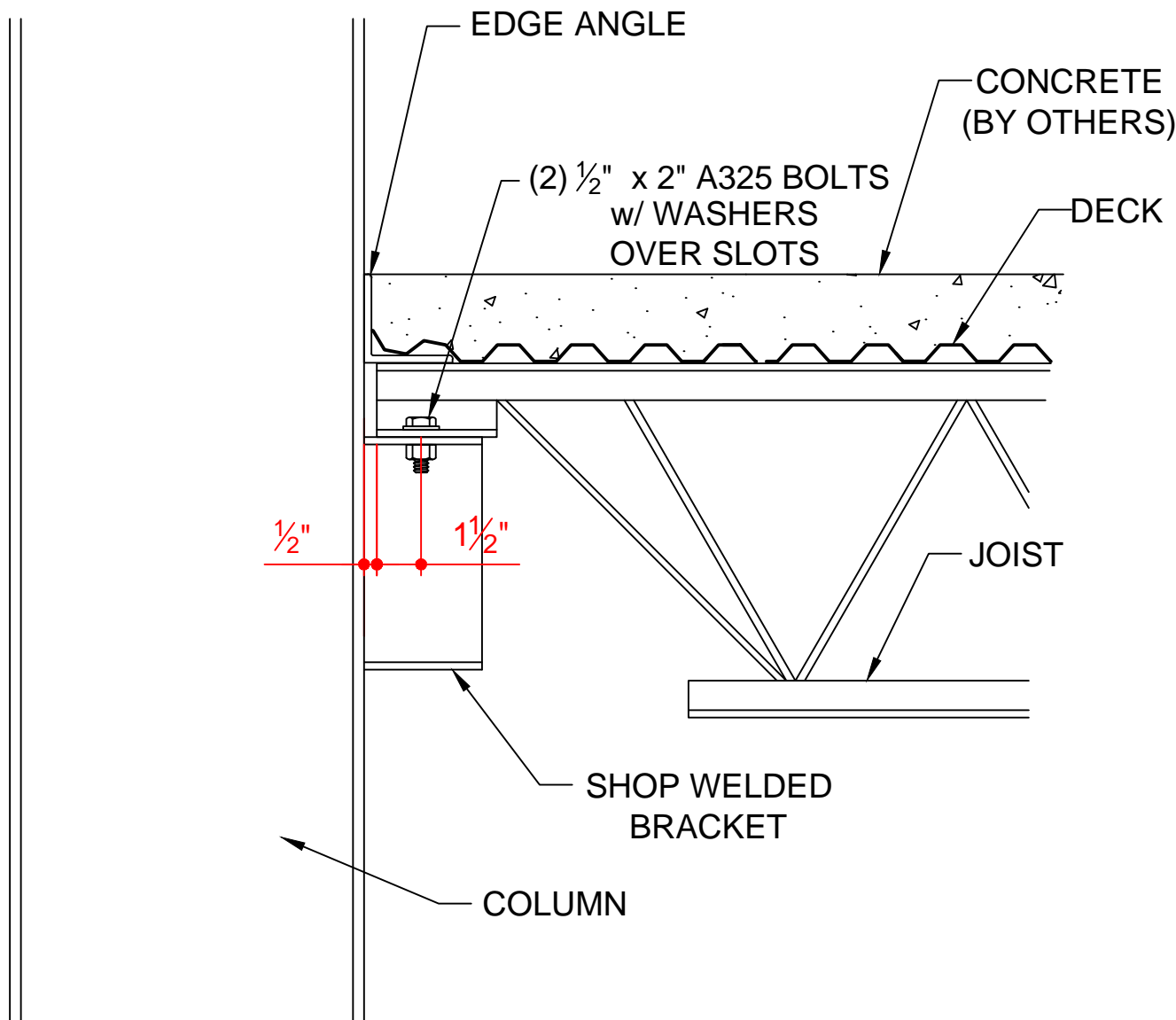
AP0226K

WELDED JOIST CONNECTION END SUPPORT BY OTHERS



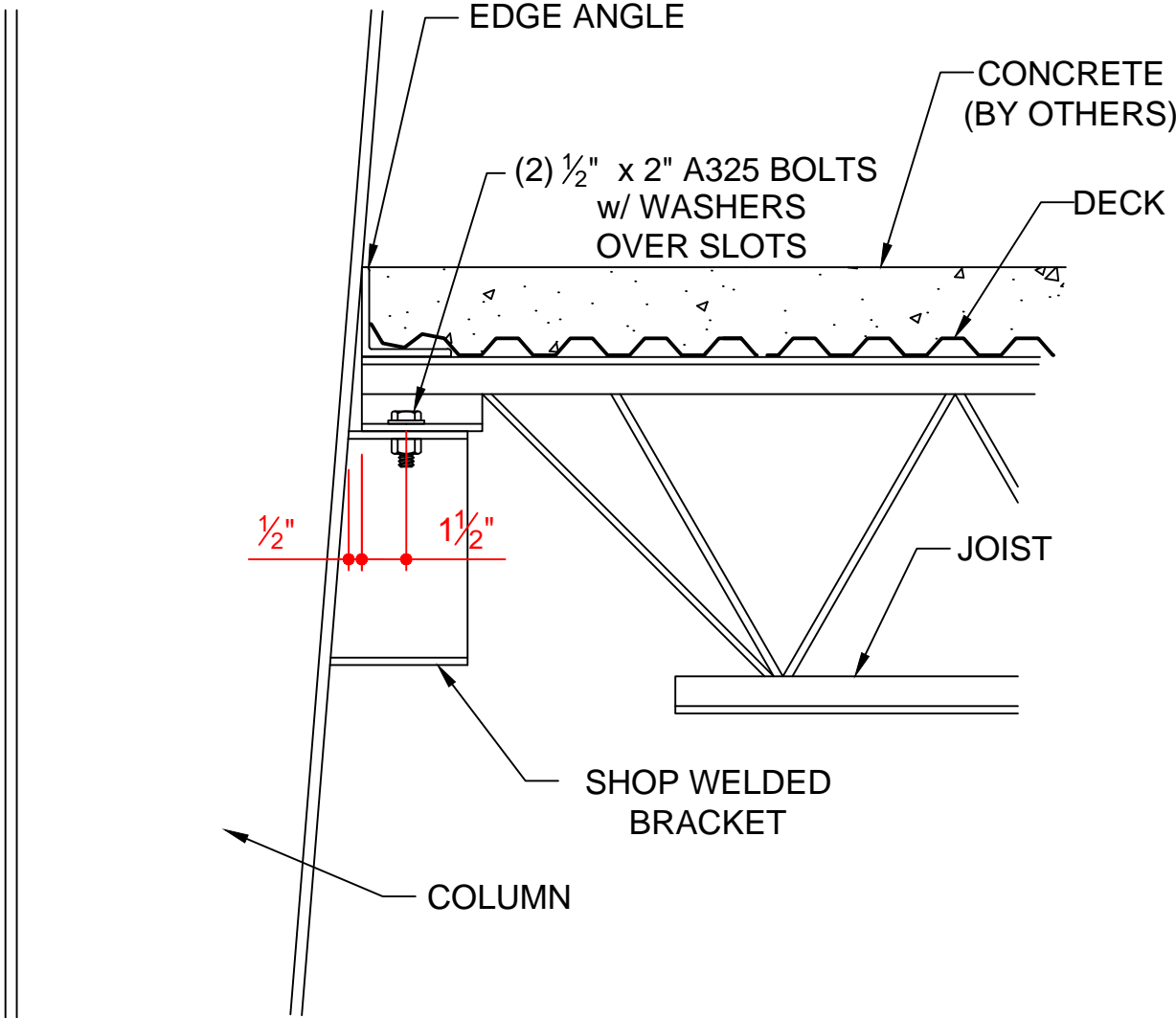
AP0261K

WELDED JOIST CONNECTION AT COLUMN FLANGE



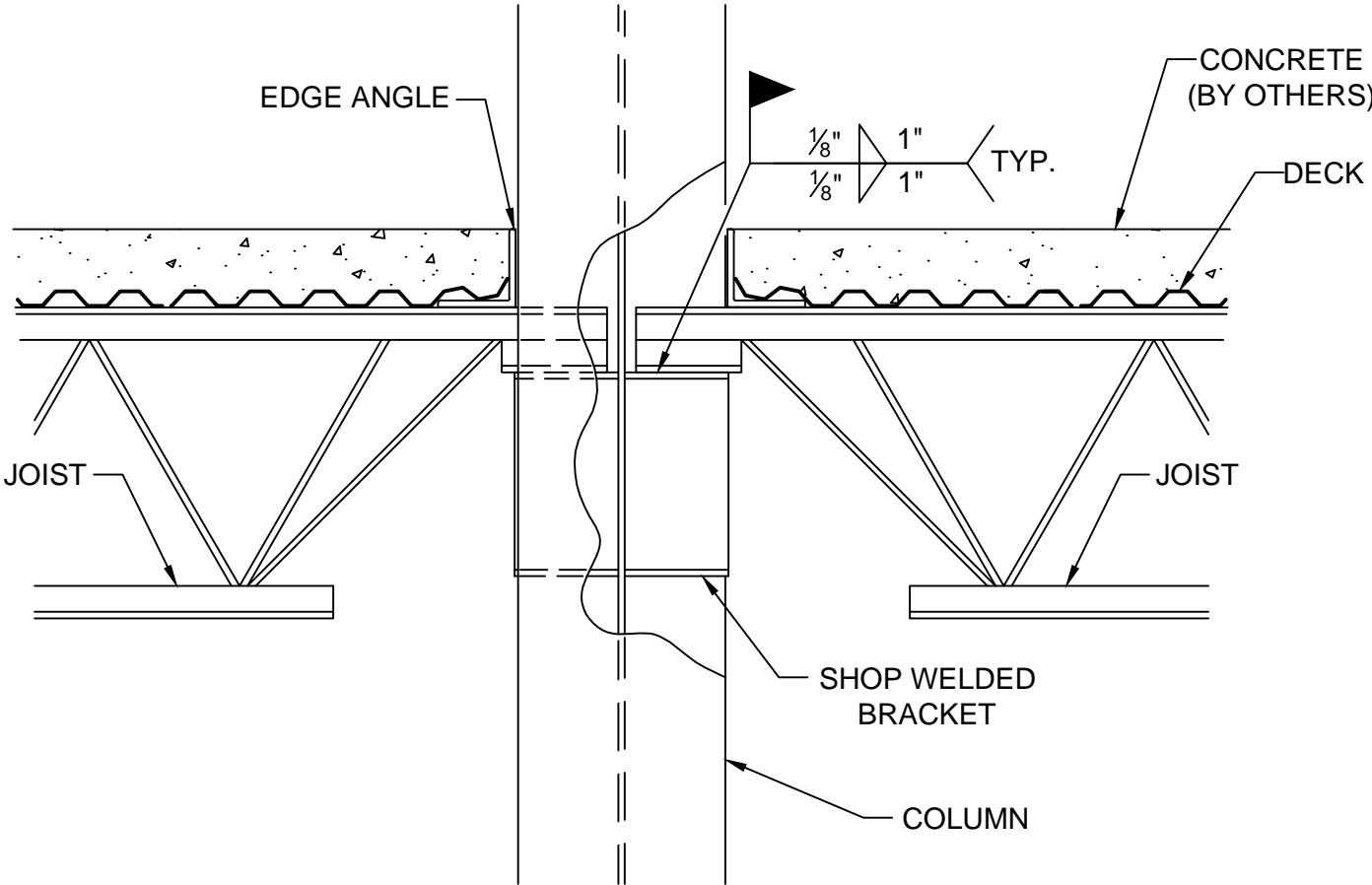
AP1261K

BOLTED JOIST CONNECTION AT COLUMN FLANGE



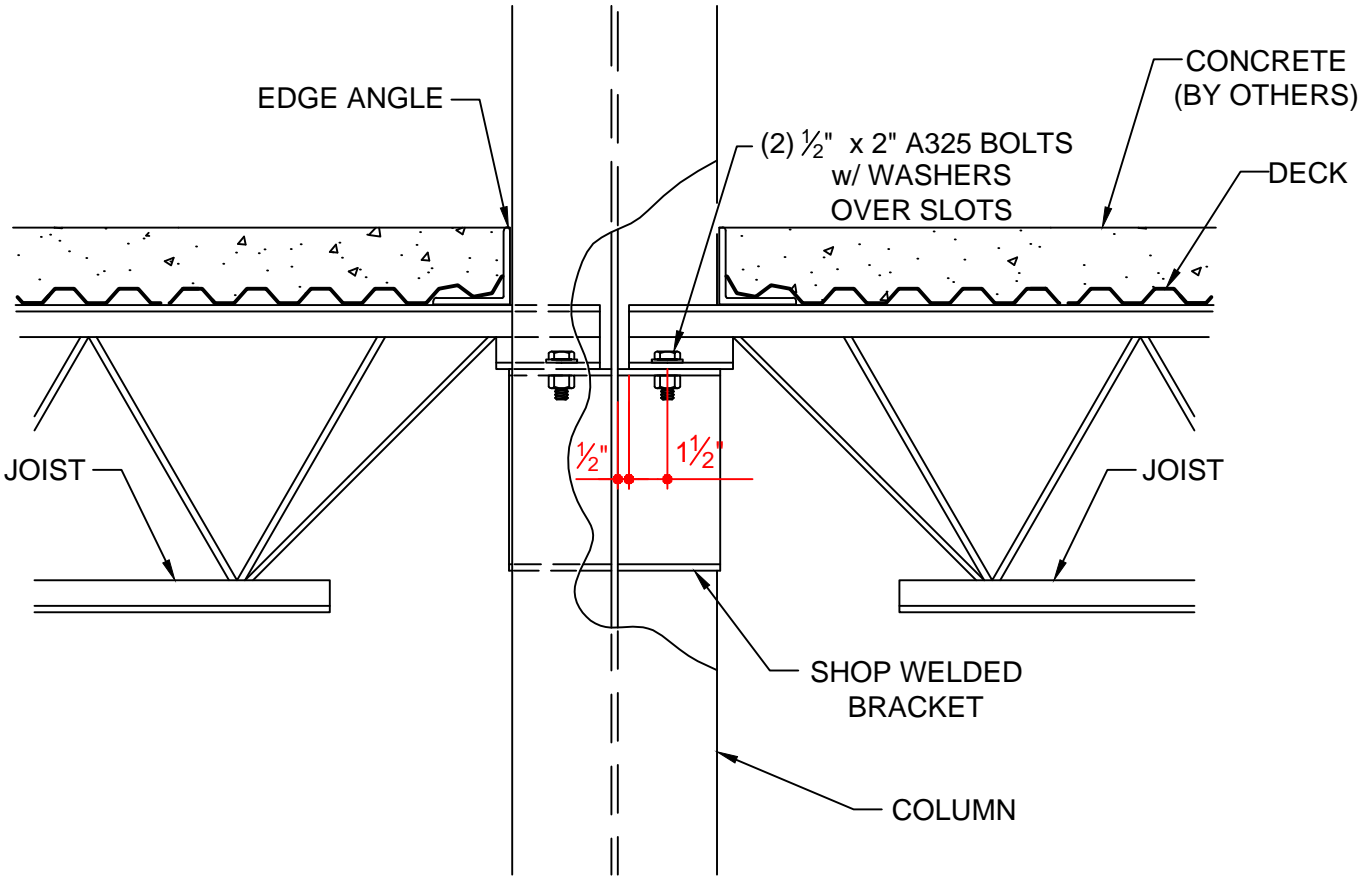
AP2261K

BOLTED JOIST CONNECTION AT TAPERED COLUMN FLANGE



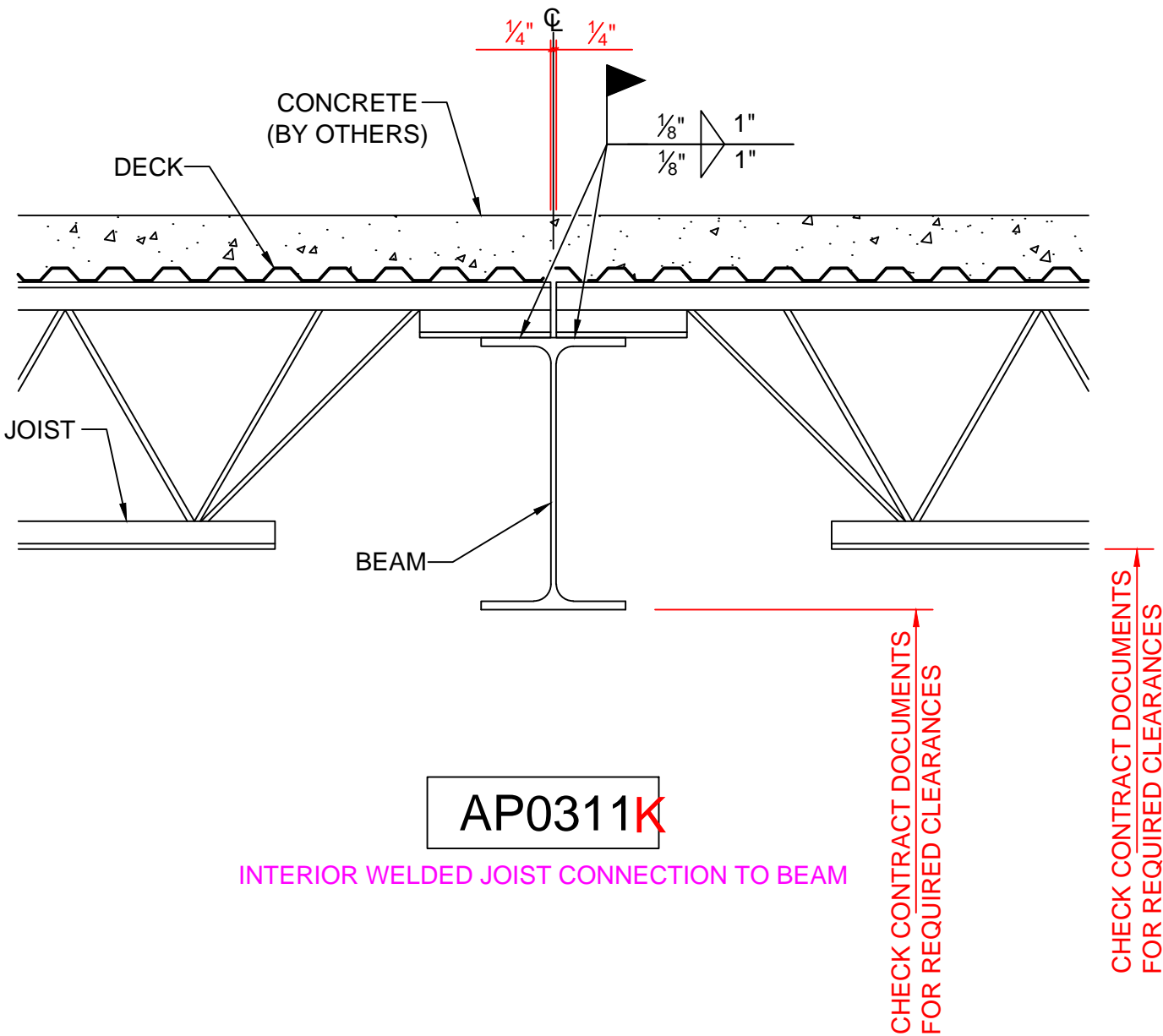
AP0301K

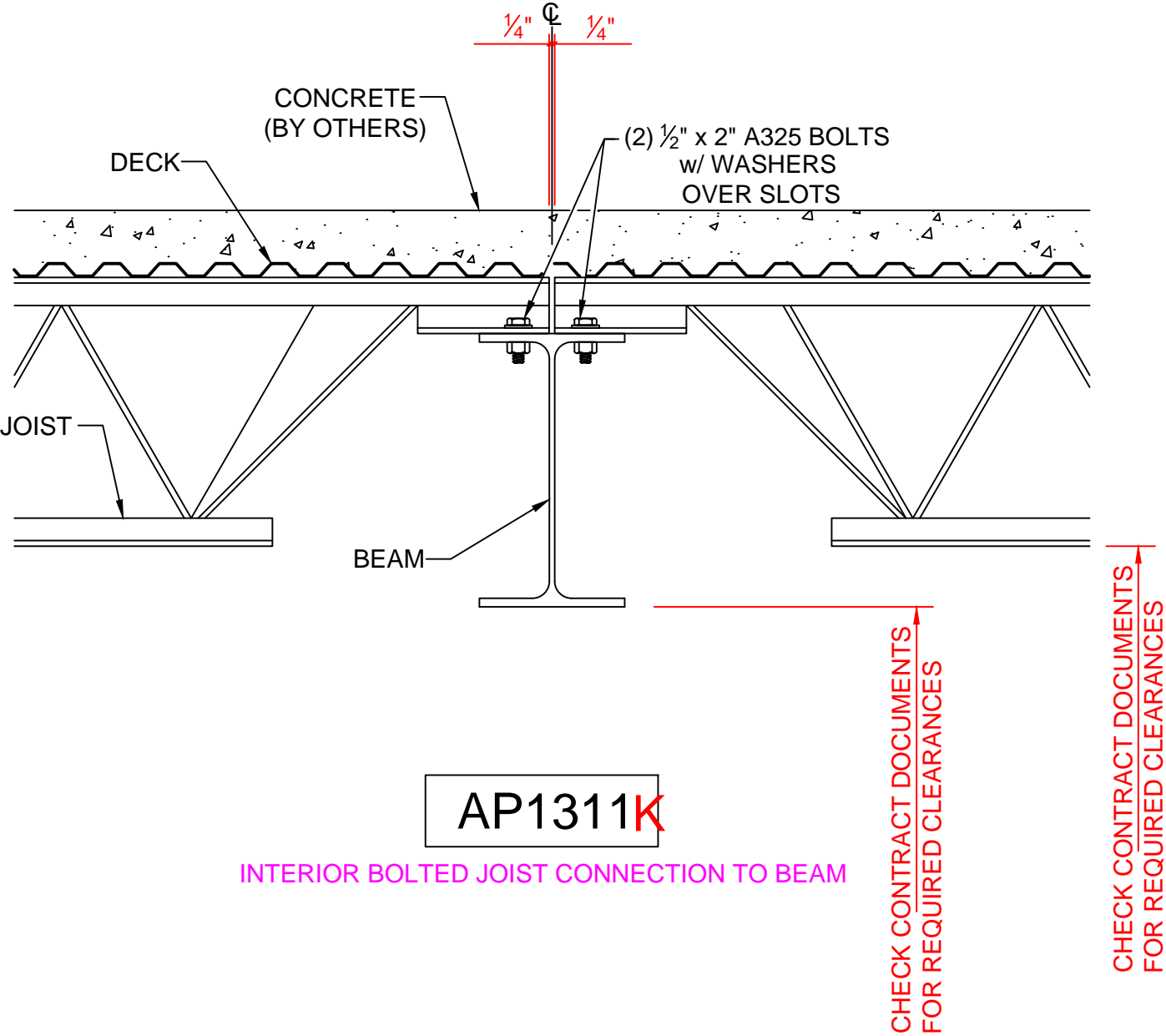
WELDED JOIST CONNECTION AT COLUMN WEB

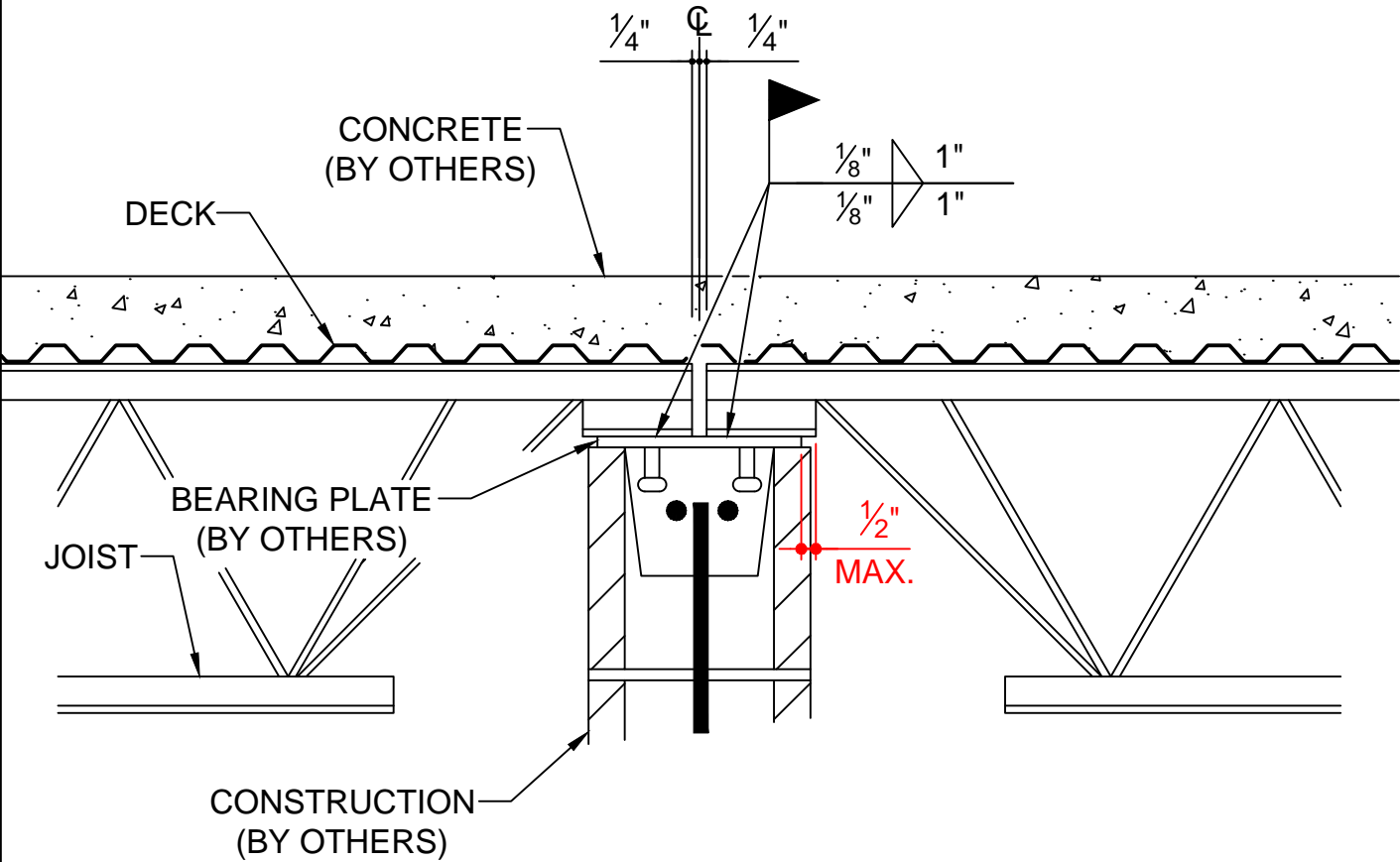


AP1301K

BOLTED JOIST CONNECTION AT COLUMN WEB





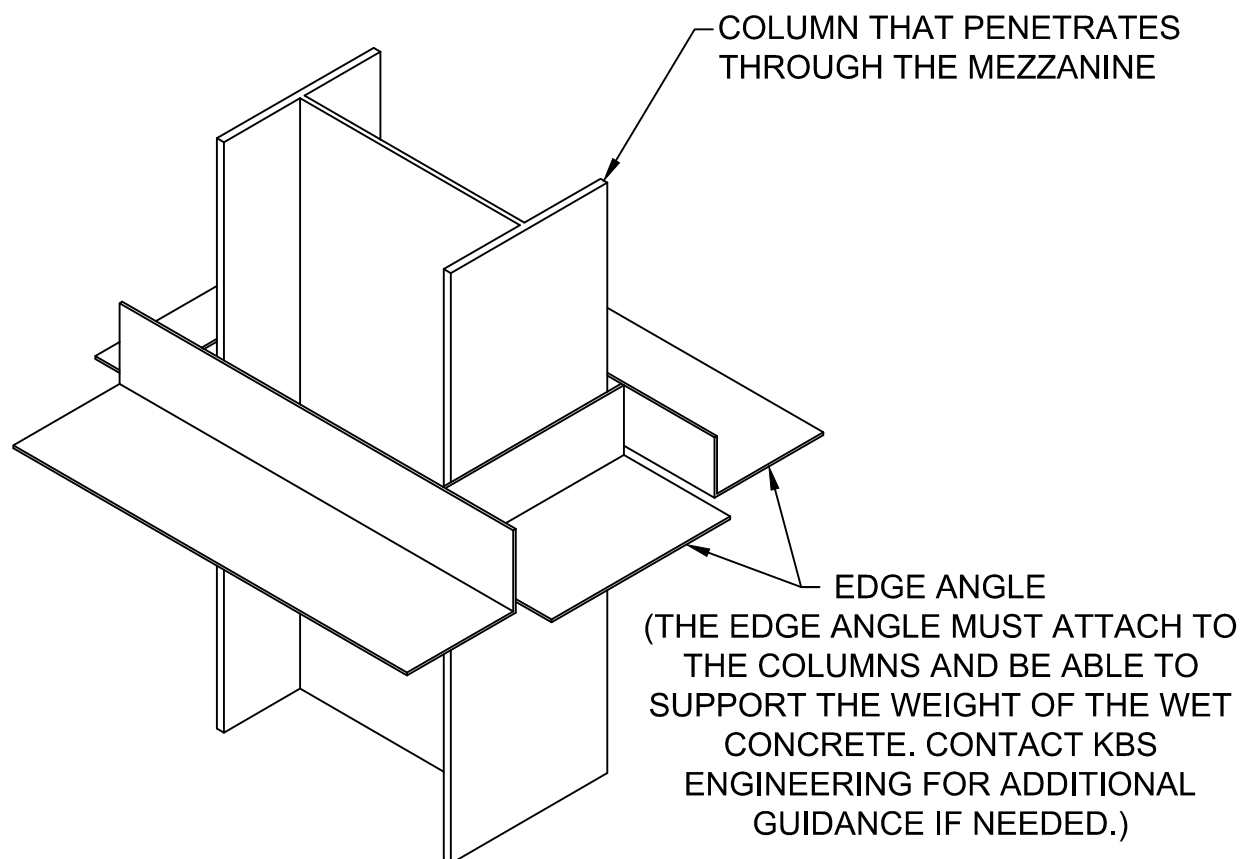


AP0316K

WELDED JOIST CONNECTION INTERIOR SUPPORT BY OTHERS

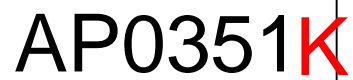
ERECTOR NOTE:

EDGE ANGLE MATERIAL HAS BEEN PROVIDED TO BE USED AROUND THE PERIMETER OF ANY KBS COLUMNS THAT PENETRATE THROUGH THE MEZZANINE. FIELD CUT EDGE ANGLE TO PROVIDE SUPPORT FOR CONCRETE AT THE COLUMN.



AP0326K

EDGE ANGLE DETAIL AT FULL HEIGHT COLUMN

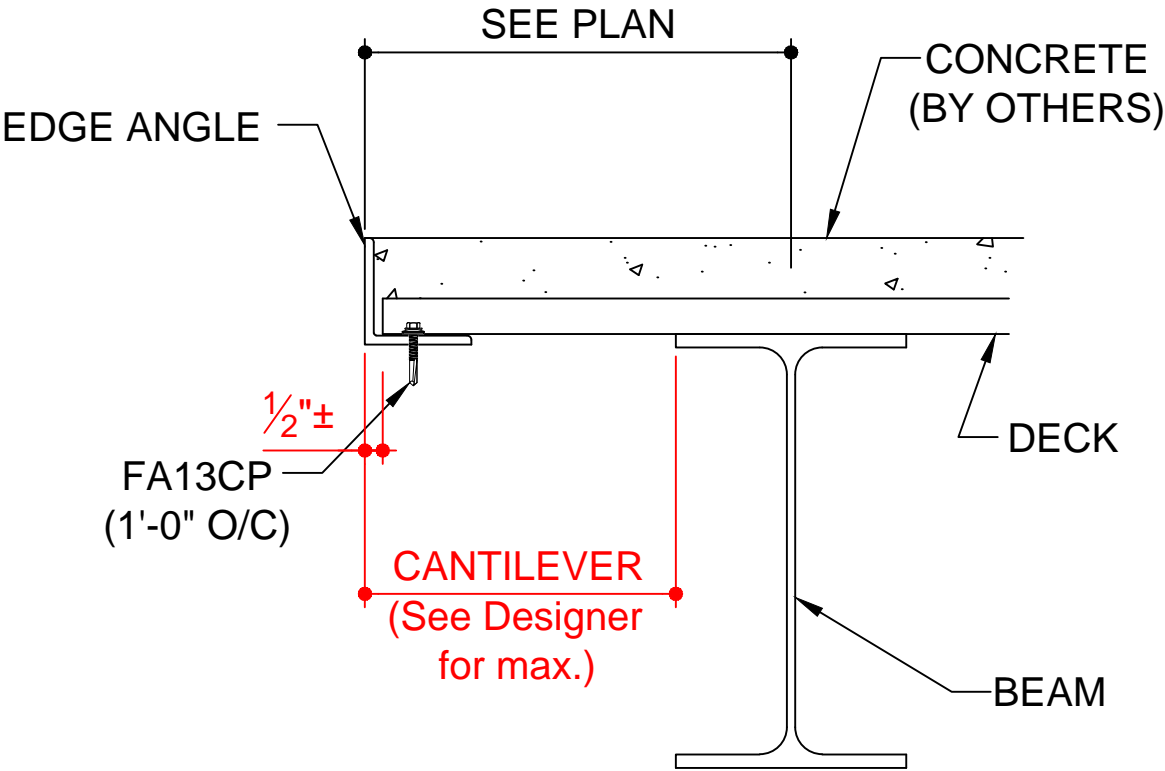


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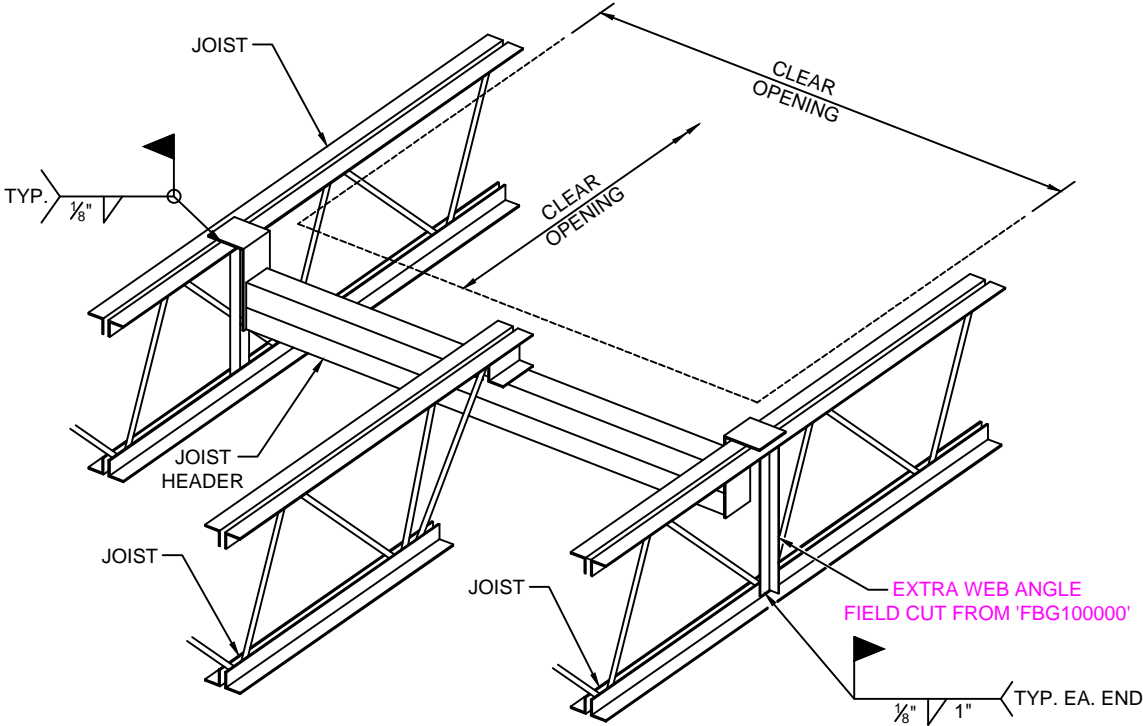
DATE:8-18-17

AP0351

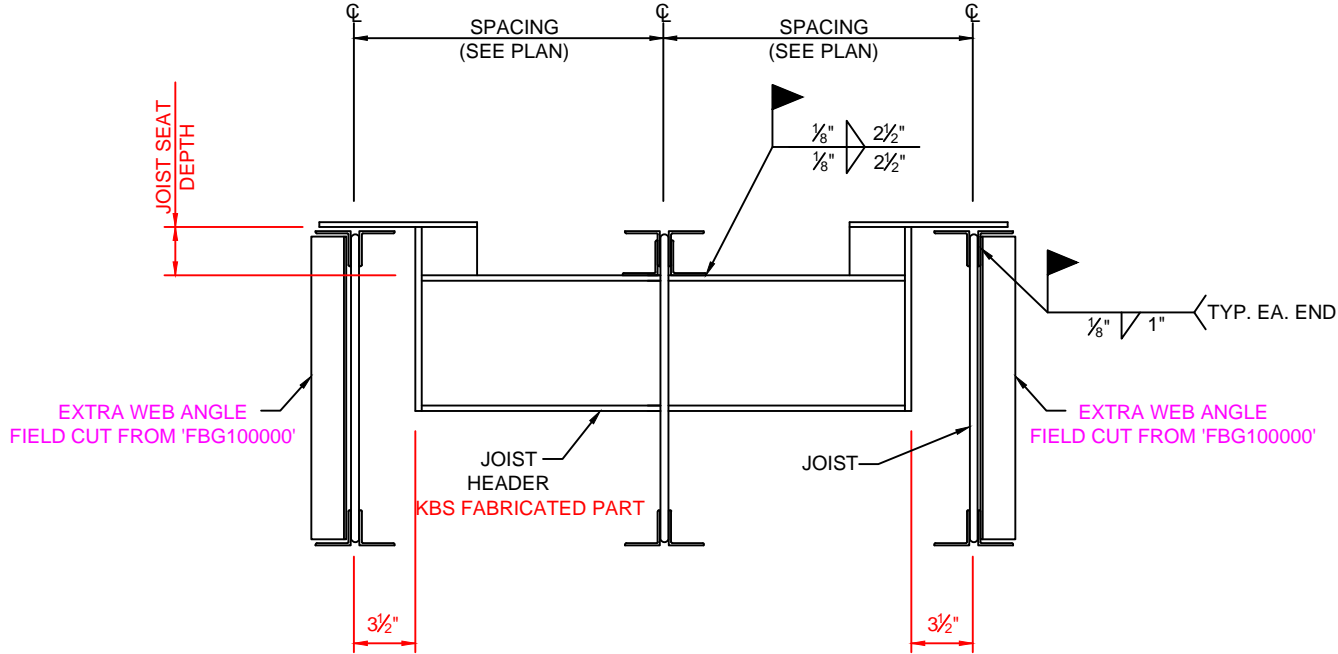


AP1351K

EDGE ANGLE DETAIL AT CANTILEVERED DECK w/ BEAM



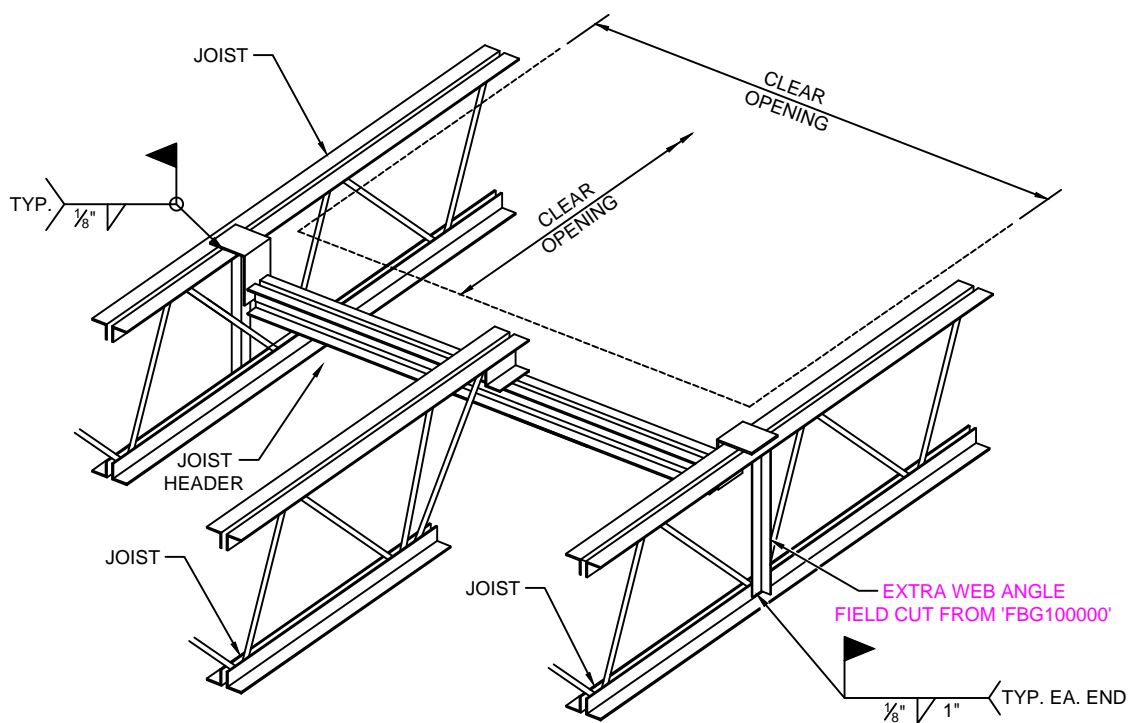
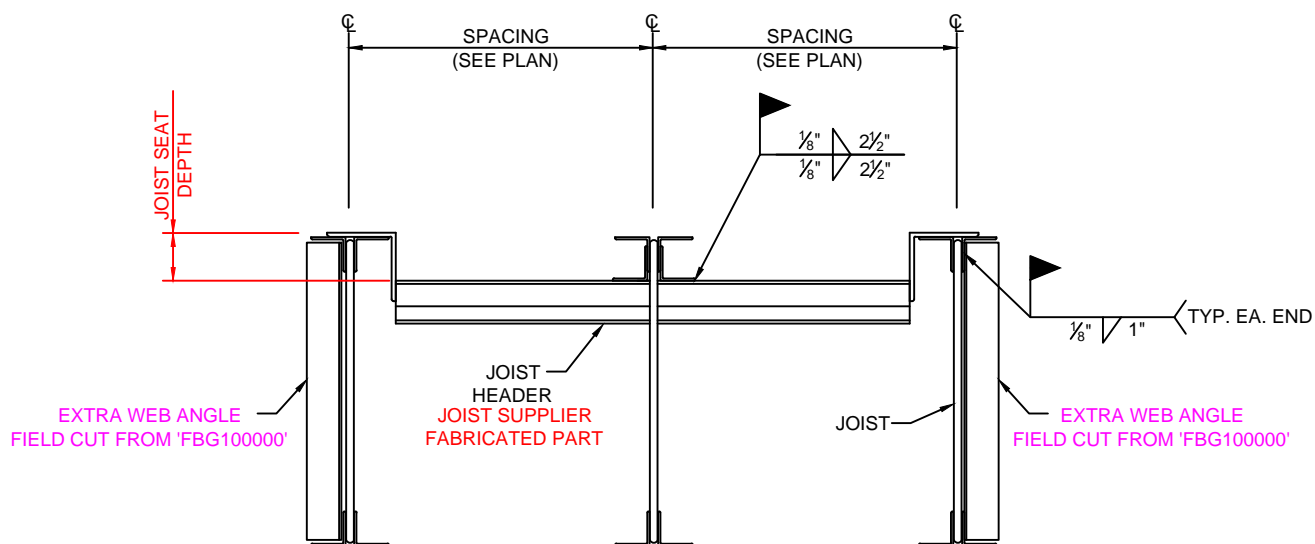
ISOMETRIC VIEW



SEE ISOMETRIC VIEW ABOVE

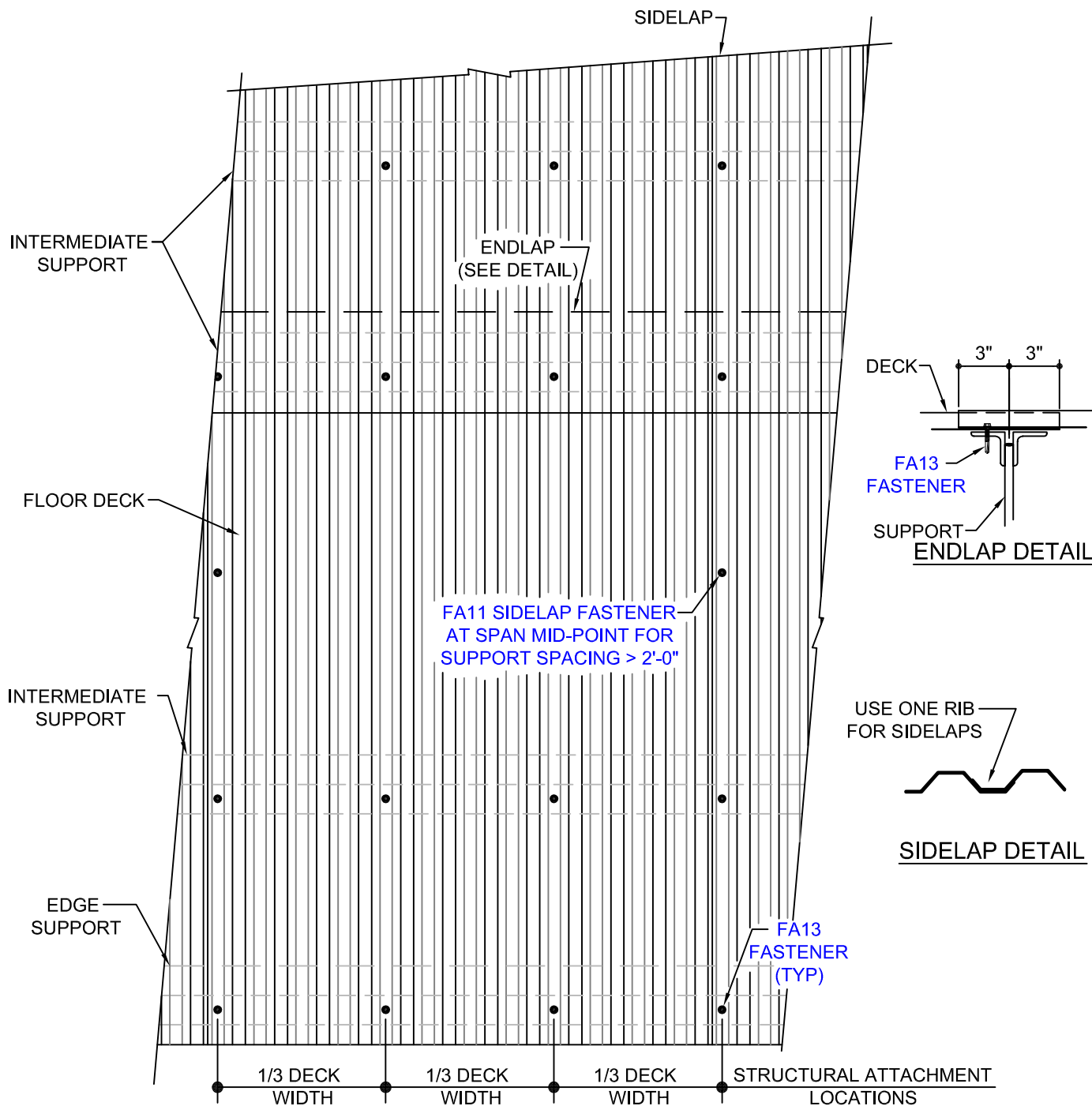
AP0396K

JOIST HEADER INSTALLATION DETAIL

ISOMETRIC VIEWSEE ISOMETRIC VIEW ABOVE

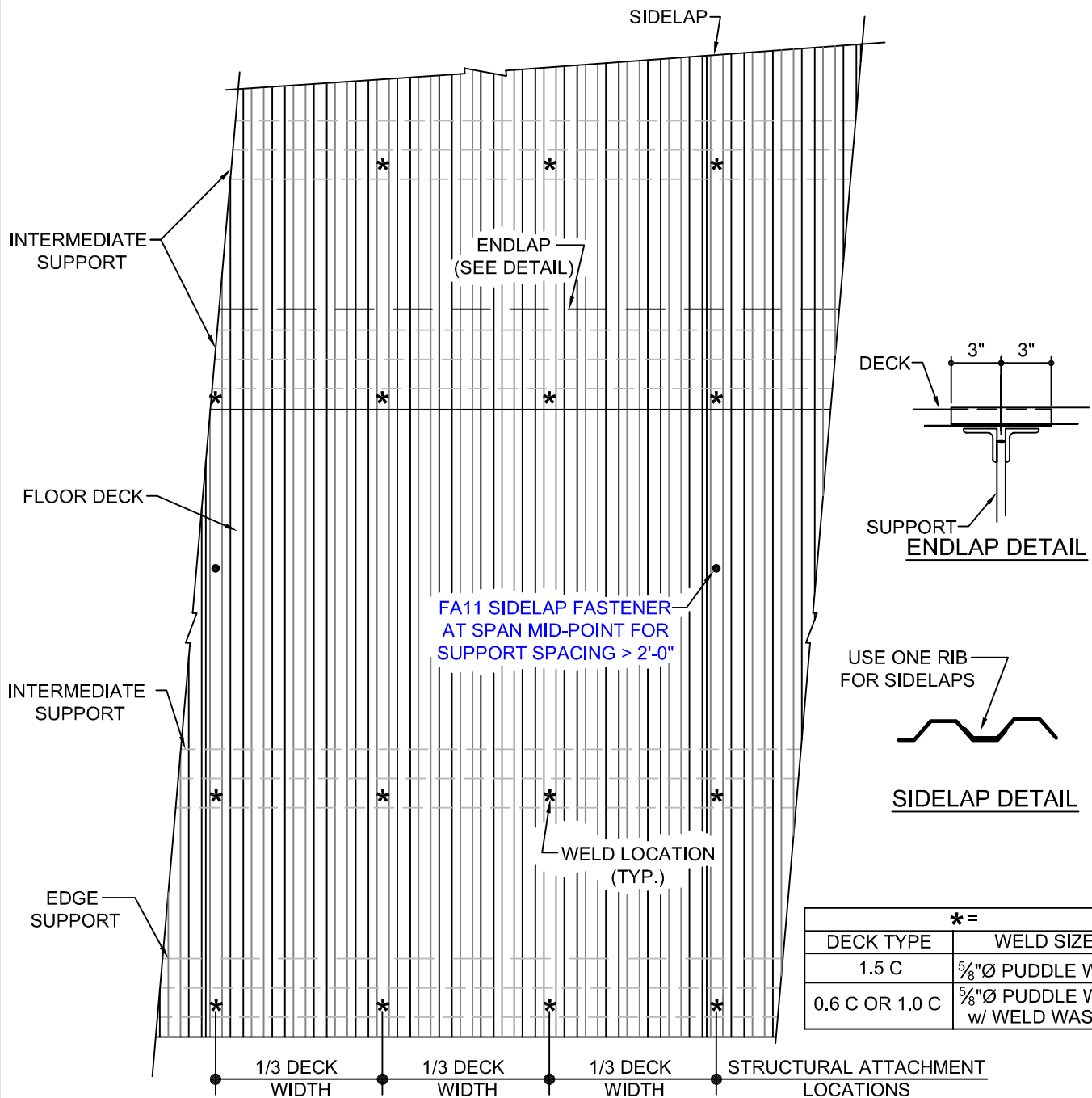
AP1396K

JOIST HEADER INSTALLATION DETAIL



AP0501K

FLOOR DECK ATTACHMENT LAYOUT w/ FASTENERS



AP0502K

FLOOR DECK ATTACHMENT LAYOUT w/ WELD WASHERS