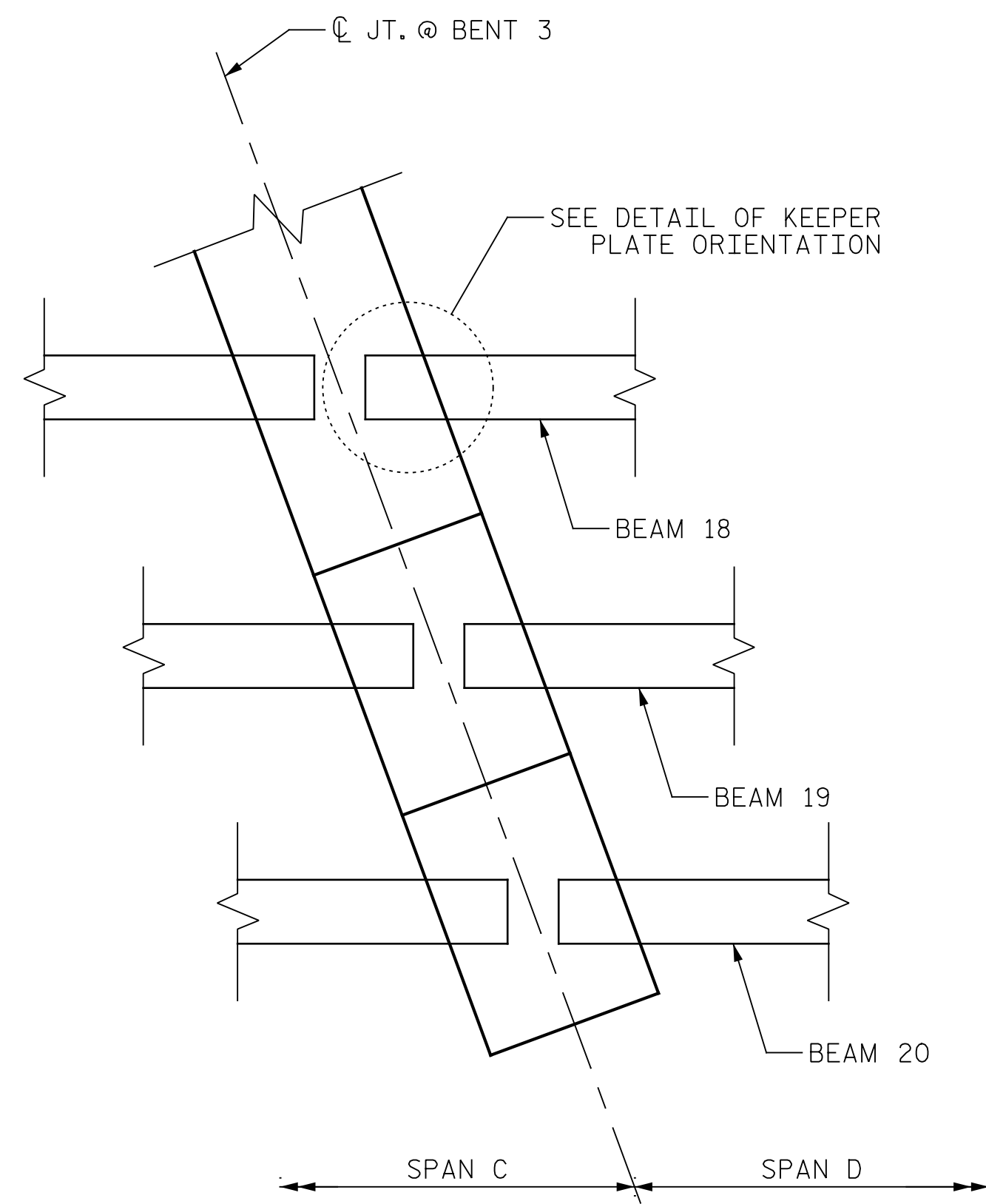
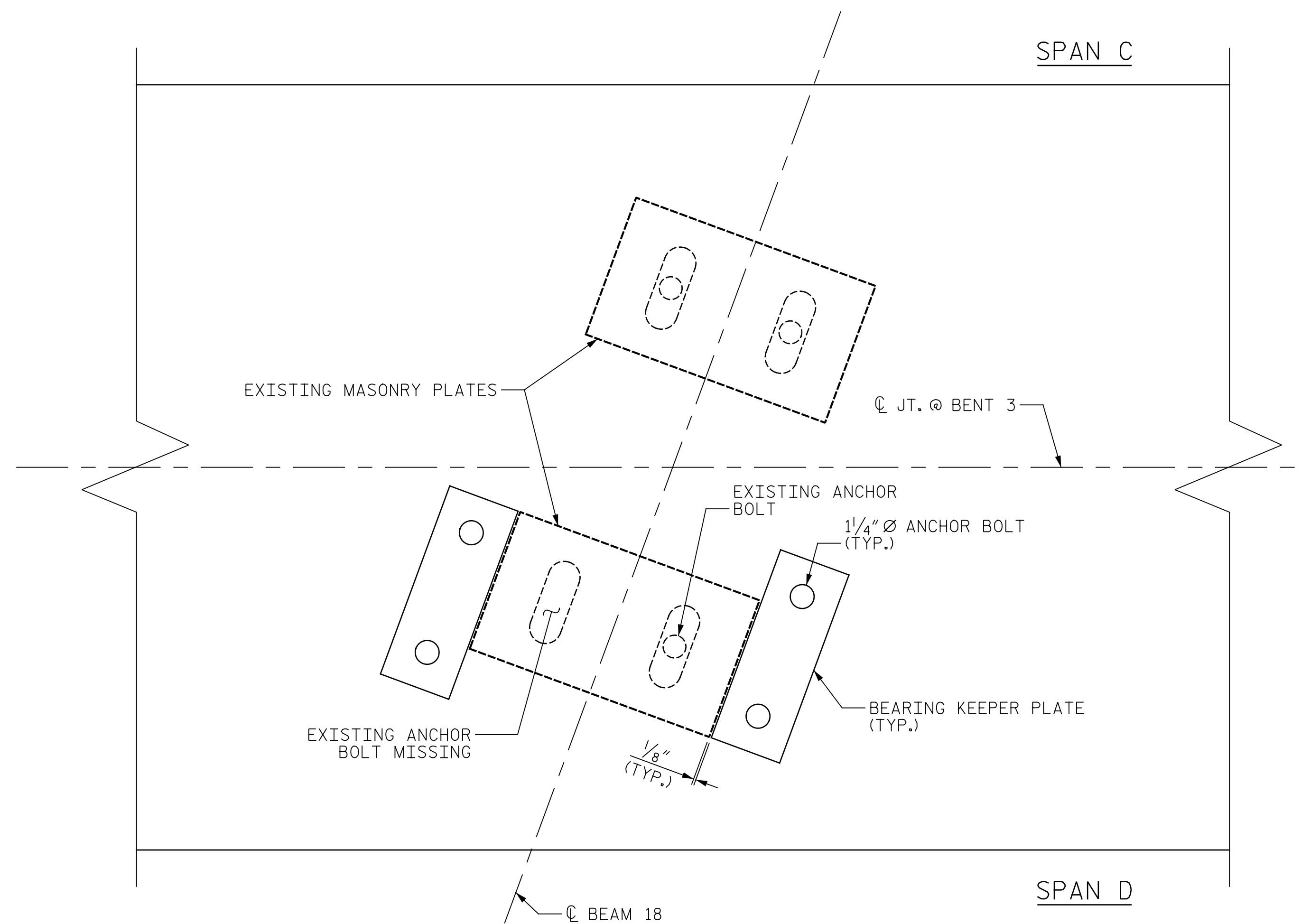


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BEARING LOCATION PLAN



DETAIL OF KEEPER PLATE ORIENTATION

**NOTE:**

WITH BEAM IN A JACKED AND SUPPORTED CONDITION, ROTATE THE EXISTING MASONRY BACK INTO A POSITION CENTERED UNDER THE SOLE PLATE. FOR JACKING DETAILS, SEE "JACKING DETAILS" SHEET.

INSTALL KEEPER PLATES AS SHOWN.

LOWER BEAM ONTO THE EXISTING BEARING.

KEEPER BARS, BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1076 OF THE STANDARD SPECIFICATIONS.

ANCHOR BOLTS SHALL BE 1/4" DIAMETER. ALL THREAD MEETING THE REQUIREMENTS OF ASTM F1554 GRADE 55.

NUTS SHALL MEET THE REQUIREMENTS OF ASTM A563-15 GRADE A.

WASHERS SHALL MEET THE REQUIREMENTS OF ASTM F436 TYPE 1 CIRCULAR.

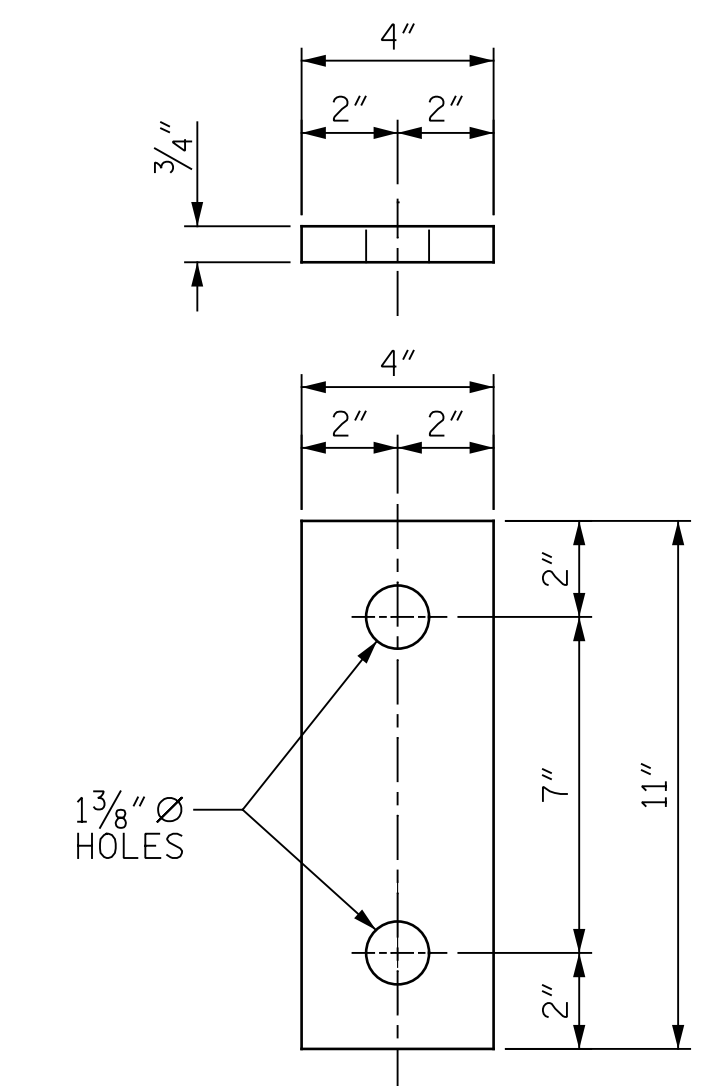
THE CONTRACTOR SHALL DRILL OR CORE INTO THE EXISTING BENT CAP TO INSTALL KEEPER PLATE ANCHORS. THE ANCHORS SHALL BE ADHESIVELY ANCHORED. ADHESIVE FOR ANCHORING SHALL BE ON THE NCDOT APPROVED PRODUCTS LIST.

EXISTING "S" BAR STIRRUPS MAY BE CUT TO INSTALL ANCHOR BOLTS.

THE EMBEDMENT DEPTH OF THE ANCHOR BOLTS SHALL BE 7" OR THE DEPTH RECOMMENDED BY THE ADHESIVE MANUFACTURER TO ATTAIN THE PULL-OUT STRENGTH OF THE DESIGN LOAD BELOW, WHICHEVER IS GREATER. FIELD TESTING OF THE ADHESIVE BONDING SYSTEM IS NOT REQUIRED.

ANCHOR DESIGN YIELD LOAD: 15 KIPS.

FOR BEARING KEEPER PLATE, SEE SPECIAL PROVISIONS.

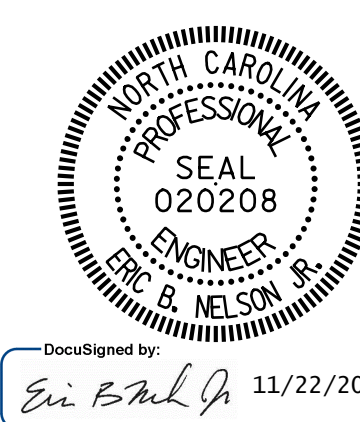


BEARING KEEPER PLATE DETAIL



EXISTING CONDITIONS

PROJECT NO. I-5997  
WAKE COUNTY  
 BRIDGE NO. 910260



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**KEEPER PLATE LAYOUT  
 DETAILS**

DRAWN BY : E. TODD DATE : 09/2021  
 CHECKED BY : J. YANNACCONE DATE : 09/2021  
 DESIGN ENGINEER OF RECORD : R. NELSON DATE : 09/2021

PLANS PREPARED BY:  
**Gannett Fleming**  
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 Raleigh, NC 27603  
 (919) 420-7660  
 NC Lic. No. F-0270

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-24
1			3			TOTAL SHEETS
2			4			82