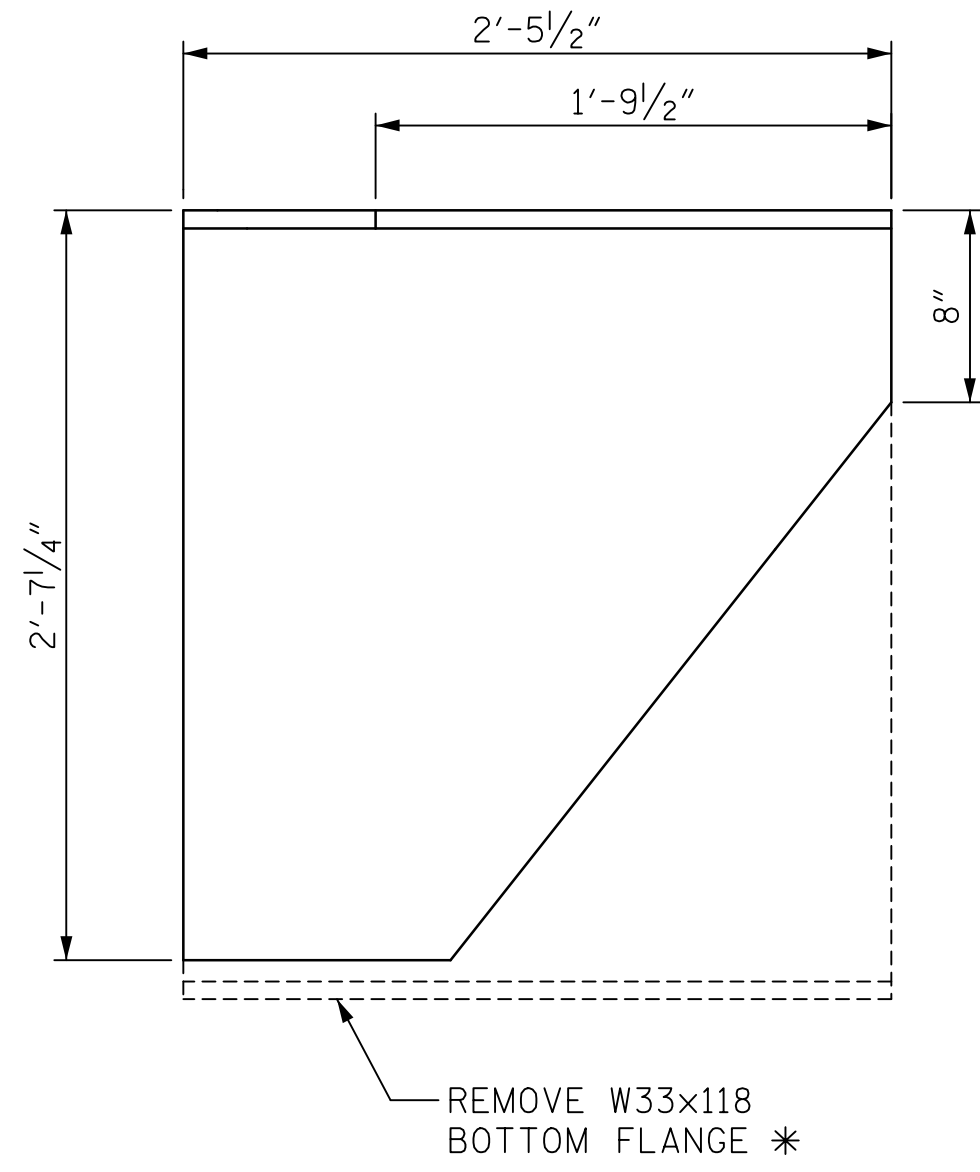
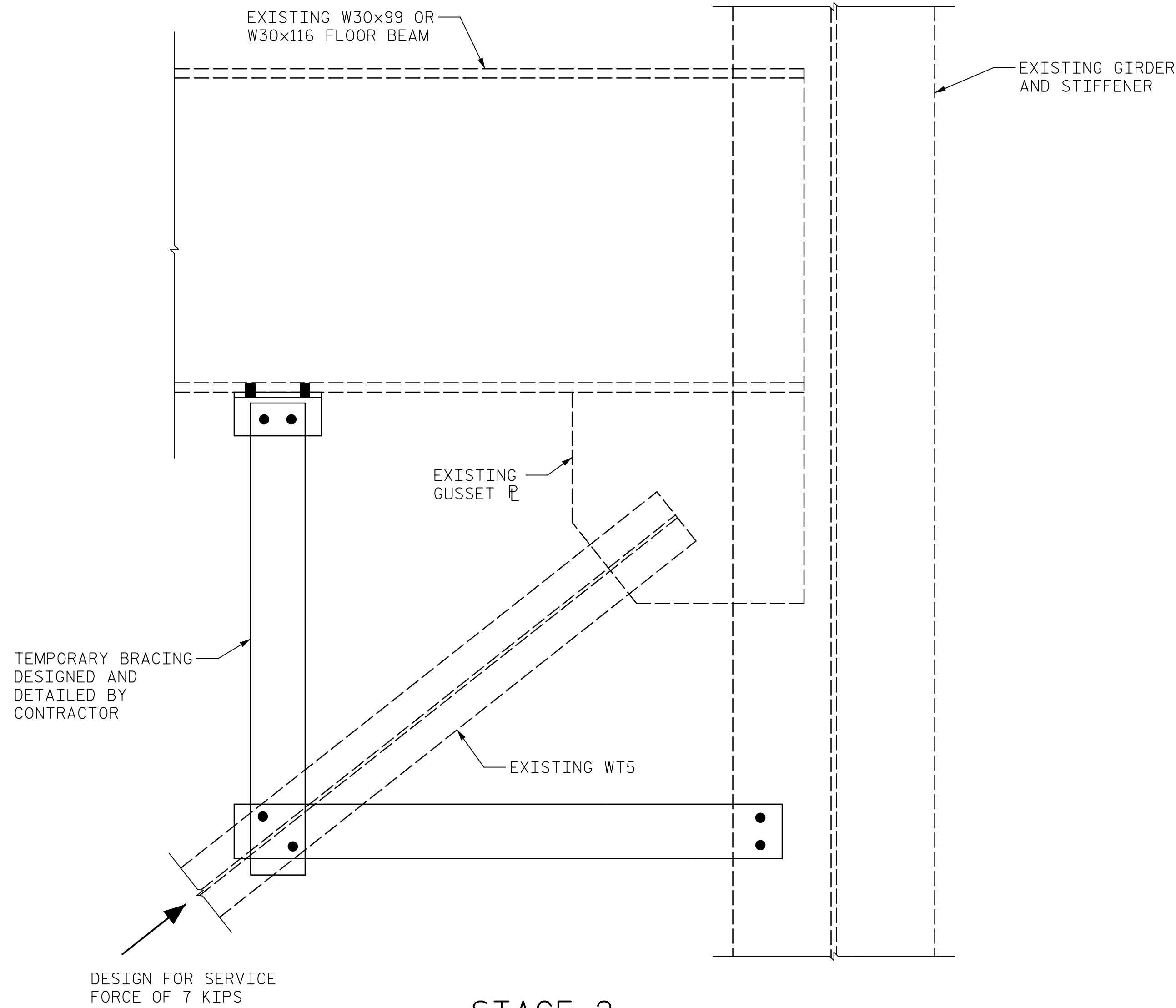


DATE: 2/27/2020
TIME: 3:50:03 PM

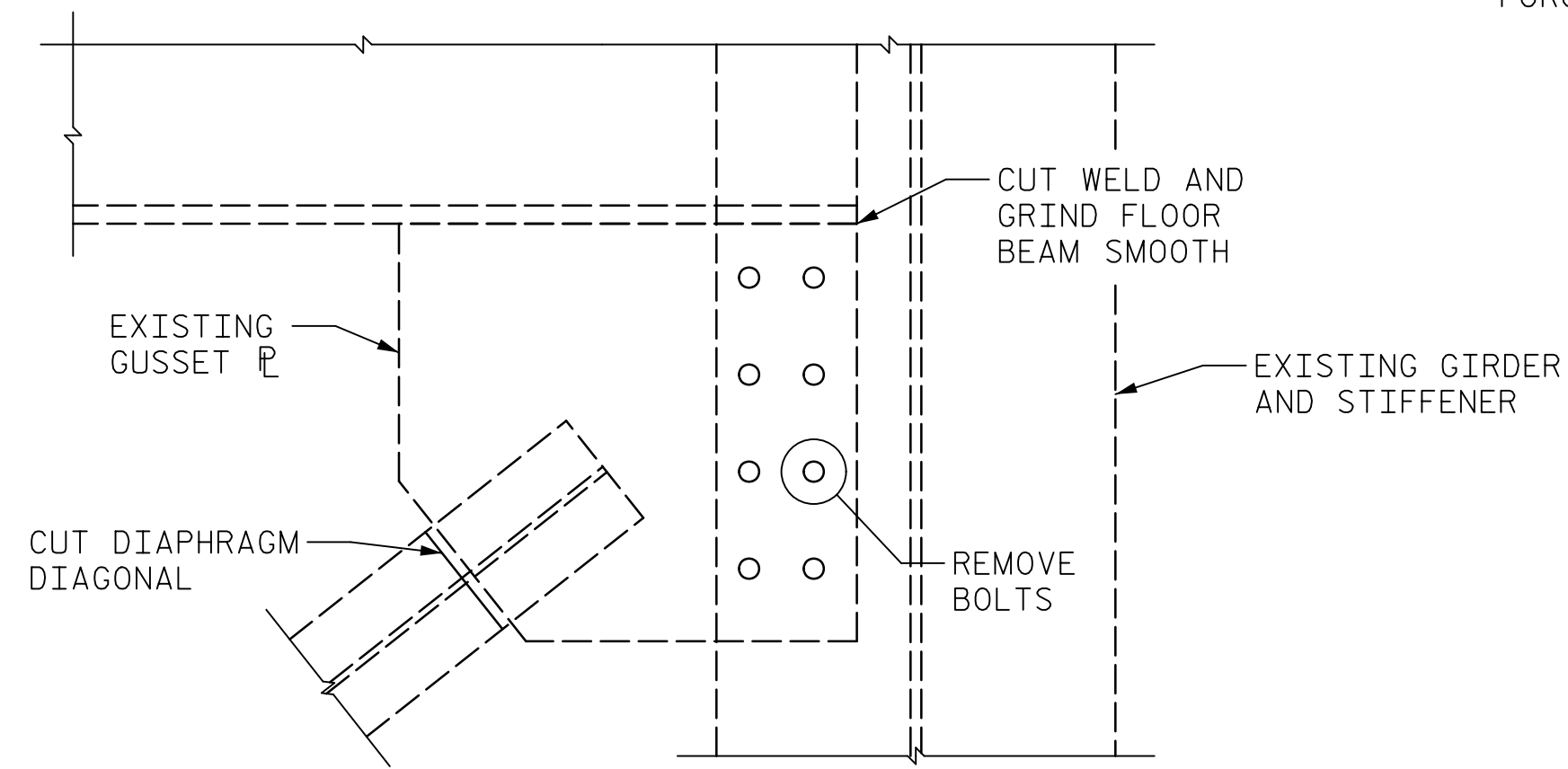


STAGE 1

* CONTRACTOR MAY BUILD UP THE TEE SECTION USING THE SAME SIZE PLATES AND A FULL PENETRATION WELD BETWEEN THE FLANGE AND THE WEB.

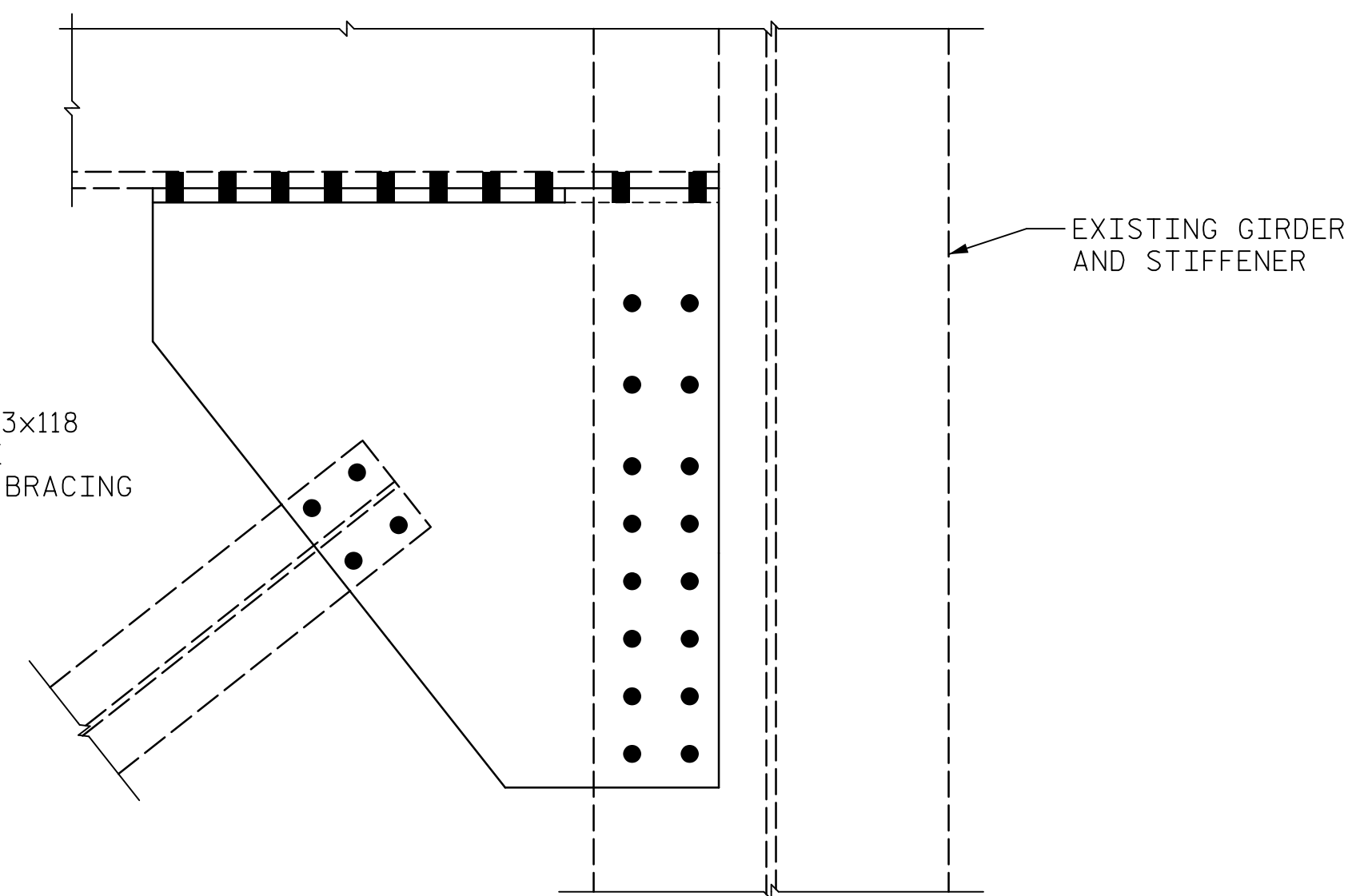


STAGE 2



STAGE 3

INSTALL W33x118 AND REMOVE TEMPORARY BRACING



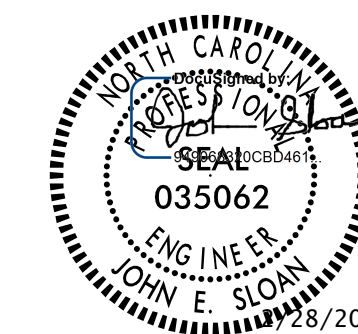
STAGE 4

FLOOR BEAM CONNECTION RETROFIT CONSTRUCTION SEQUENCE

1. PREPARE THE W33X118 CORBEL SECTION IN THE SHOP.
2. INSTALL DIAPHRAGM DIAGONAL SUPPORTS.
3. CUT THE DIAPHRAGM DIAGONAL AT THE EDGE OF THE GUSSET PLATE.
4. REMOVE THE BOLTS FROM THE EXISTING GUSSET PLATE.
5. CUT THE EXISTING GUSSET PLATE FROM THE FLOORBEAM AND GRIND THE FLOORBEAM FLANGE SMOOTH.
6. CLEAN CONTACT SURFACES TO SSPC-SP6 OR BETTER.
7. SET THE W33X118 SECTION IN PLACE.
8. INSTALL BOLTS TO CONNECT THE CORBEL TO THE GIRDER TRANSVERSE STIFFENER, THE FLOORBEAM, AND THE DIAPHRAGM DIAGONAL.
9. AFTER CUTTING THE DIAPHRAGM DIAGONAL, COMPLETE THE INSTALLATION OF THE FLOORBEAM CONNECTION RETROFIT IN ITS ENTIRETY AT ONE LOCATION BEFORE CUTTING A DIAGONAL AT ANOTHER LOCATION, INCLUDING THE OPPOSITE DIAGONAL AT THE SAME FLOORBEAM.

PROJECT NO. 15BPR.20
HENDERSON COUNTY
 STATION: 35+30.22 -L-

SHEET 2 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 STRUCTURAL STEEL
 FLOOR BEAM CONNECTION
 RETROFIT SEQUENCE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-75
1			3			TOTAL SHEETS
2			4			129

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY : S.G. STREDNAK DATE : 04/2019
 CHECKED BY : J.E. SLOAN DATE : 04/2019
 DESIGNED BY : D.S. TUTTLE DATE : 04/2019
 DESIGN CHECKED BY : J. LIU DATE : 04/2019

USER: MerchAssessm... Drawings\401_139_15BPR20_SML06.dgn