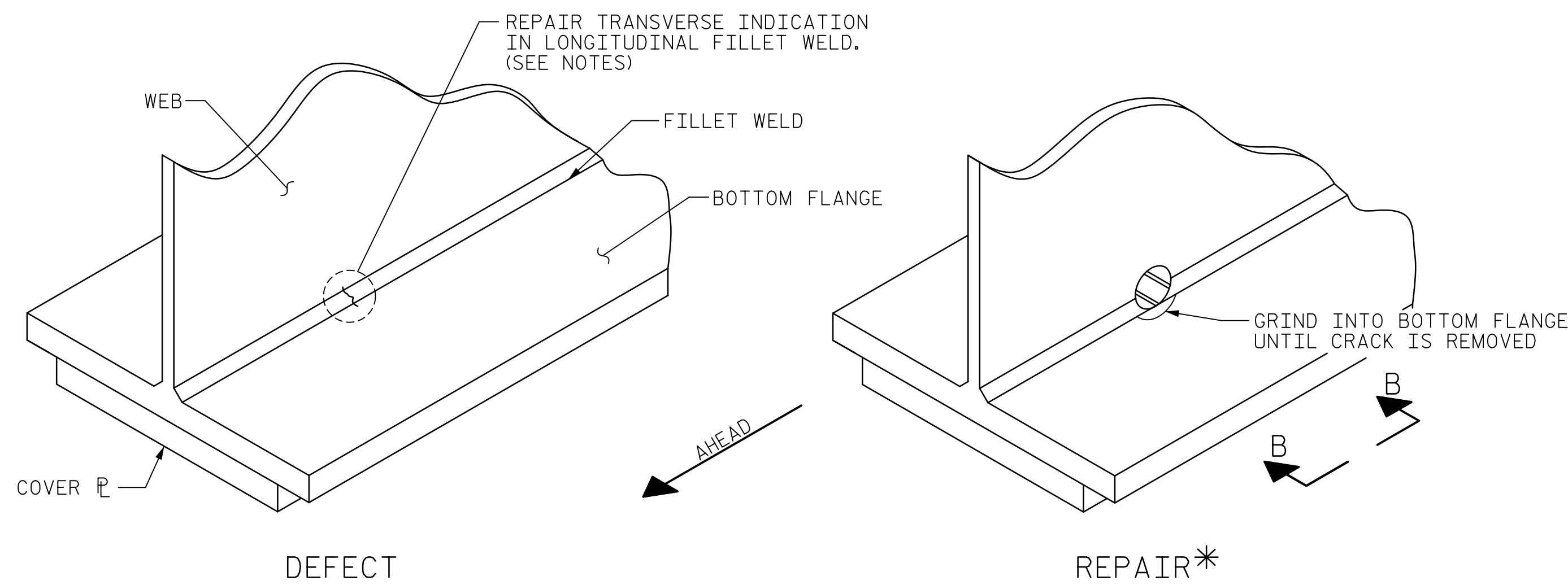
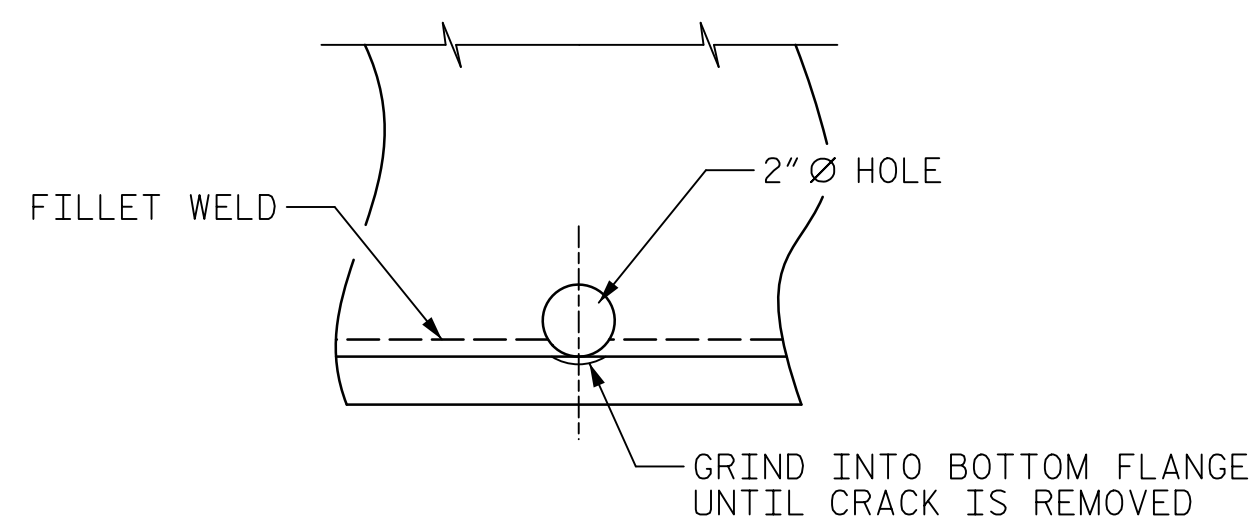


PHOTO



ISOMETRIC VIEW



VIEW B-B\*

**WELD REPAIR #W3**

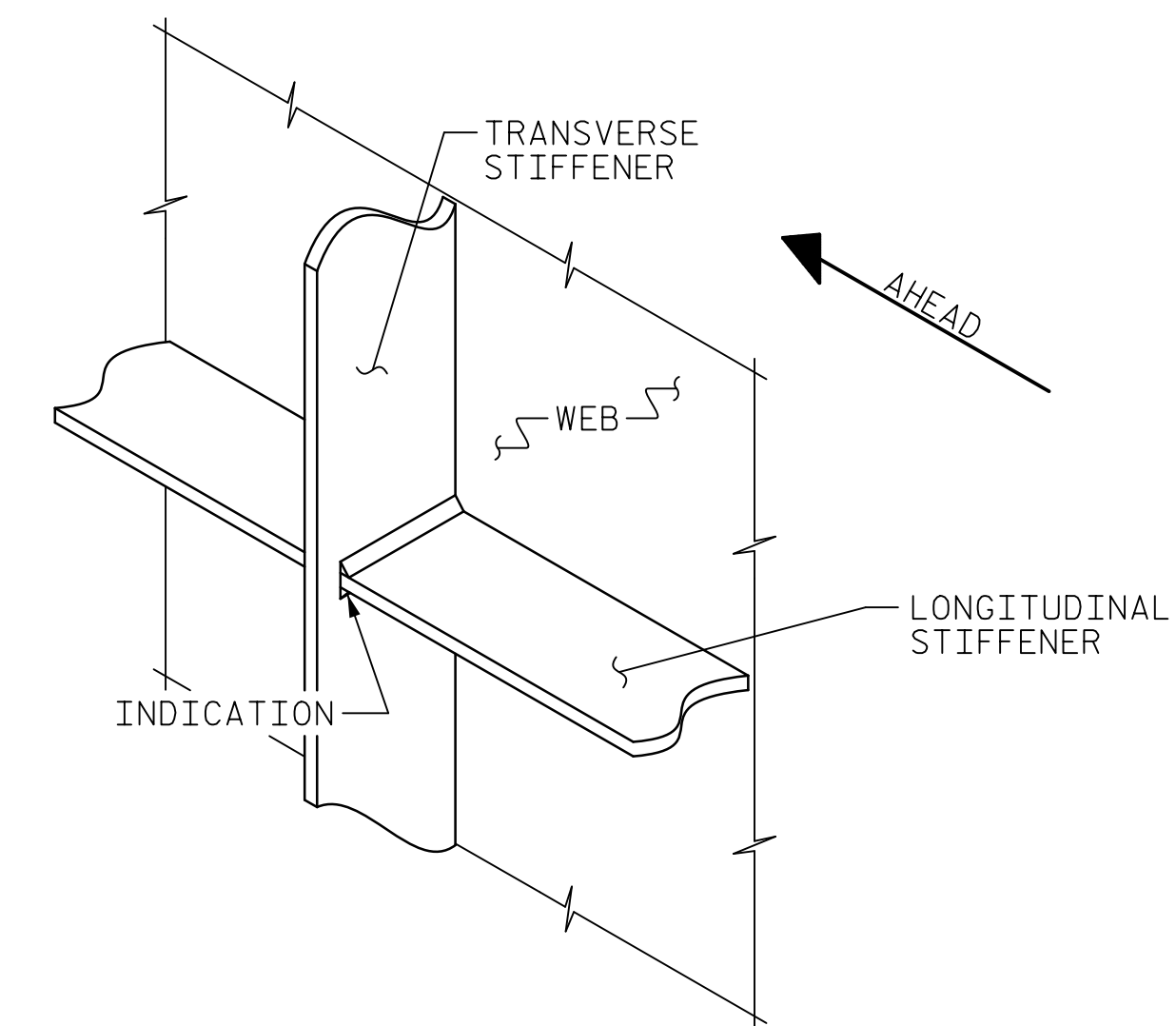
COMPLETE WELD REPAIR #W3 PRIOR TO PLACING DECK FORMWORK IN BAY 2.

- LOCATION SPAN C BEAM 4, WEB AT BOTTOM FLANGE 5FT WEST OF PANEL POINT 20.
- REPAIR PROCEDURE:
1. CONTRACTOR SHALL ASSIST ENGINEER TO PERFORM NDT AND DETERMINE EXISTENCE AND EXTENTS OF CRACKING.
  2. CONTRACTOR SHALL REMOVE EXISTING CRACK BY GRINDING WITH A SMOOTH PROFILE UP TO 1/8" DEEP OR A DEPTH AS DIRECTED BY ENGINEER.
  3. IF ENGINEER DETERMINES NECESSARY AFTER NDT, DRILL A 2" Ø HOLE IN GIRDER WEB AS SHOWN, CENTERED AT THE INDICATION AND IN TANGENT WITH BOTTOM FLANGE.
  4. CONTRACTOR SHALL REMOVE REMAINING CRACK BY GRINDING WITH A SMOOTH PROFILE TO A DEPTH AS DIRECTED BY ENGINEER.
  5. ENGINEER SHALL CHECK ALONG GROUND SURFACE TO ASSURE COMPLETE REMOVAL OF EXISTING CRACK.
  6. CONTRACTOR SHALL GRIND SMOOTH ANY SURFACE SCRATCHES OR NOTCHES PER INSTRUCTIONS OF ENGINEER.

\* IF NECESSARY, SEE REPAIR PROCEDURE



PHOTO



**WELD REPAIR #W4**

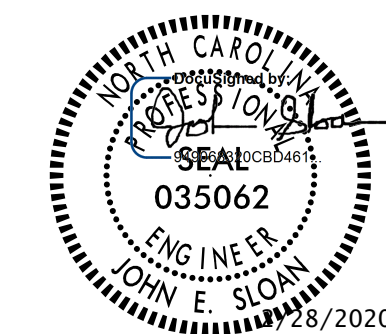
LOCATION SPAN C GIRDER 1, SOUTH FACE, EAST SIDE OF TOP LONGITUDINAL STIFFENER TO TRANSVERSE STIFFENER CONNECTION AT CROSSFRAME 19

- REPAIR PROCEDURE:
1. CONTRACTOR SHALL GRIND ALONG LOWER WELD TOE TO REMOVE THE APPARENT LACK OF WELD FUSION. CAUTION MUST BE TAKEN TO MAINTAIN A SMOOTH PROFILE AND NOT TO GOUGE ANY STEEL PLATE.
  2. ENGINEER SHALL CHECK AFTER GRINDING TO VERIFY COMPLETE REMOVAL OF EXISTING DEFECT AND DETERMINE ANY NEED FOR REPAIR.

**NOTES:**  
FOR WELD REPAIRS, SEE SPECIAL PROVISIONS.  
FOR PAY ITEMS, SEE SHEET 14 OF 14.

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

SHEET 5 OF 14



STATE OF NORTH CAROLINA  
**DEPARTMENT OF TRANSPORTATION**  
RALEIGH  
REHABILITATION  
**STRUCTURAL STEEL REPAIRS**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-85
1			3			TOTAL SHEETS
2			4			129

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DATE: 2/27/2020  
TIME: 3:57:42 PM

USER: Hersh Rosemond  
DN: R:\Structurals\04 Drawings\01\15BPR.20\_SML\_SRF.dgn

DRAWN BY : H. ROSEMOND	DATE : 2/2019
CHECKED BY : G. COLS	DATE : 2/2019
DESIGNED BY : J. SLOAN	DATE : 2/2019
DESIGN CHECKED BY : E. ZHOU	DATE : 2/2019