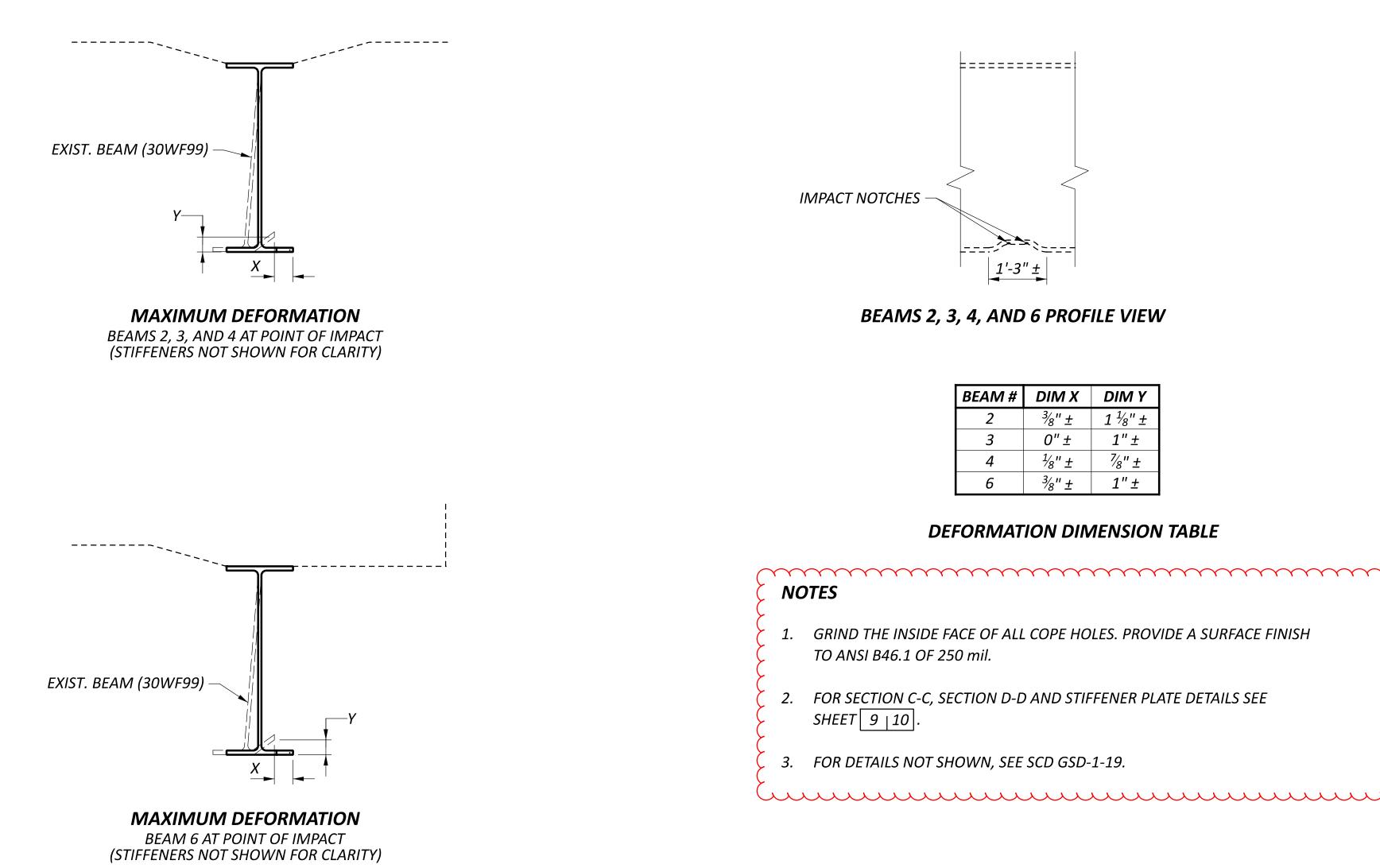


4

18.2

BEL



THAT MEET THE MINIMUM TOUGHNESS REQUIREMENTS AS SPECIFIED IN 711.01. 16. THE CONTRACTOR SHALL SEQUENCE WORK AS NEEDED FOLLOWING THE MAINTENANCE OF TRAFFIC PHASE CONSTRUCTIONS SHOWN ON THE PLANS. 17. THE CONTRACTOR SHALL NOT PERFORM FIELD PAINTING UNTIL ALL WELDING AND HEAT STRAIGHTENING ACTIVITIES HAVE BEEN COMPLETED.

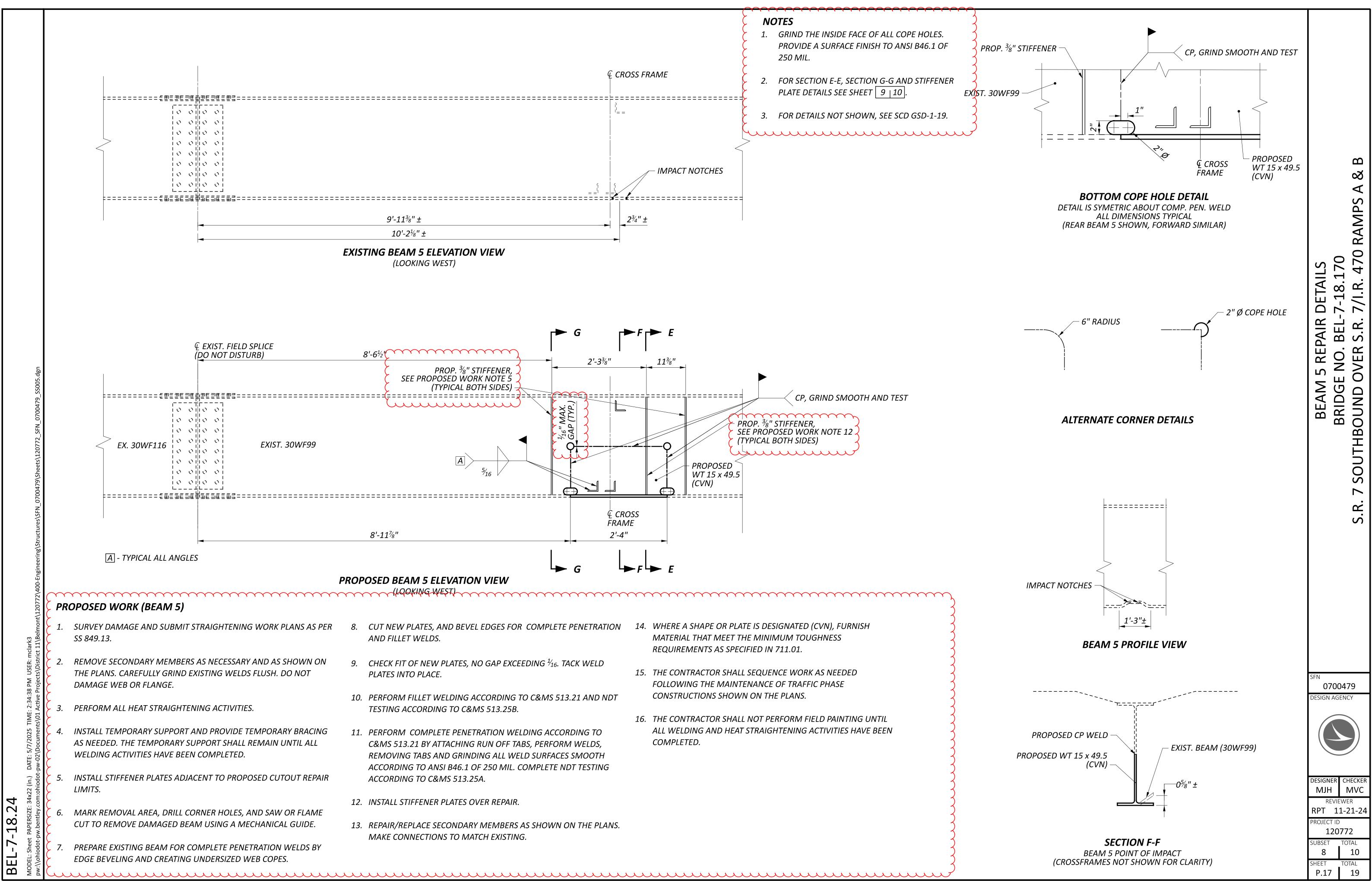
| BEAM # | DIM X | DIM Y |
|--------|---------------|-------|
| 2 | ¾″ <u>+</u> | 1 ½"± |
| 3 | 0" ± | 1"± |
| 4 | ½″± | 7∕8″± |
| 6 | ³⁄8″ <u>+</u> | 1"± |

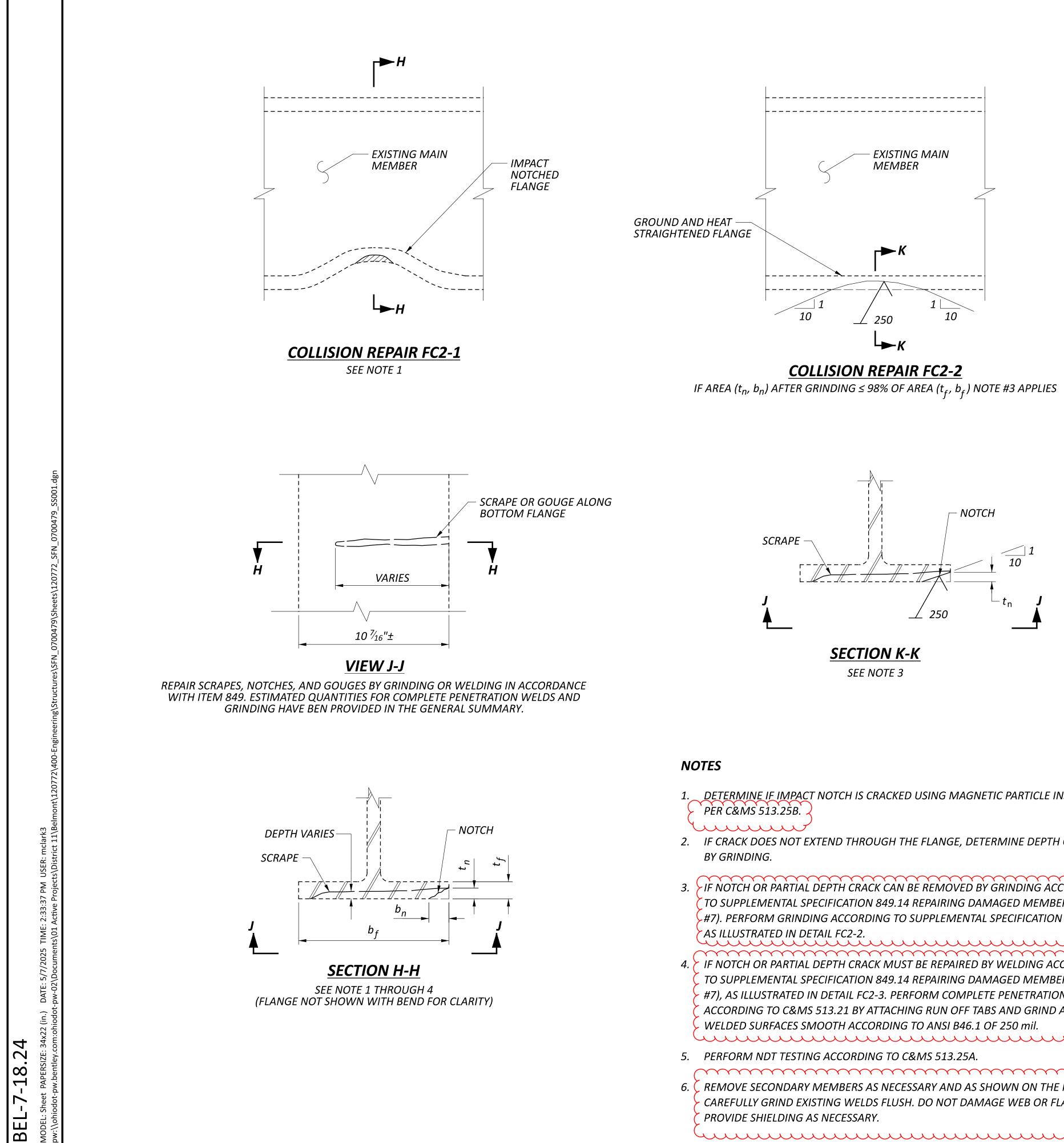
DEFORMATION DIMENSION TABLE

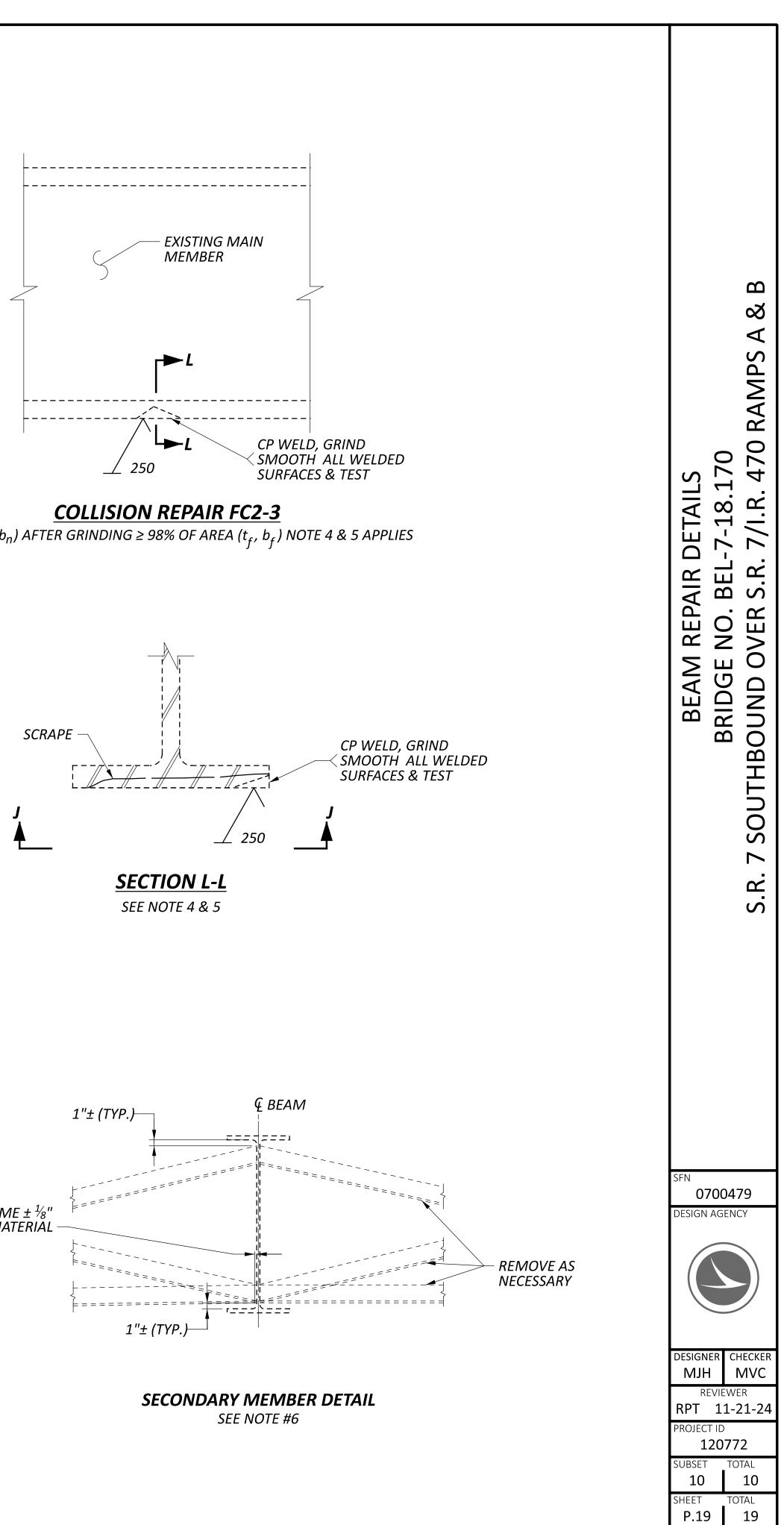
GRIND THE INSIDE FACE OF ALL COPE HOLES. PROVIDE A SURFACE FINISH

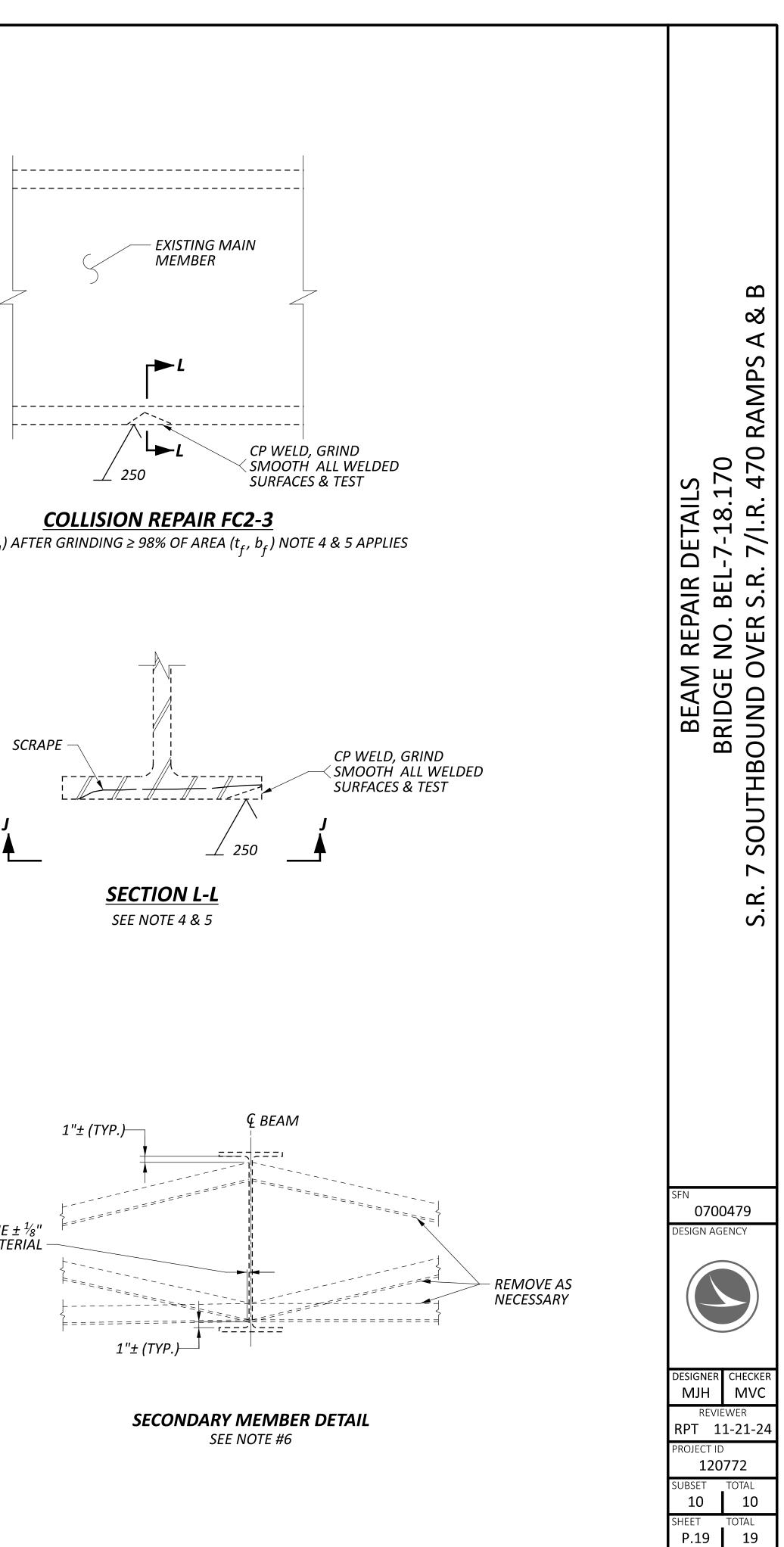
2. FOR SECTION C-C, SECTION D-D AND STIFFENER PLATE DETAILS SEE

| BEAM REPAIR DETAILS | BRIDGE NO. BEL-7-18.170 | S.R. 7 SOUTHBOUND OVER S.R. 7/I.R. 470 RAMPS A & B | |
|----------------------|---------------------------------------|--|--|
| SFN O Z | 70047 | | |
| | | | |
| RPT PROJEC | H I EVIEWE 11-2 T ID 2077 | 21-24 | |









| 1. 2. | DETERMINE IF IMPACT NOTCH IS CRACKED USING MAGNETIC PARTICLE INSPECTION PER C&MS 513.25B. IF CRACK DOES NOT EXTEND THROUGH THE FLANGE, DETERMINE DEPTH OF CRACK BY GRINDING. | |
|----------|---|----------------------|
| 3. | IF NOTCH OR PARTIAL DEPTH CRACK CAN BE REMOVED BY GRINDING ACCORDING TO SUPPLEMENTAL SPECIFICATION 849.14 REPAIRING DAMAGED MEMBERS (QCP #7). PERFORM GRINDING ACCORDING TO SUPPLEMENTAL SPECIFICATION 849 AND AS ILLUSTRATED IN DETAIL FC2-2. | CUT CROSS FROM MA |
| 4. | IF NOTCH OR PARTIAL DEPTH CRACK MUST BE REPAIRED BY WELDING ACCORDING TO SUPPLEMENTAL SPECIFICATION 849.14 REPAIRING DAMAGED MEMBERS (QCP #7), AS ILLUSTRATED IN DETAIL FC2-3. PERFORM COMPLETE PENETRATION WELDING ACCORDING TO C&MS 513.21 BY ATTACHING RUN OFF TABS AND GRIND ALL WELDED SURFACES SMOOTH ACCORDING TO ANSI B46.1 OF 250 mil. | |
| 5. | PERFORM NDT TESTING ACCORDING TO C&MS 513.25A. | |
| 6. | REMOVE SECONDARY MEMBERS AS NECESSARY AND AS SHOWN ON THE PLANS. CAREFULLY GRIND EXISTING WELDS FLUSH. DO NOT DAMAGE WEB OR FLANGE. PROVIDE SHIELDING AS NECESSARY. | |

