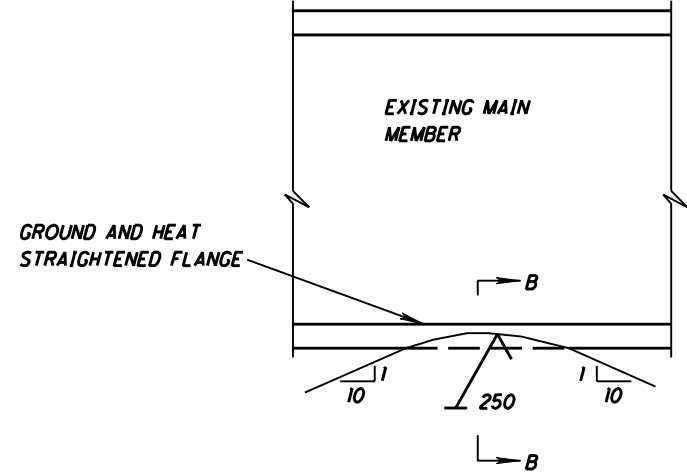


COLLISION REPAIR FC2-1
SEE NOTE 1

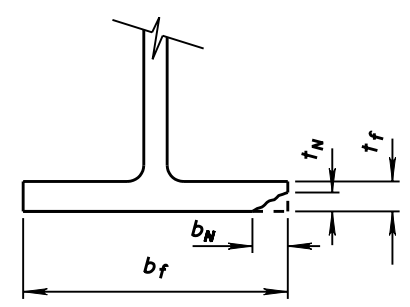


COLLISION REPAIR FC2-2
IF AREA (t_n, b_n) AFTER GRINDING \leq 98% OF AREA (t_f, b_f) NOTE #3 APPLIES

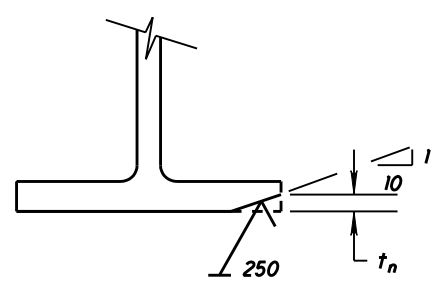
1. DETERMINE IF IMPACT NOTCH IS CRACKED USING MAGNETIC PARTICLE INSPECTION
2. IF CRACK DOES NOT EXTEND THROUGH THE FLANGE. DETERMINE DEPTH OF CRACK BY GRINDING
3. IF NOTCH OR PARTIAL DEPTH CRACK CAN BE REMOVED BY GRINDING ACCORDING TO SUPPLEMENTAL SPECIFICATION 849, REPAIR DAMAGED MEMBERS. PERFORM GRINDING ACCORDING TO SUPPLEMENTAL SPECIFICATION 849 AND AS ILLUSTRATED IN DETAIL FC2-2
4. IF NOTCH OR PARTIAL DEPTH CRACK MUST BE REPAIRED BY WELDING ACCORDING TO SUPPLEMENTAL SPECIFICATION 849 REPAIRING DAMAGED MEMBERS, 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 μ i
5. PERFORM NDT TESTING ACCORDING TO C&MS 513.25A

TABLE #3 513 REPAIRS									
DAMAGED AREA No.	MEMBER LINE No. A	PIER OR ABUTMENT	DIM. C	REPAIR DETAIL TYPE	DRILLING HOLES (EACH)	COPE HOLES (EACH)	STEEL MEMBER LEVEL UP (POUNDS)	CP WELD (FEET)	FILLET WELD (FEET)
				FC2					

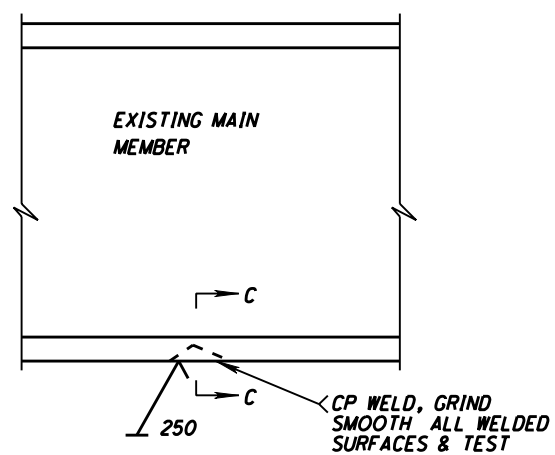
SEE PARTIAL FRAMING PLAN FOR DIMENSION C



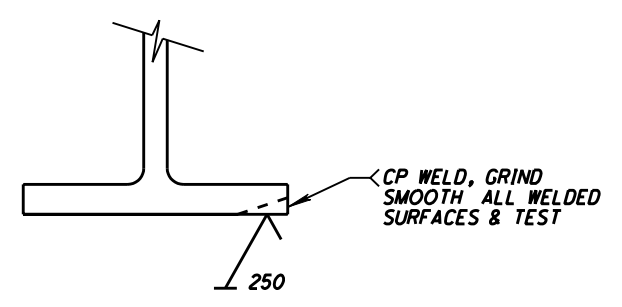
SECTION A-A
SEE NOTE 1 THROUGH 4
FLANGE NOT SHOWN WITH BEND FOR CLARITY



SECTION B-B
SEE NOTE 3



COLLISION REPAIR FC2-3
IF AREA (t_n, b_n) AFTER GRINDING \geq 98% OF AREA (t_f, b_f) NOTE 4 & 5 APPLIES



SECTION C-C
SEE NOTE 4 & 5