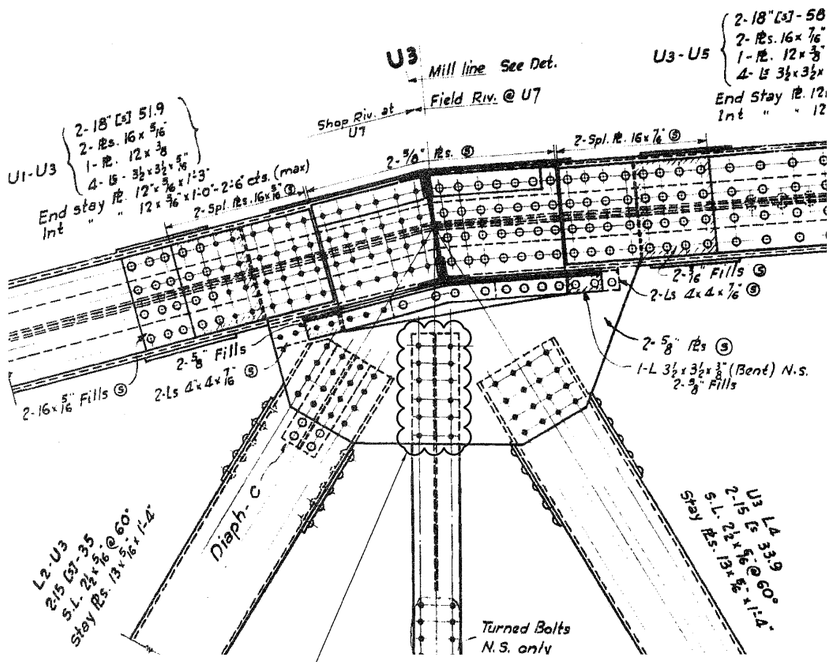
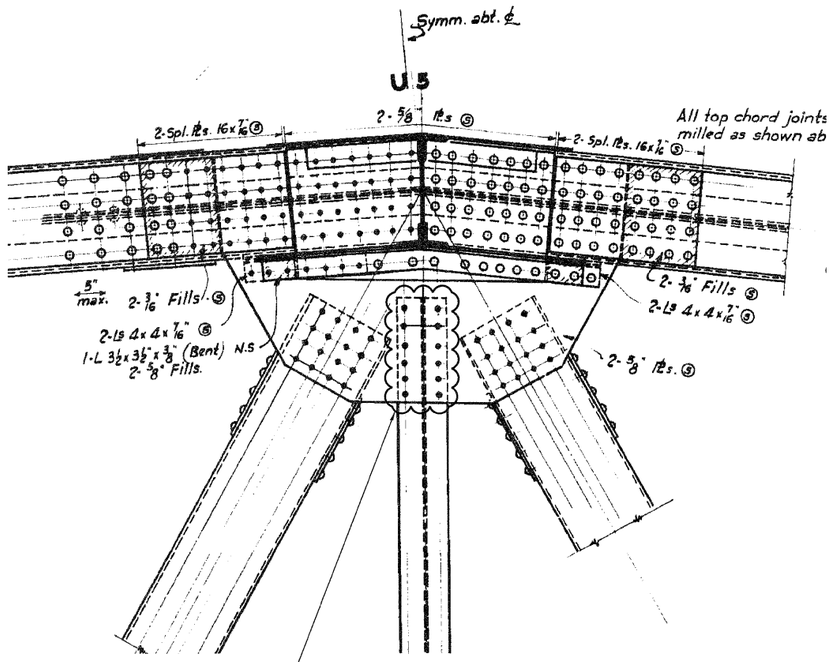


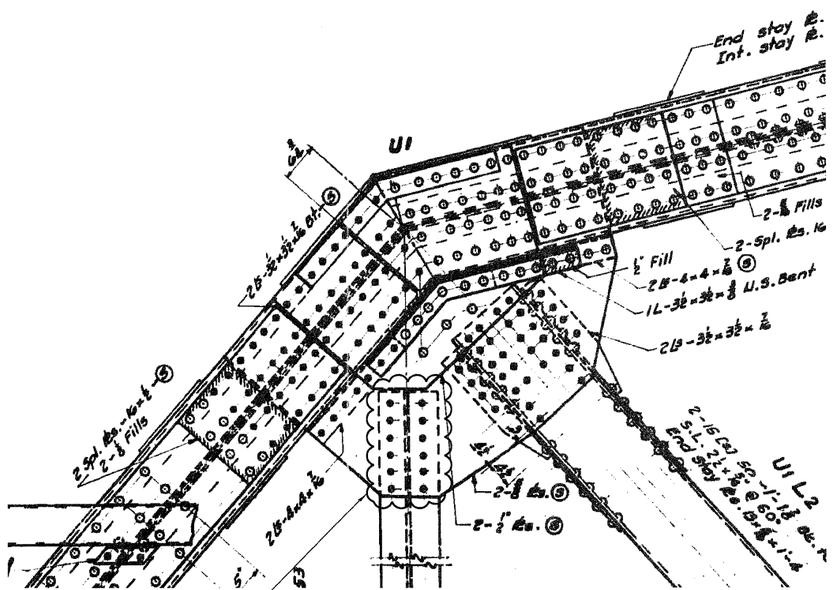
Replace rivets with 7/8" ϕ H.S. Bolts. One at a time (Total N.S. and F.S. = 96)

RIVET REPLACEMENT
U3E / U3W
U7E / U7W



Replace rivets with 7/8" ϕ H.S. Bolts. One at a time (Total N.S. and F.S. = 48)

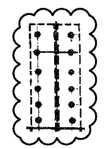
RIVET REPLACEMENT
U5E / U5W



Replace rivets with 7/8" ϕ H.S. Bolts. One at a time (Total N.S. and F.S. = 96)

RIVET REPLACEMENT
U1E / U1W
U9E / U9W

LEGEND:



Indicates rivets to be removed and replaced with 7/8" ϕ H.S. Bolts

BILL OF MATERIALS

ITEM	UNIT	TOTAL
Rivet Removal and Replacement	Each	240

NOTES:

1. Existing rivets adjacent to members to remain shall not be burned off. All rivet removal shall be paid for as "Rivet Removal and Replacement" in accordance with Special Provision for Rivet Removal and Replacement.
2. Repairs should include but not be limited to the areas shown. The actual areas to be determined by the Engineer at the time of Construction.
3. For Repair Notes see Sheet S-17.

N:\PROJ\03398.00\Design\Structural\CAD\03398.00 21 Steel Repairs XII.dgn

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CONSULTING ENGINEERS
5507 North Cumberland Avenue
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Email chicago@clorba.com

USER NAME = akhan	DESIGNED - DL	REVISED -
	CHECKED - BWS	REVISED -
PLOT SCALE = 1.000000 ' / in.	DRAWN - RD	REVISED -
PLOT DATE = 9/9/2011	CHECKED - BWS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL REPAIR XII
STRUCTURE NO. 016-0421
SHEET NO. S-21 OF S-27 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	3068 A-B-R-1	COOK	57	44
		CONTRACT NO.	60N88	
	ILLINOIS	FED. AID PROJECT		