From: "Mckinney.Kris" <Kris.Mckinney@we-energies.com>
To: "'Stacey Imboden'" <SXF@nrc.gov>
Date: 7/19/04 4:04PM
Subject: Response to the open items from the June 16-17, 2004 NRC environmental audit at Point Beach Nuclear Plant

Attached is our response to the license renewal information requests resulting from the June 16 and 17, 2004, environmental audit at Point Beach Nuclear Plant.
Please contact me at 414-221-2157 if you have any questions about this submittal or need any additional information.

<<PB Env Audit - Response to Open Items.pdf>> <<Climate & Meteorology Info.pdf>> <<T-Line H Frame Drawings.pdf>> <<Leased Farmland Map.pdf>>

CC: "'schumannp@lanl.gov'" <schumannp@lanl.gov>, "Knorr.Jim (NMC)" <Jim.Knorr@nmcco.com>

Point Beach Nuclear Plant, Units 1 and 2
Environmental Audit Requests

1. Distance to the nearest residential/commercial receptors, and a discussion of the local meteorology and climate. Information provided should include any available discussion of general weather information, such as temperature ranges, precipitation (both rain and snowfall) ranges, and other meteorological data.

   Response: Section 2.3 of the PBNP Updated Final Safety Analysis Report (UFSAR) provides information on the locations of residential and commercial receptors. The nearest residence is located within one mile of the plant. Section 2.6 of the UFSAR provides information on the local meteorology and climate. The UFSAR was submitted to NRC as part of the PBNP License Renewal Application on February 25, 2004. A summary of the climate and meteorological information is attached.

2. Copy of a "wind rose" for the facility, representing patterns of wind speed and direction.

   Response: Wind Rose data was provided to NRC during the environmental audit. This data is included in Section 2.6 of the UFSAR, which was submitted to NRC as part of the PBNP License Renewal Application on February 25, 2004.

3. H-frame schematics for PBNP transmission lines.

   Response: A copy of the H-frame schematic is attached.

4. A description of the process or procedure by which plant activities, specifically ground-disturbing activities, are reviewed for cultural resources considerations and any procedures dealing with inadvertent discoveries of archaeological materials and human remains during routine operations and maintenance.

   Response: The PBNP Site Specific Design Input Checklist , form number PBF-1584, requires a review by the We Energies Environmental Department for any work involving environmental permits or requiring state approval. PBNP is updating this checklist to require review by the We Energies Environmental Department prior to any ground-disturbing activity outside the area previously disturbed by plant construction. The We Energies Environmental Department uses an environmental screening information checklist to ensure that projects are reviewed for potential impacts on historic and cultural resources. The We Energies checklist requires consultation with the State Historic Preservation Officer prior to disturbance of known or suspected resources and upon discovery of unanticipated resources.

5. Description of the environmental review process regarding archaeological sites and historic properties. Specifically, how does the applicant satisfy requirements for consulting with the State Historic Preservation Officer (SHPO) in the event of

any needed ground-disturbing activities or in the event of an unanticipated discovery of archaeological material?

Response: See Item 4.

6. Map or aerial photo of leased farm lands (We Energies leased land) scheduled for cultural resources survey.

   Response: An aerial photo showing the leased farm lands is attached.

7. Proposed Cultural Resources Inventory Plan – Draft or summary.

   Response: An historic preservation consultant is preparing a report regarding the potential historic significance of a building (fisherman's shed) located in the owner controlled area. In addition, the We Energies leased land identified in item 6 is currently being surveyed by an archaeological consultant.

8. A copy of Wisconsin Electric's Economic Analysis of the License Renewal for the Point Beach Nuclear Plant, which was submitted to the Public Service Commission of Wisconsin in December 2003.

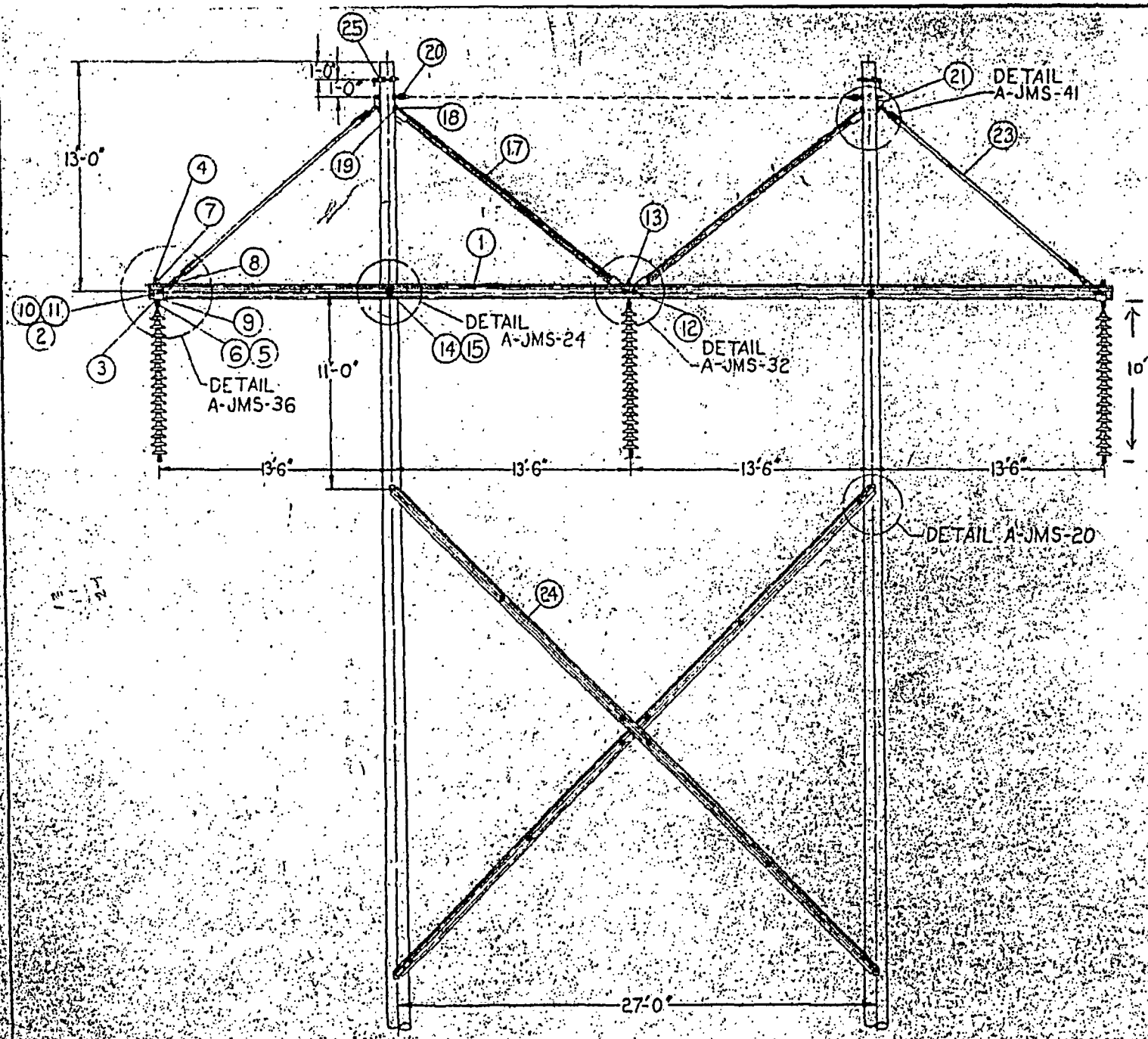
   Response: A copy of Wisconsin Electric's Economic Analysis of the License Renewal for the Point Beach Nuclear Plant was transmitted via Email to Chip Cameron and John Tappert on June 8, 2004.

9. New and Significant information available.

   Response: PBNP provided a summary description of the new and significant information identification process in Chapter 5 of the Environmental Report. During the environmental site audit, NMC made available for NRC review, the PBNP New and Significant Information Report. The report includes a detailed description of the process used by PBNP to identify any new and significant information at the plant and notes that no new and significant information was identified. At the time that the report was prepared, communication with the Wisconsin State Historic Preservation Office was ongoing. Communication with the Wisconsin State Historic Preservation Office did not identify any new and significant information.

PBNP Meteorology and Climate

The climate of the region is primarily continental in character, greatly influenced by the easterly flow of storms along the northern portion of the country and from the southwest to the Great Lakes. Lake Michigan acts as a moderating influence in spring, summer, and fall. The site is well ventilated with infrequent calms. Prevailing winds during spring and summer are lake breezes from the north-northeast. Beginning in the summer, a flow from the South-Southwest appears which is reinforced in the fall by overland flows from west-southwest and west-northwest. During winter the flow is from the sector northwest through south-southwest. Average wind speeds at the site are approximately 10 miles per hour. Extreme winds are not expected to exceed 108 miles per hour more than once in 100 years. Summertime temperatures exceed 90°F for 6 days on the average. Freezing temperatures occur 147 days and below zero on 14 days of the winter on the average. Rainfall averages about 28 inches per year with 55 percent falling in the months of May through September. Snowfall averages about 45 inches per year (PBNP 2002, Section 2.6).



DETAIL DWGS.
A-JMS-20
A-JMS-24
A-JMS-36
A-JMS-41
A-JMS-32

					JOSLYN MFG. & SUPPLY CO. - CHICAGO, ILL.	
					T-26556	345 KV. TYPE 6A
					D.R.B. CHECKED	TANGENT STRUCTURE
		A	11-23-64	REV. TI & REMOVED ITEM 22	1/4"-1'0"	
PREP.	CHK.	REV.	DATE		10-5-64	WEP64-19

JOSLYN MFG. & SUPPLY CO.
10-9-64 Rev. 12-18-64

Dwg. WEP64-19: 10-5-64
Wisconsin Electric Power Co.
345 Kv Type "A"
Tangent Structure

BILL OF MATERIAL

Item	Quan.	Description
		DOUBLE PLANK ARM AND ASSOCIATED HARDWARE
1	2	5-1/4 x 9-5/8" x 55'-0" laminated fir arm dwg. WEP64-25 (@2)
2	4	J6094 4" Teco shear plate 15/16" hole
3	2	3/8 x 4" double arming plate dwg. #22690.5 A = 22-1/2" B = 7-1/4"
4	2	4 x 4 x 3/8" double arming angle dwg. #22691.5 A = 22-1/2" B = 7-1/4"
5	2	1 x 9-3/4" pipe spacer #22679.1
6	2	7/8 x 12" shoulder eyebolt #21747.12 square and M-F
7	4	3/4 x 12" machine bolt sq. and M-F locknut
8	2 pr.	J22058 3/8 x 3" connecting link
9	2 sets	J22557.4 bonding angle clip
10	2	7/8 x 28" double arming bolt (4) square and (4) M-F locknuts
11	4	J3542 7/8" spring washer
12	1	Special J6121 adjustable spacer fitting A = 5-1/16" B = 2-5/8" 9/16" vertical, 5/8" tapped horizontal holes
13	2	1/4 x 5" x 9" saddle dwg. #22694
14	2	*7/8 x 30" D.E. bolt (2) washernuts and (2) M-F locknuts and (1) J22327 ground clip
15	4	*J22585 single curve spiked grid with pigtail
		BRACING AND ASSOCIATED HARDWARE
17	2 (2)	#22637 Vee brace 16' - 6-5/8" m.h.c. 15/16" m.h. one end and 13/16" m.h. other end
18	2	*7/8 x 14" machine bolt sq. and M-F nut
19	6	*J6064A single curve grid plate
20	2	*7/8 x 16" clevis bolt with welded washer sq. and M-F locknut assembled with (1) J22286 roller and (1) J22327 ground clip Dwg. #22715.14
21	2	*J22595 brace mounting tee
23	2 (16)	J21852 2-1/4 x 3-3/4" adjustable Apitong strain brace 15'-4-1/2" ± 4" m.h.c. 1" clevis bolt each end
24	1 Set (8) 1 w/o End Fitting	X-brace for 27'-0" pole spacing dwg. WEP64-28, to include: (4) pcs. 3-5/8 x 7-1/2" x (37'-10") fir arm with assembled end fittings *(2) 1 x 24" double end bolt (2) square and (2) M-F locknuts *(2) 1 x 22" double end bolt (2) square and (2) M-F locknuts *(8) J22533-2 Grid plate with 1-1/16" center hole *(4) 3/4 x 28" D.A. bolt (4) washernuts and (4) M-F locknuts *(4) 3/4 x 30" D.A. bolt (4) washernuts and (4) M-F locknuts
		SHIELD WIRE SUPPORT
25	2	*J22615.25 shield wire support complete

*Item to be kit packaged

JOSLYN MFG. AND SUPPLY CO. ORDER NO._____ DATE 11-24-64 SHOP ORDER_____

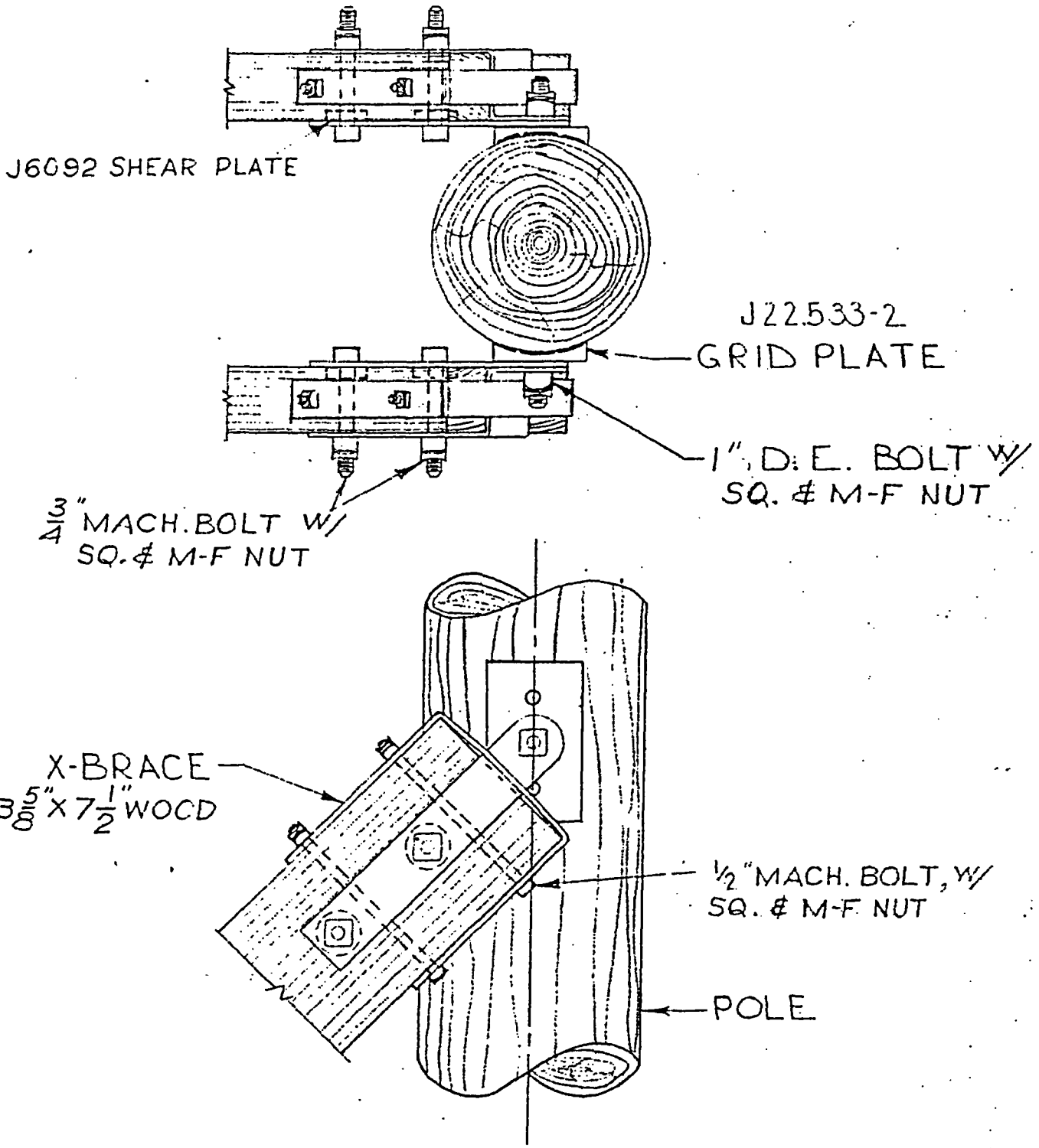
DWG. NO. WEP64-19 REV. 12-18-64 CATALOG NO._____ REQUIRED_____

DESCRIPTION TYPE "A" TANGENT KIT PACKAGE TO INCLUDE:

CUSTOMER WISCONSIN ELECTRIC POWER CO. SHEET 1 OF 1

BILL OF MATERIAL

TOTAL QUAN.	ITEM	UNIT QUAN.	DWG.	DESCRIPTION	DISPOSITION	
✓		2		7/8 x 30" D.E. bolt (2) W.N. and (2) M-F locknuts		
				and (1) J22327 ground clip		
✓		4	22585	Spiked grid with steel pigtail		
✓		2		7/8 x 14" machine bolt sq. and M-F nut		
✓	J6064A	6		Single curve grid plate		
✓	J22715.14	2	22715	7/8 x 15" clevis bolt with welded washer sq. and		
				M-F nut assem. with (1) J22286 roller and (1)		
				J22327 ground clip.		
✓		2	22595	Brace mounting tee		
✓		2		1 x 22" D. E. bolt (2) sq. and (2) M-F locknut		
✓		2		1 x 24" D.E. bolt (2) sq. and (2) M-F locknut		
✓	J22533-2	8		Grid plate with 1-1/16" center hole		
✓		4		3/4 x 28" D.A. bolt (4) W.N. and (4) M-F locknut		
✓		4		3/4 x 30" D.A. bolt (4) W.N. and (4) M-F locknut		
✓	J22615.25	2	22615	Shield wire support		



NO.	REVISION	DATE	CK.
A	REV. GRID + BOLTS	11-20-64	JD

UNSPECIFIED DIMENSIONAL TOLERANCES
FRACTIONAL ± DECIMAL ± ANGULAR ±

SUPERSEDES

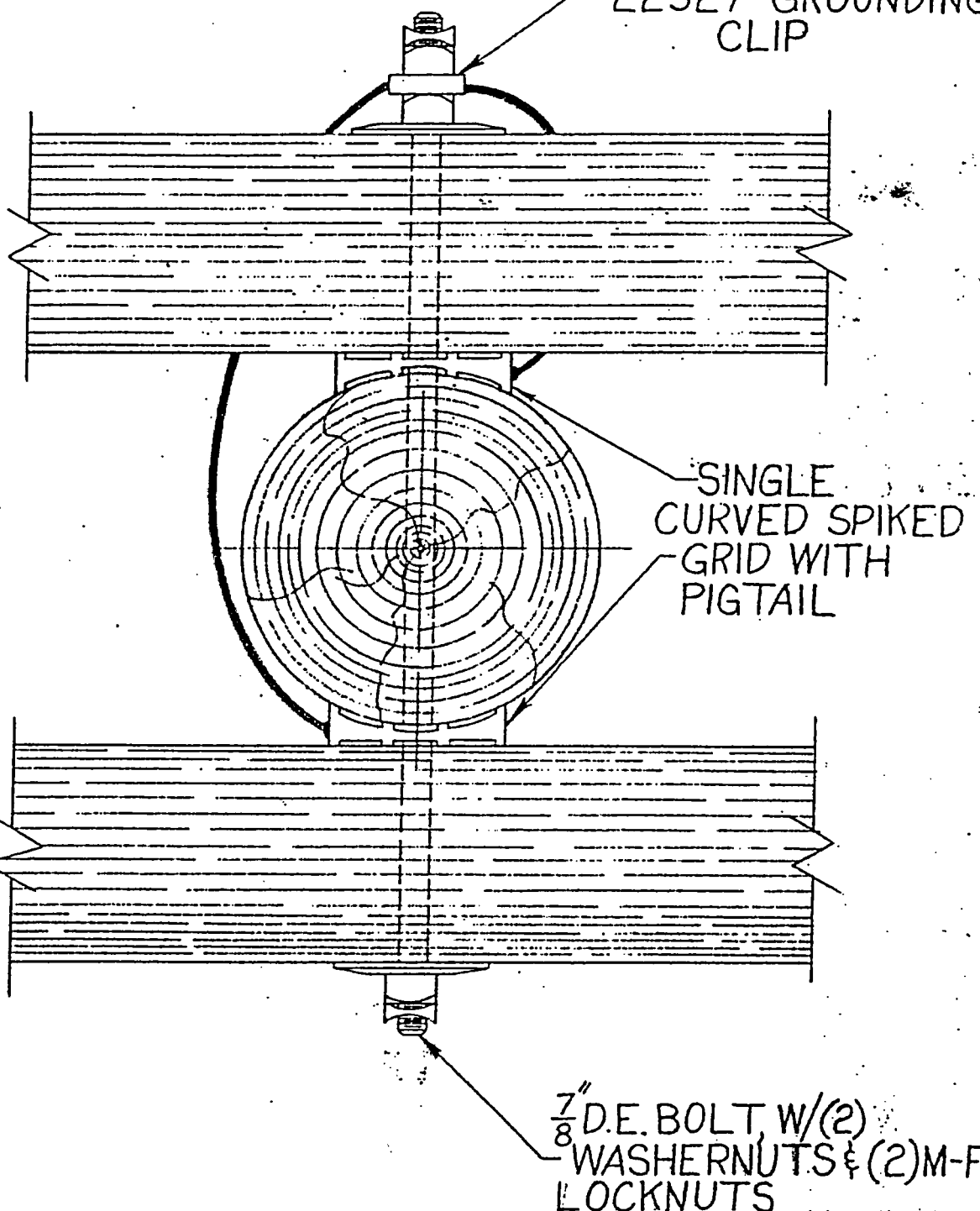
APPROVED | CHECKED | DRAWN JK

JOSLYN MFG. AND SUPPLY CO.
MORGAN ST. DIVISION
CHICAGO, ILLINOIS

X-BRACE MOUNTING DETAIL

DATE 8-24-64
SCALE

A-JMS-20



NO.	REVISION	DATE	CK.

UNSPECIFIED DIMENSIONAL TOLERANCES
FRACTIONAL ± DECIMAL ± ANGULAR ±

SUPERSEDES

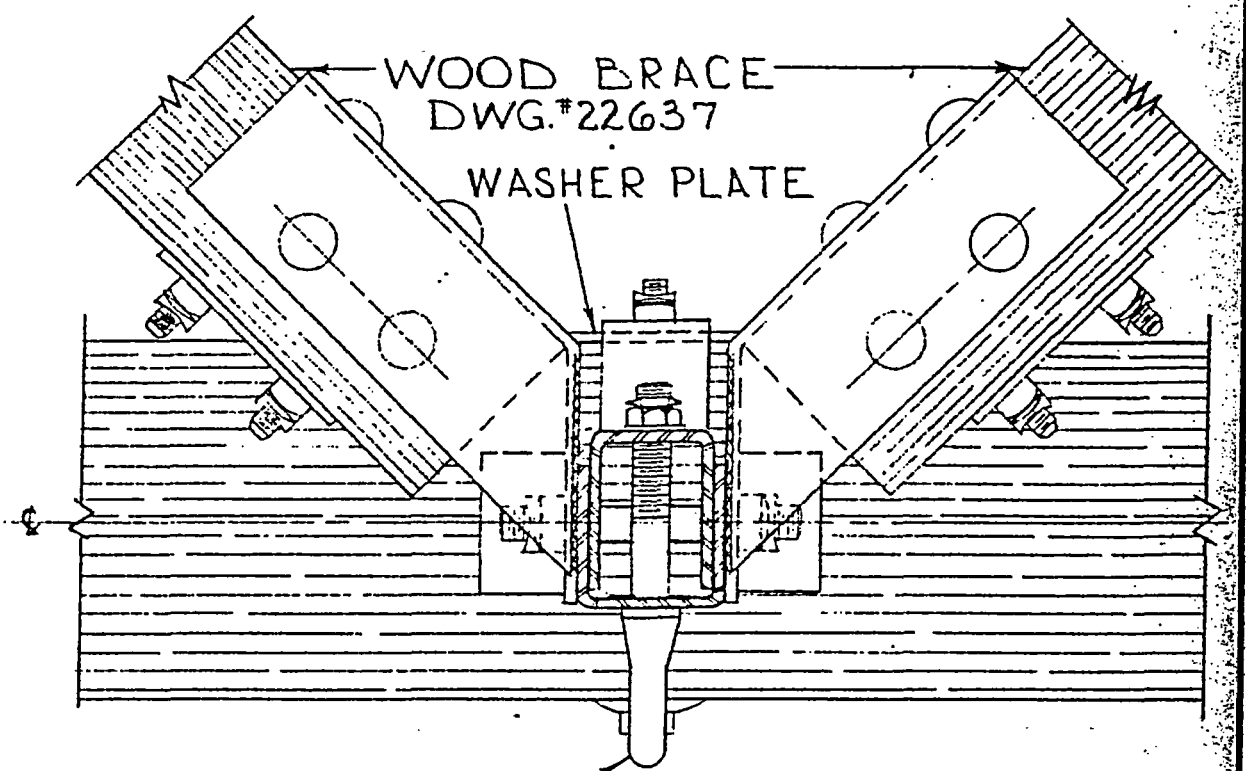
APPROVED | CHECKED G.L. | DRAWN J.R.B.

JOSLYN MFG. AND SUPPLY CO.
MORGAN ST. DIVISION
CHICAGO, ILLINOIS

CROSS ARM MOUNTING DETAIL

DATE 8-26-64
SCALE 1/4" = 1"

A-JMS-24



SPEC. J6120 ADJ. SPACER FITTING

10-15" SPACING

NO.	REVISION	DATE	CK.
B	ADDED WASHER PLATE	1-4-65	
A	REV. SPACER FITTING	12-18-64	

UNSPECIFIED DIMENSIONAL TOLERANCES
FRACTIONAL ± DECIMAL ± ANGULAR ±

SUPERSEDES

APPROVED | CHECKED | DRAWN JK

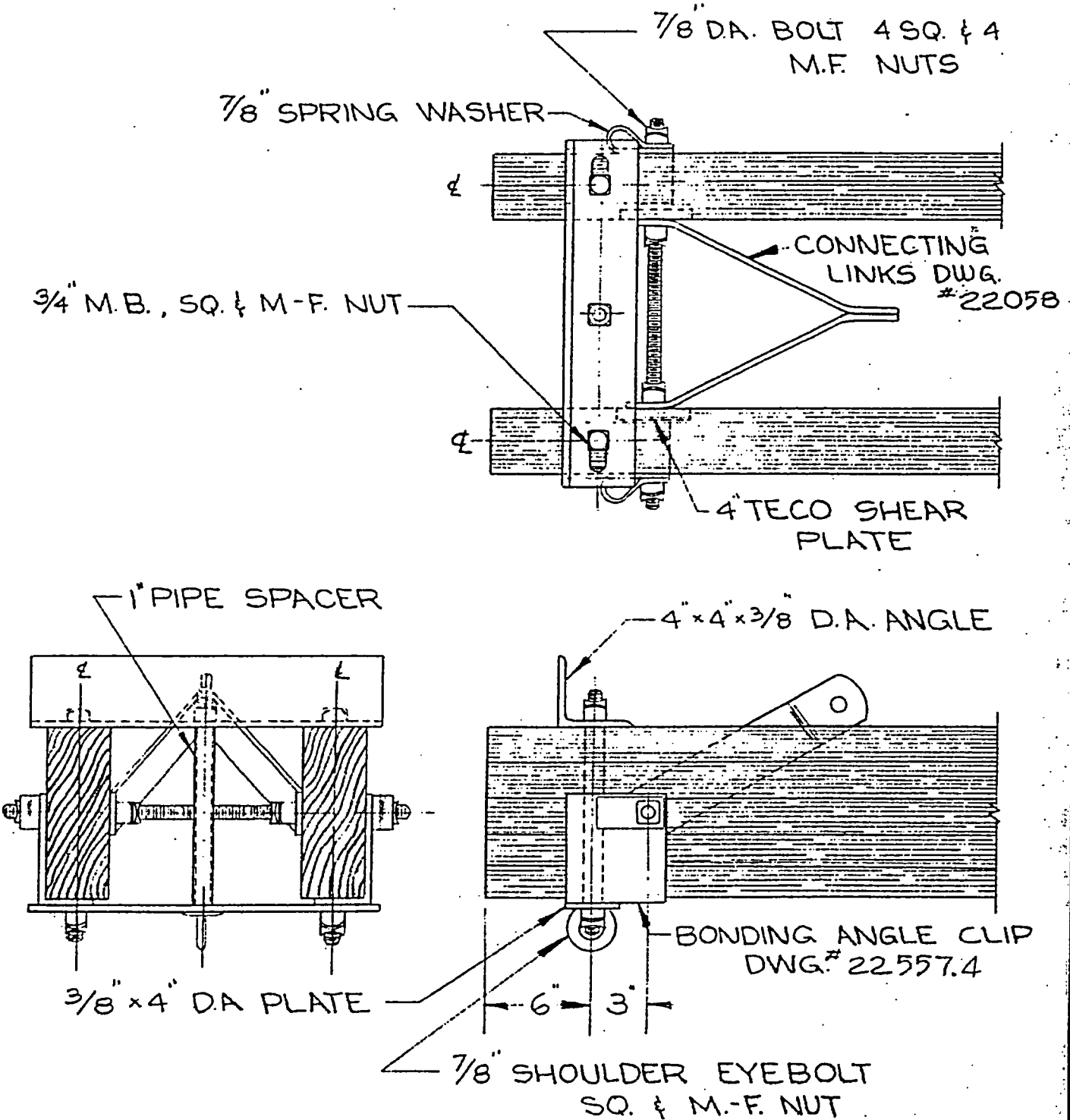
JOSLYN MFG. AND SUPPLY CO.
MORGAN ST. DIVISION
CHICAGO, ILLINOIS

CROSSARM BRACE MOUNTING

DATE 9-8-64

SCALE

A-JMS-32



NO.	REVISION	DATE	CK.
B	REVISED ANGLE CLIP	1-4-65	[illegible]
A	REDRAWN & VIEW ADDED	12-8-64	[illegible]

UNSPECIFIED DIMENSIONAL TOLERANCES
FRACTIONAL ± DECIMAL ± ANGULAR ±

SUPERSEDES

APPROVED | CHECKED | DRAWN DM

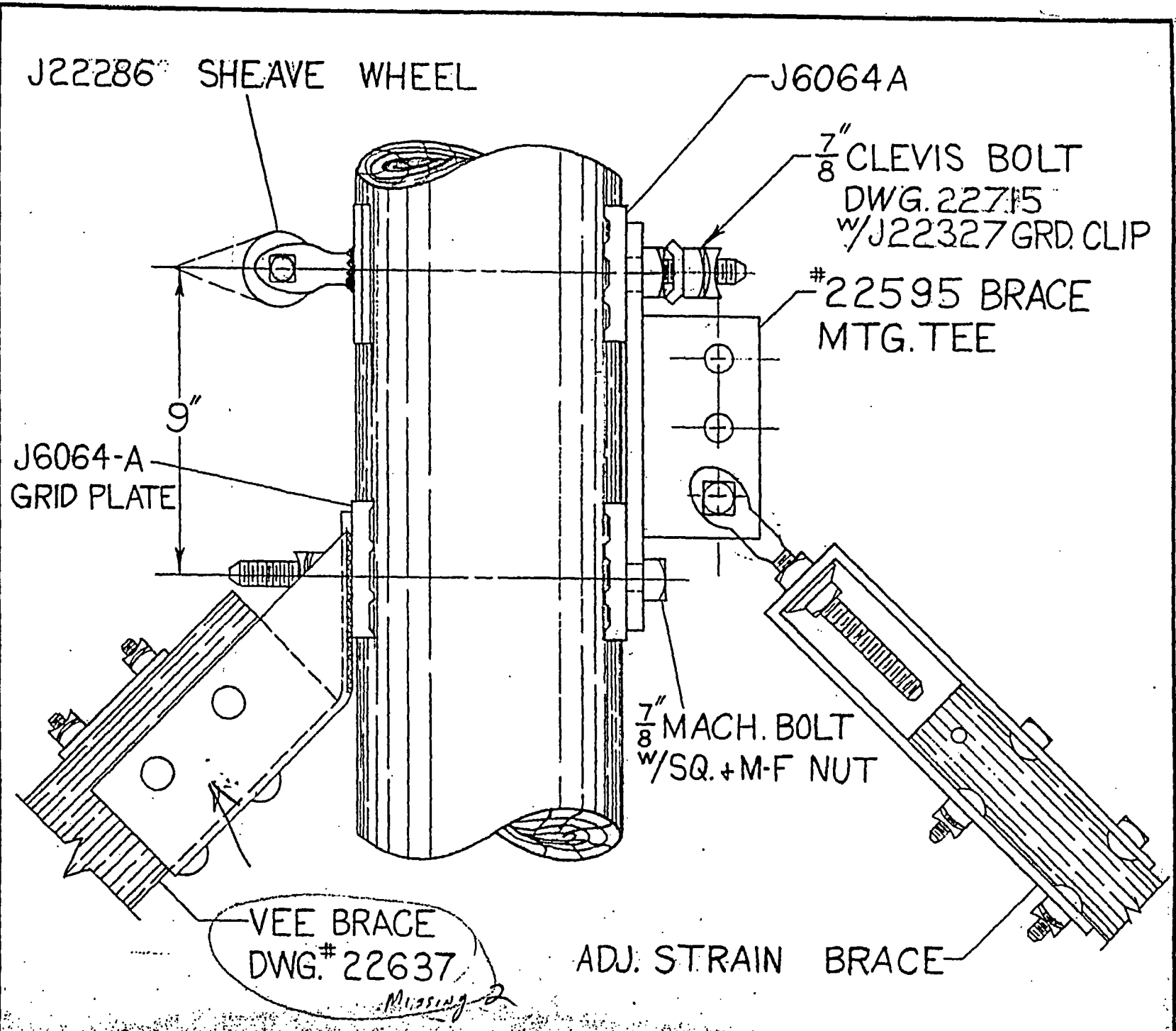
JOSLYN MFG. AND SUPPLY CO.
MORGAN ST. DIVISION
CHICAGO, ILLINOIS

END OF ARM SUSPENSION & BRACE MTG. FOR LAM. ARM

DATE 9-23-64

SCALE

A-JMS-36



NO.	REVISION	DATE	CK.
A	ADDED GROUND CLIP	11-30-64	E.J.

UNSPECIFIED DIMENSIONAL TOLERANCES
FRACTIONAL ± DECIMAL ± ANGULAR ±

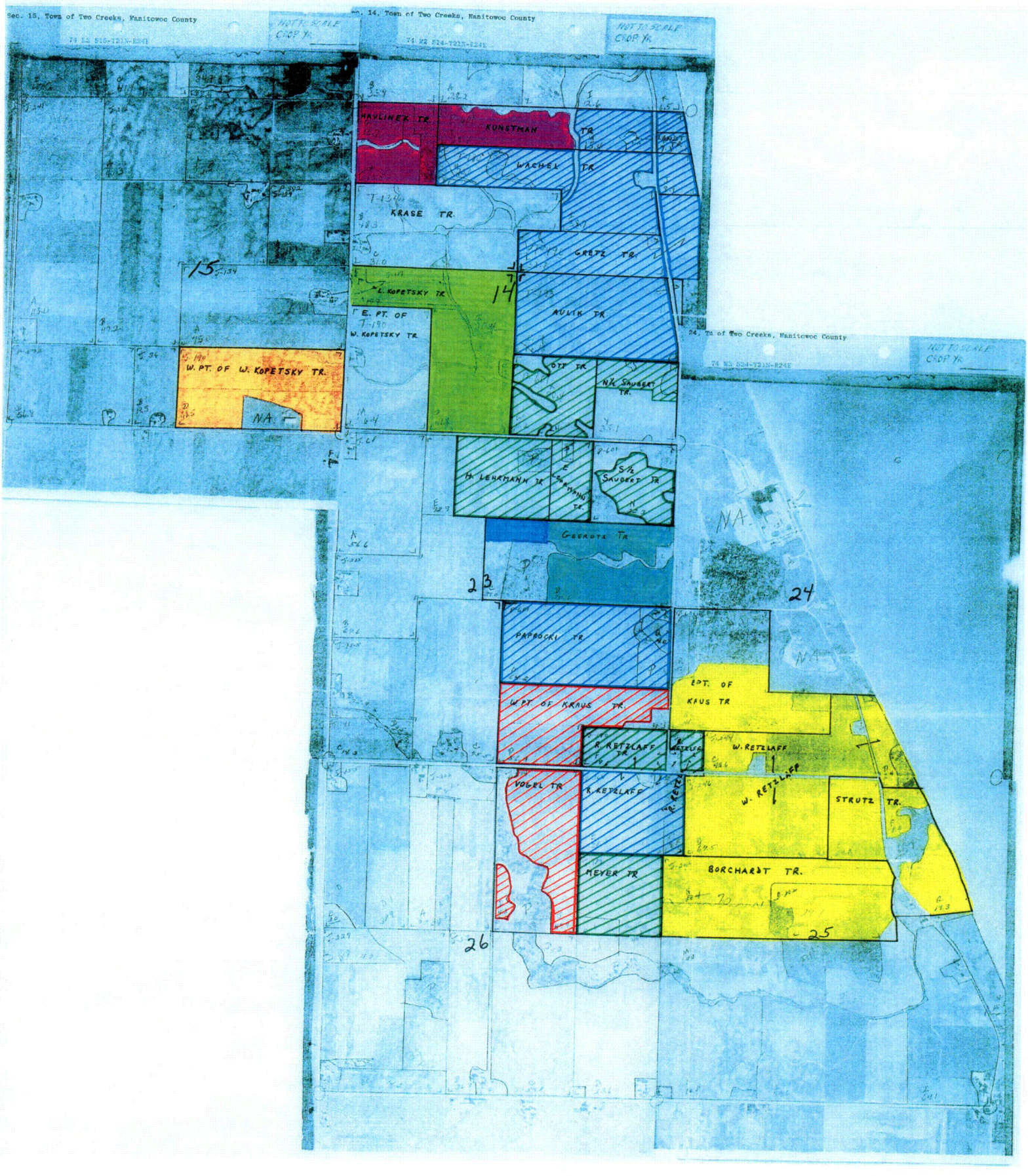
SUPERSEDES

APPROVED | CHECKED E.J. | DRAWN J.R.B. | SCALE 1" | DATE 10-13-64

JOSLYN MFG. AND SUPPLY CO.
MORGAN ST. DIVISION
CHICAGO, ILLINOIS

TIE WIRE + BRACE MOUNTING DETAIL

A-JMS-41


Sec. 15, Town of Two Creeks, Manitowoc County
NOT TO SCALE
CROP YR.
Sec. 14, Town of Two Creeks, Manitowoc County
NOT TO SCALE
CROP YR.
HAYLINEK TR.
KUNSTMAN TR.
WACHEL TR.
KRASE TR.
GRETZ TR.
N. L. KOPETSKY TR.
E. PT. OF W. KOPETSKY TR.
AULIK TR.
W. PT. OF W. KOPETSKY TR.
NA
15
14
OTT TR.
N½ SAUBERT TR.
H. LEHRMANN JR.
S½ SAUBERT TR.
GEERDTS TR.
23
24
PAPROCKI TR.
E PT. OF KRAUS TR.
W PT OF KRAUS TR.
R. RETZLAFF TR.
W. RETZLAFF
VOGEL TR.
STRUTZ TR.
MEYER TR.
BORCHARDT TR.
25
26
24, Twn of Two Creeks, Manitowoc County
NOT TO SCALE
CROP YR.

C01