DATA SHEET TO ACCOMPANY

DRAWING R.X. 851

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Name of Company

The Detroit Edison Company

Name and Location of Crossing

Over the Pennsylvania Railroad where it intersects the N.& S. 1/4 line of Section 33, Taylor Twp., Wayne County, Michigan. This crossing will replace existing crossing over this railroad under Permit U-2328.

Circuits

Proposed two 120,000 volt, 60 cycle, 3 phase, 3 wire transmission circuits with one ground wire.
No existing circuits.

Poles

Steel towers as per attached sheet T-2057

Guy and Guy Attachments

None

Guy Clamps, Guy Insulators, Guy Anchors, Anchor Rods

None

Crossarm and Crossarm Attachments

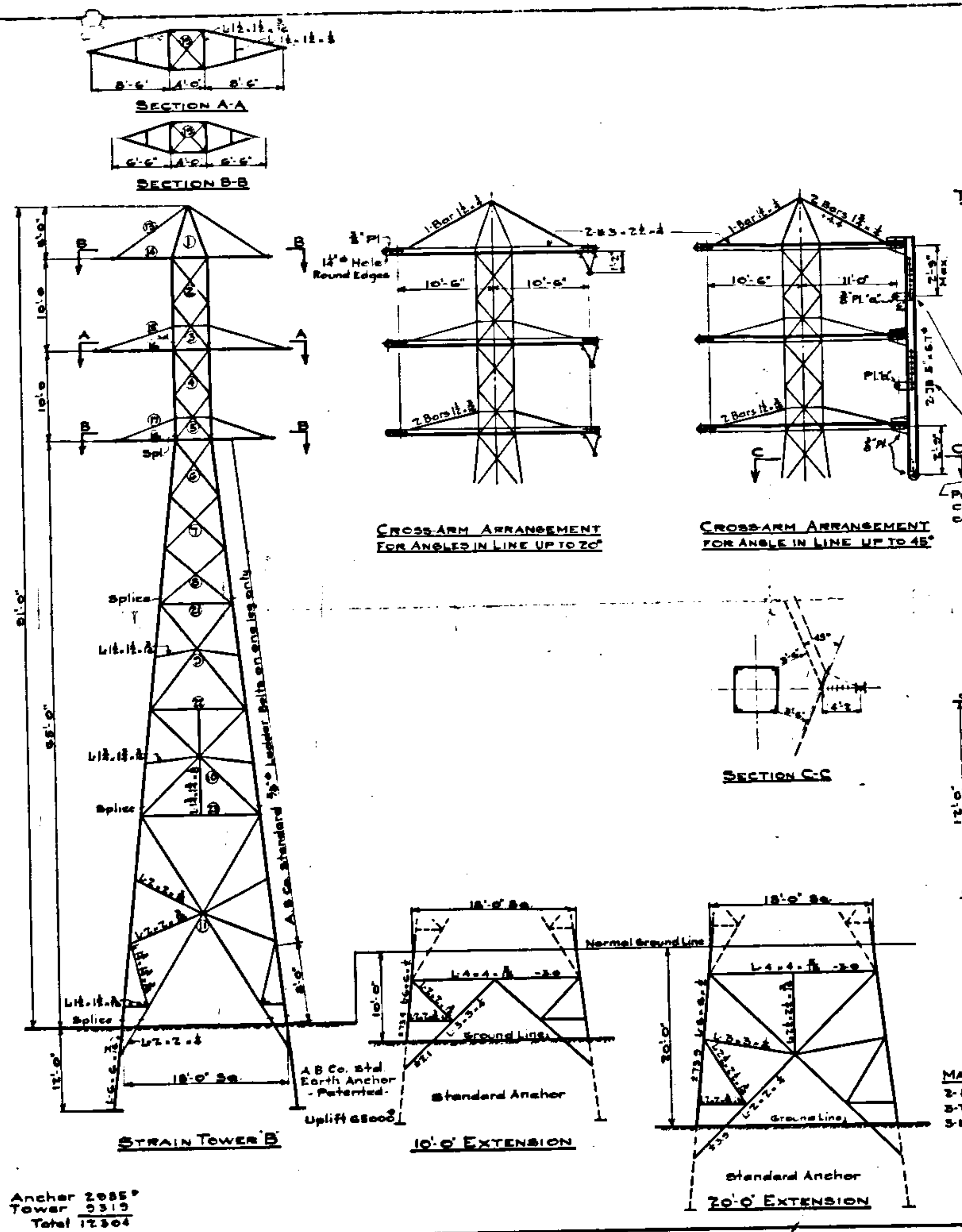
Steel crossarms as per attached sheet T-2057.

Pins, Insulators, and Ties

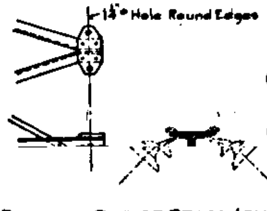
Strain details shown on Drawing R.X. 851.

Conductors

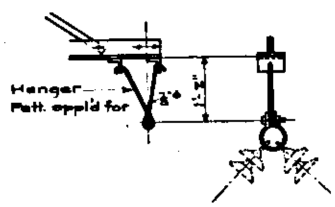
All conductors and ground wire #000 hard drawn, stranded, bare copper wires.



Anchor 2985#
Tower 9319
Total 12304



Typical Detail at End of Cross-Arm For Copper Conductors



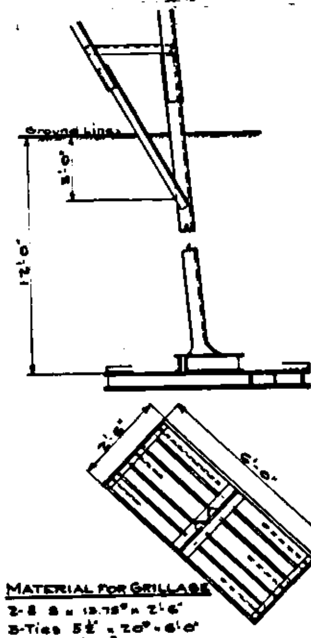
Typical Detail at End of Cross-Arm For Aluminum Conductors

Loads

(1) A vertical load at cable support of 1300#, total 9100#
(2) A horizontal load normal to line at each cable support of 600#, total 4200#
(3) A horizontal load in the direction of total 24300# or 4700# at any one conductor support.
(4) Wind on tower of 30# per lin. foot of height of tower.
(5) Dead load of tower.

Note:-
For unit stresses and specifications For Conductors and span lengths See Drawing T-2056

	Member	Stress	Material
Legs	3	±16.7	L-3½ x 3½ x ¼
	5	±41.0	L-4 x 4 x 3/8
	8	±60.0	L-5 x 5 x 7/16
	10	±68.9	L-6 x 6 x 3/8
	11	±73.1	L-6 x 6 x 7/16
Bracing	1	±3.4	L-2 x 2 x 3/16
	2	±3.9	L-1¾ x 1¾ x 3/16
	3	±3.9	do
	4	±9.3	L-2½ x 2½ x 3/16
	5	±9.3	do
	6	±9.7	do
	7	±6.9	do
	8	±3.3	do
	9	+10.3	L-1¾ x 1¾ x ¼
	10	+7.0	L-1¾ x 1¾ x 3/16
	11	+7.3	do
	12		
Cross-Arms	13	+2.3	1 Bar 1½ x ¼
	14	±9.3	L-3 x 2½ x 3/16
	15	+2.1	2 Bars 1½ x 3/16
	16	±12.7	L-3 x 2½ x ¼
	17	+1.6	2 Bars 1½ x 3/16
	18	±9.9	L-3 x 2½ x 3/16
	19	+3.4	Bar 1½ x ¼
	21	-4.0	L-2½ x 2½ x 3/16
	22	-6.0	L-3 x 3 x 3/16
	23	-3.0	do



Material for Grillage
2-8" ⌶ x 13.75# x 2'-6"
3-Ties 5¼" x 20# x 6'-0"
3-L 1½ x 1½ x 3/16 x 2'-6"

TRANSMISSION TOWERS

Detroit Edison Co.

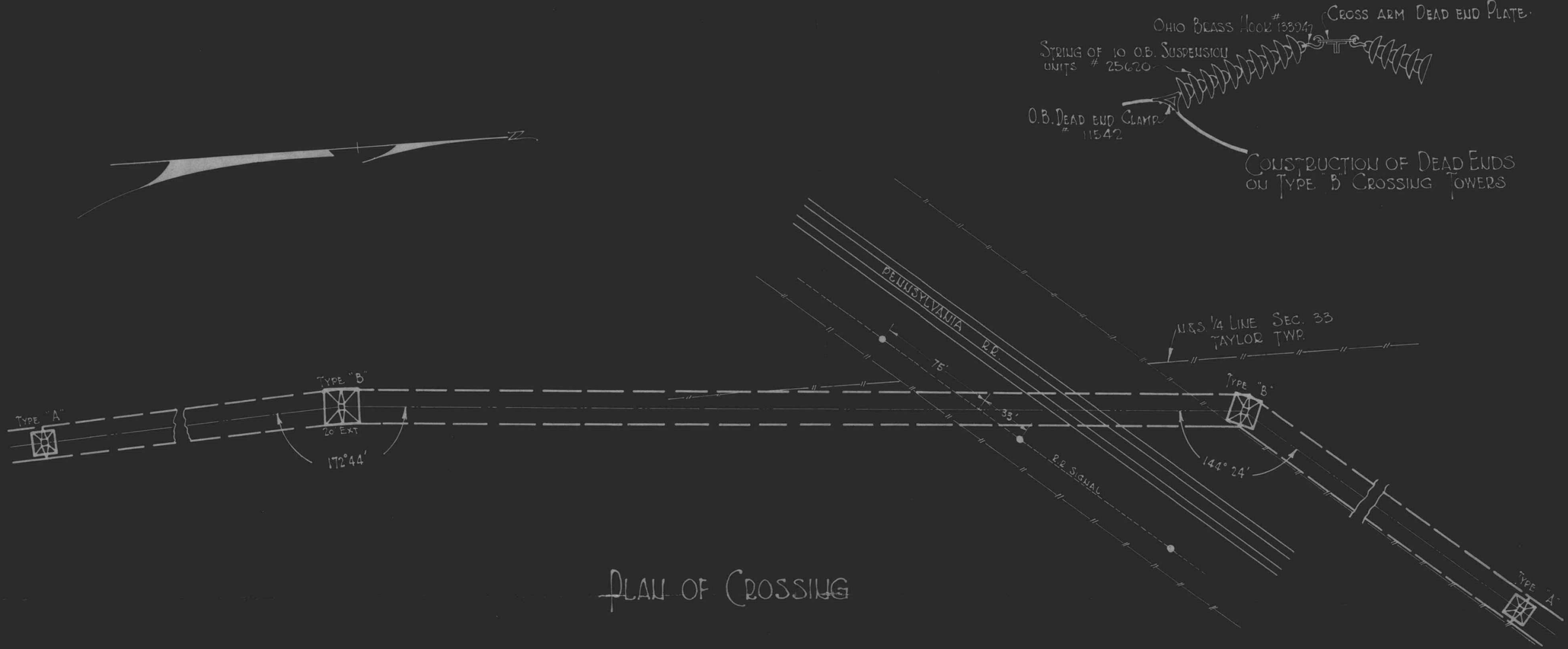
Strain Tower 'B'

Revisions

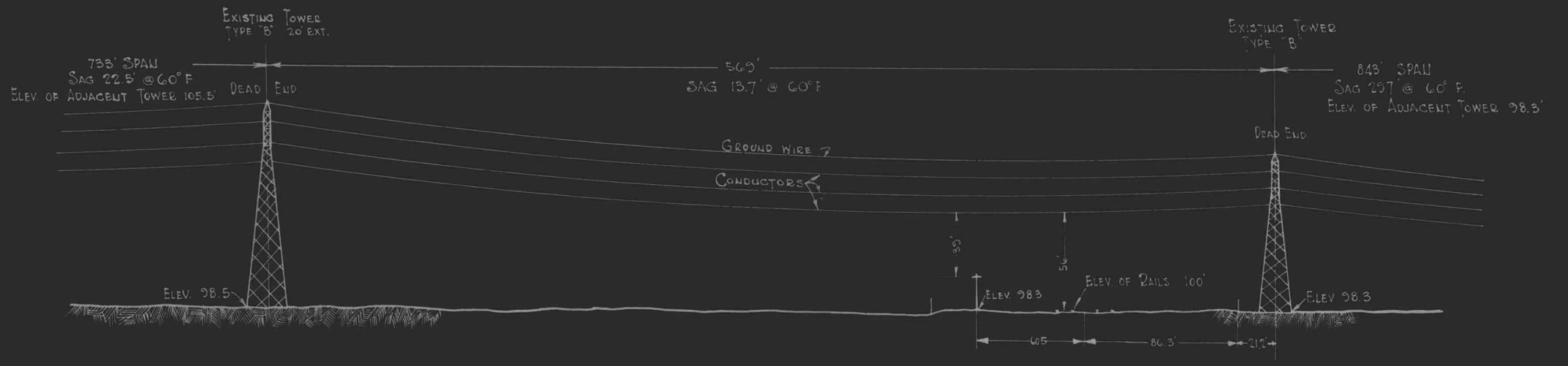
AMERICAN BRIDGE CO.
PITTSBURGH, PA.

Inquiry No.
Order No.
Drawing T-2057

This drawing is traced from and supersedes Drawings T-1792 and T-1810. Arrangement for Cross-arms is revised.



Plan of Crossing



Elevation of Crossing Looking West

Note:- Crossing under Permit U-2328 To be Removed.

County	Wayne
Township	Taylor
Survey № of Twp.	3 South
Range №	10 East
Section №	S.W. 1/4 Sec 33.

The Detroit Edison Co.,
Plan Submitted to Mich. Public Utilities Commission.

For 120,000 Volt Crossing
Over Pennsylvania R.R. Tracks
Drawn By J.L. Date Sept 27, 1928
Checked By _____ Date _____

Drafting & Surveying Bureau R.X. # 851

RECORDED RIGHT OF WAY NO. 23910
p4

APPROVED
FOR
MICHIGAN PUBLIC UTILITIES COMMISSION
CHIEF ENGINEER
DATE OCT - 5 1928
FILE C-4440