

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of the Application of Ameren Transmission)
Company of Illinois for Other Relief or, in the Alternative,)
a Certificate of Public Convenience and Necessity)
Authorizing it to Construct, Install, Own, Operate,) File No. EA-2015-0145
Maintain and Otherwise Control and Manage a)
345,000-volt Electric Transmission Line in Marion)
County, Missouri, and an Associated Switching Station)
Near Palmyra, Missouri.)

APPLICATION

COMES NOW Ameren Transmission Company of Illinois (ATXI), by and through its counsel, pursuant to Section 393.170 RSMo (2000), 4 CSR 240-2.060 and 4 CSR 240-3.105, for its conditional application to the Missouri Public Service Commission (Commission) for a certificate of convenience and necessity (CCN) authorizing it to own, acquire, construct, operate, control, manage and maintain an electric transmission line, including a new switching station, within Marion County, Missouri; or, alternatively, for an order declining jurisdiction in this matter and dismissing this conditional application on the grounds that the Commission does not have jurisdiction over ATXI because ATXI is not a “public utility” under Missouri law. In support of its application, ATXI respectfully states as follows:

APPLICANT

1. ATXI is a corporation organized under the laws of Illinois with its principal office at 1901 Chouteau Avenue, St. Louis, Missouri 63103. ATXI is duly authorized to do business in Missouri. A certified copy of ATXI’s Certificate of Corporate Good Standing in Illinois and a certified copy of its Authority to Conduct Business in the State of Missouri are attached hereto as **Appendix A** and **Appendix B**, respectively.

2. ATXI is engaged in the construction, ownership, and operation of the interstate transmission lines that transmit electricity for the public use and a part of such transmission lines that ATXI intends to construct, own, and operate will be located in Missouri; however, ATXI neither provides retail electric service to the general public in Missouri nor serves any retail service territory in Missouri. In addition, ATXI does not manufacture, sell or distribute electricity for light, heat or power either within or outside Missouri.

3. ATXI states that it has no pending actions or final unsatisfied judgments or decisions against it from any state or federal court or agency within the past three (3) years which involve customer service or rates. ATXI has no annual reports or assessment fees that are overdue.

4. All correspondence, communications, notices, orders and decisions of the Commission with respect to this matter should be sent to:

James B. Lowery, Mo. Bar #40503
Michael R. Tripp, Mo. Bar #41535
SMITH LEWIS, LLP
P.O. Box 918
Columbia, MO 65205-0918
(T) 573-443-3141
(F) 573-442-6686
tripp@smithlewis.com
lowery@smithlewis.com

and

Jeffrey K. Rosencrants
Senior Corporate Counsel
Ameren Services Company
One Ameren Plaza
1901 Chouteau Avenue
P.O. Box 66149 (MC 1310)
St. Louis, MO 63166-6149
(314) 554-3955
(314) 554-4014
JRosencrants@ameren.com

PROJECT DESCRIPTION AND NEED

5. ATXI proposes to construct, install, own, operate, control, manage and maintain in Missouri a 345,000-volt electric transmission line approximately 7 miles in length that includes a new switching station and that runs generally from the new switching station to be constructed near Palmyra, Missouri, through Marion County in Missouri and extending across the Mississippi River to the Missouri state line (the Project). The transmission line conductors will be supported primarily by single shaft steel pole structures 110-170 feet in height, with typical spans of 600-900 feet. These steel structures will be erected within a 150-foot right-of-way. A drawing of the steel structure which is contemplated and new switching station is attached as **Appendix C.**

6. The Project is a portion of the portfolio of multi-value projects (MVPs) approved by the Midcontinent Independent System Operator, Inc. (MISO) in 2011, and is a part of a new transmission line approximately 385 miles in length along a path running generally from Palmyra, Missouri, then continuing through northeastern Missouri, across the Mississippi river and continuing east across Illinois to western Indiana (identified by ATXI in its entirety as the Illinois Rivers Project). This Application is for the segment of the Illinois Rivers Project that is located in Missouri.

7. As defined by MISO, the portfolio MVPs are transmission “[p]rojects providing regional public policy, reliability and/or economic benefits”¹ through increased market competition and delivery of lower cost generation.

¹ MISO’s study is contained in a report (“MISO Transmission Expansion Plan 2011” or “MTEP 11”) that is publicly available at <https://www.misoenergy.org/Planning/TransmissionExpansionPlanning/Pages/MTEP11.aspx>; the quote above is found at p. 4 of the report.

TRANSMISSION LINE ROUTE

8. A depiction of the route of construction of the line, including the new switching station, is found on the map attached as **Appendix D**. A file directory of the plans and specifications for the construction of the Project are attached as **Appendix E**. A CD containing the Highly Confidential electronic files of the plans and specifications is designated as **Appendix E-HC** and is being provided to Staff under separate cover.

9. A list of electric and telephone lines of regulated and nonregulated utilities, railroad tracks, and underground facilities as defined in section 319.015, RSMo., which the proposed construction may cross, is attached to this Application as **Appendix F**.

10. A copy of the assent of the County Commission of Marion County, Missouri, to the placement of transmission lines over county public roads and highways is attached as **Appendix G**. ATXI requires approval from the U.S. Corp of Engineers related to the line crossing the Mississippi River, and may require the consent of other governmental agencies. ATXI will provide all required approvals prior to the granting of the authority sought, as provided by 4 CSR 240-3.105(2). A list of agencies that ATXI has contacted with regard to this Project is contained in **Appendix H**.

PROJECT COSTS

11. The estimated cost for construction of the Project is \$68.1 million. A breakdown of the estimated costs by category is contained on **Appendix I**.

12. ATXI intends to finance the Project using a combination of equity, short-term and long-term debt, and cash from operations.

PUBLIC CONVENIENCE AND NECESSITY

13. There is a need for the transmission service to be provided by the Project, and the Project is in the public interest in that it will provide for the integration of wind energy in Missouri to increase the amount of electricity available from renewable resources, including wind energy that would be transported to aid Missouri public utilities in complying with Missouri's Renewable Energy Standard, Section 393.1020, RSMo., *et seq.* The Project is also part of improvements to the regional transmission system under MISO's functional control and will improve the overall reliability of the regional transmission system and reduce transmission system congestion. The Project will provide the additional benefit of providing a remedy to several reliability issues which result in overloading a Palmyra substation transformer owned and operated by Associated Electric Cooperative, Inc.

14. Moreover, the proposed Project is economically feasible. A MISO study performed in 2011 indicated that Ameren Missouri customers will receive benefits that are at least 1.8 times the cost they will be allocated for the MVPs.² MISO performed an updated study in 2014 and determined that Ameren Missouri customers will receive benefits that are at least 2.3 times the cost they will be allocated for the MVPs.³

15. ATXI has the financial ability to construct the proposed Project.

16. ATXI is qualified to provide the proposed service in that it has been and is now developing and constructing a variety of interstate electric transmission projects.

² *MTEP11 Report*, at p. 8.

³ The MTEP14 MVP Triennial Review report may be accessed at <https://www.misoenergy.org/Planning/TransmissionExpansionPlanning/Pages/MVPAnalysis.aspx>. The financial analysis is found on p. 8 of the report.

17. The foregoing facts demonstrate that the issuance of a CCN authorizing ATXI to construct, own, operate, manage and maintain the facilities included in the Project is required by the public convenience and necessity.

OTHER MATTERS

18. ATXI requests that the Commission approve this application at its earliest convenience, but in no event later than April 30, 2015, so that ATXI may begin construction promptly. This timeline will allow ATXI to complete construction and place the new transmission line in service by November, 2016, which is the in-service date required by MISO.

19. ATXI filed a 60-day notice of this application as required by 4 CSR 240-4.020(2) on December 9, 2014.

20. Because ATXI will not provide retail service to end-use customers and will not be rate-regulated by the Commission, ATXI requests that the Commission waive the rate schedule filing requirement of 4 CSR 240-3.145, the annual reporting requirement of 4 CSR 240-3.165, the depreciation study requirement of 4 CSR 240-3.175, and the reporting requirements of 4 CSR 240-3.190(1), (2) and 3(A)-(D) for good cause. ATXI agrees to file with the Commission the annual report it files with FERC.

21. By filing this Application, ATXI does not consent to the jurisdiction or authority of the Commission, and reserves its right to seek judicial review of such assertion of jurisdiction or authority should the Commission choose to assert authority or jurisdiction rather than dismissing this Application.

WHEREFORE, ATXI prays that the Commission, no later than April 30, 2015, enter an Order either dismissing this Application because the Commission does not have jurisdiction over ATXI, based upon the finding that ATXI is not a public utility under Missouri law, or,

alternatively, granting ATXI a certificate of convenience and necessity to construct, install, own, operate, control, manage, and maintain that part of the Project described herein, as described above and depicted on **Appendix D**, in Marion County, Missouri.

Respectfully submitted,

/s/ James B. Lowery

James B. Lowery, Mo. Bar #40503

Michael R. Tripp, Mo. Bar #41535

SMITH LEWIS, LLP

P.O. Box 918

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(F) 573-442-6686

lowery@smithlewis.com

tripp@smithlewis.com

*Attorneys for Ameren Transmission Company of
Illinois*

CERTIFICATE OF SERVICE

I do hereby certify that a true and correct copy of the public version of the foregoing Application has been e-mailed this 20th day of February, 2015, to the Missouri Public Service Commission Staff and to the Office of the Public Counsel. A CD containing the Highly Confidential electronic files designated as **Appendix E-HC** was sent via regular mail to the Missouri Public Commission Staff on this same date.

/s/ James B. Lowery

**An Attorney for Ameren Transmission
Company of Illinois**

APPENDICES

Appendix A	ATXI Certificate of Corporate Good Standing in Illinois
Appendix B	ATXI Authority to Conduct Business in Missouri
Appendix C	Drawing/Diagram of Steel Monopoles and Switching Station
Appendix D	Map of Route for Proposed Transmission Line
Appendix E	Design and Specifications of the Project (file directory only)
Appendix F	4 CSR 240-3.105(1)(B)1 Listing
Appendix G	Assent of County Commission of Marion County, Missouri
Appendix H	List of Agencies Contacted
Appendix I	Estimated Cost of the Project

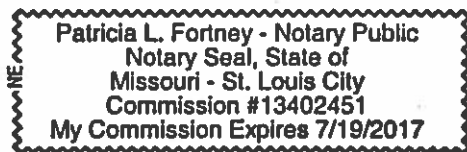
VERIFICATION

I, Maureen A. Borkowski, of lawful age, being duly sworn, depose and say that I serve as the President of Ameren Transmission Company of Illinois; that I have knowledge of the facts stated in the foregoing Application; that I certify that said facts are true to the best of my knowledge, information and belief.


Maureen A. Borkowski

Subscribed and sworn to before me this 20 day of February, 2015.


Notary Public





To all to whom these Presents Shall Come, Greeting:

I, Jesse White, Secretary of State of the State of Illinois, do hereby certify that

AMEREN TRANSMISSION COMPANY OF ILLINOIS, A DOMESTIC CORPORATION, INCORPORATED UNDER THE LAWS OF THIS STATE ON MARCH 02, 2006, APPEARS TO HAVE COMPLIED WITH ALL THE PROVISIONS OF THE BUSINESS CORPORATION ACT OF THIS STATE RELATING TO THE PAYMENT OF FRANCHISE TAXES, AND AS OF THIS DATE, IS IN GOOD STANDING AS A DOMESTIC CORPORATION IN THE STATE OF ILLINOIS.



Authentication #: 1502802280

Authenticate at: <http://www.cyberdriveillinois.com>

In Testimony Whereof, *I hereto set my hand and cause to be affixed the Great Seal of the State of Illinois, this 28TH day of JANUARY A.D. 2015 .*

Jesse White

SECRETARY OF STATE

STATE OF MISSOURI



Jason Kander
Secretary of State

CORPORATION DIVISION
CERTIFICATE OF CORPORATE RECORDS

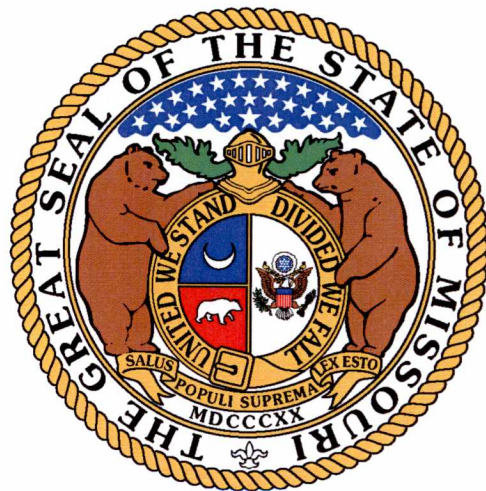
AMEREN TRANSMISSION COMPANY OF ILLINOIS
F01245931

I, JASON KANDER, Secretary of State of the State of Missouri and Keeper of the Great Seal thereof, do hereby certify that the annexed pages contain a full, true and complete copy of the original documents on file and of record in this office.

IN TESTIMONY WHEREOF, I hereunto set my hand and cause to be affixed the GREAT SEAL of the State of Missouri. Done at the City of Jefferson, this 28th day of January, 2015.


Secretary of State

Certification Number: CERT-01282015-0035





State of Missouri

Robin Carnahan, Secretary of State

Corporations Division
PO Box 778 / 600 W. Main St., Rm. 322
Jefferson City, MO 65102

File Number:

F01245931

Date Filed: 08/01/2012

Robin Carnahan

Secretary of State

Application for Certificate of Authority For a Foreign For-Profit Corporation

(Submit with filing fee of \$155.00)

- The corporation's name is Ameren Transmission Company of Illinois
and it is organized and existing under the laws of Illinois
- The name it will use in Missouri is Ameren Transmission Company of Illinois
- The date of its incorporation was 03/02/2006, and the period of its duration is perpetual
month/day/year
- The address of its principal place of business is 1901 Chouteau Avenue, St. Louis, MO 63103
Address City/State/Zip
- The name and physical address of its registered agent and office in the State of Missouri is
Kenneth L. Schmidt 500 East Independence Drive, Union, MO 63084
Name Address City/State/Zip
- The specific purpose(s) of its business in Missouri are: See attachment

7. The name of its officers and directors and their business addresses are as follows:

Officers	Name	Address	City/State/Zip
President	<u>Maureen A. Borkowski</u>	<u>1901 Chouteau Avenue, St. Louis, MO 63103</u>	
Vice President	<u>Martin J. Lyons, Jr.</u>	<u>1901 Chouteau Avenue, St. Louis, MO 63103</u>	
Secretary	<u>Gregory I. Nelson</u>	<u>1901 Chouteau Avenue, St. Louis, MO 63103</u>	
Treasurer	<u>Jerre E. Birdsong</u>	<u>1901 Chouteau Avenue, St. Louis, MO 63103</u>	
Asst. Secretary	<u>Craig W. Stensland</u>	<u>1901 Chouteau Avenue, St. Louis, MO 63103</u>	
Board of Directors			
Director	<u>Maureen A. Borkowski</u>	<u>same as above</u>	
Director	<u>Daniel F. Cole</u>	<u>Same as above</u>	
Director	<u>Mark C. Lindgren</u>	<u>Same as above</u>	
Director	<u>Martin J. Lyons, Jr.</u>	<u>Same as above</u>	
Director	<u>Gregory I. Nelson</u>	<u>Same as above</u>	
Director	<u>Dennis W. Weisenborn</u>	<u>(Please see next page)</u>	

Name and address to return filed document:

Name: Craig W. Stensland

Address: 1901 Chouteau Avenue

City, State, and Zip Code: St. Louis, MO 63103

State of Missouri
Creation - General Business - Foreign 4 Page(s)



T1221418003

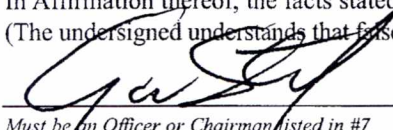
Appendix B

8. The effective date of this document is the date it is filed by the Secretary of State of Missouri, unless you indicate a future date, as follows: _____

(Date may not be more than 90 days after the filing date in this office)

In Affirmation thereof, the facts stated above are true and correct:

(The undersigned understands that false statements made in this filing are subject to the penalties provided under Section 575.040, RSMo)


Must be an Officer or Chairman listed in #7

Craig W. Stensland
Printed Name

Assistant Secretary
Title

8/11/2012
Date

Note: You must submit current original certificate of good standing or certificate of existence with this application. This may be obtained from your Secretary of State or other authority that issues corporate charters.

Attachment to Application for Certificate of Authority
For a Foreign For-Profit Corporation

6. The specific purpose(s) of its business in Missouri are:

The transaction of lawful business for which corporations may be incorporated, including to develop, own, construct, acquire, lease and otherwise deal with, in the public interest and for public use, electric transmission, which includes equipment, property, interests in real estate, lines, towers and all appurtenances and equipment related thereto, and to acquire and maintain, where required, licenses, permits and all other rights regarding the same, except that the corporation will not engage in the generation, distribution or sale of electricity to the general public or otherwise furnish retail electricity to the general public or serve any retail service territory.



To all to whom these Presents Shall Come, Greeting:

I, Jesse White, Secretary of State of the State of Illinois, do hereby certify that

AMEREN TRANSMISSION COMPANY OF ILLINOIS, A DOMESTIC CORPORATION, INCORPORATED UNDER THE LAWS OF THIS STATE ON MARCH 02, 2006, APPEARS TO HAVE COMPLIED WITH ALL THE PROVISIONS OF THE BUSINESS CORPORATION ACT OF THIS STATE RELATING TO THE PAYMENT OF FRANCHISE TAXES, AND AS OF THIS DATE, IS IN GOOD STANDING AS A DOMESTIC CORPORATION IN THE STATE OF ILLINOIS.



Authentication #: 1217801974

Authenticate at: <http://www.cyberdriveillinois.com>

In Testimony Whereof, *I hereto set my hand and cause to be affixed the Great Seal of the State of Illinois, this 26TH day of JUNE A.D. 2012 .*

Jesse White

SECRETARY OF STATE

State of Missouri



Robin Carnahan
Secretary of State

CERTIFICATE OF AUTHORITY

WHEREAS,

AMEREN TRANSMISSION COMPANY OF ILLINOIS
F01245931

using in Missouri the name

AMEREN TRANSMISSION COMPANY OF ILLINOIS

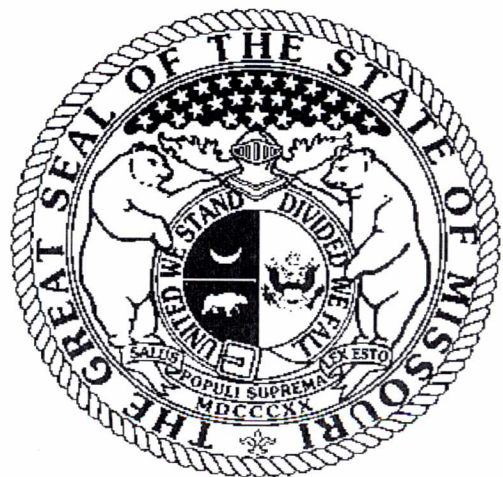
has complied with the General and Business Corporation Law which governs Foreign Corporations; by filing in the office of the Secretary of State of Missouri authenticated evidence of its incorporation and good standing under the Laws of the State of Illinois.

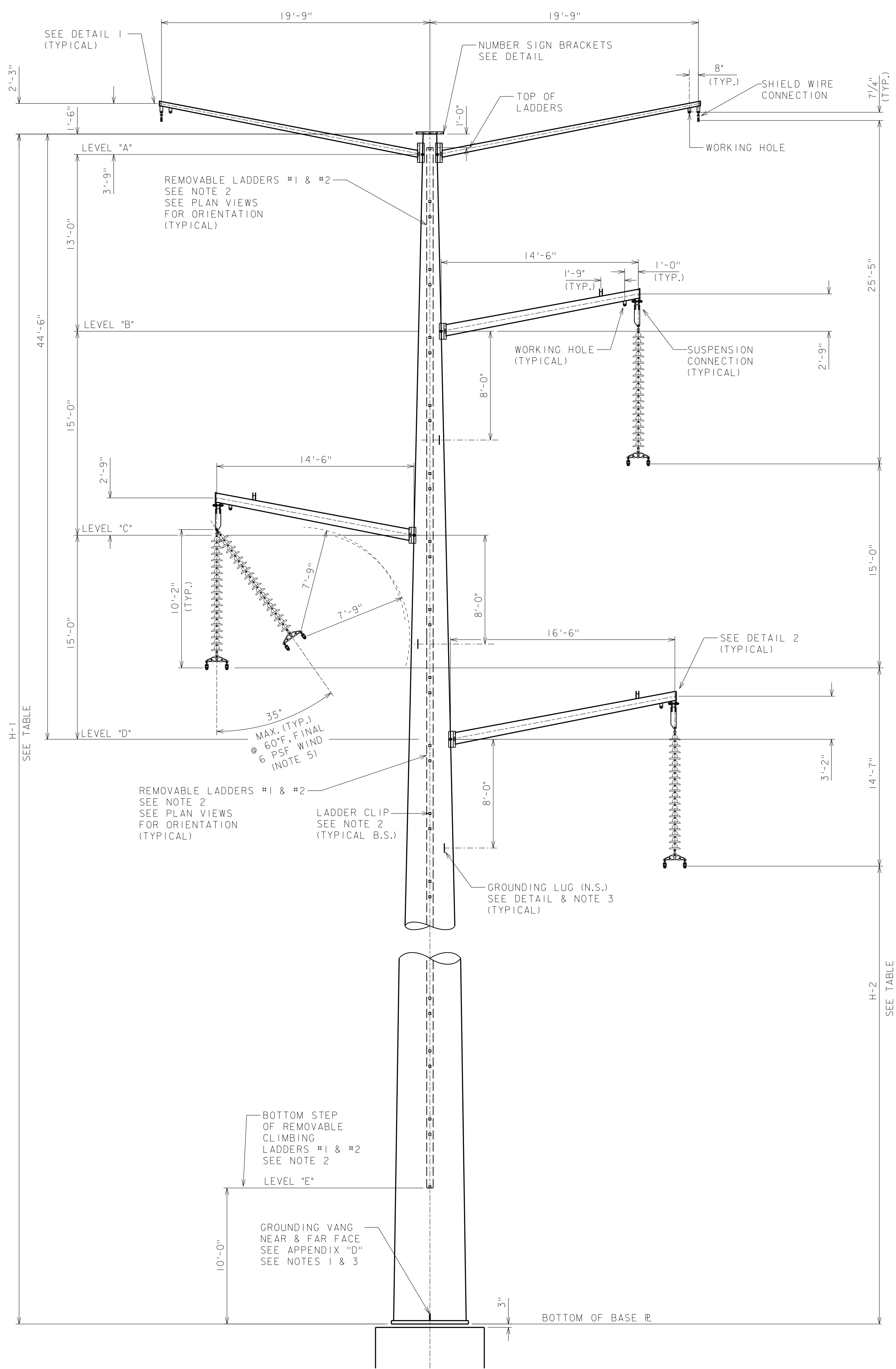
NOW, THEREFORE, I, ROBIN CARNAHAN, Secretary of State of the State of Missouri, do hereby certify that said corporation is from this date duly authorized to transact business in this State, and is entitled to all rights and privileges granted to Foreign Corporations under the General and Business Corporation Law of Missouri.

IN TESTIMONY WHEREOF, I hereunto
set my hand and cause to be affixed the
GREAT SEAL of the State of Missouri.
Done at the City of Jefferson, this
1st day of August, 2012.

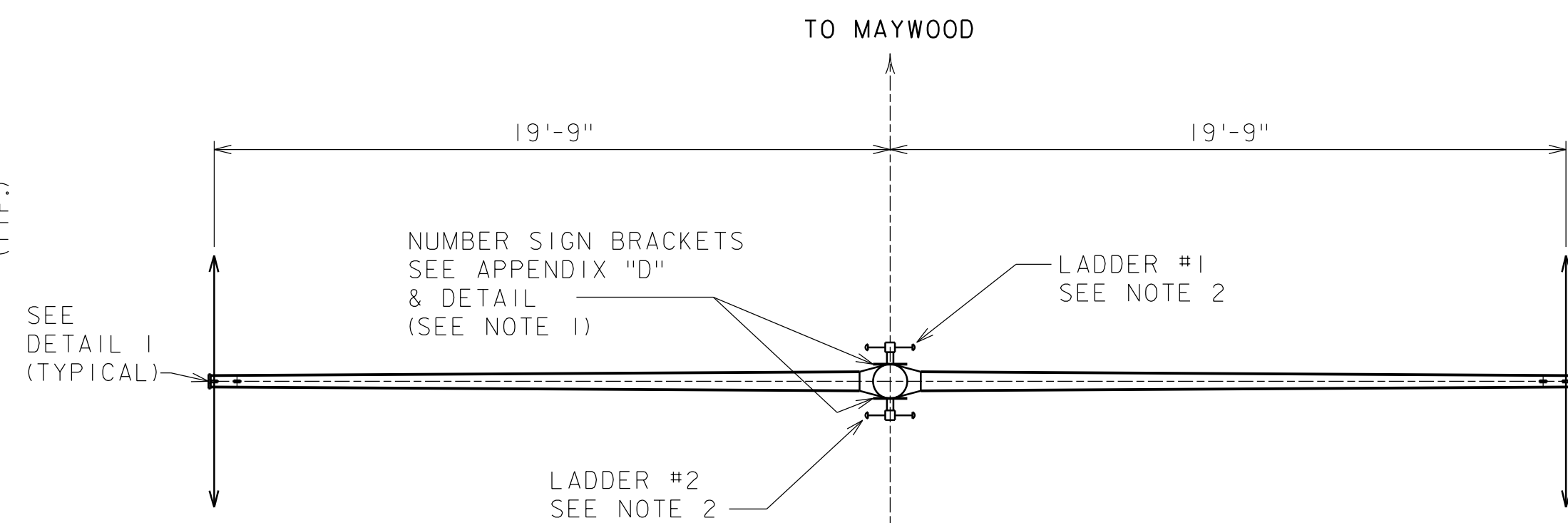
Robin Carnahan

Secretary of State

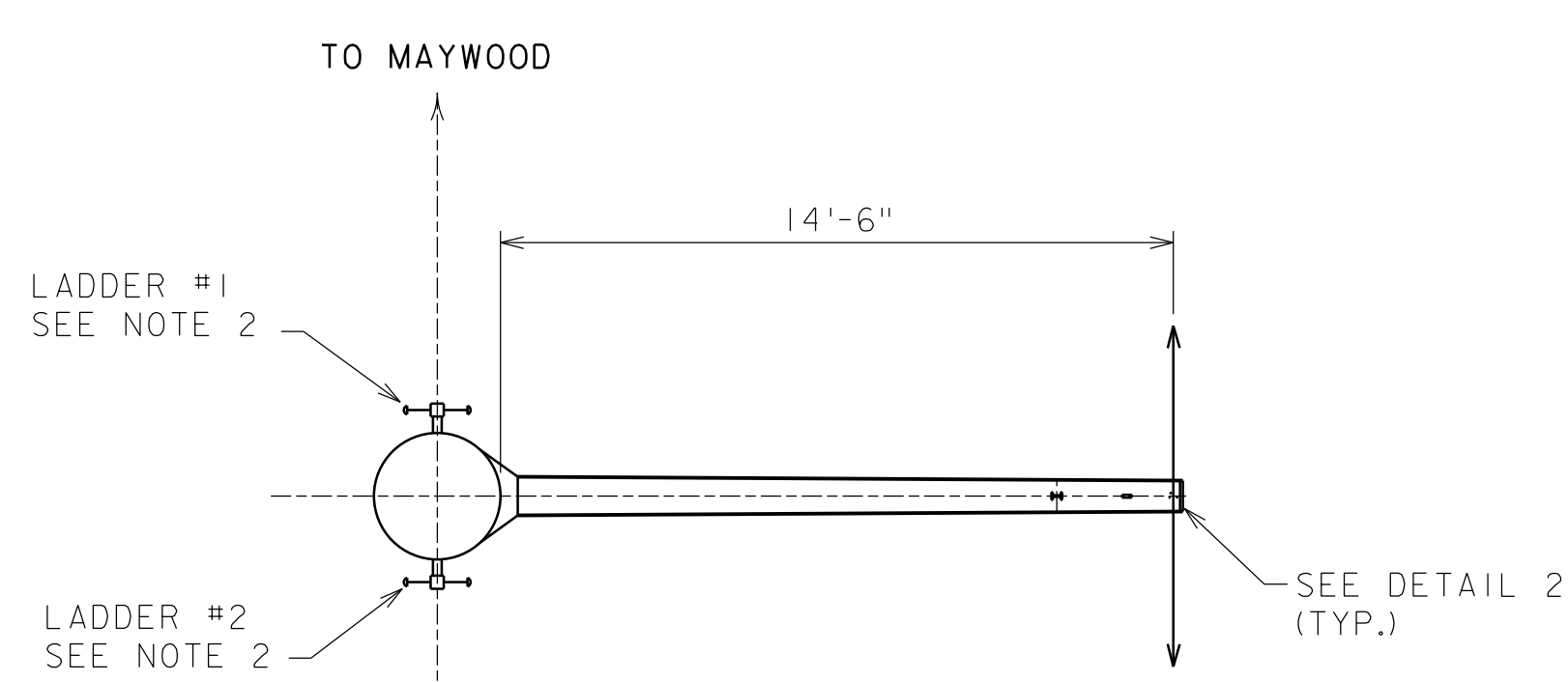




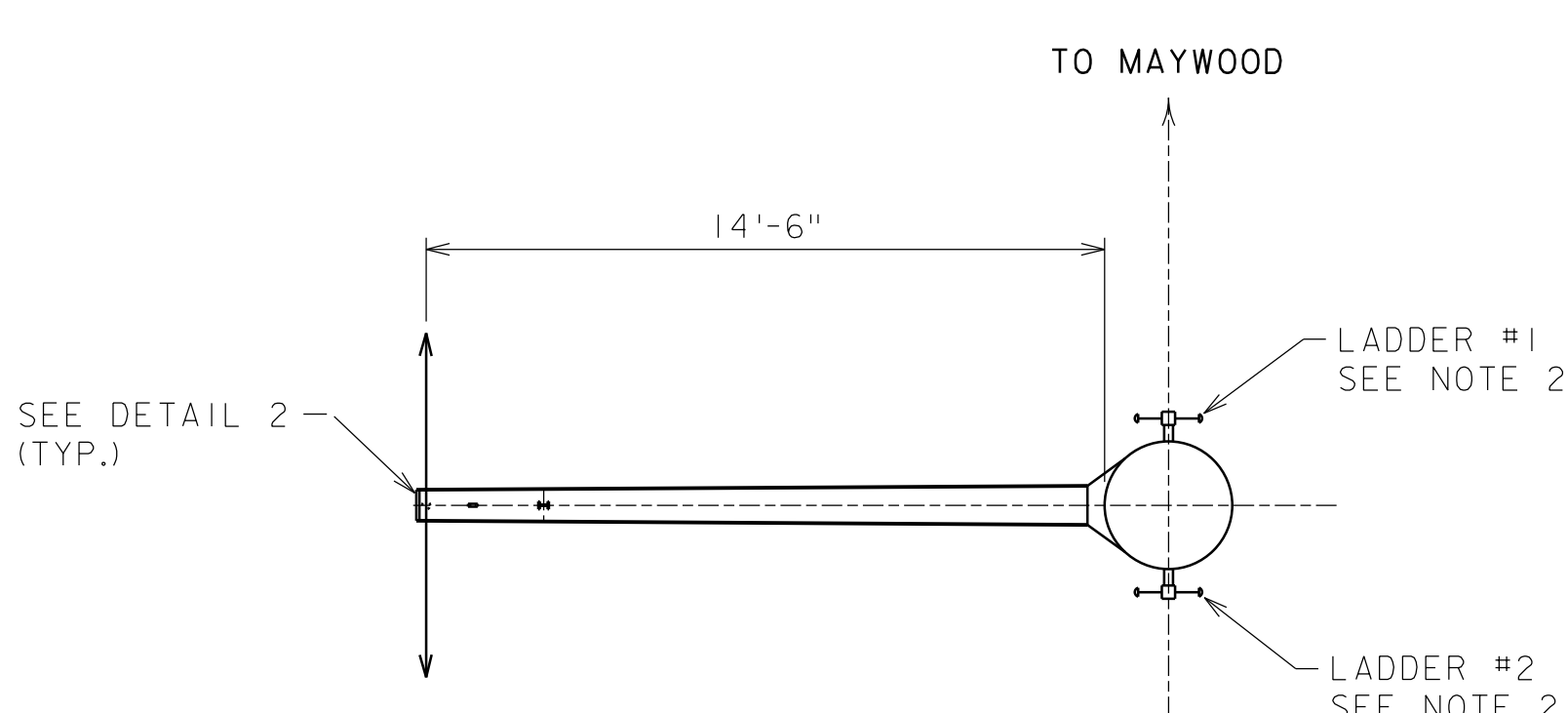
ELEVATION
ANCHOR BOLT FOUNDATION
LOOKING TOWARDS MAYWOOD SUBSTATION



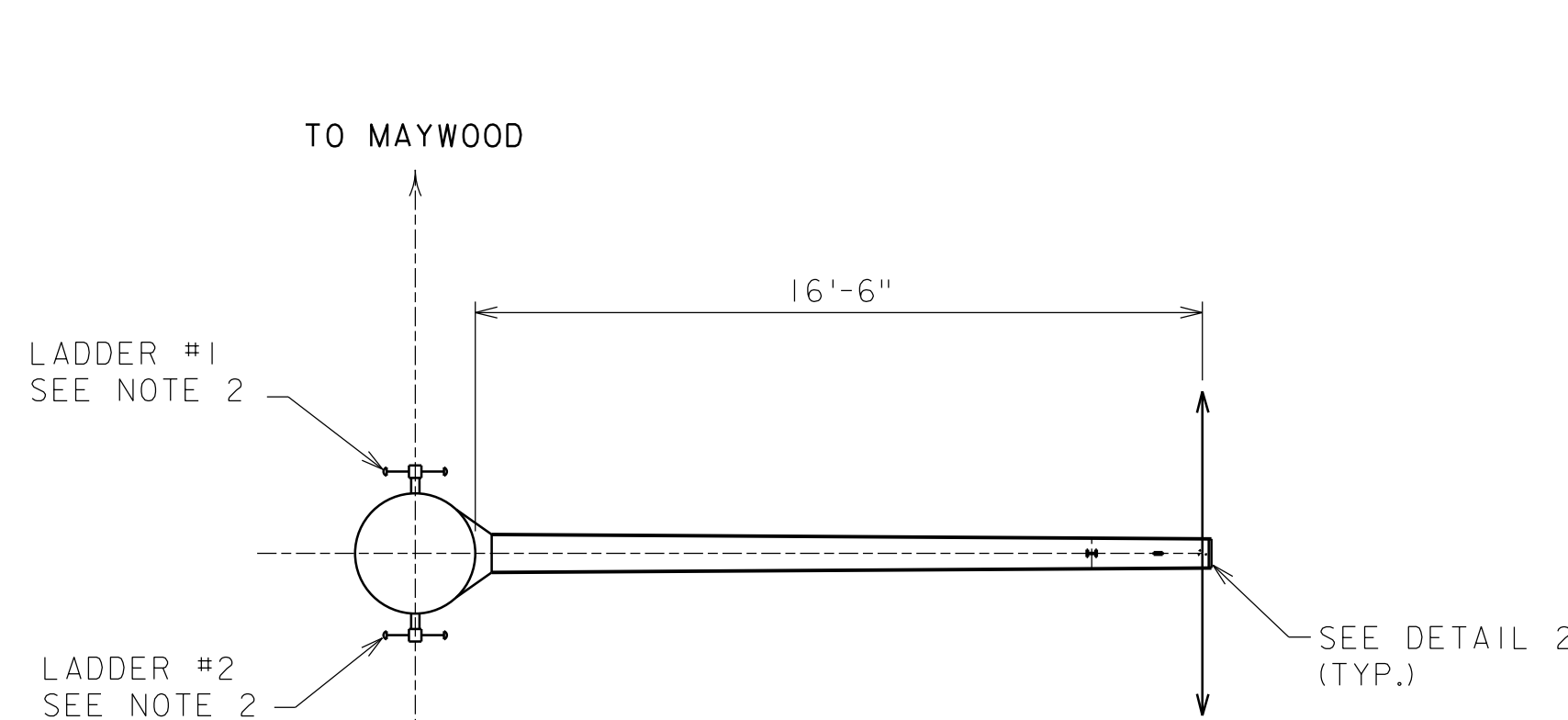
PLAN @ LEVEL "A"



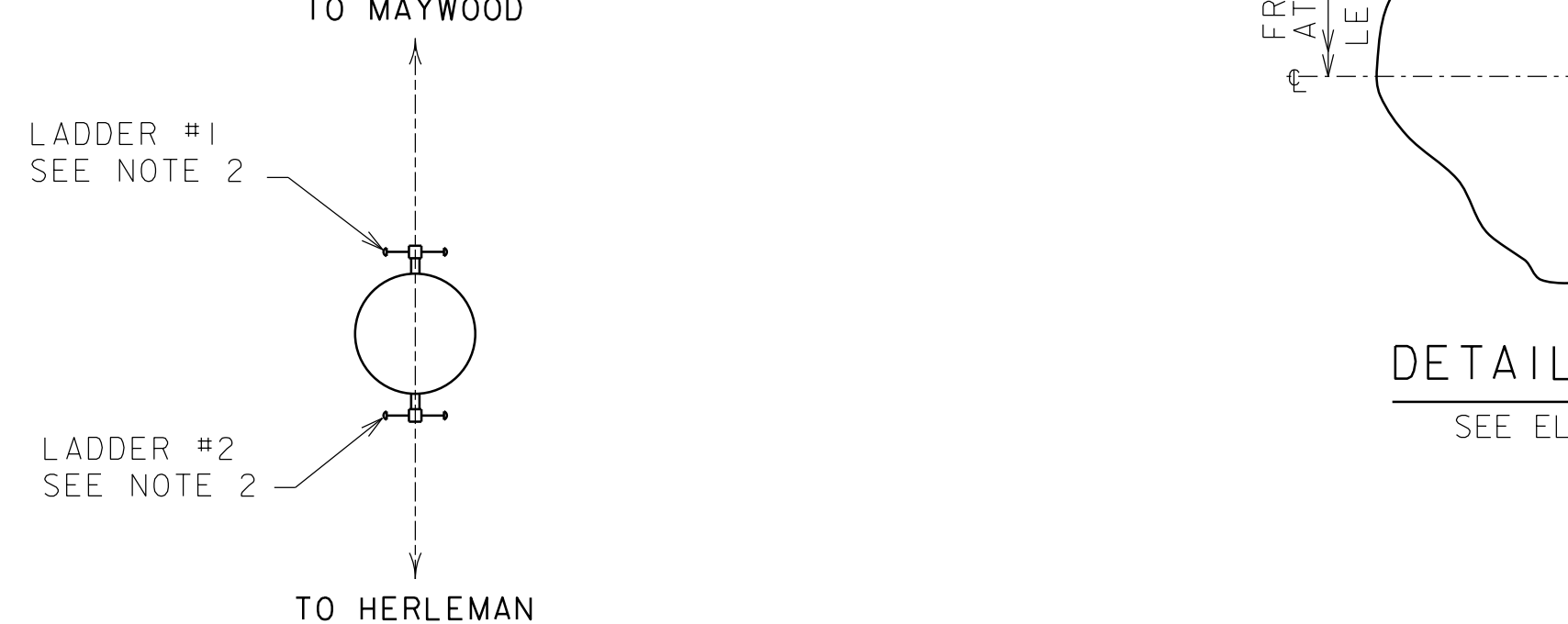
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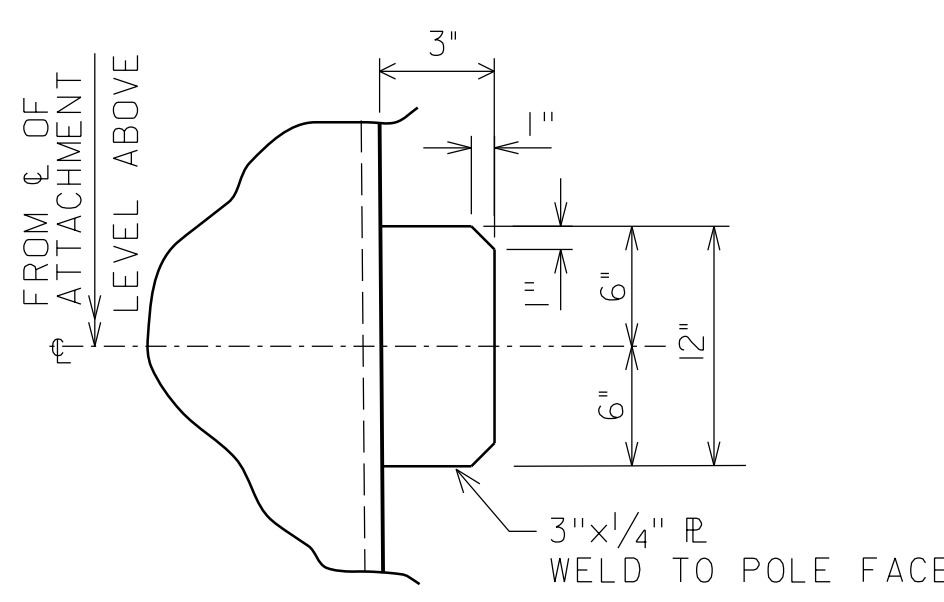
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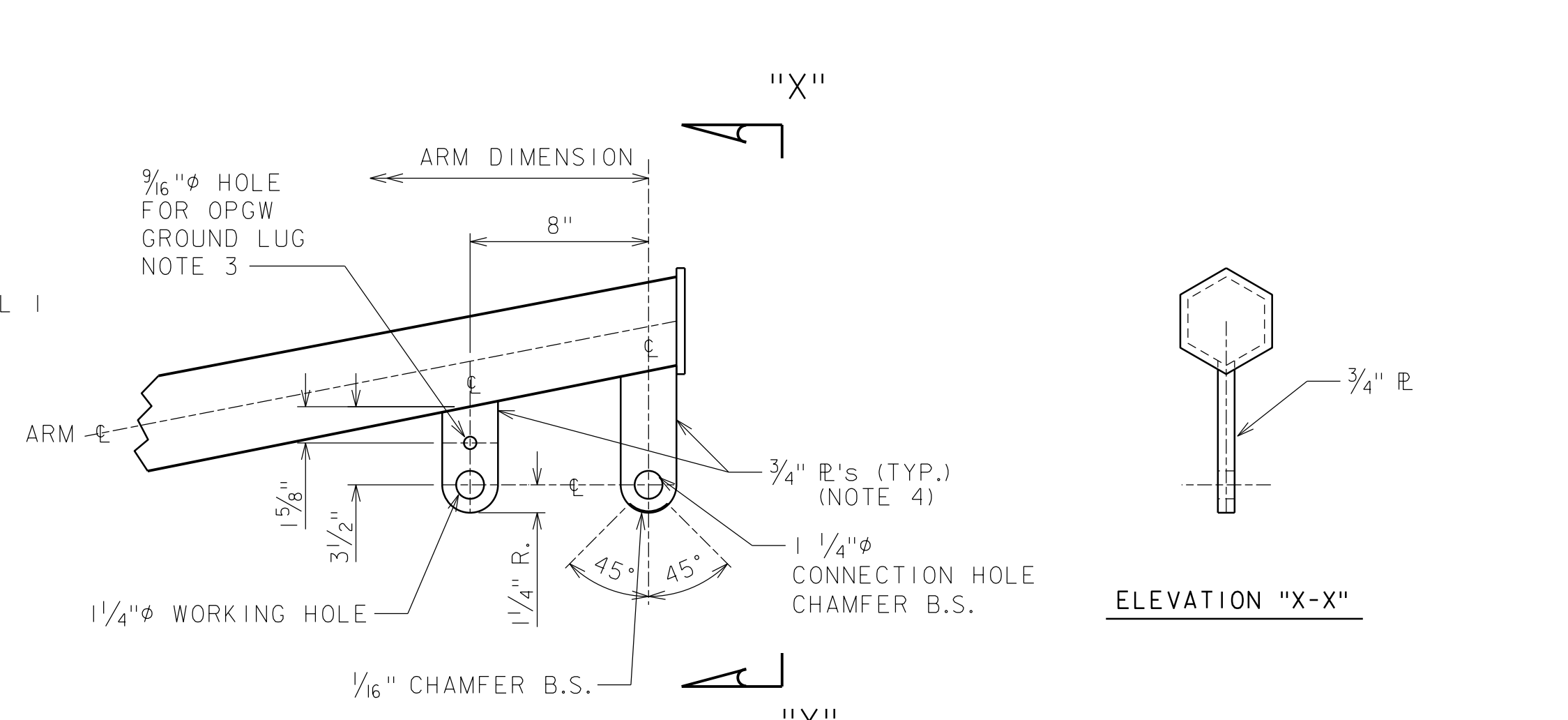
PLAN @ LEVEL "D"



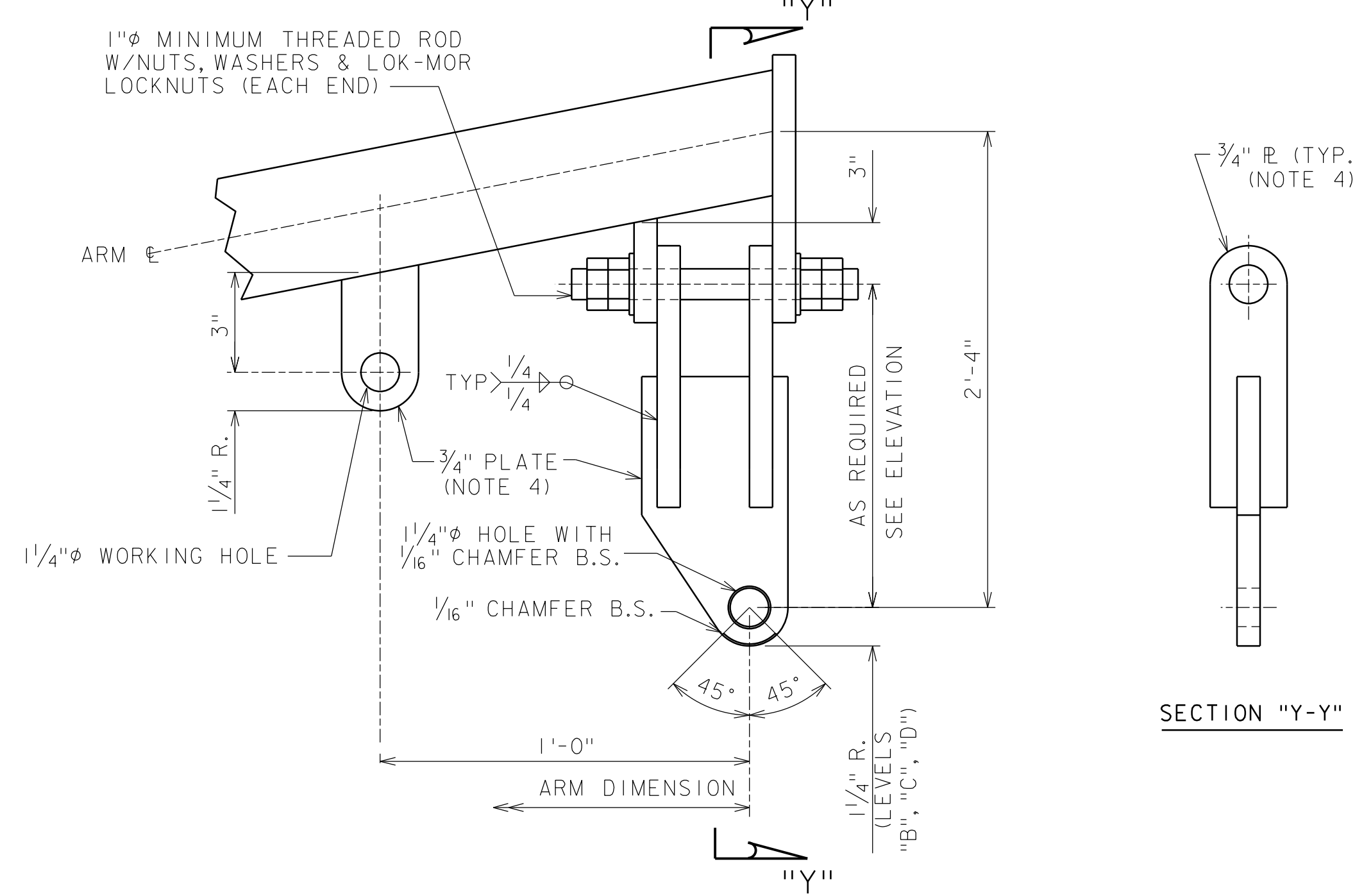
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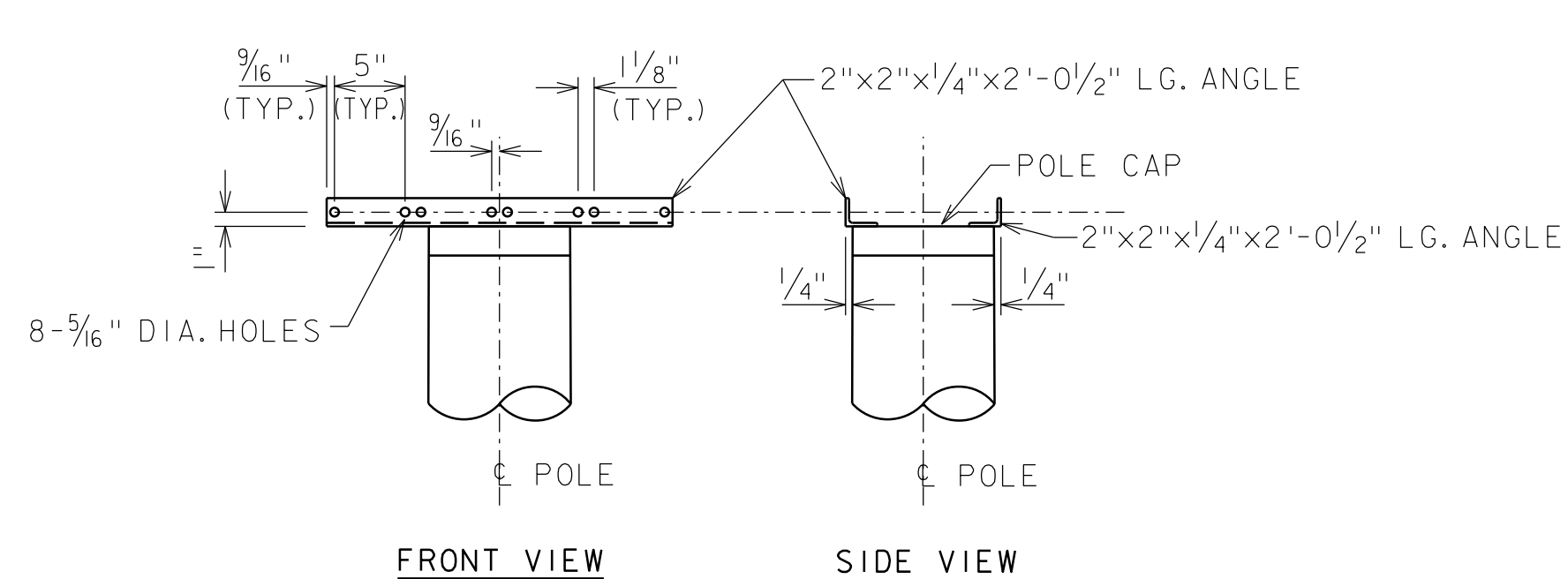
DETAIL-GROUNDING LUG
SEE ELEVATION FOR LOCATIONS
SEE NOTE 3



DETAIL 1 - RIGID SUSPENSION BRACKET, WORKING HOLE & OPGW GROUNDING LUG
SEE APPENDIX "B" & NOTE 1 FOR REFERENCE



DETAIL 2 - HANGER SUSPENSION BRACKET & WORKING HOLE



DETAIL-NUMBER SIGN BRACKET

- GENERAL NOTES:**
- DESIGN AND FABRICATION OF STEEL POLES SHALL BE IN ACCORDANCE WITH AMEREN SPEC. NO. EC-37 WHICH INCLUDES APPENDICES "A", "B", "C", "D", "E" AND DRAWING 7433-A-23986.
 - LADDERS SHALL BE REMOVABLE. FOR REMOVABLE LADDER ASSEMBLY DETAIL, SEE SPEC. EC-37, APPENDIX "C". FOR REMOVABLE LADDER CLIP DETAIL AND PLACEMENT, SEE SPEC. EC-37, APPENDIX "C". CHECK PURCHASE ORDER FOR REMOVABLE LADDER QUANTITY REQUIREMENTS.
 - GROUNDING LUGS AT TOP AND VANGS AT BOTTOM TO HAVE SAME FINISH AS POLE SHAFT SURFACE AS SPECIFIED IN PURCHASE ORDER.
 - SUSPENSION BRACKET STEEL TO BE ASTM A572, GRADE 65.
 - INSULATION COORDINATION-THE 7'-9" CLEARANCE DISTANCE APPLIED AT 60°F (FINAL) SAG WITH 6PSF WIND IS TO COORDINATE THE AIR GAP INSULATION WITH 18 INSULATOR UNITS FOR MAXIMUM LIGHTNING BACK FLASH PERFORMANCE AS FOLLOWS:
AIR GAP INSULATION = 7'-9"x240KV/FT (DRY AIR)=1860KV
18 PORCELAIN UNITS = 1850KV (4 MICROSECOND POSITIVE)
- GALLOPING NOTES:**
- IN GALLOPING TERRITORY - USE THIS STRUCTURE FOR SPANS 751'-950' AND THE OCCASIONAL SPANS OF 950'+. FOR 950'+ SPANS, USE ANTI-GALLOPING DEVICES.

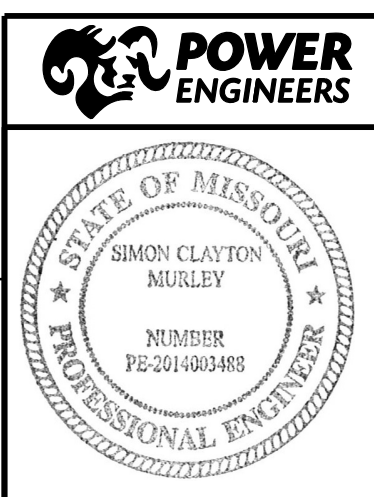
REFERENCE DRAWINGS:

T&D STANDARD	611306 REV 2
STR. DATA SHEETS	800035, 800197
LOAD TREE DWGS.	609170
STEEL POLE TABLES TYPE EPTDG	800013-2
HDW. ASSY. LOC.	800020
FOUNDATION DWG.	800206

TYPE	WIRE INFORMATION	EPTDG (0° - 1°)		
		BUNDLED CONDUCTOR	SHIELD WIRE	OPGW (AFL)
EPTDG	SIZE	954 54/7 ACSS/HS	7 NO 7 (1/16") AW	DNO-7330 (0.508") 48 FIBER
	RULING SPAN	500'-1200'	500'-1200'	500'-1200'
	CONTROL TENSION	5800 LBS @ 60°F (FINAL)	2075 LBS @ 60°F (FINAL)	2350 LBS @ 60°F (FINAL)
EPTDG	WIND LOAD	1200'	1200'	1200'
	VERTICAL LOAD	1400'	1400'	1400'

* H SPAN = (S₁ + S₂) / 2

E=EXTRA HIGH VOLTAGE (345KV)
P=POLE
T=TANGENT (0°-1°)
D=DELTA WIRE CONFIGURATION
G=GALLOPING



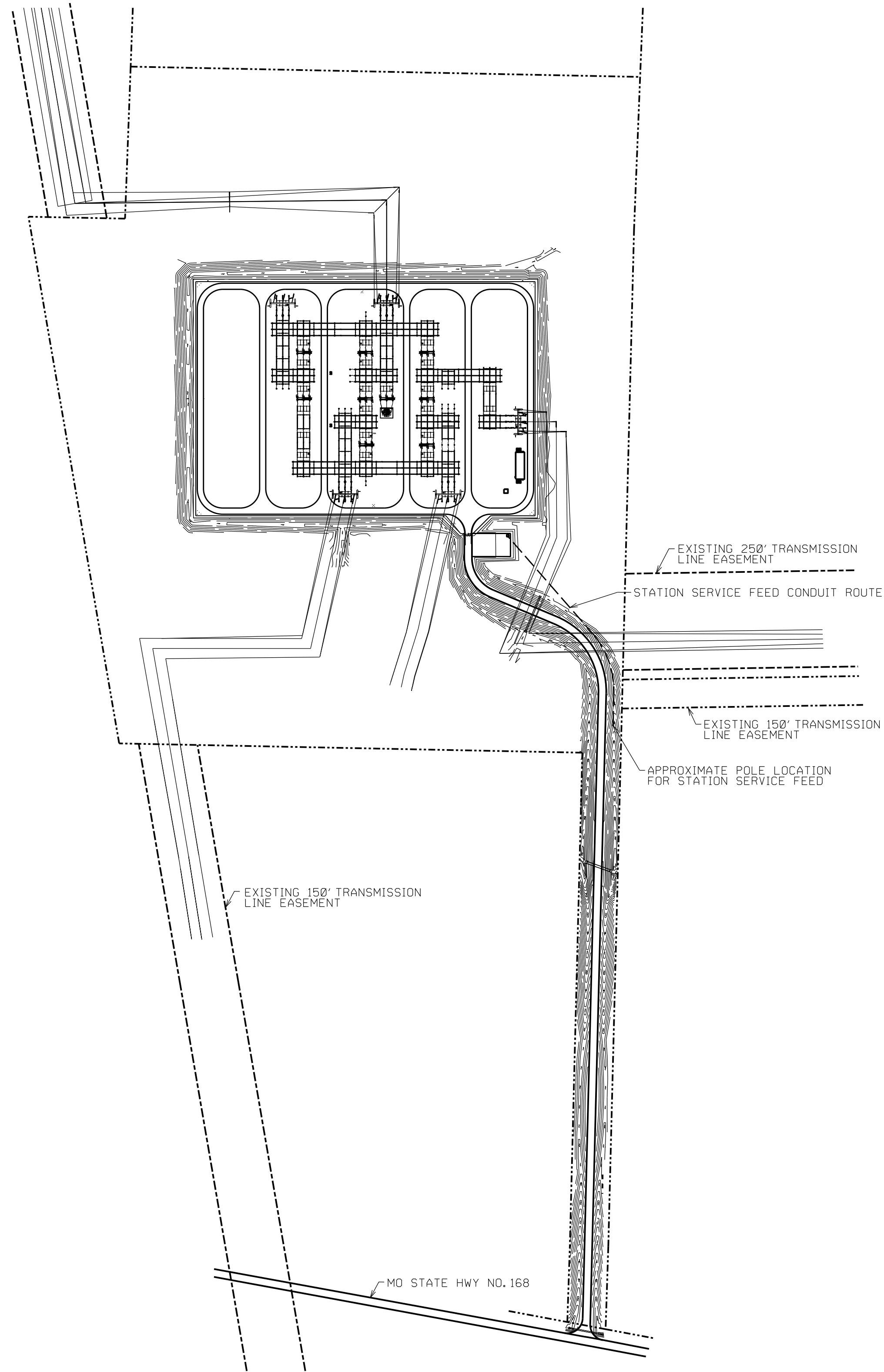
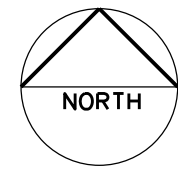
REV	PROJ	ID	DATE	DRWN	RW	APPR
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2	03/24/14	14	14	14	14	14
3	03/24/14	14	14	14	14	14
4	03/24/14	14	14	14	14	14
5	03/24/14	14	14	14	14	14
6	03/24/14	14	14	14	14	14
7	03/24/14	14	14	14	14	14
8	03/24/14	14	14	14	14	14
9	03/24/14	14	14	14	14	14
10	03/24/14	14	14	14	14	14

LINE CONSTRUCTION-345KV
STEEL POLE OUTLINE
POLE TYPE EPTDG
TANGENT STRUCTURE (0°-1°)

HERLEMAN - MAYWOOD-4549

800013-1

0



FILE: 81111
PRINTED BY: MURKOWSKI
DATE: 01/11/11



REV	PROJ	ID	DATE	DRWN	BY	APPR
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5	0	1	11/11/11	1	1	1
6	0	1	11/11/11	1	1	1
7	0	1	11/11/11	1	1	1
8	0	1	11/11/11	1	1	1
9	0	1	11/11/11	1	1	1
10	0	1	11/11/11	1	1	1



E-MAY-07.0

REV
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SCALE RATIO =



Illinois Rivers Program

Legend

345kV Transmission Lines

Substations

River Crossings

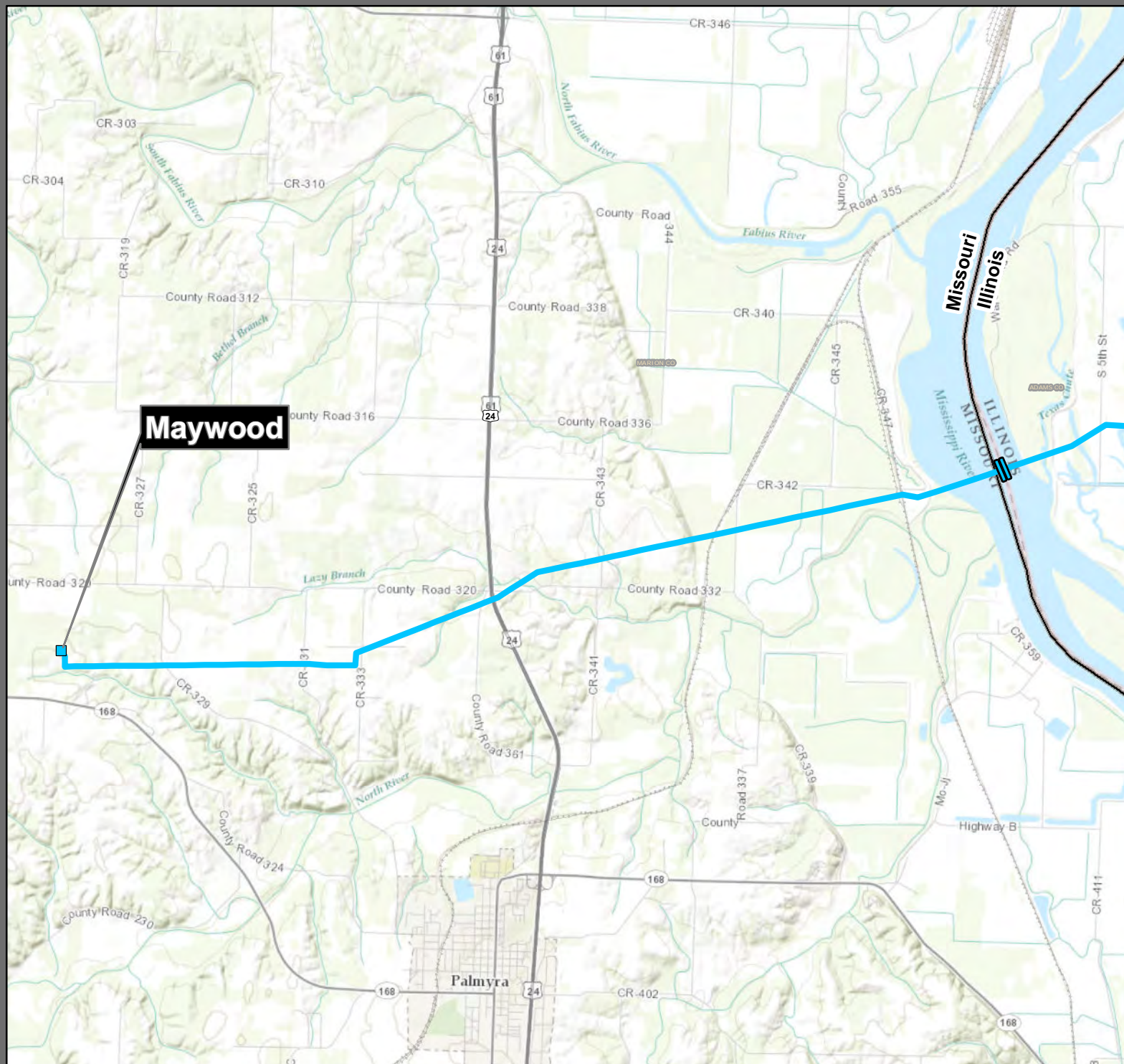
Laydown Yard

Roads

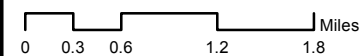
Interstate

US Highway

State Highway



1:76,000



DATE: 1/27/15

Drawn by: SJB

Appendix D

Project Design and Specifications

File Directory

In addition to being HIGHLY CONFIDENTIAL, the files contained on the CD titled “Appendix E-HC” contain Critical Energy Infrastructure Information (CEII) as set forth in the Federal Critical Infrastructure Information Act of 2002. It should not be posted publicly and can only be shared with people who have a Bulk Electric System operational need-to-know AND have executed a CEII General Non-Disclosure Agreement.

HMM Design Docs 2-3-15 HC, CEII

117-059 Herleman – Maywood_Access_Roads_2014_0613
117-073_ILR HMM Structure Information_01-30-15
117-074_ILR HMM Spacer Placement_06-17-14
117-075_ILR HMM Stringing Chart Notes
117-076_ILR HMM Stringing Chart – Conductor
117-077_ILR HMM Stringing Chart – OPGW
117-078_ILR HMM Stringing Chart – SW
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02371, General Requirements for Cast-In-Place Concrete Piers
03001, General Requirements for Concrete
AFL OPGW Installation Instructions
AFL OPGW Reel Handling and Storage – C-809-02
Assemblies B-1 & B-4_800028

Assemblies C, P & P-2_800030
Assemblies S-1 & T-1_800029
Assemblies W, W-2 & W-3_800027
BURNDY S2GBP48ASG1HT QTY RECOMMENDATION
Damper&Splice Assy Detail Dwg_800033
EC-21 Rev 10, General Cond of Specification[1]
EC-25 Rev 13, Wire Stringing and Installation of Hardware
EC-37 Steel Pole Specs Rev 22
EC-39 Rev 00, Storage Site Prep, Material Unloading
Foundation Drawing_800206
Grounding Details & Sign Mounting Detail Dwg_800034
Hardware Assembly Locations EPHAD800023
Hardware Assembly Locations EPLADG_800021
Hardware Assembly Locations EPLHAD_800025
Hardware Assembly Locations EPMAD_800022
Hardware Assembly Locations EPTD-DE_800024
Hardware Assembly Locations EPTDG_800020
Hardware Assembly Locations EPTDG-OPGW & EPLADG-OPGW_800031
Hardware Assembly Locations HER Arbor_800026
HMM Anchor Bolt Drawing 3_4_2014
Metal Fence Grounding Detail Dwg_800175
OPGW Assemblies_800032
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Sabre_Transmission Substation Installation Manual_Feb-2013
Section 01550, Temporary Site Access, Rev 2, 04-04-14
Section 02222, General Requirements for Excavations
Staking Drawing_800036
Staking Drawing_800037

Staking Drawing_800204
Steel Pole Outline Pole Type ELADG RT_800014
Steel Pole Outline Pole Type EPHAD LT_800018
Steel Pole Outline Pole Type EPHAD RT_800019
Steel Pole Outline Pole Type EPLADG LT_800015
Steel Pole Outline Pole Type EPLADG LT_800200
Steel Pole Outline Pole Type EPLADG RT_800016
Steel Pole Outline Pole Type EPLADG-OPGW LT_800205
Steel Pole Outline Pole Type EPLADG-OPGW RT_800199
Steel Pole Outline Pole Type EPLHAD LT_800202
Steel Pole Outline Pole Type EPMAD LT_800017
Steel Pole Outline Pole Type EPMAD RT_800201
Steel Pole Outline Pole Type EPTD-DE_800203
Steel Pole Outline Pole Type EPTDG_800013-1
Steel Pole Outline Pole Type EPTDG_800013-2
Steel Pole Outline Pole Type EPTDG-OPGW_800198
Structure Data Sheets_800035

HMX Design Docs 2-5-15 HC, CEII

Project Design

Access Road Design

HMX Access Road IFB Plans RevC 20141121

HMX MO Only Access Road IFB Plans RevC 20141121

Foundation Design

Calculations

HMX Foundation Structural Calculations Part 1

HMX Foundation Structural Calculations Part 2

HMX Foundation Structural Calculations Part 3

HMX Foundation Structural Calculations Part 4

HMX Foundation Structural Calculations Part 5
HMX Foundation Structural Calculations Part 6
HMX Foundation Structural Calculations Part 7
HMX Foundation Structural Calculations Part 8
HMX Foundation Structural Calculations Part 9
HMX Foundation Structural Calculations Part 10
REP-HMX 20140730

HMX MO Only-CROSSING 20141223

HMX_Final_Piling_BOM_20141223

HMX-CROSSING 20141223

Line Design

79-173_ILR HMX_Cost_Spec_Pkg 3_Rev C_12-15-14

herleman_maywood_span_tension_r0_022814

ROW Clearing

179-171_ILR HMX_Const_Spec_Pkg 1_Rev 0_11-05-14

Tower Design

345_kV_Dead_End_Anchor_Tower_Type_ERXDE-Design_Loading_Drawing_-_Preliminary_-_2_July_2014_-_Rev_1

345_kV_Tangent_Suspension_Tower_Type_ERXT_Design_Loading_Drawing_-_Preliminary_-_2_July_2014

anchor tower footing loads 90percent 7-2-14

HMX Tower Dwgs with Rushi's Comments for Line Constrction Bids 121114

river crossing tower footing loads 90percent 7-2-14

179-056_345kV Illinois Rivers Project_Design Criteria_Herleman-Maywood _HMX_022814

Project Specs

Access Road Specs

Ameren HMX Access Road Specifications Rev C

Foundation Specs

HMX_051200 – STRUCTURAL STEEL FRAMING _20141223

Hmx_316216 FL – STEEL PILES_20141223

Line Specs

094-743_OPGW_Splicing_and_Testing_Rev-0_05-27-14

EC-21 Rev 10, General Cond of Specification
EC-25 Rev 12, Wire Stringing and Installation of Hardware
EC-41 Rev 3, Forged Insulator for Hardware
Reel Handling and Storage – C-809-02
Section 01550, Rev 2, 04-04-14

Tower Specs

EC-7814 Rev 1, River Crossing and Anchor Tower Specifications
Specification No. 7830 Rev 3, Erecting River Crossing and Anchor Towers

Substation Specs 2-10-15 HC, CEII

Exhibit 02 – Substation Design Standard No. 02110 – General Requirements
Exhibit 02 – Substation Design Standard No. 02202 – General Requirements
Exhibit 02 – Substation Design Standard No. 02211 – General Requirements
Exhibit 02 – Substation Design Standard No. 02222 – General Requirements
Exhibit 02 – Substation Design Standard No. 02223 – General Requirements
Exhibit 02 – Substation Design Standard No. 02225 – General Requirements
Exhibit 02 – Substation Design Standard No. 02371 – General Requirements
Exhibit 02 – Substation Design Standard No. 02508 – General Requirements
Exhibit 02 – Substation Design Standard No. 02511 – General Requirements
Exhibit 02 – Substation Design Standard No. 02513 – General Requirements
Exhibit 02 – Substation Design Standard No. 02645 – General Requirements
Exhibit 02 – Substation Design Standard No. 02720 – General Requirements
Exhibit 02 – Substation Design Standard No. 02730 – General Requirements
Exhibit 02 – Substation Design Standard No. 02831 – General Requirements
Exhibit 02 – Substation Design Standard No. 02936 – General Requirements
Exhibit 02 – Substation Design Standard No. 03001 – General Requirements
Exhibit 02 – Substation Design Standard No. 05500 – General Requirements
Exhibit 2 – Technical Specifications

4 CSR 240-3.105(1)(B)1 Listing

TRANSMISSION AND DISTRIBUTION

Ameren Missouri Electric
Missouri Rural Electric Cooperative

MUNICIPALS

Marion County Public Water Supply District 1

TELEPHONE & CATV

AT&T
MNA-Bluebird
Mark Twain Rural Telephone
Century Link

GAS COMPANIES

Liberty Utilities

GAS PIPELINE COMPANIES

Nustar Pipeline Operating Partnership L.P.
Magellan Pipeline Company LP

RAILROADS

BNSF Railway Co.

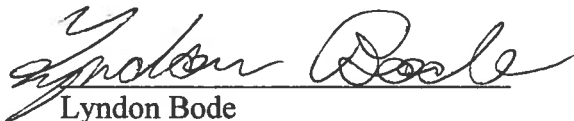
Assent of the County Commission of Marion County, Missouri

Now on this 17 day of February, 2015, the Marion County Commission hereby gives its assent, pursuant to Section 229.100, RSMo., for Ameren Transmission Company of Illinois to suspend electrical transmission wires alongside and/or across the public roads and highways of Marion County, Missouri, for the Illinois Rivers Transmission Project, which is comprised of a 345,000-volt electric transmission line approximately 7 miles in length and running generally from a new substation to be constructed near Palmyra, Missouri, and extending across the Mississippi River to Quincy, Illinois (the "Project").

Ameren Transmission Company of Illinois agrees to provide Commission with a proposed route map related to the Project; and to conduct all construction, operation and maintenance activities in the proximity of public roads and highways in a manner so as not to disrupt traffic.

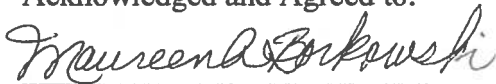
Ameren Transmission Company of Illinois shall be responsible for its electrical transmission wires, including any damages to the public roads and highways of Marion County, Missouri associated with their presence alongside and/or across the public roads, and shall defend, indemnify and hold the Commission and Marion County harmless for losses, claims or demands made against the Commission or the County related thereto.

Further, Ameren Transmission Company of Illinois agrees to suspend said transmission wires located alongside and/or across the public roads and highways of Marion County, Missouri, in accordance with all reasonable rules and regulations approved by the Commission.



Lyndon Bode
Presiding Commissioner
Marion County Commission

Acknowledged and Agreed to:



Maureen A. Borkowski
President
Ameren Transmission Company of Illinois

List of Agencies Contacted

Midcontinent Independent System Operator

US Army Corps of Engineers

Missouri Department of Conservation

US Fish & Wildlife Services

Federal Aviation Administration

Marion County Levee and Drainage District

Missouri Department of Natural Resources

Missouri Department of Transportation

Marion County Highway Department

Estimated Cost Breakdown for Project (Missouri portion)

Item	Cost
Maywood Switching Station	\$24M
Transmission Line	\$21.4M
River Crossing	\$22.7M
TOTAL	\$68.1M