



Appendix C

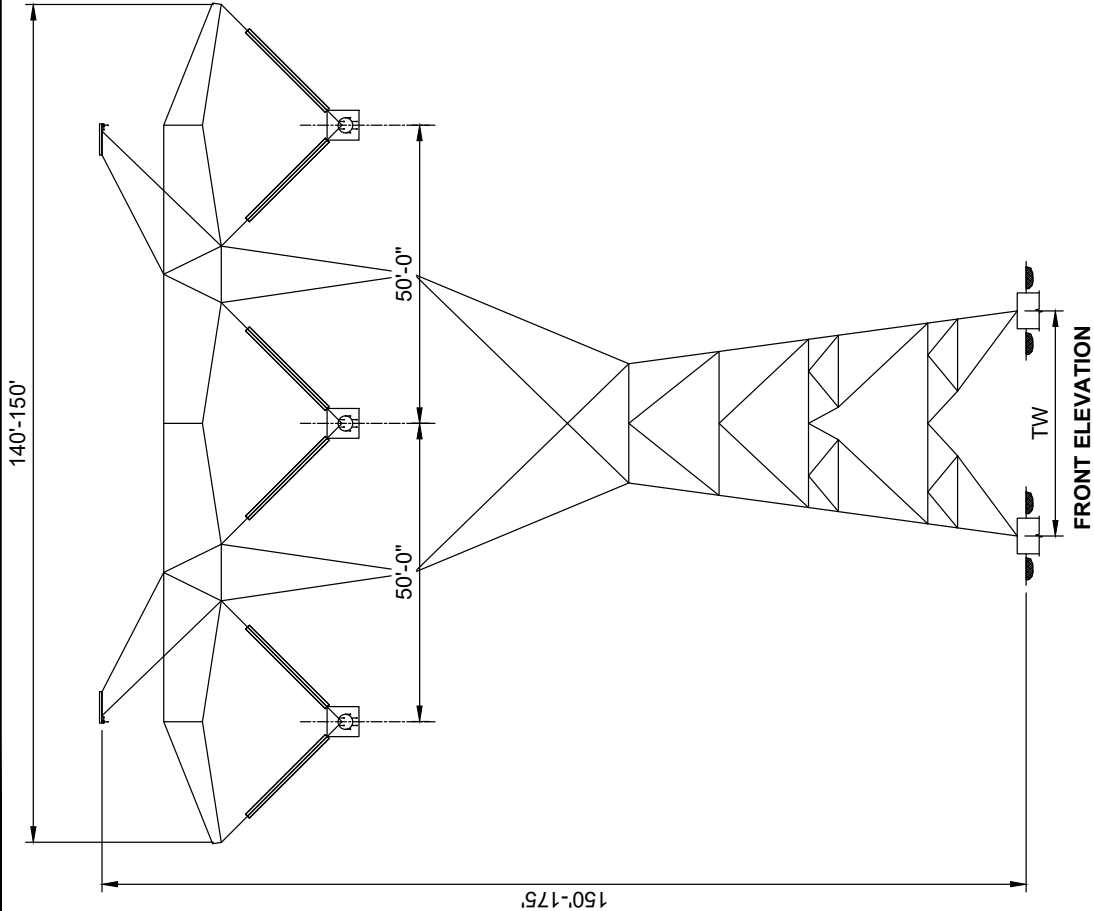
Technical Diagrams

Appendix C.1

765 kV Transmission Line Typical Structure

NOTES:

1. STRUCTURE DIMENSIONS:
HEIGHT RANGE: 150 FT TO 175 FT
FOOTPRINT SIZE (TWxLW): 35 FT x 35 FT TO 50 FT x 50 FT
STRUCTURE WIDTH: 140 FT TO 150 FT
FOUNDATION DEPTH: 25 FT TO 65 FT
3. MINIMUM DISTANCE FROM CONDUCTORS TO GROUND:
60 FT TO 80 FT





date

10/3/2025

designed

J. BROWN

PROPOSED TYPICAL LATTICE DESIGN

MN PUC CON for 765kV T-Lines

Conceptual Outline

Great River Energy

project

182390

contract

dwg. no.

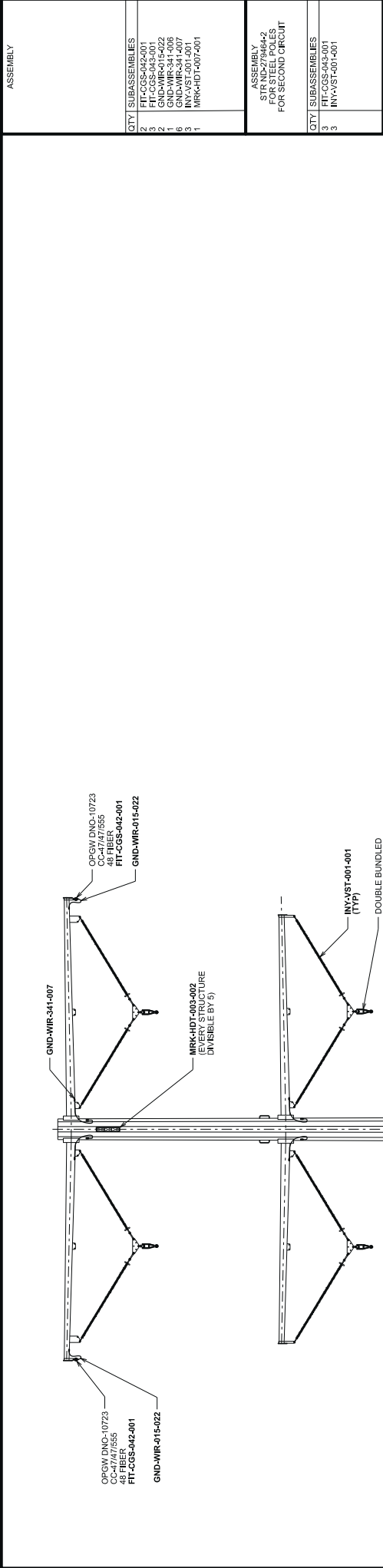
182390-CO-01

rev.

2

Appendix C.2

345 kV Transmission Line Typical Structure



DRAWING REFERENCE
PLAN & PROFILE
SUBASSEMBLY INDEX

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345 kV
STRUCTURE DRAWING - TANGENT - STEEL - D.C. - SINGLE POLE
TAN TO 2 DEGREE, DAVIT ARM, V-STRING

Xcel Energy

SCALE
AS NOTED

REV
0

REVISION DESCRIPTION

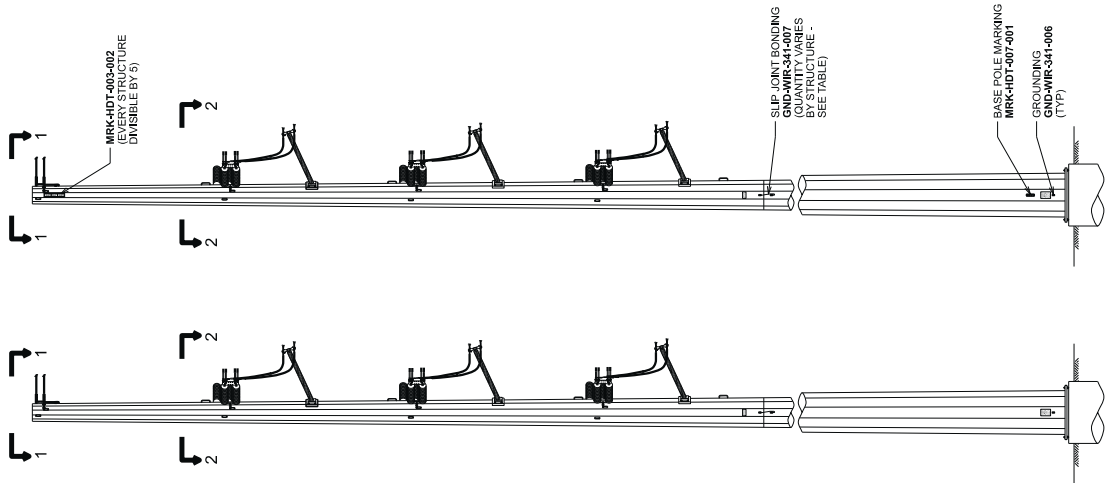
WBS 4

DATE

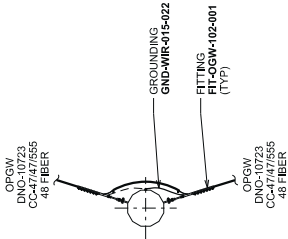
February 2026

C-4

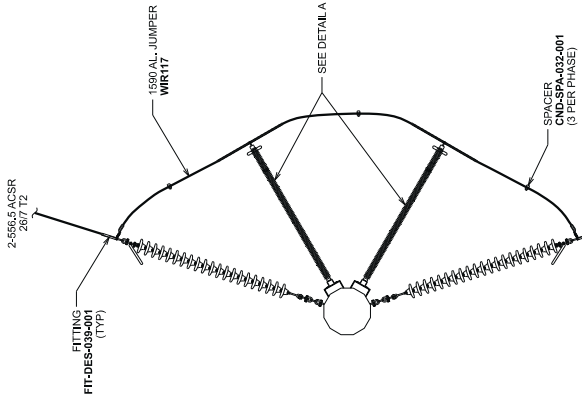
ASSEMBLY	
QTY	SUBASSEMBLIES
9	CND-SPA-032-001
2	FIE-OGW-102-001
1	FIT-DES-038-001
2	GND-WIR-341-002
2	GND-WIR-341-006
48	HDW-MBT-2043-001
12	MRK-HDT-003-002
1	MRK-HDT-007-001
330	WIR117 - 1590 AL
ASSEMBLY	
STR ND-279471-2	
FOR LINE POLES	
LINE 0982	
QTY	SUBASSEMBLIES
9	CND-SPA-032-001
6	FIT-DES-038-001
330	WIR117 - 1590 AL



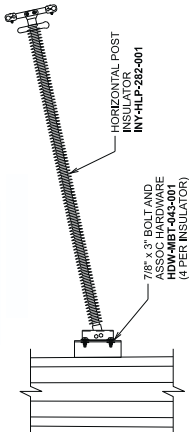
ELEVATION VIEW



SECTION 1-1
SHIELD WIRE
SCALE: NONE



SECTION 2-2
PHASE
SCALE: NONE



DETAIL A
HORIZONTAL POST INSULATOR
SCALE: NONE

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345 kV	
STRUCTURE DRAWING - DEADEND - TERMINAL - STEEL - ANGLE	
0 TO 95 DEGREE - DOUBLE CIRCUIT - 2-POLE, NO OPGW SPLICE	
SCALE	1/16"=1'-0"
REV	0



REV	DATE	WBS #	REVISION DESCRIPTION
	February 2026		