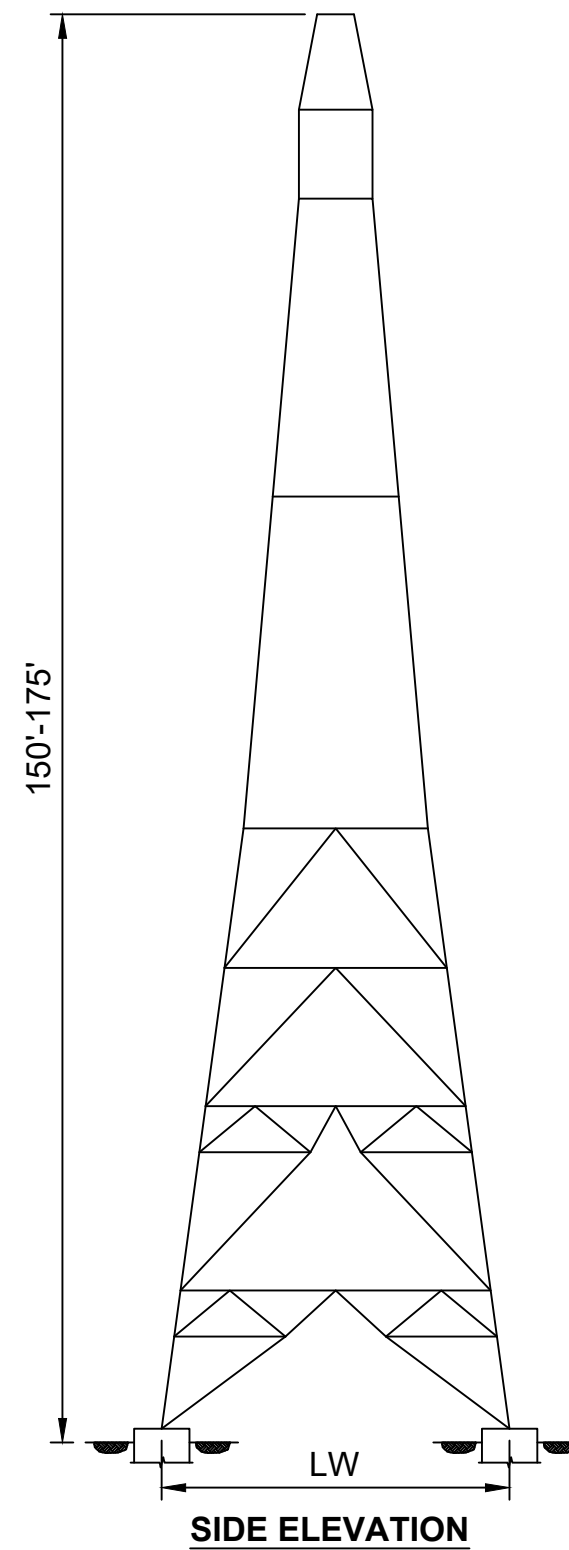
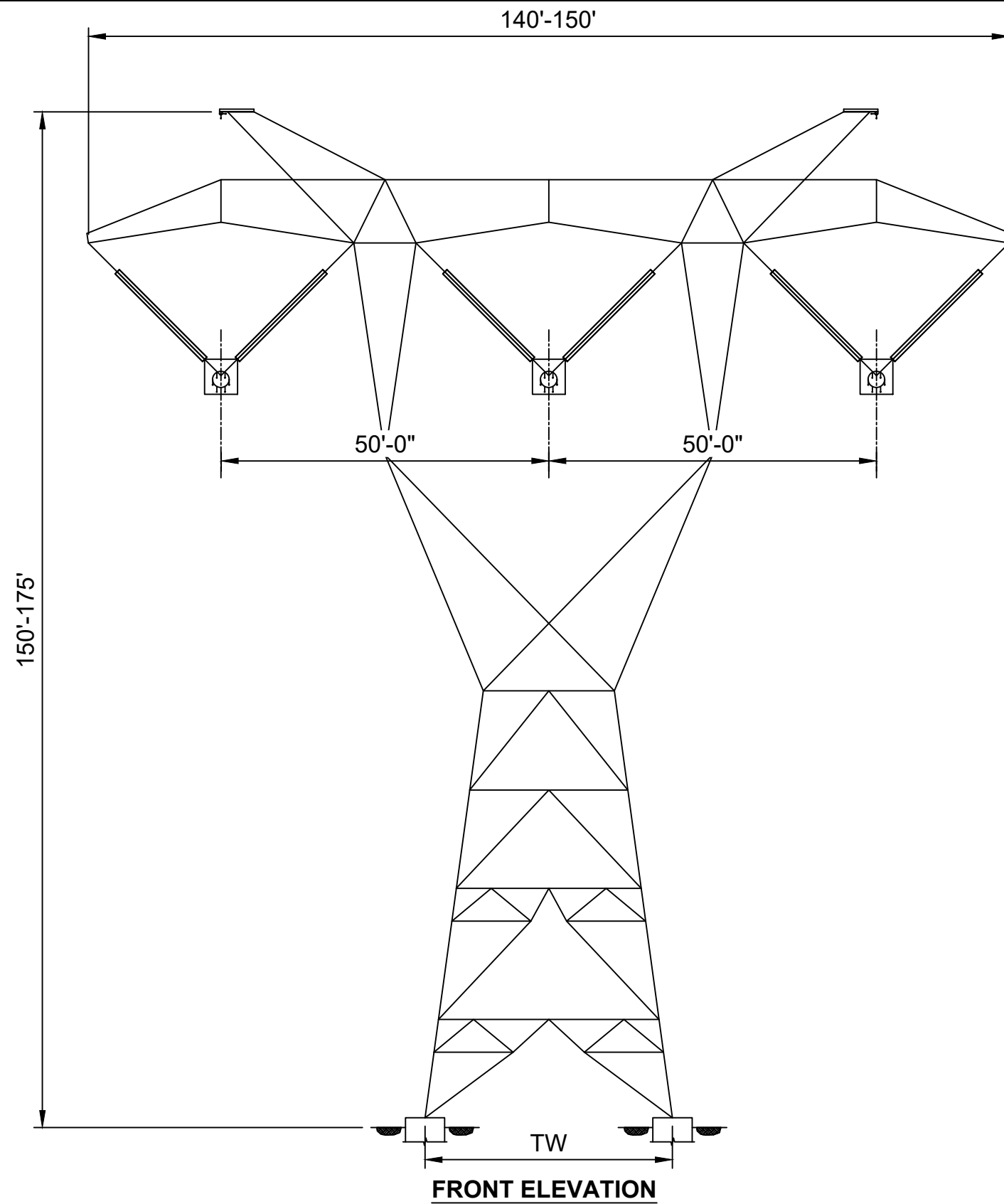


Appendix C

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
2. FOUNDATION DEPTH: 25 FT TO 65 FT
3. MINIMUM DISTANCE FROM CONDUCTORS TO GROUND:
60 FT TO 80 FT



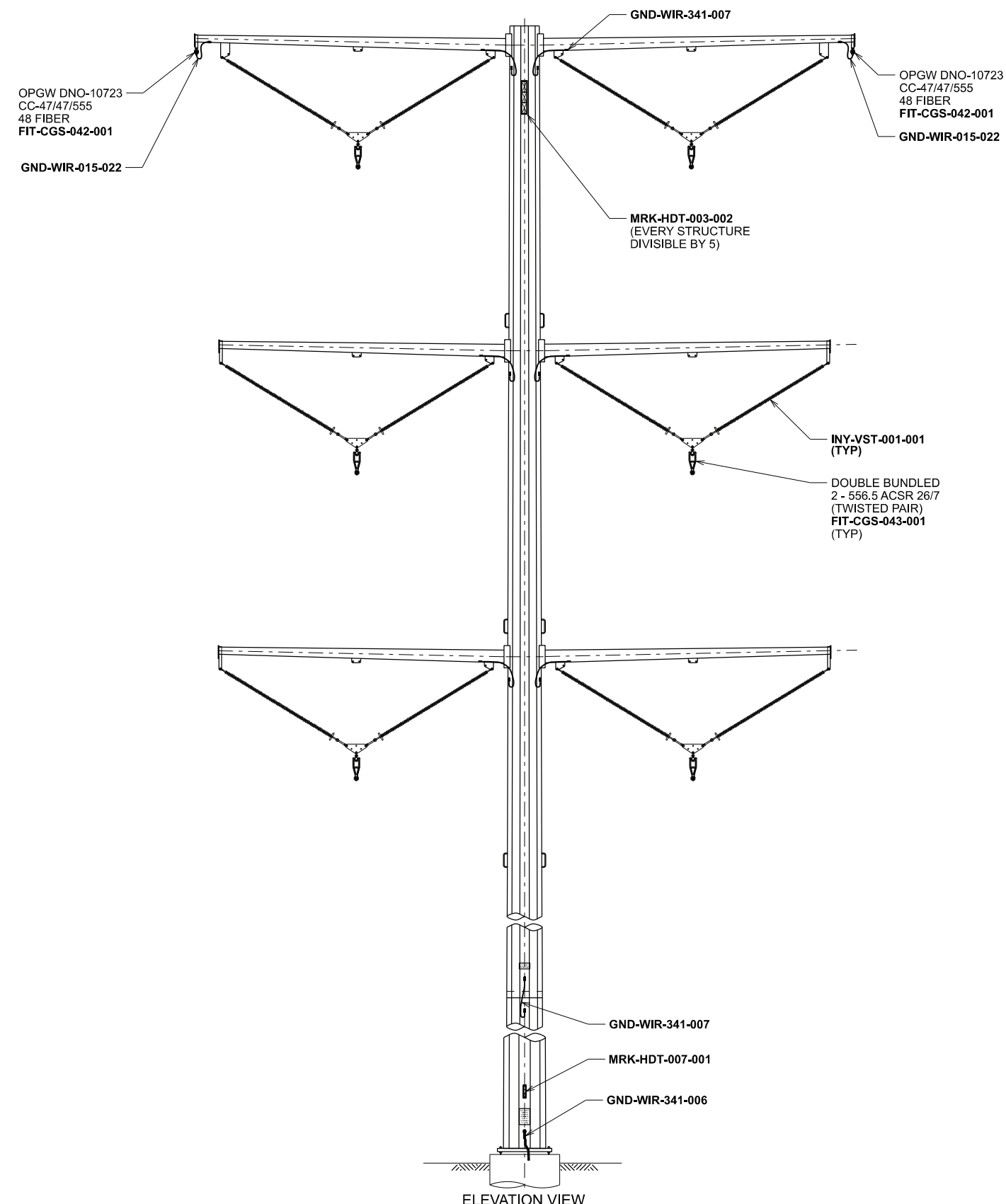
date 10/3/2025
designed J. BROWN

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



ASSEMBLY	
QTY	SUBASSEMBLIES
2	FIT-CGS-042-001
3	FIT-CGS-043-001
2	GND-WIR-015-022
1	GND-WIR-341-006
6	GND-WIR-341-007
3	INY-VST-001-001
1	MRK-HDT-007-001

ASSEMBLY STR ND-279464-2 FOR STEEL POLES FOR SECOND CIRCUIT	
QTY	SUBASSEMBLIES
3	FIT-CGS-043-001
3	INY-VST-001-001

DRAWING REFERENCE

PLAN & PROFILE _____
SUBASSEMBLY INDEX _____

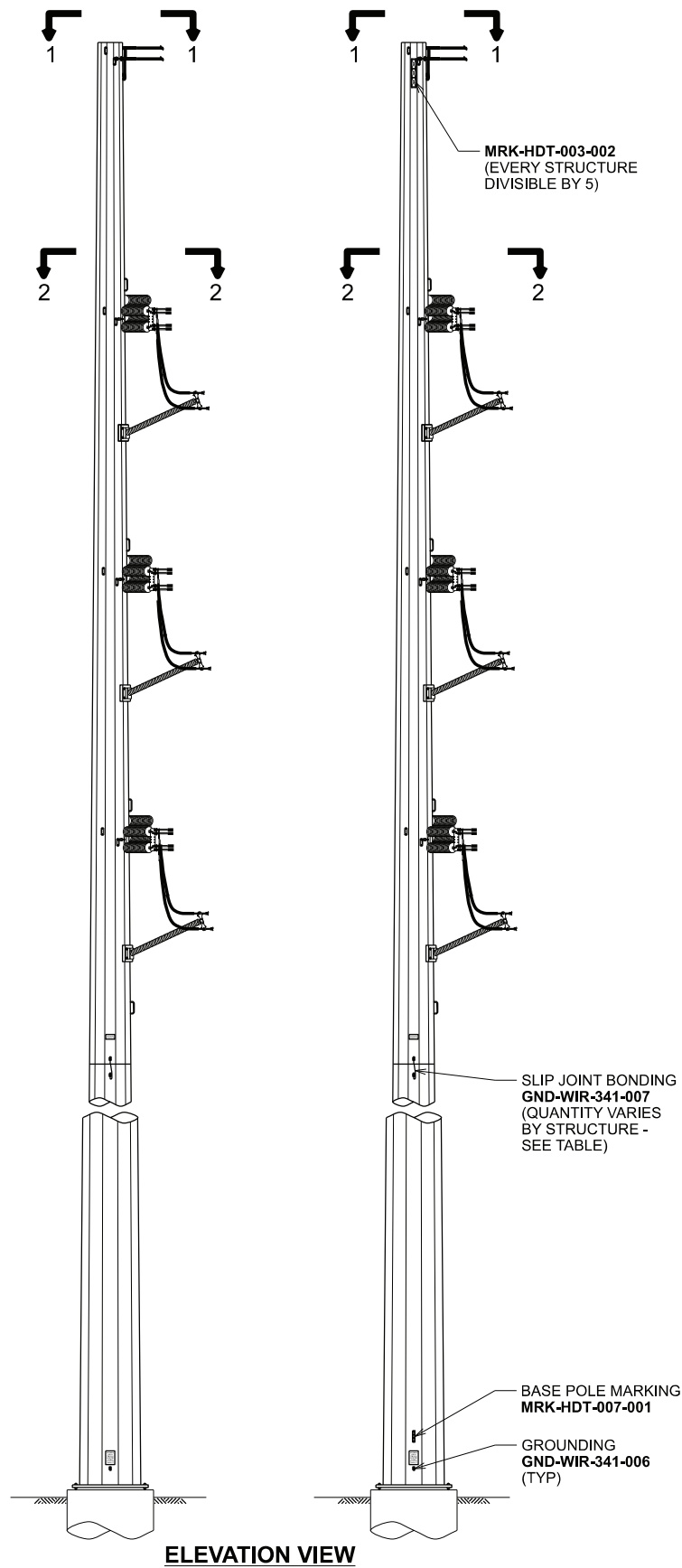
THIS PE SEAL IS ONLY APPLICABLE TO THE CURRENT CONSTRUCTION REVISION

ISSUED BY ENGINEERING DEPT FOR:

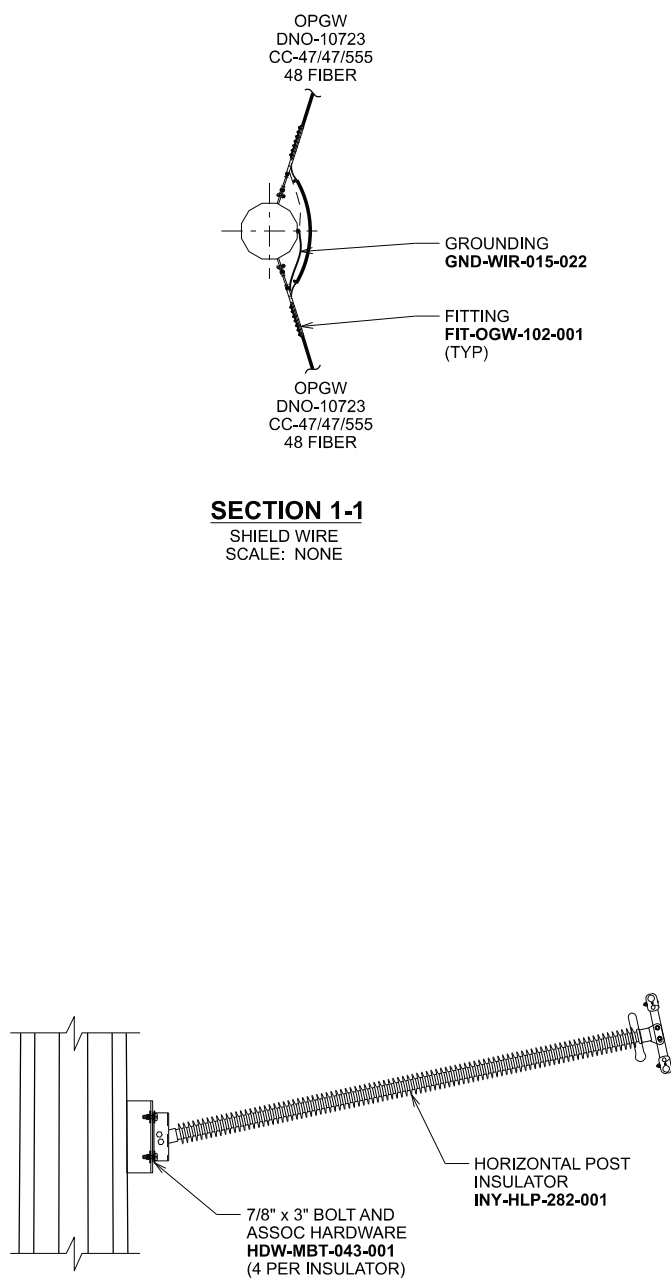
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INTERNAL INFORMATION; DO NOT COPY OR DISTRIBUTE WITHOUT EXPRESS WRITTEN CONSENT FROM XCEL ENERGY

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

REV	DATE	WBS 4	REVISION DESCRIPTION
February 2026			

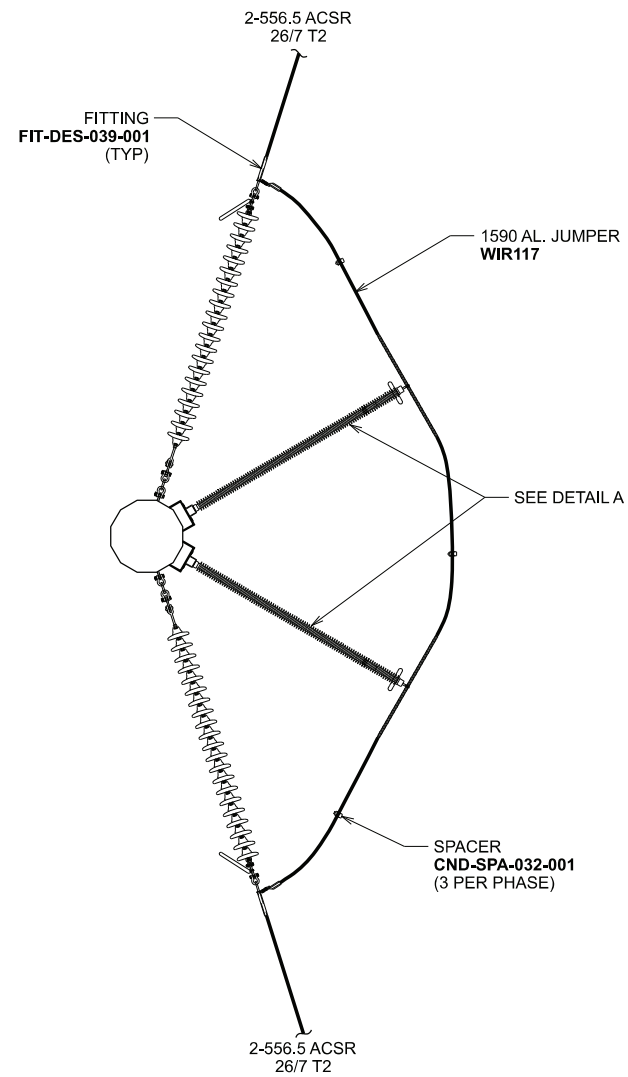


ELEVATION VIEW



SECTION 1-1
SHIELD WIRE
SCALE: NONE

DETAIL A
HORIZONTAL POST INSULATOR
SCALE: NONE



SECTION 2-2
PHASE
SCALE: NONE

DRAWING REFERENCE

PLAN & PROFILE _____
SUBASSEMBLY INDEX _____

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STRUCTURE DRAWING - DEADEND - TERMINAL - STEEL - ANGLE
0 TO 95 DEGREE - DOUBLE CIRCUIT - 2-POLE, NO OPGW SPLICE



SCALE
1/16"=1'-0"

REV
0

ASSEMBLY

QTY	SUBASSEMBLIES
9	CND-SPA-032-001
2	FIB-OGW-102-001
6	FIT-DES-039-001
2	GND-WIR-015-022
2	GND-WIR-341-006
48	HDW-MBT-043-001
12	INY-HLP-282-001
1	MRK-HDT-007-001
330	WIR117 - 1590 AL

ASSEMBLY
STR ND-279471-2
FOR STEEL POLES
LINE 0982

QTY	SUBASSEMBLIES
9	CND-SPA-032-001
6	FIT-DES-039-001
330	WIR117 - 1590 AL.

REV	DATE	WBS 4	REVISION DESCRIPTION
February 2026			C-5