Appendix I
Typical Transmission Structures

Xcel Energy
Docket No. E-002/GS-21-191
Docket No. E-002/TL-21-190
Docket No. E-002/TL-21-189
April 2021

Structure Drawing Summary

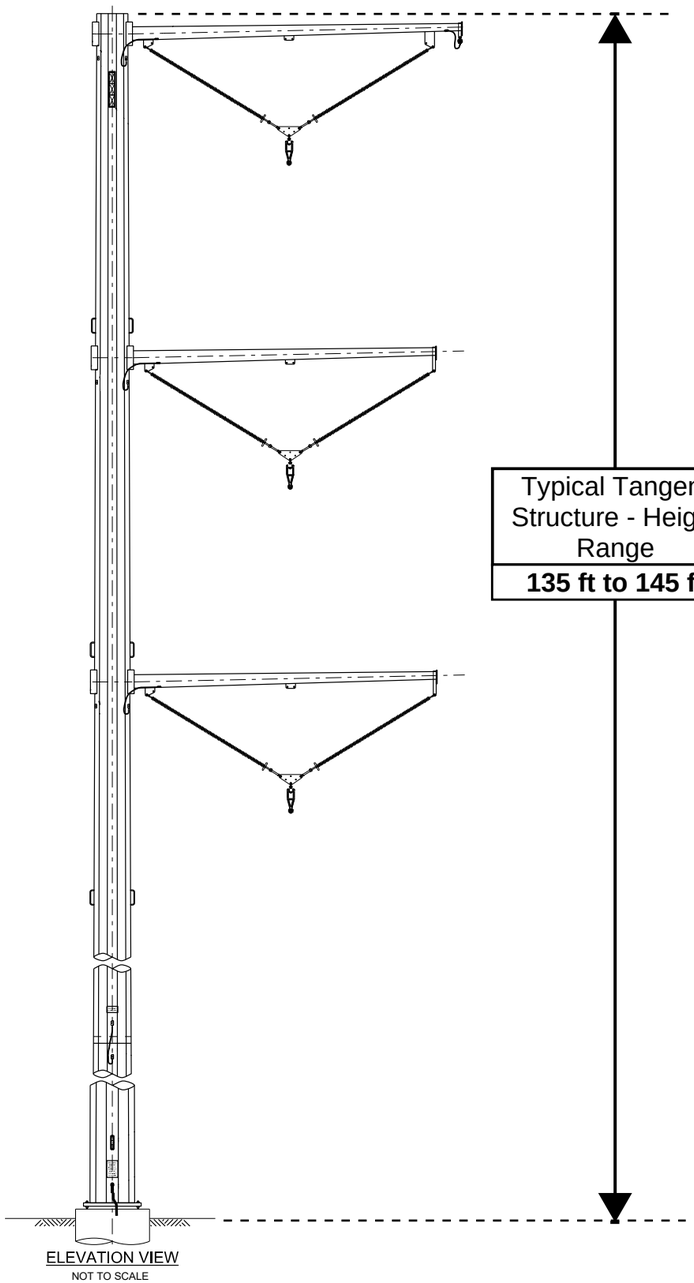
Drawing #	Description
ND-SHSOGTL-P-1SC	Tangent - Single Circuit Configuration (Double Circuit Capable), Steel, Davit Arm V-String type Structure on Foundation
ND-SHSOGTL-P-2SC	Angle - Single Circuit Configuration (Double Circuit Capable), Steel, Davit Arm V-String type Structure on Foundation
ND-SHSOGTL-P-3SC	Deadend - Single Circuit Configuration (Double Circuit Capable), Steel, 1-pole, Vertical phase geometry

PROPOSED STRUCTURE DESIGN - DRAWING PACKAGE

SHERCO Solar - Gen-Tie Line Project

Single Circuit Configuration, Double Circuit Capable Structures

SHERCO Solar Project
Sherburne County, MN



ELEVATION VIEW
NOT TO SCALE

SINGLE CIRCUIT (D.C. CAPABLE) - TAN-2° - DAVIT ARM - V-STRING - ON FDN

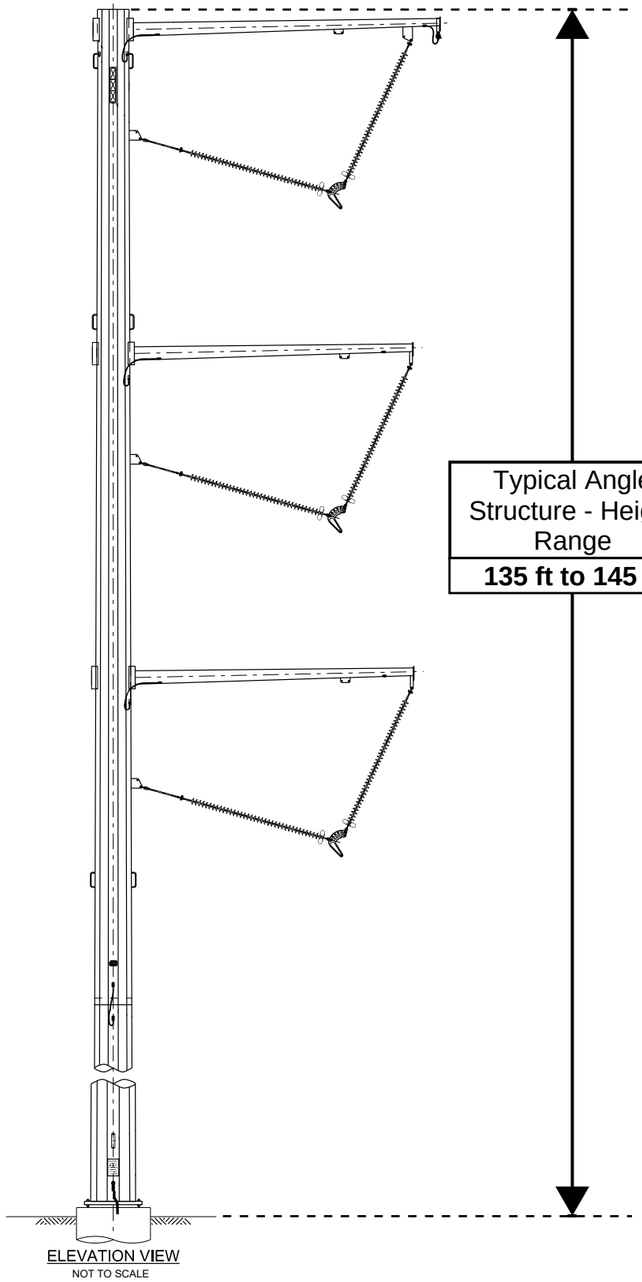
PRELIMINARY - NOT FOR CONSTRUCTION

ISSUED BY ENGINEERING DEPT FOR: PERMIT

SHERCO Solar - Gen-Tie Line 345 kV
STRUCTURE DRAWING - TANGENT - S.C. CONFIG - STEEL - SINGLE POLE -TAN TO 2 DEGREE - DAVIT ARM - V-STRING - ON FDN

Xcel Energy®	ND-SHSOGTL-P-1SC	SCALE AS NOTED	REV 0

SHERCO Solar Project
Sherburne County, MN



ELEVATION VIEW
NOT TO SCALE

SINGLE CIRCUIT (D.C. CAPABLE) ANGLE - DAVIT ARM - V-STRING - ON FDN

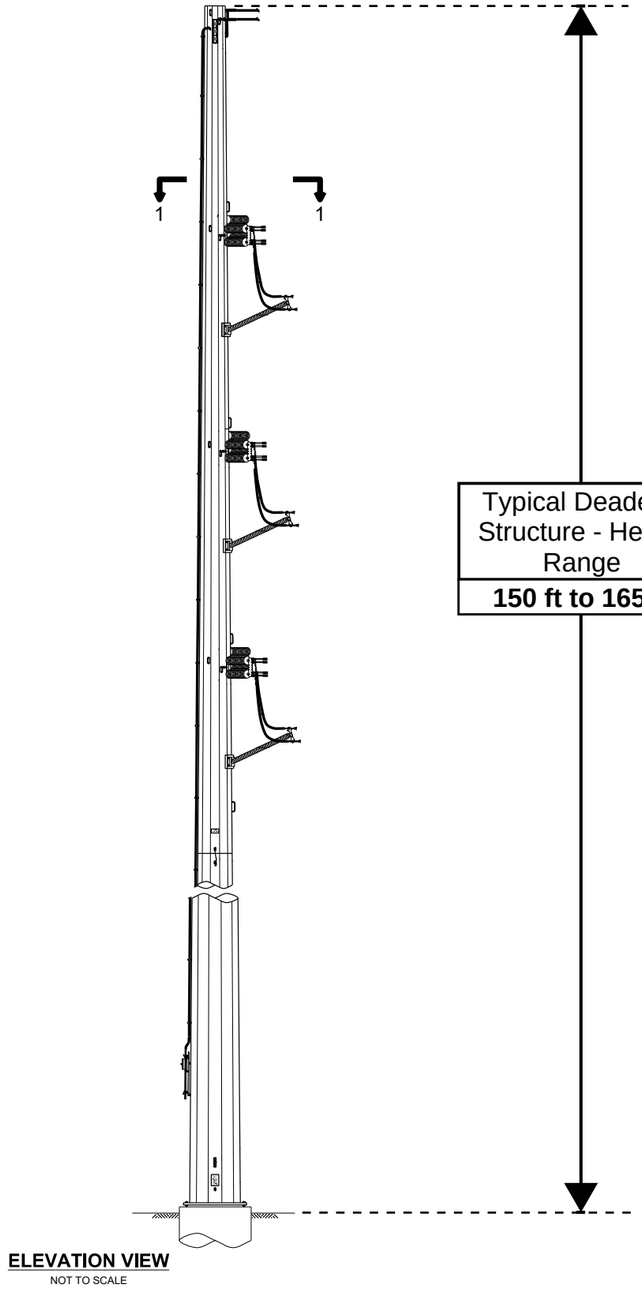
PRELIMINARY - NOT FOR CONSTRUCTION

ISSUED BY ENGINEERING DEPT FOR: PERMIT

SHERCO Solar - Gen-Tie Line 345 kV
STRUCTURE DRAWING - ANGLE - S.C. CONFIG - STEEL - SINGLE POLE - DAVIT ARM - V-STRING - ON FDN

Xcel Energy® | ND-SHSOGTL-P-2SC | SCALE AS NOTED | REV 0

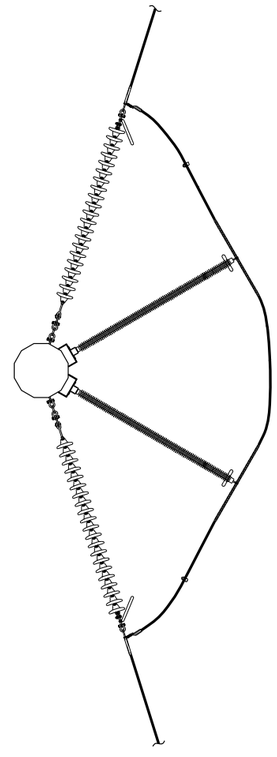
SHERCO Solar Project
Sherburne County, MN



Typical Deadend Structure - Height Range

150 ft to 165 ft

ELEVATION VIEW
NOT TO SCALE



SECTION 1-1

SINGLE CIRCUIT - DEADEND - 1-POLE
STEEL - 0-90 DEG - ON FDN

PRELIMINARY - NOT FOR CONSTRUCTION

ISSUED BY ENGINEERING DEPT FOR: PERMIT

SHERCO Solar - Gen-Tie Line 345 kV
STRUCTURE DRAWING - DEADEND - ANGLE - TERMINAL - S.C. 1-POLE
CONFIG - STEEL - 0 TO 90 DEGREE - ON FDN

Xcel Energy® | ND-SHSOGTL-P-3SC | SCALE AS NOTED | REV 0