New York State Electric & Gas Corporation

Jennison Transmission Solution Project

Exhibit E-1

Description of Proposed Transmission Facilities

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LIST OF FIGURES

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EXHIBIT E-1: DESCRIPTION OF PROPOSED TRANSMISSION FACILITIES

E-1.1 Design Standards

The Project[1] will be designed to meet or exceed all requirements for electrical clearances and mechanical strength for Grade B Construction set forth in the American National Standard Institute (ANSI C2, 2017 edition) and the NESC, both as in effect at the time of design. Conductor-to-ground electrical clearances at short-time emergency New York Power Pool ratings used in the design of the Project will also meet those recommended in the NESC.

Table E-1-1: Design Standards

TRANSMISSION LINES	
Length of Construction/Reconstruction	Proposed Line 734 – 6.66 miles
	Proposed Line 946 – 14.71 miles
	Proposed Line 949 – 25.36 miles
	Proposed Line 943 – 0.13 mile
	Proposed Line 954 – 0.49 mile
	Proposed Line 919 – 0.08 mile
	Proposed Line 756 – 0.07 mile
	(Temp) 949 Bypass – 4.5 miles
	(Temp) 946/949 Bypass – 0.3 mile
	Total Length (Excluding Temp) – 47.5 miles
Design Voltage	All Lines 115 kV
Operating Voltage	All Lines 115 kV
Initial Operating Voltage Conductor	All Lines 115 kV
Type, Material, and Size:	All Lines Besides 949 Temp: Aluminum Conductor, Steel Reinforced (ACSR)1192 circular mil (kcmil) 45/7 "Bunting" 949 Temp Bypass: Aluminum Conductor, Steel Reinforced, (ASCR) 336 circular mil (kcmil) 26/7 "Linnet"
Quantity:	3 per circuit, 1 per phase (3 phases)
Overall Diameter:	All Lines Besides 949 Temp: 1.302 inches 949 Temp Bypass: 0.720 inch

[1] For clarity and consistency, the Application includes a Master Glossary of Terms that defines terms and acronyms used throughout the Application.

Cross Sectional Area:	All Lines Besides 949 Temp: 1.001 square inches 949 Temp Bypass: 0.070 square inch
Rated Strength:	All Lines Besides 949 Temp: 32,000 pounds 949 Temp Bypass: 14,100 pounds
STATIC WIRE	
Type, Material:	All Lines Besides Temp Bypasses: OPGW 72 Fibers DNO-11467 or equivalent 949 and 949/946 Temp Bypass: OHSW 7#7 Alumoweld
Diameter:	All Lines Besides Temp Bypasses: 0.583 inch 949 and 946/949Temp Bypass: 0.433 inch
Quantity:	1 per circuit
Rated Strength:	All Lines Besides Temp Bypasses: 20,723 pounds 949 and 946/949 Temp Bypass: 19,060 pounds
INSULATOR	
Type, Material:	Toughened Glass Bells
Diameter:	10 inches Suspension 11 inches Strain
Quantity:	Suspension: 8–11 insulator units per phase, 3 insulator strings per circuit Strain: 8–11 insulator units per phase, 6 insulator strings per circuit
Rated Strength:	30,000 – 40,000 pounds
Types/Design:	Toughened Glass Suspension
Color:	Clear
Type, Material:	Polymer Braced Post
Diameter:	6.2 inches
Rated Strength:	Vertical: 10,590 pounds Transverse Tension: 12,500 pounds Compression: 12,120 pounds Longitudinal: 2,360 pounds
Types/Design:	Polymer Braced Post
Color:	Grey
STRUCTURES – LIGHT DUTY STEEL	
Types:	Tangent suspension Tangent suspension H-frame Tangent braced post Angle suspension Angle braced post Angle dead-end Angle dead-end on davit arms Three pole dead-end
Material:	Steel

Typical Height Above Ground:	90.5 feet
Preservative Treatment:	Self-Weathering
Color:	Rust
(949 TEMP) STRUCTURES – WOOD MONOPOLE	
Types:	Tangent braced post Angle suspension Angle braced post Angle dead-end
Material:	Treated Wood
Typical Height Above Ground:	65.5 feet
DAVIT ARMS	
Material:	Steel
Preservative Treatment:	Self-Weathering
Color:	Rust

E-1.2 Design References

The design of the Project will be in accordance with all applicable federal, state, and local codes and industry standards, unless stated otherwise. The industry codes and standards shall include, but shall not be limited to, the following:

- NESC 2023
- ANSI C2
- American Society of Civil Engineers /Structural Engineering Institute (SEI) 48-19, Design of Steel Transmission Pole Structures
- ASCE 74, Guidelines for Electrical Transmission Lines Structural Loads

The Project will be designed in accordance with the NYSEG Electric Transmission Construction Standards Manual, except to the extent otherwise indicated in the EM&CP.

E-1.3 Insulator, Foundation and Typical Structure Designs

Figure E-1-1 illustrates the design standards the Applicant proposes to use for insulators on the Project. Figure E-1-2 illustrates the design standards the Applicant proposes to use for structure foundations on the Project. Figure E-1-3 illustrates the design standards the Applicant proposes to use for typical structure types on the Project.

* * * * *

New York State Electric & Gas Corporation

Jennison Transmission Solution Project

Exhibit E-1

Description of Proposed Transmission Facilities

Figures

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New York State Electric & Gas Corporation

Jennison Transmission Solution Project

Exhibit E-1

Description of Proposed Transmission Facilities

Figure E-1-1

Typical Insulator Details

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THIS IS A COMPUTER GENERATED DRAWING - DO NOT REVISE MANUALLY

ANSI B 11" X 17"

Drawn:	Date:	Updated:	Date:
LA. Best	12/15/2020	SAC	5/12/2022

5-3/4" X 10" TOUGHENED GLASS DISC INSULATORS ANSI CLASS 52-3H TYPICALLY USED FOR 35kV, 46kV & 69kV

# of DISCS	Compatible Unit (CU)	WEIGHT (pounds)	LENGTH (feet)
3	U*CT-TI-9T-D3-3	25	1.44
4	U*CT-TI-9T-D3-4	33	1.92
5	U*CT-TI-9T-D3-5	41	2.40
6	U*CT-TI-9T-D3-6	49	2.88
7	U*CT-TI-9T-D3-7	57	3.35

10,000# MINIMUM TEST LOAD PROOF
20,000# MINIMUM M&E RATING
MID 30054286

Manufacturer and part number:
SEDIVER/SEVES N100/146DC

5-3/4" X 10" TOUGHENED GLASS DISC INSULATORS ANSI CLASS 52-5H TYPICALLY USED FOR 115kV & 230kV

# of DISCS	Compatible Unit (CU)	WEIGHT (pounds)	LENGTH (feet)
7	U*CT-TI-9T-D5-7	71	3.35
8	U*CT-TI-9T-D5-8	81	3.83
9	U*CT-TI-9T-D5-9	91	4.31
10	U*CT-TI-9T-D5-10	101	4.79
11	U*CT-TI-9T-D5-11	112	5.27
13	U*CT-TI-9T-D5-13	132	6.23
14	U*CT-TI-9T-D5-14	142	6.71
15	U*CT-TI-9T-D5-15	152	7.19
16	U*CT-TI-9T-D5-16	162	7.67
17	U*CT-TI-9T-D5-17	172	8.15
18	U*CT-TI-9T-D5-18	182	8.63

15,000# MINIMUM TEST LOAD PROOF
30,000# MINIMUM M&E RATING
MID 30054297

Manufacturer and part number:
SEDIVER/SEVES N14/146DC

5-3/4" X 11" TOUGHENED GLASS DISC INSULATORS ANSI CLASS 52-8H TYPICALLY USED FOR 345kV

# of DISCS	Compatible Unit (CU)	WEIGHT (pounds)	LENGTH (feet)
18	U*CT-TI-9T-D8-18	231	8.63
19	U*CT-TI-9T-D8-19	244	9.10
20	U*CT-TI-9T-D8-20	256	9.58
21	U*CT-TI-9T-D8-21	269	10.06
22	U*CT-TI-9T-D8-22	282	10.54
23	U*CT-TI-9T-D8-23	295	11.02

20,000# MINIMUM TEST LOAD PROOF
40,000# MINIMUM M&E RATING
MID 30054355

Manufacturer and part number:
SEDIVER/SEVES N180/146DC

Contact Processes & Technologies - Electric Network Standards - Electric Transmission Standards for the creation/revision of transmission standards & CUs.

Drawing Scale: N/A

AVANGRID

JENNISON TRANSMISSION SOLUTIONS PROJECT
E NORWICH S/S & JENNSION S/S TO STR 949/182

TRANSMISSION INSULATOR INFORMATION
TOUGHENED GLASS DISC INSULATORS
ANSI CLASS - BALL & SOCKET

Revision: 0-0B
DATE: 05/16/24

DRAWN BY	Date Ck.:	Approved By:	Date App.:	File Name:	Sheet
ADR/RUE				Figure E-1A-001	1 of 1

DISC INSULATORS PER STRING

ANSI Class	VOLTAGE	Tangent Suspension or Idler String		Running Angle Suspension String		Dead End String		
		Wood/ Composite Arm or Pole	Steel Arm or Pole/ Tower	Wood/ Composite Arm or Pole	Steel Arm or Pole/ Tower	Wood/ Composite Arm or Pole	Steel Arm or Pole/ Tower	Substation Bay
52-3 52-4	35kV	3	4	4	5	4	5	5
	46kV	4	5	5	6	5	6	6
	69kV	5	6	6	7	6	7	7
52-5 52-6	115kV	7	8	8	9	9	10	11
	230kV	13	15	14	16	15	17	18
52-8 52-11*	345kV	18	20	19	21	20	22	23

* ANSI Class 52-11 used for special applications/long spans

THIS IS A COMPUTER GENERATED DRAWING - DO NOT REVISE MANUALLY

ANSI A 8-1/2" X 11"

Date Drawn: 9/8/2015

Drawn/Updated By: L.A. Best

Contact Processes & Technologies - Electric Network Standards - Electric Transmission Standards for the creation/revision of transmission standards & CUs.

Drawing Scale: N/A

AVANGRID

JENNISON TRANSMISSION SOLUTIONS PROJECT
E NORWICH S/S & JENNSION S/S TO STR 949/182

TRANSMISSION INSULATOR INFO
PORCELAIN AND TOUGHENED GLASS DISC INSULATORS
NUMBER OF INSULATORS PER STRING

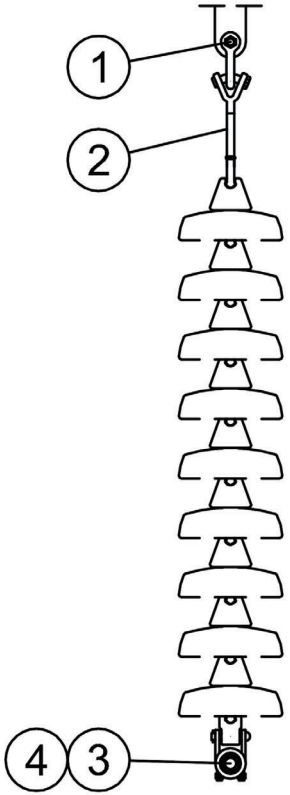
Revision 0-0B

DATE 05/16/24

DRAWN BY	Date Ck.:	Approved By:	Date App.:	File Name:	Sheet
ADR/RUE		M. Sazanowicz/M. Zaffina	3/5/2021	Figure E-1A-001	1 of 1

BILL OF MATERIAL for 1192.5 ACSR 45/7 Bunting 1.302" diameter				
ITEM NO.	QTY	UOM	GLOBAL IUSA MID	CU: U*CT-TS-SA11-ID
1	3	ST	30923932	SHACKLE ANCH 7/8 BNK 1-1/4 OPNG 60K
2	3	ST	30924092	FTTG Y-CLV BALL S HL 9-5/16 LNG 30K
3	3	ST	30926129	CLAMP SUSP AL W/SCKT 25K 1.75-2.27
4	3	ST	30925810	ROD ARMR PREFRM AL 100 IN 1.270-1.327

CONNECT TO STEEL VANG,
DEAD END TEE OR DAVIT ARM



TYPICAL INSULATOR SET FOR :

TM2.23.TV1ANVS

TM2.23.TV1ANVX

TM2.23.TV1GNTH

TM2.23.TV1ANTD

TM2.23.TES1CG

ANSI B
11" X 17"

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JENNISON TRANSMISSION SOLUTIONS PROJECT
E NORWICH S/S & JENNSION S/S TO STR 949/182

115kV INSULATOR DETAILS
TANGENT OR ANGLE IN SUSPENSION

Drwn. By:	Date Dr.:	Checked By:	Date Ck.:	Approved By:	Date App.:
HAR	05/16/24				

Figure E-1A-003

Revision	0-0B
Date	05/16/24
Sheet	1

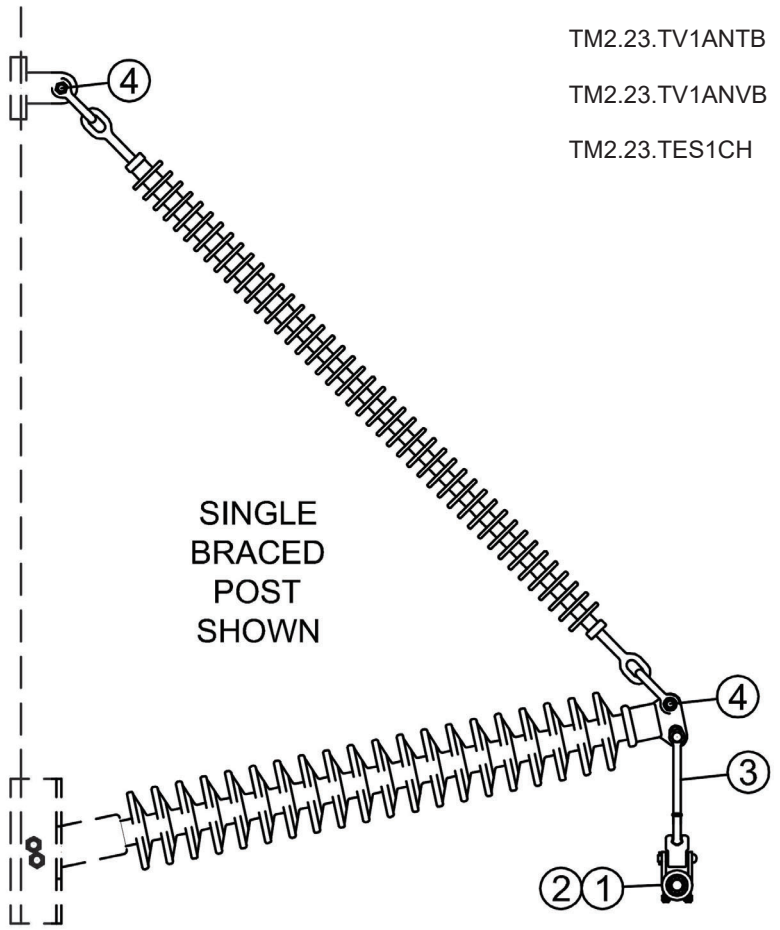
BILL OF MATERIAL for 1192.5 ACSR 45/7 Bunting				
ITEM NO.	QTY	UOM	GLOBAL IUSA MID	CU: U*CT-TS-SI11-ID
1	3	ST	30925810	ROD ARMR PREFRM AL 100 IN 1.270-1.327
2	3	ST	30926129	CLAMP SUSP AL W/SCKT 25K 1.75-2.27
3	3	ST	30924092	FTTG Y-CLV BALL S HL 9-5/16 LNG 30K

TYPICAL INSULATOR SET FOR :

TM2.23.TV1ANTB

TM2.23.TV1ANVB

TM2.23.TES1CH



ASSOCIATED STANDARD:
SINGLE SUSPENSION ON BRACED POST INSULATOR OR DROP TONGUE POST INSULATOR

ANSI B
11" X 17"

AVANGRID

JENNISON TRANSMISSION SOLUTIONS PROJECT
E NORWICH S/S & JENNSION S/S TO STR 949/182

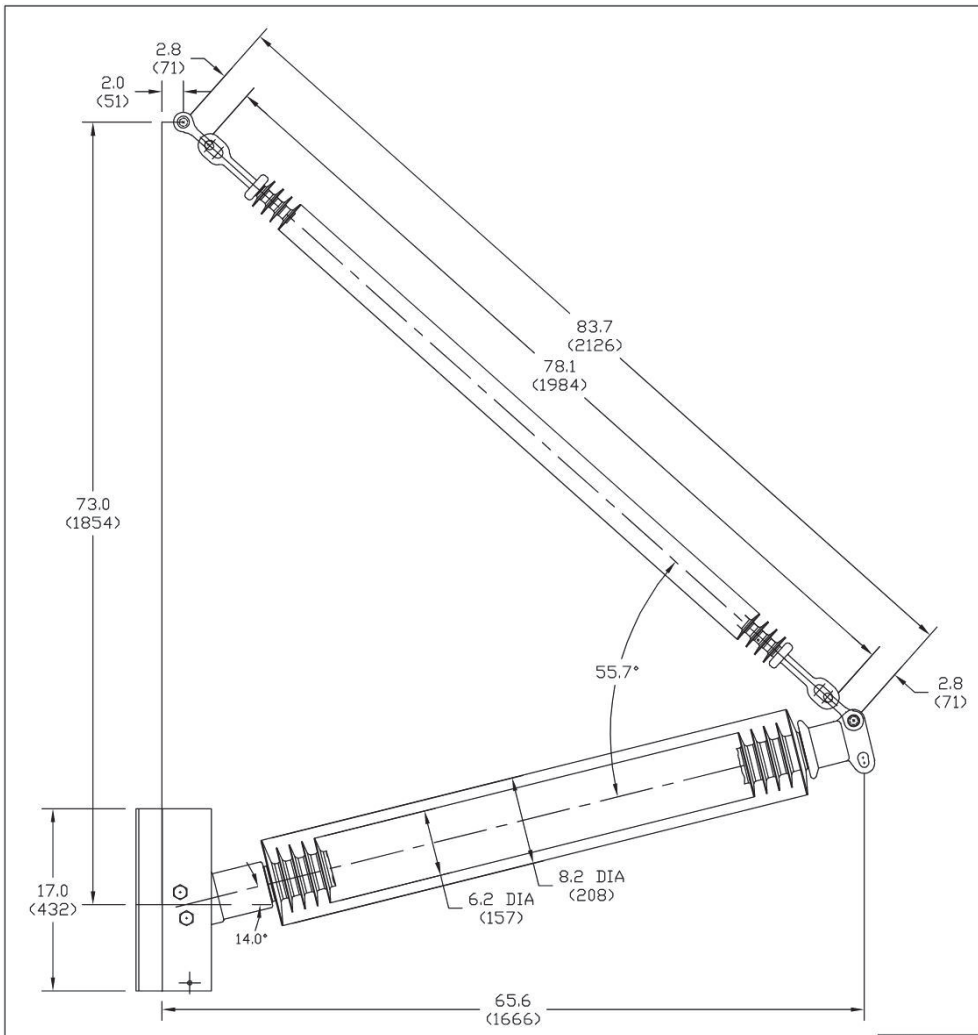
115kV INSULATOR DETAILS
SUSPENSION BRACED POST INSULATOR
AND JUMPER POST INSULATOR

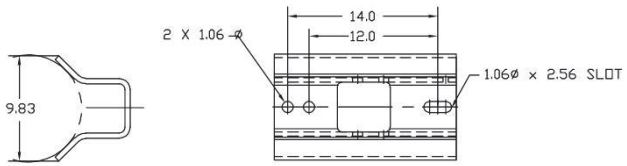
Revision 0-0B
Date 05/16/24

Drwn. By:	Date Dr.:	Checked By:	Date Ck.:	Approved By:	Date App.:
HAR	05/16/24				

Figure E-1A-004

Sheet 1





MOUNTING BASE DETAIL

ELECTRICAL CHARACTERISTICS IN ACCORDANCE WITH ANSI C29.11-1989

DRY 60 Hz FLASHOVER	550
WET 60 Hz FLASHOVER	530
IMPULSE POSITIVE FLASHOVER	795
IMPULSE NEGATIVE FLASHOVER	905

ELECTRICAL CHARACTERISTICS IN ACCORDANCE WITH IEC-60383

WET 60 Hz 1-MIN WITHSTAND	395
IMPULSE POSITIVE WITHSTAND	715
IMPULSE NEGATIVE WITHSTAND	810

MAX WORKING LOADS, LBS(KN)

VERTICAL	10590 (47)
TRANSVERSE TENSION	12500 (55.5)
COMPRESSION	12120 (53.8)
LONGITUDINAL	2360 (10.4)

LEAKAGE DISTANCE	165
STRIKE DISTANCE	52.2

Post	P300053S0070	1
Suspension	S025064S0000	1
Anchor Shackle	AS-25	2
	Part Number	Qty

REV DATE 04/28/21

HUBBELL® POWER SYSTEMS

TITLE QUADRI SIL BRACED LINE POST ASSY

SIZE	DWG NO.	CAT / PART / ASSY NO.	REV
B	--	BLP453G14003	0

DO NOT SCALE THIS DRAWING | DRN BY MD | DATE 04/28/21 | SHEET 1 OF 1

ANSI B 11" X 17"

AVANGRID

JENNISON TRANSMISSION SOLUTIONS PROJECT
E NORWICH S/S & JENNSION S/S TO STR 949/182

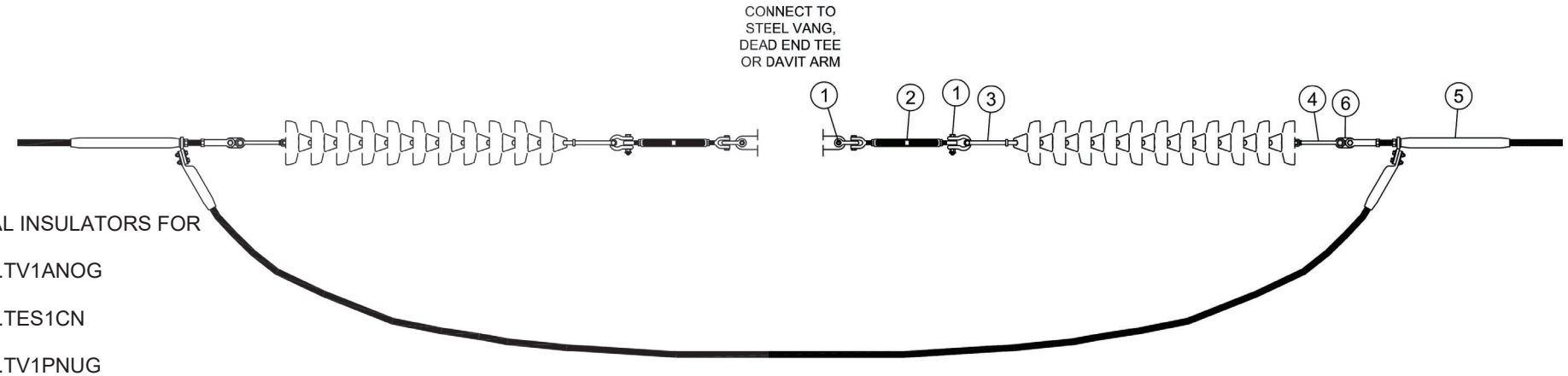
115kV INSULATOR DETAILS
SUSPENSION BRACED POST - ASSEMBLY
CUT SHEET

Revision 0-0B
Date 05/16/24

Drwn. By:	Date Dr.:	Checked By:	Date Ck.:	Approved By:	Date App.:
HAR	05/16/24				

Figure E-1A-005

BILL OF MATERIALS			1192.5 ACSR 45/7 Bunting 1.302" diameter ANSI class 52-3 or 52-5 ball & socket disc insulators	CU Type: UC_CNDO
Item #	QTY	UOM	MID	CU: U*CT-TS-CC32-ID
1	12	ST	30923925	SHACKLE ANCH 1 BNK 1-7/16 OPNG 80K
2	6	ST	30923942	TURNBUCKLE JAW-EYE 45K 1 X 12
3	6	ST	30924090	FTTG Y-CLV BALL L HL 9-11/16 LNG 50K
4	6	ST	30924103	FTTG Y-CLV SCKT L HL 1-5/16 SHANK 50K
5	6	ST	30926077	CLAMP COMP DE ASSY VES 1192 ACSR 45/7



TYPICAL INSULATORS FOR

TM2.23.TV1ANOG

TM2.23.TES1CN

TM2.23.TV1PNUG

TM2.23.TV1PNJG

TM2.23.TES1CO

TM2.23.TV1ANJG

TM2.23.TES1CM

TM2.23.TES1CM-MOD

TM2.23.TV1PNVL

TM2.23.TV1PNGL

TM2.23.TV1PNVG

TM2.23.TV1PNOG

ADD APPROPRIATE JUMPER POST OR IDLER STRING ASSEMBLY WHEN REQUIRED

ANSI B
11" X 17"

AVANGRID

JENNISON TRANSMISSION SOLUTIONS PROJECT
E NORWICH S/S & JENNSION S/S TO STR 949/182

115kV INSULATOR DETAILS
TANGENT OR ANGLE STRAIN DEAD END

Revision 0-0B
Date 05/16/24

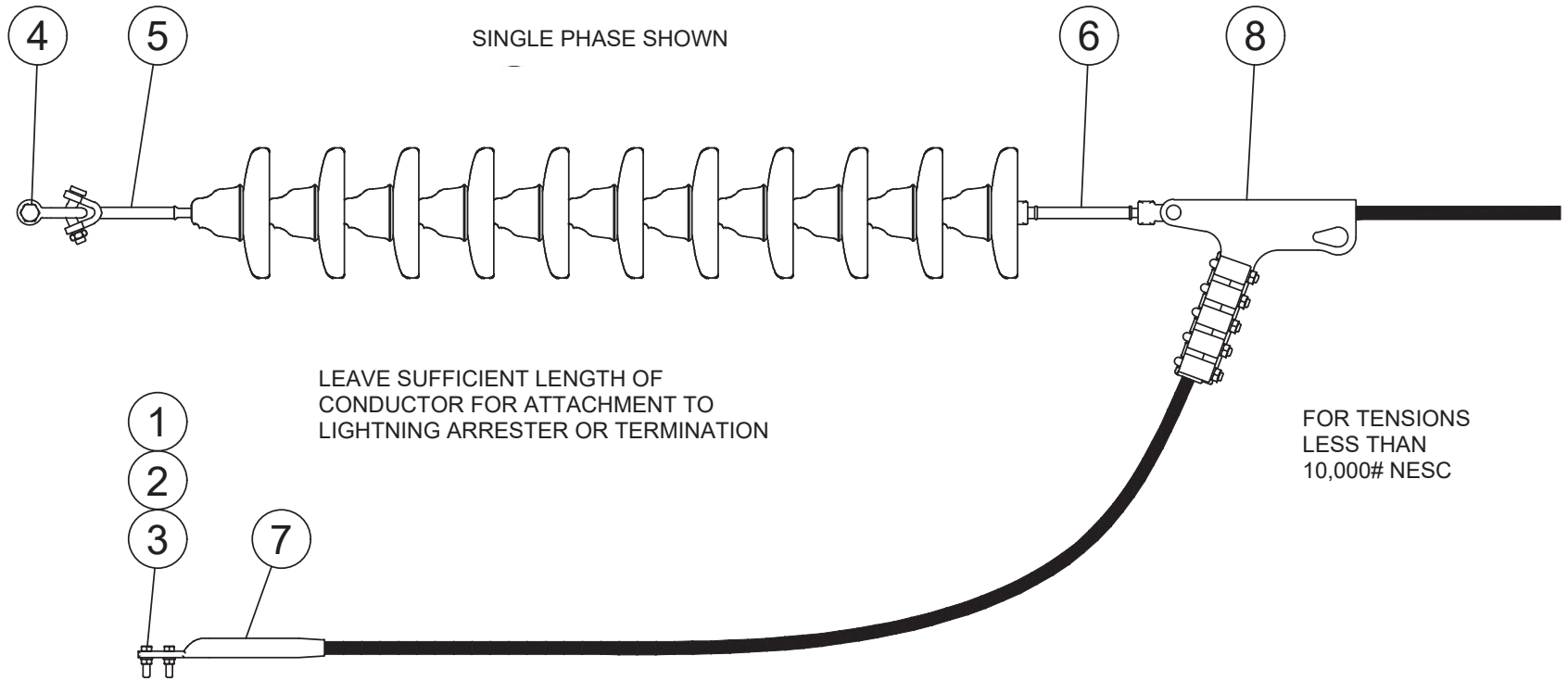
Drwn. By:	Date Dr.:	Checked By:	Date Ck.:	Approved By:	Date App.:
HAR	05/16/24				

Figure E-1A-006

Sheet 1

BILL OF MATERIALS			1192.5 ACSR 45/7 Bunting 1.302" diameter	CU Type: UC_CNDO
Item #	QTY	UOM	MID	CU: U*CT-TS-NA61-ID
1	12	ST	30918936	BOLT AL BUS BAR HXHD HVY SER
2	12	ST	30919277	NUT HX BUS BAR AL 1/2 DIA 13 TPI
3	24	ST	30919369	WSHR RND 7/8 OD 9/16 HOLE
4	3	ST	30923932	SHACKLE ANCH 7/8 BNK 1-1/4 OPNG 60K
5	3	ST	30924092	FTTG Y-CLV BALL S HL 9-5/16 LNG 30K
6	3	ST	30924113	FTTG SCKT BALL S HL 9-3/4 LNG 30K
7	3	ST	30925235	CONN CMPRN TERM 1192 45/7 CNTR 15 DEG
8	3	ST	30926096	CLAMP DE BLT STRAIN AL 30K 1.18-1.55

TYPICAL INSULATOR SET FOR CONNECTION TO EXISTING SUBSTATION STEEL STRUCTURES



ANSI B 11" X 17"

AVANGRID

JENNISON TRANSMISSION SOLUTIONS PROJECT
E NORWICH S/S & JENNSION S/S TO STR 949/182

115kV INSULATOR DETAILS
TERMINAL DEAD END SUBSTATION CONNECTION

Revision: 0-0B
Date: 05/16/24

Drwn. By:	Date Dr.:	Checked By:	Date Ck.:	Approved By:	Date App.:
HAR	05/16/24				

Figure E-1A-007

TYPICAL INSULATORS FOR

TM2.23.TES1CN

TM2.23.TV1PNUG

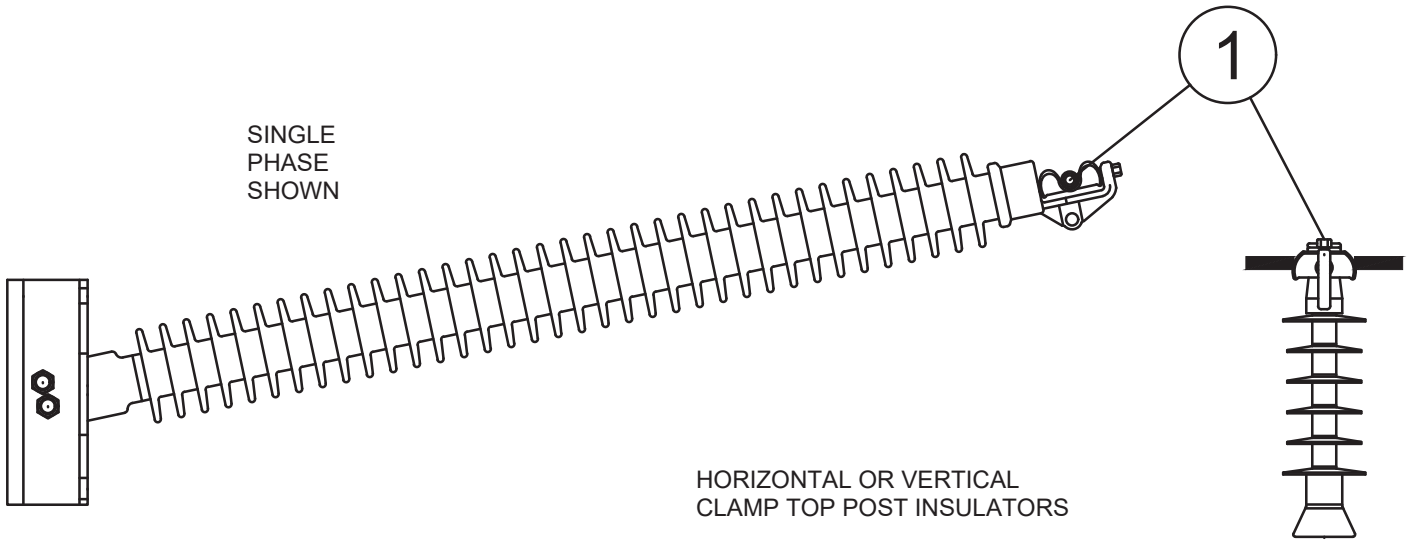
TM2.23.TV1PNJG

TM2.23.TV1ANJG

TM2.23.TV1PNVL

BILL OF MATERIALS	for AAAC, AAC, ACSR, ACSR/TW or AWLD conductors diameters 1.00" to 1.50"			CU Type: UC_CNDO
Item #	QTY	UOM	MID	CU: U*CT-TS-PI01-04
1	3	ST	30926173	CLAMP POST TANG AL 1.00-1.50

SINGLE
PHASE
SHOWN



HORIZONTAL OR VERTICAL
CLAMP TOP POST INSULATORS

ANSI B
11" X 17"

AVANGRID

JENNISON TRANSMISSION SOLUTIONS PROJECT
E NORWICH S/S & JENNSION S/S TO STR 949/182

115kV INSULATOR DETAILS
TANGENT OR ANGLE STRAIN DEAD END
JUMPER POST

Drwn. By:	Date Dr.:	Checked By:	Date Ck.:	Approved By:	Date App.:
HAR	05/16/24				

Figure E-1A-008

Revision	Date	Sheet
0-0B	05/16/24	1

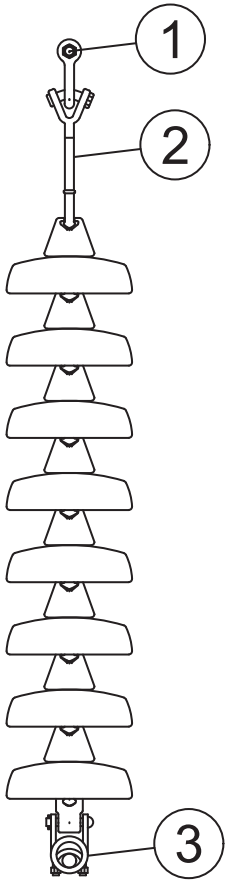
BILL OF MATERIALS	for any Aluminum Conductor 1.25"-1.82" diameter			CU Type: UC_CNDO
Item #	QTY	UOM	MID	CU: U*CT-TS-SA10-04
1	3	ST	30923932	SHACKLE ANCH 7/8 BNK 1-1/4 OPNG 60K
2	3	ST	30924092	FTTG Y-CLV BALL S HL 9-5/16 LNG 30K

TYPICAL INSULATORS FOR

TM2.23.TES1CM

TM2.23.TES1CM-MOD

CONNECT TO STEEL VANG,
DEAD END TEE OR DAVIT ARM



ANSI B
11" X 17"

AVANGRID	JENNISON TRANSMISSION SOLUTIONS PROJECT E NORWICH S/S & JENNSION S/S TO STR 949/182	115kV INSULATOR DETAILS DEAD END ON DAVIT ARMS					Revision 0-0B Date 05/16/24
Drwn. By: HAR	Date Dr.: 05/16/24	Checked By:	Date Ck.:	Approved By:	Date App.:	Figure E-1A-009	Sheet 1

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New York State Electric & Gas Corporation

Jennison Transmission Solution Project

Exhibit E-1

Description of Proposed Transmission Facilities

Figure E-1-2

Typical Foundation Details

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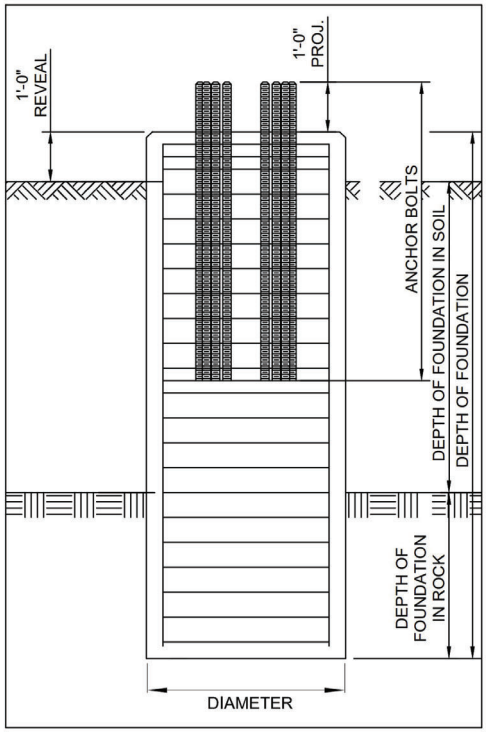
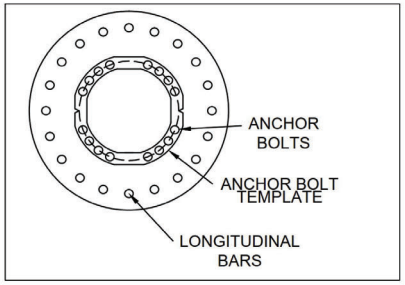


DRILLED PIER FOUNDATION ELEVATION VIEW

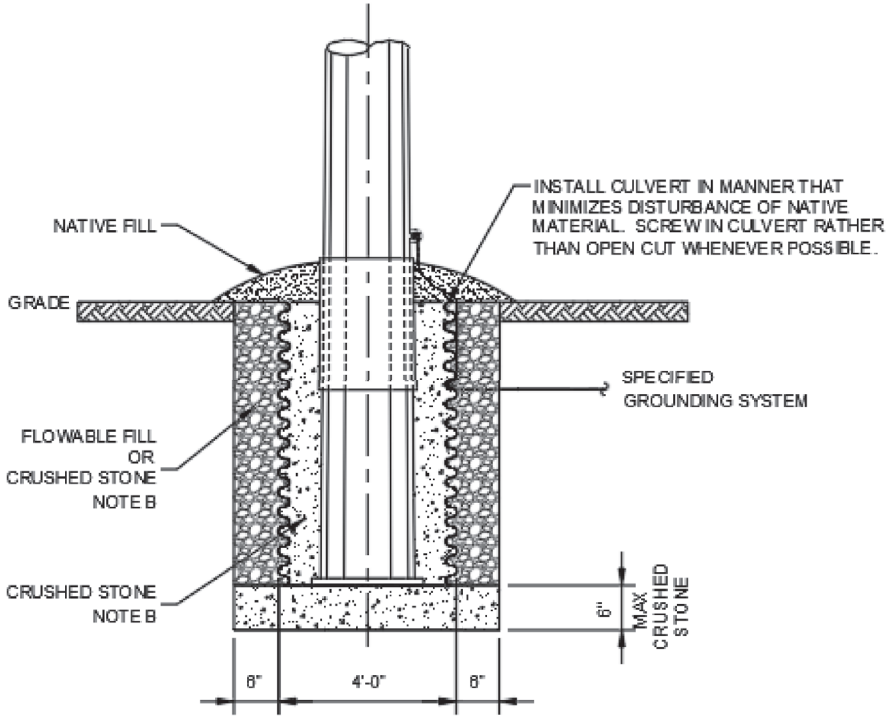


DRILLED PIER FOUNDATION PLAN VIEW

TYPICAL CONCRETE FOUNDATION FOR 115KV SINGLE CIRCUIT STEEL POLES

TM2.23.TE S1CN TM2.23.TE S1CO
TM2.23.TE S1CM TM2.23.TE S1CM-MOD
TM2.23.TE S1CH TM2.23.TE S1CG

ESTIMATED GENERAL PIER DIAMETER WILL BE BETWEEN 8 AND 9 FEET WIDE DEPENDING ON STRUCTURE SIZE AND LINE ANGLE
ESTIMATED GENERAL PIER DEPTH WILL BE BETWEEN 20 AND 24 FEET DEEP DEPENDING ON STRUCTURE SIZE AND LINE ANGLE



TYPICAL FOUNDATION FOR DIRECT EMBEDDED 115KV SINGLE CIRCUIT STEEL POLES

TM2.23.TV1ANVD TM2.23.TV1ANTD
TM2.23.TV1PNVL TM2.23.TV1PNGL
TM2.23.TV1PNVG TM2.23.TV1PNOG
TM2.23.TV1ANTB TM2.23.TV1ANVB
TM2.23.TV1ANVS TM2.23.TV1ANVX
TM2.23.TV1ANOG TM2.23.TV1PNUG
TM2.23.TV1PNJG TM2.23.TV1GNTH
TM2.23.TV1ANJG

ESTIMATED GENERAL BORE DIAMETER WILL BE 4 FEET WIDE DEPENDING ON POLE BASE DIMENSIONS
ESTIMATED GENERAL EXCAVATION DEPTH WILL BE 14 FEET DEEP DEPENDING ON POLE LENGTH

AVANGRID		JENNISON TRANSMISSION SOLUTION PROJECT 115kV LINE 734/946/949 E. NORWICH S/S TO STR 949/182	STRUCTURE STANDARDS - STEEL FOUNDATION DETAIL FOR STEEL POLES					Revision 0-0B
Drwn. By: HAR	Date Dr.: 05/16/24	Checked By:	Date Ck.:	Approved By:	Date App.:	Figure E-1B-001		Date 05/16/24
								Sheet 1

ANSI B
11" X 17"

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New York State Electric & Gas Corporation

Jennison Transmission Solution Project

Exhibit E-1

Description of Proposed Transmission Facilities

Figure E-1-3

Typical Structure Type Details

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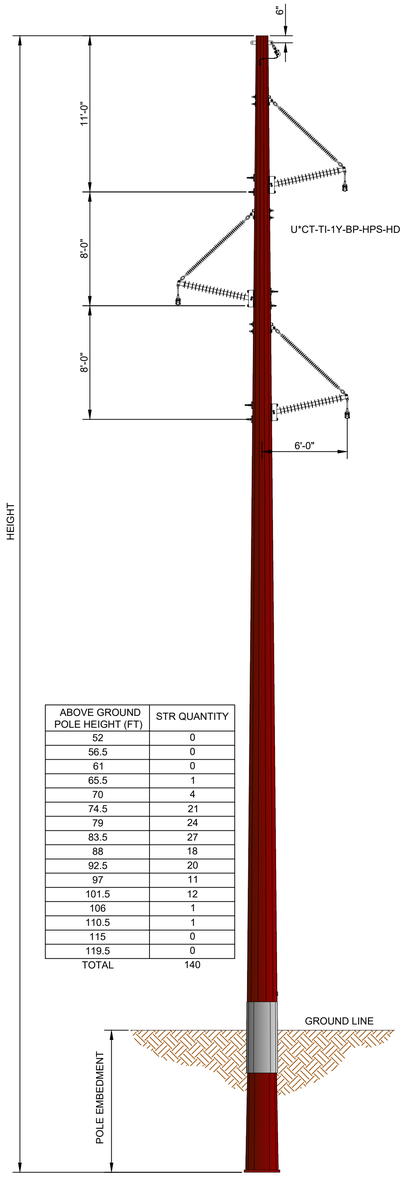
PRELIMINARY ENGINEERING INDICATES THAT THE MOST COMMON ABOVE GROUND HEIGHT WILL BE APPROXIMATELY 90.5 FEET AT THE HIGHEST POINT (THE TOP OF THE VERTICAL POLES), AND THE AVERAGE WIDTH OF TANGENTS AT THE WIDEST POINT (INSULATOR TIP TO INSULATOR TIP) WILL BE APPROXIMATELY 14.5 FEET. THE MATERIAL OF THE STRUCTURE WILL BE STEEL, THEIR COLOR WILL BE RUST, THE FINISH WILL BE SELF-WEATHERING. THE MATERIAL OF THE INSULATORS WILL BE TOUGHENED GLASS (CLEAR COLOR) FOR STRING INSULATORS OR SILICONE RUBBER (GRAY COLOR) FOR THE POST AND BRACED POST INSULATORS.

PLAN	BY	DATE
SURVEYED		
REVIEWED		
ROW CHKD		
NOTEBOOK NO.		

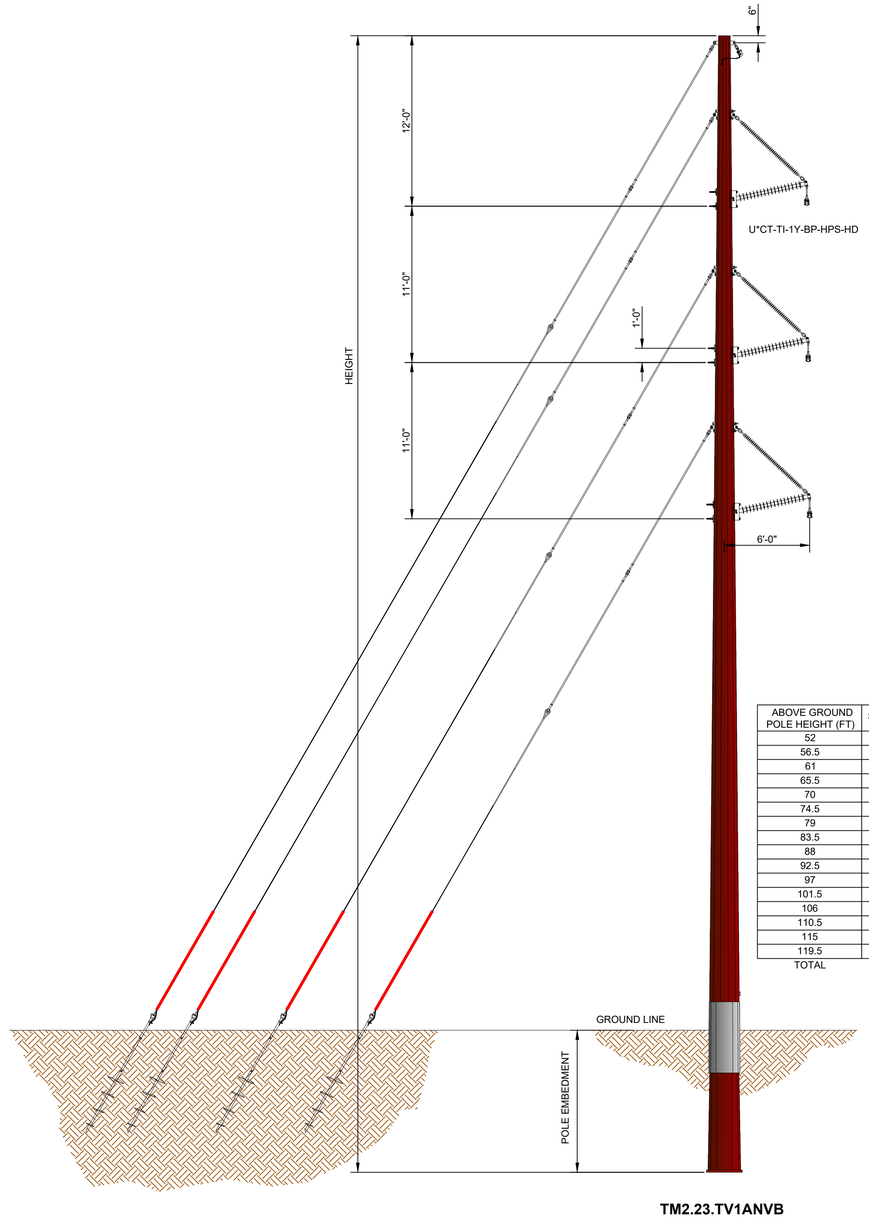
PLAN SCALE:
1" = 200'

PROFILE	BY	DATE
SURVEYED		
REVIEWED		
NOTES REDUCED		
NOTEBOOK NO.		



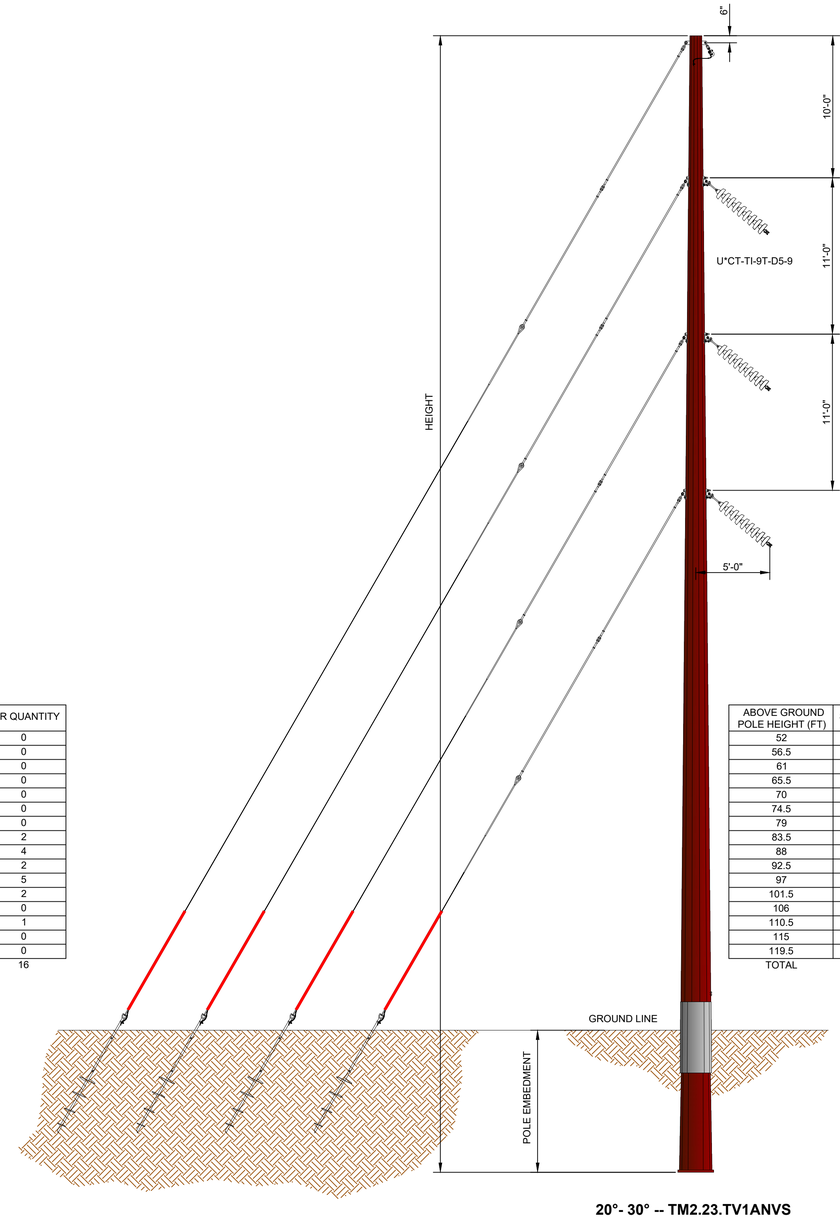
ABOVE GROUND POLE HEIGHT (FT)	STR QUANTITY
52	0
56.5	0
61	0
65.5	1
70	4
74.5	21
79	24
83.5	27
88	18
92.5	20
97	11
101.5	12
106	1
110.5	1
115	0
119.5	0
TOTAL	140

TM2.23.TV1ANTB
STEEL 115KV SINGLE POLE SINGLE CIRCUIT
TANGENT BRACED POST STRUCTURE



ABOVE GROUND POLE HEIGHT (FT)	STR QUANTITY
52	0
56.5	0
61	0
65.5	0
70	0
74.5	0
79	0
83.5	2
88	4
92.5	2
97	5
101.5	2
106	0
110.5	1
115	0
119.5	0
TOTAL	16

TM2.23.TV1ANVB
STEEL 115KV SINGLE POLE SINGLE CIRCUIT
VERTICAL BRACED POST STRUCTURE 0-15
AND COMPACT TANGENT



ABOVE GROUND POLE HEIGHT (FT)	STR QUANTITY
52	0
56.5	0
61	0
65.5	0
70	0
74.5	0
79	0
83.5	1
88	1
92.5	2
97	0
101.5	2
106	1
110.5	0
115	0
119.5	0
TOTAL	7

20°- 30° -- TM2.23.TV1ANVS
30°- 45° -- TM2.23.TV1ANVX
STEEL 115KV SINGLE POLE SINGLE CIRCUIT
RUNNING ANGLE SUSPENSION STRUCTURE 15-45

UNDERBUILD CONSTRUCTION TYPE	NEUTRAL CONDUCTOR TYPE	OHSW TYPE	CONDUCTOR TYPE
N/A	N/A		N/A
TENSION	TENSION	TENSION	TENSION
N/A	N/A	N/A	N/A
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.
N/A	N/A	N/A	N/A

YR. CONST. W/O

NOTES:

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

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NYSEG

REV.	DATE	BY	DESCRIPTION	APP.
0-0D	09/04/2024	CSA/DAS	ISSUED FOR PERMITTING	ZRH/DAS
0-0C	05/16/2024	NJP/DAS	ISSUED FOR APPROVAL	ZRH/DAS
0-0B	08/14/2024	ADR/DAS	ISSUED FOR REVIEW	ZRH/DAS
0-0A	07/06/23	GAP/DAS	ISSUED FOR REVIEW	ZRH/DAS

JENNISON TRANSMISSION SOLUTION PROJECT
TYPICAL STRUCTURE TYPE DETAILS

SHEET 1 OF 8

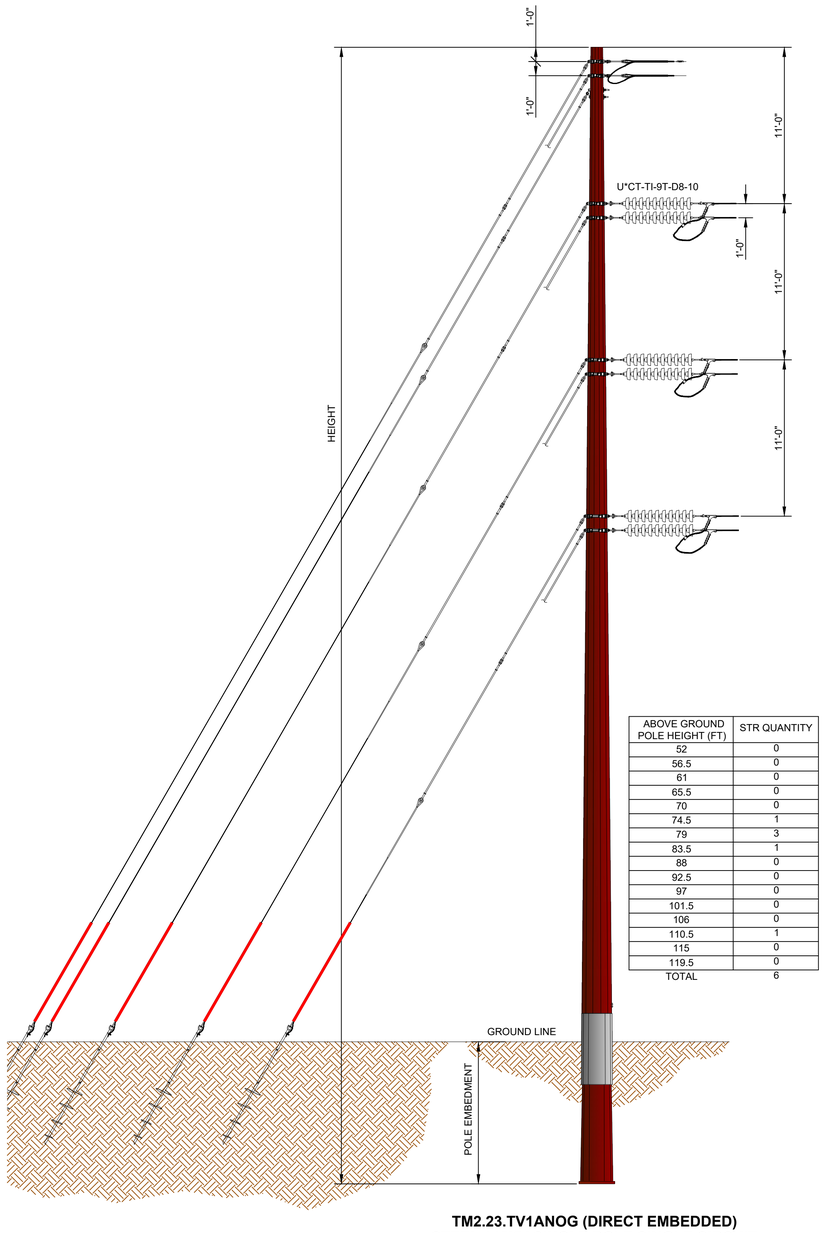
DR.	NJP/DAS	MILE	FILE:
CK.	ADR/DAS	NO.	REV. 0-0D
APP.	ZRH/DAS		
DATE:	09/04/2024		

CADD Drawing, DO NOT REVISE MANUALLY.
ANSI D

PRELIMINARY ENGINEERING INDICATES THAT THE MOST COMMON ABOVE GROUND HEIGHT WILL BE APPROXIMATELY 90.5 FEET AT THE HIGHEST POINT (THE TOP OF THE VERTICAL POLES), AND THE AVERAGE WIDTH OF TANGENTS AT THE WIDEST POINT (INSULATOR TIP TO INSULATOR TIP) WILL BE APPROXIMATELY 14.5 FEET. THE MATERIAL OF THE STRUCTURE WILL BE STEEL, THEIR COLOR WILL BE RUST, THE FINISH WILL BE SELF-WEATHERING. THE MATERIAL OF THE INSULATORS WILL BE TOUGHENED GLASS (CLEAR COLOR) FOR STRING INSULATORS OR SILICONE RUBBER (GRAY COLOR) FOR THE POST AND BRACED POST INSULATORS.

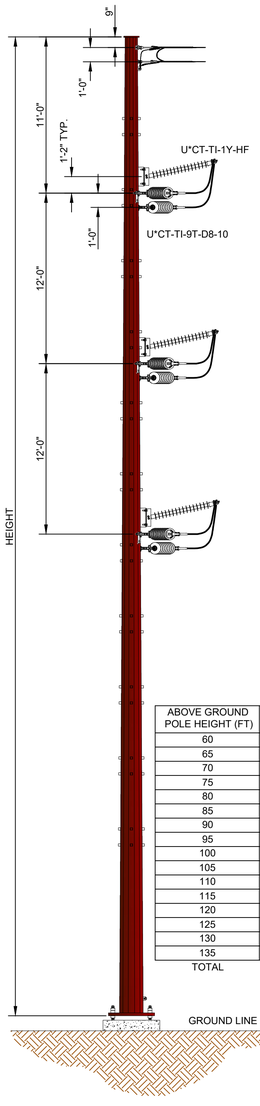
PLAN	SURVEYED	BY	DATE
	REVIEWED		
NOTEBOOK NO.	ROW CHKD		

PLAN SCALE:
1" = 200'



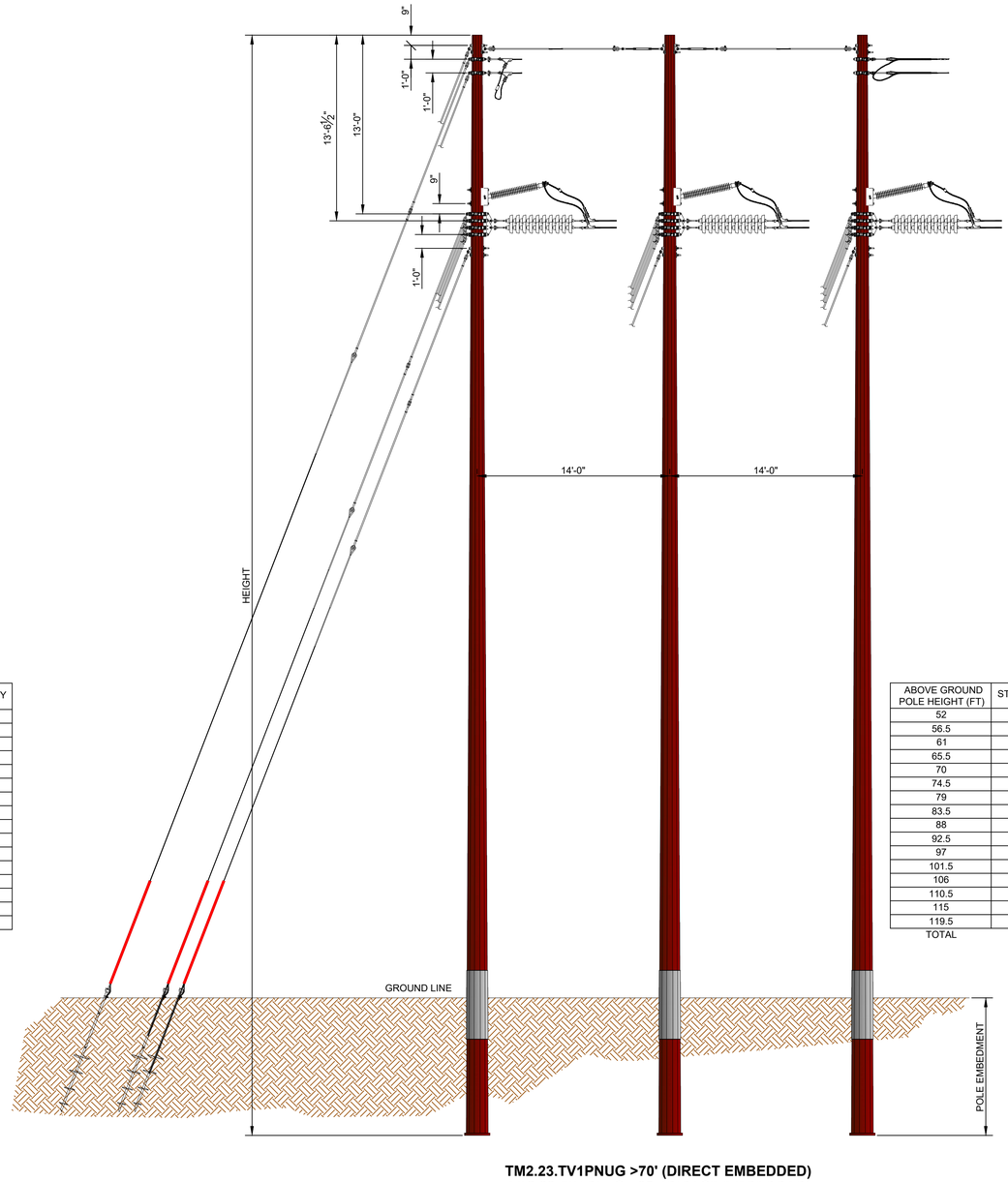
ABOVE GROUND POLE HEIGHT (FT)	STR QUANTITY
52	0
56.5	0
61	0
65.5	0
70	0
74.5	1
79	3
83.5	1
88	0
92.5	0
97	0
101.5	0
106	0
110.5	1
115	0
119.5	0
TOTAL	6

TM2.23.TV1ANOG (DIRECT EMBEDDED)
STEEL 115KV SINGLE POLE SINGLE CIRCUIT
DEAD END STRUCTURE 60+



ABOVE GROUND POLE HEIGHT (FT)	STR QUANTITY
60	0
65	0
70	2
75	0
80	2
85	9
90	6
95	10
100	11
105	15
110	4
115	4
120	6
125	0
130	0
135	0
TOTAL	69

TM2.23.TES1CN (ON FOUNDATION)
STEEL 115KV SINGLE POLE SINGLE CIRCUIT
DEAD END STRUCTURE 0-60



ABOVE GROUND POLE HEIGHT (FT)	STR QUANTITY
52	0
56.5	0
61	0
65.5	0
70	0
74.5	1
79	0
83.5	0
88	0
92.5	0
97	0
101.5	0
106	0
110.5	0
115	0
119.5	0
TOTAL	1

TM2.23.TV1PNUG >70' (DIRECT EMBEDDED)
TM2.23.TV1PNJG <65' (DIRECT EMBEDDED)
STEEL 115KV THREE POLE SINGLE CIRCUIT
DEAD END STRUCTURE 0-60

PROFILE	SURVEYED	BY	DATE
	REVIEWED		
NOTEBOOK NO.	NOTES REDUCED		

CADD Drawing. DO NOT REVISE MANUALLY.
ANSI D

UNDERBUILD CONSTRUCTION TYPE	NEUTRAL CONDUCTOR TYPE	OHSW TYPE	CONDUCTOR TYPE
N/A	N/A	N/A	N/A
TENSION	TENSION	TENSION	TENSION
N/A	N/A	N/A	N/A
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.
N/A	N/A	N/A	N/A

YR. CONST. W/O

NOTES:

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

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REV.	DATE	BY	DESCRIPTION	APP.
0-0D	09/04/2024	CSA/DAS	ISSUED FOR PERMITTING	ZRH/DAS
0-0C	05/16/2024	NJP/DAS	ISSUED FOR APPROVAL	ZRH/DAS
0-0B	08/14/2023	ADR/DAS	ISSUED FOR REVIEW	ZRH/DAS
0-0A	07/06/23	GAP/DAS	ISSUED FOR REVIEW	ZRH/DAS

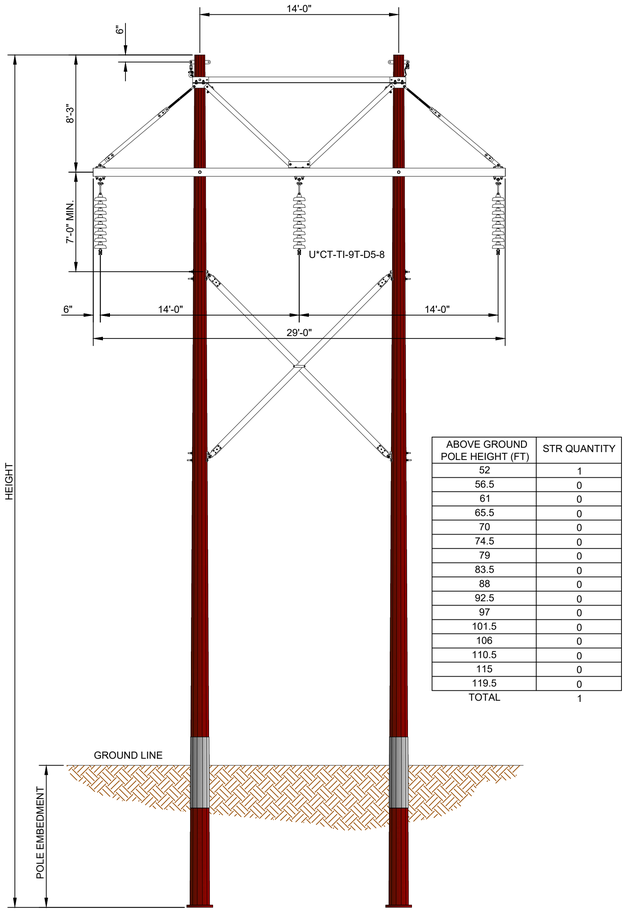
JENNISON TRANSMISSION SOLUTION PROJECT
TYPICAL STRUCTURE TYPE DETAILS
SHEET 2 OF 8

DR.	NJP/DAS	MILE	FILE:
CK.	ADR/DAS	NO.	REV. 0-0D
APP.	ZRH/DAS		
DATE:	09/04/2024		

PRELIMINARY ENGINEERING INDICATES THAT THE MOST COMMON ABOVE GROUND HEIGHT WILL BE APPROXIMATELY 90.5 FEET AT THE HIGHEST POINT (THE TOP OF THE VERTICAL POLES), AND THE AVERAGE WIDTH OF TANGENTS AT THE WIDEST POINT (INSULATOR TIP TO INSULATOR TIP) WILL BE APPROXIMATELY 14.5 FEET. THE MATERIAL OF THE STRUCTURE WILL BE STEEL, THEIR COLOR WILL BE RUST, THE FINISH WILL BE SELF-WEATHERING. THE MATERIAL OF THE INSULATORS WILL BE TOUGHENED GLASS (CLEAR COLOR) FOR STRING INSULATORS OR SILICONE RUBBER (GRAY COLOR) FOR THE POST AND BRACED POST INSULATORS.

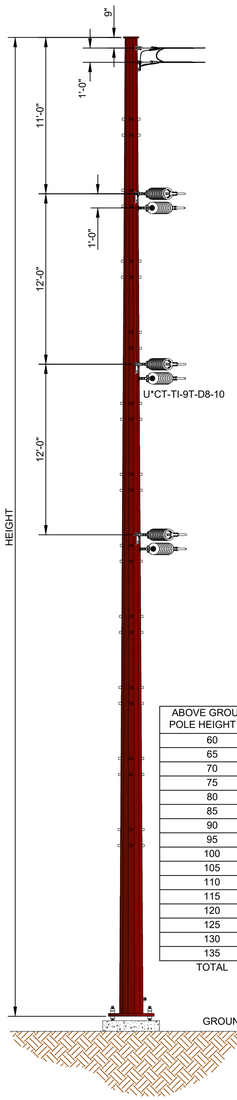
PLAN	SURVEYED	BY	DATE
NOTEBOOK NO.	REVIEWED		
	ROW CHKD		

PLAN SCALE:
1" = 200'



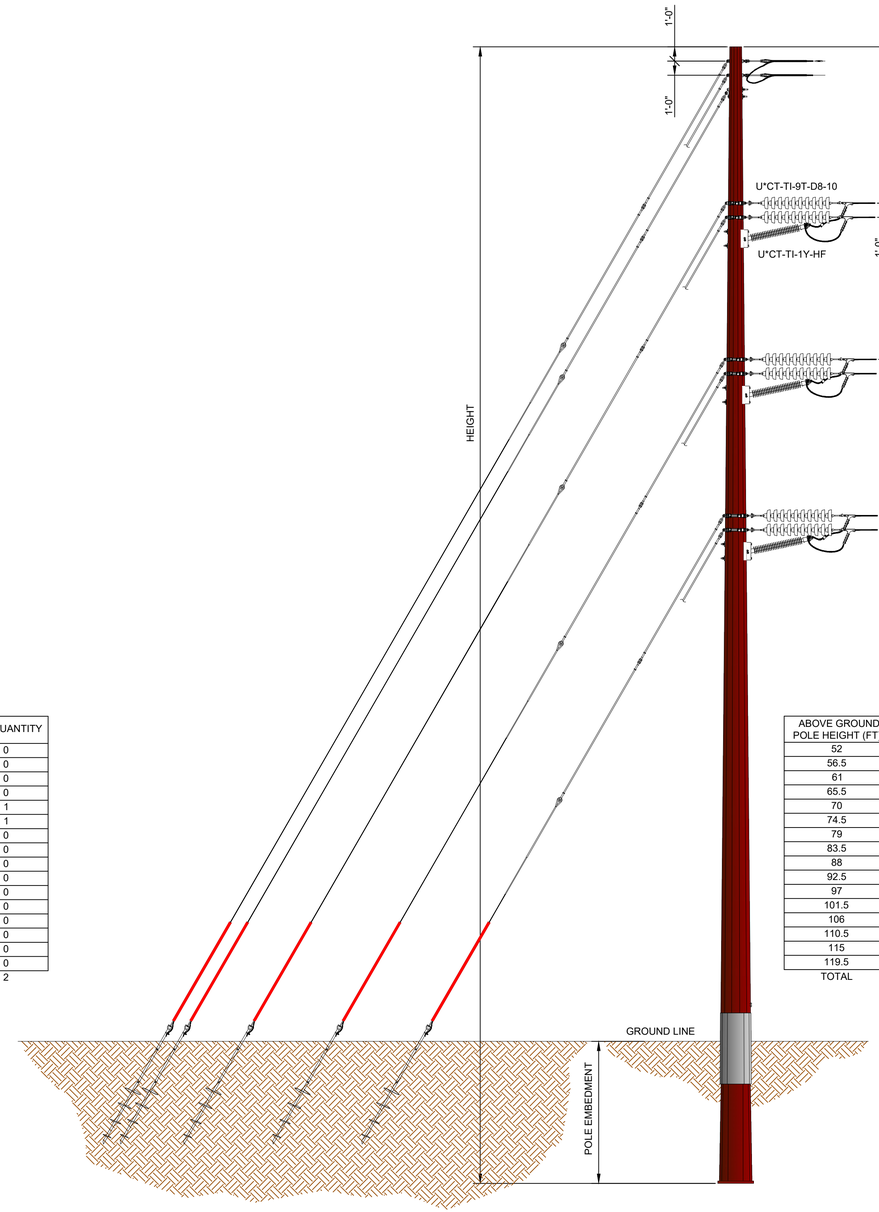
ABOVE GROUND POLE HEIGHT (FT)	STR QUANTITY
52	1
56.5	0
61	0
65.5	0
70	0
74.5	0
79	0
83.5	0
88	0
92.5	0
97	0
101.5	0
106	0
110.5	0
115	0
119.5	0
TOTAL	1

TM2.23.TV1GNTH <65' (DIRECT EMBEDDED)
STEEL 115KV TWO POLE SINGLE CIRCUIT
TANGENT SUSPENSION STRUCTURE
SHIELD WIRES ARE DE



ABOVE GROUND POLE HEIGHT (FT)	STR QUANTITY
60	0
65	0
70	0
75	0
80	1
85	1
90	0
95	0
100	0
105	0
110	0
115	0
120	0
125	0
130	0
135	0
TOTAL	2

TM2.23.TES1CO (ON FOUNDATION)
STEEL 115KV SINGLE POLE SINGLE CIRCUIT
DEAD END STRUCTURE 60+



ABOVE GROUND POLE HEIGHT (FT)	STR QUANTITY
52	0
56.5	0
61	0
65.5	0
70	0
74.5	2
79	2
83.5	0
88	1
92.5	0
97	0
101.5	0
106	0
110.5	0
115	0
119.5	1
TOTAL	6

TM2.23.TV1ANJG (DIRECT EMBEDDED)
STEEL 115KV SINGLE POLE SINGLE CIRCUIT
DEAD END STRUCTURE 0-60

PROFILE	SURVEYED	BY	DATE
NOTEBOOK NO.	REVIEWED		
	NOTES REDUCED		

CADD Drawing, DO NOT REVISE MANUALLY.
ANSI D

UNDERBUILD CONSTRUCTION TYPE	NEUTRAL CONDUCTOR TYPE	OHSW TYPE	CONDUCTOR TYPE
N/A	N/A	72 FIBER OPGW DNO-11467	1192 MCM 45/7 ACSR "BUNTING"
TENSION	TENSION	TENSION	TENSION
N/A	N/A	N/A	N/A
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.
N/A	N/A	N/A	N/A

YR. CONST. W/O

NOTES:

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

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REV.	DATE	BY	DESCRIPTION	APP.
0-0D	09/04/2024	CSA/DAS	ISSUED FOR PERMITTING	ZRH/DAS
0-0C	05/16/2024	NJP/DAS	ISSUED FOR APPROVAL	ZRH/DAS
0-0B	08/14/2023	ADR/DAS	ISSUED FOR REVEIW	ZRH/DAS
0-0A	07/06/23	GAP/DAS	ISSUED FOR REVIEW	ZRH/DAS

JENNISON TRANSMISSION SOLUTION PROJECT
TYPICAL STRUCTURE TYPE DETAILS

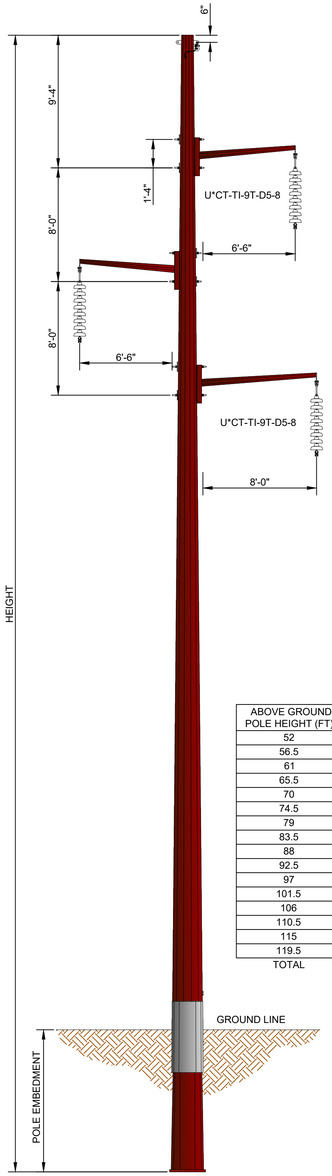
SHEET 3 OF 8

DR.	NJP/DAS	MILE	FILE:
CK.	ADR/DAS	NO.	REV.
APP.	ZRH/DAS		0-0D
DATE:	09/04/2024		

PRELIMINARY ENGINEERING INDICATES THAT THE MOST COMMON ABOVE GROUND HEIGHT WILL BE APPROXIMATELY 90.5 FEET AT THE HIGHEST POINT (THE TOP OF THE VERTICAL POLES), AND THE AVERAGE WIDTH OF TANGENTS AT THE WIDEST POINT (INSULATOR TIP TO INSULATOR TIP) WILL BE APPROXIMATELY 14.5 FEET. THE MATERIAL OF THE STRUCTURE WILL BE STEEL, THEIR COLOR WILL BE RUST, THE FINISH WILL BE SELF-WEATHERING. THE MATERIAL OF THE INSULATORS WILL BE TOUGHENED GLASS (CLEAR COLOR) FOR STRING INSULATORS OR SILICONE RUBBER (GRAY COLOR) FOR THE POST AND BRACED POST INSULATORS.

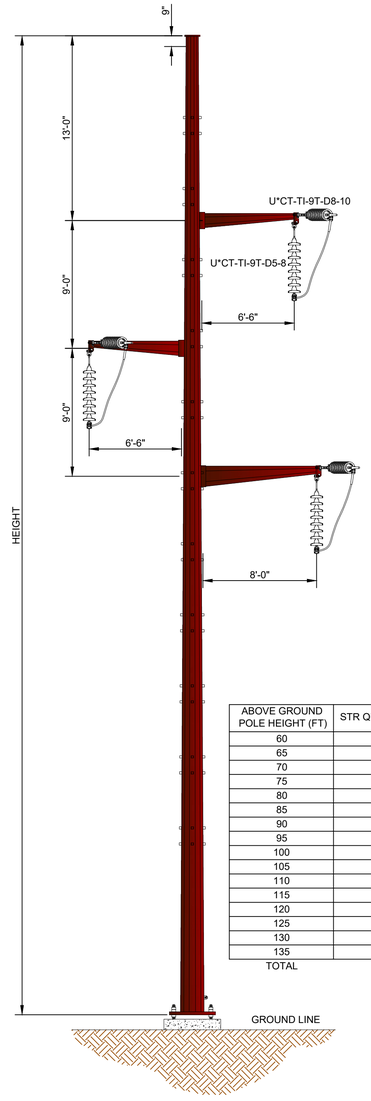
PLAN	SURVEYED	BY	DATE
	REVIEWED		
NOTEBOOK NO.	ROW CHKD		

PLAN SCALE:
1" = 200'



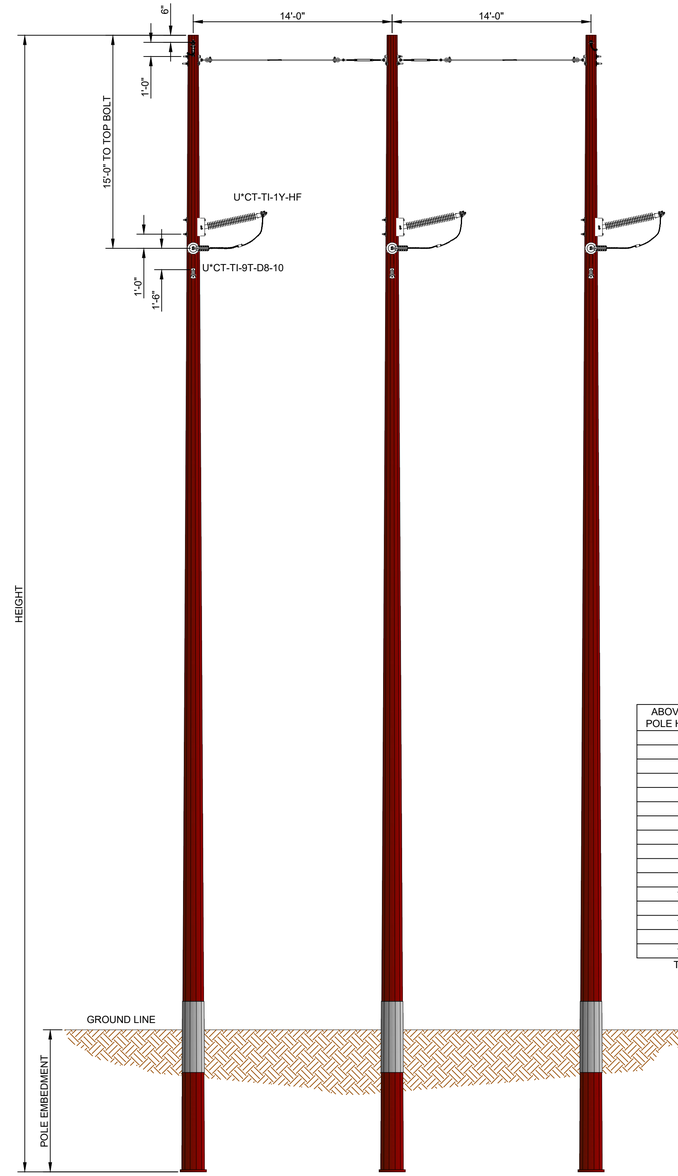
ABOVE GROUND POLE HEIGHT (FT)	STR QUANTITY
52	0
56.5	0
61	0
65.5	0
70	1
74.5	4
79	9
83.5	31
88	12
92.5	23
97	19
101.5	17
106	4
110.5	3
115	5
119.5	0
TOTAL	128

TM2.23.TV1ANVD >70' (DIRECT EMBEDDED)
TM2.23.TV1ANTD <65' (DIRECT EMBEDDED)
STEEL 115KV SINGLE POLE SINGLE CIRCUIT
TANGENT SUSPENSION STRUCTURE



ABOVE GROUND POLE HEIGHT (FT)	STR QUANTITY
60	0
65	0
70	0
75	1
80	1
85	0
90	0
95	0
100	0
105	0
110	1
115	0
120	1
125	0
130	0
135	0
TOTAL	4

TM2.23.TES1CM
STEEL 115KV SINGLE POLE SINGLE CIRCUIT
DEAD END STRUCTURE



ABOVE GROUND POLE HEIGHT (FT)	STR QUANTITY
52	0
56.5	0
61	1
65.5	0
70	0
74.5	1
79	0
83.5	2
88	0
92.5	0
97	0
101.5	1
106	0
110.5	0
115	0
119.5	0
TOTAL	5

TM2.23.TV1PNVL >70' [NO X-BRACES] (DIRECT EMBEDDED)
TM2.23.TV1PNGL <65' [NO X-BRACES] (DIRECT EMBEDDED)
STEEL 115KV THREE POLE SINGLE CIRCUIT
TANGENT DEAD END STRUCTURE

PROFILE	SURVEYED	BY	DATE
	REVIEWED		
NOTEBOOK NO.	NOTES REDUCED		

CADD Drawing, DO NOT REVISE MANUALLY.
ANSI D

UNDERBUILD CONSTRUCTION TYPE	NEUTRAL CONDUCTOR TYPE	OHSW TYPE	CONDUCTOR TYPE
N/A	N/A	72 FIBER OPGW DNO-11467	1192 MCM 45/7 ACSR "BUNTING"
TENSION	TENSION	TENSION	TENSION
N/A	N/A	N/A	N/A
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.
N/A	N/A	N/A	N/A

YR. CONST. W/O

NOTES:

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

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NYSEG

REV.	DATE	BY	DESCRIPTION	APP.
0-0D	09/04/2024	CSA/DAS	ISSUED FOR PERMITTING	ZRH/DAS
0-0C	05/16/2024	NJP/DAS	ISSUED FOR APPROVAL	ZRH/DAS
0-0B	08/14/2023	ADR/DAS	ISSUED FOR REVIEW	ZRH/DAS
0-0A	07/06/23	GAP/DAS	ISSUED FOR REVIEW	ZRH/DAS

JENNISON TRANSMISSION SOLUTION PROJECT
TYPICAL STRUCTURE TYPE DETAILS

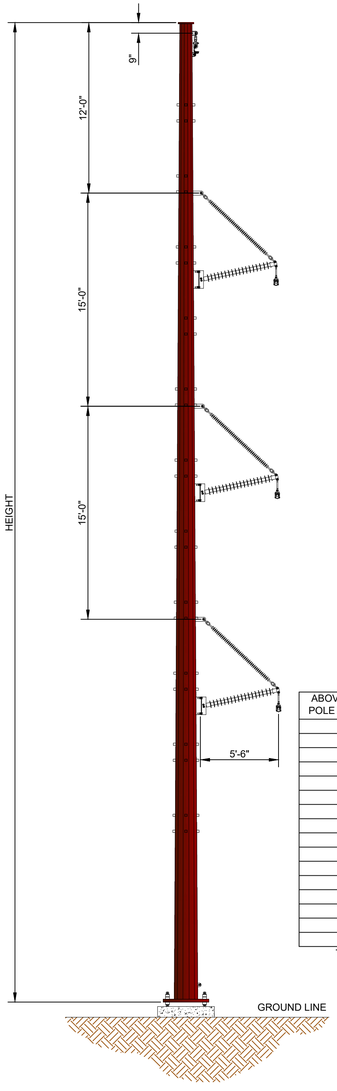
SHEET 4 OF 8

DR.	NJP/DAS	MILE	FILE:
CK.	ADR/DAS	NO.	REV. 0-0D
APP.	ZRH/DAS		
DATE:	09/04/2024		

PRELIMINARY ENGINEERING INDICATES THAT THE MOST COMMON ABOVE GROUND HEIGHT WILL BE APPROXIMATELY 90.5 FEET AT THE HIGHEST POINT (THE TOP OF THE VERTICAL POLES), AND THE AVERAGE WIDTH OF TANGENTS AT THE WIDEST POINT (INSULATOR TIP TO INSULATOR TIP) WILL BE APPROXIMATELY 14.5 FEET. THE MATERIAL OF THE STRUCTURE WILL BE STEEL, THEIR COLOR WILL BE RUST, THE FINISH WILL BE SELF-WEATHERING. THE MATERIAL OF THE INSULATORS WILL BE TOUGHENED GLASS (CLEAR COLOR) FOR STRING INSULATORS OR SILICONE RUBBER (GRAY COLOR) FOR THE POST AND BRACED POST INSULATORS.

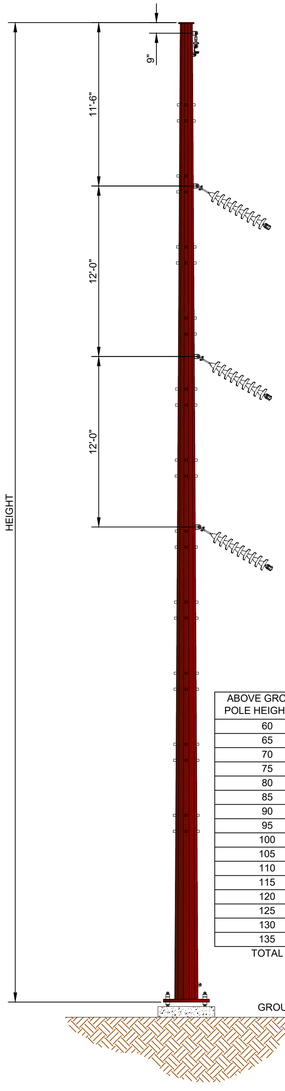
PLAN	SURVEYED	BY	DATE
NOTEBOOK NO.	REVIEWED		
	ROW CHKD		

PLAN SCALE:
1" = 200'



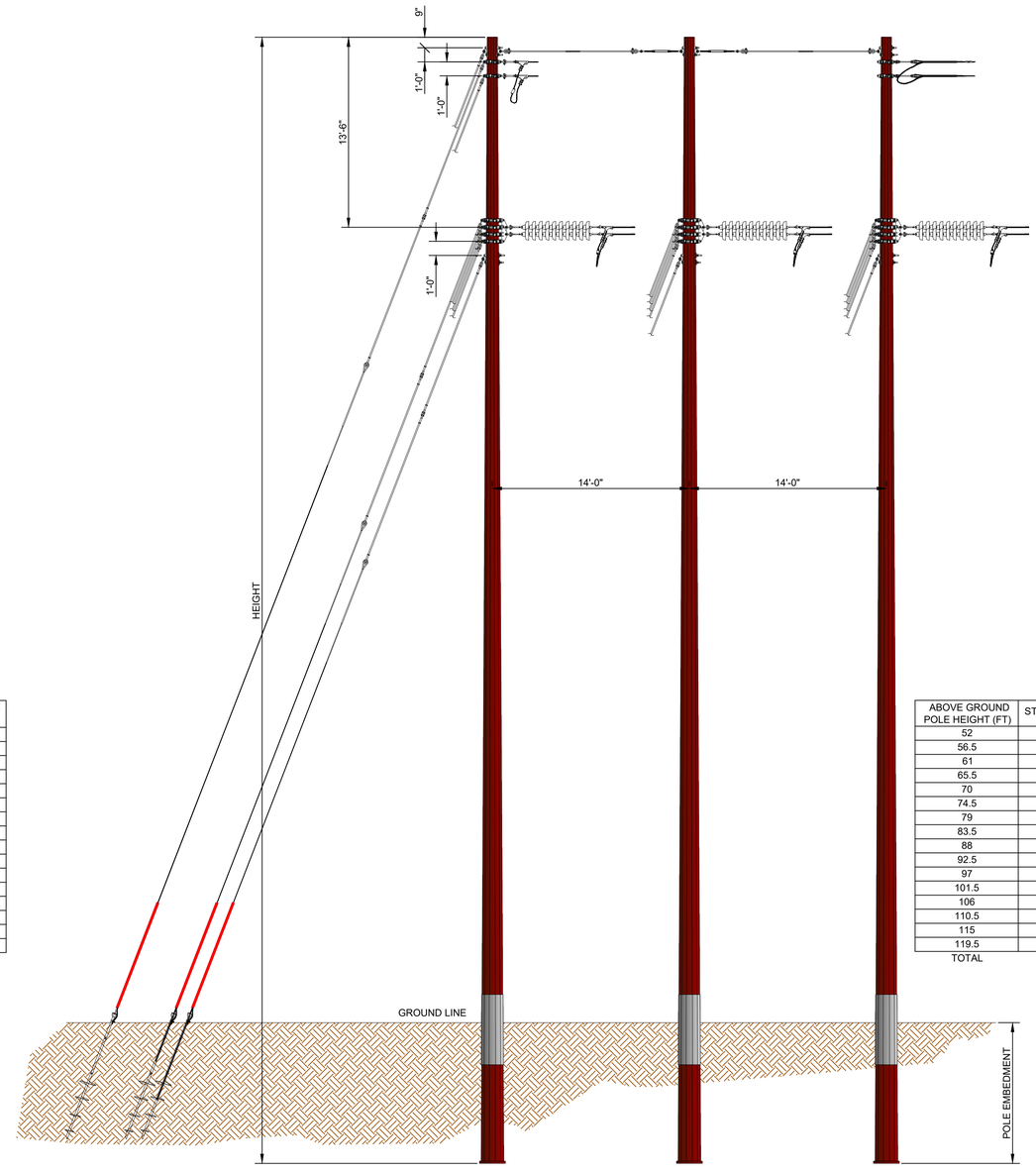
ABOVE GROUND POLE HEIGHT (FT)	STR QUANTITY
60	0
65	0
70	0
75	0
80	0
85	0
90	0
95	2
100	0
105	1
110	0
115	0
120	0
125	0
130	0
135	0
TOTAL	3

TM2.23.TES1CH (ON FOUNDATION)
STEEL 115KV SINGLE POLE SINGLE CIRCUIT
VERTICAL BRACED POST STRUCTURE 0-15
AND RUNNING ANGLE



ABOVE GROUND POLE HEIGHT (FT)	STR QUANTITY
60	0
65	0
70	0
75	0
80	0
85	0
90	0
95	1
100	0
105	2
110	0
115	1
120	1
125	0
130	0
135	0
TOTAL	5

TM2.23.TES1CG (ON FOUNDATION)
STEEL 115KV SINGLE POLE SINGLE CIRCUIT
RUNNING ANGLE SUSPENSION STRUCTURE 15-60



ABOVE GROUND POLE HEIGHT (FT)	STR QUANTITY
52	1
56.5	1
61	0
65.5	0
70	0
74.5	1
79	0
83.5	0
88	0
92.5	0
97	0
101.5	0
106	0
110.5	0
115	0
119.5	0
TOTAL	3

TM2.23.TV1PNVG >70' (DIRECT EMBEDDED)
TM2.23.TV1PNOG <65' (DIRECT EMBEDDED)
STEEL 115KV THREE POLE SINGLE CIRCUIT
DEAD END STRUCTURE 60+

PROFILE	SURVEYED	BY	DATE
NOTEBOOK NO.	REVIEWED		
	NOTES REDUCED		

CADD Drawing. DO NOT REVISE MANUALLY.
ANSI D

UNDERBUILD CONSTRUCTION TYPE	NEUTRAL CONDUCTOR TYPE	OHSW TYPE	CONDUCTOR TYPE
N/A	N/A	72 FIBER OPGW DNO-11467	1192 MCM 45/7 ACSR "BUNTING"
TENSION	TENSION	TENSION	TENSION
N/A	N/A	N/A	N/A
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.
N/A	N/A	N/A	N/A

YR. CONST. W/O

NOTES:

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

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NYSEG

REV.	DATE	BY	DESCRIPTION	APP.
0-0D	09/04/2024	CSA/DAS	ISSUED FOR PERMITTING	ZRH/DAS
0-0C	05/16/2024	NJP/DAS	ISSUED FOR APPROVAL	ZRH/DAS
0-0B	08/14/2023	ADR/DAS	ISSUED FOR REVIEW	ZRH/DAS
0-0A	07/06/23	GAP/DAS	ISSUED FOR REVIEW	ZRH/DAS

JENNISON TRANSMISSION SOLUTION PROJECT
TYPICAL STRUCTURE TYPE DETAILS

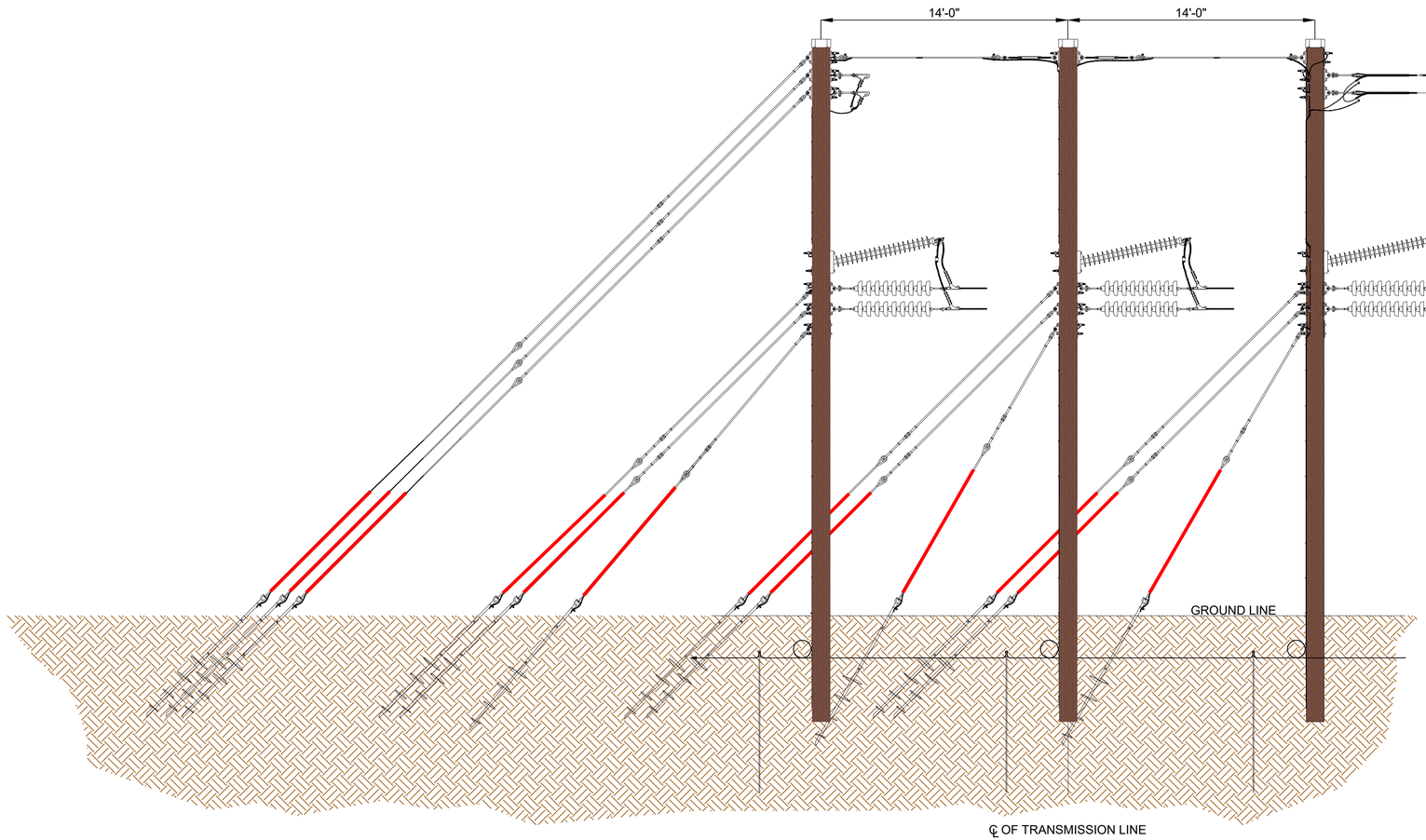
SHEET 5 OF 8

DR.	NJP/DAS	MILE	FILE:
CK.	ADR/DAS	NO.	REV. 0-0D
APP.	ZRH/DAS		
DATE:	09/04/2024		

PRELIMINARY ENGINEERING INDICATES THAT THE MOST COMMON ABOVE GROUND HEIGHT FOR THE TEMPORARY STRUCTURES WILL BE APPROXIMATELY 65.5 FEET AT THE HIGHEST POINT (THE TOP OF THE VERTICAL POLES), AND THE AVERAGE WIDTH OF TANGENTS AT THE WIDEST POINT (INSULATOR TIP TO INSULATOR TIP) WILL BE APPROXIMATELY 13.5 FEET. THE MATERIAL OF THE STRUCTURE WILL BE TREATED WOOD AND WEATHERED STEEL WHERE REQUIRED. THE MATERIAL OF THE INSULATORS WILL BE TOUGHENED GLASS (CLEAR COLOR) FOR STRING INSULATORS OR SILICONE RUBBER (GRAY COLOR) FOR THE POST AND BRACED POST INSULATORS.

PLAN		DATE
NOTEBOOK NO.		
SURVEYED		
REVIEWED		
ROW CHKD		
BY		

PLAN SCALE:
1" = 200'



TEMPORARY WOOD 115KV H-FRAME
SINGLE CIRCUIT
DEAD END STRUCTURE

PROFILE		DATE
NOTEBOOK NO.		
SURVEYED		
REVIEWED		
NOTES REDUCED		
BY		

CADD Drawing. DO NOT REVISE MANUALLY.
ANSI D

UNDERBUILD CONSTRUCTION TYPE	NEUTRAL CONDUCTOR TYPE	OHSW TYPE	CONDUCTOR TYPE
N/A	N/A	72 FIBER OPGW DNO-11467	1192 MCM 45/7 ACSR "BUNTING"
TENSION	TENSION	TENSION	TENSION
N/A	N/A	N/A	N/A
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.
N/A	N/A	N/A	N/A

YR. CONST. W/O

NOTES:

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

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REV.	DATE	BY	DESCRIPTION	APP.
0-0D	09/04/2024	CSA/DAS	ISSUED FOR PERMITTING	ZRH/DAS
0-0C	05/16/2024	NJP/DAS	ISSUED FOR APPROVAL	ZRH/DAS
0-0B	08/14/2023	ADR/DAS	ISSUED FOR REVIEW	ZRH/DAS
0-0A	07/06/23	GAP/DAS	ISSUED FOR REVIEW	ZRH/DAS

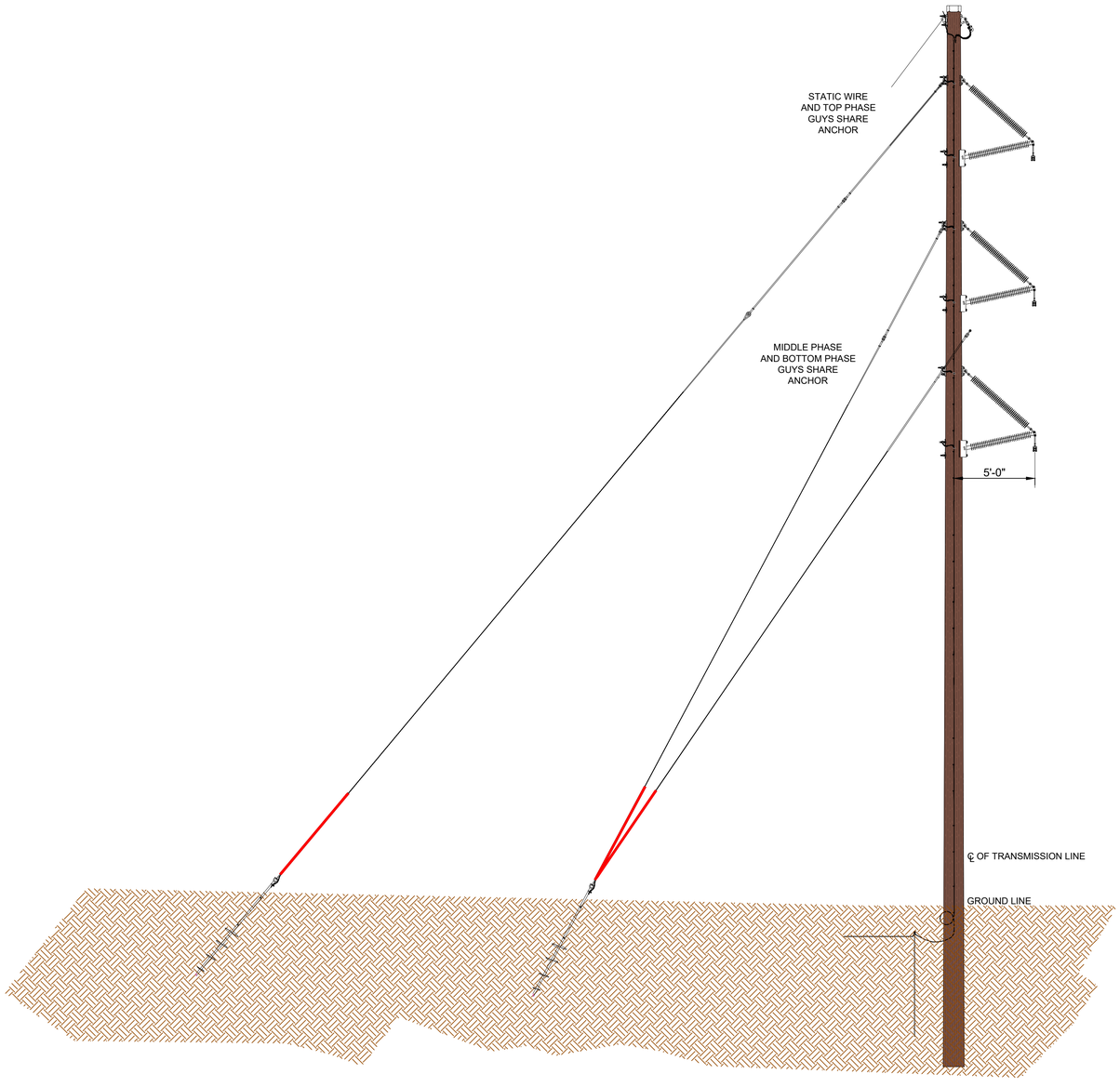
JENNISON TRANSMISSION SOLUTION PROJECT
TYPICAL STRUCTURE TYPE DETAILS
SHEET 6 OF 8

DR.	NJP/DAS	MILE	FILE:
CK.	ADR/DAS	NO.	REV. 0-0D
APP.	ZRH/DAS		
DATE:	09/04/2024		

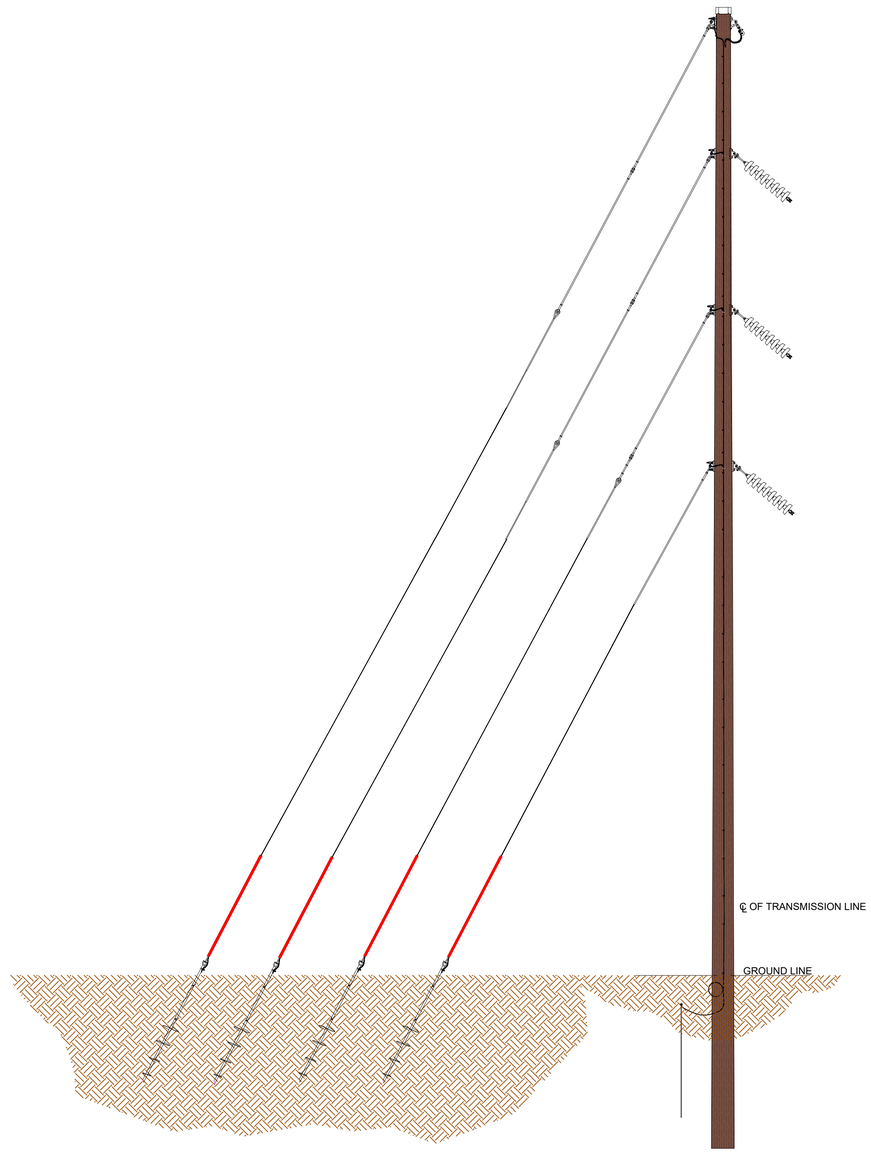
PRELIMINARY ENGINEERING INDICATES THAT THE MOST COMMON ABOVE GROUND HEIGHT FOR THE TEMPORARY STRUCTURES WILL BE APPROXIMATELY 65.5 FEET AT THE HIGHEST POINT (THE TOP OF THE VERTICAL POLES), AND THE AVERAGE WIDTH OF TANGENTS AT THE WIDEST POINT (INSULATOR TIP TO INSULATOR TIP) WILL BE APPROXIMATELY 13.5 FEET. THE MATERIAL OF THE STRUCTURE WILL BE TREATED WOOD AND WEATHERED STEEL WHERE REQUIRED. THE MATERIAL OF THE INSULATORS WILL BE TOUGHENED GLASS (CLEAR COLOR) FOR STRING INSULATORS OR SILICONE RUBBER (GRAY COLOR) FOR THE POST AND BRACED POST INSULATORS.

PLAN	SURVEYED	BY	DATE
NOTEBOOK NO.	REVIEWED		
	ROW CHKD		

PLAN SCALE:
1" = 200'



TEMPORARY WOOD 115KV
SINGLE CIRCUIT
TANGENT BRACED POST
STRUCTURE



TEMPORARY WOOD 115KV
SINGLE CIRCUIT
ANGLE STRUCTURE

PROFILE	SURVEYED	BY	DATE
NOTEBOOK NO.	REVIEWED		
	NOTES REDUCED		

CADD Drawing, DO NOT REVISE MANUALLY

ANSI D

UNDERBUILD CONSTRUCTION TYPE	NEUTRAL CONDUCTOR TYPE	OHSW TYPE	CONDUCTOR TYPE
N/A	N/A	72 FIBER OPGW DNO-11467	1192 MCM 45/7 ACSR "BUNTING"
TENSION	TENSION	TENSION	TENSION
N/A	N/A	N/A	N/A
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.
N/A	N/A	N/A	N/A

YR. CONST. W/O

NOTES:

REV.	DATE	BY	DESCRIPTION	APP.

PE Stamp

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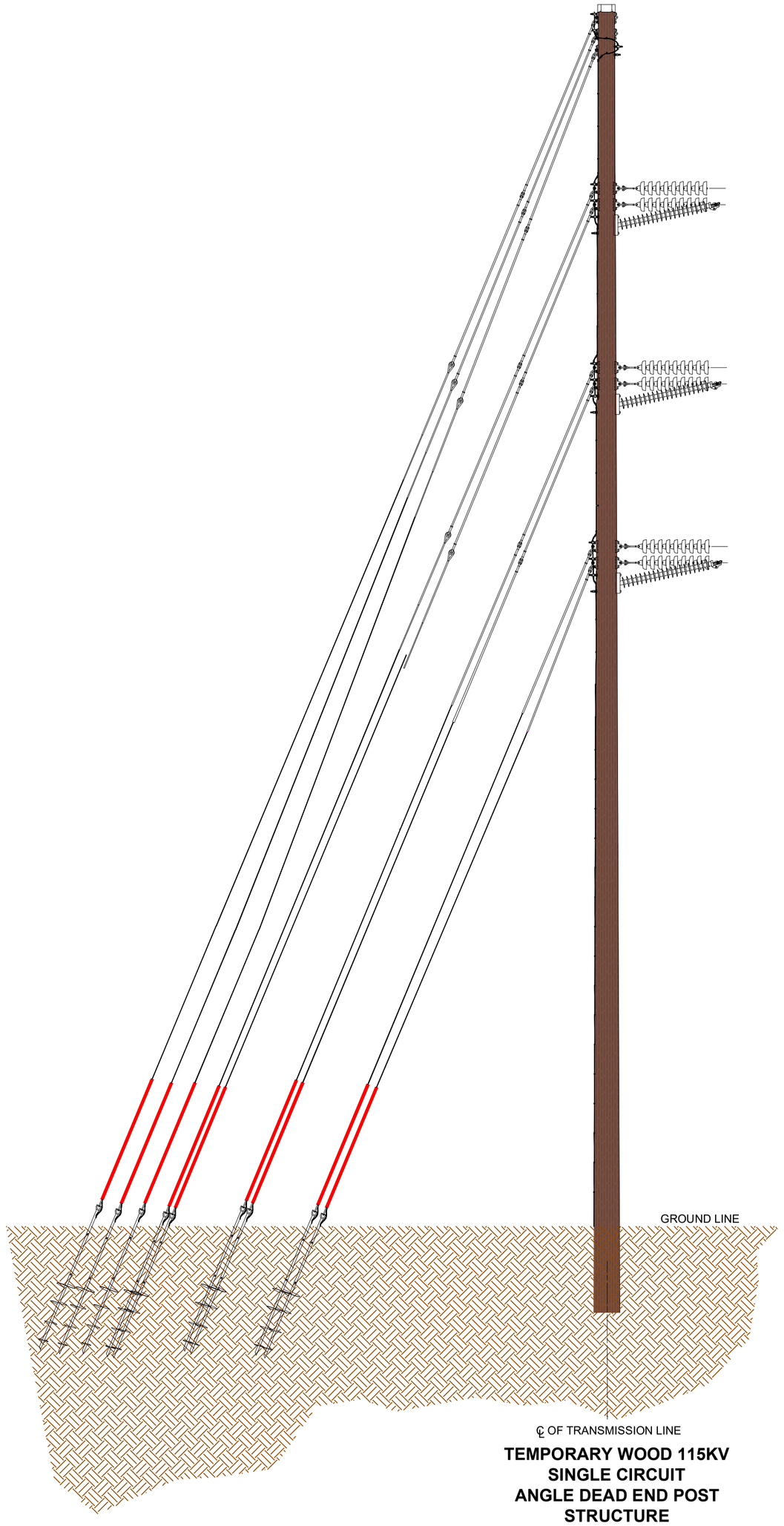
REV.	DATE	BY	DESCRIPTION	APP.
0-0D	09/04/2024	CSA/DAS	ISSUED FOR PERMITTING	ZRH/DAS
0-0C	05/16/2024	NJP/DAS	ISSUED FOR APPROVAL	ZRH/DAS
0-0B	08/14/2023	ADR/DAS	ISSUED FOR REVIEW	ZRH/DAS
0-0A	07/06/23	GAP/DAS	ISSUED FOR REVIEW	ZRH/DAS

JENNISON TRANSMISSION SOLUTION PROJECT
TYPICAL STRUCTURE TYPE DETAILS

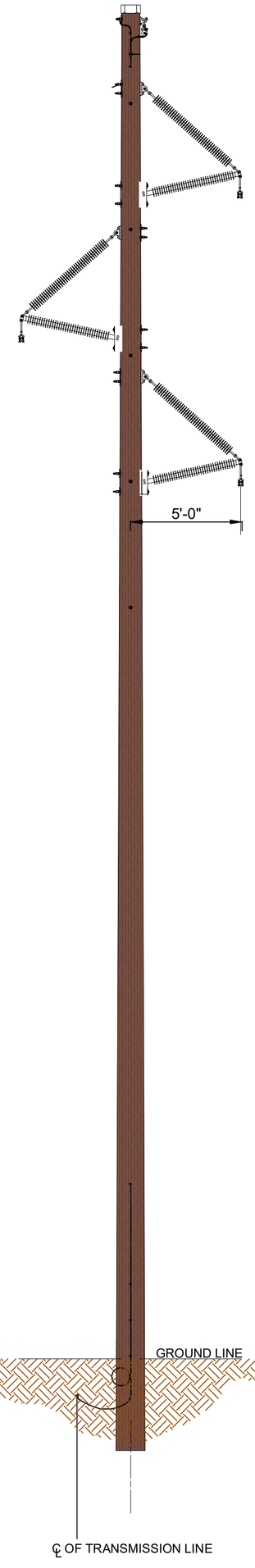
SHEET 7 OF 8

DR.	NJP/DAS	MILE	FILE:
CK.	ADR/DAS	NO.	REV. 0-0D
APP.	ZRH/DAS		
DATE:	09/04/2024		

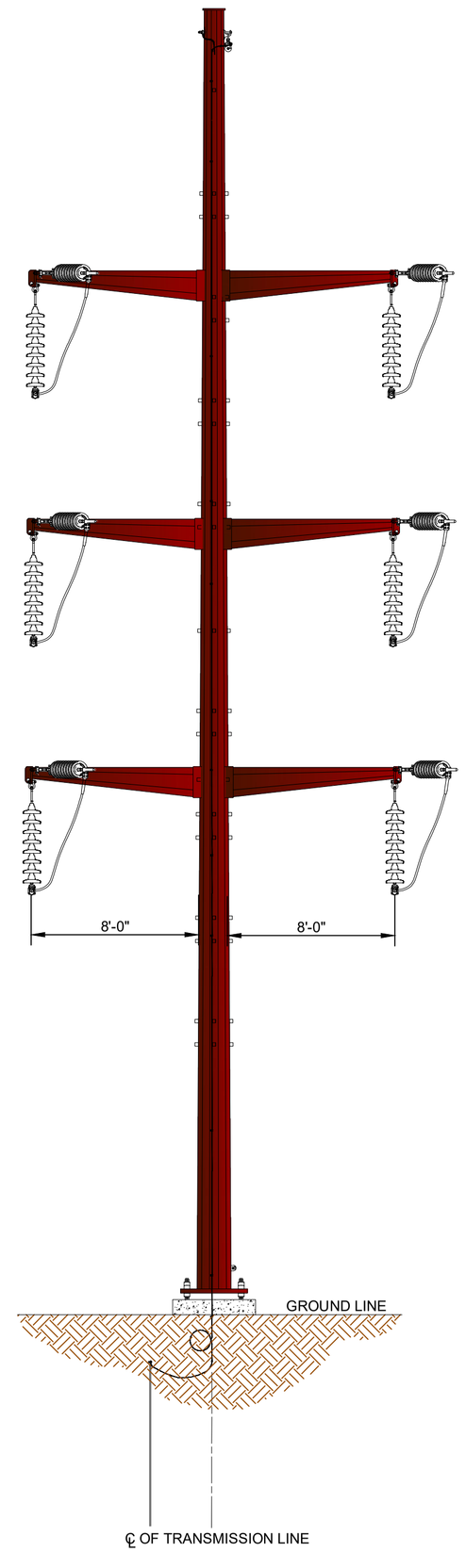
PRELIMINARY ENGINEERING INDICATES THAT THE MOST COMMON ABOVE GROUND HEIGHT FOR THE TEMPORARY STRUCTURES WILL BE APPROXIMATELY 65.5 FEET AT THE HIGHEST POINT (THE TOP OF THE VERTICAL POLES), AND THE AVERAGE WIDTH OF TANGENTS AT THE WIDEST POINT (INSULATOR TIP TO INSULATOR TIP) WILL BE APPROXIMATELY 13.5 FEET. THE MATERIAL OF THE STRUCTURE WILL BE TREATED WOOD AND WEATHERED STEEL WHERE REQUIRED. THE MATERIAL OF THE INSULATORS WILL BE TOUGHENED GLASS (CLEAR COLOR) FOR STRING INSULATORS OR SILICONE RUBBER (GRAY COLOR) FOR THE POST AND BRACED POST INSULATORS.



TEMPORARY WOOD 115KV SINGLE CIRCUIT ANGLE DEAD END POST STRUCTURE



TEMPORARY WOOD 115KV SINGLE CIRCUIT TANGENT BRACED POST STRUCTURE



TEMPORARY STEEL 115KV SINGLE POLE DOUBLE CIRCUIT DEAD END STRUCTURE

PLAN		BY	DATE
	SURVEYED		
NOTEBOOK NO.	REVIEWED		
	ROW CHKD		

PLAN SCALE:
1" = 200'

PROFILE		BY	DATE
	SURVEYED		
NOTEBOOK NO.	REVIEWED		
	NOTES REDUCED		

ANSI D

CADD Drawing. DO NOT REVISE MANUALLY.

UNDERBUILD CONSTRUCTION TYPE	NEUTRAL CONDUCTOR TYPE	OHSW TYPE	CONDUCTOR TYPE
N/A	N/A	72 FIBER OPGW DNO-11467	1192 MCM 45/7 ACSR "BUNTING"
TENSION	TENSION	TENSION	TENSION
N/A	N/A	N/A	N/A
DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.	DESIGN TEMP.
N/A	N/A	N/A	N/A

YR. CONST. W/O

NOTES:

REV.	DATE	BY	DESCRIPTION	APP.

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REV.	DATE	BY	DESCRIPTION	APP.
0-0D	09/04/2024	CSA/DAS	ISSUED FOR PERMITTING	ZRH/DAS
0-0C	05/16/2024	NJP/DAS	ISSUED FOR APPROVAL	ZRH/DAS
0-0B	08/14/2023	ADR/DAS	ISSUED FOR REVIEW	ZRH/DAS
0-0A	07/06/23	GAP/DAS	ISSUED FOR REVIEW	ZRH/DAS

JENNISON TRANSMISSION SOLUTION PROJECT
TYPICAL STRUCTURE TYPE DETAILS
SHEET 8 OF 8

DR.	NJP/DAS	MILE	FILE:
CK.	ADR/DAS	NO.	REV. 0-0D
APP.	ZRH/DAS		
DATE:	09/24/2024		

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