

4

3

2

1

ITEM NO.	PART NUMBER	DESCRIPTION	DESCRIPTION 2	QTY.
1	POLE	POLE, DIRECT BURIAL	-	1
2	TEN-0007	3" O.D. TENON	3-1/2" HEIGHT	1
3	COV-0012	HANDHOLE COVER, 2-1/2" X 5"	ROUND TAPERED	1
4	RN0250-0003	RIVET NUT, 1/4-20	.280 - .500 GRIP RANGE	2
5	PS0250	PHILLIPS SCREW 1/4"-20 X 1"	-	2

FEATURE ORIENTATIONS

	0°	90°	180°	270°
CABLE ENTRY	X			
HAND HOLE	X			

NOTE: ALL HOLES DRILLED ONLY THROUGH THE
FACES SPECIFIED BY 'X'

180°

90°

270°

0°

HANDHOLE

24'0"

20'0"

1'6"

2'0"

(4'0")

GROUNDLINE

Ø 2 1/4" CABLE ENTRY

Ø 7 7/8" O.D. BUTT

Ø 4 1/2" O.D. TIP

2

1

3

B

HANDHOLE WITH COVER

DETAIL B
HANDHOLE CUTOUT
COVER REMOVED FOR CLARITY
SCALE 1 : 6

DETAIL A
COVER ASSEMBLY
SCALE 1 : 6

NOTES:

1. DIRECT BURIAL CLASS 1 POLE PER ASTM 4923. POLE TOP DEFLECTION SHALL NOT EXCEED 15% OF THE ABOVE GROUND HEIGHT AT MAXIMUM WIND LOADING AND MAXIMUM FIXTURE WEIGHT.

2. DESIGN CRITERIA PER AASHTO LTS-6-2013 WITH A MINIMUM SAFETY FACTOR OF 1.5 PER ANSI C136.20-2012.

3. WIND SPEEDS DEFINED AS 3 SECOND GUST PER ASCE 7-16 WITH VELOCITY CONVERSIONS PER 2018 IBC 1609.3.1.

4. EMBEDMENT BASED ON MINIMUM DEPTH RECOMMENDED BY ANSI C136.20-2012 SECTION 5.3 AND ASSUMING CLASS 1 SOIL OR BETTER WHEN LOADED AT MAXIMUM EPA.

MAXIMUM EPA PER WINDZONE

MPH	90	100	110	120	130	140	150	160	170	180
EPA	19.1	14.5	11.3	9.2	7.8	7.4	6.3	5.4	4.7	4.1

N

S

= NATURAL FINISH

= SMOOTH FINISH

D4TE24F00

↑3

↓

GXHH

G = GRAY

A = BLACK

F = BRONZE

W = WHITE

N = GREEN

---UNLESS OTHERWISE SPECIFIED---

DIMENSION UNITS ARE IN FEET AND INCHES
DIMENSIONS SHOWN ARE NOMINAL

STATE:	REVIEW	2025-07-24
DRAWN:	STK	2025-07-23
CHECKED:	AKS	2025-07-24
APPROVED:		
REPLACES:		

PROPRIETARY AND CONFIDENTIAL

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THIRD ANGLE PROJECTION

CUSTOMER SIGNATURE:

DATE:

-REFERENCES-

alliancecompositesinc.com/warranty
geotek.com/termsandconditions

DESCRIPTION:

POLE ASSEMBLY, DIRECT BURIAL
EXTRA HEAVY DUTY, 24 FT

1421 SECOND AVE NW
STEWARTVILLE, MN 55976
(800) 533-1680
www.geotek.com

SIZE:

DWG. NO.

B

D4TE24F00X3XGXHH

POLE COLOR:

REV:

0.0

SCALE: 1:28

SHEET 1 OF 1

GEOTEK

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ALLIANCE™