

4

ITEM NO.

PART NUMBER

DESCRIPTION

DESCRIPTION 2

QTY.

1

POLE

POLE, DIRECT BURIAL

-

1

2

TEN-0002

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

3

FEATURE ORIENTATIONS

0°

90°

180°

270°

CABLE ENTRY

X

HAND HOLE

X

2

ECO

REV.

REVISIONS

DESCRIPTION

DATE

INITIALS

1

180°

270°

0°

90°

HANDHOLE

NOTE:

ALL HOLES DRILLED ONLY THROUGH THE

FACES SPECIFIED BY 'X'

20'0"

16'0"

1'6"

2'0"

(4'0")

GROUNDLINE

Ø 4" O.D. TIP

Ø 2 1/4" CABLE ENTRY

Ø 6 13/16" O.D. BUTT

1

2

3

B

HANDHOLE WITH COVER

DETAIL B

HANDHOLE CUTOUT

COVER REMOVED FOR CLARITY

SCALE 1 : 6

2 1/2"

5"

DETAIL A

COVER ASSEMBLY

SCALE 1 : 6

4

3

5

4

5

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	15.5	11.9	9.3	7.3	6.0	5.7	4.8	4.1	3.6	3.1

N = NATURAL FINISH

S = SMOOTH FINISH

D4TH20F00

3

GXHHM

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

2025-07-23

DRAWN:

ARK

2025-05-19

CHECKED:

STK

2025-07-23

APPROVED:

2024-01-16

REPLACES:

THIRD ANGLE PROJECTION

PROPRIETARY AND CONFIDENTIAL

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CUSTOMER SIGNATURE:

DATE:

REFERENCES

alliancecompositesinc.com/warranty

geotek.com/termsandconditions

DESCRIPTION:

POLE ASSEMBLY, DIRECT BURIAL

HEAVY DUTY, 20 FT

SIZE:

DWG. NO.

B D4TH20F00X3XGXHHM

SCALE: 1:24

1421 SECOND AVE NW

STEWARTVILLE, MN 55976

(800) 533-1680

www.geotek.com

POLE COLOR:

REV:

0.0

GEOTEK

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ALLIANCE

4

3

2

1