

ITEM NO.

PART NUMBER

DESCRIPTION

DESCRIPTION 2

QTY.

1

POLE

POLE, DIRECT BURIAL

-

1

2

TEN-0003

2-3/8" 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

ECO

REV.

DESCRIPTION

DATE

INITIALS

1.0

REPLACE PS0250-0008 WITH PS0250

7/22/2025

AKS

FEATURE ORIENTATIONS

0°

90°

180°

270°

CABLE ENTRY

X

HAND HOLE

X

180°

90°

270°

0°

HANDHOLE

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

24'0"

20'0"

1'6"

2'0"

(4'0")

GROUNDLINE

Ø 4 1/2" O.D. TIP

Ø 2 1/4" CABLE ENTRY

Ø 7 7/8" 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

15.7

11.8

9.0

7.3

6.1

5.9

4.9

4.2

3.6

3.1

N = NATURAL FINISH

S = SMOOTH FINISH

D4TH24F00

1

2

G

X

H

H

M

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:

AJH

2024-01-11

CHECKED:

STK

2025-07-23

APPROVED:

REPLACES:

-

THIRD ANGLE PROJECTION

DESCRIPTION:

POLE ASSEMBLY, DIRECT BURIAL
HEAVY DUTY, 24 FT

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

CUSTOMER SIGNATURE:

DATE:

-REFERENCES-

alliancecompositesinc.com/warranty

geotek.com/termsandconditions

SIZE:

DWG. NO.

B D4TH24F00X2XGXHHM

POLE COLOR:

REV:

1.0

SCALE: 1:28

SHEET 1 OF 1

4

3

2

1