

4

ITEM NO.

PART NUMBER

DESCRIPTION

DESCRIPTION2

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

3

2

1

ECO

REV.

DESCRIPTION

DATE

INITIALS

1.0

PS0250 WAS PS0250-0008, UPDATE SHEET FORMAT

7/17/2025

ARK

180°

90°

270°

0°

HANDHOLE

FEATURE ORIENTATIONS

0°

90°

180°

270°

CABLE ENTRY

X

HAND HOLE

X

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

24'0"

20'0"

(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

HANDHOLE WITH COVER

180°

90°

270°

0°

HANDHOLE

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 2 SOIL OR BETTER WHEN LOADED AT MAXIMUM EPA.

MAXIMUM EPA PER WINDZONE

MPH	90	100	110	120	130	140	150	160	170	180
EPA	9.1	6.5	4.6	3.6	2.9	2.8	2.3	1.9	1.5	1.3

N

S

= NATURAL FINISH

= SMOOTH FINISH

D4TS24F00

↑2

↓

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 2025-07-18

DRAWN: BMR 2023-03-20

CHECKED: BLZ 2025-07-18

APPROVED:

REPLACES:

THIRD ANGLE PROJECTION

CUSTOMER SIGNATURE:

DATE:

-REFERENCES-

alliancecompositesinc.com/warranty

geotek.com/termsandconditions

GEOTEK

A Whole New World of Composites

ALLIANCE™

DESCRIPTION:

POLE ASSEMBLY, DIRECT BURIAL
STANDARD DUTY, 24 FT

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

SIZE: DWG. NO.

B D4TS24F00X2XGXHHM

POLE COLOR: REV:

1.0

SCALE: 1:28

SHEET 1 OF 1