

ITEM NO.

1

PART NUMBER

POLE

DESCRIPTION

POLE, DIRECT BURIAL

DESCRIPTION 2

-

QTY.

1

2

TEN-0001

TENON 2-3/8"

3-1/2" HEIGHT

1

3

COV-0012

HANDHOLE COVER, 2-1/2" X 5"

ROUND TAPERED

1

4

PS0250-0009

PHILLIPS SCREW, 1/4"-20 X 1"

BLACK OXIDE, STAINLESS

2

5

RN0250-0003

RIVET NUT, 1/4-20

.280 - .500 GRIP RANGE

2

ECO

REV.

DESCRIPTION

DATE

INITIALS

1.0

UPDATE CABLE ENTRY HOLE SIZE AND NOTES FORMAT

8/4/2023

AJH

2.0

COV-0012 WAS COV-0001, ADDED PS0250-0009 AND RN0250-0003, UPDATED SHEET FORMAT

5/1/2024

ARK

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

DETAIL B

HANDHOLE CUTOUT

COVER REMOVED FOR CLARITY

SCALE 1 : 6

18'0"

14'0"

4'0"

1'6"

2'0"

GROUNDLINE

HANDHOLE WITH COVER

Ø 2 1/4" CABLE ENTRY

Ø 6 1/2" O.D. BUTT

Ø 4" O.D. TIP

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	8.5	6.3	4.7	3.5	2.7	2.5	2.1	1.7	1.4	1.2

N = NATURAL FINISH

S = SMOOTH FINISH

D4TS18F0012GXHH

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

2024-05-01

DRAWN:

AJH

2022-06-09

CHECKED:

STK

2024-05-01

APPROVED:

REPLACES:

THIRD ANGLE PROJECTION

DESCRIPTION:

POLE ASSEMBLY, DIRECT BURIAL

STANDARD DUTY, 18FT

SIZE:

DWG. NO.

B IN-D4TS18F00X2XGXHH

SCALE: 1:28

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POLE COLOR:

REV:

2.0

SHEET 1 OF 1

INCON LIGHTING

AN AMERICAN COMPANY