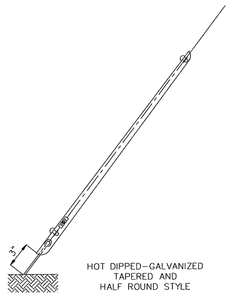
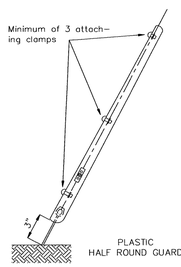
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|---|---|---|---|
| CONST. | 2015 | NH-29(86) | U2-16 |
| | | | |
| | | | |

MORGAN COUNTY 65001-3268-14




HOT DIPPED-GALVANIZED
TAPERED AND
HALF ROUND STYLE




PLASTIC
HALF ROUND GUARD

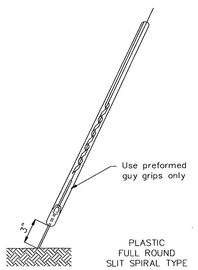
NOTES:

1- Guy guards shall be no less than 8 feet long.

2- Visibility of colored plastic guards can be improved by use of color or color patterns which provide contrast with the surroundings.

3- Guards for sidewalk guys should be full round type or installed so that mounting clamps will not come in contact with pedestrians.

4- Guards shall be installed so that anchor rod eye is covered.




PLASTIC
FULL ROUND
SLIT SPIRAL TYPE

DESIGNATE

E3-10G (Galvanized)
E3-10P (Plastic)

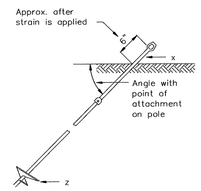
TENNESSEE VALLEY PUBLIC POWER ASSOCIATION

GUY GUARDS

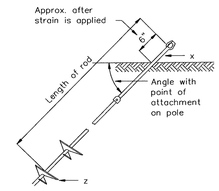
RUS EQUIVALENT:
E3-10

DWG. No.
E3-10

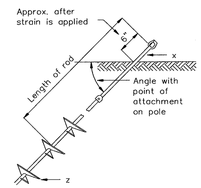
| DATE | REVISION | DATE | REVISION |
|---|---|---|---|
| | | | |




FP-1
SERVICE SCREW ANCHOR ASSEMBLY




FP-2
POWER INSTALLED HELIX SCREW ANCHOR




FP-3
POWER INSTALLED DOUBLE HELIX SCREW ANCHOR

NOTES:

1- Use the number of 3 1/2' or 7' extension needed to reach the depth where maximum holding power is obtained.

| ITEM | QUANTITY F1-1S | F1-2S | F1-3S | DESCRIPTION |
|---|---|---|---|---|
| x | 1 | 1 | 1 | Anchor Shaft, size as Req'd |
| z | 1 | – | – | Helix Hub, Size as Req'd., Single Blade |
| z | – | 1 | – | Helix Hub, Size as Req'd., Double Blade |
| z | – | – | 1 | Helix Hub, Size as Req'd., Triple Blade |
| | * | * | * | Extension Rod, 3'-6"- Additional Extension Rods 3'-6" and 7'-0" Lengths as Required. |

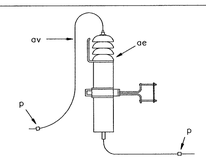
TENNESSEE VALLEY PUBLIC POWER ASSOCIATION

POWER INSTALLED
SCREW ANCHORS

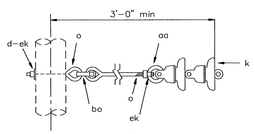
RUS EQUIVALENT:
F1-1S to F1-3S

DWG. No.
FP-1 to
FP-3

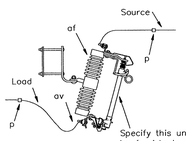
| DATE | REVISION | DATE | REVISION |
|---|---|---|---|
| | | | |




M5-6C

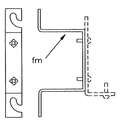



M5-8S

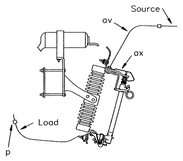



Specify this unit to be furnished with fuse tube or switch blade.

M5-9C




M5-9PB




M5-10C

| ITEM | DESCRIPTION | QUANTITY M5-6C | M5-8S | M5-9C | M5-9PB | M5-10C |
|---|---|---|---|---|---|---|
| d | Washer, 2 1/4" Square With 11/16" Hole | | 1 | | | |
| k | Insulator, Suspension, 6" | | 2* | | | |
| o | Bolt, Oval Eye, 5/8" x Req'd Length | | 2 | | | |
| P | Connector | 1 | | 2 | | 2 |
| oa | Nut, Oval Eye, 5/8" | | 1 | | | |
| ae | Lightning Arrester | 1 | | | | |
| af | Cutout, Single Shot | | | 1 | | |
| av | Jumper and Leads, As Req'd | 1 | | 2 | | 2 |
| ax | Cutout and Arrester Combination | | | | | 1 |
| bo | Shackle, Anchor | | 1 | | | |
| ek | Locknut, 5/8" | | 2 | | | |
| fm | Bracket, Arrester and Pothead Extension | | | | 1 | |

* For 25kV operation, use 3-6" suspension insulators.

SHEET 2 OF 4

TENNESSEE VALLEY PUBLIC POWER ASSOCIATION

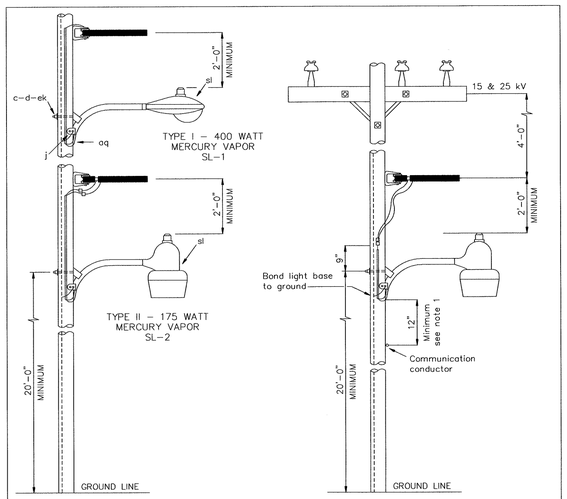
MISCELLANEOUS
PRIMARY ASSEMBLIES

RUS EQUIVALENT:
M5-1 TO M5-26

DWG. No.
M5

| DATE | REVISION | DATE | REVISION |
|---|---|---|---|
| | | | |

M5.dwg




NOTES:

1- Rule 238 D, N.E.S.C. 2002

| ITEM | QUANTITY | DESCRIPTION |
|---|---|---|
| c | 1 | Bolt, Machine, 1/2" x Req'd Length |
| d | 1 | Washer, 2 1/4" Square With 9/16" Hole |
| j | 2 | Screw, Lag, 1/2" x 4" |
| P | 1 | Bracket Grounding Connector |
| P | – | Jumper and Lead Connectors, As req'd |
| aq | – | Copper Jumper, Length As Req'd |
| ek | 1 | Locknut, 1/2" |
| sl | 1 | Security Light (Specify Wattage) |

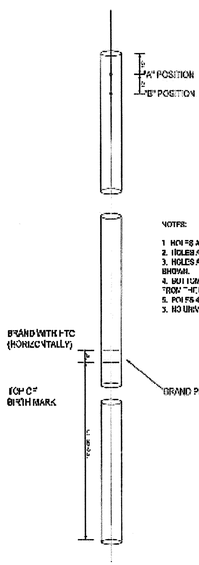
TENNESSEE VALLEY PUBLIC POWER ASSOCIATION

GUIDE DRAWING
175 AND 400 WATT SECURITY LIGHT

RUS EQUIVALENT:
15kV: M26-5

DWG. No.
SL-1
SL-2

| DATE | REVISION | DATE | REVISION |
|---|---|---|---|
| | | | |




NOTES:

1. POLES ARE TO BE 11 1/2" IN DIAMETER
2. HOLES ARE TO BE PRE-DRILLED
3. HOLES AND BRAND ARE TO BE PERPENDICULAR TO BACK OUTSIDE AS BROWSE
4. BOTTOM OF BRAND OR CENTER OF METAL DISK SHALL BE 12" (OR 1') FROM THE BOTTOM OF THE POLE 50' OR 45' HIGH POLES 62' AND LONGER
5. POLES 40' AND TALLER WILL NEED TO BE GAINED
6. NO UNIVERSAL UNLIKED POLES.

POLE DRILLED AND BRANDED AS SPECIFIED BY I-TC

SCALE: NTS 9-13-12

167

9/5/2014 12:34:38 PM
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ELECTRIC RELOCATION
ELECTRIC DETAILS

JEFF L. MEADOW
REGISTERED ENGINEER
AGRICULTURE COMMERCE
No. 23025
STATE OF TENNESSEE

| | |
|---|---|
| CCI NO. | 923-0005 |
| P.I.C. | JEFF MEADOW |
| DRAWN | JNR |
| Q.C. | DM |
| SCALE: 1" = 50' | DATE: 8-29-2014 |