


1119	POLES, HARDWARE AND FRAMING POLE GROUNDING	
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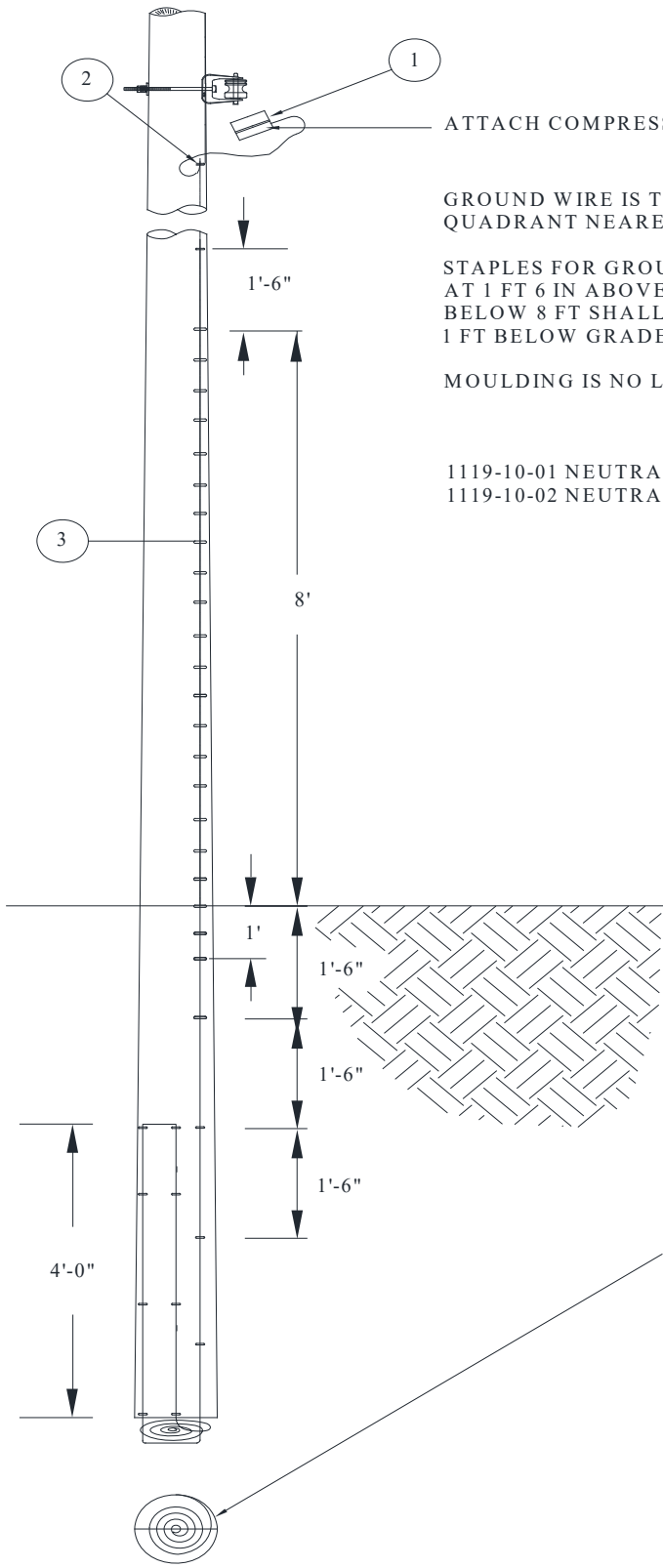
1119

POLE GROUNDING

CONTAINS

- 1119-10 GROUNDING FOR WOOD POLE W/BUTT COIL**
- 1119-15 GROUNDING ROD**
- 1119-20 GROUNDING FOR WOOD POLE W/GROUND ROD**
- 1119-22 GROUNDING FOR FIBERGLASS POLE W/GROUND ROD**
- 1119-25 GROUNDING FOR STEEL POLE W/GROUND ROD**

POLES, HARDWARE, AND FRAMING
 POLE GROUNDING
 GROUNDING FOR WOOD POLE W/BUTT COIL



ATTACH COMPRESSION "H" TAP TO NEUTRAL

GROUND WIRE IS TO BE INSTALLED ON THE QUADRANT NEAREST THE NEUTRAL.

STAPLES FOR GROUND WIRE SHALL BE SPACED AT 1 FT 6 IN ABOVE 8 FT TO NEUTRAL. STAPLES BELOW 8 FT SHALL BE STAPLED EVERY 6 IN, TO 1 FT BELOW GRADE.

MOULDING IS NO LONGER USED.

1119-10-01 NEUTRAL #6 TO 1/0
 1119-10-02 NEUTRAL #6 TO 4/0

THERE SHALL BE AT LEAST 12 FT. OF #6 COPPER ATTACHED TO POLE SIDES AT THE POLE BOTTOM.

THE #6 WIRE, ATTACHED TO THE SIDE OF THE POLE AT THE BOTTOM, SHALL EXTEND A MINIMUM OF 4 FT. FROM THE BOTTOM OF THE POLE.

BUTT COIL SHALL BE A CONTINUOUS PART OF THE POLE GROUND AND STAPLED TO THE BOTTOM OF THE POLE.

THE BUTT COIL SHALL BE COMPOSED OF A MINIMUM OF 8 LINEAR FEET OF #6 BARE COPPER WIRE. A MINIMUM OF 5 CONCENTRIC CIRCLES IS RECOMMENDED.

NOTE: USE #2 TIN IN SPECIAL CIRCUMSTANCES SUCH AS WITH AIR-SWITCH

GROUND WIRE AND BUTT COIL ARE ONE CONTINUOUS WIRE.

GROUND WIRE SHALL CROSS OVER THE COILED PORTION OF THE GROUND WIRE AND BE STAPLED TO THE BUTT OF THE POLE.

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POLES, HARDWARE AND FRAMING
POLE GROUNDING
GROUNDING FOR WOOD POLE W/BUTT COIL



CU-ID

CU-REF

CU-DESCRIPTION

GRDWPBC6-1/0N

11191001

GRD WOOD POLE W/BUTT COIL #6-1/0N

ID	PART NUM	PART DESC	QTY		CU-REF
2	0000004527	WIRE COP BARE SOFT DRAWN #6	75	EA	11191001
1	0000005603	TAP COMP H TYPE 1/0 TO #6	1	EA	11191001
3	0000009575	STAPLE GALV 1-1/2 INCH	40	EA	11191001

GRDWPBC6-4/0N

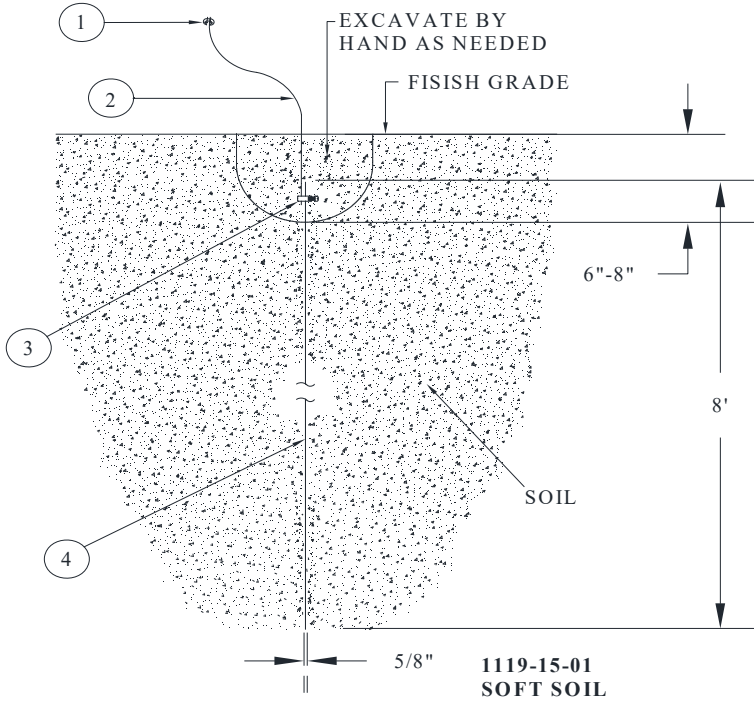
11191002

GRD WOOD POLE W/BUTT COIL #6-4/0N

ID	PART NUM	PART DESC	QTY		CU-REF
2	0000004527	WIRE COP BARE SOFT DRAWN #6	75	EA	11191002
1	0000005605	TAP COMP H-TY 4/0 ACSR TO #6	1	EA	11191002
3	0000009575	STAPLE GALV 1-1/2 INCH	40	EA	11191002

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POLES, HARDWARE, AND FRAMING
POLE GROUNDING
GROUNDING ROD



GROUND ROD SHALL BE PLACED 6 FT. FROM THE POLE.

GROUNDING SHALL BE TESTED AND SHALL NOT EXCEED 25 OHMS FOR POLES WITHOUT APPARATUS AND 10 OHMS WITH APPARATUS.

IF OHMS READING IS ABOVE REQUIREMENTS, A SECOND GROUND ROD SHALL BE DRIVEN AT LEAST 6 FT FROM THE FIRST GROUND ROD UNTIL OHMS REQUIREMENT IS MET.

IN SOFT SOIL, EXCAVATE 6 IN - 8 IN. BY HAND FOR WORKING ROOM BEFORE ATTEMPTING TO INSTALL GROUND ROD.

IN ROCKY SOIL, GROUND RODS INSTALLED MUST BE DRILLED TO TOTAL DEPTH USING A 3 IN. TO 4 IN. PNEUMATIC DRILL.

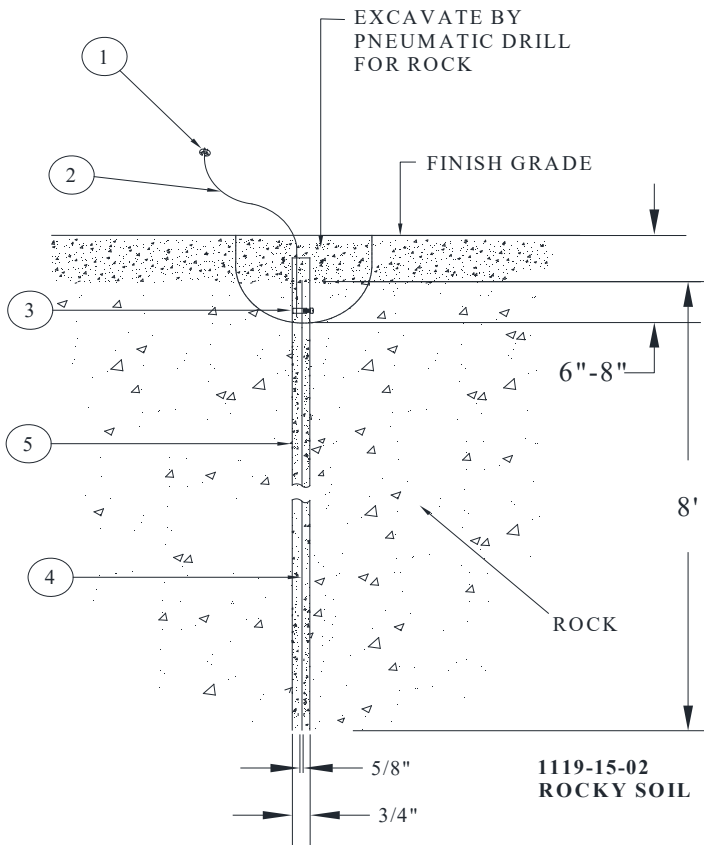
AFTER THE GROUND ROD HAS BEEN PLACED IN THE HOLE, POUR IN AN AUSTIN ENERGY APPROVED SLURRY TO WITHIN 3 IN. OF THE TOP OF THE GROUND ROD.


CENTER THE GROUND ROD IN THE HOLE WHICH ALLOWS SLURRY TO ENCASE THE GROUND ROD EVENLY.

FINISH THE GROUND WIRE CONNECTION. COVER THE GROUND ROD WITH 3 IN. OF SLURRY AND THEN COVER THE REMAINING EXCAVATION WITH SOIL.

USE SWEEPING BENDS FOR CONNECTION BETWEEN GROUND ROD AND POLE.

NO SHARP 90 DEGREE BENDS.



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CU-ID	CU-REF	CU-DESCRIPTION
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GRDWPWGRDRODRS6-4/0N	11192006	GRD WOOD POLE W/GRD ROD RS #6-4/0N
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ID	PART NUM	PART DESC	QTY	EA	CU-REF
2	0000001301	CONNECTOR COMPRESSION C-SHAPE #6 SOL - #4 STR	1	EA	11192001
3	0000004527	WIRE COP BARE SOFT DRAWN #6	75	EA	11192001
1	0000005603	TAP COMP H TYPE 1/0 TO #6	1	EA	11192001
4	0000007469	ROD GROUND 5/8 IN X 8 FT COPPERWELD EL230	1	EA	11192001
5	0000009575	STAPLE GALV 1-1/2 INCH	40	EA	11192001
6	0000017302	CLAMP GROUND VISE TYPE FOR 5/8 GROUND ROD CAST BRONZE	1	EA	11192001

GRDWPWGRDRODSS2-1/0N	11192011	GRD WOOD POLE W/GRD ROD SS #2-1/0N
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ID	PART NUM	PART DESC	QTY	EA	CU-REF
3	0000004533	CABLE BARE STRD COP TINNED SOFT # 2 2400/FT	75	EA	11192011
1	0000005603	TAP COMP H TYPE 1/0 TO #6	1	EA	11192011
2	0000006804	CONNECTOR SPLIT BOLT #2 STRD COP	1	EA	11192011
4	0000007469	ROD GROUND 5/8 IN X 8 FT COPPERWELD EL230	1	EA	11192011
5	0000009575	STAPLE GALV 1-1/2 INCH	40	EA	11192011
6	0000017302	CLAMP GROUND VISE TYPE FOR 5/8 GROUND ROD CAST BRONZE	1	EA	11192011

GRDWPWGRDRODSS2-4/0N	11192012	GRD WOOD POLE W/GRD ROD SS #2-4/0N
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ID	PART NUM	PART DESC	QTY	EA	CU-REF
3	0000004533	CABLE BARE STRD COP TINNED SOFT # 2 2400/FT	75	EA	11192012
1	0000005605	TAP COMP H-TY 4/0 ACSR TO #6	1	EA	11192012
2	0000006804	CONNECTOR SPLIT BOLT #2 STRD COP	1	EA	11192012
4	0000007469	ROD GROUND 5/8 IN X 8 FT COPPERWELD EL230	1	EA	11192012
5	0000009575	STAPLE GALV 1-1/2 INCH	40	EA	11192012
6	0000017302	CLAMP GROUND VISE TYPE FOR 5/8 GROUND ROD CAST BRONZE	1	EA	11192012

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POLES, HARDWARE AND FRAMING
POLE GROUNDING
GROUNDING FOR WOOD POLE GROUND ROD



CU-ID

CU-REF

CU-DESCRIPTION

GRDWPWGRDRODRS2-1/0N

11192016

GRD WOOD POLE W/GRD ROD RS #2-1/0N

ID	PART NUM	PART DESC	QTY		CU-REF
7	0000001273	GROUND FINE POWDER 25LB BAG - GRD ROD HOLES ROCKY AREA	1	EA	11192016
3	0000004533	CABLE BARE STRD COP TINNED SOFT # 2 2400/FT	75	EA	11192016
1	0000005603	TAP COMP H TYPE 1/0 TO #6	1	EA	11192016
2	0000006804	CONNECTOR SPLIT BOLT #2 STRD COP	1	EA	11192016
4	0000007469	ROD GROUND 5/8 IN X 8 FT COPPERWELD EL230	1	EA	11192016
5	0000009575	STAPLE GALV 1-1/2 INCH	40	EA	11192016
6	0000017302	CLAMP GROUND VISE TYPE FOR 5/8 GROUND ROD CAST BRONZE	1	EA	11192016

GRDWPWGRDRODRS2-4/0N

11192017

GRD WOOD POLE W/GRD ROD RS #2-4/0N

ID	PART NUM	PART DESC	QTY		CU-REF
7	0000001273	GROUND FINE POWDER 25LB BAG - GRD ROD HOLES ROCKY AREA	1	EA	11192017
3	0000004533	CABLE BARE STRD COP TINNED SOFT # 2 2400/FT	75	EA	11192017
1	0000005605	TAP COMP H-TY 4/0 ACSR TO #6	1	EA	11192017
2	0000006804	CONNECTOR SPLIT BOLT #2 STRD COP	1	EA	11192017
4	0000007469	ROD GROUND 5/8 IN X 8 FT COPPERWELD EL230	1	EA	11192017
5	0000009575	STAPLE GALV 1-1/2 INCH	40	EA	11192017
6	0000017302	CLAMP GROUND VISE TYPE FOR 5/8 GROUND ROD CAST BRONZE	1	EA	11192017

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POLES, HARDWARE, AND FRAMING
POLE GROUNDING
GROUNDING FOR STEEL POLE W/GROUND ROD

