


ITEM	MATERIAL	QTY	ITEM	MATERIAL	QTY
a	Insulator, pin type, (24.9/14.4 KV)	3	cm	Insulator, spool, 3"	1
c1	Bolt, machine, 1/2" x req'd length	2	cu	Brace, 28"	2
c2	Bolt, machine, 5/8" x req'd length	4	cu	Brace, wood 60" span	1
d1	Washer, round, 1 3/8"	2	ec	Bracket, offset, neutral	1
d2	Washer, square, 2 1/4"	6	ek	Locknuts	4
f	Pin, crossarm, steel, clamp type	6	cp	Salisbury cover up	24'
g1	Crossarm, 3 5/8" x 4 5/8" x 8'-0"	1	rp1	Perch guard 36"	4
g2	Crossarm, 3 5/8" x 4 5/8" x 10'-0"	1	rp5	Perch guard 30" ZENA	2
i	Bolt, carriage, 3/8"x4 1/2"	2	rp13	Perch guard 12", Pole attached	1
j	Screw, lag, 1/2" x 4"	3	rp7	Perch guard extenders	6
a1	Clamp type insulator	3	rp9	Perch guard Pole Top cap	1
bi	Gain Plate	1			

NOTES:

- DESIGN PARAMETERS:
MAXIMUM LINE ANGLES:
2° - LARGER THAN #1/0
- POLE SHOWN-40-4
- CUT ZENA SPIKES TO FIT
- COVERUPS TO EXTEND 3' FROM EACH FACE OF CROSSARM

**SINGLE SUPPORT ON CROSSARMS
(TANGENT) (LARGE CONDUCTORS)
DOUBLE CIRCUIT PRIMARY (OFF SET NEUTRAL)
24.9/14.4 kV**

04/03/12 REV. A	 A Touchstone Energy® Cooperative	VD1.82LRG
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