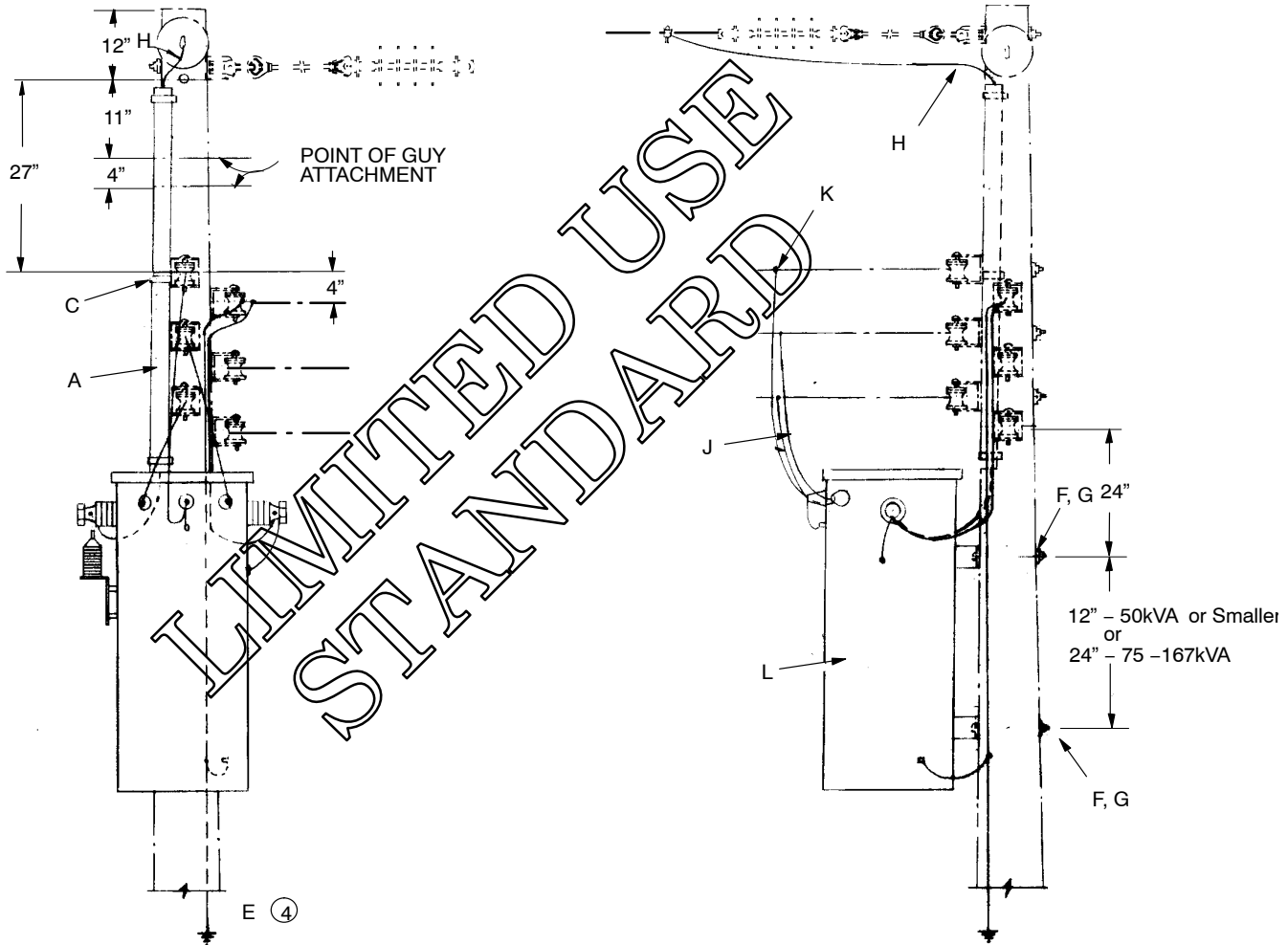


FOR NEW CONVENTIONAL TRANSFORMER USE DCS 13 12 10 02 or 13 12 14 02



		Std. / Stk. No.	Description	
	A	12 51 197	Conduit, Plastic, 1" (ft.)	6
	C	23 64 033	Staple - 1-1/2" x 3"	3
@4	E	12 00 10 **	Grounding Unit	1
T	F	23 52 063	Bolt, Mach., 5/8" x 10" (50kVA or smaller) OR	2
		23 52 095	Bolt, Mach., 3/4" x 10" (75 - 167kVA)	2
T	G	23 66 027	Washer, Square, 5/8" (50kVA or smaller) OR	2
		23 66 031	Washer, Curved, 3/4" (75 - 167kVA)	2
T	H		Wire, Ins., 5 kV (Ft.) (See 13 00 03 01)	10
T	J		Secondary Leads (Ft.) (See 13 00 03 01)	9
T	K	PG*	See 07 00 25 00	3
@	L		Transformer	1

TRANSFORMERS

4kV – 120/240 V. – Single Phase 1 to 167 kVA "T" or "L" Corner
CSP Maintenance Construction

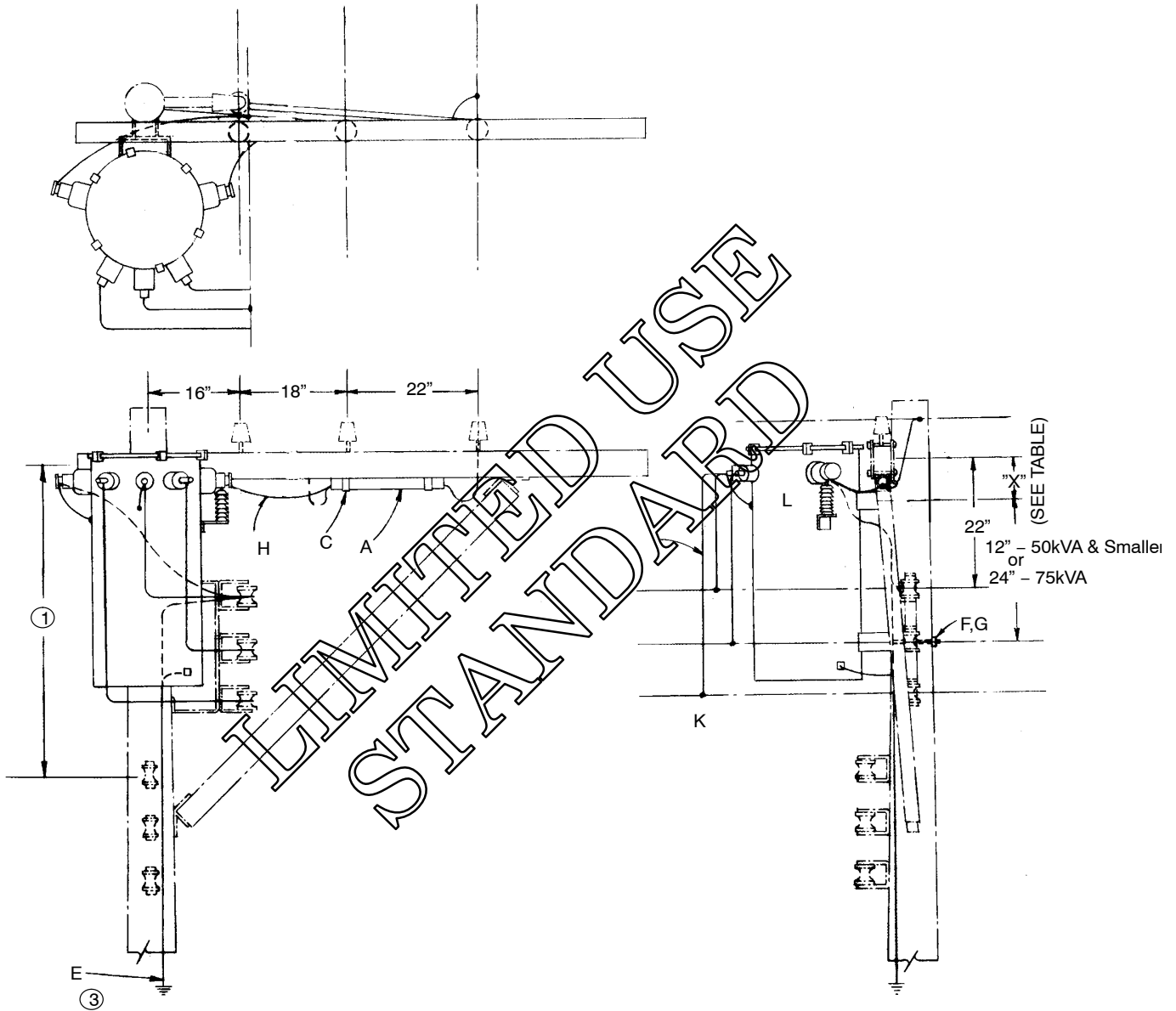
13 04 14 01

Sheet 2 of 2

NOTES:

1. The primary connection shall be made on the H₂ bushing on the side opposite the breaker operation handle.
2. Some 37-1/2 kVA and larger CSP transformers have two secondary breakers.
3. Measure distance between mounting slots and drill so that transformer rests evenly on both bolts.
4. Use DCS **12 00 10 01** for ground coil application on new pole installation. Use DCS **12 00 10 02** for ground rod application on existing pole installation.

FOR NEW CONVENTIONAL TRANSFORMER INSTALLATION USE DCS 13 12 21 02



	Dimension "X"
Transformers with 24" Spacing btwn. Mounting Lugs	8"
Transformers with 12" Spacing btwn. Mounting Lugs	12"

		Std. / Stk. No.	Description	
	A	12 51 197	Conduit, Plastic, 1" (ft.)	2
	C	23 64 033	Staple - 1-1/2" x 3"	2
@3	E	12 00 10 **	Grounding Unit	1
T	F	23 52 063	Bolt, Mach., 5/8" x 10" (50kVA & smaller) OR	2
		23 52 095	Bolt, Mach., 3/4" x 10" (75kVA)	2
T	G	23 66 027	Washer, Square, 5/8" (50kVA & smaller) OR	2
		23 66 031	Washer, Curved, 3/4" (75kVA)	2
T	H		Wire, Ins., 5 kV (Ft.) (See 13 00 03 01)	6
T	J		Secondary Leads (Ft.) (See 13 00 03 01)	9
T	K	PG*	See 07 00 25 00	3
@	L		Transformer	1

NOTES:

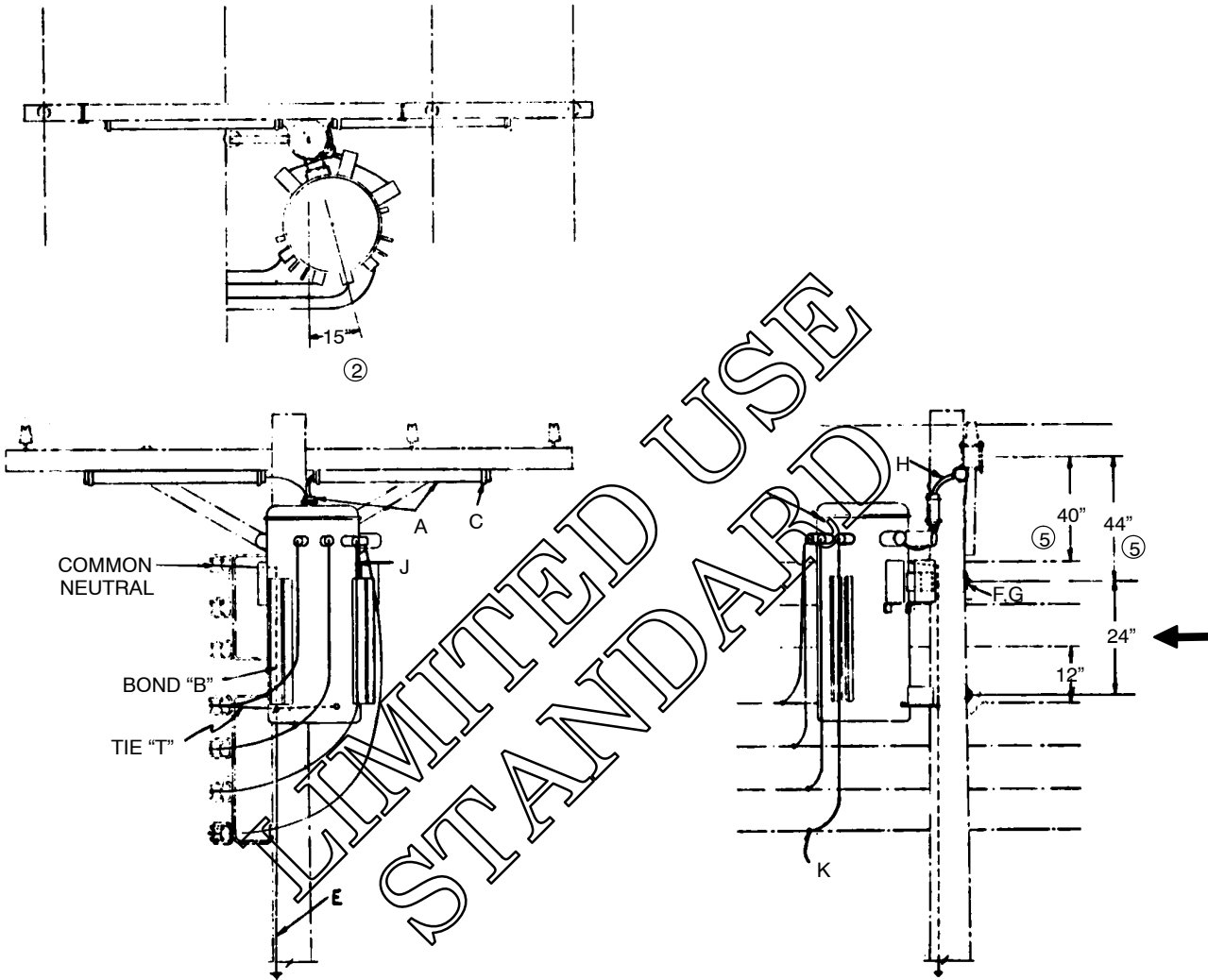
1. When secondary is deadended on transformer pole, locate secondary clevises 44" below primary arm for transformers 15kVA and below, and 52" below primary arm for 25 and 37-1/2kVA transformers.
2. For 50 & 75kVA transformers, measure distance between mounting slots and drill so that transformer rests evenly on both bolts.
3. Use DCS **12 00 10 01** for ground coil application on new pole installation. Use DCS **12 00 10 02** for ground rod application on existing pole installation.

LIMITED USE
 STANDARD

TRANSFORMERS
 4kV – Three Phase – 3 or 4 Wire
 → 30–45 kVA – 1000# Maximum

13 04 50 01

Sheet 1 of 2



		Std. / Stk. No.	Description	
	A	12 01 280	Conduit, Plastic, 2" (ft.)	10
	C	27 60 035	Iron, Hanger (Ft.)	6
7	E	12 00 10 01	Grounding Unit	1
T	F	23 52 063	Bolt, Mach., 5/8" x 10" (30 kVA) OR	2
		23 52 095	Bolt, Mach., 3/4" x 10" (45 kVA)	2
T	G	23 66 027	Washer, Curved, 5/8" (30 kVA) OR	2
		23 66 031	Washer, Curved, 3/4" (45 kVA)	2
T	H		Wire, Ins., 5 kV (Ft.) (See 13 00 03 01)	12
T	J		Secondary Leads (Ft.) (See 13 00 03 01)	15
T	K	PG*	See 07 00 25 00	4
@	L		Transformer	1

TRANSFORMERS
4kV – Three Phase – 3 or 4 Wire
→ 30–45 kVA – 1000# Maximum

13 04 50 01

Sheet 2 of 2

NOTES:

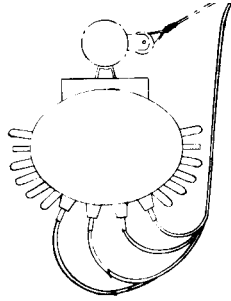
- 1. If common neutral is not present, refer to DCS **13 00 07 02** for installation of grounds.
2. 15° may be obtained by taking 1/24th of pole circumference.
- 3. A three phase service (no secondary) may be placed at any point on the pole that permits required clearances.
4. Switches are required for C transformers.
5. These dimensions are for new construction. On existing construction, spacing may be 26" from primary to through bolt and 22" from primary to secondary.
6. When transformer is installed directly under conductor deadends, provide set of switches on line arm.
- 7. Use DCS **12 00 10 02** for ground rod application on existing pole installation.

LIMITED USE
STANDARD

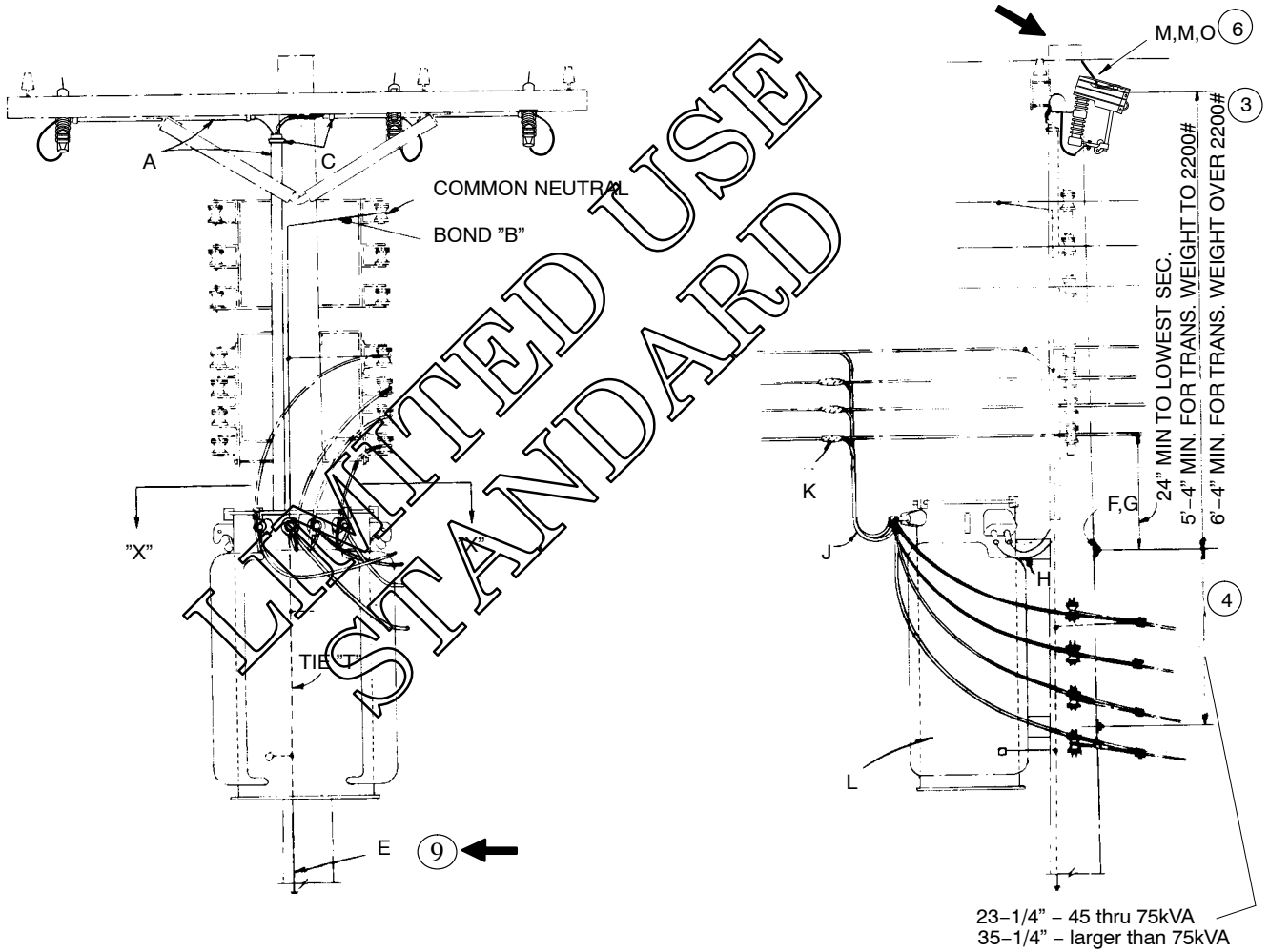
TRANSFORMERS
 4kV – Three Phase – 3 or 4 Wire
 45–500 kVA

13 04 54 01

Sheet 1 of 2



SECTION XX



TRANSFORMERS
4kV – Three Phase – 3 or 4 Wire
45–500 kVA

13 04 54 01

Sheet 2 of 2

		Std. / Stk. No.	Description	
	A	12 01 280	Conduit, Plastic, 2" (ft.)	15
	C	27 60 035	Strip, Hanger (Ft.)	10
@9	E	12 00 10 **	Grounding Unit	1
T	F	23 52 095	Bolt, Mach., 3/4" x 10" (45 thru 300kVA) OR	2
		23 52 268	Bolt, Mach., 1" x 14" (500kVA)	2
T	G	23 66 031	Washer, Curved, 3/4" (45 thru 300kVA) OR	2
		23 66 106	Washer, Curved, 1" (500kVA)	2
T	H		Wire, Ins., 5 kV (Ft.) (See 13 00 03 01)	30
T	J		Secondary Leads (Ft.) (See 13 00 03 01)	24
T	K	PG*	See 07 00 25 00	4
@	L		Transformer	1
@6	M	05 15 10 01	Cover, Cutout	3
@6	N	54 07 208	Switch, Fused, Open Type	3
@6	O	17 58 054	Bracket, Crossarm, Heavy Duty	3

NOTES:

1. A 3 phase service (no secondary) may be at any point on the pole that permits required clearances.
2. If common neutral is not present, refer to DCS 13 00 07 02 for installation of grounds.
3. For transformers above 3400#, this distance shall be determined by space necessary for hoisting equipment.
4. Measure distance between mounting slots and drill so that transformer rests evenly on both bolts.
5. A 15" crescent wrench is required for 1" bolts.
6. For C transformers, switches are required.
7. Units weighing in excess of 3400#'s must be mounted using 1" bolts.
8. When transformer is installed directly under conductor deadends, provide set of switches on line arm.
9. Use DCS **12 00 10 02** for ground rod application on existing pole installation. Use DCS **12 00 10 01** for ground coil application on new pole installation.