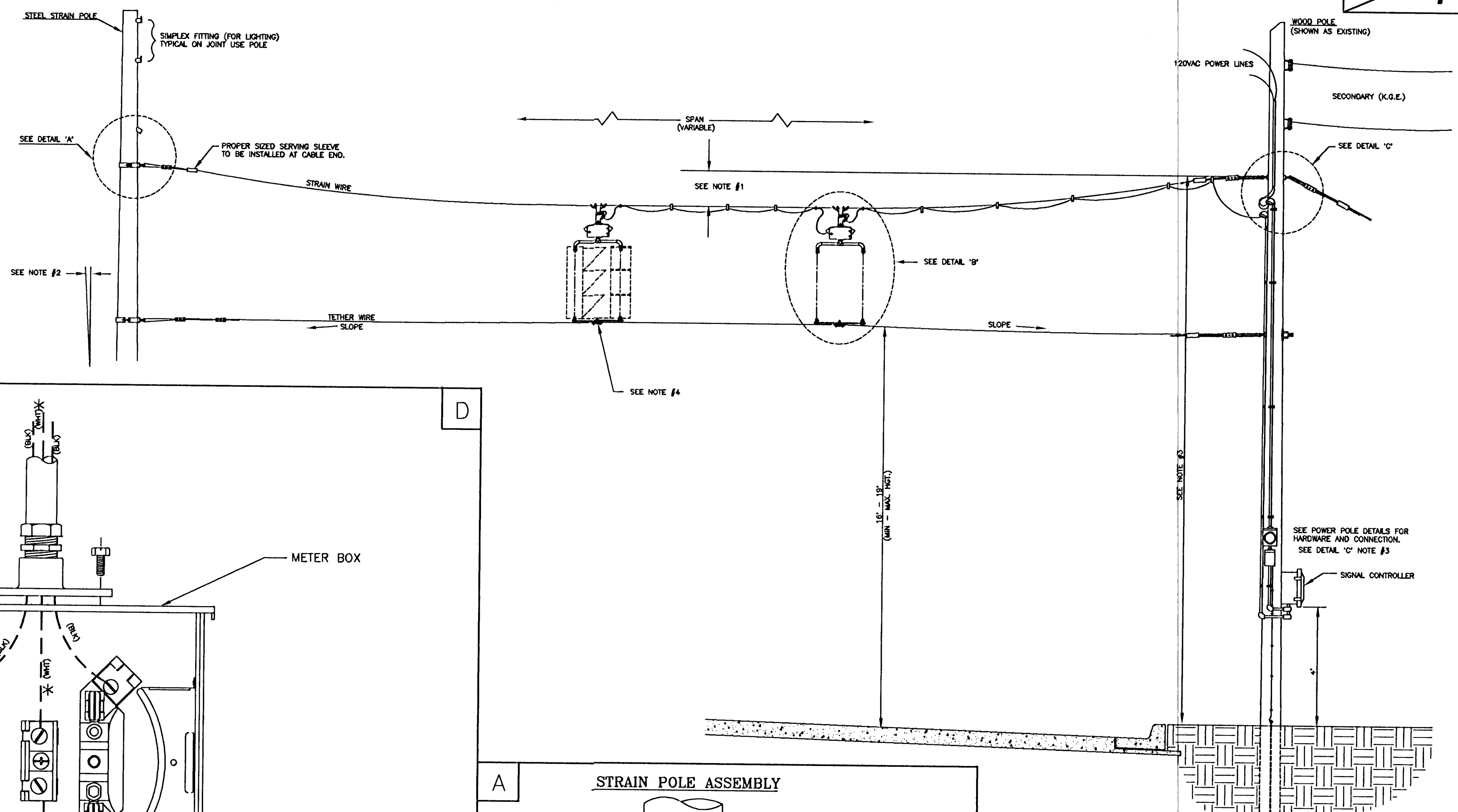
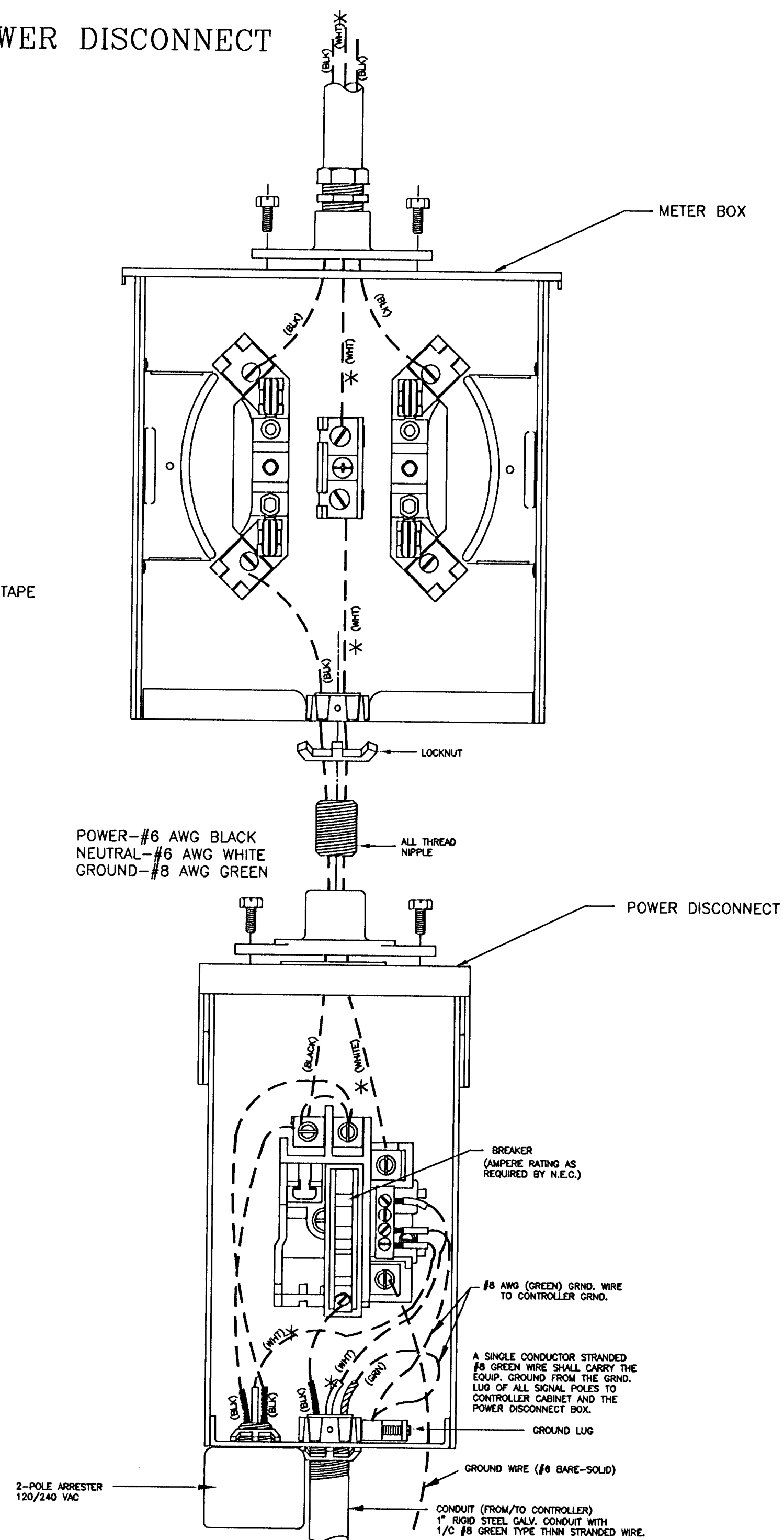


1. MAX. SAG = 5% OF SPAN.
2. STANDARD BACKRAKE = 1.5'
3. HEIGHT OF STRAIN WIRE HOOK—UP TO BE DETERMINED BY FIELD ENGINEER.
TRAFFIC SIGNAL CABLE TO BE SECURED TO STRAIN (SPAN) WIRE WEATHERABLE NYLON CABLE HANGERS (12" CTR.) DETAIL 'B'
4. TETHER CLAMP TO BE DESIGNED TO RELEASE UNDER 'HIGH WIND LOAD' TO PERMIT SIGNAL 'FREE SWING'.



NOTE:

* TO BE MARKED WITH WHITE TAPE



NOTE: SEE STEEL POLE
ASST' DETAIL SHEET FOR
STRAIN POLE BASE DETAILS

STRAIN AND TETHER WIRE:
ONLY OUT STRAND (T-WIRE)
5/16" SM (5350 #T8T) WEIGHT
PER 1000 @ 325

CABLE EXIT
MULTI-CONDUCTOR SIGNAL CABLE

THIMBLE EYE NUT (CALV.)
ASSEMBLY

STRAIN CLAMP

STRAIN WIRE (5/16" DIA.)

3-BOLT OUT CLAMP

Diagram illustrating the antenna assembly components and wiring connections:

- BLACK WEATHERABLE NYLON THE WRAP CABLE TIES (CLIP EXCESS STRAP)
- 5/16" STRAIN WIRE
- CABLE SADDLE CLAMP
- MULTI-CONDUCTOR SIGNAL CABLE
- WIRE ENTRANCE/BALANCE ADJUST
- CIRCUIT QUICK-DISCONNECT HANGER
- TOP BRACKET (FOR SIGNAL ASSY)
- BOTTOM BRACKET
- 5/16" TETHER WIRE
- 5-BOLT GUY CLAMP (NOTE MTG. TO BOTTOM BRACKET)
- SIGNAL FASTENER ASSY.
- DRILL: 1/2" HOLE EXTRA LENGTH BOLT

The diagram illustrates a steel strain pole system. On the left, a vertical pole is shown with several horizontal lines (strain wires) extending from it. These lines are connected to various components: a 'CALV. THIMBLE EYE BOLT' at the top, followed by a 'FRONT PLATE', 'POWER LINES (120 VAC)', a '2-HOLE (METAL) CLAMP', a 'WEATHERHEAD/EXT (FOR POWER LINES)', another '2-HOLE (METAL) CLAMP', a 'WEATHERHEAD/EXT (FOR MULTI-CONDUCTOR SIGNAL CABLE)', and a final '2-HOLE (METAL) CLAMP'. On the right, a 'BACK PLATE' is shown with a 'JAM NUT' and a 'CALV. THIMBLE EYE NUT' (labeled 'OUT WIRE (5/16")'). A '3-BOLT OUT CLAMP' is also shown. A 'SEE NOTE 1' label points to the back plate area.

1. CALV. THIMBLE EYE ANCHOR BOLT AND EXPANDING ANCHOR (NOT SHOWN) TO STABILIZE WOOD POLE (WHERE APPLICABLE)

2. ANY COMBINATION OF ROUND/THIMBLE EYE BOLTS AND NUTS MAY BE UTILIZED AS APPLICATION MAY VARY. FIELD ENGINEER TO DETERMINE TYPE OF HARDWARE USED.

3. HARDWARE SHOWN IS TRANSFERABLE TO STEEL POLE IN WHOLE OR PART WHERE STEEL STRAIN POLE IS USED. (POWER SIGNAL CABLE, MEAS, ETC.) FIELD ENGINEER TO MAKE DETERMINATION. STEEL STRAIN POLE APPLICATIONS MAY VARY AS TO MOUNTING OR P.O.S. USE OF CLAMPS, DAMPED BRACKET, ETC. ARE STD. - FIELD ENGINEER TO DETERMINE BEST TYPE APPLICATIONS.

PROJECT DESCRIPTION		
POWER POLE AND SPAN POLE ASSEMBLY DETAILS		
PROJECT NUMBER 472-82858		
DRAWN BY: T.M.	APPROVED BY	REVISED BY:
DATE: FEB. 98		DATE:
CITY OF WICHITA DEPARTMENT OF PUBLIC WORKS		
DIVISION OF TRAFFIC ENGINEERING WM. G. MCKINLEY P.E.		SCALE NO SCALE
TRAFFIC ENGINEER		7