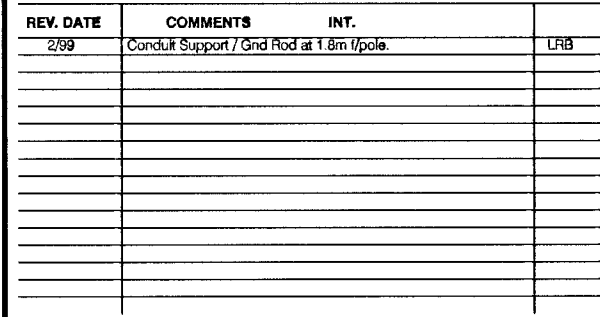


[illegible]

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'.

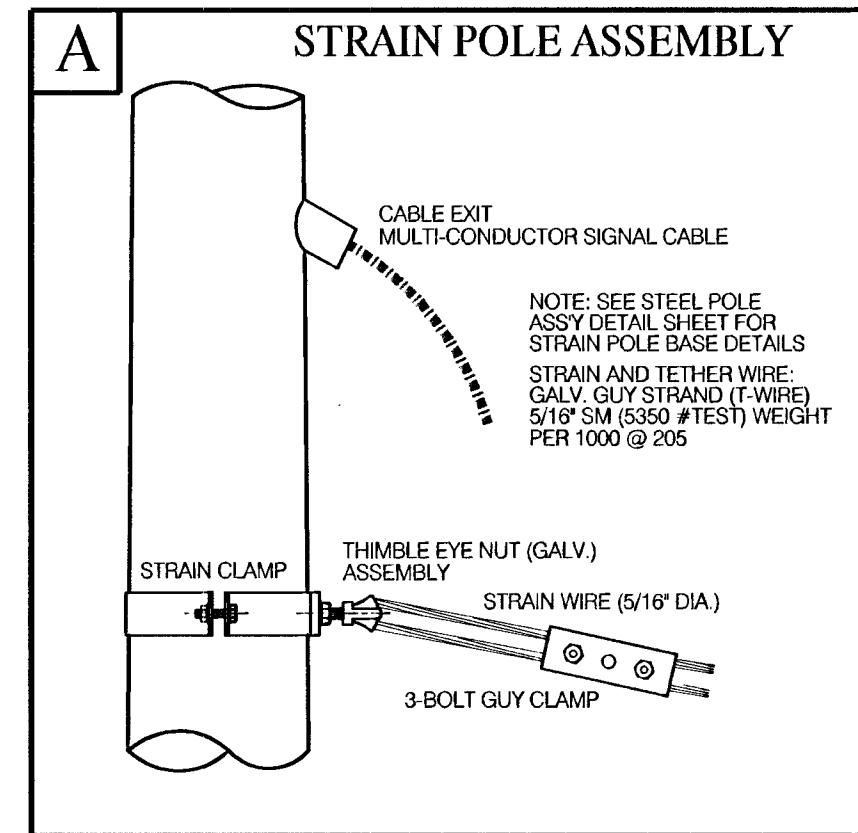


Diagram illustrating the Signal Mast Assembly components and connections:

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

Diagram illustrating the attachment of a guy wire to a steel pole using a galvanized thimble eye bolt and a jam nut. The diagram shows the following components and connections:

- BACK PLATE**: Attached to the top of the pole.
- JAM NUT**: Secures the guy wire to the back plate.
- GALV. THIMBLE EYE BOLT**: Attached to the pole, used for the guy wire.
- FRONT PLATE**: Attached to the pole.
- POWER LINES (120 VAC)**: Shown running along the pole.
- WEATHER-HEAD/EMT (FOR POWER LINES)**: Attached to the pole.
- WEATHER-HEAD/EMT (FOR MULTI-CONDUCTOR SIGNAL CABLE)**: Attached to the pole.
- 2-HOLE (METAL) CLAMP**: Used to secure the guy wire to the pole.
- 3-BOLT GUY CLAMP**: Used to secure the guy wire to the pole.
- SEE NOTE 1**: Reference to additional information.

NOTE:

1. GALV. 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 OF PART WHERE STEEL STRAIN POLE IS USED. (POWER, SIGNAL CABLE; METER, ETC.) FIELD ENGINEER TO MAKE DETERMINATION. STEEL STRAIN POLE APPLICATIONS MAY VARY AS TO MOUNTING ON POLE: USE OF CLAMPS, BANDIED BRACKETES, ETC. ARE STD. - FIELD ENGINEER TO DETERMINE BEST TYPE APPLICATIONS.

NOTE:

1. GALV. THIMBLE EYE ANCHOR BOLT AND EXPANDING ANCHOR (NOT SHOWN) TO STABILIZE WOOD POLE (WHERE APPLICABLE)
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CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS

DIVISION OF TRAFFIC ENGINEERING
PAUL GUNZELMAN, P.E. **TRAFFIC ENGINEER**

SHEET
23
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43

POWER POLE & SPAN POLE STANDARD DETAILS

BAUGHMAN COMPANY, P.A.
ENGINEERING, SURVEYING, & PLANNING
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