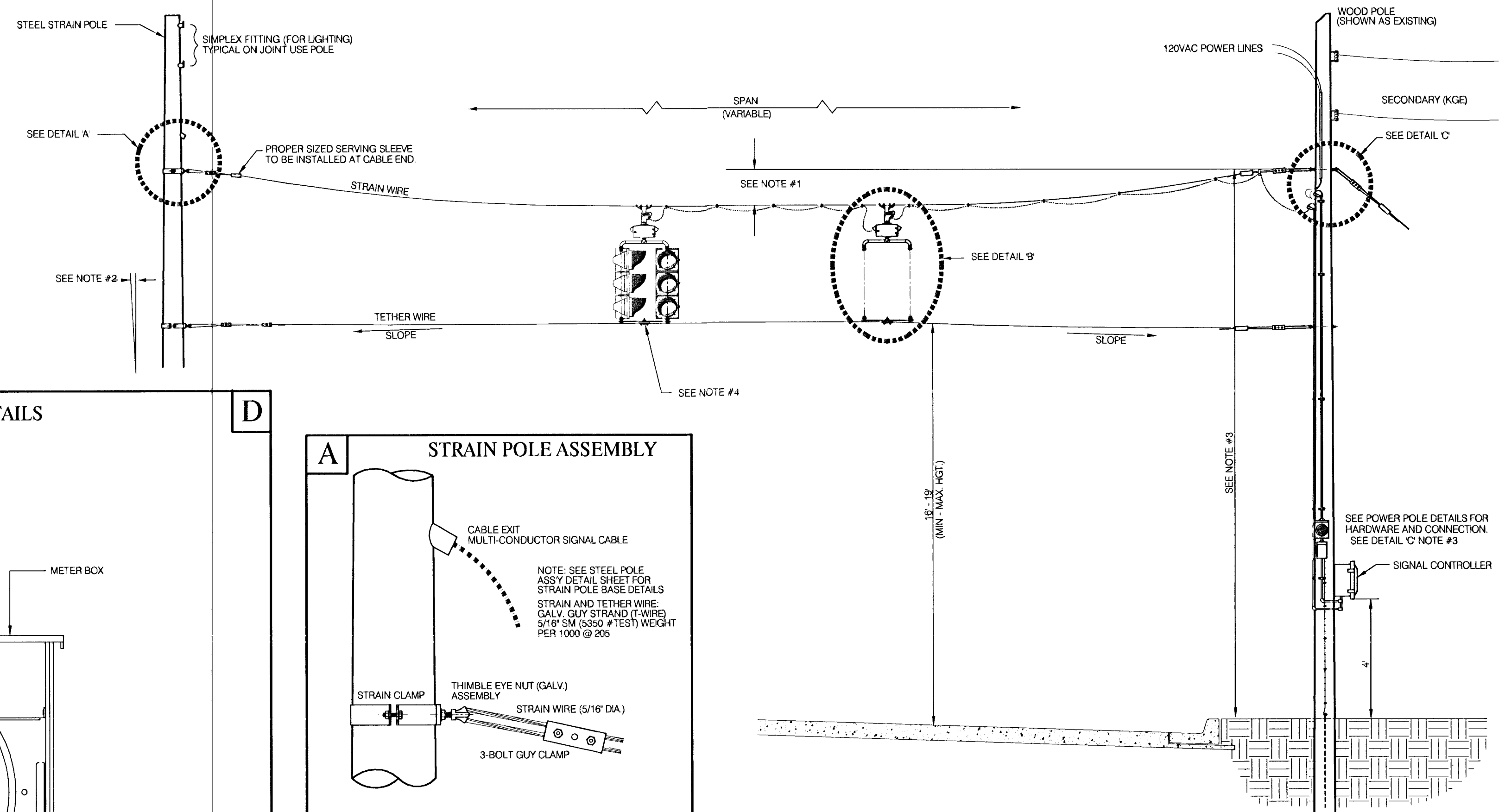


[illegible]

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 (1/2" CTR) DETAIL 'B'
4. TETHER CLAMP TO BE DESIGNED TO RELEASE UNDER HIGH WIND LOAD TO PERMIT SIGNAL FREE SWING.

[illegible]

POWER-#6 AWG BLACK
NEUTRAL-#6 AWG WHITE
GROUND-#8 AWG GREEN

The diagram shows a cross-section of a steel pole with a cable exit assembly. A cable, labeled 'CABLE EXIT MULTI-CONDUCTOR SIGNAL CABLE', is shown exiting the pole. A dashed line indicates the cable's path. A note specifies: 'NOTE: SEE STEEL POLE ASSTY DETAIL SHEET FOR CABLE POLE BASE DETAILS STRAIN AND TETHER WIRE GALV. GUY STRAND (T WIRE) 5/16" SW (SS50 V TEST) WEIGHT PER 1000 @ 205'. The assembly includes a 'THIMBLE EYE NUT (GALV) ASSEMBLY' which is secured with a 'STRAIN CLAMP' on the pole and a '3-BOLT GUY CLAMP' on the cable. The cable is labeled 'STRAIN WIRE (5/16" DIA.)'.

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

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, BANDO BRACKETS, ETC. ARE STD. - FIELD ENGINEER TO DETERMINE BEST TYPE APPLICATIONS.

CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS
 DIVISION OF TRAFFIC ENGINEERING
RANDALL W. HOSKINS, P.E. **TRAFFIC ENGINEER**

PROJECT NUMBER 472-76-245-83324			SHEET NAME PPSP-DTL		ENGINEERING DIRECTORY F:\Eng\Hydraulic\Details	
DESIGN SONNY	DRAWN SONNY	APPROVED JFB	DATE Sept. 2002	SCALE None	BAUGHMAN NO 99-09-E450	

CITY OF WICHITA, KANSAS
**REVISED POWER POLE & SPAN POLE
 STANDARD DETAILS**
 TRAFFIC ENGINEERING DIVISION – DEPARTMENT OF PUBLIC WORKS

BAUGHMAN COMPANY, P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 * 315 ELLIS * WICHITA, KANSAS 67211