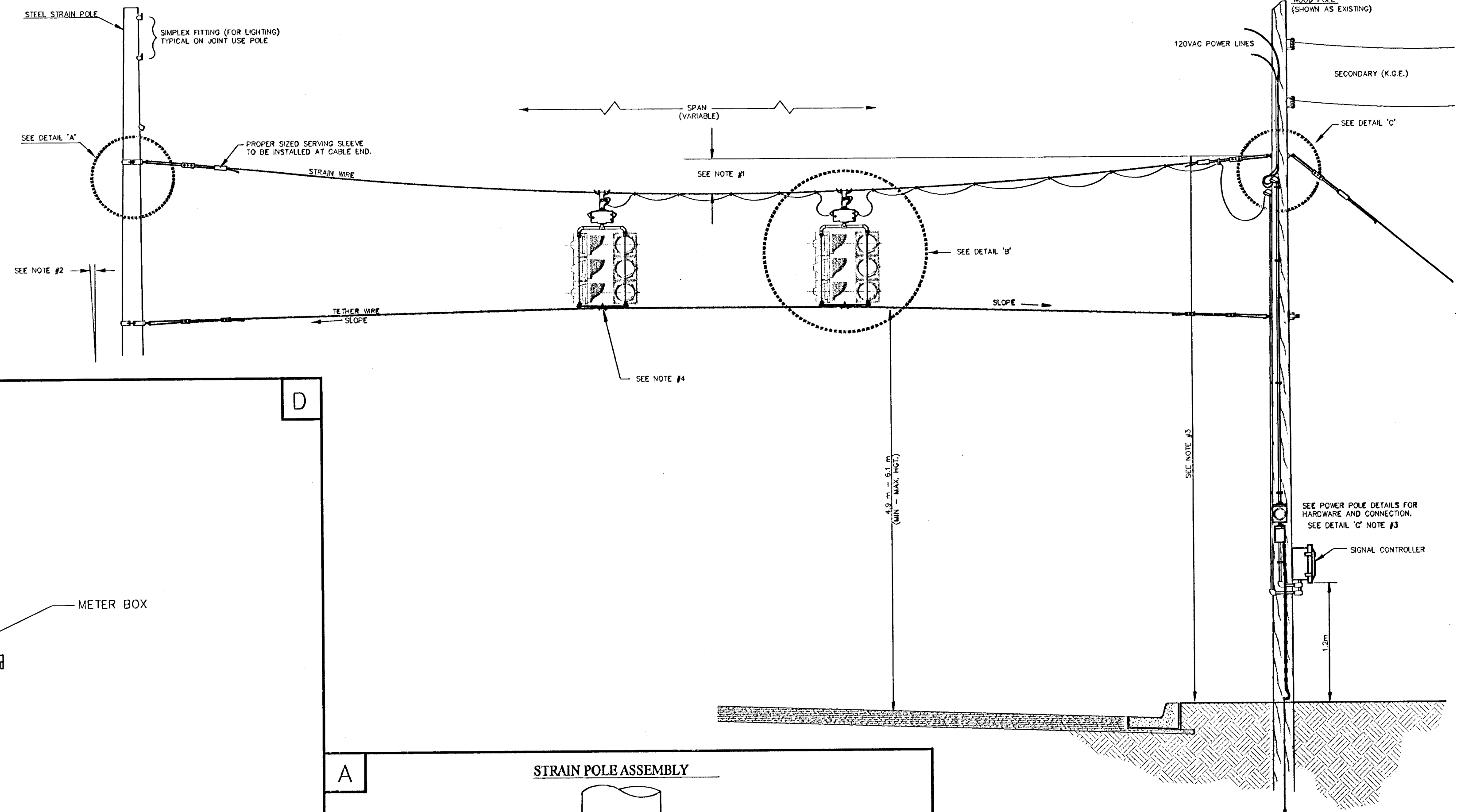


Technical drawing of a vertical utility pole showing the installation of a power line, meter, and conduit. The drawing includes labels for various components and dimensions:

- K.G.&E. POWER LINE(S)
- 200 mm MIN.
- 600 mm MIN. (WHERE APPLICABLE)
- BELL, CABLE VISION, ETC. (COMMUNICATIONS CABLE)
- POWER CONNECTION TO BE MADE BY K.G.&E. (CONTRACTOR TO INSURE SUFFICIENT WIRE IS LEFT AT WEATHER HEAD TO RUN UP TO AND MAKE CONNECTION AT SECONDARY.)
- MOLDING (INSTALLED BY K.G.&E.)
- 120 VAC SERVICE ENTRANCE w/COVER (WEATHERHEAD)
- 19 mm EMT
- METER BOX (TO BE OBTAINED FROM K.G.&E. INSTALLED BY CONTRACTOR.)
- METER (INSTALLED BY K.G.&E.)
- WEATHERPROOF POWER DISCONNECT 19 mm HUB-70 AMP MAIN LUG W/BREAKER ACCORDING TO N.E.C.
- CONDUIT (25 mm RIGID STEEL GALV. WITH 1/C TYPE #8 GREEN THINN STRANDED WIRE)
- CONDUIT CLAMPS (MAX. SPACING=1.5 m TYP 2 HOLE CLAMP(S))
- GROUND CLAMP/WIRE w/STAPLE FASTENERS (WIRE: #8 BARE-SOLID)
- GROUND ROD 16 mm X 2.4 m
- 600 mm to 750 mm MIN. - MAX. DEPTH
- TO CONTROLLER

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 (300 mm CTR.) DETAIL 'B'
4. TETHER CLAMP TO BE DESIGNED TO RELEASE UNDER 'HIGH WIND LOAD' TO PERMIT SIGNAL 'FREE SWING'.

[illegible]

NOTE: SEE STEEL POLE  
ASSY DETAIL SHEET FOR  
STRAIN POLE BASE DETAILS

STRAIN AND TETHER WIRE:  
GALV. GUY STRAND (T-WIRE)  
8 mm (3/32) (FTEST) WEIGHT  
PER 1000 @ 205

CABLE EXT  
MULTI-CONDUCTOR SIGNAL CABLE

THUMB EYE NUT (GALV)  
ASSEMBLY

STRAIN CLAMP

STRAIN WIRE (8 mm)

3-BOLT GUY CLAMP

BLACK WEATHERABLE NYLON WRAP CABLE TIE (CLIP EXCESS STRAP)

9 mm STRAIN WIRE

CABLE SADDLE CLAMP

MULTI-CONDUCTOR SIGNAL CABLE WIRE ENTRANCE/BALANCE ADJUST

CIRCUIT QUICK-DISCONNECT HANDLE

TOP BRACKET (FOR SIGNAL ASS'Y) BOTTOM BRACKET

5 mm TETHEN WIRE

5-BOLT GUY CLAMP (NOTE M10, TO BOTTOM BRACKET)

SIGNAL FASTENER ASS'Y

DRILL 12 mm HOLE EXTRA LENGTH BOLT

The diagram illustrates a steel strain pole application. A central vertical pole is shown with various hardware components attached. At the top, a back plate is connected to a jaw nut, which is secured by a galv. thimble eye nut. A guy wire (8 mm) is attached to the back plate and secured with a 3-bolt guy clamp. The pole itself has a front plate at the top, which is connected to a strain wire. Below the front plate, there are power lines (120 VAC) and a weatherhead (1/4" for power lines). A 2-hole (metal) clamp is used to secure the weatherhead. Below the weatherhead, there is a 2-hole (metal) clamp for a multi-conductor signal cable. The pole is also secured with a galv. thimble eye bolt and an expanding anchor. A note indicates that the hardware shown is transferable to steel poles in whole or part where steel strain pole is used. The diagram also shows a steel strain pole application with a guy wire and a 3-bolt guy clamp. A note indicates that the hardware shown is transferable to steel poles in whole or part where steel strain pole is used.

BACK PLATE  
JAW NUT  
GALV. THIMBLE EYE NUT  
GUY WIRE (8 mm)  
3-BOLT GUY CLAMP

SEE NOTE 1

GALV. THIMBLE EYE BOLT  
FRONT PLATE  
STRAIN WIRE  
POWER LINES (120 VAC)  
WEATHERHEAD (1/4" FOR POWER LINES)  
2-HOLE (METAL) CLAMP  
WEATHERHEAD/LAT. FOR MULTI-CONDUCTOR SIGNAL CABLE  
2-HOLE (METAL) CLAMP

NOTE:

1. GALV. THIMBLE EYE ANCHOR BOLT AND EXPANDING ANCHOR (NOT SHOWN) TO STABILIZE WOOD POLE (WHICHE APPLICABLES)
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 CABLES, WIRE, ETC.) FIELD ENGINEER TO MAKE DETERMINATION. STEEL STRAIN POLE APPLICATIONS MAY VARY AS TO MOUNTING ON POLE USE OF CLAMPS, DANGER BRACKETS, ETC. ARE STD. - FIELD ENGINEER TO DETERMINE BEST TYPE APPLICATIONS.

[illegible]