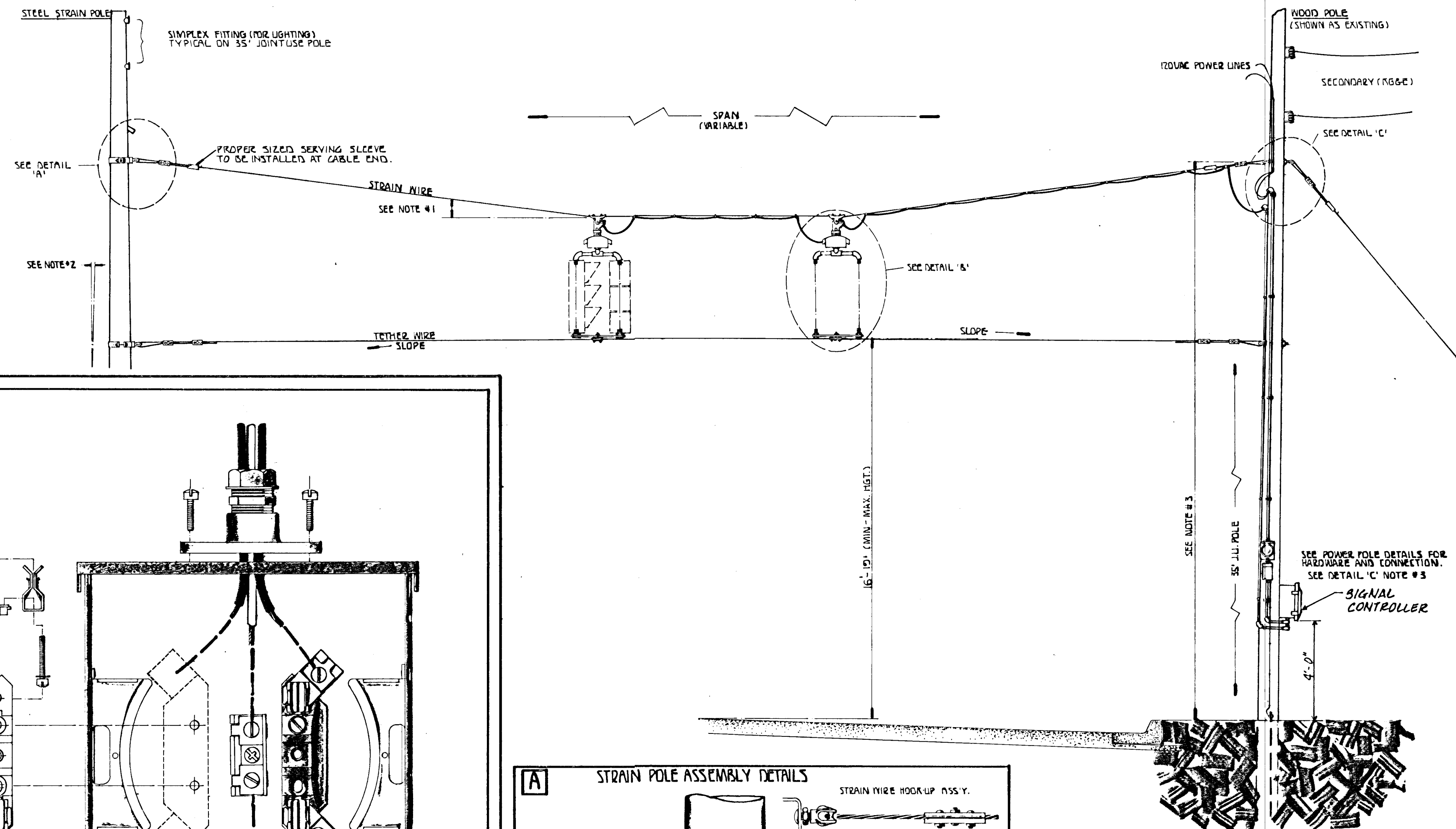


1. DROP MAX. AT 5% OF SPAN. (% SAG)
2. STD. RAKE AT 3%
3. HEIGHT OF STRAIN WIRE HOOK-UP TO BE DETERMINED BY FIELD ENGINEER. TRAFFIC SIGNAL CABLE TO BE SECURED TO STRAIN (SPAN) WIRE w/ NON-CORR. NYLON CABLE HANGERS (17" CTRS.) DETAIL 'B'
4. TETHER CLAMP TO BE DESIGNED TO RELEASE UNDER 'HIGH WIND LOAD' TO PERMIT SIGNAL 'FREE SWING'.
5. CONTRACTOR TO GIVE 24 HR. NOTICE TO ENGINEER PRIOR TO POLARIZING ANY SIGNAL BASE OR CONTROLLER PAD.



METER BOX ASSEMBLY DETAILS

The drawing illustrates the assembly of a meter box, showing the main unit, internal components, and wiring connections. Key details include:

- Weatherproof Power Disconnect Assembly Details:** This section shows the internal wiring of the power disconnect, including the main switch, fuses, and terminal block. It specifies the use of 14 AWG solid steel braid conduit with 17C type thermoplastic wire.
- Wiring Connections:** The diagram shows the connection of the power supply (120/240 VAC) to the meter box. It includes a 2-pole arrester and a ground wire (10 AWG bare solid) connected to the ground (from/to controller).
- Grounding and Safety:** The drawing emphasizes proper grounding, including the use of a ground lug and a lock nut to secure the ground connection. It also shows the connection of the ground wire to the controller and the power disconnect.
- Internal Components:** The main unit of the meter box is shown with its internal components, including the meter, fuses, and terminal block. The drawing also shows the connection of the meter to the power supply and the ground.

**POWER - 10 AWG BLACK
NEUTRAL - 10 AWG WHITE
GROUND - 8 AWG GREEN**

NOTE:
FROM WIRE TO CONTROLLER USE
14 AWG SOLID STEEL BRAID CONDUIT WITH 17C TYPE THERMOPLASTIC
STRANDED WIRE.

**REMARKS: OUTSIDE BOXING
AS REQUIRED BY A.C.C.**

GROUND LUG

LOCK NUT

**2-POLE ARRESTER
120/240 VAC**

**GROUND WIRE (10 AWG BARE-SOLID)
(CONDUIT FROM/TO CONTROLLER)**

**8 AWG (GREEN) GROUND
WIRE TO CONTROLLER
GROUND**

**A SINGLE CONDUCTOR STRAND
IN GREEN WIRE SHALL CARRY THE
CIRCUIT GROUND FROM THE GROUND
LUG OF ALL SIGNAL POLES TO THE
CONTROLLER CABINET AND THE
POWER DISCONNECT ASSEMBLY.**

8

SIGNAL BRACKET ASSEMBLY DETAILS

BLACK WEATHERABLE NYLON TIE WRAP CABLE TIES (CLIP EXCESS STOPS)

SIG. STRAIN RIDE CABLE "SADDLE" CLIP

MULTI-CONDUCTOR SIGNAL CABLE

RIDE INTERFERENCE / BALANCE ADJUST CABLE QUICK-DISCONNECT HANGER

TOP SIGNAL BRACKET FOR SIGNAL ASS'Y

SIG. TETHER RING

3/8" HLT. SWIV CLAMP (NOTE NUTS TO BOTTOM BRACKET)

SIGNAL FASTENER ASS'Y.

DRILL: 1/2" HOLE EXTRA LENGTH BOLT

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• STANDARD APPLICATIONS •

468-82138 & 472-82668

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CITY OF WICHITA
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TRAFFIC ENGINEERING	SCALE
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