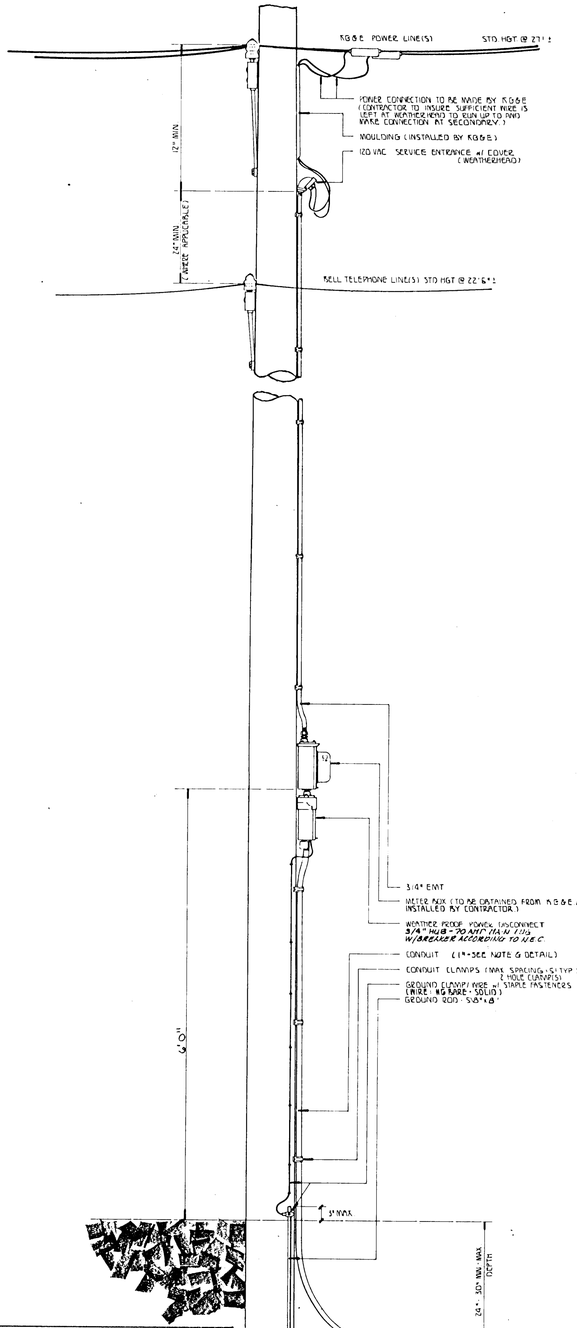
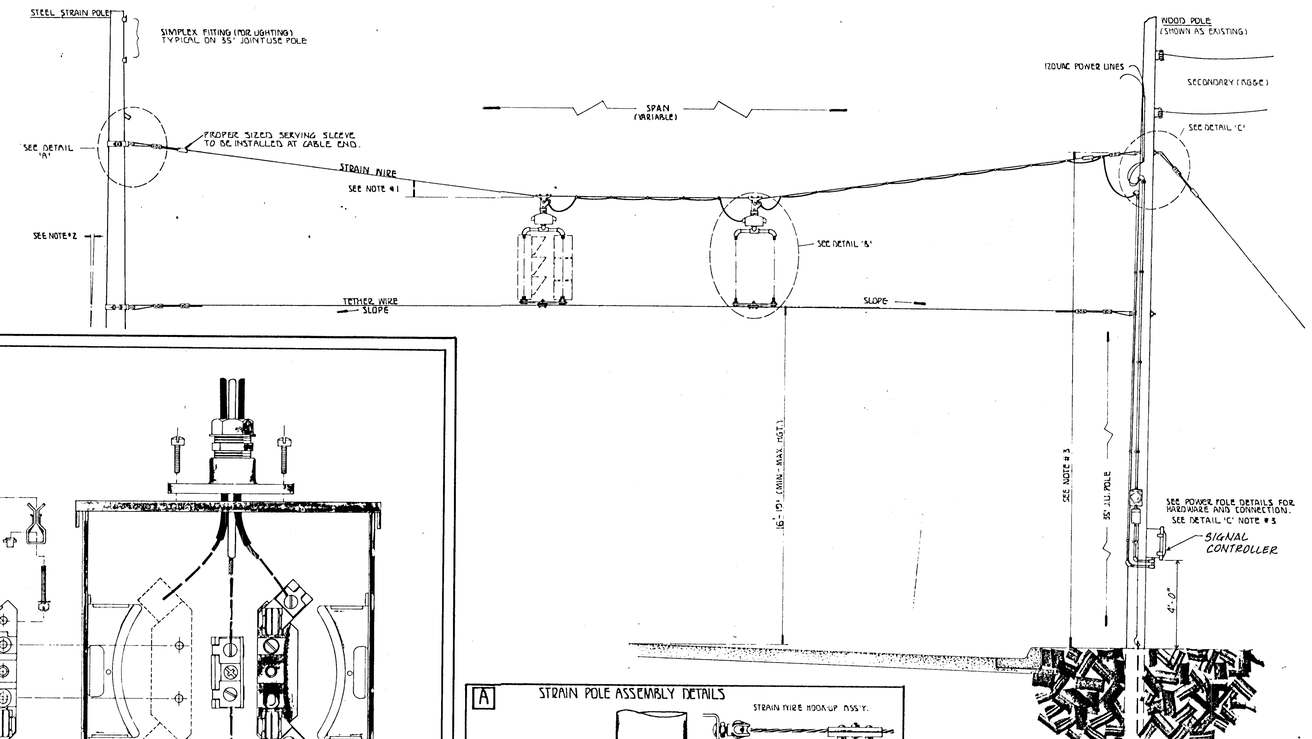
POWER POLE DETAILS



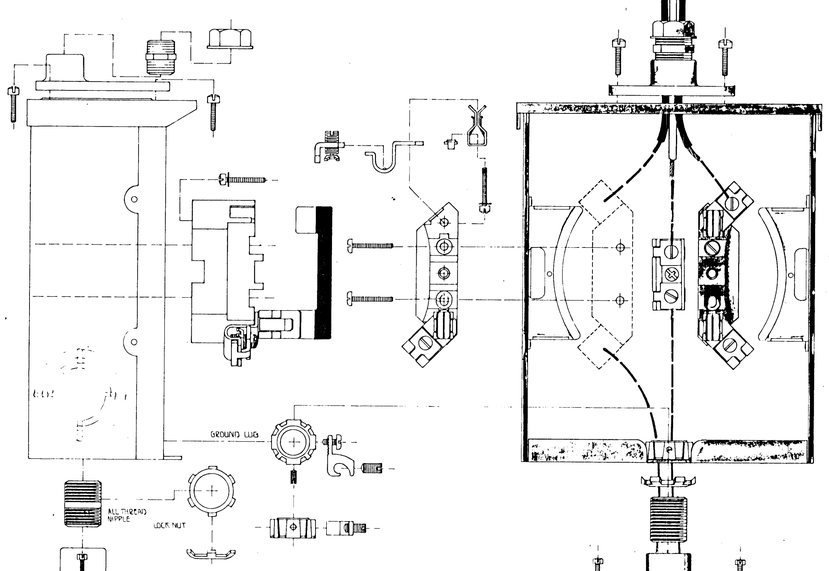
REV. DATE	COMMENTS	INT.
AUG. 97	DETAILS A & C - REDO CLEARS, REMOVE END GUY (LANDS) ADD SLACK, CABLE WIRE COLORS	JD
OCT. 96	CHANGE WIRING NOTES ON POWER DISCONNECT	JD
JAN. 96	ADD N.E.C. BREAKER NOTE	JD
AUG. 95	ADD BREAKER ADD NOTE (REVISED)	JD
OCT. 94	CHANGE POWER DISCONNECT HUB (TO MAIN)	JD
OCT. 94	ADD SIZE OF POLE CONTROLLER BOX	JD
OCT. 90	Change Base Dia. Height	JDM

SPANWIRE ASSEMBLY DETAILS

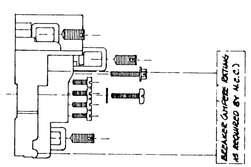
1. DROP MAX. AT 5% OF SPAN. (% SAG)
2. STD. RAKE AT 3%
3. HEIGHT OF STRAIN WIRE HOOK-UP TO BE DETERMINED BY FIELD ENGINEER. TRAFFIC SIGNAL CABLE TO BE SECURED TO STRAIN (SPAN) WIRE w/ NON-CORR. NYLON CABLE HANGERS (12" CTRS.) DETAIL 'B'
4. TETHER CLAMP TO BE DESIGNED TO RELEASE UNDER 'HIGH WIND LOAD' TO PERMIT SIGNAL 'FREE-SWING'.
5. CONTRACTOR TO GIVE 24 HR. NOTICE TO ENGINEER PRIOR TO POURING ANY SIGNAL BASE OR CONTROLLER PAD.



METER BOX ASSEMBLY DETAILS

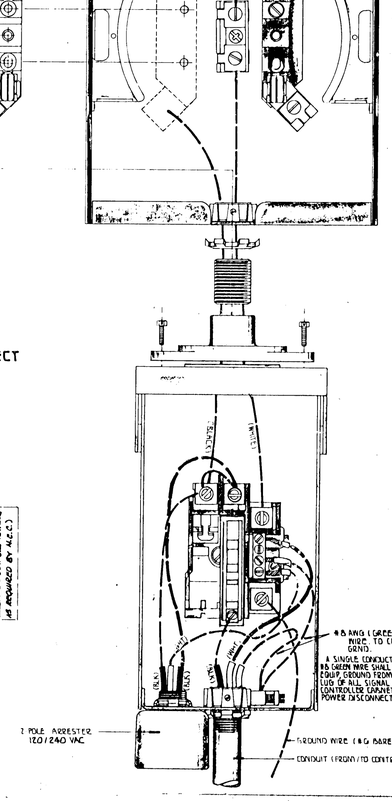


WEATHERPROOF POWER DISCONNECT ASSEMBLY DETAILS

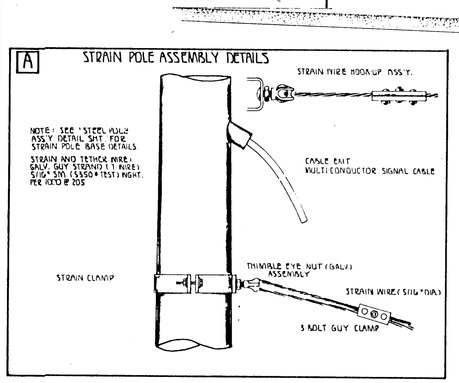


NOTE:
FROM METER TO CONTROLLER USE:
1" RIGID STEEL GALV CONDUIT WITH T/C TYPE THHN STRANDED WIRE.

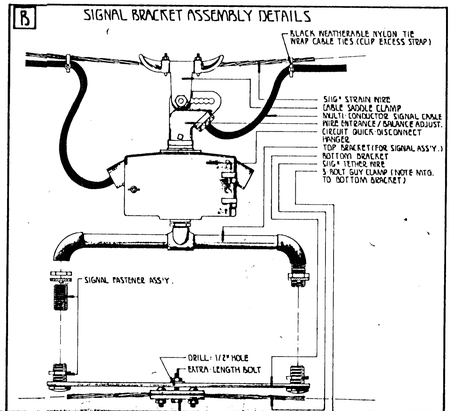
POWER - #6 AWG BLACK
NEUTRAL - #6 AWG WHITE
GROUND - #8 AWG GREEN



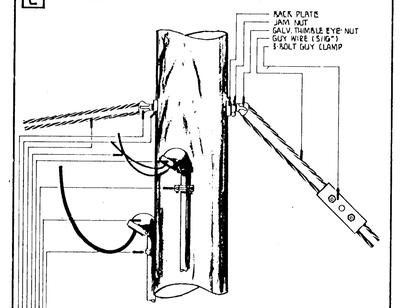
A STRAIN POLE ASSEMBLY DETAILS



B SIGNAL BRACKET ASSEMBLY DETAILS



C WOOD POLE ASSEMBLY DETAILS



NOTE: 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 TRANSFERRABLE TO STEEL POLE IN WHOLE OR 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 MOUNTINGS ON POLE: USE OF CLAMPS / BRACKETS / BRACELETS, ETC. ARE STD. - FIELD ENGINEER TO DETERMINE 'BEST' TYPE APPLICATIONS.

PROJECT DESCRIPTION

POWER POLE AND SPAN POLE ASSEMBLY DETAILS

- STANDARD APPLICATIONS -

PROJECT NUMBER

BOOK NO	APPROVED BY	DATE SEPT. 03
DRAWN BY SCAL		REVISED 4-85 (WIRE BOX)

CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS

SCALE DO NOT SCALE - INFO. ONLY

TRAFFIC ENGINEERING
WM. G. McKINLEY TRAFFIC ENGINEER