DIRECTIONAL ANTENNA

CONTROLLER RECEPTACLE

IN CABINET

(CONTRACTOR TO

PROVIDE POWER

STRIP IF NECESSARY)

STANDARD N-TYPE MALE CONNECTOR

-STANDARD N-TYPE MALE CONNECTOR

STANDARD N-TYPE FEMALE CONNECTOR

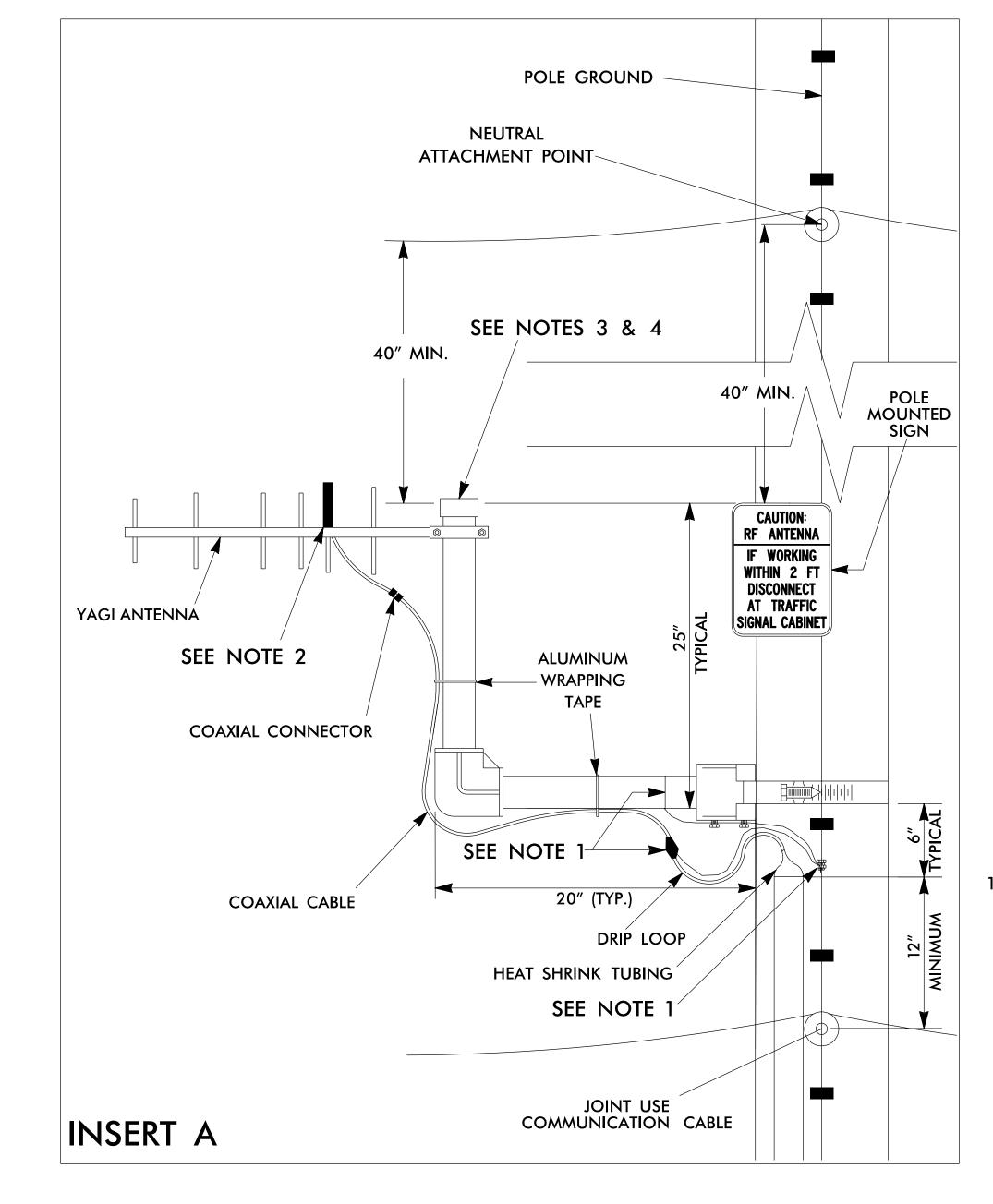
-MOUNT AND GROUND TO CABINET RAIL

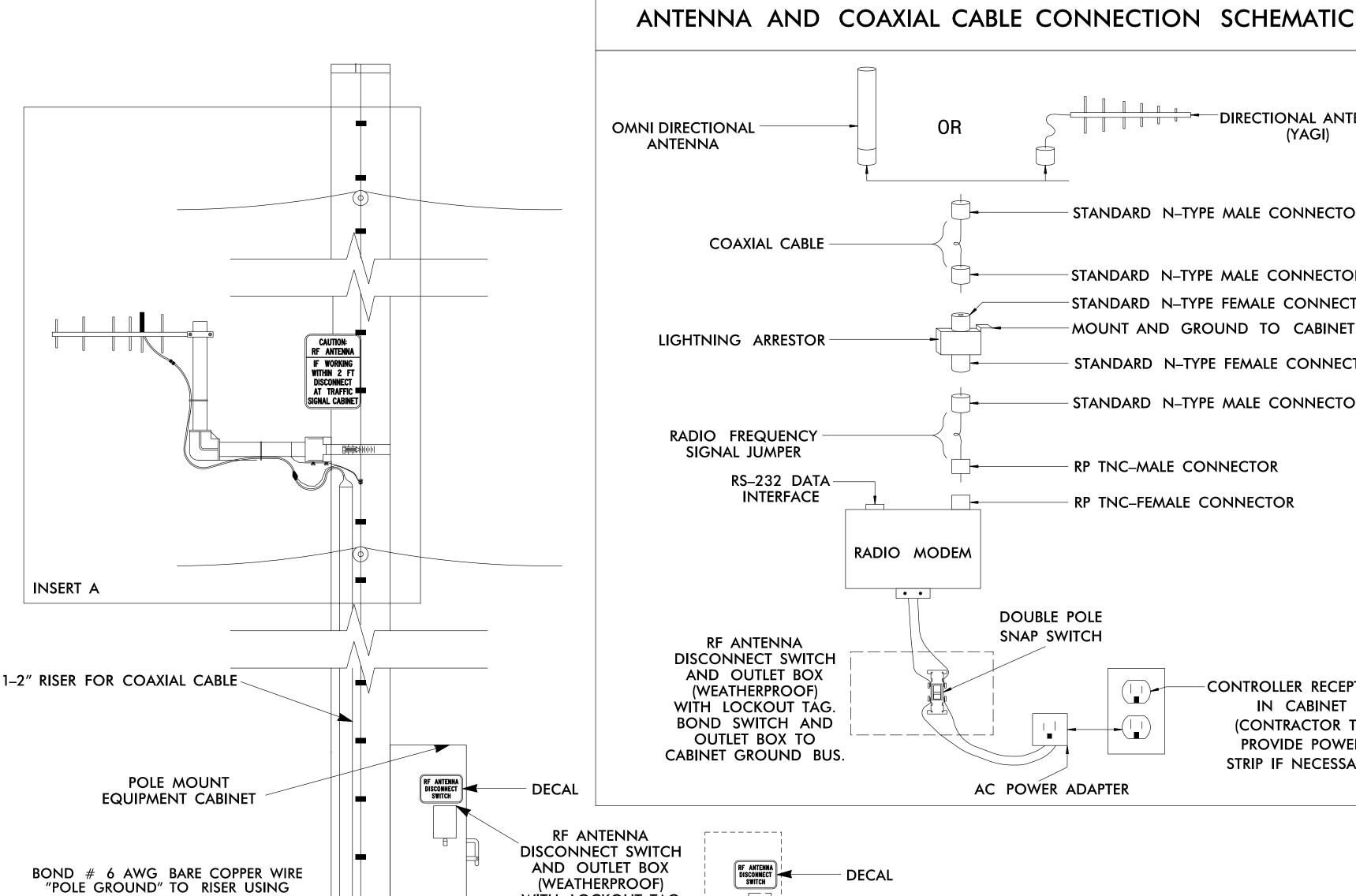
STANDARD N-TYPE FEMALE CONNECTOR

STANDARD N-TYPE MALE CONNECTOR

RP TNC-MALE CONNECTOR

RP TNC-FEMALE CONNECTOR





WITH LOCKOUT TAG~

A LISTED PIPE CLAMP_

WOOD POLE — BOND # 6 AWG SOLID BARE COPPER WIRE TO ANTENNA SUPPORT USING LISTED PIPE CLAMP. BOND OTHER END OF # 6 AWG SOLID BARE COPPER WIRE TO THE POLE GROUND USING A SPLIT BOLT CONNECTOR. BOND SHIELD OF COAXIAL CABLE WITH AN APPROVED GROUNDING SYSTEM (USING #6 AWG STRANDED COPPER WIRE) BONDED TO THE POLE GROUND. WEATHERPROOF THE CONNECTION ONCE THE GROUNDING SYSTEM IS INSTALLED. ENSURE "POLE GROUND" IS IN PLACE.

METAL POLE — BOND # 6 AWG SOLID BARE COPPER WIRE TO ANTENNA SUPPORT USING LISTED PIPE CLAMP. BOND OTHER END OF # 6 AWG SOLID BARE COPPER WIRE TO THE POLE OR EXISTING SYSTEM GROUND USING A METHOD APPROVED BY THE ENGINEER. BOND SHIELD OF COAXIAL CABLE WITH AN APPROVED GROUNDING SYSTEM (USING #6 AWG STRANDED COPPER WIRE) BONDED TO THE POLE BY A METHOD APPROVED BY THE ENGINEER. WEATHERPROOF THE CONNECTION ONCE THE GROUNDING SYSTEM IS INSTALLED. ENSURE "SYSTEM GROUND" IS IN PLACE.

- 2. TO CONSERVE VERTICAL SPACING ON THE POLE (JOINT-USE OR SIGNAL POLE) WITH REGARDS TO THE SURROUNDING UTILITIES, INSTALL THE ANTENNA MOUNTING HARDWARE USING ONE OF THE TWO METHODS LISTED BELOW: (ENSURE THAT THE MOUNTING METHOD DOES NOT DEGRADE THE ANTENNA'S SIGNAL INTEGRITY)
 - A) ROTATE THE VERTICAL SUPPORT ARM 90 DEGREES SUCH THAT THE ANTENNA IS AT THE SAME HEIGHT AS THE HORIZONTAL SUPPORT ARM.
 - B) ELIMINATE THE VERTICAL SUPPORT ARM AND MOUNT THE ANTENNA TO THE HORIZONTAL SUPPORT ARM.
 - C) ANTENNA, ANTENNA SUPPORT ARM, AND SIGN TO MAINTAIN A 40" SEPARATION FROM NEUTRAL /POWER AND 12" FROM OTHER UTILITIES.
- 3. INSTALL AN END CAP TO SEAL THE EXPOSED END OF THE MOUNTING PIPE.



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

047250



BASE MOUNT EQUIPMENT CABINET

Wireless Radio Antenna Typical Details

Service Total Service	Divsion 11 Wilkes County		Wilkesboro		
Onal Design Section	PLAN DATE:	May 2023	REVIEWED BY:	J. M	a
Greenfield Pkwy,Garner,NC 27529	PREPARED BY:	S.R. Chiluka	REVIEWED BY:	M. Sty	gles
		REVISIONS		INIT.	DATE
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SRChiluka SIGNATURE SIG. INVENTORY NO. | | - X X X X