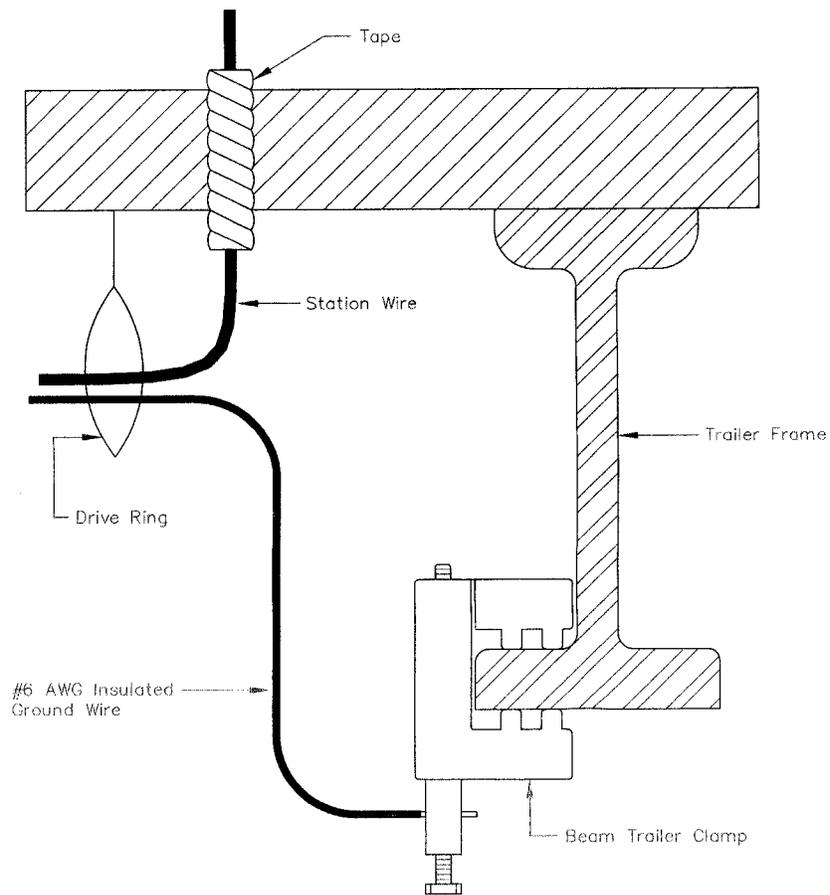


FIGURE 20
MOBILE HOME INSTALLATION



[66 FR 43317, Aug. 17, 2001, as amended at 69 FR 18803, Apr. 9, 2004]

§ 1755.510 Construction and assembly unit drawings.

(a) The construction and assembly unit drawings in this section shall be used by borrowers to assist the installer in making the customer access location installations.

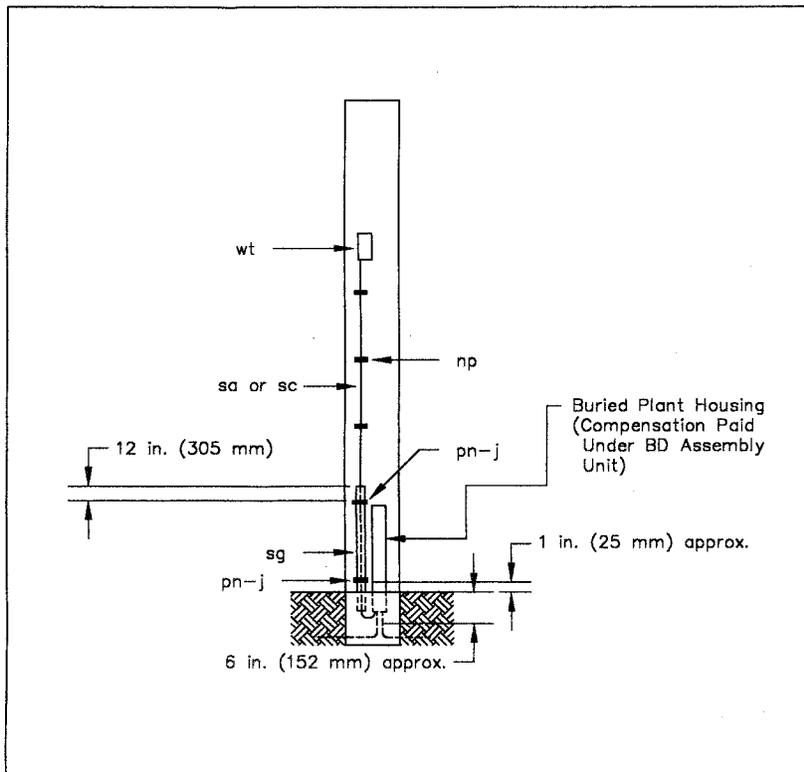
(b) The asterisks appearing on the construction drawings indicate that the items are no longer listed in the RUS Informational Publication (IP) 344-2, "List of Materials Acceptable for Use on Telecommunications Systems of RUS Borrowers." RUS IP 344-2 can

§ 1755.510

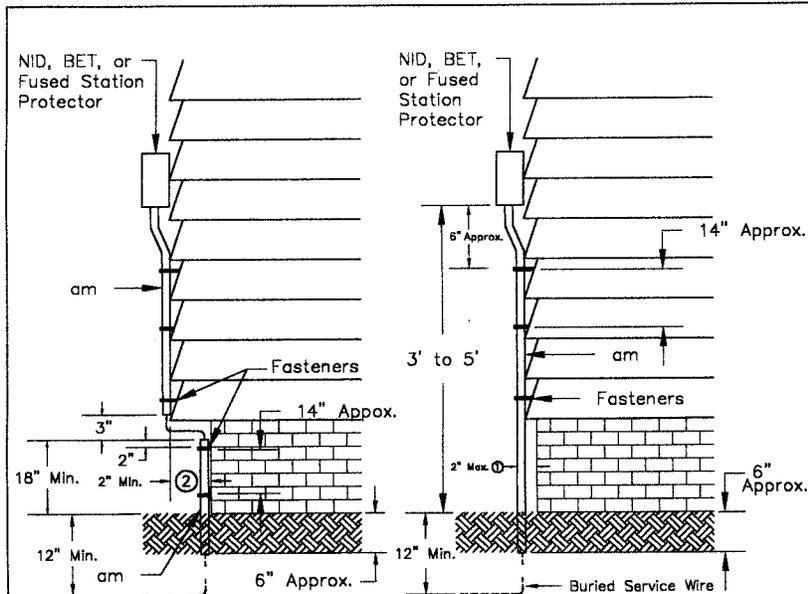
7 CFR Ch. XVII (1-1-08 Edition)

be obtained from the Superintendent of Documents, P. O. Box 371954, Pittsburgh, PA 15250-7954, telephone number (202) 512-1800.

(c) Drawings BM50, BM83, 312-1, 501-1, 501-2, 503-2, 504, 505, 506, 507, 508-1, 510, 510-1, 510-2, 513, 815, 815-1, 958, and 962 are as follows:



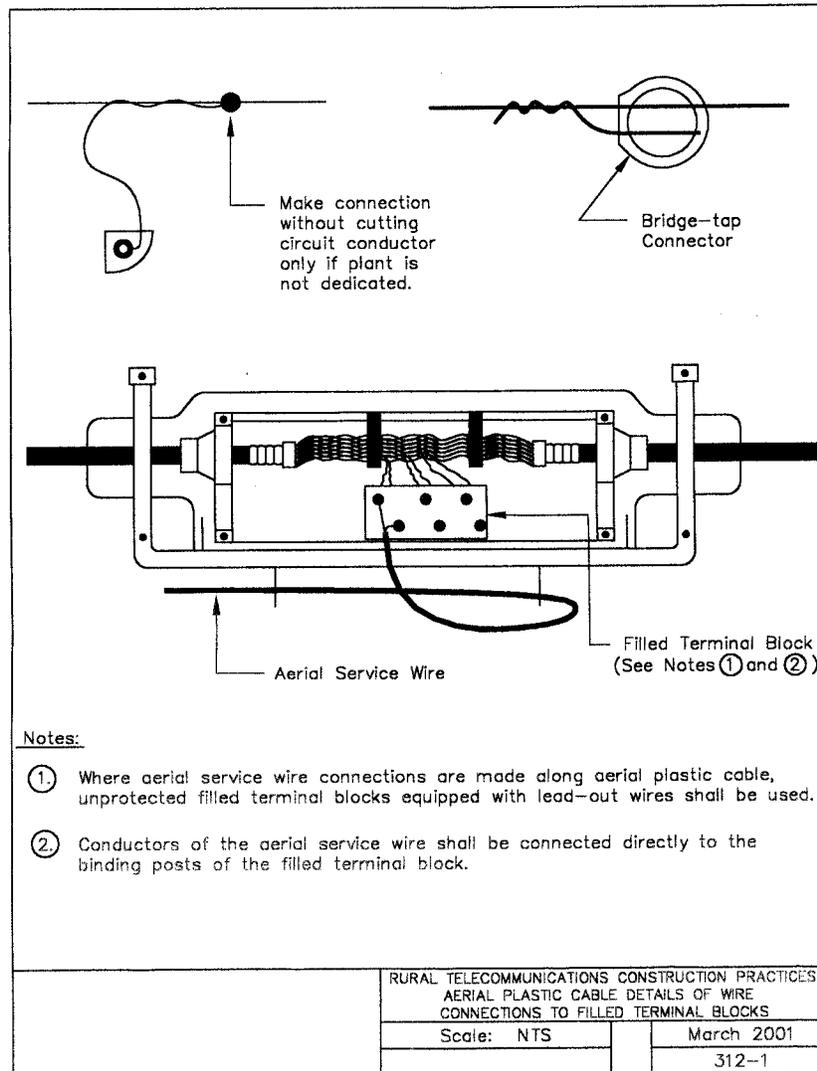
ITEMS	MATERIALS	NO. REQ'D
wt	Terminal, wire, filled, unprotected, pole-mounted (specify pair size)	1
*pn	Strap, riser guard	2
*np	Clamp, one-hole, offset	as req'd
sa or sc	Wire or cable, filled, buried	as req'd
sg	Guard, riser, 1 in. ID by 8 ft (25 mm ID by 2.4 m)	as req'd
j	Screws, lag (size as required)	4
RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES BURIED SERVICE WIRE OR CABLE INSTALLATION TO POLE-MOUNTED WIRE TERMINAL		
Scale: NTS		March 2001
BM50		

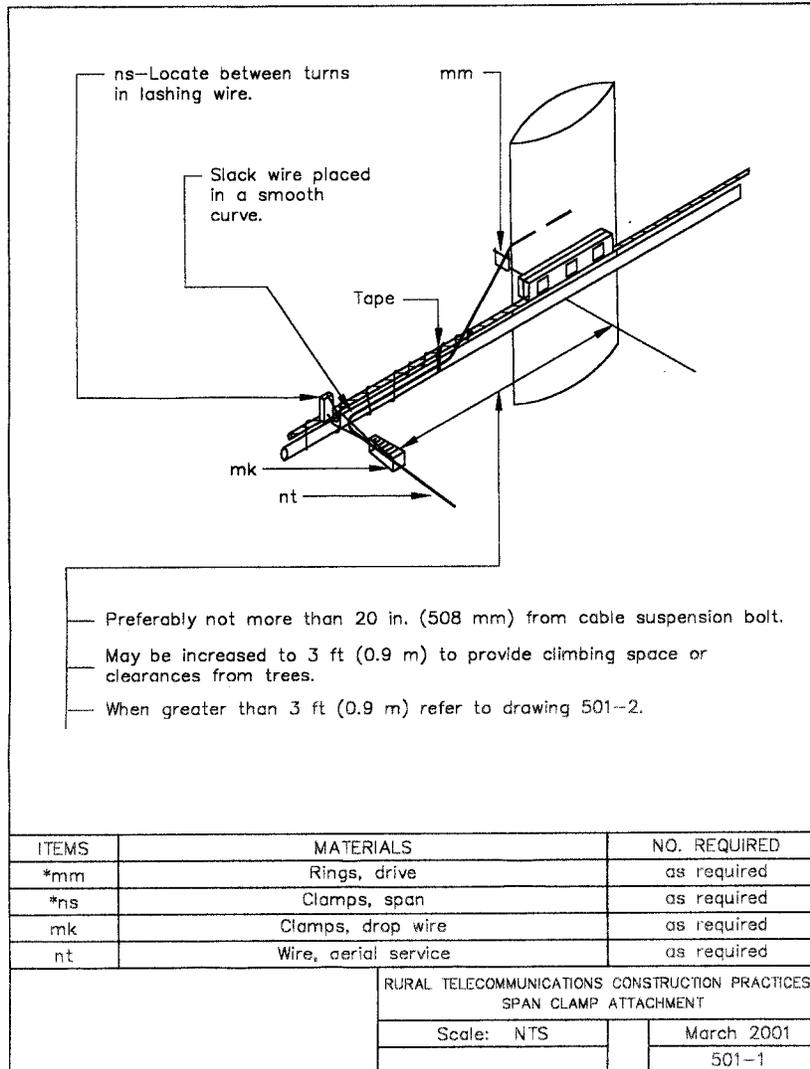


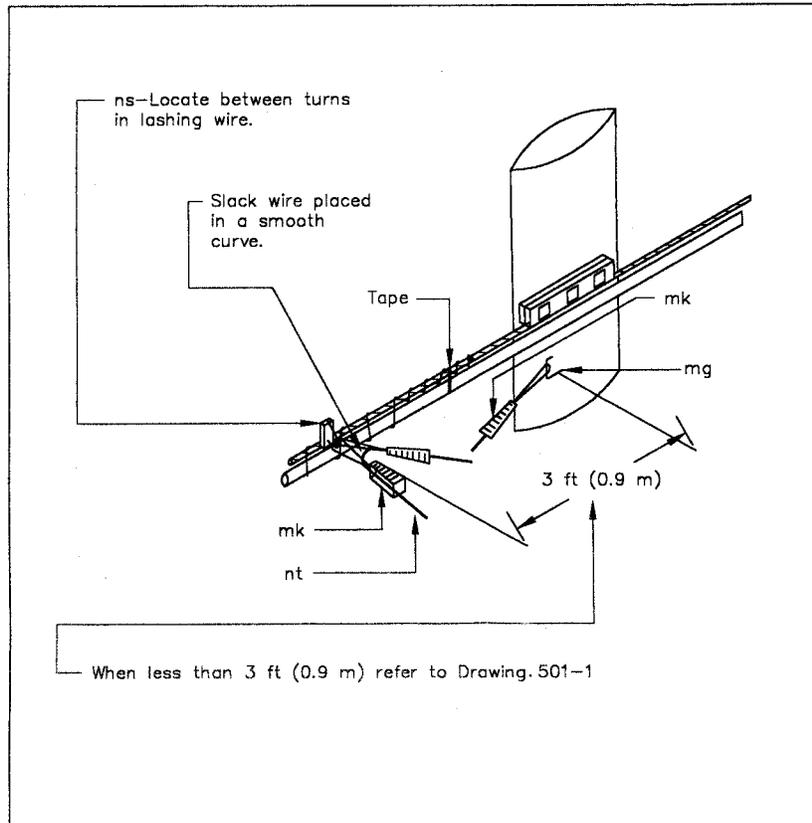
Notes:

- ① Where an obstruction of less than 2 in. is encountered, the buried service guard (item am) shall extend from the NID, BET, or fused protector to 6 in. below the ground.
- ② Where an obstruction of greater than 2 in. is encountered, the buried service guard (item am) shall be divided as shown (from the NID, BET, or fused protector to the obstruction, and from 3 in. below the obstruction to 6 in. below the ground). In lieu of divided service guards (item am), a continuous flexible conduit may be used from the NID, BET, or fused protector to 6 in. below the ground.
- ③ For converting English units to metric units use 1 in. = 25.4 mm and 1 ft = 0.3048 m.

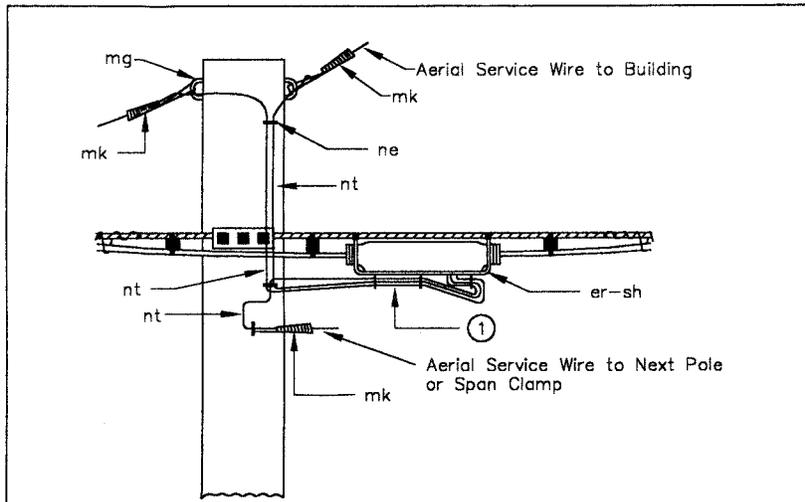
ITEM	MATERIAL	NO. REQ'D
am	Guard, buried service (including fasteners)	1
RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES BURIED SERVICE GUARD		
Scale: NTS		March 2001
		BMB:3







ITEMS	MATERIALS	NO. REQUIRED
*mg	Hooks, drive	as required
*ns	Clamps, span	as required
mk	Clamps, drop wire	as required
nt	Wire, aerial service	as required
RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES SPAN CLAMP ATTACHMENT		
Scale: NTS		March 2001
		501-2



Note:

- ①. Install aerial service wiring through all rings on bottom of terminal housing. Turn wire back around last ring to assigned pair. Form wire loosely to avoid sharp bends.

ITEMS	MATERIALS	NO. REQUIRED
*mg	Hooks, drive	as required
*ne	Rings, bridge	as required
er	Enclosures, ready-access	—
sh	Blocks, filled, terminal, unprotected	—
nt	Wire, aerial service	as required
mk	Clamps, drop wire	as required

RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES
 SERVICE WIRE CONNECTIONS TO AERIAL CABLE
 Scale: NTS
 March 2001
 503-2

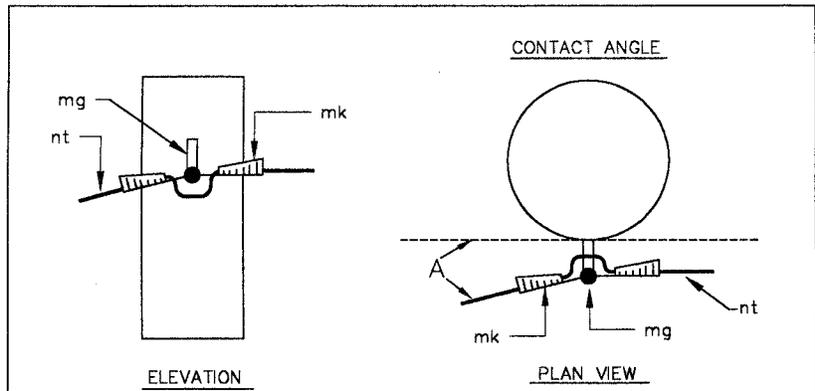


FIGURE A: Aerial service wires whose contact angle (A) exceeds five degrees and/or whose adjacent span lengths are different by 25 percent or more.

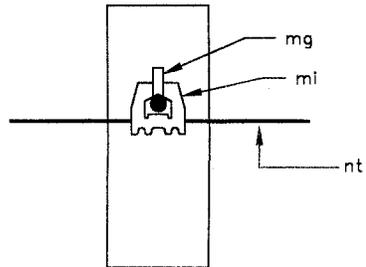
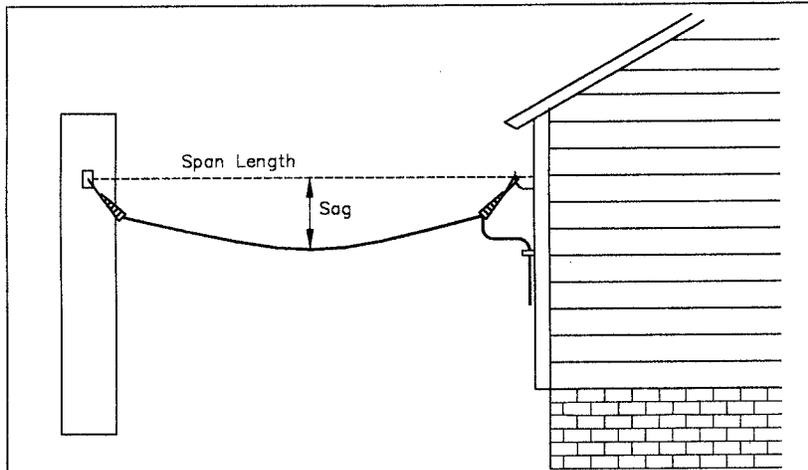


FIGURE B: Aerial service wires whose contact angle (A) is less than five degrees and/or whose adjacent span lengths are different by less than 25 percent.

ITEMS	MATERIALS	NO. REQUIRED
*mg	Hooks, drive	as required
nt	Wire, aerial service	as required
mk	Clamps, drop wire	as required
*mi	Support, drop wire	as required

RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES	
SERVICE WIRE ATTACHMENT AT INTERMEDIATE POLE	
Scale: NTS	March 2001
	504



MINIMUM STRINGING SAG – COPPER COVERED STEEL REINFORCED (CCSR) and NONMETALLIC REINFORCED (NMR) AERIAL SERVICE WIRES

SPAN LENGTH ft (m)	SAG—MEDIUM AND LIGHT LOADING DISTRICTS	SAG—HEAVY LOADING DISTRICT
100 (30.5) OR LESS	20 in. (510 mm)	20 in. (510 mm)
125 (38)	34 in. (860 mm)	34 in. (860 mm)
150 (46)	4 ft (1.2 m)	4 ft (1.2 m)
175 (53)	5,5 ft (1.7 m)	7 ft (2.1 m)
200 (61)	7 ft (2.1 m)	11 ft (3.4 m)
225 (66.5)	9 ft (2.7 m)	
250 (76)	11 ft (3.4 m)	

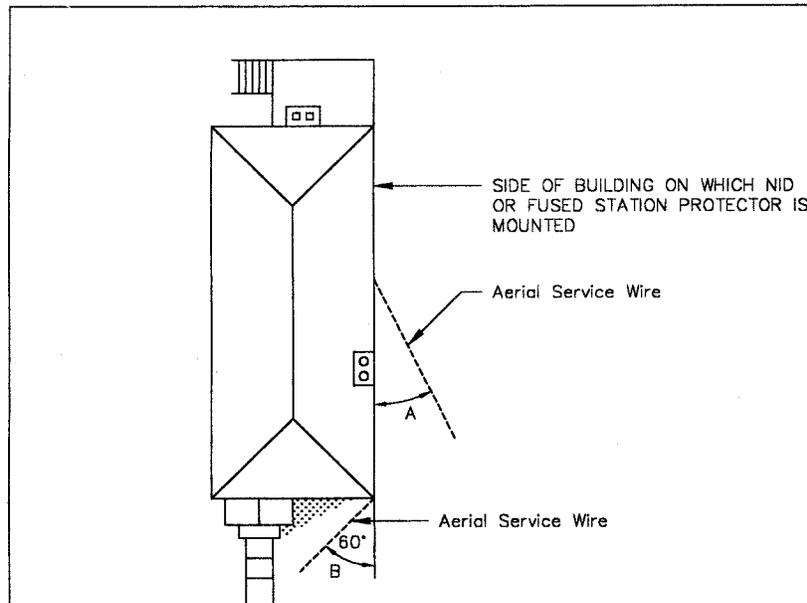
Note: To reduce vibration and dancing, service wire shall be twisted one complete turn for each 10 ft (3 m) of span length at the time installation.

RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES
AERIAL SERVICE WIRE SAGS

Scale: NTS

March 2001

505



Frame Buildings Where NIDs Containing Fuseless Station Protectors are Used on Fire Resistant Buildings.

Use house hook or drop wire hook for any angle except angle B. When necessary to place service wire within angle B use "S" knob with corner bracket to avoid service wire attachment on front of building.

Frame Buildings Where Fused Station Protectors are Used.

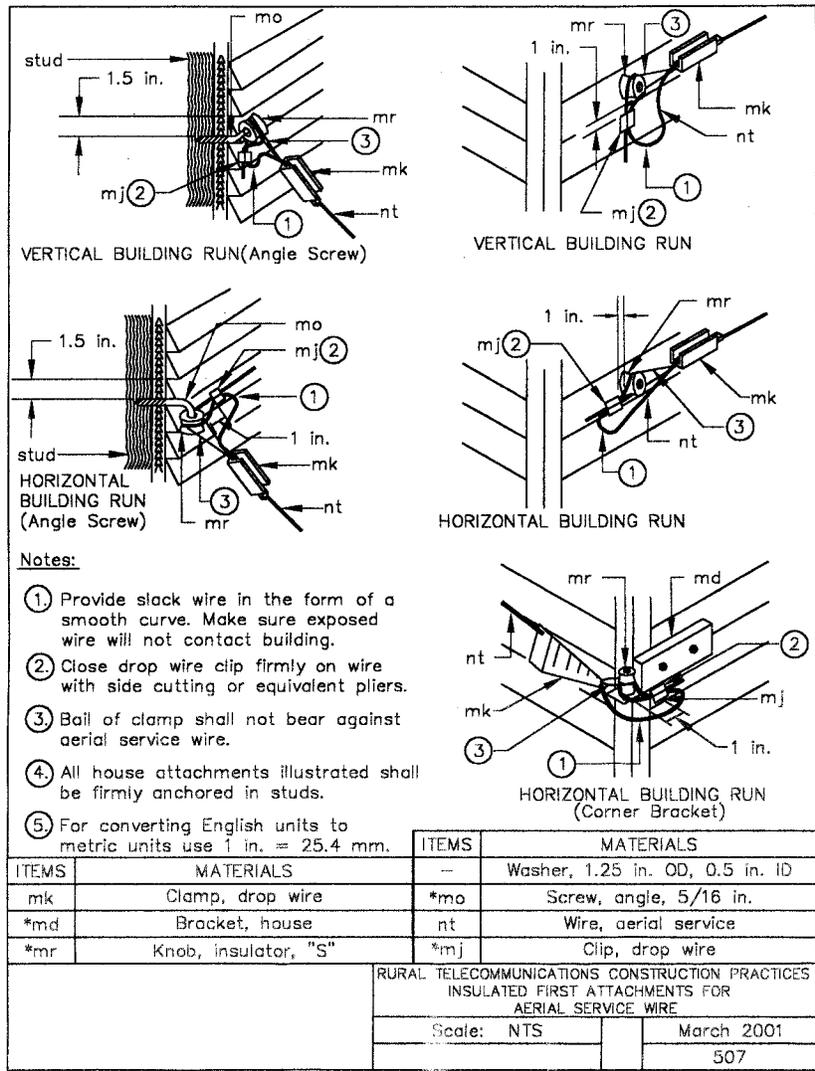
If angle A is less than 30° use "S" knob. If angle A is greater than 30° use "S" knob with 5/16 in. (7.9 mm) angle screw. When necessary to place service wire within angle B use "S" knob with corner bracket to avoid service wire attachments on front of buildings.

RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES
SELECTION OF SERVICE WIRE ATTACHMENT

Scale: NTS

March 2001

506



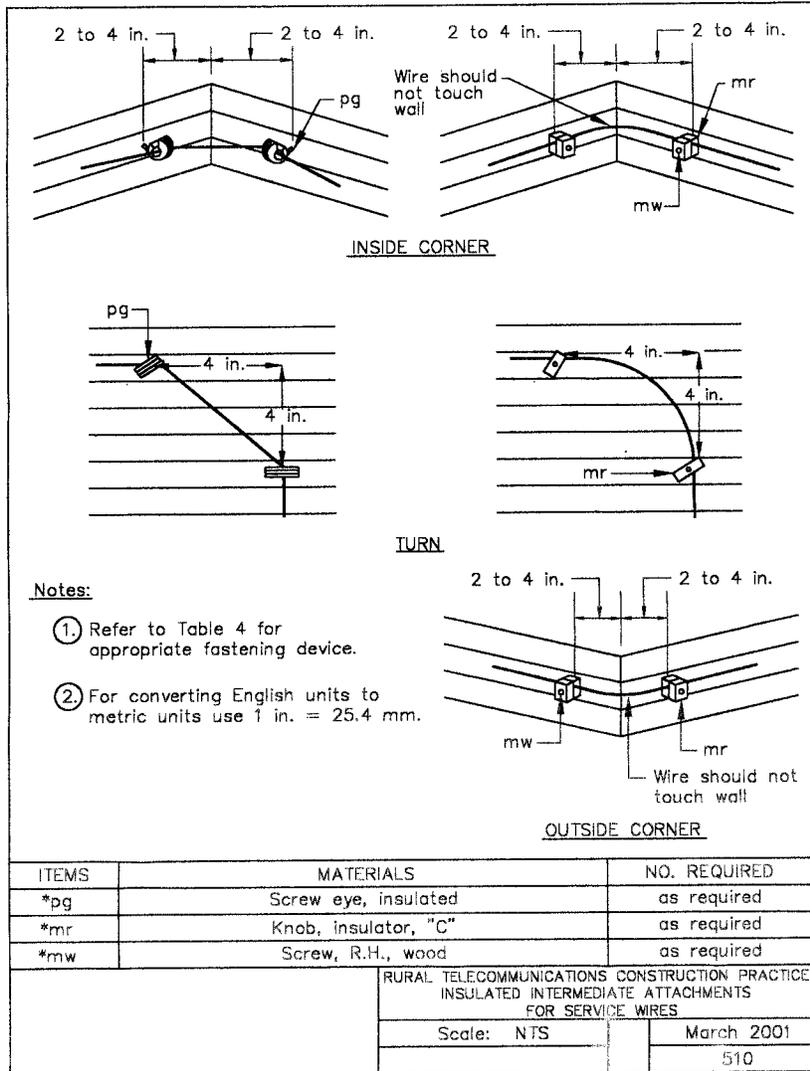
Notes:

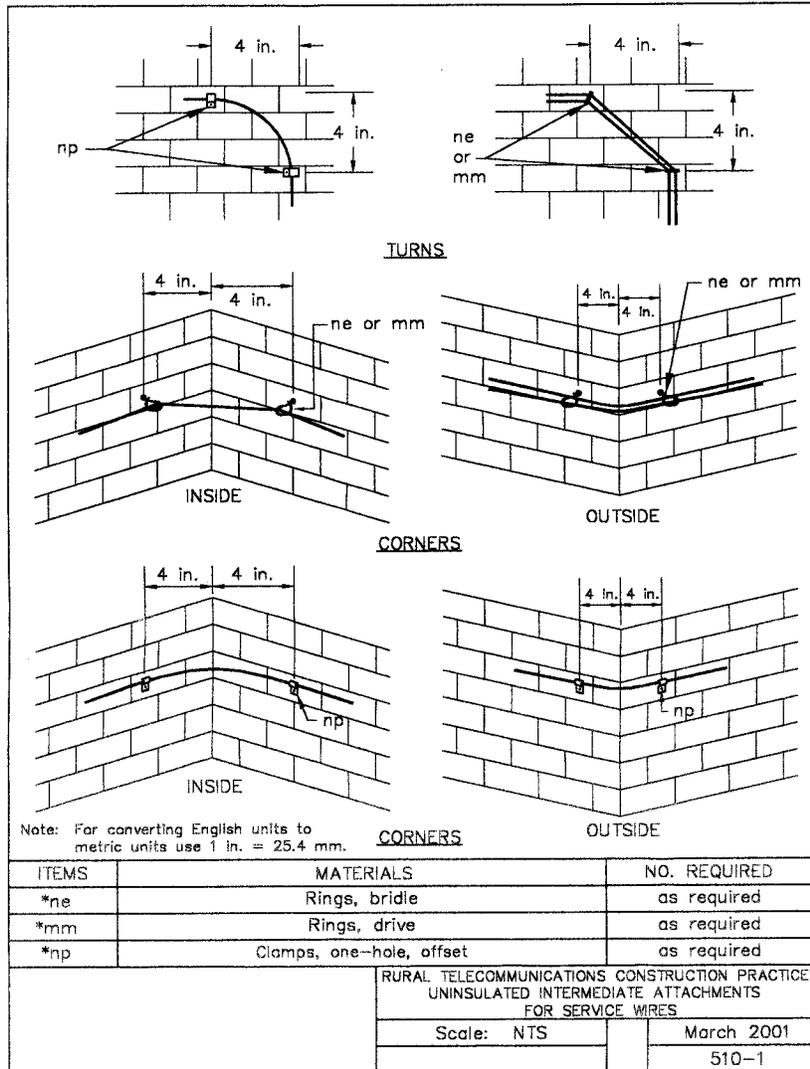
- ① See Table 4 for appropriate fasteners to be used with attachments. Expansion anchors not required on frame buildings, attachments must be firmly secured in studs.
- ② Provide slack wire in the form of a smooth curve.
- ③ For converting English units to metric units use 1 in. = 25.4 mm.

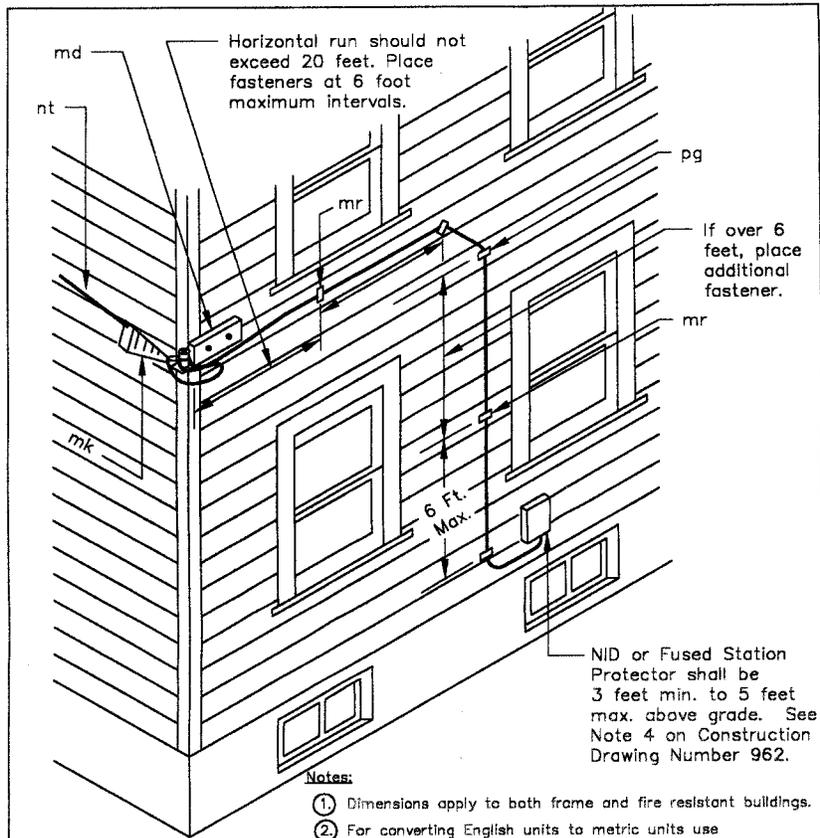
ITEMS	MATERIALS	ITEMS	MATERIALS
		*mw	Screw, R.H., stainless steel, wood
mk	Clamp, drop wire	*my	Hook, drop wire
*md	Bracket, house	*ph	Anchor, expansion
*mr	Knob, insulator, "S"	np	Clamp, cable
--	Hook, house	*mj	Clip, drop wire

RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES
UNINSULATED FIRST ATTACHMENTS FOR
AERIAL SERVICE WIRE

Scale: NTS	March 2001
508-1	



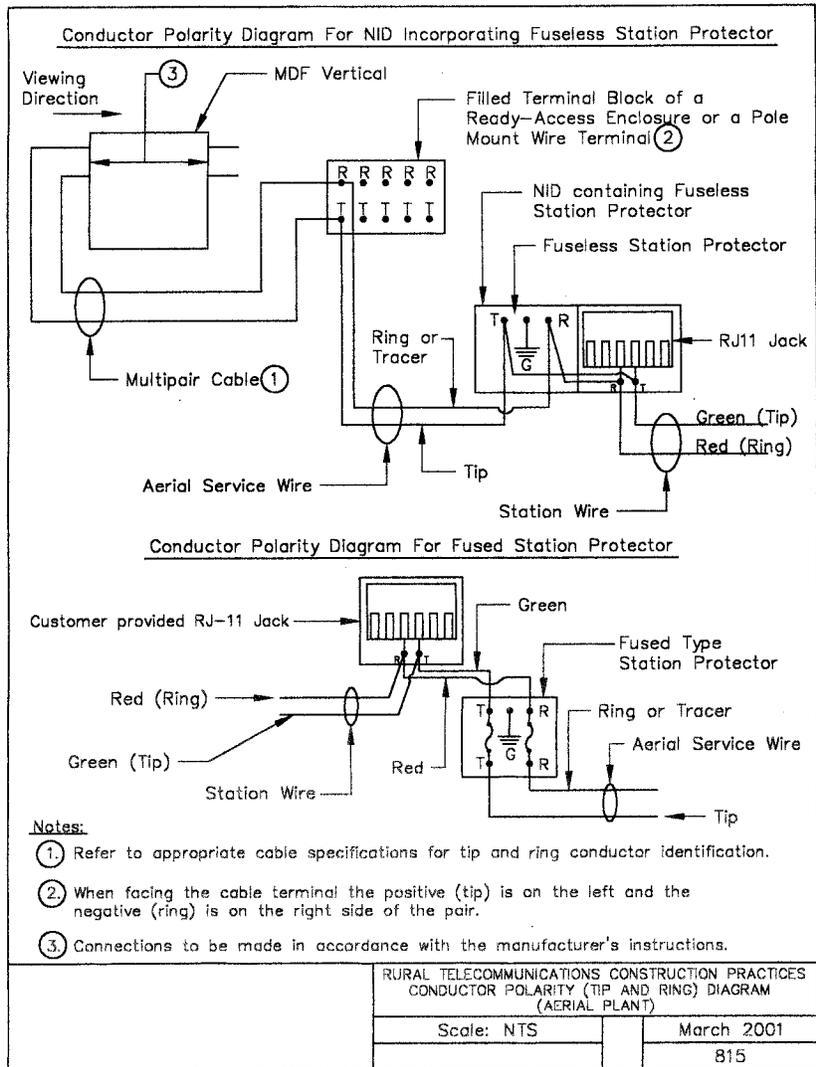


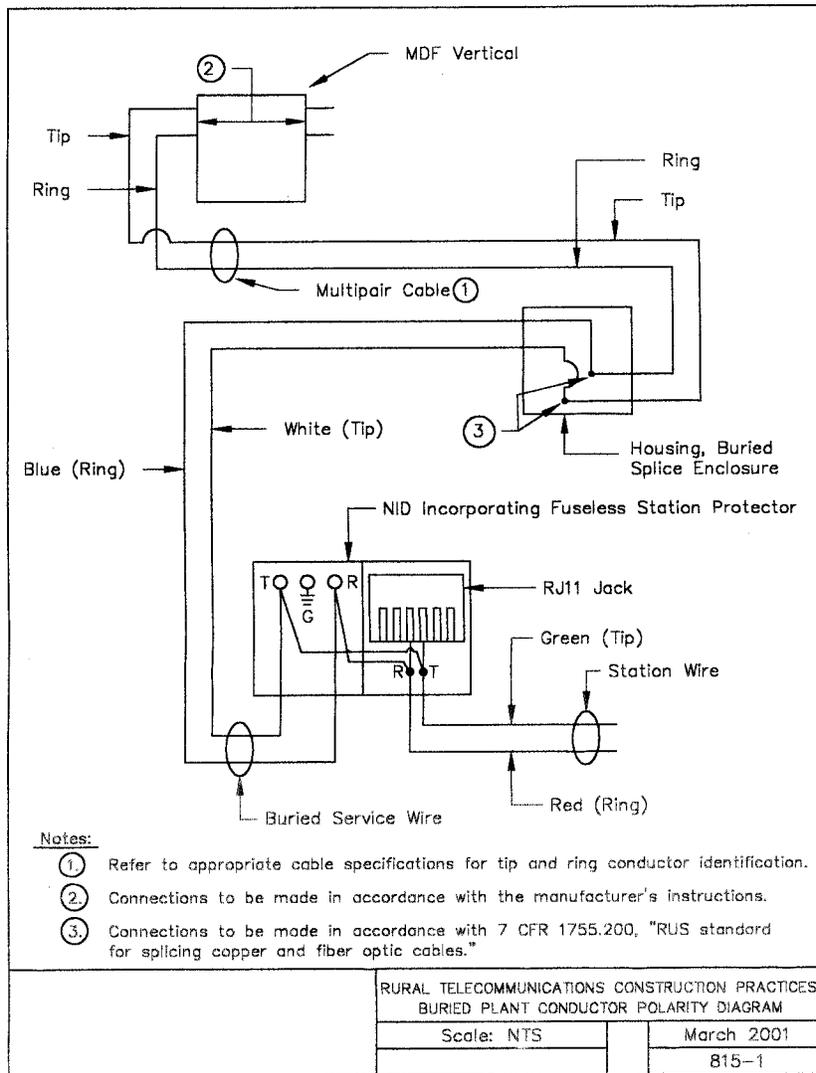


Notes:

- ① Dimensions apply to both frame and fire resistant buildings.
- ② For converting English units to metric units use 1 ft = 0.3048 m.

ITEMS	MATERIALS	ITEMS	MATERIALS
mk	Clamp, drop wire	nt	Wire, aerial service
*md	Bracket, corner	*pg	Screweyes, porcelain, insulated
*mr	Knob, "C"	*mr	Knob, insulator
RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES AERIAL SERVICE WIRE RUN ON BUILDINGS			
Scale: NTS		March 2001	
513			





Notes:

- Markers shall be installed on all buried wires and cables at each housing as shown in 7 CFR 1755.200.
- The marker shall be wrapped around the cable in a manner such that the printed portion of the marker is completely covered and protected by at least one layer of transparent tape. On cables too large for this to be accomplished with a single marker, a second marker shall be applied so that the clear tape of the second marker provides protection for the printed portion of the first. The information shall be legibly printed and shall be readily visible.
- The markers shall contain the following information unless indicated otherwise by the Borrower or Borrower's Engineer.

Buried Service Wire:
 Line 1 - Subscribers identification (Such as: name, telephone number, or address)

Buried Cable or Wire:
 Line 1 - Nearest sequential marking
 Line 2 - Direction of cable or wire
 Line 3 - Cable reel number
 Line 4 - Name of cable manufacturer
- Other methods or materials of directional marking may be used when specified by the Borrower or the Borrower's Engineer.

Buried Service Wire Marker

Line 1	Tom Brown 5671234	
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Transparent tape
Printing area

Buried Cable Marker

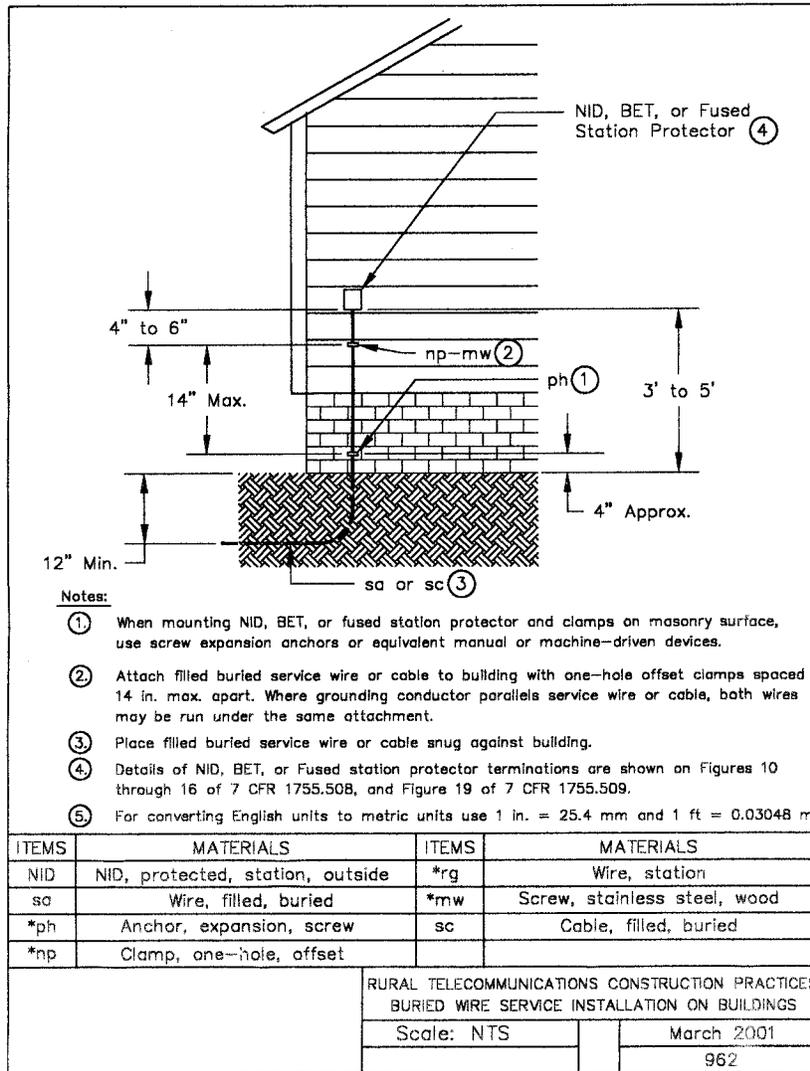
Line 1	3461	
Line 2	West to Housing 18	
Line 3	Reel #6942	
Line 4	Manufacturer	

Transparent tape
Printing area

ITEM	MATERIAL	NO. REQ'D
*tm	Tape, marker	as required

RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES
 BURIED CABLE AND WIRE DIRECTIONAL MARKING

Scale: NTS	March 2001
958	



[66 FR 43327, Aug. 17, 2001]

§§ 1755.511-1755.521 [Reserved]

§ 1755.522 RUS general specification for digital, stored program controlled central office equipment.

(a) *General.* (1) This section covers general requirements for a digital tele-

phone central office switching system, which is fully electronic and controlled by stored program processors. A digital switching system transfers information which is digitally encoded from any input port to a temporarily addressed exit port. The information may enter