DROP AND BLOCK WIRING
ATTACHING DEVICES FOR WALLS IN MEDIUM AND LIGHT LOADING AREAS

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1. GENERAL

1.01 This section replaces Issue 2. It is being reissued to include changes in the National Electrical Code requirements which extend the use of uninsulated building attachments on NP and C Drop Wires and B Multiple Drop Wire working out of metal sheath cable. (B Multiple Drop Wire must be fully protected with fuseless protectors where station protection is required.)

1.02 Insulated building attachments are to be used on flammable walls, such as, wood, stucco on wood and metal siding on wood, only when Drop Wires are connected to open wire circuits.

2. ATTACHING DEVICES FOR WALLS

2.01 The following table indicates the attaching devices for various types of building wall.

DROP WIRE ATTACHMENTS ON WALLS
MEDIUM AND LIGHT LOADING AREAS

No. of Drops	First Attachment: Angle between Drop and Wall: less than 30°	First Attachment: Angle between Drop and Wall: 30° and over	Intermediate Attachments	Last Attachment
MASONRY, SOLID BRICK OR SUBSTANTIAL BRICK VENEER				
1 or 2	Drop Wire Hook		5/8 in. Drive Rings	#4 Cable Clamp
3 or more	Drop Wire Hook for each 2 drops			
THIN WALL BRICK VENEER (LESS THAN 3¾ IN. THICKNESS)				
1 or 2	* Drop Wire Hook or		5/8 in. Drive Rings	#4 Cable Clamp
	S Knob for each drop	1 or 2-S Knobs with House Bracket		
3 or more	* Drop Wire Hook for each 2 drops or 2-T Knobs with House Bracket for each 4 drops			
WOOD, STUCCO ON WOOD OR METALLIC SIDING ON WOOD				
Drops From Open Wire Circuits				
1 or 2	S Knob for 1 drop T Knob for 2 drops	S Knob with 5/16 in. Angle Screw for 1 drop T Knob with 3/8 in. Angle Screw for 2 drops	5/8 in. Insulated Screw Eyes on Wood and Metallic Siding or 5/8 in. L Insulated Screw Eyes on Stucco	C Knob for each 2 drops
3 or more	T Knob for each 2 drops	T Knob with 3/8 in. Angle Screw for 2 drops		
Drops from Metal Sheath Cable				
1 or 2	Drop Wire Hook		5/8 in. Drive Rings	#4 Cable Clamp
3 or more	Drop Wire Hook for each 2 drops			
HOLLOW TILE				
1 or 2	S Knob for 1 drop T Knob for 2 drops	1 or 2-S Knobs with House Bracket	Toggle Bridle Rings	#4 Cable Clamp
3 or more	T Knob for each 2 drops	2-T Knobs with House Bracket for each 4 drops		
ALL TYPES OF BUILDINGS				
1 or more	When necessary to clear a building corner in making first attachment, use an S Knob with Corner Bracket for 1 drop or a T Knob with Corner Bracket for 2 drops.			

* Use separate Drop Wire Hook for each drop crossing a highway.

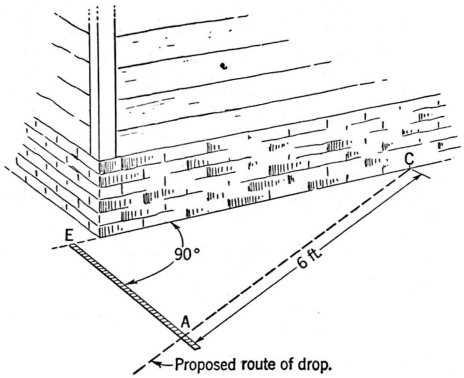
2.02 On Stucco on Tile, Stucco on Metal Lath and Thin Wall Brick Veneer buildings, attachments should be made preferably to exposed secure wood trim. Where this is practicable, make attachments as for wood buildings.

2.03 Angle of 30° can be approximately determined by sight if it is remembered that 30° is 1/3 of a right angle (90°). The following method may be used to check this angle:

(a) Locate C directly under first attachment, using insulator or other convenient article to mark spot.

(b) Locate A at a distance of 6 feet from C along the proposed route of the drop.

(c) Lay the rule along line AE forming a right angle with the side of the building. If distance AE is 3 feet the angle at C is exactly 30°, if less than 3 feet the angle is less than 30° and if more than 3 feet the angle is more than 30°.



2.04 With the proportions between AC and AE in mind the following method may be used:

(a) Locate C directly under first attachment, using knob or other convenient article to mark spot.

(b) Locate A at a distance of two steps from C along the proposed route of the drop.

(c) Turn at A so that you directly face building wall. If distance AE is more than one step the angle is more than 30°, if one step the angle is 30° and if less than one step the angle is less than 30°.