

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G53.141.1
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AT&T Co Standard

BLOCK AND HOUSE CABLE

5A AND 6A GROUND STRIPS

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1. GENERAL

1.01 This section covers the use of the new 5A and 6A Ground Strips for sheath grounding of station ringers and coin collectors in NC, NE, NF and NH cable terminals.

1.02 The NE terminals are not provided with grounded housings and, therefore, it will be necessary to place an external bond of No. 14 Ground Wire between one of the screws of the mounting plate and stub cable when mounted on walls or poles. The ground wire connection to the stub cable should preferably be soldered, but an L Ground Clamp can be used as outlined in Section G53.150.

1.03 The other current standard N-type terminals have housings that are grounded to the stub cables by means of internal bonds encased in the terminal blocks.

1.04 The 5A Ground Strip is intended for use in NC, NE, NF and NH cable terminals in 10 and 16-pair sizes.

1.05 The 6A Ground Strip is intended for use in NC26, NE26, NF26 and NH26 cable terminals.

1.06 Terminate triple block or station wire in N-type terminals equipped with 5A or 6A Ground Strips as follows:

(a) Terminate the tip and ring conductors on binding posts in the usual manner.

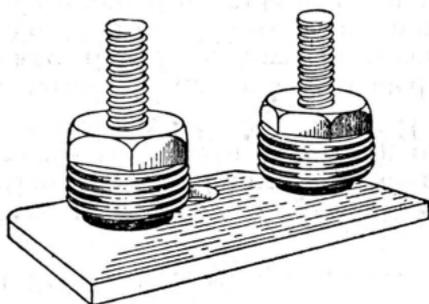
(b) Run the ground conductor of the block or station wire in the wiring channels between the terminal block and terminal housing and terminate on the binding post of the ground strip.

(c) Ground conductors should not be laid across the terminal block as any movement against the binding posts may result in insulation failure and consequent grounding of cable conductors.

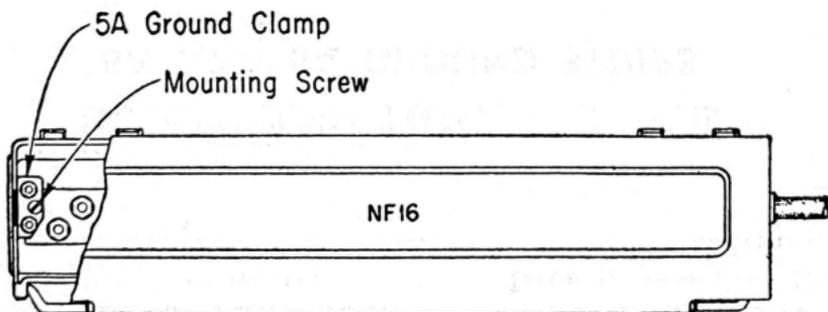
2. 5A GROUND STRIP

2.01 The 5A Ground Strip consists of a brass plate equipped with two binding posts, nuts and washers. A hole is provided in the plate to take the mounting screw which holds down the terminal block in the terminal housing. The shape of the ground strip is such that the inside walls of the 10 and 16-pair terminals keep it from turning.

5A GROUND STRIP



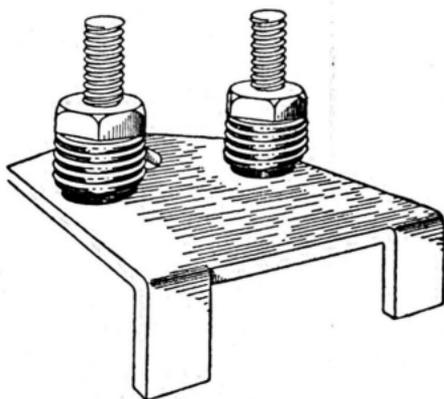
2.02 Installation of 5A Ground Strip in a terminal is illustrated below.



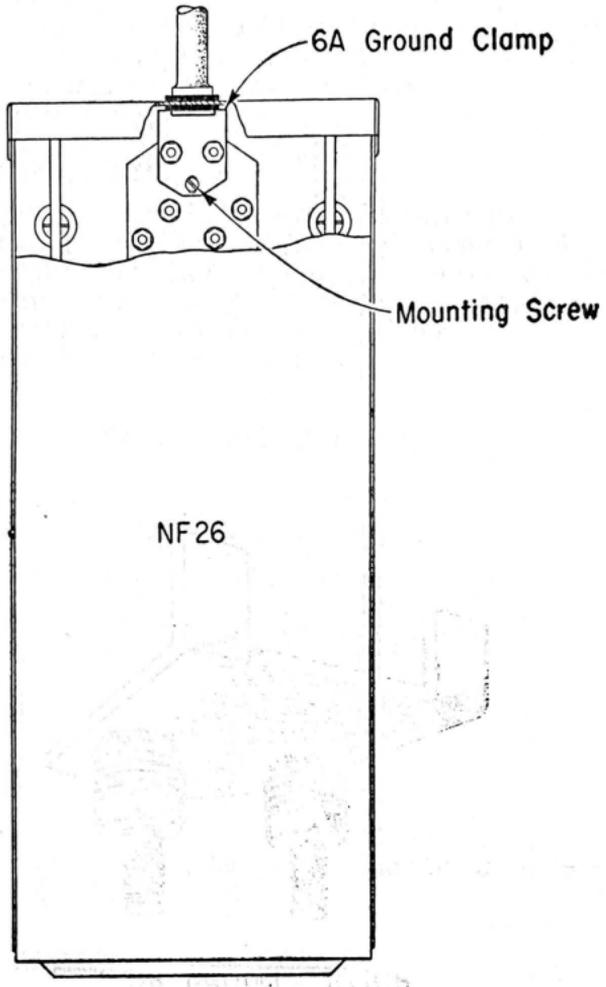
3. 6A GROUND STRIP

3.01 The 6A Ground Strip also consists of a brass plate equipped with two binding posts, nuts and washers. It is installed on the terminal block of N26 terminals at the stub end. When so placed the two lugs on the plate fit over the end of the block, thus preventing the ground strip from turning.

6A GROUND STRIP



3.02 Installation of 6A Ground Strip in a terminal is illustrated below.



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