ADCP-80-322
Issue 4, October 1997

DSX-1 OPERATIONAL PROCEDURES

TRANSMISSION SIGNAL DIRECTION 1
IN-SERVICE PATCHING 2
OUT-OF-SERVICE PATCHING 3
RESTORATION USING A MAINTENANCE LINE 4
INTERBAY PATCH ARRANGEMENT 5
REARRANGE CROSS CONNECTS (EXAMPLE: OFFICE CONVERSION) 6
TEST EQUIPMENT ACCESS 7
CROSS-CONNECT CIRCUIT IDENTIFICATION 8
FIVE-WIRE CROSS-CONNECT WIRING 9
RECOMMENDED CROSS-CONNECT ROUTING (EXCLUDING SUPER HIGH DENSITY) 10
RECOMMENDED CROSS-CONNECT ROUTING (SUPER HIGH DENSITY) 11
TRANSMISSION PATH – NORMAL 12
TRANSMISSION PATH – PATCHED 13
TRANSMISSION PATH – TERMINATED 14

ADC Telecommunications, Inc.
P.O. Box 1101
Minneapolis, Minnesota 55440-1101
FAX: (612) 945-3292
In U.S. and Canada: 1-800-366-3891
Outside U.S. and Canada: (612) 938-8080

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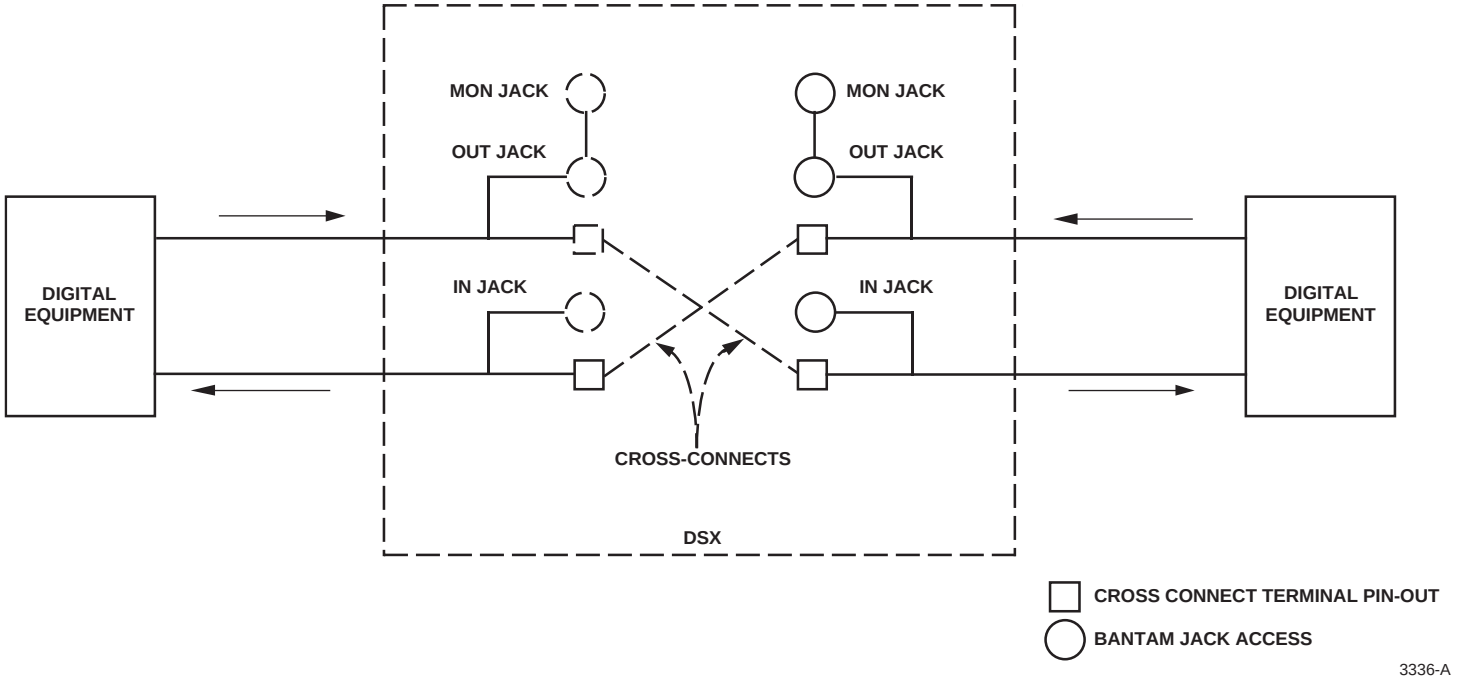
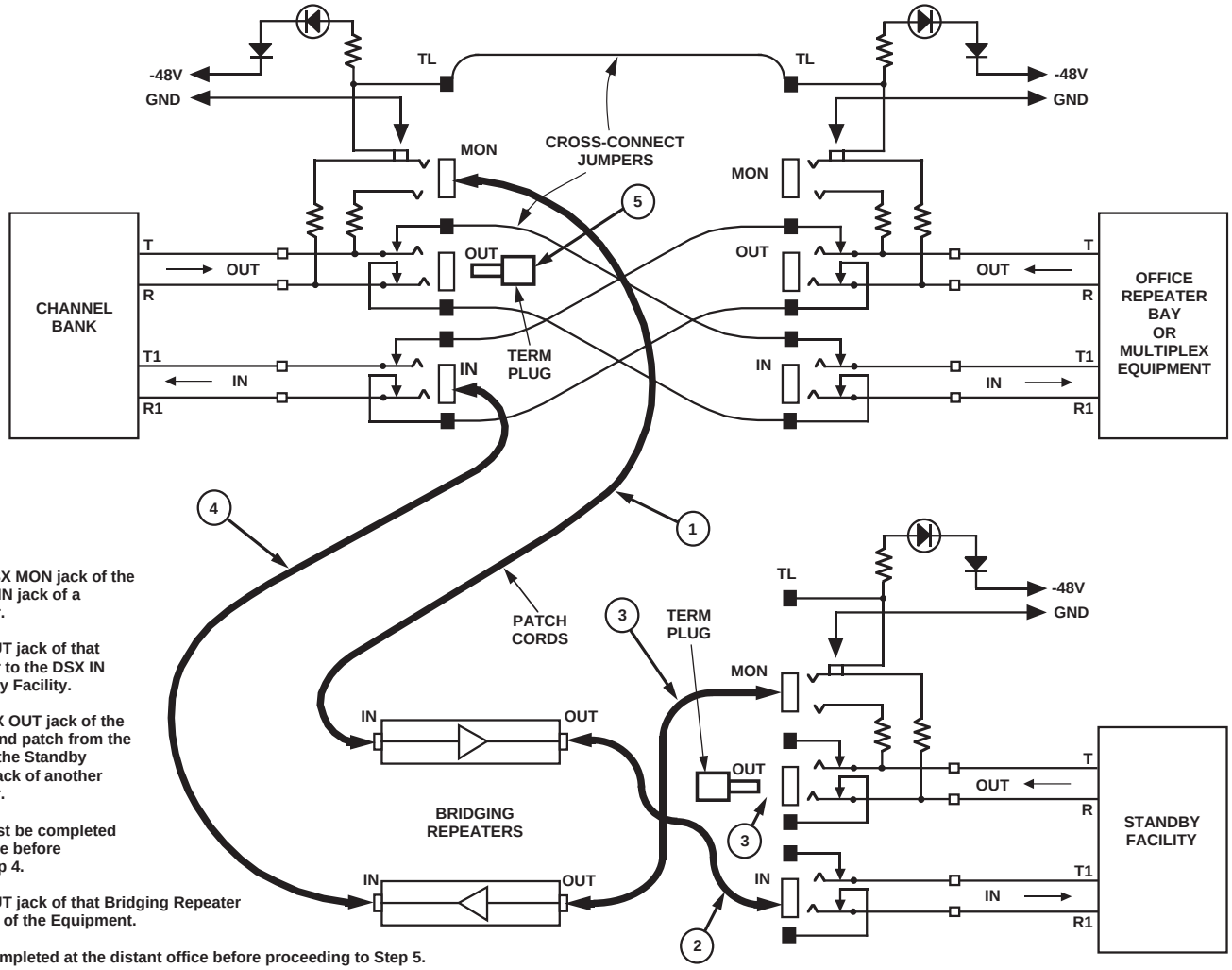


TRANSMISSION SIGNAL DIRECTION



3337-A

Step 1. Patch from the DSX MON jack of the Equipment to the IN jack of a Bridging Repeater.

Step 2. Patch from the OUT jack of that Bridging Repeater to the DSX IN jack of the Standby Facility.

Step 3. Terminate the DSX OUT jack of the Standby Facility and patch from the DSX MON jack of the Standby Facility to the IN jack of another Bridging Repeater.

Note: Steps 1 thru 3 must be completed at the distant office before proceeding to Step 4.

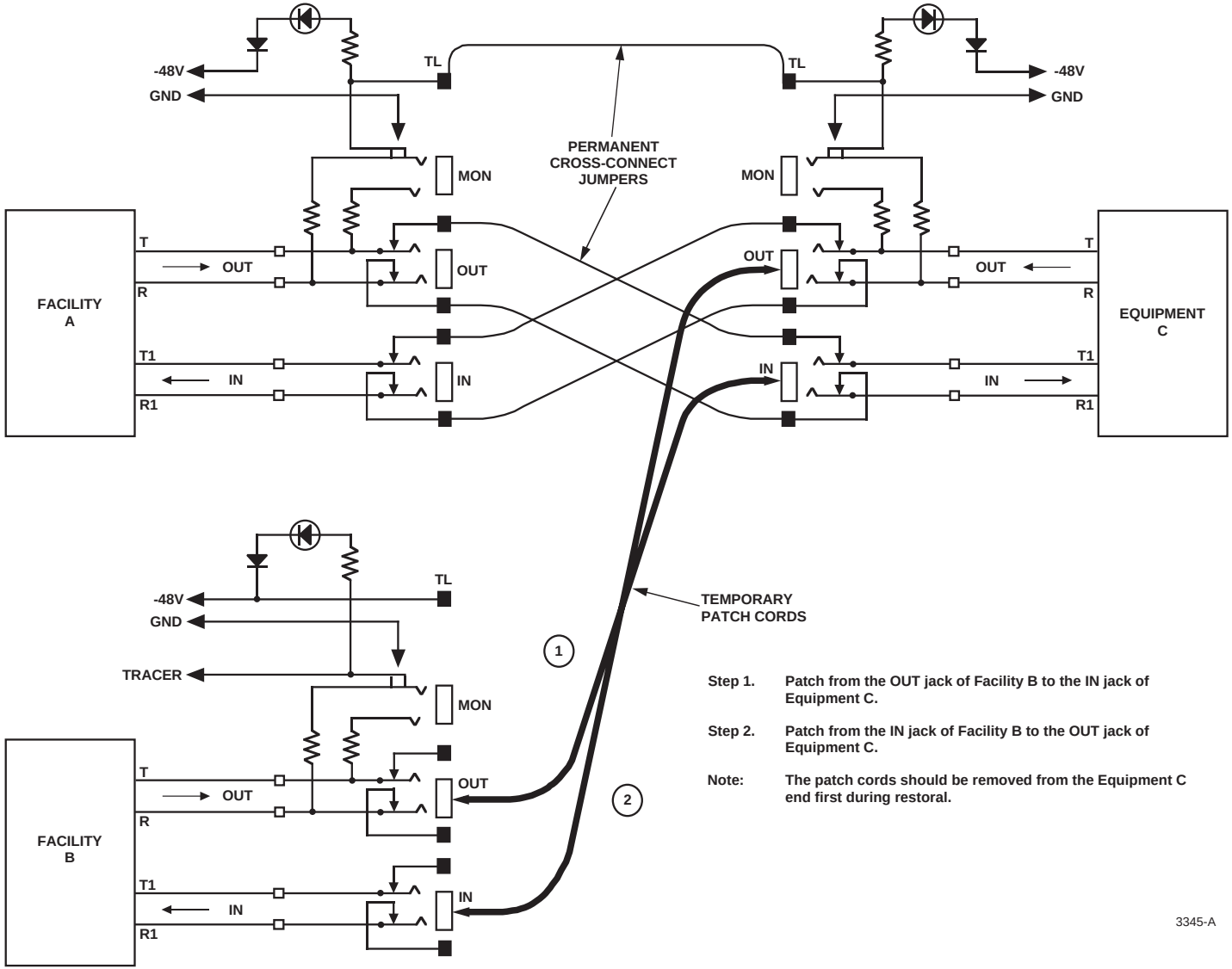
Step 4. Patch from the OUT jack of that Bridging Repeater to the DSX IN jack of the Equipment.

Note: Step 4 must be completed at the distant office before proceeding to Step 5.

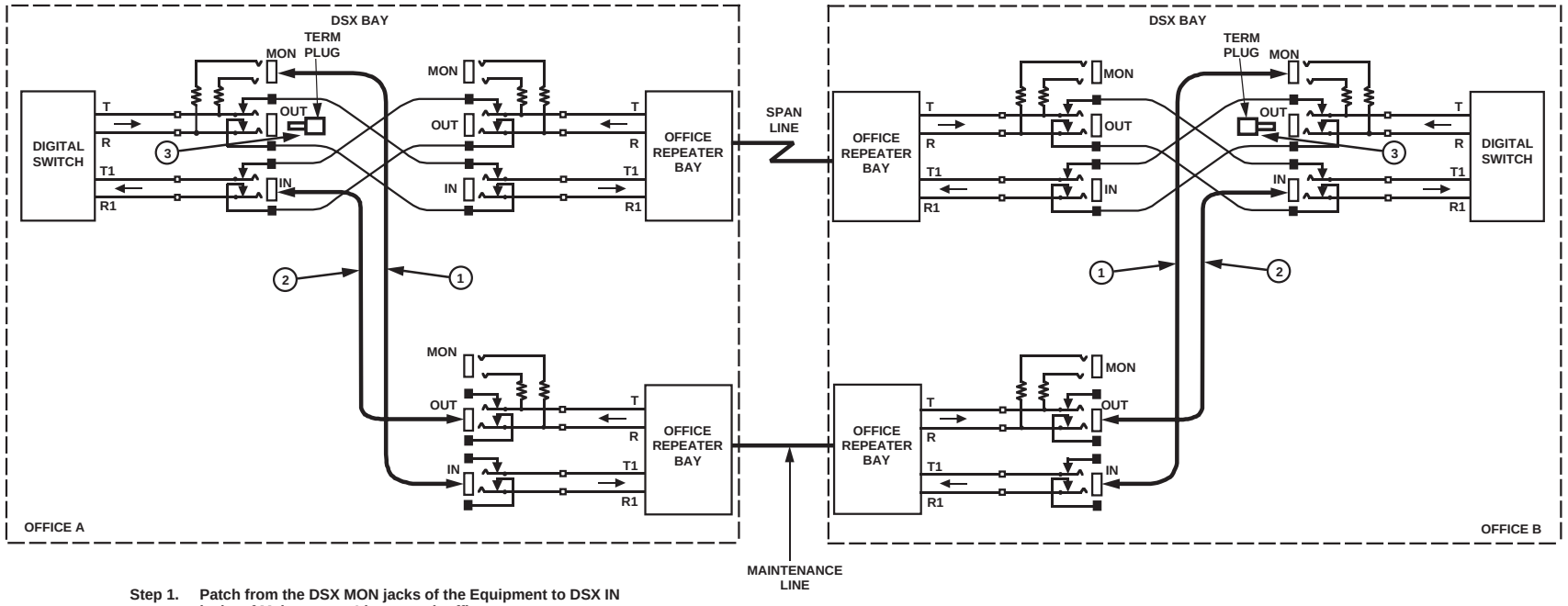
Step 5. Terminate the DSX OUT jack of the Equipment in 100 OHMS.

Note: To restore to the original Facilities, these steps should be reserved in the exact sequence.

IN-SERVICE PATCHING



OUT-OF-SERVICE PATCHING



Step 1. Patch from the DSX MON jacks of the Equipment to DSX IN jacks of Maintenance Line at each office.

Step 2. Patch from the DSX OUT jacks of Maintenance Line to DSX IN jacks of Equipment at each office.

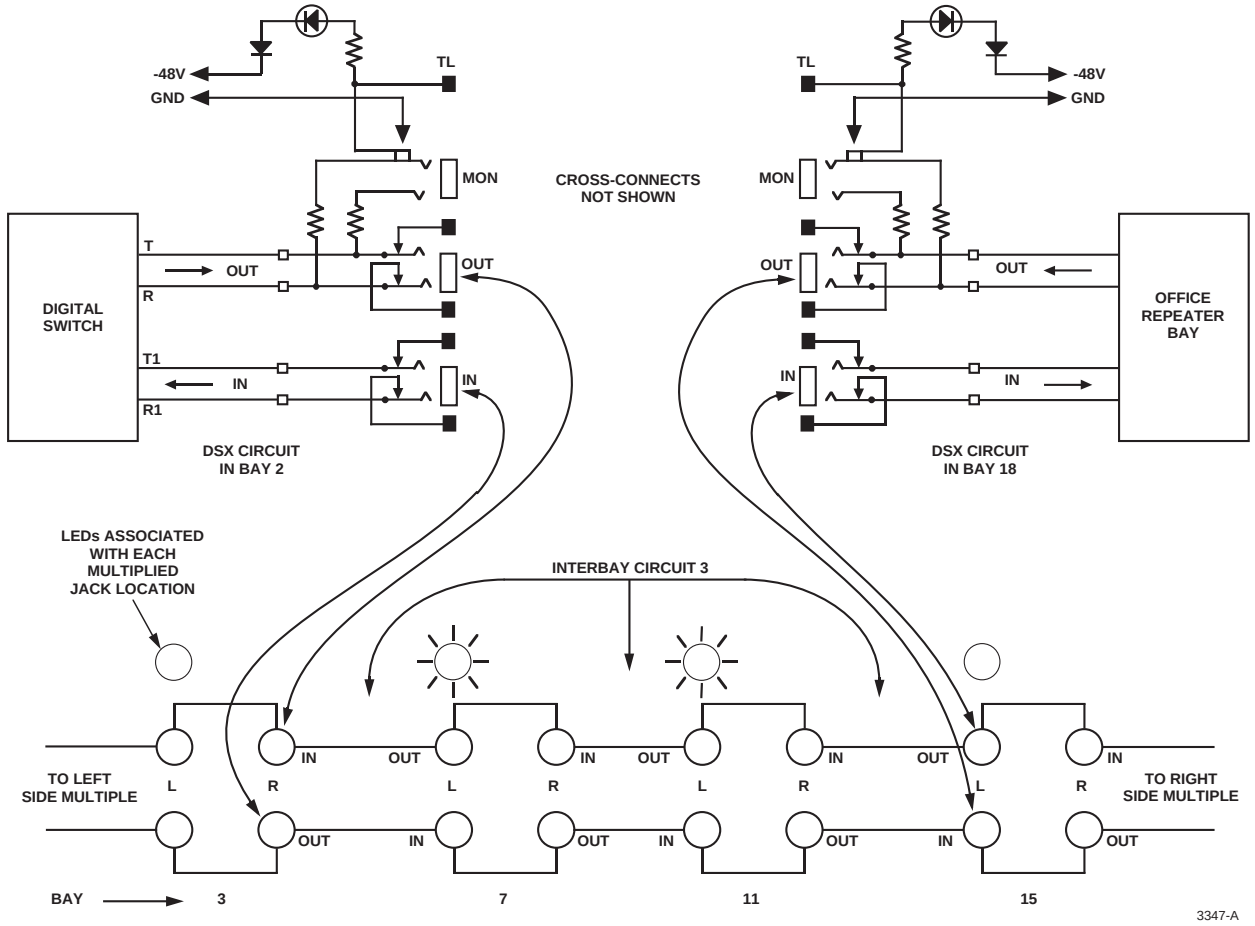
Step 3. Terminate the DSX OUT jack of the Equipment at each office. To remove patches without service interruption, reverse these steps in the exact sequence.

Caution: For in-service patching, each step must be completed at both offices before proceeding to the next step.

Note: Bridging Repeaters are located in the Office Repeater Bay as part of the Maintenance Line.

3346-A

RESTORATION USING A MAINTENANCE LINE

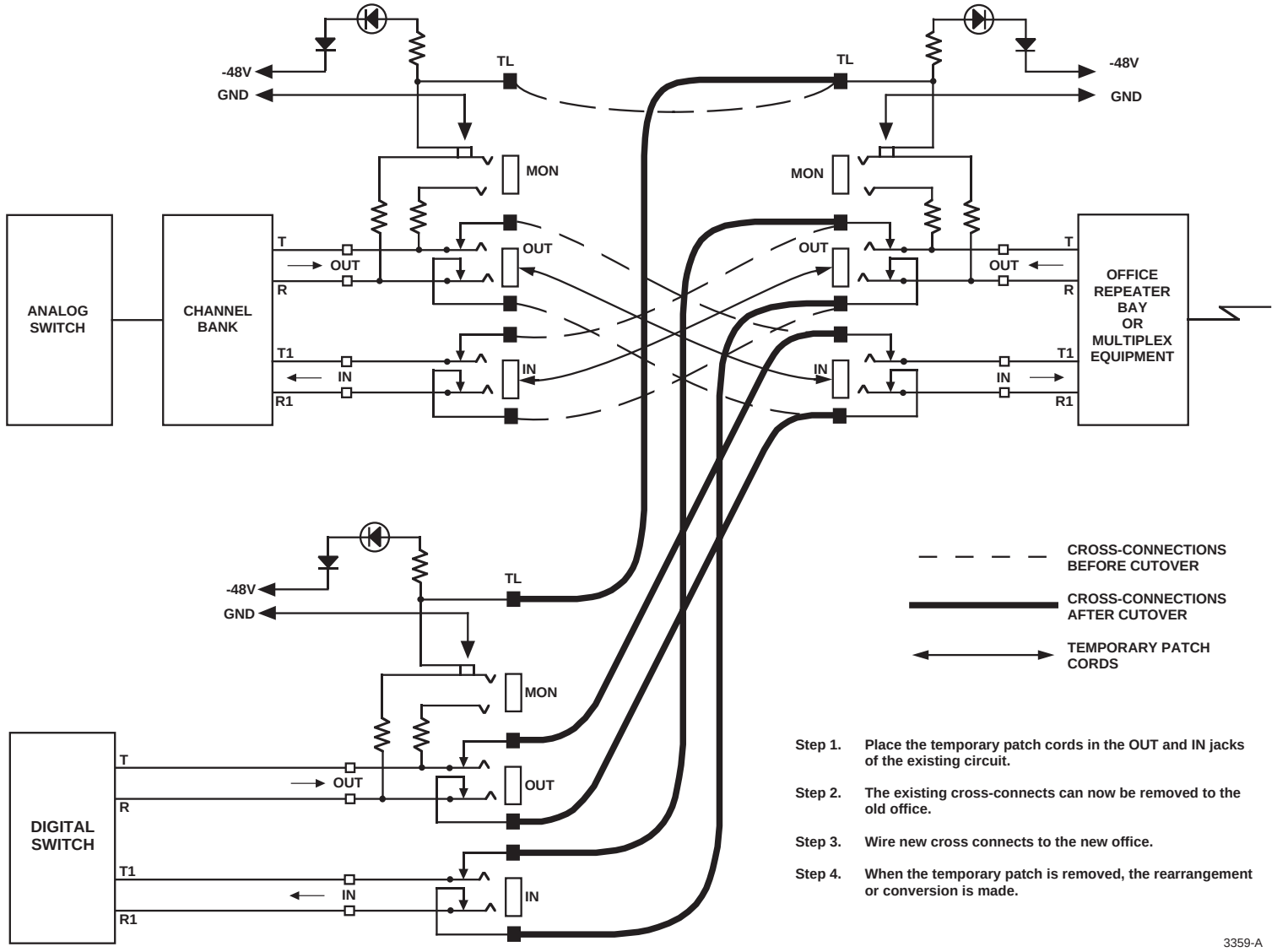


Without exception, always patch OUT to IN and IN to OUT at every location, whether using single-ended or dual-ended plugs.

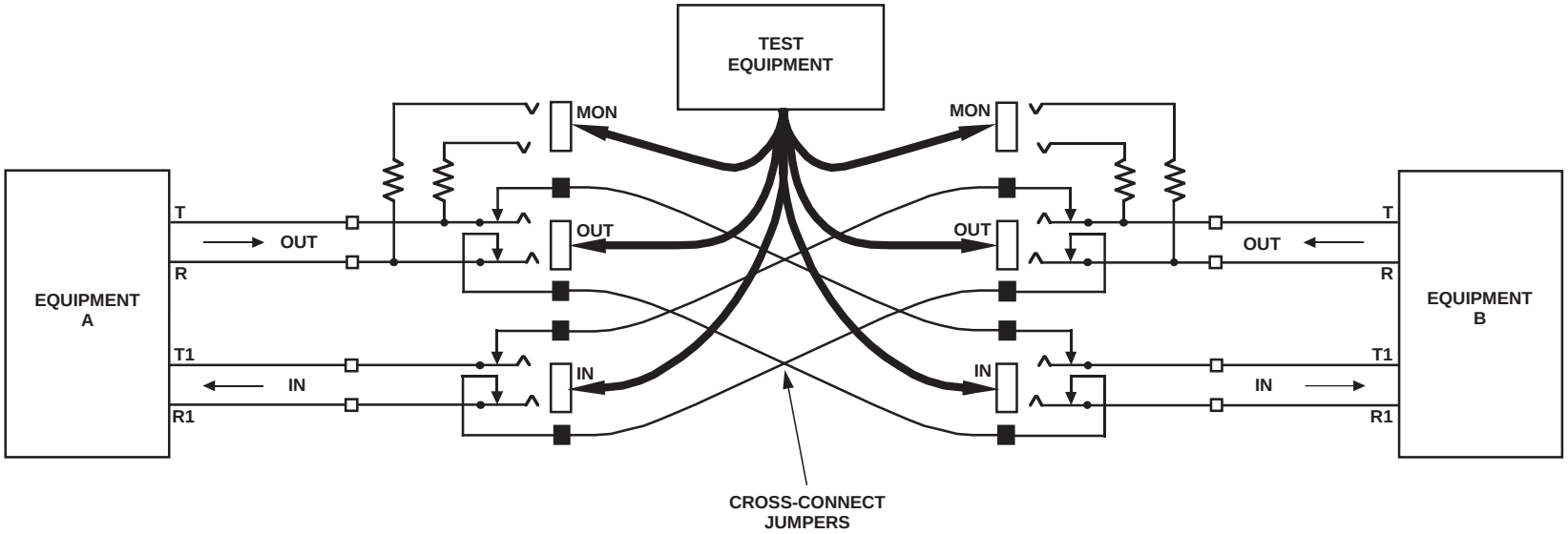
When a patch is made from the left to right direction, the right side of the jack appearance selected must be used. The other end of the patch must use the left side of the jack appearance selected. The reverse is true if patch is made from right to left direction.

Note: In this example, the LEDs in Bay 7 and 11 for Circuit 3 will be lit, indicating the jack is in use.

INTERBAY PATCH ARRANGEMENT



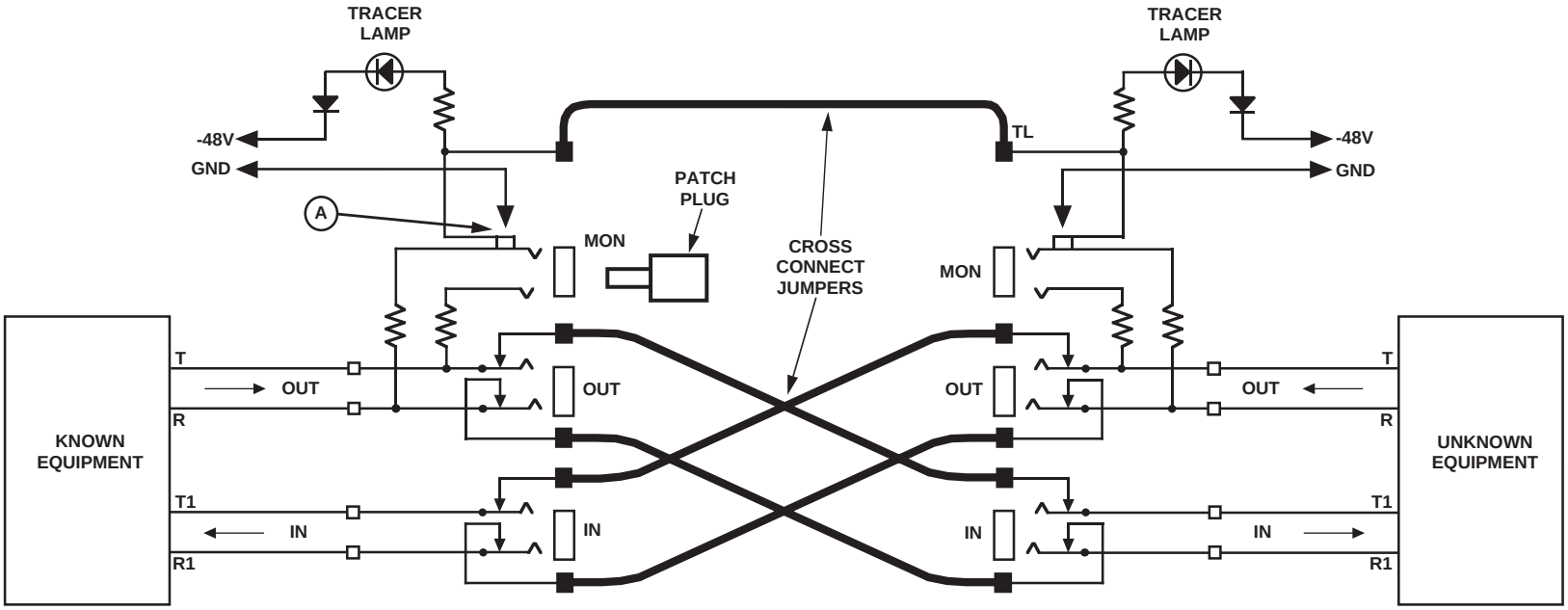
REARRANGE CROSS CONNECTS (EXAMPLE: OFFICE CONVERSION)



Note: The MON jack access allows in-service monitoring. The IN and OUT jacks cause the circuit to be interrupted (intrusive testing).

3350-A

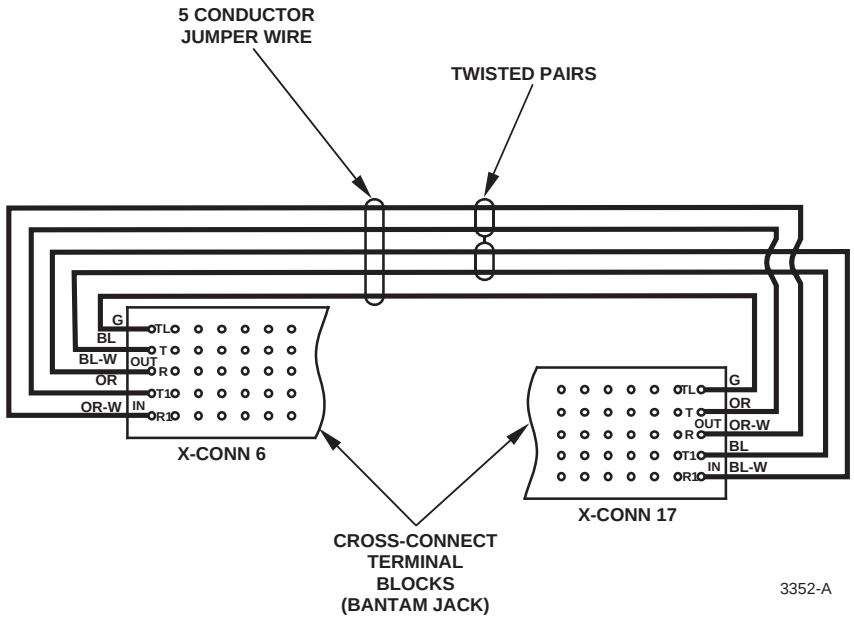
TEST EQUIPMENT ACCESS



Note: A plug inserted in the MON jack causes contacts to make at (A), extending ground to both LED tracer lamps which will flash for approximately 30 seconds, and then remain lit. There is no service interruption.

3351-A

CROSS-CONNECT CIRCUIT IDENTIFICATION



FIVE-WIRE CROSS-CONNECT WIRING

A. All jumpers in the left-hand side of the cross-connect field should enter and leave the bay from the left vertical wireways.

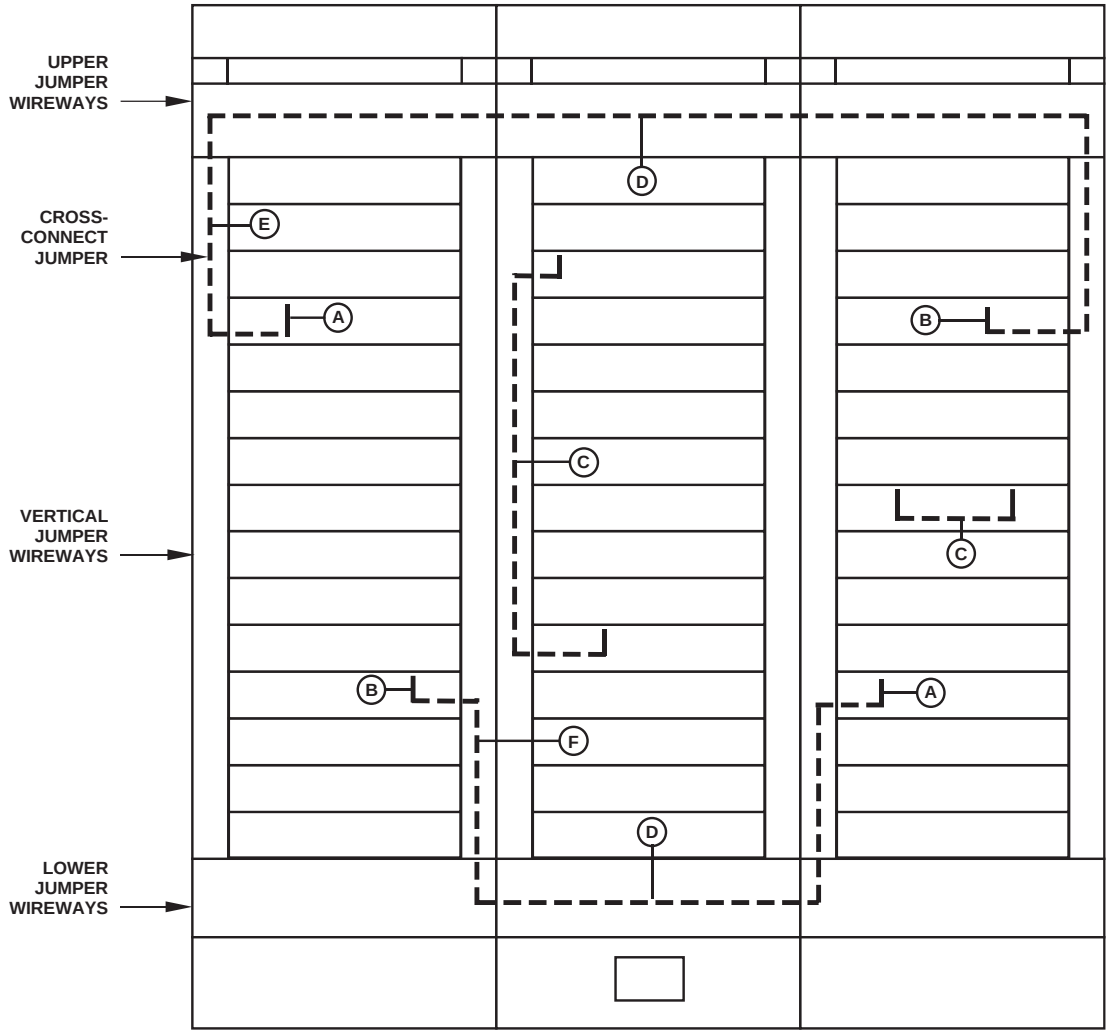
B. All jumpers in the right-hand side of the cross-connect field should enter and leave the bay from the right vertical wireways.

C. All intrabay cross-connects should use the vertical rings except when terminations are in the same panel.

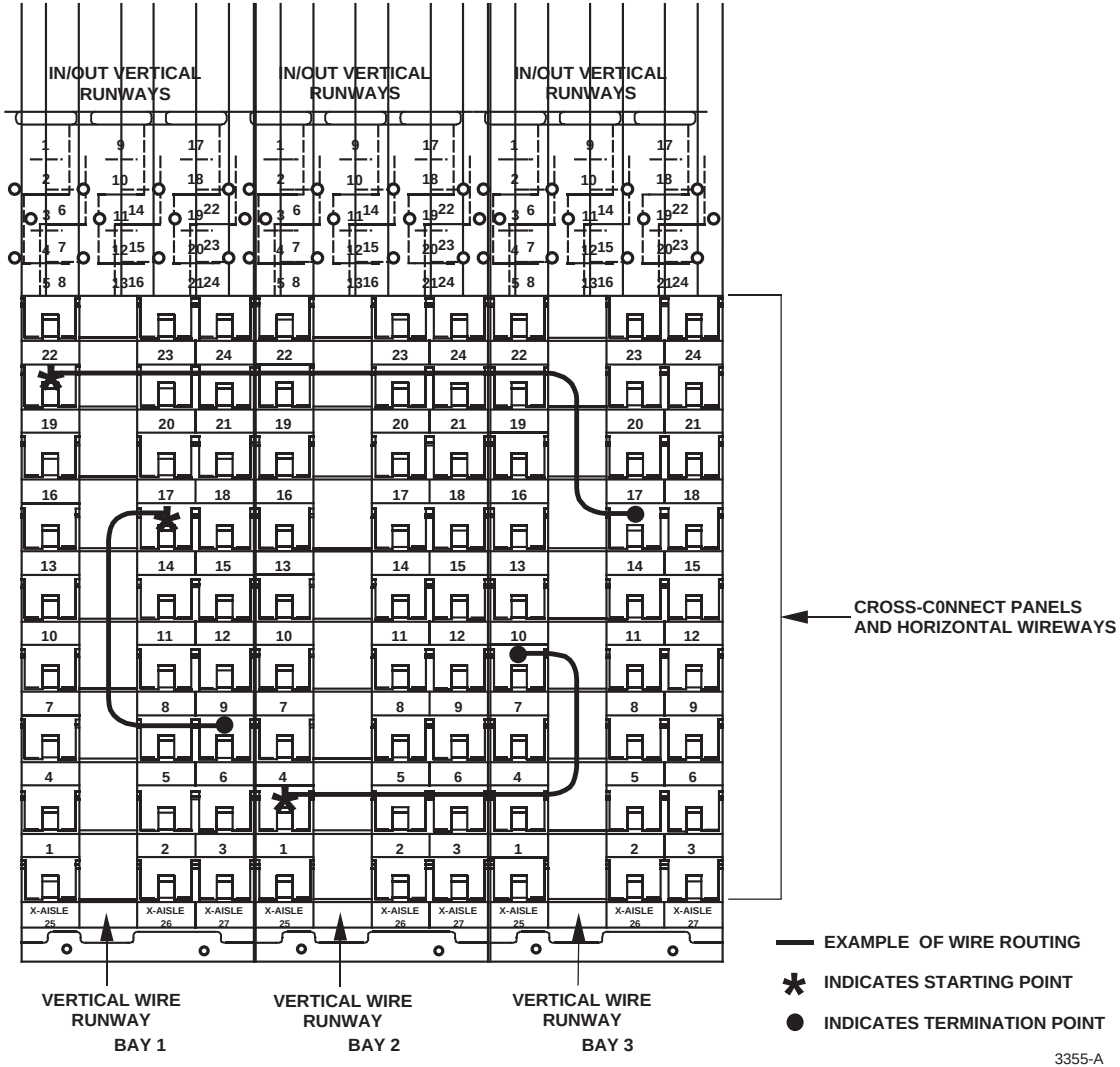
D. All interbay cross-connects should use the horizontal wireways.

E. All jumpers originating in the upper half of the cross-connect field should route via the upper horizontal wireways.

F. All jumpers originating in the lower half of the cross-connect field should route via the lower horizontal wireways.



RECOMMENDED CROSS-CONNECT ROUTING (EXCLUDING SUPER HIGH DENSITY)

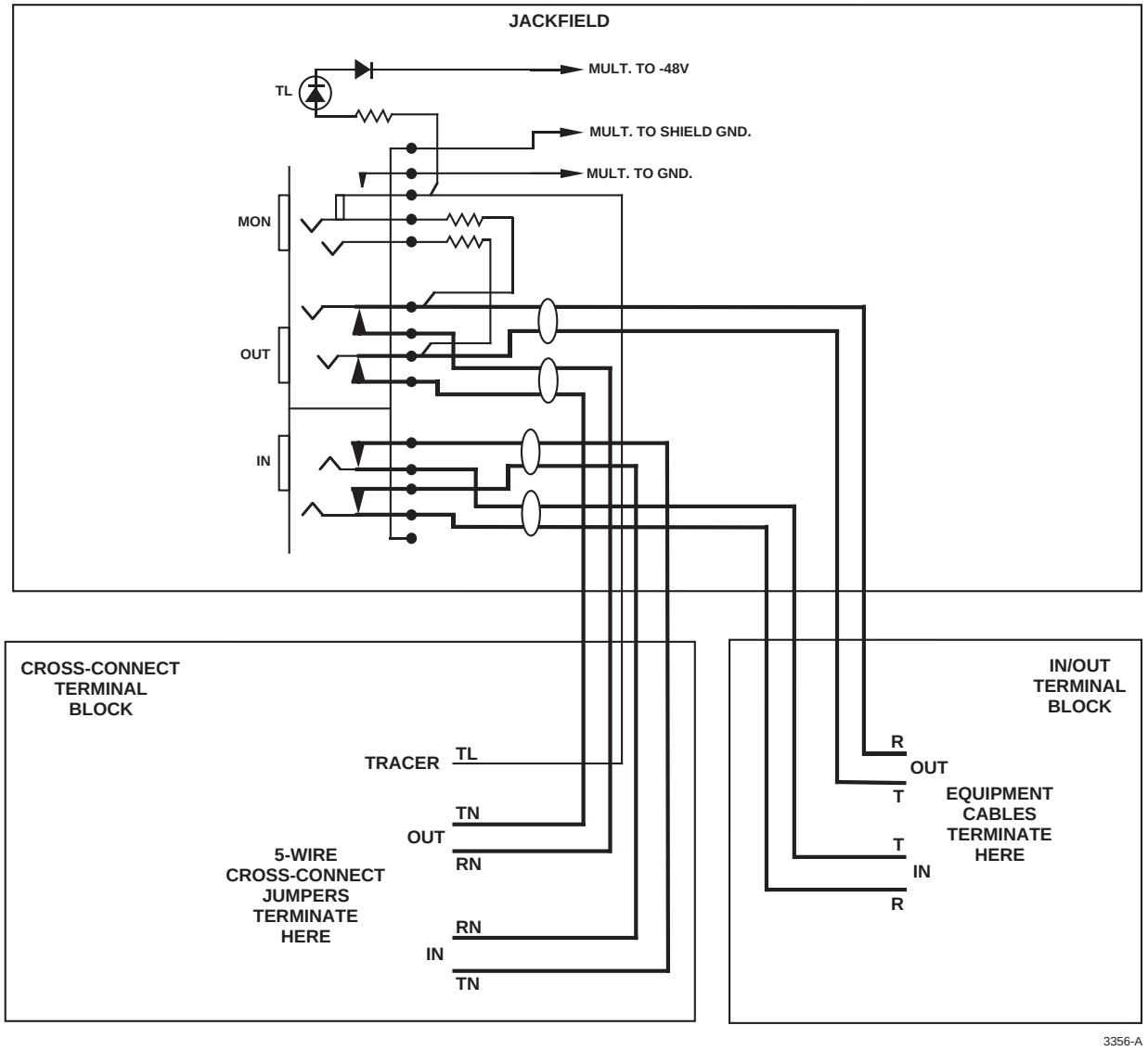


Step 1. Route cross connects from the originating point along the same horizontal wireway to the vertical wireway nearest the terminating point.

Step 2. Route cross connects vertically behind the horizontal wireways to the terminating point.

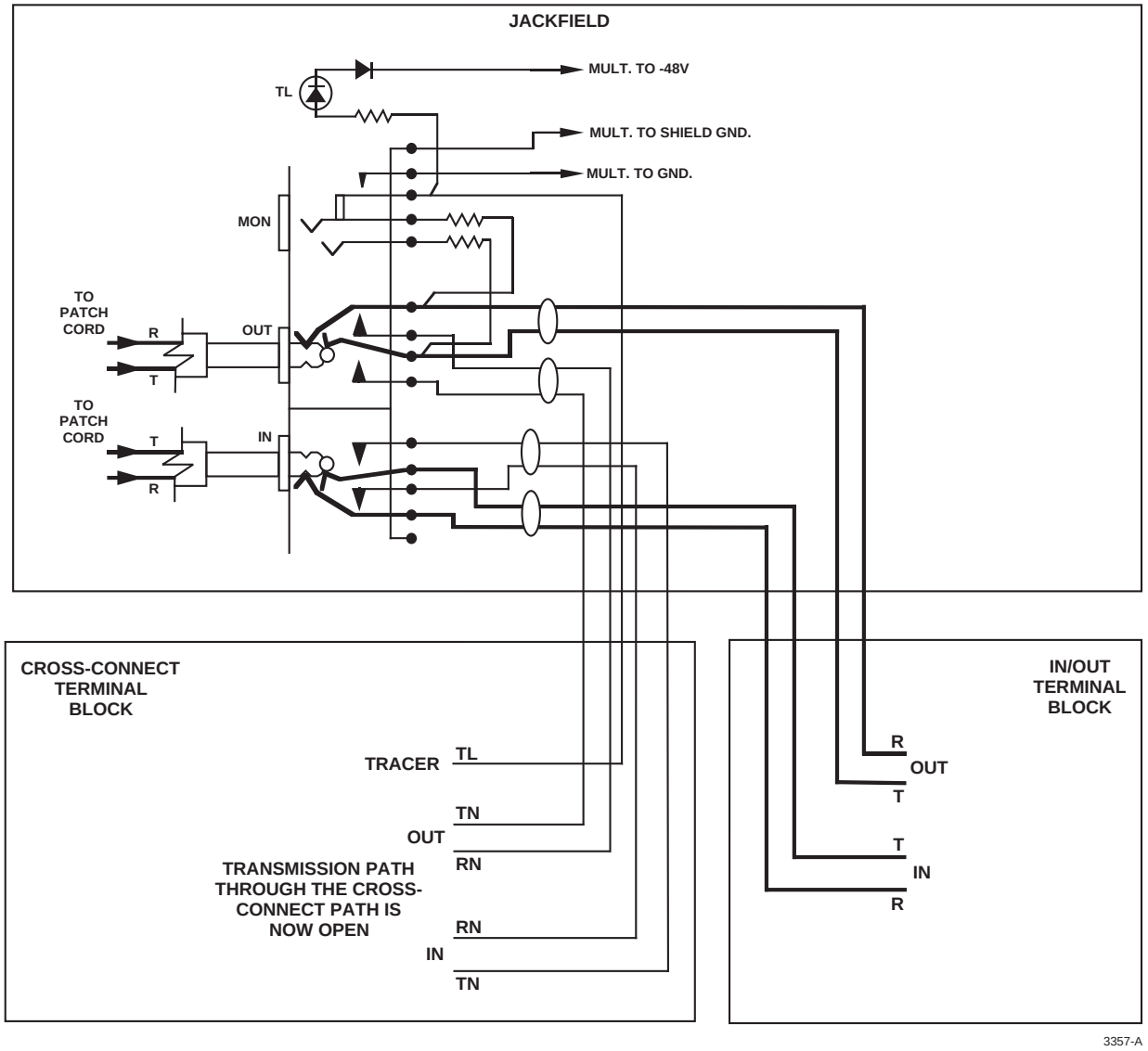
RECOMMENDED CROSS-CONNECT ROUTING (SUPER HIGH DENSITY)

DSX-1 Jack Schematic



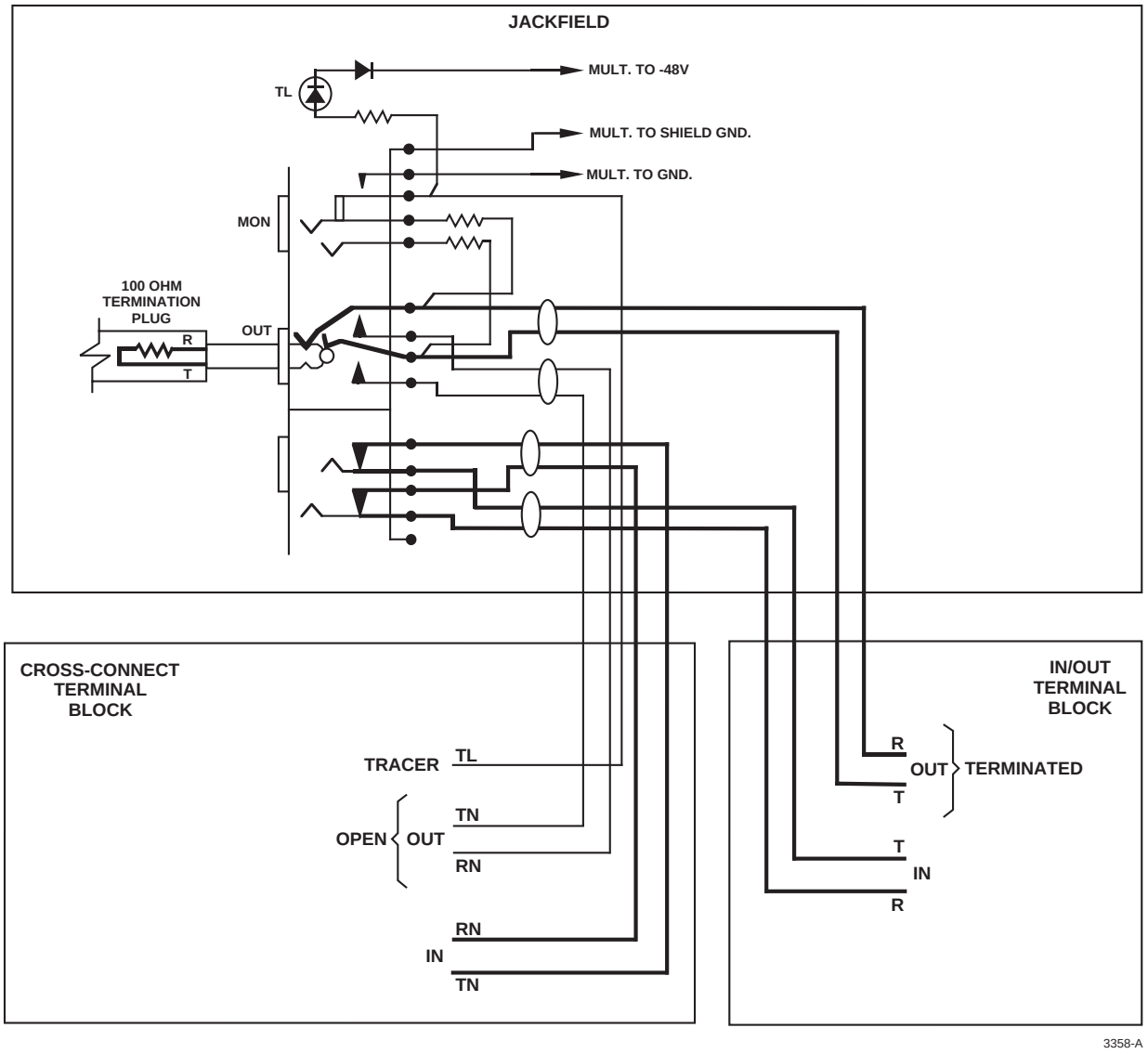
TRANSMISSION PATH – NORMAL

DSX-1 Jack Schematic



TRANSMISSION PATH – PATCHED

DSX-1 Jack Schematic



TRANSMISSION PATH – TERMINATED

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