MIDWEST GUARDRAIL SYSTEM WITH WOOD POST AND BLOCKS

RAIL ELEMENT SPLICE DETAIL

a) Connect the overlapped end of the rail elements with 1/2" x 1/2" button head bolts with recessed nuts. The recess of hex nut points toward rail element. A total of 8 bolts and nuts are to be used at each rail splice connection.

b) The ends of the rail elements are to be overlapped in the direction of traffic (see details).

c) Where end cap is to be attached to the end of a rail element, a total of 4 of the above described splice bolts and nuts are to be used.

NOTES:

1. For details of steel post installations, see Revised Standard Plan RSP A77L1.
2. For details of standard hardware used to construct MGS, see Standard Plan A77N1.
3. For details of wood posts and wood blocks used to construct MGS, see Revised Standard Plan RSP A77N1.
4. For additional installation details, see Standard Plan A77N1.
5. Where end cap is to be attached to the end of a rail element, a total of 4 of the above described splice bolts and nuts are to be used at each rail splice connection.
6. For MGS typical layouts, see the A77P, A77Q and A77R Series of Standard Plans.
7. If railing is connected to terminal system end treatment, use 37° terminal system end treatment.
8. For MGS end anchor details, see Standard Plan A77S1 and A77T1.
9. Slotted hole for bolted connection of rail element to block.
10. Slotted holes for splice bolts to overlap ends of rail element.
11. Additional hole in uppermost portion of line post is for potential future adjustments of railing height.
12. For additional installation details, see Standard Plan A77U1, A77U2 and A77V1.
13. Additional hole in uppermost portion of line post is for potential future adjustments of railing height.
14. 6" x 12" x 1'-2" block must be used with 6" dike.