ELEVATION

MIDWEST GUARDRAIL SYSTEM WITH STEEL POSTS
AND NOTCHED WOOD OR NOTCHED RECYCLED PLASTIC BLOCKS

RAIL ELEMENT SPlice DETAIL

a) Connect the overlapped end of the rail elements with
1/2" x 1/2" button head bolt with metric shoulder splice bolts
inserted into the 3/8" x 1/2" slots and bolted together
with 3/8" recessed hex nuts. Recess of hex nut points
shoulder surface toward rail element. A total of 4 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 gap 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 wood post installations, see Revised Standard Plan RSP A77L1.
2. For details of standard hardware used to construct MGS, see Revised Standard Plan RSP A77N1.
3. For details of steel posts and notched wood blocks used to construct MGS, see Revised Standard Plan RSP A77N2.
4. For additional installation details, see Revised Standard Plan RSP A77N3.
5. MGS post spacing to be 6'-3" center to center, except as otherwise noted.
6. For MGS typical layouts, see the A77P, A77Q and A77R Series of Standard Plans.
7. MGS rail is connected as terminal system and treatment, use 31" height terminal system and treatment.
8. For MGS end anchor details, see Revised Standard Plans RSP A77S1 and RSP A77T2.
9. For details of MGS transition to bridge railing, see Revised Standard Plan RSP A77U4.
10. For additional details of MGS connection to bridge railings, see Revised Standard Plans RSP A77U1, RSP A77U2 and RSP A77V1.
11. For MGS vertical and MGS deflection details, see Revised Standard Plan RSP A77S1, RSP A77T1 and RSP A77T2.
13. Slotted holes for bolted connection of rail element to block.
14. Slotted holes for splice bolts to overlap ends of rail element.
15. 6" x 12" x 1'-2" block must be used with 6" dike.