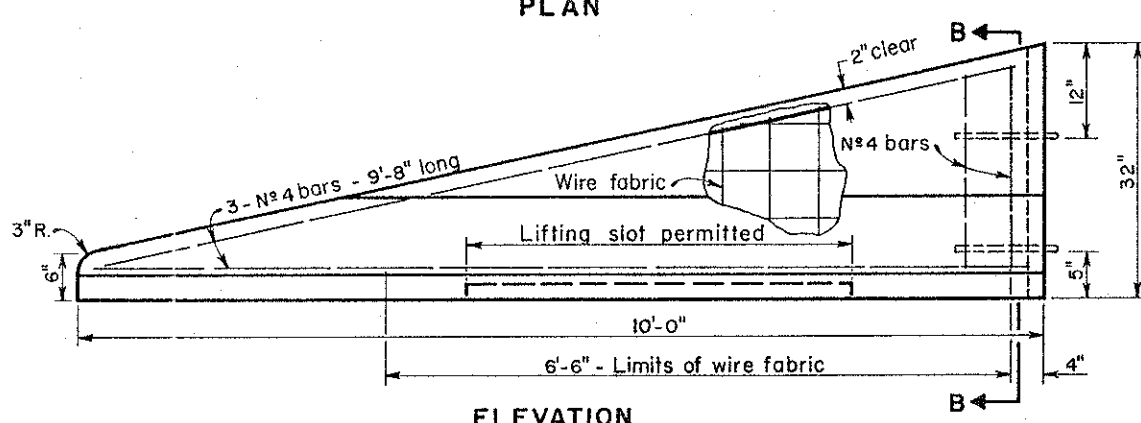
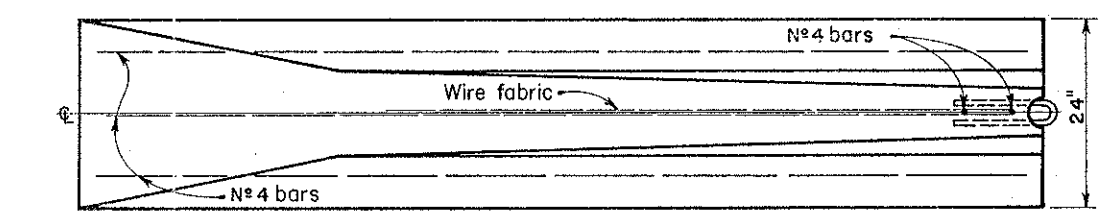
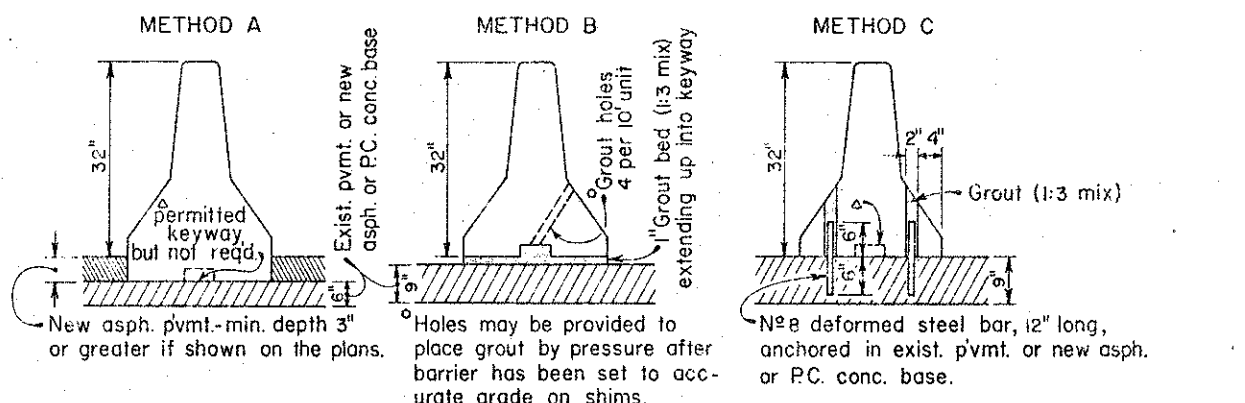


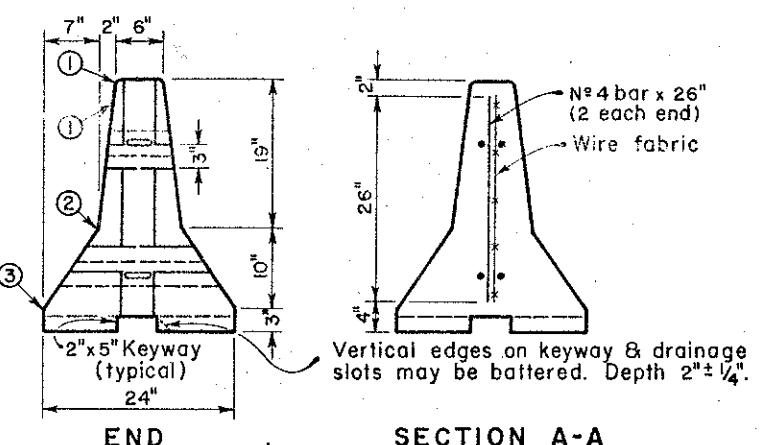
BARRIER DETAIL (Connecting pin design)



TEMPORARY END TERMINAL DETAIL

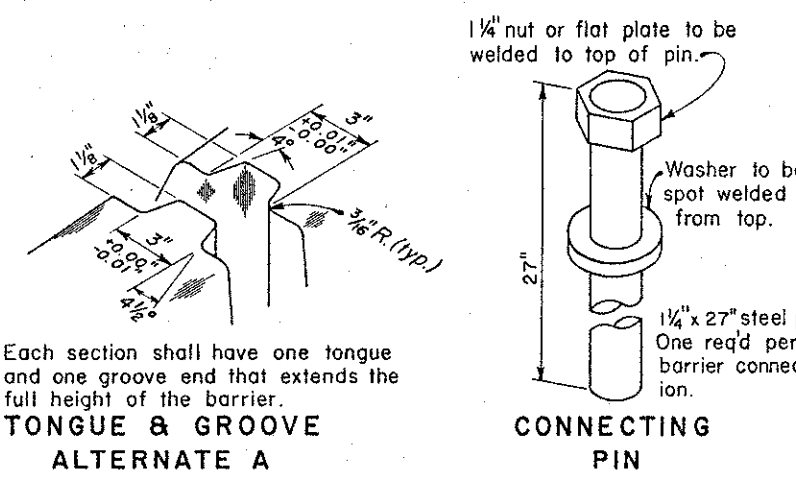
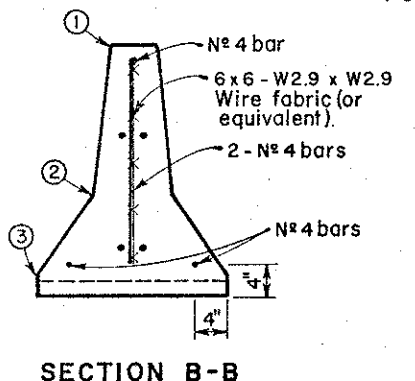
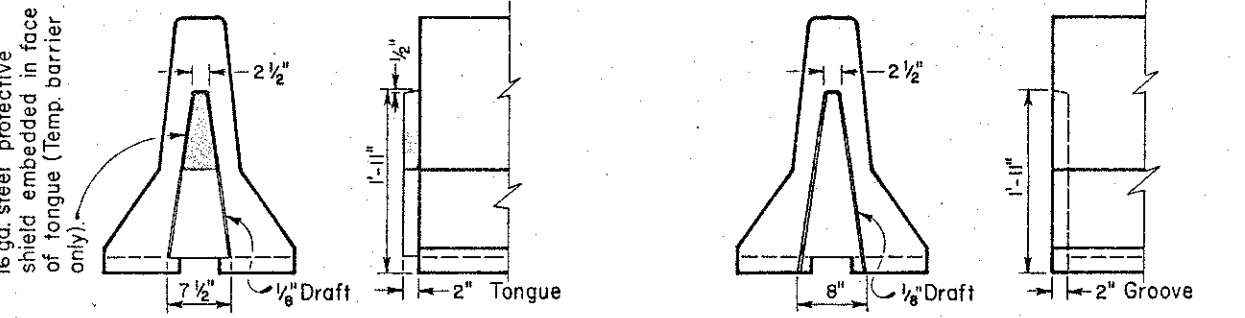
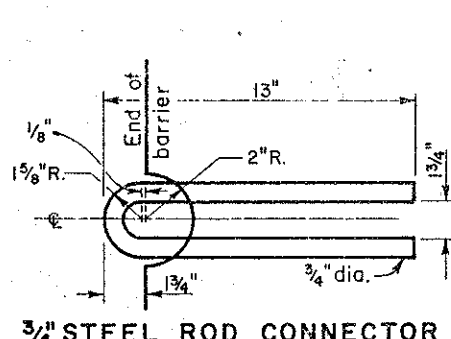


PERMANENT INSTALLATIONS



LEGEND

- ① 1" Radius or 3/4" Chamfer, all top and end corners.
- ② Permissible 10" radius
- ③ Permissible 1" radius



TONGUE & GROOVE ALTERNATE A

NOTES

CONCRETE shall meet the requirements of 706.13 with 4000 psi at 28 days and 6 ± 2% air void content.

REINFORCING bars, wire fabric, keyway and drainage slot, as shown on the connecting pin design, shall be the same for the tongue and groove designs, except the four N#4 bars may be deleted.

CONNECTING PIN, steel rod connector and steel protective shield shall meet the requirements of 711.01 and be galvanized after fabrication per 711.02.

TONGUE & GROOVE Alternate B sections shall have the same configuration on both ends, either both tongues or both grooves and installed with a tongue and groove at each connection. PERMANENT INSTALLATION of all types of precast barrier is permitted by anchoring according to Methods A, B or C. The permanent precast barrier shall be cast without the drainage slot. For these installations, a one piece, 20' long end terminal shall be used, with reinforcement similar to that shown for the 10' temporary end terminal, if an impact attenuator end treatment is not specified elsewhere on the plans.

TEMPORARY PRECAST BARRIER may be constructed without reinforcement. However, the contractor must be responsible for the condition of the barrier, any broken or cracked sections will be rejected.

HANDLING DEVICES may be used in lieu of the lifting slot for moving the barrier. They may be of any design sufficient to handle the weight of the section being lifted. No protruding handling device shall remain on permanent installations.

At locations where lateral movement can not be tolerated (such as bridge deck edge) the barrier shall be stabilized by using a one to three foot wide by one inch thick layer of asphalt concrete on the opposite side of the barrier from traffic. Other methods of lateral support may be used as approved by the Engineer.

FLUSH JOINTS (no protruding tongue or steel rod) may be used between permanent precast barrier and inlets, sign or light pole foundations or pier transitions. A cast-in-place section between a precast run and inlets, etc. must be at least 10 feet long.

BUREAU OF LOCATION AND DESIGN OHIO DEPARTMENT OF TRANSPORTATION	
PRECAST CONCRETE BARRIER	
STANDARD CONSTRUCTION DRAWING	MC-9A
APPROVED <i>[Signature]</i> ENGR., L. & D.	
DATE 4-1-80 5-1-81	