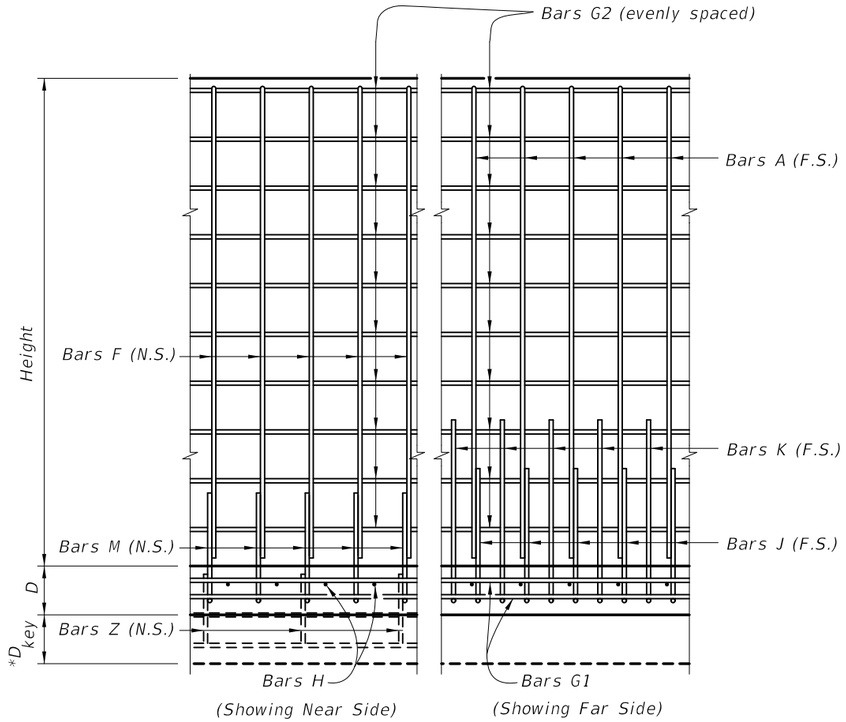
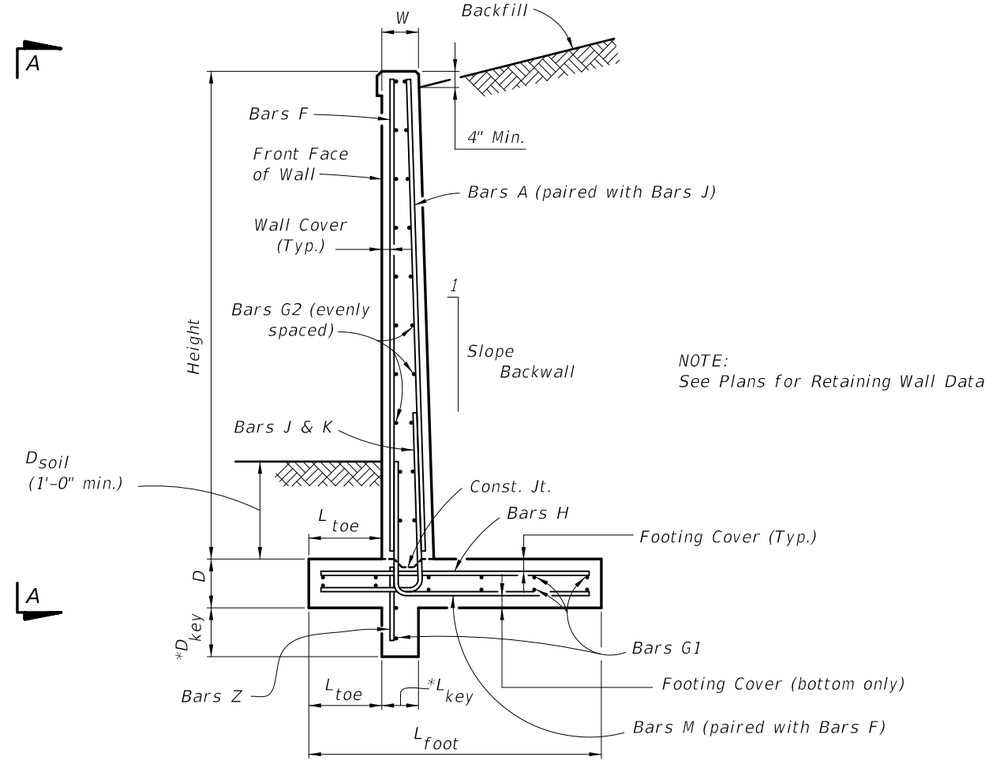


VIEW A-A

(Shear key shown dashed)



* Shear Key is required only when specified by the Engineer

TYPICAL SECTION

NOTES

DESIGN SPECIFICATIONS:
Design according to FDOT Structures Manual (current edition).

MATERIALS:
All reinforcing steel shall conform to ASTM A615 Grade 60.

SURFACE FINISH:
A Class 5 Applied Finish Coating shall be applied to the top of the wall and the exposed face above ground line.

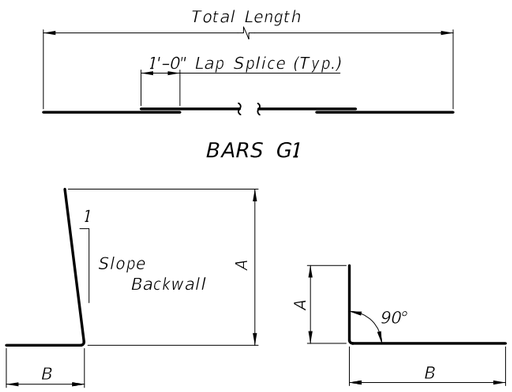
ARCHITECTURAL SURFACE TEXTURES:
Alternate Architectural Surface Textures may be substituted for the Striated Pattern shown when approved by the Engineer. Concrete required for Architectural Surface Textures is not included in the quantities.

TRAFFIC RAILING BARRIER:
If there is a Traffic Railing Barrier on the wall, Wall Joints and Barrier V-Grooves shall align and Wall Expansion Joints and Barrier Open Joints shall align.

FOUNDATION: Prepare the soil below the footing in accordance with the requirements for spread footings in Specification Section 455.

PAYMENT:
All Retaining Wall costs, including all miscellaneous costs, shall be paid for at the unit contract price for either Class II, III or IV Concrete (Retaining Walls) (CY) and Reinforcing Steel (Retaining Walls) (LBS). Retaining Wall quantities shall not include concrete nor reinforcing steel for Traffic Railings/Junction Slab. Traffic Railing/Junction Slab shall be paid for under Concrete Traffic Railing Barrier with Junction Slab.

BENDING DIAGRAM



NOTE:
All bar dimensions are out-to-out

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
01/01/11	GJM	New Index No. & Title (Previously Index 5100); Added Shear Key to VIEW A-A; Changed "Architectural Treatment" to "Architectural Surface Textures" in Notes.			

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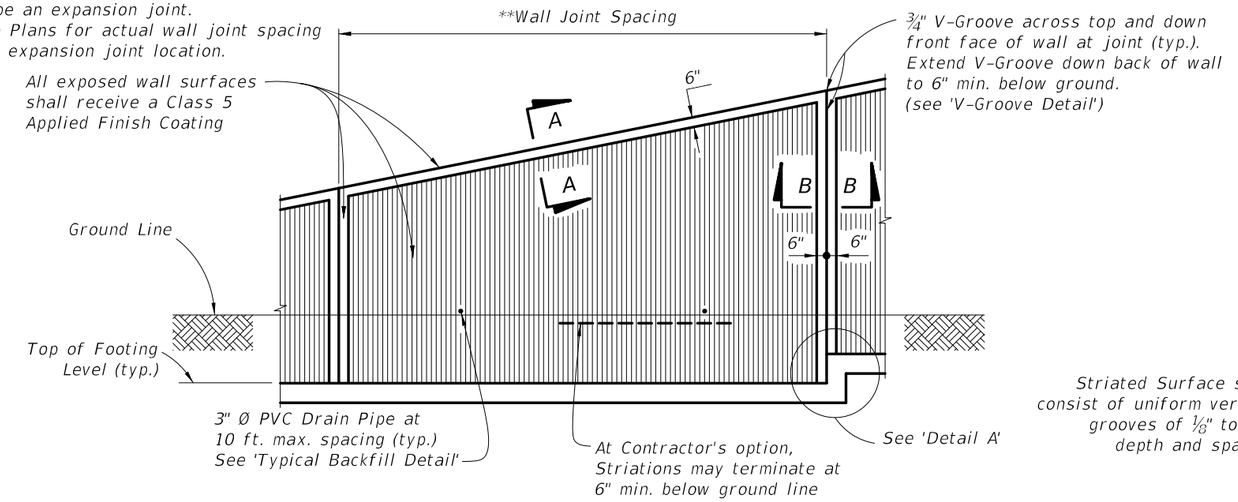
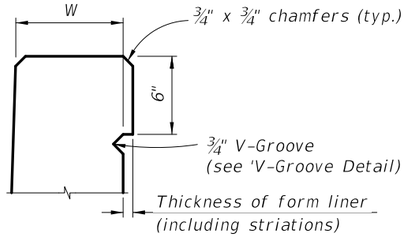
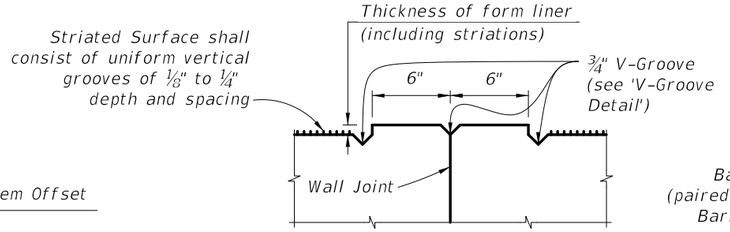
**Wall joint spacing 25 ft. maximum.
At minimum, every fourth wall joint to be an expansion joint.
See Plans for actual wall joint spacing and expansion joint location.



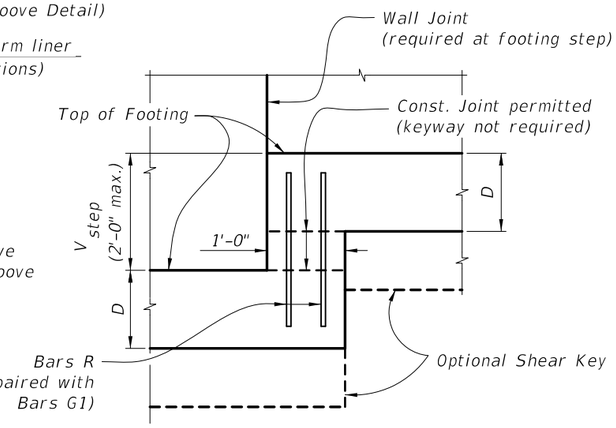
FRONT ELEVATION



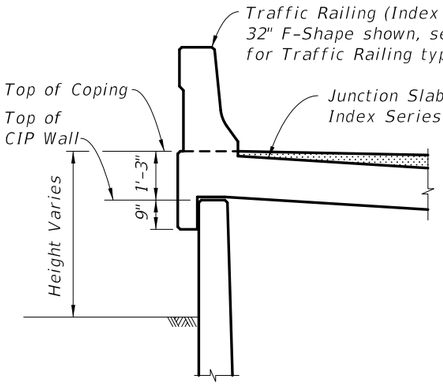
SECTION A-A



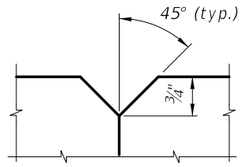
SECTION B-B



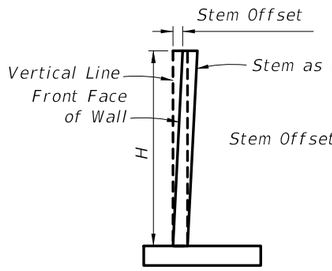
DETAIL A



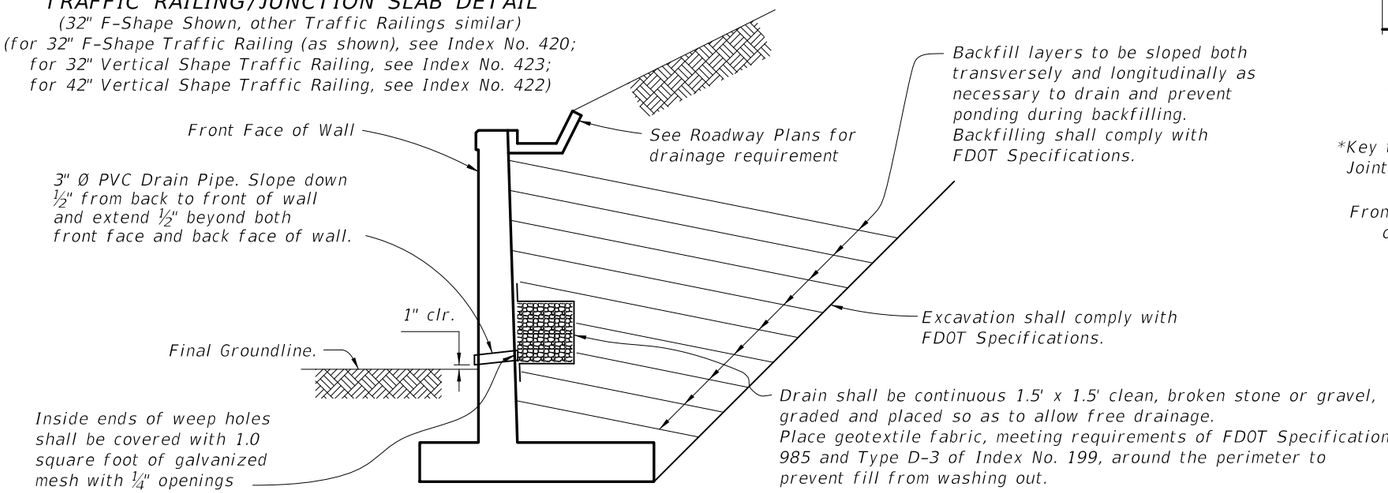
TRAFFIC RAILING/JUNCTION SLAB DETAIL
(32" F-Shape Shown, other Traffic Railings similar)
(for 32" F-Shape Traffic Railing (as shown), see Index No. 420;
for 32" Vertical Shape Traffic Railing, see Index No. 423;
for 42" Vertical Shape Traffic Railing, see Index No. 422)



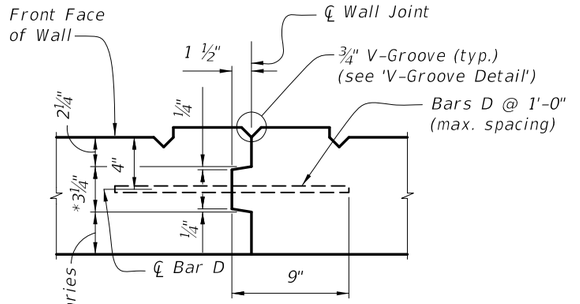
V-GROOVE DETAIL



STEM OFFSET VALUES
(for H < 20 ft.)

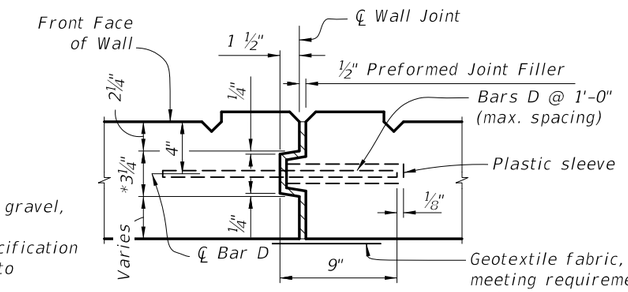


TYPICAL BACKFILL DETAIL



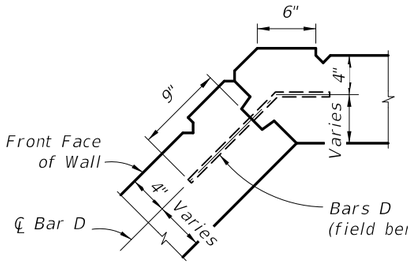
WALL JOINT DETAIL

*Key to stop at top of footing and 6" from top of wall.
Joint across footing and top of wall to be straight line.



EXPANSION JOINT DETAIL

Geotextile fabric, 1'-0" wide and full height of fill, meeting requirements of FDOT Specification 985 and Type D-5 of Index No. 199.
Apply an adhesive approved by the Engineer to the back of wall for attachment of fabric material.



TYPICAL CORNER JOINT DETAIL

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
01/01/11	GJM	New Index Number (Previously Index 5100), Changed Traffic Railing attachment detail.			

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