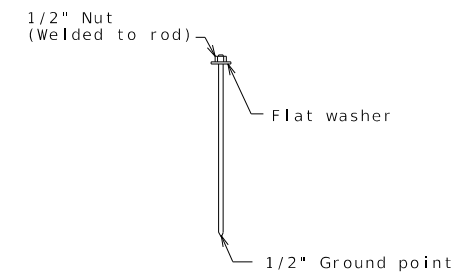
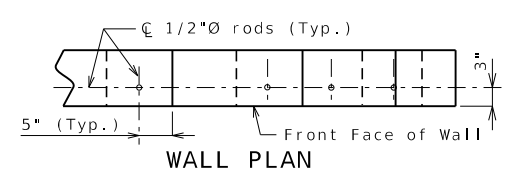
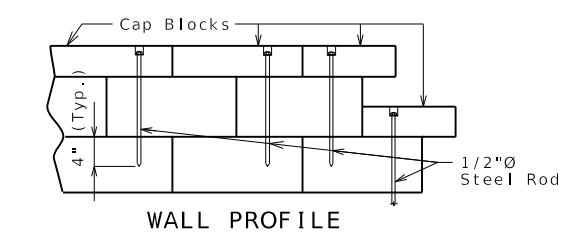


TYPICAL SECTION THRU DRYCAST OR WETCAST MODULAR BLOCK WALL

Note: Upper two layers of soil reinforcement shall be extended 3 feet beyond the lower layers when wall height is greater than 10 feet. ③

- Standard Drawing Guidance (do not show on plans):
 Revise notes and details per project as necessary.
 See EPG 751.24.2.1 for drainage guidance.
- ① Show the minimum embedment = maximum (2 feet; embedment based on Geotechnical Report and global stability requirements; and FHWA-NHI-10-024, Table 2-2); or according to Geotechnical Report if it shows that rock is known to exist.
 - ② District Design Division to verify 6" diameter pipe or increase diameter. Minimum pipe diameter shall be 6".
 - ③ Use for MSE Walls in seismic design categories B, C & D (seismic zones 2, 3 & 4)



DETAILS OF 1/2" THREADED ROD OR REINFORCING ROD

Notes for Drycast or Wetcast Modular Block Walls:

(1) Topmost layer of reinforcement shall be fully covered with select granular backfill for structural systems, as approved by the wall manufacturer, before placement of the Separation Geotextile.

(2) Minimum ② diameter perforated PVC or PE pipe.

Manufacturer shall show drain details on design plans to be submitted as shown on MoDOT MSE wall plans and/or roadway plans.

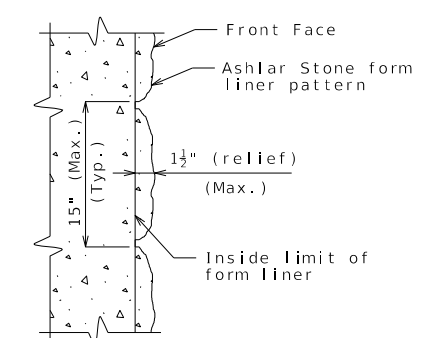
Contractor shall modify the drain details as shown if it will improve flow as may be the case for stepped leveling pad, and for an uneven ground line (approval of the engineer required).

Holes shall be 5/8-inch round and extended 4 inches into the third layer of blocks, recessed 2 inches deep by 1 1/2 inches round.

Rods or reinforcing bars shall be secured by an approved resin anchor system in accordance with Sec 1039.

Recess hole shall be backfilled with non-shrink cement grout.

Permanent shims will be sparingly allowed to maintain horizontal and vertical control. The preferable shim shall be made of a plastic material that will not rust, stain, rot or leach onto the concrete and has a minimum compressive strength equal to block wall unit. Steel or wood shims will not be allowed. Shims shall not exceed 3/16 inch in thickness and shall distribute load in order to not induce stress into block wall units. No shim shall be used between the concrete leveling pad and the base course of the block wall.



FORM LINER DETAIL (PRECAST MODULAR PANEL WALL)

Notes for Form Liners:

The cost of form liners for MSE wall systems, complete in place, will be considered completely covered by the contract unit price for Mechanically Stabilized Earth Wall System.

Form liner shall be constructed in accordance with Special Provisions.

The following is a list of form liner manufacturers and types which may be used. Depth of relief for all form liner patterns shall vary up to 1 1/2". The height of any single 'stone' shall be 15" maximum.

- Scott System, Inc.: Form liner pattern #167 "Ashlar Stone"
- Fitzgerald Formliners: Form liner pattern #16986 "Ashlar Stone"
- Greenstreak: Form liner pattern #330 "Ashlar Stone"
- Spec Formliners: Form liner pattern #1515 "Ashlar Stone"
- Customrock: Form liner pattern #12020 "Tollway Ashlar"
- An approved equal

DRYCAST OR WETCAST MODULAR BLOCK WALL

DETAILS FOR GENERIC MSE WALL

Detailed
Checked

Note: This drawing is not to scale. Follow dimensions.

Sheet No. of

DESCRIPTION	DATE PREPARED	7/26/2024
	ROUTE	STATE
	DISTRICT	SHEET NO.
	BR	000
	COUNTY	
JOB NO.		
CONTRACT ID.		
PROJECT NO.		
BRIDGE NO.		
DATE		
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION		
		105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)