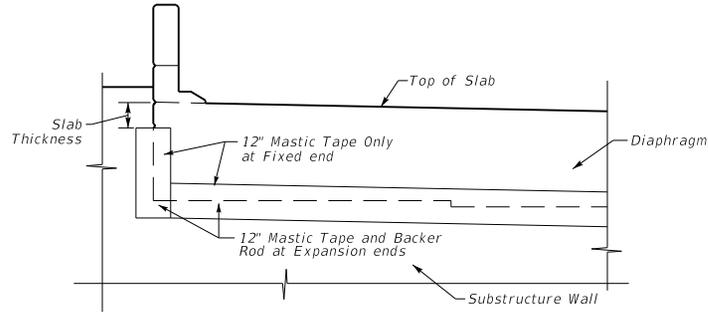
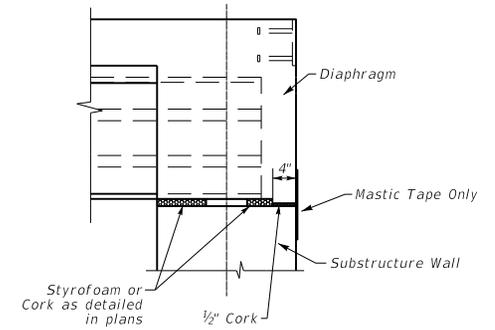


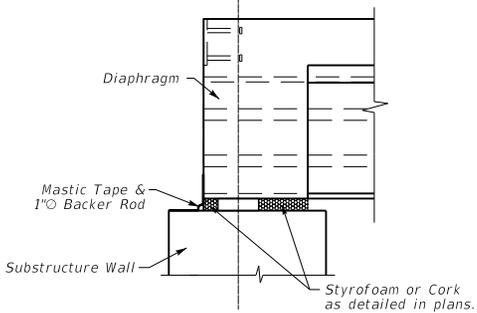
**EXPANSION END**  
(Flush Diaphragm and Substructure)



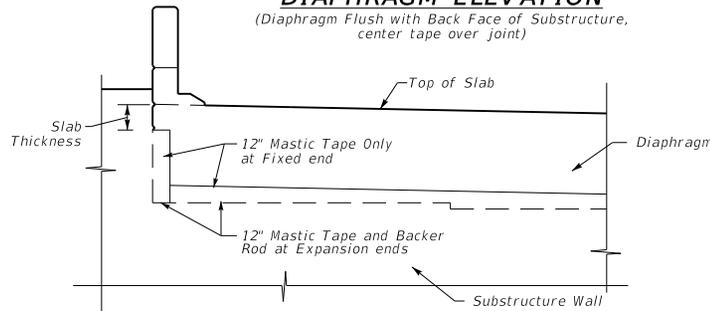
**DIAPHRAGM ELEVATION**  
(Diaphragm Flush with Back Face of Substructure, center tape over joint)



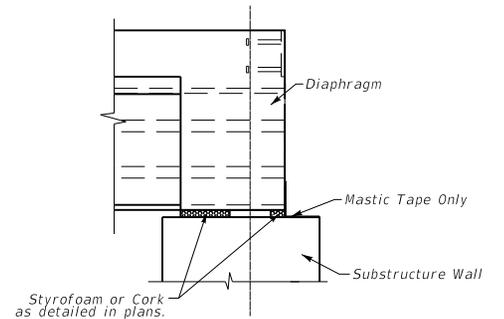
**FIXED END**  
(Flush Diaphragm and Substructure)



**EXPANSION END**  
(Offset Diaphragm and Substructure)



**DIAPHRAGM ELEVATION**  
(Offset Diaphragm and Substructure)

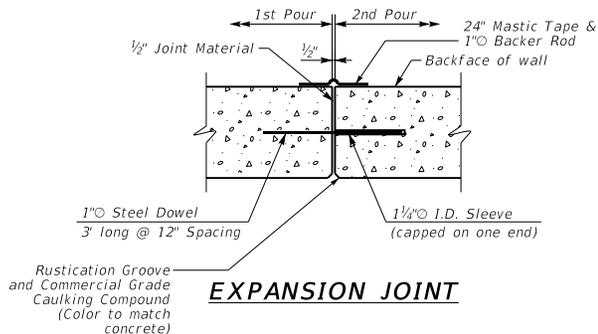


**FIXED END**  
(Offset Diaphragm and Substructure)

**MASTIC TAPE APPLICATION AT BRIDGE ENDS**

The cost of labor, materials, and incidental items for furnishing and installing Mastic Tape shall be considered incidental to the unit price bid for Concrete Class 'AA' and no separate measurement or payment shall be made.

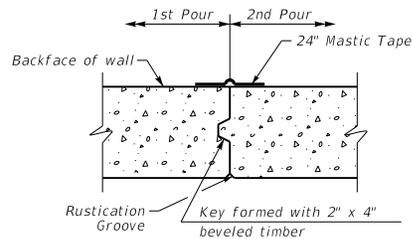
Note: Center Mastic Tape over joint.



**EXPANSION JOINT**

NOTE:  
Maintain 2 inch clearance from ends of Longitudinal reinforcement to edge of expansion joint.

**MASTIC TAPE APPLICATION AT RETAINING WALLS**



**CONTRACTION JOINT**

**GENERAL NOTES**

MASTIC TAPE: Mastic Tape used to seal joints is to meet the requirements of ASTM C-877 Type I, II, or III. The joint is to be covered with 12-inch wide mastic tape. Prior to application, the joint surface shall be clean and free of dirt, debris, or deleterious material. Primer, if required by the tape mfr., shall be applied for a minimum width of nine inches on each side of the joint.

Mastic Tape shall be either:

EZ-WRAP RUBBER by PRESS-SEAL GASKET CORPORATION,  
SEAL WRAP by MAR MAC MANUFACTURING CO. INC.,  
CADILLOC by the UP RUBBER CO. INC.  
or approved equal.

Mastic Tape shall cover the joint continuously unless otherwise shown in the plans. Mastic Tape shall be spliced by lapping a minimum of six inches and in accordance with the mfrs. recommendations with the overlap running downhill.

All preformed expansion joint material, caulking, mastic tape, pipe sleeve and equipment and labor necessary to complete the joints are incidental to the square foot bid for Retaining Walls.

KENTUCKY  
DEPARTMENT OF HIGHWAYS

JOINT  
WATERPROOFING

STANDARD DRAWING NO. BGX-022

SUBMITTED: *Bob Adams* 02-26-20  
DIRECTOR DIVISION OF STRUCTURAL DESIGN DATE

APPROVED: *[Signature]* 02-26-20  
STATE REGISTERED ENGINEER DATE