

STATE	FEDERAL AID		STATE		SHEET NO.
	ROUTE	PROJECT	ROUTE	PROJECT	
VA.	—		0000	0000-128-376, B630	4

Notes:

End diaphragms shall be reconstructed at locations directed by the Engineer. See sheet 2 for pay item description for NS Bridge - End Diaphragm Reconstruction.

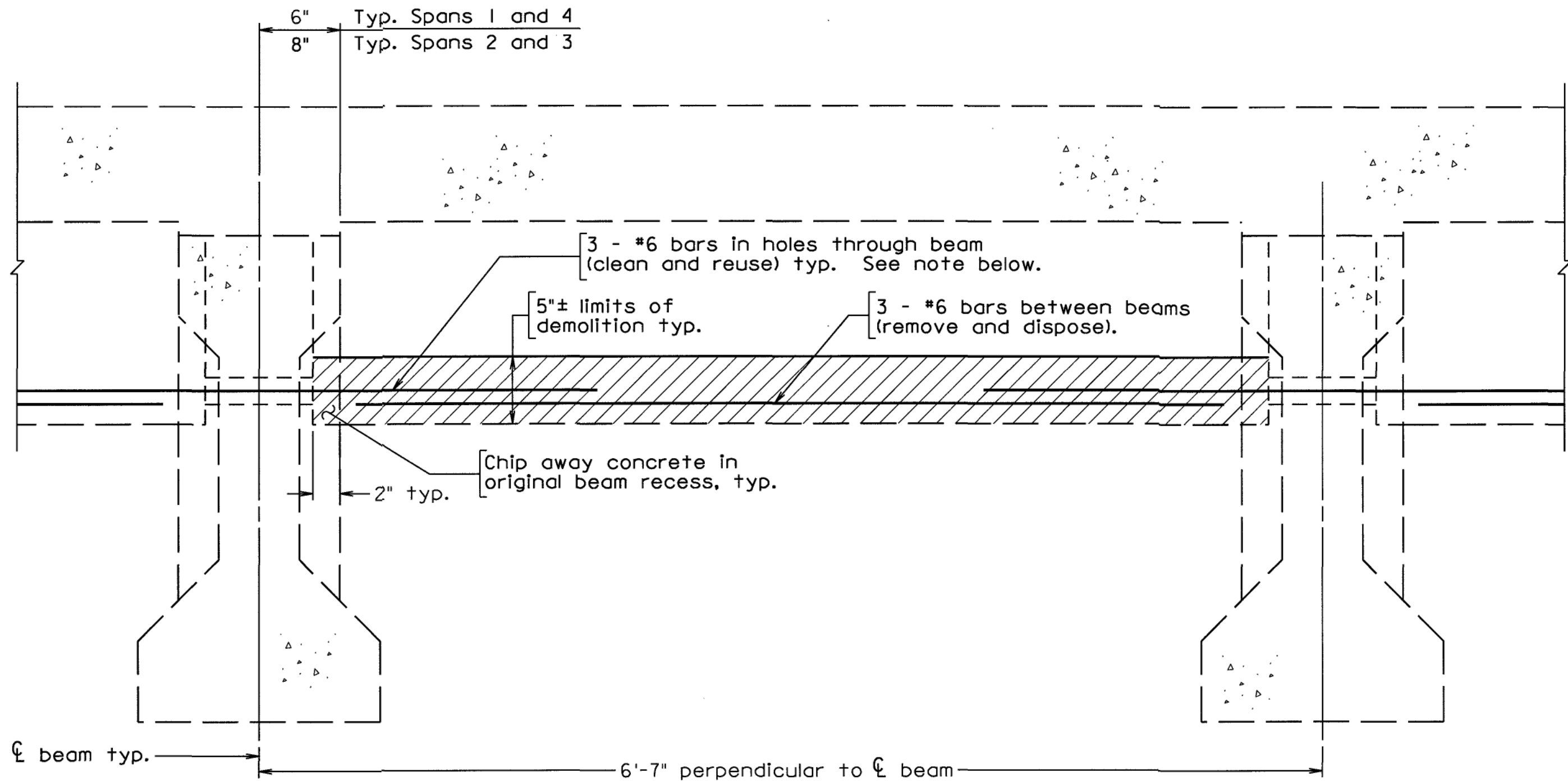
Existing beams have 2" recesses in the beam ends that match the end diaphragm depth. When demolishing the bottoms of the end diaphragms, these areas shall be chipped away to the original shape of the recess.

BD0601 shall be a straight bar 5'-3" in length and shall be Corrosion Resistant Reinforcing, Class I.

BD0602 shall be a straight bar 4'-9" in length and shall be Corrosion Resistant Reinforcing, Class I.

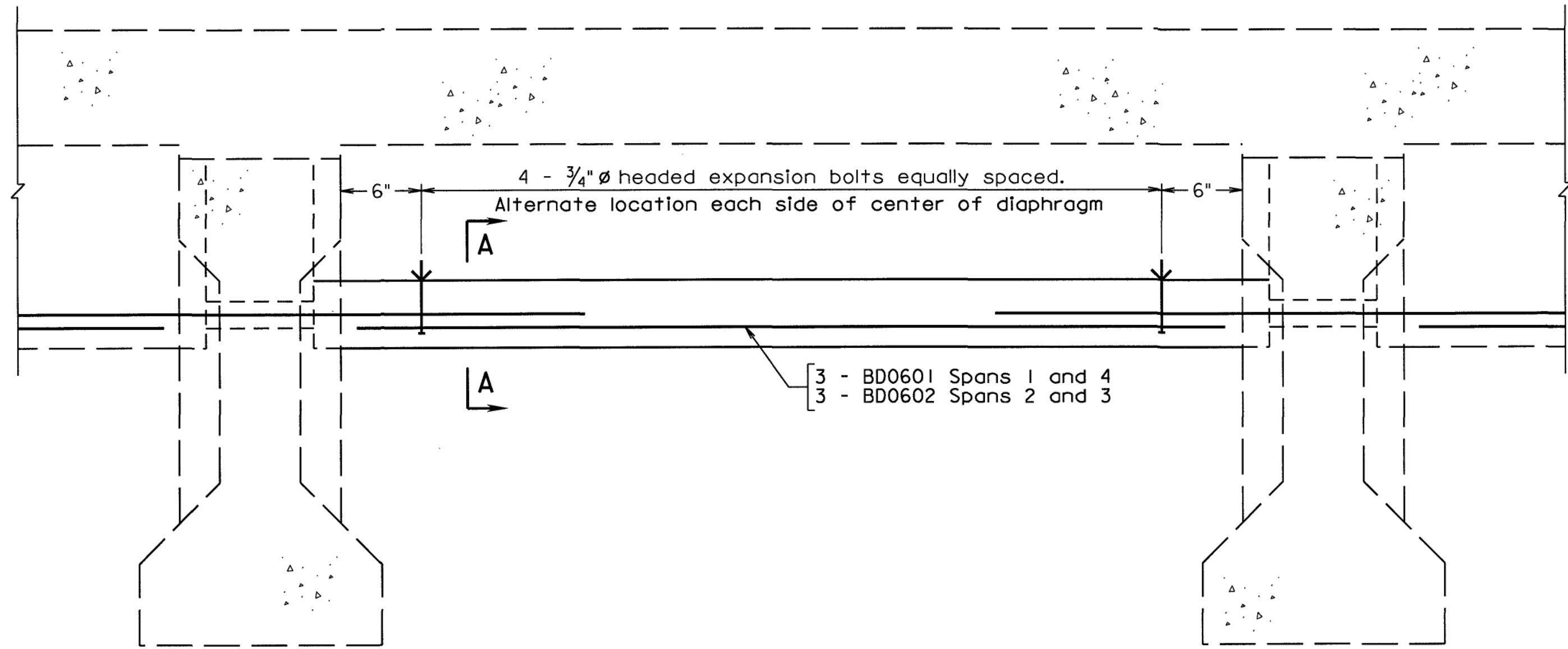
$\frac{3}{4}$ " diameter headed expansion bolts shall be installed in accordance with Sec. 412 of the Specifications and this sheet.

If water line support hangers at the end diaphragms are removed to allow for reconstruction, the hangers shall be cleaned and reinstalled with new embedded anchors and bolts to match the existing. Cost shall be included in price bid for NS Bridge - End Diaphragm Reconstruction.

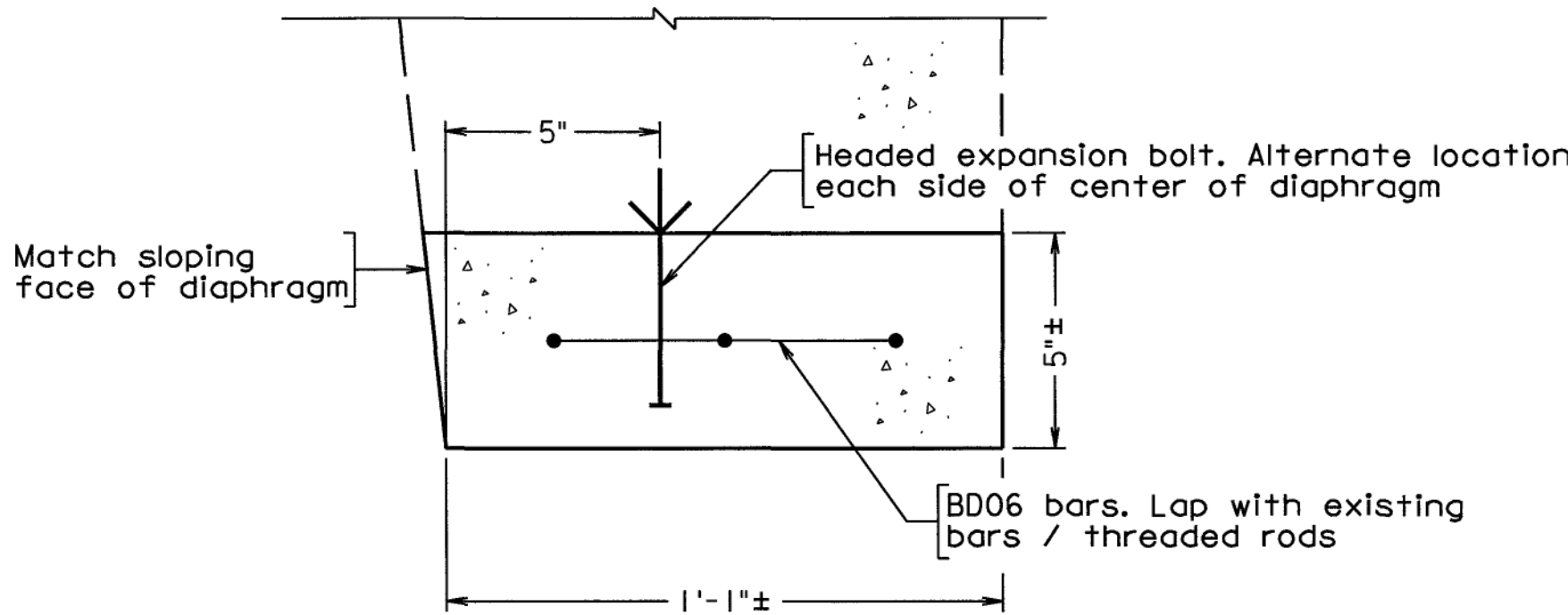


END DIAPHRAGM - DEMOLITION

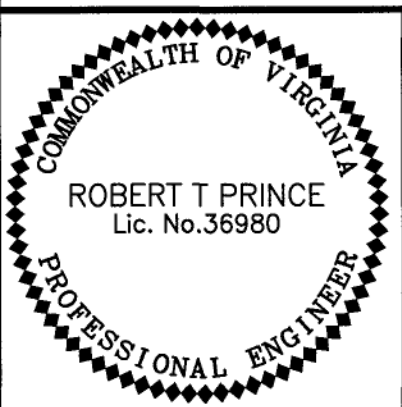
Note:
Exterior beams have $\frac{7}{8}$ " Ø threaded bolts in concrete inserts (clean and reuse).



END DIAPHRAGM - RECONSTRUCTION



SECTION A-A
Not to scale



AECOM TECH. SERV., INC.
ROANOKE, VA
STRUCTURAL ENGINEER

Scale: $1\frac{1}{2}$ " = 1'-0", unless otherwise shown

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COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
STRUCTURE AND BRIDGE DIVISION			
END DIAPHRAGM DETAILS			
No.	Description	Date	Sheet No.
Designed: RTP	Drawn: KSS	July 2015	4 of 10
Checked: DRD			
Revisions			