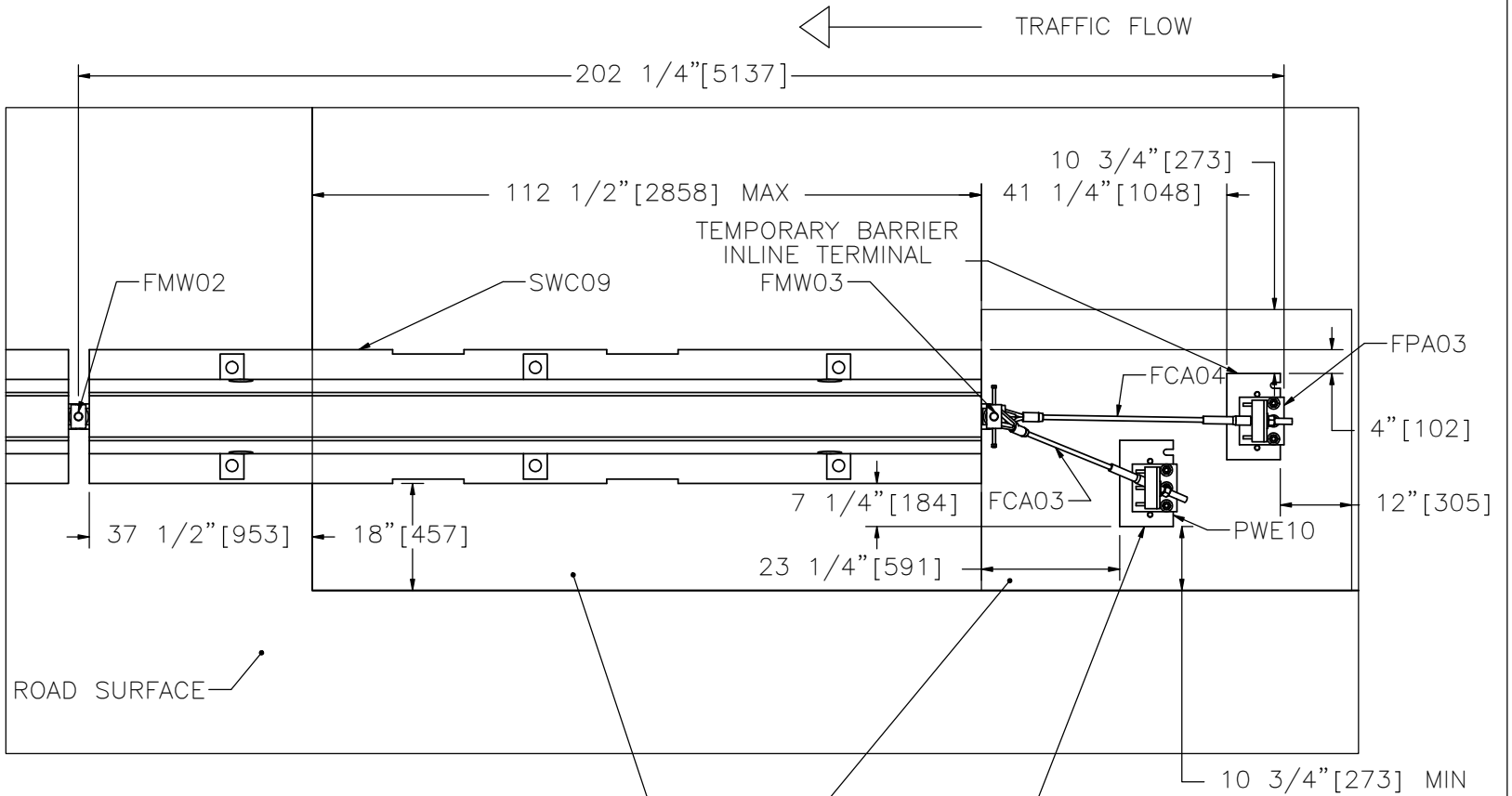




PORTABLE CONCRETE BARRIER TERMINATION



SOIL LEAVE OUT
 (SOIL LEAVE OUT SIZE RELATIVE TO BARRIER PLACEMENT IS SHOWN. MAXIMUM LONGITUDINAL OVERLAP OF END BARRIER ON SOIL IS 112 1/2" [2858] AND MINIMUM LATERAL OFFSET OF END ANCHORAGES FROM ROADWAY SURFACE IS 10 3/4" [273]. LARGER LATERAL OFFSETS ARE ALLOWED. THE MINIMUM LONGITUDINAL LENGTH OF THE SOIL LEAVE OUT IS DOWNSTREAM TO THE END OF THE BARRIER AND 12" [305] UPSTREAM OF THE INLINE ANCHOR POST.)

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INTENDED USE

The Portable Concrete Barrier Termination is intended to be used specifically with SWC09. The termination anchorage provides sufficient constraint to redirect vehicles impacting on the first barrier segment in the system, reduced vertical rotation of the end barrier segment to improve vehicle stability, used previously developed anchorage hardware, and could be attached to either end of the portable barrier segment when placed on the upstream end of the system.

COMPONENTS

Unit Length = 202 1/4" [5137]

DESIGNATOR	COMPONENT	NUMBER
SWC09	Portable F-Shape Concrete Barrier Element	1
FPA03	Cable Anchor Bracket	2
PWE10	Anchor Bracket Base Post	2
FCA03	BCT Cable Anchor Assembly (Offset)	1
FCA04	BCT Cable Anchor Assembly (Inline)	1
FMW03	Portable Concrete Barrier Connector Pin with Retaining Bolt*	1
FMW02	Portable Concrete Barrier Connector Pin	1
FMW04	End Pin Pipe Sleeve	1
FBX20b	3/4" D x 2 1/2" long [19x13] High Strength Structural Hex Bolt and Nut	6
FWC20a	3/4" [19] D Plain Round Washer	12

*FMW03 is only needed for end anchorage. All other connector pins can be FMW02.

ACCEPTANCE

FHWA acceptance letter B-221, May 17, 2011.

REFERENCES

Rosenbaugh, S.K., Bielenberg, R.W., Faller, R.K., Reid, J.D., Rohde, J.R., Sicking, D.L., Lechtenberg, K.A., and Holloway, J.C., *Termination and Anchorage of Temporary Concrete Barriers*, Final Report to Midwest States' Pooled Fund, Transportation Research Report No. TRP-03-209-09, Project No. SPR-3(017), Project Code RFPF-06-02, Midwest Roadside Safety Facility, University of Nebraska-Lincoln, October 29, 2009.

Bielenberg, R.W., Rosenbaugh, S.K., Reid, J.D., Faller, R.K., Lechtenberg, K.A., and Sicking, D.L., *Termination and Transition of Temporary Concrete Barrier*, Paper No. 10-0431, Presented at the Annual Meeting of the Transportation Research Board and Published in the Compendium of Papers CD-ROM, TRB AFB20 Committee on Roadside Safety Design, Transportation Research Board, Washington, D.C., January 2010.

Bielenberg, R.W., Rosenbaugh, S.K., Faller, R.K., Reid, J.D., and Lechtenberg, K.A. (2011): *Termination and Anchorage of Temporary Concrete Barrier*, Journal of Transportation Safety and Security, 3:3, 189-206.

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PORTABLE CONCRETE BARRIER TERMINATION

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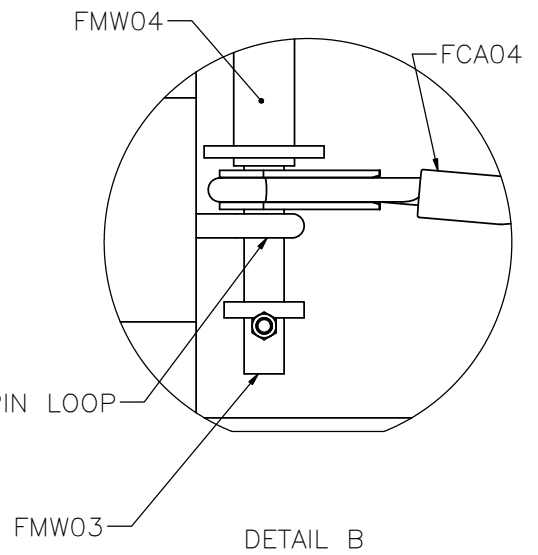
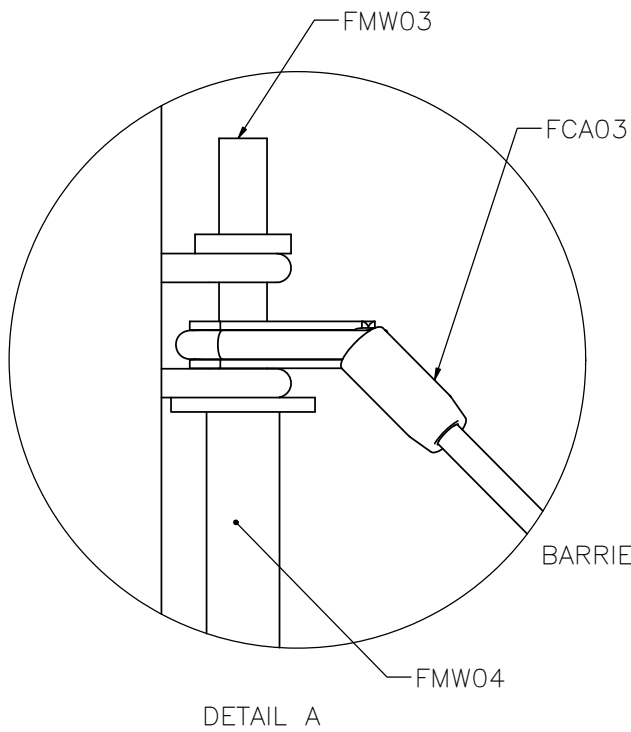
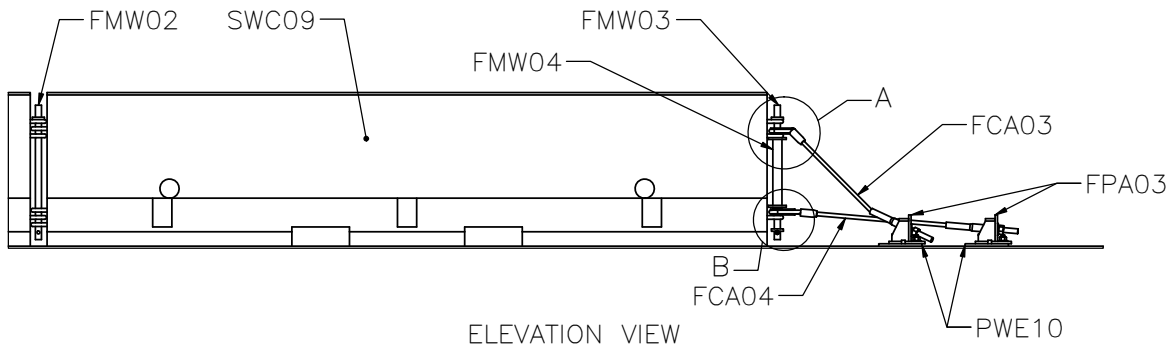


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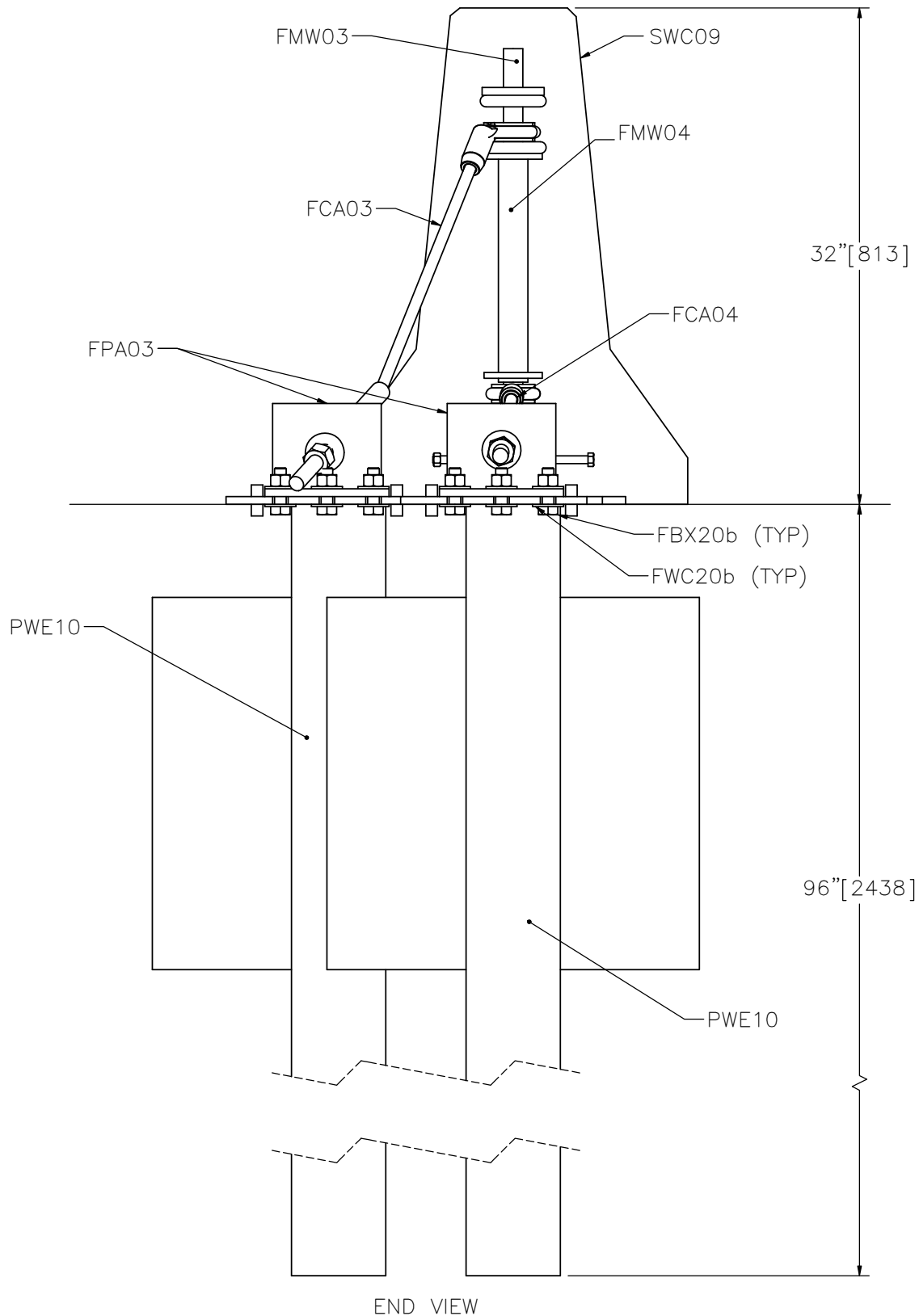
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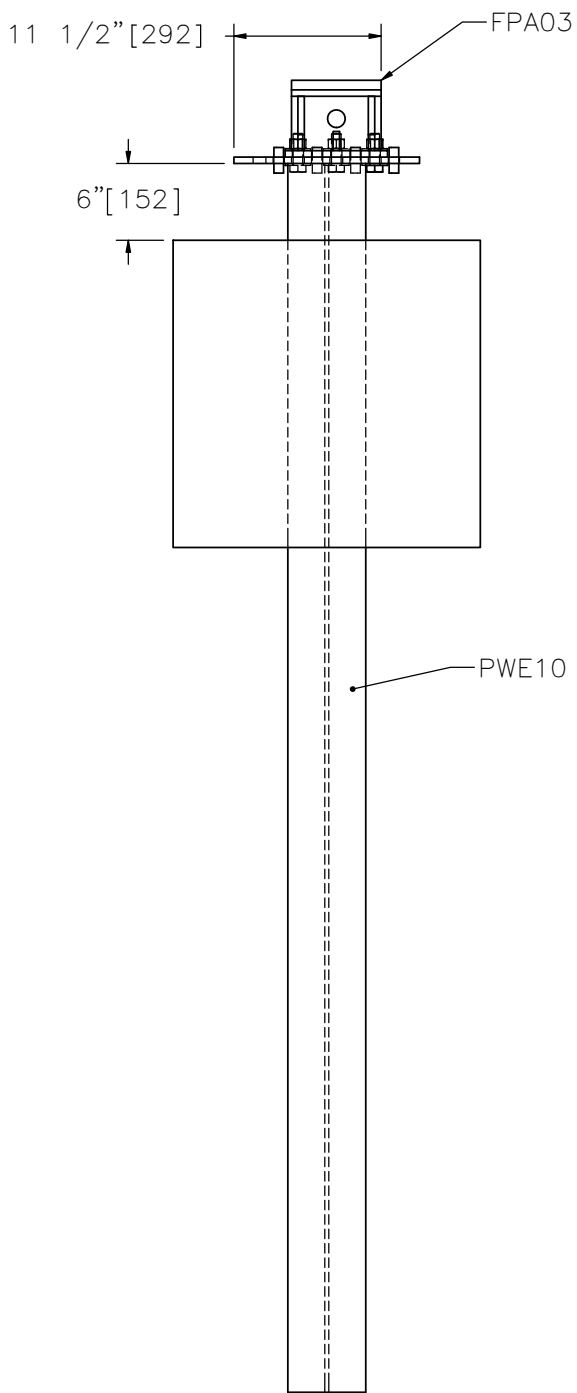
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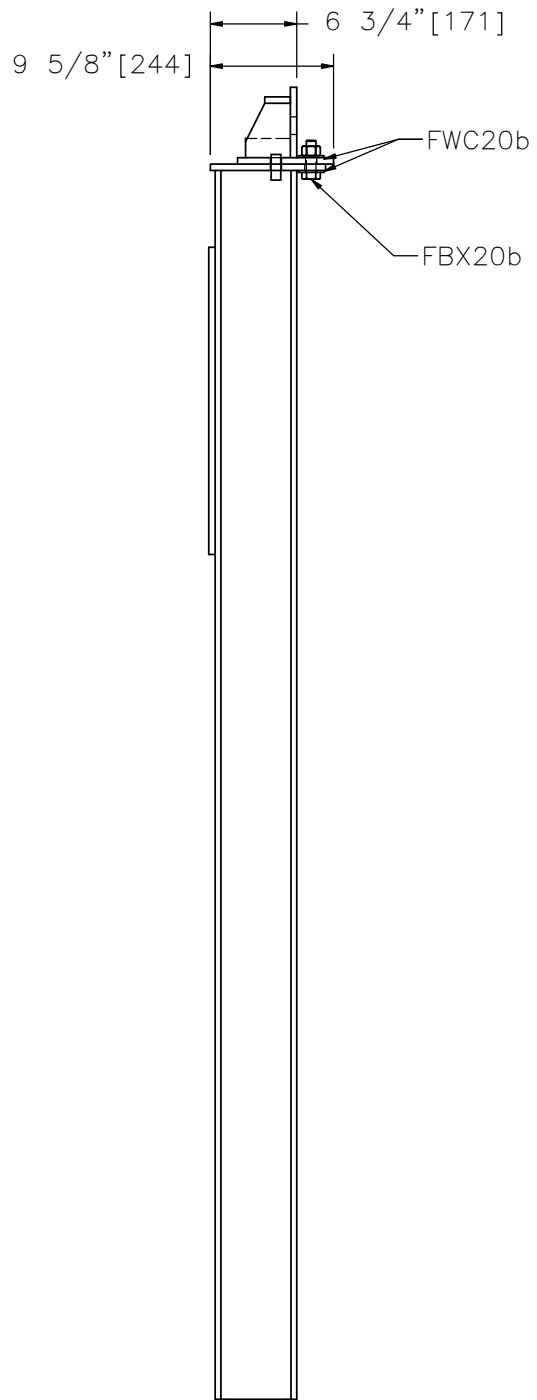
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ELEVATION VIEW



PROFILE VIEW

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