

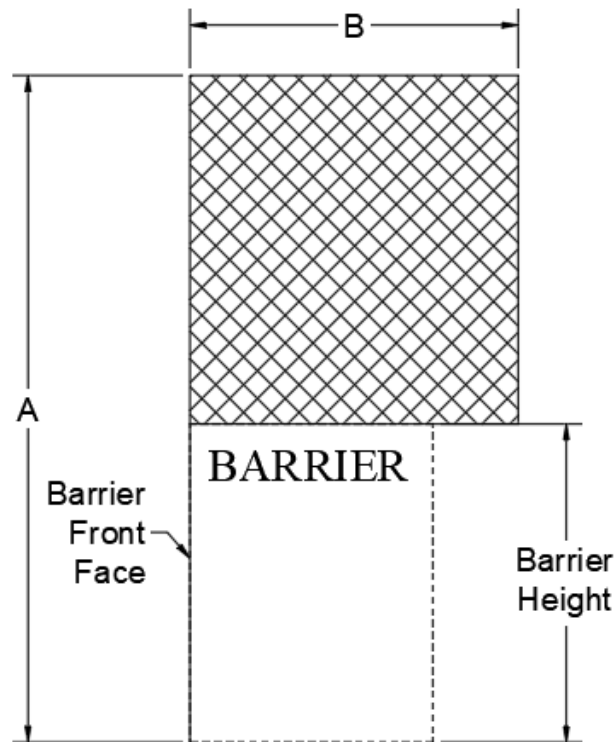
Barrier Top Height (in.)	Dimension (in.)	
	A	B
42	61	12.0
44	<i>61</i>	<i>9.4</i>
46	<i>61</i>	<i>6.8</i>
48	<i>61</i>	<i>4.3</i>
50	<i>61</i>	<i>3.2</i>
52	<i>58</i>	<i>2.0</i>
54	58	0.8

*NOTE: Cells noted in white represented values from simulation and/or full-scale testing. Italicized values shown in gray were interpolated based data trendlines.

Figure B-2. Figure 4. MASH TL-3 ZOI Dimensions, Barrier Heights 42 in. or Taller

Appendix C. MASH TL-4

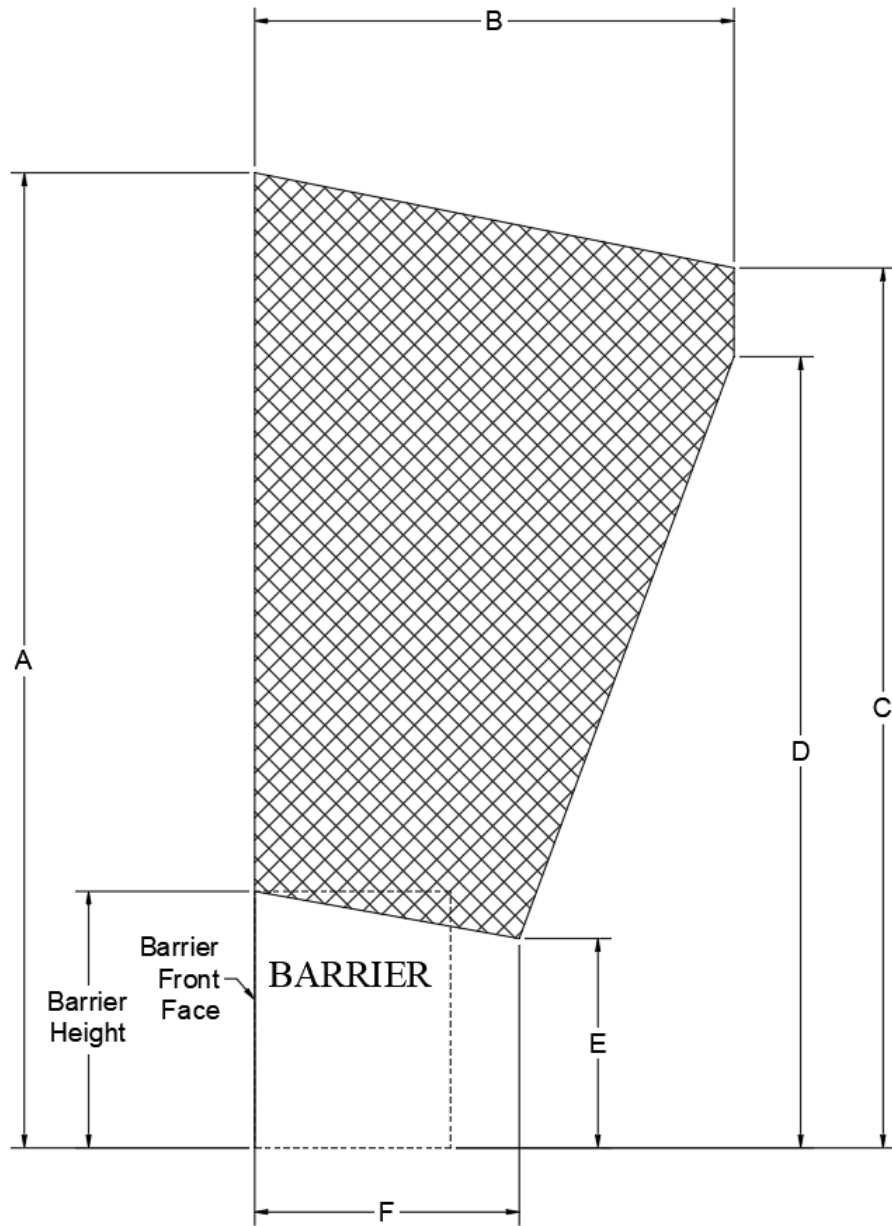
Recommended MASH TL-4 cab ZOI envelopes are summarized in Figure C-1. Due to the risk of occupant injury from cab extension into the ZOI envelope, a conservative, rectangular cab zone was used for all heights for which the cab zone ZOI was nonzero. Recommended box zones are shown in Figure C-2 and Figure C-3. To-scale comparison views of the recommended ZOI cab and box envelopes are shown in Figure C-4 and Figure C-5, respectively. For barrier heights up to 48 in. tall, the bottom edge of the box extended over the top surface of the barrier and five-point ZOI envelopes were recommended. For barrier heights greater than or equal to 48 in. tall, the box leaned over the top edge of the barrier into the ZOI envelope, and the ZOI envelope only contained an upper zone.



Barrier Top Height (in.)	Dimension (in.)	
	A	B
36	115	36
42	111	24
46	<i>111</i>	<i>8.5</i>
48	N/A	0

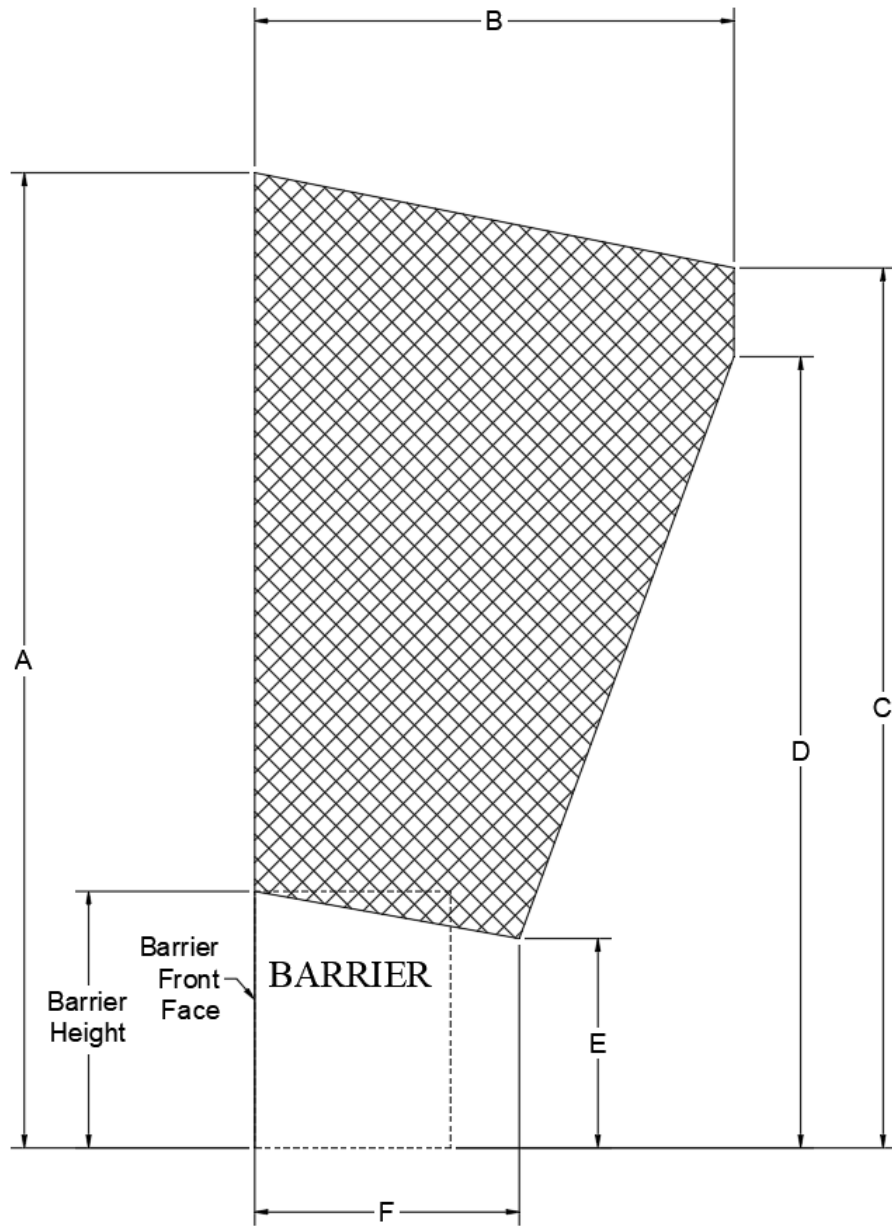
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Figure C-1. MASH TL-4 Cab ZOI Dimensions



Barrier Top Height (in.)	Dimension (in.)					
	A	B	C	D	E	F
36	181	88	148	89	27	30
42	181	63	146	103	36.5	24

Figure C-2. MASH TL-4 Box ZOI Dimensions: Barrier Heights Less than 48 in.



Barrier Top Height (in.)	Dimension (in.)					
	A	B	C	D	E	F
42	185	85	153	98	33	70
48	157.5	35	153	128	48	12

Figure D-2. MASH TL-5 Trailer ZOI Dimensions: Barrier Heights Less than 54 in.