

BOLTED-DOWN, H-PILE, STEEL TEMPORARY BARRIER SYSTEM



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INTENDED USE

The Bolted-Down, H-Pile, Steel Temporary Barrier System was tested with an observed maximum dynamic deflection of 13 3/8" [314] and a working width of 28 1/2" [725] while using a clear gap of 13" [330] between the back side of the barrier and the edge of deck or concrete surface. However, researchers later determined that the barrier system can be installed with a minimum clear gap of 6" [150]. This system is TL-3 NCHRP 350 accepted.

COMPONENTS

Unit Length = 240" [6096]

DESIGNATOR	COMPONENT	SYSTEM	NUMBER
a	Top H-Pile section	—	1
b	Bottom H-Pile section	—	1
c	Connection plate	—	2
d	Tie-down angle	—	6
e	Connection pin	—	1
f	Plate washer	—	4
—	Red head anchors	—	4

ACCEPTANCE

FHWA Acceptance Letter B-117, September 12, 2003.

REFERENCES

Polivka, K.A., Bielenberg, R.W., Faller, R.K., Sicking, D.L., Rohde, J.R., Reid, J.D., and Holloway, J.C., *Development of a Steel H-Section Temporary Barrier for Use in Limited Deflection Applications*, Final Report to the Midwest State s Regional Pooled Fund Program, Transportation Research Report No. TRP-03-120-03, Project No. SPR-3(017)-Year 11, Project Code: RFPF-01-01, Midwest Roadside Safety Facility, University of Nebraska-Lincoln, May 30, 2003.

Bielenberg, B.W., Faller, R.K., Reid, J.D., Rohde, J.R., and Sicking, D.L., Design and Testing of Tie-Down Systems for Temporary Barriers, Paper No. 03-3146, Transportation Research Record No. 1851, Transportation Research Board, Washington, D.C., January 2003.

CONTACT INFORMATION

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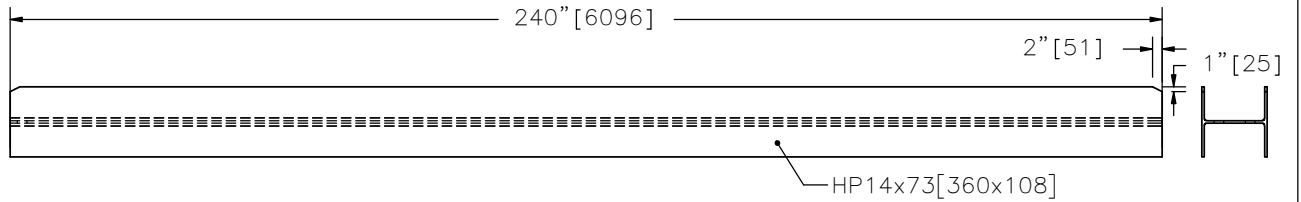
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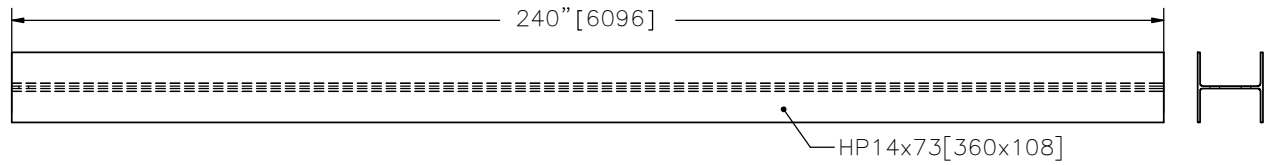
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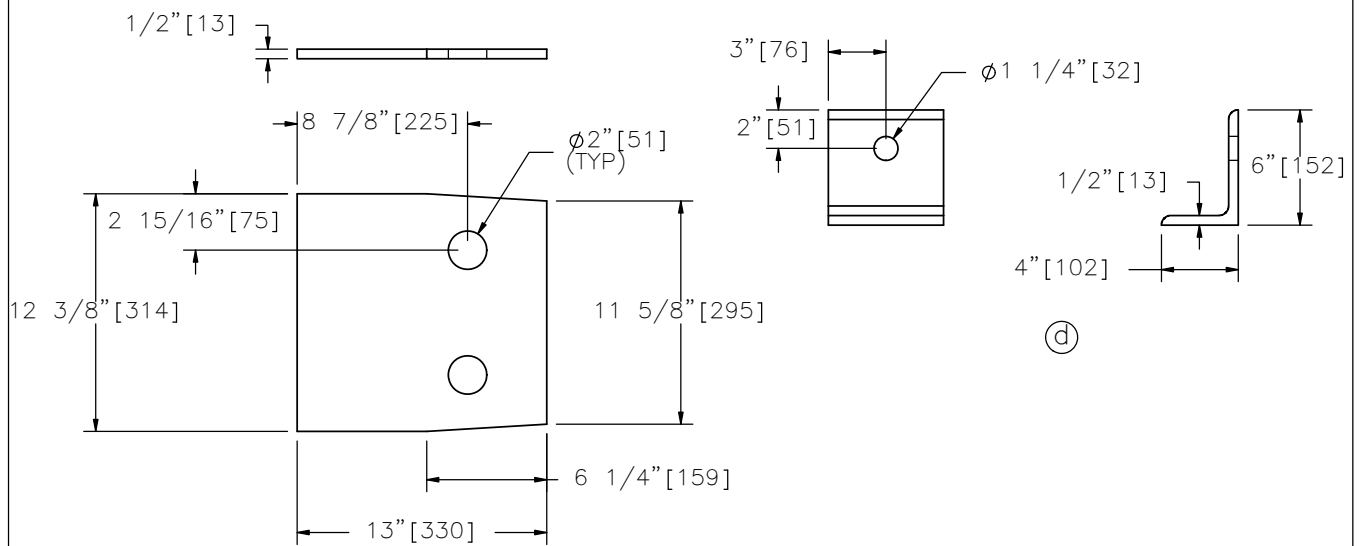




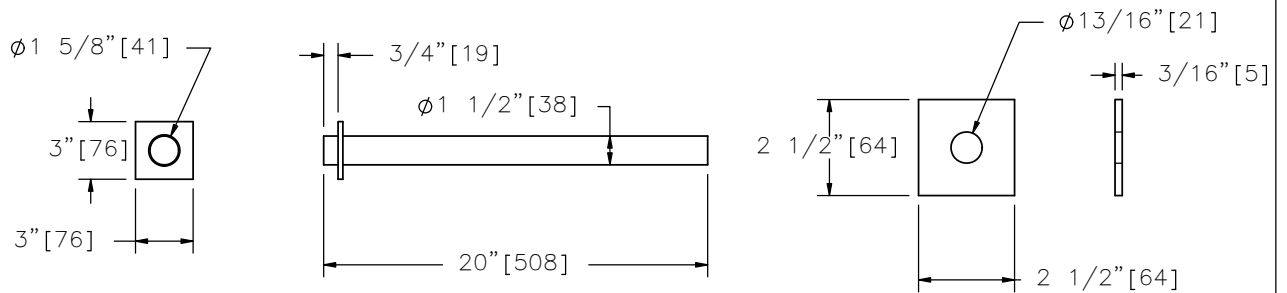
(a)



(b)



(c)



(e)

(f)

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