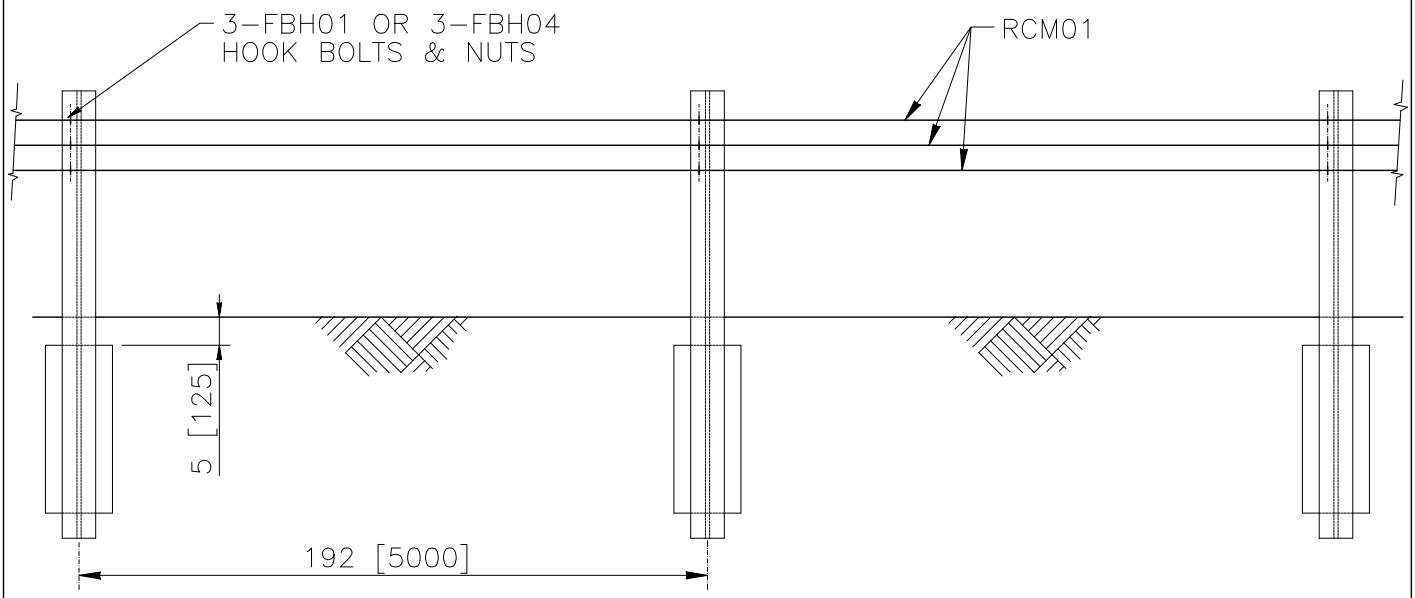
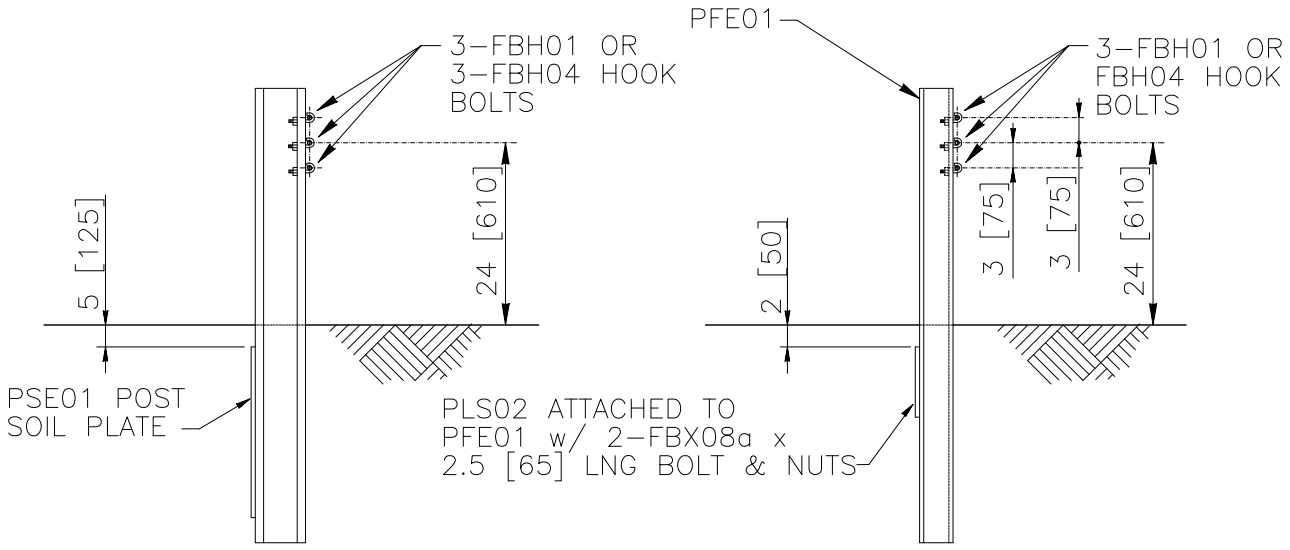


ELEVATION



SGR01a

SGR01b

1994

WEAK–STEEL POST CABLE GUARDRAIL

SGR01a–b	
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INTENDED USE

Cable guardrails are commonly used where there is adequate room behind the barrier to allow a dynamic deflection of up to 138 inches [3500 mm]. This system must be anchored using a cable anchor and terminal system like SEC01. SGR-01a and SGR-01b are both test level 3 barriers.

COMPONENTS

Unit length = 192 inches [5000 mm]

	Designator	Component	System	Number
	FBH01	Hook bolts and nuts	a-b	3
or	FBH04	Hook bolts and nuts	a-b	3
or	FBH03	Hook bolts and nuts	a	3
	PFE01	Post	b	1
with	PLS02	Soil plate	b	1
and	FBX08a	Bolt (2.5 in [65 mm]) and nut	b	2
	PSE01	Post	a	1
	RCM01	Cable (984 ft [300 m] typical)	a-b	3

APPROVALS

FHWA Acceptance Letter B-64, 2/14/00.

REFERENCES

M.D. Graham, W.C. Burnett, J.L. Gibson, R.H. Freer, *New Highway Barriers: The Practical Application of Theoretical Design*, Highway Research Record 174, Highway Research Board, Washington, DC, 1967, pp. 88-183.

M.E. Bronstad, J.E. Michie and J.D. Mayer, Jr., *Performance of Longitudinal Traffic Barriers*, National Cooperative Highway Research Program Report Number 289, Transportation Research Board, June, 1987.

J.B. Mayer, Jr., *Crash-Test Evaluation of a Franklin Post and Cable Guardrail System*, Southwest Research Institute Test Reports prepared for the South Dakota Department of Transportation, Pierre, SD, August, 1989.

CONTACT INFORMATION

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WEAK-STEEL POST CABLE GUARDRAIL

SGR01a-b

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