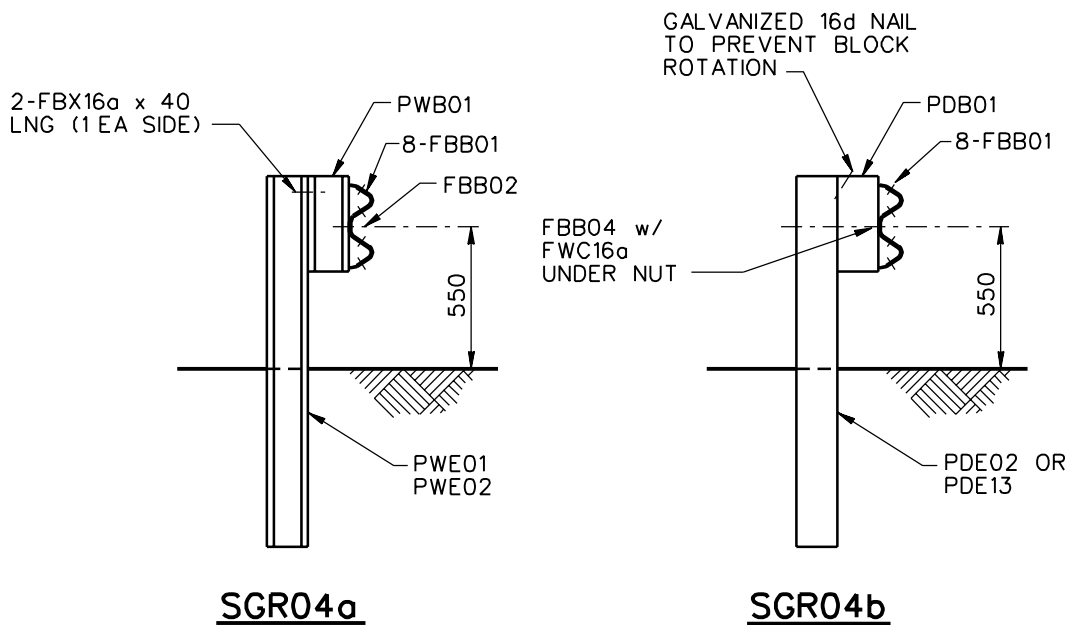


**ELEVATION**



1994

**STRONG-POST W-BEAM GUARDRAIL**

**SGR04a-b**

SHEET NO.

REF. NO.

1 of 2

G4

### INTENDED USE

Strong post W-beam guardrails should be used in locations where a maximum dynamic deflection of 900 mm or less is acceptable. W-beam guardrails should be anchored and terminated using a suitable end treatment such as the SEW03a-b, SEW04a-b (BCT) or SEW05 (MELT) terminals.

### COMPONENTS

Unit length = 3810

Designator	Component	System	Number
FBB01	Splice bolts and nuts	a-b	8
FBB02	Guardrail-post bolts and nuts	a	2
FBB04	Guardrail-post bolts and nuts	b	2
FBX16a	Post blockout bolt (40 mm) and nut	a	4
FWC16a	Round washer	b	2
PDB01	Timber post blockout	b	2
PDE02	Timber post	b	2
or PDE13	Timber post	b	2
PWB01	Steel post blockout	a	2
PWE01	Steel post	a	2
or PWE02	Steel post	a	2
RWB01a	W-beam backup plate	a	1
RWM02a	W-beam rail	a-b	1

### REFERENCES

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.

C. E. Buth, W. L. Campise, L. I. Griffin, M. L. Love, and D. L. Sicking. *Performance Limits of Longitudinal Barriers*. Federal Highway Administration, Report No. FHWA-RD-86-153 (vol. 1), Washington, D.C., May 1986.

R.L. Stoughton, R.L. Stoker, E.F. Nordlin, *Dynamic Tests of Metal Beam Guardrail*, Transportation Research Record, Transportation Research Board, Washington, D.C., 1975.

## STRONG-POST W-BEAM GUARDRAIL

# SGR04a-b

SHEET NO.

DATE

2 of 2

03-22-00

