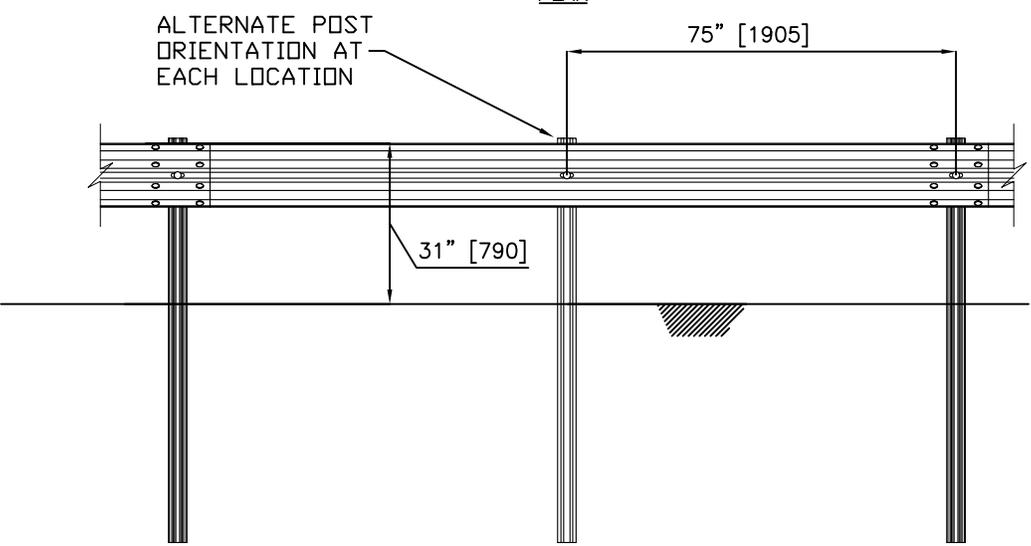
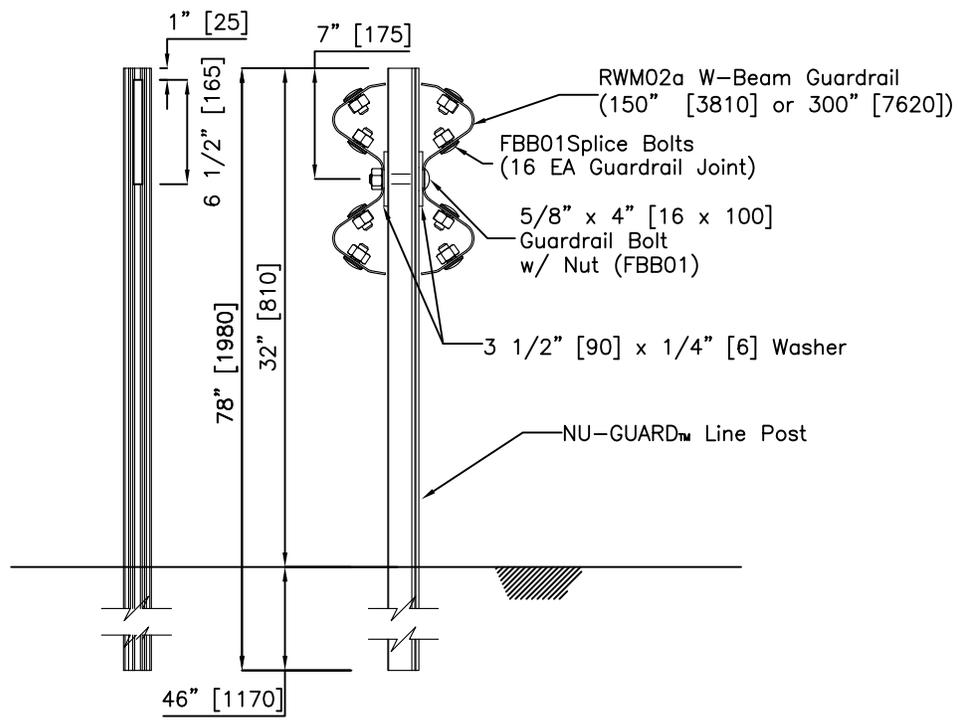


PLAN



ELEVATION



FRONT

CROSS-SECTION

NU-GUARD-31™ MEDIAN BARRIER



SGM25a-c

SHEET NO.	DATE:
1 of 2	05/31/2016

### INTENDED USE

The NU-GUARD-31™ median system is a corrugated metal w-beam barrier for use on national, state and local roadways to prevent collisions with hazards as required by safety design standards. The system is designed for median installations as an alternate to SGR04, and equivalent to other 31” [790] mounting height w-beam barriers (such as SGR20) for strong or weak post applications. The system may be connected to any crashworthy 31” [790] mounting height guardrail terminal or transition system. The system is to be installed on approach slopes no greater than 10H:1V, wherever a maximum working deflection of 41” [1050] is required for TL-3 applications, and 48” [1220] for TL-4 applications.

### COMPONENTS

The posts are Rib-Bak U-Channel sign posts 5 lb/ft [7.4 kg/m] fabricated from hot rolled carbon steel bars conforming to the requirements of ASTM A1075-12 with a minimum yield point of 80,000 psi [552 Mpa].

Unit length = 150” [3810]

Designator	Component	Number
RWM02a	W-beam rail	2
	NU-GUARD™ Line Post	2
	3 1/2” [90] x 1/4”[6] Washer	4
	4” [100] Guardrail-post bolt and nut	2
FBB01	Splice bolt and nut	16

The system meets NCHRP-350 TL-3 & TL-4 and MASH TL-3 requirements as a longitudinal barrier.

### AGENCY ACCEPTANCES

SGM25a : FHWA Letter [B-162](#), 09/11/2007, NCHRP-350 TL-3  
SGM25b : FHWA Letter [B-162B](#), 06/27/2008, NCHRP-350 TL-4  
SGM25c : FHWA Letter [B-162](#), 09/11/2007, MASH TL-3

### CONTACT INFORMATION

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## NU-GUARD-31™ MEDIAN BARRIER

# SGM25a-c

## NUCOR

BAR MILL GROUP  
NUCOR STEEL MARION, INC.

SHEET NO.

DATE

2 of 2

05/31/2016

All Nucor Steel Marion Inc. products are produced from 100% recycled steel.