



NU-GUARD-31™ CSP ROADSIDE BARRIER

SGR33e

SHEET NO.

DATE:

1 of 2

06/20/2018

INTENDED USE

The NU-GUARD-31™ CSP 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 roadside applications 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 51" [1300] is required for TL-3 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	1
	NU-GUARD™ 5 lb/ft Line Post	2
	3 1/2" [90] x 1/4" [6] Washer	2
	3 1/2" [90] Guardrail-post bolt and nut	2
FBB01	Splice bolt and nut	8

The system meets MASH TL-3 requirements as a longitudinal barrier.

AGENCY ACCEPTANCE

N/A

CONTACT INFORMATION

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NUCOR

BAR MILL GROUP

NUCOR STEEL MARION, INC.

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