



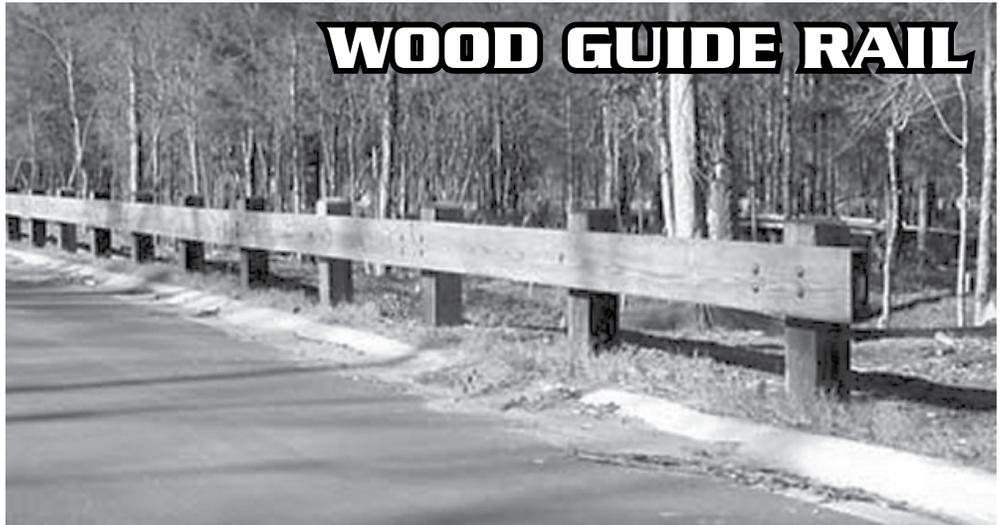
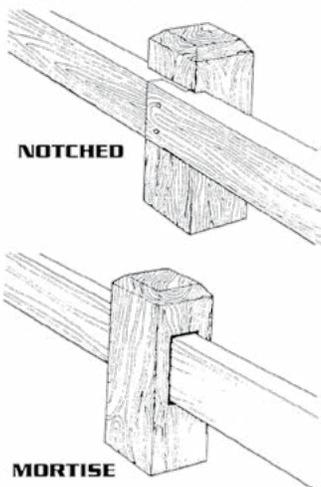
GUARD RAIL

Eastern Wood & Steel Guard Rail

Did you know that Eastern Fence is also one of the largest suppliers of Guard Rail?

Eastern Fence carries a terrific supply of wood and steel guard rail products for your safety needs. **Guard rail** or **guardrail**, sometimes referred to as **guide rail**, is a system designed to keep people or vehicles from (in most cases unintentionally) straying into dangerous or off-limits areas.

WOOD GUIDE RAIL



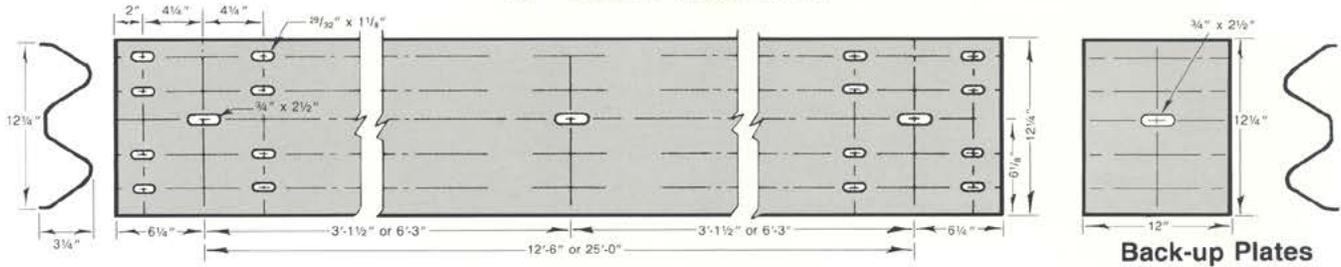
Guardrails are used in a facility setting to protect a company's greatest assets which include their people and expensive equipment.

In traffic engineering, highway guardrail may prevent an errant vehicle from impacting roadside obstacles which may be either man-made (sign structures, culvert inlets, utility poles) or natural (trees, rock croppings), running off the road and going down a steep embankment, or veering off the roadway into oncoming traffic.

Eastern

GUARD RAIL

"W" Beam Guardrail



"W"-Beam Guardrail Per AASHTO Specification M-180

Class A — 12 gauge (.105 nom.)
Class B — 10 gauge (.135 nom.)

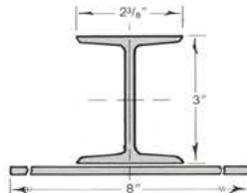
Types

Type 2 — Zinc Coated 3.6 oz./sq. ft.
Type 3 — Unfinished Beam (to be painted)
Type 4 — Corrosion Resistant Steel (weathering)
Standard Lengths are 12'6" and 25'0"
(Special lengths available upon request)

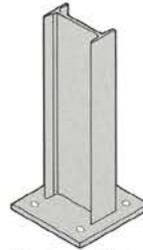
Posts and Blocks



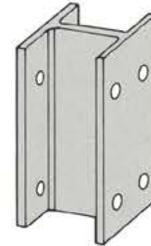
4" x 6" x 8.5# or 9#
Any length posts
(heavier structural shapes available)



3" x 5.7# x 5'3"
Standard Beams
with or without
welded deflection plate
(8" x 24")



Post on Plate
all sizes structural
various plate sizes
any length



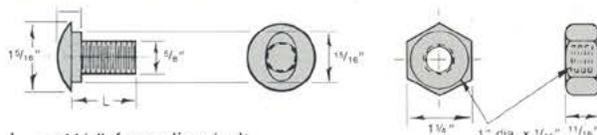
4" x 6" x 8.5# or 9#
13" or 14" Standard
any length available

Available Hot Dip Galvanized or Corrosion Resistant Steel

Galvanized Hardware

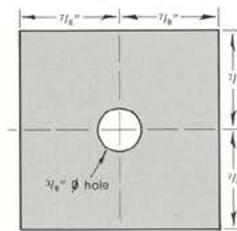
(Some items available in corrosion resistant steel)

Button Head Bolt and Recessed Nut

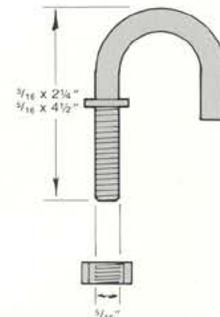


L = 1/4" for splice bolt
L = 2" for steel post bolt
L = 4 1/2" for rub rail post bolt
L = 10", 16", or 18" For wood or concrete post bolt

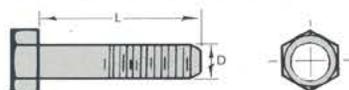
Washers Square



Hook Bolts

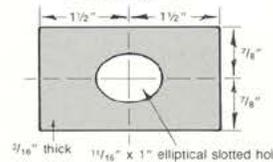


Hex Head Bolt and Nut

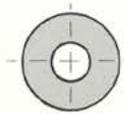


5/16 dia. x 1 3/4" long post bolt
1/2 dia. x 1 1/2" long support bolt
5/8 dia. x 1 1/2" long block bolt
3/4 dia. x 1 1/2" long block bolt
3/4 dia. x 18" long anchor bolt
7/8 dia. x 18" long anchor bolt

Rectangular



Round

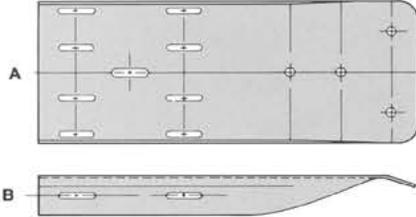


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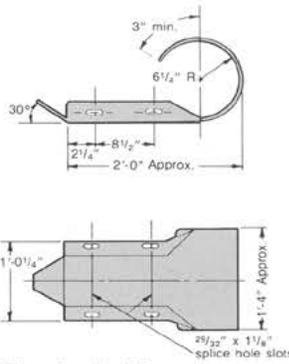
GUARD RAIL

Terminal Sections

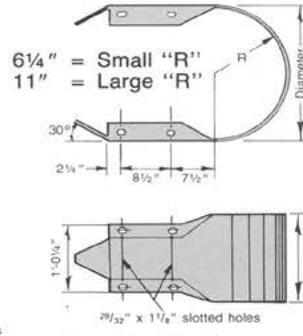
Galvanized or corrosion resistant steel



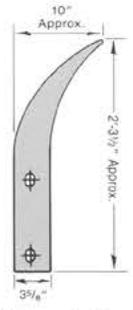
A — End Shoe, flat
B — End Shoe, bent lip (for BCT)



Single Buffer



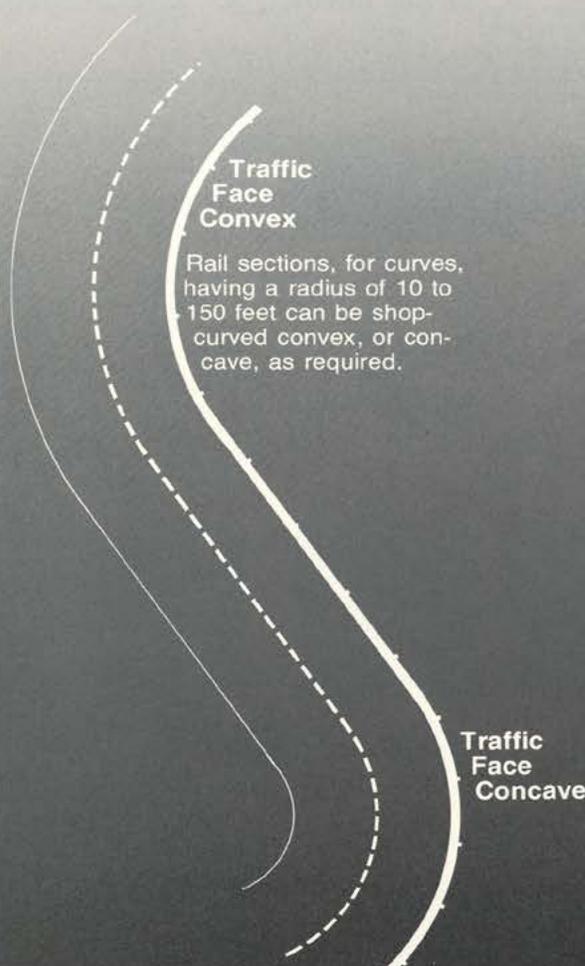
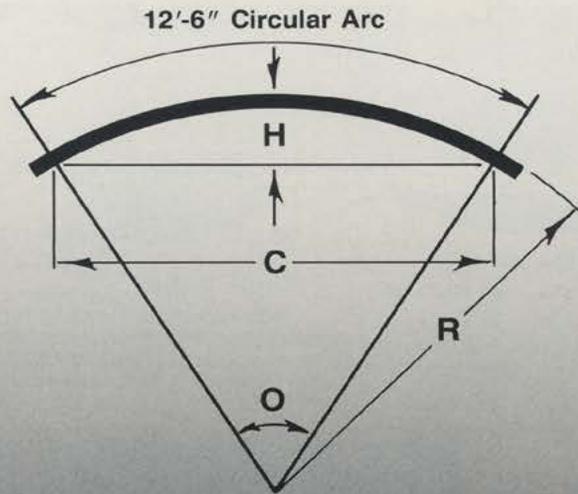
Double Buffer



Flared End

Curved Guardrail

Your protection is our business. We help protect life, equipment and property with the application of our guard rail barrier — your "safety belt" on the modern highway. This "profile of protection" is designed to help eliminate injury, death and property damage due to natural hazards along our highways.



Traffic Face Convex

Rail sections, for curves, having a radius of 10 to 150 feet can be shop-curved convex, or concave, as required.

Traffic Face Concave

Functions of 12'-6" Circular Arc

Radius (R)	Central Angle (O)	Chord (C)	Rise (H)
10	71°-37'	11'-9"	1'-10 3/4"
15	47°-45'	12'-1 3/4"	1'- 3 1/2"
20	35°-49'	12'-3 5/8"	1 15/8"
25	28°-39'	12'-4 1/2"	9 1/2"
30	23°-52'	12'-4 7/8"	7 3/4"
35	20°-28'	12'-5"	6 3/4"
40	17°-54'	12'-5 1/4"	6"
45	15°-55'	12'-5 1/2"	5 1/4"
50	14°-19'	12'-5 5/8"	4 5/8"
55	13°-01'	12'-5 5/8"	4 1/4"
60	11°-56'	12'-5 3/4"	4"
65	11°-01'	12'-5 3/4"	3 5/8"
70	10°-14'	12'-5 3/4"	3 3/8"
75	9°-33'	12'-5 3/4"	3 1/4"
80	8°-57'	12'-5 3/4"	3"
85	8°-26'	12'-5 7/8"	2 3/4"
90	7°-57'	12'-5 7/8"	2 5/8"
95	7°-32'	12'-5 7/8"	2 1/2"
100	7°-10'	12'-5 7/8"	2 3/8"
110	6°-31'	12'-5 7/8"	2 1/8"
120	5°-58'	12'-6"	2"
130	5°-31'	12'-6"	1 3/4"
140	5°-07'	12'-6"	1 5/8"
150	4°-46'	12'-6"	1 1/2"



274 Middle Island Rd.
Medford, NY 11763

1-631-698-0900
1-800-339-3362
Fax# 1-631-698-6408
www.easternfence.com

GUIDE/BARRIER RAIL - STEEL HIGHWAY RIBBON STYLE - GALVANIZED

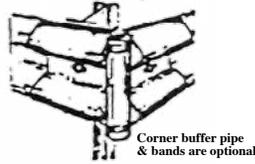
Rails, available in either 10 ga. or 12 ga. thickness, are 13' 6" long. Due to rail overlap, the erected section length will be 12'-6". Posts are available either 5'-0" or 5'-9" long and are pre-punched to accept offset blocks and/or all standard rails.



INSIDE CORNER



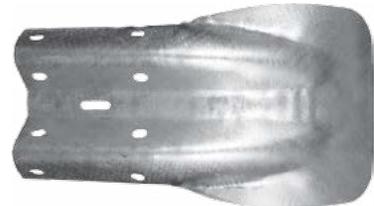
RAIL



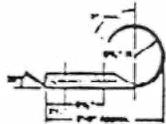
OUTSIDE CORNER



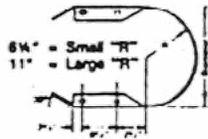
BLK13



FLR



SINGLE BUFFER



DOUBLE BUFFER



FLARED END

(BOX BEAM AVAILABLE)

Chart for Hardware for Guardrail:

- Rail = 8 Short Bolts, 8 Nuts
- Flairs = 4 Short Bolts, 4 Nuts
- Single Wraps = 4 Short Bolts, 4 Nuts
- Double Wraps = 8 Short Bolts, 8 Nuts
- Posts = 1 Long Bolt, 1 Nut, 1 Washer

ITEM #	DESCRIPTION	PRICE EACH
GR12	12 ga. Galv. Rails	
GR10	10 ga. Galv. Rails	
GRP59	Posts 4 x 6, 8.5 lbs/ft x 5' 9"	
SWA	Single Wrap Arounds	
FLR	Flairs	
DWA	Double Wrap Arounds	
CCI	Corner Connector (Inside)	
CCO	Corner Connector (Outside)	
BLK13	13" Offset Wood Blocks	
BUP	Back-up Plates	
GRL	Long Bolt 5/8 x 2"	
GRS	Short Bolt 5/8 x 1-1/4"	
GRW	Hex Washer	
GRN	Double Recess Nut 5/8"	
GRB10	5/8" x 10" Guard Rail Block Bolt	



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GUIDE/BARRIER RAIL - WOOD

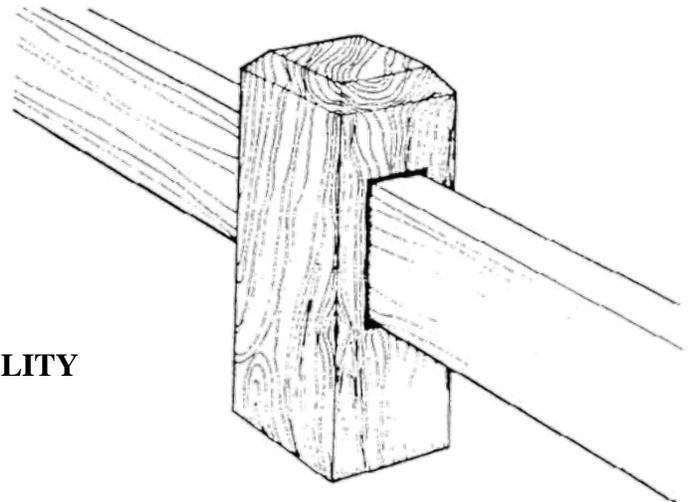
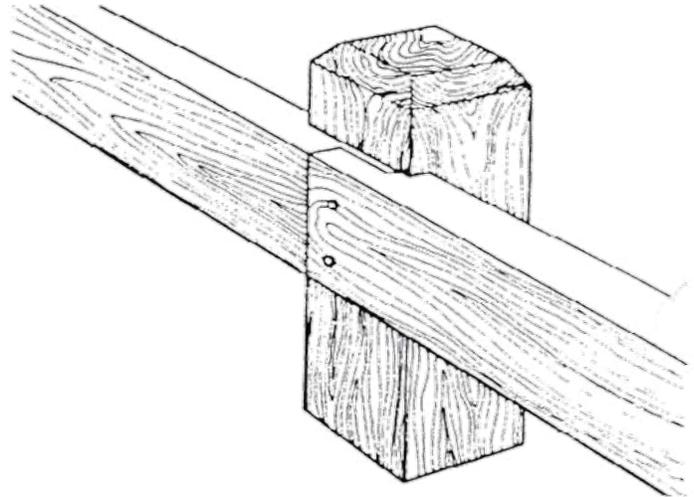
8 X 8 X 5' 4" Southern Yellow Pine

MORTISE or NOTCH Styles .40 CCA Treated

For maximum effectiveness all milling is done prior to treatment.

30 YEAR GUARANTEE

DESCRIPTION	ITEM NO.	PRICE EA.
NOTCH:		
NOTCHED POST	WGRN	
MORTISE:		
LINE POST	WGRML	
END POST	WGRME	
CORNER POST	WGRMC	
RAIL:		
4 x 8 x 10 RAIL	WGRR	
1/2 x 6" GALV. LAG	WGRLAG	



**FOR OTHER STYLES
CALL FOR PRICE AND AVAILABILITY**