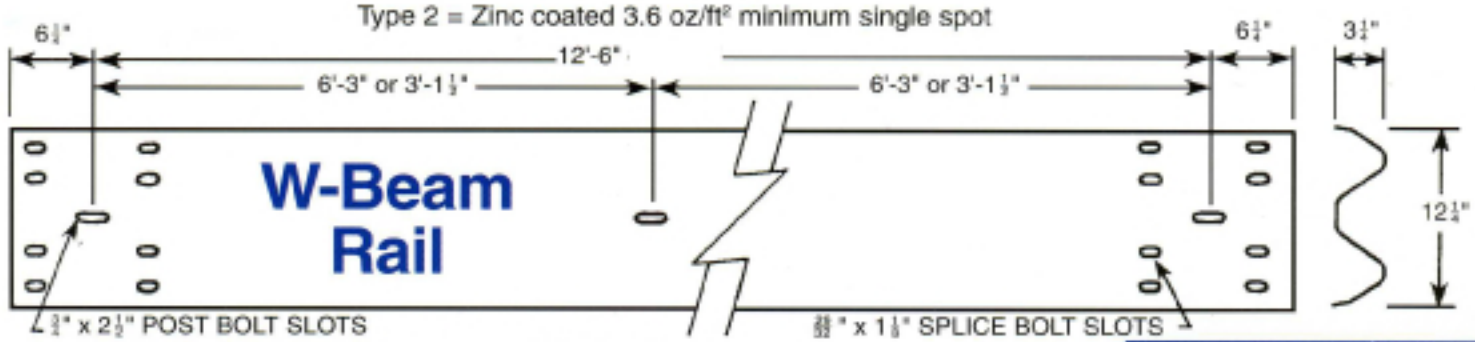
MANUFACTURER OF IDEAL SHIELD® PROTECTIVE GUARDRAIL SYSTEMS
idealSHIELD®
1-313-842-7290
www.idealshield.com

Rail is supplied hot-dipped galvanized after fabrication in accordance with ASTM A-123.

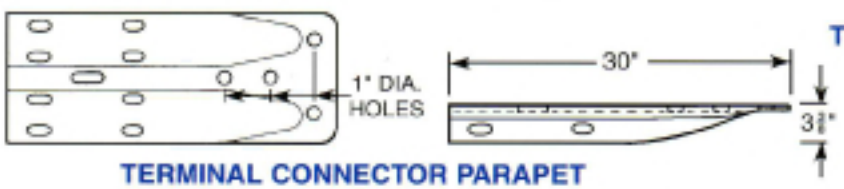
Type 2 = Zinc coated 3.6 oz/ft² minimum single spot



DIMENSIONS AND MECHANICAL PROPERTIES (UNCOATED)

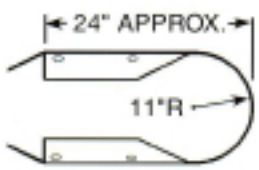
Item	Class A (.105 in. thick)	Class B (.135 in. thick)
Beam width, in., minimum	12	12
Beam depth, in., minimum	3	3
Cross-sectional area, sq. in.	2.01	2.58
Moment of inertia, in.⁴	2.34	3.01
Section modulus, in.³	1.39	1.77
Weight/ft., lb. (approximate)	6.82	8.77

END SECTION (ROUNDED)

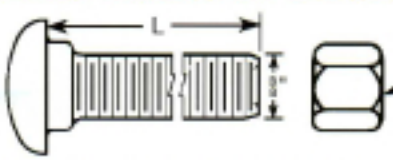


TERMINAL CONNECTOR PARAPET

END SECTION (FLARED)



MEDIAN DIVIDER END SECTION

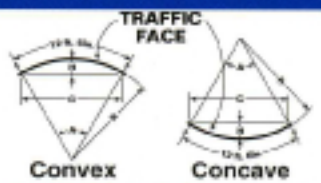


L = 1½" SPLICE BOLT
L = 2" STEEL POST BOLT
L = 10", 16" OR 18" WOOD POST BOLT

BUTTON HEAD BOLTS AND DOUBLE RECESSED HEX NUTS

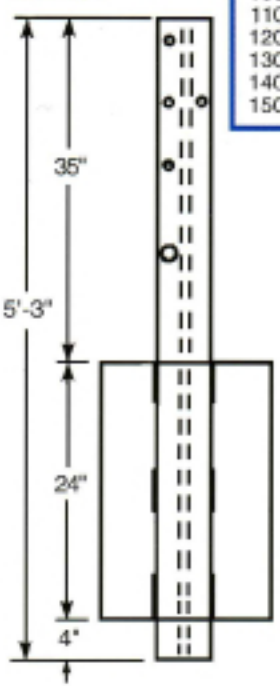
TYPICAL STEEL POST W6 x 8.5

CURVED RAIL

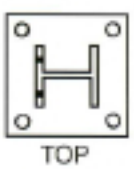


FUNCTIONS OF 12-ft., 6-in. ARC FOR DIFFERENT RADII

Radii	Angle	Chord	Height (Rise)
5	143° 14'	9'-5⅞"	3'-5"
10	71° 37'	11'-8⅝"	1'-10⅛"
15	47° 45'	12'-1⅜"	1'-3⅜"
20	35° 49'	12'-3⅝"	11⅝"
25	28° 39'	12'-4⅛"	9⅜"
30	23° 52'	12'-4⅞"	7⅛"
35	20° 28'	12'-5¼"	6⅛"
40	17° 53'	12'-5⅜"	5¼"
45	15° 55'	12'-5½"	5"
50	14° 19'	12'-5⅝"	4⅛"
55	13° 01'	12'-5¾"	4"
60	11° 56'	12'-5¾"	3⅞"
65	11° 01'	12'-5⅞"	3⅜"
70	10° 14'	12'-5⅞"	3⅛"
75	9° 33'	12'-5⅞"	3"
80	8° 57'	12'-5⅞"	3"
85	8° 26'	12'-5⅞"	2¾"
90	7° 58'	12'-5⅞"	2⅝"
95	7° 32'	12'-5⅞"	2½"
100	7° 10'	12'-5⅞"	2⅜"
110	6° 31'	12'-5⅞"	2¼"
120	5° 58'	12'-6"	2"
130	5° 31'	12'-6"	1¾"
140	5° 07'	12'-6"	1⅝"
150	4° 47'	12'-6"	1½"



S3 x 5.7 WEAK POST



POST ON PLATE