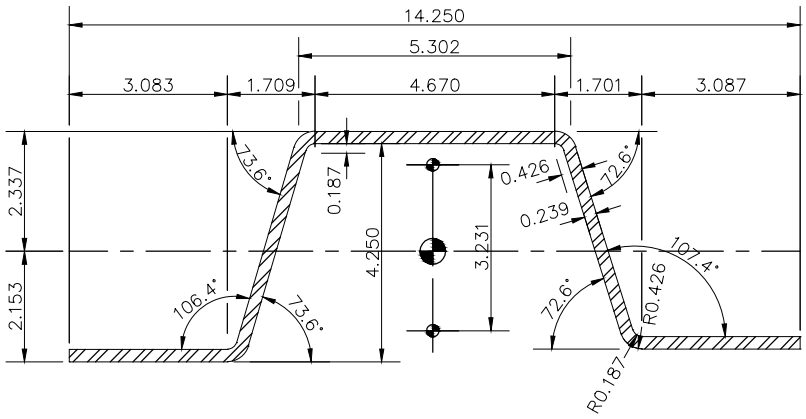


------ 4.25X12x3 GAGE (0.239") FULL SECTION ------

Area: 4.8099 sq in
Perimeter: 40.7119 in

Bounding box: X: −7.0880 -- 7.1620 in
Y: −2.1525 -- 2.3366 in

Centroid: X: 0.0000 in
Y: 0.0000 in

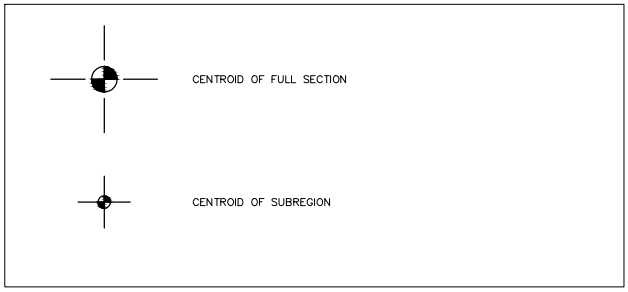
Moments of inertia: X: 14.5515 in4
Y: 72.0776 in4

Section Modulus: Sxt = 6.227 in3
Sxb = 6.759 in3

Product of inertia: XY: 1.5012 sq in sq in

Radii of gyration: X: 1.7393 in
Y: 3.8711 in

Principal moments (sq in sq in) and X−Y directions about centroid:
I: 14.5123 along [0.9997 0.0261]
J: 72.1168 along [−0.0261 0.9997]



---------- 4.25x12x3 GA. UPPER REGION ----------

Area: 2.3030 sq in
Perimeter: 19.7633 in

Bounding box: X: −3.3484 -- 3.3714 in
Y: −1.6836 -- 0.6530 in

Centroid: X: 0.0000 in
Y: 0.0000 in

Moments of inertia: X: 1.1658 sq in sq in
Y: 11.8420 sq in sq in

Plastic Section Modulus: Zxt: 7.441 in3

Product of inertia: XY: −0.0147 sq in sq in
Radii of gyration: X: 0.7115 in
Y: 2.2676 in

Principal moments (sq in sq in) and X−Y directions about centroid:
I: 1.1658 along [1.0000 −0.0014]
J: 11.8420 along [0.0014 1.0000]

---------- 4.25x12x3 GA. LOWER REGION ----------

Area: 2.5070 sq in
Perimeter: 21.9481 in

Bounding box: X: −7.0455 -- 7.2045 in
Y: −0.6059 -- 1.5466 in

Centroid: X: 0.0000 in
Y: 0.0000 in

Moments of inertia: X: 0.8613 sq in sq in
Y: 60.2262 sq in sq in

Plastic Section Modulus: Zxb: 8.100 in3

Product of inertia: XY: 1.1719 sq in sq in
Radii of gyration: X: 0.5861 in
Y: 4.9014 in

Principal moments (sq in sq in) and X−Y directions about centroid:
I: 0.8382 along [0.9998 0.0197]
J: 60.2493 along [−0.0197 0.9998]

U.S. BRIDGE® BRIDGING AMERICA SINCE 1936	BRIDGE FLOORING SECTION PROPERTIES 4.25X12X3 GAGE (0.239")	DRAWN BY: DLG / CHK BY: DLM	SHEET 1 OF
		DATE: 5/21/10 / JOB NO: STD	