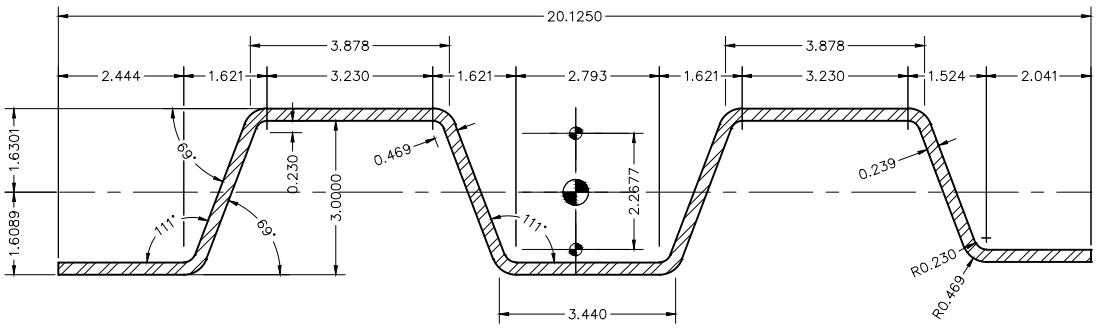


------ 3X9X3 GAGE (0.239") FULL SECTION ------

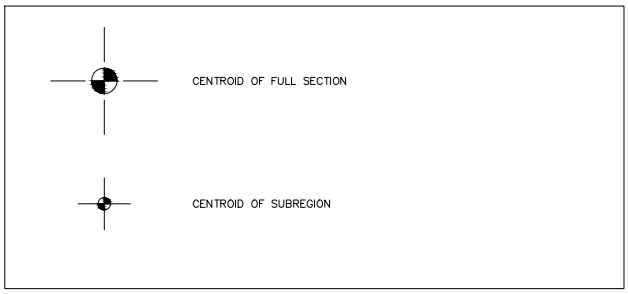
Area: 6.6325 sq in
Perimeter: 55.9804 in

Bounding box: X: −10.0840 -- 10.0410 in
Y: −1.6089 -- 1.6301 in
Centroid: X: 0.0000 in
Y: 0.0000 in

Moments of inertia: X: 9.9855 sq in sq in
Y: 211.0923 sq in sq in

Section Modulus: Sxt: 6.126 in3
Sxb: 6.206 in3

Product of inertia: XY: 3.3635 sq in sq in
Radii of gyration: X: 1.2270 in
Y: 5.6415 in
Principal moments (sq in sq in) and X−Y directions about centroid:
I: 9.9293 along [0.9999 0.0167]
J: 211.1485 along [−0.0167 0.9999]



---------- 3x9x3 GA. UPPER REGION ----------

Area: 3.2618 sq in
Perimeter: 28.3175 in

Bounding box: X: −7.1899 -- 7.1899 in
Y: −1.1525 -- 0.4776 in

Centroid: X: 0.0000 in
Y: 0.0000 in

Plastic Section Modulus: Zxt: 7.397

Moments of inertia: X: 0.7650 sq in sq in
Y: 78.9822 sq in sq in

Product of inertia: XY: 0.0000 sq in sq in
Radii of gyration: X: 0.4843 in
Y: 4.9208 in

Principal moments (sq in sq in) and X−Y directions about centroid:
I: 0.7650 along [1.0000 0.0000]
J: 78.9822 along [0.0000 1.0000]

---------- 3x9x3 GA. LOWER REGION ----------

Area: 3.3708 sq in
Perimeter: 29.7079 in

Bounding box: X: −9.8628 -- 10.2622 in
Y: −0.4937 -- 1.1152 in

Centroid: X: 0.0000 in
Y: 0.0000 in

Plastic Section Modulus: Zxb: 7.644

Moments of inertia: X: 0.6961 sq in sq in
Y: 131.7749 sq in sq in

Product of inertia: XY: 1.6731 sq in sq in
Radii of gyration: X: 0.4544 in
Y: 6.2525 in

Principal moments (sq in sq in) and X−Y directions about centroid:
I: 0.6748 along [0.9999 0.0128]
J: 131.7963 along [−0.0128 0.9999]

U.S. BRIDGE®
BRIDGING AMERICA SINCE 1936

BRIDGE FLOORING
SECTION PROPERTIES
3X9X3 GAGE (0.239")

DRAWN BY: DLG	CHK BY: DLM	SHEET
DATE: 5/21/10	JOB NO: STD	1 OF