

----- 3X9X7 GAGE (0.179") FULL SECTION -----

Area: 4.9733 sq in
 Perimeter: 55.9253 in

Bounding box: X: -10.0975 -- 10.0275 in
 Y: -1.5840 -- 1.5950 in

Centroid: X: 0.0000 in
 Y: 0.0000 in

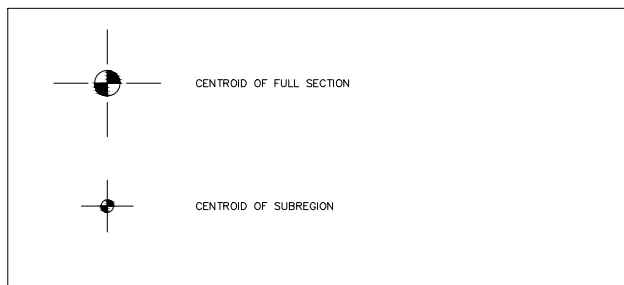
Moments of inertia: X: 7.5504 in⁴
 Y: 159.5754 in⁴

Section Modulus: S_{xt} = 4.734 in³
 S_{xb} = 4.767 in³

Product of inertia: XY: 2.1625 sq in sq in

Radii of gyration: X: 1.2321 in
 Y: 5.6645 in

Principal moments (sq in sq in) and X-Y directions about centroid:
 I: 7.5196 along [0.9999 0.0142]
 J: 159.6061 along [-0.0142 0.9999]



----- 3x9x7 GA. UPPER REGION -----

Area: 2.4605 sq in
 Perimeter: 28.2592 in

Bounding box: X: -7.2527 -- 7.2530 in
 Y: -1.1510 -- 0.4440 in

Centroid: X: 0.0000 in
 Y: 0.0000 in

Moments of inertia: X: 0.5682 sq in sq in
 Y: 61.1820 sq in sq in

Plastic Section Modulus: Z_{xt}: 5.605

Product of inertia: XY: -0.0001 sq in sq in

Radii of gyration: X: 0.4805 in
 Y: 4.9866 in

Principal moments (sq in sq in) and X-Y directions about centroid:
 I: 0.5682 along [1.0000 0.0000]
 J: 61.1820 along [0.0000 1.0000]

----- 3x9x7 GA. LOWER REGION -----

Area: 2.5128 sq in
 Perimeter: 29.2024 in

Bounding box: X: -9.8868 -- 10.2382 in
 Y: -0.4570 -- 1.1270 in

Centroid: X: 0.0000 in
 Y: 0.0000 in

Moments of inertia: X: 0.5310 sq in sq in
 Y: 98.1680 sq in sq in

Plastic Section Modulus: Z_{xb}: 5.724

Product of inertia: XY: 0.9569 sq in sq in

Radii of gyration: X: 0.4597 in
 Y: 6.2503 in

Principal moments (sq in sq in) and X-Y directions about centroid:
 I: 0.5216 along [1.0000 0.0098]
 J: 98.1774 along [-0.0098 1.0000]



BRIDGE FLOORING
 SECTION PROPERTIES
 3X9X7 GAGE (0.179")

DRAWN BY:
 DLG

CHK BY:
 DLM

SHEET

DATE:
 5/21/10

JOB NO:
 STD

1 OF