

----- 4.25x12x9 GAGE (0.150") FULL SECTION -----

Area: 3.0130 sq in
 Perimeter: 40.6069 in

Bounding box: X: -7.0879 -- 7.1621 in
 Y: -2.1080 -- 2.2915 in

Centroid: X: 0.0000 in
 Y: 0.0000 in

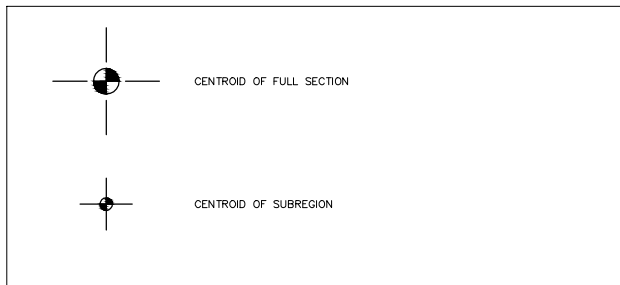
Moments of inertia: X: 9.1137 in⁴
 Y: 45.1233 in⁴

Section Modulus: S_{xt} = 3.976 in³
 S_{xb} = 4.323 in³

Product of inertia: XY: 0.9402 sq in sq in

Radii of gyration: X: 1.7392 in
 Y: 3.8699 in

Principal moments (sq in sq in) and X-Y directions about centroid:
 I: 9.0892 along [0.9997 0.0261]
 J: 45.1479 along [-0.0261 0.9997]



----- 4.25x12x9 GA. UPPER REGION -----

Area: 1.4426 sq in
 Perimeter: 19.6118 in

Bounding box: X: -3.3015 -- 3.3244 in
 Y: -1.6842 -- 0.6073 in

Centroid: X: 0.0000 in
 Y: 0.0000 in

Moments of inertia: X: 0.7268 sq in sq in
 Y: 7.4166 sq in sq in

Plastic Section Modulus: Z_{xt}: 4.661 in³

Product of inertia: XY: -0.0093 sq in sq in

Radii of gyration: X: 0.7098 in
 Y: 2.2674 in

Principal moments (sq in sq in) and X-Y directions about centroid:
 I: 0.7268 along [1.0000 -0.0014]
 J: 7.4166 along [0.0014 1.0000]

----- 4.25x12x9 GA. LOWER REGION -----

Area: 1.5704 sq in
 Perimeter: 21.6200 in

Bounding box: X: -7.0455 -- 7.2045 in
 Y: -0.5609 -- 1.5471 in

Centroid: X: 0.0000 in
 Y: 0.0000 in

Moments of inertia: X: 0.5360 sq in sq in
 Y: 37.7009 sq in sq in

Plastic Section Modulus: Z_{xb}: 5.074 in³

Product of inertia: XY: 0.7342 sq in sq in

Radii of gyration: X: 0.5842 in
 Y: 4.8997 in

Principal moments (sq in sq in) and X-Y directions about centroid:
 I: 0.5215 along [0.9998 0.0197]
 J: 37.7154 along [-0.0197 0.9998]



BRIDGE FLOORING
 SECTION PROPERTIES
 4.25X12X9 GAGE (0.150")

DRAWN BY:
 DLG

CHK BY:
 DLM

SHEET

DATE:
 5/21/10

JOB NO:
 STD

1 OF