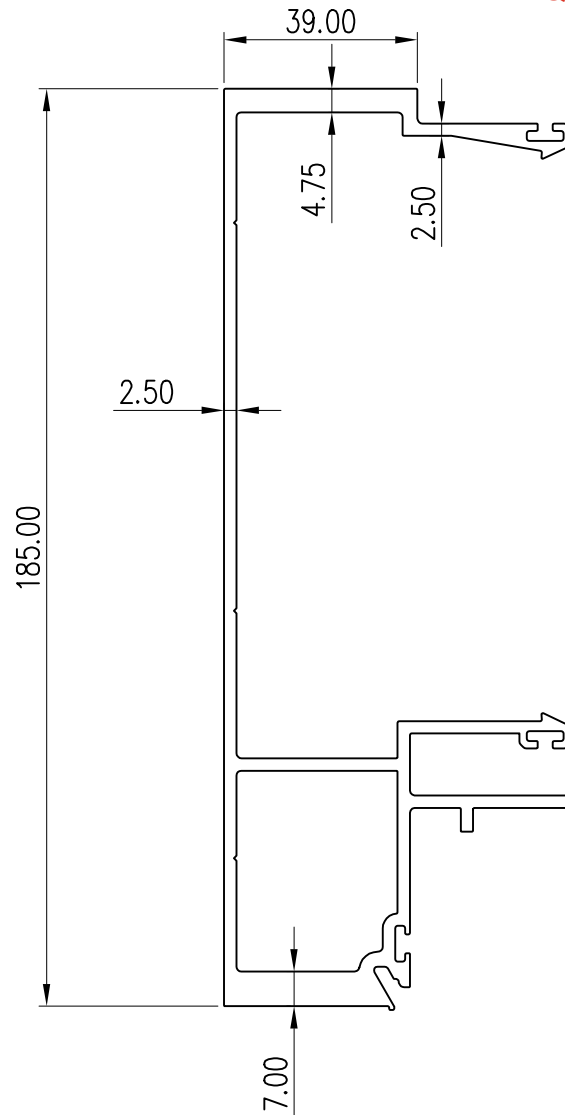


Q03344



Area: 1397.2862 sq. units

Perimeter: 943.7473

Bounding Box:

Lower Bound: X=-22.6466 Y=-82.0623

Upper Bound: X=47.3278 Y=103.6868

Centroid:

X: 0.0000

Y: 0.0000

Moments of inertia:

X: 6327872.7530

Y: 615057.1735

Products of inertia:

XY: -3773.1782

Radii of gyration:

X: 67.2955

Y: 20.9805

Principal moments and X-Y directions about centroid:

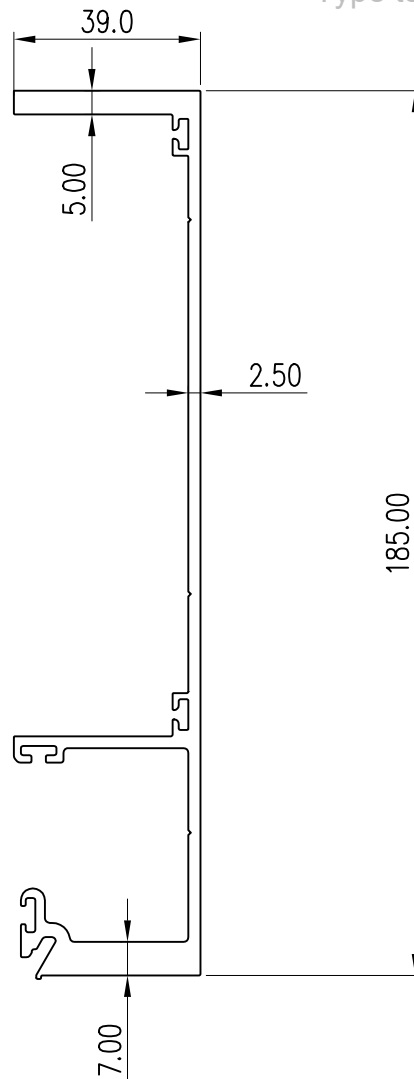
I: 615054.6814 along [0.0007 -1.0000]

J: 6327875.2451 along [1.0000 0.0007]

FEMALE MULLION M.I. & AREA

Q03345

Type text here



Area: 1044.4306 sq. units

Perimeter: 679.1514

Bounding Box:

Lower Bound: X=-27.0978 Y=-82.5388

Upper Bound: X=11.9277 Y=103.2103

Centroid:

X: 0.0000

Y: 0.0000

Moments of inertia:

X: 5058511.8129

Y: 162738.2294

Products of inertia:

XY: 116486.4934

Radii of gyration:

X: 69.5940

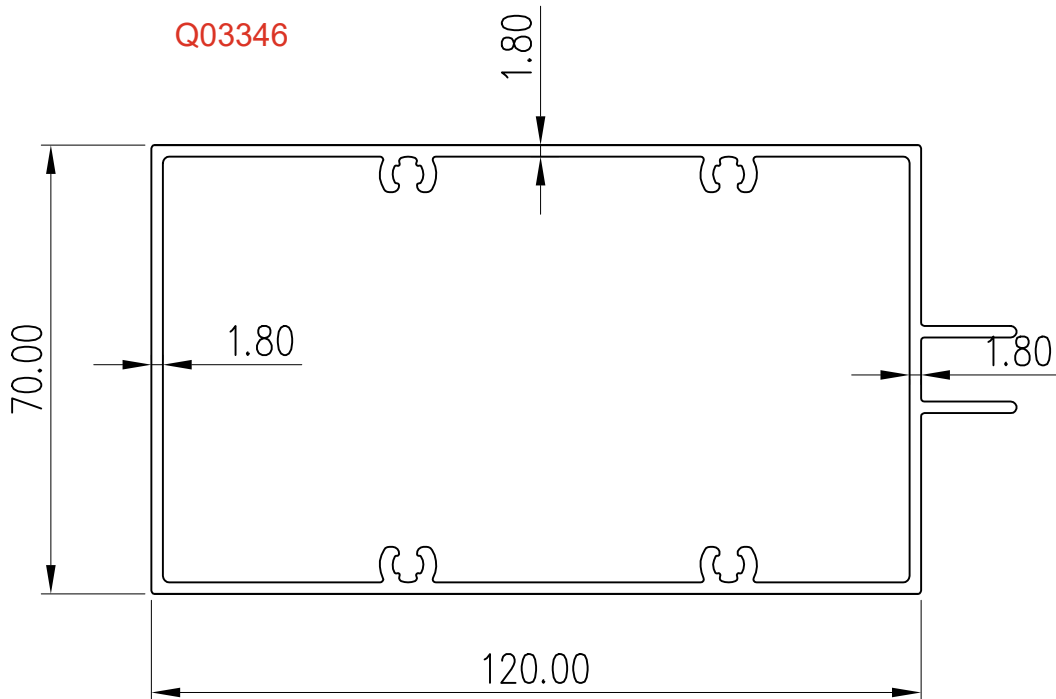
Y: 12.4826

Principal moments and X-Y directions about centroid:

I: 159968.2014 along [0.0238 0.9997]

J: 5061281.8410 along [-0.9997 0.0238]

TRANSOM M.I. & AREA

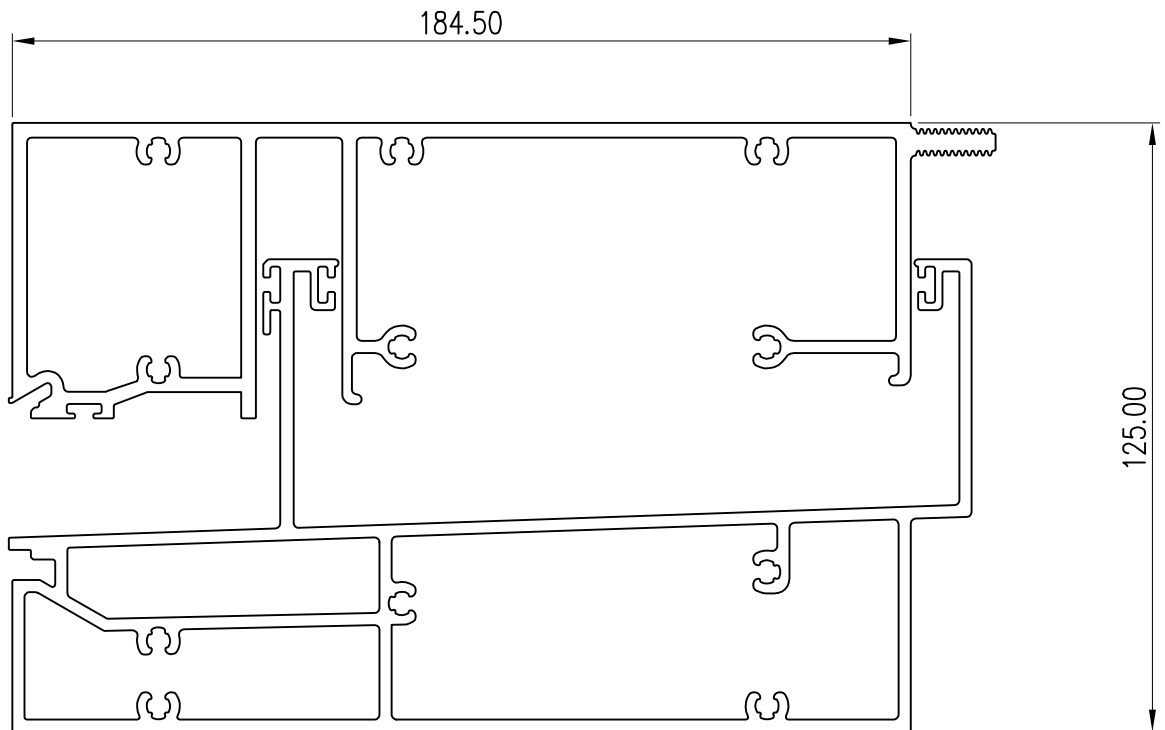


----- REGIONS -----

Area: 826.4421
 Perimeter: 888.7090
 Bounding box: X: -64.9423 -- 69.9585
 Y: -35.0000 -- 35.0000
 Centroid: X: 0.0000
 Y: 0.0000
 Moments of inertia: X: 688044.3997
 Y: 1644092.5595
 Product of inertia: XY: 0.0711
 Radii of gyration: X: 28.8537
 Y: 44.6023
 Principal moments and X-Y directions about centroid:
 I: 688044.3997 along [1.0000 0.0000]
 J: 1644092.5595 along [0.0000 1.0000]

SILL GUTTER COMBINED MI & AREA

Q03347



Area: 3662.6705 sq. units

Perimeter: 2779.4616

Bounding Box:

Lower Bound: X=-85.9164 Y=-100.8078

Upper Bound: X=116.7839 Y=24.1922

Centroid:

X: 0.0000

Y: 0.0000

Moments of inertia:

X: 6924982.5723

Y: 14328318.4453

Products of inertia:

XY: 1712917.8922

Radii of gyration:

X: 43.4821

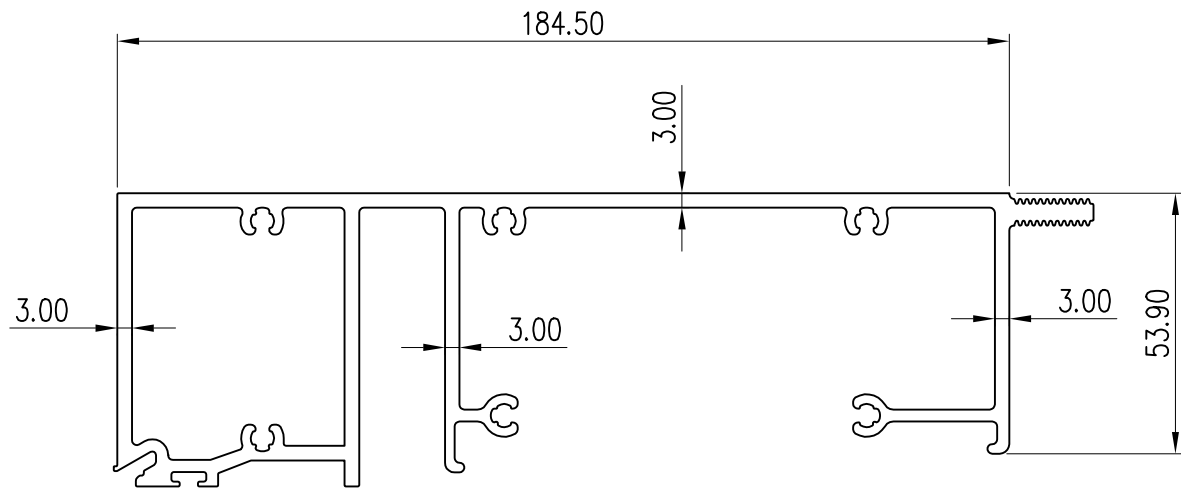
Y: 62.5459

Principal moments and X-Y directions about centroid:

I: 6547872.1111 along [0.9766 0.2150]

J: 14705428.9065 along [-0.2150 0.9766]

Q03348

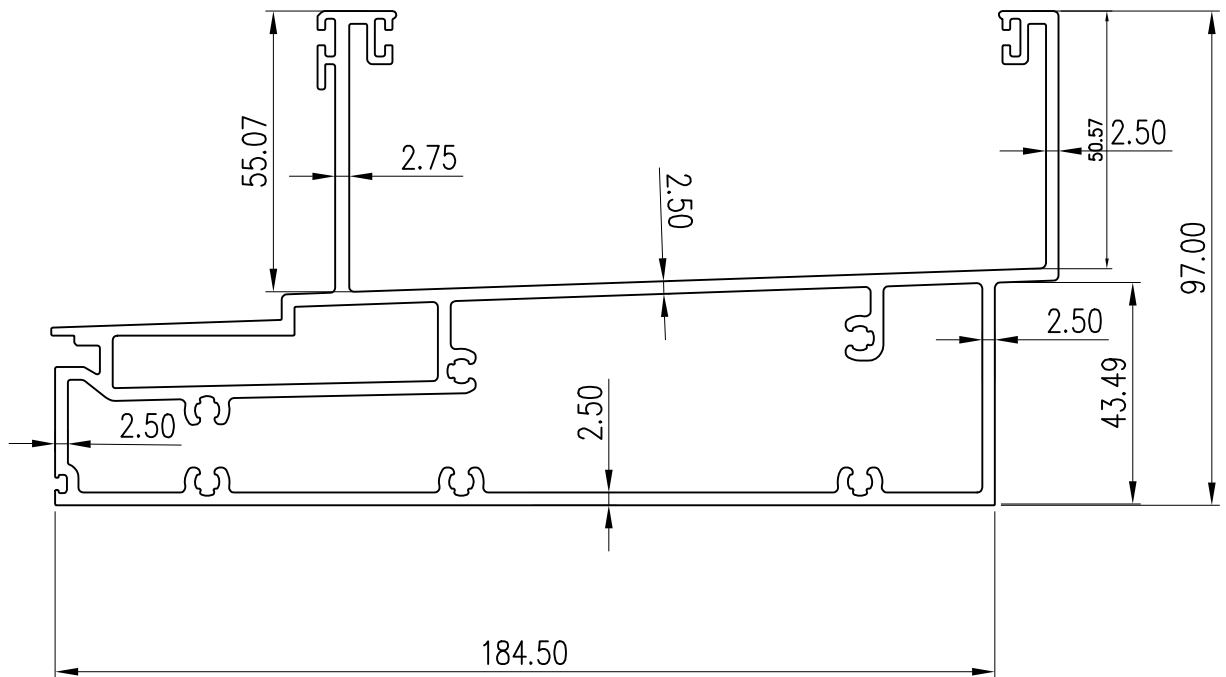
SILL M.I. & AREA

----- REGIONS -----

Area: 1678.2195
 Perimeter: 1185.9243
 Bounding box: X: -86.1071 -- 116.5932
 Y: -38.4387 -- 22.2409
 Centroid: X: 0.0000
 Y: 0.0000
 Moments of inertia: X: 762208.9038
 Y: 6938318.7285
 Product of inertia: XY: 555831.3533
 Radii of gyration: X: 21.3114
 Y: 64.2988
 Principal moments and X-Y directions about centroid:
 I: 712584.4770 along [0.9960 0.0889]
 J: 6987943.1552 along [-0.0889 0.9960]

Q033349

GUTTER M.I. & AREA



REGIONS -----

Area: 1940.4525

Perimeter: 1578.3325

Bounding box: X: -95.4559 -- 102.2959

Y: -32.8194 -- 64.1806

Centroid: X: 0.0000

Y: 0.0000

Moments of inertia: X: 1467686.7715

Y: 7658141.5469

Product of inertia: $XY: -705878.5898$

Radii of gyration: X: 27.5021

Y: 62.8218

Principal moments and X-Y directions about centroid:

l: 1388217.7697 along [0.9937 0.1119]

J: 7737610.5486 along [-0.1119 0.9937]