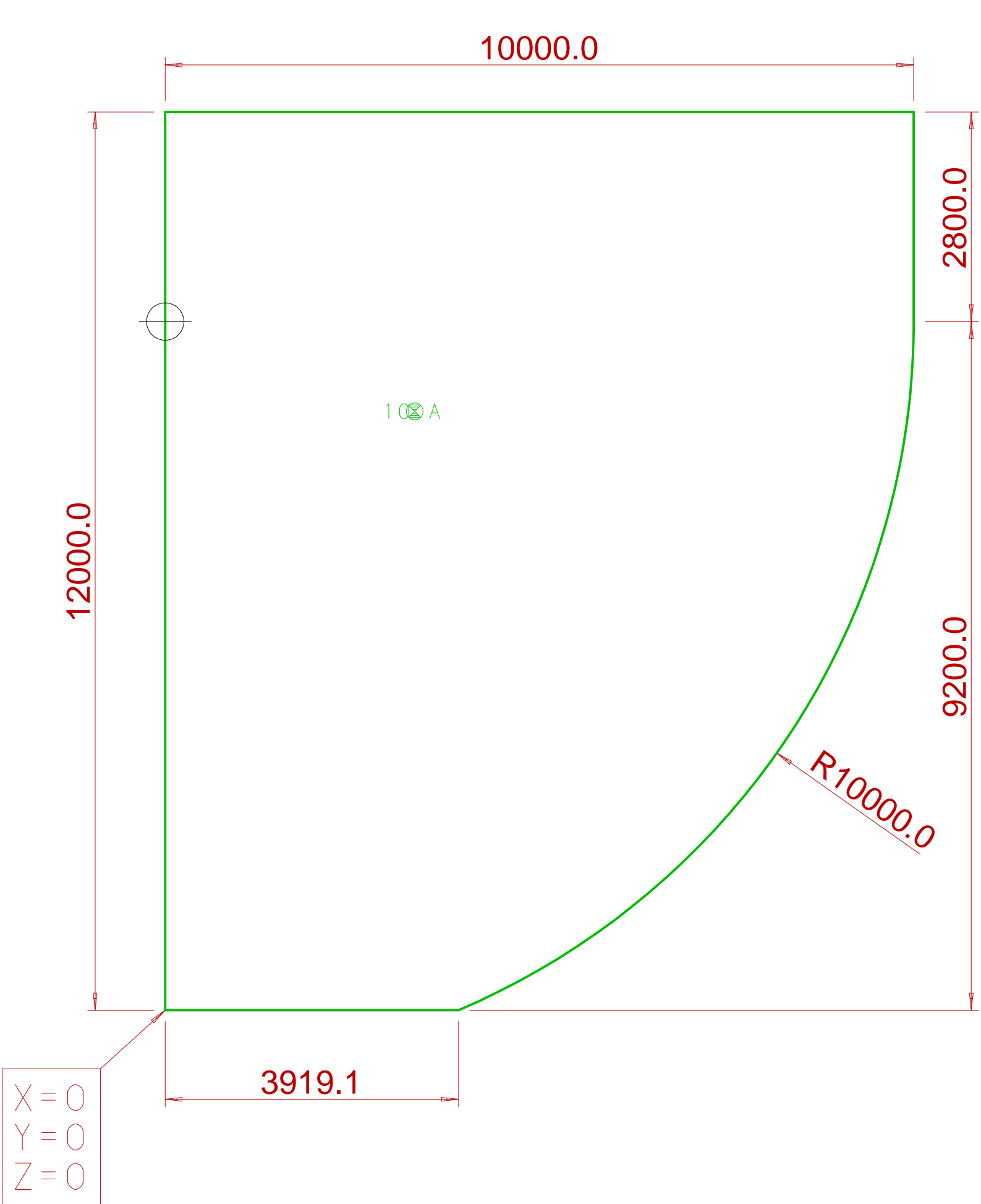


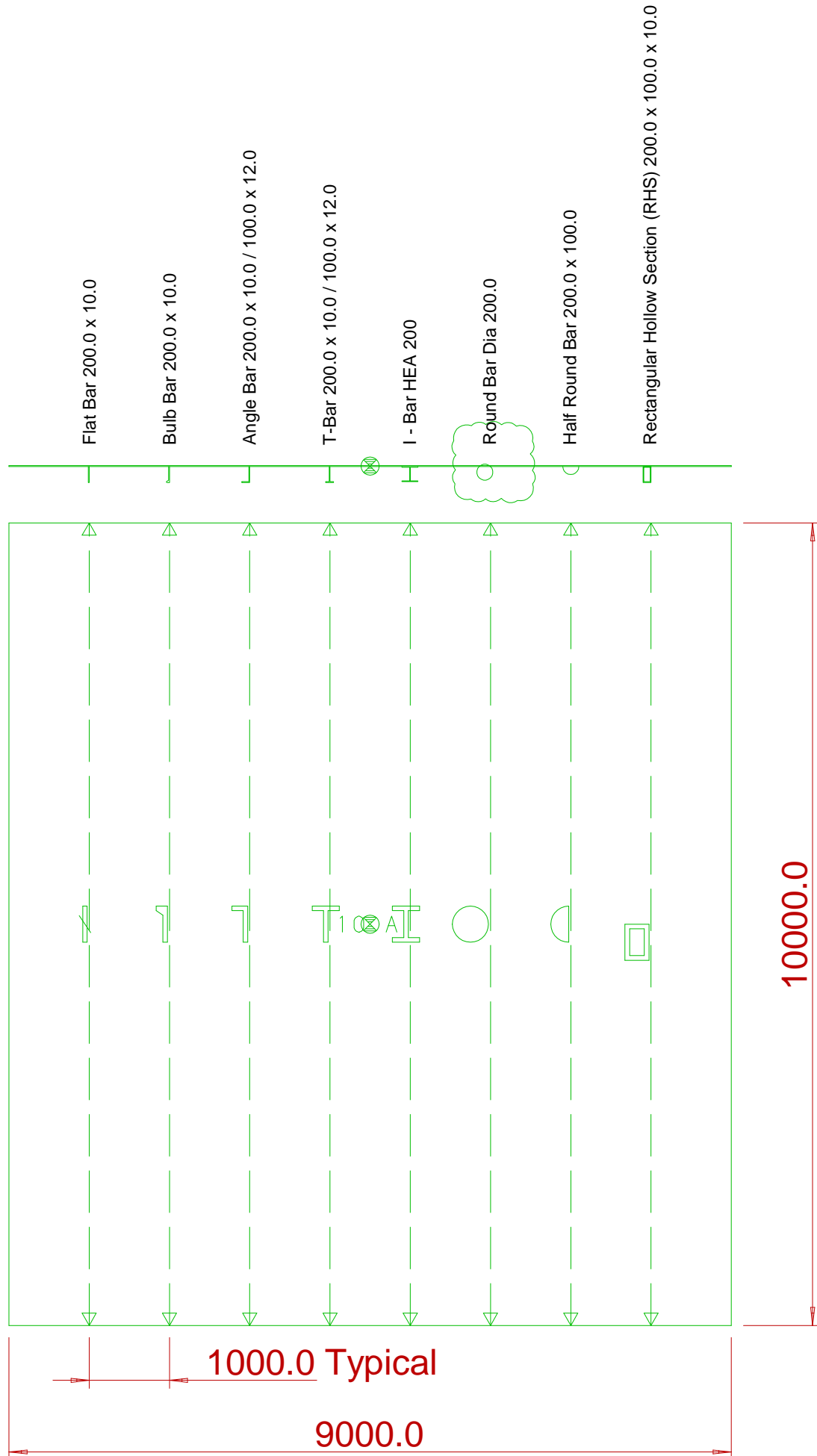
## Test Case 1

Flat Plate 10m x 10m x 10mm on XY Plane  
Origin at bottom left corner



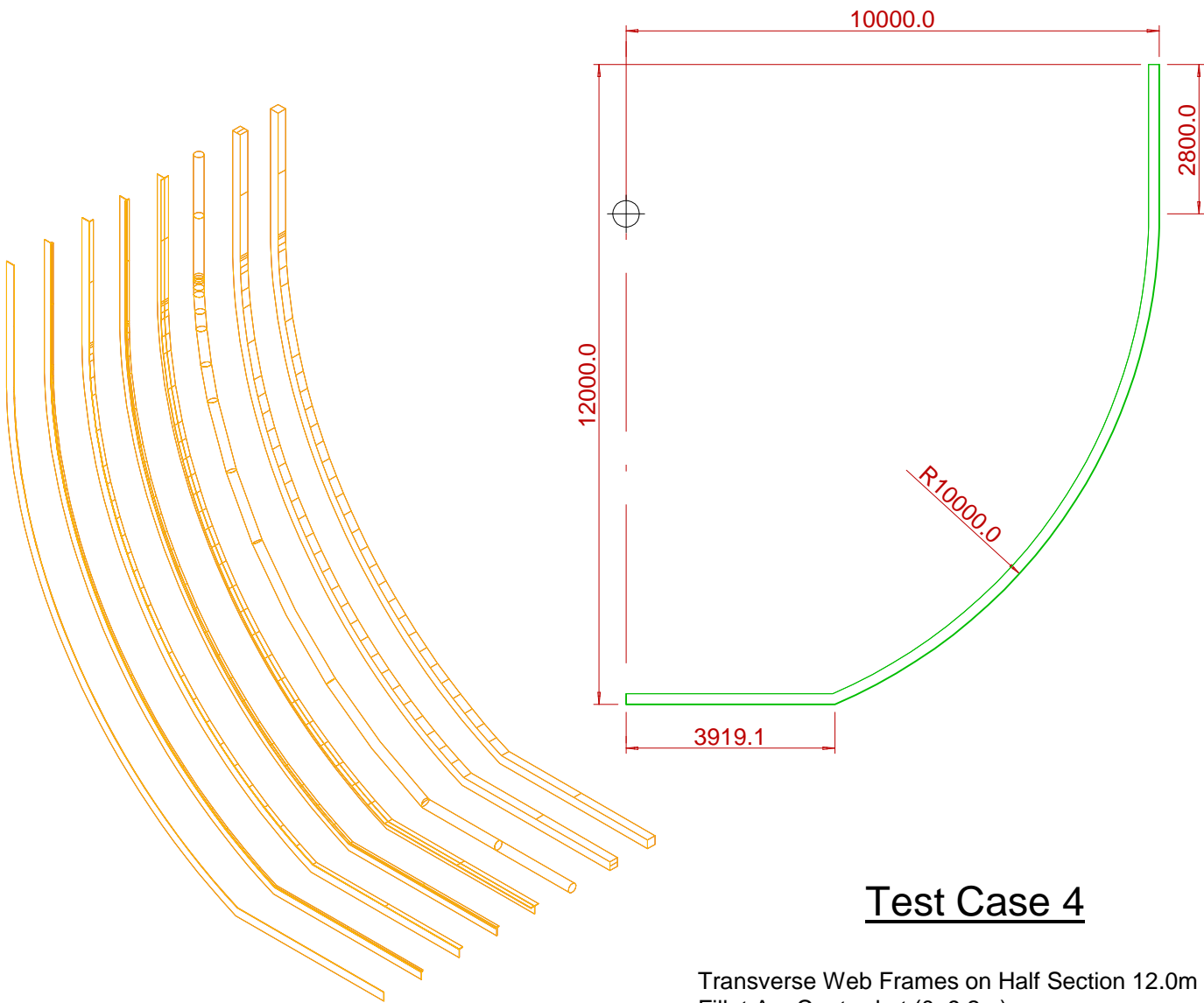
## Test Case 2

Plate 10m x 12m x 10mm in YZ Plane  
Fillet Arc with centre at (0,9.2m)



## Test Case 3

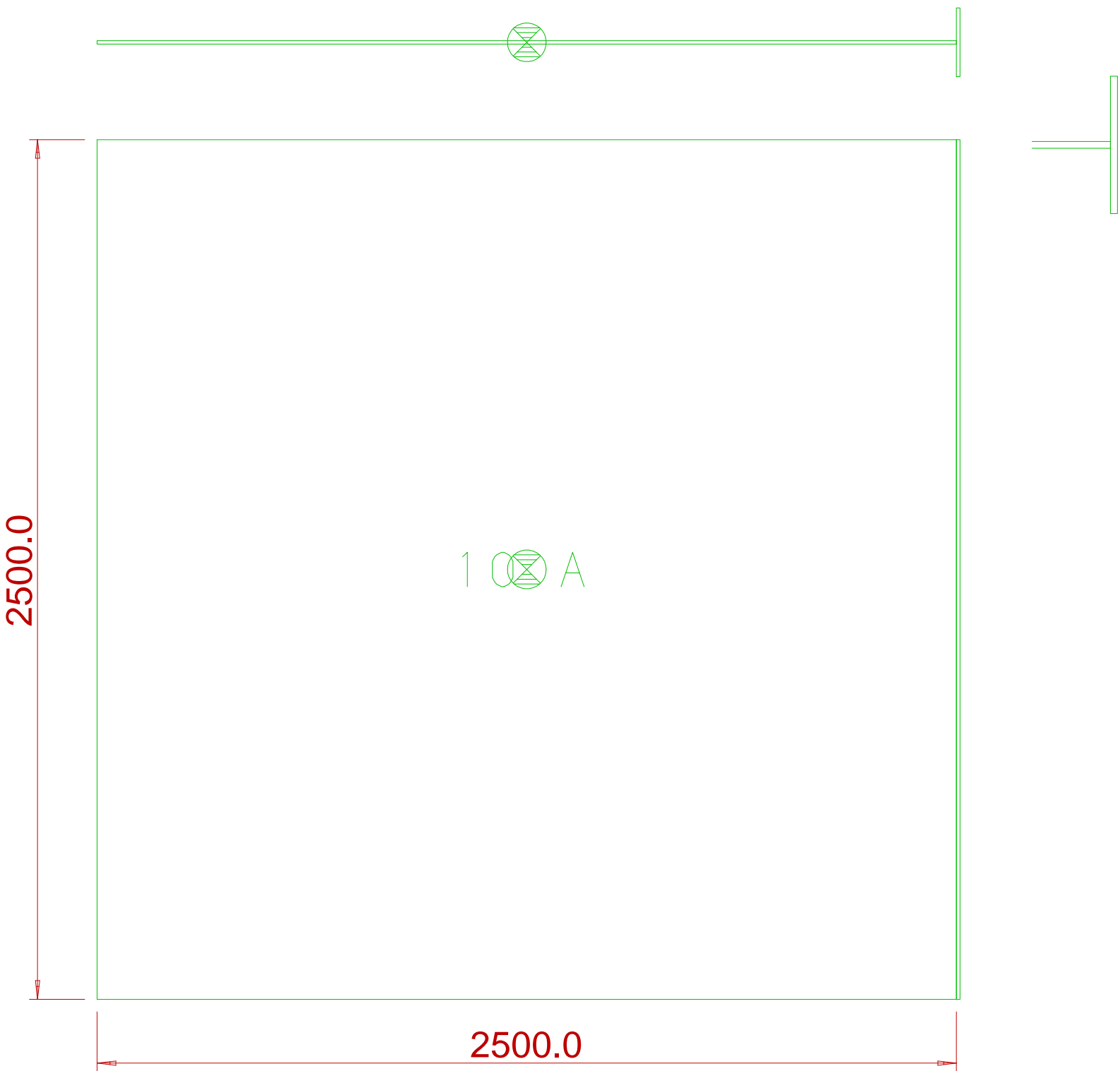
Plate 10m x 9m x 10.0mm  
8 Profiles 10m long with 1.0m Spacing



## Test Case 4

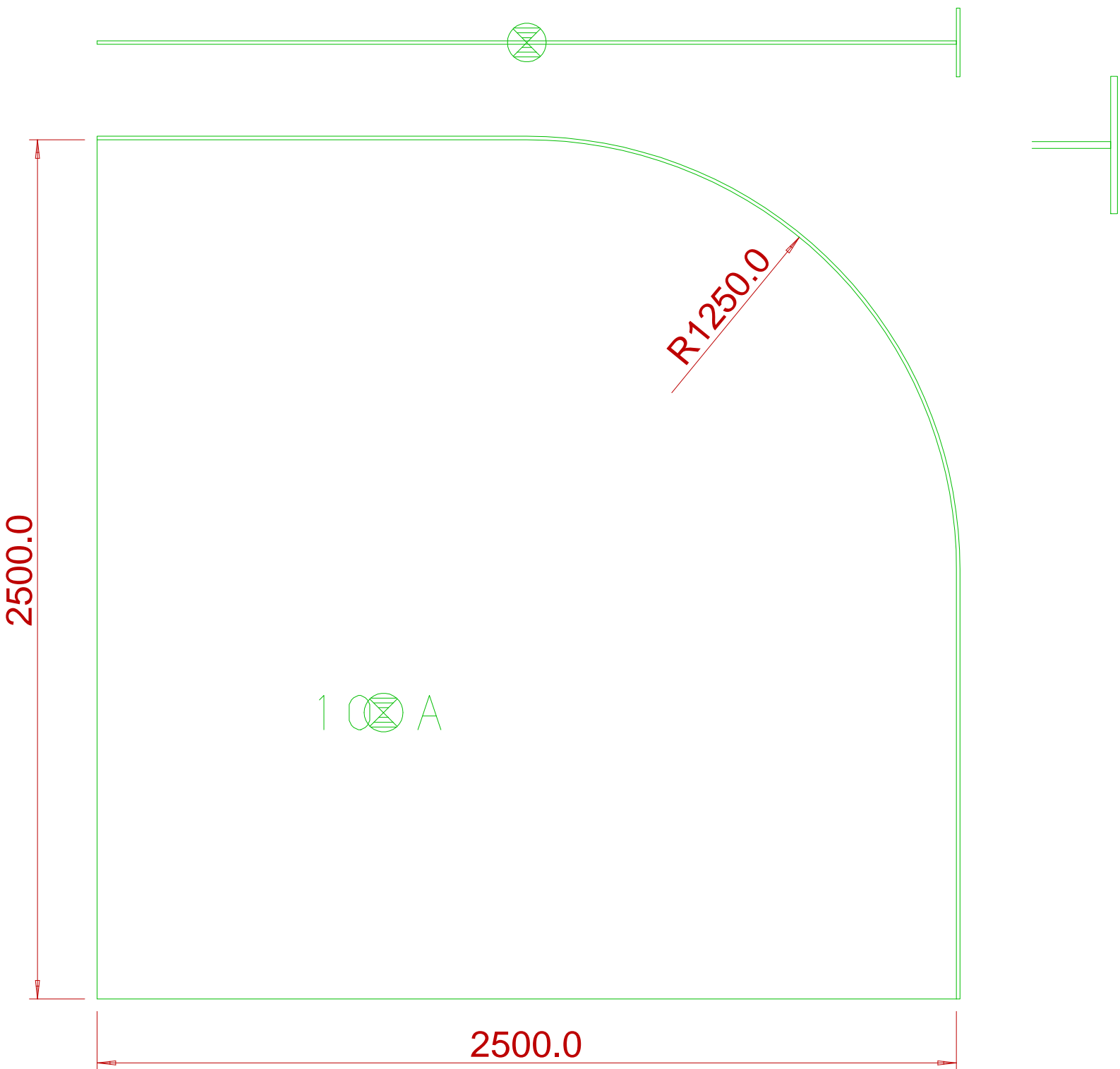
Transverse Web Frames on Half Section 12.0m x 10.0m  
 Fillet Arc Centred at (0, 9.2m)

Profiles:		
Flat Bar .....	200.0 x 10.0	
Bulb Bar .....	200.0 x 10.0	
Angle Bar .....	200.0 x 10.0 / 100.0 x 12.0	
T - Bar .....	200.0 x 10.0 / 100.0 x 12.0	
I Bar .....	HEA 200	
Round Bar .....	Dia 200.0	
Half Round Bar .....	200.0 x 100.0	
Rectangular Hollow Section (RHS) ..	200.0 x 100.0 x 10.0	



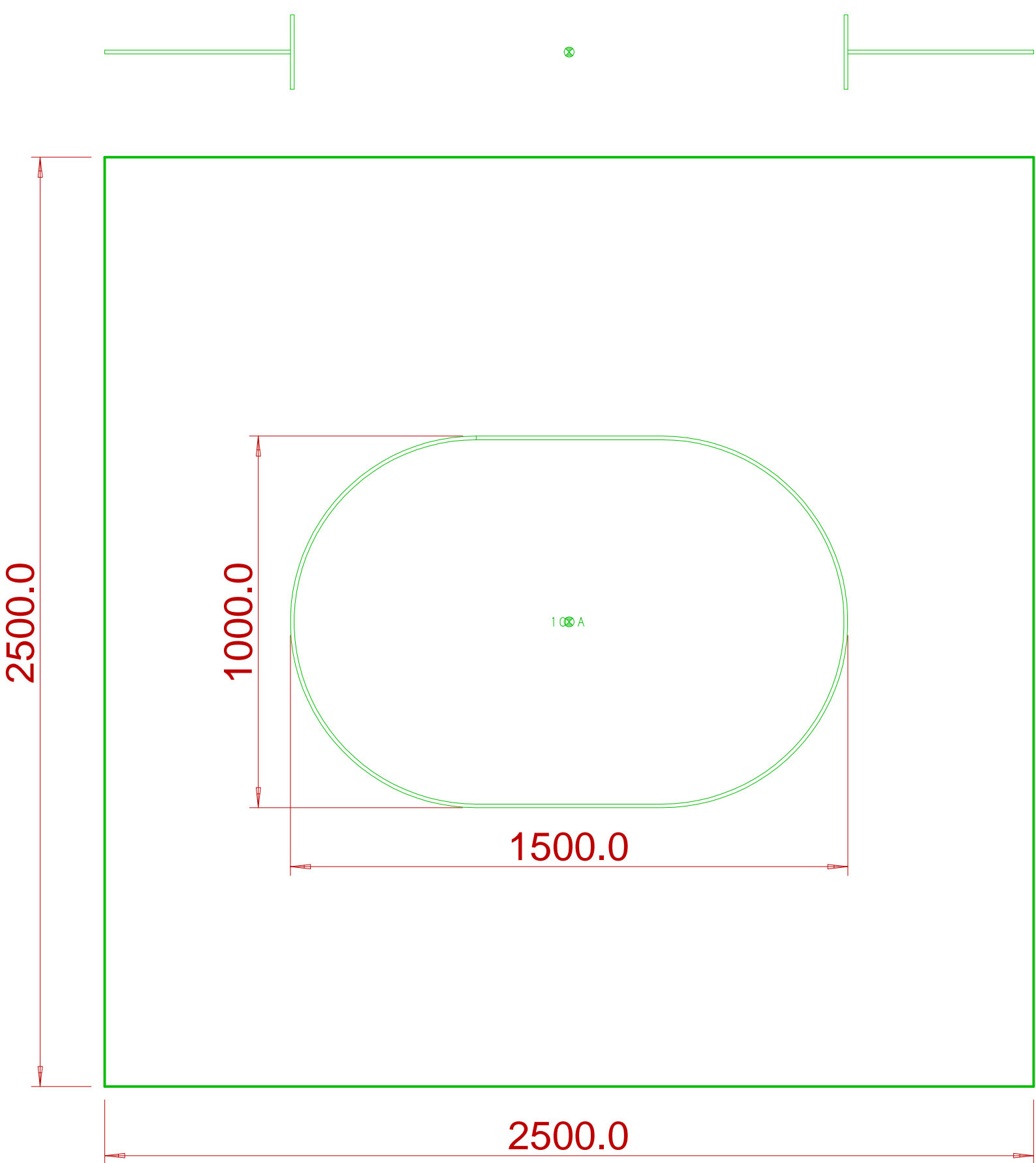
## Test Case 5

Plate 2.5m x 2.5x x 10.0mm on XY Plane  
Flange FB 200.0 x 10.0 on Right Edge



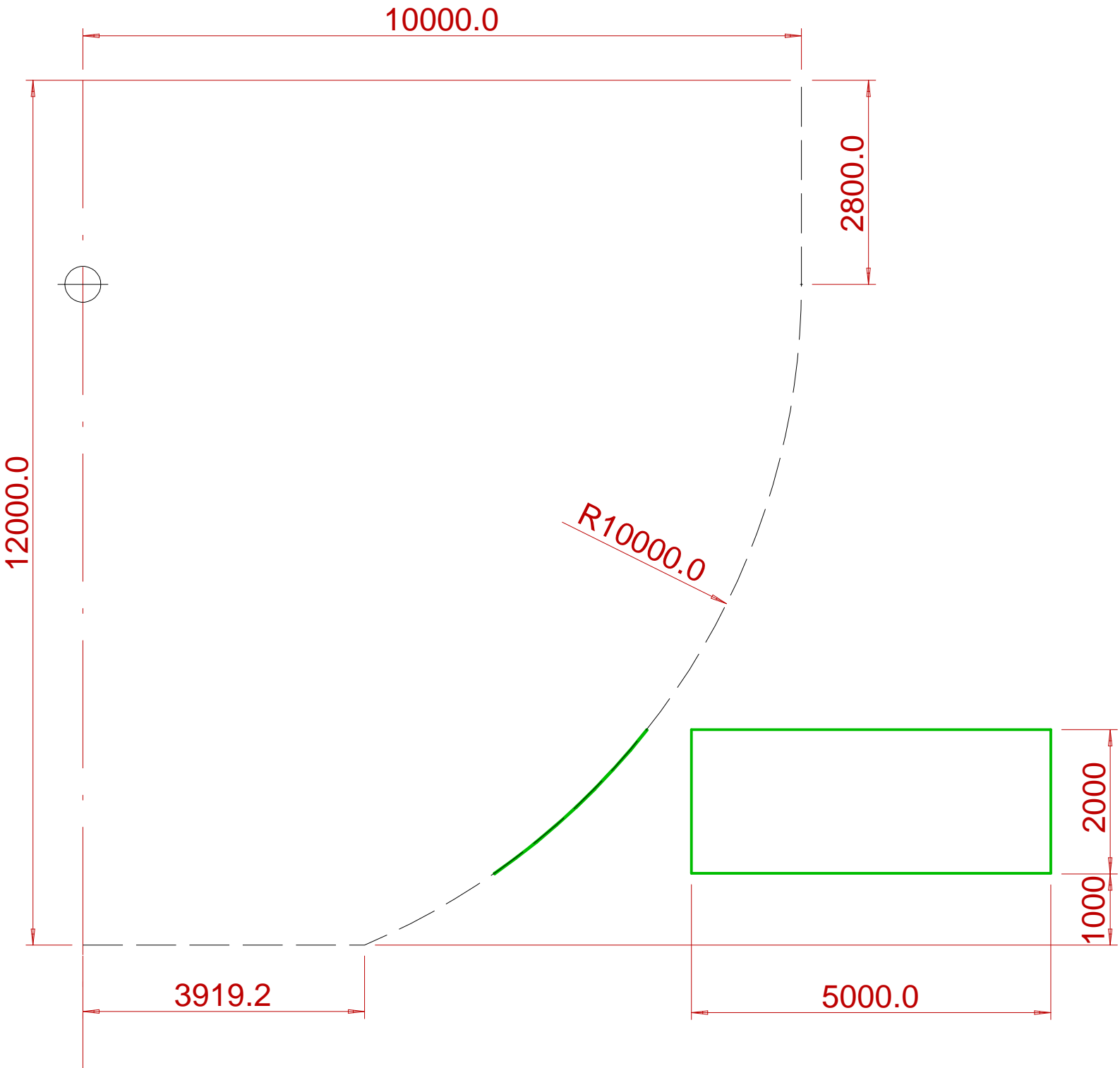
## Test Case 6

Plate 2.5m x 2.5x x 10.0mm on XY Plane  
1.25m Fillet Arc at top right corner  
Flange FB 200.0 x 10.0 on Right Edge



## Test Case 7

Plate 2.5m x 2.5m x 10.0mm on XY Plane  
1.5m x 1.0m hole on centre of plate  
Flange FB 200.0 x 10.0 in hole



## Test Case 8

Shell Plate 5m long, with vertical seams at 1m and 3m  
Longitudinal Cylindrical Surface with axis at (0, 9.2m), Radius 10.0m