

# Example: Split Offset with Rotation web growth profile

A rotation is specified by a percentage ratio similar to a road grade. E.g., a 5% grade rises (or falls) 5 ft for every 100 ft of horizontal distance ("rise over run"). To compute the percentage for a desired rotation, pick a point of the image that is to be rotated closer to the edge of the medium. Choose how much closer to the edge you want that point to be, i.e., the amount that the point needs to "shift" (e.g. .25"). Then measure the distance \*along\* that same edge from the centerline of the image to that point (e.g. 27.75"). Divide the shift by the distance and multiply by 100. (E.g.  $100 \times .25 / 27.75 = .9$ .)

A positive number causes the software to compensate by rotating the image in a counter-clockwise direction. A negative number causes clockwise rotation.

Profile Example (this includes split offset, but rotation tags could be used by themselves):

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE profile SYSTEM "WebGrowthProfile.dtd">
<profile>

<measurePosition x = "1" y = "1" unit = "inch" />
<measureShift x = "1" y = "1" unit = "mm" />

<plate tower="1" side="U" alignX="R" offsetX="-.12" >
<expansion xpercent="0.80" />
</plate>
<plate tower="2" side="U" alignX="R" offsetY="0.08" >
<expansion xpercent="0.50" />
</plate>
<plate tower="3" side="U" alignX="R" >
<expansion xpercent="0.20" />
<rotation angle="1" />
</plate>
<plate tower="4" side="U" alignX="R" >
<expansion xpercent="0.00" />
<rotation angle="-1" />
</plate>

</profile>
```