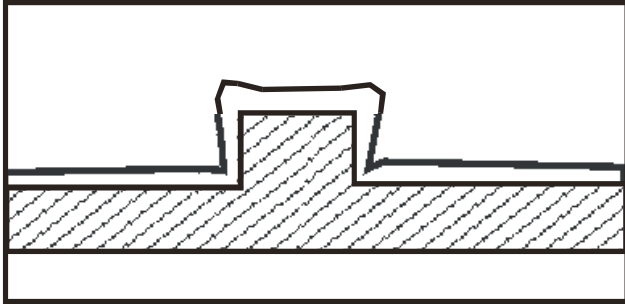
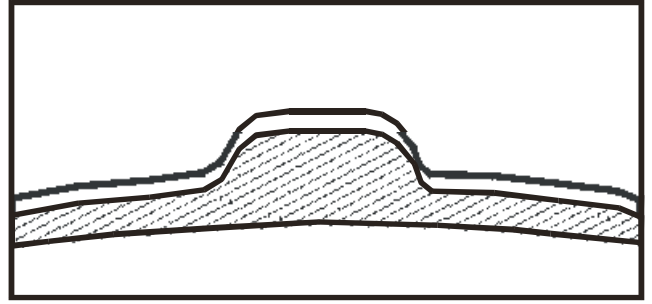


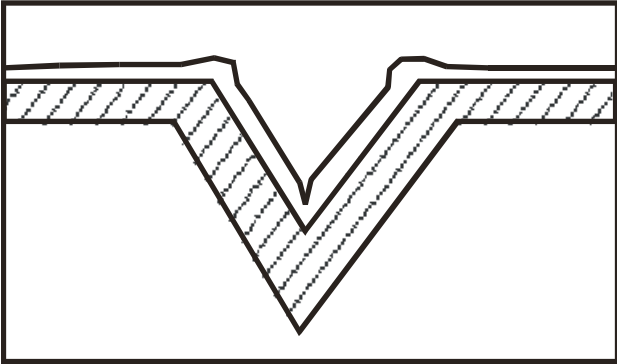
# SYMBOLS & LETTERS



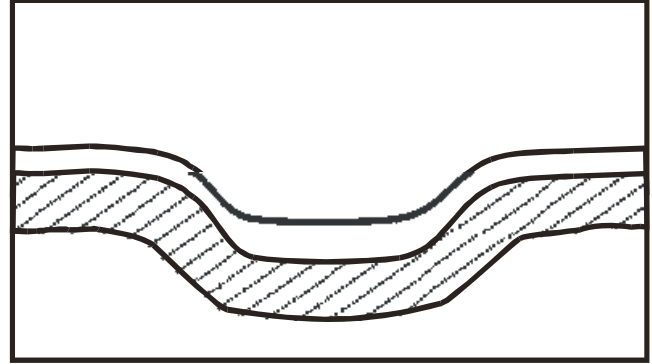
Original Design



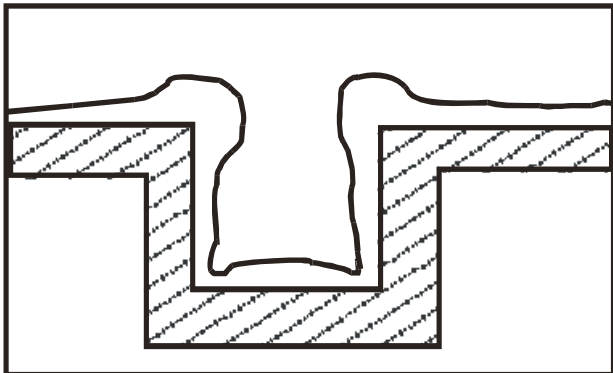
Suggested Design



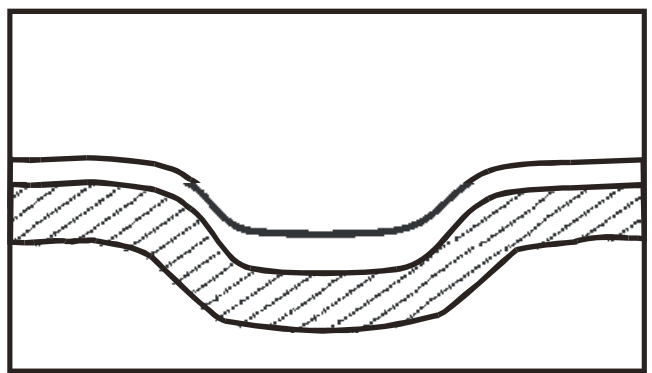
Original Design  
(V shaped grooves)



Suggested Design  
V shaped grooves are difficult to plate, rounded grooves are better

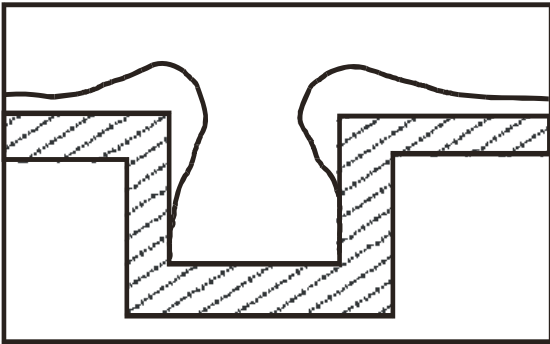


Original Design  
(Flat bottom grooves )

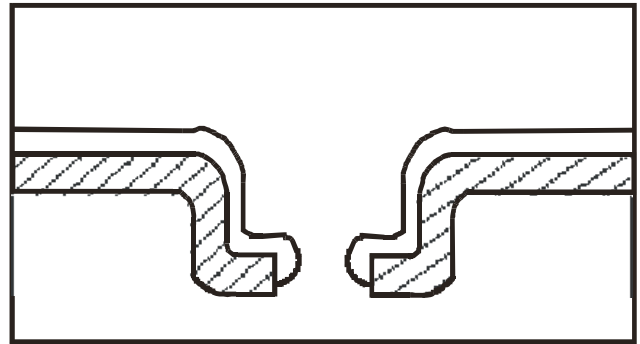


Suggested Design  
Rounded grooves limit the depth to 50% of their width

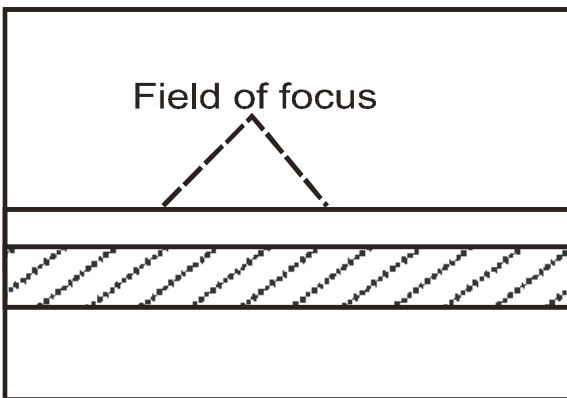
# BLIND HOLES



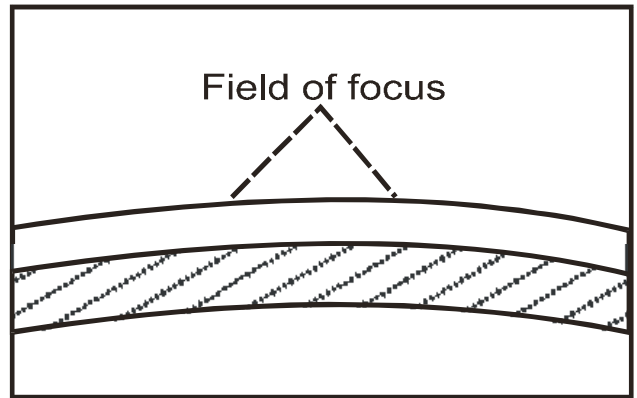
**Original Design**  
(Flat bottom grooves )



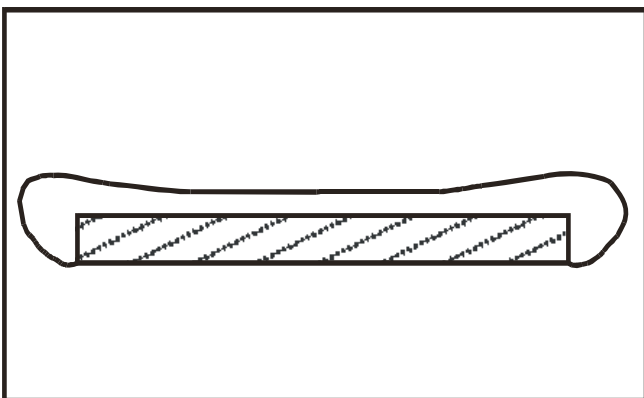
**Suggested Design**  
Avoid blind holes with a diameter less than 5.5mm. Provide drainage holes to avoid cross contamination



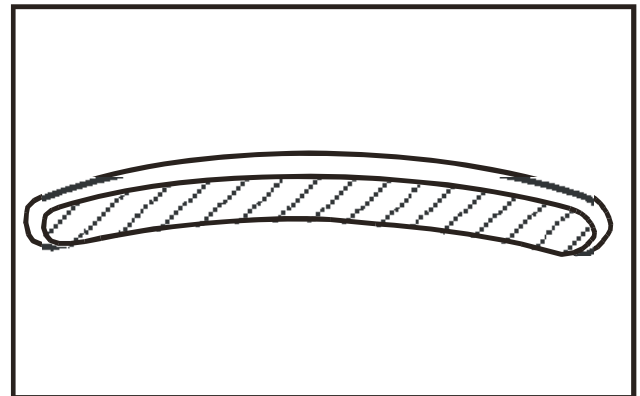
**Original Design**



**Suggested Design**  
Crowned surfaces tend to hide minor surfaces irregularities

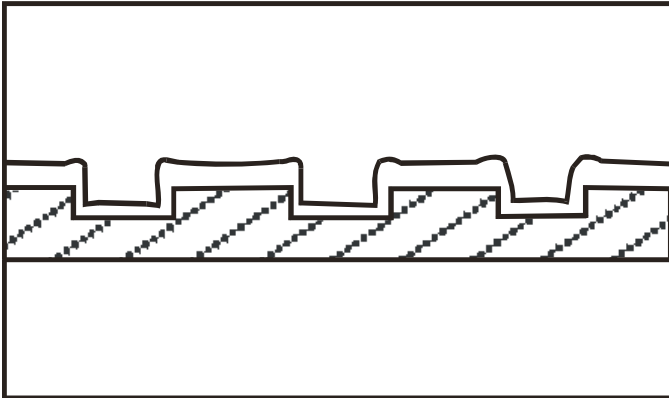


**Original Design**

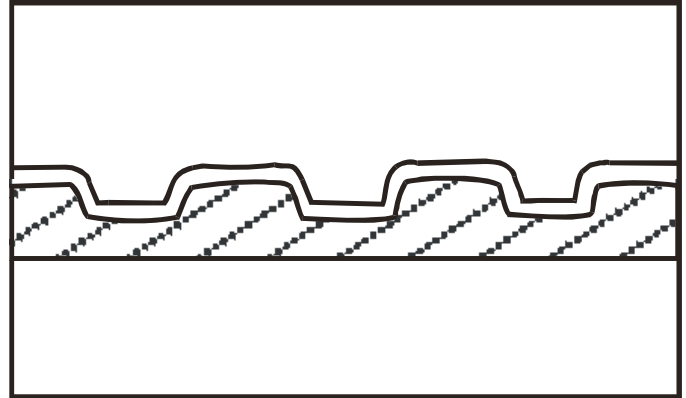


**Suggested Design**  
Expansive surfaces should be crowned to improve plate uniformity

## SLOTS



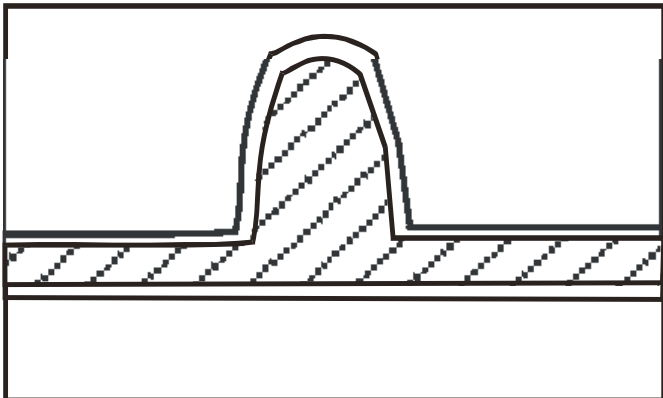
Original Design



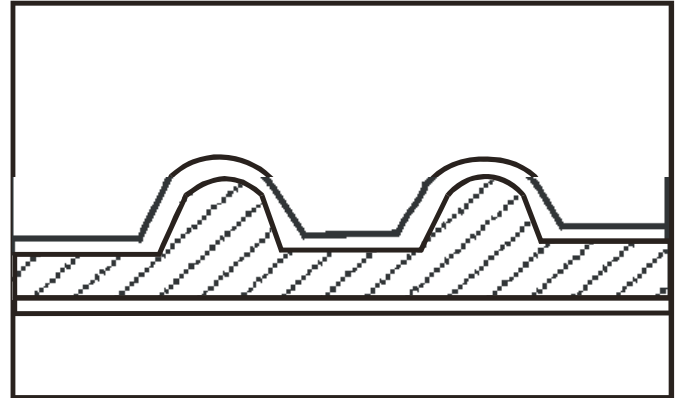
Suggested Design

Slots should have rounded corners to reduce plate build up in high current density areas

## RIBS & BOSSES

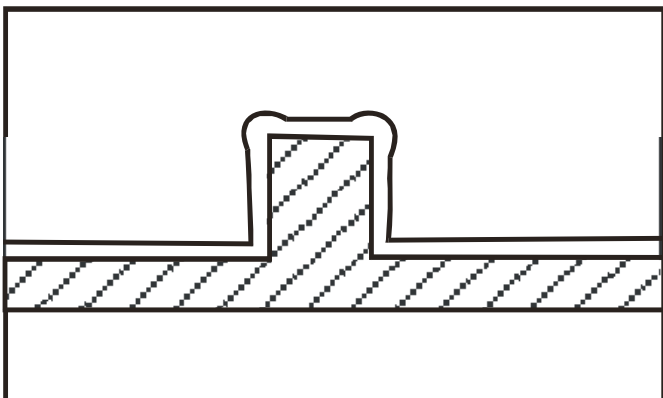


Original Rib Design

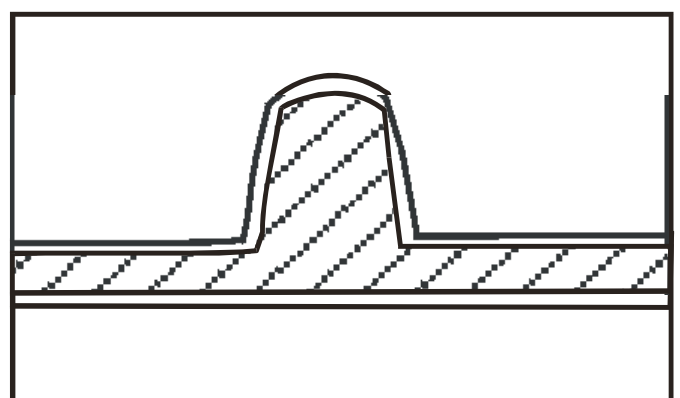


Suggested Design

Rib thickness should be no greater than half of adjacent wall thickness



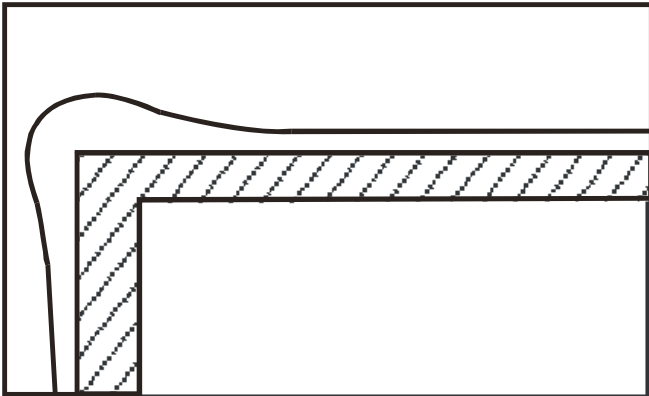
Original Boss Design



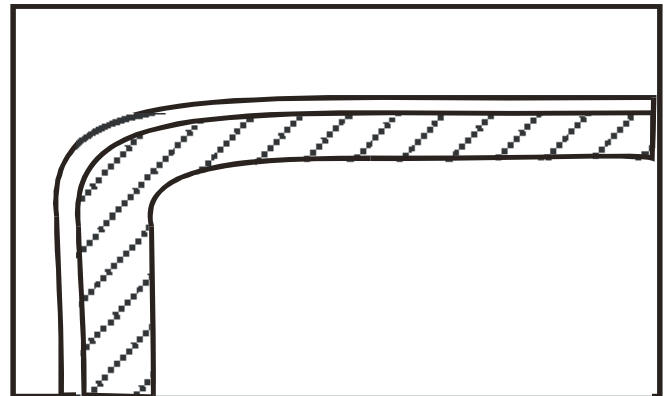
Suggested Design

Bosses and studs should be as round as possible. Tips must be rounded to prevent thick metal deposits

## ANGLES

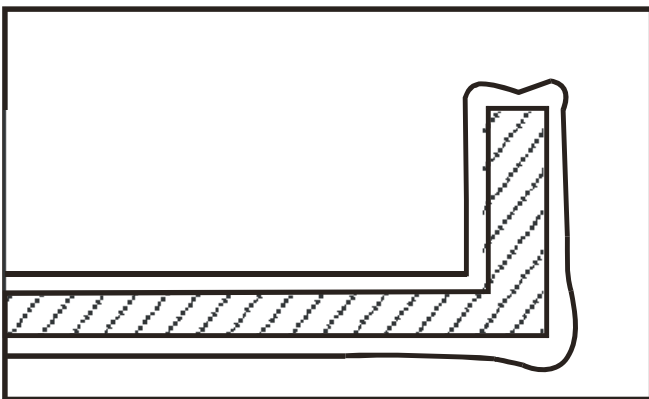


Original Design

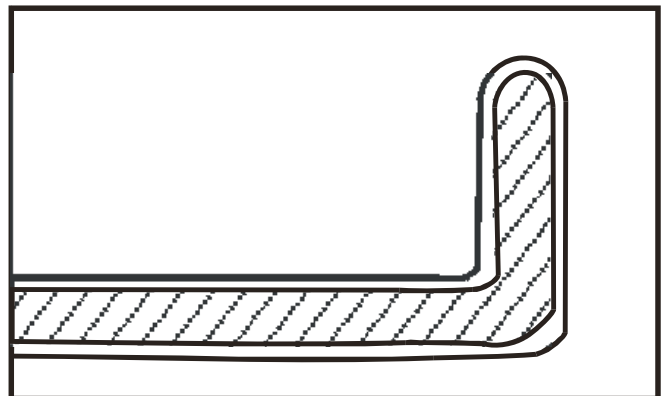


Suggested Design

All angles should be as large as possible with a minimum inside and outside radii of 1:6 and 0.8,, respectively



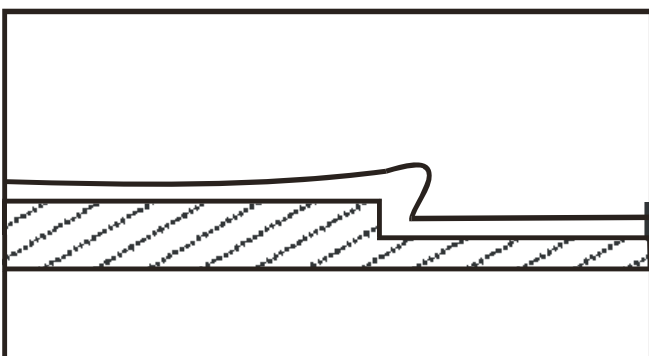
Original Design



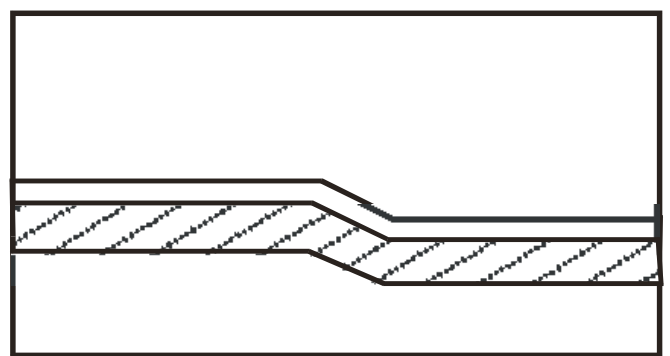
Suggested Design

All angles should be as large as possible with a minimum inside and outside radii of 1:6 and 0.8,, respectively

## WALL THICKNESS



Original Design



Suggested Design

Uniform wall thickness with graduations transformations from one wall section to another enhances plate plated part performance