

Super ladder 胶水图案设计

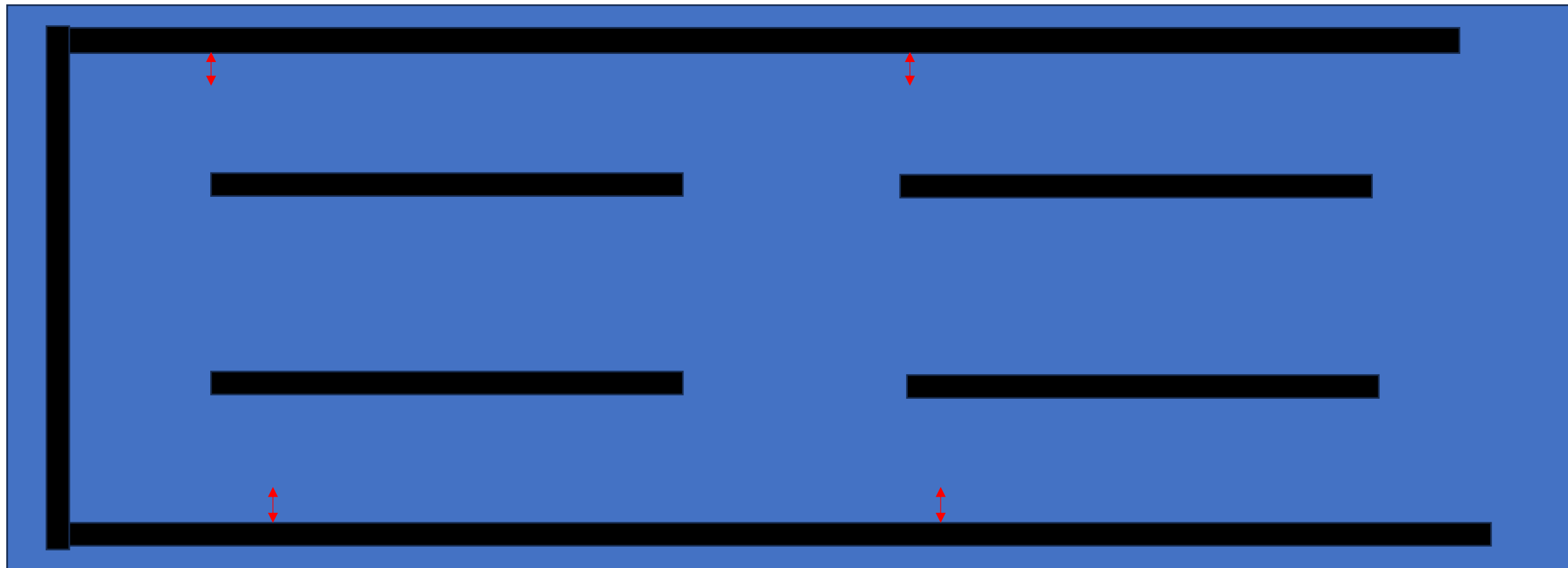
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徐子骏、袁煦昊

2026.09.18

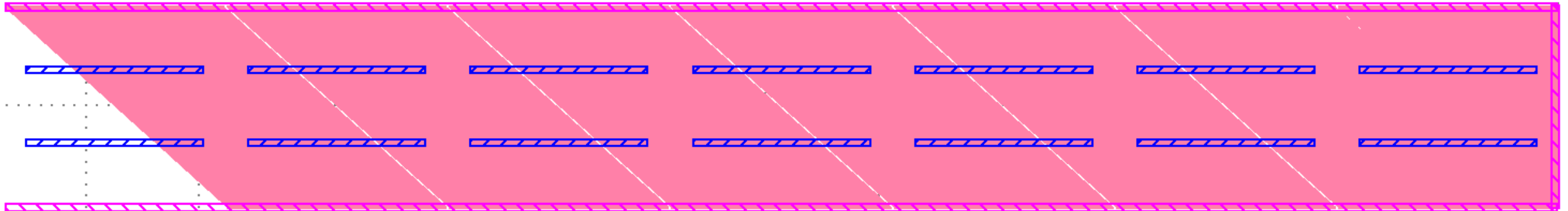
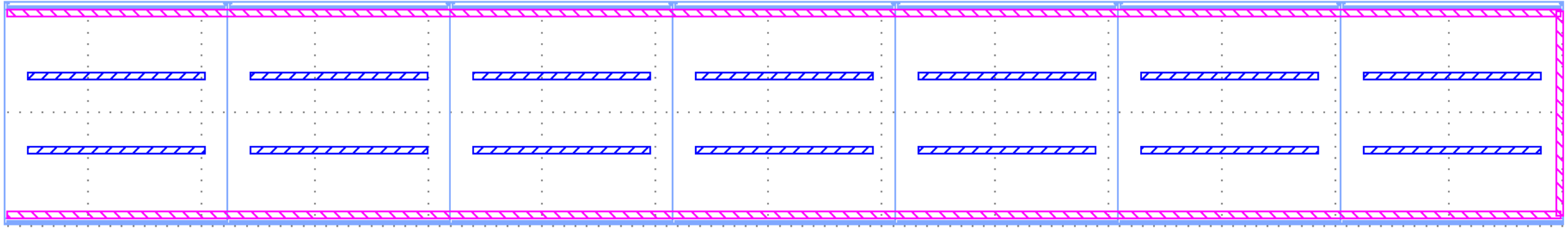
Z ladder SSD+Z flex 胶水图案 v1.0

SSD#1

SSD#2-7



Z ladder SSD+Z flex 胶水图案.dxf v1.1



Z ladder SBB+SSD 胶水图案 v1.0

胶宽2/3 mm

SSD#1



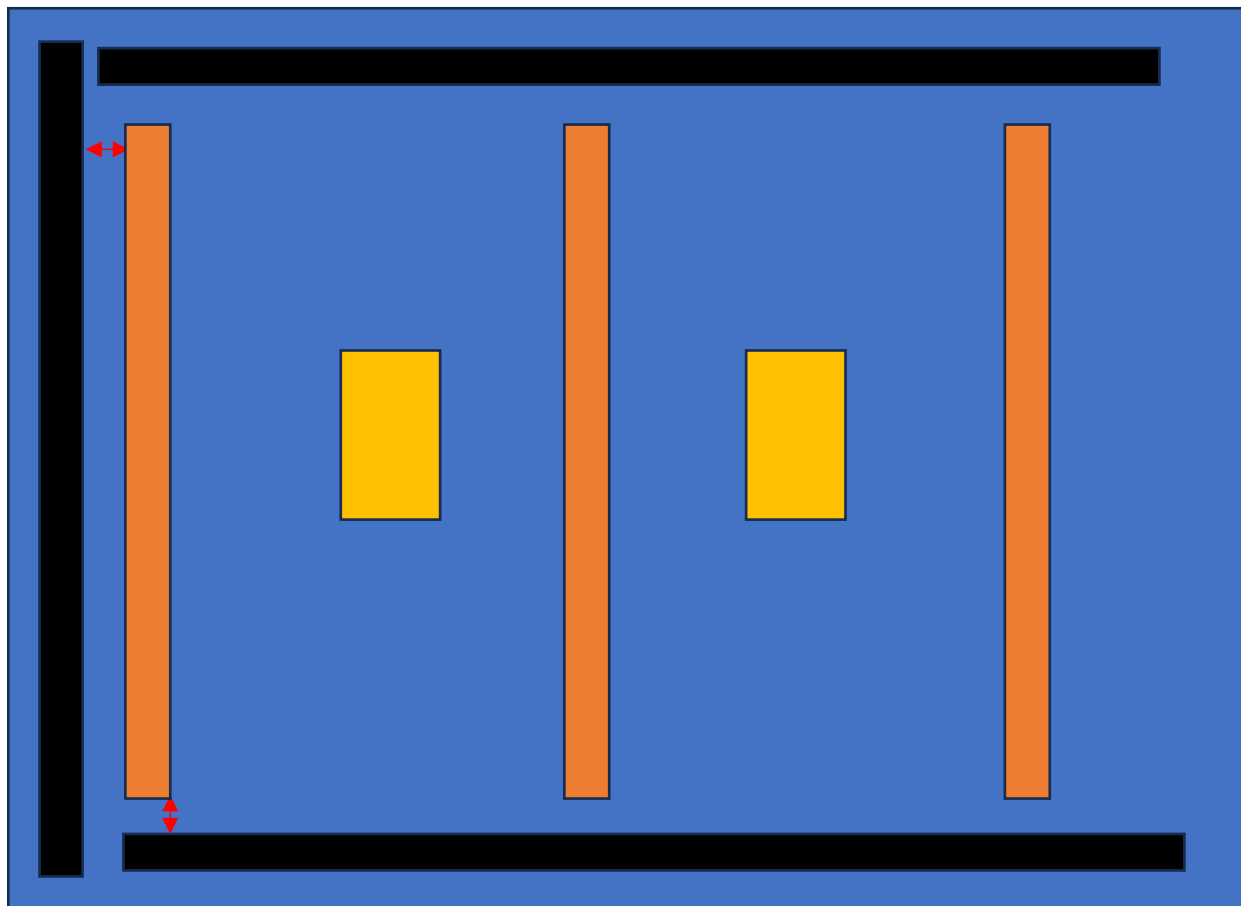
SSD#2-7



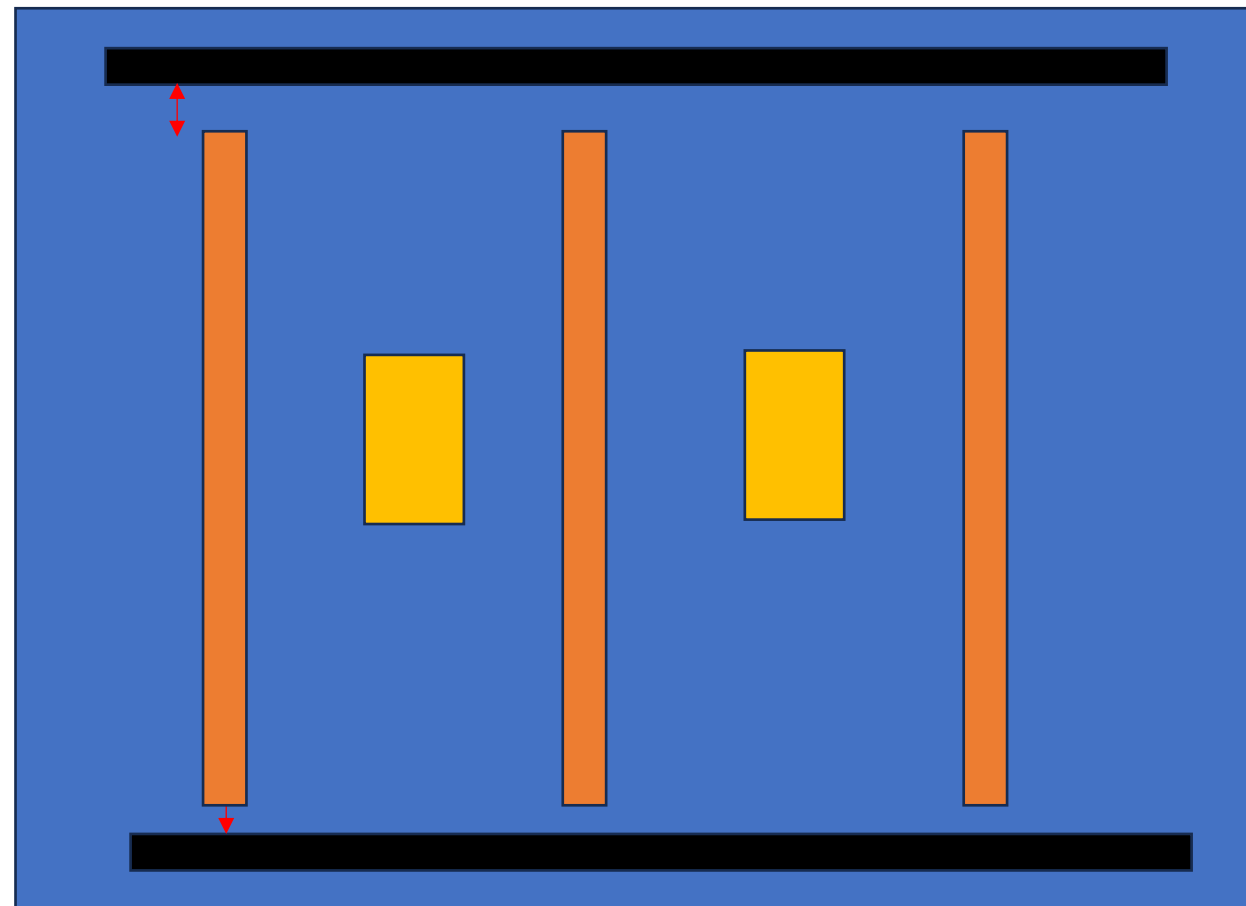
Z ladder SBB+SSD 胶水图案 v1.1

胶宽2/3 mm

SSD#1

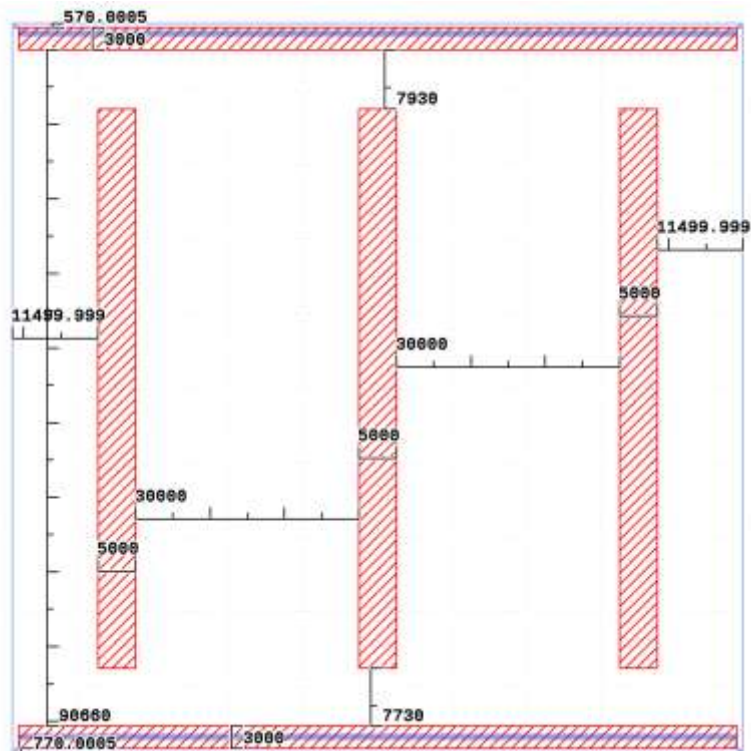
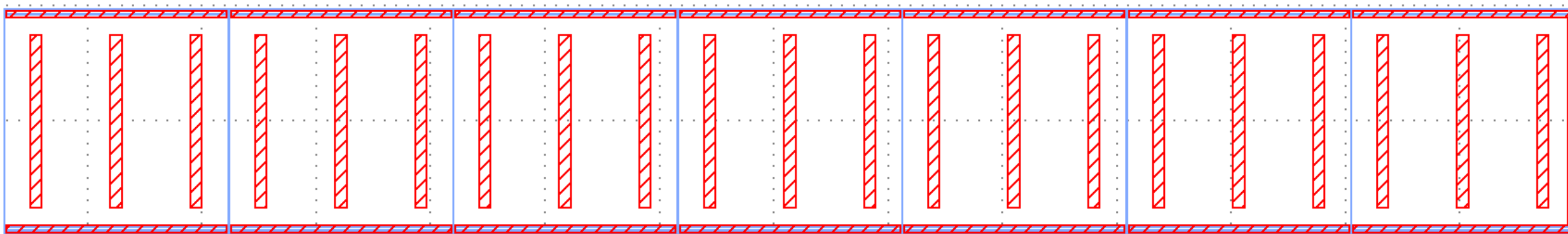


SSD#2-7

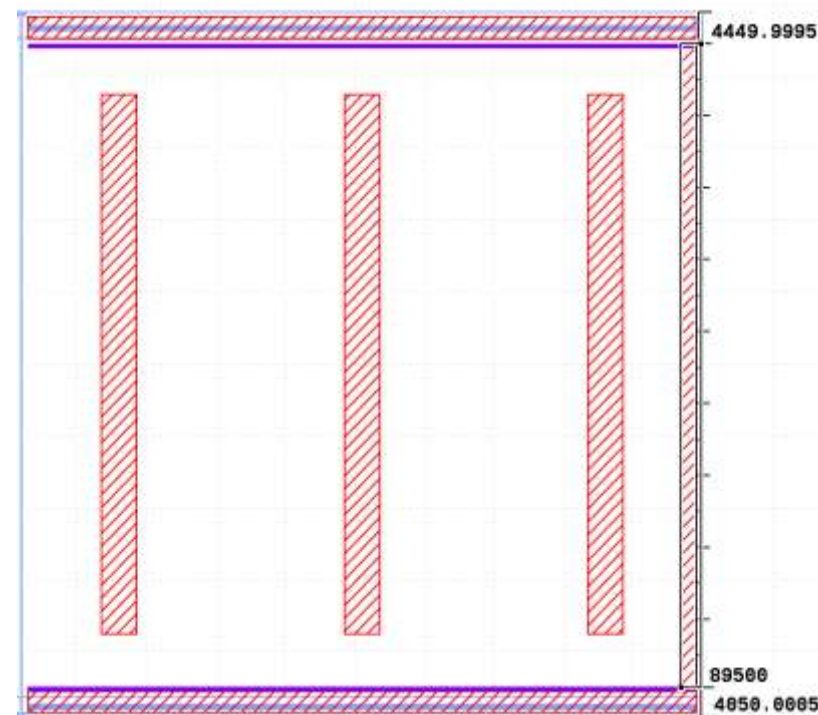


Z ladder SBB+SSD 胶水图案.dxf v1.1

胶宽2/3 mm

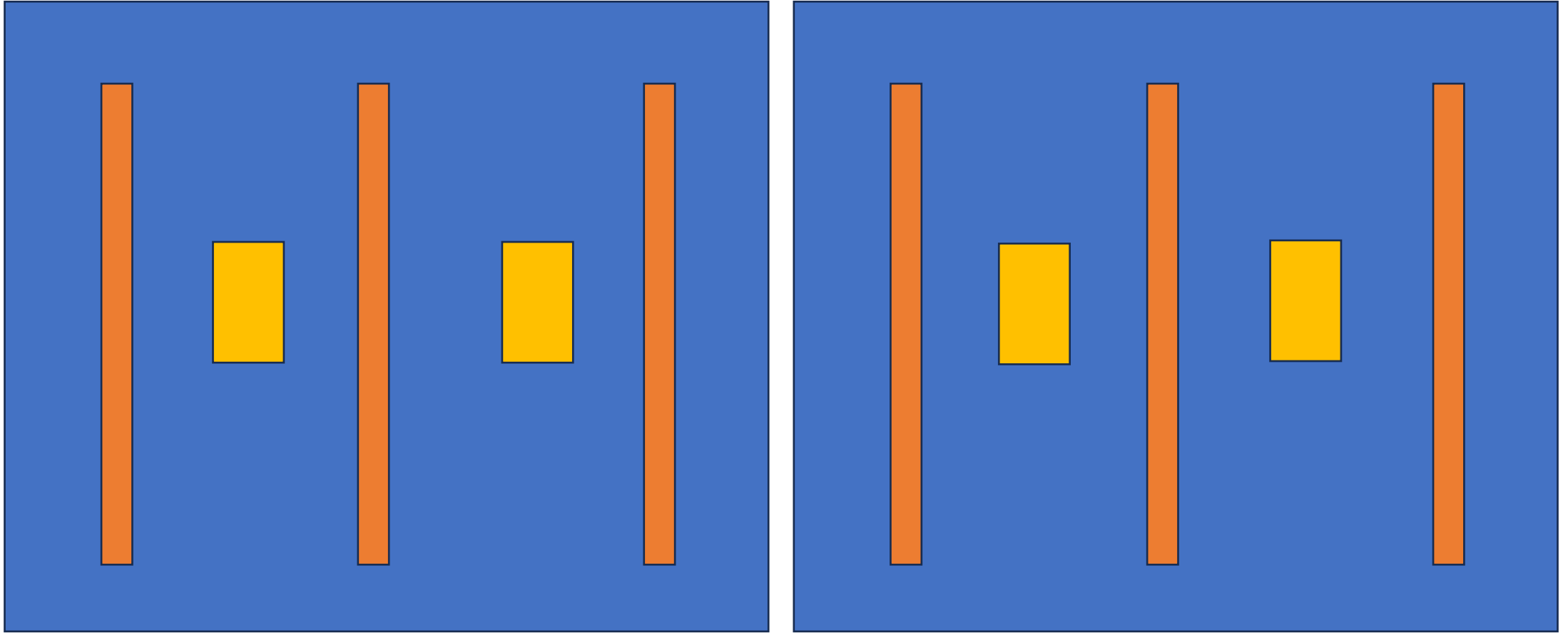


SSD#2-7

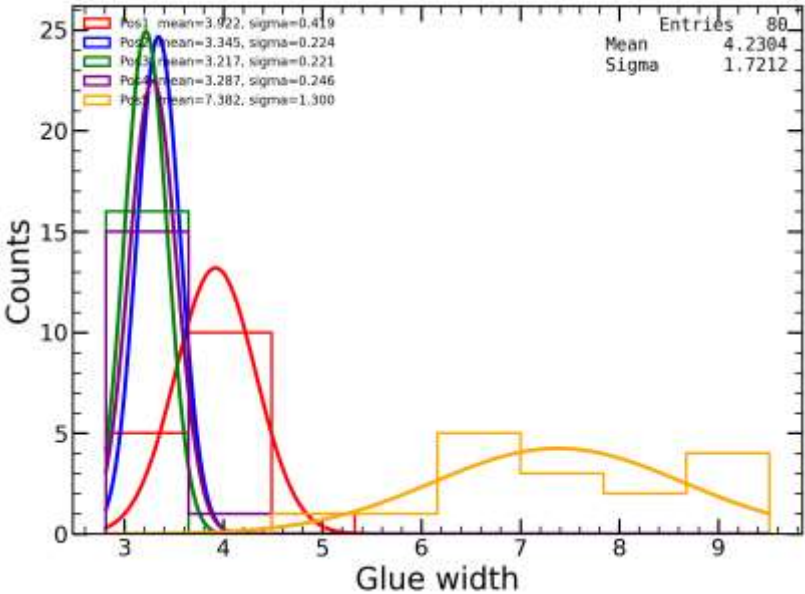


SSD#1

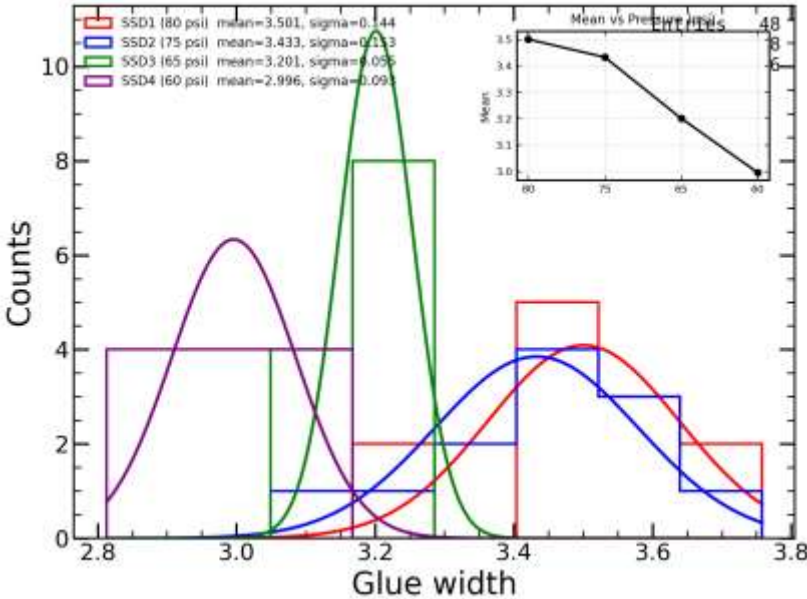
ARIEX 胶图案 v1.1



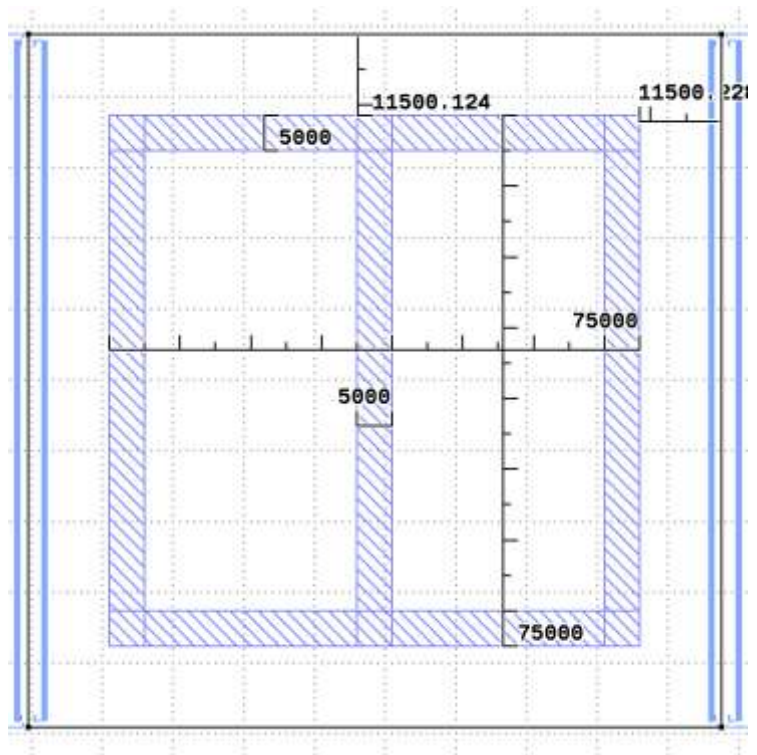
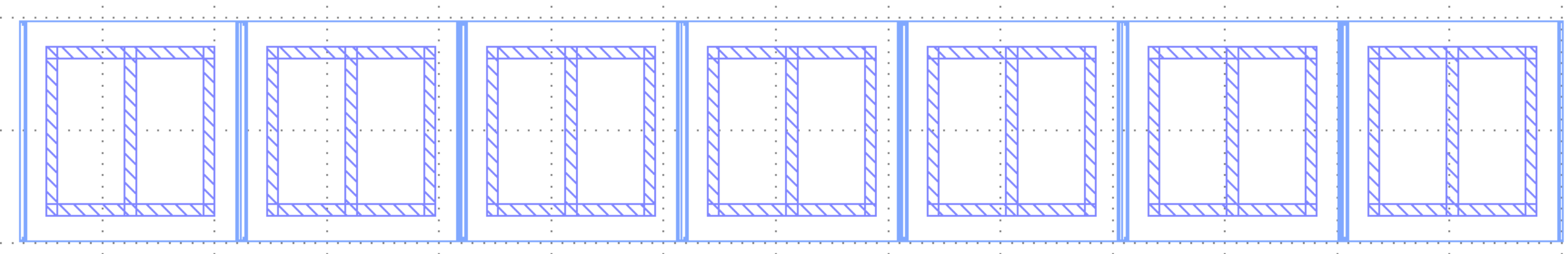
ARIEX 宽度限制3：胶线不干涉（AIREX投影胶线与焊盘投影胶线） #HALL 3



- 计算方式： $93.72 - 2W_{glue}$ (W_{glue} 为胶线宽度)
- 按照三号厅+新工装，压力在60psi时，胶水宽度测量结果为 $2.996 \pm 0.093 \text{ mm}$
- 按 $mean + 10\sigma$ 安全冗余约为3.1mm，AIREX 宽度为 87.52 mm ;
- 按照最大点pos5，胶水宽度为 $7.382 \pm 1.3 \text{ mm}$



ARIEX 胶图案.dxf v1.1



- 确定胶宽后，重新修正ARIEX宽度

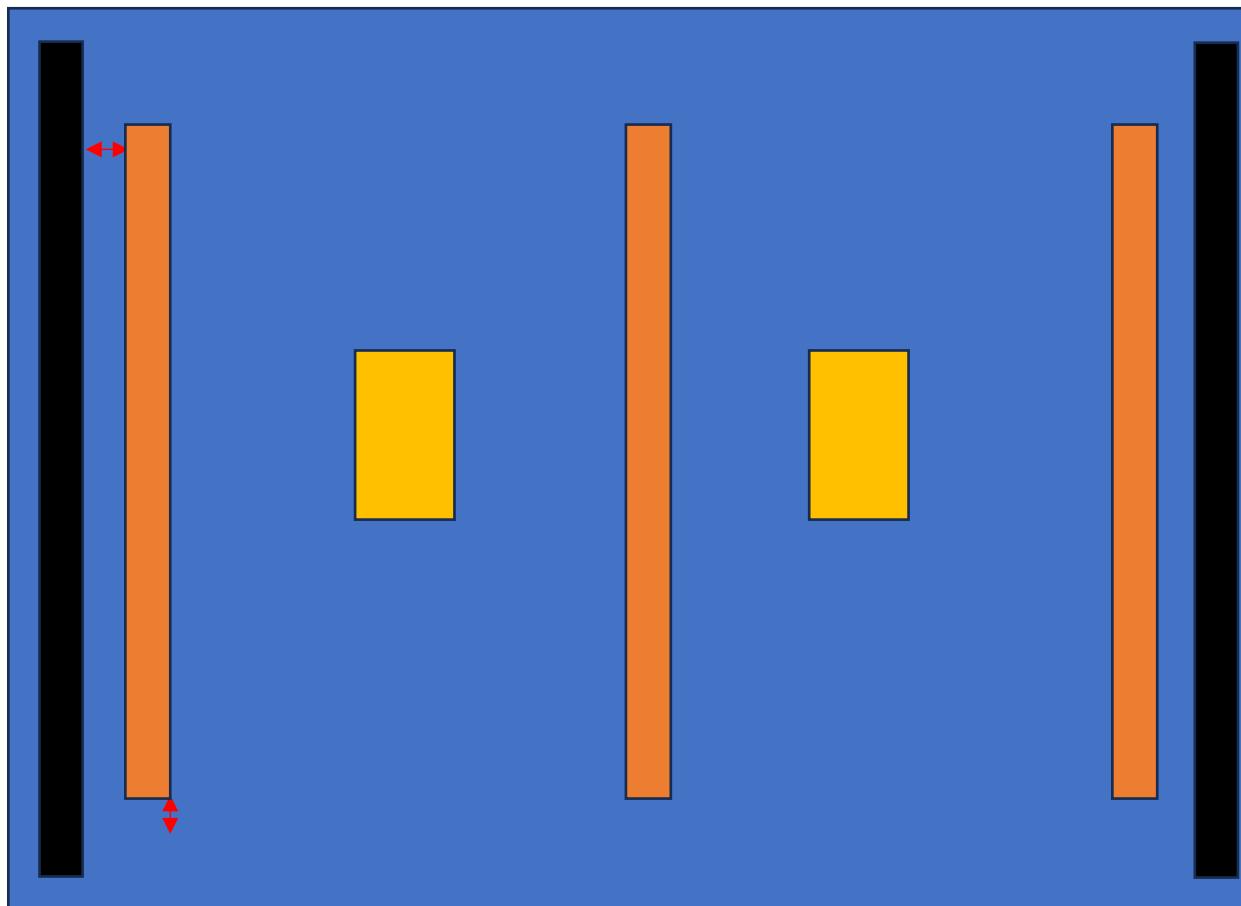
P ladder SSD+SBB 胶水图案 v1.0



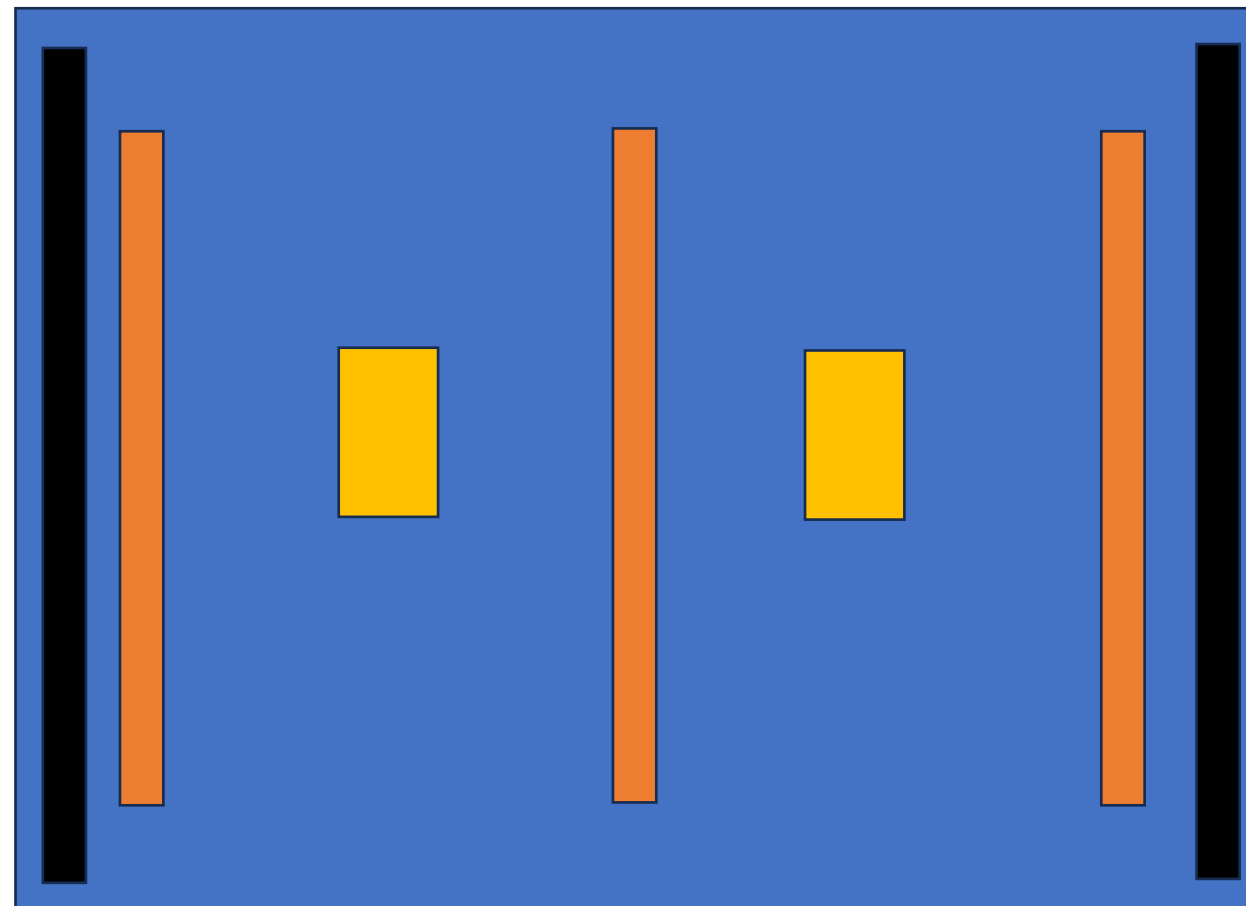
P ladder SBB+SSD 胶水图案 v1.1

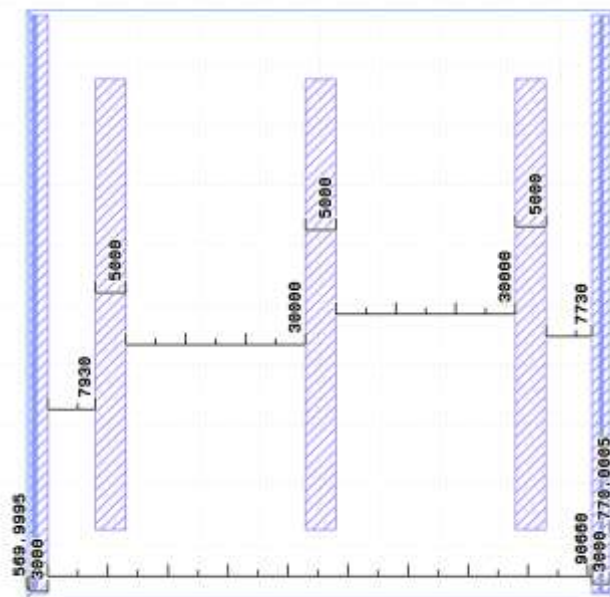
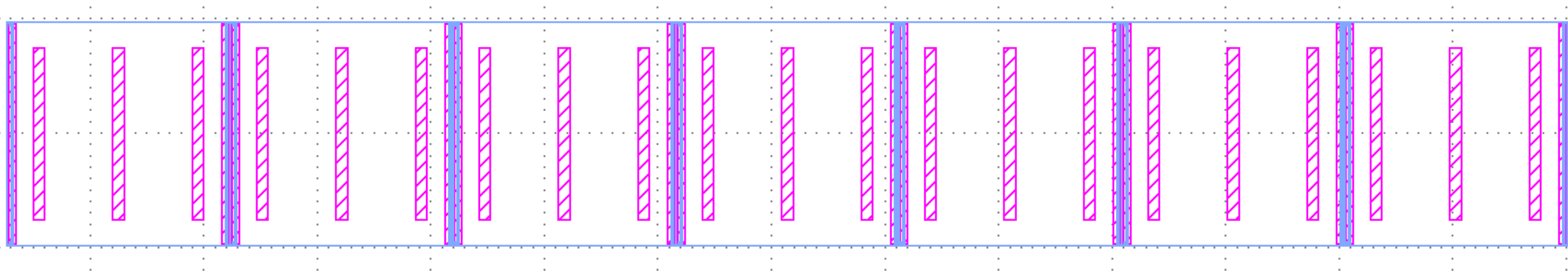
胶宽2/3 mm

SSD#1



SSD#2-7





- 右侧中心胶线位置距离硅片右边缘2070 μm ，压胶宽度3 mm，长度是96300，压胶后胶水边缘距离硅片边缘570 μm 。
- 左侧中心胶线位置距离硅片左边缘2270 μm ，压胶宽度3 mm，长度是96300，压胶后胶水边缘距离硅片边缘770 μm 。

Thanks for your attention