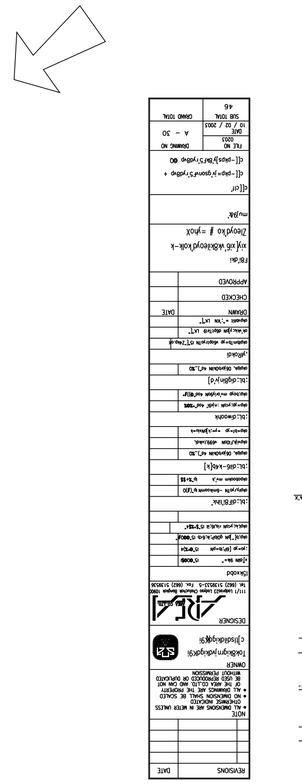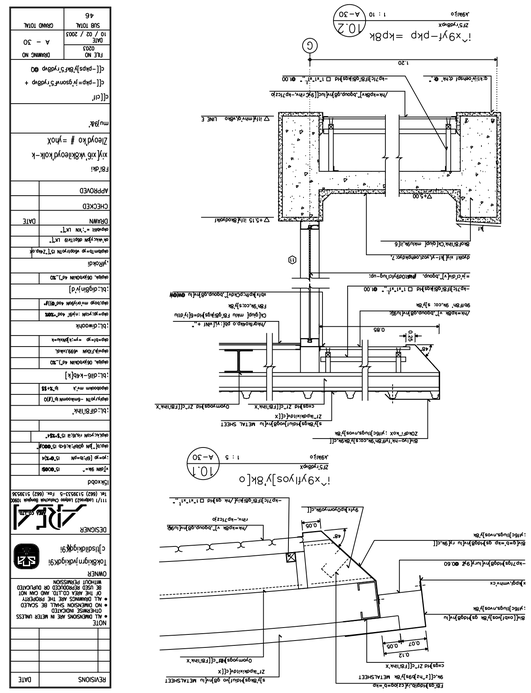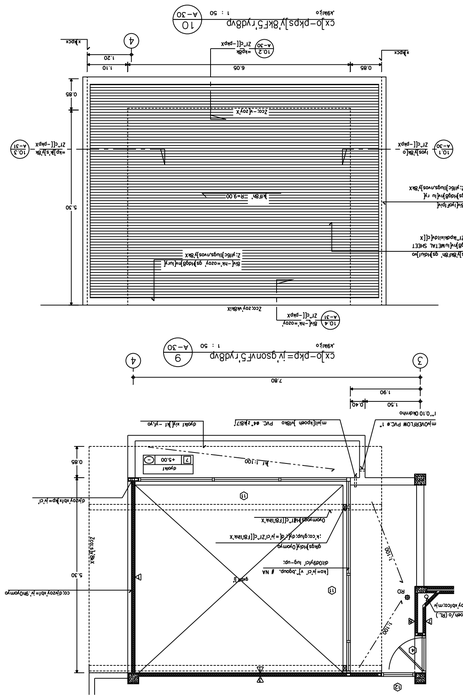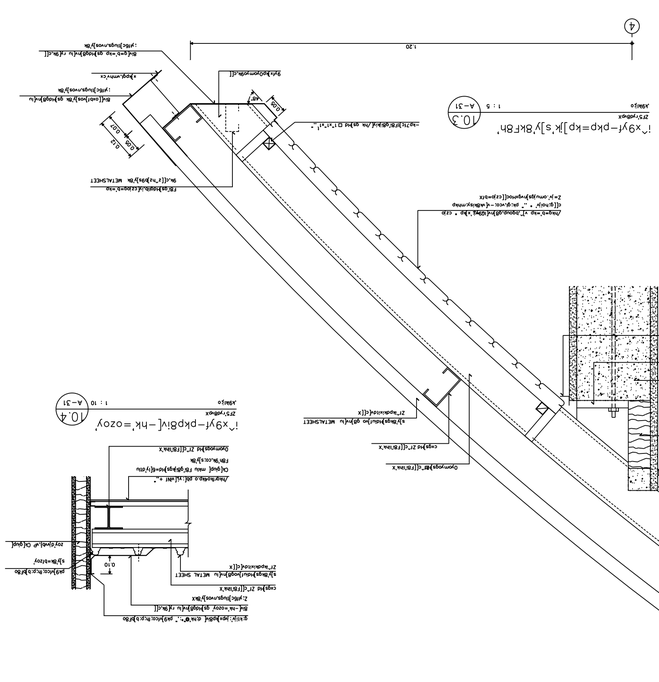plot scale 1000=50