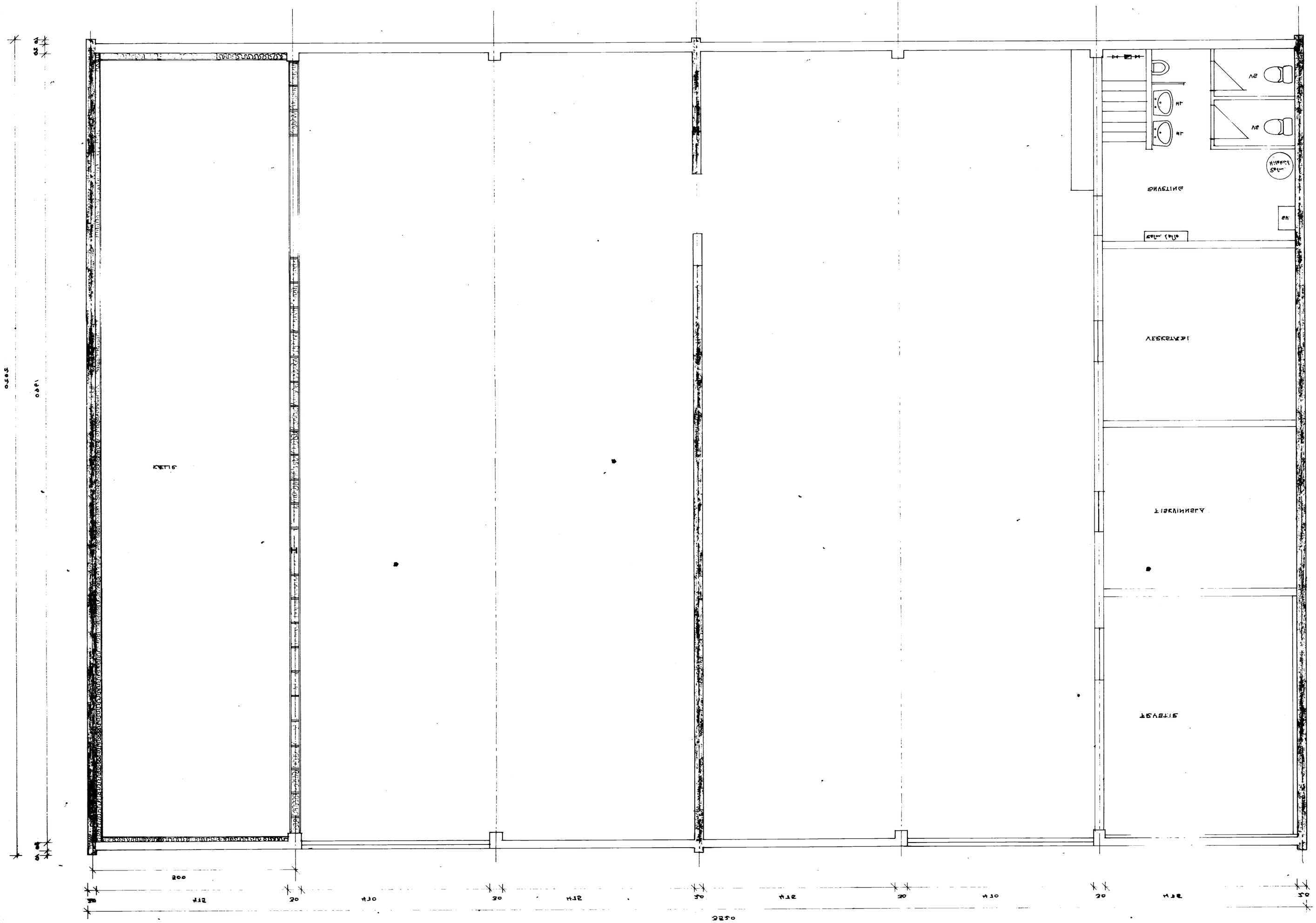GENERATING PLAN 1:20