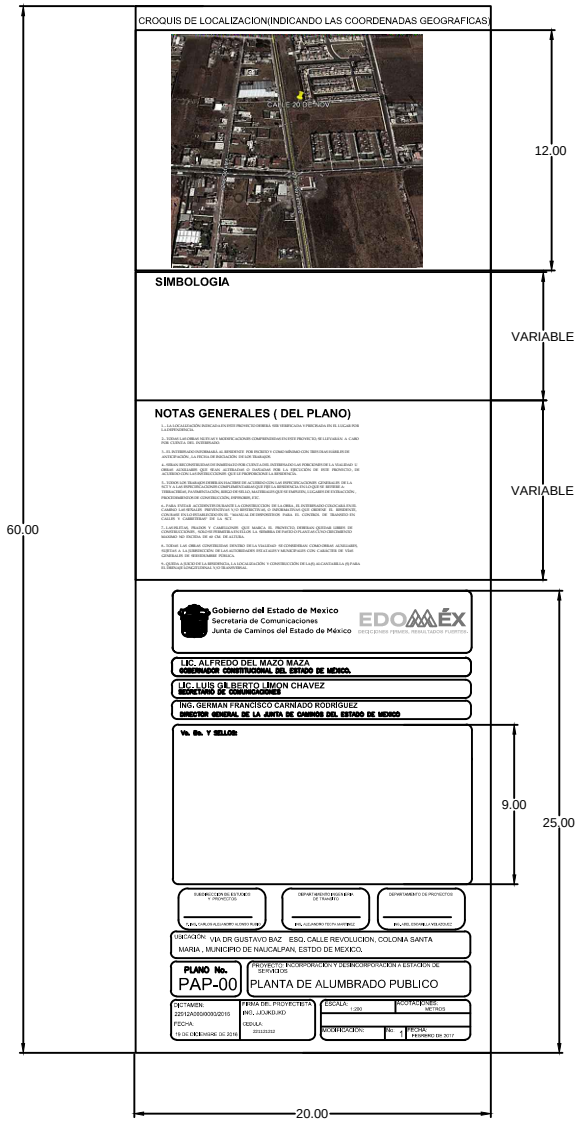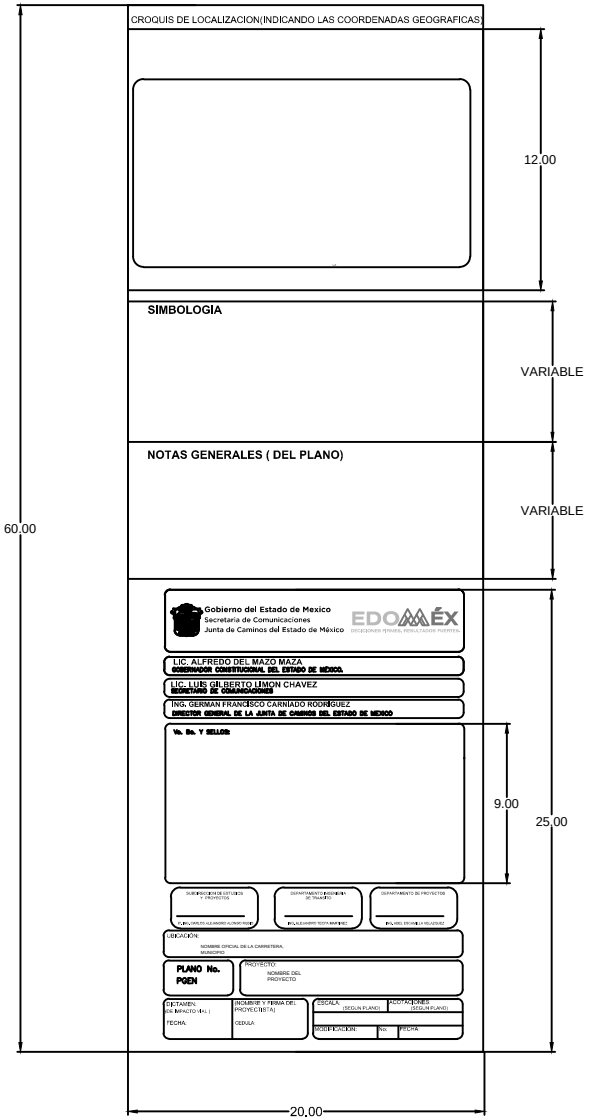SOLAPA PARA PLANOS