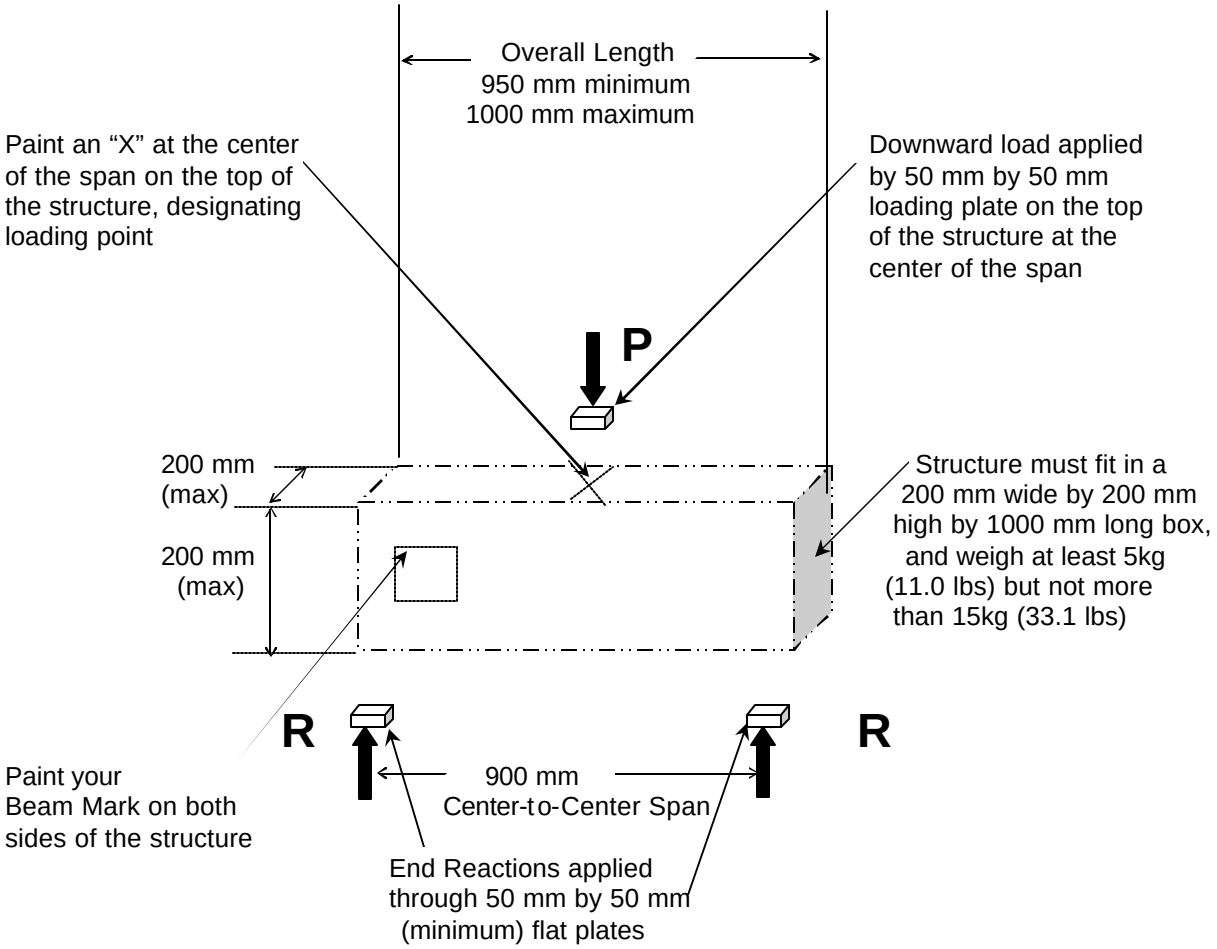STRUCTURE GEOMETRY REQUIREMENTS