

Start here

a) The manufacture of the bracket is going to require the use of machines and power tools and therefore, presents a risk to the person or person's involved in the process. The transportation of the piece to be manufactured between the required machines and tools is going to be hazardous because mild steel is very heavy. Dropping the piece steel or running into anyone or thing is likely to cause serious damage. Therefore great care is need when moving the piece between work stations and appropriate protective footwear are required.

~~The holes will either need to be drilled~~

Creating the holes will produce a lot of swarf and metal shavings. Potential cuts or metal splinters may result, metal shavings in eyes. Danger of using machines is always present. Body parts or hair may get caught in moving parts so great care must be taken and long hair tied back.

Hearing protection is required as almost all power tools and machines produce a lot of noise, at a volume that can cause permanent damage and also the monotonal noise is very fatiguing. Eye protection is paramount as there are always small pieces of material being thrown about by machines. A breathing mask is also required to prevent inhalation of metal shards.