

The Eight Disciplines (8D) Report

- The following report will be used to document the correction and prevention measures associated with an issue raised on the learning log.
- The report will be owned by the quality team but will require input from relevant people in order to complete.

Team

List the people with the product/process knowledge who are required to take part in the 8D process.

- Lorcan Kent
- Sean O'Brien
- Harry Nuzum
- Colm Whelan

Problem Definition

Define the actual (not perceived) issue. What? When? Where? Why? Who? How many?

Two manholes fitted in the material preparation area and sent to a fabrication bay. Each manhole is fixed in place on site by four fixing bolts. The manhole did not have the 4 holes laser cut in them to allow for the fixing bolts.

Short-Term Containment Actions

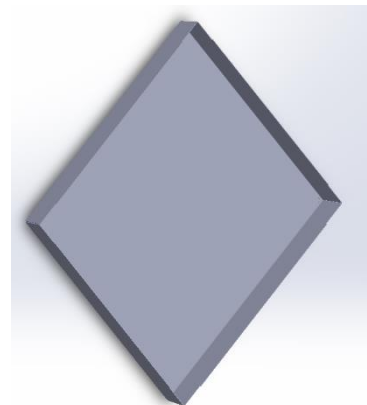
Implement a fix for the immediate issue. The goal here is to prevent a defective product reaching the next step in the process and ultimately the customer.

The fabricator will manually drill the holes in the manhole tray to allow for the fixing bolts.

Determine Root Cause

Accurately determine the root cause of the issue

The engineer did not know that holes were required in Engineer did not receive appropriate training in relation to manipulating step files in SolidWorks to prepare them for laser programming.



Identify Permanent Corrective Action

What needs to be done to eliminate the problem.

- 1) An engineering change order needs to be placed on the drawing to ensure it is not released to production at a later date.
- 2) A standardised training program:
 - To teach engineers how to prepare drawing files for laser programming.
 - To teach engineers about the technical details of the product they are working on.

Implement and Validate Corrective Action

Measure and monitor the result after the corrective action

To be done

Prevent Reoccurrence

Can this happen across similar products/processes

This is not a standard product. It is a bespoke manhole where the dimensions were configured to suit customer requirements. This issue is confined to this manhole with no risk to similar products or processes.

Recognition for the Team and Communicate Results

Congratulate team and communicate results to the relevant people.

To be done

Relevant Pictures

