Pipeline Report

Overview

This is a report generated by the Pathfinder CLI. It contains the results shortest path between input and output points using the Dijkstra algorithm and the images of the pipeline.

IMPORTANT: The images of the pipeline are for reference only. The actual pipeline may differ from the images. Please refer to the number of L and T joints and the length of pipe required for the actual pipeline. The number of standard lengths of pipe required is also provided if the standard length of pipe is set. If the standard length of pipe is not set, the length of pipe to purchase is provided instead. Assumptions made in the calculation of the number of L and T joints and the length of pipe required are as follows:

- The input and output points are the endpoints of the pipeline.
- The input and output points are L joints.
- There are no obstacles in the pipeline.

Results

The input coordinates are *43*, *28*, *8*.

Number of output coordinates: *2*

Output coordinates 1: *13*, *15*, *8*.

Output coordinates 2: *13*, *41*, *8*.

The following are the results of the shortest path between the input and output points.

Number of L joints: *7*

Number of T joints: *1*

Number of Pipe Segments: *75*

Length of Pipe Required: *1120.59 mm*

Standard length not set.

Length of Pipe to Purchase: *1130.00 mm*

Bill of Materials

The following is the bill of materials for the pipeline.

Item	Quantity (units)	Unit Price (AUD)	Total Price (AUD)
Pipe	75	0.0099	0.74
L Joint	7	2.75	19.25
T Joint	1	1.43	1.43
Total			$21.42

Pipleline Drawings

The following pages contain images of the suggested pipeline from different angles.

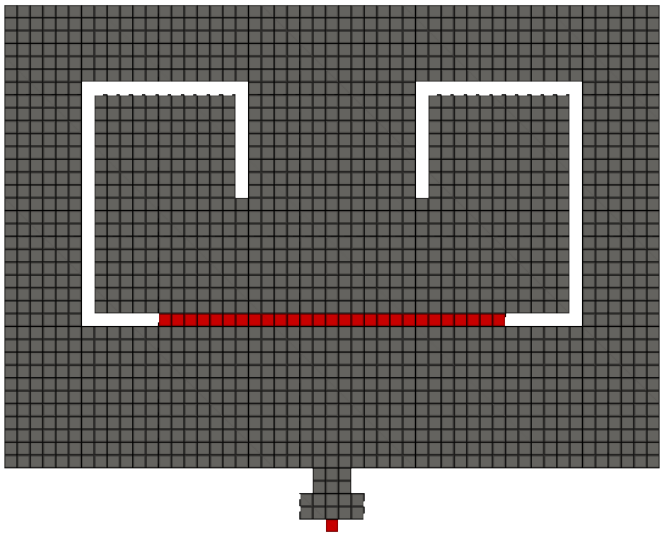

Figure 1: Top View

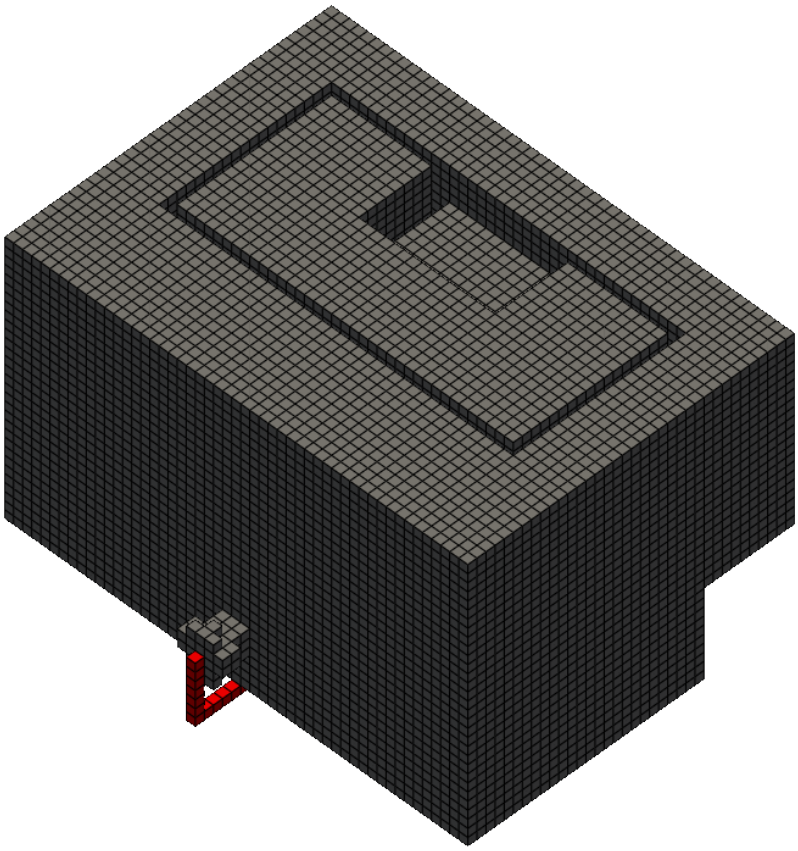

Figure 2: Top Right Isometric View

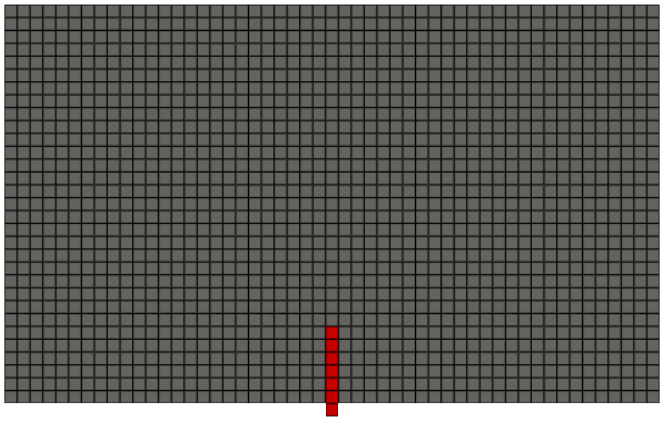

Figure 3: Front View

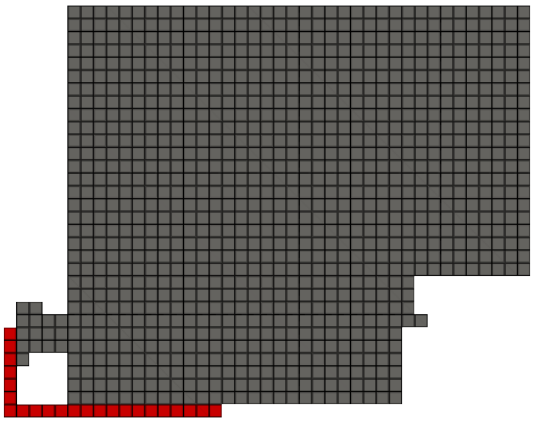

Figure 4: Right View

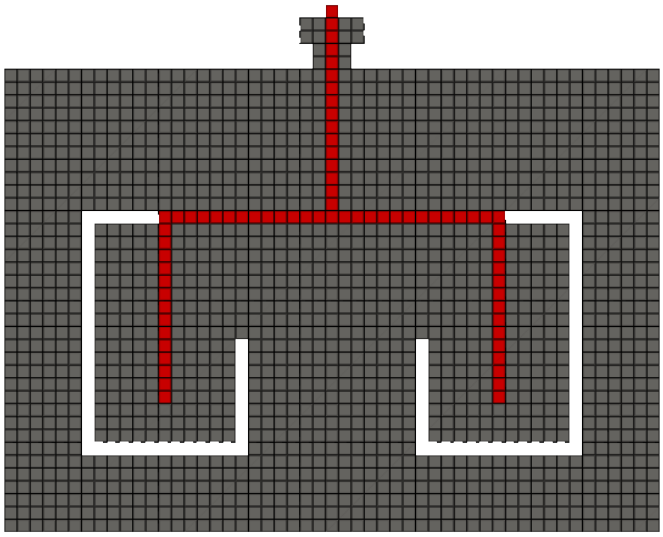

Figure 5: Bottom View

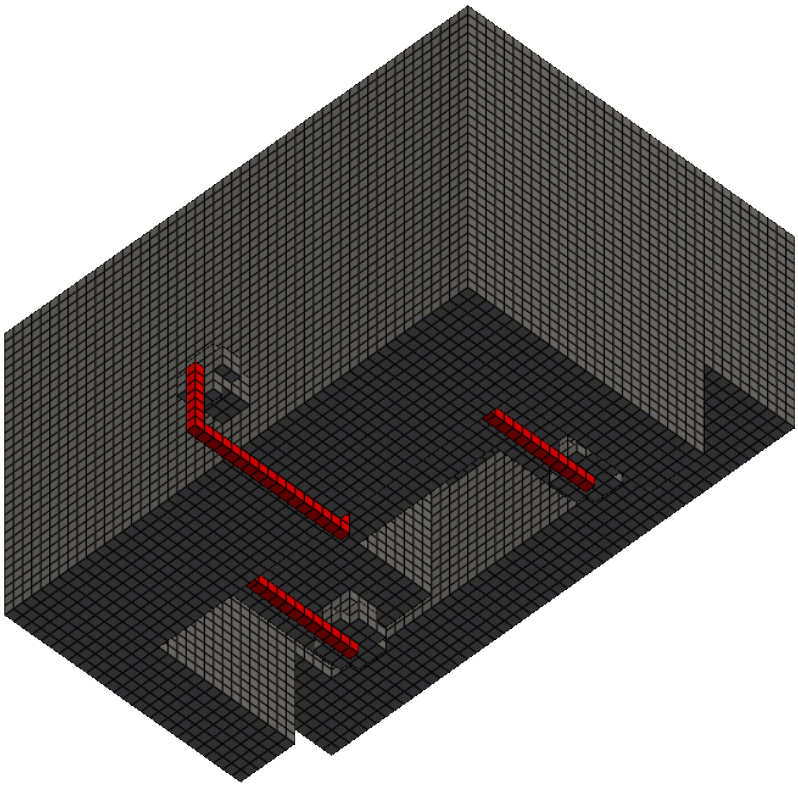

Figure 6: Bottom Right Isometric View