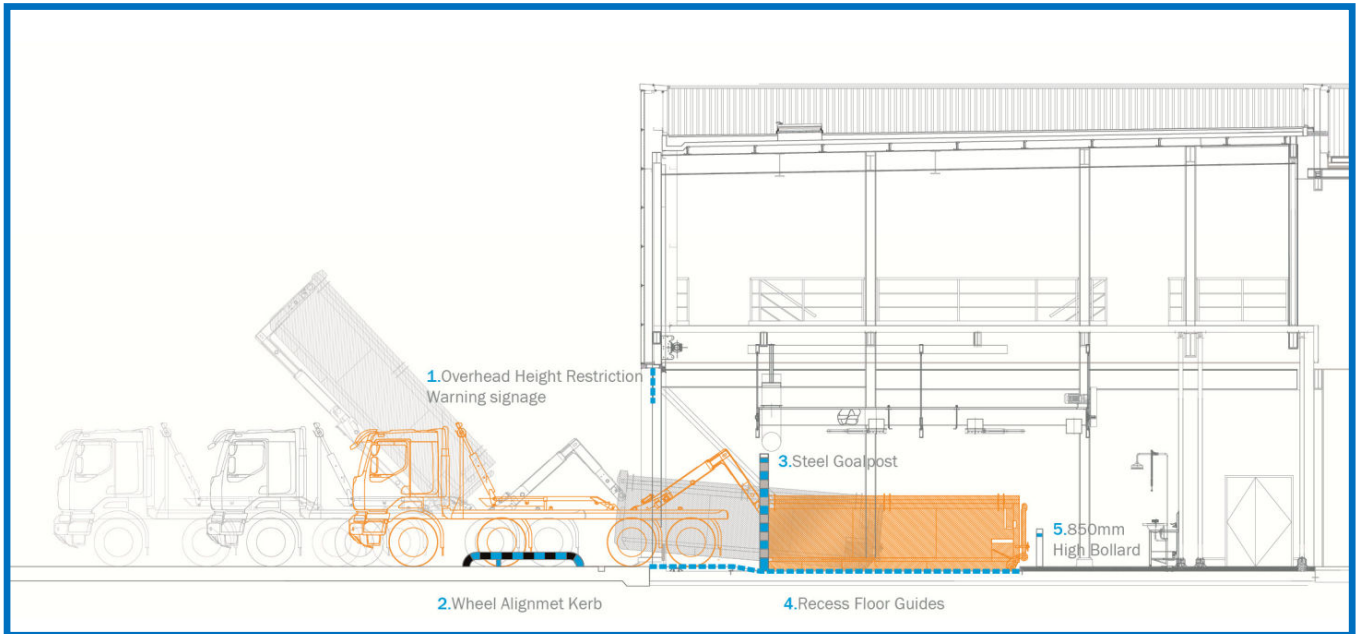


Design Solution for Unloading & Loading Skips

Understanding how facilities are used is essential for the development of a safer environment. In a recent solid waste extension project the PM Group liaised with the waste management company and their logistics section to help fully understand the operational requirements with a view to reducing risks to personnel and the building itself. Videos were supplied by the handling company to help the designers in the preparation of the scheme. The Data collected was used to identify various risks and constraints around operation. With the help of 2D & 3D representation numerous solutions were suggested that would minimize obstacles, trip hazards, help protect the building and facilitate the operations in hand.

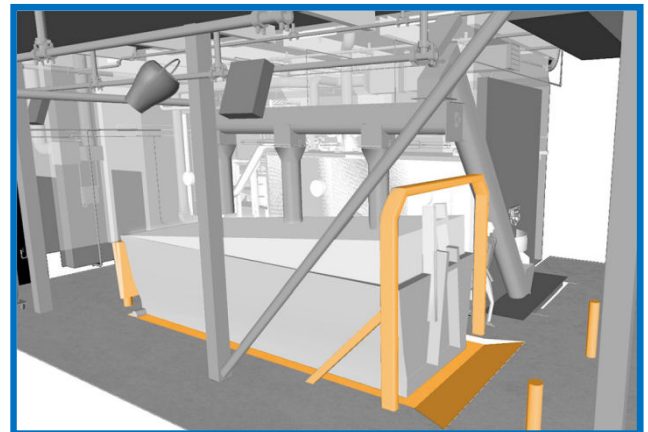


Section Through the Building

The Solution

Six items were incorporated into the design:-

1. Overhead height restrictions
2. Warning Signs.
3. External Wheel alignment kerbs.
4. Steel Goalposts guides.
5. 850mm high front and rear bollards.
6. Recessed Floor Guides.



3D Representation

Key Points

- Gaining a full understanding of the process is vital before design commences.
- 3D modelling software (BIM) is a great tool to help visualize a design solution and working process.
- It is far cheaper to alter a model than it is to change a finished building.
- Liaising with owners and operators is the best way to design out, reduce or manage risk.

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