



Project No: **6523NW – Designer’s Risk Assessment**

Project Name: 918 Manchester Road, Bury. BL9 8DW

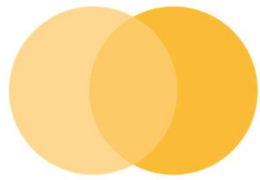
Description: Structural alterations to house

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ID	Risk Item	Effect	Cause	S	L	R	Action to Mitigate Risk	Responsibility
1	Heavy Lifting	Injury to Workforce	Steel beams too heavy to lift safely	3	3	9	Design steel beams with lowest weight to achieve required strength	Structural Engineer
2	Heavy Lifting	Injury to Workforce	Incorrect lifting methods	3	3	9	Provide sufficient workers to safely lift beams into position. Restrict lift weight per person to 25Kg max. Mechanise lifting if possible	Builder
3	Temporary support to structure	Collapse of floors, walls and roof	Inadequate propping provided whilst work is carried out	5	3	15	Provide temporary propping to support first floor and walls prior to wall removal. Propping to be designed by others	Builder
4	Dust	Cutting injuries, debris intrusion in eyes, inhalation of dust	Use of unskilled workers and lack of appropriate eye protection and face masks	3	3	9	Workers to be provided with regulation PPE	Builder



STRUCTURAL SURVEYS AND DESIGN

5	Collapse of new steel beams	Injury to occupants	Inadequately sized beam	5	2	10	Loads to be correctly assessed and beam designed in accordance with current British Standards and/or Eurocodes	Structural Engineer
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Severity (S):

- 1: Minor injury, sickness or damage
- 2: First Aid injury or lost time illness
- 3: Reportable injury, sickness or substantial damage
- 4: Major injury, amputation or long-term absence
- 5: Fatal injury, catastrophic damage

Likelihood (L):

- 1: Very Low
- 2: Low
- 3: Possible
- 4: Likely
- 5: Very Likely

Risk (R) = S x L

- 1: R < 8: Low Risk
- 2: 8 < R < 15: Medium Risk
- 3: R > 15: High Risk