



HB Regional Hospital Hastings

HBDHB DESCRIPTION – Bottled Gas Store HA16

2-S5000.00



INTRODUCTION:

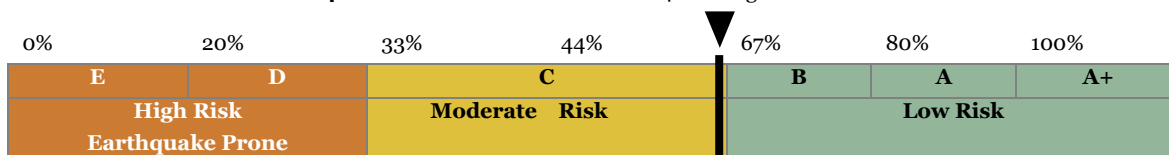
Opus International Consultants Ltd has undertaken an 'Initial Evaluation Procedure' (IEP) of HBDHB Bottled Gas Store, HB Regional Hospital, Hastings. The evaluation was carried out in accordance with NZ Society of Earthquake Engineering (NZSEE) guidelines (2006). The process includes internal and external non-invasive visual inspections, and an estimation of %NBS using the IEP process. Previous assessments have been used for deriving the IEP's and the values derived from detailed assessments have been adopted. Serviceability Limit State assessments for IL 4 buildings are not included.

BUILDING DESCRIPTION:

| | | | |
|--|---|--|-----------------------------|
| Building Name: | Bottled Gas Store | Building Use: | Dangerous Goods |
| Design/Constructed/Upgraded: | 1961 | Importance Level | 4 |
| General Shape: | Rectangular | No. of Storeys: | 1 |
| Longitudinal Lateral Load Resisting System: | Steel frame and RC Walls | Transverse Lateral Load Resisting System: | Steel framed – cross braced |
| Foundation System: | Concrete pad | Other Level Floor Systems: | N/A |
| Roof System: | Light steel framed | Primary Cladding Type: | Light steel cladding |
| Most Recent Previous Assessment: | Year: 2005 By: Holmes Consulting Group | Assessment: Informal SPS 100% | |
| Other Comments: | Probable candidate for a comprehensive ISA. Possible IL4 SLS assessment also. | | |

INITIAL EVALUATION PROCEDURE:

Bottled Gas Store is assessed as **64% NBS** when considered as an IL4 building.



| | Longitudinal | Transverse |
|---|--|----------------|
| Baseline %NBS | 28 | 28 |
| Factors Influencing Baseline | - | - |
| Critical Structural Weaknesses | - | - |
| Modification Factors | 2.25 | 2.25 |
| Influence on Modification Factor | Short squat shear walls and braced steel framing | |
| %NBS | 64% NBS | 64% NBS |

| | | | |
|---------------------|------------|----------------------|-----------------|
| Prepared by: | R Ferguson | Date: | 10 October 2013 |
| Reviewed by: | N Evans | CPEng No: | 19656 |
| Released by: | N Evans | Report Issue: | |