

**HB Regional Hospital,  
Hastings**

**HBDHB DESCRIPTION – Theatre Block  
HA37**

2-S5000.00



**INTRODUCTION:**

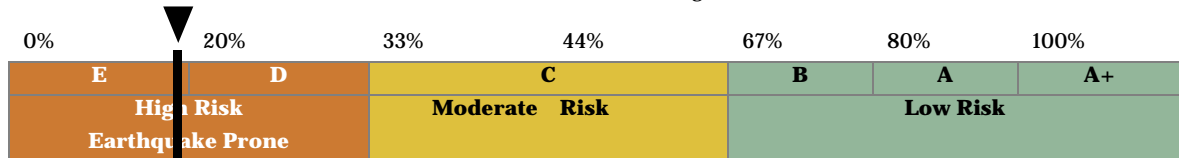
WSP Opus has undertaken a 'Detailed Seismic Assessment (DSA) of HBDHB Theatre Block, HB Regional Hospital, Hastings. The assessment was carried out in accordance with the Technical Guidelines for Engineering Seismic Assessments of existing buildings, July 2017, published by MBIE. The process included internal and external non-invasive visual inspections, and an estimation of %NBS using the Guidelines. Serviceability Limit State assessments for the IL 4 building was included.

**BUILDING DESCRIPTION:**

<b>Building Name:</b>	Theatre Block	<b>Building Use:</b>	Medical Services
<b>Design/Constructed/Upgraded:</b>	1997	<b>Importance Level</b>	4
<b>General Shape:</b>	Rectangle	<b>No. of Storeys:</b>	1
<b>Longitudinal Lateral Load Resisting System:</b>	Concrete/Steel Frame	<b>Transverse Lateral Load Resisting System:</b>	Concrete/Steel Frame
<b>Foundation System:</b>	Individual deep Pad Footings with deep Concrete Walls	<b>Other Level Floor Systems:</b>	Ground Floor is Precast Concrete Slab
<b>Roof System:</b>	Metal Roof	<b>Primary Cladding Type:</b>	-
<b>Most Recent Previous Assessment:</b>	<b>Year:</b> 2013 <b>By:</b> Opus <b>Assessment:</b> IEP 100% Initial Evaluation Procedure (IEP) only		
<b>Other Comments:</b>	Rating determined by connections of steel structure to precast concrete panels, timber floor diaphragm connections and steel beam/column to concrete column connections. Strengthening Concepts included in report for incorporation in potential capital works alterations and additions.		

**INITIAL EVALUATION PROCEDURE:**

Theatre Block is assessed as 15% NBS when considered as an IL4 building.



	<b>Longitudinal</b>	<b>Transverse</b>
<b>Baseline %NBS</b>	15	15
<b>Factors Influencing Baseline</b>	-	-
<b>Critical Structural Weaknesses</b>	None identified	None identified
<b>%NBS</b>	<b>15% NBS</b>	<b>15% NBS</b>

<b>DSA Prepared by:</b>	C Caponi	<b>Date:</b>	August 2018
<b>Reviewed by:</b>	J Lester	<b>CPEng No:</b>	260347
<b>Released by:</b>	N Evans	<b>Report Issue:</b>	1