

**HB Regional Hospital,
Hastings**

**HBDHB DESCRIPTION – Radiology
HA27**

2-S5000.00

INTRODUCTION:

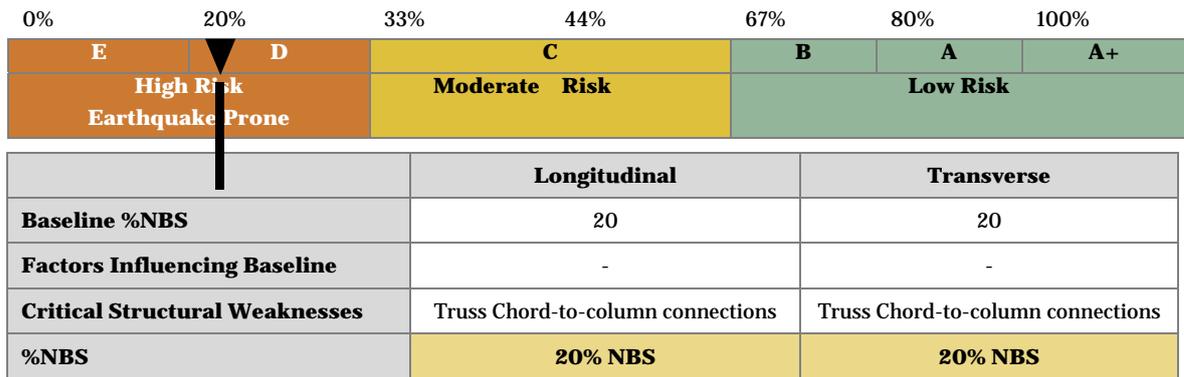
WSP Opus has undertaken a 'Detailed Seismic Assessment (DSA) of HBDHB Radiology Department, HB Regional Hospital, Hastings. The assessment was carried out in accordance with the Technical Guidelines for Engineering Seismic Assessments of Existing Buildings, published by MBIE, July 2017. The process included internal and external non-invasive visual inspections, and an estimation of %NBS using the Guidelines. The Radiology Unit occupies 4 separate buildings: #1, 1983 two storey Laboratory Block, #2, 1983 single storey Radiology Building, #3, 1997 single storey Radiology Extension, #4, 1997 two storey Laboratory Extension. Serviceability Limit State assessments for these IL 4 buildings were included.

BUILDING DESCRIPTION:

Building Name:	Radiology	Building Use:	Medical Services
Design/Constructed/Upgraded:	1983/1997	Importance Level	4
General Shape:	Rectangle	No. of Storeys:	2 and 1
Longitudinal Lateral Load Resisting System:	#1,2 & 4 R.C Frame #3 Steel Frame	Transverse Lateral Load Resisting System:	#1,2 & 4 R.C Frame #3 steel Frame
Foundation System:	#1 R.C walls and Pad #2,3 & 4 RC Pad Footings	Other Level Floor Systems:	#1 & 2 Cast in-situ R.C Slab #3 & 4 Precast units with R.C. Slab
Roof System:	Light Steel over Steel Frame	Primary Cladding Type:	Various
Most Recent Previous IEP Assessment:	Year: 2013 By: Opus Assessment: SPS 88%, using Initial Evaluation (IEP) Procedure only		
Other Comments:	Rating determined by connections in building #3. Strengthening Concepts included in report for incorporation in possible capital works alterations and additions.		

INITIAL EVALUATION PROCEDURE:

The Radiology Department is assessed as **20% NBS** when considered as an IL4 building.



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