Initial Evaluation Procedure (IEP) Assessment - Completed for Hutt City Council

Page 1

WARNING!! This initial evaluation has been carried out solely as an initial seismic assessment of the building following the procedure set out in the "The Seismic Assessment of Existing Buildings" Technical Guidelines for Engineering Assessments, July 2017. This spreadsheet must be read in conjunction with the limitations set out in the accompanying report, and should not be relied on by any party for any other purpose. Detailed inspections and engineering calculations, or engineering judgements based on them, have not been undertaken, and these may lead to a different result or seismic grade.

Street Number & Name:	33 Parkway	Job No.:	5-C3957.00
AKA:		Ву:	GSF
Name of building:	Parkway House	Date:	11/12/2019
City:	Wainuiomata, Hutt City	Revision No.:	0

Table IEP-1 Initial Evaluation Procedure Step 1

Step 1 - General Information

1.1 Photos (attach sufficient to describe building)



1.2 Sketches (plans etc, show items of interest)



1.3 List relevant features (Note: only 10 lines of text will print in this box. If further text required use Page 1a)

Structure: Timber framed with lined walls and weatherboard cladding, letin 1 inch bracing for all walls + linings

Foundations: Relocated from 5 Wainuiomata Drive and re-plied 1983

Roof: Lightweight timber truss with heavy cladding

Subsoil: D soft or deep soils assumed

Construction Date: 1955 to 1960, relocated and re-piled 1983

1.4	Note	information	sources
-----	------	-------------	---------

Tick as appropriate

Visual Inspection of Exterior Visual Inspection of Interior Drawings (note type)

$\overline{\mathbf{A}}$	
\overline{V}	

Specifications Geotechnical Reports Other (list)

П		

Information Reviewed: property notes, no drawings

GSF
11/12/2019
No.: 0
-
<u>Transverse</u>
_
N/A
Pre 1935
1935-1965
1965-1976
1976-1984 () 1984-1992 ()
1984-1992 <u> </u>
2004-2011
Post Aug 2011
Others
Not applicable
D Soft Soil
Not one Post to
Not applicable
5 m 1.00 m ²
1.00
0
0
•
ŏ
0000
O
0.40
1.00
0.03
1.00
1.00
3%

WARNING!! This initial evaluation has been carried out solely as an initial seismic assessment of the building following the procedure set out in "The Seismic Assessment of Existing Buildings" Technical Guidelines for Engineering Assessments, July 2017. This spreadsheet must be read in conjunction with the limitations set out in the accompanying report, and should not be relied on by any party for any other purpose. Detailed inspections and engineering calculations, or engineering judgements based on them, have not been undertaken, and these may lead to a different result or seismic grade.

treet Number & Name:	33 Parkway			Job No.:	5-C3957.00
KA:	Dorlaway Hayaa			By:	GSF
ame of building: ity:	Parkway House Wainuiomata, H			Date: Revision No.:	11/12/2019 0
able IEP-2 Initial Eva	luation Procedu	ure Step 2 contii	nued		
.2 Near Fault Scaling Factor, Factor, Factor E = 1	actor E				
11 7 <u>1.03cc</u> , 1 deter <u>2</u> 1			<u>Longitud</u>	<u>inal</u>	<u>Transverse</u>
a) Near Fault Factor, N(T,D)			N(T,D): 1		1
(from NZS1170.5:2004, CI 3.1.6) b) Factor E		= 1/N(T,D)	Factor E: 1.00	_	1.00
5) 1 40101 2		- ///(T,D)	1.00	_	1.00
.3 Hazard Scaling Factor, Facto	or F				
a) Hazard Factor, Z, for siteLocation:	• III	Refer	ight for user-defined lo	cations	
		-		cations	
Z		(from NZS1170.5:2004, Tab	•	54.))	
Z_{1992} :		(NZS4203:1992 Zone Factor) (from NZS1170.5:2004, Tab	r from accompanying Figure 3.	ο(α))	
Z ₂₀₀₄ : b) Factor F	0.4	_\(\(\text{\text{1170.5.2004}}\), rac	J.J		
For pre 1992	=	1/ <i>Z</i>			
For 1992-2011	=	Z ₁₉₉₂ /Z			
For post 2011	=	Z_{2004}/Z			
			Factor F: 2.50		2.50
 b) Design Risk Factor, R_o (set to 1.0 if other than 1976-2004, or not c) Return Period Factor, R (from NZS1170.0:2004 Building Importan 		Choose Importance Lo	$R_{o} = \boxed{1}$ $evel \qquad 1 \qquad 0 \qquad 2 \qquad C$ $R = \boxed{1.0}$) 3	1
d) Factor G	=	IR _o /R			
u) i uotoi G	_		Factor G: 1.00		1.00
.5 Ductility Scaling Factor, Fac					
a) Available Displacement Ductilit Comment:	ly within Existing Str	ucture	$\mu = \frac{2.00}{}$		2.00
Lightweight timber, lined bracin	ng walls		μ –		
b) Factor H	For pre 1976 (maxin	num of 2)	$= k_{\mu}$ $= 1.57$		κ _μ 1.57
	For 1976 onwards	idili di 2)	= 1.57		1
(where Ity is N754470 5:2004 Including S	nactrum Scaling Factor from	a accompanying Table 2.2)	Factor H: 1.57		1.57
(where kμ is NZS1170.5:2004 Inelastic Sp		, , ,			
6 Structural Performance Scal a) Structural Performance Factor,	•	•			
(from accompanying Figure 3.4)	unation in this alles at a		abla		V
Tick if light timber-framed constr	action in this direction		$S_p = 0.50$		0.50
	g Factor	= 1/S _p to account for Sp in this perior	Factor I: 2.00		2.00
<i></i>	ave been multiplied by 0.67				
b) Structural Performance Scaling Note Factor B values for 1992 to 2004 ha					
<i>'</i>	յ, <i>(%NB</i> S) _ь		22%		22%
Note Factor B values for 1992 to 2004 have 7 Baseline %NBS for Building	g, <i>(%NBS)</i> _b G x H x I)				

Initial Evaluation Proce	edure (IEP) Asses	ssment - Comple		itt Oity Oodi		Page 4
Street Number & Name: AKA: Name of building: City:	23 Parkway Parkway House Wainuiomata, H			B _i Da	ob No.: y: ate: evision No.:	5-C3957.00 GSF 11/12/2019 0
Table IEP-3 Initial E	valuation Proced	ure Step 3				
Step 3 - Assessment of Pe (Refer Appendix B - Section B3.2)		ment Ratio (PAR)				
a) Longitudinal Direction						
potential CSWs		Effect on Struct				Factors
3.1 Plan Irregularity		(Choose a value -	Do not interpo	olate)		
Effect on Structural Perform Comment: Nil	ance O Severe	⊖.s	ignificant			Factor A 1.0
3.2 Vertical Irregularity Effect on Structural Perform Comment: Nil	ance O Severe	_s	ignificant			Factor B 1.0
3.3 Short Columns						<u> </u>
Effect on Structural Perform Comment: Nil	ance O Severe	Os	ignificant		Insignificant	Factor C 1.0
a) Factor D1: - Pounding Effe						7
Note: Values given assume th	ne building has a frame s ng the coefficient to the of Factor D1	right of the value appl	icable to frame	ngitudinal Dire	ection: 1.0 Insignificant Sep>.01H	
Note: Values given assume the may be reduced by taking the may be reduced by the may be redu	ng the coefficient to the	Factors of Separation of Storey Height	or D1 For Lo Severe 0 <sep<.005h< th=""><th>ngitudinal Dire Significant .005<sep<.01h< th=""><th>ection: 1.0 Insignificant</th><th></th></sep<.01h<></th></sep<.005h<>	ngitudinal Dire Significant .005 <sep<.01h< th=""><th>ection: 1.0 Insignificant</th><th></th></sep<.01h<>	ection: 1.0 Insignificant	
Note: Values given assume the may be reduced by taking the may be reduced by the may be redu	of Factor D1 Alignment of Floors withing	Fact Separation n 20% of Storey Height n 20% of Storey Height	or D1 For Lo Severe 0 <sep<.005h 0.4<="" 1="" td="" ①=""><td>ngitudinal Dire Significant .005<sep<.01h< td=""><td>Insignificant Sep>.01H 1 0 0.8</td><td></td></sep<.01h<></td></sep<.005h>	ngitudinal Dire Significant .005 <sep<.01h< td=""><td>Insignificant Sep>.01H 1 0 0.8</td><td></td></sep<.01h<>	Insignificant Sep>.01H 1 0 0.8	
Note: Values given assume the may be reduced by taking Table for Selection of Aligonal Comment: Nil	of Factor D1 Alignment of Floors withing gnment of Floors not withing Difference Effect	Fact Separation n 20% of Storey Height n 20% of Storey Height	or D1 For Location Severe 0 <sep<.005h 0="" 0.4="" d2="" for="" location="" or="" severe<="" td=""><td>ngitudinal Dire Significant .005<sep<.01h< td=""><td>Insignificant Sep>.01H 1 0 0.8 2ction: 1.0 Insignificant</td><td></td></sep<.01h<></td></sep<.005h>	ngitudinal Dire Significant .005 <sep<.01h< td=""><td>Insignificant Sep>.01H 1 0 0.8 2ction: 1.0 Insignificant</td><td></td></sep<.01h<>	Insignificant Sep>.01H 1 0 0.8 2ction: 1.0 Insignificant	
Note: Values given assume the may be reduced by taking Table for Selection of Alignment: Nil b) Factor D2: - Height Table for Selection of Select	of Factor D1 Alignment of Floors withing part of Floors not withing Difference Effect Of Factor D2 Height Difference D2	Fact Separation n 20% of Storey Height n 20% of Storey Height	or D1 For Local Severe 0 <sep<.005h< td=""><td>ngitudinal Dire Significant .005<sep<.01h< td=""><td>Insignificant Sep>.01H 1 0 0.8</td><td></td></sep<.01h<></td></sep<.005h<>	ngitudinal Dire Significant .005 <sep<.01h< td=""><td>Insignificant Sep>.01H 1 0 0.8</td><td></td></sep<.01h<>	Insignificant Sep>.01H 1 0 0.8	
Note: Values given assume the may be reduced by taking Table for Selection of Aligonalment: Nil b) Factor D2: - Height	of Factor D1 Alignment of Floors withing part of Floors not withing Difference Effect Of Factor D2 Height Difference D2	Fact Separation n 20% of Storey Height n 20% of Storey Height Fact Difference > 4 Storeys ifference 2 to 4 Storeys	or D1 For Lo Severe 0 <sep<.005h 0="" 0.4="" 0.7<="" 0<sep<.005h="" d2="" for="" lo="" or="" severe="" td=""><td>ngitudinal Dire Significant .005<sep<.01h< td=""><td>Insignificant Sep>.01H 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8</td><td></td></sep<.01h<></td></sep<.005h>	ngitudinal Dire Significant .005 <sep<.01h< td=""><td>Insignificant Sep>.01H 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8</td><td></td></sep<.01h<>	Insignificant Sep>.01H 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8 10 0.8	
Note: Values given assume the may be reduced by taking Table for Selection of Alignment: Nil b) Factor D2: - Height Table for Selection of Select	of Factor D1 Alignment of Floors withing gnment of Floors not withing Difference Effect Of Factor D2 Height Difference D2	Fact Separation n 20% of Storey Height n 20% of Storey Height Fact Difference > 4 Storeys Difference < 2 Storeys	or D1 For Location Severe 0 <sep<.005h 0.4="" 0.7="" 0<sep<.005h="" 1<="" d2="" for="" location="" o="" or="" severe="" td=""><td>ngitudinal Dire Significant .005<sep<.01h< td=""><td>Insignificant Sep>.01H 1 0 0.8 Pection: 1.0 Insignificant Sep>.01H 1 1 1 1 1 1 1 1 1</td><td>Factor D 1.0</td></sep<.01h<></td></sep<.005h>	ngitudinal Dire Significant .005 <sep<.01h< td=""><td>Insignificant Sep>.01H 1 0 0.8 Pection: 1.0 Insignificant Sep>.01H 1 1 1 1 1 1 1 1 1</td><td>Factor D 1.0</td></sep<.01h<>	Insignificant Sep>.01H 1 0 0.8 Pection: 1.0 Insignificant Sep>.01H 1 1 1 1 1 1 1 1 1	Factor D 1.0
Note: Values given assume the may be reduced by taking Table for Selection of Alignment: Nil b) Factor D2: - Height Table for Selection of Comment: Nil	of Factor D1 Alignment of Floors withing gnment of Floors not withing point of Factor D2 Height Di Heigh	Fact Separation n 20% of Storey Height n 20% of Storey Height Fact Fight Fight Fact Difference > 4 Storeys ifference 2 to 4 Storeys Difference < 2 Storeys Difference < 3 Storeys	or D1 For Location Severe 0 <sep<.005h 0.4="" 0.7="" 0<sep<.005h="" 1<="" d2="" for="" location="" o="" or="" severe="" td=""><td>ngitudinal Dire Significant .005<sep<.01h< td=""><td>Insignificant Sep>.01H 1 0 0.8 Pection: 1.0 Insignificant Sep>.01H 1 1 1 1 1 1 1 1 1</td><td>Factor D 1.0</td></sep<.01h<></td></sep<.005h>	ngitudinal Dire Significant .005 <sep<.01h< td=""><td>Insignificant Sep>.01H 1 0 0.8 Pection: 1.0 Insignificant Sep>.01H 1 1 1 1 1 1 1 1 1</td><td>Factor D 1.0</td></sep<.01h<>	Insignificant Sep>.01H 1 0 0.8 Pection: 1.0 Insignificant Sep>.01H 1 1 1 1 1 1 1 1 1	Factor D 1.0
Note: Values given assume the may be reduced by taking Table for Selection of Alignon Selection of Selection	of Factor D1 Alignment of Floors withing and the Effect Of Factor D2 Height Difference Effect Height Difference Of Factor D2 Alignment of Floors not withing ability, landslide threat, liquid and the Severe efformance Of Severe efformance of all other relevant chancice of Factor F:	Fact Separation In 20% of Storey Height In 20% of Storey Height Fact Difference > 4 Storeys Ifference 2 to 4 Storeys In Difference < 2 Storeys Lucture as it affects Difference of the build	or D1 For Local Severe 0 <sep<.005h 0.4="" 0.7="" 0<sep<.005h="" 1="" d2="" for="" local="" o="" or="" particular="" severe="" structural="" td="" th<="" the=""><td>ngitudinal Directions Significant .005<sep<.01h< td=""><td>Insignificant Sep>.01H 1 0.8 1 0.8 1 0.8 1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1</td><td>Factor D 1.0</td></sep<.01h<></td></sep<.005h>	ngitudinal Directions Significant .005 <sep<.01h< td=""><td>Insignificant Sep>.01H 1 0.8 1 0.8 1 0.8 1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1</td><td>Factor D 1.0</td></sep<.01h<>	Insignificant Sep>.01H 1 0.8 1 0.8 1 0.8 1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	Factor D 1.0

Init	ial Evaluation Procedu	re (IEP) Assessment	- Comple	ted for Hu	tt City Cou	ncil	Page 5
Stre AKA	et Number & Name:	33 Parkway			•••••	ob No.: By:	5-C3957.00 GSF
Nam City	ne of building: :	Parkway House Wainuiomata, Hutt City			••••••	oate: Revision No.:	11/12/2019 0
Tak	ole IEP-3 Initial Eval	uation Procedure Ste	ep 3				
-	p 3 - Assessment of Perfor er Appendix B - Section B3.2)		•				
	ransverse Direction						
., .	potential CSWs	Ef	ffect on Stru	ctural Perfor	mance		Factors
2 1	Plan Irregularity	(CI	noose a value	- Do not inter	polate)		
3.1	Effect on Structural Performance Comment: Nil	e O Severe	⊖ S.	ignificant			Factor A 1.0
3.2	Vertical Irregularity Effect on Structural Performance Comment: Nil	e O Severe	○ S.	ignificant		● Insignificant	Factor B 1.0
3.3	Short Columns						
	Effect on Structural Performance Comment: Nil	e O Severe	⊖ S	ignificant		Insignificant	Factor C 1.0
a)		e coefficient to the right of th	Fac Separation Storey Height	cable to frame	ransverse Dir		
	b) Factor D2: - Height Diffe	rence Effect					
			Fac	tor D2 For T	ransverse Dir	ection: 1.0	
	Table for Selection of Fa	ctor D2		Severe	Significant .005 <sep<.01h< td=""><td>Insignificant Sep>.01H</td><td></td></sep<.01h<>	Insignificant Sep>.01H	
	Comment: Nil	Height Difference Height Difference 2 Height Difference	to 4 Storeys	0.4 0.7 0 1	○ 0.7 ○ 0.9 ○ 1	© 1 ○ 1 ○ 1	
	JOHN GILL IVII						Factor D 1.0
3.5	Site Characteristics - Stability	, landslide threat, liquefaction e	etc as it affects	the structural բ	performance from	n a life-safety persp	pective
	Effect on Structural Performance Comment: No impact on perform		OS	ignificant		Insignificant	Factor E 1.0
3.6	Other Factors - for allowance of Record rationale for choice Comment: lightweight timber, re	ce of Factor F:		•		ximum value 2.5 ximum value 1.5. minimum.	Factor F 2.50
3.7	Performance Achievement R (equals A x B x C x D x E x F					Т	ransverse 2.50
Build not b	RNING!! This initial evaluation has be lings" Technical Guidelines for Engineering relied on by any party for any other put to a different result or seismic grade.	g Assessments, July 2017. This spread	dsheet must be red	d in conjunction v	with the limitations	set out in the accompa	nying report, and should

Street Number & Name:	33 Parkway	Job No.:	5-C3957.00
AKA:		By:	GSF
lame of building:	Parkway House	Date:	11/12/2019
City:	Wainuiomata, Hutt City	Revision No.:	0
	Evaluation Procedure Steps 4, 5, 6 and was Building Standard (%NBS)	17	
		Longitudinal	Transverse
(from Table IEP - 1)	NBS (%NBS) _b	22%	22%
Performance Achieven (from Table IEP - 2)	nent Ratio (PAR)	2.50	2.50
.3 PAR x Baseline (%NBS	5) _b	55%	55%
Percentage New Build (Use lower of two value	ing Standard (%NBS) - Seismic Rating es from Step 4.3)		55%
Step 5 - Is <i>%NB</i> S < 34?			NO
Step 6 - Potentially Earthq	juake Risk (is <i>%NB</i> S < 67)?		YES
Step 7 - Provisional Gradi	ng for Seismic Risk based on IEP	Seismic Grade	С
Additional Comments (its	ems of note affecting IEP based seismic rating)		
Comment: Original chimne			

Relationship between Grade and %NBS

Grade:	Α+	Α	В	С	D	E
%NBS:	> 100	100 to 80	79 to 67	66 to 34	< 34 to 20	< 20

WARNING!! This initial evaluation has been carried out solely as an initial seismic assessment of the building following the procedure set out in "The Seismic Assessment of Existing Buildings" Technical Guidelines for Engineering Assessments, July 2017. This spreadsheet must be read in conjunction with the limitations set out in the accompanying report, and should not be relied on by any party for any other purpose. Detailed inspections and engineering calculations, or engineering judgements based on them, have not been undertaken, and these may lead to a different result or seismic grade.

Initial Evaluation Procedure (IEP) Assessment - Completed for Hutt City Council

Page 7

Street Number & Name:	33 Parkway	Job No.:	5-C3957.00
AKA:		Ву:	GSF
Name of building:	Parkway House	Date:	11/12/2019
City:	Wainuiomata, Hutt City	Revision No.:	0

Table IEP-5 Initial Evaluation Procedure Step 8

Step 8 - Identification of potential Severe Structural Weaknesses (SSWs) that could result in significant risk to a significant number of occupants

8.1 Number of storeys above ground level

1

8.2 Presence of heavy concrete floors and/or concrete roof? (Y/N)

N

Potential Severe Structural Weaknesses (SSWs):

Note: Options that are greyed out are not applicable and need not be considered.

Occupancy not considered to be significant - no further consideration required

Risk not considered to be significant - no further consideration required

The following potential Severe Structural Weaknesses (SSWs) have been identified in the building that could result in significant risk to a significant number of occupants:

- 1. None identified
- 2. Weak or soft storey (except top storey)
- 3. Brittle columns and/or beam-column joints the deformations of which are not constrained by other structural elements
- 4. Flat slab buildings with lateral capacity reliant on low ductility slab-to-column connections
- 5. No identifiable connection between primary structure and diaphragms
- 6. Ledge and gap stairs



WARNING!! This initial evaluation has been carried out solely as an initial seismic assessment of the building following the procedure set out in "The Seismic Assessment of Existing Buildings" Technical Guidelines for Engineering Assessments, July 2017. This spreadsheet must be read in conjunction with the limitations set out in the accompanying report, and should not be relied on by any party for any other purpose. Detailed inspections and engineering calculations, or engineering judgements based on them, have not been undertaken, and these may lead to a different result or seismic grade.

Initial Evaluation Procedure (IEP) Assessment - Completed for Hutt City Council

Page 1a

Street Number & Name:	33 Parkway	Job No.:	5-C3957.00
AKA:		Ву:	GSF
Name of building:	Parkway House	Date:	11/12/2019
City:	Wainuiomata, Hutt City	Revision No.:	0

Table IEP-1a Additional Photos and Sketches





WARNING!! This initial evaluation has been carried out solely as an initial seismic assessment of the building following the procedure set out "The Seismic Assessment of Existing Buildings" Technical Guidelines for Engineering Assessments, July 2017. This spreadsheet must be read in conjunction with the limitations set out in the accompanying report, and should not be relied on by any party for any other purpose. Detailed inspections and engineering calculations, or engineering judgements based on them, have not been undertaken, and these may lead to a different result or seismic grade.

1. Building Information		
Building Name/ Description	Parkway Community House	
Street Address	33 Parkway, Wainuiomata	
Territorial Authority	Hutt City Council	
No. of Storeys	1	
Area of Typical Floor (approx.)	110 sqm	
Year of Design (approx.)	1955-1960	
NZ Standards designed to	NA	
Structural System including Foundations	Timber framed structure with lined and diagonal timber braced walls with weatherboard cladding, letin 1 inch bracing for all walls. Timber framed roof with lightweight cladding and piled foundation.	
Does the building comprise a shared structural form or shares structural elements with any other adjacent titles?	No	
Key features of ground profile and identified geohazards	Flat even ground profile, subsoil D, variable potential for liquefaction	
Previous strengthening and/or significant alteration	Relocated and re-piled 1983	
Heritage Issues/ Status	Nil	
Other Relevant Information	None	

2. Assessment Information			
Consulting Practice	WSP New Zealand Ltd		
CPEng Responsible, including: Name CPEng number A statement of suitable skills and experience in the seismic assessment of existing buildings ¹			
Documentation reviewed, including: • date/ version of drawings/ calculations ² • previous seismic assessments	None available in review of HCC online records Records confirm structure relocated 1983		
Geotechnical Report(s)	NA – assumed based on local knowledge refer to section 3		
Date(s) Building Inspected and extent of inspection	6 December 2019		
Description of any structural testing undertaken and results summary	None		
Previous Assessment Reports	NA		
Other Relevant Information	Nil		

Assessment Summary Report

¹ This should include reference to the engineer's Practice Field being in Structural Engineering, and commentary on experience in seismic assessment and recent relevant training

 $^{^{\}rm 2}$ Or justification of assumptions if no drawings were able to be obtained

3. Summary of Engineering Assessment Methodology and Key Parameters Used			
Occupancy Type(s) and Importance Level	Importance Level 2		
Site Subsoil Class	D assumed based on local knowledge		
For an ISA:			
 Summary of how Part B was applied, including: Key parameters such as μ, S_p and F factors Any supplementary specific calculations 	Ductility – 2.0 lined and braced timber framed walls Sp Factor – 0.5 for lightweight timber structure F Factor – 2.5 both directions (maximum) based on the arrangement and length of the bracing walls, timber framed roof with lightweight cladding and re-piled foundations.		
For a DSA:			
Summary of how Part C was applied, including: • the analysis methodology(s) used from C2 • other sections of Part C applied	NA		
Other Relevant Information	NA		

4. Assessment Outcomes				
Assessment Status (Draft or Final)	Final			
Assessed %NBS Rating	55%NBS IL2			
Seismic Grade and Relative Risk (from Table A3.1)	C - 5 – 10 times greater			
For an ISA:				
Describe the Potential Critical Structural Weaknesses	None identified			
Does the result reflect the building's expected behaviour, or is more information/ analysis required?	Yes – the ISA is sufficient			
If the results of this ISA are being used for earthquake prone decision purposes, and elements rating <34%NBS have been identified:	Engineering Statement of Structural Weaknesses and Location NA	Mode of Failure and Physical Consequence Statement(s) NA		
For a DSA:				
Comment on the nature of Secondary Structural and Non-structural elements/ parts identified and assessed				
Describe the Governing Critical Structural Weakness				
If the results of this DSA are being used for earthquake prone decision purposes, and elements rating <34%NBS have been identified (including Parts) ³ :	Engineering Statement of Structural Weaknesses and Location	Mode of Failure and Physical Consequence Statement(s)		
Recommendations (optional for EPB purposes)				

³ If a building comprises a shared structural form or shares structural elements with other adjacent titles, information about the extent to which the low scoring elements affect, or do not affect the structure.