Page 1

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

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: | 38 Normandale Road | Job No.: | 5-C3957.00 |
|-----------------------|-----------------------|---------------|------------|
| AKA: | | By: | GSF |
| Name of building: | Minoh House | Date: | 24/09/2019 |
| City: | Normandale, 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)



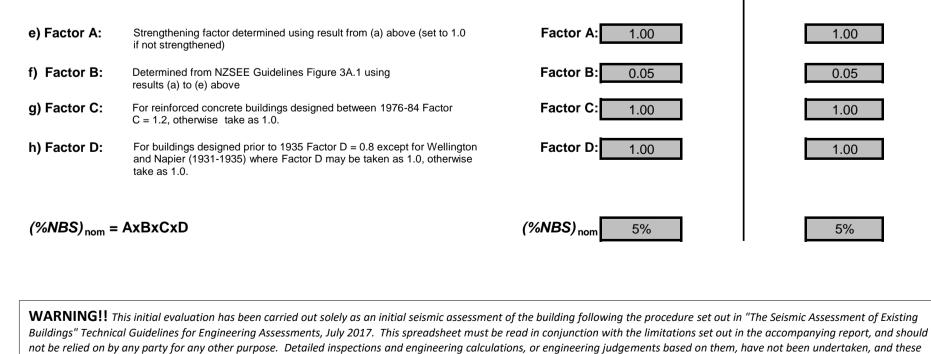
1.2 Sketches (plans etc, show items of interest)





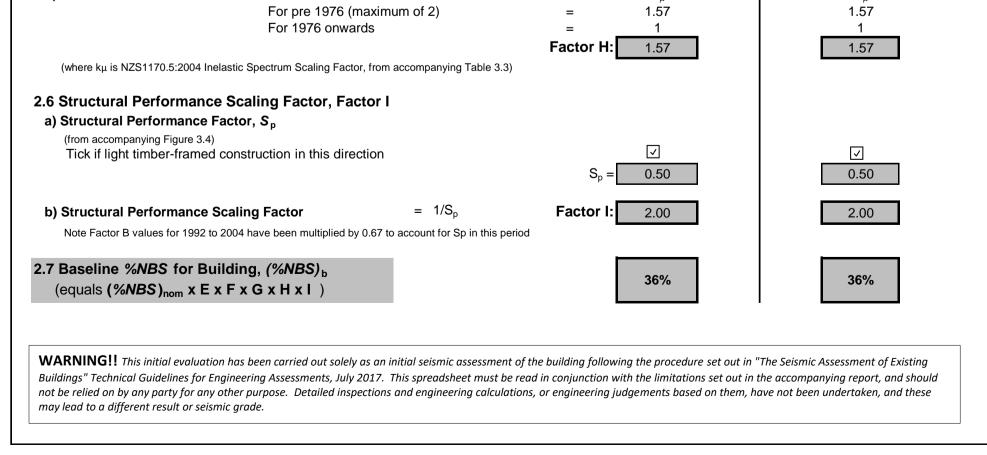
| | | g, wall linings replaced 1997 r (upgraded 1997 to the current code a | at that time) |
|------------------------------------|---|---|---------------|
| ubsoil: B Rock- NZS1170.5:2004 Sit | e Subsoil Classification of Lower I | Hutt | |
| an atmustice Dates 1020 accursed a | · · · · · · · · · · · · · · · · · · · | | |
| onstruction Date: 1930 assumed su | Ibstanitally upgraded 1997 Tick as appropriate | | |

| Street Number & Name: | 38 Normandale Road | | Job No.: | 5-C3957.00 |
|---|--|-----------------------|-------------------------------|-------------------------------------|
| AKA: Name of building: City: | Minoh House Normandale, Hutt City | C | By: Date: Revision No.: | GSF 24/09/2019 <mark>0</mark> |
| Table IEP-2 Initial E | valuation Procedure Step 2 | | | |
| Step 2 - Determination of (| %NBS) _b | | | |
| Baseline (%NBS) for particular bu | | | _ | |
| 2.1 Determine nominal (%NB | S) = (%NBS) _{nom} | Longitudinal | | Transverse |
| a) Building Strengthening Dat | | | | |
| , , , , , , | | | | |
| - | have been strengthened in this direction | | | |
| If strengthened, enter perc | entage of code the building has been strengthened | to N/A | | N/A |
| b) Year of Design/Strengthenir | ng, Building Type and Seismic Zone | | | |
| | | Pre 1935 🔘 | | Pre 1935 🔘 |
| | | 1935-1965 🔾 | | 1935-1965 🔾 |
| | | 1965-1976 | | 1965-1976 🔿 |
| | | 1976-1984 | | 1976-1984 🔾 |
| | | 1984-1992 💍 | | 1984-1992 🔿 |
| | | 1992-2004 🔿 | | 1992-2004 🔿 |
| | | 2004-2011 | | 2004-2011 |
| | | Post Aug 2011 | | Post Aug 2011 (|
| | Building Type: | Others - Wellington | | thers - Wellington |
| | Seismic Zone: | Not applicable | e | Not applicable |
| c) Soil Type | | | | |
| From NZS1170.5:20 | 004, Cl 3.1.3 : | A or B Rock | - A | or B Rock |
| From NZS4203:199 (for 1992 to 2004 a | • | Not applicable | e | Not applicable |
| d) Estimate Period, <i>T</i> | | | | |
| Comment: | | h _n = 10 | | 10 m |
| Timber | | A _c = 1.00 | | 1.00 m ² |
| Moment Resisting Concrete | Frames: $T = \max\{0.09h_n^{0.75}, 0.4\}$ | 0 | | 0 |
| Moment Resisting Steel Fra | | Ō | | 0 |
| Eccentrically Braced Steel F | | 0 | | 0 |
| All Other Frame Structures: | | ۲ | | ۲ |
| Concrete Shear Walls | $T = \max\{0.09h_{n}^{0.75}/A_{c}^{0.5}, 0.4\}$ | | | |
| Masonry Shear Walls: User Defined (input Period) | . <i>T</i> <u><</u> 0.4sec | | | 0 |
| , | | 0 | | 0 |
| | $_{n}$ = height in metres from the base of the structure to the st seismic weight or mass. | T: 0.40 | | 0.40 |



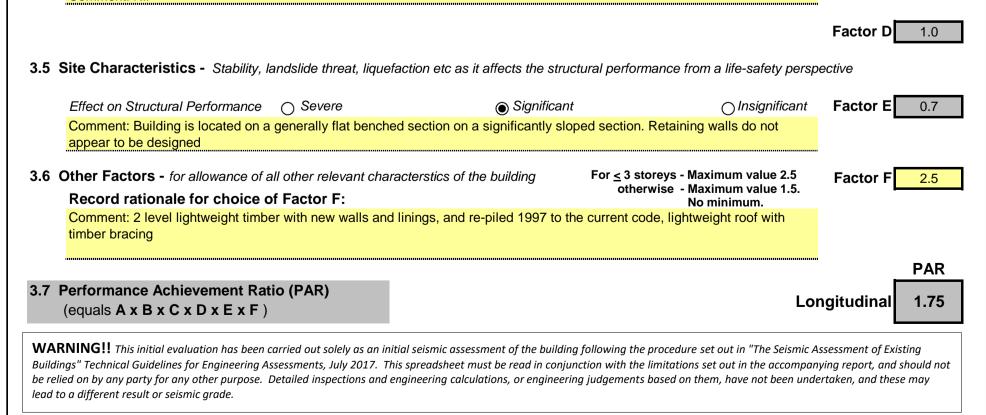
may lead to a different result or seismic grade.

| street Number & Name: | 38 Normanda | | Job | NO | 5-C3957.00 |
|---|---|-------------------------|--|----------------|------------------------------------|
| KA: | - | | By: | <mark>.</mark> | GSF |
| lame of building: | Minoh House | | Date | | 24/09/2019 |
| Sity: | Normandale, | Hutt City | Rev | sion No.: | 0 |
| Table IEP-2 Initial Evalu | uation Proce | dure Step 2 | continued | | |
| .2 Near Fault Scaling Factor, Fa | ctor E | | | | |
| If $T \leq 1.5$ sec, Factor E = 1 | | | Longitudinal | | Transverse |
| a) Near Fault Faster N/T D) | | | | | |
| a) Near Fault Factor, <i>N(T,D)</i> | | | N(T,D): 1 | L | 1 |
| (from NZS1170.5:2004, CI 3.1.6) | | | | - I - r | |
| b) Factor E | | = 1/N(T,D) | Factor E: 1.00 | 1 | 1.00 |
| .3 Hazard Scaling Factor, Facto | r F | | | | |
| a) Hazard Factor, Z, for site | | | | | |
| Location: | Hutt Valley-south of T | Taita Gorge 🗸 | Refer right for user-defined locations | | |
| Z = | 0.4 | (from NZS1170.5 | :2004, Table 3.3) | | |
| $Z_{1992} =$ | 1.2 | (NZS4203:1992 2 | Zone Factor from accompanying Figure 3.5(b)) | | |
| $Z_{2004} =$ | 0.4 | (from NZS1170.5 | :2004, Table 3.3) | | |
| b) Factor F | | | | | |
| For pre 1992 | = | 1/Z | | | |
| For 1992-2011 | = | Z ₁₉₉₂ /Z | | | |
| For post 2011 | = | Z ₂₀₀₄ /Z | Factor F: 2.50 | | 2.50 |
| | | | | | |
| .4 Return Period Scaling Factor | , Factor G | | | | |
| a) Design Importance Level, I (Set to 1 if not known. For buildings designed | d prior to 1965 and kno | own to be designed as a | a public | | |
| building set to 1.25. For buildings designed | | | blic I = 1 | | 1 |
| building set to 1.33 for Zone A or 1.2 for Zor | е Б. ГОГ 1970-1984 Se | r value.) | | | |
| b) Design Risk Factor, R _o | | | | | |
| (set to 1.0 if other than 1976-2004, or not k | alowit) | | $R_{o} = 1$ | | 1 |
| a) Datum Datied Faster D | | | | | |
| c) Return Period Factor, R (from NZS1170.0:2004 Building Importance | e l evel) | Choose Impo | <i>rtance Level</i> ◯ 1 ● 2 ◯ 3 ◯ 4 | O 1 | |
| | 0 2000) | <u>enecce mpo</u> | $\underbrace{\text{rtance Level}}_{1} \bigcirc 1 \bigcirc 2 \bigcirc 3 \bigcirc 4$ | | $\bigcirc 2 \bigcirc 3 \bigcirc 4$ |
| | | | R = 1.0 | | 1.0 |
| d) Factor C | | | | | |
| d) Factor G | = | IR _o /R | Factor G: 1.00 | r | 1.00 |
| .5 Ductility Scaling Factor, Fact | or H | | | _ _ | 1.00 |
| a) Available Displacement Ductility | | Structure | | | |
| Comment: | -- | | $\mu = 2.00$ | | 2.00 |
| | | | F* | I | |



| reet Number & Name: | 38 Normandale Road | | | J | ob No.: | 5-C3957.00 |
|--|---|--|--|---|---|------------------|
| ΚΑ: | | | | | y: | GSF |
| ame of building: | Minoh House | | | D | ate: | 24/09/2019 |
| ty: | Normandale, Hutt City | | | R | evision No.: | 0 |
| able IEP-3 Initial Eval | uation Procedure Ste | ep 3 | | | | |
| ep 3 - Assessment of Perfore efer Appendix B - Section B3.2) | rmance Achievement Ra | tio (PAR) | | | | |
| Longitudinal Direction | | | | | | |
| potential CSWs | | ct on Structura ose a value - Do | | | | Facto |
| 1 Plan Irregularity | | | - | | | |
| Effect on Structural Performance Comment: Nil | e 🔿 Severe | ⊖ Sign | ificant | | ● Insignificant | Factor A 1.0 |
| 2 Vertical Irregularity | | | | | | |
| Effect on Structural Performance | e 🔿 Severe | 🔿 Sign | ificant | | ⊚ Insignificant | Factor B 1.0 |
| Comment: Nil | | | | | | |
| 3 Short Columns | | | | | | |
| Effect on Structural Performance | e 🔿 Severe | ⊖ Sign | ificant | | Insignificant | Factor C 1.0 |
| Comment: Nil 4 Pounding Potential | | | | | | |
| | = the lower of the two, or 1.0 i | f no potential fo | r pounding, | or consequenc | es are considered | to be minimal) |
| 4 Pounding Potential (Estimate D1 and D2 and set D = a) Factor D1: - Pounding Effect Note: Values given assume the bu | the lower of the two, or 1.0 i uilding has a frame structure. | For stiff buildin | gs (eg shea | r walls), the effe | | d to be minimal) |
| 4 Pounding Potential (Estimate D1 and D2 and set D = a) Factor D1: - Pounding Effect Note: Values given assume the bu may be reduced by taking th | uilding has a frame structure. he coefficient to the right of t | For stiff buildin he value applica | gs (eg shea ble to frame D1 For Lo | r walls), the effe e buildings. ngitudinal Dire | ect of pounding | |
| 4 Pounding Potential (Estimate D1 and D2 and set D = a) Factor D1: - Pounding Effect Note: Values given assume the bu may be reduced by taking th Table for Selection of Fa | uilding has a frame structure. he coefficient to the right of t | For stiff buildin he value applica Factor Separation 0 | gs (eg shea ble to frame | r walls), the effe e buildings. | ect of pounding | |
| 4 Pounding Potential (Estimate D1 and D2 and set D = a) Factor D1: - Pounding Effect Note: Values given assume the bu may be reduced by taking th Table for Selection of Fa | uilding has a frame structure. he coefficient to the right of t | For stiff buildin he value applica Factor Separation 0 | gs (eg shea ble to frame D1 For Lo Severe | er walls), the effe e buildings. ngitudinal Dire Significant | ect of pounding ection: 1.0 Insignificant | |
| 4 Pounding Potential (Estimate D1 and D2 and set D = a) Factor D1: - Pounding Effect Note: Values given assume the bu may be reduced by taking th Table for Selection of Fa Alignme | uilding has a frame structure. he coefficient to the right of t | For stiff buildin he value applica Factor Separation 0 Storey Height | gs (eg shea ble to frame D1 For Lo Severe <sep<.005h< td=""><td>nr walls), the effe e buildings. ngitudinal Dire Significant .005<sep<.01h< td=""><td>ect of pounding ection: 1.0 Insignificant Sep>.01H</td><td></td></sep<.01h<></td></sep<.005h<> | nr walls), the effe e buildings. ngitudinal Dire Significant .005 <sep<.01h< td=""><td>ect of pounding ection: 1.0 Insignificant Sep>.01H</td><td></td></sep<.01h<> | ect of pounding ection: 1.0 Insignificant Sep>.01H | |
| 4 Pounding Potential (Estimate D1 and D2 and set D = a) Factor D1: - Pounding Effect Note: Values given assume the bu may be reduced by taking th Table for Selection of Fa | uilding has a frame structure. he coefficient to the right of the righ | For stiff buildin he value applica Factor Separation 0 Storey Height | gs (eg shea ble to frame D1 For Lo Severe <sep<.005h< td=""><td>nr walls), the effe e buildings. ngitudinal Dire Significant .005<sep<.01h< td=""><td>ect of pounding ection: 1.0 Insignificant Sep>.01H () 1</td><td></td></sep<.01h<></td></sep<.005h<> | nr walls), the effe e buildings. ngitudinal Dire Significant .005 <sep<.01h< td=""><td>ect of pounding ection: 1.0 Insignificant Sep>.01H () 1</td><td></td></sep<.01h<> | ect of pounding ection: 1.0 Insignificant Sep>.01H () 1 | |
| 4 Pounding Potential (Estimate D1 and D2 and set D = a) Factor D1: - Pounding Effect Note: Values given assume the bu may be reduced by taking th Table for Selection of Fa Alignme | uilding has a frame structure. he coefficient to the right of to actor D1 gnment of Floors within 20% of a ent of Floors not within 20% of a | For stiff buildin he value applica Factor Separation 0 Storey Height | gs (eg shea ble to frame D1 For Lo Severe <sep<.005h< td=""><td>nr walls), the effe e buildings. ngitudinal Dire Significant .005<sep<.01h< td=""><td>ect of pounding ection: 1.0 Insignificant Sep>.01H () 1</td><td></td></sep<.01h<></td></sep<.005h<> | nr walls), the effe e buildings. ngitudinal Dire Significant .005 <sep<.01h< td=""><td>ect of pounding ection: 1.0 Insignificant Sep>.01H () 1</td><td></td></sep<.01h<> | ect of pounding ection: 1.0 Insignificant Sep>.01H () 1 | |
| 4 Pounding Potential (Estimate D1 and D2 and set D = a) Factor D1: - Pounding Effect Note: Values given assume the bu may be reduced by taking th Table for Selection of Fa Alig Alignme Comment: Nil b) Factor D2: - Height Diffe | uilding has a frame structure. he coefficient to the right of the coefficient to the right of the right of the coefficient of the coefficient to the right of the coefficient to the right of the coefficient to the coefficient to the right of the right of | For stiff buildin he value applicat Factor Separation 0 Storey Height Storey Height | D1 For Lo Severe <sep<.005h 0 1 0 0.4 D2 For Lo</sep<.005h | ngitudinal Dire Significant .005 <sep<.01h 0 1 0.7</sep<.01h | ect of pounding ection: 1.0 Insignificant Sep>.01H ① 1 ① 0.8 ection: 1.0 | |
| 4 Pounding Potential (Estimate D1 and D2 and set D = a) Factor D1: - Pounding Effect Note: Values given assume the bu may be reduced by taking th Table for Selection of Fa Alig Alignme | uilding has a frame structure. he coefficient to the right of the coefficient to the right of the right of the coefficient of the coefficient to the right of the coefficient to the right of the coefficient to the coefficient to the right of the right of | For stiff buildin he value applicat Factor Separation 0 Storey Height Storey Height Factor | D1 For Lo Severe <sep<.005h () 1 () 0.4 D2 For Lo Severe</sep<.005h | nr walls), the effe e buildings. ngitudinal Dire Significant .005 <sep<.01h 0 1</sep<.01h | ect of pounding ection: 1.0 Insignificant Sep>.01H ① 1 ① 0.8 | |
| 4 Pounding Potential (Estimate D1 and D2 and set D = a) Factor D1: - Pounding Effect Note: Values given assume the bu may be reduced by taking th Table for Selection of Fa Alig Alignme Comment: Nil b) Factor D2: - Height Diffe | uilding has a frame structure. he coefficient to the right of the coefficient to the right of the right of the coefficient of the coefficient to the right of the coefficient to the right of the coefficient to the coefficient to the right of the right of | For stiff buildin he value applica Factor Separation 0 Storey Height Storey Height Factor | D1 For Lo Severe <sep<.005h () 1 () 0.4 D2 For Lo Severe</sep<.005h | ngitudinal Dire Significant .005 <sep<.01h 0 1 0.7</sep<.01h | ect of pounding ection: 1.0 Insignificant Sep>.01H ① 1 ① 0.8 ection: 1.0 Insignificant | |

Comment: Nil



| GSF 24/09/2019 No.: 0 Factor A 1 significant Factor A 1 |
|---|
| No.: 0 Factor A |
| Factor A 1 |
| significant Factor A 1 |
| significant Factor A 1 |
| significant Factor A 1 |
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| significant Factor B 1 |
| significant Factor B 1 |
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| significant Factor C 1 |
| |
| onsidered to be minimal) unding |
| 1.0 ificant >>.01H |
| ificant |
| ificant p>.01H |
| ificant >>.01H () 1 |
| ificant >>.01H () 1 |
| ificant >>.01H ● 1 ○ 0.8 1.0 |
| ificant >>.01H ● 1 |
| ificant >>.01H 1 0.8 1.0 ificant |
| on |

Comment: Nil

| Site Characteristics - Stability, landslide threat, liquefaction | etc as it affects the structural performanc | e from a life-safety persp | ective | |
|---|---|--|----------|------|
| Effect on Structural Performance 🛛 🔿 Severe | Significant | 🔿 Insignificant | Factor E | 0.7 |
| Comment: Building is located on a generally flat benched sect appear to be designed | ion on a significantly sloped section. Reta | v | _ | |
| Other Factors - for allowance of all other relevant characterst Record rationale for choice of Factor F: Comment: 2 level lightweight timber with new walls and linings | otherwise | s - Maximum value 2.5 - Maximum value 1.5. No minimum. | Factor F | 2.50 |
| timber bracing | s, and re-plied 1997 to the current code, i | | | |
| | | | | PAR |
| Performance Achievement Ratio (PAR) (equals A x B x C x D x E x F) | | Ті | ansverse | 1.75 |

lead to a different result or seismic grade.

| reet Number & Name | . 3 | 88 Normanda | le Road | | | Job No | 0.: | 5-C3957.00 |
|--|--------------------|-----------------------------|------------------------------|-------------|------|------------------------|-------------|------------------------|
| . | | /linoh House Normandale, | h House andale, Hutt City | | | By: Date: Revisi | on No.: | GSF 24/09/2019 0 |
| able IEP-4 Init | ial Evalua | ation Proce | dure Steps | 4, 5, 6 and | 7 | | | |
| ep 4 - Percentage o | f New Buil | ding Standar | d <i>(%NBS)</i> | | | | | _ |
| | | | | | Long | itudinal | | Transverse |
| Assessed Baselin (from Table IEP - | • | 6 NBS) _b | | | 3 | 6% | | 36% |
| Performance Ach (from Table IEP - | | atio (PAR) | | | 1 | .75 | | 1.75 |
| B PAR x Baseline (% | %NBS) _b | | | | 6 | i0% | | 60% |
| Percentage New E (Use lower of two | - | • | :) - Seismic Ra | ating | | | | 60% |
| ep 5 - Is <i>%NBS <</i> 34 | 1? | | | | | | | NO |
| ep 6 - Potentially Ea | arthquake | Risk (is <i>%NB</i> | S < 67)? | | | | | YES |
| ep 7 - Provisional G | irading for | Seismic Risl | k based on IE | ΕP | | | | |
| | | | | | | Seism | ic Grade | С |
| Additional Commen | - | | | | | | | |
| Comment: Details of | Ũ | | , i | Ũ | Ŭ | Ŭ | | and the Real and |
| The building is rated structure is rated >34 | | ially earting | luake prone | e due to pr | | | iley 5, the | greater timper |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Relationship t | oetween (| Grade and | %NBS: | | | | | |
| | Grade: | A+ | A | В | С | D | E | 1 |
| | %NBS: | > 100 | 100 to 80 | | | < 34 to 20 | < 20 | |

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| Init | ial Evaluation Proce | dure (IEP) Assessment - Completed | I for Hutt City Council | Page 7 |
|------|--------------------------------------|--|---|--------------------------------------|
| AKA | ne of building: | 38 Normandale Road Minoh House Normandale, Hutt City | Job No.: By: Date: Revision No.: | 5-C3957.00 GSF 24/09/2019 0 |
| Tat | ble IEP-5 Initial Eva | aluation Procedure Step 8 | | |
| Ste | • | tential Severe Structural Weaknesses (SS significant number of occupants | SWs) that could result in | |
| 8.1 | Number of storeys abov | e ground level | | 2 |
| 8.2 | Presence of heavy conc | rete floors and/or concrete roof? (Y/N) | | N |
| | Potential Severe | Structural Weaknesses (SSWs | 5): | |
| | Note: Options that are greyed | d out are not applicable and need not be considered. | | |
| | Occupancy not consid | lered to be significant - no further consid | eration required | |
| | Risk not considered to | b be significant - no further consideration | required | |
| | | I Severe Structural Weaknesses (SSWs) uld result in significant risk to a significa | | |
| | 1. None identified | | | |
| | 2. Weak or soft storey | (except top storey) | | |
| | | /or beam-column joints the deformations other structural elements | of which are | |
| | 4. Flat slab buildings v connections | vith lateral capacity reliant on low ductilit | y slab-to-column | |
| | 5. No identifiable conn | ection between primary structure and dia | aphragms | |
| | 6. Ledge and gap stair | | | |

IEP Assessment Confirmed by

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| treet Number & Name: KA: ame of building: ity: | 38 Normandale Road Minoh House Normandale, Hutt City | Job No.: By: Date: Revision No.: | 5-C3957.00 GSF 24/09/2019 0 |
|---|--|---|--|
| able IEP-1a Additi | onal Photos and Sketches | | |
| | | 2 A. said day is | |
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| 1. Building Information | ı |
|--|--|
| Building Name/ Description | Minoh House |
| Street Address | 38 Normandale Road, Normandale |
| Territorial Authority | Hutt City Council |
| No. of Storeys | 1 |
| Area of Typical Floor (approx.) | 300 sqm |
| Year of Design (approx.) | Not confirmed assumed 1930 |
| NZ Standards designed to | Foundations upgraded to - NZS 3604:1990 |
| Structural System including Foundations | Timber framed structure with lined and I timber braced walls with weatherboard cladding. Timber framed roof with lightweight cladding , piled and concrete foundation wall. |
| Does the building comprise a shared structural form or shares structural elements with any other adjacent titles? | Νο |
| Key features of ground profile and identified geohazards | Generally flat ground profile under the house, general site located an sloped ground with increasing slope toward SH2 to the south east, subsoil B |
| Previous strengthening and/ or significant alteration | Upgraded foundation and replacement of wall linings 1997 |
| Heritage Issues/ Status | Nil |
| Other Relevant Information | Original chimneys – no construction details |

ISA

| 2. Assessment Information | | |
|--|--|--|
| Consulting Practice | | |
| CPEng Responsible, including: Name CPEng number A statement of suitable skills and experience in the seismic assessment of existing buildings¹ | | |
| Documentation reviewed, including: date/version of drawings/ calculations² previous seismic assessments | Plans and notes dated 1997 detailing some internal wall changes and upgrade of the foundations | |
| Geotechnical Report(s) | NA – subsoil assumed based on local knowledge refer to section 3 | |
| Date(s) Building Inspected and extent of inspection | 24 September 2019 | |
| Description of any structural testing undertaken and results summary | None | |
| Previous Assessment Reports | ΝΑ | |
| Other Relevant Information | Nil | |

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

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 | B assumed based on local knowledge and NZS1170.5:2004 Site Subsoil Classification of Lower Hutt http://nzsee.org.nz/db/2011/013.pdf | | |
| <u>For an ISA:</u> | | | |
| 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, sarked roof with lightweight cladding and re-piled foundations. 0.7 Factor applied for site characteristics, overall site has a significant slope toward SH2 | | |
| 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 | <34%NBS IL2 based on Chimney, the primary structure is rated 60%IL2 | | |
| Seismic Grade and Relative Risk (from Table A3.1) | D Grade 10 to 25 times risk comparable to new building | | |
| For an ISA: | | | |
| Describe the Potential Critical Structural Weaknesses | Original chimneys – assumed brick | | |
| Does the result reflect the building's expected behaviour, or is more information/ analysis required? | Yes – the ISA is sufficient, the primary timber structure is rated at 60%IL2 | | |
| If the results of this ISA are being used for earthquake prone decision purposes, <u>and</u> elements rating <34%NBS have been identified: | Engineering Statement of Structural Weaknesses and Location NA | <i>Mode of Failure and Physical</i> <i>Consequence</i> Statement(s) | |
| 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, <u>and</u> 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) | Overall building rated 60%IL2 – recommend propping or removal of the chimney's | | |

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.