# BEFORE THE HEARINGS PANEL FOR THE CENTRAL OTAGO DISTRICT COUNCIL

**UNDER** the Resource Management Act 1991

IN THE MATTER of RC240033 an application for land use

consent to construct a second residential dwelling in the Rural Residential Area at

353 Dunstan Road, Alexandra

BY NATASHA WILLIAMS

Applicant

# REPLY LEGAL SUBMISSIONS FOR THE APPLICANT

Dated: 31 January 2025



# Solicitor acting

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### MAY IT PLEASE THE COMMISSIONERS

### Introduction

- [1] These reply submissions are made on behalf of Natasha Williams (Applicant), in support of RC240033 (Application / Proposal).
- [2] The hearing for the Proposal was held at the Central Otago District Council (**Council**) offices on 10 December 2024 (**Hearing**). Counsel sought leave to respond to matters by way of reply at the Hearing. This was granted by the Commissioners, to be filed by 31 January 2025.
- [3] After preliminary matters for the reply are dealt with, Counsel wishes to respond to the following specific points which were in the focus of Commissioner questions in the course of the hearing:
  - (a) the application and helpfulness of applying the permitted baseline in determining the Proposal;
  - (b) the potential bulk and cumulative effects of the Proposal; and
  - (c) the application, relevant mitigation, and effects of the proposed skyline breach, in terms of the associated effects on character, landscape values, and rural amenity.

# **Preliminary matters**

Finalised landscape and construction plans

- [4] At the hearing, Counsel and the Applicant's landscape and planning witnesses tabled a series of revised designs and proposed conditions of consent, stemming from initial concerns raised in the s 42A report, despite no neighbours having raised any issues.
- [5] The revised Proposal ensures that the visual effect of the built form of the proposed dwelling is much lower than that which was assessed originally in the s 42A report, by:
  - (a) rotating the dwelling 90 degrees (so it is not 'broadside' to the road);

- (b) shifting the building further into the Site, increasing setbacks and visibility from the road; and
- (c) ensuring that screening of the building is secured by way of an amended landscaping plan demonstrating the retention of mature vegetation.
- [6] The finalised landscape plans are attached as **Appendix A**.
- [7] The finalised construction plans are attached as **Appendix B**.
- [8] These finalised plans are offered to be included as conditions of consent, further to those conditions of consent offered by the Applicant, as set out by the Applicant's expert planner, Mr Kloosterman.<sup>1</sup>
- [9] Counsel notes in addition to these conditions:
  - (a) an additional landscape condition was tabled at the hearing by Mr Kloosterman, which is similarly offered to be included in the conditions of consent;<sup>2</sup> and
  - (b) an additional landscape condition was included by Mr Tyler in his initial report, recommending that at least 75% of trees along the road frontage should be retained to maintain screening to the road.<sup>3</sup>
- [10] The Applicant also offers to include these as final conditions.

Updated affected persons approvals

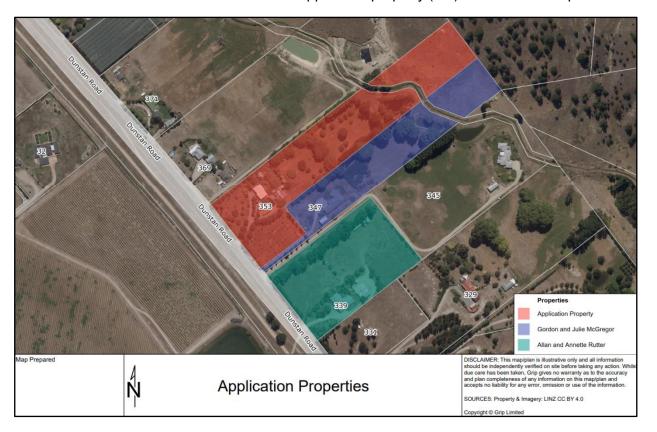
[11] In light of the above revised design, the Commissioners also sought that updated affected persons approvals (APA) be provided from adjacent properties.

Evidence of Peter Kloosterman, at [55].

Summary of evidence of Peter Kloosterman, at [12]. For ease, this condition reads: "All trees marked as 'existing trees' within the landscape plan are to be retained. Any tree that dies or becomes diseased shall be replaced by an equivalent or similar species within the first available planting season"

<sup>&</sup>lt;sup>3</sup> Evidence of Richard Tyler, at [6.3].

[12] Those two properties (blue and green) whose owners provided original APAs are shown beside the Applicant's property (red) on the below map:



- [13] The owners of 347 Dunstan Road, Gordon and Julie McGregor, have provided an updated APA. This is attached as **Appendix C**.
- [14] Counsel has been advised by the Applicant that 339 Dunstan Road was sold on or around 5 January 2025. As a result, combined with the fact that the owners/vendors do not reside at the property, the Applicant has not been able to obtain an updated APA from this property. To clarify, the request for an updated APA has not been refused, the Applicant has simply not been able to meet and discuss with the owners.
- [15] However, consistent with the expert opinions of Messrs Kloosterman<sup>4</sup> and Tyler<sup>5</sup> for the Applicant, Counsel notes:
  - (a) The owners of 347 Dunstan Road are most affected by the revised proposal, due to the revised building being located closer to their boundary. They have provided their updated APA. This was also

As set out in the summary statement of evidence of Peter Kloosterman, at [5].

As set out in the summary statement of evidence of Richard Tyler, at [10].

indicated by the Commissioners in their questions, with specific questions regarding the effects of the revised proposal on 347 Dunstan Road being asked.

- (b) There is a very limited change in adverse effects on 339 Dunstan Road compared to what effects existed under the original plans. As such, the Applicant respectfully seeks to rely on the original APA in terms of the level of acceptable effects on 339 Dunstan Road.
- [16] In light of the above, it is submitted that not receiving an updated APA from 339 Dunstan Road is inconsequential to the Commission's overall decision under s 104 RMA. For the reasons set out in Mr Tyler's evidence, effects from the updated proposal on 339 Dunstan Road and the wider environment are, given the long viewing distance and immediate screening trees, very low at most.6

# Role of Ms Rodgers in hearings

- Counsel notes that Ms Ann Rodgers, Principal Policy Planner for CODC, [17] was in attendance at the hearing of 10 December 2024. Counsel understands that Ms Rodgers' role at the hearing was, in general, to provide advice and guidance to the Commissioners, to aid in their decision making.
- [18] However, through the hearing, the majority of questions and prompts seemed to come from Ms Rodgers (albeit through 'clarifications'), rather than the Commissioners themselves. While grateful for Ms Rodgers' expertise in planning and consenting matters, Counsel does not consider it proper process that the majority of questions were made on behalf of the Commissioners, and it seemed that this level of engagement crosses the threshold of what could be considered 'advice and guidance'.
- As part of their decision, Counsel would be grateful if the Commissioners [19] could please clarify the extent Ms Rodgers, and indeed any planning

Ibid.

advisor, should be involved in the substantive points of a hearing and decision making.

### Permitted baseline

- [20] The written and oral legal submissions previously presented to the Commissioners extensively cover the application of the permitted baseline and existing environment to this matter. However, the hearing raised some further points that need clarifying, particularly regarding comments from Mr Adam Vincent the s 42A report author.
- [21] As stated, the s 42A report does not apply any permitted baseline due to there being no permitted residential activities at the Site, nor for breach of the skyline breaching Rule 4.7.6D.b of the Plan.
- [22] It is still the Applicant's position that it is helpful and non-fanciful to apply the permitted baseline to this Application as a comparator of effects.

  Though, it is ultimately applied at the Commissioners' discretion.
- [23] At the hearing, Mr Vincent expanded further on his comments in the s 42A report, stating that (in summary) no building of the scale and effects can be constructed as a permitted activity in the location, therefore the permitted baseline should not be applied. While it was accepted that a non-residential structure was permitted up to 10m, this was discounted as the proposal is residential (albeit a converted non-residential structure).
- [24] With respect to Mr Vincent, this is an incorrect application of the permitted baseline. The test is not whether another building of the same intended activity/use can be constructed as a permitted activity. Instead, one should assess what the effects of permitted activities at the site are and, if the Commissioners agree it is helpful, disregard those effects when determining the Application.
- [25] As stated in legal submissions,<sup>7</sup> there are relevant permitted activities for non-residential / farm buildings within the Site, which would contribute to effects in terms of built form, cumulative landscape effects, and

Legal submissions for the Applicant, at [17].

landscape character. This includes the construction of a 10m tall nonresidential barn/shed (save for skyline breaches).8

- [26] In terms of determining whether the permitted baseline test should be used, this was set out at [18]-[21] of legal submissions. Counsel considers that the permitted baseline is a useful tool for those same reasons as submitted.
- In any event, and noting that the application of the baseline is at the [27] Commission's discretion, the Applicant's proposal does not turn on the baseline being applied. As addressed in the Applicant's expert evidence, 9 with or without applying a baseline the visual/amenity effects of the Proposal overall are very low, with low effects in winter (due to the deciduous nature of screening trees). There will also be no adverse cumulative effects, with the proposed building consistent with landscape character.10

### **Bulk and cumulative effects**

- [28] Also apparent at the hearing were concerns regarding the effects of the Proposal on the rural amenity and character of the area. Mr Vincent made several comments in this regard, including that the proposed building would be one of/the largest/tallest in the district.
- [29] This is an unfounded claim with no supporting evidence. In fact, the evidence of Mr Tyler is that the height is not unusual in the rural locality, considering other barns and farm buildings. 11 Counsel also notes that while the proposed height is 8.8m (9.3m including the chimney), as previously stated, farm buildings up to 10m in height can be constructed as a permitted activity.
- [30] Counsel notes the evidence of Mr Tyler for the Applicant, which considers that there would only be a short and filtered view of the proposed building when driving past. The existing and planned vegetation means the Site is well screened and, at worst, would be

<sup>8</sup> Standard 4.7.6A.f

<sup>9</sup> Evidence of Richard Tyler, at [8.5]. 10

At [8.6]-[8.9].

At [8.3].

softened by twiggy foliage in winter.<sup>12</sup> Also from Mr Tyler, the effect of building height is reduced when considering architectural/rural vernacular and gable design.<sup>13</sup>

- [31] This view is not challenged as there is no corresponding peer review landscape report.<sup>14</sup> A simple drive-by of the Site confirms that the structure would be well-screened. The setback and effective screening of the Proposal also reduces cumulative effects.<sup>15</sup>
- [32] The Applicant has also heeded suggestions from the s 42A report and relocated the proposed building further from Dunstan Road, thereby further reducing bulk effects.
- [33] The s 42A report and hearing comments of Mr Vincent also noted the density of housing at this location along Dunstan Road between Coates Road and Waldron Road. This assessment is based solely on the northeastern side of Dunstan Road and, as stated above, is not an opinion expressed by a qualified landscape architect. The southwestern side of the road is a rural allotment currently being used for viticulture and related activities. The lack of dwellings there reduces the overall effect of the Proposal as only transient experiences will be affected (to a low degree) compared to the impact on a neighbourhood.
- [34] As a consequence, and reiterating the evidence of Mr Kloosterman,<sup>17</sup> the Applicant considers the density assessment flawed and excludes the very relevant fact that nearly half of the location contains no dwellings at all. This, combined with the effective screening and building placement, means the Applicant still considers the Proposal will have less than minor density and cumulative effects. Dwellings along Dunstan Road are also largely screened behind vegetation, further limiting density and cumulative effects.
- [35] It is submitted that Mr Vincent's consideration of both visibility and density effects is particularly 'static' and views the Site in an artificially

<sup>&</sup>lt;sup>12</sup> At [6.3].

<sup>&</sup>lt;sup>13</sup> At [8.4]

That Mr Tyler was the only qualified landscape architect in attendance, and that his opinion should therefore be preferred, was accepted by Mr Vincent in the hearing.

Evidence of Richard Tyler, at [8.8].

Section 42A report, at 10.

Evidence of Peter Kloosterman, at [27].

isolated context through a narrow lens which would not ordinarily be a view or experience attained by passers-by traveling on Dunstan Road. Counsel submits that the Commissioners should be guided by the only qualified landscape assessment before it, and which is unchallenged, in terms of density and visibility effects, the conclusions of which are that effects will be very low, or low in winter.<sup>18</sup>

# Skyline breach

- [36] The skyline breach for the proposed building, when viewed from certain locations on Dunstan Road, has been the subject of much discussion in both the s 42A report and hearing. The breach of standard 4.7.6D.b results in a restricted discretionary activity (though the proposal overall is assessed as discretionary).
- [37] Mr Vincent considers that "the skyline breach is an avoidable factor of the design of the dwelling...",<sup>19</sup> effectively by replacing the current building design for an entirely new and lower building height. He continued with this line of thought at the hearing, with little allowance for the extensive mitigation features at the Site.
- [38] The Applicant considers this an incorrect application of the standard. The District Plan does not provide that a skyline breach is to be avoided at all costs, but expressly contemplates mitigation. This is supported by the rules, standards, and policies of the District Plan, and also previous decisions involving skyline breaches.
- [39] Rule 4.7.3.iii, regarding the extent of the Council's discretion when dealing with a skyline breach in standard 4.7.6D.b, clearly allows for mitigation of the breach through screening and planting, and accounts for the prominence of the breach. As stated in the evidence of Mr Kloosterman, Policy 4.4.2 provides for avoidance, remediation or mitigation of adverse effects, with the intrusion over a Skyline not automatically defaulting to a decline.<sup>20</sup>

Evidence of Richard Tyler, at [8.5].

Section 42A report, at 9.

Evidence of Peter Kloosterman, at [37].

- [40] The effectiveness of this mitigation is clear in Mr Tyler's evidence. Photomontages in his Attachment A show how well screened the proposed building will be from Dunstan Road, with Mr Tyler's assessment of these views provided in writing.<sup>21</sup> The revised proposal is even less prominent, with skyline breaches further reduced, making the screening all that more effective.
- [41] While it was only briefly mentioned in legal submissions,<sup>22</sup> it is not uncommon for consent to be granted to Proposals with a skyline breach under r 4.7.6D.b. Though Counsel acknowledges that each decision must be made on its own merits, the above is evidenced by a similar application for a second dwelling on a lot in the Rural Resource Area, at 519 Springvale Road.<sup>23</sup> The Commission there found the effects from the skyline breach could be suitably screened, incorporating a shelterbelt and existing trees along Springvale Road. Counsel considers this reasoning is applicable to the current Application due to the existing and proposed vegetation, and the similar context.
- [42] Additionally, there is only a breach when viewed from Dunstan Road, where users will be travelling at 80 kmph. Users of the Otago Central Rail Trail, travelling much slower, will not see any breach. This context further reduces effects. Mr Vincent's concerns as to skyline breach are effectively limited to one static viewpoint on the side of the road, very close to the property boundary, such as to artificially be looking close and up at the building, thus creating a somewhat 'technical' skyline breach. It is submitted such an approach does not accord with what appears to be the intention of the rule, which is rather about prominent ridges and skylines and their protection. Mr Vincent's static and constrained viewpoint of a skyline breach does not take into account a holistic landscape experience as the ordinary road user would view the proposed building, when travelling in this context.
- [43] Applying the above, the Applicant considers that the proposed skyline breach can be adequately mitigated to a point where it results in less than minor effects. Contrary to the position taken by Mr Vincent,

Evidence of Richard Tyler, at [8.2].

Legal submissions for the Applicant, at [35].

<sup>&</sup>lt;sup>23</sup> RC220367

standard 4.7.6D.b does not provide for hard and fast avoidance, but allows for mitigation. This is consistent with higher order landscape policies and objectives of the District Plan for this zone which do not anticipate a no change outcome or avoidance of visibility.<sup>24</sup>

- [44] This is shown in previous decisions involving similar circumstances. The Applicant has provided this mitigation in the form of current and proposed plantings, which the evidence of Mr Tyler shows to be very effective in screening views of the proposal and skyline breach.<sup>25</sup>
- [45] Regardless, the revised Proposal, setting the proposed dwelling further back against the hillside and rotating it 90 degrees to the roadside, likewise reduces effects to minor or less than minor, making the Proposal suitable for the grant of consent according to the relevant objectives and policies of the Rural Residential zone.<sup>26</sup>

### Conclusion

[46] The Applicant considers that the Proposal, as revised, appropriately addresses the key issues raised in the hearing and the s 42A report, including the permitted baseline, cumulative / bulk effects, and the skyline breach. The evidence provided by the Applicant's experts demonstrates that the adverse effects of the Proposal, both individually and cumulatively, are appropriately mitigated such as to support the grant of consent under s 104 RMA.

# [47] In particular:

(a) The application of the permitted baseline provides a practical and fair context for assessing the Proposal's effects, acknowledging the permitted activities at the Site. With or without an application of the baseline, the Applicant's planning and landscape evidence

Evidence of Peter Kloosterman, at [37].

<sup>&</sup>lt;sup>25</sup> Evidence of Richard Tyler, at [8.5].

Objectives 4.3.1 and 4.3.3, and Policies 4.4.2 and 4.4.10, as covered in the Evidence of Peter Kloosterman, at [28]-[42].

is that the proposal's effects are minor or less than minor and overall consistent with the relevant objectives and policies.

- (b) The concerns regarding rural character and amenity have been addressed through the revised design, vegetation and landscape mitigation, and reduced prominence of the proposed building.
- (c) The skyline breach has been mitigated to a degree where the effects are less than minor, consistent with the District Plan's intentions for this rule and past decisions of the Council.
- [48] For the above reasons Counsel submits that the Commissioners consent to the Proposal, subject to the conditions offered in the evidence of Mr Kloosterman tabled at the hearing, and on the basis of revised plans attached.

Dated 31 January 2025

R E M Hill / B A G Russell

Counsel for the Applicant

# **Appendix A - Updated plans**







SITE LANDSCAPE ARCHITECTS ^

353 DUNSTAN ROAD **ALEXANDRA** 

SECOND DWELLING LANDSCAPE PLAN

461\_SK-01 27.11.24 \_draft FIG02

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# **Appendix B – Updated Architectural Set**

# PROPOSED NEWDWELLING FOR NATASHA WILLIAMS AT 353 DUNSTAN ROAD, ALEXANDRA

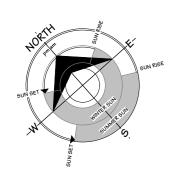
PLAN SET INDEX	SHEET	PLAN SET INDEX	SHEET	PLAN SET INDEX	SHEET	PLAN SET INDEX	SHEET
COVER PAGE	<i>O</i> 1	BRACING CALCULATIONS 2	21	BENT B	40	EAVE & RIDGE DETAILS	59
LOCATION PLAN	02	BRACING CALCULATIONS 3	22	BENT C	41	BARGE TO WALL JUNCTION DETAIL	60
SITE PLAN	03	BRACING CALCULATIONS 4	23	BENT D	42	BRICK TO WALL JUNCTION DETAIL	61
GROUND FLOOR DRAINAGE PLAN	05	BRACE FIXING DETAILS	24	ELEVATION 1	43	CHIMNEY DETAILS	62
FIRST FLOOR DRAINAGE PLAN	06	BRACE FIXING DETAILS	25	ELEVATION 2	44	CHIMNEY FLASHING DETAILS	63
ROOF CATCHMENT PLAN PLAN	07	GROUND FLOOR ELECTRICAL PLAN	26	3D VIEW	45	EXPANSION JOINT & CONTROL JOINT DETAILS	64
GROUND FLOOR PLAN	08	FIRST FLOOR ELECTRICAL PLAN	27	BENTY&Z	46	BRICK VENEER GUTTER TO WALL JUNCTION DETAIL	65
FIRST FLOOR PLAN	09	SECTION A-A	28	ELEVATION 3	47	DRAINAGE DETAILS	66
DIMENSION PLAN	10	SECTION B-B	29	ELEVATION 4	48	WET AREA DETAILS	67
ELEVATIONS	11	DOOR SCHEDULE	30	BASE DETAILS	49	WET AREA DETAILS	68
ELEVATIONS	12	WINDOW SCHEDULE - SHEET 1	31	PIPE PENETRATION DETAILS	50	WET AREA DETAILS	69
GROUND FLOOR ROOF/STUD FIXING/LINTEL FIXING PLAN	13	WINDOW SCHEDULE - SHEET 2	32	CORNER JUNCTION DETAILS	51	HWC DETAILS	70
FIRST FLOOR ROOF/STUD FIXING/LINTEL FIXING PLAN	14	3D VIEWS	33	CORNER JUNCTION DETAILS	52	COOKTOP DETAIL	71
STUD TO TOP PLATE/LINTEL FIXING DETAILS	15	3D VIEWS	34	JOINERY DETAILS	53	STAIR & HANDRAIL DETAILS	72
STUD TO TOP PLATE/LINTEL FIXING DETAILS	16	FOUNDATION PLAN	35	JOINERY DETAILS	54	H1 Calculation	73
STUD TO TOP PLATE/LINTEL FIXING DETAILS	17	POST LAYOUT PLAN	36	JOINERY DETAILS	55		
GROUND FLOOR BRACING PLAN	18	MID-FLOOR FRAMING LAYOUT	37	DOOR SILL DETAILS	56		
FIRST FLOOR BRACING PLAN	19	BENT A	38	SCHIST STONE EAVE & BARGE DETAILS	57		
BRACING CALCULATIONS 1	20	BEDROOM BENT	39	VERTICAL SHIPLA EAVE & BARGE DETAILS	58	_	







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# LOT 1-2 DP 316193 25,150m<sup>2</sup>

WIND ZONE EARTHQUAKE ZONE CORROSION ZONE HIGH CLIMATE ZONE SNOW LOADING

BUILDING FOOTPRINT: 305.85m<sup>2</sup>

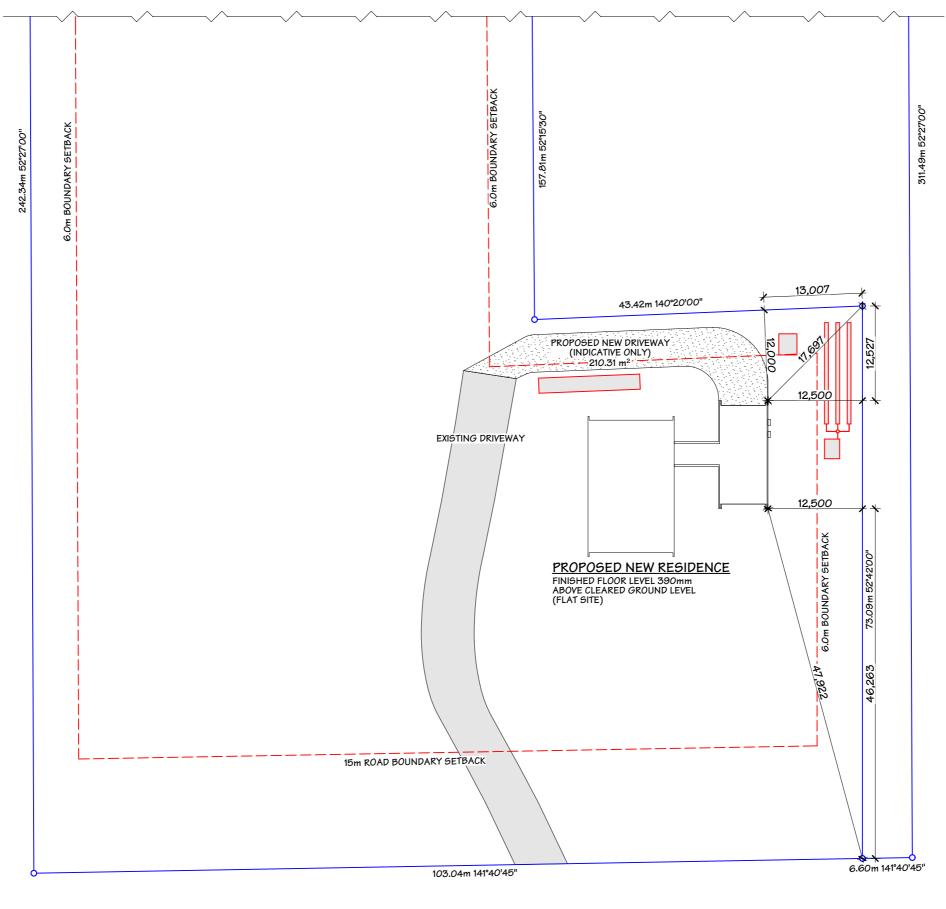
RURAL RESIDENTIAL ZONE CENTRAL OTAGO DISTRICT COUNCIL

# NOTE: HAZARD MANAGEMENT TEMPORARY FENCING

IF A WORK SITE IS NOT COMPLETELY ENCLOSED AND UNAUTHORISED ENTRY BY CHILDREN IS LIKELY, IT IS ACCEPTABLE FOR SPECIFIC HAZARDS TO BE FENCED ONLY WHEN WORKERS ARE ABSENT FROM THE IMMEDIATE VICINITY WHERE A POTENTIAL HAZARD AT A WORK SITE MAKES A SAFETY BARRIER NECESSARY, A BARRIER COMPLYING WITH TABLE 1, NZBC F5/AS1 IS AN ACCEPTABLE SOLUTION

- PATIO AND PAVING TO FRONT DOOR TO COMPLY WITH NZBC DI 2.1 SLIP RESISTANCE TABLE 2. MAXIMUM STEP HEIGHT TO COMMON / MAIN PRIVATE STAIRWAYS TO BE 190mm.

DISCLAIMER: COMMENCEMENT OF WORK



# **DUNSTAN ROAD**



JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

LOCATION PLAN

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

- Subject to council approval
- All measurements to be confirmed on site by the contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike.

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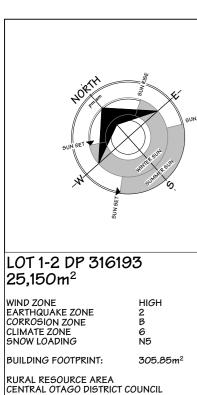
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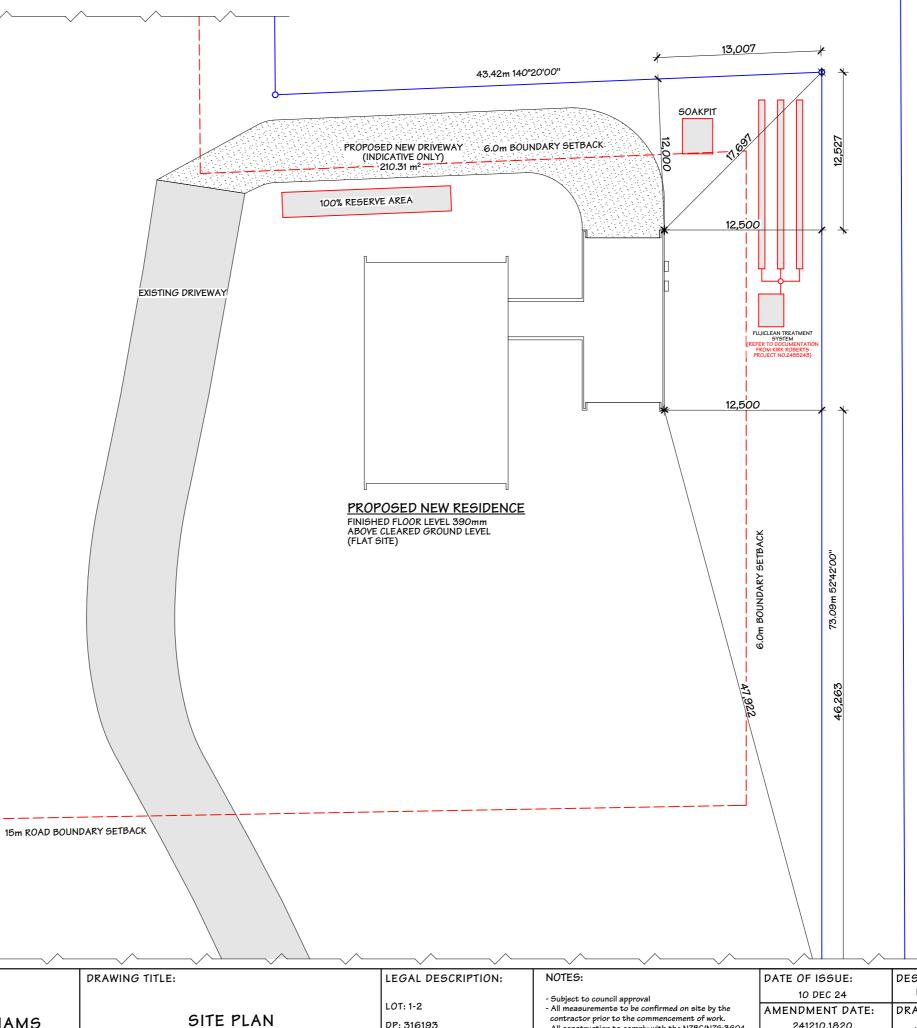
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DISCLAIMER:

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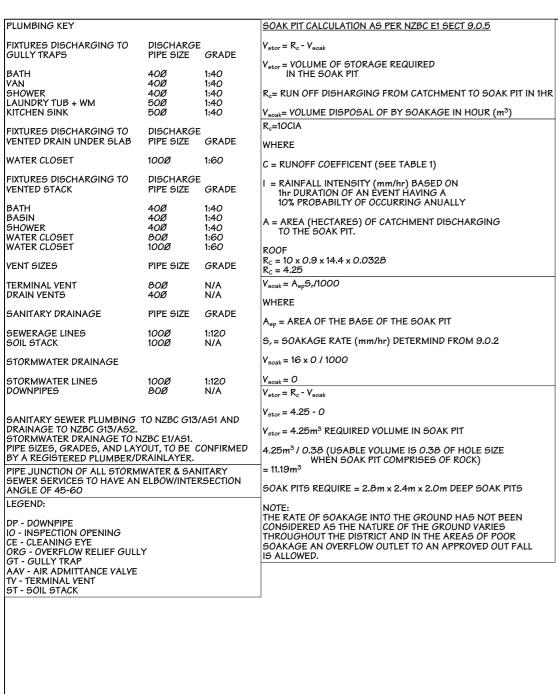
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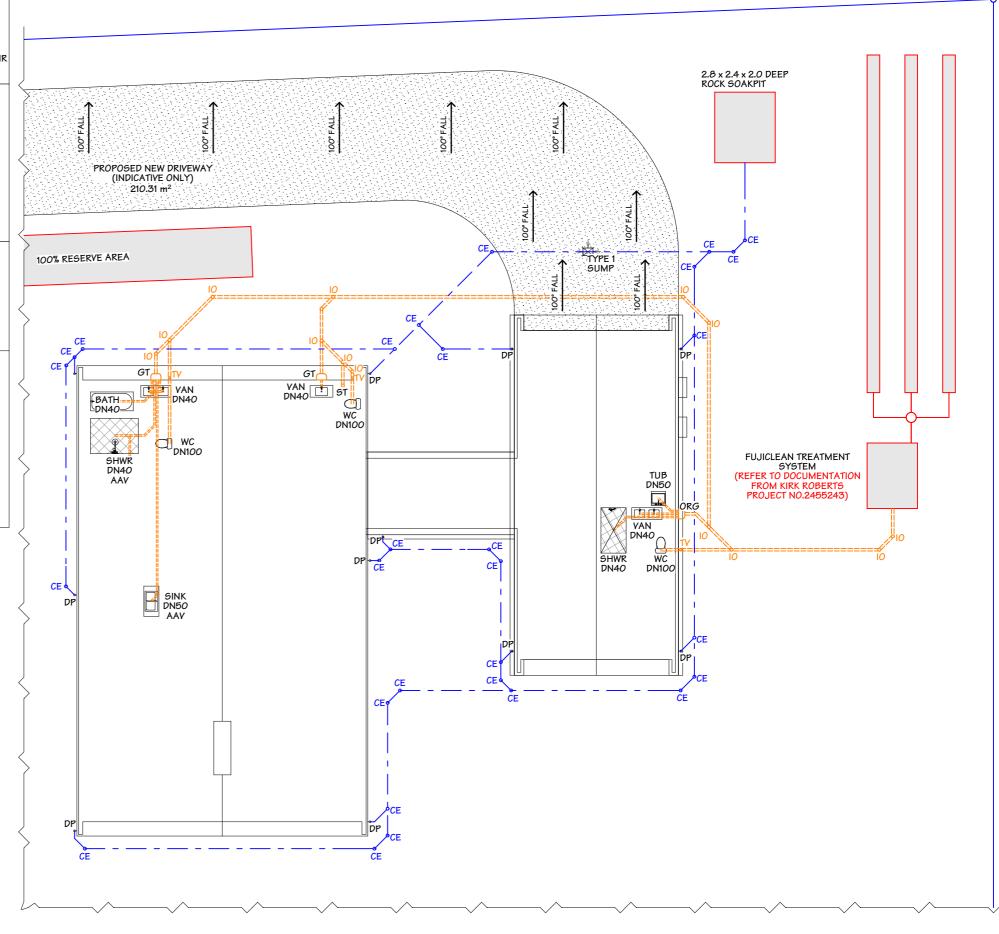
ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZ5:3604, along-side with all standards alike.

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JOB TITLE:

DRAWING TITLE:

GROUND FLOOR DRAINAGE PLAN

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193

NOTES:

- Subject to council approval
- All measurements to be confirmed on site by the

contractor prior to the commencement of work All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike.

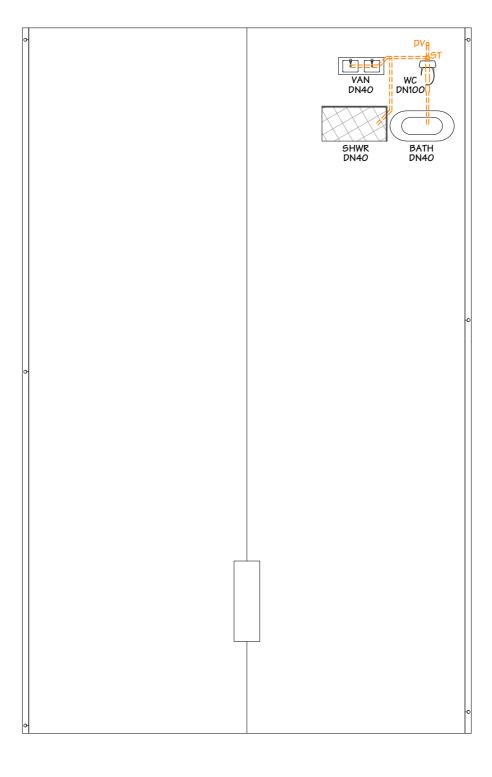
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NATASHA WILLIAMS

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

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PLUMBING KEY			SOAK PIT CALCULATION AS PER NZBC E1 SECT 9.0.5
FIXTURES DISCHARGING TO GULLY TRAPS	DISCHARGI PIPE SIZE	E GRADE	$V_{stor} = R_c - V_{soak}$
BATH /AN BHOWER LAUNDRY TUB + WM	40Ø 40Ø 40Ø 50Ø	1:40 1:40 1:40 1:40	V <sub>stor</sub> = VOLUME OF STORAGE REQUIRED IN THE SOAK PIT R <sub>c</sub> = RUN OFF DISHARGING FROM CATCHMENT TO SOAK PIT IN 1HR
KITCHEN SINK	50Ø	1:40	V <sub>soak</sub> = VOLUME DISPOSAL OF BY SOAKAGE IN HOUR (m³) R.=10CIA
FIXTURES DISCHARGING TO VENTED DRAIN UNDER SLAB	DISCHARGI PIPE SIZE	GRADE	WHERE
WATER CLOSET	100Ø	1:60	C = RUNOFF COEFFICENT (SEE TABLE 1)
FIXTURES DISCHARGING TO VENTED STACK BATH	DISCHARGI PIPE SIZE 40Ø	GRADE 1:40	I = RAINFALL INTENSITY (mm/hr) BASED ON 1hr DURATION OF AN EVENT HAVING A 10% PROBABILTY OF OCCURRING ANUALLY
Basin Shower Water Closet Water Closet	40Ø 40Ø 80Ø 100Ø	1:40 1:40 1:60 1:60	A = AREA (HECTARES) OF CATCHMENT DISCHARGING TO THE SOAK PIT.  ROOF
VENT SIZES	PIPE SIZE	GRADE	R <sub>C</sub> = 10 x 0.9 x 14.4 x 0.0328 R <sub>C</sub> = 4.25
TERMINAL VENT DRAIN VENTS	80Ø 40Ø	N/A N/A	$V_{\text{soak}} = A_{\text{sp}}S_{\text{r}}/1000$ WHERE
SANITARY DRAINAGE	PIPE SIZE	GRADE	A <sub>sp</sub> = AREA OF THE BASE OF THE SOAK PIT
SEWERAGE LINES SOIL STACK	100Ø 100Ø	1:12 <i>0</i> N/A	S <sub>r</sub> = 90AKAGE RATE (mm/hr) DETERMIND FROM 9.0.2
STORMWATER DRAINAGE			V <sub>soak</sub> = 16 x 0 / 1000
STORMWATER LINES DOWNPIPES	100Ø 80Ø	1:12 <i>0</i> N/A	$V_{\text{soak}} = O$ $V_{\text{stor}} = R_c \cdot V_{\text{soak}}$
GANITARY SEWER PLUMBING DRAINAGE TO NZBC G13/AS2. STORMWATER DRAINAGE TO N PIPE SIZES, GRADES, AND LAY BY A REGISTERED PLUMBER/I	NZBC E1/AS1. YOUT, TO BE (		V <sub>stor</sub> = 4.25 - 0  V <sub>stor</sub> = 4.25m <sup>3</sup> REQUIRED VOLUME IN SOAK PIT  4.25m <sup>3</sup> / 0.38 (USABLE VOLUME IS 0.38 OF HOLE SIZE WHEN SOAK PIT COMPRISES OF ROCK)
PIPE JUNCTION OF ALL STORM SEWER SERVICES TO HAVE AN ANGLE OF 45-60			= 11.19m <sup>3</sup> SOAK PITS REQUIRE = 2.8m x 2.4m x 2.0m DEEP SOAK PITS
LEGEND:			NOTE:  THE RATE OF SOAKAGE INTO THE GROUND HAS NOT BEEN
DP - DOWNPIPE IO - INSPECTION OPENING CE - CLEANING EYE ORG - OVERFLOW RELIEF GULL GT - GULLY TRAP AAV - AIR ADMITTANCE YALVE	.Y		CONSIDERED AS THE NATURE OF THE GROUND HAS NOT DEEN CONSIDERED AS THE NATURE OF THE GROUND VARIES THROUGHOUT THE DISTRICT AND IN THE AREAS OF POOR SOAKAGE AN OVERFLOW OUTLET TO AN APPROVED OUT FALL IS ALLOWED.
TV - TERMINAL VENT ST - SOIL STACK			





JOB TITLE:

DRAWING TITLE:

LEGAL DESCRIPTION: LOT: 1-2

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

DATE OF ISSUE: DESIGNER: SCALE: HTC10 DEC 24 1:100 AMENDMENT DATE: DRAWN: JON JOB#: REV NO: CHECKED: 23071

JON

SHEET: 6

FIRST FLOOR DRAINAGE PLAN NATASHA WILLIAMS

DP: 316193

- Subject to council approval

- All measurements to be confirmed on site by the contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZS:3604, alongside with all standards alike.

ALLOWABLE ROOF PLAN AREA SERVICED BY SECTION OF GUTTER

REFERENCE: E1/AS1 5.0 ROOF GUTTERS

ROOF PITCH: CROSS SECTIONAL AREA OF GUTTER: DESIGN RAINFALL INTENSITY 'I':

31.5° & 3° 12500mm²

THEREFORE FROM FIG.15 (25° - 35°roof pitch):

ALLOWABLE ROOF PLAN AREA: Measured section is from gutter high point to DP

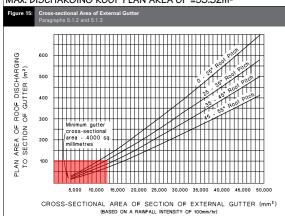
DOWNPIPE CALCULATION NOTE: 1 DOWNPIPE PER 80m²

ROOF PLAN AREA 'A': = ROOF PLAN AREA 'B': = ROOF PLAN AREA 'C': = 106.99m² 106.99m² 18.55m² = 2 DOWNPIPES = 2 DOWNPIPES ROOF PLAN AREA 'D': = 46.62m<sup>2</sup> ROOF PLAN AREA 'E': = 46.62m<sup>2</sup> = 2 DOWNPIPES = 2 DOWNPIPES

GUTTER FALL DIRECTION IS GOVERNED BY THE MAX. CROSS-SECTIONAL AREA (CSA) OF EXTERNAL GUTTER (E1/AS1 FIGURE 15) MAX. PLAN AREA OF BEING SERVED BY THE EXTERNAL GUTTER MUST NOT EXCEED ITS MAX. CSA.

CROSS-SECTIONAL AREA (CSA) OF EXTERNAL GUTTER SELECTED METALCRAFT HALF ROUND GUTTER HAS A MAX. CSA OF 8627mm²

AS PER E1/AS1 FIGURE 15 CROSS-SECTIONAL AREA OF SECTION OF EXTERNAL GUTTER IS =  $8200\,\mathrm{mm^2}$  APPROX. MAX. DISCHARGING ROOF PLAN AREA OF = $53.32\,\mathrm{m^2}$ 







JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

**ROOF CATCHMENT PLAN PLAN** 

LEGAL DESCRIPTION:

LOT: 1-2

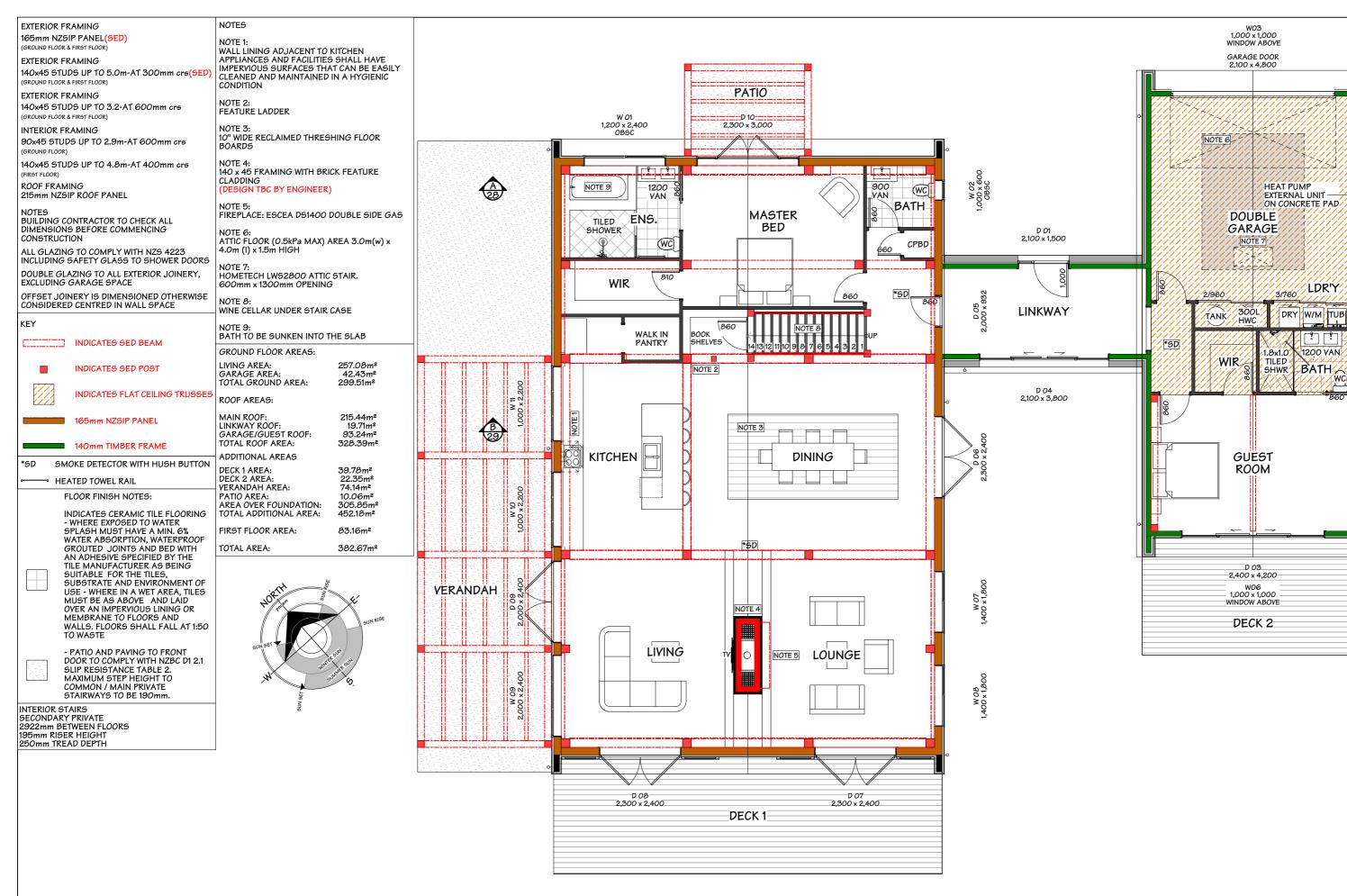
DP: 316193 ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

- Subject to council approval

- All measurements to be confirmed on site by the
contractor prior to the commencement of work.
- All construction to comply with the NZBC/NZS:360
alonaside with all standards alike.

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VERSION:	REV NO:	CHECKED:	23071	
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JOB TITLE:

DRAWING TITLE:

LOT: 1-2

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

DP: 316193

LEGAL DESCRIPTION:

NOTES:

- Subject to council approval
- All measurements to be confirmed on site by the

contractor prior to the commencement of work. - All construction to comply with the NZBC/NZS:3604, alongside with all standards alike.

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LDR'Y

1200 VAN

**B** 

W 05 ,400 × 2,000

**7**3

BATH

NATASHA WILLIAMS

GROUND FLOOR PLAN

EXTERIOR FRAMING

165mm NZSIP PANEL(SED) GROUND FLOOR & FIRST FLOOR)

EXTERIOR FRAMING

140x45 STUDS UP TO 5.0m-AT 300mm crs(SED) GROUND FLOOR & FIRST FLOOR)

EXTERIOR FRAMING

140x45 STUDS UP TO 3.2-AT 600mm crs GROUND FLOOR & FIRST FLOOR)

INTERIOR FRAMING

90x45 STUDS UP TO 2.9m-AT 600mm crs

140x45 STUDS UP TO 4.8m-AT 400mm crs

ROOF FRAMING

215mm NZSIP ROOF PANEL

BUILDING CONTRACTOR TO CHECK ALL DIMENSIONS BEFORE COMMENCING CONSTRUCTION

ALL GLAZING TO COMPLY WITH NZS 4223 INCLUDING SAFETY GLASS TO SHOWER DOORS DOUBLE GLAZING TO ALL EXTERIOR JOINERY, EXCLUDING GARAGE SPACE

OFFSET JOINERY IS DIMENSIONED OTHERWISE CONSIDERED CENTRED IN WALL SPACE

INDICATES SED BEAM

INDICATES SED POST

165mm NZSIP PANEL

140mm TIMBER FRAME

SMOKE DETECTOR WITH HUSH BUTTON

INDICATES FLAT CEILING TRUSSE

\*SD HEATED TOWEL RAIL

FLOOR FINISH NOTES:

INDICATES CERAMIC TILE FLOORING - WHERE EXPOSED TO WATER SPLASH MUST HAVE A MIN. 6% WATER ABSORPTION, WATERPROOF GROUTED JOINTS AND BED WITH AN ADHESIVE SPECIFIED BY THE TILE MANUFACTURER AS BEING SUITABLE FOR THE TILES. SUBSTRATE AND ENVIRONMENT OF USE - WHERE IN A WET AREA, TILES MUST BE AS ABOVE AND LAID OVER AN IMPERVIOUS LINING OR MEMBRANE TO FLOORS AND WALLS. FLOORS SHALL FALL AT 1:50



INTERIOR STAIRS 2922mm BETWEEN FLOORS 195mm RISER HEIGHT 250mm TREAD DEPTH

NOTE 1:

WALL LINING ADJACENT TO KITCHEN APPLIANCES AND FACILITIES SHALL HAVE IMPERVIOUS SURFACES THAT CAN BE EASILY CLEANED AND MAINTAINED IN A HYGIENIC CONDITION

NOTE 2. FEATURE LADDER

10" WIDE RECLAIMED THRESHING FLOOR BOARDS

140 x 45 FRAMING WITH BRICK FEATURE CLADDING (DESIGN TBC BY ENGINEER)

FIREPLACE: ESCEA DS1400 DOUBLE SIDE GAS

NOTE 6: ATTIC FLOOR (0.5kPa MAX) AREA 3.0m(w) x 4.0m (l) x 1.5m HIGH

HOMETECH LWS2800 ATTIC STAIR. 600mm x 1300mm OPENING

NOTE 8: WINE CELLAR UNDER STAIR CASE

BATH TO BE SUNKEN INTO THE SLAB

GROUND FLOOR AREAS:

LIVING AREA: GARAGE AREA: TOTAL GROUND AREA:

257.08m<sup>2</sup> 42.43m<sup>2</sup> 299.51m<sup>2</sup>

215.44m<sup>2</sup> 19.71m<sup>2</sup>

93.24m<sup>2</sup>

328.39m<sup>2</sup>

ROOF AREAS:

MAIN ROOF: LINKWAY ROOF: GARAGE/GUEST ROOF: TOTAL ROOF AREA:

ADDITIONAL AREAS

DECK 1 AREA: DECK 2 AREA: VERANDAH AREA: PATIO AREA:

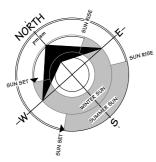
AREA OVER FOUNDATION: TOTAL ADDITIONAL AREA:

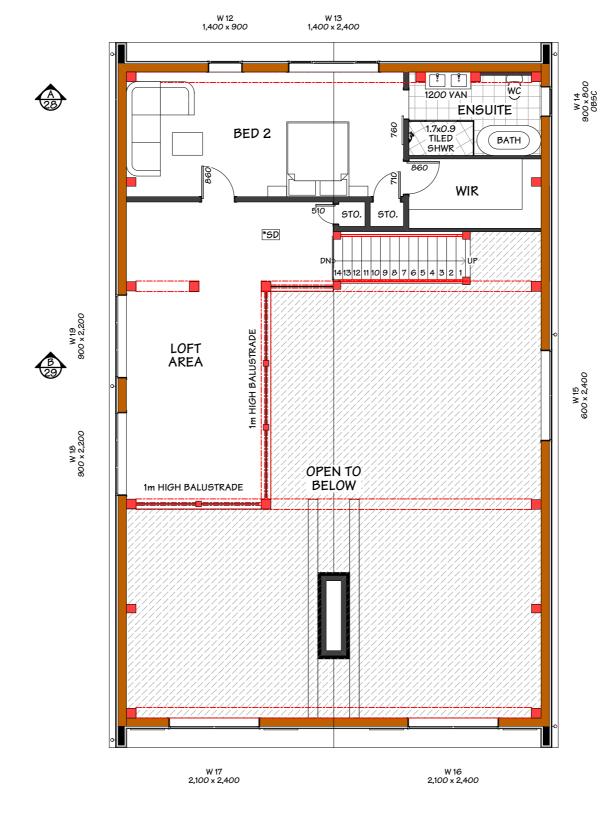
FIRST FLOOR AREA:

TOTAL AREA:

39.78m<sup>2</sup> 22.35m<sup>2</sup> 74.14m<sup>2</sup> 10.06m² 305.85m<sup>2</sup> 452.18m<sup>2</sup> 83.16m²

382.67m<sup>2</sup>





Heritage

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

FIRST FLOOR PLAN

LEGAL DESCRIPTION:

LOT: 1-2 DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

- Subject to council approval
- All measurements to be confirmed on site by the

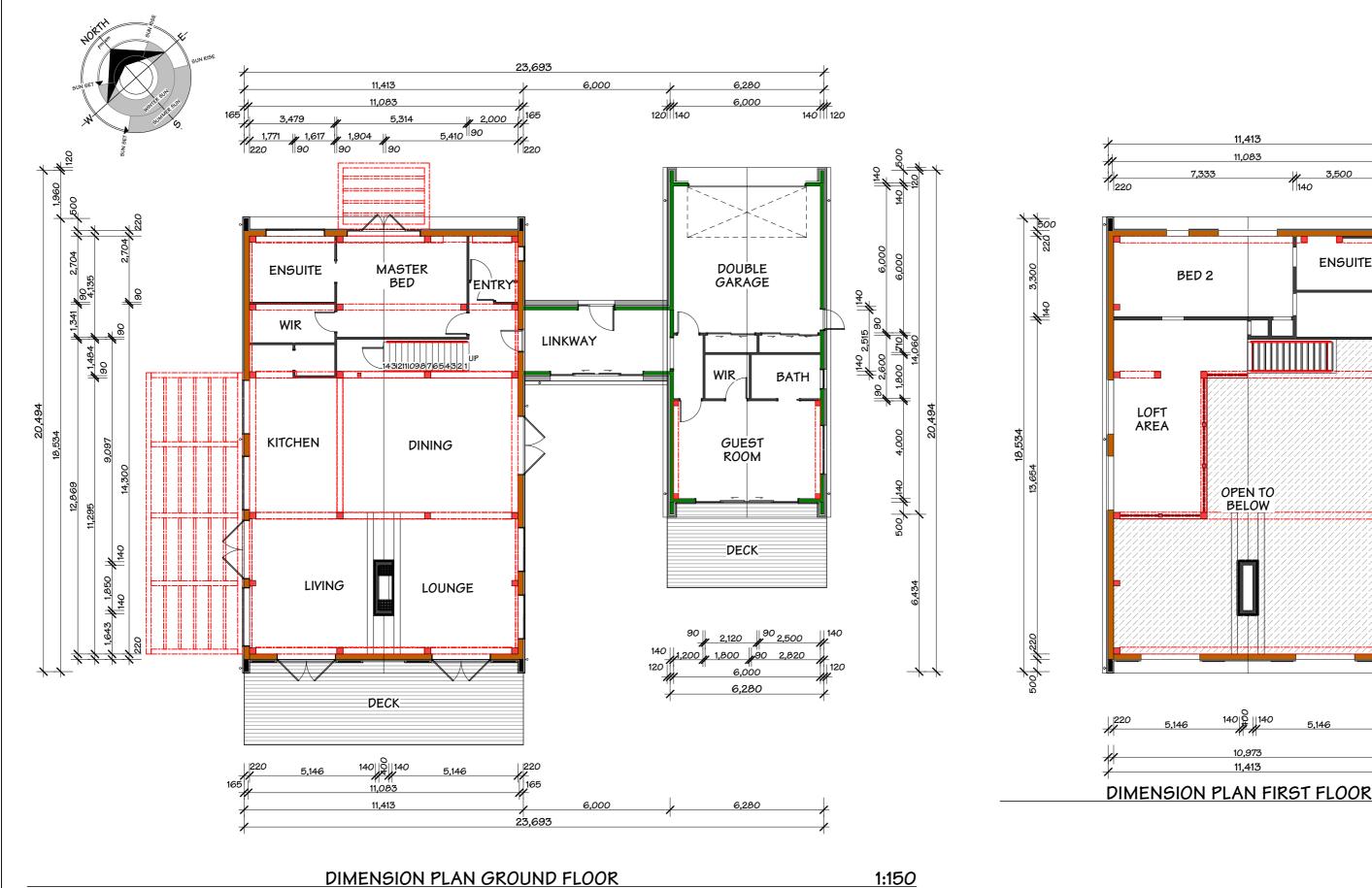
contractor prior to the commencement of work - All construction to comply with the NZBC/NZS:3604, alongside with all standards alike.

DATE OF ISSUE: DESIGNER: SCALE: HTC 10 DEC 24 AMENDMENT DATE: DRAWN: 241210.1820 JON JOB#: CHECKED: VERSION: REV NO:

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DRAWING TITLE:

LOT: 1-2

DP: 316193 ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

LEGAL DESCRIPTION:

# NOTES:

- Subject to council approval
   All measurements to be confirmed on site by the
- contractor prior to the commencement of work.

   All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike.

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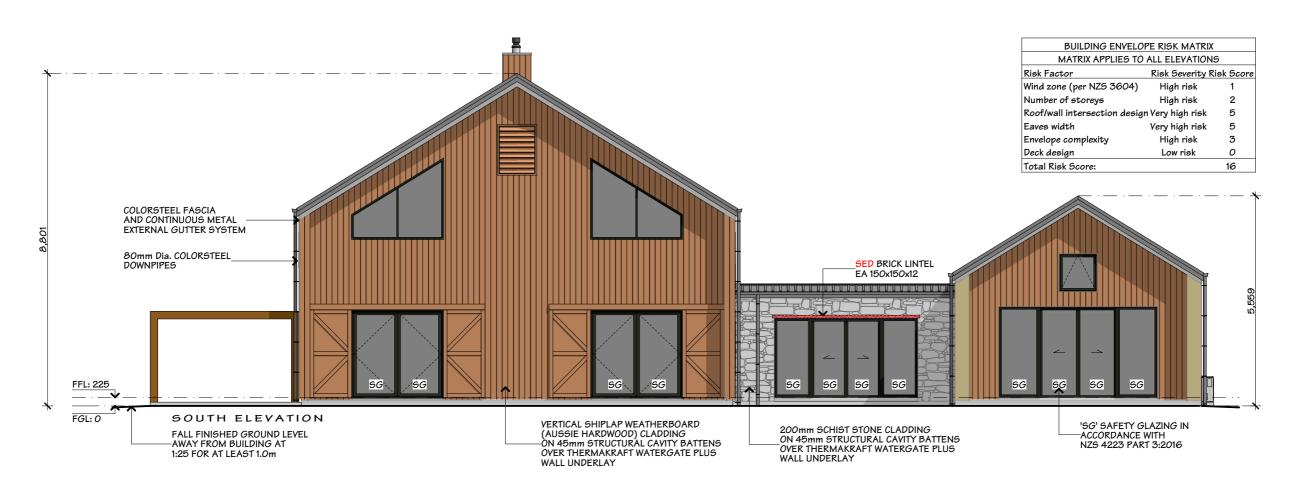
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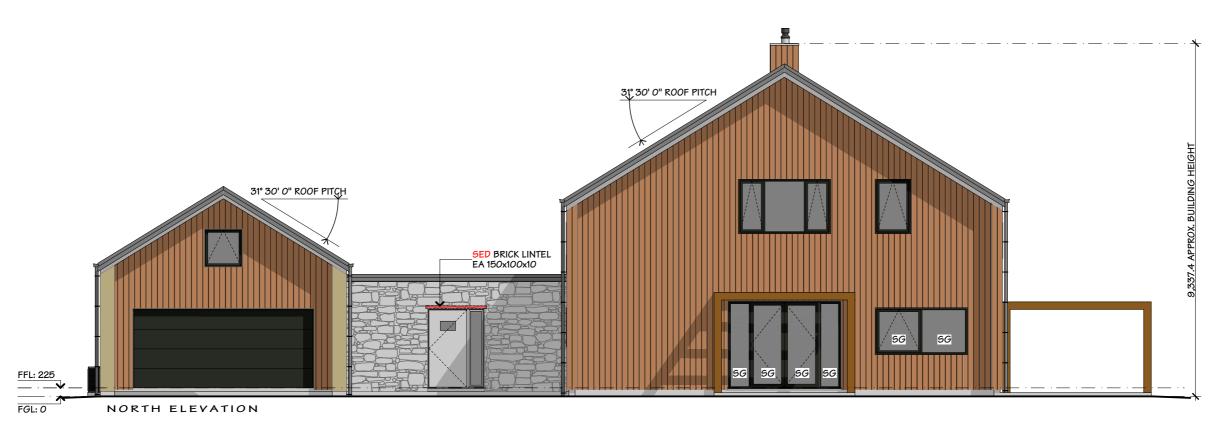
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NATASHA WILLIAMS

DIMENSION PLAN







JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

**ELEVATIONS** 

LEGAL DESCRIPTION:

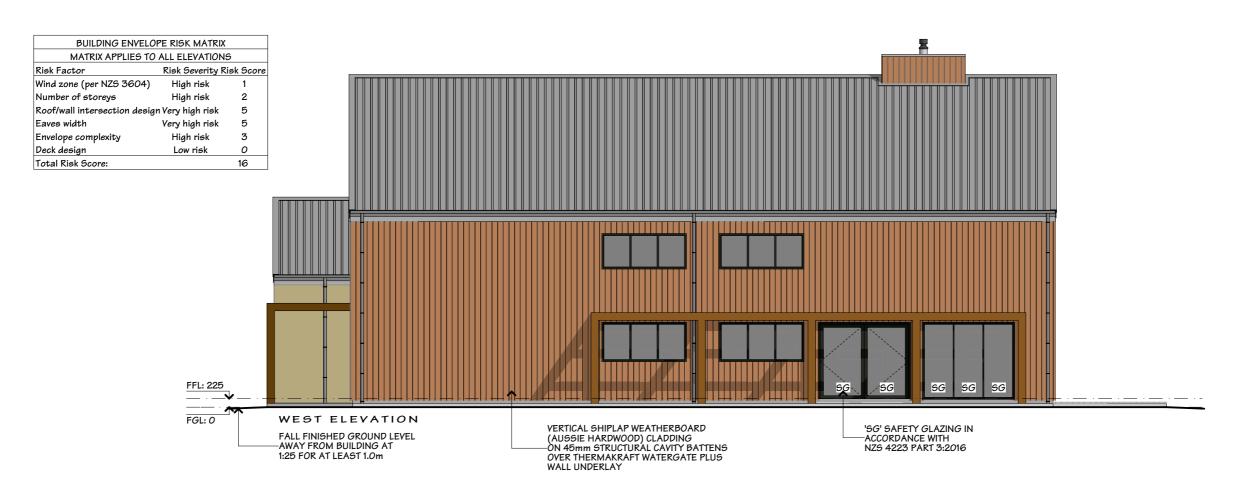
LOT: 1-2

DP: 316193 ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA NOTES:

- Subject to council approval
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DESIGNER: SHEET: DATE OF ISSUE: SCALE: 10 DEC 24 HTC 1:100 AMENDMENT DATE: DRAWN: 241210.1820 JON J0B#: VERSION: REV NO: CHECKED: 23071 WD-01 00 JON







JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

**ELEVATIONS** 

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193 ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA NOTES:

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LUMBERLOK TYPE LINTEL FIXING



STUD TO TOP PLATE INTERNAL LOAD BEARING WALL FIXING TYPE B (TO HATCHED AREA)



ROOF DIAPHRAGM VIA NZSIPS ROOF PANEL



RANGEHOOD DUCTING VENTING OUT THROUGH WALL (MANROSE EXTRACTOR FAN TO BE 150mm DIA 380m³/hr OR 50L/s INLINE FAN)



EXTRACTOR FAN DUCTING VENTING OUT THROUGH WALL (MANROSE EXTRACTOR FAN TO BE 150mm DIA 230m³/hr OR 25L/s INLINE FAN)

NOTE: ALL SED BEAMS, RAFTERS, JOIST, AND FIXINGS AS PER ENGINEER'S DESIGN AND DOCUMENTS

LINTEL FIXINGS > 1.2m: 1 STRAP TO EITHER END OF LINTEL, 1 STRAP TO TRIMMER TO BOTTOM PLATE EITHER END OF LINTEL

### INTEL FIXING < 1.2m: NO SPECIFIC FIXINGS REQUIRED

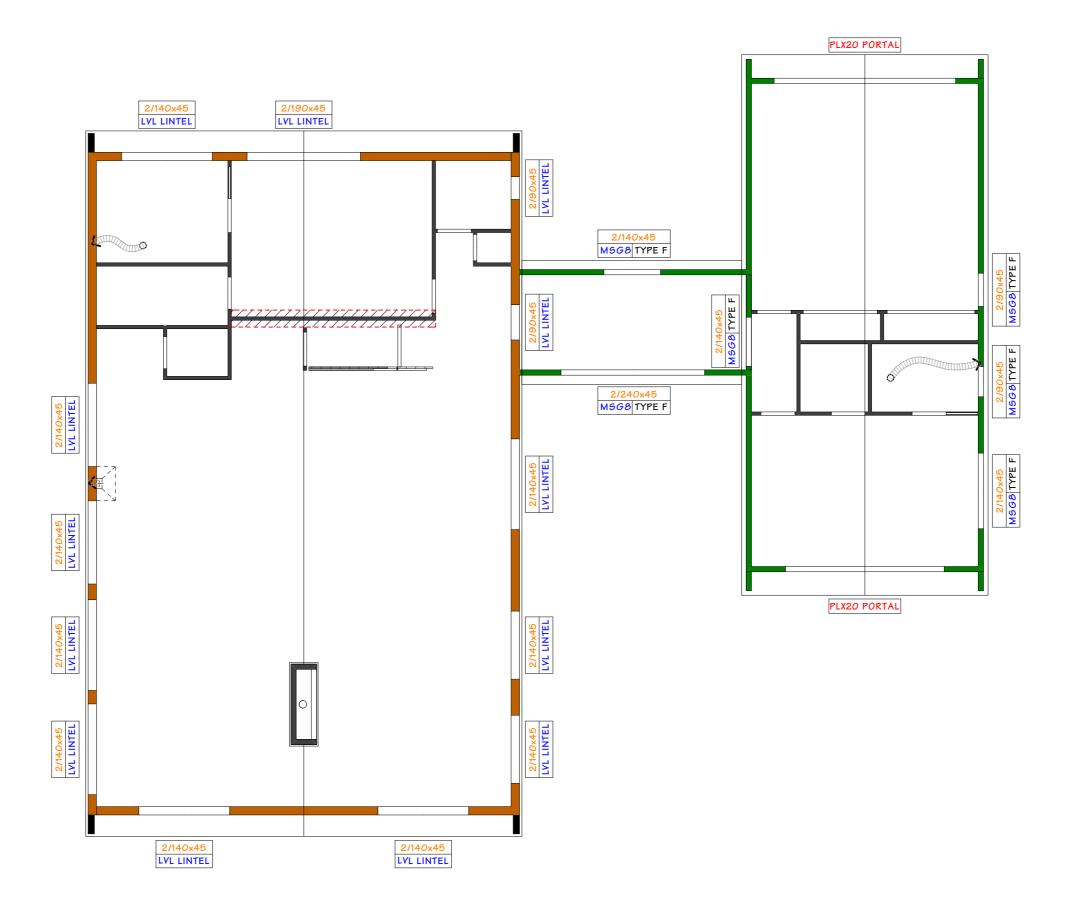
CONFIRM YENT LOCATIONS PRIOR TO FABRICATION OF ROOF FRAMING - VENTS SHOWN INDICATIVE ONLY

ROOF PITCH

NOTE

BEAM/LINTEL SIZES AND WALL FRAMING/STUDS CALCULATED BY ENGINEER.

LINTEL AND STUD FIXINGS ARE TO MITEK LUMBERLOK 03/2024 & ENGINEER'S CALCULATIONS. REFER TO





JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

GROUND FLOOR ROOF/STUD FIXING/LINTEL FIXING PLAN

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

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contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZ5:3604, along-side with all standards alike.

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MSG8 TYPE F

LINTEL SIZE

LUMBERLOK TYPE

LINTEL FIXING

STUD TO TOP PLATE INTERNAL LOAD BEARING WALL FIXING TYPE B (TO HATCHED AREA)



ROOF DIAPHRAGM VIA NZSIPS ROOF PANEL



RANGEHOOD DUCTING VENTING OUT THROUGH WALL (MANROSE EXTRACTOR FAN TO BE 150mm DIA 380m³/hr OR 50L/s INLINE FAN)



EXTRACTOR FAN DUCTING VENTING OUT THROUGH WALL (MANROSE EXTRACTOR FAN TO BE 150mm DIA 230m³/hr OR 25L/s INLINE FAN)

NOTE: ALL SED BEAMS, RAFTERS, JOIST, AND FIXINGS AS PER ENGINEER'S DESIGN AND DOCUMENTS

LINTEL FIXINGS > 1.2m: 1 STRAP TO EITHER END OF LINTEL, 1 STRAP TO TRIMMER TO BOTTOM PLATE EITHER END OF LINTEL

### INTEL FIXING < 1.2m: NO SPECIFIC FIXINGS REQUIRED

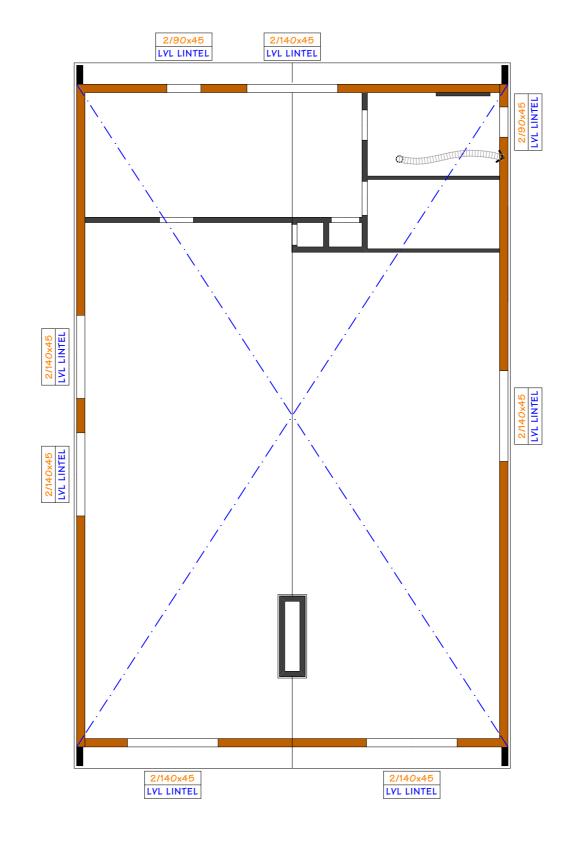
CONFIRM YENT LOCATIONS PRIOR TO FABRICATION OF ROOF FRAMING - VENTS SHOWN INDICATIVE ONLY

ROOF PITCH

NOTE

BEAM/LINTEL SIZES AND WALL FRAMING/STUDS CALCULATED BY ENGINEER.

LINTEL AND STUD FIXINGS ARE TO MITEK LUMBERLOK 03/2024 & ENGINEER'S CALCULATIONS. REFER TO DETAILS





JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

FIRST FLOOR ROOF/STUD FIXING/LINTEL FIXING PLAN LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

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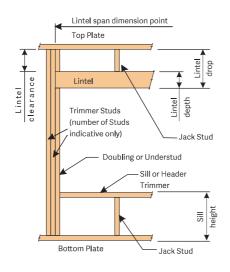




# **STUD-LOK LINTEL FIXING OPTIONS FOR ON-SITE**

# **ALTERNATIVE TO TABLE 8.14 & FIGURE 8.12** NZS 3604:2011

- → All fixings are designed for vertical loads only. Dead loads include the roof weight and standard ceiling weight of 0.20kPa.
- → These fixings assume the correct choice of rafter/truss to top place connections have been made.
- → All fixings assume bottom plate thickness of 45mm maximum
- → Wall framing arrangements under girder trusses are not covered in this schedule
- → All timber selections are as per NZS 3604:2011.



# LINTEL SUPPORTING GIRDER TRUSSES

	Lig	ht Roof		Heavy Roof			
	Wi	nd Zone		Wind Zone			
Roof Tributary Area	Low, Medium, High	Medium, Very Extra Medium,		Very High	Extra High		
8.6m <sup>2</sup>	G	G	Н	G	G	Н	
11.6m <sup>2</sup>	G	Н	Н	G	G	Н	
12.1m <sup>2</sup>	G	Н	Н	G	Н	Н	
15.3m <sup>2</sup>	Н	Н	-	G	Н	Н	
19.1m <sup>2</sup>	Н	-	-	G	Н	-	
20.9m <sup>2</sup>	Н	-	-	Н	Н	-	
21.8m <sup>2</sup>	Н	-	-	Н	-	-	
34.3m²	-	-	-	Н	-	-	

- 1. Roof Tributary Area = approx. 1/2 x (total roof area on girder and rafter trusses supported by
- 2. Assumed girder truss is at mid-span or middle third span of lintel
- 3. Use similar fixings for both ends of lintel
- 4. All other cases require specific engineering design

# **SELECTION CHART FOR LINTEL FIXING**

	Landed			Light Roof	f				Heavy Roo	of	
Lintel Span (m)	Loaded Dimension			Wind Zone	;			Wind Zone			
` ,	(m)	Low	Medium	High	Very High	Extra High	Low	Medium	High	Very High	Extra High
	2.0	Е	Е	Е	F	F	Е	Е	Е	Е	F
	3.0	E	E	F	F	F	E	E	E	F	F
1.0	4.0	E	F	F	F	G	E	E	F	F	F
	5.0	E	F	F	G	G	E	E	F	F	G
	6.0	Е	F	F	G	G	Е	Е	F	F	G
	2.0	Е	Е	F	F	F	Е	Е	Е	F	F
	3.0	E	Е	F	F	F	E	E	F	F	F
1.2	4.0	E E	F F	F F	G	G	E E	E	F F	F	G
	5.0 6.0	F	F	G	G G	G H	E	E E	F	G	G G
	2.0	E	E	F	F	F	E	E	E	F	F
	3.0	E	F	F	F	G	E	E	F	F	F
1.5	4.0	E	F	F	G	G	E	E	F	F	G
1.5	5.0	F	F	G	G	H	E	E	F	G	G
	6.0	F	F	G	Н	Н	E	E	F	G	Н
	2.0	Е	F	F	F	G	Е	Е	F	F	F
	3.0	E	F	F	G	G	E	E	F	F	G
2.0	4.0	F	F	G	G	Н	Е	Е	F	G	G
	5.0	F	F	G	Н	Н	E	E	F	G	Н
	6.0	F	G	G	Н	Н	E	F	G	Н	Н
	2.0	Е	F	F	G	G	E	Е	F	F	G
	3.0	F	F	G	G	Н	E	E	F	G	G
2.4	4.0	F	F	G	Н	Н	E	E	F	G	Н
	5.0	F	G	G	Н	Н	E	F	G	Н	Н
	6.0	F	G	Н	Н	-	Е	F	G	Н	Н
	2.0	Е	F	F	G	G	Е	Е	F	F	G
	3.0	F	F	G	Н	Н	E	Е	F	G	Н
3.0	4.0	F	G	G	H	Н	E	F	G	H	Н
	5.0	F	G	H	Н	-	E	F F	G	H	Н
	6.0	F F	G F	Н	-	-	E		G F	Н	-
	2.0 3.0	F	F	G G	G H	H H	E E	E F	G	G G	G H
3.6	4.0	F	G	H	Н	-	E	F	G	H	Н
0.0	5.0	F	G	Н	-	-	E	F	G	Н	-
	6.0	G	Н	Н	-	-	E	F	H	-	-
	2.0	F	F	G	G	Н	E	E	F	G	G
	3.0	F	G	Н	Н	-	E	F	G	Н	Н
4.2	4.0	F	G	Н	-	-	Е	F	G	Н	-
	5.0	G	Н	Н	-	-	E	F	Н	-	-
	6.0	G	Н	-	-	-	Е	F	Н	-	-
	2.0	F	F	G	Н	Н	Е	Е	F	G	Н
	3.0	F	G	Н	Н	-	Е	F	G	Н	Н
4.5	3.4	F	G	Н	Н	-	Е	F	G	Н	Н
	4.0	F	G	Н	-	-	E	F	G	Н	-
	5.0	G	H	-	-	-	E	F	H	-	-
	6.0	G	Н	-	-	-	E	F	Н	-	-
	2.0	F	F	G	H	Н	E	E	F	G	Н
	3.0	F F	G G	H H	H H	-	E E	F F	G G	H	H
4.8		F	G			-	E	F	H H		
	4.0 5.0	G	H	Н	-	-	E	F	Н	H -	-
	6.0	G	Н	-	-	-	E	F	Н	-	-
	2.0	F	F	G	Н	Н	E	F	G	G	Н
	3.0	F	G	Н	H	-	E	F	G	Н	Н
	3.5	F	G	Н	-	-	E	F	G	Н	-
5.1	4.0	G	G	Н	-	-	E	F	Н	H	-
	5.0	G	Н	-	-	-	E	F	H	-	-
	6.0	G	Н	-	-	-	E	G	H		-
	2.0	F	F	G	Н	Н	E	F	G	G	Н
	2.8	F	G	Н	Н	-	E	F	G	Н	Н
	3.0	F	G	Н	-	-	Е	F	G	Н	-
5.4	4.0	G	Н	Н	-	-	Е	F	Н	-	-
	5.0	G	Н	-	-	-	E	F	Н	-	-
	6.0	G	Н	-	-	-	E	G	Н	-	-

Structural Fixings On-Site Guide 83

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JOB TITLE:

DRAWING TITLE:

STUD TO TOP PLATE/LINTEL FIXING **DETAILS** 

LEGAL DESCRIPTION:

LOT: 1-2 DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

- Subject to council approval

<ul> <li>All measurements to be confirmed on site by the</li> </ul>
contractor prior to the commencement of work.
- All construction to comply with the NZBC/NZS:3604
alongside with all standards alike.

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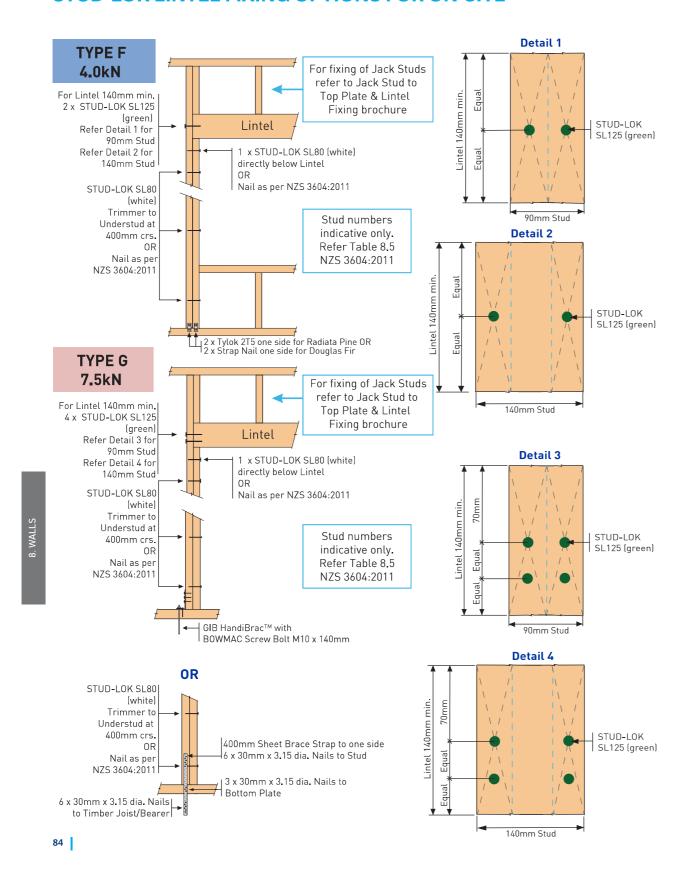
NATASHA WILLIAMS

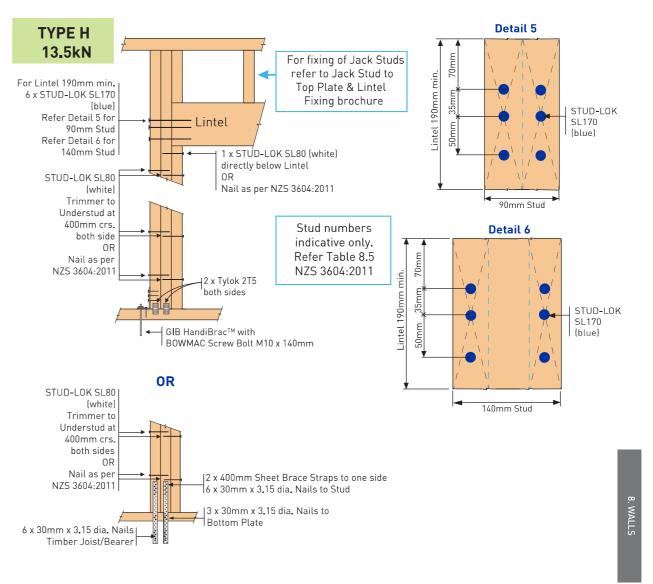
# STUD-LOK LINTEL FIXING OPTIONS FOR ON-SITE



# STUD-LOK LINTEL FIXING OPTIONS FOR ON-SITE







NOTE: STUD-LOK TYPE F 4.0kN fixing can be used for TYPE E 1.4kN fixing

Structural Fixings On-Site Guide 85

Heritage TIMBERCRAFT

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

STUD TO TOP PLATE/LINTEL FIXING DETAILS

LEGAL DESCRIPTION:

LOT: 1-2 DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

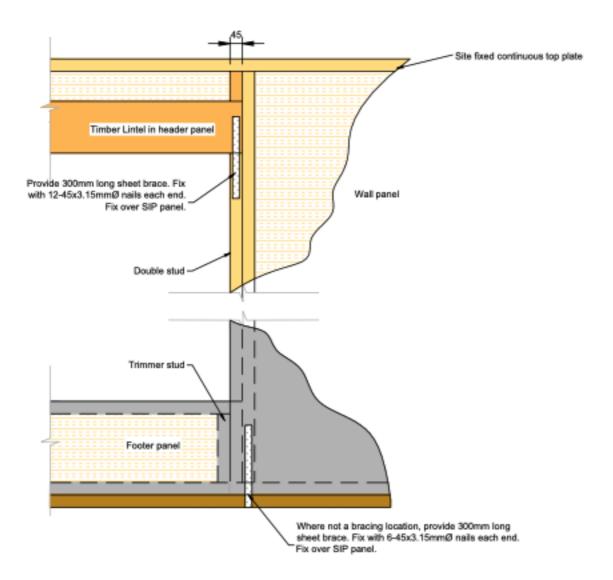
- Subject to council approval
- All measurements to be confirmed on site by the

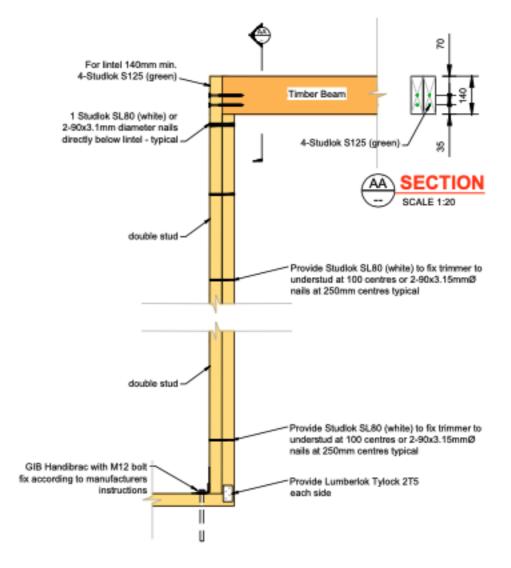
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VERSION: REV NO:		CHECKED:	23071
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JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

STUD TO TOP PLATE/LINTEL FIXING DETAILS

LEGAL DESCRIPTION:

LOT: 1-2 DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

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WALL BRACE LEGEND

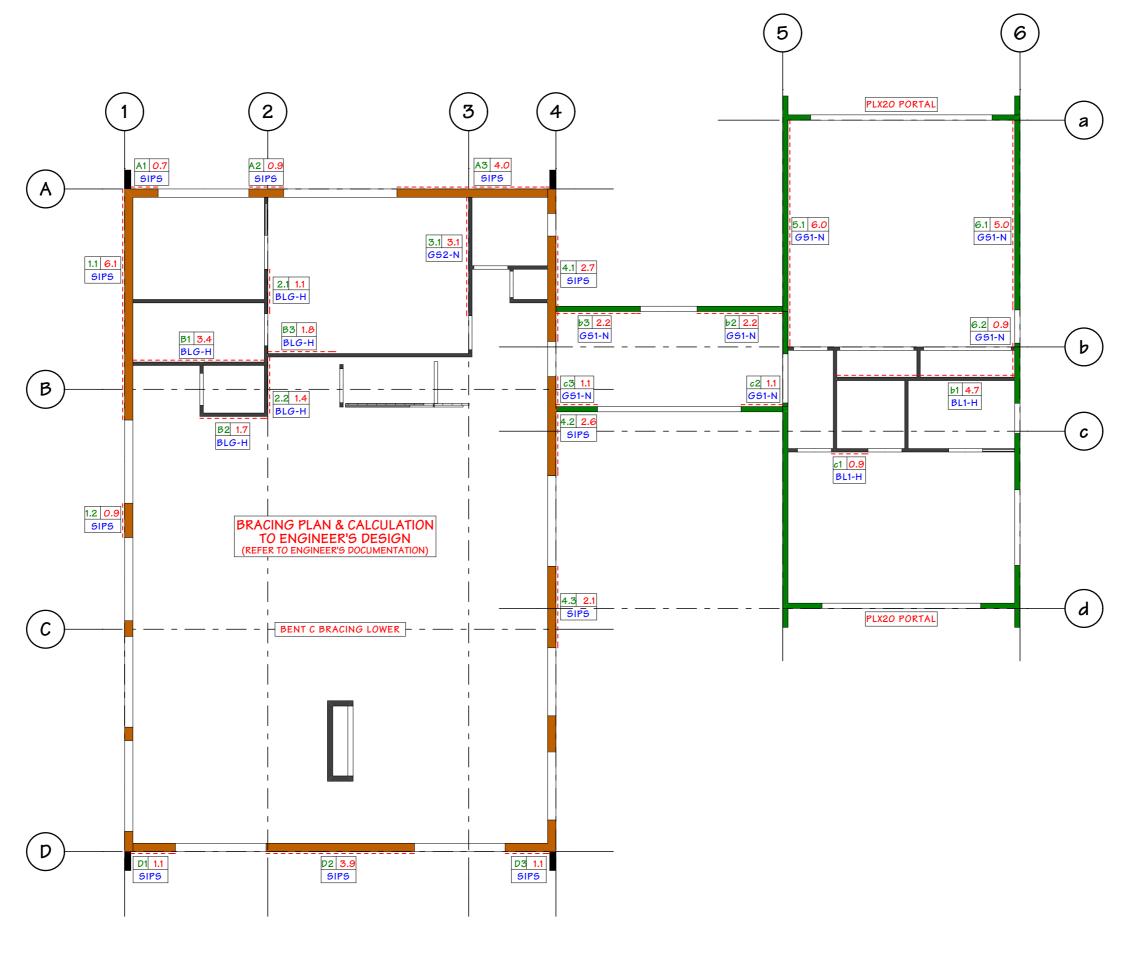
A2 0.6 G51-N

A2 G51-N 0.6

LINE LABEL BRACE TYPE BRACE LENGTH

WALL BRACING TO BE READ IN CONJUNCTION WITH WALL BRACING CALCULATIONS

BRACING DONE IN ACCORDANCE WITH GIB EZYBRACE SYSTEM TABLE 1: 10mm GIB PLASTERBOARD RATINGS





JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

GROUND FLOOR BRACING PLAN

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193 ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

- Subject to council approval
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contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike.

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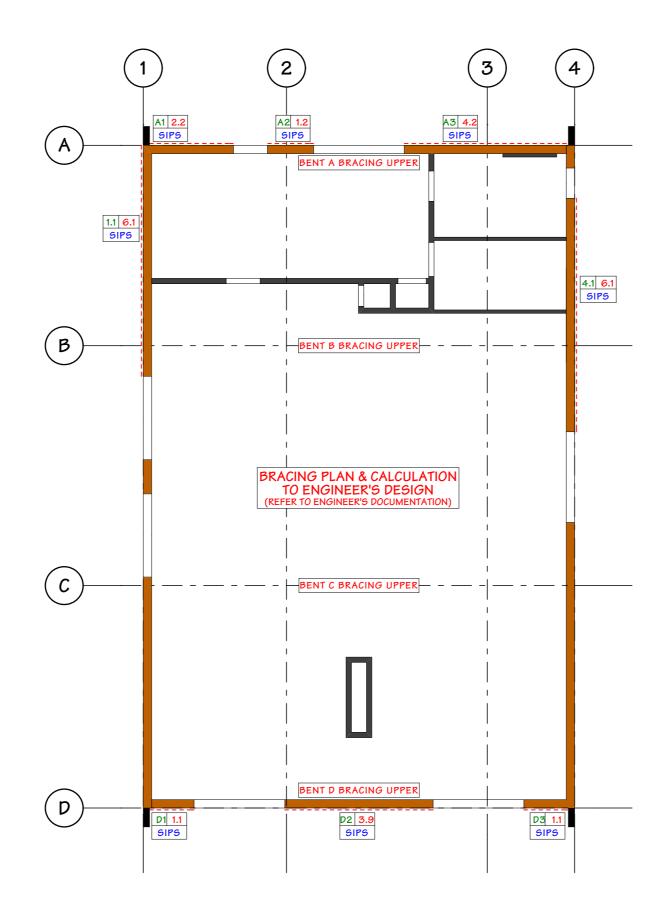
WALL BRACE LEGEND

A2 0.6 G51-N

A2 G51-N 0.6 LINE LABEL BRACE TYPE BRACE LENGTH

WALL BRACING TO BE READ IN CONJUNCTION WITH WALL BRACING CALCULATIONS

BRACING DONE IN ACCORDANCE WITH GIB EZYBRACE SYSTEM TABLE 1: 10mm GIB PLASTERBOARD RATINGS





JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

FIRST FLOOR BRACING PLAN

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193 ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

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- All measurements to be commencement of work.
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VERSION:	REV NO:	CHECKED:	230

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# **GIB EzyBrace® Bracing Software**



# **Demand Calculation Sheet**

### Job Details

Name: Williams House Street and Number: 353 Dustan rd Lot and DP Number: Lot 2 DP316193 City/Town/District: Alexandra Designer: AVH Company: Potius BSL

Date: Wednesday, 6 November 2024

# **Building Specification**

Number of Storeys 2 2 kPa Floor Loading Foundation Type Slab Upper Cladding Weight Light Roof Weight Light Room in Roof Space No

Light Light No Roof Pitch (degrees) 31 31 Roof Height above Eaves (m) 3.6 3.6 Building Height to Apex (m) 8.8 Ground to Lower Floor (m) 0.3 Lower to Upper Floor (m) 2.7 Average Stud Height (m) 2.4 2.0 Building Length (m) 18.5 18.5 11 Building Width (m) 11 Building Plan Area (m²) 81 197

# **Building Location**

Wind Zone = High Earthquake Zone 2

> Soil Type D & E (Deep to Very Soft) Annual Prob. of Exceedance:1 in 500 ( Default)

Lower

# **Bracing Units required for Wind**

	Along	Across
Upper Level	790	1623
Lower Level	1457	2701

# **Bracing Units required for Earthquake**

	Along & Across
Upper Level	519
Lower Level	1319
	275 2 27 1

GIB EzvBrace® Version 12/18



JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

**BRACING CALCULATIONS 1** 

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193 ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA NOTES:

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contractor prior to the commencement of work.

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DATE OF ISSUE: DESIGNER: SCALE: HTC 10 DEC 24 1:100 AMENDMENT DATE: DRAWN: 241210.1820 JON JOB#: VERSION: REV NO: CHECKED: 23071

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SHEET:



# **GIB EzyBrace® Bracing Software**



# Lower Level Across Resistance Sheet

JOD N	ame: Willia	ms nouse	•						Wind	EQ
									Der	nand
									2701	1319
									Achi	ieved
Line	Element	Length	Angle	Stud Ht.	Туре	Supplier	Wind	EQ	2932	2813
		(m)	(degrees)	(m)			(BUs)	(BUs)	109%	213%
	1	0.70	0	2.4	SIPS 0.6	NZSIPS	72	73		•
А	2	0.90	0	2.4	SIPS 0.6	NZSIPS	93	94		
	3	4.00	0	2.4	SIPS 1.2	NZSIPS	456	408		
				Extern	al Length =	11			621 OK	574 OK
В	1	3.40	0	2.4	BLG-H	GIB®	510	496		
	2	1.70	0	2.4	BLG-H	GIB®	255	248		
Ь	3	1.80	0	2.4	BLG-H	GIB®	270	263		
									1035 OK	1007 OK
С	1	11.00	0	2.4	Bent C Lower	Bent C	605	605		
Ü									605 OK	605 OK
	1	1.10	0	2.4	SIPS 0.6	NZSIPS	113	114		
D	2	3.90	0	2.4	SIPS 1.2	NZSIPS	445	398		
D	3	1.10	0	2.4	SIPS 0.6	NZSIPS	113	114		
		·		Extern:	al Length =	11			671 OK	627 OK

**GIB EzyBrace® Bracing Software** 



# Lower Level Along Resistance Sheet

Job N	ame: Willia	ms House	•						Wind	EQ
									Der	mand
									1457	1319
									Ach	ieved
Line	Element	Length	Angle	Stud Ht.	Туре	Supplier	Wind	EQ	2311	2098
		(m)	(degrees)	(m)			(BUs)	(BUs)	159%	159%
	1	6.10	0	2.4	SIPS 1.2	NZSIPS	695	622		
1	2	0.90	0	2.4	SIPS 0.6	NZSIPS	93	94		
				Externa	al Lenath =	18.4			788 OK	716 OK
	1	1.10	0	2.4	BLG-H	GIB®	165	156		
2	2	1.40	0	2.4	BLG-H	GIB®	210	204		
									375 OK	361 OK
3	1	3.10	0	2.4	GS2-N	GIB®	304	267		
3									304 OK	267 OK
	1	2.70	0	2.4	SIPS 1.2	NZSIPS	308	275		
4	2	2.60	0	2.4	SIPS 1.2	NZSIPS	296	265		
4	3	2.10	0	2.4	SIPS 1.2	NZSIPS	239	214		
				Externa	al Length =	18.4			844 OK	755 OK

GIB EzyBrace® Version 12/18a



JOB TITLE:

DRAWING TITLE:

BRACING CALCULATIONS 2

LEGAL DESCRIPTION:

LOT: 1-2 DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

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contractor prior to the commencement of work.

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alongside with all standards alike.

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# **GIB EzyBrace® Bracing Software**



# **Upper Level Across Resistance Sheet**

Job Name: Williams House

Timber Floor Limit of 120 BUs/m Applied

Wind	EQ				
Demand					
1623	519				
Achieved					

									Achi	eved
Line	Element	Length	Angle	Stud Ht.	Type	Supplier	Wind	EQ	1994	1897
		(m)	(degrees)	(m)			(BUs)	(BUs)	123%	366%
	1	2.20	0	3	SIPS 1.2	NZSIPS	201	180		
	2	1.20	0	4	SIPS 1.2	NZSIPS	82	73		
Α	3	4.20	0	3	SIPS 1.2	NZSIPS	383	343		
	4	11.00	0	4	Bent C Upper	Bent C	220	220		
				Externa	I Lenath =	11			886 OK	816 OK
В	1	11.00	0	4	Bent C Upper	Bent C	220	220		
ь									220 OK	220 OK
С	1	11.00	0	4	Bent C Upper	Bent C	220	220		
C				-			-		220 OK	220 OK
	1	1.10	0	3	SIPS 0.6	NZSIPS	91	92		
	2	3.90	0	4	SIPS 1.2	NZSIPS	267	239		
D	3	1.10	0	3	SIPS 0.6	NZSIPS	91	92		
	4	11.00	0	4	Bent C Upper	Bent C	220	220		
				Externa	l Length =	11			668 OK	642 OK

GIB EzyBrace® Version 12/18

# **GIB EzyBrace® Bracing Software**



# Upper Level Along Resistance Sheet

Job Name: Williams House

Timber Floor Limit of 120 BUs/m Applied

Wind	EQ
Dem	nand
790	519
Achi	eved

									Achieved			
Line	Element	Length	Angle	Stud Ht.	Туре	Supplier	Wind	EQ	1391	1244		
		(m)	(degrees)	(m)			(BUs)	(BUs)	176%	240%		
1	1	6.10	0	2	SIPS 1.2	NZSIPS	695	622				
	External Length = 18.4								695 OK	622 OK		
2	1	0.00										
									Check	Check		
3	1	0.00										
									Check	Check		
4	1	6.10	0	2	SIPS 1.2	NZSIPS	695	622				
	External Length = 18.4								695 OK	622 OK		

GIB EzyBrace® Version 12/18a

Heritage TIMBERCRAFT

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

BRACING CALCULATIONS 3

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193 ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

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DATE OF ISSUE:
10 DEC 24

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SHEET:

# **GIB EzyBrace® Bracing Software**



### **Demand Calculation Sheet**

#### **Job Details**

City/Town/District:

Name: Peter Williams - Garage Guestroom

Alexandra

Street and Number: 353 Dustan rd
Lot and DP Number: Lot 2 DP316193

Designer: AVH
Company: Potius BSL

Date: Wednesday, 6 November 2024

### **Building Specification**

Number of Storeys 1
Floor Loading 2 kPa
Foundation Type Slab

Single

Cladding Weight Heavy Roof Weight Light Room in Roof Space No Roof Pitch (degrees) 31 Roof Height above Eaves (m) 2.2 Building Height to Apex (m) 5.3 Ground to Lower Floor (m) Average Stud Height (m) 3.0 Building Length (m) 14 6.3 Building Width (m)

#### **Building Location**

Building Plan Area (m²)

Wind Zone = High Earthquake Zone 2

Soil Type D & E (Deep to Very Soft)
Annual Prob. of Exceedance: 1 in 500 ( Default)

**Bracing Units required for Wind** 

Along Across
Single Level 419 803

### Bracing Units required for Earthquake

Along & Across

Single Level 597

GIB EzyBrace® Version 12

# **GIB EzyBrace® Bracing Software**



### Single Level Across Resistance Sheet

Job Name: Peter Williams - Garage Guestroom EQ Wind 803 597 (degrees 4.60 168 168 OK 135 OK GIB® GIB® 152 2.20 2.4 GS1-N 132 152 698 OK BL1-H **GIB®** 2.4 GS1-N GIB® GS1-N GIB® 213 OK 238 OK 4.60 121 OK 151 OK

GIB EzvBrace® Version 12/18a

# **GIB EzyBrace® Bracing Software**



EQ

Wind

357 OK

### Single Level Along Resistance Sheet

Job Name: Peter Williams - Garage Guestroom

GIB EzyBrace® Version 12/18a

314 OK

Heritage TIMBERCRAFT

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

**BRACING CALCULATIONS 4** 

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193 ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

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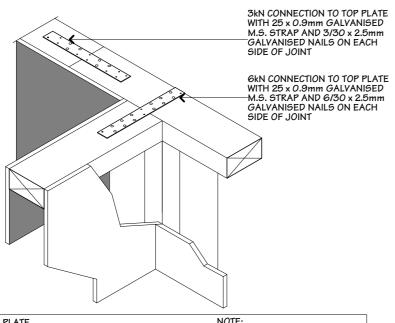
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VERSION:	REV NO:	CHECKED:	23071
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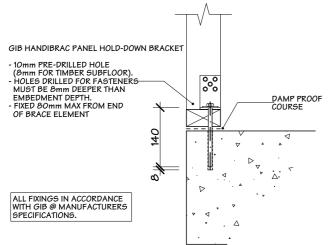
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TOP PLATE CONNECTIONS

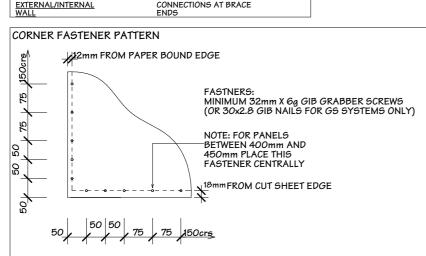
NOTE: WHERE BRACES DO NOT EXCEED 100 BU's A 3kN CONNECTION AS SHOWN IS REQUIRED, WHERE BRACES EXCEED 100 BU's A 6kN CONNECTION IS REQUIRED.



# 15kN BRACING HOLDDOWN DETAIL GIB HANDIBRAC

PANEL HOLD DOWNS FOR GIB BRACELINE PANELS CONCRETE FLOOR

NOTE: GIB G91-N AND G92-N DO NOT REQUIRE SPECIFIC CONNECTIONS AT BRACE

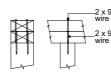


### **FASTENER LAYOUT** G51-N/BL1-H (10 & 13mm) - SINGLE SIDE G52-N/BLG-H (10 & 13mm) - 2 SIDED, BOTH SIDES FIXED AS SHOWN REAR SHEE1 2 2 REAR SHEET SHEET 1 FRONT SHEET 1 FRONT SHEET 1 FRONT SHEET 3 32mm x 6g GIB GRABBER HIGH THREAD SCREWS OR 30mm GIB NAILS AT 150crs TO PERIMETER OF BRACING ELEMENT -AND AT 300crs ALONG VERTICAL JOINT \_DAUBS OF GIB FIX ADHESIVE AT 300crs TO INTERMEDIATE STUDS

SYSTEM	LINING ONE SIDE (1)		LINING OPPOSITE SIDE (2)		PANEL HOLD DOWN (3)	FASTENER SPACING	
	LINING	FASTENERS	LINING	FASTENERS	NOT REQUIRED	GIB PLASTERBOARD: CORNER FASTENING PATTERN AS	
G51-N	ANY 10mm	30mm GIB NAILS, OR MINIMUM	NOT REQUIRED	NOT REQUIRED		ILLUSTRATED BELOW	
GS2-N GSP-H	OR 13mm GIB PLASTERBOARD	OK MINIMUM 32mm X 6g GIB GRABBER HIGH THREAD SCREWS	32mm X 6g GIB GRABBER HIGH	32mm X 6g GIB GRABBER HIGH THREAD 9CREWS  ANY 10mm  OR 13mm GIB PLASTERBOARD  30mm G OR MINII  32mm X GRABBE	30mm GIB NAILS, OR MINIMUM 32mm X 6g GIB GRABBER HIGH THREAD SCREWS		FASTENERS AT 150mm TO BRACING ELEMENT PERIMETER AND:  - AT 300mm CENTRES TO INTERMEDIATE SHEET JOINTS FOR VERTICAL FIXING, OR
			MINIMUM 7mm ECOPLY PLYWOOD MANUFACTURED TO A9/NZ9 2269	50mm FH GALVANISED OR STAINLESS STEEL NAILS		- AT STUD/SHEET JUNCTION FOR HORIZONTALLY FIXED ELEMENTS, AND - GIBFIX ADHESIVE DAUBS AT 300mm CENTRES TO INTERMEDIATE FRAMING	
BL1-H	10mm OR	32mm x 6g GIB	NOT REQUIRED	NOT REQUIRED	YES	PLYWOOD:	
BLG-H BLP-H	13mm GRABBER HIGH THREAD SCREWS GIB BRACELINE NAILS MAY BE USED FOR 10mm BRACELINE ONLY	THREAD SCREWS  GIB BRACELINE NAILS MAY BE	ANY 10mm OR 13mm GIB PLASTERBOARD	30mm GIB NAILS, OR MINIMUM 32mm X 6g GIB GRABBER HIGH THREAD SCREWS		FASTENERS AT 150mm CENTRES AROUND THE PERIMETER OF EVERY SHEET AND AT 300mm CENTRES TO INTERMEDIATE STUDS. PLACE FASTENERS NO CLOSER THAN 7mm FROM SHEET EDGES.	
		BRACELINE ONLY	MINIMUM 7mm ECOPLY PLYWOOD MANUFACTURED TO AS/NZS 2269	50mm FH GALVANISED OR STAINLESS STEEL NAILS		PLASTERBOARD CORNER FASTENER PATTERN DOES NOT APPLY TO PLYWOOD	

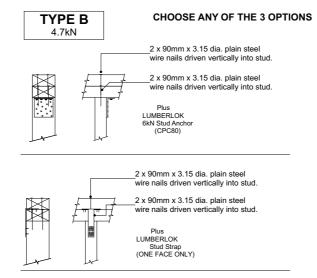
### LUMBERLOK STUD TO TOP PLATE FIXING TYPES

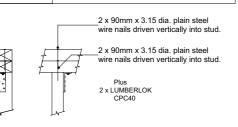


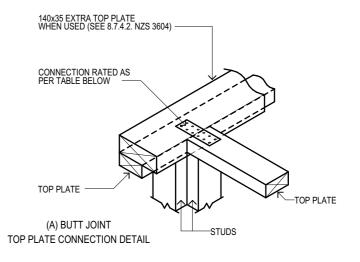


2 x 90mm x 3.15 dia. plain steel wire nails driven vertically into stud. \_2 x 90mm x 3.15 dia. plain steel

(VERTICAL FIX) OR SINGLE FASTENER TO SHEET/STUD JUNCTION (HORIZONTAL FIX)









JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

BRACE FIXING DETAILS

LEGAL DESCRIPTION:

LOT: 1-2 DP: 316193

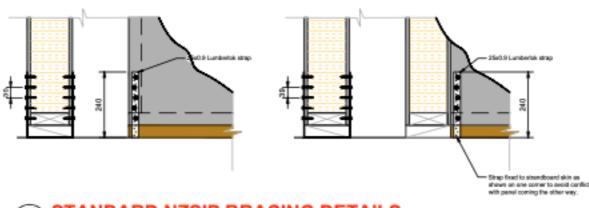
ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

#### NOTES:

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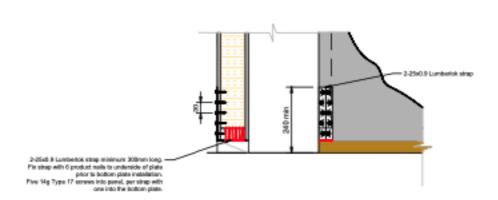
- 1. The information contained within the document is copyright and may not be used for any other purpose than that it was provided for without the written permission of the Healthy Home Cooperation.
- 2. Verify all dimensions on site.
- 3. Do not scale these drawings
- 4. The designs on these plans are based on the project brief and client instructions. They are part of a design package that may include calculations and reports. The package shall be read together.

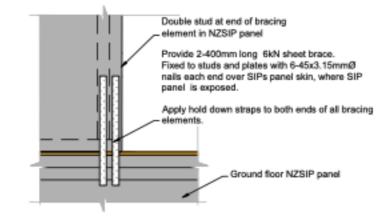
14 STANDARD NZSIP BRACING DETAILS

SCALE 1:20

Also see SIP207

Note: Hold down bolts to be M12 screw bolt 190mm long at 600 centres.





ALTERNATIVE NZSIP BRACING DETAIL

Where SIP panels are exposed. Otherwise, refer to NZSIP Standard Detail SIP207.

16 MIDFLOOR BRACING ELEMENT FIXING SCALE 1:20

Where SIP panels are exposed. Otherwise, refer to NZSIP Standard Detail SIP402.

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

BRACE FIXING DETAILS

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

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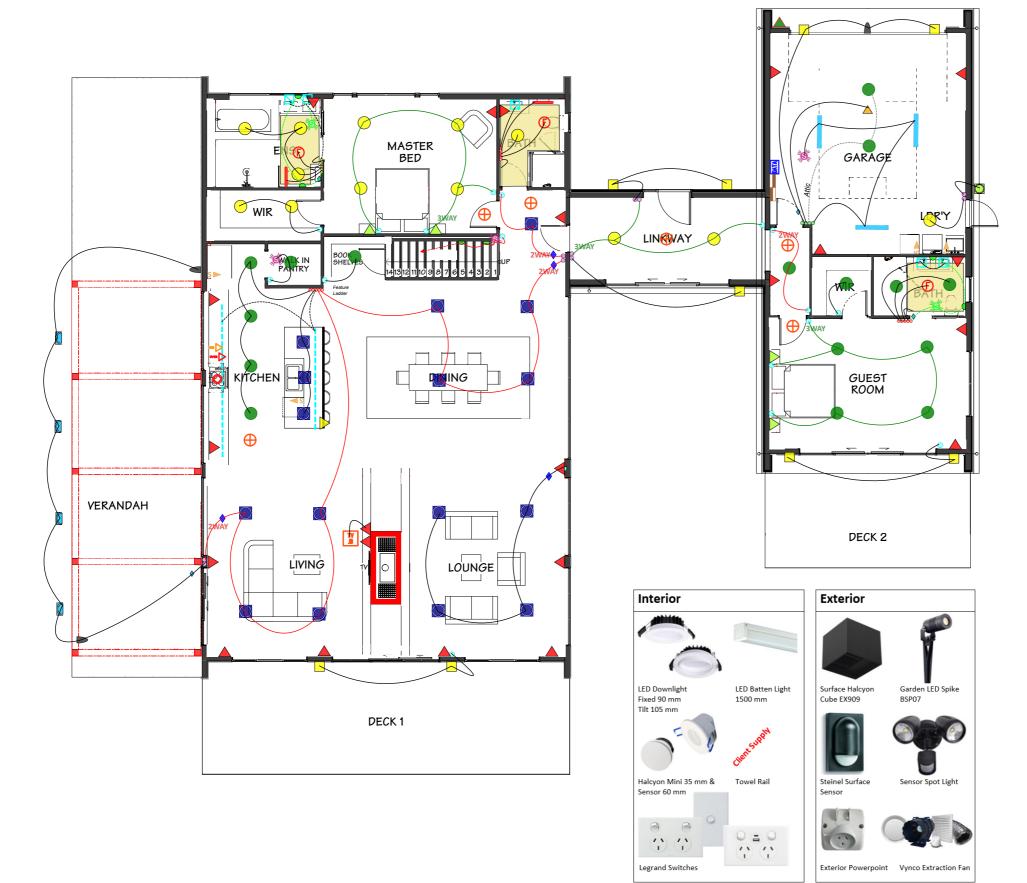


### **Barn Project** 353 Dunstan Road Alex

Electrical Plan: Ver 1 - 20 August 2024

Baı	rn - PW & FO	
1	Metered Switchboard	1 EA
DATA	Kinetic Home Hub	1 EA
TV B	High 'Wall TV	1 EA
	Data Outlet	6 EA
S	Power Appliances	5 EA
	Power - Floor Box 1x DPP Only	1 EA
		1 EA
	Power Double	22 EA
		4 EA
	Power Auto Garage Door	1 EA
$\triangle$	Power Kitchen Island	1 EA
<b></b> ▷	Wall Oven	1 EA
-⊳	Hob - Induction	1 EA
(Ē)	Extraction Fan - Vynco	3 EA
0	Hood Duct Install Only	1 EA
	Heated Towel Rail, Wire & Install Only	
	Mirror LED Light - Client Supply	5 EA
<del></del>	HWC	1 EA
2WAY	Two-Way Switching	4 EA
3WAY	Three⊢Way Switching	3 EA
•	Switch Single	18 EA
00	Switch Double	5 EA
0000	Switch Four Gang	1 EA
00000	Switch Five Gang	3 EA
	Switch Six Gang	1 EA
$\Diamond$	Auto Manual Rotary Switch	4 EA
<ul><li></li></ul>	Dimmer	4 EA
	Ambius d/LED (90 mm) - Fixed	13 EA
	Ambius d/l LED (105 mm) - Tilt	16 EA
$\cup$	Pendant Light - Client Supply Stair/Hall - Halcyon LED Mini 35 mm	16 EA
•	R950	6 EA
<b>)</b>	Stair/Hall - Recessed Sensor (60 mm)	2 EA
	LED Strip Lighting - 5 m HPM	7.83 m
_	LED I-luro	3 EA
	Exterior - Surface Mount LED Cube 2x3W, Halcyon - EX909	9 EA
	Exterior - Surface Mount Sensor Steinel	3 EA
**	Exterior - Sensor Recessed (60 mm), White	3 EA
	Exterior - Double LED Sensor Spot Light	1 EA
	Garden Spike - BSP07	4 EA
$\oplus$	Cavius Smoke Alarm - Wireless	6 EA

Undertile Heating	
<ul><li>Undertile Heating - Master Ensuite</li><li>Undertile Heating - Guest Bath</li></ul>	2.33 m <sup>2</sup>
Undertile Heating - Guest Bath	2.53 m <sup>2</sup>
■ Undertile Heating - Bathroom	3.43 m <sup>2</sup>





JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

GROUND FLOOR ELECTRICAL PLAN DP: 316193

LEGAL DESCRIPTION:

LOT: 1-2

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

- Subject to council approval
- All measurements to be confirmed on site by the

contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike.

DATE OF IS	SUE:	DESIGNER:	SCALE:
10 DE	C 24	HTC	1:100. 1:
AMENDMEN	NT DATE:	DRAWN:	1:1.16
241210	.1820	JON	J0B#:
VERSION:	REV NO:	CHECKED:	23071
WD-01	00	JON	





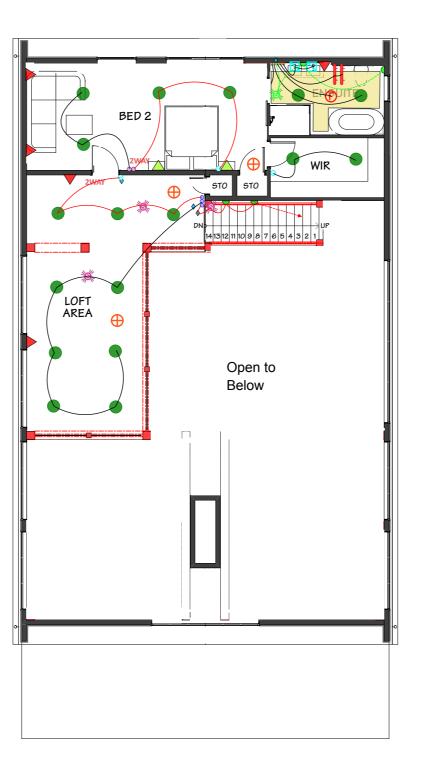
### **Barn Project** 353 Dunstan Road Alex

Electrical Plan: Ver 1 - 20 August 2024

Bai	rn - PW & FO	
	Power Double	5 EA
	Power - Double USB C	2 EA
(F)	Extraction Fan - Vynco	1 EA
-	Heated Towel Rail, Wire & Install Only	2 EA
	Mirror LED Light - Client Supply	2 EA
2WAY	Two-Way Switching	2 EA
•	Switch Single	3 EA
∞	Switch Double	1 EA
<b>∞</b>	Switch Triple	1 EA
000000	Switch Six Gang	1 EA
<b>♦</b>	Auto Manual Rotary Switch	4 EA
•	Ambius d/I LED (105 mm) - Tilt	17 EA
•	Stair/Hall - Halcyon LED Mini 35 mm R950	4 EA
<b>%</b>	Stair/Hall - Recessed Sensor (60 mm)	1 EA
***	Exterior - Sensor Recessed (60 mm), White	3 EA
<b>⊕</b>	Cavius Smoke Alarm - Wireless	3 EA

Un	Undertile Heating			
	Undertile Heating - Ensuite	3.89 m²		





Heritage
TIMBERCRAFT

Interior

LED Downlight

Fixed 90 mm

Halcyon Mini 35 mm &

Sensor 60 mm

Legrand Switches

Tilt 105 mm

JOB TITLE:

LED Batten Light

1500 mm

Towel Rail

NATASHA WILLIAMS

DRAWING TITLE:

FIRST FLOOR ELECTRICAL PLAN

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

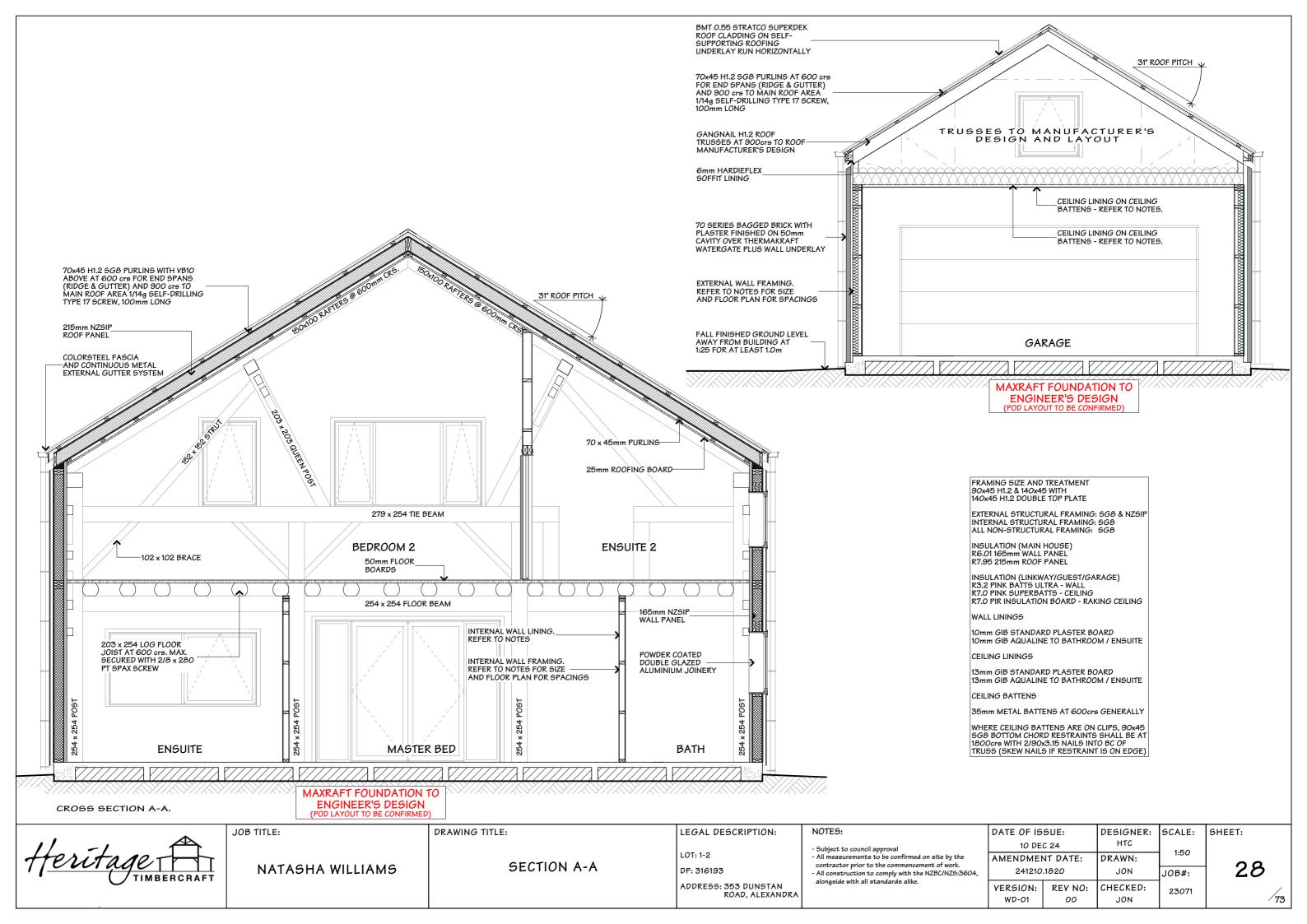
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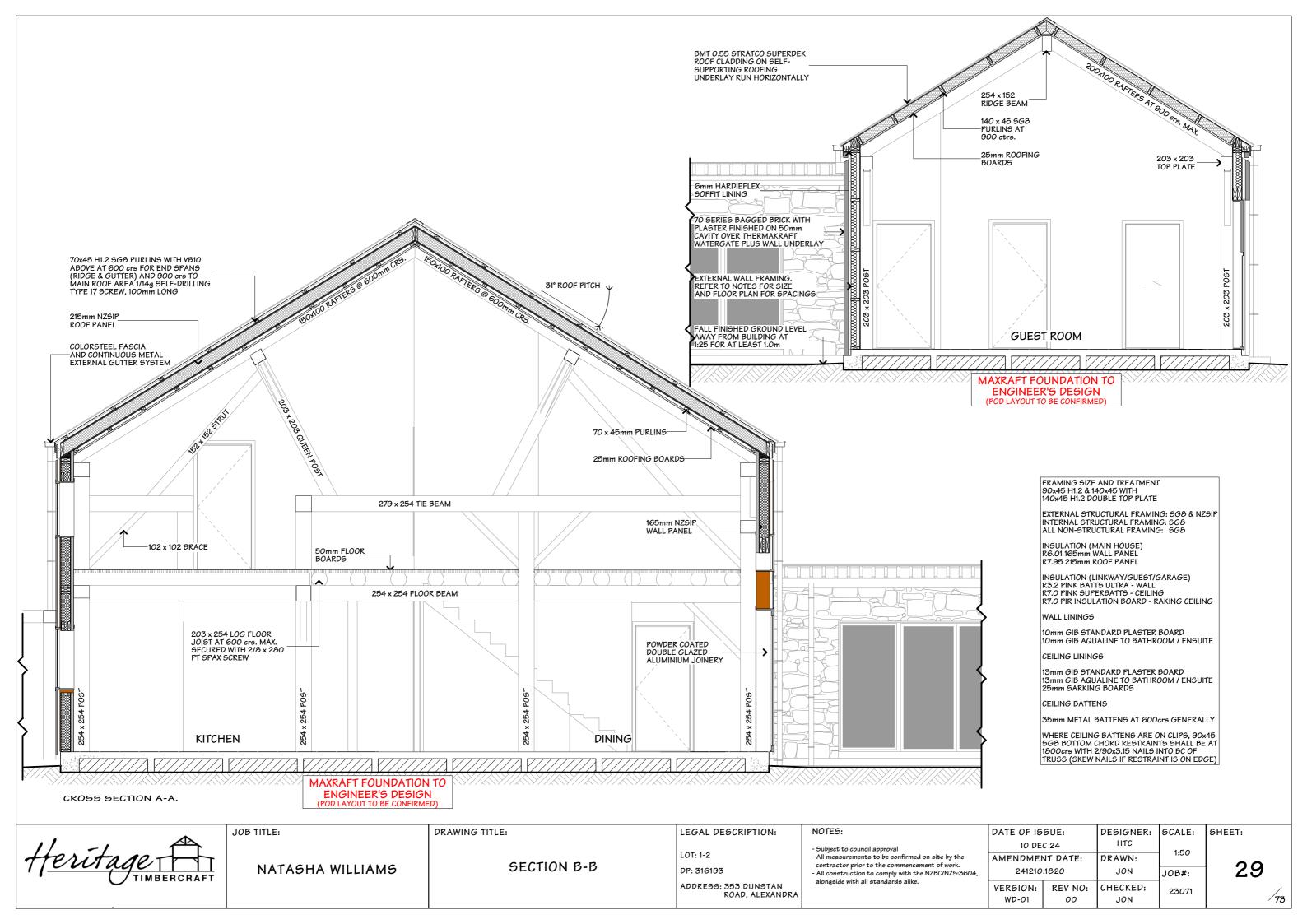
- Subject to council approval

- All measurements to be confirmed on site by the contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZS:3604, alongside with all standards alike.

	DATE OF IS	SUE:	DESIGNER:	SCALE:
10 DEC 24		HTC	1:1, 1:1.16	
	AMENDME	NT DATE:	DRAWN:	1:1, 1:1.10
	241210	.1820	JON	JOB#:
	VERSION:	REV NO:	CHECKED:	23071
	WD-01	00	JON	

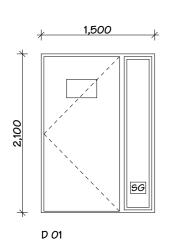


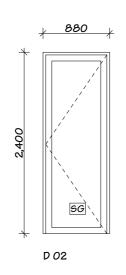


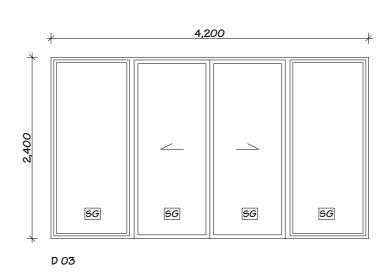
'9G' - INDICATES SAFETY GLAZING IN ACCORDANCE WITH NZS 4223 PART 3:2016

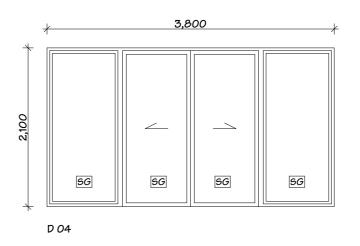
\* - INDICATES OBSCURED

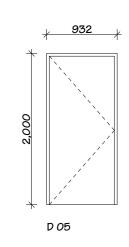
BLUE HATCH INDICATES
WINDOWS WITH EXTERNAL
BLINDS

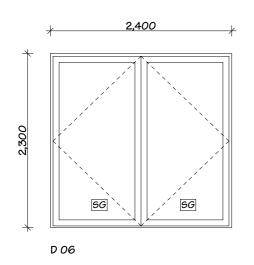


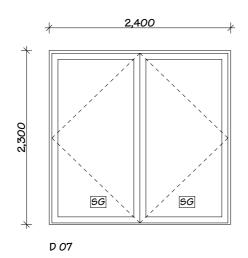


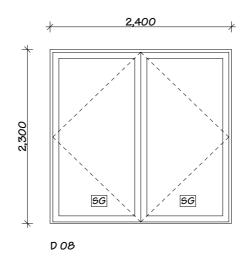


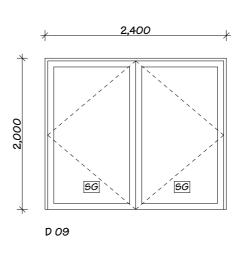


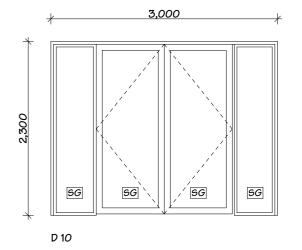












Heritage TIMBERCRAFT

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

DOOR SCHEDULE

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA NOTES:

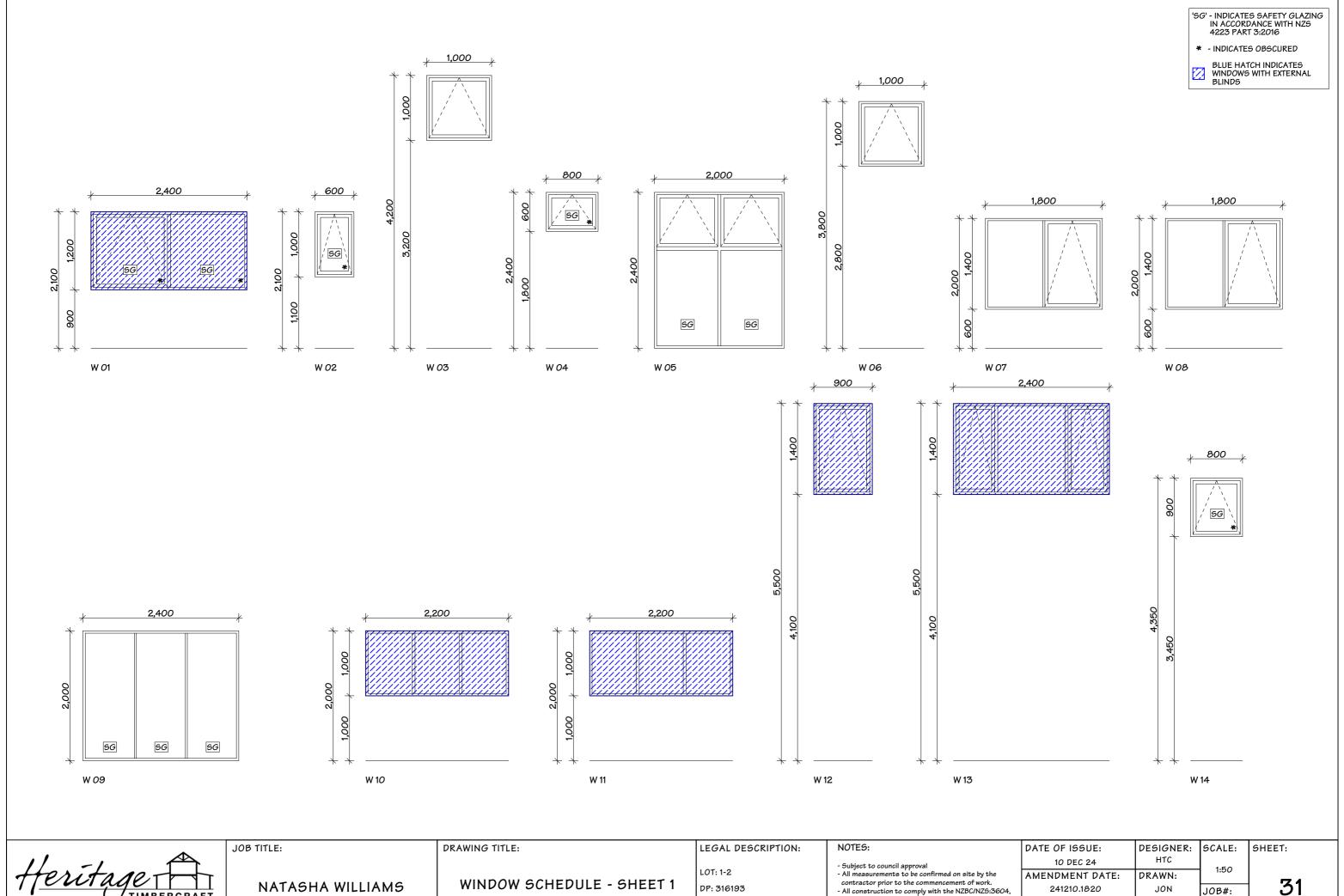
- Subject to council approval
- All measurements to be confirmed on site by the

contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike.

DATE OF IS	SUE:	DESIGNER:	SCALE:
10 DEC 24		HTC	1:50
AMENDMENT DATE:		DRAWN:	1:50
241210.1820		JON	JOB#:
VERSION:	REV NO:	CHECKED:	23071
WD-01	00	JON	

30

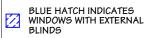


contractor prior to the commencement of work.

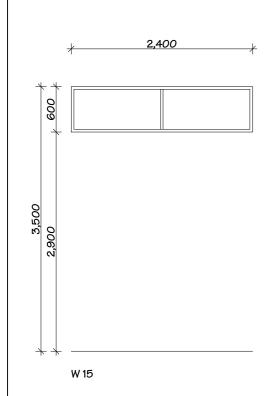
- All construction to comply with the NZBC/NZ5:3604, along-side with all standards alike. NATASHA WILLIAMS DP: 316193 241210.1820 JON ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA VERSION: REV NO: CHECKED: WD-01 00

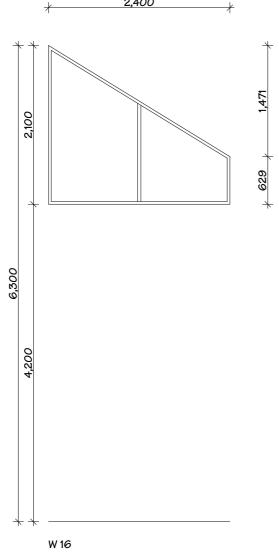
'5G' - INDICATES SAFETY GLAZING IN ACCORDANCE WITH NZS 4223 PART 3:2016

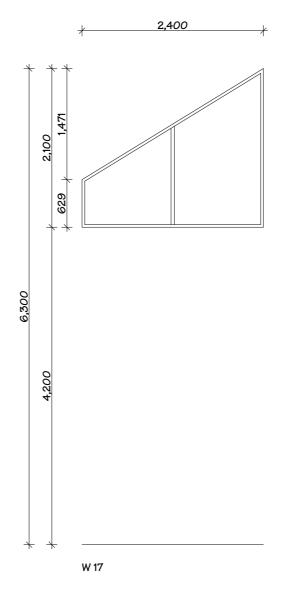
\* - INDICATES OBSCURED

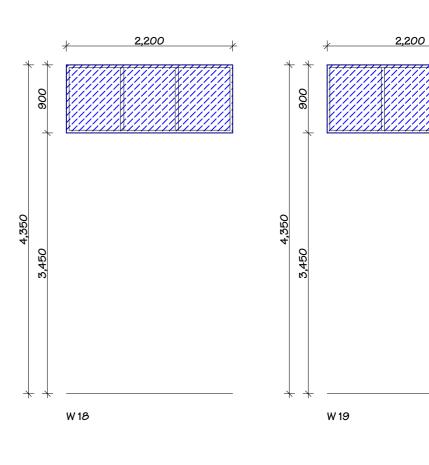












Heritage
TIMBERCRAFT

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

WINDOW SCHEDULE - SHEET 2

LEGAL DESCRIPTION:

LOT: 1-2 DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

- Subject to council approval

- All measurements to be confirmed on site by the contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike.

	DATE OF IS	SUE:	DESIGNER:	SCALE:	
	10 DE	C 24	HTC	1:50	
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4,	241210.1820		JON	JOB#:	
	VERSION:	REV NO:	CHECKED:	23071	
	WD-01	00	JON		







JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

3D VIEWS

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

### NOTES:

- Subject to council approval
  All measurements to be confirmed on site by the contractor prior to the commencement of work.
  All construction to comply with the NZBC/NZS:3604, alongside with all standards alike.

	DATE OF IS	SUE:	DESIGNER:	SCALE:	SHEET:
	10 DE	C 24	HTC	1:140.61,	
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241210.1820		JON	<b>J1057#</b> .49	3	
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JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

3D VIEWS

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

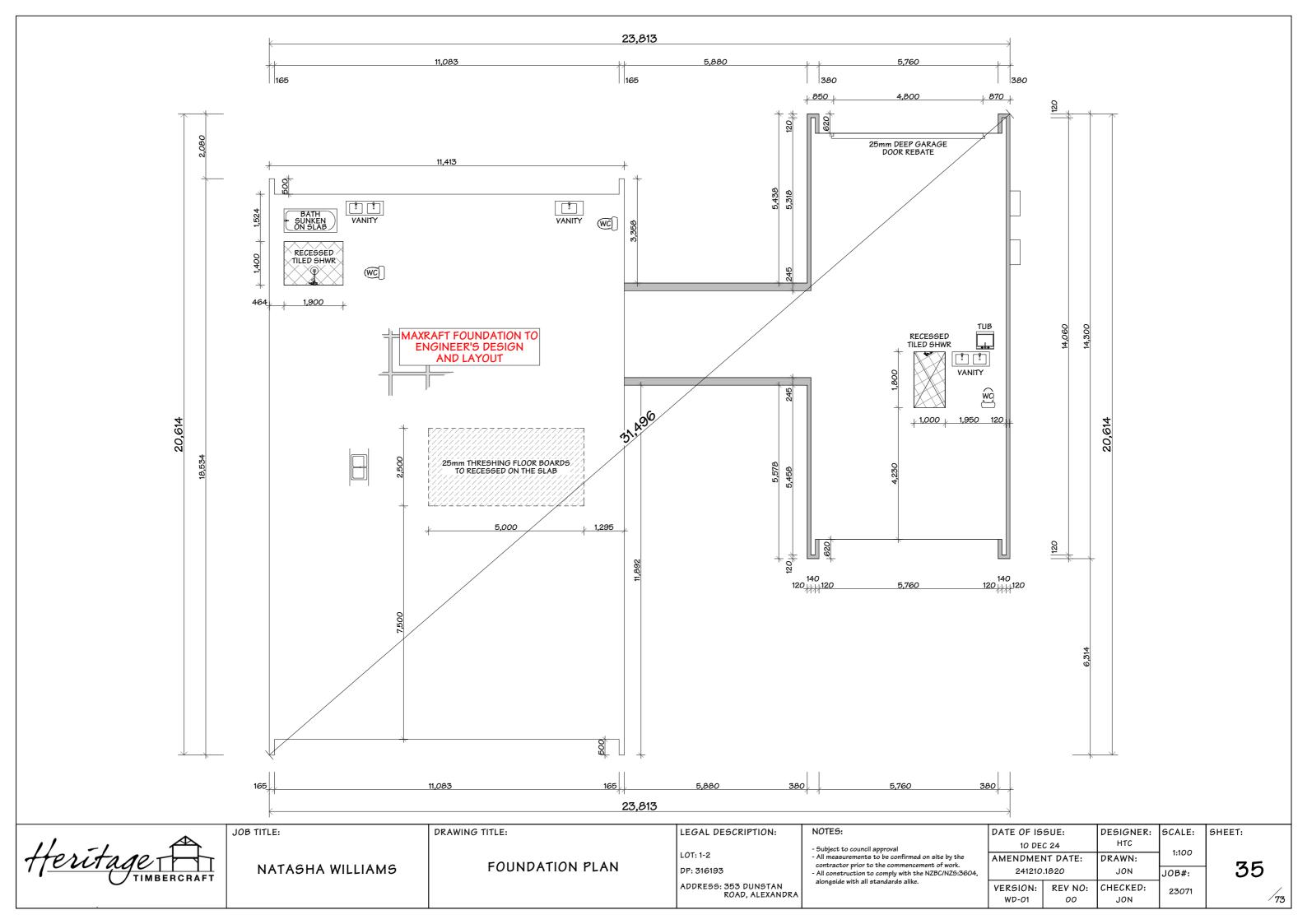
### NOTES:

- Subject to council approval

   All measurements to be confirmed on site by the contractor prior to the commencement of work.

   All construction to comply with the NZBC/NZS:3604, alongside with all standards alike.

DATE OF IS	SUE:	DESIGNER:	SCALE:	SHEET:
10 DE	C 24	HTC	1.467.03	
AMENDME	NT DATE:	DRAWN:	1:467.03, 1:469.39	_
241210	.1820	JON	JOB#:	3
VERSION:	REV NO:	CHECKED:	23071	
WD-01	00	JON	2007.	



NOTE: - ALL TIMBERS ARE TO BE HERITAGE TIMBERS, EXCEPT FOR THE RAFTERS, WHICH WILL BE OAK. NZS 3602:2003 ENGINEER TO RECOMMEND FIXINGS, ETC.

- TIMBER DIMENSIONS ARE APPROXIMATE BASED ON THEIR IMPERIAL (FEET & INCHES EQUIVALENTS. Table 1 – Requirements for wood-based building components to achieve a 50-year CONNECTION DETAILS: durability performance (continued) 3 1 - 140 × 100 × 6mm M9 L-BRACKET FIXED TO SLAB WITH 2/M12 × 100 SCREW BOLTS AND 10/14g SCREWS INTO POST Ref Wood-based **Species** Grade or Level of 2 - 150 x 230 x 6mm MS T-PLATE FIXED TO SLAB WITH 2/M12 x 100 SCREW BOLTS. FIXED TO POST WITH 2/Ø7mm x 153mm DOWELS. building No. Standard ref. moisture treatment(2) clause or type(1) to NZS 3640 or components range % 10,972.8 AS/NZS 1604(3) 3,581.5 3,695.6 3,695.7 E Members not exposed to weather or ground atmosphere and in dry conditions (see section 110) All roof trusses, including Radiata pine Structural grades gable end trusses, roof, ceiling and eaves framing, Douglas fir Structural grades None (1) (1) purlins and battens excluding skillion roof Structural grades 20 % or less None framing, and sarking H1.1 described in 1D.1 Cypress species (6) Structural grades sapwood None Cypress species(6) Structural grades 1E.2 All midfloor framing 5,187.1 heart 2.217.0 excluding boundary joists Kiln dried and gauged 5,549.9 but including associated Radiata pine Structural grades 18 % or less None ceiling framing LVL AS/NZS 4357 18 % or less 104.4.2 (1) 1E.3 Unlined buildings except those not allowed in 110.2(f) (1) HTC TIMBER MEMBERS SPECIES GRADE TREATMENT (B)-RAFTERS BEECH SG8 UT UNDERPURLING BEECH 5G8 UT (2) 6,000.0 EAVE GIRT BEECH 5*G*8 UT BEECH 5G8 UT TIE BEAM - FLOOR BEAM BEECH SG8 UT COLUMNS - POST BEECH SG8 UT QUEEN POST **BEECH** 5G8 UT BRACES BEECH 5G8 UT LOG FLOOR JOIST **BEECH** SG8 UT FLOORING BEECH NOTES: REQUIREMENTS FOR WOOD BASE BUILDING COMPONENTS TO ACHIEVE A 50-YEAR DURABILITY, PLEASE REFER TO NZS3602:2003 TABLE 1 (Z) (1) 6,000.0 (C)-(2) (2) (3) DRAWING TITLE: LEGAL DESCRIPTION: NOTES: DATE OF ISSUE: DESIGNER: SCALE: SHEET: HTC 10 DEC 24 - Subject to council approval
- All measurements to be confirmed on site by the 1:100, 1:1 LOT: 1-2 AMENDMENT DATE: DRAWN: POST LAYOUT PLAN contractor prior to the commencement of work 36 NATASHA WILLIAMS DP: 316193 241210.1820 All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike. JON JOB#: ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA CHECKED: VERSION: REV NO: 23071 WD-01

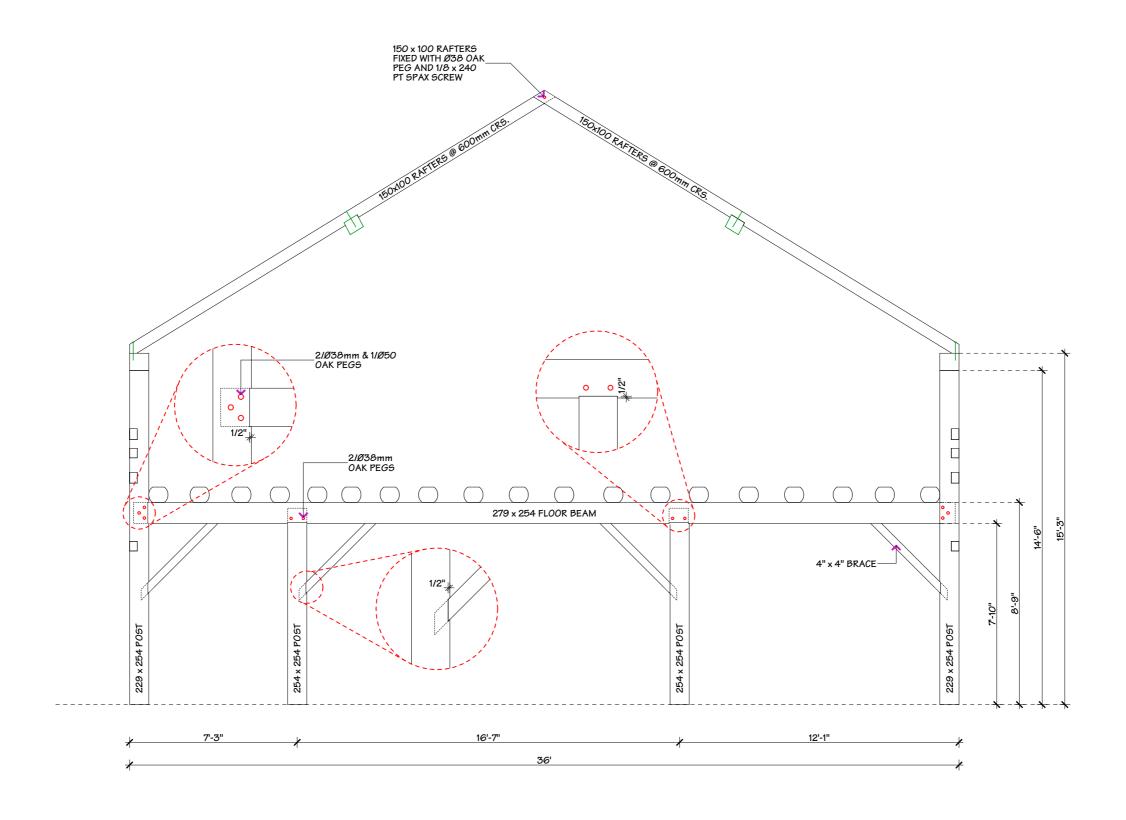
10,972.8 7,277.2 3,581.5 3,695.6 3,695.7 -279 x 254 TIE BEAM SED LOADBEARING WALL (B)-203 x 254 LOG -FLOOR JOIST AT 600mm CRS. 229 x 203 FLOOR BEAM FLOOR JOIST SUPPORTED BY 229 x 254 BEAM & 102 x 102 BRACES (c)---\_2/203 x 203 BEAMS TO SUPPORT FIREPLACE (2) (3) JOB TITLE: DRAWING TITLE: LEGAL DESCRIPTION: NOTES: SHEET: DATE OF ISSUE: DESIGNER: SCALE: 10 DEC 24 HTC - Subject to council approval
- All measurements to be confirmed on site by the 1:100 LOT: 1-2 AMENDMENT DATE: DRAWN: contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike. 37 MID-FLOOR FRAMING LAYOUT NATASHA WILLIAMS DP: 316193 241210.1820 JON J0B#: ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA VERSION: REV NO: CHECKED: 23071 WD-01

NOTE:
- ALL TIMBERS ARE TO BE HERITAGE TIMBERS, EXCEPT FOR THE RAFTERS, WHICH WILL BE OAK.
ENGINEER TO RECOMMEND FIXINGS, ETC.
- TIMBER DIMENSIONS ARE APPROXIMATE BASED ON THEIR IMPERIAL (FEET & INCHES EQUIVALENTS.

NOTE:
- ALL TIMBERS ARE TO BE HERITAGE TIMBERS, EXCEPT FOR THE RAFTERS, WHICH WILL BE OAK.
ENGINEER TO RECOMMEND FIXINGS, ETC.
- TIMBER DIMENSIONS ARE APPROXIMATE BASED ON THEIR IMPERIAL (FEET & INCHES EQUIVALENTS. FIXINGS 150 x 100 RAFTERS FIXED WITH Ø38 OAK\_ PEG AND 1/8 x 240 PT SPAX SCREW RAFTER FIXED TO UNDERPURLIN – WITH 1/8 x 240 PT \_2/Ø38mm & 1/Ø50 OAK PEGS RAFTER FIXED TO EAVE GIRT WITH 1/8 x 240 PT M12 x 300 FT SPAX SCREW \_Ø38mm OAK PE*G* 49° 279 x 254 TIE BEAM M12 x 300 FT SPAX SCREW 102 x 102 BRACE-4,242 254 x 254 FLOOR BEAM \_2/Ø38mm OAK PEGS 203 x 254 LOG FLOOR JOIST AT 600 crs. MAX. SECURED WITH 2/8 x 280 PT SPAX SCREW 3,861 254 x 254 POST 254 × 254 POST 254 x 254 POST 1/2" 2,421 0 3,696 3,582 3,696 10,973

	JOB TITLE:	DRAWING TITLE:	LEGAL DESCRIPTION:	NOTES:	DATE OF IS	SUE:	DESIGNER:	SCALE:	SHEET:
11 -1				- Subject to council approval	10 DE	C 24	HTC	1.50	
Herita 10,		DENT A	LOT: 1-2	- All measurements to be confirmed on site by the contractor prior to the commencement of work.	AMENDMEN	NT DATE:	DRAWN:	1:50	<b>.</b>
( TIMBERCRAFT	NATASHA WILLIAMS	BENT A	DP: 316193	- All construction to comply with the NZBC/NZ5:3604,	241210.	.1820	JON	JOB#:	38
O TIMBETOTIAL I			ADDRESS: 353 DUNSTAN	alongside with all standards alike.	VERSION:	REV NO:	CHECKED:	23071	
			ROAD, ALEXANDRA		WD-01	00	JON		73



JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

**BEDROOM BENT** 

LEGAL DESCRIPTION: LOT: 1-2

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

DP: 316193

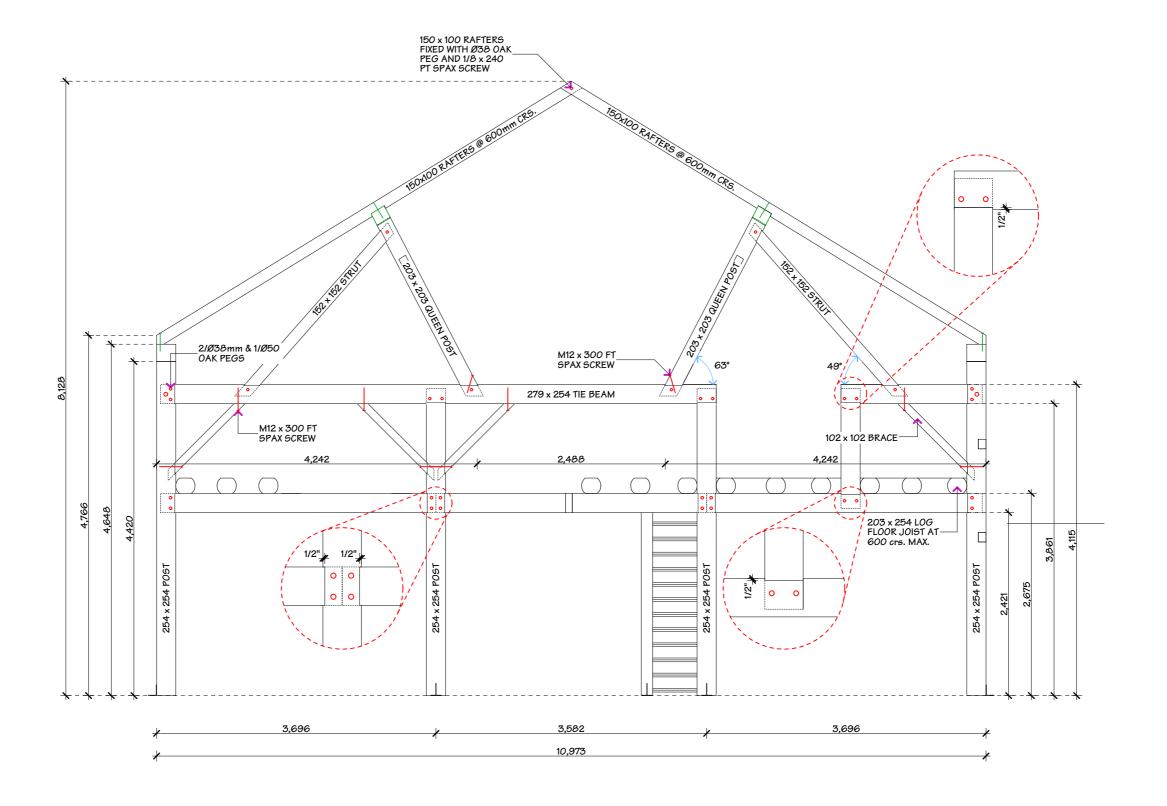
- Subject to council approval

- All measurements to be confirmed on site by the contractor prior to the commencement of work.

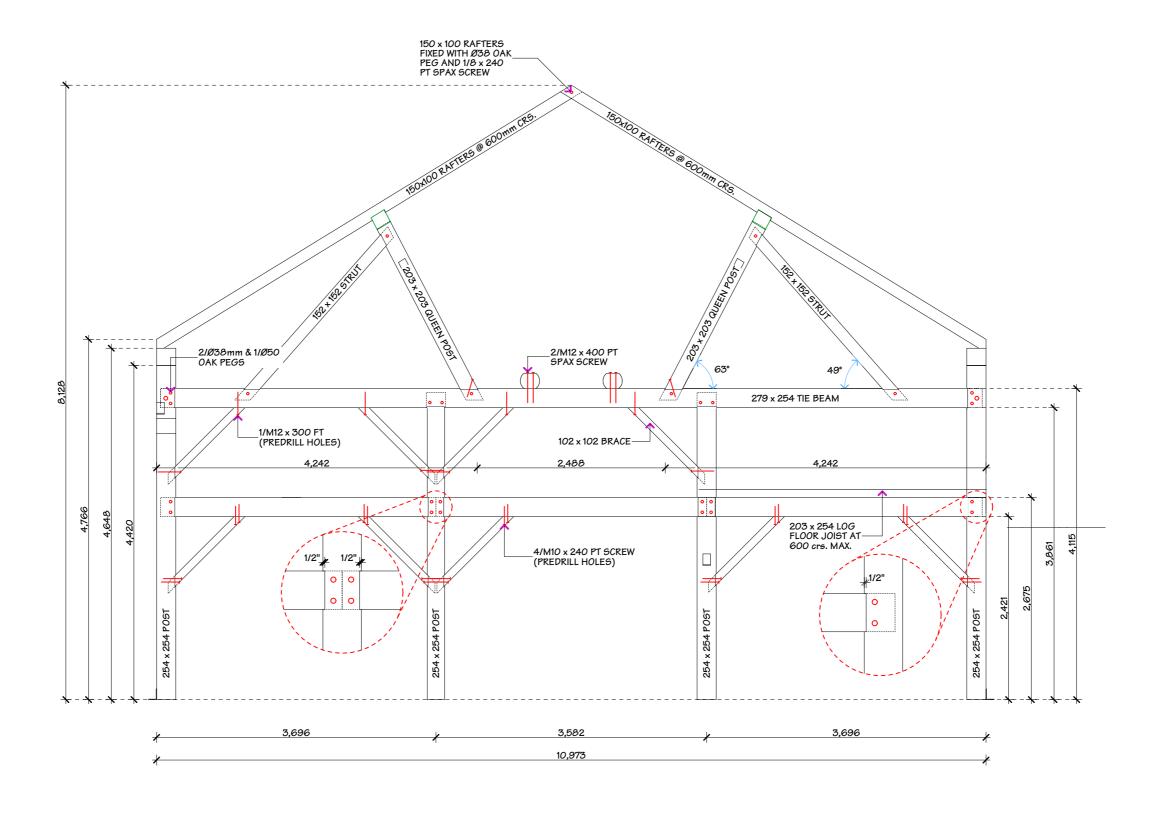
- All construction to comply with the NZBC/NZS:3604, alongside with all standards alike.

NOTES:

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	VERSION:	REV NO:	CHECKED:	23071		
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_	JOB TITLE:	DRAWING TITLE:	LEGAL DESCRIPTION:	NOTES:	DATE OF IS	SUE:	DESIGNER:	SCALE:	SHEET:
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4101151101V		neue n	LOT: 1-2		AMENDMEN	NT DATE:	DRAWN:	1:50	
( TIMBERCRAFT	NATASHA WILLIAMS	BENT B	DP: 316193	contractor prior to the commencement of work.  - All construction to comply with the NZBC/NZ5:3604,	241210.	.1820	JON	JOB#:	40
			ADDRESS: 353 DUNSTAN	alongside with all standards alike.	VERSION:	REV NO:	CHECKED:	23071	
			ROAD, ALEXANDRA		WD-01	00	JON		77



Herita	rge A
	TIMBERCRAFT

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

BENT C

LEGAL DESCRIPTION: LOT: 1-2 DP: 316193

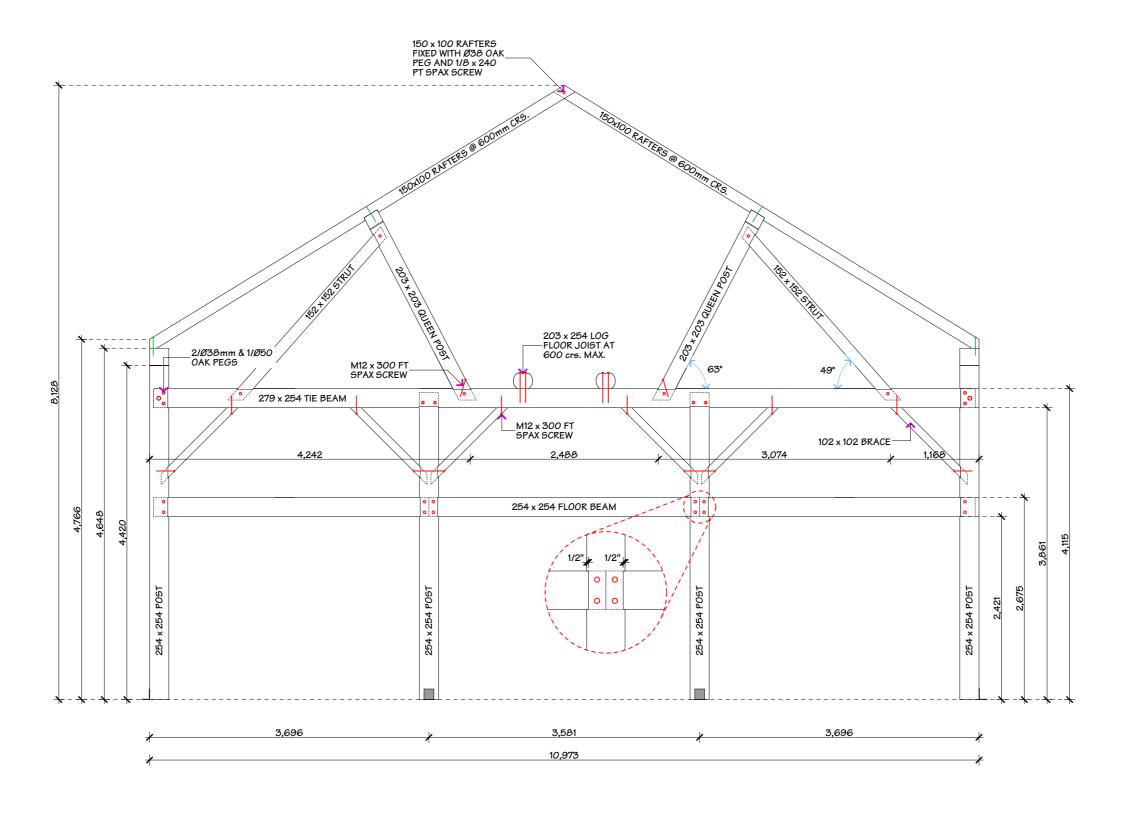
ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

- Subject to council approval
- All measurements to be confirmed on site by the contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike.

NOTES:

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VERSION:	REV NO:	CHECKED:	23071		
WD-01	00	JON			



Heritage T	RCRAFT
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JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

BENT D

LEGAL DESCRIPTION: LOT: 1-2

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

DP: 316193

- Subject to council approval
- All measurements to be confirmed on site by the contractor prior to the commencement of work.

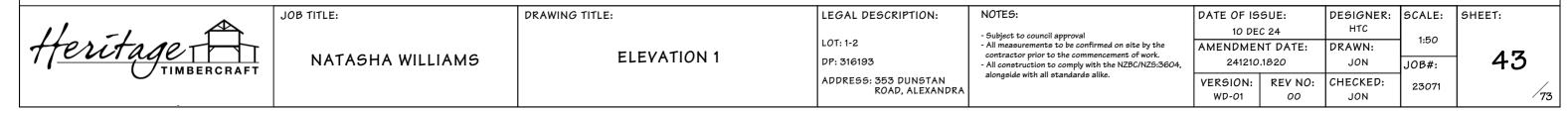
- All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike.

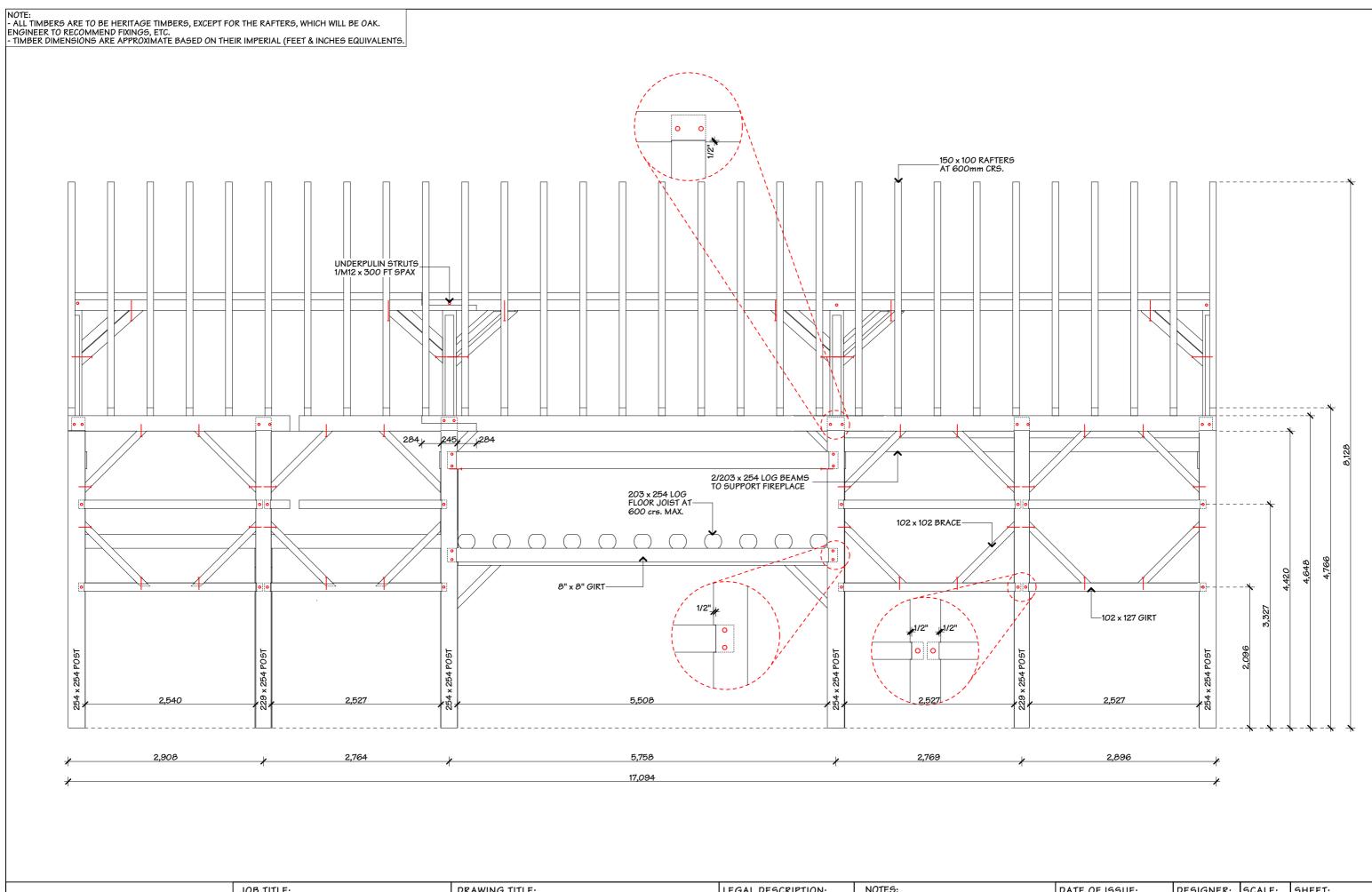
NOTES:

DATE OF IS	SUE:	DESIGNER:	SCALE:
10 DE	C 24	HTC	1:50
AMENDME	NT DATE:	DRAWN:	1:50
241210	.1820	JON	JOB#:
VERSION:	REV NO:	CHECKED:	23071
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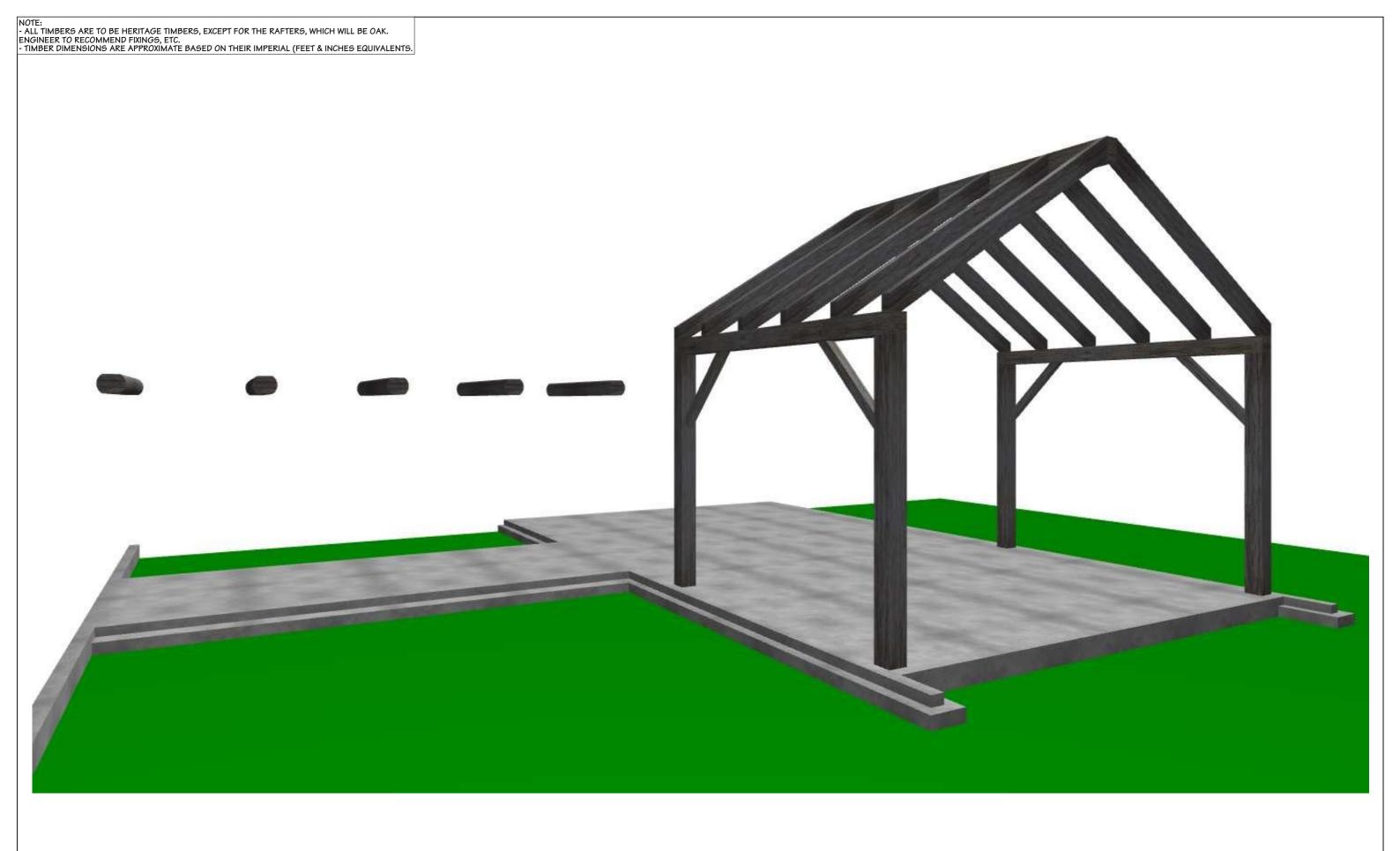
NOTE:
- ALL TIMBERS ARE TO BE HERITAGE TIMBERS, EXCEPT FOR THE RAFTERS, WHICH WILL BE OAK.
ENGINEER TO RECOMMEND FIXINGS, ETC.
- TIMBER DIMENSIONS ARE APPROXIMATE BASED ON THEIR IMPERIAL (FEET & INCHES EQUIVALENTS. 00 150 x 100 RAFTERS AT 600mm CRS. UNDERPULIN STRUTS 203 x 254 LOG -FLOOR JOIST AT 600 crs. MAX. 273 267 273 203 x 254 LOG FLOOR JOIST AT-600 crs. MAX. 254 x 203 GIRT -1/M12 x 180 FT SPAX 102 x 102 BRACE-1/2" -102 x 127 GIRT 1/2" 1/2" 229 x 254 POST 254 x 254 POST 5,512





JOB TITLE: DRAWING TITLE: LEGAL DESCRIPTION: NOTES: DATE OF ISSUE: DESIGNER: SCALE: SHEET: HTC 10 DEC 24 - Subject to council approval
- All measurements to be confirmed on site by the 1:50 LOT: 1-2 AMENDMENT DATE: DRAWN: contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike. **ELEVATION 2** NATASHA WILLIAMS DP: 316193 241210.1820 JON J0B#: ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA VERSION: REV NO: CHECKED: 23071 WD-01 00



JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

**3D VIEW** 

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

- Subject to council approval

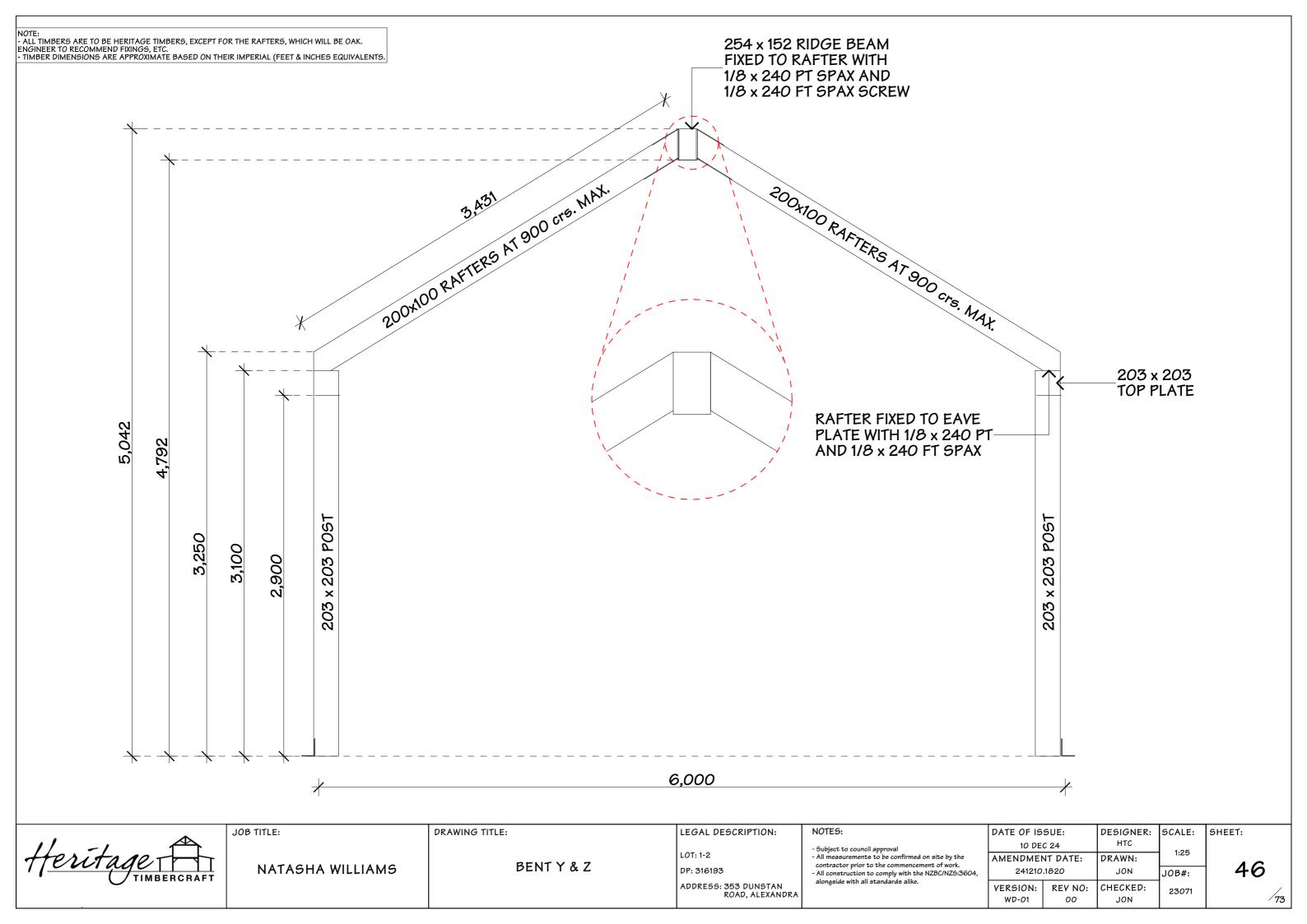
- All measurements to be confirmed on site by the contractor prior to the commencement of work.

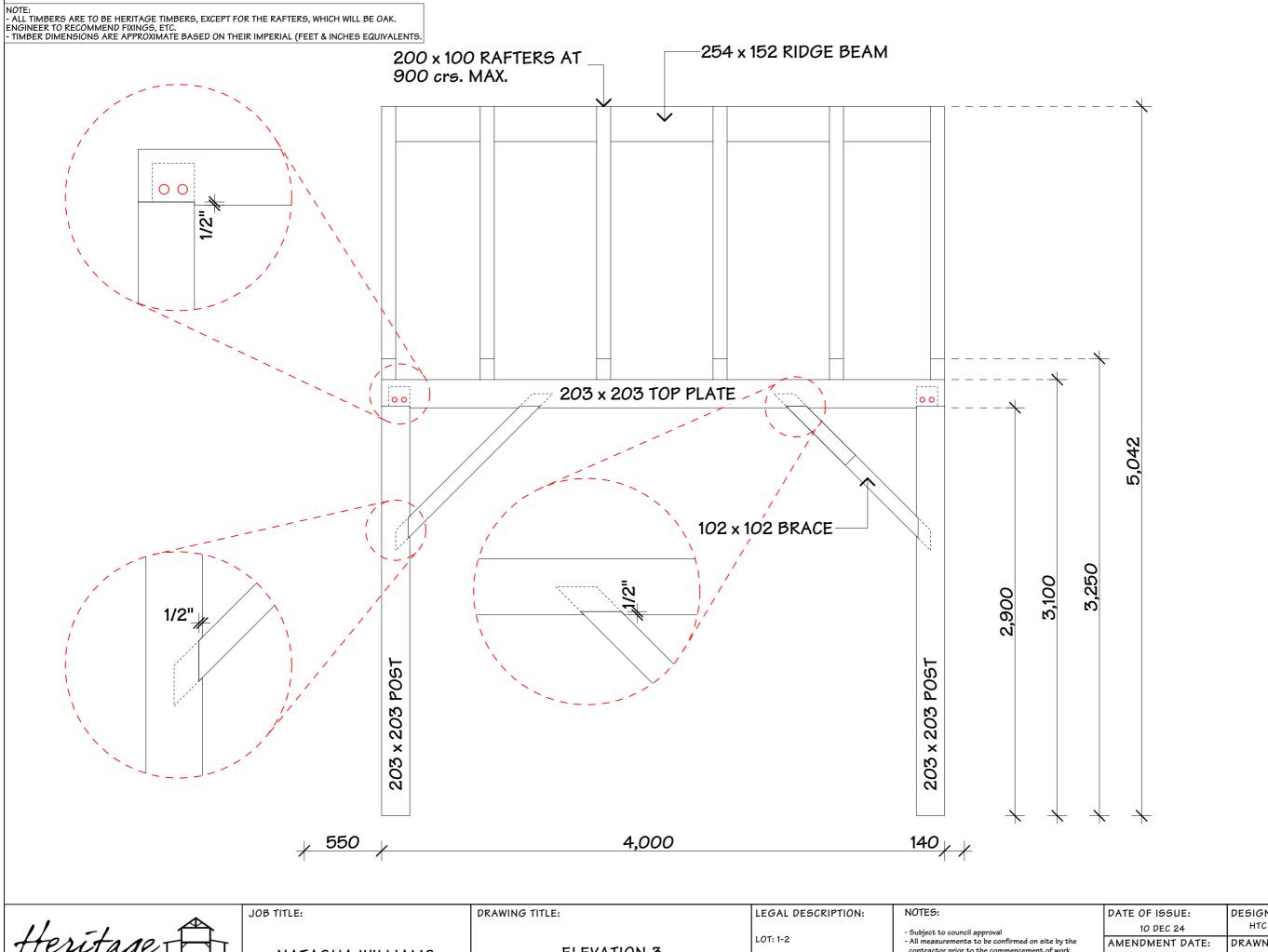
- All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike.

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AMENDMENT DATE:		DRAWN:	1:127.90		
241210.1820		JON	JOB#:		
VERSION:	REV NO:	CHECKED:	23071		
WD-01	00	JON			

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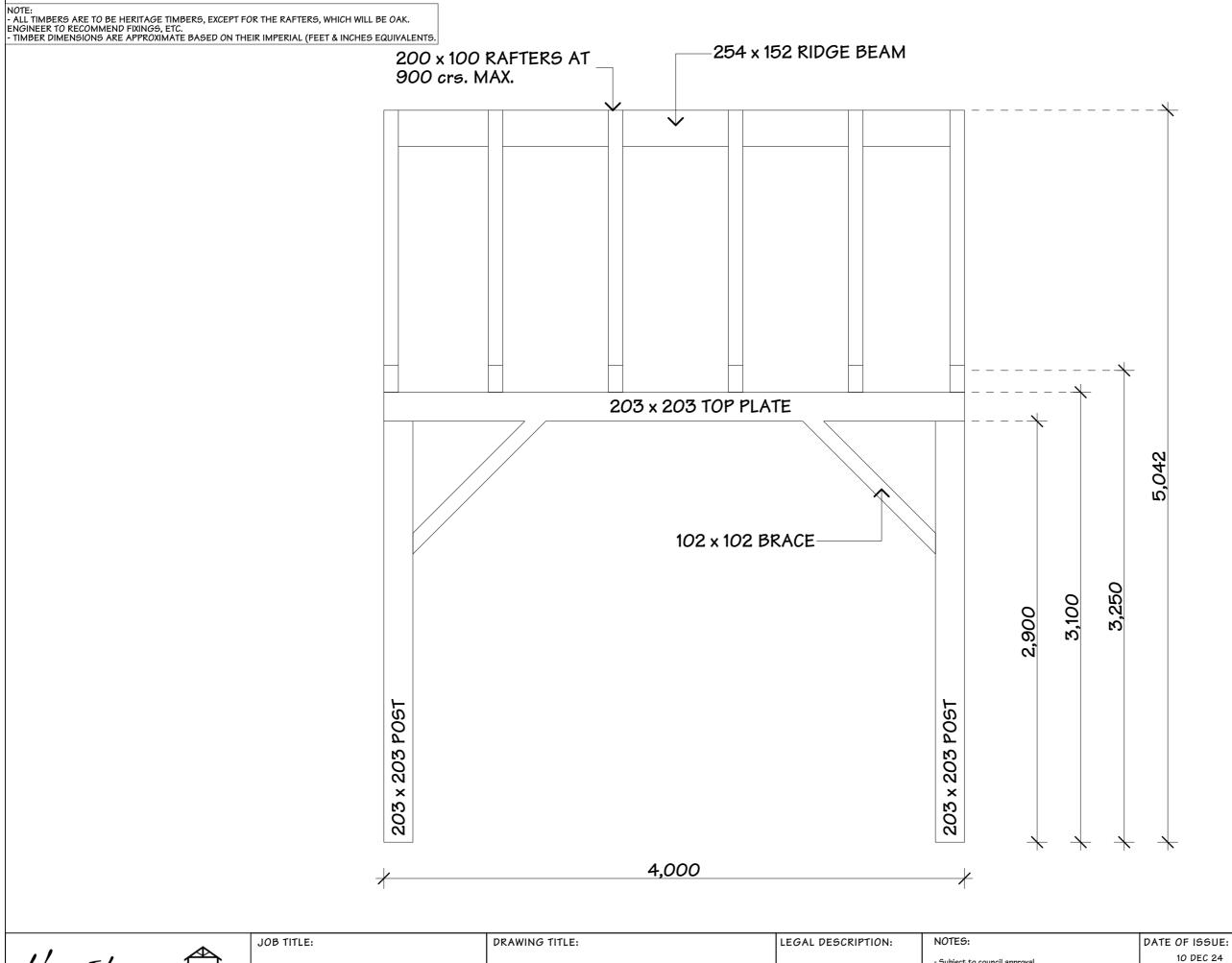




DESIGNER: SCALE: SHEET: HTC - Subject to council approval

- All measurements to be confirmed on site by the
contractor prior to the commencement of work.

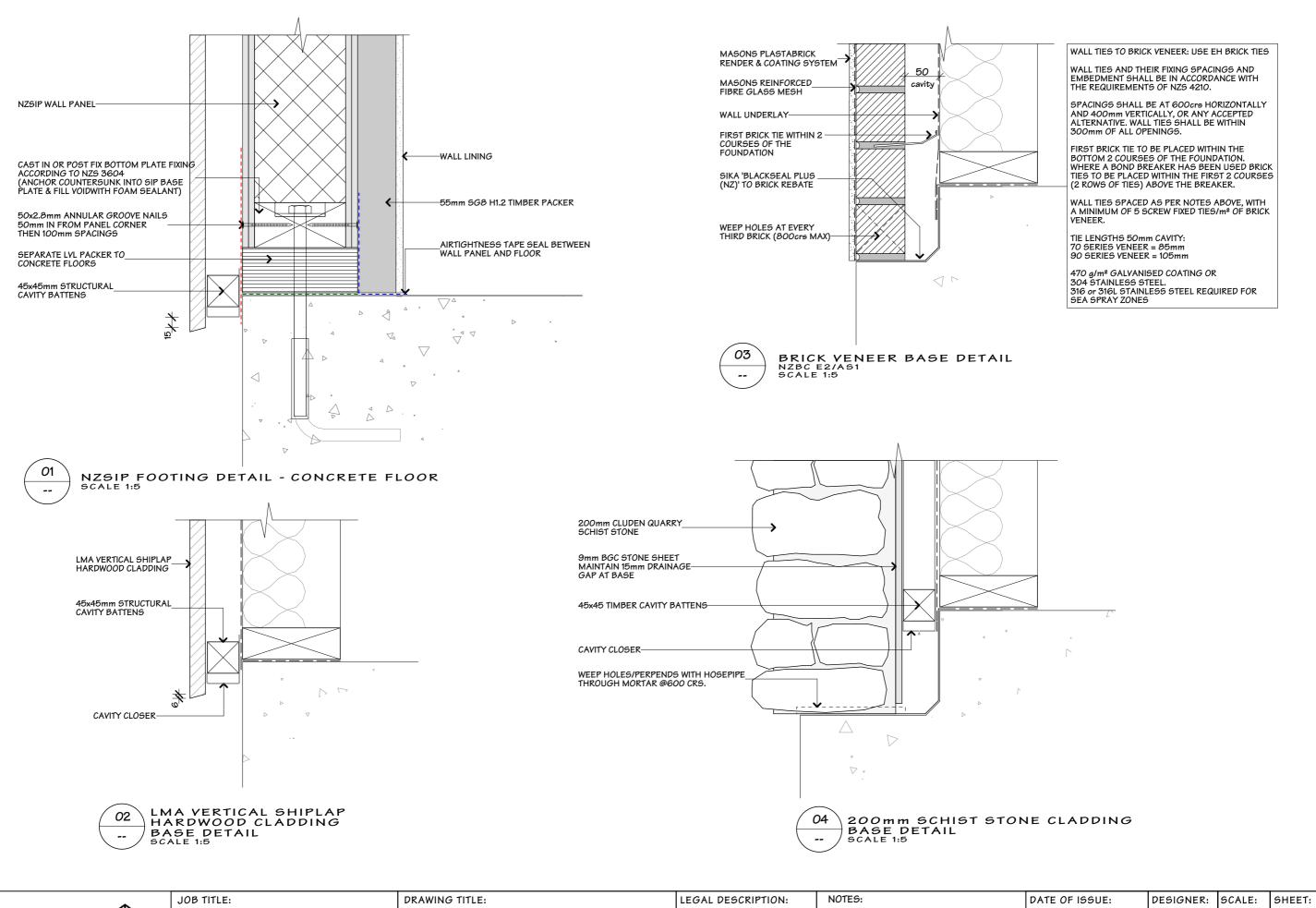
- All construction to comply with the NZBC/NZS:3604,
alongside with all standards alike. 1:25 DRAWN: 47 **ELEVATION 3** NATASHA WILLIAMS DP: 316193 241210.1820 JON J0B#: ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA VERSION: REV NO: CHECKED: 23071 WD-01



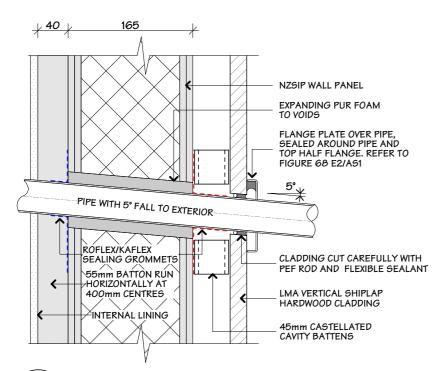
DESIGNER: SCALE: SHEET: HTC 10 DEC 24 - Subject to council approval

- All measurements to be confirmed on site by the contractor prior to the commencement of work.

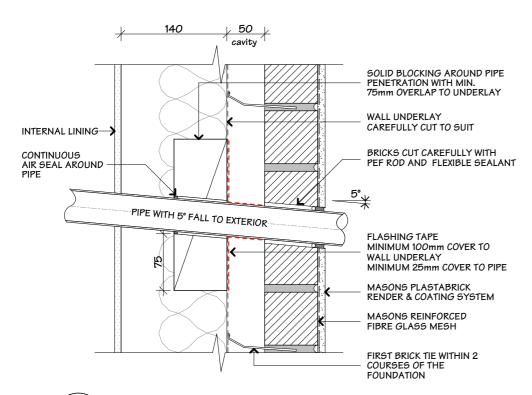
- All construction to comply with the NZBC/NZS:3604, alongside with all standards alike. 1:25 LOT: 1-2 AMENDMENT DATE: DRAWN: 48 **ELEVATION 4** NATASHA WILLIAMS DP: 316193 241210.1820 JON J0B#: ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA VERSION: REV NO: CHECKED: 23071



HTC 10 DEC 24 - Subject to council approval
- All measurements to be confirmed on site by the 1:5 LOT: 1-2 AMENDMENT DATE: DRAWN: BASE DETAILS contractor prior to the commencement of work. 49 NATASHA WILLIAMS DP: 316193 241210.1820 JON JOB#: - All construction to comply with the NZBC/NZS:3604, alongside with all standards alike. ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA CHECKED: VERSION: REV NO: 23071 WD-01 00 JON

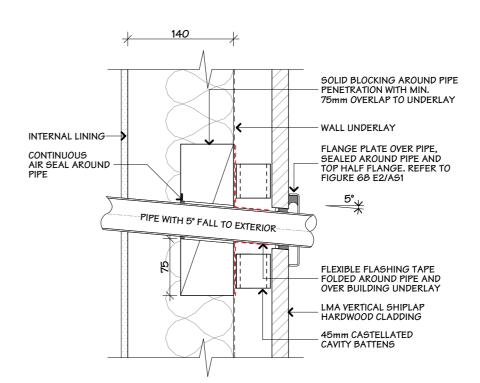


LMA VERTICAL SHIPLAP ON 165 NZSIP PANEL PIPE PENETRATION DETAIL SCALE 1:5

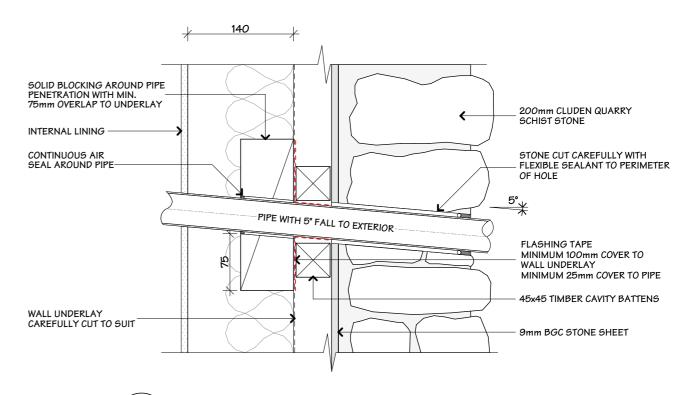


NATASHA WILLIAMS

BRICK VENEER ON 140 WALL PIPE PENETRATION DETAIL SCALE 1:5



LMA VERTICAL SHIPLAP ON 140 WALL PIPE PENETRATION DETAIL SCALE 1:5



SCHIST STONE ON 140 WALL PIPE PENETRATION DETAIL SCALE 1:5



JOB TITLE:

DRAWING TITLE:

PIPE PENETRATION DETAILS

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193

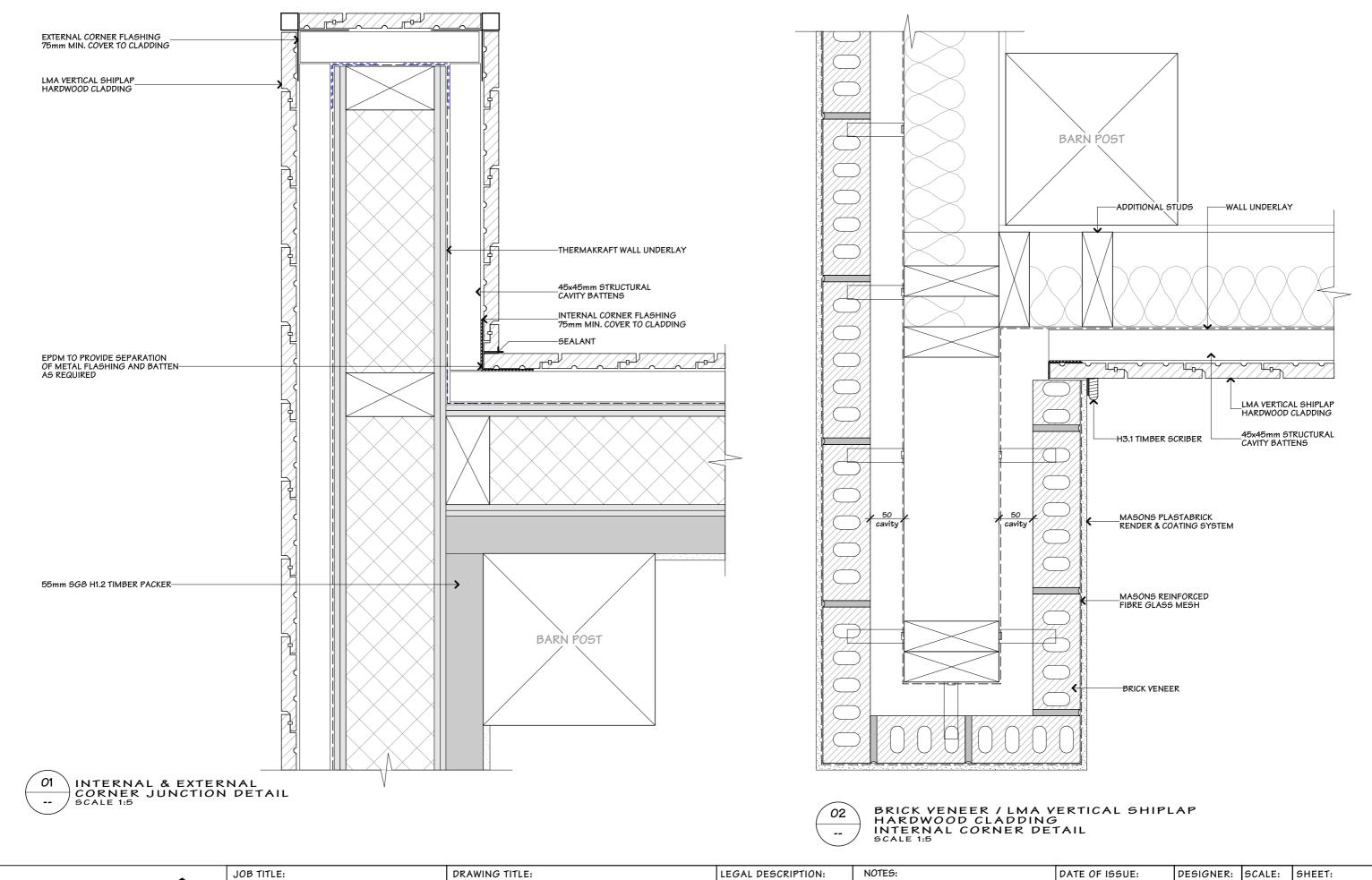
ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

- Subject to council approval
- All measurements to be confirmed on site by the

contractor prior to the commencement of work - All construction to comply with the NZBC/NZS:3604. alongside with all standards alike.

DATE OF ISSUE:		DESIGNER:	SCALE:	
10 DEC 24		HTC	1:5	
AMENDMENT DATE:		DRAWN:	1:5	
٠,	241210.1820		JON	J0B#:
	VERSION:	REV NO:	CHECKED:	23071
	WD-01	00	JON	



NATASHA WILLIAMS

CORNER JUNCTION DETAILS

LEGAL DESCRIPTION:

LOT: 1-2

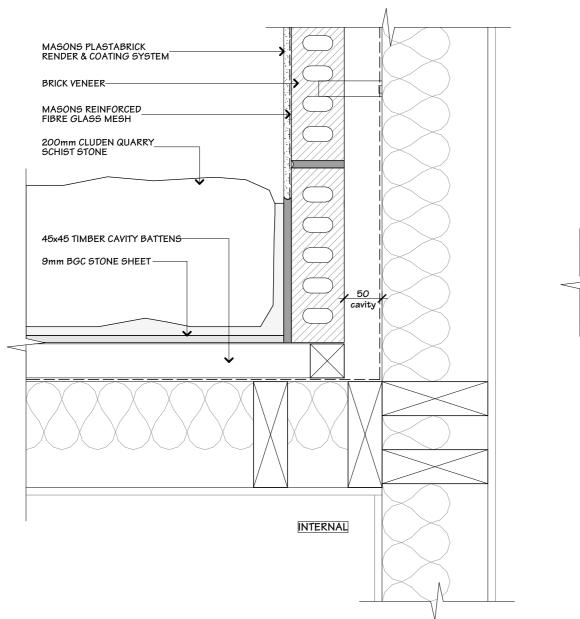
DP: 316193

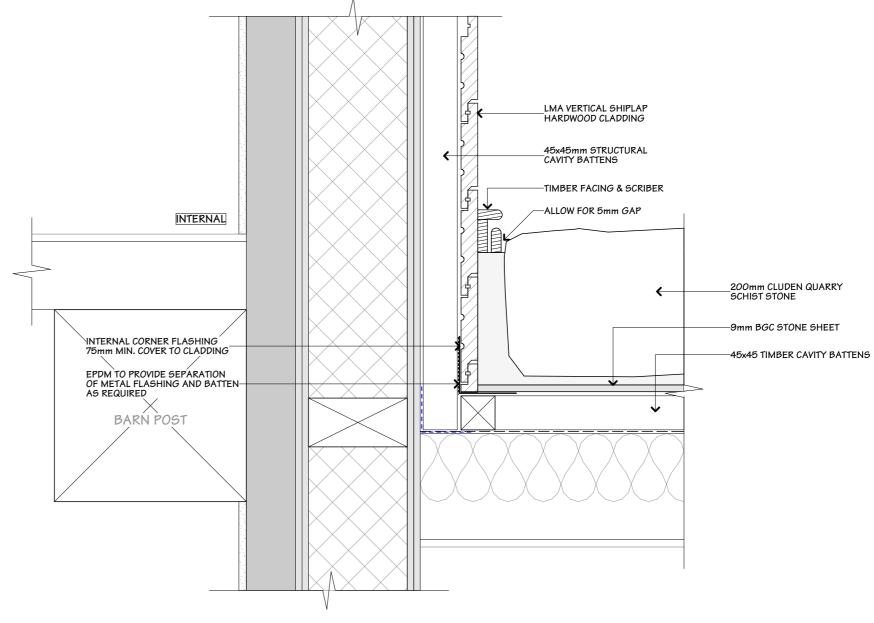
ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

- Subject to council approval
   All measurements to be confirmed on site by the
- contractor prior to the commencement of work.

   All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike.

DATE OF ISSUE:		DESIGNER:	SCALE:
10 DEC 24		HTC	1:5
AMENDMENT DATE:		DRAWN:	l:5
241210.1820		JON	JOB#:
VERSION:	REV NO:	CHECKED:	23071
WD-01	00	JON	





BRICK VENEER/200mm SCHIST STONE
INTERNAL CORNER JUNCTION DETAIL
SCALE 1:5

92 SCHIST STONE/LMA HARDWOOD INTERNAL CORNER JUNCTION DETAIL SCALE 1:5

Heritage TIMBERCRAFT

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

CORNER JUNCTION DETAILS

LOT: 1-2 DP: 316193 ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

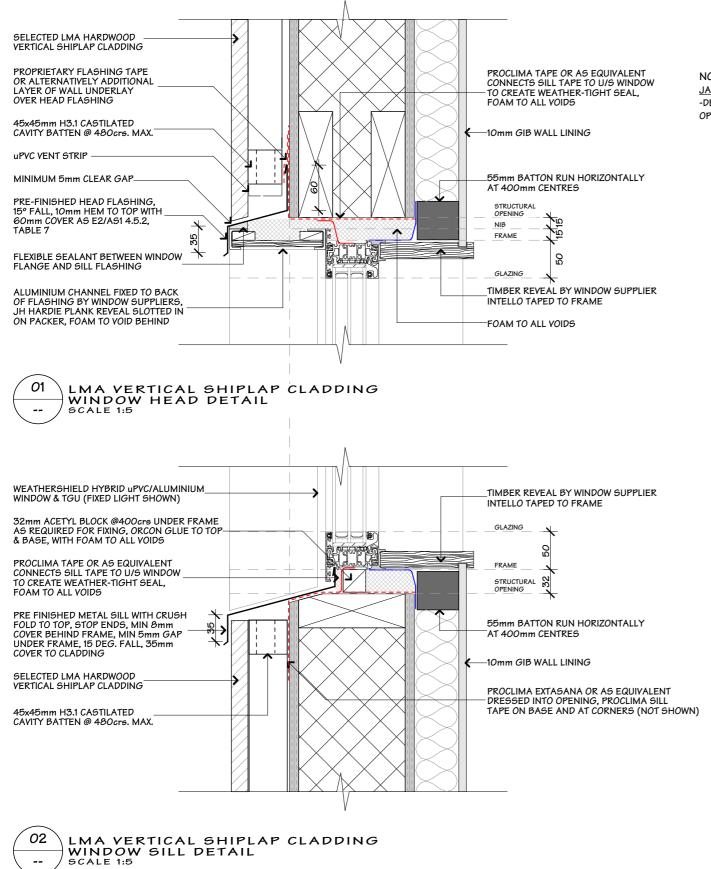
LEGAL DESCRIPTION:

NOTES:

Subject to council approval
 All measurements to be confirmed on site by the contractor prior to the commencement of work.
 All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike.

DATE OF ISSUE: DESIGNER: SCALE: 10 DEC 24 HTC AMENDMENT DATE: DRAWN: 241210.1820 JON J0B#: CHECKED: VERSION: REV NO: 23071 WD-01 JON

<sup>5неет:</sup>
52

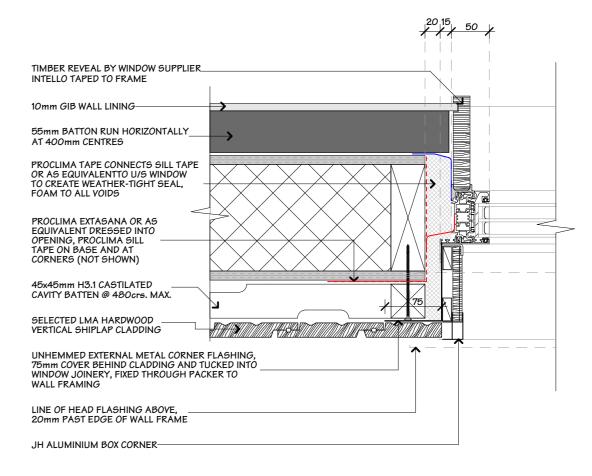


NOTE:

JAMB & HEAD DETAILS

-DETAILS ALSO APPLY TO LOW THREASHOLD INWARD

OPENING AND OUTWARD OPENING PATIO DOORS



03 LMA VERTICAL SHIPLAP CLADDING WINDOW JAMB DETAIL SCALE 1:5

Heritage TIMBERCRAFT

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

...

JOINERY DETAILS

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193

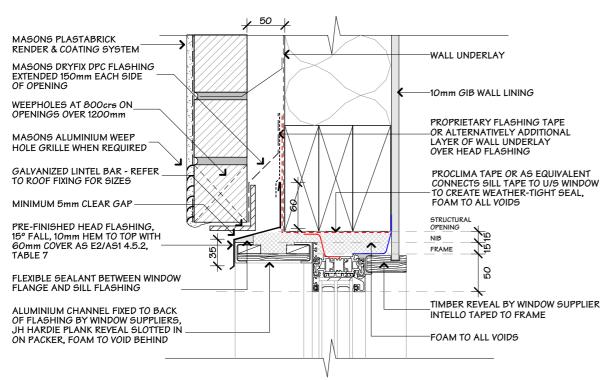
ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA NOTES:

Subject to council approval

 All measurements to be confirmed on site by the contractor prior to the commencement of work.
 All construction to comply with the NZBC/NZS:3604 alongside with all standards alike.

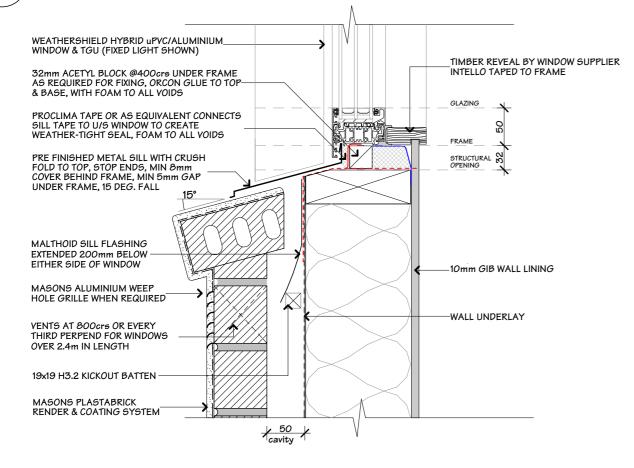
	DATE OF ISSUE:		DESIGNER:	SCALE:
10 DEC 24			HTC	1:5
AMENDMENT DATE:		DRAWN:	1:5	
٠,	241210.1820		JON	J0B#:
	VERSION:	REV NO:	CHECKED:	23071
	wp-01	00	l JON	

53



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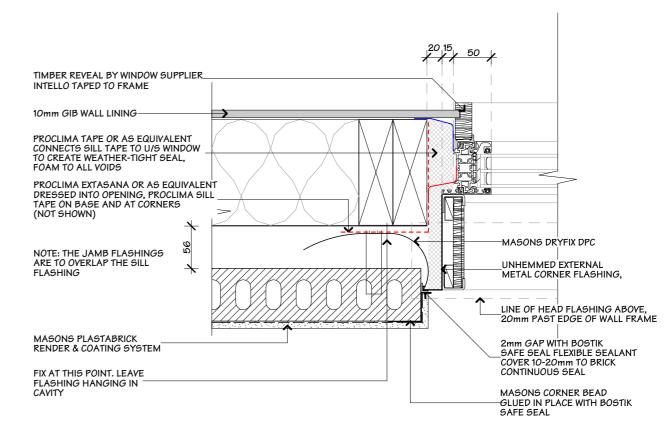
#### BRICK VENEER CLADDING WINDOW HEAD DETAIL 9CALE 1:5



NOTE:

JAMB & HEAD DETAILS

-DETAILS ALSO APPLY TO LOW THREASHOLD INWARD OPENING AND OUTWARD OPENING PATIO DOORS



03

BRICK VENEER CLADDING
WINDOW JAMB DETAIL
9CALE 1:5

O2 BR WI sc

BRICK VENEER CLADDING WINDOW SILL DETAIL 9CALE 1:5

Heritage TIMBERCRAFT

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

JOINERY DETAILS

LEGAL DESCRIPTION:

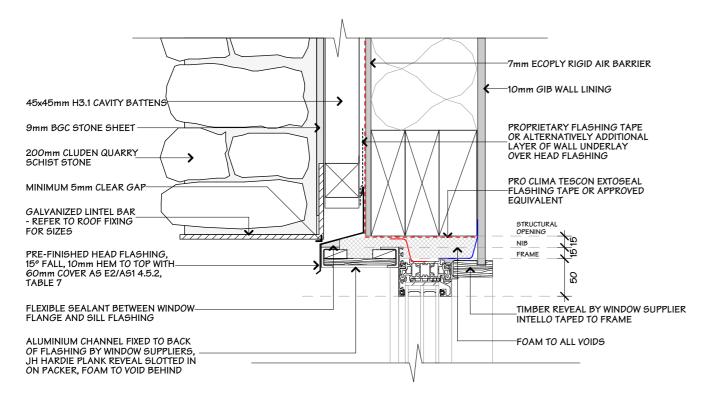
LOT: 1-2

DP: 316193 ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA NOTES:

Subject to council approval

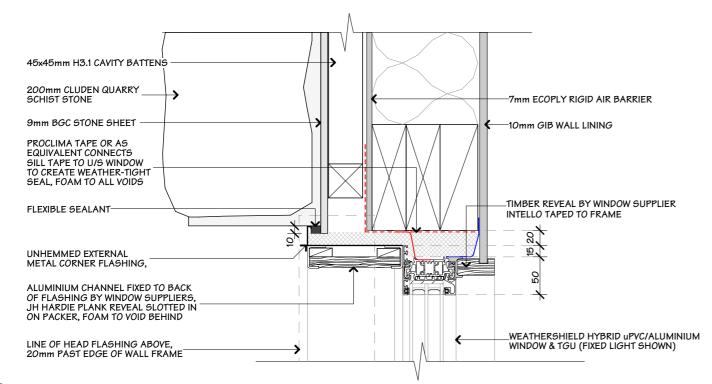
 All measurements to be confirmed on site by the contractor prior to the commencement of work.
 All construction to comply with the NZBC/NZS:3604, alongside with all standards alike.

	DATE OF ISSUE:		DESIGNER:	SCALE:
10 DEC 24			HTC	1:5
AMENDMENT DATE:		DRAWN:	1:5	
٠,	241210.1820		JON	JOB#:
	VERSION:	REV NO:	CHECKED:	23071
	WD-01	00	JON	

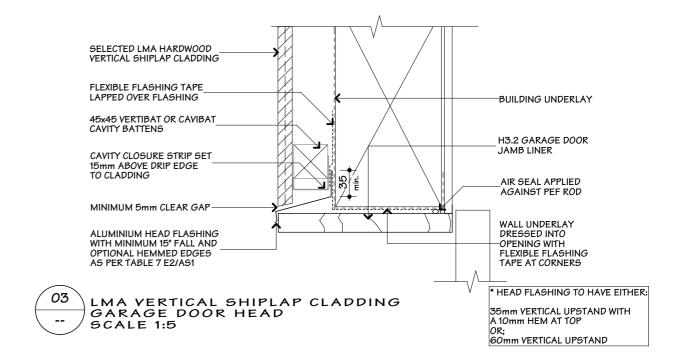


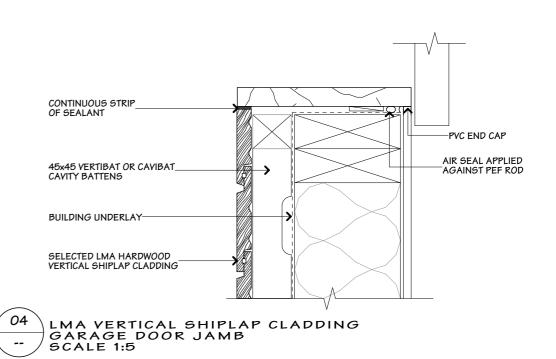
O1 SCHIST STONE CLADDING DOOR/WINDOW HEAD DETAIL SCALE 1:5

JAMB & HEAD DETAILS
-DETAILS ALSO APPLY TO LOW THREASHOLD INWARD
OPENING AND OUTWARD OPENING PATIO DOORS



92 SCHIST STONE CLADDING DOOR/WINDOW JAMB DETAIL SCALE 1:5





Heritage TIMBERCRAFT

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

JOINERY DETAILS

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193 ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA NOTES:

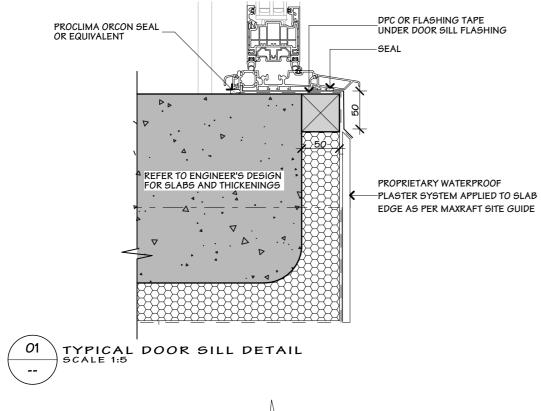
- Subject to council approval
- All measurements to be confirmed on site by the

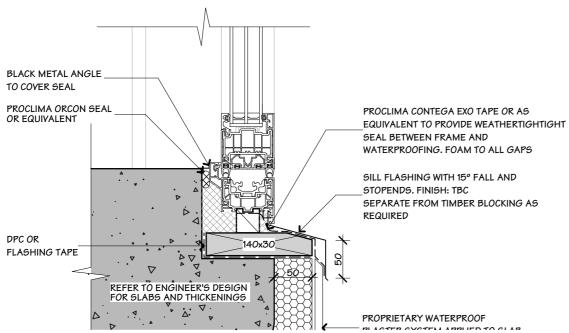
contractor prior to the commencement of work.

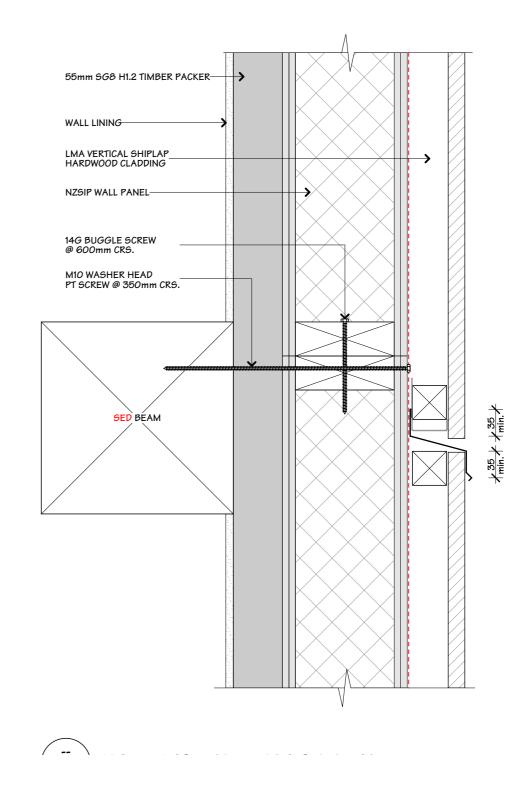
- All construction to comply with the NZBC/NZ9:3604, alongside with all standards alike.

	DATE OF ISSUE:		DESIGNER:	SCALE:	
	10 DEC 24		HTC	1:5	
	AMENDMENT DATE:		DRAWN:	1:5	
	241210.1820		JON	JOB#:	
	VERSION:	REV NO:	CHECKED:	23071	
	WD-01	00	JON		

**55** 









JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

DOOR SILL DETAILS

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

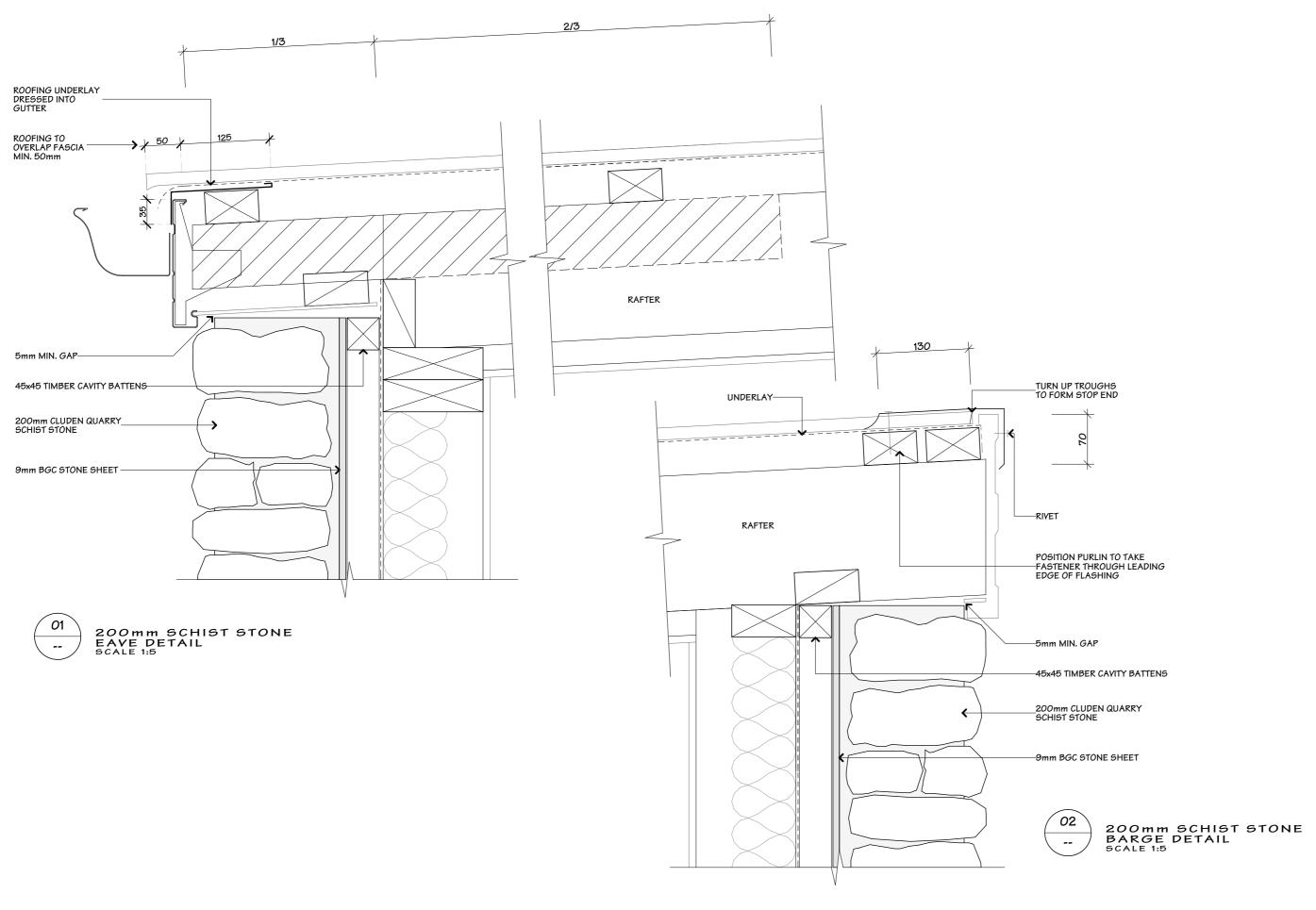
- Subject to council approval
- All measurements to be confirmed on site by the

contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike.

DATE OF ISSUE:		DESIGNER:	SCALE:
10 DEC 24		HTC	1:5
AMENDMENT DATE:		DRAWN:	1:5
241210.1820		JON	JOB#:
VERSION:	REV NO:	CHECKED:	23071
WD-01	00	JON	





Heritage TIMBERCRAFT

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

SCHIST STONE EAVE & BARGE DETAILS

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

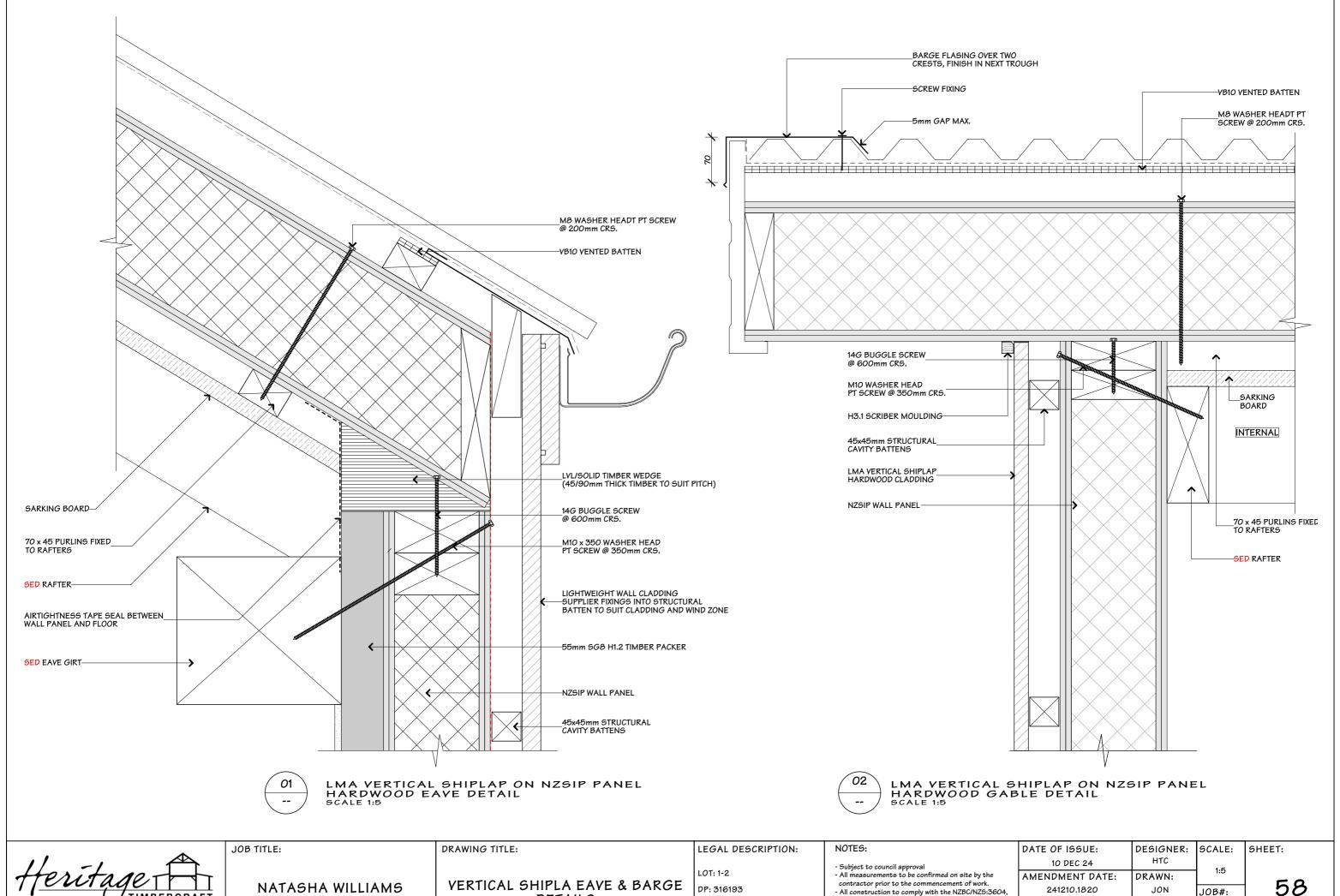
NOTES:

- Subject to council approval
- All measurements to be confirmed on site by the

All measurements to be committee on site by the contractor prior to the commencement of work.
 All construction to comply with the NZBC/NZS:3604, alongside with all standards alike.

DATE OF ISSUE:		DESIGNER:	SCALE:			
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AMENDMENT DATE:		DRAWN:	1:5			
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VERSION:	REV NO:	CHECKED:	23071			
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SHEET:



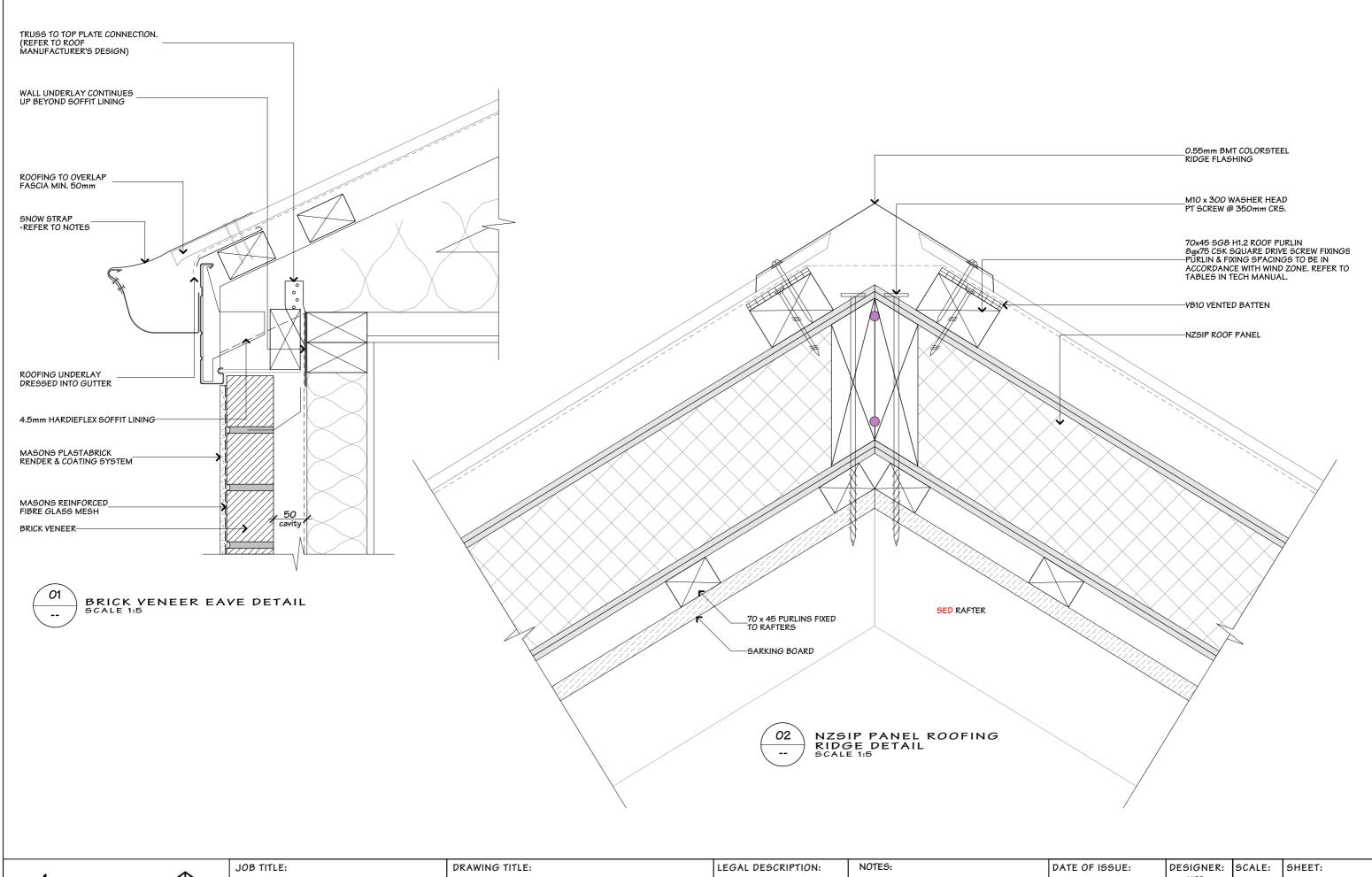
**DETAILS** 

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike.

DATE OF ISSUE:		DESIGNER:	SCALE:	
	10 DEC 24		HTC	1:5
	AMENDMENT DATE:		DRAWN:	1:5
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	VERSION:	REV NO:	CHECKED:	23071
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Heritage TIMBERCRAFT

NATASHA WILLIAMS

EAVE & RIDGE DETAILS

LOT: 1-2

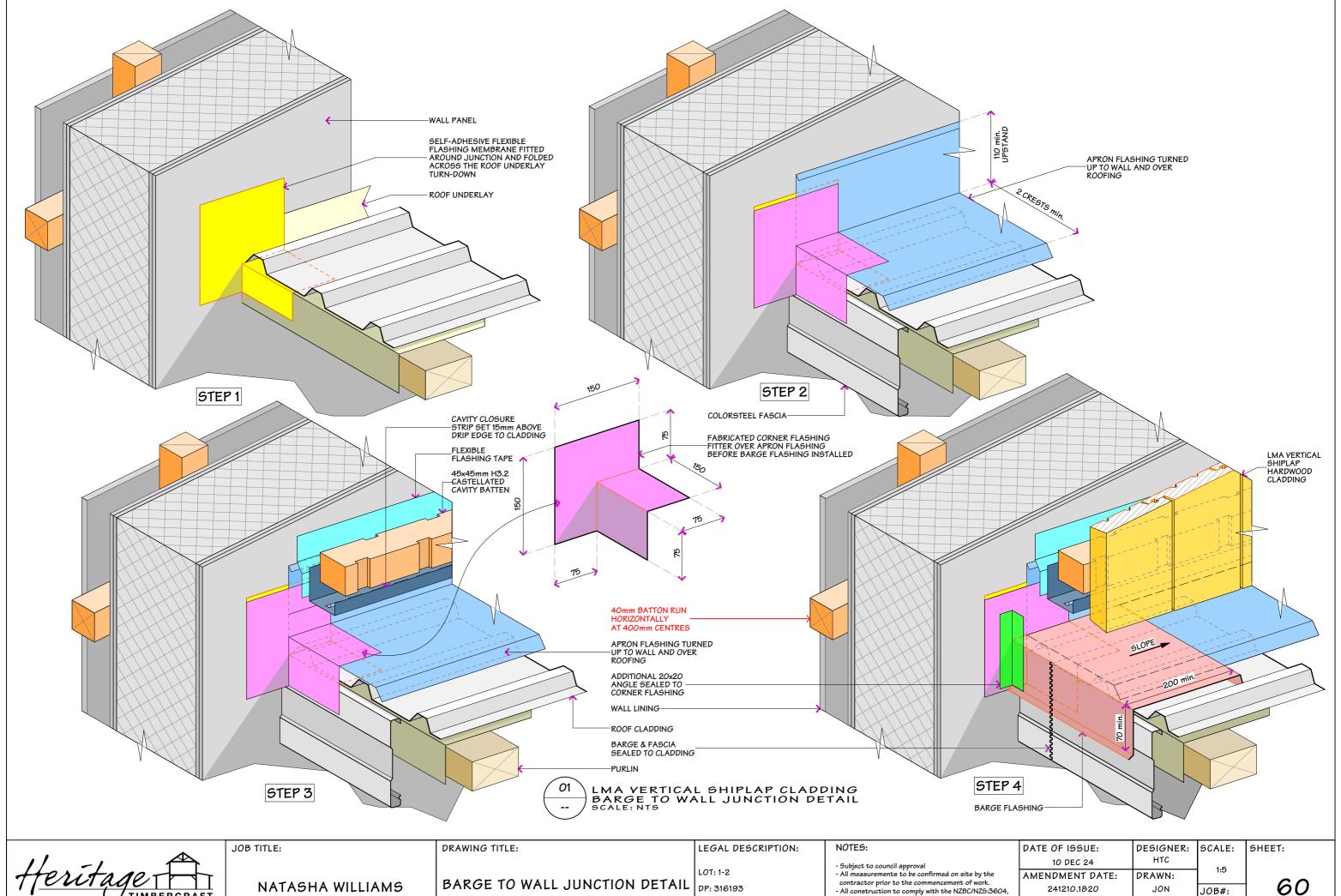
DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA - Subject to council approval
- All measurements to be confirmed on site by the

contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZ5:3604, along-side with all standards alike.

	DATE OF IS	SUE:	DESIGNER:	SCALE:
	10 DE	C 24	HTC	1:5
	AMENDME	NT DATE:	DRAWN:	1:5
,	241210	.1820	JON	JOB#:
	VERSION:	REV NO:	CHECKED:	23071
	WD-01	00	JON	



NATASHA WILLIAMS

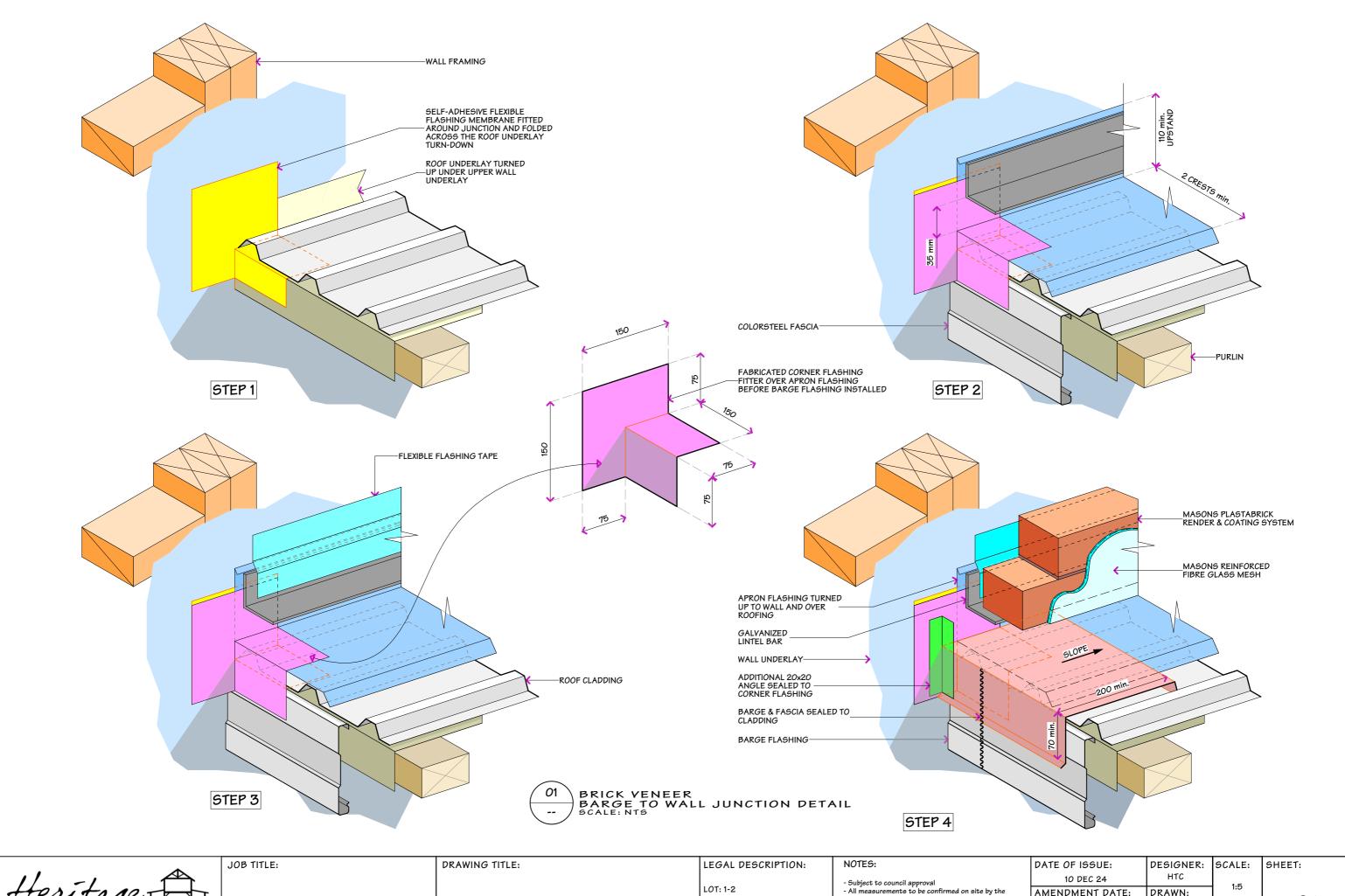
BARGE TO WALL JUNCTION DETAIL

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZ5:3604, along-side with all standards alike.

	DATE OF IS	SUE:	DESIGNER:	SCALE:
10 DEC 24		HTC	1:5	
AMENDMENT DATE:		DRAWN:	lio	
	241210	.1820	JON	JOB#:
	VERSION: WD-01	REV NO: 00	CHECKED: JON	23071



NATASHA WILLIAMS

BRICK TO WALL JUNCTION DETAIL

LOT: 1-2

DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZ5:3604, along-side with all standards alike.

DATE OF IS	SUE:	DESIGNER:	SCALE:
10 DE	C 24	HTC	1:5
AMENDME	NT DATE:	DRAWN:	1:5
241210	.1820	JON	J0B#:
VERSION:	REV NO:	CHECKED:	23071
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Heritage TIMBERCRAFT

NATASHA WILLIAMS

CHIMNEY DETAILS

LOT: 1-2

DP: 316193

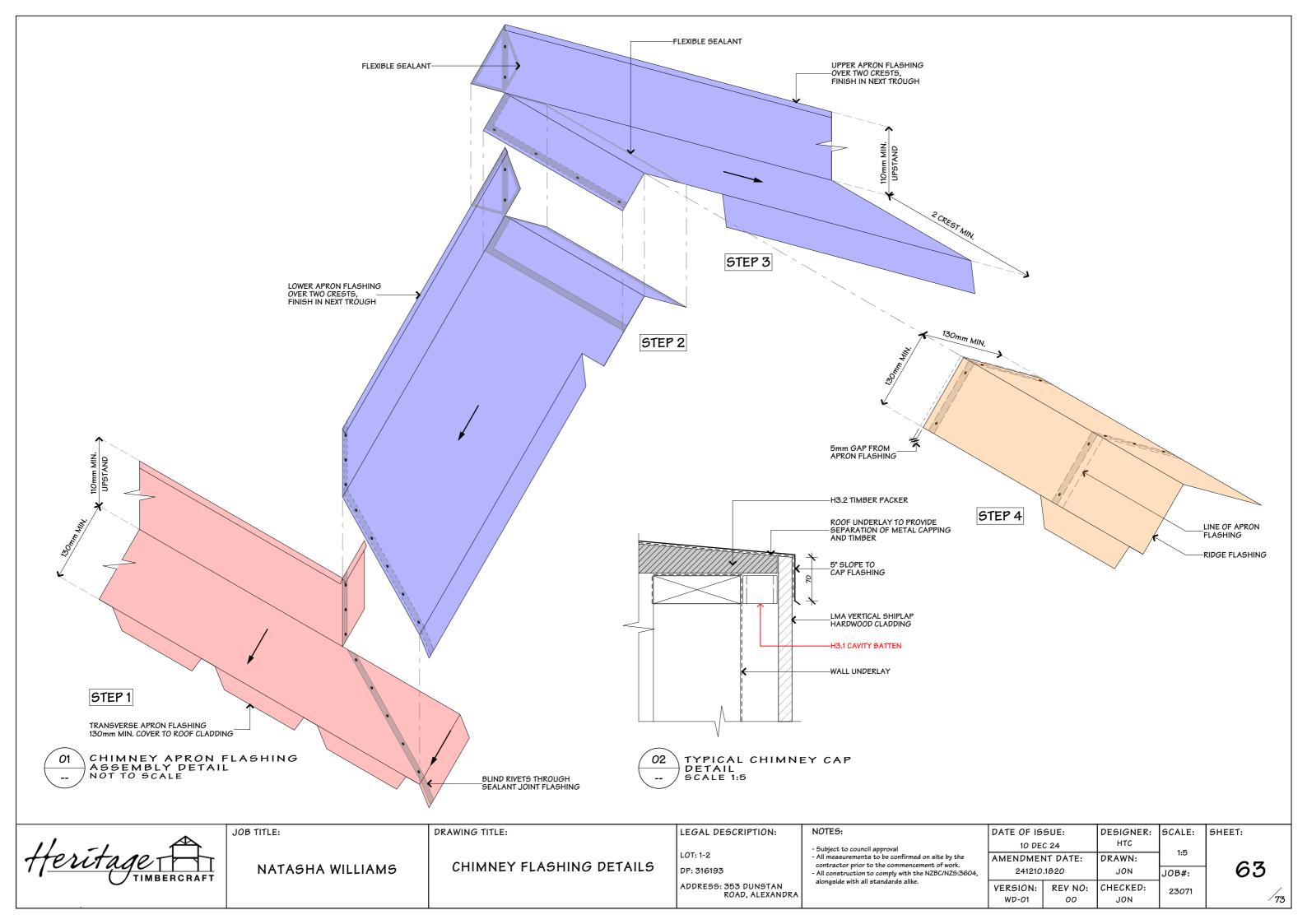
ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

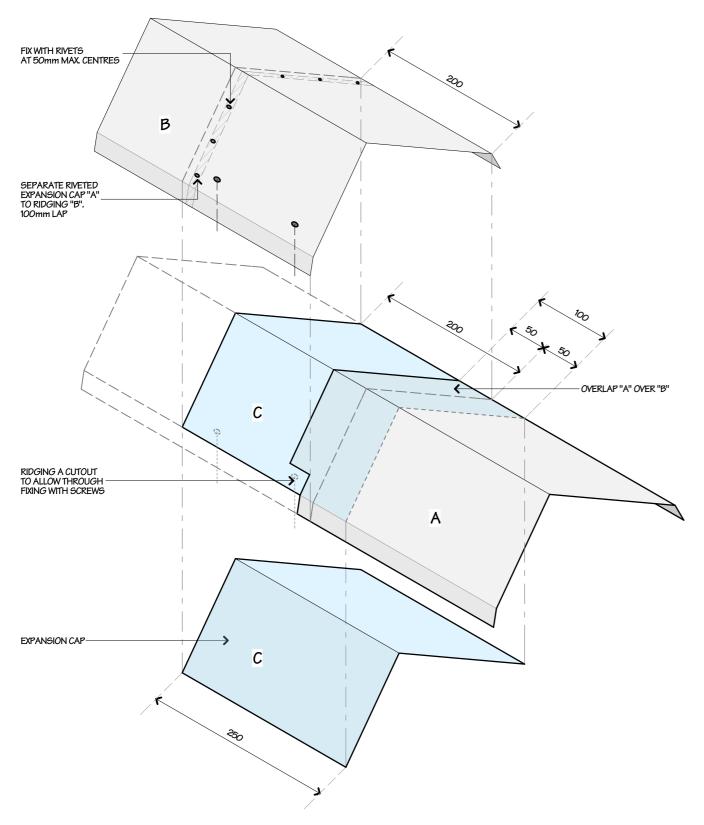
- Subject to council approval

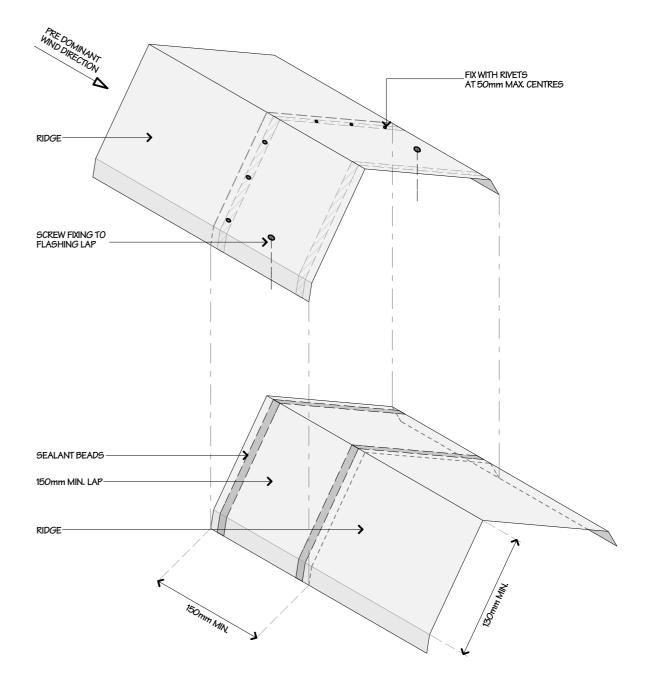
- All measurements to be confirmed on site by the
contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZS:3604,
alongside with all standards alike.

DATE OF IS	SUE:	DESIGNER:	SCALE:
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AMENDME	NT DATE:	DRAWN:	1:5
241210	.1820	JON	J0B#:
VERSION:	REV NO:	CHECKED:	23071
WD-01	00	JON	







NON-MOVEMENT CONTROL JOINTS SCALE: 1:5

EXPANSION JOINTS (TO ALLOW THERMAL MOVEMENT) SCALE: 1:5

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

**EXPANSION JOINT & CONTROL** JOINT DETAILS

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193 ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

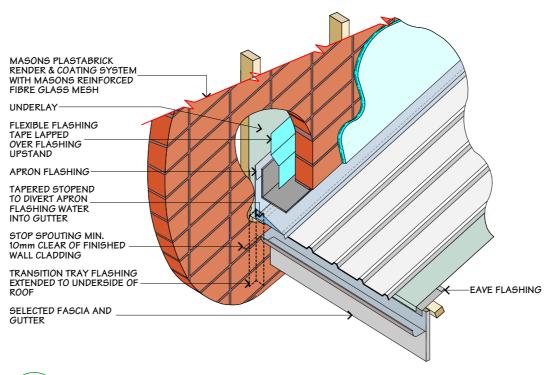
- Subject to council approval
- All measurements to be confirmed on site by the contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZ9:3604, along-side with all standards alike.

DESIGNER: DATE OF ISSUE: HTC 10 DEC 24 AMENDMENT DATE: DRAWN: 241210.1820 JON VERSION: REV NO: CHECKED: WD-01

SHEET: SCALE: 64

J0B#:



BRICK VENEER
GUTTER TO WALL JUNCTION DETAIL
NOT TO SCALE



JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

BRICK VENEER GUTTER TO WALL JUNCTION DETAIL

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193 ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA Subject to council approval
All measurements to be confirmed on site by the contractor prior to the commencement of work.
All construction to comply with the NZBC/NZS:3604, alongside with all standards alike.

NOTES:

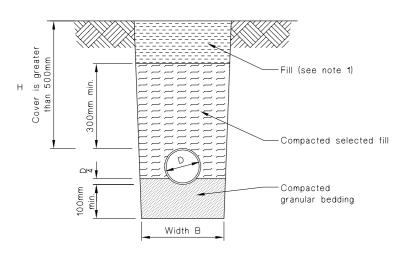
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	AMENDME	NT DATE:	DRAWN:	1:5
,	241210	.1820	JON	JOB#:
	VERSION:	REV NO:	CHECKED:	23071
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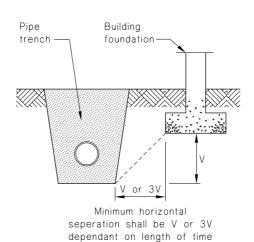
JON

00

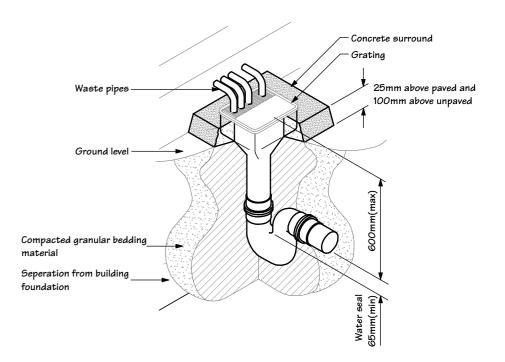
WD-01

5 #: 65



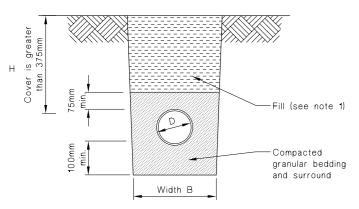


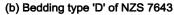
trench open, see Paragraph 5.6.1



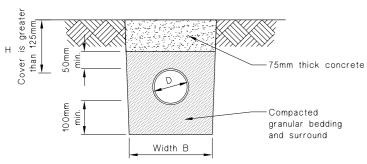
### (a) Bedding type 'B' of NZS 7643

Cover greater than 500mm

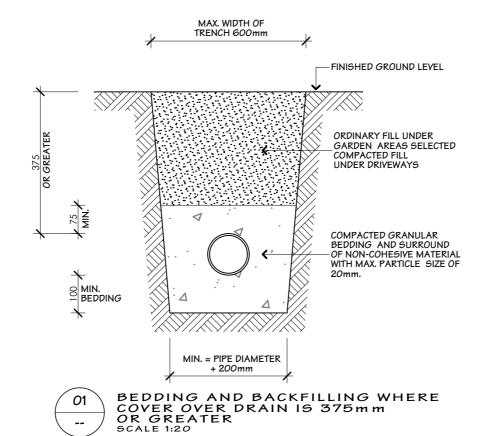


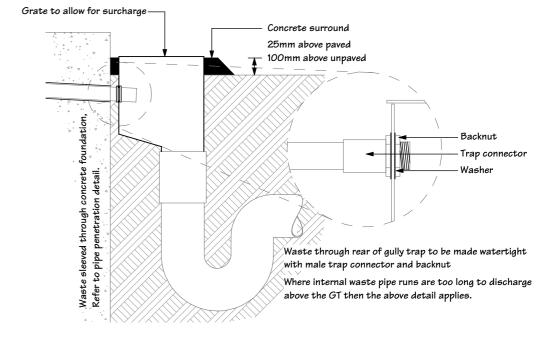


Cover greater than 375mm



(c) Cover between 125mm and 375mm









JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

DRAINAGE DETAILS

LEGAL DESCRIPTION:

LOT: 1-2

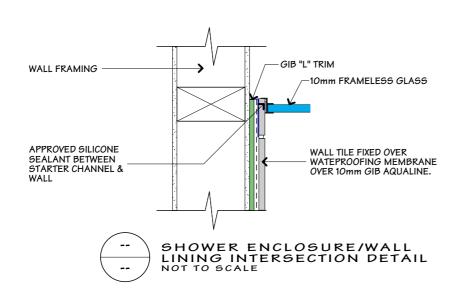
DP: 316193 ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA NOTES:

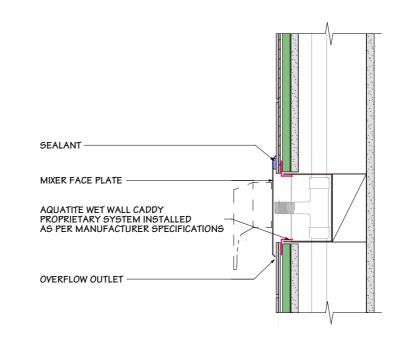
- Subject to council approval
- All measurements to be confirmed on site by the

All measurements to be confirmed on site by the contractor prior to the commencement of work.
 All construction to comply with the NZBC/NZ9:3604, alongside with all standards alike.

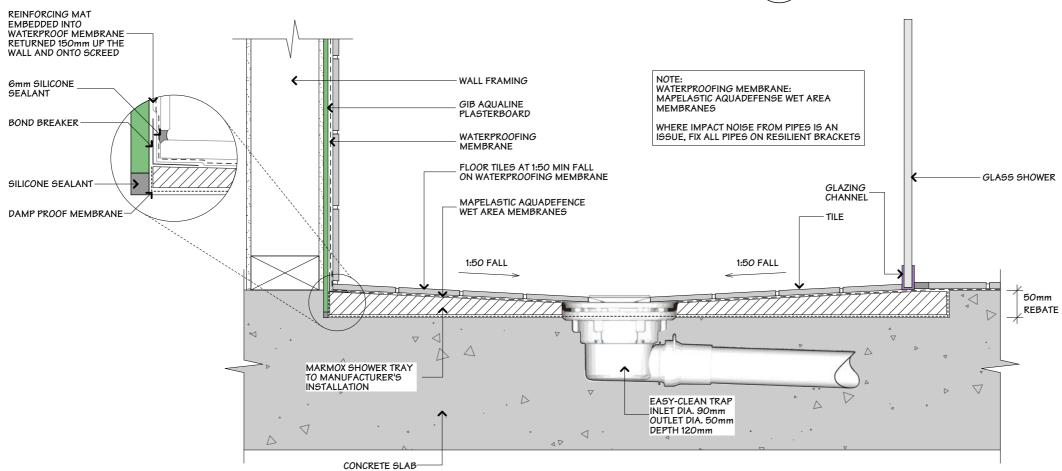
	DATE OF IS	SUE:	DESIGNER:	SCALE:
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	AMENDME	NT DATE:	DRAWN:	1:5
٠,	241210	.1820	JON	J0B#:
	VERSION:	REV NO:	CHECKED:	23071
	WD-01	00	JON	

бнеет: 66









RECESSED TILED SHOWER IN CONCRETE SLAB DETAIL NOT TO SCALE

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

WET AREA DETAILS

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

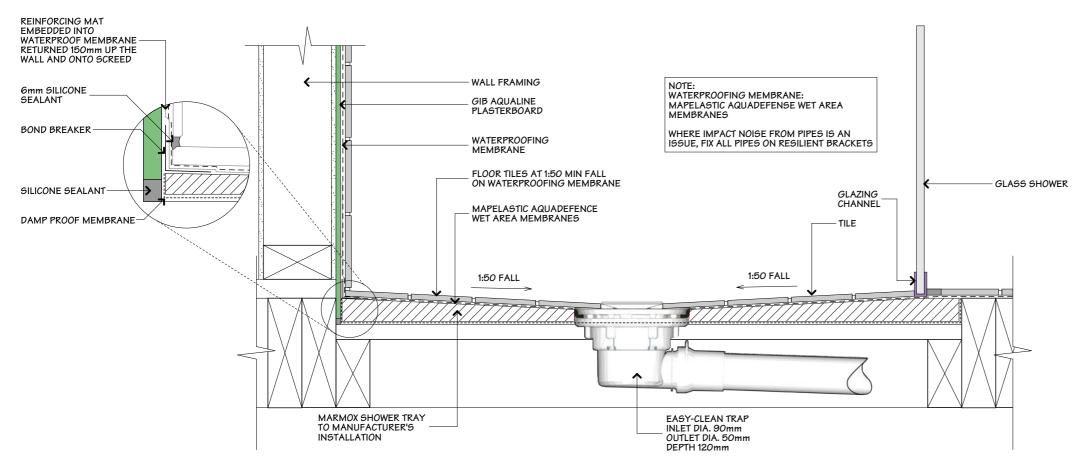
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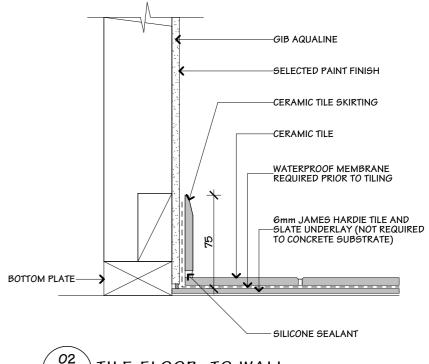
- Subject to council approval
- All measurements to be confirmed on site by the

contractor prior to the commencement of work. All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike.

DATE OF IS	SUE:	DESIGNER:	SCALE:
10 DE	C 24	HTC	1:5
AMENDMENT DATE:		DRAWN:	l:0
241210	.1820	JON	JOB#:
VERSION:	REV NO:	CHECKED:	23071
WD-01	00	JON	

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TILE FLOOR TO WALL
JUNCTION FOR CONTAINMENT
SCALE 1:10 (ZOOM 1:2)

RECESSED TILED SHOWER IN CONCRETE SLAB DETAIL

Heritage TIMBERCRAFT

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

WET AREA DETAILS

LEGAL DESCRIPTION: LOT: 1-2

DP: 316193 ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

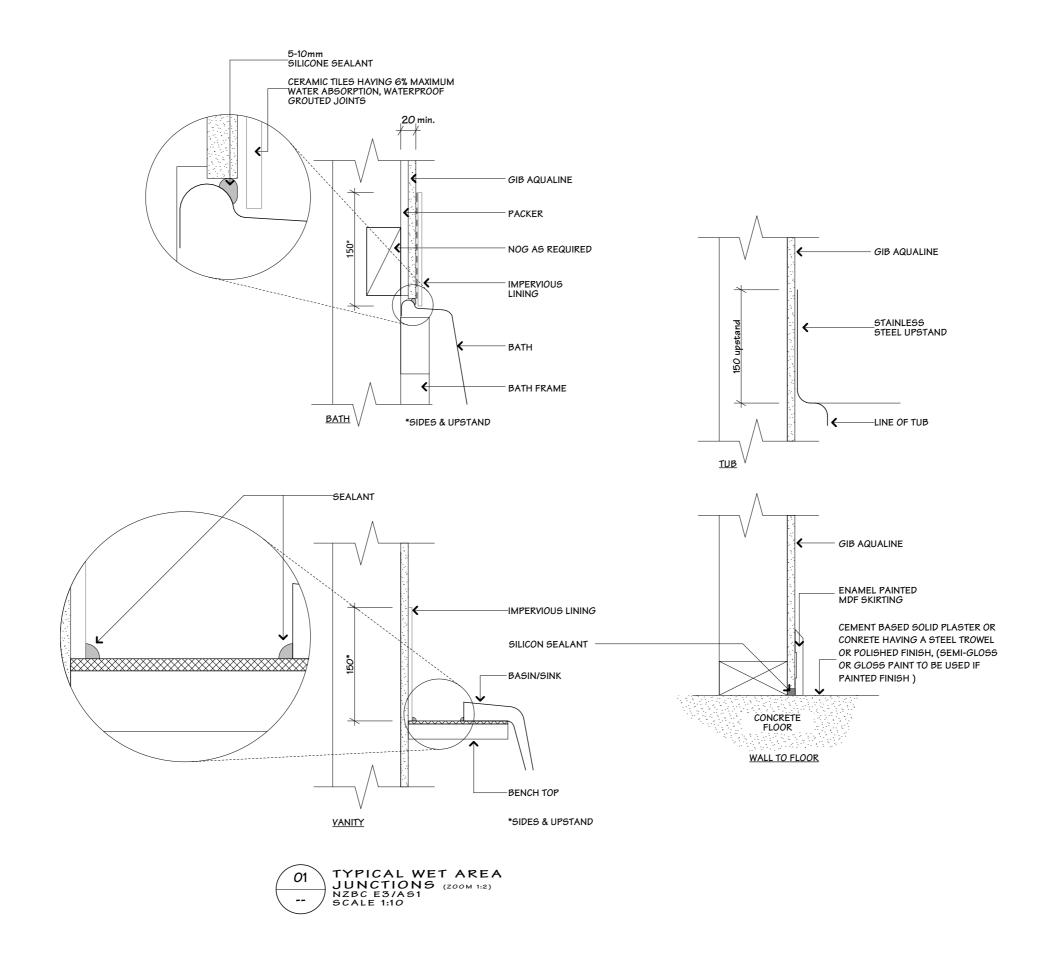
- Subject to council approval
- All measurements to be confirmed on site by the

contractor prior to the commencement of work.

- All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike.

	DATE OF IS	SUE:	DESIGNER:	SCALE:
	10 DE	C 24	HTC	1:5
	AMENDMEN	NT DATE:	DRAWN:	1:0
,	241210	.1820	JON	JOB#:
	VERSION:	REV NO:	CHECKED:	23071
	WD-01	00	l JON	

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Heritage TIMBERCRAFT

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

WET AREA DETAILS

LEGAL DESCRIPTION:

LOT: 1-2 DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA NOTES:

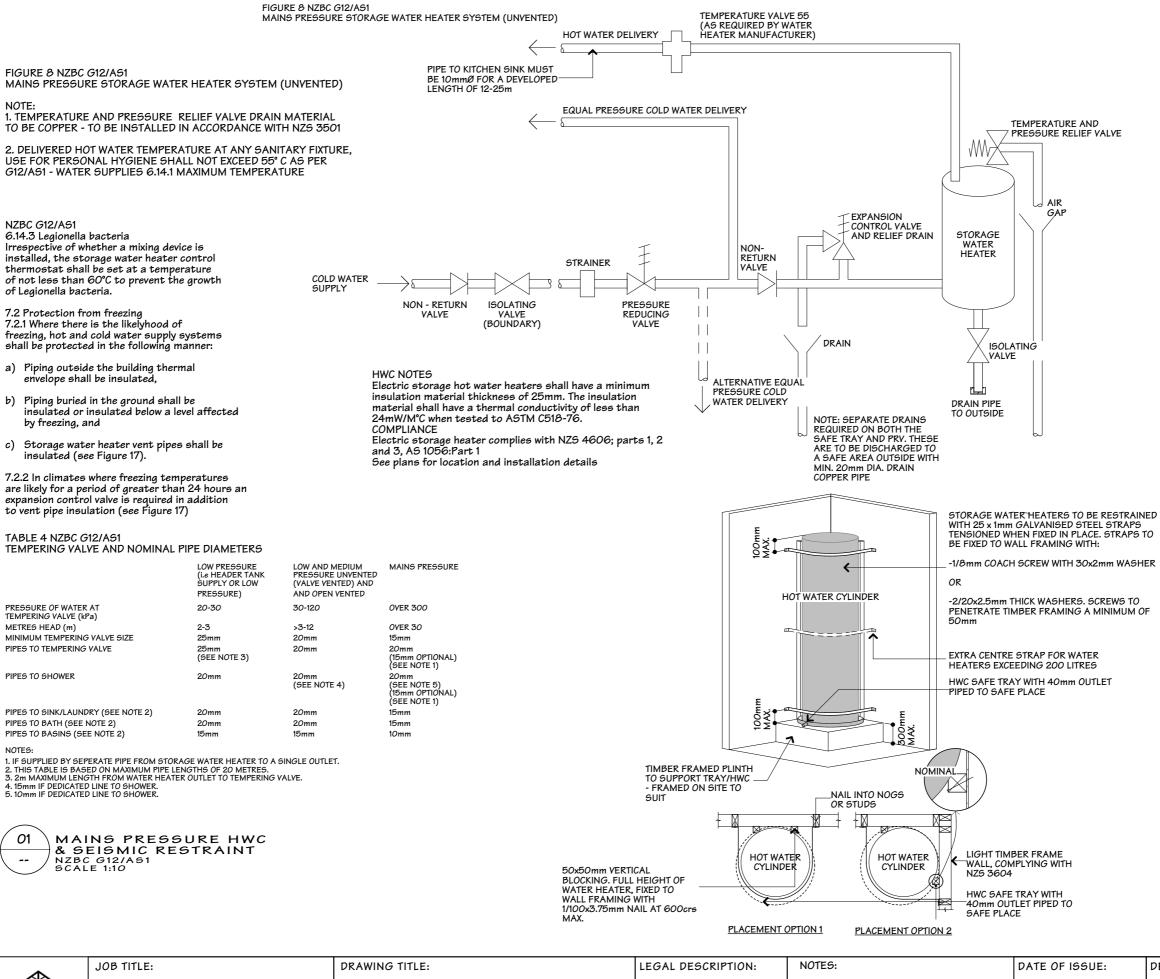
- Subject to council approval

- All measurements to be confirmed on site by the contractor prior to the commencement of work.

 All measurements to be confirmed on site by the contractor prior to the commencement of work.
 All construction to comply with the NZBC/NZ5:3604, alongside with all standards alike.

DATE OF ISSUE:		DESIGNER:	SCALE:
10 DE	C 24	HTC	1:5
AMENDMENT DATE:		DRAWN:	1:5
241210.1820		JON	J0B#:
VERSION:	REV NO:	CHECKED:	23071
WD-01	00	JON	=30

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Heritage

LOT: 1-2

DP: 316193

- Subject to council approval
- All measurements to be confirmed on site by the ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

DESIGNER: SCALE: HTC 10 DEC 24 1:5 AMENDMENT DATE: DRAWN: 241210.1820 JON J0B#: VERSION: REV NO: CHECKED: 23071 WD-01 00 JON.

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SHEET:

NATASHA WILLIAMS

HWC DETAILS

contractor prior to the commencement of work All construction to comply with the NZBC/NZS:3604 alongside with all standards alike.

-SPLASHBACK MATERIAL TO BE NON-COMBUSTIBLE -SPECIFIC MATERIAL TO BE CONFIRMED BY CLIENT

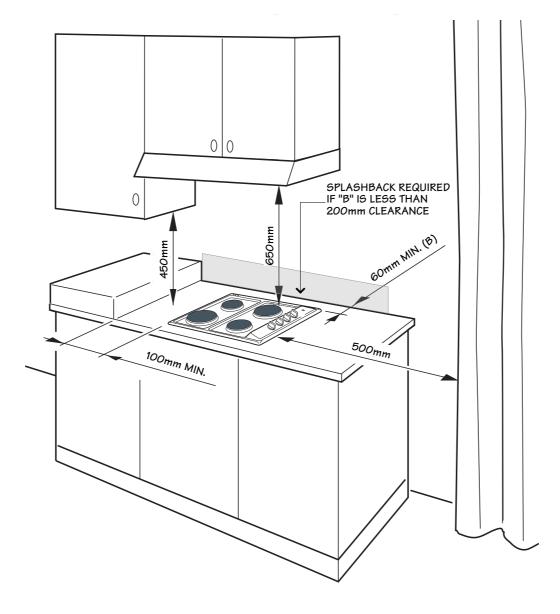


Fig. 2 CE604 models clearances

CLEARANCES TO COMBUSTIBLE SURFACES FOR ELECTRIC COOKTOP

Heritage A
TIMBERCRAFT

JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

COOKTOP DETAIL

DP: 316193 ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

LEGAL DESCRIPTION:

LOT: 1-2

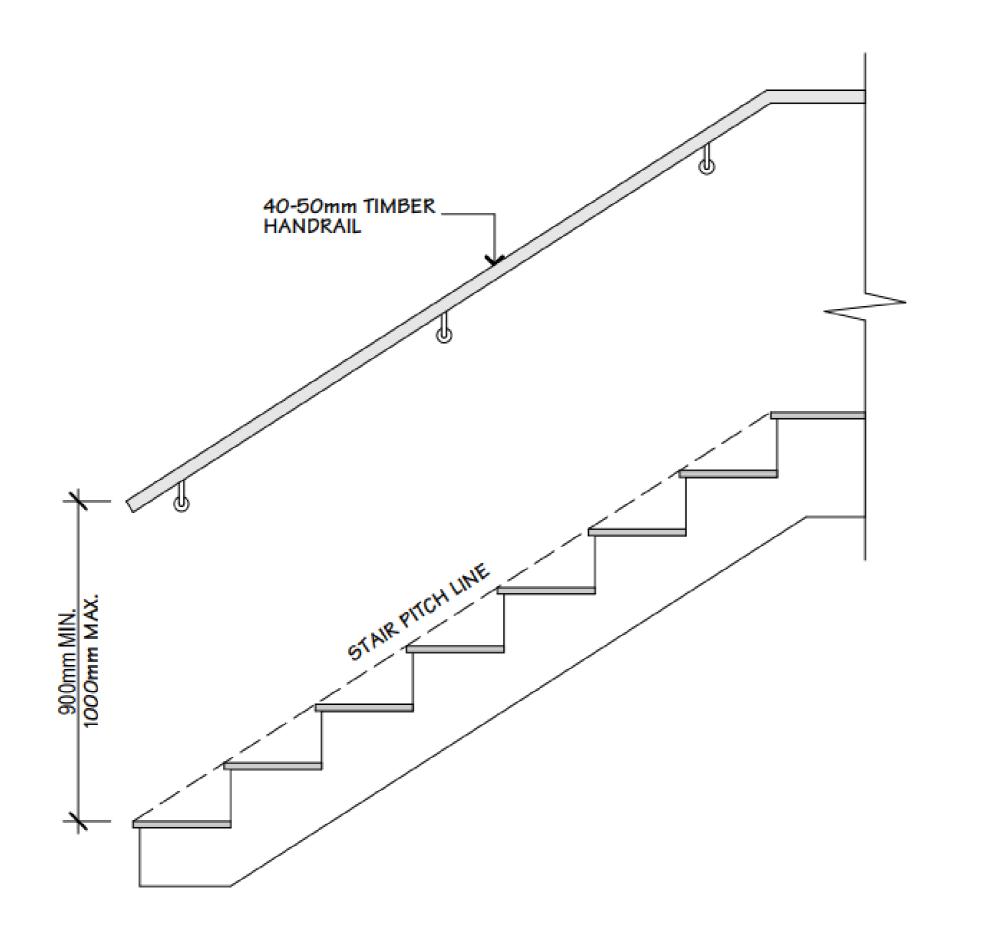
NOTES:

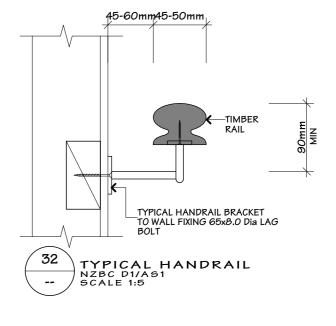
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- All construction to comply with the NZBC/NZS:3604, alongside with all standards alike.

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VERSION:	REV NO:	CHECKED:	23071
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JOB TITLE:

NATASHA WILLIAMS

DRAWING TITLE:

STAIR & HANDRAIL DETAILS

LEGAL DESCRIPTION:

LOT: 1-2

DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA

NOTES:

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DATE OF ISSUE: DESIGNER: SCALE: HTC 10 DEC 24 AMENDMENT DATE: DRAWN: 241210.1820 JON JOB#: VERSION: REV NO: CHECKED: 23071

# BRANZ H1/AS1 5<sup>th</sup> Edition Calculation Method Spreadsheet - Results

Version: 12 September 2024

Client Natasha Williams
Project name Natasha Williams Barn Home
Address 353 Dunstan Road, Alexandra
Designer Heritage Timbercraft
Date 07 December 2024

Territorial Authority Central Otago District Climate Zone 6

When submitted After 2 November 2023 Application Housing

Proposed Building		
	Area	Proposed Building Heat Loss
Element	(m²)	(W/K)
Slab Floors	259.8	113.4
Other Floors	0.0	0.0
Roof	259.8	34.9
Skylights	0.0	0.0
Walls	421.0	84.6
Glazing (walls & doors) (18.0% of total wall area)	92.4	110.0
Doors (opaque)	0.0	0.0
	1022.0	Total 2/12

Reference Building				
	Area	Reference Building Heat Loss		
Element	(m²)		(W/K)	
Slab Floors	259.8	1.7	152.8	
Other Floors	0.0	3.0	0.0	
Total Roof (includes skylight area)	259.8	6.6	39.4	
Walls (70% of total wall area)	359.4	2.0	179.7	
Glazing allowance (30% of total wall area)	154.0		308.0	
	1033.0		Total	67

Comparison of proposed building against the reference building

PASS

		Embed	Area Const	ruction R-value	Heat Loss
Element type	Description	heating?	(m²)	(m².K/W)	(W/K)
Slab Floors	SED Maxraft Foundation	No	259.8	2.29	113.4
2 Roof	215 NZSIP Roof Panel with	No	200.1	7.95	25.2
3 Roof	Rafter Frame with Metal	No	43.0	6.08	7.1
4 Roof	Truss Frame with Metal	No	16.7	6.30	2.6
5 Walls	165mm NZSIP Wall Panel	No	321.3	6.46	49.7
6 Walls	140mm Wall with Schist	No	30.6	2.88	10.6
7 Walls	140mm Wall with Brick	No	45.4	2.84	16.0
8 Walls	140mm Wall with Vertical	No	23.8	2.89	8.2
Glazing (walls & doors)	W01		2.9	0.84	3.4
Glazing (walls & doors)	W02		0.6	0.84	0.7
Glazing (walls & doors)	W03		1.0	0.84	1.2
Glazing (walls & doors)	W04		0.5	0.84	0.6
Glazing (walls & doors)	W05		4.8	0.84	5.7
Glazing (walls & doors)	W06		1.0	0.84	1.2
Glazing (walls & doors)	W07		2.5	0.84	3.0
Glazing (walls & doors)	W08		2.5	0.84	3.0
Glazing (walls & doors)	W09		4.8	0.84	5.7
8 Glazing (walls & doors)	W10		2.2	0.84	2.6
Glazing (walls & doors)	W11		2.2	0.84	2.6
Glazing (walls & doors)	W12		1.3	0.84	1.5

NATASHA WILLIAMS



Version: 12 September 2024

Client Natasha Williams
Project name Natasha Williams Barn Home
Address 353 Dunstan Road, Alexandra
Designer Heritage Timbercraft
Date 07 December 2024

Address	353 Dunstan Road, Alexandra			
Designer	Heritage Timbercraft			
Date	07 December 2024			
Territorial Authority	Central Otago District			Climate Zone
When submitted	After 2 November 2023			Application
Glazing (walls & doors)	W13	3.4	0.84	4.0
Glazing (walls & doors)	W14	0.7	0.84	0.9
Glazing (walls & doors)	W15	1.4	0.84	1.7
Glazing (walls & doors)	W16	2.5	0.84	3.0
Glazing (walls & doors)	W17	2.5	0.84	3.0
Glazing (walls & doors)	W18	2.0	0.84	2.4
Glazing (walls & doors)	W19	2.0	0.84	2.4
Glazing (walls & doors)	D01	3.2	0.84	3.8
Glazing (walls & doors)	D02	2.1	0.84	2.5
Glazing (walls & doors)	D03	10.1	0.84	12.0
Glazing (walls & doors)	D04	8.0	0.84	9.5
Glazing (walls & doors)	D06	5.5	0.84	6.6
Glazing (walls & doors)	D07	5.5	0.84	6.6
Glazing (walls & doors)	D08	5.5	0.84	6.6
Glazing (walls & doors)	D09	4.8	0.84	5.7
Glazing (walls & doors)	D10	6.9	0.84	8.2
<u> </u>				



JOB TITLE:

DRAWING TITLE:

H1 Calculation

LEGAL DESCRIPTION:

LOT: 1-2 DP: 316193

ADDRESS: 353 DUNSTAN ROAD, ALEXANDRA NOTES:

- Subject to council approval
   All measurements to be confirmed on site by the
- All measurements to be confirmed on site by the contractor prior to the commencement of work.
   All construction to comply with the NZBC/NZS:3604, alongside with all standards alike.

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241210.1820		JON	J0B#:
VERSION:	REV NO:	CHECKED:	23071
WD-01	00	JON	=30

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# Appendix C - McGregor's APA

## **Written Persons Approval for Resource Consent**



1 Dunorling Street PO Box 122, Alexandra 9340 New Zealand

+64 3 440 0056 info@codc.govt.nz www.codc.govt.nz

## (Form 8A) Section 95E(3), Resource Management Act 1991

Email to:

resource.consents@codc.govt.nz

Post to:

The Chief Executive

Central Otago District Council

PO Box 122 Alexandra 9340

TO BE COMPLETED BY THE PERSON(S) REQUESTING APPROVAL
Applicant Name: Natasha Williams
Type of resource consent (circle all appropriate): Land-use / subdivision
Proposed activity: Family Accommodation
Location of site: 353 Dunstan Road, Alexandra, 9391
CONTACT DETAILS OF AFFECTED PARTY  Full Name/s: (name of person giving written approval) Gordon Reid McGregor & Julie Rosalyn McGregor
gjmcgregor347@hotmail.com
Email Phone
Address of the property (I am the owner of the following property): 347 Dunstan Rd, RD1, Alexandra 9391
The full name of all other owners of the property: (owners of the affected property)
have authority to sign on behalf of all the other owners of the property:
☐ Yes ■ No other owners

■ No other owners

### NOTES

Conditional written approvals cannot be accepted.

There is no obligation to sign this form, and no reasons need to be given.

If this form is not signed, the application may be notified with an opportunity for submissions.

If signing on behalf of a trust or company, please provide additional written evidence that you have signing authority.

#### **DECLARATION**

Signature

- I have sighted all the attached plans and supporting information for the above activity.
- ■I have read the full application for resource consent, the Assessment of Environmental Effects, and any site plans as follows
- ■In signing this written approval, I understand that the consent authority must decide that I am no longer an affected person, and the consent authority must not have regard to any adverse effects on me
- I understand that I may withdraw my written approval by giving written notice to the consent authority before the hearing, if there is one, or, if there is not, before the application is determined.

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If you have any questions, please contact the Central Otago District Council by phoning 03 440 0056 or email resource.consents@codc.govt.nz