



Building Code Clause(s)...B1/VM1 ,B2/AS1.....

PRODUCER STATEMENT – PS1 – DESIGN

(Guidance notes on the use of this form are printed on page 2)

ISSUED BY:.....Lapish Enterprises Ltd

(Design Firm)

TO:... GlasVice Products Ltd

(Owner/Developer)

TO BE SUPPLIED TO:Auckland City

(Building Consent Authority)

IN RESPECT OF:Test to SLS and ULS of one CP80 1.5mm thick Angle Bracket for connecting Studs to timber plates

(Description of Building Work)

AT: Any where NZS3604 specifies 6kN fixings and for specific design in other cases. Where two CP80 brackets are used the SLS and design capacity can be doubled as set out below.

(Address)

LOT..... DP ... SO

We have been engaged by the owner/developer referred to above to provide The design capacity from tensile tests on three samples, analysis in accordance with Appendix B of AS/NZS1170. Results provide a SLS at 2mm displacement and a design capacity of 3.76kN and a design capacity of 9.53kN.The displacement of 10mm (maximum ULS was not reached due to limit of test equipment)

Bracket consists of a 28 x 85 x1.5 SS or Glav. Angle with 4/14gx45 Tec screws to plate and 6/14gx45 Tec screws to the stud.

Where two CP80 brackets are fixed either of a stud and to a plate or a rafter to top plate the SLS design load is 7.52 kN and the Design Capacity is 19.06kN.This exceeds 12kN where required by NZS3604.

..... services in respect of the requirements of

(Extent of Engagement)

Clause(s) ...B1VM1and B2/AS1 durability only as cover by related NZS material standards used in design.

.....of the Building Code for

All or Part only (as specified in the attachment to this statement), of the proposed building work.

The design carried out by us has been prepared in accordance with:

Compliance Documents issued by the Ministry of Business, Innovation & Employment...B1/VM1, B2/AS1

.....OR

(verification method / acceptable solution)

Alternative solution as per the attached schedule.....

The proposed building work covered by this producer statement is described on the drawings titled For the use of GlasVice CP80 and NO OTHER

.....and numbered

..... together with the specification, and other documents set out in the schedule attached to this statement.

On behalf of the Design Firm, and subject to:

(i) Site verification of the following design assumptions In compliance with NZS3604 or specific design for code loadings.....

(ii) All proprietary products meeting their performance specification requirements;

I believe on reasonable grounds that a) the building, if constructed in accordance with the drawings, specifications, and other documents provided or listed in the attached schedule, will comply with the relevant provisions of the Building Code and that b), the persons who have undertaken the design have the necessary competency to do so. I also recommend the following level of construction monitoring/observation:



CM1 CM2 CM3 CM4 CM5 (Engineering Categories) or as per agreement with owner/developer (Architectural)

I, Ernest B Lapish..... am:

CPEng 5078

.....#
(Name of Design Professional)

Reg Arch#

I am a Member of : IPENZ NZIA and hold the following qualifications: MICE FIPENZ
CPEng.....

The Design Firm issuing this statement holds a current policy of Professional Indemnity Insurance no less than \$200,000*.

The Design Firm is a member of ACENZ:

SIGNED BY Ernest B Lapish

..... ON BEHALF OF ...Lapish Enterprises Ltd

(Design Firm)

Date

13.3.18.....

(signature).....

Note: This statement shall only be relied upon by the Building Consent Authority named above. Liability under this statement accrues to the Design Firm only. The total maximum amount of damages payable arising from this statement and all other statements provided to the Building Consent Authority in relation to this building work, whether in contract, tort or otherwise (including negligence), is limited to the sum of \$200,000.*

This form is to accompany **Form 2 of the Building (Forms) Regulations 2004** for the application of a Building Consent.

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