

Generic Structural Design Certificate LEVELMASTER – Stair Stringers

01/05/2024

To whom it may concern,

We, **PEER Consulting Engineers** certify that we have designed and reviewed the LevelMaster Stair Stringers as detailed on the listed drawing below, and they have been designed in accordance with widely accepted engineering principles and the referenced codes of practice. This certificate is limited to the structural design only and no responsibility is taken for any loss, damage or failure resulting from the method of construction or wind exceeding the design wind rating nominated.

Referenced Codes of Practice and Manuals:

NCC 2022 Building Code of Australia
AS 1170.0 2002 Structural design action – General principals
AS 1170.1 2002 Permanent, Imposed and Other Actions
AS 1170.2 2021 Structural Design Actions – Wind Actions
AS 4100 2020 Steel Structures

Referenced Design Documents:

PEER Consulting Engineers Pty Ltd – Drawing Set PCE2247.3 – Rev 0, MAY 2024

PEER Consulting Engineers maintains indemnity insurance concordant with the scope of the undertaken works to the satisfaction of its Client; however, our involvement in this shall in no way be construed of relieving other parties of their legal obligations.

If you require any further information, please do not hesitate to contact us at any time.

Sincerely,



Mengting (Nike) Zhao

B.Eng (1ST Class Hons.) MIEAust, RPEQ, RPEng

Director/

Principal Civil and Structural Engineer

***This certificate expires on 30/04/2025.**

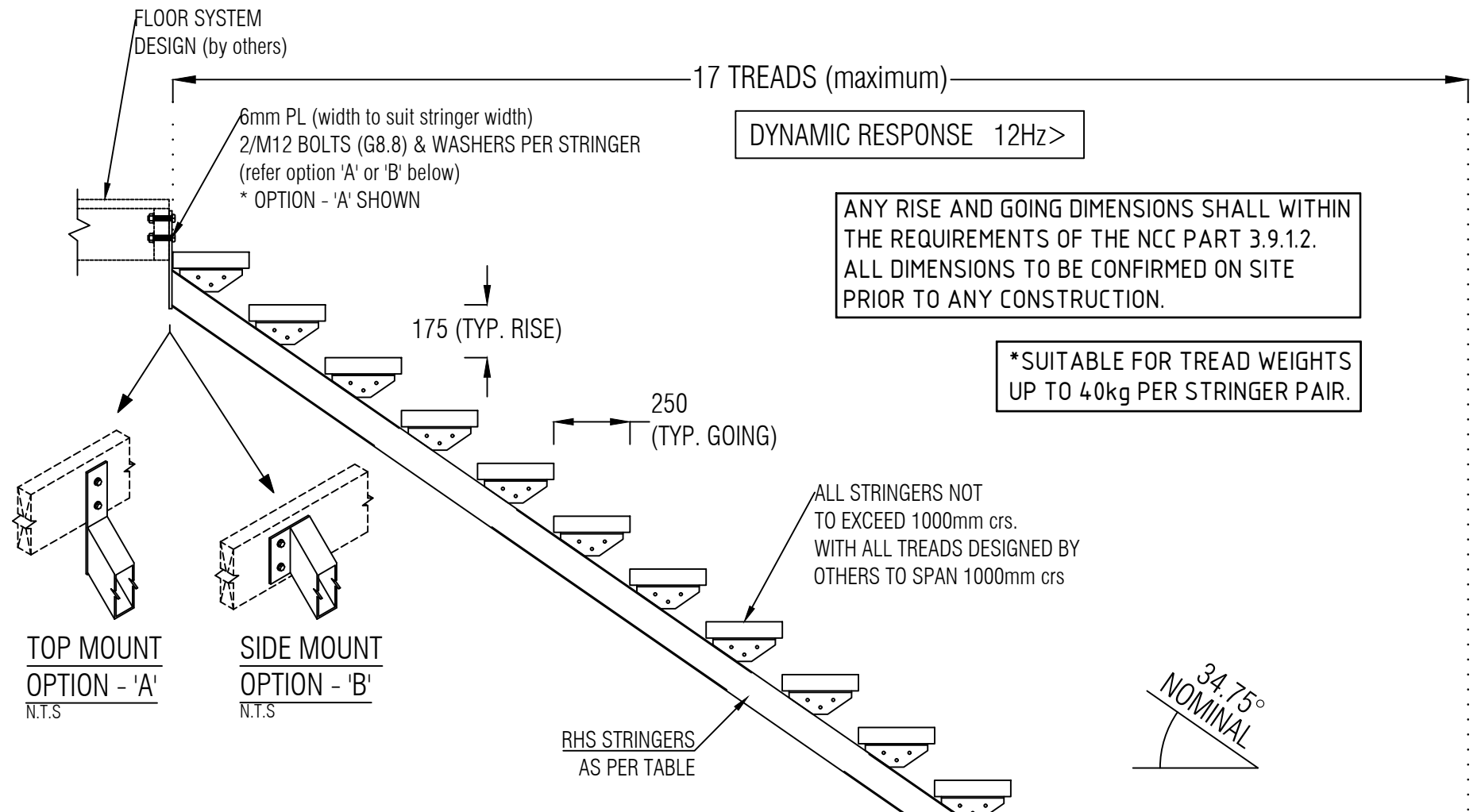
GENERAL NOTES

- 1 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS, SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ALL DISCREPANCIES SHALL BE REFEREED TO THE SUPERVISING OFFICER FOR DECISION BEFORE PROCEEDING WITH THE WORK.
- 2 NO RESPONSIBILITY WILL BE TAKEN BY THE CONSULTING ENGINEER FOR DIMENSIONS OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
- 3 ALL DIMENSIONS SHALL BE VERIFIED ON SITE BY THE CONTRACTOR WHO SHALL BE RESPONSIBLE FOR THEIR CORRECTNESS. ALL DIMENSIONS IN THESE DRAWINGS ARE APPROXIMATE AND ARE FOR THE SOLE PURPOSE OF ASSISTING THE STRUCTURAL DOCUMENTATION.
- 4 THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE AND NEIGHBOURING STRUCTURES IN A SAFE AND STABLE CONDITION DURING CONSTRUCTION. NO PART SHALL BE OVERSTRESSED.
- 5 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT S.A.A. CODES AND THE BY-LAWS AND ORDINANCES OF THE RELEVANT GOVERNMENT AUTHORITY.
- 6 HANDRAILS AND FIXINGS SHALL BE DESIGNED AND INSTALLED TO RESIST LOADS TO AS1170 WITH STRUCTURAL ENGINEERING CERTIFICATION SUPPLIED BY THE MANUFACTURER.
- 7 PROPRIETARY ITEMS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION.

STRUCTURAL STEELWORK NOTES

- S1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 4100.
- S2 ALL MEMBERS TO BE HOT DIPPED GALVANISED OR DURAGAL WITH ALL WELDS TO BE COLD GAL TREATED.

*RHS STRINGERS PER TREAD AMOUNT	
STRINGER MATERIAL	No. OF TREADS PER STRINGER SET
100x50 RHS 3.0	1 - 10 TREADS
125x75 RHS 3.0	11 - 14 TREADS
125x75 RHS 5.0	15 - 17 TREADS
ALL STRINGERS PLACED AT 1000mm CRS. MAX.	

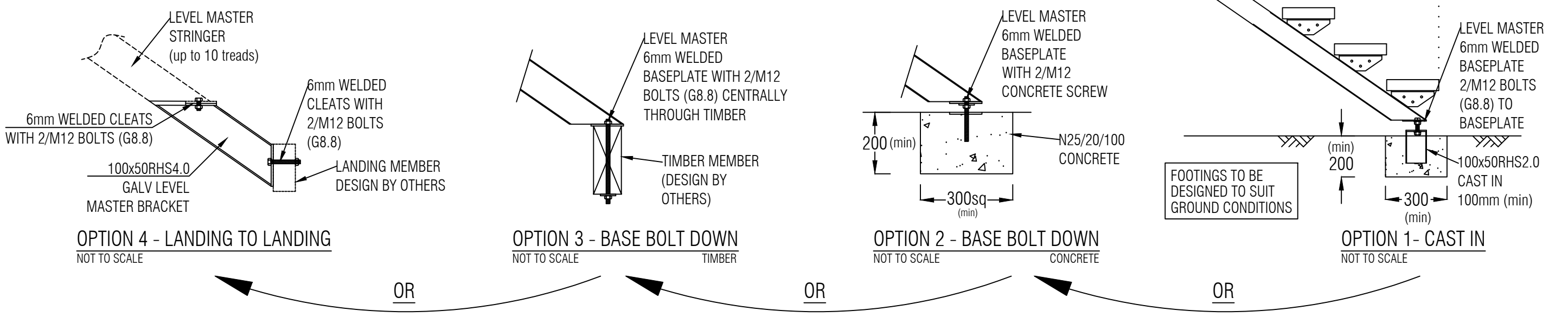


ANY RISE AND GOING DIMENSIONS SHALL WITHIN THE REQUIREMENTS OF THE NCC PART 3.9.1.2. ALL DIMENSIONS TO BE CONFIRMED ON SITE PRIOR TO ANY CONSTRUCTION.

*SUITABLE FOR TREAD WEIGHTS UP TO 40kg PER STRINGER PAIR.

TYPICAL STAIR ELEVATION

SCALE 1:20



DO NOT SCALE FROM DRAWING
ALL SCALES ARE AS SHOWN (A3)

*ORIGINAL DATA PROVIDED BY SUMMERMORE Pty Ltd.

REV.	DESCRIPTION	DATE	INIT.
A	PRELIMINARY ISSUE	MAY 2023	J.L.
0	FOR CERTIFICATION	MAY 2023	J.L.



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CLIENT
LEVEL MASTER

PROJECT
GENERIC STAIR STRINGERS

TITLE
STAIR ELEVATION & STRINGERS TABLE

DRAWN	DESIGNED	DATE
J.L.	-	MAY 2023
CHECKED	APPROVED	
N.Z.		
DRAWING No.	REV.	
PCE2247.3 - S01	0	