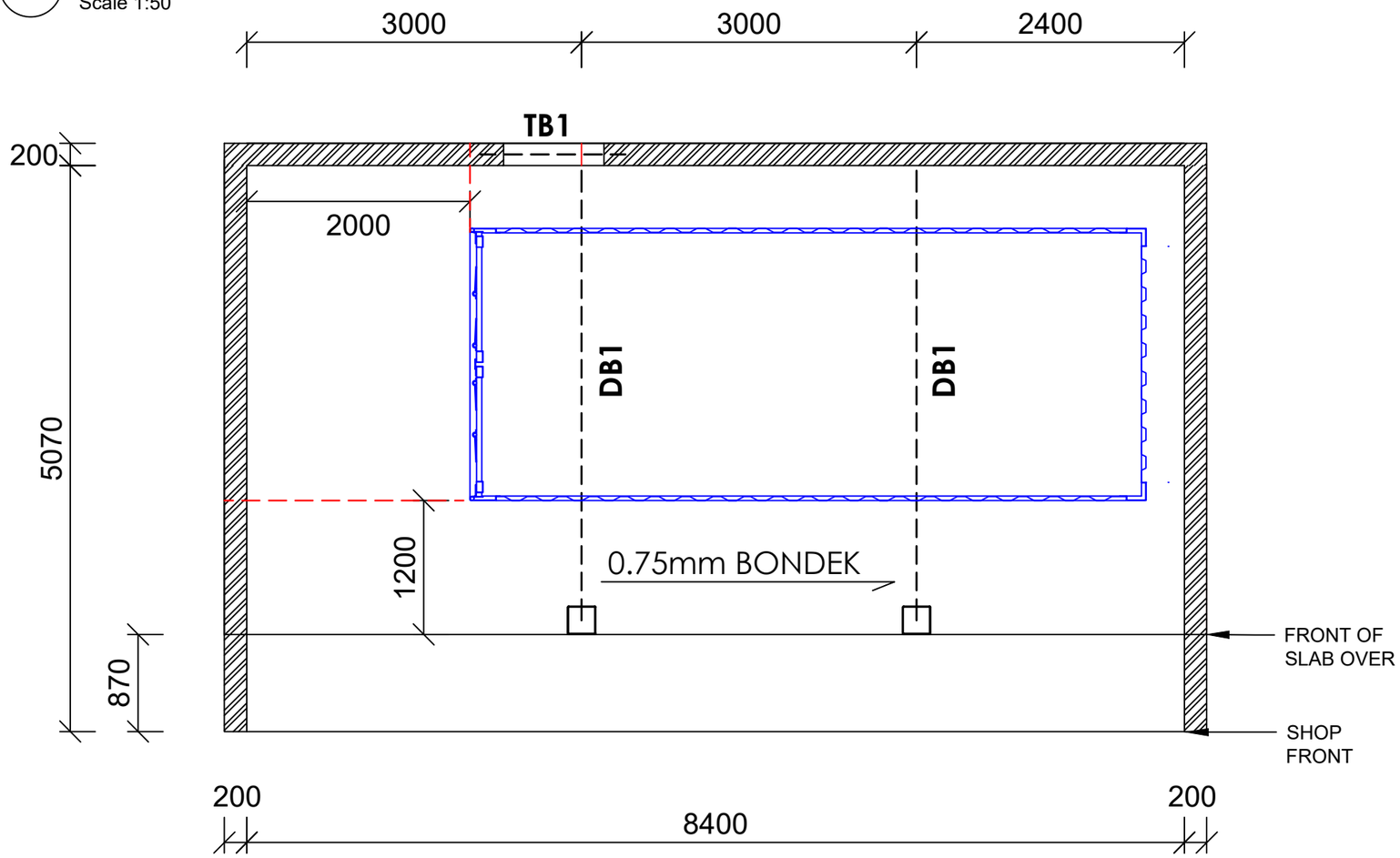
S01 **DESIGN CHECK FOR STRUCTURAL ADEQUACY**

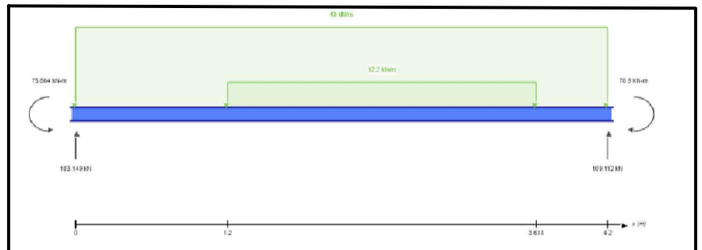
Scale 1:50



LOAD CHECK - PLACEMENT OF 'CONTAINER KITCHEN' OVER THREDBO VALLEY TERMINAL SKI TUNING SHOP.

LOADS APPLIED TO EXISTING STRUCTURE
GROUND SNOW LOAD (ALTITUDE 1375m) - 6.5KPa
PEDESTRIAN & LIGHT VEHICLE TRAFFIC - 5KPa
SELF WEIGHT OF SLAB AND STRUCTURE
CONTAINER KITCHEN, EQUIP., & STOCK 8000 Kg

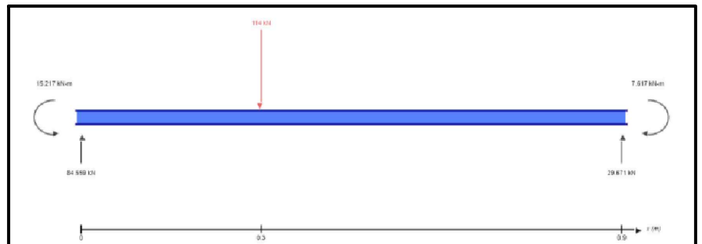
DESIGN CHECK - DB1 - 310UB46 DECK BEAMS



RESULT SUMMARY

Check	Status	Limit	Ratio	Max
Deflection	PASS	L/250	0.13	L/1925
Custom Stress Limit	PASS	250 MPa	0.484	121.112 MPa
Material Yield	PASS	260 MPa	0.466	121.112 MPa
Material Strength	PASS	410 MPa	0.295	121.112 MPa

DESIGN CHECK - TB1 - 200 x 100 x 6 TRANSFER BEAM/LINTEL (MEMBER ROTATED 90°)



RESULT SUMMARY

Check	Status	Limit	Ratio	Max
Deflection	PASS	L/250	0.082	L/3058
Custom Stress Limit	PASS	250 MPa	0.537	134.287 MPa
Material Yield	PASS	260 MPa	0.516	134.287 MPa
Material Strength	PASS	410 MPa	0.328	134.287 MPa

THE EXISTING STRUCTURE IS CONSIDERED STRUCTURALLY ADEQUATE FOR THE PROPOSED LOADS TO BE APPLIED BY THE CONTAINER KITCHEN AND IT'S OPERATION.

DUE TO THE UNKNOWN CONCRETE DECK REINFORCEMENT, IT IS ADVISED THAT THE STRUCTURAL ENGINEER SUPERVIDE THE PLACEMENT OF THE CONTAINER AND INSPECT THE CONCRETE ANNUALLY.

NOTE: THE REINFORCEMENT ARRANGEMENT OF THE CONCRETE SLAB IS UNKNOWN. DESIGN CHECKS HAVE BEEN UNDERTAKEN ON THE KNOWN PARAMETERS ONLY.

MIN SLAB THICKNESS & STRENGTH - 130mm 25MPa. EXISTING SLAB 200mm THICK - OK
BONDEK MIN BMT - O.75mm. EXISTING SLAB BONDEK 0.75mm - OK

DESIGN CHECKED AND CERTIFIED BY
ANSARY CONSULTING ENGINEERS
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Signed: Date: 09/06/2023

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Project: 'CONTAINER KITCHEN' AVALANCHE COFFEE STATION, VALLEY TERMINAL THREDBO NSW 2625	Draftsman: PAUL LARKIN Contact: 0429 071 387	Drawing Title: STRUCTURAL ADEQUACY CHECK		SIZE: A3
Client: STEVE ASHE	Checked: TEA / DATE: 04/05/23	Drawing Number: S01 / Revision: A / Sheet 1 of 1		AS 1100 / SCALE: 1 : 100