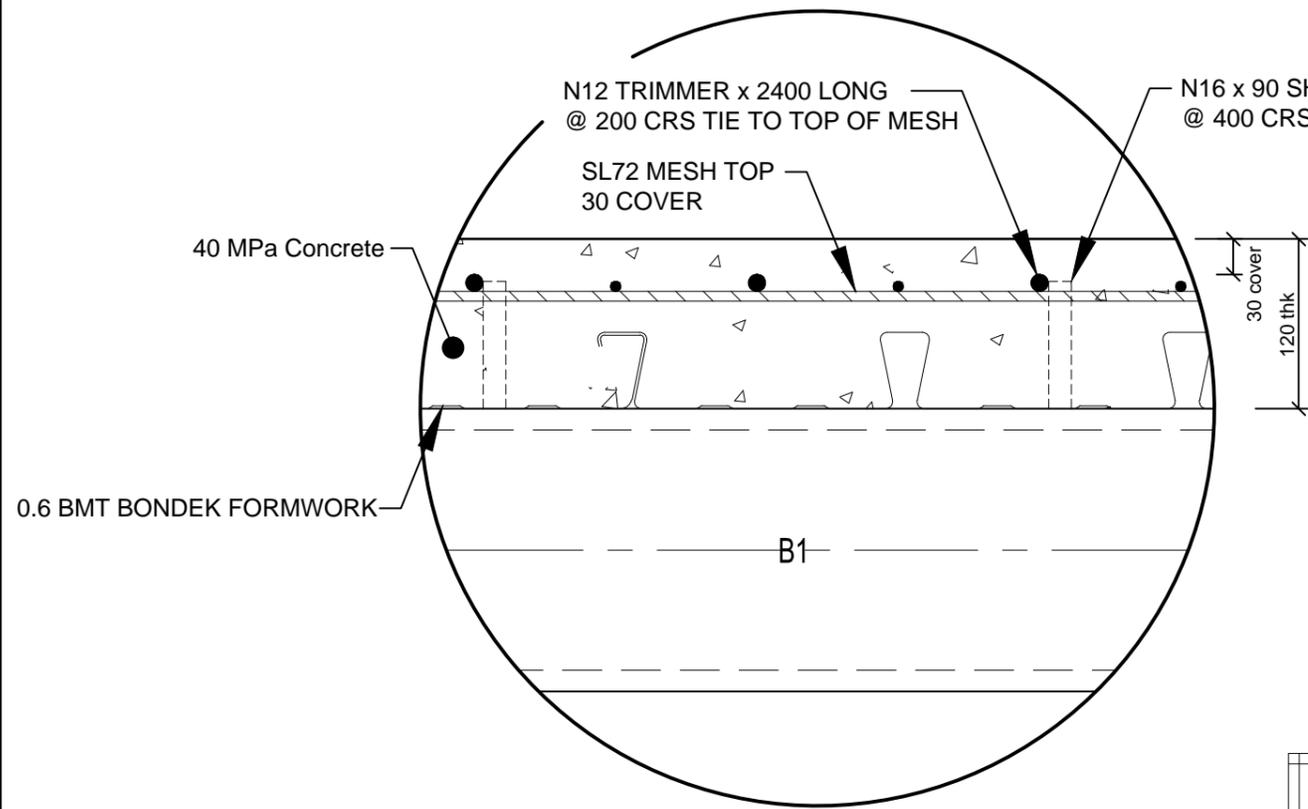
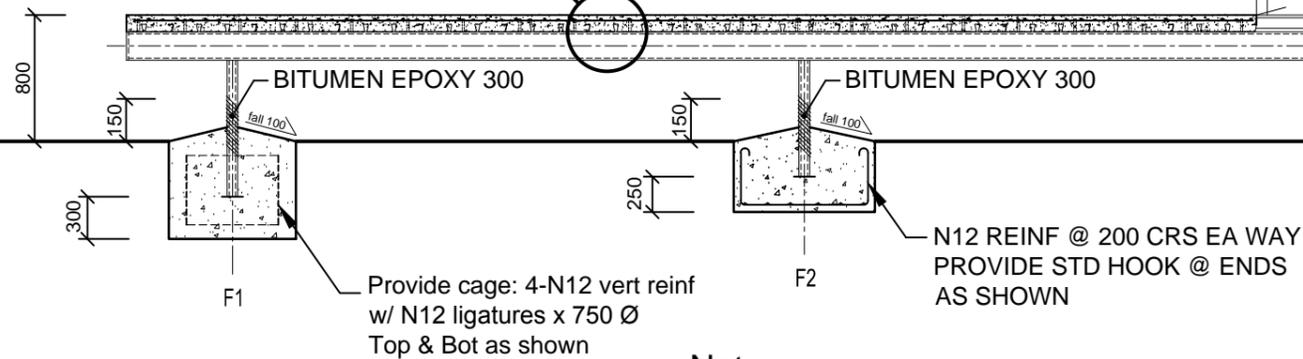
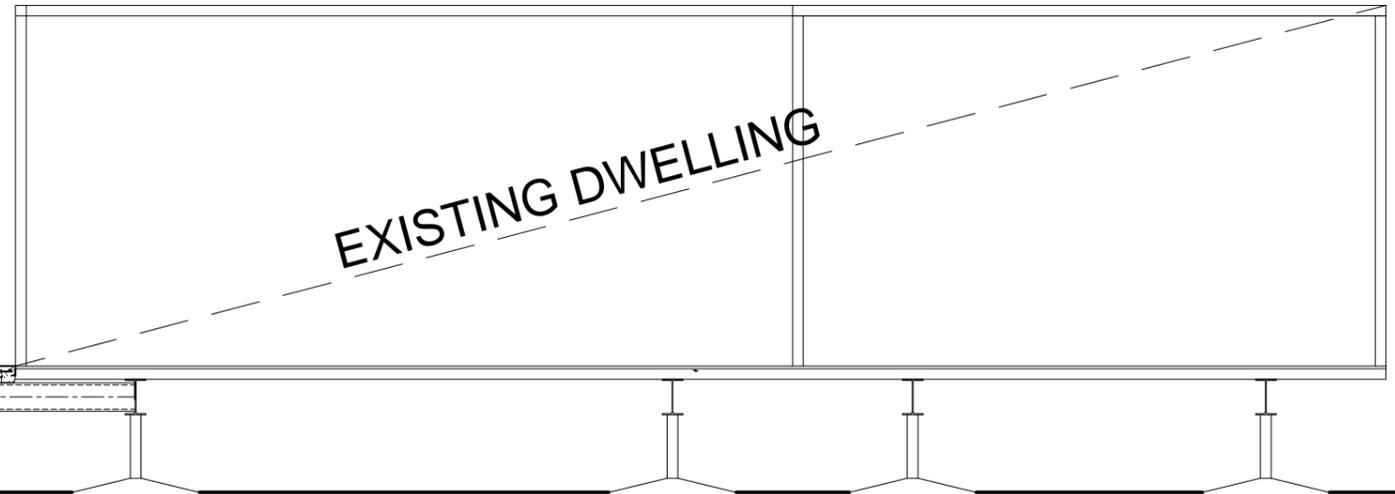


Note:
 PAINT U/S OF BONDEK, BEARER & PIERS
 WITH EPIREZ 215: 2 PART EPOXY



SUSPENDED CONC DECK

DETAIL 1
 SCALE: 1:5
 TYPICAL



Note:
 PROVIDE 200 x 10 BASEPLATE
 TO PIERS AS SHOWN

GENERAL ARRANGEMENT

SECTION A
 SCALE: 1:50
 TYPICAL

No.	DESCRIPTION	DATE	NAME	DEPT./COMPANY
-	ISSUE FOR STRUCTURAL APPROVAL	19-05-2018	MC	NTCE
AMENDMENTS				

NT Consulting Engineers
 N.T. Consulting Engineers
 ABN 73 102 631 186
 P.O. Box 900
 COOLALINGA 0839
 Northern Territory, Australia
 www.ntconsultingengineers.com.au

Mobile: 0427 411 633 Email: ntce@westnet.com.au
 Reg No: 21133ES

DRAWN OATS DATE 19-05-2018	CHECKED MC DATE 19-05-2018
DESIGNED MC DATE 19-05-2018	CHECKED AH DATE 19-05-2018
DESIGN PROJECT LEADER - DATE 19-05-2018	PROJECT OFFICER MTUCKWELL DATE 19-05-2018

STRUCTURALLY CONCURRED	DATE 19-05-2018
------------------------	-----------------

PROPOSED CONCRETE DECK MICHAEL TUCKWELL LOT 3650(4890) FOG BAY Rd., DUNDEE FOREST SECTION A					
FILE No. -	ASSET No. -	SHEET No. S04 OF S05	DRAWING No. V894372-S04	AMEND. -	SHEET SIZE A3

**NORTHERN TERRITORY OF AUSTRALIA
BUILDING ACT
SECTION 40 – CERTIFICATE OF COMPLIANCE – STRUCTURAL DESIGN**

All sections must be completed – mark N/A to any question that does not apply

PROPERTY / PROJECT DETAILS	
Owner (if known):	
Lot/Portion Number:	Address:
Location: Dundee Forest	Town / Hundred : Glyde
Description of works :	
Proposed Concrete Deck	

DOCUMENTS ATTACHED
Drawing Nos: NTCE Dwg No.'s V894372-S01:S05
Other:

DESIGN BASIS (please list relevant Standards used in the design)			
AS1170, AS4100, AS3600, AS3700, AS4600, AS AS2870, AS1554, AS1312, AS3850			
Class of Building (BCA): 1a	Type of Construction (BCA volume 1 §C1.1): (eg. Type A fire-resisting construction) n/a		
Building Importance Level (BCA Table B1.2a): II	Annual Probability of Exceedance for Wind (BCA Table 1.2b): 1 in 500		
Region: C	Regional ultimate wind speed V_R (m/s): 69	Terrain Category: 2.5	Reference height (m): 0.8
$M_{z,cat}$: 0.88	M_s : 1.0	M_t : 1.0	V_{desg} Design Wind Speed at reference height (m/s): 61
Internal Pressure Coefficients ($C_{p,i}$):	To AS 1170.2 Section 5.3 & Table 5.1		
External Pressure Coefficients ($C_{p,e}$)	Walls	To AS 1170.2 Section 5.4 & Appendix C	
	Roof	To AS 1170.2 Section 5.4 & Appendix C	
Net Pressure Coefficients: ($C_{p,n}$)	Roof / Walls	To AS 1170.2 Appendix D	
Imposed Loads, kPa	Floor / Roof	To AS 1170.1	
Earthquake Design Category, EDC (Table 2.1 of AS 1170.4): n/a			
Annual Probability of Exceedance for Earthquake Actions (BCA Table 1.2b): n/a			
Importance Level (BCA): n/a		Hazard Factor, Z (Section 3): n/a	
Safe Foundation Bearing Capacity, kPa: 100		Class of Sub-Soil (Section 4): n/a	
Site classification (AS2870): S to be confirmed prior to construction			

COMMENTS / EXCLUSIONS (Exclusions to this Certificate must be clearly identified).
The following items are excluded and shall be certified separately:
Comments:
<ul style="list-style-type: none"> The site shall be verified by a qualified Geotechnical Engineer as being Class 'S' prior to construction All expired or withdrawn DTC noted on attached the documents are covered by this certificate as being structurally acceptable

CERTIFICATION BY STRUCTURAL ENGINEER			
Company Name if certification issued on behalf of a corporation		Company NT Registration Number	
I certify that reasonable care has been taken to ensure that the structural engineering aspects of the works as described above have been designed in accordance with the requirements of the Building Code of Australia and the Northern Territory Building Regulations.			
Name (see *below)	Nominee/Individual NT Registration Number	Signature	Date
Michael Cooper	21133ES		25 June, 2018

* Name and registration number of nominee signing on behalf of the company or if no company, name of individual issuing certification.

SCHEDULE OF STRUCTURAL INSPECTIONS REQUIRED

Inspection of construction is required at the stages indicated below.

- 1. Completion of site preparation/site filling/excavations for footings prior to placement of any reinforcement or concrete.
- 2. Completion of preparations for placing of concrete strip footings including placement of reinforcement.
- 3. Completion of preparations for placing concrete slabs including compaction of fill and sand blinding, placement of formwork, reinforcement, starter bars and cast in items.
- 4. Completion of preparations for placing of concrete pier footings including reinforcement (if any).
- 5. Starter bars and cast in items after placing of concrete and prior to any covering up work.
- 6. Reinforcement to walls completed prior to core filling (inspection holes and cleanout cores to be completed).
- 7. Structural steelwork and cold formed steelwork completed and prior to any covering up work. Floor framing system completed before floors are laid or underside is lined.
- 8. Suspended concrete floor slabs with formwork, reinforcement and cast in items completed, prior to placing of concrete.
- 9. Wall framing or blockwork wall core filling completed (with windows fixed in place) and roof framing with connections completed and prior to sheeting or lining.

Note: Prior lodgement of truss manufacturer's drawings, details and certification required.
 Prior lodgement of windows manufacturer's drawings including fixings and certification required.
- 10. Structural wall linings completed and prior to any covering up work.
- 11. Final inspection upon completion of all structural work including fixings of external roof and wall claddings, flashings, barges & vents.
- 12. Other Inspections as required by the building permit

Important Information:

- 1) The above inspections are required to be carried out by either the certifying engineer or the building certifier who issued the Building Permit for the work. (If no inspections are indicated refer to the certifying engineer for advice).
- 2) Where works are prescribed building works under the *NT Building Act*, the building certifier must be provided with a copy of the inspection record and no further works must be carried out by the builder until the building certifier issues a release to proceed with further works.
- 3) Additional non structural inspections may be required during the course of construction before the issue of an Occupancy Permit (refer to building certifier for requirements).
- 4) Failure to obtain inspections may prevent the issue of an Occupancy Permit upon completion of the building works.

Note:

STAIRS TO BE CONSTRUCTED IN ACCORDANCE WITH THE BUILDING CODE of AUSTRALIA. ENSURE STAIR RISERS & GOINGS REMAIN CONSTANT BETWEEN LANDINGS

Note:

PAINT ALL EXPOSED STEEL WORK WITH EPIREZ 215: 2 PART EPOXY OR APPROVED EQUIV.

RISER 190 MAX
115 MIN

GOING 355 MAX
240 MIN

QUANTITY 700 MAX > (2R + G) > 550 MIN

Note:

10 BASEPLATE TO STRINGER
PROVIDE N12 LUG, COG 50: PLUG & FW TO B/P - GALVANISE ASSEMBLY (500 gsm)

SL72 MESH: 30 TOP COVER
FOLD MESH AS SHOWN

0.2 WPM ON 50 SAND BED ON
150 LAYERS MAX. OF
COMPACTED FILL TO 95%
MMDD

NOMINAL 300 DEEP x 300 WIDE
EDGE THICKENING FOR FULL
PERIMETER OF LANDING

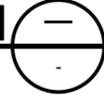
60 thk F17 HW TIMBER STAIR
TREADS. 2-M12 CUPHEAD
BOLTS TO 50 x 4 EA CLEAT

150D x 200W x 10 thk ENDPLATE
M12 C/A TO DECK EA SIDE OF
STRINGER FIX TO DECK w/ HILTI
HIT RE 500 C/A (60 EMBEDMENT)

150 x 50 x 4 RHS STRINGER

BEARER AS SCHEDULED

STAIRS

SECTION 

SCALE: 1:10
TYPICAL

F1

-	ISSUE FOR STRUCTURAL APPROVAL	19-05-2018	MC	NTCE
No.	DESCRIPTION	DATE	NAME	DEPT./COMPANY.
	AMENDMENTS			

NT Consulting Engineers

Mobile: 0427 411 633 Email: ntce@westnet.com.au

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ABN 73 102 631 186
P.O. Box 900
COOLALINGA 0839
Northern Territory, Australia
www.ntconsultingengineers.com.au

STRUCTURALLY CONCURRED
Reg No: 21133ES

DRAWN
OATS
DATE 19-05-2018
DESIGNED
MC
DATE 19-05-2018
DESIGN PROJECT LEADER
-
DATE 19-05-2018

CHECKED
MC
DATE 19-05-2018
CHECKED
AH
DATE 19-05-2018
PROJECT OFFICER
MTUCKWELL
DATE 19-05-2018

PROPOSED CONCRETE DECK

STAIRS

FILE No.	ASSET No.	SHEET No.	DRAWING No.	AMEND.	SHEET SIZE
-	-	S05 OF S05	V894372-S05	-	A3