

FRANCES BAY DRIVE

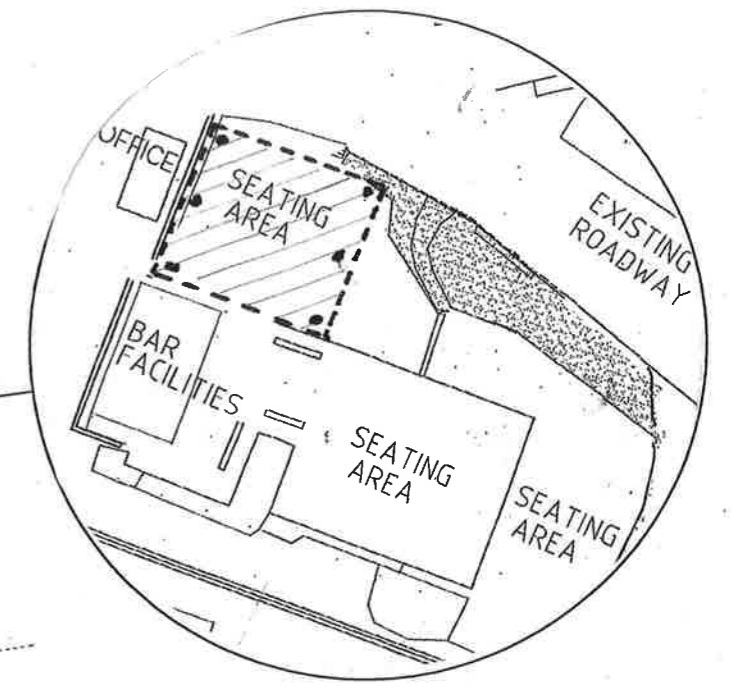
PROPOSED CANOPY
(OPEN CANOPY OVER EXISTING SEATING AREA)

SEC. 6475

75m
APPROX.

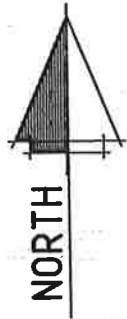
14m
APPROX.

TIDAL WATER LINE



LOCALITY PLAN NTS.

DEVELOPMENT DETAILS	
OCCUPANCY:	EXISTING SEATING AREA
ADDITIONAL ROOF AREA :	120 SQM.
ADDITIONAL FLOOR AREA :	NIL



SITE PLAN SCALE 1:1000



= EXISTING MEDIUM TO DENSE, SEATING AREA
 = PERIMETER LANDSCAPE GARDEN AREA SHOWN

0.55 BMT ROLLED COLORBOND/ZINC BARGE CAPPING
FIXED, W/-No.14 TEKS AS PER MANUF. SPECIF.

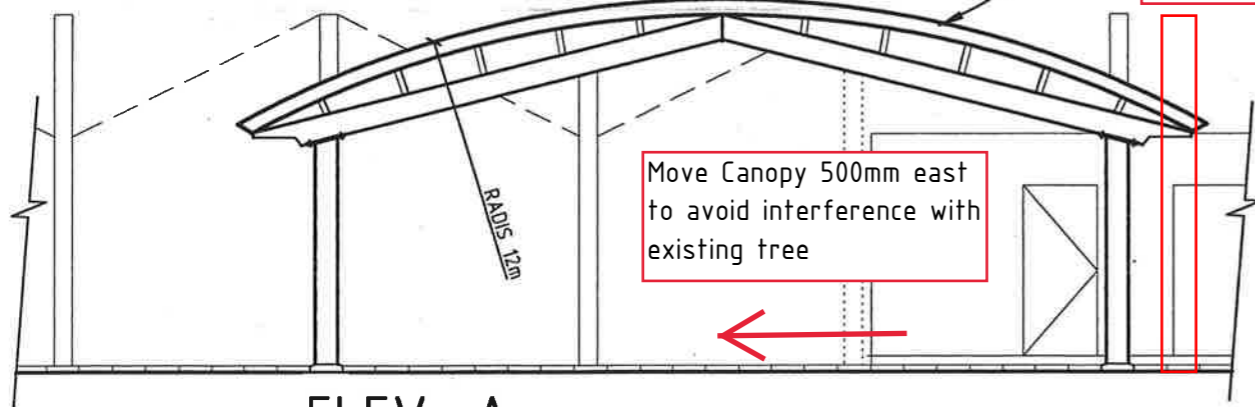
Structurally Certified by
Robert Colman in June 2019
Signed *Bob Colman*
NT Registration No. 147644ES

COLORBOND CUSTOM ORB ROOF SHEETING TYP.
FIXED, W/-CYCLONE WASHERS, AS PER DTC. M/312/01.

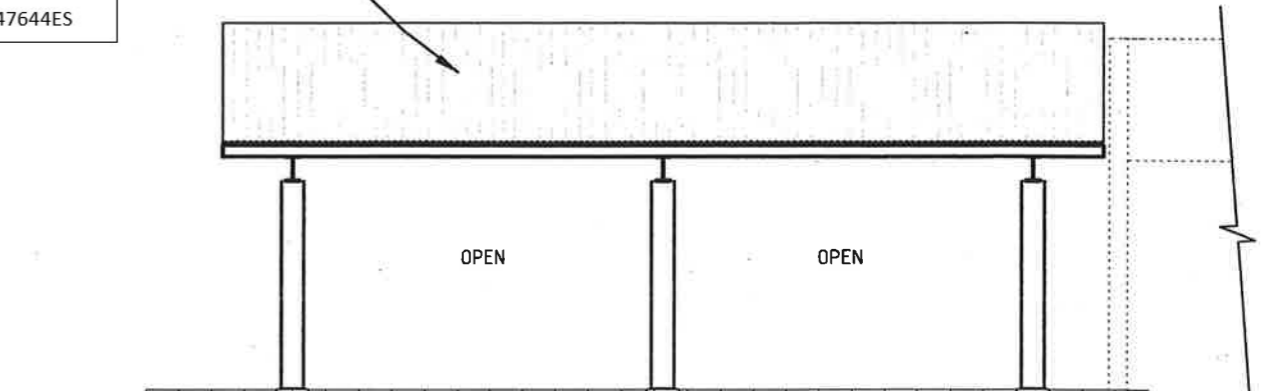
Existing tree

Move Canopy 500mm east
to avoid interference with
existing tree

UNDER UB BEAM
@ COLUMN CTR.
2900
(check on site)
EXIST. PAVING LEVEL



ELEV. A SCALE 1:100



ELEV. B SCALE 1:100

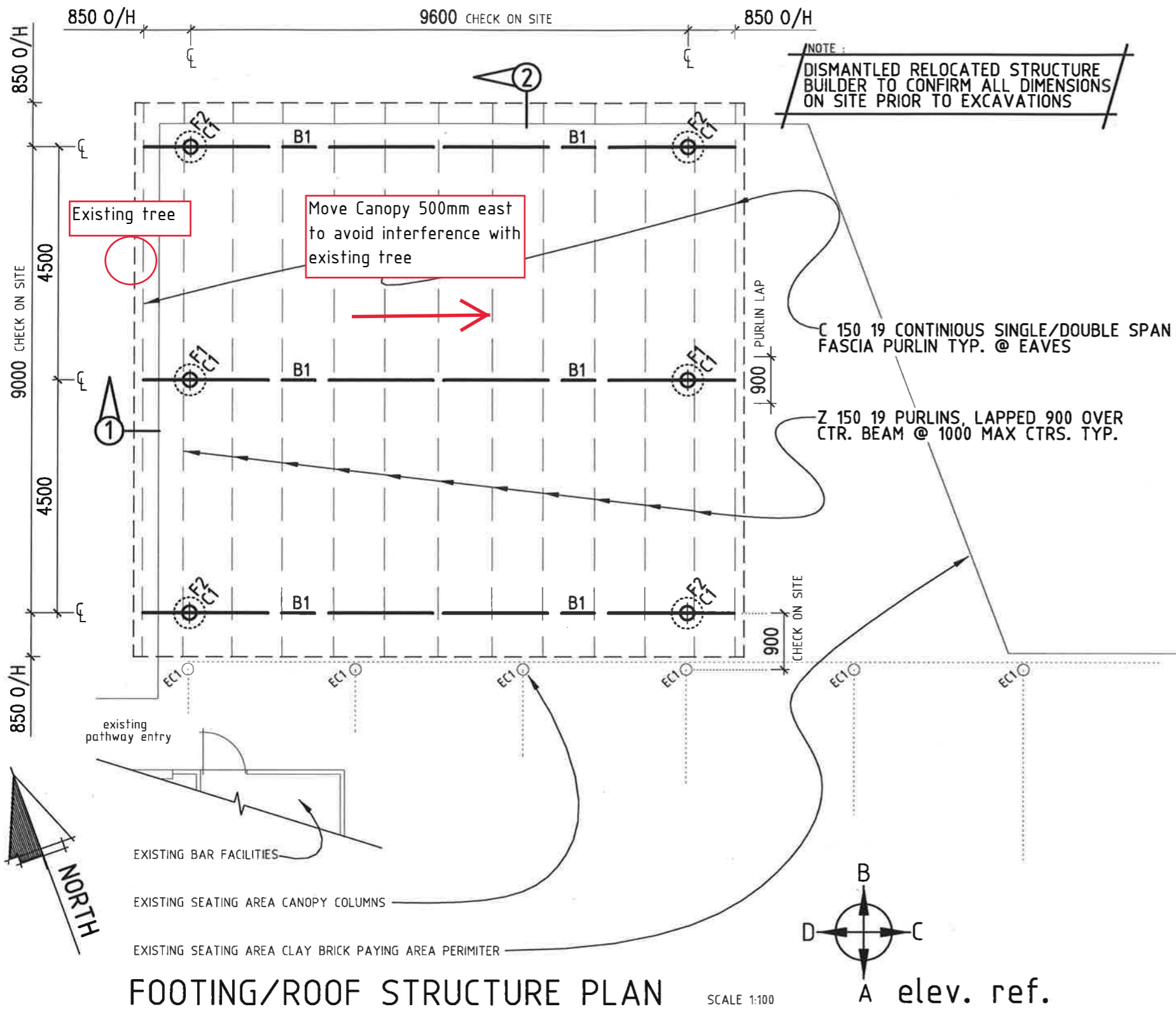
NOTES:
DIMENSIONS ARE NOT TO BE SCALED
VERIFY ALL DIMENSIONS ON SITE

REV.	DESCRIPTION	DATE

PROJECT :
PROPOSED SEATING AREA CANOPY
@ SEC. 6475. 68 FRANCES BAY DRIVE, STUART PARK
FOR DINAH BEACH CRUISING YACHT ASSOCIATION

Combined Design ©
P.O. Box 653. HOWARD SPRINGS N.T. 0835
MOBILE: 04-12 712397
EMAIL: cd@activ8.net.au
ABN: 60 155 141 560

SCALE: AS SHOWN	DRAWN BY: D. PIERCE
DATE: JUNE 2019	
SHEET A3: 1 OF 4	
DWNG No: CD - 561- 1	



PROVIDE EPIREZ 215/BITUMEN PAINT, CORROSION PROTECTION 100 ABOVE/BELOW CONC. SURFACE. AS PER AS/NZS 2312

REMOVE EXIST. PAVERS AS REQ. & PROVIDE CONC./GROUT OVER B/PLATE W/-GRAIDENT WATER RUN OFF. FALL

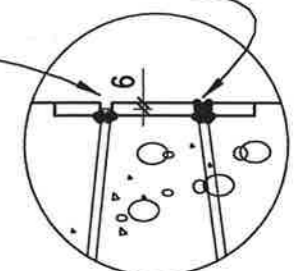
CHS COLUMN 8CFW, TO 8PL BASE PLATE.

R10 CIRCULAR LIG @ 70 TOP/SIDE COVER

4No. N20 CAST IN BARS, DRILL & PLUG WELD TO BASE PLATE, @ TOP & 6CFW TO U/SIDE. AS SHOWN

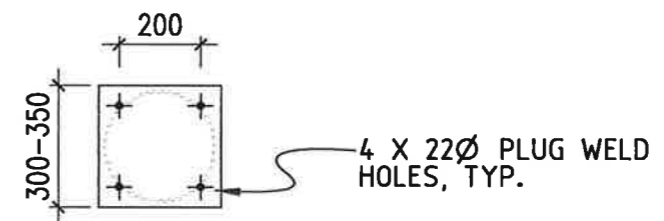
6mm MIN BAR SET DOWN FOR TYP. PLUG WELD

TYP. FOOTINGS
SCALE 1:20



NOTE: FOOTING DESIGN BASED ON CLASS S. SITE, REF. ENGINEER IF CLASSIFICATION DIFFERS

NOTE: BUILDER TO DETERMINE LOCATION OF ALL U/GROUND SERVICES & NAT. GROUND/FILL LEVELS BEFORE EXCAVATION



CHS COLUMN CAST-IN BASE PLATES (4. N20 CAST IN BARS)
TYP. 12PL BASE PLATES

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FOOTING/ROOF STRUCTURE PLAN

SCALE 1:100

A elev. ref.

LEGEND

- EC1 = EXISTING 220Ø COLUMNS
- B1 = 310 UB 40 BEAM
- C1 = 273.1Ø X 4.8 CHS COLUMN

FOOTINGS

- F1 = 600Ø X 1500 DEEP PIER
- F2 = 600Ø X 1200 DEEP PIER

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REV.	AMENDMENTS DESCRIPTION	DATE

PROJECT :
PROPOSED SEATING AREA CANOPY
@ SEC. 6475. 68 FRANCES BAY DRIVE, STUART PARK
FOR DINAH BEACH CRUISING YACHT ASSOCIATION

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SCALE: AS SHOWN	DRAWN BY: D. PIERCE
DATE: JUNE 2019	
SHEET A3: 2 OF 4	
DWNG No: CD - 561- 2	

75 X 6PL. CLEAT, 6CFW OVER UB BEAM @ RIDGE
W/-2. M12 FLANGE BOLTS, @ 60 CTRS, TO PURLINS

12m RADIS, COLORBOND CUSTOM ORB ROOF SHEETING TYP.
FIXED, W/-CYCLONE WASHERS, AS PER DTC. M/312/01.

PROVIDE 10PL PLATE, FPBW TO UB FLANGES &
6CFW WEBS, @ TYP. RIDGE JUNCTION AS SHOWN

12m RADIS ROLLED 0.55 BMT COLORBOND/ZINC BARGE
CAPPING FIXED, W/-No. 14 TEKS, AS PER MANUF. SPECIF.

75 X 6 EA. VARIOUS HEIGHT CLEATS, 6CFW OVER UB BEAM
W/-2. M12 FLANGE BOLTS, @ 60 CTRS, TO PURLINS
(MAX CLEAT HEIGHT AS SHOWN)

PROVIDE 75 X 10PL FLANGE STIFFENER PLATES 8CFW,
EACH SIDE OF UB COLUMN FLANGE, @ LOCATIONS SHOWN

475 X 75 X 10PL FLANGE STIFFENER PLATE 6CFW B/SIDE TYP.

PROVIDE 275 X 470 X 20PL COLUMN END PLATE, 8CFW @
TOP W/-4. M24 8.8/S BOLTS THROUGH UB BEAM FLANG &
10PL FLANGE STIFFENER PLATE @ 90 GAUGE TYP. AS SHOWN

MITRE CUT UB BEAM ENDS TYP. AS SHOWN

165 X 8PL DOUBLE FASCIA CLEAT/END PLATE
6CFW, @ MITRE CUT UB BEAM END AS SHOWN

CHS COLUMNS, 8CFW OVER 12PL CAST-IN
BASE PLATE (REF. FOOTING DETAILS CD-561-2)

① TYPICAL PORTAL SECTION

SCALE 1 : 20

② TYP. BARGE SECTION

SCALE 1 : 20

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REV.	DESCRIPTION	DATE

PROJECT :

PROPOSED SEATING AREA CANOPY
@ SEC. 6475. 68 FRANCES BAY DRIVE, STUART PARK
FOR DINAH BEACH CRUISING YACHT ASSOCIATION

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SCALE: AS SHOWN	DRAWN BY: D. PIERCE
DATE: JUNE 2019	
SHEET A3: 3 OF 4	
DWNG No: CD - 561- 3	

GENERAL

- G1. BUILDER/OWNER, MUST ENSURE THESE DRAWINGS HAVE ENGINEERS REG. No. & SIGNATURE, ALSO W/-BUILDING CERTIFIES PERMIT No. & SIGNATURE, PRESENT ON EACH PAGE, OTHERWISE THESE DRAWINGS ARE PRELIMINARY ONLY & NOT FOR CONSTRUCTION PURPOSES
- G2. BUILDER/OWNER, MUST ENSURE CONSTRUCTION IS AS PER THESE DRAWINGS TO ENABLE FINAL APPROVAL/CERTIFICATION, ANY ALTERNATIVE CONSTRUCTION, MATERIALS/CONNECTIONS/ETC. MAY ONLY BE USED AFTER OBTAINING REVISED DRAWINGS, W/-ENGINEER/BUILDING CERTIFIER SIGNATURE TO CONFIRM ALTERNATIVE/PREFERRED METHOD POIR TO CONSTRUCTION OR ORDERING OF MATERIALS
- G3. ALL SETOUT DIMENSIONS AND LEVELS, INCLUDING ANY SHOWN ON STRUCTURAL DRAWINGS, SHALL BE VERIFIED ON SITE AND ANY DISCREPANCIES IN THE DOCUMENTS MUST BE RESOLVED BEFORE ORDERING OR PLACING ANY MATERIALS. THESE DRAWINGS MUST NOT BE SCALED & DESIGNER EXCEPTS ON RESPONCABILITY AS ALL DUE CARE HAS BE TAKEN TO PRODUCE THESE DRAWINGS @ MINIMAL COST/TIME FOR OWNER/BUILDER
- G4. THE BUILDER SHALL ENSURE THAT DURING CONSTRUCTION, THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND THAT NO PART SHALL BE OVERSTRESSED. THE BUILDER SHALL PROVIDE ALL TEMPORARY BRACING AND PROPPING AS NECESSARY.
- G5. WHERE REFERENCE IS MADE TO DTC STANDARDS, THIS REFERS TO THE 'DEEMED TO COMPLY' STANDARDS PREPARED BY THE N.T. DEPARTMENT OF LANDS AND HOUSING.
- G6. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE RELEVANT AUSTRALIAN STANDARDS PREPARED BY THE STANDARDS ASSOCIATION OF AUSTRALIA. IN PARTICULAR, THE FOLLOWING STANDARDS SHALL BE READ AS PART OF THESE GENERAL NOTES, AND COPIES SHALL BE KEPT ON SITE ALONG WITH THE REQUIRED BUILDING DOCUMENTS.

AS-3600 - SAA CONCRETE STRUCTURES CODE
AS-4100 - SAA STEEL STRUCTURES CODE
AS-1554 - SAA WELDING CODE
AS-3700 - SAA MASONRY CODE
AS-1720 - SAA TIMBER STRUCTURES CODE
- G7. ALL PROPRIETRY ITEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS' SPECIFICATIONS AND ANY RELEVANT SAA CODE.
- G8. WATERPROOFING TO WET AREAS AND KITCHENS SHALL COMPLY WITH B.C.A. Clause F1.7 AND AS-3740.

STRUCTURAL STEELWORK

- 1. FABRICATION AND ERECTION SHALL CONFORM TO A.S. 4100.
- 2. UNLESS NOTED OTHERWISE ALL STEEL SHALL HAVE MIN. YIELD STRESS 300 MPa. AS PER A.S.4100 AND RHS AND SHS MEMBERS SHALL BE GRADE C450 TO A.S.1163.
- 3. UNLESS NOTED OTHERWISE ALL WELDS SHALL BE 6mm FILLET WELDS CONTINUOUS FOR FULL PERIMETER OF CONTACT AND BE OF GENERAL PURPOSE QUALITY IN ACCORDANCE WITH A.S.1554.
- 4. AREAS AFFECTED BY SITE WELDING SHALL BE RE-PRIMED AS BELOW. SITE WELDING TO GALVANISED AREAS SHALL BE PRIMED WITH 100 MICRONS OF ZINC RICH PAINT.
- 5. PROTECTIVE COATINGS

EXTERNAL & EXPOSED STEELWORK

PREPARATION: ABRASIVE GRIT BLAST TO CLASS 2.5 IN ACCORANCE WITH A.S.1627 PART 4.
PRIMER: INORGANIC ZINC SILICATE TO A.S.2105 (GPC-C29/8 OR BETTER) TO 75 MICRONS MIN. DRY FILM THICKNESS.

INTERNAL & CONCEALED STEELWORK

PREPARATION: MECHANICAL WIRE BRUSH TO REMOVE LOOSE RUST AND SCALE.
PRIMER: APPLY RED OXIDE ZINC PHOSPHATE (CONFORMING TO A.S.2204) TO A MIN. DRY FILM THICKNESS OF 50 MICRONS.

FILL MATERIAL AND COMPACTION

- F1. SELECTED FILL SHALL BE A GRAVEL, DECOMPOSED OR BROKEN ROCK, FREE FROM ORGANIC MATTER AND LUMPS OF CLAY AND SHALL CONFORM TO THE FOLLOWING CRITERIA :

A.S. METRIC SIEVE	% PASSING BY WEIGHT
75.0 mm	100
9.5 mm	30 - 100
2.36 mm	15 - 65
0.075 mm	5 - 25

% PASSING 0.075 mm / % PASSING 2.36 mm 0.2% - 0.4%

LINEAR SHRINKAGE (PASSING 0.425 mm) 2% - 8

MINIMUM 4 DAY SOAKED C.B.R. (95% REL. COMP.) 30%

- F2. SUB-BASE FOR SLABS ON GROUND AND BACKFILL OVER FOOTINGS FROM 50mm BELOW SLAB SOFFIT TO NATURAL GROUND SHALL BE 150mm MIN. APPROVED GRANULAR MATERIAL PLACED LOOSE IN LAYERS OF 150mm MAX. AND COMPACTED TO AT LEAST 95% OF THE MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS-3798-1996.

FOUNDATIONS

- F1. THE FOUNDATION LEVELS SHOWN ON THESE DRAWINGS ARE INDICATIVE ONLY. ACTUAL FOOTING LEVELS SHALL BE BASED ON A MATERIAL HAVING A SAFE BEARING CAPACITY OF 150 kPa UNLESS NOTED OTHERWISE.
- F2. FOOTING DESIGN IS BASED ON A CLASS 'S' SITE. REFER ENGINEER IF CLASSIFICATION DIFFERS PRIOR TO CONSTRUCTION.
- F3. REMOVE TOP SOIL, TREE ROOTS AND OTHER UNSUITABLE MATERIAL UNDER FOOTINGS AND SLABS.

CONCRETE

- C1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS-3600.
- C2. CONCRETE SHALL BE GRADE 25 MPa/20mm HAVING AN 80mm SLUMP UNLESS SHOWN OTHERWISE, EXCEPT THAT SLABS EXPOSED TO WEATHER SHALL BE GRADE 32 MPa/20mm.
- C3. AGGREGATE SHALL BE DENSE AGGREGATE CONFORMING TO AS-2758 UNLESS NOTED OTHERWISE AND SHALL BE OBTAINED FROM AN APPROVED SOURCE. THE MAXIMUM SIZE OF COURSE AGGREGATE SHALL BE 20mm, UNLESS NOTED OTHERWISE.
- C4. ADMIXTURES AND CURING COMPOUNDS SHALL NOT BE USED UNLESS APPROVED BY THE ENGINEER.
- C5. ALL CONCRETE SHALL BE COMPACTED USING AN APPROVED TYPE VIBRATOR AND SHALL BE CURED BY MAINTAINING ALL EXPOSED SURFACES IN A DAMP CONDITION FOR AT LEAST SEVEN (7) DAYS AFTER CONCRETE PLACEMENT.
- C6. PROVIDE 300 WIDE x 50 THICK CONCRETE MOWING STRIP PROTECTION AROUND PART 'B' TERMITE TREATMENT AREAS.
- C7. PROVIDE DAMP PROOF MEMBRANE TO UNDERSIDE OF SLABS ON GROUND IN ACCORDANCE WITH BCA AND AS 2870.
- C8. FORMWORK FOR BEAMS AND SLABS NOT SUPPORTING STRUCTURE ABOVE SHALL REMAIN IN PLACE FOR NOT LESS THAN 12 DAYS.

CAST IN ITEMS

PREPARATION: STEEL SURFACES SHALL BE CHEMICALLY DESCALED IN ACCORDANCE WITH A.S. CK9.5 OR ABRASIVE BLAST CLEANED IN ACCORDANCE WITH CK9.4 TO CLASS 3 FINISH.
GALVANISING: HOT DIP GALVANISING SHALL BE CARRIED OUT IN ACCORDANCE WITH A.S./NZS-4680 WITH A MIN. WEIGHT OF ZINC COATING OF 550 G OF ZINC PER SQ. METRE.

WELDING AND BOLTING


- W1. ALL WELDING SHALL BE IN ACCORDNCE WITH AS-1554.
- W2. ALL FILLET WELDS SHALL BE 6mm CONTINUOUS FOR THE FULL CONTACT OF THE MEMBER, UNLESS NOTED OTHERWISE. ALL WELDS SHALL BE CATEGORY 'GP' (GENERAL PURPOSE QUALITY), UNLESS NOTED OTHERWISE.
- W3. ALL BUTT WELDS MUST DEVELOP THE FULL TENSILE STRENGTH OF THE MEMBER AND SHALL BE CATEGORY 'SP' (SPECIAL PURPOSE QUALITY).
- W4. STEELWORK FINISHES AFFECTED BY SITE WELDING SHALL BE RE-PRIMED TO A MINIMUM OF 600g OF ZINC / SQUARE METRE WITH A MINIMUM DRY COAT THICKNESS OF 100 MICRONS.
- W5. ALL BOLTS SHALL BE COMMERCIAL GRADE IN ACCORDANCE WITH AS-1111 OR HIGH TENSILE IN ACCORDANCE WITH AS-1252, AND USED IN ACCORDANCE WITH AS-4100. ALL BOLTS ARE DESIGNATED ON THE DRAWINGS AS FOLLOWS :
COMMERCIAL GRADE BOLTS
HIGH TENSILE BOLTS - FULLY TENSIONED
HIGH TENSILE BOLTS - IN BEARING BUT TENSIONED
HIGH TENSILE BOLTS - SNUG TIGHT
WHERE FULLY TENSIONED BOLTS ARE REQUIRED, LOAD INDICATING WASHERS SHALL BE USED.
- W6. ALL BOLTED CONNECTIONS SHALL BE 2-M20 4.6/S UNLESS NOTED OTHERWISE.
- W7. ALL BOLTS SHALL BE GALVANISED UNLESS NOTED OTHERWISE.
- W8. ALL BOLT HOLES SHALL BE 2mm LARGER THAN THE NOMINAL BOLT DIAMETER UNLESS NOTED OTHERWISE.
- W9. ALL CLEATS SHALL BE 10mm THICK UNLESS NOTED OTHERWISE.

DESIGN CRITERIA

THE FOLLOWING DESIGN LIVE LOADS HAVE BEEN USED GENERALLY :

LOCATION	DESIGN LIVE LOAD
ROOF	0.25 kPa
FLOOR	1.50
WIND DESIGN LOADS	
REGION	C
TERRAIN CATEGORY	2.0
IMPORTANCE LEVEL	I
WIND RETURN PERIOD (5%)	200 YRS
REGIONAL WIND SPEED ULTIMATE (AS PER, AS.4055, CLASS 2.)	57.3m/s

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