

GENERAL NOTES:

- G1 THE BUILDER SHALL BE RESPONSIBLE FOR MAINTAINING STABILITY OF THE STRUCTURE UNTIL COMPLETION OF CONSTRUCTION AND SHALL ENSURE THAT NO PART OF THE STRUCTURE IS OVERSTRESSED.
- G2 THE BUILDER SHALL CHECK ALL DIMENSIONS AND ALL EXISTING CONDITIONS BEFORE COMMENCING CONSTRUCTION.
- G3 ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE MADE GOOD AT THEIR OWN COST.
- G4 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING AUSTRALIAN STANDARDS, EXCEPT WHERE VARIED BY THE SPECIFICATIONS AND/OR DRAWINGS: –
AS 1684.2 (2010) RESIDENTIAL TIMBER FRAMED CONSTRUCTION
AS 1720.1 (2010) TIMBER STRUCTURES
AS 2870 (2011) RESIDENTIAL SLABS AND FOOTINGS
AS 3600 (2009) CONCRETE STRUCTURES
AS 3798 (2007) GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS
AS 4100 (1998) STEEL STRUCTURES
- G5 DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
- G6 ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
- G7 U.N.O. DENOTES UNLESS NOTED OTHERWISE.
- G8 THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO TENDERING TO FAMILIARISE THEMSELVES WITH ACCESS SITE CONDITIONS
- G9 THE CONTRACTOR MAY OFFER FOR CONSIDERATION ALTERNATIVE PROVEN EQUAL PRODUCTS TO THOSE INDICATED. ALTERNATIVE PRODUCTS ARE NOT TO ADVERSELY AFFECT THE PROJECT AND CANNOT BE SUBSTITUTED WITHOUT PRIOR APPROVAL.
- G10 EXISTING SERVICES TO BE LOCATED BEFORE CONSTRUCTION COMMENCES.
- G11 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH SHEET 2 TO 5.
- G12 CONSULT BCC ARCHITECT FOR COLOUR SCHEME OF THE STRUCTURE.

DESIGN CRITERIA:

WIND LOADS : REGION B TERRAIN CATEGORY 1.5
ULTIMATE WIND SPEED = 54.0 m/s
DESIGN LIFE : 50 YEARS WITH ROUTINE MAINTENANCE.
LIVE LOADS: : FLOOR = 5.0 kPa. ROOF= 0.25 kPa / 1.4 kN.
NO SCREENS(IMPERMEABLE OR PERMEABLE BARRIERS) TO BE INSTALLED UNLESS SHOWN ON THE DRAWINGS.

TERRAIN CATEGORY 1.5 CORRESPONDS TO AN ENVIRONMENT WITH OPEN WATER SURFACES, SUBJECTED TO SHOALING WAVES AT SERVICEABILITY AND ULTIMATE WIND SPEEDS IN ALL WIND REGIONS.

FOUNDATIONS AND SLAB ON GROUND:

- F1 ALL FOOTINGS ARE TO BE FOUNDED IN THE NATURAL UNDISTURBED SOIL PROFILE WITH A MINIMUM ALLOWABLE SOIL BEARING CAPACITY OF 100kPa UNLESS NOTED OTHERWISE. IF SITE CONDITION IS DIFFERENT, CONSULT A STRUCTURAL ENGINEER
- F2 SOIL TEST IS REQUIRED TO CONFIRM BEARING CAPACITY AND SITE CLASSIFICATION TO AS 2870.
- F3 FOUNDATIONS ARE TO BE CHECKED AND CERTIFIED BY A REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER, QUEENSLAND (RPEQ).
- F4 COMPACT AND PREPARE THE BASE TO PROVIDE A SOUND PLATFORM AND ANY ORGANIC, SOFT OR LOOSE MATERIALS REMOVED AND REPLACED WITH COMPACTED FILL – BCC SPECIFICATION S300 QUARRY PRODUCTS CLASS I MATERIAL.
- F5 THE BOTTOMS OF ALL FOOTINGS ARE TO BE CLEANED OF ALL LOOSE MATERIAL AND WATER PRIOR TO POURING CONCRETE.
- F6 SLABS ON GRADE SHALL BE UNDERLAIN WITH CONTINUOUS LAYER OF 200 MICRON (0.2mm) THICK POLYETHYLENE DAMPPROOF MEMBRANE AS PER AS 2870, LAPPED AND TAPED TO MANUFACTURER'S SPECIFICATION.

EARTHWORKS:

- E1 STRIP ALL HUMUS MATERIAL FROM THE AREA OF THE BUILDING IMPRINT AND 1000 BEYOND.
- E2 PROOF ROLL THE AREAS TO BE CONCRETED AND PAVED. REMOVE ANY WEAK MATERIAL.
- E3 USE NON-HUMUS CUT MATERIAL OR IMPORTED APPROVED NON-REACTIVE SOIL AS FILL.
- E4 COMPACTED FILL SHALL BE COMPACTED IN LAYERS NOT EXCEEDING 150mm LOOSE DEPTH TO 98% MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289. 5.1.1 (STANDARD COMPACTION). CARRY OUT DENSITY TESTS AT A RATE OF 2 PER LEVEL OF FILL. EVERY TEST MUST PASS.

CONCRETE NOTES:

- C1 ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH AS 3600.
- C2 ALL CONCRETE SHALL BE PREMIXED BY AN APPROVED SUPPLIER.
- C3 ALL CEMENT SHALL BE TYPE GP OR GB.
- C4 CONCRETE SPECIFICATION: NOMINAL AGGREGATE SIZE TO BE 20mm, SLUMP TO BE NOT GREATER THAN 80mm.
- C5 CONCRETE STRENGTH AND CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE U.N.O.ELEMENT:
- | F'C (MPa) | REINFORCEMENT COVER |
|-----------|----------------------|
| PIERS | 32 75 |
| SLAB | 32 CENTRALLY PLACED. |
- C6 ALL LAPS IN REINFORCEMENT SHALL BE AS SHOWN IN THE TABLE BELOW UNLESS NOTED OTHERWISE.
- | BAR LAP LENGTH (mm) | |
|---------------------|-----|
| N12 | 500 |
| N16 | 650 |
| MESH | 350 |
- C7 REINFORCEMENT SYMBOLS: R STRUCTURAL PLAIN ROUND GRADE 250R TO AS 4671.
N DEFORMED BAR GRADE D500N TO AS 4671.
SL HARD DRAWN STEEL REINFORCING FABRIC GRADE D500L TO AS 4671.
- C8 SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.
- C9 NO HOLES, CHASES OR EMBEDMENT OF PIPES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT PRIOR APPROVAL BY THE SUPERINTENDENT.
- C10 ALL CONCRETE SHALL BE COMPACTED USING A MECHANICAL VIBRATION PROCESS.
- C11 ALL REINFORCEMENT SHALL BE SECURELY SUPPORTED IN ITS CORRECT POSITION DURING CONCRETING BY APPROVED BAR CHAIRS, SPACERS OR SUPPORT BARS.
- C12 CONSTRUCTION JOINTS SHALL BE PROPERLY FORMED AND USED ONLY WHERE SHOWN OR SPECIFICALLY APPROVED BY THE SUPERINTENDENT.

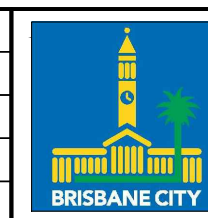
INSPECTION AND CERTIFICATION

NOTES:

- A1 THE CONTRACTOR'S ENGINEER (RPEQ) SHALL UNDERTAKE INSPECTIONS DURING CONSTRUCTION TO ENSURE ALL CONSTRUCTION WORKS ARE IN ACCORDANCE WITH THE MOST CURRENT ISSUE OF THE STRUCTURAL DRAWINGS AND THE CONTRACT DOCUMENT. THE RPEQ SHALL CERTIFY ALL CONSTRUCTION WORK (FORM 16). ANY ALTERNATIVE TECHNIQUE USED IN CONSTRUCTION SHALL BE FOLLOWED BY A DESIGN CERTIFICATE (FORM 15) BY THE CONTRACTOR'S PROFESSIONAL ENGINEER (RPEQ).

ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
B	Drawing Title Amended	FEB '16	JUL '16	JUL '16
A	ORIGINAL ISSUE	NOV '14	NOV '14	NOV '14

DRAWING AUTHORISED FOR PUBLICATION			
DESIGN	CPO - P&D	DATE	NOV '14
DRAWN	CPO - P&D	DATE	NOV '14
CHECKED	BI - FSG - AS	DATE	NOV '14
DRAWING FILENAME	BSD-10145 BI Small_Medium_Large shelters - Natural area - General notes - Sheet 1 of 5.dwg		
ASSOCIATED PLANS	BSD-10145-Sheets 2,3,4 & 5		



STRUCTURAL DESIGN CERTIFICATION		
DESIGN	DESIGN CHECK	AUTHORISED FOR ISSUE
Zhuangzhi Hu RPEQ 13885 2014.11.26 15:37:30+10'00'	D. Bateup RPEQ 13095 2014.11.26 16:12:34+10'00'	Bala Balakumar RPEQ 3963 2014.11.27 08:37:07+10'00'
BRISBANE CITY COUNCIL STANDARD DRAWING		
SMALL/MEDIUM/LARGE SHELTERS NATURAL AREA – GENERAL NOTES SHEET 1 OF 5		SCALE N.T.S. DWG No. BSD-10145 ORIGINAL SIZE A3 REVISION B