

GENERAL

1. ALL WORKMANSHIP, TESTING, MATERIALS AND SUPERVISION ARE TO BE IN ACCORDANCE WITH THESE SPECIFICATIONS, THE WORK HEALTH AND SAFETY ACT 2011 AND CURRENT RELEVANT AUSTRALIAN STANDARDS.
2. THESE DRAWINGS ARE NOT SELF-CONTAINED AND SHALL BE READ IN CONJUNCTION WITH COUNCIL'S INFRASTRUCTURE SPECIFICATIONS.
3. NOTES ON ANY DRAWING APPLY TO ALL DRAWINGS IN THE SET UNLESS OTHERWISE NOTED.
4. THE BUILDER SHALL PROVIDE CERTIFICATION ON ANY DESIGN AND CONSTRUCT COMPONENT BY A CHARTERED PROFESSIONAL ENGINEER (NPER).
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL SERVICES IN THE VICINITY OF THE WORKS. ANY SERVICES SHOWN ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL SERVICES PRIOR TO COMMENCING AND SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE CAUSED TO SERVICES, AS WELL AS ANY LOSS INCURRED AS A RESULT OF THE DAMAGE TO ANY SERVICE.
6. THE STRUCTURAL COMPONENTS DETAILED ON THESE STRUCTURAL DRAWINGS ARE JOB SPECIFIC AND HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS AND BUILDING CODE OF AUSTRALIA FOR THE FOLLOWING FIRE RATINGS, WIND LOADS, FLOOR USAGE AND EARTHQUAKE LOADS.

WIND LOADS:

- IMPORTANCE LEVEL

= 1
- REGION

= A2
- ANNUAL PROBABILITY OF EXCEDENCE

= 1:100
- REGIONAL WIND SPEED V

= 41 m/s
- TERRAIN CATEGORY

= 2
- TERRAIN MULTIPLIER M_z ,cat

= 0.91
- WIND DIRECTION MULTIPLIER M_d

= 1.0
- SHIELDING MULTIPLIER M_s

= 1.0
- TOPOGRAPHIC MULTIPLIER M_t

= 1.0
- SITE WIND SPEED

= 37.4 m/s

FOUNDATIONS

7. ASSUMED ALLOWABLE BEARING CAPACITY:

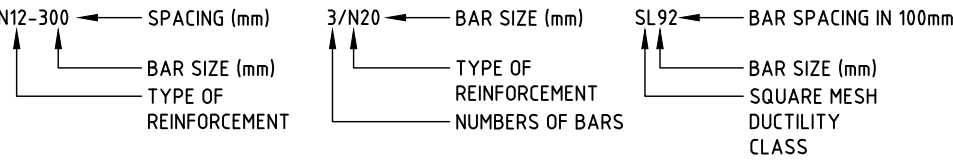
• SLABS ON GROUND

= 100 kPa.
8. THE SLAB AND FOOTINGS HAVE BEEN DESIGNED IN ACCORDANCE WITH AS 2870 FOR CLASS M SITE. ENSURE STABILITY OF ADJACENT BUILDINGS AND PATHS IS MAINTAINED DURING ALL STAGES OF CONSTRUCTION.
9. DO NOT ALLOW EXCAVATED MATERIAL TO BE STOCKPILED WITHIN 1500mm OF FOOTING TRENCHES OR PITS. NO EARTH OR DETRITUS IS TO FALL INTO THE FOOTING TRENCHES BEFORE OR DURING CONCRETE PLACEMENT.
10. THE BASE OF ALL EXCAVATIONS SHALL BE FREE OF WATER AND CLEANED OF LOOSE MATERIAL OR DEBRIS PRIOR TO PLACEMENT OF CONCRETE.

CONCRETE AND REINFORCEMENT

11. CARRY OUT ALL CONCRETE WORK IN ACCORDANCE WITH AS 3600 AND COUNCIL'S INFRASTRUCTURE SPECIFICATION 0319 AUXILIARY CONCRETE WORKS
12. PLACE CONCRETE CONTINUOUSLY BETWEEN CONSTRUCTION JOINTS SHOWN ON PLAN. DO NOT BREAK OR INTERRUPT SUCCESSIVE POURS SUCH THAT COLD JOINTS OCCUR. ANY REVISIONS OR ADDITIONS TO CONSTRUCTION JOINTS SHOWN ON PLAN REQUIRE REQUIRE COUNCIL APPROVAL.
13. ALL REINFORCING BARS SHALL BE GRADE D500N TO AS/NZS 4671 AND ALL MESH SHALL BE GRADE 500L TO AS/NZS 4671. UNLESS OTHERWISE NOTED CLASS L REINFORCEMENT SHALL NOT BE USED.

REINFORCEMENT LABELS:



14. REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY, AND NOT NECESSARILY IN TRUE PROJECTION. BARS SHOWN ARE INDICATIVE ONLY AND LENGTHS MAY VARY. BEAM ELEVATIONS TAKE PRECEDENCE OVER SECTIONS. SLAB PLANS TAKE PRECEDENCE OVER SECTIONS. REFER TO SECTIONS FOR EXTRA BARS THAT MAY BE REQUIRED.
15. USE ONLY PLASTIC OR CONCRETE CHAIRS AT EXTERNAL SURFACES.
16. SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN ON THE STRUCTURAL DRAWINGS. LAPS SHALL NOT BE LESS THAN THE DEVELOPMENT LENGTH FOR EACH BAR AND IN ACCORDANCE WITH AS 3600.
17. LAPS IN MESH SHALL BE IN ACCORDANCE WITH AS 3600.
18. THE TWO OUTERMOST TRANSVERSE WIRES OF ONE SHEET OF MESH MUST OVERLAP THE TWO OUTERMOST TRANSVERSE WIRES OF SHEET BEING LAPPED, AS SHOWN BELOW:



19. PROVIDE 2-N12 TRIMMER BARS 2000MM LONG TIED TO UNDERSIDE OF FABRIC AT ALL RE-ENTRANT CORNERS.
20. WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
21. AT EXTERNALLY EXPOSED SURFACES NO METALLIC ITEMS INCLUDING FORM BOLTS, FORM SPACERS, METALLIC BAR CHAIRS AND TIE-WIRE ARE TO BE PLACED IN THE COVER ZONE.
22. ALL REINFORCEMENT, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION AND INSPECTED BY COUNCIL'S REPRESENTATIVE PRIOR TO PLACING CONCRETE.
23. HOLD DOWN BOLTS SHALL BE HOT-DIP GALVANISED.

ACKNOWLEDGEMENT:
PORT STEPHENS COUNCIL ACKNOWLEDGES THE ASSISTANCE OF THE CITY OF NEWCASTLE IN THE DEVELOPMENT OF THIS DRAWING.

SR PCG – STANDARDS REVIEW PROJECT CONTROL GROUP
ASM – ASSET SECTION MANAGER

Date	Amendment	Rev	By	Approved
20.06.24	ISSUED FOR CONSTRUCTION	0	SR PCG	ASM



Project:	STANDARD DETAILS
EDRMS No:	PSC2016-01993-005
Drawing Title:	BUS STOP / SHELTER SHEET 3 OF 5

APPROVED	Revision: 0
SHEET No: BS-102	Date: 20.06.24
	Sheet Size: A3