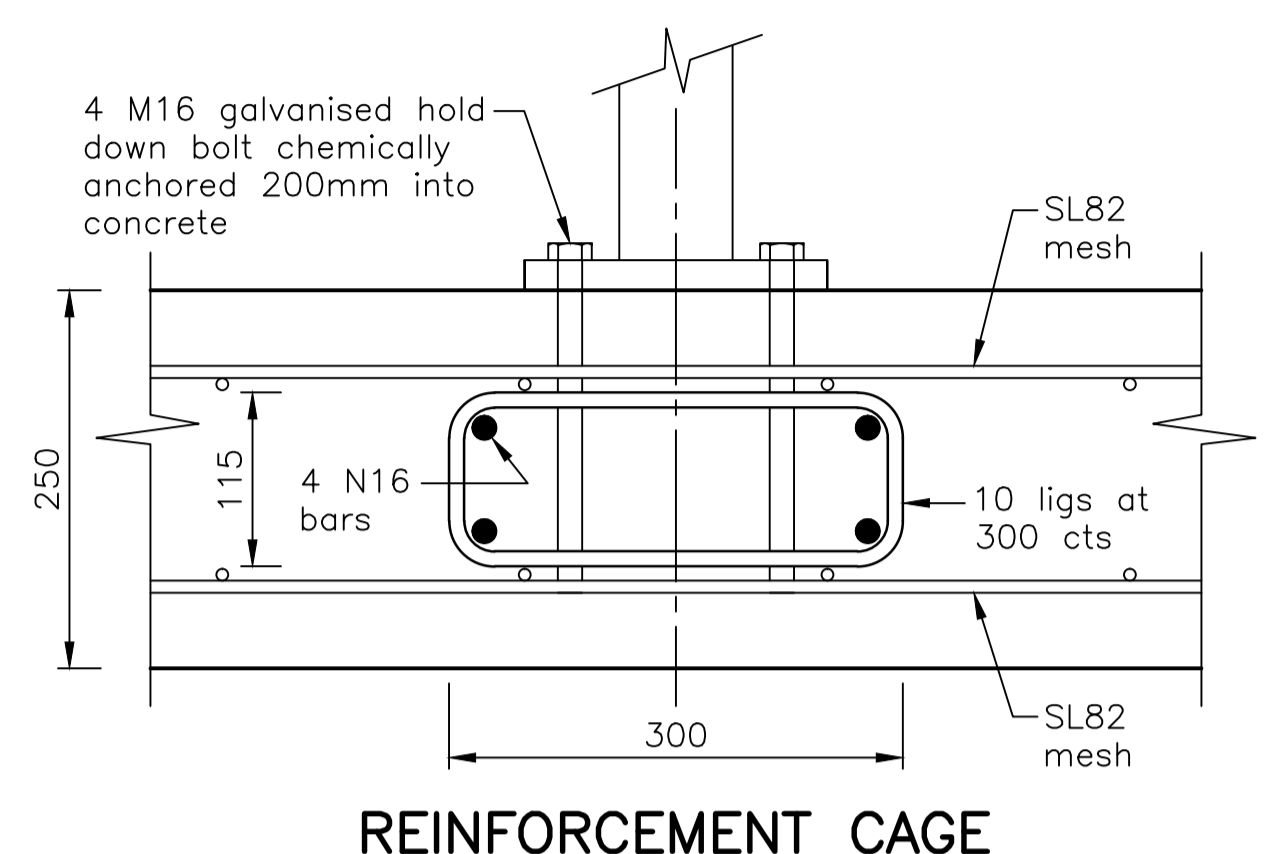


SLAB LAYOUT



REINFORCEMENT CAGE

**NOTES**

**GENERAL**

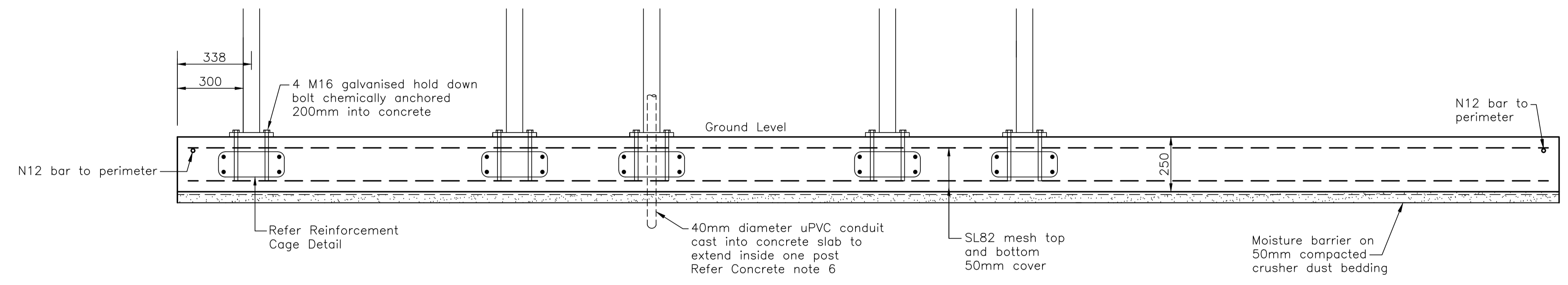
1. All dimensions are in millimetres, unless noted otherwise.
2. Do not scale these drawings. Use figured dimensions.
3. The Contractor shall check, verify on site and be responsible for the correctness of all dimensions shown on the drawings and discrepancies shall be reported immediately to the Superintendent before any work proceeds.
4. These drawings shall be read in conjunction with all other drawings and specifications and with such other written instructions as may be issued during the course of construction. All discrepancies shall be reported immediately for decision before proceeding with the project.
5. All workmanship and materials shall be in accordance with the requirements of the Townsville City Council Design Specifications and Construction Standards, Standards Australia Codes and the by-laws and ordinances of the relevant authorities.
6. During construction any structure and neighbouring structures shall be maintained in a stable condition, ensuring no parts are overstressed.
7. It is the contractors responsibility to ensure that the project is carried out in accordance with the drawings and specifications.

**CONCRETE**

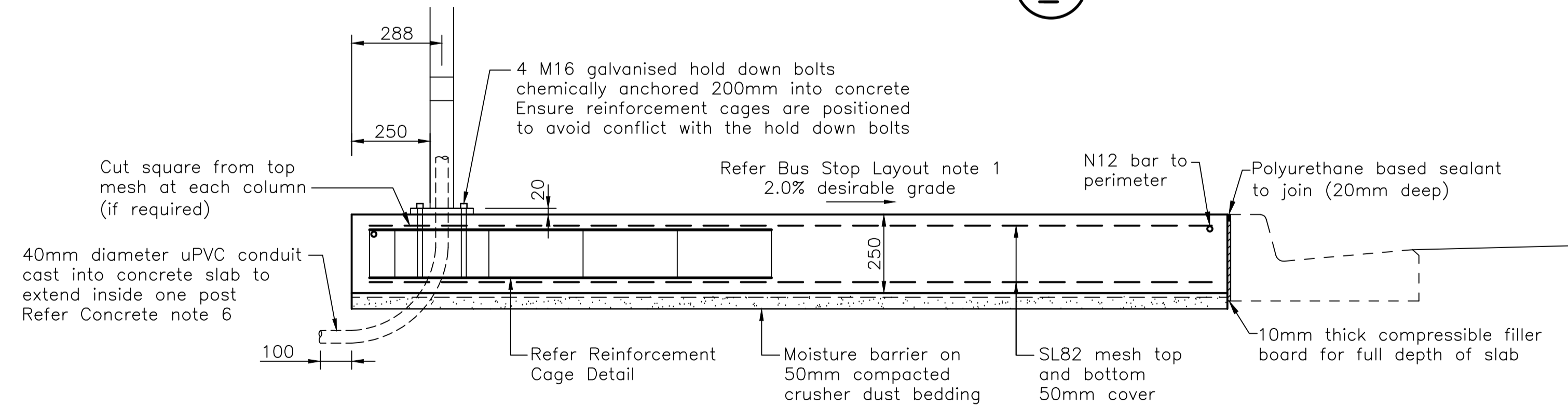
1. All concrete N32 unless noted otherwise.
2. Concrete cover to reinforcement shall be 50mm unless noted otherwise.
3. All concrete must be cured in accordance with the following:
  - AS3600
  - Aliphatic alcohol must be used. The aliphatic alcohol should be applied after screeding and bull floating operations.
  - No water should be added to concrete.
  - An impermeable membrane should be applied. All joints in membrane are to be taped and the edges secured to prevent the ingress of air.
  - Minimum curing period shall be not less than 7 days for strength grade N32 and not less than 4 days for high early strength concrete.
4. Exposed edges of formed concrete elements shall have a 20mm chamfer unless noted otherwise.
5. All concrete shall be mechanically vibrated. Hand held vibrators must be held upright. Concrete must not be spread using vibrator.
6. 40mm diameter uPVC Conduit cast into concrete slab, to extend inside one post. Conduit shall have draw wire and be pre-capped at end in soil. Use 300mm radius sweeping bend. Location depending on nearest power supply.

**BUS STOP LAYOUT**

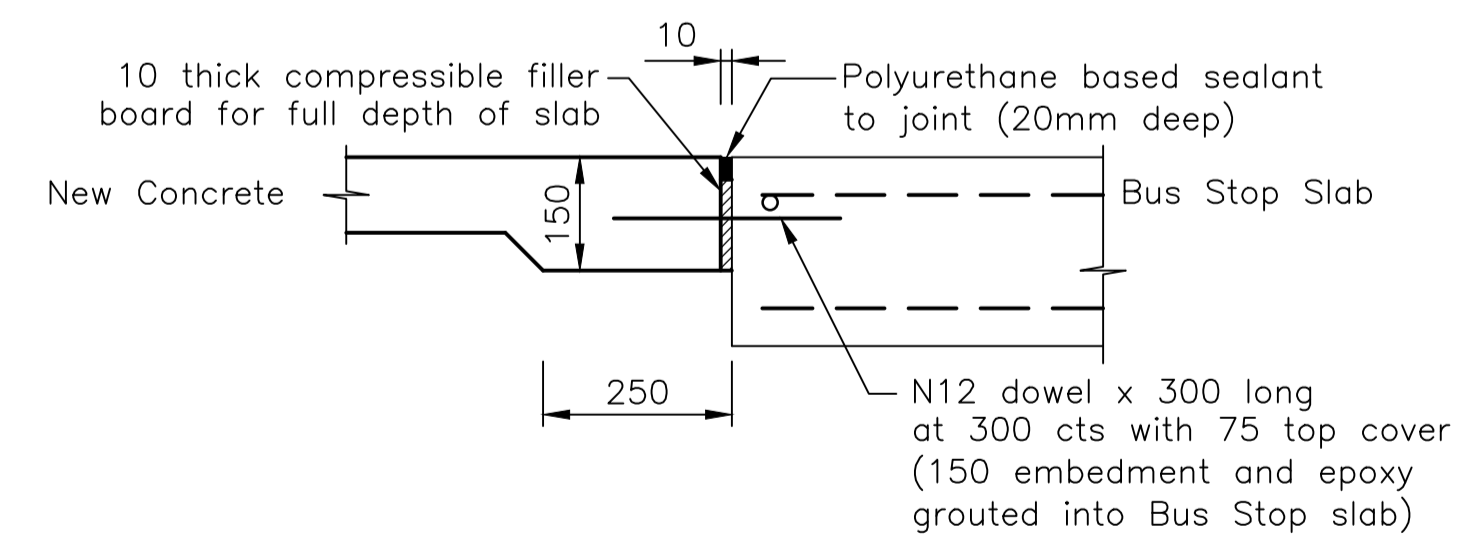
1. Bus Stop concrete slab crossfall
  - 1.0% minimum
  - 2.0% desirable
  - 2.5% maximum



SECTION A



SECTION B



KEY CONSTRUCTION JOINT - KCJ

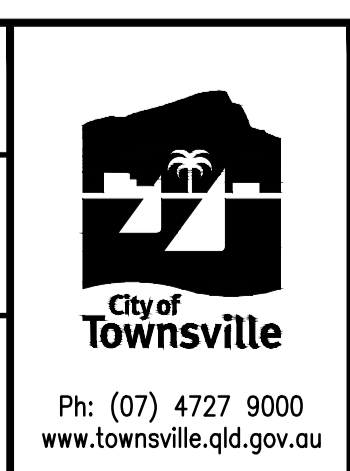
Key Construction Joints to be provided between all abutting new and existing concrete works

No.	DATE	DESCRIPTION	AP'D
REVISIONS			
A	14/07/2011	ORIGINAL ISSUE	
B	21/11/2011	SLAB THICKENING CORRECTED DIMENSION	
C	23/02/2012	SLAB THICKENING REMOVED & REINFORCEMENT CAGE AMENDED	
D	3/02/2015	COLUMN SPACING ADJUSTED FOR DISABLED ACCESS	

NOTES :	
REFERENCE DRAWINGS	
SD-500	- STANDARD BUS SHELTER FRAMING DETAILS SHEET 1 OF 2
SD-515	- STANDARD BUS STOP URBAN LOCATION LAYOUT DETAILS-TYPE 1 AND 2
SD-530	- STANDARD BUS STOP URBAN AND RURAL LOCATIONS LAYOUT DETAILS-TYPE 7 AND 8
SD-535	- J POLE, TIMETABLE DISPLAY CASE, RUBBISH BIN AND SLEEVE INSTALLATION DETAILS

Full Size A1
Not to scale

DRAWN: DESIGN OFFICE	CHECKED: WJP
Design Engineer Approved: Original signed by T MESSER (RPEQ9985) Northern Consulting Engineers	
Date: 3/2/2015	
Manager Approved: Original signed by J CLARKE	
Date: 5/2/2015	



STANDARD BUS SHELTER  
SLAB AND FOOTING DETAILS

SHEET 2 OF 2

STANDARD DRAWING	
TRANSPORT	
SD-502	D