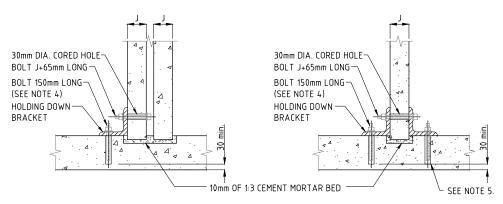
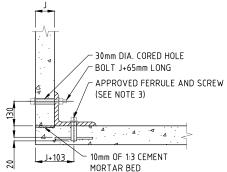


## HOLDING DOWN ANCHORS

(BASES WITHOUT RECESSES)



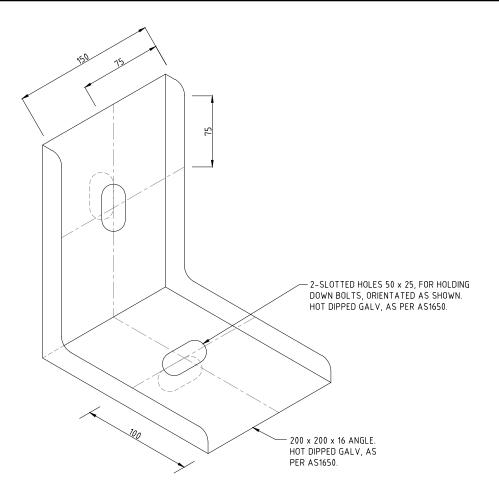
## HOLDING DOWN ANCHORS (BASES WITH RECESSES)



PRECAST BASE UNIT

'J"= WIDTH OF CELL LEG





HOLDING DOWN BRACKET NOT TO SCALE

## NOTE:

- HEXAGONAL BOLTS AND SCREWS M20 GRADE 4.6 TO AS 1111-2015 WITH M20 NUTS AND WASHERS GRADE 5 TO AS 1112-2015 AND AS 1237.1-2002, HOT DIPPED GALVANISED TO AS 1214-2016.
- STEEL BRACKETS SHALL BE GRADE 250 TO AS 3679.1-2016. BRACKETS TO BE HOT DIPPED AFTER FABRICATION TO AS 4534-2006, AS 4680-2006 AND AS 4792-2006.
- APPROVED MILD STEEL FERRULE WITH CROSS BAR FOR USE IN PRECAST BASE SLABS: LENGTH 65, THREAD DEPTH 32, FOR P.C. BASE SLABS 80 THICK OR GREATER.
- TO TAKE HEXAGONAL SCREW M20 X 45 TO AS 1111-2015.
- CROSS HOLED TO TAKE 12 X 250 M.S. BAR.
- FERRULE AND CROSS BAR TO BE HOT DIPPED GALVANISED TO AS 1214-2016.
- FERRULE LOCATED 300 FROM ENDS TO MATCH CORED HOLES IN CROWN UNITS.
- IF PRECAST BASE UNITS ARE LESS THAN 80MM THICK, THE FERRULES LENGTH, THREAD DEPTH AND SCREW LENGTH ARE TO BE REDUCED IN ORDER TO MAINTAIN CLEAR COVER OF 15.
- 4. HOLDING DOWN BOLTS TO BE PLACED IN DRILLED 30 DIA. HOLES AND GROUTED WITH 1:2 CEMENT SAND GROUT AFTER PLACING CROWNS. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- STANDARD DRAWING REFERENCES:
- <u>CS3100</u> CULVERT GENERAL NOTES AND USE OF THE HOLDING DOWN ANCHORS
- CS3107 RCBC SETOUT DETAILS
- CS3108 CROWN UNIT AND LINK SLAB INSTALLATION DETAILS, AND USE OF HOLDING DOWN ANCHORS
- CS3109 & CS3110 WINGWALL AND HEADWALL DETAIL FOR RCBC / SLBC
  CS3111 RCBC BASE SLABS WITH NIBS AND APRONS
  CS3112 RCBC BASE SLABS WITH RECESSES AND APRONS

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE

THIS DRAWING IS DERIVED FROM QUEENSLAND MAIN ROADS STANDARD DRAWING SET 1250 AND ADOPTED FOR THE NT CONDITIONS.

1	DESIGN NOTES ADDED	APR 2023	J. COOK	TCS / DIPL	
0	ISSUED AS A STANDARD DRAWING	SEPT 2017	J.LEESON	EES/DIPL	
No.	DESCRIPTION	DATE	NAME	DEPT/COMPANY	
AMENDMENTS					

## **WARNING**

BEWARE OF UNDERGROUND SERVICES. THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

DRAWN		CHECKED		
	A.R		L.Mc	
DATE	DEC 2012	DATE	DEC 2012	
DESIGNED		CHECKED		
	QLD		QLD	
DATE		DATE		
DESIGN LEADER		DESIGN DIRECTOR		
S.HATZI		S.JACKSON		
DATE	1/09/2017	DATE	1/09/2017	

12		DRAINAGE
	Northern Territory Government	REINFOF CROWN
		FILE No.

STANDARD DRAWINGS

REINFORCED CONCRETE BOX CUI VERT (RCBC)

CROWN UNIT HOLDING DOWN ANCHORS						
FILE No.	ASSET No.	SHEET No.	DRAWING No.	AMEND.		

CS3113