

STEELWORK NOTES

- S1. ALL WORKMANSHIP & MATERIALS SHALL BE IN ACCORDANCE WITH AS4100 & AS/NZS1554.
- S2. ALL STEEL SHALL BE IN ACCORDANCE WITH:
AS1163 GRADE C350 FOR RECTANGULAR AND SQUARE HOLLOW SECTIONS UNO
- S3. ALL BOLTS TO BE METRIC HEXAGONAL TO AS 1252 U.N.O.
ALL BOLTS TO BE M16 4.6/S TO AS/NZS 1252 U.N.O.
ALL BOLTS TO BE HOT DIP GALVANISED TO AS 1214 U.N.O.
- S4. ALL CLEATS AND GUSSETS SHALL BE 10mm PLATE TO AS/NZS3678 GRADE 250 U.N.O.
- S5. METAL ROOF CLADDING TO BE 0.42 BMT LYSAGHT CUSTOM ORB WITH A COLORBOND FINISH OR APPROVED EQUAL FIXED AS PER MANUFACTURER'S SPECIFICATIONS - COLORBOND COLOUR AS PER SPECIFICATION.
- S6. ALL WELDS TO BE 6mm CONTINUOUS FILLET WELDS (CFW) STRUCTURAL PURPOSE (SP) WELDS U.N.O. ALL WELDS TO BE MADE USING E48XX OR W50X GRADE 1 (OR BETTER) ELECTRODES TO AS/NZS 1554. GRIND ALL CORNERS & WELDS SMOOTH.
- S7. ALL STEELWORK TO BE HOT DIP GALVANISED IN ACCORDANCE WITH AS/NZS 2312 HDG600 SPECIFICATION. CORROSION PROTECTION COATING TO SURFACE PREPARATION OF SUBSTRATE MATERIAL IS CLASS 2½ TO AS 1627 AND PICKLED PRIOR GALVANISING. HOT DIPPED GALVANISED COATING SHALL BE IN ACCORDANCE WITH AS/NZS 4680.
- S8. ANY POST GALVANISING DAMAGED TO BE MADE GOOD WITH HIGH QUALITY TWO PACK EPOXY ZINC RICH PAINT CONFORMING TO AS/NZS 3750.9 WITH A MINIMUM DRY FILM THICKNESS OF 100 MICRONS. SURFACE PREPARATION TO BE ACCORDING T PAINT MANUFACTURER'S RECOMMENDATIONS
- S9. THE ENDS OF ALL TUBULAR OR HOLLOW MEMBERS ARE TO BE SEALED WITH 5mm THICK PLATES AND CONTINUOUS FILLET WELDED U.N.O.
- S10. PROTECTIVE COATINGS TO BE APPLIED AFTER ALL FABRICATION COMPLETED. NO WELDING ETC TO BE CARRIED OUT DURING OR AFTER APPLICATION OF COATING SYSTEM.
- S11. THE PRINCIPAL CONTRACTOR SHALL CONFER WITH THE FABRICATOR AND GALVANISER TO ENSURE VENT HOLES ARE PROVIDED IN ACCORDANCE WITH AS/NZS 4680.
- S12. FOR MARINE ENVIRONMENTAL ZONES (WITHIN 1km OF THE SHORELINE), ALL FASTENERS, INCLUDING BOLTS, NUTS, AND CLEATS LESS THAN 3mm THICK SHALL BE STAINLESS STEEL. PLASTIC SEPARATORS SHALL BE PROVIDED TO AVOID CONTACT BETWEEN DISSIMILAR MATERIALS. STAINLESS STEEL GRADE 316 TO BE USED.
- S13. WELDING OF STAINLESS STEEL CONSUMABLES SHALL BE COMPATIBLE WITH THE PARENT METAL.

PARK SHELTERS

SHELTER TYPE	DIMENSIONS						FASCIA SIZE	POST HEIGHT	2/140x45 RIDGE	APEX CONNECTOR	PURLINS			HIP RAFTER	ANNEX			
	A	B	C	D	E	F					SPACING	SPACING	SIZE		SIZE	PAD	SPACING	BEAM
	(m)	(m)	(m)	(m)	(m)	(m)												
4x4	4.0	4.0	3.0	3.0	5.0	5.0	190x45	2.46	NO	1	0.80	0.85	140x45	140x45	-	-	-	
4x4 + ANNEX	4.0	4.0	3.0	3.0	5.0	5.0	190x45	2.53	NO	1	0.80	0.85	140x45	140x45	7.8	0.45	4.4	
4x5	4.0	5.0	3.0	4.0	5.0	6.0	190x45	2.46	YES	2	0.80	0.85	140x45	2/140x45	-	-	-	
4x5 + ANNEX	4.0	5.0	3.0	4.0	5.0	6.0	190x45	2.53	YES	2	0.80	0.85	140x45	2/140x45	8.8	0.45	4.4	
4x6 *	4.0	6.0	3.0	5.0	5.0	7.0	190x45	2.48	YES	2	0.80	0.85	140x45	2/140x45	-	-	-	
4x6 + ANNEX *	4.0	6.0	3.0	5.0	5.0	7.0	190x45	2.53	YES	2	0.80	0.85	140x45	2/140x45	9.8	0.450	4.4	
5x5	5.0	5.0	4.0	4.0	6.0	6.0	190x45	2.46	NO	1	0.80	0.85	140x45	140x45	-	-	-	
5x5 + ANNEX	5.0	5.0	4.0	4.0	6.0	6.0	190x45	2.53	NO	1	0.80	0.85	140x45	140x45	8.8	0.575	5.4	
5x6 *	5.0	6.0	4.0	5.0	6.0	7.0	190x45	2.48	YES	2	0.80	0.85	140x45	2/140x45	-	-	-	
5x6 + ANNEX *	5.0	6.0	4.0	5.0	6.0	7.0	190x45	2.53	YES	2	0.80	0.85	140x45	2/140x45	9.8	0.575	5.4	

NOTE: * DENOTES: FOR SIZE 'M' PROVIDE 2/OFF 140 x 45 FOR FIRST PURLIN WHEN B=6.0m ONLY.
PROVIDE TWO ROWS OF 140 x 45 MGP15 NOGGINGS AT ¼ POINTS BETWEEN OUTER THREE ROWS OF PURLINS.

STRUCTURAL DESIGN REVIEWED AND CERTIFIED FOR ISSUE
NAME: LENITA MENDIS RPEQ: 8950
SIGNATURE: ON ORIGINAL DATE: 14/09/2011

ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
A	ORIGINAL ISSUE	Sept '11	Sept '11	Sept '11

INGA CONDRIK SIGNATURE ON ORIGINAL - JUNE 2012 for ASSET ENGINEERING MANAGER STRATEGIC ASSET MANAGEMENT PLANNING DESIGN APPROVED	DESIGN	L.M.	DATE	Aug. '11
ORIGINAL SIGNED 20/9/11 SENIOR COORDINATOR PARKS	DRAWN	Z.B.	DATE	Aug. '11
	CHECKED	V.F.	DATE	Aug. '11
	DRAWING FILENAME	UMS 760/1 760/2.dwg		
	ASSOCIATED PLANS	UMS 760/1, 756, 758/1, 758/2, 757		



BRISBANE CITY COUNCIL STANDARD DRAWING

PARK SHELTERS
STRUCTURAL NOTES
SHEET 2 OF 2

SCALE	AS SHOWN
DWG No.	UMS 760/2
ORIGINAL SIZE	A3
REVISION	A