

SKILLION ROOF PARK SHELTER

STEELWORK NOTES

- S1. ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH AS4100 & AS/NZS 1554.
- S2. ALL STEEL SHALL BE IN ACCORDANCE WITH AS1163 GRADE C350 FOR RECTANGULAR AND SQUARE HOLLOW SECTIONS U.N.O
- S3. ALL BOLTS TO BE METRIC HEXAGONAL TO AS1252 U.N.O
ALL BOLTS TO BE M16/S TO AS/NZS 1252 U.N.O
ALL BOLTS TO BE HOT DIP GALVANISED TO AS 1214
- S4. ALL CLEATS AND GUSSETS SHALL BE 10mm PLATE TO AS/NZS 3678 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.

MEMBER	DESCRIPTION	MINIMUM SIZE	GRADE	SPACING	COMMENTS
C1	MAIN COLUMN	120x120 HWD	F14	3700	2/M16 BOLTS PER CONNECTION
B1	BEAM No 1.	170x70 HWD	F17	3700	2/M16 BOLTS PER CONNECTION
B2	BEAM No 2.	190x70 HWD	F17	3700	2/M16 BOLTS PER CONNECTION
R1	RAFTER	190x70 HWD	F17	3560	2/M16 BOLTS PER CONNECTION TO C1
S1	STRUT	75x75 HWD	F14		1/M6 BOLTS PER CONNECTION TO C1
P1	ROOF PURLIN	EX 150x50 HWD	F17	900 END SPANS 1200 INTERMEDIATE SPANS	CONNECTIONS TO RAFTERS VIA 125x75x6 UA ANGLE BRACKET-50mm LONG, WITH 2/M10 BOLTS THROUGH THE PURLIN & 1/M12 x 90 COACH SCREW INTO THE RAFTER
RB	ROOF BRACING	30x1.0 GALV. IRON STRAPPING		TO TOP OF RAFTERS	5/3.15ø x 35mm NAILS AT EACH END
F1	PIER FOOTING FOR MAIN COL.	450ø x 1000 DEEP	N25 CONC.	AS SHOWN	STIRRUP TO BE EMBEDDED AS SHOWN
F2	PIER FOOTING FOR BRACING PANEL	450ø x 750 DEEP	N25 CONC.	AS SHOWN	STIRRUP TO BE EMBEDDED AS SHOWN

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

DESIGN AUTHORISED FOR ISSUE 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 759/1759/2.dwg		
				ASSOCIATED PLANS	UMS 759/1, 759/3, 759/4		



BRISBANE CITY COUNCIL STANDARD DRAWING

PARK SHELTERS
SKILLION ROOF TYPE
NOTES SHEET 2 OF 2

SCALE	REVISION
NONE	
DWG No. UMS 759/2	
ORIGINAL SIZE A3	REVISION A