SKILLION ROOF PARK SHELTER

STEELWORK NOTES

S1. ALL WORKSHIPS AND MATERIAL SHALL BE IN ACCORDANCE WITH AS4100 & AS/NZS 1554.
S2. ALL STEEL SHALL BE IN ACCORDANCE WITH AS1163 GRADE C350SD FOR RECTANGULAR AND SQUARE HOLLOW SECTIONS U.N.O.
S3. ALL BOLTS TO BE METRIC HEXAGONAL TO AS1287 52 U.N.O.
S4. ALL BOLTS TO BE HOT DIP GALVANIZED TO AS 1274.
S5. ALL CLEARS AND GUIDERS TO BE 100mm FLATE TO AS/NZS 3678 GRADE 250 U.N.O.
S6. METAL ROOF CLADDING TO BE 0.42 SHW LIGHT CUSTOM Oddy WITH A COLOURED ONS FINISH OR APPROVED FINISH AS PER MANUFACTURER'S SPECIFICATIONS. COLOURED ONS AS PER PROJECT SPECIFICATION.
S7. ALL ROOF TRusses TO BE 6mm CONTINUOUS FILLET WELDS (CFW) STRUCTURAL PURPOSE (SP) WELDS U.N.O.
S8. ALL ROOF TRusses TO BE USED AS EX90 OR EXW90 GRADE 1 OR REITION ELECTRICALS TO AS/NZS 1554. GRIND ALL CORNERS & WELDS.
S9. ALL BOLT DIAMETERS HAVE BEEN INCREASED IN POST AND BEAM CONNECTIONS TO ALLOW FOR LONGER TERM DURABILITY.
S10. ALL STEELWORK TO BE HOT DIP GALVANIZED IN ACCORDANCE WITH AS/NZS 2362.5 1990 SPECIFICATION. EXCEPT IN MARINE ENVIRONMENT ZONES Refer TO NOTE 12. CORROSION PROTECTION COATING TO SUBSTRATE PREPARATION OF SUBSTRATE MATERIAL IS CLASS 2.5 TO AS 1867 AND PAINTED PRIOR GALVANISING. HZ5000 GALVANISED COATING SHALL BE IN ACCORDANCE WITH AS/NZS 4680.
S11. ANY POST GALVANISING DAMAGE TO BE MADE GOOD WITH HIGH QUALITY TWO PACK EPOXY 2ND TIER PAINT CONFORMING TO AS/NZS 3750.3. WITH A MINIMUM DRY FILM THICKNESS OF 100 MICRONS. SURFACE PREPARATION TO BE ACCORDING TO PAINT MANUFACTURER'S RECOMMENDATIONS.
S12. THE ENDS OF ALL TUBULAR OR HOLLOW MEMBERS ARE TO BE SEAMED WITH 4mm THICK PLATES AND CONTINUOUS FILLET WELDS U.N.O.
S13. THE PRINCIPAL CONTRACTOR SHALL CONFER WITH THE FABRICATOR AND GAVANISHER TO ENSURE VENT HOLES ARE PROVIDED IN ACCORDANCE WITH AS/NZS 4680.
S14. FOR MARINE ENVIRONMENTAL ZONES (WITHIN 8km OF THE SHORELINE), ALL STEEL MEMBERS, FASTENERS, INCLUDING BOLTS, NUTS, AND CLEARS SHALL BE STAINLESS STEEL. PLASTIC SEPARATORS SHALL BE PROVIDED TO AVOID CONTACT BETWEEN DISSIMILAR MATERIAL. STAINLESS STEEL GRADE 316 TO BE USED.
S15. COORDINATE WITH LIGHTING PROTECTION (REF 7.1) - REFER TO 800-10133.

STAINLESS STEEL:

1. BEFORE FABRICATION SUBMIT COPIES OF SHOP DRAWINGS FOR REVIEW. REVIEW DOES NOT INCLUDE DIMENSION CHECKING.
2. STAINLESS STEEL MATERIALS SHALL NOT BE STORED WITH CARBON STEEL.
3. TOOLS USED FOR CARBON STEEL SHALL NOT BE USED TO FABRICATE OR ASSEMBLE STAINLESS STEEL COMPONENTS.
4. THE STAINLESS STEEL SHALL BE WRAPPED OR OTHERWISE PROTECTED DURING TRANSPORT TO AVOID CONTAMINATION BY FERROUS PRODUCTS.
5. WELDING STEEL SHALL BE IN ACCORDANCE WITH AS1554.6.
6. LIMIT THE INPUT OF HEAT INTO THE WELD. THE WELD SHALL NOT BE PREHEATED, POST-HEATED OR STRESS RELIEVED.
7. GRADE 316L ELECTRODE SHALL BE USED FOR 316L.
8. WELDING SHALL BE CATEGORY 2B IN ACCORDANCE WITH AS1554.6.
9. SURFACE FINISHES OF WELDS SHALL BE GRADE 1, POLISHED USING 320 Grit OR Finer. STAINLESS CARBIDE ABED WITH LUBRICANTS. AFTER POLISHING, WELDS SHALL BE PASSIVATED USING NITRIC ACID IN ACCORDANCE WITH AS/NZS 4360.
10. ALL STAINLESS STEEL COMPONENTS SHALL HAVE A Finox 0.5mm AND PASSIVATED USING NITRIC ACID IN ACCORDANCE WITH AS/NZS 4360.
11. CHEMICAL ANCHOR AND BOLTS TO BE GRADE 316.

BI1 SNAKE CITY COUNCIL STANDARD DRAWING

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STAINLESS STEEL ROOF SHELTER STRUCTURAL NOTES (PAGE 2 OF 2)

STRUCTURAL DESIGN CERTIFICATION

Authorized By:

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BSD-10132