

STEELWORK NOTES

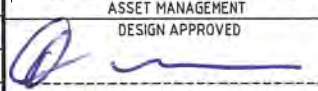
- S1. ALL WORKMANSHIP & MATERIALS SHALL BE IN ACCORDANCE WITH AS5100.6, AS4100 & AS/NZS1554 AS APPROPRIATE.
- S2. ALL STEEL SHALL BE IN ACCORDANCE WITH:
AS/NZS3679 GRADE 300 FOR HOT ROLLED SECTIONS
AS1163 GRADE C350L0 FOR RECTANGULAR HOLLOW SECTIONS
AS1163 GRADE C350L0 FOR CIRCULAR HOLLOW SECTIONS
- S3. ALL BOLTS TO BE METRIC HEXAGONAL TO AS/NZS1252 U.N.O.
ALL BOLTS TO BE M20 8.8/S TO AS/NZS 1252 U.N.O.
ALL BOLTS TO BE HOT DIP GALVANISED AS1214
ALL THREADS TO BE TREATED WITH 'LOC-TITE' TO RENDER TAMPER AND VIBRATION PROOF.
- S4. THE CONTRACTOR SHALL SUBMIT RPEQ CERTIFICATION CONFIRMING THE FOLLOWING TOGETHER WITH THE RELEVANT MILL AND TEST CERTIFICATES TO THE SUPERINTENDENT FOR APPROVAL PRIOR TO COMMENCING FABRICATION.
- THAT THE STRUCTURAL STEEL PRODUCTS SUPPLIED ARE FROM EITHER AN AUSTRALIAN OR OVERSEAS ACRS CERTIFIED MANUFACTURER. REFER www.steelcertification.com FOR CURRENT CERTIFICATE HOLDERS. ACRS REFERS TO "AUSTRALIAN CERTIFICATION AUTHORITY FOR REINFORCING AND STRUCTURAL STEELS".
 - THAT WHERE STRUCTURAL STEEL PRODUCTS ARE SOURCED FROM OVERSEAS FOR THIS PROJECT THE CERTIFYING ENGINEER HAS REVIEWED THE MILL AND TEST CERTIFICATES FROM THE SUPPLIERS OF THE STEEL PRODUCTS AND CONFIRMS THAT THEY COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS IN RELATION TO MATERIAL COMPOSITION AND STRENGTH.
 - THAT ALL BOLTS USED SHALL COMPLY WITH AS1252 AND THE CURRENT REQUIREMENTS OF THE AUSTRALIAN STEEL INSTITUTE ASI TECHNICAL NOTE TN001 VERSION 3.
- S5. ALL CLEATS AND GUSSETS SHALL BE 10mm PLATE TO AS/NZS3678 GRADE 300 U.N.O.
- S6. THE ENDS OF ALL TUBULAR MEMBERS ARE TO BE SEALED WITH 5mm THICK PLATES AND CONTINUOUS FILLED WELDED U.N.O.
- S7. WHERE MEMBERS SHOWN ON THE STRUCTURAL DRAWINGS ARE TO BE BENT, CURVED OR ROLLED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE METHODS REQUIRED TO ACHIEVE THE REQUIRED SHAPES WITHOUT LOCALISED DISTORTION OF THE MEMBERS.
- S8. BEFORE FABRICATION HAS COMMENCED, THE CONTRACTOR SHALL SUBMIT THREE (3) COPIES OF THE SHOP DRAWINGS TO THE SUPERINTENDENT FOR REVIEW. REVIEW DOES NOT INCLUDE CHECKING OF DIMENSIONS.
- S9. 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/NZS1554. GRIND ALL CORNERS & WELDS SMOOTH.
A RPEQ CERTIFICATION CONFIRMING THAT ALL WELDING WORKS HAVE BEEN INSPECTED AND CERTIFIED AS COMPLYING WITH AS1554 BY A QUALIFIED WELDING INSPECTOR APPOINTED BY THE CONTRACTOR SHALL BE SUBMITTED TO THE SUPERINTENDENT FOR APPROVAL PRIOR TO THE STEELWORK BEING GALVANISED.
- S10. ALL STEELWORK TO BE HOT DIP GALVANISED IN ACCORDANCE WITH AS/NZS2312 HDG600 SPECIFICATION. CORROSION PROTECTION COATING TO SURFACE PREPARATION OF SUBSTRATE MATERIAL IS CLASS 2½ TO AS1627 AND PICKLED PRIOR GALVANISING. HOT DIPPED GALVANISED COATING SHALL BE IN ACCORDANCE WITH AS/NZS4680.
- S11. THE PRINCIPAL CONTRACTOR SHALL CONFER WITH THE FABRICATOR AND GALVANISER TO ENSURE VENT HOLES ARE PROVIDED IN ACCORDANCE WITH AS/NZS 4680.
- S12. PROTECTIVE COATINGS TO BE APPLIED AFTER ALL FABRICATION COMPLETED. NO WELDING ETC TO BE CARRIED OUT DURING OR AFTER APPLICATION OF COATING SYSTEM.
- S13. ANY POST GALVANISING DAMAGED TO BE MADE GOOD WITH A HIGH QUALITY TWO PACK EPOXY ZINC RICH PAINT CONFORMING TO AS/NZS3750.9 WITH A MINIMUM DRY FILM THICKNESS OF 100 MICRONS. SURFACE PREPARATION AS PER PAINT MANUFACTURER'S RECOMMENDATIONS.

SAFETY IN CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL BE EXPERIENCED AND COMPETENT TO CARRY OUT THE PROPOSED WORKS IN ACCORDANCE WITH ALL APPLICABLE CURRENT CONSTRUCTION INDUSTRY CODES OF PRACTICE, AUSTRALIAN STANDARDS AND WORKPLACE HEALTH AND SAFETY REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MITIGATING THE RISKS RELATING TO THE CONSTRUCTION OPERATIONS INCLUDING BUT NOT LIMITED TO THE FOLLOWING;
 - ALL DEMOLITION WORKS
 - ALL TEMPORARY WORKS
 - MAINTAINING A SAFE WORKPLACE BY PROVIDING SAFE ACCESS TO ALL WORK AREAS AND THE USE OF APPROPRIATE PROTECTIVE EQUIPMENT
 - LIFTING OF MATERIALS
 - PROVIDING STABLE PLATFORMS FOR CRANES, PILING RIGS AND OTHER CONSTRUCTION MACHINERY
 - EXCAVATIONS
 - NOISE, DUST, VAPOUR, WASTE AND VIBRATION CONTROL
 - PROTECTION OF AND PROTECTION FROM EXISTING OVERHEAD AND UNDERGROUND SERVICES
 - CONTACT QLD DIAL BEFORE YOU DIG (DBYD) FOR ALL UNDERGROUND SERVICES
 - PROTECTION OF NEIGHBOURING PROPERTIES/ADJACENT EXISTING STRUCTURES
 - ENVIRONMENTAL PROTECTION AND MANAGEMENT
 - MANAGEMENT OF CONTAMINATED/HAZARDOUS MATERIALS
 - TRAFFIC AND PEDESTRIAN MANAGEMENT
 - SITE LIGHTING AND SECURITY
2. ALL TEMPORARY WORKS, LIFTING OPERATIONS, EXCAVATIONS AND PLATFORMS FOR CONSTRUCTION MACHINERY SHALL BE DESIGNED AND CERTIFIED BY THE CONTRACTOR'S REGISTERED PROFESSIONAL ENGINEER (RPEQ) EXPERIENCED IN THE RELEVANT FIELDS.

INSPECTIONS AND CERTIFICATION NOTES

1. ARRANGE & PAY ALL COSTS FOR A REGISTERED PROFESSIONAL STRUCTURAL ENGINEER AND A GEOTECHNICAL ENGINEER (RPEQ) TO INSPECT AND CERTIFY ALL CONSTRUCTION WORK AS SPECIFIED IN THE CONTRACT.
2. THE CONSTRUCTION CERTIFICATE SHALL STATE THAT ALL CONSTRUCTION WORKS HAVE BEEN CARRIED OUT AS PER THE MOST CURRENT ISSUE OF THE CONTRACT DOCUMENTS AND SITE INSTRUCTIONS/VARIATION ORDERS ISSUED DURING CONSTRUCTION BY CITY PROJECTS OFFICE.

STRUCTURAL DESIGN CERTIFICATION																																							
DESIGN			DESIGN CHECK			AUTHORISED FOR ISSUE																																	
<i>Shangji Hu</i> Zhuangzhi Hu RPEQ:13885 2015.03.19 14:02:26 +10'00'			<i>L. Hu</i> Lanta Mendis RPEQ:8910 2015.03.20 09:35:56 +10'00'			<i>Bale</i> Balekumar, RPEQ:3963 2015.03.20 14:04:21 +10'00'																																	
BRISBANE CITY COUNCIL STANDARD DRAWING																																							
PARK NAME SIGNAGE – GENERAL STRUCTURAL NOTES – SHEET 2 OF 6						SCALE 1:20		DWS No. BSD-10510																															
						ORIGINAL SIZE A3		REVISION A																															
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