



SIDE ELEVATION

STEELWORK NOTES:

1. STEELWORK TO BE IN ACCORDANCE WITH AS 4100. FABRICATION TO BE CARRIED OUT IN ACCORDANCE WITH SECTION 14 OF AS 4100. ERECTION TO BE CARRIED OUT IN ACCORDANCE WITH SECTION 15 OF AS 4100.
2. UNLESS NOTED OTHERWISE, STEEL IS TO BE OF THE FOLLOWING GRADE;

UB's, UC's, PFC's & LARGE ANGLES TO AS/NZS 3679.1	GRADE 300
WELDED SECTIONS TO AS/NZS 3679.2	GRADE 300
HOT ROLLED PLATES, FLOOR PLATES AND SLABS TO AS AS/NZS 3678	GRADE 250
HOLLOW SECTIONS TO AS 1163	GRADE C350
COLD FORMED PURLINS AND GIRTS TO AS 1397	GRADE G450 Z350
3. THE STEEL FABRICATOR IS TO SUPPLY THE ENGINEER WITH WORKSHOP FABRICATION DRAWINGS. FABRICATION SHALL NOT COMMENCE WITHOUT THE STRUCTURAL ENGINEERS APPROVAL OF THESE DRAWINGS. DIMENSIONS AND SETOUTS TO BE OBTAINED FROM ARCHITECTURAL DRAWINGS WHERE NOT INDICATED ON STRUCTURAL DRAWINGS.
4. THE FABRICATOR SHALL PROVIDE CLEATS AND DRILL HOLES NECESSARY FOR FIXING OTHER ELEMENTS TO THE STEEL WHETHER OR NOT DETAILED ON THE STRUCTURAL DRAWINGS.
5. THE FABRICATION AND ERECTION OF STRUCTURAL STEELWORK IS TO BE SUPERVISED BY A PERSON QUALIFIED IN SUCH SUPERVISION, IN ORDER TO ENSURE ALL DESIGN REQUIREMENTS ARE MET.
6. BEAMS AND RAFTERS TO BE INSTALLED WITH NATURAL CAMBER UP.

7. MEMBERS SHALL BE SUPPLIED IN SINGLE LENGTHS. SPLICES ARE PERMITTED ONLY WHERE SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS.
8. STEELWORK SHALL BE TEMPORARILY BRACED TO STABILISE THE STRUCTURE DURING ERECTION.
9. UNLESS NOTED OTHERWISE;
 - BOLTS TO BE M20 8.8/S
 - CONNECTIONS SHALL HAVE A MINIMUM OF 2 BOLTS
 - BOLTS AND WASHERS SHALL BE GALVANISED
 - HOLES SHALL BE 2mm LARGER THAN THE BOLT DIAMETER
 - BOLTS TO BE IN ACCORDANCE WITH AS 1252
10. WELDING TO BE CARRIED OUT IN ACCORDANCE WITH AS 1554.1 UNLESS NOTED OTHERWISE;
 - FILLET WELDS SHALL BE 6mm C.F.W. SP USING 48XX ELECTRODES
 - BUTT WELDS SHALL BE COMPLETE PENETRATION SP TO AS 1554.1
 RADIOGRAPHIC OR ULTRASONIC EXAMINATION TO BE IN ACCORDANCE WITH AS1554.1, AS2177.1 AND AS2207 AS APPROPRIATE.
11. STEELWORK NOT TO BE ENCASED BY CONCRETE SHALL BE PROTECTED FROM CORROSION IN THE FOLLOWING MANNER; THE STEELWORK IS TO BE CLEANED TO AN AS 1627 CLASS POWER BRUSH PREPARATION AND GIVEN 1 COAT '215 RUST FIGHTER' TO GIVE A DRY FILM THICKNESS OF 40 MICRONS BEFORE DISPATCH TO SITE.
12. STEELWORK TO BE ENCASED IN CONCRETE SHALL BE UNPAINTED. ENCASED CONCRETE SHALL BE GRADE N25 PROVIDING ADEQUATE COVER TO SUIT FIRE RATING OR EXPOSURE CONDITIONS. CONCRETE ENCASED SHALL BE REINFORCED WITH 5mm WIRE TO AS 4617 OR 6mm STRUCTURAL GRADE BARS TO AS 4617 AT 150mm PITCH WHERE NOT INDICATED ON STRUCTURAL DRAWINGS.

LOADING NOTES:

1. T44 LOADING
2. LOW SPEED 15km/hr
3. PRIVATE BRIDGE
4. 100mm HIGH KERB TO PREVENT VEHICLE FROM WANDERING.

A	07/02/05	ISSUE FOR CONSTRUCTION	A.B.
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Client: ACCESS TRADING COMPANY PTY LTD			
Scale: 1:50 @ A3		Design: P.Xeros	
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