CONCRETE NOTES

1. ALL REFERENCED STANDARDS SHALL BE THE LATEST REVISION.
2. ALL CONCRETE MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 3600.
3. MINIMUM COMPRESSIVE STRENGTH f'c SHALL BE 40 MPa AT 28 DAYS.
4. ALL CEMENTS SHALL BE BLENDED WITH BLAST FURNACE SLAG AND FLY ASH IN ACCORDANCE WITH AS 3600.
5. EXPOSURE CLASSIFICATION IS B1/B2/C. (DELETE AS REQUIRED)
6. MINIMUM CONCRETE MIX REQUIREMENTS ARE:
   EXPOSURE CLASSIFICATION B2
   STRENGTH GRADE S32
7. CONCRETE SLUMP SHALL BE 80-100mm U.N.O.
8. MAXIMUM AGGREGATE SIZE SHALL BE 20mm U.N.O.
9. COARSE AGGREGATE SHALL BE BLAST FURNACE SLAG AGGREGATE (U.N.O.) TO AS 2758.1.
10. MINIMUM COVER SHALL BE (U.N.O.):
    40 mm - GENERAL EXPOSED CONDITIONS.
    40 mm - SELECTED ENCLOSED BUILDINGS.
11. EXPOSED CONCRETE SURFACES SHALL BE CONTINUOUSLY MOIST CURED IMMEDIATELY AFTER FINISHING FOR A MINIMUM OF 7 DAYS UNDER AMBIENT CONDITIONS OR SHALL BE COVERED WITH AN APPROVED CURING COMPOUND WITHIN 2 HOURS OF FINAL SET OR STRIPPING.
12. CHEMICAL ADMIXTURES SHALL NOT BE USED WITHOUT THE APPROVAL OF BLUESCOPE STEEL AND SHALL CONFORM TO AS 1478.1.
13. ALL GROUTING SHALL BE NON-SHRINK, NON-METAL FINE AGGREGATE MIX, WITH A MINIMUM COMPRESSIVE STRENGTH OF 50 MPa AT 28 DAYS.
14. ALL JOINTS BETWEEN EXISTING AND NEW CONCRETE SHALL BE THOROUGHLY SCABBLED, CLEANED AND GIVEN A COAT OF A SUITABLE CONCRETE BONDING AGENT BEFORE PLACING FRESH CONCRETE.
15. REINFORCEMENT SHALL BE (U.N.O.):
    D500N BARS IN ACCORDANCE WITH AS/NZS 4671.
    D500L WELDED MESH IN ACCORDANCE WITH AS/NZS 4671.
    GALVANISED D500N BARS IN ACCORDANCE WITH AS/NZS 4671 AND AS/NZS 4680.
    (DELETE AS REQUIRED)
16. ALL GALVANISED ITEMS SHALL BE PASSIVATED IN A 0.2% SODIUM DICHROMATE SOLUTION APPLIED BY THE GALVANISER.
17. ONLY GALVANISED TIE-WIRES, BAR CHAIRS, FERRULES, TIE BACKS AND ASSOCIATED FITMENTS SHALL BE USED WITH GALVANISED REINFORCEMENT. ALL NON-GALVANISED CAST IN ITEMS SHALL BE COATED WITH 2 COATS OF AN APPROVED EPOXY RESIN WHERE IN CONTACT WITH GALVANISED ITEMS.
18. ANY DAMAGE TO GALVANISED COATINGS BY SCHEDULING, HANDLING OR FIXING SHALL BE REPAIRED WITH 2 COATS OF ZINC-RICH ORGANIC PAINT IN ACCORDANCE WITH AS/NZS 4680.
19. STRUCTURAL CONCRETE SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED FOR THE FOLLOWING LIVE LOADS 5.0 kPa

STEEL PILING NOTES

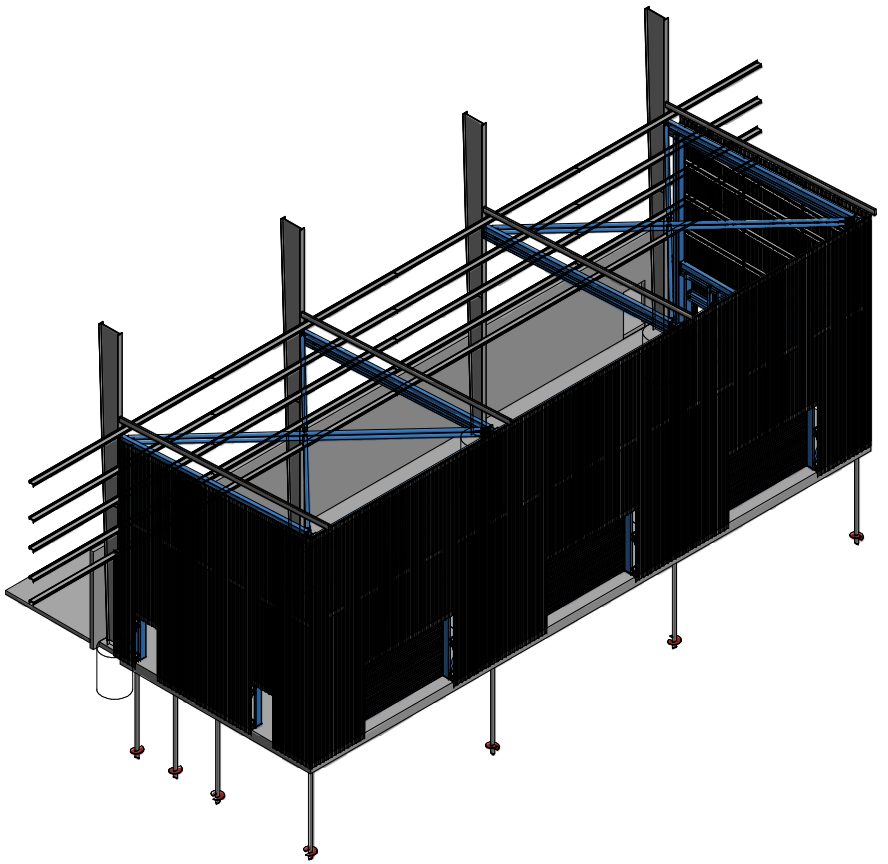
1. ALL REFERENCED STANDARDS SHALL BE THE LATEST REVISION.
2. ALL STEEL PILE SECTIONS SHALL BE 141.3 x 4.8 CHS SECTION U.N.O.
3. DESIGN AND INSTALLATION OF STEEL PILING SHALL CONFORM TO THE REQUIREMENTS OF AS 2159
4. ALL STEEL PILE SPLICES SHALL BE IN ACCORDANCE WITH DRAWING 519804 AND ALL WELDING TO COMPLY WITH WELDING CODE AS/NZS 1554.1 WELD CATEGORY SP.
5. REFER TO PILING SCHEDULE FOR INDIVIDUAL PILE DESIGN LOADS AND CUT OFF LEVELS.
6. ALL STEEL SCREW PILES SHALL BE DRIVEN TO EXTREMELY WEATHERED SHALE.
7. ALL PILES SHALL BE PEGGED AND DRIVEN TO WITHIN 75 mm OF DIMENSIONS SHOWN (U.N.O.)

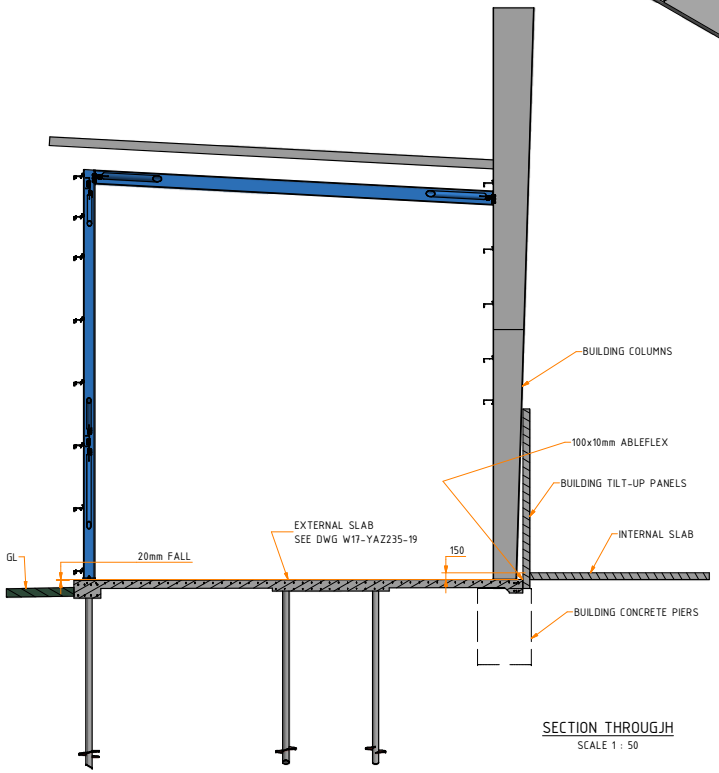
SLAB LOADING: AS 1170.1-2002
LIVE LOADING: 5.0 kPa

WIND LOADING: AS 1170.2-2011
AVERAGE RECURRENCE INTERVAL ULS: R = 500 YRS
AVERAGE RECURRENCE INTERVAL SLS: R = 20 YRS
WIND TERRAIN CATEGORY: 2.5
WIND REGION: A2
SHIELDING CLASSIFICATION Ms= 1.0
TOPOGRAPHIC CLASSIFICATION Mt =1.0
REGIONAL WIND SPEED ULS: 45 m/s
REGIONAL WIND SPEED SLS: 37 m/s

STRUCTURAL STEEL NOTES

1. ALL REFERENCED STANDARDS SHALL BE THE LATEST REVISION.
2. FABRICATION AND ERECTION SHALL BE TO AS 4100.
3. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
4. ALL DIMENSIONS GIVEN FOR MATERIAL ARE GROSS DIMENSIONS WITH NO REDUCTION FOR FABRICATION ALLOWANCES, EG: ROOT GAPS AND SHRINKAGE ALLOWANCES.
5. ALL MATERIAL SHALL BE TO AS/NZS 3678-250, AS/NZS 3679.1-300 OR AS/NZS 3679.2-300 U.N.O.
6. MAXIMUM CUT SURFACE ROUGHNESS SHALL BE TO AWRA CLASS 2 (APPROX 12 MICRO METRES Ra) U.N.O.
7. ITEM LETTERS FOLLOWED BY DRAWING NO. (EG A-004) AND ORIENTATION SHALL BE CLEARLY MARKED ON ALL ITEMS.
8. ALL BOLTS SHALL BE HIGH STRENGTH (BOLTING PROCEDURE 8.8/S) TO AS/NZS 1252. ALL NUTS SHALL BE PROPERTY CLASS 8 TO AS/NZS 1252 WITH HARDENED STEEL WASHERS TO AS/NZS 1252 U.N.O.
9. ALL BOLT HOLES SHALL BE DRILLED AS NOTED.
10. ALL HIGH STRENGTH BOLTED JOINTS SHALL BE IN ACCORDANCE WITH AS 4100.
11. PERMANENT MARKS SHALL BE APPLIED TO ALL ASSEMBLED HIGH STRENGTH BOLTS AND NUTS (TB OR TF) TO INDICATE SNUG-TIGHT POSITION.
12. WELDING SYMBOLS ARE TO AS 1101.3.
13. ALL WELDING AND WELD PREPARATION SHALL BE TO AS/NZS 1554.1 (WELD CATEGORY SP) / AS/NZS 1554.5 U.N.O.
14. QUALIFIED WELD PROCEDURES AND WELDER QUALIFICATIONS SHALL BE MADE AVAILABLE ON REQUEST.
15. WELD CONSUMABLE ULTIMATE TENSILE STRENGTH SHALL BE NOT LESS THAN THAT OF THE PARENT MATERIAL.
16. ALL FILLET WELDS SHALL BE 6mm CONTINUOUS U.N.O.
17. NON DESTRUCTIVE TESTING SHALL BE MP (MAGNETIC PARTICLE) 10%, UT (ULTRASONIC TESTING) 10% U.N.O.
18. FOR MATERIAL THICKNESS GREATER THAN 15MM, ALL WELDING CONSUMABLES SHALL BE LOW HYDROGEN.
19. WHERE FLUX CORED WELDING CONSUMABLES ARE SPECIFIED, A MAXIMUM HYDROGEN RATING OF H5 SHALL NOT BE EXCEEDED.
20. ALL WELDING SHALL BE TO THE SATISFACTION OF THE WELDING INSPECTOR.





SECTION THROUGJH
SCALE 1 : 50

DRAWING LIST

YAZ235-01 - EXTENSION STEELWORK GENERAL ARRANGEMENT
YAZ235-02 - EXTENSION STEELWORK DETAILS AND SHEETING
YAZ235-03 - EXTENSION STEELWORK GIRTS ARRANGEMENT
YAZ235-04 - EXTENSION STEELWORK ASSEMBLY SHEET 1
YAZ235-05 - EXTENSION STEELWORK ASSEMBLY SHEET 2
YAZ235-06 - EXTENSION STEELWORK ASSEMBLY DETAILS
YAZ235-07 - EXTENSION STEELWORK COLUMNS SHEET 1
YAZ235-08 - EXTENSION STEELWORK COLUMNS SHEET 2
YAZ235-09 - EXTENSION STEELWORK COLUMNS SHEET 3
YAZ235-10 - EXTENSION STEELWORK COLUMNS SHEET 4
YAZ235-11 - EXTENSION STEELWORK BEAMS SHEET 1
YAZ235-12 - EXTENSION STEELWORK BEAMS SHEET 2
YAZ235-13 - EXTENSION STEELWORK BEAMS SHEET 3
YAZ235-14 - EXTENSION STEELWORK BEAMS SHEET 4
YAZ235-15 - EXTENSION STEELWORK BRACING SHEET 1
YAZ235-16 - EXTENSION STEELWORK BRACING SHEET 2
YAZ235-17 - EXTENSION STEELWORK GIRTS DETAILS SHEET 1
YAZ235-18 - EXTENSION STEELWORK GIRTS DETAILS SHEET 2
YAZ235-19 - EXTENSION FOUNDATIONS GENERAL ARRANGEMENT AND SECTIONS

REVISION HISTORY

	DRAWN	CHECKED	RESP. ENG	APPROVED
2	YZ	YZ		
	DATE: 21/12/17	JOB No:		

DRG STATUS: APPROVED FOR CONSTRUCTION
SECTION ADDED

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'Delivering Our Promise'

DRAWN D. FOSTER
CHECKED D. LESTER
RESPONSIBLE ENGINEER Y. ZARANIS
APPROVED
DATE ISSUED DEC '17

RESOURCE CO
BALER AND WRAPPER STRUCTURE
EXTENSION STEELWORK
NOTES AND 3D ISOMETRIC

SCALE: NTS
FILENAME: YAZ235-00-REV 2.idw
CAD PRINTED:
B1
DRAWING No: YAZ235-00
DRG STATUS: APPROVED FOR CONSTRUCTION
REV 2
PEA JOB No: W17-YAZ235

0 FULL SIZE 50 100 150 200 250 300