

A B C	D E F	G H J K
GENERAL NOTES	SOIL PREPERATION NOTES	ANCHOR NOTES
THESE DOCUMENTS DESCRIBE THE STRUCTURAL DESIGN OF THE COMPLETED STRUCTURE ONLY. CHECK ALL DIMENSIONS ON SITE.	1. REMOVE ALL TOPSOIL, VEGETATION AND DELETERIOUS FILL MATERIAL. FILL ALL HOLES WITH CLEAN SAND FILL. 2. ALL SUBGRADE SOIL TO BE COMPACTED TO ACHIEVE MIN 8 BLOWS/300mm FOR THE TOP 900mm WHEN TESTED.	"MEDIUM DUTY ANCHORS" WHERE SPECIFIED ARE REQUIRED TO ACHIEVE MINIMUM LOAD CAPACITIES AS SPECIFIED IN THE FOLLOWING TABLE FOR THE APPROPRIATE ANCHOR SIZE AND FIXING SUBSTRATE:
3. ALL MATERIAL AND WORK SHALL CONFORM TO THE BUILDING CODE OF AUSTRALIA.	WITH A PERTH SAND PENETROMETER. ALL FILL TO BE COMPACTED FOR ITS FULL DEPTH.	MEDIUM DUTY ANCHOR MINIMUM CAPACITY TABLE
 READ ALL ENGINEERING DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. ANY DISCREPANCIES BETWEEN ENGINEERING AND ARCHITECTURAL DRAWINGS SHALL BE CONFIRMED PRIOR TO COMPLETING 	(b) LIMESTONE TO BE FREE FROM SAND, ROOTS AND OTHER DELETERIOUS MATTER WITH MAX SPALLS SIZE 75mm.	FIXING SUBSTRATE: CONCRETE (25MPa MIN)
TENDER/CONSTRUCTION. 5. IN ACCORDANCE WITH THE REQUIREMENTS OF AS/NZS 5131 THE CONSTRUCTION CATEGORIES FOR THIS	(c) COMPACT SUB-BASE TO ACHIEVE MIN 95% OF MODIFIED MAXIMUM DRY DENSITY, OR AS OTHERWISE SPECIFIED BY THE GEOTECHNICAL REPORT.	ANCHOR PULL OUT (kN) SHEAR (kN)
PROJECT ARE:	(d) SUB-BASE TO BE FINISHED TO ENSURE CONCRETE THICKNESS DOES NOT VARY BY MORE THAN 5%. A 50mm	M8 4.00 5.00
ELEMENT IMPORTANCE LVL SERVICE CAT FABRICATION CAT CONSTRUCTION CAT.	(NOMINAL) LAYER OF CRUSHED FINES MAY BE PROVIDED AS REQUIRED TO SUIT. FINES ARE TO BE COMPACTED TO ACHIEVE MIN 95% OF MODIFIED MAXIMUM DRY DENSITY.	M10 5.00 6.00 M12 7.00 10.00
ALL STRUCTURAL STEELWORK IL2 SC1 FC1 CC2	MASONRY NOTES	M16 9.00 15.00
6. DO NOT SCALE FROM THESE DRAWINGS.	 ALL MASONRY SHALL COMPLY WITH AS 3700. MORTAR TO BE M3 EXCEPT PROJECTS LOCATED WITHIN 1km 0F 	FIXING SUBSTRATE: MASONRY (12MPa MIN)
 THE METHOD OF CONSTRUCTION & THE MAINTENANCE OF SAFETY DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. IF ANY STRUCTURAL ELEMENT PRESENTS DIFFICULTY IN RESPECT OF CONTRACTIBILITY OR 	THE OCEAN MORTAR TO BE M4 CLASSIFICATION. CEMENTS OTHER THAN TYPE GP PORTLAND CEMENT & 100% WHITE PORTLAND CEMENTS SHALL NOT BE USED.	ANCHOR PULL OUT (kN) SHEAR (kN) MB 0.65 3.80
SAFETY, THE MATTER SHALL BE REFERRED TO THE STRUCTURAL ENGINEER FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK	 PROVIDE TWO LAYERS OF PGI OVER SLAB LOADED WALLS EXCEPT RETAINING & SHEAR WALLS. BEAR ONTO CLEAN BRICKWORK FOR TOP OF RETAINING & SHEAR WALLS. 	M10 0.65 4.20
8. DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION & NO PART SHALL BE	3. BUILDER TO ASSESS ALL HORIZONTAL CHASING TO ENSURE THAT STRUCTURE IS NOT JEOPARDIZED. CONTACT	M12 0.70 4.20
OVERLOADED. TEMPORARY BRACING SHALL BE PROVIDED BY THE CONTRACTOR IN ORDER TO KEEP THE BUILDING WORKS & EXCAVATIONS STABLE AT ALL TIMES.	THE ENGINEER IF UNSURE. 4. ALL STEELWORK TO BE MINIMUM GRADE 300 (MPa) IN ACCORDANCE WITH AS/NZS 3679.1.	2. REFER TO THE MANUFACTURER TO CONFIRM CAPACITIES.
 AT END OF BUILDING SERVICE LIFE, BUILDING OWNER TO ENGAGE A QUALIFIED & REGISTERED REMEDIATION CONTRACTOR TO SAFELY DEMOLISH THE STRUCTURE. A QUALIFIED STRUCTURAL ENGINEER SHOULD ALSO BE 	 A BRICK COURSE, AS REFERRED TO IN THIS DOCUMENT IS STANDARD 86mm HIGH. A BLOCK COURSE IS STANDARD 200 HIGH. 	3. INSTALL ALL ANCHORS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. 4. MINIMUM SPACING AND EDGE DISTANCE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S
ENGAGED TO ASSIST WITH CONDITION ASSESSMENT & SAFE REMEDIATION PROCEDURES.	MASONRY WALLS DESIGNED TO COMPLY WITH AS3700 AND PROVISION P2.1 OF THE NCC.	SPECIFICATIONS.
DESIGN CRITERIA 1. LOADS INCLUDED IN THE DESIGN OF THE STRUCTURE ARE AS DEFINED IN AS1170 PART 1: 2002 - DEAD AND LIVE LOADS,	 L6 WIRES TO HAVE 20 COVER FROM FACE OF BRICKWORK. MIN 500 LAP LENGTHS. WIRES IN BRICKWORK SHALL BE TREATED FOR CORROSION PROTECTION IN ACCORDANCE WITH TABLE 3.4.4.2 	5. REFER BACK TO THE ENGINEER IN THE EVENT THAT THESE CAPACITIES CAN NOT BE ACHIEVED. 6. ALL CHEMICAL AND MECHANICAL ANCHORS ARE TO BE TREATED IN ACCORDANCE WITH CLAUSE 3.4.4.4
AS1170 PART 2: 2011 - WIND LOADS AND AS1170 PART 4: 2007 - EARTHQUAKE LOADS AND LISTED BELOW.	"PROTECTIVE COATINGS FOR STEELWORK" OF THE NCC. 9. ALL WALLS SUPPORTING UPPER FLOOR TO HAVE A MINIMUM CHARACTERISTIC UNCONFINED COMPRESSIVE	"CORROSION PROTECTION" OF THE NCC.
2. LIVE LOADS:	STRENGTH FOR MASONRY UNIT OF 12MPa IN ACCORDANCE WITH AS3700.	REMEDIATION NOTES
LOCATION LIVE LOAD (kN/sqm)	10. ALL BRICKS ARE TO BE LAID ON A FULL BED OF MORTAR AND ALL PERPENDS ARE TO BE FULLY MORTARED.	1. NO EXISTING STRUCTURAL SUPPORTING MEMBERS ARE TO BE REMOVED OR MODIFIED UNTIL ALL OF THE NEW PERMANENT STRUCTURE IS FULLY ERECTED AND CAN FULLY SUPPORT THE EXISTING STRUCTURE TO BE RETAINED.
GROUND SLAB 5.0kPa	TIMBER FRAMING NOTES 1. ALL TIMBERWORK TO BE IN ACCORDANCE WITH	2. EXISTING STRUCTURAL SUPPORTING MEMBERS ARE ONLY TO BE REMOVED ONCE THE REQUIREMENTS OF NOTE 1
SUSPENDED FLOOR (UNO) 3.0kPa ROOF 0.25kPa	(a) AS1684 - 'RESIDENTIAL TIMBER FRAMED CONSTRUCTION'.	ABOVE ARE MET, AND THE BUILDER HAS HAD A QUALIFIED ENGINEER INSPECT THE WORKS. 3. IF ANY EXISTING STRUCTURAL SUPPORTING MEMBER IS TO BE REMOVED OR MODIFIED PRIOR TO THE PERMANENT
BALCONY 0.25KPa	(b) AS1720.1 - 'TIMBER STRUCTURES PART 1: DESIGN METHODS'. (c) NATIONAL CONSTRUCTIONS CODE SERIES (NCC)	STRUCTURE BEING FULLY ERECTED, THEN A FULLY QUALIFIED/CERTIFIED/LICENSED REMEDIATION CONTRACTOR MUST BE USED WHO WILL CARRY OUT NECESSARY DOCUMENTATION WORK PROCEDURES, WORK METHODS AND
3. WIND LOADS:	2. ROOF TIMBER TO TIMBER CONNECTION TO BE VIA 10 PL ANGLE CLEAT AND BOLTS TO EACH LEG AS NOTED BELOW. U.N.O.	HAVE THEIR OWN QUALIFIED ENGINEER CHECK ALL ASPECTS OF THE WORK AS REQUIRED BY THE RELEVANT
WIND REGION A. TERRAIN CATEGORY 2.5	SECTION SIZE END DISTANCE BOLTS	OCCUPATIONAL HEALTH AND SAFETY STANDARDS. 4. THE BUILDER IS TO ALLOW FOR TEMPORARY PROPPING, BRACING, SHORING, STABILISATION AND THE LIKE OF ALL
$M_s = 1.0$ (NO SHIELDING), $M_t = 1.0$ (NOT LOCATED ON WINDWARD SIDE OR CREST OF A HILL). VULTIMATE = 45 m/s, VSERVICE = 37 m/s	UP TO 200 60 2M12	PARTS OF THE EXISTING STRUCTURE DURING THE WORKS.
4. EARTHQUAKE LOADING: IMPORTANCE LEVEL 2, Z = 0.09 (MANJIMUP), EDCII IN ACCORDANCE WITH AS1170.4 - EARTHQUAKE ACTIONS IN AUSTRALIA.	UP TO 300 80 2M16 UP TO 360 80 3M16	5. BUILDER TO ALLOW FOR THEIR STRUCTURAL ENGINEER TO PROVIDE INSPECTIONS AND OR DETAILS AND REPORTS AS REQUIRED DURING THE COURSE OF THE WORK, TO ENSURE THE EXISTING AND NEW WORK IS STRUCTURALLY
5. BEARING PRESSURE: FOOTINGS HAVE BEEN DESIGNED BASED ON A MINIMUM ALLOWABLE BEARING	OVER 360 80 4M16	STABLE AND SAFE AT ALL TIMES AND THE REQUIREMENTS OF ALL THESE NOTES ARE MET. 6. THE BUILDER MUST CHECK ALL ELEMENTS FOR STRENGTH AND SOUNDNESS AT ALL TIMES PRIOR TO WORK
PRESSSURE OF 100kPa.	3. ROOF TO BE TIED DOWN TO RESIST UPLIFT, AS REQUIRED IN AS1684 - "RESIDENTIAL TIMBER FRAMED CONSTRUCTION".	COMMENCINGON A PARTICULAR AREA. THE BUILDER IS TO ALLOW FOR THEIR STRUCTURAL ENGINEER FOR ADVICE
CONCRETE NOTES 1. ALL CONCRETE SHALL BE IN ACCORDANCE WITH AS 3600 - CONCRETE STRUCTURES CODE. BLENDED CEMENT	 PARAPET FLASHING TO BE OVER PARAPET, NOT THROUGH. ALL GUTTERS, FLASHING AND CLADDING TO ARCHITECTURAL DETAILS. 	ON REPAIR OR STABILISATION IF REQUIRED. 7. THE DRAWINGS PROVIDE LIMITED DETAIL OF THE EXISTING STRUCTURE. THE BUILDER SHALL VERIFY THE
SHALL CONFORM WITH AS 3972.	5. ROOF BEAMS TO BE PLACED HORIZONTALLY U.N.O. AND MAY BE USED TO SUPPORT INDEPENDENT CEILING MEMBERS. 6. ALL STRUTTING BEAMS TO BE LATERALLY RESTRAINED IN ACCORDANCE WITH AS1684 AND MANUFACTURER'S REQUIREMENTS.	INFORMATION AND DETAILS OF ELEMENTS AT THE TIME OF OPENING UP THE WORKS AND REPORT ANY
2. REFER TO TABLE FOR CONCRETE STRENGTH. 3. REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE FOLLOWING STANDARDS:	 TIMBER WALL PLATES FIXED TO SIDE OF PARAPET WALL (INCLUDING CEILING WALL PLATES) TO BE CONNECTED USING 	DISCREPANCIES TO THE ARCHITECT OR ENGINEER IMMEDIATELY AS THEY ARE DISCOVERED.
R INDICATES PLAIN REINFORCING BAR R250N TO AS/NZS 4671.	M10 MEDIUM DUTY ANCHORS AT 600 c/c INTO BRICKWORK. U.N.O. 8. TIMBER WALL FRAMES TO BE MANUFACTURED IN ACCORDANCE WITH NOTE 1. & TO STANDARD BUILDING PRACTICE.	EXISTING STRUCTURE NOTES 1. IT IS CONSIDERED THAT THE PROPOSED ALTERATIONS AND ADDITIONS WILL NOT HAVE AN ADVERSE
L INDICATES PLAIN OR DEFORMED WIRE R500L OR D500L TO AS/NZS 4671. RL INDICATES DEFORMED RECTANGULAR MESH D500RL TO AS/NZS 4671.	9. LOCATE DOUBLE STUD (DS) UNDER ALL ROOF BEAMS.	EFFECT ON THE OVERALL STRUCTRUAL STABILITY OF THE BUILDING.
SL INDICATES DEFORMED SQUARE MESH D500L TO AS/NZS 4671.	 TIMBER TOP PLATES OVER MASONRY WALLS TO BE CONNECTED AT 1000 CENTRES U.N.O. USING ONE OF THE FOLLOWING ALTERNATIVES. 	2. ADDITIONAL DEFLECTIONS TO THE EXISTING STRUCTURE MAY OCCUR AS A RESULT OF THE INSTALLATION AND USE OF THE PROPOSED REFURBISHMENT WORKS. THESE ADDITIONAL DEFLECTIONS ARE EXPECTED TO BE OF
N INDICATES DEFORMED BARS D500N TO AS/NZS 4671. S INDICATES DEFORMED BARS D250N TO AS/NZS 4671.	(a) M10 MEDIUM DUTY CHEMICAL ANCHORS MINIMUM 150mm INTO BRICKWORK.	AESTHETIC CONSEQUENCE ONLY (NON-STRUCTURAL) HOWEVER MAY RESULT IN CRACKING OF BRITTLE FINISHES. 3. ADDITIONAL DEFLECTIONS TO THE EXISTING STRUCTURE MAY OCCUR AS A RESULT OF THE PROPOSED
TM SUFFIX INDICATES TRENCH MESH USING DEFORMED BARS D500L TO AS/NZS 4671. 4. REINFORCEMENT SHALL BE PLACED WITH ACCURATE COVER AS PER TABLE BELOW.	(b) PLACE 12mm DIA ROUND BARS INTO BRICKWORK (THROUGH TOP PLATE) MINIMUM 150mm. PROTRUDE MIN 5mm THROUGH TOP OF TOP PLATE. HOLE DRILLED THROUGH TOP PLATE AND INTO BRICKWORK NOT TO EXCEED 1mm OVERSIZE	ALTERATIONS AND ADDITIONS. THESE ADDITIONAL DEFLECTIONS ARE EXPECTED TO BE OF A ESTHETIC
5. ALL GALVANIZED ITEMS WHICH ARE CAST INTO CONCRETE ARE TO BE PASSIVATED IN A 0.2% SODIUM	DIAMETER. 11. TOP WALL PLATE TO BE CONTINUOUS OR SPLICED AS PER MASONRY WALL PLATE SPLICE DETAIL	CONSEQUENCE ONLY (NON-STRUCTURAL), HOWEVER MAY RESULT IN CRACKING OF BRITTLE FINISHES. 4. SCAN EXISITING CONCRETE ELEMENTS (CONCRETE SLAB, BEAMS, COLUMNS AND WALLS) TO DETERMINE THE
DICHROMATE SOLUTION OR EQUIVALENT. 6. ALL FORMWORK SHALL BE RIGIDLY CONSTRUCTED OF APPROVED MATERIAL.	12. ALL LVL END SPLAYS ARE TO BE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.	LOCATION OF REINFORCEMENT PRIOR TO DRILLING FOR FIXINGS OR POST INSTALLED REINFORCEMENT/DOWEL
FORMWORK AND SUPPORTS SHALL BE DESIGNED TO WITHSTAND ALL POSSIBLE LOAD COMBINATIONS DURING	 SPECIFIC STRUCTURAL BRACING TO WALL FRAMES IS SHOWN SHADED ON THE ELEVATIONS. (a) PROVIDE CENTRAL BLOCKING TO ALL JOIST SPANS OVER 2500. BLOCKING TO BE SKEWED NAILED, NOT END GRAIN 	BAR. DRILL ANY HOLES INTO THE EXISTING STRUCTURE WITH A CONCRETE/MASONRY DRILL BIT (DO NOT DIAMOND CORE HOLES). DO NOT CUT OR DAMAGE THE EXISTING REINFORCEMENT IF REINFORCEMENT IS ENCOUNTERED
CONSTRUCTION. 7. UNLESS OTHERWISE SHOWN, CONSTRUCTION JOINTS IN CONCRETE SHALL ONLY BE MADE WITH THE APPROVAL	NAILED.	DURING DRILLING, STOP IMMEDIATELY AND CONTACT THIS OFFICE FOR FURTHER ADVICE PRIOR TO PROCEEDING.
OF THE ENGINEER. 8. ALL SLAB CONCRETE SHALL BE CURED BY APPROVED METHODS FOR AT LEAST THE PERIOD SHOWN IN THE	 (b) FIX FLOOR SHEETING TO JOISTS TO MANUFACTURER'S SPECIFICATIONS. GLUE JOISTS PRIOR TO FASTENING. 15. (a) D.J. DENOTES DOUBLE JOIST FIXED TOGETHER WITH M10 BOLTS AT 600 c/c MAXIMUM. ALTERNATIVELY, FIX JOISTS 	
TABLE BELOW.	TOGETHER VIA N°14 TYPE 17 BUGLE HEAD TEKS @ 450 c/c. (b) PROVIDE DOUBLE JOISTS (DJ) UNDER ALL LOAD BEARING WALLS PARALLEL TO THE JOISTS U.N.O.	
9. PLACE 2N16 BARS x 2000 LONG AT 200 CRS U.N.O. ACROSS ALL RE-ENTRANT CORNERS, INCLUDING AT ALL STORMWATER & OTHER SERVICE MANHOLES AND AT BUILDING COLUMNS.	16. DO NOT STRUT ROOF FRAME ONTO WALLS WHICH ARE NOT SUPPORTED BY BEAMS OR DOUBLE JOISTS DIRECTLY BELOW,	
10. NO PENETRATION THROUGH CONCRETE WITHOUT PRIOR APPROVAL OF DESIGN ENGINEER.	UNLESS NOTED OTHERWISE. REFER TO ROOF PLAN. 17. (a) TIE DOWN FLOOR FRAME TO AS1684.	
 NOT LESS THAN 24 HOURS MUST PASS BETWEEN ADJACENT SLAB POURS. CONCRETE IS TO BE COMPACTED WITH IMMERSION TYPE VIBRATORS. PARTICULAR ATTENTION TO BE PAID TO 	(b) TIE DOWN FLOOR FRAME AT EXTERNAL WALLS USING 25 x 1.2 G300 STRAPS x 20c LONG (OR 2N 30 x 0.9 316 STAINLESS	
AREAS AROUND ANY CAST-IN FIXTURES. 13. ALL JOINTS TO BE FILLED WITH BOSTIK SEAL-N-FLEX FC OR EQUIVALENT NOT LESS THAN 56 DAYS AFTER	STEEL STRAPS FOR WIND CLASSIFICATION 'N3'. TIE DOWNS NOT REQUIRED FOR 'N1' OR 'N2' WIND CLASSIFICATION. FOR WIND CLASSIFICATION 'N4' OR HIGHER, REFER BACK TO THIS OFFICE FOR FURTHER ADVICE.	
POURING OF SLAB. JOINT TO BE CLEAN AND DRY, AND SEALANT AND BACKING ROD INSTALLED STRICTLY IN	 IT IS RECOMMENDED THAT ALL SUSPENDED FLOORS SHOULD BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE FLOOR SHEETING IS FIXED. 	
ACCORDANCE WITH MANUFACTURER' 14. THE SLAB SHALL BE FINISHED TO THE LEVELS AND SURFACE FINISH REQUIREMENTS OF THE ARCHITECTS	UPPER STOREY LINTELS	
SPECIFICATION.	1. REFER TO 'UPPER STOREY LINTEL TABLE' FOR LINTEL SIZES.	B 24/09/21 ISSUED FOR CLIENT REVIEW PC
15. THIS DESIGN IS NOT SUITABLE FOR A POLISHED (OR HONED) CONCRETE FINISH UNLESS SPECIFICALLY STATED ON THE FLOOR PLANS. SHOULD SUCH FINISHES BE REQUIRED, THIS DESIGN SHOULD BE REFERRED BACK TO	 LINTELS ARE DESIGNED TO SUPPORT UP TO 10c OF BRICKWORK & UP TO 3.6m OF A TILED ROOF OR 6.6m OF METAL ROOF & A CEILING. 	A 30/07/21 ISSUED FOR PRELIMINARY APPROVAL PC
THIS OFFICE FOR CONSIDERATION.	 DO NOT SUPPORT ROOF STRUTTING BEAMS OR OTHER POINT LOADS OVER THE LINTEL, UNO. ALL STEELWORK TO BE MINIMUM GRADE 300 (MPa) IN ACCORDANCE WITH AS / NZS 3679 1. 	REV DATE ISSUE / REVISION DESCRIPTION APP
CONCRETE TABLE	· ·	¬ # struc terre
LOCATION CONCRETE CEMENT TYPE COVER TO REINF' MIN CURING TIME	UPPER STOREY LINTEL TABLE	
GROUND SLAB (INT) N25/20/100 GB OR GP 30 3 DAYS	METAL ROOF	Zemla Pty. Ltd. (ABN: 71 349 772 837) ATF the Young Purich and Higham
F00TINGS N25/20/100 GB OR GP 50 3 DAYS	EFFECTIVE ROOF LOAD WIDTH	Unit Trust trading as Structerre Consulting Engineers
FOOTING NOTES	3600 mm 6600 mm	1 ERINDALE ROAD, BALCATTA W.A. 6021 TEL (08) 9205 4500 EMAIL: commercial@structerre.com.au
SITE ASSUMED TO BE CLASS 'M' (MODERATELY REACTIVE, AS DEFINED IN AS DEFINED IN AS 2870 "RESIDENTIAL SLABS AND FOOTINGS". FOOTING DETAILS MAY BE ALTERED SUBJECT TO SITE ASSESSMENT. BUILDER TO CONFIRM ONSITE	OPENING LINTEL BEARING LINTEL BEARING	PROJECT
CONDITIONS OF REPORT TO ENGINEER PRIOR TO CONSTRUCTION.	UP TO 1500 75 x 75 x 6.0 EA 100 75 x 75 x 6.0 EA 100	PROPOSED EXTENSION
 PRIOR TO CUTTING BASE, REMOVE ALL VEGETATION, TOPSOIL AND DELETERIOUS FILL MATERIAL. NOTIFY THE ENGINEER OF ANY UNUSUAL FEATURES, DISCREPANCIES OR SIGNIFICANT VARIATIONS IN SOIL TYPE 	UPTO 1800 75 x 75 x 8.0 EA 100 90 x 90 x 6.0 EA 120 UPTO 2200 100 x 100 x 6.0 EA 110 125 x 75 x 6.0 UA 150	5D BROCKMAN STREET MANJIMUP
OVER THE BUILDING AREA WHICH MAY BECOME EVIDENT DURING EARTHWORKS. DO NOT PROCEED WITH CONSTRUCTION UNTIL PROPER ADVICE ACHIEVED.	UP TO 2400 100 x 100 x 8.0 EA 120 125 x 75 x 8.0 UA 165	TITLE
4. PRIOR TO PLACING SAND FILL, ENSURE PREPARED BASE IS DRY.	UP TO 2700 125 x 75 x 8.0 UA 135 125 x 75 x 10.0 UA 180	NOTES & SPECIFICATIONS -SHEET 1
 SAND PAD DEPTH NOT TO EXCEED 150% OF MINIMUM DEPTH OR 2000mm WITHOUT THE ENGINEER'S APPROVAL. ALL SAND TO BE COMPACTED IN WELL WATERED 300mm LAYERS USING CLEAN WELL GRADED SAND TO PROVIDE 	UPTO 3000 125 x 75 x 10.0 UA 150 150 x 90 x 8.0 UA 200 UP TO 3300 150 x 90 x 8.0 UA 165 150 x 100 x 10.0 UA 250	
STANDARD PENETROMETER READINGS OF 7 BLOWS PER 300mm. COMPACT BOTTOMS OF ALL FOOTING TRENCHES WHERE NATURAL SAND PROVIDES PENETROMETER READINGS LESS THAN 6 BLOWS PER 300mm.	1 JUN 100 N 1 230	CLIENT
7. ROOF WATER AND STORMWATER TO BE TAKEN AWAY AND NOT ALLOWED TO PERCOLATE UNDER FOOTINGS. IF		SHIRE OF MANJIMUP
NECESSARY CONNECT INTO SUBSOIL DRAIN SYSTEM. 8. SURFACE WATER NOT TO POND IMMEDIATELY ADJACENT TO FOOTINGS.		
9. WHERE PLUMBING PIPES PASS THROUGH THE FOOTINGS, INCREASE FOOTING DEPTH LOCALLY BY AN AMOUNT AT		TITLE NAME DATE STATUS NOT FOR
LEAST EQUAL TO THE PIPE DIAMETER. 10. BUILDER TO ENSURE THAT CLIENT BE INFORMED OF NECESSITY TO MAINTAIN DRAINS IN GOOD WORKING ORDER		DRAFTSPERSON: ROBERT BURNS JULY 21 DESIGNER: PAUL COLLEY JULY 21 CONSTRUCTION
AT ALL TIMES.		ENGINEERING CHECK: JON SANDERS SCALE
11. ENSURE NO EXISTING STRUCTURES OR SERVICES ON THIS OR ADJACENT PROPERTIES WILL BE SURCHARGED OR UNDERMINED BY THESE WORKS. IF UNSURE, CONTACT THE STRUCTURAL ENGINEER FOR PROPER ADVICE PRIOR TO		AUTHORISED BY: N/A
PROCEEDING 12. BUILDER/CONTRACTOR TO CONTACT 'DIAL BEFORE YOU DIG' & CONFIRM LOCATION OF UNDERGROUND SERVICES		DRAWING REF. No. REV
PRIOR TO COMMENCEMENT OF ANY GROUND WORKS.		1.21.16706-S-001 B
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A B C	D E F	G H J K
SPECIFICATION FOR THE REPAIR OF CORRODED LINTELS WINDOW LINTELS THAT ARE CORRODING AND CAUSING CRACKING OF BRICKWORK MAY BE REPAIRED IN ACCORDANCE WITH THE	STEEL NOTES (CONTINUED) 4. ALL CUTTING, HOLING AND SHAPING OF STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF	
FOLLOWING PROCEDURE. NOTE THAT IT IS ALMOST IMPOSSIBLE TO PREVENT FURTHER CORROSION FROM OCCURRING ONCE IT HAS COMMENCED DUE TO ACCESS RESTRICTIONS TO THE STEELWORK, HENCE FURTHER DETERIORATION IS TO BE EXPECTED OVER	AS/NZS 5131. PENETRATIONS OR CUT-OUTS OTHER THAN THOSE SHOWN ON THE DRAWINGS SHALL NOT BE MADE WITHOUT PRIOR APPROVAL	BCA COMPLIANT STRUCTURAL MATERIALS
TIME AND LINTEL REPLACEMENT MAY BE REQUIRED AT SOME POINT. AT THE BUILDER'S/CLIENT'S DISCRETION, IT IS LIKELY THAT MANY OF THE LINTELS WILL NEED REPLACMENT IN THE NEAR TERM, IN ALIGNMENT WITH THE PROPOSED REFURBISHMENT	5. BOLTING DESIGNATION IS AS FOLLOWS: [4.6/S] COMMERCIAL GRADE 4.6 BOLTS TO AS 1111	
WORKS & CAPITALISATION OF THIS PROJECT. 1. CAREFULLY REMOVE THE EXTERNAL GROUT ALONG THE BEARING LENGTH OF THE LINTEL TO EXPOSE THE EMBEDDED	SNUG TIGHT TO AS/NZS 5131	THE DESIGN ASSUMES THAT ALL STRUCTURAL MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT (INCLUDING, BUT NOT LIMITED TO, STEEL (STRUCTURAL AND REINFORCING), CONCRETE, MASONRY (INCLUDING BRICKS / BLOCKS AND
PORTION OF THE LINTEL 2. REMOVE ANY EXISTING SURFACE SCALE FROM THE EXPOSED SURFACES OF THE LINTEL USING MECHANICAL MEANS	8.8/S HIGH STRENGTH STRUCTURAL BOLTS GRADE 8.8 TO AS 12521 SNUG TIGHT TO AS/NZS 5131	THE ASSOCIATED MORTAR AND TIMBER) COMPLY IN ALL RESPECTS TO THE BUILDING CODE OF AUSTRALIA. THIS
SUCH AS POWERED ROTARY WIRE BRUSH.	8.8/TB HIGH STRENGTH STRUCTURAL BOLTS GRADE 8.8 TO AS 1252.1	GENERALLY MEANS THAT THEY MUST COMPLY WITH THE REQUIREMENTS OF THE APPROPRIATE AUSTRALIAN
CLEAN EXPOSED STEEL SURFACE WITH MINERAL TURPENTINE TO REMOVE ALL TRACES OF WAX, GREASE, SILICONE, OIL AND DIRT.	FULLY TENSIONED TO AS/NZS 5131 AS A BEARING JOINT 8.8/TF HIGH STRENGTH STRUCTURAL BOLTS GRADE 8.8 TO AS 12521	STANDARDS FOR THAT MATERIAL.
4. IF ANY RUST PRODUCTS ARE STILL VISIBLE AND CANNOT BE REMOVED DUE TO ACCESS RESTRICTIONS, COAT LIBERALLY WITH HICHEM RUST CONVERTER & PRIMER SEALER (OR APPROVED EQUIVALENT).	FULLY TENSIONED TO AS/NZS 5131 AS A FRICTION JOINT	IF THE BUILDER PROPOSES TO USE ANY STRUCTURAL MATERIALS THAT ARE SOURCED FROM OUTSIDE AUSTRALIA, IT
 PRIME THE STEEL SURFACES WITH HICHEM SUPER ETCH PRIMER (OR APPROVED EQUIVALENT) TO ENSURE FULL BONDING. MIX (8) PARTS HICHEM RUST NOT ANTI-CORROSIVE EPOXY PAINT TO (1) PART HICHEM ENAMEL HARDENER (OR APPROVED 	 (a) HIGH STRENGTH BOLTS SHALL BE VERIFIED TO AS/NZS 12522 INCLUDING THE 'SUPPLIER DECLARATION OF CONFORMITY. 	WILL BE THE BUILDERS ABSOLUTE RESPONSIBILITY TO VERIFY THAT THEY COMPLY WITH THE BUILDING CODE OF AUSTRALIA. STRUCTERRE MUST BE INFORMED OF ANY STRUCTURAL MATERIALS PROPOSED TO BE SOURCED FROM
EQUIVALENT) AND THIN WITH MINERAL TURPENTINE IF REQUIRED. 7. BRUSH APPLY 3 COATS (MINIMUM) OF <i>HICHEM RUST NOT (CODE RNW – WHITE)</i> (OR APPROVED EQUIVALENT)	(b) /TB & /TF BOLT CATEGORIES SHALL BE INSTALLED USING EITHER THE PART TURN METHOD OR DIRECT TENSION INDICATOR METHOD TO AS/NZS 5131.	OUTSIDE AUSTRALIA AND ALL SUPPORTING DOCUMENTATION REGARDING THEIR COMPLIANCE WITH THE BCA AND / OR
ANTI-CORROSIVE EPOXY PAINT IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION. RECOMMENDED DRY FILM	(c) /TF BOLTS SHALL BE FREE FROM PAINT OR FINISHES AND PREPARED IN ACCORDANCE WITH AS/NZS 5131.	THE RELEVANT AUSTRALIAN STANDARDS MUST BE SUPPLIED TO STRUCTERRE FOR ASSESSMENT.
THICKNESS IS 35 MICRONS. ALLOW 16 HOURS MINIMUM DRYING TIME BETWEEN EACH COAT. SAND EACH COAT LIGHTLY BEFORE APPLICATION OF SUBSEQUENT COAT. DO NOT APPLY IN DAMP CONDITIONS OR WHEN TEMPERATURE	 THE CONTRACTOR SHOULD SUBMIT TO THE ENGINEERS FOR APPROVAL 2 COPIES OF THE SHOP DRAWINGS BEFORE COMMENCING FABRICATION. 	THE BUILDER MUST UNDERSTAND THAT THERE MAY BE SIGNIFICANT STRENGTH AND STIFFNESS DEFICIENCIES
IS LESS THAN 10°C 8. ALLOW THE FINAL COAT TO DRY FOR 24 HOURS MINIMUM, THEN REPOINT MORTAR JOINTS AROUND THE WINDOW LINTEL	 ALL COLUMN BASE PLATES SHALL BE SET ON 20mm MIN OF PORTLAND CEMENT GROUT. FOOTING BOLTS AND GROUTING UNDER STEEL BASE PLATES SHALL MEET THE REQUIREMENTS OF AS/NZS 5131. 	(COMPARED WITH THOSE ASSUMED IN DESIGN) IN MATERIALS SOURCED FROM OUTSIDE AUSTRALIA AND THAT THESE
WITH M4 MORTAR, ENSURING MORTAR IS WELL PACKED INTO THE JOINTS AND STRUCK OFF TO MINIMISE PONDING OR INGRESS OF MOISTURE.	 EXCEPT WHERE OTHERWISE SHOWN IN THE DETAILS ALL STEEL TO STEEL CONNECTIONS SHALL BE 10PL CLEAT AND SHALL HAVE A MINIMUM OF 2M16 (8.8/S) BOLTS. 	COULD SEVERELY IMPACT ON THE SAFETY AND SERVICEABILITY OF THE STRUCTURE.
9. COMPLY WITH THE MANUFACTURER'S SPECIFICATIONS FOR PREPARATION AND APPLICATION OF ALL PRODUCTS. IF ANY INCONSISTENCY IS FOUND BETWEEN THE MANUFACTURER'S SPECIFICATIONS AND THIS REPAIR SPECIFICATION, CONTACT	 (a) ALL STRUCTURAL STEELWORK TO BE TREATED IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATION & AS 2312 AS FOLLOWS: 	STRUCTERRE RESERVES THE RIGHT TO CHARGE A FEE TO MAKE THE APPROPRIATE ASSESSMENT AND TO ALTER OUR
THE DESIGN ENGINEER FOR FURTHER ADVICE. ALL WINDOW LINTELS SHOULD THEN BE CLOSELY INSPECTED EVERY FIVE YEARS (BY AN ABSEIL CONTRACTOR) FOR SIGNS OF	- INTERNAL STEELWORK WITH A MINIMUM 75 MICRONS (DRY FILM THICKNESS) RED OXIDE ZINC PHOSPHATE.	DESIGN SHOULD THIS BE A NECESSARY CONSEQUENCE.
FURTHER DETERIORATION. REMEDIATION OF ANY FURTHER DAMAGE SHOULD BE IN ACCORDANCE WITH THIS SPECIFICATION, AND IF SIGNIFICANT DETERIORATION IS NOTED IN ANY ONE INSPECTION THEN THE INSPECTION INTERVAL SHOULD BE REDUCED TO	- EXTERNAL STEELWORK WITH A MINIMUM 75 MICRONS (DRY FILM THICKNESS) INORGANIC ZINC SILICATE.	
TWO YEARS. SIMILAR PRODUCTS FROM DIFFERENT MANUFACTURERS MAY BE USED AT THE CONTRACTOR'S DISCRETION. NOTE	(b) ALL PAINTED SURFACES TO BE PREPARED TO TREATMENT GRADE 'P2' IN ACCORDANCE WITH AS/NZS 5131.	THE NOTICE OF THE PROPERTY OF
THAT REPAIRS SHOULD BE CARRIED OUT USING PRODUCTS FROM ONLY ONE MANUFACTURER, E.G. HICHEM, SIKA, ETC. BUILDER NOTE - COMPLIANCE INSPECTIONS	(c) COATING QUALITY LEVELS ARE TO BE ASSESSED TO AS/NZS 5131 AS FOLLOWS: - INTERNAL STEEL WORK: PC1 DETERNAL STEEL WORK: PC1	IT IS ACKNOWLEDGED THAT SOME OF THE AUSTRALIAN STANDARDS AND
AS PART OF THE BUILDING LICENCE FOR THIS PROJECT, THE BUILDER MAY BE REQUIRED TO HAVE THE STRUCTURAL	- EXTERNAL STEELWORK: PC1 (d) STRUCTURAL STEELWORK TO BE GALVANIZED SHALL CONFORM TO THE REQUIREMENTS OF	VOLUMES OF THE NATIONAL CONSTRUCTION CODE SERIES REFERENCED ON
ENGINEER INSPECT AND REPORT ON WHETHER STRUCTURAL ASPECTS OF THE COMPLETED STRUCTURE HAVE BEEN BUILT IN ACCORDANCE WITH THE APPROVED DRAWINGS AND/OR WITH ANY SUBSEQUENT WRITTEN INSTRUCTIONS.	AS/NZS 5131 AND AS 2312. (e) ALL BOLTS SHALL BE IN ACCORDANCE WITH AS 1214 AND BE CADMIUM PLATED OR GALVANIZED, UNO.	THIS SPECIFICATION ARE TYPICALLY LIMITED TO CLASS 1 OR 10a BUILDINGS. STRUCTERRE CERTIFIES THAT THESE STANDARDS ARE DEEMED TO BE
 IF STRUCTERRE CONSULTING ENGINEERS ARE TO PROVIDE THIS INSPECTION & REPORTING SERVICE, THE BUILDER MUST ARRANGE FOR STRUCTERRE TO INSPECT EACH OF THE STRUCTURAL ITEMS AT APPROPRIATE STAGES. THESE 	(f) ALL HOLDING DOWN BOLTS TO BE HOT DIP GALVANIZED (600g/sqm) UNO. EPOXY COAT ALL STEELWORK BELOW GROUND LEVEL	APPLICABLE WHERE REFERENCED ON THESE SPECIFICATIONS.
ITEMS AND STAGES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: 2.1. CONCRETE REINFORCEMENT, PRIOR TO POURING OF CONCRETE IN:	(g) ARCHITECTURALLY EXPOSED STEELWORK (AESS) SHALL CONFORM TO THE REQUIREMENTS OF AS/NZS 5131 AND THE AESS CATEGORY NOMINATED IN THE ARCHITECT'S SPECIFICATION. AESS COMPONENTS	FURTHER SPECIFICATIONS WILL BE PROVIDED WHERE THIS IS NOT THE CASE.
FOOTING EXCAVATIONS SLABS ON GROUND	SHALL BE MINIMUM AESS 2 UNO. IT IS THE BUILDER'S RESPONSIBILITY TO CONFIRM AESS REQUIREMENTS PRIOR TO PROCUREMENT.	
2.2. STRUCTURAL STEELWORK PRIOR TO ANY CLADDING BEING FIXED.	PROVIDE HOLES OR FIXING CLEATS FOR OTHER TRADES AS DIRECTED IN THE SPECIFICATION OR SHOWN ON THE ARCHITECTURAL DRAWINGS.	THE TRACE TO SEE THE TR
THE BUILDER IS TO PROVIDE STRUCTERRE WITH MINIMUM 48 HOURS NOTICE PRIOR TO REQUIRED INSPECTION TIME TO ENSURE WE CAN INCLUDE THE SITE VISIT IN OUR SCHEDULE. THE BUILDER WILD TROUGH ADDROPADLY ENVISIONED THAT THE SDECKEED CONCRETE HAS BEEN SURDILED FOR EACH. THE BUILDER WILD TROUGH ADDROPADLY ENVISIONED THAT THE SDECKEED CONCRETE HAS BEEN SURDILED FOR EACH. THE BUILDER WILD TROUGH ADDROPADLY ENVISIONED THAT THE SDECKEED CONCRETE HAS BEEN SURDILED FOR EACH. THE BUILDER WILD TROUGH ADDROPADLY ENVISIONED THAT THE SDECKEED CONCRETE HAS BEEN SURDILED FOR EACH. THE BUILDER WILD TROUGH ADDROPADLY ENVISIONED THAT THE SDECKEED CONCRETE HAS BEEN SURDILED FOR EACH. THE BUILDER WILD TROUGH ADDROPADLY ENVISIONED THAT THE SDECKEED CONCRETE HAS BEEN SURDILED FOR EACH. THE BUILDER WILD TROUGH ADDROPADLY ENVISIONED THAT THE SDECKEED CONCRETE HAS BEEN SURDILED FOR EACH. THE BUILDER WILD TROUGH ADDROPADLY ENVISIONED THAT THE SDECKEED CONCRETE HAS BEEN SURDILED FOR EACH. THE BUILDER WILD TROUGH ADDROPADLY ENVISIONED THAT THE SDECKEED CONCRETE HAS BEEN SURDILED FOR EACH. THE BUILDER WILD TROUGH ADDROPADLY ENVISIONED THAT THE SDECKEED FOR EACH. THE BUILDER WILD TROUGH ADDROPADLY ENVISIONED THAT THE SDECKEED FOR THE STRUCK HAS BEEN SURDILED FOR EACH. THE BUILDER WILD TROUGH ADDROPADLY BE ADDROPADLY BUILDER WILD THE SDECKEED FOR EACH. THE BUILDER WILD TROUGH ADDROPADLY BUILDER WILD TROUGH BUILDER WILD TROUGH BUILDER WILD TROUGH BUILDER WILD TROUGH BUILD	11. PROVIDE APPROVED BRICK TIES TO ALL STEEL COLUMNS ETC. WHERE FACES ABUT BRICKWORK OR BLOCKWORK), v
4. THE BUILDER MUST PROVIDE APPROPRIATE EVIDENCE THAT THE SPECIFIED CONCRETE HAS BEEN SUPPLIED FOR EACH CONCRETE ELEMENT.	SEE DETAILS. 12. SEALALL OPEN ENDS OF PIPES OR RHS MEMBERS. GRIND OFF ALL VISIBLE WELDS AND BRAND MARKS TO NEAT ADDEDANCE MUSES CORSUMED.	LID MAY
5. THE BUILDER MUST PROVIDE EVIDENCE THAT THE REQUIRED LEVELS OF FOUNDATION COMPACTION HAVE BEEN ACHIEVED, AS PER FOOTING NOTE 6 OR AS FURTHER SPECIFIED IN THE GEOTECHNICAL REPORT.	APPEARANCE WHERE SPECIFIED. 13. (a) MASONRY AND CONCRETE ANCHORS WILL GENERALLY NOT BE CONSIDERED AS A SUITABLE ALTERNATIVE	N R S AN
 WHERE THE GEOTECHNICAL ENGINEER HAS MADE SPECIFIC RECOMMENDATIONS, EVIDENCE THAT THESE HAVE BEEN ACHIEVED MUST BE PROVIDED. 	TO CAST-IN FERRULES EXCEPT AS SPECIFICALLY NOTED ON THE DRAWINGS. (b) ALL MASONRY AND CONCRETE ANCHORS SHALL BE INSTALLED <u>STRICTLY</u> IN ACCORDANCE WITH THE	
 UNLESS FEES FOR OUR INSPECTIONS AND CERTIFICATIONS HAVE BEEN PREVIOUSLY NEGOTIATED WITH STRUCTERRE BY OTHERS, THESE FEES WILL BE THE BUILDER'S RESPONSIBILITY. IT IS REQUIRED THAT THE BUILDER NEGOTIATE 	MANUFACTURER'S INSTRUCTIONS AND SHALL CONFORM TO THE REQUIREMENTS OF AS/NZS 5131. THE BUILDER MUST ENSURE THE ANCHOR LENGTH IS ADEQUATE TO ENSURE CORRECT EMBEDMENT, BEARING	
THESE FEES WITH THE ENGINEER AT TENDER STAGE. 8. IF THE BUILDER REQUIRES THE FABRICATION DRAWINGS TO BE CHECKED AND CERTIFIED BY THE PROJECT ENGINEER,	IN MIND THE THICKNESS OF THE PART BEING FASTENED. (ALL ANCHORS FOUND TO BE INSTALLED INCORRECTLY WILL BE REJECTED.)	וברות אינות אונות אונות אונות אונות אונות אינות אונות
THE COSTS ASSOCIATED WITH THIS WILL BE THE BUILDER'S RESPONSIBILITY, UNLESS THESE FEES HAVE BEEN PREVIOUSLY NEGOTIATED WITH STRUCTERRE BY OTHERS. THIS MUST BE CONFIRMED BY THE BUILDER.	(c) SITE TESTING SHALL BE PERFORMED ON MECHANICAL AND CHEMICAL ANCHORS TO VALIDATE CORRECT INSTALLATION (PROOF TESTING) WITH A MINIMUM 3 TESTS OR A 2.5% SAMPLE POPULATION. WHICHEVER	
9. FOR ALL ENQUIRIES REGARDING THESE DRAWINGS, THE BUILDER IS TO CONTACT THE DESIGN ENGINEER, AS NOTED IN	IS GREATER. IF A FAILURE IS RECORDED, INCREASE TO MINIMUM 6 OR A 5% SAMPLE POPULATION. SITE	
THE TITLE BLOCK. THE DESIGN ENGINEER WILL ADVISE THE BUILDER REGARDING OUR NOMINATED CONTACT(S) FOR THE PROJECT.	TESTING OF POST INSTALLED ANCHORS SHALL BE UNDERTAKEN ACCORDING TO THE REQUIREMENTS OF AFFACT TECHNICAL NOTE - SITE TESTING GUIDELINES VOLUME 1 TO 4.	F F STRI
STEEL NOTES 1. (a) ALL FABRICATION OF STEEL WORK AND TOLERANCES SHALL BE IN ACCORDANCE WITH AS/NZS 5131 -	 ALL DISSIMILAR METAL CONTACT TO BE ELECTRICALLY ISOLATED BY USE OF NON-CONDUCTIVE LOAD BEARING SPACERS TO MANUFACTURER'S SPECIFICATION. 	INTO THE PROPERTY OF THE PROPE
STRUCTURAL STEELWORK - FABRICATION AND ERECTION. STEELWORK SHALL BE FABRICATED BY FABRICATORS CERTIFIED UNDER THE ASI 'NATIONAL STRUCTURAL STEELWORK COMPLIANCE SCHEME'	15. ALL SITE WELDS TO BE MIN 6mm CONTINUOUS FILLET WELDS ALL ROUND UNO. PROPERLY CLEANED AND PREPARED BEFORE WELDING. POWER TOOL CLEAN TO CLASS 2 FOLLOWING WELDING AND PAINT WITH 2 COATS	P P R OP F
(NSSCS).	OF ZINC RICH PAINT AND TOP COAT TO MATCH EXISTING. 16. (a) THE CONTRACTOR SHALL REMAIN RESPONSIBLE AT ALL TIMES FOR PROVIDING ALL NECESSARY	No. 1 Properties of the control of t
(b) TOLERANCES CLASS FOR FUNCTIONAL TOLERANCES SHALL BE 'CLASS 1' U.N.O. (c) ALL STRUCTURAL STEEL MATERIAL SHALL CONFORM TO THE FOLLOWING:	TEMPORARY BRACING AND OTHER SUPPORTS DURING ERECTION, TO STABILISE THE PARTIALLY CONSTRUCTED BUILDING.	S S S S S S S S S S S S S S S S S S S
COMPONENT CONFORM TO STANDARD MINIMUM GRADE	(b) PARTICULAR ATTENTION MUST BE PAID TO THE BUCKLING STABILITY OF BEAMS AND COLUMNS PRIOR TO THE CONNECTION OF PURLINS, GIRTS, FLYBRACES AND OTHER BRACING ELEMENTS.	DI WANNING WAN
HOT ROLLED STEEL SECTION AS/NZS 3679.1 300	(c) IT IS THE RESPONSIBILITY OF THE BUILDER TO OBTAIN PROPER TECHNICAL ADVICE WHEREVER	
PLATE AS/NZS 3678 250 FLATS AS/NZS 1594 300	NECESSARY TO ENSURE THE PARTIALLY COMPLETED STRUCTURE IS SAFE FROM COLLAPSE. (d) THE INSTALLATION OF STATIC SAFETY LINE FIXING POINTS (WHERE REQUIRED BY THE RELEVANT	
HOLLOW SECTIONS: AS/NZS 1163 CIRCULAR (CHS) C350L0	AUTHORITIES) SHALL BE THE BUILDER'S RESPONSIBILITY. 17. ALL MEMBERS HAVING A NATURAL CAMBER WITHIN THE STRAIGHTNESS TOLERANCE SHALL BE ERECTED WITH	
5 SQUARE (SHS) (350L0 (350L0) (350L0 (350L0 (350L0 (350L0 (350L0 (350L0 (350L0 (350L0 (350L0)	THE NATURAL CABER UP. 18. ERECTION TOLERANCES SHALL CONFORM TO THE REQUIREMENTS OF AS/NZS 5131.	B 24/09/21 ISSUED FOR CLIENT REVIEW PC A 30/07/21 ISSUED FOR PRELIMINARY APPROVAL PC
WELDED BEAMS & COLUMNS AS/NZS 3679.2 300	 PROPRIETARY ITEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. INSPECTION AND TEST PLANS (ITP) SHALL BE PREPARED IN ACCORDANCE WITH AS/NZS 5131 APPENDIX B4 	REV DATE ISSUE / REVISION DESCRIPTION APP
SHEAR STUDS (COMPOSITE SLABS) AS/NZS 1554.2 380 QUENCH & TEMPERED PLATE AS 3597 690	FOR: MATERIALS AND COMPONENTS PREPARATION AND ASSEMBLY	M STPLICTORY
PURLINS & GIRTS AS 1397 450	· WELDING · MECHANICAL FASTENING	STRUC <i>terre</i>
(d) ALL COLD FORMED SECTIONS OTHER THAN THOSE COMPLYING TO AS 1163, TO BE MANUFACTURED FROM CONTINUOUS GALVANIZED SHEET STEEL (GSS) CONFORMING TO AS 1397 AND CONFORM TO THE	- FIELDANICAL PASTERING - CORROSION PROTECTION TO AS/NZS 5131 APPENDIX D AND THE NOMINATED COATING QUALITY LEVEL (NOTE 9:)	Zemla Pty. Ltd. (ABN: 71 349 772 837) ATF the Young Purich and Higham Unit Trust trading as Structerre Consulting Engineers
REQUIREMENTS OF AS/NZS 5131. (e) DOCUMENTATION SUPPLIED WITH MATERIALS AND COMPONENTS SHALL CONFORM TO THE	ERECTION	
REQUIREMENTS OF AS/NZS 5131. (f) ALL STRUCTURAL STEELWORK SHALL BE SOURCED FROM MILLS WITH RELEVANT JAS ANZ ACCREDITED	 BUILDER TO ENGAGE QUALIFIED SAFETY CONSULTANT TO DESIGN & INSTALL STATIC ANCHOR POINTS FOR SAFE ACCESS FOR WORKING AT HEIGHT BOTH DURING CONSTRUCTION & IN-SERVICE, (SUCH AS ROOF ACCESS). 	1 ERINDALE ROAD, BALCATTA W.A. 6021 TEL (08) 9205 4500 EMAIL: commercial@structerre.com.au
THIRD-PARTY CERTIFICATION SCHEME SUCH AS ACRS SCHEME. ALTERNATIVE SOURCING OF THIRD-PARTY CERTIFIED STRUCTURAL STEEL SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO		PROPOSED EXTENSION
PROCUREMENT.		5D BROCKMAN STREET MANJIMUP
(a) ALL WELDING SHALL BE MINIMUM WELD CATEGORY GP (GENERAL PURPOSE) IN ACCORDANCE WITH AS 1554 1 – STRUCTURAL STEEL WELDING. STRUCTURAL STEEL > 500 MPa TO BE IN ACCORDANCE		TITLE
WITH AS 1554.4. (b) THE NOMINAL TENSILE STRENGTH (fuw)OF WELD CONSUMABLES SHALL BE:		NOTES & SPECIFICATIONS -SHEET 2
- ALL STEEL WITH GRADE <= 300 MPa : 430 MPa - ALL STEEL WITH 300 < GRADE <= 450 MPa : 490 MPa		
- ALL STEEL WITH 450 < GRADE <= 690 MPa : 760 MPa (c) WHERE BOTH PLATES TO BE WELDED ARE GREATER THAN 2.5mm THICK, THE MINIMUM WELD IS TO BE 6mm		CLIENT
FILLET CFW ALL ROUND. (d) WHERE EITHER OF THE PLATES TO BE WELDED ARE LESS THAN 2.5mm THICK, WELDING SHALL BE BY THE		SHIRE OF MANJIMUP
METAL INERT GAS TECHNIQUE (MIG) CONFORMING TO AS 1554.		TITLE NAME DATE STATUS NOT FOR
(e) JOINTS INDICATED AS 'LT SUSCEPTIBLE' (LAMELLAR TEARING) SHALL BE SUPPLIED ULTRASONICALLY TESTED TO AS 1710 CLASS 1.		DRAFTSPERSON: ROBERT BURNS JULY 21 DESIGNER: PAUL COLLEY JULY 21 CONSTRUCTION
(f) SUPPLEMENTARY ULTRASONIC TESTING TO AS 2207 AND AS/NZS 1554.1 IS REQUIRED FOR PLATES 40mm THICKNESS & OVER.		ENGINEERING CHECK: JON SANDERS SCALE
 (g) NON-DESTRUCTIVE EXAMINATION OF WELDS SHALL BE AS DEFINED IN TABLE 13.6.2.2(A) OF AS/NZS 5131. 3. ALL STRUCTURAL STEELWORK MEMBERS SHALL BE SUPPLIED IN A SINGLE LENGTH, EXCEPT WHERE 		AUTHORISED BY: N/A
INDICATED WITH A SPLICE ON THE STRUCTURAL DRAWINGS. SPLICES AT OTHER LOCATIONS AT OTHER LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO FABRICATION.		DRAWING REF. No. REV 1.21.16706- S-002 B
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