





PROPOSED EXTENSION UNIT 1 (#45) PRESTON POINT ROAD, EAST FREMANTLE



GENERAL: 1. THESE DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS

- OTHER CONSULTANTS' DRAWINGS. DETAILS OR INSTRUCTIONS ON DRAWINGS TAKE PRECEDENCE OVER THESE NOTES THE 'BUILDER' WHERE REFERRED TO IN THESE NOTES MEANS THE BUILDER AND/OR THE CONTRACTOR, THEIR SUB-CONTRACTORS AND SUB-CONSULTANTS. DIMENSIONS SHALL NOT BE SCALED FROM DRAWINGS. CHECK ALL DIMENSIONS ON SITE AND REPORT ALL DISCREPANCIES. NO THEY XEUS STRUCTURAL DESIGN CONSULTANTS AT LEAST 2 WORKING DAYS PRIOR TO REQUIRED SITE VISIT FOR ALL METROPOLITAN AREAS. NO THEY EXEUS STRUCTURAL DESIGN CONSULTANTS AT LEAST 10 WORKING DAYS PRIOR TO ALL PERIONAD SITE VISITS AUT SHITE VISITS WILL BE INDEPTAKED NIPHING TO ALL PERIONAD SITE VISITS AUT SHITE VISITS WILL BE INDEPTAKED NIPHING 5. REGIONAL SITE VISITS. ALL SITE VISITS WILL BE UNDERTAKEN DURING
- 6.
- REGIONAL SITE VISITS. ALL SITE VISITS WILL BE UNDERTAKEN DURING STANDARD BUSINESS HOURS. ALL WORK IS TO COMPLY WITH THE LATEST AUSTRALIAN STANDARDS (AND AMENDMENTS), 'BGA' (BGA / NCI) AND RELEVANT STATUTORY CODES. STRUCTURAL DESIGN & DOCUMENTATION BASED ON LATEST RELEASE AND SUPPLEMENTS OF AUSTRALIAN STANDARDS, BCA AND RELEVANT STATUTORY CODES AT THE TIME OF PRODUCTION. THE STRUCTURE HAS BEEN DESIGNED TO MEET THE REQUIREMENTS IN ITS FERVICE CONDUCTION.
- 8.
- SERVICE CONDITION.
- 10.
- 12.
- 13.
- THE STRUCTURE HAS BEEN DESIGNED TO MEET THE REQUIREMENTS IN ITS SERVICE CONDITION. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE. ALL THIRD PARTY PRODUCTS ARE TO BE INSTALLED TO MANUFACTURERS SPECIFICATIONS AND DE TAILS. THE SUBSTITUTION OF PROPRIETARY ITEMS SHALL BE SUBMITTED WITH THE MANUFACTURERS SPECIFICATIONS IN WRITING TO EXEUS STRUCTURAL DESIGN CONSULTANTS FOR APPROVAL PRIOR TO WORKS COMMENCING. IN THE EVENT OF A DISCREPANCY AND/OR CONFLICT BETWEEN DETAILS DOCUMENTED ON THE EXEUS STRUCTURAL DESIGN CONSULTANTS DRAWINGS, THE BULDER IS TO SEEK CLARIFICATION FROM EXEUS STRUCTURAL DESIGN CONSULTANTS PROR TO PROCEEDING WITH THE WORKS. THE BULDER IS TO SEEK CLARIFICATION FROM EXEUS STRUCTURAL DESIGN CONSULTANTS PROR TO PROCEEDING WITH THE WORKS. THE BULDER SHALL RECORD ALL VARIATIONS TO THE DRAWINGS AND BE RESPONSIBLE FOR PRODUCING AS CONSTRUCTED DRAWINGS IN ELECTRONIC FORMAT AT THE COMPLETION OF WORKS, IF REQUIRED BY THE CLIENT. ALL WORKS DURING CONSTRUCTION ARE THE RESPONSIBLE TO FIND OVERSTRESSION AND INSTALLY BY ADEQUATELY PROPING DURING ALL STAGES OF CONSTRUCTION. 14
- STAGES OF CONSTRUCTION THE BUILDER IS TO PROVIDE TEMPORARY BRACING AS REQUIRED FOR STABILITY 15.
- THE BUILDER IS TO PROVIDE TEMPORARY BRACING AS REQUIRED FOR STABILITY DURING CONSTRUCTION SITE AND CONSTRUCTION SAFETY IS THE RESPONSIBILITY OF THE BUILDER. THE BUILDER SHALL IDENTIFY ANY HAZARDS RELATING TO THE CONSTRUCTION OF THE BUILDING AND PUT SUFFICIENT MEASURES IN PLACE TO CONTROL THESE RISKS, INCLUDING COMPLETING AND SUBMITTING TO THE SUPERINTENDENT ALL JOB SAFETY ANALYSIS SHEETS & SAFE WORK METHOD STATEMENTS. THE BUILDER SHALL ENSURE THAT ALL METHODS OF CONSTRUCTION MEET THE REQUIREMENTS OF WORKSAFE AND OCCUPATIONAL HEALTH AND SAFETY LEGISLATION. OBTAIN ALL INCESSARY APPROVALS PRIOR TO COMMENCEMENT OF WORKS.
- 17.

DESIGN PARAMETERS: 1. CONCRETE FOOTING AND SLAB ON GROUND DESIGN BASED ON CLASS 'A' SITE CLASSIFICATION IN ACCORDANCE TO AS2870 (EXEUS FOOTING CODE SCA2). CONTACT EXEUS STRUCTURAL DESIGN CONSULTANTS FOR ADVICE BEFORE PROCEEDING IF OTHER SOIL CONDITIONS ARE ENCOUNTERED ON-SITE. LOADING ASSUMPTIONS IN ACCORDANCE WITH AS/NZS1170.1 ARE AS FOLLOWS: 2.

TABLE DP1 - LOADING ASSUMPTIONS							
LOCATION	LIVE (kPa)	DEAD (kPa)					
SHEET METAL ROOF	0.25	0.4					

	TILED ROOF (EXISTING ROOF)	0.25	0.9							
З.	WIND LOADS IN ACCORDANCE WIT	TH AS4055 - WIND L	OADS FOR HOUSING	ā:						
	TABLE DP2 - WIND LOADS									

	WIND REGION	A						
	TERRAIN CATEGORY	TC3						
	SHIELDING	PS						
	TOPOGRAPHIC CLASSIFICATION	T1						
	ULTIMATE WIND SPEED (Vh,u)	40 (m/s)						
	DESIGN WIND SPEED	33 (m/s)						
	WIND CLASSIFICATION	N2						
4.	EXEUS STRUCTURAL DESIGN CONSULTANTS LOCATION INDICATOR:							

TABLE DP3 - LOCATION INDICATOR LOCATION LOCATION DESCRIPTION NDICATOR YPICAL COASTAL REGIONS U.N.O. WITHIN 1km (BREAKING SURF or COASTAL REGIONS WHERE ADJACENT A RIVER, INLET O WATER BODY WITHIN 3km OF BREAKING SURF EC1

TABLE 1.1 - CORROSION PROTECTION INSTALLATION LOCATION INDICATOR EC1 ITEM EXTERNAL LOCATIONS GRADE 316 STAINLESS STEEL RODS IN MASONRY & IMESTONE NTERNAL LOCATIONS GALVANISED GRADE 316 STAINLESS STEEL OF VIRE TIES ALL LOCATIONS APPROVED PLASTIC EXTERNAL LOCATIONS MALTHOID BOND BREAKER TO INTERNAL LOCATIONS 2 LAYERS PGI OR MALTHOID HOLD DOWN RODS ALL LOCATIONS GRADE 316 STAINLESS STEEL TIE DOWN STRAPS & ALL LOCATIONS GRADE 316 STAINLESS STEEL WALL STRAP BRACING EXTERNAL LOCATIONS GRADE 316 STAINLESS STEEL ROOF STRAP BRACING GALVANISED COLD GALV. SPRAY TREATHEN -ABRADE WITH INDUSTRIAL GRADE ABRASIVE PABER - NO MCRONS EPOXY PHOSPIATE PRIMER - 100 MICRONS EPOXY VICACEOUS IRON OXIDE - PACK BOXY COATING GRADE 316 - STAINLESS STEEL OR 100 TBIG 2014. VIG 6000/m2 + ABRASIVE PAPER - 100 MICRONS EPOXY PHOSPHATE PRIMER - 100 MICRONS EPOXY MICACEOUS IRON OXIDE 2 PACK EPOXY COATING NTERNAL LOCATIONS GALVANISED SITE WELDS ALL LOCATIONS STRUCTURAL STEELWORK, PLATES, CLEATS, SCREWS, NAILS, BOLTS, EXTERNAL LOCATIO OXIDE 2 PACK EPOXY COATING ANCHORS, FRAMING HOT DIP GALV. TO 600g/m2 OR HOT DIP GALV. TO 300g/m2 + 75 IN CONTACT WITH MASONRY OR CONCRETE) MICRONS EPOXY PHOSPHATE INTERNAL LOCATIONS PRIMER + 125 MICRONS EPOXY

STEELWORK: 1. ALL STRUCTURAL STEELWORK IS TO COMPLY WITH AS4100. 2. ALL PURLINS AND GIRTS TO COMPLY WITH AS/NZ5 4600. 3. UNLESS NOTED OTHERWISE, ALL STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING AUSTRAL AND STANDARDS IN DRESPECT OF GRADE AND CONDITIONS

FULLOWING AUSTRALIAN ST	ANDARDS IN RESPEC	T OF GRADE AND CON	DITIONS
OF SUPPLY:			
ROLLED SECTIONS -	AS/NZS 3679.1 -	GRADE 300	
WELDED SECTIONS -	AS/NZS 3679.2 -	GRADE 300	
HOLLOW SECTIONS -	AS/NZS 1163 -	GRADE C350	
PURLINS / GIRTS -	AS1397 -	GRADE G450 Z350	
STEEL PLATE -	AS/NZS 3678 -	GRADE 300	
COPIES OF TEST CERTIFICATI	ES COMPLYING IN COM	NTENTS WITH AND COM	FIRMING
FULL COMPLIANCE WITH ALL	THE REQUIREMENTS	OF THE ABOVE STAND	DARDS

ANDARDS FULL CUMPLIANCE WITH ALL THE REQUIREMENTS OF THE ABOVE STANDARDS FOR THE RELEVANT GRADE SHALL BE SUPPLIED TO EXEUS STRUCTURAL DESIGN CONSULTANTS, IF REQUESTED. ALL WELDING IS TO COMPLY WITH ASTS54. OBTAIN ALL DIMENSIONS FROM ARCHITECTURAL DRAWINGS AND CHECK ON SITE PRIOR TO FABRICATION COMMENCES. PROVIDE ALL CLEATS, BRACKETS, HOLES, BOLT AND WELDING NOT SHOWN BUT NECESSARY FOR CONSTRUCTION.

- UNLESS OTHERWISE NOTED ALL BOLTED AND WELDED CONNECTIONS TO DEVELOP
- UNLESS OTHERWISE NOTED ALL BOLTED AND WELDED CONNECTIONS TO DEVELOP THE FULL STRENGTH O FREMERS JOINED. STEEL BEAMS TO BE FABRICATED WITH NATURAL CAMBER UPWARDS. FULLY SEAL ALL HOLLOW SECTIONS USING 5mm THICK PLATES. UNLESS OTHERWISE HOTED USE: 2. 6mm CONT. FILLET WELD CATEGORY SP. CHIP ALL WELDS FREE OF SLAG. SHOP DETAILER TO NOTIFY EXEUS STRUCTURAL DESIGN CONSULTANTS IF THEY WISH TO ADOPT ALTERNATE DETAILS TO HOLS SENDWO NO STRUCTURAL DRAWINGS AND SUBMIT DETAILS FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING WITH WORKS. 10.1. 10.2.
- PROCEEDING WITH WORKS. SHOP DRAWINGS TO BE REVIEWED FOR COMPLIANCE WITH EXEUS STRUCTURAL DESIGN CONSULTANTS DRAWINGS PRIOR TO FABRICATION. ALLOW 10 WORKING DAYS FOR REVIEW. NO PENETRATIONS OR CHAMFERING OF STEELWORK IS PERMITTED WITHOUT 13.
- PRIOR APPROVAL FROM EXEUS STRUCTURAL DESIGN CONSULTANT ALL STEEL PURLINS TO BE ERECTED TO MANUFACTURERS SPECIFICATIONS AND 14.
- 15.
- DETAILS. ALL STEELWORK CORROSION PROTECTION INCLUDING NUTS, BOLTS, CLEATS, ETC. TO COMPLY WITH TABLE 1.1. PROVIDE 1:2 CEMENT SAND GROUT UNDER ALL SEATING AND BASE PLATES ENSURING THE SPACE UNDER ALL PLATES IS COMPLETELY FILLED PRIOR TO ERECTION OF STEEL OVER. 16.
- ALL STEEL COLUMNS ADJACENT TO MASONRY TO HAVE ONE R6 ROD CRIMPED 17. AND WELDED 25mm EACH SIDE AT 4c CTS. PROVIDE WIRE TIES BUILT INTO BRICKWORK AT 4c CTS EACH SIDE OF COLUMN.

- REINFORCEMENT: 1. REINFORCEMENT IS TO COMPLY WITH AS4671. 2. CORROSION PROTECTION TO REINFORCING TO COMPLY WITH TABLE 1.1. 3. REINFORCING TO BE VIEWED AND APPROVED BY EXEUS STRUCTURAL DESIGN CONSULTANTS PRIOR TO PLACEMENT OF CONCRETE UNLESS OTHERWISE DODUMENT MUNITIME OF TWO CENCE
- CONSULTANTS PRIOR TO PLACEMENT OF CONCRETE UNLESS OTHERWISE

 PROVIDED IN WRITING BY THIS OFFICE.

 NINIMULAPS / COGS TO BE, UNLESS NOTED OTHERWISE:

 SL MESH LAPS ONE MESH PITCH PLUS 100mm

 RL MESH LAPS 300mm

 TRENCH MESH 40 x BAR DIA.

 BAR LAPS / SPLICES 40 x BAR DIA.

 SLOPES OF CRANKED BARS NOT TO EXCEED 16.
 SUOPED TO.

 SLOPES OF CRANKED BARS NOT TO EXCEED 16.
 SUPPORTES, APPROVED BY THE

 MANUFACTURER TO SUIT THE CONSTRUCTION ELEMENT AND EXPOSURE
 LASSIFICATION.

 ENSUBE THACTAITON
 THE CONSTRUCTION REMENT AND EXPOSURE

 CLASSIFICATION.
 ENSUPPORTE TO SUIT THE CONSTRUCTION DARD PROPRIET ARY CHAIRS OR SUPPORTE AND EXPOSURE

 GN SUPPORTE TAN THE MANUFACTURER TO SUIT THE CONSTRUCTION REMENT AND EXPOSURE
 CLASSIFICATION.

- OR SUPPORTS, APPROVED BY THE MANUFACTURER TO SUIT THE CONSTRUCTION

- OR SUPPORTS, APPROVED BY THE MANUFACTURER TO SUIT THE CONSTRUC ELEMENT AND EXPOSURE CLASSIFICATION. MESH IS NOT PERMITTED TO BE LIFTED DURING CONCRETE POUR. ALL CHAIRS OR SUPPORTS TO BE SUPPLIED AND INSTALLED IN ACCORDANC WITH THE MANUFACTURER'S SPECIFICATIONS AND DETAILS. REINFORCING GRADE NOTATIONS AS SHOWN THE DRAMINGS. 1. BARS: N GRADE SOD DEFORMED REINFORCING BAR R STRUCTURAL GRADE PLAIN ROUND BAR I GRADE SOD WELD MESH









- PENETRATION RESISTANCE OF 8 BLOWS MINIMUM PER 300mm USING A STANDARD FALLING VEIGHT PERTH SAND PENETRONETER. DO NOT USE COMPACTION METHODS THAT MAY CAUSE DAMAGE OR DISTURBANCE TO NEIGHBORING STRUCTURES. COMPACTION METHODS ARE THE BUILDER'S RESPONSIBILITY.
- CONCRETE ALL CONCRETE TO COMPLY WITH AS3600. UNLESS NOTED OTHERWISE, CONCRETE QUALITY TO BE AS FOLLOWS:

5.

	TABLE C1 - CONCRETE QUALITY											
	ITEM	f'c (MPa)	MAX AGG.	MAX SLUMP								
	FOOTING	25 MPa	20mm	80mm								
	GROUND SLAB	25 MPa	20mm	80mm								
З.	USE ONLY ORDINARY PORTLAND CE	MENT TYPE GP,	UNLESS OTHE	RWISE NOTED.								
4.	LOCATE CONDUITS AND PIPES UNDE	R TOP REINFOR	CEMENT AND O	VER BOTTOM								
	REINFORCEMENT. ALL SERVICES TO	BE CONFIRMED \	WITH EXEUS ST	RUCTURAL								
	DESIGN CONSULTANTS PRIOR TO PL	ACEMENT. ALLO	W ADEQUATE	SPACING TO								

CONDUITS. ENSURE ALL SERVICES AND PIPES ARE LOCATED OUTSIDE OF 300mm FROM A 1:1

- UNKT: ALL MASONRY IS TO COMPLY WITH AS3700. MASONRY IS TO HAVE A MINIMUM CHARACTERISTIC UNCONFINED COMPRESSIVE STRENGTH OF LYMPA, JUNESS NOTEO OTHERWISE. LOAD SLAB WITH BRICK PALLETS ADJACENT TO WALL POSITIONS AND ALLOW З.
- LUAD SLAB WITH BRILK FALLETS AUJALENT TO WALL PUSITIONS AND ALLOW DEFLECTION TO OCCUR BEFORE BRICKWORK IS COMMENCE). NO PENETRATIONS, NOTCHING OR CHASING OF MASONRY IS PERMITTED WITHOUT PRIOR APPROVAL FROM EXEUS STRUCTURAL DESIGN CONSULTANTS. REINFORCE ALL MASONRY WALLS ON SUSPENDED SLAB WHERE NO WALLS UNDER WITH 2-R6 RODS PER LEAF. LOCATE RODS ONE COURSE UP FROM TOP OF SLAB. 5. SI AB
- REINFORCE ALL BRICKWORK OVER LINTELS SPANNING GREATER THAN 3300mm WITH 2.-RF RODS PER LEAF IN FIRST TWO BED JOINTS, CONTINUE RF RODS 500mm PAST OPENING, LAP 500mm AT CORNER LOCATIONS OR FULL EXTENT OF NIBS. ALL RODS IN MASONRY WHERE REFERRED TO IN THIS DOCUMENT ATION SHALL COMPLY WITH TABLE 1.1 WIRE THE ALL MASONRY AS PER THE BCA AND RELEVANT AUSTRALIAN
- 8.
- WIRE TIE ALL MASONRY AS PER THE BCA AND RELEVANT AUSTRALLAN STANDAROS. WIRE TIE CORROSION PROTECTION TO COMPLY WITH TABLE 11. BUILD ALL LOAD BEARING MASONRY HARD UP TO THE UNDERSIDE OF SLAB BEFORE CONCRETE IS POURED. PROVIDE BOND BREAKER OVER ALL MASONRY WALLS TO COMPLY WITH TABLE 1.1. WHERE A LEAF OF MASONRY IS NOT INTERSECTED OR TERMINATED FOR A LENGTH GREATER THAN 9%, INCLUDING ACROSS LINTELS, PROVIDE VERTICAL CONTROL JOINTS AS RECOMMENDED IN CCAA TECHNICAL NOTE 61, ARTICULATED VALLING / BCA & INCC. EXPANDABLE TIES WITH CORROSION PROTECTION AS PER TABLE 11 TO BE PROVIDED ACROSS JOINT AT 343 CTRS MAX.

				1.74.177.071	0176.0		30)
	TABLE M1 -	LINTELS					
11.	UNLESS NOTED	OTHERWISE,	LINTELS	TO OPEN	INGS TO	BE AS	FOLLOWS:

	LI	NTEL SIZE (V x H x	T)		
MAX OPENING	90mm BWK	110mm BWK	MIN BEARING EACH END		
1570	75x75x8 EA	90x90x8 EA	150		
2170	100x75x8 UA	75x100x10 UA	200		
2770	125x75x8 UA	100x100x10 UA	200 🔿		
3370	150x90x8 UA	150x100x10 UA	250		
LINTEL TO MANUFAC	TURER'S SPECIFICAT RWISE, TEE BARS T	O OPENINGS TO BE A	AND CONCRETE CERTIFICATION. S FOLLOWS		
TABLE M2 - TEE	BARS				
MAX OPENING	VERTICAL P	LATE (H x T)	MIN BEARING		
MAX OF ENING	ROOF OVER	SLAB OVER	EACH END		
3730	150×8	150×10	250		
4330	180×8	180×10	250		
5530	230×10	250x12	250		
6510	250×10	300×12	300		
HORIZONTAL PLATE AS FOLLOWS, U.N.O - 190 BWK - 180 - 230 BWK - 20 - 250 BWK - 23 - 270 BWK - 25 TEE LINTEL NOTES	E TO BE 20x10 PLATE 0x10 PLATE 0x10 PLATE 0x10 PLATE 0x10 PLATE		100 (300)		
- INSTALL 2-R6	RODS IN FIRST TWO BOVE LINTEL (LAP 50	BED JOINTS OF EACH	LEAF OF		

INTERSECTING LINELS TO BE MITRE CUT AND FULLY WELDED AT CORNER
 WELD TO FACE OF COLUMN WHERE APPLICABLE

NORTAD: ALL MORTAR TO BE COMPLIANT WITH BCA / NCC TABLE 3.3.1.2. UNLESS NOTED OTHERWISE, MORTAR MIXES TO BE AS FOLLOWS

TABLE M2 - MORTAR MIX BY VOLUME (CEMENT:LIME:SAND)

ITEM	INSTALLATION	LOCATION INDICATOR (SEE TABLE DP3)			
		EC1	EC2	EC3	
	INTERNAL	1:2:9	1:2:9	1:2:9	
BRICKWORK AND	EXTERNAL	2:1:9	2:1:9	1:1:6	
beochwonn	IN GROUND	1:0:4	1:0:4	1:0:4	
BLOCKWORK ONLY (USE	INTERNAL	1:0:5	1:0:5	1:0:5	
OF METHYL CELLULOSE	EXTERNAL	1:0:4	1:0:4	1:0:5	
THICKENER REQUIRED)	IN-GROUND	1:0:4	1:0:4	1:0:4	
LIMESTONE	ALL LOCATIONS	1:1:6	1:1:6	1:1:6	

DEMOLITION ALL DEMOLITION SHALL COMPLY WITH AS2601, AND ALL RELEVANT WORKCOVER

- ALL DEMOLITION SHALL COMPLY WITH A S2601, AND ALL RELEVANT WORKCOVER PUBLICATIONS AND REQUIREMENTS. THE BUILDER IS RESPONSIBLE FOR STABILITY AND INTEGRITY OF THE WORKS DURING DEMOLITION. THE BUILDER IS RESPONSIBLE FOR ENSURING THAT ALL STRUCTURES ARE PROTECTED FROM OVERSTRESSING AND INSTABILITY BY ADEQUATELY PROPPING DURING ALL STAGES OF DEMOLITION. IF ANY STRUCTURAL DAMAGE IS CAUSED TO THE STRUCTURE DURING DEMOLITION THIS OFFICE MUST BE CONTACTED FOR ADVICE OR SITE VISIT AS DEEMED APPROPRIATE BY EXEUS STRUCTURAL DESIGN CONSULTANTS, BEFORE PROCEEDING WITH ANY FURTHER WORKS. 4.
- FORMWORK
- 1. 2.
- IMWORK: FORMWORK IS TO COMPLY WITH AS3610. BUILD FORMWORK TO ARCHITECTURAL DRAWINGS. CHECK FOR FIXINGS, FLASHINGS, REBATES, PLUMBING & ELECTRICAL FITTINGS ETC. MINIMUM STRIPPING TIME TO BE 10 DAYS. PROVIDE ADEQUATE PROPPING FOR 28 DAYS MINIMUM. IF MASONRY IS TO BE BUILT ON SLAB DO NOT REMOVE PROPPING UNTIL A MINIMUM FOR DAYS OF A UPER PROVIME FOR PERFENDINTIL A
- 4. MINIMUM OF 28 DAYS HAS FLAPSED FOLLOWING CONCRETE POUR

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structural design consultants

- ER: THE STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE RELEVANT LOADING CODES; AS1170.1, AS1170.2 & AS4055
- LOADING CODES, AS1170 1, AS1170 2, A SAG05. ALL ROOF CONSTRUCTION TO BE IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA AND THE TIMBER STRUCTURES CODE AS1720 ALL TIMBER FRAMING SHALL BE CARRIED OUT IN ACCORDANCE TO THE TIMBER FRAMING CODE AS1684. ALL PLYWODD SHALL BE IN ACCORDANCE WITH AS2269 AND THE RECOMMENDATIONS OF THE PLYWOOD ASSOCIATION OF AUSTRALIA. ALL GLULAMS SHALL BE IN ACCORDANCE WITH AS128 AND AS1720. CORROSION PROTECTION TO ALL NAILS, SCREWS, BOLTS, FRAMING CONNECTORS, FTC TO COMPUTE Y WITH TAS11 F11 4 5.
- 6
- 9.
- CORROSION PROTECTION TO ALL NAILS, SCREWS, BOLTS, FRAMING CONNECTORS, ETC, TO COMPLY WITH TABLE 1.1 MINIMUM SCREW / BOLT FIXING CTRS AND END / EDGE DISTANCES TO AS1720.1 FIX TOP AND BOTTOM PLATES TO VERTICAL STUDS VIA APPROVED NAIL FIXINGS INCLUDING STRAPPING WHERE NOTED IN AS1684. NO PENETRATIONS, CHAMFERING OR NOTCHING OF TIMBER IS PERMITTED WITHOUT PRIOR APPROVAL. FROM EXEUS STRAUTURAL DESIGN CONSULTANTS. PROVIDE 30x10 HOLDING DOWN STRAPS FOLDED OVER AND BUILT INTO INTERNAL BED JOINT IN 20 GEOWT DP OF WALL, WRAPPED OVER WALL PLATE AT TOP AND FIXED VA.1-30X:ATS NAILS. PROVIDE CORROSION PROTECTION AS PER TABLE, 11 VIA STRAPS AT MAX SPACING AS FOLLOWS: TABLE T1 TIE POWN STRAP SPACING WIND REFGION (SEE TABLE TDP2) 10.

ROOFING	WIN	WIND REGION (SEE TABLE DP2)					
MATERIAL	N1	N2	N3	N4			
TILED	1800	1200	1200	900			
SHEET METAL	1200	1200	900	900			

- TAT INTELS OVER 1200mm SPAN PROVIDE R6 ROD CRIMPED AND WELDED TO TOP AND PROVIDE 30x10 TIE DOWN STRAPS IN ACCORDANCE WITH TABLES 1.1 AND T1, LOOPED THROUGH ROD, DOUBLED OVER WALL PLATE AND FIXED VIA 3-30x3.15
- 12. PROVIDE FULL HEIGHT STRAP WITH CORROSION PROTECTION AS PER TABLE 1.1 EACH SIDE OF OPENINGS AS FOLLOWS: TABLE T2 - FULL HEIGHT STRAP REQUIREMENTS

		-		
ROOFING	WI	ND REGION	N (SEE TAB	LE DP2)
MATERIAL	N1	N2	N3	N4
TILED	N/A	2100	1800	1500
SHEET METAL	2100	1800	1500	1200

- 13. CONNECT ALL RAFTERS, PURLINS, JOISTS ETC. TO WALL PLATES AND BEAMS VIA
- APPROVED FRAMING CONNECTORS. RIDGE AND GUTTER BATTENS TO BE SCREW FIXED VIA 2–14g BUGLE SCREWS, INTERMEDIATE BATTENS TO BE NAIL FIXED TO AS1684. MAXIMUM BIROSMOUTH NOTCH TO BE 200% OF RAFTER DEPTH TO A MINIMUM RAFTER DEPTH OF 90mm UN.O. 14.
- 15. TREAT ALL TIMBER IN CONTACT WITH GROUND AND CONCRETE WITH 'DIGGERS

ECO IN-GROUND TIMBER PROTECTA' (OR SIMILAR APPROVED) APPLIED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS TIMBER TREATMENT TO BE COMPLIANT WITH AS1684 & AS FOLLOWS:

SERVICE CONDITION

WETTING / LEACHING VERTICAL EXPOSED SITUATION NTENDED TO HAVE A SUPPLEMENTARY PAINT COAT

AND LEACHING

PROTECTED FROM WETTING, NIL LEACHING

PROTECTED FROM WETTING, NIL

PROTECTED FROM WETTING, NIL LEACHING

UBJECT TO PERIODIC MODERATE

YSTEM THAT IS MAINTAINED

UBJECT TO SEVERE WETTING

SUBJECT TO EXTREME WETTING AND LEACHING AND/OR WHERE FHE CRITICAL USE REQUIRES A HIGHER DEGREE OF PROTECTION

DSED SITUATIONS

GRADE

H2S

H3

НЗА

TABLE T3 - TIMBER TREATMENT

LOCATION

NSIDE, ABOVE GROUND TRUCTURAL FRAMING

NSIDE, ABOVE GROUND STRUCTURAL FRAMING, BELOW T.O.C.

SIDE, ABOVE GROUND

LYWOOD AND LVL EMBERS, BELOW T.O.C.

OUTSIDE, ABOVE GROUND

ABOVE GROUND FRAMING

OUTSIDE, ABOVE GROUND -ASCIAS, BARGE BOARDS

OUTSIDE, IN CONTACT WITH

OUTSIDE, IN CONTACT WITH GROUND & IN CONTACT WITH FRESH WATER – STUMPS, RET. WALLS

GROUND – LANDSCAPIN DECK, PERGOLA POSTS

16

				EPOXY COATING			 NO PENETRATIONS, NOTCHING OR CHASING OF CONCI PRIOR APPROVAL FROM EXFUS STRUCTURAL DESIG 	RETE IS PERMITTED WITHOUT					
	STRUCTU STEELWC CLEATS, S NAILS, B	URAL ORK, PLATES, SCREWS, OLTS, PS EPAMING	EXTERNAL LOCATIONS	HOT DIP GALV. TO	0600g/m2		 SHOP DETAILER TO NOTIFY EXCUS STRUCTURAL DE WISH TO ADOPT ALTERNATE DETAILS TO THOSE SH DRAWINGS AND SUBMIT DETAILS FOR REVIEW AND PROCEEDING WITH WORKS. 	ISOLOCUSULTANTS IF THEY IGWN ON STRUCTURAL APPROVAL PRIOR TO					
	CONNEC ISOLATEI MASONF CONCRE	CTORS (WHERE D AWAY FROM RY OR ETE)	INTERNAL LOCATIONS	HOT DIP GALV. TO)300g/m2		 SHOP URAWINGS TO BE REVIEWED FOR COMPLIANCE DESIGN CONSULTANTS DRAWINGS PRIOR TO FABRIC DAYS FOR REVIEW. ALL CONCRETE TO BE SUPPLIED BY AN APPROVED I. COMPACT CONCRETE BY USING APPROVED IMMERSIC 	. WITH EXEUS STRUCT UNAL ATION. ALLOW 10 WORKING PREMIXING COMPANY. IN VIBRATORS.					
	CAST-IN DOWELS	ITEMS, LUGS, 5, SHEAR	EXPOSED FACES	GALVANISED TO 6 TREAT EXPOSED I STRUCTURAL STE	600g/m2 PL FACES AS F ELWORK	US PER	 BEAMS AND SLABS TO BE POURED MONOLITHICALLY CURE ALL CONCRETE BY KEEPING MOIST, OR SIMILAF AFTER POURING. NOTIFY EXEUS STRUCTURAL DESIG 	Y. R APPROVED, FOR 7 DAYS IN CONSULTANTS OF					
	STUDS, F	PINS	INTERNAL LOCATIONS	GALVANISED TO 6	600g/m2		SELECTED METHOD.						
	REINFOR	RCING, LIGS,	EXTERNAL LOCATIONS SUCH AS BALCONIES, EXTERNAL SLABS	GALVANISED									
			INTERNAL LOCATIONS	NO SPECIAL TREA	TMENT								
	ADDITIONAL NOTES: - ALL HOT DIP GALVANIZING TO BE IN ACCORDANCE TO AS4680. - ALTERNATIVE TREATHENTS OR PRODUCTS TO BE SUBMITTED TO AND APPROVED IN WRITING BY EXEUS STRUCTURAL DESIGN CONSULTANTS. - "EXTERNAL LOCATIONS" AS REFERRED TO IN TABLE 11 INCLUDE EXPOSED, EXTERNAL OR COMPONENTS BUILT INTO HASONRY, INCLUDING STEELWORK IN CAVITES, U.N.O. - ALL STEELWORK IN CONTACT WITH GROUND TO BE COATED WITH INTERNATIONAL PROTECTIVE COATINGS' INTERZONE 954 EPOXY (250 MICRONS) IN ADDITION TO TREATMENTS LISTED IN TABLE 11								EXEUS structural design consultan	EXEUS PTY EXEUS STR ABN: 42 612 ADDRESS: PHONE: EMAIL: WEB:	LTD 17A JCTURAL 952 011 SUITE 1 #401 SC OSBORN (08) 624 admin@ exeus.c	DESIGN CONSULTANT ACN: 612 952 0 LEVEL 1, KYRIA HOU ARBOROUGH BEACH IE PARK, WA 6017 7 4616 exeus.com.au om.au	"S 11 SE, RD,
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