


CERTIFIED AS
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KFB Engineers

Civil & Structural

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P: 07 40320492 | F: 07 40320092 | E: email@kfbeng.com.au

Date: 27/9/22

Signed: 

Job No: K-10730

RPEQ No: 5711

TERMITE CONTROL
ALL PRIMARY BUILDING ELEMENTS - TERMITE RESISTANT

GENERAL NOTES

- TIMBER MEMBER SIZES AND CONNECTIONS NOT SHOWN ON PLANS SHALL COMPLY WITH AS 1684.3
- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT S.A.A. CODES AND THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITY EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION.
- EXECUTION AND CONTROL TESTING OF EARTHWORKS AND ASSOCIATED SITE PREPARATION WORKS SHALL COMPLY WITH A.S. 3798.
- ALL DIMENSIONS SHOWN SHALL BE VERIFIED ON SITE
- IF ANY DISCREPANCY OCCURS ON THE ENGINEERS DRAWINGS THE CONTRACTOR SHALL ASSUME THE LARGER/GREATER. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH ANY WORK. SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER.

WIND CLASSIFICATION - C2

WIND CLASSIFICATION	MAXIMUM DESIGN GUST WIND SPEED (M/S)	
	PERMISSIBLE STRESS	LIMIT STATE
C1	41 (W41C)	50
C2	50 (W50C)	61
C3	60 (W60C)	74

LOT 96
SP 318402
AREA = 4 ha
PARISH OF MOWBRAY
COUNTY NARES

ALL POOL FENCES AND BARRIERS MUST COMPLY WITH QUEENSLAND DEVELOPMENT CODE - MP 3.4 - "SWIMMING POOL BARRIERS". THIS CODE CALLS UP AND MODIFIES THE AUSTRALIAN STANDARD AS1926.2007.

STORMWATER
SURFACE WATER TO BE DISCHARGED BY NATURAL FALL OF THE GROUND AND EARTH OR CONCRETE SPOON DRAINS

DISCHARGE ROOF STORMWATER TO LEGAL DISCHARGE POINT. DOWNPIPES & GUTTERS TO COMPLY WITH BCA 3.5.2

EXISTING SHED

PROPOSED RESIDENCE

MOWBRAY RIVER ROAD

SEPTIC TANK

A.E.S. 15.6m x 2.88m

POOL

BRIDGE

TOP OF BATTER

EXISTING AWNING

6.0 M 207° 38' 30"

6000

6000

6000

6000

17703

46.29 M 297° 38' 30"

6.07 M

6m EASEMENT

DRIVEWAY EASEMENT

87.44 M 216° 24' 30"

81.37 M (87.44 M) 216° 24' 30"

46.29 M 117° 38' 30"

SITE PLAN
1:500

Job Number 22068
Sheet Number WD-1/1
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Drawn G.W.M.
Scale AS SHOWN
Date MAY 2022

MARSHALL DESIGN

20 KABAN GROVE, TRINITY PARK. Ph: 07 4057 9985
Email: george@marshalldesign.biz
Q.B.C.C. No. 63487

PROPOSED RESIDENCE
362 (LOT 96) MOWBRAY RIVER ROAD
MOWBRAY

For ALEX & KRISTEN KNIGHT

Diagram illustrating Wind Classification - C2. The diagram shows four horizontal lines with various numerical values and tick marks, likely representing wind speed or pressure distribution across different levels or zones.

Key values and labels from the diagram:

- Top line: 19921
- Second line from top: 5830, 14091
- Third line from top: 90, 3600, 70, 1980, 90, 4570, 3200, 90, 4720, 90, 1421
- Bottom line: 450, 390, 2400, 1510, 1200, 1790, 2400, 710, 3290, 1634, 2400, 2197, 900

PROPOSED FLOOR PLAN

1:100

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ROOMS AND FEATURES:

- BED 1:** Flat Ceiling, King 183 x 203, En Suite (Flat Ceiling, W.I.R., Flat Ceiling)
- BED 2:** Flat Ceiling, Queen 153 x 203
- BED 3:** Flat Ceiling, Queen 153 x 203
- KITCHEN:** Joinery by Others, Island Bench, Raking Ceiling. Includes CT (Cooktop), RH (Range Hood), UBO (Under-Bench Oven), SK (Sink), and REF (Refrigerator).
- DINING:** Raking Ceiling
- LIVING:** Flat Ceiling
- OUTDOOR KITCHEN:** Adjacent to the main kitchen.
- PATIO DECK:** Adjacent to the outdoor kitchen.
- POOL:** 6 x 4 by Others.
- BRIDGE:** Located at the bottom of the plan.

CEILING TYPES: FLAT CEILING, RAKING CEILING.

LEGEND:

- CT COOKTOP
- RH RANGE HOOD
- UBO UNDER-BENCH OVEN
- SK SINK
- REF REFRIGERATOR

ELEVATION KEY:

1, 2, 3, 4

Dimensions:

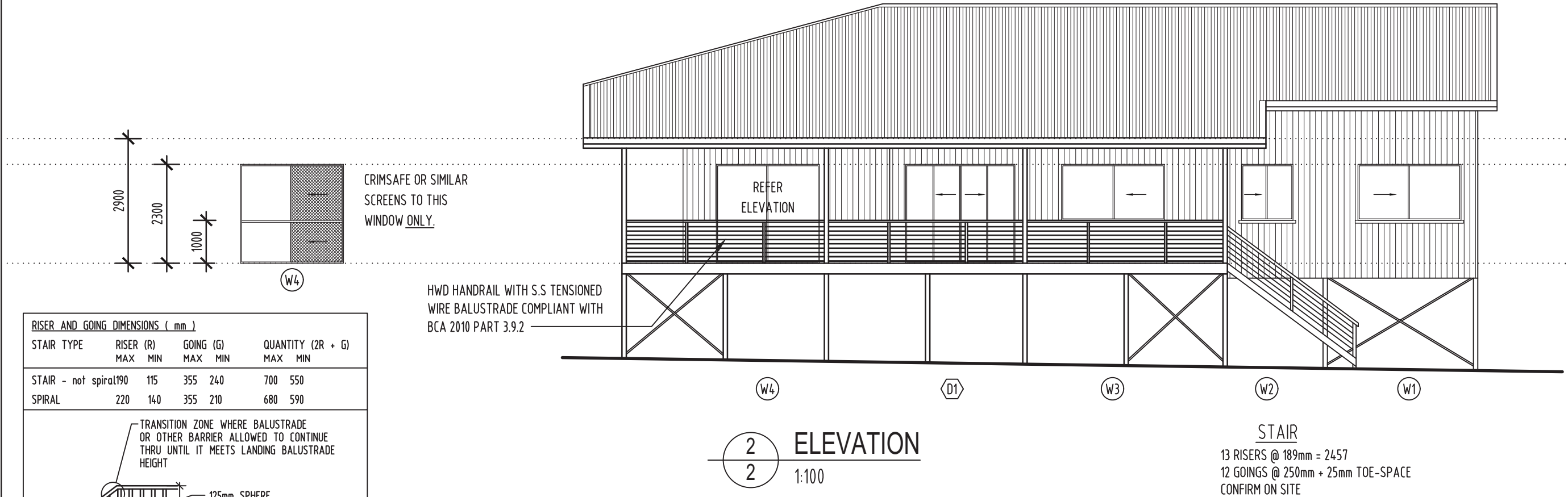
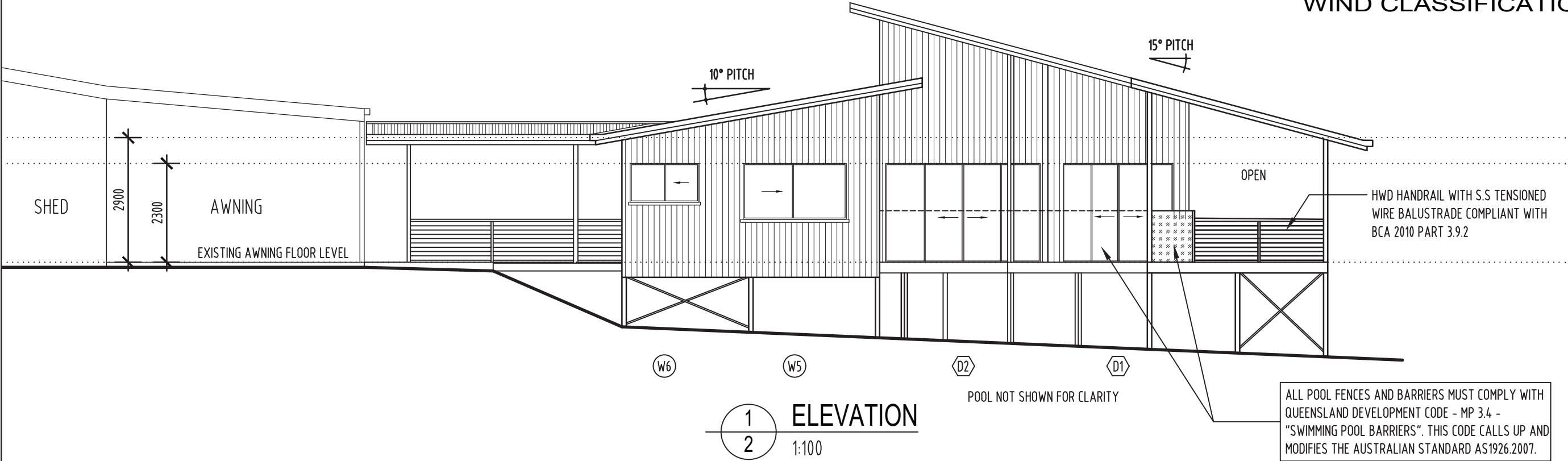
Overall dimensions: 13200 (width) x 18500 (length).

Room Dimensions (approximate):

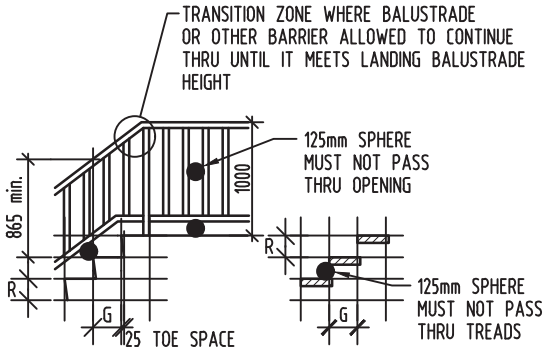
- Bed 1: 3910 x 2760
- Bed 2: 1070 x 2400
- Bed 3: 1070 x 2400
- Kitchen: 2000 x 2000
- Dining: 2000 x 2000
- Living: 2000 x 2000
- En Suite: 1000 x 1000
- Pool: 6000 x 3950

1:100

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RISER AND GOING DIMENSIONS (mm)					
STAIR TYPE	RISER (R)		GOING (G)		QUANTITY (2R + G)
	MAX	MIN	MAX	MIN	MAX MIN
STAIR - not spiral	190	115	355	240	700 550
SPIRAL	220	140	355	210	680 590



STAIR / BALUSTRADE DETAIL

IN ACCORDANCE WITH B.C.A. PART 3.9.1 & 3.9.2

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RPEQ No: 5711



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Job Number 22068

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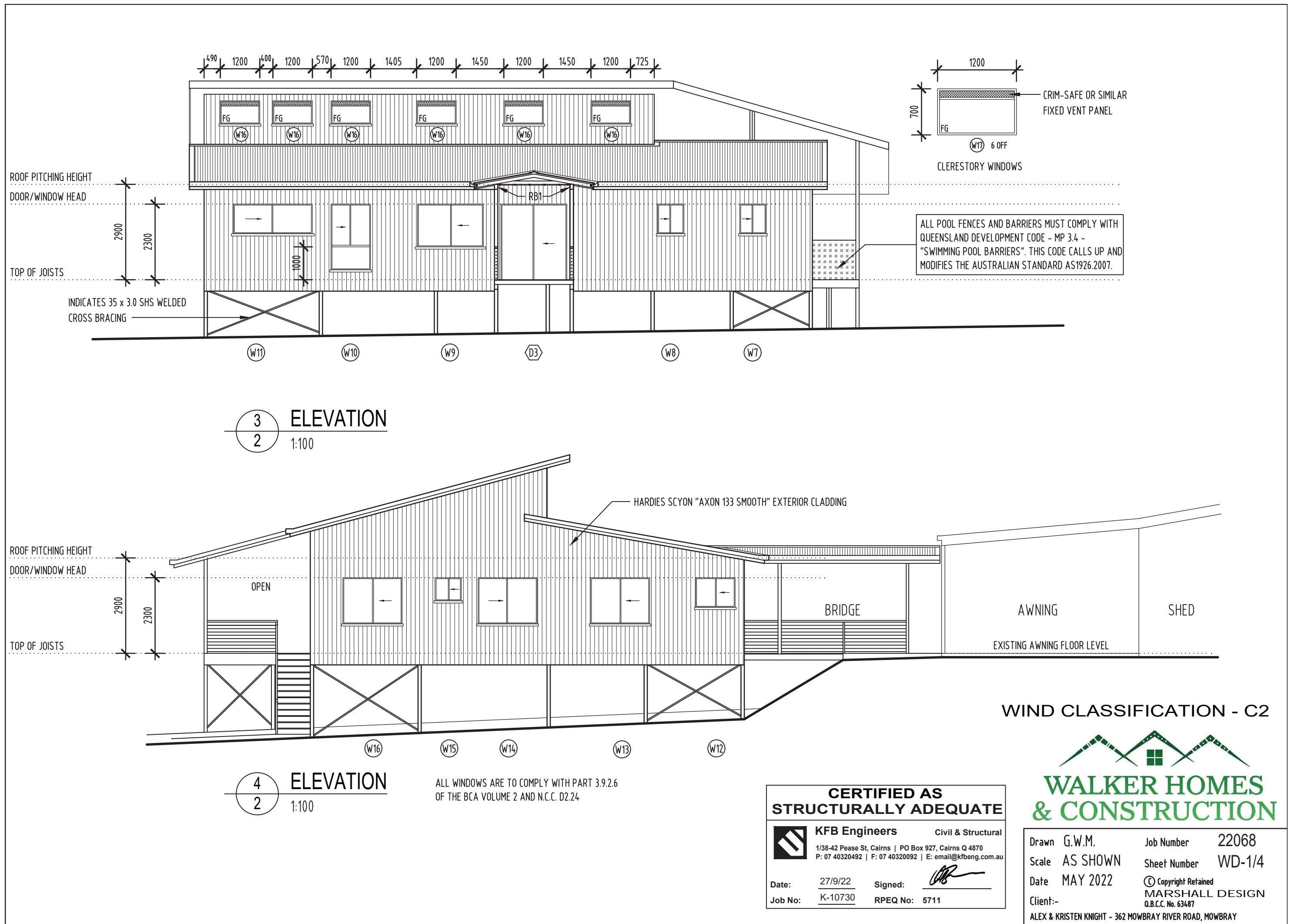
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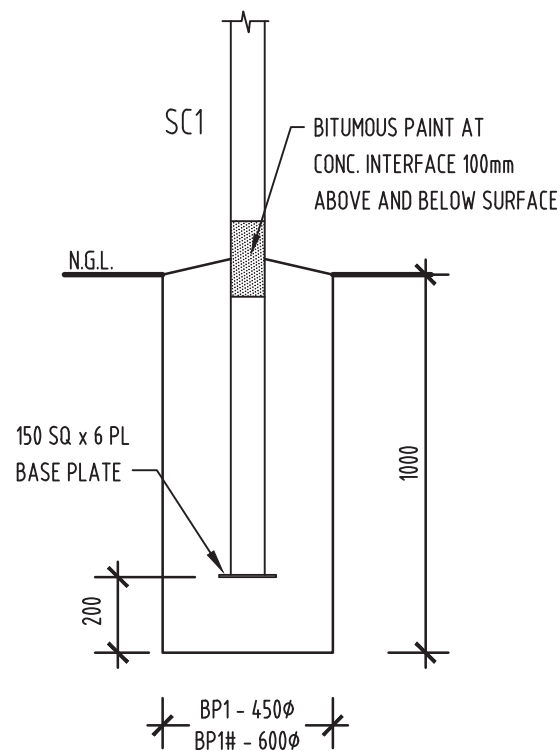
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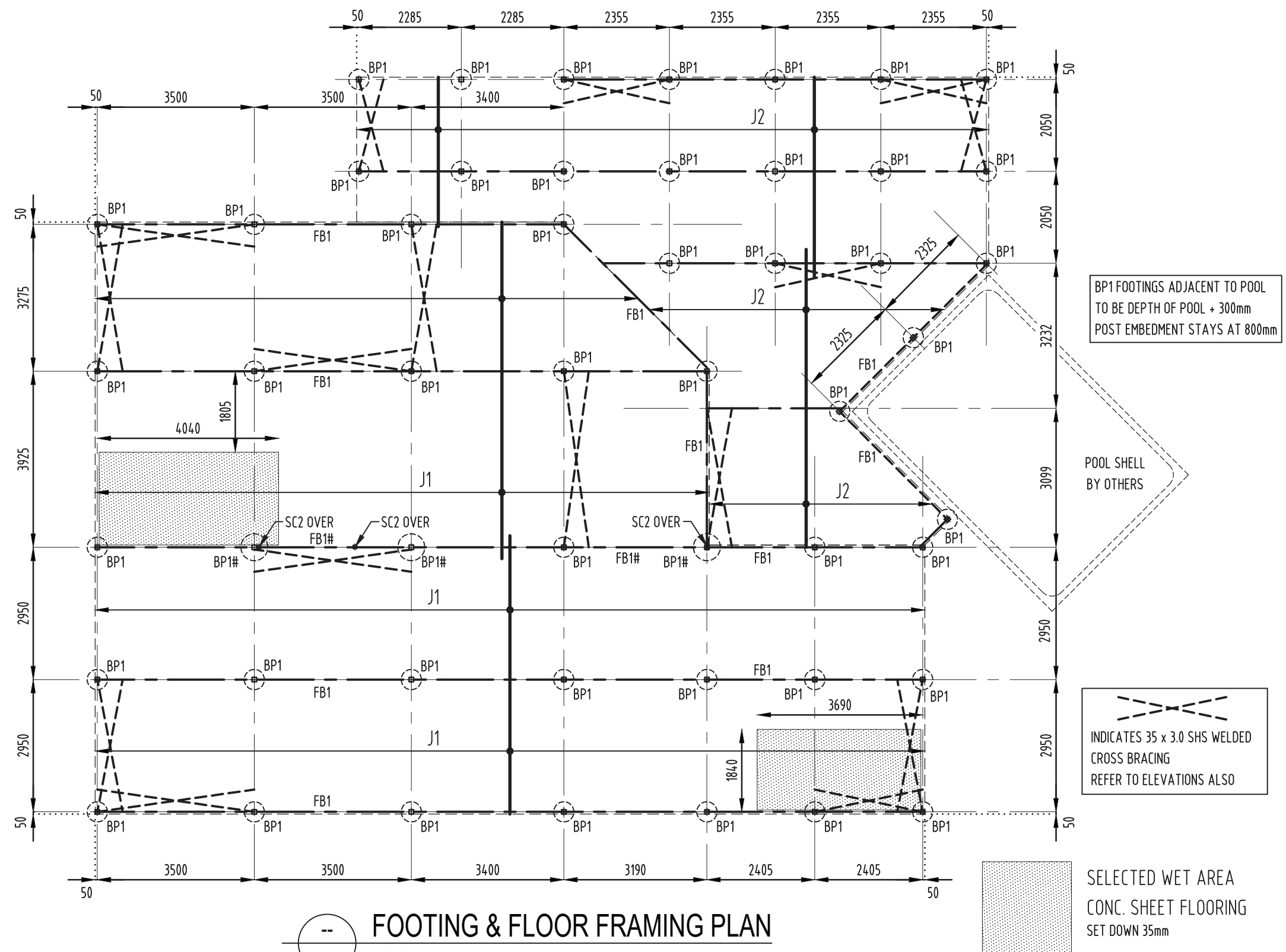


FOOTINGS HAVE BEEN DESIGNED FOR A MINIMUM ALLOWABLE BEARING PRESSURE OF 100 kPa AND CLASS "S" SITE CLASSIFICATION ACCORDING TO EARTH TEST REPORT NO. Si 105-20 DATED MARCH 2020.

- NATURAL FOUNDATIONS TO BE GRUBBED OUT AND FREE FROM ORGANIC MATTER AND DEBRIS AND COMPACTED TO A MIN. 95% SRDD AT -5% TO +2% OF OPTIMUM MOISTURE CONTENT, OR NOT LESS THAN 70% DENSITY INDEX FOR COHESIONLESS SOILS. FILL TO SLAB AND FOUNDATIONS SHALL BE AN APPROVED NON-PLASTIC MATERIAL, COMPACTED IN MAX. 150mm LAYERS, TO 95% SRDD AT -5% TO +2% OF OPTIMUM MOISTURE CONTENT, OR NOT LESS THAN 70% DENSITY INDEX FOR COHESIONLESS SOILS.
- FOOTING TRENCHES SHALL BE CLEAN AND DRY AT THE TIME OF CASTING WITH ANY SOFTENED MATERIAL REMOVED. BASE OF FOOTINGS TO BE FOUND ON FIRM NATURAL GROUND WITH MIN. SAFE BEARING CAPACITY OF 100 kPa.
- REMOVE GRASS AND TOPSOIL CONTAINING ROOTS FROM SLAB SITE.
- PROVIDE COMPACTED SAND BEDDING UNDER SLAB.
- PROVIDE 0.2mm POLYTHENE MOISTURE BARRIER UNDER SLAB AND FOOTINGS.
- CONCRETE MUST COMPLY WITH THE FOLLOWING:
 - (a) CONCRETE MUST BE MANUFACTURED TO COMPLY WITH AS 3600; AND
 - (I) HAVE A STRENGTH AT 28 DAYS OF NOT LESS THAN 20 MPa (DENOTED AS N20 GRADE); AND
 - (II) HAVE A 20mm MAXIMUM NOMINAL AGGREGATE SIZE; AND
 - (III) HAVE A NOMINAL 100mm SLUMP.
 - (b) WATER MUST NOT BE ADDED TO THE MIX TO INCREASE THE SLUMP TO A VALUE IN EXCESS OF THAT SPECIFIED.
 - (c) CONCRETE MUST BE PLACED, COMPACTED AND CURED IN ACCORDANCE WITH GOOD BUILDING PRACTICE.
- VIBRATE ALL CONCRETE, CURE SLAB 7 DAYS MINIMUM.
- CONCRETE SURFACE TO BE MAINTAINED BY THE USE OF APPROVED CHAIRS SPACED AT APPROX. 750 CRS. CONDUITS AND PIPES SHALL NOT BE PLACED WITHIN COVER CONCRETE.
- LAPS SHALL BE:- N12 - 450mm, N16 - 600mm, FABRIC - ONE COMPLETE MESH OVERLAP BETWEEN SHEETS.
- CAST IN ITEMS SHALL BE HOT-DIPPED GALVANISED.
- FOOTINGS SHALL NOT BE LOCATED CLOSER TO THE NEAREST EDGE OF A STORMWATER/SEWER TRENCH THAN THE DEPTH OF THE TRENCH.
- SITE AREA SHOULD BE GRADED TO READILY REMOVE SURFACE WATER AND PREVENT PONDING ADJACENT TO FOUNDATIONS & DRIVEWAY.



BP1 & BP1# 1:20



FOOTING & FLOOR FRAMING PLAN

GRID LINE SETUP HAS BEEN BASED ON 100 SHS STUMPS

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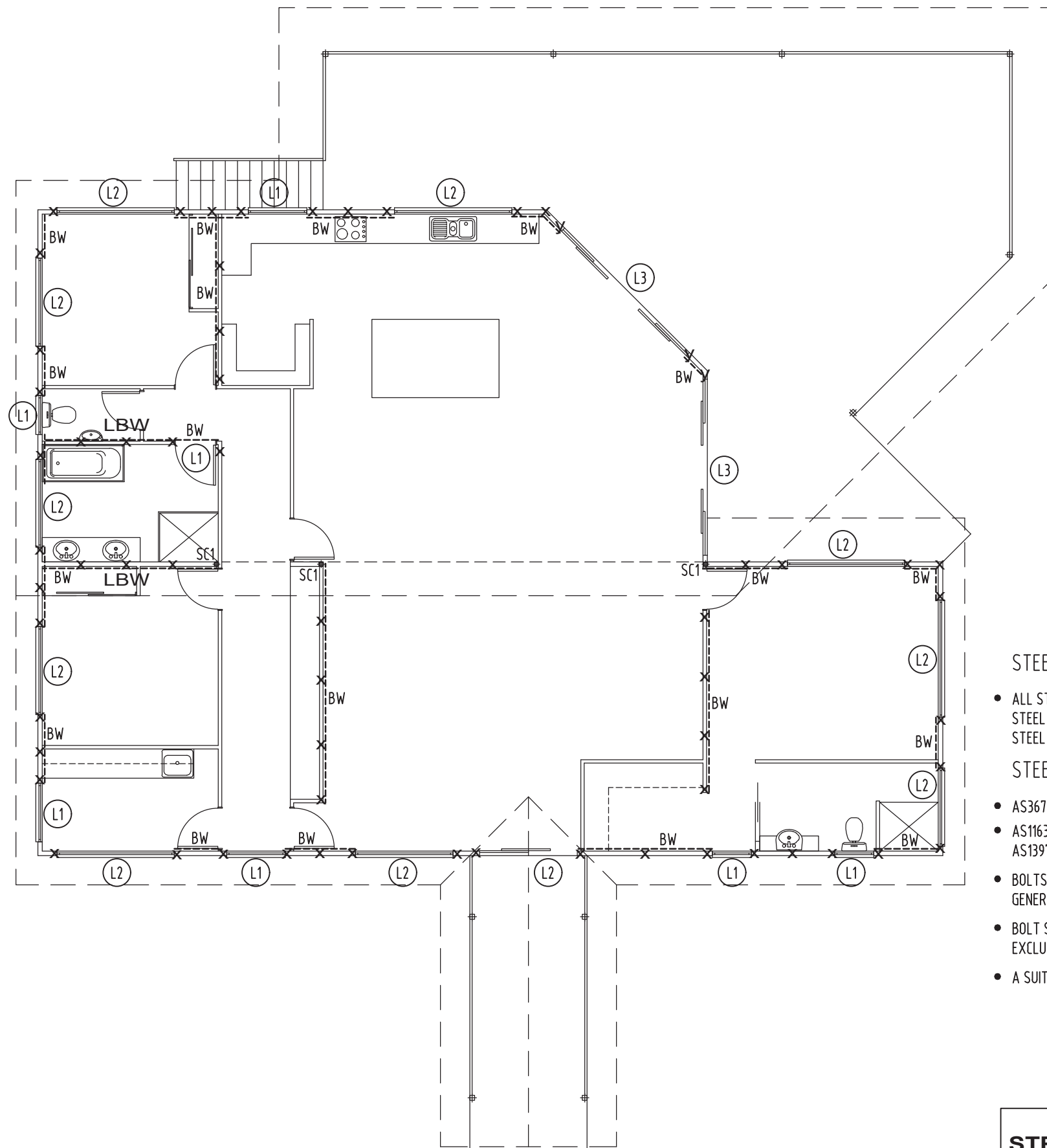
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Date: 27/9/22 Signed: 
Job No: K-10730 RPEQ No: 5711



**WALKER HOMES
& CONSTRUCTION**

Drawn G.W.M. Job Number 22068
Scale AS SHOWN Sheet Number WD-1/5
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WALL FRAMING PLAN
1:100

WALL FRAMING - EXTERNAL & LOADBEARING

- MGP12 H2
- 45 x 90 BOTTOM PLATE
- 2 - 90 x 45 TOP PLATES
- 90 x 35 STUDS AT 450 CRS. MAX TO 3000mm HIGH
- 90 x 35 STUDS AT 300 CRS. MAX TO 4000mm HIGH
- 35 x 90 NOGGINGS AT 1350 CRS. MAX.
- LINTELS AS SCHEDULED
- SILLS IN ACCORDANCE WITH 1684.3
- M12 HOLD-DOWN AT CORNERS, BESIDE OPENINGS, BESIDE TRUSSES/RAFTERS AND AT 900 CRS. TYPICAL
- EXTRA HOLD-DOWN RODS WHERE INDICATED.

WALL FRAMING - INTERNAL AND NON-LOADBEARING.

- NOMINAL 70 x 35 MGP10 H2 FRAMING, STUDS AT 450 CRS. MAX., NOGGINGS AT 1350 CRS. MAX.
- STUDS AT 300 CRS UP TO 3000mm HIGH.

- x M12 HOLD-DOWN ROD
- y M16 HOLD-DOWN ROD

LINTELS

L1	2/90 x 45 MGP12	1 STUD EACH SIDE + JAMB
L2	2/150 x 45 LVL	2 STUDS EACH SIDE + JAMB
L3	2/200 x 45 LVL	3 STUDS EACH SIDE + JAMB

BW 4mm F27 STRUCTURAL PLY FIXED WITH 2.8 x 30 GALV. FLAT HEAD NAILS.
@150 CRS TO TOP AND BOTTOM PLATES
@150 CRS TO VERTICAL SHEET EDGES
@300 CRS TO INTERMEDIATE STUDS

PROVIDE JOIST BLOCKING AT 450 CRS UNDER INTERNAL BRACE WALLS AND M12 RODS AT 1200 CRS WITH RACKING BLOCKS TO WALL FRAMING IN ACCORDANCE WITH AS1684.3 FOR MIN. 7.2kN RACKING RESISTANCE.

STEELWORK

- ALL STEELWORK SHALL BE IN ACCORDANCE WITH AS4100 STEEL STRUCTURES CODE. & AS/NZS 4600 COLD FORMED STEEL STRUCTURES.

STEEL SHALL BE:

- AS3679.1 GRADE 300 PLUS FOR HOT ROLLED SECTIONS.
- AS1163 GRADE 350 FOR HOLLOW SECTIONS.
- AS1397 G450 Z350 FOR C SECTIONS.
- BOLTS SHALL BE COMMERCIAL GRADE 4.6/S SNUG TIGHTENED GENERALLY U.N.O.
- BOLT SHALL BE GALVANISED AND OF SUFFICIENT LENGTH TO EXCLUDE THE THREAD FOR THE SHEAR PLANE.
- A SUITABLE WASHER SHALL BE USED UNDER ALL NUTS.

UNLESS OTHERWISE SPECIFIED THE FOLLOWING SHALL APPLY:

- WELDING 6mm CONTINUOUS FILLET WELD TO FULL PERIMETER CONTACT.
- MEMBER SPLICES IF REQUIRED SHALL BE FULL PENETRATION BUTT WELDS.
- CLEATS, BRACKETS, STIFFENERS - EX. 10mm PLATE
- 5 PI END PI TO ALL HOLLOW SECTIONS.
- BOLT HOLE CLEARANCE 2mm
- HOLDDOWN BOLT HOLE CLEARANCE 4mm
- GROUT OF 2:1 CEMENT/SAND, MORTAR OF DAMP EARTH CONSISTENCY UNDER ALL BASE PLATES.
- CHEMSET ANCHORS TO BE RAMSET HAMMER CAPSULES or EQUIVALENT.
- ALL STEELWORK NOT HOT DIP GALVANISED SHALL BE ABRASIVE CLEANED TO CLASS 2.5 LEVEL AND PAINTED.
- PAINTING SHALL CONSIST OF ONE COAT OF APPROVED METAL PRIMER & TWO FINISH COATS.

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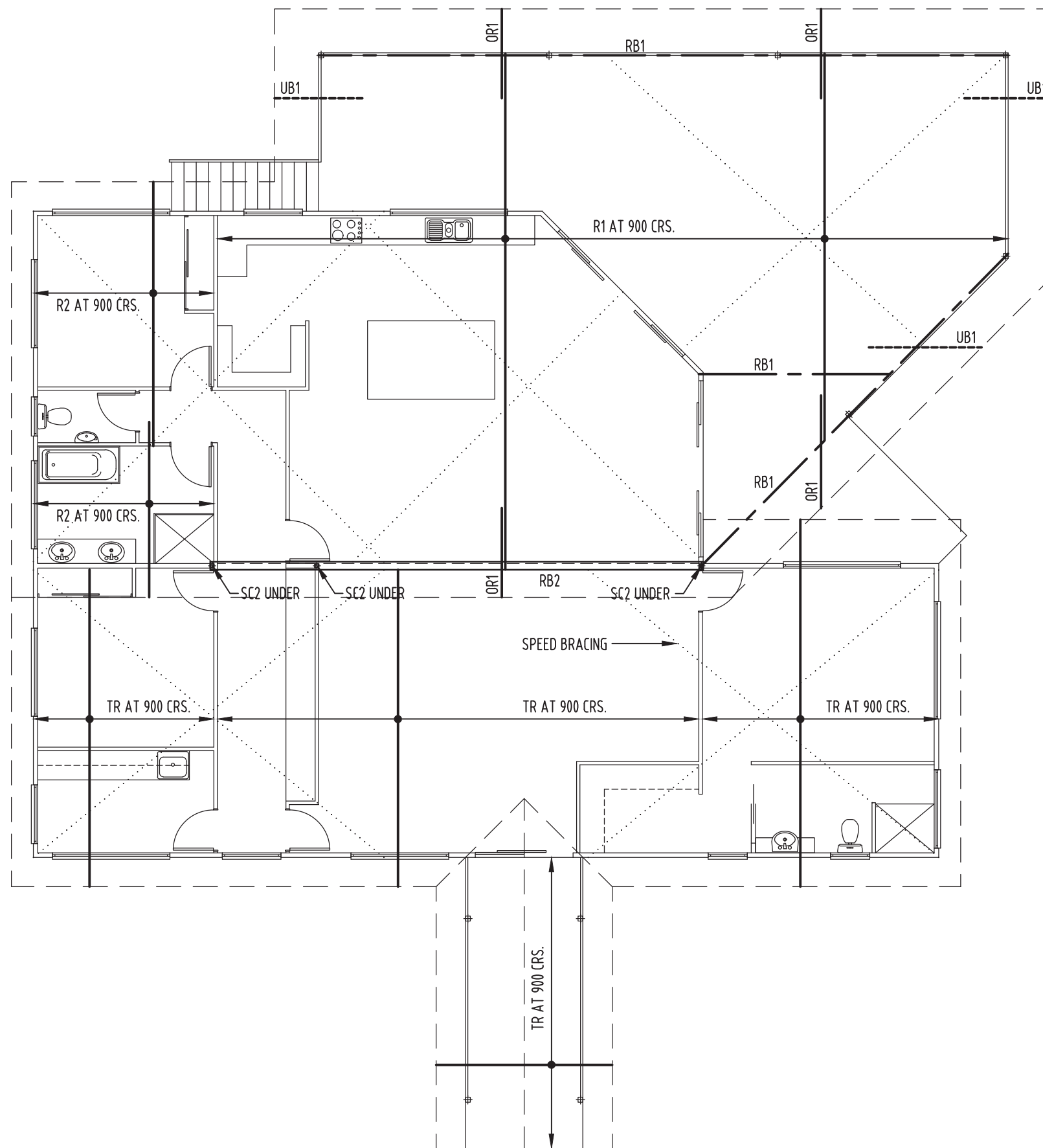
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STRUCTURAL MEMBER LEGEND

FB1	150 x 100 x 4.0 RHS BEAM
FB1#	150 x 100 x 4.0 RHS WITH 150 x 100 x 4.0 RHS STITCH WELDED UNDER
FB2	RHS BEAM
J1	200 x 45 LVL (H2) JOISTS AT 450 CRS. CUT DOWN TO 160mm IN WET AREAS
J2	150 x 50 F14 HWD JOISTS AT 450 CRS.
OR1	90 x 45 MGP12 H2 OUTRIGGERS
PP1	100 x 75 F14 HWD (H2) POLE PLATE
R1	C25019 PURLIN/RAFTERS
R2	130 x 45 LVL RAFTERS
RB1	150 x 100 x 4.0 RHS ROOF BEAM
RB2	310UB46 ROOF BEAM
SC1	100 x 4.0 SHS COLUMN
SC2	75 x 4.0 SHS COLUMN
TR	PROPRIETARY TRUSSES TO MANUF. SPEC. FOR C2 WIND CLASSIFICATION
UB1	35 x 3.0 SHS SLOTTED INTO BATTENS EXTENDING BACK 1 RAFTER (900 + OVERHANGS ONLY).



ROOF FRAMING PLAN
1:100

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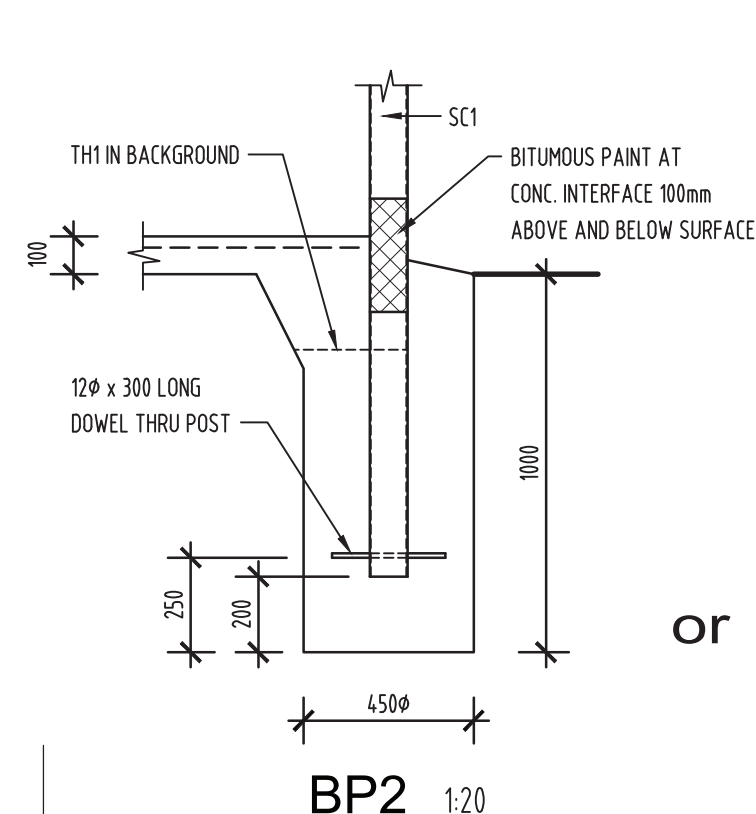
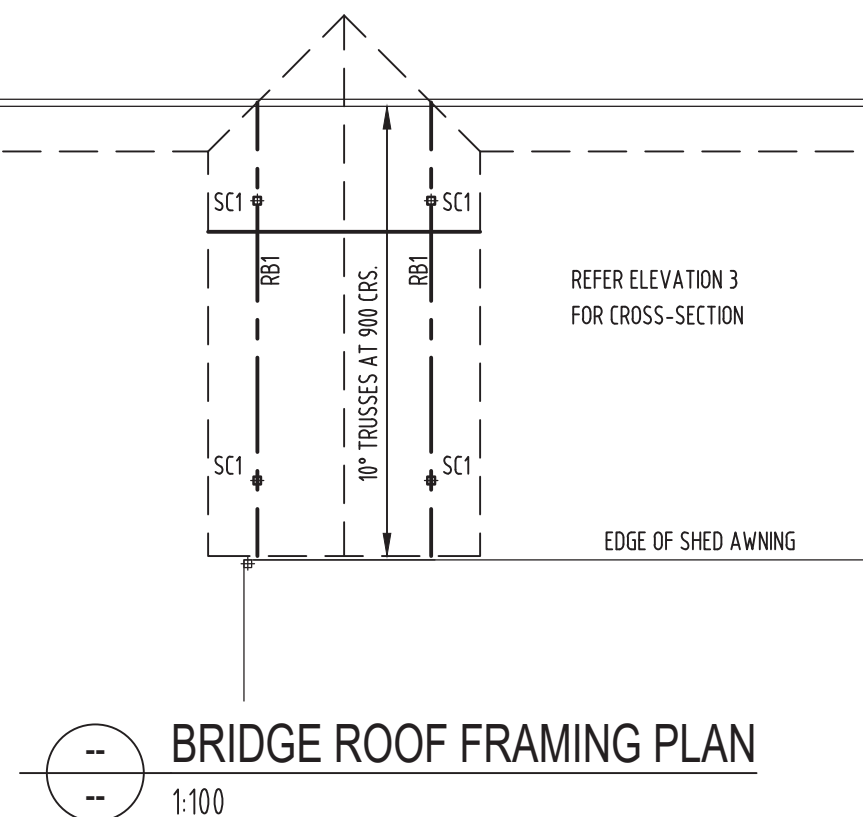
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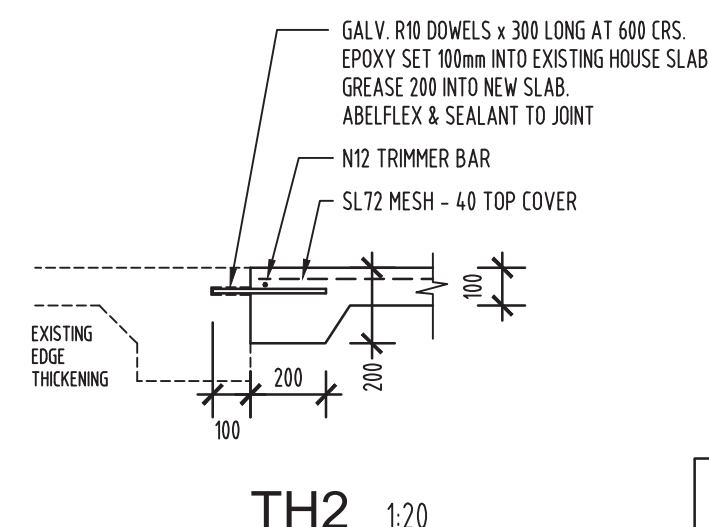
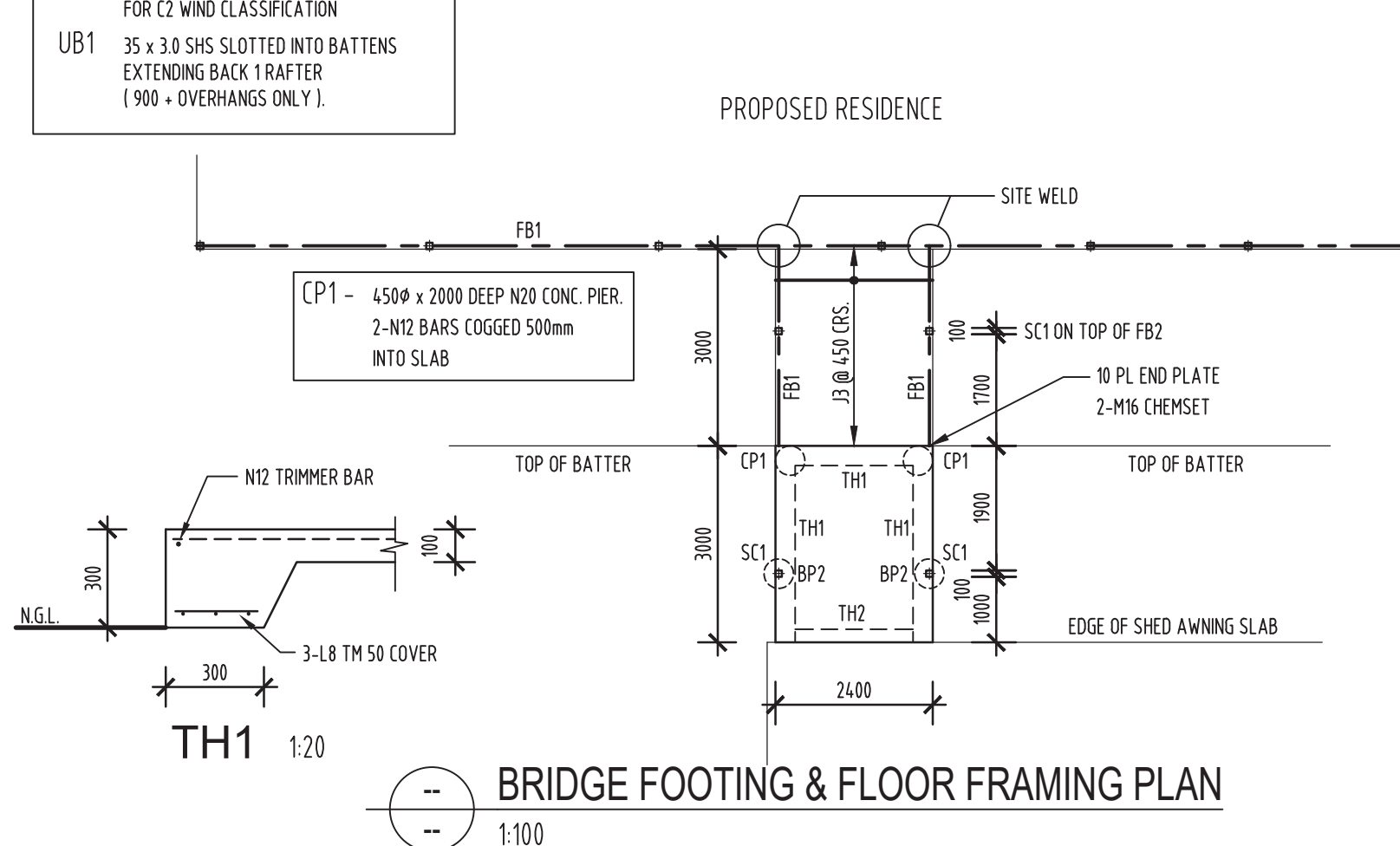
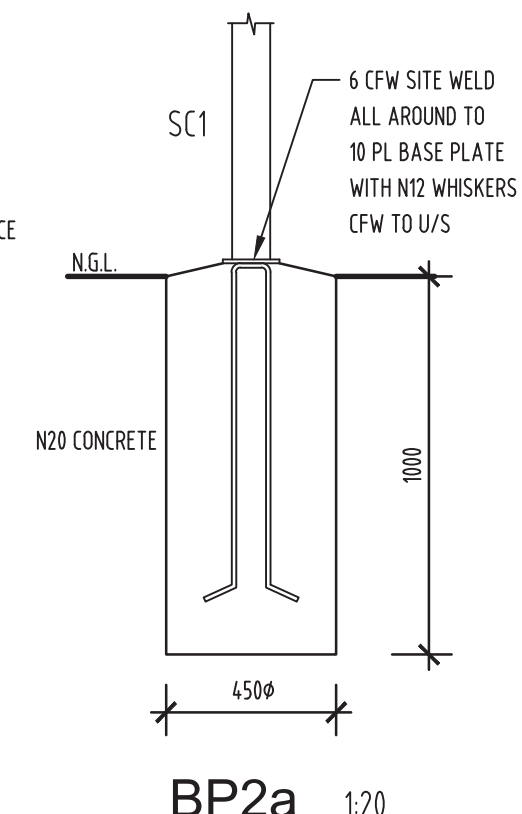
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STRUCTURAL MEMBER LEGEND

FB1	150 x 100 x 4.0 RHS BEAM
FB1#	150 x 100 x 4.0 RHS WITH 150 x 100 x 4.0 RHS STITCH WELDED UNDER
FB2	RHS BEAM
J1	200 x 45 LVL (H2) JOISTS AT 450 CRS. CUT DOWN TO 160mm IN WET AREAS
J2	150 x 50 F14 HWD JOISTS AT 450 CRS.
OR1	90 x 45 MGP12 H2 OUTRIGGERS
PP1	100 x 75 F14 HWD (H2) POLE PLATE
R1	C25019 PURLIN/RAFTERS
R2	130 x 45 LVL RAFTERS
RB1	150 x 100 x 4.0 RHS ROOF BEAM
RB2	310UB46 ROOF BEAM
SC1	100 x 4.0 SHS COLUMN
SC2	75 x 4.0 SHS COLUMN
TR	PROPRIETARY TRUSSES TO MANUF. SPEC. FOR C2 WIND CLASSIFICATION
UB1	35 x 3.0 SHS SLOTTED INTO BATTENS EXTENDING BACK 1 RAFTER (900 + OVERHANGS ONLY).



or



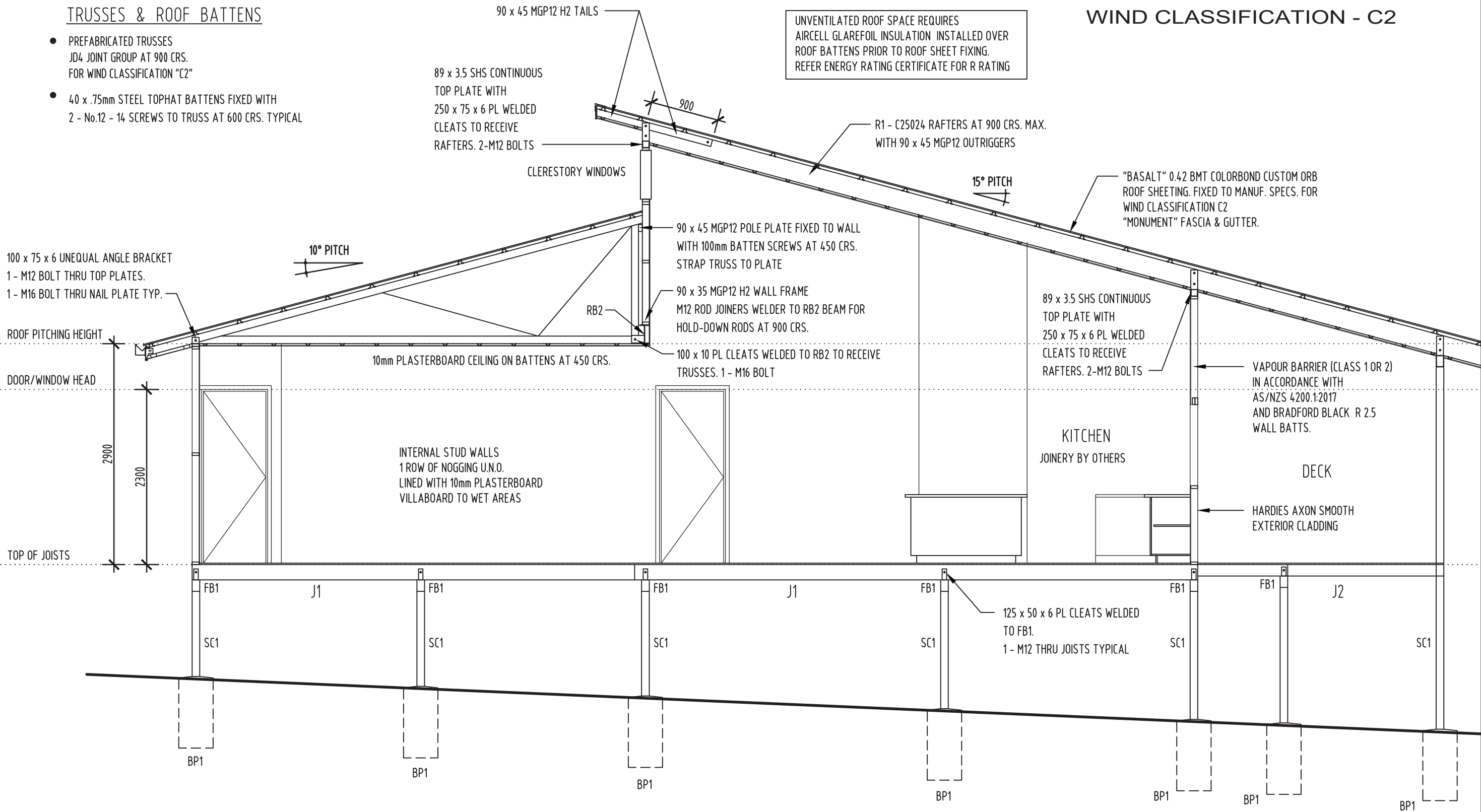
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TRUSSES & ROOF BATTENS

- PREFABRICATED TRUSSES
JD4 JOINT GROUP AT 900 CRS.
FOR WIND CLASSIFICATION "C2"
- 40 x .75mm STEEL TOPHAT BATTENS FIXED WITH
2 - No.12 - 14 SCREWS TO TRUSS AT 600 CRS. TYPICAL

WIND CLASSIFICATION - C2



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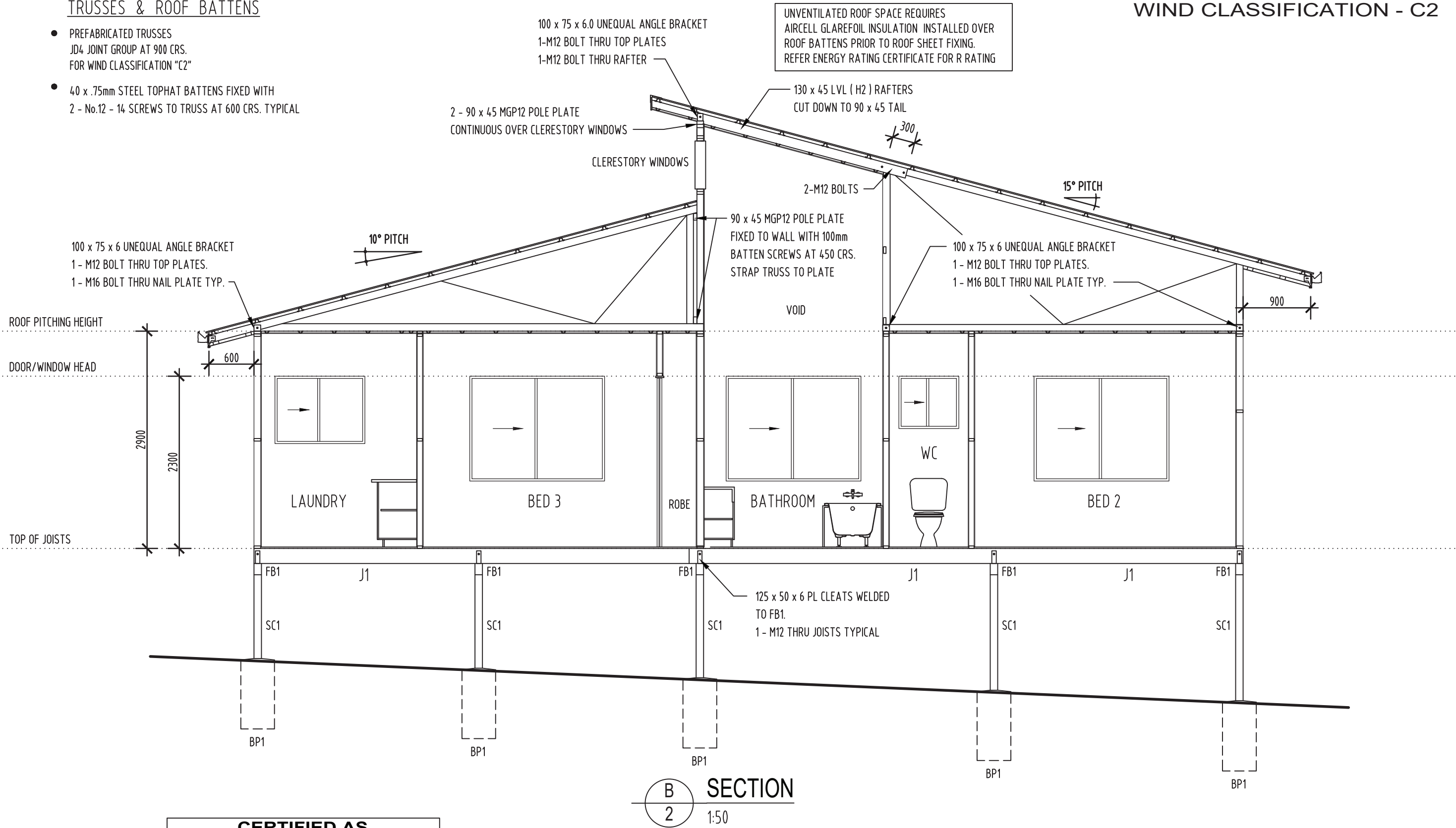
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2
SECTION
1:50

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TRUSSES & ROOF BATTENS


- PREFABRICATED TRUSSES
JD4 JOINT GROUP AT 900 CRS.
FOR WIND CLASSIFICATION "C2"
- 40 x .75mm STEEL TOPHAT BATTENS FIXED WITH
2 - No.12 - 14 SCREWS TO TRUSS AT 600 CRS. TYPICAL

WIND CLASSIFICATION - C2



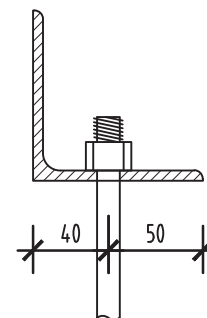
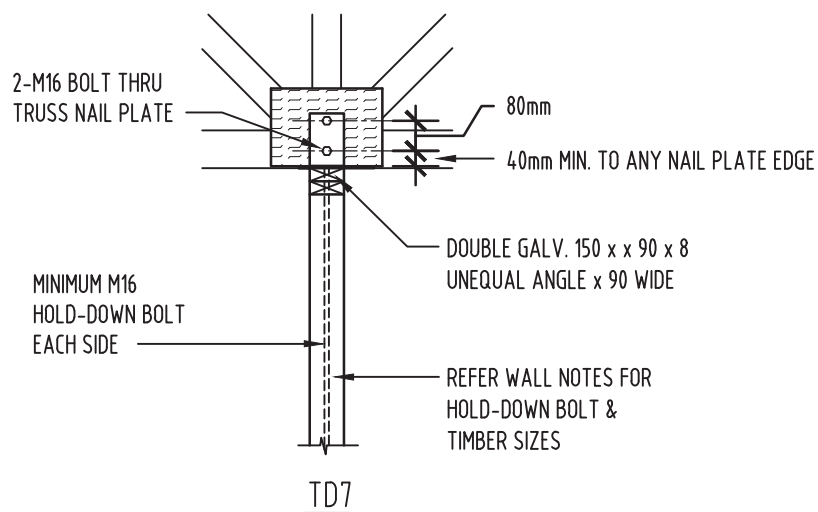
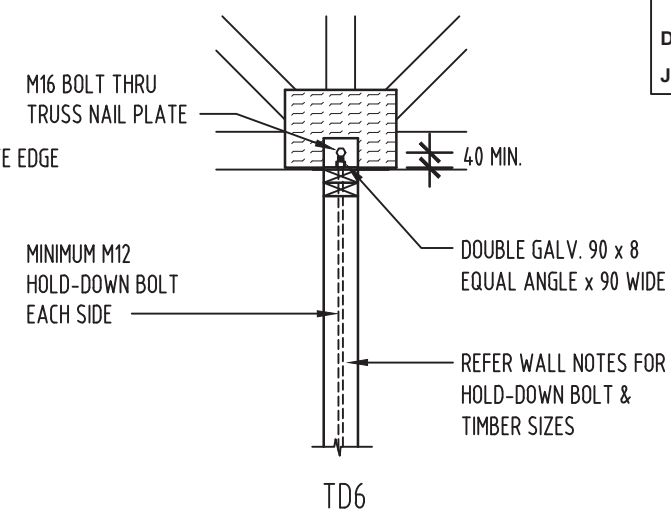
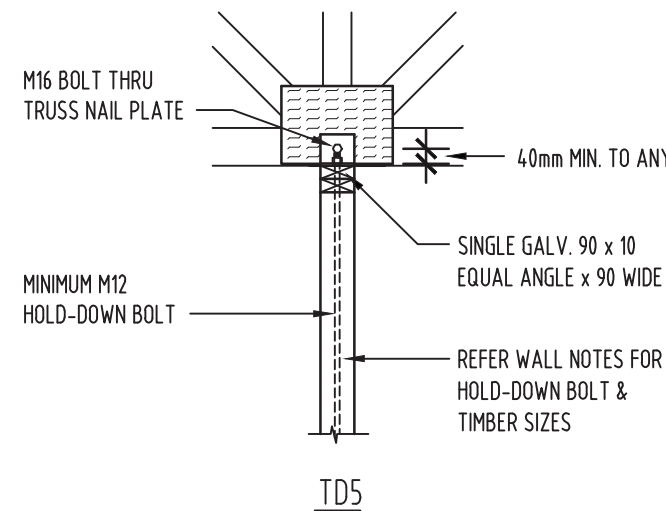
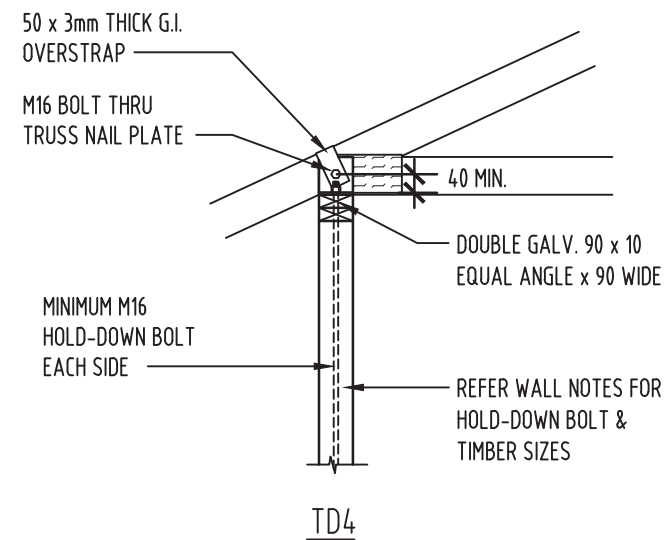
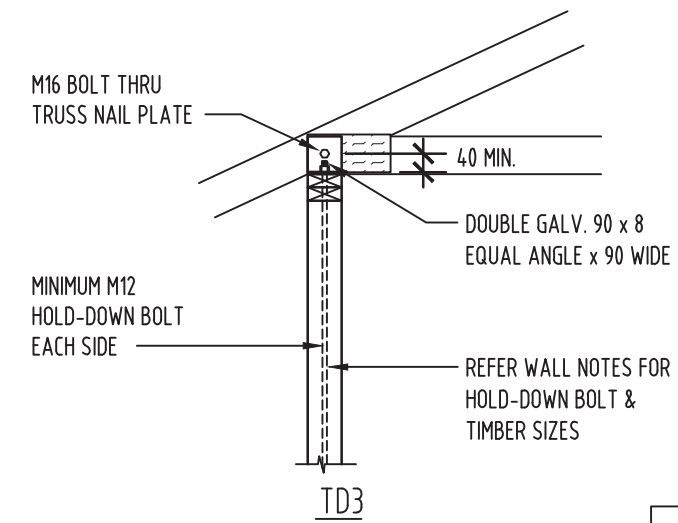
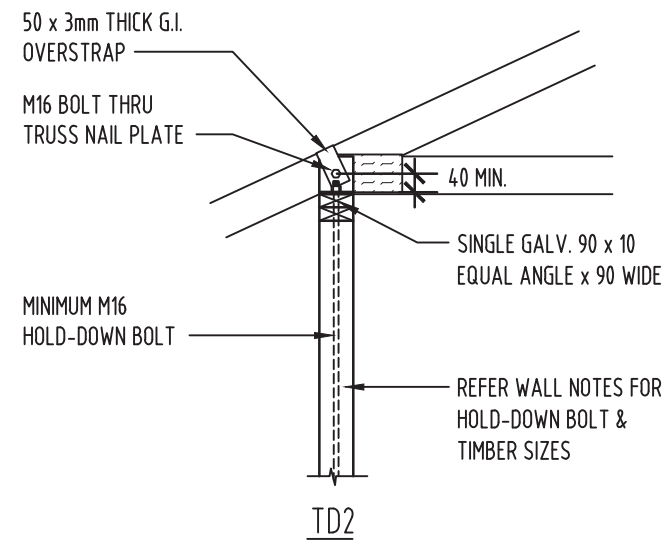
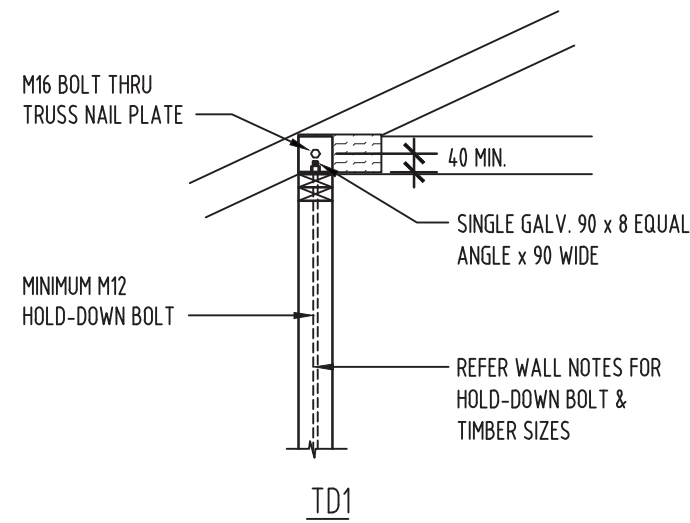
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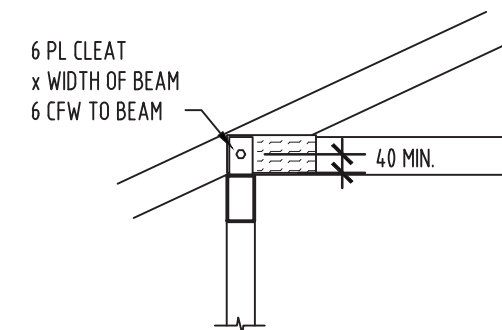
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TYPICAL ANGLE SECTION - GR300



UPLIFT RESISTANCE SAME AS TD1 - TD7 CONFIGURATION WITH ANGLES REPLACED BY CLEAT PLATES

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UPLIFT RESISTANCE kN ULTIMATE LIMIT STATE			
JOINT GROUP			
	4.6/S BOLTS		
TYPE	J1	JD4	
TD1	17	16	
TD2	27	27	
TD3	32	23	
TD4	54	54	
TD5	17	16	
TD6	32	23	
TD7	68	46	

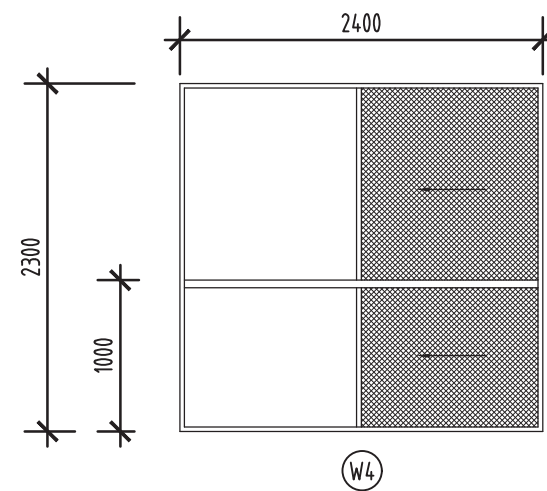
TRUSS MANUFACTURER'S NOTE
 MANUFACTURER IS TO SUBMIT TRUSS LAYOUT & REACTIONS REPORT TO THE ENGINEER FOR CONFIRMATION OF SIZES OF LINTELS AND THAT TIE DOWNS ARE ADEQUATE BEFORE INSTALLATION.

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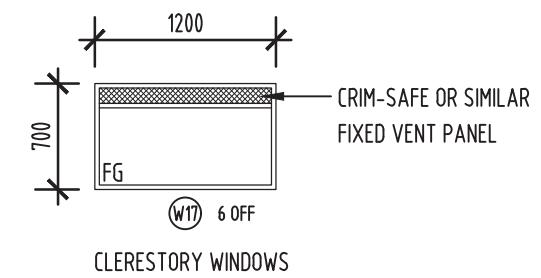
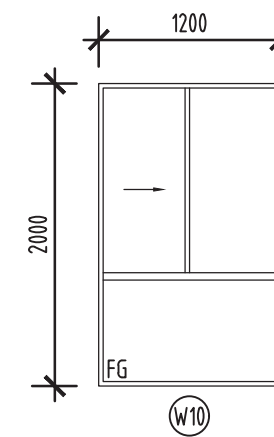
DOOR AND WINDOW SCHEDULE

No.	H x W	DESCRIPTION
D1	2300 x 3600	SLIDING GLASS DOOR OXXO
D2	2300 x 3600	SLIDING GLASS DOOR OXXO
D3	2300 x 2000	SLIDING GLASS DOOR OX
W1	1300 x 2400	SLIDING GLASS WINDOW OX
W2	1300 x 1200	SLIDING GLASS WINDOW OX
W3	1300 x 2400	SLIDING GLASS WINDOW XO
W4	2300 x 2400	SLIDING GLASS WINDOW - REFER ELEVATION
W5	1300 x 2400	SLIDING GLASS WINDOW XO
W6	900 x 1600	SLIDING GLASS WINDOW XO
W7	900 x 800	SLIDING GLASS WINDOW XO
W8	900 x 800	SLIDING GLASS WINDOW XO
W9	1300 x 2000	SLIDING GLASS WINDOW OX
W10	2000 x 1200	SLIDING GLASS WINDOW - REFER ELEVATION
W11	900 x 2400	SLIDING GLASS WINDOW XO
W12	900 x 1200	SLIDING GLASS WINDOW OX
W13	1300 x 1800	SLIDING GLASS WINDOW XO
W14	1300 x 1800	SLIDING GLASS WINDOW XO
W15	700 x 800	SLIDING GLASS WINDOW OX
W16	1300 x 1800	SLIDING GLASS WINDOW XO
W17	700 x 1200	FIXED GLASS WINDOW - REFER ELEVATION

- ALL GLAZING TO BE 6mm GREY TINT U.N.O.
- INSECT MESH ONLY TO ALL WINDOWS AND DOORS U.N.O.
- DOOR & WINDOW FRAMES ALUMINIUM - BLACK POWDERCOATED



CRIM-SAFE OR SIMILAR
SCREENS TO THIS
WINDOW ONLY
TO COMPLY WITH POOL
SAFETY REGULATIONS.



CERTIFIED AS STRUCTURALLY ADEQUATE



KFB Engineers

Civil & Structural

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Date: 27/9/22

Signed:

Job No: K-10730

RPEQ No: 5711

Drawn G.W.M.

Job Number 22068

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Sheet Number WD-1/12

Date MAY 2022

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PLUMBING NOTES

- WATER PRESSURE WILL NOT EXCEED 500KPA, OR A PRESSURE LIMITING DEVICE WILL BE FITTED.
- SHOWER ROSES HAVE A MINIMUM 3 STAR WATER EFFICIENCY LABELLING AND STANDARDS RATING.
- DUAL FLUSH CISTERNS HAVE A MINIMUM 4 STAR WATER EFFICIENCY LABELLING AND STANDARDS RATING. BE COMPATIBLE WITH THE SIZE OF BOWL TO ALLOW PROPER FUNCTIONING OF THE TOILET.
- TAPWARE TO LAUNDRY TUBS, KITCHEN SINKS AND BASINS TO HAVE A MINIMUM 3 STAR WATER EFFICIENCY LABELLING AND STANDARDS RATING.
- ENSURE THAT NO DOOR OPENINGS WITHIN 1500mm OF THE SHOWER ROSE IF THERE ARE NO SCREENS PRESENT.
- A CERTIFICATE WILL BE PROVIDED BY THE PLUMBER TO CERTIFY THAT THE ABOVE ITEMS HAVE BEEN COMPLIED WITH

LEGEND

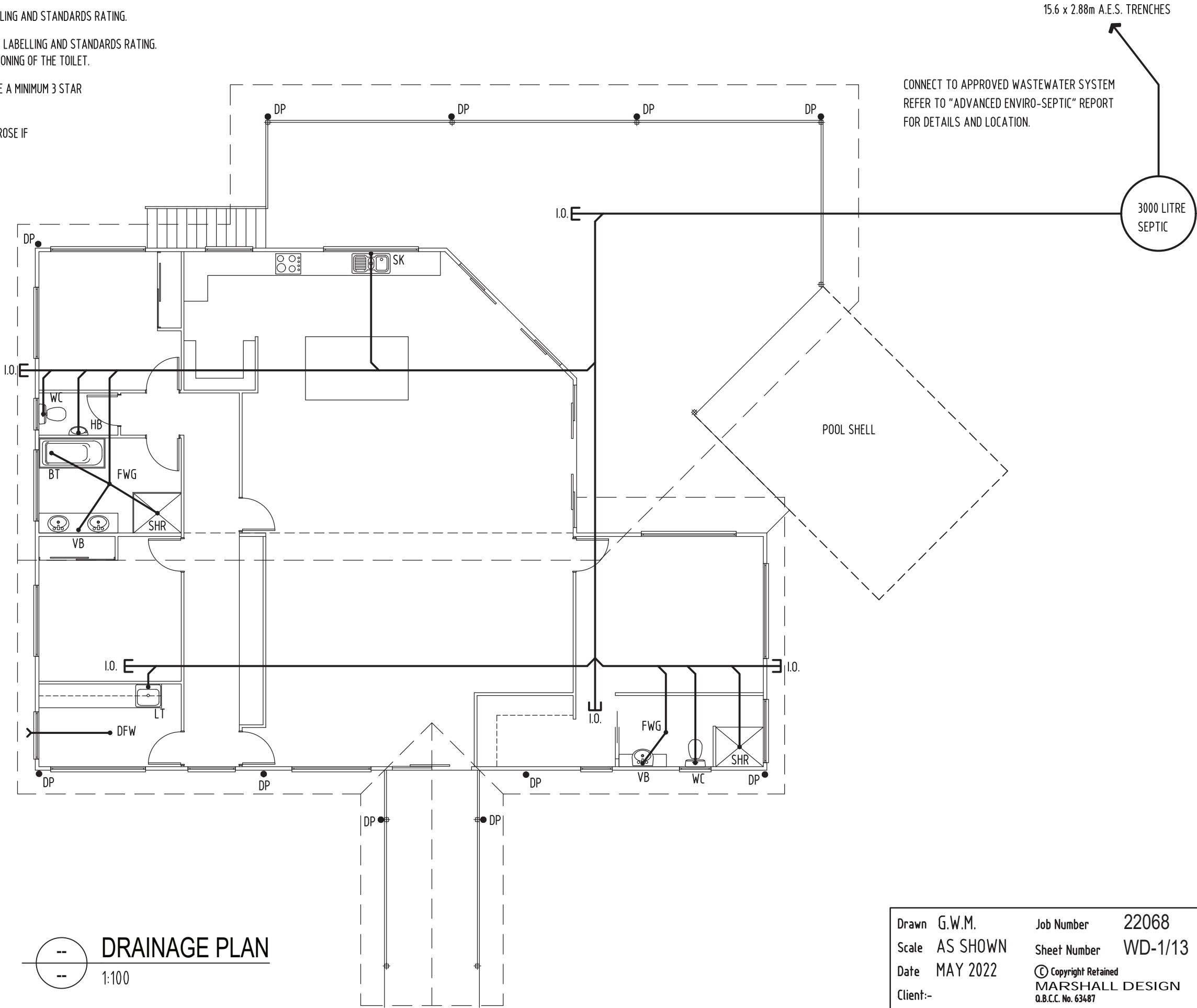
DRAINAGE FIXTURES	SK	SINK
	LT	LAUNDRY TUB
	VB	VANITY BASIN
	HB	HAND BASIN
	SHR	SHOWER
	WC	WATER CLOSET
	FWG	FLOOR WASTE GULLY
	DFW	DRY FLOOR WASTE FITTED WITH FROG FLAP
	VPR	VENT PIPE RISER
	ORG	OVERFLOW RELIEF GULLY
	I.O.	INSPECTION OPENING
	DP	STORMWATER DOWNPIPE
	WSA	WATER-STOP ANGLE

DRAINAGE LAYOUT SHOWN IS
DIAGRAMMATIC ONLY & WILL BE
CONFIRMED ON SITE BY PLUMBER.

SPECIAL NOTE

ALL WORK CARRIED OUT BY LICENSED
PLUMBER ARE TO BE TO RELEVANT CODES,
STANDARDS AND BY-LAWS THAT HAVE
BEEN AMENDED AS OF JUNE 1998. PLUMBER
IS TO ENSURE THAT ALL WORKS ARE
COMPLIANT WITH THESE CHANGES AND
CONFIRMED BEFORE COMMENCEMENT WITH
LOCAL AUTHORITY PLUMBING INSPECTOR.

A WATERPROOFING MEMBRANE AND WATER-STOP ANGLE AT
DOORS ARE TO BE INSTALLED IN WET AREAS IN ACCORDANCE
WITH B.C.A. TABLE F1.7 AND COMPLY WITH A.S. 3740.



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☒ SMOKE ALARM

DENOTES IONIZATION or
PHOTO-ELECTIC ALARMS
240V/9V BATTERY BACK-UP
INTERCONNECTED
NOTE

LOCATIONS OF ALARMS ARE INDICATIVE
ONLY & ARE TO COMPLY WITH RELEVANT
BCA PART 3.7.2

In accordance with the Building Regulations 2021 Part 4, smoke alarms
must not be installed in the following locations:

- a) A joist or beam with a depth of more than 300mm when measured from the ceiling to the underside of the exposed joist or beam.
- b) Within 300mm of a light fitting.
- c) If the smoke alarm is installed on a ceiling--within 300mm of a corner of the ceiling and a wall.
- d) If the smoke alarm is installed in a stairwell-- where smoke rising in the stairwell will not reach the smoke alarm because of an obstruction.
- e) Within 400mm of an opening from which air is supplied from an air conditioner or forced air ventilation.
- f) Within 400mm of the blades of a ceiling fan.

For smoke alarms located on walls, smoke alarms must be located in an area that is between 100mm and 300mm from the ceiling and more than 300mm from the corner of 2 walls; and for smoke alarms installed on sloping ceilings, the smoke alarm must be in an area of the ceiling that is between 500mm and 1,500mm from the apex of the ceiling.

NOTES



















ALL POWER OUTLETS OTHER THAN THE FOLLOWING
TO BE AT 300 ABOVE FL (UNO):

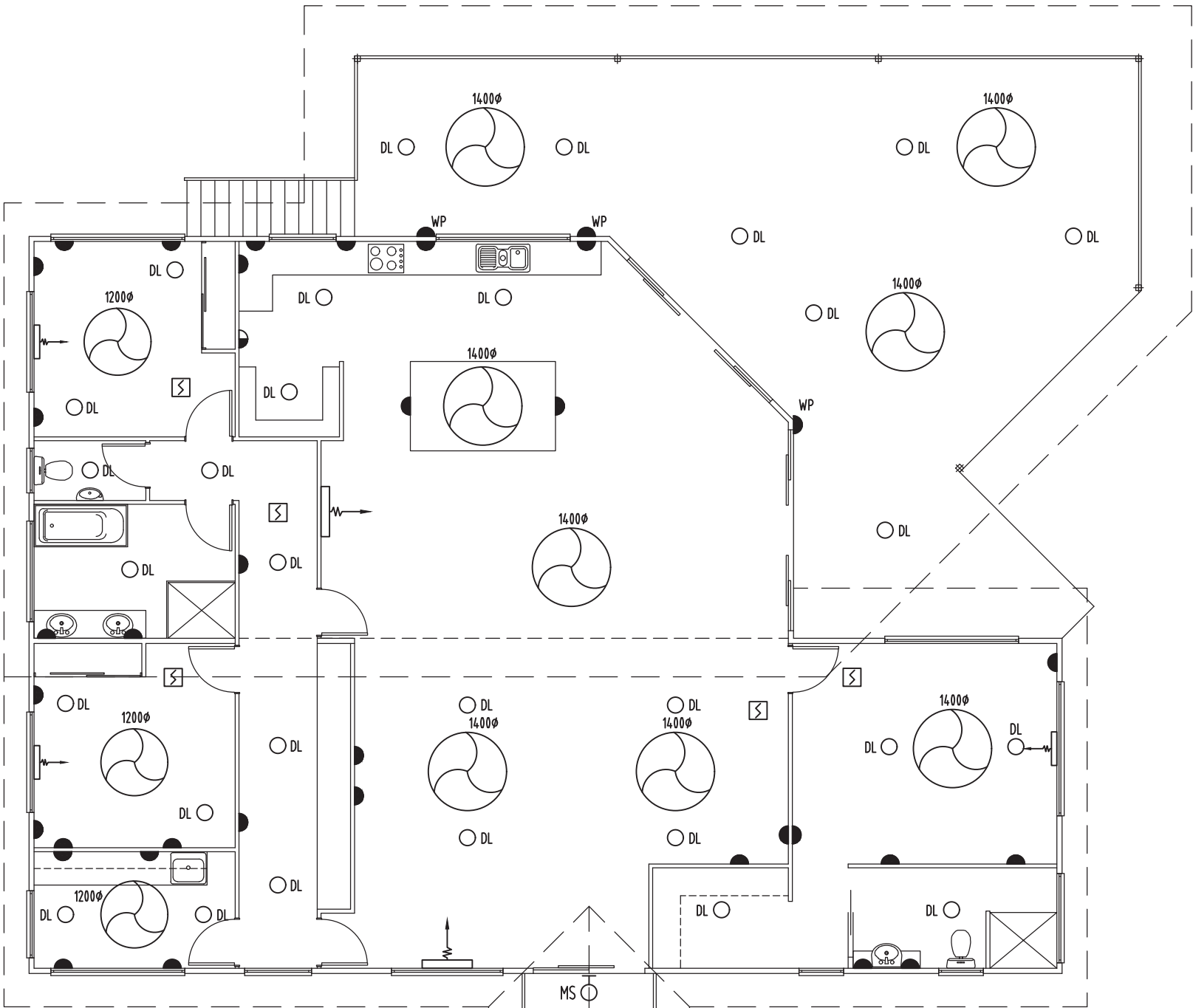
KITCHEN BENCH	1000	DISHWASHER (DW)	600
RANGEHOOD (RH)	1800	WASHING MACHINE (WM)	1500
MICROWAVE (MW)	1800	LAUNDRY BENCH	1000
REFRIGERATOR (REF)	1500	VANITIES	1000

- LIGHT SWITCHES AT 1150 ABOVE FL
- WALL MOUNTED LIGHTS AT 2000 ABOVE FL UNO
- GARBAGE DISPOSAL TO HAVE ISOLATOR AT BENCH LEVEL ENGRAVED "WASTE"
- HOTPLATES & OVEN TO HAVE A SINGLE PHASE PERMANENT CONNECTION AND AN ISOLATOR WITH NEON ABOVE THE BENCH

- HARD-WIRED AIRCONDITIONERS HAVE AN ENERGY EFFICIENCY RATING OF AT LEAST 2.9
- 80% OF THE TOTAL FIXED INTERNAL LIGHTING IS TO BE FITTED WITH ENERGY EFFICIENT GLOBES.
- A CERTIFICATE WILL BE PROVIDED BY THE ELECTRICIAN TO CERTIFY THAT THE ABOVE ITEMS HAVE BEEN COMPLIED WITH

ELECTRICAL LEGEND

 METER BOX	 FLUORESCENT	 SINGLE 10 AMP SOCKET OUTLET
 INTERNAL SUB-BOARD	 ROUND FLUORESCENT	 DOUBLE 10 AMP SOCKET OUTLET
 LED DOWNLIGHT - IC RATED	 CEILING FAN	 WP (EXTERNAL WATERPROOF)
 WALL LIGHT	 EXHAUST FAN	 AIR CONDITIONING HEAD UNIT
 FLOOD LIGHT	 TELEVISION OUTLET	 AIR CONDITIONING CONDENSER UNIT
 MOTION SENSOR	 TELEPHONE POINT	
	 USB (MAX AMP)/POWER POINT	



 ELECTRICAL PLAN
1:100

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