ESD NOTES

WATER CONSERVATION

SELECTED WATER DEVICES TO ALL NEW WORKS AREAS WITH THE FOLLOWING STAR RATINGS

ITEM	*RATING*
BATHROOM BASIN TAPS	3 STAR
BATHROOM BATH TAPS	3 STAR
SHOWER ROSE & MIXER	3 STAR
WC FLUSH SYSTEM	4 STAR
LAUNDRY TAPS	3 STAR

THE SELECTED RATING SYSTEM IS CONTAINED IN THE MANUAL OF ASSESSMENT PROCEDURE OF WATER EFFICIENT APPLICATIONS SAA MP64-1995S ALL DWELLING ROOF AREAS ARE TO BE DRAINED INTO A 3000 LITRES RAIN WATER TANK TO BE PROVIDED AS SPECIFIED ON THESE DRAWINGS AND CONNECTED TO ALL GARDEN & TOILET. INSTALLATION AND LABELLING OF PIPES TO BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT SAA CODES.

ENERGY CONSERVATION

THE BUILDING IS TO BE CONSTRUCTED AND FITTED WITH ALL THERMAL PERFORMANCE SPECIFICATION REQUIREMENTS LISTED IN THE BASIX CERTIFICATE, AND IS TO INCLUDE THE FOLLOWING AT MINIMUM:

ITEM	*REQUIRMENT*
EXTERNAL WALLS	BRICK VENEER WALLS
INTERNAL WALLS	TIMBER WALLS
FLOOR TYPE	GROUND FLOOR - R/C SLAB
FLOOR TYPE	FORST FLOOR - TIMBER FLOOR
WINDOW & SLIDING DOOR GLASS TYPE	ALUM FRAME WITH 6.82mm LAMINATED GLAZING.
ROOF TYPE	PITCH T/C TILES
ROOF INSULATION	FOIL SISALATION
CEILING INSULATION	TO BASIX CERTIFICATE
WALL INSULATION	TO BASIX CERTIFICATE
EXTERNAL WALL COLOUR	DARK COLOUR
ROOF CLADDING COLOUR	DARK COLOUR
WEATHER STRIPPING	TO ALL DOORS AND WINDOWS
ROOF VENTILATION	STANDARD
HOTWATER UNIT	INSTANT GAS.
AIR CONDITIONING FOR HEATING AND COOLING OF BEDROOMS AND LIVING ROOMS	SINGLE PHASE WITH < 3.0 EER & DAY/NIGHT ZONING BETWEEN BEDROOM AND LIVING AREAS
BATHROOM & LAUNDRY EXHAUST	INDIVIDUAL FAN DUCTED TO FACADE OR ROOF WITH MANUAL SWITCH ON/ OFF
LIGHTING: ALL FITTINGS CAPABLE OF ACCEPTING FLUORESCENT LAMPS TO:	AT LEAST 6 BEDROOMS LIVING,LOUNGE,DINING & KITCHEN.

ALL NEW SELECTED WHITE GOODS AND OTHER PRIME COST ELECTRICAL APPLIANCES ARE TO BE OF AT LEAST A 3.5 STAR ENERGY RATING. THIS SHALL INCLUDE AT MINIMUM: REFRIDGERATOR, DISHWASHER, WASHING MACHINE. DRYER TO BE AT LEAST 2.5 STAR RATED. PROVIDE ADEQUATE VENTILATION SPACE BEHIND REFRIDGERATOR TO MANUFACTURERS REQUIREMENTS.

ALL GAS APPLIANCES ARE TO BE OF AT LEAST A 3.5 STAR ENERGY RATING. THIS SHALL INCLUDE AT MINIMUM: KITCHEN COOK TOP AND OVEN; AND A 3 STAR INSTANTAOUS GAS HOT WATER SYSTEM FOR DOMESTIC HOT WATER SUPPLY.

PROVIDE EXTERNAL CLOTHES DRYING AREA AS INDICATED ON PLAN, AND RETRACTIBLE INTERNAL DRYING LINE IN LAUNDRY.

BASIX CERTIFICATE

THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE BASIX CERTIFICATE AND SPECIFICATION AND REQUIREMENTS

SMOKE ALARM

Ⓢ DENOTES

CEILING MOUNTED SMOKE ALARM CONNECTED TO MAINS POWER SUPPLY WITH BATTERY BACK. AS PER: CI E2.2 BCA; Spec E2.2a BCA; AS 1603; AS1670:AS3786 &AS1851.8

STORMWATER

ALL STORMWATER DRAINAGE TO BE IN ACCORDANCE WITH AS 3500 & COUNCIL'S REQUIRMENTS. DOWN PIPE & S/W PIPE LOCATIONS AND DOWNPIPES ARE INDICATIVE ONLY - TO BE DETERMINED BY PLUMBER.

ALL STORMWATER TO BE DISCHARGED TO THE STREET GUTTER USING NEW AND EXISTING UNDERGROUND PIPING. ALL NEW PIPING TO BE STORMWATER GRADE UPVC TO ALL RELEVANT AND CURRENT SAA CODE REQUIREMENTS.

ALL WATER RUN-OFF FROM PAVING TO BE DIRECTED TO GRASS AREAS AND GARDEN BEDS.

REFER TO STORMWATER DRAINAGE CONCEPT PLAN FOR FURTHER DETAILS.

TERMITE PROTECTION

PROVIDE TERMITE PROTECTION IN ACCORDANCE WITH AS 3660.1 - 2000. PROVISIONS IN THIS DESIGN INCLUDE:
- PESTICIDE RETICULATION SYSTEM BELOW THE GROUND SLAB WITH FREQUENT CHEMICAL INJECTION SERVICE TO MANUFACTURER'S MAINTENANCE RECOMMENDATIONS.
- WOVEN METAL MESH FABRIC LAID ACROSS 270MM BRICK WALL CAVITIES BELOW THE FLOOR STRUCTURE LEVEL.

REFER TO SECTIONS FOR FURTHER DETAILS

SLIP RESISTANCE

ALL FLOOR SURFACES TO HAVE A SLIP-RESISTANT FINISHIN ACCORDANCE WITH ALL RELEVANT AND CURRENT SAA CODES

WET AREA WATERPROOFING

WALLS AND FLOORS TO NEW WET AREAS (BATHROOM & LAUNDRY) TO BE WATERPROOFED IN ACCORDANCE WITH ALL RELEVANT AND CURRENT SAA CODES.

MECHANICAL VENTILATION

Provide Mechanical Ventilation to all sanitary compartments, laundries, bathrooms , En- suites and kitchens in accordance with Cl.3.8.5.2(c) of the NCC Vol 2 BCA 2019.
(c) An exhaust fan or other means of mechanical ventilation may be used to ventilate a sanitary compartment, laundry, kitchen or bathroom, or where mechanical ventilation is provided in accordance with 3.8.5.3(b), provided contaminated air exhausts comply with 3.8.7.3.

PROTECTION OF OPENABLE WINDOWS

3.9.2.3 Construction of barriers to prevent falls

A barrier required by 3.9.2.2 must comply with the following:

(a) **Barrier height:** The height of a barrier must be in accordance with the following:
- (i) The height must not be less than 865 mm above the nosings of the stair treads, the floor of a ramp or the like (see Figure 3.9.2.3).
- (ii) The height must not be less than—
  - (A) 1 m above the floor of any landing, corridor, hallway, balcony, deck, verandah, access path, mezzanine, or the like, if the high, roof top space or the like to which general access is provided (see Figure 3.9.2.3 and Figure 3.9.2.5); or
  - (B) 865 mm above the floor of a landing to a stairway or ramp where the barrier is provided along the inside edge of the landing and does not exceed a length of 600 mm.

(b) **Transition zone:** A transition zone may be incorporated where the barrier height changes from 865 mm on the stairway flight or ramp to 1 m at the landing (see Figure 3.9.2.4).

(c) **Openings in barriers:** Openings in barriers (including decorative balustrades) must be constructed so that they do not allow a 125 mm sphere to pass through it and for stairways, the opening is measured above the nosing line of the stair treads (see Figure 3.9.2.3).

(d) **Barriers to certain non-habitable rooms:** A barrier to a stairway serving a non-habitable room, such as an attic, storeroom or the like that is not used on a regular or daily basis, need not comply with (c) if—
- (i) openings are constructed so that they do not permit a 300 mm sphere to pass through; or
- (ii) where rails are used, the barrier consists of a top rail and an intermediate rail, with the openings between rails not more than 460 mm.

(e) **Restriction on horizontal elements:**
- (i) Where it is possible to fall more than 4 m, any horizontal elements within the barrier between 150 mm and 760 mm above the floor must not facilitate climbing.
- (ii) For the purpose of (i), the 4 m is measured from the floor level of the trafficable surface to the surface beneath.

Explanatory Information:
For a window forming part of a barrier, any horizontal elements such as a window sill, transom or rail between 150 mm and 760 mm above the floor must not facilitate climbing.

(f) **Wire barriers:** A barrier constructed of wire is deemed to meet the requirements of (a) if it is constructed in accordance with 3.9.2.5.

(g) **Glass barriers and a window forming part of a barrier:** A glass barrier or window serving as a barrier must comply with Part 3.6 and the relevant provisions of this Part.

Explanatory information:
Part 3.6 contains the glazing assembly provisions for glass barriers and windows forming part of the barrier, however, the barrier would still need to comply with the relevant requirements of this Part for required height, allowable openings, etc.

(h) **Barrier loading forces:** A barrier, except a window serving as a barrier, must be designed to take loading forces in accordance with AS/NZS 1170.1.

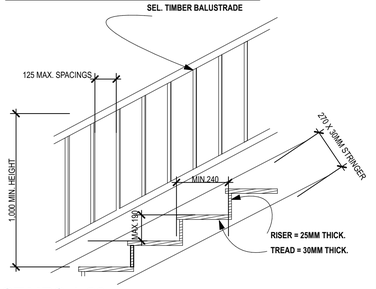
Figure 3.9.2.4 Measuring heights for barriers and handrails and where transition zones are allowed

3.9.2.4 Handrails

(a) Handrails to a stairway or ramp must—
- (i) be located along at least one side of the stairway, flight or ramp; and
- (ii) be located along the full length of the stairway, flight or ramp, except in the case where a handrail is associated with a barrier the handrail may terminate where the barrier terminates; and
- (iii) have the top surface of the handrail not less than 865 mm vertically above the nosings of the stair treads or the floor surface of the ramp (see Figure 3.9.2.4); and
- (iv) be continuous and have no obstruction on or above them that will tend to break a handhold, except for newel posts, ball type stanchions, or the like.

(b) The requirements of (a) do not apply to—
- (i) a stairway or ramp providing a change in elevation of less than 1 m; or

BALUSTRADE INSTALLATION



STAIRS 1:20

PARTITION WALLS:FIRE & ACOUSTIC DETAIL
FIRE SEPARATION:
THE 270mm BRICK CAVITY PARTY WALL TO BE TAKEN UP ALL THE WAY TO THE U/S OF THE ROOFING TILES & SEALED WITH A SMOKE PROOF SEALANT AS PER BCA 2019 (NCC 2019) VOL.2-CL.3.7.3.2. (FIGURE 3.7.3.2 a&b).
NO PENETRATIONS THROUGH THE PARTY WALL OF ROOF TIMBER MEMBERS ARE ALLOWED.
PROVIDE SOILID BRICKS WITH FRL60/60/60.
SOUND SEPARATION:
2 LEAVES OF 110mm BRICK SKINS & 50mm CAVITY.
50mm THICK GLASS WOOL INSULATION WITH A DENSITY OF 11KG/M3 OR 50mm POLYESTER INSULATION
WITH A DENSITY OF 20Kg/m3 IN THE CAVITY.

PARTITION WALL NOTES:

ROOF FRAMING SIZES OF STRUCTURAL MEMBERS: PITCHED ROOF.

Members	Spacing	Stress grade F5	Stress grade F7
Rafters	Tile roof @ 450 c/c Colorbond roof@600c/c. @ 600 c/c	100 x 50	100 x 38
~	Corr.Metal. @900c/c	100 x 50	100 x 38
~	Rafters @ 450c/c	38 x 25	38 x 25
~	Rafters @ 600c/c	38 x 38	50 x 25 Or 38x 38
Battens- A/c	Rafters @ 750c/c	75 x 38	75 x 31
Battens- Metal	Rafters @ 900c/c	75 x 38	75 x 31
Ridges/Hips All roofs		150 x 25	150 x 25
Valleys All roofs.		150 x 38	150 x 38
Purlins-Tiles	Max 2.1m c/c	100 x 75	100 x 75
~ 4.6m roof.	Max. 2.1m c/c	100 x 50	100 x 50
Struts-2.1m long	Max 2.1c/c	75 x 75	75 x 50
Ceiling Ties up to 4.2m	@ alternative rafters	100 x 50	75 x 50
~ over 4.2m	@ alternative rafters	125 x 50	100 x 50
Strutting Beams	Up to 3.0m span	200 x 75	175 x 75
	3.025 to 3.60	225 x 75	200 x 75
	3.625 to 4.20	250 x 75	225 x 75
	4.225 to 4.80	275 x 75	250 x 75
Gutter&valley Boards		150mm thick	150mm thick
Ceiling Joists	@ 450c/c	100 x 50	100 x 38
Spiked to rafters	Where practicable &	Secure to hangers by	hooks,dogs ,straps
Hangers @ 2.1c/c	Up to 3.0m span	200 x 38	175 x 38
~	3.025 to 3.60m	225 x 38	200 x 38
~	3.625 to 4.20m	250 x 38	225 x 38
~	4.225 x 4.80m	275 x 38	250 x 38
Where the length of	Hanger exceeds 4.80	It will be supported	by a beam
Wind Bracing	Gable roofs	75 x 25	75 x 25
Scissor Rafters	Up to 6.0m span	250 x 50	250 x 50

SIZES OF FLOOR FRAMING STRUCTURAL TIMBER MEMEBRS:

Member	Spacing/Span	Stress Grade F5	Stress Grade F7
Bearers	1800c/c	125 x 75	100 x 75
Floor Joists	450 c/c up to 1800	125 x 50	100 x50
~	~ .1825 - 2.400	150 x 50	125 x 50
~	~ 2.45 - 3.00	175 x 50	150 x 50
~	~ 3.025 - 3.60	200 x 50	175 x 50
~	~ 3.625 - 4.20	250 x 50	225 x 50
~	~ 4.225 x 4.80	275 x 50	250 x 50
~	~ 4.825 x 5.40	300 x 50	275 x 50
~	~ 5.425 - 6.00	300 x 75	300 x 63

Unsupported spans exceeding 2.70m to have 38 x 38 herringbone strutting @ 1.80m/c/c.
No span to be greater than 6.0m.

SIZES OF WALL FRAMING STRUCTURAL TIMBER MEMBERS:

Member	Spacing/Span	Stress Grade F5	Stress Grade F7
Plates	For 190 x 45 studs@450cc Trenched. Unmotched	100 x 50	100 x 50 100 x 38
~	For 100mm studs @ 600c/c Trenched Unmotched	100 x 75 100 x 50	100 x 50 100 x 50
~	For 75mm studs @ 450 or 600 c/c. Trenched Unmotched	75 x 50 75 x 50	75 x 50 75 x 50
Studs	Max. Spacing 600mm Or	100 x 50 75 x50	100 x 38 75 x 50
~	Each side of openings up to 1800mm wide.	100 x 50	100 x 50

SIZES OF HEADS:

Span	For tiled roof F 7	For metal roof F 2
1200	75 x 50 Or 100 x 38	75 x 50
1500	125 x 50 100 x 100	100 x 38
1800	175 x 50 150 x 75	125 x 50 Or 100 x 100
2100	200 x 50 175 x 50	150 x 50 125 x 100
2400	225 x 50 200 x 75	175 x 50 150 x 75
2700	250 x 50 225 x 75	200 x 50 175 x 75
3000	250 x 75 300 x 50	225 x 50 200 x 75

Noggings @ 1200 c/c.....F5.....100 x 50 Or 75 x 50

STRUCTURAL ROOF WALLS & FLOORVTIMBER MEMBERS SIZES.

PROPOSED LANDSCAPED AREA CALCULATIONS UNIT- A

A 8.28 m²

LAND AREA = 406.50m2

PERVIOUS AREA CALCULATIONS

LOCATION	AREA
A=5.70 m2	
B=19.17 m2	
C=167.45 m2	
TOTAL	192.32 m2 47.31% OF SITE AREA

Minimum45% of 52.25m2 front of bldg area =23.5m2

Actual provided at the front = 24.87m2= 47.59%

PROPOSED LANDSCAPED AREA CALCULATIONS UNIT- B

A 8.28 m²

LAND AREA = 406.50m2

PERVIOUS AREA CALCULATIONS

LOCATION	AREA
A=3.18 m2	
B=20.46 m2	
C=167.45 m2	
TOTAL	191.09 m2 47.00% OF SITE AREA

Minimum45% of 52.25m2 front of bldg area =23.5m2

Actual provided at the front = 23.64m2= 45.24%

CALCULATIONS

	Control	Requirement	Proposal
No.1	Site Area	- Minimum site area = attached = 500 m2 - Minimum site width = 15 metres.	- Actual site area = 813.00m2 - Actual site width = 15.09metres.
No.2	Subdivision	- Minimum lot size = 250.00m2 - Minimum width = 7.50m	Min. lot sizeDwelling A = 406.50m2 Actual width Dwelling A= 7.545m Min. lot sizeDwelling B = 406.50m2 Actual width Dwelling B =7.545 m
No.3	FSR	0.5:1 = 406.50m2	Actual total = 0.46:1 = 377.40m2
	UNIT A	0.5:1 = 203.25 m2	Actual = UNIT A Ground floor = 88.39m.2 First floor = 98.70m.2 Total = 0.46:1 = 187.09 m.2
	UNIT B	0.5:1 = 203.25 m2	Actual = UNIT B Ground floor = 88.39m.2 First floor = 98.70m.2 Total = 0.46:1 = 187.09 m.2 **Actual total = 0.46:1 = 377.40m2**
No.4.	Building Height -Roof height. Wall height.	9.0 metres 7.0 metres	8,955 metres max. 6,981 metres max.
No.5	Setbacks Front	Ground floor = 5.5m First floor = 6.5m	UNIT A = 6.50m Ground floor = 6.50m First floor UNIT B = 6.50m Ground floor = 6.50m First floor
	Side	- Both storeys = .90 m up to 7.0 wall height - Distance between eaves/gutters and lot boundary 0.450metres	UNIT A = 1.500metres min.both floors = .900m rear patio single storey UNIT B = 1.500metres min.both floors = .900m rear patio single storey Eaves throughout .450m
	Rear		UNIT A= Ground = 22.818m First = 26.797m UNIT B= Ground = 22.818m First= 26.797m
No.6	Open Space	80m2 Private courtyard 5.0m min. width	UNIT A = 167.45m2 = Dimensions =7.545m min. UNIT B = 167.45m2 = Dimensions =7.545m min.
No.7	Maximum roof pitch	Maximum roof pitch = 35 Deg.	Actual Maximum roof pitch = 18 Deg.
No.8	Parking Rates	3 bedroom or more: 2 spaces per dwelling	Actual parking = 1 internal spaces per unit. + 1 external open @ front of drive.
No.9	Landscaping	Minimum 45% of front of bldg area	Actual UNIT A= 47.59% of front of bldg. UNIT B= 45.24% of front of bldg.

UNIT A:

WINDOW REF No.	WINDOW TYPE (REFER DRAWINGS)	X (HORIZ). DIMENSION STRUCTURAL OPENING CHECK ON SITE	Y (VERTICAL). DIMENSION STRUCTURAL OPENING CHECK ON SITE	SILL HEIGHT. FROM FFL
WINDOW SCHEDULE -GROUND FLOOR				
W 01	ALUMINIUM FRAME AWNING WINDOWS	700mm	2400mm	0
W 02, W 03, W 04, W 05, W 06, W 07	ALUMINIUM FRAME SLIDING WINDOWS	1500mm	1500mm 900mm	
W 08	ALUMINIUM FRAME SLIDING DOOR	4000mm	2400mm	0
W 09	ALUM. FRAME HIGH SLIDING WINDOW	600mm	600mm	1800mm
WINDOW SCHEDULE -FIRST FLOOR				
W 10	ALUMINIUM FRAME SLIDING WINDOW	1800mm	1200mm	1200mm
W 11	ALUMINIUM FRAME SLIDING DOOR	2700mm	2400mm	0
W 12, W 13, W 14, W 15, W 16, W 17, W 18		1500mm	1500mm 900mm	

SK 01 ALUMINIUM FRAME SKYDOME SKYLIGHT 900mm DIAM.

UNIT B:

WINDOW REF No.	WINDOW TYPE (REFER DRAWINGS)	X (HORIZ). DIMENSION STRUCTURAL OPENING CHECK ON SITE	Y (VERTICAL). DIMENSION STRUCTURAL OPENING CHECK ON SITE	SILL HEIGHT. FROM FFL
WINDOW SCHEDULE -GROUND FLOOR				
W 01A, W 01B	ALUMINIUM FRAME AWNING WINDOWS	700mm	2400mm	0
W 02, W 03, W 04, W 05, W 06, W 07	ALUMINIUM FRAME SLIDING WINDOWS	1500mm	1500mm 900mm	
W 08	ALUMINIUM FRAME SLIDING DOOR	4000mm	2400mm	0
W 09	ALUM. FRAME HIGH SLIDING WINDOW	600mm	600mm	1800mm
WINDOW SCHEDULE -FIRST FLOOR				
W 10A, W 10B	ALUMINIUM FRAME AWNING WINDOWS	700mm	2800mm	0
W 11	ALUMINIUM FRAME SLIDING DOOR	2700mm	2400mm	0
W 12, W 13, W 14, W 15, W 16, W 17, W 18	ALUMINIUM FRAME SLIDING WINDOWS	1500mm	1500mm 900mm	

SK 01 ALUMINIUM FRAME SKYDOME SKYLIGHT 900mm DIAM.

SK 02, SK 03 ALUMINIUM FRAME SKYLIGHTS 2X1,200X2,800

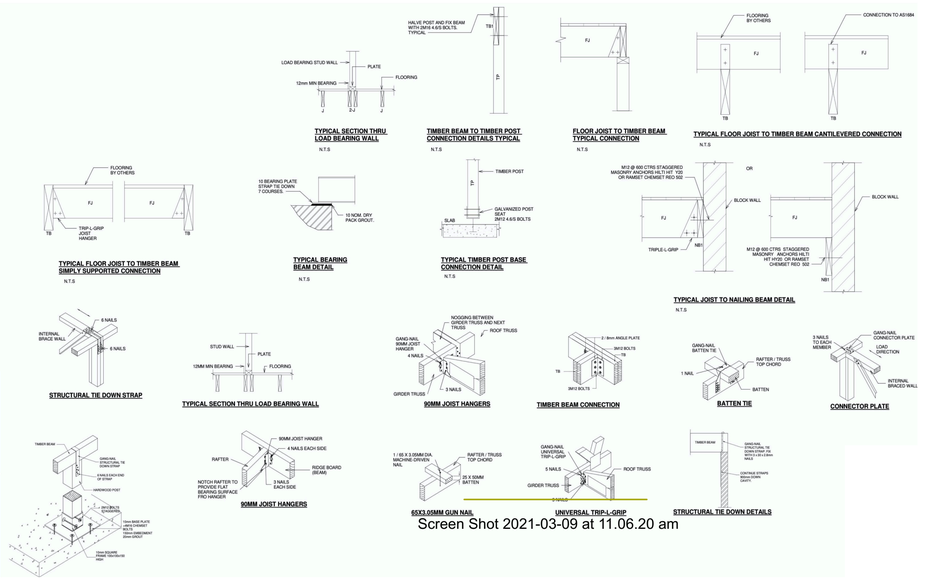
UNIT A.

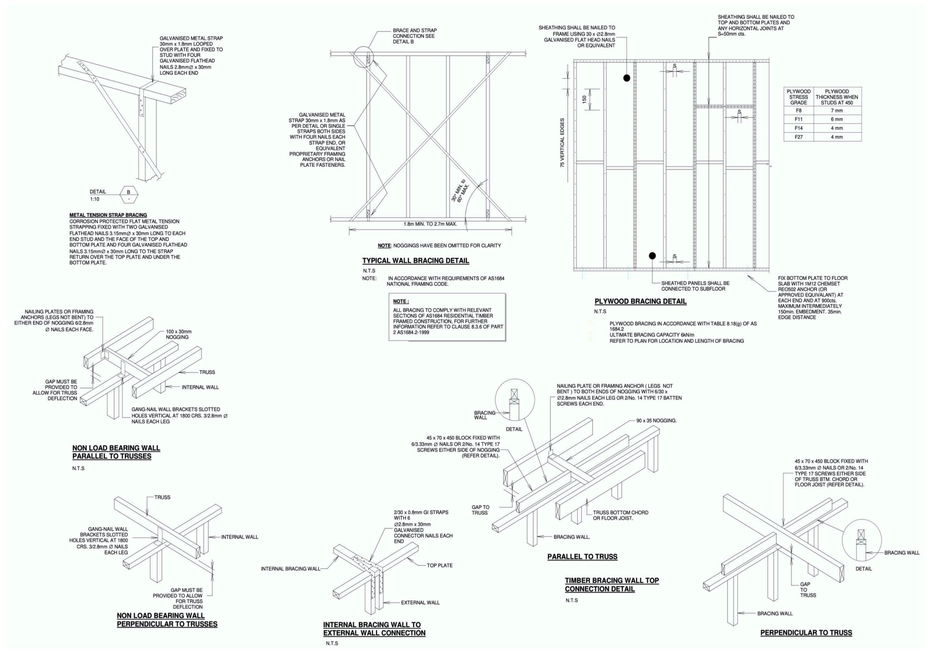
DOOR REF No.	DOOR TYPE (REFER DRAWINGS)	X (HORIZ). DIMENSION STRUCTURAL OPENING CHECK ON SITE	Y (VERTICAL). DIMENSION STRUCTURAL OPENING CHECK ON SITE
DOOR SCHEDULE -GROUND FLOOR			
D 01	SOLID CORE W/P DOOR	1000 mm	2100mm
D 02	AUTOMATIC ROLLER -DOOR	2700 mm	2400mm
D 03, D 04, D 05, D 06, D 07, D 08	HOLLOW CORE SWING DOORS	900 mm	2100mm
D 09	SOLID CORE SL. DOOR	900 mm	2100mm
DOOR SCHEDULE -FIRST FLOOR			
D 10, D 11, D 13, D 14, D 15, D 16, D 17	HOLLOW CORE SWING DOORS	900 mm	2100mm
D 12	SQUARE OPENING	900 mm	2100mm

UNIT B.

DOOR REF No.	DOOR TYPE (REFER DRAWINGS)	X (HORIZ). DIMENSION STRUCTURAL OPENING CHECK ON SITE	Y (VERTICAL). DIMENSION STRUCTURAL OPENING CHECK ON SITE
DOOR SCHEDULE -GROUND FLOOR			
D 01	SOLID CORE W/P DOOR	1000 mm	2100mm
D 02	AUTOMATIC ROLLER -DOOR	2700 mm	2400mm
D 03, D 04, D 05, D 06, D 07, D 08	HOLLOW CORE SWING DOORS	900 mm	2100mm
D 09	SOLID CORE SL. DOOR	900 mm	2100mm
DOOR SCHEDULE -FIRST FLOOR			
D 10, D 11, D 13, D 14, D 15, D 16, D 17	HOLLOW CORE SWING DOORS	900 mm	2100mm
D 12	SQUARE OPENING	900 mm	2100mm

STRUCTURAL TIMBER DETAILS (NTS)





Screen Shot 2021-03-09 at 11.06.20 am

NOTES :
DO NOT SCALE OFF DRAWINGS. USE FIGURED DIMENSIONS ONLY. CHECK ALL DIMENSIONS ON SITE BEFORE THE COMMENCEMENT OF WORK. REPORT ANY DISCREPANCIES.
C.O.S DENOTES ITEM TO BE CHECKED ON SITE.

ALL LEVELS ARE TO **AHD** AND HAVE BEEN DETERMINED FROM OSSUM SURVEYING SERVICES P/L -

AVAILABLE DETAILED SITE SURVEY INFORMATION BY THESE DESIGNS, PLANS AND SPECIFICATIONS AND THE

rev	notes	date
A	DA SUBMISSION	29.04.22

client
Mr M NGUYEN
38 CLARENCE STREET, CONDELL PARK NSW

NEW TWO STOREY ATTACHED
DUAL OCCUPANCY & S/DIVISION
project
38
CLARENCE STREET,
CONDELL PARK
address

Ergo Designs P/L
building designers and consultants
334A homer st earlwood nsw 2206 ph: 9558 1233
e-mail: ergo-des@bigpond.net.au

bdaa ACCREDITED BUILDING DESIGNER
Accreditation No.6667

Tr N

NOTES & SPECIFICATIONS
drawing

322-104	A03	A
project	drawing no.	issue

29/4/22