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Specification

Section AA & Part J Specification

P 02 6332 5885 M 0424 156 450 E BRETT@BMDD.COM.AU 12 MAXWELL DRIVE. EGLINTON NSW 2795

## Section J BCA requirements - 9-21 Cunynghame Street, Oberon NSW

(to be read in conjunction with Section J report)

- Roof (light colour with SA<0.45): reflective sarking / anticon blanket
- External walls: R2.5 bulk insulation and vapour permeable sarking
- Ground floor slab: Nil
  Thermal breaks required for steel framed construction: R0.2

- External windows

   All external façades: U = 5.8 & SHGC = 0.60
- Glazing to comply with AS2047

 Draught sealing
 External doors to have foam seal around perimeter, draught stopper along bottom edge and self-closer.

- Air conditioning
  To comply with Part J6 as applicable
  Package AC units to comply with MEPS
  Single conditioned zone OR when serving more than 1 zone, thermostatically control the temperature of each zone in accordance with J6D3.
- All AC units with a heating or cooling capacity of more than 2kWr to have a time switch controller (refer to spec 40 of BCA for details).

  Ductwork (if installed) to be insulated to R1.0.

### Internal lighting & power control

- Multi-purpose area maximum illumination power density of 8 W/m2
- Multi-purpose area maximum illumination power density of 1.5 W/m2
  Storage area maximum illumination power density of 1.5 W/m2
  95% of lighting to be controlled by a time switch or occupant sensing device.
- Maximum of 250 sq.m of lighting controlled per light switch.

All new external lighting to be controlled by either a daylight sensor or time switch and where total perimeter lighting exceeds 100W have a minimum of 90% of light fittings to be LEDS or be

Façade lighting or illuminated signs to be controlled by a time switch or daylight sensor.



Section J summary table



**Alterations to Commercial Premises** 

Oberon Indoor Fitness Centre 9-21 Cunynghame Street OBERON 2787



DACC 01

19/09/23

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**Cover Page** 

19/09/2023 Date: Project:BMD22239928

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Amendment

30/08/23 Date

P 02 6332 5885 M 0424 156 450 E BRETT@BMDD.COM.AU ING 12 MAXWELL DRIVE. EGLINTON NSW 2795

Legend Aluminium Basin **BDRY** Boundary BPB Bagged & Painted Brickwork Brick Veneer CL Ceiling Level CONC Concrete Concrete Paver CPT Carpet CRS Corrungated Roof Sheeting CS CT DH Cavity Sliding Door Ceramic Tile Double Hung Downpipe EMB **Electrical Meterboard ENS** Ensuite FΒ Face Brick FC FFL Fibre Cement Finished Floor Level **Fixed Glass** FW Floor Waste GM Gas Meter HC Hollow Core HWS Hot Water Service **LDRY** Laundry MH Manhole Pantry РΒ Plasterboard 0 Fixed Panel OG Obscure Glass REF Refrigerator RH Rangehood Above RL SC Reduced Level Solid Core SD Sliding Door SHR SS Shower Stainless Steel Sink SV Stone Veneer T TC Texture Coated Hebel TF Timber Floor Finish TYP Typical **UBO** Under Bench Oven VF Vinyl Floor Finish WB Weatherboards Water Closet W Water Meter WMWashing Machine Sliding panel

**Existing Building** 490 m<sup>2</sup> Existing Covered Area 370 m<sup>2</sup>

Note - Existing Covered Area proposed to be enclosed. Total Building Area remains the same

Site

NOTE: All site boundary dimensions to be verified on site prior to construction. Continuation of Lot 23 Drawings Based on Funding Application Extend existing conrete path to Draft Feb 2021 new exit doors. Confirm dimensions on site 41,670 4,800 Location of trees TBC Existing Fence -Existing Fence and Boundary Location TBC Area of proposed **Existing Oberon** additions highlighted Indoor Fitness Centre Existing playground TBC Lot 21 DP1220101 Existing boundary setbacks Fine mesh gutter guard to be to be maintained added to existing gutters Existing FFL 0.000 Connect existing roof drainage to new 22 000 Ltr plastic tank and reticulate into Gym grey water system. Height Level Indicator to be installed (water level indicator Existing Ambulance Access with a ball float). Final tank location to be Accessible ramp/stair. Existing Fence determined on site Detail to be confirmed **CUNYNGHAME STREET** -Existing Fence **Existing Oberon** -Existing Vehicle Crossover Swimming Pool -Location TBC Lot 22 DP1220101 No.1-31 Lot 23 DP 1220101

## Area Schedule

860 m<sup>2</sup> Total Building Area

TBC m<sup>2</sup>

# ACCREDITED BUILDING DESIGNER

Access to Lot 21/22/24

## **Alterations to Commercial Premises**

Oberon Indoor Fitness Centre 9-21 Cunynghame Street OBERON 2787



Site Plan

19/09/23

12/09/23

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30/08/23

Date

D

Notes:

1. Builder to confirm coordination of architectural and structural documentation prior to construction.

to commencement of any works.

2. All dimensions are to be verified on site by contractor prior

3. All discrepancies are to be referred to designer for action.

DACC 02 Issue: F Scale: 1:500 @ A3

19/09/2023 Date: Project:BMD22239928

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## Legend

Aluminium Basin **BDRY** Boundary

BPB Bagged & Painted Brickwork

Brick Veneer CL Ceiling Level CONC Concrete Concrete Paver

CPT Carpet

CRS Corrungated Roof Sheeting CS CT DH Cavity Sliding Door Ceramic Tile Double Hung Downpipe **EMB** Electrical Meterboard

**ENS** Ensuite FΒ Face Brick FC FFL Fibre Cement Finished Floor Level Fixed Glass FW Floor Waste GM

Gas Meter

HC Hollow Core HWS Hot Water Service LDRY Laundry MH Manhole Pantry PΒ Plasterboard 0 Fixed Panel OG Obscure Glass REF Refrigerator RH Rangehood Above

RL SC Reduced Level Solid Core SD Sliding Door SHR SS Shower

Stainless Steel Sink SV Stone Veneer

T TC Texture Coated Hebel TF Timber Floor Finish

TYP Typical UBO Under Bench Oven VF Vinyl Floor Finish WB Weatherboards Water Closet W Water Meter WMWashing Machine









Sliding panel

## Area Schedule

**Existing Building** 490 m<sup>2</sup> Existing Covered Area 370 m<sup>2</sup> Total Building Area  $860 \text{ m}^2$ 

Note - Existing Covered Area proposed to be enclosed. Total Building Area remains the same

Site

TBC m<sup>2</sup>





## **Alterations to Commercial Premises**

9-21 Cunynghame Street OBERON 2787

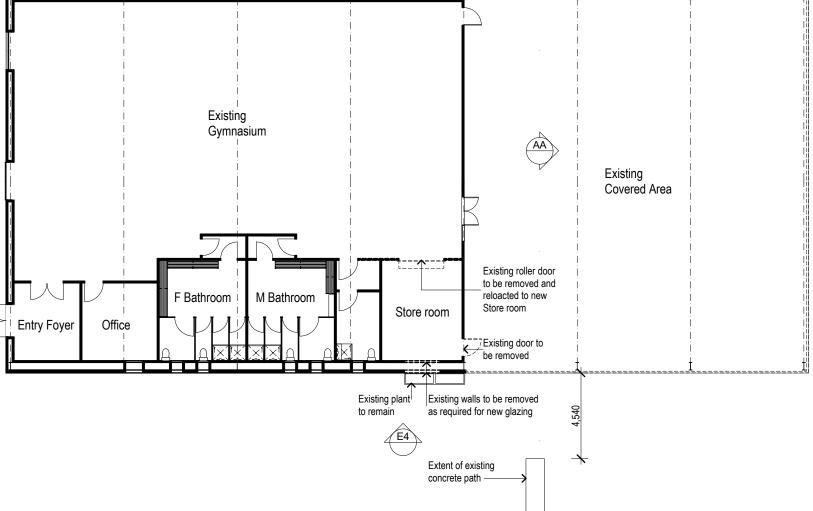


1. Builder to confirm coordination of architectural and structural documentation prior to construction.

2. All dimensions are to be verified on site by contractor prior to commencement of any works.

3. All discrepancies are to be referred to designer for action.







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04/09/23 30/08/23	B A	Issued for comment Issued for comment
Date	, (	Amendment



Oberon Indoor Fitness Centre



## Floor Plan - Existing

DACC 03

Issue: F 19/09/2023 Date: Scale: 1:200 @ A3

Project:BMD22239928

**BDRY** Boundary BPB Bagged & Painted Brickwork Brick Veneer CL Ceiling Level CONC Concrete Concrete Paver CPT Carpet CRS Corrungated Roof Sheeting CS CT DH Cavity Sliding Door Ceramic Tile Double Hung Downpipe EMB Electrical Meterboard **ENS** FΒ Face Brick 42.470 FC FFL Fibre Cement 42,000 Finished Floor Level **Fixed Glass** 6,000 6,000 6,000 6,000 6,000 6,000 FW Floor Waste GM Gas Meter HC Hollow Core HWS Hot Water Service LDRY Laundry MH Manhole Pantry PΒ Plasterboard 0 Fixed Panel OG Obscure Glass REF Refrigerator RH Rangehood Above RL SC Reduced Level Solid Core SD Sliding Door SHR SS Multi Purpose Shower Existing Stainless Steel Sink Space Gymnasium SV Stone Veneer T TC Texture Coated Hebel TF Timber Floor Finish TYP Typical UBO Under Bench Oven VF Vinyl Floor Finish WB Weatherboards Water Closet W Water Meter WMWashing Machine F Bathroom M Bathroom FFL 0.000 Sliding panel Consult Recessed Room Office **Entry Foyer** Entry/Exit Top Concrete landing Existing plant FFL -0.035 **Bottom Concrete** Kerb ramp in accordance with AS1428.1 -2009 (-0.190mm) Remove and replace concrete path Extent of existing as required to ensure compliant transition Notes:

1. Builder to confirm coordination of architectural and structural documentation prior to construction.

2. All dimensions are to be verified on site by contractor prior to commencement of any works.

3. All discrepancies are to be referred to designer for action.

6,000

Store room

1,500

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Floor Plan - Proposed

DACC 04

Issue: F Scale: 1:200 @ A3

19/09/2023 Date: Project:BMD22239928

490 m<sup>2</sup>

 $860 \text{ m}^2$ 

TBC m<sup>2</sup>

Note - Existing Covered Area proposed to be

enclosed. Total Building Area remains the same

Area Schedule **Existing Building** 

Site

Total Building Area

Existing Covered Area 370 m<sup>2</sup>

Legend

Aluminium

Basin

BRETT@BMDD.COM.AU

ACCREDITED BUILDING DESIGNER **Alterations to Commercial Premises** 

between existing and new

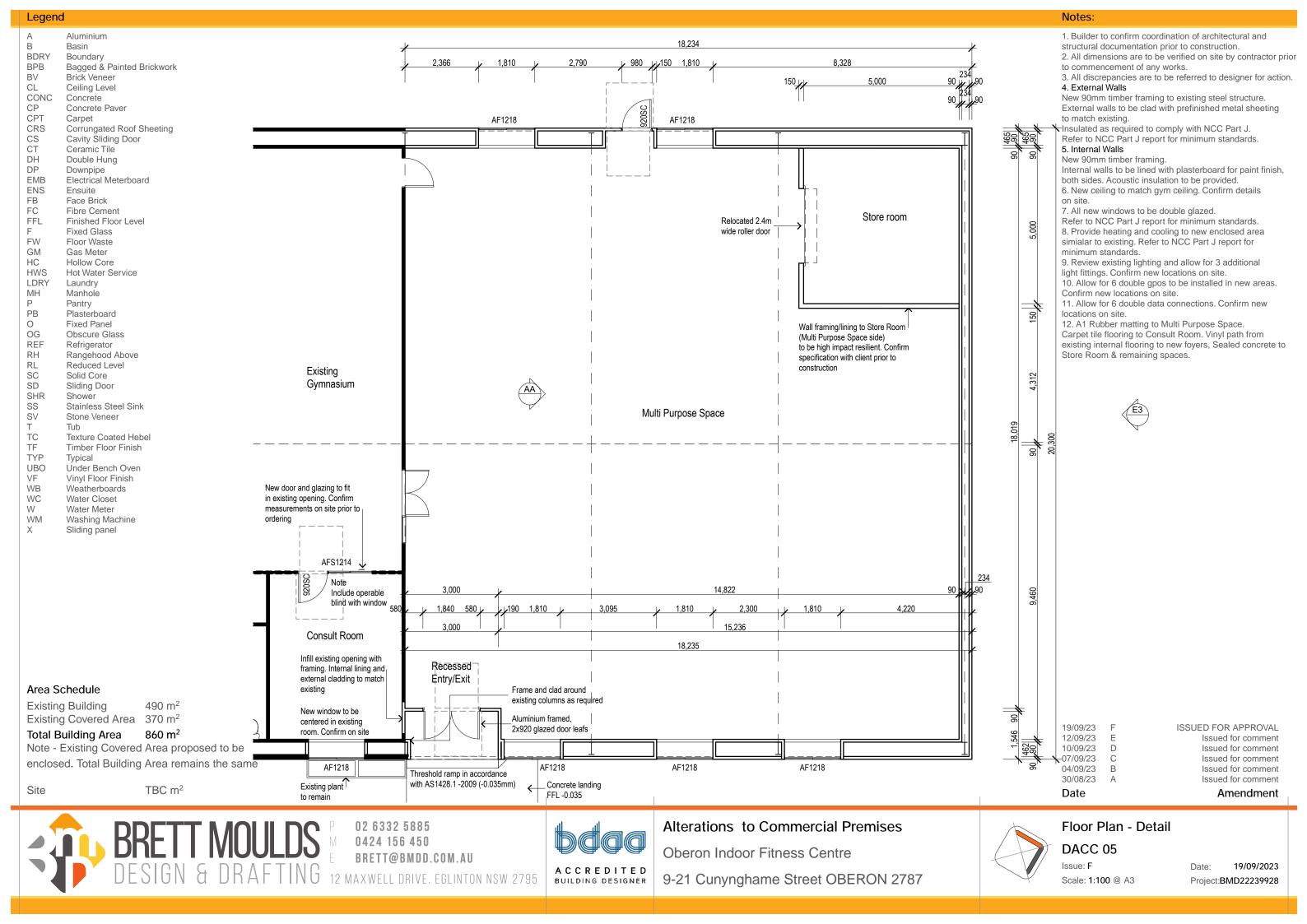
Extend top landing to align

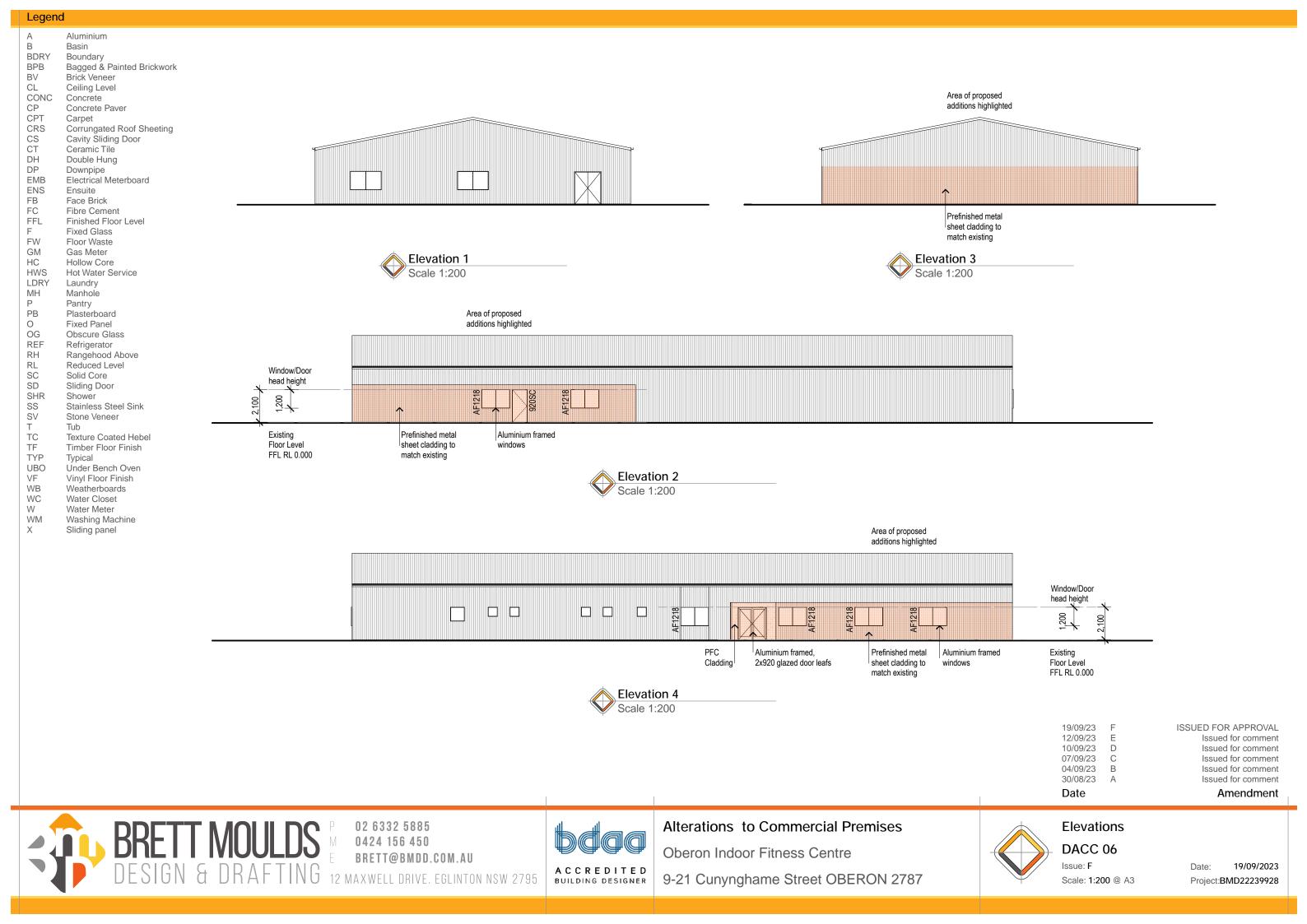
with existing concrete path.

Confirm dimensions on site

Oberon Indoor Fitness Centre 9-21 Cunynghame Street OBERON 2787







## Legend

Aluminium Basin **BDRY** Boundary

BPB Bagged & Painted Brickwork

CL Ceilina Level CONC Concrete Concrete Paver CPT Carpet

CRS Corrungated Roof Sheeting

Brick Veneer

Cavity Sliding Door CS CT DH Ceramic Tile Double Hung Downpipe

**EMB Electrical Meterboard** 

**ENS** Ensuite FΒ Face Brick FC Fibre Cement FFL Finished Floor Level Fixed Glass FW Floor Waste GM Gas Meter

HC Hollow Core HWS Hot Water Service **LDRY** Laundry MH Manhole Pantry РΒ Plasterboard 0 Fixed Panel OG Obscure Glass REF Refrigerator RH Rangehood Above

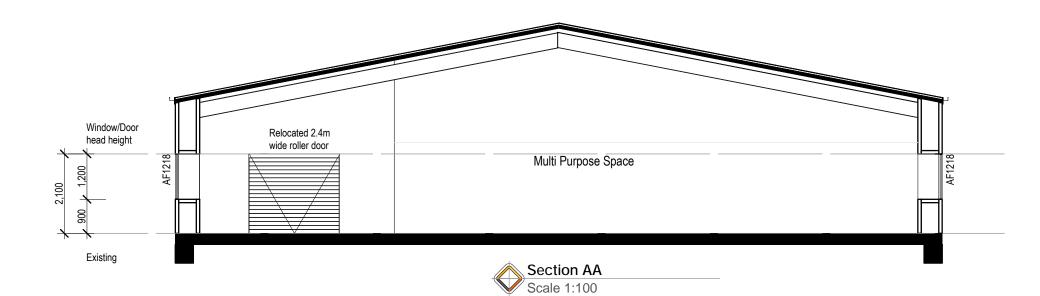
RL Reduced Level SC Solid Core SD Sliding Door SHR SS Shower

Stainless Steel Sink

SV Stone Veneer

T TC Texture Coated Hebel TF Timber Floor Finish

TYP Typical **UBO** Under Bench Oven VF Vinvl Floor Finish WB Weatherboards WC Water Closet W Water Meter WM Washing Machine Sliding panel



### Section J BCA requirements – 9-21 Cunynghame Street, Oberon NSW

(to be read in conjunction with Section J report)

Roof (light colour with SA<0.45): reflective sarking / anticon blanket

External walls: R2.5 bulk insulation and vapour permeable sarking

Thermal breaks required for steel framed construction: R0.2

All external facades: U = 5.8 & SHGC = 0.60

Draught sealing
 External doors to have foam seal around perimeter, draught stopper along bottom edge and

- Air conditioningTo comply with Part J6 as applicable
- Package AC units to comply with MEPS
- Single conditioned zone OR when serving more than 1 zone, thermostatically control the temperature of each zone in accordance with J6D3.
- All AC units with a heating or cooling capacity of more than 2kWr to have a time switch controller (refer to spec 40 of BCA for details).
- Ductwork (if installed) to be insulated to R1.0.

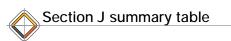
### Internal lighting & power control

- Multi-purpose area maximum illumination power density of 8 W/m2 Storage area maximum illumination power density of 1.5 W/m2
- 95% of lighting to be controlled by a time switch or occupant sensing device. Maximum of 250 sq.m of lighting controlled per light switch.

- External lighting

   All new external lighting to be controlled by either a daylight sensor or time switch and where total perimeter lighting exceeds 100W have a minimum of 90% of light fittings to be LEDS or be controlled by a motion sensor.

  Façade lighting or illuminated signs to be controlled by a time switch or daylight sensor.



# **Alterations to Commercial Premises**

Oberon Indoor Fitness Centre 9-21 Cunynghame Street OBERON 2787



## Section AA & Part J Specification

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Amendment

DACC 07

19/09/23 12/09/23

07/09/23

04/09/23

30/08/23

Date

10/09/23 D

Notes:

4. External Walls

to match existing

5. Internal Walls

minimum standards.

locations on site.

on site.

New 90mm timber framing.

1. Builder to confirm coordination of architectural and

New 90mm timber framing to existing steel structure. External walls to be clad with prefinished metal sheeting

Insulated as required to comply with NCC Part J.

both sides. Acoustic insulation to be provided.

7. All new windows to be double glazed.

light fittings. Confirm new locations on site.

Confirm new locations on site.

Store Room & remaining spaces.

Refer to NCC Part J report for minimum standards.

6. New ceiling to match gym ceiling. Confirm details

Refer to NCC Part J report for minimum standards.

simialar to existing. Refer to NCC Part J report for

9. Review existing lighting and allow for 3 additional

10. Allow for 6 double gpos to be installed in new areas.

11. Allow for 6 double data connections. Confirm new

Carpet tile flooring to Consult Room. Vinyl path from

existing internal flooring to new foyers, Sealed concrete to

12. A1 Rubber matting to Multi Purpose Space.

8. Provide heating and cooling to new enclosed area

Internal walls to be lined with plasterboard for paint finish,

2. All dimensions are to be verified on site by contractor prior

3. All discrepancies are to be referred to designer for action.

structural documentation prior to construction.

to commencement of any works.

Issue: F 19/09/2023 Date: Scale: 1:100 @ A3 Project:BMD22239928

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ACCREDITED BUILDING DESIGNER

### **Specification**

### General

- Design & Construct drawings prepared on the basis of DA approved drawings and the Client supplied Design Brief.
- Dimensions are in millimetres unless otherwise noted.
- All dimensions shall be verified on site by Contractor prior to commencement of any works.
- Figured dimensions take precedence over scaled.
- Do not scale off drawings.
- It is the responsibility of the Builder to verify documents as to their accuracy and suitability.
- These plans are to be read in conjunction with Engineer's details.
- NCC refers to the National Construction Code Volume 1 2022, Building Code of Australia, Class 2 to 9 Buildings
- All discrepancies are to be referred to designer for action.
- Ground levels shown are subject to preliminary survey only and as such final levels and confirmation of same remains the Contractors responsibility.
- No liability will be accepted due to failure to observe & implement any of the above.

## **Statutory Requirements - NCC Volume 1 2022**

- All work to be carried out in accordance with the NCC, conditions imposed by the local authority and the commitments outlined in the relevant Part J Assessment.
- The Builder is to comply with the requirements of all legally constituted authorities having jurisdiction over the building works.
- Soil & sediment erosion control in accordance with requirements of the department of land & water conservation are to be put into place prior to commencement of building works.
- Prior to the commencement of building work, the Builder shall provide temporary toilet facilities for the use of subcontractors. On completion the Builder shall remove the amenity.

## **BCA Requirements**

- All materials shall comply with Section B Structure of the NCC.
- All materials & assembly materials & structure must comply with Specification 7 of the NCC.
- All selected floor coverings to comply with Clause C2D11 of the NCC. A compliance report is to be provided to Council prior to granting of the Occupation Certificate in accordance with this Clause.
- All wet area floors are to be graded and drained to floor wastes to NCC & plumbing codes.
- An approved impervious wall/floor joint is to be provided to the perimeter of all wet areas to NCC & Council requirements.
- The electricity supply system must comply with Clause C3D14 of the NCC.
- All services penetrating building elements required to have an FRL are to be done so in accordance with NCC Clause C4D15 Openings for Service Installations.
- All construction joints, spaces and the like in and between building elements required to be protected are to be done so in accordance with NCC Clause C4D16 Construction Joints.
- Exits must be constructed in accordance with Part D2 of the NCC
- The unobstructed height of the exit path must not be less than 2m in accordance with NCC Clause D2D7.
- The unobstructed width of the exit path must not be less than 1m in accordance with NCC Clause D2D8.
- The stair, handrails & balustrades shall comply with Part D3 'Construction of exits' of the NCC.
- Doors & operation of latches are to comply with Parts D3D24, DD3D25 & D3D26 of the NCC.
- All accessible doors shall have a luminance contrast in accordance with AS 1428.1 2009 Clause 13.1 Luminance contrast.
- Thresholds shall comply with Clause D3D16 of the NCC.
- Location of services & equipment must comply with Clause D3D8 of the NCC.
- All full height glazing to have visual indicators in accordance with BCA 2016 Clause D4D13 Glazing on an accessway.
- Enclosure of space under Non fire-isolated stairs to comply with NCC Clause D3D9(2)(a). Enclosing walls and ceilings to have an FRL of not less than 60/60/60; and, ii. acess doorway to the enclosed space to be fitted with a self-closing -/60/30 fire door
- Disabled access is to comply with AS1428.1.
- Accessible facilities, services & features are to comply with Clause D4D7 of the NCC.
- Tactile indicators are to be provided to comply with Clause D4D9 of the NCC.
- Certificates relating to essential services (list to come from Council) shall be submitted pursuant to Section E of the NCC.
- Exits are not to be locked at point of discharge.
- An automatic smoke detection and alarm system complying with Specification 20 E2D5 General Requirements of the NCC.
- An emergency lighting system is to be provided in accordance with AS 2293.1 and Clause E4D2 of the NCC.
- Exit signage must be supplied and operated in accordance with Clauses E4D5 & E4D8 of the NCC.
- Directional signage must be installed in accordance Clause E4D6 of the NCC.
- Fire precautions during construction shall be undertaken in accordance with Section D, Clause E1D16 of the NCC.
- All stormwater drainage work shall be carried out to comply with Clause F1D3 of the NCC & AS/NZ 3500.3.
- All roof coverings to be installed in accordance with Clause F3D2 of the NCC & AS/NZ 1562.1.
- All Sarking to be provided and installed in accordance with Clause F3D3 of the NCC.

## **BCA Requirements continued**

- Wet area watreproofing shall be carried out in accordance with Clauses F2D2 & F2D3 of the NCC.
- All damp-proofing to be carried out in accordance with Clauses F1D6 & F1D7 of the NCC.
- All wet area floors are to be graded and drained to floor wastes in accordance with Clause F2D4 of the NCC.
- To comply with Clause F3D4 & Part J2 of the BCA, window and door frame and glazing qualities are to be supplied in accordance with the Glazing calculator attached to the BCA Part J Assessment.
- Adequate means of disposal of sanitary towels must be provided in sanitary facilities for use by female in accordance with Clause F4D4 Facilities in Class 3 to 9 buildings of the NCC.
- Disabled toilets & the fit out of the same are to comply with Part F4D5 of the NCC & AS1428.1.
- An accessible unisex sanitary compartment must contain a closet pan, washbasin, shelf, or bench top and adequate means of disposal of sanitary towels in accordance with Clause F4D5d Accessible sanitary facilities of the NCC.
- The circulation spaces, fixtures and fittings of all accessible sanitary facilities must comply with F4D5d Accessible Sanitary Facilities of the NCC and AS1428.1
- Artificial lighting must be provided in accordance with Clause F6D5(1) and (2) of Artificial lighting.
- The ventilation of each room is to comply with Clause F6D6 of the NCC. The proposed mechanical ventilation system is to comply with AS 1688.2 and AS/NZS 3666.1.

## Signage must be provided in accordance with BCA 2022 Clause D4D7 Signage

In a building required to be accessible—

- (a) braille and tactile signage complying with Specification 15 must -
- (i) incorporate the international symbol of access or deafness, as appropriate, in accordance with AS 1428.1 must identify
- (A) sanitary facility, except a sanitary facility associated with a bedroom in a Class 1b building or a sole occupancy unit in a Class 3 or a Class 9c building; and
- (B) space with a hearing augmentation system; and
- (ii) identify each door required by E4D5 to be provided with an exit sign and state -
- (A) "Exit" and
- (B) "Level"; and
- (C) the floor level number or floor level descriptor, or a combination of the two.
- (b) signage including the international symbol for deafness in accordance with AS 1428.1 must be provided within a room containing a hearing augmentation system identifying -
- (i) the type of hearing augmentation; and
- (ii) the area covered within the room; and
- (iii) if receivers are being used and where the receivers can be obtained; and
- (c) signage in accordance with AS 1428.1 must be provided for accessible unisex sanitary facilities to identify if the facility is suitable for left or right handed use; and
- (d) signage to identify an ambulant accessible sanitary facility in accordance with AS 1428.1 must be located on a door of the facility; and
- (e) where a pedestrian entrance is not accessible, directional signage incorporating the international symbol of access in accordance with AS 1428.1 must be provided to direct the person to the location of the nearest accessible pedestrian
- (f) where a bank of sanitary facilities is not provided with an accessible unisex sanitary facility, directional signage incorporating the international symbol of access in accordance with AS1428.1 must be placed at the location of the sanitary facilities that are not accessible, to direct a person to the location of the nearest accessible unisex sanitary facility.

**Alterations to Commercial Premises** Oberon Indoor Fitness Centre

**Specification** 

19/09/23 F

12/09/23 E

10/09/23 D

07/09/23 C

30/08/23 A

04/09/23

Date

Scale: NTS @ A3

DACC 08 Issue: F

BRETT MOULDS | DESIGN & DRAFTING | 12 MAXWELL DRIVE. EGLINTON NSW 2795

ACCREDITED

BUILDING DESIGNER

9-21 Cunynghame Street OBERON 2787

19/09/2023 Date: Project:BMD22239928

ISSUED FOR APPROVAL

Issued for comment

Amendment