Notes - Construction General (BASIX)

Glazing

- Aluminium framed single clear glazing to internal windows
  that open to wintergardens
  U-Value: 6.6 (equal to or lower than)
  SHGC: 0.69 (+ or – 10%)
- Aluminium framed double clear glazing to curtain walls &
  glazing to balcony edge.
  U-Value: 4.4 (equal to or lower than)
  SHGC: 0.5 (+ or – 10%)

Given values are NFRC, total window values

Roof / ceiling insulation

- Concrete roof - No insulation
- Plasterboard ceiling - R3.0 bulk insulation to selected units
  (34.01 and 34.07) with balconies above
- Plasterboard ceiling - R2.0 bulk insulation to all units to top floor,
  balconies above & slot areas above to all other units.

Note: It has been assumed at DA stage that the area of all ceiling penetrations
is less than 0.5% of the total ceiling area. If down lights are proposed at a later stage,
BCI loss of insulation calculations will be required.

Wall / floor insulation

- Lightweight cladding to all external walls with R1.5 bulk insulation
- 75mm hebel power panel plasterboard lined with R1.5 acoustic
  insulation to selected units only (7.01 and 8.01)
- 75mm hebel power panel plasterboard lined with R1.5 acoustic
  insulation to all other units.

Floors:

- Concrete – R2.1 insulation to all units in level 7 with car park
  below
- Concrete – no insulation required between units

Floor coverings

- 1 & 2 bed apartments - tiles to wets areas, carpet to bedrooms
  and living areas as per plans
- All 3 & 4 bed apartments tiled throughout

Central hot water system

- Central gas-fired boiler with R1.0 (~38mm) insulation to
  ringmain and supply risers.

Alternative water supply available from Sydney Olympic Park
Authority to be used for the irrigation of all landscaping & all
bathrooms within the building.

Alternative energy

- Not required by BASIX

Central gas-fired boiler with R1.0 (~38mm) insulation to
ringmain and supply risers.

Alternative water supply available from Sydney Olympic Park
Authority to be used for the irrigation of all landscaping & all
toilets within the building.

Notes - Construction General (BASIX)

Check all dimensions and site conditions prior to commencement of any work, the
purchase or ordering of any materials, fittings, plant, services or equipment and the
preparation of shop drawings and or the fabrication of any components.

Do not scale drawings - refer to figured dimensions only. Any discrepancies shall
immediately be referred to the architect for clarification.

All drawings may not be reproduced or distributed without prior permission from
the architect.

Scale

1 : 100

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Pty Ltd ABN 70 004 999 400

Client: Ecove
Site 9, Sydney Olympic Park
3 Olympic Boulevard
Level 10, 12, 14

Development Application

Author Checker

DA02.010
Notes - Construction General (BASIX)

- Glazing
  - Aluminium framed single clear glazing to internal windows that open to wintergardens: U-Value: 6.6 (equal to or lower than) SHGC: 0.69 (+ or – 10%)
  - Aluminium framed double clear glazing to curtain walls & glazing to balcony edge: U-Value: 4.4 (equal to or lower than) SHGC: 0.5 (+ or – 10%)
  - Given values are NFRC, total window values

- Roof / ceiling insulation
  - Concrete roof - No insulation
  - Plasterboard ceiling - R3.0 bulk insulation to selected units (34.01 and 34.07) with balconies above.
  - Plasterboard ceiling - R2.0 bulk insulation to all units to top floor, balconies above & slot areas above to all other units.
  - Note: It has been assumed at DA stage that the area of all ceiling penetrations is less than 0.5% of the total ceiling area. If down lights are proposed at a later stage, BCA loss of insulation calculations will be required.

- Wall / floor insulation
  - External Wall: Lightweight cladding to all external walls with R1.5 bulk insulation
  - Internal walls within units: Plasterboard on studs - no insulation
  - Inter-tenancy walls / corridor: 75mm hebel power panel plasterboard lined with R2.0 acoustic insulation to selected units only (7.01 and 8.01)
  - 75mm hebel power panel plasterboard lined with R1.5 acoustic insulation to all other units.
  - Floors: Concrete – R2.1 insulation to all units in level 7 with car park below
  - Concrete – no insulation required between units

- Floor coverings
  - 1 & 2 bed apartments - tiles to wets areas, carpet to bedrooms and living areas as per plans
  - All 3 & 4 bed apartments tiled throughout

- Central hot water system
  - Central gas-fired boiler with R1.0 (~38mm) insulation to ringmain and supply risers.
  - Reticulated alternative water supply available from Sydney Olympic Park Authority to be used for the irrigation of all landscaping & all toilets within the building (No rainwater tank required for BASIX compliance)

- Alternative energy
  - Not required by BASIX

Check all dimensions and site conditions prior to commencement of any work, the purchase or ordering of any materials, fittings, plant, services or equipment and the preparation of shop drawings and or the fabrication of any components.

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Notes - Construction General (BASIX)

Glazing

Doors / windows:
- Aluminium framed single clear glazing to internal windows that open to wintergardens
  U-Value: 6.6 (equal to or lower than) SHGC: 0.69 (+ or – 10%)  
- Aluminium framed double clear glazing to curtain walls & glazing to balcony edge.
  U-Value: 4.4 (equal to or lower than) SHGC: 0.5 (+ or – 10%)

Given values are NFRC, total window values

Roof / ceiling insulation

Roof: Concrete roof - No insulation
Ceiling: Plasterboard ceiling - R3.0 bulk insulation to selected units (34.01 and 34.07) with balconies above.
Plasterboard ceiling - R2.0 bulk insulation to all units to top floor, balconies above & slot areas above to all other units.

Note: It has been assumed at DA stage that the area of all ceiling penetrations is less than 0.5% of the total ceiling area. If down lights are proposed at a later stage, BCA loss of insulation calculations will be required.

Wall / floor insulation

External Wall:
Lightweight cladding to all external walls with R1.5 bulk insulation No colour nominated

Internal walls within units:
Plasterboard on studs - no insulation

Inter-tenancy walls / corridor:
75mm hebel power panel plasterboard lined with R2.0 acoustic insulation to selected units only (7.01 and 8.01)
75mm hebel power panel plasterboard lined with R1.5 acoustic insulation to all other units.

Floors:
Concrete – R2.1 insulation to all units in level 7 with car park below
Concrete – no insulation required between units

Floor coverings:
1 & 2 bed apartments - tiles to wets areas, carpet to bedrooms and living areas as per plans
All 3 & 4 bed apartments tiled throughout

Central hot water system

Central gas-fired boiler with R1.0 (~38mm) insulation to ringmain and supply risers.

Reticulated alternative water

Alternative water supply available from Sydney Olympic Park Authority to be used for the irrigation of all landscaping & all toilets within the building (No rainwater tank required for BASIX compliance)

Alternative energy

Not required by BASIX

Check all dimensions and site conditions prior to commencement of any work, the purchase or ordering of any materials, fittings, plant, services or equipment and the preparation of shop drawings and or the fabrication of any components.

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Client: Ecove

Site 9, Sydney Olympic Park
3 Olympic Boulevard
Level 15, 17, 19

General Arrangement Plan

Development Application

Acoustics (int) sound rating from Sydney Olympic Park
Acoustics (ext) sound rating from Sydney Olympic Park
All external doors & windows to be installed to BASIX compliant.

Ecoder

DA02.015
Glazing

Doors / windows:
- Aluminium framed single clear glazing to internal windows that open to wintergardens
  U-Value: 6.6 (equal to or lower than) SHGC: 0.69 (+ or – 10%)
- Aluminium framed double clear glazing to curtain walls & glazing to balcony edge.
  U-Value: 4.4 (equal to or lower than) SHGC: 0.5 (+ or – 10%)

Given values are NFRC, total window values

Roof / ceiling insulation
- Roof: Concrete roof - No insulation
- Ceiling:
  - Plasterboard ceiling - R3.0 bulk insulation to selected units (34.01 and 34.07) with balconies above.
  - Plasterboard ceiling - R2.0 bulk insulation to all units to top floor, balconies above & slot areas above to all other units.

Note: It has been assumed at DA stage that the area of all ceiling penetrations is less than 0.5% of the total ceiling area. If down lights are proposed at a later stage, BCA loss of insulation calculations will be required.

Wall / floor insulation
- External Wall:
  - Lightweight cladding to all external walls with R1.5 bulk insulation
  - No colour nominated
- Internal walls within units:
  - Plasterboard on studs - no insulation
- Inter-tenancy walls / corridor:
  - 75mm hebel power panel plasterboard lined with R2.0 acoustic insulation to selected units only (7.01 and 8.01)
  - 75mm hebel power panel plasterboard lined with R1.5 acoustic insulation to all other units.
- Floors:
  - Concrete – R2.1 insulation to all units in level 7 with car park below
  - Concrete – no insulation required between units

Floor coverings
- 1 & 2 bed apartments - tiles to wets areas, carpet to bedrooms and living areas as per plans
- All 3 & 4 bed apartments tiled throughout

Central hot water system
- Central gas-fired boiler with R1.0 (~38mm) insulation to ringmain and supply risers.

Alternative water
- Alternative water supply available from Sydney Olympic Park Authority to be used for the irrigation of all landscaping & all toilets within the building (No rainwater tank required for BASIX compliance)

Alternative energy
- Not required by BASIX
Notes - Construction General (BASIX)

- Glazing
  - Aluminium framed single clear glazing to internal windows that open to wintergardens
    U-Value: 6.6 (equal to or lower than)
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  - Given values are NFRC, total window values

- Roof / ceiling insulation
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- Wall / floor insulation
  - Light weight cladding to all external walls with R1.5 bulk insulation no colour nominated
  - Internal walls within units:
    - Plasterboard on studs - no insulation
  - Inter-tenancy walls / corridor:
    - 75mm hebel power panel plasterboard lined with R2.0 acoustic insulation to selected units only (7.01 and 8.01)
    - 75mm hebel power panel plasterboard lined with R1.5 acoustic insulation to all other units.
  - Floors:
    - Concrete – R2.1 insulation to all units in level 7 with car park below
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- Floor coverings
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- Central hot water system
  - Central gas-fired boiler with R1.0 (~38mm) insulation to ringmain and supply risers.
  - Reticulated alternative water
  - Alternative water supply available from Sydney Olympic Park Authority to be used for the irrigation of all landscaping & all toilets within the building (No rainwater tank required for BASIX compliance)

- Alternative energy
  - Not required by BASIX
Notes - Construction General (BASIX)

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  Given values are NFRC, total window values

**Roof / Ceiling Insulation**
- Concrete roof - No insulation
- Plasterboard ceiling - R3.0 bulk insulation to selected units (34.01 and 34.07) with balconies above.
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- Floors:
  - Concrete – R2.1 insulation to all units in level 7 with car park below
  - Concrete – no insulation required between units

**Floor Coverings**
- 1 & 2 bed apartments - tiles to wets areas, carpet to bedrooms and living areas as per plans
- All 3 & 4 bed apartments tiled throughout

**Central Hot Water System**
- Central gas-fired boiler with R1.0 (~38mm) insulation to ringmain and supply risers.

**Alternative Water**
- Reticulated alternative water
- Alternative water supply available from Sydney Olympic Park Authority to be used for the irrigation of all landscaping & all toilets within the building
  - (No rainwater tank required for BASIX compliance)

**Alternative Energy**
- Not required by BASIX
Notes - Construction General (BASIX)

Glazing
Doors / windows:
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Alternative energy
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Roof / ceiling insulation
- Concrete roof - No insulation
- Default Colour modelled
- Plasterboard in site - No insulation

Ceiling:
- Plasterboard ceiling - R3.0 bulk insulation to selected units
- Plasterboard ceiling - R2.0 bulk insulation to all units to top floor, balconies above & slot areas above to all other units.

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Central heating system
- Not required by BASIX
Notes - Construction General (BASIX)

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Doors / windows:
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Given values are NFRC, total window values

Roof / ceiling insulation
- Roof:
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  Default Colour modelled
- Ceiling:
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Reticulated alternative water
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Alternative energy
- Not required by BASIX