### **CONSTRUCTION CERTIFICATE**

ISSUE 'C'--20/11/2017

STRUCTURAL ENGINEERS AND BUILDING DESIGNERS

PECORP DESIGN

CONSTRUCTION CERTIFICATE ISSUE 'C'-20/11/17

### PROPOSED UNIT DEVELOPMENT

for

### THINK PROPERTY DEVELOPMENTS PTY LTD

at

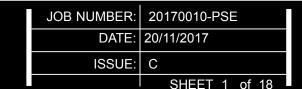
LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK

© COPYRIGHT OF PECORP DESIGN.

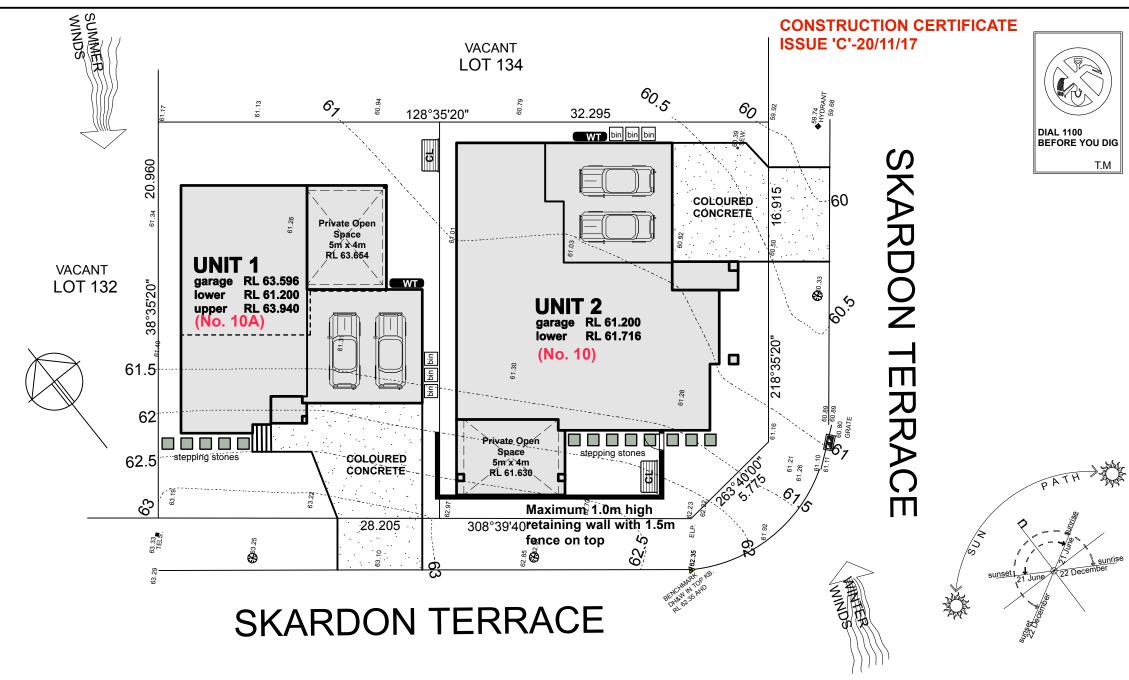
CLIENT:

think property
developments

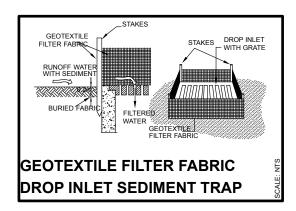
JOB ADDRESS: LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK.



## **PECORP DESIGN**







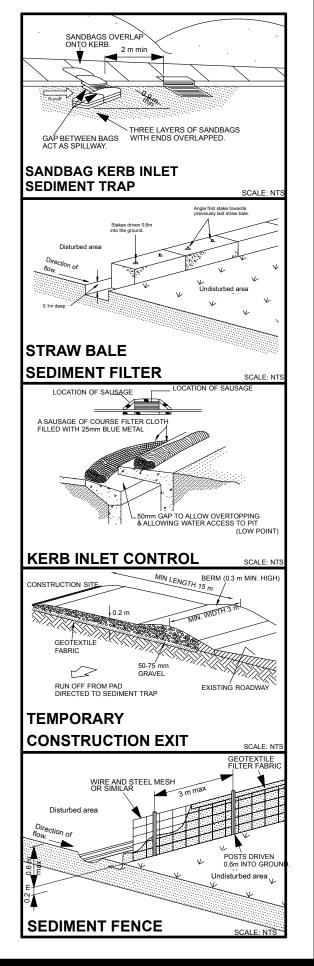
ALL DIMENSIONS ARE TO BE VERIFIED ON SITE PRIOR TO WORK COMMENCING.

NOTES:- All clothes lines to be minimum 20 linear metres per dwelling.

-Window style to owners detail

-All bathroom, ensuites, laundries & kitchen to owners setout

SITE CALCULATIONS	
SITE	669.1sq. m.
UNIT 1 Lower Floor Upper Floor Garage TOTAL AREA	65.4sq. m. 74.4sq. m. 32.4sq. m. 139.8sq. m.
UNIT 2 Lower Floor Garage TOTAL AREA	139.8sq. m. 33.5sq. m. 139.8 sq. m.
TOTAL AREA FSR	279.6 sq. m. 0.418:1



© COPYRIGHT OF PECORP DESIGN.
CLIENT:

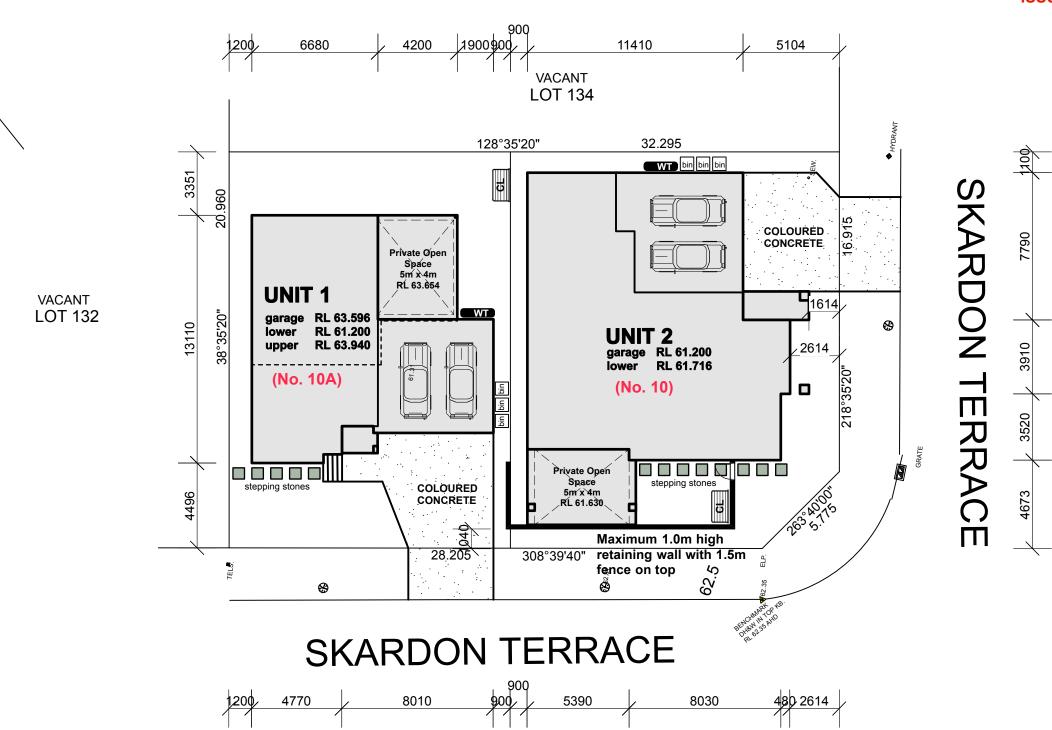
think property developments

JOB ADDRESS:

LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK.

JOB NUMBER:	20170010-PSE
DATE:	20/11/2017
ISSUE:	С
	SHEET 2 of 18

## PECORP DESIGN







© COPYRIGHT OF PECORP DESIGN.

CLIENT:

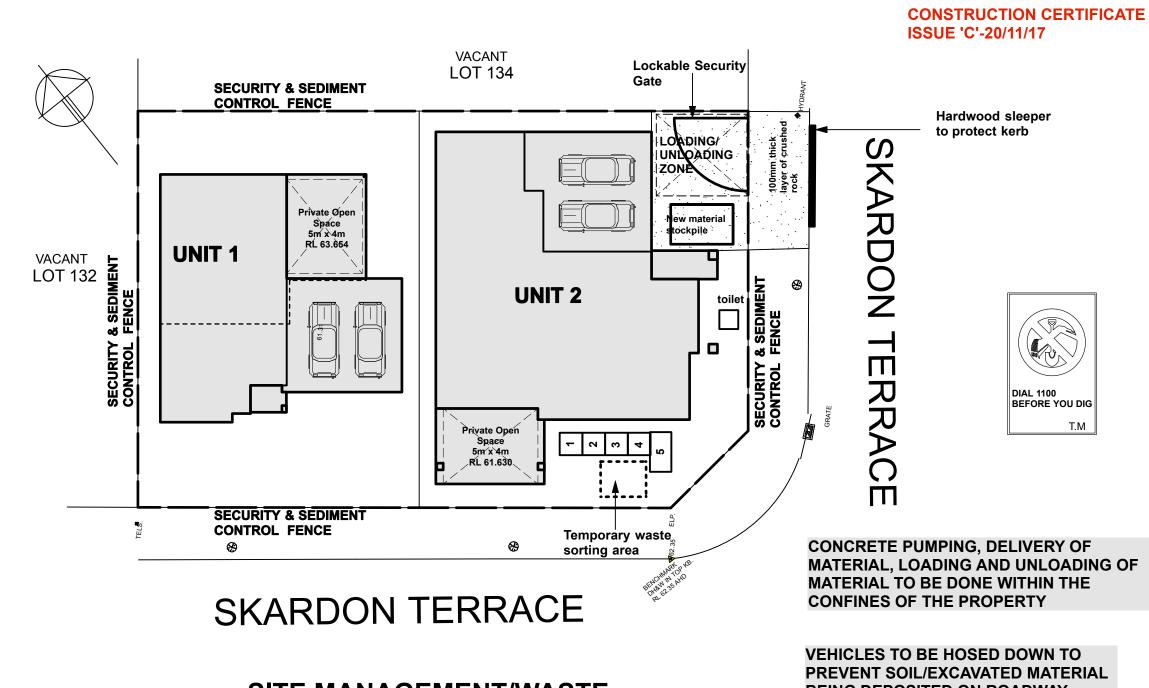
think property
developments

JOB ADDRESS:

LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK.

JOB NUMBER:	20170010-PSE
DATE:	20/11/2017
ISSUE:	С
	SHEET 3 of 18

## PECORP DESIGN



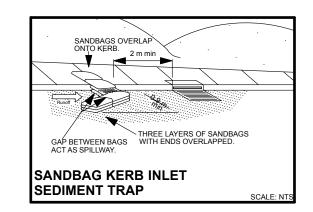
### SITE MANAGEMENT/WASTE **MANAGEMENT/ SOIL EROSION PLAN**

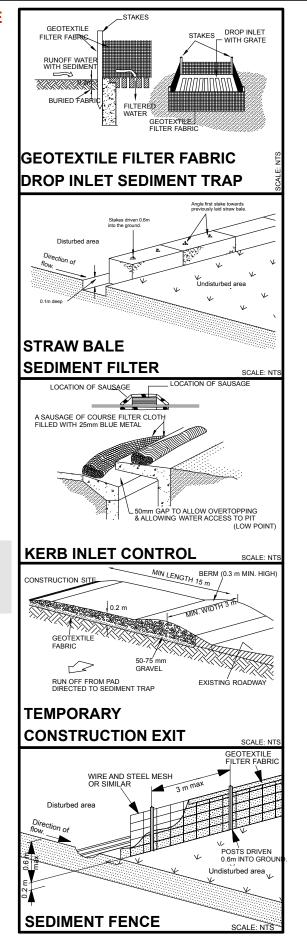
**SCALE 1:200** 

**WASTE BAYS 1-4 ARE TO BE CONSTRUCTED USING SHADE CLOTH OR SEDIMENT** FENCING. WHERE THE WASTE STREAM IS MADE UP OF LIGHT MATERIAL SUCH AS PAPER AND CARDBOARD, THE WASTE BAYS MUST CONSIST OF A CONTAINER FOR THE STORAGE OF THIS MATERIAL.

Trucks to be hosed off in this area prior to leaving the site to prevent soil being deposited on roadway.

BEING DEPOSITED ON ROADWAY.





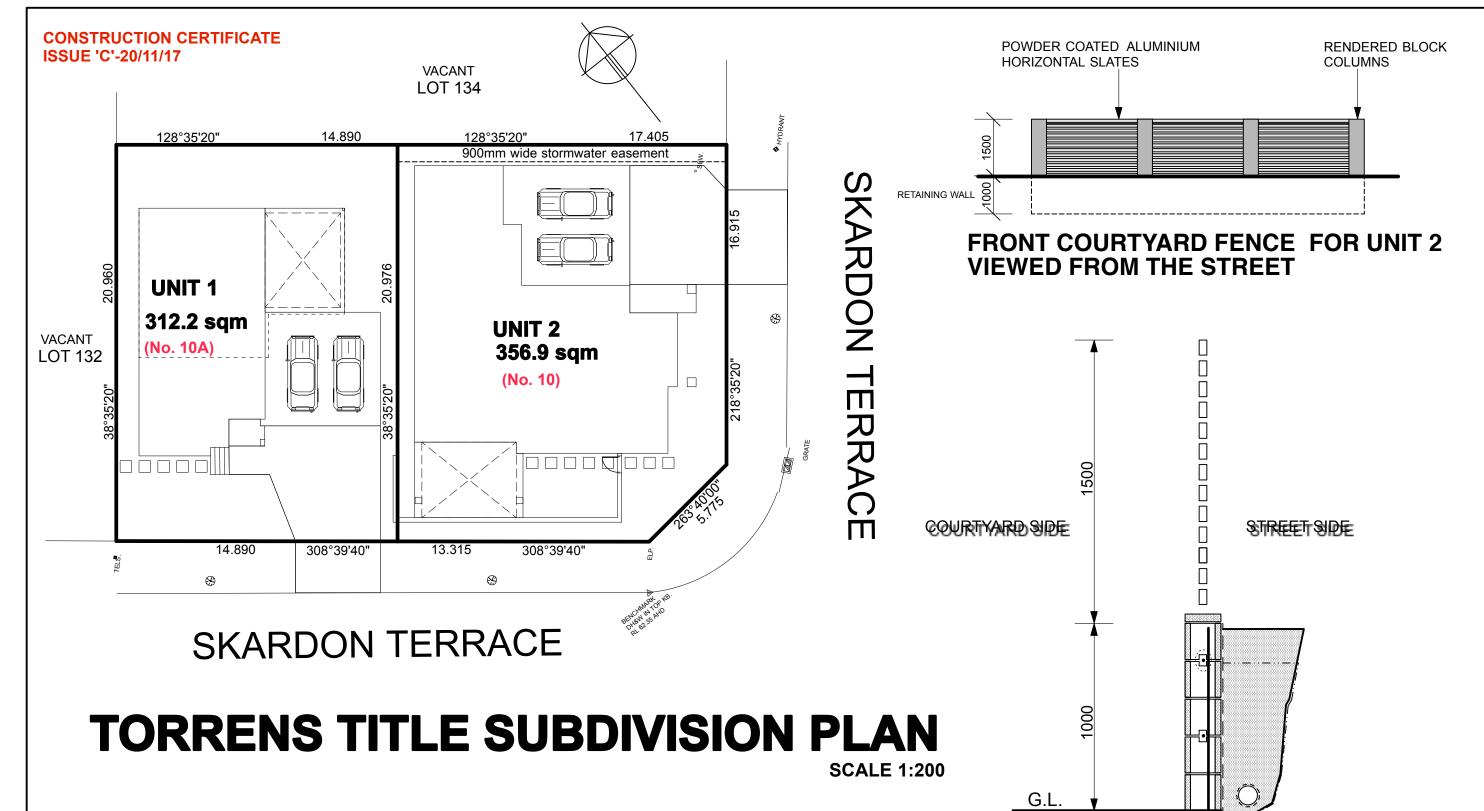
 ${\Bbb C}$  COPYRIGHT OF PECORP DESIGN. CLIENT:

think property developments **JOB ADDRESS:** 

**LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK.** 

JOB NUMBER:	20170010-PSE
DATE:	20/11/2017
ISSUE:	С

## PECORP DESIGN





COURTYARD FENCE/RETAINING
WALL DETAIL

© COPYRIGHT OF PECORP DESIGN.

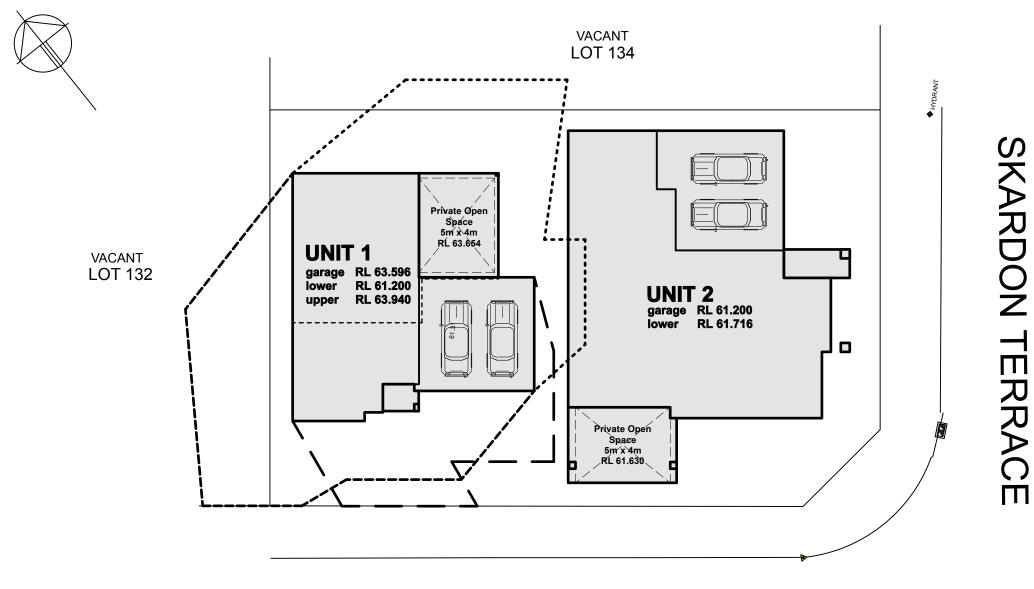
CLIENT:

think property
developments

JOB ADDRESS: LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK.

JOB NUMBER:	20170010-PSE
DATE:	20/11/2017
ISSUE:	С
	CHEET 5 of 10

## PECORP DESIGN



### **SKARDON TERRACE**

### **June 22nd Shadow Diagram**

----- 9.00 a.m.

- — - 12.00 p.m.

----- 3.00 p.m.

# SHADOW DIAGRAM



© COPYRIGHT OF PECORP DESIGN.

CLIENT:

think property
developments

JOB ADDRESS:

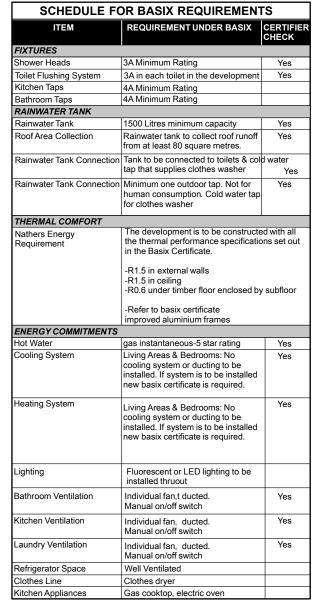
LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK.

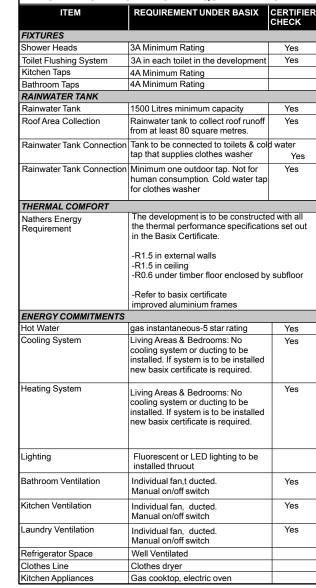
JOB NUMBER:	20170010-PSE
DATE:	20/11/2017
ISSUE:	С
	SHEET 6 of 18

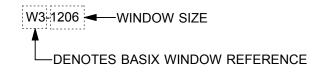
## PECORP DESIGN

### **CONSTRUCTION CERTIFICATE ISSUE 'C'-20/11/17**

### **UNIT 1---CERTIFICATE NUMBER: 801213S**







upper floor plan **SCALE 1:100** 

**DENOTES SMOKE DETECTOR** PERMANENTLY WIRED TO ELECTRICITY MAINS.

> (THE LOCATION OF COMPLIANT SMOKE ALARMS MUST BE IN ACCOPRDANCE WITH THE PROVISIOND OF PART 3.7.2 OF THE BUILDING CODE OF AUSTRALIA).

COPYRIGHT OF PECORP DESIGN. CLIENT: think property

developments

90

**JOB ADDRESS:** 

**/**860

**LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK.** 

12780

1200

6680

6500

1600

Waste/Recycling Store

Mechanical ventilation to

be provided & removable

**WIR** 

1200

1200

1660

12780

2510

30

2300

W5-0621

Meals

Kitchen hinges

UNIT 1

Master

Bedroom<sup>3</sup>

W1-1824

3460

3460

3800

1220

W6-0621

Lounge

RL 63.940

4140

4140

privacy screen

Privaté

Open Space

RL 63.854

5850

GARAGE

GD-2450

5850

5850

5850

6120

<del>₹</del>L-63.<del>5</del>96-

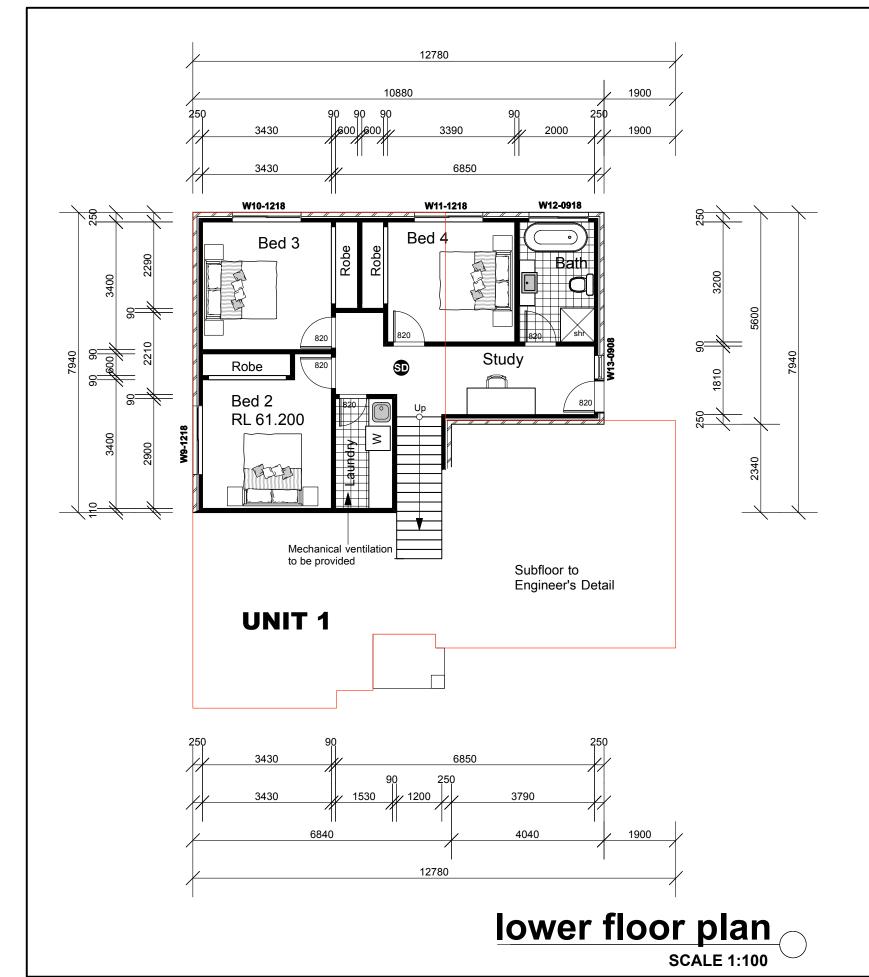
1960

1960

■Post

JOB NUMBER:	20170010-PSE
DATE:	20/11/2017
ISSUE:	С
	CUEET 7 of 10

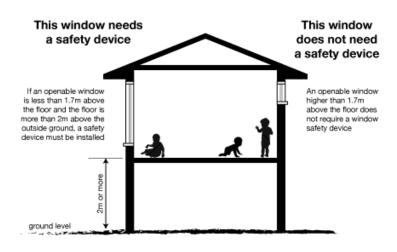
## PECORP DESIGN

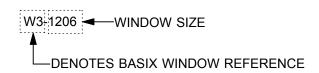


An openable window will need a safety device installed if:

- 1. the lowest part of the window is less than 1.7m above the floor; and
- 2. the internal floor under the window is 2m or more above the outside surface.

The safety devices must be able to limit the maximum window opening to 12.5cm, must be robust, and must be childproof. Suitable window safety devices would include window locks or safety screens, but not ordinary insect screens.





DENOTES SMOKE DETECTOR
PERMANENTLY WIRED TO
ELECTRICITY MAINS.
(THE LOCATION OF COMPLIANT SMOKE
ALARMS MUST BE IN ACCOPRDANCE WITH
THE PROVISIOND OF PART 3.7.2 OF THE
BUILDING CODE OF AUSTRALIA).

COPYRIGHT OF PECORP DESIGN.

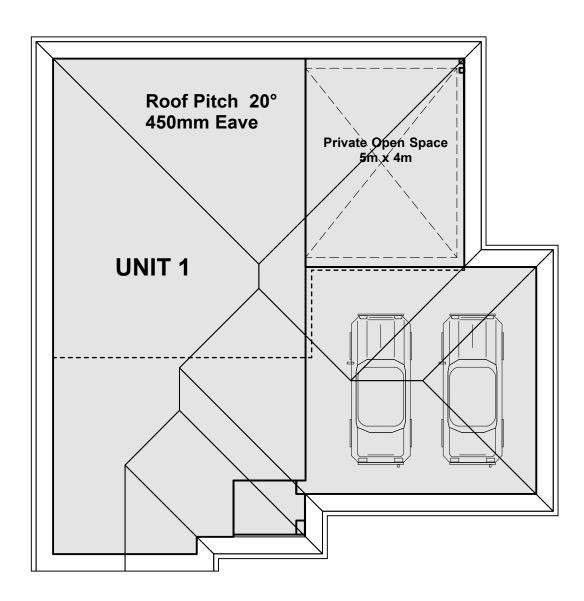
think property developments

JOB ADDRESS:

LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK.

JOB NUMBER:	20170010-PSE
DATE:	20/11/2017
ISSUE:	С

## PECORP DESIGN





### **RFS Bushfire Safety Authority**

A Bushfire Safety Authority as required under section 100B of the Rural Fires Act 1997 is issued by the NSW Rural Fire Service, subject to the following conditions:

#### 50. Asset Protection Zones

To provide sufficient space and maintain reduced fuel loads so as to ensure radiant heat levels of buildings are below critical limits and to prevent direct flame contact with a building, at the issue of subdivision certificate and in perpetuity, the entire property shall be managed as an inner protection area (IPA) as outlined within Section 4.1.3 and Appendix 5 of "Planning for Bush Fire Protection 2006" and the NSW Rural Fire Service's document "Standards for asset protection zones".

### 51. Water and Utilities

To provide adequate services of water for the protection of buildings during and after the passage of a bush fire, and to locate gas and electricity so as not to contribute to the risk of fire to a building, water, electricity and gas are to comply with Section 4.1.3 of "Planning for Bush Fire Protection 2006".

### 52. Design and Construction

The intent of measures is that buildings are designed and constructed to withstand the potential impacts of bush fire attack. To achieve this, the following conditions shall apply:

- (a) New construction to the roof and northeast, southeast and southwest elevations of proposed Unit 2 shall comply with Section 3 and Section 7 (BAL 29) Australian Standard AS3959-2009 "Construction of buildings in bush fire-prone areas" or NASH Standard (1.7.14 updated) "National Standard Steel Framed Construction in Bushfire Areas - 2014" as appropriate and Section A3.7 Addendum Appendix 3 of "Planning for Bush Fire Protection 2006".
- (b) New construction to the northwest elevation of proposed Unit 2 shall comply with Section 3 and Section 6 (BAL 19) Australian Standard AS3959-2009 "Construction of buildings in bush fire-prone area" or NASH Standard (1.7.14 updated) "National Standard Steel

Framed Construction in Bushfire Areas – 2014" as appropriate and Section A3.7 Addendum Appendix 3 of "Planning for Bush Fire Protection 2006".

(c) New construction to proposed Unit 1 shall comply with Sections 3 and 5 (BAL 12.5) Australian Standard AS3959-2009 "Construction of buildings in bush fire-prone areas" or NASH Standard (1.7.14 updated) "National Standard Steel Framed Construction in Bushfire Areas – 2014" as appropriate and Section A3.7 Addendum Appendix 3 of "Planning for Bush Fire Protection 2006".

COPYRIGHT OF PECORP DESIGN.

CLIENT:

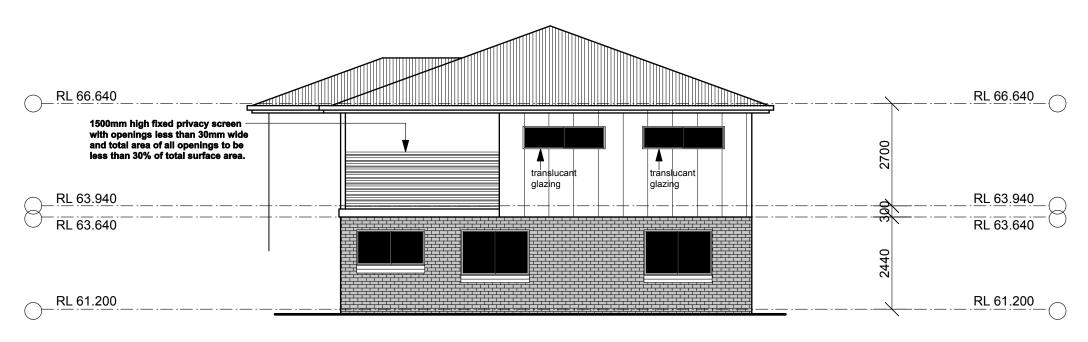
think property developments

JOB ADDRESS:

LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK.

JOB NUMBER:	20170010-PSE
DATE:	20/11/2017
ISSUE:	С
	CHEET 0 of 10





northeast elevation
(BAL 12.5) SCALE 1:100

© COPYRIGHT OF PECORP DESIGN.

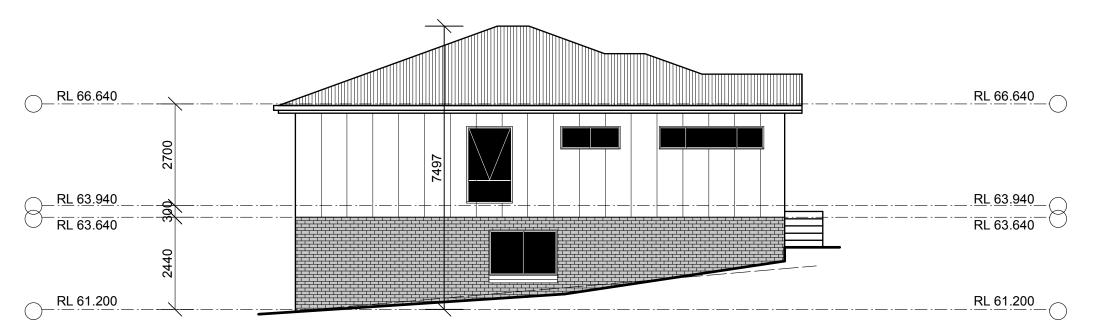
CLIENT:

think property developments

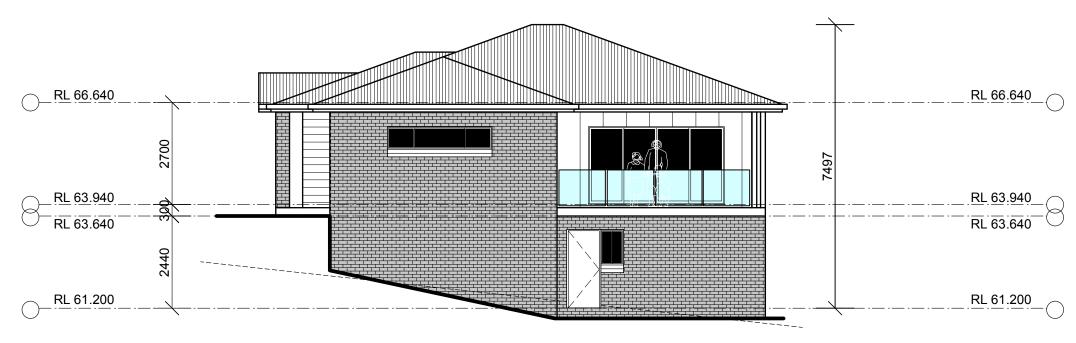
JOB ADDRESS: LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK.

JOB NUMBER:	20170010-PSE
DATE:	20/11/2017
ISSUE:	С
	CHEET 10 of 10

## PECORP DESIGN



# northwest elevation (BAL 12.5) SCALE 1:100



southeast elevation
(BAL 12.5) SCALE 1:100

© COPYRIGHT OF PECORP DESIGN.

CLIENT:

think property
developments

JOB ADDRESS:

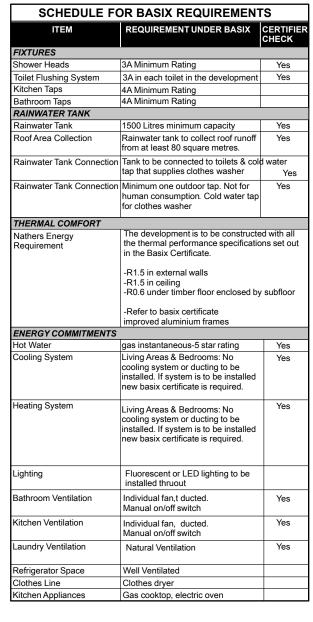
LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK.

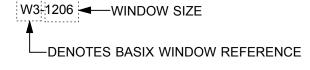
JOB NUMBER:	20170010-PSE
DATE:	20/11/2017
ISSUE:	С
	CHEET 11 of 10

## PECORP DESIGN

### **CONSTRUCTION CERTIFICATE ISSUE 'C'-20/11/17**

#### **UNIT 2---CERTIFICATE NUMBER: 801214S**





DENOTES SMOKE DETECTOR PERMANENTLY WIRED TO ELECTRICITY MAINS.

(THE LOCATION OF COMPLIANT SMOKE ALARMS MUST BE IN ACCOPRDANCE WITH THE PROVISIOND OF PART 3.7.2 OF THE BUILDING CODE OF AUSTRALIA).

3660 1090 5500 3490 3000 1160 ×1000 5500 3020 W3-1221 W2-0906 W1-0618 Bed 1 Garage RL 61,200 8= **3D** 6 1210 Foyer **UNIT 2** W13-1812 8= ×5 Bed 2 Dining Kitcher RL 61.716 **9** 8= Lounge Bed 3 Bath Liner ope. W8-2136 Private Open Space RL 61.630 5000 1100 3940 **/**1000 250 90 5300 2160 3990 /1010 470 1200 lower floor plan 5140 1480 7780 **SCALE 1:100** 14900 **JOB ADDRESS:** COPYRIGHT OF PECORP DESIGN.

11410

3490

CLIENT:

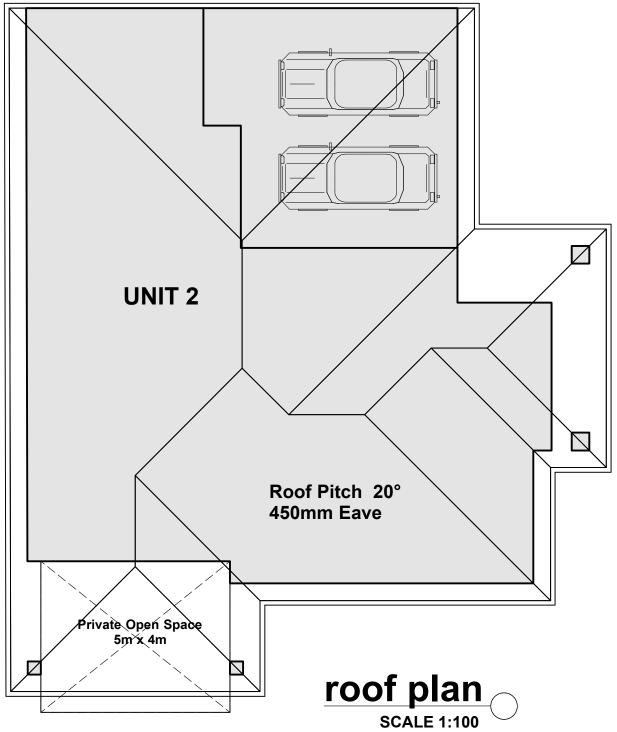
think property developments

**LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK.** 

JOB NUMBER:	20170010-PSE
DATE:	20/11/2017
ISSUE:	С
	9⊔EET 12 of 19

## **PECORP DESIGN**

### No Eave due to stormwater easement



### **RFS Bushfire Safety Authority**

A Bushfire Safety Authority as required under section 100B of the Rural Fires Act 1997 is issued by the NSW Rural Fire Service, subject to the following conditions:

#### 50. Asset Protection Zones

To provide sufficient space and maintain reduced fuel loads so as to ensure radiant heat levels of buildings are below critical limits and to prevent direct flame contact with a building, at the issue of subdivision certificate and in perpetuity, the entire property shall be managed as an inner protection area (IPA) as outlined within Section 4.1.3 and Appendix 5 of "Planning for Bush Fire Protection 2006" and the NSW Rural Fire Service's document "Standards for asset protection zones".

### 51. Water and Utilities

To provide adequate services of water for the protection of buildings during and after the passage of a bush fire, and to locate gas and electricity so as not to contribute to the risk of fire to a building, water, electricity and gas are to comply with Section 4.1.3 of "Planning for Bush Fire Protection 2006".

### 52. Design and Construction

The intent of measures is that buildings are designed and constructed to withstand the potential impacts of bush fire attack. To achieve this, the following conditions shall apply:

- (a) New construction to the roof and northeast, southeast and southwest elevations of proposed Unit 2 shall comply with Section 3 and Section 7 (BAL 29) Australian Standard AS3959-2009 "Construction of buildings in bush fire-prone areas" or NASH Standard (1.7.14 updated) "National Standard Steel Framed Construction in Bushfire Areas - 2014" as appropriate and Section A3.7 Addendum Appendix 3 of "Planning for Bush Fire Protection 2006".
- (b) New construction to the northwest elevation of proposed Unit 2 shall comply with Section 3 and Section 6 (BAL 19) Australian Standard AS3959-2009 "Construction of buildings in bush fire-prone area" or NASH Standard (1.7.14 updated) "National Standard Steel

Framed Construction in Bushfire Areas - 2014" as appropriate and Section A3.7 Addendum Appendix 3 of "Planning for Bush Fire Protection 2006".

New construction to proposed Unit 1 shall comply with Sections 3 and 5 (BAL 12.5) Australian Standard AS3959-2009 "Construction of buildings in bush fire-prone areas" or NASH Standard (1.7.14 updated) "National Standard Steel Framed Construction in Bushfire Areas - 2014" as appropriate and Section A3.7 Addendum Appendix 3 of "Planning for Bush Fire Protection 2006".

COPYRIGHT OF PECORP DESIGN.

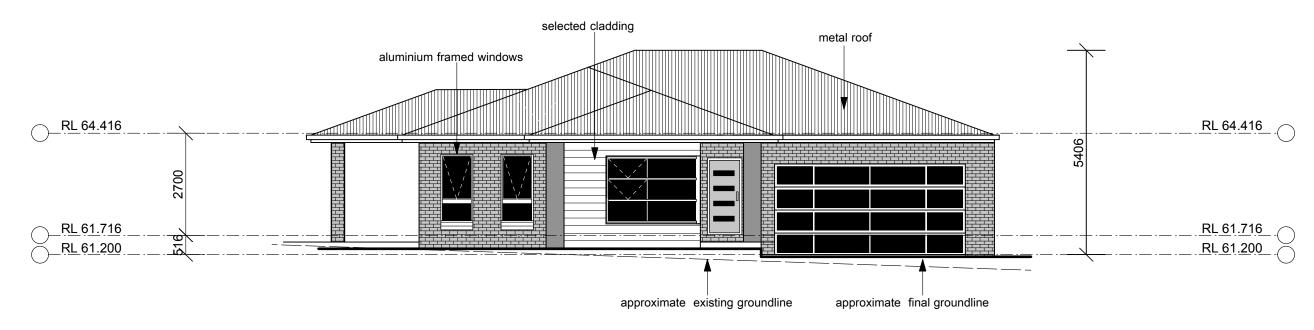
CLIENT:

think property developments **JOB ADDRESS:** 

LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, **ALBION PARK.** 

	JOB NUMBER:	20170010-PSE
	DATE:	20/11/2017
	ISSUE:	С
1		CHEET 12 of 10

## PECORP DESIGN



# southeast elevation (BAL 29) SCALE 1:100



northeast elevation
(BAL 29) SCALE 1:100

© COPYRIGHT OF PECORP DESIGN.

CLIENT:

think property
developments

JOB ADDRESS:

LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK.

JOB NUMBER:	20170010-PSE
DATE:	20/11/2017
ISSUE:	С
	CUEET 14 of 10

## **PECORP DESIGN**

CONSTRUCTION CERTIFICATE ISSUE 'C'-20/11/17



# northwest elevation (BAL 19) SCALE 1:100



# southwest elevation (BAL 29) SCALE 1:100

© COPYRIGHT OF PECORP DESIGN.

CLIENT:

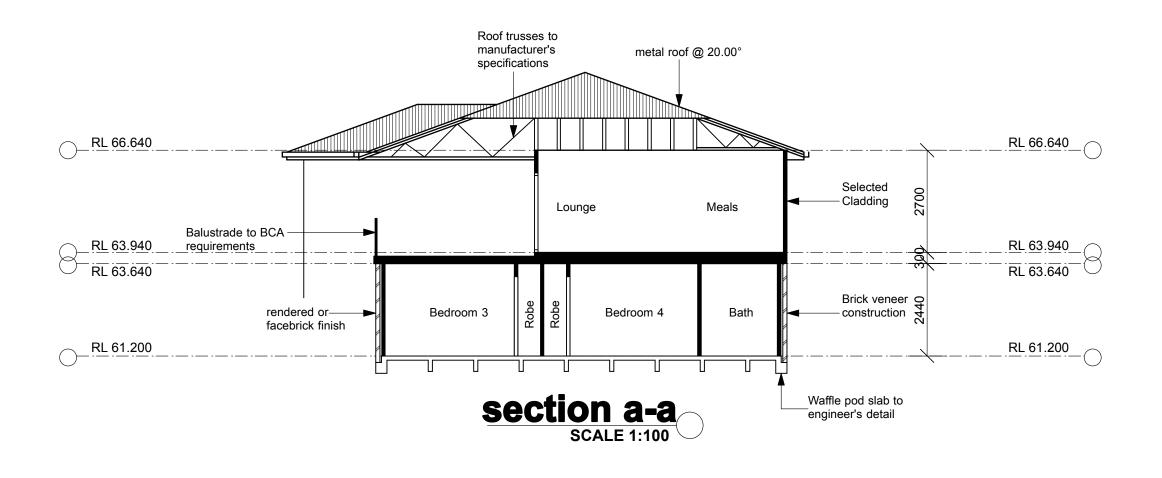
think property
developments

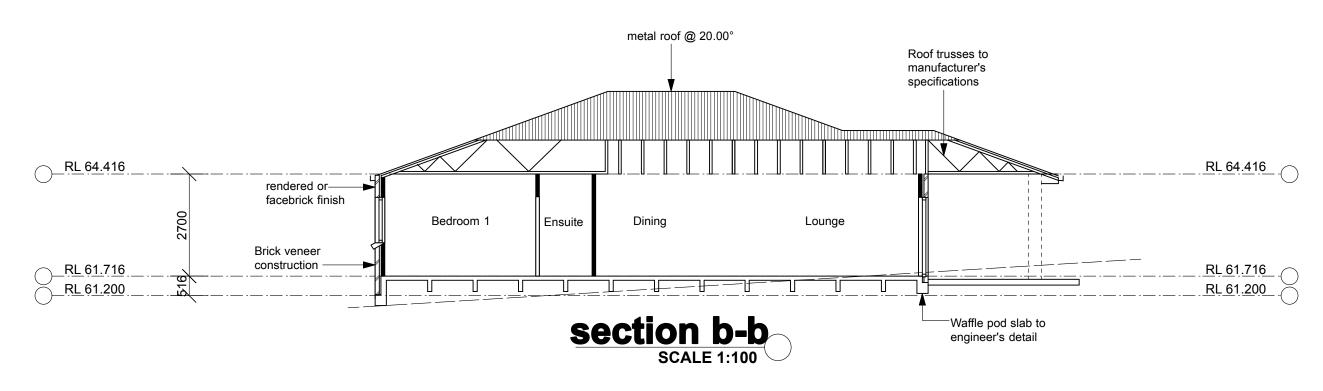
JOB ADDRESS:

LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK.

JOB NUMBER:	20170010-PSE
DATE:	20/11/2017
ISSUE:	С
	SHFFT 15 of 18

## **PECORP DESIGN**





© COPYRIGHT OF PECORP DESIGN.

CLIENT:

think property
developments

JOB ADDRESS: LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK.

JOB NUMBER:	20170010-PSE
DATE:	20/11/2017
ISSUE:	С
	SHEET 16 of 18

## PECORP DESIGN

Fascia boards & Soffits:- there are no construction requirements for fascia boards &/or soffit linings within AS3959-2009 BAL-12.5 & BAL-19 &/or Appendix 3 of Planning for Bushfire Protection (2010). Note: Joints in eave linings may be sealed with plastic joining strips. Gaps are not to exceed 3.0mm.

Fascia boards (BAL-29):- Fascia boards need to be metal or bushfire resisting timbers (See Appendix F of AS3959-2009). Metal fascia boards will need to be fixed at 450mm centre.

Soffit lining and adequate protection of the joint (BAL-29):- The soffit (or eaves lining) will need to be fibre cement with a minimum 4.5 mm thickness or bushfire-resisting timber (See Appendix F of AS3959-2009). The joint system for these linings are normally plastic and this is acceptable. Gaps are not to exceed 3.0mm.

Garage Door (BAL-12.5, 19 & 29):- The garage doors need to be non-combustible or bushfire-resisting timbers (See Appendix F of AS3959-2009). Panel lift doors shall be fitted with suitable weather strips, draught excluders, draught seals or guide tracks, as appropriate to the door type, with a maximum gap no greater than 3 mm. Roller doors shall have guide tracks with a maximum gap no greater than 3 mm and shall be fitted with a nylon brush that is in contact with the door.

Fascia boards & Soffits:- there are no construction requirements for fascia boards &/or soffit linings within AS3959-2009 BAL-12.5 & BAL-19 &/or Appendix 3 of Planning for Bushfire Protection (2010). Note: Joints in eave linings may be sealed with plastic joining strips. Gaps are not to exceed 3.0mm.

Fascia boards (BAL-29):- Fascia boards need to be metal or bushfire resisting timbers (See Appendix **F** of AS3959-2009). Metal fascia boards will need to be fixed at **450mm centre**.

Roof Vents/Penetrations (BAL-12.5, 19 & 29):- Roof penetrations, including roof lights, roof ventilators, roof-mounted evaporative cooling units, aerials, vent pipes and supports for solar collectors, shall be adequately sealed at the roof to prevent gaps greater than 3 mm. The material used to seal the penetration shall be non-combustible. Note: Vent pipes made from PVC are permitted.

Decking/Verandah (BAL-12.5, 19 & 29): - Support posts, bearers, joists & decking/trafficable surfaces to all verandahs/decks etc are required to be from non-combustible materials or fire resisting timber (as per AS3959-2009 appendix F or see 6.0 Bushfire Resisting Timbers). The timbers in the decking maybe spaced, the perimeter of the area beneath the deck must not be enclosed or access to the space beneath the deck impeded. The timber flooring/frame must be separated from the remainder of the building in a manner that will not spread fire into the building.

Seal roof and wall intersections (ALL BAL's):- The roof and wall intersections are to be adequately sealed to protect the roof space from possible ember attack (gaps not to exceed 2.0mm). There are a variety of materials that will achieve this level of performance including sarking or non-combustible mineral wool.

Sarking beneath the roof:- flame retardant sarking will need to be installed beneath the roof tiles. Sarking must have a Flammability index of not more than 5. Sarking must be installed to cover the entire roof area including the ridge & so that there are no gaps that would allow the entry of embers where the sarking meets fascias, gutters, valleys etc.

Vents in the external wall to be spark proofed (BAL-12.5 & 19):- The weep holes/vents in the external wall will need to be adequately spark proofed using corrosion resistance metal gauze screens with a maximum aperture of 2.0 mm, except where they are less than 3 mm or are located in an external wall of a subfloor space.

Vents in the external wall to be spark proofed (BAL-29):- The weep holes/vents in the external wall will need to be adequately spark proofed using corrosion resistance metal gauze screens with a maximum aperture of 2.0 mm, except where they are less than 3 mm.+

## OF BUILDING O **PPENDIX** RATING BAL AND AS3969-2009 'CONSTRUCTION S' AND SECTION A3.7 ADDENDUM AI REQUIRED PER AS CONSTRUCTED IE 23 AND AS396 S' AND EÀ ON PAGE BE BE 2 DEVELOPMENT **BUSH FIRE-PI** S AS PER NOTE

PROTECTION")

PLANNING FOR BUSH FIRE

Side Hinged doors (BAL-12.5):- The external doors will need to be protected by a tight fitting corrosion resistant metal screen door to the outside face. The screen door will need to be fitted with corrosion resistant steel, bronze or aluminium mesh with a maximum aperture of 2.0mm. *Note:* Gaps around screens are not to exceed 3.0mm when closed:

Doors are to be from non-combustible materials or a solid timber door, having a minimum thickness of 35 mm for the first 400 mm above the threshold. Where any part of the door frame is less than 400 mm from the ground or less than 400 mm above decks, carport roofs, awnings and similar elements or fittings having an angle less than 18 degrees to the horizontal and extending more than 110 mm in width from the door, that part of the door frame shall be made from bushfire resisting timbers or a non-combustible material.

Fully framed glazed doors, where the framing is made from a fire resisting timber species as specified & listed within the report or Appendix F of AS3959-2009 & any glazing within 400mm of ground level, decks, awnings &/or sills/ledges that extend more than 110mm with fall less than 180 etc will need to be from 4mm toughened glass. Weather strips, draught excluders or draught seals shall be installed at the base of all side-hung external doors.

Side Hinged doors (BAL-19):- The external doors will need to be protected by a tight fitting corrosion resistant metal screen door to the outside face. The screen door will need to be fitted with corrosion resistant steel, bronze or aluminium mesh with a maximum aperture of 2.0mm. Note: Gaps around screens are not to exceed 3.0mm when closed;

Doors & Jambs are to be from non-combustible materials or bushfire-resisting timbers;

Fully framed glazed doors, where the framing is made from a fire resisting timber species as specified & listed within the report or Appendix F of AS3959-2009 & 5mm toughened glass. Weather strips, draught excluders or draught seals shall be installed at the base of all side-hung external doors.

Side Hinged doors (BAL-29):- The external doors will need to be protected by a tight fitting corrosion resistant metal screen door to the outside face. The screen door will need to be fitted with corrosion resistant steel, bronze or aluminium mesh with a maximum aperture of 2.0mm. Note: Gaps around screens are not to exceed 3.0mm when closed;

Doors & Jambs are to be from non-combustible materials or bushfire-resisting timbers;

Fully framed glazed doors, where the framing is made from a fire resisting timber species as specified & listed within the report or Appendix F of AS3959-2009 & 6mm toughened glass. Weather strips, draught excluders or draught seals shall be installed at the base of all side-hung external doors.

External Balustrade/Handrails (BAL-12.5, 19 & 29): - Those parts of the handrails &/or balustrades less than 125 mm from any glazing or any combustible wall shall be from non-combustible materials or bushfire resisting timbers or a combination of both.

Glazed doors (BAL-12.5):- Glazed aluminium &/or bushfire resisting timber doors (i.e. glass sliding, Bi-fold doors, multi stacking sliding doors & entry pivot doors) will also need to be protected against the impact. Protective A grade glass (minimum 4 mm) will be used in the glazed doors to satisfy the requirements of the AS3959-2009. We note there is *no requirement* to provide screen doors for this development. Note: However, if screened, the screens shall comply with AS3959-2009 Clause 5.5.1A. (See Appendix F of AS3959-2009 bushfire resisting

Glazed doors (BAL 19):- Doors/frames/jambs etc shall be metal or from bushfire resisting timbers (See Appendix **F** of AS3959-2009). The doors will require all glazing to be from **5mm** toughened glass. Door shall be tight-fitting in the frames. We note there is no requirement to provide screen doors for this development. Note: However, if screened, we recommend screens comply with AS3959-2009 Clause 6.5.1A.

COPYRIGHT OF PECORP DESIGN.

CLIENT: think property

developments

**JOB ADDRESS:** 

**LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK.** 

JOB NUMBER: 20170010-PSE DATE: 20/11/2017 ISSUE: C SHEET 17 of 18

## PECORP DESIGN

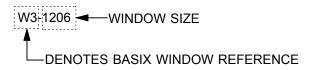
2/238 COWPER STREET WARRAWONG, 2502 M:PO BOX 47 WARRAWONG NSW 2502

P:42751999 F:42751933 E:peter@pecorpdesign.com.au

Window design (BAL-12.5):- Window frames shall be metal or from bushfire resisting timbers (See Appendix **F** of AS3959-2009) for window assemblies less than 400 mm from the ground or less than 400 mm above decks, carport roofs, awnings and similar elements or fittings, having an angle less than 18 degrees to the horizontal and extending more than 110 mm in width from the window frame. Externally fitted hardware that supports the sash in its functions of opening and closing shall be metal. The **openable** portions of **all windows** will need to be protected with aluminium, bronze or stainless steel gauze screens with a maximum aperture of 2.0 mm. Any glazing to windows within 400mm of ground level, decks, awnings &/or sills/ledges that extend more than 110mm with fall less than 180 etc will need to be from **4mm toughened glass**. *Note:* Screen can be fitted internally or externally.

<u>Window design (BAL 19</u>:- Window frames shall be metal or from bushfire resisting timbers (See Appendix **F** of AS3959-2009) for window assemblies less than 400 mm from the ground or less than 400 mm above decks, carport roofs, awnings and similar elements or fittings, having an angle less than 18 degrees to the horizontal and extending more than 110 mm in width from the window frame. Externally fitted hardware that supports the sash in its functions of opening and closing shall be metal. All glazing to be from <u>5mm toughened glass</u>. The <u>openable</u> portions of <u>all windows</u> will need to be protected with aluminium, bronze or stainless steel gauze screens with a maximum aperture of 2.0 mm.

<u>Window design (BAL 29)</u>:- Window frames shall be metal or from bushfire resisting timbers (See Appendix **F** of AS3959-2009). The windows will require all glazing to be from <u>5mm</u> <u>toughened glass</u>. Externally fitted hardware that supports the sash in its functions of opening and closing shall be metal. The <u>openable</u> portions of all <u>windows</u> are to be protected with a metal or bushfire resisting timber framed screen fitted with bronze or stainless steel gauze screens with a maximum aperture of 2.0 mm. Gaps around screens are not to exceed 3.0mm when fitted. *Note:* The openable portions of windows can be screened internally or externally.



DENOTES SMOKE DETECTOR
PERMANENTLY WIRED TO
ELECTRICITY MAINS.
(THE LOCATION OF COMPLIANT SMOKE
ALARMS MUST BE IN ACCOPRDANCE WITH
THE PROVISIOND OF PART 3.7.2 OF THE
BUILDING CODE OF AUSTRALIA).

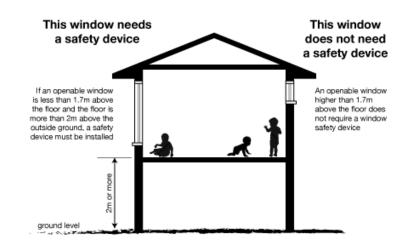
External materials (BAL-12.5, 19):- Any masonry external walls will be satisfactory. Any cladding to timber framed or steel framed wall that are within 400mm of ground level, decks, awnings &/or sills/ledges that extend more than 110mm with an angle less than 18 degrees etc will need to be from fibres-cement external cladding with a minimum of 6mm in thickness or from steel sheeting or bushfire-resisting timbers (See Appendix **F** of AS3959-2009). We recommend **all** gaps/spacings/expansion joints etc are adequately sealed with a non-combustible sealant were gaps exceed 3.0mm & wall sarking behind cladding must have a *Flammability index of not more than 5*.

External materials (BAL-29):- Any masonry external walls will be satisfactory. Any cladding to timber framed or steel framed walls will need to be from fibres-cement external cladding with a minimum of 6mm in thickness or from steel sheeting or bushfire-resisting timbers (See Appendix F of AS3959-2009). We recommend all gaps/spacings/expansion joints etc are adequately sealed with a non-combustible sealant were gaps exceed 3.0mm & wall sarking behind cladding must have a Flammability index of not more than 5.

An openable window will need a safety device installed if:

- 1. the lowest part of the window is less than 1.7m above the floor; and
- 2. the internal floor under the window is 2m or more above the outside surface.

The safety devices must be able to limit the maximum window opening to 12.5cm, must be robust, and must be childproof. Suitable window safety devices would include window locks or safety screens, but not ordinary insect screens.



© COPYRIGHT OF PECORP DESIGN.

CLIENT:

think property
developments

JOB ADDRESS:

LOT 133 IN DP 1217374, No. 10 SKARDON TERRACE, ALBION PARK.

JOB NUMBER:	20170010-PSE
DATE:	20/11/2017
ISSUE:	С
	CUEET 10 of 10

PECORP DESIGN