

**Hotel Verge, 69-71 Cimitiere St Launceston TAS 7250**

**GENERAL NOTES**

**PROJECT**

**DESIGNER**  
 CUMULUS STUDIO PTY LTD  
 CERTIFIED ARCHITECT:  
 ACCREDITATION N°: PETER WALKER  
 CC2143E  
 ARCHITECTS ADDRESS: Level 1, 60 Cameron  
 Street Launceston TAS  
 7250  
 PHONE: +61(3) 6333 0930

**LOCATION**  
 PROJECT N°: T16283  
 PROJECT NAME: Hotel Verge  
 TITLE REFERENCE: 206941/1, 206940/5,  
 67483/4, 46022/1,  
 46022/1  
 PROJECT ADDRESS: 69-71 Cimitiere St  
 Launceston TAS 7250

**SITE DETAILS**  
 BAL: N/A  
 CLIMATE ZONE: ZONE 7  
 WIND SPEED: REFER ENG  
 SOIL CLASS: REFER ENG  
 ALPINE AREA: NO  
 CORROSION: LOW

**AREA SCHEDULE**  
 TOTAL SITE AREA: **2502m<sup>2</sup>**

LEVEL 00 673.60 m<sup>2</sup>  
 LEVEL 01 1,081.95 m<sup>2</sup>  
 LEVEL 02 818.50 m<sup>2</sup>  
 LEVEL 03 818.50 m<sup>2</sup>  
 LEVEL 04 818.50 m<sup>2</sup>  
 LEVEL 05 818.50 m<sup>2</sup>

**GENERAL**

THESE DRAWINGS SHOW DESIGN INTENT AND ARE SUITABLE AS A GUIDE ONLY. DO NOT SCALE OFF THE DRAWINGS. ALL DIMENSIONS IN MILLIMETRES. DIMENSIONS OF EXISTING BUILDING ARE INDICATIVE ONLY AND SHOULD NOT BE RELIED ON - VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING ANY WORK. ALL DOCUMENTS SHALL BE READ IN CONJUNCTION WITH SPECIFICATIONS AND ANY CONSULTANTS DETAIL.

ANY DISCREPANCIES, ERRORS OR OMISSIONS SHALL BE REFERRED TO THE ARCHITECTS. DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL ISSUED BY THE ARCHITECT FOR CONSTRUCTION.

ALL WORK CARRIED OUT SHALL BE IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS, NCCS, BUILDING CODE OF AUSTRALIA, SPECIFICATIONS AND ANY LOCAL AUTHORITY BY-LAWS AND REGULATIONS.

DDA (DISABILITY DISCRIMINATION ACT) ACCESSIBLE AREAS ARE TO COMPLY WITH AS1428.1 - 2009. PRIOR TO CONSTRUCTION THE DIMENSIONS OF ROOM SIZES, DOOR SWINGS, FITTING LOCATIONS AND GRABRAILS SHOULD BE CONFIRMED TO COMPLY.

ALL WET AREAS ARE TO BE WATERPROOFED TO AS3740 2010

**MATERIALS AND FINISHES SCHEDULE**

**ROOF CLADDING:**

- R01:** LYSAGHT COLORBOND ROOF AND FLASHINGS TYPE 1.
- R02:** LYSAGHT COLORBOND ROOF AND FLASHINGS TYPE 2.
- R03:** GRAVEL / GREEN ROOF SYSTEM.

**CLADDING:**

- EC01:** SELECT FACE BRICKWORK FACADE TYPE 1.
- EC02:** SELECT FACE BRICKWORK FACADE TYPE 2.
- EC03:** SELECT FACE BRICKWORK FACADE TYPE 3.
- EC04:** LIGHT WEIGHT CLADDING TYPE 2.

**EXTERNAL FINISHES:**

- EF01:** 20mm ASPHALT TOPPING
- EF02:** 40mm NEW ASPHALT AND ROAD BASE
- EF03:** TILE/PAVER AT ENTRY

rev	date	purpose
0	01.12.2017	issued for draft planning report
1	14.12.2017	issued for draft planning report

**DA DRAWING LIST**

Set	N°	Drawing Name	Rev	Scales
DA1 Preliminaries	DA101	Cover Page	1	1:2000
DA1 Preliminaries	DA102	Location Plan	1	1:1000
DA1 Preliminaries	DA103	Site Demolition Plan	1	1:250
DA1 Preliminaries	DA104	Site Plan	1	1:250
DA1 Preliminaries	DA105	Shadow Study	1	1:2000
DA2 Plan	DA201	Ground Floor Plan	1	1:200
DA2 Plan	DA202	First Floor Plan	1	1:200
DA2 Plan	DA203	Second Floor Plan	1	1:200
DA2 Plan	DA204	Third Floor Plan	1	1:200
DA2 Plan	DA205	Fourth Floor Plan	1	1:200
DA2 Plan	DA206	Fifth Floor Plan	1	1:200
DA2 Plan	DA207	Roof Plan	1	1:200
DA3 Elevations	DA301	Height Study	1	1:800
DA3 Elevations	DA302	North East	1	1:200
DA3 Elevations	DA303	North West	1	1:200
DA3 Elevations	DA304	South East	1	1:200
DA3 Elevations	DA305	South West	1	1:200
DA3 Elevations	DA306	Street Elevations	1	1:500
DA4 Sections	DA401	Section AA	1	1:200
DA5 Room Types	DA501	Room Type	1	1:50
DA5 Room Types	DA502	Room Type	1	1:50
DA5 Room Types	DA503	Room Type	1	1:50
DA5 Room Types	DA504	Room Type	1	1:50

**LOCATION**



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accredited designer:  
 Peter Walker, CC2143E

drawn by PJ, MG checked by TH  
 reason of issue

**Development Application**

project:  
**New Construction of Hotel Verge**  
 69-71 Cimitiere St  
 Launceston  
 TAS, 7250

drawing title  
**Cover Page**  
 (Preliminaries)

print date 14/12/2017 original size A3  
 drawing n° issue

**T16283-DA101 DA**

1:1000



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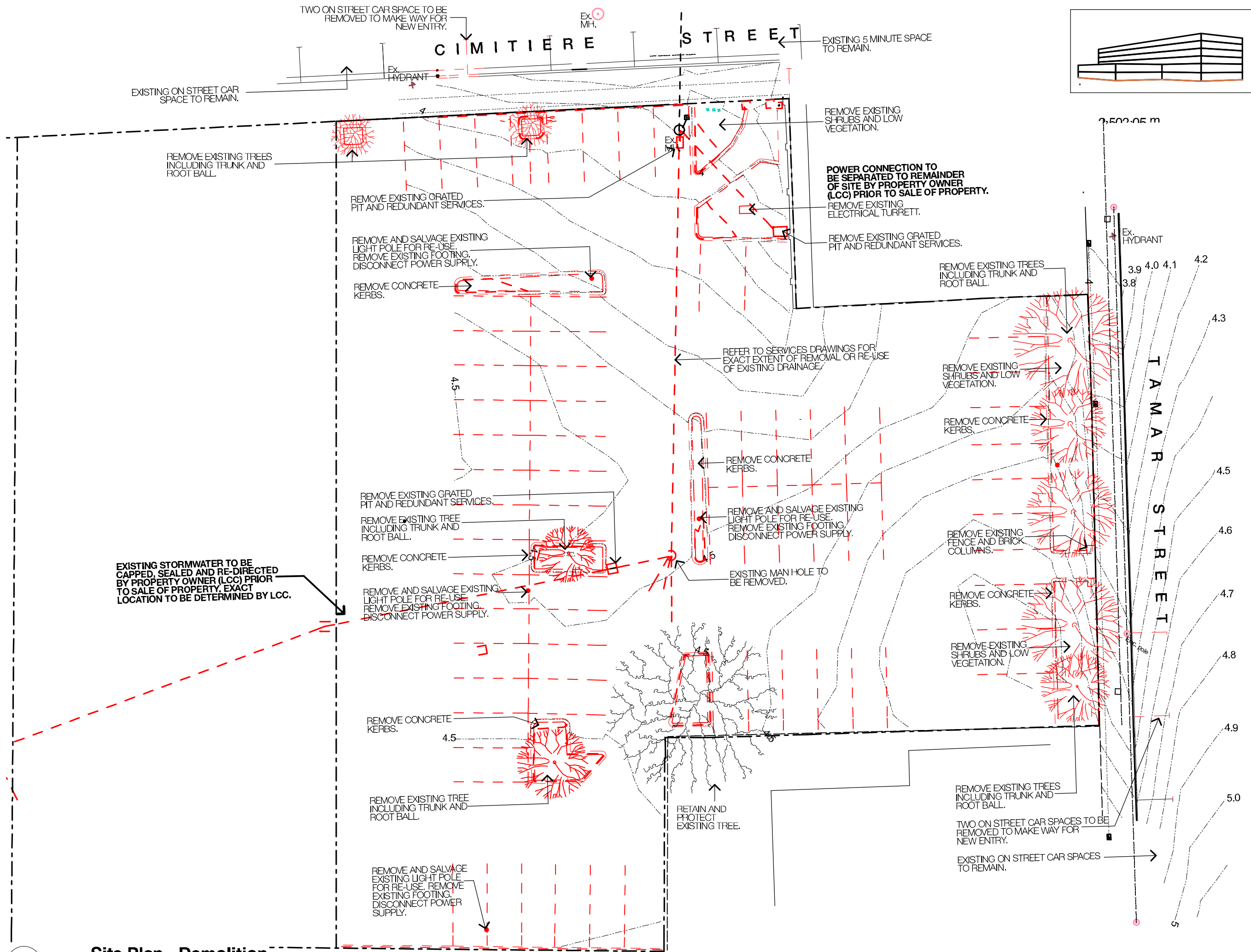
drawn by: PJ, MG      checked by: TH

reason of issue  
**Development Application**

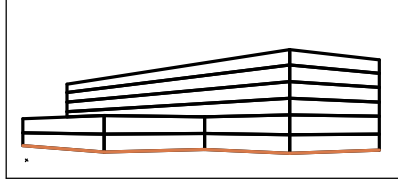
project:  
**New Construction of Hotel Verge**  
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drawing title  
**Location Plan**  
 (Preliminaries)

print date: 14/12/2017      original size: A3  
 drawing n°: T16283-DA102      issue: DA



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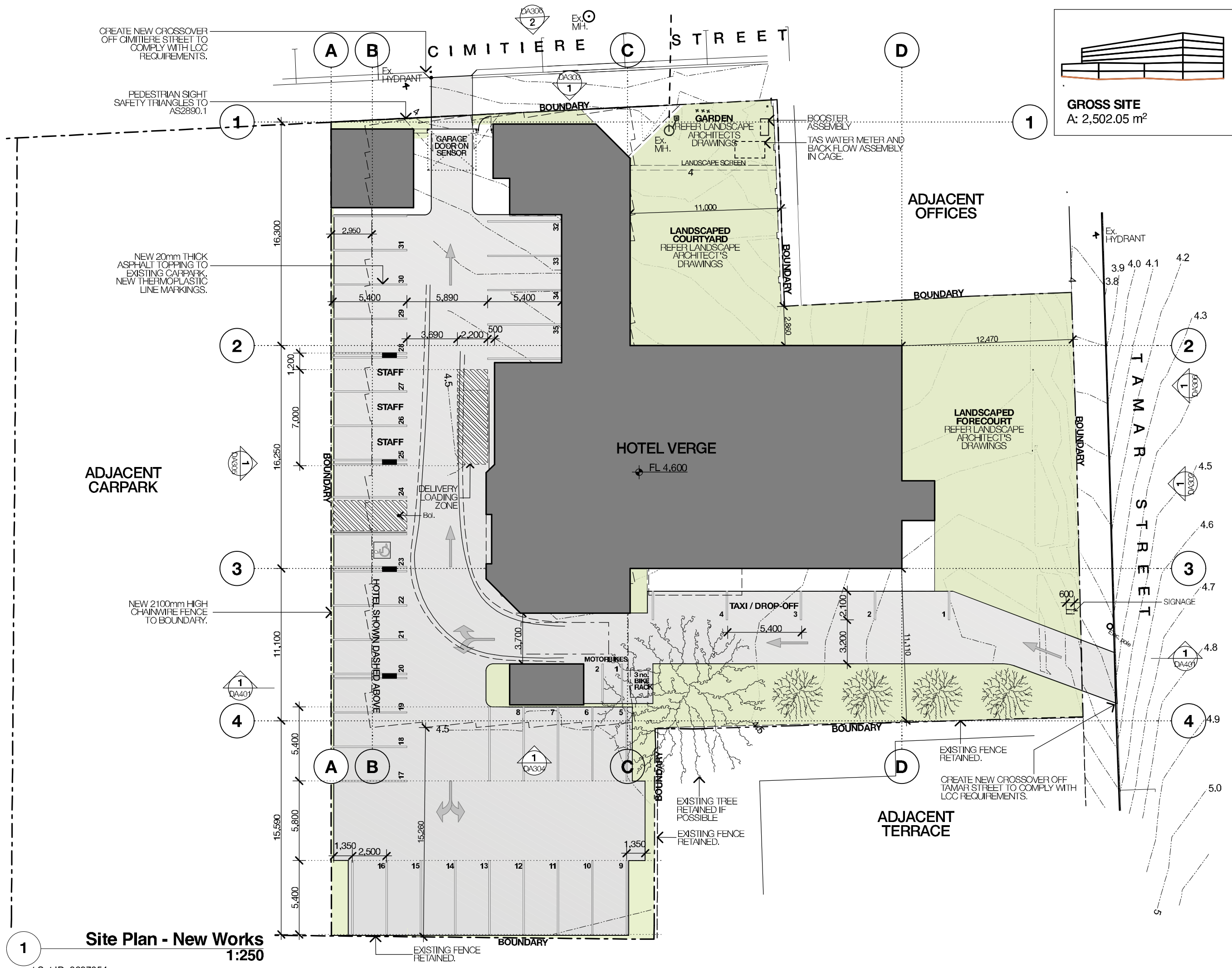
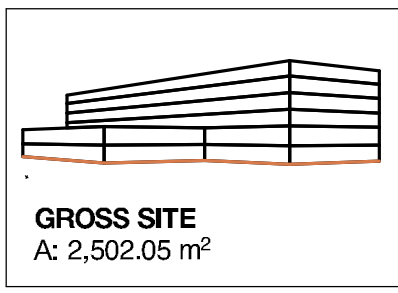
drawing title  
**Site Demolition Plan**  
 (Preliminaries)

print date  
 14/12/2017  
 drawing n°  
**T16283-DA103**

original size  
 A3  
 issue  
 DA

**1** **Site Plan - Demolition**  
 1:250

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0	01.12.2017	issued for draft planning report
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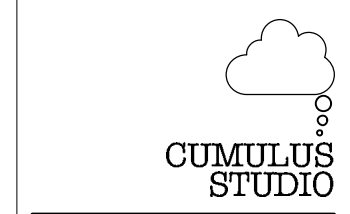


ADJACENT CARPARK

ADJACENT OFFICES

ADJACENT TERRACE

**Site Plan - New Works**  
1:250



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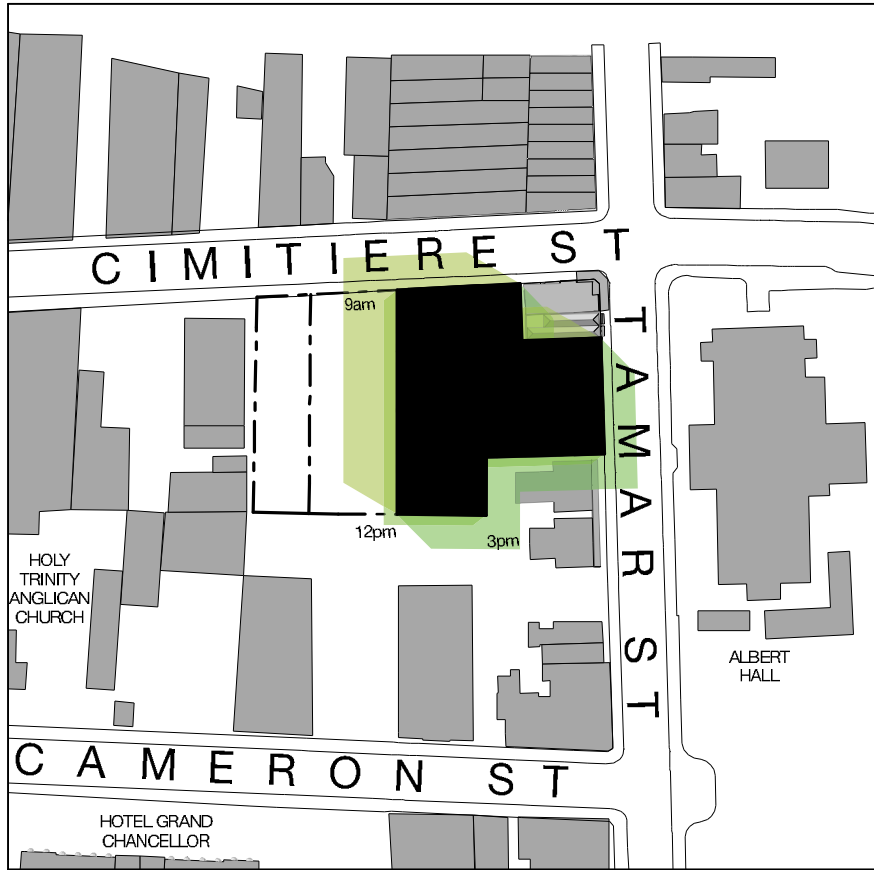
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**Development Application**

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**New Construction of Hotel Verge**  
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drawing title  
**Site Plan**  
 (Preliminaries)

print date  
 14/12/2017  
 drawing n°  
 T16283-DA104  
 original size  
 A3  
 issue  
 DA

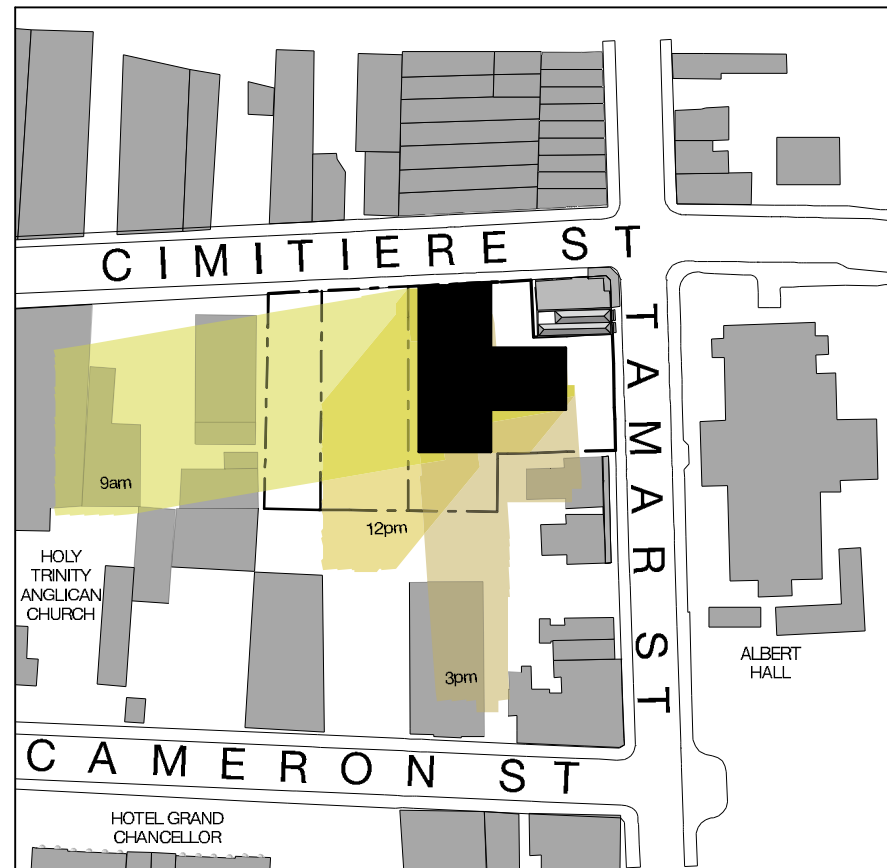
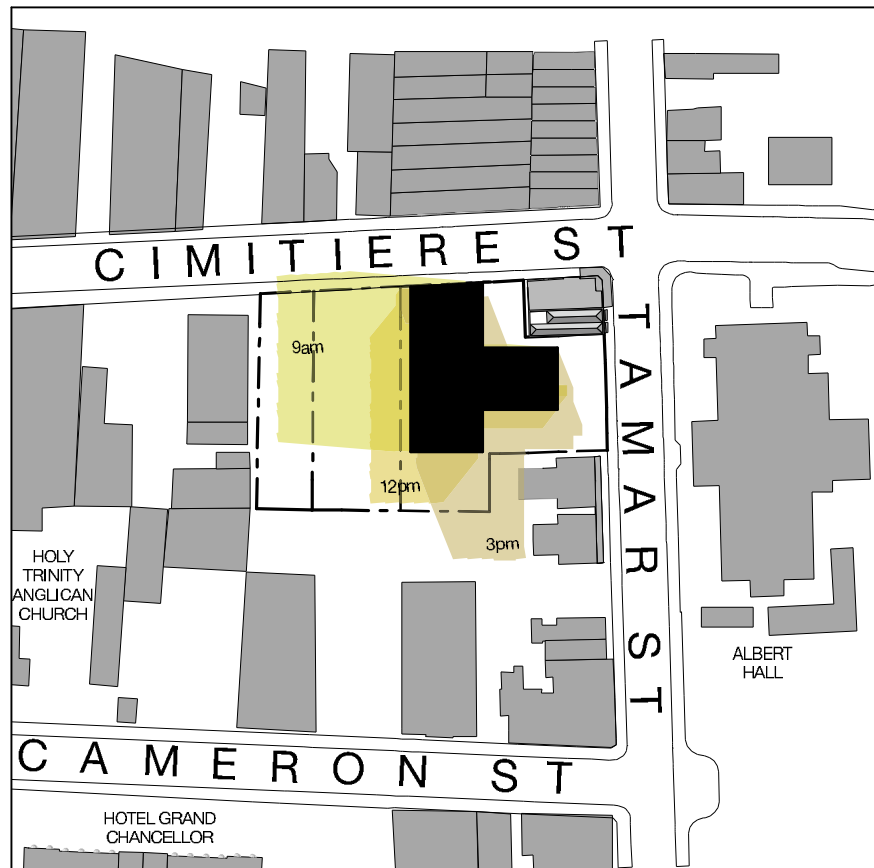
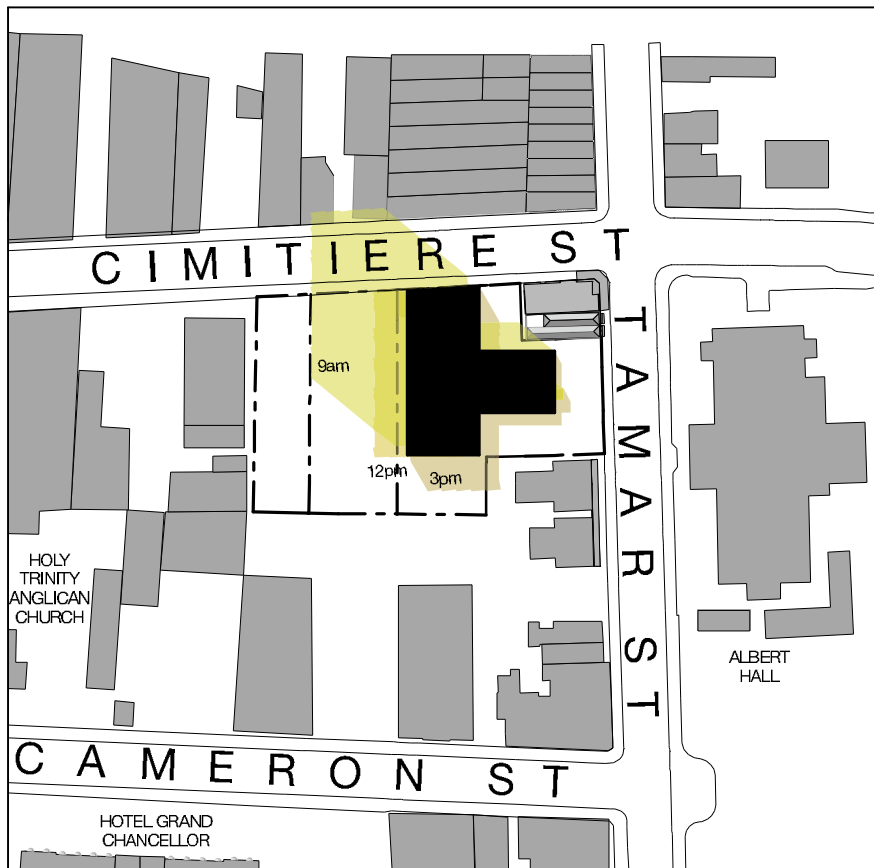




1 Permitted Site Shadow Study - December  
1:2000

2 Permitted Site Shadow Study - Equinox  
1:2000

3 Permitted Site Shadow Study - June  
1:2000



4 Proposed New Shadow Study - December  
1:2000

5 Proposed New Shadow Study - Equinox  
1:2000

6 Proposed New Shadow Study - June  
1:2000

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SITE SHADOW STUDY -  
REPRESENTS PERMITTED  
SITE ENVELOPE HEIGHT 12m

ALL SHADOWS REPRESENTED  
ON THE 22nd OF EACH MONTH.

PROPOSED NEW SHADOW  
STUDY -  
REPRESENTS ACTUAL  
PROPOSED BUILDING



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P.J. MG

checked by  
TH

reason of issue  
Development Application

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New Construction  
of  
Hotel Verge  
69-71 Cimitiere St  
Launceston  
TAS, 7250

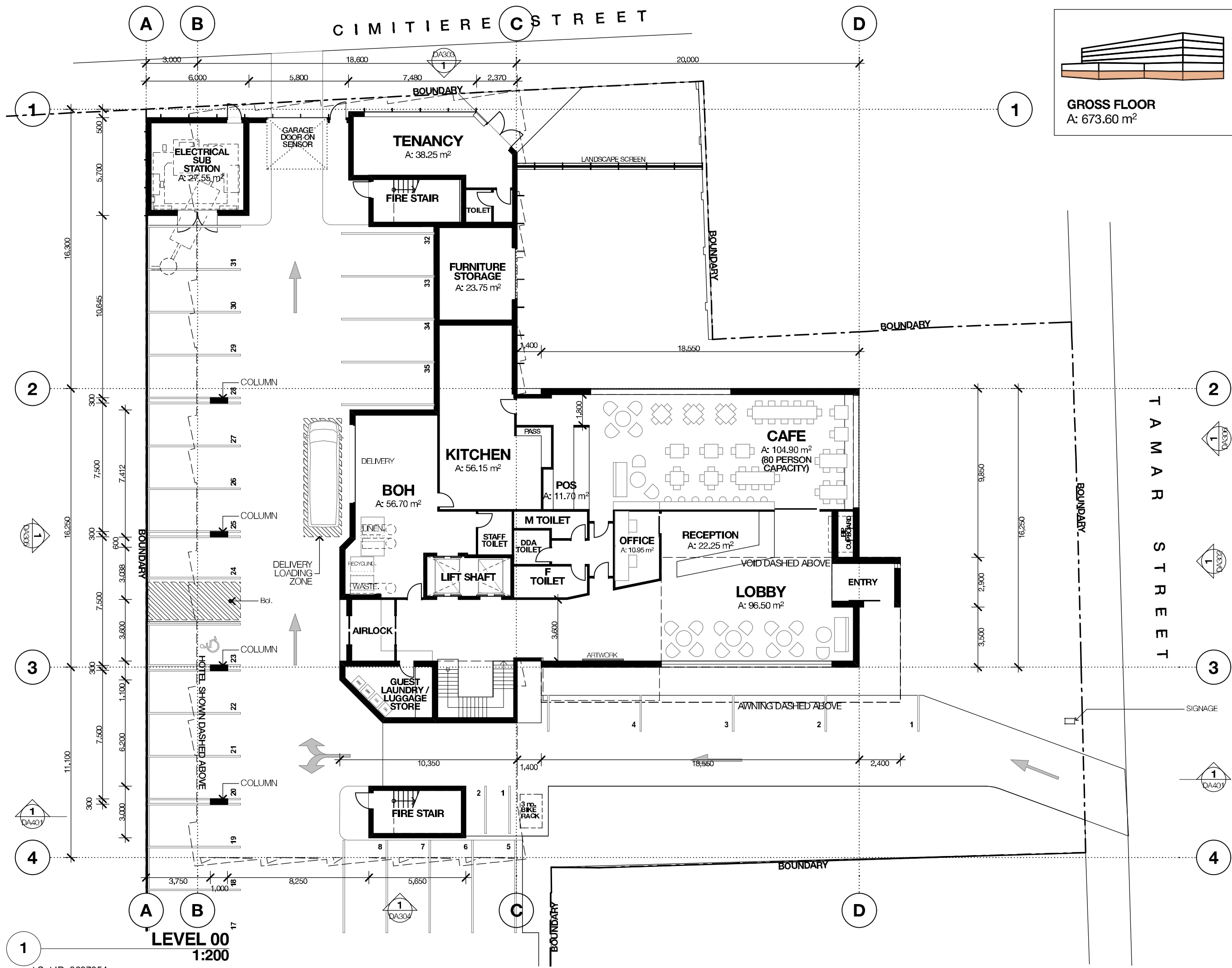
drawing title  
Shadow Study  
(Preliminaries)

print date  
14/12/2017

drawing n°  
T16283-DA105

original size  
A3

issue  
DA



**GROSS FLOOR**  
A: 673.60 m<sup>2</sup>

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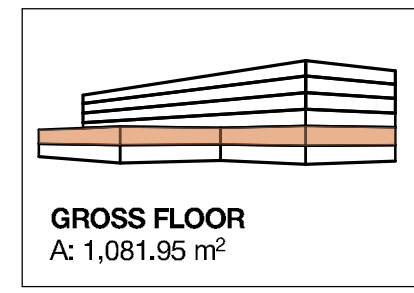
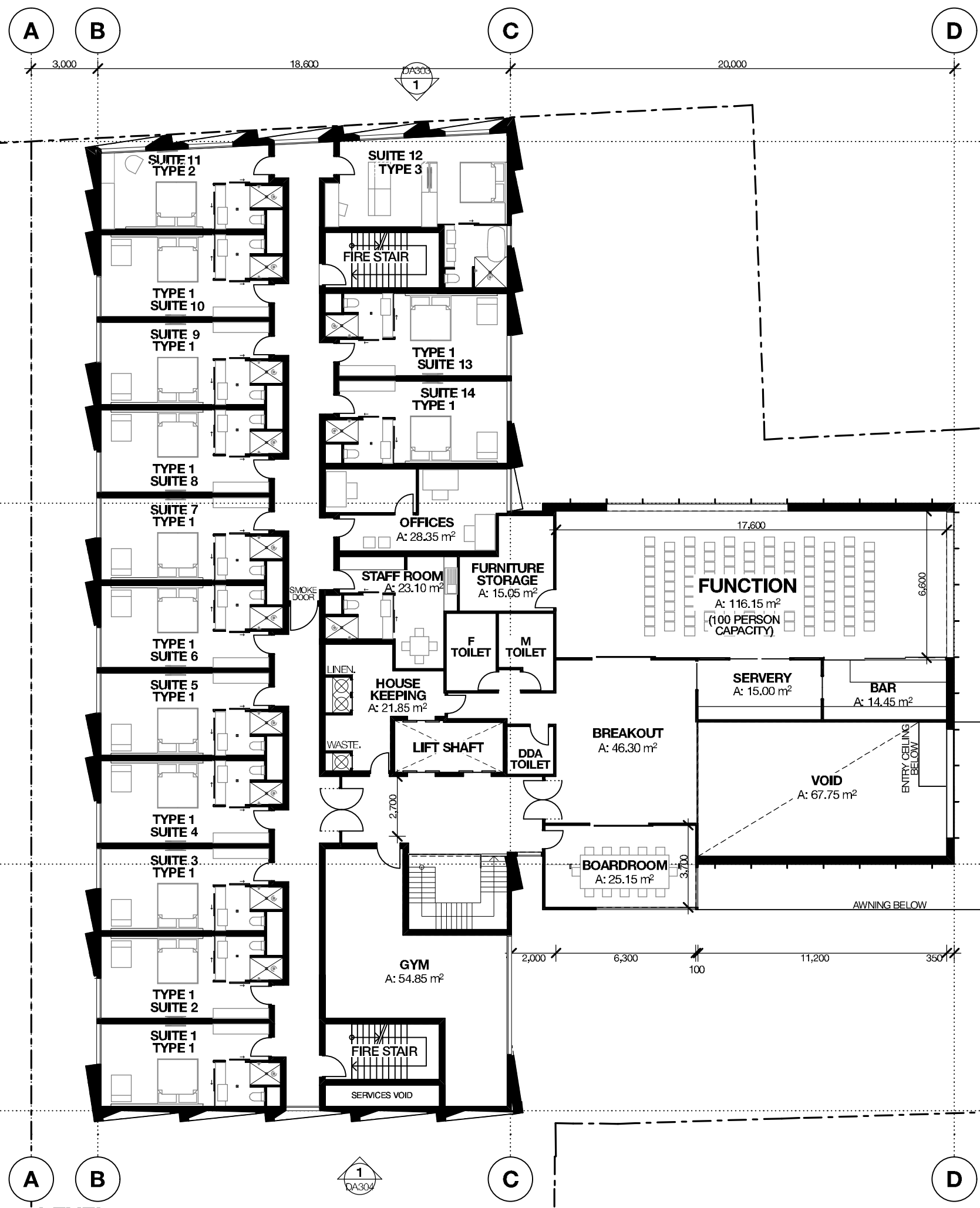
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**Development Application**

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**New Construction of Hotel Verge**  
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drawing title  
**Ground Floor Plan (Plan)**  
 print date  
 14/12/2017  
 drawing n°  
**T16283-DA201**

checked by  
 TH  
 original size  
 A3  
 issue  
 DA



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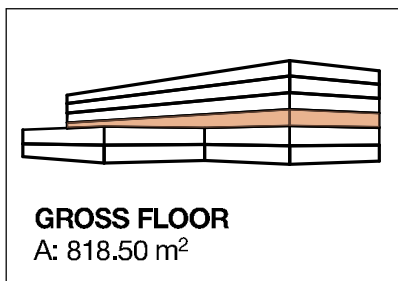
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**New Construction of Hotel Verge**  
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drawing title  
**First Floor Plan (Plan)**  
 print date  
 14/12/2017  
 drawing n°  
**T16283-DA202**  
 original size  
 A3  
 issue  
 DA



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 checked by  
 TH  
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**Development Application**

project:  
**New Construction of Hotel Verge**  
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 Launceston  
 TAS, 7250

drawing title  
**Second Floor Plan (Plan)**

print date  
 14/12/2017  
 drawing n°  
**T16283-DA203**  
 original size  
 A3  
 issue  
 DA

**LEVEL 02**  
 1:200





**GROSS FLOOR**  
A: 818.50 m<sup>2</sup>

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drawn by  
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 checked by  
 T.H  
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drawing title  
**Third Floor Plan (Plan)**  
 print date  
 14/12/2017  
 drawing n°  
**T16283-DA204**  
 original size  
 A3  
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**GROSS FLOOR**  
A: 818.50 m<sup>2</sup>

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 RJ, MG

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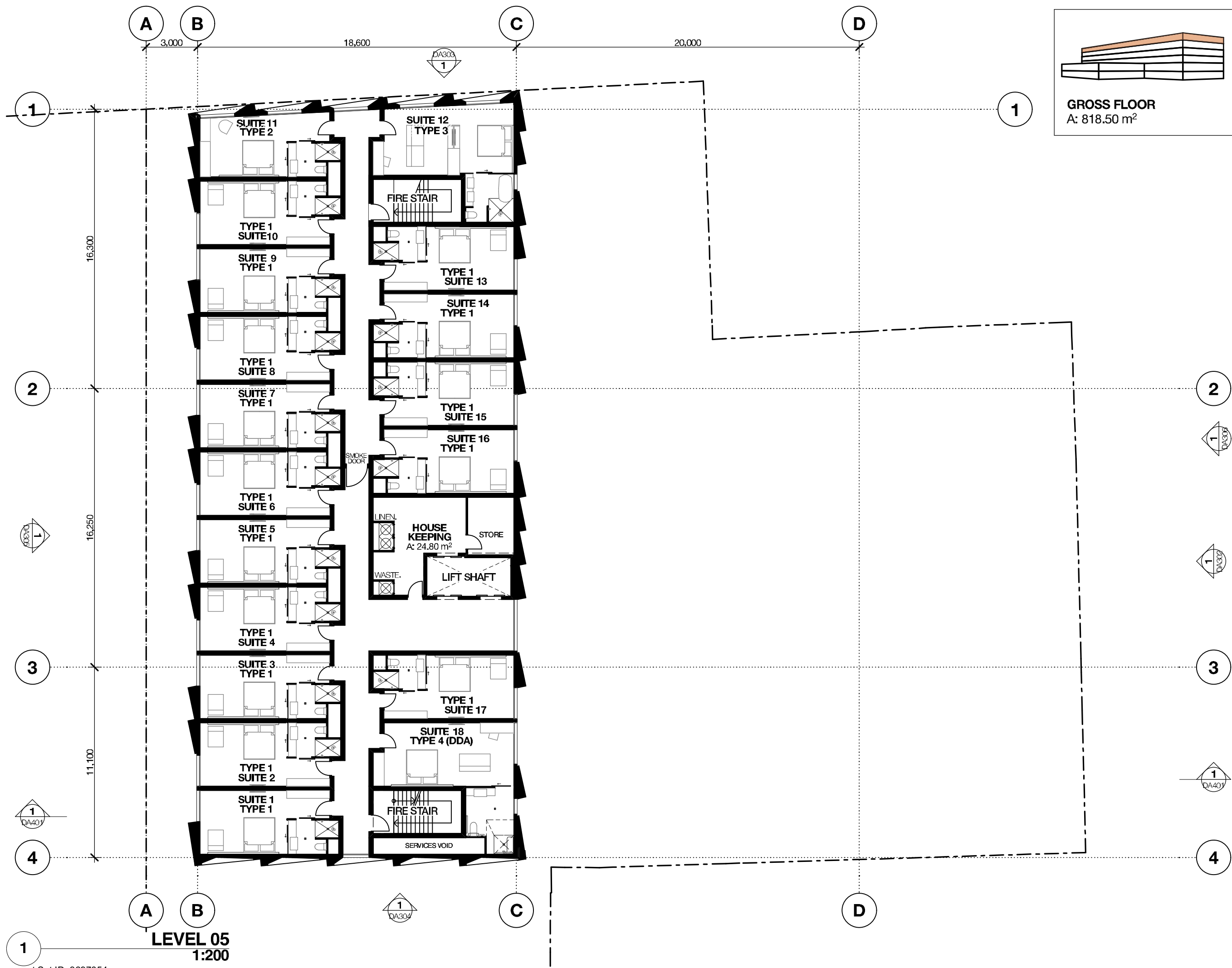
drawing title  
**Fourth Floor Plan (Plan)**

print date  
 14/12/2017

drawing n°  
**T16283-DA205**

original size  
 A3

issue  
 DA



**GROSS FLOOR**  
A: 818.50 m<sup>2</sup>

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 TAS, 7250

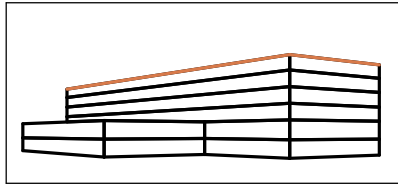
drawing title  
**Fifth Floor Plan**  
 (Plan)

print date  
 14/12/2017

drawing n°  
**T16283-DA206**

original size  
 A3

issue  
 DA



rev	date	purpose
0	01.12.2017	issued for draft planning report
1	14.12.2017	issued for draft planning report



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accredited designer:  
 Peter Walker, CC2143E

drawn by: RJ, MG      checked by: TH  
 reason of issue:  
**Development Application**

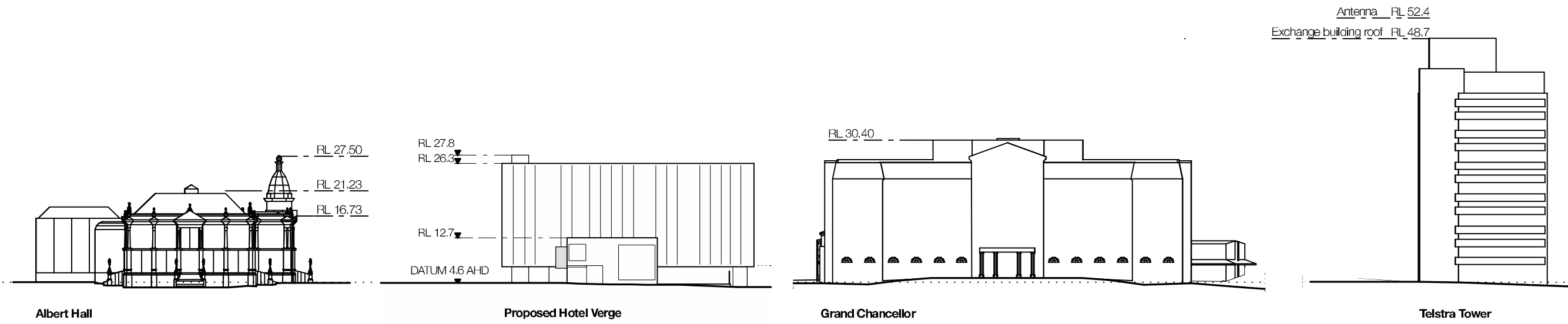
project:  
**New Construction of Hotel Verge**  
 69-71 Cimuliere St  
 Launceston  
 TAS, 7250

drawing title:  
**Roof Plan (Plan)**

print date: 14/12/2017      original size: A3  
 drawing n°: T16283-DA207      issue: DA



rev	date	purpose
0	01.12.2017	issued for draft planning report
1	14.12.2017	issued for draft planning report



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accredited designer:  
 Peter Walker, CC2143E

drawn by: R.J, MG      checked by: TH  
 reason of issue:

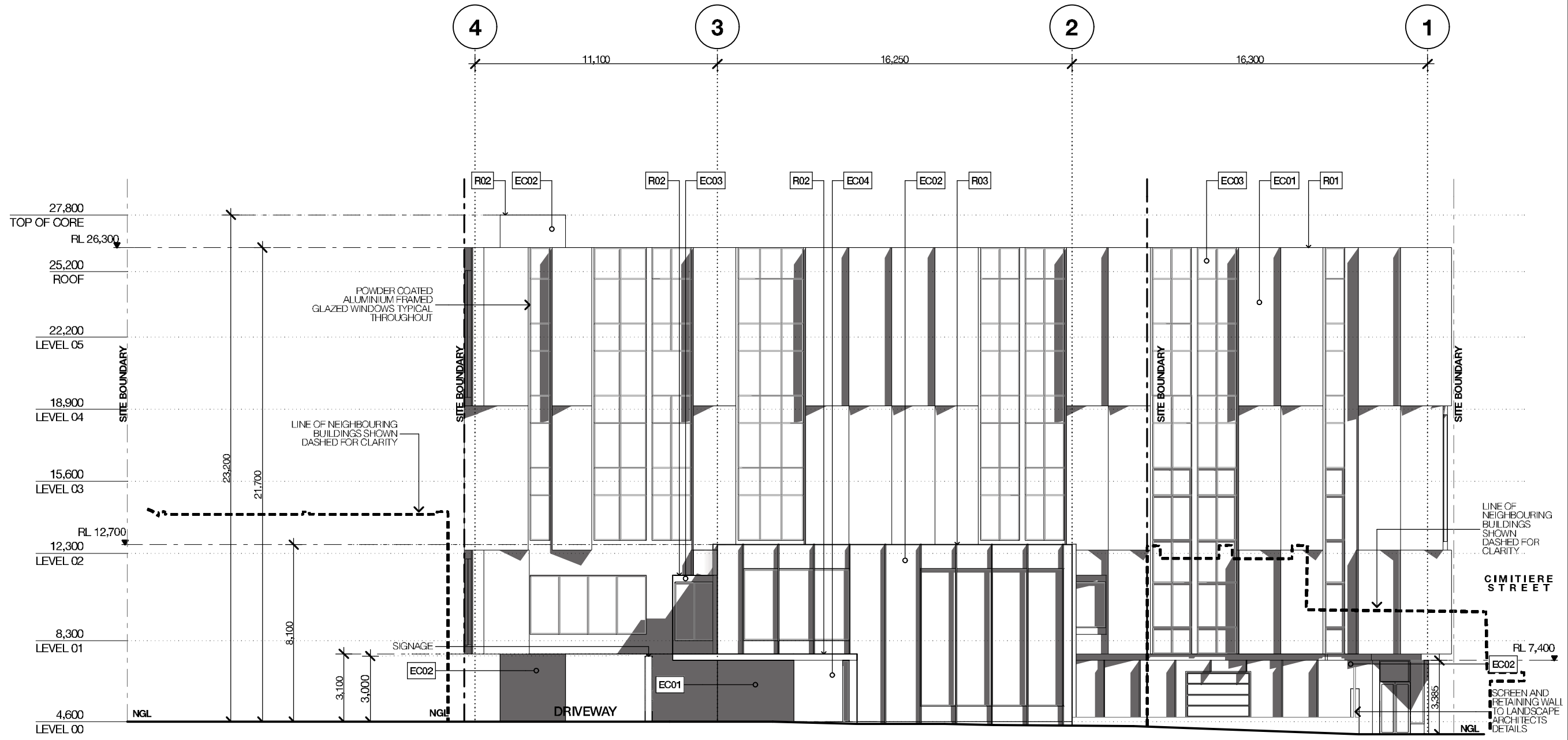
**Development Application**

project:  
**New Construction of Hotel Verge**  
 69-71 Cimillere St  
 Launceston  
 TAS, 7250

drawing title:  
**Height Study**  
 (Elevations)

print date: 14/12/2017      original size: A3  
 drawing n°: T16283-DA301      issue: DA

rev	date	purpose
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1	14.12.2017	issued for draft planning report



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accredited designer:  
 Peter Walker, CC2143E

drawn by PJ, MG checked by TH  
 reason of issue

**Development Application**

project:  
**New Construction of Hotel Verge**  
 69 71 Cimitiere St  
 Launceston  
 TAS, 7250

drawing title  
**North East**  
 (Elevations)

print date 14/12/2017 original size A3  
 drawing n° T16283-DA302 issue DA

**1** **North East**  
**1:200**

rev	date	purpose
0	01.12.2017	issued for draft planning report
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accredited designer:  
 Peter Walker, CC2143E

drawn by  
 PJ, MG  
 checked by  
 TH  
 reason of issue

**Development Application**

project:  
**New Construction of Hotel Verge**  
 69 71 Cimlere St  
 Launceston  
 TAS, 7250

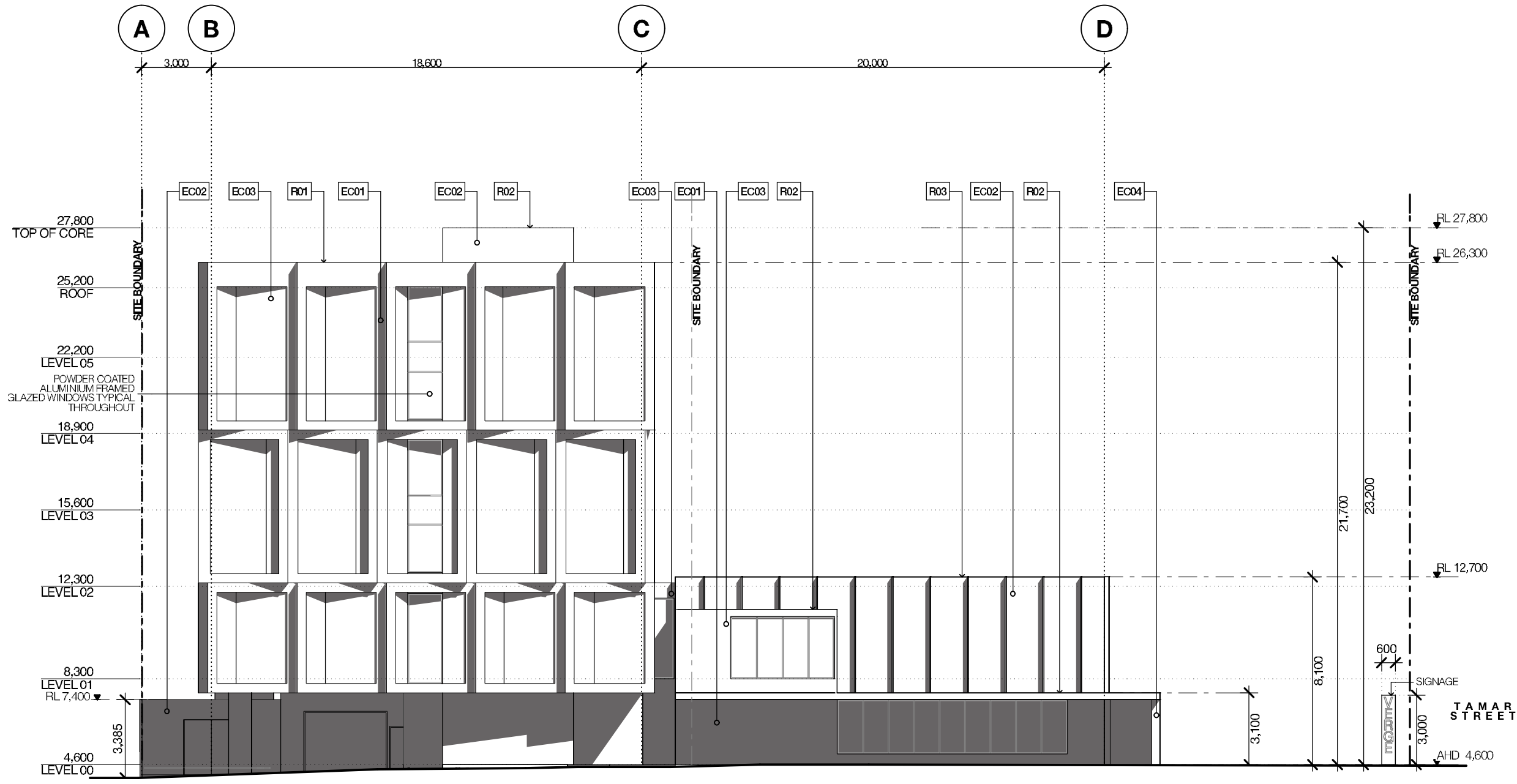
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 (Elevations)

print date  
 14/12/2017  
 drawing n°  
**T16283-DA303**

original size  
 A3  
 issue  
**DA**

**1 North West**  
**1:200**

rev	date	purpose
0	01.12.2017	issued for draft planning report
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accredited designer:  
 Peter Walker, CC2143E

drawn by PJ, MG checked by TH  
 reason of issue

**Development Application**

project:  
**New Construction of Hotel Verge**  
 69 71 Cimlere St  
 Launceston  
 TAS, 7250

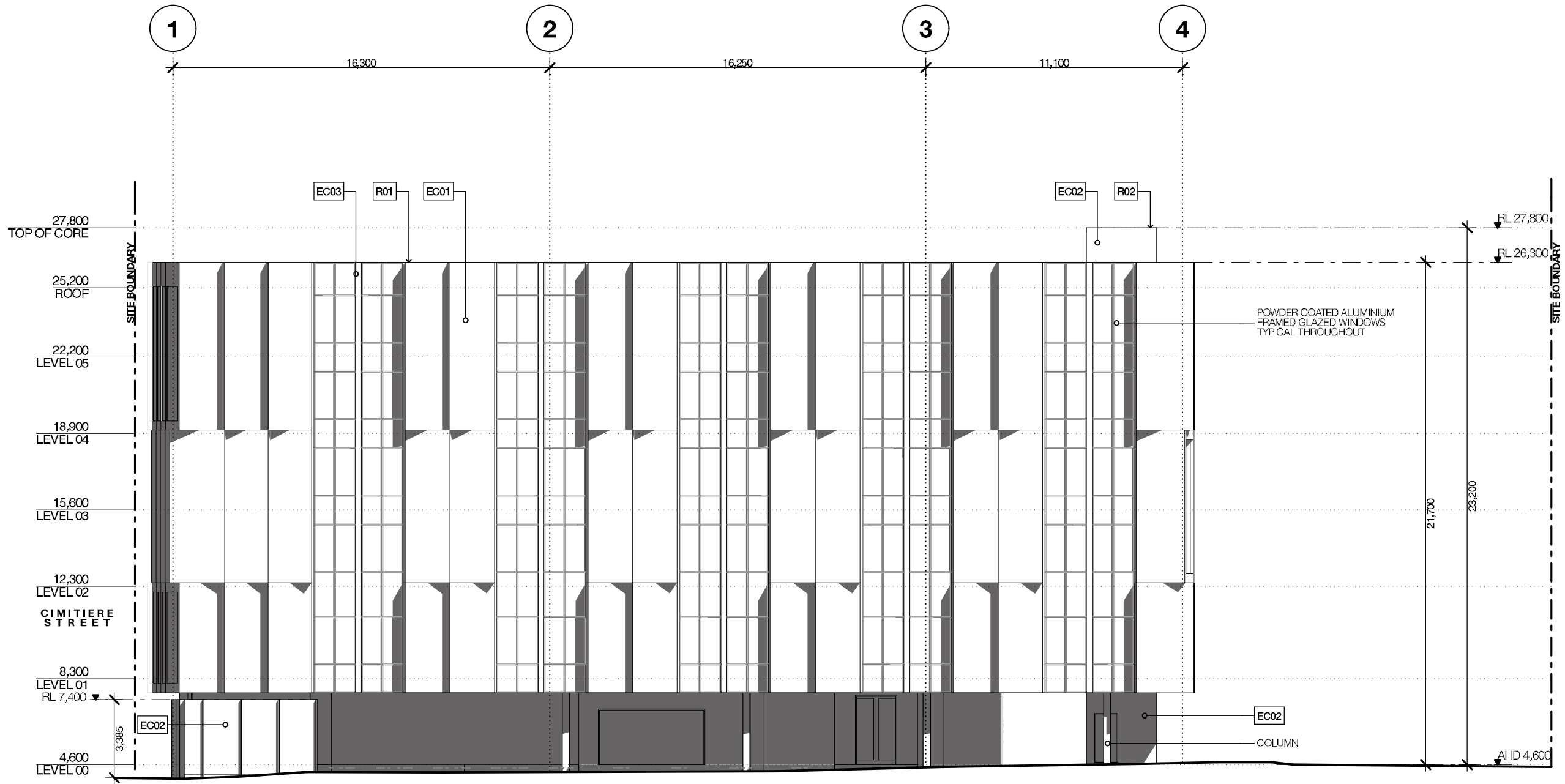
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**South East (Elevations)**

print date 14/12/2017 original size A3  
 drawing n° T16283-DA304 issue DA

**1** **South East**  
**1:200**



rev	date	purpose
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accredited designer:  
 Peter Walker, CC2143E

drawn by PJ, MG checked by TH  
 reason of issue

**Development Application**

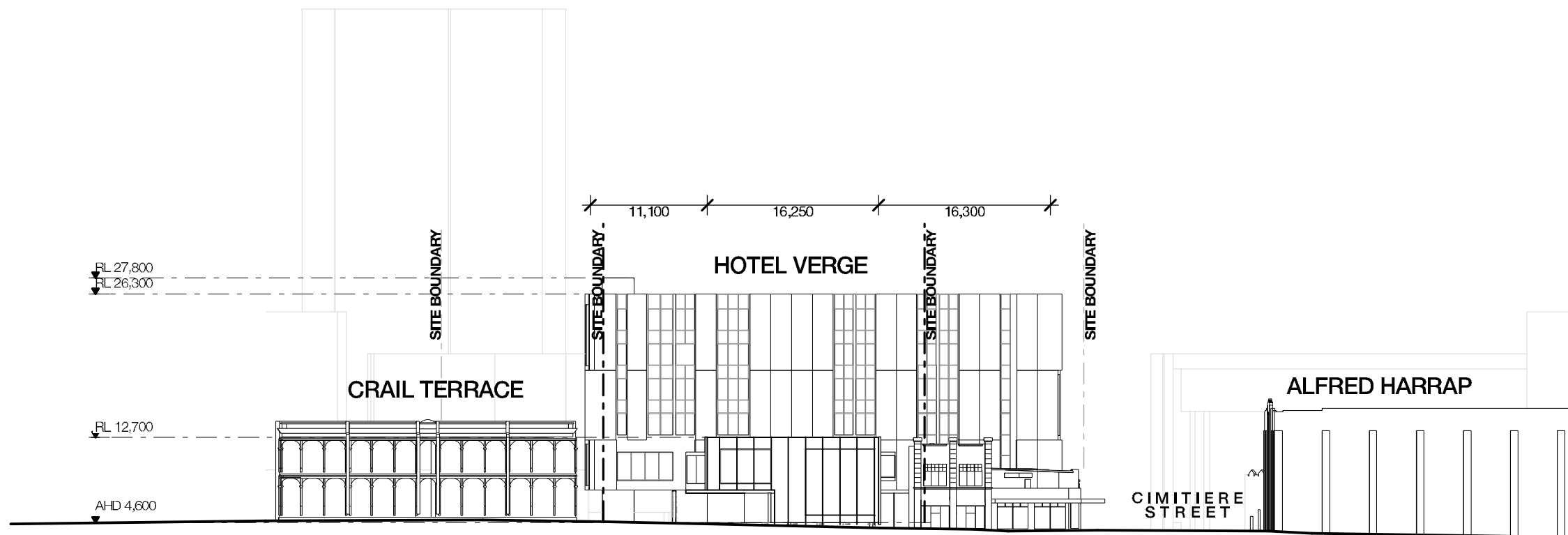
project:  
**New Construction of Hotel Verge**  
 69-71 Cimitiere St  
 Launceston  
 TAS, 7250

drawing title  
**South West**  
 (Elevations)

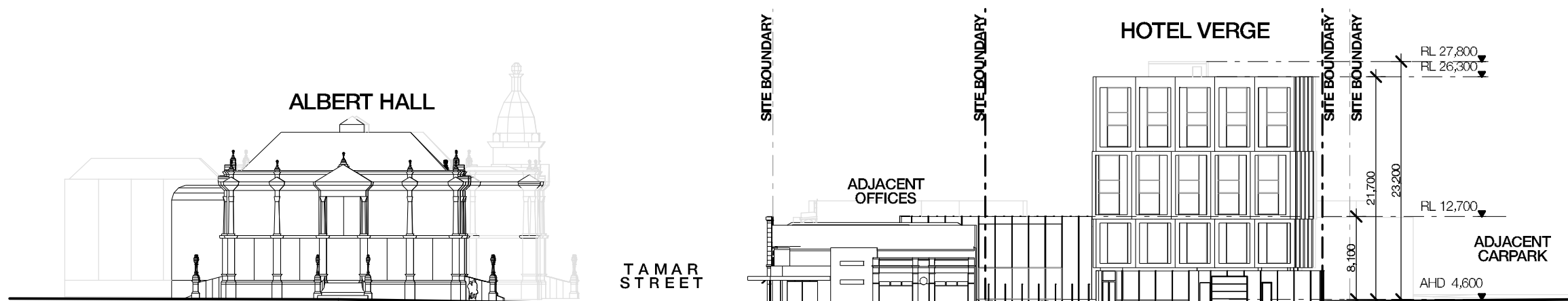
print date 14/12/2017 original size A3  
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rev	date	purpose
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1	14.12.2017	issued for draft planning report



1 Tamar Street  
1:500



2 Cimitiere Street  
1:500



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accredited designer:  
 Peter Walker, CC2143E

drawn by PJ, MG checked by TH  
 reason of issue

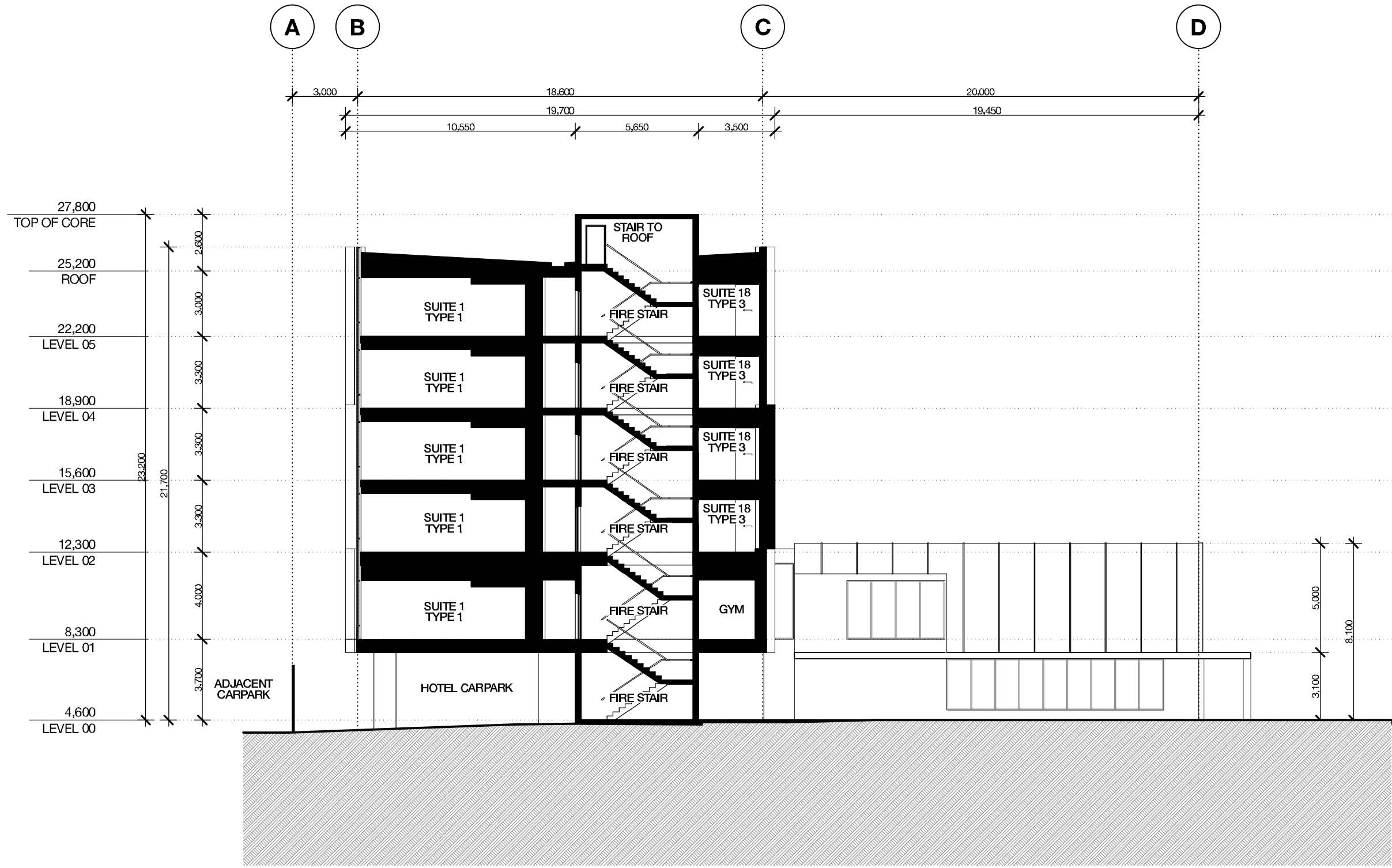
**Development Application**

project:  
**New Construction of Hotel Verge**  
 69-71 Cimitiere St  
 Launceston  
 TAS, 7250

drawing title  
**Street Elevations**  
 (Elevations)

print date 14/12/2017 original size A3  
 drawing n° T16283-DA306 issue DA

rev	date	purpose
0	01.12.2017	issued for draft planning report
1	14.12.2017	issued for draft planning report



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accredited designer:  
 Peter Walker, CC2143E

drawn by  
 PJ, MG  
 checked by  
 TH  
 reason of issue

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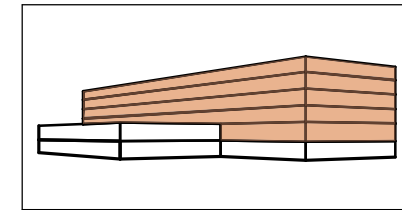
project:  
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drawing title  
**Section AA**  
 (Sections)

print date  
 14/12/2017  
 drawing n°  
**T16283-DA401**

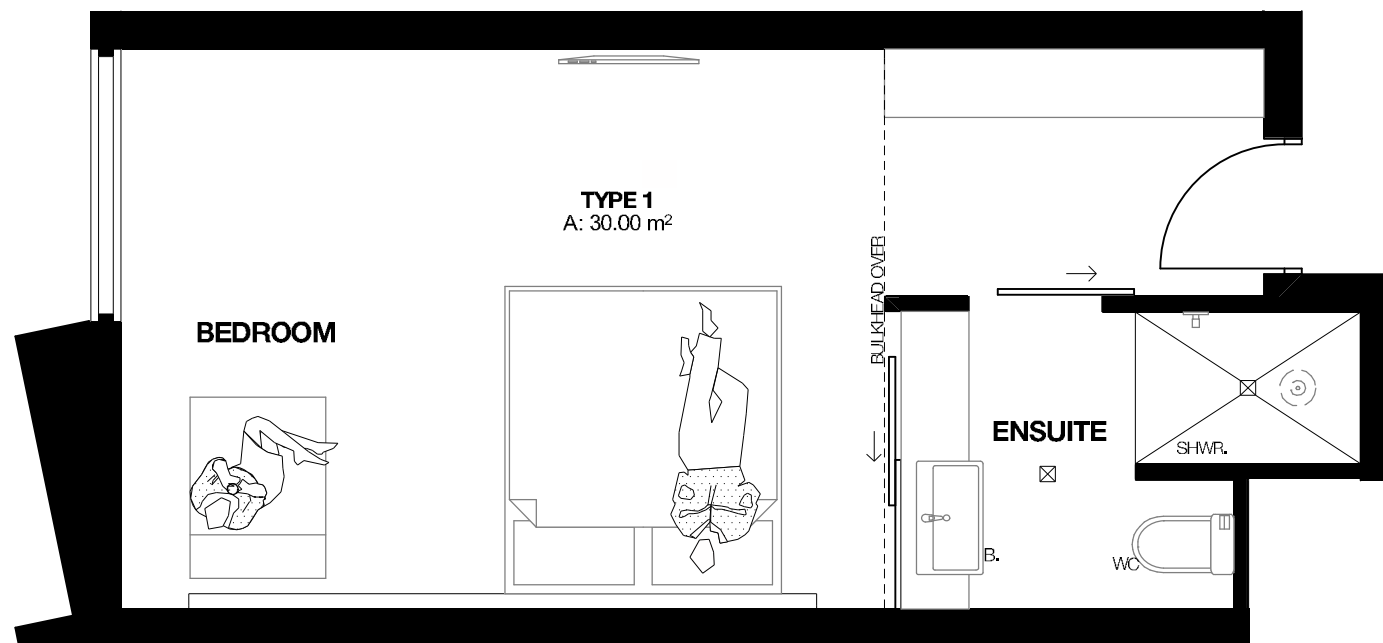
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**DA**

**1 SECTION 1-1**  
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rev	date	purpose
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1	14.12.2017	issued for draft planning report

SUITE SCHEDULE					
	TYPE 01 TYPICAL SUITE	TYPE 02 PREMIUM SUITE 1	TYPE 03 PREMIUM SUITE 2	TYPE 04 DDA SUITE	
LEVEL 05 (FIFTH FLOOR)	15	1	1	1	
LEVEL 04 (FOURTH FLOOR)	15	1	1	1	
LEVEL 03 (THIRD FLOOR)	15	1	1	1	
LEVEL 02 (SECOND FLOOR)	15	1	1	1	
LEVEL 01 (FIRST FLOOR)	12	1	1	0	
LEVEL 00 (GROUND FLOOR)	0	0	0	0	
<b>TOTAL</b>	<b>72</b>	<b>5</b>	<b>5</b>	<b>4</b>	<b>86</b>



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accredited designer:  
 Peter Walker, CC2143E

drawn by  
 P.J, M.G  
 checked by  
 T.H  
 reason of issue  
**Development Application**

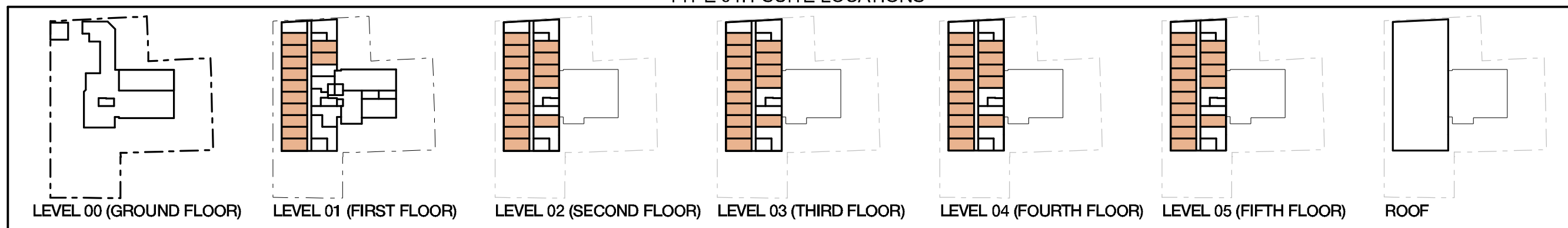
project:  
**New Construction of Hotel Verge**  
 69-71 Cornhill St  
 Launceston  
 TAS, 7250

drawing title  
**Room Type**  
 (Room Types)

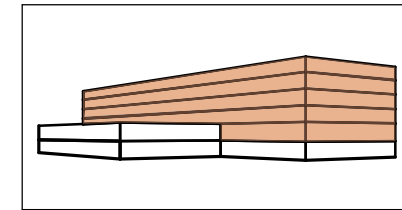
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 14/12/2017  
 drawing n°  
**T16283-DA501**  
 original size  
 A3  
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**DA**

**1** TYPE 1 - TYPICAL SUITE  
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TYPE 01.1 SUITE LOCATIONS

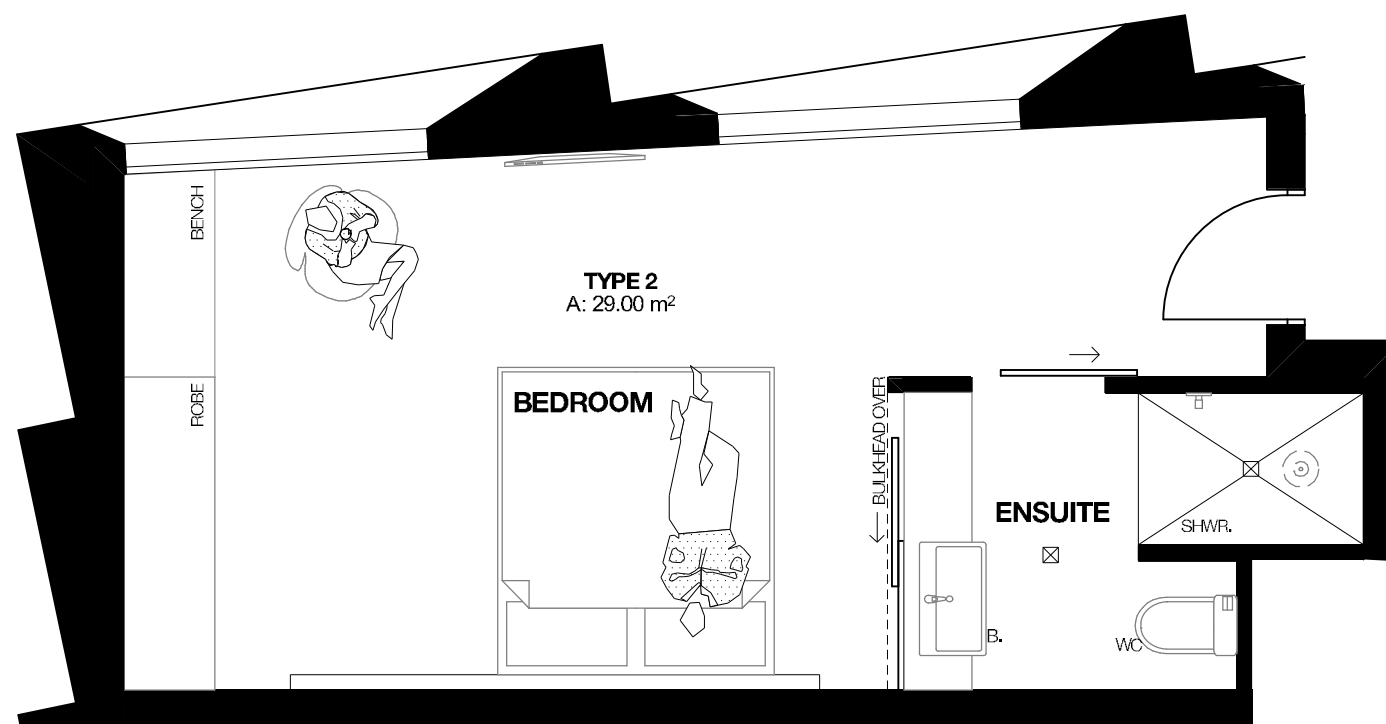






rev	date	purpose
0	01.12.2017	issued for draft planning report
1	14.12.2017	issued for draft planning report

SUITE SCHEDULE					
	TYPE 01 TYPICAL SUITE	TYPE 02 PREMIUM SUITE 1	TYPE 03 PREMIUM SUITE 2	TYPE 04 DDA SUITE	
LEVEL 05 (FIFTH FLOOR)	15	1	1	1	
LEVEL 04 (FOURTH FLOOR)	15	1	1	1	
LEVEL 03 (THIRD FLOOR)	15	1	1	1	
LEVEL 02 (SECOND FLOOR)	15	1	1	1	
LEVEL 01 (FIRST FLOOR)	12	1	1	0	
LEVEL 00 (GROUND FLOOR)	0	0	0	0	
<b>TOTAL</b>	<b>72</b>	<b>5</b>	<b>5</b>	<b>4</b>	<b>TOTAL ROOMS 86</b>



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accredited designer:  
 Peter Walker, CC2143E

drawn by  
 P.J. MG

checked by  
 TH

reason of issue  
**Development Application**

project:  
**New Construction  
 of  
 Hotel Verge**  
 69-71 Cornhill St  
 Launceston  
 TAS, 7250

drawing title  
**Room Type**  
 (Room Types)

print date  
 14/12/2017

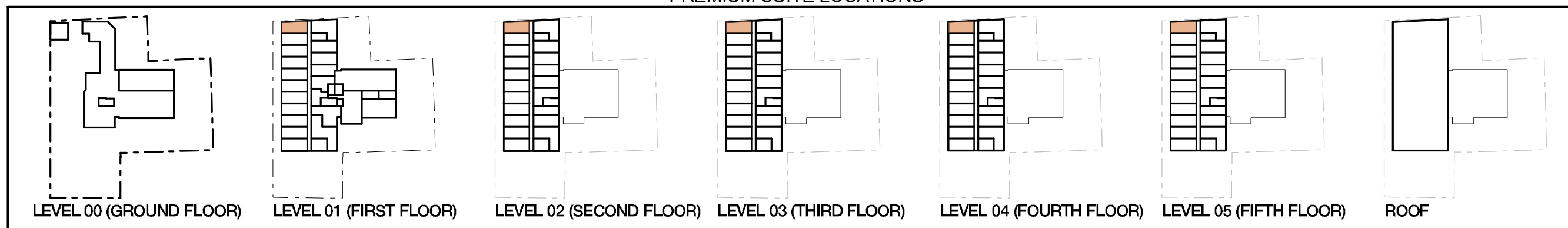
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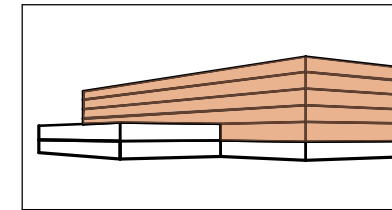
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**T16283-DA502**

issue  
**DA**

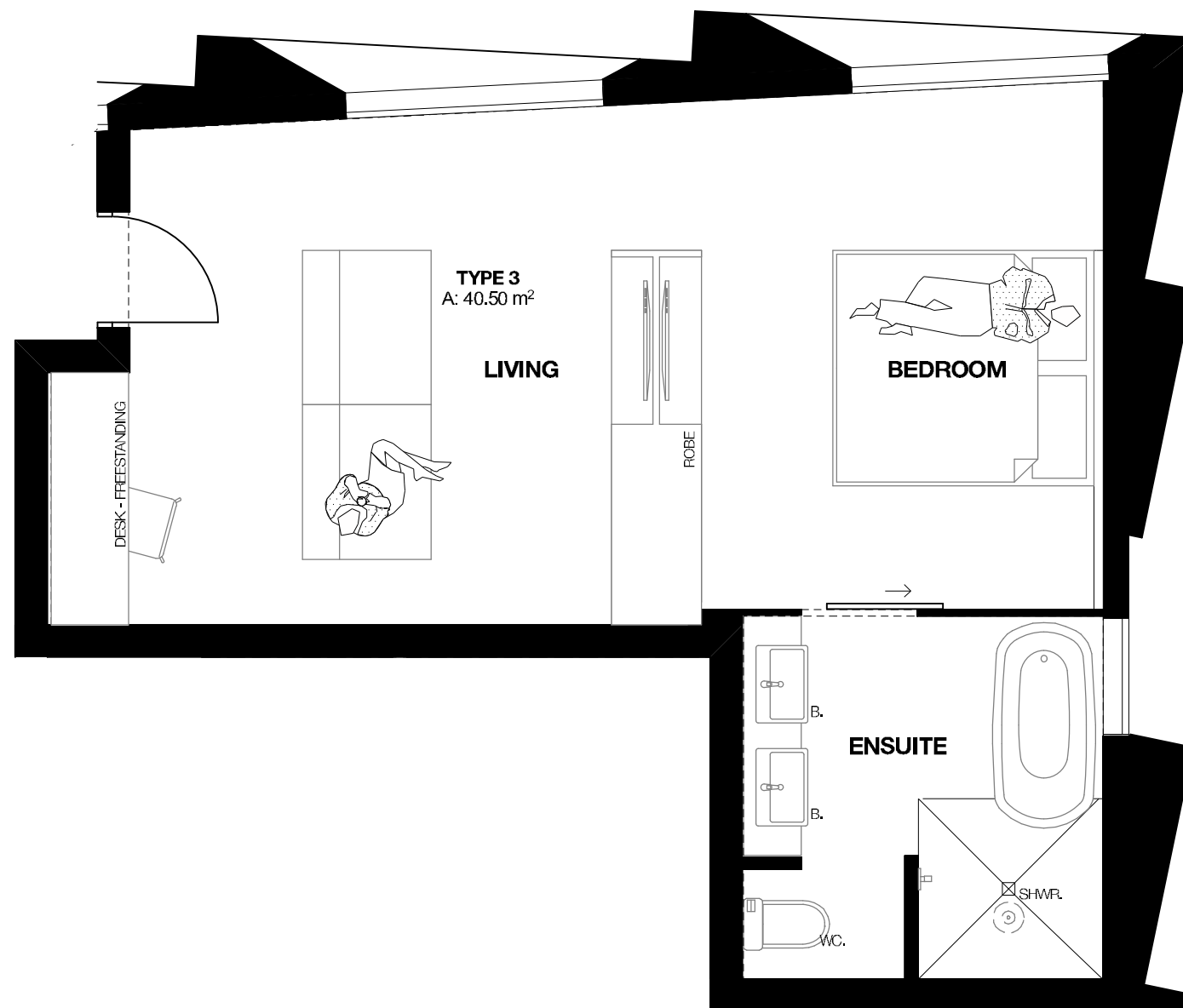
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**PREMIUM SUITE LOCATIONS**





rev	date	purpose
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1	14.12.2017	issued for draft planning report



	TYPE 01 TYPICAL SUITE	TYPE 02 PREMIUM SUITE 1	TYPE 03 PREMIUM SUITE 2	TYPE 04 DDA SUITE	
LEVEL 05 (FIFTH FLOOR)	15	1	1	1	
LEVEL 04 (FOURTH FLOOR)	15	1	1	1	
LEVEL 03 (THIRD FLOOR)	15	1	1	1	
LEVEL 02 (SECOND FLOOR)	15	1	1	1	
LEVEL 01 (FIRST FLOOR)	12	1	1	0	
LEVEL 00 (GROUND FLOOR)	0	0	0	0	
<b>TOTAL</b>	<b>72</b>	<b>5</b>	<b>5</b>	<b>4</b>	<b>TOTAL ROOMS 86</b>



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accredited designer:  
 Peter Walker, CC2143E

drawn by  
 PJ, MG

checked by  
 TH

reason of issue  
**Development Application**

project:  
**New Construction  
 of  
 Hotel Verge**  
 69-71 Cimitiere St  
 Launceston  
 TAS, 7250

drawing title  
**Room Type**  
 (Room Types)

print date  
 14/12/2017

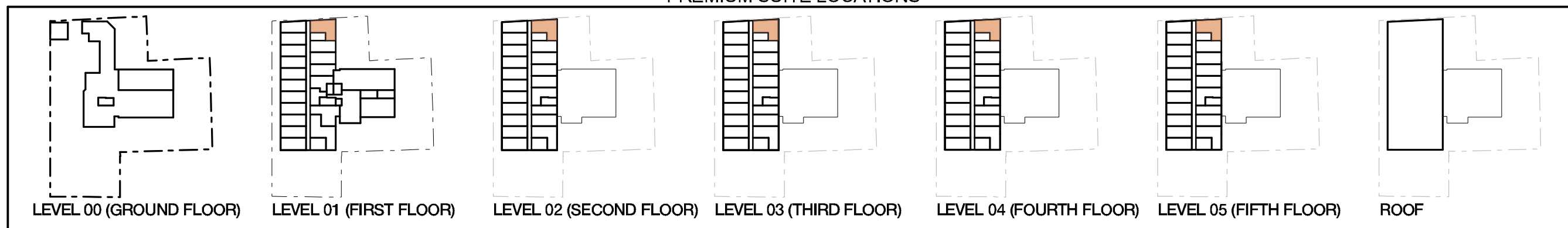
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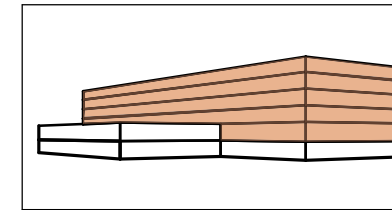
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**T16283-DA503**

issue  
**DA**

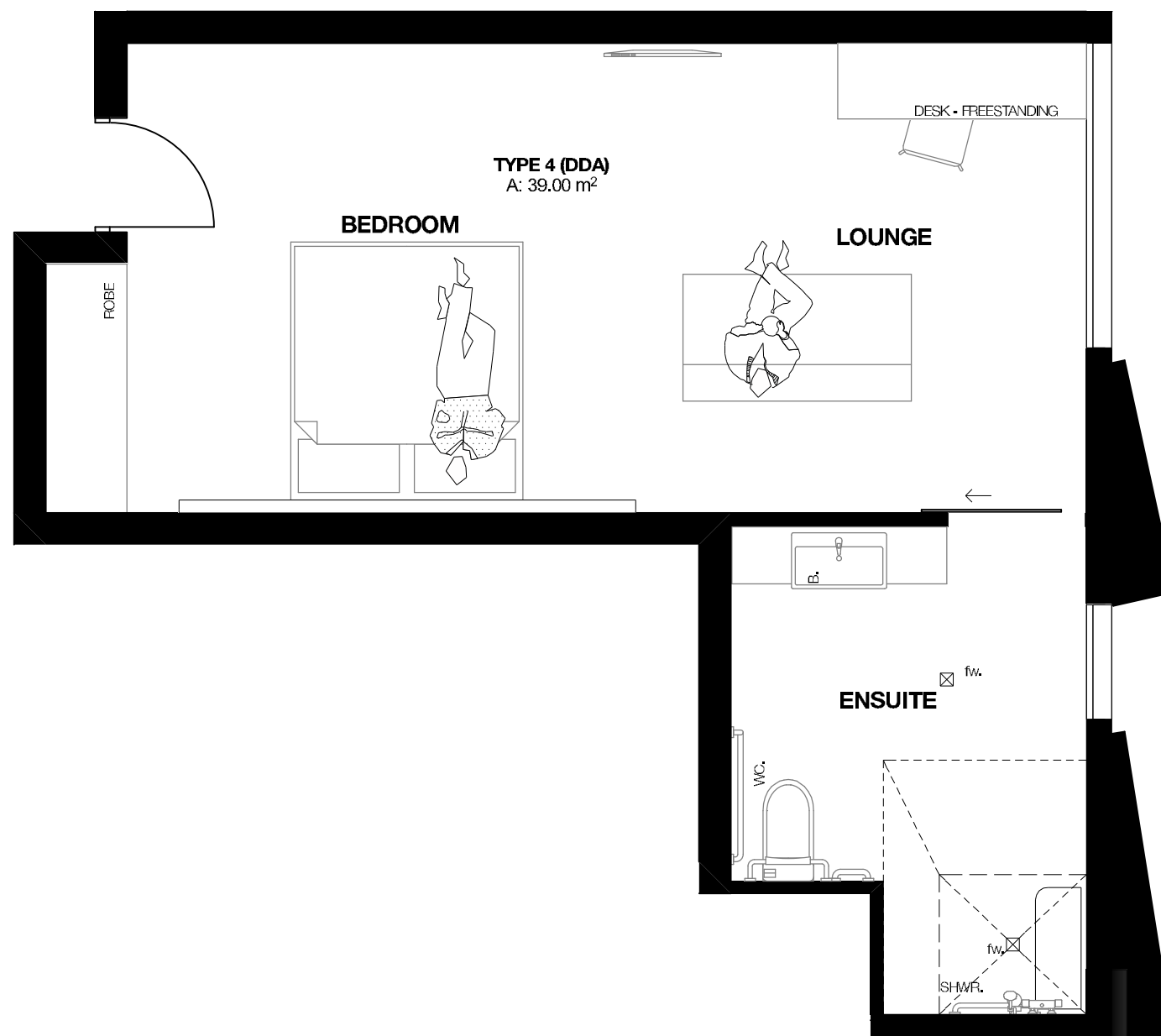
**1 TYPE 3 - PREMIUM SUITE 2**  
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**PREMIUM SUITE LOCATIONS**





rev	date	purpose
0	01.12.2017	issued for draft planning report
1	14.12.2017	issued for draft planning report



	TYPE 01 TYPICAL SUITE	TYPE 02 PREMIUM SUITE 1	TYPE 03 PREMIUM SUITE 2	TYPE 04 DDA SUITE	
LEVEL 05 (FIFTH FLOOR)	15	1	1	1	
LEVEL 04 (FOURTH FLOOR)	15	1	1	1	
LEVEL 03 (THIRD FLOOR)	15	1	1	1	
LEVEL 02 (SECOND FLOOR)	15	1	1	1	
LEVEL 01 (FIRST FLOOR)	12	1	1	0	
LEVEL 00 (GROUND FLOOR)	0	0	0	0	
<b>TOTAL</b>	<b>72</b>	<b>5</b>	<b>5</b>	<b>4</b>	<b>TOTAL ROOMS 86</b>



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general notes  
 These drawings show design intent & are suitable as a guide only. Do not scale off the drawings. All dimensions in millimetres. Dimensions of existing building are indicative only. They should not be relied on and are to be verified on site before commencing work. All documents shall be read in conjunction with specifications and any consultants detail. All work shall be in accordance with the Building Code of Australia, relevant Australian Standards & local authority by laws and regulations. Any discrepancies, errors or omissions shall be referred to the Architects. Drawings are not to be used for construction until issued Construction

accredited designer:  
 Peter Walker, CC2143E

drawn by  
 P.J, M.G  
 checked by  
 T.H  
 reason of issue  
**Development Application**

project:  
**New Construction  
 of  
 Hotel Verge**  
 69-71 Cimlere St  
 Launceston  
 TAS, 7250

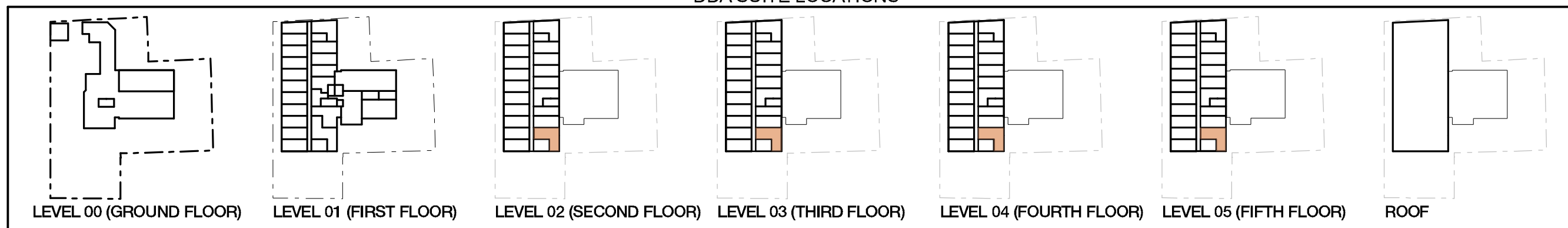
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 (Room Types)

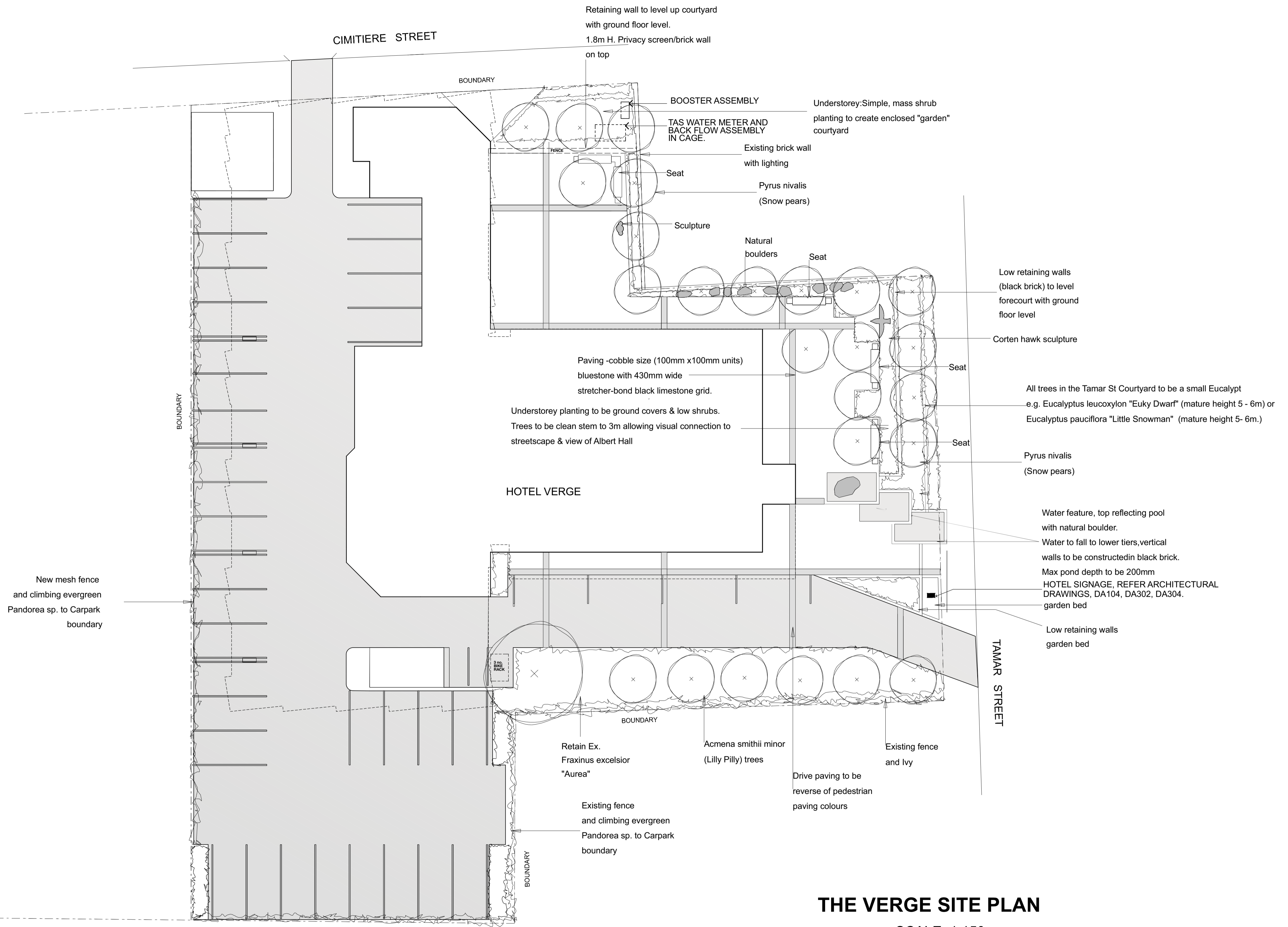
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 drawing n°  
**T16283-DA504**  
 original size  
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 issue  
 DA

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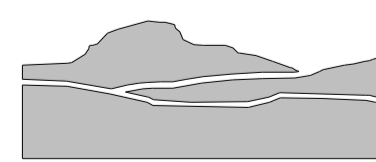
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 1:50

**DDA SUITE LOCATIONS**





**THE VERGE SITE PLAN**  
SCALE: 1:150



LINDSAY CAMPBELL  
LANDSCAPE SERVICES

CONTRACT TITLE  
THE VERGE HOTEL

DRAWING TITLE  
LANDSCAPE PLAN

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GARDEN DESIGN,  
CONSULTATION

CIMITIERE STREET LAUNCESTON

SITE PLAN

SCALE  
1:150

SIZE  
A1

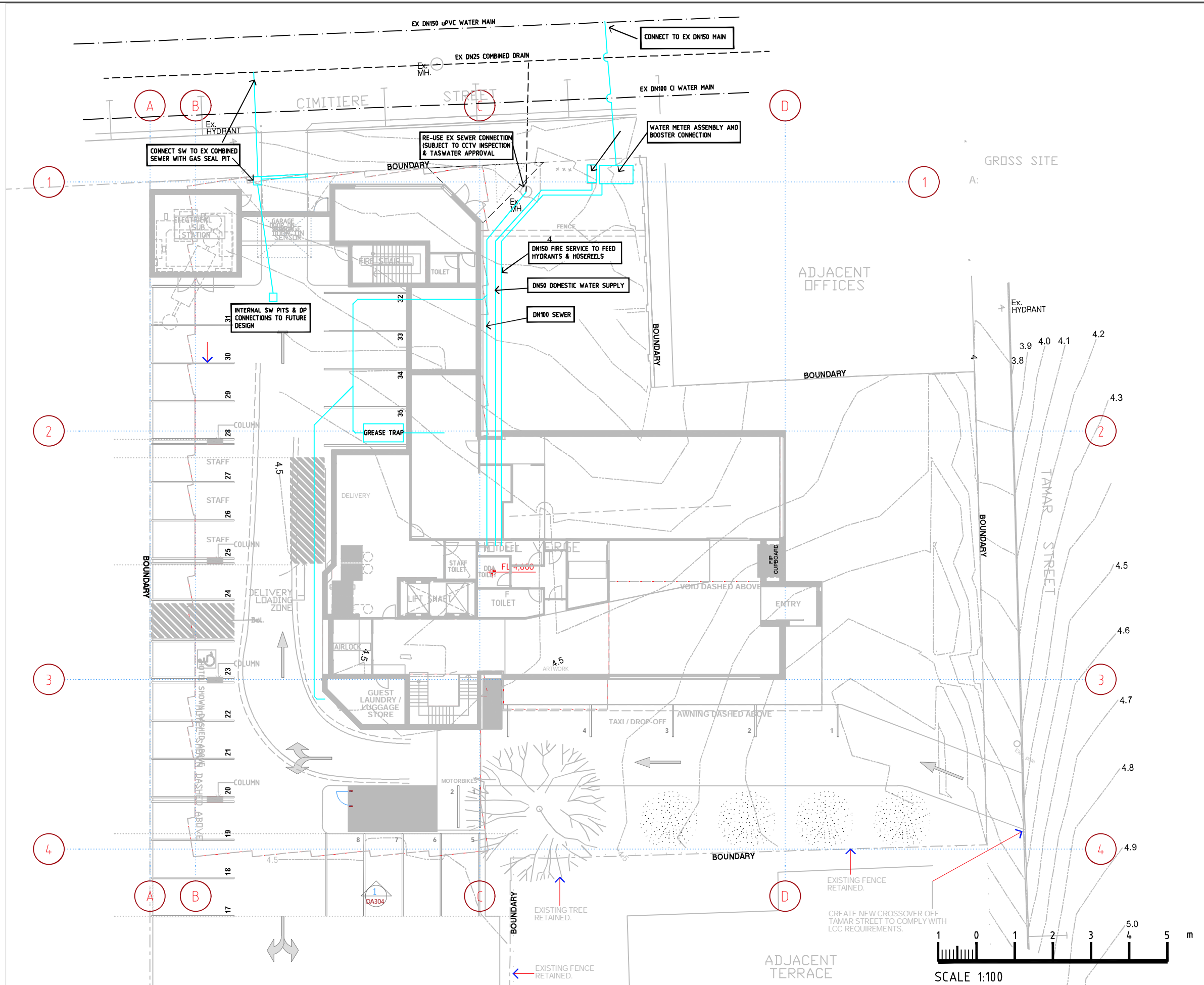
SHEET  
1 OF 1

DRAWING  
VERGE2013COMPAT

DESIGNED: LRC  
DRAWN: LCF

DECEMBER 2017  
DECEMBER 2017





REV	DATE	REMARK
SAFETY IN DESIGN REPORT		
In accordance with the Workplace Health & Safety Acts and Regulations JMG have considered the potential hazards and risks that are specific to this design.		
The following risks which are unique to this design have been identified:		NIL
This report does not release contractors from their responsibilities under the Act to identify, report, mitigate and manage all aspects of risk and safety.		

**JMG**  
Engineers & Planners

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PROJECT  
**HOTEL VERGE**  
**69 CIMITIRERE ST**

TITLE  
**HYDRAULIC SERVICES**  
**PRELIMINARY SITE SERVICES**  
**CONCEPT FOR TASWATER**

Accepted Discipline Head (Discipline Head)	Date
Accepted Team Leader (Team Leader)	Date
Approved Group Manager (Group Manager)	Date

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SCALES @ A3	DESIGNED BY	DRAWN BY
	RB	RB
	PLOT DATE	13/12/2017

DO NOT SCALE. Use only figured dimensions. Locations of structure, fittings, services etc on this drawing are indicative only. CONTRACTOR to check Architects & other project drawings for co-ordination between structure, fabric, fixtures, fittings, services etc. CONTRACTOR to site check all dimensions and exact locations of all items. JMG accepts no responsibility for dimensional information scaled or digitally derived from this document.

PLOT DETAILS DA SITE PLAN TO TW.DWG

PROJECT NO. **J172238CL**

DWG NO. **SKH01** REVISION **P1**

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**PRELIMINARY PRINT**

## VERGE HOTEL SEWER FLOW CALCULATIONS

### Assessment of loads

CAFÉ/RESTAURANT	104.9	GBFA m2	
	0.008	ET Rate	MP01 Table A1
	0.8392	ET	
BAR	116.95	GBFA m2	
	0.048	ET Rate	EF02 Table A1
	5.6136	ET	
ACCOMODATION UNITS	86	Each Unit	
	0.45	ET Rate	AS03 Table A1
	38.7	ET	
CONFERENCE	0	GBFA m2	
	0.0014	ET Rate	EF04 Table A1
	0	ET	
<b>TOTAL ET'S</b>	<b>45.1528</b>		
<b>ADWF per annum</b>	<b>10475</b>	kL	232 ( Table B2) x ET
<b>ADWF PER SEC</b>	0.33	l/sec	

<b>PDWF (L/s)</b>	4.6602	ADWF x d
<b>GWI</b>	0.0000	
<b>IIF</b>	0.0005	
<b>d</b>	14.03	$d = 0.01(\log A)^4 - 0.19(\log A)^3 + 1.4(\log A)^2 - 4.66\log A + 7.57$
<b>A ( hectares)</b>	0.0945	
<b>ADWF (L/s)</b>	0.3322	
<b>P<sub>wet</sub>*</b>	0.0050	* TasWater water default values
<b>A(EFF)</b>	0.1687	
<b>P<sub>impervious</sub>*</b>	0.0050	
<b>I</b>	640.00	
<b>I<sub>(1,2)</sub>*</b>	20.00	
<b>F.S.</b>	20.00	
<b>F.C.*</b>	1.60	

**DESIGN FLOW = PDWF + GWI + IIF**

AREA 1	
<b>DESIGN FLOW</b>	<b>4.66</b> L/s

### Notes / Abbreviations:

**ADWF** - Average Dry Weather Flow

**ET** - Equivalent Tenement

**PDWF** - Peak Dry Weather Flow

**GWI** - Ground Water Infiltration (non-rainfall dependant)

**IIF** - Peak (rainfall dependant) Inflow Infiltration

**d** - Dry Weather Peaking Factor

**A** - Gross Area (Hectares)

**P<sub>wet</sub>** - Portion of planned pipe network estimated to have ground water table levels in excess of pipe inverts

**A(EFF)** - Function of expected portion of catchment to be covered with impervious structures



**P<sub>impervious</sub>** - Expected portion of catchment to be covered with impervious structures

**I** - Function of rainfall intensity at the developments geographic location

**I<sub>(1,2)</sub>** - 1 Hour duration rainfall intensity for an ARI of 2 years

**F.S.** - Factor Size

**F.C.** - Factor containment

## VERGE HOTEL PSD WATER CALCULATIONS

### Assessment of loads

CAFÉ/RESTAURANT	104.9	GBFA m2	
	0.005	ET Rate	MP01 Table A1
	0.5245	ET	
BAR	116.15	GBFA m2	
	0.03	ET Rate	EF02 Table A1
	3.4845	ET	
ACCOMMODATION UNITS	86	Each Unit	
	0.3	ET Rate	AS03 Table A1
	25.8	ET	
CONFERENCE	0	GBFA m2	
	0.009	ET Rate	EF04 Table A1
	0	ET	
<b>TOTAL ET'S</b>	<b>29.81</b>		

Peak Day Demand Item 5 , Appendix B 0.017836  
L/ET/s

PDD FLOW RATE 0.53167332 L/S

Velocity in DN 25 pipe	2.45	m/s	
Velocity in DN 32 pipe	0.82	m/s	
Velocity in DN 40 pipe	0.55	m/s	<b>ADOPT</b>