



## **PRODUCT CERTIFICATION REQUIREMENTS - VICTORIA**

### **NEED TO KNOW:**

All Dam Buster product installations in Victoria currently require a Performance Solution and should not be certified as Deemed to Satisfy (DtS).

### **BACKGROUND:**

Compliance with the National Construction Code (NCC) for any plumbing products and/or installation is achieved by any of the following:

- A Deemed-To-Satisfy ('DtS') Solution
- A Performance Solution
- A Combination of the above i.e., a Combination of Solutions

The Governing Provisions of the NCC (refer part A2G3, clause (2)(b)) also permit certification as "*DtS by Expert Judgement*" whereby a substantive expert certifies that the product and/or installation fulfills all DtS requirements but is not precisely as specified in the code e.g., in AS3500.3.

The Dam Buster rainhead is considered "*DtS by Expert Judgement*" where it is receiving discharge directly from a straight box gutter. The expert who has provided this certification is Associate Professor Robert Keller of Monash University, a renowned Hydraulic Engineer who is an expert in open channel drain flow. In Victoria however, the VBA does not accept this method of certification despite it being a method specifically permitted in the NCC. Consequently, in Victoria, all Dam Buster products, including the rainhead, are currently required to be certified via Performance Solution.

More specific information about the above can be found in Dam Buster's '*Evidence of Suitability*' document, which can be downloaded from <https://www.dambuster.com.au/technical-downloads/>

To assist plumbers in particular, Dam Buster has also developed easy to use Performance Solution templates, as discussed below.

### **PERFORMANCE SOLUTION PROCESS:**

Dam Buster innovation has made this previously complex and expensive process extremely simple and easy. This is possible because all Dam Buster products are pre-engineered, tested and certified, and have known performance capacities (as detailed in our Technical documentation), thus they can be adopted to any situation on a 'plug and play' type basis.

A licenced roof plumber in Victoria is also considered by the VBA to be a suitable expert for Performance Solution purposes in this situation.

So long as the licenced roof plumber is satisfied that the Dam Buster products fall within the specifications for the project e.g., the flow rate from each box gutter is within the design rating for the rainhead/s or sump/s selected, the installation can simply be certified using pre-prepared Performance Solution documentation supplied by Dam Buster.

Template documents for Performance Solutions and all of the supporting technical documents required can simply be downloaded for free from our website at <https://www.dambuster.com.au/technical-downloads/> **but are only valid for use in conjunction with genuine Dam Buster products.**

The primary documents required in Victoria are:

- 1. Performance Based Design Brief**
- 2. Final Report for Performance Solution PCA Victoria**
- 3. Product Technical Statement and Design Information**
- 4. Evidence of Suitability**
- 5. Installation Instructions**
- 6. Roof Plan (which can be in the form of a sketch with flow rate calculations)**

*Both documents 1 and 2 require information such as the site address, plumber's name and so on. Where a Building Surveyor and builder are involved, they will also need to countersign document 1. The property owner must also provide consent to the use of the proposed Performance Solution.*

*Both documents 1 and 2 should be downloaded from our website at the above link, printed off, then the fields completed as required. These then form the basis of the Performance Solution and why it is being used.*

***It is also very important that the documents 1 and 2 have already been fully completed by all parties and are held by the plumber (and the builder if there is one) prior to the installation work starting.*** This is to ensure that the base documentation for the Performance Solution is available should the VBA carry out a Proactive Audit Inspection during the build and before the Compliance Certificate is issued. If such an audit is done during the project and these base documents are not available, the VBA will fail the audit due to absence of the required Performance Solution documentation.

There are no forms to fill out with documents 3, 4 or 5 above. These are simply informative Technical Documents which are just downloaded as a PDF file. They demonstrate how the Dam Buster products work, what their specifications are, how to install them, and also how they meet all of the performance requirements of the NCC. To ensure a quality, compliant installation, the plumber must fully appraise themselves of these three documents **prior** to commencement of the project and also **prior** to preparation of the Performance Solution.

Plumbers are also strongly advised to have available for inspection by any VBA auditor or the Building Surveyor, **a plan of the job including the relevant roof catchment areas, and also showing the calculated flow rates to each Dam Buster device.** This is not a new obligation as calculation of flow rates has been a requirement in AS3500.3 under the General Method for decades. All licenced roof plumbers will have been taught how to carry out these calculations as part of their training.

If required, additional guidance and assistance about calculating areas and flow rates can be found in the Dam Buster **Quick Design Guide** and also in the Dam Buster **Product Technical Statement**, both of which can also be easily downloaded from <https://www.dambuster.com.au/technical-downloads/>

Having the necessary paperwork, including the flow rates, will demonstrate to the VBA auditor or the Building Surveyor that the plumber has actually 'run the numbers' for the roof box gutters and thus also installed the correct Dam Buster products (which are all selected based on flow rate capacity). This means the Performance Solution is well documented and further validated.

These documents also show that the plumber is familiar with the technical performance, capabilities and methods of installation for the Dam Buster products being used. All of this should also make the plumber and builder look more professional, knowledgeable, and organized in the eyes of the VBA and also their clients.

### **ON COMPLETION OF THE JOB:**

When the plumber lodges the Compliance Certificate, they should tick "Performance Solution" on the certificate.

In addition to the fully completed **Final Report for Performance Solution PCA Victoria** and the **Performance Based Design Brief**, the plumber should also upload to the VBA360 system:

- **Product Technical Statement and Design Information (PDF)**
- **Evidence of Suitability (PDF)**
- **Installation Instructions (PDF)**

If the VBA 360 system does not have sufficient capacity to upload all of these documents with the compliance certificate (which some customers have reported), the plumber should keep copies of them either in hard copy or electronic form, including the certificate, for 10 years in case the VBA or someone else ever audits the job in the future.

The plumber will find this a very simple and easy process once it has been done a few times. This process will also fully satisfy the VBA, but if there are any queries, the plumber should reach out to Dam Buster at [enquiries@dambuster.com.au](mailto:enquiries@dambuster.com.au).

A simplified version of the Performance Solution process, along with a worked example, is attached.

# I'm a roof plumber – how do I prepare a Performance Solution to use Dam Buster Products?

## Step 1 – Prepare the PBDB

When you prepare a quotation for the work, also provide the Dam Buster PBDB (Performance Based Design Brief) template to the Client to sign\*.

Refer <https://www.dambuster.com.au/technical-downloads/>



\* Note, you should fill in the job address and the sign the PBDB before providing to the Client.

## Step 2– Prepare sketches & calculations

Prepare sketches and calculations for the proposed works. Refer to the Dam Buster Product Technical Statement or Quick Design Guide for how to do the calculations.

Refer also AS/NZS 3500.3-2021.



## Step 3 – Prepare the Final Report

Select the appropriate Dam Buster Final Report\*, complete this, and attach the sketches & calculations and signed PBDB. Job done.

\* If you are a roof plumber in VIC or TAS, then use the Dam Buster Final Report template for PCA (VIC) or PCA (TAS). Otherwise, use the Dam Buster Final report for BCA Vol 2 (individual houses) and BCA Vol 1 (all other buildings).



## **BUILDING MATTER – Roof drainage design using a box gutter system**

### **PROJECT ADDRESS**

17 River Street, Melbourne VIC 3000

### **BUILDING SURVEYOR / BUILDING CERTIFIER**

Name: John Smith

Company: Jim's Building Surveying

Phone No: 0434 111 222

Licensing authority: VBA

Registration # BS-U 99999

### **SCOPE**

This PBDB relates to the design of a box gutter system forming part or all of the roof drainage system for the subject property.

Roof drainage is regulated in the states and territories of Australia in different ways. The NCC provides Deemed-To-Satisfy solutions for box gutter systems using the following acceptable construction manual, applicable in all states and territories:-

*AS/NZS 3500.3 Plumbing and drainage Part 3: Stormwater drainage*

Additionally, the following handbooks are also applicable in some states and territories:-

*SA HB 39 Installation code for metal roof and wall cladding*

*SAA/SNZ HB114 Guidelines for the design of eaves and box gutters*

### **PROBLEM**

DtS box gutter solution is not suitable for roof layout and / or is not aesthetically acceptable

Available DtS box gutter solutions provided in AS/NZS 3500.3 ('3500.3') are limited to the following three prescriptive box gutter overflow devices only:

- Open fronted rainhead in accordance with Figure 3.7.3 (a) of 3500.3
- Sump / side overflow device in accordance with Figure 3.7.3 (b) of 3500.3
- Sump / high capacity overflow device in accordance with Figure 3.7.3 (c) of 3500.3

Further information on DtS box gutter systems is provided in the VBA's Plumbing Practice Note RP-02: Box Gutters. Whilst this is a Victorian publication, it provides a general overview of the available box gutter overflow devices in 3500.3.

[https://www.vba.vic.gov.au/\\_data/assets/pdf\\_file/0009/135684/Plumbing\\_RP-02\\_Box-Gutters\\_CURRENT\\_01-Aug-2023.pdf](https://www.vba.vic.gov.au/_data/assets/pdf_file/0009/135684/Plumbing_RP-02_Box-Gutters_CURRENT_01-Aug-2023.pdf)

The available DtS solutions for box gutter overflow devices provided in 3500.3 are very limiting with respect to the design of roof drainage, and the following is noted in particular:

- The rainhead in accordance with Figure 3.7.3 (a) of 3500.3 is generally not aesthetically acceptable because it is open fronted

- Clause 3.7.6 (g) *Layout (i)* states 'Box gutters shall be straight (without change in direction') and none of the 3500.3 devices facilitate a change in direction of box gutters
- Further to the above, clause 4.7.1 of 3500.3 states 'Gutters shall not be jointed along the length to increase the gutter depth'. However, this may be necessary in order to achieve a change in direction.
- The 3500.3 sumps cannot be standardized as they must be designed integrally with the box gutter. Consequently, they are not available commercially as standard sizes and must be fabricated individually. Additionally, the Sump / high capacity device is complicated to fabricate.

## **RELEVANT PERFORMANCE REQUIREMENTS**

The relevant Performance Requirements are as follows, depending on which volume of the NCC the building is being assessed for, and in the case of Volume 3, whether the building is located in Victoria or Tasmania. Refer also to the Final Report for further details of the Performance Requirements relating to the subject building.

### NCC-2022 Volume 1

- Part F1 – Surface water management, rising damp and external waterproofing
  - Performance Requirement
    - [F1P2 Preventing rainwater entering buildings.](#)

### NCC-2022 Volume 2

- Part H2 – Damp and weatherproofing
  - Performance Requirements
    - [H2P1 Rainwater management](#)
    - [H2P2 Weatherproofing](#)

Identify the relevant NCC volume and State Addition (where applicable)

### NCC-2022 Volume 3 – Victorian state addition

- Vic Part E3 Stormwater – Roof drainage systems
  - Performance Requirements
    - [Vic E3P1 Roof drainage systems](#)
    - [Vic E3P2 Overflow](#)
    - [Vic E3P3 Watertightness](#)
    - [Vic E3P4 Design, construction, and installation](#)

### NCC-2022 Volume 3 – Tasmanian state addition

- Vic Part E3 Stormwater – Roof drainage systems
  - Performance Requirements
    - [Tas E3P1 Roof drainage systems](#)
    - [Tas E3P2 Overflow](#)
    - [Tas E3P3 Watertightness](#)
    - [Tas E3P4 Design, construction, and installation](#)

## **ANALYTICAL ASSESSMENT PROCESS & ACCEPTANCE CRITERIA**

The acceptance criteria for Dam Buster products is by way of comparison of the Dam Buster devices with the key requirements of AS/NZS 3500.3-2021 *Stormwater drainage* code, which is a Deemed-to-Satisfy Solution for all of the above Performance Requirements. Refer to the current Dam Buster 'Evidence of Suitability' document located at:

<https://www.dambuster.com.au/technical-downloads/>

This comparison has generally been carried out by Dam Buster's (independent) expert, Adjunct Associate Professor Robert Keller, by means of physical testing and hydraulic analysis and computations, as well as detailed comparisons to 3500.3. Testing and analysis of the overflow performance of Dam Buster rainheads was carried out by Professor Terry Lucke, AHSCA Research Foundation, at their test rig built in conjunction with the University of the Sunshine Coast. This testing was reviewed and considered by A/P Robert Keller during his assessment of Dam Buster's products.

**KEY STAKEHOLDERS** (strike out whichever is not applicable)

**Building owner / ~~building owner's representative~~**

Name: Jim Green  
Company: \_\_\_\_\_ Phone No: 0444 555 666  
Signed: J. Green Date: 19 February 2024

**Roof drainage designer - ~~Civil / Hydraulic Engineer or Roof plumber~~**

Name: John Black  
Company: Rufus Plumbing Phone No: 0408 103 416  
Registration Category: Roof plumber Licence # \_\_\_\_\_  
~~Registration #~~ 7777777  
Signed: J. Black Date: 20 February 2024

**Architect / Building Designer**

Name: \_\_\_\_\_  
Company: \_\_\_\_\_ Phone No: \_\_\_\_\_  
Signed: \_\_\_\_\_ Date: \_\_\_\_\_

**Builder**

Name: \_\_\_\_\_  
Company: \_\_\_\_\_ Phone No: \_\_\_\_\_  
Signed: \_\_\_\_\_ Date: \_\_\_\_\_

**Other (specify)**

Name: \_\_\_\_\_  
Company: \_\_\_\_\_ Phone No: \_\_\_\_\_  
Role in project: \_\_\_\_\_  
Signed: \_\_\_\_\_ Date: \_\_\_\_\_

# Roof Drainage Design & Rainhead Selection Example



**CERTIFIED PRODUCT (DAM BUSTER RAINHEAD)**  
For testing of the Overflow Performance of Dam Buster rectangular rainheads.

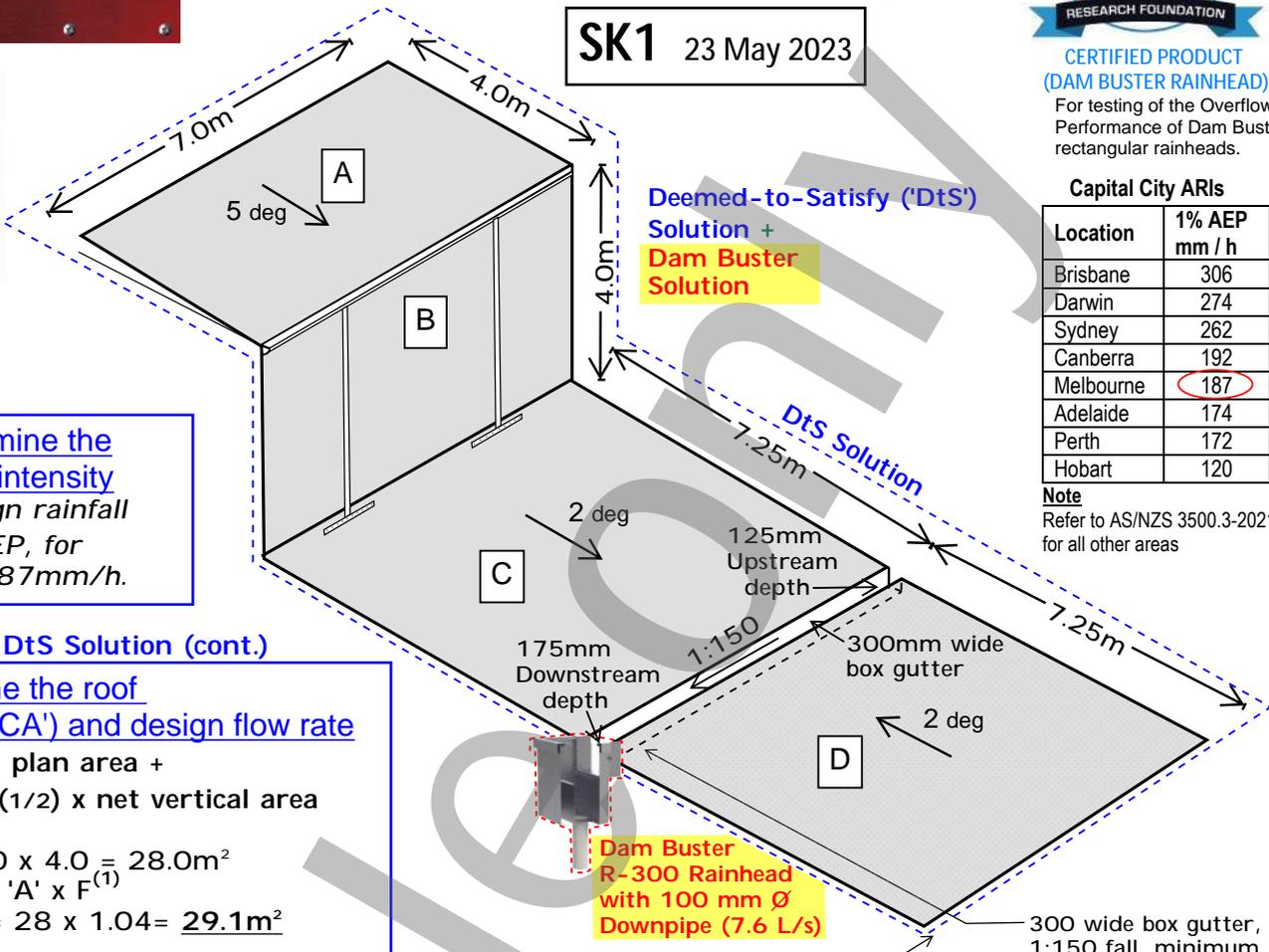
### Capital City ARIs

| Location  | 1% AEP mm / h |
|-----------|---------------|
| Brisbane  | 306           |
| Darwin    | 274           |
| Sydney    | 262           |
| Canberra  | 192           |
| Melbourne | 187           |
| Adelaide  | 174           |
| Perth     | 172           |
| Hobart    | 120           |

**Note**  
Refer to AS/NZS 3500.3-2021 for all other areas



SK1 23 May 2023



Deemed-to-Satisfy ('DtS') Solution + Dam Buster Solution

### DtS Solution

**Step 1 - Determine the design rainfall intensity**  
Adopt the design rainfall intensity, 1%AEP, for Melbourne of 187mm/h.

### DtS Solution (cont.)

**Step 2 - Determine the roof catchment area ('CA') and design flow rate**

Catchment Area = plan area + (1/2) x net vertical area

**Roof A**  
Roof area 'A' = 7.0 x 4.0 = 28.0m<sup>2</sup>  
Catchment area = 'A' x F<sup>(1)</sup>  
= 28 x 1.04 = **29.1m<sup>2</sup>**

**Wall B**  
Wall area 'B' = 7.0 x 4.0 = 28.0m<sup>2</sup>  
Catchment Area = 1/2 x 28.0 = **14.0m<sup>2</sup>**

**Roofs C & D**  
Roof area = 2 x 7 x 7.25 = 101.5m<sup>2</sup>  
Catchment Area = **101.5m<sup>2</sup>**

Total Catchment Area = **144.6m<sup>2</sup>**

Q = (CA x 1% AEP) / 3600  
= (144.6 x 187) / 3600  
= 7.51 litres / sec

### DtS Solution (cont.)

**Step 3 - Design the (300mm W) box gutter ('BG')**

From Figure H.1 of AS/NZS 3500.3, a slope of 1 in 150<sup>(2)</sup>, and a flow rate of 7.51 L/s, the design upstream BG depth is 122mm (rounded to 125mm) (OR refer to Appendix F of the Product Technical Statement for BG design charts). The fall over 7.0m is 7000/150=47mm (rounded to 50mm).

**ADOPT**  
300mm wide x (125 min to 175 max) deep BG

### Dam Buster Solution

**Step 4 - Select the rainhead & DP combination**

Referring to Table 1, select a Dam Buster R-300 Rainhead with a 100mm diameter downpipe.  
Q(allowable) = 7.6 L/s > 7.51 L/s => OK

**NOTE**  
The rainhead may be either a R-300 or CR-300  
Refer also Appendix A of the Product Technical Statement, 'Product Names'.

**Note**  
The vertical catchment component of the lower roofs, which have the same area, and having equally opposing slopes, cancel each other

### CALCULATIONS - NOTE

Steps 1 to 3 are calculations required in relation to the DtS component of the 'Combination of Solutions'.  
Step 4, which is a Selection process only (highlighted in yellow), represents the Dam Buster component.

### Step (1) & (2) notes

- Refer to Table 3.4.3.2 of AS/NZS 3500.3-2021 for the factor 'F'. This factor depends on the roof slope, and takes into account the extra catchment area for the roof due to the slope i.e. half the projected vertical area of the sloping roof.  
Note, 'F' can also be calculated: F = 1.0 + 0.5 x tan (slope) (a scientific calculator is required to calculate F)
- Dam Buster recommends a minimum fall of 1 in 150 to allow for possible minor future building movements, particularly on reactive clay sites.

### Dam Buster Rainhead Design Table

| Downpipe size                            | Equivalent diameter | Dam Buster Rainhead size <sup>(1)</sup> |                     |       |                                 |       |
|--|---------------------|---|---------------------|-------|---------------------------------|-------|
|  |                     | R-200                                   | R-300               | R-400 | R-500                           | R-600 |
| 100 x 50                                 | 79                  | 4.00 <sup>(2)</sup>                     | 4.00 <sup>(3)</sup> |       |                                 |       |
| 80 diam.                                 | 80                  | 4.00 <sup>(2)</sup>                     | 4.00 <sup>(3)</sup> |       | Not recommended or not possible |       |
| 90 diam.                                 | 90                  | 4.70                                    | 6.50                |       |                                 |       |
| 100 x 75                                 | 97                  | 5.00                                    | 7.30                | 8.00  |                                 |       |
| 100 x 100                                | 112                 |   | 8.80                | 12.0  | 12.0                            |       |
| 125 diam.                                | 125                 |   | 9.50                | 14.2  | 15.4                            | 15.9  |
| 150 x 100                                | 137                 |   |                     | 15.8  | 16.0                            | 16.0  |
| 150 diam.                                | 150                 |   |                     | 16.0  | 16.0                            | 16.0  |
| <b>Overflow Capacity of Device (L/s)</b> |                     | >16.0                                   | >16.0               | >16.0 | >16.0                           | >16.0 |

(1) Curved fronted rainheads CR-www have the same capacity as rectangular rainheads

(2) Capacities determined by testing by the AHSCA Research Foundation

(3) Capacities adopted for R-200 (R-300 not tested yet for these DPs)

Maximum permissible flow rates (litres / sec)

## **BUILDING MATTER** Roof Design using a Box Gutter System

This Final Report and/or Performance Solution is not valid if applied to non-genuine Dam Buster imitation copies. Dam Buster patented products have name plate ID and / or serial number ID as well as unique security features known only to Dam Buster. Patent and Intellectual Property infringers will be vigorously pursued.

### **PROJECT ADDRESS**

17 Rivet Street, Melbourne VIC 3000

**PROBLEM** – Deemed to Satisfy (DTS) box gutter solution is not suitable for roof layout and / or is not aesthetically acceptable

Available DTS box gutter solutions provided in AS/NZS 3500.3 are not suitable for this project in one or more locations, as discussed in the Performance Based Design Brief.

**SOLUTION** – Use of proprietary box gutter devices

It is proposed to use the following **Dam Buster®** box gutter device(s) in lieu of the DTS box gutter solutions specified in AS/NZS 3500.3.

a) Box gutter overflow devices

- **Dam Buster®** Rainhead
- ~~**Dam Buster®** Side Outlet\* and Rainhead combination~~
- ~~**Dam Buster®** Side Outlet\* and Sump combination~~
- ~~**Dam Buster®** Sump and **Dam Buster®** Continuous Sump & **Dam Buster®** Back-to-Back Sump~~

Note - cross out devices not used

\* T Side Outlet, End Side Outlet, Corner Side Outlet, and Cruciform Side Outlet

### NOTES

1. Box gutters discharging to **Dam Buster®** box gutter overflow devices must be designed for free flow (in both the normal flow and overflow conditions), in accordance with Appendix H, Figure H.1 of AS/NZS 3500.3, for flows between 3 L/s and 16 L/s. All box gutters with calculated flow rates lower than 3L/s must be designed for a minimum of 3L/s.
2. In the normal flow condition, the **Dam Buster®** rainhead is fully compliant with AS/NZS 3500.3.
3. Testing of the **Dam Buster®** in the overflow condition was carried out by the AHSCA Research Foundation, and each rainhead was determined to have an overflow capacity exceeding 16 L/s.
4. Further to Note 1, all box gutters discharging to **Dam Buster®** devices can be designed 'independently'\* of the **Dam Buster®** device in accordance with AS/NZS 3500.3 and are therefore considered to be 'Deemed-To-Satisfy' Solutions (when correctly designed and installed). Consequently, compliance is achieved in accordance with NCC Governing Provision **A2.4 A combination of solutions**, where:
  - The box gutter(s) is **Deemed-to-Satisfy**
  - The **Dam Buster®** device(s) is a **Performance Solution**

\* The AS/NZS 3500.3 DTS Sump and Side overflow device, and Sump / High-capacity overflow device, are designed integrally with the box gutter(s) because, in the overflow condition, backwatering must occur in the box

gutter(s) itself i.e. the flow within the box gutter is no longer 'free flow' (as it is in the 'normal flow' condition').

5. The **Dam Buster® Side Outlet** may only be used in combination with a **Dam Buster® Rainhead** or the AS/NZS 3500.3 DTS rainhead or the **Dam Buster® Sump**. Similar to the **Dam Buster® Elbow**, the four types of **Dam Buster® Side Outlets** incorporate a specific step-down dimension to facilitate a change in direction of one or more box gutters and are hydraulically similar to the **Dam Buster® Elbow** and **Dam Buster® Junction**.

b) Change of direction in box gutter (not an overflow device)

- ~~**Dam Buster® Elbow**~~
- ~~**Dam Buster® Junction\*\***~~

\*\* Tee Junction and Corner Junction

Note - cross out devices not used

NOTE

The **Dam Buster® Elbow** and **Dam Buster® Junction** devices incorporate a specific step-down dimension and are effectively sumps with one open side. Hydraulic analysis by Dam Buster's Expert, and testing, demonstrates the step-down more than compensates for the energy loss in the bend, and consequently backwatering cannot occur in the upstream box gutter. The upstream box gutter(s) discharges into the 'open sided sump' and is designed in accordance with Figure H.1 of AS/NZS 3500.3 using the design flow rate (refer to the Product Technical Statement for the design methodology). Note, it is not necessary to design the downstream box gutter, which will automatically have sufficient depth due to the step-down.

## Proposed roof drainage installation plans

Refer to the attached plans showing the proposed location of **Dam Buster®** products

Details / numbers of attached plans / sketches:

SK1 (23.05.2023)

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## Evidence of Suitability of **Dam Buster®** products

Refer to the **Dam Buster®** website for the current versions of the following documents:

**Dam Buster®** – Product Technical Statement

**Dam Buster®** – Evidence of Suitability

[www.dambuster.com.au](http://www.dambuster.com.au)

## Installation

Refer to the **Dam Buster®** website for the current version of the following document:

**Dam Buster®** - Installation manual

## Relevant Performance Requirements (PCA) Victoria

### Vic Part E3 Stormwater – Roof drainage systems

#### Performance Requirements

##### Vic E3P1 Roof drainage systems

A roof drainage system must dispose of stormwater flows from rainfall events having an *average recurrence interval* appropriate to:

- (a) The importance of the building;
- (b) The severity of potential damage to property, *loss* of *amenity*, illness or injury that would result from the failure of such a system.

##### Vic E3P2 Overflow

A roof drainage system must provide an overflow device to transfer stormwater flows by extreme rainfall events.

##### Vic E3P3 Watertightness

All internal roof drainage components must be *watertight*.

##### Vic E3P4 Design, construction and installation

A roof drainage system must ensure the following:

- (a) Stormwater is transferred to a *point of connection*;
- (b) Access for maintenance and clearing *blockages*.

A roof drainage installation must avoid the following:

- (a) *Loss* of *amenity* due to *blockages* and *uncontrolled discharge*.
- (b) Foul air and gases accumulating in the roof drainage system.
- (c) Loss to buildings and property *amenity* due to *blockages* and *uncontrolled discharge*

#### Final report prepared by:

Roof Plumber's Name: John Black

Company: Rufus Constructions

Phone No: 0400 123 456

Licensing authority:

License #

Signed:

*J. Black*

Date:

29 February 2024

Attached – Performance Based Design Brief.

|                  |  |             |  |                     |                     |
|------------------|--|-------------|--|---------------------|---------------------|
| Certifier's Name |  | Licence No. |  | Compliance Cert No. | Compliance Cert PIN |
|                  |  |             |  |                     |                     |

| INSTALLATION ADDRESS |                 |           |      |
|----------------------|-----------------|-----------|------|
| Site Address         | 17 Rivet Street |           |      |
| Town/Suburb          | Melbourne VIC   | Post Code | 3000 |

| PLUMBING WORK INFORMATION           |                 | BELOW GROUND SANITARY DRAINS                |  |
|-------------------------------------|-----------------|---|--|
| Date of completion of plumbing work | 10/05/2023      | 'As Laid' plans lodged                      |  |
| Value of plumbing work              | \$1000 - \$4999 | Water Authority 'Consent to Connect' number |  |

| TYPE OF WORK             |             | GAS METER / LPG      |  |
|--------------------------|-------------|----------------------|--|
| Residential / Commercial | Residential | Authorisation number |  |

| SPECIALITY DETAILS    |  |                                       |   |
|-----------------------|--|---------------------------------------|---|
| Modification details  |  | Recreational vehicle's chassis number |   |
| Cooling tower         |  | Performance solution                  | ✓ |
| 6 Star Sustainability |  |                                       |   |

| INSTALLATION INFORMATION  |
|---|
| The installation is in accordance with section 4 of AS/NZS 3500.3-2021 and SA HB39-2015. Additionally, Dam Buster products have been installed in accordance with the Dam Buster Installation Manual, refer to <a href="http://www.dambuster.com.au">www.dambuster.com.au</a> |

| INSTALLATION DETAILS   |
|--|
| Installation of roof sheeting, box gutters, rainheads and downpipes. Dam Buster rainhead used under a Performance Solution (documentation provided). |

| APPLIANCE/PRODUCT INFORMATION |
|-------------------------------|
|                               |

## DECLARATION

I certify that the above plumbing work complies in all respects with the plumbing laws as defined in Part 12A of the *Building Act 1993*.

|   |        |             |          |
|---|--------|-------------|----------|
| The plumbing work was carried out by me or under my supervision   |        |             | ✓        |
| I have inspected and tested the work started by another licensed practitioner. Any necessary further work was carried out by me or under my supervision |        |             |          |
| The above compliance certificate details are correct and ready to be lodged with the VBA  |        |             | ✓        |
| I provide this compliance certificate in accordance with 221ZH(2)(a) of the Building Act 1993 initiating the status of a signed document                |        |             | ✓        |
| Compliance Certificate Status   | Lodged | Date Lodged | 21/05/23 |

## IMPORTANT NOTE TO PRACTITIONERS

A misstatement of fact, including an omission, is an offence under the *Building Act 1993*.

This Compliance Certificate must be given to the owner/consumer (or if issued to a building practitioner or person other than the owner/consumer), then that person must give it to the consumer within five (5) days of receipt.

## IMPORTANT NOTE TO CONSUMERS

Information on this Compliance Certificate has been given to the Victorian Building Authority (VBA) in accordance with the *Building Act 1993*. The information also assists the VBA for its statutory functions to monitor and enforce compliance under that Act and for statistical purposes in a way that does not identify consumers. At [www.vba.vic.gov.au](http://www.vba.vic.gov.au) you may view the details of this Compliance Certificate by using the Compliance Certificate number and PIN number in the top right corner of this Compliance Certificate, and also view the VBA's Privacy Policy. All work subject to a Compliance Certificate carries insurance to protect the owner/consumer against defective work by a plumbing practitioner. You should retain your Compliance Certificate for six (6) years as evidence of your cover.