

# FALLGUARD - INSPECTION HANDBOOK

Version 1.3



# CONTENTS

INTRODUCTION .....	3
SIGNS AND HANDOVER.....	4
INSPECTING THE SYSTEM .....	5
RAFTER FALLGUARD .....	11
PERIMETER FALLGUARD .....	13
INTERNAL FALLGUARD .....	14
BALCONY FALLGUARD .....	15

# INTRODUCTION

This Handbook details the information required to assist in completing the Fallguard Installation Checklist.

Non compliance to any one or more of these checklist items will not necessarily result in a critical system failure or mean that the system does not comply with regulatory requirements or Australian Standards. Some checklist items are required as they work in conjunction with other compliance requirements, for practicality for the user or simply as a Buildsafe specific high quality expectation.

If any non compliance issues are identified please lock out the system to prevent use and contact Buildsafe on 1300 558 027.

If you are inspecting an alternate or advanced installation or an uncommon bracket that requires further inspection than outlined in this document please contact Buildsafe.

If you have any concerns regarding the integrity of the system or you suspect that the system may have been tampered with please do not hesitate to contact Buildsafe.

1300 558 027
buildsafe.net.au

**BUILDSAFE**  
SAFETY THROUGH INNOVATION

**FALLGUARD – INSTALLATION CHECKLIST**

Construction Company:		
Site Address:		
Installer (name on the Handover Certificate):		

*Buildsafe Inspection Checklist should be used only by competent individuals. If the installation does not look or feel structural DO NOT access the Installation, lock out the installation to prevent access and contact Buildsafe. Refer to the Inspection Handbook for more detail on completing the Inspection.*

ITEM	YES	NO
<b>SIGNS AND HANDOVER</b>		
Is there a Handover Certificate attached at the Access Point?		
Is there a Light Duty Access Point Sign attached at the first Access Point?		
<b>INSPECTING THE SYSTEM</b>		
Has the system been erected outside of the Electrical No Go Zones for power lines?		
Does the Rail incline away from the roof no greater than 20 degrees to vertical?		
Is the Top Rail minimum 900mm and maximum 1100mm high?		
Is the bottom Rail minimum 150mm and maximum 275mm from the roof line?		
Is the Rail maximum 100mm from the edge of the gutter?		
Does the combined cantilever in a two part setup not exceed maximum A+B = 1000mm, A cannot exceed 800mm?		
Does the span of Rail between Posts not exceed maximum 3600mm?		
Does the non returning cantilever of Rail not exceed 500mm, or 1200mm with a floating Post?		
Are all corners secured with a Corner Post or Rail Joiners?		
Does the span to corners not exceed maximum 2100mm to a Corner Post or 1500mm to Rail Joiners?		
Does the span between Posts at the Access Point not exceed maximum 1500m, or 1900mm with a floating Post?		
Are Rail Braces installed to every run of handrail except where Face Plates or Base Plates are used?		
Is all the Rail locked into Cams?		
Are all L Bolts and T Bolts connecting brackets secured?		
<b>RAFTER FALLGUARD</b>		
Is the system installed to sufficiently secured rafters?		
Rafter Clamps - are the jaws sufficiently tightened to the rafter?		
Undertile Brackets - are brackets secured with 3 screws?		
Sheet Roof Brackets - are the feet secured with 2 screws each?		

Page 1 of 2
Revision 1.3

# SIGNS AND HANDOVER

## *Is there a Handover Certificate attached at the Access Point?*

Confirm that a Handover Certificate is attached to the system. Ensure that the information is correct and that it is signed and dated



---

## *Is there a Light Duty Access Point Sign attached at the Access Point?*

Check the sign is attached



# INSPECTING THE SYSTEM

***Has the system been erected outside of the Electrical No Go Zones for power lines?***

## **NO GO / EXCLUSION ZONES**

### **VICTORIA**

Domestic/low voltage power lines – Less than 4.6m horizontally and 5m vertically.  
Industrial/high voltage power lines – Less than 8m all round.

### **QUEENSLAND**

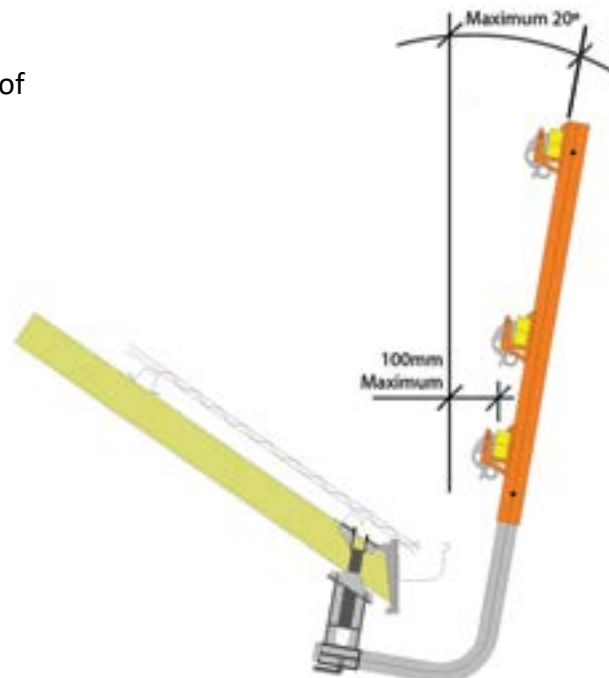
Domestic/low voltage power – Less than 3m all round.  
Industrial/high voltage power lines – Less than 6m all round.

### **NSW**

Any work within 4m of ALL power lines need referral to the network operator for any special conditions which need to be complied with.

***Does the Rail incline away from the roof no greater than 20° to vertical?***

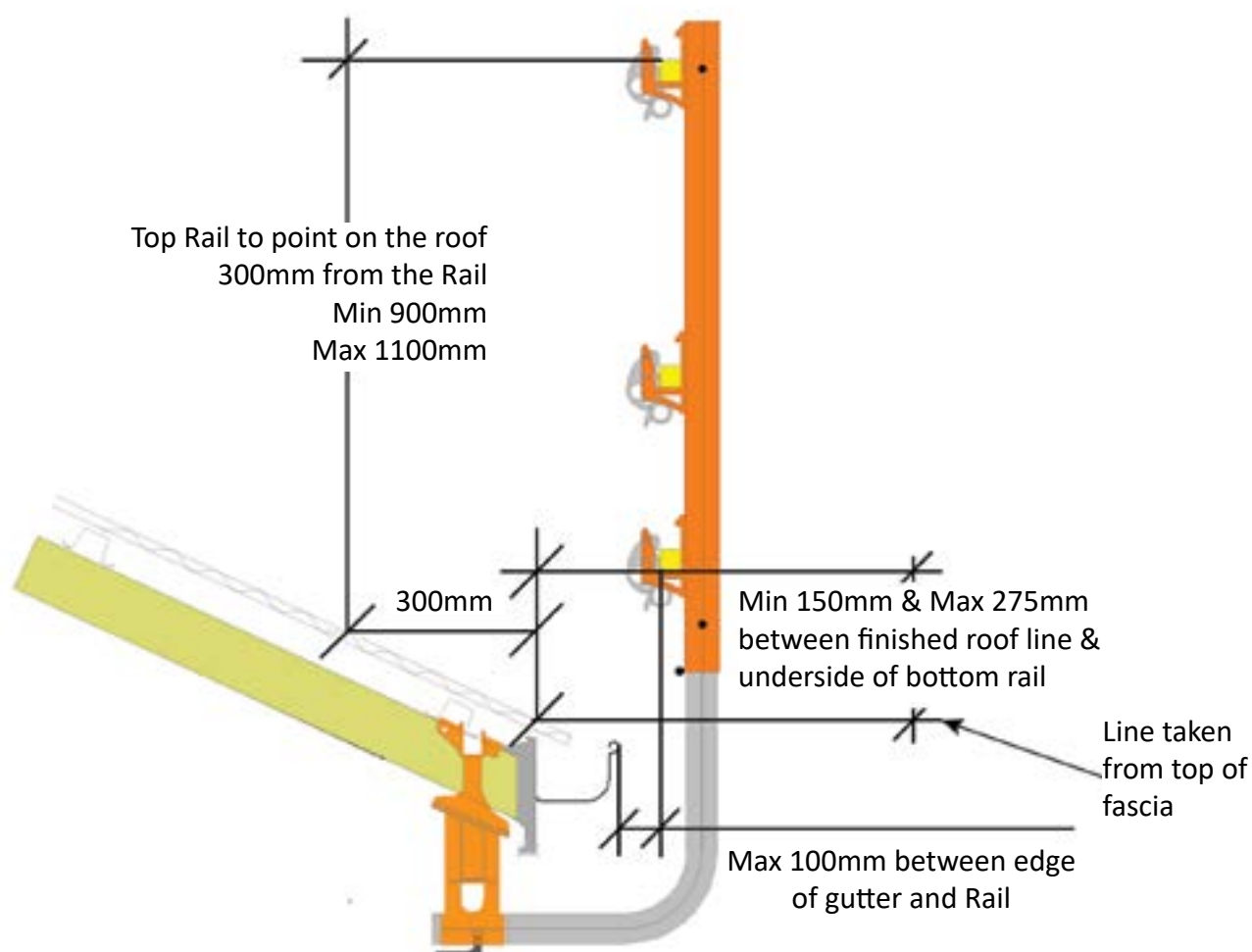
The Rail should not incline away from the roof at an angle greater than 20° to the vertical



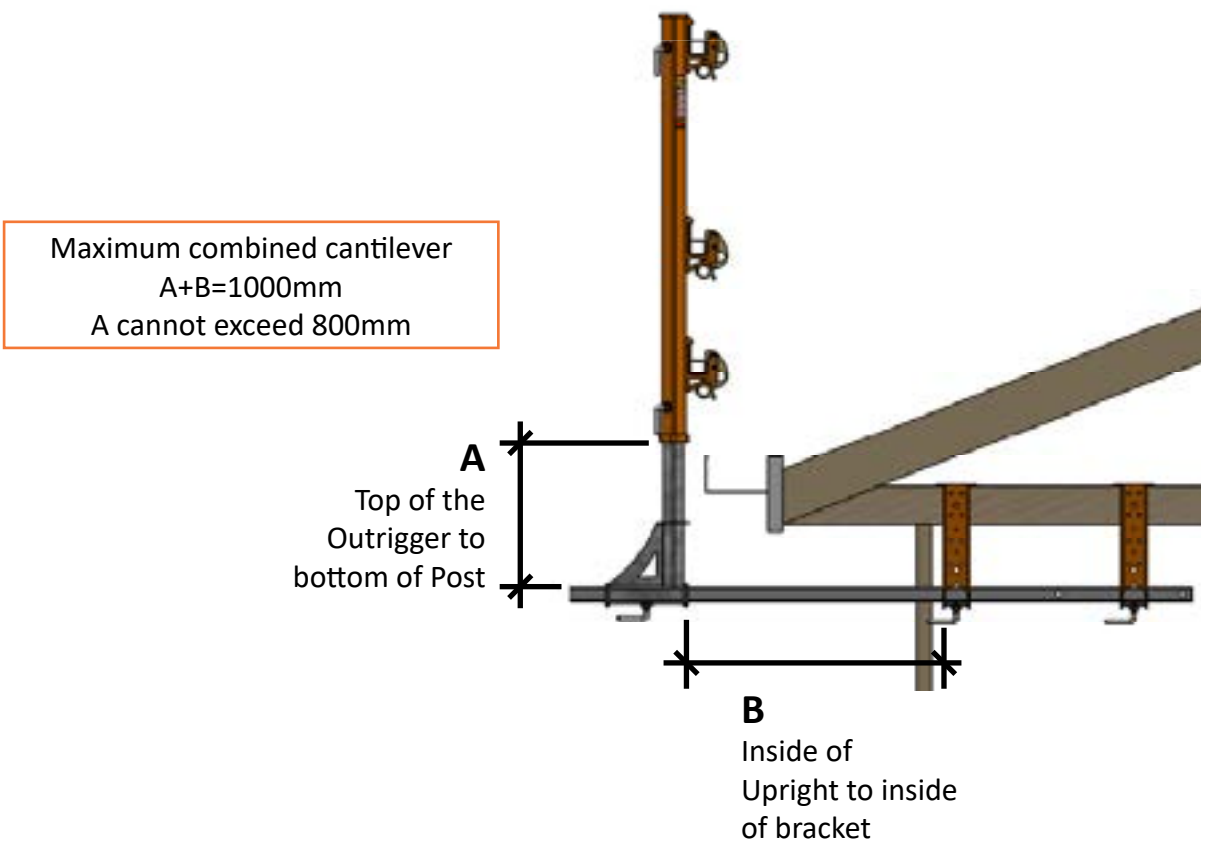
***Is the Top Rail minimum 900mm and maximum 1100mm high?***

***Is the bottom Rail minimum 150mm and maximum 275mm from the roof line?***

***Is the Rail maximum 100mm from the edge of the gutter?***

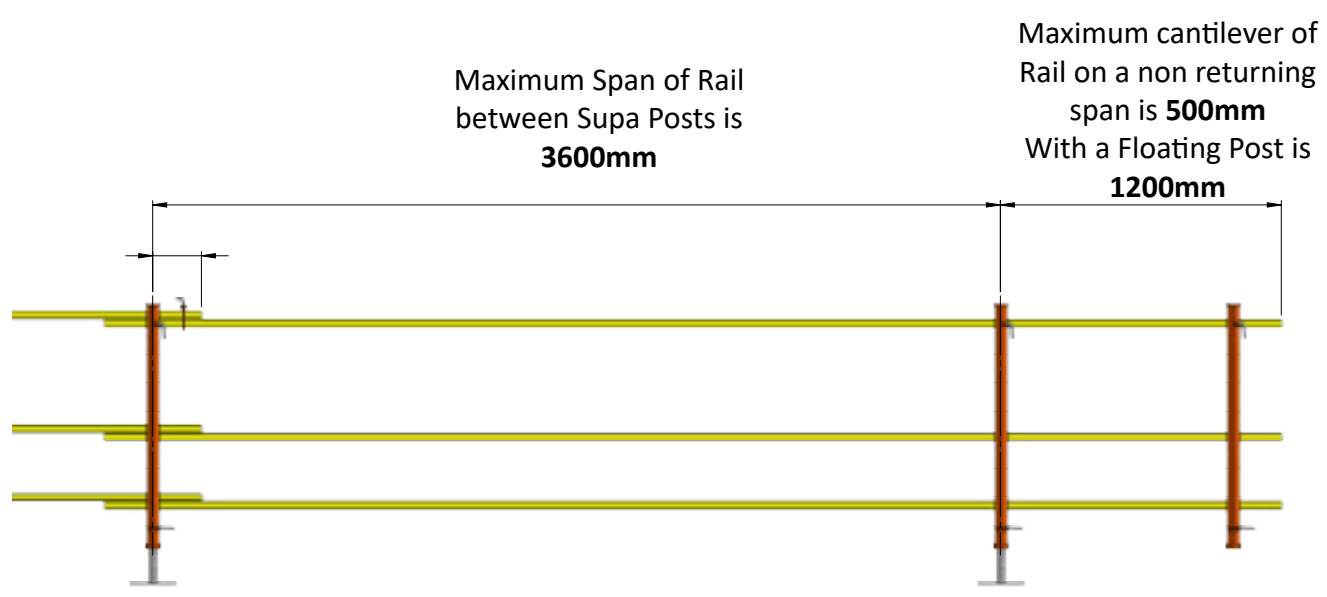


**Does the combined cantilever in a two part setup not exceed maximum  $A+B = 1000\text{mm}$ , A cannot exceed  $800\text{mm}$ ?**



**Does the span of Rail between Posts not exceed maximum  $3600\text{mm}$ ?**

**Does the non returning cantilever of Rail not exceed  $500\text{mm}$ , or  $1200\text{mm}$  with a floating Post?**



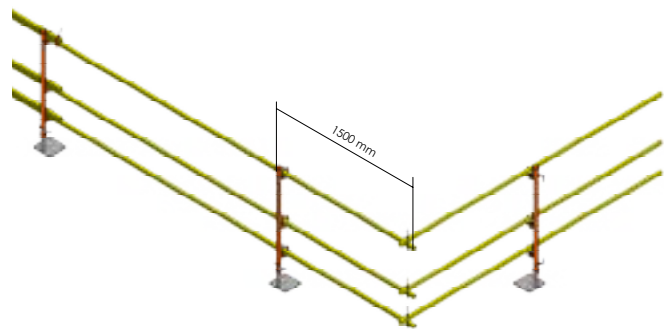
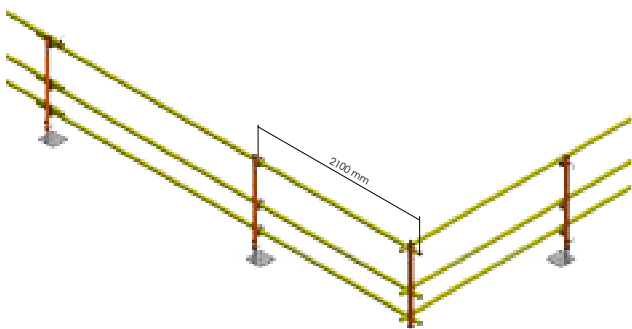
## ***Are all corners secured with a Corner Post or Rail Joiners?***

Check corners are sufficiently secured with a Corner Post with cams locked or Rail Joiners with L Bolt tightened



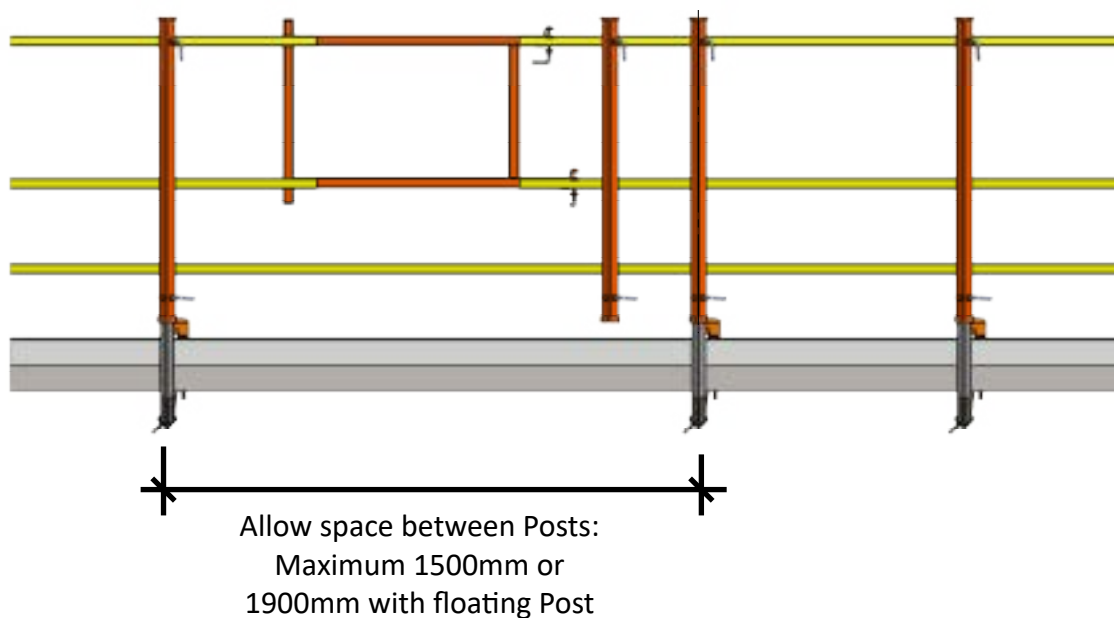
---

## ***Does the span to corners not exceed maximum 2100mm to a Corner Post or 1500mm to Rail Joiners?***



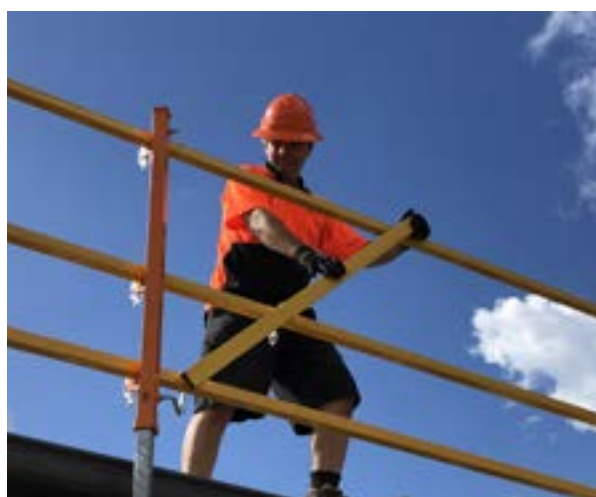


***Does the span between Posts at the Access Point not exceed maximum 1500mm, or 1900mm with a floating Post?***



***Are Rail Braces installed to every run of handrail except where Face Plates or Base Plates are used?***

Rail Braces prevent lateral movement and should be installed within 100mm of a Post



### ***Is all the Rail locked into Cams?***

Check that the Rail is properly locked into Cams

Unlocked



Locked



---

### ***Are all L Bolts and T Bolts connecting brackets secured?***

Check L Bolt and T Bolts are tightened at connections where required



# RAFTER FALLGUARD

## ***Is the system installed to sufficiently secured rafters?***

Check that the system has not been installed to unsecured Rafters

Look for a structural mechanical connection



---

## ***Rafter Clamps - are the jaws sufficiently tightened to the rafter?***

Check the bolt is tightened so the jaws clamp around the rafter



### ***Undertile Brackets - are brackets secured correctly?***

Top Fix secured with 2 screws



Side Fix secured with 3 screws



---

### ***Sheet Roof Brackets - are the feet secured with 2 screws each?***

Check both of the feet are secured to the battens with two roofing screws



# PERIMETER FALLGUARD

***Is the system installed to sufficiently secured sections of roof or upper floor?***

Check that all areas where the system is attached are sufficiently secured with permanent structural supports or sufficient temporary propping



---

***Face Plates - are face plates secured?***

Face Plate securing method varies greatly depending on the structure being attached to. Contact Buildsafe for specific securing instructions for individual installs



# INTERNAL FALLGUARD

## ***Base Plates - are brackets secured with 3 screws?***

Check Base Plates are secured with 3 screws as shown, with one penetrating the floor joist

This is the securing method for timber only





# BALCONY FALLGUARD

***Brick Clamps - are the clamps sufficiently secured to the structure?***

Check the Brick Clamp bolt is tightened so the clamps are sufficiently secured to the structure





**Fallguard Inspection Handbook**  
Version 1.3

Buildsafe 1300 558 027  
[buildsafe.net.au](http://buildsafe.net.au)

