

Date: 27th March 2025 Our Ref: ED/1199.

Board of Management, Scoil Naisunta Bhride, C/o Richard McMichael, Suite1 Bamford House, 91-93 Saintfield Road, Belfast, BT8 7HL

RE: Application for a Declaration of Exempted Development under Section 5 of Planning and Development Act 2000 (as amended) for development at Scoil Náisúinta Bhríde, Prosperous Road, Clane, Co. Kildare.

Dear Sir/Madam,

I refer to your correspondence received on 4th March 2025 in connection with the above.

Please find attached declaration made under Section 5 of Planning and Development Acts 2000 (as amended) in this regard.

Yours sincerely,

Senior Executive Officer Planning Department.

Comhairle Contae Chill Dara, Áras Chill Dara, Páirc Uí Dhubhuí, An Nás, Co. Chill Dara, W91 X77F Kildare County Council, Áras Chill Dara, Devoy Park, Naas, Co. Kildare, W91 X77F T 045 980200 • Lasmuigh de Ghnáthuaireanta/Out of Hours T 1800 500 444 E customerservice@kildarecoco.ie • www.kildarecoco.ie

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Declaration of Development & Exempted Development under Section 5 of the

Planning and Development Act 2000 (as amended).

ED/1199.

WHEREAS a question has arisen as to whether safety railings erected along the roof edge of the school at Scoil Náisúinta Bhríde, Prosperous Road, Clane, Co. Kildare, is exempted development,

AS INDICATED on the plans and particulars received by the Planning Authority on 4th March 2025

AND WHEREAS the Board of Management of Scoil Náisúinta Bhríde requested a declaration on the said question from Kildare County Council,

AND WHEREAS Kildare County Council as the Planning Authority, in considering this application for a declaration under Section 5 of the Planning and Development Act 2000 (as amended), had regard to;

- (a) Planning and Development Act 2000 (as amended) and
- (b) Planning and Development Regulations 2001 (as amended); and
- (c) Documentation received with the application

AND WHEREAS Kildare County Council has concluded that the development comprises works to which the provisions of the following applies:

- (a) Sections 2, 3, 4, 5 of the Planning and Development Act 2000 (as amended);
- (b) The nature, extent and purpose of the works,

NOW THEREFORE Kildare County Council, in exercise of the powers conferred on it by Section 5(2)(a) of the Planning and Development Act 2000 (as amended), hereby decides that the erection of safety railings along the roof edge of the school building at Scoil Náisúinta Bhríde, Prosperous Road, Clane, Co. Kildare *IS development and IS EXEMPTED development pursuant to Section (2, 3, 4, 5) of the Planning and Development Act as amended and Article 6, Article 9 of the Planning and Development Regulations as amended.*

Please note that any person issued with a declaration under subsection 2(a) of the Planning and Development Act 2000 (as amended) may on payment to the Board of the prescribed fee, refer a declaration to An Bord Pleanála within 4 weeks of the issuing of the decision.

27th March 2025.

Senior Executive Officer, Planning Department.

KILDARE COUNTY COUNCIL



\PLANNING & STRATEGIC DEVELOPMENT DEPARTMENT

Section 5 referral & declaration on development & exempted development

Planning & Development Act 2000 (as amended)

Reference No. ED/1199

Name Of Applicant(s):	Board of Management Scoil Náisiúnta Bhríde
Address Of Development:	Scoil Náisiúnta Bhríde, Prosperous Road, Clane,
	Co. Kildare
Development Description: Erection of safety railings along the roof edge	
	school building
Due date	1 st April 2025

Introduction

This is a request for a **DECLARATION** under Section 5(1) of the Planning and Development Act 2000 (as amended) to establish whether under Section 5 of the Act the works

'Safety railings erected along roof edge of school'.

Site Location

The site is located along the R-403 in western Clane town. The area is characterised by a mix of residential and commercial units on the edge of the town centre and Scoil Pháidraig and the Clane GAA club and pitch flanking the site on the west and south.

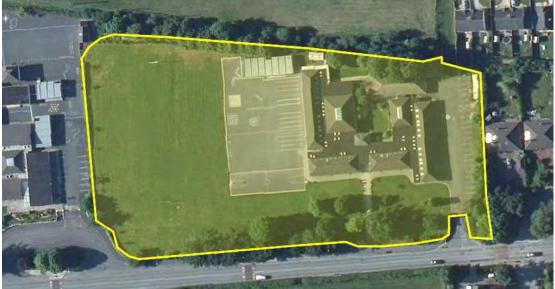
Description of Proposed Development

The applicant has applied for the erection of safety railings along the roof edge of the school building.

Fig 1: Site Location and context



Fig 2: Aerial view of subject site (KCC GIS)



Planning History

04/1918- Planning permission was granted to Scoil Bhríde National School on the 29/09/2004 for the erection of new prefabricated building (203. 2sq.m) to incorporate 2. no new classrooms with toilet facilities & 3 no. resource rooms with corridor link to existing school & associated site development works

08/701- 04/1918- Planning permission was granted to Board of Management Scoil Bhríde National School on the 06/10/2008 for the construction of 2no. new prefabricated classrooms (166msq) to the north of the site.

13/217- Planning permission was granted to The Board of Management Scoil Náisiúnta Bhride (Girls) National School on the 29/07/2013 for the construction of i) a two storey extension of approximately 1,933 sqm; (ii) changes to hard and soft play areas; (iii) additional car parking and other associated modifications to the existing site

layout; (iv) removal of 2 Nr. existing temporary classrooms upon completion of the proposed new development; (v) minor elevation changes to the existing building.

25/60247- A current planning application is being accessed that seeks permission for (i) a two-storey extension of approximately 1,933 sqm; (ii) changes to hard and soft play areas; (iii) additional car parking and other associated modifications to the existing site layout; (iv) removal of 2 Nr. existing temporary classrooms upon completion of the proposed new development; (v) minor elevation changes to the existing building.

Relevant Legislative Background

Section 2(1)

'<u>works</u>' includes any act or operation of construction, excavation, demolition, extension, alteration, repair or renewal and, in relation to a protected structure or proposed protected structure, includes any act or operation involving the application or removal of plaster, paint, wallpaper, tiles or other material to or from the surfaces of the interior or exterior of a structure.

Section 3(1)

In this Act, '<u>development</u>' means, except where the context otherwise requires, the carrying out of any works on, in, over or under land or the making of any material change in the use of any structures or other land.

Section 4(1)

The following shall be exempted development for the purposes of the Act-

(h) development consisting of the carrying out of works for the maintenance, improvement or other alteration of any structure, being works which affect only the interior of the structure or which do not materially affect the external appearance of the structure so as to render the appearance inconsistent with the character of the structure or of neighbouring structures.

Section 5(7) EIA Screening

The proposed development is not specified in Part 2 of Schedule 5 of the Planning and Development Regulations 2001(as amended). In any event, it is considered, having regard to nature, size and location, the proposed development would not be likely to have significant effects on the environment. Therefore, EIA is not required.

Planning and Development Regulations 2001 (as amended)

Article 6(1)

Subject to article 9, development of a class specified in column 1 of Part 1 of Schedule 2 shall be exempted development for the purposes of the Act, provided that such development complies with the conditions and limitations specified in column 2 of the said Part 1 opposite the mention of that class in the said column 1.

Article 9 (1)(a)(i)

Restrictions on exemption.

9. (1) Development to which article 6 relates shall not be exempted development for the purposes of the Act—

(a) if the carrying out of such development would—

- (i) contravene a condition or be inconsistent with a use of permission
- (ii) material widening of a means of access to a public road
- (iii) traffic hazard or obstruction of road user..... (iiia) hazardous glint and/or glare....
- (iv) infringes building line
- (v) works under a public road (other than certain infrastructural works) ...
- (vi) interfere with the character of a landscape/view of special interest
- (vii) excavation/alteration/demolition of features/places/caves.....
- (viiA) excavation, alteration or demolition of any archaeological monument ...
- (viiB) likely to have a significant effect on the integrity of a European site
- (viiC) likely to have an adverse impact on a a natural heritage area ...
- (viii) extension, alteration, repair or renewal of an unauthorised structure or use....
- (ix) demolition/alteration of building/structure, precluding a use where it is an objective for the structure to remain available for that use....
- (x) consist of the fencing/enclosure of any land habitually used by the public
- (xi) obstruct any public right of way...
- (xii) exterior works materially affecting the character of an ACA...

<u>Assessment</u>

The applicant has applied for the construction of the erection of safety railings along the roof edge of the school building.

"Works" are defined in Section 2 of the Act as 'any act or operation of construction, excavation, demolition, extension, alteration, repair or renewal and, in relation to a protected structure or proposed protected structure, includes any act or operation involving the application or removal of plaster, paint, wallpaper, tiles or other material to or from the surfaces of the interior to exterior of a structure'.

Section 3 of the Planning and Development Act 2000 (as amended) defines "development' as the 'carrying out of any works on, in, over or under land, or the making of any material change in the use of any structures or other land'. It is considered that the proposal constitutes development as 'works', including the material change of the structure would be carried out.

The applicant has stated in the submitted documentation that the proposed safety railings are collapsible when not in use. It is considered that given the height, design siting and the collapsible nature of the safety railings, the proposed development would not materially affect the external appearance of the structure so as to render the appearance inconsistent with the character of the structure or of neighbouring structures. Therefore, the proposed development is considered exempted development.

Conclusion

Having regard to:

- Sections 2, 3, 4 and 6 of the Planning and Development Act 2000 (as amended);
- Articles 6 and 9 of the Planning and Development Regulations 2001 (as amended); and
- The nature, extent and purpose of the works;

it is considered that the proposed works **constitutes development** as defined in Section 3(1) of the Planning and Development Act 2000 (as amended) and **is exempted development** as defined by the Planning and Development Act 2000 (as amended) and the Planning and Development Regulations 2001.

Recommendation

It is recommended that the applicant be advised that the development as described in the application *is development and is exempted development.*

Signed:

Thomas Mooney Graduate Planner 18/03/2025

Coegeth Malia

Signed:

Carroll Melia Senior Executive Planner 27/03/2025

Declaration of Development & Exempted Development under

Section 5 of the Planning and Development Act 2000 (as amended)

WHEREAS a question has arisen as to whether Safety railings erected along roof edge of school'.

AS INDICATED on the plans and particulars received by the Planning Authority on 28/02/2025

AND WHEREAS The Board of Managment Scoil Náisúinta Naoimh Bhríde requested a declaration on the said question from Kildare County Council,

AND WHEREAS Kildare County Council as the Planning Authority, in considering this application for a declaration under Section 5 of the Planning and Development Act 2000 (as amended), had regard to;

- (a) Planning and Development Act 2000 (as amended); and
- (b) Planning and Development Regulations 2001 (as amended);

AND WHEREAS Kildare County Council has concluded that the proposal comprises of development to which the provision of the following applies:

(a) Sections 2, 3, 4, 5 of the Planning and Development Act 2000 (as amended);
(b) The nature, extent and purpose of the works,

NOW THEREFORE Kildare County Council, in exercise of the powers conferred on it by Section 5(2)(a) of the Planning and Development Act 2000 (as amended), hereby decides that -

Erection of safety railings along the roof edge of school building.

IS development and IS EXEMPTED development pursuant to Section (2, 3, 4, 5) of the Planning and Development Act as amended and Article 6, Article 9 of the Planning and Development Regulations as amended.

Please note that any person issued with a declaration under Section 5 of the Planning and Development Act 2000 (as amended) may on payment to the Board of the prescribed fee, refer a declaration to An Bord Pleanála within 4 weeks of the issuing of the decision.

Appendix 1: Appropriate Assessment Screening



APPROPRIATE ASSESSMENT SCREENING REPORT AND DETERMINATION

(A) Project Details	
Planning File Ref	ED1199
Applicant name	Board of Management Scoil Náisiúnta Bhríde
Development Location	Scoil Náisiúnta Bhríde, Prosperous Road, Clane, Co.
	Kildare
Site size	4.491h
Application	No
accompanied by an	
EIAR (Yes/NO)	
Distance from Natura	4.8km
2000 site in km	
Description of the project/proposed development –	
Safety railings erected along roof edge of school	

	Identification of Natura 2000 posed development) sites which may be impa	cted by the
			Yes/No If answer is yes, identify list name of Natura 2000 site likely to be impacted.
1	Impacts on sites designated for freshwater habitats or species. <u>Sites to consider</u> : River Barrow and Nore, Rye Water/Carton Valley,	Is the development within a Special Area of Conservation whose qualifying interests include freshwater habitats and/or species, or in the catchment	No
	Pollardstown Fen, Ballynafagh lake	(upstream or downstream) of same?	

2	Impacts on sites	Is the development	
-	designated for wetland	within a Special Area of	
	habitats - bogs, fens,	Conservation whose	
	marshes and heath.	qualifying interests	
	Sites to consider:	include wetland habitats	No
	Ballynafagh Bog, Red Bog,	(bog, marsh, fen or	110
	Ballynafagh Lake,	heath), or within 1 km of	
	Pollardstown Fen, Mouds	same?	
	Bog.	Sumo.	
3	Impacts on designated	Is the development	
	terrestrial habitats.	within a Special Area of	
	Sites to consider:	Conservation whose	
	Pollardstown Fen,	qualifying interests	No
	,		INU
	Ballynafagh Lake.	include woodlands,	
		dunes or grasslands, or	
		within 100m of same?	
4	Impacts on birds in SPAs	Is the development	
	Sites to consider:	within a Special	No
	Poulaphouca Resevoir	Protection Area, or within	
		5 km of same?	

Conclusion:

If the answer to all of the above is **No**, significant impacts can be ruled out for habitats and bird species.

No further assessment in relation to habitats or birds is required. If the answer is **Yes** refer to the relevant sections of **C**.

If the a	inswer is Yes r	eter to the relevant sections of C.	
(C) S	SCREENING C	ONCLUSION STATEMENT	
Sele	cted relevant c	ategory for project assessed by ticking box.	
1	AA is not ree	quired because the project is directly connected	
	with/necess	ary to the conservation management of the site	
2	No potential	significant affects/AA is not required	
3	Significant effects are certain, likely or uncertain.		
	Seek a Natura Impact Statement		
	Reject proposal. (Reject if potentially damaging/inappropriate)		
Justi	fy why it falls i	into relevant category above (based on information	
in abo	in above tables)		
Nam	e:	Thomas Mooney	
Posi	tion:	Graduate Planner	
Date	:	18/03/2025	

COMHAIRLE CONTAE CHILL DARA



KILDARE COUNTY COUNCIL

Director of Services Order

OF March YEAR 2025

I, Alan Dunney, Director of Services, am duly authorised and delegated by Chief Executive's Order number: CE48043 to make the following Order in accordance with Section 154 of the Local Government Act, 2001, as amended.

ORDER NO:	DO57743	Section:	Planning
SUBJECT:	Richard McMic Belfast, BT8 7F railings erected	hael, Suite 1, Bamfor IL. Exempt Developm	coil Naisuinta Bhride, c/o d House, 91-93 Saintfield Road, nent Application for safety of the school building at Scoil Clane, Co. Kildare
SUBMITTED:		commendation from t n the Council's Techr	the Senior Executive Planner hical Officers.
ORDER:	I hereby order the following Kildare County Council, in exercise of the powers conferred on it by Section 5(2)(a) of the Planning and Development Act 2000 (as amended) hereby decides that the proposed development is development and is exempted development.		
MADE THIS 27	7H DAY		Kendung

DIRECTOR OF SERVICES

Kildare County Council Declaration of Exempt Development under Section 5,

of the Planning and Development Act 2000

Incomplete application forms will be deemed <u>invalid</u> and <u>returned</u>

building



All responses must be in <u>block</u> <u>letters</u>

Section 1	Details of Applicants
1. Name of Appl	icant(s) A. Surname Scoil Naisiunta Bhride Forenames Board of Management Phone No 045868614 Fax No
2. Address Sco	vil Naisiunta Bhride, Prosperous Road, Clane, Naas, Co Kildare, W91PF77
Section 2	Person/Agent acting on behalf of applicant (if applicable)
1. Name of Perso	on/Agent: Surname McMichael Forenames Richard
2. Address Suite	Phone No 07913900889 Fax No e 1, Bamford House, 91-93 Saintfield Rd, Belfast, BT8 7HL
Section 3	Company Details (if applicable)
 Company Reg Address 	pany Phone No Fax No J. No
Section 4	Details of Site
1. Planning Histo	ory of SiteN/A
2. Location of Pr W91PF77	roposed Development Scoil Naisiunta Bhride, Prosperous Road, Clane, Naas, Co Kildare,
3. Ordnance Sur	vey Sheet No3384-B, 3384-D
4. Please state th	e Applicants interest in the site Owner
5. Please state th	e extent of the proposed development Safety railings erected along roof edge of school

6. Under what Section of the Planning and Development 2000 and/or what provision of the Planning and Development Regulations 2001 is exemption sought (specific details required) Section 4(1)(h) of the Planning and Development Act, 2000.

7. Please give a detailed description of the Proposed Development (Use separate page if necessary)...... Safety railings erected along roof edge

Section 5	The following must be submitted for a valid application	
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	(Plea	se Tick)
1.	Site Location Map (1:2500 Rural Areas) (1:1000 Urban Areas)	\checkmark
2.	A Site Layout Plan (Scale 1:500) in full compliance with Article 23 of Planning and Development Regulations 2001	\checkmark
3.	Drawings of the development (Scale 1:50) in full compliance with Article 23 of Planning and Development Regulations 2001	\checkmark
4.	All drawings to differentiate between the original building, all extensions and proposed development	\checkmark
5.	Fee of 80 Euro	\checkmark

Section 6	Declaration
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I, Richard McMichael, certify that all of the above information is correct and I have submitted all the required documents as outlined at Section 6 above.

len _____

Signature:

Date: 20/02/2025



Kildare County Council Planning Department Áras Chill Dara Devoy Park Naas Co Kildare W91 X77F Carlin Planning Limited Suite 1 Bamford House 91-93 Saintfield Road Belfast BT8 7HL

E: Richard@carlinplanning.com T: 07913900889

20th February 2025

Proposal: Section 5 application for the erection of safety railings on roof of the main school building

Location: Scoil Naisiunta Bhride, Prosperous Road, Clane, Naas, Co Kildare, W91PF77

On behalf of the applicant Board of Management Scoil Naisiunta Bhride, we are pleased to submit this Section 5 application for erection of safety railings on roof of the main school building. In support of this submission, the following information is attached:

- 1. Site Location Map Copy 1 (McAdam, Drawing Ref. BCK-MCA-XX-00-DR-A-1004)
- 2. Site Layout Plan Copy 1 (McAdam, Drawing Ref. BCK-MCA-XX-00-DR-A-1005)
- 3. Existing Roof Plan (McAdam, Drawing Ref. BCK-MCA-XX-01-DR-A-2002)
- 4. Existing Elevations Sheet 1 of 2 (McAdam, Drawing Ref. BCK-MCA-XX-ZZ-DR-A-3001)
- 5. Existing Elevations Sheet 2 of 2 (McAdam, Drawing Ref. BCK-MCA-XX-ZZ-DR-A-3002)
- 6. Proposed Roof Plan (McAdam, Drawing Ref. BCK-MCA-XX-01-DR-A-2005)
- 7. Proposed Elevations Sheet 1 (McAdam, Drawing Ref. BCK-MCA-XX-ZZ-DR-A-3005)
- 8. Proposed Elevations Sheet 2 (McAdam, Drawing Ref. BCK-MCA-XX-ZZ-DR-A-3006)
- 9. Kee Guard Roof Edge Fall Protection System specification
- 10. Kee Guard 'The Safety Solution for Free Standing Roof Edge Protection' brochure
- 11. Photographs 1-5 (Contained in the appendices of this cover letter)



1 Justification

We believe that the proposed works meet the definition for exempted development, as Section 4(1)(h) states that:

"Development consisting of the carrying out of works for the maintenance, improvement or other alteration of any structure, being works which affect only the interior of the structure or <u>which do not materially affect the external appearance of the</u> <u>structure so as to render the appearance inconsistent with the character of the</u> <u>structure or of neighbouring structures.</u>"

The edge protection will extend 1.1m above the existing ridge height and can be folded down when not in use. This minimal projection, combined with the placement of the railings, their open design, and their ability to fold flat, ensures they will not materially impact the school's external appearance. Additionally, due to their scale, character, and ability to be concealed when not in use—along with the size of the building and the distance from adjacent properties—the railings will not affect the character of any neighboring structures.

The supporting documentation outlines the basis for this conclusion. We look forward to your feedback and are happy to provide any further information if needed.

Kind regards,

Richard McMichael
Planner













Photo 2:











Photo 3:



Photo 4:



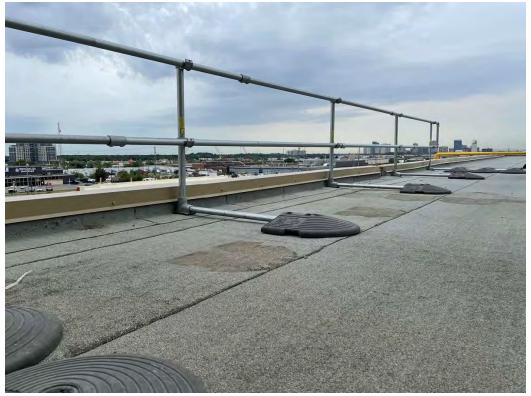








Photo 5:

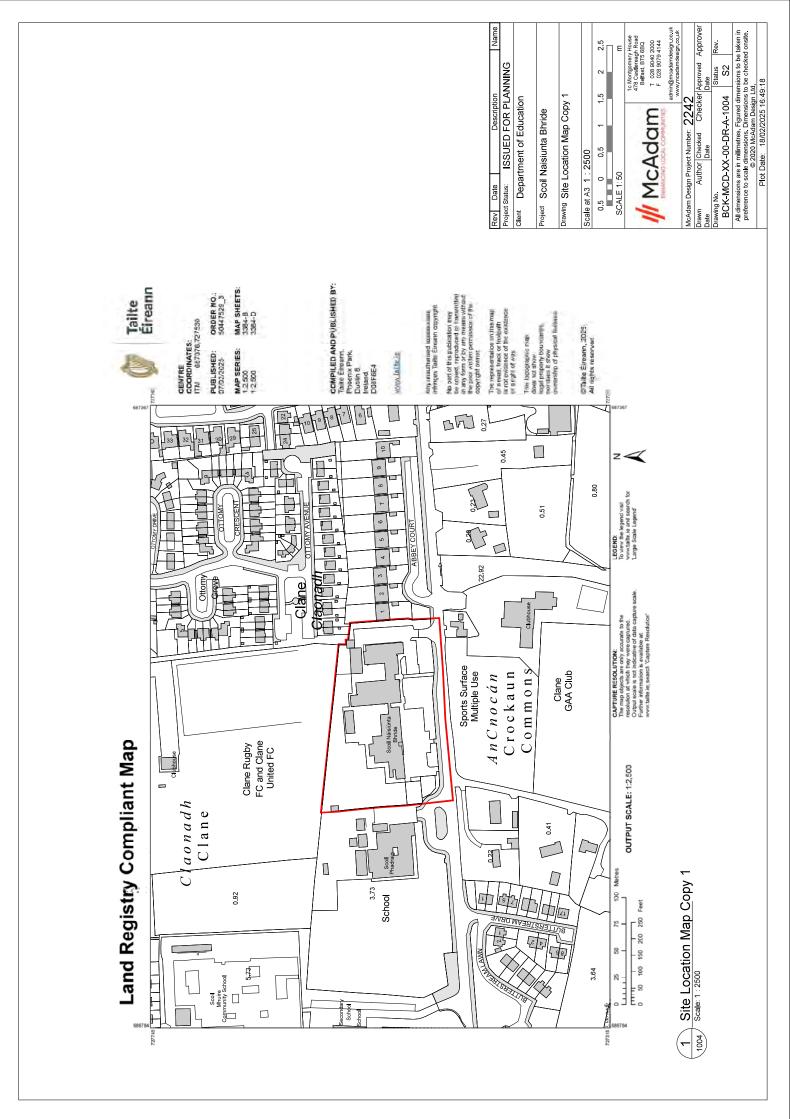




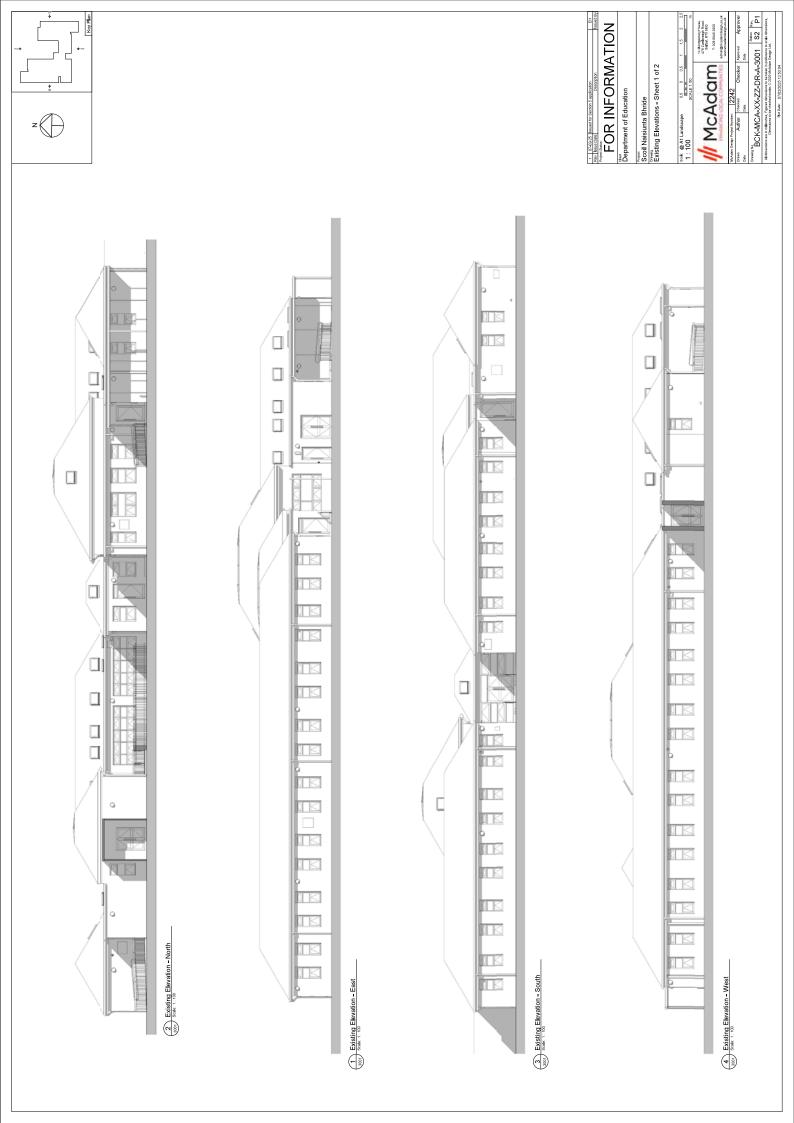


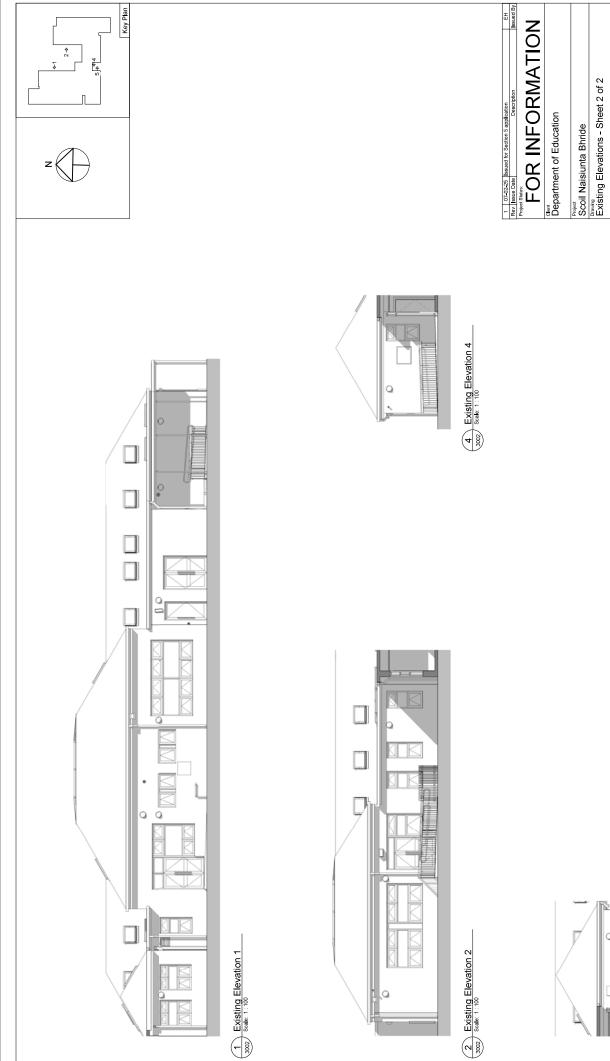










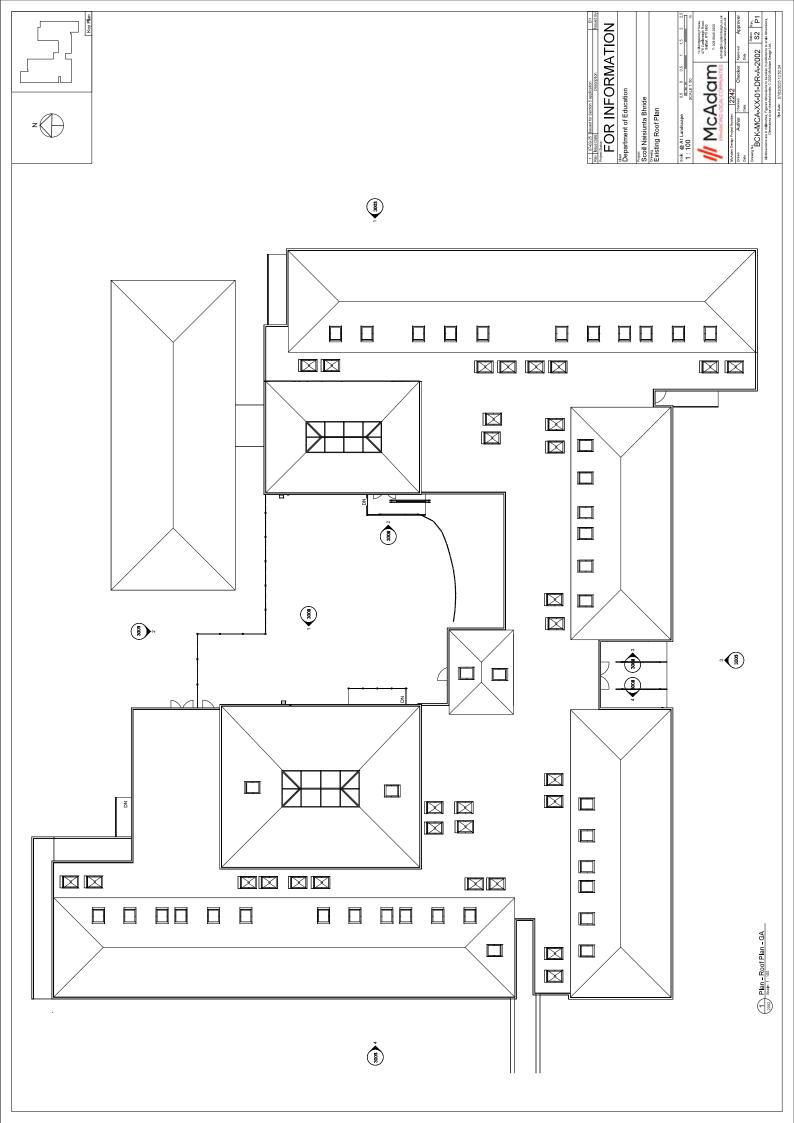


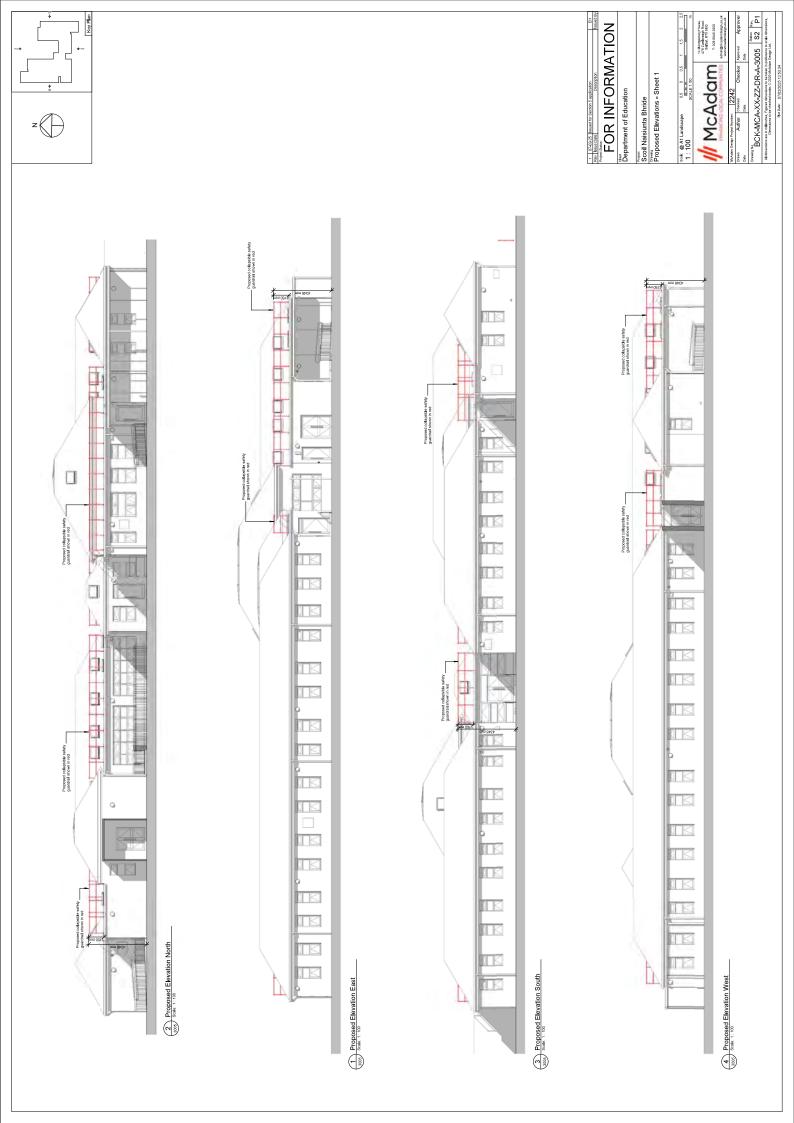


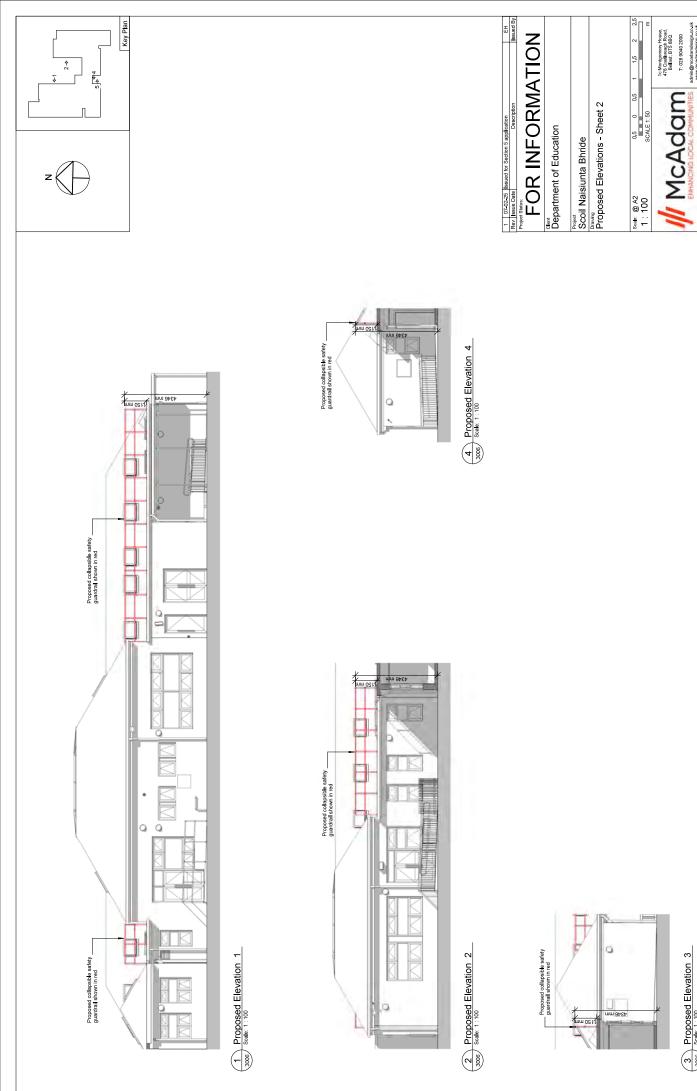
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All dimensions are in millimetres. Figured dimensions to be taken in preference to scale dim Dimensions to be checked onsile. © 2020 McAdam Design Ltd.

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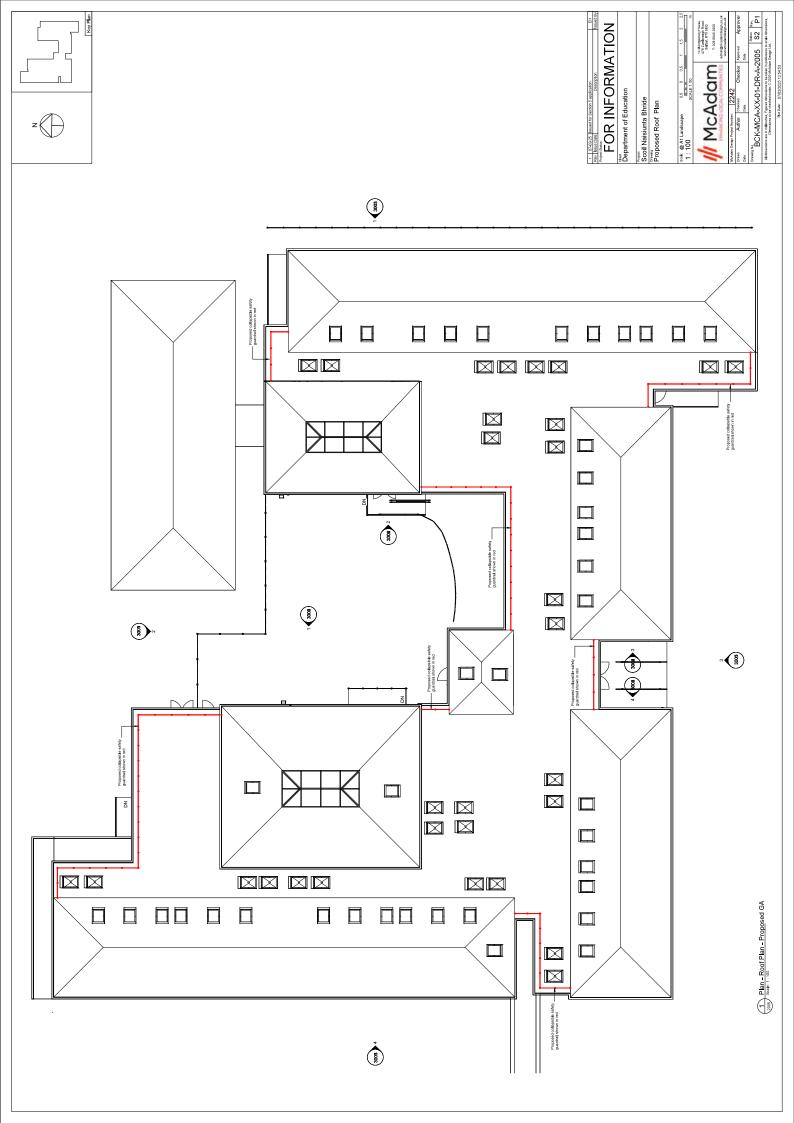


Proposed Elevation 3 3006 Scale: 1:100

Drawing Mo. BCK-MCA-XX-ZZ-DR-A-3006 S2 P1 Checker Approved Date McAdam Design Project Number: 2242 Dravm Author Checked

admin@mcadamdesign.co.uk www.mcadamdesign.co.uk Approver

All dimensions are in millimetres. Figured dimensions to be taken in preference to scala dime Dimensions to be checked onsite. © 2020 McAdam Design Ltd. Plot Date: 07/02/2025 12:53:44





SAFETY AT THE HIGHEST LEVEL

The Safety Solution for Free Standing Roof Edge Protection



- PROVIDES COLLECTIVE PROTECTION FOR ALL ROOF TOP WORKING
- MEETS THE REQUIREMENTS OF THE 'WORKING AT HEIGHTS' LEGISLATION
- COMPLIES WITH EN ISO 14122 PART 3, EN 13374 CLASS A & BS 13700
- RECYCLED PVC WEIGHTS ENSURE NO PENETRATION OF THE ROOF SURFACE

Why You Need Fall Protection?

In the UK, according to the Health and Safety Executive (HSE), falls from height are the biggest cause of death and the second biggest cause of serious injuries in the workplace. Every day contractors require regular access to rooftops to carry out essential building, repair and maintenance work.

Under the amended Work at Height Regulations 2007, it is the moral duty and legal responsibility of those in control of rooftop work to do all that is reasonably practical to prevent anyone falling. Companies whose business involves working at height have to ensure they provide suitable safety equipment and have appropriate procedures in place before allowing their staff to work in potentially dangerous situations.

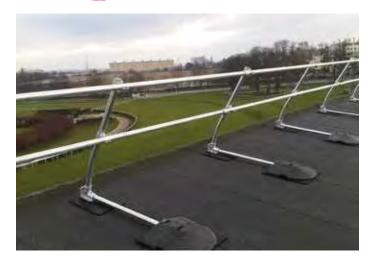
By using correctly installed and tested fall protection systems you can ensure the safety of anyone who has to access a roof.



As a leading supplier of both Collective and Personal Protection products Kee Safety has a portfolio which can eliminate many of the unnecessary risks that are still taken every day by people working at heights.



KeeGuard[®] Free Standing Roof Edge Protection



KEEGUARD is a modular free standing roof edge protection system that has been fully tested and approved which does not penetrate the roof membrane. By using a correctly installed and tested **KEEGUARD** system you can ensure the safety of anyone who has access onto a flat roof.

Easy to handle, recycled PVC weights provide stability and galvanised **KEE KLAMP** fittings and tube complete the system. **KEEGUARD** is supplied in prefabricated kit form with a minimum number of assemblies which allows for ease of installation. It is a safe, versatile system which delivers reliable collective protection.



Free standing non-penetrative roof edge protection, galvanised steel.



Free standing non-penetrative roof edge protection, lightweight aluminium.



Free standing non-penetrative roof edge protection, foldable to protect buildings aesthetics and easily re-erected when required. Available in galvanised steel or with aluminium top and mid rails.



Collective protection solution for metal profile and standing seam roofs, utilises a standard base plate with multiple fixing centres. Available in both galvanised steel and aluminium options.

The KeeGuard[®] System



Durability and Simplicity

- Corrosion resistant all iron fittings are galvanised to EN ISO 1461
- Fittings use case hardened steel setscrews with KEE KOAT protection
- Minimum components for ease of installation
- Modular design allows reconfiguration on site if needed
- Sections can be added to or taken down, for reconstruction elsewhere
- Unique open style fitting allows quick installation of horizontal rails
- Three types of upright available (see page 5)
- No penetration of the roof membrane
- No welding, threading or bolting required on site
- Can be colour coated to any RAL colour
- Installation can be customised to cope with ladder access and any other fixed rooftop obstructions.

Setting the Standards

When correctly designed and installed, **KEEGUARD** will meet or exceed the following safety requirements:

- EN ISO 14122 Part 3
- EN 13374 Class A
- BS 13700
- HSG-33 Health & Safety in Roof Work
- HSE INDG 284 "Working on roofs"
- BS 6399: Part 2 1995 Wind Code.



Kee[®] Guard

Safety and Versatility

- System works on a proven counterbalance system
- Suitable for use on concrete, asphalt, PVC membrane and felt roof surfaces
- Compatible with almost all configurations of flat roofs up to 10 degrees slope
- Integral toeboard fixings
- Assemblies are fitted with anti-slip pads
- Design load: 300 N/m applied horizontally along the top rail
- Coloured cover strip available for counterbalance tube to reduce trip hazard.



6600

A Typical KeeGuard[®] Configuration when Secondary Restraint is Available

KEEGUARD free standing roof edge protection system meets the requirements of EN 14122 pt. 3 by use of sufficient counter-weight restricting the movement of the guard rail in the event it being called into use. Where a parapet (minimum height 150mm) is in place which can help to absorb some of the force applied against the rail the following configuration can be used.

2200

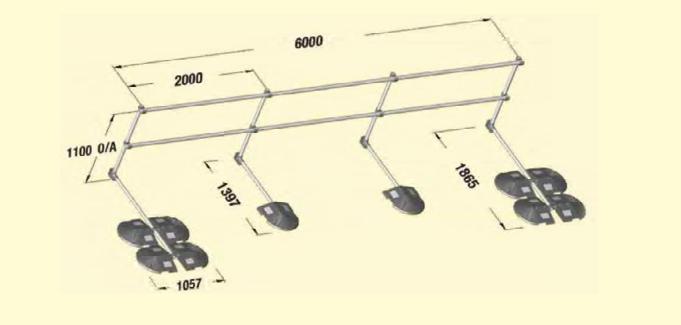
The bay lengths are 2.2 metres and the free ends require two weights per free end.

If the end bay length is reduced to 1.5m, only one weight is needed per free end.

A Typical Unrestrained KeeGuard[®] Configuration

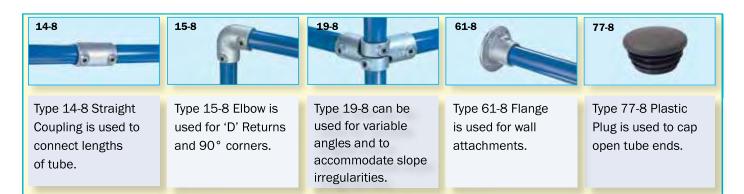
1100 0/

This is a typical free standing layout, utilising maximum 2.0 metre bays and the required base weight configuration.



Essential Kee Klamp[®] Fittings Used to Complete a KeeGuard[®] System

Kee® Guard



Recycled, Easy to Handle PVC Base Weights

The recycled PVC weights used with **KEEGUARD** bring a number of advantages to the system, and particularly make installation quicker and easier, saving both time and money.

- 13.5 kg per weight
- Size: 460 x 500 x 85mm
- Carrying handles moulded into the design
- Available in black as standard. Other colours available by request at extra cost
- Moulded surface to improve grip
- Optional covers for counterweight tube available to minimize trip hazards
- Environmentally friendly
- Made from 100% recycled material in the EU

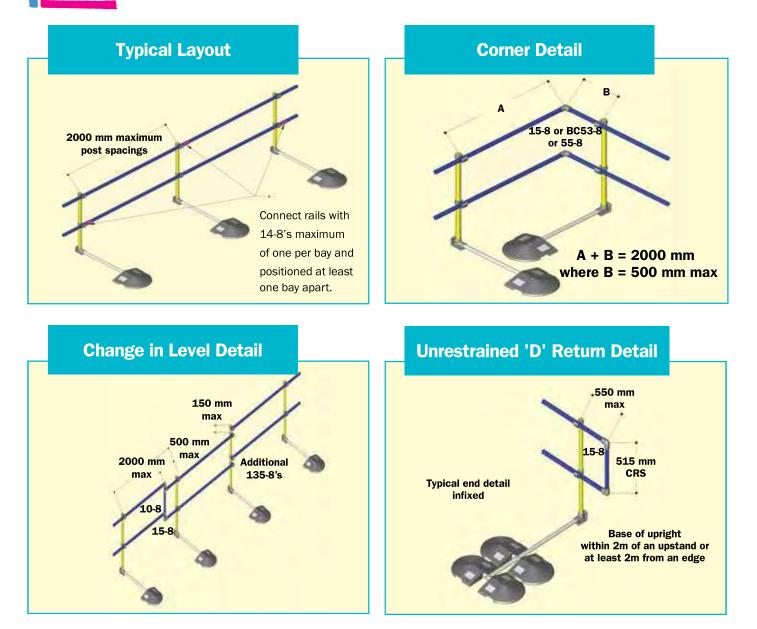
N. B. To protect asphalt roofs from damage it is recommended that Elastomer tiles, available from Kee Safety, are placed under all uprights and counterweights.

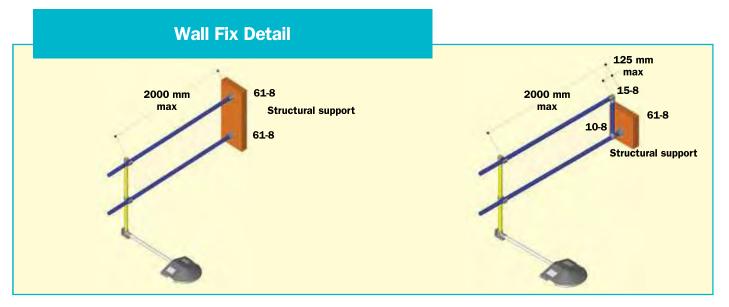




KeeGuard[®] Upright Options







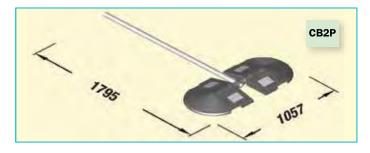
KeeGuard[®] Counterbalance Configurations



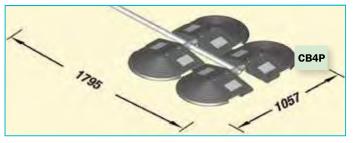
CB1P

500

The diagram to the right details a CB1P main counterbalance configuration. When used in restrained situations, these should be placed a maximum distance of 2.2 metres apart in a straight run. Whenever a 90° corner is required, a **KEE KLAMP** fitting 15-8 should be used on each rail. It is essential that an upright is no further than 500mm from the corner and the total length between uprights around the corner is no greater than 2 metres. In a straight run, lengths of handrail are connected together using a **KEE KLAMP** fitting 14-8.



The diagram on the right shows an end of run assembly in the CB4P configuration, for use in unrestrained applications. This should be used for end uprights when there is no tie in to the building and at the end of a run that exceeds 6 metres in length. For runs of less than 6 metres, please contact our technical team for advice. The diagram to the left shows a CB2P counterbalance configuration, for use on free ends when the system has secondary restraint available. Reducing the bay size further can reduce the weight requirement to 1.



Collective Protection Accessories



Unique design does not require any drilling, a slot on the back of the toeboard accepts a bolt head which prevents the bolt from spinning during assembly. Upright fixings and splice kits for corners and straight sections are also available.

Toeboard can be installed directly to the KGU upright assembly or by using a TB3 saddle bracket direct to the upright.

Required when there is no upstand beneath or in front of a guard rail to protect users or equipment below from falling objects.



To allow compliance with the EN 14122-3 requirement for a self closing gate Kee Safety offers a Standard Lockable Gate kit.

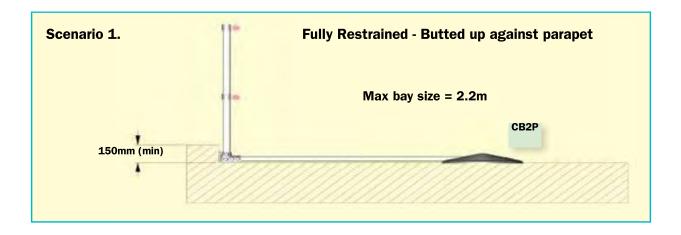
It incorporates uprights and an adjustable spring mechanism to control the speed of the gate closure, available in left or right hand options.

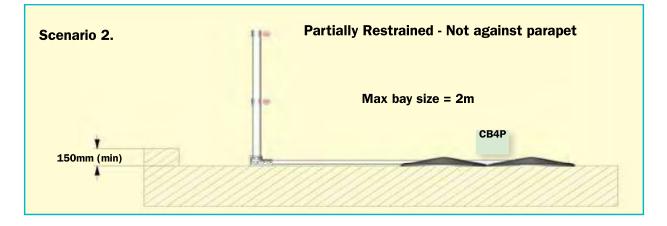
RH product code: TCG-1, LH product code: TCG2.

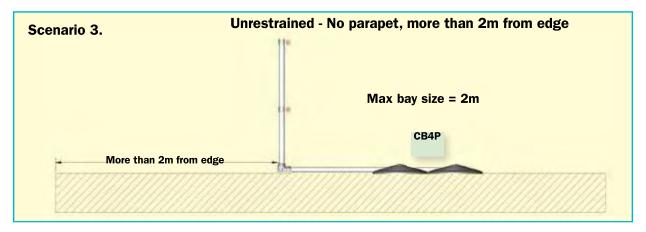
In addition the following KEE KLAMP fittings $4 \times 135-8$ and $2 \times 130-875$ are required for each gate ordered plus the appropriate free end counterweight assemblies.

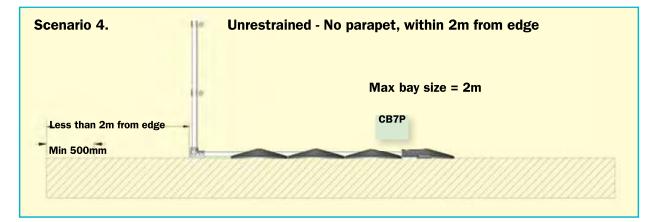
Kee° Safetv

KeeGuard[®] Free End Counterbalance Details









Kee[®] Guard

Aluminium Free Standing Roof Edge Protection

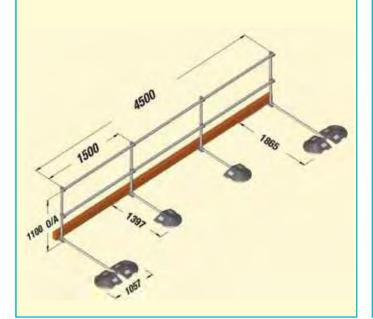
KeeGuard[®] Lite

KEEGUARD Lite is the Aluminium safety solution for free standing roof edge protection, a lightweight alternative to the standard **KEEGUARD** system.

KEEGUARD Lite is supplied in prefabricated kit form, with the uprights, rails and fittings manufactured in Aluminium, grub screws supplied in Stainless Steel and recycled PVC base weights. The lightweight system can be installed with minimal effort, thus saving time and money during on-site installation.

KeeGuard[®] Lite for Use when Secondary Restraint is Available

KEEGUARD Lite can be used where secondary restraint, such as a parapet wall (minimum height 150mm) is available.





Features

- Aluminium rails and uprights
- Modular system supplied in prefabricated kit form
- Recycled, easy to handle PVC base weights
- Complies with EN 14122 pt.3
- Uses Size 7 (horizontal) and 8 (vertical) tube with bay size a maximum 1.5 metres
- Independently tested at APAVE
- Available for standard, radiused and raked uprights.

Benefits

- Safe, reliable and versatile collective fall protection solution
- Savings in installation time and cost
- Does not penetrate the roof fabric
- Lightweight and corrosion resistant
- Aesthetically attractive
- Minimal long term maintenance keeps on going costs down
- Can be colour coated if required.

Essential Kee Lite[®] Fittings Used to Complete a KeeGuard[®] Lite System



Type L14-7 Straight Coupling is used to connect lengths of tube.



Type L15-7 Elbow is used for 'D' Returns and 90° corners.



Type L19-7 can be used for variable angles and to accommodate slope irregularities.



Type L61-7 Flange is used for wall attachments.



Type 77-8 Plastic Plug is used to cap open tube ends.



Free Standing Folding Roof Edge Protection

When collective protection is the preferred method of providing a safe working environment but it is not desirable to have railings permanently visible on the roofline of a building, **KEEGUARD** Foldshield provides an ideal solution.

Designed for use on slopes up to 10 degrees, this folding system is suitable for use on asphalt, concrete, mineral felt or PVC sheet covered roofs and complies with the requirements of EN 13374 & BS 13700.







Utilising a hinged version of the standard **KEEGUARD** base fitting, shown below, the guardrail can easily be lifted into place when work is in progress and then quickly folded back down when finished.



KEEGUARD Foldshield offers all the flexibility of standard **KEEGUARD** allowing continuous runs, fixed ends, corners, changes in direction etc, or can be installed in 6m sections with 'D' returns (as illustrated) to enable it to be folded quickly and simply.

A simple locking pin is all that needs to be removed from the fitting to allow it to pivot.

Two people can easily raise or fold down a standard section (max length 6.4m) of guardrail. To minimise the weight of a section **KEEGUARD** Foldshield is also available in a configuration to allow aluminium mid and top rails.

With a maximum bay size of 2 metres it can be used in both restrained and unrestrained applications.

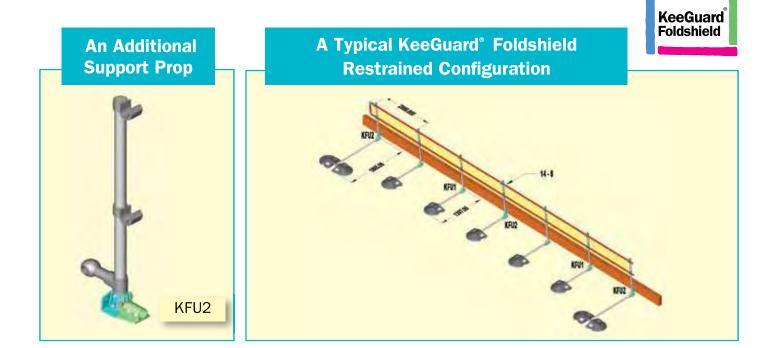
In order to use the folding fitting in a restrained situation, an additional support prop (shown on the next page) is added to the uprights at six metre intervals to allow sufficient room for the fitting to pivot. A minimum roof up-stand of 250mm is required.

Features

- Folds down when not in use
- Main fitting can only pivot in one direction
- System can be raised and lowered in sections
- Complies to EN 13374 & BS 13700

Benefits

- Does not spoil building aesthetics
- No possibility of the guardrail folding the wrong way
- Saves time and increases flexibility .



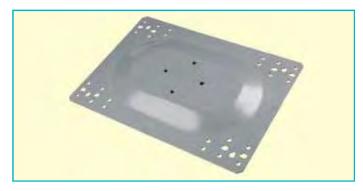
Roof Edge Protection for Standing Seam and Metal Profile Roofs



KEEGUARD Topfix provides a simple solution when collective protection is the preferred safety option for metal profile and standing seam roofs up to 45 degree pitch.

The specially designed powder coated base plate, which incorporates multiple fixing centres, allows installation to a wide range of popular roofs. Being an 'off the shelf' product, specification is simpler and it also removes the need to fabricate a different solution for each site, minimising site visits and down time.

Base plates for standing seam roofs are fixed using non-penetrative 2-part clamps and metal profile roofs are fixed with minimal penetrations using rivets and butyl sealing strip to maintain the roof's integrity.



Fixing centres for standing seam roofs: 305, 400 and 500mm.

Fixing centres for trapezoidal profile roof panels: 310, 333, 400 and 500mm.



Being part of the **KEEGUARD** range **KEEGUARD** Topfix allows for fast installation using preassembled uprights and open cup fittings and easily accommodates ridges, valleys, corners, changes in level and self closing gates etc. using standard **KEE KLAMP** fittings.

The standard upright base fitting allows for 0-11 degree vertical adjustment and four fixing holes in the base plate allow it to be used in the most beneficial plane to suit the roof profile.

Available in both galvanised steel and aluminium finish.

Complies with the test requirements of BS EN 14122 part 3, BS EN 13374 Class A and BS 13700, bay sizes for galvanised EN 14122 are 2.5m (1.75m end bays).

KeeGuard[®] Topfix

Roof Edge Protection for Standing Seam and Metal Profile Roofs

Features

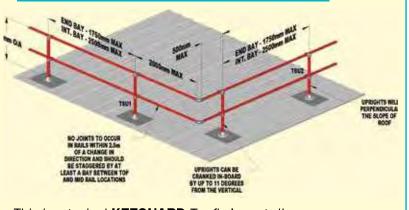
- Suits a wide range of metal profile and standing seam roofs
- Modular prefabricated 'off the shelf' system
- Galvanised or Aluminium options
- Complies with the test requirements of BS EN 14122 part 3, EN 13374 Class A and BS 13700.



Benefits

- A collective protection solution for metal roofs
- Easier specification means less site visits
- Fast installation, saving time and money
- Non-penetrative solution for standing seam roofs
- Watertight fixings for metal profile roofs.

A Typical KeeGuard[®] Topfix Layout



This is a typical **KEEGUARD** Topfix layout diagram 6m Plus Trapezoidal Metal Profile Roofs - EN 14122 Pt 3.



Kee Safety Limited Cradley Business Park Overend Road Cradley Heath B64 7DW, UK

 Tel:
 +44 (0) 1384 632 188

 Fax:
 +44 (0) 1384 632 192

 Email:
 sales@keesafety.com

 Website:
 www.keesafety.co.uk

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PART I - GENERAL

Summary: Provide and install freestanding KeeGuard® Roof Edge Fall Protection System, including tube railings, bases, counterweights, fittings and delivery to site.

Reference: EN14122 Part 3 & EN13374 Class A, all applicable, local and national codes.

Finish: Tube for handrails, mid-rails, uprights and counterweight connection is to be galvanised mill finished to the requirements of EN ISO 1461.

Kee Klamp® Components shall be galvanised to meet EN ISO 1461.

Design Requirements:

Railing shall consist of top rails, mid rails, uprights, counterweights and connections.

All tube connections to be Kee Klamp® structural tube components manufactured to the requirements of EN1562/1563.

Railing assembly shall be capable of withstanding a load of 300 N/m applied at any point on the top rail. Test in accordance with EN 14122 part 3.

Submittals:

Shop drawing; Indicate profiles, sizes, connections, size and type of fastners and accessories. Filed Measurements:

Verify field measurements prior to assembly and/or ordering.

PART II PRODUCTS

Manufacturer: Kee Safety Ltd, Cradley Business Park, Overend Road, Cradley Heath, West Midlands B64 7DW, England. Tel: +44 (0) 1384 632 188, Fax +44 (0) 1384 632 192. www.keesafety.co.uk Components:

Tube: EN39 & EN10255.

Rails and Posts: 48.3 OD steel tube, galvanised.

Kee Klamp components: Elbows, Crossovers, Wall flanges, Tees, Couplings, galvanised.

Mounting Bases: Iron bases are galvanised and are supplied with a rubber pad on underside of the component.

Counterweights: Moulded recycled PVC.

PART III EXECUTION

Installation:

For all connections with Kee Klamp $\mbox{\ensuremath{\mathbb{R}}}$ Components, each set screw is to be tightened to 39 N/m of torque.

Placement of uprights and counterweights to manufacturer specifications as stated in the KeeGuard® Installation Instructions.

Terminate the run as stated in the KeeGuard® Installation Instructions. Schedules:

Freestanding counterweighted guardrail system with 1.1m nominal height to provide a barrier on the roof which withstands a load of 300 N/m applied to the top rail per EN 14122 Part 3/EN13374 Class A.

Acceptable low slope, roof edge fall protection to be KeeGuard® manufactured by Kee Safety Ltd



Kee Safety Ltd., Cradley Business Park, Overend Road, B64 7DW, UK

Tel: +44 (0) 1384 632 188 Fax: +44 (0) 1384 632 192

Email: sales@keesafety.com www.keesafety.co.uk

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