



**CELTIC ASBESTOS
CONSULTANCY LTD**

60 Grange Way, Baldoye Industrial Estate, Baldoye, Dublin 13, D13 F8F5
Tel 01 8323547 Email: info@cacl.ie Website: www.cacl.ie



Asbestos Refurbishment & Demolition Survey (including Sampling and Analysis) for *Oppermann Associates*

at

**Inver College,
Cloghvalley Upper,
Carrickmacross,
Co. Monaghan**





Celtic Asbestos Consultancy Ltd

60 Grange Way, Baldoyle Industrial Estate, Baldoyle, Dublin 13, D13 F8F5
Tel 01 8323547 Email: info@cacl.ie Website: www.cacl.ie

Client Name:

Oppermann Associates

Unit D1,
The Steelworks,
Foley Street,
Dublin 1

Contact: Michele Sweeney

Phone: 01 88 99 800

Email michele@oppermann.ie

Site Full Name:

Inver College, Cloghvalley Upper, Carrickmacross,
Co. Monaghan

Project N° and Revision N°	Report Status	Surveyor	Report Author	Approved by	Issue Date
A-01910 (Revision 1)	Issued	James Howard / Sean Kenny	James Howard	 Jonathan Fagan	07/09/2020
Comments: No additional comments					
Comments:					
Comments:					

Client Name:	Oppermann Associates	Project Number:	A-01910
		Survey Date:	19/08/20 to 20/08/20
Site Address:	Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan	Report Revision Date:	07/09/2020
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Section 1 - Executive Summary

1. General Information:

Celtic Asbestos Consultancy was instructed by **Oppermann Associates** to carry out an **Asbestos Refurbishment & Demolition Survey** to inspect for the presence of asbestos containing materials (ACMs) at the following site:

Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan

(See below for full list of areas inspected)

- Only the areas marked up on the drawings in section 12 of this report were included within the survey, all other areas were out of scope and not investigated.
- The building at the above address was constructed circa 1950s with various additions, it has sampled slate, concrete, metal, Bangor slate and timber roof. Brick and concrete external walls with concrete, and brick, block and plasterboard internal walls. Concrete floors with various modern and sampled coverings and concrete and timber ceilings with plasterboard and non-asbestos ceiling tiles. Modern boiler and flue pipe installed circa 2015, and modern windows. Non-asbestos insulation to pipes and ceiling.
- James Howard and Sean Kenny took 13 samples with various other cross references and presumptions made, further information about these materials can be found in sections 1, 9, 10, 11, 12 and 13 of this report.
- This survey was carried out on 19/08/20 to 20/08/20 by James Howard, Sean Kenny.
- The report was completed on 07/09/2020 by James Howard and authorised by Jonathan Fagan.
- The premises were surveyed as follows:

Survey Plan was put together through communication with the client. A walk through of the building was performed with the client's representative to note any areas of concern and clarify scope.

6.1 Samples were obtained of suspect materials. Where access was not possible, presumptions or strong presumptions were made.

6.2 This report should be read in its entirety, including any Appendices and CACL accepts no responsibility for sub division of this report or the way in which its recommendations are acted upon.

6.3 This purpose of this report is to assist the client identify ACM's within the building in order for them to be removed without risk, prior to the building being demolished.

- This report does not imply that all other hazards were under control at the time of the survey.

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Section 1 - Executive Summary

Asbestos was identified in the following:

Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan						
Sample	Floor	Location	Description	Asbestos	Extent / Amount	Recommended Action
S1	Ground Floor	Circulation, 0-001	Electrics - Cement Product	Amosite, Chrysotile	1 m ²	Remove
S4	Ground Floor	Deputy Principals office, 0-002	Floor - Vinyl Floor Covering & Bitumen	Chrysotile in both	Approx. 12 m ²	Remove
S7	Ground Floor	Boiler room, 0-044	Pipes - Gaskets (compressed)	Chrysotile	Approx. 16 no	Remove
S8	Basement	Basement, -1-001	Walls and ceiling - Thermal Insulation	Amosite, Chrysotile	Small amounts	Restrict access & remove
S9	External	Roof, 99-007	Cement Roofing - Cement Product	Amosite, Chrysotile	80 Approx. m ²	Remove
S10	External	High level roof, 99-008	Roof - Cement Slate	Amosite, Chrysotile	Approx. 340 m ²	Remove
S11	External	Flat roof areas, 99-010	Roof - Rope	Chrysotile	16 no	Remove
S12	External	Roof, 99-011	Roof - Cement Slate	Amosite, Chrysotile	Approx. 130 m ²	Remove
S13	External	Low level roof, 99-012	Cement Slate - Cement Slate	Amosite, Chrysotile	3 m ²	Remove

Asbestos was Strongly Presumed in the following:

Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan						
Sample	Floor	Location	Description	Asbestos	Extent / Amount	Recommended Action
XS10	External	Flat roof areas, 99-009	Debris - Cement Slate	Amosite, Chrysotile	10 m ²	Remove

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60 Grange Way, Baldoye Industrial Estate, Baldoye, Dublin 13, D13 F8F5
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Section 1 - Executive Summary

Asbestos was presumed in the following:

Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan						
Sample	Floor	Location	Description	Asbestos	Extent / Amount	Recommended Action
Presumed	Void	Roof void, V-001	No Access	Chrysotile/ Amosite/ Crocidolite	Unknown	Presume asbestos is present until further investigation
Presumed	Void	Roof void, V-003	No Access	Chrysotile/ Amosite/ Crocidolite	Unknown	Presume asbestos is present until further investigation
Presumed	Ground Floor	Circulation, 0-001	Electrics - Flash Guards	Chrysotile	Numerous	Remove
Presumed	Ground Floor	Boiler room Sub floor duct, 0-044	No Access	Chrysotile/ Amosite/ Crocidolite	Unknown	Presume asbestos is present until further investigation

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Section 2 - Survey Objectives

1. Produce a report, in a database format, indicating areas containing asbestos identified and suspected asbestos based materials, including photographic records of asbestos occurrences where possible.
2. To carry out a Pre-demolition & Refurbishment Asbestos Survey and subject all areas within the scope and proposed for refurbishment and/or demolition to a survey under the requirements of HSG264 and Celtic Asbestos Consultancy's internal procedures: QA doc 19a.
3. To include a risk assessment for each individual sample
4. A refurbishment and demolition survey is needed before any refurbishment and demolition work is carried out in the same property but in different areas. This type of survey is used to locate and describe, as far as reasonably practicable, all ACMs in the area where the refurbishment and demolition work will take place.
5. The survey will be fully intrusive and involve destructive inspection, as necessary, to gain access to all areas; including those that may be difficult to reach.
6. The survey report should be supplied, by the client, to designers and contractors who may be bidding for the work, so that the asbestos risks can be addressed. In a Refurbishment & Demolition survey, the asbestos is identified for safe removal so no exposure is caused during works. This type of survey does not normally assess the condition of the asbestos as there is no need to manage it once removal has taken place.

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Section 3 - Survey Techniques

1. Materials of a similar type were only occasionally sampled and it was assumed that other surfaces identical to where the sample was taken, was of a similar composition.
2. Photographs were taken at all sample locations (unless otherwise stated).
3. Samples were returned to the INAB accredited Celtic Asbestos Consultancy's permanent Laboratory for analysis.
4. All Asbestos Bulk Sample Analysis is conducted by using Polarised Light and Dispersion Staining Techniques. Dispersion Staining is used to describe the colour effects produced when a transparent colourless particles or fibre is immersed in a liquid having a refractive index near that of the particle or fibre, and is viewed under a microscope using transmitted white light (using Celtic Asbestos Consultancy's internal procedures QA doc 19c based on HSE Publication HSG 248).
5. BOHS qualified surveyors carry out an inspection of the premises in order to identify ACM's. Samples of suspected ACM's are taken using fibre suspension techniques in order to minimise respirable fibre release and were analysed to determine the presence of asbestos.
6. The samples taken were analysed to determine whether the sample contains a certain type of asbestos and do not give out a quantity of asbestos present. Whether a material is determined friable and notifiable to the HSA is a decision made by the surveyor based upon material type and condition, sample result and experience. The surveyor will err on the side of caution where any doubt exists.
7. The risk assessment is carried out by applying the risk algorithms of a Material Assessment algorithm. The risk assessment determines the recommendation of management, removal or encapsulation.
8. There are two levels of presumption which may be noted in the report and these are described below:
 - a. Presumed to contain asbestos – for example where no access was gained to an area, building, piece of plant, equipment or similar because it was locked, inaccessible or unsafe (e.g. floor tiles or textured coating).
 - b. Strongly presumed to contain asbestos – where similar materials continue throughout rooms, corridors, ducts, roof voids etc and have either been sampled and positively identified, or the experience of the surveyor, is obviously an ACM (e.g. cement rainwater pipe, spray coating, insulating board).

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Section 4 - Survey Caveat

1. This report is based upon a destructive inspection of an unfamiliar site. During the course of the survey, all reasonable efforts were made to identify the physical presence of materials containing asbestos within the areas of the building. Whilst every effort was made to locate all Asbestos Containing Material's, some may have been missed due to repairs, alterations etc., where false and other finishes have been applied or where different specifications (including a possible mixture of asbestos and non-asbestos) panels have been used in the same area. Only by sampling each panel would the composition of all the materials be known. This is not practical in terms of cost or time. It is known that asbestos materials are frequently concealed within the fabric of buildings or within sealed building voids so that it is not possible to regard the findings of any survey as being definitive. It must always remain a possibility that further asbestos containing materials may be found during refurbishment or demolition activities. For reasons set out in this report, the results cannot give an assurance that all asbestos materials have been found and must not be thought to do so. CACL do not accept responsibility for any omissions or areas of the building not addressed in the report.
2. We recommend that if any suspicious products are uncovered during works that an asbestos consultant should be contacted and further samples should be taken of suspect materials which may be uncovered within the areas of the site which were not uncovered and included in this survey.

Limitations:

- All areas and services remained live during the survey, limited access beneath and behind all stored items, furniture, wall mounted items and white goods.
- As the school was live with pupils in during the survey, intrusions had to be kept to a minimum, gaining full access to all areas would cause significant unrepairable damage.
- Limited access gained within all ceiling voids, box works and beneath all fixed, ceramic, timber and vinyl flooring.
- Limited access beneath all pipe insulations, as pipes were live and hot.
- Limited access within all wall, floor and ceiling voids and cavities, limited beneath and behind all window sills, window reveals, door frames, fire doors and skirting. Gaining full access to these areas would cause significant damage
- Limited access within all high level roof voids, Void would need specialist high level access equipment to be accessed fully.
- No access gained beneath and roofing felts on flat roof areas, as building is still live, gaining access beneath felts could possibly cause water ingress within the building.
- No access behind any sampled materials, gaining access behind these materials could potentially disturb asbestos fibres.

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Section 5 - Survey Notes

1. This report has been written with reference to the various Guidance Notes etc, issued, and current at the date of this report and describes circumstances at the site on the date the investigation took place.
2. No air monitoring, unless specifically requested and noted, was carried out whilst the survey was undertaken and therefore care was taken not to cause disturbance of fibre or contamination of clean surfaces.
3. Samples were only taken where deemed necessary, and where a suspected material appeared to be repeatedly used within an area only a representative number of samples were taken, i.e. insulation boards, sprayed insulation, cement products etc.
4. If a product is uncovered that appears different to the majority of areas, a consultant should be contacted a further sampling arranged.
5. Any person undertaking work within the buildings should be informed of the presence of asbestos. This briefing also applies to any other person associated with the site, including staff, sub-contractors and others.
6. The drawings in the report are not to scale and are illustrative only to indicate approximate locations. The descriptions used are for location identification purposes.
7. All the recommendation in this report are based upon assumptions made after consideration of the type of material, condition of the material, its location, analysis result and type of use the area is thought to be subjected to. However, statutory authorities or others, could require amendments based on local knowledge, change in legislation, change in use or indeed, other conditions of criteria.
8. Equipment, machinery, ducting etc. was not moved, opened up or examined for the purpose of this investigation except in the occasion where hatches were available.
9. The quantifications stated, within this survey report, are based on our Surveyor's estimates and should not be used for contractual purposes.
10. Opinions and Interpretations are outside the scope of INAB Accreditation held by Celtic Asbestos Consultancy.

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Section 6 - Excluded Areas

The Following rooms / areas could not be accessed during the survey. Asbestos Containing Materials (ACMs) should be deemed as being present in these areas until proven otherwise.

Building Name	Floor	Room / Area	Comments
Inver College, Cloghvalley Upper, Carrickmacross	Void	V-001 - Roof void	No safe access to erect ladder due to stored items and furniture beneath hatch
Inver College, Cloghvalley Upper, Carrickmacross	Void	V-003 - Roof void	No safe access to erect ladder due to stored items, computers and furniture beneath hatch
Inver College, Cloghvalley Upper, Carrickmacross	Ground Floor	0-044 - Boiler room Sub floor duct	No safe access to trace pipe work in under floor ducting. Pipes possibly run under floor beneath the school

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Section 7 - Explanation of Survey Terms

1 PRE-DEMOLITION & REFURBISHMENT ASBESTOS SURVEY

A Pre-Demolition & Refurbishment Asbestos Survey is to be carried out within a building or within a defined area of a building that is planned or preparing for the structure and finishing fabric of that area to be demolished and/or to undergo refurbishment works. The recommendation for any Asbestos Containing Material, (ACM) identified is automatically for removal, irrespective of the type, condition, product type or asbestos type, in order to proceed with refurbishment/demolition. The subsequent outline of type, condition, product type accessibility and asbestos type is given to provide information for the removal process.

The method of assessment, which has been adopted, is generally based on Health and Safety Executive publication HSG264: "Asbestos-The Survey Guide".

2 MATERIAL ASSESSMENT AND ALGORITHM

The material assessment is an assessment of the condition of the ACM, or the presumed ACM, and the likelihood of it releasing fibres in the event of it being disturbed in some way. This material assessment will give a good initial guide to the priority for management, and also friability for removal, as it will identify the materials, which will most readily release airborne fibres if disturbed. However, there are other factors to take into account when prioritising action.

HSG264 recommends the use of an algorithm to carry out the material assessment, and contains an example. The algorithm is a numerical way of taking into account several influencing factors, giving each factor considered a score. These scores can then be totalled to give a material assessment score. The use of algorithms is not infallible, but the assessment process is clear for all to see, so if discrepancies arise, it should be possible to track back through the assessment process to find the root of the error. The algorithm shown in HSG264 considers four parameters that determine the risk from an ACM: that is the ability to release fibres if disturbed. These four parameters are:

- Product type;
- Extent of damage;
- Surface treatment; and
- Asbestos type

Each of the parameters is scored and added to give a total score between 2 and 12:

- ☐ Score of 10 or more - high potential to release fibres if disturbed
- ☐ Score 7-9 - medium potential to release fibres if disturbed
- ☐ Score 5-6 - low potential to release fibres if disturbed
- ☐ Less than 4 - very low potential to release fibres if disturbed

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Section 8 – Explanation of Survey Recommendations

- 1 The recommendations detailed are based on each item's potential for releasing fibres as described in HSG264 Asbestos: the survey guide. The positive identification of asbestos bearing materials is detailed in the individual sample data sheet which outlines the risk assessment and recommendations.
- 2 A quantifiable assessment of the risk of fibre release is only made during a management survey, where asbestos can remain in place and managed by using an algorithm which takes into account all factors relevant to the item and the normal activities of the building occupants.
- 3 When refurbishment/demolition is planned, any asbestos identified that the refurbishment work will affect, will be removed prior to works starting.
- 4 All asbestos removal work must be carried out in accordance with S.I. No. 386 of 2006 Safety, Health and Welfare at Work (Exposure to Asbestos) Regulations 2006 and amended version 2010 and Guidelines issued by the Health & Safety Authority in Ireland. All contractors must undertake specific training in order to work with any asbestos and must take all steps reasonably practicable to prevent exposure to asbestos. Competent asbestos removal contractors should be able to provide their client their asbestos specific insurance.
- 5 All asbestos waste outlined above must be transported under hazardous waste license to a landfill or hazardous waste facility with a consignment note.
- 6 Notification must be submitted to the HSA 14 days prior to removal of friable asbestos with a certificate of reoccupation given on completion.
- 7 Recommendations for the asbestos products identified in this survey are as described in the executive summary/material assessment and asbestos register at the end of the report.

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Section 9 - Material Assessment (Photo Small)

Sorted by: Location ID

Site Address: Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan
Client Name: Oppermann Associates
Project Number: A-01910

FLOOR:	Ground Floor			SURVEY DATES:	19/08/2020		
ROOM NAME / NO.:	0-001			SAMPLE REF NO.:	S1		
							
PRODUCT TYPE:	Cement Product			ACCESSIBILITY:	Easy		
FOUND IN:	Electrics						
LOCATION:	Circulation			EXTENT / QUANTITY:	1 m ²		
ASBESTOS TYPE	NON ASBESTOS	0		EXTENT OF DAMAGE / DETERIORATION	GOOD CONDITION	0	
	CHRYSTOLE	1	✓		LOW DAMAGE	1	✓
	AMOSITE	2	✓		MEDIUM DAMAGE	2	
	CROCIDOLITE	3			HIGH DAMAGE	3	
	OTHER (ACTINOLITE/TREMOLITE/ANTHOPHYLLITE)	2			LOOSE ASBESTOS	3	
SURFACE TREATMENT	COMPOSITE MATERIAL	0		FIBRE RELEASE POTENTIAL	HIGH RISK	10-12	
	ENCLOSED SPRAY / LAGGING, PAINTED / ENCAPSULATED AIB, ASBESTOS CEMENT SHEETS	1	✓		MEDIUM RISK	7-9	
	UNSEALED AIB OR ENCAPSULATED LAGGING AND SPRAYS	2			LOW RISK	5-6	✓
	UNSEALED LAGGING / SPRAY COATING	3			VERY LOW RISK	1-4	
PRODUCT TYPE	ASBESTOS REINFORCED COMPOSITES	1	✓	RECOMMENDED ACTION	REMOVE		✓
	ASBESTOS INSULATING BOARD, TEXTILES, GASKETS, ROPE, PAPER, FELT	2			REPAIR / SEAL ENCAPSULATE		
	THERMAL INSULATION, SPRAYED ASBESTOS, LOOSE ASBESTOS	3			LABEL AND MANAGE		

OTHER RELEVANT INFORMATION:

Cement panel to the wall at rear of fuse boxes within electrical cupboard

All work with asbestos materials must be carried out in accordance with SI No 386 of the Safety, Health & Welfare at Work (Exposure to Asbestos) Regulations 2006 & amended version 2010 & Guidelines issued by the Health & Safety Authority in Ireland. 14 days notification may be required to the HSA. Ensure valid asbestos insurance & evidence of current training & competency is obtained from your selected approved asbestos removal contractor prior to works commencing.

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Tel 01 8323547 Email: info@cacl.ie Website: www.cacl.ie



Section 9 - Material Assessment (Photo Small)

Sorted by: Location ID

Site Address: Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan
Client Name: Oppermann Associates
Project Number: A-01910

FLOOR:	Ground Floor			SURVEY DATES:	19/08/2020		
ROOM NAME / NO.:	0-002			SAMPLE REF NO.:	S4		
							
PRODUCT TYPE:	Vinyl Floor Covering & Bitumen			ACCESSIBILITY:	Medium		
FOUND IN:	Floor						
LOCATION:	Deputy Principals Office			EXTENT / QUANTITY:	Approx. 12 m²		
ASBESTOS TYPE	NON ASBESTOS	0		EXTENT OF DAMAGE / DETERIORATION	GOOD CONDITION	0	
	CHRYSTOTILE	1	✓		LOW DAMAGE	1	✓
	AMOSITE	2			MEDIUM DAMAGE	2	
	CROCIDOLITE	3			HIGH DAMAGE	3	
	OTHER (ACTINOLITE/TREMOLITE/ANTHOPHYLLITE)	2			LOOSE ASBESTOS	3	
SURFACE TREATMENT	COMPOSITE MATERIAL	0	✓	FIBRE RELEASE POTENTIAL	HIGH RISK	10-12	
	ENCLOSED SPRAY / LAGGING, PAINTED / ENCAPSULATED AIB, ASBESTOS CEMENT SHEETS	1			MEDIUM RISK	7-9	
	UNSEALED AIB OR ENCAPSULATED LAGGING AND SPRAYS	2			LOW RISK	5-6	
	UNSEALED LAGGING / SPRAY COATING	3			VERY LOW RISK	1-4	✓
PRODUCT TYPE	ASBESTOS REINFORCED COMPOSITES	1	✓	RECOMMENDED ACTION	REMOVE		✓
	ASBESTOS INSULATING BOARD, TEXTILES, GASKETS, ROPE, PAPER, FELT	2			REPAIR / SEAL ENCAPSULATE		
	THERMAL INSULATION, SPRAYED ASBESTOS, LOOSE ASBESTOS	3			LABEL AND MANAGE		

OTHER RELEVANT INFORMATION:

Brown floor tiles and bitumen beneath carpet, and in cupboards

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Tel 01 8323547 Email: info@cacl.ie Website: www.cacl.ie



Section 9 - Material Assessment (Photo Small)

Sorted by: Location ID

Site Address: Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan Client Name: Oppermann Associates
Project Number: A-01910

FLOOR:	Ground Floor			SURVEY DATES:	19/08/2020		
ROOM NAME / NO.:	0-044			SAMPLE REF NO.:	S7		
							
PRODUCT TYPE:	Gaskets (compressed)				ACCESSIBILITY:	Medium	
FOUND IN:	Pipes						
LOCATION:	Boiler room			EXTENT / QUANTITY:	Approx 16 no		
ASBESTOS TYPE	NON ASBESTOS	0		EXTENT OF DAMAGE / DETERIORATION	GOOD CONDITION	0	
	CHRYSTOLITE	1	✓		LOW DAMAGE	1	✓
	AMOSITE	2			MEDIUM DAMAGE	2	
	CROCIDOLITE	3			HIGH DAMAGE	3	
	OTHER (ACTINOLITE/TREMOLITE/ANTHOPHYLLITE)	2			LOOSE ASBESTOS	3	
SURFACE TREATMENT	COMPOSITE MATERIAL	0		FIBRE RELEASE POTENTIAL	HIGH RISK	10-12	
	ENCLOSED SPRAY / LAGGING, PAINTED / ENCAPSULATED AIB, ASBESTOS CEMENT SHEETS	1	✓		MEDIUM RISK	7-9	
	UNSEALED AIB OR ENCAPSULATED LAGGING AND SPRAYS	2			LOW RISK	5-6	✓
	UNSEALED LAGGING / SPRAY COATING	3			VERY LOW RISK	1-4	
PRODUCT TYPE	ASBESTOS REINFORCED COMPOSITES	1		RECOMMENDED ACTION	REMOVE		✓
	ASBESTOS INSULATING BOARD, TEXTILES, GASKETS, ROPE, PAPER, FELT	2	✓		REPAIR / SEAL ENCAPSULATE		
	THERMAL INSULATION, SPRAYED ASBESTOS, LOOSE ASBESTOS	3			LABEL AND MANAGE		

OTHER RELEVANT INFORMATION:

Gaskets to pipe flanges

All work with asbestos materials must be carried out in accordance with SI No 386 of the Safety, Health & Welfare at Work (Exposure to Asbestos) Regulations 2006 & amended version 2010 & Guidelines issued by the Health & Safety Authority in Ireland. 14 days notification may be required to the HSA. Ensure valid asbestos insurance & evidence of current training & competency is obtained from your selected approved asbestos removal contractor prior to works commencing.

Client Name:	Oppermann Associates	Project Number:	A-01910
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Section 9 - Material Assessment (Photo Small)

Sorted by: Location ID

Site Address: Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan Client Name: Oppermann Associates
Project Number: A-01910

FLOOR:	Basement			SURVEY DATES:	19/08/2020		
ROOM NAME / NO.:	-1-001			SAMPLE REF NO.:	S8		
							
PRODUCT TYPE:	Thermal Insulation			ACCESSIBILITY:	Easy		
FOUND IN:	Walls and ceiling						
LOCATION:	Basement			EXTENT / QUANTITY:	Small amounts		
ASBESTOS TYPE	NON ASBESTOS	0		EXTENT OF DAMAGE / DETERIORATION	GOOD CONDITION	0	
	CHRYSTOLITE	1	✓		LOW DAMAGE	1	
	AMOSITE	2	✓		MEDIUM DAMAGE	2	
	CROCIDOLITE	3			HIGH DAMAGE	3	✓
	OTHER (ACTINOLITE/TREMOLITE/ANTHOPHYLLITE)	2			LOOSE ASBESTOS	3	
SURFACE TREATMENT	COMPOSITE MATERIAL	0		FIBRE RELEASE POTENTIAL	HIGH RISK	10-12	✓
	ENCLOSED SPRAY / LAGGING, PAINTED / ENCAPSULATED AIB, ASBESTOS CEMENT SHEETS	1			MEDIUM RISK	7-9	
	UNSEALED AIB OR ENCAPSULATED LAGGING AND SPRAYS	2			LOW RISK	5-6	
	UNSEALED LAGGING / SPRAY COATING	3	✓		VERY LOW RISK	1-4	
PRODUCT TYPE	ASBESTOS REINFORCED COMPOSITES	1		RECOMMENDED ACTION	REMOVE		✓
	ASBESTOS INSULATING BOARD, TEXTILES, GASKETS, ROPE, PAPER, FELT	2			REPAIR / SEAL ENCAPSULATE		
	THERMAL INSULATION, SPRAYED ASBESTOS, LOOSE ASBESTOS	3	✓		LABEL AND MANAGE		

OTHER RELEVANT INFORMATION:

Insulation residues to various areas of wall and ceiling, remove and carry out environmental clean of area (Walls, ceiling, and floor). Old register says the material has been removed but still many residues to all areas and evidence of old tape sealing former sample areas.

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Client Name:	Oppermann Associates	Project Number:	A-01910
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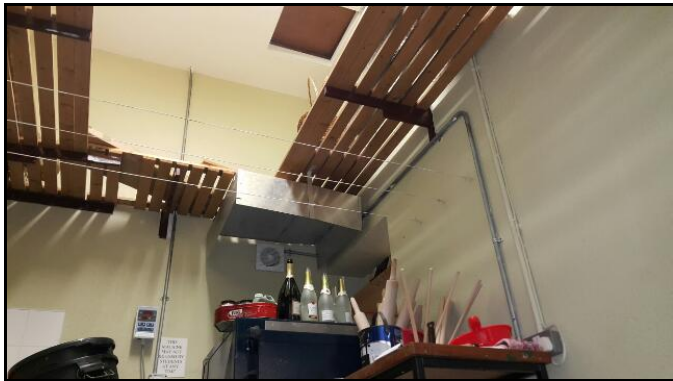
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Section 9 - Material Assessment (Photo Small)

Sorted by: Location ID

Site Address: Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan Client Name: Oppermann Associates
Project Number: A-01910

FLOOR:	Void			SURVEY DATES:	19/08/2020		
ROOM NAME / NO.:	V-001			SAMPLE REF NO.:	Presumed		
							
PRODUCT TYPE:	Unknown			ACCESSIBILITY:	No Access		
FOUND IN:	Unknown						
LOCATION:	Roof void			EXTENT / QUANTITY:	Unknown		
ASBESTOS TYPE	NON ASBESTOS	0		EXTENT OF DAMAGE / DETERIORATION	GOOD CONDITION	0	
	CHRYSTOTILE	1	✓		LOW DAMAGE	1	
	AMOSITE	2	✓		MEDIUM DAMAGE	2	
	CROCIDOLITE	3	✓		HIGH DAMAGE	3	✓
	OTHER (ACTINOLITE/TREMOLITE/ANTHOPHYLLITE)	2			LOOSE ASBESTOS	3	
SURFACE TREATMENT	COMPOSITE MATERIAL	0		FIBRE RELEASE POTENTIAL	HIGH RISK	10-12	✓
	ENCLOSED SPRAY / LAGGING, PAINTED / ENCAPSULATED AIB, ASBESTOS CEMENT SHEETS	1			MEDIUM RISK	7-9	
	UNSEALED AIB OR ENCAPSULATED LAGGING AND SPRAYS	2			LOW RISK	5-6	
	UNSEALED LAGGING / SPRAY COATING	3	✓		VERY LOW RISK	1-4	
PRODUCT TYPE	ASBESTOS REINFORCED COMPOSITES	1		RECOMMENDED ACTION	PRESUME ASBESTOS IS PRESENT UNTIL FURTHER INVESTIGATION		✓
	ASBESTOS INSULATING BOARD, TEXTILES, GASKETS, ROPE, PAPER, FELT	2			REPAIR / SEAL ENCAPSULATE		
	THERMAL INSULATION, SPRAYED ASBESTOS, LOOSE ASBESTOS	3	✓		LABEL AND MANAGE		

OTHER RELEVANT INFORMATION:

No safe access to erect ladder due to stored items and furniture beneath hatch

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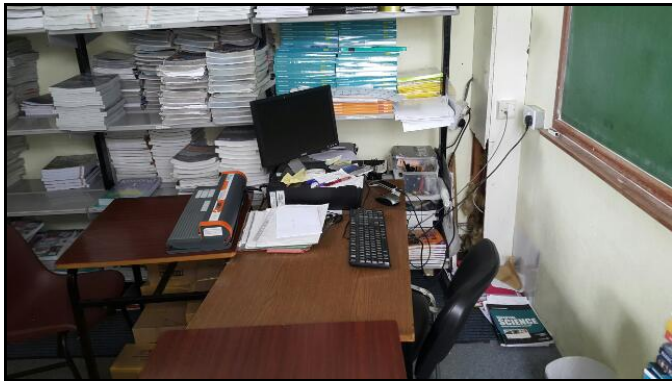
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Sorted by: Location ID

Site Address: Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan
Client Name: Oppermann Associates
Project Number: A-01910

FLOOR:	Void	SURVEY DATES:	19/08/2020				
ROOM NAME / NO.:	V-003	SAMPLE REF NO.:	Presumed				
							
PRODUCT TYPE:	Unknown	ACCESSIBILITY:	No Access				
FOUND IN:	Unknown						
LOCATION:	Roof void	EXTENT / QUANTITY:	Unknown				
ASBESTOS TYPE	NON ASBESTOS	0		EXTENT OF DAMAGE / DETERIORATION	GOOD CONDITION	0	
	CHRYSTOLE	1	✓		LOW DAMAGE	1	
	AMOSITE	2	✓		MEDIUM DAMAGE	2	
	CROCIDOLITE	3	✓		HIGH DAMAGE	3	✓
	OTHER (ACTINOLITE/TREMOLITE/ANTHOPHYLLITE)	2			LOOSE ASBESTOS	3	
SURFACE TREATMENT	COMPOSITE MATERIAL	0		FIBRE RELEASE POTENTIAL	HIGH RISK	10-12	✓
	ENCLOSED SPRAY / LAGGING, PAINTED / ENCAPSULATED AIB, ASBESTOS CEMENT SHEETS	1			MEDIUM RISK	7-9	
	UNSEALED AIB OR ENCAPSULATED LAGGING AND SPRAYS	2			LOW RISK	5-6	
	UNSEALED LAGGING / SPRAY COATING	3	✓		VERY LOW RISK	1-4	
PRODUCT TYPE	ASBESTOS REINFORCED COMPOSITES	1		RECOMMENDED ACTION	PRESUME ASBESTOS IS PRESENT UNTIL FURTHER INVESTIGATION		✓
	ASBESTOS INSULATING BOARD, TEXTILES, GASKETS, ROPE, PAPER, FELT	2			REPAIR / SEAL ENCAPSULATE		
	THERMAL INSULATION, SPRAYED ASBESTOS, LOOSE ASBESTOS	3	✓		LABEL AND MANAGE		

OTHER RELEVANT INFORMATION:

No safe access to erect ladder due to stored items computers and furniture beneath hatch

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Tel 01 8323547 Email: info@cacl.ie Website: www.cacl.ie



Section 9 - Material Assessment (Photo Small)

Sorted by: Location ID

Site Address: Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan
Client Name: Oppermann Associates
Project Number: A-01910

FLOOR:	Ground Floor			SURVEY DATES:	19/08/2020		
ROOM NAME / NO.:	0-001			SAMPLE REF NO.:	Presumed		
							
PRODUCT TYPE:	Flash Guards			ACCESSIBILITY:	Difficult		
FOUND IN:	Electrics						
LOCATION:	Circulation			EXTENT / QUANTITY:	Numerous		
ASBESTOS TYPE	NON ASBESTOS	0		EXTENT OF DAMAGE / DETERIORATION	GOOD CONDITION	0	
	CHRYSTOLITE	1	✓		LOW DAMAGE	1	✓
	AMOSITE	2			MEDIUM DAMAGE	2	
	CROCIDOLITE	3			HIGH DAMAGE	3	
	OTHER (ACTINOLITE/TREMOLITE/ANTHOPHYLLITE)	2			LOOSE ASBESTOS	3	
SURFACE TREATMENT	COMPOSITE MATERIAL	0		FIBRE RELEASE POTENTIAL	HIGH RISK	10-12	
	ENCLOSED SPRAY / LAGGING, PAINTED / ENCAPSULATED AIB, ASBESTOS CEMENT SHEETS	1	✓		MEDIUM RISK	7-9	
	UNSEALED AIB OR ENCAPSULATED LAGGING AND SPRAYS	2			LOW RISK	5-6	✓
	UNSEALED LAGGING / SPRAY COATING	3			VERY LOW RISK	1-4	
PRODUCT TYPE	ASBESTOS REINFORCED COMPOSITES	1		RECOMMENDED ACTION	REMOVE		✓
	ASBESTOS INSULATING BOARD, TEXTILES, GASKETS, ROPE, PAPER, FELT	2	✓		REPAIR / SEAL ENCAPSULATE		
	THERMAL INSULATION, SPRAYED ASBESTOS, LOOSE ASBESTOS	3			LABEL AND MANAGE		

OTHER RELEVANT INFORMATION:

Presumed flash guards and rope seals within older lower level electrical boxes within electric cupboard

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Client Name:	Oppermann Associates	Project Number:	A-01910
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Section 9 - Material Assessment (Photo Small)

Sorted by: Location ID

Site Address: Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan Client Name: Oppermann Associates
Project Number: A-01910

FLOOR:	Ground Floor			SURVEY DATES:	19/08/2020		
ROOM NAME / NO.:	0-044			SAMPLE REF NO.:	Presumed		
							
PRODUCT TYPE:	Unknown			ACCESSIBILITY:	No Access		
FOUND IN:	Unknown						
LOCATION:	Boiler room sub floor duct			EXTENT / QUANTITY:	Unknown		
ASBESTOS TYPE	NON ASBESTOS	0		EXTENT OF DAMAGE / DETERIORATION	GOOD CONDITION	0	
	CHRYSTOTILE	1	✓		LOW DAMAGE	1	
	AMOSITE	2	✓		MEDIUM DAMAGE	2	
	CROCIDOLITE	3	✓		HIGH DAMAGE	3	✓
	OTHER (ACTINOLITE/TREMOLITE/ANTHOPHYLLITE)	2			LOOSE ASBESTOS	3	
SURFACE TREATMENT	COMPOSITE MATERIAL	0		FIBRE RELEASE POTENTIAL	HIGH RISK	10-12	✓
	ENCLOSED SPRAY / LAGGING, PAINTED / ENCAPSULATED AIB, ASBESTOS CEMENT SHEETS	1			MEDIUM RISK	7-9	
	UNSEALED AIB OR ENCAPSULATED LAGGING AND SPRAYS	2			LOW RISK	5-6	
	UNSEALED LAGGING / SPRAY COATING	3	✓		VERY LOW RISK	1-4	
PRODUCT TYPE	ASBESTOS REINFORCED COMPOSITES	1		RECOMMENDED ACTION	PRESUME ASBESTOS IS PRESENT UNTIL FURTHER INVESTIGATION		✓
	ASBESTOS INSULATING BOARD, TEXTILES, GASKETS, ROPE, PAPER, FELT	2			REPAIR / SEAL ENCAPSULATE		
	THERMAL INSULATION, SPRAYED ASBESTOS, LOOSE ASBESTOS	3	✓		LABEL AND MANAGE		

OTHER RELEVANT INFORMATION:

No safe access to trace pipe work in under floor ducting. Pipes possibly run under floor beneath the school

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Client Name:	Oppermann Associates	Project Number:	A-01910
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Section 9 - Material Assessment (Photo Small)

Sorted by: Location ID

Site Address: Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan Client Name: Oppermann Associates
Project Number: A-01910

FLOOR:	External			SURVEY DATES:	20/08/2020		
ROOM NAME / NO.:	99-007			SAMPLE REF NO.:	S9		
							
PRODUCT TYPE:	Cement Product			ACCESSIBILITY:	Difficult		
FOUND IN:	Cement Roofing						
LOCATION:	Roof			EXTENT / QUANTITY:	Approx. 80 m²		
ASBESTOS TYPE	NON ASBESTOS	0		EXTENT OF DAMAGE / DETERIORATION	GOOD CONDITION	0	
	CHRYSTOTILE	1	✓		LOW DAMAGE	1	✓
	AMOSITE	2	✓		MEDIUM DAMAGE	2	
	CROCIDOLITE	3			HIGH DAMAGE	3	
	OTHER (ACTINOLITE/TREMOLITE/ANTHOPHYLLITE)	2			LOOSE ASBESTOS	3	
SURFACE TREATMENT	COMPOSITE MATERIAL	0		FIBRE RELEASE POTENTIAL	HIGH RISK	10-12	
	ENCLOSED SPRAY / LAGGING, PAINTED / ENCAPSULATED AIB, ASBESTOS CEMENT SHEETS	1	✓		MEDIUM RISK	7-9	
	UNSEALED AIB OR ENCAPSULATED LAGGING AND SPRAYS	2			LOW RISK	5-6	✓
	UNSEALED LAGGING / SPRAY COATING	3			VERY LOW RISK	1-4	
PRODUCT TYPE	ASBESTOS REINFORCED COMPOSITES	1	✓	RECOMMENDED ACTION	REMOVE		✓
	ASBESTOS INSULATING BOARD, TEXTILES, GASKETS, ROPE, PAPER, FELT	2			REPAIR / SEAL ENCAPSULATE		
	THERMAL INSULATION, SPRAYED ASBESTOS, LOOSE ASBESTOS	3			LABEL AND MANAGE		

OTHER RELEVANT INFORMATION:

Cement roof sheeting to roof. Plastic gutters and timber soffit.

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Client Name:	Oppermann Associates	Project Number:	A-01910
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Section 9 - Material Assessment (Photo Small)

Sorted by: Location ID

Site Address: Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan Client Name: Oppermann Associates
Project Number: A-01910

FLOOR:	External	SURVEY DATES:	20/08/2020
ROOM NAME / NO.:	99-008	SAMPLE REF NO.:	S10
			
PRODUCT TYPE:	Cement Slate	ACCESSIBILITY:	Difficult
FOUND IN:	Roof		
LOCATION:	High level roof	EXTENT / QUANTITY:	Approx. 340 m ²
ASBESTOS TYPE	NON ASBESTOS	0	
	CHRYSTOLITE	1	✓
	AMOSITE	2	✓
	CROCIDOLITE	3	
	OTHER (ACTINOLITE/TREMOLITE/ANTHOPHYLLITE)	2	
SURFACE TREATMENT	COMPOSITE MATERIAL	0	
	ENCLOSED SPRAY / LAGGING, PAINTED / ENCAPSULATED AIB, ASBESTOS CEMENT SHEETS	1	✓
	UNSEALED AIB OR ENCAPSULATED LAGGING AND SPRAYS	2	
	UNSEALED LAGGING / SPRAY COATING	3	
PRODUCT TYPE	ASBESTOS REINFORCED COMPOSITES	1	✓
	ASBESTOS INSULATING BOARD, TEXTILES, GASKETS, ROPE, PAPER, FELT	2	
	THERMAL INSULATION, SPRAYED ASBESTOS, LOOSE ASBESTOS	3	
		EXTENT OF DAMAGE / DETERIORATION	GOOD CONDITION 0 LOW DAMAGE 1 MEDIUM DAMAGE 2 ✓ HIGH DAMAGE 3 LOOSE ASBESTOS 3
		FIBRE RELEASE POTENTIAL	HIGH RISK 10-12 MEDIUM RISK 7-9 LOW RISK 5-6 ✓ VERY LOW RISK 1-4
		RECOMMENDED ACTION	REMOVE ✓ REPAIR / SEAL ENCAPSULATE LABEL AND MANAGE

OTHER RELEVANT INFORMATION:

Cement slate roof to building at rear. Small amount of cement slate repairs all included as contaminated.

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Section 9 - Material Assessment (Photo Small)

Sorted by: Location ID

Site Address: Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan Client Name: Oppermann Associates
Project Number: A-01910

FLOOR:		External		SURVEY DATES:		20/08/2020	
ROOM NAME / NO.:		99-009		SAMPLE REF NO.:		Same As S10	
							
PRODUCT TYPE:		Cement Slate		ACCESSIBILITY:		Difficult	
FOUND IN:		Debris					
LOCATION:		Flat roof areas		EXTENT / QUANTITY:		10 m²	
ASBESTOS TYPE	NON ASBESTOS	0		EXTENT OF DAMAGE / DETERIORATION	GOOD CONDITION	0	
	CHRYSOTILE	1	✓		LOW DAMAGE	1	
	AMOSITE	2	✓		MEDIUM DAMAGE	2	
	CROCIDOLITE	3			HIGH DAMAGE	3	✓
	OTHER (ACTINOLITE/TREMOLITE/ANTHOPHYLLITE)	2			LOOSE ASBESTOS	3	
SURFACE TREATMENT	COMPOSITE MATERIAL	0		FIBRE RELEASE POTENTIAL	HIGH RISK	10-12	
	ENCLOSED SPRAY / LAGGING, PAINTED / ENCAPSULATED AIB, ASBESTOS CEMENT SHEETS	1	✓		MEDIUM RISK	7-9	✓
	UNSEALED AIB OR ENCAPSULATED LAGGING AND SPRAYS	2			LOW RISK	5-6	
	UNSEALED LAGGING / SPRAY COATING	3			VERY LOW RISK	1-4	
PRODUCT TYPE	ASBESTOS REINFORCED COMPOSITES	1	✓	RECOMMENDED ACTION	REMOVE		✓
	ASBESTOS INSULATING BOARD, TEXTILES, GASKETS, ROPE, PAPER, FELT	2			REPAIR / SEAL ENCAPSULATE		
	THERMAL INSULATION, SPRAYED ASBESTOS, LOOSE ASBESTOS	3			LABEL AND MANAGE		

OTHER RELEVANT INFORMATION:

Cement slate debris, same as sample 10, on flat roof in several places. Most debris in area at access behind 99-005 high level flat roof and 99-008.

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Section 9 - Material Assessment (Photo Small)

Sorted by: Location ID

Site Address: Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan Client Name: Oppermann Associates
Project Number: A-01910

FLOOR:	External			SURVEY DATES:	20/08/2020		
ROOM NAME / NO.:	99-010			SAMPLE REF NO.:	S11		
							
PRODUCT TYPE:	Rope			ACCESSIBILITY:	Difficult		
FOUND IN:	Roof						
LOCATION:	Flat roof areas			EXTENT / QUANTITY:	16 no		
ASBESTOS TYPE	NON ASBESTOS	0		EXTENT OF DAMAGE / DETERIORATION	GOOD CONDITION	0	
	CHRYSTOTILE	1	✓		LOW DAMAGE	1	
	AMOSITE	2			MEDIUM DAMAGE	2	✓
	CROCIDOLITE	3			HIGH DAMAGE	3	
	OTHER (ACTINOLITE/TREMOLITE/ANTHOPHYLLITE)	2			LOOSE ASBESTOS	3	
SURFACE TREATMENT	COMPOSITE MATERIAL	0		FIBRE RELEASE POTENTIAL	HIGH RISK	10-12	
	ENCLOSED SPRAY / LAGGING, PAINTED / ENCAPSULATED AIB, ASBESTOS CEMENT SHEETS	1	✓		MEDIUM RISK	7-9	
	UNSEALED AIB OR ENCAPSULATED LAGGING AND SPRAYS	2			LOW RISK	5-6	✓
	UNSEALED LAGGING / SPRAY COATING	3			VERY LOW RISK	1-4	
PRODUCT TYPE	ASBESTOS REINFORCED COMPOSITES	1		RECOMMENDED ACTION	REMOVE		✓
	ASBESTOS INSULATING BOARD, TEXTILES, GASKETS, ROPE, PAPER, FELT	2	✓		REPAIR / SEAL ENCAPSULATE		
	THERMAL INSULATION, SPRAYED ASBESTOS, LOOSE ASBESTOS	3			LABEL AND MANAGE		

OTHER RELEVANT INFORMATION:

Rope seal gaskets around glazing to roof lights.

All work with asbestos materials must be carried out in accordance with SI No 386 of the Safety, Health & Welfare at Work (Exposure to Asbestos) Regulations 2006 & amended version 2010 & Guidelines issued by the Health & Safety Authority in Ireland. 14 days notification may be required to the HSA. Ensure valid asbestos insurance & evidence of current training & competency is obtained from your selected approved asbestos removal contractor prior to works commencing.

Client Name:	Oppermann Associates	Project Number:	A-01910
		Survey Date:	19/08/20 to 20/08/20
Site Address:	Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan	Report Revision Date:	07/09/2020
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Section 9 - Material Assessment (Photo Small)

Sorted by: Location ID

Site Address: Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan Client Name: Oppermann Associates
Project Number: A-01910

FLOOR:	External	SURVEY DATES:	20/08/2020
ROOM NAME / NO.:	99-011	SAMPLE REF NO.:	S12
			
PRODUCT TYPE:	Cement Slate	ACCESSIBILITY:	Difficult
FOUND IN:	Roof		
LOCATION:	Roof	EXTENT / QUANTITY:	130 approx m ²
ASBESTOS TYPE	NON ASBESTOS	0	
	CHRYSTOLITE	1	✓
	AMOSITE	2	✓
	CROCIDOLITE	3	
	OTHER (ACTINOLITE/TREMOLITE/ANTHOPHYLLITE)	2	
SURFACE TREATMENT	COMPOSITE MATERIAL	0	
	ENCLOSED SPRAY / LAGGING, PAINTED / ENCAPSULATED AIB, ASBESTOS CEMENT SHEETS	1	✓
	UNSEALED AIB OR ENCAPSULATED LAGGING AND SPRAYS	2	
	UNSEALED LAGGING / SPRAY COATING	3	
PRODUCT TYPE	ASBESTOS REINFORCED COMPOSITES	1	✓
	ASBESTOS INSULATING BOARD, TEXTILES, GASKETS, ROPE, PAPER, FELT	2	
	THERMAL INSULATION, SPRAYED ASBESTOS, LOOSE ASBESTOS	3	
		EXTENT OF DAMAGE / DETERIORATION	GOOD CONDITION 0 LOW DAMAGE 1 MEDIUM DAMAGE 2 ✓ HIGH DAMAGE 3 LOOSE ASBESTOS 3
		FIBRE RELEASE POTENTIAL	HIGH RISK 10-12 MEDIUM RISK 7-9 LOW RISK 5-6 ✓ VERY LOW RISK 1-4
		RECOMMENDED ACTION	REMOVE ✓ REPAIR / SEAL ENCAPSULATE LABEL AND MANAGE

OTHER RELEVANT INFORMATION:

Cement slate roof to rear corner building.

All work with asbestos materials must be carried out in accordance with SI No 386 of the Safety, Health & Welfare at Work (Exposure to Asbestos) Regulations 2006 & amended version 2010 & Guidelines issued by the Health & Safety Authority in Ireland. 14 days notification may be required to the HSA. Ensure valid asbestos insurance & evidence of current training & competency is obtained from your selected approved asbestos removal contractor prior to works commencing.

Client Name:	Oppermann Associates	Project Number:	A-01910
		Survey Date:	19/08/20 to 20/08/20
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Section 9 - Material Assessment (Photo Small)

Sorted by: Location ID

Site Address: Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan Client Name: Oppermann Associates
Project Number: A-01910

FLOOR:	External			SURVEY DATES:	20/08/2020		
ROOM NAME / NO.:	99-012			SAMPLE REF NO.:	S13		
				No Photo Available			
PRODUCT TYPE:	Cement Slate			ACCESSIBILITY:	Difficult		
FOUND IN:	Roof						
LOCATION:	low level roof			EXTENT / QUANTITY:	3 m²		
ASBESTOS TYPE	NON ASBESTOS	0		EXTENT OF DAMAGE / DETERIORATION	GOOD CONDITION	0	
	CHRYSTOTILE	1	✓		LOW DAMAGE	1	✓
	AMOSITE	2	✓		MEDIUM DAMAGE	2	
	CROCIDOLITE	3			HIGH DAMAGE	3	
	OTHER (ACTINOLITE/TREMOLITE/ANTHOPHYLLITE)	2			LOOSE ASBESTOS	3	
SURFACE TREATMENT	COMPOSITE MATERIAL	0		FIBRE RELEASE POTENTIAL	HIGH RISK	10-12	
	ENCLOSED SPRAY / LAGGING, PAINTED / ENCAPSULATED AIB, ASBESTOS CEMENT SHEETS	1	✓		MEDIUM RISK	7-9	
	UNSEALED AIB OR ENCAPSULATED LAGGING AND SPRAYS	2			LOW RISK	5-6	✓
	UNSEALED LAGGING / SPRAY COATING	3			VERY LOW RISK	1-4	
PRODUCT TYPE	ASBESTOS REINFORCED COMPOSITES	1	✓	RECOMMENDED ACTION	REMOVE		✓
	ASBESTOS INSULATING BOARD, TEXTILES, GASKETS, ROPE, PAPER, FELT	2			REPAIR / SEAL ENCAPSULATE		
	THERMAL INSULATION, SPRAYED ASBESTOS, LOOSE ASBESTOS	3			LABEL AND MANAGE		

OTHER RELEVANT INFORMATION:

Cement slate repairs to natural slate roof.

All work with asbestos materials must be carried out in accordance with SI No 386 of the Safety, Health & Welfare at Work (Exposure to Asbestos) Regulations 2006 & amended version 2010 & Guidelines issued by the Health & Safety Authority in Ireland. 14 days notification may be required to the HSA. Ensure valid asbestos insurance & evidence of current training & competency is obtained from your selected approved asbestos removal contractor prior to works commencing.

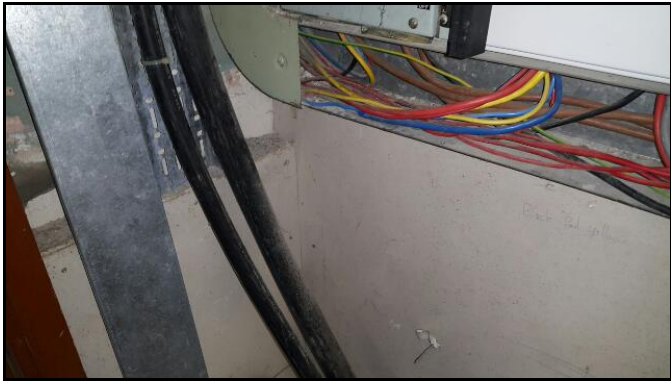
Client Name:	Oppermann Associates	Project Number:	A-01910
		Survey Date:	19/08/20 to 20/08/20
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Section 10 - Non Asbestos Items

Sorted by: Location ID

Site Address: Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan Client Name: Oppermann Associates
Project Number: A-01910

FLOOR:	Ground Floor	SURVEY DATES:	19/08/2020
ROOM NAME / NO.:	0-001	SAMPLE REF NO.:	S3
			
PRODUCT TYPE:	Damp Proof Course	ACCESSIBILITY:	Difficult
FOUND IN:	Floor		
LOCATION:	Circulation	EXTENT / QUANTITY:	Unknown
Comments: NO ASBESTOS DETECTED IN ORIGINAL SAMPLE			
FLOOR:	Ground Floor	SURVEY DATES:	19/08/2020
ROOM NAME / NO.:	0-001	SAMPLE REF NO.:	S2
			
PRODUCT TYPE:	Insulating Board	ACCESSIBILITY:	Easy
FOUND IN:	Electrics		
LOCATION:	Circulation	EXTENT / QUANTITY:	1 m ²
Comments: NO ASBESTOS DETECTED IN ORIGINAL SAMPLE			

Client Name:	Oppermann Associates	Project Number:	A-01910
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Section 10 - Non Asbestos Items

Sorted by: Location ID

Site Address: Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan
Client Name: Oppermann Associates
Project Number: A-01910

FLOOR:	Ground Floor	SURVEY DATES:	19/08/2020
ROOM NAME / NO.:	0-002	SAMPLE REF NO.:	Same As S2
			
PRODUCT TYPE:	Insulating Board	ACCESSIBILITY:	Easy
FOUND IN:	Electrics		
LOCATION:	Deputy Principals office	EXTENT / QUANTITY:	2 m ²
Comments: NO ASBESTOS DETECTED IN ORIGINAL SAMPLE			
FLOOR:	Ground Floor	SURVEY DATES:	19/08/2020
ROOM NAME / NO.:	0-027	SAMPLE REF NO.:	S5
			
PRODUCT TYPE:	Vinyl Floor Tile	ACCESSIBILITY:	Easy
FOUND IN:	Floor		
LOCATION:	Classroom 12	EXTENT / QUANTITY:	40 m ²
Comments: NO ASBESTOS DETECTED IN ORIGINAL SAMPLE			

Client Name:	Oppermann Associates	Project Number:	A-01910
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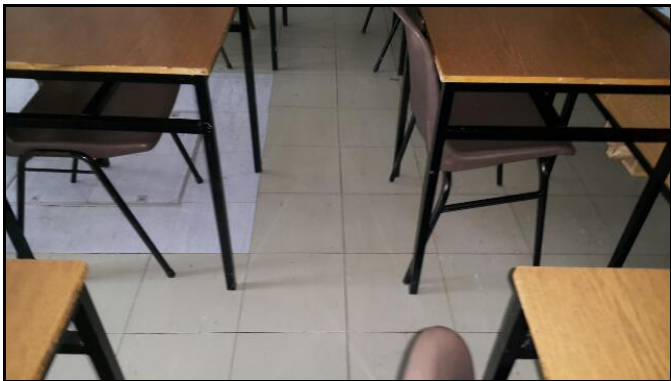
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Section 10 - Non Asbestos Items

Sorted by: Location ID

Site Address: Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan
Client Name: Oppermann Associates
Project Number: A-01910

FLOOR:	Ground Floor	SURVEY DATES:	19/08/2020
ROOM NAME / NO.:	0-028	SAMPLE REF NO.:	Same As S5
			
PRODUCT TYPE:	Vinyl Floor Tile	ACCESSIBILITY:	Easy
FOUND IN:	Floor		
LOCATION:	Classroom 13	EXTENT / QUANTITY:	44 m ²
Comments: NO ASBESTOS DETECTED IN ORIGINAL SAMPLE			
FLOOR:	Ground Floor	SURVEY DATES:	19/08/2020
ROOM NAME / NO.:	0-037	SAMPLE REF NO.:	S6
			
PRODUCT TYPE:	Vinyl Floor Tile	ACCESSIBILITY:	Difficult
FOUND IN:	Floor		
LOCATION:	Staff room	EXTENT / QUANTITY:	22 m ²
Comments: NO ASBESTOS DETECTED IN ORIGINAL SAMPLE			

Client Name:	Oppermann Associates	Project Number:	A-01910
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Section 11 - Bulk Certificate



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CERTIFICATE FOR THE IDENTIFICATION OF ASBESTOS FIBRES

Client:	Oppermann Associates	Sampled by:	James Howard, Sean Kenny
Client Address:	Unit D1, The Steelworks, Foley Street, Dublin 1	Analysis Report No.:	A-01910
Attention of:	Michele Sweeney	Revision No.:	1
Site Address:	Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan	Report Date:	01/09/2020
Date Samples Taken:	19/08/2020	Client Order Number:	N/A
Date Samples Received:	19/08/2020	Client Project Number:	N/A
Date of Analysis:	31/08/2020 & 01/09/2020	No. of Samples Obtained:	13
Analysed by:	Jonathan Fagan	We participate in the Asbestos In Materials Proficiency Scheme	

Method Statement

Samples of material, referenced below, have been examined to determine the presence of asbestos fibres, using in-house CACL documented method (QA doc 19c) of transmitted/ polarized light microscopy and dispersion staining, based on the HSG 248 Asbestos: The Analyst Guide. Calibration of equipment and general quality control procedures are in accordance with our quality control documentation (QA doc 19e and QA doc 19f). Sampling methods are in accordance with our INAB accreditation, including documented in-house procedures: QA doc 19a based on guidelines procedures HSG 264. All samples are analysed at our INAB accredited permanent laboratory located at: 60 Grange Way, Baldoy Industrial Estate, Baldoy, Dublin 13, Co. Dublin.

Disclaimer

Where samples have been delivered then the site address and actual sample location or sample type is given by the client at the time of delivery. CACL accept no responsibility for the accuracy or competence of the sampling other parties. Under these circumstances CACL cannot be held responsible for the interpretation of the results shown. CACL takes responsibility of sample location/description, only when our own staff obtains the sample(s).

Opinions and Interpretations are outside the scope of INAB Accreditation held by Celtic Asbestos Consultancy.

Item Number	Sample Number	Client Ref	Sample Location (Level-Room No) / Sample Type	Fibre Type Detected
1	S1 (5314)	N/A	Ground Floor Circulation - 0-001 / Cement Product	AMOSITE & CHRYSOTILE
2	S2 (5316)	N/A	Ground Floor Circulation - 0-001 / Insulating Board	NADIS
3	S3 (5315)	N/A	Ground Floor Circulation - 0-001 / Damp Proof Course	NADIS
4	S4 (5317)	N/A	Ground Floor Deputy Principals Office - 0-002 / Vinyl Floor Covering (brown) & Bitumen	CHRYSOTILE in both
5	S5 (5318)	N/A	Ground Floor Classroom 12 - 0-027 / Vinyl Floor Tile (grey) & Adhesive	NADIS
6	S6 (5319)	N/A	Ground Floor Staff Room - 0-037 / Vinyl Floor Tile (green and blue)	NADIS
7	S7 (5320)	N/A	Ground Floor Boiler Room - 0-044 / Gaskets (compressed) (red)	CHRYSOTILE
8	S8 (5321)	N/A	Basement - -1-001 / Thermal Insulation	AMOSITE & CHRYSOTILE
9	S9 (5309)	N/A	External Roof - 99-007 / Cement Product	AMOSITE & CHRYSOTILE
10	S10 (5312)	N/A	External High Level Roof - 99-008 / Cement Slate	AMOSITE & CHRYSOTILE
11	S11 (5310)	N/A	External Flat Roof Areas - 99-010 / Rope	CHRYSOTILE
12	S12 (5311)	N/A	External Roof - 99-011 / Cement Slate	AMOSITE & CHRYSOTILE
13	S13 (5313)	N/A	External Low Level Roof - 99-012 / Cement Slate	AMOSITE & CHRYSOTILE

QA doc 91a Rev 10 - Bulk Analysis (sampled by CACL's surveyor)
Issued on 14/02/2020 by Technical Manager

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Client Name:	Oppermann Associates	Project Number:	A-01910
		Survey Date:	19/08/20 to 20/08/20
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Section 11 - Bulk Certificate



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- Material type is a subjective opinion by the analyst based on asbestos content, appearance and experience. - All samples will be retained in the laboratory for a minimum of 6 months	K E Y	NADIS	= NO ASBESTOS DETECTED IN SAMPLE
		CROCIDOLITE	= Typically known as Blue Asbestos (Amphibole Group)
		AMOSITE	= Typically Known as Brown Asbestos (Amphibole Group)
		CHRYSTOTILE	= Typically Known as White Asbestos (Serpentine Group)
		ANTHOPHYLLITE	= Asbestos (Amphibole Group)
		ACTINOLITE	= Asbestos (Amphibole Group)
		TREMOLITE	= Asbestos (Amphibole Group)

Typed By:	Jonathan Fagan	Authorised by:	
Position:	Analyst	Print Name:	Alessio Brancaloni
Comments: Samples 8 and 11 were reanalysed by Alessio Brancaloni, obtaining the same results as Jonathan Fagan.			

QA doc 91a Rev 10 - Bulk Analysis (sampled by CACL's surveyor)
Issued on 14/02/2020 by Technical Manager

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Client Name:	Oppermann Associates	Project Number:	A-01910
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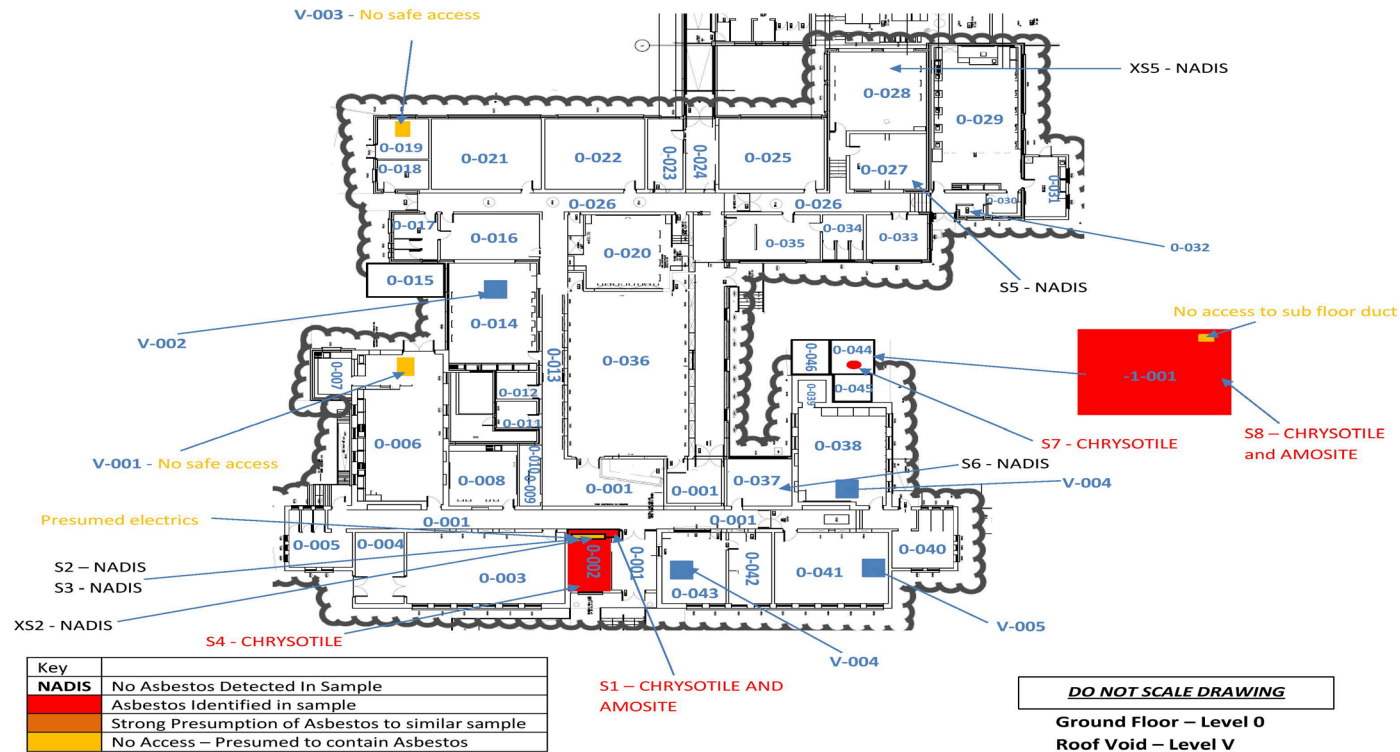
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Section 12 - Survey Drawings and Documentation

Project Number:

A-01910



Client Name:	Oppermann Associates	Project Number:	A-01910
		Survey Date:	19/08/20 to 20/08/20
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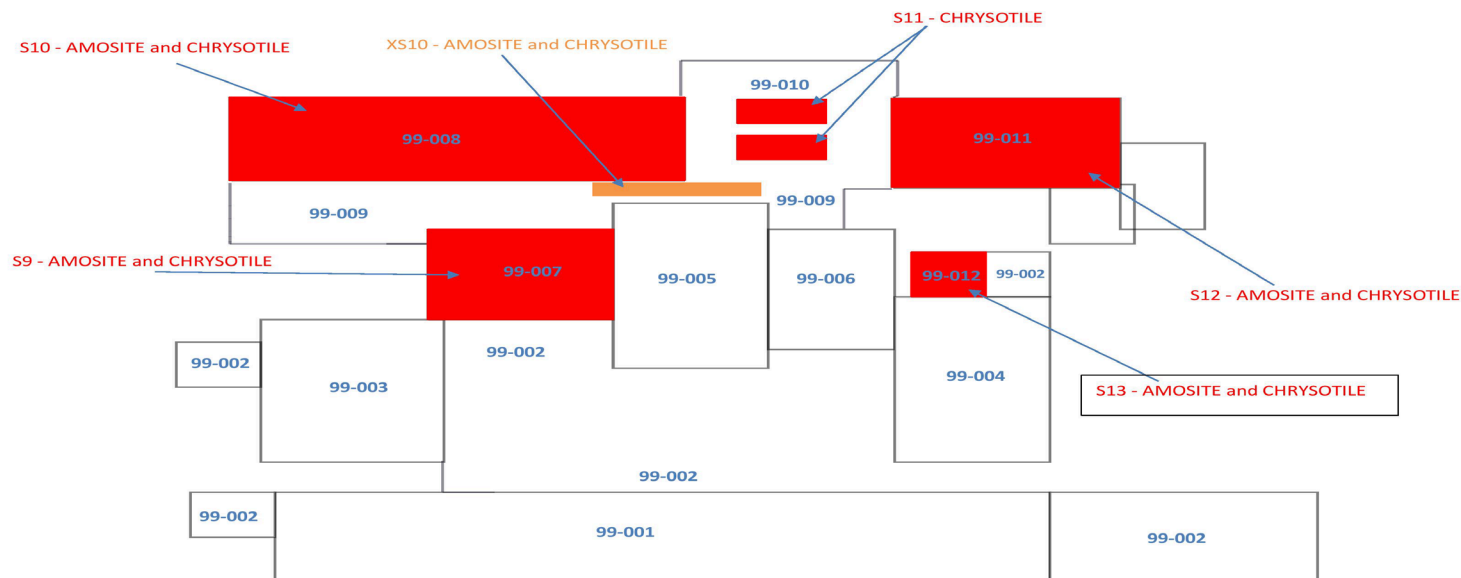
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Section 12 - Survey Drawings and Documentation

Project Number:

A-01910



Key	
NADIS	No Asbestos Detected In Sample
	Asbestos Identified in sample
	Strong Presumption of Asbestos to similar sample
	No Access – Presumed to contain Asbestos

DO NOT SCALE DRAWING

Externals – Level 99

Client Name:	Oppermann Associates	Project Number:	A-01910
		Survey Date:	19/08/20 to 20/08/20
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Section 13 - Asbestos Register

Project Number: A-01910

Refurbishment & Demolition Survey:	Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan	Surveyor(s):	James Howard, Sean Kenny	Survey Date:	19/08/20 to 20/08/20
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Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan

Area Surveyed	Sample Number	Location and Use of Material	Asbestos Type	Condition	Accessibility	Extent	Material Risk Assessment Score	Recommended Action
Void	Presumed	Roof void V-001 - (Unknown)	Chrysotile/Amosite/Crocidolite	High Damage	No Access	Unknown	12	Presume asbestos is present until further investigation
Void	Presumed	Roof void V-003 - (Unknown)	Chrysotile/Amosite/Crocidolite	High Damage	No Access	Unknown	12	Presume asbestos is present until further investigation
Ground Floor	Presumed	Circulation 0-001 - Electrics (Flash Guards)	Chrysotile	Low Damage	Difficult	Numerous	5	Remove
Ground Floor	S1	Circulation 0-001 - Electrics (Cement Product)	Amosite, Chrysotile	Low Damage	Easy	1 m ²	5	Remove
Ground Floor	S4	Deputy Principals office 0-002 - Floor (Vinyl Floor Covering & Bitumen)	Chrysotile	Low Damage	Medium	Approx. 12 m ²	3	Remove
Ground Floor	Presumed	Boiler room sub floor duct 0-044 - (Unknown)	Chrysotile/Amosite/Crocidolite	High Damage	No Access	Unknown	12	Presume asbestos is present until further investigation
Ground Floor	S7	Boiler room 0-044 - Pipes (Gaskets (compressed))	Chrysotile	Low Damage	Medium	Approx. 16 no	5	Remove
Basement	S8	Basement -1-001 - Walls and ceiling (Thermal Insulation)	Amosite, Chrysotile	High Damage	Easy	Small amounts	11	Restrict access & remove

MATERIAL RISK SCORES ABOVE 10 HAVE HIGH POTENTIAL TO RELEASE FIBRES

Client Name:	Oppermann Associates	Project Number:	A-01910
		Survey Date:	19/08/20 to 20/08/20
Site Address:	Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan	Report Revision Date:	07/09/2020
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Section 13 - Asbestos Register

Project Number: A-01910

Inver College, Cloghvalley Upper, Carrickmacross, Co. Monaghan

Area Surveyed	Sample Number	Location and Use of Material	Asbestos Type	Condition	Accessibility	Extent	Material Risk Assessment Score	Recommended Action
External	S9	Roof 99-007 - cement roofing (Cement Product)	Amosite, Chrysotile	Low Damage	Difficult	80 approx. m ²	5	Remove
External	S10	high level roof 99-008 - Roof (Cement Slate)	Amosite, Chrysotile	Medium Damage	Difficult	340 Approx. m ²	6	Remove
External	Same As S10	Flat roof areas 99-009 - Debris (Cement Slate)	Amosite, Chrysotile	High Damage	Difficult	10 m ²	7	Remove
External	S11	Flat roof areas 99-010 - Roof (Rope)	Chrysotile	Medium Damage	Difficult	16 no	6	Remove
External	S12	Roof 99-011 - Roof (Cement Slate)	Amosite, Chrysotile	Medium Damage	Difficult	130 approx. m ²	6	Remove
External	S13	low level roof 99-012 - cement slate (Cement Slate)	Amosite, Chrysotile	Low Damage	Difficult	3 m ²	5	Remove

MATERIAL RISK SCORES ABOVE 10 HAVE HIGH POTENTIAL TO RELEASE FIBRES

Client Name:	Oppermann Associates	Project Number:	A-01910
		Survey Date:	19/08/20 to 20/08/20
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