



Comhairle Contae  
Fhine Gall  
Fingal County  
Council



Comhairle Contae Mhaigh Eo  
Mayo County Council



An Roinn Tithíochta,  
Rialtais Áitiúil agus Oidhreacht  
Department of Housing,  
Local Government and Heritage

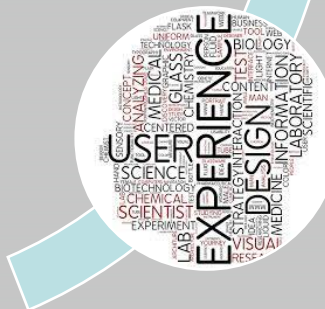


## Part B Fire - Inspections & Compliance

**NBC & MSO CPD – Building Control Inspections  
19<sup>th</sup> September 2023, Hodsen Bay Hotel, Athlone**



# Part B Fire - Inspections & Compliance



Declan Crilly

MSc (Fire) BEng MIEI  
Fire Safety Engineer

24 years experience  
working as a Fire Safety  
Consultant in Ireland



## Part B Fire - Inspections & Compliance

# CURRENT PROJECTS



**National Children's Hospital –  
St James's Hospital Campus**



## Part B Fire - Inspections & Compliance

# COMPLETED PROJECTS



**Connolly Satellite  
Centre**



**Tallaght Satellite  
Centre**





# Part B Fire - Inspections & Compliance

## Stages of Inspection

1. Review of the approved Fire Safety Certificate documentation and any associated Conditions attached to the Granted Certificate.
2. Review of the various Fire Safety Installations to be implemented in the project to identify key fire safety elements which must be inspected e.g., fire rated partitions, fire doors, fire alarm, emergency lighting/signage, fire dampers, smoke extraction systems etc.
3. Review of the building contractor's program to identify key stages to conduct and co-ordinate inspections.
4. Development of the Preliminary Inspection Plan – PIP.



# Part B Fire - Inspections & Compliance

## Code of Practice

for

Inspecting and Certifying  
Buildings and Works

**Building Control  
Regulations  
1997 to 2015**

September, 2016



An Roinn Tithíochta, Pleanála,  
Pobail agus Rialtais Áitiúil  
Department of Housing, Planning,  
Community and Local Government



The guidelines contained within the Code of Practice for Inspecting and Certifying Buildings and Works is a key tool for an Ancillary Certifier in both the structuring of their inspections and setting out the required documentation necessary to deliver certification.

1. Inspection Plan
2. Factors in Determining Inspection Plan
3. Inspection
4. Inspection frequency
5. Inspection Notification Framework (INF)
6. Follow up procedures
7. Tests
8. Records of inspection



## Part B Fire - Inspections & Compliance



### INSPECTION TOOLS

- iPad / Tablets
- Cameras
- GoPro & Poles
- Scope Cameras
- Gap Measurement tools



Through the incorporation of current technology and tools, it is possible for the building inspector to more readily inspect installations/constructions to ensure a high level of compliance is achieved.



## Part B Fire - Inspections & Compliance

### ON SITE STAGES OF INSPECTION

It is important to have hold points or inspection stages throughout the project so that

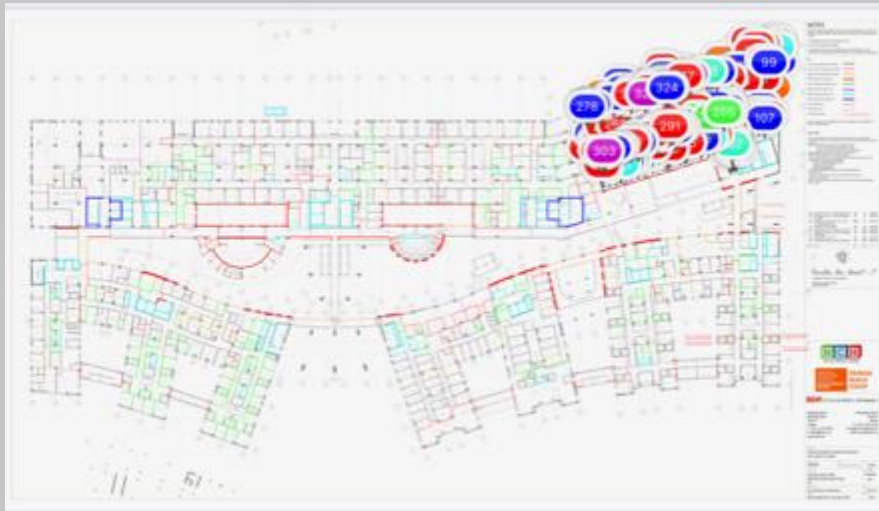
1. **Wall Closures** – Project hold point to allow the inspectorate team to exam the standard of construction of partitions and walls and any subsequent concealed services before the wall is fully closed.
2. **Ceiling Closures** – Allows the inspectorate team to review above ceiling installations prior to them becoming fully closed in. Inspections of firestopping, fire alarm (above ceiling), fire dampers, void sprinkler installations are crucial at this stage.
3. **Room Completion** – Allows the inspectorate team to review the completed room. Inspections of fire alarm/emergency lighting, exit signage, fire door installations
4. **Commissioning** – Testing and validation of the installed active fire safety systems can be verified. Review of the various certification documents can be undertaken at this stage to confirm compliance.
5. **Handover** – Final review of all certification documentation, in particular the contractor/subcontractor BCAR certification, final close out of snags/fire compliance issues to be undertaken before Consultants Ancillary Certification can be issued.



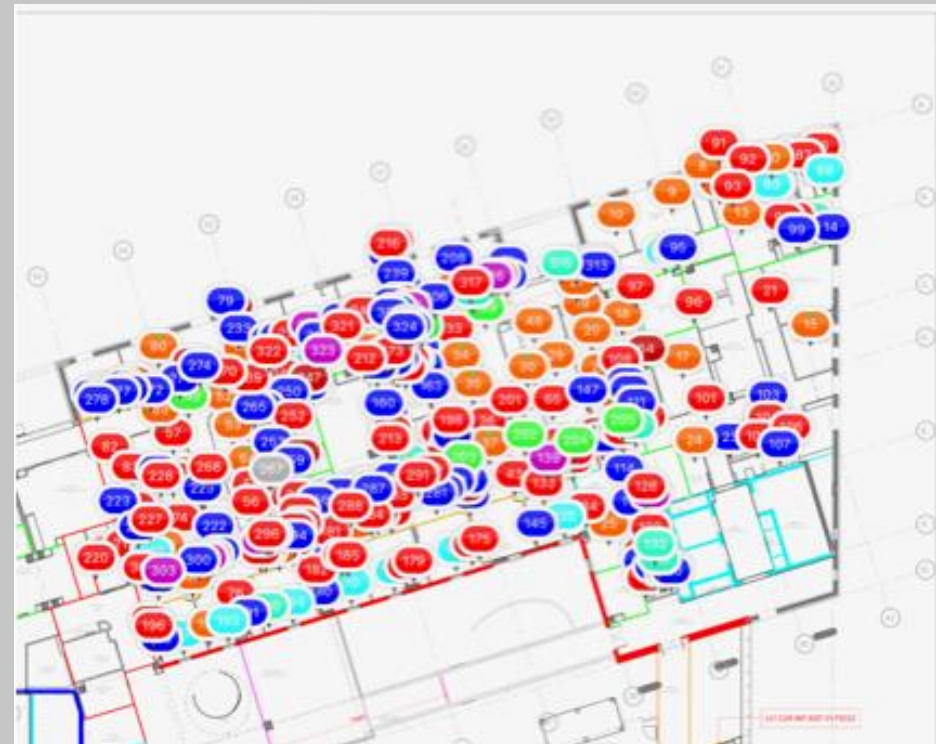


## Part B Fire - Inspections & Compliance

### Systems of Recording Inspections and Reporting to the Contractor / Assigned Certifier / Client – Siteworks



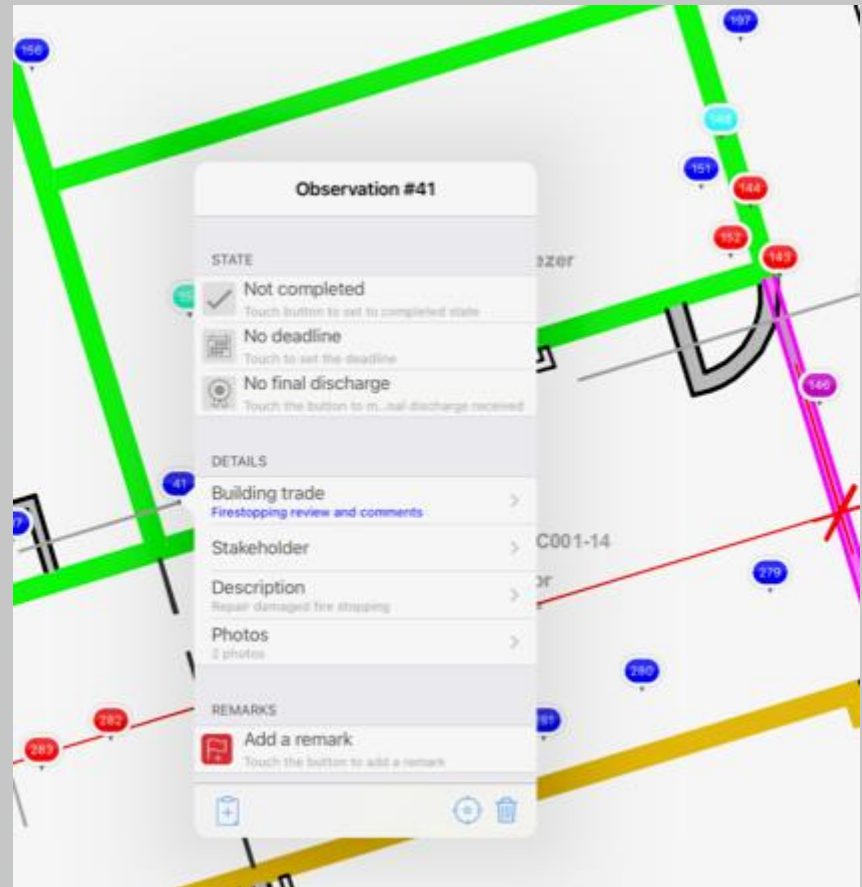
The screenshots attached demonstrate a typical inspection conducted within an area. The colour coding reflects different issues identified which are assigned to the contractor to address.





# Part B Fire - Inspections & Compliance

## Systems of Recording Inspections and Reporting to the Contractor / Assigned Certifier / Client – Siteworks

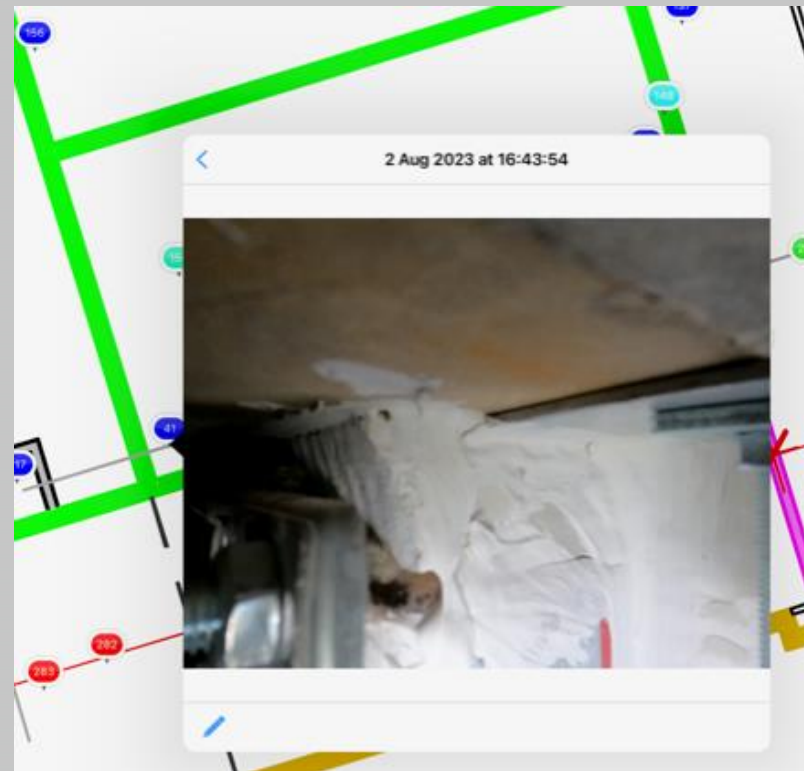
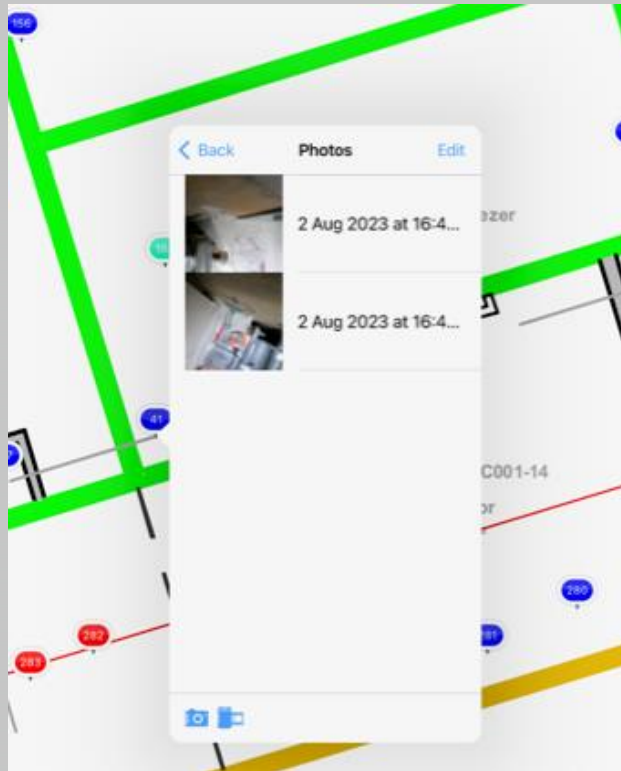


Example of a typical inspection issue identified. Take Tag 41 highlighted – firestopping damaged



## Part B Fire - Inspections & Compliance

### Systems of Recording Inspections and Reporting to the Contractor / Assigned Certifier / Client – Siteworks



1. The Pin identifies the location.
2. The photos and the description identify the defect issue and what needs to be addressed.
3. This is then issued to the contractor to address who is then responsible for issuing to FCC a confirmation that the issue has been actioned and closed out.



# Part B Fire - Inspections & Compliance

## Systems of Recording Inspections and Reporting to the Contractor / Assigned Certifier / Client – BIM 360 Field

A similar system which has been deployed on the current NCH Project is the use of BIM 360 field.

The screenshot displays the Autodesk BIM 360 Field interface for project C4063 NCH. The main view is a table of inspection issues, with a left-hand sidebar for filtering and a top navigation bar. The table columns are ID, Description, and Company. The issues listed include various fire-related defects such as doorset hinge problems, fire door certification requirements, room completion issues with firestopping, and fire mastic seal deficiencies.

ID	Description	Company
056812	Handover - FD60S doorset installed with only 3 hinges. Such doors require 4 hinges. Remediate	SLS Doors
056256	Handover - riser shaft FD60S contains only 3 hinge fixings and not 4. Confirm 3 hinges meets fire door certification requirements	SLS Doors
059550	Handover - fire door not closing under 90degrees, 45 degree, 10 degree and slave leaf closing too slow so door not closing under double door test.	SLS Doors
072005	Room completion - firestopping damaged and requires repair.	Parkwest Fire Protection
066993	Room completion - deflection head corner interface junction requires fire mastic seal	Parkwest Fire Protection
072524	Room completion - firestopping damaged and requires repair	Parkwest Fire Protection
072006	Room completion - firestopping damaged and requires repair.	Parkwest Fire Protection
066998	Room completion - deflection head corner interface junction requires fire mastic seal	Parkwest Fire Protection
017846	Series of core opes formed for services too close to each other. Integrity of partition compromised.	Parkwest Fire Protection
066994	Room completion - deflection head corner interface junction requires fire mastic seal Mastic seal to deflection head board required beside damper	Parkwest Fire Protection
070934	Wall closure - complete taping of underside of Siderise "Concourse area"	Parkwest Fire Protection
070935	Wall closure - Complete fire mastic seals to underside of Siderise. "Concourse area"	Parkwest Fire Protection
067000	Room completion - excessive gaps around fire wrap. Remediate	Parkwest Fire Protection
066999	Room completion - deflection head corner interface junction requires fire mastic seal	Parkwest Fire Protection
070921	Wall closure - fire mastic seal corner joint to ensure any deflection head interface gap at board returns has been fire mastic sealed.	Oakleaf
070924	Wall closure - fire mastic seal under slab splitting. Remediate	Oakleaf
068317	Ceiling void - Door goalpost covered with liner board and not Glasroc protected. Arrangement non-conformant and to be remediated	Oakleaf
070919	Wall closure - review high level corner taping which covers cloaking angle and remediate.	Oakleaf
070918	Wall closure - review high level corner taping which covers cloaking angle and remediate.	Oakleaf
067474	General Inspection - Fire mastic seal incomplete at high level. Remediate	Oakleaf
069398	Room completion - complete fire mastic seal at top of partition	Oakleaf
067489	General Inspection - Gaps at Glasroc to be fire mastic sealed. Sections of Glasroc damaged/incomplete. Steel goalposts not fully protected. Remediate	Oakleaf
067482	General Inspection - Gaps at Glasroc to be fire mastic sealed. Sections of Glasroc damaged/incomplete. Remediation required.	Oakleaf
067488	General Inspection - Gaps at Glasroc to be fire mastic sealed. Sections of Glasroc damaged/incomplete. Steel goalposts not fully protected. Remediate	Oakleaf
070925	Wall closure - Fire mastic seal high level corner junction at column. Review vertical board junction to column and install additional fire mastic at joint.	Oakleaf
068809	General Inspection - trim back plasterboard to ensure 15mm deflection minim7m is being maintained.	Oakleaf
068613	Room completion - excessive fire alarm cable within ceiling void. Additional support required.	Mercury Engineering - Brian Ower
068087	Room completion - inaccessible detector and located within 500mm of wall. Installation non-compliant and requires remediation	Mercury Engineering - Brian Ower
054173	Ceiling closure - Missing proprietary fire alarm clipping at det3ctor head	Mercury Engineering - Brian Ower
071855	Room completion - fire alarm cable to be supported (metal tied) where it exits basket	Mercury Engineering - Brian Ower





# Part B Fire - Inspections & Compliance

## Systems of Recording Inspections and Reporting to the Contractor / Assigned Certifier / Client – BIM 360 Field

An issue is identified on site. Information such as the description of the issue, the subcontractor assigned to address the issue and its location are recorded.

**Edit Issue 072005** Save Close

Details

Remind assigned company

Issue type	BCAR Issue
* Issue ID	072005
* Description	Room completion - firestopping damaged and requires repair.
* Company	Parkwest Fire Protection
Author	declan@fire-cert.com
Priority	High
Status	Ready to Inspect
Due date	Sep 5, 2023
* Location	North Fingers>Level 03>NF-L3-Z2>L03-EDU-ETC-L079-07-Seminar Room - Small

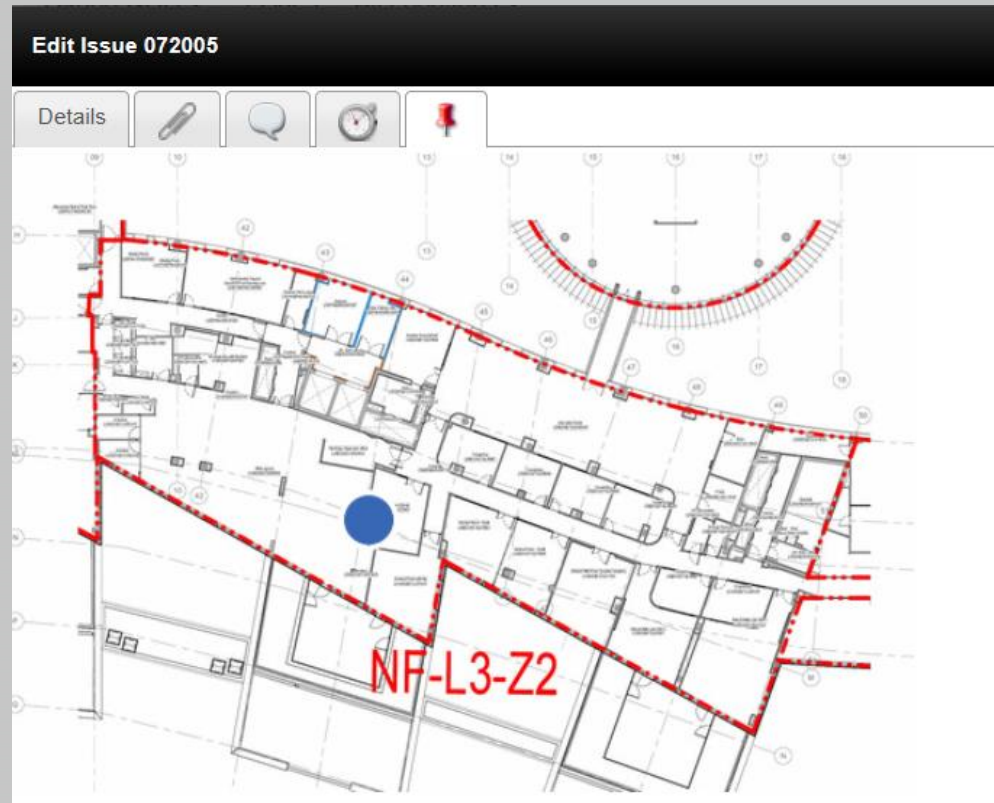




## Part B Fire - Inspections & Compliance

### Systems of Recording Inspections and Reporting to the Contractor / Assigned Certifier / Client – BIM 360 Field

The issue can also be tagged on the construction drawings for the project for ease of identification on site














## Part B Fire - Inspections & Compliance


### Systems of Recording Inspections and Reporting to the Contractor / Assigned Certifier / Client – BIM 360 Field




**Edit Issue 072005**


Details    

Attachments

 File  Library  Library Preview  Link  Download All

 **GPTempDownload\_4.JPG**  
Added/Modified Aug 29, 2023 6:22 PM  
Taken on Aug 29, 2023 11:09 AM  
Public link:

 Markup  Download  Delete

 **IMG\_4439.jpg**  
Added/Modified Sep 13, 2023 6:59 AM  
Taken on Sep 12, 2023 12:03 PM  
Public link:

Photographic records are uploaded by the inspector, in this instance FCC highlighting the defect. These are date and time stamped.

Corresponding response photos are then uploaded by the subcontractor who is addressing the issue as evidence that the works have been rectified.

Then the inspector can review the evidence and close out the issue.

This system provides a robust method of both recording the inspections and issues present whilst also offering a high level of close out response to ensure that a high standard of compliance is being achieved.



# Part B Fire - Inspections & Compliance

## BENCHMARKS

**Approval Record**

Approval Stage	Approved By	Date
Design Approval	[Signature]	10/05/2024
Construction Approval	[Signature]	10/05/2024

**Revision Record**

Rev	Date	Revision Details	Drawn	Check	Released
01	10/05/2024	Issued for information	[Signature]	[Signature]	[Signature]

**File Name:** NPH-CT-BAM-XXXX-0403.pdf

**Package Owner:**  
BAM Package Manager: Colin Barrett  
Benchmark Prepared by: Anshu Tiwari  
Sub Contractor: Cableplan, Mark Billane, 0852640664

**Scope of the review:**  
The installation of the RAF Cavity Barrier

**Technical Submittal:**  
RAF Cavity Barrier - NPH-CT-BAM-MA-XXXX-0598 - Status B Approval

**Location:**  
Installation will take place in HB L01 Z02 Breakout L01-COR-CV-0516-06, Zone 2, Gridline 11-12/ A-C

**NEW CHILDREN'S HOSPITAL**  
Benchmark - RAF Cavity Barrier  
NPH-CT-BAM-XXXX-0403

Document Ref: NPH-CT-BAM-XXXX-0403

**BENCHMARK**  
RAF Cavity Barrier

Document Ref: NPH-CT-BAM-XXXX-0403

**BENCHMARK**  
RAF Cavity Barrier

**1.0 Executive Summary**  
This document details the Cableplan installation of the RAF Cavity Barrier, and this is made available for Design Team approval.

**2.0 Package Owner**  
BAM Package Manager: Colin Barrett  
Benchmark Prepared by: Anshu Tiwari  
Sub Contractor: Cableplan, Mark Billane, 0852640664

**3.0 Scope of the review**  
The installation of the RAF Cavity Barrier

**4.0 Technical Submittal:**  
RAF Cavity Barrier - NPH-CT-BAM-MA-XXXX-0598 - Status B Approval

**5.0 Location:**  
Installation will take place in HB L01 Z02 Breakout L01-COR-CV-0516-06, Zone 2, Gridline 11-12/ A-C

Project: 4063 - New Children's Hospital

Document Ref: NPH-CT-BAM-XXXX-0403

**BENCHMARK**  
RAF Cavity Barrier

**PRODUCT**  
AIM Protect Access Floor presents the passage of barrier and smoke through the under floor cavity, for all floor types and in any direction. AIM Access Floor is made from high quality, fire-rated, dense wood slats, coated with Class 0 impervious foil facing on both sides. It is available cut to size or in slabs suitable for cutting on site.

**PHYSICAL INFORMATION**

- Length: 1000mm
- Width: 70mm, 100mm & 120mm (depending on the finishing required)
- Weight: 50 - 400mm
- Span: 150mm (maximum)
- Available cut to size and supplied with the required facing type
- Available in slab form for cutting on site as required
- Hot faced (see options)
- Any suitable fire/sealant
- Thermal Conductivity λ = 0.020W/mK

**STORAGE**  
Products are supplied on wooden pallets with edge protection and a chosen good finish. Products should be stored away from the elements until ready for installation.

**HEALTH & SAFETY**  
Installation products supplied by AIM are considered to be inert articles and as such are exempt from requirements to provide a Safety Data Sheet.  
A Product Safety and Handling Information Sheet is available upon request.

**COMPONENTS available from AIM**

- Spacers
- Filing Chis
- Acrylic fire sealant (minimum 100mm (optional width))
- Filling tape for sealing joints (optional colour)

**ITEMS REQUIRED FOR INSTALLATION**

- PPE (safety glasses/goggles)
- PPE (impact resistant gloves)
- PPE (dust mask)
- Installation tool
- Drill
- Saw/cutter
- Tape measure

Document Ref: NPH-CT-BAM-XXXX-0403

**BENCHMARK**  
RAF Cavity Barrier

**7.0 Progress Photos**

Product is foil taped to assist with the installation and maintain its integrity. The foil facings are impervious to air leakage.

Connection between cavity barrier and cable tray firestop

- Benchmarks or First of a Kind Inspections are fundamental to compliance for a project.
- This sets out the required standard of installation by the contractor and also the level of recording/inspection which must be achieved as required by the inspectorate team.
- Subsequent installations can then be inspected against the benchmark and issues raised where it is considered that the required standard has not been met.



# Part B Fire - Inspections & Compliance

## KNOW THE PRODUCTS AND SYSTEMS BEING INSTALLED

**TECHNICAL HANDBOOK**  
Fire stopping of service penetrations  
7th edition February 2022

Protecta

**Installation instructions**

- Before installing Protecta® FR Board ensure that the surface of all service penetrations and surrounding construction is free from all loose contaminants, dust and grease.
- The board can be positioned to either side of the construction or vertically in between.
- When fire coating shaft with concrete or gypsum only use FR Board. Where concrete is applied, install Protecta® FR Board on the (FR) exposed side.
- Cut FR required boards to suit the aperture, dimensions and type and size of service penetrations. It is important that the edge of the board can be sealed with Protecta® FR Coating or Protecta® FR Acrylic prior to being sealed with an adhesive and ensure a smooth light seal.
- All pipes, gullies or insertions into the insulation must be filled with Protecta® FR Acrylic on both sides.
- Protecta® FR Board can be joint painted with most emulsion or alkyd (gloss) paints.

**Minimum separations and deviations**

FR Board can be used to separate services, and they may also be different. The minimum permitted separation between adjacent wall/apertures is 100mm, services should be a maximum of 20mm from either side of the aperture. Protecta® FR Board can be used to separate a minimum separation, except where Protecta® FR Pipe Rings are used, which should be a minimum of 10mm from either side of the aperture. The total amount of FR in any section of services (including insulation) should not exceed 60% of the penetration area.

**MIXED SERVICE APERTURE**  
Fire Classification E100  
Sound Reduction 39 dB  
Installation details - Page 1 of 2

**Products**  
Protecta FR Board  
Protecta FR Acrylic  
Protecta FR Coating  
Protecta Service Coat FR 1

**Construction**  
Minimum wall thickness of 100 mm and concrete cover (cast or precast in situ) based on local laws with minimum 10mm of 12.5 mm thick boards.

**Services**

- Cables, cable trays and holders
- Steel pipes
- Aluminum pipes
- Plastic pipes

For full specification see next page.

**Indoor air comfort test results**

- British CEN Regulation - A1
- French CEN (compartiment) - Pass
- British CEN - Pass
- EN612 (A)68 to the guidelines of DIN - Pass
- British Regulation - Pass
- EN 12542 (D) - Compliant
- EN 12542 (E) - Compliant
- EN 12542 (F) - Compliant
- EN 12542 (G) - Compliant

**Fire**  
EN 13501-2:2017 Class: E100

**Sound**  
EN 12353:2017 Class: R39

**Scale:** 1:10  
**Drawn by:** B. Giller  
**E.D.:** 14/09/21

- Review of the Material Approvals documentation is essential to ensure that only compliant products/systems are being used.
- Know the installation details to ensure that the products/systems are being installed as per manufacturer's recommendations.
- Engage with the product/system manufacturer's where any deviations / variations to standard installations arise.

**EIS FD40 & FDC40 FLEXIBLE WALL (TYPE F) & FIREBATT INSTALLATIONS - 90MIN (EIS 90)**

SQUARE/RECTANGULAR FD40 (>800x800 - 1500x800mm) | CIRCULAR FDC40 (355 - 800mmØ)

**NOTES:**  
Consulting documents for clarity. Ductwork should be independently supported from the damper assembly. Aluminium / Nylon or flexible fittings should be used on both sides of the construction for an unobstructed firestop joint, unless fire stopping ductwork is being fitted then the retaining flange should be used.  
Access to damper motor / manual mechanism must always be considered.  
Minimum install distance unless stated otherwise: 300 mm of construction element (lead/finish) between damper open and FR min between damper using and a construction element (lead/finish). Manufacturer has undertaken testing with similar dimensions construction elements, please contact Safegard for their application.

ISSUE	DESCRIPTION	DATE
11	Updated Wording & Finestopping Changed	26-03-20

PROJECT: National Children's Hospital | TITLE: EIS FD40 & FDC40 Flexible Wall + Firebat  
CLIENT: Jones Eng. | DWG REF: NCR-SSC-215-001  
ISSUE: 11 | DATE: 26-03-20 | DRN BY: DRMC | SHEET: 1 of 1

**Busbar single and double E160**

- Standard install flush to both sides of wall
- Wrap 300mm from either side of wall

Fire systems installation manual - Circular ductwork system | Lindab THOR DUCT

**7 Insulated (both sides) flexible wall (KE/E) EN 1366-1 & EN 1366-8**

- The gap required must be window frame construction with sufficient groundings to accommodate the penetration seal (see Fig 13). The minimum size gap is the duct dimensions + 100mm. For example, if the duct is 450 Ø, the minimum gap is 550 x 550.
- 2 Rods fitted where duct is 375 Ø and a 3 Ø 3 rods for 450 Ø. No rods required for sizes below 375 Ø.
- The order of construction is as follows (see Fig 14):

**Fig 13 Photograph of an installed penetration collar**

**Fig 14 Order of construction, side view**

- The gap is filled with loose Fyrespek Elite B, or 50 mm gap both from both sides.
- The plasterboard surround is fixed to the wall, covering the gap evenly and fixed to the ground using plasterboard screws and flat washers at 250mm maximum centres.
- The first layer of insulation is applied to the duct in accordance with the insulation method, described on the following pages.
- The second layer of insulation is applied to the duct in accordance with the insulation method, described on the following pages.
- Fix an insulation picture frame around the plasterboard surround (see Fig 13) extending past the plasterboard by 20mm. Fix with plasterboard screws using 74mm screws @ 3.85mm, and flat washers at the corners and 1/2 way between corners.
- The penetration collar is applied to the duct in accordance with the insulation method, described on the following pages.
- As a final seal is required, this is fixed before the penetration collar is applied (3).



## Part B Fire - Inspections & Compliance

### Building Control Regulations, 1997 to 2015

11. (1) Subject to sub-article (2) and articles 3 and 6, this Part applies to—

(a) works in connection with the design and construction of a new building,

(b) works in connection with the material alteration of—

(i) a day centre,

(ii) a building containing a flat,

(iii) a hotel, hostel or guest building, or

(iv) an institutional building, or

(v) a place of assembly, or

(vi) a shopping centre,

but excluding works to such buildings, consisting solely of minor works,

(c) works in connection with the material alteration of a shop, office or industrial building where—

(i) Additional floor area is being provided within the existing building, or

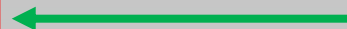
(ii) The building is being subdivided into a number of units for separate occupancy,

(d) works in connection with the extension of a building by more than 25 square metres,

(e) a building as regards which a material change of use takes place

### Revision to Fire Safety Certificate

- During the course of the project variations in design/layout of project may arise.
- This needs to be reviewed to determine the effect on the approved Fire Certificate and whether revision(s) to the Fire Certificate may be necessary before sign off.



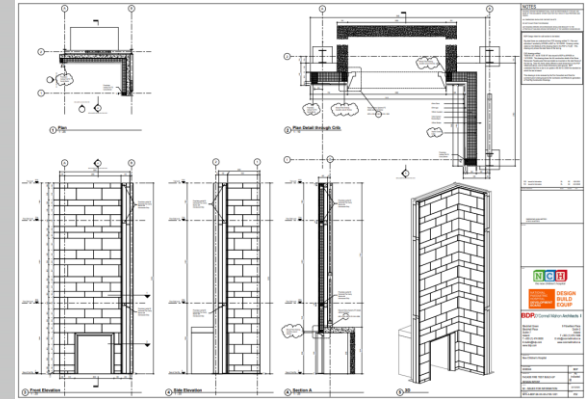




## Part B Fire - Inspections & Compliance

### SITE SPECIFIC FIRE TESTING

1. Fire Testing of variations in firestopping arrangements may be required.
2. Project may involve the use of curtain walling which requires fire testing to EN 1364: Parts 3 or Part 4 - Fire resistance tests for non-load bearing elements - Curtain Wallin
3. Project may involve cladding systems which require fire testing to BS 8414 Part 1 or BS 8414 Part 2 as applicable to the construction method (i.e., installation to masonry Walls or installation to steel framed systems (SFS))
4. Project may involve complex partition constructions which require fire testing where they vary from the manufacturer's standard installation requirements.



It is important that any site variations are identified early, the testing conducted as soon as possible as this can become a quite protracted process to ensure that the installations executed on site are compliant.



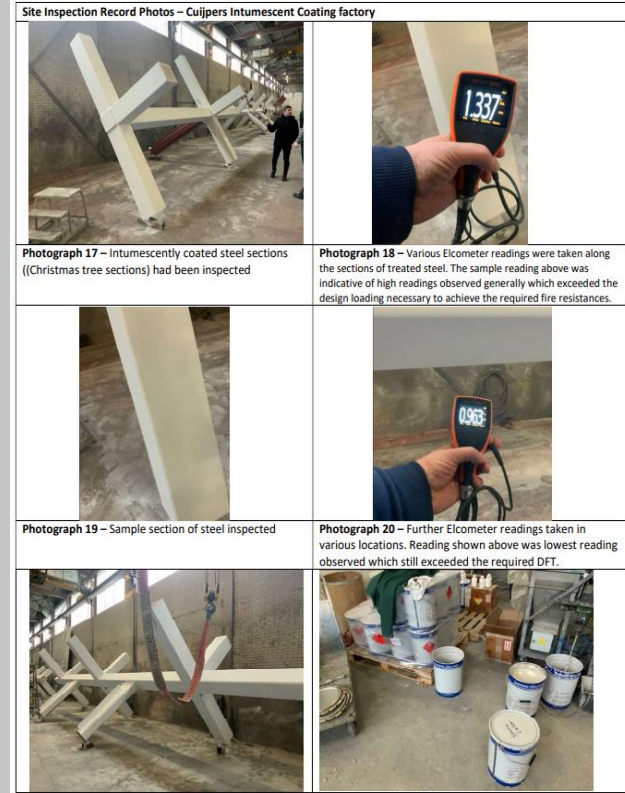
# Part B Fire - Inspections & Compliance

## FACTORY INSPECTIONS

- Depending on the Project requirements inspections may need to be conducted off-site
- The type of construction that is being employed on the project, such as **Modular Construction** would warrant inspection(s) being conducted at the factory where the construction is being assembled to check the standard of constructions/Quality etc
- Some of the construction elements, such as the application of intumescent coatings, may also be conducted off site so there will be a need to inspect these facilities to check the quality of the work/records etc.
- Records of these Inspections will also need to be kept by the Inspector/Ancillary Certifier



**Factory Inspection of a Modular construction used in a recent Healthcare Project**



**Factory Inspection of intumescent coatings being applied for the new Children's Hospital in Holland.**



# Part B Fire - Inspections & Compliance

## ENGAGEMENT WITH BUILDING CONTROL

- It is important to engage with Building Control during the construction process and assist them during their inspections when required.
- Building Control inspections offer the Design/Construction Team the opportunity to demonstrate how they are delivering a compliant building and the systems in place / inspection methods employed by the Ancillary Certifiers to ensure compliance.
- Good engagement with Section 11 requests by the Local Authority is key to show that competent designers/contractors/installers have been engaged on the project.

 Comhairle Cathrach  
Bhaile Átha Cliath  
Dublin City Council

**Building Control Acts 1990-2014**  
**Section 11 Compliance Request**

Rialú Tógála, **An Roinn Pleanála & Forbairt Maoine**  
Oifigí na Cathrach, An Ché Adhmaid, Baile Átha Cliath 8

Building Control Division, **Planning & Property Development Department**  
Civic Offices, Wood Quay, Dublin 8

Telephone: 01 222 2145 Email: [buildingcontrol@dublincity.ie](mailto:buildingcontrol@dublincity.ie)

Commencement Notice/ 7Day Notice reference



# Part B Fire - Inspections & Compliance

## CERTIFICATION

Questions that need to be considered about your project is how it is expected to be certified.

1. Will the building be certified as one complete construction?
2. Will there be phased certification? and what form will that take.

- Preparation of advance notice of certification requirements to the contractor is key.
- Issuing of BCAR Deliverable schedules for the various construction packages is critical in the early stages of the project to ensure that the correct certification is prepared and issued by the contractor.
- Additional statutory certification for the various Fire Safety installations e.g., fire alarm, emergency Lighting should also be set out and early notification given to the contractor to ensure all relevant certification can be prepared and issued on the project.
- Thorough checking of all issued documentation is key. Ensure that the correct details and format of Ancillary Certificates have been issued to prevent any delays in building sign off and Registration upon project completion.

FCC Fire Cert Ltd  
 Unit A4, Nulgrove Office Park, Rahmarnham, Dublin 14, D14 H1X4  
 Ph: 01 663 0013 | Fax: 01 663 0014 | [info@fire-cert.com](mailto:info@fire-cert.com) | [www.fire-cert.com](http://www.fire-cert.com)

**Certificates Required by FCC for Final Sign off**

Project Title:   
 Project Ref:   
 Issue Date:

Item No.	Building Element - Description	Action by	Required	Completed (Yes/No)
1.0	<b>Fire Detection &amp; Alarm addressable system -</b> Certification to be issued to I.S. 3218 2013+ A1 2019.		Yes	
1.1	Annex C1 - Certificate of Design	M&E Consultant	Yes	
1.2	Annex C2 - Certificate of Installation	FDAS subcontractor	Yes	
1.3	Annex C3 - Final Certificate of Commissioning	FDAS subcontractor	Yes	
1.4	Annex C6 - Certificate for Handover	Client and PSDP	No	
2.0	<b>Emergency lighting -</b> Certification to be issued to I.S. 3217 2013 & A1:2017.			
2.1	Annex C2 - Certificate of Design	M&E Consultant	Yes	
2.2	Annex C3 - Certificate of Installation -	EL Subcontractor	Yes	
2.3	Annex C4 - Certificate of commissioning -	EL Subcontractor	Yes	
2.4	Annex C5 - Certificate of Handover	EL Subcontractor	No	
3.0	<b>General Electrical Installation ET 10101: 2020</b> Certificate to be issued to confirm that the Electrical installations have been installed to National Rules for Electrical Installations (ET 10101). Certificate should include qualification of installer i.e. RECI or ECSA membership number within certification issued.	Electrical Subcontractor	Yes	



## Part B Fire - Inspections & Compliance



**THANK YOU FOR YOUR  
ATTENTION**