

**Code of Practice for the Mandatory Building Inspection Scheme and  
the Mandatory Window Inspection Scheme**

The Buildings Department has set up a Technical Committee (TC) to, among others, collect and consider the views and feedback from the building industry arising from the use of the Code of Practice for the Mandatory Building Inspection Scheme and the Mandatory Window Inspection Scheme 2012 (the Code). Taking into account the advice of the TC, the following amendments to the Code have been promulgated and the Code (2023 Edition)<sup>1</sup> incorporating all these amendments has been uploaded to BD website [www.bd.gov.hk](http://www.bd.gov.hk):

- (a) Appendix A – September 2014;
- (b) Appendix B – March 2017;
- (c) Appendix C – April 2018;
- (d) Appendix D – July 2020; and
- (e) Appendix E – January 2022.

( YU Po-mei, Clarice)  
Building Authority

Ref. : BD GR/1-125/101/0 (IV)  
BD GR/1-50/88/0 (IV)

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This revision    May 2023 (AD/MBI) (Paragraph 1 amended and footnote1 added)

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<sup>1</sup> Include textual refinement and improvement of the numbering system for easy cross reference.

**Amendments to the Code of Practice for  
the Mandatory Building Inspection Scheme and the Mandatory Window Inspection Scheme 2012  
(15 September 2014)**

**Appendix A  
(PNBI-10)**

Legends:  New/amended    ✘ Deleted

Item	Clause	2012 Original Version	2014 Amendments	Remarks
1	After the 3 <sup>rd</sup> paragraph of Section 8	<p>The inspection shall cover all windows and glass louvers including window walls in individual private premises and common parts of the buildings.</p> <p>Curtain walls are subject to the MBIS and not the MWIS.</p>	<p>The inspection shall cover all windows and glass louvers including window walls in individual private premises and common parts <b>Internal glass partitions and shopfront show windows at ground floor are not windows within the scope of prescribed inspection under the MWIS.</b></p> <p>Curtain walls are subject to the MBIS and not the MWIS.</p>	<ul style="list-style-type: none"> <li>■ To clarify the scope of the MWIS.</li> </ul>
2	Section 10	As per Section 10 in 2012 version.	Replacement of Section 10 (2014 version) (4 pages).	<ul style="list-style-type: none"> <li>■ To clarify the definition of representative of QP.</li> <li>■ To clarify methodology for inspection of window and actions to be taken in emergency situation.</li> </ul>

Item	Clause	2012 Original Version	2014 Amendments	Remarks
				<ul style="list-style-type: none"> <li>■ To provide best practice of repair of window components not affecting safety e.g. weather sealant, weather gasket/strip, etc.</li> <li>■ To provide guidelines for inspection of other common types of window.</li> </ul>
3	Section 11	As per Section 11 in 2012 version.	Replacement of Section 11 (2014 version) (2 pages).	<ul style="list-style-type: none"> <li>■ To clarify mandatory requirements and standards for window repair under the MWIS.</li> <li>■ To provide best practice of upgrading defective window components to current design and construction standard apart from meeting the standard under the MWIS.</li> <li>■ To remove requirements for measures against bi-metallic action.</li> </ul>

## 10. INSPECTION

The QP shall carry out window inspection personally if he is a natural person. Where the QP is a RGBC or RMWC registered in the name of a company, the window inspection shall be carried out personally by its Authorized Signatory as the representative of the QP as prescribed in the B(I&R)R. The inspection shall cover all window elements of openable sash and fixed panel.

Components of window elements shall be inspected from the interior of the subject building as far as practicable. Areas for attention in inspection and assessment of window are given in section 10.1 below. ↓

If emergency in relation to window safety is revealed during the inspection of windows, the QP shall advise the owners and occupants to take appropriate remedial action immediately and notify the BA.

### **Best Practice**

Under the MWIS, all defective window components affecting window safety must be repaired or replaced. As for those window components not affecting safety e.g. weather sealant, weather gasket/strip, etc., they are not within the scope of prescribed inspection and repair under the MWIS. If the ageing of window gaskets affects the smooth operation of windows or even results in water leakage, the QP may advise the owner to have defective non-structural window components repaired in conjunction with the window repair. In this regard, the QP should advise the owner which items of repair are safety-related and therefore must be carried out under the MWIS and which are recommended repair items.

### 10.1 Areas for Attention in Inspection and Assessment of Window

Aluminium Framed Windows	
Components:	Possible Defects/Sign of Deterioration:
(a) Window frames and sashes;	1. Difficult to open or in jerky motion;

	2. Deformed or cannot be secured.
(b) Hinges;	1. Deformed or missing parts; 2. Seriously corroded.
(c) Rivets and screws;	1. Loosen or missing; 2. Greyish white powder or rust.
(d) Sliding tracks, shoes of sliding windows and window stays;	1. Deformed or missing; 2. Greyish white powder or rust.
(e) Lock set;	1. Loosen or missing; 2. Broken strap, jammed handle.
(f) Glass panes;	Broken or cracked.
(g) Glazing bead and gasket for supporting glass pane; and	Missing or defective.
(h) Other elements that may affect safety of the window.	

<b>Steel/Iron Framed Windows</b>	
<b>Components:</b>	<b>Possible Defects/Sign of Deterioration:</b>
(a) Window frames and sashes;	1. Difficult to open or in jerky motion; 2. Deformed or cannot be secured; 3. Rusty; 4. Flaking painting or exposed steel surface.
(b) Hinges;	1. Deformed or missing; 2. Seriously corroded.

(c) Screws;	1. Loosen or missing; 2. Corroded.
(d) Welds;	Cracked or seriously corroded.
(e) Lock set;	1. Loosen or missing; 2. Jammed handle.
(f) Glass panes;	Broken or cracked.
(g) Putty;	Missing or cracked.
(h) Sliding tracks, shoes of sliding windows and window stays; and	1. Deformed or missing; 2. Corroded or hard to move.
(i) Other elements that may affect safety of the window.	

<b>Timber Framed Windows</b>	
<b>Components:</b>	<b>Possible Defects/Sign of Deterioration:</b>
(a) Window frames and sashes;	1. Difficult to open or in jerky motion; 2. Deformed or cannot be secured; 3. Rotten; 4. Missing or damaged timber section; 5. Flaking painting or exposed timber surface.
(b) Hinges;	1. Deformed or missing; 2. Seriously corroded.
(c) Screws;	1. Loosen or missing; 2. Corroded.

(d) Lock set;	1. Loosen or missing; 2. Jammed handle.
(e) Glass panes;	Broken or cracked.
(f) Putty; and	Missing or cracked.
(g) Other elements that may affect safety of the window.	

<b>Window Walls</b>	
<b>Components:</b>	<b>Possible Defects/Sign of Deterioration:</b>
(a) Glass panes/fins;	Broken or cracked.
(b) Mullions and Transoms;	1. Seriously corroded; 2. Deformed or defective.
(c) Brackets / Spider fixing;	1. Loosen or missing; 2. Deformed or defective.
(d) Anchors, bolts, nuts, and screws;	1. Loosen or missing; 2. Corroded.
(e) Glazing bead and gasket for supporting glass pane;	Missing or defective.
(f) Structural sealant; and	1. Missing or defective; 2. Signs of deterioration or split such as change in color, wrinkle etc.  N.B. QP may engage specialist to carry out the inspection and repair works for structural sealant.
(g) Other elements that may affect safety of the window.	

## 11. REPAIR

### 11.1 Mandatory Requirements

All windows shall be rendered safe after completion of repair works. ↓

All defective window components affecting window safety shall be repaired or replaced. The renewed components shall be of such material and size not inferior to that of the original design. Under normal circumstances, replacement of the whole window is not necessary if the window can be rendered safe by suitable repair.

The specified fire resistance capability of windows shall be maintained after rectification. For repair or replacement of windows in buildings or commercial premises under the jurisdiction of the FS(CP)O or FS(B)O, QP's attention is drawn to the requirements on fire resistance capability for windows as required thereunder.

### 11.2 Best Practice

Apart from meeting the prescribed repair standards stipulated under the Section 8 of the B(I&R)R, the QP may advise owner to consider replacing defective components with new components of such material and size complying with current design and construction standards.

If replacement of the whole window is necessary, QP shall comply with the BO and regulations and make reference to the relevant code of practice, technical guidelines, PNBI, PNAP and PNRC, wherever appropriate.

#### 4-bar Hinges

4-bar hinge is more secure and shall be used as far as possible when the hinge is required to be replaced. It shall be of stainless steel with adjustable friction shoes, and all stainless steel bars of the hinge should preferably have a minimum thickness of 2.5mm.



## **Rivets and Screws**

For better corrosion resistance, stainless steel rivets or screws shall be used to replace defective or missing rivets or screws. Stainless steel rivets shall be of 4.8mm diameter and stainless steel screws of 5mm diameter. ↓

When replacing a 4-bar hinge, sufficient anchorage shall be provided for the stainless steel rivet or screw to fasten the new hinge to the window frame and the openable sash. A positive mechanical fixing, for example, by inserting a stainless steel or hot dip galvanized steel plate or bar/angle of not less than 3mm thick inside the section to provide sufficient threads for the screws may be adopted.

As an alternative, the window sections for fixing the hinge may be thickened locally to not less than 5mm. When insertion of an extra piece of stainless steel or hot dip galvanized steel bar/angle inside the section or local thickening to 5mm is not adopted, the QP shall ensure that the thickness of the window frame and sash sections for fixing the 4-bar hinge can provide sufficient anchorage for the stainless steel rivet or screw.

Where the original rivet/screw holes have been enlarged due to corrosion, the QP shall consider adding stainless steel rivets or screws to the frame at proper positions in addition to the original to ensure safety.

### **Other Installation Requirements**

Reference can be made to PNAP APP-116 for other installation requirements of aluminium windows ↓.

## **11.3 Regular Maintenance**

Whilst the windows had been rendered safe after completion of the repair works, regular maintenance such as light lubrication of hinges and clearing of dust and dirt at hinges and tracks are required to maintain safety of the windows ↓. The QP shall advise the owners of the need for such regular maintenance.

- The End -

**Amendments to the Code of Practice for  
the Mandatory Building Inspection Scheme and the Mandatory Window Inspection Scheme 2012  
(6 March 2017)**

Legends:  New/amended    ↓ Deleted

Item	Clause	2012 Original Version	2017 Amendments	Remarks
<b>1</b>	<b>Part C of Section 3.3.2</b>	<p>(C) Cladding The following defects, and any other defects that the RI considers having safety concern, <b>shall</b> be identified:</p> <p>(a) Displacement of cladding panels; (b) Cracked or loose cladding panels; (c) Defective sealing joints; (d) Stains; and (e) Corrosion of fixing anchors or metal frames.</p> <p>Inspection of fixing anchors and concealed metal frames is not required unless obvious defects or signs of corrosion are identified from external inspection.</p>	<p>(C) Cladding The following defects, and any other defects that the RI considers having safety concern, <b>must</b> be identified:</p> <p>(a) Displacement of cladding panels; (b) Cracked or loose cladding panels; (c) Defective sealing joints; (d) <b>Rust stains</b>; and (e) Corrosion of fixing anchors or metal frames.</p> <p>Inspection of fixing anchors and concealed metal frames is not required unless obvious defects or signs of corrosion are identified from external inspection.</p>	<p>■ <b>Textual refinement.</b></p>
<b>2</b>	<b>Part A of Section 3.4.2</b>	<p>(A) General Structural elements shall be inspected visually and/or by other non-destructive methods such as hammer-tapping, cover meter survey, crack width measurement or other feasible means, where appropriate, from ground level and other available vantage points and openings.</p> <p><b>For cantilevered slab canopy projecting over street, inspection by opening up the concrete cover at suitable locations at the root of the canopy immediately adjoining the parent structure should be conducted to assess the degree of corrosion of the existing main reinforcement. The RI shall exercise his professional judgment to select sufficient</b></p>	<p>(A) General Structural elements must be inspected visually and/or by other non-destructive methods such as hammer-tapping, cover meter survey, crack width measurement or other feasible means, where appropriate, from ground level and other available vantage points and openings.</p> <p><span style="color: red;">↓</span></p>	<p>■ <b>2<sup>nd</sup> paragraph was deleted and moved to Part B of the same Section;</b></p> <p>■ <b>Textual refinement.</b></p>

Item	Clause	2012 Original Version	2017 Amendments	Remarks
		<p><b>opening up locations with at least 2 numbers for each discrete canopy of a building under inspection or 1 number for every 10m along the length of the canopy, whichever is the greater.</b></p> <p>The RI <b>shall</b> keep daily inspection records, in which details including the time and date of inspections, locations and items or parts of buildings that have been inspected etc. should be recorded. These daily inspection records <b>shall</b> be submitted to the BD upon completion of the inspection.</p> <p>The following defects or phenomena, and any other defects that the RI considers having safety concern, <b>shall</b> be identified:</p> <ul style="list-style-type: none"> <li>(a) Dampness;</li> <li>(b) Rust stains or corrosion of reinforcement;</li> <li>(c) Cracks or signs of distress;</li> <li>(d) Spalling;</li> <li>(e) Delamination;</li> <li>(f) Exposed reinforcement;</li> <li>(g) Voids and honeycombing;</li> <li>(h) Deformation or displacement; and</li> </ul>	<p>The RI <b>must</b> keep daily inspection records, in which details including the time and date of inspections, locations and items or parts of buildings that have been inspected etc. should be recorded. These daily inspection records <b>must</b> be submitted to the BD upon completion of the inspection.</p> <p>The following defects or phenomena, and any other defects that the RI considers having safety concern, <b>must</b> be identified:</p> <ul style="list-style-type: none"> <li>(a) Dampness;</li> <li>(b) Rust stains or corrosion of reinforcement;</li> <li>(c) Cracks or signs of distress;</li> <li>(d) Spalling <b>of concrete</b>;</li> <li>(e) Delamination;</li> <li>(f) Exposed reinforcement;</li> <li>(g) Voids and honeycombing <b>in concrete</b>;</li> <li>(h) Deformation or displacement; and</li> </ul>	
3	3 <sup>rd</sup> paragraph of Part B of Section 3.4.2	<p>For cantilevered slab canopy, apart from the items in paragraph (A) above, the RI shall look out for any water ponding, defective drains, signs of water seepage, existence of UBW erected on and/or attached to the soffit of the canopy.</p>	<p>For cantilevered slab canopy, apart from the items in paragraph (A) above, the RI <b>must</b> look out for any water ponding, defective drains, signs of water seepage, existence of UBW erected on and/or attached to the soffit of the canopy.</p> <p><b>For cantilevered slab canopy projecting over street, the RI must also conduct the following investigation and take into account the information obtained on site to conduct assessment in accordance with section 4.3.3, 4.3.4 to ascertain the safety level of the canopy:</b></p> <p><b>(a) opening up the concrete cover at suitable</b></p>	<p>■ <b>To clarify the inspection and investigation requirements for cantilevered slab canopy projecting over street. RI must carry out inspection and investigation such as opening-up and coring and then conduct structural assessment to ascertain the safety level of the canopy.</b></p>

Item	Clause	2012 Original Version	2017 Amendments	Remarks
			<p>locations at the root of the canopy immediately adjoining the parent structure must be conducted to assess the degree of corrosion of the existing main reinforcement;</p> <p>(b) coring at appropriate locations must be carried out to measure the actual slab thickness, compressive strength and carbonation of concrete;</p> <p>(c) at the open-up locations, the layout of the existing reinforcement, including the bar diameter, bar spacing, the thickness of concrete cover, and the thickness of screeding and waterproofing on the canopy must be measured; and</p> <p>(d) the span length of the cantilevered slab canopy, dimensions of any parapet wall, downturn and/or architectural features, etc must be measured.</p> <p>The RI must exercise his professional judgment to select sufficient opening up and coring locations with at least 2 numbers for each discrete canopy of a building under inspection or 1 number for every 6m along the length of the canopy, whichever is the greater.</p>	
4	2 <sup>nd</sup> paragraph of Part A of Section 3.6.2	For concealed drain pipes laid within common vertical pipe ducts located inside individual private premises, inspection may be made by gaining access from the individual private premises at least every 3 floors and at pipe duct outlet to assess the overall condition of the pipes and sign of seepage.	For <b>common exposed drain pipes</b> / drain pipes laid within common vertical pipe ducts located inside individual private premises, inspection may be made by gaining access from the individual private premises at least every 3 floors and at pipe duct outlet to assess the overall condition of the pipes and sign of seepage.	<p>■ To clarify the inspection requirements for the exposed drain pipes located inside private premises are the same as those concealed.</p>

Item	Clause	2012 Original Version	2017 Amendments	Remarks
5	5 <sup>th</sup> paragraph of Part A of Section 3.6.2	<p>The following defects or deficiencies, and any other defects or deficiencies that the RI considers as affecting the sanitary condition of the building under inspection or affecting public health, <b>shall</b> be identified:</p> <p>(a) Corrosion, leakage, deformation, displacement, damage and blockage of drain pipes and traps including underground drains;</p>	<p>The following defects or deficiencies, and any other defects or deficiencies that the RI considers as affecting the sanitary condition of the building under inspection or affecting public health, <b>must</b> be identified:</p> <p>(a) Corrosion, leakage, deformation, displacement, damage and blockage of drain pipes and traps including underground drains <b>and misconnected common drains;</b></p>	<p>■ <b>To include misconnected common drains affecting sanitary condition or affecting public health as drainage defects.</b></p>
6	5 <sup>th</sup> paragraph of Section 3.6.3	<p>The RI <b>shall</b> provide appropriate proposals for the rectification and repair <b>works</b> in the Inspection Report, based on the inspection findings, including any detailed investigation and professional judgement.</p>	<p>The RI <b>must</b> provide appropriate proposals for the rectification and repair <b>of the defective or insanitary condition identified</b> in the Inspection Report, based on the inspection findings, including any detailed investigation and professional judgement.</p>	<p>■ <b>To elaborate the requirements.</b></p>
7	4 <sup>th</sup> paragraph of Section 3.7.3	<p>If emergency in relation to building safety is revealed during the building inspection, the RI <b>shall</b> notify the BA and alert the owners and occupants immediately.</p>	<p>If emergency in relation to building safety is revealed during the building inspection, the RI <b>must</b> notify the BA and alert the owners and occupants immediately.</p> <p><b>The RI should also advise the owners to remove all the UBW identified.</b></p>	<p>■ <b>To elaborate RI's follow-up action on UBW.</b></p>
8	Section 5.6.2	<p>For underground drains, the RI should consider the following repair methods and any other methods suitable and necessary in the circumstances of the building under repair:</p> <p>(a) Defective sections <b>shall</b> be replaced or repaired by using resin drain liner or other feasible means;</p>	<p>For underground drains, the RI should consider the following repair methods and any other methods suitable and necessary in the circumstances of the building under repair:</p> <p>(a) Defective sections <b>must</b> be replaced or repaired by using resin drain liner or other feasible means. <b>Misconnected common drain affecting sanitary condition of the building or affecting public health must be rectified to alleviate the health and environmental nuisance;</b></p>	<p>■ <b>To include misconnected common drains affecting sanitary condition or affecting public health as drainage defects.</b></p>

Item	Clause	2012 Original Version	2017 Amendments	Remarks
9	Section 6.4	<p>The RI <b>shall</b> examine and supervise all the rectification and repair works carried out by the RC at such frequency and extent as he considers appropriate to ensure that the works are prepared, carried out and completed to the required standards.</p> <p>Defects and deficiencies mentioned in the Inspection Report and those identified during the repair stage <b>shall</b> be repaired or rectified. The RI <b>shall</b> supervise and examine the preparation, rectification and repair works to ensure that the works meet the minimum technical standards required. The RI may <b>designate a person as his representative</b> to provide supervision to the repair of the building elements at the stages of the repair works specified in Appendix VI. <b>The qualification and experience required of the person shall be at least a certificate or diploma holder in the field of construction including architecture, building studies, engineering and surveying with minimum total relevant working experience of 2 years.</b></p> <p>If the building owners appoint the same RI to carry out both the building inspection and supervision of building repair works, the RI may include the particulars, qualifications and experience of the RI's <b>representative</b> in the repair proposal of the Inspection Report for submission to the BA.</p> <p>The RI <b>shall</b> notify the BA in writing of any appointment or change of his <b>representative</b> and provide the BA with the particulars, qualifications and experience of his <b>representative</b> in accordance with the requirements stipulated in the B(I&amp;R)R. The RI <b>shall</b> assume the overall responsibility for the supervision of the prescribed repair works carried out by the RC, even when part of the supervision is</p>	<p>The RI <b>must</b> examine and supervise all the rectification and repair works carried out by the RC at such frequency and extent as he considers appropriate <b>but not less than that specified in Appendix VI</b> to ensure that the works are prepared, carried out and completed to the required standards.</p> <p>Defects and deficiencies mentioned in the Inspection Report and those identified during the repair stage <b>must</b> be repaired or rectified. The RI <b>must</b> supervise and examine the preparation, rectification and repair works to ensure that the works meet the minimum technical standards required. The RI may <b>set up his own supervision team</b> to provide supervision to the repair of the building elements at the stages of the repair works specified in Appendix VI. <b>The RI must ensure that his supervision team is with adequate manpower, qualification and experience to match the progress of works.</b></p> <p>If the building owners appoint the same RI to carry out both the building inspection and supervision of building repair works, the RI may include the particulars, qualifications and experience of the RI's <b>supervision team</b> in the repair proposal of the Inspection Report for submission to the BA.</p> <p>The RI <b>must</b> notify the BA in writing of any appointment or change of his <b>supervision team, not less than 7 days before making the appointment or within 7 days after the date of change</b>, and provide the BA with the particulars, qualifications and experience of his <b>supervision team</b> in accordance with the requirements stipulated in the B(I&amp;R)R. The RI <b>must</b> assume the overall responsibility for the supervision of <b>the repair</b></p>	<ul style="list-style-type: none"> <li>■ <b>To clarify the minimum supervision requirements of RI and his supervision team.</b></li> </ul>

Item	Clause	2012 Original Version	2017 Amendments	Remarks
		<p>performed by his representative.</p> <p><b>Supervision requirements of some typical rectification/ repair works and proof tests to be provided by the RI and his representatives are listed in Appendix VI. For rectification/ repair works and proof test that are not covered in Appendix VI, the RI shall examine and supervise and repair works and proof tests at such frequency and extent as he considers appropriate in fulfilling his duties as an RI.</b></p> <p>For rectification/repair works that fall within Class I minor works, supervision should also be made in accordance with the requirements of the Technical Memorandum for Supervision Plans and Code of Practice for Site Supervision as necessary.</p> <p>The RI <b>shall</b> inspect the entire rectification and repair works of the building upon the completion of works by the RC prior to his submission of the certificate of completion to the BA.</p>	<p><b>works carried out by</b> the RC, even when part of the supervision is performed by his <b>supervision team.</b></p> <p>↓</p> <p>For rectification/repair works that fall within Class I minor works, supervision should also be made in accordance with the requirements of the Technical Memorandum for Supervision Plans and Code of Practice for Site Supervision as necessary.</p> <p>The RI <b>and his supervision team must</b> inspect the entire rectification and repair works of the building upon the completion of works by the RC prior to his submission of the certificate of completion to the BA.</p>	

Item	Clause	2012 Original Version	2017 Amendments	Remarks
10	2 <sup>nd</sup> and 3 <sup>rd</sup> paragraphs of Section 10	<p>Components of window elements <b>shall</b> be inspected from the interior of the subject building as far as practicable. Areas for attention in inspection and assessment of window are given in section 10.1 below.</p> <p>If emergency in relation to window safety is revealed during the inspection of windows, the QP <b>shall</b> advise the owners and occupants to take appropriate remedial action immediately and notify the BA.</p>	<p>Components of window elements <b>must</b> be inspected from the interior of the subject building as far as practicable. Areas for attention in inspection and assessment of window are given in section 10.1 below.</p> <p><b>Care must be taken during window inspection to prevent windows from falling off the external wall. If necessary, the windows must be temporarily secured by appropriate means such as safety rope.</b></p> <p>If emergency in relation to window safety is revealed during the inspection of windows, the QP <b>must</b> advise the owners and occupants to take appropriate remedial action immediately and notify the BA.</p>	<ul style="list-style-type: none"> <li>■ To remind QP to take precautionary measures in carrying out window inspection.</li> </ul>
11	2 <sup>nd</sup> paragraph of Section 11	<p>All defective window components affecting window safety <b>shall</b> be repaired or replaced. The renewed components <b>shall</b> be of such material and size not inferior to that of the original design. Under normal circumstances, replacement of the whole window is not necessary if the window can be rendered safe by suitable repair.</p>	<p>All defective window components affecting window safety <b>must</b> be repaired or replaced. <b>Defective or corroded screws, rivets and broken/cracked glass panes must be replaced.</b> The renewed components <b>must</b> be of such material and size not inferior to that of the original design. Under normal circumstances, replacement of the whole window is not necessary if the window can be rendered safe by suitable repair.</p>	<ul style="list-style-type: none"> <li>■ To provide more examples/scenarios for replacement of window components.</li> </ul>
12	Appendix VI	As per Appendix VI in 2012 Version	Replacement of Appendix VI (2017 Version) (5 pages)	<ul style="list-style-type: none"> <li>■ To clarify the minimum supervision requirements of RI and his supervision team;</li> <li>■ To allow a representative of RI to carry out level 2 supervision on behalf of RI.</li> </ul>



Item	Clause	2012 Original Version	2017 Amendments	Remarks
13	Item (f) under title “Rectification and Repair Works “ in Appendix VIII	(f) Summary of all rectification and repair works supervised by RI’s <b>Representative</b> .	(f) Summary of all rectification and repair works supervised by RI’s <b>supervision team, including the date of inspection; items inspected; and inspection results.</b>	■ <b>To clarify the requirements on record of supervision in the completion report.</b>
14	“Form 5 – Drainage System” under Appendix XI	As per “Form 5 – Drainage System” under Appendix XI in 2012 Version	Replacement of “Form 5 – Drainage System” under Appendix XI (2017 Version) (1 page)	■ <b>To update to the amendments made above.</b>

**Minimum Supervision Requirements of RI**

The RI must ensure that repair is carried out in accordance with the repair proposal.

The RI may appoint a Level 1 representative and a Level 2 representative to form a supervision team to supervise the rectification/repair works and proof tests on his behalf. However, the RI must carry out the first inspection to rectification/repair works and proof tests that are specified for Level 2 Supervision in Table 3. The minimum qualifications and experience required for Level 1 and Level 2 representative are set out in Table 1. The RI has the overall responsibility and accountability for his supervision team. The representative is directly accountable to the RI.

The minimum requirements on the frequency of inspection and level of supervision to various typical rectification/repair works and proof tests are set out in Table 2 and Table 3 respectively. For rectification/repair works and proof test that are not covered in the table, the RI and his supervision team must examine and supervise the repair works and proof tests at such frequency and extent as the RI considers appropriate in fulfilling his duties as a RI.

Table 1 – Minimum qualifications and experience for RI’s Level 1 and Level 2 Representative

RI’s Representative	Minimum qualifications and experience
Level 1 Representative	Equivalent to the technically competent person (TCP) of grade T1 for Building Works or Class I Minor Works, as stipulated in the Code of Practice for Site Supervision.
Level 2 Representative	(a) Equivalent to the TCP of grade T3 for Building Works or Class I Minor Works, as stipulated in the Code of Practice for Site Supervision; or  (b) Passed specified top-up course with minimum total relevant working experience of 5 years.

**Table 2 – Minimum Frequency of Inspection**

<b>RI or RI's Representative</b>	<b>Minimum Frequency of Inspection</b> <sup>Note</sup>
<b>RI</b>	<b>First inspection to rectification/repair works and proof tests that are specified for Level 2 Supervision</b>
<b>Level 2 Representative</b>	<b>Fortnightly Inspection</b>
<b>Level 1 Representative</b>	<b>Fortnightly Inspection</b>

**Note:**

**Level 2 Representative may take up the responsibilities of Level 1 Representative but their inspection frequency cannot be combined.**

**Table 3 – Minimum supervision requirements for typical stages of work**

<b>Building Elements</b>	<b>Level of Supervision</b>
<b>External Elements</b>	
<b>Preparation</b>	
(a) Verifying hacking of loose finishes and preparation of bedding	1
(b) Examining substrate prior to laying tile finishes	2
(c) Checking location, alignment and size of drill holes for new anchor bolts	1
<b>Repair</b>	
(a) Examining first trial bedding mortar	2
(b) Checking dimensions of replaced cladding panels and curtain wall elements	1
(c) Supervising installation of new anchor bolts	1
(d) Supervising installation of cladding panels	1

<b>Building Elements</b>	<b>Level of Supervision</b>
<b>External Elements</b>	
(e) Supervising application of structural sealant for curtain wall works	1
<b>Proof Test</b>	
(a) Supervising hammer-tapping	1
(b) Conducting pull-off tests	2

<b>Building Elements</b>	<b>Level of Supervision</b>
<b>Structural Elements</b>	
<b>Preparation</b>	
(a) Verifying hacking of damaged, loose, hollow sounding concrete, spalling and honeycomb	1
(b) Supervising opening up of concrete for cracks	1
(c) Checking spacing between sound concrete and exposed reinforcement	1
(d) Checking removal of rust and mill scale	1
<b>Concrete Repair</b>	
(a) Checking new replacing reinforcement	1
(b) Examining reinforcement and sound concrete prior to application of bond coat and repair mortar	2
(c) Supervising application of bond coat and repair mortar	1
(d) Supervising resin injection for cracks	1
<b>Recasting</b>	
(a) Checking formwork and falsework	1
(b) Supervising concrete mixing	1

<b>Building Elements</b>	<b>Level of Supervision</b>
<b>Structural Elements</b>	
(c) Examining reinforcement prior to concreting	2
(d) Supervising concrete compaction and curing	1
<b>Structural Steel Repair</b>	
(a) Checking corrosion protection to steel elements and their connections	1
(b) Supervising replacement of structural members including provision of temporary supports	2
(c) Checking welded joints of structural members	1
<b>Proof Test</b>	
(a) Supervising hammer-tapping	1
(b) Conducting pull-off test	2
(c) Conducting rebound hammer tests, repair mortar compressive strength and bond strength tests, and concrete cube tests	1
(d) Conducting strength tests on new reinforcement and structural steel wherever necessary	1
(e) Conducting non-destructive testing of welds	2

<b>Building Elements</b>	<b>Level of Supervision</b>
<b>Fire Safety Elements</b>	
<b>Rectification and Repair</b>	
(a) Supervising application of fire resisting materials including measurement of coat thickness	1
(b) Supervising repair or rectification of fire safety elements such as elements of construction, walls, fixed light, doors, fire shutters.	1

<b>Building Elements</b>	<b>Level of Supervision</b>
<b>Drainage System</b>	
<b>Preparation</b>	
(a) Checking alignment, fall and sub-grade material prior to laying underground drain pipes	1
<b>Rectification and Repair</b>	
(a) Checking fixings for brackets and connections	1
(b) Checking connection of pipes and connections to last manhole prior to backfilling	1
<b>Proof Test</b>	
(a) Supervising ball tests, air tests, water tests and smoke tests	1
(b) Conducting CCTV survey	2

Notes:

Level 1 supervision – may be performed by RI's Level 1 representative, RI's Level 2 representative or RI.

Level 2 supervision – may be performed by the RI's Level 2 representative or RI. The RI however must carry out the first inspection to rectification/repair works and proof tests that are specified for Level 2 supervision.

## Form 5 – Drainage System

Building address:		Report Page No:
MBIS Notice No.:	Name of Registered Inspector:	Date of Inspection:
Time:	Weather Condition:	
<b>Inspection of Drainage System</b>		

Location	Element	Defect Type*	Type of Unauthorised drainage works**	Follow-up Actions Required			Photo No.	Remarks
				DI	Repair	Others		
External wall facing XX Road	Surface water pipes	1			✓		5	
Kitchen at 2/F Restaurant	Additional pipe		A	✓			8	Suspected unauthorised waste pipe connected to surface water system
5/F Flat B	Pipes within common pipe duct	1			✓		12	
8/F Flat B	ditto	1			✓		13	
Podium right below flat B	Pipe outlet	1			✓		14	
G/F rear lane	Surface channel	2			✓		26	Cracked and broken corner
G/F yard	Underground manhole	7			✓			Misconnected common drain must be rectified

### Legend:

#### \* Defects

- 1 Corrosion, leakage, deformation, displacement or surface damage of pipe
- 2 Damage of manhole or broken of surface channel, gullies and catch pits
- 3 Blockage of pipe, manhole, surface channel, gullies or catch pit
- 4 Corrosion, loosening or breaking of metal brackets
- 5 Missing grating of ventilating pipe
- 6 Deterioration of mica flap in fresh air inlet

7 Misconnected common drain affecting sanitary condition of building or affecting public health

8 Others (please specify)

#### \*\* Unauthorised drainage works

- A Expedient connection of foul or waste water to surface water drainage system
- B Discharge of foul or waste water to external of building or open space
- C Discharge of untreated trade effluent into drainage system
- D Discharge of untreated trade effluent to external of building or open space
- E Others (please specify)

- The End -

**Amendments to the Code of Practice for  
the Mandatory Building Inspection Scheme and the Mandatory Window Inspection Scheme 2012  
(30 April 2018)**

Legends:  New/amended    ↓ Deleted

Item	Clause	2012 Original Version	2018 Amendments	Remarks
1	Section 5.3.1	In general, removal and reinstatement is the most effective and reliable repair technique for rendering and tiling. Appendix IV provides the technical standards of commonly used repair method and proof test.	In general, removal and reinstatement is the most effective and reliable repair technique for rendering and tiling. Appendix IV provides the technical standards of commonly used repair method and proof test. <b>In addition, the finish of the external wall should be reinstated (e.g. application of paint) after completion of repair to external rendering to match the existing appearance.</b>	<ul style="list-style-type: none"> <li>■ To elaborate the requirements.</li> </ul>
2	Section 5.3.6	For repair of finishes in the common corridors and lobbies, reference may be made to section 5.3.1 above wherever applicable. Defective false ceiling in the common corridors and lobbies shall be removed and/or replaced.	For repair of finishes in the common corridors and lobbies, reference may be made to section 5.3.1 above wherever applicable, <b>including reinstatement of finishes (e.g. application of painting) taking into account the existing appearance.</b> Defective false ceiling in the common corridors and lobbies shall be removed and/or replaced.	<ul style="list-style-type: none"> <li>■ To elaborate the requirements.</li> </ul>
3	Section 9.1	<u>Main Procedural Requirements:</u>  (a) Notification to the BA of his appointment as QP in the specified form (Form MWI 1) within 7 days after the date of appointment;  (b) Notification to the BA in writing of his cessation to act as QP within 7 days after the date on which the QP has ceased to act;  (c) Where no prescribed repair is required, submission of a certificate in the specified form (MWI 2a) to	<u>Main Procedural Requirements:</u>  ↓  ↓  (a) Where no prescribed repair is required, submission of <b>notification of appointment</b>	<ul style="list-style-type: none"> <li>■ To delete paragraphs (a) and move paragraph (b) to paragraph (d).</li> <li>■ To replace Specified Forms MWI 1, MWI 2, MWI 2a, MWI 3 and MWI 4 with Specified Forms WI 1, WI 2 and WI 3.</li> </ul>

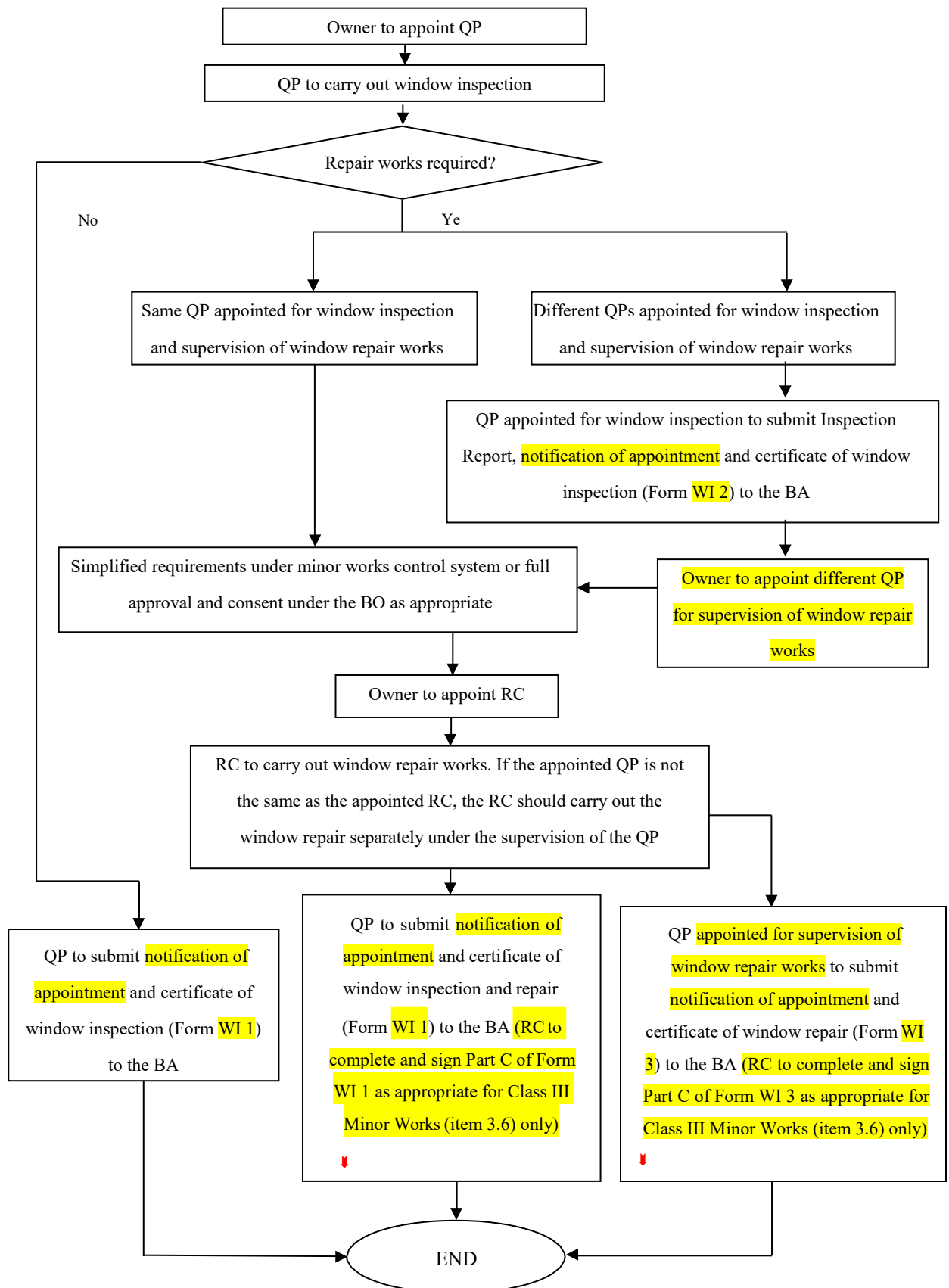


Item	Clause	2012 Original Version	2018 Amendments	Remarks
		<p>the BA within 14 days after completion of a prescribed inspection and delivery of the same on the same day to the person for whom the prescribed inspection is carried out;</p> <p>(d) Where prescribed repair is required, and</p> <p>(i) the same QP is appointed for both the prescribed inspection and supervision of prescribed repair</p> <ul style="list-style-type: none"> <li>● submission of a certificate in the specified form (Form MWI 3) to the BA within 14 days after completion of a prescribed repair; and</li> <li>● delivery of the same on the same day to the person for whom the prescribed repair is carried out.</li> </ul> <p>(ii) the QP is appointed for the prescribed inspection only</p> <ul style="list-style-type: none"> <li>● submission of an Inspection Report and a certificate in the specified form (Form MWI 2) to the BA within 7 days after completion of a prescribed inspection;</li> <li>● delivery of the same on the same day to the person for whom the prescribed inspection is carried out; and</li> <li>● delivery of the same to the QP appointed for supervision of the prescribed repair within 1 month after the date of submission to the BA or before the</li> </ul>	<p><b>and</b> certificate in the specified form (<b>Form WI 1</b>) to the BA within 14 days after completion of prescribed inspection and delivery of the same on the same day to the person for whom the prescribed inspection is carried out;</p> <p><b>(b)</b> Where prescribed repair is required, and</p> <p>(i) the same QP is appointed for both the prescribed inspection and supervision of prescribed repair</p> <ul style="list-style-type: none"> <li>● submission of <b>notification of appointment and</b> certificate in the specified form (Form <b>WI 1</b>) to the BA within 14 days after completion of prescribed repair; and</li> <li>● delivery of the same on the same day to the person for whom the prescribed repair is carried out.</li> </ul> <p>(ii) the QP is appointed for the prescribed inspection only</p> <ul style="list-style-type: none"> <li>● submission of an Inspection Report and <b>notification of appointment and</b> certificate in the specified form (Form <b>WI 2</b>) to the BA within 7 days after completion of prescribed inspection;</li> <li>● delivery of the same on the same day to the person for whom the prescribed inspection is carried out; and</li> <li>● delivery of the same to the QP appointed for supervision of the prescribed repair within 1 month after the date of submission to the BA or before the</li> </ul>	

Item	Clause	2012 Original Version	2018 Amendments	Remarks
		<p>commencement of the prescribed repair, whichever is the earlier.</p> <p>(iii) the QP is appointed for the supervision of the prescribed repair only</p> <ul style="list-style-type: none"> <li>● submission of any revised remedial proposal, if applicable, to the BA within 7 days after certain matter is revealed or circumstance arises, during the course of the prescribed repair, in response to which the QP considers it necessary to revise the proposal;</li> <li>● submission of a certificate in the specified form (Form MWI 4) to the BA within 14 days after completion of a prescribed repair;</li> <li>● delivery of the same on the same day to the person for whom the prescribed repair is carried out; and</li> <li>● if the QP so appointed is not acting as the RC to carry out the prescribed repair, delivery of the Inspection Report before the commencement of the prescribed repair and any revised remedial proposal on the same day on which the revised proposal is submitted to the BA to the RC.</li> </ul> <p>(e) Where the window repair works are designated minor works or involving works that require the prior approval of plans and consent to commencement of works of the BA under the BO, apart from the above procedural requirements under the MWIS, the procedural requirements</p>	<p>commencement of the prescribed repair, whichever is the earlier.</p> <p>(iii) the QP is appointed for the supervision of the prescribed repair only</p> <ul style="list-style-type: none"> <li>● submission of any revised remedial proposal, if applicable, to the BA within 7 days after certain matter is revealed or circumstance arises, during the course of the prescribed repair, in response to which the QP considers it necessary to revise the proposal;</li> <li>● submission of <b>notification of appointment and</b> certificate in the specified form (Form <b>WI 3</b>) to the BA within 14 days after completion of prescribed repair;</li> <li>● delivery of the same on the same day to the person for whom the prescribed repair is carried out; and</li> <li>● if the QP so appointed is not acting as the RC to carry out the prescribed repair, delivery of the Inspection Report before the commencement of the prescribed repair and any revised remedial proposal on the same day on which the revised proposal is submitted to the BA to the RC.</li> </ul> <p><b>(c)</b> Where the window repair works are designated minor works or involving works that require the prior approval of plans and consent to commencement of works of the BA under the BO, apart from the above procedural requirements under the MWIS, the procedural requirements under</p>	

Item	Clause	2012 Original Version	2018 Amendments	Remarks
		under the MWCS or the full approval and consent system, as the case may be, should also be complied with as appropriate.	the MWCS or the full approval and consent system, as the case may be, should also be complied with as appropriate.  <b>(d) Notification to the BA in writing of his cessation to act as QP within 7 days after the date on which he has ceased to act.</b>	
4	<b>Item (A)(I)(d) of Appendix V</b>	(d) Treatment to Reinforcement The exposed reinforcement shall be wire-brushed to remove all loose mill scale and rust. Where the reinforcement is corroded seriously (i.e. loss of sectional area greater than 10%), it shall be replaced by new reinforcement with adequate lapped length to the remained existing reinforcement. The reinforcement shall be primed after cleaning so as to enhance protection against corrosion.	(d) Treatment to Reinforcement The exposed reinforcement shall be wire-brushed to remove all loose mill scale and rust. Where the reinforcement is corroded seriously (i.e. loss of sectional area greater than <b>15%</b> ), it shall be replaced by new reinforcement with adequate lapped length to the remained existing reinforcement. The reinforcement shall be primed after cleaning so as to enhance protection against corrosion.	■ <b>To revise the threshold for replacement of corroded reinforcement from 10% loss of sectional area to 15%.</b>
5	<b>Appendix IX</b>	Flow chart for procedural requirements for MWIS	Revised flow chart in page 5 of this Annex	■ <b>To incorporate the amendments in item 3 above.</b>
6	<b>Appendix X</b>	Tables for Specified Forms for MBIS and MWIS	Revised tables in pages 6 and 7 of this Annex	■ <b>To incorporate the amendments in item 3 above.</b>

Procedural Requirements for MWIS



## Specified Forms for MBIS and MWIS

## MBIS

Stage	Description	Form No.
Prescribed Inspection	Notification of appointment of RI for prescribed inspection and / or prescribed repair of building	Form MBI 1
	Certificate of building inspection (prescribed repair not required)	Form MBI 3a
	Certificate of building inspection (prescribed repair required)	Form MBI 3
Prescribed Repair	Notification of nomination of another RI to temporarily act in the stead of the original RI to supervise the prescribed repair	Form MBI 2
	Certificate of building repair	Form MBI 4
	Certificate of no business connection between the previous RI who carried out the building inspection and the RC	Form MBI 5

## MWIS

Prescribed Repair Works Not Required After Prescribed Inspection		
	Description	Form No.
	Notification of appointment of QP and certificate of prescribed inspection of windows	Form WI 1
Prescribed Repair Required After Prescribed Inspection		
Scenario	Description	Form No.
1. Same QP appointed for prescribed inspection and supervision of repair works	Notification of appointment of QP and certificate of prescribed inspection / repair of windows <sup>1</sup>	Form WI 1

<sup>1</sup> RC to complete and sign Part C of Form WI 1 as appropriate for Class III Minor Works (item 3.6) only

<p><b>2. Different QPs appointed for prescribed inspection and supervision of repair works</b></p>	<p>Notification of appointment of QP and certificate of prescribed inspection of windows (by the QP appointed for prescribed inspection)</p> <p>Notification of appointment of QP and certificate of prescribed repair of windows<sup>2</sup> (by the different QP appointed for supervision of prescribed repair works)</p>	<p>Form WI 2</p> <p>+</p> <p>Form WI 3</p>
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<sup>2</sup> RC to complete and sign Part C of Form WI 3 as appropriate for Class III Minor Works (item 3.6) only

- The End -

**Amendments to the Code of Practice for  
the Mandatory Building Inspection Scheme and the Mandatory Window Inspection Scheme 2012  
(20 July 2020)**

Legends:  New/amended    ✘ Deleted

Item	Clause	2012 Original Version	2020 Amendments	Remarks
1	Section 3.3.2		<p><b>(J) Concealed Elements</b></p> <p><b>For concealed external elements and other physical elements, the RI shall exercise professional judgment to expose sufficient elements for a representative assessment.</b></p> <p><b>Where an external wall is concealed by a wall signboard with display area more than 40m<sup>2</sup>, the RI shall make all efforts to enable inspection of at least 30% of the concealed area by removing portion of the display surface of the signboards temporarily or by other feasible inspection methods. If signs of defect are revealed during the inspection, the RI shall inspect more portion of the concealed area to ascertain the condition of the external wall.</b></p> <p><b>In any case, the RI shall inspect at least 30% of the area of an external wall with concealed element.</b></p>	<ul style="list-style-type: none"> <li>■ To add Item (J) after Item (I).</li> <li>■ To clarify the inspection requirements for concealed external elements and other physical elements.</li> </ul>

Item	Clause	2017 Version	2020 Amendments	Remarks
2	Section 11.1	<p><b>Mandatory Requirements</b></p> <p>All windows shall be rendered safe after completion of repair works.</p> <p>All defective window components affecting window safety must be repaired or replaced. Defective or corroded screws, rivets and broken/cracked glass panes must be replaced. The renewed components must be of such material and size not inferior to that of the original design. Under normal circumstances, replacement of the whole window is not necessary if the window can be rendered safe by suitable repair.</p> <p>The specified fire resistance capability of windows shall be maintained after rectification. For repair or replacement of windows in buildings or commercial premises under the jurisdiction of the FS(CP)O or FS(B)O, QP's attention is drawn to the requirements on fire resistance capability for windows as required thereunder.</p>	<p><b>Mandatory Requirements</b></p> <p>All windows shall be rendered safe after completion of repair works.</p> <p>All defective window components <b>or signs of deterioration</b> affecting window safety must be repaired or replaced. Defective or corroded screws, rivets and broken/cracked glass panes must be replaced. The renewed components must be of such material and size not inferior to that of the original design. Under normal circumstances, replacement of the whole window is not necessary if the window can be rendered safe by suitable repair.</p> <p>The specified fire resistance capability of windows shall be maintained after rectification. For repair or replacement of windows in buildings or commercial premises under the jurisdiction of the FS(CP)O or FS(B)O, QP's attention is drawn to the requirements on fire resistance capability for windows as required thereunder.</p> <p><b>When replacing a hinge, at least 3 numbers of screws or rivets shall be used to fasten it to the window frame and the openable sash.</b></p> <p><b>When replacing a hinge with a stainless steel hinge, or replacing the rivets or screws of an existing stainless steel hinge, stainless steel rivets or screws shall be used to fasten the hinges to the window frames or openable sashes.</b></p> <p><b>Where a stainless steel screw is used, its diameter shall be not less than 5mm and sufficient anchorage shall be provided in the window frame and openable sash.</b></p> <p><b>Where a stainless steel rivet is used (for example,</b></p>	<ul style="list-style-type: none"> <li>■ To amend paragraph 2 and add paragraphs 4 to 11.</li> <li>■ To elaborate the mandatory requirements for window replacement/repair.</li> </ul>



Item	Clause	2017 Version	2020 Amendments	Remarks
			<p>open end blind rivet, multi grip blind rivet or blind rivet nut), its diameter shall be not less than 4.8mm and the rivet head shall be of sufficient size to clamp and hold components together securely.</p> <p>QP and RC should ensure that installation of the screws and rivets shall be in accordance with the manufacturer's specifications.</p> <p>Where the original rivet/screw holes have been enlarged due to corrosion, the QP shall consider adding stainless steel rivets or screws to the frame at proper positions in addition to the original to ensure safety.</p> <p>To reduce the risk of corrosion, holes in hinges, window frames and openable sashes shall be filled with appropriate sealant prior to the installation of screws or rivets. Sealant shall also be applied to the head of screws or rivets to protect the exposed parts of the fasteners from corrosion. Reference shall be made to PNAP APP-116.</p> <p>If replacement or repair of the window is necessary, QP and RC shall comply with the BO and its subsidiary regulations, and make reference to the relevant codes of practice, technical guidelines, PNBL, PNAP and PNRC.</p>	

Item	Clause	2014 Version	2020 Amendments	Remarks
3	Section 11.2	<p><b>Best Practice</b></p> <p>Apart from meeting the prescribed repair standards stipulated under the Section 8 of the B(I&amp;R)R, the QP may advise owner to consider replacing defective components with new components of such material and size complying with current design and construction standards.</p> <p>If replacement of the whole window is necessary, QP shall comply with the BO and regulations and make reference to the relevant code of practice, technical guidelines, PNBI, PNAP and PNRC, wherever appropriate.</p> <p><b>4-bar Hinges</b></p> <p>4-bar hinge is more secure and should be used as far as possible when the hinge is required to be replaced. It shall be of stainless steel with adjustable friction shoes, and all stainless steel bars of the hinge should preferably have a minimum thickness of 2.5mm.</p> <p><b>Rivets and Screws</b></p> <p>For better corrosion resistance, stainless steel rivets or screws shall be used to replace defective or missing rivets or screws. Stainless steel rivets shall be of 4.8mm diameter and stainless steel screws of 5mm diameter.</p> <p>When replacing a 4-bar hinge, sufficient anchorage shall be provided for the stainless steel rivet or screw to fasten the new hinge to the window frame and the openable sash. A positive mechanical fixing, for example, by inserting a stainless steel or hot dip galvanized steel plate or bar/angle of not less than 3mm thick inside the section to provide sufficient threads for</p>	<p><b>Best Practice</b></p> <p>Apart from meeting the prescribed repair standards stipulated under the section 8 of the B(I&amp;R)R <b>and the mandatory requirements set out in section 11.1 above,</b> the QP may advise owner to consider replacing defective components with new components of such material and size complying with current design and construction standards.</p> <p>↓</p> <p><b>4-bar Hinges</b></p> <p>4-bar hinge is more secure and should be used as far as possible when the hinge is required to be replaced. It shall be of stainless steel with adjustable friction shoes, and all stainless steel bars of the hinge should preferably have a minimum thickness of 2.5mm.</p> <p><b>Rivets and Screws</b></p> <p>For better corrosion resistance, stainless steel rivets or screws shall be used to replace defective or missing rivets or screws. ↓</p> <p>↓</p>	<ul style="list-style-type: none"> <li>■ To delete paragraph 2 on Best Practice and paragraphs 2 to 4 on Rivets and Screws.</li> <li>■ To amend paragraph 1 on rivets and screws.</li> <li>■ Textual refinements.</li> </ul>

Item	Clause	2014 Version	2020 Amendments	Remarks
		<p>the screws may be adopted.</p> <p>As an alternative, the window sections for fixing the hinge may be thickened locally to not less than 5mm. When insertion of an extra piece of stainless steel or hot dip galvanized steel bar/angle inside the section or local thickening to 5mm is not adopted, the QP shall ensure that the thickness of the window frame and sash sections for fixing the 4-bar hinge can provide sufficient anchorage for the stainless steel rivet or screw.</p> <p>Where the original rivet/screw holes have been enlarged due to corrosion, the QP shall consider adding stainless steel rivets or screws to the frame at proper positions in addition to the original to ensure safety.</p> <p><b>Other Installation Requirements</b></p> <p>Reference can be made to PNAP APP-116 for other installation requirements of aluminium windows.</p>	<p>↓</p> <p>↓</p> <p><b>Other Installation Requirements</b></p> <p>Reference can be made to PNAP APP-116 for other installation requirements of aluminium windows.</p>	

- The End -

**Amendments to the Code of Practice for  
the Mandatory Building Inspection Scheme and the Mandatory Window Inspection Scheme 2012  
(January 2022)**

Legends:  New/amended    ↓ Deleted

Item	Version	2022 Amendments	Remarks
1. Section 3.2	<p><i>2012 Version</i></p> <p>The RI shall review if the subject building is under the purview of the FS(CP)O or FS(B)O. Where applicable, the RI should also check if any Directions have previously been served by the BD on the building owners concerned and the status of the FS Works.</p>	<p>The RI shall review if the subject building is under the purview of the FS(CP)O or FS(B)O. Where applicable, the RI <span style="color: red;">↓</span> shall check if any Directions have previously been served by the BD on the building owners concerned and the status of the FS Works.</p> <p><span style="background-color: yellow;">The RI shall also check if any statutory orders for repair or investigation served by the BD under the BO on the building owners concerned that are still outstanding for action and will be covered by inspection and repair under MBIS.</span></p>	<p>■ To remind RI to check and cover outstanding statutory orders for repairs or investigation in the MBIS.</p>
2. Section 3.6.1	<p><i>2012 Version</i></p> <p>The Scope of inspection of the drainage system shall include the following:</p>	<p>The Scope of inspection of the drainage system <span style="background-color: yellow;">(including anti-syphonage pipes and ventilating pipes)</span> shall include the following:</p>	<p>■ To remind RI drainage system include anti-syphonage pipes and ventilating pipes.</p>

Item	Version	2022 Amendments	Remarks
<p>3. Section 3.6.2(B)</p>	<p><i>2012 Version</i></p> <p><b>(B) Unauthorised Alterations and Additions</b></p> <p>The following unauthorised alterations and additions, and any other unauthorised alterations and additions to the drainage system that the RI considers may adversely affect the drainage system shall be identified and reported to the BA:</p> <p>(a) Misconnection of foul or waste water to the surface water drainage system or discharge of foul or waste water to external parts of the building or open areas;</p> <p>(b) Drainage alteration and addition resulting in discharge of untreated trade effluent, including hot water, into the drainage system or to external parts of the building or open areas; and</p> <p>(c) Mis-connection of surface water to foul water system.</p>	<p><b>(B) Unauthorised Alterations and Additions</b></p> <p>The following unauthorised alterations and additions, and any other unauthorised alterations and additions to the drainage system that the RI considers may adversely affect the drainage system shall be identified and reported to the BA:</p> <p>(a) Misconnections ↓ in drainage systems (i.e. discharging foul or waste water to the surface water drainage system, discharging foul water into drainage pipe solely for waste water, ↓ discharging foul or waste water to external parts of the building or open areas, or discharging surface water to foul or waste water system); and</p> <p>(b) Drainage alteration and addition resulting in discharge of untreated trade effluent, including hot water, into the drainage system or to external parts of the building or open areas ↓.</p> <p>↓</p>	<p>■ Textual refinement on misconnections of drainage systems.</p>
<p>4. Section 3.6.3 - last paragraph</p>	<p><i>2017 Version</i></p> <p>The RI must provide appropriate proposals for the rectification and repair of the defective or insanitary condition identified in the Inspection Report, based on the inspection findings, including any detailed investigation and professional judgement.</p>	<p>The RI must provide appropriate proposals for the rectification and repair of the defective or insanitary condition of drains or sewers, or misconnections between common drains identified in the Inspection Report, based on the inspection findings, including any detailed investigation and</p>	<p>■ To include misconnection between common drains affecting sanitary condition or affecting public health as drainage</p>

Item	Version	2022 Amendments	Remarks
		professional judgement.	defects.
5. Section 5.6(b)	<p><i>2012 Version</i></p> <p>(b) Relevant guidelines and requirements issued by the Drainage Services Department and the Environment Protection Department.</p>	<p>(b) Relevant guidelines and requirements issued by <b>the BD</b>, the Drainage Services Department and the Environment Protection Department.</p>	<ul style="list-style-type: none"> <li>■ To remind RI to check guidelines and requirements issued by BD.</li> </ul>
6. Section 5.6.1	<p><i>2012 Version</i></p> <p>For common drains, the RI should consider the following repair methods and any other methods suitable and necessary in the circumstances of the building under repair:</p> <p>(a) Defective sections shall be replaced;</p>	<p>For common drains, the RI should consider the following repair methods and any other methods suitable and necessary in the circumstances of the building under repair:</p> <p>(a) Defective sections shall be replaced <b>and misconnections in the last paragraph of Section 3.6.3 shall be rectified;</b></p>	<ul style="list-style-type: none"> <li>■ To provide guidelines to rectify drainage misconnections in item 4 above.</li> </ul>
7. Section 6.4 - 3 <sup>rd</sup> to 5 <sup>th</sup> paragraphs	<p><i>2017 Version</i></p> <p>If the building owners appoint the same RI to carry out both the building inspection and supervision of building repair works, the RI may include the particulars, qualifications and experience of the RI's supervision team in the repair proposal of the Inspection Report for submission to the BA.</p>	<p>If the building owners appoint the same RI to carry out both the building inspection and supervision of building repair works, the RI may include the <b>supervision proposal with</b> particulars, qualifications and experience of the RI's supervision team in the repair proposal of the Inspection Report for submission to the BA <b>or submit the supervision proposal separately.</b></p> <p><b>If the building owners appoint another RI to supervise the building repair works, the appointed RI must, within 7 days after the date of appointment, notify the BA of the appointment and submit the supervision proposal with particulars, qualifications and experience of the RI's supervision team.</b></p>	<ul style="list-style-type: none"> <li>■ To provide a standard supervision proposal.</li> <li>■ Textual refinement.</li> </ul>

Item	Version	2022 Amendments	Remarks
	<p>The RI must notify the BA in writing of any appointment or change of his supervision team, not less than 7 days before making the appointment or within 7 days after the date of change, and provide the BA with the particulars, qualifications and experience of his supervision team in accordance with the requirements stipulated in the B(I&amp;R)R. The RI must assume the overall responsibility for the supervision of the repair works carried out by the RC, even when part of the supervision is performed by his supervision team.</p> <p>For rectification/repair works that fall within Class I minor works, supervision should also be made in accordance with the requirements of the Technical Memorandum for Supervision Plans and Code of Practice for Site Supervision as necessary.</p>	<p>A standard supervision proposal is given in Annex A of Appendix VI.</p> <p>The RI must notify the BA in writing of any ↓ change of his supervision team ↓ within 7 days after the date of change ↓ and provide the BA with the particulars, qualifications and experience of his supervision team in accordance with the requirements stipulated in the B(I&amp;R)R. The RI must ensure the full implementation of the supervision proposal and assume the overall responsibility for the supervision of the repair works carried out by the RC, even when part of the supervision is performed by his supervision team.</p> <p>For rectification/repair works that fall within Class I minor works, RI's supervision should also be made in accordance with the requirements of the Technical Memorandum for Supervision Plans and Code of Practice for Site Supervision as necessary.</p>	
8. Section 10 - 1 <sup>st</sup> paragraph	<p><i>2014 Version</i></p> <p>The QP shall carry out window inspection personally if he is a natural person. Where the QP is a RGBC or RMWC registered in the name of a company, the window inspection shall be carried out personally by its Authorized Signatory as the representative of the QP as prescribed in the B(I&amp;R)R. The inspection shall cover all window elements of openable sash and fixed panel.</p>	<p>The QP shall carry out window inspection personally if he is a natural person. Where the QP is a RGBC or RMWC registered in the name of a company, the window inspection shall be carried out personally by its Authorized Signatory as the representative of the QP as prescribed in the B(I&amp;R)R. The inspection shall cover all window elements of openable sash and fixed panel. Where windows are concealed by decoration, furniture, etc., the</p>	<ul style="list-style-type: none"> <li>■ To remind QP to inspect windows concealed by decoration, furniture, etc.</li> </ul>

Item	Version	2022 Amendments	Remarks
		QP shall make all efforts to remove the obstructions to enable inspection to all components of window elements.	
9. Appendix II	2012 Version Appendix II	Replacement by Appendix II (2022 Version) (1 page)	■ Consequential amendments under item 1 above.
10. Appendix V - Item (A)(I)(b)	<p>2012 Version (b) Materials Cementitious mortar and polymer modified cementitious mortar are the most common types of repair mortar. The RI shall ensure that the compressive strength of the repair mortar shall not be inferior to that of the concrete substrate.</p> <p>Prior to the commencement of the patch repair works, the RI shall conduct tests on compressive strength and bond strength of the repair mortar at an age of 7 days. A minimum of two specimens shall be tested for each of the above strength properties. The RI shall include the test results in the Completion Report.</p>	<p>(b) Materials Cementitious mortar and polymer modified cementitious mortar are the most common types of repair mortar. The RI shall ensure that the compressive strength of the repair mortar shall not be inferior to that of the concrete substrate.</p> <p>Prior to the commencement of the patch repair works, the RI shall conduct tests on compressive strength and bond strength of the repair mortar at an age of 7 days. A minimum of two specimens shall be tested for each of the above strength properties. Such material tests are not required if the repair mortar is covered by a valid certificate of conformity (CoC) under the Product Conformity Certification Scheme for Repair Mortar issued by an accredited certification body.</p> <p>The RI shall include the test results or the CoC of the repair mortar in the Completion Report.</p>	<p>■ To provide an alternative way to material tests on repair mortar.</p>



Item	Version	2022 Amendments	Remarks
11. Appendix VI	<i>2017 Version</i> Appendix VI	Replacement by Appendix VI (2022 Version) (15 pages)	■ Consequential amendments under item 7 above and updated RI's supervision requirements.
12. Appendix VII	<i>2012 Version</i> Appendix VII	Replacement by Appendix VII (2022 Version) (4 pages)	■ Consequential amendments under item 1 above.
13. Appendix VIII	<i>2017 Version</i> Appendix VIII	Replacement by Appendix VIII (2022 Version) (2 pages)	■ Consequential amendments under item 1 above.

**Pre-inspection Preparation**

The RI shall obtain and review the following background building information prior to the carrying out of building inspection:

- (a) OP date;
- (b) Usage;
- (c) Approved plans;
- (d) Plans and details of minor works carried out under the simplified requirements;
- (e) Plans and documents submitted to the BA under section 39C of the BO;
- (f) Whether the subject building or premises is subject to the FS(CP)O or FS(B)O and whether Fire Safety Directions or Fire Safety Improvement Directions have been served;
- (g) Whether the subject building or premises has any outstanding statutory orders for repair or investigation issued under the BO;
- (h) Previous records on building inspection, rectification and repair; and
- (i) Maintenance manual.

### Minimum Supervision Requirements of RI

The RI must ensure that repair is carried out in accordance with the repair proposal and supervised in accordance with the supervision proposal.

The RI may appoint a Level 1 representative and a Level 2 representative to form a supervision team to supervise the rectification/repair works and proof tests on his behalf. ↓ The minimum qualifications and experience required for Level 1 and Level 2 representative are set out in Table 1. The RI has the overall responsibility and accountability for his supervision team. The representative is directly accountable to the RI.

The minimum ↓ frequency of site inspection ↓ required for the RI and his supervision team are set out in Table 2 ↓.

A standard supervision proposal is set out in Annex A.

The effect of the scale of rectification/repair works should be considered in determination of supervision requirements for each site inspection. It should be assessed by a scale factor of the works in accordance with the Code of Practice for Site Supervision.

RI should devise checklists for his representatives by making reference to the items listed in Table 3 and to include any other particular items considered appropriate and necessary. All items inspected must be properly recorded as inspection records as in Annex B. All non-conformities detected during the checking must be properly recorded in the Non-conformity and Rectification Reports as in Annex C.

When witnessing proof tests and checking materials on site, all essential information must be properly recorded as in Annex D and Annex E respectively.

All the checklists and inspection records must be completed contemporaneously and properly kept for the inspection of the BA upon request.

Table 1 – Minimum qualifications and experience for RI’s Level 1 and Level 2 Representatives

RI’s Representative	Minimum qualifications and experience
Level 1 Representative	Equivalent to the technically competent person (TCP) of grade T1 for Building Works or Class I Minor Works, as stipulated in the Code of Practice for Site Supervision.

Level 2 Representative	<p>(a) Equivalent to the TCP of grade T3 for Building Works or Class I Minor Works, as stipulated in the Code of Practice for Site Supervision; or</p> <p>(b) Passed specified top-up course with minimum total relevant working experience of 5 years.</p>
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Table 2 – Minimum Frequency of Site Inspection

RI or RI's Representative	Minimum Frequency of Site Inspection <sup>Note</sup>
RI	First inspection to rectification/repair works and proof tests that are specified for Level 2 Supervision
Level 2 Representative	Fortnightly Inspection
Level 1 Representative	Weekly Inspection

Note:

A Level 2 Representative may take up the responsibilities of a Level 1 Representative provided that the minimum frequency of site inspection by Level 1 Representative shall be adhered to.

Table 3 – Typical Items for the Checklist

**General Supervision Items**

Item No.	Typical Items for General Supervision	Supervision Level	
		Level 2	Level 1
G1	Establish systems for co-ordinating, compiling and filing of reports, maintaining filing systems; and forwarding reports to RI in case of non-conformity.	✓	✓
G2	Check that the provision and condition of scaffolding, catch fans, matscreens and heavy duty nylon mats, as appropriate, are satisfactory.		✓
G3	Register reports of non-conformity and inform relevant parties of non-conformity.	✓	✓
G4	Report to the RI if non-conformity is considered to pose an imminent danger, to be a significant risk or a source of danger or the RC does not comply with rectification instructions.	✓	✓
G5	Check that lower level of representative and RC are conducting site inspections no less than the required frequency and carrying out duties in accordance with the Code of Practice the Mandatory Building Inspection Scheme and the Mandatory Window Inspection Scheme, and the Code of Practice for Site Supervision.	✓	✓
G6	Check and monitor that all temporary works are installed in accordance with agreed method statement.	✓	✓
Gn	<i>Any other items considered essential by the RI</i>		

## Quality Supervision Items

Item No.	Typical Items for External Elements	Supervision Level	
		Level 2	Level 1
<b>E1</b>	<b>Preparation</b> Verify hacking of loose finishes and preparation of bedding		✓
<b>E2</b>	Examine substrate prior to laying tile finishes	✓	
<b>E3</b>	Check location, alignment and size of drill holes for new anchor bolts		✓
<b>E4</b>	<b>Rectification/Repair</b> Examine first trial bedding mortar	✓	
<b>E5</b>	Check dimensions of replaced cladding panels and curtain wall elements		✓
<b>E6</b>	Supervise installation of new anchor bolts		✓
<b>E7</b>	Supervise installation of cladding panels		✓
<b>E8</b>	Supervise application of structural sealant for curtain wall works		✓
<b>E9</b>	<b>Materials</b> Check material delivery records and ensure they meet the approved requirements		✓
<b>E10</b>	<b>Proof Test</b> Supervise hammer-tapping		✓
<b>E11</b>	Conduct pull-off tests	✓	
<b>En</b>	<i>Any other items considered essential by the RI</i>		

Item No.	Typical Items for Structural Elements	Supervision Level	
		Level 2	Level 1
<b>S1</b>	<b>Preparation</b> Verify hacking of damaged, loose, hollow sounding concrete, spalling and honeycomb		✓
<b>S2</b>	Supervise opening up of concrete for cracks		✓
<b>S3</b>	Check spacing between sound concrete and exposed reinforcement		✓
<b>S4</b>	Check removal of rust and mill scale		✓
<b>S5</b>	<b>Concrete Repair</b> Check new replacing reinforcement		✓
<b>S6</b>	Examine reinforcement and sound concrete prior to application of bond coat and repair mortar	✓	
<b>S7</b>	Supervise application of bond coat and repair mortar		✓
<b>S8</b>	Supervise resin injection for cracks		✓
<b>S9</b>	<b>Recasting</b> Check formwork and falsework		✓
<b>S10</b>	Supervise concrete mixing		✓
<b>S11</b>	Examine reinforcement prior to concreting	✓	
<b>S12</b>	Supervise concrete compaction and curing		✓

<b>S13</b>	<b>Structural Steel Repair</b> Check corrosion protection to steel elements and their connections		✓
<b>S14</b>	Supervise replacement of structural members including provision of temporary supports	✓	
<b>S15</b>	Check welded joints of structural members		✓
<b>S16</b>	<b>Materials</b> Check material delivery records and ensure they meet the approved requirements		✓
<b>S17</b>	<b>Proof Test</b> Supervise hammer-tapping		✓
<b>S18</b>	Conduct pull-off test	✓	
<b>S19</b>	Conduct rebound hammer tests ↓ and concrete cube tests		✓
<b>S20</b>	Conduct repair mortar compressive strength and bond strength tests (if repair mortar is not covered by a valid certificate of conformity under the Product Conformity Certification Scheme for Repair Mortar)		✓
<b>S21</b>	Conduct strength tests on new reinforcement and structural steel wherever necessary		✓
<b>S22</b>	Conduct non-destructive testing of welds	✓	
<b>Sn</b>	<i>Any other items considered essential by the RI</i>		

Item No.	Typical Items for Fire Safety Elements	Supervision Level	
		Level 2	Level 1
<b>F1</b>	<b>Rectification and Repair</b> Supervise application of fire resisting materials including measurement of coat thickness		✓
<b>F2</b>	Supervise repair or rectification of fire safety elements such as elements of construction, walls, fixed light, doors, fire shutters.		✓
<b>F3</b>	<b>Materials</b> Check material delivery records and ensure they meet the approved requirements		✓
<b>Fn</b>	<i>Any other items considered essential by the RI</i>		

Item No.	Typical Items for Drainage System	Supervision Level	
		Level 2	Level 1
<b>D1</b>	<b>Preparation</b> Check alignment, fall and sub-grade material prior to laying underground drain pipes		✓
<b>D2</b>	<b>Rectification and Repair</b> Check fixings for brackets and connections		✓
<b>D3</b>	Check connection of pipes and connections to last manhole prior to backfilling		✓
<b>D4</b>	<b>Materials</b> Check material delivery records and ensure they meet the approved requirements		✓

	<b>Proof Test</b>		
D5	Supervise ball tests		✓
D6	Supervise air tests		✓
D7	Supervise water tests		✓
D8	Supervise smoke tests		✓
D9	Conduct CCTV survey	✓	
Dn	<i>Any other items considered essential by the RI</i>		

Notes:

Level 1 supervision – may be performed by RI’s Level 1 representative, RI’s Level 2 representative or RI.

Level 2 supervision – may be performed by the RI’s Level 2 representative or RI. The RI however must carry out the first inspection to rectification/repair works and proof tests that are specified for Level 2 supervision.

**Mandatory Building Inspection Scheme**

MBIS Notice No.\* : \_\_\_\_\_

**Registered Inspector (RI)  
Supervision Proposal for Repair Works**

To the Building Authority,

For the purpose of section 30D(4)(a) of the Buildings Ordinance (BO), we submit this supervision proposal for the proposed building repair works at (name and address of building) \_\_\_\_\_ on Lot No. \_\_\_\_\_.

2. We have signed under Parts I and II respectively of this supervision proposal. Our signatures indicate our undertaking that the supervision of building repair works at this building will be carried out in accordance with this supervision proposal. We also undertake that the management and execution of both site safety and quality supervision of the works covered by this supervision proposal will be carried out in the manner prescribed by the provisions of the BO, the Building (Inspection and Repair) Regulation (B(I&R)R) and the Code of Practice for the Mandatory Building Inspection Scheme and the Mandatory Window Inspection Scheme (the Code).

**Part I - Supervision Proposal of the Registered Inspector (RI)**

3. The works covered by this supervision proposal are:

Type of Building Works	Date of Repair Proposal	Cost	Scale Factor
Class I minor works*		A supervision plan is to be separately submitted to the Building Authority in accordance with the Minor Works Control System.*	
Class II/III minor works			

Notes -

- The amount of supervision by RI's representative is given in Annex A1.
- The determination of the scale factor is in accordance with the Code of Practice for Site Supervision.

\* Delete if not applicable.



4. RI's supervision team for the designated type of works identified are:

	Full Name in English <sup>^</sup>	Full Name in Chinese <sup>^</sup>	I.D. No. <sup>^</sup> /RI Registration No. <sup>**</sup> /Technically Competent Person (TCP) No. <sup>**</sup>	Expiry Date of RI Registration <sup>§</sup> /TCP Validity Period <sup>§</sup> (if applicable)	Minimum Frequency of Site Inspection <sup>α</sup>
RI					
Level 2 Representative					
Level 1 Representative					

Note - The CVs showing their relevant experience and academic qualifications are given in the attachment. If more than one Level 1 Representative or Level 2 Representative is proposed, the demarcation of their responsibility should be provided.

<sup>^</sup> In accordance with the Hong Kong Identity Card.

<sup>\*\*</sup> CV is not required if RI Registration No. or TCP No. under the TCP Registration Scheme is provided.

<sup>§</sup> In accordance with the registration record.

<sup>α</sup> Minimum frequency of site inspection shall be in accordance with Table 2 in Appendix VI of the Code.

5. I (name in full) \_\_\_\_\_ (Chinese) \_\_\_\_\_, RI, certify that Part I (paragraphs 3 and 4) of this supervision proposal is prepared by me and it complies with the requirements of the BO, B(I&R)R and the Code. I have also read and hereby confirm paragraphs 1 and 2 of this supervision proposal. Confirmation for appointment and contact information of Level 1 Representative and Level 2 Representative (Annex A2) is submitted with this supervision proposal.

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature<sup>#</sup>

Any false certification or declaration may be subject to legal action

Certificate of Registration No.<sup>#</sup> :

Date of Expiry of Registration<sup>#</sup> :

\_\_\_\_\_  
\_\_\_\_\_

**Part II - Supervision Proposal of Registered Contractor (RC) for Class II/III Minor Works**

6. RC's supervision team for the designated type of works identified as specified in paragraph 3 of Part I are:

	Full Name in English <sup>^</sup>	Full Name in Chinese <sup>^</sup>	I.D. No. <sup>^</sup>	Minimum Frequency of Site Inspection <sup>**</sup>
Authorized signatory (AS)				As and when necessary or continuous supervision*
Representative of RC				continuous supervision

<sup>\*\*</sup> In accordance with section 9AA(6)(a) of BO, the appointed RC must provide continuous supervision in relation to the carrying out of the site works. AS must fill in the above table and indicate that he or the representative of RC shall be responsible for the continuous supervision of the works. If more than one representative of RC are proposed to be responsible for the continuous supervision of site works, the demarcation of their responsibilities should be provided.

<sup>^</sup> In accordance with the Hong Kong Identity Card.

7. I (name in full) \_\_\_\_\_ (Chinese) \_\_\_\_\_, AS of the registered general building contractor (RGBC)/registered minor works contractor (RMWC)\*, certify that Part II (paragraphs 6) of this supervision proposal is prepared by me and it complies with the requirements of the BO, B(I&R)R and the Code. I have also read and hereby confirm paragraphs 1 and 2 of this supervision proposal. Confirmation for appointment and contact information of AS and representative of RC (Annex A2) is submitted with this supervision proposal.

Date: \_\_\_\_\_

Signature<sup>#</sup>

Any false certification or declaration may be subject to legal action

Name<sup>#</sup> of RGBC/RMWC\*  
(Chinese)

Certificate of Registration No. <sup>#</sup>

Date of Expiry of Registration<sup>#</sup>

Enclosures: Annexes

<sup>#</sup> In accordance with registration record.

\* Delete if not applicable.

## **Personal Data**

### **Purposes of Collection**

1. The personal data provided by means of this supervision proposal will be used by the Buildings Department for the following purposes:
  - (a) activities relating to the processing of your submission in this supervision proposal;
  - (b) activities relating to the above proposed building works; and
  - (c) facilitating communication between the Buildings Department and yourself.
2. It is obligatory for you to provide the information as required in the supervision proposal. If you fail to provide the required data, delay may be caused in processing of your submission or even result in rejection of the application.

### **Classes of Transferees**

3. The personal data you provided by means of this supervision proposal may be disclosed to other government departments, bureaux, organisations or any persons for the purposes mentioned in paragraph 1 above.

### **Access to Personal Data**

4. You have the right of access and correction with respect to the personal data as provided under the Personal Data (Privacy) Ordinance. The Buildings Department has the right to charge a reasonable fee for the processing of any data access request. Request for personal data access and correction should be addressed to the Mandatory Building Inspection Sections of the Buildings Department.

## The amount of supervision by RI's representative

Building Works		Supervision Input			
(1)	(2)	(3)	(4)	(5)	(6)
Types of Building Works	Scale Factor (S)	RI's Representative	Frequency of Site Supervision	Notional Supervision Input	Adjusted Supervision Input (2) x (5)
				(man-hour/day)	
Class II/III Minor Works & Other Rectification/Repair Works		Level 2	Fortnightly	8	
		Level 1	Weekly	8	

Note - The determination of the scale factor is in accordance with the Code of Practice for Site Supervision.

**Mandatory Building Inspection Scheme  
Confirmation of Appointment of Representatives of RI/RC\* Supervision Team**

**MBIS Notice No.\*** \_\_\_\_\_ **Name and Address of Building** \_\_\_\_\_  
**Type of Works** \_\_\_\_\_

<b>Full Name in English/Chinese<sup>1</sup></b>	<b>Post of Supervision Team</b>	<b>Minimum Frequency of Site Inspection<sup>1</sup></b>	<b>Correspondence Address</b>	<b>Telephone Number</b>	<b>Email Address</b>	<b>Signature of RI's Representative/ Representative of RC<sup>2</sup></b>
	Level 2 Representative*					
	Level 1 Representative*					
	Representative of RC					

**Notes -**

- The RI/AS\* should ensure that the name of the Level 2/Level 1 Representative/Representative of RC and the minimum frequency level of inspection are the same as that shown on the supervision proposal submitted to the Building Authority (BA). If there is a change of Representative in future, the RI/RC shall submit the revised supervision proposal, with new Representative's confirmation, to the BA within 7 days of the change.
- Signature in this confirmation indicates the Representative's acknowledgement of appointment and availability for the job, and he/she is not overloaded with engagement in other construction sites. If there is any change subsequently, he/she should notify the RI/AS and the BA. The signature in this confirmation also indicates that the Representative has read, understood and agreed the notes for "Personal Data" attached to this Form.

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Full Name<sup>#</sup> of RI/AS\***

\_\_\_\_\_ **Signature<sup>#</sup>**  
 Any false certification or declaration may be subject to legal action

\_\_\_\_\_ **Certificate of Registration No. for RI/RC\***

\_\_\_\_\_ **Date<sup>#</sup> of Expiry of Registration**

\* Delete if not applicable.

# In accordance with registration record.

**Supervision Record taken by Representative under RI/RC\* Stream**

**MBIS Notice No.\*** : \_\_\_\_\_

**Name and Address of Building** : \_\_\_\_\_

**Type of Works** : \_\_\_\_\_

**Full Name<sup>(1)</sup> of RI/  
RI's Representative/  
AS/Representative of RC\*** : \_\_\_\_\_

**Frequency of Inspection** : \_\_\_\_\_

Date  Item No. <sup>(2)</sup>	<i>(e.g. 28 June 2021 (Monday))</i>			Photos (if any)
	Locations of the Works Inspected (if applicable)	Inspection Findings		
	Location/Details	Result (S <sup>(3)</sup> /NS <sup>(4)</sup> /NA <sup>(5)</sup> )	Remedial / Remark	
<b>Signature</b>				

\* Delete if not applicable.

Note <sup>(1)</sup> : Full name of the RI/RI's Representative/AS/Representative of RC as provided in the supervision proposal.

Note <sup>(2)</sup> : According to the checklists attached.

Note <sup>(3)</sup> : "S" denotes "Satisfactory".

If a non-conformity is very minor in nature and has been rectified to the satisfaction of the RI at the same inspection, it would be recorded as "satisfactory".

Note <sup>(4)</sup> : "NS" denotes "Not Satisfactory".

It should be recorded in the site supervision report and where applicable **Form SP2**.

Completion of **Form SP2** is **required** for a non-conformity that (a) has material concern for safety; or (b) does not have material concern for safety but the works item/rectification works cannot be verified due to the areas have been covered up during inspection or re-inspection.

Note <sup>(5)</sup> : "NA" denotes "Not Applicable".

**Non-Conformity and Rectification Reports**

**PART 1**

MBIS Notice No.\* : \_\_\_\_\_

Name and Address of Building : \_\_\_\_\_

**Record of Non-Conformity**

Date Discovered : \_\_\_\_\_

Details : \_\_\_\_\_

Signature^ : \_\_\_\_\_

Full Name# of RI /RI's Representative\* : \_\_\_\_\_

Date : \_\_\_\_\_

**PART 2**

**Record of Rectification Works**

Instruction for rectification given to : \_\_\_\_\_ (Full Name<sup>α</sup> of AS/Representative of RC\*) on \_\_\_\_\_ (date).

Details of Instruction : \_\_\_\_\_

Rectification works certified completion on \_\_\_\_\_ (date).

Signature^ : \_\_\_\_\_

Full Name# of RI/ RI's Representative\* : \_\_\_\_\_

Date : \_\_\_\_\_

c.c. Building Authority

\* Delete if not applicable.

^ RI's signature in accordance with registration record and the signature of representative of RC in accordance with supervision proposal.

# Full name of the RI/RI's Representative as provided in the supervision proposal.

α Full name of AS/Representative of RC as provided in the supervision proposal.

**Supervision Record of Proof Tests**

MBIS Notice No.\* : \_\_\_\_\_  
 Name and Address of Building : \_\_\_\_\_  
 Full Name# of RI/RI's Representative\* : \_\_\_\_\_  
 Location(s) of Test : \_\_\_\_\_ (see attached plan \_\_\_\_\_)  
 Date of Test: \_\_\_\_\_  
 Name of HOKLAS : \_\_\_\_\_  
 Test Method/Standard : \_\_\_\_\_

<b>Type of Proof Test</b>	<b>Location of Test Sample</b>	<b>Size / Description of Test Sample</b>	<b>Comments/Remarks</b>

The test report(s) in respect of \_\_\_\_\_ (*type of proof test*) prepared by \_\_\_\_\_ (*full name of staff prepared the proof test*) was/were checked in accordance with the above details and found in order.

I, (*name in full*) \_\_\_\_\_, RI, confirm that the proof test(s) has/have been carried out and supervised by me/my supervision team\* and the test(s) is/are acceptable/unacceptable\* under relevant building regulations and I am satisfied/dissatisfied\* with the performance of the tests.

Date: \_\_\_\_\_

\_\_\_\_\_  
 Signature# of RI  
 Any false certification or declaration may be subject to legal action

Certificate of Registration No.# \_\_\_\_\_  
 Date of Expiry of Registration# \_\_\_\_\_

\* Delete if not applicable.  
 # In accordance with registration record.



**Materials On-Site Checking Record**

MBIS Notice No.\* : \_\_\_\_\_  
 Name and Address of Building : \_\_\_\_\_  
 Full Name# of RI/RI's Representative\*: \_\_\_\_\_

<b>Item No.</b>	<b>Date of Checking</b>	<b>Product Name</b>	<b>Location of Material Used</b>	<b>Name of Manufacturer &amp; Place of Manufacture (City &amp; Country)</b>	<b>Compliance with Relevant Building Regulations &amp; Code of Practice</b>	<b>Testing Report/ Result/ Certificate</b>	<b>Remarks/ Comments</b>	<b>Checked by RI/ RI's Representative* (Full name#)</b>	<b>Signature# of RI/ RI's Representative*</b>

Note - The materials used in repair works must be checked to comply with the relevant Building Regulations.

\* Delete if not applicable.  
 # In accordance with registration record and as provided in the supervision proposal.

**Inspection Report - Essential Information**

**Cover Page**

The cover page shall contain the following information:

- (a) Building name, address and the lot number
- (b) MBIS notice number
- (c) Name, certificate of registration number and date of expiry of registration of the RI
- (d) Date of the report

**Summary**

This section shall contain a concise summary on the condition of the building inspected and the RI's recommendations.

**Building Information**

The report shall contain the following building information:

- (a) OP date;
- (b) Original and current usage
- (c) Number of storeys and units
- (d) Approved floor plans where available
- (e) Principal construction materials
- (f) Salient information of previous inspection and repair, if available
- (g) Name of Incorporated Owners and management company, if any

## **Reference Documents**

This section shall list the documents which have been reviewed by the RI including the following:

- (a) Approved building, structural, drainage, alteration and addition plans
- (b) Plans and details of minor works carried out under the simplified requirements
- (c) Plans and documents submitted to the BA under section 39C of the BO
- (d) Fire Safety Directions served by the BD on the building owners, if any
- (e) Outstanding statutory orders served by the BD on the building owners for repair or investigation, if any
- (f) Other relevant documents

## **Method Statement for Building Inspection**

This section shall give the method statement for inspection of the various types of building elements covered by the MBIS. Where the RI conducts tests including those for the detailed investigation wherever applicable, details of the tests such as the type, sampling rate, location and method shall also be given.

## **Inspection Results**

This section shall include the following information:

- (a) Daily inspection records, in which details including the time and date of inspections, locations and items or parts of buildings that have been inspected etc.
- (b) Particulars, qualifications and experience of the RI's representative that the RI has engaged to assist him in ascertaining the extent of the defects in accordance with section 3.3.2(B).
- (c) Photos for each elevation of the building
- (d) Summary of all building defects and deficiencies in table form accompanied by

annotated photos and marked up plans, where necessary, or inspection results accompanied by annotated photos showing conditions of the building inspected where rectification and repair works are not required (see Appendix XI). The RI shall also highlight the areas subject to outstanding statutory orders for repair or investigation, if any, in the marked up plans

- (e) Record of defects extending from common parts or external walls to individual flats to which the RI intends to draw the BD's attention, e.g. sections 3.3.3 and 3.4.3 refer
- (f) Record of defective flat entrance door of private premises having adverse effects on the fire safety, section 3.5.3 refers
- (g) Results of all tests carried out during the inspection stage
- (h) A statement reporting that, if the building is subject to Fire Safety Directions, the upgrading works have not yet been completed, section 3.5.2(A) refers
- (i) A statement confirming that the inspection has covered the areas subject to outstanding statutory orders for repair or investigation, section 3.2 refers
- (j) Record of all UBW identified, including those obstructing the building rectification and repair wherever applicable, in table form accompanied by annotated photos and marked up plans, section 3.7.3 refers
- (k) Report on signs of suspected subdivision of flats, section 3.7.1 refers

Sample inspection records are given in Appendix XI for reference.

### **Assessment**

Based on the findings of the building inspection and detailed investigation, where necessary, the RI shall assess the conditions of the whole building and its major elements. The RI shall prepare a repair proposal for all defects and deficiencies identified, wherever applicable.

The RI shall also highlight those building components and areas which require regular maintenance, replacement or management for maintaining safety until the next cycle of inspection and advise the owners of the need for regular maintenance and replacement of such components.

## **Repair Proposal**

Under the MBIS, building elements that have become dangerous or liable to become dangerous shall be repaired. Where rectification and repair works are required, the repair proposal shall contain the following information:

- (a) Marked-up plans, where appropriate, showing the demarcation of the different types of rectification and repair works to be carried out in accordance with the simplified requirements under the MWCS (specifying the class, type, and item), exempted building works or works requiring prior approval of plans and consent to the commencement of works from the BA
- (b) Method statement for rectification and repair works including details of the proposed methods, materials, specifications and precautionary measures
- (c) Proposal of proof tests
- (d) Supervision proposal, if applicable
- (e) Particulars, qualifications and experience of the RI's representative where the RI is appointed for both building inspection and supervision of building repair works and he designates a person to provide supervision on his behalf in accordance with section 6.4

Whilst the MBIS requires the carrying out of basic repair works to render the building safe, the owners may wish to take this opportunity to carry out other improvement or upgrading works concurrently, including those under the purview of the FS(CP)O or FS(B)O. In such circumstances, the repair works required under the MBIS should be clearly stated in the repair proposal and should be distinguished from the additional improvement or upgrading works.

**Completion Report - Essential Information**

**Cover Page**

The cover page shall contain the following information:

- (a) Building name, address and the lot number
- (b) MBIS notice number
- (c) Name, certificate of registration number and date of expiry of registration of the RI
- (d) Name, certificate of registration number and date of expiry of registration of the RC
- (e) Date of the report

**Rectification and Repair Works**

This section shall contain the following information:

- (a) Summary of all rectification and repair works carried out, accompanied by annotated photos where necessary
- (b) Marked-up plans, where appropriate, showing the demarcation of the different types of rectification and repair works completed in accordance with the simplified requirements under the MWCS (specifying the class, type, and item), exempted building works or works having obtained the prior approval of plans and consent to the commencement of works from the BA
- (c) Photos for each elevation of the building after repair
- (d) Method statement adopted for and records of results of all proof tests
- (e) Certificates and reports of materials used, e.g. glass panes, structural sealant, reinforcement, concrete test cubes, repair mortar, structural steel, drainage pipes, fire doors etc.

- (f) Summary of all rectification and repair works supervised by RI's supervision team, including the date of inspection; items inspected; and inspection results
- (g) A statement confirming that the rectification and repair works have covered the areas subject to outstanding statutory orders for repair or investigation, and the RI has separately notified the corresponding sections of BD that the rectification and repair works required by the statutory orders have been completed
- (h) An account of all revisions to the repair proposal submitted with the Inspection Report

### **Details of Voluntary Removal of UBW**

This section shall contain record of all voluntary removal of UBW accompanied by annotated photos and marked up plans.

- The End -