Code of Practice for Demolition of Buildings 2004

The Buildings Department (BD) 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 Demolition of Buildings 2004 (the Code). Taking into account the advice of the TC, the following amendments to the Code have been promulgated and uploaded to BD website www.bd.gov.hk:

- (a) Appendix A September 2016; and
- (b) Appendix B October 2023.

2. A similar practice note has been issued to authorized persons, registered structural engineers and registered geotechnical engineers.

(YU Po-mei, Clarice) Building Authority

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Appendix A (PNRC 83)

Amendments to the Code of Practice for Demolition of Buildings 2004 (September 2016)

Legends:

Amended

(10/2023)

Major amendments to the Code of Practice for Demolition of Buildings 2004 in September 2016 included:

- (a) incorporating the statutory role of Registered Geotechnical Engineer in building demolition with geotechnical concern and the prevailing building control regime of Minor Works Control System;
- (b) enhancing safety measures to stabilize the critical portions of scaffold system including the catchfan projection under strong wind and typhoon period;
- (c) providing an extra layer of heavy duty net to the scaffold for site safety against the unexpected falling debris from demolition;
- (d) giving additional design guidance to facilitate demolition by use of machinery and demolition of aged buildings designed to LCC design codes; and
- (e) updating the information of the designated waste disposal facilities provided by the Government and the procedures on debris handling.

Amendments to the Code of Practice for Demolition of Buildings 2004 (September 2016)

Item	Clause	Current Version	Amendments	Remarks
1	1.1 Para 3.	However, this Code is not intended to cover unauthorized building	However, this Code is not intended to cover the demolition works	Removal of certain building works
		works and major civil engineering works, such as underpinning,	under the Minor Works Control System (MWCS) (i.e. Type G	including unauthorised building works are
		excavation, highway or railway bridges and dams. As for removal of	category) and major civil engineering works, such as underpinning,	designated minor works items under the
		unauthorized building works, reference should be made to the	excavation, highway or railway bridges and dams. As for execution of	Building (Minor Works) Regulations
		'Guidelines for the Removal of Typical Unauthorized Building Works	the demolition works under the MWCS, reference should be made to	(B(MW)R). Prior approval and consent
		and General Maintenance of External Walls' issued by the Buildings	the 'Technical Guidelines on the Minor Works Control System' issued	procedures are not required under MWCS.
		Department.	by the Buildings Department.	However, the provisions under the
				B(MW)R should be complied with where
				carrying out of minor works are involved
				and the necessary precautionary measures
				are provided.
				The 'Guidelines for the Removal of Typical Unauthorized Building Works and General Maintenance of External Walls' has become obsolete.
	1.1 Para 4.	This Code covers methods commonly used in building demolition. Any other demolition methods may also be used subject to careful consideration and recommendations made by the Authorized Person, Registered Structural Engineer and Registered Specialist Contractor in the Demolition Category (hereinafter referred to "Registered Specialist Contractor (Demolition)"), or their consultants based on well supported scientific research and engineering assessment.	This Code covers methods commonly used in building demolition. Any other demolition methods may also be used subject to careful consideration and recommendations made by the Authorized Person, Registered Structural Engineer, Registered Geotechnical Engineer and Registered Specialist Contractor in the Demolition Category (hereinafter referred to "Registered Specialist Contractor (Demolition)"), or their consultants based on well supported scientific research and engineering assessment. Legend: New/Revised Phrase	Inclusion of the statutory responsibility of Registered Geotechnical Engineer to correspond with the Buildings Ordinance and PNAP APP-21 for demolition of buildings involving slopes, retaining walls and other geotechnical aspects.
2	1.2		"Registered Geotechnical Engineer" means a person whose name is for the time being on the geotechnical engineers' register kept under section 3(3A) of the Buildings Ordinance;	The definition for Registered Geotechnical Engineer has not been provided.
			Legend: New Phrase	

Item	Clause	Current Version	Amendments	Remarks
3	2.1.1 (A)	Prior to the Building Survey, the existing record plan, including layout plan showing adjoining properties, pedestrian walkway, roads and street, etc. shall be retrieved.	Prior to the Building Survey, the existing record plan, including layout plan showing adjoining properties, pedestrian walkway, roads and street, etc. should be retrieved. If record plans are not available, an on-site survey and, if necessary, material testing should be conducted.	There are cases that record plans are not available.
			Legend: New/Revised Phrase	
4	2.1.1 (B) (1)	The construction materials;	The age of building and construction materials, any dilapidation and degree of deterioration on any external building façade facing streets and any structures projecting over streets.	The age of building and degree of deterioration should be incorporated in the scope of building survey.
			Legend: New/Revised Phrase	
5	2.1.2 (B) (1)	The structural materials used;	The age of building and structural materials used;	The age of building should be incorporated in the scope of structural survey.
			Legend: Revised Phrase	
6	2.1.2 (B) (9)	The nature of walls, whether it is blockwall, reinforced concrete walls, load bearing walls or partition walls;	The nature of walls, whether it is blockwall, reinforced concrete walls, load bearing walls, partition walls, screen wall or retaining walls; Legend: Revised Phrase	The nature of walls should include screen wall or retaining walls.
7	3.1	Site safety features shall emphasise protection of the public, particularly, the pedestrian and vehicular traffic and the adjacent properties. Proper safety features shall be designed by the Authorized Person / Registered Structural Engineer to make sure that the demolition can be carried out safely and the site personnel is protected. The Registered Specialist Contractor (Demolition) shall carry out the demolition works including precautionary measures in accordance with the approved plans and other related documents, and provide continuous supervision to the works.	Site safety features should emphasise protection of the public, particularly, the pedestrian and vehicular traffic and the adjacent properties. Proper safety features should be designed by the Authorized Person / Registered Structural Engineer / Registered Geotechnical Engineer to make sure that the demolition can be carried out safely and the site personnel is protected. The Registered Specialist Contractor (Demolition) should carry out the demolition works including precautionary measures in accordance with the approved plans and other related documents, and provide continuous supervision to the works. Legend: Revised Phrase	Inclusion of the statutory responsibility of Registered Geotechnical Engineer to correspond with to the Buildings Ordinance and PNAP APP-21 for demolition of buildings involving slopes, retaining walls and other geotechnical aspects.

Item	Clause	Current Version	Amendments	Remarks
8	3.2 Para. 1	The primary purpose of hoarding and covered walkway is to provide protection of the public during the construction or demolition of buildings. Generally, hoarding isolates the demolition site from the public, thus preventing unauthorized access and trespassing. The covered walkway, in conjunction with catch platform, provides additional protection to the pedestrian traffic against falling debris. The Authorized Person / Registered Structural Engineer shall design them to suit individual site circumstances. Suggested designs for hoarding, covered walkway and catch platform are listed in the following:	The primary purpose of hoarding and covered walkway is to provide protection of the public during the construction or demolition of buildings. Generally, hoarding isolates the demolition site from the public, thus preventing unauthorized access and trespassing. The covered walkway, in conjunction with catch platform, provides additional protection to the pedestrian traffic against falling debris. The Authorized Person / Registered Structural Engineer/ Registered Geotechnical Engineer should design them to suit individual site circumstances. Suggested designs for hoarding, covered walkway and catch platform are listed in the following:	ditto
9	3.3.1 (B)	The requirements of the Code of Practice for Bamboo Scaffolding Safety have to be complied with. In addition, structural ties to the building structure shall be provided in accordance with manufacturer's recommendations. Bamboo scaffold shall be tied to sound anchors at intervals of not more than 4m in both horizontal and vertical directions. If the scaffold is higher than 15m, steel brackets anchored to the existing building structure or other support system shall be provided at interval of not more than 15m to support the scaffold.	The requirements of the Code of practice for Bamboo Scaffolding Safety and Guidelines on the Design and Construction of Bamboo Scaffolds have to be complied with. In addition, structural ties and struts to the building structure should be provided in accordance with manufacturer's recommendation. Bamboo scaffold should be tied to sound anchors at intervals of not more than 4m in both horizontal and vertical directions. Sufficient ties and struts of adequate strength should be provided to secure the cantilevered portion extended above the top most floor. If the scaffold is higher than 15m, steel brackets anchored to the existing building structure or other support system should be provided at interval of not more than 15m to support the scaffold. Legend: New/Revised Phrase	BD's Guidelines on Design and Construction of Bamboo Scaffolds should be included. There are safety concerns on the stability of the unsecured scaffold system under strong wind, in particular those projecting above the top most floor.
10	3.3.1 (D)	Dismantling of the scaffolds shall coincide with the demolition progress. When the wall ties are disconnected due to the demolition of the building structure, the unsecured section of the scaffolds shall be removed accordingly. The unbraced sections shall not be higher than 2m from the nearest anchor.	Dismantling of the scaffolds should coincide with the demolition progress. When the wall ties and struts are disconnected due to the demolition of the building structure, the unsecured section of the scaffolds should be removed accordingly. The unbraced sections should not be higher than 2m from the nearest anchor. Sufficient ties and struts of adequate strength should be provided to secure the cantilevered portion extended above the floor being demolished. Legend: New/Revised Phrase	There are safety concerns on the stability of the unsecured scaffold system under strong wind, in particular those projecting above the floor being demolished.

Item	Clause	Current Version	Amendments	Remarks
11	3.3.2 (C) (1)	 Heavy duty nets shall be relatively light weight and have good retaining capability for small debris. The material shall resist ultra-violet light deterioration. The nets shall be secured to the scaffold and at the catchfan so that debris can be retained and not deflected onto the ground. The net shall meet the minimum requirements as listed in Table 3.3 or approved equivalent. Table 3.3 Minimum Specification for Polyethylene Net 	 Heavy duty nets should be relatively light weight and have good retaining capability for small debris. The material should resist ultra-violet light deterioration. The nets should be secured to the scaffold and at the catchfan so that debris can be retained and not deflected onto the ground. The net should meet the minimum requirements as listed in Table 3.3 or approved equivalent. Table 3.3 Minimum Specification for Polyethylene Net 	The polyethylene net is only adequate for collecting small falling debris from demolition. Bigger concrete fragments due to breaking of external elements with pneumatic breaker or crusher can easily punch through the net and fell off the scaffolds or catchfan.
		Criteria Minimum Requirement	Criteria Minimum Requirement	
		material polyethylene	material polyethylene	
		string diameter 1 mm	string diameter 1 mm	
		plys 16	plys 16	
		mesh grid opening 20 mm	mesh grid opening 20 mm	
		weight 130 g/m ²	weight 130 g/m ²	
			Where appropriate, an additional layer of heavy duty nylon net of minimum 3.5mm diameter with mesh grid opening of 50mm (maximum) additional to the tarpaulin sheet and the polyethylene net may be provided to catch the unexpected falling debris from demolition. Legend: New/Revised Phrase	
12	3 3 2 (D)	Tarnaulin shall be light weight and constructed of fire retardant	Tarpaulin should be light weight and constructed of fire retardant	The material type should be corrected to
12	5.5.2 (D)	materials.	materials.	tally with the material type specified in BS 5867.
		The fire retardant characteristic of the tarpaulin shall meet either one of	The fire retardant characteristic of the tarpaulin should meet either one	
		the following requirements:	of the following requirements:	
		(1) Class B material as specified in British Standard 5867;	(1) Material of Type B performance as specified in British Standard	
		(2) Flame retardant test for certain items, light weight cloths methods,	5867;	
		provided by the Fire Retardant Regulations for Protective Canvas	(2) Flame retardant test for certain items, light weight cloths methods,	
		for Construction, Japan Ministerial Ordinance of the Ministry of	provided by the Fire Retardant Regulations for Protective Canvas	
		Home Affair; or	for Construction, Japan Ministerial Ordinance of the Ministry of	
		(3) Any equivalent standard criteria or testing.	Home Affair; or	

Item	Clause	Current Version	Amendments	Remarks
			(3) Any equivalent standard criteria or testing.	
			Legend: Revised Phrase	
13	3.4.2 Figure 3.3 in page 23	FIGURE 3.3 TYPICAL DETAIL FOR BAMBOO CATCHFAN AND SCREEN COVER	Revised Fig 3.3.pdf (refer to attached revised figure) Legend: New/Revised Phrase	An additional layer of heavy duty nylon net is to be added for additional safety measure, where appropriate, as recommended in Item 11 ¹ above. The catchfan decking arrangement with the metal sheet on top would pose danger under strong wind and typhoon as the metal sheet could easily rip off and blown to the street and causing unnecessary safety hazard to the public. Provision of an additional layer of bamboo with ties on top of the 0.5mm metal sheet is recommended. It is a common practice being adopted by the contractors in the industry to secure the bamboo catchfan supports onto building wall or other structural elements by use of through-bolts besides anchor bolts.
14	3.5.1 (A) Para. 3	On the other hand, temporary supports shall be removed as much as possible and practicable after demolition. In the case when temporary supports have to remain, the Owner, his Authorized Person, Registered Structural Engineer and Registered Specialist Contractor (Demolition) shall be responsible for routine inspection and maintenance of such temporary works until they are completely removed.	On the other hand, temporary supports should be removed as much as possible and practicable after demolition. In the case when temporary supports have to remain, the Owner, his Authorized Person, Registered Structural Engineer, Registered Geotechnical Engineer and Registered Specialist Contractor (Demolition) should be responsible for routine inspection and maintenance of such temporary works until they are completely removed. Legend: Revised Phrase	Inclusion of the statutory responsibility of Registered Geotechnical Engineer to correspond with the Buildings Ordinance and PNAP APP-21 for demolition of buildings involving slopes, retaining walls and other geotechnical aspects.

¹ As there was a typing error in the amendment dated September 2016, the item number had been amended in May 2024.

Item	Clause	Current Version					Amendments						Remarks
15	3.5.1 (C)	Catch platform sha accordance with the 3.2.	ll be prov e requirem	vided on to nents and	op of the oddesign crit	covered walkway in teria as described in	Catch platform shou accordance with the 3.2.	<mark>ld</mark> be prov requirem	vided on to ents and c	op of the c lesign crite	covered wal eria as desc	kway in cribed in	Catch platform should also be provided underneath projecting structures over street.
		Catch platform shall when the area adja element requires p hazard caused by th include, but are no Depending on the d underneath special s prestressed concrete prior to commenc designed to suppo demolition process.	Il also be acent to or protection ne demolit ot limited emolition structures s e elements. ement of rt the an	provided r directly from fall tion. These to, proje process, ca such as ext . Cato demolition ticipated	underneath underneath ing debris e structura ected cano atch platfor ernal archi ch platform on. Catch loading co	a structural elements a the said structural or other potential l elements generally pies and balconies. rms may be required itectural features and n shall be installed platform shall be ondition during the	Catch platform shou when the area adjace element requires pro- hazard caused by the include, but are not particular any project demolition process, special structures succoncrete elements. commencement of consupport the anticipe process. Legend: New,	ld also be cent to or rotection e demolit: limited t cting stru catch p ch as exter Catch pl lemolition ated load	provided u directly u from falli ion. These o, projecte ctures ove latforms r rnal archite latform sh . Catch pl ding cond	underneath inderneath ng debris structural ed canopie r streets. may be re ectural feat hould be atform sho ition duri	structural of the said s or other p elements g s and balco Depending equired un- ures and pro- installed p ould be des ng the de	elements tructural potential generally onies, in g on the derneath estressed prior to igned to molition	
16	3.5.5 Table 3.4	Table 3.4 Proppir Plant of	ig Requiremo n Suspended	ents on the O Floor	peration of N	Iechanical	Table 3.4 Proppin Plant on	g Requireme Suspended	ents on the O Floor	peration of N	Iechanical		For old buildings designed to the prevailing LCC design codes in 1952 with
		Design imposed load of floor to be demolished Maximum weight of mechanical plant allowed Minimum no. of consecutive floors required to distribute mechanical plant loading, through propping Minimum no. of consecutive floors required to distribute localised loading from temporary ramp.	3 kPa 11,600 kg 5 5	5 kPa 11,600 kg 3	7.5 kPa 11,600 kg 2 3	12.5 kPa 11,600 kg 2	Design imposed load of floor to be demolished Maximum weight of mechanical plant allowed Minimum no. of consecutive floors required to distribute mechanical plant loading, through propping Minimum no. of consecutive floors required to distribute localised loading from temporary ramp.	3 kPa 11,600 kg 5	5 kPa 11,600 kg 3	7.5 kPa 11,600 kg 2 3	12.5 kPa 11,600 kg 2		a lower design capacity in permissible material stress, the floor slabs may be overstressed under the proposed propping arrangement. However, 3.5.3(C)(4) has specified that the load capacity of the floor slabs may be increased by distributing the loads through the use of sleepers and base plates.
		through propping Maximum spacing of steel props in each direction	1.2m	1.2m	1.2m	1.2m	temporary ramp, through propping Maximum spacing of steel props in each direction Note: For propping array substantiation has Engineer. Special designed to LCC permissible materia Legend: New	1.2m ngement of to be p attention design c al stress. Phrase	1.2m differs from provided to should bo odes with	1.2m m Table 3 by the Re be paid to a lower	1.2m .4, a full s egistered S the old b design cap	tructural tructural uildings acity in	

Item	Clause	Current Version	Amendments	Remarks
17	3.5.5 (E)	The props shall be braced to provide lateral restraints in at least 2 directions;	The props should be properly braced to provide lateral restraints in at least 2 directions with cross bracings provided at the perimeter and end bays; Legend: New/Revised Phrase	As an enhancement to the lateral stability of the temporary propping system.
18	3.8.7 Para 2	These effects will have to be dealt with specifically in the method statement for implosion. For other mechanical demolition methods, the vibration effect is usually less than some other construction processes, such as percussive piling and blasting. In some cases, the traffic vibration caused by heavy duty tractors are more significant than that caused by mechanical demolition. In order to identify the actual cause and effect of vibration, Registered Specialist Contractors (Demolition) are advised to carry out vibration monitoring during demolition. As a general guideline, the peak particle velocities at any adjoining structure shall not exceed 15mm/sec for prolonged vibration caused by mechanical demolition.	These effects will have to be dealt with specifically in the method statement for implosion. For other mechanical demolition methods, the vibration effect is usually less than some other construction processes, such as percussive piling and blasting. In some cases, the traffic vibration caused by heavy duty tractors are more significant than that caused by mechanical demolition. In order to identify the actual cause and effect of vibration, Registered Specialist Contractors (Demolition) are advised to carry out vibration monitoring during demolition. As a general guideline, the peak particle velocities at any adjoining structure should not exceed 15mm/sec for transient vibration and 7.5mm/sec for prolonged and continuous vibration caused by mechanical demolition.	To tally with the general guidelines on vibration limits given in PNAP APP-137.
19	3.10.1 Para 2	Existing lift shaft, light well and openings on floor may be used to convey debris down the building floors. Areas adjacent to the openings of these features used as a chute shall be barricaded when they are not in use. Warning signs shall be posted to prevent workers from entering the area. As an option, plastic chutes may be used inside the floor openings and lift wells to minimise noise and confine the falling debris.	All chutes should be designed with adequate strength and support to allow safe conveyance of debris. Existing lift shaft, light well and openings on floor may be used to convey debris down the building floors. Areas adjacent to the openings of these features used as a chute should be barricaded when they are not in use. Warning signs should be posted to prevent workers from entering the area. As an option, plastic chutes with adequate strength and support may be used inside the floor openings and lift wells to minimise noise and confine the falling debris. Legend: New/Revised Phrase	To give the performance requirement of the chutes for debris and waste handling.

Item	Clause	Current Version	Amendments	Remarks
20	3.10.2 Para 6	Broken concrete may be disposed of at construction and demolition (C&D) materials recycling facilities for processing into recycled products and aggregates for beneficial reuse. In the event that broken concrete is mixed with some other wastes, broken concrete should be sorted out on site from the mixture of wastes, before disposal at a C&D materials recycling facilities. As regards the way for facilitating the recycling of broken concrete, Authorized Persons / Registered Structural Engineers may seek advice from Civil Engineering and Development Department during the planning stage for demolition. (Web site : http://www.info.gov.hk/cedd/).	Broken concrete may be disposed of at construction and demolition (C&D) materials recycling facilities for processing into recycled products and aggregates for beneficial reuse. In the event that broken concrete is mixed with some other wastes, broken concrete should be sorted out on site from the mixture of wastes, before disposal at a C&D materials recycling facilities. As regards the way for facilitating the recycling of broken concrete, Authorized Persons / Registered Structural Engineers / Registered Geotechnical Engineers may seek advice from Civil Engineering and Development Department during the planning stage for demolition. (Web site : http://www.info.gov.hk/cedd/).	Inclusion of the statutory responsibility of Registered Geotechnical Engineer to correspond with the Buildings Ordinance and PNAP APP-21 for demolition of buildings involving slopes, retaining walls and other geotechnical aspects.
21	3.10.4	In general, the debris accumulation on the floors is not allowed unless the debris accumulation is justified by engineering calculations. Debris shall not accumulate against the hoarding or external wall. Excessive accumulation of debris may cause overloading condition and may induce lateral loading on the walls and shall be avoided. The propping design shall include the debris loading.	In general, the debris accumulation on the floors is not allowed unless the debris accumulation is justified by engineering calculations. Debris shall not accumulate against the hoarding or external wall and on the area behind or on the top of the remaining wall and/or slope. Excessive accumulation of debris may cause overloading condition and may induce lateral loading on the walls and shall be avoided. The propping design shall include the debris loading. Legend: Revised Phrase	To tie in with 5.10.3(D).
22	3.10.5 Para 1	To avoid accumulation of debris and to make sure that they are disposed of promptly, the Authorized Person / Registered Structural Engineer should ensure that a debris disposal and management system is prepared and implemented by the Registered Specialist Contractor (Demolition).	To avoid accumulation of debris and to make sure that they are disposed of promptly, the Authorized Person / Registered Structural Engineer / Registered Geotechnical Engineer should ensure that a debris disposal and management system is prepared and implemented by the Registered Specialist Contractor (Demolition). Legend: Revised Phrase	Inclusion of the statutory responsibility of Registered Geotechnical Engineer to correspond with the Buildings Ordinance and PNAP APP-21 for demolition of buildings involving slopes, retaining walls and other geotechnical aspects.

Item	Clause	Current Version	Amendments	Remarks
23	3.10.7 Para 3	The Registered Specialist Contractor (Demolition) is advised to submit	The Registered Specialist Contractor (Demolition) is advised to submit	ditto
		a waste management plan for the sorting, processing and disposal of	a waste management plan for the sorting, processing and disposal of	
		C&D materials arising from or in connection with the demolition work	C&D materials arising from or in connection with the demolition work	
		to the Authorized Person / Registered Structural Engineer for his	to the Authorized Person / Registered Structural Engineer / Registered	
		approval before the commencement of the works.	Geotechnical Engineer for his approval before the commencement of	
			the works.	
			Legend: Revised Phrase	
24	3.11(A)	Site inspection shall be performed by the Authorized Person or his	Site inspection should be performed by the Authorized Person, the	ditto
		experienced and competent representative, the Registered Structural	Registered Structural Engineer, the Registered Geotechnical Engineer	
		Engineer or his experienced and competent representative and the	or their experienced and competent representatives and the Registered	
		Registered Specialist Contractor (Demolition) at the corresponding	Specialist Contractor (Demolition) at the corresponding frequencies	
		frequencies not less than those specified in the Technical Memorandum	not less than those specified in the Technical Memorandum for	
		for Supervision Plans and the Code of Practice for Site Safety	Supervision Plans and the Code of Practice for Site Safety Supervision	
		Supervision to ensure that the temporary structures, catchfan, catch	to ensure that the temporary structures, catchfan, catch platform and	
		platform and other precautionary safety measures are in good	other precautionary safety measures are in good condition. Any	
		condition. Any movement, damage or distortion to the temporary	movement, damage or distortion to the temporary structures should be	
		structures shall be identified and repaired, if necessary.	identified and repaired, if necessary.	
		The Registered Specialist Contractor (Demolition) shall perform a	The Registered Specialist Contractor (Demolition) should perform a	
		daily inspection to remove any debris accumulated on catchfans and	daily inspection to remove any debris accumulated on catchfans and	
		catch platforms. The contractor's representative shall provide full	catch platforms. The contractor's representative should provide full	
		time continuous site supervision and check the condition of the	time continuous site supervision and check the condition of the	
		demolition work including the unstable and/or partially demolished	demolition work including the unstable and/or partially demolished	
		structures and ensure that they are stable and safe each day before	structures and ensure that they are stable and safe each day before	
		leaving the site.	leaving the site.	
		Regular inspection shall also include preventive and protective	Regular inspection should also include preventive and protective	
		measures adopted to protect the workers' health such as dust	measures adopted to protect the workers' health such as dust	
		suppression measures and personal protective measures	suppression measures and personal protective measures	
		suppression measures and personal protective measures.	suppression measures and personal protective measures.	
		In the case when discrepancies from the Method Statement are	In the case when discrepancies from the Method Statement are	
		discovered during inspection, the inspector shall report to his senior, if	discovered during inspection, the inspector should report to his senior,	
		applicable, and keep the Authorized Person and the Registered	if applicable, and keep the Authorized Person, the Registered	
		Structural Engineer informed of the discrepancies. No further	Structural Engineer and the Registered Geotechnical Engineer	
		demolition shall be carried out until rectification work has been	informed of the discrepancies. No further demolition should be carried	
		completed and written instruction to commence site work is issued by	out until rectification work has been completed and written instruction	

Item	Clause	Current Version	Amendments
		the Authorized Person or the Registered Structural Engineer.	to commence site work is issued by the Authorized Person or Registered Structural Engineer or Registered Geotechnical Engineer Legend: New/Revised Phrase
25	3.11(B)	If any unsafe conditions are present, all demolition activities shall be immediately halted until the unsafe conditions are rectified. All unsafe condition shall be reported to Authorized Person/Registered Structural Engineer for further instruction.	If any unsafe conditions are present, all demolition activities should immediately halted until the unsafe conditions are rectified. All uns condition should be reported to Authorized Person/Register Structural Engineer/Registered Geotechnical Engineer for fur- instruction. Legend: New/Revised Phrase
26	3.12(C)	Supports to adjacent building structures, weather-proofing and stabilisation of exposed party walls shall be completed. A final inspection by the Authorized Person and the Registered Structural Engineer on the supports of adjacent structures shall be conducted to ensure satisfactory and safe conditions before leaving the site. If temporary shoring remains on site, inspection and maintenance as described in 3.11 shall be continued until the temporary shoring is removed or replaced by permanent supports;	Supports to adjacent building structures, weather-proofing stabilisation of exposed party walls should be completed. A f inspection by the Authorized Person, the Registered Struct Engineer and Registered Geotechnical Engineer on the supports adjacent structures should be conducted to ensure satisfactory and s conditions before leaving the site. If temporary shoring remains on s inspection and maintenance as described in 3.11 should be contin until the temporary shoring is removed or replaced by permar supports; Legend: New/Revised Phrase
27	4.3.4 (A) (1)	The in-fill bricks shall first be manually removed. The brick shall be removed from the top layer down by pushing in from outside. Work platforms erected outside the building may be used for this operation; and	The in-fill bricks should first be manually removed following method statement stated in 4.2.4(A)(1); and Legend: New/Revised Phrase

	Remarks
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the	To tie in with the requirement of 4.2.4(A)
	for demolition of brick in-fill wall.

Item	Clause	Current Version	Amendments	Remarks
28	4.3.2			It is a common practice in the industry to
	Figure 4.11	excevator travel limit		make use of the demolished concrete
	in page 66			debris on site to form an access ramp
				wherever required between floors.
			PDF	The access ramp could be made of any
			2	suitable materials, provided that it is
			Revised Fig4.11.pdf	properly designed and safely formed.
		3. An access ramp of steel structural frame to allow machine to climb down to the next floor below.		
		∕ ^{screen}	(refer to attached revised figure)	
		propping		
			Legend: Revised Phrase	
		$ \begin{array}{c} \mathbf{catchfan} \\ \end{array} \end{array} \\ \begin{array}{c} \mathbf{f} \\ \mathbf{f}$		
		4. Demolition of interior column may be needed to create access and working room for exterior		
		wall demolition. Demolish column by first pre -weakening the bottom, then dismatled by machine in fully controlled motion.		
		FIGURE 4.11 TYPICAL SEQUENCE OF TOP DOWN METHOD WITH MECHANICAL EQUIPMENT (SHEET 2 of 3)		
29	5.7.3(B)	After completion of demolition, Soil Contamination Assessment (SCA)	After completion of demolition, Soil Contamination Assessment (SCA)	Inclusion of the statutory responsibility of
		shall be carried out according to the SCA and Clean-up proposal	should be carried out according to the SCA and Clean-up proposal	Registered Geotechnical Engineer to
		agreed by the EPD. In the case when soil contamination is discovered,	agreed by the EPD. In the case when soil contamination is discovered,	correspond with the Buildings Ordinance
		the contaminated soil shall be removed in its entirety and replaced with	the contaminated soil should be removed in its entirety and replaced	and PNAP APP-21 for demolition of
		clean fills. The placement of the fill shall be under the supervision of	with clean fills. The placement of the fill should be under the	buildings involving slopes, retaining walls
		the Authorized Person or Registered Structural Engineer or an	supervision of the Authorized Person or Registered Structural Engineer	and other geotechnical aspects.
		equivalent professional. The disposal of contaminated soil shall be	or Registered Geotechnical Engineer or an equivalent professional. The	
		carried out in strict accordance with the EPD requirements. In-situ	disposal of contaminated soil should be carried out in strict accordance	
		treatment of the contaminant may be applied subject to the approval of	with the EPD requirements. In-situ treatment of the contaminant may	
		the EPD.	be applied subject to the approval of the EPD.	
			Legend: New/Revised Phrase	
30	5.10.1	Demolition of buildings or structures supporting land or slopes: or	Demolition of buildings or structures supporting land or slopes: or	ditto
		buildings or structures sitting on slopes or retaining walls may affect	buildings or structures sitting on slopes or retaining walls may affect	
		the stability of adjacent buildings, structures and land and may even	the stability of adjacent buildings, structures and land and may even	
		create regional slope instability due to removal of toe weight.	create regional slope instability due to removal of toe weight.	

Item	Clause	Current Version	Amendments	Remarks
		Maintaining adequate ground support by backfilling or structural support during demolition work is important. The demolition plan should be properly engineered by a competent and experienced geotechnical engineer.	Maintaining adequate ground support by backfilling or structural support during demolition work is important. The demolition plan should be properly engineered by a Registered Geotechnical Engineer. Legend: Revised Phrase	
31	6.2	For sites involving the demolition of complex structures, such as flat slab, prestressed concrete, transfer plate, hanger, long span beam (greater than 10m), steel framed construction, cantilevered structure with span greater than 1.2m and is over street, buildings which also act as earth-retaining structures supporting adjacent ground etc., a site engineer should be appointed by the Registered Specialist Contractor (Demolition) to oversee the entire process of such demolition works. The site engineer shall be a Registered Professional Engineer in the structural, civil or building discipline or he/she shall comply with the requirements as laid out in the corresponding Practice Note for Authorized Persons and Registered Structural Engineers issued by the Buildings Department from time to time.	For sites involving the demolition of complex structures, such as flat slab, prestressed concrete, transfer plate, hanger, long span beam (greater than 10m), steel framed construction, cantilevered structure with span greater than 1.2m and is over street, buildings which also act as earth-retaining structures supporting adjacent ground with a ground level difference exceeding 1.5m etc., a site engineer should be appointed by the Registered Specialist Contractor (Demolition) to oversee the entire process of such demolition works. The site engineer should be a Registered Professional Engineer in the structural, civil or building discipline or he/she should comply with the requirements as laid out in the corresponding Practice Note for Authorized Persons, Registered Structural Engineers and Registered Geotechnical Engineers issued by the Buildings Department from time to time. Legend: New/Revised Phrase	To tie in with the requirements as specified in Code of Practice for Site Supervision and PNAPs, and inclusion of the statutory responsibility of Registered Geotechnical Engineer to correspond with the Buildings Ordinance and PNAP APP-21 for demolition of buildings involving slopes, retaining walls and other geotechnical aspects
32	Appendix A – 1.10	 Submit Supervision Plan; Submit names and details of Technically Competent Persons; Submit details of operators of powered mechanical plant or equipment proposed to be used; Submit details of the debris disposal and management system; and Submit details of site engineer, if required to be appointed. 	 Submit Supervision Plan; Submit names and details of Technically Competent Persons meeting the requirements specified in Building (Demolition Works) Regulations 8; Submit details of operators of powered mechanical plant or equipment proposed to be used meeting the requirements specified in Building (Demolition Works) Regulations 9; Submit details of the debris disposal and management system; Submit details of site engineer according to 6.2, if required to be appointed. Submit Chinese translation of demolition procedures; and Set up video camera (PNAP APP-21 refers); Legend: New/Revised Phrase 	To tie in with the requirements as specified in Building (Demolition Works) Regulations, Code of Practice for Site Supervision and PNAPs.

Item	Clause	Cu	rrent Version	Am	iendments
33	Appendix A– 2.		All on site precautionary measures and temporary supports for adjacent properties are installed according to the design in the method statement.		All on site precautionary measures and temporary supports adjacent properties are installed according to the design in method statement.
			Removal of hazardous materials, if any, are completed before the demolition. Chemical wastes such as oily sludge from oil tank cleaning, asbestos waste, unwanted toxic chemicals are managed in compliance with the Waste Disposal (Chemical Waste) (General) Regulation and the Waste Disposal Ordinance. All site personnel are fully informed about the specifics of the projects and the necessary precautionary measures to be taken to ensure safety.		Removal of hazardous materials, if any, are completed before demolition. Chemical wastes such as oily sludge from oil ta cleaning, asbestos waste, unwanted toxic chemicals are manag in compliance with the Waste Disposal (Chemical Was (General) Regulation and the Waste Disposal Ordinance. All site personnel are fully informed about the specifics of projects and the necessary precautionary measures to be taken ensure safety.
			Establish emergency access.		Establish emergency access.
			Establish clear and operational line of communication to the supervisor.		Establish clear and operational line of communication to supervisor.
			The demolition to be progressed in conformance with the method statement and/or with the approval of the AP and RSE.		The demolition to be progressed in conformance with the meth statement and/or with the approval of the AP, RSE and/or RGE
			Removal of debris to avoid accumulation, considering the traffic condition and availability of trucks.		Removal of debris to avoid accumulation, considering the trat condition and availability of trucks.
			Control the dust emission in compliance with Air Pollution Control (Construction Dust) Regulation.		Control the dust emission in compliance with Air Pollut Control (Construction Dust) Regulation.
			Adequate supervision by full time competent supervisor on site, periodic visit by representatives of the AP and RSE, and full time supervision by engineer for special structures as required		Adequate supervision by full time competent supervisor on s periodic visit by representatives of the AP, RSE and/or RGE, a full time supervision by engineer for special structures
			Protection of adjoining party wall during the demolition.		required.
			Ensure all workers follow safety procedures and the machines and		Take video to record the entire demolition process (PNAP APP-
			equipment are well maintained.		to be made reference)
			Provide security for the site as appropriate.		Protection of adjoining party wall during the demolition.
			Schedule regular inspection and maintenance of scaffolding, and special inspection before and after typhoon or after fire accident.		Ensure all workers follow safety procedures and the machines a equipment are well maintained.
					Provide security for the site as appropriate.
					Schedule regular inspection and maintenance of scaffolding, a special inspection before and after typhoon or after fire accident
				Leg	gend: New/Revised Phrase

	Remarks
for	Inclusion of the statutory responsibility of
the	RGE to correspond with the Buildings
	Ordinance and PNAP APP-21 for
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Item	Clause	Current Version	Amendments H		Remarks				
34	Appendix D-	Building demolition is subject to the following legislation and	Build	Building demolition is subject to the following legislation and		the	list in vi	ew of	f the
	1.	subsidiary documents administered by the Building Authority:	subsi	diary documents administered by the Building Authority:	introduction	of	regulations,	code	es of
					practices and	PNAF	Ps.		
		(i) The Buildings Ordinance, Laws of Hong Kong Special	(i)	The Buildings Ordinance, Laws of Hong Kong Special					
		Administrative Region, CAP 123;		Administrative Region, CAP 123;					
		(ii) The Building (Administration) Regulations;	(ii)	The Building (Administration) Regulations;					
		(iii) The Building (Construction) Regulations;	(iii)	The Building (Construction) Regulations;					
		(iv) The Building (Demolition Works) Regulations;	(iv)	The Building (Demolition Works) Regulations;					
		(v) The Building (Planning) Regulations;	(v)	The Building (Planning) Regulations;					
		(vi) Code of Practice for Demolition of Buildings;	(vi)	Building (Minor Works) Regulation;					
		(vii) Practice Note for Authorized Persons and Registered Structural	(vii)	Code of Practice for Demolition of Buildings 2004;					
		Engineers 71: Demolition Works - Measures for Public Safety;	<mark>(viii)</mark>	viii) Guidelines on the Design and Construction of Bamboo					
		(viii)Practice Note for Authorized Persons and Registered Structural		Scaffolds;					
		Engineers 75: Hoardings, Covered Walkways and Gantries	(ix)	Code of Practice for Dead and Imposed Loads 2011;					
		(Including Temporary Access for Construction Traffic) - Building	(x)	x) Code of Practice for Site Supervision 2009;					
		(Planning) Regulations Part IX;	(xi)	Practice Note for Authorized Persons, Registered Structural					
		(ix) Practice Note for Authorized Person and Registered Structural		Engineers and Registered Geotechnical Engineers APP-21:					
		Engineers 175: Antiquities and Monuments - Antiquities and		Demolition Works - Measures for Public Safety;					
		Monuments;	(xii)	xii) Practice Note for Authorized Persons, Registered Structural					
		(x) Practice Note for Registered Contractors 4: Hoardings amd		Engineers and Registered Geotechnical Engineers APP-23:					
		Covered Walkways - Building (Planning) Regulations Part IX;		Hoardings, Covered Walkways and Gantries (Including					
		(xi) Practice Note for Registered Contractors 6: Demolition Works -		Temporary Access for Construction Vehicles) - Building					
		Measures for Public Safety; and		(Planning) Regulations Part IX;					
		(xii) Technical Memorandum for Supervision Plans.	(xiii)	Practice Note for Authorized Persons, Registered Structural					
				Engineers and Registered Geotechnical Engineers APP-69:					
				Conservation of Historic Buildings;					
			(xiv)	Practice Note for Authorized Persons, Registered Structural					
				Engineers and Registered Geotechnical Engineers APP-86:					
				Non-load bearing Partition Walls;					
			(xv)	Practice Note for Authorized Persons, Registered Structural					
				Engineers and Registered Geotechnical Engineers					
				APP-96:Registration of General Building Contractors and					
				Specialist Contractors;					
			(xvi)	Practice Note for Authorized Persons, Registered Structural					
				Engineers and Registered Geotechnical Engineers APP-141:					
				Division of Responsibilities between Authorized Person,					
				Registered Structural Engineer and Registered Geotechnical					
				Engineer;					

Item	Clause	Current Version	Amendments
			(xvii) Practice Note for Authorized Persons, Registered Struct
			Engineers and Registered Geotechnical Engineers AD
			Asbestos;
			(xviii) Practice Note for Authorized Persons, Registered Struct
			Engineers and Registered Geotechnical Engineers ADV-
			Construction and Demolition Waste;
			(xix) Practice Note for Registered Contractors 4: Hoardings
			Covered Walkways - Building (Planning) Regulations Part IX
			(xx) Practice Note for Registered Contractors 6: Demolition Work
			Measures for Public Safety;
			(xxi) Practice Note for Registered Contractors 38: Registration
			General Building Contractors and Specialist Contractors;
			(xxii) Technical Memorandum for Supervision Plans 2009;
			(xxiii) General Guidelines on Minor Works Control System; and
			(xxiv) Technical Guidelines on Minor Works Control System.
			Legend: New/Revised Phrase
35	Appendix E–	A Demolition Plan together with a Stability Report including	A Demolition Plan together with a Stability Report include
	4.	calculations shall be submitted to the Buildings Department for	calculations should be submitted to the Buildings Department
		approval. Upon approval of the Demolition Plan, the Authorized	approval. Upon approval of the Demolition Plan, the Authori
		Person shall submit a specified form applying for consent for	Person should submit a specified form applying for consent
		demolition, together with	demolition, together with
		(i) a site safety supervision plan;	(i) a site safety supervision plan;
		(ii) the names of Technically Competent Persons and their	(ii) the names of Technically Competent Persons and the
		particulars;	particulars meeting the requirements specified in Build
		(iii) the details of operators of powered mechanical plant or	(Demolition Works) Regulations 8;
		equipment proposed to be used;	(iii) the details of operators of powered mechanical plant
		(iv) the details of the debris disposal and management system; and	equipment proposed to be used meeting the requirement
		(v) the details of site engineer, if required to be appointed.	specified in Building (Demolition Works) Regulations 9;
			(iv) the details of the debris disposal and management system; ar
		and the Buildings Department will consider issuance of the consent for	(v) the details of site engineer according to 6.2 , if required to
		the Demolition Work	appointed.
			and the Buildings Department will consider issuance of the consent
			the Demolition Work
			Legend: New/Revised Phrase

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Item	Clause	Current Version	Amendments	Remarks
36	Appendix E-	the contact telephone number of:	the contact telephone number of:	Inclusion of the statutory responsibility of
	6.(E)	- the Authorized Person;	- the Authorized Person;	RGE to correspond with the Buildings
		- the Registered Structural Engineer;	- the Registered Structural Engineer;	Ordinance and PNAP APP-21 for
		- the Registered Specialist Contractor (Demolition) or the person	- the Registered Geotechnical Engineer;	demolition of buildings involving slopes,
		appointed to act for the contractor for the purposes of the	- the Registered Specialist Contractor (Demolition) or the person	retaining walls and other geotechnical
		Buildings Ordinance; and	appointed to act for the contractor for the purposes of the	aspects.
		- the Technically Competent Person in charge of the demolition	Buildings Ordinance; and	
		site.	- the Technically Competent Person in charge of the demolition	
			site.	
			Legend: New/Revised Phrase	
27	A 1' D			
37	Appendix E-	The disposal requirements of construction and demolition waste at	The disposal requirements of construction and demolition waste at	The Designated Waste Disposal Facilities
	10.	various landfills are listed in the following :	designated waste disposal facilities provided by the Government and	and its opening hours and related
			the details of the designated waste disposal facilities could be obtained	requirements are regularly updated by
		waste Disposal Facilities provided by Government:-	from Civil Engineering and Development Department's web site at	CEDD.
		Construction and domalition (C&D) waste with a small amount of inert	nup.//www.cedd.gov.nk.	
		Construction and demonstron (C&D) waste with a small amount of mert material not exceeding 20% by weight		
		South-East New Territories 0800 – 2300		
		Wan Po Road, Tseung Kwan O Enquiry - 2706 8888 Holiday		
		North-East New Territories 0800 – 1800 Landfill		
		Wo Keng Shan Road, Ta Kwu including Sunday & Public Ling Holiday	Legend: New/Revised Phrase	
		Enquiry - 2674 6505 West New Territories Landfill Uwe Kwin Ten Bood Tyon Mun including Sundary & Dublic		
		Enquiry - 2472 4382 Holiday		
38	Appendix G	5. Debris handling	5. Debris handling	To tie in with 3.10.4 and also it may not be
	Figure G.5 in	5.1 The stee1 sheds shall be dismantled. All trash, furniture,	5.1 The stee1 sheds should be dismantled. All trash, furniture,	practical to set a maximum height of
	page G15	timber, door framed, windows shall be removed from the	timber, door frames, windows should be removed from the	100mm for temporary storage of debris on
		building. Any salvageable items shall be sorted and removed	building. Any salvageable items should be sorted and removed	the floors.
		separately,	separately,	
		5.2 Debris shall be conveyed to the ground floor through the lift	5.2 Debris should be conveyed to the ground floor through the lift	
		shafts between grid lines G & H. The areas near the lift	shafts between grid lines G & H. The areas near the lift	
		entrance shall be barricaded. Approximately 175 cu. m of	entrance should be barricaded. Approximately 175 cu. m of	
		building debris would be generated from the demolition of each	building debris would be generated from the demolition of each	
		floor. Clearing and transportation of debris shall be arranged to	floor. Clearing and transportation of debris should be arranged	
		ensure the following conditions are maintained at all time :	to ensure the following conditions are maintained at all time :	

Item	Clause	Current Version	Amendments	Remarks
		(A) Accumulation of debris in the lift shafts shall not exceed	(A) Accumulation of debris in the lift shafts should not exceed	
		1m high,	1m high,	
		(B) Temporary storage on the floors shall not exceed 100 mm	(B) Debris accumulation on the floors should not be allowed	
		above the floors,	unless justified by structural calculations,	
		(C) Debris accumulation on the ground floor shall not exceed 1	(C) Debris accumulation on the ground floor should not exceed	
		m above the ground floor slab,	1 m above the ground floor slab,	
		(D) No debris shall be accumulated on the cantilevered	(D) No debris should be accumulated on the cantilevered	
		structures.	structures.	
		5.3 Details of debris disposal and management system shall be	5.3 Details of debris disposal and management system should be	
		submitted to BD prior to consent application as per the	submitted to BD.	
		requirements in PNAP 268.		
			Legend: Revised Phrase	
39	Appendix H			Inclusion of the statutory responsibility of
	Figure H.1 in	Appendix H		Registered Geotechnical Engineer to
	Page H1	Current Demolition Procedure		correspond with the Buildings Ordinance
		Bernovel of Grganize twettag Bernovel of Grganize twettag		and PNAP APP-21 for demolition of
		Accuration are a second and a s		buildings involving slopes, retaining walls
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Appendix H





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Appendix B (PNRC 83)

Amendments to the Code of Practice for Demolition of Buildings 2004 (October 2023)



(10/2023)

Major amendments to the Code of Practice for Demolition of Buildings 2004 in October 2023 included:

- (a) Table 3.4 addition of propping requirement for light-weight mechanical plant of maximum 5,800 kg;
- (b) clause 3.8.1 corresponding amendment due to the establishment of the Hong Kong Institute of Construction;
- (c) clause 3.8.8 additional clause on the provision of precautionary measures at the interface between two adjacent demolition/construction sites;
- (d) clause 3.8.9 additional clause to enhance the safety precautionary measures for floor openings and free edges at buildings and structures;
- (e) clause 3.8.10 additional clause to enhance the control on conveying debris through floor openings;
- (f) clause 3.10.7 clarification on the requirements of disposal of construction and demolition (C&D) material;
- (g) clauses 4.2.4(C)(1), 4.2.4(C)(3) and Figure 4.5 revision of the requirements on method and procedures for the demolition of exterior column;
- (h) clause 6(D) of Appendix E clarification on personal information in Form BA20 to be posted close to the front entrance of the site; and
- (i) Appendix F, Figure F.4 (sheet 2 of 4, sheet 3 of 4 and sheet 4 of 4), Figure F.5 (sheet 2 of 4), and Appendix G, Figure G.4 (sheet 1 of 5, sheet 2 of 5, sheet 3 of 5 and sheet 4 of 5) and Figure G.5 (sheet 3 of 5) clarification that the provision of temporary platforms is required unless the cantilevered structures are demolished by cut and lift or other similar techniques as stated in Clause 3.5.1(B).

Amendments to the Code of Practice for Demolition of Buildings 2004 (October 2023)

Item	Current version			Amendments						
1. Table 3.4	ble 3.4 Table 3.4 Propping Requirements on the Operation of Mechanical Plant on Suspended Floor			Table 3.4 Proppin Plant o	ng Requir n Suspend	rements on led Floor	the Operation	on of Mecha	nical	
	Design imposed load of floor to be demolished 3 kPa 5 Maximum weight of	5 kPa 7.5 kPa	12.5 kPa	Design imposed load of floor to be demolished	1.5 kPa	3 kPa	5 kPa	7.5 kPa	12.5 kPa	
	mechanical plant 11,600 kg 1 allowed	11,600 kg 11,600 kg	11,600 kg	Maximum weight of mechanical plant	5,800 kg	11,600 kg	11,600 kg	11,600 kg	11,600 kg	
	Minimum no. of consecutive floors required to distribute mechanical plant loading, through propping	3 2	2	Allowed Minimum no. of consecutive floors required to distribute mechanical plant loading, through propping	5	5	3	2	2	
	Amminum no. or consecutive floors required to distribute localised loading from temporary ramp, through propping	4 3	2	Minimum no. of consecutive floors required to distribute localised loading from temporary ramp, through propping	5	5	4	3	2	
	Maximum spacing of steel props in each 1.2m 1 direction	1.2m 1.2m	1.2m	Maximum spacing of steel props in each direction	1.5m	1.2m	1.2m	1.2m	1.2m	
2. 1^{st}	3.8.1 Training and Communicat	tion		3.8.1 Training a	and Co	mmuni	cation			
paragraph of Clause 3.8.1	h e Demolition workers, including plant or equipment operators, shall go through proper job safety training and be informed of the potential hazards by attending training sessions as well as on-the-job training. At present, the Construction Industry Training Authority has organised relevant training courses for site supervisors/foremen and plant or equipment operators.			Demolition work go through prop potential hazard on-the-job train Construction (p Training Author site supervisors/	kers, ind per job ds by ing. A previous rity) ha foreme	cluding) safety attendir t prese sly know s organ n and pl	plant or e training ng traini nt, the wn as the ised rele ant or eq	equipmen and be ng sessi Hong Ka e Const vant trai uipment	at operator informed ons as w ong Instit ruction Ir ning cour operators	s, shall of the vell as tute of ndustry ses for

Iten	n	Current version	Amendments
3. Clau	ise 3.8.8		3.8.8 Provision of Precautionary Measures at the Interface Between Two Adjacent Demolition/Construction Sites
			The Authorized Person/Registered Structural Engineer shall design the precautionary measures for a demolition site to suit the site circumstances, in particular when the adjoining building(s) is/are under demolition or construction. The Authorized Person/ Registered Structural Engineer shall coordinate with Authorized Person/Registered Structural Engineer of the adjoining site(s) to provide adequate precautionary measures to protect persons and properties of the public and site personnel. The design of the precautionary measures shall be reviewed to cater for the changes in site circumstances. Corresponding amendment plans for demolition shall be submitted to the Buildings Department for approval if necessary. The Registered Specialist Contractor (Demolition) of the demolition site shall co-ordinate with the contractors of adjacent demolition/construction sites to ensure adequate precautionary measures have been provided at different stages of demolition or construction works.
4. <mark>Clau</mark>	ise 3.8.9		3.8.9 Safety Precautionary Measures for Floor Openings and Free Edges at Buildings and Structures
			As stated in 3.10.1, areas adjacent to the openings shall be barricaded when they are not in use and warning signs shall be posted to prevent workers from entering the areas.
			Covers to all floor openings shall be constructed with solid material of sufficient strength and securely fixed in position to prevent fall of persons, materials and article. All covers to all floor openings shall be clearly and boldly marked to show their purpose.

Item	Current version	Amendments
		Rigid and secure railings shall be erected around the floor openings and at the free edges of a building or structure. They shall be in accordance with the Construction Sites (Safety) Regulations, include but not be limited to the following –
		 (a) top railing at a height of 900mm to 1150mm; (b) intermediate railing at a height of 450mm to 600mm; (c) toe board of 200mm high above the floor surface where no permanent upstand exists; and (d) brightly coloured safety meshes mounted on the top railings and down to the toe boards.
		For floor openings with considerable risks or safety concerns of falling persons or objects, but provision of cover to the opening is impracticable, safety nets of suitable size and sufficient strength shall be provided to cover the floor openings. The safety nets shall be clear of any debris.
		Where the erection of railings or provision of covers to prevent fall from a floor opening or a free edge is considered impracticable, the Registered Specialist Contractor (Demolition) shall provide suitable fall arrest system to workers with reference to the "Guidance Notes on Classification and Use of Safety Belts and their Anchorage Systems" published by the Labour Department.
		The Registered Specialist Contractor (Demolition) shall develop and implement an effective and safe system of work to ensure that the above safety measures are properly implemented and maintained.

5. Clause	3.8.10 Control on Conveying Debris through Floor
<mark>3.8.10</mark>	Openings
	As stated in 3.10.1 and 3.10.4, all chutes shall be designed with adequate strength and support to allow safe conveyance of debris. Debris shall only be conveyed through floor openings with suitable chutes, full enclosures or shafts.
	Debris generated in the works shall be regularly removed to prevent excessive stockpiling that could –
	 (a) affect the integrity of the building or structure; (b) affect the access to and egress from the workplaces; (c) result in a risk of fire; or (d) cause health and safety hazards.
	The Registered Specialist Contractor (Demolition) shall define designated areas for conveying debris through floor openings with chute, full enclosure or shaft for acceptance by the Authorized Person/Registered Structural Engineer. The designated areas shall have an enclosed structure to contain the falling debris where the hazard of workers or the public being struck by falling objects/rebounding debris is eliminated. The designated areas shall be clearly identified, and fenced off or barricaded to prevent unauthorised entry. Overhead conveyance of debris through designated areas shall be suspended during removal of debris therein. All site personnel involved shall be unequivocally informed of the suspension of overhead conveyance of debris through the designated areas. Warning notice shall be posted at all entry points of the designated areas to warn site personnel of the potential hazards.
	The Registered Specialist Contractor (Demolition) shall ensure that all chutes, full enclosures or shafts installed at the floor openings –

Item	Current version	Amendments
		 (a) shall be of adequate strength and securely fixed and supported to allow safe and free falling of debris therein; (b) shall be fully enclosed at every entry point to prevent a person from falling therein; (c) shall be adequately secured having regard to the weight of the chute, full enclosure or shaft and the weight of possible accumulated load therein; (d) shall prevent escape of materials and dust; and (e) shall be able to minimise the noise while debris is passing through. Where the compliance of any provisions above are considered impracticable, the Registered Specialist Contractor (Demolition) shall submit an alternative proposal for conveying debris through floor openings, with due consideration and mitigation of hazards including, but not limited to falling from height and struck by falling objects, for acceptance by the Authorized Person/Registered Structural Engineer before the commencement of conveying debris through floor openings.
6. 1 st paragraph of Clause 3.10.7	Waste Management On-site sorting of surplus construction and demolition (C&D) material is strongly recommended so that inert material can be disposed of at public filling areas as far as practicable, and the remaining C&D waste disposed of at landfills	Waste Management Construction and demolition (C&D) material shall be disposed of in compliance with the Waste Disposal Ordinance. On-site sorting of surplus C&D material is strongly recommended so that inert material can be disposed of at public filling areas as far as practicable, and the remaining C&D waste disposed of at landfills

	Item	Current version	Amendments
7.	Clauses	(C) Exterior Column	(C) Exterior Column
	4.2.4 (C)(1)		
	and (C)(3)	Exterior column may be demolished by the following	Exterior column may be demolished by the following
		procedures and as illustrated in Figure 4.5.	procedures and as illustrated in Figure 4.5.
		 The top of the column shall first be secured to a structural member by wire and winch; 	(1) The top and bottom of the column shall first be tied to a structural member by wires and winches;
		(2); and	(2); and
		(3) After pre-weakening, the column shall be pulled down by the wire and winch towards the interior in a controlled manner.	(3) After pre-weakening, the column shall be pulled down by the wires and winches towards the interior in a controlled manner.

Item	Current version	Amendments
8. Figure 4.5	 A sector version Sector versin Sector versin<th>STEPS: 1. The column by wire & winches to crusting structure or excavator arm to control the movement direction of column. 2. Pre - weakening at the bottom of column. 3. Pulling down the column. in a controlled motion. 3. Pulling down the column in a controlled motion.</th>	STEPS: 1. The column by wire & winches to crusting structure or excavator arm to control the movement direction of column. 2. Pre - weakening at the bottom of column. 3. Pulling down the column. in a controlled motion. 3. Pulling down the column in a controlled motion.
9. Clause 6 (D) of Appendix E	 Posting of Information (D) Form BA20 informing the Technically Competent Person in charge of the demolition work; and 	 Posting of Information (D) Form BA20 informing the Technically Competent Person in charge of the demolition work. Part of the Hong Kong identity card number (HKID) on Form BA20 can be redacted, i.e. only the alphabet(s) and the first three digits of HKID to be disclosed for posting on site; and

	Item Current version	Amendments
10. Appendix F Figure F.4 (sheet 2 of 4) (sheet 2 of 4) (sheet 2 of 4) (sheet 2 of 4)	Item Current version 10. Appendix F Figure F.4 (sheet 2 of 4)	Amendments temporary platform (See Note) catchfan steel bracket and anchors for supporting the scatfolds in more than 15m (double row with working platforms) tarpaulin tarpaulin Note: Provision of temporary platform is required unless the cantilevered structures are demolished by cut and lift, or other similar techniques as stated in paragraph 3.5.1(B).









Item	Current version	Amendments
Item Appendix G Figure G.4 (sheet 2 of 5)	Current version	Amendments sequence 5.1(ii) demolition of cantilevered roof slab sequence 5.1(iii) demolition in part of roof temporary platform (See Note) scaffolding (double row with working platforms) tarpaulin & net
		Note: Provision of temporary platform is required unless the cantilevered structures are demolished by cut and lift, or other similar techniques as stated in paragraph 3.5.1(B).

