

# Buildings Department

# 屋宇署

## Building Control on Demolition Works

## 拆卸工程的規管

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# What is Demolition?

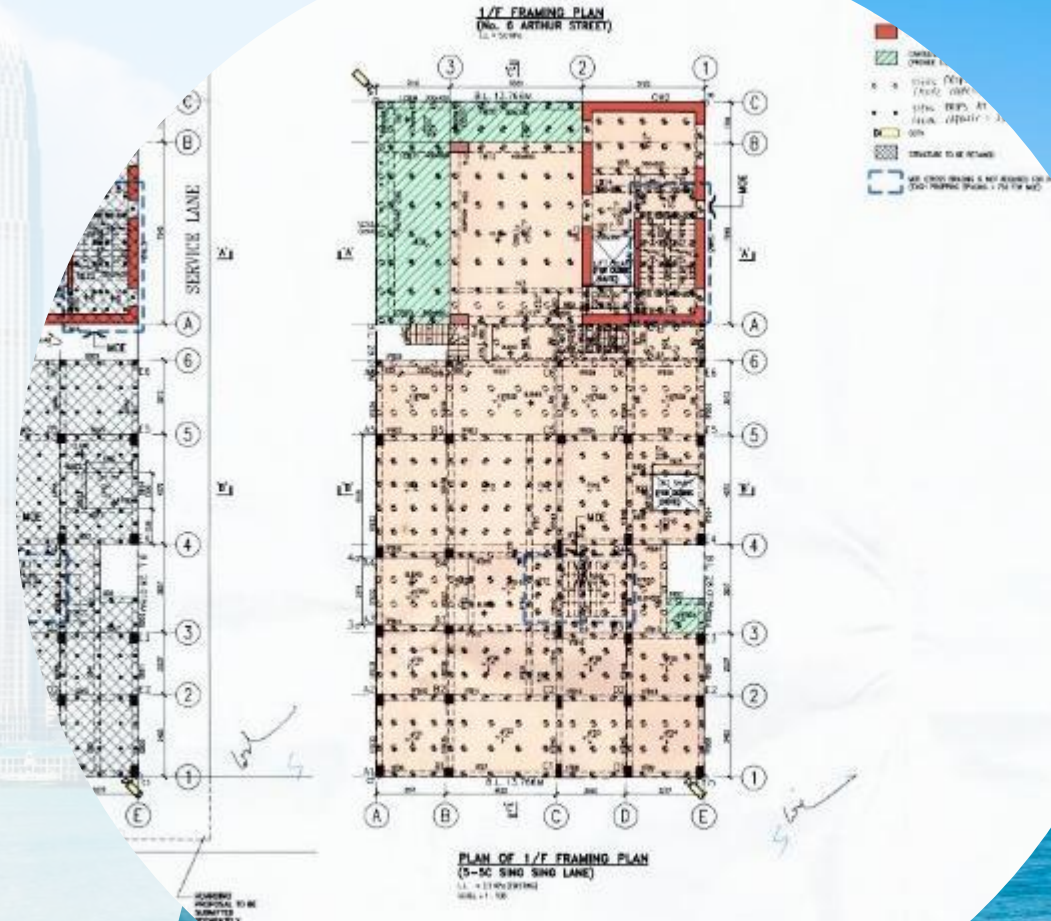
- ▶ A kind of building works as defined under section 2(1) of the Buildings Ordinance (Cap.123). (第123章 《建築物條例》 2(1)釋義:拆卸工程屬於建築工程的一種)
- ▶ Dismantling, razing, destroying or wrecking any building or structure or any part thereof by pre-planned and controlled methods. (使用預先規劃而又受到控制的方法拆卸、拆毀、摧毀或破壞任何建築物或構築物或其任何部分)





# Statutory Requirements

## 法定要求



# Major Legislations and Associated Documents

## (主要相關法例及文件)

1. Buildings Ordinance (Cap.123) (第123章 《建築物條例》 )
2. Building (Administration) Regulations (Cap.123A) (第123A章 《建築物(管理)規例》 )
3. Building (Demolition Works) Regulations (Cap.123C) 第123C章 (《建築物(拆卸工程)規例》 )
4. Code of Practice for Demolition of Buildings YEAR 2004 (建築物拆卸作業守則 2004年)
5. PNAP APP-21: Demolition Works – Measures for Public Safety  
(PNAP APP-21:拆卸工程- 保障公眾安全的措施)
6. PNAP APP-23: Hoardings, Covered Walkways and Gantries (Including Temporary Access for Construction Vehicles)- Part IX of Building (Planning) Regulations  
(PNAP APP-23:圍板、有蓋人行道及門架(包括工程車輛的臨時通道) 《建築物(規劃)規例》 IX部)
7. PNRC 4: Hoardings and Covered Walkways – Building (Planning) Regulations Part IX  
(PNRC 4:圍板及有蓋人行道 《建築物(規劃)規例》 IX部 )
8. PNRC 6: Demolition Works – Measures for Public Safety  
(PNRC 6:拆卸工程- 確保公眾安全的措施)
9. Code of Practice for Site Supervision 2009 (地盤監督作業守則2009)
10. Technical Memorandum for Supervision Plans 2009 (監工計劃書的技術備忘錄2009)

# Statutory Requirements (法定要求)



## ► Buildings Ordinance (Cap.123) [BO]

### 第123章 《建築物條例》

- BO s.4: Appointment of Authorized Person (AP)(認可人士), Registered Structural Engineer (RSE)(註冊結構工程師), Registered Geotechnical Engineer (RGE)(註冊岩土工程師)
- BO s.9: Appointment of Registered Specialist Contractor (Demolition) (RSC(D)) (註冊專門承建商)
- BO s14: Approval and Consent (批准及同意) for Demolition Works



# Statutory Requirements (法定要求)

## ▶ Building (Administration) Regulations (Cap.123A) [B(A)R] 第123A章 《建築物(管理)規例》

- B(A)R 8(3): Requirement of the Demolition Plan (e.g. construction & condition of building (拆卸建築物的結構及狀況), sequence (次序), equipment & procedures (裝備及程序) for demolition, precautionary measures (預防措施), etc.)
- B(A)R 8(4): Submission of supporting documents (e.g. stability report (穩定性報告), structural calculations (結構計算資料).... etc.)
- B(A)R 31: Submission of personal particulars (個人詳情), qualifications (資格) and experience (經驗) of the operator of mechanical plant/equipment.



# Statutory Requirements (法定要求)



## ► Building (Demolition Works) Regulations (Cap.123C) [B(DW)R] 第123C章 《建築物(拆卸工程)規例》

- B(DW)R 2: Apply to Demolition of a building or of any substantial or significant part of a building (適用於建築物的拆卸或建築物任何頗大部分或重要部分的拆卸)
- B(DW)R 3: Duties of AP and RSC(D) prior to commencement of demolition (認可人士及註冊專門承建商在拆卸展開前的職責)
- B(DW)R 4-7 & 10-12: General requirements to demolition works (e.g. demolition sequence (次序), precautionary works (預防措施), etc.)
- B(DW)R 8-9: Supervision of demolition works by TCP (拆卸工程須在適任技術人員的監督下進行)
- B(DW)R 13: Offences and Penalties (罪行及罰則)





# Code of Practice(守則)

## ▶ Code of Practice for Demolition of Buildings(建築物拆卸作業守則)

Outlining good practices for the planning and implementation of demolition works (不同類型建築物策劃和實施拆卸工程時的良好做法)

In order to minimize the risks of:

- Causing damage to person and properties of the public; (對公眾人士和財產造成的損害)
- Endangering the health and safety of site personnel (對地盤人員的健康和安全構成的危險); and
- Damaging the neighborhood environment. (對鄰近環境的損害)



# Code of Practice (作業備考) and Technical Memorandum (技術備忘錄)



## ▶ **Technical Memorandum for Supervision Plans 2009 (2009年監工計劃書的技術備忘錄)**

The Technical Memorandum for Supervision Plans sets out the principles, requirements and operation of supervision plans. (《監工計劃書的技術備忘錄》訂明監工計劃書的原則、要求和運作)

## ▶ **Code of Practice for Site Supervision 2009 (2009年地盤監督作業守則)**

The Code of Practice for Site Supervision provides detailed guidance to practitioners on the application of the Technical Memorandum for Supervision Plans in the preparation of supervision plans and in adoption of good practice for site supervision.

(《地盤監督作業守則》就《技術備忘錄》的應用向業內人士提供詳細的指引，以便他們編寫監工計劃書及妥善地執行地盤監督的工作。)

# Practice Notes(作業備考)

## ▶ Practice Notes APP-21

- Setting out the procedures in meeting the statutory requirements (法定要求) for safety demolition (拆卸工程的安全)
- PNRC 6 (註冊承建商作業備考 6) is relevant.

## ▶ Practice Notes APP-23

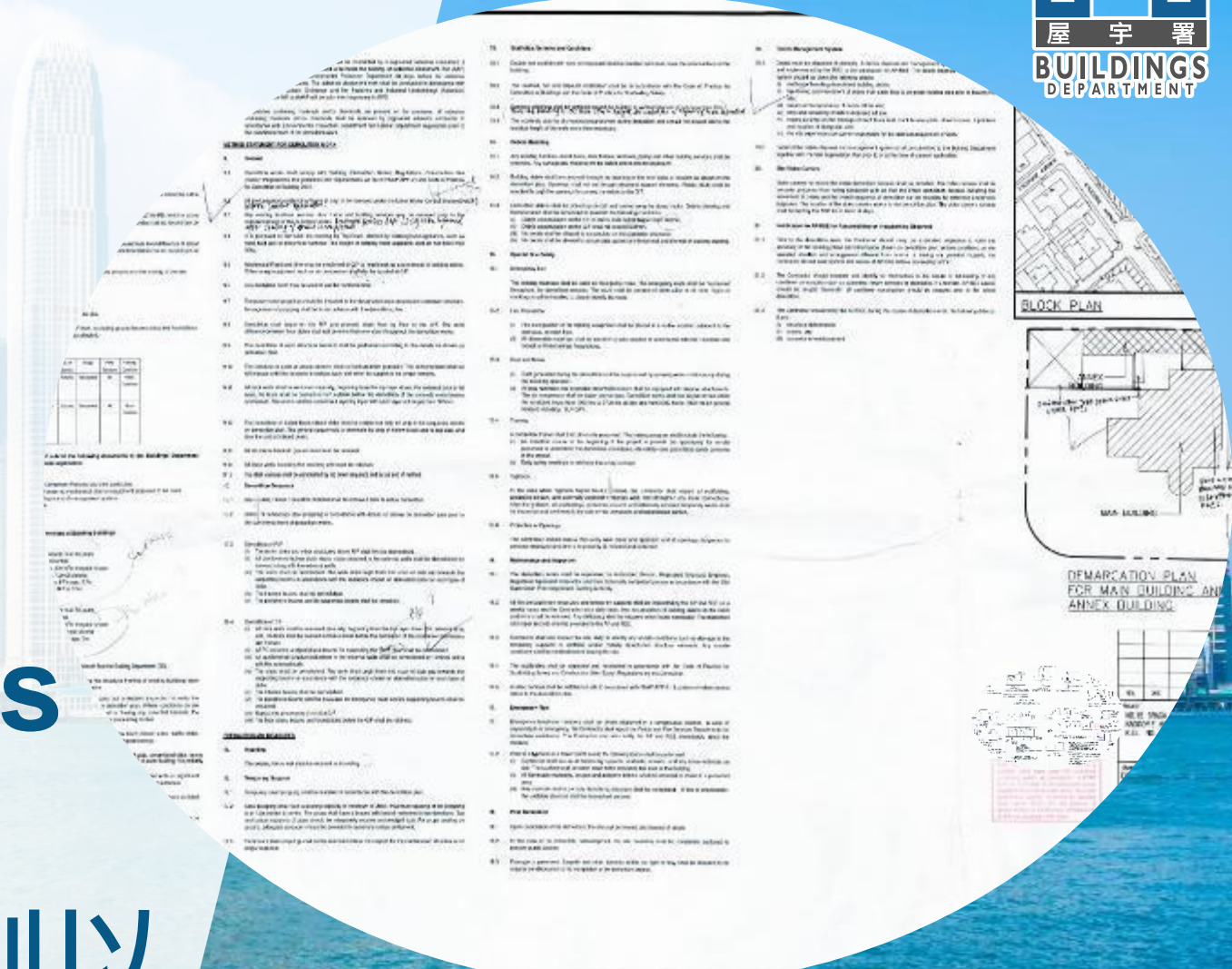
- Setting out the guidelines on submission of Hoarding Plans (圍板圖則) and application / renewal of Hoarding Permit (圍板許可證)
- PNRC 4 (註冊承建商作業備考 4) is relevant.





# Submission of Demolition Plans for Approval

## 呈交拆卸工程圖則以獲得批准



# What to be Included in the Demolition Plans Submission?

- 1 Form BA 4 and BA 5
- 2 Demolition Plans (拆卸工程圖則)
- 3 Stability Report with Calculations (穩定性報告，其內載有計算資料)
- 4 Hoarding Proposal (圍板計劃) (can be submitted separately) (可以另外呈交)



# What to be Included in Demolition Plans ?

## 1 Fundamental Issues of Demolition Plans

### *(Appendix D of PNAP ADM-19)*

- Precautionary measures(預防措施) particularly the hoarding, covered walkways (圍板、有蓋人行道)and any necessary propping and shoring (支撐物)
- The codes (守則) and standards (標準) proposed to be adopted
- Appraisal(評估)of the building to be demolished, method statement(方法陳述書), sequence (程序) of demolition and the safe use of any powered mechanical plant (機器)
- Stability of the framing system (結構穩定性) during demolition and of any remaining structures after demolition
- Effects on all affected buildings, slopes structures(山坡結構), lands and services and the provision of supports and protection, if necessary



# What to be Included in Demolition Plans ?

2

*Appendix B of CoP for  
Demolition of Buildings*

*Demolition Plan Checklist*

*(附錄 B 拆卸工程圖則核對表)*

# Demolition Plans Checklist

## (拆卸工程圖則核對表)

### APPENDIX B

#### DEMOLITION PLAN CHECKLIST

All the information and data collected during the pre-demolition survey shall be used as input for choosing the method for the demolition project. Although the demolition method shall be efficient and cost effective, however, in developing the Demolition Plan, the author shall always have public safety and site safety in mind. Each project has its unique features and conditions. Demolition Plan shall be customised to meet the conditions of the individual project. One of the purposes of the Demolition Plan is to provide instructions and guidelines for the on site personnel to follow so that the works can be performed safely and effectively. Therefore, when developing the Demolition Plan, it has to bear in mind that the Demolition Plan shall be straight forward, easy to follow and understood by personnel at various levels of education. Typically, the Demolition Plan shall include, but not be limited to, the following information:

#### 1. Location Plan

A scaled plan showing the following information:

- The scale of the plan shall be in according to B(A)R13.
- Location of the project building with respect to lot boundary, adjacent footpath and traffic way.
- Location and relative heights of existing utilities, adjoining buildings and properties and their use.
- The plan shall be fully dimensioned with elevations shown.

#### 2. Existing Building Information

The Plan showing the project building and site conditions shall include the following:

- An assessment on the conditions of the building, site and adjacent properties including their historical and existing use and traffic conditions of the abutting roads.

### 附錄 B

#### 拆卸圖則核對表

所有在拆卸前調查期間收集的資料和數據，必須用作選擇拆卸工程方法的根據。雖然拆卸方法必須是有效而且是低成本高效益的，但編製者在編製拆卸圖則時，必須考慮到公眾安全和地盤安全。各項工程都有其獨特的特點和情況，編製的拆卸圖則，必須適應各項工程的具體情況。拆卸圖則的用途之一，是向現場工作人員提供指示和指引，以便他們遵守，從而使工程安全有效地進行。因此在編寫拆卸圖則，必須謹記：說明應簡單明確、易於遵守，而不同教育程度的人員均能理解。一般來說，拆卸圖則必須包括但不限於下述資料：

#### 1. 位置圖

按比例的圖則應載有以下資料：

- 圖則的比例按建築物（管理）條例第十三條。
- 工程建築物的位置和有關地段邊界、相鄰人行道和交通路線的資料。
- 現有公用事業設施、鄰近建築物和物業的位置和相對高度以及其用途。
- 圖則必須標明完整尺寸，並顯示立視圖。

#### 2. 原有建築物資料

拆卸圖則顯示工程建築物和地盤的情況必須包括以下內容：

- 建築物、地盤及鄰近物業情況的評估，包括其歷史和現有用途以及緊接道路的交通情況。
- 任何需要保護而在拆卸計劃期間可能誘發危險的特殊構築物，包括環境或歷史文物、鄰近保護斜坡的構築物、天橋和行人天橋等特殊構築物以及架空電纜等現有公用事業設施。
- 如果存在著危險物質及／或化學藥物，須安排其清除／處置工作。



# Demolition Plans Checklist

## (拆卸工程圖則核對表)

### Appendix B Demolition Plan Checklist

- Any features that need protection and may induce hazard during the demolition program such as environmental or historical features, adjacent slope protective features, special features such as flyover and footbridges and existing utilities such as overhead cables etc.
- Proposed arrangement for the removal/disposal of hazardous materials and/or chemical wastes if they are present.

### 3. The Layout of the Building, including Sections, and Existing Structural Information

A structural plan shall include the following:

- The overall height of the building, the ceiling height of the floors, dimensions and depth of the basements, if any.
- Structural plans and sections, details and layouts of the structural supports and the construction materials, if available.
- Structural evaluation of the adjacent buildings and shared features such as party wall, staircases and common supporting structures.
- Information on any special structures that require special attention, such as cantilevered structures, prestressed concrete, precast concrete, steel composite structures, cladding walls, stressed skin structures, hanging structures etc.

### 4. Demolition Procedure and Sequence of Operation

The Plan showing the proposed method used to demolish the structure shall include the following:

- Descriptions of the equipment to be used.
- Specific guidelines on the limitations of the machine's operation such as travel area, specific distance from the building line and any area with inadequate support or limited headroom.
- The sequence and proposed procedures for the demolition.
- Detail instructions for demolishing special features and critical areas that may impact on the general safety of the public and on site personnel.
- Specific precautionary steps for identifying these features.

### 附錄 B 拆卸圖則核對表

### 3. 建築物的布局，包括截面圖及現有結構資料

結構圖則必須包括以下內容：

- 建築物的整個高度、樓層的天花板高度以及可能存在的地庫尺寸和深度。
- 顯示結構支撐及建築材料的結構平面圖、截面圖、詳圖和布局。
- 鄰近建築物、共用牆和樓梯等共用結構及共用支撐結構的結構評估。
- 需要特別注意的特殊結構的資料，例如懸臂結構、預應力混凝土結構、預製混凝土結構、鋼組合結構、覆蓋牆、應力表層結構、懸吊結構、等等。

### 4. 拆卸程序和操作次序

爲了拆卸結構而建議使用的方法應在圖則上包括以下內容：

- 擬用設備的說明。
- 關於機械作業限制的具體指引，例如移動範圍、離開建築物邊界的具體距離以及支撐或淨高高度不足的場所。
- 拆卸的次序和建議程序。
- 拆卸可能影響公眾和現場工作人員一般安全的特殊構築物和重要場所的詳細指示。
- 查明這種結構的具體預防步驟。

# Demolition Plans Checklist

## (拆卸工程圖則核對表)

### Appendix B Demolition Plan Checklist

#### 5. Precautionary Measures

Specification, and construction details for precautionary measures which are essential to the project safety. The type of precautionary features shall be selected to best meet the requirements of the demolition method and the site conditions. The following features shall be included wherever it is necessary:

- Covered walkways, catch platforms and boardings.
- Scaffolding and catchfans.
- Temporary supporting systems to support machines working on the building floors.
- Temporary supports for cantilevered structures and for bracing weakened structural elements.
- Detailed design for temporary support and protection of any structure that may be affected by the demolition, such as party walls, or any attached structures, whether they are legal or not.
- Inspection and maintenance frequency for the precautionary measures.
- Support for adjacent retaining walls or slopes that may be affected by the demolition.

#### 6. Debris Handling

- A proposed plan for conveyance of debris, on site sorting and management, estimated amount of debris required for off site transportation.

#### 7. Special Safety Considerations

- Means of emergency escape, and access route.
- Means to reduce the dust, noise and vibration impacts.
- Storage and handling of any flammable material that may be used in the demolition process.
- Proper packaging, labelling and storage of asbestos/chemical waste generated in the demolition process.

### 附錄 B 拆卸圖則核對表

#### 5. 防護設施

防護設施的規格和施工詳圖，對工程安全極為重要。必須選擇適當類型的防護設施，以便盡量適應拆卸方法和地盤情況的要求。凡有需要的，應包括下述設施：

- 有蓋行人通道、陸台及圍板。
- 樓架和斜體。
- 支撐在建築物樓層上工作的機械的臨時支撐系統。
- 懸臂結構的臨時支撐物和已被削弱的構建物的聯結加固。
- 臨時支撐物的詳細設計以及可能受到拆卸工程影響的結構的保護工作，這些結構包括共用牆或其他任何附設結構，而不論有關結構合法與否。
- 防護設施的檢查和保養次數。
- 可能受到拆卸工程的鄰近牆土牆或斜坡的支撐工作。

#### 6. 泥石處理

- 必須說明泥石輸送、現場分類及管理以及運離地盤的預估泥石數量的建議計劃。

#### 7. 特殊安全考慮因素

- 緊急逃生途徑及進出路線。
- 減少灰塵、噪音及震動影響的方法。
- 拆卸過程中可能使用的易燃材料的貯存和處理。
- 拆卸工程過程中產生的石棉／化學廢物的適當包裝、標籤及貯存。

# Demolition Plans Checklist

## (拆卸工程圖則核對表)

### Appendix B Demolition Plan Checklist

### 附錄 B 拆卸圖則核對表

#### 8. Traffic

- If the project involves any temporary closure of traffic, a Traffic Impact Assessment with detail locations of the temporary traffic signs shall be provided.

#### 9. Post-Demolition Arrangement

- Permanent treatment to party walls and stabilisation of adjacent structures.
- Site security.
- Stabilisation of excavation, if any.
- For sloping sites or sites with retaining walls, additional arrangements for sealing off ground surface, provide adequate drainage and stabilisation of the slopes and/or retaining structures.

#### 10. Chinese Version

- Chinese Version of the Demolition Plan shall be provided.

#### 8. 交通

- 如果工程涉及交通的臨時封閉，必須提供載有臨時交通標誌詳細位置的交通影響評估報告。

#### 9. 拆卸後的安排

- 永久處理共用牆並使鄰近結構保持穩定。
- 地盤保安。
- 使若有的挖掘工程保持穩定。
- 就斜坡地盤或設有護土牆的地盤而言，必須在拆卸後安排地面密封、提供適當排水、以及加固斜坡及／或護土結構等額外工作。

#### 10. 中文本

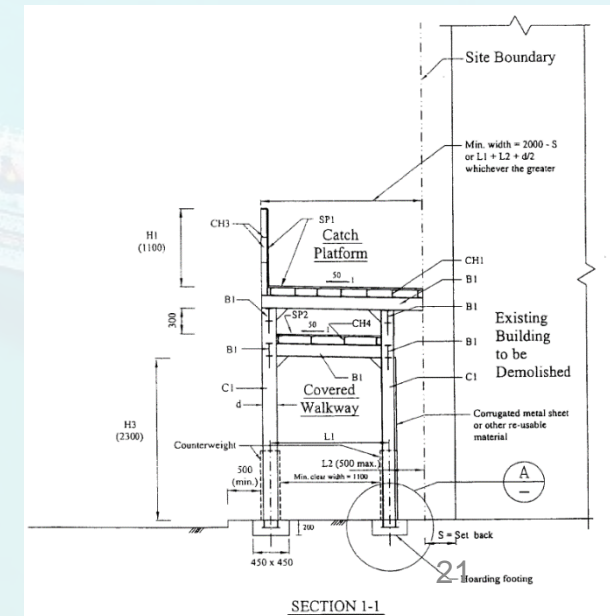
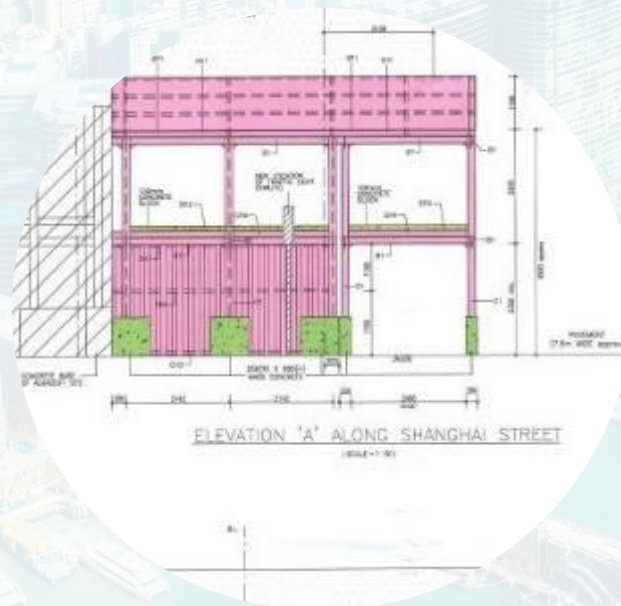
- 必須提供拆卸圖則的中文本。

# Precautionary Measures (預防措施) for Demolition Works

- Utilities disconnection (切斷公用事業)
- Hoardings, Covered Walkways and Catch Platforms(圍板、有蓋人行道及墜台)
- Scaffolding and Catchfans (棚架及斜柵)
- Temporary Supports(臨時支撐物)
- Debris Handling(泥石和廢物處理)
- Special Site Safety(特殊安全考慮) ( including means of emergency escape(緊急逃生途徑), and access route(進出路線), fire prevention (防火)/ training (培訓)/dust and noise(灰塵及噪音))
- Maintenance & Inspection(檢查和保養)
- Emergency Plan(緊急計劃)
- Post Demolition(拆卸後的防護設施)

# Precautionary Measures (預防措施) to be shown on Demolition Plans

- ▶ Hoarding and Covered Walkway (圍板、有蓋人行道)
  - Statutory plans and Permit for Hoardings, Covered Walkways or Gantries required under B(P)R Pt.IX (圍板 / 有蓋人行道的圖則及許可證)
  - Reference to PNAP APP-21 and 23 for the design



# Precautionary Measures (預防措施) to be shown on Demolition Plans

## ▶ Hoardings and Covered Walkways(圍板、有蓋人行道)

- ▶ To provide protection (防護) of the public during construction or demolition of buildings
- ▶ Hoardings for isolation of site for prevention of unauthorized access and trespassing (防止有人未經授權而進入和侵佔地盤)
- ▶ Covered walkways with catch platforms (有蓋人行道及墜台) provides additional protection to the pedestrian traffic against falling debris(保護行人免受掉落的泥石傷害)

# Precautionary Measures (預防措施) to be shown on Demolition Plans

## ► Scaffolding / Screen Covers

### (棚架和護網)

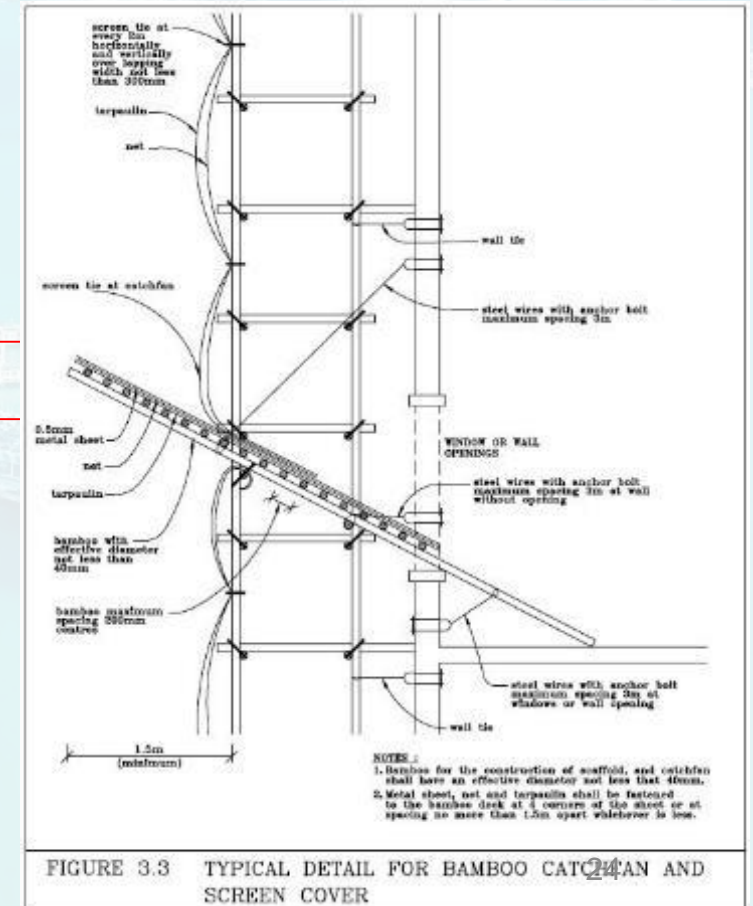
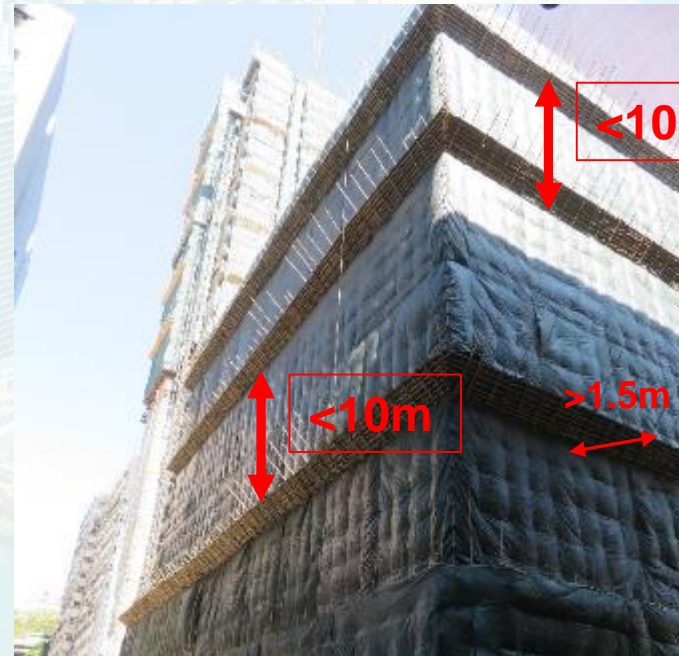
- To prevent any nuisance from dust (灰塵) / danger from debris or materials (泥石掉落的危險)
- Design of scaffolding should comply with Construction Sites (Safety) Regulations 《建築地盤(安全)規例》 & relevant CoP (守則) on Scaffolding Safety issued by Labour Department.



# Precautionary Measures (預防措施) to be shown on Demolition Plans

## ► Catchfans (斜柵)

- To catch small pieces of building debris that passes through the protective screen and net (收集一些能穿過護網的小塊泥石)

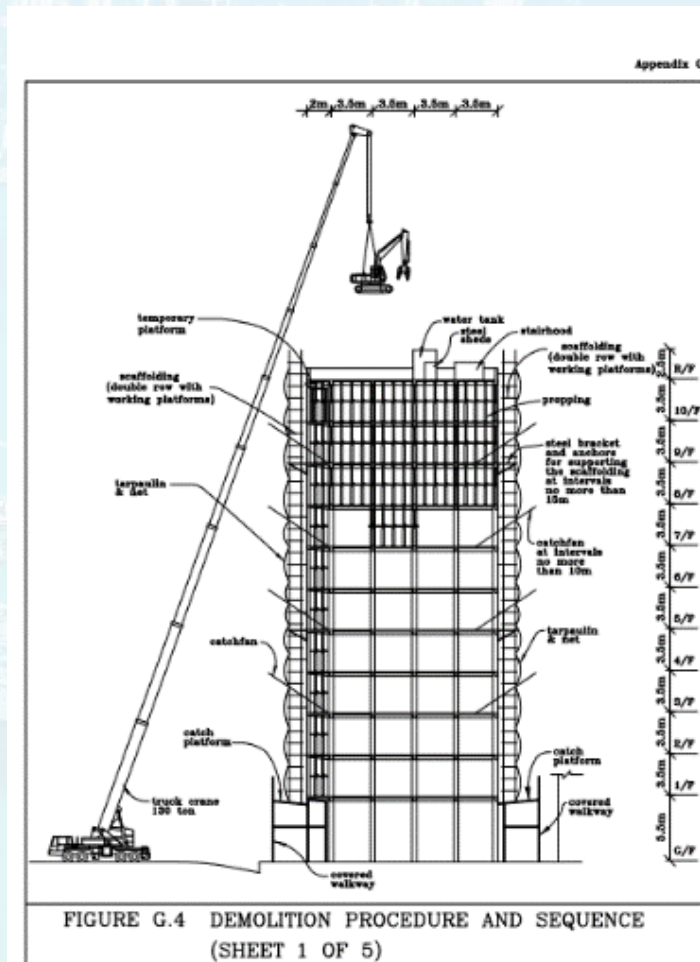




# Precautionary Measures to be shown on Demolition Plans (須在拆卸工程圖則上顯示的預防措施)

## ► Temporary Supports (臨時支撐物) required due to:

- Excessive loading due to demolition activities, movement of powered mechanical plants or debris accumulation (當結構的全部或任何部分受到拆卸活動、機動設備移動或泥石堆積所產生的過量負荷時)
- Elements being demolished not self-support (當正拆卸的結構的任何部分或任何構件並非自行支撐時)
- Temporary stabilizing of structure/elements impaired due to demolition activities ((當結構或其構件的臨時穩定性可能由於拆卸活動而受到損害時。))



# Precautionary Measures (預防措施)

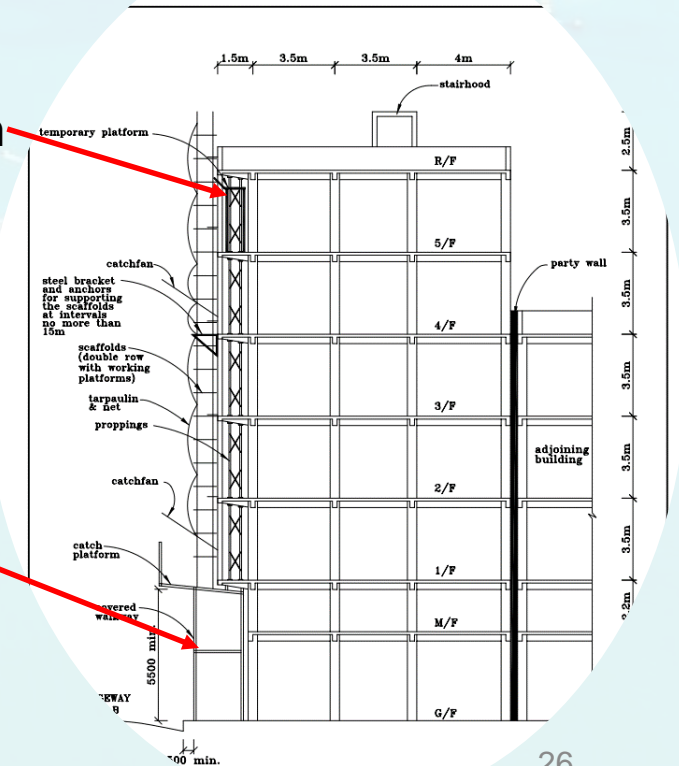


## Temporary Supports (臨時支撐物)

- 1) Cantilevered structure (懸臂結構)
  - Catch platform for cantilevered structures facing public street (就面向公眾街道, 應在懸臂構件底下安裝臨時墜台)

Temporary platform

Catch platform



# Precautionary Measures (預防措施)

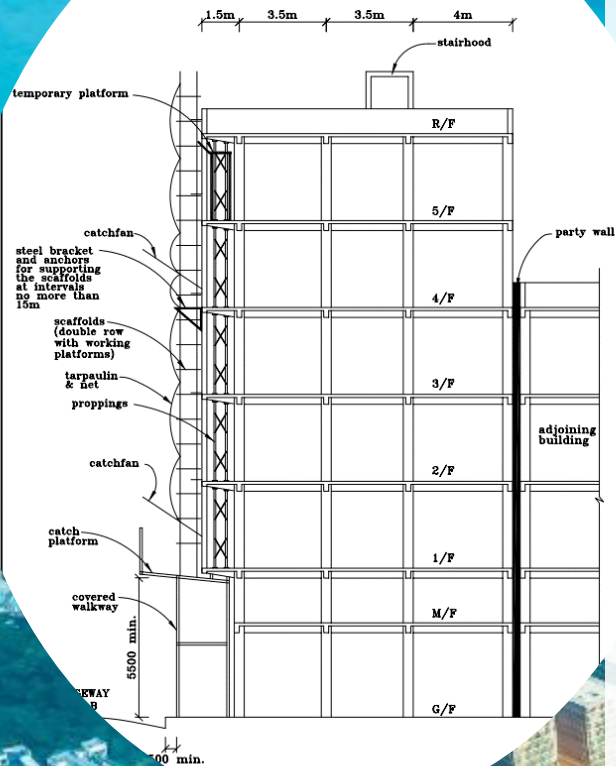
## Temporary Supports (臨時支撐物)

### 2) Adjacent Building (鄰近建築物)

- Adjacent properties including public/ private utilities such as slopes, retaining walls affected by demolition (鄰近物業包括建築物、公用或私人事業設施、斜坡、護土牆或土地)
- Common features, such as exposed party walls, common staircases shall be protected and stabilized (外露共用牆及共用樓梯等共用構築物，必須加以保護並加固)
- Tenement house may involve removal of structural members, appropriate supports to brace the structure shall be installed (拆除寓所式樓宇時可能會涉及拆除某種結構構件，而這些構件也是支撐其餘建築物的必要結構的一部分。應安裝支撐該結構的適當支撐物)

### 3) Incomplete demolition projects (長時間停工的拆卸工程)

- If projects shut down for a prolonged period, the remaining structure, if any, shall be stabilised by temporary support/bracing systems (當拆卸工程在其竣工之前就長時間停工時，如果現場仍有結構還未拆卸，必須用臨時支撐物及 / 或支撐系統加固)

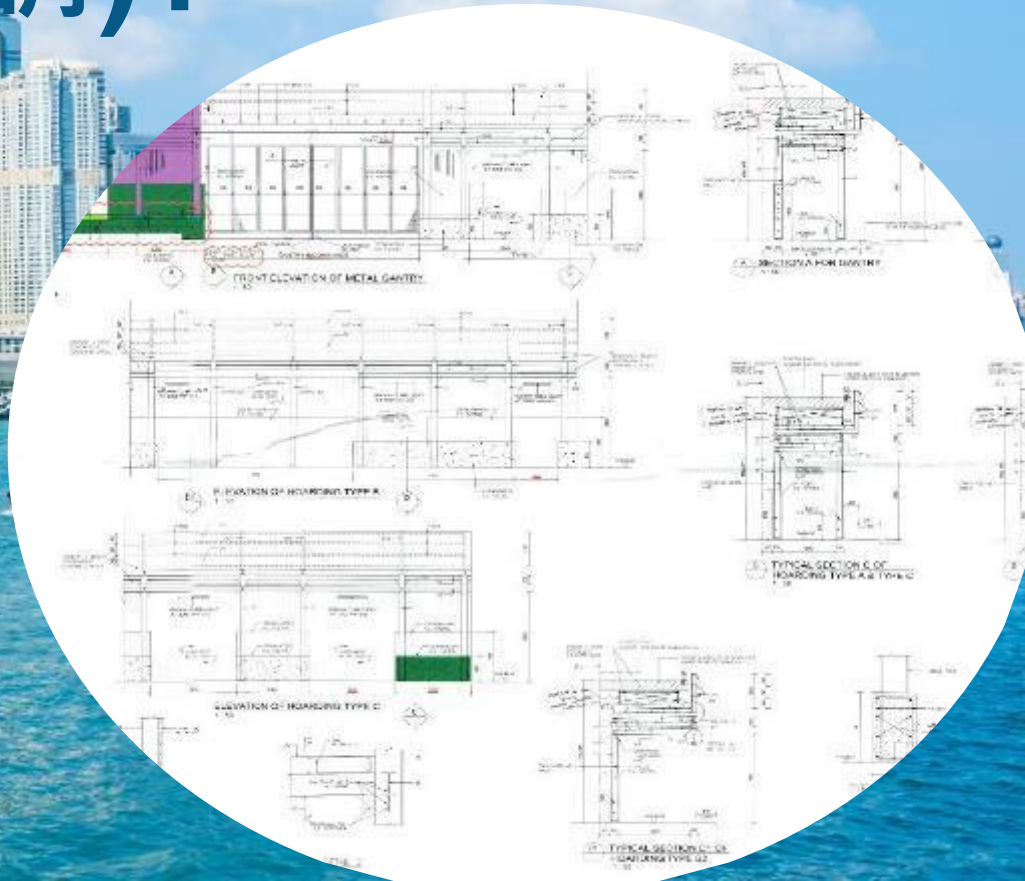




# Consent Application 同意展開及進行拆卸工程 的申請

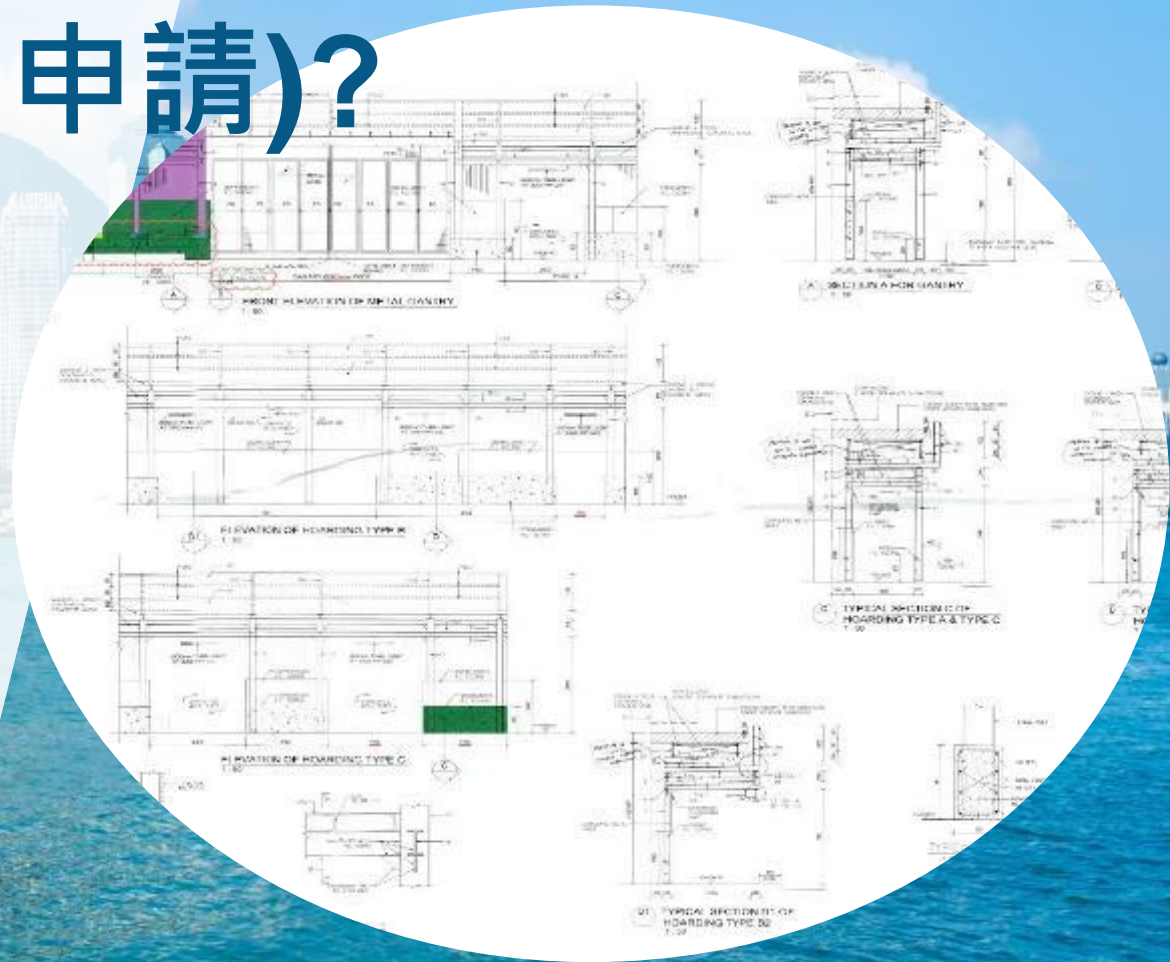
# What to be Included in Consent Application for Demolition Plans (同意展開及進行拆卸工程的申請)?

- 1) Form BA8 (Application for Consent to the Commencement and Carrying Out of Demolition Works) (同意展開及進行建築工程或街道工程的申請)
- 2) Form BA20 (Notice of Technically Competent Person(s) Appointed to Supervise Demolition Works) (聘任適任技術人員監督拆卸工程通知)
- 3) Supervision Plan (地盤安全監工計劃書)
- 4) Names of Technically Competent Persons and their particulars (適任人技術員姓名及詳細資料)



# What to be Included in Consent Application for Demolition Plans (同意展開及進行拆卸工程的申請)?

- 5) Details of operators of powered mechanical plant or equipment proposed to be used (操作擬使用的動力機械裝置)
- 6) Details of debris disposal and management system (泥石處置及管理制度的詳細資料)
- 7) Details of site engineer, if required to be appointed (地盤工程師的詳細資料)

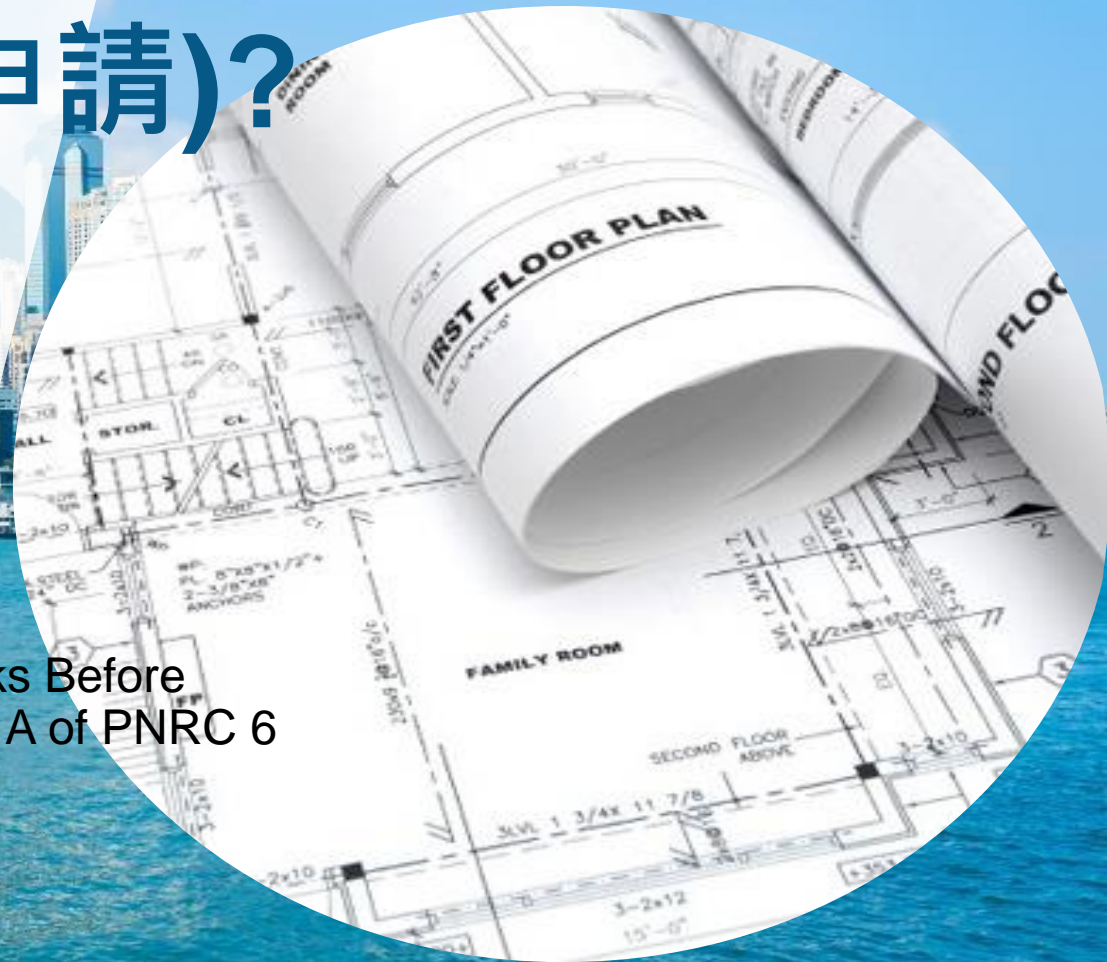


# What to be Included in Consent Application for Demolition Plans (同意展開及進行拆卸工程的申請)?

- 8) Chinese version of the demolition plans (拆卸工程圖則的中文本)
- 9) Minor Works Submission Records such as removal of unauthorised building works, projecting structures and formation of slab opening to convey debris (小型工程提交記錄，例如拆卸違例建築工程、突出結構和樓板開口)

(Streamlines Procedures for Carrying Out Minor Works Before Demolition of Buildings could be referred to Appendix A of PNRC 6 and Circular Letter dated 26.6.2017.)

(參考 PNRC 6 的附錄 A 和 2017 年 6 月 26 日的通函)



# Prior to Commencement of Demolition Works 拆卸工程展開前

## ► Prior to Commencement of Demolition Works (拆卸工程展開前)

1. Hoarding, covered walkway and catch platform erected in order? (圍板、有蓋人行道或門架是否已安裝妥當)
2. Precautionary and protective measures including scaffoldings, dust screens and catchfans provided and in order? (In particular at the common boundaries of adjoining demolition sites where demolition works will be carried out concurrently.) (提供預防和防護措施，例如棚架、防塵網及斜柵)
3. Proppings and temporary support to the structural elements and floor slabs of the building installed in order? (Shoring to the buildings and supports to adjacent retaining walls and/or slope installed and in order?) (臨時支撐建築物的結構部件和樓板)
4. Shoring(支撐物)to the buildings and supports to adjacent retaining walls and/or slope installed? (相鄰的擋土牆和/或斜坡)
5. All water, electricity, gas and other utility services disconnected and meters properly removed? (安排將所有氣體錶、電錶、水錶及其他計量儀移離建築物，並安排將建築物的氣體及電力供應截斷)
6. Debris chute(s) (廢物槽) properly provided?



## ► Prior to Commencement of Demolition Works (拆卸工程展開前)

7. Video cameras and record system installed at strategic locations? (有錄影功能的閉路電視)
8. All glazed sashes and doors removed? (移除所有的窗扇和門)
9. All sewer and drainage connexions sealed? (密封所有下水道和排水連接)
10. All fittings attached to the building in connexion with any tramway service, system of street lighting, supply of electricity or other service removed? (任何有關電車服務、街道照明系統、電力供應或其他服務相關的所有附屬於建築物的配件經已拆除)
11. Indications to show the route of emergency exit with lighting/fire extinguishing equipment provided? (展示緊急逃生出口路線包括適當照明及滅火設備)
12. Markings to identify the prohibited areas for the movement of mechanical plants (機線記號) on the floor slabs and the concerned propped area provided?
13. Details of Authorized Person/Registered Structural Engineer/Registered Specialist Contractor /Technically Competent Person and their contact telephone numbers posted close to the front entrance of the site? (張貼相關人士的聯絡資料)

## More to check.....

### ► Other Aspects

1. Hoarding Permit (圍板許可證) still valid ?
2. Excavation Permit, required by Highways Department, issued? (路政署發出的掘路紙)
3. Consent from the adjoining owners for demolition/strengthening of party wall/structures?
4. Conditions imposed in the approval letters complied with? (批准信內的要求)
5. Requirements from other government departments and/or MTR Corporation Limited observed? (其他政府部門及香港鐵路有限公司的要求)
6. Requirements from Antiquities and Monuments Office (古物古蹟辦要求) fulfilled?
7. If there are street name plates affixed to the building, Highways Department informed?  
(通知路政署關於街道名牌的事宜)

- ▶ Hoardings and covered walkways, catch platforms, catch fans, scaffoldings and dust screens erected in accordance with the accepted hoarding proposal and approved demolition plans  
(根據已獲接受的圍板計劃書和已獲批准的拆卸工程圖則, 豎立圍板和有蓋人行道、斜柵、墜台和防塵網)



## Temporary Supports (臨時支撐物)

- Propping and temporary supports should be erected according to the approved demolition plans (根據獲批准的拆卸工程圖則設置支撐和臨時支撐)



*Props are not properly rested on floor.*



## ► Temporary Supports (臨時支撐物)



*Inadequate bracing to the propping*



*Props not erected in accordance with the approved plans*

► All water, electricity, gas and other utility services be disconnected and meters removed

(切斷所有水、電、氣和其他公用事業服務)





## Refuse Chutes (廢物槽)

- Adequate number and size of chutes depending on the rate of debris generation and the disposal route (足夠數量和大小廢物槽)
- Areas adjacent to the openings of these features used as a chute shall be barricaded (廢物槽的開口附近的區域應設置路障)
- Warning signs shall be posted to prevent workers from entering the area (應張貼警告標誌，以防止工人進入該區域)
- TCPs of RC stream are specifically required to check that the refuse chute and refuse openings are properly located (檢查以確保廢物槽和孔洞的位置恰當), as specified in the checklist item C7 in Table 5.4 of the Code of Practice for Site Supervision 2009

## ▶ Video Cameras (錄影機)

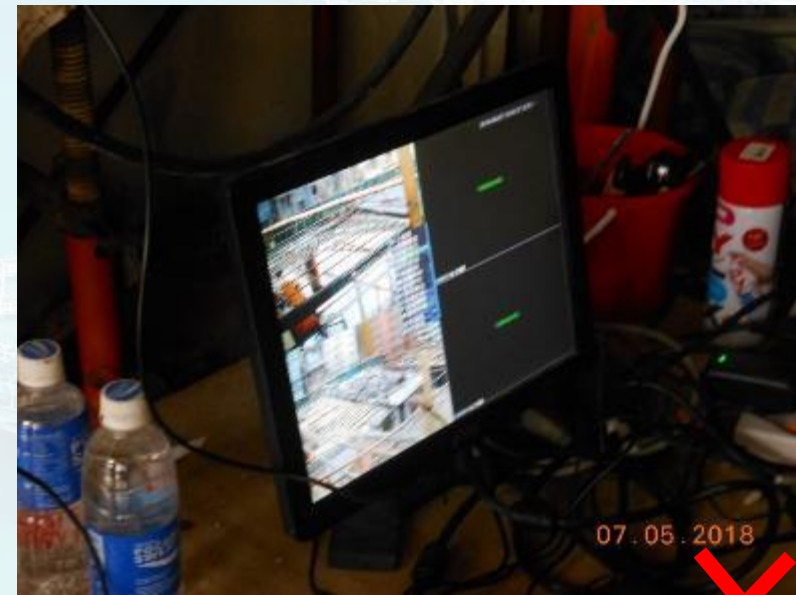
- Video cameras should locate at strategic locations to cover the entire demolition process. (攝像機能覆蓋整個拆卸過程)



*Insufficient coverage of CCTV*



*CCTV not provided in accordance with the approved demolition plans*



*Malfunctioned CCTV*



## ▶ Glazed Sashes and Doors (窗扇和門)

- All Glazed Sashes and Doors shall be removed.  
(移除所有的窗扇和門)



*Glazed sashes not yet removed*



*Doors removed*

▶ Seal all Sewer and Drainage Connexions  
(密封所有下水道和排水連接)



*Manhole **before** sealing*



*Manhole **after** sealing*

## ► Emergency Exit (緊急出口)

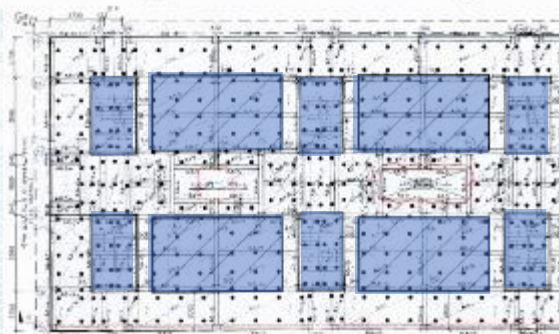
- Adequate lighting and fire extinguishing equipment (適當照明及滅火設備)
- Properly protected, free of obstruction, and properly marked with exit signs or other clear indication (適當保護，不受阻礙，適當標明出口標誌或其他指示以便清楚顯示該出口路線)



## ▶ Mechanical Plant Manoeuvring Area

(機械設備活動的範圍)

- Markings to identify the prohibited areas for the movement of mechanical plants on the floor slabs and the concerned propped area (作好標誌以識別受到支撐的範圍及機械設備活動的範圍)



*Part plan of roof*

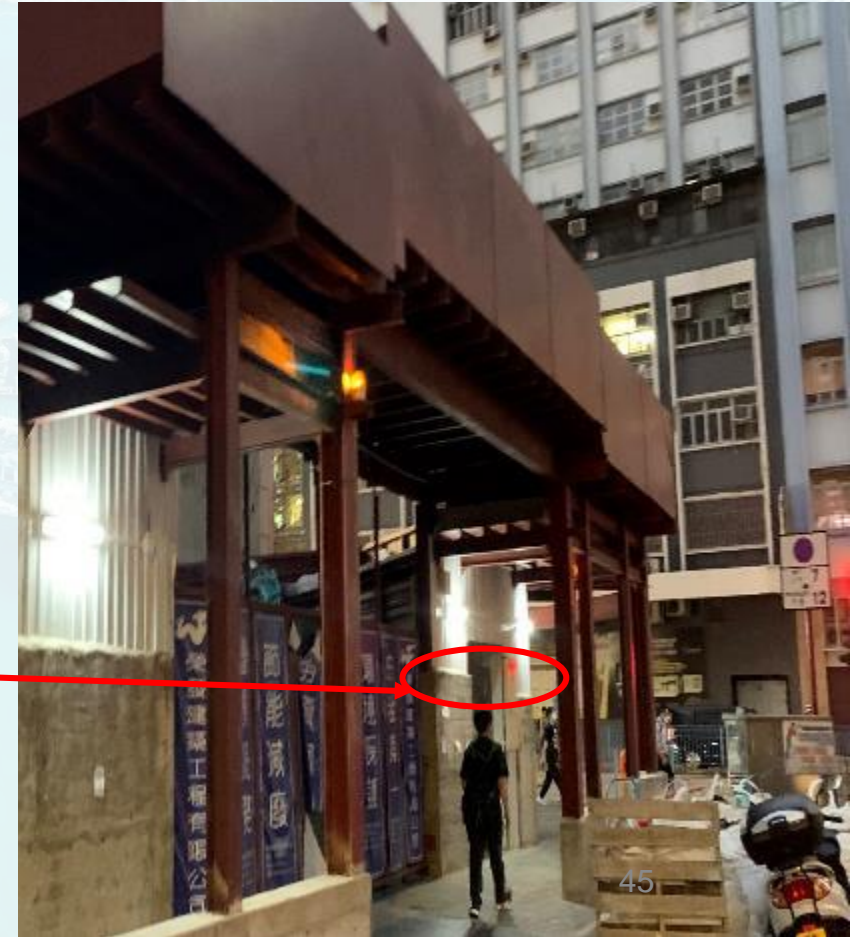
*Mechanical Plant  
Manoeuvring Area*



*Marking for  
Manoeuvring Area on  
slab*

## ▶ Posting on Site (資料張貼於近地盤正門)

- Details of AP/RSE/RSC/TCP and their contact telephone numbers (認可人士, 註冊結構工程師, 註冊專門承建商(拆卸), 負責拆卸地盤的適任技術人員)的資料及聯絡電話號碼)
- Form BA20 (表格 BA20 號)



# Duties under Buildings Ordinance

## Duties of AP/RSE/RGE under BO.s4 (認可人士/註冊結構工程師/註冊岩土工程師的職責)

- supervise the carrying out of the building works or street works, as the case may be, in accordance with the supervision plan; (按照監工計劃書監督建築工程或街道工程(視屬何情況而定)的進行)
- notify the Building Authority of any contravention of the regulations which would result from the carrying out of any work shown in any plan approved by the Building Authority in respect of the building works or street works; and (就以下情況向建築事務監督作出通知：建築事務監督就該建築工程或街道工程批准的任何圖則所顯示的任何工程，如予進行會導致違反規例)
- comply generally with this Ordinance. (全面遵從本條例的規定)

## Duties of RC under BO s.9 (註冊承建商的職責)

- provide continuous supervision to the carrying out of the works in accordance with his supervision plan; (按照其監工計劃書不斷監督工程的進行)
- notify the Building Authority of any contravention of the regulations that would result from carrying out the works shown in the plan approved by the Building Authority for the works; and (就以下情況向建築事務監督作出通知：建築事務監督就工程批准的任何圖則所顯示的工程，如予進行即會導致違反規例)
- comply generally with this Ordinance. (全面遵從本條例的條文)

# Duties under Building (Administration) Regulations



## Duties of AP under B(A)R 37(1) (認可人士的職責)

- give such periodical supervision and make such inspections as may be necessary to ensure that the building works or street works are being carried out in general accordance with the provisions of the Ordinance and regulations, the plans approved in respect thereof by the Building Authority, the supervision plan prepared in compliance with the technical memorandum issued under section 39A of the Ordinance (if required) and any order made or condition imposed, pursuant to any provision of the Ordinance or regulations in that behalf, by the Building Authority. (須作出所需的定期監督和進行所需的檢查，以確保該建築工程或街道工程的進行大致上是按照本條例及規例的條文和建築事務監督就該建築工程或街道工程所批准的圖則的，並且是遵從根據本條例第39A條發出的技術備忘錄而製備的監工計劃書(如有需要)以及建築事務監督依據本條例或規例任何有關上述各方面的條文所作的任何命令或施加的任何條件)

## Duties of RSE/RGE under B(A)R 37(2) (註冊結構工程師/註冊岩土工程師的職責)

- give such periodical supervision and make such inspections as may be necessary to ensure that the structural works or geotechnical works, as the case may be, are being carried out in general accordance with the provisions of the Ordinance and regulations, the plans approved in respect thereof by the Building Authority, the supervision plan prepared in compliance with the technical memorandum issued under section 39A of the Ordinance (if required) and any order made or condition imposed, pursuant to any provision of the Ordinance or regulations in that behalf, by the Building Authority. (作出所需的定期監督和進行所需的檢查，以確保該結構工程或岩土工程(視屬何情況而定)的進行大致上是按照本條例及規例的條文和建築事務監督就該結構工程或岩土工程(視屬何情況而定)所批准的圖則的，並且是遵從根據本條例第39A條發出的技術備忘錄而製備的監工計劃書(如有需要)以及建築事務監督依據本條例或規例任何有關上述各方面的條文所作的任何命令或施加的任何條件)

# Duties under Building (Administration) Regulations



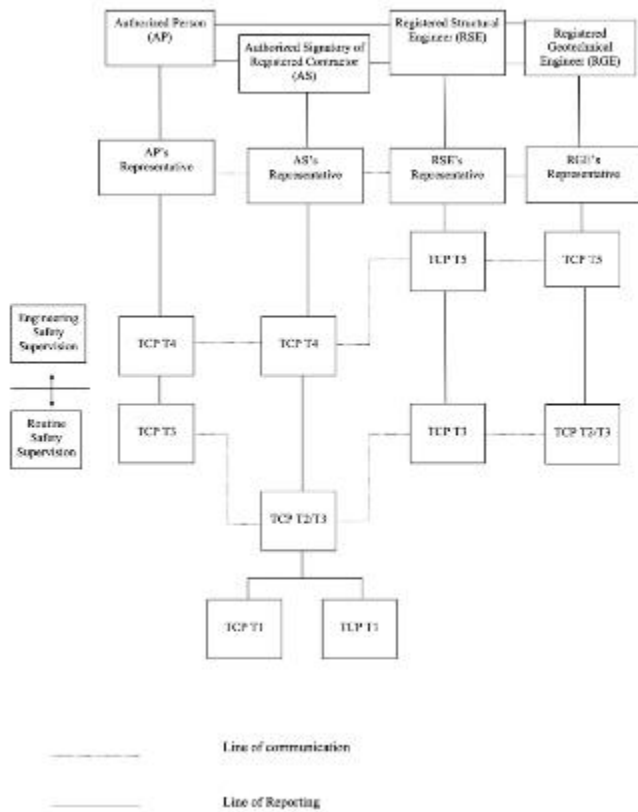
## Duties of RC under B(A)R 41 (註冊承建商的職責)

- give continuous supervision thereto to ensure that the building works or street works, as the case may be, are carried out in accordance with the provisions of the Ordinance and regulations and with the plans approved in respect thereof and with any order made or condition imposed, pursuant to any provision of the Ordinance or regulations in that behalf, by the Building Authority and the supervision plan prepared in compliance with the technical memorandum issued under section 39A of the Ordinance. (須在該工程進行期間對該工程不斷監督，以確保該建築工程或街道工程(視屬何情況而定)的進行，是按照本條例及規例的條文、就該工程所批准的圖則、建築事務監督依據本條例或規例任何有關該方面的條文所作的任何命令或施加的任何條件，以及遵從根據本條例第39A條發出的技術備忘錄而製備的監工計劃書(如有需要)進行)



# Site Supervision for Demolition (拆卸工程的監工)

Figure 4.1 Example of Safety Management Structure



The AP, RSE and AS of RC should jointly submit a supervision plan (監工計劃書), specifying the name of the TCPs (適任技術人員) appointed and frequency of inspection and/or extent of supervision, and carry out inspections and supervisions in accordance with the plan.



# Site Supervision for Demolition (拆卸工程的監工)(AP)(認可人士)



**Table 5.1**  
**Typical Items for the Check List of Specific Tasks for AP's TCPs**

Item No.	Description	
A1	Establish systems for co-ordinating, compiling and filing of reports, maintaining filing systems; and forwarding reports to AP in case of non-conformity.	Routine items
A2	Check that the hoarding and/or covered walkways are erected to secure safety of the public in accordance with the hoarding plan agreed by the BA.	
A3	Check that the provision and condition of scaffolding, catch fans, matscreens and heavy duty nylon mats, as appropriate, are satisfactory.	
A4	Check that monitoring check points are installed and readings are taken in time.	
A5	Register reports of non-conformity and inform relevant parties of non-conformity.	
A6	Report to the AP if the 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.	Routine and Engineering items
A7	Check that all lower grade TCPs and RC's TCPs are making inspections no less than the required frequency and carrying out duties in accordance with the Technical Memorandum and the Code of Practice for Site Supervision.	
A8	Check and satisfy that copies of approved plans (or submitted plans for minor works), method statements, precautionary and protective measures proposals and all related drawings are kept on site; and that they are followed, including checking the video record for demolition works.	
A9	Check and monitor that lateral supports are installed in accordance with approved/agreed sequence and not to be removed in advance of adequate propping or restraint.	Engineering items
An	Any other items considered essential by the AP for the project, including those for quality supervision and other conditions imposed by the BA at approval and/or consent stage.	

**表 5.1**  
**認可人士的適任技術人員的特定任務清單的常見項目**

項目編號	說明	
A1	建立協調、編寫和報告存檔的系統，維持存檔系統，並就不一致事項向認可人士提交報告。	日常項目
A2	按照獲建築事務監督接納的圍板圖則檢查圍板及／或有蓋行人道，以保障公眾安全。	
A3	檢查棚架、防護斜柵、柵網和重型尼龍網等裝置，確保其設置與狀況均令人滿意。	
A4	檢查所有監測點安裝穩妥，並有按時讀取數據。	
A5	登記不一致事項的報告，並通知相關人士。	
A6	若不一致事項會構成即時危險，或有重大風險，或為導致危險的根源，或註冊承建商沒有遵從糾正指令，向認可人士報告。	工程項目
A7	檢查所有較低職級的適任技術人員及註冊承建商的適任技術人員以不低於要求的頻率進行檢查，以及按照《技術備忘錄》和《地盤監督作業守則》執行職務。	
A8	檢查及確保所有經批准圖則（或就小型工程呈交的圖則）、施工方法陳述書、預防和保護措施的方案及其他相關圖則已存放在地盤，並已獲依循，包括檢查拆卸工程的錄影記錄。	
A9	檢查和監察側向承托已按照經批准／同意的次序安裝，並確保在設置足夠的支撐或繫固物前，承托不會被移走。	工程項目
An	認可人士認為必要的其他項目，包括有關質量監督的項目，以及建築事務監督於給予批准及／或同意的階段所附加的條件。	

# Site Supervision for Demolition (拆卸工程的監工)(RSE)(註冊結構工程師)

**Table 5.2**  
**Typical Items for the Check List of Specific Tasks for RSE's TCPs**

Item No.	Description	
E1	Establish system for communicating with other TCPs.	Routine Items
E2	Check that all monitoring check points are installed and readings are being taken in time.	
E3	Verify non-conformity and instruct rectification works. Notify all relevant parties in respect of the non-conformity and monitor that rectification measures are properly carried out.	Routine and Engineering Items
E4	Report to the RSE if the 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.	
E5	Check that all lower grade TCPs and RC's TCPs are making inspections no less than the required frequency and carrying out duties in accordance with the Technical Memorandum and the Code of Practice for Site Supervision.	
E6	Check and satisfy that copies of approved plans (or submitted plans for minor works), method statements, precautionary and protective measures proposals and all related drawings are kept on site; and that they are followed, including checking the video record for demolition works.	Routine and Engineering Items
E7	Check that there is no over-excavation and temporary cut slopes will not cause any instability to adjoining ground/structure/building.	Engineering Items
E8	Check that enclosing walls for top down construction show no signs of defect or lack of soundness.	
E9	Check and monitor that lateral supports are installed in accordance with approved/agreed sequence and not to be removed in advance of adequate propping or restraint.	
E10	Check that the design and supports of formwork, shoring and temporary working platform are adequate to support all intended loads.	
E11	Check that there is no risk of artesian conditions for excavation and lateral support works.	
E12	Check that stability and integrity of nearby buildings and ground are not adversely affected.	
E13	Check that the groundwater table is consistent with design of excavation and lateral support works.	
E14	Check that before excavation takes place, the highest new deck level for top down construction is in place and has achieved sufficient strength to provide lateral support.	
En	Any other items considered essential by the RSE for the project, including those for quality supervision and other conditions imposed by the BA at approval and/or consent stage.	

**表 5.2**  
**註冊結構工程師的適任技術人員的特定任務清單的常見項目**

項目編號	說明	
E1	建立與其他適任技術人員聯絡的系統。	日常項目
E2	檢查所有監測點安裝穩妥，並有按時讀取數據。	
E3	確定不一致事項，並指令進行糾正工作。就不一致事項通知所有相關人士，並確保註冊承建商恰當地進行糾正工作。	日常和工程項目
E4	若不一致事項會構成即時危險，或有重大風險，或為導致危險的根源，或註冊承建商沒有遵從糾正指令，向註冊結構工程師報告。	
E5	檢查所有較低職級的適任技術人員及註冊承建商的適任技術人員以不低於要求的頻率進行檢查，以及按照《技術備忘錄》和《地盤監督作業守則》執行職務。	
E6	檢查及確保所有經批准圖則（或就小型工程呈交的圖則）、施工方法陳述書、預防和保護措施的方案及其他相關圖則已存放在地盤，並已獲依循，包括檢查拆卸工程的錄影記錄。	日常和工程項目
E7	檢查以確保沒有超挖，以及臨時挖坡不會導致毗鄰土地／構築物／建築物不穩定。	工程項目
E8	採用自頂向下施工方法時，檢查以確保圍牆沒有損毀或欠穩固的跡象。	
E9	檢查和監察側向承托已按照經批准／同意的次序安裝，並確保在設置足夠的支撐或繫固物前，承托不會被移走。	
E10	檢查以確保模板、支撐和臨時工作台的設計和承托足以承受全部預計施加的荷載。	
E11	檢查挖掘與側向承托工程，確保沒有自流水情況的風險。	
E12	檢查附近的建築物和土地，確保沒有影響其穩定性和完整性。	
E13	檢查以確保地下水位跟挖掘與側向承托工程的設計保持一致。	
E14	採用自頂向下施工方法進行挖掘前，檢查以確保新建造的最高承托層已造妥，並達至足夠強度以提供側向承托。	
En	註冊結構工程師認為必要的其他項目，包括有關質量監督的項目，以及建築事務監督於給予批准及／或同意的階段所附加的條件。	

# Site Supervision for Demolition (拆卸工程的監工)(RGE)(註冊岩土工程師)



**Table 5.3**  
**Typical Items for the Check List of Specific Tasks for RGE's TCPs**

Item No.	Description	
G1	Establish system for communicating with other TCPs.	Routine items
G2	Check that all monitoring check points are installed and readings are being taken in time.	
G3	Verify non-conformity and instruct rectification works immediately. Notify all relevant parties in respect of the non-conformity and monitor that rectification measures are properly carried out.	Routine and Engineering items
G4	Report to the RGE immediately if the 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 all lower grade TCPs and RC's TCPs are making inspections no less than the required frequency and carrying out duties in accordance with the Technical Memorandum and the Code of Practice for Site Supervision.	
G6	Check and satisfy that copies of approved plans (or submitted plans for minor works), method statements, precautionary and protective measures proposals and all related drawings and geotechnical documentation are kept on site; and that they are followed, including checking the video record for demolition works.	Routine and Engineering items
G7	Check that there is no over-excavation/over-loading and temporary cut and fill slopes will not cause any inadequate margin of safety against instability to adjoining ground/buildings/structures/utility services or any harm to members of the public and workers on site.	
G8	Check and monitor that the sequence of work and necessary protection works and supports are installed in accordance with approved plans/agreed method statements/precautionary measures proposals and that the supports are not to be removed or loaded in advance of adequate propping or restraint.	Engineering items
G9	Check that there is no risk of hydraulic failure causing ground collapse or excessive deformation.	
G10	Check that there is adequate margin of safety against instability and integrity/functionality of nearby ground/buildings/structures/utility services and members of public and workers on site are not adversely affected/harmed.	
G11	Check that the ground and groundwater conditions, ground deformations/vibrations and geotechnical hazards/risks are consistent with the design of excavation and lateral support works.	
G12	Check that the geotechnical assumptions (i.e. ground model, surface water regime, ground water regime, ground deformations/vibrations, geotechnical hazards/risks, etc) are consistent with the geotechnical assessments/study/works design, and to assess their compatibility/adequacy taking into account the actual geotechnical conditions encountered on site and the original method statement and precautionary and protective measures proposed, and update the method statement, precautionary and protective measures and advise the RGE accordingly.	
Gn	Any other items considered essential by the RGE for the project, including those for quality supervision and other conditions imposed by the BA at approval and/or consent stage.	

**表 5.3**  
**註冊岩土工程師的適任技術人員的特定任務清單的常見項目**

項目編號	說明	
G1	建立與其他適任技術人員聯絡的系統。	常規項目
G2	檢查所有監測點安裝穩妥，並按時讀取數據。	
G3	確定不一致事項，並指令進行糾正工作。就不一致事項通知所有相關人士，並確保註冊承建商妥善地進行糾正工作。	日常和工程項目
G4	若不一致事項會構成即時危險，或有重大風險，或為導致危險的根源，或註冊承建商沒有遵從糾正指令，立即向註冊岩土工程師報告。	
G5	檢查所有較低職級的適任技術人員及註冊承建商的適任技術人員以不低於要求的頻率進行檢查，以及按照技術備忘錄和地盤監管作業守則進行職務。	
G6	檢查及確保所有經批准圖則（或就小型工程呈交的圖則）、施工方法陳述書、預防和保護措施的方案，以及其他相關圖則和岩土工程文件已存放在地盤，並已獲依循，包括檢查拆卸工程的錄影記錄。	日常和工程項目
G7	檢查以確保沒有任何超挖／超荷載，臨時挖坡及填土斜坡沒有引致毗鄰土地／建築物／構築物／公用設施的穩定安全系數不足，亦沒有對公眾人士及地盤工人構成危害。	
G8	檢查和監察施工程序及必需的防護工程和承托，確保已按照經批准的圖則／獲同意的施工方法陳述書／預防措施的方案安裝，並且確保在設置足夠的支撐或繫固物前，承托不會被移走或受力。	工程項目
G9	檢查以確保沒有出現水力破壞導致地面坍塌或過度變形的風險。	
G10	檢查以確保毗鄰土地／建築物／構築物／公用設施有足夠的穩定安全系數及完整性／功能性，並且不會對公眾人士及地盤工人構成影響或危害。	
G11	檢查地面及地下水狀況、地面變形／震動，以確保岩土危害／風險跟挖掘與側向承托工程的設計一致。	
G12	檢查以確保岩土假定數據（即土地模式、地面水系統、地下水系統、地面變形／震動，岩土危害／風險等）與岩土評估／研究／工程設計一致，並按照在地盤所遇到的實際岩土情況及原有的施工方法陳述書及擬議的預防和保護措施評估其兼容性／足夠性，從而更新施工方法陳述書、預防和保護措施及通知註冊岩土工程師。	
Gn	註冊岩土工程師認為必要的其他項目，包括有關質量監督的項目，以及建築事務監督於給予批准及／或同意的階段所附加的條件。	

# Site Supervision for Demolition (拆卸工程的監工)(RC)(註冊承建商)

**Table 5.4**  
**Typical Items for the Check List of Specific Tasks for RC's TCPs**

Item No.	Description
C1	Establish system for communicating with other TCPs.
C2	Check that the erection of hoarding, covered walkway and catch platform has been erected to secure safety of the public in accordance with the hoarding plan agreed by the BA.
C3	Check and ensure that there are arrangements for access and egress of vehicles which are satisfactory and do not endanger the public or other road users.
C4	Check that scaffolding is adequately secured to the building to prevent collapse; catch fans, catch platforms and protection screens are adequately installed so as to secure safety against falling objects.
C5	Check that restraining guy ropes and/or nets are provided before removal of external walls for demolition works.
C6	Check that there is no excessive debris on floor slabs and against external walls for demolition works.
C7	Check that refuse chute and refuse openings are properly located.
C8	Check and ensure that all monitoring check points and other geotechnical instrumentation have been installed and are regularly monitored; the results are kept on site; and that abnormal readings are reported to AP/RSE/RGE and the BA.
C9	Check that all monitoring check points are installed and the readings are taken in time.
C10	Check that loose materials, boulders, construction plants or temporary stockpiles of materials are not present at the crest or intermediate benches of slopes.
C11	Check that if excavation plant and piling rigs are operated on ground, the state of the ground is fit for use; and if the plants are operated on an elevated working platform, the platform is adequate to support the plant and all other imposed loads.
C12	Check and satisfy that copies of approved plans (or submitted plans for minor works), method statements, precautionary and protective measures proposals and all related drawings are kept on site; and that they are followed.
C13	Check that mechanical plant is operating safely and in accordance with method statements and proppings are provided in accordance with approved demolition plans.

*Routine items*

*Routine and Engineering items*

**表 5.4**  
**註冊承建商的適任技術人員的特定任務清單的常見項目**

項目編號	說明
C1	建立與其他適任技術人員聯絡的系統。
C2	按照獲建築事務監督接納的圍板圖則檢查圍板、有蓋行人道和墜台，以保障公眾安全。
C3	檢查及確保車輛出入口的安排令人滿意，和不會危及公眾人士或其他道路使用者。
C4	檢查棚架妥善地固定在建築物上以防止其倒塌；防護斜柵、墜台和保護網妥善地安裝，以預防物件下墜，保障安全。
C5	拆卸外牆前，檢查繫固牽索及／或保護網已設置妥當。
C6	進行拆卸時，檢查以確保沒有過量的瓦礫堆積在樓板上和擠壓着外牆。
C7	檢查以確保垃圾槽和垃圾孔洞的位置恰當。
C8	檢查及確保所有監測點和其他岩土測試儀器已設置並定期監測；讀數記錄存放在地盤，及向認可人士／註冊結構工程師／註冊岩土工程師和建築事務監督報告不正常的讀數。
C9	檢查所有監測點安裝穩妥，並按時讀取數據。
C10	檢查以確保在斜坡的頂部或中間護道上沒有疏鬆的物料、巨礫、建築機械或臨時貯料堆。
C11	如果挖掘機和打樁機在地面上操作，檢查以確保土地的狀況適宜使用；如果機械在高架工作台上操作，檢查該工作台以確保足以支撐該機械和其他外加荷載。
C12	檢查及確保所有經批准的圖則（或就小型工程呈交的圖則）、施工方法陳述書、預防和保護措施的方案及其他相關圖則已存放在地盤，並已獲依循。
C13	檢查和確保機械裝置按照施工方法陳述書安全地操作，及支撐按照經批准的拆卸圖則安裝。

*Routine items*

*Routine and Engineering items*

Check that refuse chute and refuse openings are properly located  
(確保廢物槽及孔洞的位置恰當)

# Site Supervision for Demolition (拆卸工程的監工)(RC)(註冊承建商)



Table 5.4 Cont'd

Item No.	Description		
C14	Check that plant and machinery for lifting building material and equipment for construction is operating in accordance with method statement or safety procedures; that site constraint, proximity to hazards, space limitation and suitability of the support for plant and machinery have been considered and checked properly; that safety inspections, safety measures and appointment of competent persons as required by relevant Ordinances have been implemented/carried out.	Routine and Engineering Items	
C15	Check that permit to work has been obtained and safety measures implemented if public street is to be occupied/affected for lifting operation.		
C16	Check that procedure for the excavation and lateral support works are carried out in accordance with the approved/submitted plans/agreed sequence.		
C17	Check that falsework for elevated structure is erected in accordance with the design proposal.		
C18	Check that during site formation works, existing nullahs and watercourses are properly diverted.		
C19	Inspect slopes to check that temporary drainage is adequate and that unexpected channels or conduits do not develop prior to forecast heavy rainstorms and during rainfall events.		
C20	Check that protective measures for blasting operation are in place and maintained.		
C21	Check that all lower grades TCPs are carrying out their duties in accordance with the Technical Memorandum and the Code of Practice for Site Supervision and records are properly kept on site.		
C22	Set up procedures to ensure that safety measures and safety actions are checked and recorded by the TCPs.		
C23	Instruct rectification of non-conformity and monitor rectification measures.		
C24	Report to relevant parties when non-conformity is observed and rectified.		
C25	Check that stability and integrity of nearby buildings and ground are not adversely affected.		Engineering Items
C26	Check that enclosing walls for top down construction show no signs of defect or lack of soundness.		
C27	Check that before excavation takes place, the highest new deck level for top down construction is in place and has achieved sufficient strength to provide lateral support.		
C28	Check that during excavation for top down construction, there is no unexpected deflection on the highest deck level and subsequent new floor levels.		
C29	Check that the angle of cut slopes is within specified limits.		

續表 5.4

表 5.4 註冊承建商的適任技術人員的特定任務清單的常見項目			
項目編號	說明		
C14	檢查和確保機械裝置和機械設備按照施工方法陳述書或安全操作程序吊運建築物料和建造的設備；地盤環境的限制、鄰近地方的危害、空間限制及機械裝置和機械設備支撐的恰當性已被考慮和恰當地檢查；按照相關條例的規定實施／進行安全檢查、安全措施及委任合資格人士。	田 區 程 程 規 程 和 規 範 註 冊	
C15	如果吊運操作會佔用／影響公眾街道，檢查和確保施工獲得許可及安全措施得到實施。		
C16	按照經批准／已呈交的圖則／獲同意的施工程序檢查挖掘與側向承托工程的施工步驟。		
C17	檢查和確保高架構築物的臨時支撐按照設計方案豎設。		
C18	進行地盤平整工程時，檢查和確保現有的溝渠和水道已適當地改造。		
C19	暴風雨來臨前或降雨期間視察斜坡，檢查和確保臨時排水系統足夠，及沒有意料之外的水溝或水道形成。		
C20	檢查和確保為爆破操作而設的保護措施已裝妥並妥善維護。		
C21	檢查所有較低職級的適任技術人員按照《技術備忘錄》和《地盤監督作業守則》執行職務，並把記錄在地盤妥善地存放。		
C22	建立程序，以確保適任技術人員檢查和記錄安全措施和安全行動。		
C23	指令糾正不一致事項，並監察糾正措施的進行。		
C24	當被發現的不一致事項已妥善糾正，向相關人士報告。		
C25	檢查附近的建築物和土地的穩定性和完整性沒有受到影響。		田 區 程 程
C26	採用自頂向下的施工方法時，檢查和確保圍牆沒有損毀或欠穩固的跡象。		
C27	採用自頂向下的施工方法挖掘前，檢查和確保新的最高承托層已造妥，並達致足夠的強度以提供側向承托。		
C28	採用自頂向下的施工方法挖掘期間，檢查和確保最高承托層及隨後興建的新樓板層沒有出現不正常的撓度。		
C29	檢查和確保挖掘的切割角度在規定的限度以內。		

# Site Supervision for Demolition (拆卸工程的監工)(RC)(註冊承建商)

Table 5.4 Cont'd

續表 5.4

Item No.	Description
C30	Liaise with AP's, RSE's and RGE's TCPs as applicable to check and satisfy that design assumptions are validated on site.
C31	Check that the design and supports of formwork, shoring and temporary working platform are adequate to support all intended loads.
C32	Check that the deck and formwork are adequate for all applied loads.
C33	Investigate and identify causes for non-conformity and set up systems and procedures to avoid recurrence.
Cn	Any other items considered essential by the RC for the project, including those for quality supervision and other conditions imposed by the BA at approval and/or consent stage.

Engineering Items

表 5.4 註冊承建商的適任技術人員的特定任務清單的常見項目	
項目編號	說明
C30	透過與認可人士、註冊結構工程師和註冊岩土工程師的適任技術人員作適當聯繫，檢查和確保設計假定在地盤得到驗證。
C31	檢查和確保模板、支撐和臨時工作台的設計和承托足以承受全部預計施加的荷載。
C32	檢查和確保樓板及模板足夠承托全部施加的荷載。
C33	調查和找出不一致事項發生的原因，並建立系統和程序，以避免同類事情再次發生。
Cn	獲授權簽署人認為有必要的其他項目，包括有關質量監督的項目，以及建築事務監督於給予批准及／或同意的階段所附加的條件。

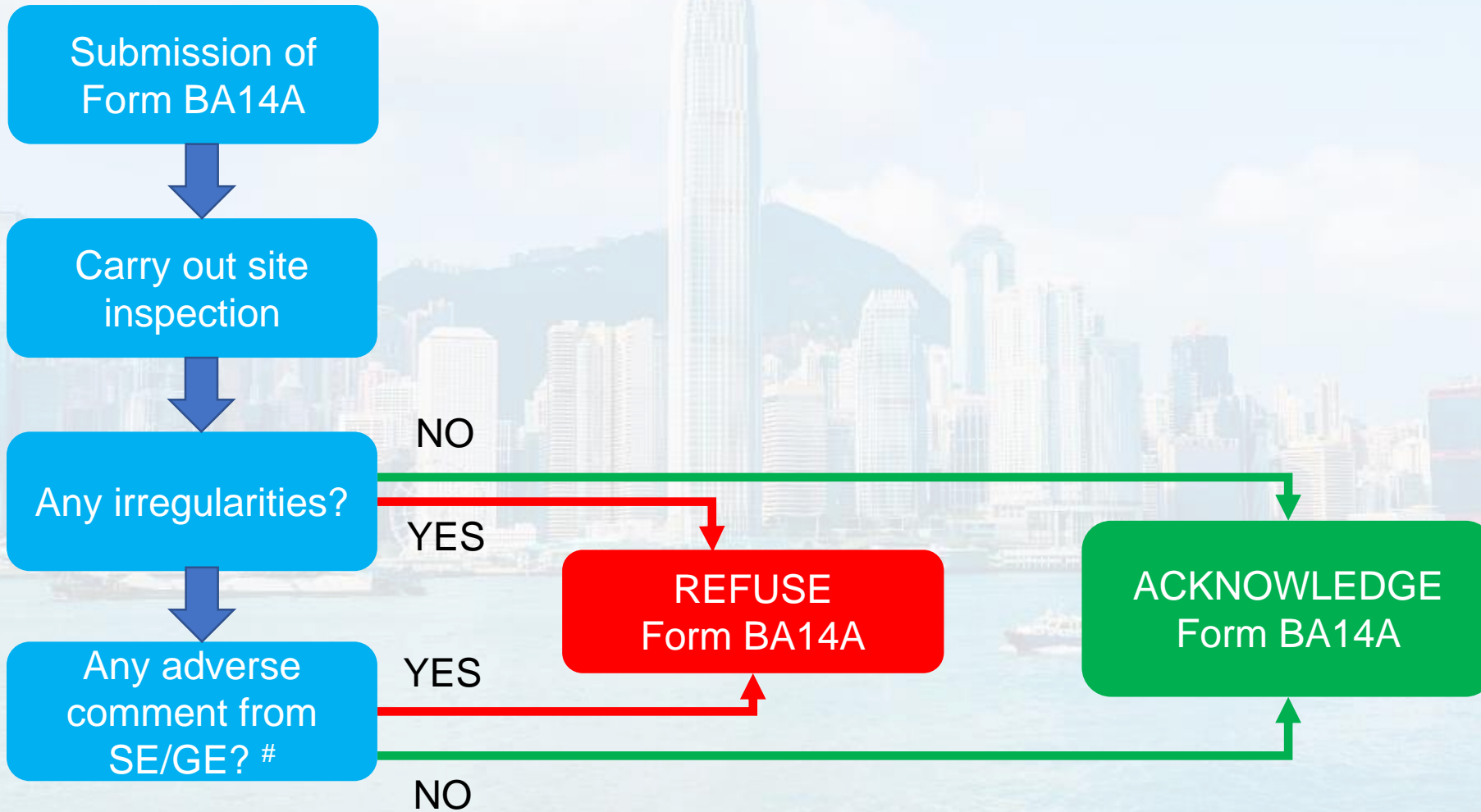
工程項目



# Completion (竣工)



# What to be Submitted for Reporting Completion of Works? (竣工)



# If required

# What to Check for Completion by BA?



*Strengthening works to retained party wall completed in accordance with approved demolition plans*

Works completed in accordance with approved plans?

(是否根據批准圖則完成)

- Check if the works completed in accordance with the approved plans, such as the extent of demolition works, any retaining structures, etc.

Post-demolition Arrangement

(完成工程後的安排)

- The site shall be levelled and cleared of any debris.
- Supports to adjacent building structures, waterproofing and stabilization of exposed party wall shall be completed.



*Completed Demolition Works*



**THANK YOU!**