



建築物無障礙設施 設計規範

講師:楊檔巖

無障礙設施



- * 係指定著於建築物之建築構件（含設備），使建築物、空間為行動不便者可獨立到達、進出及使用。
- * 無障礙通路、樓梯、升降設備、廁所盥洗室、浴室、輪椅觀眾席位、停車空間、無障礙標誌、無障礙客房。

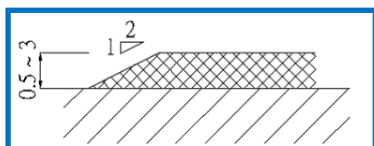
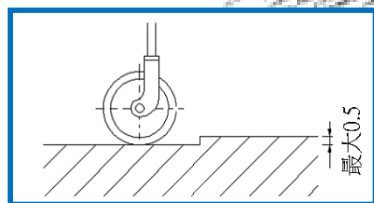
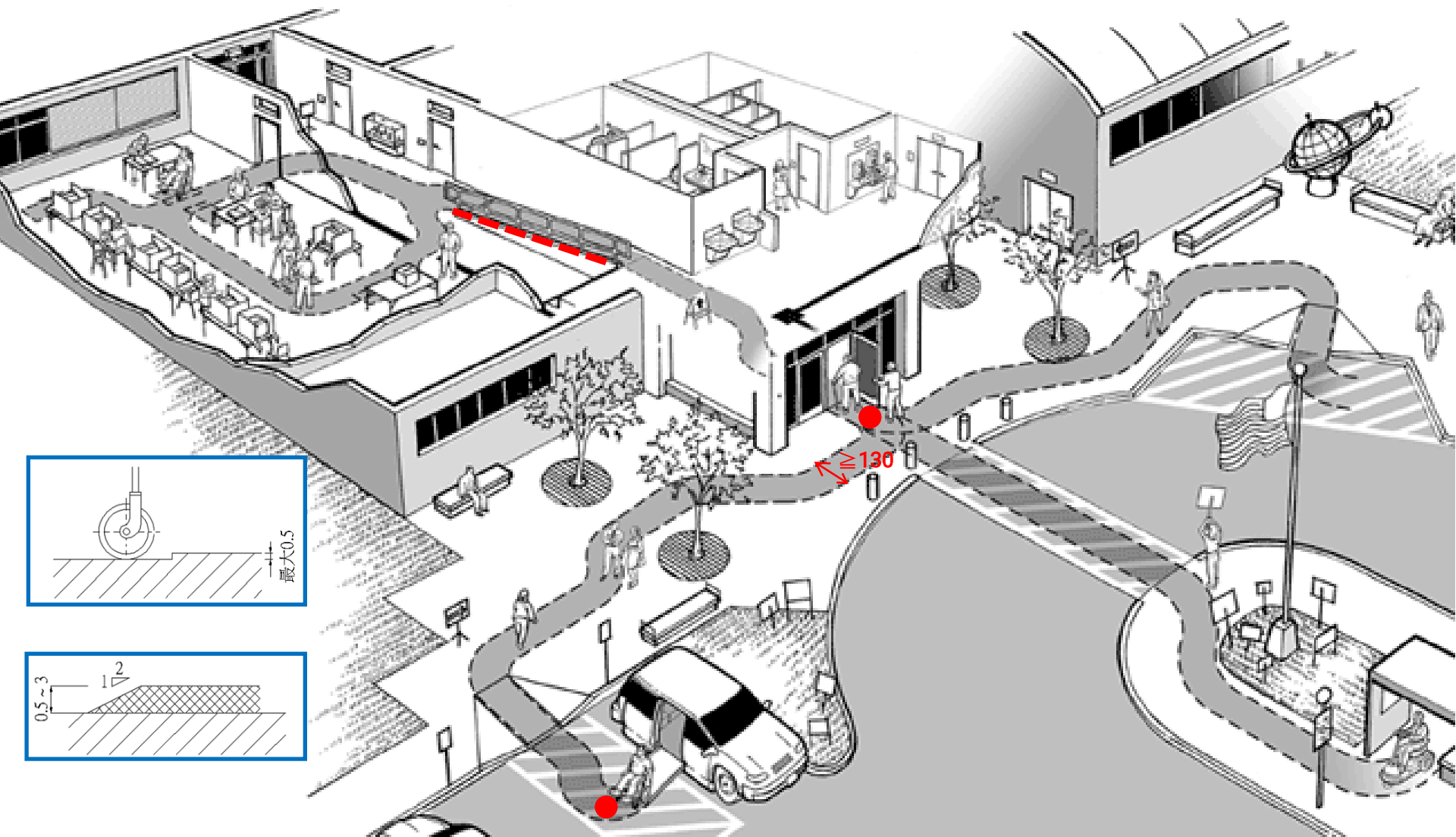
尺寸



- * 本規範中未註明「最大」、「最小」或「限定範圍」（如3-5 公分）者，所有該項尺寸的誤差不得大於3%。

① 通路組成

應由以下一個或多個設施組成，包括**室外通路**、**室內通路走廊**、**出入口**、**坡道**、**扶手**、**昇降設備**、**升降平台**等通路地面應平整、防滑且易於通行



行動不便者用動力操作升降平台 - 安全、尺度及功能性 操作之規則 - 第1部：垂直升降平台

根據 ADA 標準，平台升降機必須能夠獨立操作，並且必須允許在無人協助的情況下進出升降機。



升降平台



CNS 15830-1 Z1055-1

本標準係在規定行動不便者無論有無照護人員陪伴，站立或坐立於輪椅時，所使用之永久設置動力操作垂直升降平台的安全規則、尺度及功能性操作。

本標限定用在下列升降平台：

1. 升降於兩固定高度之間者。
2. 無升降路封閉且未貫穿樓層者。
 - (1) 行進路程在 2.0m 以下。
 - (2) 在私人住宅，行進路程在 4.0m 以下。
3. 有升降路封閉者，行進路程在 4.0m 以下。
4. 額定速率不超過 0.15 m/s。
5. 行進路程之路線距離垂直線不超過 15°。
6. 額定荷重不小於 250 kg。

行動不便者用動力操作升降平台 - 安全、尺度及功能性 操作之規則 - 第2部：坐式、立式及輪椅使用者在傾斜面 移動使用之**動力式樓梯升降機**

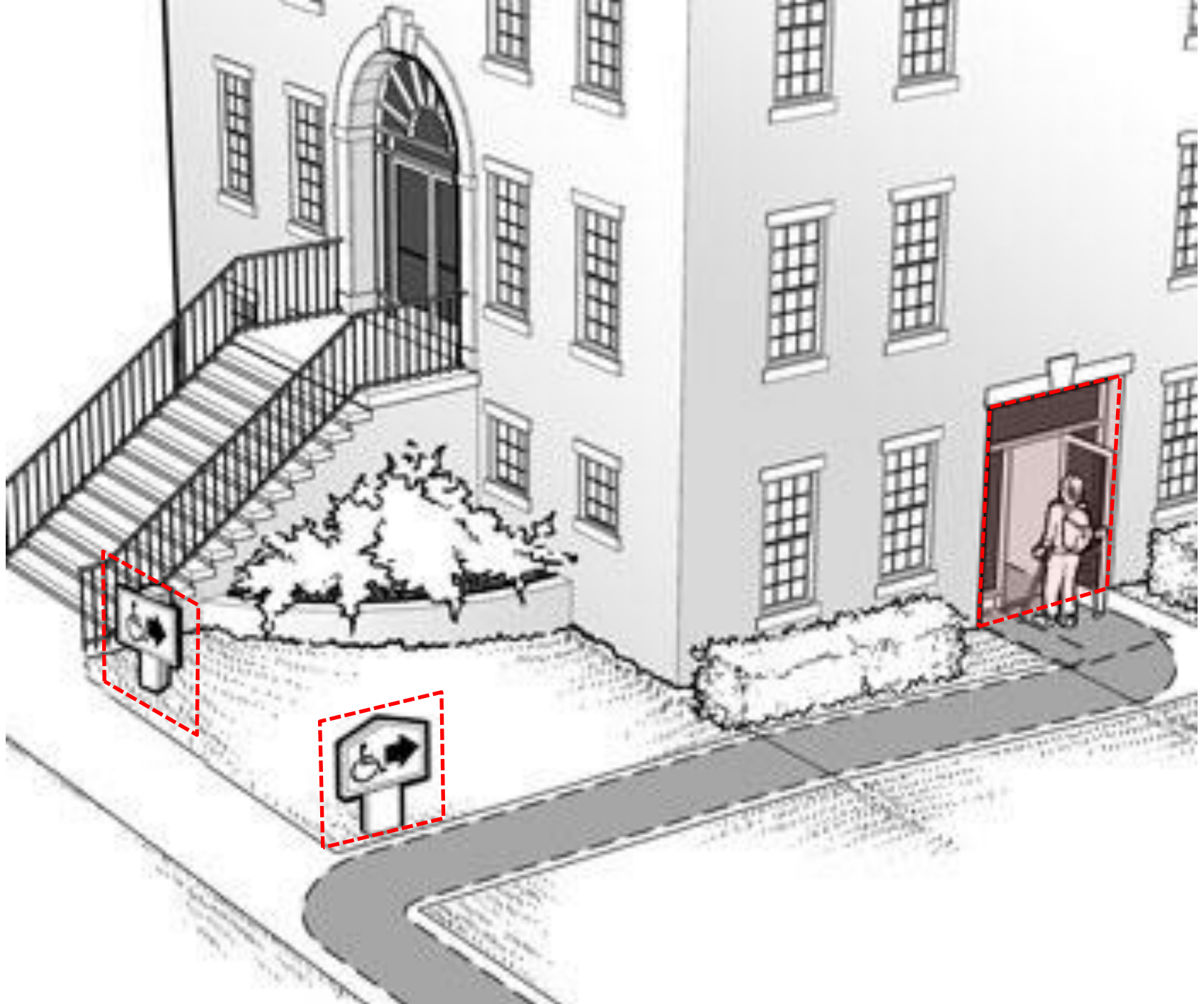


...樓梯非屬本規範所規定之無障礙通路範疇，故CNS15830-2行動不便者用動力操作升降平台 - 安全、尺度及功能性操作之規則 - 第2部：坐式、立式及輪椅使用者在傾斜面移動使用之動力式樓梯升降機**非屬本規範第2章無障礙通路所規定之昇降平台。**



室外通路設有坡道，並於側邊設有階梯時，為利視覺障礙者使用應於階梯終端設置終端警示設施，其寬度不得小於130公分或該階梯寬度

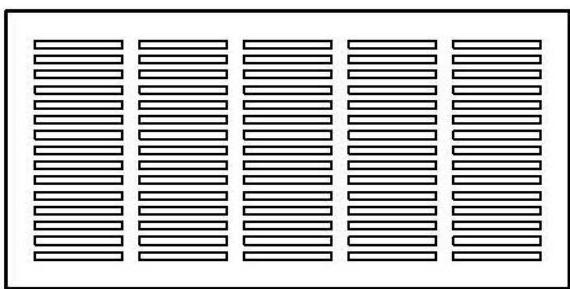
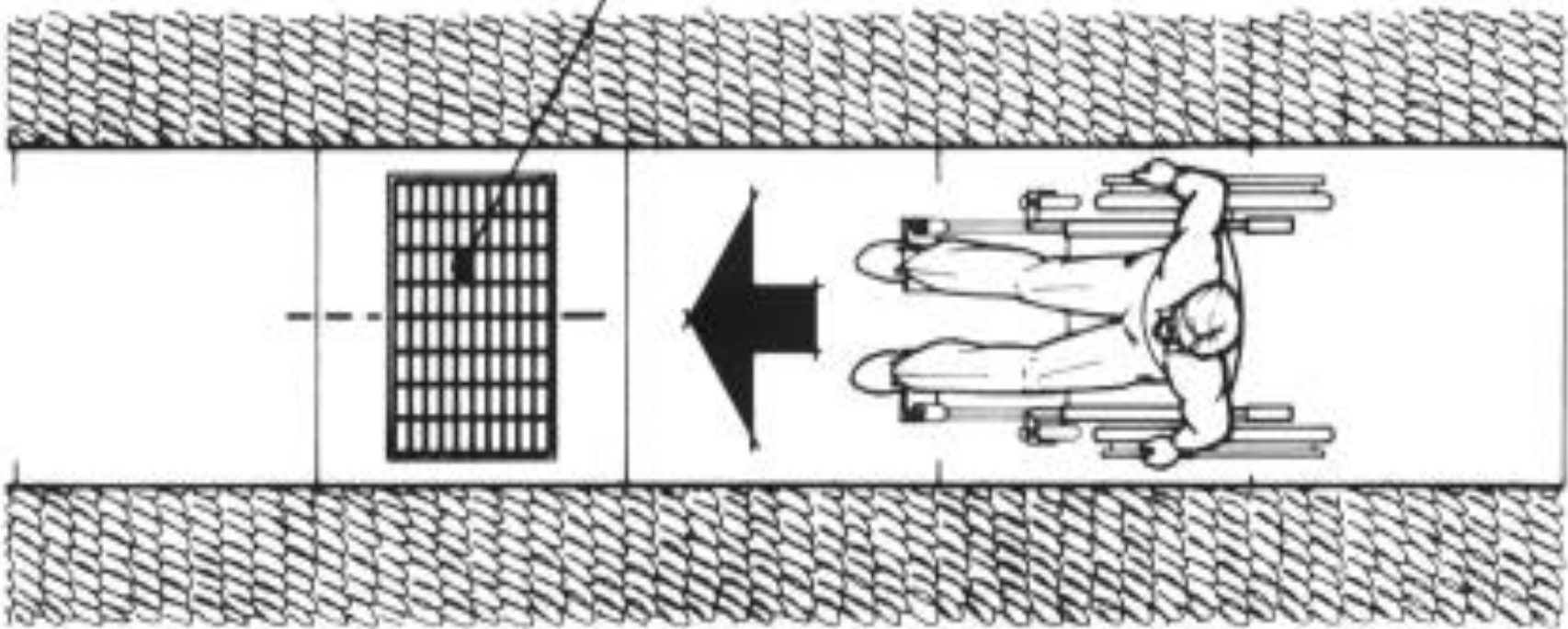




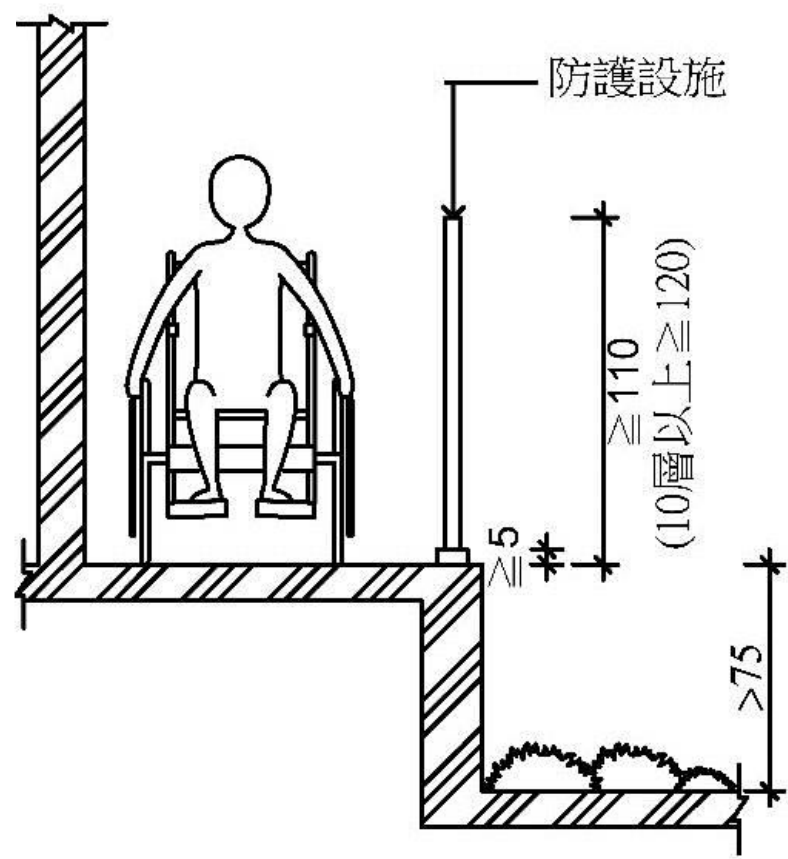
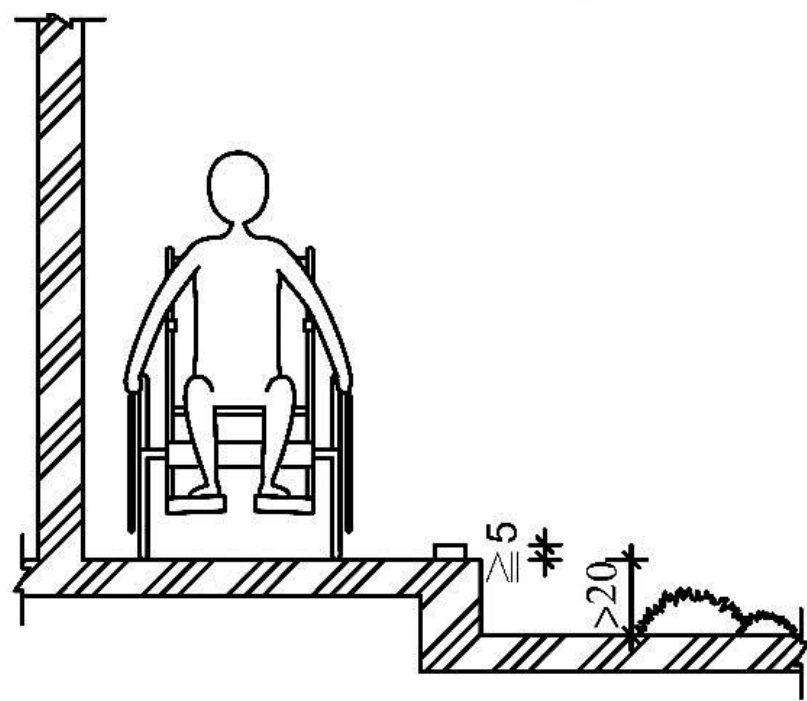
UNITED STATES

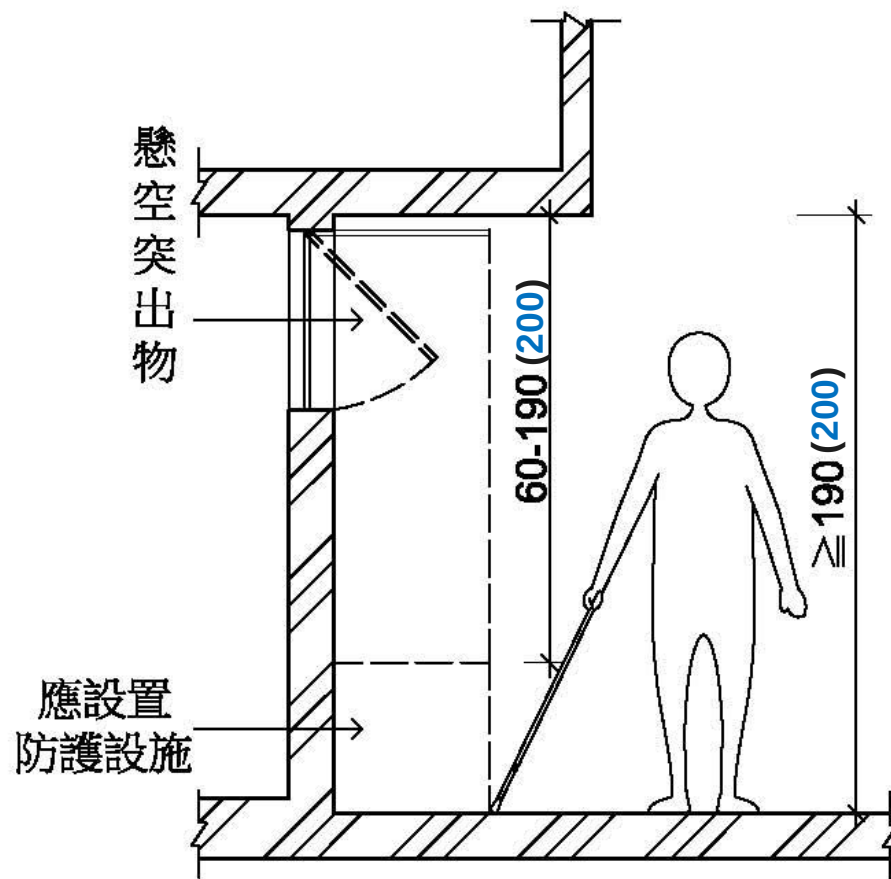
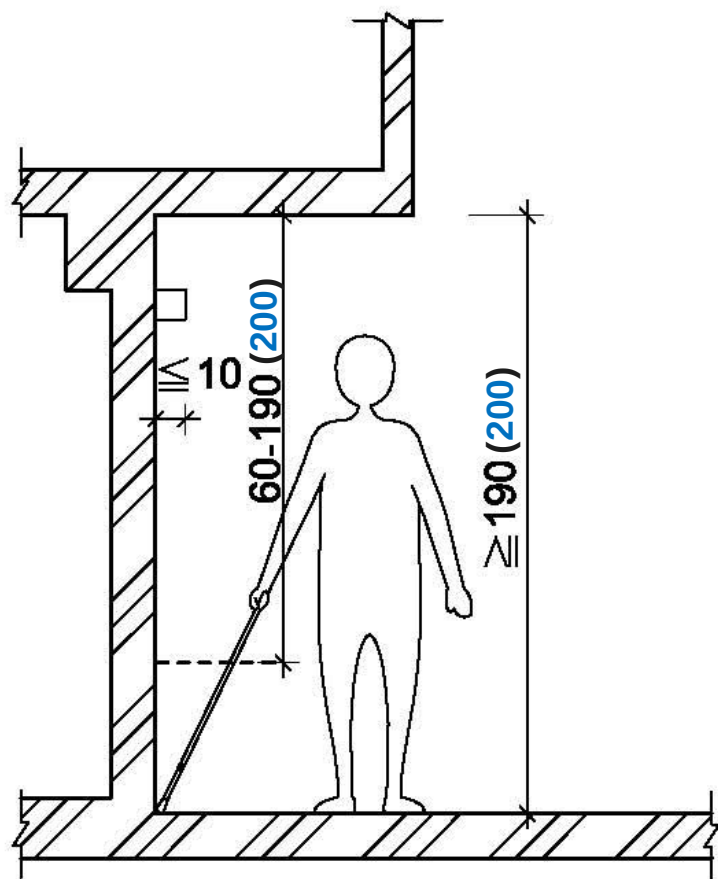
DEPARTMENT
OF AGRICULTURE
SOUTH BUILDING

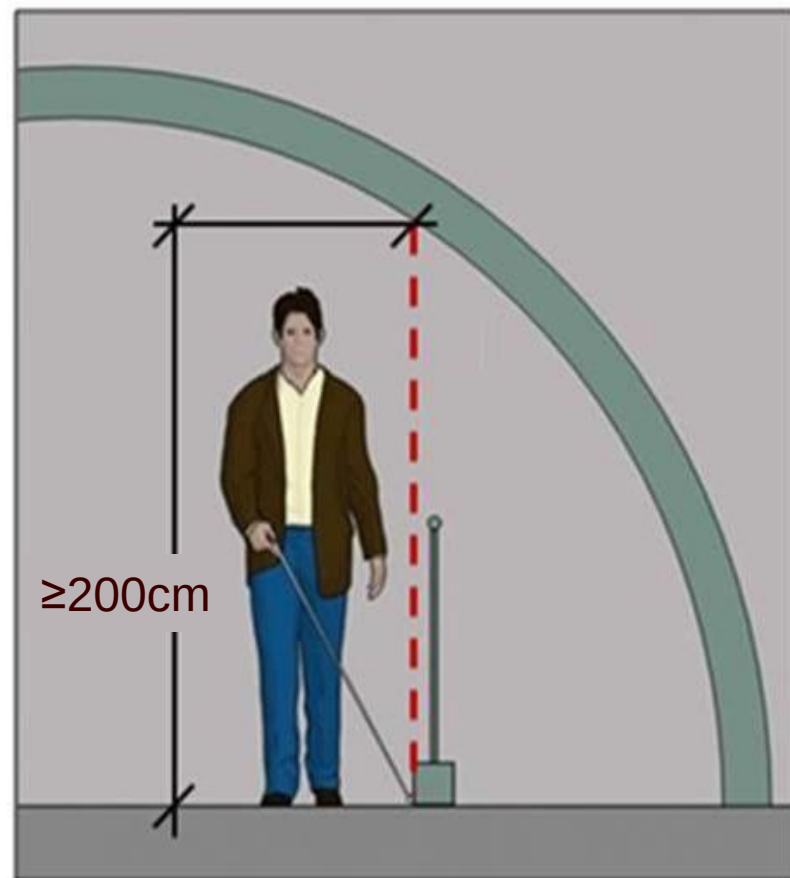




≤ 1.3

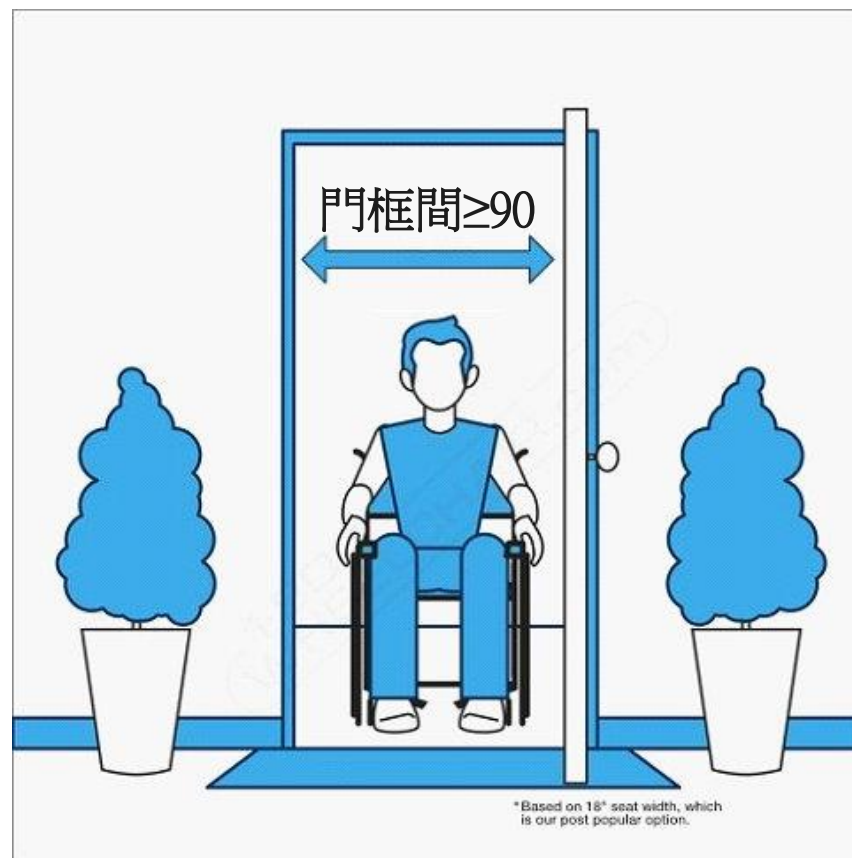
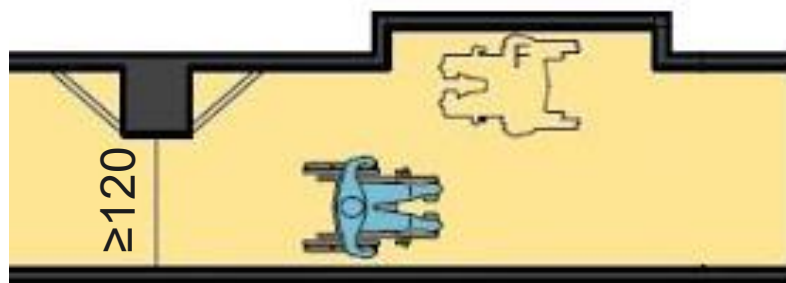




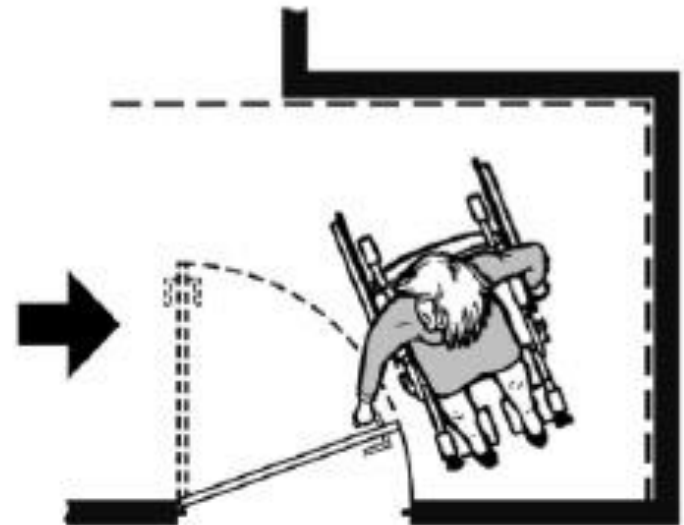
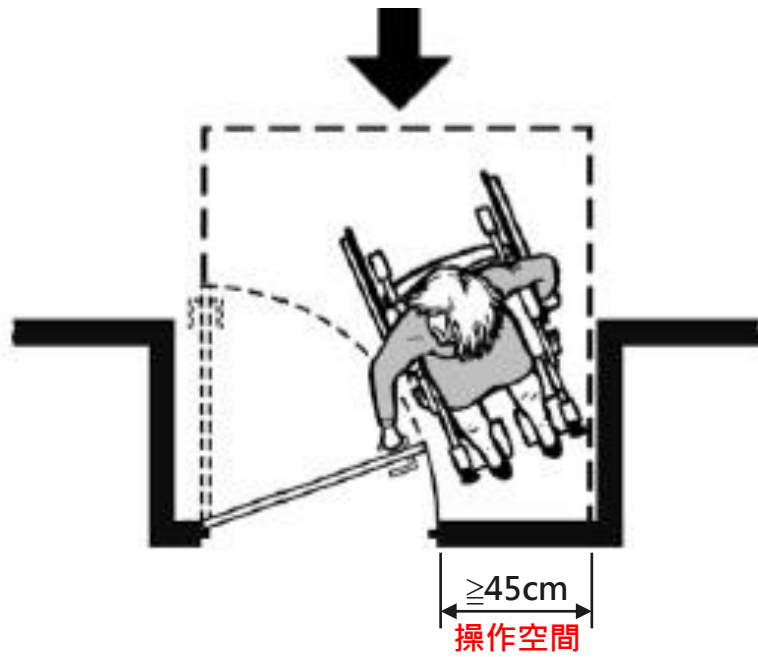
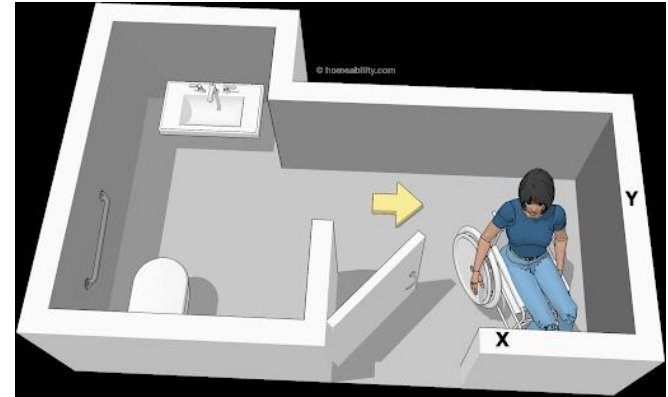


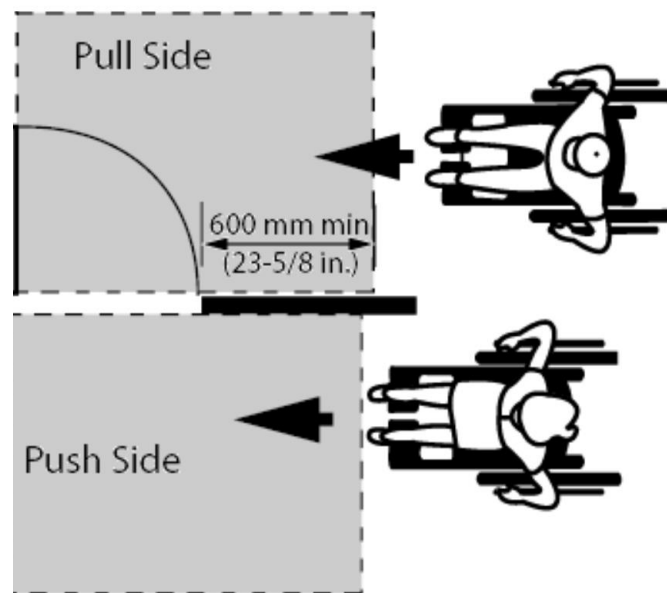
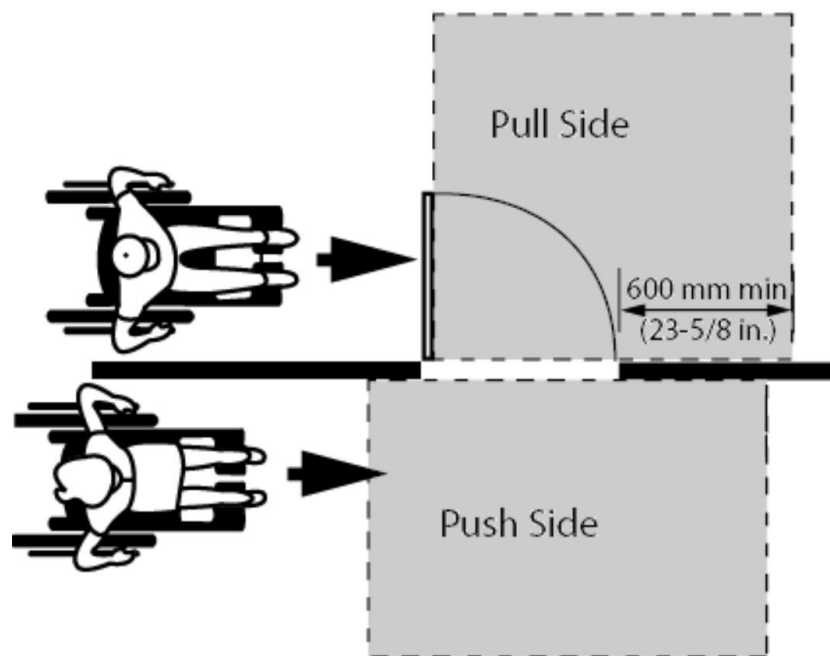
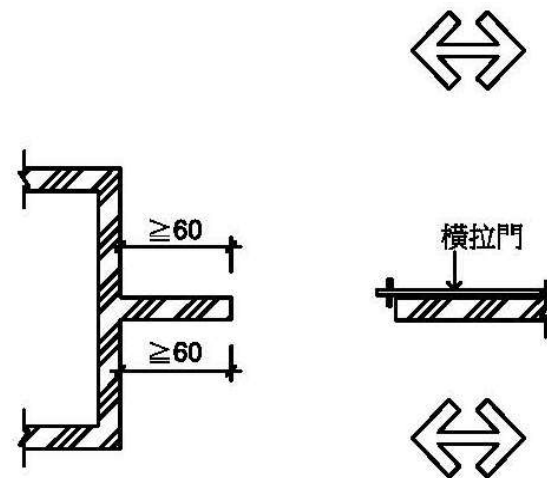
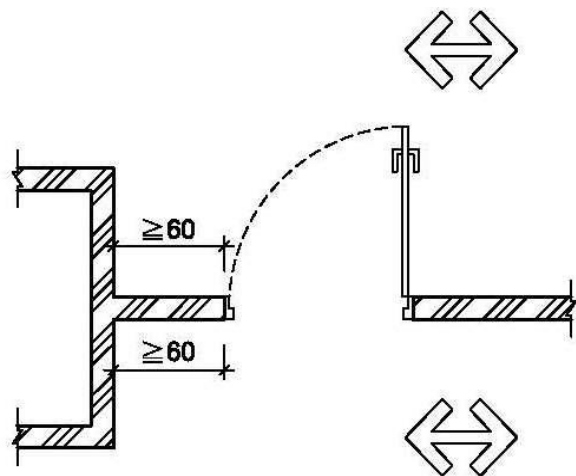


● 室內通路

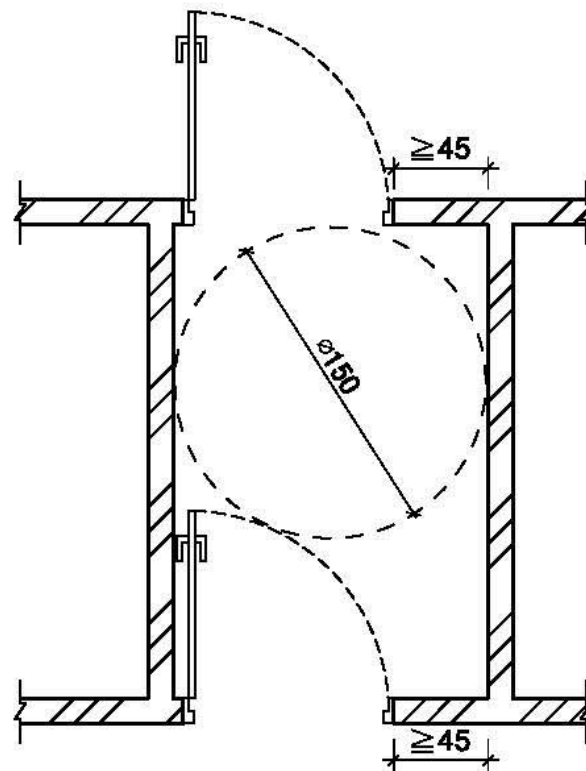
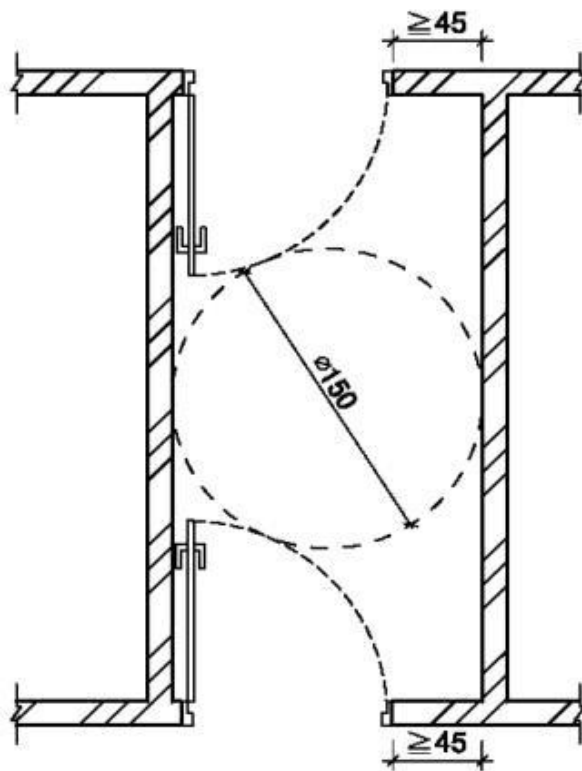
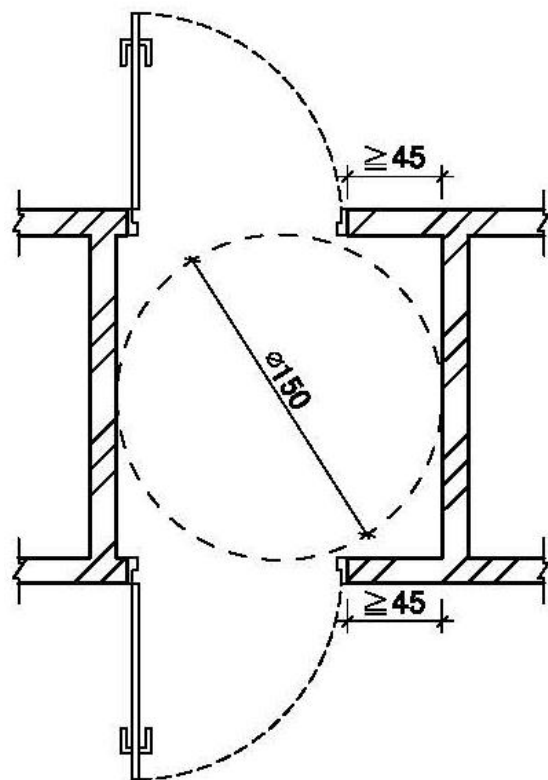


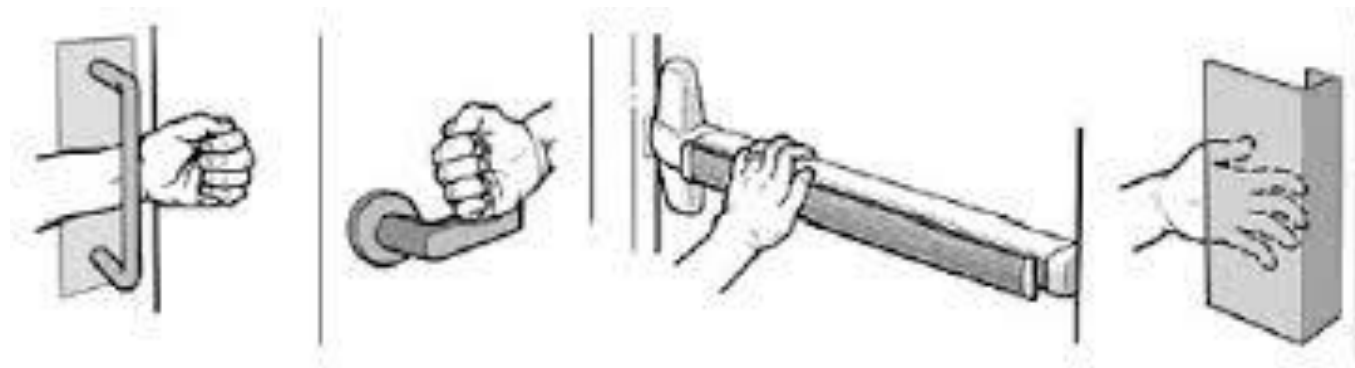




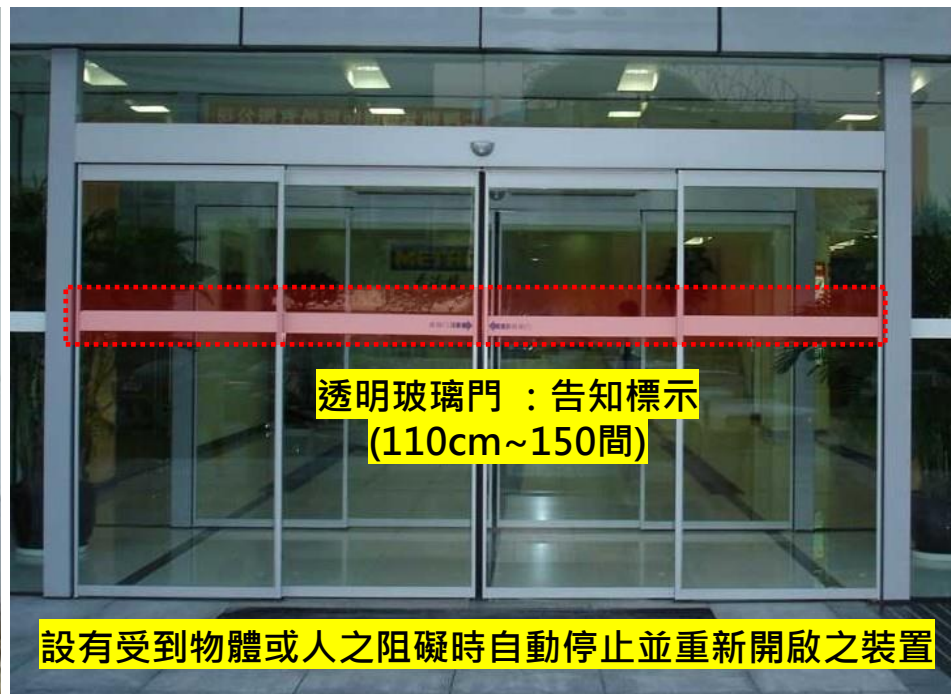


風除室

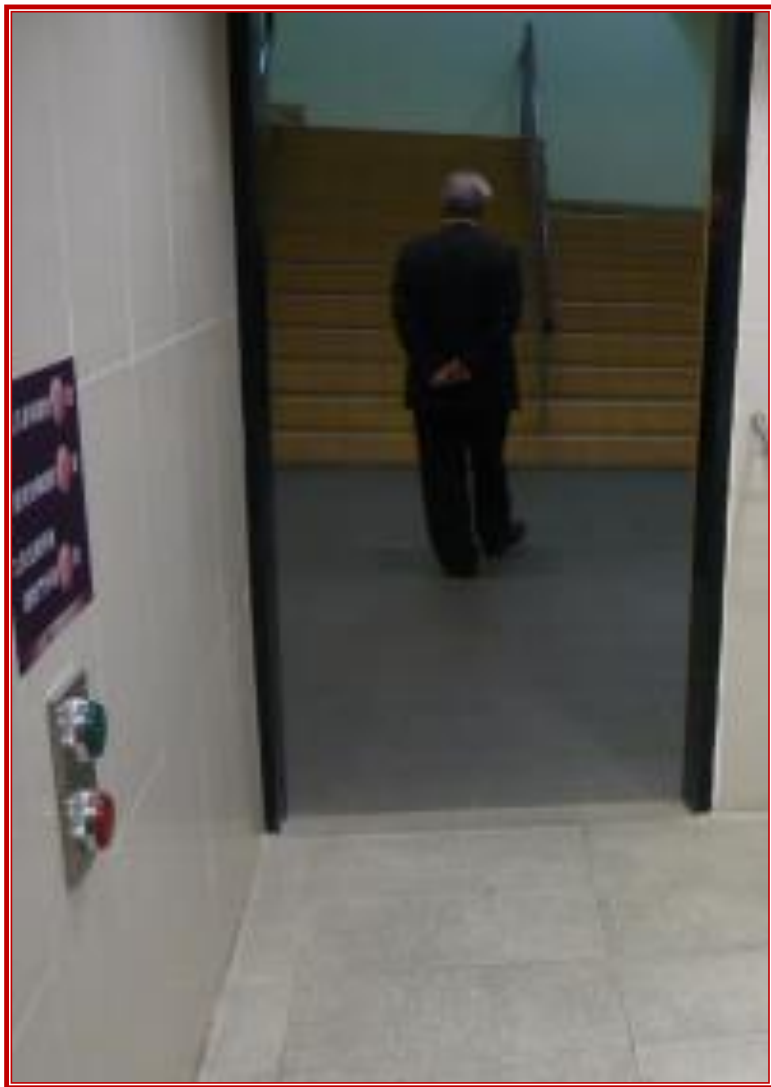




不得使用凹入式、旋鈕式把手



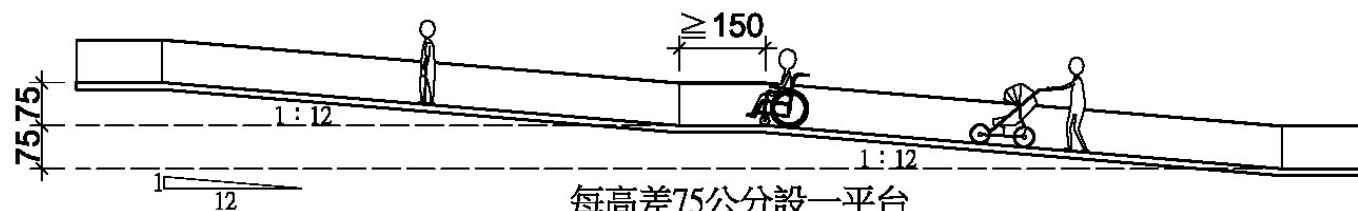
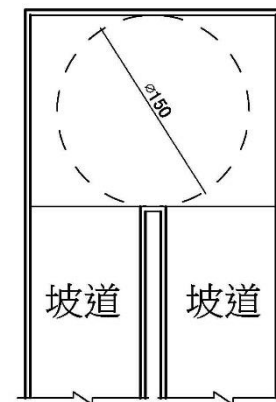
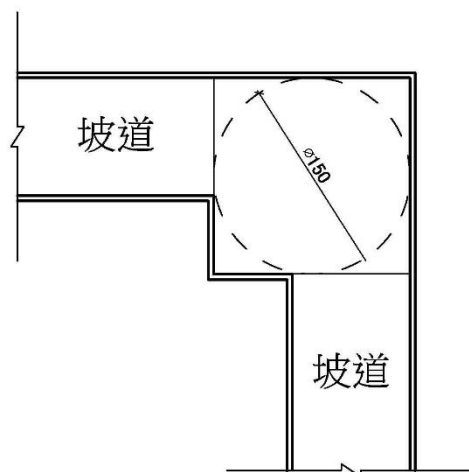
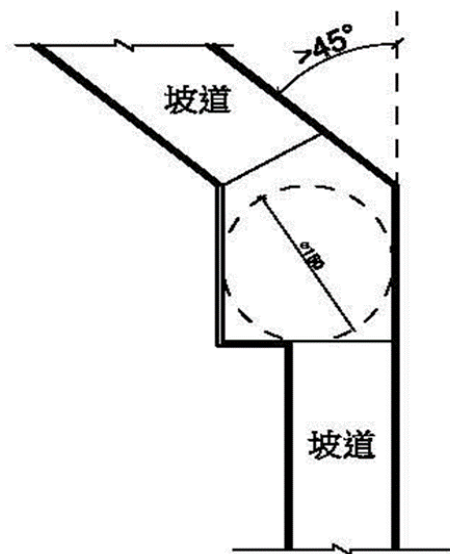
自動開關裝置時，其裝置之中心點應距地板面85公分至90公分，且距柱、牆角30公分以上。



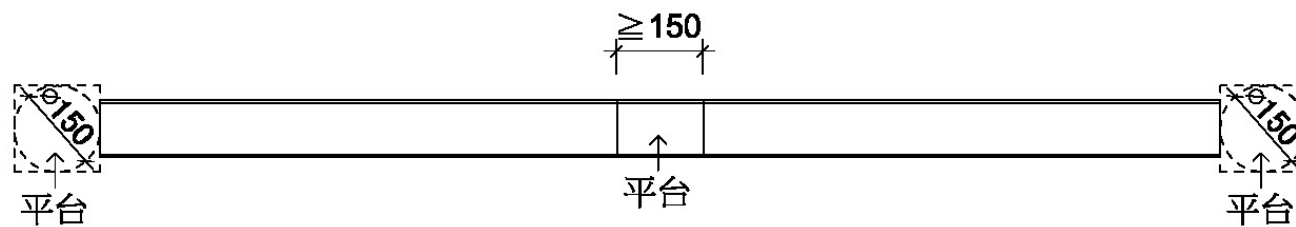
➤ **坡道** 坡度不得大於**1/12**，高低差小於20公分者酌予放寬

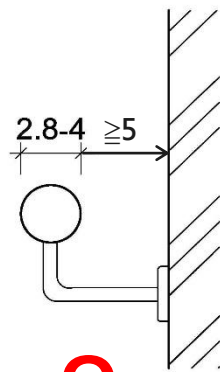
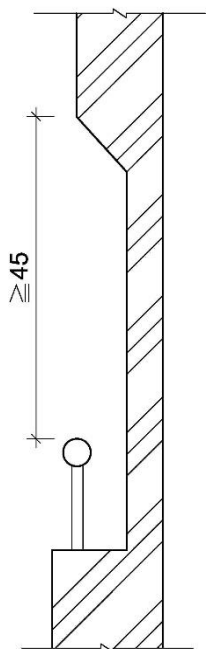
高低差	20 公分以下	5 公分以下	3 公分以下
坡度	1/10	1/5	1/2



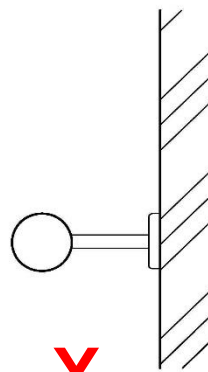


立面

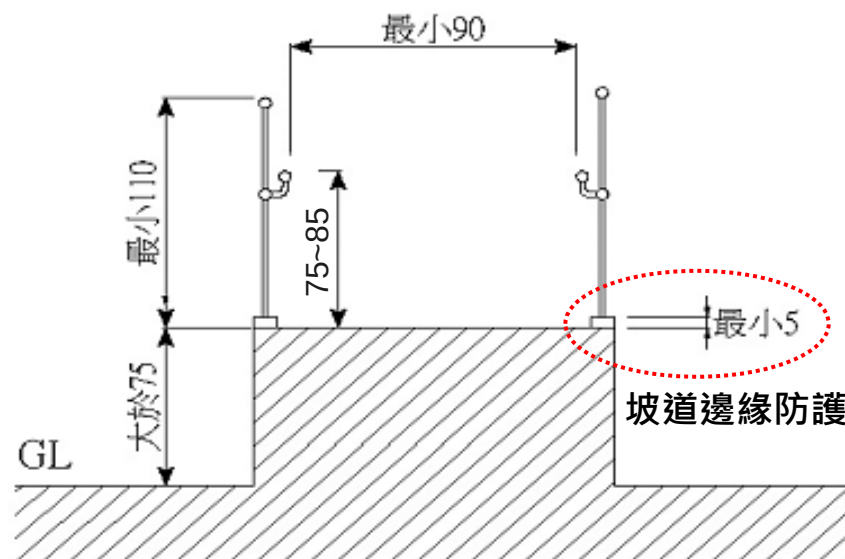
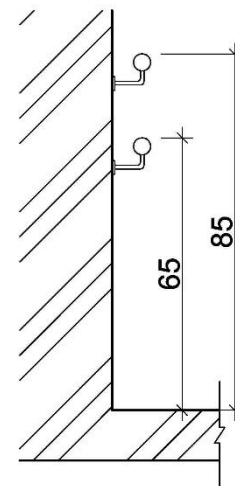


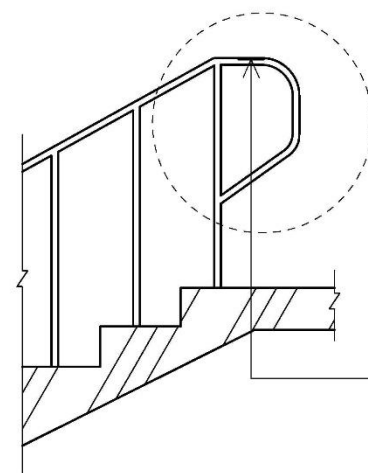
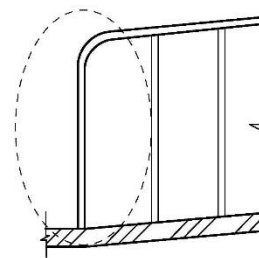


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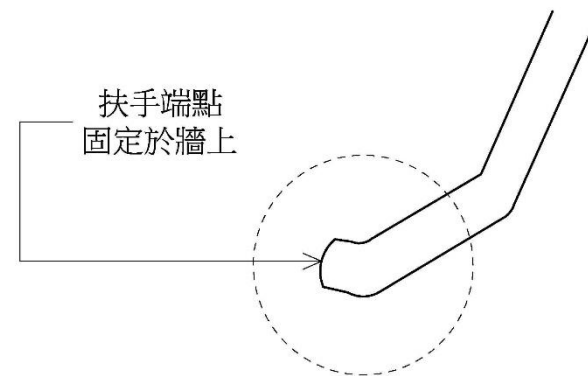


X





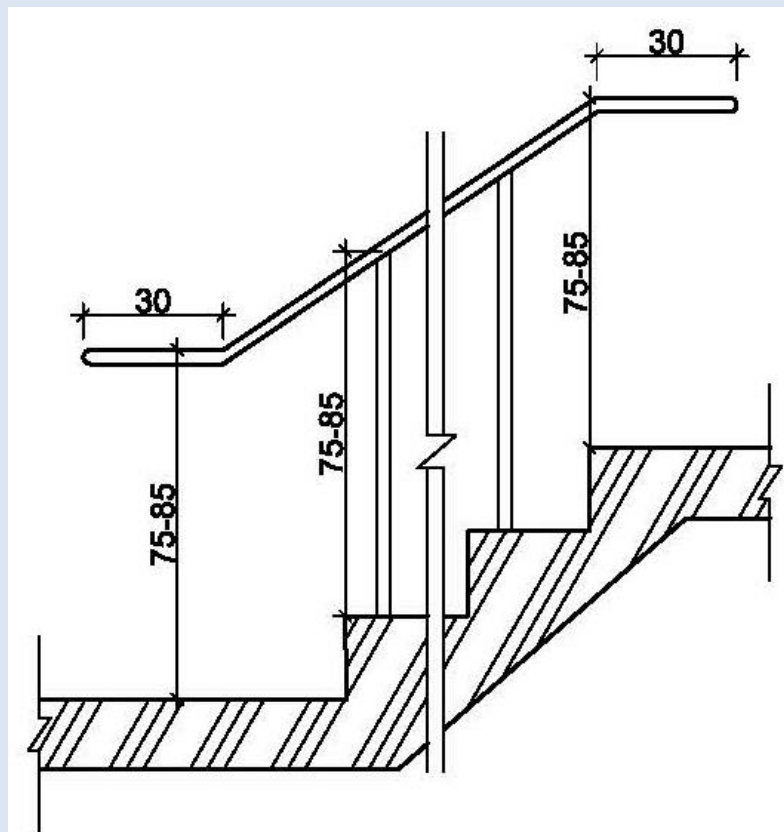
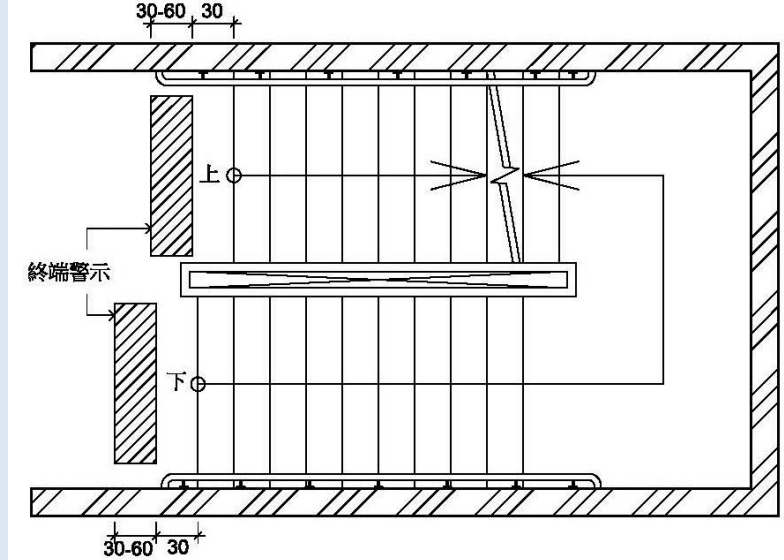
視需要放置視障者
辨識之資訊或點字

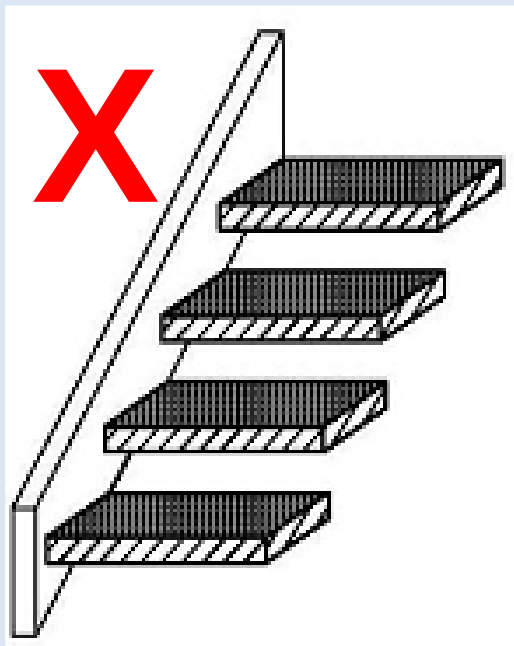


扶手端點
固定於牆上

➤ 無障礙樓梯







防滑條顏色應與踏面有明顯不同
且應順平

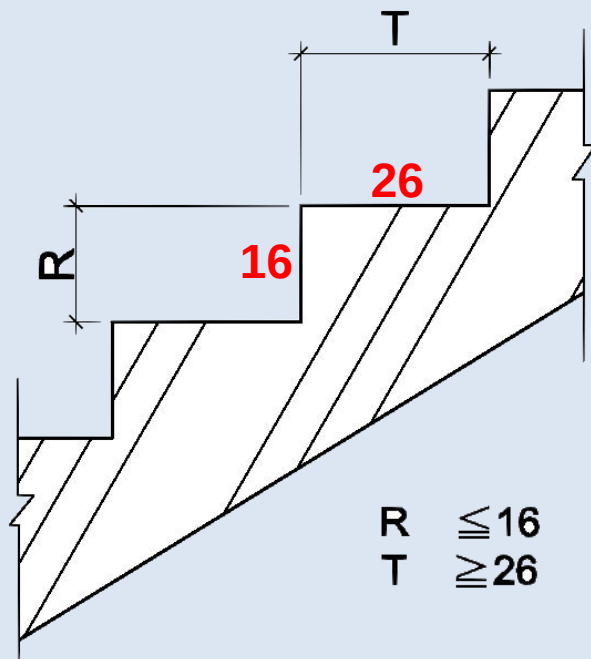
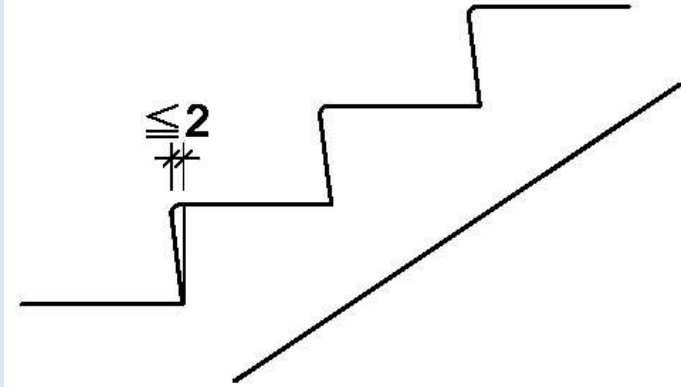
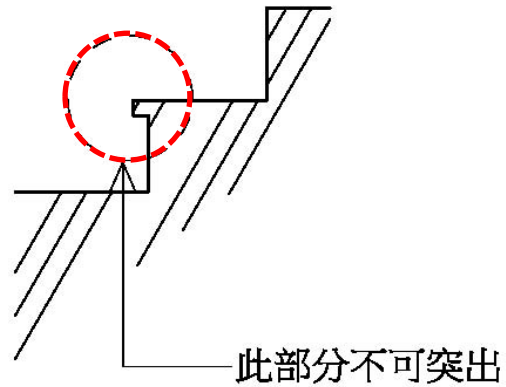
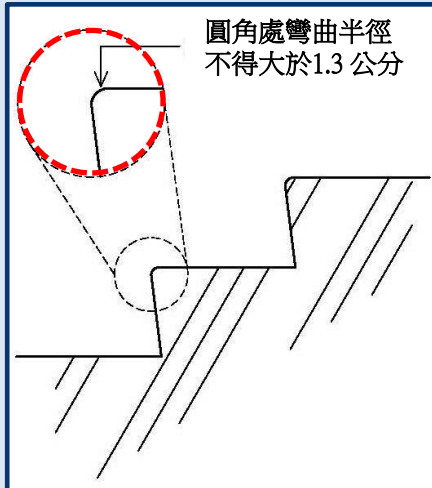


梯級未鄰接牆壁部份，應設置高出
梯級5公分以上之防護緣

2011/09/01



終端警示設施

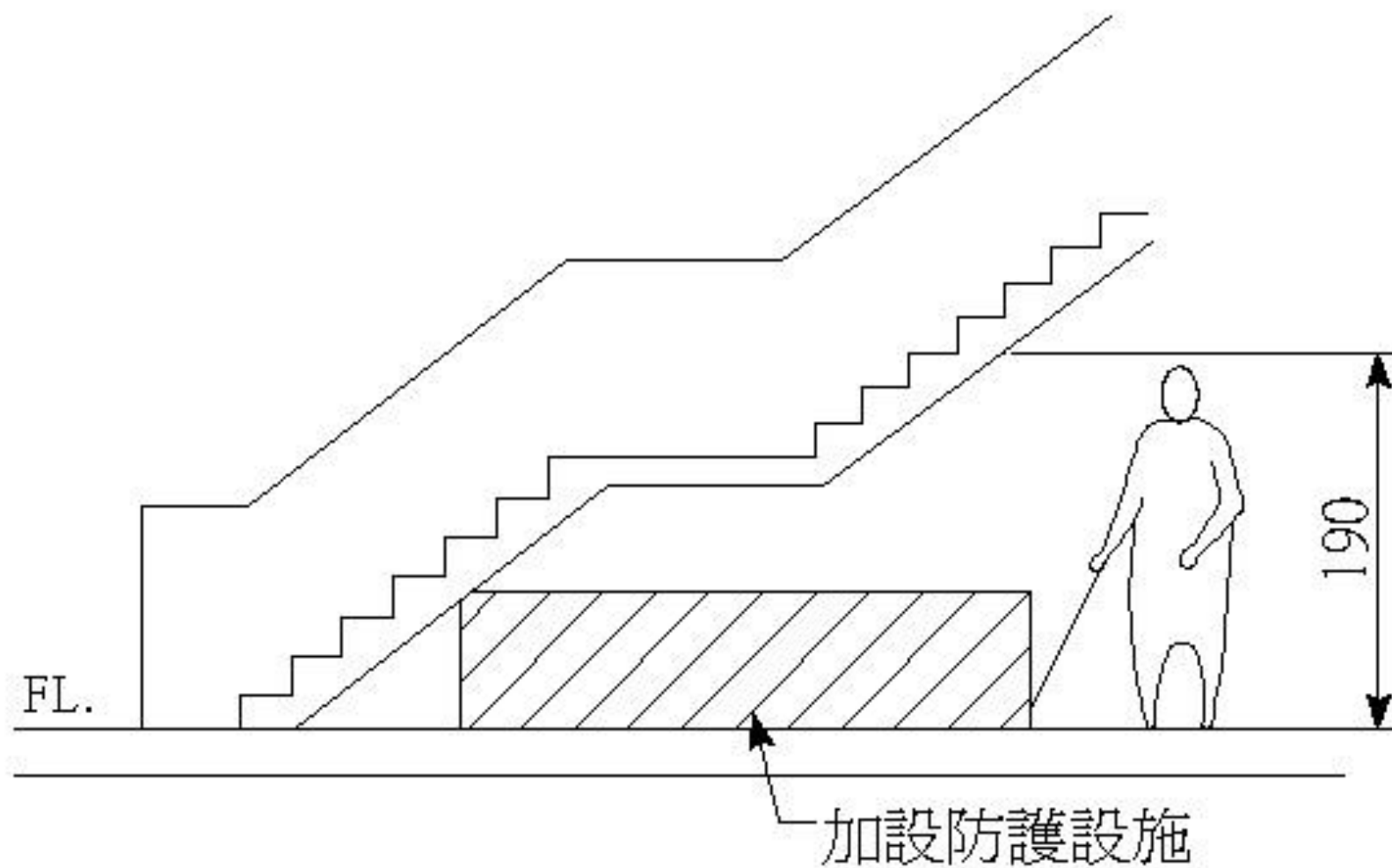


$$55\text{公分} \leq 2R + T \leq 65\text{公分}$$

樓梯上所有梯級之級高及級深應統一



樓梯平台：不得有梯級或高低差





$H \geq 190$

● 戶外平台階梯



第三章 樓梯

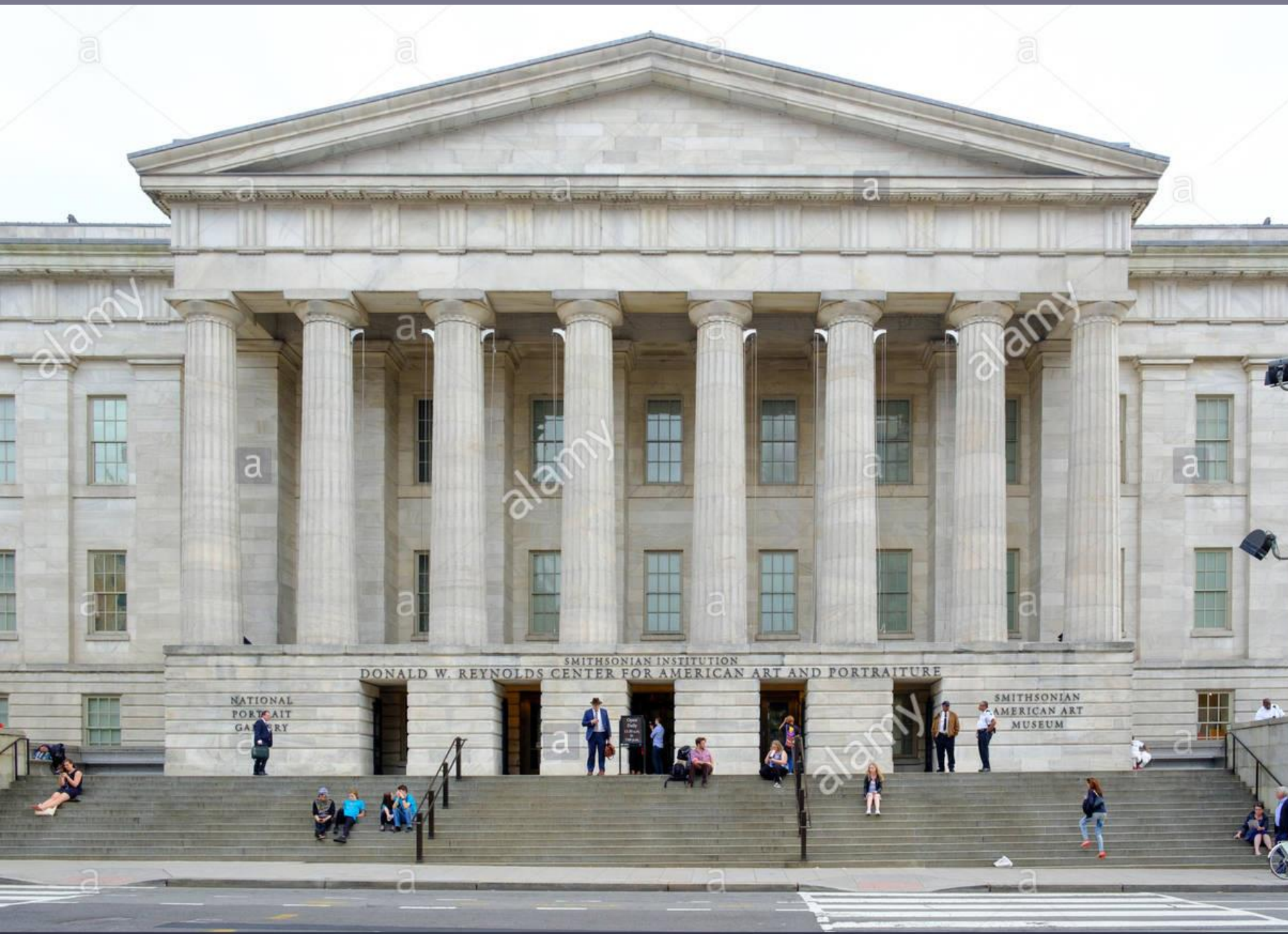
301 適用範圍:建築物依規定應設置無障礙樓梯者，其設計應符合本章規定
307 戶外平台階梯之寬度在6公尺以上者，應於中間加裝扶手，級高之設置應符合本規範304.1之規定，扶手之設置應符合本規範305節之規定。

□ 戶外平台階梯中間扶手

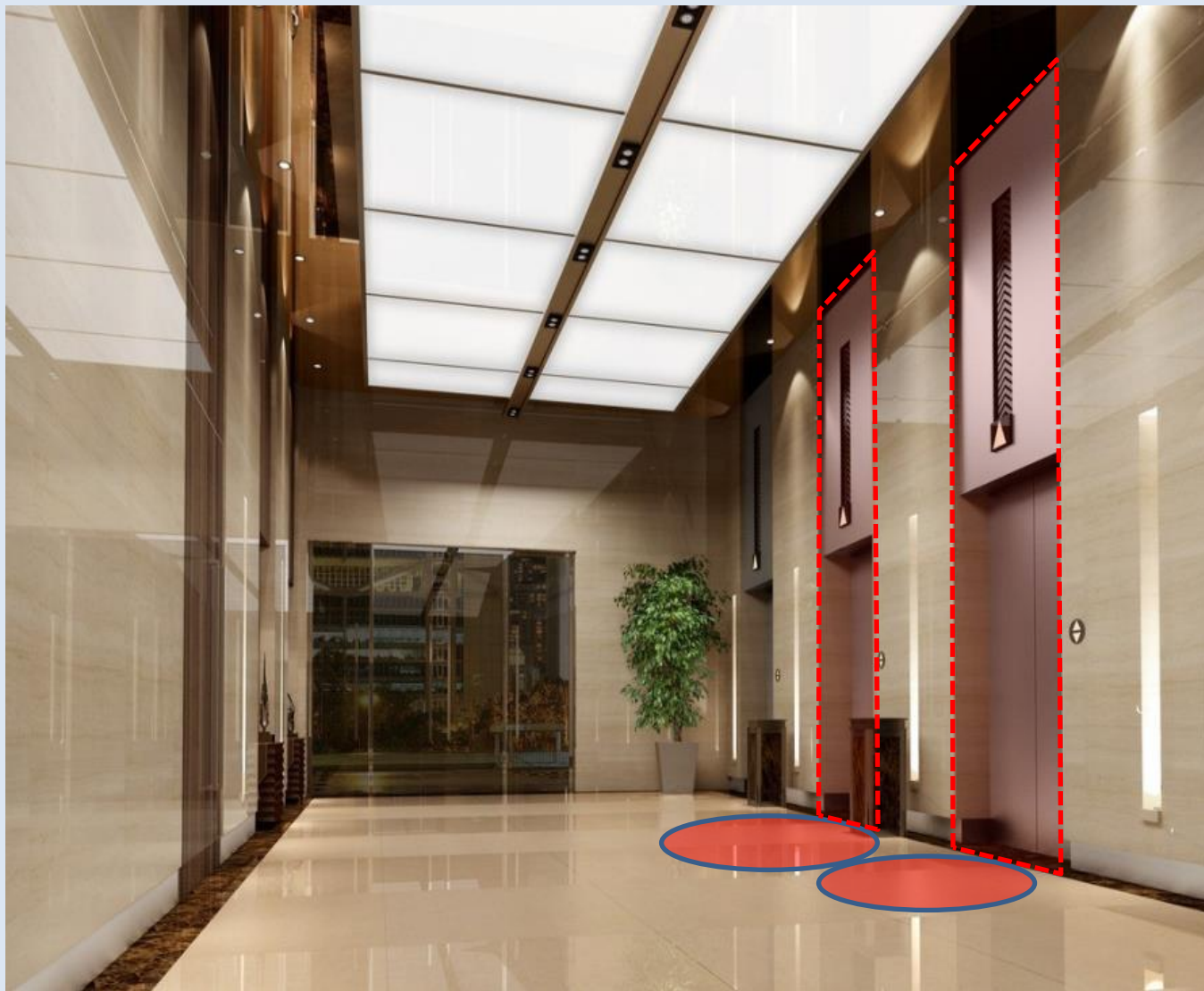
內政部110.2.18內授營建管字第1100802256號函

關於建築物無障礙設施設計規範第3章樓梯307戶外平台階梯中間扶手設置事宜

探究本規範307戶外平台階梯之訂定原意，中間扶手設置目的係為輔助行動不便者於戶外平台階梯上下移動，且僅明定戶外平台階梯之寬度在6公尺以上者，應於中間加裝扶手，尚無明定該扶手應置中設置或每6公尺應加設1座扶手，其設置位置得配合建築物使用需求進行調整。



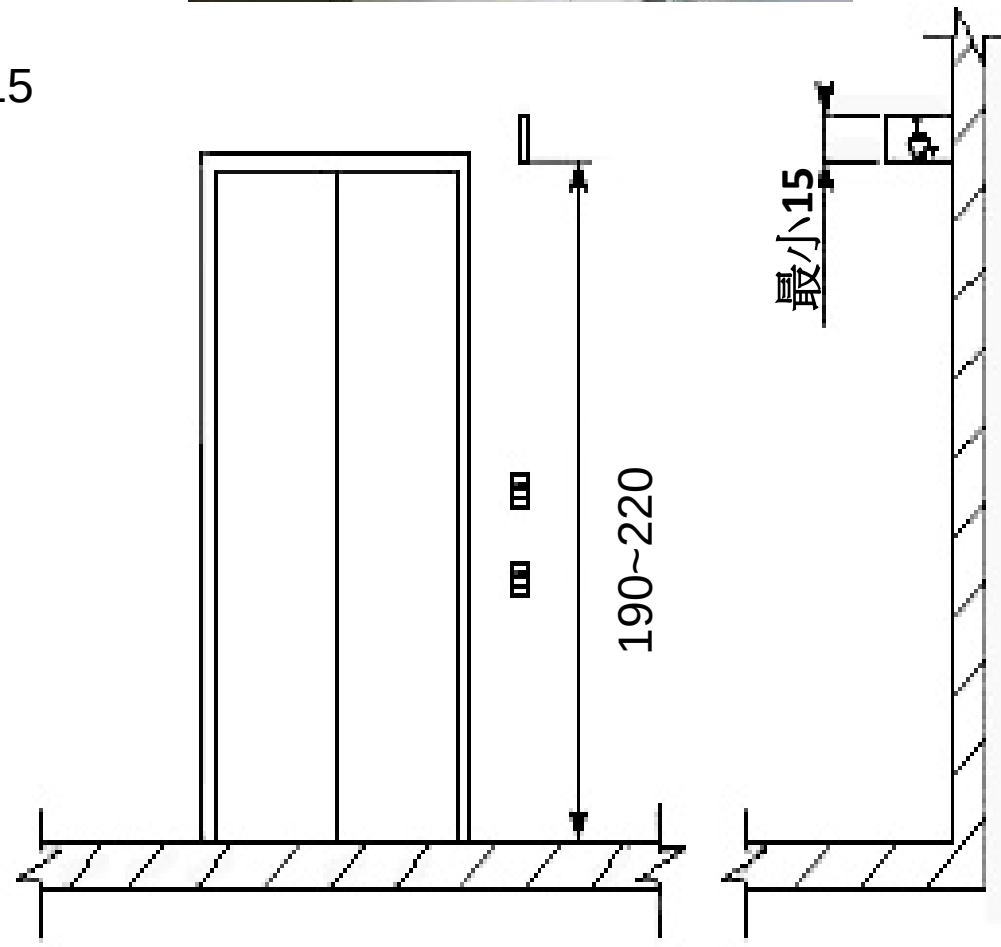
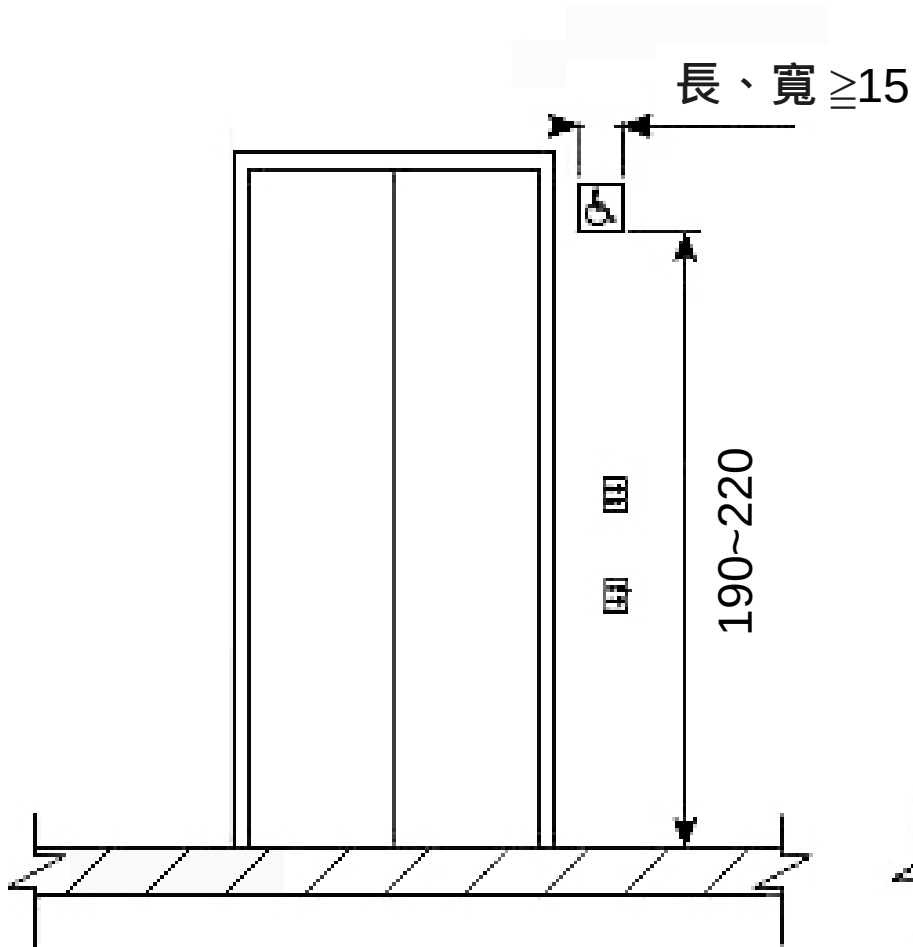
➤ 昇降設備

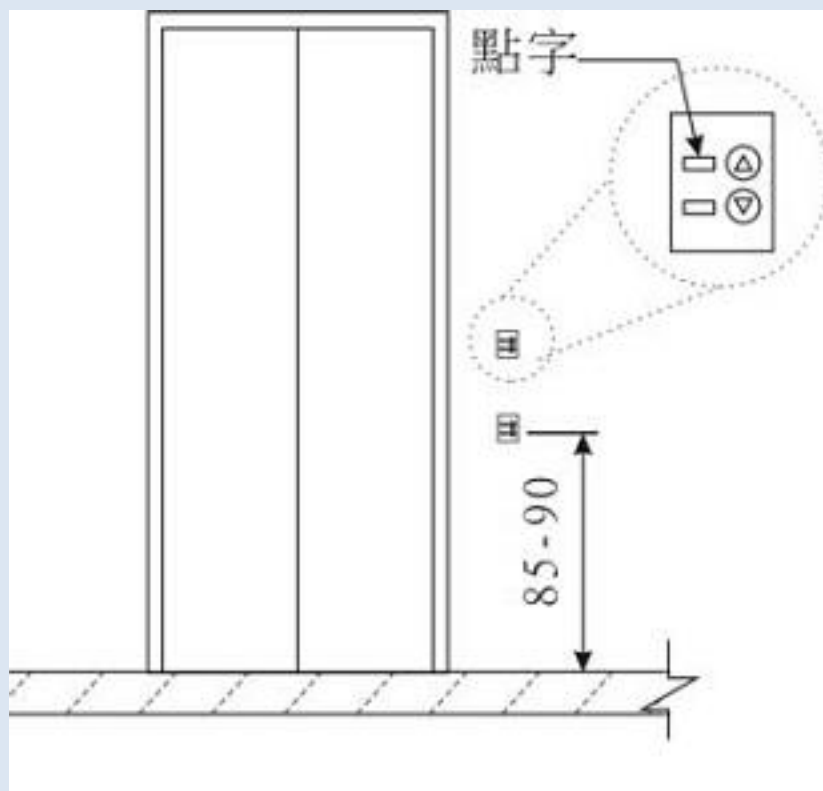


群管理：

無障礙升降機與之一般升降機呼叫按鈕必須分別設置。

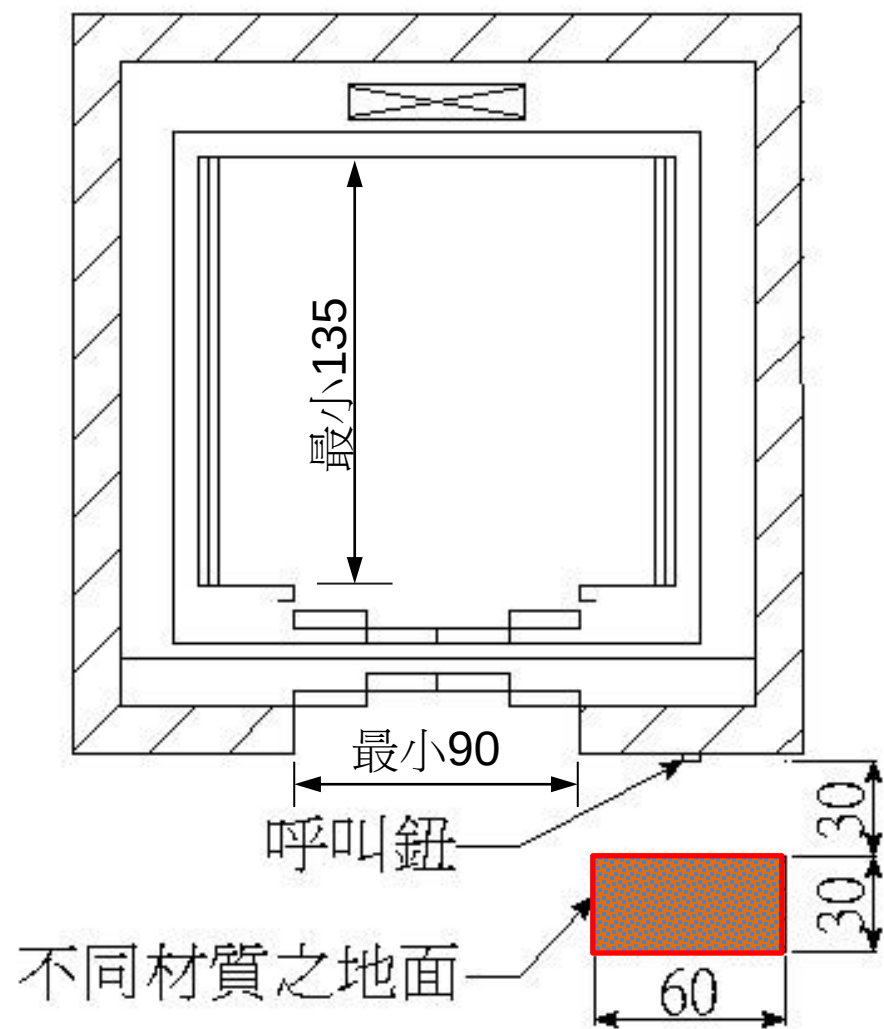
得以相鄰兩座無障礙升降機為群管理控制。



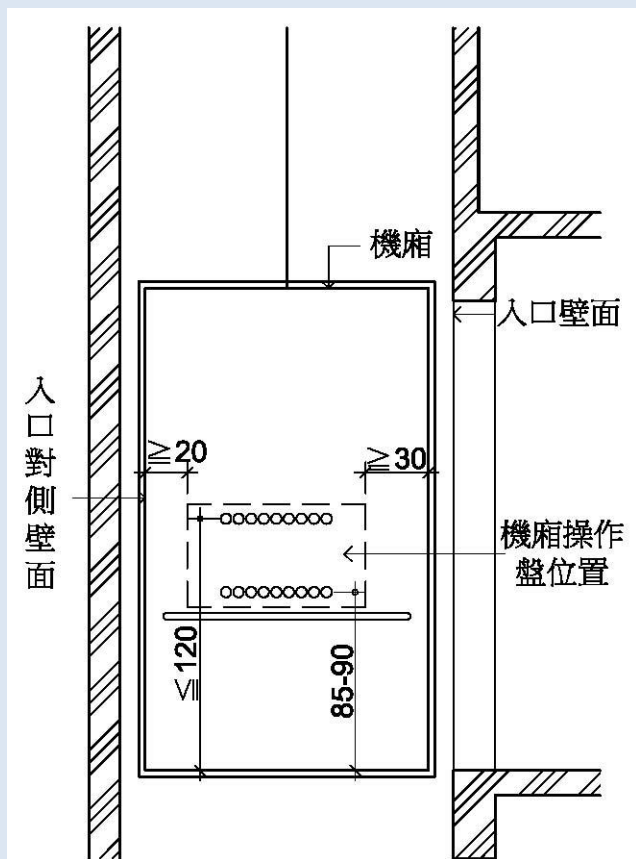
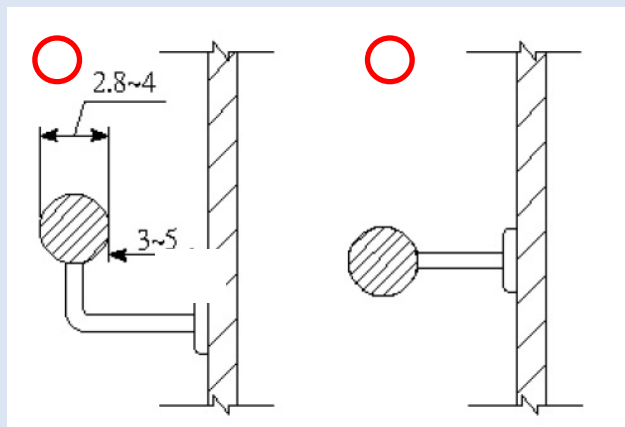




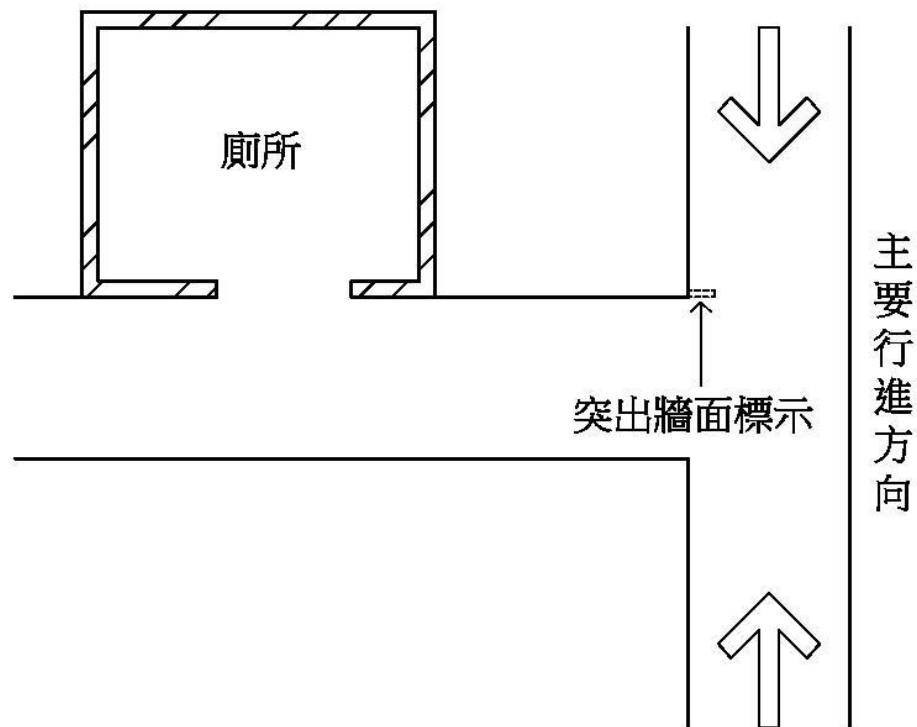
2013/09/03





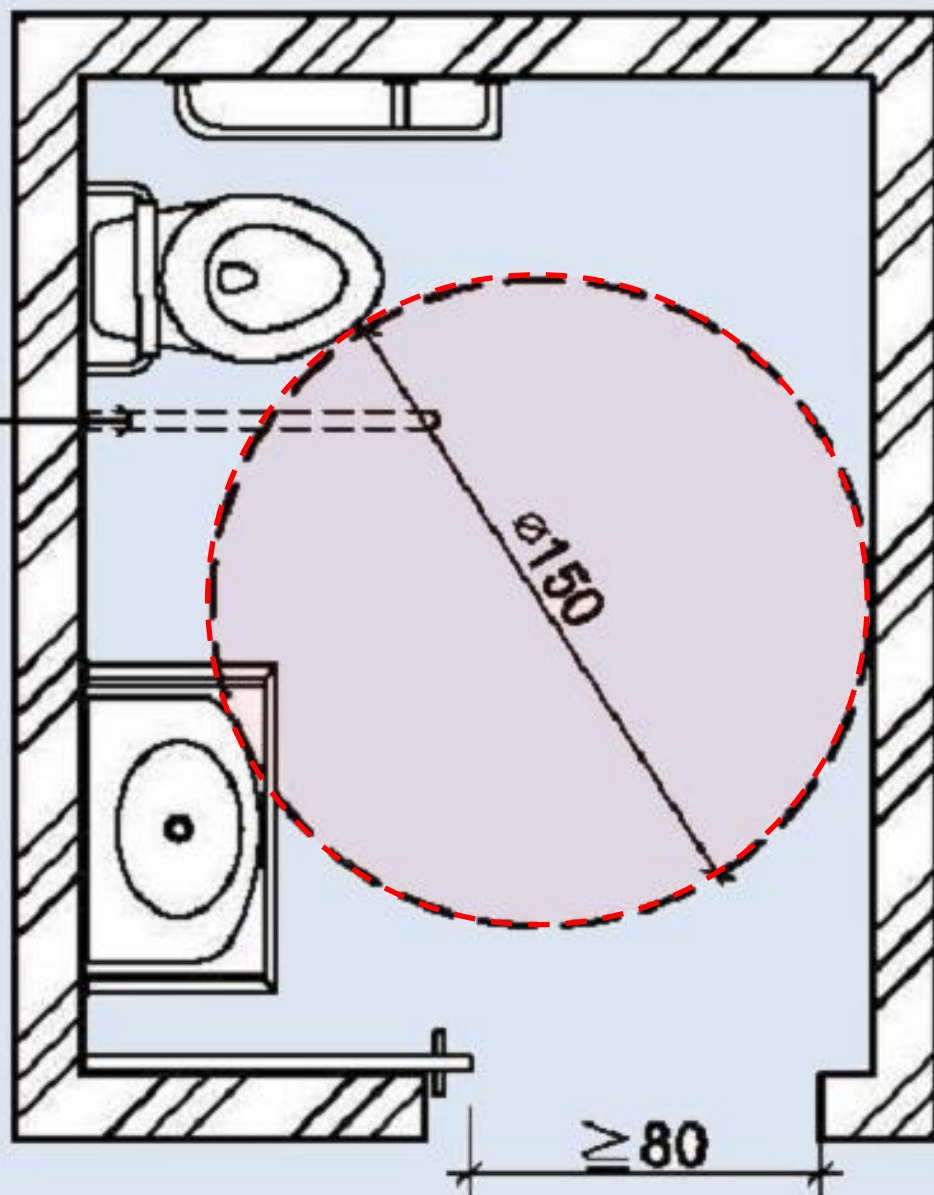


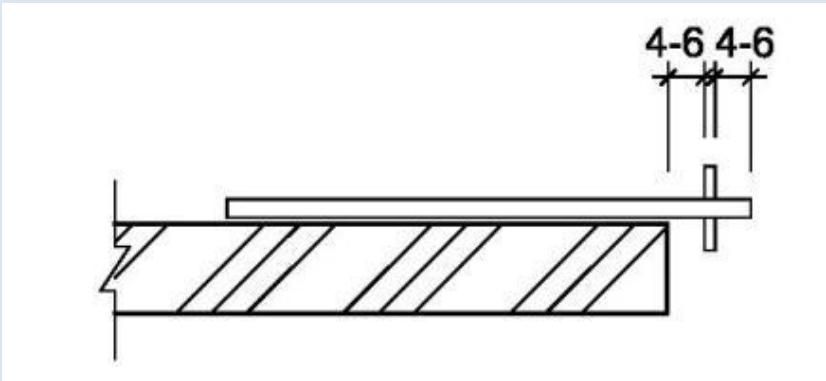
➤ 廁所盥洗室



牆壁或門上應設置無障礙標誌，如主要通路走廊與廁所盥洗室開門方向平行，則應另設置垂直於牆面之無障礙標誌。

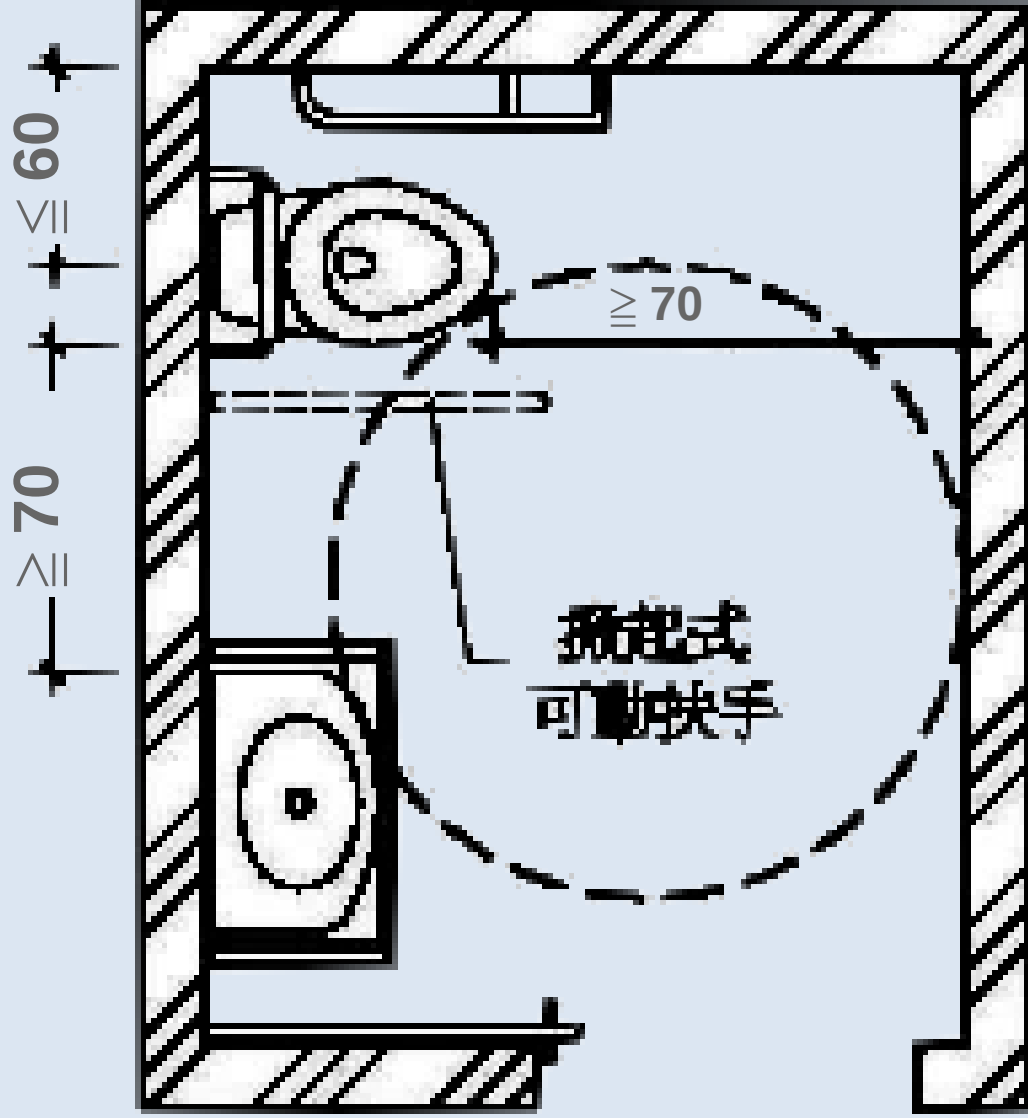
掀起式
可動扶手

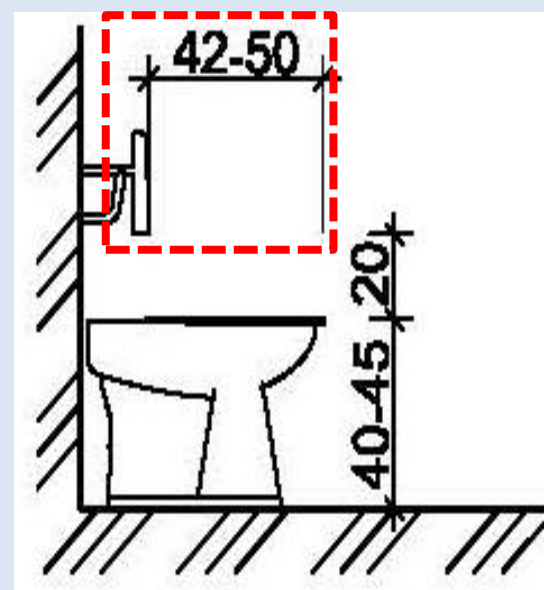
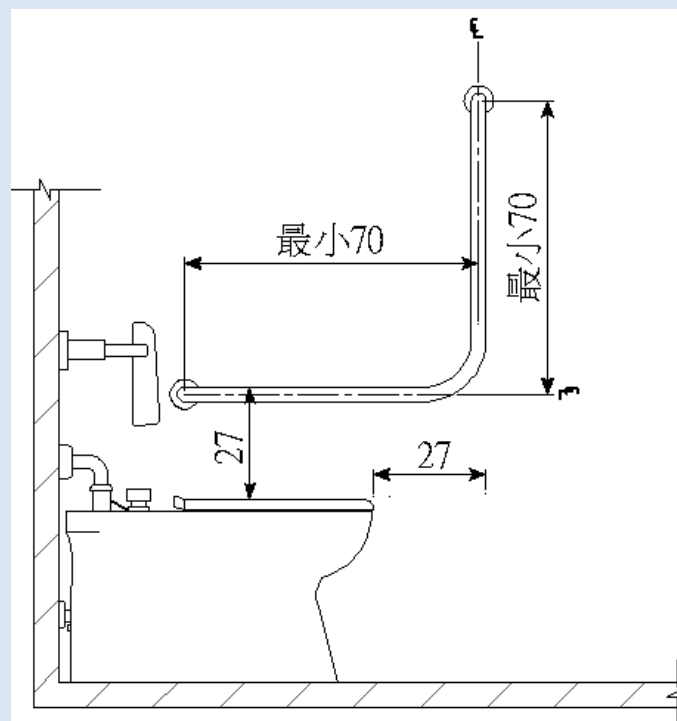
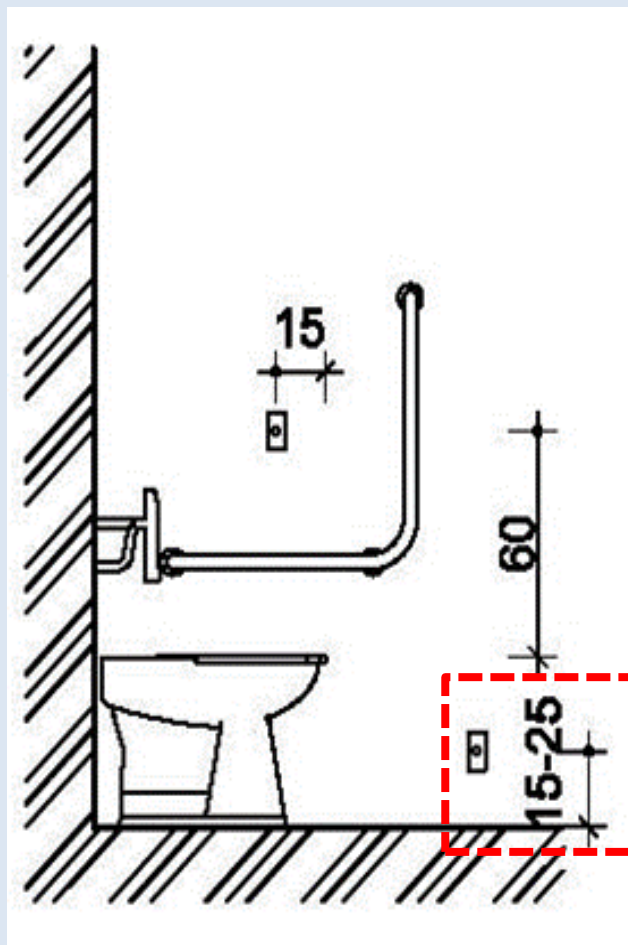








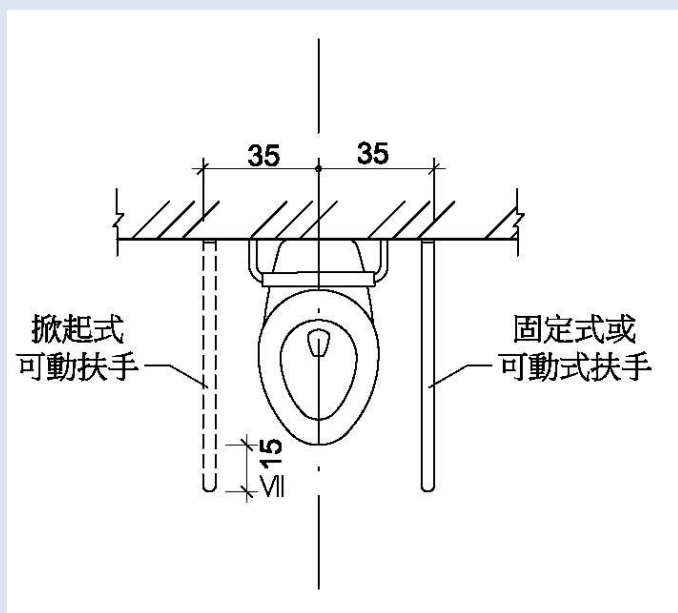




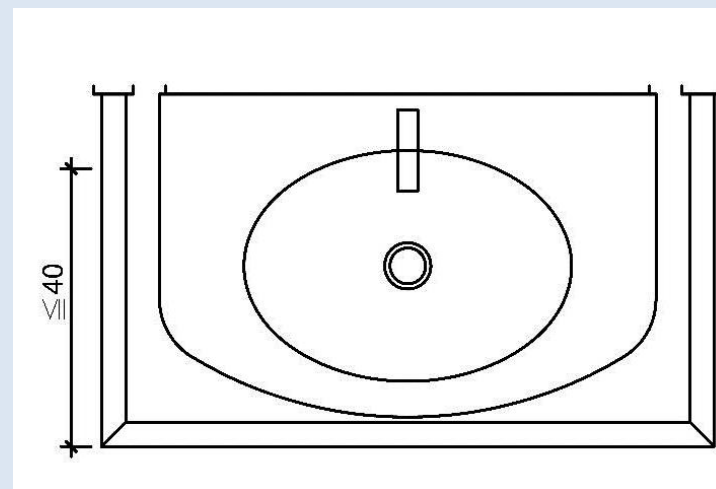
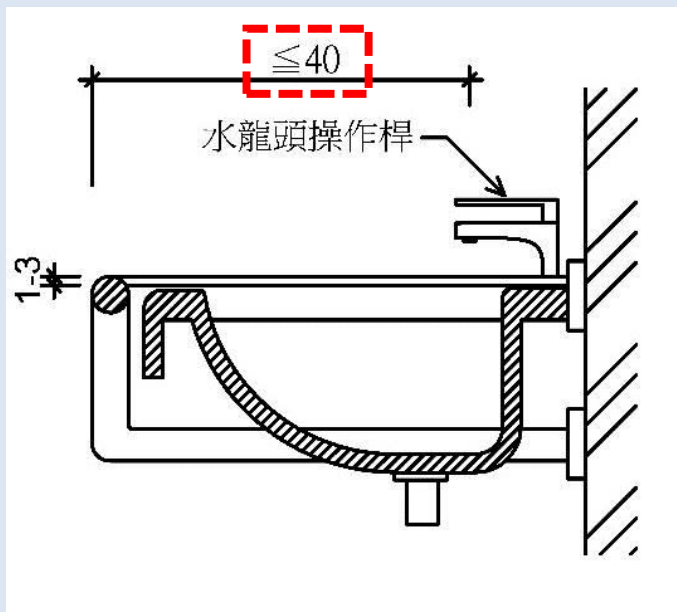
求助鈴
非常危險請勿使用
(本設備非沖水機)

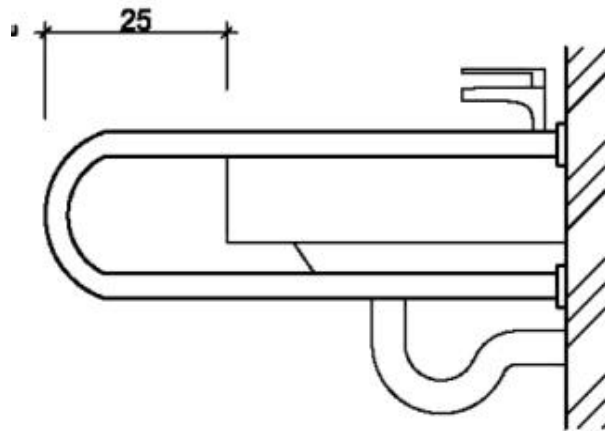
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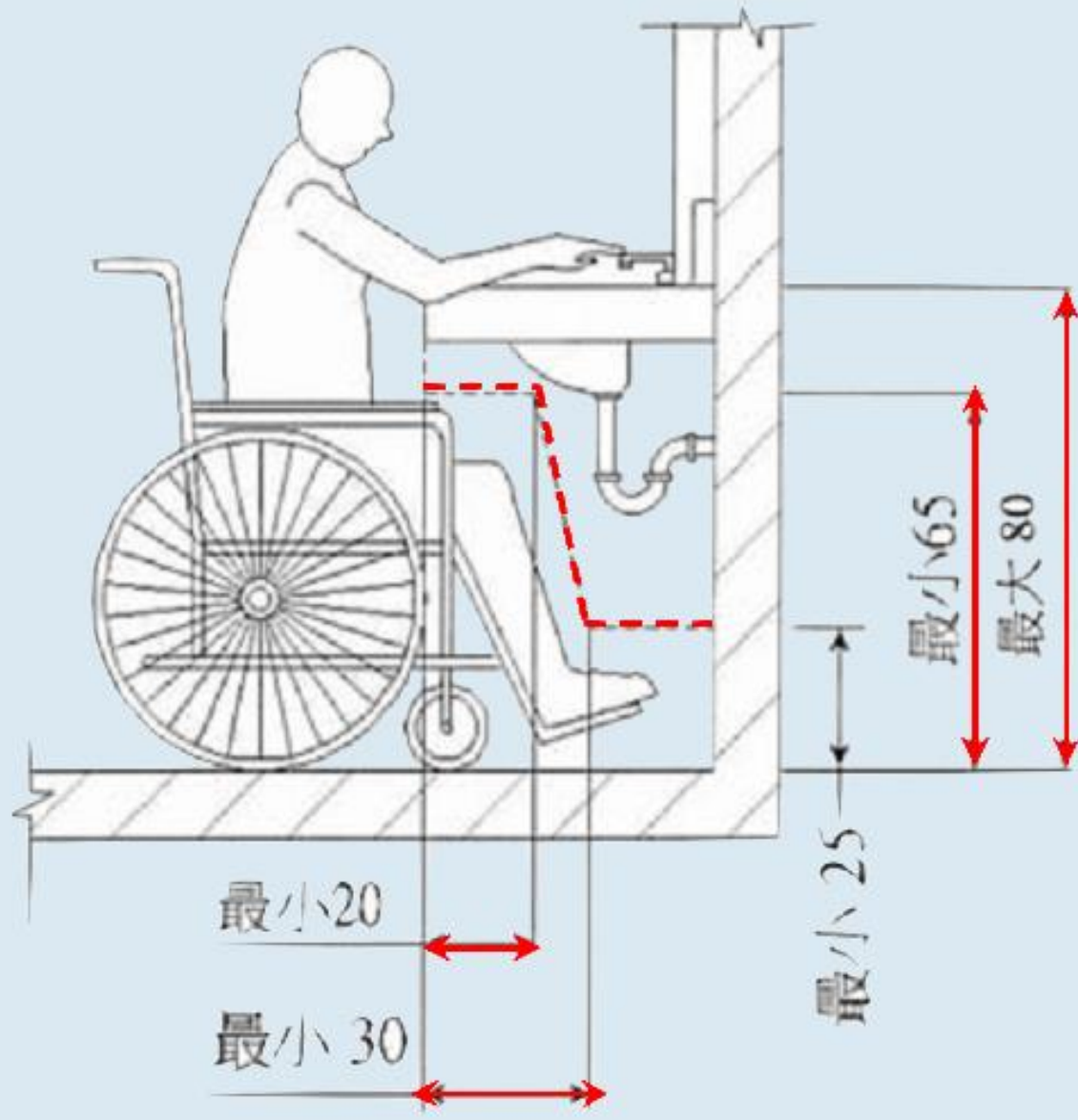


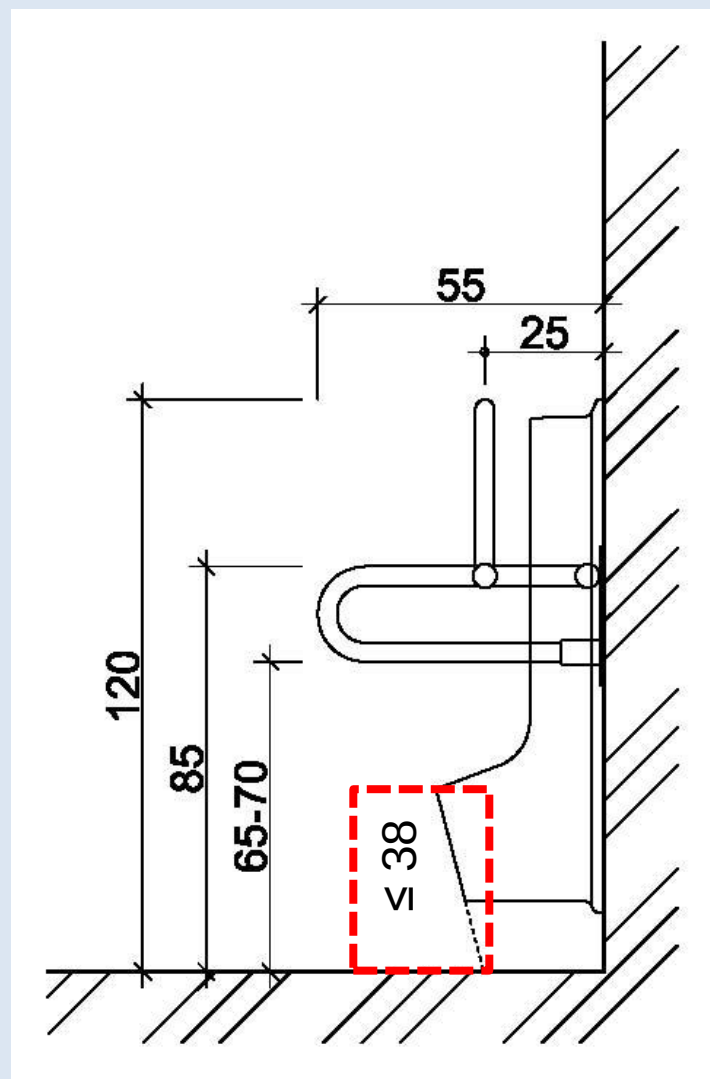
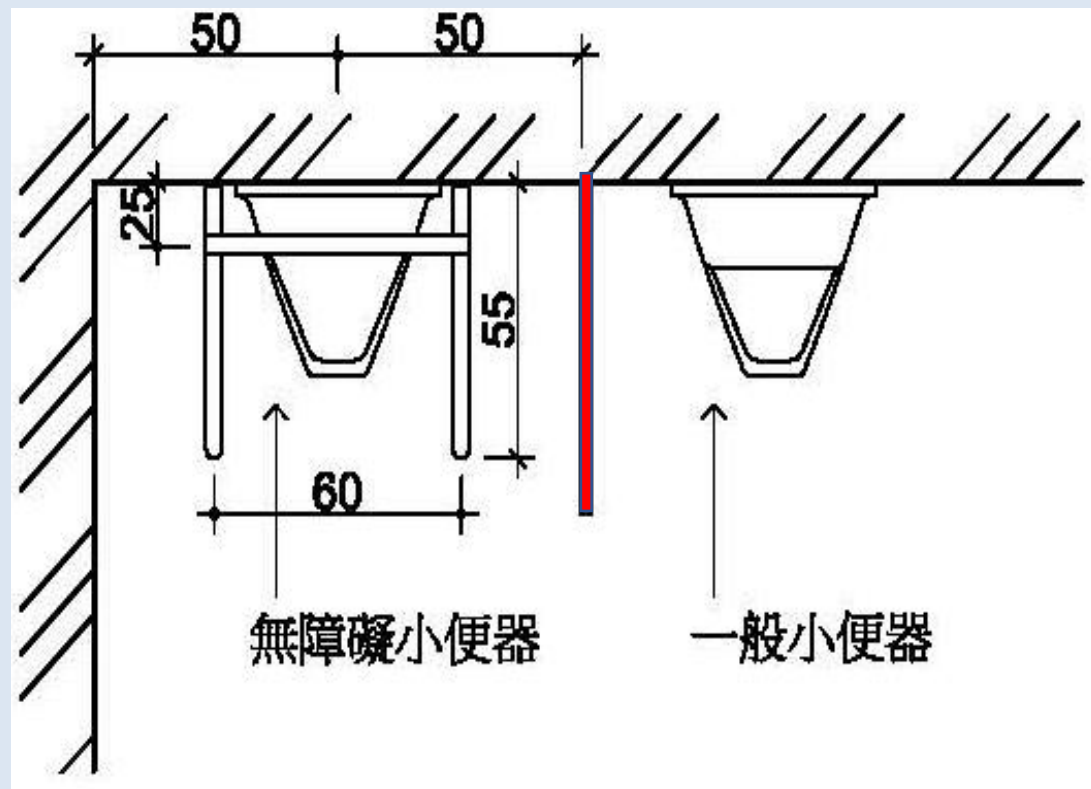








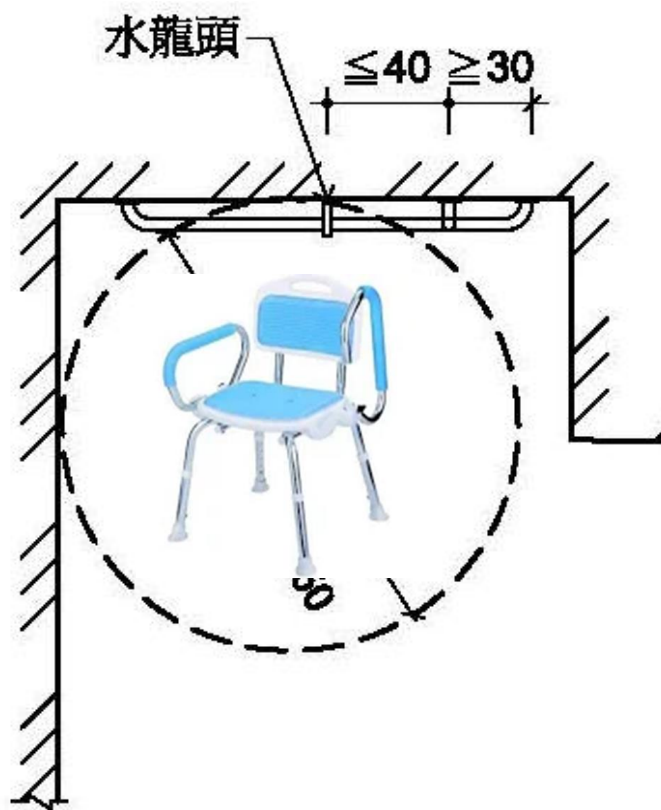




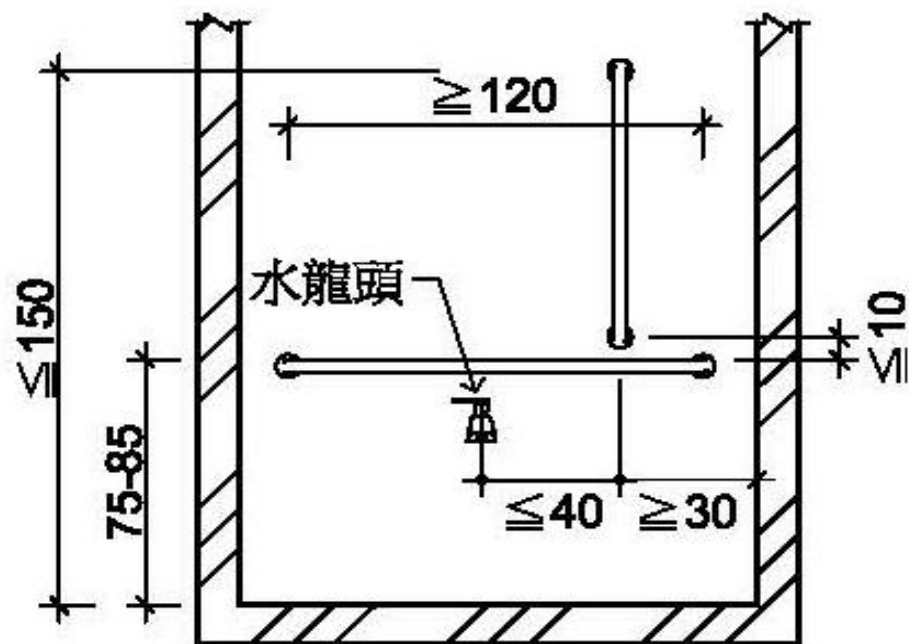




浴室

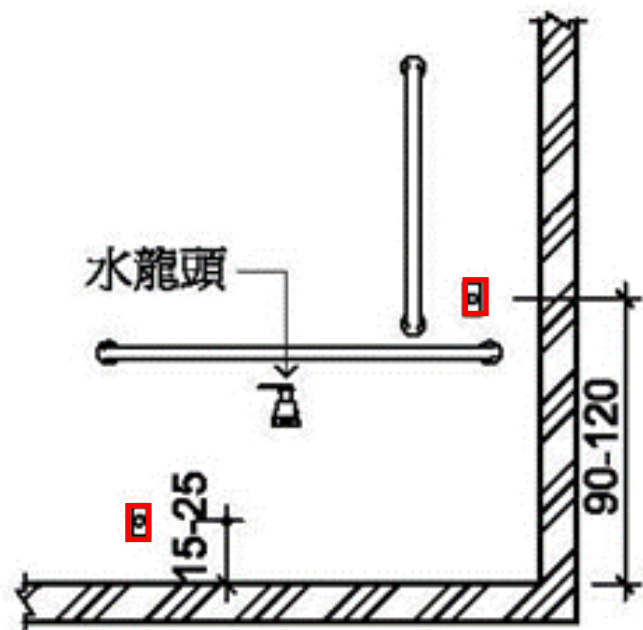


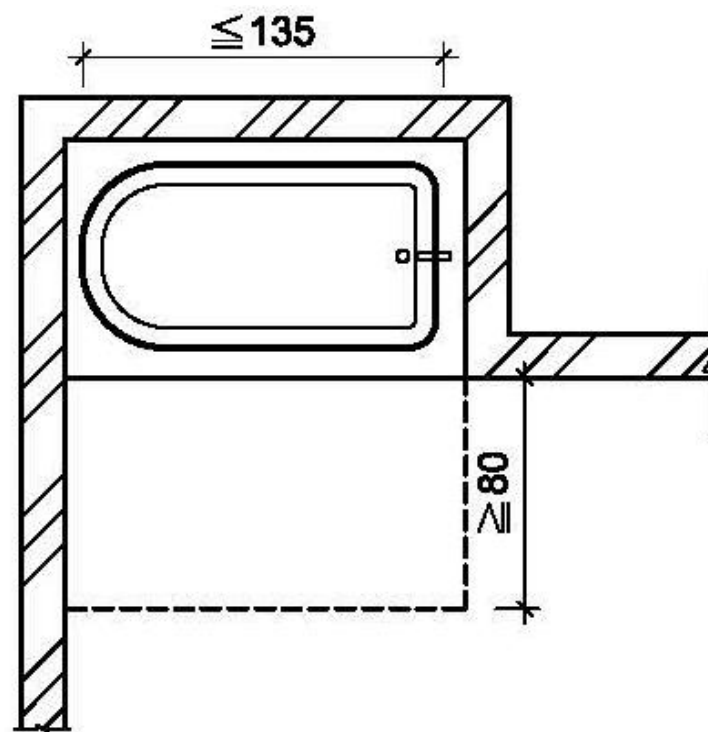
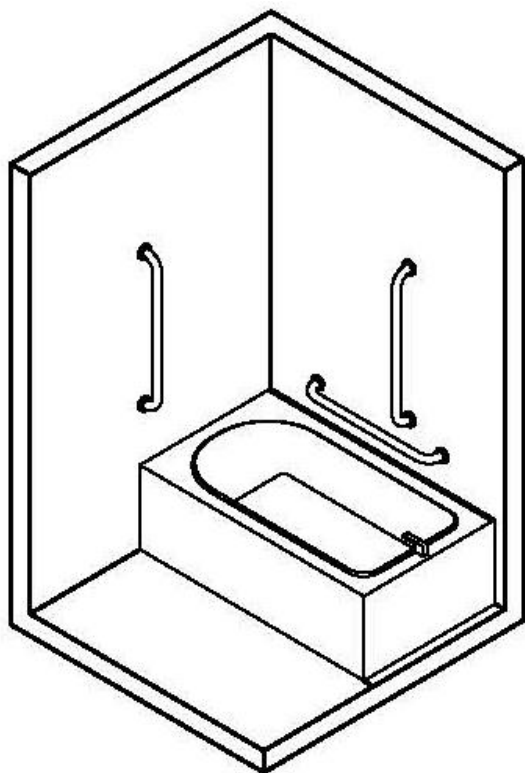
平面

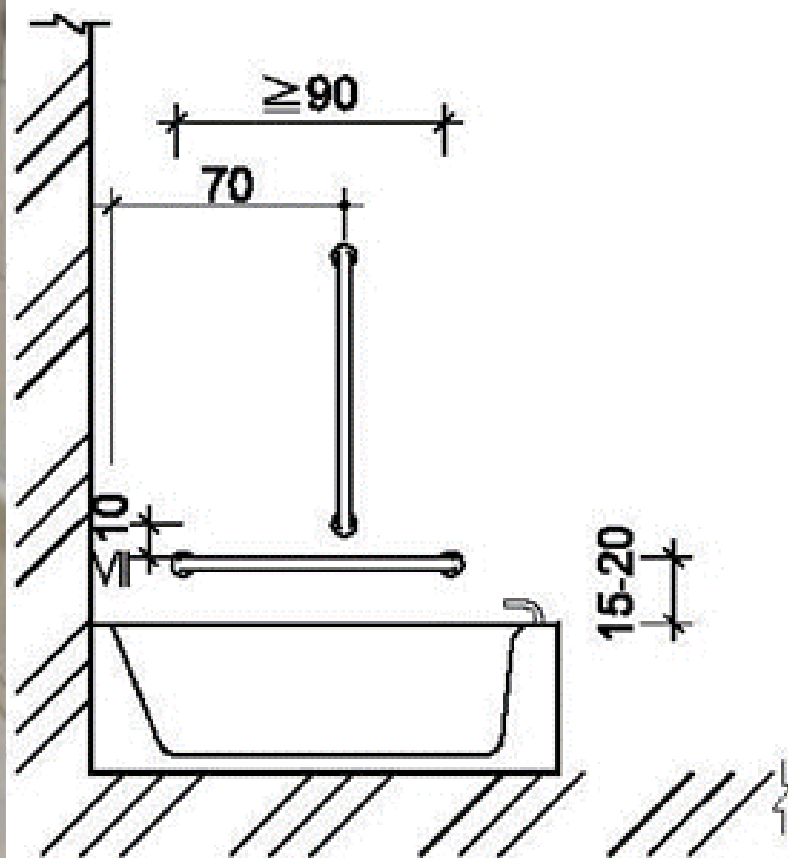


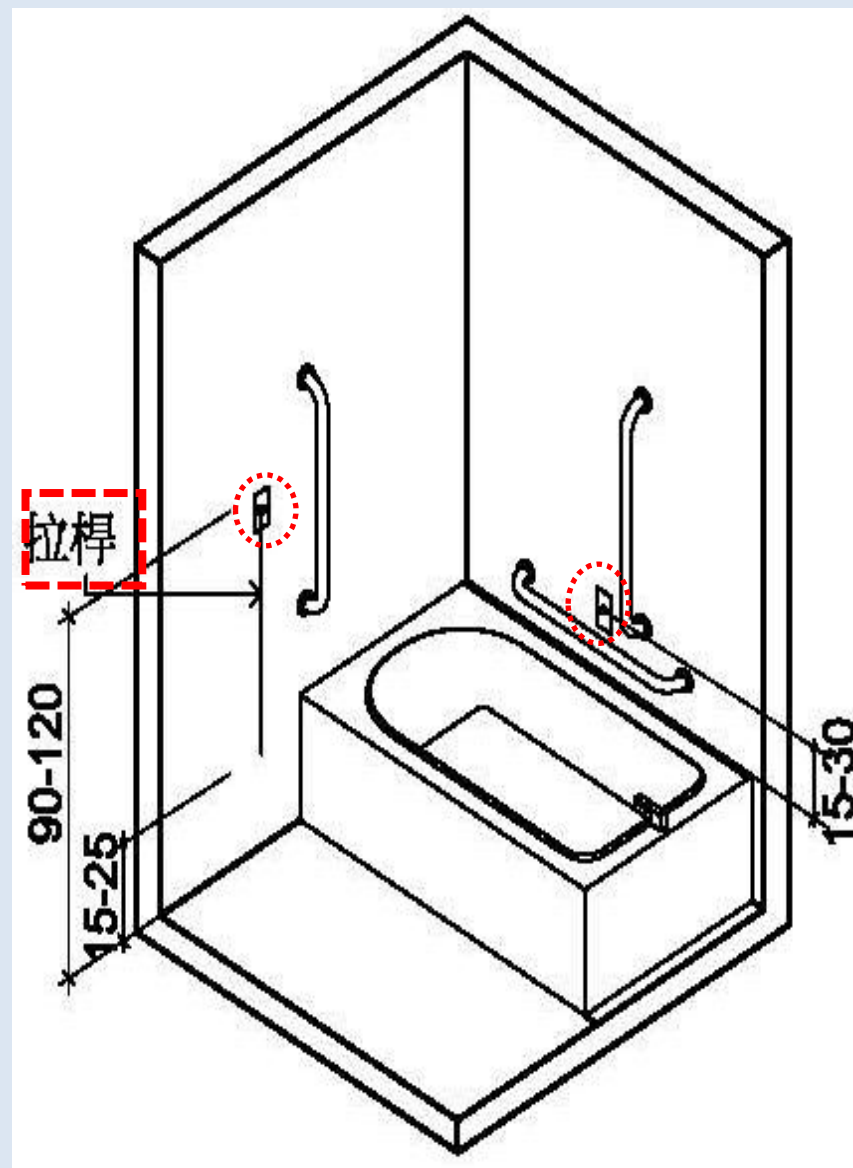
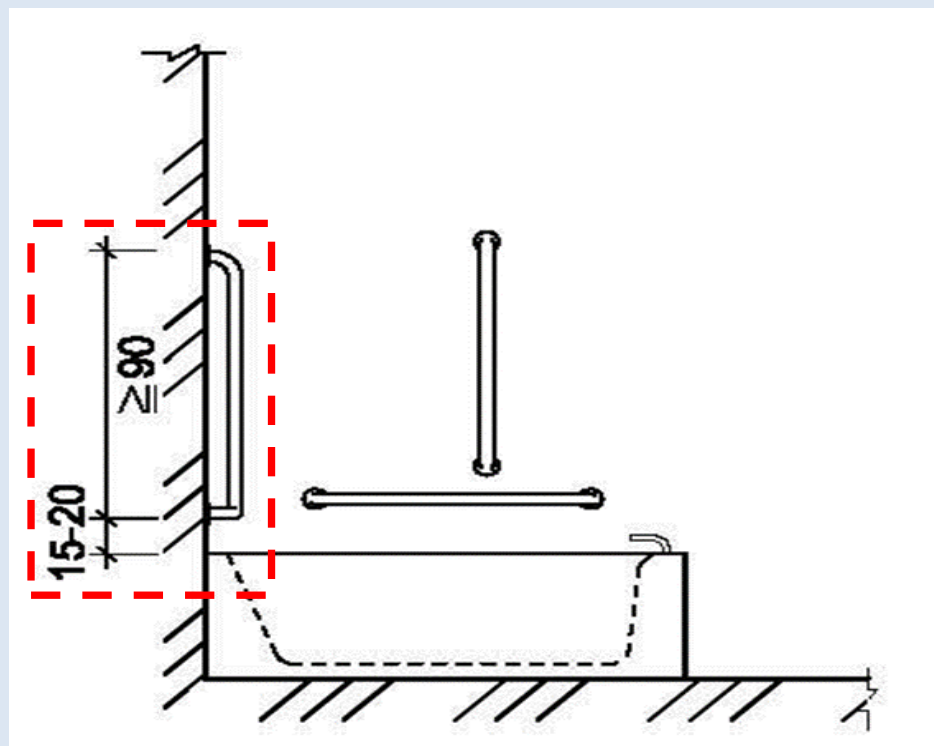
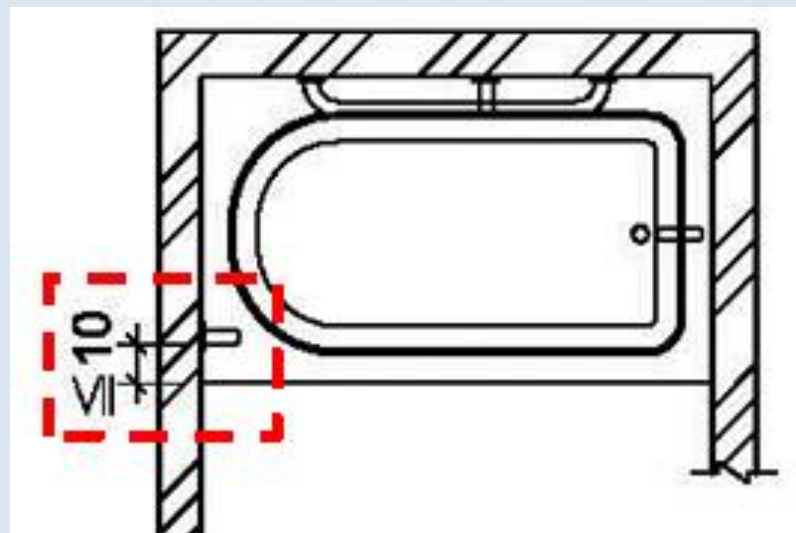
立面



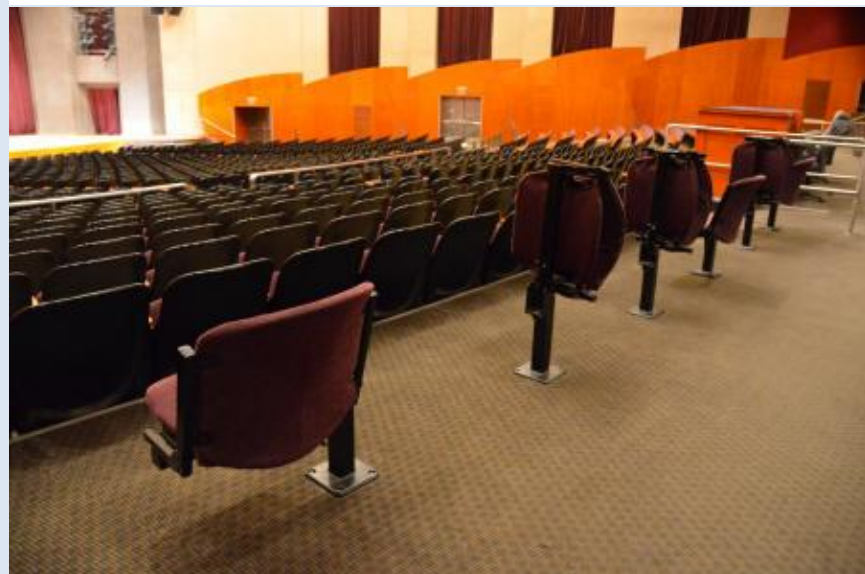
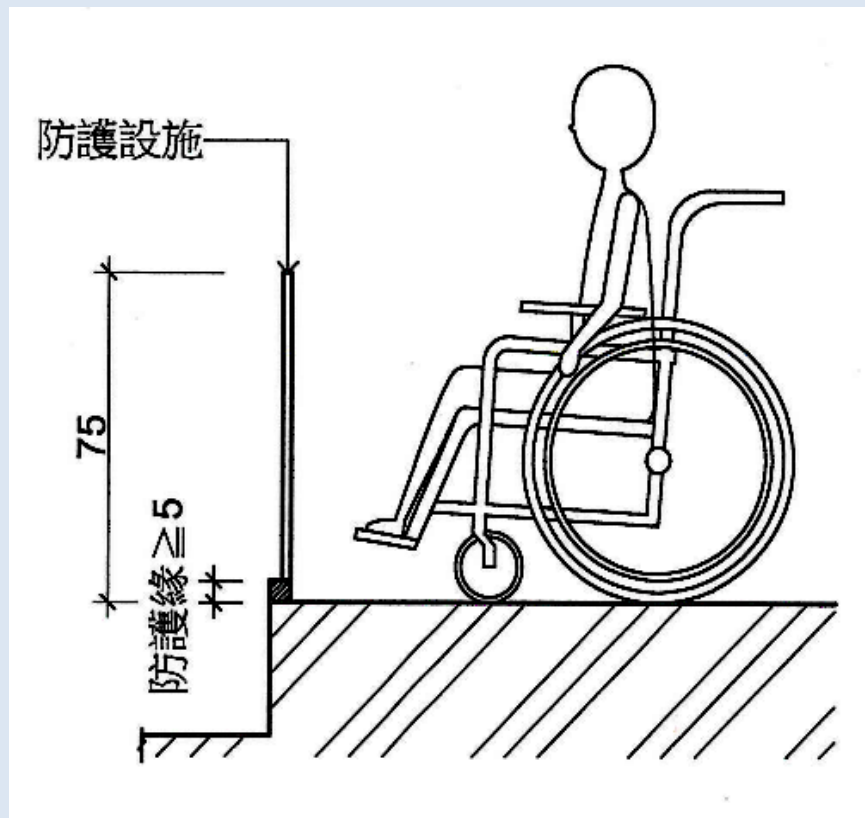


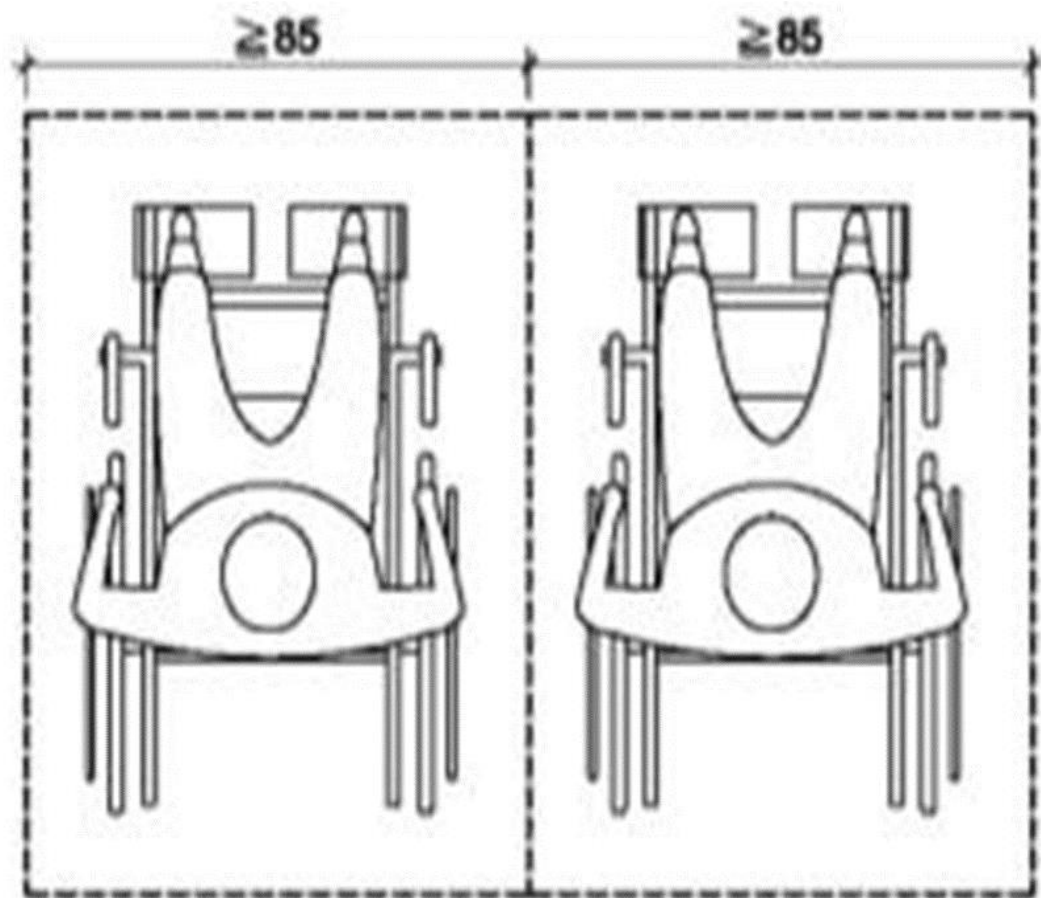
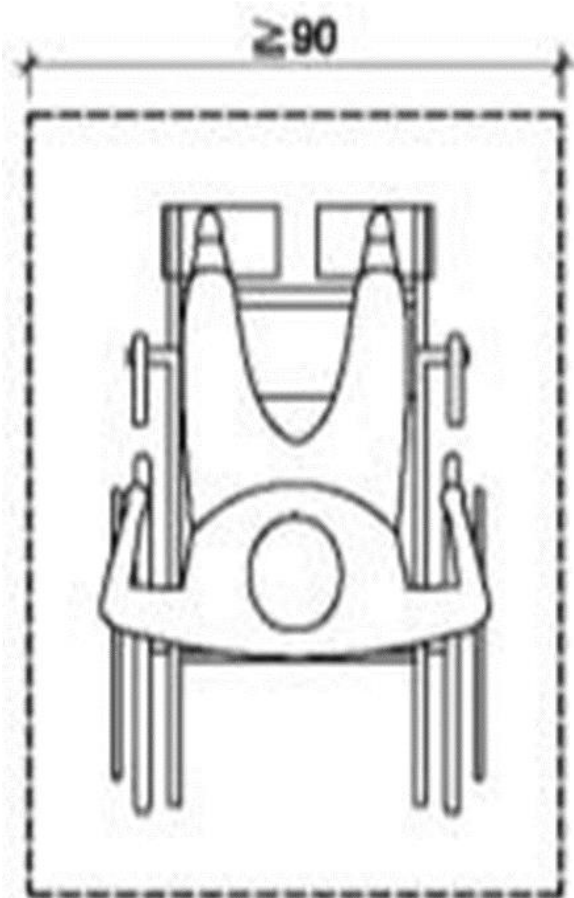


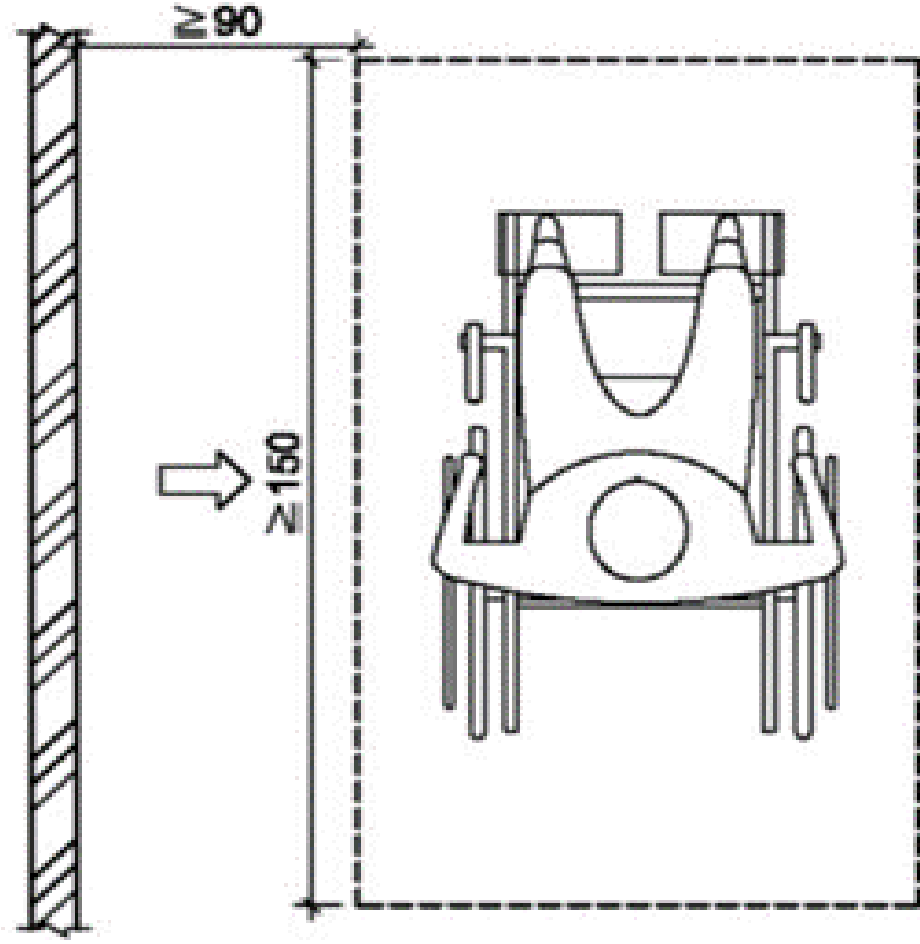
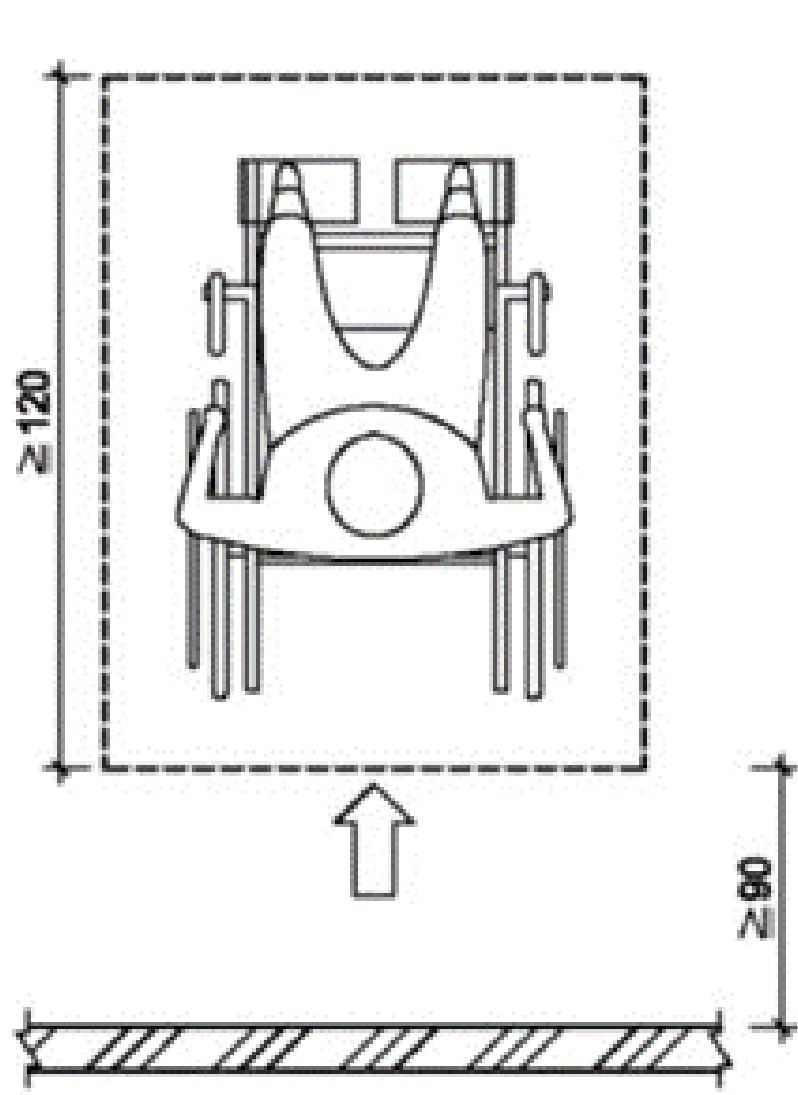


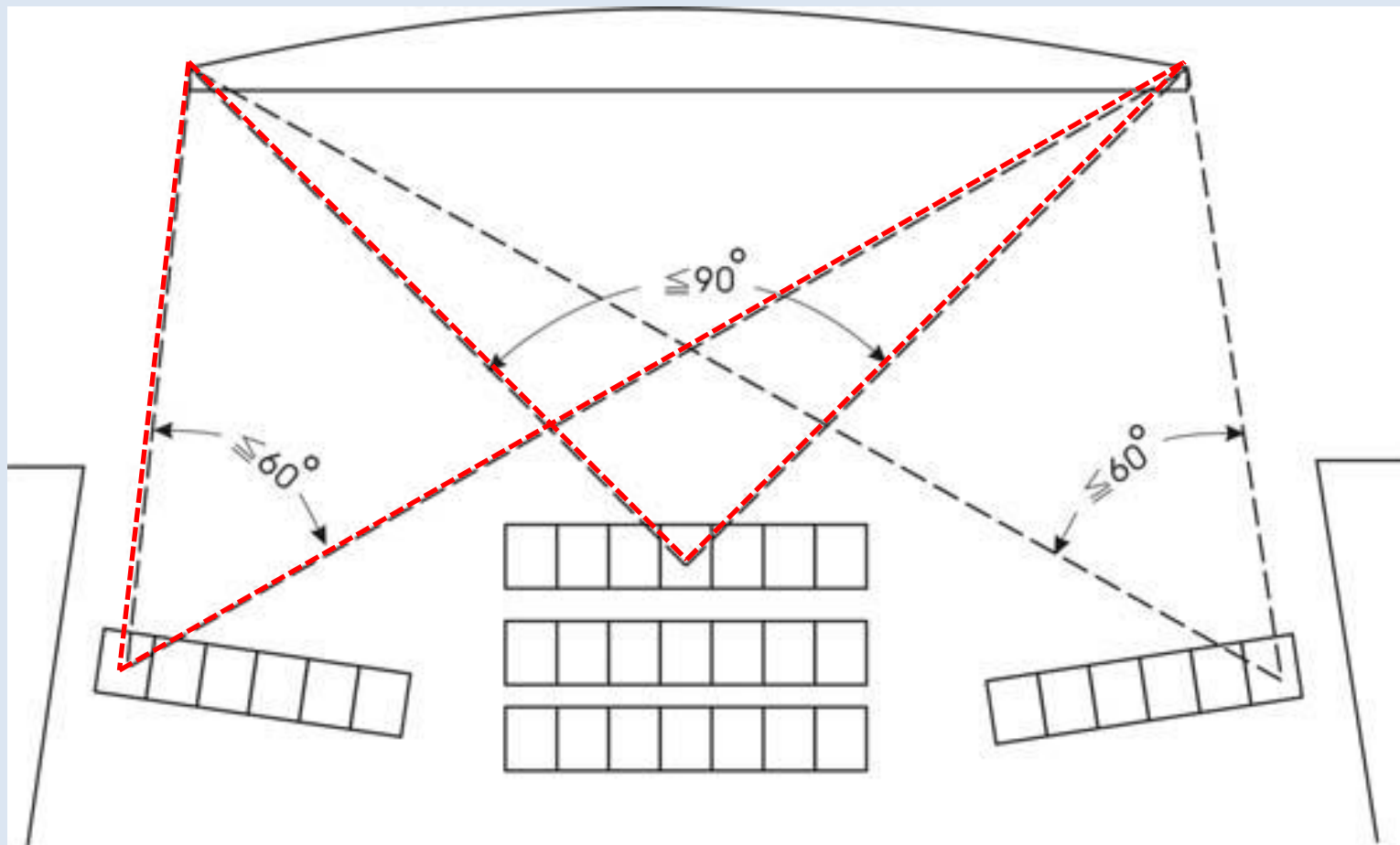


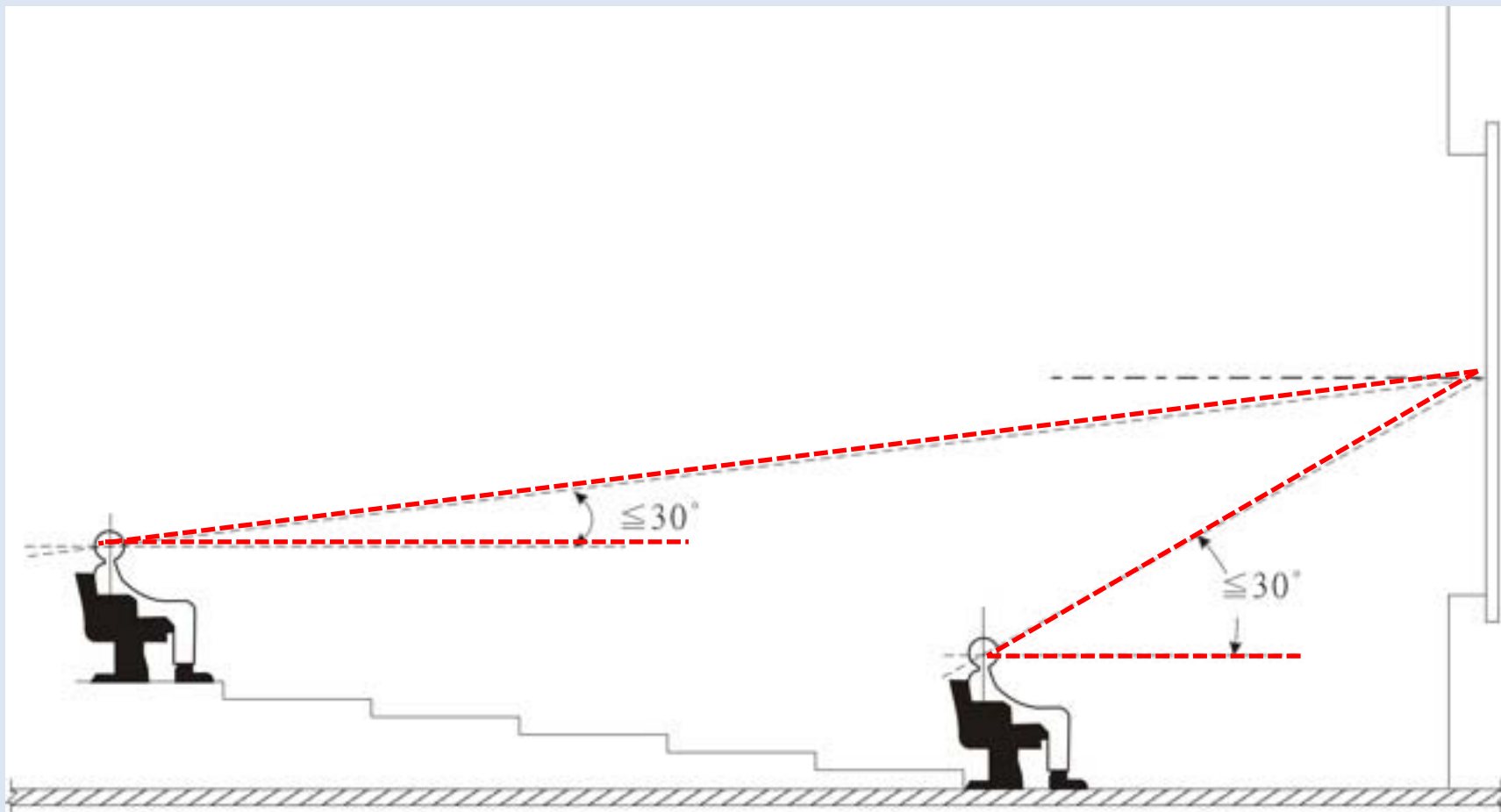
➤ 輪椅觀眾席位



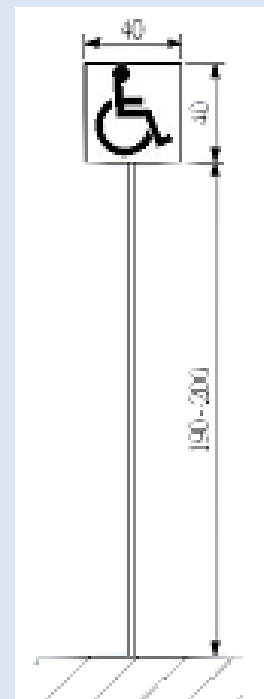
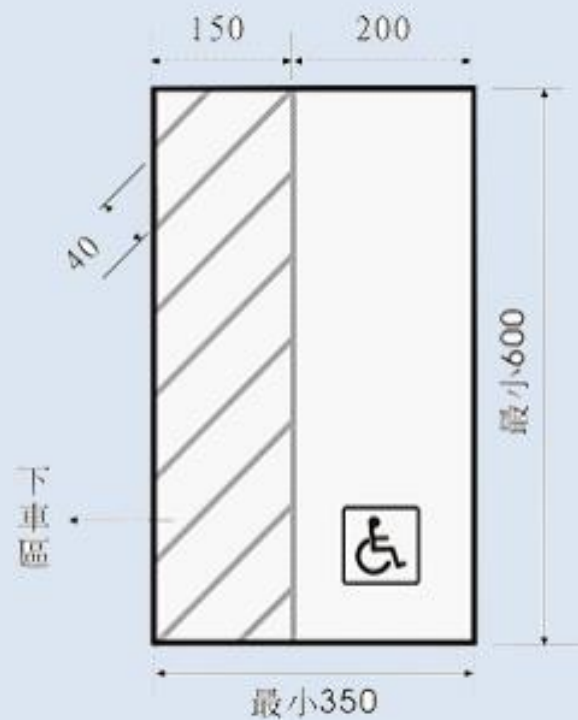
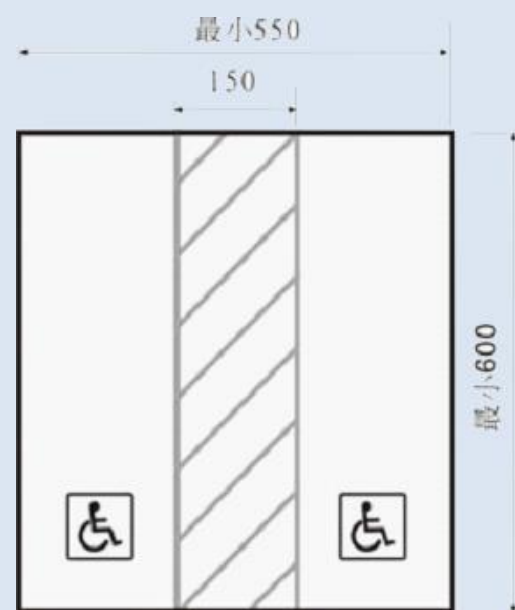


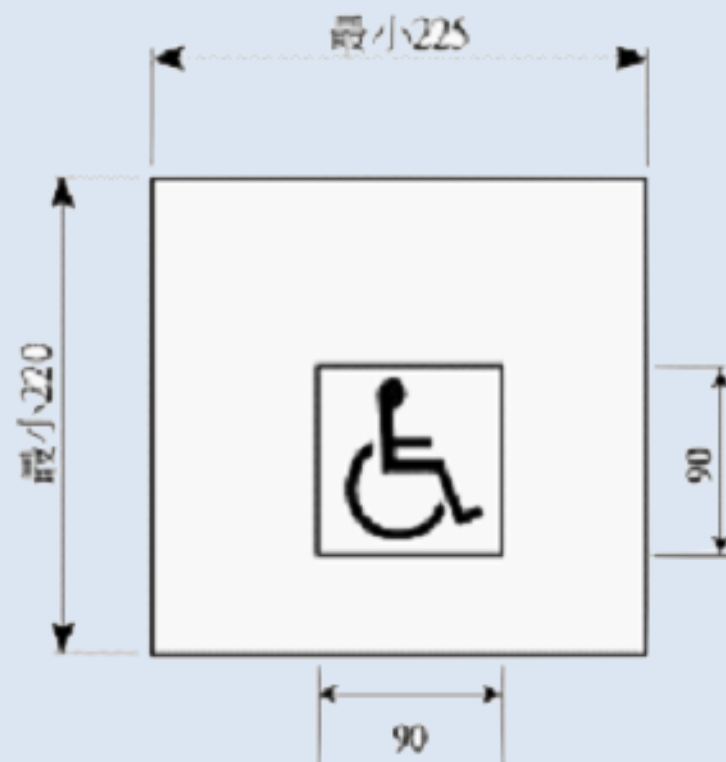






➤ 無障礙停車位



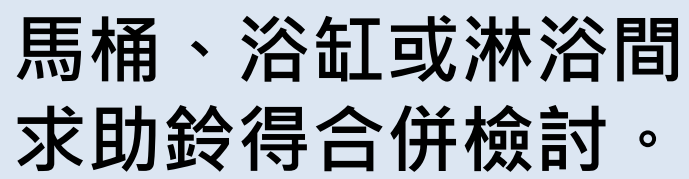
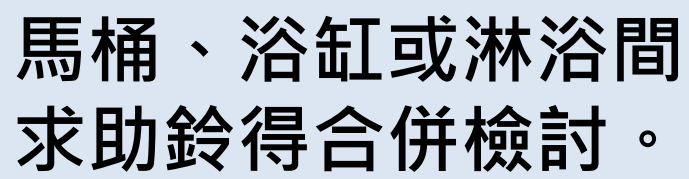


➤ 旅館無障礙客房



客房內通路 $\geq 120\text{cm}$
床間淨寬 $\geq 90\text{cm}$

客房內求助鈴2處
1.距地板面90~120cm
2.距地板面15~25cm





電器插座及開關
距地板面高 70-100 公分
距柱、牆角 30 公分以上

➤ (引導)標誌

