

# 防火门窗



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主编单位 负

主编单位技术负责人 彭伯岳

技术审定人 彭伯岳

设计负责人 王祖光 彭伯岳

批准部门 中华人民共和国建设部  
主编单位 中国建筑标准设计研究所  
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# 说 明

## 1 设计依据

本图集依据下列文件、标准、规范编制:

- 1.1 建设部建设[2002]110号《二〇〇二年国家建筑标准设计编制工作计划》
- 1.2 《建筑设计防火规范》GBJ16-87(2001年版)
- 1.3 《高层民用建筑设计防火规范》GB50045-95(2001年版)
- 1.4 《建筑门窗洞口尺寸条例》GB5824-86
- 1.5 《建筑木门木窗》JG/T 122-2000
- 1.6 《钢质防火门通用技术条件》GB12955-91
- 1.7 《钢质防火卷帘通用技术条件》GB14102-93
- 1.8 《木质防火门通用技术条件》GB14101-93
- 1.9 《钢质防火窗》GB16809-1997
- 1.10 《门和卷帘的耐火试验方法》GB/T 7633-87

## 2 适用范围

本图集适用于民用建筑及工业建筑用防火门窗。

## 3 设计原则

本图集力图采用新材料、新构造,提高防火门窗的性能质量,改善外观,增加品种,以满足建筑工程发展和改善人民生活环境的需要。

## 4 耐火极限

按规范规定防火门窗的耐火极限分为三级,即:甲级防火门窗耐火极限为1.2h,乙级为0.9h,丙级为0.6h。工程设计中所用防火门窗的耐火极限由工程设计者根据防火规范确定,并在工程设计图纸中标明。

## 5 平开防火门

### 5.1 钢防火门

#### 5.1.1 耐火性能试验要求

钢防火门的耐火性能按GB/T 7633进行试验。带玻璃的钢防火门,凡每

扇门的玻璃面积 $\leq 0.065\text{m}^2$ 者,可不测该玻璃上的背火面温度。玻璃面积超过 $0.065\text{m}^2$ 者,应按GB/T7633测点布置方法测定背火面温度。门上部的亮子玻璃中心增测背火面温度。若该玻璃面积 $\geq 1.0\text{m}^2$ 者,应同时测定其热辐射温度。甲级钢防火门上所镶的玻璃及亮子玻璃,至少应有一个测点测定其背火面温度。

#### 5.1.2 材料与配件

钢防火门的门框、门扇面板及其加固件应采用冷轧薄钢板。门框宜采用1.2~1.5mm厚钢板,门扇面板宜采用0.8~1.2mm厚钢板。加固件宜采用1.2~1.5mm厚钢板。加固件如设有螺孔,钢板厚度应不小于3.0mm。门扇、门框内应用不燃性材料填实。门锁、合页、插销等五金配件的熔融温度不低于 $950^\circ\text{C}$ 。门上的合页不得使用双向弹簧,单扇门应设闭门器。双扇门间必须带有盖板缝,并装设闭门器和顺序器等(常闭的防火门除外)。门框宜设密封槽,槽内应嵌装由不燃性材料制成的密封条。

防火门的焊接应牢固,焊点分布均匀,不得出现假焊和烧穿现象,外表应打磨平整。

门的尺寸与公差应符合GB12955-91标准5.3条的规定。

### 5.2 木防火门

#### 5.2.1 耐火性能试验要求

木防火门的耐火性能按GB/T 7633进行试验。对带玻璃的木防火门,凡每扇门的玻璃面积超过 $0.10\text{m}^2$ 者,应按GB/T 7633测点布置方法测定玻璃的背火面温度。若玻璃面积不超过 $0.10\text{m}^2$ 者,可不测其背火面温度。带有玻璃上亮子的木防火门,其上亮子玻璃的总面积如果超过 $0.5\text{m}^2$ 应在玻璃中心部位100mm范围内测其背火面温度。如果玻璃面积超过 $1.0\text{m}^2$ 者,还应同

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时测定其热辐射强度。

5.2.2 其它试验

除耐火性能试验外，尚须作木材含水率测定、门开启力的测定、沙袋撞击试验、风压变形性能试验（指外门）、气密性试验（指外门）及水密性试验（指外门）等。

5.2.3 材料及五金配件

木材的选材标准应符合 GB14101-93 表 2 的规定。木材应采用窑干法干燥，其含水率不应大于 12%。当受条件限制，除东北落叶松、云南松、马尾松、桦木等易变形的树种外，可采用气干木材，其制作时的含水率不应大于当地的平衡含水率。宜采用经阻燃处理的优质木材。

填充材料应符合《建筑材料不燃性试验方法》GB5464-85 中第 7 条的规定。

玻璃应采用不影响防火门耐火性能试验的合格产品。

五金配件应是经国家消防检测机构检测合格的定型配套产品。

双扇门应装有顺序器，门的制作、安装要求均见 GB14101-93。

门拉手中心距地 1000mm。

6 防火卷帘

6.1 钢防火卷帘

6.1.1 耐火时间：按 GB14102-93 规定

普通型钢防火卷帘 F1 1.5h F2 2.0h

复合型钢防火卷帘 F3 2.5h F4 3.0h

耐火性能按 GB7633 的规定进行耐火性能试验。从受火作用起到背火面热辐射强度超过临界热辐射强度规定值时止，或帘板面窜火时止。这段时间称为耐火极限，用以决定钢防火卷帘的耐火性能等级。

6.1.2 主要材料

帘板、座板、导轨、门楣、箱体应采用镀锌钢板和钢带，以及普通碳素

结构钢。卷轴用优质碳素结构钢或普通碳素结构钢，以及电焊钢管或无缝钢管。支座应用普通碳素结构钢或灰口铸铁。帘板厚 1.2~2.0mm、掩埋型导轨厚 1.5~2.5mm、外露型钢板导轨厚度 ≥3.0mm。帘板嵌入导轨的深度应符合表 6.1.2 要求。

表 6.1.2

| 洞口宽度 W (mm) | 每端嵌入最小长度 (mm) |
|-------------|---------------|
| W<3000      | 45            |
| 3000≤W<5000 | 50            |
| 5000≤W<9000 | 60            |

6.1.3 钢防火卷帘的耐风压性能（帘板强度）：在规定荷载下其导轨与帘帘不脱落，同时其变形挠度须符合表 6.1.3 要求。

表 6.1.3

| 强度类别代号 | 耐风压 (Pa) | 挠度 (mm) |      |      |      |      |      |
|--------|----------|---------|------|------|------|------|------|
|        |          | B≤2.5m  | B=3m | B=4m | B=5m | B=6m | B>6m |
| 50     | 490.3    | 25      | 30   | 40   | 50   | 60   | 90   |
| 80     | 784.5    | 37.5    | 45   | 60   | 75   | 90   | 135  |
| 120    | 1176.8   | 50      | 60   | 80   | 100  | 120  | 180  |

6.1.4 钢防火卷帘的防烟性能：在压差为 20Pa 时漏烟量应小于 0.2m³/m² min。

6.1.5 安装要求：钢防火卷帘安装在建筑物墙体上，应与墙内埋件焊接或预埋螺栓连接，也可用膨胀螺栓安装，但其锚固强度必须满足要求。其他要求均见 GB14102-93。

6.2 无机布基防火卷帘及水雾式无机布基特级防火卷帘

无机布基防火卷帘系防火卷帘的新品种，帘面采用膨化硅酸铝纤维布外

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涂耐火胶为基材,该卷帘加水喷雾保护,其耐火极限可 $\geq 3\text{h}$ ,达到特级防火卷帘要求。其传动结构沿用钢防火卷帘的形式,具有钢防火卷帘的防火功能和性能。其优点是重量轻、体积小、运行平稳、噪音低、外观好。

6.3 双轨无机布基特级防火卷帘

双轨无机布基特级防火卷帘系用无机布面料制作的双层防火卷帘。其最大优点是无须水幕保护,可节省可观的消防用水。一般的钢防火卷帘或单轨无机布基防火卷帘为满足防火要求须加有水幕或水喷雾保护。

双轨特级防火卷帘其他特点是:运行平稳、噪音低;能达到GB9978-99所规定的防火墙同等耐火性能;外观好、施工方便。

6.4 水雾式钢特级防火卷帘:此种卷帘的材料与钢防火卷帘基本相同,所设水雾保证其达到3h耐火极限,并能节约大量消防用水。

6.5 侧向钢防火卷帘:卷帘箱竖直放置,帘板悬挂在上方导轨内,适用于大跨度、曲线形空间场所的防火隔断。

6.6 水平钢防火卷帘:其用料、构造及作用与钢防火卷帘类似。适用于自动扶梯或其它水平洞口的水平防火隔断。

6.7 带平开门防火卷帘:左侧的防火平开门为常闭型,作人员疏散用,右侧的防火卷帘作防火隔断用。选用时须加注平开门型号及卷帘型号。

7 钢防火窗

钢防火窗系指用钢材作框架,在一定时间内能满足耐火稳定性,耐火完整性和耐绝热性的窗。防火窗分固定式和活动式。本图集只列入固定式。

材料:钢材应符合相应钢材标准中的规定。可用普通碳素钢,也可用不锈钢。窗框与玻璃之间的密封材料应为不燃材料或难燃材料,其制作、安装要求均见GB16809-1997。

8 防火门窗的涂料

防火门窗的钢材或木材表面均须有涂料防护及装饰。对钢、木防火门窗的表面防护要求如下:

8.1 防火门窗的钢构件除镀锌件或制造时已按规定作了防护涂料,可不另作处理外,均须经除锈(除锈等级不低于Sa2.5级或St3级)后涂醇酸铁红底漆一道,涂醇酸瓷漆两道,醇酸清漆一道。

8.2 木防火门表面经刨光打磨后涂醇酸清漆一道,醇酸腻子嵌缝,刮平、打磨,涂醇酸瓷漆两道,醇酸清漆一道。

防火门窗所用的玻璃一般为复合型防火玻璃、灌浆型防火玻璃或铯钾玻璃,其耐火极限与其厚度及构造有关,须经严格的检测确定。

9 门型及代号

本图集的防火门按材料构造分为钢防火门、木夹板防火门、模压板防火门等。按开启方式分为平开门和卷帘门。

9.1 平开门:应为向疏散方向开启的平开门,并在关闭后应能从任何一侧手动开启。

用于疏散的走道、楼梯间和前室的防火门,应具有自动关闭的功能。双扇和多扇防火门,还应具有按顺序关闭的功能。

9.2 防火卷帘:防火卷帘可作为防火门之用,其耐火极限按防火门要求可用普通防火卷帘加水幕保护,也可作为防火分隔之用,即在设置防火墙确有困难的场所,可采用防火卷帘作防火分区分隔。当采用包括背火面温升作耐火极限判定条件的防火卷帘时,其耐火极限不低于3.00h;当采用不包括背火面温升作耐火极限判定条件的防火卷帘时,其卷帘两侧应设独立的闭式自动喷水保护,系统喷水延续时间不应小于3.00h。

设在走道上的防火卷帘,应在卷帘的两侧设置启闭装置,并应具有自动、手动和机械控制的功能。

本图集的防火卷帘包括普通型钢防火卷帘,复合型钢防火卷帘,无机布

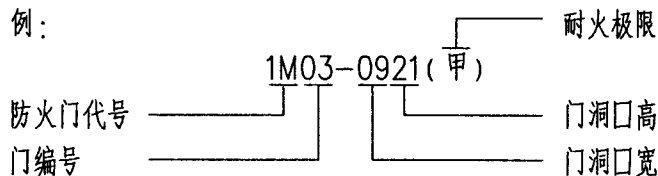
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|-----|-----|----|-----|----|-----|--|-----|--------|
| 审核  | 王祖光 | 校对 | 王祖光 | 设计 | 潘嘉萍 |  | 页   | 5      |

基防火卷帘。按其不同的开启方向,则有钢防火卷帘、侧向卷帘及水平卷帘。

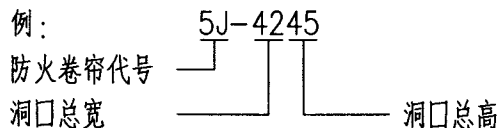
### 9.3 防火门窗及卷帘的代号

|               |    |
|---------------|----|
| 钢防火门:         | 1M |
| 木夹板防火门:       | 2M |
| 木夹板装饰防火门:     | 3M |
| 模压板防火门:       | 4M |
| 管道井防火门:       | 5M |
| 钢防火卷帘:        | 1J |
| 水雾式钢特级防火卷帘    | 2J |
| 水雾式无机布基特级防火卷帘 | 3J |
| 双轨无机布基特级防火卷帘  | 4J |
| 带平开小门钢防火卷帘    | 5J |
| 侧向钢防火卷帘       | 6J |
| 水平钢防火卷帘       | 7J |
| 钢防火窗          | GC |

### 9.4 门的索引方法

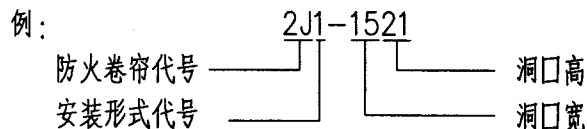


### 9.5 带平开小门防火卷帘索引方法



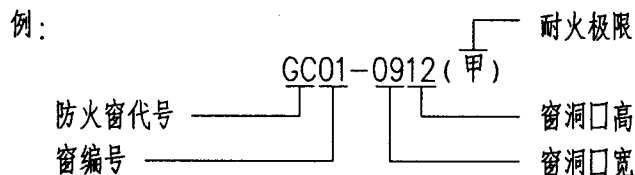
注: 5J洞口总宽 = 平开门洞口宽 + 钢柱宽 + 卷帘门洞口宽;  
平开门洞口高 ≤ 5J卷帘门洞口高, 卷帘门洞口高 = 5J洞口总高。

### 9.6 卷帘索引方法

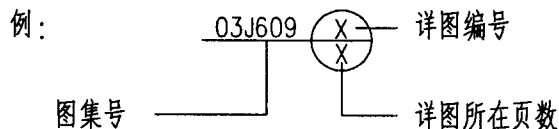


注: 防火卷帘门的安装分墙侧和墙中两种形式,墙侧代号为1,墙中代号为2。

### 9.7 窗的索引方法



### 9.8 本图集索引方法



## 10 本图集尺寸

本图集标注尺寸以毫米为单位。

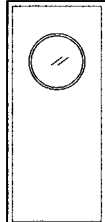
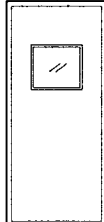
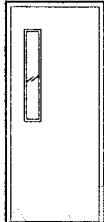
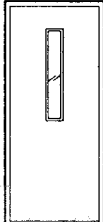
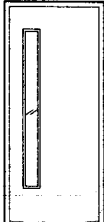
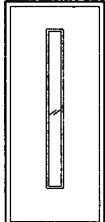
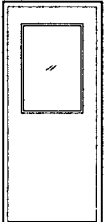
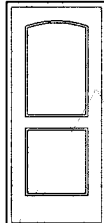
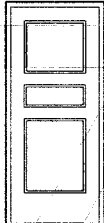
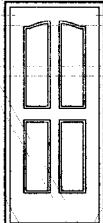
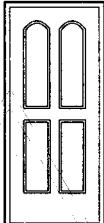
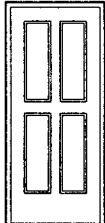
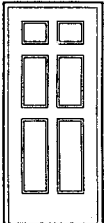
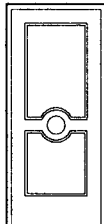
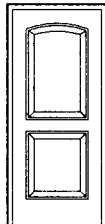
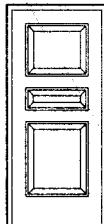
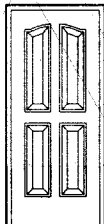
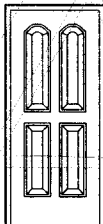
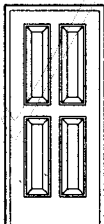
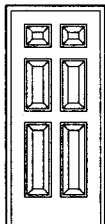
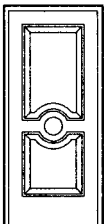
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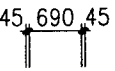
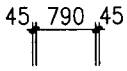
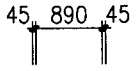
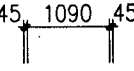
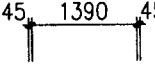
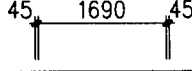
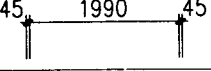
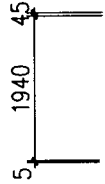
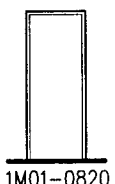
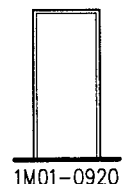
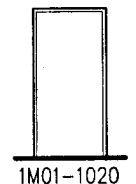
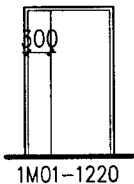
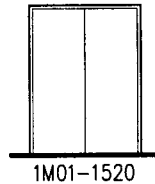
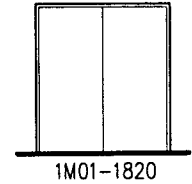
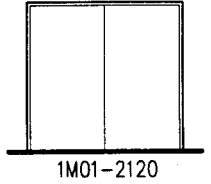
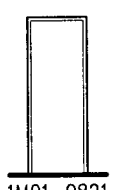
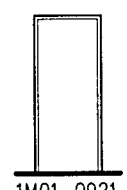
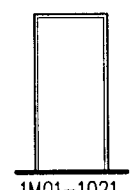
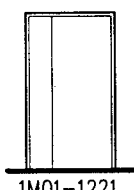
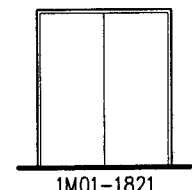
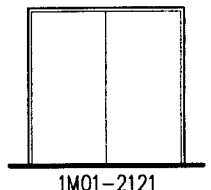
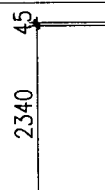
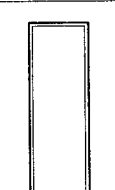
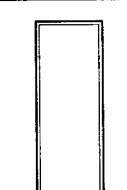
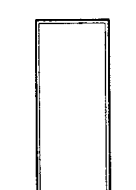
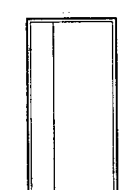
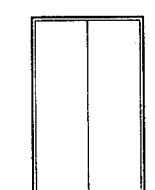
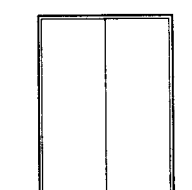
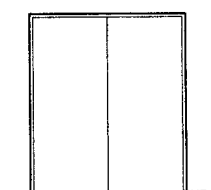
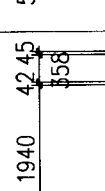
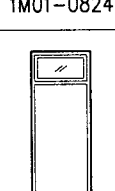
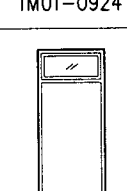
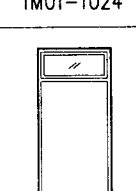
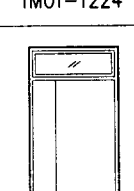
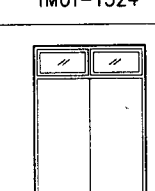
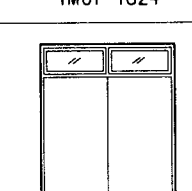
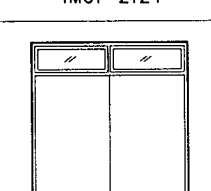
上海森林特种钢门有限公司。

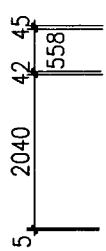
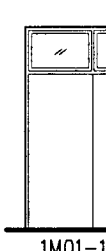
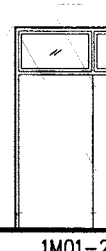
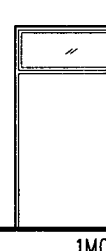
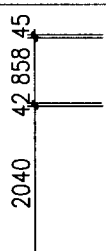
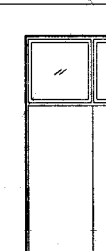
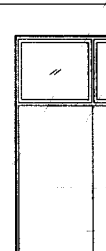
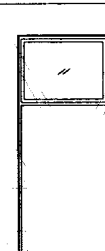
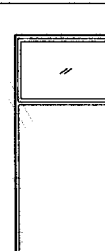
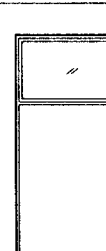
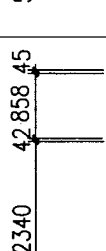
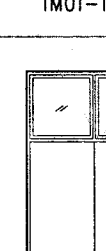
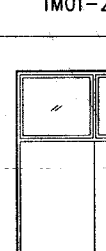
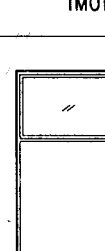
北京天明兴业科技发展有限公司(原北京新型防火装备厂)。

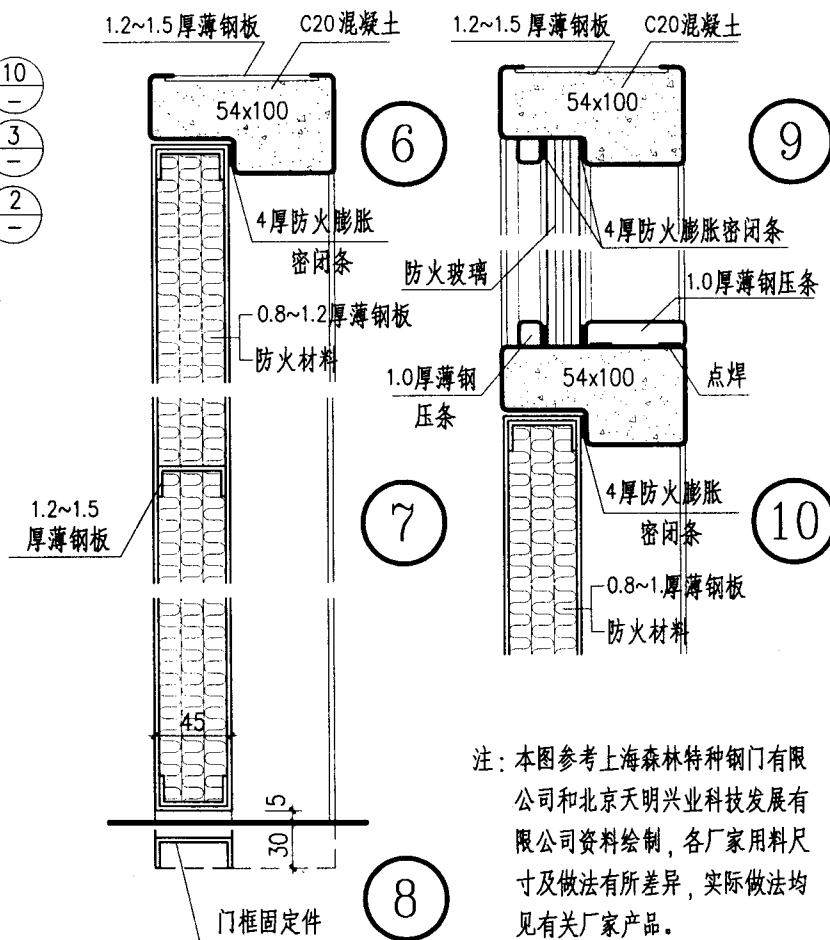
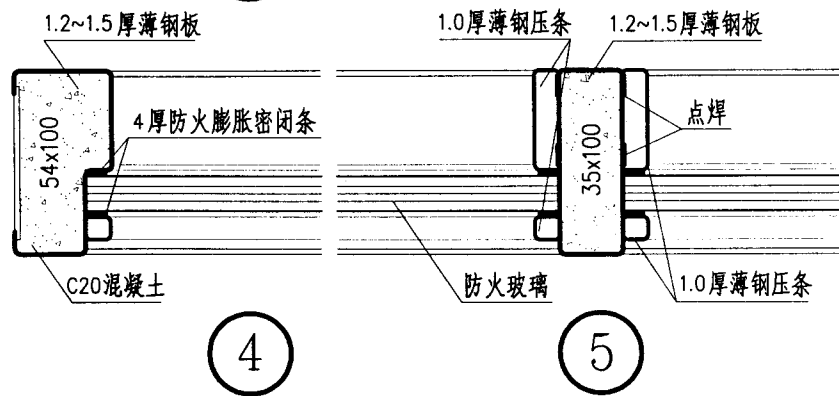
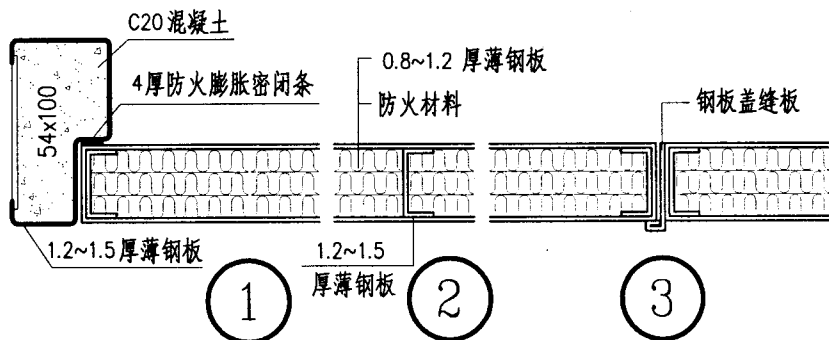
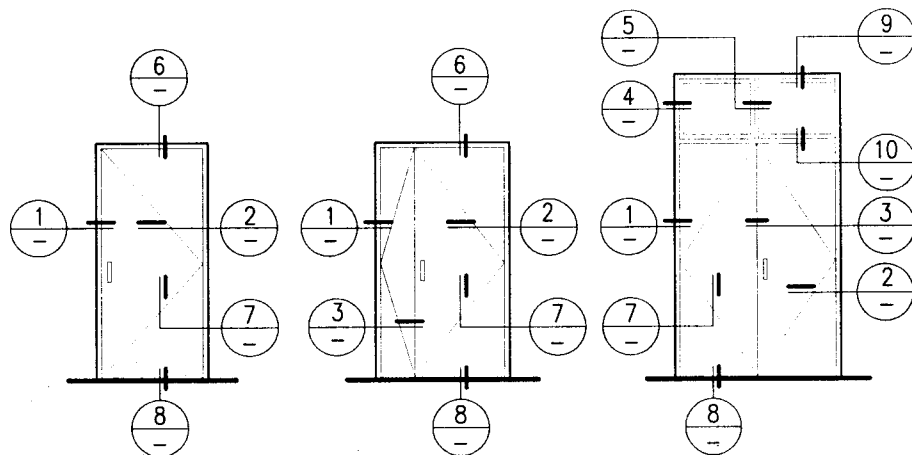
## 12 本图集代替《平开防火门》J656(-),《自动下滑防火门》CJ657及《固定防火窗》92SJ708图集。

| 说 明 |     |    |     |    | 图集号 | 03J609 |
|-----|-----|----|-----|----|-----|--------|
| 审核  | 王和光 | 校对 | 王和光 | 设计 | 张淑萍 | 页 6    |

|                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                      |                                                                                      |                                                                                      |                                                                                      |     |        |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----|--------|
|   |   |   |   |   |   |   |   |     |        |
| 1M01—钢防火门<br>2M01—木夹板防火门                                                           | 1M02—钢防火门<br>2M02—木夹板防火门                                                           | 1M03—钢防火门<br>2M03—木夹板防火门                                                           | 1M04—钢防火门<br>2M04—木夹板防火门                                                           | 1M05—钢防火门<br>2M05—木夹板防火门                                                             | 1M06—钢防火门<br>2M06—木夹板防火门                                                             | 1M07—钢防火门<br>2M07—木夹板防火门                                                             | 1M08—钢防火门<br>2M08—木夹板防火门                                                             |     |        |
|   |   |   |   |   |   |   |   |     |        |
| 1M09—钢防火门<br>2M09—木夹板防火门                                                           | 1M10—钢防火门<br>3M10—木夹板装饰防火门                                                         | 3M11—木夹板装饰防火门                                                                      | 3M12—木夹板装饰防火门                                                                      | 3M13—木夹板装饰防火门                                                                        | 3M14—木夹板装饰防火门                                                                        | 3M15—木夹板装饰防火门                                                                        | 3M16—木夹板装饰防火门                                                                        |     |        |
|  |  |  |  |  |  |  |  |     |        |
| 3M17—木夹板装饰防火门                                                                      | 4M18—模压板防火门                                                                        | 4M19—模压板防火门                                                                        | 4M20—模压板防火门                                                                        | 4M21—模压板防火门                                                                          | 4M22—模压板防火门                                                                          | 4M23—模压板防火门                                                                          | 4M24—模压板防火门                                                                          |     |        |
|                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                      |                                                                                      | 防火门类型及编号                                                                             |                                                                                      | 图集号 | 03J609 |
|                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                      |                                                                                      | 审核                                                                                   | 王沁光                                                                                  | 校对  | 王岳     |

| 洞口尺寸 |      |                                                                                    | 800                                                                                              | 900                                                                                              | 1000                                                                                             | 1200                                                                                              | 1500                                                                                               | 1800                                                                                               | 2100                                                                                               |        |
|------|------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------|
| 框口尺寸 |      |                                                                                    | 780                                                                                              | 880                                                                                              | 980                                                                                              | 1180                                                                                              | 1480                                                                                               | 1780                                                                                               | 2080                                                                                               |        |
|      |      |                                                                                    | 45 690 45<br>   | 45 790 45<br>   | 45 890 45<br>   | 45 1090 45<br>  | 45 1390 45<br>  | 45 1690 45<br>  | 45 1990 45<br>  |        |
| 2000 | 1990 |   | <br>1M01-0820   | <br>1M01-0920   | <br>1M01-1020   | <br>1M01-1220   | <br>1M01-1520   | <br>1M01-1820   | <br>1M01-2120   |        |
|      |      |   | <br>1M01-0821   | <br>1M01-0921   | <br>1M01-1021   | <br>1M01-1221   | <br>1M01-1521   | <br>1M01-1821   | <br>1M01-2121   |        |
|      |      |   | <br>1M01-0824   | <br>1M01-0924   | <br>1M01-1024   | <br>1M01-1224   | <br>1M01-1524   | <br>1M01-1824   | <br>1M01-2124   |        |
| 2400 | 2390 |  | <br>1M011-0824 | <br>1M011-0924 | <br>1M011-1024 | <br>1M011-1224 | <br>1M011-1524 | <br>1M011-1824 | <br>1M011-2124 |        |
|      |      | 1M01 型钢防火门选用图(一)                                                                   |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                   |                                                                                                    |                                                                                                    | 图集号                                                                                                | 03J609 |
|      |      | 审核                                                                                 | 王沁光                                                                                              | 校对                                                                                               | 王沁光                                                                                              | 设计                                                                                                | 张磊                                                                                                 | 页                                                                                                  | 8                                                                                                  |        |

| 洞口尺寸 |      | 1500                                                                                            | 1800                                                                                            | 2100                                                                                            | 2400                                                                                              | 2700                                                                                              | 3000                                                                                              |
|------|------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 框口尺寸 |      | 1480                                                                                            | 1780                                                                                            | 2080                                                                                            | 2380                                                                                              | 2680                                                                                              | 2980                                                                                              |
|      |      | 45 1390 45                                                                                      | 45 1690 45                                                                                      | 45 1990 45                                                                                      | 45 2290 45                                                                                        | 45 2590 45                                                                                        | 45 2890 45                                                                                        |
| 2700 | 2690 | <br>1M01-1527  | <br>1M01-1827  | <br>1M01-2127  | <br>1M01-2427  | <br>1M01-2727  | <br>1M01-3027  |
|      | 3000 | <br>1M01-1530  | <br>1M01-1830  | <br>1M01-2130  | <br>1M01-2430  | <br>1M01-2730  | <br>1M01-3030  |
| 3300 | 3290 | <br>1M01-1533 | <br>1M01-1833 | <br>1M01-2133 | <br>1M01-2433 | <br>1M01-2733 | <br>1M01-3033 |
|      |      |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                   | 1M01 型钢防火门选用图(二)                                                                                  |                                                                                                   |
|      |      |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                   | 图集号                                                                                               | 03J609                                                                                            |
|      |      |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                   | 审核 王祖光 校对 王祖光 设计 潘苏萍                                                                              | 页 9                                                                                               |



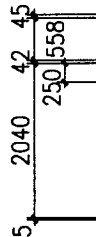
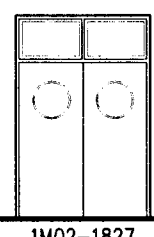
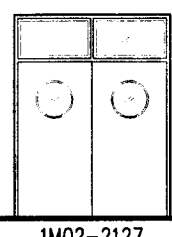
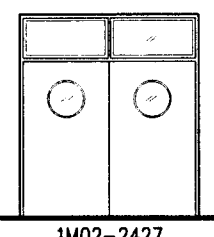
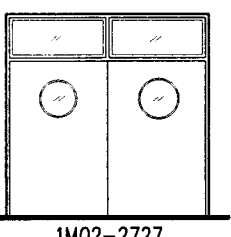
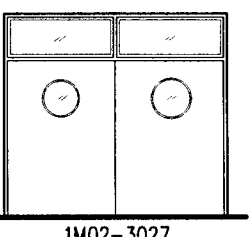
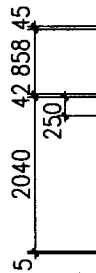
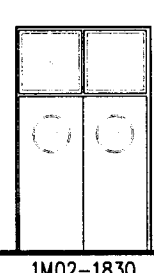
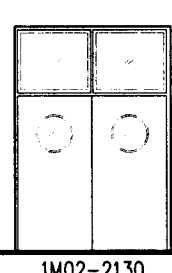
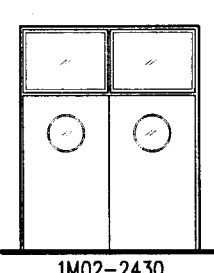
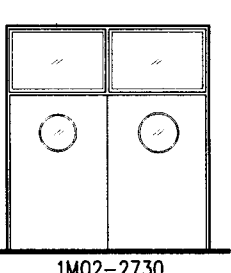
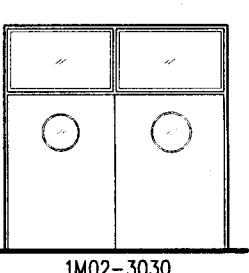
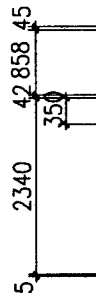
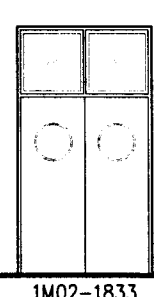
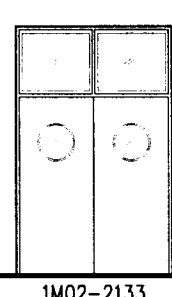
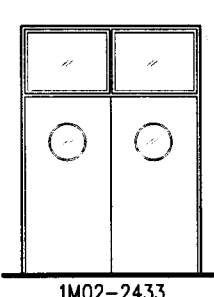
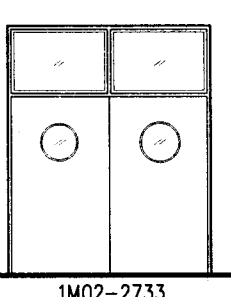
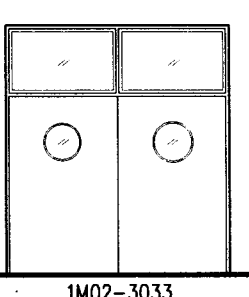
注：本图参考上海森林特种钢门有限公司和北京天明兴业科技发展有限公司资料绘制，各厂家用料尺寸及做法有所差异，实际做法均见有关厂家产品。

1M01型钢防火门详图

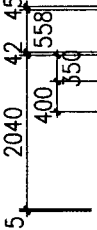
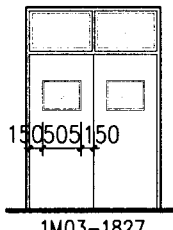
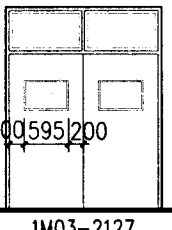
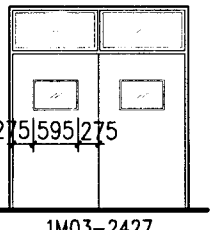
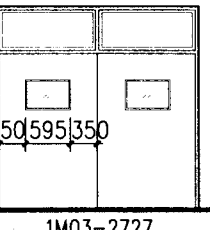
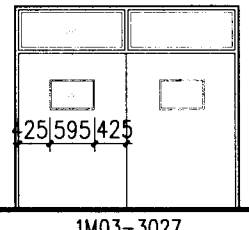
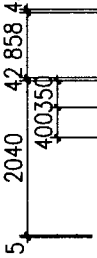
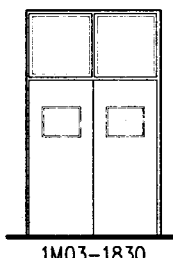
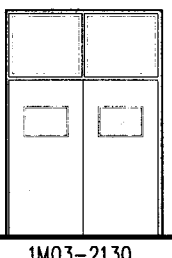
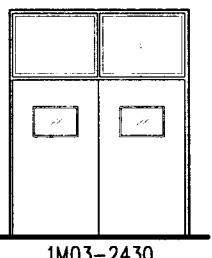
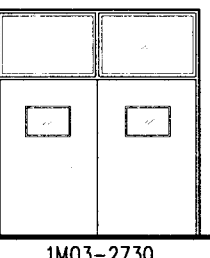
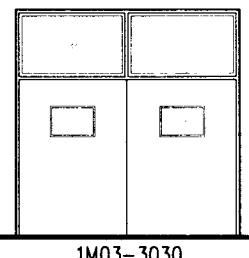
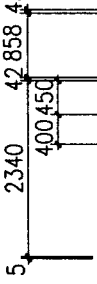
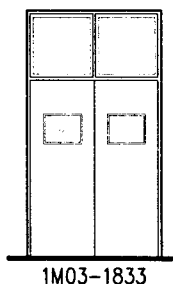
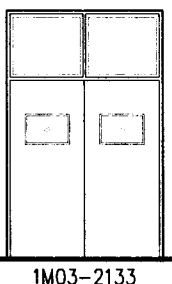
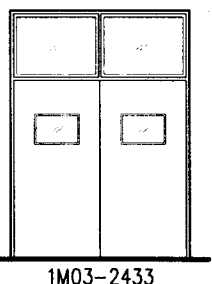
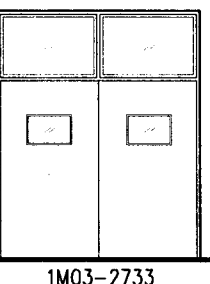
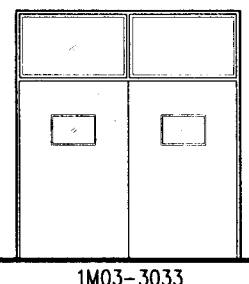
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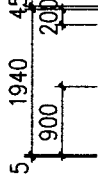
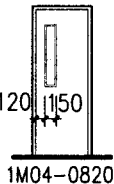
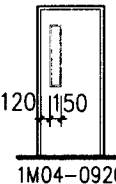
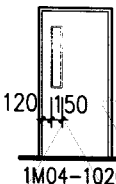
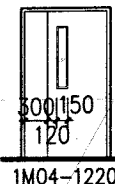
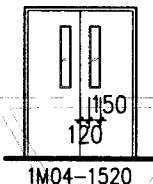
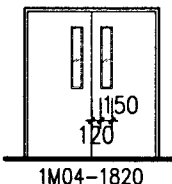
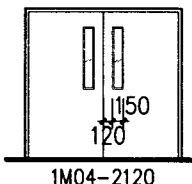
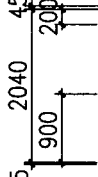
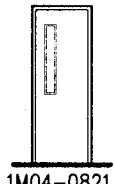
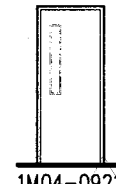
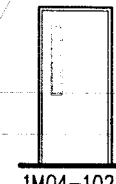
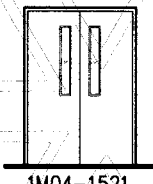
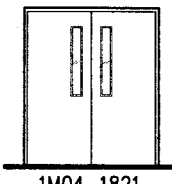
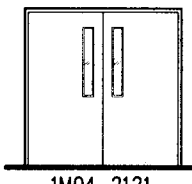
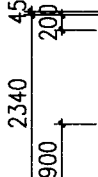
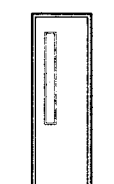
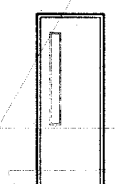
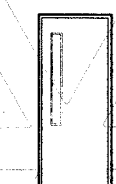
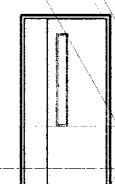
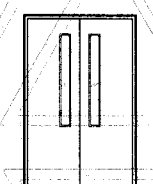
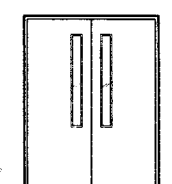
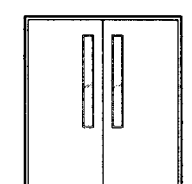
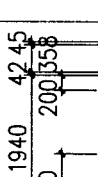
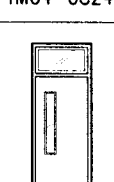
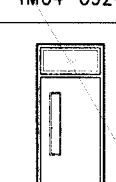
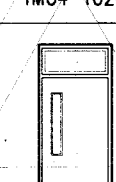
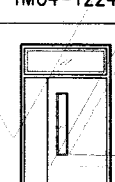
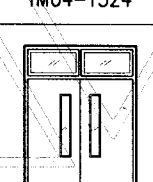
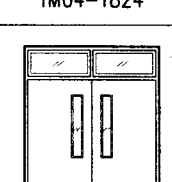
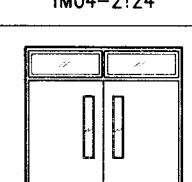
审核 王祖亮 校对 王祖亮 设计 潘苏萍 页 10



| 洞口尺寸 |      | 1500                                                                                            | 1800                                                                                            | 2100                                                                                            | 2400                                                                                              | 2700                                                                                              | 3000                                                                                              |                                                                                                  |        |
|------|------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------|
| 框口尺寸 |      | 1480                                                                                            | 1780                                                                                            | 2080                                                                                            | 2380                                                                                              | 2680                                                                                              | 2980                                                                                              |                                                                                                  |        |
|      |      | 45 1390 45                                                                                      | 45 1690 45                                                                                      | 45 1990 45                                                                                      | 45 2290 45                                                                                        | 45 2590 45                                                                                        | 45 2890 45                                                                                        |                                                                                                  |        |
| 2700 | 2690 | <br>1M02-1527  | <br>1M02-1827  | <br>1M02-2127  | <br>1M02-2427  | <br>1M02-2727  | <br>1M02-3027  |                                                                                                  |        |
|      | 3000 | 2990                                                                                            | <br>1M02-1530  | <br>1M02-1830  | <br>1M02-2130    | <br>1M02-2430  | <br>1M02-2730  | <br>1M02-3030 |        |
| 3300 | 3290 | <br>1M02-1533 | <br>1M02-1833 | <br>1M02-2133 | <br>1M02-2433 | <br>1M02-2733 | <br>1M02-3033 |                                                                                                  |        |
|      |      |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                   | 1M02 型钢防火门选用图(二)                                                                                  |                                                                                                   | 图集号                                                                                              | 03J609 |
|      |      |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                   | 审核                                                                                                | 王祖光                                                                                               | 校对                                                                                               | 张立     |

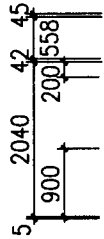
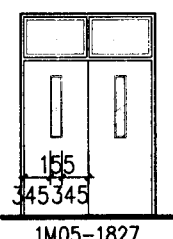
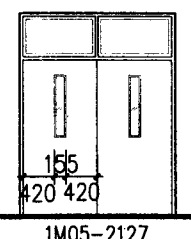
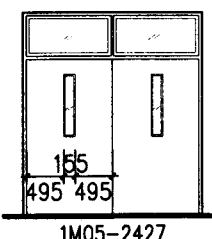
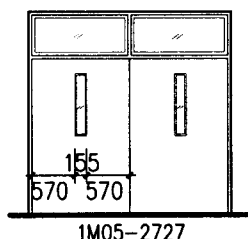
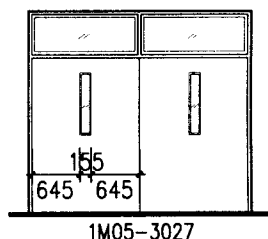
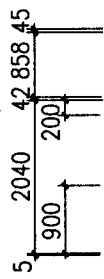
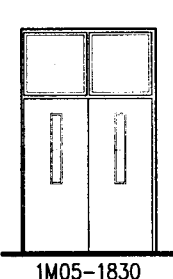
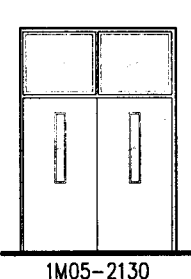
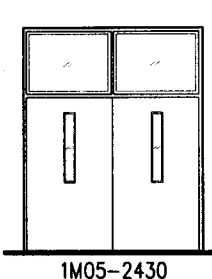
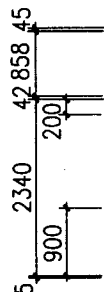
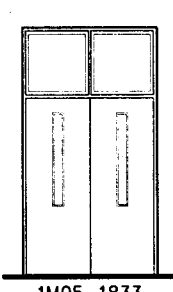
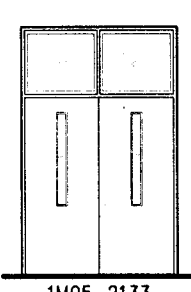
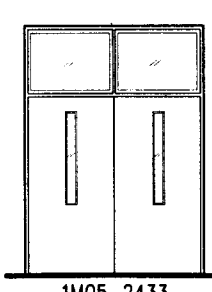
| 洞口尺寸              |      |     | 800 | 900 | 1000 | 1200 | 1500 | 1800   | 2100 |
|-------------------|------|-----|-----|-----|------|------|------|--------|------|
| 框口尺寸              |      |     | 780 | 880 | 980  | 1180 | 1480 | 1780   | 2080 |
|                   |      |     |     |     |      |      |      |        |      |
| 2000              | 1990 |     |     |     |      |      |      |        |      |
|                   |      |     |     |     |      |      |      |        |      |
|                   |      |     |     |     |      |      |      |        |      |
|                   |      |     |     |     |      |      |      |        |      |
| 1M03 型钢防火门选用图 (一) |      |     |     |     |      |      | 图集号  | 03J609 |      |
| 审核                |      | 王祖光 | 校对  | 王祖光 | 设计   | 张淑萍  | 页    | 13     |      |

| 洞口尺寸 |      | 1500                                                                                            | 1800                                                                                            | 2100                                                                                            | 2400                                                                                              | 2700                                                                                              | 3000                                                                                              |
|------|------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 框口尺寸 |      | 1480                                                                                            | 1780                                                                                            | 2080                                                                                            | 2380                                                                                              | 2680                                                                                              | 2980                                                                                              |
|      |      | 45 1390 45                                                                                      | 45 1690 45                                                                                      | 45 1990 45                                                                                      | 45 2290 45                                                                                        | 45 2590 45                                                                                        | 45 2890 45                                                                                        |
| 2700 | 2690 | <br>1M03-1527  | <br>1M03-1827  | <br>1M03-2127  | <br>1M03-2427  | <br>1M03-2727  | <br>1M03-3027  |
| 3000 | 2990 | <br>1M03-1530  | <br>1M03-1830  | <br>1M03-2130  | <br>1M03-2430  | <br>1M03-2730  | <br>1M03-3030  |
| 3300 | 3290 | <br>1M03-1533 | <br>1M03-1833 | <br>1M03-2133 | <br>1M03-2433 | <br>1M03-2733 | <br>1M03-3033 |
|      |      |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                   | 1M03 型钢防火门选用图 (二)                                                                                 |                                                                                                   |
|      |      |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                   | 图集号                                                                                               | 03J609                                                                                            |
|      |      |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                   | 审核 王沁光 校对 王三岳 设计 潘苏萍                                                                              | 页 14                                                                                              |

| 洞口尺寸 |      |                                                                                    | 800                                                                                              | 900                                                                                              | 1000                                                                                             | 1200                                                                                              | 1500                                                                                               | 1800                                                                                               | 2100                                                                                               |  |
|------|------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--|
| 框口尺寸 |      |                                                                                    | 780                                                                                              | 880                                                                                              | 980                                                                                              | 1180                                                                                              | 1480                                                                                               | 1780                                                                                               | 2080                                                                                               |  |
|      |      |                                                                                    | 45 690 45<br>   | 45 790 45<br>   | 45 890 45<br>   | 45 1090 45<br>  | 45 1390 45<br>  | 45 1690 45<br>  | 45 1990 45<br>  |  |
| 2000 | 1990 |   | <br>1M04-0820   | <br>1M04-0920   | <br>1M04-1020   | <br>1M04-1220   | <br>1M04-1520   | <br>1M04-1820   | <br>1M04-2120   |  |
|      |      |                                                                                    |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                   |                                                                                                    |                                                                                                    |                                                                                                    |  |
|      |      |                                                                                    |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                   |                                                                                                    |                                                                                                    |                                                                                                    |  |
|      |      |                                                                                    |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                   |                                                                                                    |                                                                                                    |                                                                                                    |  |
| 2100 | 2090 |   | <br>1M04-0821   | <br>1M04-0921   | <br>1M04-1021   | <br>1M04-1221   | <br>1M04-1521   | <br>1M04-1821   | <br>1M04-2121   |  |
|      |      |                                                                                    |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                   |                                                                                                    |                                                                                                    |                                                                                                    |  |
|      |      |                                                                                    |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                   |                                                                                                    |                                                                                                    |                                                                                                    |  |
|      |      |                                                                                    |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                   |                                                                                                    |                                                                                                    |                                                                                                    |  |
| 2400 | 2390 |   | <br>1M04-0824   | <br>1M04-0924   | <br>1M04-1024   | <br>1M04-1224   | <br>1M04-1524   | <br>1M04-1824   | <br>1M04-2124   |  |
|      |      |                                                                                    |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                   |                                                                                                    |                                                                                                    |                                                                                                    |  |
|      |      |                                                                                    |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                   |                                                                                                    |                                                                                                    |                                                                                                    |  |
|      |      |                                                                                    |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                   |                                                                                                    |                                                                                                    |                                                                                                    |  |
| 2400 | 2390 |  | <br>1M041-0824 | <br>1M041-0924 | <br>1M041-1024 | <br>1M041-1224 | <br>1M041-1524 | <br>1M041-1824 | <br>1M041-2124 |  |
|      |      |                                                                                    |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                   |                                                                                                    |                                                                                                    |                                                                                                    |  |
|      |      |                                                                                    |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                   |                                                                                                    |                                                                                                    |                                                                                                    |  |
|      |      |                                                                                    |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                   |                                                                                                    |                                                                                                    |                                                                                                    |  |
|      |      |                                                                                    |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                   | 1M04 型钢防火门选用图 (一)                                                                                  |                                                                                                    |                                                                                                    |  |
|      |      |                                                                                    |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                   | 图集号                                                                                                | 03J609                                                                                             |                                                                                                    |  |
|      |      |                                                                                    |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                   | 审核 王祖亮 校对 王祖亮 设计 张苏萍                                                                               | 页                                                                                                  | 15                                                                                                 |  |

| 洞口尺寸             |      |      | 1500       | 1800       | 2100       | 2400       | 2700                | 3000       |           |
|------------------|------|------|------------|------------|------------|------------|---------------------|------------|-----------|
| 框口尺寸             |      |      | 1480       | 1780       | 2080       | 2380       | 2680                | 2980       |           |
|                  |      |      | 45 1390 45 | 45 1690 45 | 45 1990 45 | 45 2290 45 | 45 2590 45          | 45 2890 45 |           |
| 2700             | 2690 |      |            |            |            |            |                     |            |           |
|                  |      |      | 1M04-1527  | 1M04-1827  | 1M04-2127  | 1M04-2427  | 1M04-2727           | 1M04-3027  |           |
|                  |      |      |            |            |            |            |                     |            |           |
| 3000             |      | 2990 |            |            |            |            |                     |            |           |
|                  |      |      |            | 1M04-1530  | 1M04-1830  | 1M04-2130  | 1M04-2430           | 1M04-2730  | 1M04-3030 |
|                  |      |      |            |            |            |            |                     |            |           |
| 3300             | 3290 |      |            |            |            |            |                     |            |           |
|                  |      |      |            | 1M04-1533  | 1M04-1833  | 1M04-2133  | 1M04-2433           | 1M04-2733  | 1M04-3033 |
|                  |      |      |            |            |            |            |                     |            |           |
| 1M04 型钢防火门选用图(二) |      |      |            |            |            |            | 图集号                 | 03J609     |           |
|                  |      |      |            |            |            |            | 审核 王祖光 校对 吕岳 设计 潘嘉萍 | 页          | 16        |

| 洞口尺寸 |      |  | 800                          | 900                          | 1000                         | 1200                         | 1500                         | 1800                         | 2100                         |  |  |
|------|------|--|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|--|--|
| 框口尺寸 |      |  | 780                          | 880                          | 980                          | 1180                         | 1480                         | 1780                         | 2080                         |  |  |
|      |      |  | 45 690 45<br>                | 45 790 45<br>                | 45 890 45<br>                | 45 1090 45<br>               | 45 1390 45<br>               | 45 1690 45<br>               | 45 1990 45<br>               |  |  |
| 2000 | 1990 |  | <br>270 150 270<br>1M05-0820 | <br>320 150 320<br>1M05-0920 | <br>370 150 370<br>1M05-1020 | <br>300 150 320<br>1M05-1220 | <br>155 270 270<br>1M05-1520 | <br>155 345 345<br>1M05-1820 | <br>155 420 420<br>1M05-2120 |  |  |
|      |      |  | <br>1M05-0821                | <br>1M05-0921                | <br>1M05-1021                | <br>1M05-1221                | <br>1M05-1521                | <br>1M05-1821                | <br>1M05-2121                |  |  |
|      |      |  | <br>1M05-0824                | <br>1M05-0924                | <br>1M05-1024                | <br>1M05-1224                | <br>1M05-1524                | <br>1M05-1824                | <br>1M05-2124                |  |  |
|      |      |  | <br>1M051-0824               | <br>1M051-0924               | <br>1M051-1024               | <br>1M051-1224               | <br>1M051-1524               | <br>1M051-1824               | <br>1M051-2124               |  |  |
|      |      |  |                              |                              |                              |                              | 1M05 型钢防火门选用图 (一)            |                              |                              |  |  |
|      |      |  |                              |                              |                              |                              | 审核 王初光                       | 校对 张磊                        | 设计 张磊                        |  |  |
|      |      |  |                              |                              |                              |                              | 图集号                          | 03J609                       |                              |  |  |
|      |      |  |                              |                              |                              |                              | 页                            | 17                           |                              |  |  |

| 洞口尺寸                 |           | 1500                                                                              | 1800                                                                              | 2100                                                                               | 2400                                                                               | 2700                                                                                | 3000                                                                                |
|----------------------|-----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 框口尺寸                 |           | 1480                                                                              | 1780                                                                              | 2080                                                                               | 2380                                                                               | 2680                                                                                | 2980                                                                                |
|                      |           | 45 1390 45                                                                        | 45 1690 45                                                                        | 45 1990 45                                                                         | 45 2290 45                                                                         | 45 2590 45                                                                          | 45 2890 45                                                                          |
| 2700                 | 2690      |  |  |   |  |  |  |
|                      |           | 1M05-1527                                                                         | 1M05-1827                                                                         | 1M05-2127                                                                          | 1M05-2427                                                                          | 1M05-2727                                                                           | 1M05-3027                                                                           |
|                      |           | 3000                                                                              | 2990                                                                              |   |   |    |   |
| 1M05-1530            | 1M05-1830 |                                                                                   |                                                                                   | 1M05-2130                                                                          | 1M05-2430                                                                          | 1M05-2730                                                                           | 1M05-3030                                                                           |
| 3300                 | 3290      |                                                                                   |                                                                                   |  |  |   |  |
|                      |           | 1M05-1533                                                                         | 1M05-1833                                                                         | 1M05-2133                                                                          | 1M05-2433                                                                          | 1M05-2733                                                                           | 1M05-3033                                                                           |
|                      |           | 1M05 型钢防火门选用图(二)                                                                  |                                                                                   |                                                                                    |                                                                                    |                                                                                     |                                                                                     |
| 审核 王祖光 校对 王祖光 设计 张淑萍 |           |                                                                                   |                                                                                   |                                                                                    |                                                                                    | 页                                                                                   | 18                                                                                  |

| 洞口尺寸 |      |      | 800       | 900        | 1000       | 1200       | 1500       | 1800       | 2100       |            |
|------|------|------|-----------|------------|------------|------------|------------|------------|------------|------------|
| 框口尺寸 |      |      | 780       | 880        | 980        | 1180       | 1480       | 1780       | 2080       |            |
|      |      |      |           |            |            |            |            |            |            |            |
| 2000 | 1990 |      |           |            |            |            |            |            |            |            |
|      |      |      | 1M06-0820 | 1M06-0920  | 1M06-1020  | 1M06-1220  | 1M06-1520  | 1M06-1820  | 1M06-2120  |            |
|      |      |      |           |            |            |            |            |            |            |            |
|      |      |      |           |            |            |            |            |            |            |            |
| 2100 |      | 2090 |           |            |            |            |            |            |            |            |
|      |      |      |           | 1M06-0821  | 1M06-0921  | 1M06-1021  | 1M06-1221  | 1M06-1521  | 1M06-1821  | 1M06-2121  |
|      |      |      |           |            |            |            |            |            |            |            |
|      |      |      |           |            |            |            |            |            |            |            |
| 2400 | 2390 |      |           |            |            |            |            |            |            |            |
|      |      |      |           | 1M06-0824  | 1M06-0924  | 1M06-1024  | 1M06-1224  | 1M06-1524  | 1M06-1824  | 1M06-2124  |
|      |      |      |           |            |            |            |            |            |            |            |
|      |      |      |           |            |            |            |            |            |            |            |
| 2400 |      | 2390 |           |            |            |            |            |            |            |            |
|      |      |      |           | 1M061-0824 | 1M061-0924 | 1M061-1024 | 1M061-1224 | 1M061-1524 | 1M061-1824 | 1M061-2124 |
|      |      |      |           |            |            |            |            |            |            |            |
|      |      |      |           |            |            |            |            |            |            |            |

|                   |     |    |     |    |     |   |     |        |
|-------------------|-----|----|-----|----|-----|---|-----|--------|
| 1M06 型钢防火门选用图 (一) |     |    |     |    |     |   | 图集号 | 03J609 |
| 审核                | 王和光 | 校对 | 王和光 | 设计 | 王和光 | 页 | 19  |        |

| 洞口尺寸 |      |  | 1500       | 1800       | 2100       | 2400       | 2700                 | 3000       |     |        |
|------|------|--|------------|------------|------------|------------|----------------------|------------|-----|--------|
| 框口尺寸 |      |  | 1480       | 1780       | 2080       | 2380       | 2680                 | 2980       |     |        |
|      |      |  | 45 1390 45 | 45 1690 45 | 45 1990 45 | 45 2290 45 | 45 2590 45           | 45 2890 45 |     |        |
| 2700 | 2690 |  |            |            |            |            |                      |            |     |        |
|      |      |  | 1M06-1527  | 1M06-1827  | 1M06-2127  | 1M06-2427  | 1M06-2727            | 1M06-3027  |     |        |
| 3000 | 2990 |  |            |            |            |            |                      |            |     |        |
|      |      |  | 1M06-1530  | 1M06-1830  | 1M06-2130  | 1M06-2430  | 1M06-2730            | 1M06-3030  |     |        |
| 3300 | 3290 |  |            |            |            |            |                      |            |     |        |
|      |      |  | 1M06-1533  | 1M06-1833  | 1M06-2133  | 1M06-2433  | 1M06-2733            | 1M06-3033  |     |        |
|      |      |  |            |            |            |            | 1M06 型钢防火门选用图(二)     |            | 图集号 | 03J609 |
|      |      |  |            |            |            |            | 审核 王沁光 校对 王沁光 设计 张苏萍 |            | 页   | 20     |

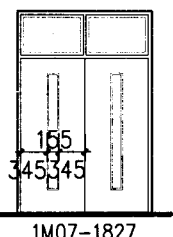
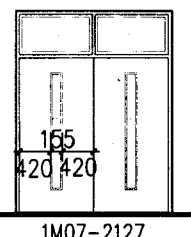
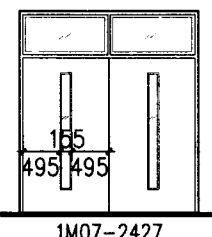
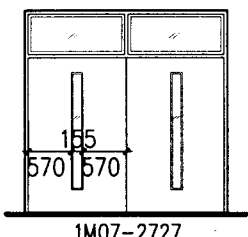
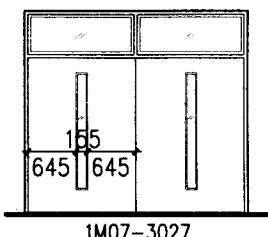
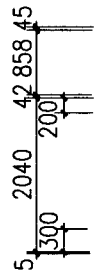
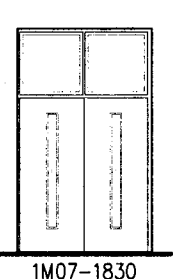
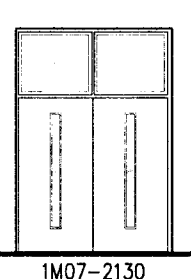
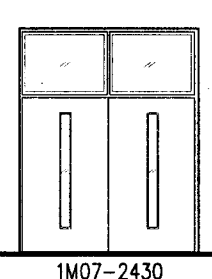
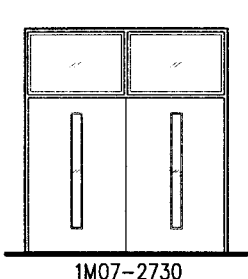
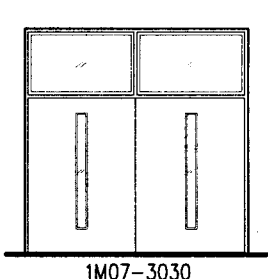
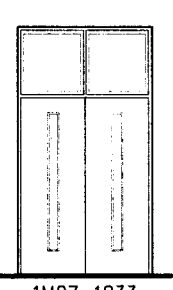
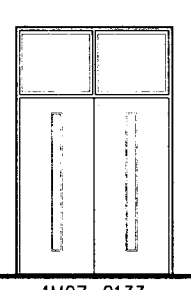
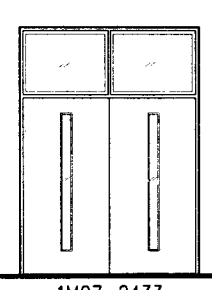
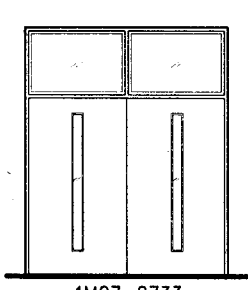
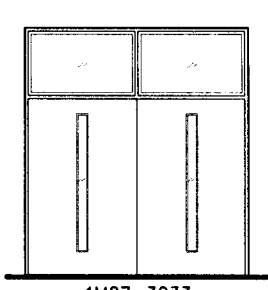
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|------|------|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|      |      | 框口尺寸 | 780            | 880            | 980            | 1180           | 1480           | 1780           | 2080           |
|      |      |      | 45 690 45      | 45 790 45      | 45 890 45      | 45 1090 45     | 45 1390 45     | 45 1690 45     | 45 1990 45     |
| 2000 | 1990 |      | <br>1M07-0820  | <br>1M07-0920  | <br>1M07-1020  | <br>1M07-1220  | <br>1M07-1520  | <br>1M07-1820  | <br>1M07-2120  |
| 2100 | 2090 |      | <br>1M07-0821  | <br>1M07-0921  | <br>1M07-1021  | <br>1M07-1221  | <br>1M07-1521  | <br>1M07-1821  | <br>1M07-2121  |
| 2400 | 2390 |      | <br>1M07-0824  | <br>1M07-0924  | <br>1M07-1024  | <br>1M07-1224  | <br>1M07-1524  | <br>1M07-1824  | <br>1M07-2124  |
| 2400 | 2390 |      | <br>1M071-0824 | <br>1M071-0924 | <br>1M071-1024 | <br>1M071-1224 | <br>1M071-1524 | <br>1M071-1824 | <br>1M071-2124 |

1M07 型钢防火门选用图 (一)

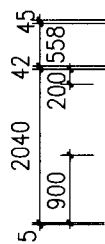
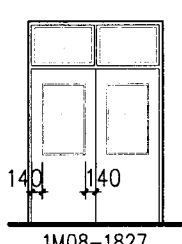
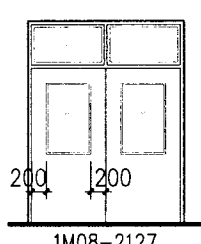
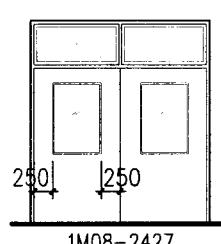
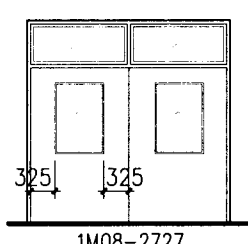
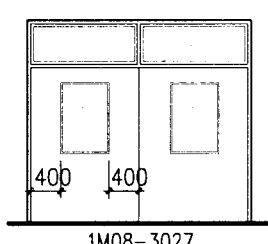
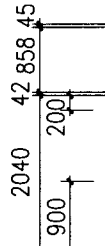
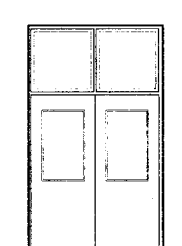
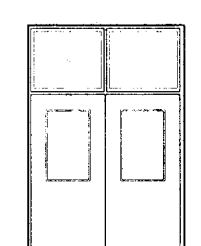
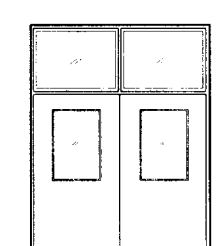
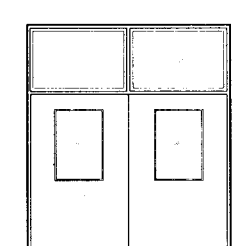
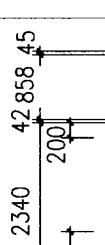
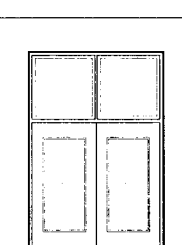
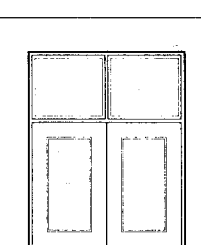
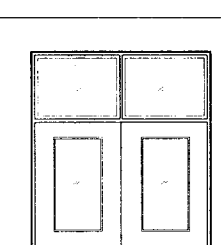
审核 王祖光 校对 李云 设计 张淑萍

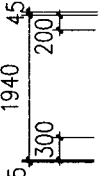
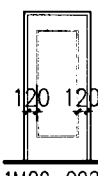
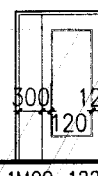
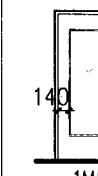
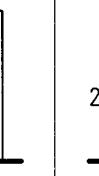
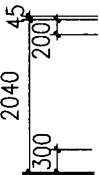
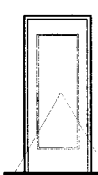
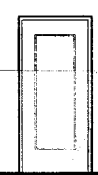
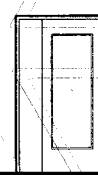
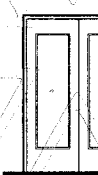
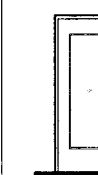
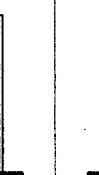
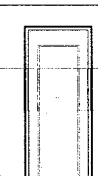
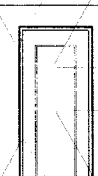
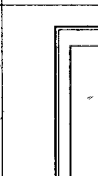
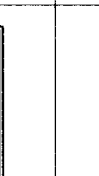
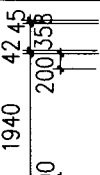
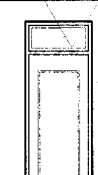
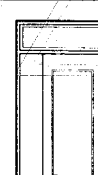
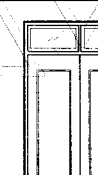
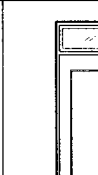
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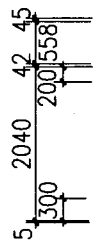
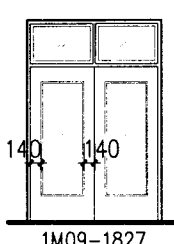
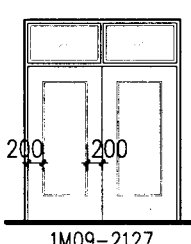
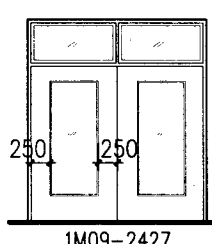
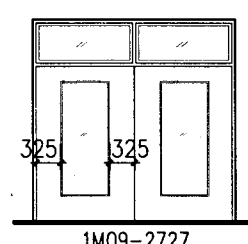
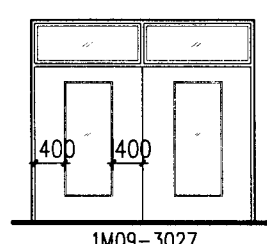
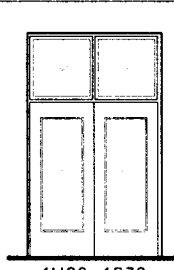
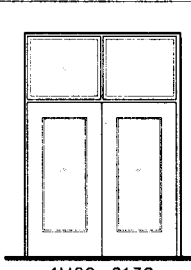
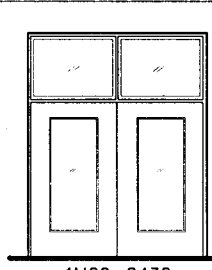
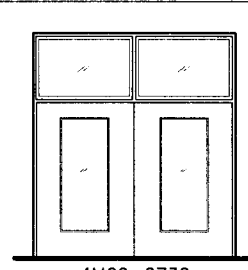
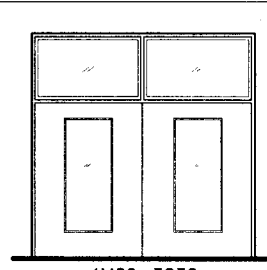
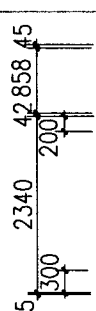
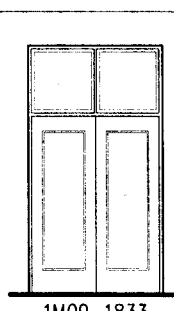
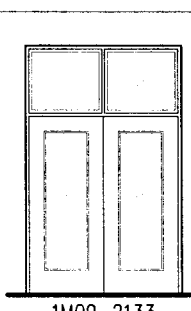
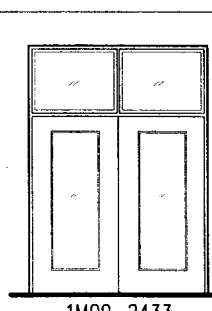
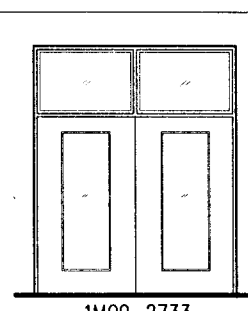
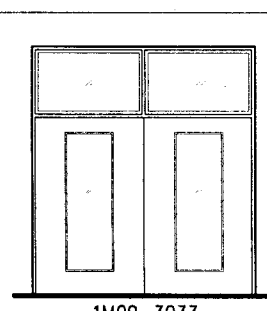
页 21

| 洞口尺寸              |      | 1500                                                                                            | 1800                                                                                            | 2100                                                                                            | 2400                                                                                              | 2700                                                                                              | 3000                                                                                              |
|-------------------|------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 框口尺寸              |      | 1480                                                                                            | 1780                                                                                            | 2080                                                                                            | 2380                                                                                              | 2680                                                                                              | 2980                                                                                              |
|                   |      | 45 1390 45                                                                                      | 45 1690 45                                                                                      | 45 1990 45                                                                                      | 45 2290 45                                                                                        | 45 2590 45                                                                                        | 45 2890 45                                                                                        |
| 2700              | 2690 | <br>1M07-1527  | <br>1M07-1827  | <br>1M07-2127  | <br>1M07-2427  | <br>1M07-2727  | <br>1M07-3027  |
| 3000              | 2990 | <br>1M07-1530  | <br>1M07-1830  | <br>1M07-2130  | <br>1M07-2430  | <br>1M07-2730  | <br>1M07-3030  |
| 3300              | 3290 | <br>1M07-1533 | <br>1M07-1833 | <br>1M07-2133 | <br>1M07-2433 | <br>1M07-2733 | <br>1M07-3033 |
| 1M07 型钢防火门选用图 (二) |      |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                   | 图集号                                                                                               | 03J609                                                                                            |
|                   |      |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                   | 审核 王旭光 校对 张岳 设计 张淑萍                                                                               | 页 22                                                                                              |

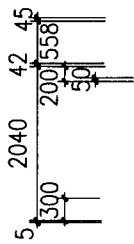
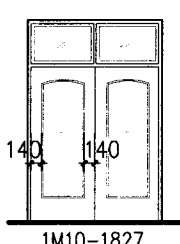
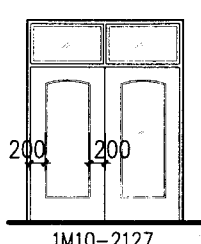
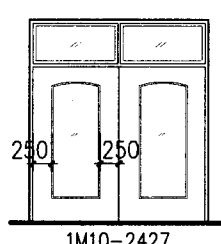
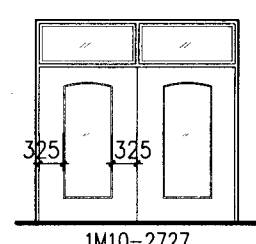
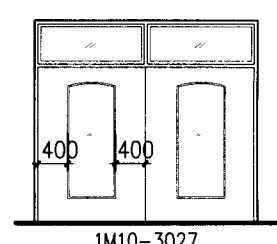
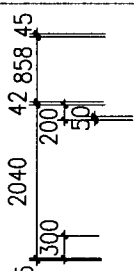
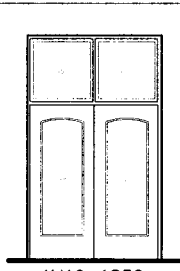
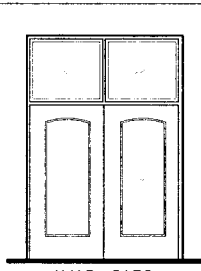
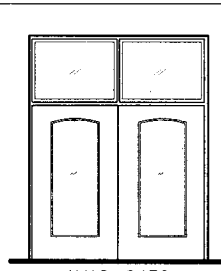
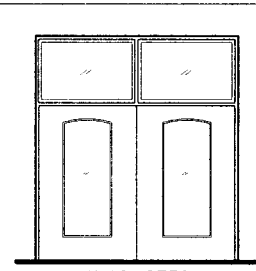
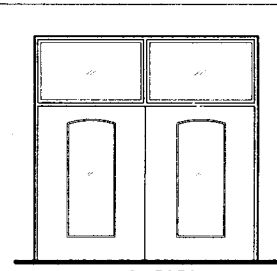
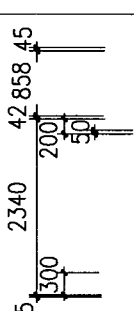
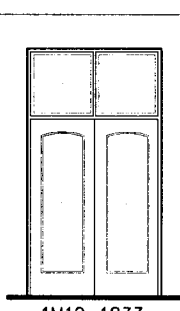
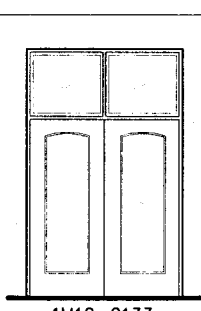
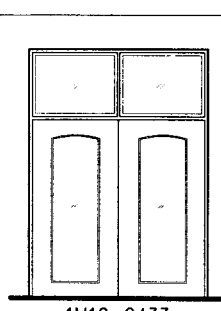
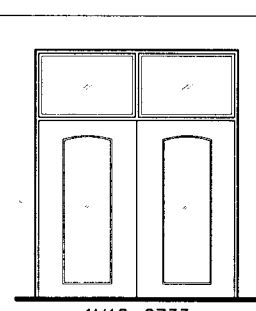
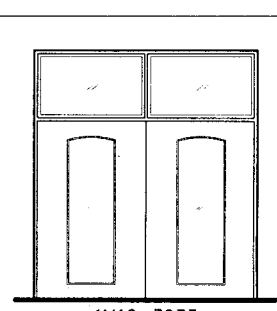


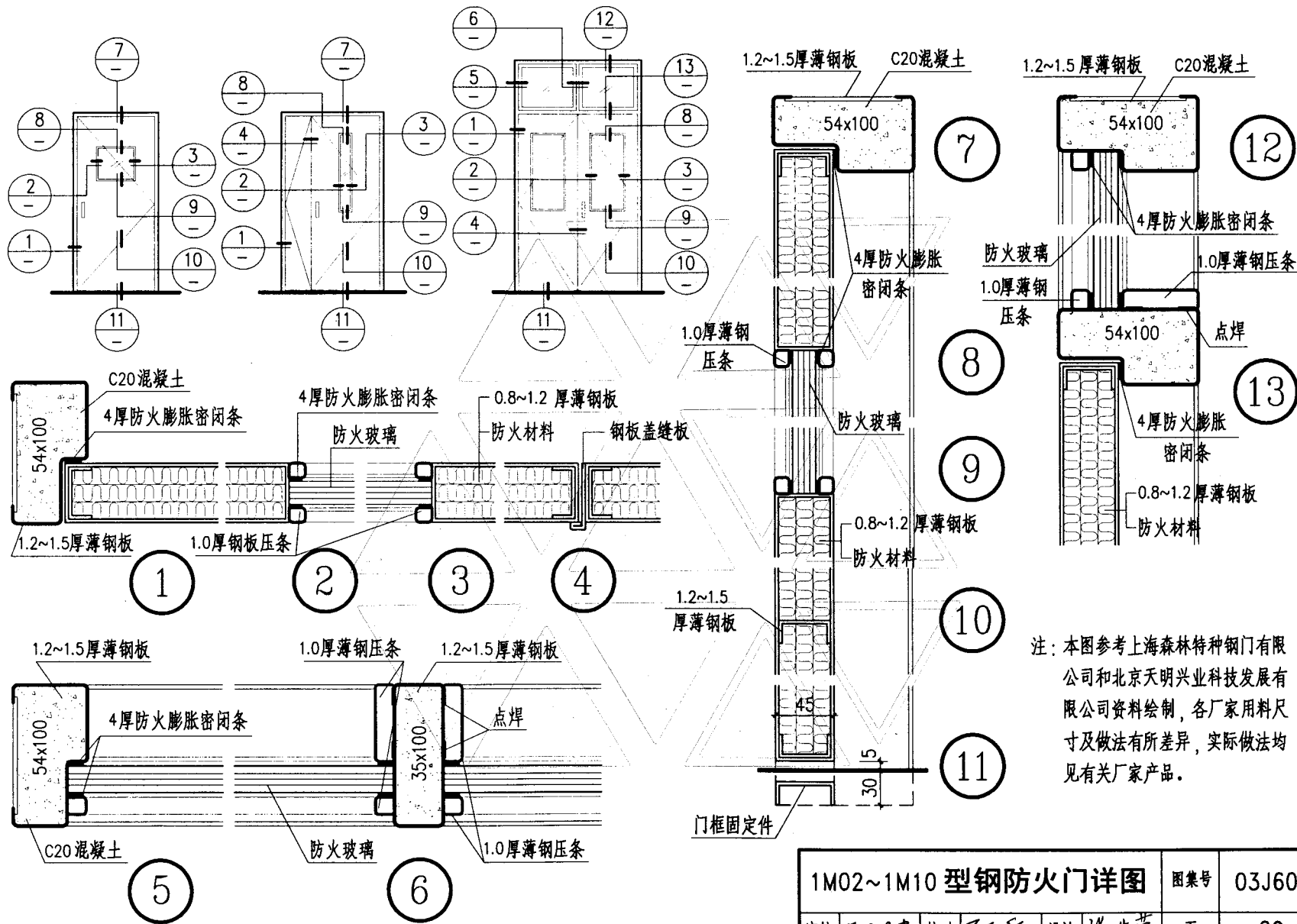
| 洞口尺寸                |                   | 1500                                                                              | 1800                                                                              | 2100                                                                              | 2400                                                                                | 2700                                                                                | 3000                                                                                |                                                                                      |
|---------------------|-------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 框口尺寸                |                   | 1480                                                                              | 1780                                                                              | 2080                                                                              | 2380                                                                                | 2680                                                                                | 2980                                                                                |                                                                                      |
|                     |                   | 45 1390 45                                                                        | 45 1690 45                                                                        | 45 1990 45                                                                        | 45 2290 45                                                                          | 45 2590 45                                                                          | 45 2890 45                                                                          |                                                                                      |
| 2700                | 2690              |  |  |  |  |  |  |                                                                                      |
|                     |                   | 1M08-1527                                                                         | 1M08-1827                                                                         | 1M08-2127                                                                         | 1M08-2427                                                                           | 1M08-2727                                                                           | 1M08-3027                                                                           |                                                                                      |
|                     |                   | 3000                                                                              | 2990                                                                              |  |    |    |  |   |
| 1M08-1530           |                   |                                                                                   |                                                                                   | 1M08-1830                                                                         | 1M08-2130                                                                           | 1M08-2430                                                                           | 1M08-2730                                                                           | 1M08-3030                                                                            |
| 3300                |                   |                                                                                   |                                                                                   | 3290                                                                              |   |   |   |  |
|                     | 1M08-1533         | 1M08-1833                                                                         |                                                                                   |                                                                                   | 1M08-2133                                                                           | 1M08-2433                                                                           | 1M08-2733                                                                           | 1M08-3033                                                                            |
|                     | 1M08 型钢防火门选用图 (二) |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | 图集号                                                                                 | 03J609                                                                               |
| 审核 王祖光 校对 王岳 设计 张淑萍 |                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 页                                                                                   | 24                                                                                  |                                                                                      |

| 洞口尺寸 |      | 800                                                                                                       | 900                                                                                                       | 1000                                                                                                      | 1200                                                                                                       | 1500                                                                                                        | 1800                                                                                                        | 2100                                                                                                        |                                                                                                    |        |
|------|------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------|
| 框口尺寸 |      | 780                                                                                                       | 880                                                                                                       | 980                                                                                                       | 1180                                                                                                       | 1480                                                                                                        | 1780                                                                                                        | 2080                                                                                                        |                                                                                                    |        |
|      |      | 45 690 45<br>            | 45 790 45<br>            | 45 890 45<br>            | 45 1090 45<br>           | 45 1390 45<br>           | 45 1690 45<br>           | 45 1990 45<br>           |                                                                                                    |        |
| 2000 | 1990 | <br>120 120<br>1M09-0820 | <br>120 120<br>1M09-0920 | <br>170 170<br>1M09-1020 | <br>300 120<br>1M09-1220 | <br>120 120<br>1M09-1520 | <br>140 140<br>1M09-1820 | <br>200 200<br>1M09-2120 |                                                                                                    |        |
|      | 2100 | 2090                                                                                                      | <br>1M09-0821            | <br>1M09-0921            | <br>1M09-1021             | <br>1M09-1221             | <br>1M09-1521            | <br>1M09-1821            | <br>1M09-2121   |        |
| 2400 | 2390 | <br>1M09-0824            | <br>1M09-0924            | <br>1M09-1024            | <br>1M09-1224            | <br>1M09-1524            | <br>1M09-1824            | <br>1M09-2124            |                                                                                                    |        |
|      | 2400 | 2390                                                                                                      | <br>1M091-0824          | <br>1M091-0924          | <br>1M091-1024           | <br>1M091-1224           | <br>1M091-1524          | <br>1M091-1824          | <br>1M091-2124 |        |
|      |      | <div>1M09 型钢防火门选用图 (一)</div> <div>审核 王沁光 校对 张兵 设计 张淑萍</div>                                               |                                                                                                           |                                                                                                           |                                                                                                            |                                                                                                             |                                                                                                             |                                                                                                             | 图集号                                                                                                | 03J609 |
|      |      |                                                                                                           |                                                                                                           |                                                                                                           |                                                                                                            |                                                                                                             |                                                                                                             |                                                                                                             | 页                                                                                                  | 25     |

| 洞口尺寸 |      | 1500                                                                               | 1800                                                                               | 2100                                                                               | 2400                                                                                 | 2700                                                                                 | 3000                                                                                 |        |    |
|------|------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------|----|
| 框口尺寸 |      | 1480                                                                               | 1780                                                                               | 2080                                                                               | 2380                                                                                 | 2680                                                                                 | 2980                                                                                 |        |    |
|      |      | 45 1390 45                                                                         | 45 1690 45                                                                         | 45 1990 45                                                                         | 45 2290 45                                                                           | 45 2590 45                                                                           | 45 2890 45                                                                           |        |    |
| 2700 | 2690 |   |   |   |   |   |   |        |    |
|      |      | 1M09-1527                                                                          | 1M09-1827                                                                          | 1M09-2127                                                                          | 1M09-2427                                                                            | 1M09-2727                                                                            | 1M09-3027                                                                            |        |    |
| 3000 | 2990 |   |   |   |   |   |   |        |    |
|      |      | 1M09-1530                                                                          | 1M09-1830                                                                          | 1M09-2130                                                                          | 1M09-2430                                                                            | 1M09-2730                                                                            | 1M09-3030                                                                            |        |    |
| 3300 | 3290 |  |  |  |  |  |  |        |    |
|      |      | 1M09-1533                                                                          | 1M09-1833                                                                          | 1M09-2133                                                                          | 1M09-2433                                                                            | 1M09-2733                                                                            | 1M09-3033                                                                            |        |    |
|      |      | 1M09 型钢防火门选用图 (二)                                                                  |                                                                                    |                                                                                    |                                                                                      |                                                                                      | 图集号                                                                                  | 03J609 |    |
|      |      | 审核                                                                                 | 王旭光                                                                                | 校对                                                                                 | 王三岳                                                                                  | 设计                                                                                   | 徐苏萍                                                                                  | 页      | 26 |



| 洞口尺寸 |      | 1500                                                                                            | 1800                                                                                            | 2100                                                                                            | 2400                                                                                              | 2700                                                                                              | 3000                                                                                              |                                                                                                  |        |    |     |   |    |
|------|------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------|----|-----|---|----|
| 框口尺寸 |      | 1480                                                                                            | 1780                                                                                            | 2080                                                                                            | 2380                                                                                              | 2680                                                                                              | 2980                                                                                              |                                                                                                  |        |    |     |   |    |
|      |      | 45 1390 45                                                                                      | 45 1690 45                                                                                      | 45 1990 45                                                                                      | 45 2290 45                                                                                        | 45 2590 45                                                                                        | 45 2890 45                                                                                        |                                                                                                  |        |    |     |   |    |
| 2700 | 2690 | <br>1M10-1527  | <br>1M10-1827  | <br>1M10-2127  | <br>1M10-2427  | <br>1M10-2727  | <br>1M10-3027  |                                                                                                  |        |    |     |   |    |
|      | 3000 | 2990                                                                                            | <br>1M10-1530  | <br>1M10-1830  | <br>1M10-2130    | <br>1M10-2430  | <br>1M10-2730  | <br>1M10-3030 |        |    |     |   |    |
| 3300 | 3290 | <br>1M10-1533 | <br>1M10-1833 | <br>1M10-2133 | <br>1M10-2433 | <br>1M10-2733 | <br>1M10-3033 |                                                                                                  |        |    |     |   |    |
|      |      |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                   | 1M10 型钢防火门选用图(二)                                                                                  |                                                                                                   | 图集号                                                                                              | 03J609 |    |     |   |    |
|      |      |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                   | 审核                                                                                                | 王初光                                                                                               | 校对                                                                                               | 张苏萍    | 设计 | 张苏萍 | 页 | 28 |

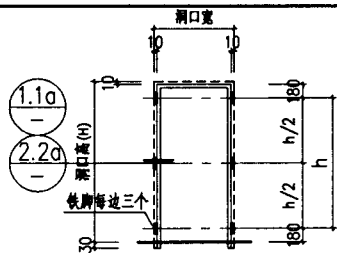


注：本图参考上海森林特种钢门有限公司和北京天明兴业科技发展有限公司资料绘制，各厂家用料尺寸及做法有所差异，实际做法均见有关厂家产品。

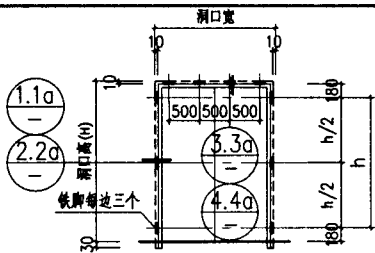
1M02~1M10 型钢防火门详图

图集号 03J609

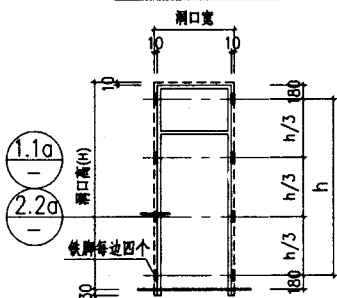
审核 王祖亮 校对 王祖亮 设计 潘苏萍 页 29



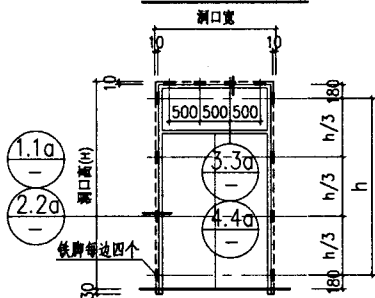
单扇门立口缝隙及铁脚连接位置立面



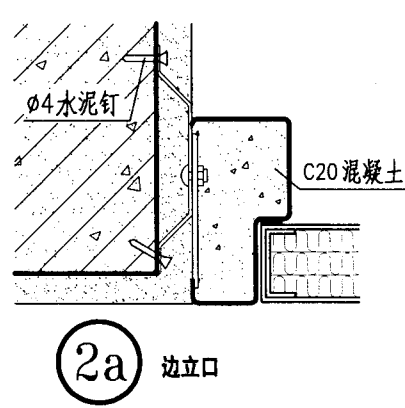
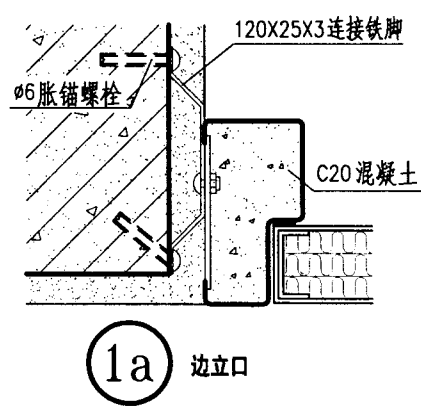
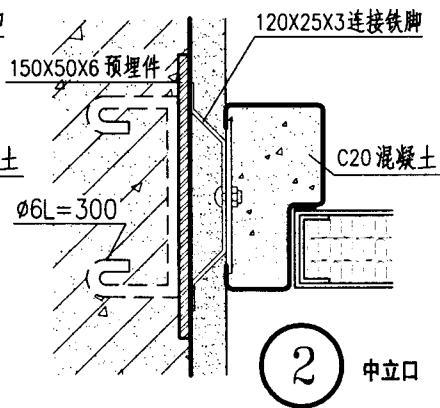
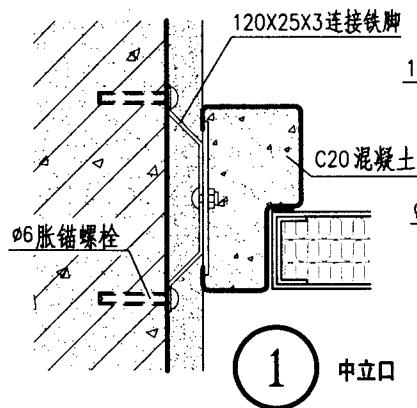
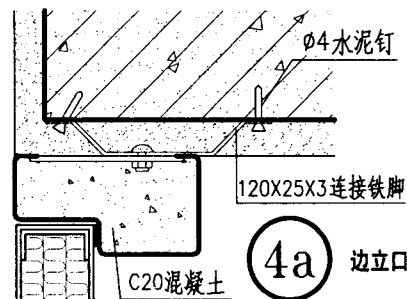
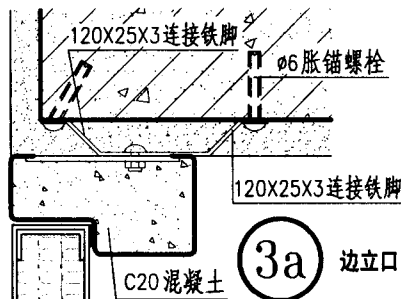
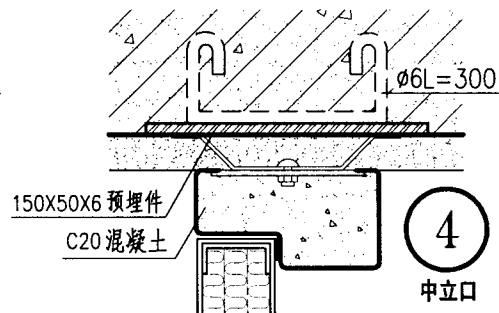
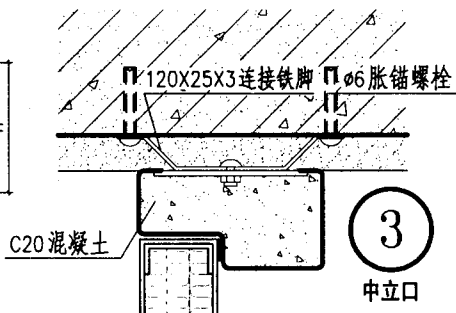
双扇门立口缝隙及铁脚连接位置立面



带亮门立口缝隙及铁脚连接位置立面



带亮门立口缝隙及铁脚连接位置立面



注:

适用墙体: a. 钢筋混凝土墙; b. 混凝土空心砌块墙 (门两侧的空心砌块用混凝土填充); 或作钢筋混凝土构造柱。

c. 砖墙; d. 其它轻型防火隔墙 (两侧作钢筋混凝土构造柱)。

1M 钢防火门洞口与门框连接  
安装详图

图集号

03J609

审核

王祖光

校对

王祖光

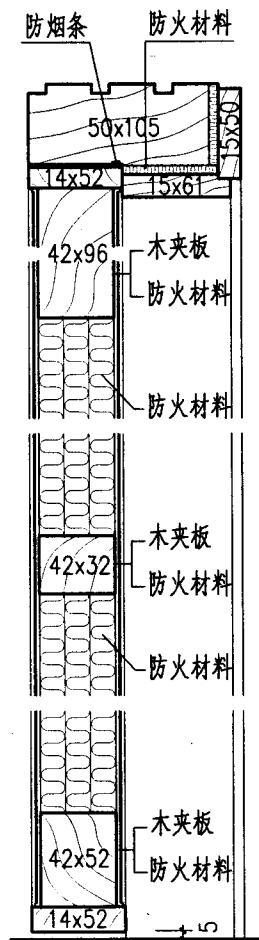
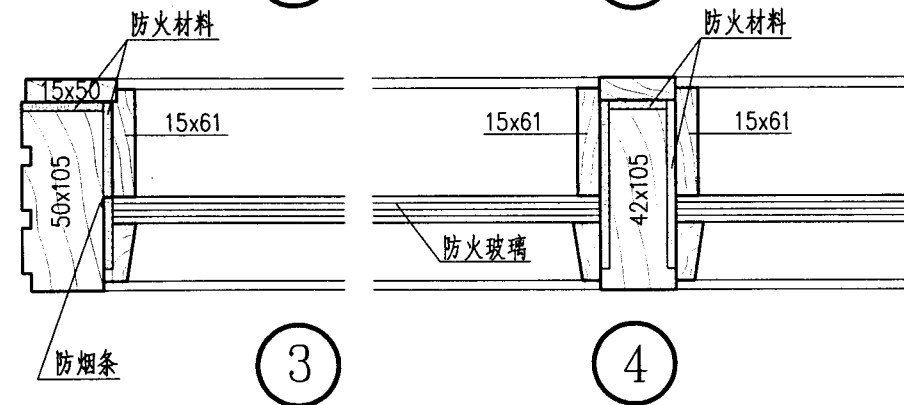
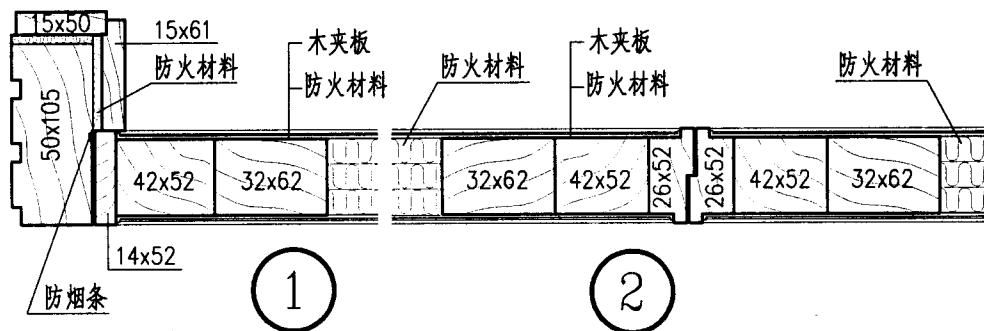
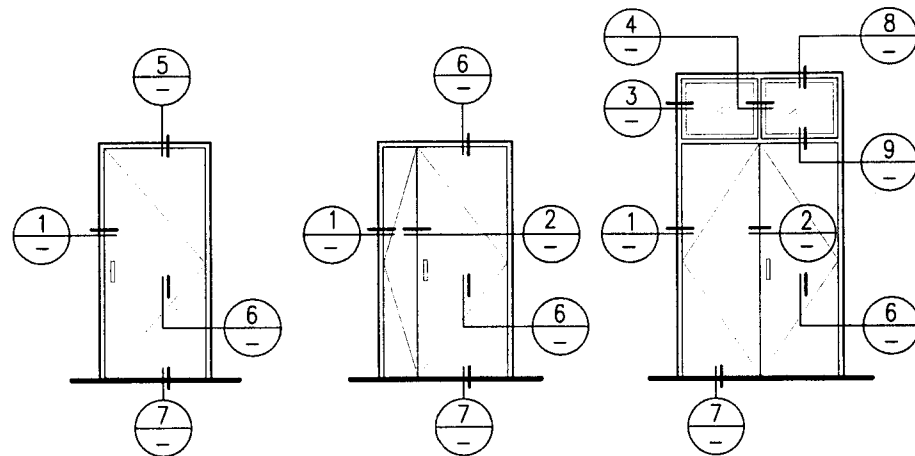
设计

张淑萍

页

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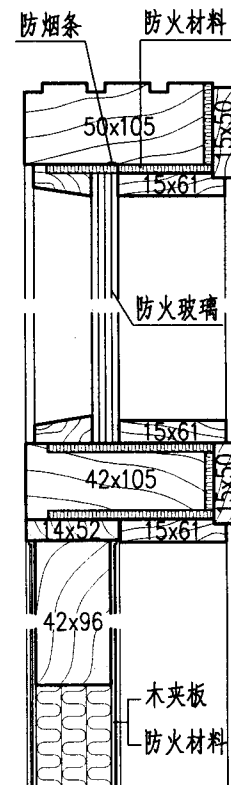
| 洞口尺寸 |      |           | 800       | 900       | 1000      | 1200       | 1500           | 1800       | 2100       |        |    |     |   |    |
|------|------|-----------|-----------|-----------|-----------|------------|----------------|------------|------------|--------|----|-----|---|----|
| 框口尺寸 |      |           | 780       | 880       | 980       | 1180       | 1480           | 1780       | 2080       |        |    |     |   |    |
|      |      |           | 45 690 45 | 45 790 45 | 45 890 45 | 45 1090 45 | 45 1390 45     | 45 1690 45 | 45 1990 45 |        |    |     |   |    |
| 2000 | 1990 |           |           |           |           |            |                |            |            |        |    |     |   |    |
|      |      | 2M01-0820 | 2M01-0920 | 2M01-1020 | 2M01-1220 | 2M01-1520  | 2M01-1820      | 2M01-2120  |            |        |    |     |   |    |
| 2100 | 2090 |           |           |           |           |            |                |            |            |        |    |     |   |    |
|      |      | 2M01-0821 | 2M01-0921 | 2M01-1021 | 2M01-1221 | 2M01-1521  | 2M01-1821      | 2M01-2121  |            |        |    |     |   |    |
| 2400 | 2390 |           |           |           |           |            |                |            |            |        |    |     |   |    |
|      |      | 2M01-0824 | 2M01-0924 | 2M01-1024 | 2M01-1224 | 2M01-1524  | 2M01-1824      | 2M01-2124  |            |        |    |     |   |    |
| 2700 | 2690 |           |           |           |           |            |                |            |            |        |    |     |   |    |
|      |      | 2M01-0827 | 2M01-0927 | 2M01-1027 | 2M01-1227 | 2M01-1527  | 2M01-1827      | 2M01-2127  |            |        |    |     |   |    |
|      |      |           |           |           |           |            | 2M01型木夹板防火门选用图 |            | 图集号        | 03J609 |    |     |   |    |
|      |      |           |           |           |           |            | 审核             | 王祖光        | 校对         | 张岳     | 设计 | 徐苏萍 | 页 | 31 |



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2M01型木夹板防火门详图

图集号

03J609

审核

王亚光

校对

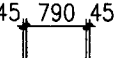
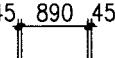
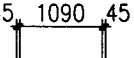
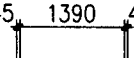
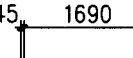
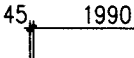
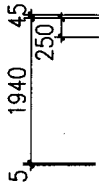
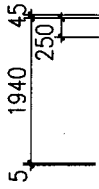
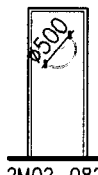
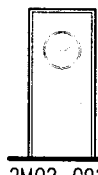
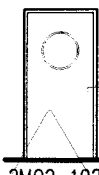
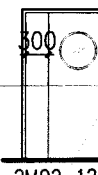
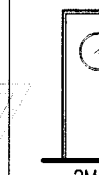
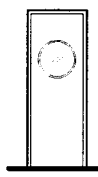
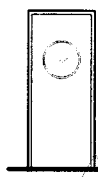
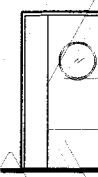
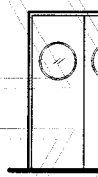
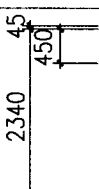
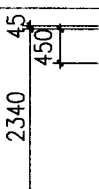
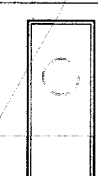
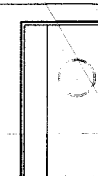
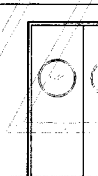
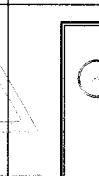
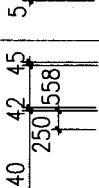
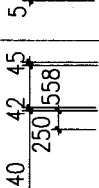
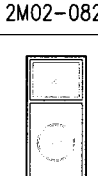
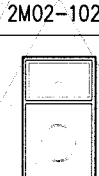
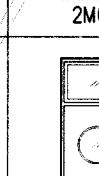
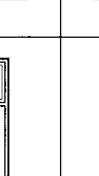
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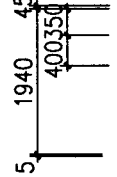
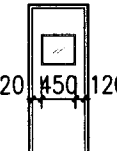
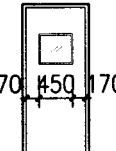
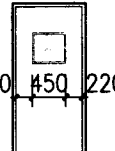
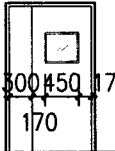
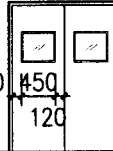
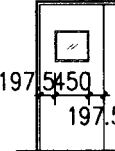
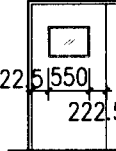
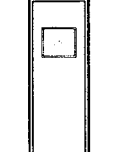
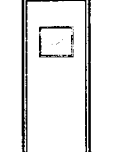
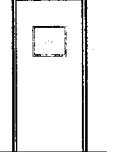
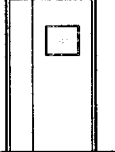
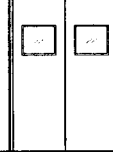
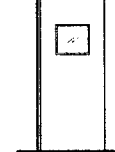
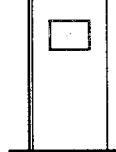
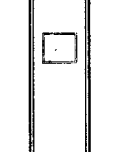
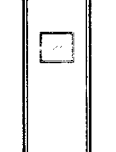
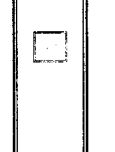
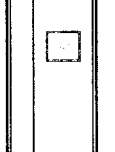
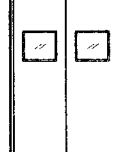
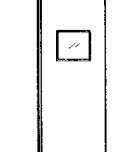
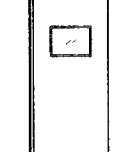
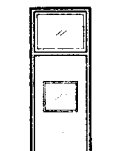
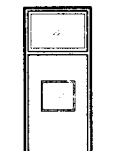
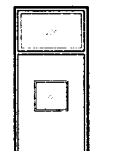
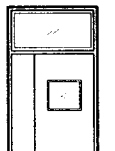
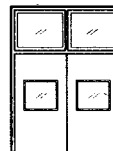
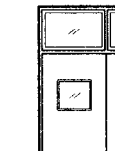
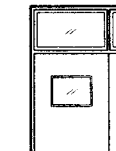
设计

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| 洞口尺寸                                                     |      |                                                                                                                                                                                                     | 800                                                                                             | 900                                                                                             | 1000                                                                                            | 1200                                                                                             | 1500                                                                                              | 1800                                                                                              | 2100                                                                                              |
|----------------------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 框口尺寸                                                     |      |                                                                                                                                                                                                     | 780                                                                                             | 880                                                                                             | 980                                                                                             | 1180                                                                                             | 1480                                                                                              | 1780                                                                                              | 2080                                                                                              |
|                                                          |      |                                                                                                                                                                                                     | 45 690 45<br>  | 45 790 45<br>  | 45 890 45<br>  | 45 1090 45<br> | 45 1390 45<br> | 45 1690 45<br> | 45 1990 45<br> |
| 2000                                                     | 1990 | <br>5 1940 45<br>                 | <br>2M02-0820  | <br>2M02-0920  | <br>2M02-1020  | <br>2M02-1220  | <br>2M02-1520  | <br>2M02-1820  | <br>2M02-2120  |
|                                                          |      | <br>5 2040 45<br>                 | <br>2M02-0821  | <br>2M02-0921  | <br>2M02-1021  | <br>2M02-1221  | <br>2M02-1521  | <br>2M02-1821  | <br>2M02-2121  |
|                                                          |      | <br>5 2340 45<br>                 | <br>2M02-0824  | <br>2M02-0924  | <br>2M02-1024  | <br>2M02-1224  | <br>2M02-1524  | <br>2M02-1824  | <br>2M02-2124  |
|                                                          |      | <br>5 2040 42 45<br>250 558<br> | <br>2M02-0827 | <br>2M02-0927 | <br>2M02-1027 | <br>2M02-1227 | <br>2M02-1527 | <br>2M02-1827 | <br>2M02-2127 |
| <div>2M02 型木夹板防火门选用图</div> <div>审核 王祖光 校对 王兵 设计 张磊</div> |      |                                                                                                                                                                                                     |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                  |                                                                                                   |                                                                                                   |                                                                                                   |
| <div>图集号 03J609</div> <div>页 33</div>                    |      |                                                                                                                                                                                                     |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                  |                                                                                                   |                                                                                                   |                                                                                                   |

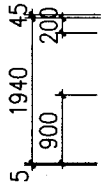
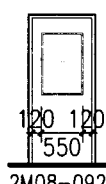
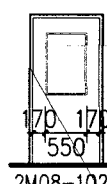
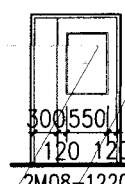
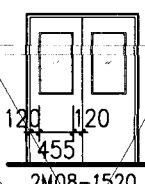
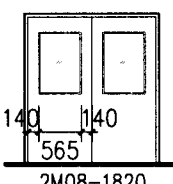
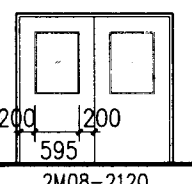
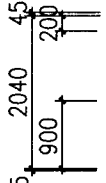
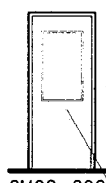
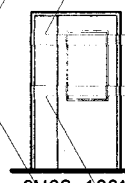
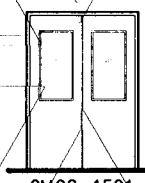
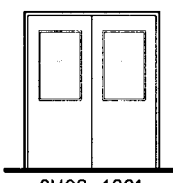
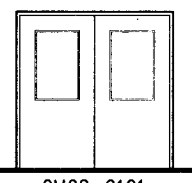
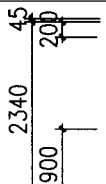
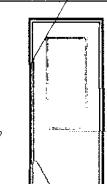
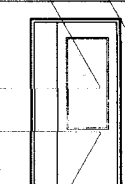
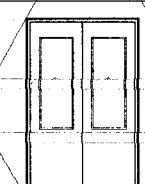
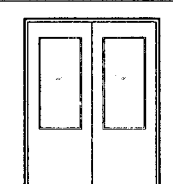
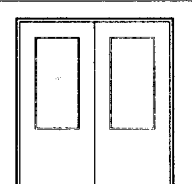
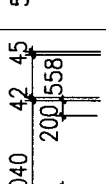
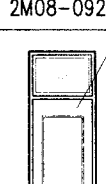
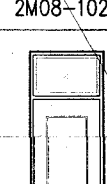
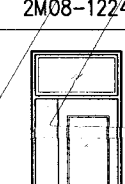
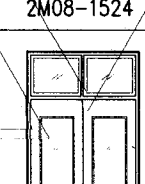
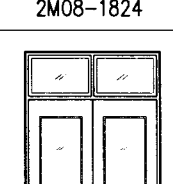
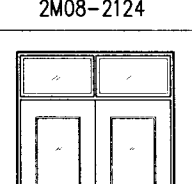
| 洞口尺寸 |      |                                                                                   | 800                                                                                                           | 900                                                                                                           | 1000                                                                                                          | 1200                                                                                                           | 1500                                                                                                            | 1800                                                                                                                | 2100                                                                                                                |     |    |    |   |    |  |  |
|------|------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----|----|----|---|----|--|--|
| 框口尺寸 |      |                                                                                   | 780                                                                                                           | 880                                                                                                           | 980                                                                                                           | 1180                                                                                                           | 1480                                                                                                            | 1780                                                                                                                | 2080                                                                                                                |     |    |    |   |    |  |  |
|      |      |                                                                                   | 45. 690. 45<br>              | 45. 790. 45<br>              | 45. 890. 45<br>              | 45. 1090. 45<br>             | 45. 1390. 45<br>             | 45. 1690. 45<br>                 | 45. 1990. 45<br>                 |     |    |    |   |    |  |  |
| 2000 | 1990 |  | <br>120 150 120<br>2M03-0820 | <br>170 150 170<br>2M03-0920 | <br>220 150 220<br>2M03-1020 | <br>300 150 170<br>2M03-1220 | <br>120 150 120<br>2M03-1520 | <br>197.5 150 197.5<br>2M03-1820 | <br>222.5 150 222.5<br>2M03-2120 |     |    |    |   |    |  |  |
|      |      |                                                                                   | <br>2M03-0821                | <br>2M03-0921                | <br>2M03-1021                | <br>2M03-1221                | <br>2M03-1521                | <br>2M03-1821                    | <br>2M03-2121                    |     |    |    |   |    |  |  |
|      |      |                                                                                   | <br>2M03-0824                | <br>2M03-0924                | <br>2M03-1024                | <br>2M03-1224                | <br>2M03-1524                | <br>2M03-1824                    | <br>2M03-2124                    |     |    |    |   |    |  |  |
|      |      |                                                                                   | <br>2M03-0827               | <br>2M03-0927               | <br>2M03-1027               | <br>2M03-1227               | <br>2M03-1527               | <br>2M03-1827                   | <br>2M03-2127                   |     |    |    |   |    |  |  |
|      |      |                                                                                   |                                                                                                               |                                                                                                               |                                                                                                               |                                                                                                                | 2M03 型木夹板防火门选用图                                                                                                 |                                                                                                                     |                                                                                                                     |     |    |    |   |    |  |  |
|      |      |                                                                                   |                                                                                                               |                                                                                                               |                                                                                                               |                                                                                                                | 图集号                                                                                                             |                                                                                                                     | 03J609                                                                                                              |     |    |    |   |    |  |  |
|      |      |                                                                                   |                                                                                                               |                                                                                                               |                                                                                                               |                                                                                                                | 审核                                                                                                              | 王祖光                                                                                                                 | 校对                                                                                                                  | 王祖光 | 设计 | 张磊 | 页 | 34 |  |  |

| 洞口尺寸 |      | 800 | 900 | 1000 | 1200 | 1500            | 1800 | 2100 |
|------|------|-----|-----|------|------|-----------------|------|------|
| 框口尺寸 |      | 780 | 880 | 980  | 1180 | 1480            | 1780 | 2080 |
|      |      |     |     |      |      |                 |      |      |
| 2000 | 1990 |     |     |      |      |                 |      |      |
| 2100 | 2090 |     |     |      |      |                 |      |      |
| 2400 | 2390 |     |     |      |      |                 |      |      |
| 2700 | 2690 |     |     |      |      |                 |      |      |
|      |      |     |     |      |      | 2M04 型木夹板防火门选用图 |      | 图集号  |
|      |      |     |     |      |      | 03J609          |      |      |
|      |      |     |     |      |      | 审核              | 王祖光  | 校对   |
|      |      |     |     |      |      | 设计              | 张嘉萍  | 页    |
|      |      |     |     |      |      | 35              |      |      |



| 洞口尺寸 |      |  | 800           | 900           | 1000          | 1200           | 1500                | 1800           | 2100           |        |
|------|------|--|---------------|---------------|---------------|----------------|---------------------|----------------|----------------|--------|
| 框口尺寸 |      |  | 780           | 880           | 980           | 1180           | 1480                | 1780           | 2080           |        |
|      |      |  | 45 690 45<br> | 45 790 45<br> | 45 890 45<br> | 45 1090 45<br> | 45 1390 45<br>      | 45 1690 45<br> | 45 1990 45<br> |        |
| 2000 | 1990 |  | <br>2M06-0820 | <br>2M06-0920 | <br>2M06-1020 | <br>2M06-1220  | <br>2M06-1520       | <br>2M06-1820  | <br>2M06-2120  |        |
|      |      |  | <br>2M06-0821 | <br>2M06-0921 | <br>2M06-1021 | <br>2M06-1221  | <br>2M06-1521       | <br>2M06-1821  | <br>2M06-2121  |        |
|      |      |  | <br>2M06-0824 | <br>2M06-0924 | <br>2M06-1024 | <br>2M06-1224  | <br>2M06-1524       | <br>2M06-1824  | <br>2M06-2124  |        |
|      |      |  | <br>2M06-0827 | <br>2M06-0927 | <br>2M06-1027 | <br>2M06-1227  | <br>2M06-1527       | <br>2M06-1827  | <br>2M06-2127  |        |
|      |      |  |               |               |               |                | 2M06 型木夹板防火门选用图     |                |                |        |
|      |      |  |               |               |               |                | 审核 王祖光 校对 王岳 设计 潘苏萍 |                | 图集号            | 03J609 |
|      |      |  |               |               |               |                | 页                   | 37             |                |        |

| 洞口尺寸 |      |  | 800                          | 900                          | 1000                         | 1200                     | 1500                             | 1800                             | 2100                             |        |    |
|------|------|--|------------------------------|------------------------------|------------------------------|--------------------------|----------------------------------|----------------------------------|----------------------------------|--------|----|
| 框口尺寸 |      |  | 780                          | 880                          | 980                          | 1180                     | 1480                             | 1780                             | 2080                             |        |    |
|      |      |  | 45 690 45                    | 45 790 45                    | 45 890 45                    | 45 1090 45               | 45 1390 45                       | 45 1690 45                       | 45 1990 45                       |        |    |
| 2000 | 1990 |  | <br>270 150 270<br>2M07-0820 | <br>320 150 320<br>2M07-0920 | <br>370 150 370<br>2M07-1020 | <br>300 320<br>2M07-1220 | <br>150 272.5 272.5<br>2M07-1520 | <br>150 347.5 347.5<br>2M07-1820 | <br>150 422.5 422.5<br>2M07-2120 |        |    |
|      |      |  | <br>2M07-0821                | <br>2M07-0921                | <br>2M07-1021                | <br>2M07-1221            | <br>2M07-1521                    | <br>2M07-1821                    | <br>2M07-2121                    |        |    |
|      |      |  | <br>2M07-0824                | <br>2M07-0924                | <br>2M07-1024                | <br>2M07-1224            | <br>2M07-1524                    | <br>2M07-1824                    | <br>2M07-2124                    |        |    |
|      |      |  | <br>2M07-0827                | <br>2M07-0927                | <br>2M07-1027                | <br>2M07-1227            | <br>2M07-1527                    | <br>2M07-1827                    | <br>2M07-2127                    |        |    |
|      |      |  |                              |                              |                              |                          | 2M07 型木夹板防火门选用图                  |                                  | 图集号                              | 03J609 |    |
|      |      |  |                              |                              |                              |                          | 审核                               | 王旭光                              | 校对                               | 王旭光    | 设计 |

| 洞口尺寸 |      | 800                                                                                             | 900                                                                                             | 1000                                                                                            | 1200                                                                                             | 1500                                                                                              | 1800                                                                                              | 2100                                                                                              |
|------|------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 框口尺寸 |      | 780                                                                                             | 880                                                                                             | 980                                                                                             | 1180                                                                                             | 1480                                                                                              | 1780                                                                                              | 2080                                                                                              |
|      |      | 45 690 45                                                                                       | 45 790 45                                                                                       | 45 890 45                                                                                       | 45 1090 45                                                                                       | 45 1390 45                                                                                        | 45 1690 45                                                                                        | 45 1990 45                                                                                        |
| 2000 | 1990 | <br>2M08-0820  | <br>2M08-0920  | <br>2M08-1020  | <br>2M08-1220  | <br>2M08-1520  | <br>2M08-1820  | <br>2M08-2120  |
|      |      | <br>2M08-0821  | <br>2M08-0921  | <br>2M08-1021  | <br>2M08-1221  | <br>2M08-1521  | <br>2M08-1821  | <br>2M08-2121  |
|      |      | <br>2M08-0824  | <br>2M08-0924  | <br>2M08-1024  | <br>2M08-1224  | <br>2M08-1524  | <br>2M08-1824  | <br>2M08-2124  |
|      |      | <br>2M08-0827 | <br>2M08-0927 | <br>2M08-1027 | <br>2M08-1227 | <br>2M08-1527 | <br>2M08-1827 | <br>2M08-2127 |

2M08 型木夹板防火门选用图

图集号

03J609

审核

王旭光

校对

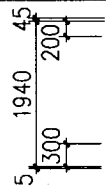
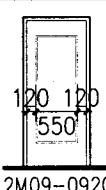
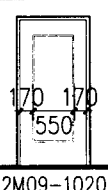
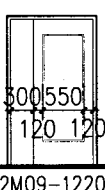
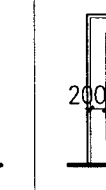
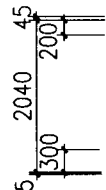
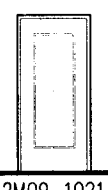
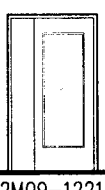
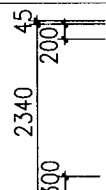
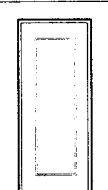
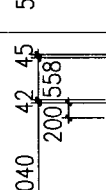
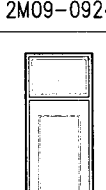
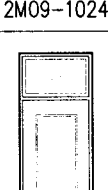
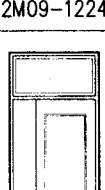
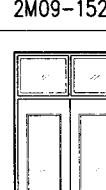
王兵

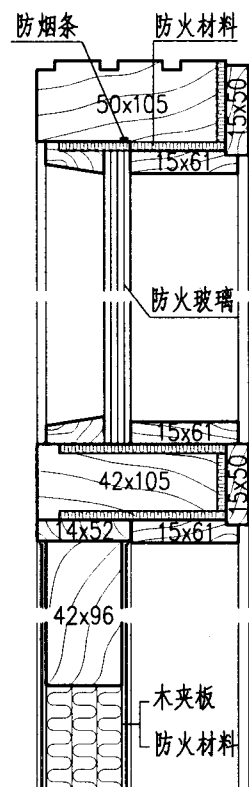
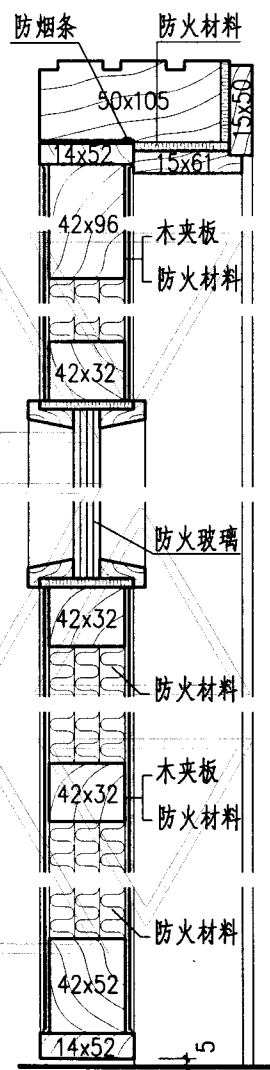
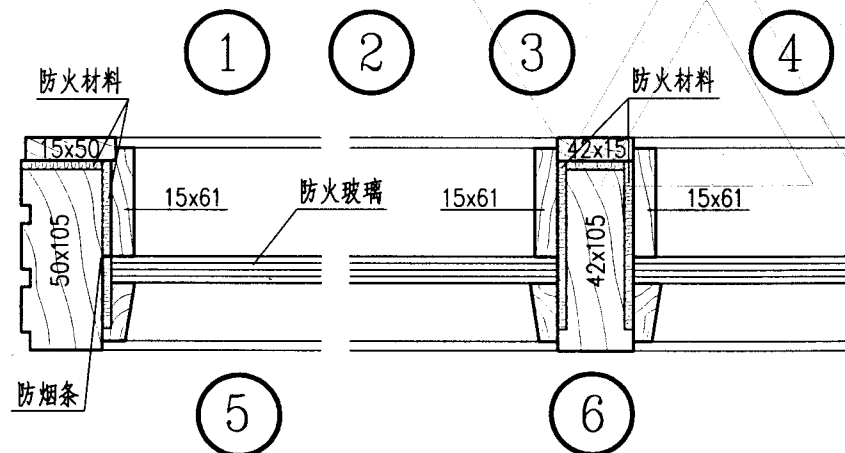
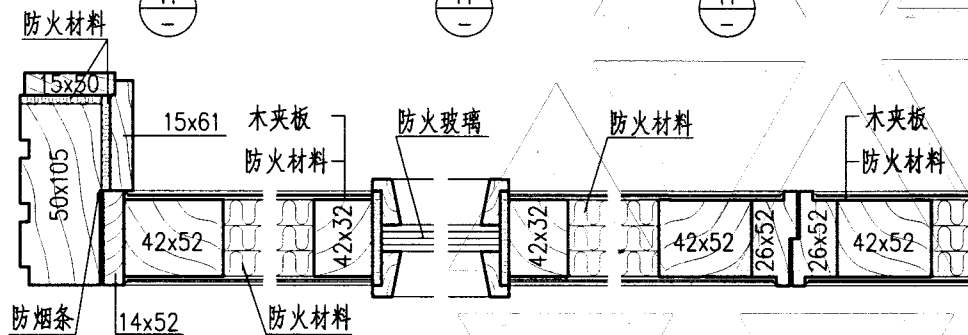
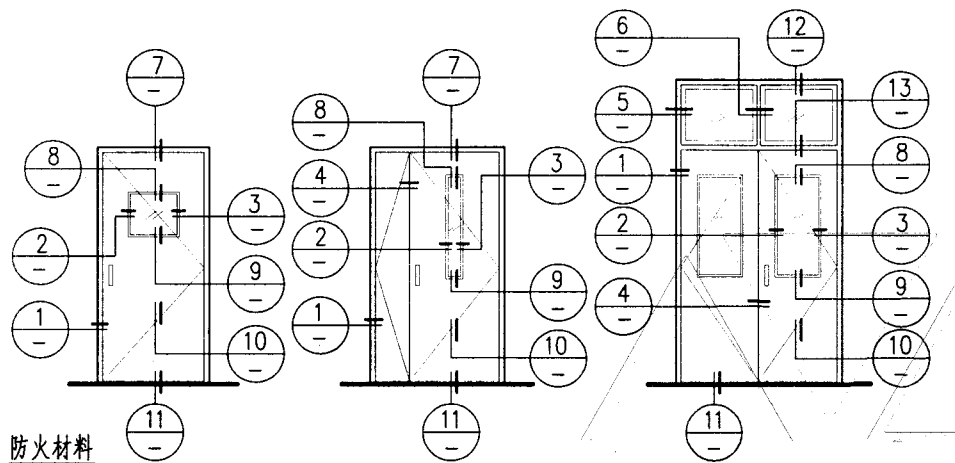
设计

张淑萍

页

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| 洞口尺寸                 |      | 800                                                                               | 900                                                                               | 1000                                                                               | 1200                                                                               | 1500                                                                                | 1800                                                                                | 2100                                                                                 |                                                                                      |                                                                                      |
|----------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 框口尺寸                 |      | 780                                                                               | 880                                                                               | 980                                                                                | 1180                                                                               | 1480                                                                                | 1780                                                                                | 2080                                                                                 |                                                                                      |                                                                                      |
|                      |      | 45 690 45                                                                         | 45 790 45                                                                         | 45 890 45                                                                          | 45 1090 45                                                                         | 45 1390 45                                                                          | 45 1690 45                                                                          | 45 1990 45                                                                           |                                                                                      |                                                                                      |
| 2000                 | 1990 |  |  |   |  |  |  |   |                                                                                      |                                                                                      |
|                      |      | 2M09-0820                                                                         | 2M09-0920                                                                         | 2M09-1020                                                                          | 2M09-1220                                                                          | 2M09-1520                                                                           | 2M09-1820                                                                           | 2M09-2120                                                                            |                                                                                      |                                                                                      |
|                      |      | 2100                                                                              | 2090                                                                              |   |   |    |   |   |   |   |
|                      |      |                                                                                   |                                                                                   | 2M09-0821                                                                          | 2M09-0921                                                                          | 2M09-1021                                                                           | 2M09-1221                                                                           | 2M09-1521                                                                            | 2M09-1821                                                                            | 2M09-2121                                                                            |
| 2400                 | 2390 |                                                                                   |                                                                                   |   |   |    |   |   |   |   |
|                      |      |                                                                                   |                                                                                   | 2M09-0824                                                                          | 2M09-0924                                                                          | 2M09-1024                                                                           | 2M09-1224                                                                           | 2M09-1524                                                                            | 2M09-1824                                                                            | 2M09-2124                                                                            |
|                      |      | 2700                                                                              | 2690                                                                              |  |  |   |  |  |  |  |
|                      |      |                                                                                   |                                                                                   | 2M09-0827                                                                          | 2M09-0927                                                                          | 2M09-1027                                                                           | 2M09-1227                                                                           | 2M09-1527                                                                            | 2M09-1827                                                                            | 2M09-2127                                                                            |
| 2M09 型木夹板防火门选用图      |      |                                                                                   |                                                                                   |                                                                                    |                                                                                    | 图集号                                                                                 | 03J609                                                                              |                                                                                      |                                                                                      |                                                                                      |
| 审核 王沁光 校对 张淑萍 设计 张淑萍 |      |                                                                                   |                                                                                   |                                                                                    |                                                                                    | 页                                                                                   | 40                                                                                  |                                                                                      |                                                                                      |                                                                                      |



|                        |     |    |     |    |     |        |
|------------------------|-----|----|-----|----|-----|--------|
| 2M02~2M09<br>型木夹板防火门详图 |     |    |     |    | 图集号 | 03J609 |
| 审核                     | 王旭光 | 校对 | 王旭光 | 设计 | 潘苏萍 | 页      |
|                        |     |    |     |    |     | 41     |

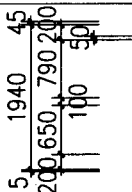
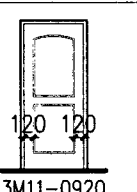
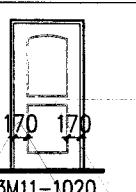
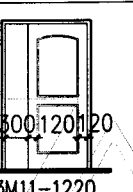
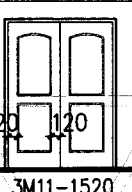
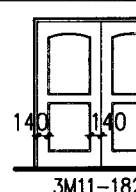
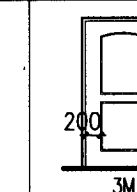
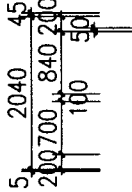
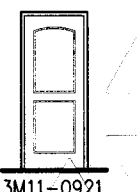
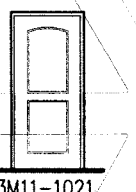
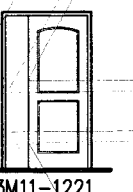
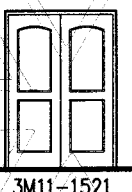
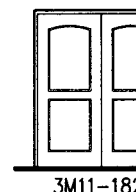
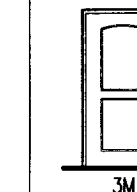
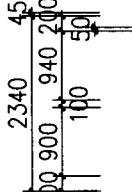
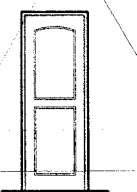
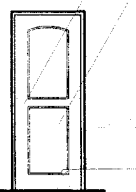
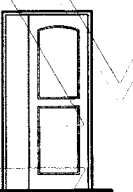
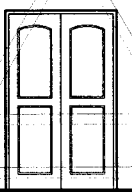
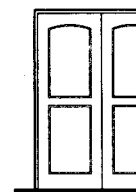
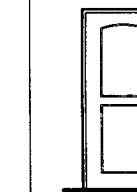
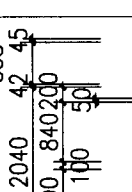
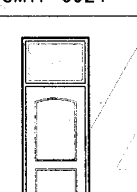
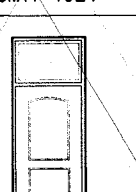
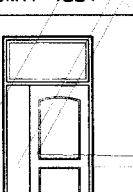
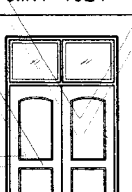
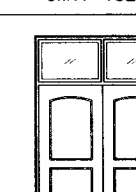
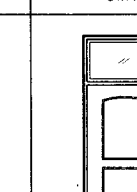
|      |      | 洞口尺寸 | 800       | 900       | 1000      | 1200       | 1500       | 1800       | 2100       |
|------|------|------|-----------|-----------|-----------|------------|------------|------------|------------|
|      |      | 框口尺寸 | 780       | 880       | 980       | 1180       | 1480       | 1780       | 2080       |
|      |      |      | 45 690 45 | 45 790 45 | 45 890 45 | 45 1090 45 | 45 1390 45 | 45 1690 45 | 45 1990 45 |
| 2000 | 1990 |      |           |           |           |            |            |            |            |
|      |      |      | 3M10-0820 | 3M10-0920 | 2M10-1020 | 3M10-1220  | 3M10-1520  | 3M10-1820  | 3M10-2120  |
| 2100 | 2090 |      |           |           |           |            |            |            |            |
|      |      |      | 3M10-0821 | 3M10-0921 | 3M10-1021 | 3M10-1221  | 3M10-1521  | 3M10-1821  | 3M10-2121  |
| 2400 | 2390 |      |           |           |           |            |            |            |            |
|      |      |      | 2M10-0824 | 2M10-0924 | 2M10-1024 | 2M10-1224  | 2M10-1524  | 2M10-1824  | 2M10-2124  |
| 2700 | 2690 |      |           |           |           |            |            |            |            |
|      |      |      | 3M10-0827 | 3M10-0927 | 3M10-1027 | 3M10-1227  | 3M10-1527  | 3M10-1827  | 3M10-2127  |

**3M10型木夹板装饰防火门选用图**

审核 王祖光 校对 任兵 设计 张丽萍

图集号 **03J609**

页 **42**

| 洞口尺寸              |      | 800                                                                                             | 900                                                                                             | 1000                                                                                            | 1200                                                                                             | 1500                                                                                              | 1800                                                                                              | 2100                                                                                              |
|-------------------|------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 框口尺寸              |      | 780                                                                                             | 880                                                                                             | 980                                                                                             | 1180                                                                                             | 1480                                                                                              | 1780                                                                                              | 2080                                                                                              |
|                   |      | 45, 690, 45                                                                                     | 45, 790, 45                                                                                     | 45, 890, 45                                                                                     | 45, 1090, 45                                                                                     | 45, 1390, 45                                                                                      | 45, 1690, 45                                                                                      | 45, 1990, 45                                                                                      |
| 2000              | 1990 | <br>3M11-0820  | <br>3M11-0920  | <br>3M11-1020  | <br>3M11-1220  | <br>3M11-1520  | <br>3M11-1820  | <br>3M11-2120  |
| 2100              | 2090 | <br>3M11-0821  | <br>3M11-0921  | <br>3M11-1021  | <br>3M11-1221  | <br>3M11-1521  | <br>3M11-1821  | <br>3M11-2121  |
| 2400              | 2390 | <br>3M11-0824  | <br>3M11-0924  | <br>3M11-1024  | <br>3M11-1224  | <br>3M11-1524  | <br>3M11-1824  | <br>3M11-2124  |
| 2700              | 2690 | <br>3M11-0824 | <br>3M11-0924 | <br>3M11-1024 | <br>3M11-1224 | <br>3M11-1524 | <br>3M11-1824 | <br>3M11-2124 |
| 3M11 型木夹板装饰防火门选用图 |      |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                  | 图集号                                                                                               |                                                                                                   | 03J609                                                                                            |
|                   |      |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                  | 审核                                                                                                | 王旭光                                                                                               | 校对                                                                                                |





|      |      | 洞口尺寸 | 800       | 900       | 1000      | 1200       | 1500       | 1800       | 2100       |
|------|------|------|-----------|-----------|-----------|------------|------------|------------|------------|
|      |      | 框口尺寸 | 780       | 880       | 980       | 1180       | 1480       | 1780       | 2080       |
|      |      |      | 45 690 45 | 45 790 45 | 45 890 45 | 45 1090 45 | 45 1390 45 | 45 1690 45 | 45 1990 45 |
| 2000 | 1990 |      |           |           |           |            |            |            |            |
| 2100 | 2090 |      |           |           |           |            |            |            |            |
| 2400 | 2390 |      |           |           |           |            |            |            |            |
| 2700 | 2690 |      |           |           |           |            |            |            |            |

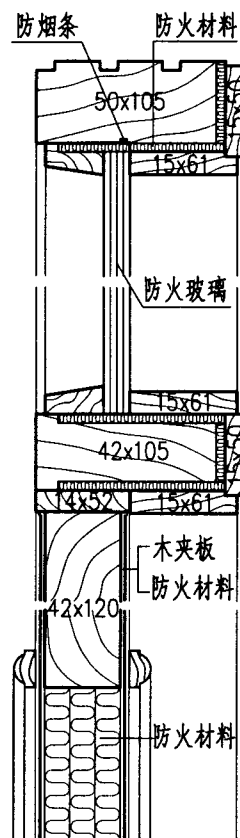
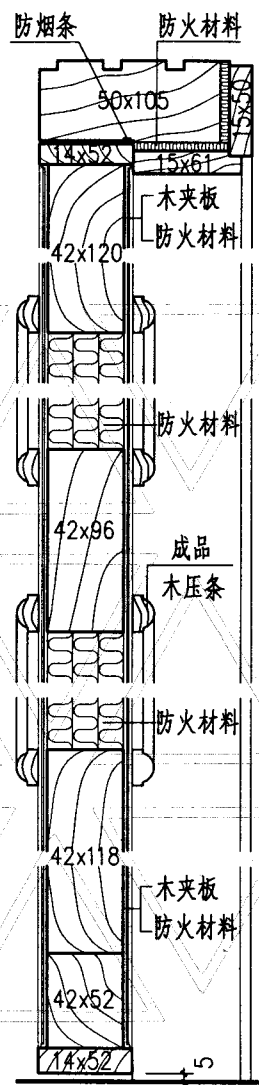
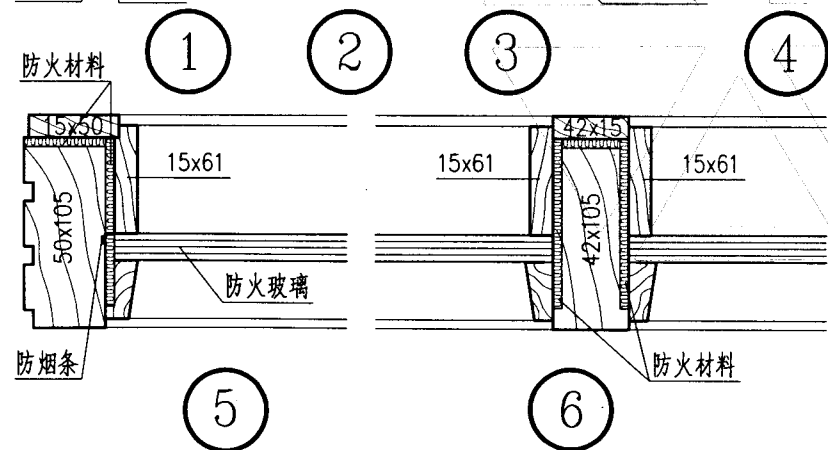
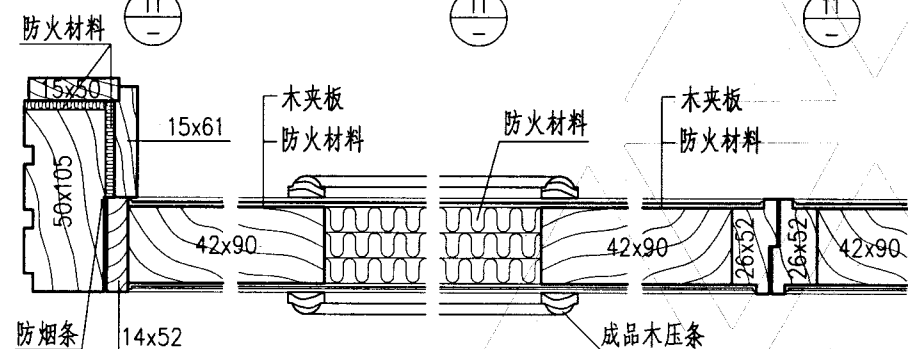
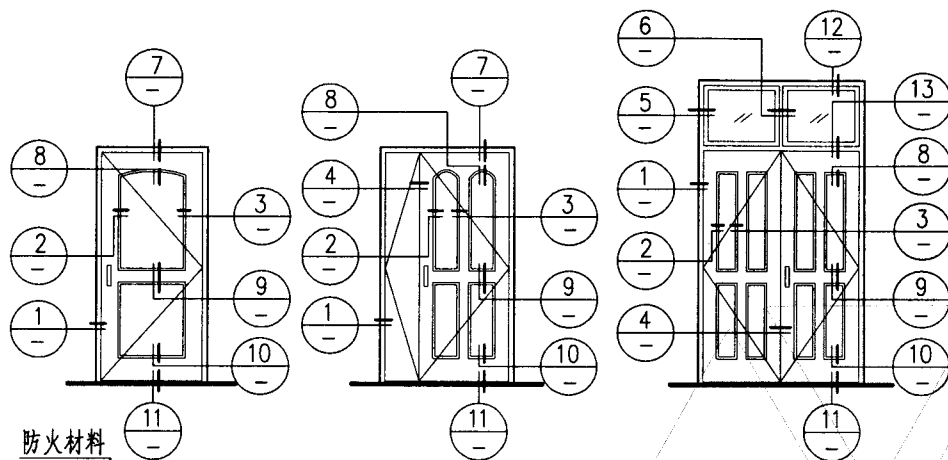
**3M14型木夹板装饰防火门选用图**

审核: 王祖光 校对: 王祖光 设计: 王祖光 页: 46

图集号: 03J609

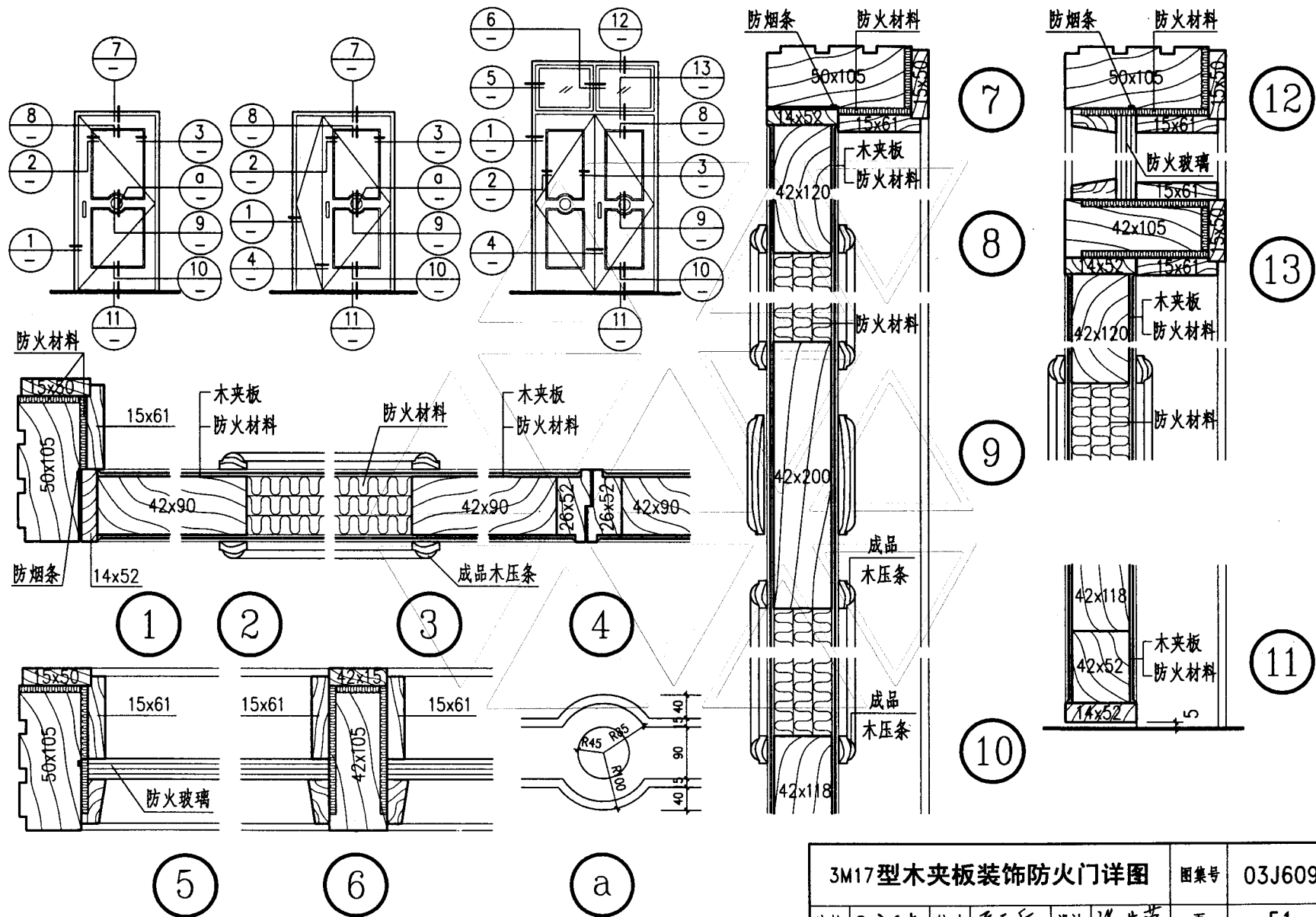


|      |      | 洞口尺寸 | 800              | 900         | 1000        | 1200         | 1500         | 1800         | 2100         |    |        |
|------|------|------|------------------|-------------|-------------|--------------|--------------|--------------|--------------|----|--------|
|      |      | 框口尺寸 | 780              | 880         | 980         | 1180         | 1480         | 1780         | 2080         |    |        |
|      |      |      | 45, 690, 45      | 45, 790, 45 | 45, 890, 45 | 45, 1090, 45 | 45, 1390, 45 | 45, 1690, 45 | 45, 1990, 45 |    |        |
| 2000 | 1990 |      |                  |             |             |              |              |              |              |    |        |
| 2100 | 2090 |      |                  |             |             |              |              |              |              |    |        |
| 2400 | 2390 |      |                  |             |             |              |              |              |              |    |        |
| 2700 | 2690 |      |                  |             |             |              |              |              |              |    |        |
|      |      |      | 3M16型木夹板装饰防火门选用图 |             |             |              |              |              |              | 图号 | 03J609 |
|      |      |      | 审核               | 王旭光         | 校对          | 王旭光          | 设计           | 张磊           | 页            | 48 |        |



|                          |     |    |     |     |        |
|--------------------------|-----|----|-----|-----|--------|
| 3M10~3M16<br>型木夹板装饰防火门详图 |     |    |     | 图集号 | 03J609 |
| 审核                       | 王祖光 | 校对 | 王祖光 | 设计  | 徐苏萍    |
|                          |     |    |     | 页   | 49     |





3M17型木夹板装饰防火门详图

图集号

03J609

审核

王祖光

校对

王祖光

设计

王祖光

页

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| 洞口尺寸 |      | 800 | 900 | 1000 | 1200 | 1500 | 1800 | 2100 |
|------|------|-----|-----|------|------|------|------|------|
| 框口尺寸 |      | 780 | 880 | 980  | 1180 | 1480 | 1780 | 2080 |
| 2000 | 1990 |     |     |      |      |      |      |      |
| 2100 | 2090 |     |     |      |      |      |      |      |
| 2400 | 2390 |     |     |      |      |      |      |      |
| 2700 | 2690 |     |     |      |      |      |      |      |

4M18型模压板防火门选用图

审核: 王祖光 校对: 吕兵 设计: 张苏萍

图集号 03J609

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| 洞口尺寸 |      |  | 800           | 900           | 1000          | 1200          | 1500          | 1800          | 2100          |
|------|------|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 框口尺寸 |      |  | 780           | 880           | 980           | 1180          | 1480          | 1780          | 2080          |
|      |      |  | 45 690 45     | 45 790 45     | 45 890 45     | 45 1090 45    | 45 1390 45    | 45 1690 45    | 45 1990 45    |
| 2000 | 1990 |  | <br>4M19-0820 | <br>4M19-0920 | <br>4M19-1020 | <br>4M19-1220 | <br>4M19-1520 | <br>4M19-1820 | <br>4M19-2120 |
|      |      |  | <br>4M19-0821 | <br>4M19-0921 | <br>4M19-1021 | <br>4M19-1221 | <br>4M19-1521 | <br>4M19-1821 | <br>4M19-2121 |
|      |      |  | <br>4M19-0824 | <br>4M19-0924 | <br>4M19-1024 | <br>4M19-1224 | <br>4M19-1524 | <br>4M19-1824 | <br>4M19-2124 |
|      |      |  | <br>4M19-0827 | <br>4M19-0927 | <br>4M19-1027 | <br>4M19-1227 | <br>4M19-1527 | <br>4M19-1827 | <br>4M19-2127 |
| 2100 | 2090 |  |               |               |               |               |               |               |               |
|      |      |  |               |               |               |               |               |               |               |
|      |      |  |               |               |               |               |               |               |               |
|      |      |  |               |               |               |               |               |               |               |
| 2400 | 2390 |  |               |               |               |               |               |               |               |
|      |      |  |               |               |               |               |               |               |               |
|      |      |  |               |               |               |               |               |               |               |
|      |      |  |               |               |               |               |               |               |               |
| 2700 | 2690 |  |               |               |               |               |               |               |               |
|      |      |  |               |               |               |               |               |               |               |
|      |      |  |               |               |               |               |               |               |               |
|      |      |  |               |               |               |               |               |               |               |

4M19型模压板防火门选用图

图集号

03J609

审核

王旭光

校对

张兵

设计

张苏萍

页

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|      |      | 洞口尺寸 | 800         | 900         | 1000        | 1200         | 1500         | 1800         | 2100         |
|------|------|------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
|      |      | 框口尺寸 | 780         | 880         | 980         | 1180         | 1480         | 1780         | 2080         |
|      |      |      | 45, 690, 45 | 45, 790, 45 | 45, 890, 45 | 45, 1090, 45 | 45, 1390, 45 | 45, 1690, 45 | 45, 1990, 45 |
| 2000 | 1990 |      |             |             |             |              |              |              |              |
|      |      |      | 4M20-0820   | 4M20-0920   | 4M20-1020   | 4M20-1220    | 4M20-1520    | 4M20-1820    | 4M20-2120    |
| 2100 | 2090 |      |             |             |             |              |              |              |              |
|      |      |      | 4M20-0821   | 4M20-0921   | 4M20-1021   | 4M20-1221    | 4M20-1521    | 4M20-1821    | 4M20-2121    |
| 2400 | 2390 |      |             |             |             |              |              |              |              |
|      |      |      | 4M20-0824   | 4M20-0924   | 4M20-1024   | 4M20-1224    | 4M20-1524    | 4M20-1824    | 4M20-2124    |
| 2700 | 2690 |      |             |             |             |              |              |              |              |
|      |      |      | 4M20-0827   | 4M20-0927   | 4M20-1027   | 4M20-1227    | 4M20-1527    | 4M20-1827    | 4M20-2127    |

**4M20 型模压板防火门选用图**

审核 王祖光 校对 张兵 设计 张磊
页 54

图集号 03J609



|                                                            |      | 洞口尺寸 | 800       | 900       | 1000      | 1200       | 1500       | 1800       | 2100       |  |           |  |           |  |           |        |
|------------------------------------------------------------|------|------|-----------|-----------|-----------|------------|------------|------------|------------|--|-----------|--|-----------|--|-----------|--------|
|                                                            |      | 框口尺寸 | 780       | 880       | 980       | 1180       | 1480       | 1780       | 2080       |  |           |  |           |  |           |        |
|                                                            |      |      | 45 690 45 | 45 790 45 | 45 890 45 | 45 1090 45 | 45 1390 45 | 45 1690 45 | 45 1990 45 |  |           |  |           |  |           |        |
| 2000                                                       | 1990 |      | 4M22-0820 |           | 4M22-0920 |            | 4M22-1020  |            | 4M22-1220  |  | 4M22-1520 |  | 4M22-1820 |  | 4M22-2120 |        |
|                                                            |      |      |           |           |           |            |            |            |            |  |           |  |           |  |           |        |
| 2100                                                       | 2090 |      | 4M22-0821 |           | 4M22-0921 |            | 4M22-1021  |            | 4M22-1221  |  | 4M22-1521 |  | 4M22-1821 |  | 4M22-2121 |        |
|                                                            |      |      |           |           |           |            |            |            |            |  |           |  |           |  |           |        |
| 2400                                                       | 2390 |      | 4M22-0824 |           | 4M22-0924 |            | 4M22-1024  |            | 4M22-1224  |  | 4M22-1524 |  | 4M22-1824 |  | 4M22-2124 |        |
|                                                            |      |      |           |           |           |            |            |            |            |  |           |  |           |  |           |        |
| 2700                                                       | 2690 |      | 4M22-0827 |           | 4M22-0927 |            | 4M22-1027  |            | 4M22-1227  |  | 4M22-1527 |  | 4M22-1827 |  | 4M22-2127 |        |
|                                                            |      |      |           |           |           |            |            |            |            |  |           |  |           |  |           |        |
| <div>4M22 型模压板防火门选用图</div> <div>审核 王礼光 校对 王礼光 设计 张淑萍</div> |      |      |           |           |           |            |            |            |            |  |           |  |           |  | 图集号       | 03J609 |
|                                                            |      |      |           |           |           |            |            |            |            |  |           |  |           |  | 页         | 56     |

|      |      | 洞口尺寸 | 800       | 900       | 1000      | 1200       | 1500       | 1800       | 2100       |
|------|------|------|-----------|-----------|-----------|------------|------------|------------|------------|
|      |      | 框口尺寸 | 780       | 880       | 980       | 1180       | 1480       | 1780       | 2080       |
|      |      |      | 45 690 45 | 45 790 45 | 45 890 45 | 45 1090 45 | 45 1390 45 | 45 1690 45 | 45 1990 45 |
| 2000 | 1990 |      |           |           |           |            |            |            |            |
| 2100 | 2090 |      |           |           |           |            |            |            |            |
| 2400 | 2390 |      |           |           |           |            |            |            |            |
| 2700 | 2690 |      |           |           |           |            |            |            |            |

**4M23型模压板防火门选用图**

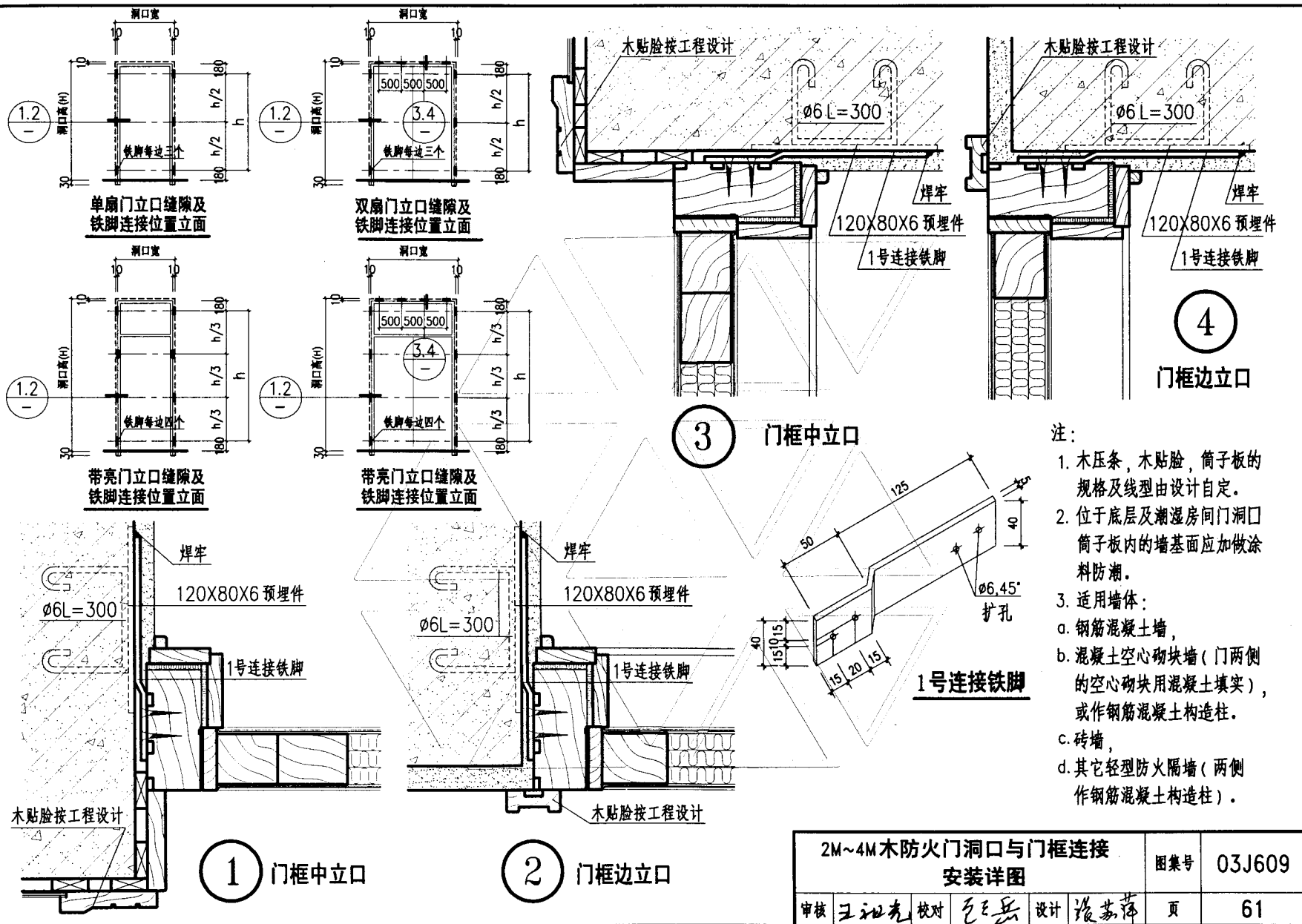
审核 王旭光 校对 王旭光 设计 张淑萍
图集号 03J609

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|      |      | 洞口尺寸 | 800             | 900             | 1000            | 1200             | 1500             | 1800             | 2100             |     |        |
|------|------|------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|-----|--------|
|      |      | 框口尺寸 | 780             | 880             | 980             | 1180             | 1480             | 1780             | 2080             |     |        |
|      |      |      | 45, 690, 45<br> | 45, 790, 45<br> | 45, 890, 45<br> | 45, 1090, 45<br> | 45, 1390, 45<br> | 45, 1690, 45<br> | 45, 1990, 45<br> |     |        |
| 2000 | 1990 |      |                 |                 |                 |                  |                  |                  |                  |     |        |
|      |      |      | 4M24-0820       | 4M24-0920       | 4M24-1020       | 4M24-1220        | 4M24-1520        | 4M24-1820        | 4M24-2120        |     |        |
| 2100 | 2090 |      |                 |                 |                 |                  |                  |                  |                  |     |        |
|      |      |      | 4M24-0821       | 4M24-0921       | 4M24-1021       | 4M24-1221        | 4M24-1521        | 4M24-1821        | 4M24-2121        |     |        |
| 2400 | 2390 |      |                 |                 |                 |                  |                  |                  |                  |     |        |
|      |      |      | 4M24-0824       | 4M24-0924       | 4M24-1024       | 4M24-1224        | 4M24-1524        | 4M24-1824        | 4M24-2124        |     |        |
| 2700 | 2690 |      |                 |                 |                 |                  |                  |                  |                  |     |        |
|      |      |      | 4M24-0827       | 4M24-0927       | 4M24-1027       | 4M24-1227        | 4M24-1527        | 4M24-1827        | 4M24-2127        |     |        |
|      |      |      | 4M24 型模压板防火门选用图 |                 |                 |                  |                  |                  |                  | 图集号 | 03J609 |
|      |      |      | 审核              | 王礼光             | 校对              | 王兵               | 设计               | 张淑萍              | 页                | 59  |        |

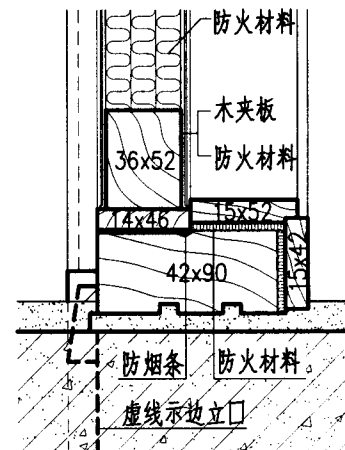
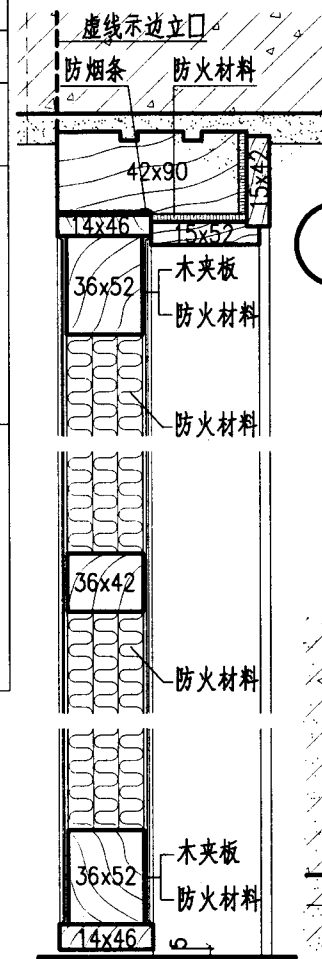




|                          |     |    |     |     |        |
|--------------------------|-----|----|-----|-----|--------|
| 2M~4M木防火门洞口与门框连接<br>安装详图 |     |    |     | 图集号 | 03J609 |
| 审核                       | 王祖光 | 校对 | 王祖光 | 设计  | 张苏萍    |
|                          |     |    |     | 页   | 61     |

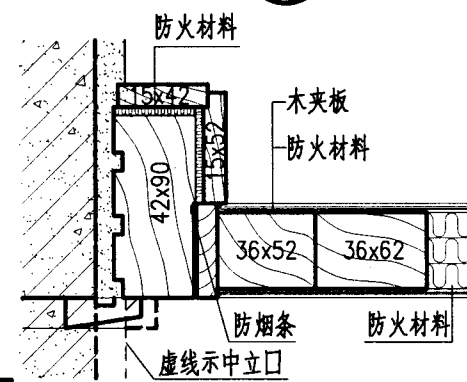
| 洞口尺寸 |      | 600       |           |
|------|------|-----------|-----------|
| 框口尺寸 |      | 580       |           |
|      |      | 42 496 42 | 42 496 42 |
| 2000 | 1990 |           |           |
|      |      | 5M01-0620 | 5M02-0620 |
| 2100 | 2090 |           |           |
|      |      | 5M01-0621 | 5M02-0621 |
| 1400 | 1390 |           |           |
|      |      | 5M03-0614 | 剖面        |
| 1500 | 1490 |           |           |
|      |      | 5M03-0615 | 剖面        |

- 注:
1. 本图为丙级防火木门。
  2. 所注的防火材料及木夹板均由定点生产厂家提供并负责加工制作成品门, 详见厂家说明。
  3. 门框与门洞连接固定铁件详见 61 页。



1

3



2

4

5M01~03 管道井木防火门详图

图集号

03J609

审核

王旭光

校对

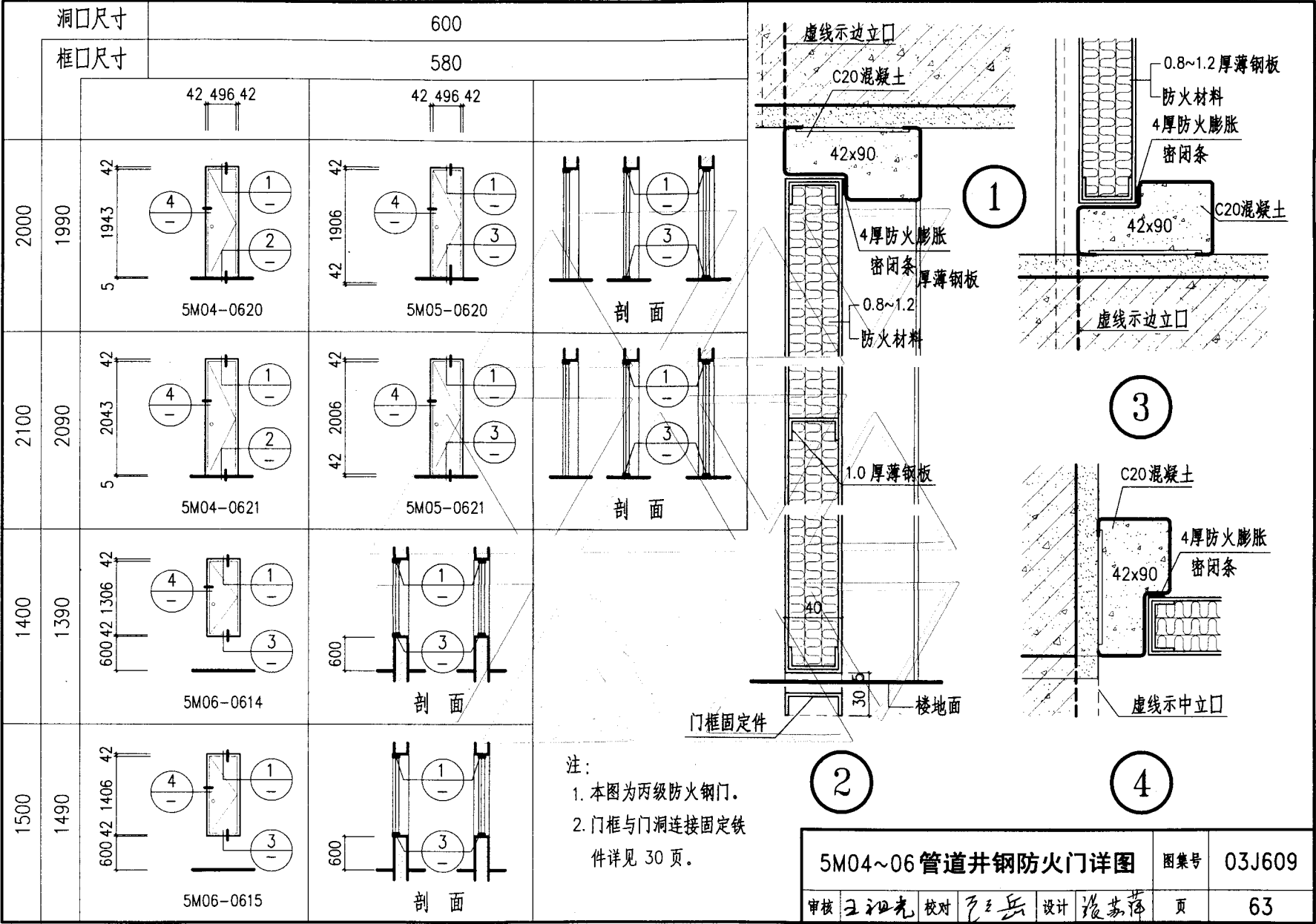
王旭光

设计

王旭光

页

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# 1J 钢 防 火 卷 帘 选 用 要 点

钢防火卷帘系根据《钢质防火卷帘通用技术条件》GB14102-93及相关企业标准设计制作,系由帘板、导轨、座板、门楣、箱体、卷帘板及控制箱所组成的能满足耐火极限和热辐射强度的卷帘。按《高层民用建筑设计规范》GB50045-95(2001年版)规定,做为防火分区分隔时,卷帘两侧应设置独立的闭式自动喷水系统保护,喷水延续时间不小于3.0h,喷水强度不小于0.5L/s.m,喷头间距应为2m至2.5m,喷头距卷帘的距离宜为0.5m。

该卷帘有电动、手动及自动三种操作方式。控制箱设置烟感、温感控制系统,既能独立动作又能由消防中心联动进行自动控制,并具有使卷帘启闭、两步下降等自动控制功能。

1 适用范围:适用于民用建筑和工业建筑的防火分区分隔,洞口最大尺寸,宽为18000mm,高为9000mm。

2 技术性能指标:

2.1 耐火时间(h):1.5; 2.0; 2.5; 3.0。

2.2 漏烟量( $m^3/m^2 \cdot min$ ): $\leq 0.2$ 。

2.3 启闭速度( $mm/min$ ):2000~9000。

2.4 主要技术参数见表2.4

表2.4 常用洞口尺寸及技术参数

| 洞口宽度(W)<br>(mm)      | 洞口高度(H)<br>(mm)      | 卷机功率<br>(W) | 卷轴直径<br>(mm) | 卷帘箱总重量<br>(Kg) | 箱单高度<br>(mm) | 箱单宽度<br>(mm) |
|----------------------|----------------------|-------------|--------------|----------------|--------------|--------------|
| $W \leq 3600$        | $H \leq 3600$        | 250         | $\phi 140$   | 600            | 500          | 600          |
| $3600 < W \leq 4800$ | $3600 < H \leq 3900$ | 370         | $\phi 140$   | 700            | 550          | 650          |
| $4800 < W \leq 6000$ | $3900 < H \leq 4500$ | 550         | $\phi 165$   | 800            | 650          | 800          |
| $6000 < W \leq 9000$ | $4500 < H \leq 5100$ | 750         | $\phi 219$   | 1200           | 800          | 1000         |

3 导轨规格尺寸见表3。

表3 导轨规格尺寸表 单位 mm

| 洞口宽度(W)                | 导轨深度 | 帘板嵌入导轨深度 |
|------------------------|------|----------|
| $W \leq 3000$          | 75   | 45       |
| $3000 < W \leq 5000$   | 80   | 50       |
| $5000 < W \leq 9000$   | 90   | 60       |
| $9000 < W \leq 12000$  | 120  | 80       |
| $12000 < W \leq 18000$ | 150  | 100      |

4.安装要求:

4.1 防火卷帘与墙体的安装固定可采用预埋钢板焊接或用胀锚螺栓连接。墙体应为钢筋混凝土墙,如系轻型砌块墙则在洞口两侧作钢筋混凝土构造柱。

4.2 卷帘导轨应与地面垂直。导轨与预埋件焊接,焊接高3mm,每条焊缝长3mm,间距500mm,焊接处应清除焊渣,补刷涂料。

4.3 按钮盒距楼地面面层约1300mm。

4.4 控制箱应安装在卷门机附近以便维修,连接导线不得外露,接地要可靠。

5.本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司(原北京市新型防火装备厂)提供的技术资料绘制。

1J 钢防火卷帘选用要点

图集号

03J609

审核

王祖光

校对

张岳

设计

张淑萍

页

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# 1J 钢 防 火 卷 帘 选 用 表

| H \ W |          |          |          |          |          |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|       | 2100     | 2400     | 2700     | 3000     | 3300     | 3600     | 3900     | 4200     | 4500     | 4800     | 5100     | 5400     |
| 2400  | 1J1-2124 | 1J1-2424 | 1J1-2724 | 1J1-3024 | 1J1-3324 | 1J1-3624 | 1J1-3924 | 1J1-4224 | 1J1-4524 | 1J1-4824 | 1J1-5124 | 1J1-5424 |
|       | 1J2-2124 | 1J2-2424 | 1J2-2724 | 1J2-3024 | 1J2-3324 | 1J2-3624 | 1J2-3924 | 1J2-4224 | 1J2-4524 | 1J2-4824 | 1J2-5124 | 1J2-5424 |
| 2700  | 1J1-2127 | 1J1-2427 | 1J1-2727 | 1J1-3027 | 1J1-3327 | 1J1-3627 | 1J1-3927 | 1J1-4227 | 1J1-4527 | 1J1-4827 | 1J1-5127 | 1J1-5427 |
|       | 1J2-2127 | 1J2-2427 | 1J2-2727 | 1J2-3027 | 1J2-3327 | 1J2-3627 | 1J2-3927 | 1J2-4227 | 1J2-4527 | 1J2-4827 | 1J2-5127 | 1J2-5427 |
| 3000  | 1J1-2130 | 1J1-2430 | 1J1-2730 | 1J1-3030 | 1J1-3330 | 1J1-3630 | 1J1-3930 | 1J1-4230 | 1J1-4530 | 1J1-4830 | 1J1-5130 | 1J1-5430 |
|       | 1J2-2130 | 1J2-2430 | 1J2-2730 | 1J2-3030 | 1J2-3330 | 1J2-3630 | 1J2-3930 | 1J2-4230 | 1J2-4530 | 1J2-4830 | 1J2-5130 | 1J2-5430 |
| 3300  | 1J1-2133 | 1J1-2433 | 1J1-2733 | 1J1-3033 | 1J1-3333 | 1J1-3633 | 1J1-3933 | 1J1-4233 | 1J1-4533 | 1J1-4833 | 1J1-5133 | 1J1-5433 |
|       | 1J2-2133 | 1J2-2433 | 1J2-2733 | 1J2-3033 | 1J2-3333 | 1J2-3633 | 1J2-3933 | 1J2-4233 | 1J2-4533 | 1J2-4833 | 1J2-5133 | 1J2-5433 |
| 3600  |          |          |          |          |          | 1J1-3636 | 1J1-3936 | 1J1-4236 | 1J1-4536 | 1J1-4836 | 1J1-5136 | 1J1-5436 |
|       |          |          |          |          |          | 1J2-3636 | 1J2-3936 | 1J2-4236 | 1J2-4536 | 1J2-4836 | 1J2-5136 | 1J2-5436 |
| 3900  |          |          |          |          |          |          |          |          | 1J1-4539 | 1J1-4839 | 1J1-5139 | 1J1-5439 |
|       |          |          |          |          |          |          |          |          | 1J2-4539 | 1J2-4839 | 1J2-5139 | 1J2-5439 |
| 4200  |          |          |          |          |          |          |          |          |          |          | 1J1-5142 | 1J1-5442 |
|       |          |          |          |          |          |          |          |          |          |          | 1J2-5142 | 1J2-5442 |
| H \ W |          |          |          |          |          |          |          |          |          |          |          |          |
|       | 5700     | 6000     | 6300     | 6600     | 6900     | 7200     | 7500     | 7800     | 8100     | 8400     | 8700     | 9000     |
| 2400  | 1J1-5724 | 1J1-6024 | 1J1-6324 | 1J1-6624 | 1J1-6924 | 1J1-7224 | 1J1-7524 | 1J1-7824 | 1J1-8124 | 1J1-8424 | 1J1-8724 | 1J1-9024 |
|       | 1J2-5724 | 1J2-6024 | 1J2-6324 | 1J2-6624 | 1J2-6924 | 1J2-7224 | 1J2-7524 | 1J2-7824 | 1J2-8124 | 1J2-8424 | 1J2-8724 | 1J2-9024 |
| 2700  | 1J1-5727 | 1J1-6027 | 1J1-6327 | 1J1-6627 | 1J1-6927 | 1J1-7227 | 1J1-7527 | 1J1-7827 | 1J1-8127 | 1J1-8427 | 1J1-8727 | 1J1-9027 |
|       | 1J2-5727 | 1J2-6027 | 1J2-6327 | 1J2-6627 | 1J2-6927 | 1J2-7227 | 1J2-7527 | 1J2-7827 | 1J2-8127 | 1J2-8427 | 1J2-8727 | 1J2-9027 |
| 3000  | 1J1-5730 | 1J1-6030 | 1J1-6330 | 1J1-6630 | 1J1-6930 | 1J1-7230 | 1J1-7530 | 1J1-7830 | 1J1-8130 | 1J1-8430 | 1J1-8730 | 1J1-9030 |
|       | 1J2-5730 | 1J2-6030 | 1J2-6330 | 1J2-6630 | 1J2-6930 | 1J2-7230 | 1J2-7530 | 1J2-7830 | 1J2-8130 | 1J2-8430 | 1J2-8730 | 1J2-9030 |
| 3300  | 1J1-5733 | 1J1-6033 | 1J1-6333 | 1J1-6633 | 1J1-6933 | 1J1-7233 | 1J1-7533 | 1J1-7833 | 1J1-8133 | 1J1-8433 | 1J1-8733 | 1J1-9033 |
|       | 1J2-5733 | 1J2-6033 | 1J2-6333 | 1J2-6633 | 1J2-6933 | 1J2-7233 | 1J2-7533 | 1J2-7833 | 1J2-8133 | 1J2-8433 | 1J2-8733 | 1J2-9033 |
| 3600  | 1J1-5736 | 1J1-6036 | 1J1-6336 | 1J1-6636 | 1J1-6936 | 1J1-7236 | 1J1-7536 | 1J1-7836 | 1J1-8136 | 1J1-8436 | 1J1-8736 | 1J1-9036 |
|       | 1J2-5736 | 1J2-6036 | 1J2-6336 | 1J2-6636 | 1J2-6936 | 1J2-7236 | 1J2-7536 | 1J2-7836 | 1J2-8136 | 1J2-8436 | 1J2-8736 | 1J2-9036 |
| 3900  | 1J1-5739 | 1J1-6039 | 1J1-6339 | 1J1-6639 | 1J1-6939 | 1J1-7239 | 1J1-7539 | 1J1-7839 | 1J1-8139 | 1J1-8439 | 1J1-8739 | 1J1-9039 |
|       | 1J2-5739 | 1J2-6039 | 1J2-6339 | 1J2-6639 | 1J2-6939 | 1J2-7239 | 1J2-7539 | 1J2-7839 | 1J2-8139 | 1J2-8439 | 1J2-8739 | 1J2-9039 |
| 4200  | 1J1-5742 | 1J1-6042 | 1J1-6342 | 1J1-6642 | 1J1-6942 | 1J1-7242 | 1J1-7542 | 1J1-7842 | 1J1-8142 | 1J1-8442 | 1J1-8742 | 1J1-9042 |
|       | 1J2-5742 | 1J2-6042 | 1J2-6342 | 1J2-6642 | 1J2-6942 | 1J2-7242 | 1J2-7542 | 1J2-7842 | 1J2-8142 | 1J2-8442 | 1J2-8742 | 1J2-9042 |
| 4500  | 1J1-5745 | 1J1-6045 | 1J1-6345 | 1J1-6645 | 1J1-6945 | 1J1-7245 | 1J1-7545 | 1J1-7845 | 1J1-8145 | 1J1-8445 | 1J1-8745 | 1J1-9045 |
|       | 1J2-5745 | 1J2-6045 | 1J2-6345 | 1J2-6645 | 1J2-6945 | 1J2-7245 | 1J2-7545 | 1J2-7845 | 1J2-8145 | 1J2-8445 | 1J2-8745 | 1J2-9045 |
| 4800  |          | 1J1-6048 | 1J1-6348 | 1J1-6648 | 1J1-6948 | 1J1-7248 | 1J1-7548 | 1J1-7848 | 1J1-8148 | 1J1-8448 | 1J1-8748 | 1J1-9048 |
|       |          | 1J2-6048 | 1J2-6348 | 1J2-6648 | 1J2-6948 | 1J2-7248 | 1J2-7548 | 1J2-7848 | 1J2-8148 | 1J2-8448 | 1J2-8748 | 1J2-9048 |
| 5100  |          | 1J1-6051 | 1J1-6351 | 1J1-6651 | 1J1-6951 | 1J1-7251 | 1J1-7551 | 1J1-7851 | 1J1-8151 | 1J1-8451 | 1J1-8751 | 1J1-9051 |
|       |          | 1J2-6051 | 1J2-6351 | 1J2-6651 | 1J2-6951 | 1J2-7251 | 1J2-7551 | 1J2-7851 | 1J2-8151 | 1J2-8451 | 1J2-8751 | 1J2-9051 |

注：1. 防火卷帘的断面用料尺寸，洞口预埋件及安装装饰详见 72~73 页。

2. 1J1 为墙侧装，1J2 为墙中装。

3. 本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

## 1J 钢 防 火 卷 帘 选 用 表

图 集 号

03J609

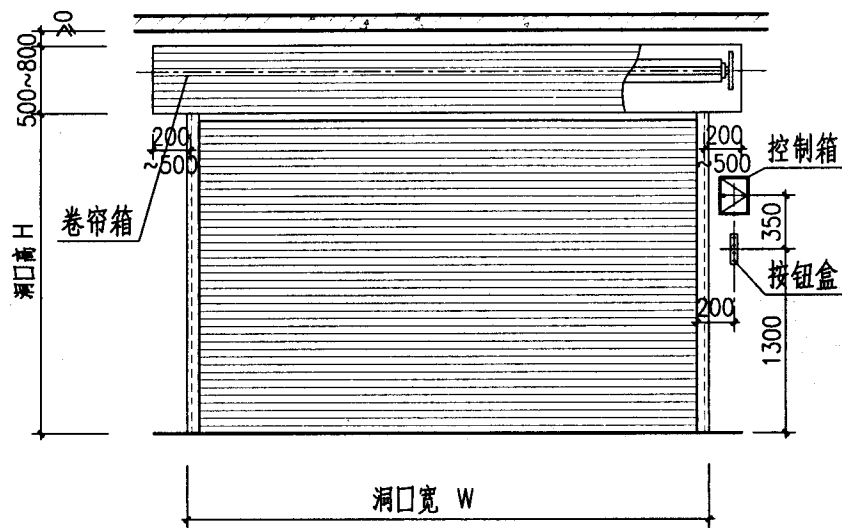
审核 王 沁 光

校对 王 兵

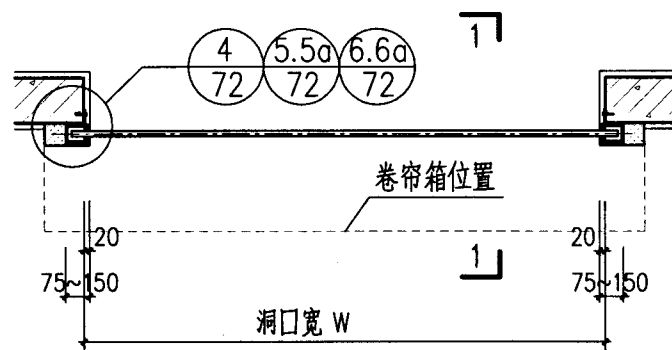
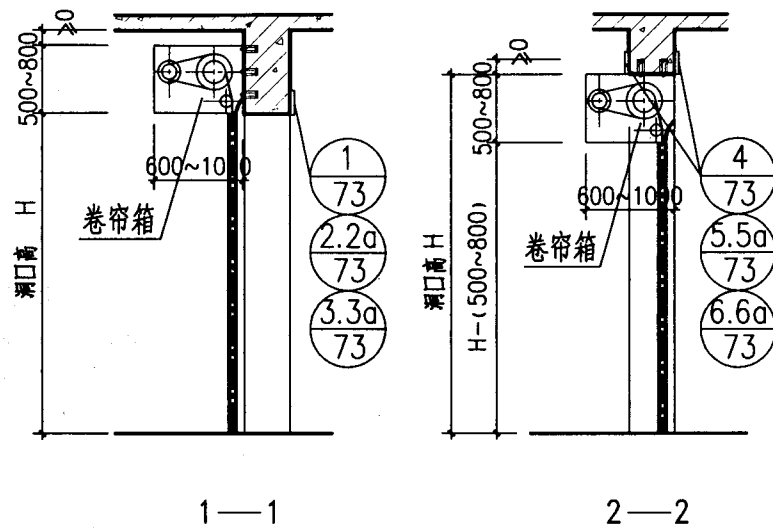
设计 张 磊

页

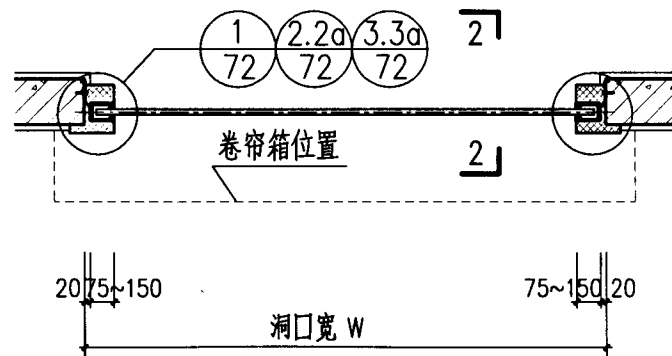
65



1J 钢防火卷帘立面图



1J1 (侧装) 平面图



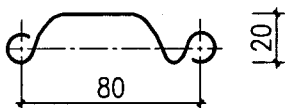
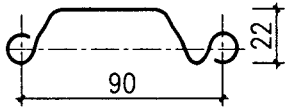
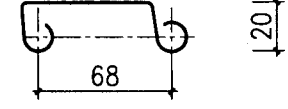
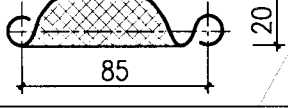
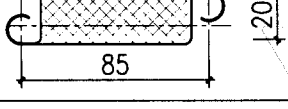
1J2 (中装) 平面图

注：1. 该防火卷帘的断面用料尺寸，洞口预埋件及安装装饰详见72~73页。

2. 本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

| 1J 钢防火卷帘平、立、剖面图 |     |    |     | 图集号 | 03J609 |
|-----------------|-----|----|-----|-----|--------|
| 审核              | 王祖光 | 校对 | 王祖光 | 设计  | 王祖光    |
| 页               |     |    |     |     | 66     |

帘板型式与规格

| 名称     | 帘板型式                                                                              | 板厚 (mm) |     |     |     |
|--------|-----------------------------------------------------------------------------------|---------|-----|-----|-----|
| 单片帘板   |  |         | 1.0 | 1.2 | 1.5 |
| 单片帘板   |  |         |     | 1.2 | 1.5 |
| 单片帘板   |  | 0.8     | 1.0 | 1.2 |     |
| 复合夹芯帘板 |  |         | 1.0 | 1.2 |     |
| 复合夹芯帘板 |  |         | 1.0 | 1.2 |     |

技术要求:

1. 帘板型式选用与卷帘防火等级及门洞口大小有关。
2. 复合夹芯帘板的夹芯材料为硅酸铝矿棉或岩棉。
3. 复合夹芯帘板两层的板厚可不同, 厚的一面为迎火面。
4. 帘板为镀锌钢板或彩钢板。
5. 图示为五种常用帘板型式, 各厂家产品有所差异, 详见具体产品技术资料。

2J 水雾式钢特级防火卷帘选用要点

水雾式钢特级防火卷帘系根据《钢质防火卷帘通用技术条件》GB14102-93及有关企业标准设计制作。为保证其防火功能又节约消防用水, 将喷水系统改为水雾系统, 该系统采用切向漩涡式喷头将水雾化到0.1mm左右的水珠喷向帘面, 使之强行冷却, 其用水量比喷淋式大为减少, 节约用水效果十分明显。

水雾能消除烟气、降低环境温度, 为人员疏散提供更多时间。水雾还可对卷帘传动部分及电控箱实行冷却, 使其在火灾状态下能有效地运行。

1. 适用范围: 适用于以卷帘背火面温升为限定条件 (平均温升  $\leq 140^{\circ}\text{C}$ , 最高温升  $\leq 180^{\circ}\text{C}$ , ) 耐火极限  $\geq 3.0\text{h}$ , 不设自动喷淋的防火分区分隔。洞口最大尺寸宽为9000mm, 高为6000mm。

2. 技术性能指标:

采用各层消防栓系统供水, 最佳压力为0.4MPa 布置到卷帘侧面, 布水强度为  $0.3\text{m}^3/\text{m}\cdot\text{h}$ , 喷头中距300mm~400mm, 喷头与帘面的距离为600mm~700mm。

2.1 耐火时间 (h): 3.0。

2.2 热辐射强度 ( $\text{W}/\text{cm}^2$ ):  $\leq 0.96$ 。

2.3 启闭速度 ( $\text{mm}/\text{min}$ ): 2000~9000。

水雾系统设有“机械式温感释放装置”, 即使在停电时卷帘不下降, 探头失灵、电磁阀失效时, 当现场温度达到  $68^{\circ}\text{C}$  时, “温感玻球”自爆水雾喷头即开始工作, 抑制火势蔓延。

3. 本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司 (原北京市新型防火装备厂) 提供的技术资料绘制。

| 2J水雾式钢特级<br>防火卷帘选用要点 |     |    |    |    |     | 图集号 | 03J609 |
|----------------------|-----|----|----|----|-----|-----|--------|
| 审核                   | 王沁光 | 校对 | 张云 | 设计 | 张淑萍 | 页   | 67     |

## 2J 水雾式钢特级防火卷帘选用表

| W<br>H | 2100     | 2400     | 2700     | 3000     | 3300     | 3600     | 3900     | 4200     | 4500     | 4800     | 5100     | 5400     |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 2400   | 2J1-2124 | 2J1-2424 | 2J1-2724 | 2J1-3024 | 2J1-3324 | 2J1-3624 | 2J1-3924 | 2J1-4224 | 2J1-4524 | 2J1-4824 | 2J1-5124 | 2J1-5424 |
|        | 2J2-2124 | 2J2-2424 | 2J2-2724 | 2J2-3024 | 2J2-3324 | 2J2-3624 | 2J2-3924 | 2J2-4224 | 2J2-4524 | 2J2-4824 | 2J2-5124 | 2J2-5424 |
| 2700   | 2J1-2127 | 2J1-2427 | 2J1-2727 | 2J1-3027 | 2J1-3327 | 2J1-3627 | 2J1-3927 | 2J1-4227 | 2J1-4527 | 2J1-4827 | 2J1-5127 | 2J1-5427 |
|        | 2J2-2127 | 2J2-2427 | 2J2-2727 | 2J2-3027 | 2J2-3327 | 2J2-3627 | 2J2-3927 | 2J2-4227 | 2J2-4527 | 2J2-4827 | 2J2-5127 | 2J2-5427 |
| 3000   | 2J1-2130 | 2J1-2430 | 2J1-2730 | 2J1-3030 | 2J1-3330 | 2J1-3630 | 2J1-3930 | 2J1-4230 | 2J1-4530 | 2J1-4830 | 2J1-5130 | 2J1-5430 |
|        | 2J2-2130 | 2J2-2430 | 2J2-2730 | 2J2-3030 | 2J2-3330 | 2J2-3630 | 2J2-3930 | 2J2-4230 | 2J2-4530 | 2J2-4830 | 2J2-5130 | 2J2-5430 |
| 3300   | 2J1-2133 | 2J1-2433 | 2J1-2733 | 2J1-3033 | 2J1-3333 | 2J1-3633 | 2J1-3933 | 2J1-4233 | 2J1-4533 | 2J1-4833 | 2J1-5133 | 2J1-5433 |
|        | 2J2-2133 | 2J2-2433 | 2J2-2733 | 2J2-3033 | 2J2-3333 | 2J2-3633 | 2J2-3933 | 2J2-4233 | 2J2-4533 | 2J2-4833 | 2J2-5133 | 2J2-5433 |
| 3600   |          |          |          |          |          | 2J1-3636 | 2J1-3936 | 2J1-4236 | 2J1-4536 | 2J1-4836 | 2J1-5136 | 2J1-5436 |
|        |          |          |          |          |          | 2J2-3636 | 2J2-3936 | 2J2-4236 | 2J2-4536 | 2J2-4836 | 2J2-5136 | 2J2-5436 |
| 3900   |          |          |          |          |          |          |          |          | 2J1-4539 | 2J1-4839 | 2J1-5139 | 2J1-5439 |
|        |          |          |          |          |          |          |          |          | 2J2-4539 | 2J2-4839 | 2J2-5139 | 2J2-5439 |
| 4200   |          |          |          |          |          |          |          |          |          |          | 2J1-5142 | 2J1-5442 |
|        |          |          |          |          |          |          |          |          |          |          | 2J2-5142 | 2J2-5442 |
| W<br>H | 5700     | 6000     | 6300     | 6600     | 6900     | 7200     | 7500     | 7800     | 8100     | 8400     | 8700     | 9000     |
| 2400   | 2J1-5724 | 2J1-6024 | 2J1-6324 | 2J1-6624 | 2J1-6924 | 2J1-7224 | 2J1-7524 | 2J1-7824 | 2J1-8124 | 2J1-8424 | 2J1-8724 | 2J1-9024 |
|        | 2J2-5724 | 2J2-6024 | 2J2-6324 | 2J2-6624 | 2J2-6924 | 2J2-7224 | 2J2-7524 | 2J2-7824 | 2J2-8124 | 2J2-8424 | 2J2-8724 | 2J2-9024 |
| 2700   | 2J1-5727 | 2J1-6027 | 2J1-6327 | 2J1-6627 | 2J1-6927 | 2J1-7227 | 2J1-7527 | 2J1-7827 | 2J1-8127 | 2J1-8427 | 2J1-8727 | 2J1-9027 |
|        | 2J2-5727 | 2J2-6027 | 2J2-6327 | 2J2-6627 | 2J2-6927 | 2J2-7227 | 2J2-7527 | 2J2-7827 | 2J2-8127 | 2J2-8427 | 2J2-8727 | 2J2-9027 |
| 3000   | 2J1-5730 | 2J1-6030 | 2J1-6330 | 2J1-6630 | 2J1-6930 | 2J1-7230 | 2J1-7530 | 2J1-7830 | 2J1-8130 | 2J1-8430 | 2J1-8730 | 2J1-9030 |
|        | 2J2-5730 | 2J2-6030 | 2J2-6330 | 2J2-6630 | 2J2-6930 | 2J2-7230 | 2J2-7530 | 2J2-7830 | 2J2-8130 | 2J2-8430 | 2J2-8730 | 2J2-9030 |
| 3300   | 2J1-5733 | 2J1-6033 | 2J1-6333 | 2J1-6633 | 2J1-6933 | 2J1-7233 | 2J1-7533 | 2J1-7833 | 2J1-8133 | 2J1-8433 | 2J1-8733 | 2J1-9033 |
|        | 2J2-5733 | 2J2-6033 | 2J2-6333 | 2J2-6633 | 2J2-6933 | 2J2-7233 | 2J2-7533 | 2J2-7833 | 2J2-8133 | 2J2-8433 | 2J2-8733 | 2J2-9033 |
| 3600   | 2J1-5736 | 2J1-6036 | 2J1-6336 | 2J1-6636 | 2J1-6936 | 2J1-7236 | 2J1-7536 | 2J1-7836 | 2J1-8136 | 2J1-8436 | 2J1-8736 | 2J1-9036 |
|        | 2J2-5736 | 2J2-6036 | 2J2-6336 | 2J2-6636 | 2J2-6936 | 2J2-7236 | 2J2-7536 | 2J2-7836 | 2J2-8136 | 2J2-8436 | 2J2-8736 | 2J2-9036 |
| 3900   | 2J1-5739 | 2J1-6039 | 2J1-6339 | 2J1-6639 | 2J1-6939 | 2J1-7239 | 2J1-7539 | 2J1-7839 | 2J1-8139 | 2J1-8439 | 2J1-8739 | 2J1-9039 |
|        | 2J2-5739 | 2J2-6039 | 2J2-6339 | 2J2-6639 | 2J2-6939 | 2J2-7239 | 2J2-7539 | 2J2-7839 | 2J2-8139 | 2J2-8439 | 2J2-8739 | 2J2-9039 |
| 4200   | 2J1-5742 | 2J1-6042 | 2J1-6342 | 2J1-6642 | 2J1-6942 | 2J1-7242 | 2J1-7542 | 2J1-7842 | 2J1-8142 | 2J1-8442 | 2J1-8742 | 2J1-9042 |
|        | 2J2-5742 | 2J2-6042 | 2J2-6342 | 2J2-6642 | 2J2-6942 | 2J2-7242 | 2J2-7542 | 2J2-7842 | 2J2-8142 | 2J2-8442 | 2J2-8742 | 2J2-9042 |
| 4500   | 2J1-5745 | 2J1-6045 | 2J1-6345 | 2J1-6645 | 2J1-6945 | 2J1-7245 | 2J1-7545 | 2J1-7845 | 2J1-8145 | 2J1-8445 | 2J1-8745 | 2J1-9045 |
|        | 2J2-5745 | 2J2-6045 | 2J2-6345 | 2J2-6645 | 2J2-6945 | 2J2-7245 | 2J2-7545 | 2J2-7845 | 2J2-8145 | 2J2-8445 | 2J2-8745 | 2J2-9045 |
| 4800   |          | 2J1-6048 | 2J1-6348 | 2J1-6648 | 2J1-6948 | 2J1-7248 | 2J1-7548 | 2J1-7848 | 2J1-8148 | 2J1-8448 | 2J1-8748 | 2J1-9048 |
|        |          | 2J2-6048 | 2J2-6348 | 2J2-6648 | 2J2-6948 | 2J2-7248 | 2J2-7548 | 2J2-7848 | 2J2-8148 | 2J2-8448 | 2J2-8748 | 2J2-9048 |
| 5100   |          | 2J1-6051 | 2J1-6351 | 2J1-6651 | 2J1-6951 | 2J1-7251 | 2J1-7551 | 2J1-7851 | 2J1-8151 | 2J1-8451 | 2J1-8751 | 2J1-9051 |
|        |          | 2J2-6051 | 2J2-6351 | 2J2-6651 | 2J2-6951 | 2J2-7251 | 2J2-7551 | 2J2-7851 | 2J2-8151 | 2J2-8451 | 2J2-8751 | 2J2-9051 |

注：1. 防火卷帘的断面用料尺寸、洞口预埋件及安装装饰详见 72~73 页。

2. 2J1 为墙侧装，2J2 为墙中装。

3. 本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

### 2J 水雾式钢特级防火卷帘选用表

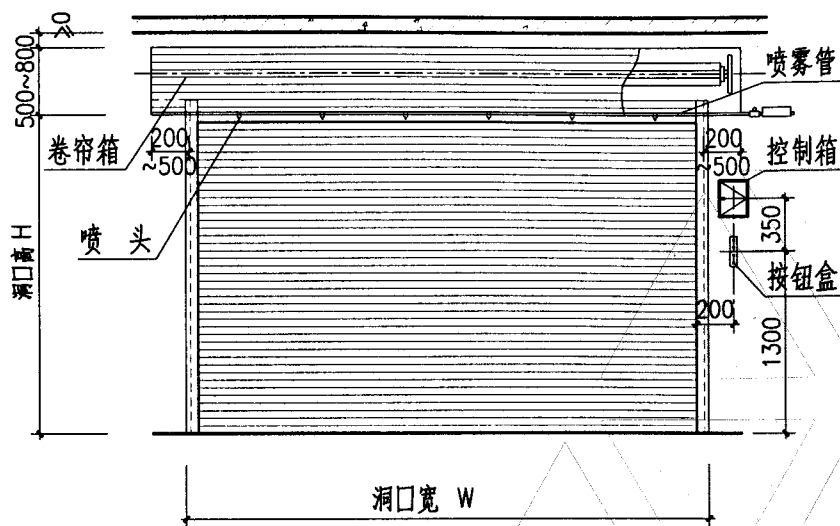
图集号

03J609

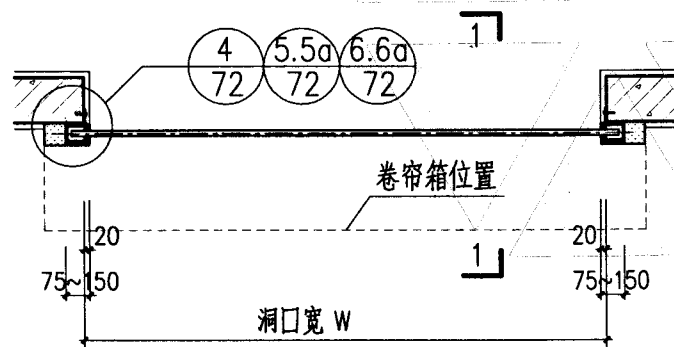
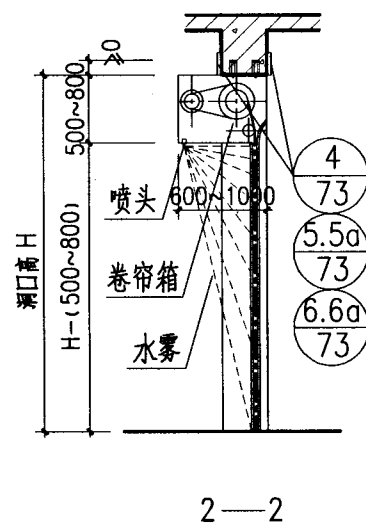
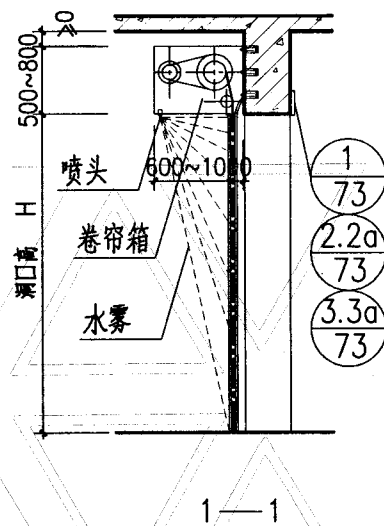
审核 王沁光 校对 王岳 设计 徐苏萍

页

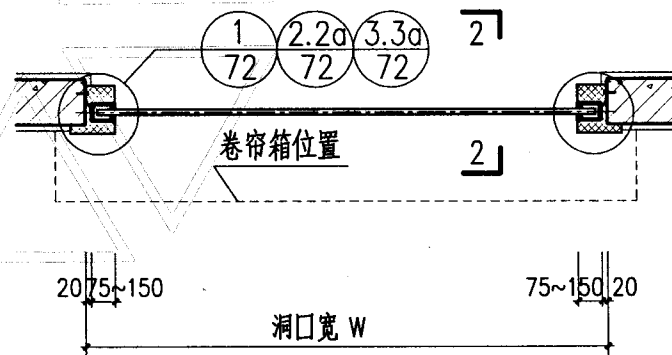
68



2J 水雾式钢特级防火卷帘立面图



2J1 (侧装) 平面图



2J2 (中装) 平面图

注：1. 该防火卷帘的断面用料尺寸，洞口预埋件及安装装饰详见 72~73 页。

2. 本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

| 2J 水雾式钢特级<br>防火卷帘平、立、剖面图 |     |    |    | 图集号 | 03J609 |
|--------------------------|-----|----|----|-----|--------|
| 审核                       | 王祖光 | 校对 | 张兵 | 设计  | 张磊     |
|                          |     |    |    | 页   | 69     |

### 3J 水雾式无机布基特级防火卷帘选用要点

该防火卷帘帘面由防火布、硅酸铝毡及装饰布等组成,其纵向设有  
 间距小于1500mm的钢丝绳以保证其抗拉强度;横向设有间距 300mm  
 ~600mm的钢带,其两端折弯并伸入导轨以保证其侧向刚度,保证在

风荷载作用下不会变形脱轨。该卷帘具有挡烟功能,抗锈蚀,耐酸碱,  
 抗老化,遇火不易变形,结构简单,重量轻,安装简便,价格较低等  
 特点。其适用范围及技术性能指标等均见 2J 型特级防火卷帘。

### 3J 水雾式无机布基特级防火卷帘选用表

| W<br>H | 2400     | 2700     | 3000     | 3300     | 3600     | 3900     | 4200     | 4500     | 4800     | 5100     | 5400     | 5700     | 6000     | 6300     | 6600     |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 2400   | 3J1-2424 | 3J1-2724 | 3J1-3024 | 3J1-3324 | 3J1-3624 | 3J1-3924 | 3J1-4224 | 3J1-4524 | 3J1-4824 | 3J1-5124 | 3J1-5424 | 3J1-5724 | 3J1-6024 | 3J1-6324 | 3J1-6624 |
|        | 3J2-2424 | 3J2-2724 | 3J2-3024 | 3J2-3324 | 3J2-3624 | 3J2-3924 | 3J2-4224 | 3J2-4524 | 3J2-4824 | 3J2-5124 | 3J2-5424 | 3J2-5724 | 3J2-6024 | 3J2-6324 | 3J2-6624 |
| 2700   | 3J1-2427 | 3J1-2727 | 3J1-3027 | 3J1-3327 | 3J1-3627 | 3J1-3927 | 3J1-4227 | 3J1-4527 | 3J1-4827 | 3J1-5127 | 3J1-5427 | 3J1-5727 | 3J1-6027 | 3J1-6327 | 3J1-6627 |
|        | 3J2-2427 | 3J2-2727 | 3J2-3027 | 3J2-3327 | 3J2-3627 | 3J2-3927 | 3J2-4227 | 3J2-4527 | 3J2-4827 | 3J2-5127 | 3J2-5427 | 3J2-5727 | 3J2-6027 | 3J2-6327 | 3J2-6627 |
| 3000   | 3J1-2430 | 3J1-2730 | 3J1-3030 | 3J1-3330 | 3J1-3630 | 3J1-3930 | 3J1-4230 | 3J1-4530 | 3J1-4830 | 3J1-5130 | 3J1-5430 | 3J1-5730 | 3J1-6030 | 3J1-6330 | 3J1-6630 |
|        | 3J2-2430 | 3J2-2730 | 3J2-3030 | 3J2-3330 | 3J2-3630 | 3J2-3930 | 3J2-4230 | 3J2-4530 | 3J2-4830 | 3J2-5130 | 3J2-5430 | 3J2-5730 | 3J2-6030 | 3J2-6330 | 3J2-6630 |
| 3300   | 3J1-2433 | 3J1-2733 | 3J1-3033 | 3J1-3333 | 3J1-3633 | 3J1-3933 | 3J1-4233 | 3J1-4533 | 3J1-4833 | 3J1-5133 | 3J1-5433 | 3J1-5733 | 3J1-6033 | 3J1-6333 | 3J1-6633 |
|        | 3J2-2433 | 3J2-2733 | 3J2-3033 | 3J2-3333 | 3J2-3633 | 3J2-3933 | 3J2-4233 | 3J2-4533 | 3J2-4833 | 3J2-5133 | 3J2-5433 | 3J2-5733 | 3J2-6033 | 3J2-6333 | 3J2-6633 |
| 3600   |          |          |          |          | 3J1-3636 | 3J1-3936 | 3J1-4236 | 3J1-4536 | 3J1-4836 | 3J1-5136 | 3J1-5436 | 3J1-5736 | 3J1-6036 | 3J1-6336 | 3J1-6636 |
|        |          |          |          |          | 3J2-3636 | 3J2-3936 | 3J2-4236 | 3J2-4536 | 3J2-4836 | 3J2-5136 | 3J2-5436 | 3J2-5736 | 3J2-6036 | 3J2-6336 | 3J2-6636 |
| 3900   |          |          |          |          |          |          |          | 3J1-4539 | 3J1-4839 | 3J1-5139 | 3J1-5439 | 3J1-5739 | 3J1-6039 | 3J1-6339 | 3J1-6639 |
|        |          |          |          |          |          |          |          | 3J2-4539 | 3J2-4839 | 3J2-5139 | 3J2-5439 | 3J2-5739 | 3J2-6039 | 3J2-6339 | 3J2-6639 |
| 4200   |          |          |          |          |          |          |          |          |          | 3J1-5142 | 3J1-5442 | 3J1-5742 | 3J1-6042 | 3J1-6342 | 3J1-6642 |
|        |          |          |          |          |          |          |          |          |          | 3J2-5142 | 3J2-5442 | 3J2-5742 | 3J2-6042 | 3J2-6342 | 3J2-6642 |
| 4500   |          |          |          |          |          |          |          |          |          |          |          | 3J1-5745 | 3J1-6045 | 3J1-6345 | 3J1-6645 |
|        |          |          |          |          |          |          |          |          |          |          |          | 3J2-5745 | 3J2-6045 | 3J2-6345 | 3J2-6645 |
| 4800   |          |          |          |          |          |          |          |          |          |          |          |          | 3J1-6048 | 3J1-6348 | 3J1-6648 |
|        |          |          |          |          |          |          |          |          |          |          |          |          | 3J2-6048 | 3J2-6348 | 3J2-6648 |
| 5100   |          |          |          |          |          |          |          |          |          |          |          |          | 3J1-6051 | 3J1-6351 | 3J1-6651 |
|        |          |          |          |          |          |          |          |          |          |          |          |          | 3J2-6051 | 3J2-6351 | 3J2-6651 |
| 5400   |          |          |          |          |          |          |          |          |          |          |          |          |          | 3J1-6354 | 3J1-6654 |
|        |          |          |          |          |          |          |          |          |          |          |          |          |          | 3J2-6354 | 3J2-6654 |
| 5700   |          |          |          |          |          |          |          |          |          |          |          |          |          | 3J1-6357 | 3J1-6657 |
|        |          |          |          |          |          |          |          |          |          |          |          |          |          | 3J2-6357 | 3J2-6657 |
| 6000   |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 3J1-6660 |
|        |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 3J2-6660 |

注: 1. 防火卷帘的断面用料尺寸,洞口预埋件及安装装饰详见 72~73 页。

2. 3J1 为墙侧装, 3J2 为墙中装。

3. 本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

3J 水雾式无机布基  
 特级防火卷帘选用要点及选用表

图集号

03J609

审核

王祖光

校对

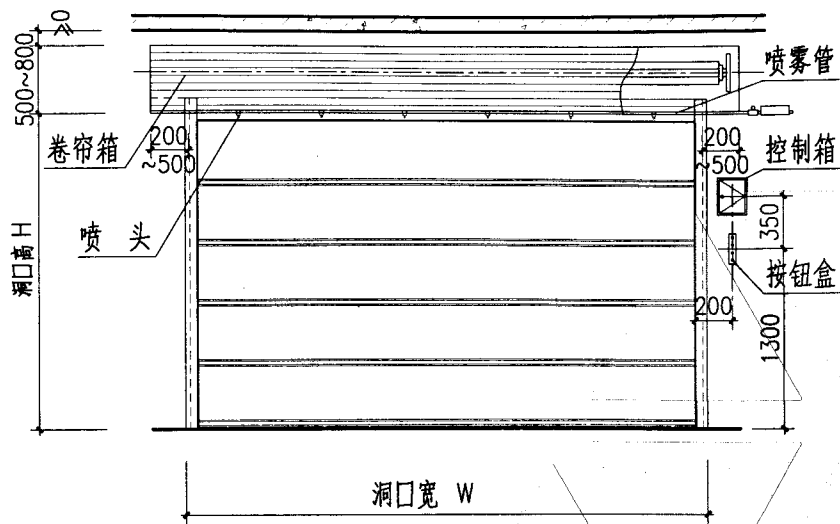
张兵

设计

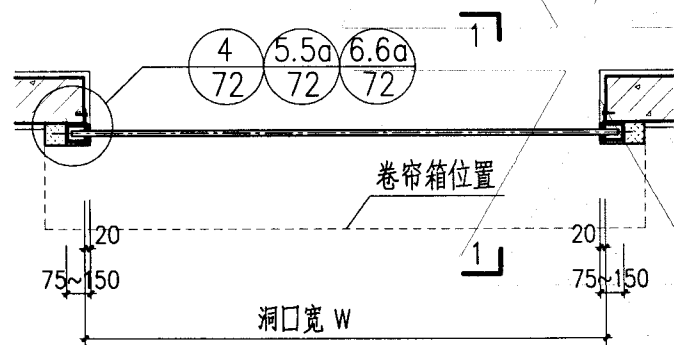
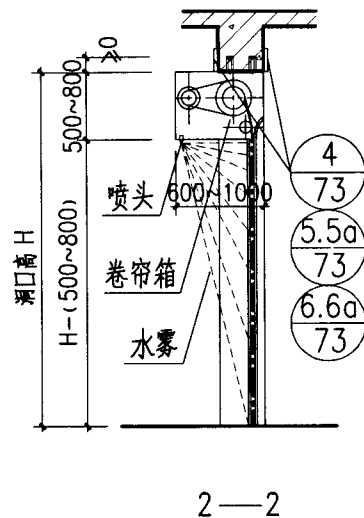
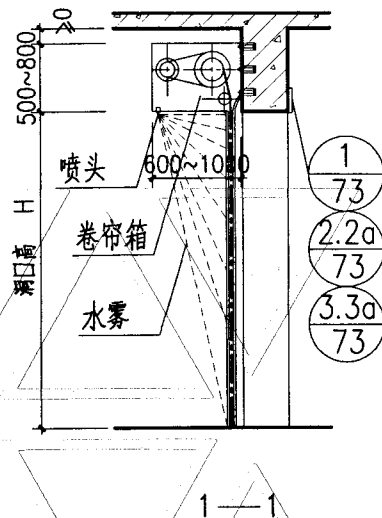
张苏萍

页

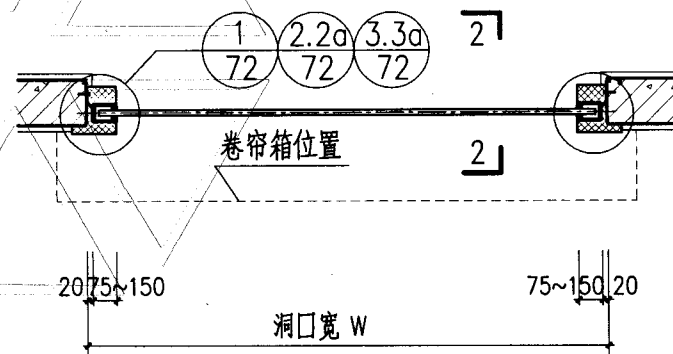
70



3J 水雾式无机布基特级防火卷帘立面图



3J1 (侧装) 平面图

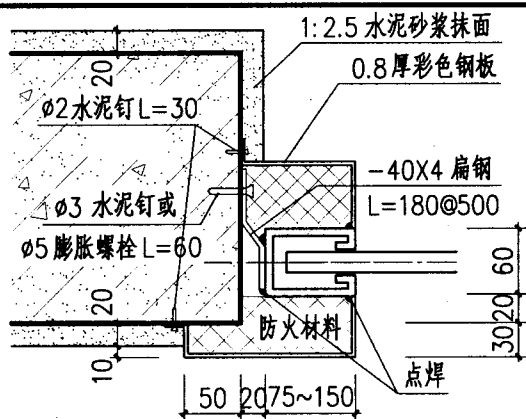


3J2 (中装) 平面图

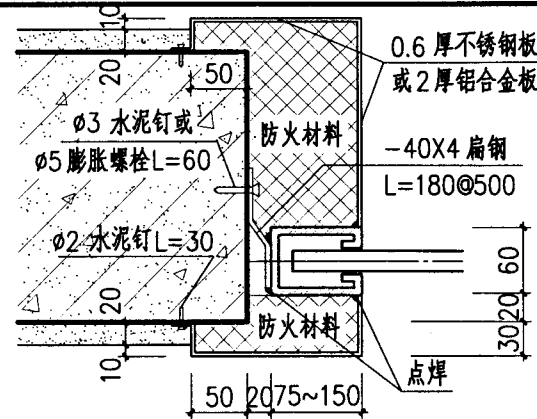
注：1. 该防火卷帘的断面用料尺寸，洞口预埋件及安装装饰详见72~73页。

2. 本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

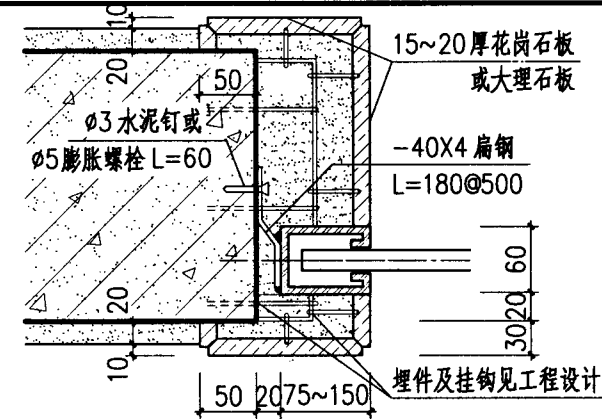
| 3J 水雾式无机布基<br>特级防火卷帘平、立、剖面图 |     |    |    |    | 图集号 | 03J609 |
|-----------------------------|-----|----|----|----|-----|--------|
| 审核                          | 王沁光 | 校对 | 彭岳 | 设计 | 张丽萍 | 页      |
|                             |     |    |    |    |     | 71     |



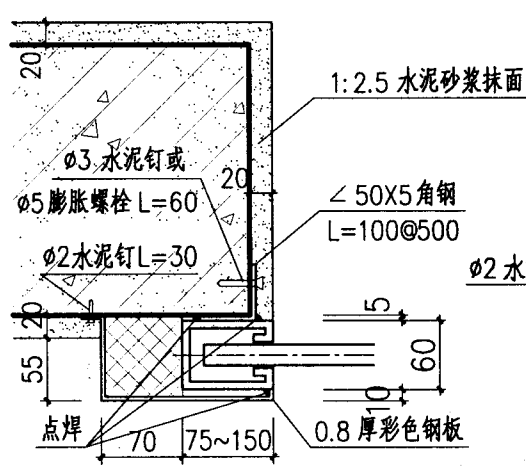
① 水泥砂浆装修



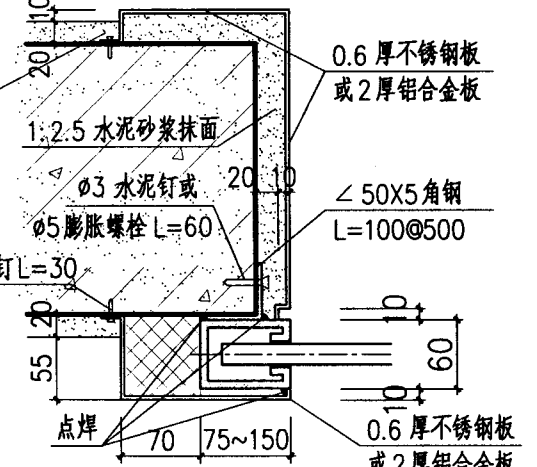
② 不锈钢板装修 ②a 铝合金板装修



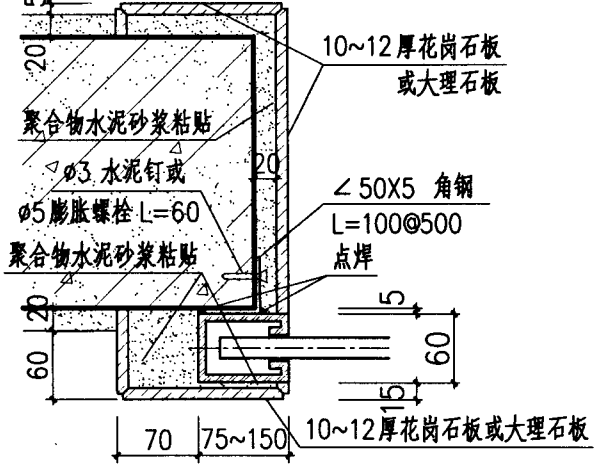
③ 花岗石板装修 ③a 大理石板装修



④ 水泥砂浆装修



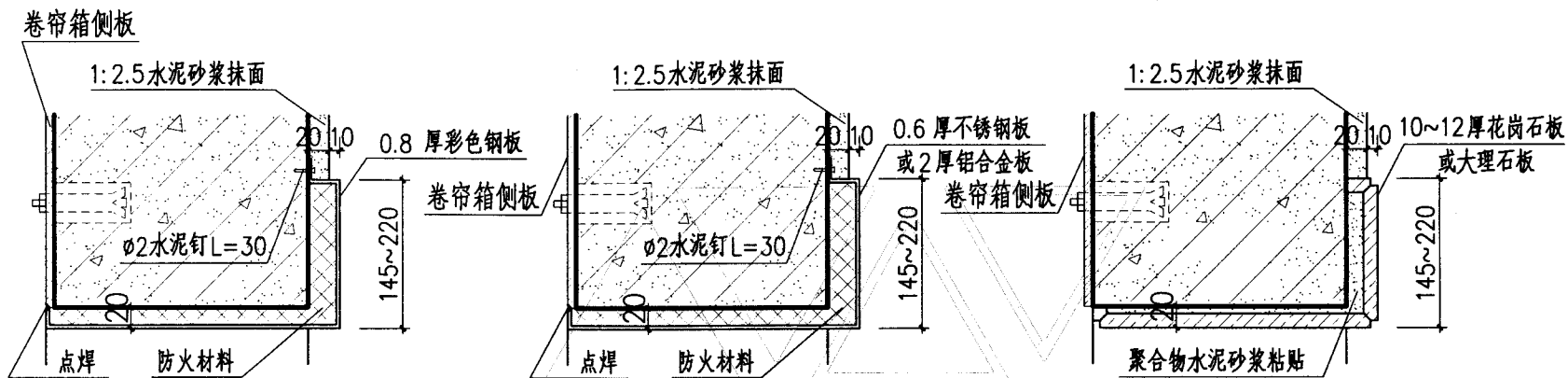
⑤ 不锈钢板装修 ⑤a 铝合金板装修



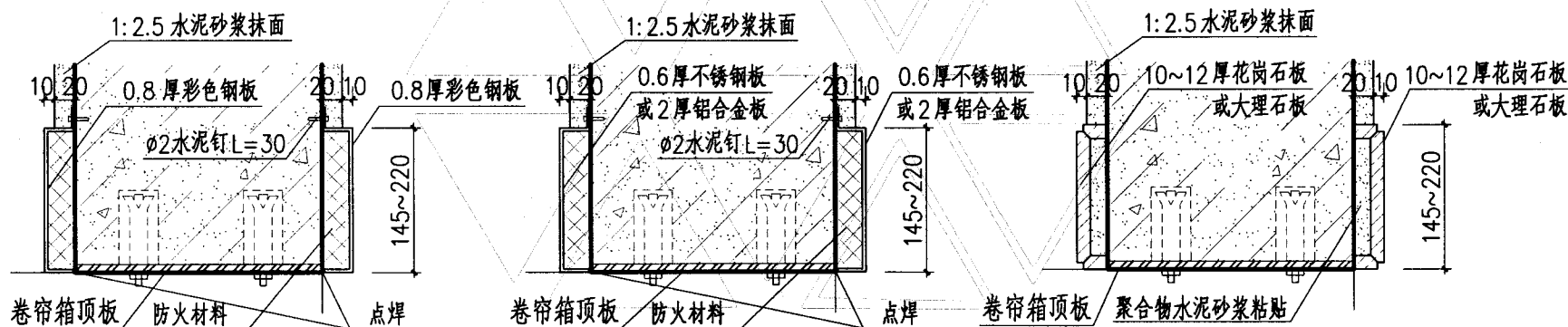
⑥ 花岗石板装修 ⑥a 大理石板装修

注：本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

| 1J、2J、3J<br>单导轨安装装饰节点 (一) |     |    |     | 图集号 | 03J609 |
|---------------------------|-----|----|-----|-----|--------|
| 审核                        | 王立光 | 校对 | 王立光 | 设计  | 张淑萍    |
|                           |     |    |     | 页   | 72     |



① 水泥砂浆装修 ② 不锈钢板装修 ②a 铝合金板装修 ③ 花岗石板装修 ③a 大理石板装修



④ 水泥砂浆装修 ⑤ 不锈钢板装修 ⑤a 铝合金板装修 ⑥ 花岗石板装修 ⑥a 大理石板装修

注：本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

|               |     |    |    |     |        |
|---------------|-----|----|----|-----|--------|
| 1J、2J、3J      |     |    |    | 图集号 | 03J609 |
| 单导轨安装装饰节点 (二) |     |    |    | 页   | 73     |
| 审核            | 王初光 | 校对 | 张兵 | 设计  | 张苏萍    |

## 4J 双轨无机布基特级防火卷帘选用要点

双轨无机布基特级防火卷帘系由两道防火卷帘组成，其中间间隔为200mm~500mm，该空气层增强了卷帘的防火隔热性能。该卷帘不需要水幕保护，也不需要水雾保护，即可达到特级卷帘的全部防火技术要求。

求。因此完全可省去消防用水。

双轨无机布基特级防火卷帘帘面构造同 3J 型特级防火卷帘，适用范围及技术性能指标等均见 2J 型特级防火卷帘。

### 4J 双轨无机布基特级防火卷帘选用表

| H \ W | 2400     | 2700     | 3000     | 3300     | 3600     | 3900     | 4200     | 4500     | 4800     | 5100     | 5400     | 5700     | 6000     | 6300     | 6600     |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 2400  | 4J1-2424 | 4J1-2724 | 4J1-3024 | 4J1-3324 | 4J1-3624 | 4J1-3924 | 4J1-4224 | 4J1-4524 | 4J1-4824 | 4J1-5124 | 4J1-5424 | 4J1-5724 | 4J1-6024 | 4J1-6324 | 4J1-6624 |
|       | 4J2-2424 | 4J2-2724 | 4J2-3024 | 4J2-3324 | 4J2-3624 | 4J2-3924 | 4J2-4224 | 4J2-4524 | 4J2-4824 | 4J2-5124 | 4J2-5424 | 4J2-5724 | 4J2-6024 | 4J2-6324 | 4J2-6624 |
| 2700  | 4J1-2427 | 4J1-2727 | 4J1-3027 | 4J1-3327 | 4J1-3627 | 4J1-3927 | 4J1-4227 | 4J1-4527 | 4J1-4827 | 4J1-5127 | 4J1-5427 | 4J1-5727 | 4J1-6027 | 4J1-6327 | 4J1-6627 |
|       | 4J2-2427 | 4J2-2727 | 4J2-3027 | 4J2-3327 | 4J2-3627 | 4J2-3927 | 4J2-4227 | 4J2-4527 | 4J2-4827 | 4J2-5127 | 4J2-5427 | 4J2-5727 | 4J2-6027 | 4J2-6327 | 4J2-6627 |
| 3000  | 4J1-2430 | 4J1-2730 | 4J1-3030 | 4J1-3330 | 4J1-3630 | 4J1-3930 | 4J1-4230 | 4J1-4530 | 4J1-4830 | 4J1-5130 | 4J1-5430 | 4J1-5730 | 4J1-6030 | 4J1-6330 | 4J1-6630 |
|       | 4J2-2430 | 4J2-2730 | 4J2-3030 | 4J2-3330 | 4J2-3630 | 4J2-3930 | 4J2-4230 | 4J2-4530 | 4J2-4830 | 4J2-5130 | 4J2-5430 | 4J2-5730 | 4J2-6030 | 4J2-6330 | 4J2-6630 |
| 3300  | 4J1-2433 | 4J1-2733 | 4J1-3033 | 4J1-3333 | 4J1-3633 | 4J1-3933 | 4J1-4233 | 4J1-4533 | 4J1-4833 | 4J1-5133 | 4J1-5433 | 4J1-5733 | 4J1-6033 | 4J1-6333 | 4J1-6633 |
|       | 4J2-2433 | 4J2-2733 | 4J2-3033 | 4J2-3333 | 4J2-3633 | 4J2-3933 | 4J2-4233 | 4J2-4533 | 4J2-4833 | 4J2-5133 | 4J2-5433 | 4J2-5733 | 4J2-6033 | 4J2-6333 | 4J2-6633 |
| 3600  |          |          |          |          | 4J1-3636 | 4J1-3936 | 4J1-4236 | 4J1-4536 | 4J1-4836 | 4J1-5136 | 4J1-5436 | 4J1-5736 | 4J1-6036 | 4J1-6336 | 4J1-6636 |
|       |          |          |          |          | 4J2-3636 | 4J2-3936 | 4J2-4236 | 4J2-4536 | 4J2-4836 | 4J2-5136 | 4J2-5436 | 4J2-5736 | 4J2-6036 | 4J2-6336 | 4J2-6636 |
| 3900  |          |          |          |          |          |          |          | 4J1-4539 | 4J1-4839 | 4J1-5139 | 4J1-5439 | 4J1-5739 | 4J1-6039 | 4J1-6339 | 4J1-6639 |
|       |          |          |          |          |          |          |          | 4J2-4539 | 4J2-4839 | 4J2-5139 | 4J2-5439 | 4J2-5739 | 4J2-6039 | 4J2-6339 | 4J2-6639 |
| 4200  |          |          |          |          |          |          |          |          |          | 4J1-5142 | 4J1-5442 | 4J1-5742 | 4J1-6042 | 4J1-6342 | 4J1-6642 |
|       |          |          |          |          |          |          |          |          |          | 4J2-5142 | 4J2-5442 | 4J2-5742 | 4J2-6042 | 4J2-6342 | 4J2-6642 |
| 4500  |          |          |          |          |          |          |          |          |          |          |          | 4J1-5745 | 4J1-6045 | 4J1-6345 | 4J1-6645 |
|       |          |          |          |          |          |          |          |          |          |          |          | 4J2-5745 | 4J2-6045 | 4J2-6345 | 4J2-6645 |
| 4800  |          |          |          |          |          |          |          |          |          |          |          |          | 4J1-6048 | 4J1-6348 | 4J1-6648 |
|       |          |          |          |          |          |          |          |          |          |          |          |          | 4J2-6048 | 4J2-6348 | 4J2-6648 |
| 5100  |          |          |          |          |          |          |          |          |          |          |          |          | 4J1-6051 | 4J1-6351 | 4J1-6651 |
|       |          |          |          |          |          |          |          |          |          |          |          |          | 4J2-6051 | 4J2-6351 | 4J2-6651 |
| 5400  |          |          |          |          |          |          |          |          |          |          |          |          |          | 4J1-6354 | 4J1-6654 |
|       |          |          |          |          |          |          |          |          |          |          |          |          |          | 4J2-6354 | 4J2-6654 |
| 5700  |          |          |          |          |          |          |          |          |          |          |          |          |          | 4J1-6357 | 4J1-6657 |
|       |          |          |          |          |          |          |          |          |          |          |          |          |          | 4J2-6357 | 4J2-6657 |
| 6000  |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 4J1-6660 |
|       |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 4J2-6660 |

注：1. 防火卷帘的断面用料尺寸，洞口预埋件及安装装饰详见 76~77 页。

2. 4J1 为墙侧装，4J2 为墙中装。

3. 本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

4J 双轨无机布基  
特级防火卷帘选用要点及选用表

图集号

03J609

审核

王沁光

校对

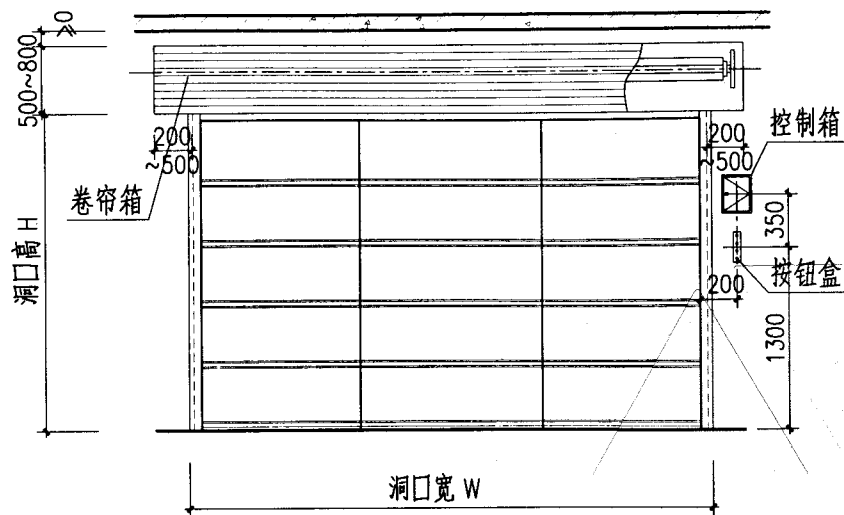
王沁光

设计

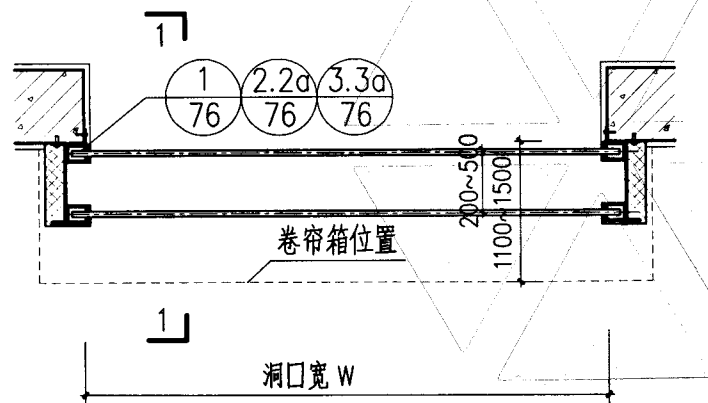
王沁光

页

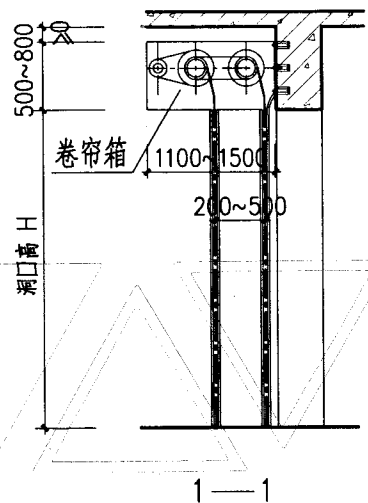
74



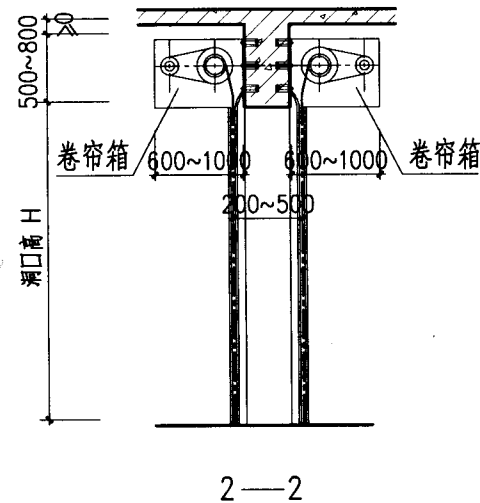
4J 双轨无机布基特级防火卷帘立面图



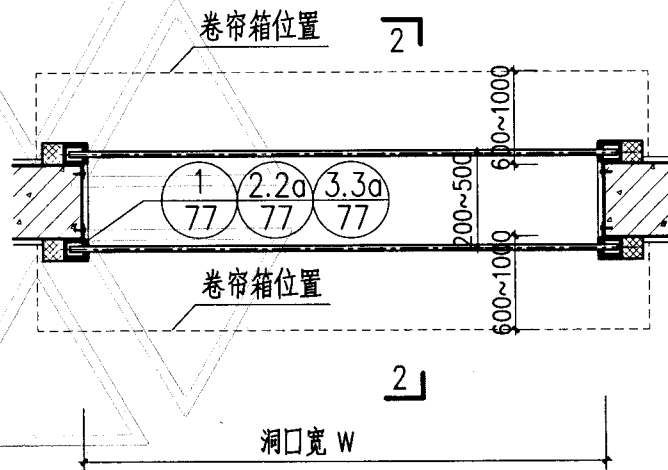
4J1 (侧装) 平面图



1—1



2—2



4J2 (中装) 平面图

注：1. 该防火卷帘的断面用料尺寸，洞口预埋件及安装装饰详见 76~77 页。

2. 本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

4J 双轨无机布基  
特级防火卷帘详图

图集号

03J609

审核

王祖光

校对

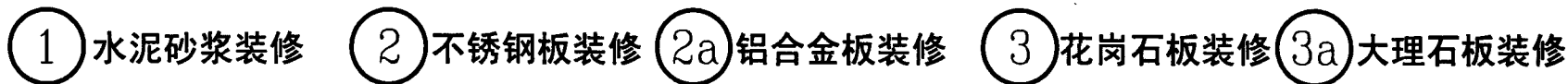
王祖光

设计

王祖光

页

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#### 4J 双导轨安装装饰节点 (一)

图集号

03J609

审核

子 子 子 子

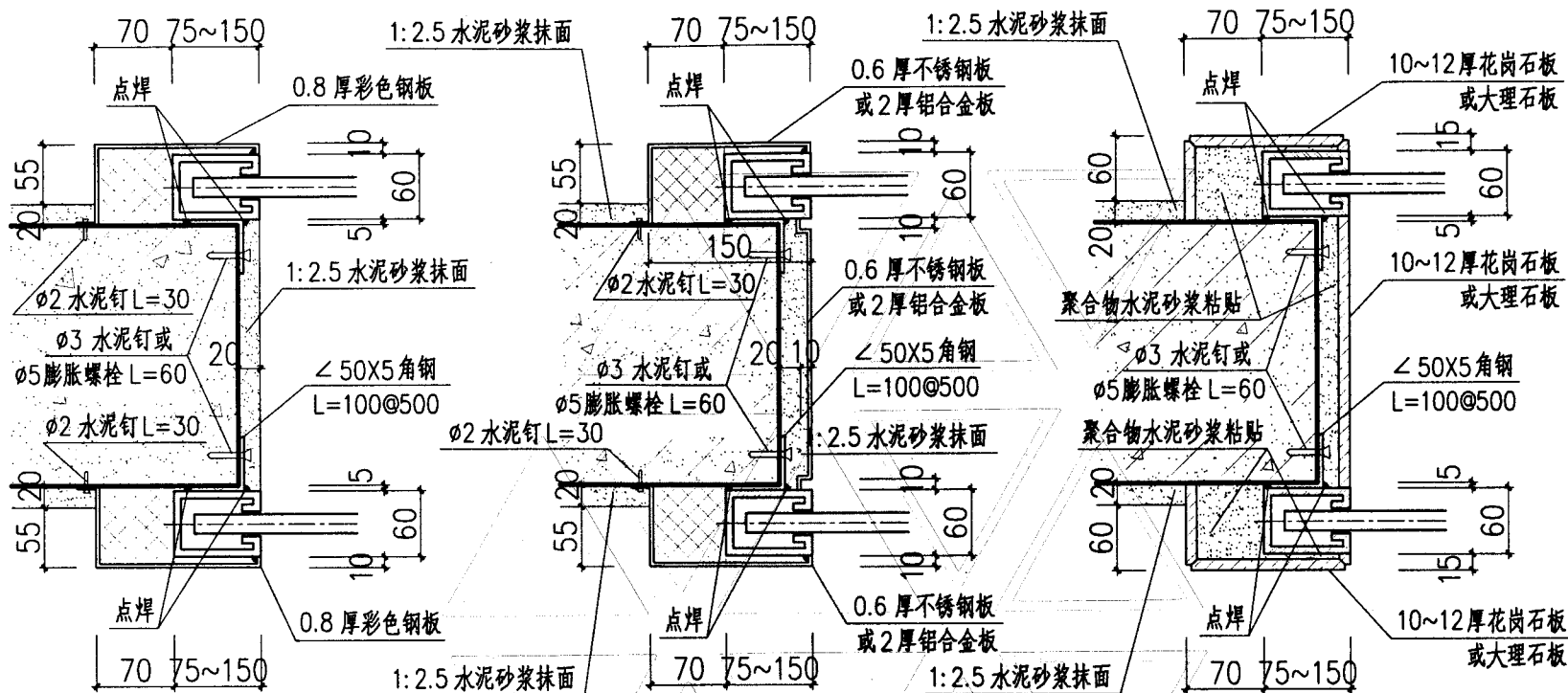
校对

32

音

頁

76



① 水泥砂浆装修

② 不锈钢板装修

2a 铝合金板装修

③ 花岗石板装修

3a 大理石板装修

注：本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

4J 双导轨安装装饰节点 (二)

图集号

03J609

审核

王祖光

校对

张岳

设计

潘苏萍

页

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## 5J 带平开小门钢防火卷帘选用要点

该防火卷帘用于需设疏散门的部位，在接收火警信号后卷帘关闭，实现防火隔断。行人可通过平开小门疏散，由于闭门器的作用平开小门

处于常闭状态，平开门型号及卷帘型号须在本图集中另选并在设计图中注明。其洞口最大宽度为9000mm，高度为6000mm。

### 5J 带平开小门钢防火卷帘选用表

| H \ W | 2400    | 2700    | 3000    | 3300    | 3600    | 3900    | 4200    | 4500    | 4800    | 5100    | 5400    | 5700    | 6000    | 6300    | 6600    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 2400  | 5J-2424 | 5J-2724 | 5J-3024 | 5J-3324 | 5J-3624 | 5J-3924 | 5J-4224 | 5J-4524 | 5J-4824 | 5J-5124 | 5J-5424 | 5J-5724 | 5J-6024 | 5J-6324 | 5J-6624 |
| 2700  | 5J-2427 | 5J-2727 | 5J-3027 | 5J-3327 | 5J-3627 | 5J-3927 | 5J-4227 | 5J-4527 | 5J-4827 | 5J-5127 | 5J-5427 | 5J-5727 | 5J-6027 | 5J-6327 | 5J-6627 |
| 3000  | 5J-2430 | 5J-2730 | 5J-3030 | 5J-3330 | 5J-3630 | 5J-3930 | 5J-4230 | 5J-4530 | 5J-4830 | 5J-5130 | 5J-5430 | 5J-5730 | 5J-6030 | 5J-6330 | 5J-6630 |
| 3300  | 5J-2433 | 5J-2733 | 5J-3033 | 5J-3333 | 5J-3633 | 5J-3933 | 5J-4233 | 5J-4533 | 5J-4833 | 5J-5133 | 5J-5433 | 5J-5733 | 5J-6033 | 5J-6333 | 5J-6633 |
| 3600  |         |         |         |         | 5J-3636 | 5J-3936 | 5J-4236 | 5J-4536 | 5J-4836 | 5J-5136 | 5J-5436 | 5J-5736 | 5J-6036 | 5J-6336 | 5J-6636 |
| 3900  |         |         |         |         |         |         |         | 5J-4539 | 5J-4839 | 5J-5139 | 5J-5439 | 5J-5739 | 5J-6039 | 5J-6339 | 5J-6639 |
| 4200  |         |         |         |         |         |         |         |         |         | 5J-5142 | 5J-5442 | 5J-5742 | 5J-6042 | 5J-6342 | 5J-6642 |
| 4500  |         |         |         |         |         |         |         |         |         |         |         | 5J-5745 | 5J-6045 | 5J-6345 | 5J-6645 |
| 4800  |         |         |         |         |         |         |         |         |         |         |         |         | 5J-6048 | 5J-6348 | 5J-6648 |
| 5100  |         |         |         |         |         |         |         |         |         |         |         |         | 5J-6051 | 5J-6351 | 5J-6651 |
| 5400  |         |         |         |         |         |         |         |         |         |         |         |         |         | 5J-6354 | 5J-6654 |
| 5700  |         |         |         |         |         |         |         |         |         |         |         |         |         | 5J-6357 | 5J-6657 |
| 6000  |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 5J-6660 |

注：1. 防火卷帘的断面用料尺寸，洞口预埋件及安装装饰详见80~82页。

2. 本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

### 5J 带平开小门 钢防火卷帘选用要点及选用表

图集号

03J609

审核

王祖光

校对

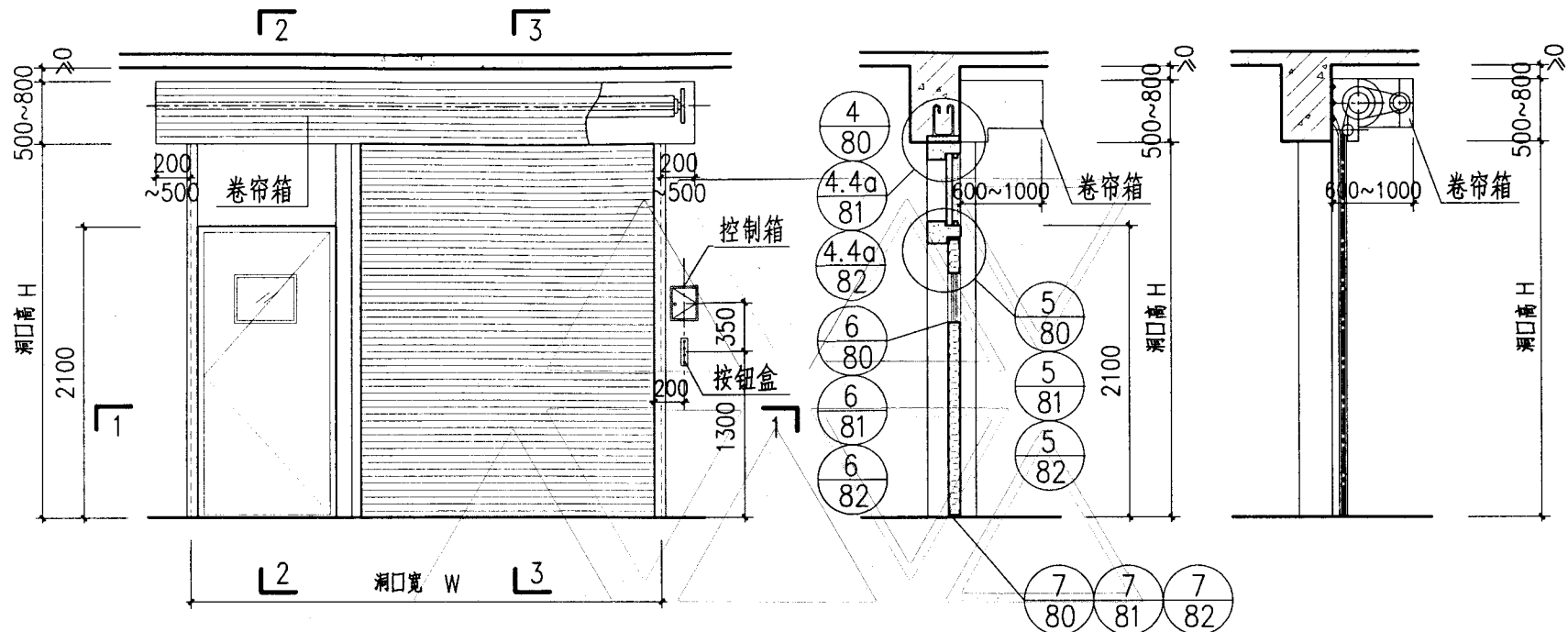
王云

设计

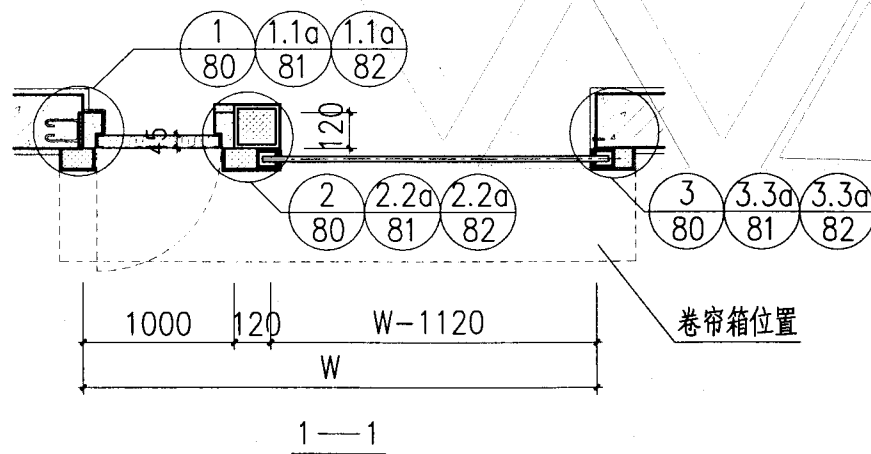
张苏萍

页

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5J带平开小门钢防火卷帘立面图



注:

1. 防火卷帘的断面用料尺寸, 洞口预埋件及安装饰详见80~82页。
2. 本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

5J带平开小门钢防火卷帘详图

图集号

03J609

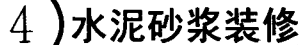
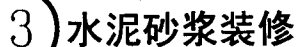
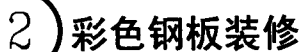
审核 王祖光

校对 王祖光

设计 王祖光

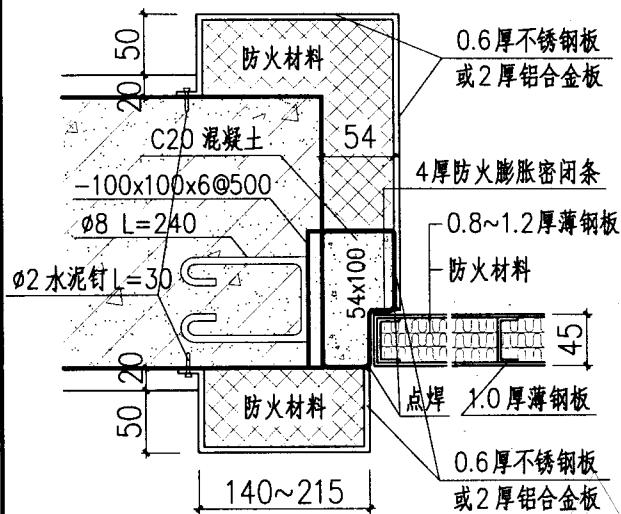
页

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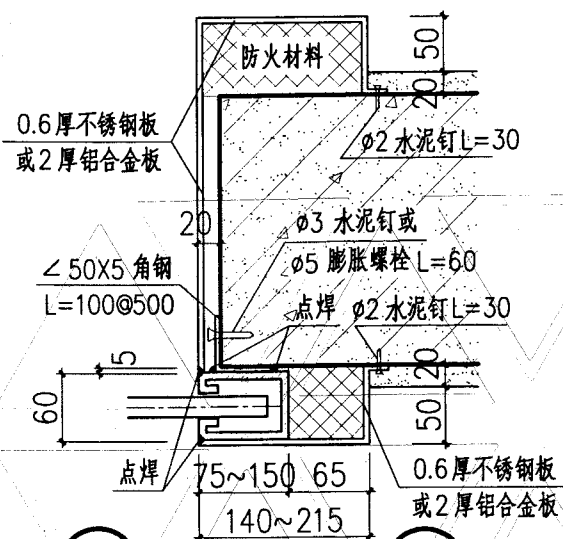


本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

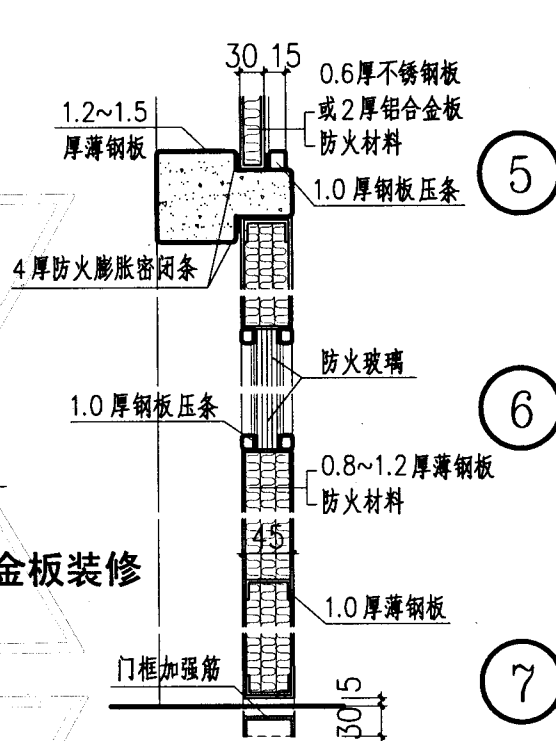
|                           |     |    |    |     |        |
|---------------------------|-----|----|----|-----|--------|
| 5J带平开小门钢防火卷帘<br>安装装饰节点（一） |     |    |    | 图集号 | 03J609 |
| 审核                        | 王沁光 | 校对 | 张兵 | 设计  | 张苏萍    |
|                           |     |    |    | 页   | 80     |



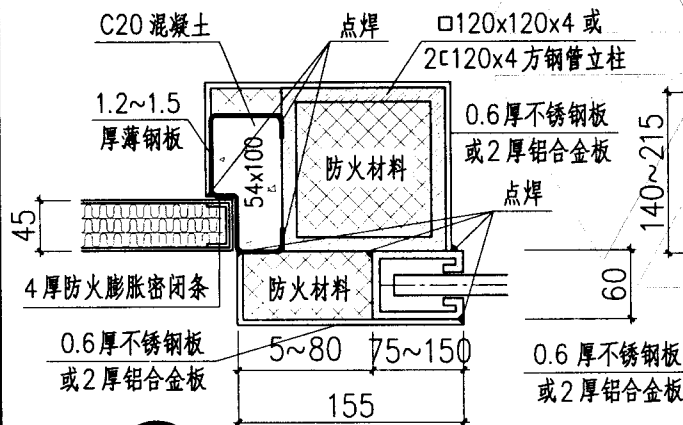
① 不锈钢板装修 ①a 铝合金板装修



③ 不锈钢板装修 ③a 铝合金板装修

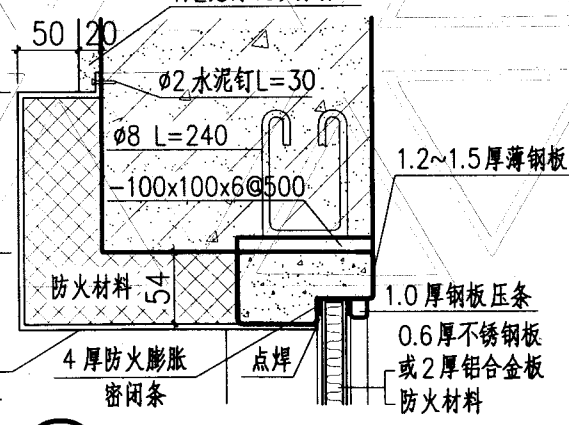


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② 不锈钢板装修

②a 铝合金板装修



④ 不锈钢板装修

④a 铝合金板装修

注：  
本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

| 5J带平开小门钢防火卷帘<br>安装装饰节点(二) |     |    |    |    | 图集号 | 03J609 |
|---------------------------|-----|----|----|----|-----|--------|
| 审核                        | 王祖光 | 校对 | 张岳 | 设计 | 张淑萍 | 页      |
|                           |     |    |    |    |     | 81     |



## 6J 侧向钢防火卷帘选用要点

侧向钢卷帘系根据《钢质防火卷帘通用技术条件》GB14102-93 及相关企业标准设计制作,其特点是将卷帘箱竖立放置在楼地面上,帘板悬挂在上方导轨内,靠滚轮沿导轨运动实现卷帘启闭,导轨可为直线或曲线,地面无导轨。

### 1 适用范围:

适用于大跨度洞口及曲线形低空间场合的防火隔断,如中庭、地下停车库等场所。

### 2 技术性能指标:

2.1 卷帘平均运行速度 (mm/min): 2000~12000

2.2 耐火极限 (h):  $\geq 3.0$

2.3 最大洞口宽度 (mm):  $\leq 40000$

2.4 最大洞口高度 (mm):  $\leq 6000$

2.5 最小弯曲半径 (mm):  $\geq 800$

2.6 卷帘启闭运行平均噪声 (dB): 75

2.7 耐风压强度 (Pa):  $\geq 784.5$

2.8 导轨高度 (mm): 150

2.8 帘板距地面缝宽 (mm): 20

### 3 主要技术参数见表 3。

### 4 选用要点

4.1 在平面图上确定侧向卷帘轨道的平面形状及几何尺寸,计算出洞口宽度,据此选择卷帘箱规格尺寸。为缩短启闭时间,洞口宽度宜小于或等于 24000mm。

4.2 当洞口宽度超过 24000mm 时,应优先选用两樘对开的卷帘。

4.3 曲线卷帘其最小弯曲半径应  $\geq 800\text{mm}$ 。

4.4 卷帘门有效通行高度 = 卷帘箱高度 - (200~400mm)。

4.5 卷帘箱宜用砌体或其它装饰材料饰面,因此在卷帘箱周围应留有不小于 50mm 的空间。并在卷帘箱体的饰面层上设置宽  $\times$  高为 600 $\times$ 1200mm 的检修门。

4.6 当洞口宽大于 20000mm 时,每隔 10000mm 加一台辅助卷机。辅助卷机与拨轴同步运行,将卷帘拨出。

4.7 设计选用中应注明耐火等级,如卷帘用于外墙,应注明卷帘抗风压值。

5 本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

表 3 主要技术参数

| 洞口宽度(W)<br>(mm) | 洞口高度(H)<br>(mm) | 卷帘箱长度<br>(A)(mm) | 卷帘箱宽度<br>(B)(mm) | 卷帘箱总重量<br>(Kg) | 电机功率<br>(w) |
|-----------------|-----------------|------------------|------------------|----------------|-------------|
| 8000            | 3000~6000       | 1100             | 900              | 1300~2600      | 550         |
| 16000           | 3000~6000       | 1300             | 1100             | 2000~4000      | 750         |
| 24000           | 3000~6000       | 1500             | 1200             | 3000~6000      | 750X2       |
| 32000           | 3000~6000       | 1700             | 1400             | 4000~8000      | 750X2       |
| 40000           | 3000~6000       | 2000             | 1600             | 4500~9000      | 750X2       |

## 6J 侧向钢防火卷帘选用要点

图集号

03J609

审核

王祖光

校对

王祖光

设计

张苏萍

页

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6J 侧向钢防火卷帘选用表

6J1 侧向钢防火卷帘选用表

| H \ W | 6000     | 9000     | 12000     | 15000     | 18000     | 21000     | 24000     | 27000     | 30000     | 33000     | 36000     | 39000     |
|-------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 2400  | 6J1-6024 | 6J1-9024 | 6J1-12024 | 6J1-15024 | 6J1-18024 | 6J1-21024 | 6J1-24024 | 6J1-27024 | 6J1-30024 | 6J1-33024 | 6J1-36024 | 6J1-39024 |
| 2700  | 6J1-6027 | 6J1-9027 | 6J1-12027 | 6J1-15027 | 6J1-18027 | 6J1-21027 | 6J1-24027 | 6J1-27027 | 6J1-30027 | 6J1-33027 | 6J1-36027 | 6J1-39027 |
| 3000  | 6J1-6030 | 6J1-9030 | 6J1-12030 | 6J1-15030 | 6J1-18030 | 6J1-21030 | 6J1-24030 | 6J1-27030 | 6J1-30030 | 6J1-33030 | 6J1-36030 | 6J1-39030 |
| 3300  | 6J1-6033 | 6J1-9033 | 6J1-12033 | 6J1-15033 | 6J1-18033 | 6J1-21033 | 6J1-24033 | 6J1-27033 | 6J1-30033 | 6J1-33033 | 6J1-36033 | 6J1-39033 |
| 3600  | 6J1-6036 | 6J1-9036 | 6J1-12036 | 6J1-15036 | 6J1-18036 | 6J1-21036 | 6J1-24036 | 6J1-27036 | 6J1-30036 | 6J1-33036 | 6J1-36036 | 6J1-39036 |
| 3900  | 6J1-6039 | 6J1-9039 | 6J1-12039 | 6J1-15039 | 6J1-18039 | 6J1-21039 | 6J1-24039 | 6J1-27039 | 6J1-30039 | 6J1-33039 | 6J1-36039 | 6J1-39039 |
| 4200  | 6J1-6042 | 6J1-9042 | 6J1-12042 | 6J1-15042 | 6J1-18042 | 6J1-21042 | 6J1-24042 | 6J1-27042 | 6J1-30042 | 6J1-33042 | 6J1-36042 | 6J1-39042 |
| 4500  | 6J1-6045 | 6J1-9045 | 6J1-12045 | 6J1-15045 | 6J1-18045 | 6J1-21045 | 6J1-24045 | 6J1-27045 | 6J1-30045 | 6J1-33045 | 6J1-36045 | 6J1-39045 |
| 4800  | 6J1-6048 | 6J1-9048 | 6J1-12048 | 6J1-15048 | 6J1-18048 | 6J1-21048 | 6J1-24048 | 6J1-27048 | 6J1-30048 | 6J1-33048 | 6J1-36048 | 6J1-39048 |

6J2 侧向钢防火卷帘选用表

| H \ W | 8000     | 10000     | 14000     | 16000     | 20000     | 22000     | 26000     | 28000     | 32000     | 34000     | 38000     | 40000     |
|-------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 2400  | 6J2-8024 | 6J2-10024 | 6J2-14024 | 6J2-16024 | 6J2-20024 | 6J2-22024 | 6J2-26024 | 6J2-28024 | 6J2-32024 | 6J2-34024 | 6J2-38024 | 6J2-40024 |
| 2700  | 6J2-8027 | 6J2-10027 | 6J2-14027 | 6J2-16027 | 6J2-20027 | 6J2-22027 | 6J2-26027 | 6J2-28027 | 6J2-32027 | 6J2-34027 | 6J2-38027 | 6J2-40027 |
| 3000  | 6J2-8030 | 6J2-10030 | 6J2-14030 | 6J2-16030 | 6J2-20030 | 6J2-22030 | 6J2-26030 | 6J2-28030 | 6J2-32030 | 6J2-34030 | 6J2-38030 | 6J2-40030 |
| 3300  | 6J2-8033 | 6J2-10033 | 6J2-14033 | 6J2-16033 | 6J2-20033 | 6J2-22033 | 6J2-26033 | 6J2-28033 | 6J2-32033 | 6J2-34033 | 6J2-38033 | 6J2-40033 |
| 3600  | 6J2-8036 | 6J2-10036 | 6J2-14036 | 6J2-16036 | 6J2-20036 | 6J2-22036 | 6J2-26036 | 6J2-28036 | 6J2-32036 | 6J2-34036 | 6J2-38036 | 6J2-40036 |
| 3900  | 6J2-8039 | 6J2-10039 | 6J2-14039 | 6J2-16039 | 6J2-20039 | 6J2-22039 | 6J2-26039 | 6J2-28039 | 6J2-32039 | 6J2-34039 | 6J2-38039 | 6J2-40039 |
| 4200  | 6J2-8042 | 6J2-10042 | 6J2-14042 | 6J2-16042 | 6J2-20042 | 6J2-22042 | 6J2-26042 | 6J2-28042 | 6J2-32042 | 6J2-34042 | 6J2-38042 | 6J2-40042 |
| 4500  | 6J2-8045 | 6J2-10045 | 6J2-14045 | 6J2-16045 | 6J2-20045 | 6J2-22045 | 6J2-26045 | 6J2-28045 | 6J2-32045 | 6J2-34045 | 6J2-38045 | 6J2-40045 |
| 4800  | 6J2-8048 | 6J2-10048 | 6J2-14048 | 6J2-16048 | 6J2-20048 | 6J2-22048 | 6J2-26048 | 6J2-28048 | 6J2-32048 | 6J2-34048 | 6J2-38048 | 6J2-40048 |

注：1. 防火卷帘的断面用料尺寸，洞口预埋件及安装装饰详见 85~86 页。

2. 6J1 为带洞口的侧向钢防火卷帘，6J2 为不带洞口的钢防火卷帘。

3. 本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

6J 侧向钢防火卷帘选用表

图集号

03J609

审核

王沁光

校对

王岳

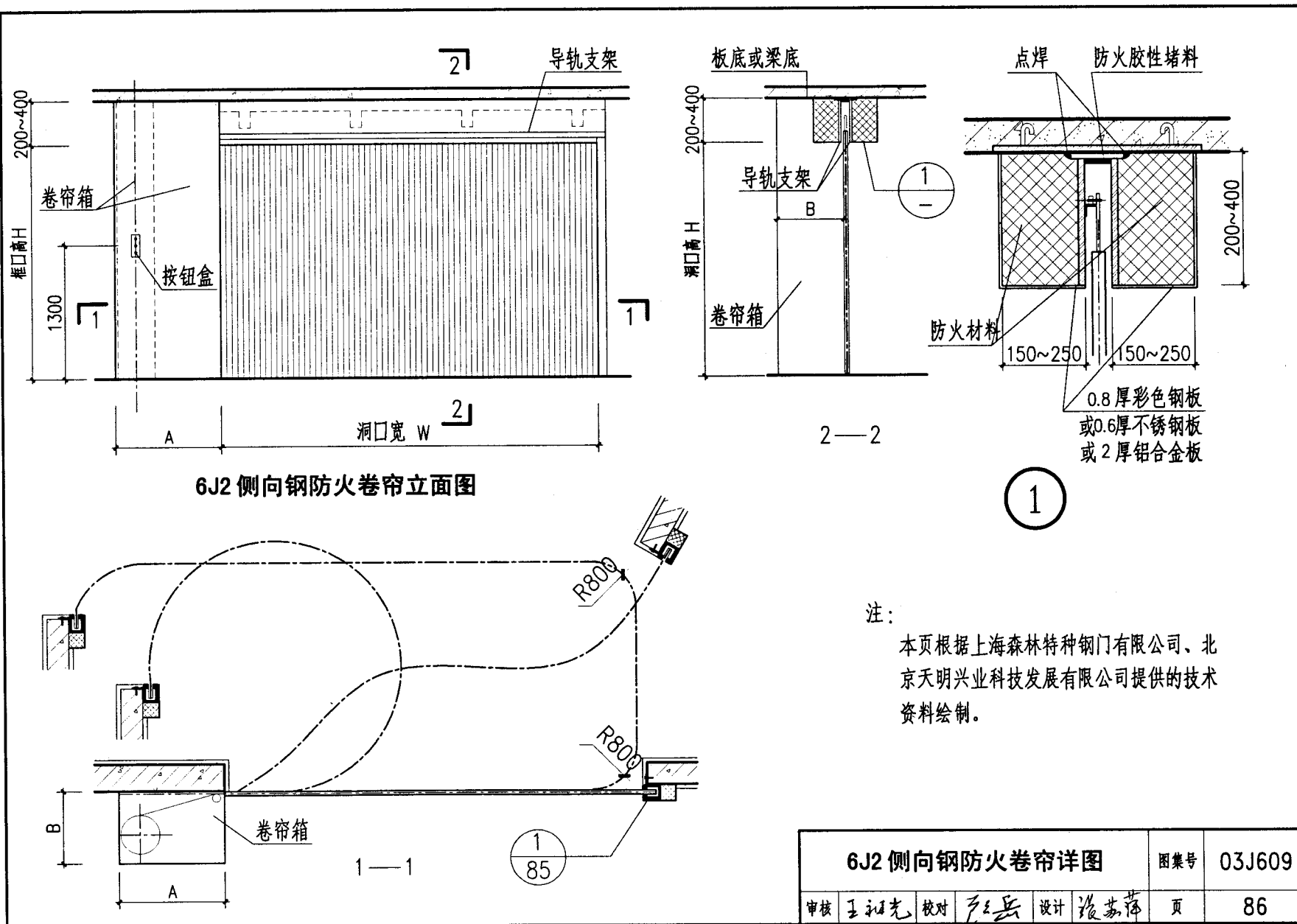
设计

张苏萍

页

84





## 7J 水平钢防火卷帘选用要点

该防火卷帘主要作为自动扶梯口或其它水平洞口的防火隔断，可减少隔断面积，节省工程造价。

### 1 技术性能指标

- 1.1 最大洞口宽度 (mm) :  $\leq 5000$
- 1.2 最大洞口长度 (mm) :  $\leq 16000$
- 1.3 最小弯曲半径 (mm) :  $R \geq 600$
- 1.4 耐火极限 (h) :  $> 3.0$

1.5 启闭速度 (mm/min) : 2000~9000

1.6 运行 (启闭) 噪声 (dB) : 75

1.7 电源 : 三相 380V, 50Hz

1.8 卷帘箱有不小于 500mm x 500mm 的维修孔

2 本资料由上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供。

### 7J 水平钢防火卷帘选用表

| W \ L | 3900    | 4200    | 4500    | 4800    | 5100    | 5400    | 5700    | 6000    | 8000    | 10000    | 12000    | 14000    | 16000    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|
| 1500  | 7J-3915 | 7J-4215 | 7J-4515 | 7J-4815 | 7J-5115 | 7J-5415 | 7J-5715 | 7J-6015 | 7J-8015 | 7J-10015 | 7J-12015 | 7J-14015 | 7J-16015 |
| 1800  | 7J-3918 | 7J-4218 | 7J-4518 | 7J-4818 | 7J-5118 | 7J-5418 | 7J-5718 | 7J-6018 | 7J-8018 | 7J-10018 | 7J-12018 | 7J-14018 | 7J-16018 |
| 2100  | 7J-3921 | 7J-4221 | 7J-4521 | 7J-4821 | 7J-5121 | 7J-5421 | 7J-5721 | 7J-6021 | 7J-8021 | 7J-10021 | 7J-12021 | 7J-14021 | 7J-16021 |
| 2400  | 7J-3924 | 7J-4224 | 7J-4524 | 7J-4824 | 7J-5124 | 7J-5424 | 7J-5724 | 7J-6024 | 7J-8024 | 7J-10024 | 7J-12024 | 7J-14024 | 7J-16024 |
| 2700  | 7J-3927 | 7J-4227 | 7J-4527 | 7J-4827 | 7J-5127 | 7J-5427 | 7J-5727 | 7J-6027 | 7J-8027 | 7J-10027 | 7J-12027 | 7J-14027 | 7J-16027 |
| 3000  | 7J-3930 | 7J-4230 | 7J-4530 | 7J-4830 | 7J-5130 | 7J-5430 | 7J-5730 | 7J-6030 | 7J-8030 | 7J-10030 | 7J-12030 | 7J-14030 | 7J-16030 |
| 3300  | 7J-3933 | 7J-4233 | 7J-4533 | 7J-4833 | 7J-5133 | 7J-5433 | 7J-5733 | 7J-6033 | 7J-8033 | 7J-10033 | 7J-12033 | 7J-14033 | 7J-16033 |
| 3600  | 7J-3936 | 7J-4236 | 7J-4536 | 7J-4836 | 7J-5136 | 7J-5436 | 7J-5736 | 7J-6036 | 7J-8036 | 7J-10036 | 7J-12036 | 7J-14036 | 7J-16036 |
| 3900  | 7J-3939 | 7J-4239 | 7J-4539 | 7J-4839 | 7J-5139 | 7J-5439 | 7J-5739 | 7J-6039 | 7J-8039 | 7J-10039 | 7J-12039 | 7J-14039 | 7J-16039 |
| 4200  | 7J-3942 | 7J-4242 | 7J-4542 | 7J-4842 | 7J-5142 | 7J-5442 | 7J-5742 | 7J-6042 | 7J-8042 | 7J-10042 | 7J-12042 | 7J-14042 | 7J-16042 |
| 4500  | 7J-3945 | 7J-4245 | 7J-4545 | 7J-4845 | 7J-5145 | 7J-5445 | 7J-5745 | 7J-6045 | 7J-8045 | 7J-10045 | 7J-12045 | 7J-14045 | 7J-16045 |
| 4800  | 7J-3948 | 7J-4248 | 7J-4548 | 7J-4848 | 7J-5148 | 7J-5448 | 7J-5748 | 7J-6048 | 7J-8048 | 7J-10048 | 7J-12048 | 7J-14048 | 7J-16048 |
| 5000  | 7J-3950 | 7J-4250 | 7J-4550 | 7J-4850 | 7J-5150 | 7J-5450 | 7J-5750 | 7J-6050 | 7J-8050 | 7J-10050 | 7J-12050 | 7J-14050 | 7J-16050 |

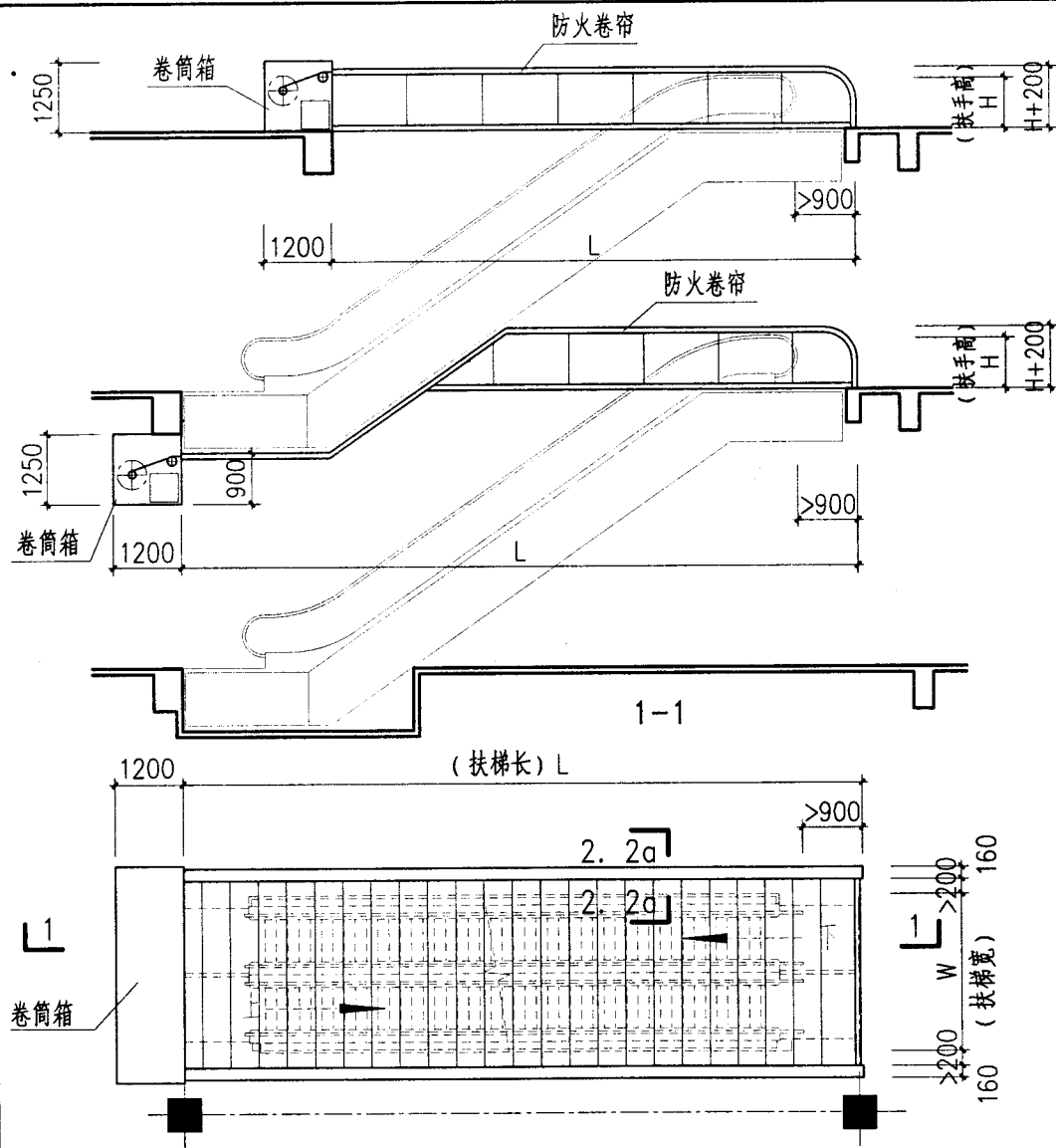
注：1. 防火卷帘的断面用料尺寸，洞口预埋件及安装装饰详见 88 页。

2. 本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

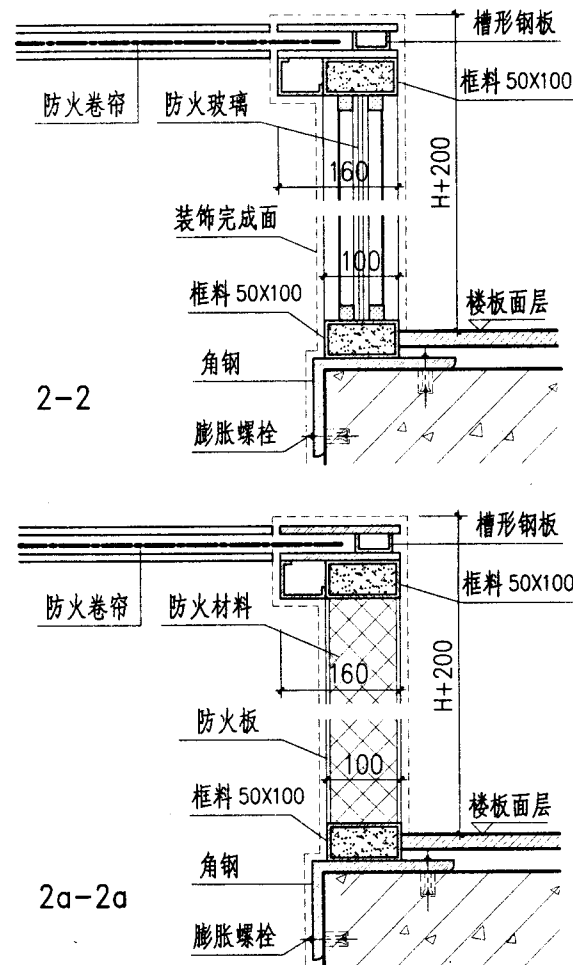
### 7J 水平钢防火卷帘 选用要点及选用表

图集号 03J609

审核 王祖光 校对 王岳 设计 潘苏萍 页 87



7J 水平钢防火卷帘平面图



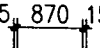
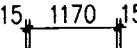
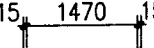
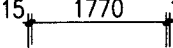
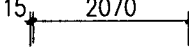
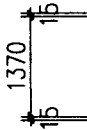
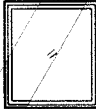
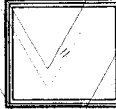
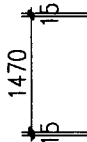
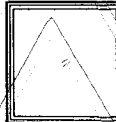
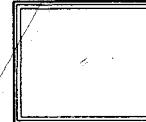
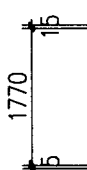
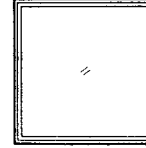
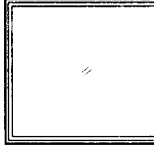
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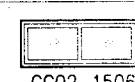
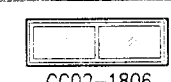
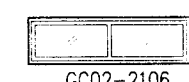
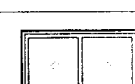
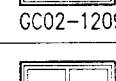
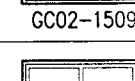
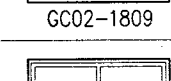
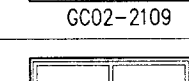
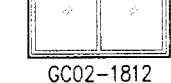
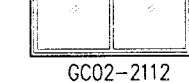
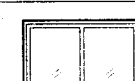
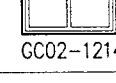
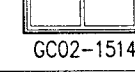
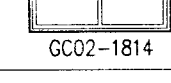
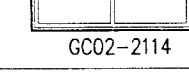
本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

7J 水平钢防火卷帘详图

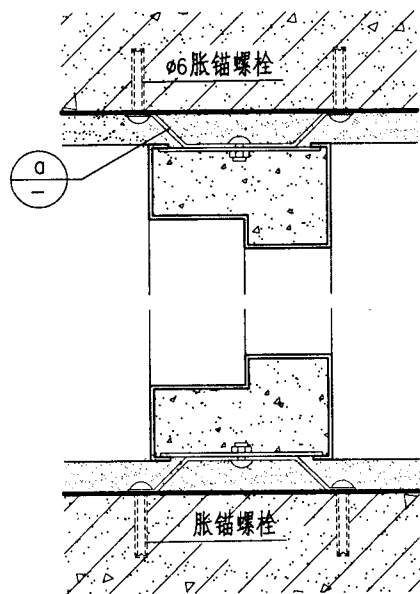
图集号 03J609

审核 王祖光 校对 设计 页 88

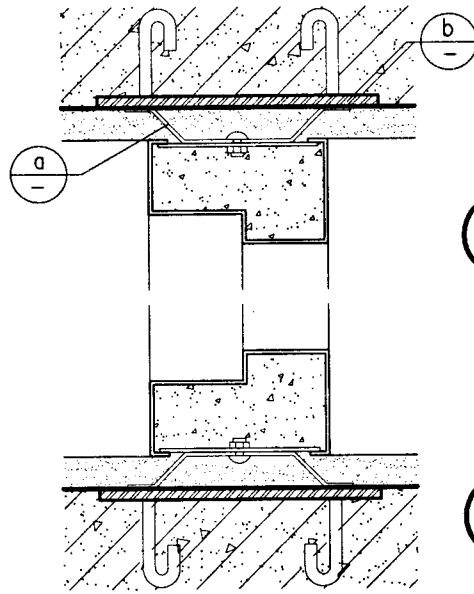
|      |      | 洞口尺寸                                                                               | 600                                                                                             | 900                                                                                             | 1200                                                                                            | 1500                                                                                              | 1800                                                                                              | 2100                                                                                              |     |        |
|------|------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----|--------|
|      |      | 框口尺寸                                                                               | 570                                                                                             | 870                                                                                             | 1170                                                                                            | 1470                                                                                              | 1770                                                                                              | 2070                                                                                              |     |        |
|      |      |                                                                                    | 15 570 15<br>  | 15 870 15<br>  | 15 1170 15<br> | 15 1470 15<br> | 15 1770 15<br> | 15 2070 15<br> |     |        |
| 600  | 570  |   | <br>GC01-0606  | <br>GC01-0906  | <br>GC01-1206  | <br>GC01-1506  | <br>GC01-1806  | <br>GC01-2106  |     |        |
| 900  | 870  |   | <br>GC01-0609  | <br>GC01-0909  | <br>GC01-1209  | <br>GC01-1509  | <br>GC01-1809  | <br>GC01-2109  |     |        |
| 1200 | 1170 |   | <br>GC01-0612  | <br>GC01-0912  | <br>GC01-1212  | <br>GC01-1512  | <br>GC01-1812  | <br>GC01-2112  |     |        |
| 1400 | 1370 |   | <br>GC01-0614  | <br>GC01-0914  | <br>GC01-1214  | <br>GC01-1514  | <br>GC01-1814  | <br>GC01-2114  |     |        |
| 1500 | 1470 |   | <br>GC01-0614  | <br>GC01-0915  | <br>GC01-1215  | <br>GC01-1515  | <br>GC01-1815  | <br>GC01-2115  |     |        |
| 1800 | 1770 |  | <br>GC01-0614 | <br>GC01-0918 | <br>GC01-1218 | <br>GC01-1518 | <br>GC01-1818 | <br>GC01-2118 |     |        |
|      |      |                                                                                    |                                                                                                 |                                                                                                 |                                                                                                 | GC01 钢防火窗选用图                                                                                      |                                                                                                   |                                                                                                   | 图集号 | 03J609 |
|      |      |                                                                                    |                                                                                                 |                                                                                                 |                                                                                                 | 审核                                                                                                | 王旭光                                                                                               | 校对                                                                                                | 张磊  | 设计     |

| 洞口尺寸 |      | 600                                                                                            | 900                                                                                            | 1200                                                                                           | 1500                                                                                             | 1800                                                                                             | 2100                                                                                             |        |
|------|------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------|
| 框口尺寸 |      | 570                                                                                            | 870                                                                                            | 1170                                                                                           | 1470                                                                                             | 1770                                                                                             | 2070                                                                                             |        |
|      |      | 15 570 15                                                                                      | 15 870 15                                                                                      | 15 1170 15                                                                                     | 15 1470 15                                                                                       | 15 1770 15                                                                                       | 15 2070 15                                                                                       |        |
| 600  | 570  |               |                                                                                                | <br>GC02-1206 | <br>GC02-1506 | <br>GC02-1806 | <br>GC02-2106 |        |
| 900  | 870  |               |                                                                                                | <br>GC02-1209 | <br>GC02-1509 | <br>GC02-1809 | <br>GC02-2109 |        |
| 1200 | 1170 |               |                                                                                                | <br>GC02-1212 | <br>GC02-1512 | <br>GC02-1812 | <br>GC02-2112 |        |
| 1400 | 1370 | <br>GC02-0614 | <br>GC02-0914 | <br>GC02-1214 | <br>GC02-1514 | <br>GC02-1814 | <br>GC02-2114 |        |
| 1500 | 1470 | <br>GC02-0614 | <br>GC02-0915 | <br>GC02-1215 | <br>GC02-1515 | <br>GC02-1815 | <br>GC02-2115 |        |
| 1800 | 1770 | <br>GC02-0614 | <br>GC02-0918 | <br>GC02-1218 | <br>GC02-1518 | <br>GC02-1818 | <br>GC02-2118 |        |
|      |      |                                                                                                |                                                                                                |                                                                                                | GC02 钢防火窗选用图                                                                                     |                                                                                                  | 图集号                                                                                              | 03J609 |
|      |      |                                                                                                |                                                                                                |                                                                                                | 审核                                                                                               | 王和光                                                                                              | 校对                                                                                               | 王和光    |

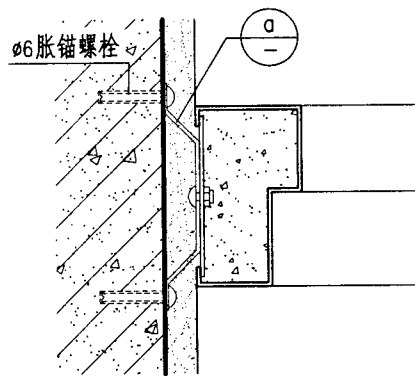




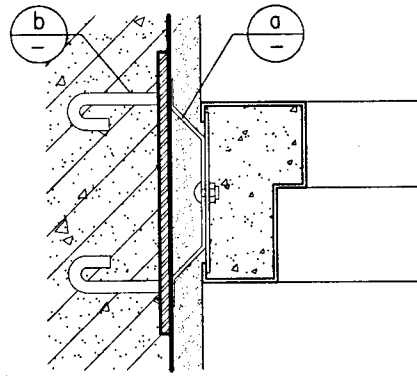
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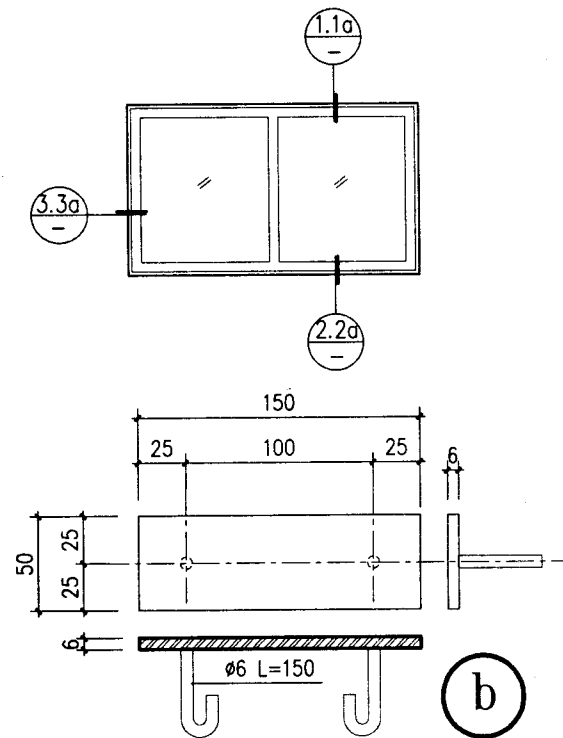
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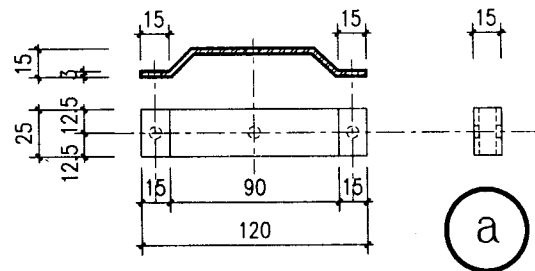
2



2a



3



3a

注:

- 适用墙体: a. 钢筋混凝土墙, b. 混凝土空心砌块墙(窗两侧的空心砌块用混凝土填实), c. 砖墙, d. 其它轻型防火隔墙(两侧作钢筋混凝土构造柱)。
- 预埋件 ①、② 的中距为 500~700mm。

## 钢防火窗洞口安装详图

图集号

03J609

审核

王祖光

校对

彭岳

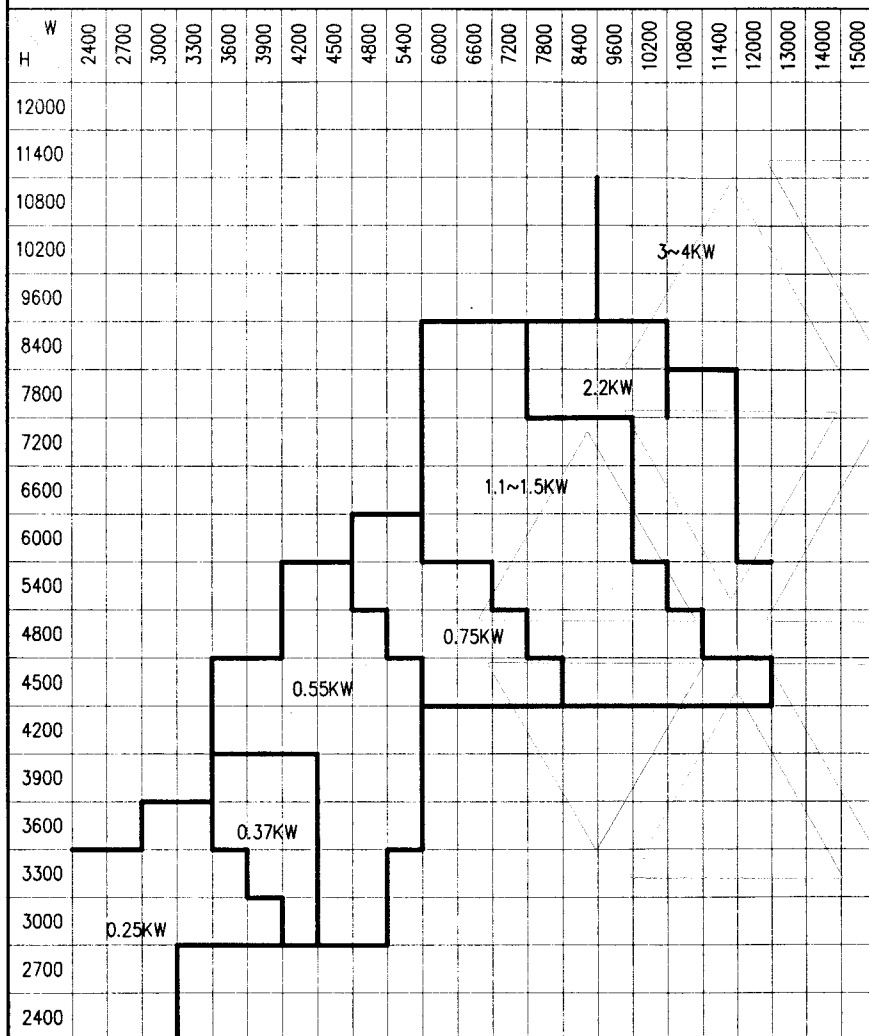
设计

徐苏萍

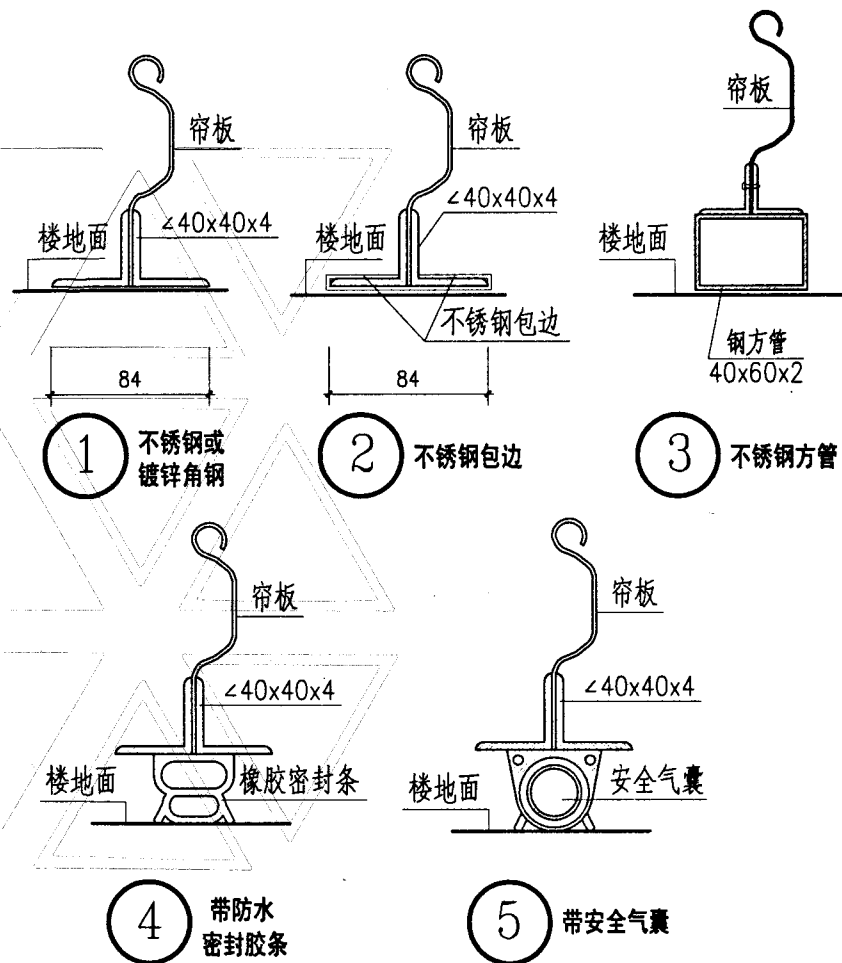
页

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附录一 卷机功率表



附录二 卷帘下缘构造图



注：1. 图表中为常用卷帘门洞口规格与卷机功率，图线范围以外门洞口尺寸的卷机就近选用。靠上选上线，靠下选下线。

2. 本页根据上海森林特种钢门有限公司、北京天明兴业科技发展有限公司提供的技术资料绘制。

附录一 卷机功率表

附录二 卷帘下缘构造图

图集号

03J609

审核

王祖光

校对

张岳

设计

张淑萍

页

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## 森林“安安”系列防火门、窗相关技术资料

| 产 品    | 特 点 及 主 要 技 术 参 数                                                                                                   |                         |                                            |                             |                       |                         |                         |
|--------|---------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------|-----------------------------|-----------------------|-------------------------|-------------------------|
| 钢质防火门  | 特点及型式：以镀锌涂层钢板作为材料，门扇内填充不燃材料，配以五金件组成符合耐火稳定性、完整性和隔热性要求的门，门的型式有单、双扇防火门、钢质镶玻璃单、双扇防火门及钢质带亮窗的防火门。                         |                         |                                            |                             |                       |                         |                         |
|        | 适 用：广泛适用于工业与民用建筑中防火墙和防火分区的防火分隔。                                                                                     |                         |                                            |                             |                       |                         |                         |
|        | 技术参数                                                                                                                | 最大尺寸(建议)                | 执行标准                                       | 耐火极限                        | 内芯材料                  | 门扇厚度                    | 面板材质厚度                  |
|        | 单扇平开门：1200*2400<br>双扇平开门：3000*3000                                                                                  | GB12955-91<br>及相关企业标准   | 特种≥2.0h；甲级≥1.2h<br>乙级≥0.9h；丙级≥0.6h         | 硅酸铝/岩棉                      | 特种≥55mm<br>甲、乙、丙≥40mm | 特种≥1.5mm<br>甲、乙、丙≥1.0mm | 特种≥2.0mm<br>甲、乙、丙≥1.5mm |
| 钢质防火卷帘 | 特点及型式：由帘片、导轨、传动系统和电器控制系统等部分组成，火灾发生时可由手动、电动、消防联动三种控制方式使卷帘下落，阻止火势蔓延，型式上按运动方向分有垂直、侧向、水平三种，按耐火时间及抗辐射热分有普通型、复合型以及特级防火卷帘。 |                         |                                            |                             |                       |                         |                         |
|        | 适 用：适用于工业与民用建筑中作防火分区的分隔。                                                                                            |                         |                                            |                             |                       |                         |                         |
|        | 技术参数                                                                                                                | 最大尺寸(建议)                | 执行标准                                       | 耐火极限                        | 防烟性能                  | 抗风压强度                   | 启闭速度                    |
|        | 18000*9000 （垂直）<br>45000*6000 （侧向）<br>5000*16000 （平卧）                                                               | GB14102-93<br>及相关企业标准   | F1 ≥ 1.5h；F2 ≥ 1.2h<br>F3 ≥ 2.5h；F4 ≥ 3.0h | 防烟型卷帘漏烟量不<br>大于0.2m³/m²·min | 大于784Pa<br>（80型帘板）    | 2~9m/min（可调）            |                         |
| 木质防火门  | 特点及型式：用木材或木材制品和不燃材料，配以五金件组成耐火稳定性、完整性和隔热性要求的门。门的型式有单、双扇防火门、木质镶玻璃单、双扇防火门及木质带亮窗防火门。                                    |                         |                                            |                             |                       |                         |                         |
|        | 适 用：适用于办公区域间、工厂楼道间、大厦通道等工业与民用建筑上要求装饰性强的防火分隔。                                                                        |                         |                                            |                             |                       |                         |                         |
|        | 技术参数                                                                                                                | 最大尺寸(建议)                | 执行标准                                       | 耐火极限                        | 内芯材料                  | 门扇厚度                    |                         |
|        | 单扇： 1200*2400<br>双扇： 3000*3000                                                                                      | GB14101-93<br>及相关企业标准   | 甲≥1.2h；乙≥0.9h<br>丙≥0.6h                    | 防火板+ 硅酸铝/ 岩棉                | 甲、乙、丙≥40mm            |                         |                         |
| 钢质防火窗  | 特点及型式：用涂覆钢板及防火玻璃组成符合耐火要求的窗，型式为固定式。                                                                                  |                         |                                            |                             |                       |                         |                         |
|        | 适 用：适用于工业与民用建筑中要求有可视效果的防火分隔。                                                                                        |                         |                                            |                             |                       |                         |                         |
|        | 技术参数                                                                                                                | 最大洞口尺寸                  | 执行标准                                       | 耐火极限                        | 组成材料                  | 五金配件                    |                         |
|        | 2100*1800                                                                                                           | GB16809-1997<br>及相关企业标准 | 甲≥1.2h；乙≥0.9h<br>丙≥0.6h                    | 涂层镀锌钢板和防火玻璃                 | 熔融温度不低于950℃           |                         |                         |

天明牌防火门窗系列产品相关资料

| 产 品   |                          | 主要性能参数                                                                                            |
|-------|--------------------------|---------------------------------------------------------------------------------------------------|
| 钢质防火门 | 普通钢质防火门                  | 防火性能：特级：1.5h-2.0h（核电站专用门）；甲级：1.2h；乙级：0.9h；丙级：0.6h<br>材料：框 1.2mm~1.5mm 优质冷轧钢板；板 1.0mm~1.2mm 优质冷轧钢板 |
|       | 多功能钢质防火门                 | 防火性能：甲级：1.2h；隔音等级Ⅲ级；保温等级Ⅱ级；门厚 45mm                                                                |
|       | 防盗安全门                    | 防盗安全门破坏性试验符合A级要求                                                                                  |
| 木质门   | 木质防火门                    | 防火性能：甲级：1.2h；乙级：0.9h；丙级：0.6h；门厚：50mm~55mm                                                         |
|       | 木质防火隔音门                  | 防火性能：甲级；隔音性能：Ⅲ级                                                                                   |
| 窗     | 钢质防火窗                    | 防火性能：甲级：1.2h；                                                                                     |
| 防火卷帘门 | 普通型钢质防火防烟卷帘              | 防火性能：耐火性能大于3.0h；漏烟量0.1m³/m²·min                                                                   |
|       | 复合型钢质防火防烟卷帘              | 防火性能：耐火性能大于4.0h；漏烟量0.02m³/m²·min                                                                  |
|       | 无机布基防火卷帘                 | 防火性能：耐火性能大于4.0h                                                                                   |
|       | 双轨特级防火卷帘                 | 防火性能：耐火性能大于4.0h（注：包括以测量背火面温升作为判定条件）                                                               |
|       | 挡烟垂帘                     | 耐高温能力 45min；帘布 0.8mm                                                                              |
|       | 复合型钢质侧向防火防烟卷帘            | 防火性能：耐火性能大于4.0h；漏烟量0.02m³/m²·min                                                                  |
|       | 复合型钢质防火防烟水平卷帘            | 防火性能：耐火性能大于3.0h；漏烟量0.02m³/m²·min                                                                  |
|       | 钢质水雾特级防火卷帘<br>无机水雾特级防火卷帘 | 防火性能：耐火性能大于3.0h；喷头工作压力大于等于 0.35MPa，布水强度不小于 3.5L/min·m²<br>（注：包括以测量背火面温升作为判定条件）                    |

豪欣防火门产品相关技术资料

| 产    品  | 特点及主要技术参数                                                                                                                                                                                                                                                             |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 木质防火门   | <p>门框采用柳安实木加工，门扇骨架使用柳安或硬杂木指接料，并填充优质不燃性隔热材料，不仅保证了产品质量不会变形，更能确保门扇平整度及外观装饰性，使其具有良好的耐火性、隔热性。</p> <p>五金配件均选用经国家检测机构检验合格的产品。</p> <p>防火性能：甲级 1.2h、乙级 0.9h、丙级 0.6h</p> <p>执行标准：GB14101-93</p> <p>门扇厚度：45mm～50mm</p> <p>可加工定做各种规格。产品有双扇、单扇、双扇带玻璃、单扇带玻璃、双扇带玻璃带亮、单扇带玻璃带亮等式样。</p> |
| 钢木结构防盗门 | <p>采用特殊工艺，门框使用钢框外贴实木或采用实木门框内衬钢条，可使用各种木材饰面。门扇内衬瓦楞形钢板，并可根据客户需要配以各种材料及式样的外饰面，既可起到防盗作用，又能达到外观舒适、美观的效果。</p> <p>安全级别：A 级</p> <p>执行标准：GB17565-1998</p> <p>门扇厚度：40mm～45mm</p> <p>可加工定做各种规格。产品有单扇、子母扇两种式样。</p>                                                                 |
| 适用范围    | <p>应用于工业及民用高层建筑、花园别墅及大型商场、娱乐场所等需要防火、防盗的场所。</p>                                                                                                                                                                                                                        |

雷博防火门窗产品相关资料

| 产 品           | 特点及主要技术参数                                                                                                                                                                                              |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 双扇带玻璃带亮窗钢质防火门 | 钢质防火门采用优质冷轧钢板、不锈钢板加工制成，门扇内填充优质不燃隔热材料，根据用户需要配有防火玻璃及各种防火五金配件，产品表面经防锈静电喷涂，美观大方。<br>耐火极限：72min 为甲级，通过国家防火建筑材料质量监督检验中心检测。                                                                                   |
| 单扇钢质防火门       | 钢质防火门采用优质冷轧钢板、不锈钢板加工制成，门扇内填充优质不燃隔热材料，根据用户需要配有防火玻璃及各种防火五金配件，产品表面经防锈静电喷涂，美观大方。<br>耐火极限：36min 为丙级，通过国家防火建筑材料质量监督检验中心检测。                                                                                   |
| 单扇木质防火门       | 门框与门扇采用优质木材。含水率不大于 12%。<br>门扇内填充优质不燃隔热材料，门框经特殊阻燃处理。<br>闭门器、锁具、铰链、插销等五金件均采用经国家消防检测机构检测合格的定型配套产品。<br>门框与门扇接触处设置防火防烟装置。<br>可根据用户要求，在产品的表面采用各种高中档的装饰木板、优质冷轧钢板材料组合。<br>耐火极限：36min 为丙级，通过国家防火建筑材料质量监督检验中心检测。 |
| 适用范围          | 应用在工业与民用建筑中，例如：购物中心、旅馆、厂房、学校、公共建筑、高层商住楼、医院等用作防火隔断。                                                                                                                                                     |

## 主编单位、参编单位、联系人及电话

|      |                | 联系人 | 电 话                    |
|------|----------------|-----|------------------------|
| 主编单位 | 中国建筑标准设计研究所    | 顾伯岳 | 010-63962233-3305      |
|      |                | 王祖光 | 010-88361155-205       |
| 参编单位 | 上海森林特种钢门有限公司   | 凌惠明 | 021-58933316, 58933269 |
|      | 北京天明兴业科技发展有限公司 | 赵连军 | 010-82929254, 82929070 |
|      | (原北京市新型防火装备厂)  |     |                        |

以下企业作为本图集的协编单位,在本图集的编制过程中,提供了相关的技术资料,对图集的编制工作给予了很大的支持,特此表示感谢。

|                  |               |
|------------------|---------------|
| 上海豪欣木质防火门厂       | 13701616353   |
| 吴江市金雷博消防设备科技有限公司 | 0512-63450666 |

### 主管单位、联系人及电话

|             |     |                  |
|-------------|-----|------------------|
| 中国建筑标准设计研究所 | 王祖光 | 010-88361155-205 |
|-------------|-----|------------------|