

防火门、窗及卷帘

新04J709

防火门、窗及卷帘

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编制说明

1 编制依据

- 1.1 本图集根据自治区建设厅新建设函[2004]12号文编制。
- 1.2 依据的工程建设标准
 - 1.2.1 《建筑设计防火规范》GBJ16-87 (2001年版)
 - 1.2.2 《高层民用建筑设计防火规范》GB50045-95 (2001年版)
 - 1.2.3 《建筑门窗洞口尺寸条例》GB5824-86
 - 1.2.4 《建筑木门木窗》JG/T 122-2000
 - 1.2.5 《钢质防火门通用技术条件》GB12955-91
 - 1.2.6 《钢质防火卷帘通用技术条件》GB14102-93
 - 1.2.7 《木质防火门通用技术条件》GB14101-93
 - 1.2.8 《钢质防火窗》GB16809-1997
 - 1.2.9 《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防火门、窗及卷帘。

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。具体选用等级应在工程设计图中说明。

5. 钢防火门

钢防火门的门框、门扇面板及其加固件应采用冷扎薄钢板。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℃。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缝板,并装设闭门器和顺门器等(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。

6. 木防火门

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。

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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。

7 防火卷帘

7.1 钢防火卷帘

7.1.1 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

7.1.2 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、外露型导轨厚度 \geq 3.0mm。帘板嵌入导轨的深度应符合表7.1.2要求。

表7.1.2

洞口宽度W (mm)	每端嵌入最小长度 (mm)
$W < 3000$	45
$3000 \leq W < 5000$	50
$5000 \leq W < 9000$	60

7.1.3 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卷帘不脱落，同时其变形挠度须符合表7.1.3要求。

表7.1.3

强度类别代号	耐风压 (Pa)	挠 度 (mm)					
		$B \leq 2.5m$	$B = 3m$	$B = 4m$	$B = 5m$	$B = 6m$	$B > 6m$
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

7.1.4 钢防火卷帘的防烟性能：在压差为20Pa时漏烟量应小于 $0.2m^3/m^2 \cdot min$ 。

7.1.5 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，但其安装强度必须满足设计要求。其他要求均见GB14102-93。

7.2 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（以背火面温升作判定条件）。

7.3 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涂耐火胶为基材，该卷帘加水喷雾保护，其耐火极限可

>3h, 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。

7.4 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面料制作的双层防火卷帘。其特点是无须水幕保护。

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。

7.5 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。

8 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。防火窗分固定式和开启式。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。

9 防火门窗的涂料与玻璃

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:

9.1 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。

9.2 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, 涂醇酸瓷两道, 醇酸清漆一道。

9.3 防火门窗所用的玻璃一般为单片型和复合型防火玻璃, 复合防火玻璃系用两层或两层以上玻璃复合而成或由一层玻璃和有机材料复合而成的特种玻璃。其特点是能满足相应的耐火等级要求。

单片防火玻璃由单层玻璃构成并满足相应耐火等级的特种玻璃。其特点是轻、薄、透光性能好。

10. 防火门窗及卷帘的代号

钢防火门:	FM1
木夹板防火门:	FM2
木夹板装饰防火门:	FM3
管道井防火门(木):	FM4
管道井防火门(钢):	FM5
钢防火窗:	FC
钢防火卷帘:	FL1
水雾式钢特级防火卷帘:	FL2
水雾式无机布基特级防火卷帘:	FL3
双轨无机布基特级防火卷帘:	FL4
带平开小门钢防火卷帘:	FL5

11. 防火门窗及卷帘的索引方法

例: (防火门)

防火门代号 FM1-XX 门编号

例: (带平开小门防火卷帘)

防火卷帘代号 FL-4245 洞口总宽 洞口总高

注: FL5洞口总宽=平开门洞口宽+钢柱宽+卷帘门洞口宽;
平开门洞口高≤FL5卷帘门洞口高, 卷帘门洞口高=FL5洞口总高。

例: 防火卷帘

防火卷帘代号 FL2-1521 洞口高 洞口宽

例: 防火窗

防火窗代号 FC-XX 窗编号

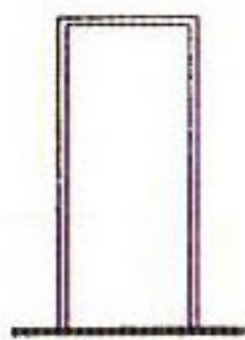
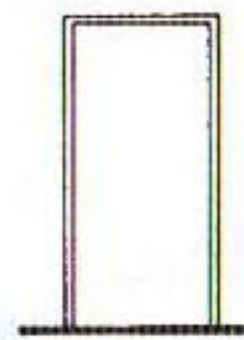
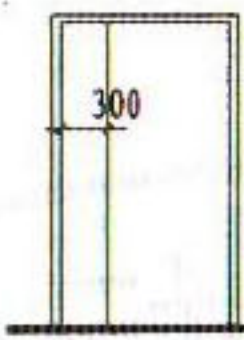
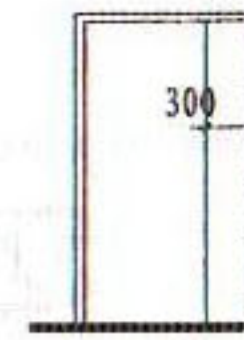
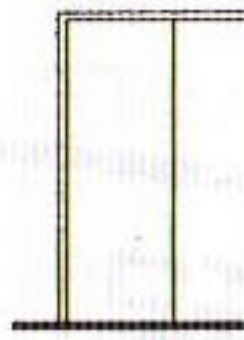

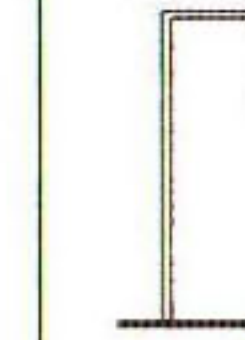
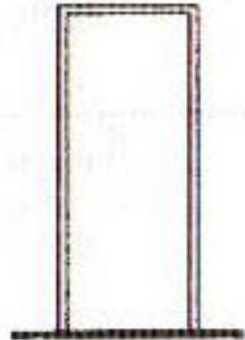
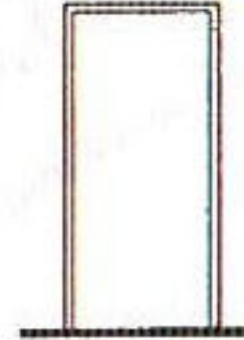
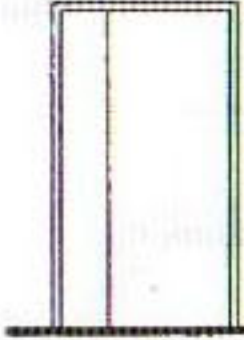
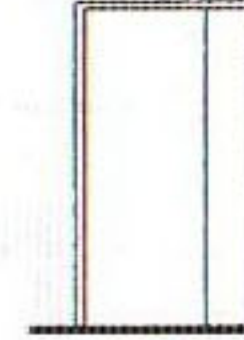
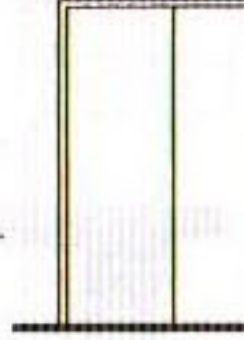

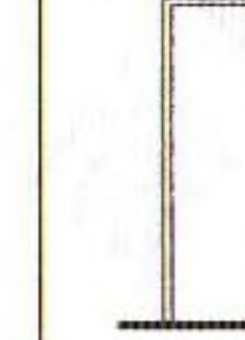
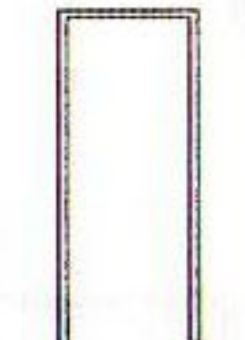
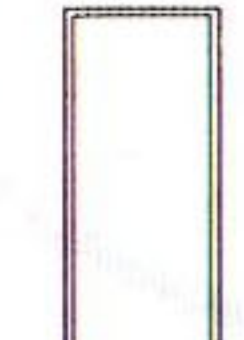
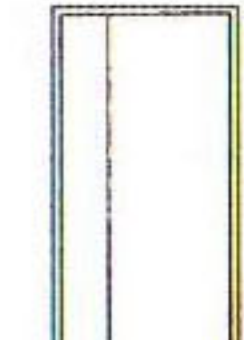
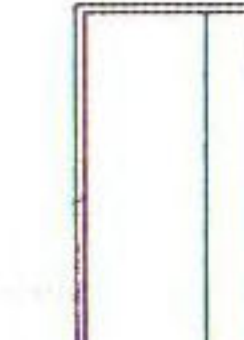
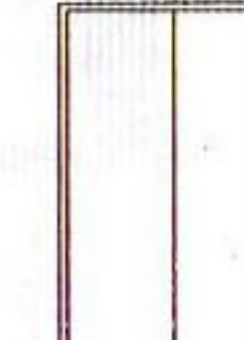

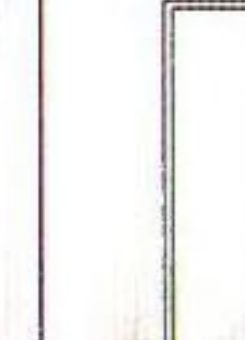
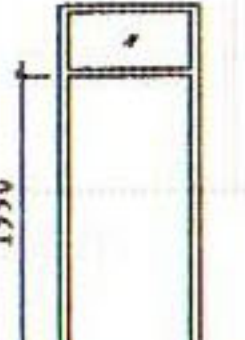
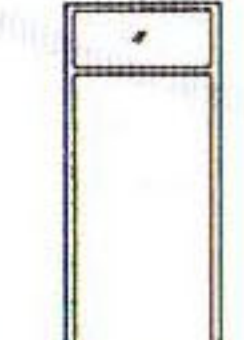
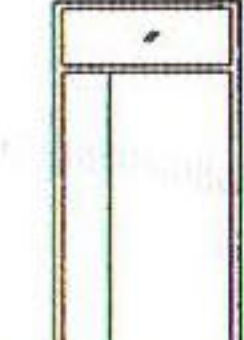
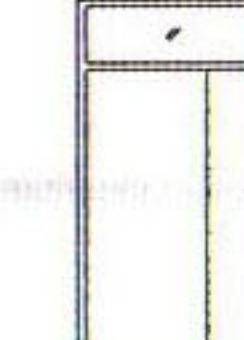
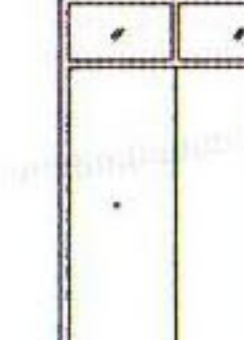

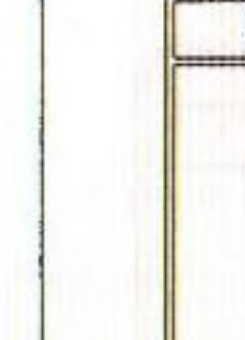
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12 其它

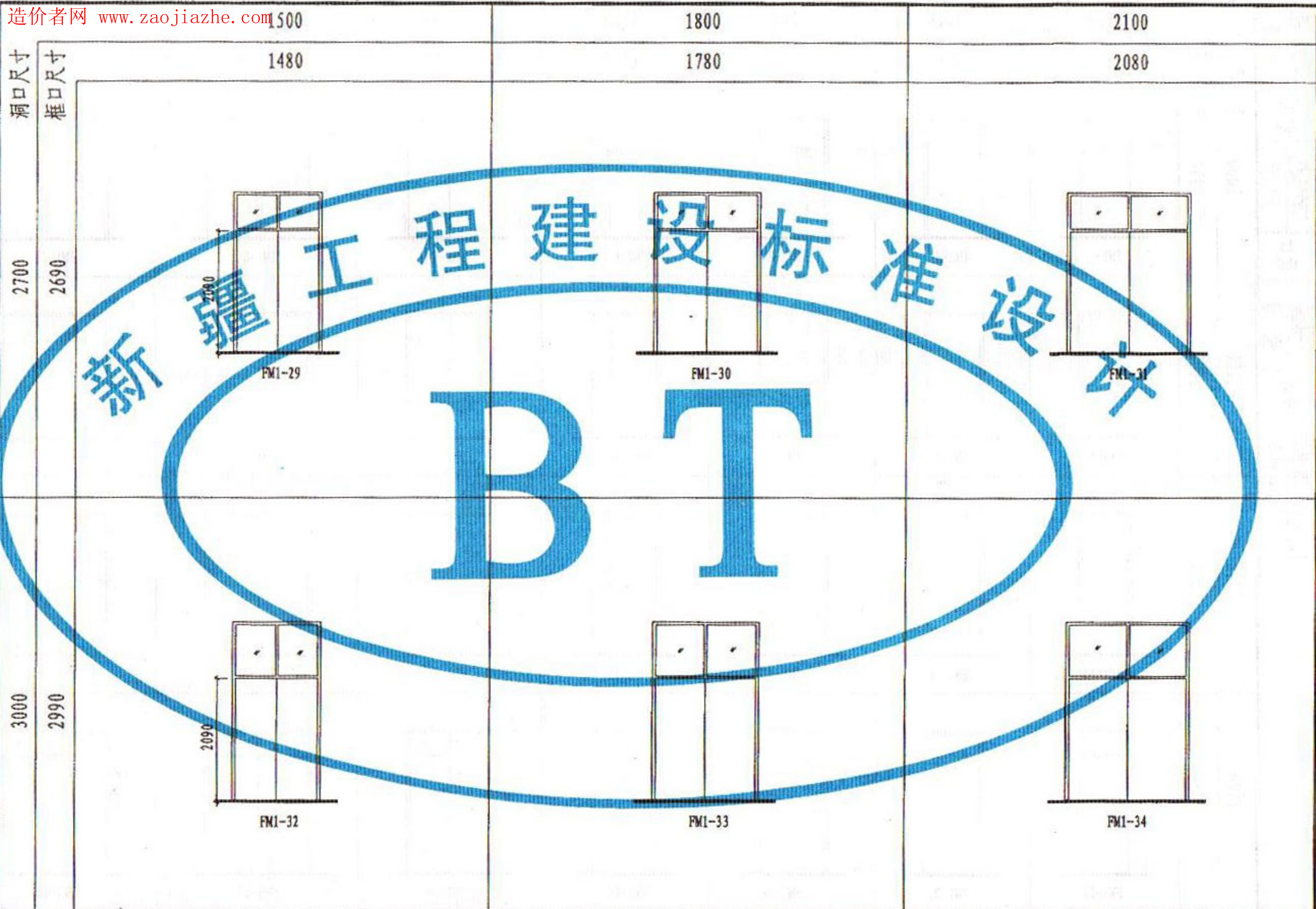
12.1 防火门窗及卷帘因各厂家具体构造与断面不同, 不宜作统一规定, 均应具有国家消防产品检测机构认证合格的检验报告为准。所以本图集以选用立面形式为主, 节点详图仅供参考用。

12.2 本图集标注尺寸以毫米为单位。

		800	1000	1200	1200	1500	1800	2100
洞口尺寸	2000	880	980	1180	1180	1480	1780	2080
	框口尺寸	1990						
		 FM1-1	 FM1-2	 FM1-3	 FM1-4	 FM1-5	 FM1-6	 FM1-7
		 FM1-8	 FM1-9	 FM1-10	 FM1-11	 FM1-12	 FM1-13	 FM1-14
		 FM1-15	 FM1-16	 FM1-17	 FM1-18	 FM1-19	 FM1-20	 FM1-21
		 FM1-22	 FM1-23	 FM1-24	 FM1-25	 FM1-26	 FM1-27	 FM1-28

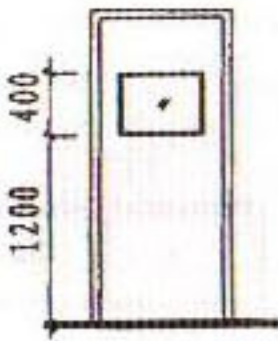
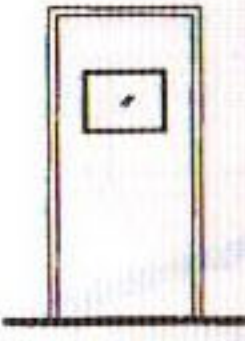
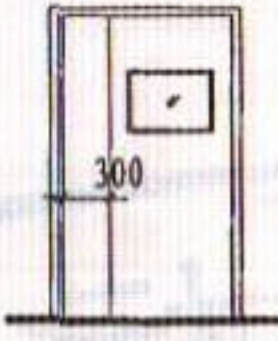
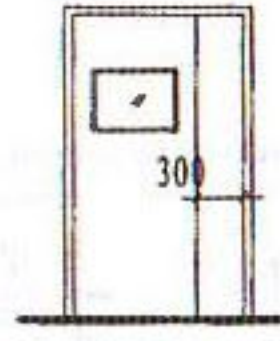
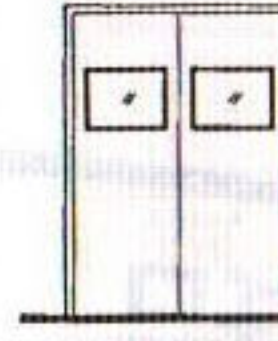
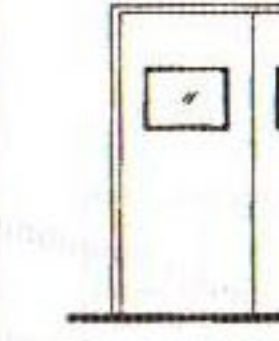
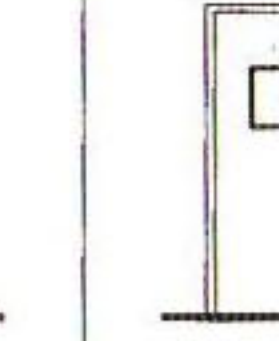
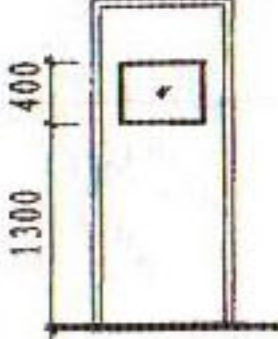
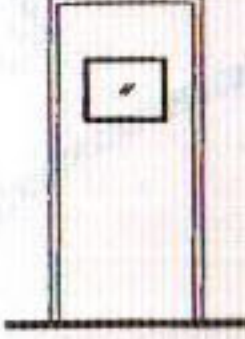
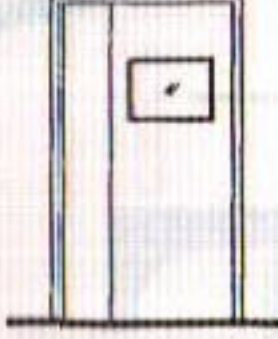
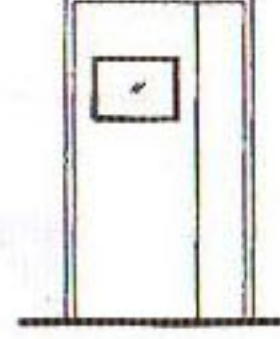
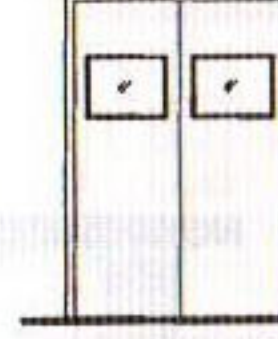
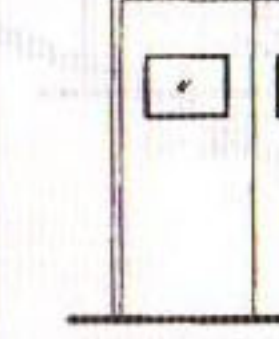
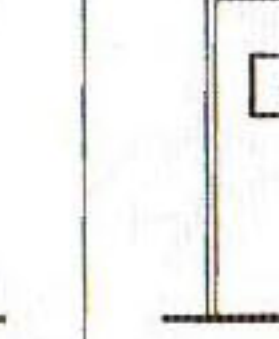
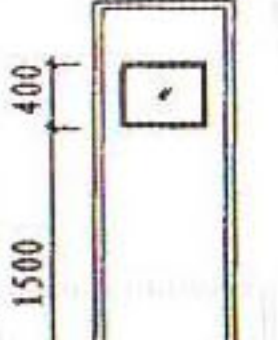
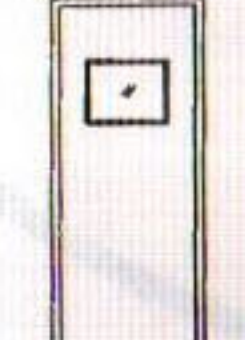
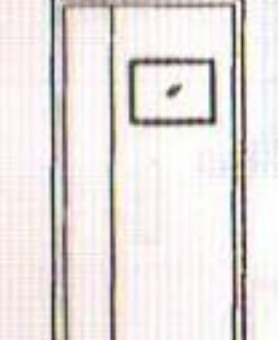
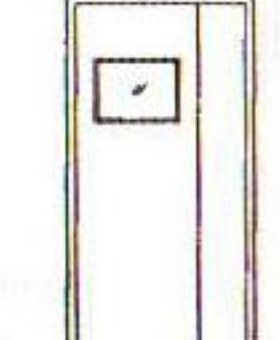
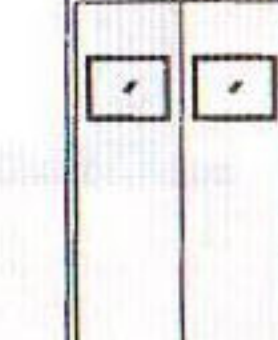
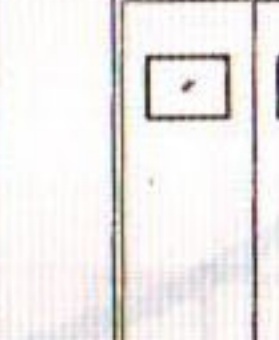
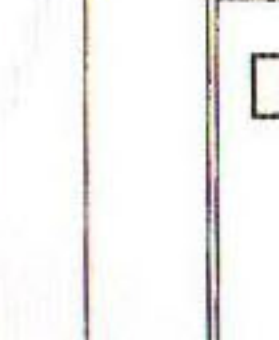
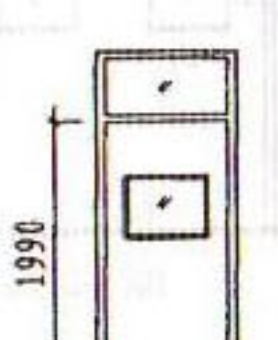
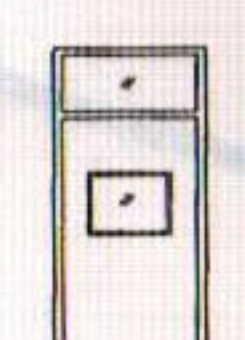
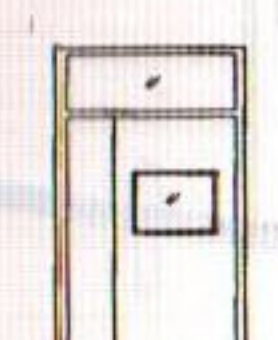
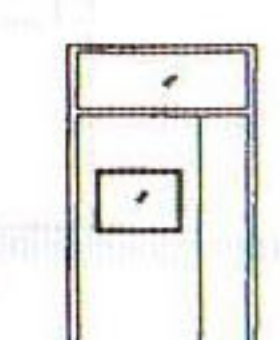
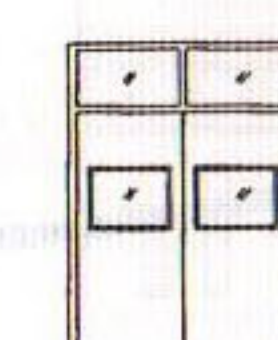
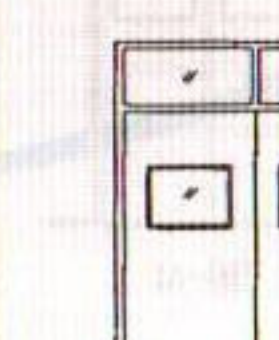
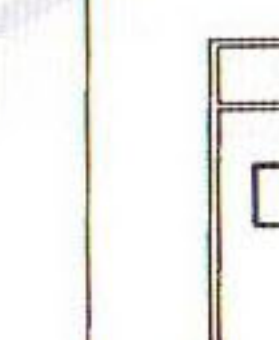
注: 1、有亮子的门扇高标注为1990者, 系采用框高1990的门扇尺寸, 以此类推, 后页均同此。
2、FM1门节点与安装详17-18页。

FM1型钢防火门选用图

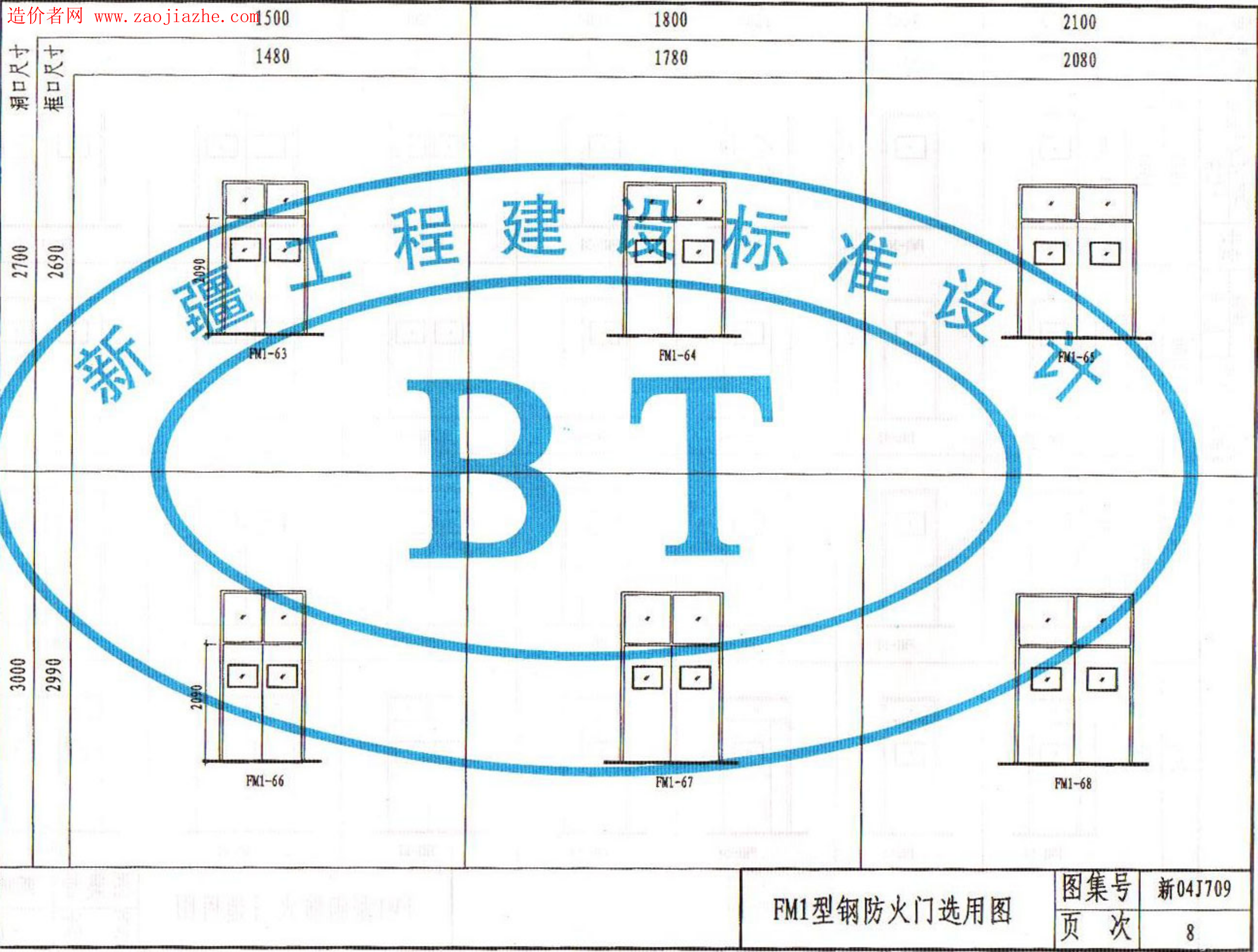


FM1型钢防火门选用图

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洞口尺寸		900	1000	1200	1200	1500	1800	2100
洞口尺寸		880	980	1180	1180	1480	1780	2080
2000	1990	 FM1-35	 FM1-36	 FM1-37	 FM1-38	 FM1-39	 FM1-40	 FM1-41
2100	2090	 FM1-42	 FM1-43	 FM1-44	 FM1-45	 FM1-46	 FM1-47	 FM1-48
2400	2390	 FM1-49	 FM1-50	 FM1-51	 FM1-52	 FM1-53	 FM1-54	 FM1-55
2400	2390	 FM1-56	 FM1-57	 FM1-58	 FM1-59	 FM1-60	 FM1-61	 FM1-62

FM1型钢防火门选用图

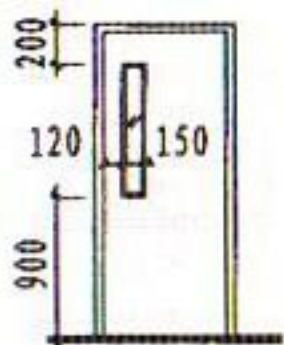
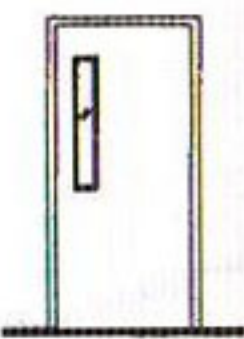
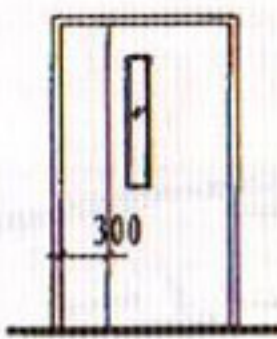
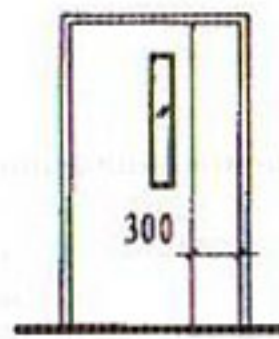
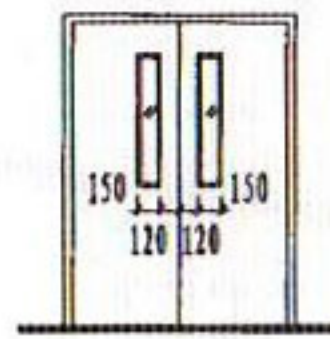
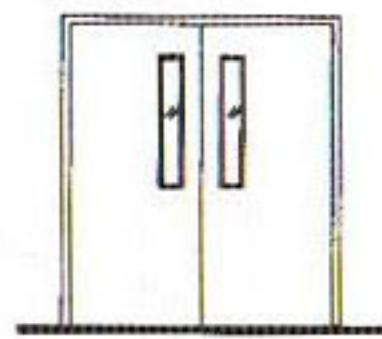
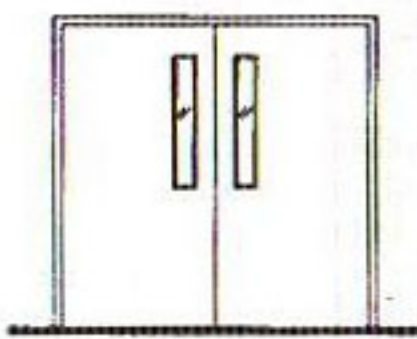
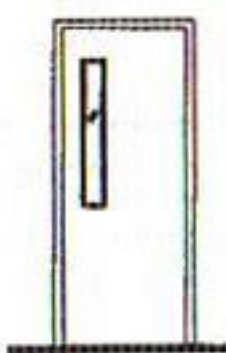
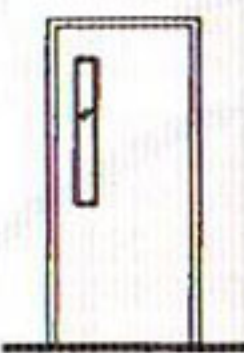
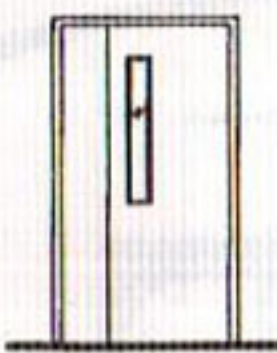
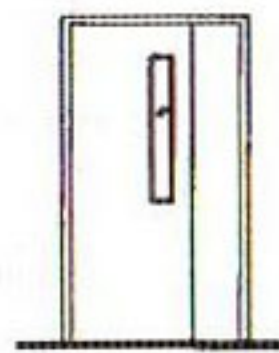
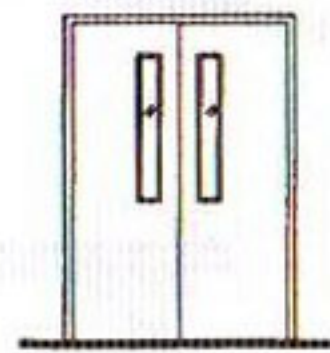
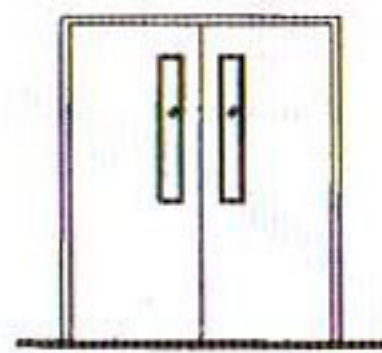
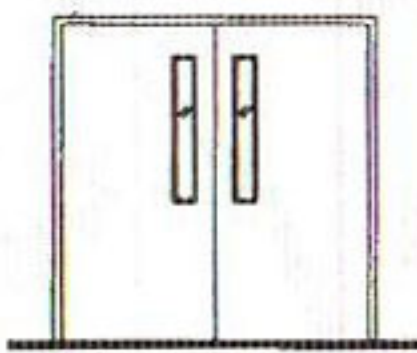
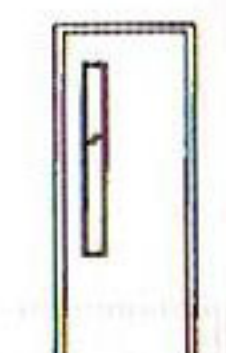
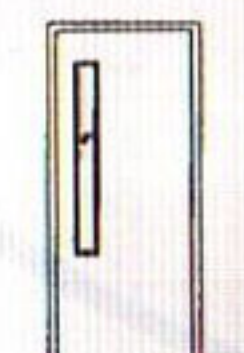
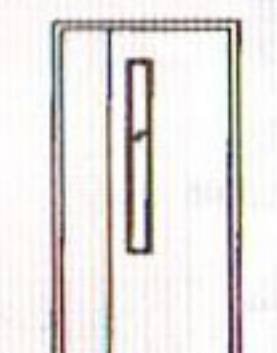
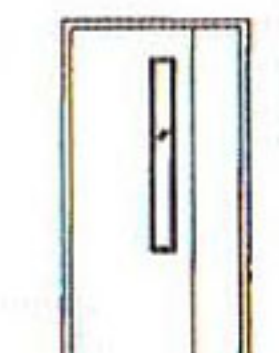
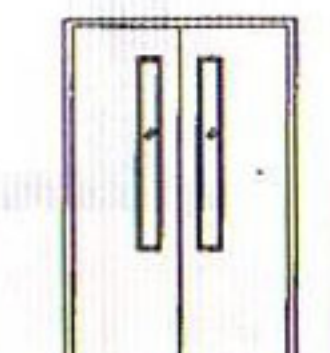
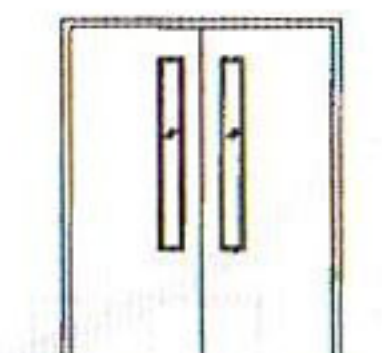
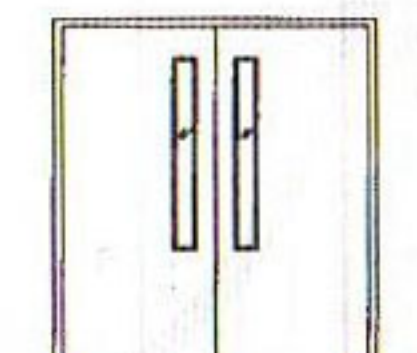
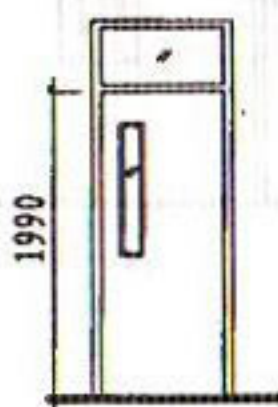
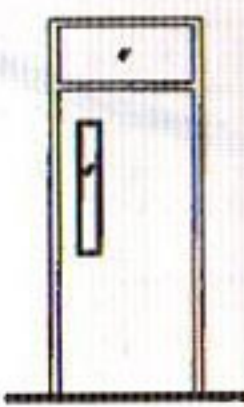
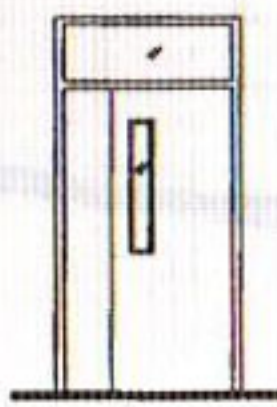
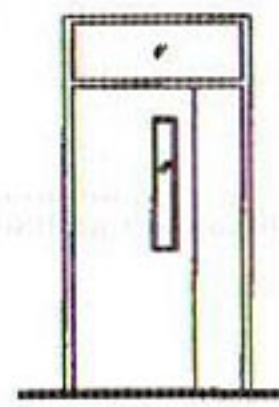
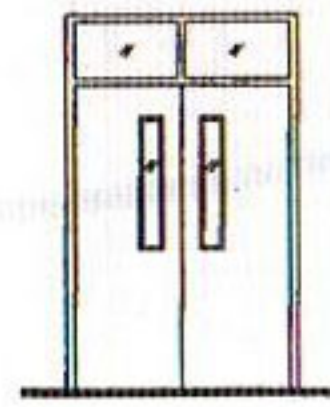
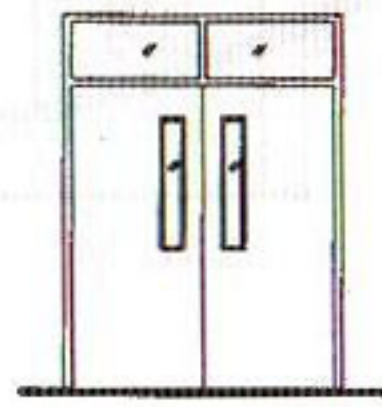
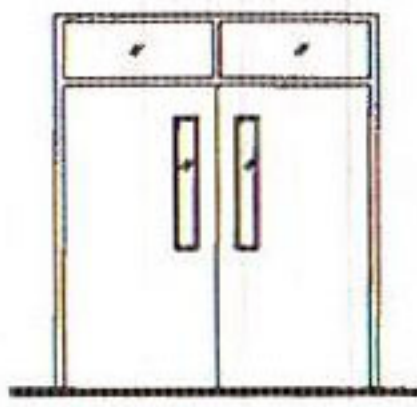


FM1型钢防火门选用图

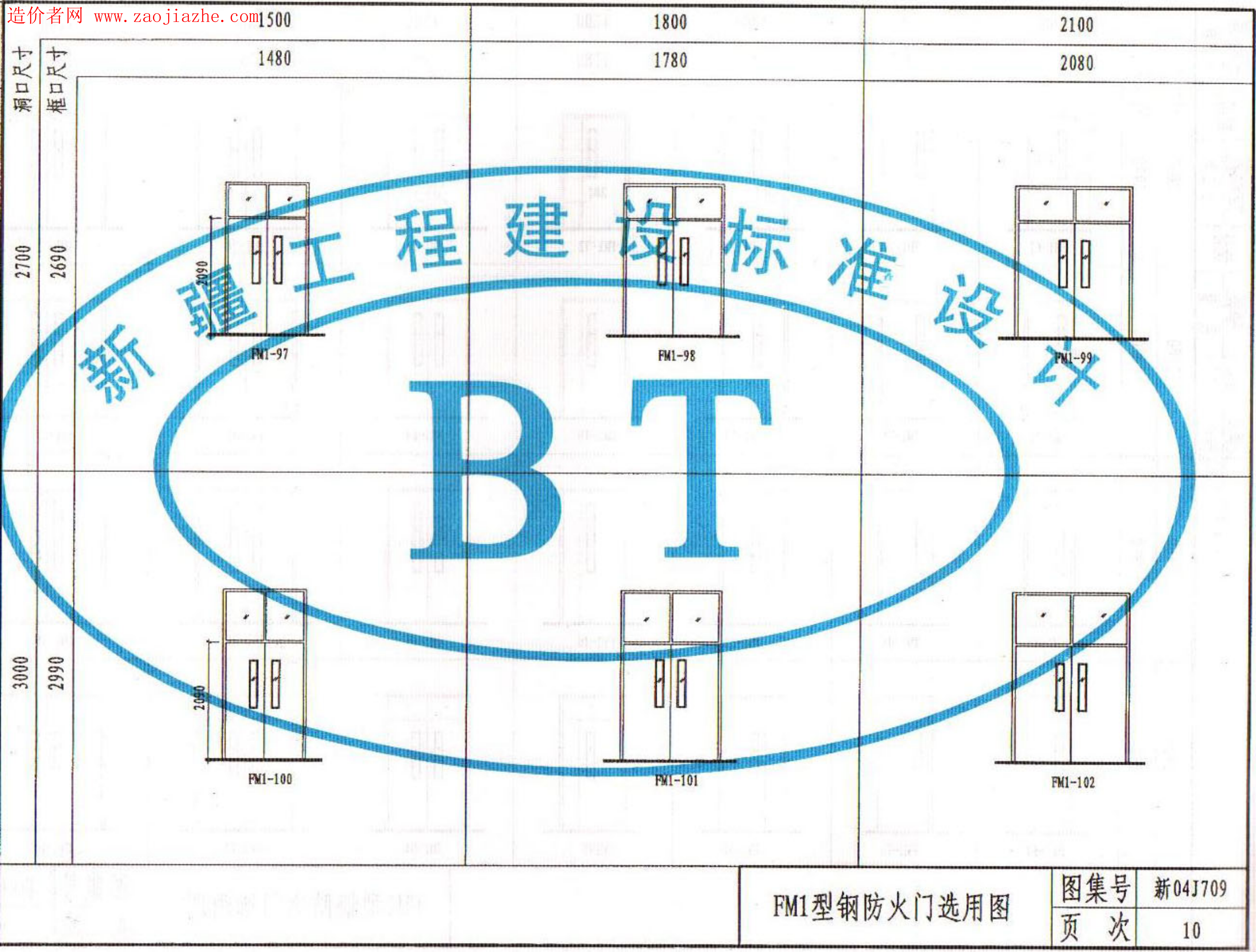
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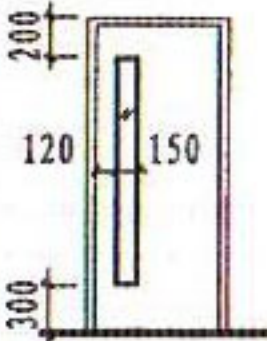
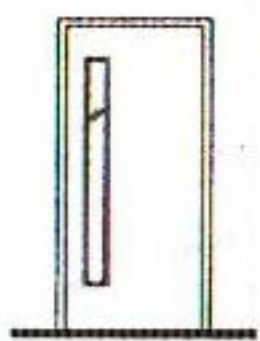
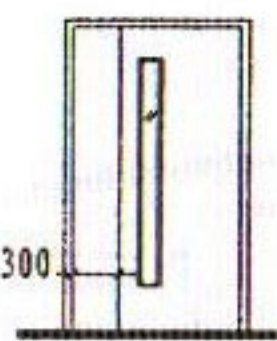
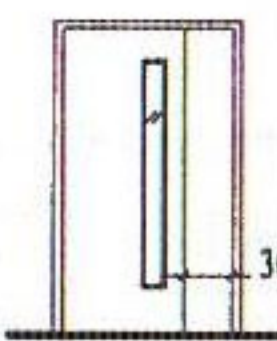
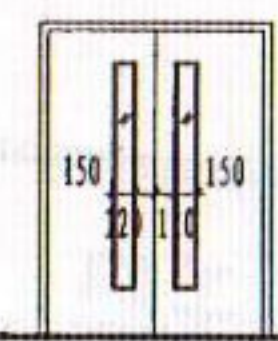
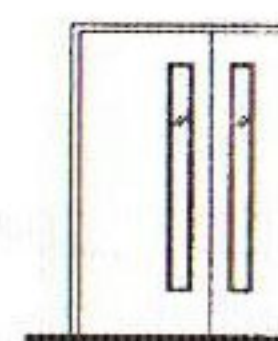
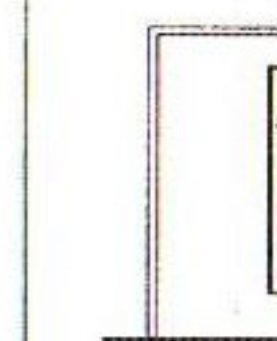
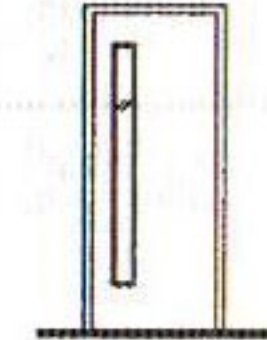
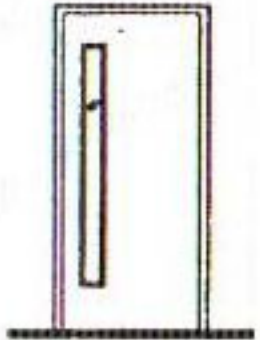
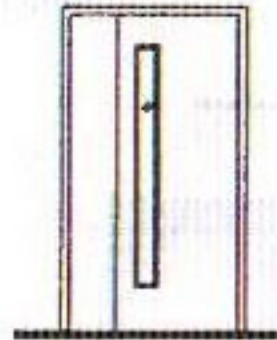
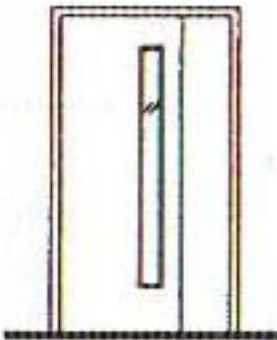
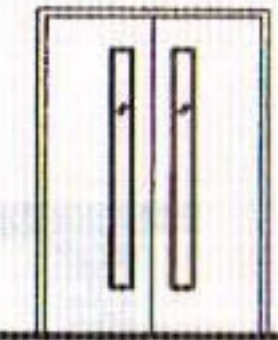
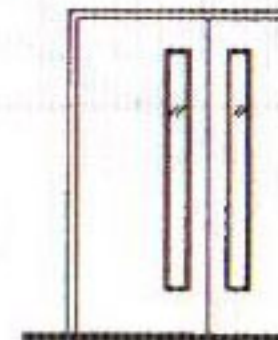
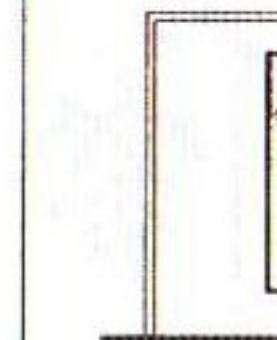
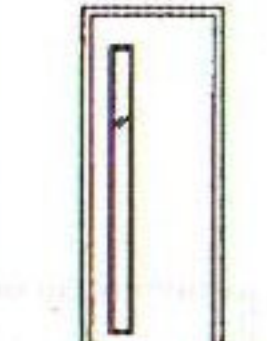
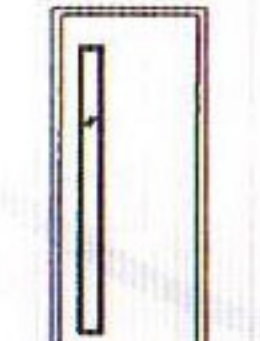
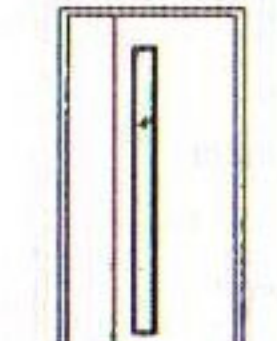

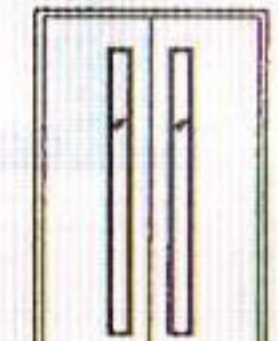
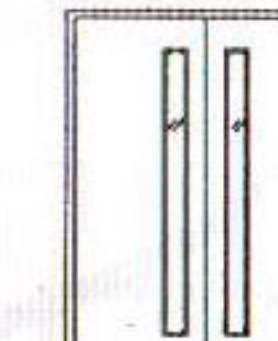
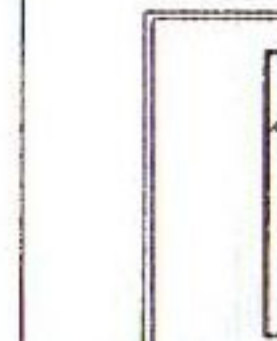
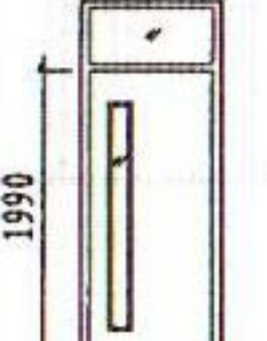
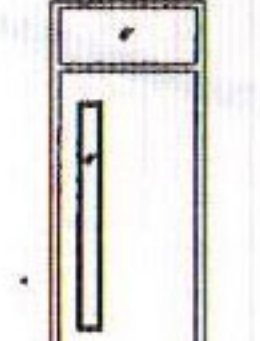
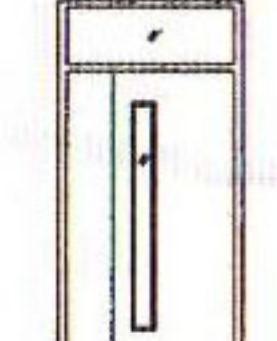
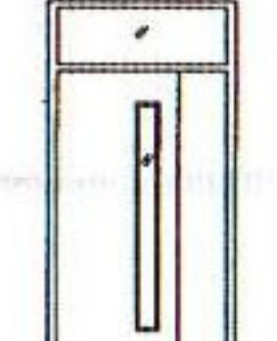
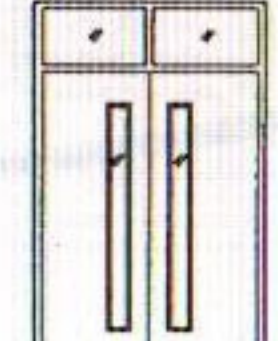
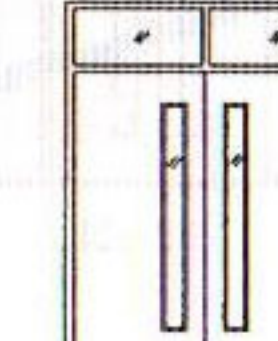
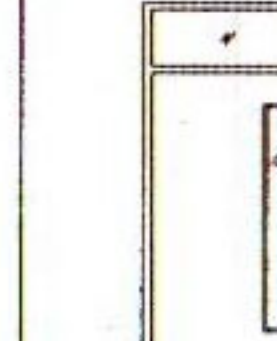
洞口尺寸		880	980	1180	1200	1200	1500	1800	2100
洞口尺寸		1990	1990	1990	1990	1990	1990	1990	1990
2000	1990	 FM1-69	 FM1-70	 FM1-71	 FM1-72	 FM1-73	 FM1-74	 FM1-75	
		 FM1-76	 FM1-77	 FM1-78	 FM1-79	 FM1-80	 FM1-81	 FM1-82	
		 FM1-83	 FM1-84	 FM1-85	 FM1-86	 FM1-87	 FM1-88	 FM1-89	
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FM1型钢防火门选用图

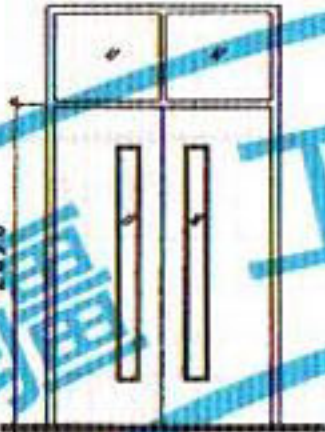
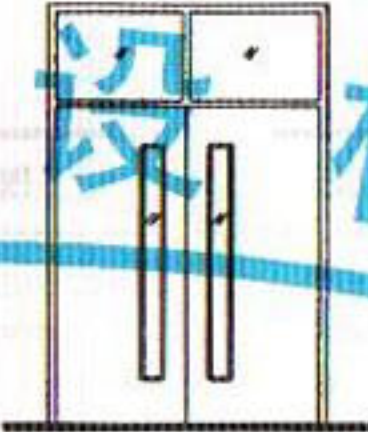
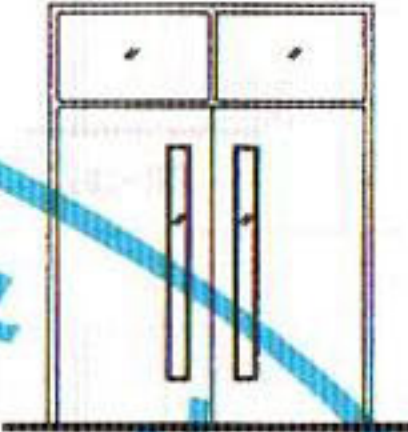
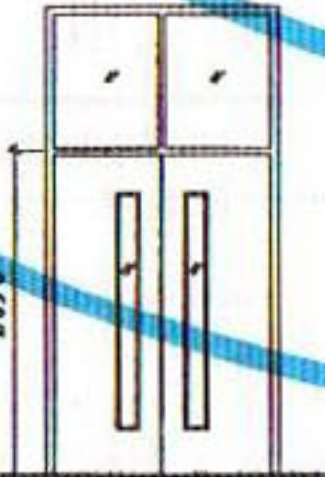
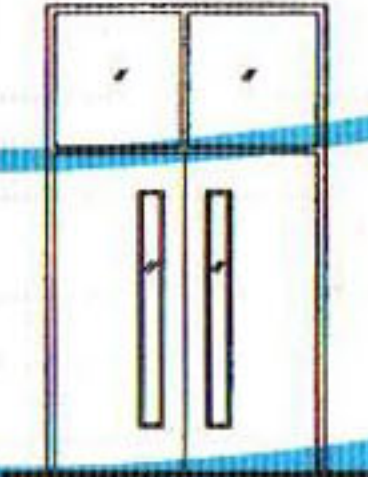
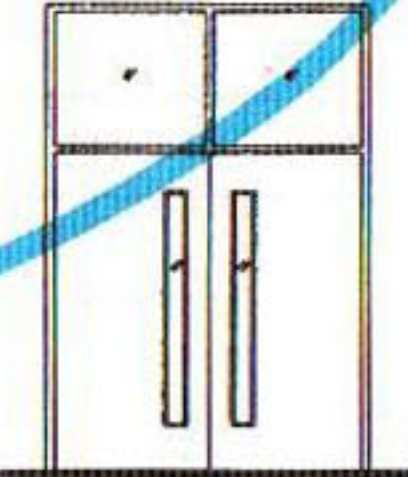


FM1型钢防火门选用图

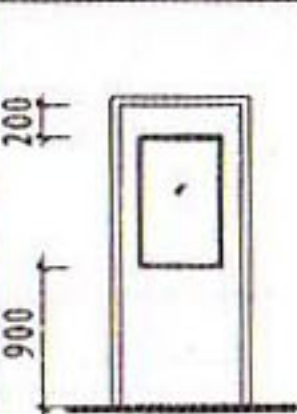
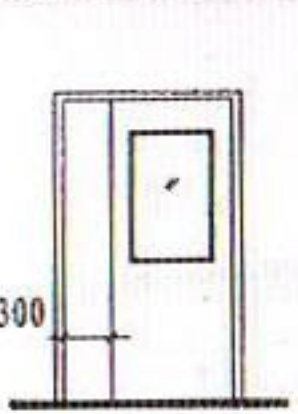
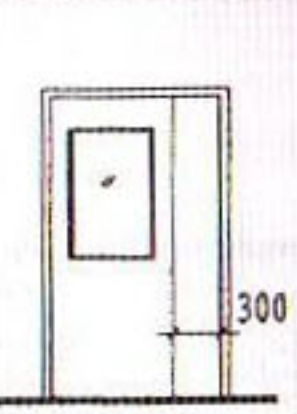
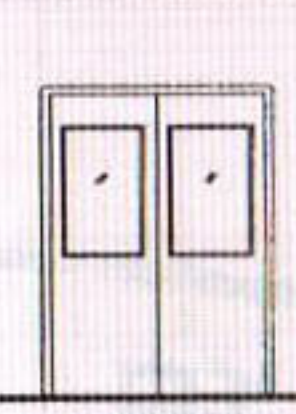
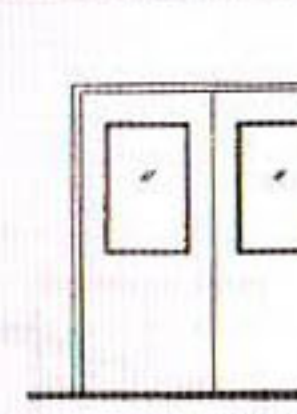
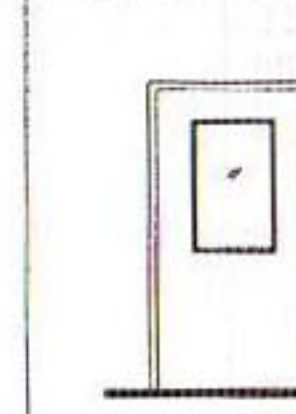
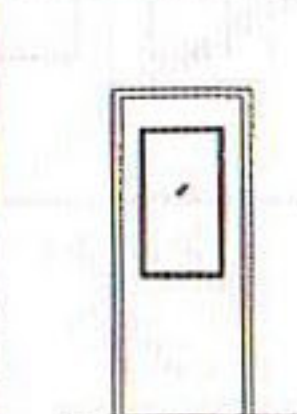
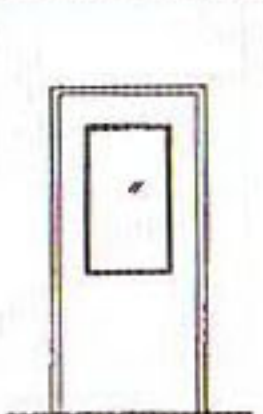
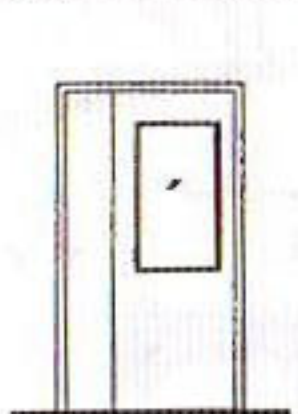
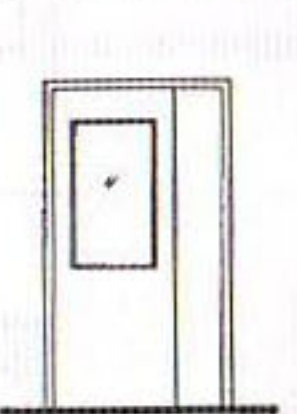
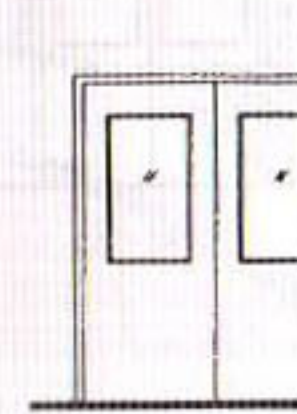
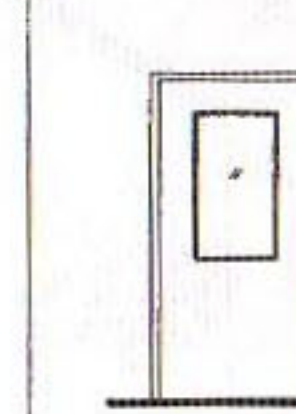
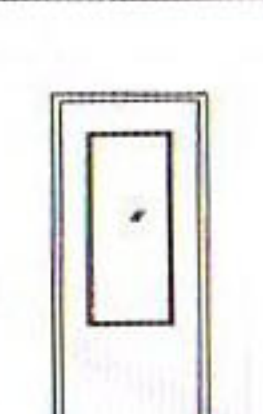
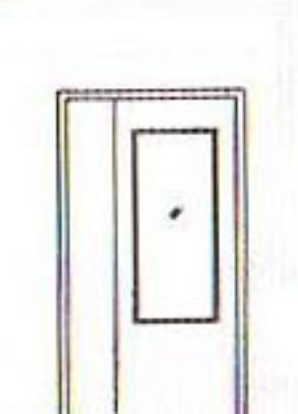
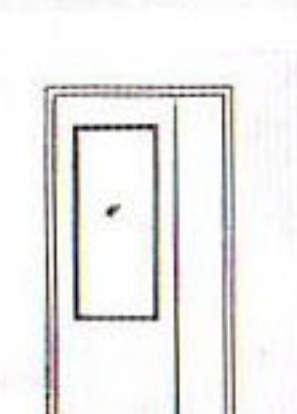
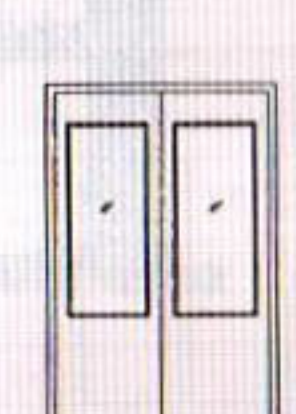
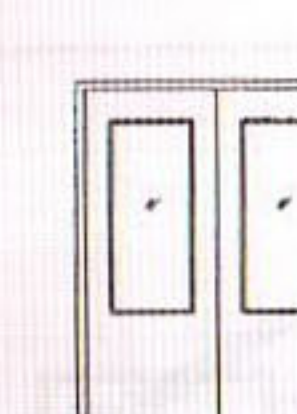
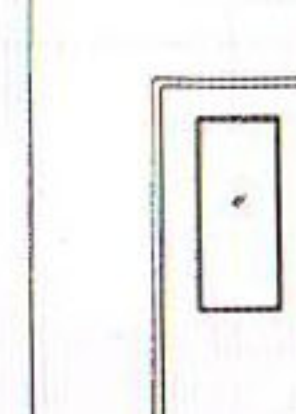
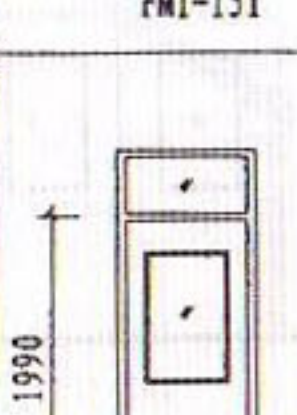
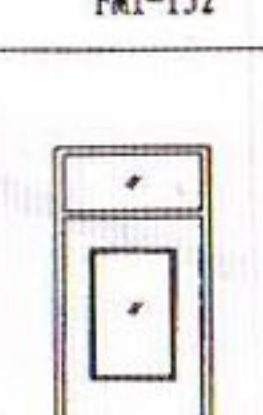
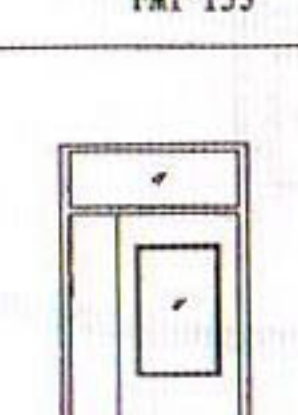
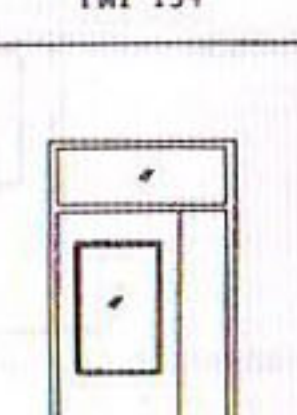
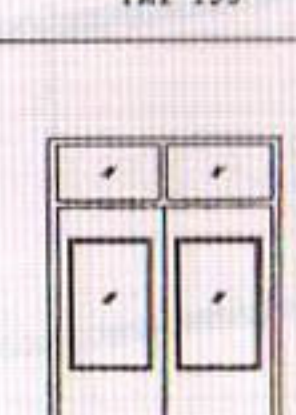
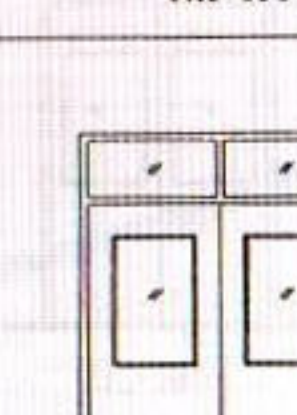
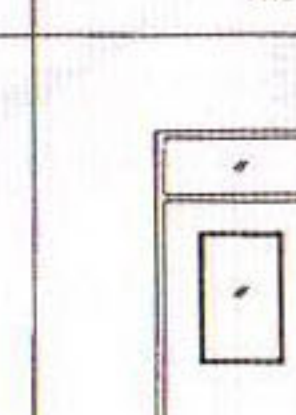
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洞口尺寸		900	1000	1200	1200	1500	1800	2100
框口尺寸		880	980	1180	1180	1480	1780	2080
2000	1990							
		FM1-103	FM1-104	FM1-105	FM1-106	FM1-107	FM1-108	FM1-109
2100	2090							
		FM1-110	FM1-111	FM1-112	FM1-113	FM1-114	FM1-115	FM1-116
2400	2390							
		FM1-117	FM1-118	FM1-119	FM1-120	FM1-121	FM1-122	FM1-123
2400	2390							
		FM1-124	FM1-125	FM1-126	FM1-127	FM1-128	FM1-129	FM1-130

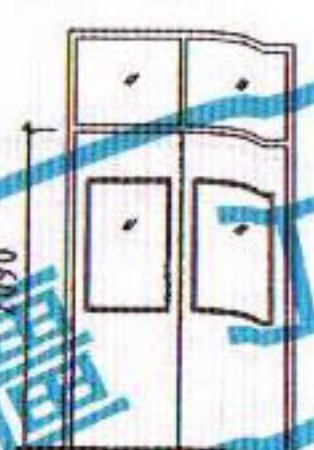
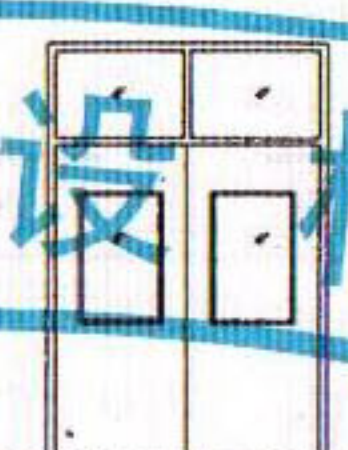
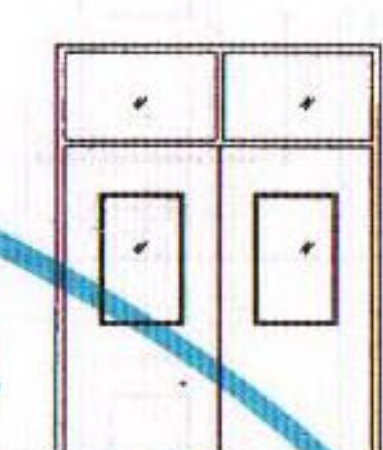
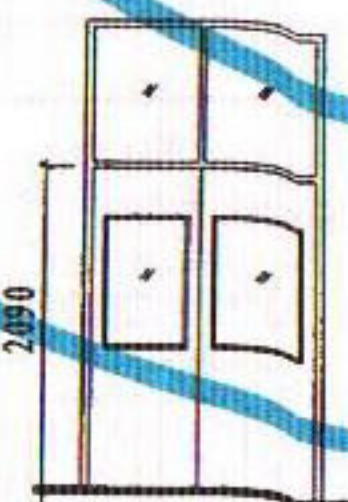
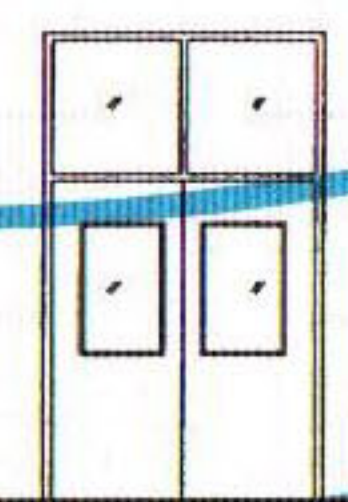
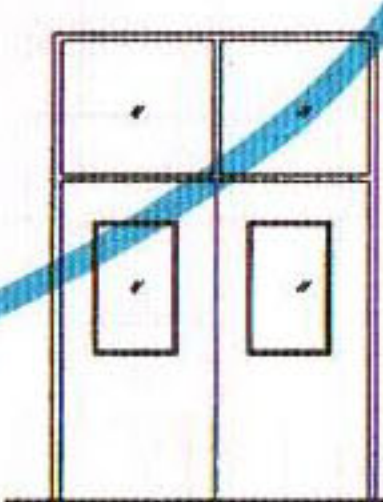
FM1型钢防火门选用图

		1500	1800	2100
		1480	1780	2080
洞口尺寸	框口尺寸	<div><p>FM1-131</p></div>		
2700	2690		<div><p>FM1-132</p></div>	<div><p>FM1-133</p></div>
3000	2990	<div><p>FM1-134</p></div>	<div><p>FM1-135</p></div>	<div><p>FM1-136</p></div>

FM1型钢防火门选用图

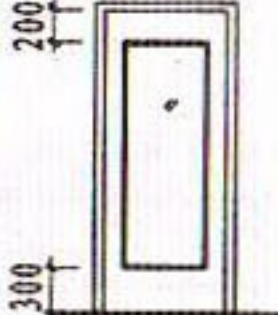
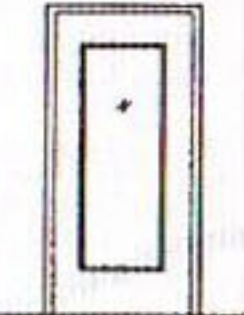
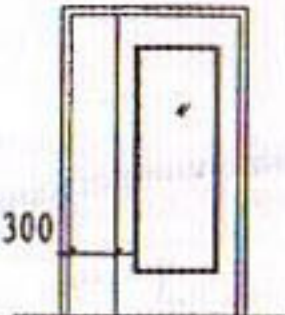
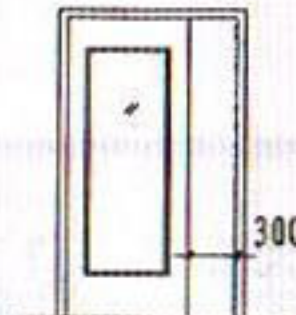
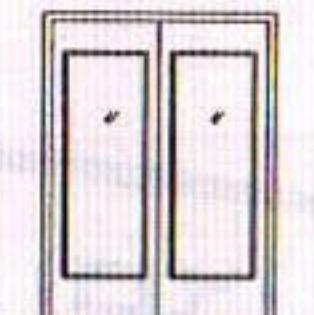
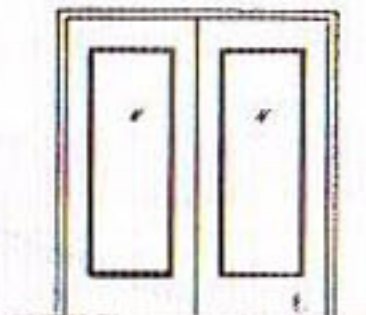
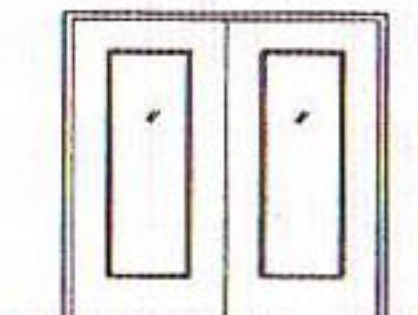
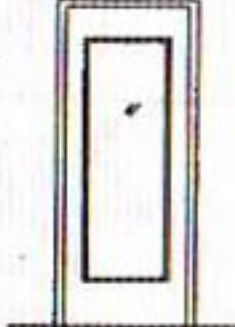
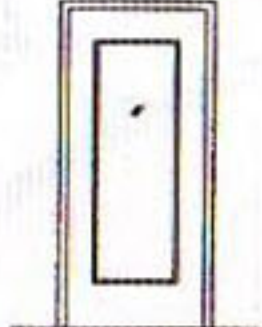
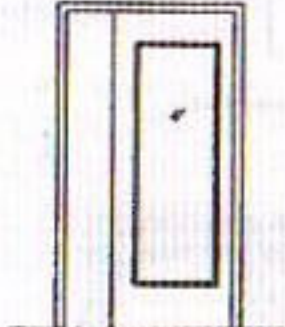
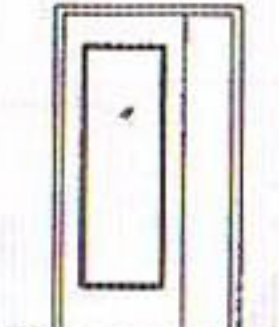
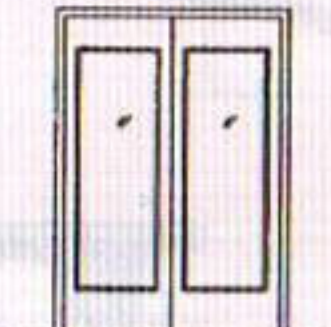
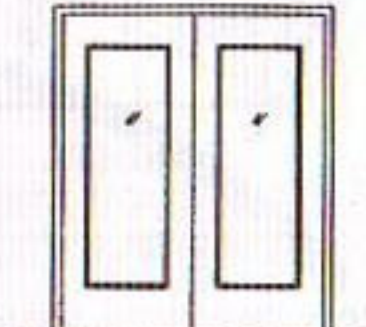
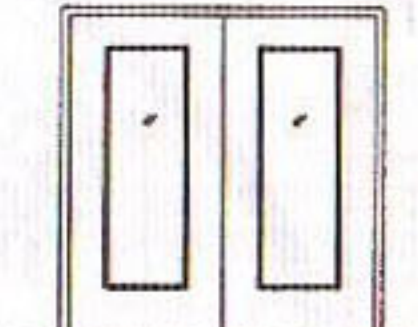
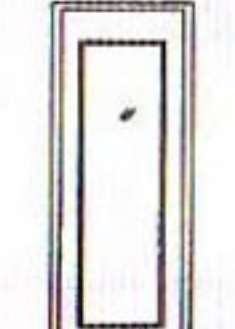
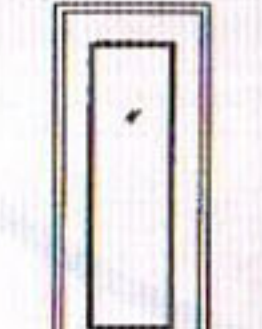
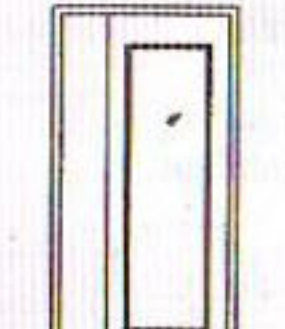
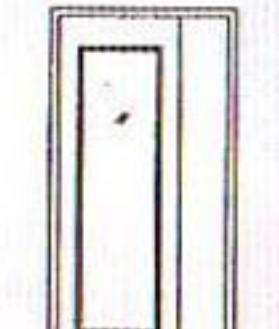
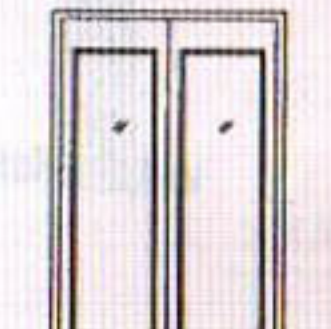
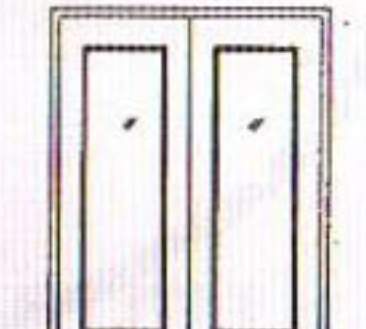
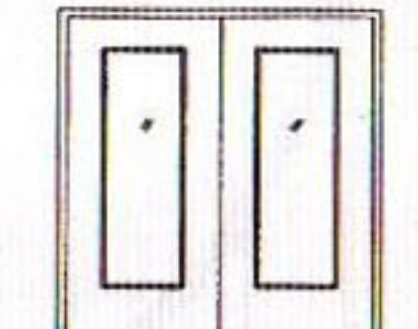
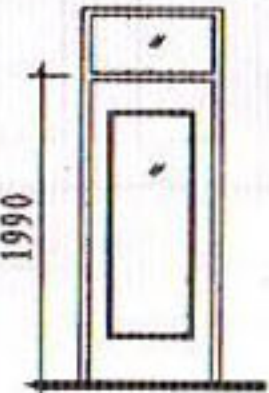
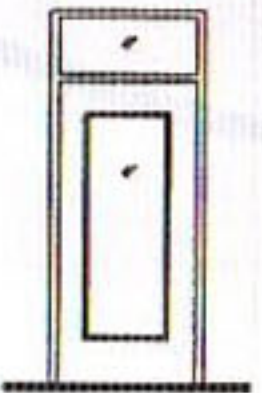
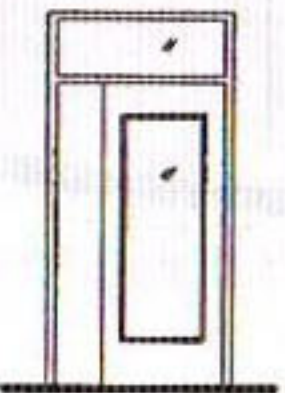
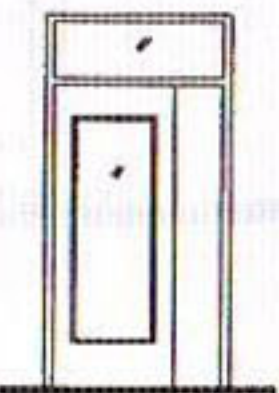
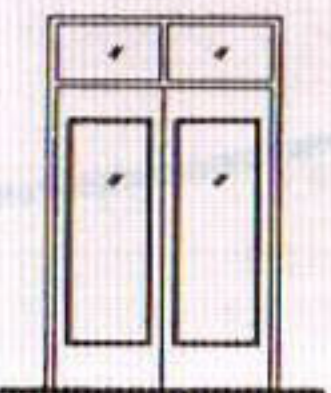
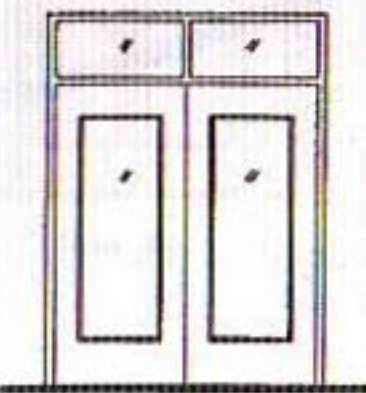
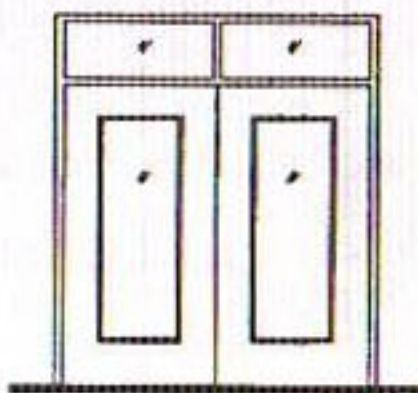
洞口尺寸		800	1000	1200	1200	1500	1800	2100
框口尺寸		880	980	1180	1180	1480	1780	2080
2000	1990	 FM1-137	 FM1-138	 FM1-139	 FM1-140	 FM1-141	 FM1-142	 FM1-143
2100	2090	 FM1-144	 FM1-145	 FM1-146	 FM1-147	 FM1-148	 FM1-149	 FM1-150
2400	2390	 FM1-151	 FM1-152	 FM1-153	 FM1-154	 FM1-155	 FM1-156	 FM1-157
2400	2390	 FM1-158	 FM1-159	 FM1-160	 FM1-161	 FM1-162	 FM1-163	 FM1-164

FM1型钢防火门选用图

		1500	1800	2100
		1480	1780	2080
洞口尺寸	框口尺寸			
2700	2690			
				
		FM1-165	FM1-166	FM1-167
		BT		
3000	2990			
		FM1-168	FM1-169	FM1-170

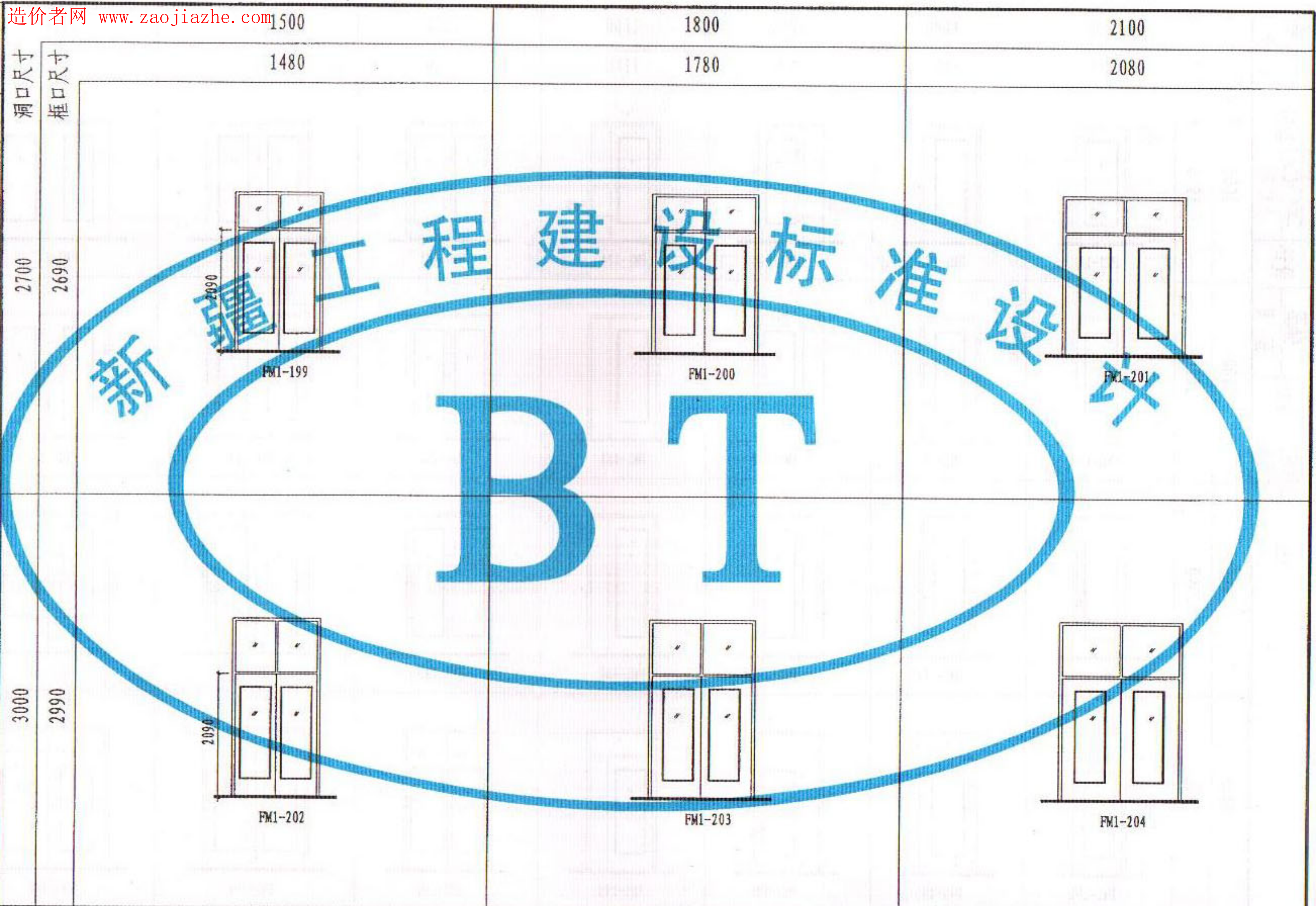
FM1型钢防火门选用图

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洞口尺寸	洞口尺寸	800	1000	1200	1200	1500	1800	2100
		880	980	1180	1180	1480	1780	2080
2000	1990	 FM1-171	 FM1-172	 FM1-173	 FM1-174	 FM1-175	 FM1-176	 FM1-177
2100	2090	 FM1-178	 FM1-179	 FM1-180	 FM1-181	 FM1-182	 FM1-183	 FM1-184
2400	2390	 FM1-185	 FM1-186	 FM1-187	 FM1-188	 FM1-189	 FM1-190	 FM1-191
2400	2390	 FM1-192	 FM1-193	 FM1-194	 FM1-195	 FM1-196	 FM1-197	 FM1-198

注：大玻璃防火门应采用高强度单片绝钾防火玻璃。

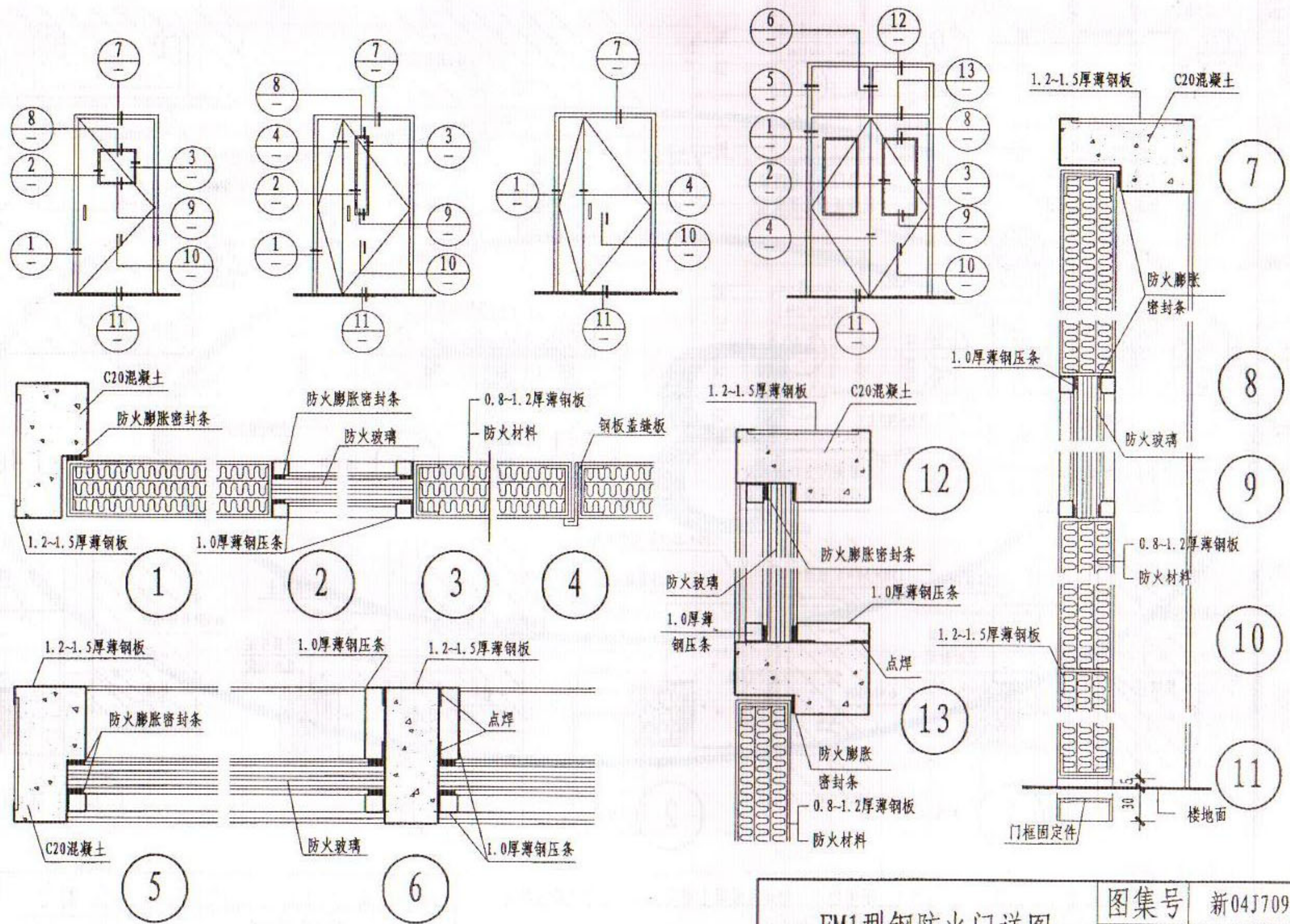
FM1型钢防火门选用图

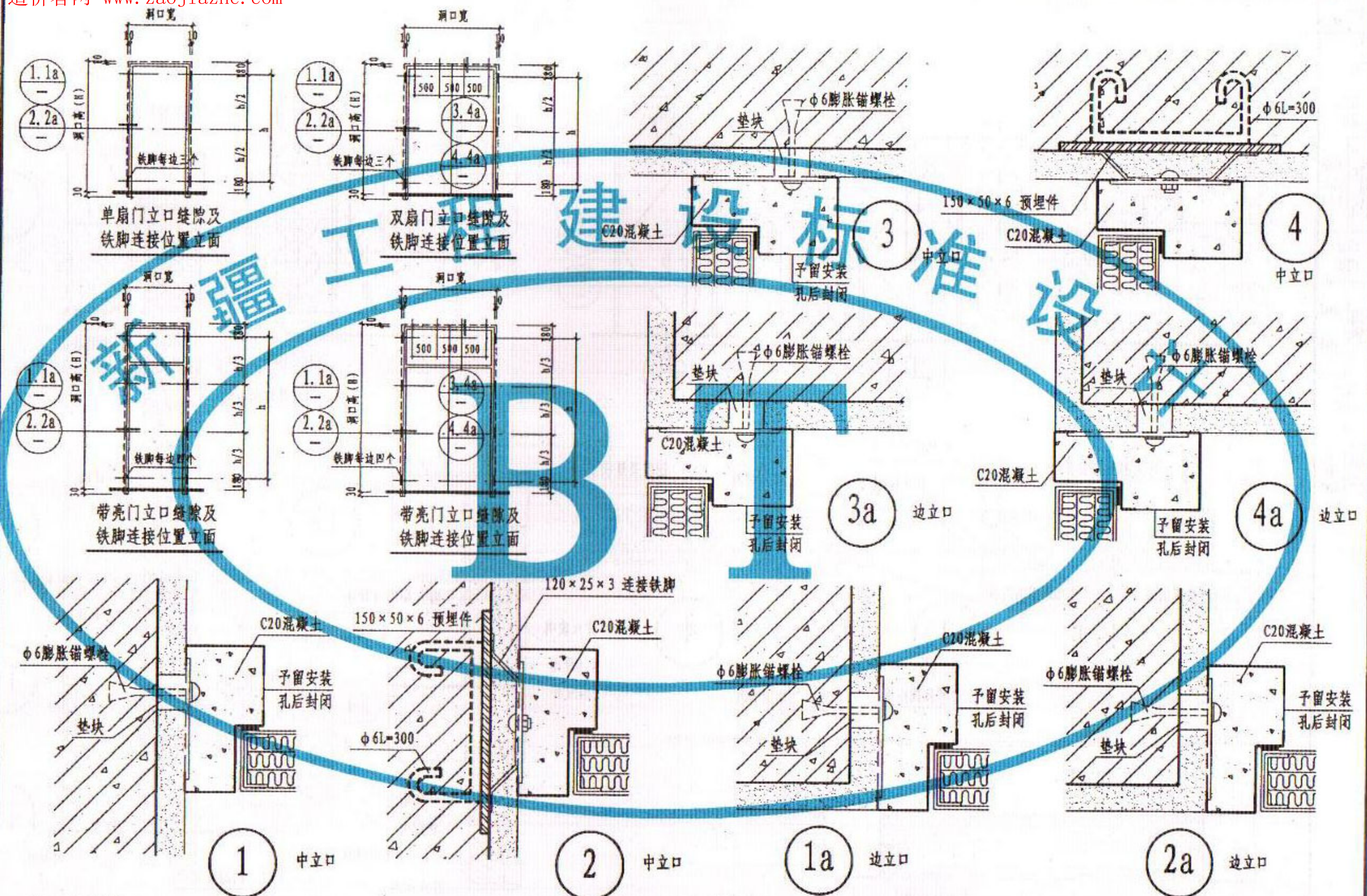


注：大玻璃防火门应采用高强度单片铯钾防火玻璃。

FM1型钢防火门选用图

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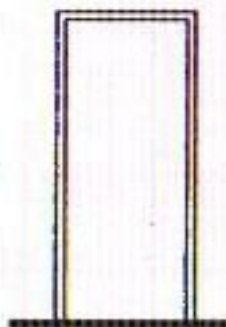
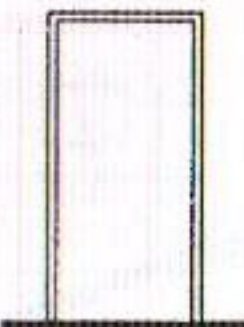
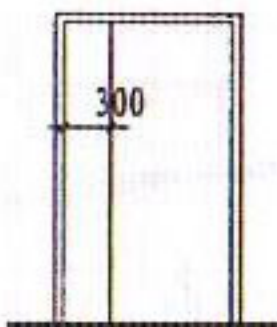
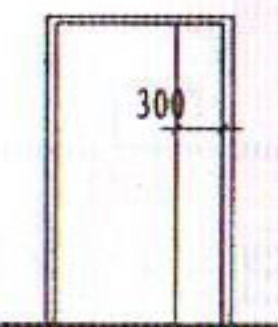
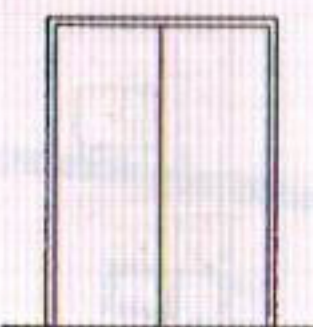
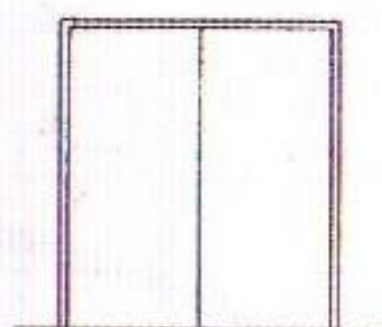
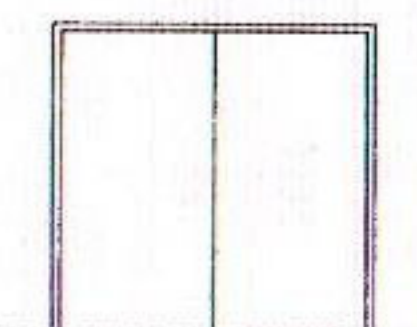
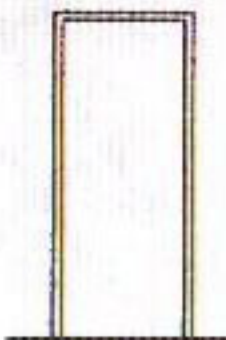
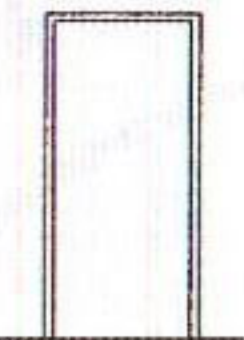
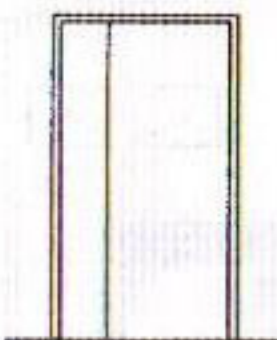
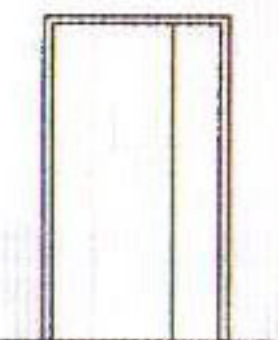
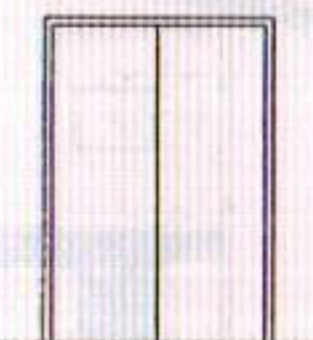
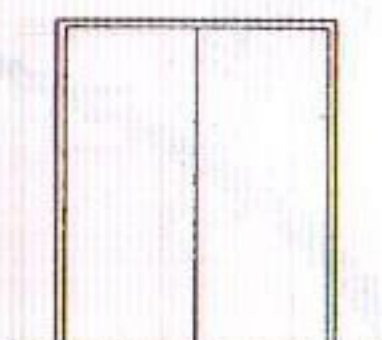
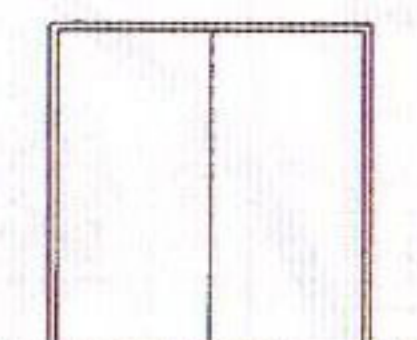
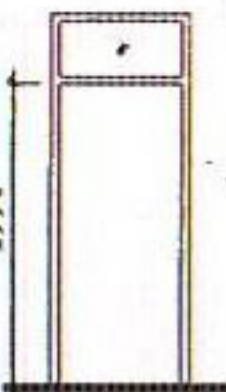
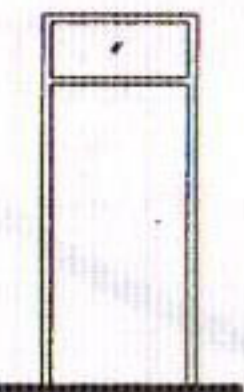
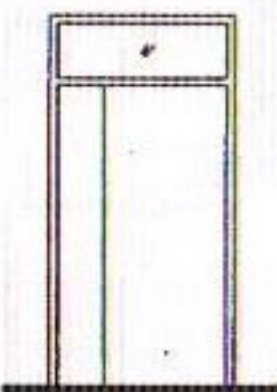
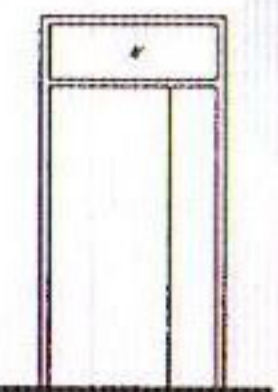
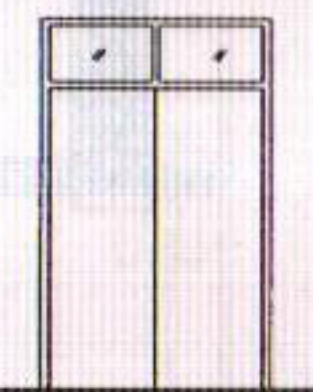
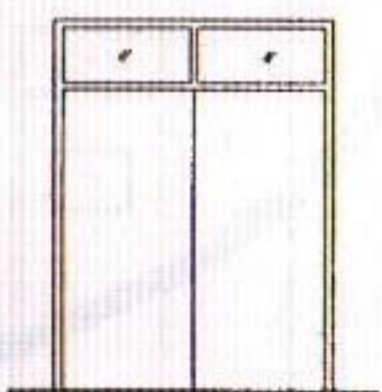
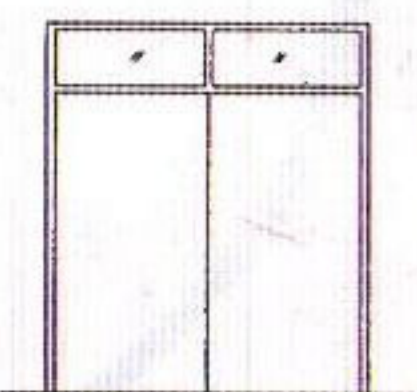
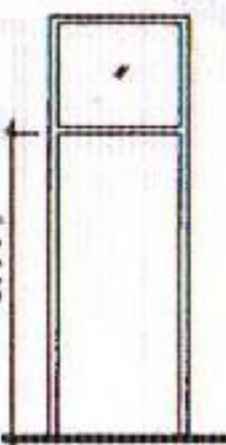
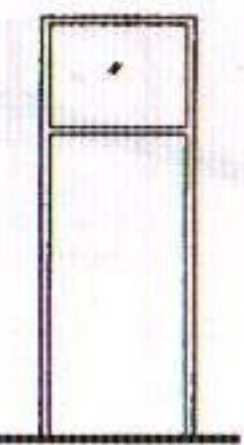
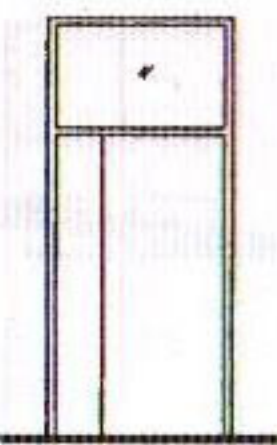
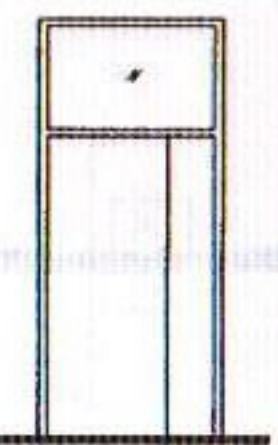
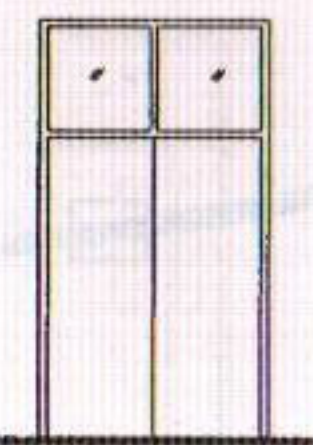
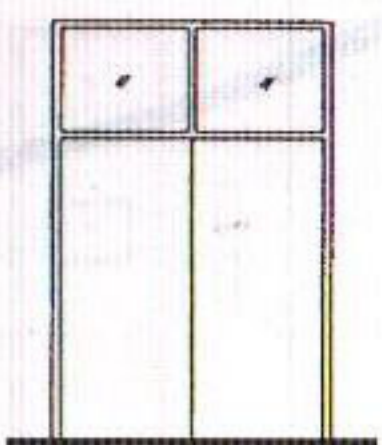
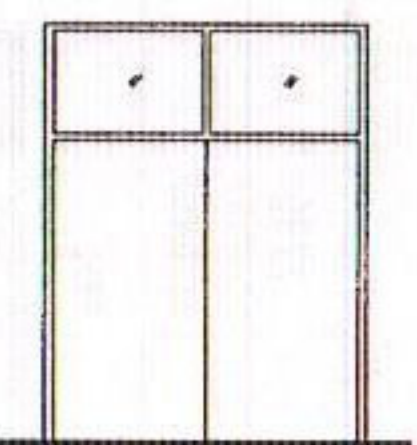


注: 适用墙体:

- a、钢筋混凝土墙; b、混凝土空心砌墙 (门两侧的空心砌块用混凝土填实) 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)。

FM1钢防火门洞口与门框连接
安装详图

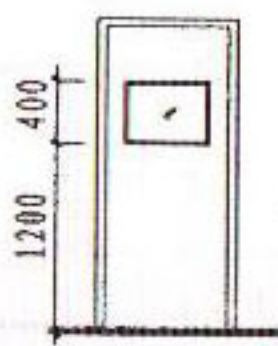
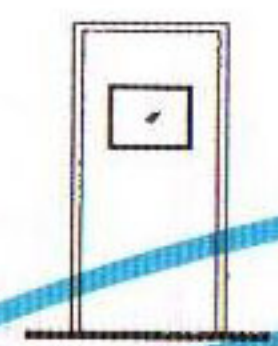
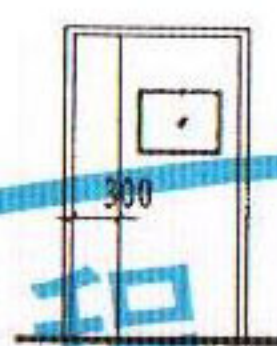
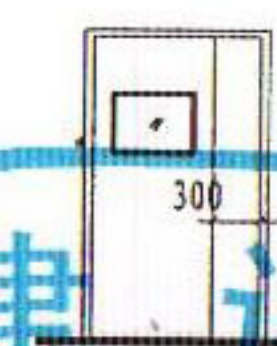
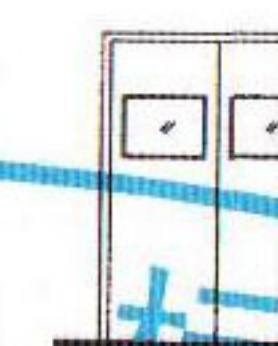
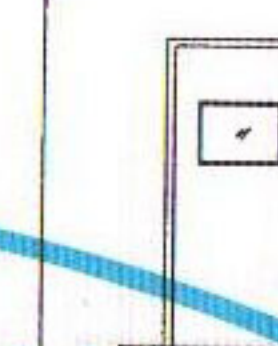
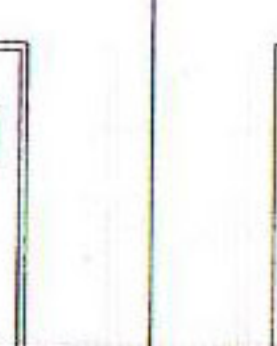
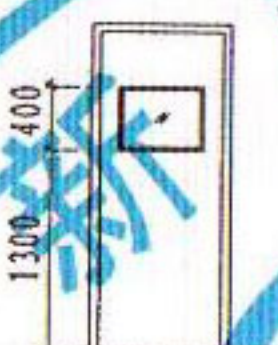
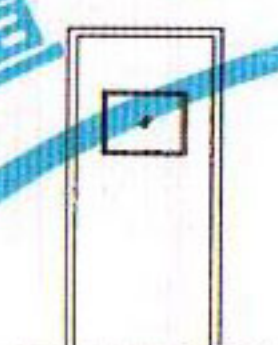
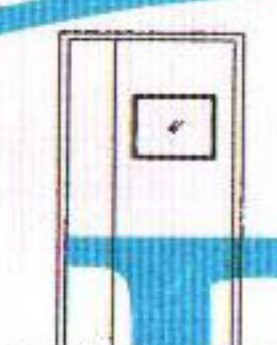
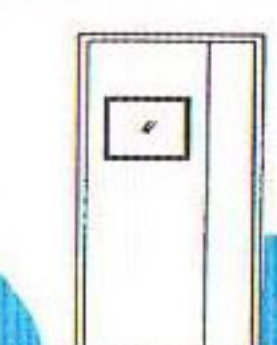
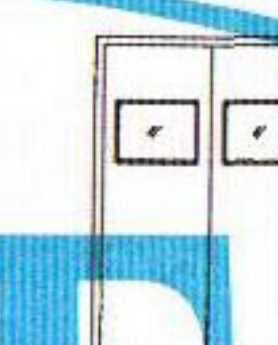
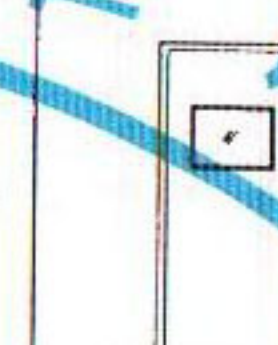
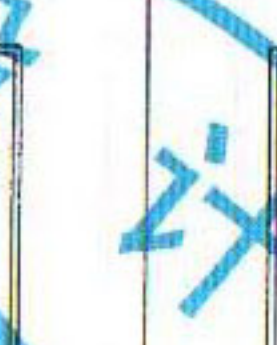
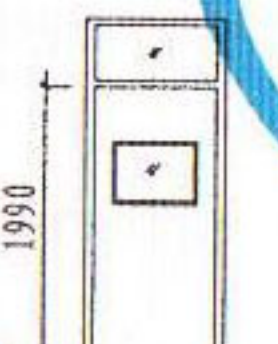
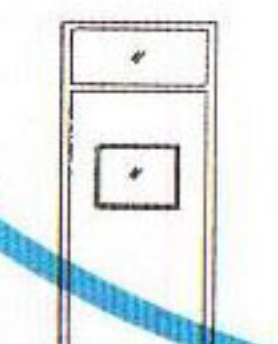
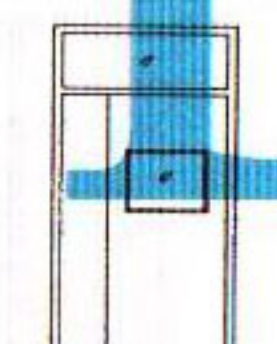
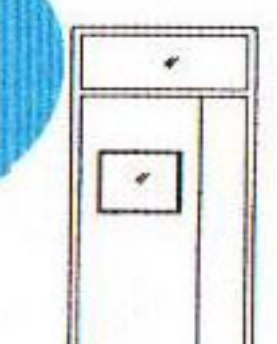
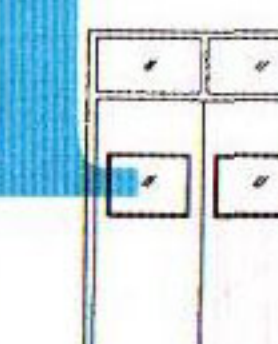
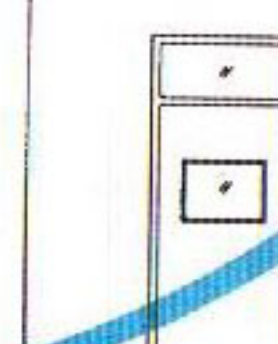
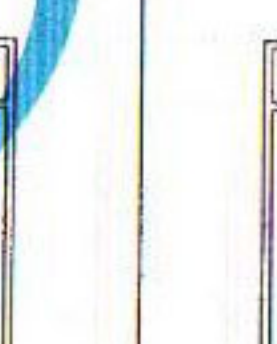
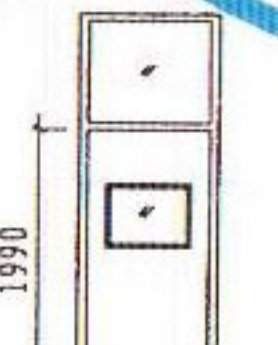
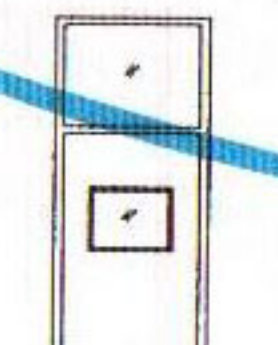
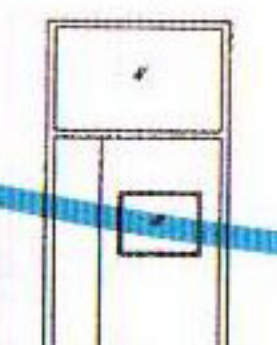
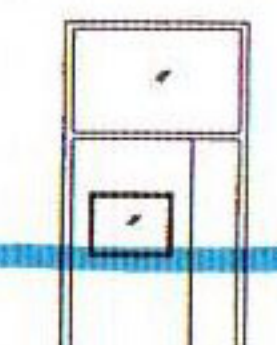
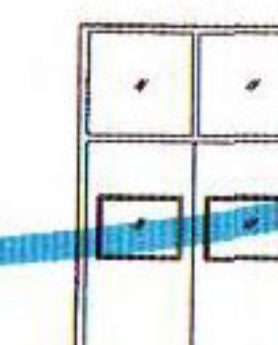
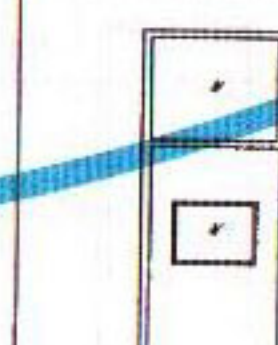
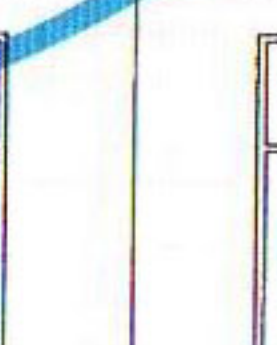
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页次	18

洞口尺寸	框口尺寸	880	980	1000	1180	1200	1200	1480	1500	1780	1800	2080	2100
		2000	1990										
													
		FM2-1	FM2-2	FM2-3	FM2-4	FM2-5	FM2-6	FM2-7					
													
		FM2-8	FM2-9	FM2-10	FM2-11	FM2-12	FM2-13	FM2-14					
													
		FM2-15	FM2-16	FM2-17	FM2-18	FM2-19	FM2-20	FM2-21					
													
		FM2-22	FM2-23	FM2-24	FM2-25	FM2-26	FM2-27	FM2-28					

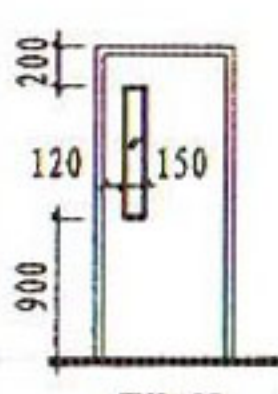
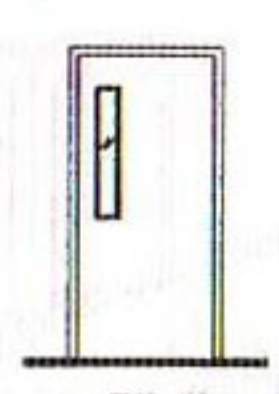
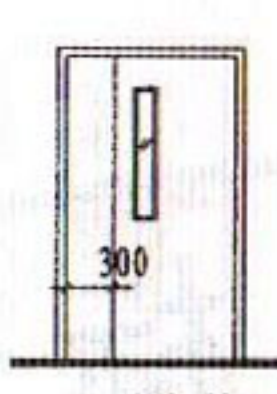
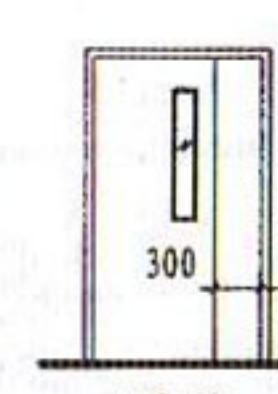
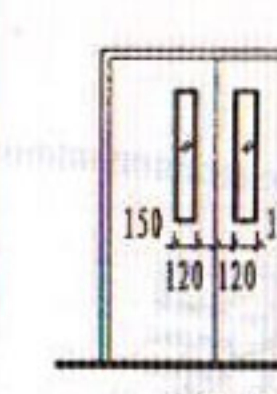
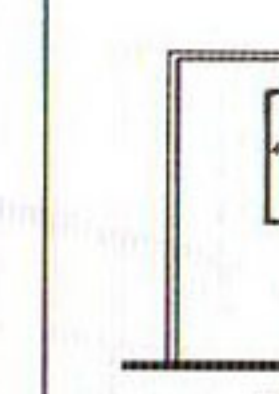
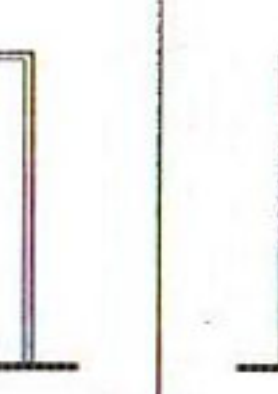
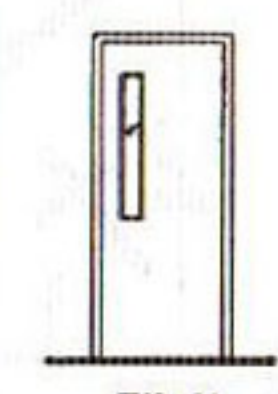
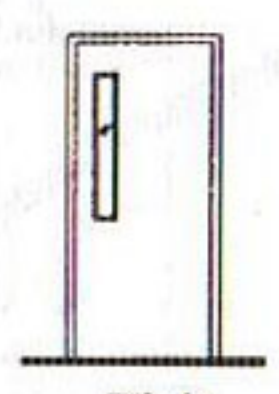
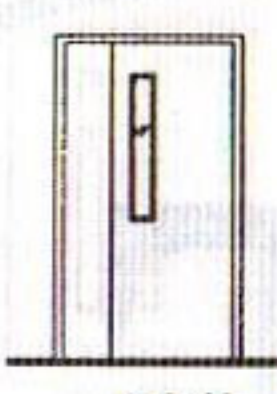
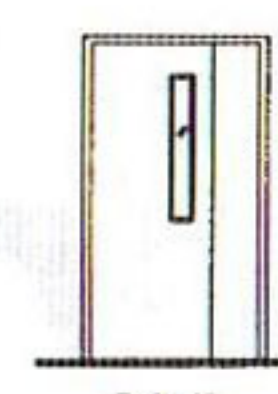
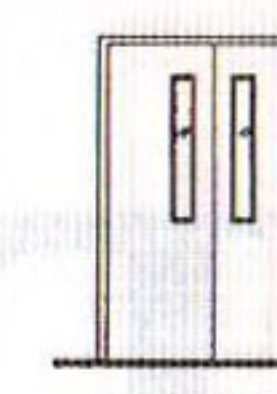
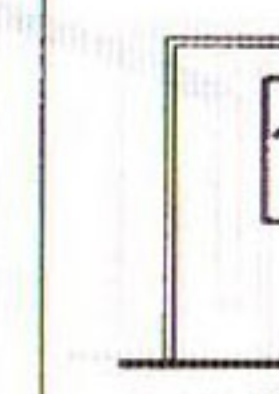
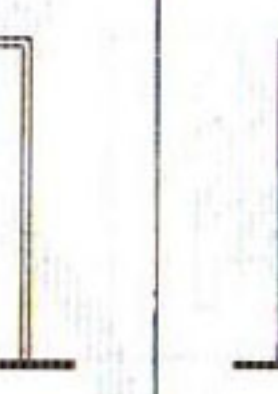
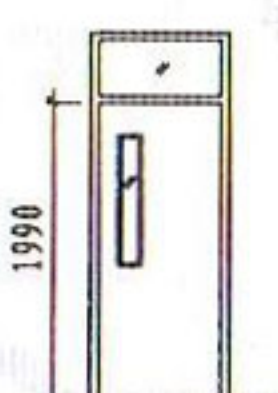
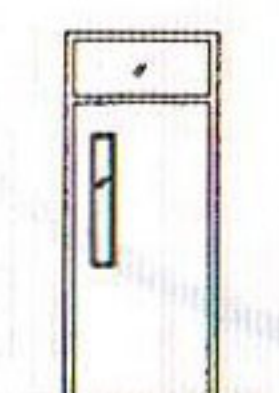
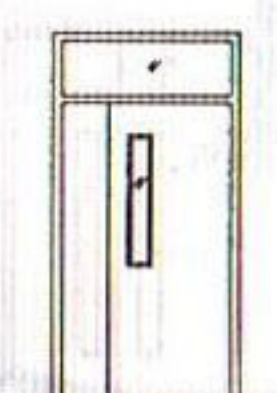
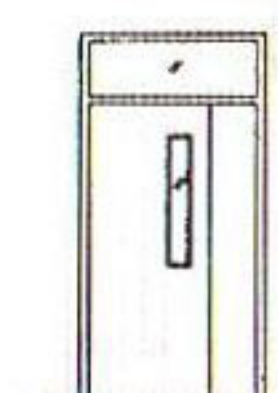
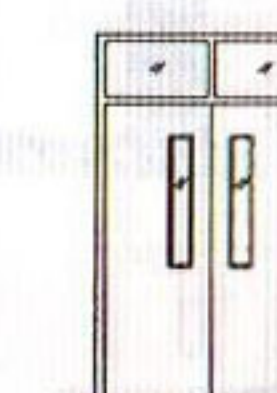
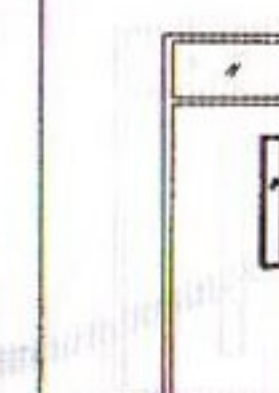
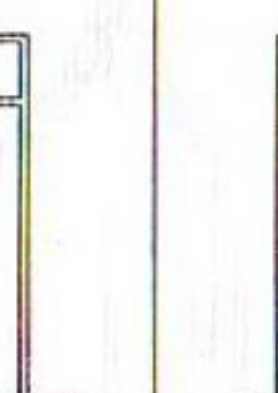
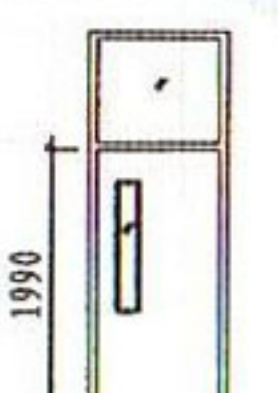
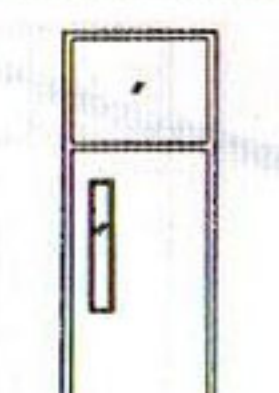
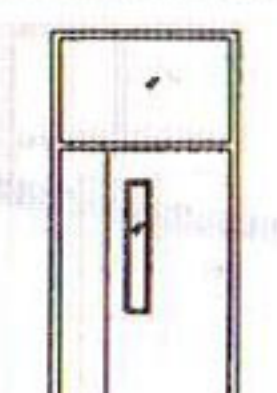
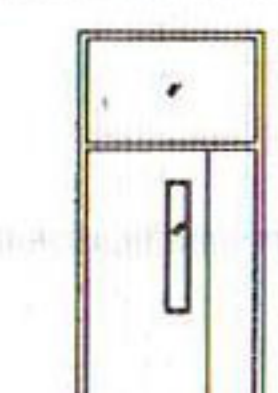
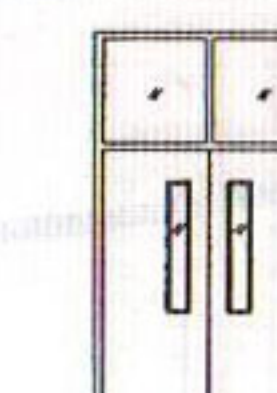
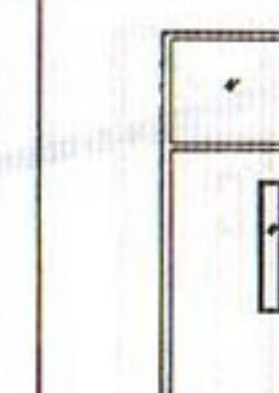

注: FM2门节点与安装详25、35页。

FM2型木夹板防火门选用图

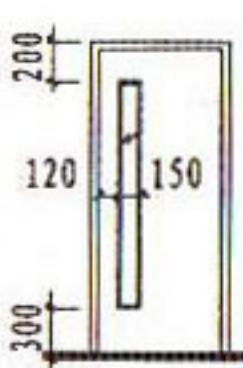

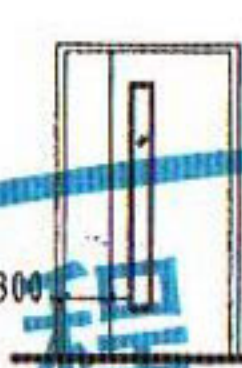

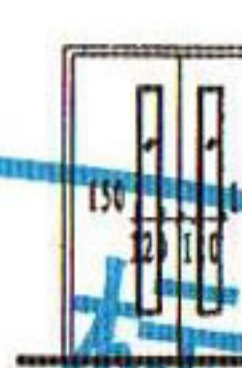
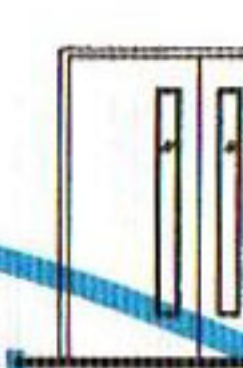
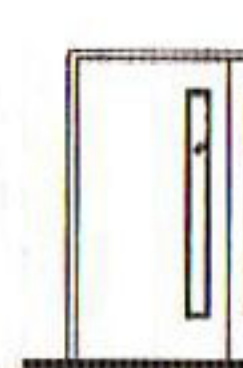
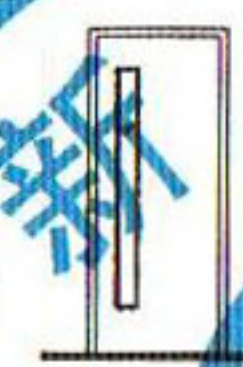
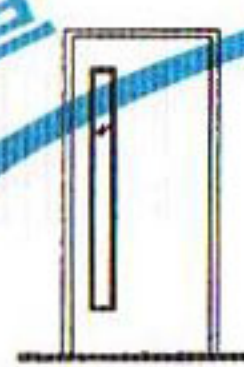
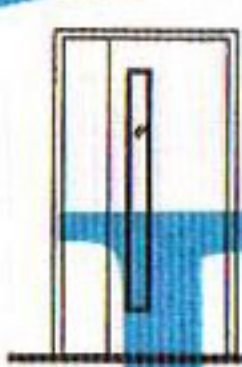
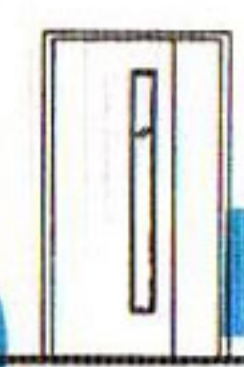
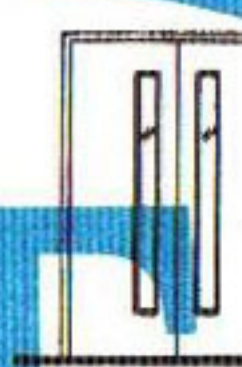
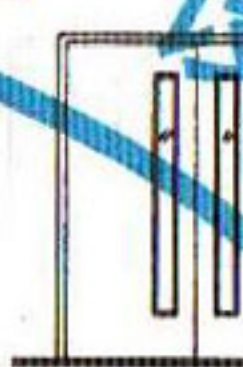
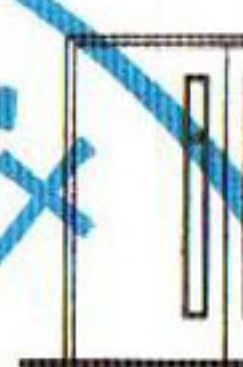
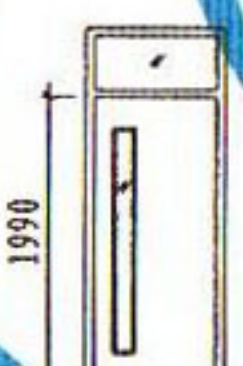
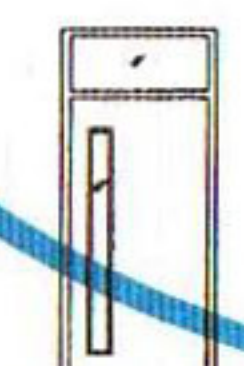
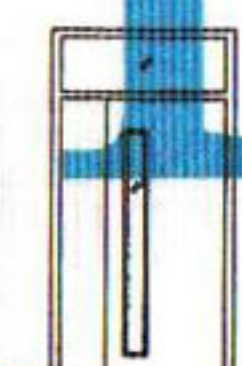
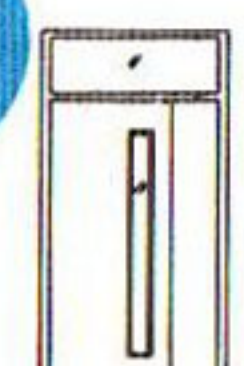

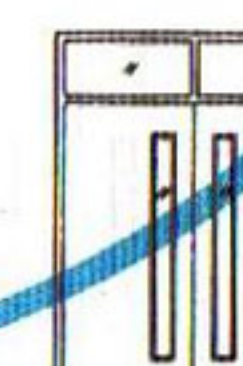

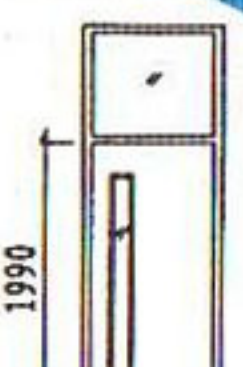
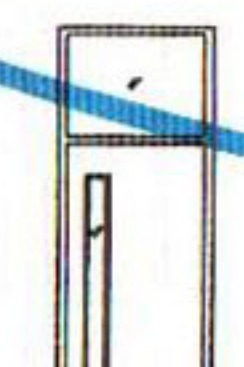
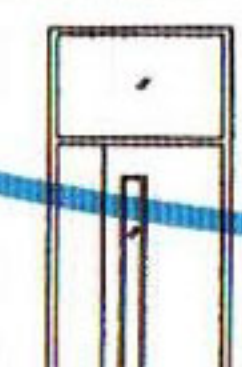
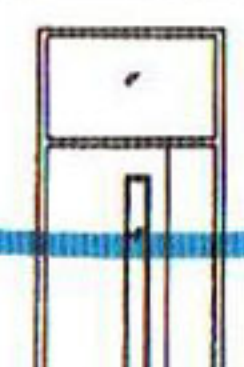

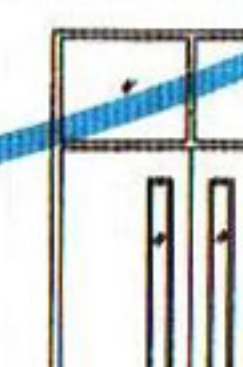

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		900	1000	1200	1200	1500	1800	2100
		880	980	1180	1180	1480	1780	2080
洞口尺寸	框口尺寸							
2000	1990							
		FM2-29	FM2-30	FM2-31	FM2-32	FM2-33	FM2-34	FM2-35
2100	2090							
		FM2-36	FM2-37	FM2-38	FM2-39	FM2-40	FM2-41	FM2-42
2400	2390							
		FM2-43	FM2-44	FM2-45	FM2-46	FM2-47	FM2-48	FM2-49
2700	2690							
		FM2-50	FM2-51	FM2-52	FM2-53	FM2-54	FM2-55	FM2-56

FM2型木夹板防火门选用图

洞口尺寸		800	1000	1200	1200	1500	1800	2100
框口尺寸		1990	1990	1990	1990	1990	1990	1990
2000	1990	 <p>FM2-57</p>	 <p>FM2-58</p>	 <p>FM2-59</p>	 <p>FM2-60</p>	 <p>FM2-61</p>	 <p>FM2-62</p>	 <p>FM2-63</p>
2100	2090	 <p>FM2-64</p>	 <p>FM2-65</p>	 <p>FM2-66</p>	 <p>FM2-67</p>	 <p>FM2-68</p>	 <p>FM2-69</p>	 <p>FM2-70</p>
2400	2390	 <p>FM2-71</p>	 <p>FM2-72</p>	 <p>FM2-73</p>	 <p>FM2-74</p>	 <p>FM2-75</p>	 <p>FM2-76</p>	 <p>FM2-77</p>
2700	2690	 <p>FM2-78</p>	 <p>FM2-79</p>	 <p>FM2-80</p>	 <p>FM2-81</p>	 <p>FM2-82</p>	 <p>FM2-83</p>	 <p>FM2-84</p>

FM2型木夹板防火门选用图

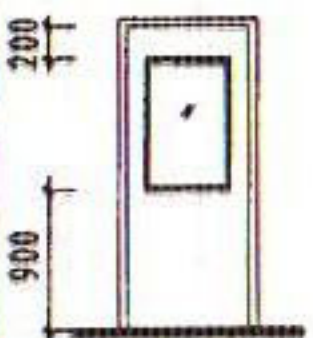
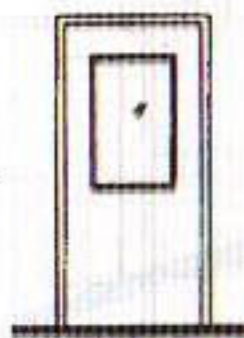
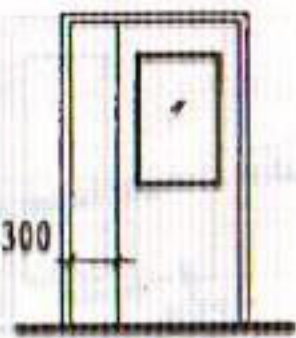
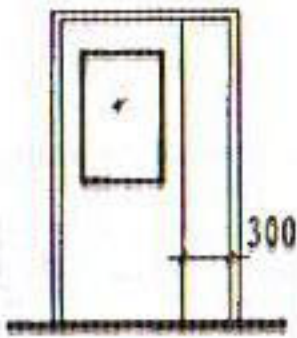
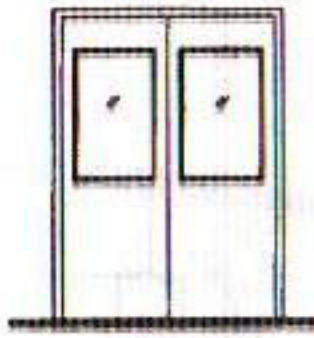
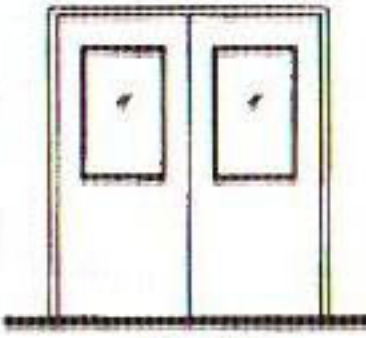
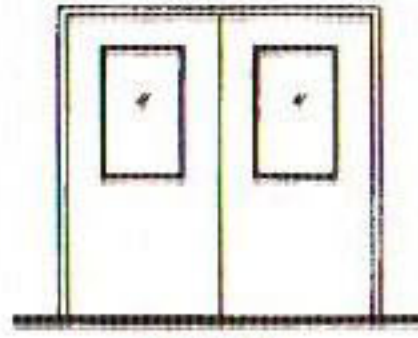
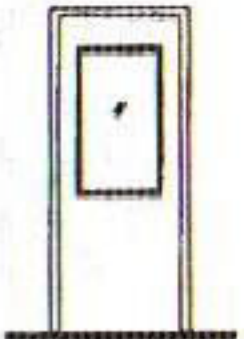
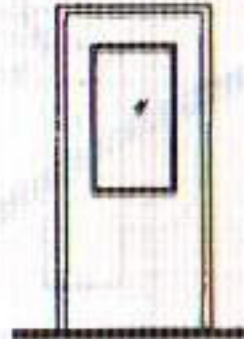
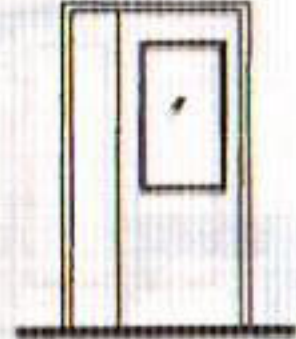
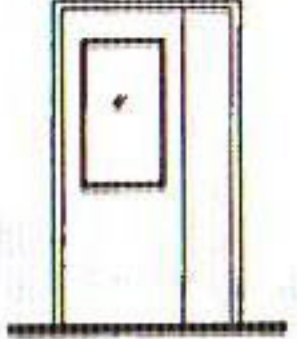
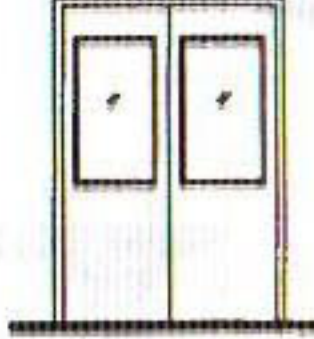
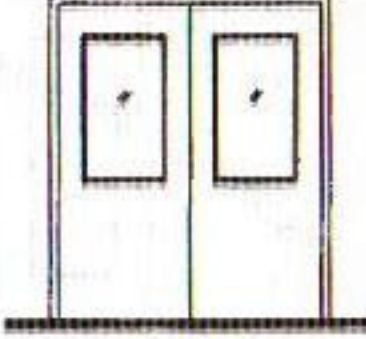
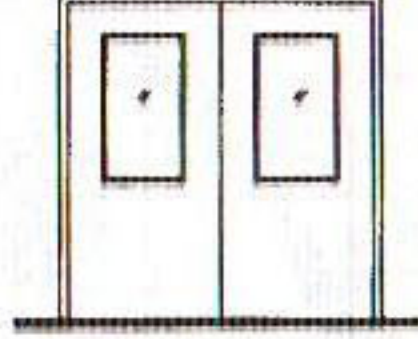
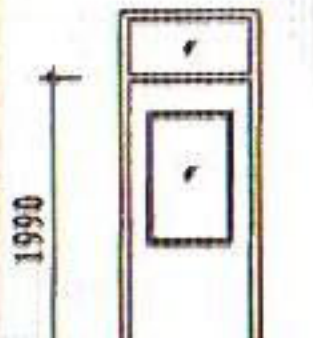
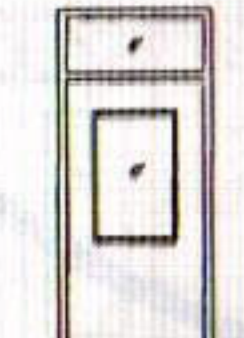
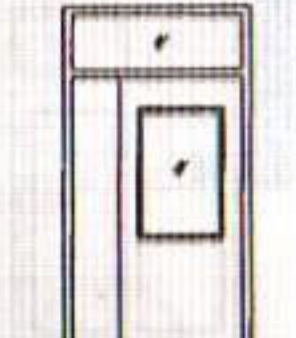
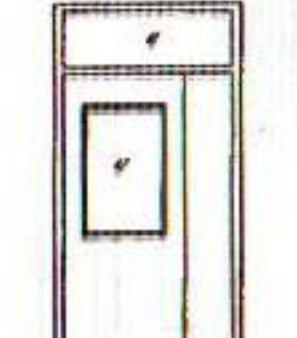
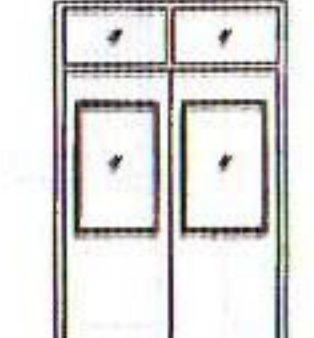
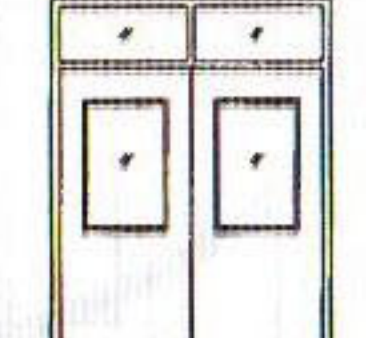
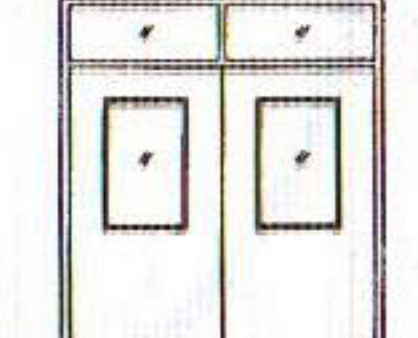
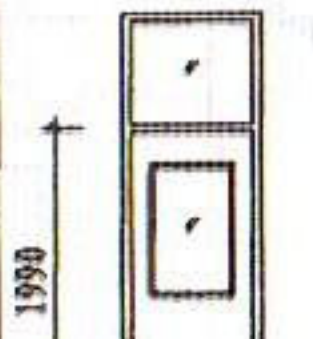
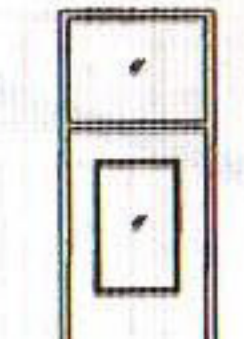
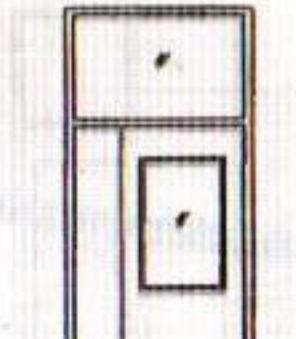
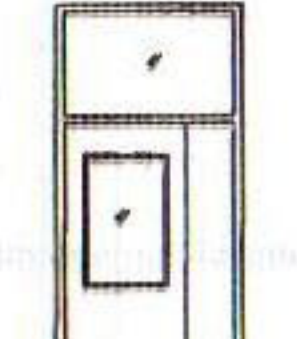
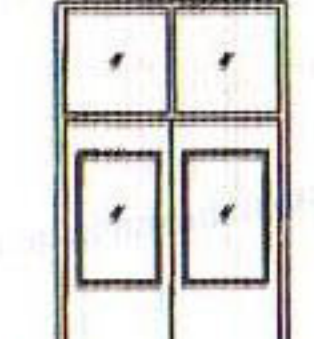
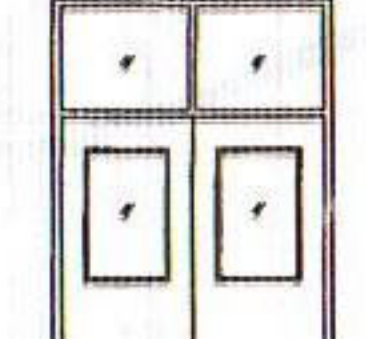
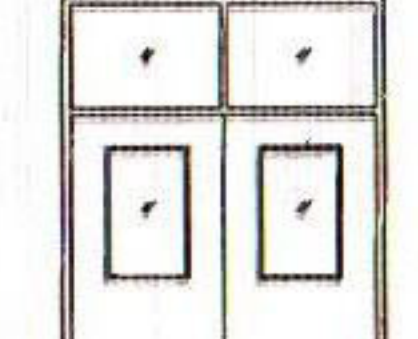
洞口尺寸		800	1000	1200	1200	1500	1800	2100
洞口尺寸	2000	880	980	1180	1180	1480	1780	2080
	框口尺寸	1990						
	2000							
	2100							
	2400							
	2700							
	2700	2690						

FM2型木夹板防火门选用图

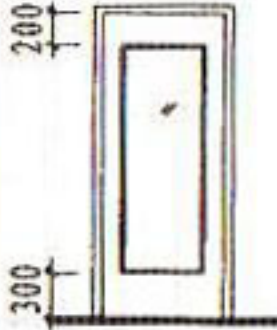
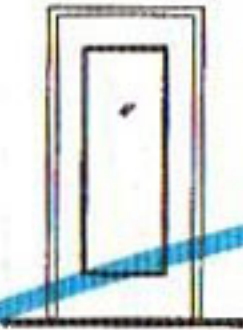
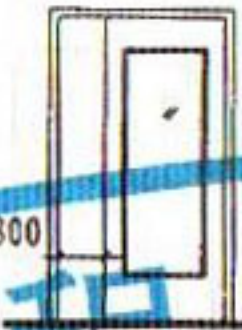
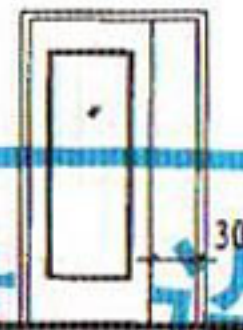
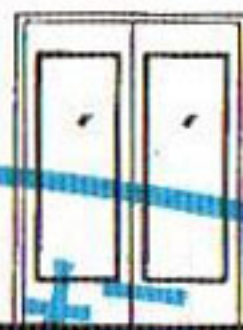
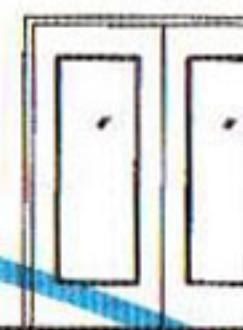
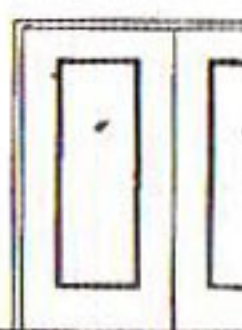
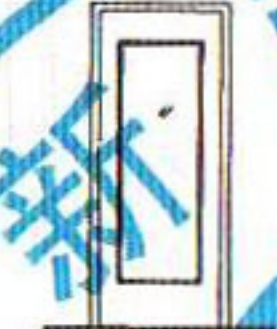
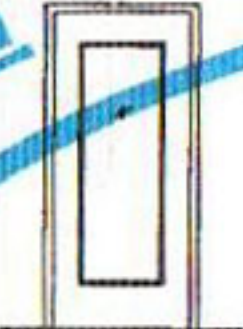
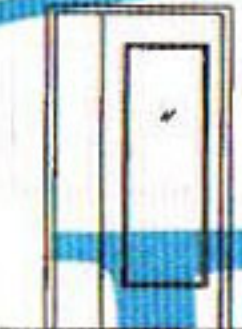
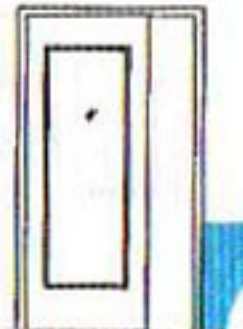
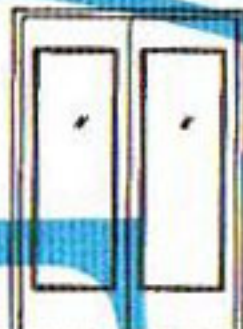
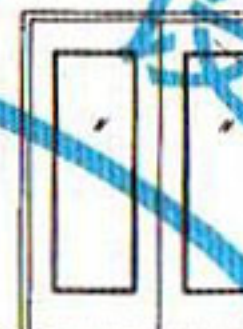
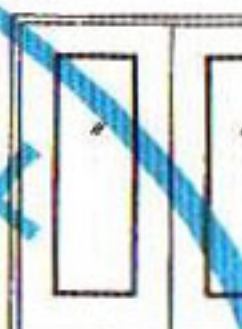
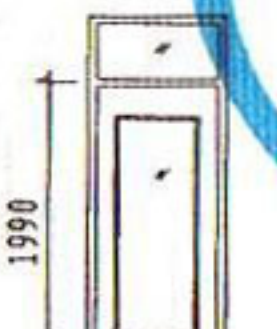
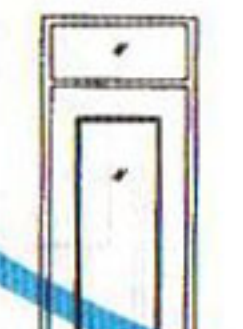
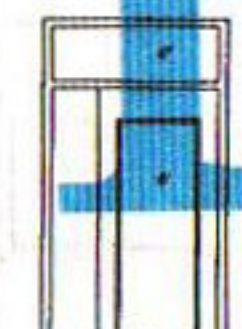
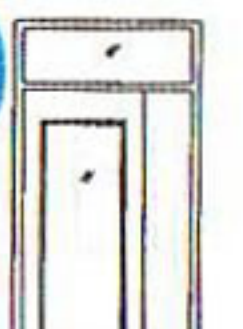
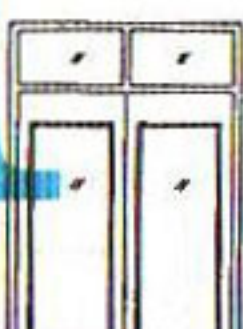
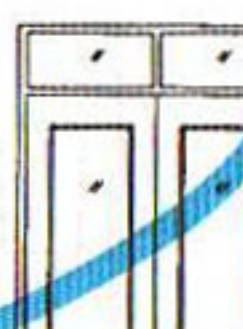

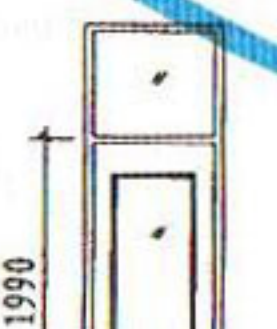
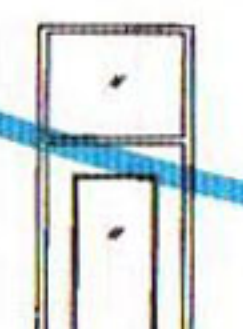
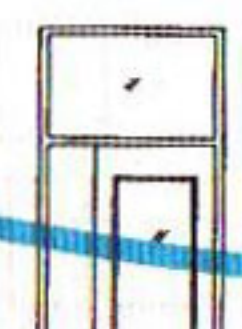
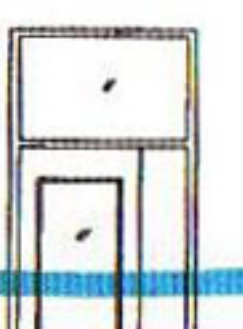
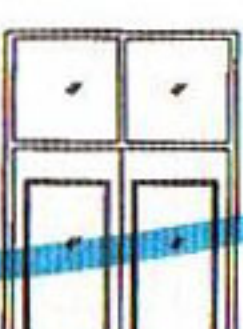
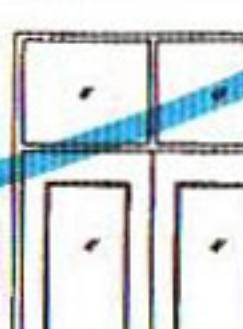
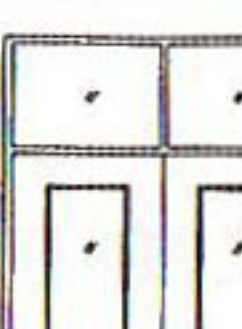
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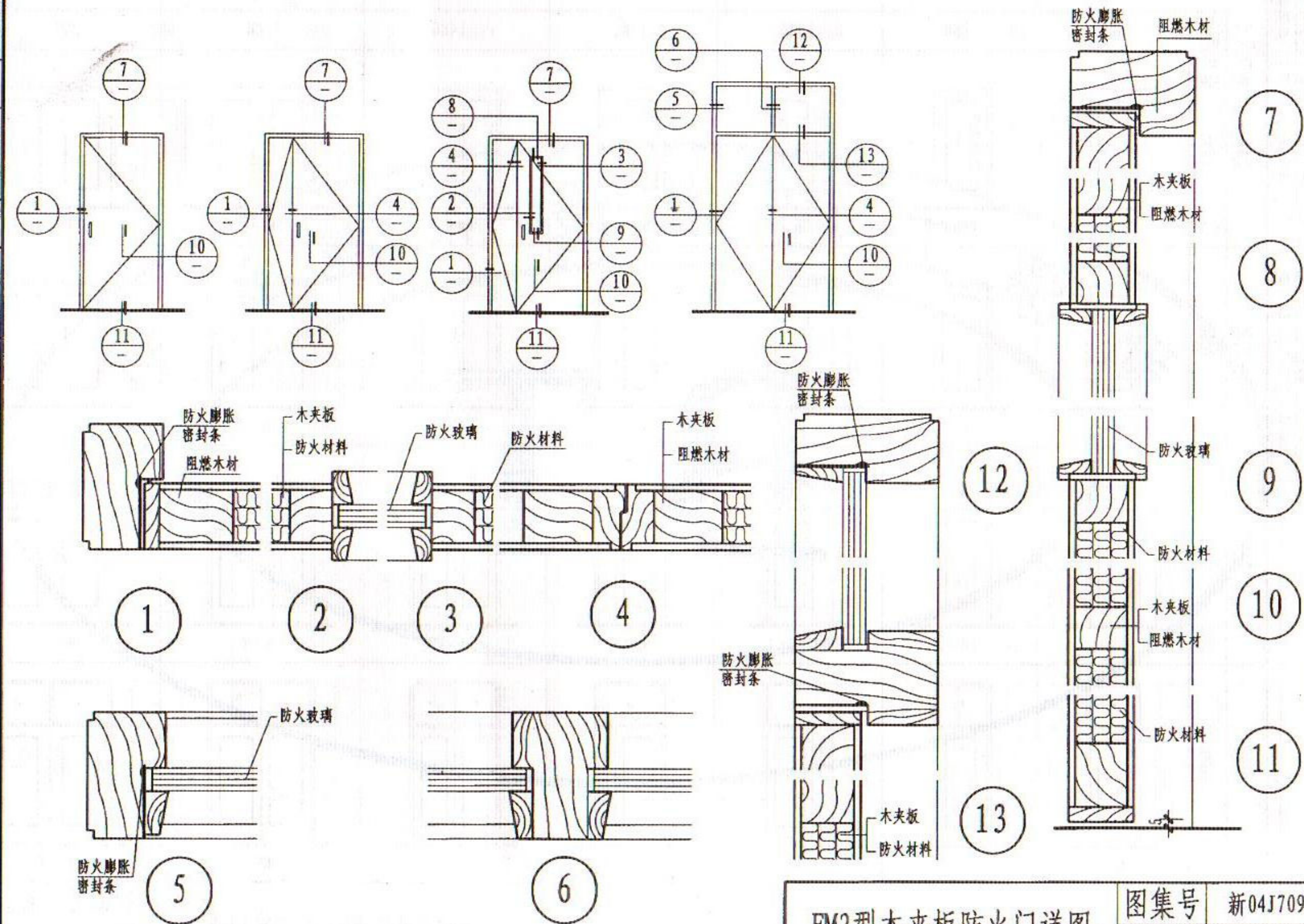
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框口尺寸		880	980	1180	1180	1480	1780	2080
2000	1990							
		FM2-113	FM2-114	FM2-115	FM2-116	FM2-117	FM2-118	FM2-119
2100	2090							
		FM2-120	FM2-121	FM2-122	FM2-123	FM2-124	FM2-125	FM2-126
2400	2390							
		FM2-127	FM2-128	FM2-129	FM2-130	FM2-131	FM2-132	FM2-133
2700	2690							
		FM2-134	FM2-135	FM2-136	FM2-137	FM2-138	FM2-139	FM2-140

FM2型木夹板防火门选用图

洞口尺寸		900	1000	1200	1200	1500	1800	2100
框口尺寸		880	980	1180	1180	1480	1780	2080
2000	1990							
		FM2-141	FM2-142	FM2-143	FM2-144	FM2-145	FM2-146	FM2-147
2100	2090							
		FM2-148	FM2-149	FM2-150	FM2-151	FM2-152	FM2-153	FM2-154
2400	2390							
		FM2-155	FM2-156	FM2-157	FM2-158	FM2-159	FM2-160	FM2-161
2700	2690							
		FM2-162	FM2-163	FM2-164	FM2-165	FM2-166	FM2-167	FM2-168

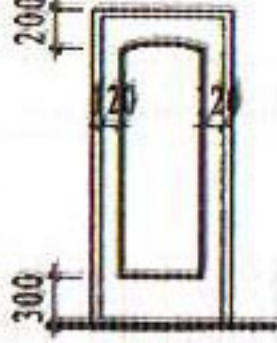

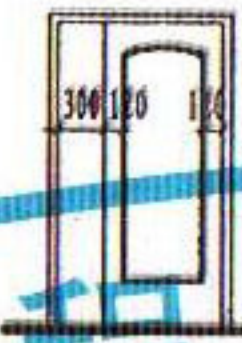
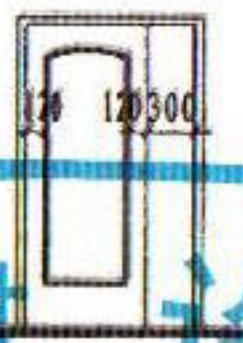
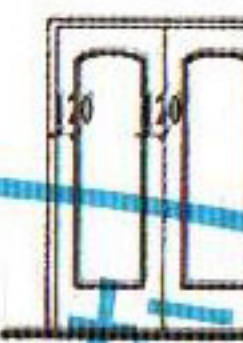
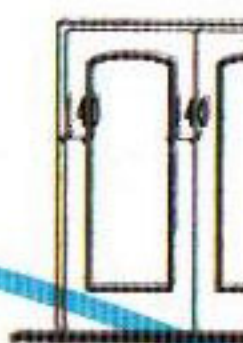
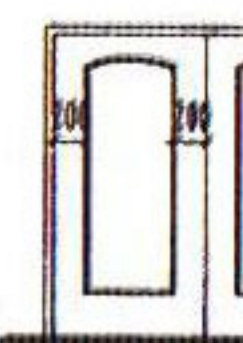
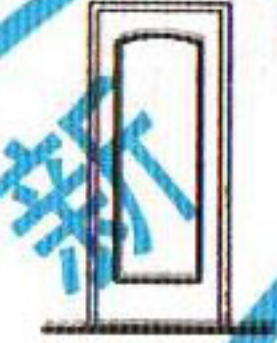
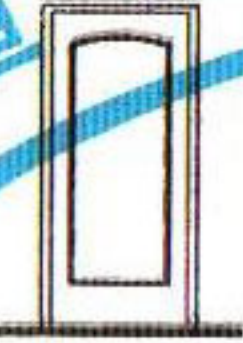

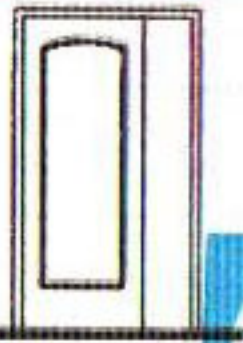
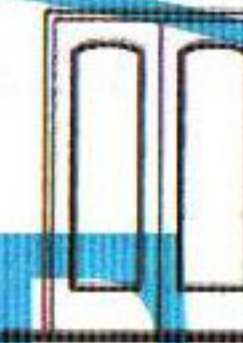


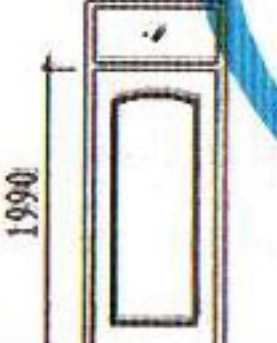
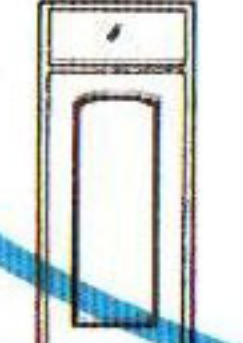
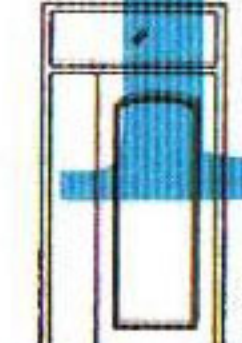
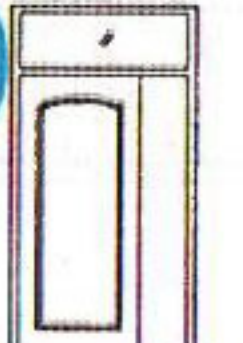
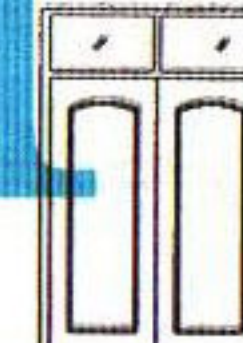
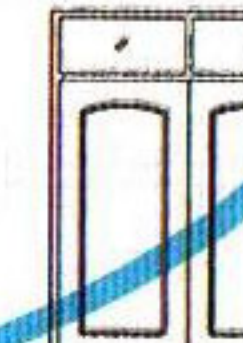
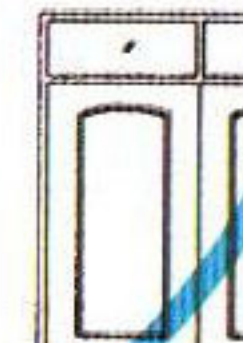
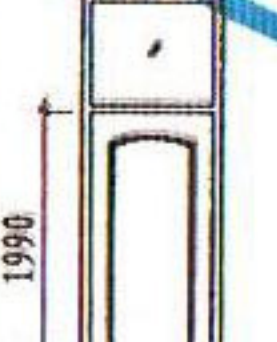
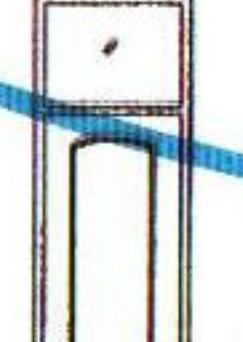
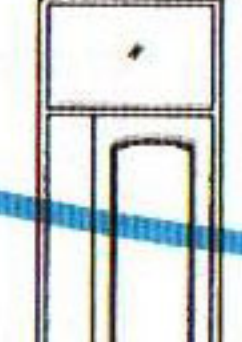
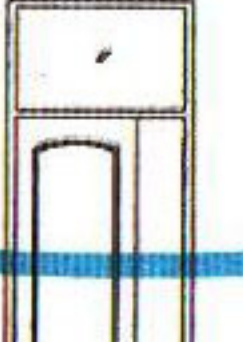
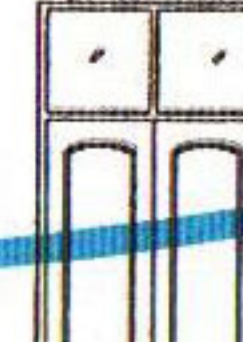
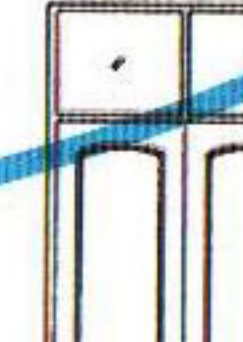
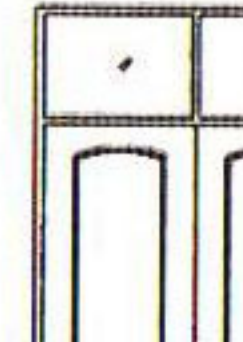
注：大玻璃防火门应采用高强度单片铯钾防火玻璃。

FM2型木夹板防火门选用图



FM2型木夹板防火门详图

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洞口尺寸		900	1000	1200	1200	1500	1800	2100
框口尺寸		880	980	1180	1180	1480	1780	2080
2000	1990	 FM3-1	 FM3-2	 FM3-3	 FM3-4	 FM3-5	 FM3-6	 FM3-7
2100	2090	 FM3-8	 FM3-9	 FM3-10	 FM3-11	 FM3-12	 FM3-13	 FM3-14
2400	2390	 FM3-15	 FM3-16	 FM3-17	 FM3-18	 FM3-19	 FM3-20	 FM3-21
2700	2690	 FM3-22	 FM3-23	 FM3-24	 FM3-25	 FM3-26	 FM3-27	 FM3-28

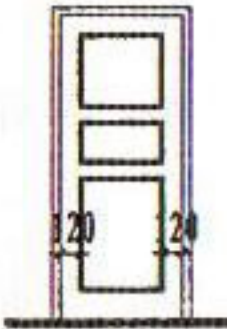
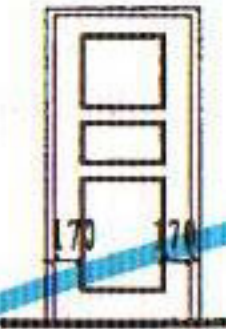

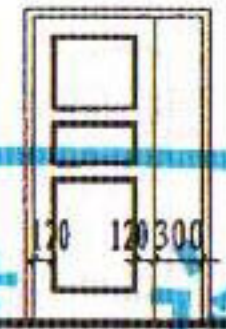
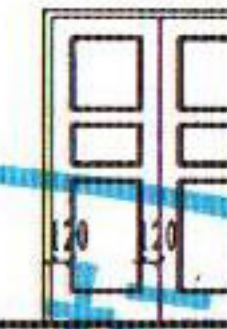
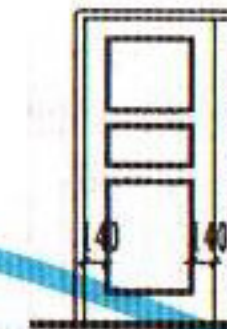
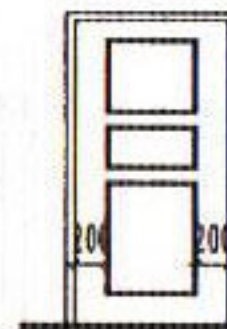
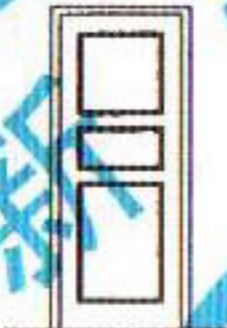
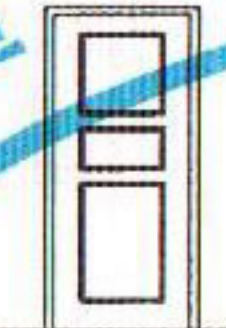
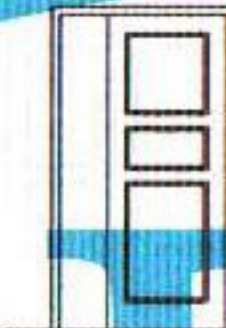
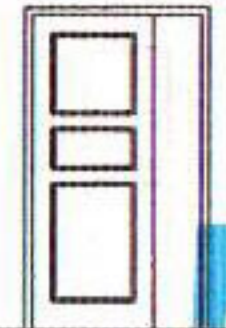



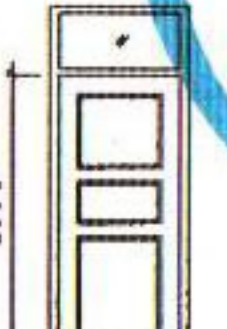
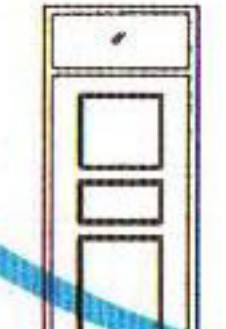
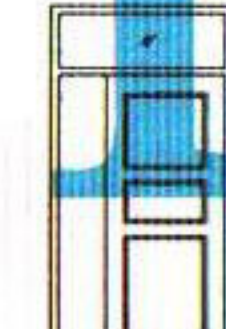
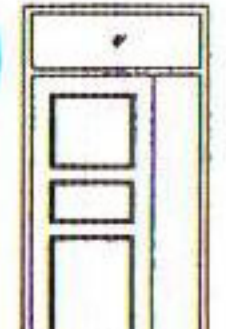

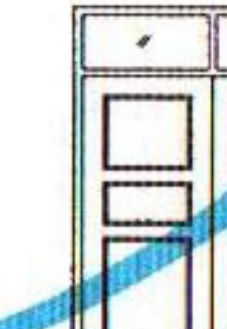
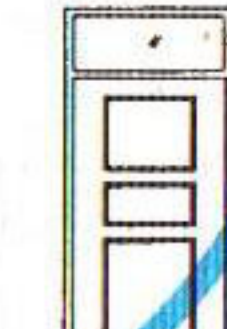
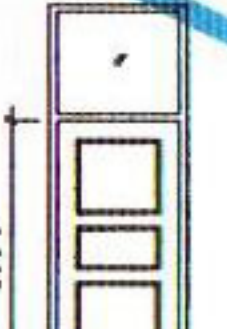
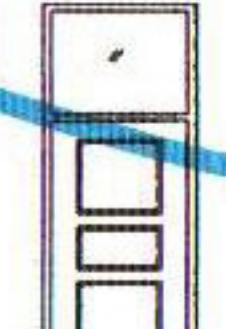
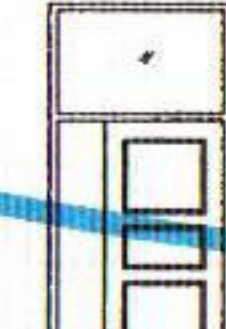
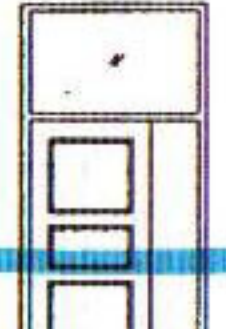
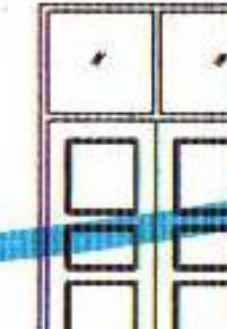
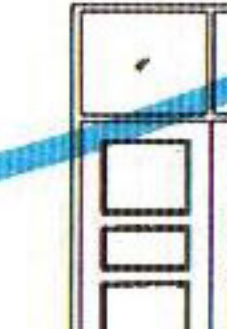
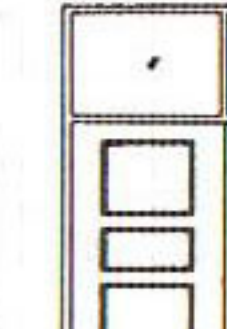
注：FM3门节点与安装详34、35页。

FM3型木夹板装饰防火门选用图

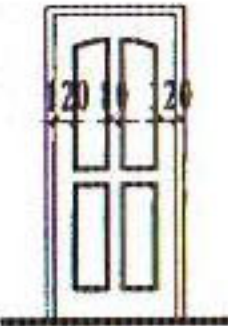
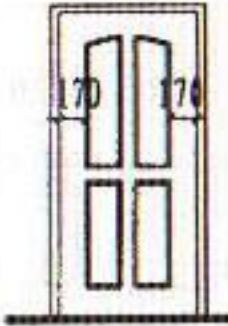

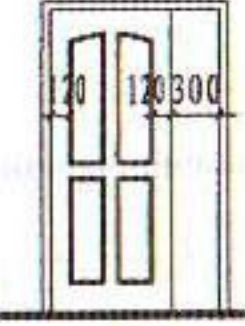
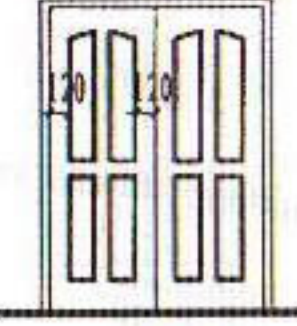
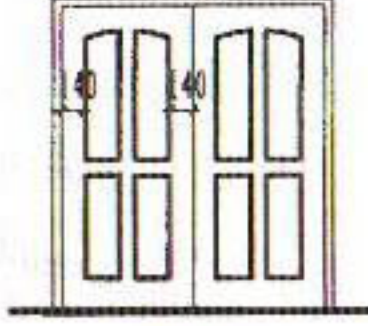
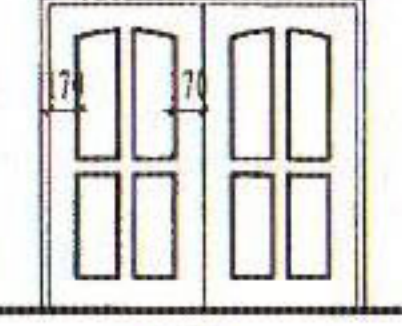
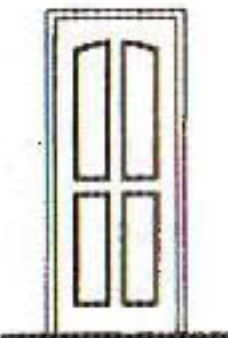
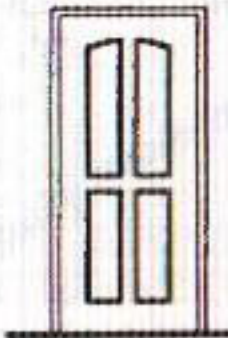

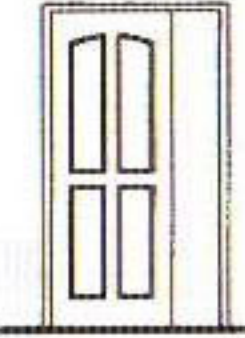
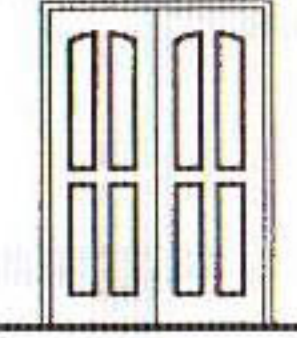
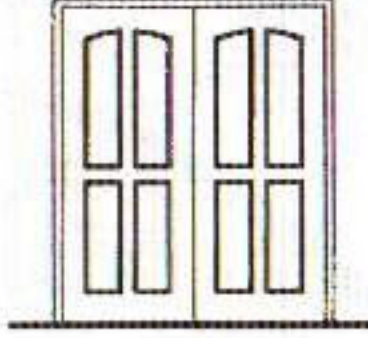
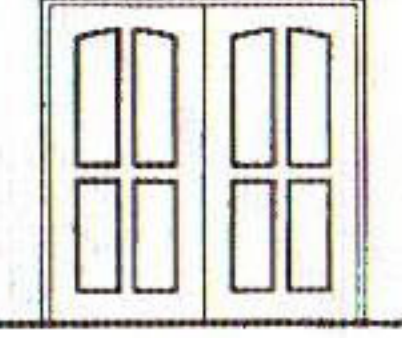
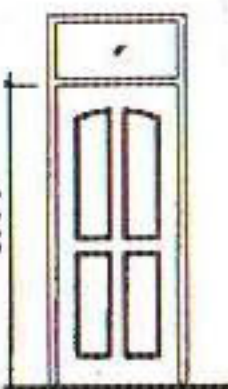
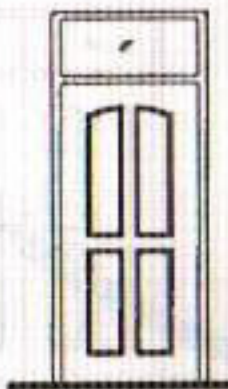
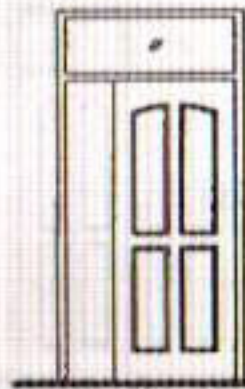
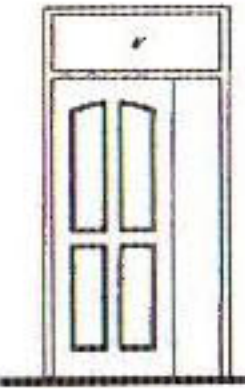
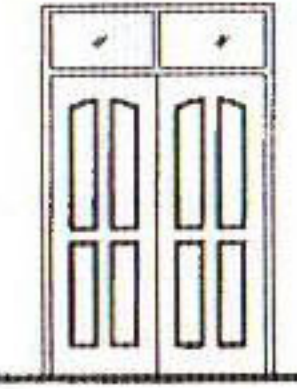
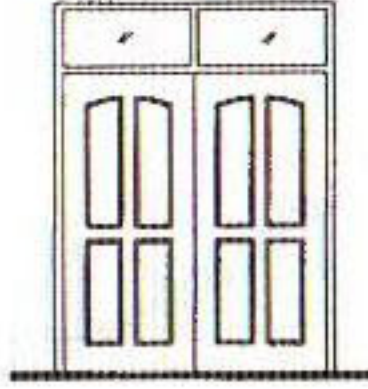
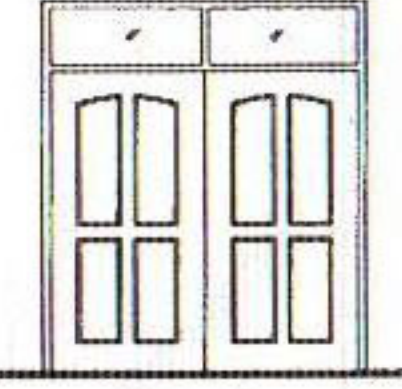
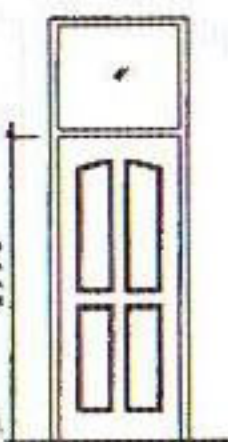
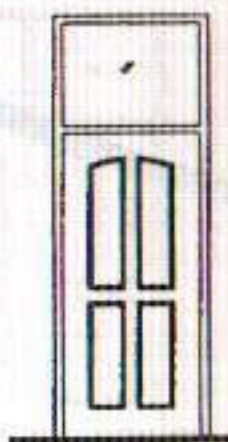
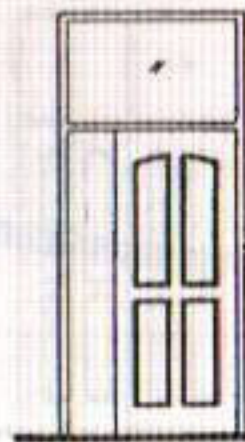
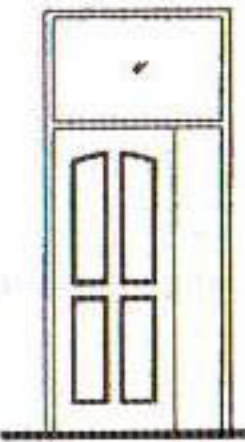
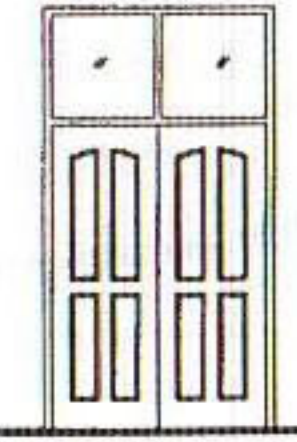
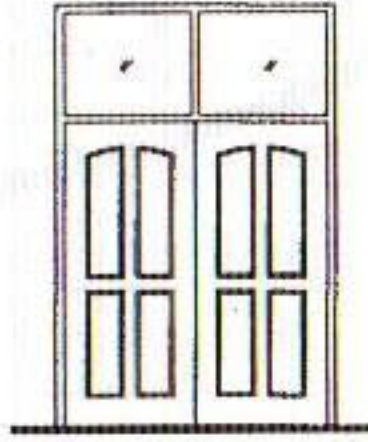
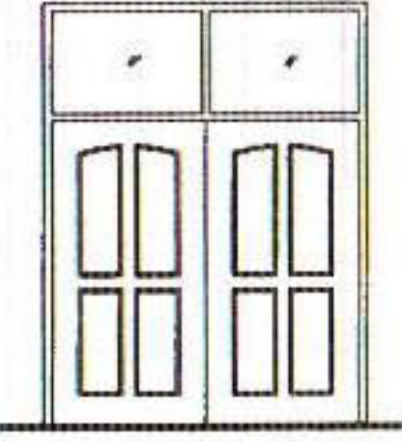
图集号	新04J709
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洞口尺寸		900	1000	1200	1200	1500	1800	2100
洞口尺寸		880	980	1180	1180	1480	1780	2080
2000	1990	 FM3-29	 FM3-30	 FM3-31	 FM3-32	 FM3-33	 FM3-34	 FM3-35
2100	2090	 FM3-36	 FM3-37	 FM3-38	 FM3-39	 FM3-40	 FM3-41	 FM3-42
2400	2390	 FM3-43	 FM3-44	 FM3-45	 FM3-46	 FM3-47	 FM3-48	 FM3-49
2700	2690	 FM3-50	 FM3-51	 FM3-52	 FM3-53	 FM3-54	 FM3-55	 FM3-56

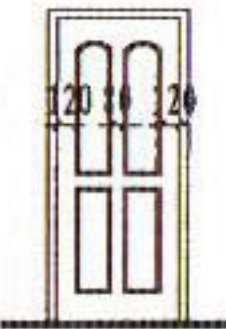
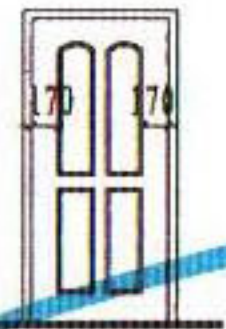
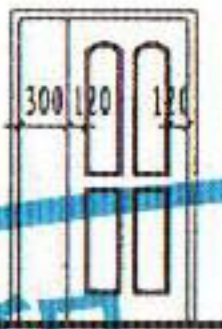
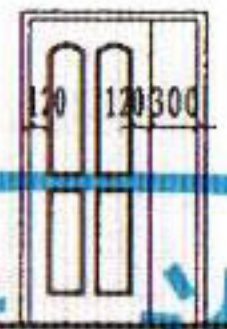
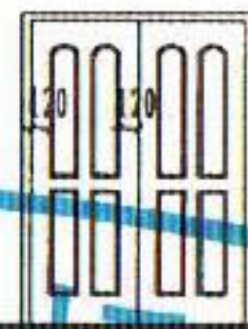
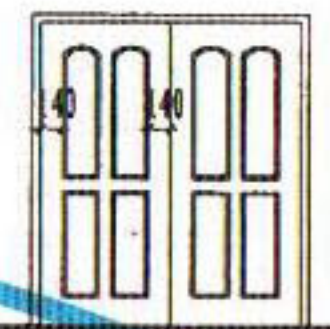
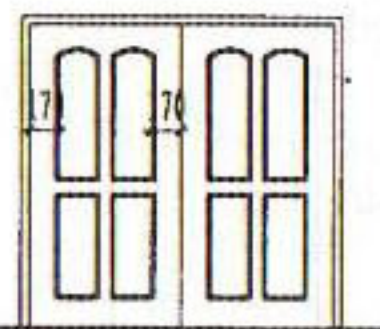

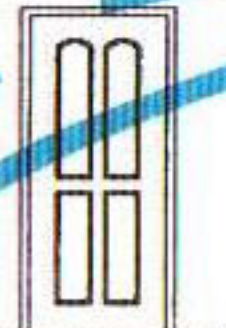

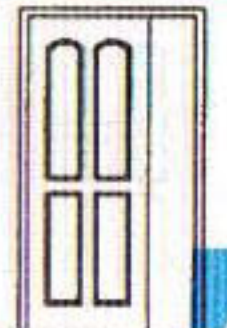


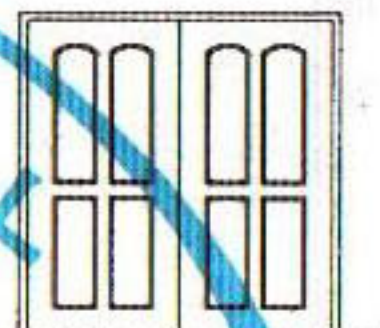
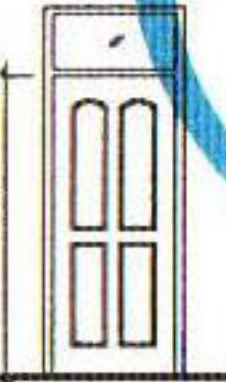

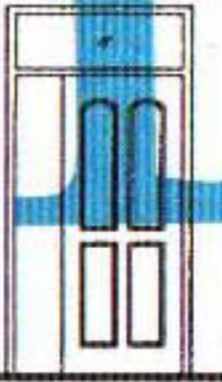
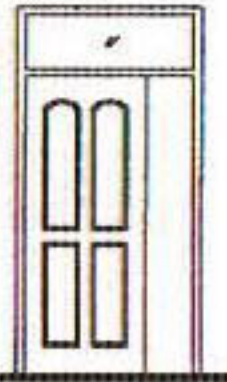
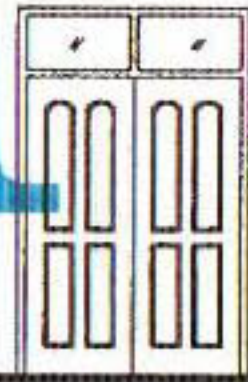
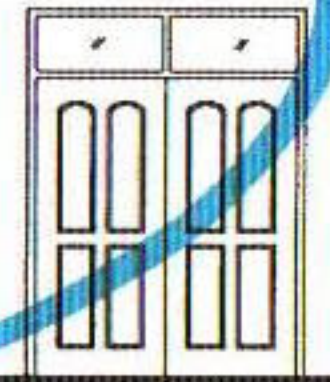
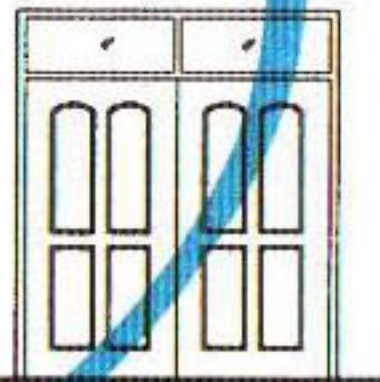
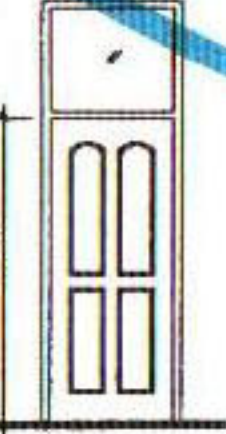
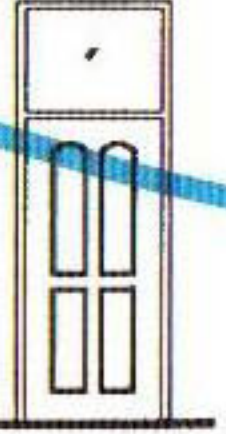
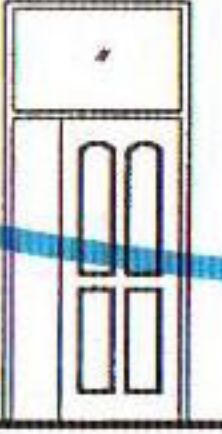
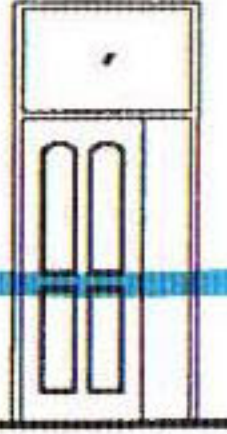
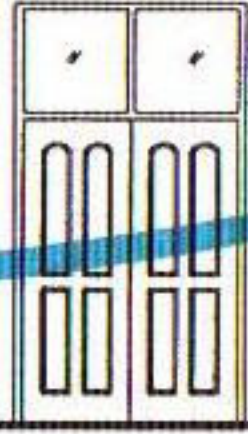
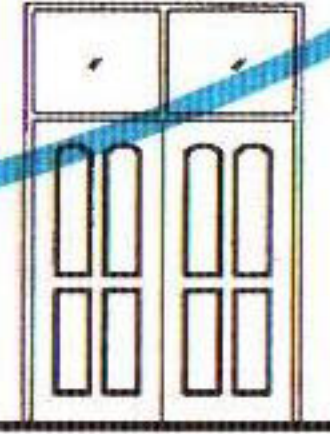
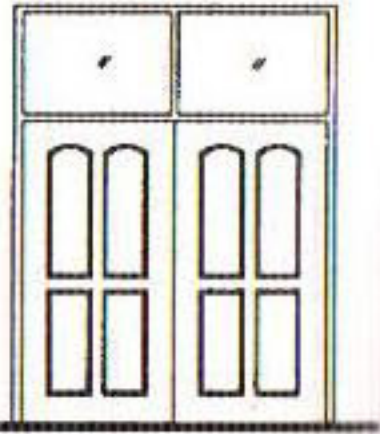
FM3型木夹板装饰防火门选用图

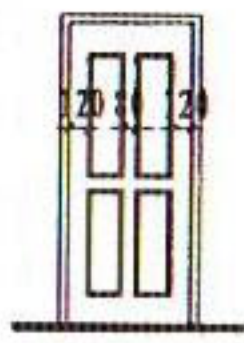
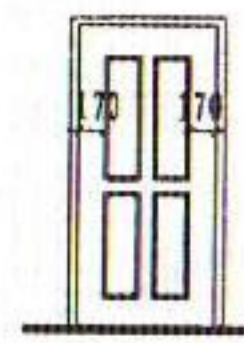
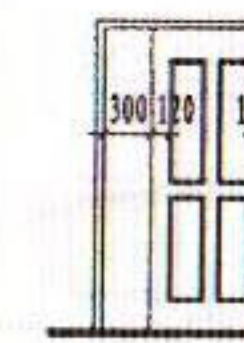
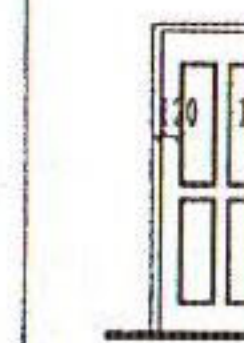
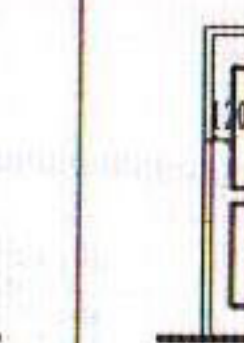
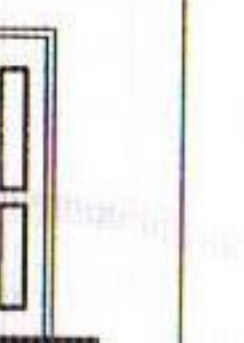
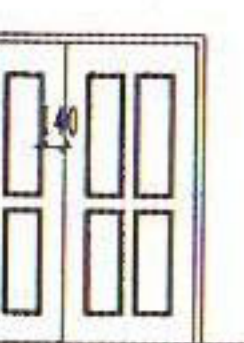
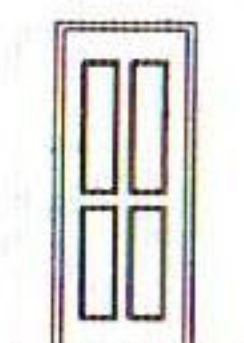
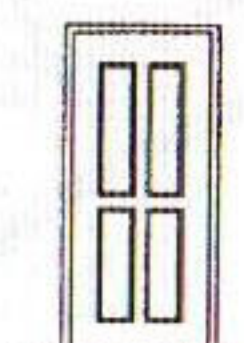
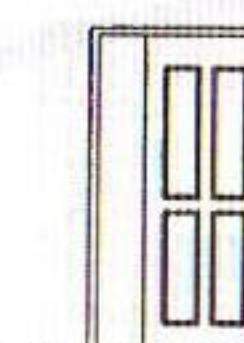
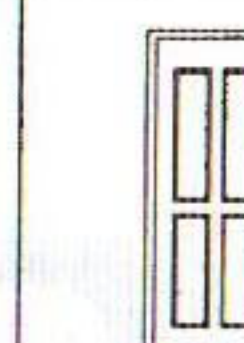
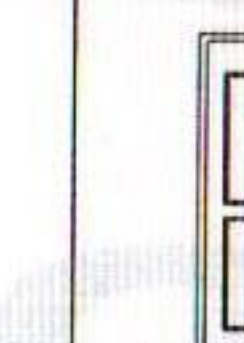
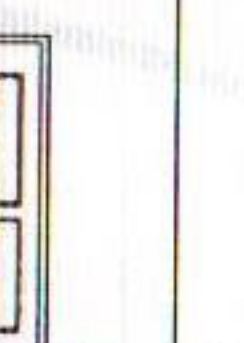
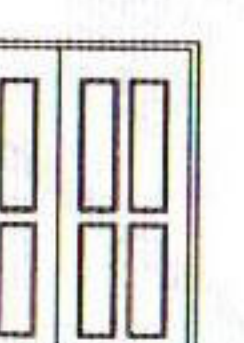
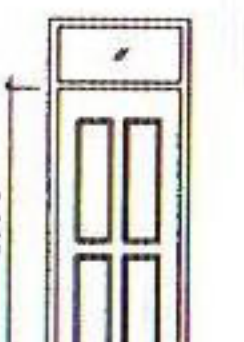
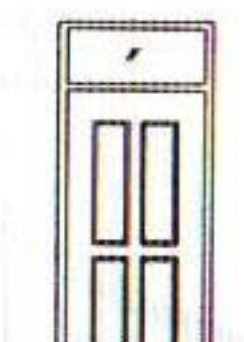
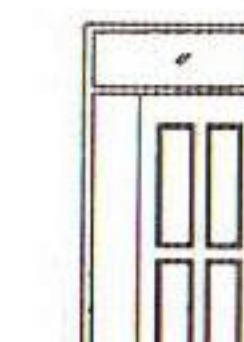
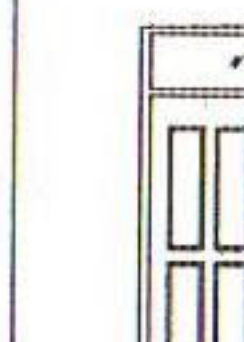
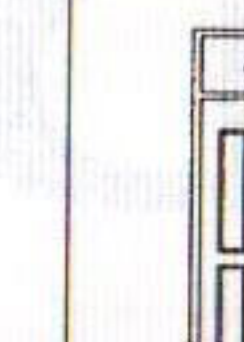
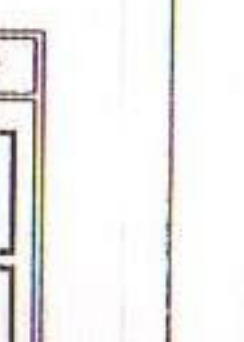
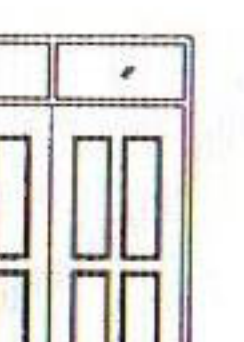
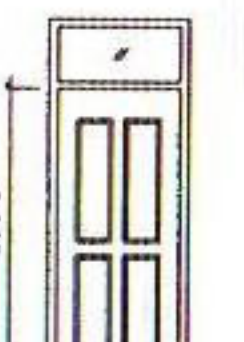
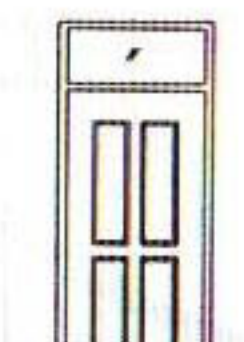
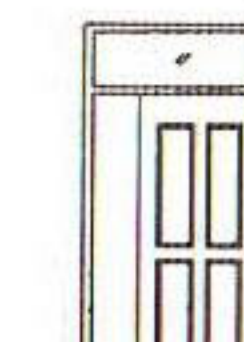
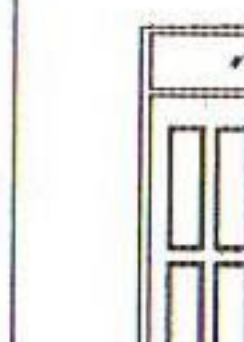
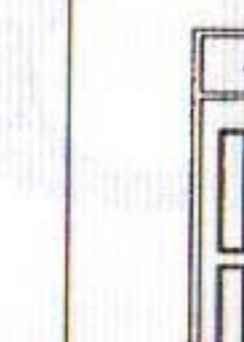
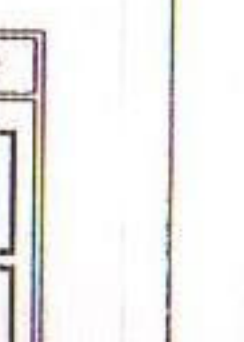
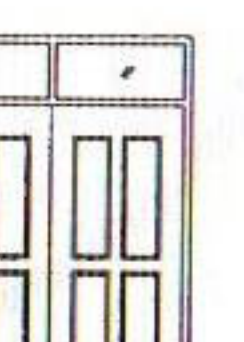
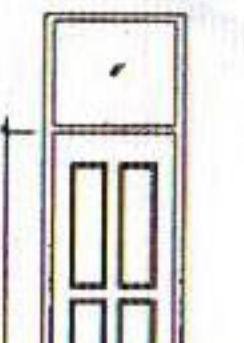
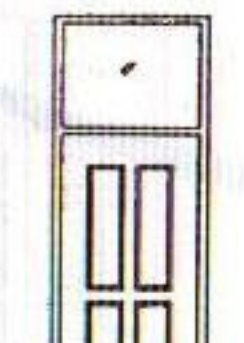
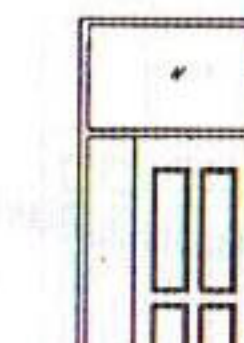
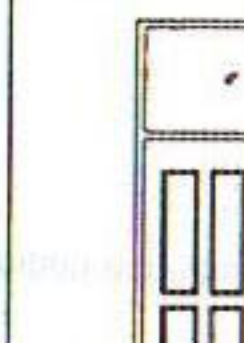
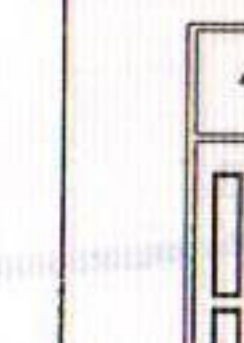

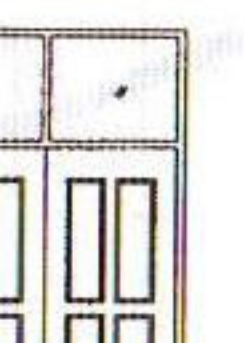
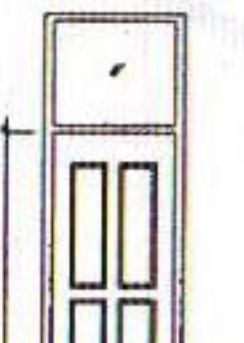
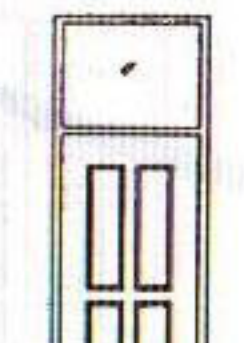
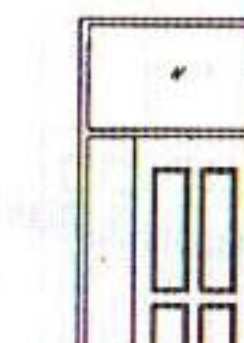
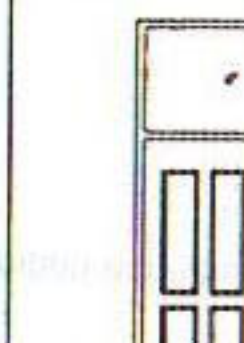
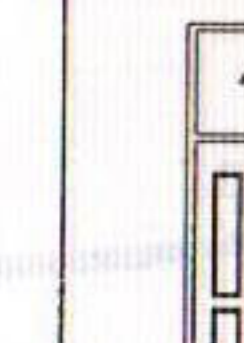

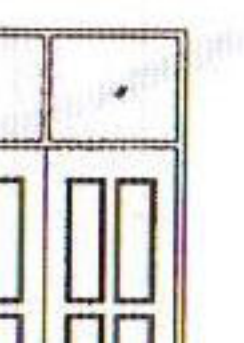
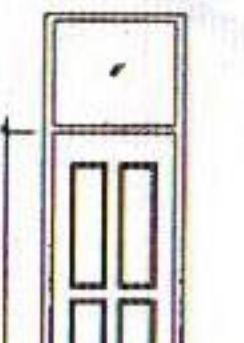
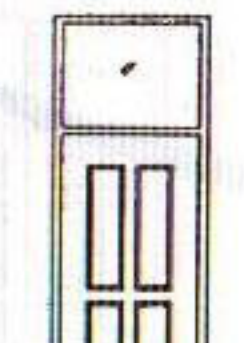
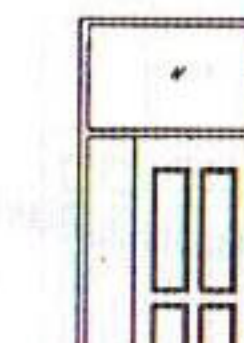
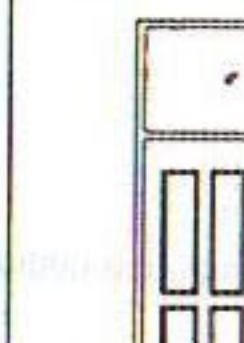
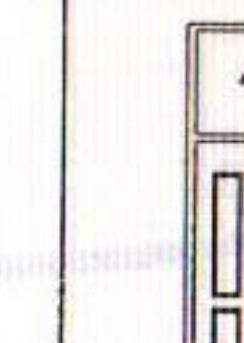

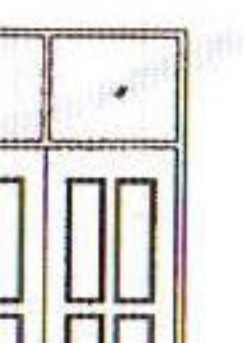
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框口尺寸		880	980	1180	1180	1480	1780	2080
2000	1990	 FM3-57	 FM3-58	 FM3-59	 FM3-60	 FM3-61	 FM3-62	 FM3-63
2100	2090	 FM3-64	 FM3-65	 FM3-66	 FM3-67	 FM3-68	 FM3-69	 FM3-70
2400	2390	 FM3-71	 FM3-72	 FM3-73	 FM3-74	 FM3-75	 FM3-76	 FM3-77
2700	2690	 FM3-78	 FM3-79	 FM3-80	 FM3-81	 FM3-82	 FM3-83	 FM3-84

FM3型木夹板装饰防火门选用图

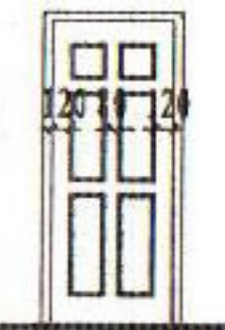
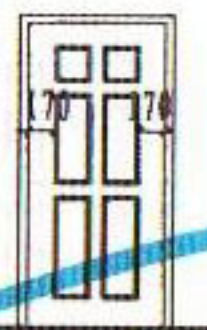
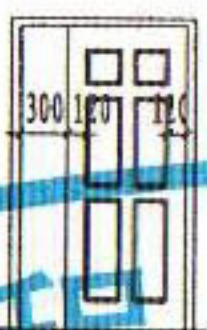
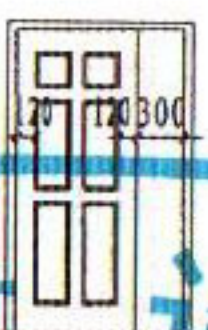
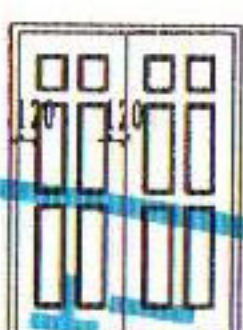
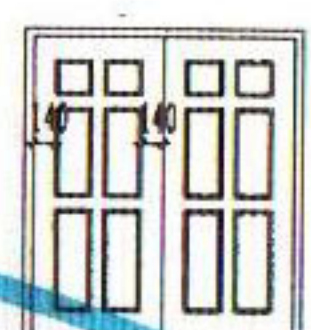
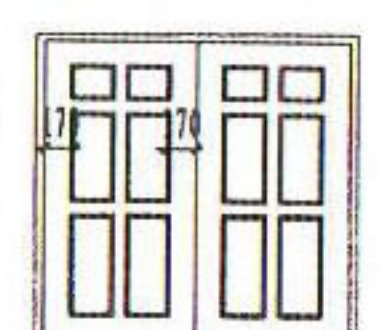
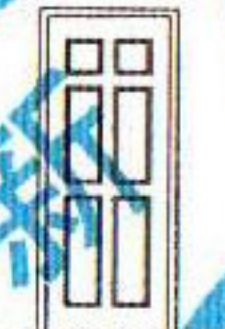
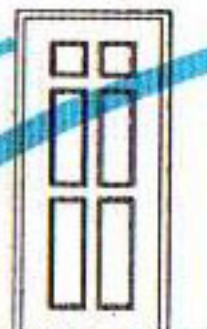
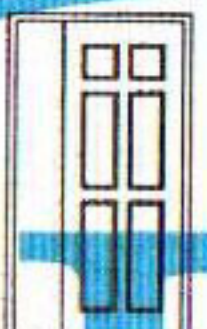

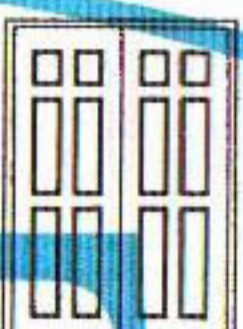

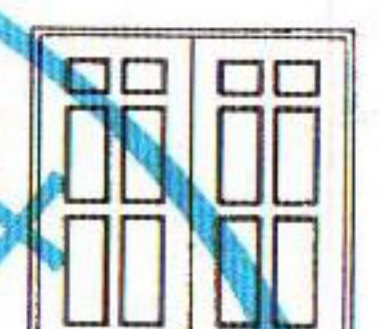
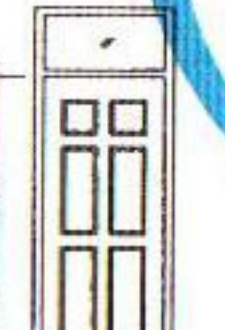
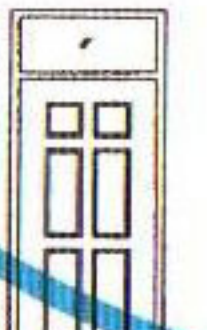
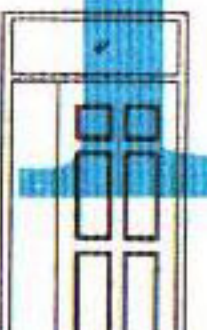
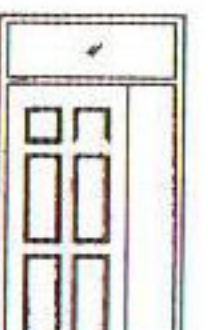
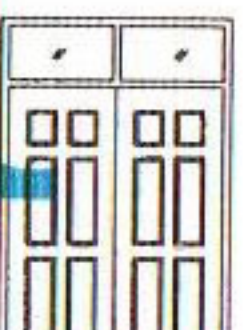
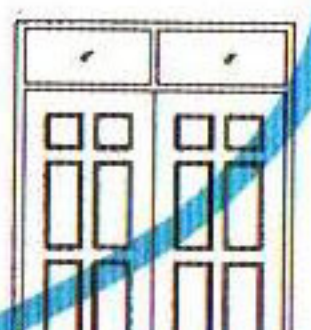
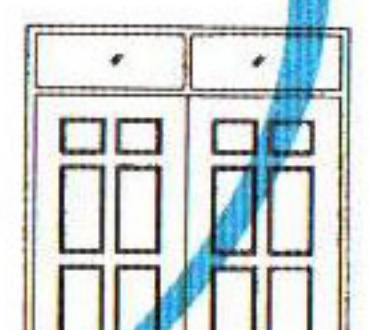
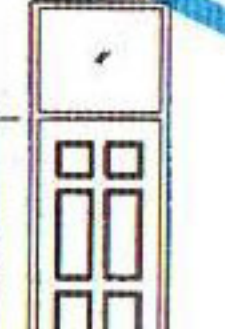
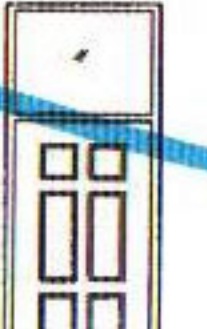
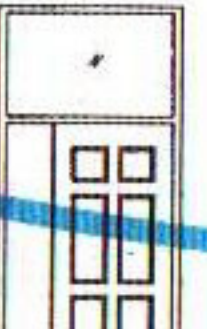
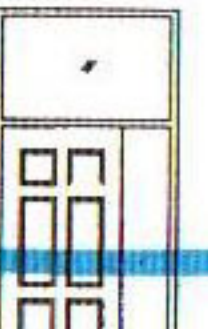
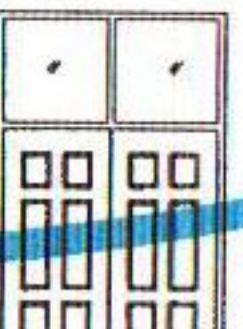
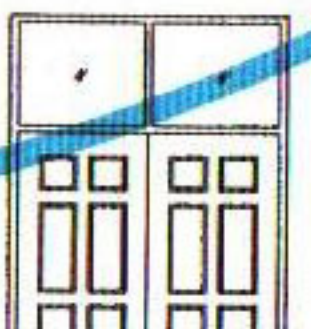
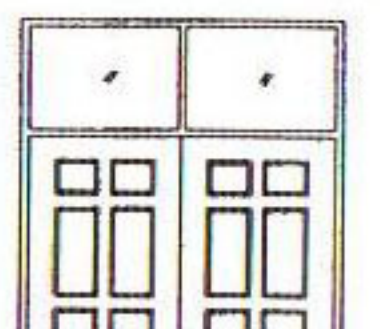
洞口尺寸		800	1000	1200	1200	1500	1800	2100
框口尺寸		880	980	1180	1180	1480	1780	2080
2000	1990							
		FM3-85	FM3-86	FM3-87	FM3-88	FM3-89	FM3-90	FM3-91
2100	2090							
		FM3-92	FM3-93	FM3-94	FM3-95	FM3-96	FM3-97	FM3-98
2400	2390							
		FM3-99	FM3-100	FM3-101	FM3-102	FM3-103	FM3-104	FM3-105
2700	2690							
		FM3-106	FM3-107	FM3-108	FM3-109	FM3-110	FM3-111	FM3-112

FM3型木夹板装饰防火门选用图

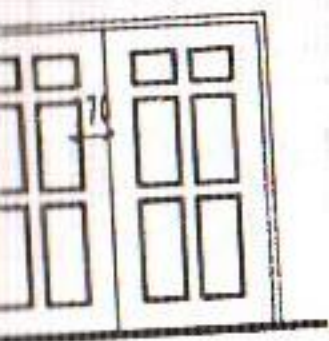
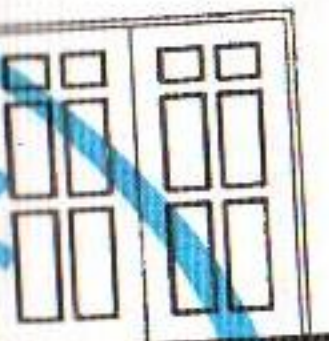
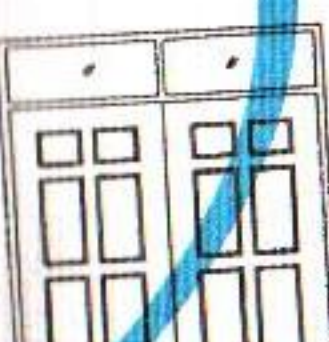
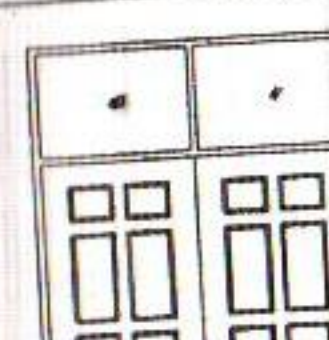
		900	1000	1200	1200	1500	1800	2100
		880	980	1180	1180	1480	1780	2080
洞口尺寸	2000							
	1990	FM3-113	FM3-114	FM3-115	FM3-116	FM3-117	FM3-118	FM3-119
2100	2090							
	2090	FM3-120	FM3-121	FM3-122	FM3-123	FM3-124	FM3-125	FM3-126
2400	2390							
	2390	FM3-127	FM3-128	FM3-129	FM3-130	FM3-131	FM3-132	FM3-133
2700	2690							
	2690	FM3-134	FM3-135	FM3-136	FM3-137	FM3-138	FM3-139	FM3-140
FM3型木夹板装饰防火门选用图						图集号 新04J709		
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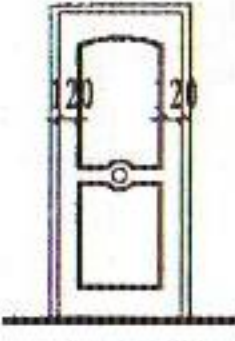
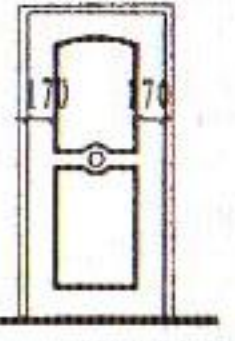
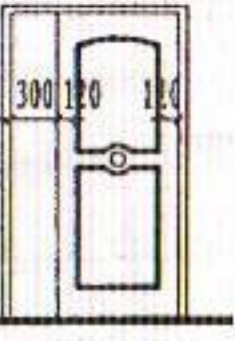
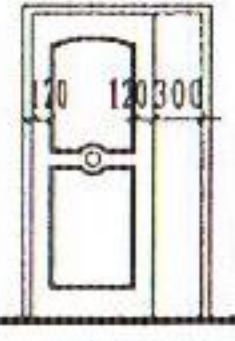
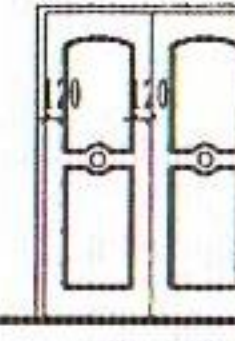
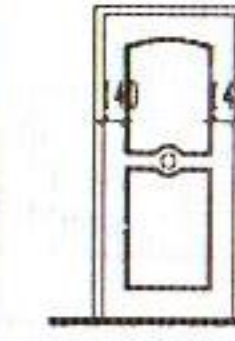
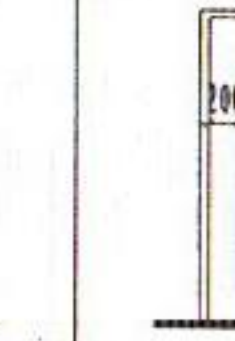
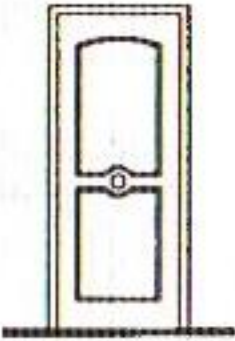
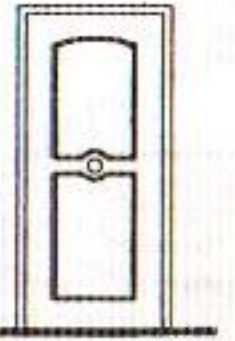
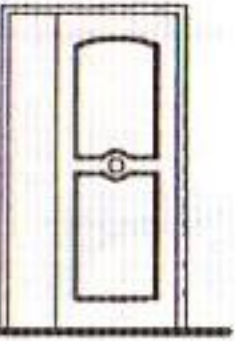
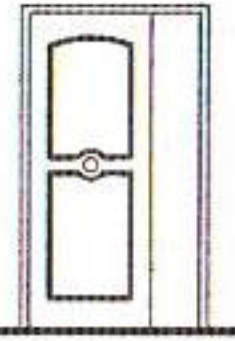
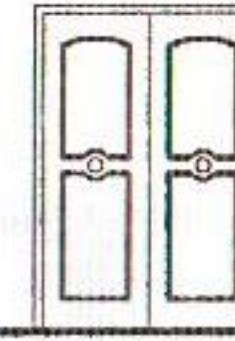
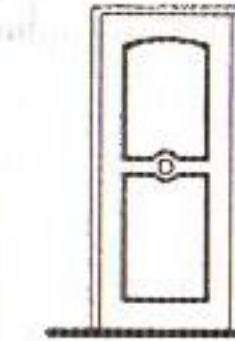
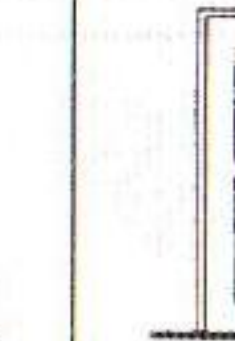
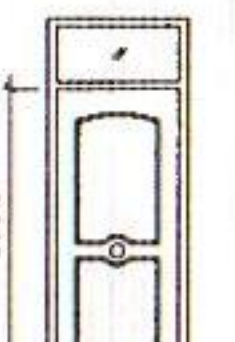
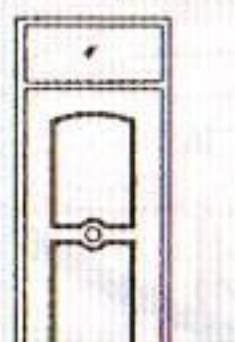
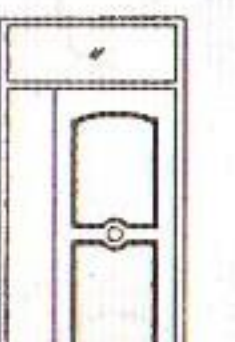
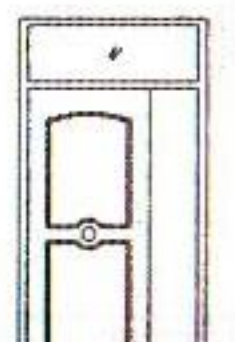
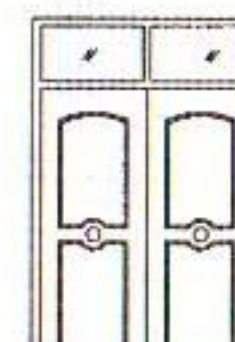
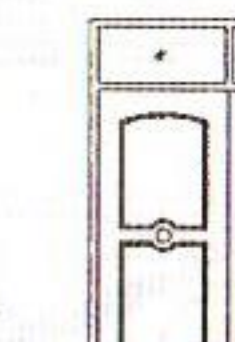
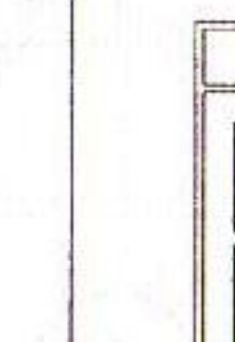
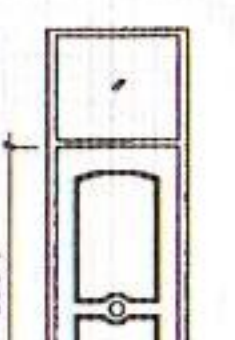
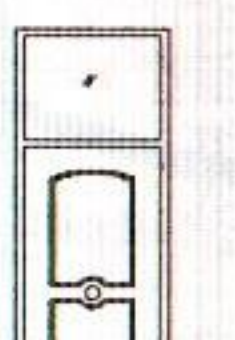
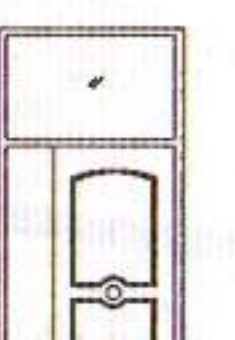
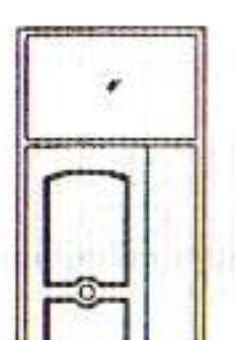
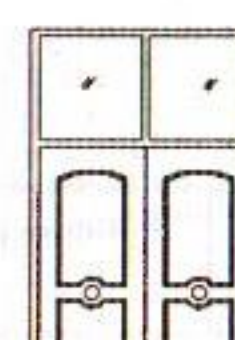
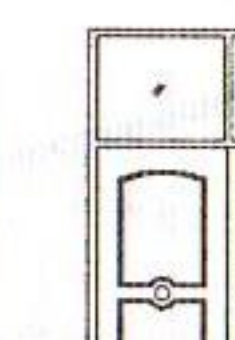
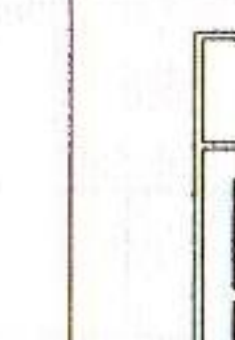
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2000	框口尺寸	1990	1990	1990	1990	1990	1990	1990
		880	980	1180	1180	1480	1780	2080
								
		FM3-141	FM3-142	FM3-143	FM3-144	FM3-145	FM3-146	FM3-147
2100	2090							
		FM3-148	FM3-149	FM3-150	FM3-151	FM3-152	FM3-153	FM3-154
								
		FM3-155	FM3-156	FM3-157	FM3-158	FM3-159	FM3-160	FM3-161
2400	2390							
		FM3-155	FM3-156	FM3-157	FM3-158	FM3-159	FM3-160	FM3-161
								
		FM3-162	FM3-163	FM3-164	FM3-165	FM3-166	FM3-167	FM3-168
2700	2690							
		FM3-162	FM3-163	FM3-164	FM3-165	FM3-166	FM3-167	FM3-168
								
		FM3-162	FM3-163	FM3-164	FM3-165	FM3-166	FM3-167	FM3-168

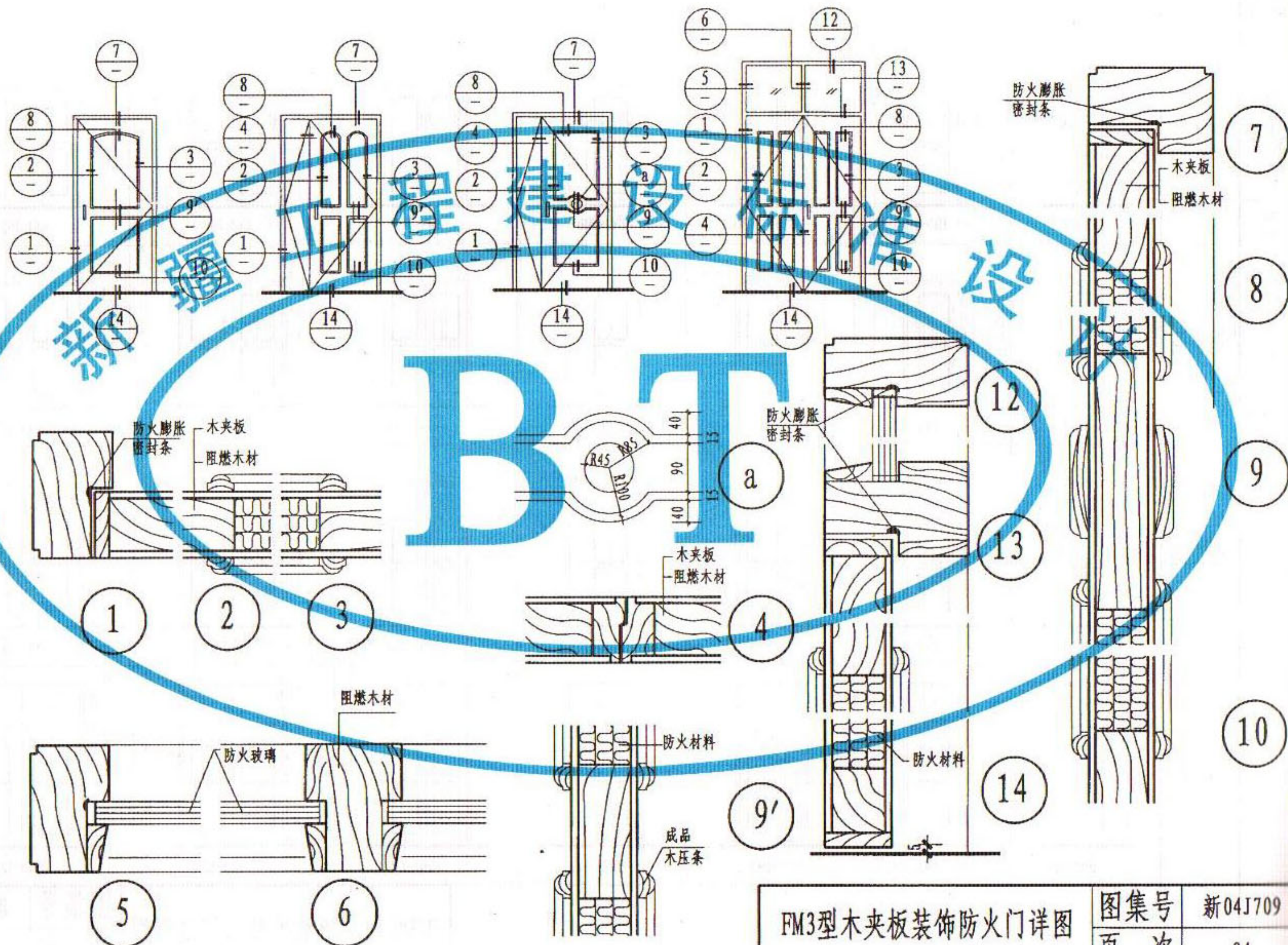
FM3型木夹板装饰防火门选用图

洞口尺寸		1000	1200	1200	1500	1800	2100	
框口尺寸		880	980	1180	1180	1480	2080	
2000	1990	 FM3-169	 FM3-170	 FM3-171	 FM3-172	 FM3-173	 FM3-174	 FM3-175
2100	2090	 FM3-176	 FM3-177	 FM3-178	 FM3-179	 FM3-180	 FM3-181	 FM3-182
2400	2390	 FM3-183	 FM3-184	 FM3-185	 FM3-186	 FM3-187	 FM3-188	 FM3-189
2700	2690	 FM3-190	 FM3-191	 FM3-192	 FM3-193	 FM3-194	 FM3-195	 FM3-196

FM3型木夹板装饰防火门选用图

2100	2080
	
FM3-175	FM3-182
	
FM3-189	FM3-196
图集号 新04J709	页次 32

<div> <div>审核</div> <div>张世忠</div> <div>张恒业</div> <div>校对</div> <div>张麓</div> <div>张麓</div> <div>设计</div> <div>王仁尧</div> <div>制图</div> <div>刘湘燕</div> <div>审核</div> <div>刘湘燕</div> </div>	洞口尺寸	900	1000	1200	1200	1500	1800	2100
	框口尺寸	880	980	1180	1180	1480	1780	2080
	2000							
	1990	FM3-197	FM3-198	FM3-199	FM3-200	FM3-201	FM3-202	FM3-203
2100	2090							
		FM3-104	FM3-105	FM3-106	FM3-107	FM3-108	FM3-109	FM3-110
2400	2390							
	1990	FM3-111	FM3-112	FM3-113	FM3-114	FM3-115	FM3-116	FM3-117
2700	2690							
	1990	FM3-118	FM3-119	FM3-120	FM3-121	FM3-122	FM3-123	FM3-124
FM3型木夹板装饰防火门选用图						图集号 新04J709	页次 33	

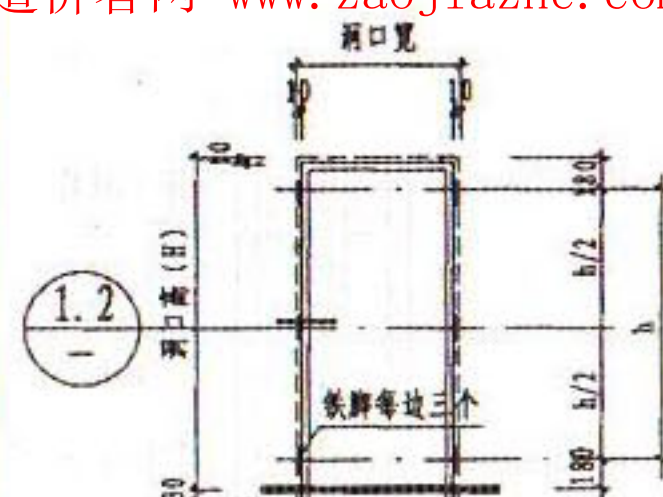


FM3型木夹板装饰防火门详图

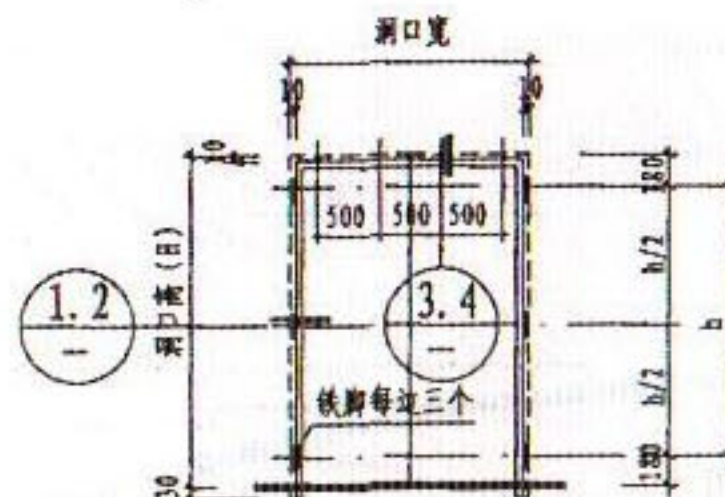
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新 04J709

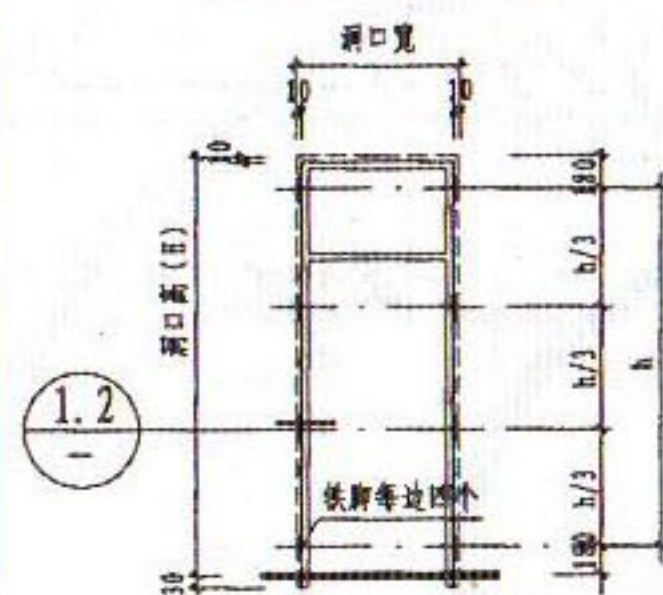
34



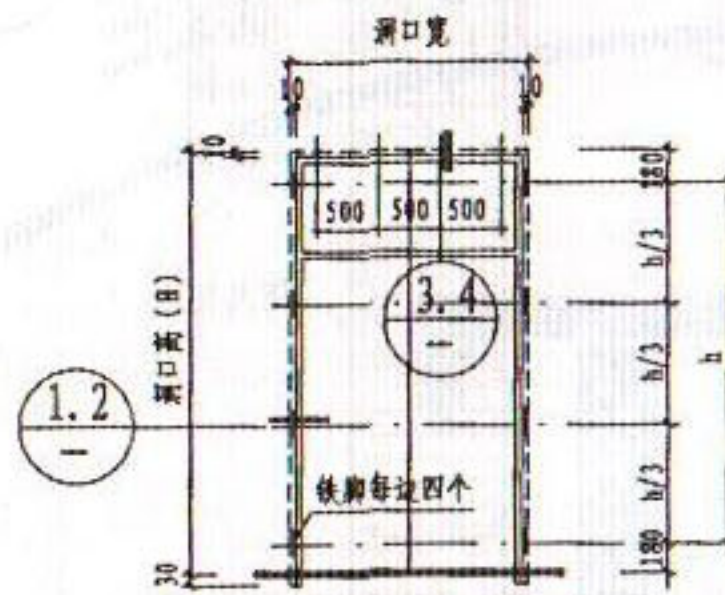
单扇门立口缝隙及铁脚连接位置立面



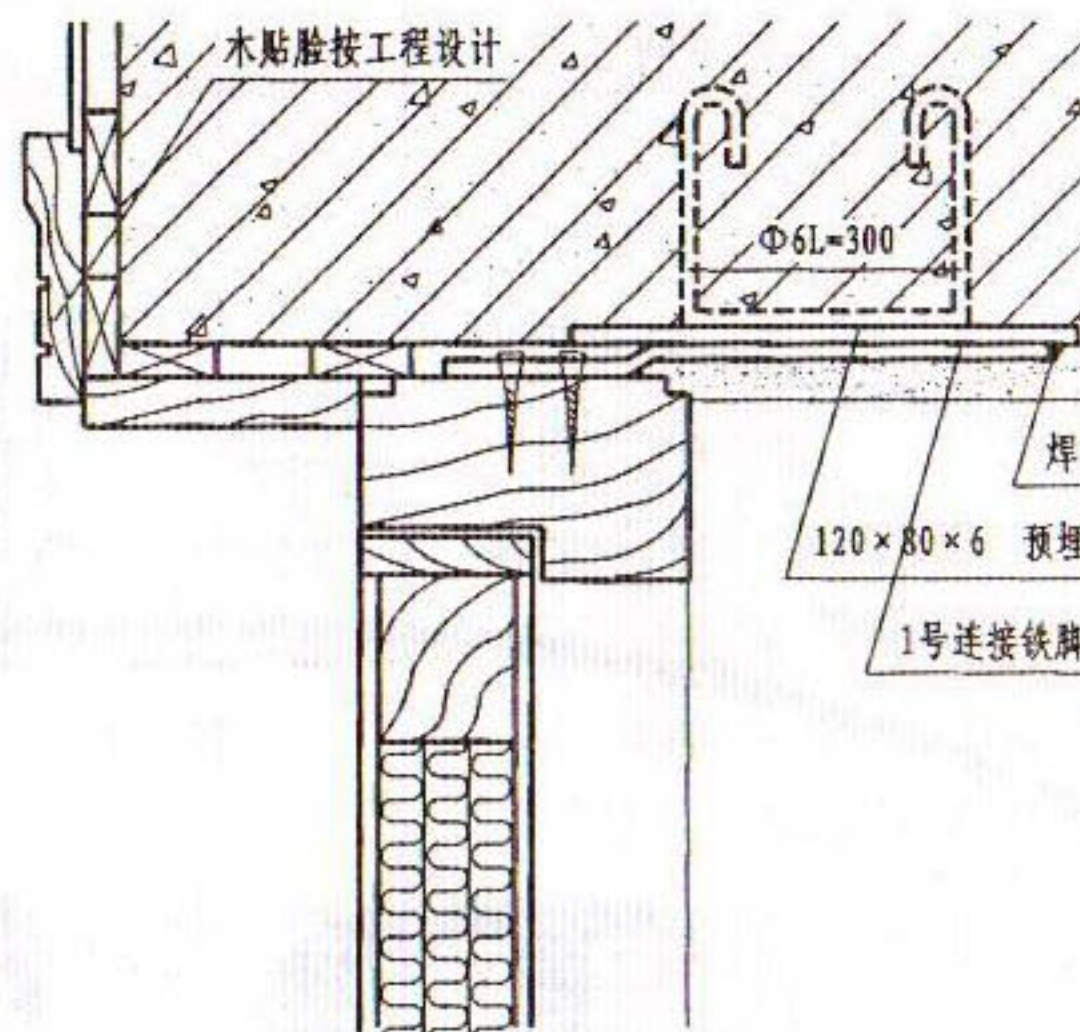
双扇门立口缝隙及铁脚连接位置立面



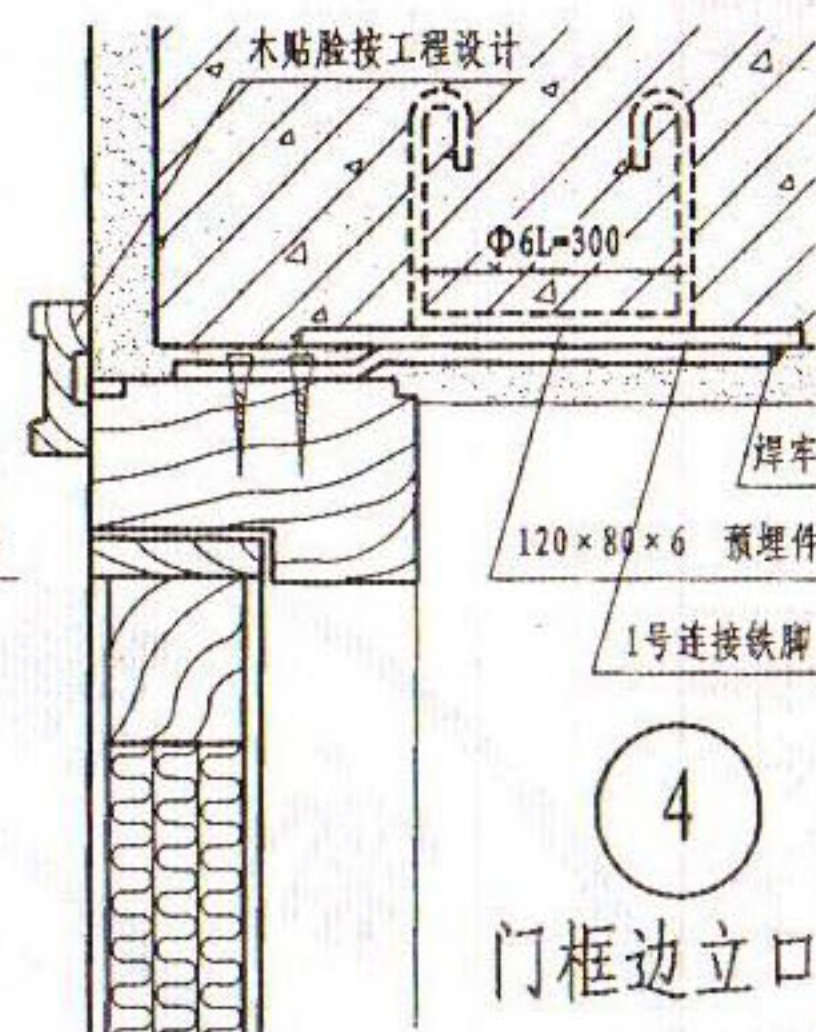
带亮门立口缝隙及铁脚连接位置立面



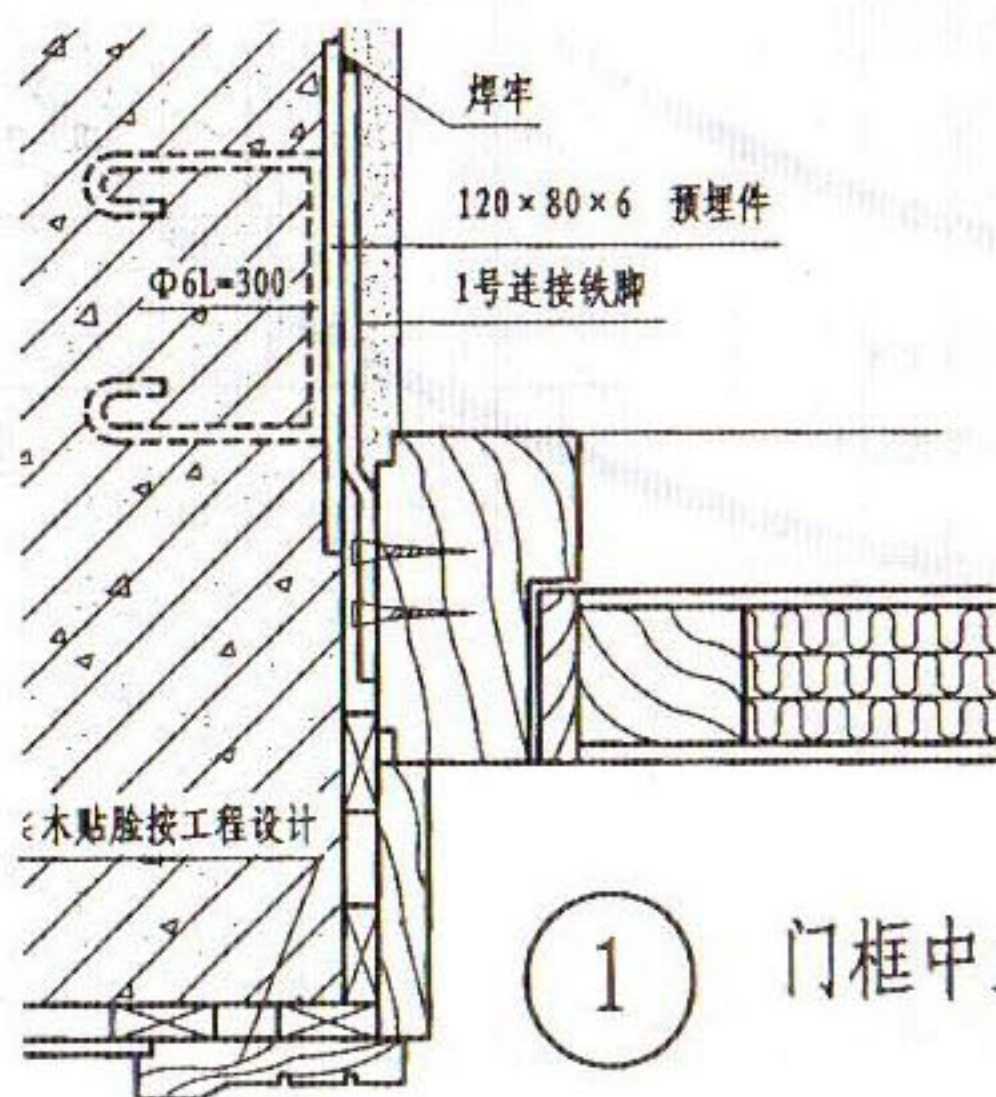
带亮门立口缝隙及铁脚连接位置立面



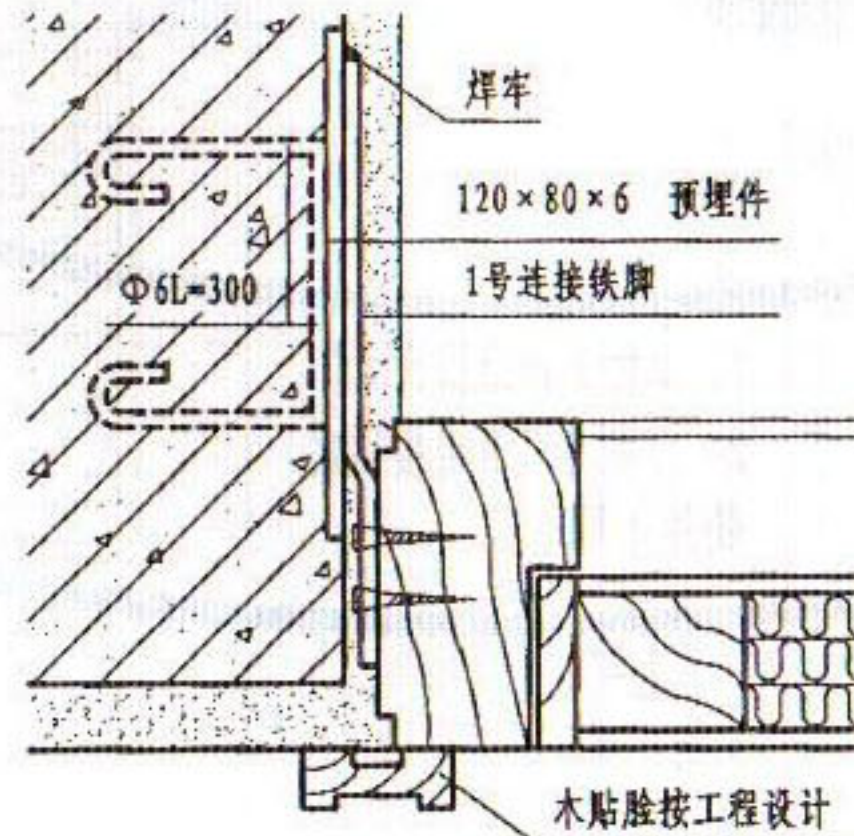
3 门框中立口



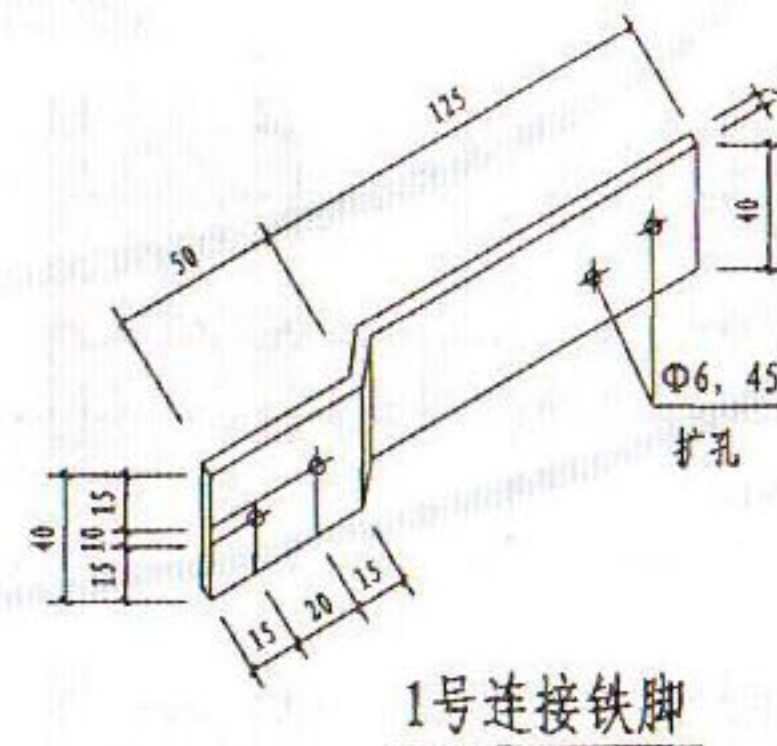
4 门框边立口



1 门框中立口



2 门框边立口



注:

- 1、木压条、木贴脸、筒子板的规格及线型由设计自定。
- 2、位于底层及潮湿房间门洞口筒子板内的墙基面应加做涂料防潮。
- 3、适用墙体。
 - a、钢筋混凝土墙;
 - b、混凝土空心砌墙(门两侧的空心砌块用混凝土填实)或作钢筋混凝土构造柱;
 - c、砖墙;
 - d、其它轻型防火墙(两侧作钢筋混凝土构造柱)。

600

580

框口尺寸

2000

1990

2100

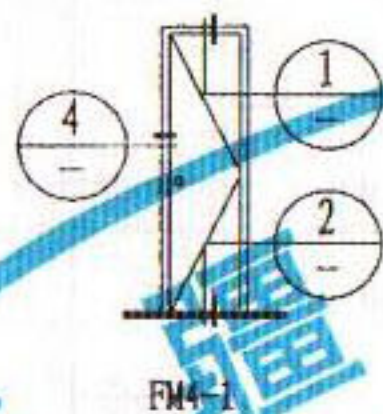
2090

1400

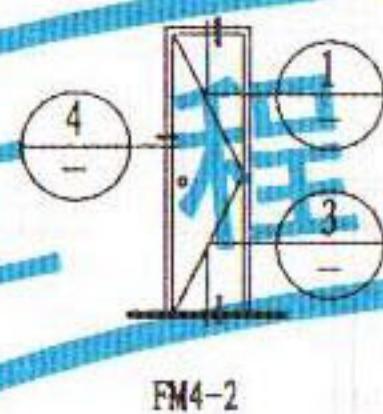
1390

1500

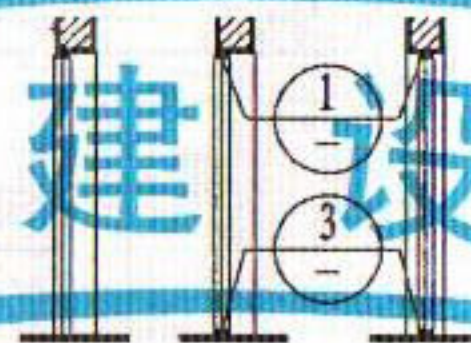
1490



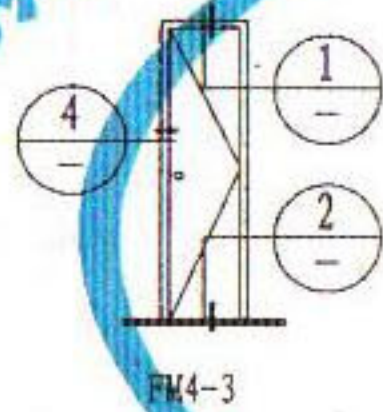
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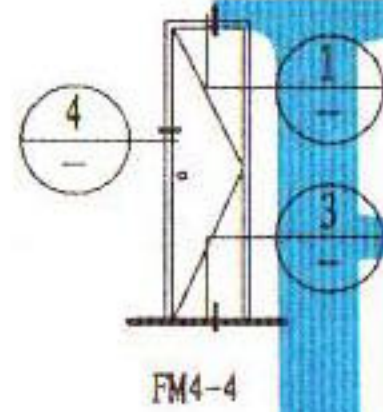
FM4-2



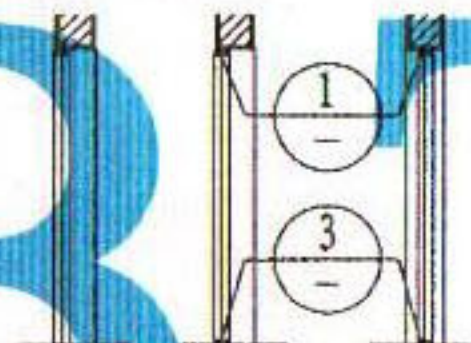
剖面



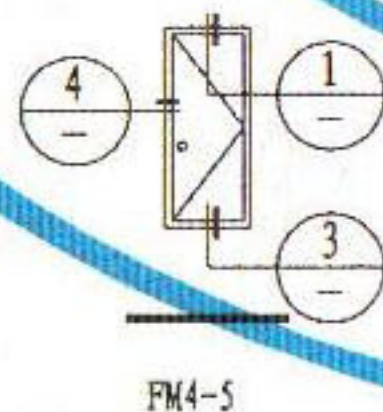
FM4-3



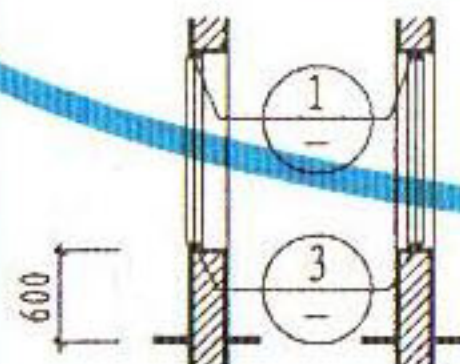
FM4-4



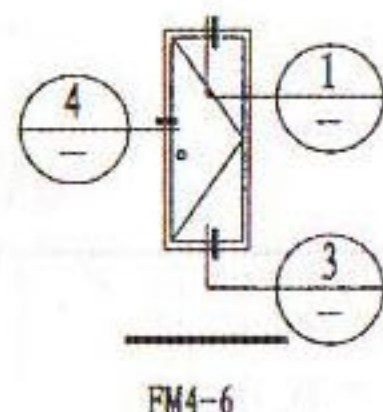
剖面



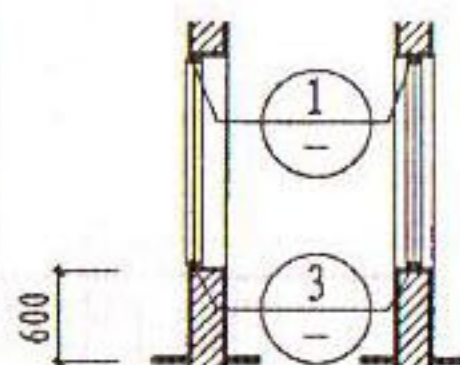
FM4-5



剖面



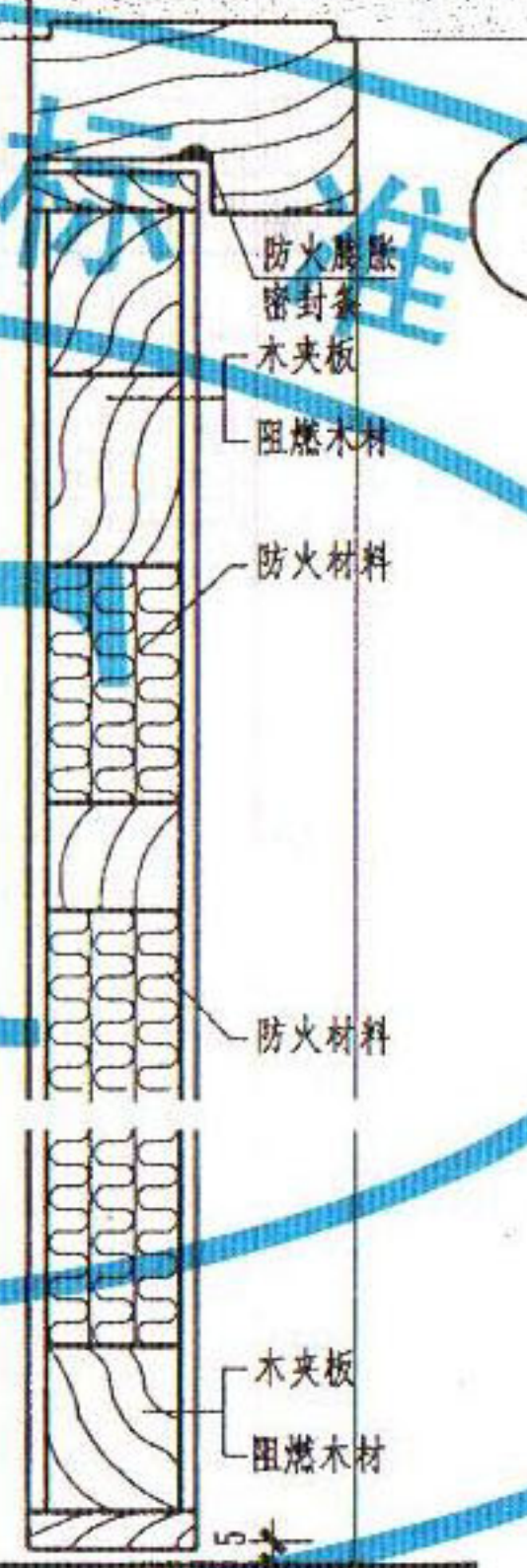
FM4-6



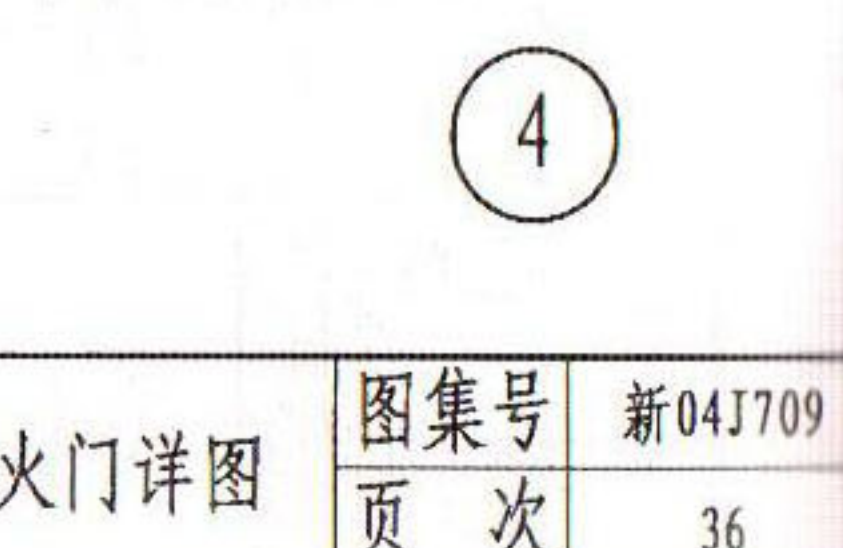
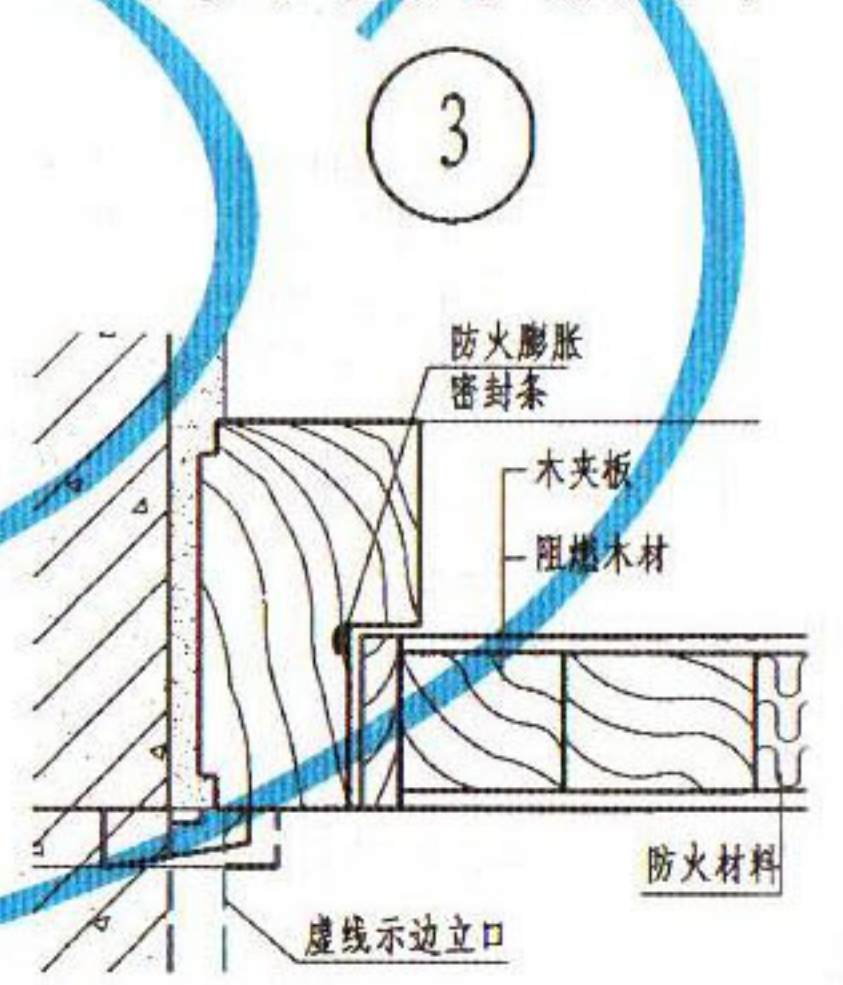
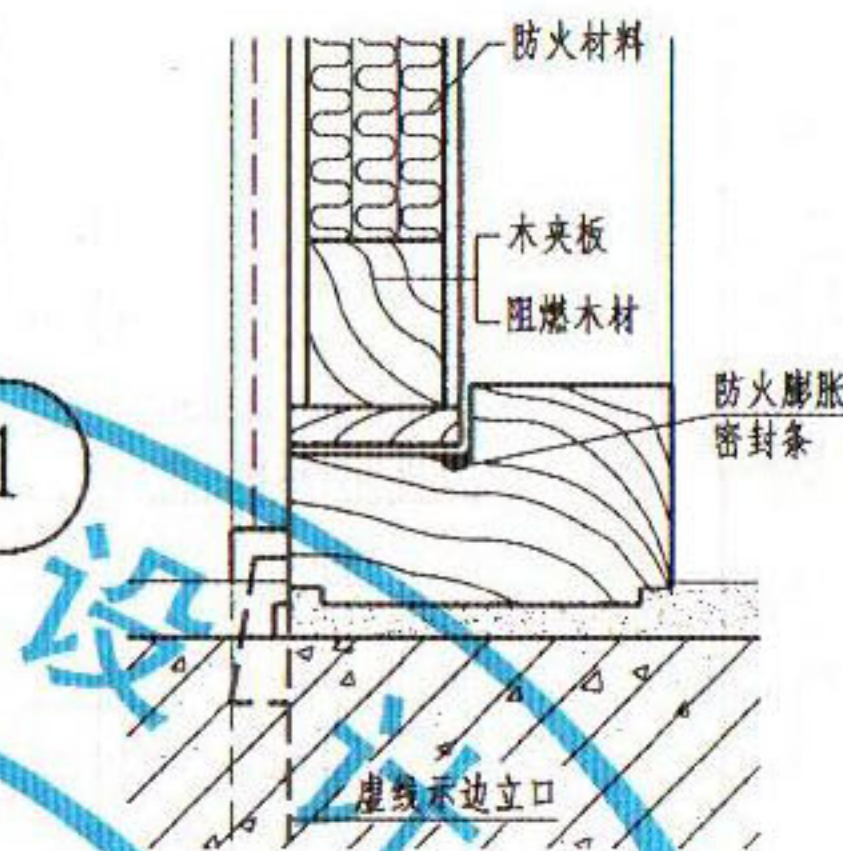
剖面

注:

- 1、本图为丙级防火木门。
- 2、门框与门洞连接固定铁件详见35页。



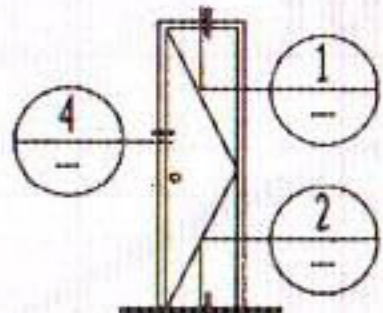
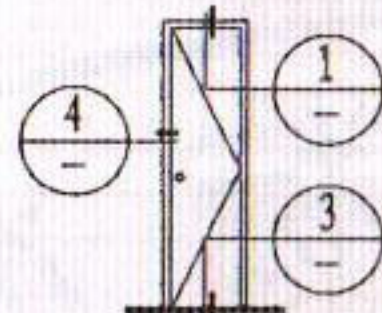
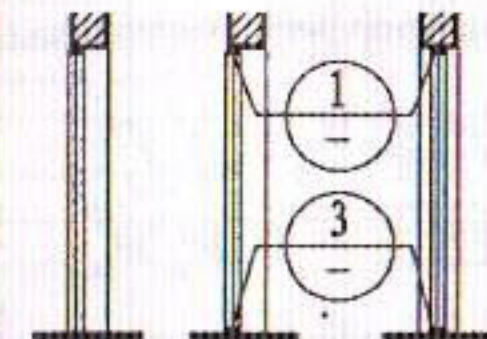
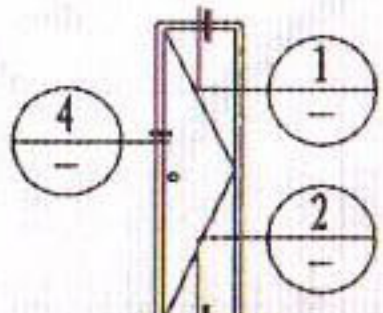
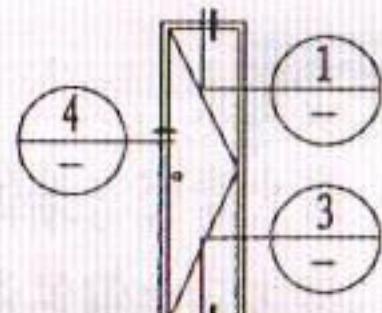
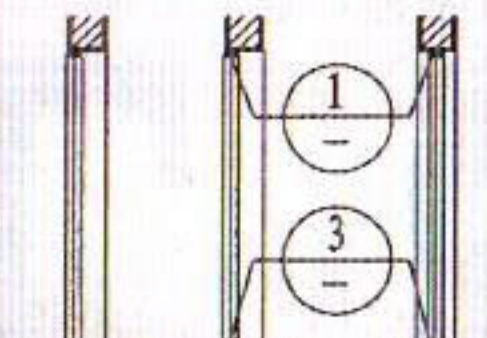
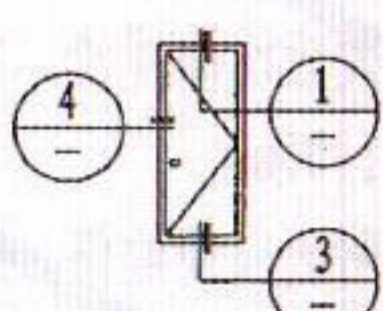
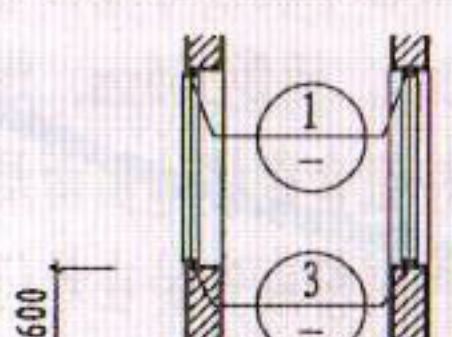
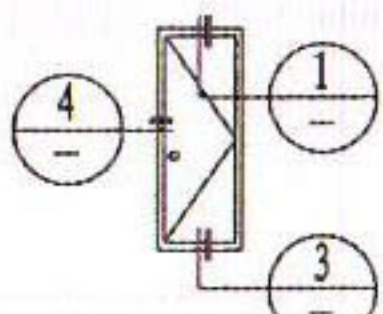
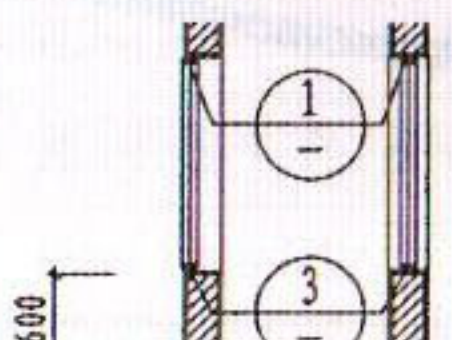
楼地面

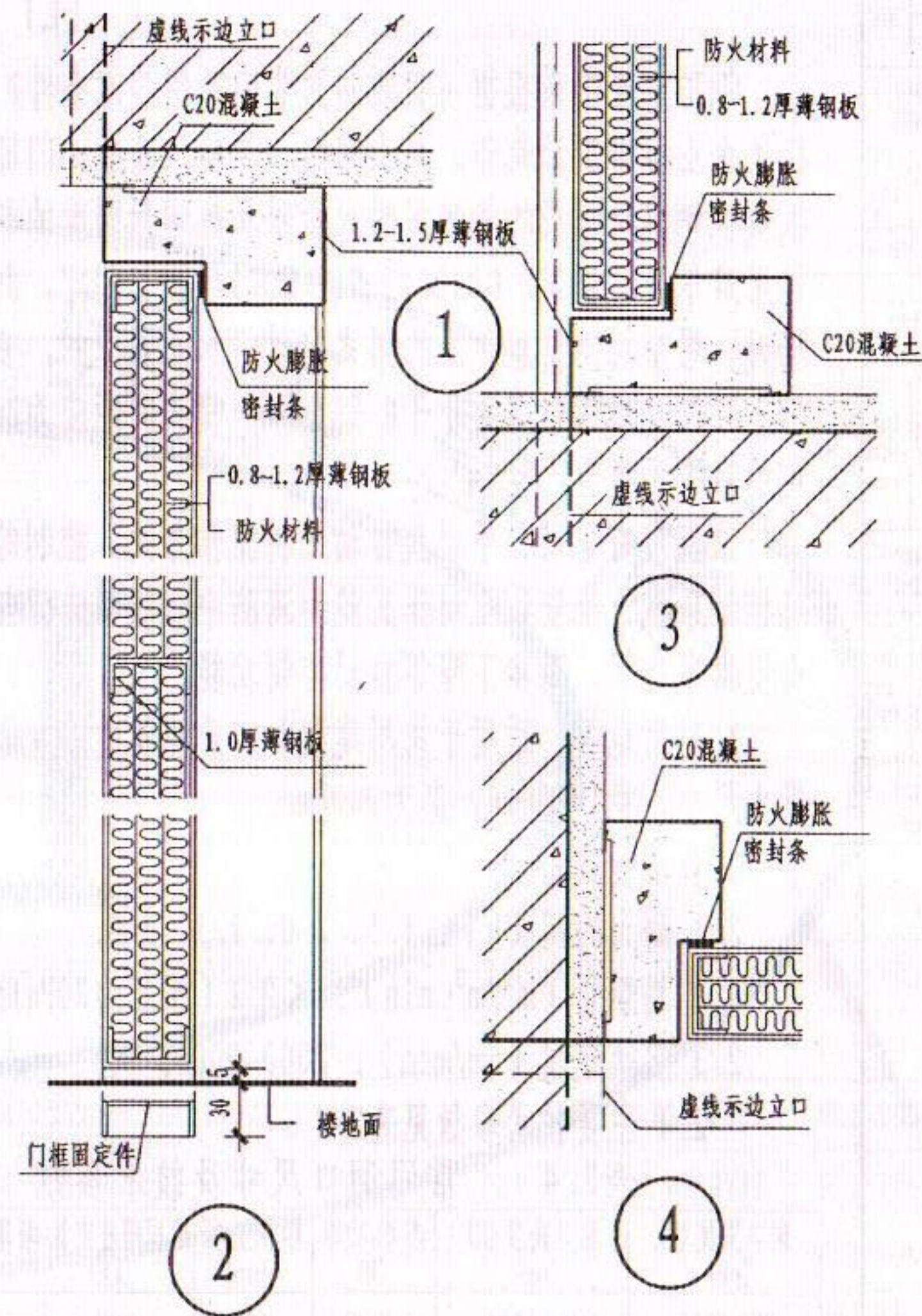


FM4管道井木防火门详图

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洞口尺寸		600		
框口尺寸		580		
2000	1990	 FM5-1	 FM5-2	 剖面
2100	2090	 FM5-3	 FM5-4	 剖面
1400	1390	 FM5-5	 剖面	
1500	1490	 FM5-6	 剖面	注: 1、本图为丙级钢防火门。 2、门框与门洞连接固定铁件详见18页。



FM5管道井钢防火门详图

FL1 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($m^3/m^2 \cdot min$): ≤ 0.2 (压差为20Pa时)。

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) (mm)	洞口高度(H) (mm)	卷机功率 (W)	卷轴直径 (mm)	卷帘箱总重量 (kg)	箱罩高度 (mm)	箱罩宽度 (mm)
$W \leq 3600$	$W \leq 3600$	250	140	600	500	600
$3600 < W \leq 4800$	$3600 < W \leq 3900$	370	140	700	550	650
$4800 < W \leq 6000$	$3900 < W \leq 4500$	550	165	800	650	800
$6000 < W \leq 9000$	$4500 < W \leq 5100$	750	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膨胀螺栓连接。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。

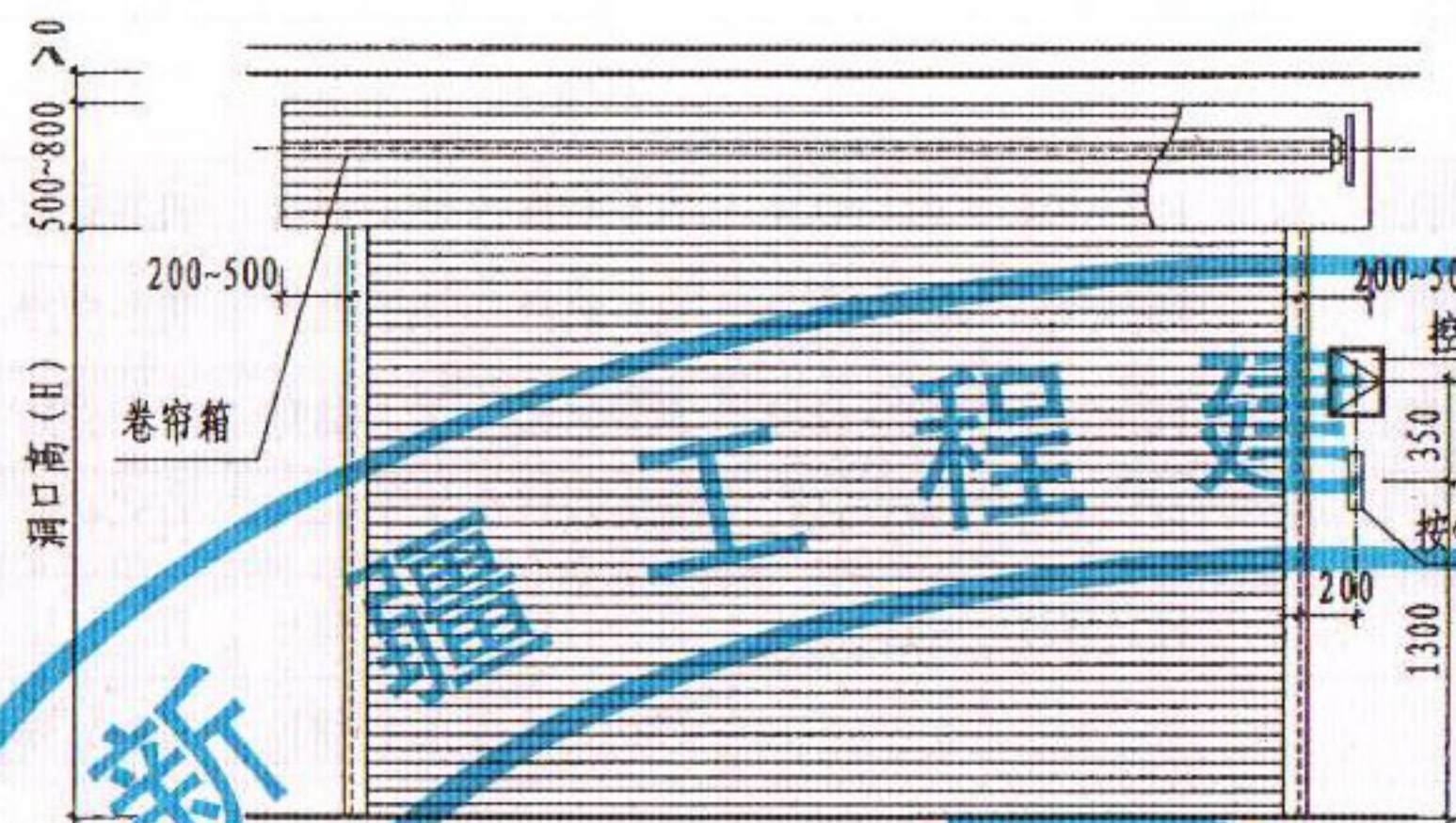
FL1 钢 防 火 卷 帘 选 用 表

H \ W	2100	2400	2700	3000	3300	3600	3900	4200	4500	4800	5100	5400
2400	FL1-2124	FL1-2424	FL1-2724	FL1-3024	FL1-3324	FL1-3624	FL1-3924	FL1-4224	FL1-4524	FL1-4824	FL1-5124	FL1-5424
2700	FL1-2127	FL1-2427	FL1-2727	FL1-3027	FL1-3327	FL1-3627	FL1-3927	FL1-4227	FL1-4527	FL1-4827	FL1-5127	FL1-5427
3000	FL1-2130	FL1-2430	FL1-2730	FL1-3030	FL1-3330	FL1-3630	FL1-3930	FL1-4230	FL1-4530	FL1-4830	FL1-5130	FL1-5430
3300	FL1-2133	FL1-2433	FL1-2733	FL1-3033	FL1-3333	FL1-3633	FL1-3933	FL1-4233	FL1-4533	FL1-4833	FL1-5133	FL1-5433
3600						FL1-3636	FL1-3936	FL1-4236	FL1-4536	FL1-4836	FL1-5136	FL1-5436
3900									FL1-4539	FL1-4839	FL1-5139	FL1-5439
4200											FL1-5142	FL1-5442
H \ W	5700	6000	6300	6600	6900	7200	7500	7800	8100	8400	8700	9000
2400	FL1-5724	FL1-6024	FL1-6324	FL1-6624	FL1-6924	FL1-7224	FL1-7524	FL1-7824	FL1-8124	FL1-8424	FL1-8724	FL1-9024
2700	FL1-5727	FL1-6027	FL1-6327	FL1-6627	FL1-6927	FL1-7227	FL1-7527	FL1-7827	FL1-8127	FL1-8427	FL1-8727	FL1-9027
3000	FL1-5730	FL1-6030	FL1-6330	FL1-6630	FL1-6930	FL1-7230	FL1-7530	FL1-7830	FL1-8130	FL1-8430	FL1-8730	FL1-9030
3300	FL1-5733	FL1-6033	FL1-6333	FL1-6633	FL1-6933	FL1-7233	FL1-7533	FL1-7833	FL1-8133	FL1-8433	FL1-8733	FL1-9033
3600	FL1-5736	FL1-6036	FL1-6336	FL1-6636	FL1-6936	FL1-7236	FL1-7536	FL1-7836	FL1-8136	FL1-8436	FL1-8736	FL1-9036
3900	FL1-5739	FL1-6039	FL1-6339	FL1-6639	FL1-6939	FL1-7239	FL1-7539	FL1-7839	FL1-8139	FL1-8439	FL1-8739	FL1-9039
4200	FL1-5742	FL1-6042	FL1-6342	FL1-6642	FL1-6942	FL1-7242	FL1-7542	FL1-7842	FL1-8142	FL1-8442	FL1-8742	FL1-9042
4500	FL1-5745	FL1-6045	FL1-6345	FL1-6645	FL1-6945	FL1-7245	FL1-7545	FL1-7845	FL1-8145	FL1-8445	FL1-8745	FL1-9045
4800		FL1-6048	FL1-6348	FL1-6648	FL1-6948	FL1-7248	FL1-7548	FL1-7848	FL1-8148	FL1-8448	FL1-8748	FL1-9048
5100		FL1-6051	FL1-6351	FL1-6651	FL1-6951	FL1-7251	FL1-7551	FL1-7851	FL1-8151	FL1-8451	FL1-8751	FL1-9051

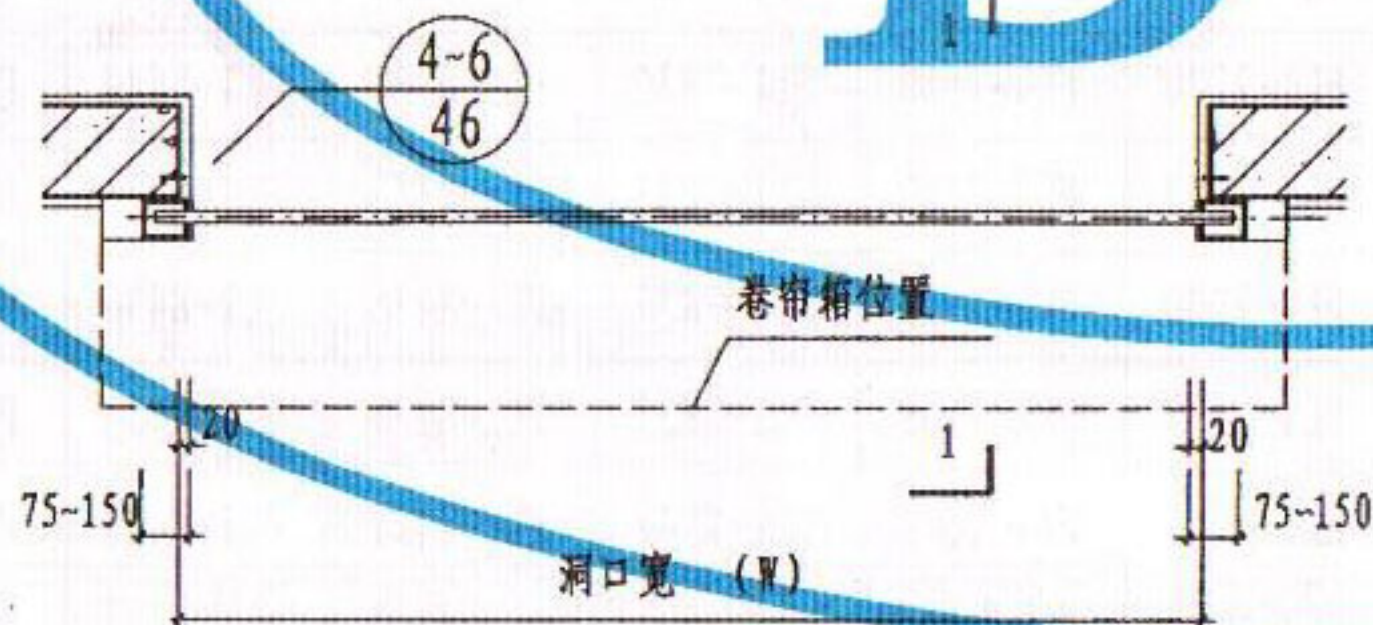
注：防火卷帘的断面用料尺寸，洞口预埋件及安装装饰详见46页。

FL1钢防火卷帘选用表

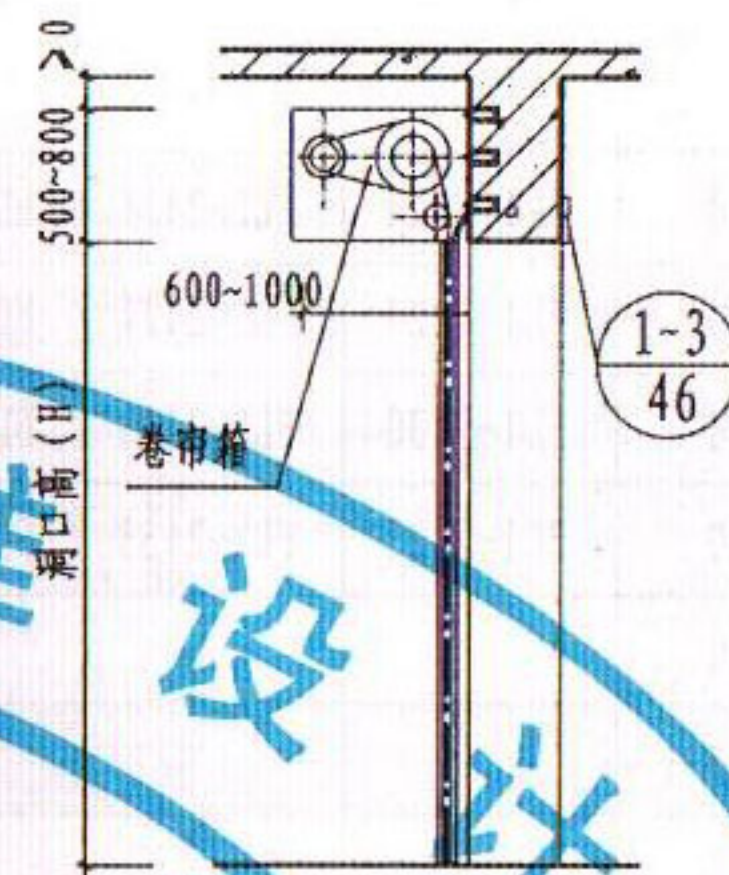
图集号	新04J709
页次	39



FL1钢防火卷帘立面图




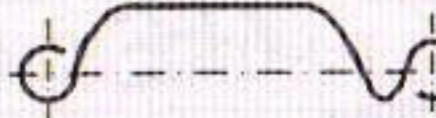
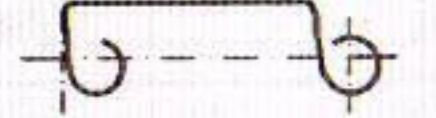


FL1平面图



1-1

注：该防火卷帘的断面用料尺寸，
洞口预埋件及安装装饰详见46页。

帘板型式与规格

名称	帘板型式
单片帘板	
单片帘板	
单片帘板	
复合夹芯帘板	
复合夹芯帘板	

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、帘板尺寸材质、厚度及填充材料应与国家消防产品质检中心出具的有效产品检验报告中的图示或说明一致。
- 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。

FL2 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及相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，该系统采用专用喷头将水雾化到0.1mm左右的水珠喷向帘面，使之强行冷却。

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 $> 3.0\text{h}$ ，洞口最大尺寸宽为9000mm，高为6000mm。

2 技术性能指标:

考虑其供水时间，水压与水量不同，采用消防系统单独供水。水雾系统的喷头安装间距，喷头与帘面的安装间距，均布水流量，应与国家消防产品质检中心出具的有效检验报告中的说明一致。

2.1 耐火时间(h): 3.0。

2.2 热辐射强度(W/cm^2): ≤ 0.96 。（距帘面3m处）

2.3 启闭速度(mm/min): 2000~9000。

FL2 水雾式钢特级防火卷帘选用表

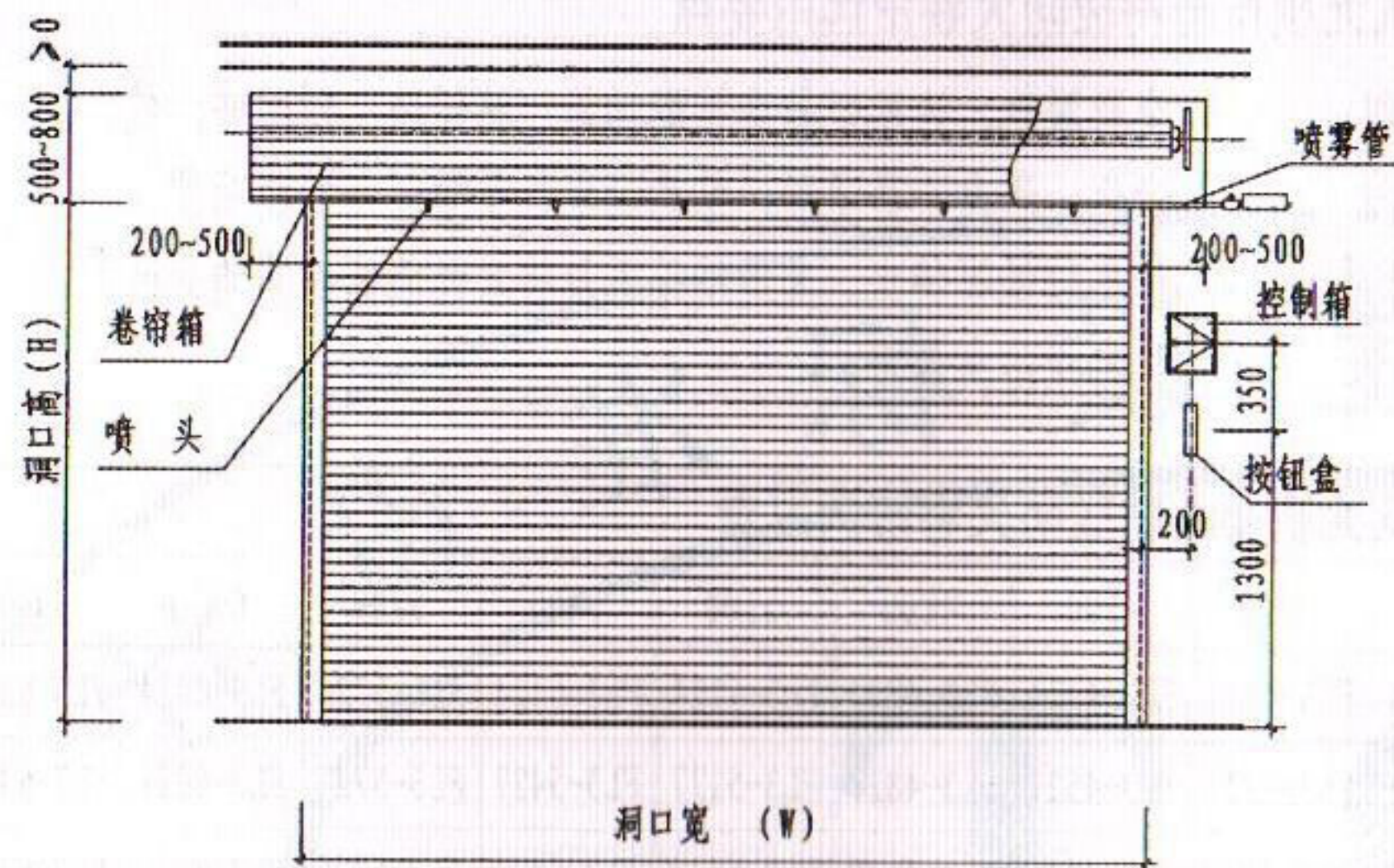
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2400	FL2-2124	FL2-2424	FL2-2724	FL2-3024	FL2-3324	FL2-3624	FL2-3924	FL2-4224	FL2-4524	FL2-4824	FL2-5124	FL2-5424
2700	FL2-2127	FL2-2427	FL2-2727	FL2-3027	FL2-3327	FL2-3627	FL2-3927	FL2-4227	FL2-4527	FL2-4827	FL2-5127	FL2-5427
3000	FL2-2130	FL2-2430	FL2-2730	FL2-3030	FL2-3330	FL2-3630	FL2-3930	FL2-4230	FL2-4530	FL2-4830	FL2-5130	FL2-5430
3300	FL2-2133	FL2-2433	FL2-2733	FL2-3033	FL2-3333	FL2-3633	FL2-3933	FL2-4233	FL2-4533	FL2-4833	FL2-5133	FL2-5433
3600						FL2-3636	FL2-3936	FL2-4236	FL2-4536	FL2-4836	FL2-5136	FL2-5436
3900									FL2-4539	FL2-4839	FL2-5139	FL2-5439
4200											FL2-5142	FL2-5442
H \ W	5700	6000	6300	6600	6900	7200	7500	7800	8100	8400	8700	9000
2400	FL2-5724	FL2-6024	FL2-6324	FL2-6624	FL2-6924	FL2-7224	FL2-7524	FL2-7824	FL2-8124	FL2-8424	FL2-8724	FL2-9024
2700	FL2-5727	FL2-6027	FL2-6327	FL2-6627	FL2-6927	FL2-7227	FL2-7527	FL2-7827	FL2-8127	FL2-8427	FL2-8727	FL2-9027
3000	FL2-5730	FL2-6030	FL2-6330	FL2-6630	FL2-6930	FL2-7230	FL2-7530	FL2-7830	FL2-8130	FL2-8430	FL2-8730	FL2-9030
3300	FL2-5733	FL2-6033	FL2-6333	FL2-6633	FL2-6933	FL2-7233	FL2-7533	FL2-7833	FL2-8133	FL2-8433	FL2-8733	FL2-9033
3600	FL2-5736	FL2-6036	FL2-6336	FL2-6636	FL2-6936	FL2-7236	FL2-7536	FL2-7836	FL2-8136	FL2-8436	FL2-8736	FL2-9036
3900	FL2-5739	FL2-6039	FL2-6339	FL2-6639	FL2-6939	FL2-7239	FL2-7539	FL2-7839	FL2-8139	FL2-8439	FL2-8739	FL2-9039
4200	FL2-5742	FL2-6042	FL2-6342	FL2-6642	FL2-6942	FL2-7242	FL2-7542	FL2-7842	FL2-8142	FL2-8442	FL2-8742	FL2-9042
4500	FL2-5745	FL2-6045	FL2-6345	FL2-6645	FL2-6945	FL2-7245	FL2-7545	FL2-7845	FL2-8145	FL2-8445	FL2-8745	FL2-9045
4800		FL2-6048	FL2-6348	FL2-6648	FL2-6948	FL2-7248	FL2-7548	FL2-7848	FL2-8148	FL2-8448	FL2-8748	FL2-9048
5100		FL2-6051	FL2-6351	FL2-6651	FL2-6951	FL2-7251	FL2-7551	FL2-7851	FL2-8151	FL2-8451	FL2-8751	FL2-9051

注：防火卷帘的断面用料尺寸，洞口预埋件及安装装饰详见46页。

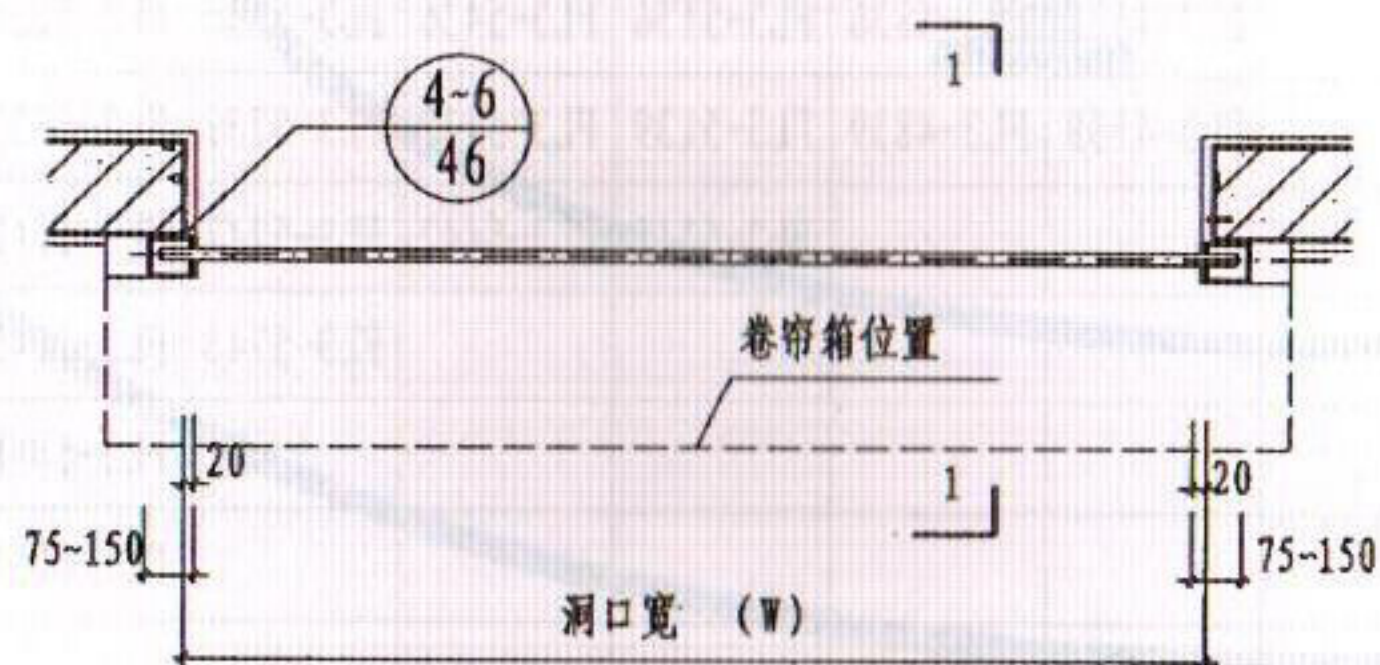
FL2 水雾式钢特级
防火卷帘选用表

图集号
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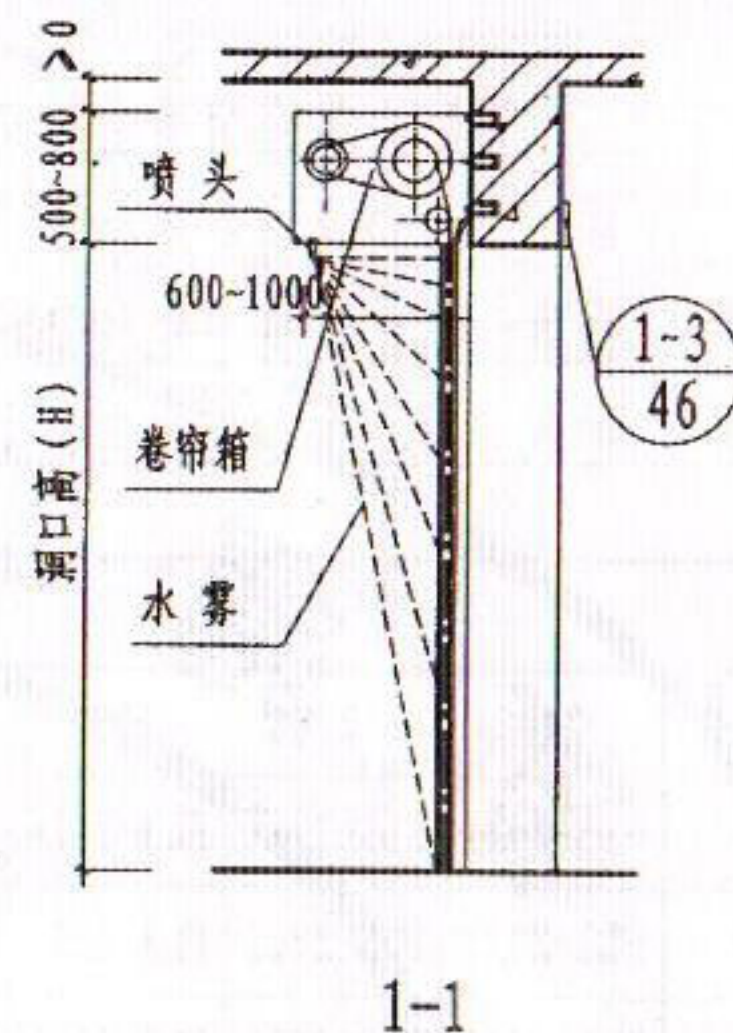
新04J709
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FL2水雾式钢特级防火卷帘立面图



FL2水雾式钢特级防火卷帘平面图



注：该防火卷帘的断面用料尺寸，洞口预埋件及安装装饰详见46页。

FL3 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，其纵向设有中距小于1500mm的钢丝绳以保证其抗拉强度；横向设有中距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FL2型特级防火卷帘。

FL3 水雾式无机布基特级防火卷帘选用表

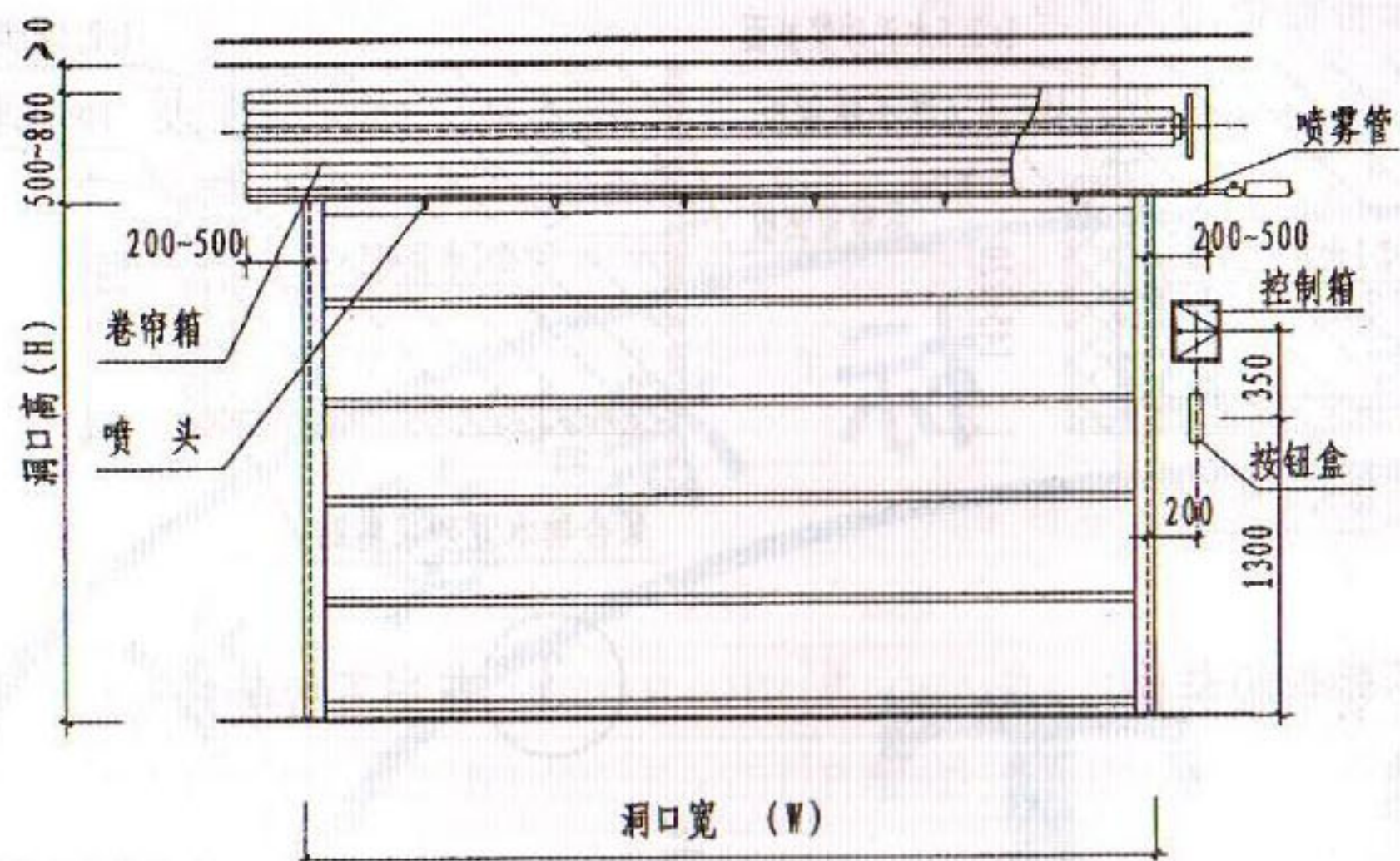
H \ W	2400	2700	3000	3300	3600	3900	4200	4500	4800	5100	5400	5700	6000	6300	6600
2400	FL3-2424	FL3-2724	FL3-3024	FL3-3324	FL3-3624	FL3-3924	FL3-4224	FL3-4524	FL3-4824	FL3-5124	FL3-5424	FL3-5724	FL3-6024	FL3-6324	FL3-6624
2700	FL3-2427	FL3-2727	FL3-3027	FL3-3327	FL3-3627	FL3-3927	FL3-4227	FL3-4527	FL3-4827	FL3-5127	FL3-5427	FL3-5727	FL3-6027	FL3-6327	FL3-6627
3000	FL3-2430	FL3-2730	FL3-3030	FL3-3330	FL3-3630	FL3-3930	FL3-4230	FL3-4530	FL3-4830	FL3-5130	FL3-5430	FL3-5730	FL3-6030	FL3-6330	FL3-6630
3300	FL3-2433	FL3-2733	FL3-3033	FL3-3333	FL3-3633	FL3-3933	FL3-4233	FL3-4533	FL3-4833	FL3-5133	FL3-5433	FL3-5733	FL3-6033	FL3-6333	FL3-6633
3600					FL3-3636	FL3-3936	FL3-4236	FL3-4536	FL3-4836	FL3-5136	FL3-5436	FL3-5736	FL3-6036	FL3-6336	FL3-6636
3900								FL3-4539	FL3-4839	FL3-5139	FL3-5439	FL3-5739	FL3-6039	FL3-6339	FL3-6639
4200										FL3-5142	FL3-5442	FL3-5742	FL3-6042	FL3-6342	FL3-6642
4500												FL3-5745	FL3-6045	FL3-6345	FL3-6645
4800													FL3-6048	FL3-6348	FL3-6648
5100													FL3-6051	FL3-6351	FL3-6651
5400														FL3-6354	FL3-6654
5700														FL3-6357	FL3-6657
6000															FL3-6660

注：防火卷帘的断面用料尺寸，洞口预埋件及安装装饰详见46页。

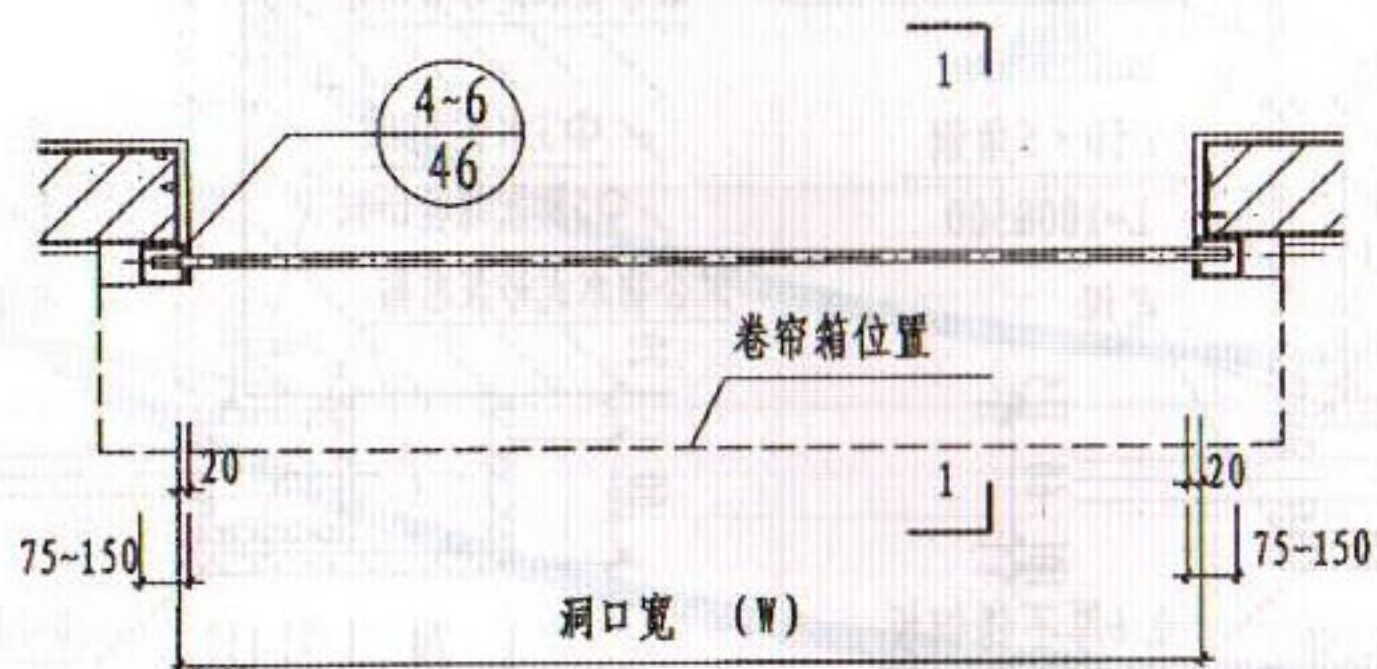
FL3水雾式无机布基特级防火
卷帘选用要点及选用表

图集号
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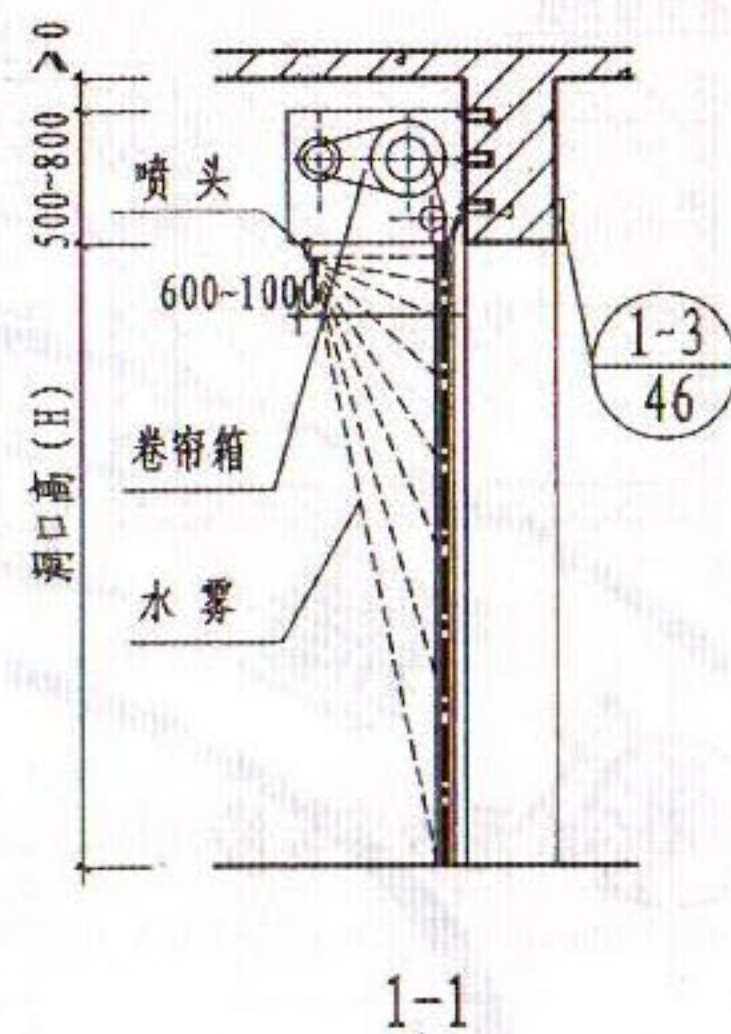
新04J709
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FL3水雾式无机布基特级防火卷帘立面图

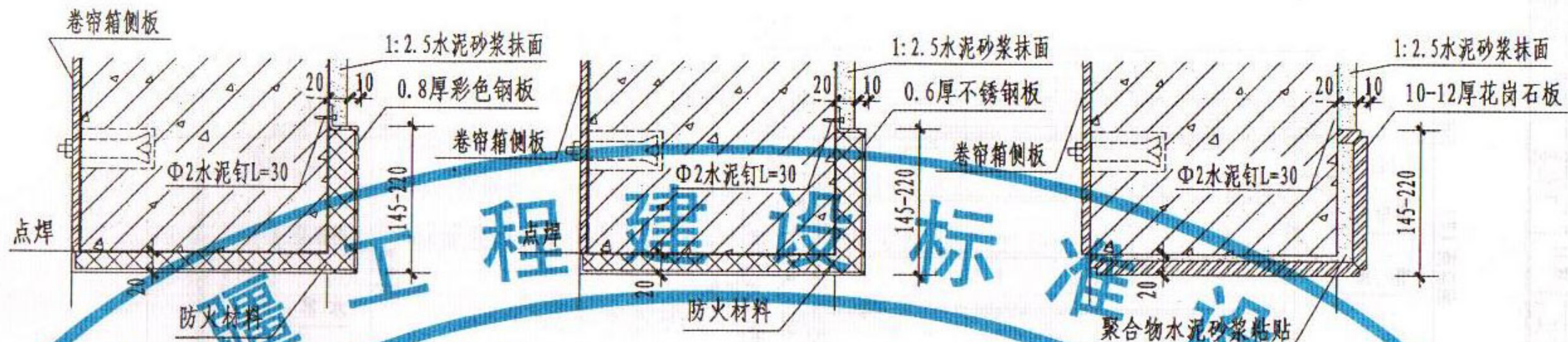


FL3平面图



注: 该防火卷帘的断面用料尺寸, 洞口预埋件及安装装饰详见46页。

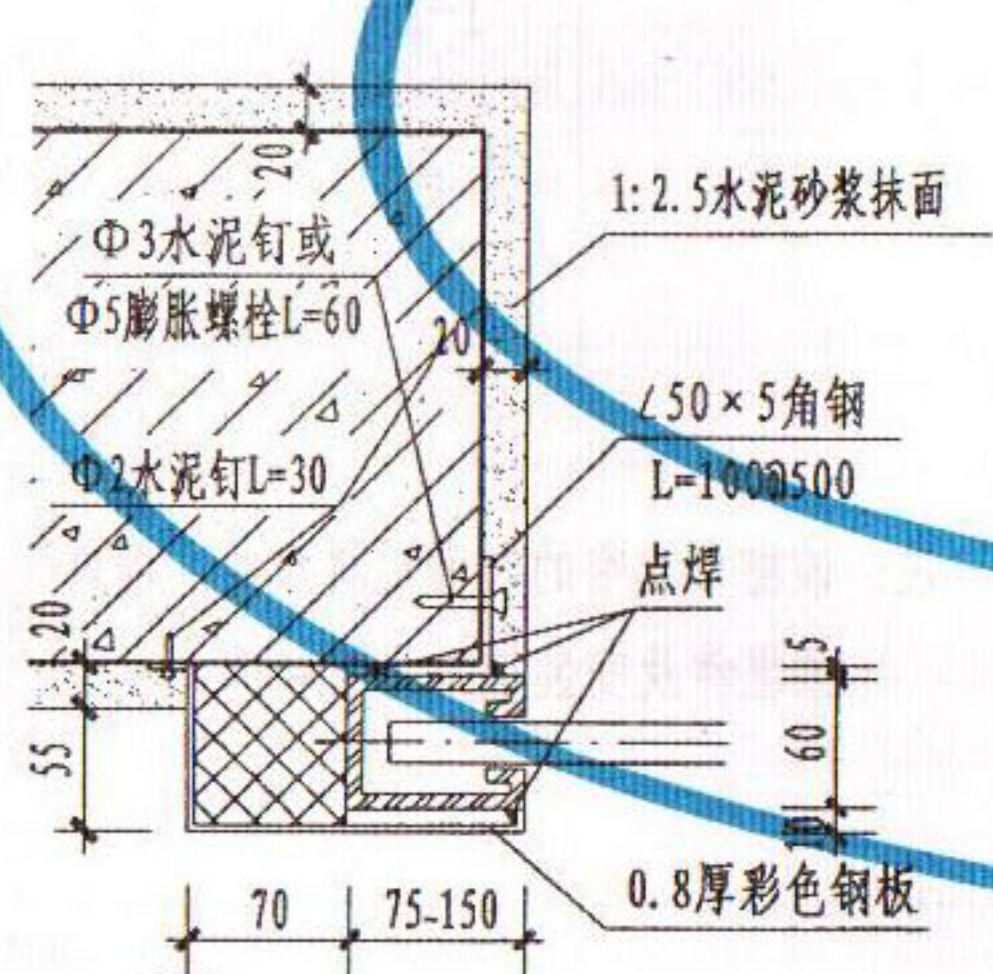
FL3水雾式无机布基特级防火卷帘 平、立、剖面图	图集号	新04J709
	页次	45



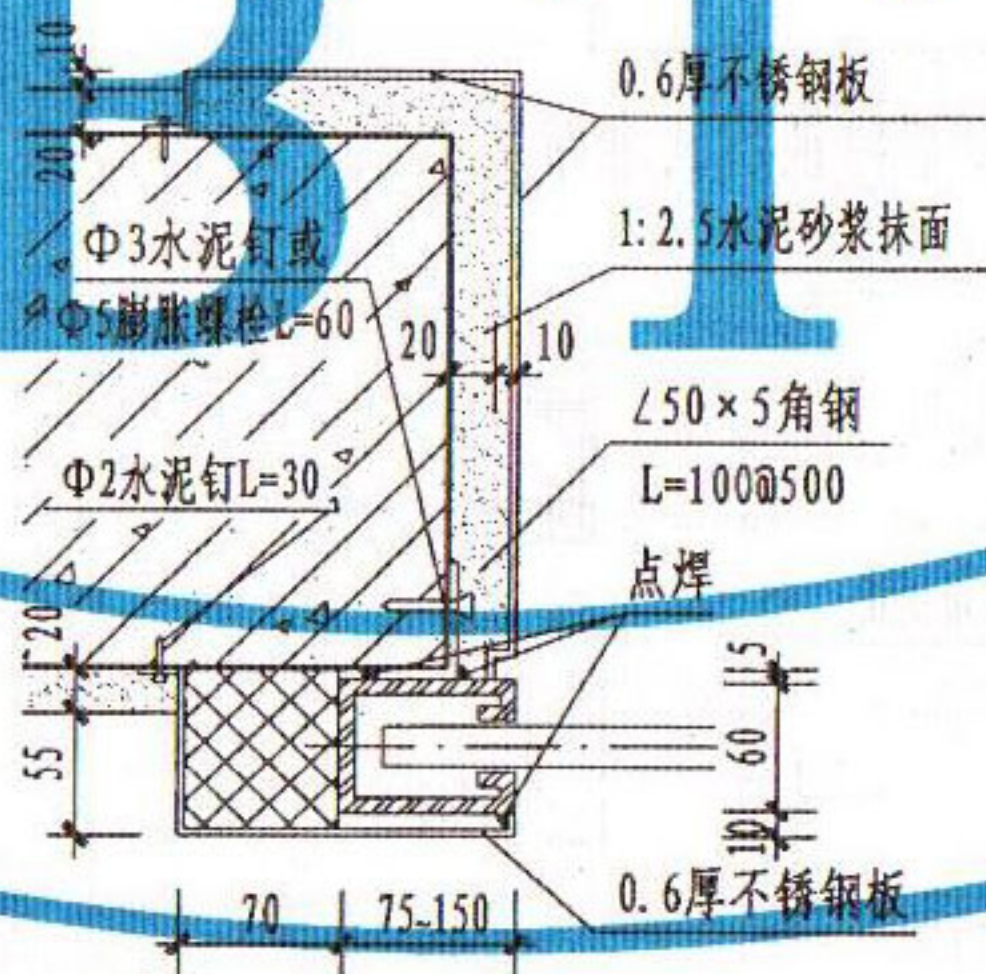
1 水泥砂浆装修

2 不锈钢板装修

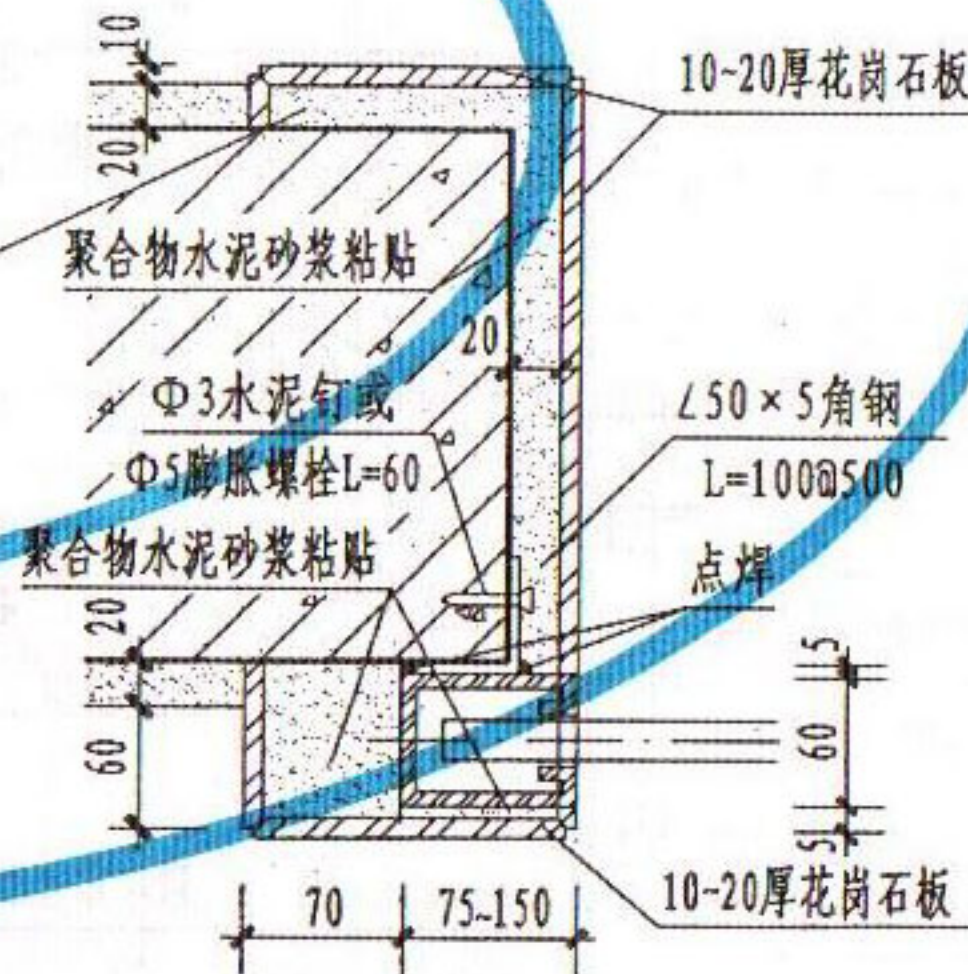
3 花岗石板装修



4 水泥砂浆装修



5 不锈钢板装修



6 花岗石板装修

FL1、FL2、FL3单导轨 安装装饰节点	图集号	新04J709
	页次	46

FL4 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两道防火卷帘组成。其中间间隔为200mm-500mm，该空气层增加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。

双轨无机布基特级防火卷帘帘面构造同FL3型特级防火卷帘。适用范围及技术性能指标等见FL2型特级防火卷帘。

FL4 双轨无机布基特级防火卷帘选用表

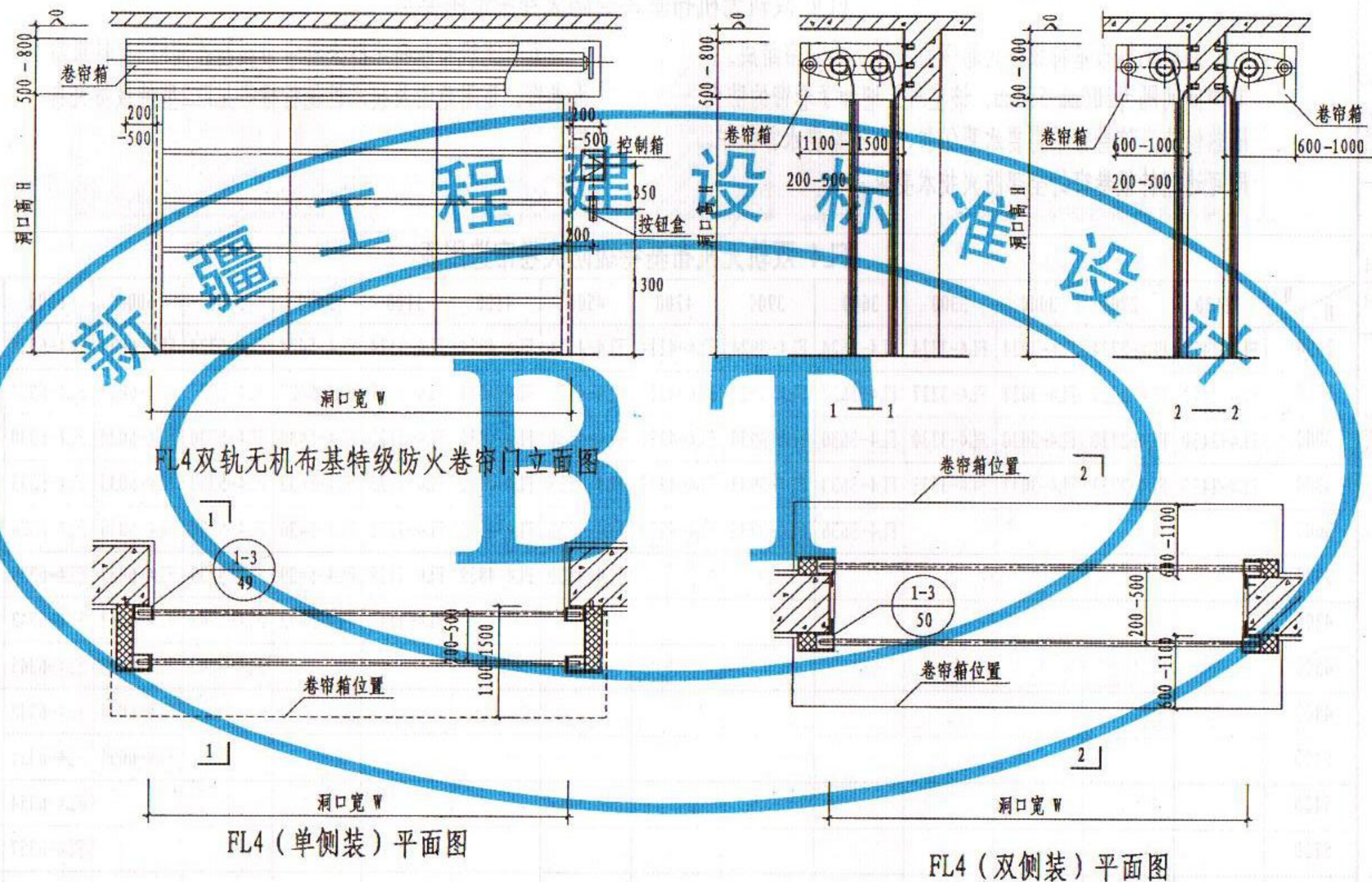
H \ W	2400	2700	3000	3300	3600	3900	4200	4500	4800	5100	5400	5700	6000	6300	6600
2400	FL4-2424	FL4-2724	FL4-3024	FL4-3324	FL4-3624	FL4-3924	FL4-4224	FL4-4524	FL4-4824	FL4-5124	FL4-5424	FL4-5724	FL4-6024	FL4-6324	FL4-6624
2700	FL4-2427	FL4-2727	FL4-3027	FL4-3327	FL4-3627	FL4-3927	FL4-4227	FL4-4527	FL4-4827	FL4-5127	FL4-5427	FL4-5727	FL4-6027	FL4-6327	FL4-6627
3000	FL4-2430	FL4-2730	FL4-3030	FL4-3330	FL4-3630	FL4-3930	FL4-4230	FL4-4530	FL4-4830	FL4-5130	FL4-5430	FL4-5730	FL4-6030	FL4-6330	FL4-6630
3300	FL4-2433	FL4-2733	FL4-3033	FL4-3333	FL4-3633	FL4-3933	FL4-4233	FL4-4533	FL4-4833	FL4-5133	FL4-5433	FL4-5733	FL4-6033	FL4-6333	FL4-6633
3600					FL4-3636	FL4-3936	FL4-4236	FL4-4536	FL4-4836	FL4-5136	FL4-5436	FL4-5736	FL4-6036	FL4-6336	FL4-6636
3900								FL4-4539	FL4-4839	FL4-5139	FL4-5439	FL4-5739	FL4-6039	FL4-6339	FL4-6639
4200										FL4-5142	FL4-5442	FL4-5742	FL4-6042	FL4-6342	FL4-6642
4500												FL4-5745	FL4-6045	FL4-6345	FL4-6645
4800													FL4-6048	FL4-6348	FL4-6648
5100													FL4-6051	FL4-6351	FL4-6651
5400														FL4-6354	FL4-6654
5700														FL4-6357	FL4-6657
6000															FL4-6660

注：防火卷帘的断面用料尺寸，洞口预埋件及安装装饰详见49、50页。

FL4 双轨无机布基特级防火
卷帘选用要点及选用表

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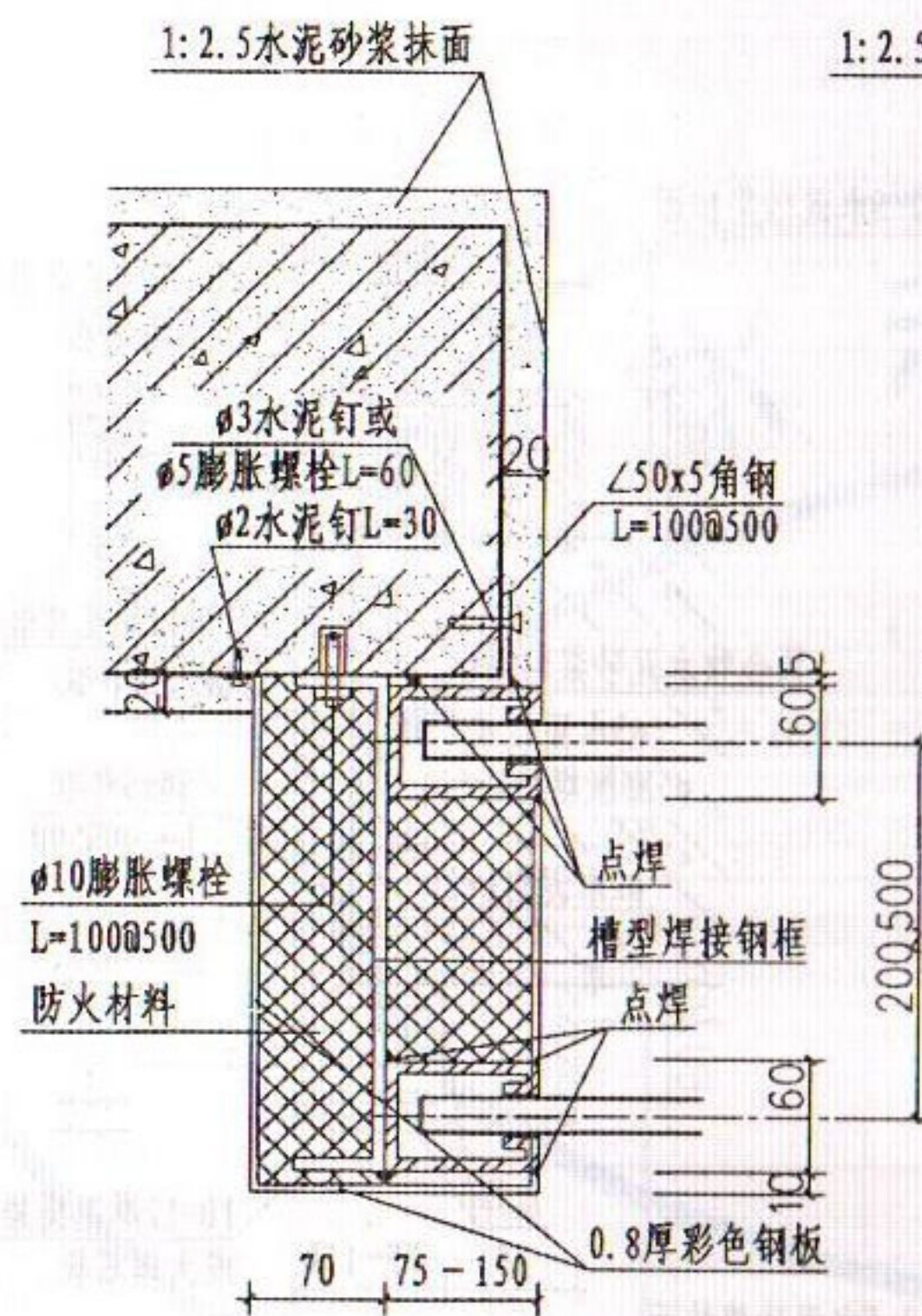
新04J709
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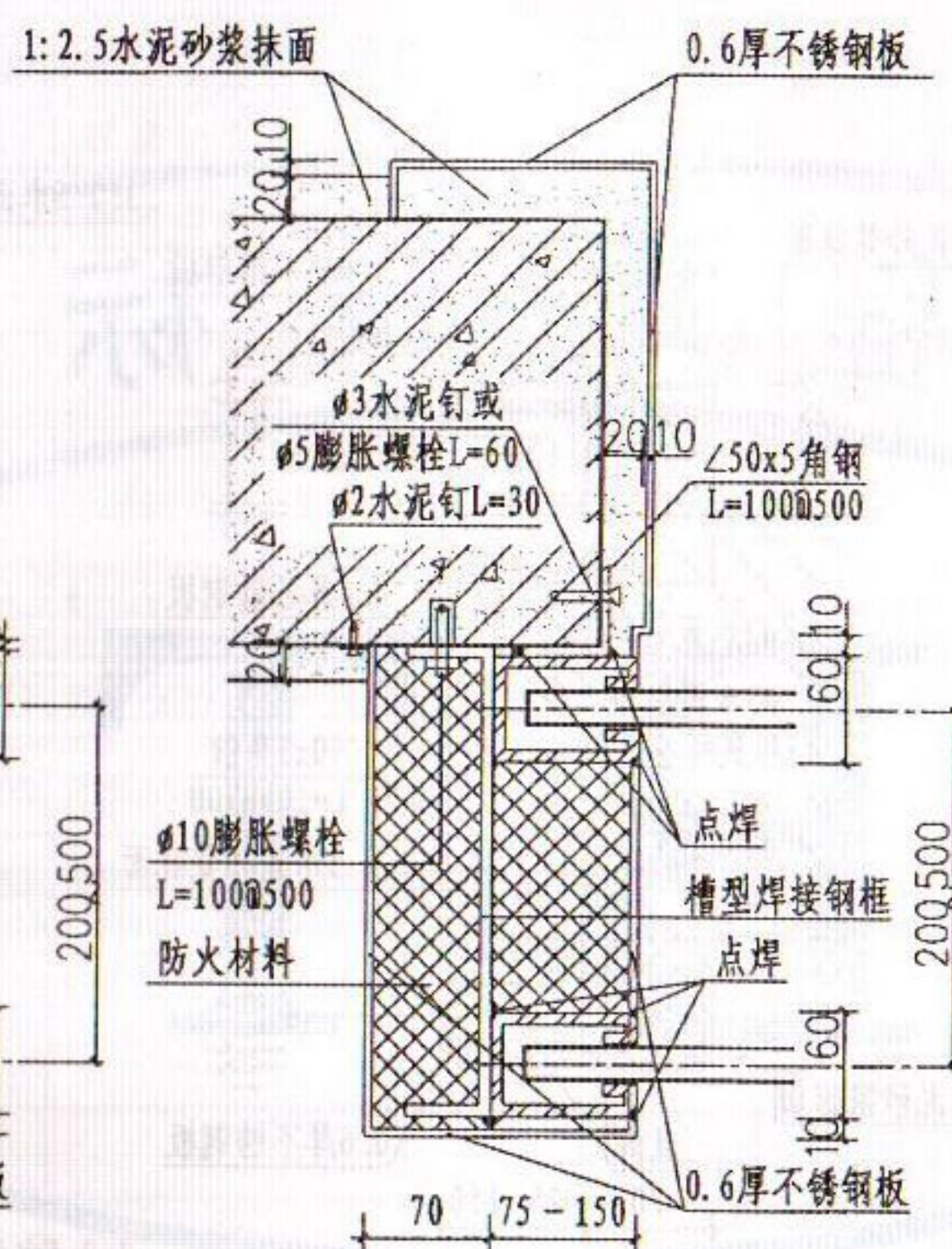
注：该防火卷帘门的断面用料尺寸，洞口预埋件及安装装饰详见49、50页。

FL4双轨无机布基
特级防火卷帘门详图

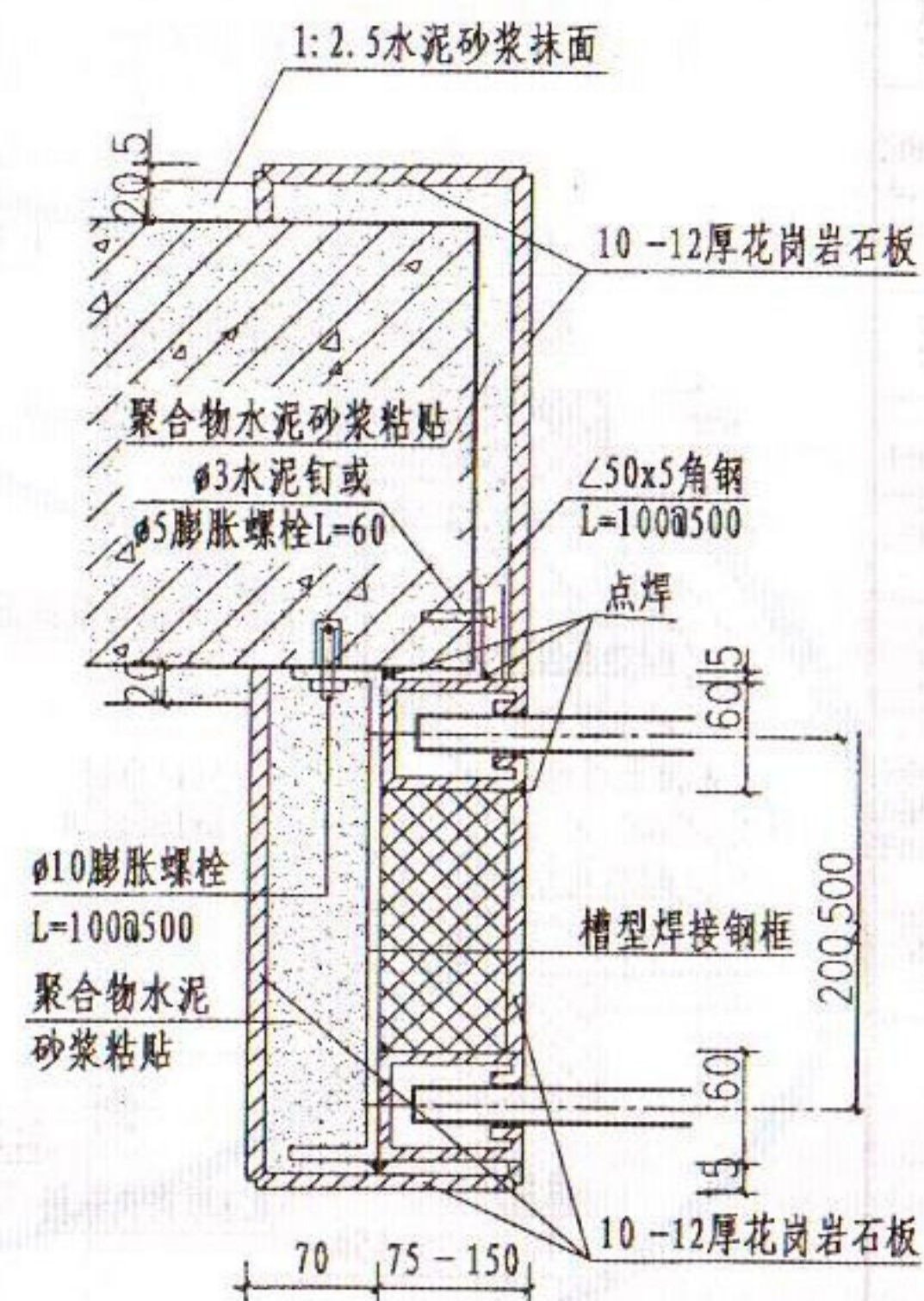
图集号	新04J709
页次	48



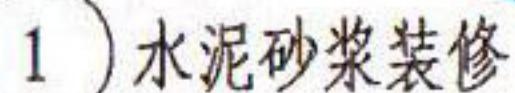
1 水泥砂浆装修



2 不锈钢板装修



3 花岗石板装修



2) 不锈钢板装修

3) 花岗石板装修

FL5 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。

FL5 带平开小门钢防火卷帘选用表

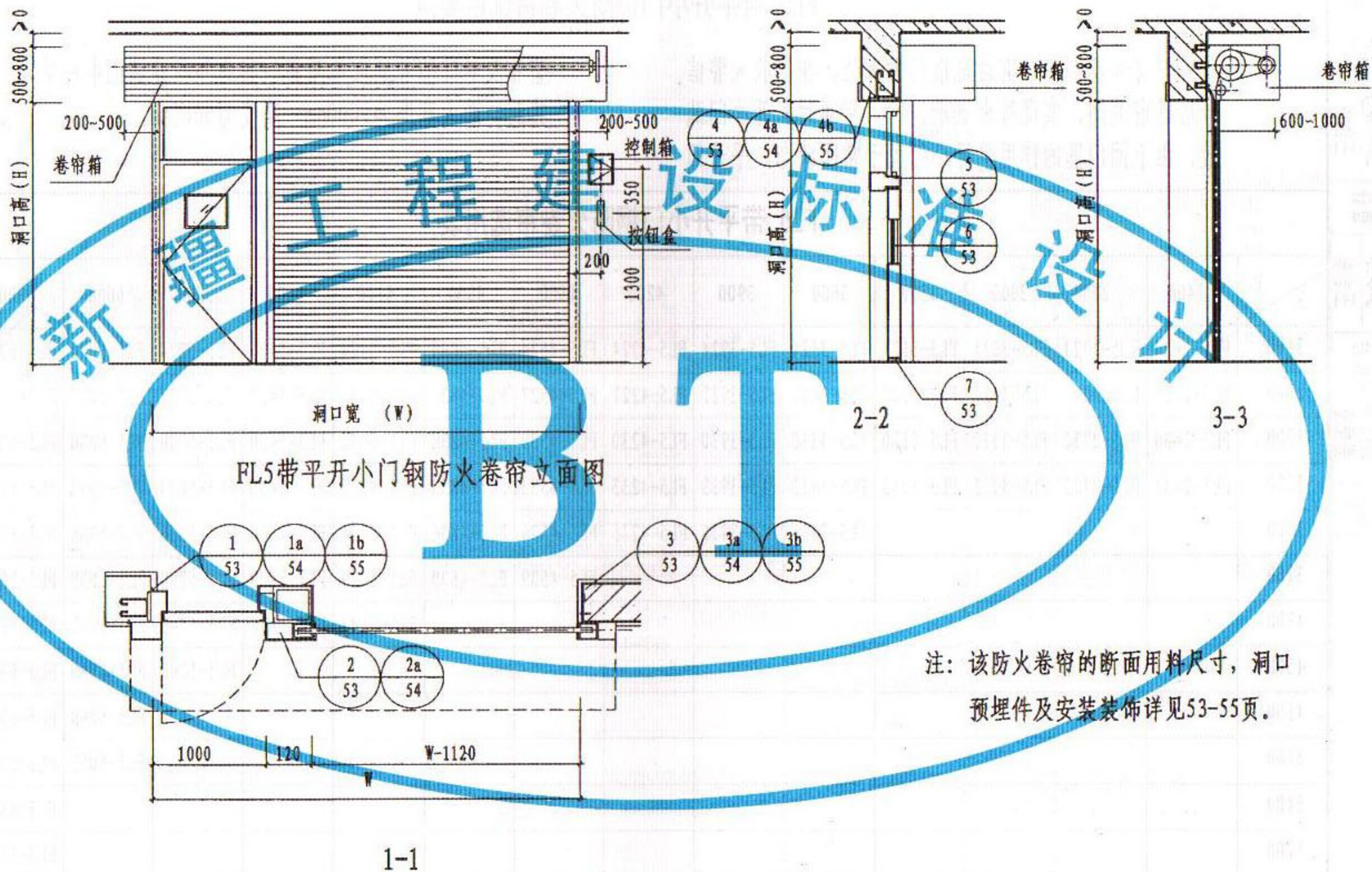
H \ W	2400	2700	3000	3300	3600	3900	4200	4500	4800	5100	5400	5700	6000	6300	6600
2400	FL5-2424	FL5-2724	FL5-3024	FL5-3324	FL5-3624	FL5-3924	FL5-4224	FL5-4524	FL5-4824	FL5-5124	FL5-5424	FL5-5724	FL5-6024	FL5-6324	FL5-6624
2700	FL5-2427	FL5-2727	FL5-3027	FL5-3327	FL5-3627	FL5-3927	FL5-4227	FL5-4527	FL5-4827	FL5-5127	FL5-5427	FL5-5727	FL5-6027	FL5-6327	FL5-6627
3000	FL5-2430	FL5-2730	FL5-3030	FL5-3330	FL5-3630	FL5-3930	FL5-4230	FL5-4530	FL5-4830	FL5-5130	FL5-5430	FL5-5730	FL5-6030	FL5-6330	FL5-6630
3300	FL5-2433	FL5-2733	FL5-3033	FL5-3333	FL5-3633	FL5-3933	FL5-4233	FL5-4533	FL5-4833	FL5-5133	FL5-5433	FL5-5733	FL5-6033	FL5-6333	FL5-6633
3600					FL5-3636	FL5-3936	FL5-4236	FL5-4536	FL5-4836	FL5-5136	FL5-5436	FL5-5736	FL5-6036	FL5-6336	FL5-6636
3900								FL5-4539	FL5-4839	FL5-5139	FL5-5439	FL5-5739	FL5-6039	FL5-6339	FL5-6639
4200										FL5-5142	FL5-5442	FL5-5742	FL5-6042	FL5-6342	FL5-6642
4500												FL5-5745	FL5-6045	FL5-6345	FL5-6645
4800													FL5-6048	FL5-6348	FL5-6648
5100													FL5-6051	FL5-6351	FL5-6651
5400														FL5-6354	FL5-6654
5700														FL5-6357	FL5-6657
6000															FL5-6660

注：防火卷帘的断面用料尺寸，洞口预埋件及安装装饰详见53-55页。

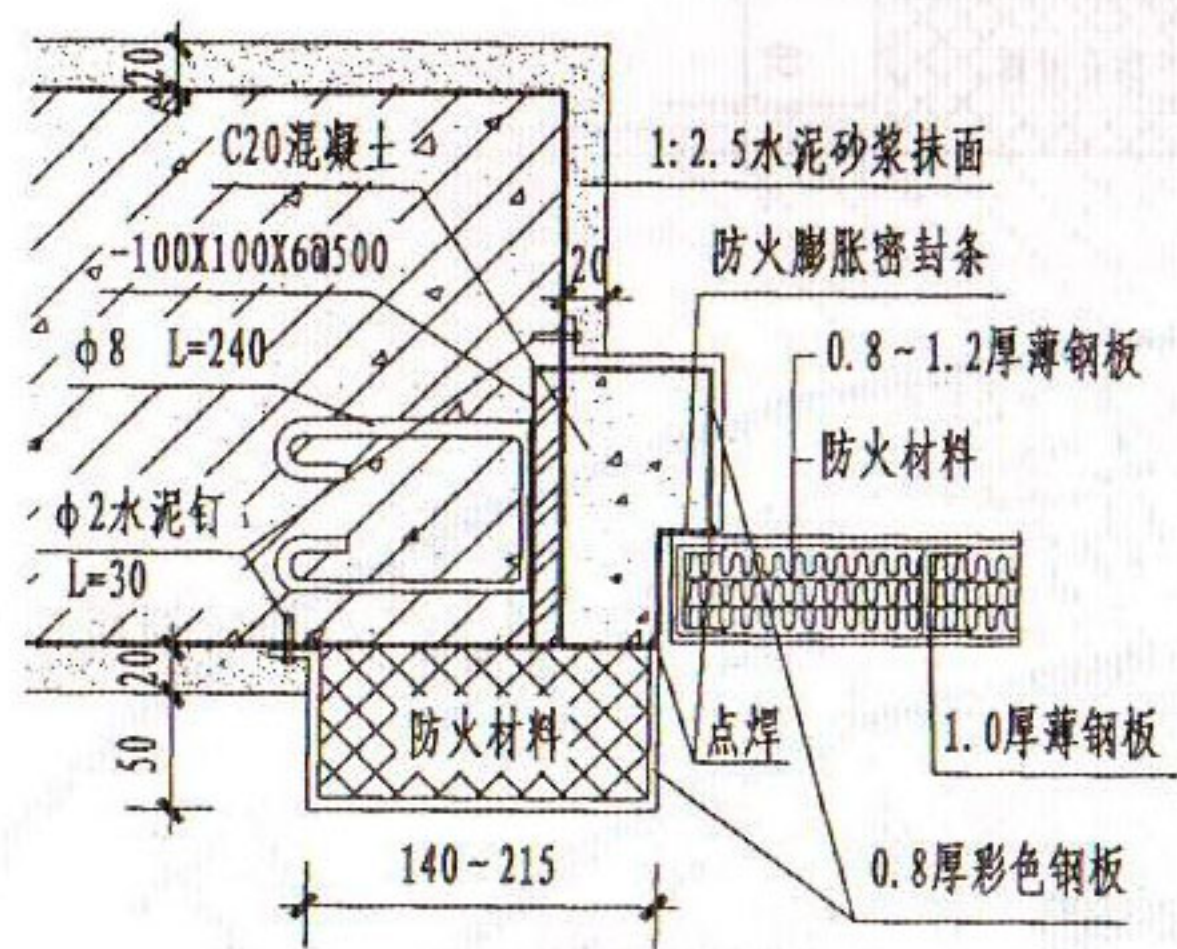
FL5 带平开小门钢防火
卷帘选用要点及选用表

图集号
页次

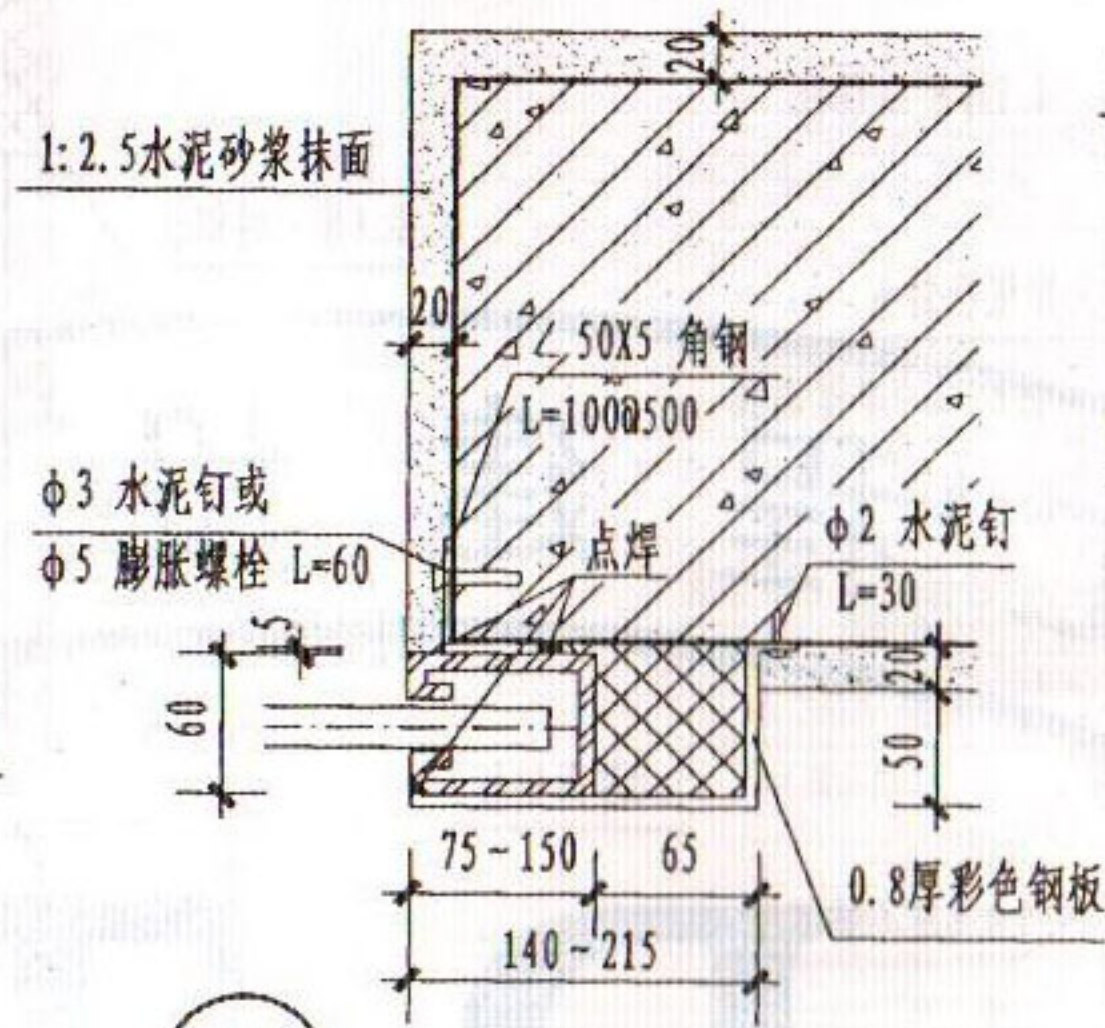
新04J709
51



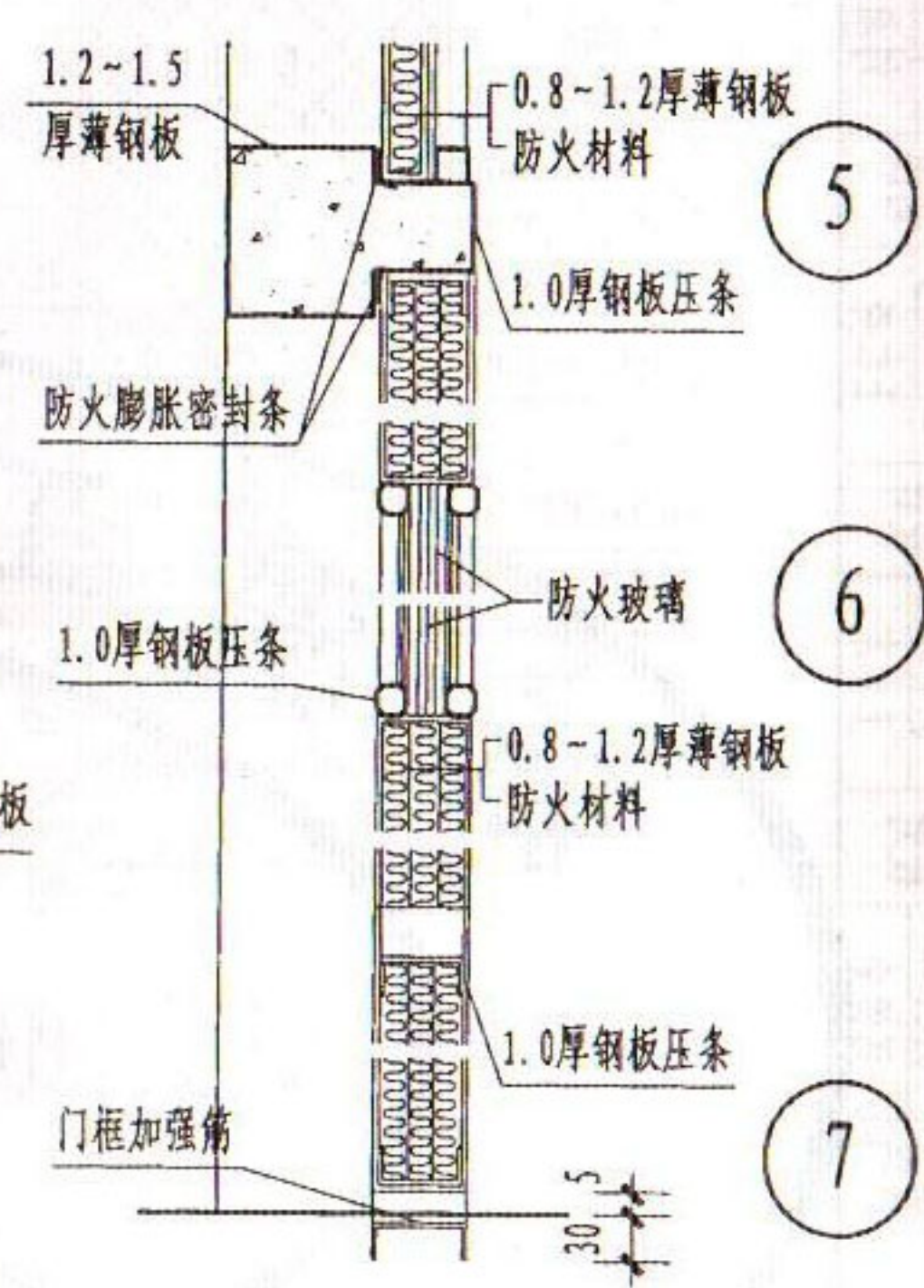
注：该防火卷帘的断面用料尺寸，洞口预埋件及安装装饰详见53-55页。



1 水泥砂浆装修



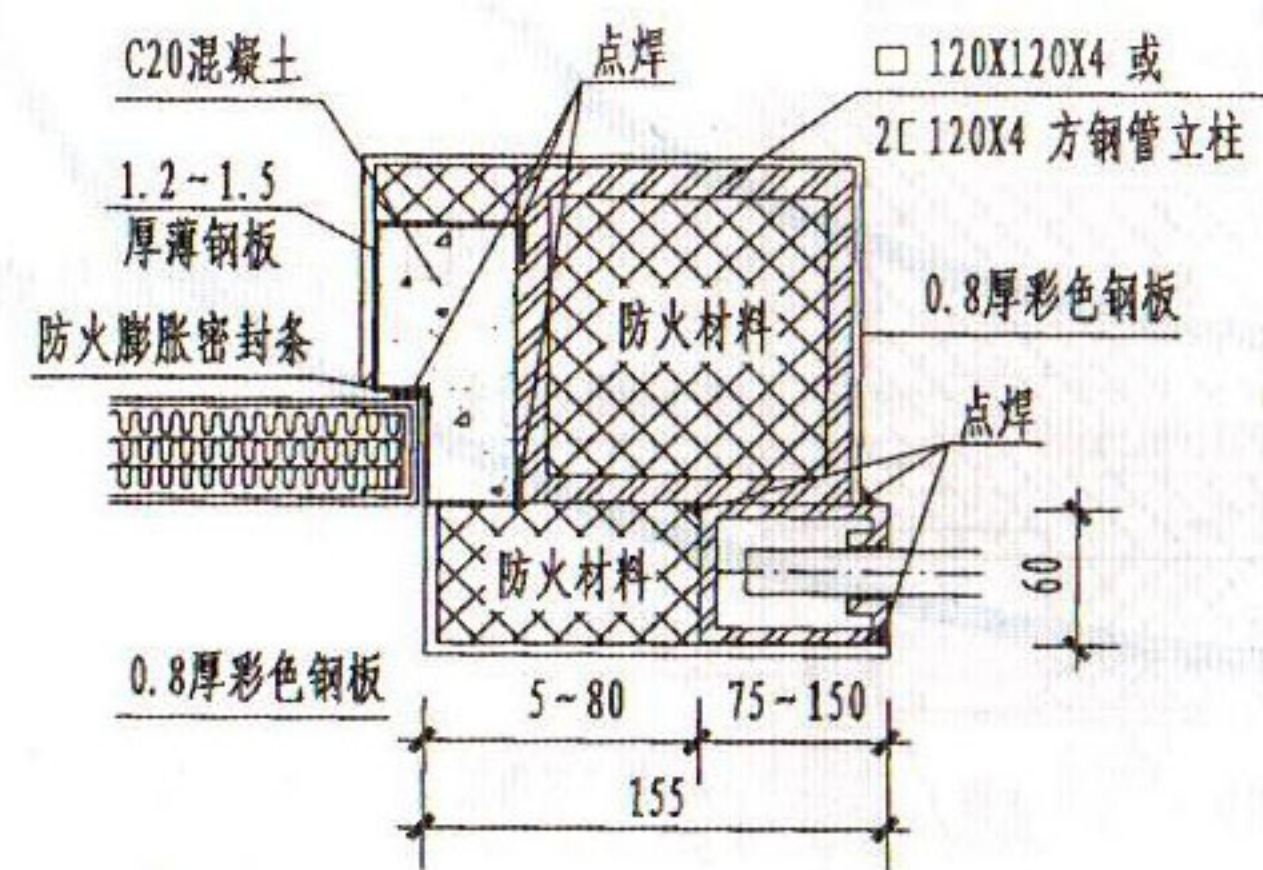
3 水泥砂浆装修



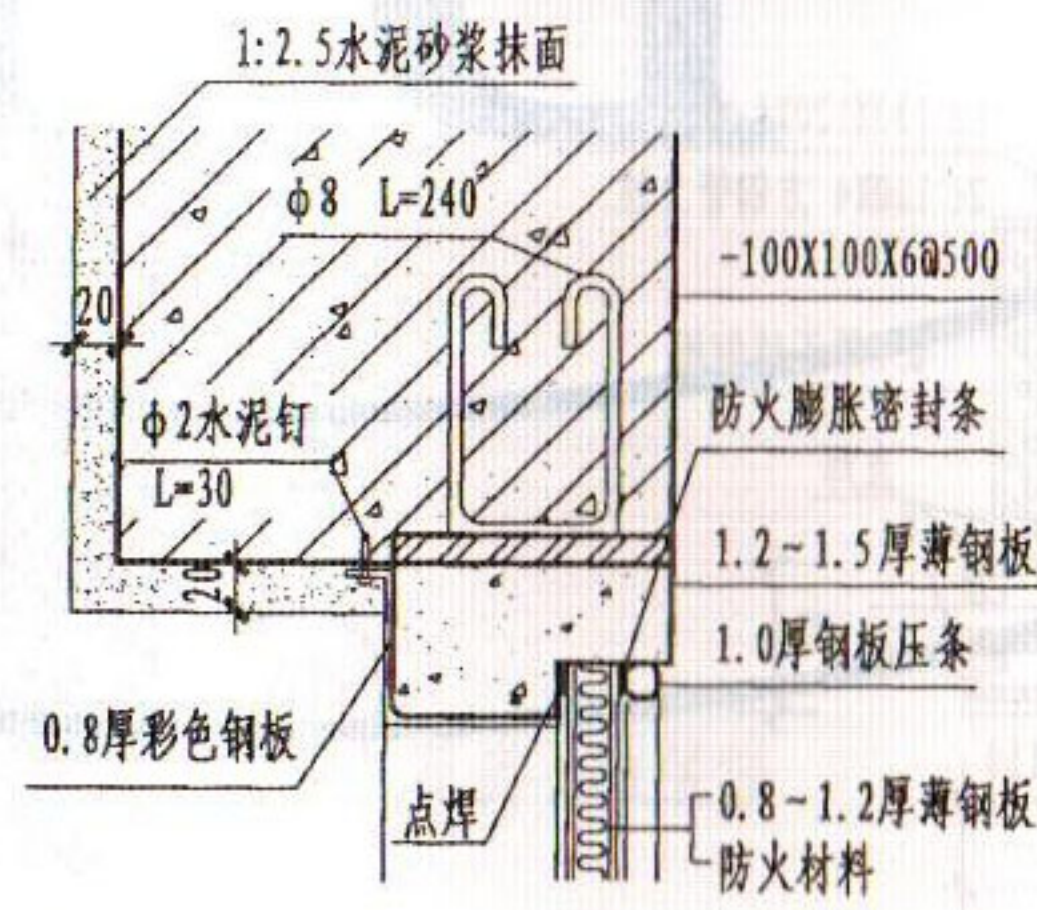
5

6

7

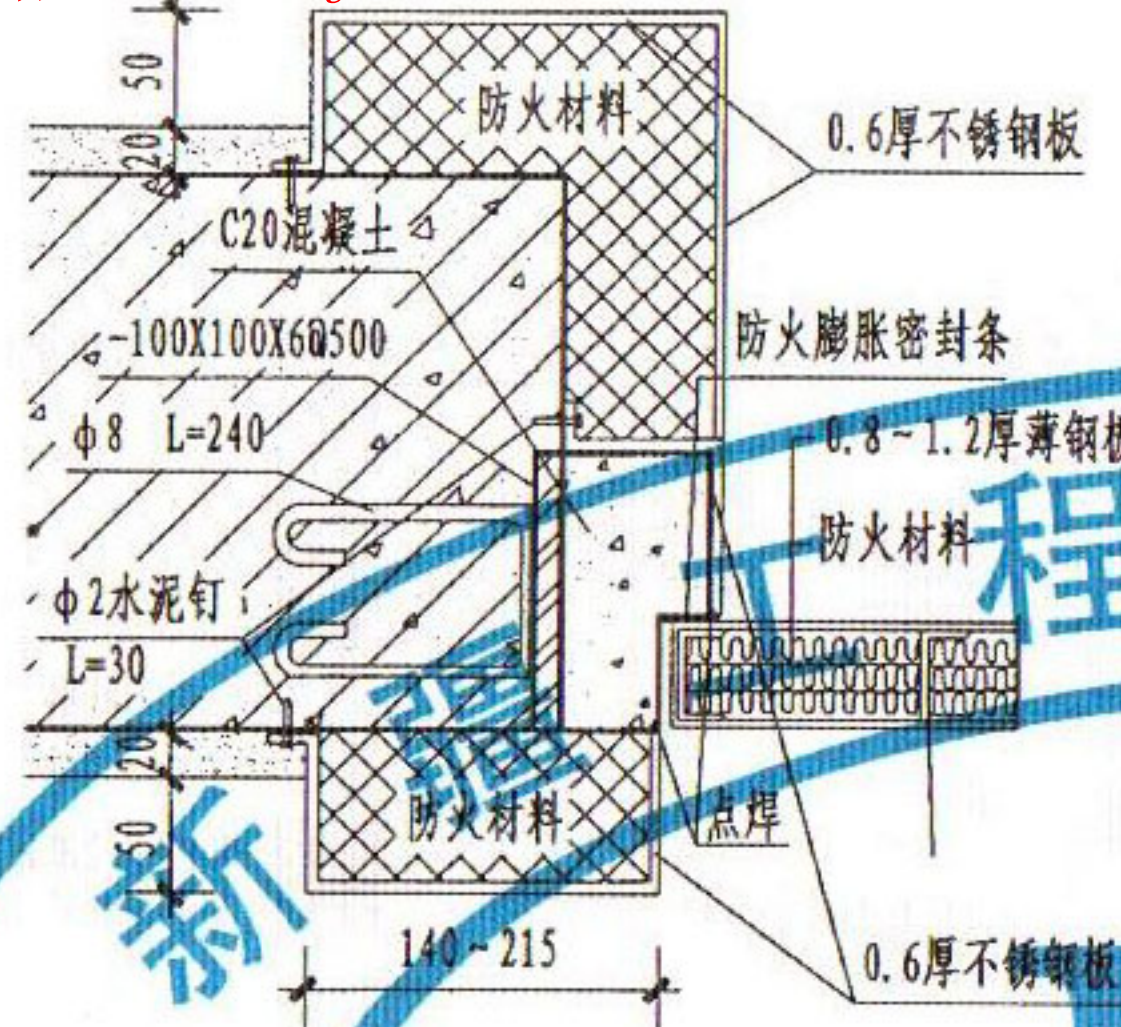


2 彩色钢板装修

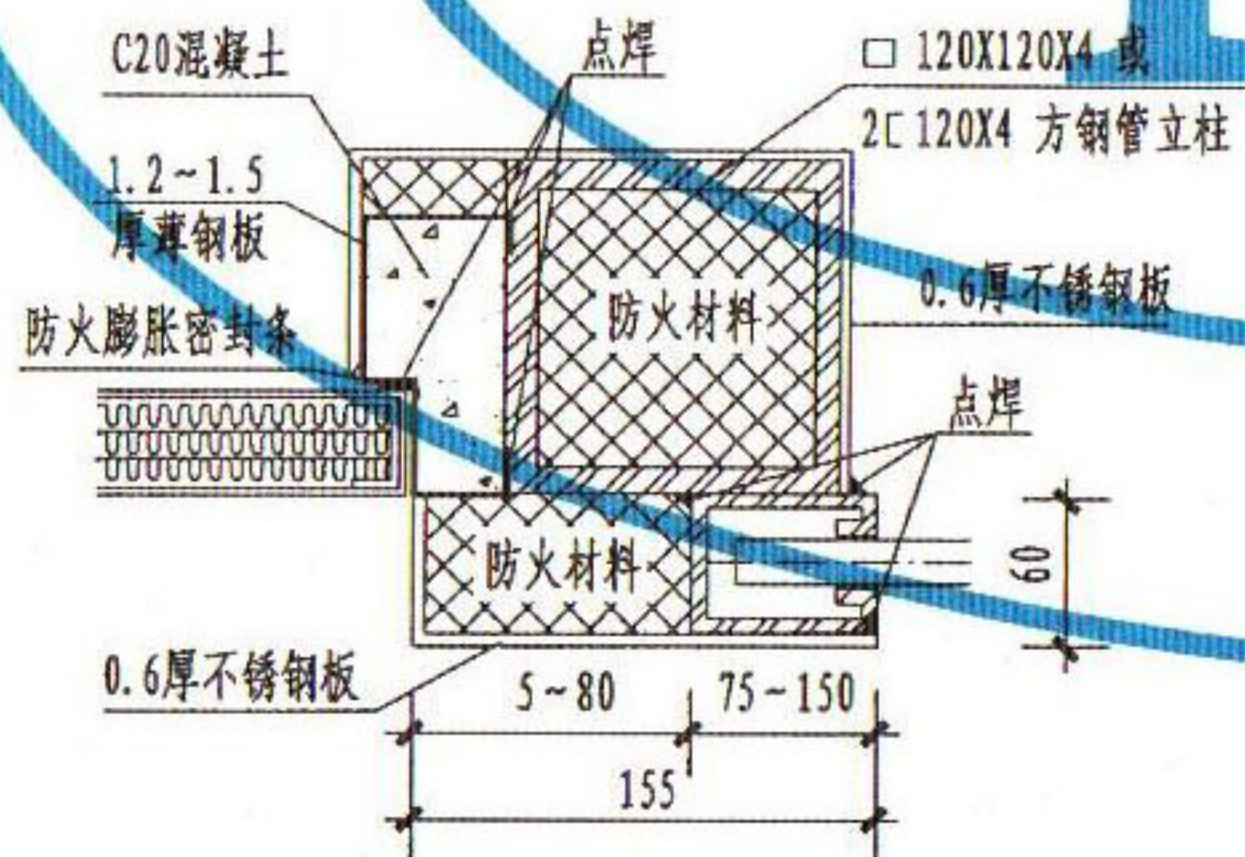


4 水泥砂浆装修

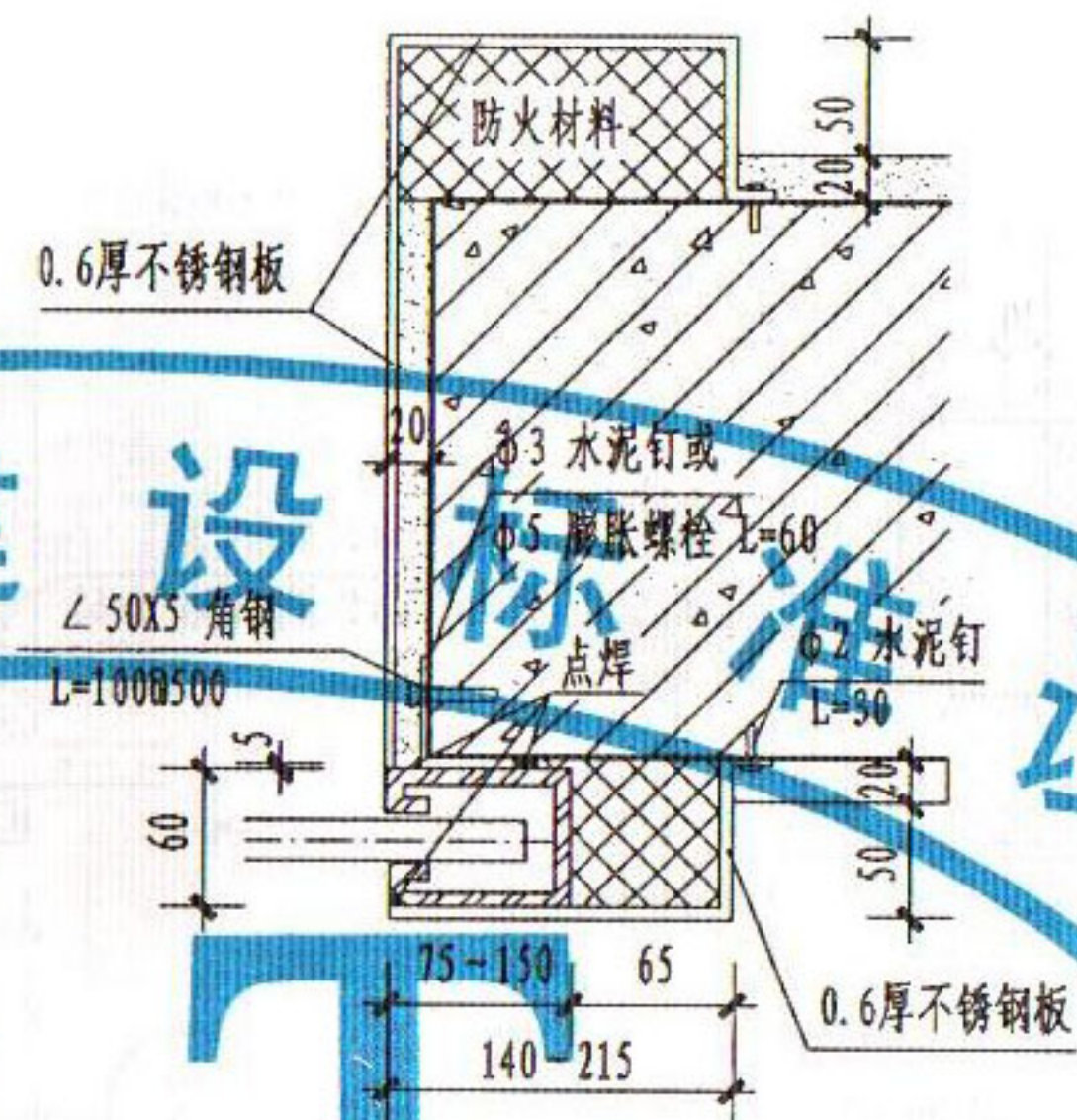
FL5 带平开小门钢防火卷帘 安装装饰节点 (一)	图集号	新04J709
	页次	53



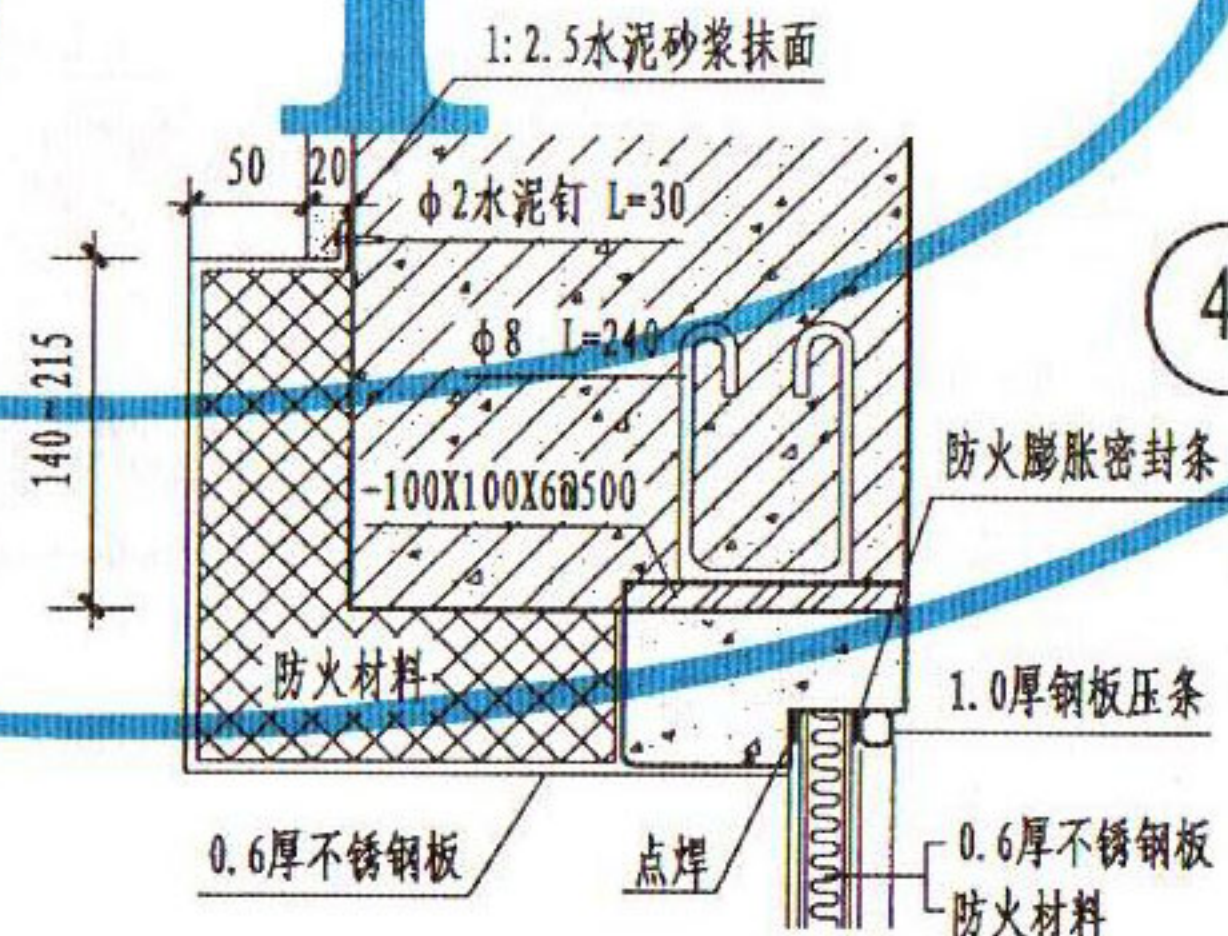
1a 不锈钢板装修



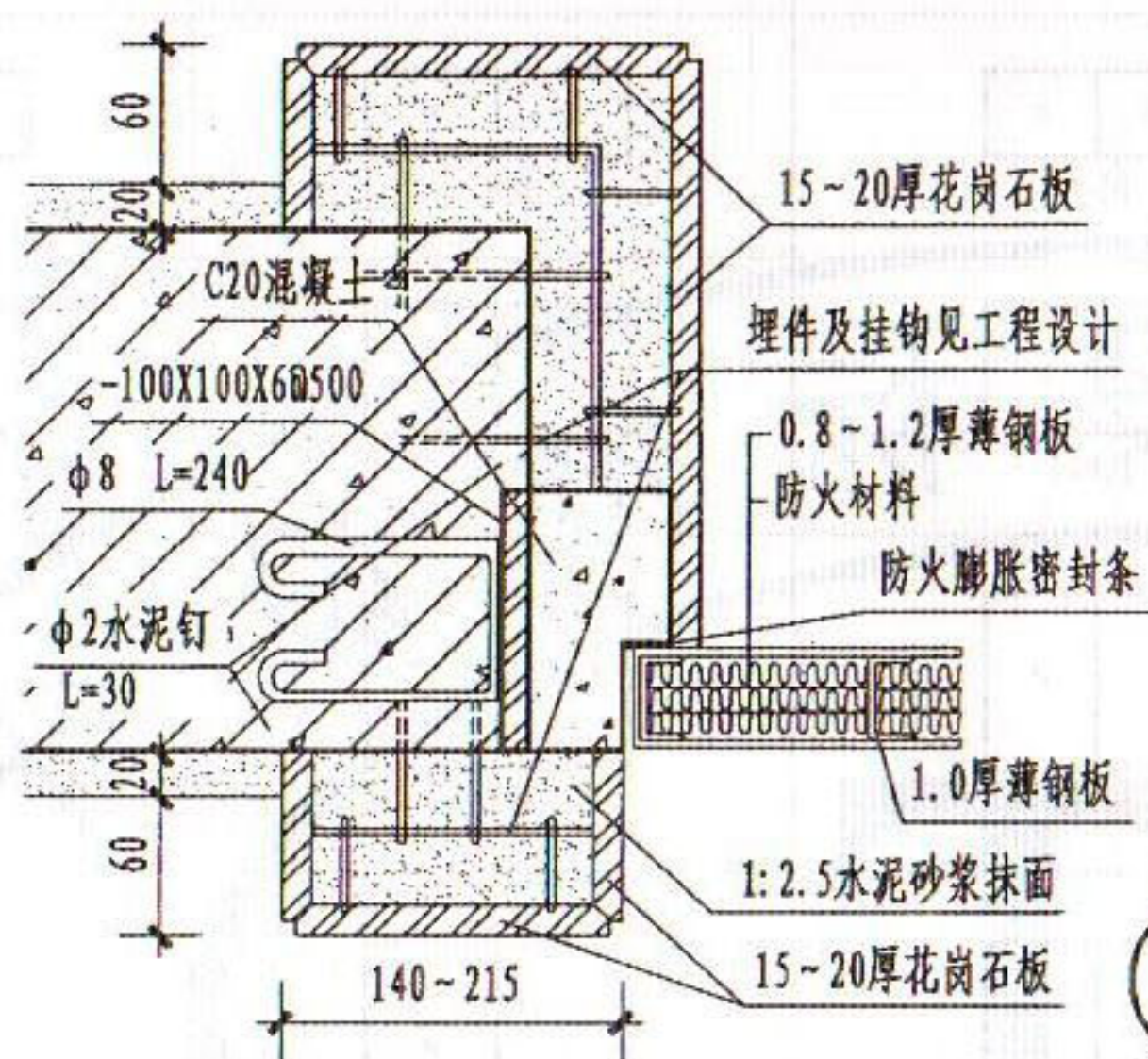
2a 不锈钢板装修



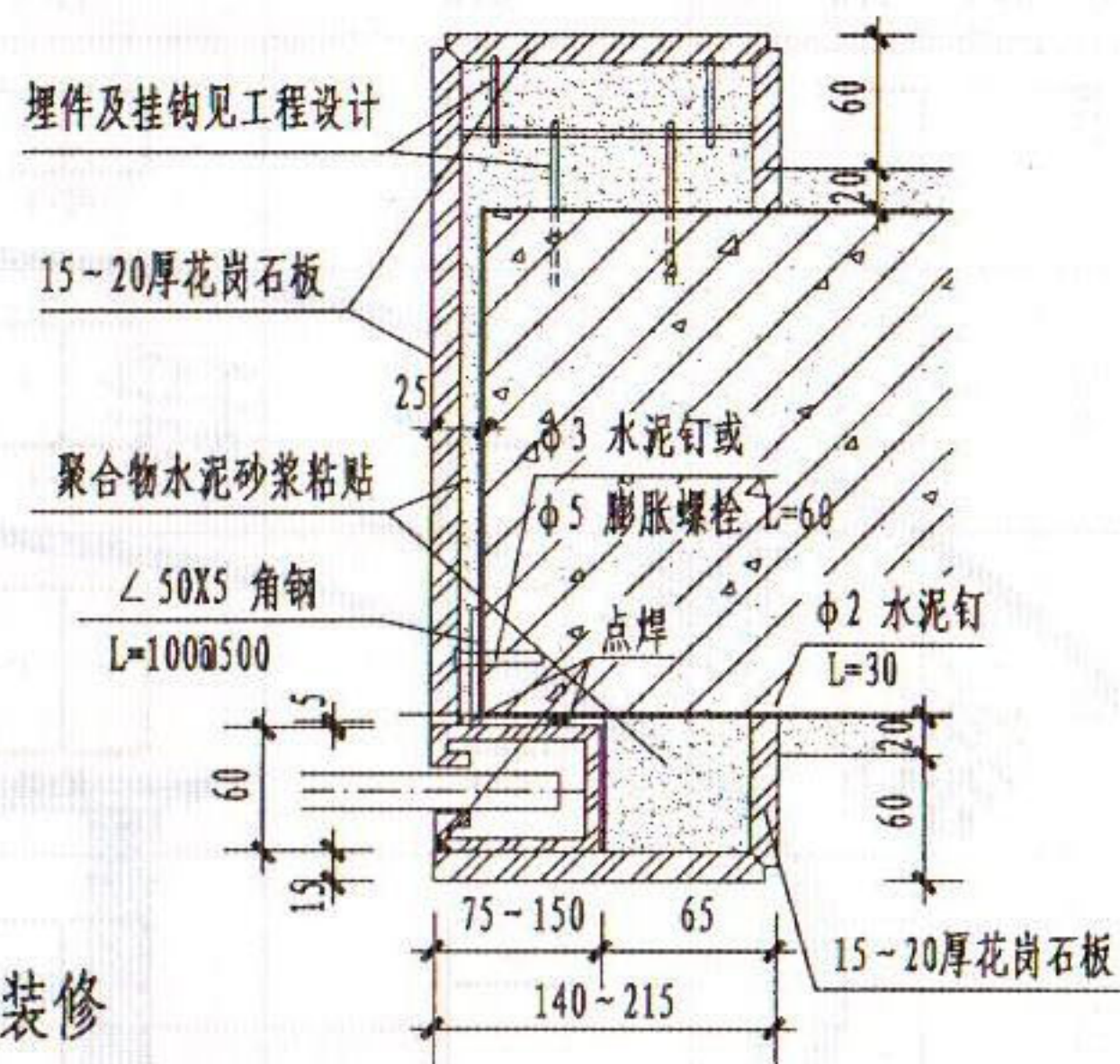
3a 不锈钢板装修



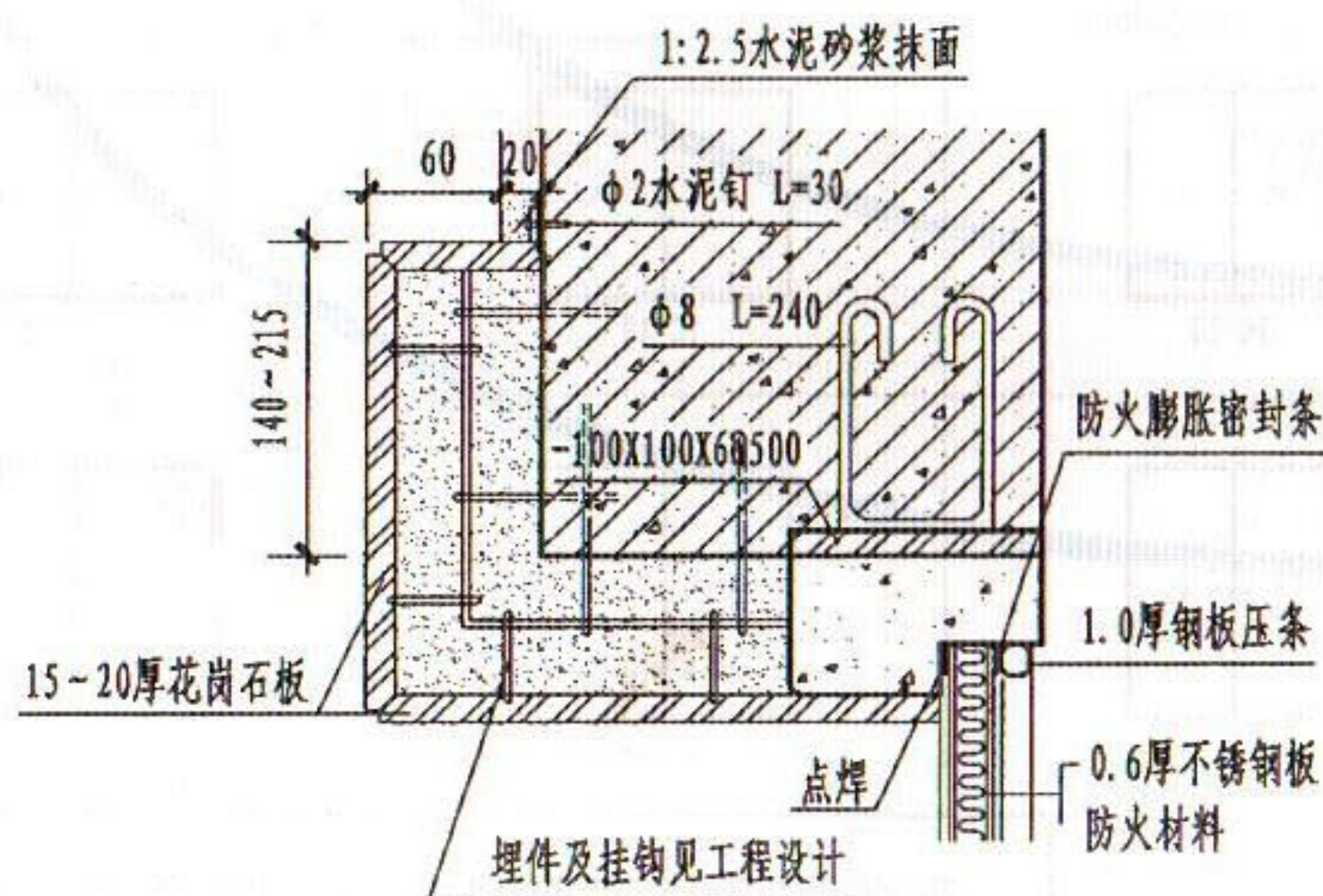
4a 不锈钢板装修




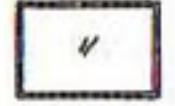
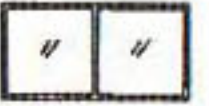





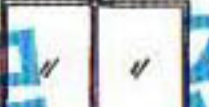










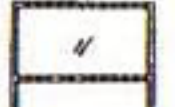






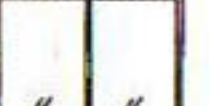
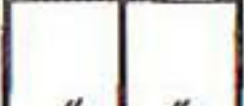








1b 花岗石板装修



3b 花岗石板装修








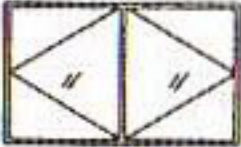


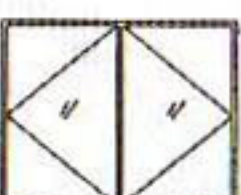


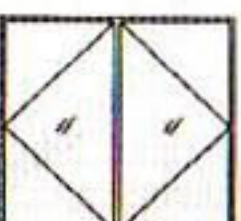


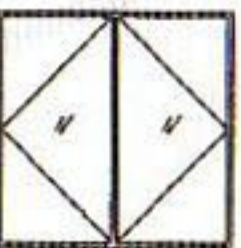
4b 花岗石板装修

洞口尺寸		600	900	1200	1500	1800	2100
框口尺寸		570	870	1170	1470	1770	2070
600	570	 FC-1	 FC-2	 FC-3	 FC-4	 FC-5	 FC-6
900	870	 FC-7	 FC-8	 FC-9	 FC-10	 FC-11	 FC-12
1200	1170	 FC-13	 FC-14	 FC-15	 FC-16	 FC-17	 FC-18
1400	1370	 FC-19	 FC-20	 FC-21	 FC-22	 FC-23	 FC-34
1500	1470	 FC-25	 FC-26	 FC-27	 FC-28	 FC-29	 FC-30
1800	1770	 FC-31	 FC-32	 FC-33	 FC-34	 FC-35	 FC-36

注：固定窗节点与安装详58、60页。

FC钢防火窗选用图(一)

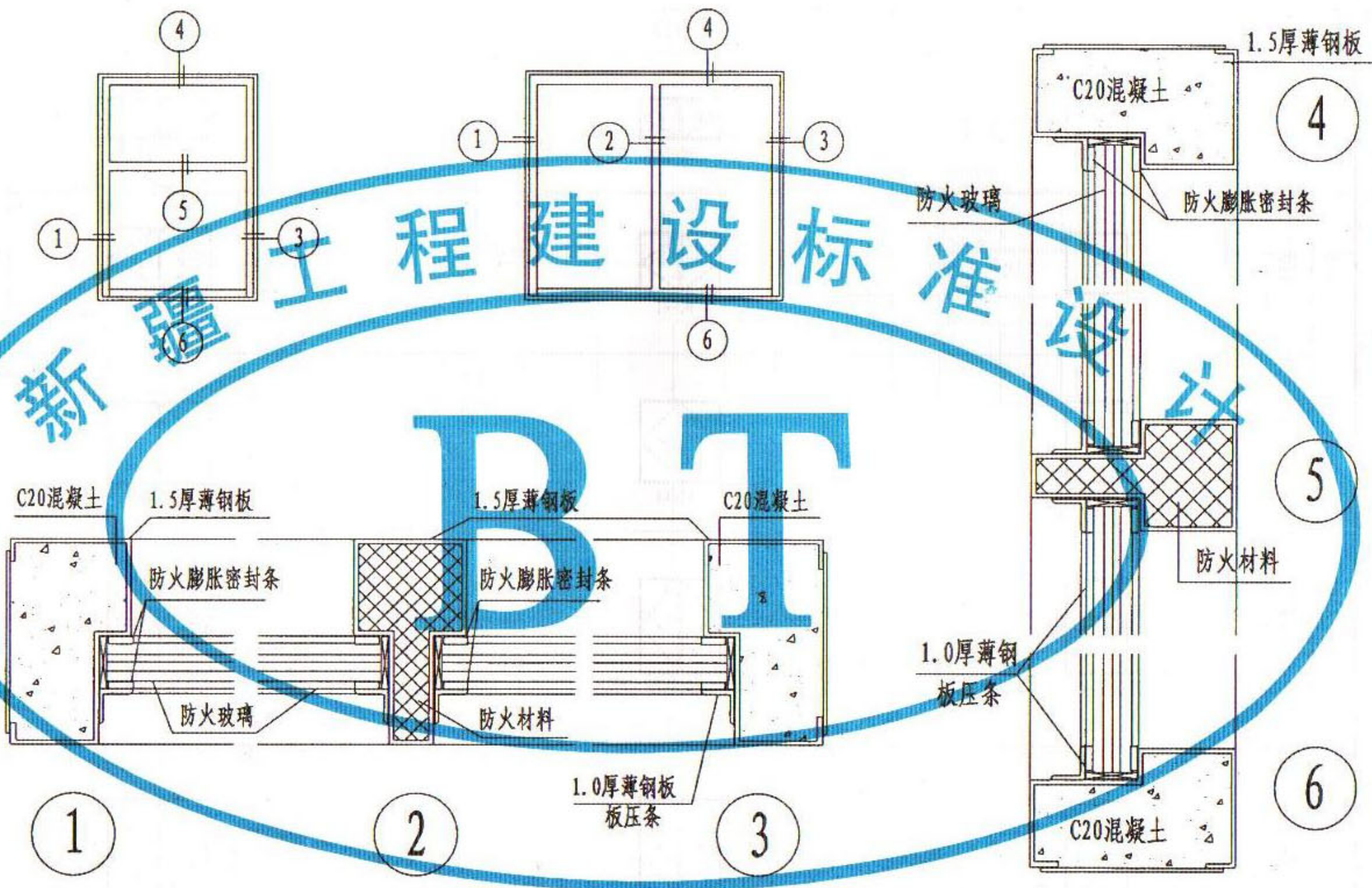
图集号	新04J709
页次	56

洞口尺寸		900	1200	1500
框口尺寸		870	1170	1470
600	570	 FC-37	 FC-38	 FC-39
900	870	 FC-40	 FC-41	 FC-42
1200	1170	 FC-43	 FC-44	 FC-45
1400	1370	 FC-46	 FC-47	 FC-48
1500	1470	 FC-49	 FC-50	 FC-51

注：平开窗节点与安装详59、60页。

FC钢防火窗选用图(二)

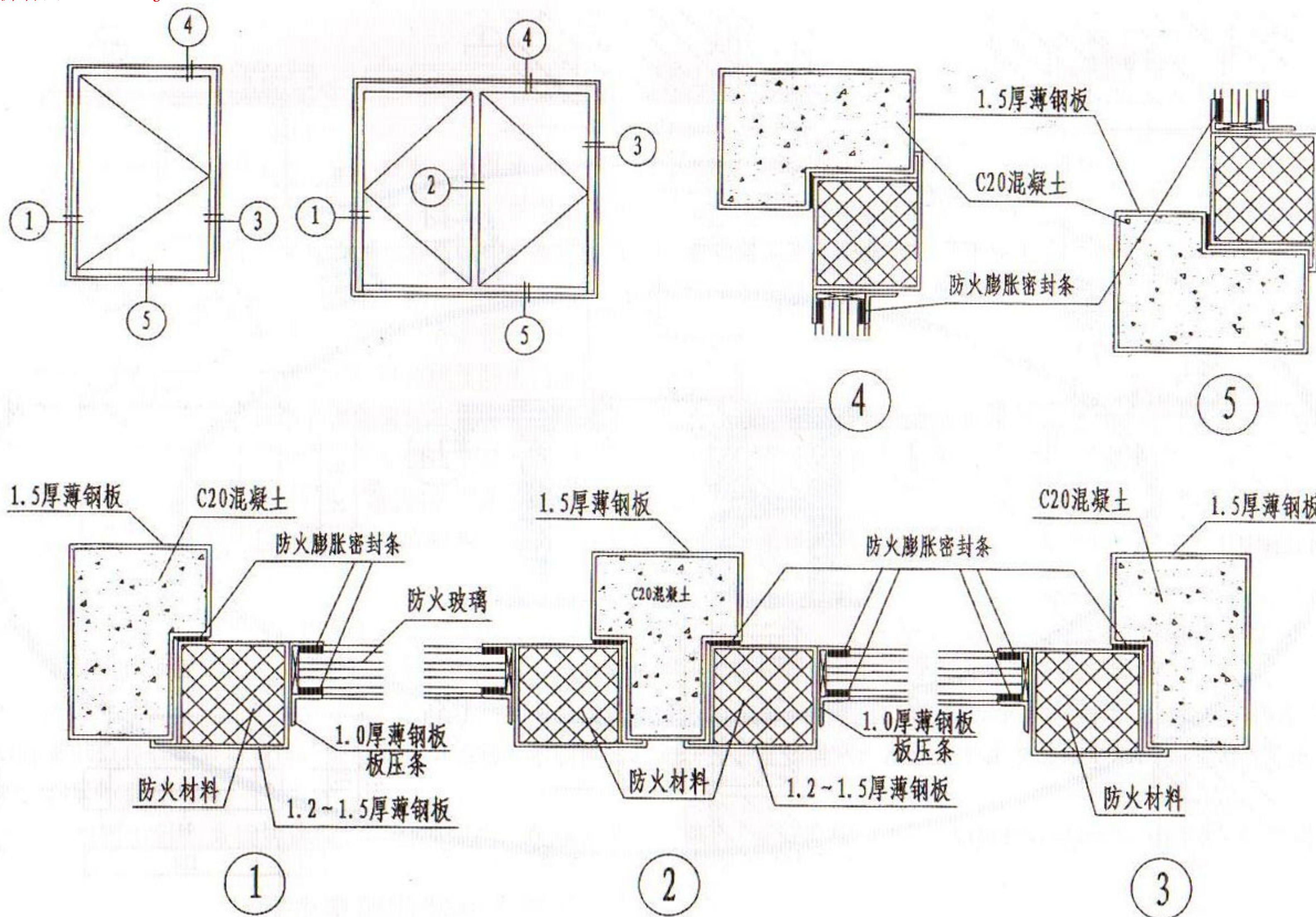
图集号	新04J709
页次	57



注:

1. 窗框料尺寸各厂家略有差异.
2. 防火玻璃为复合型时其厚度与玻璃品种、构造、及耐火极限有关, 一般16~30mm厚.

FC钢防火窗详图

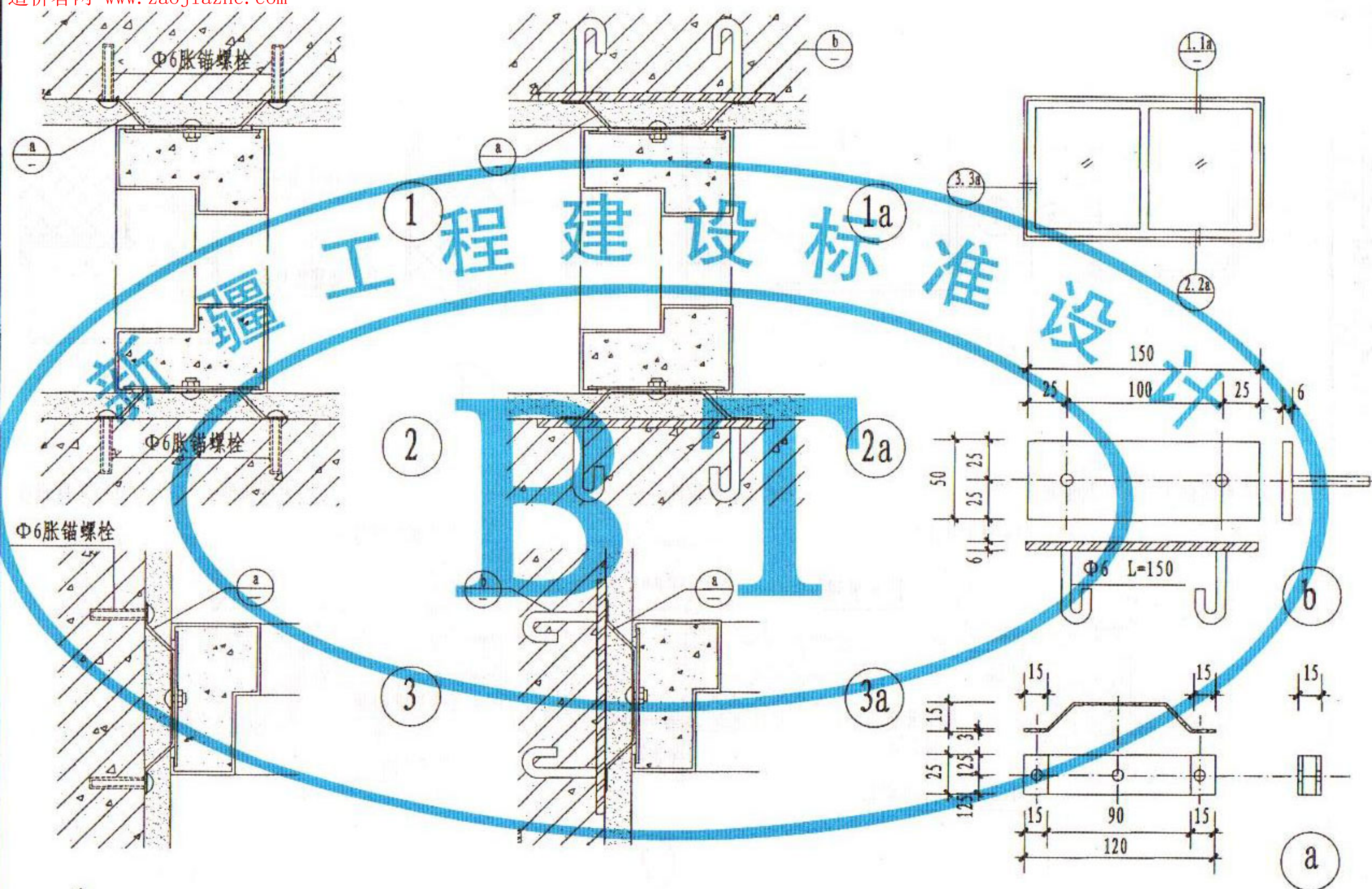


注:

1. 窗框料尺寸各厂家略有差异。
2. 防火玻璃为复合型时其厚度与玻璃品种、构造、及耐火极限有关，一般16~30mm厚。

FC钢防火窗详图

图集号	新04J709
页次	59



注:

1. 适用墙体: a. 钢筋混凝土, b. 混凝土空心砌块(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)。
2. 预埋件①、② 的中距为500~700mm。

FC钢防火窗洞口安装详图

图集号

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钢质、木质防火门，防火卷帘门系列产品介绍

一、产品系列：钢质甲、乙、丙级，木质甲、乙、丙级防火门，防火卷帘门。

二、产品性能：钢质防火门、木质防火门经国家防火建筑材料质量监督检验中心检测，各项耐火性能符合要求。钢质防火门制做牢固、焊点分布均匀，漆面平整、表面光滑、外观大方美观，木质防火门在突出原木特性基础上，外观时尚、轻便。

三、产品用途：广泛用于住宅楼、办公楼、宾馆、厂房等建筑。

四、技术指标：执行GB12955-91《钢质防火门通用技术条件》。

五、公司简介：新疆永良消防器材有限公司，创建于一九八九年六月。是西北地区最早配套生产防火门、特种门的专业厂家之一。目前公司拥有两处大型生产基地，共占地15000平方米，固定资产已达1000多万元，拥有各类先进的生产设备100多台（套）。年生产能力48000平方米，产值可达1200万元。

公司生产的门类产品种类齐全，有钢质甲、乙、丙级防火门、木质甲、乙、丙级防火门、钢质防火窗、防火玻璃、钢质复合型防火卷帘门、防盗安全门、楼寓对讲门、以及保温门、隔音门、金库门、防辐射门等特种门。另外我公司还拥有防火阻燃木、汽车火花熄灭器的生产技术。

我公司产品畅销新疆各地区，远销兰州、玉门及独联体等多个国家和地区，深受国内外用户的好评。

2000年初，为提高公司管理水平，保证产品质量。在本地区同行业率先取得ISO9000质量体系认证，2004年顺利通过该体系94版转2000版的审核，同时我公司的钢、木制防火门均获得公安部消防产品合格评定中心颁发的产品型式认可证书，并顺利通过年检。

我们的质量方针：永远的追求，不断的完善，优良的服务。将以“永远良好”的产品和更加完善的服务真诚为您奉献。

公司名称：新疆永良消防器材有限公司

公司地址：乌鲁木齐市克拉玛依西路汇嘉园小区内

联系电话：0991—8784347 8786776（传真）

法人代表：邹京良

邮政编码：830000

钢质复合防火卷帘门 (EFJ-3236FT4)

双轨双帘无机复合防火卷帘 (TWFFJ-3336-C) 产品介绍

- 一、产品系列：钢质复合防火卷帘、特级防火卷帘门、钢质防火门、木质防火门、普通卷帘。
- 二、产品性能特点：本产品采用先进的夹层结构，耐火性能强，造型新颖，材质性好，并配有承电动操作功能，报警系统联动时可自己控制，具有手动启闭装置；自重下降恒速性能；能使卷帘在任何位置停止；成品更加美观立体感强，型材线条明畅，产品材料具有防锈耐腐蚀功能。
- 三、产品用途：广泛应用于商场、市场、宾馆、饭店、厂房、公共场所防火分隔区，自由扶梯四周和消防通道的隔断。
- 四、技术指标：执行 GB14102-93.Q//WDS01-2002

产品名称		指标	项目	产品名称	指标	项目
钢质复合防火卷帘门		±4	帘板长度公差,mm	双轨双帘无机复合防火卷帘	±20	帘面宽度公差,mm
		±1	帘板宽度公差,mm		±5	帘面厚度公差,mm
		±1	帘板厚度公差,mm		≤15	帘面对角线长度差,mm
		±2	导轨宽度公差,mm		≤20	帘面平行度全长误差,mm
		±2	导轨厚度公差,mm		≥200	双帘帘面间距,mm
		±4	卷轴长度公差,mm		±2	导轨宽度公差,mm
耐火性能	绝热性	在 240min 时间内, 背火面辐射热强度≤0.96W/cm ²				
	完整性	在 240min 时间内,帘板背火面无穿火现象				

- 五、企业简介：乌鲁木齐鼎森门业有限公司创立于 2000 年，是专业生产防火卷帘系列、防火门系列的专业厂家。有专业技术人员 50 余名，年生产能力达 50000 平方米。鼎森人真诚与社会各界朋友携手共进，共创辉煌，拓展未来。

公司名称：乌鲁木齐鼎森门业有限公司

地 址：乌鲁木齐市仓房沟路泰翔大厦 15 楼

联系电话：0991-5581114 (传真)

法人代表：高广明

邮 编：830006

手 机：13999990791

木质防火门、欧式豪华实木门产品介绍

- 一、 产品系列：普通木质防火门、饰面防火门、实木防火门、欧式豪华实木门。
- 二、 产品用途：广泛应用于住宅楼、办公楼、宾馆、厂房等建筑的消防通道。
- 三、 产品性能特点：设计合理，轻便、实用、美观，具有隔音、保温、强度高、易于装饰，防火并抑制火灾蔓延等特点。
- 四、 技术指标：执行 GB14101-93《木质防火门通用技术条件》及 GBJ206-83《木结构工程施工及验收规范》

项 目	构件名称	木质防火门		实木门	
		允许偏差 (mm)		允许偏差 (mm)	
		I 级	II 级	I 级	II 级
翘 曲	框	3		3	
	扇	2		2	
对角线长度	框、扇	2		2	
平整度	扇	2		2	
高、宽	框	0、-1	0、-2	0、-1	0、-2
	扇	1、0	+2、0	1、0	+2、0
结合处	框、扇	0.5	1	0.5	1
水平线	扇	± 1	± 2	± 1	± 2

- 五、 公司简介：安佳木业有限公司组建于 1995 年，是一家集木制品设计、加工、制作、进出口贸易、境外独资企业为一体的两头在外的专业深加工企业。总部设在乌鲁木齐市，下属有安佳木业（俄罗斯）国际有限公司、东莞市安佳木业有限公司、新疆阿拉山口安佳木业贸易有限公司。已通过 ISO9001 质量体系认证。公司有德国、意大利、台湾等国家（地区）先进加工设备和木材干燥设备，主要生产出口实木家俱及木制工艺品、木制门窗，选用进口俄罗斯西伯利高寒地区上等松木、桦木为原料，汲取中外业行业先进的加工工艺，其产品充分显现天然风格，实木家俱、工艺品已远销美国、加拿大、日本等十多个国家，深受中外用户的青睐；欧式豪华实木门和木质防火门远销南北疆地区，并以其上乘的质量、优质的服务而赢得市场。我们愿以安佳人精工细作的产品，高效周到的服务接近与您的距离！您的需要是我们安佳人永恒的追求！

公司名称：乌鲁木齐市安佳木业有限公司
地 址：乌市过境公路 215 号

法人代表：崔进全
邮 编：830026

联系电话：0991-8784151 、8788306
传 真：0991-8784122