

辽宁省建筑标准设计

建筑标准图集

围 墙 大 门

统一编号: DBJT 05—61

图集号: 辽 92J902

沈阳市民用建筑设计研究院编制

1 9 9 3

说 明

- 一、本图集适用于一般民用建筑,如条件适宜也可用于一般工业建筑。
- 二、本图集包括围墙及大门两部分。其中围墙分三种形式,大门分三种形式。
 - (一)、围墙
 - 1、砖砌围墙编号为 WF(WF-1~WF-9);
 - 2、半透空式砖砌围墙编号为 WBF(WBF-1~WBF-9);
 - 3、透空式金属围墙编号为 WT(WT-1~WT-1-9)。
 - (二)、大门
 - 1、钢大门:
 - 角钢框、金属栏杆门编号为 MA(MA-1~MA-6)。
 - 2、钢管大门:
 - (1)、钢管框、钢板网门编号为 MB(MB-1~MB-3)。
 - (2)、钢管框带小门大门编号为 MB(MB-A 为金属栏杆门,MB-B 为钢板网门)。
 - (3)、钢推拉大门:编号为 MC-A。
- 三、本图集所用材料除注明外,砖砌体不低于 MU10 红砖;地下部分为 M5 水泥砂浆,地上部分为 M2.5 混合砂浆。钢筋混凝土为 C20 混凝土,钢筋采用 I 级钢,金属构件为 3 号钢。

- 四、本图集围墙基础分为连续条形基础(毛石砌体或砖砌体)及承墙梁式基础两种。其中毛石基础采用 MU30 毛石、M5 水泥浆砌筑。采用何种基础,根据材料及地质情况由单体设计确定。
- 五、本图集基础埋深 H,根据我省不同地区冻深情况由单体设计确定。
- 六、本图集围墙长度超过 60m 时,应设伸缩缝,其位置均在砖垛处,详见 8 页。
- 七、本图集流水洞均为每 6~7m 设一个,洞口尺寸为 120×120,其内壁抹 20 厚 1:2 水泥砂浆,内掺 5%防水剂。
- 八、本图集围墙转角处均做 370×370 砖柱。
- 九、本图集防潮层位于墙身 0.06m 处,均抹 20 厚 1:2 水泥砂浆,内掺 5%防水剂。
- 十、本图集围墙、门柱等外饰面材料均由单体设计确定。
- 十一、本图集金属构件均为焊接,所有焊缝必须锉平磨光。

说 明

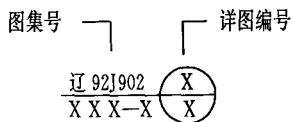
图集号	辽 92J902
页	2

十二、本图集金属构件应先除锈、刷防锈漆一道，再刷调合漆二道，颜色由单体设计确定。

十三、本图集有关施工质量要求除注明外，均按国家有关施工验收规范规定执行。

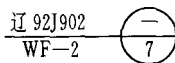
十四、本图集所注尺寸均以毫米为单位。

十五、本图集详图索引方式如下



围墙(大门)编号 详图所在页次

例:选用砖砌围墙 WF-2, 第 7 页详图

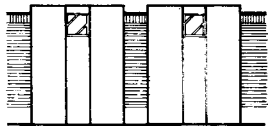


说 明

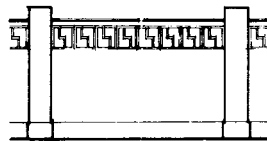
图集号	辽 92J902
页	3



WF-1



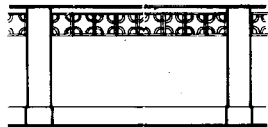
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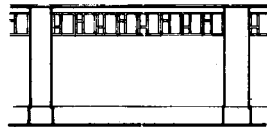
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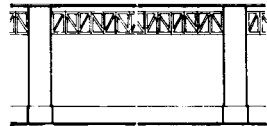
WF-4



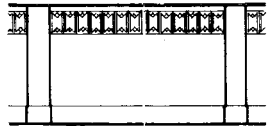
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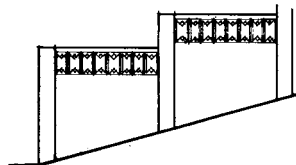
WF-6



WF-7



WF-8



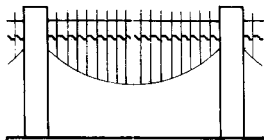
WF-9

砖砌围墙编号

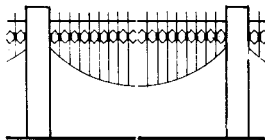
图集号 辽 92J902

页

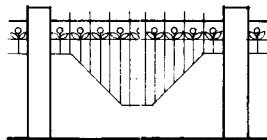
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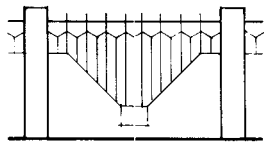
WBF-1



WBF-2



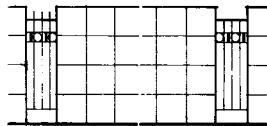
WBF-3



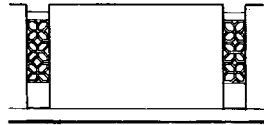
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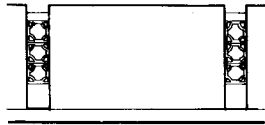
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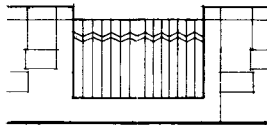
WBF-6



WBF-7

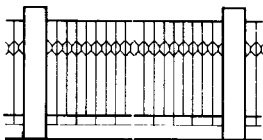
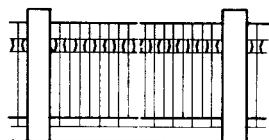
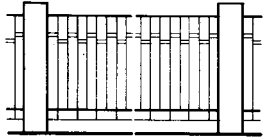
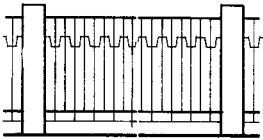
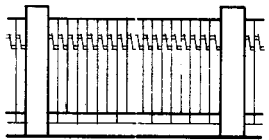
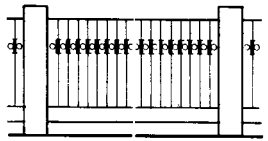
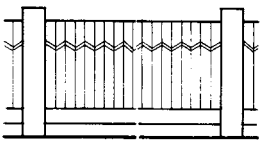
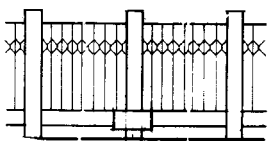


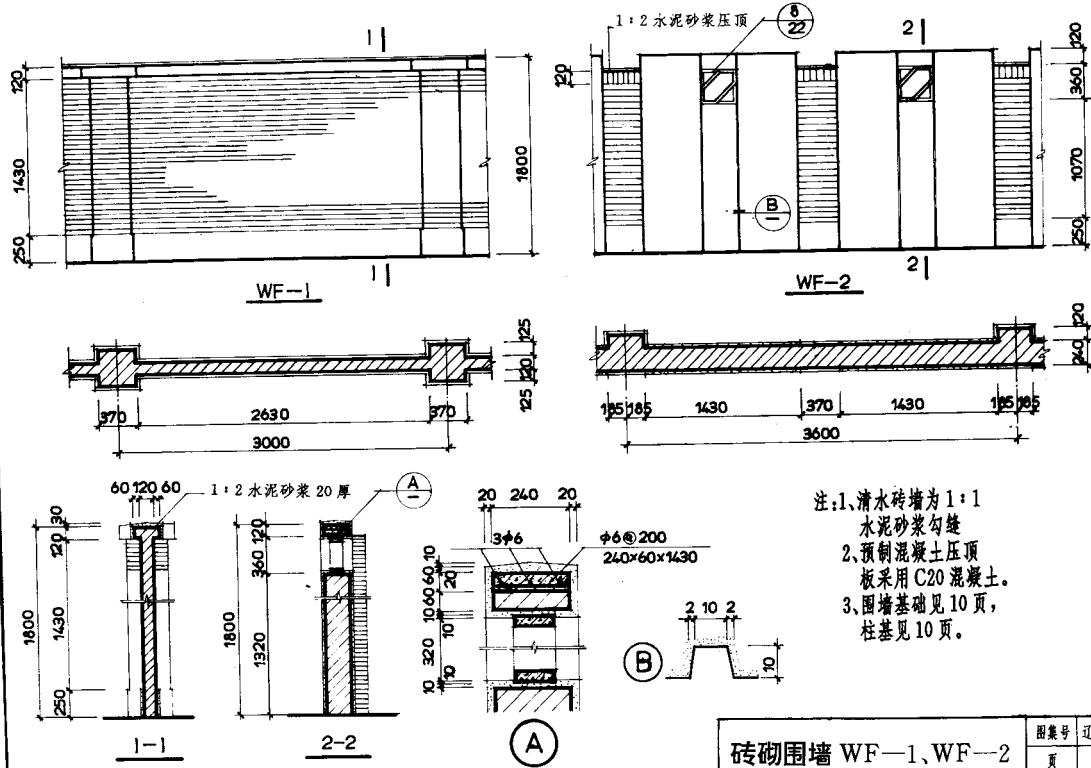
WBF-8



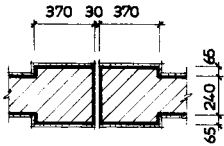
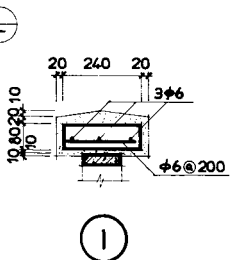
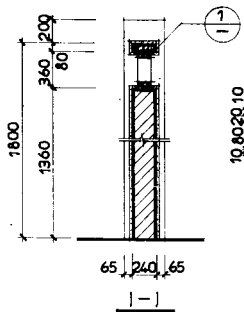
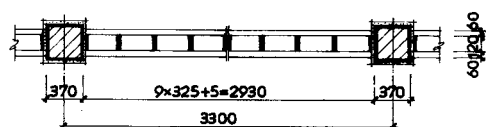
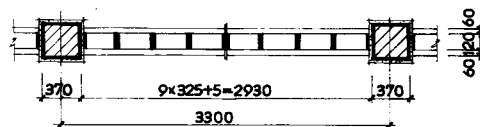
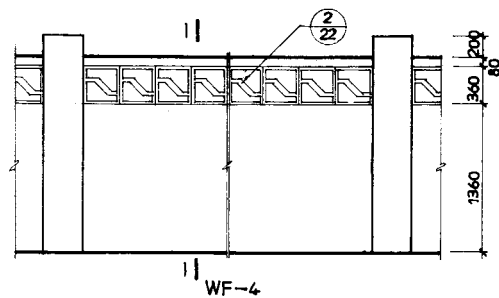
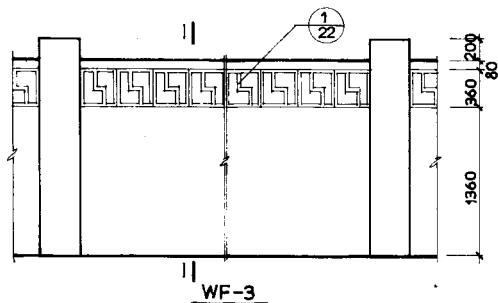
WBF-9

半透式砖砌围墙编号

校 对 起 源 设 计 王 世 水			
	WT-1	WT-2	WT-3
			
	WT-4	WT-5	WT-6
			
WT-7	WT-8	WT-9	
透空式金属围墙编号			图 案 号 辽 921902 页 6



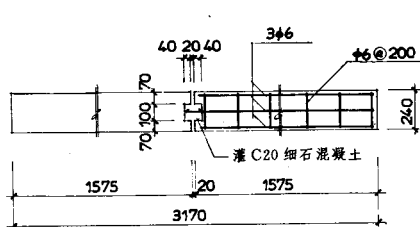
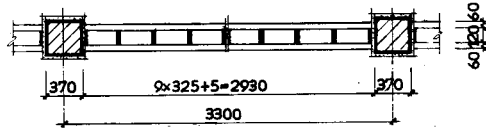
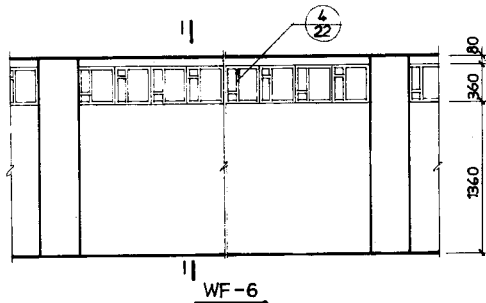
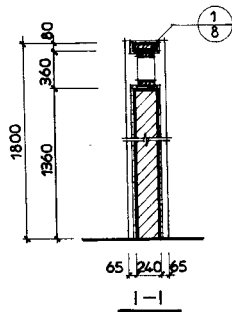
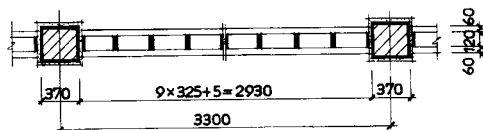
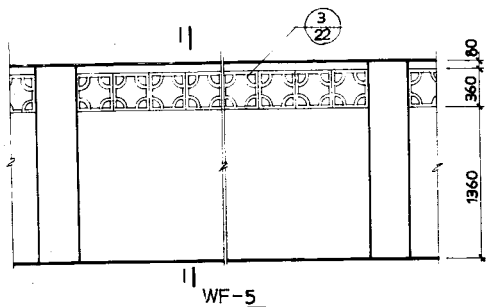
砖砌围墙 WF-1、WF-2



注:1、预制混凝土压顶板采用C20混凝土。
2、围墙基础见10页或13页,柱基见10页或12页。

砖砌围墙 WF-3、WF-4

图 号	辽 92/902
页	8

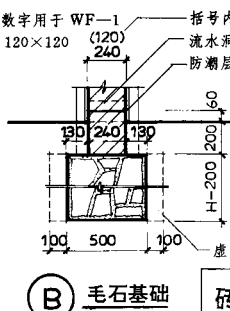
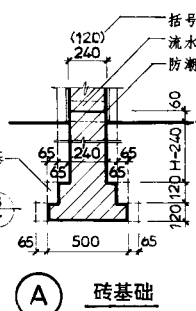
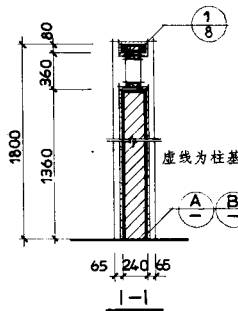
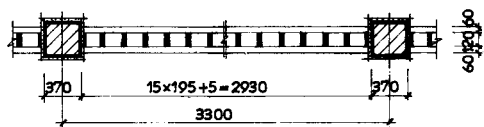
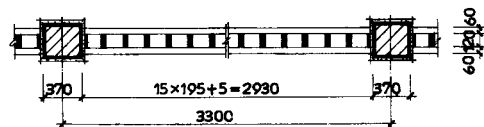
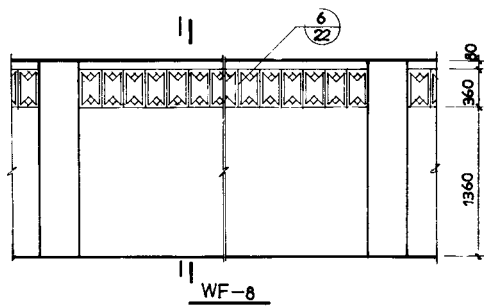
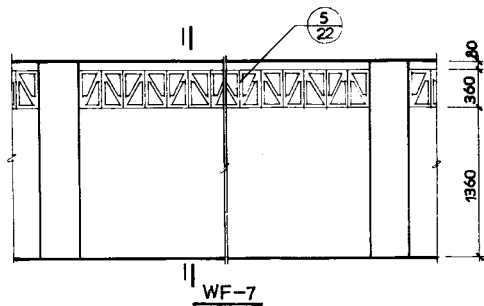


预制混凝土压顶板

注:1.预制混凝土压顶板采用 C20 混凝土。
2.围墙基础见 10 页或 13 页,柱基见 10 页或 12 页。

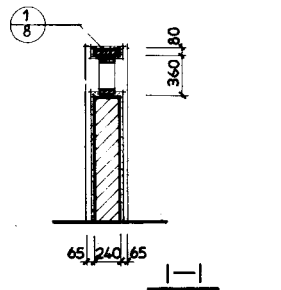
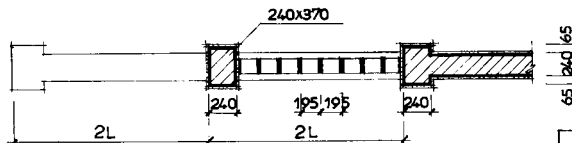
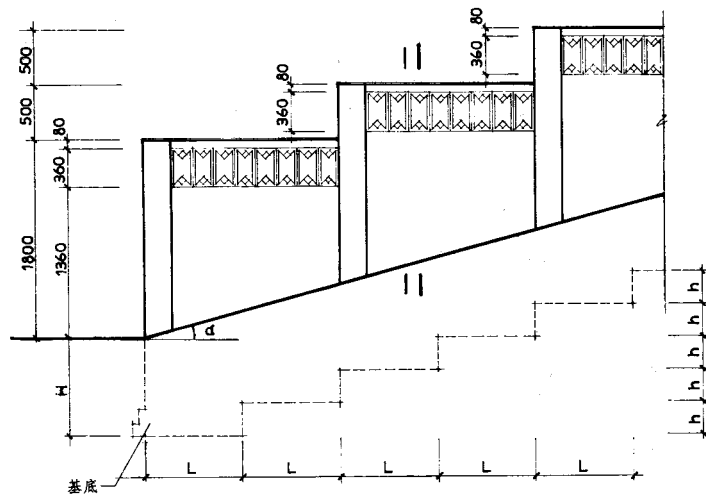
砖砌围墙 WF-5、WF-6

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- 注:1.预制混凝土压顶板采用 C20 混凝土。
2.围墙基础见本页或 13 页, 柱基见本页或 12 页。
3.H 为本地区标准冻结深度。

砖砌围墙 WF-7、WF-8



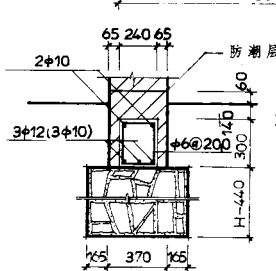
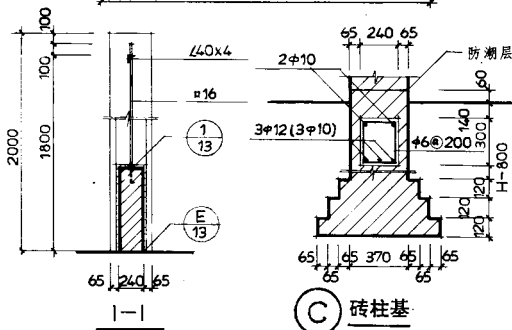
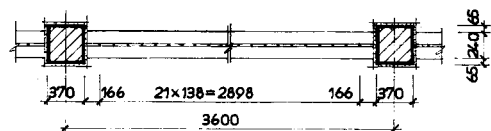
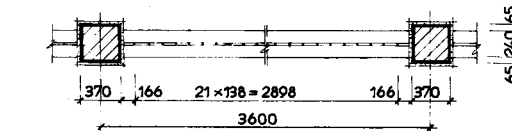
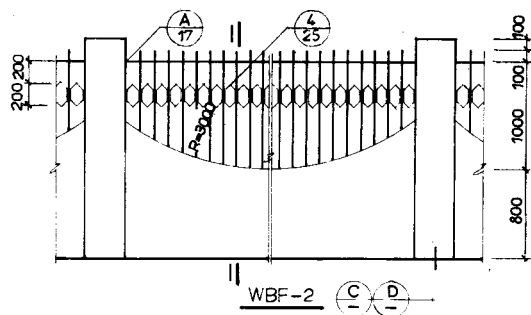
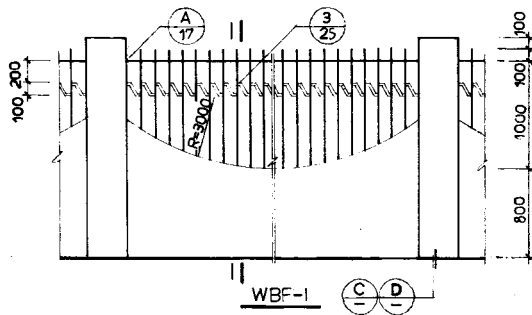
预制混凝土压顶板配筋

注:1、预制混凝土压顶板采用
C20 混凝土。

2、围墙基础见10页，柱基见10页。

$$3. \operatorname{tg} \alpha = h/L \leq 1/2, L \leq 1000.$$

砖砌围墙 WF—9



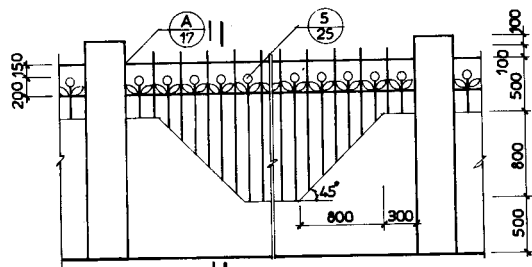
注:1、围墙基础见10页或13页,
柱基见10页或本页。
2、括号内数字仅用于WT-
1~WT-6。
3、H为本地区标准冻结深度。

① 砖柱基

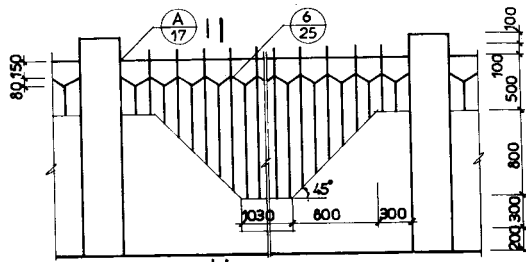
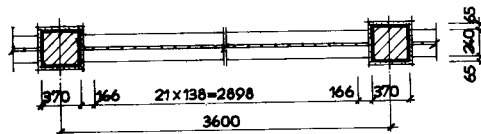
② 毛石基础

半透空式砖砌围墙 WBF-1、WBF-2

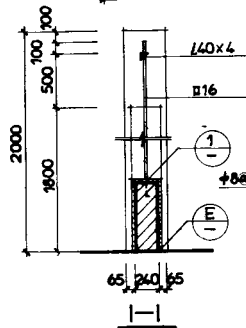
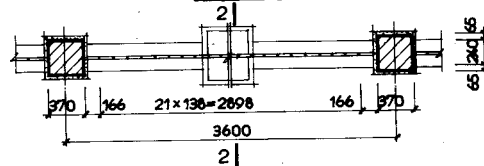
图 集 号	辽 92J902
页	12



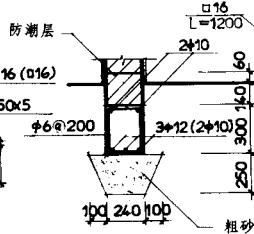
WBF-3



WBF-4

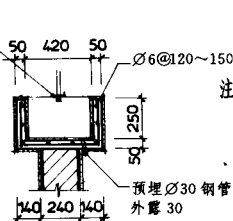


I



E

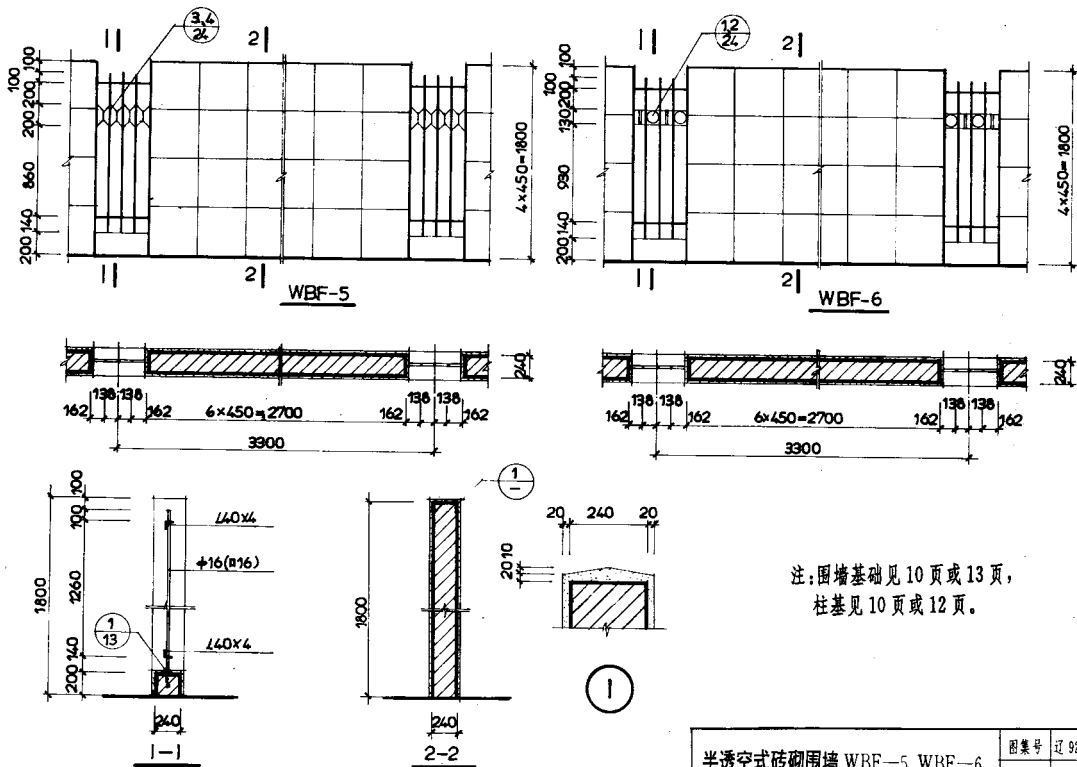
承墙梁基础



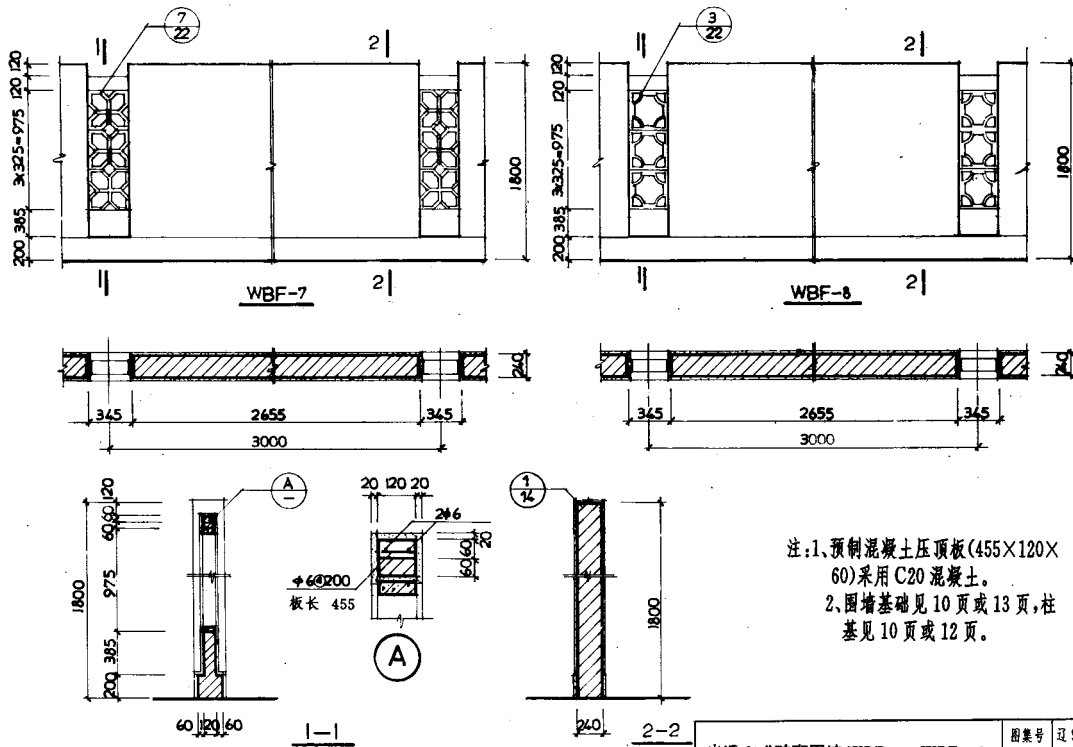
2-2

- 注:1、围墙基础见10页或本页,
柱基见10页或12页。
2、括号内数字仅用于
WT-1~WT-6。

半透空式砖砌围墙 WBF-3、WBF-4



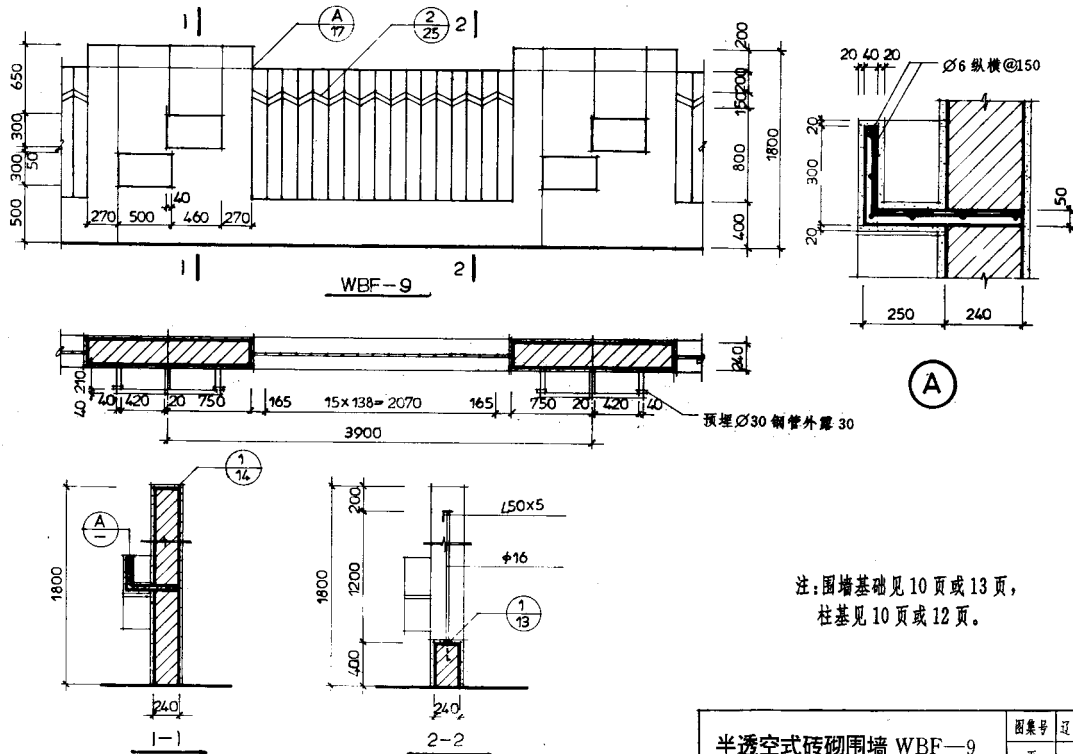
半透空式砖砌围墙 WBF-5、WBF-6



注:1、预制混凝土压顶板(455×120×60)采用C20混凝土。
2、围墙基础见10页或13页,柱基见10页或12页。

半透空式砖砌围墙 WBF-7、WBF-8

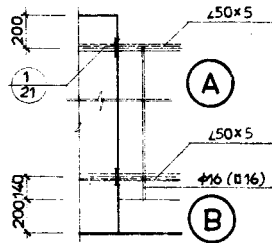
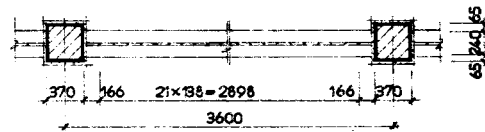
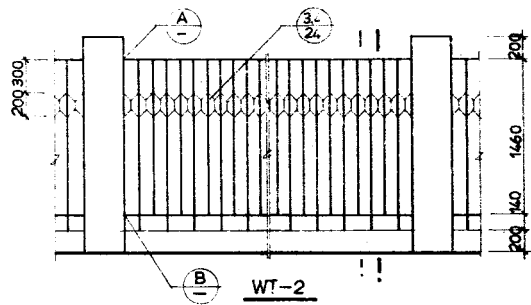
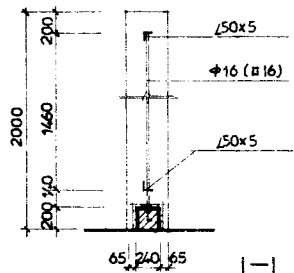
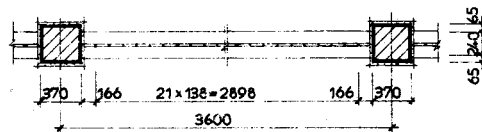
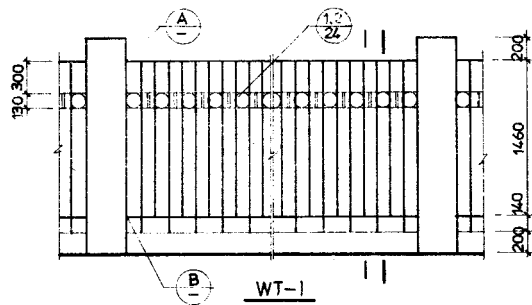
图集号	辽 92J902
页	15



注:围墙基础见10页或13页,
柱基见10页或12页。

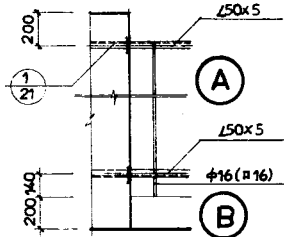
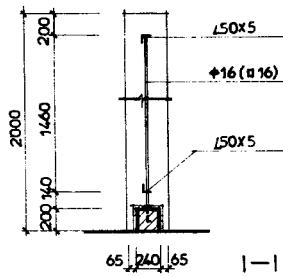
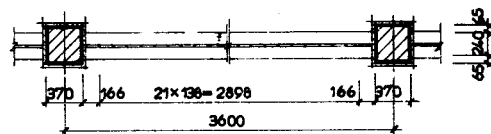
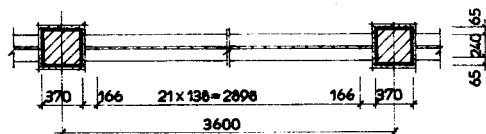
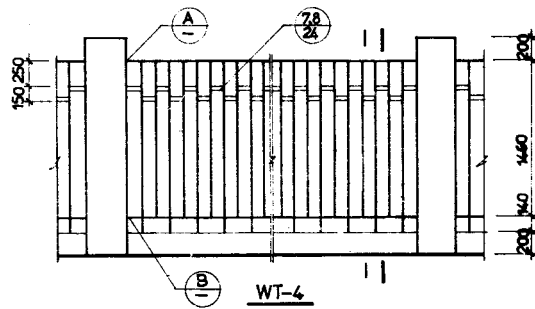
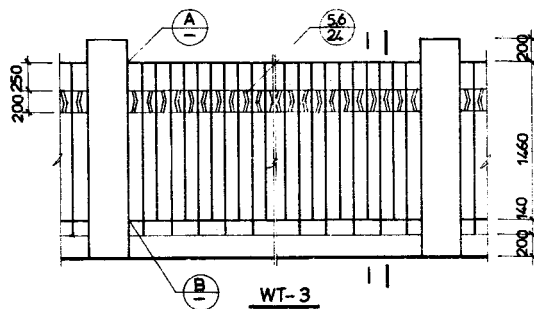
半透空式砖砌围墙 WBF-9

图样号	辽 92J902
页	16



注:围墙基础见10页或13页,
柱基见10页或12页。

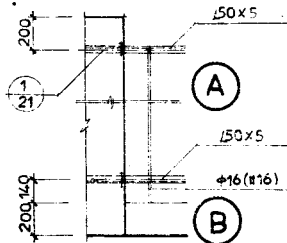
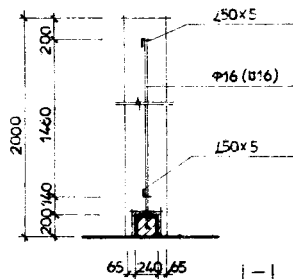
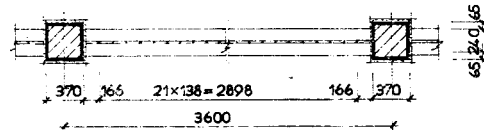
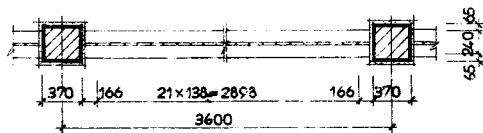
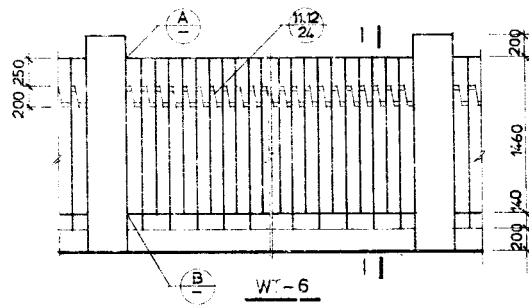
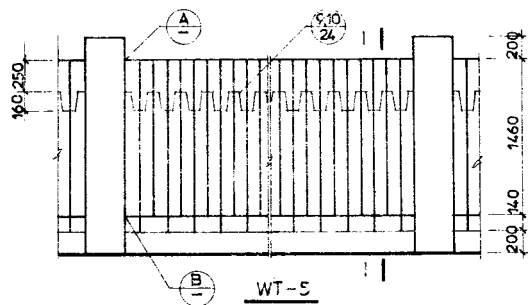
透空式金属围墙 WT-1、WT-2



注:围墙基础见10页或13页,
柱基见10页或12页。

透空式金属围墙 WT-3、WT-4

图编号	互 92J902
页	18

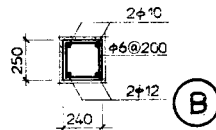
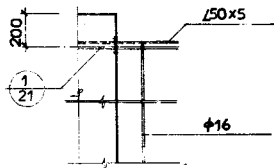
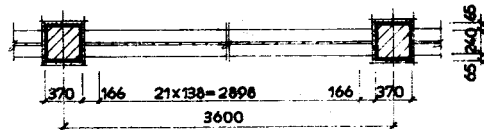
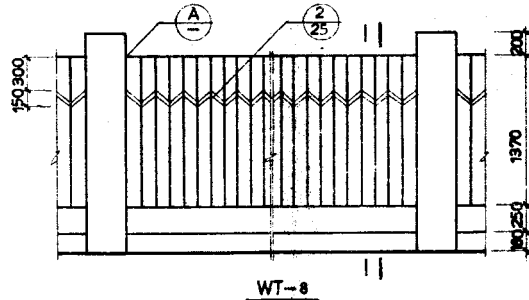
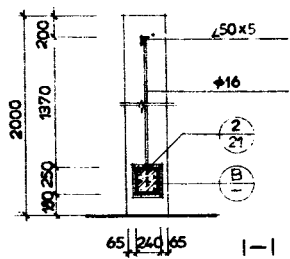
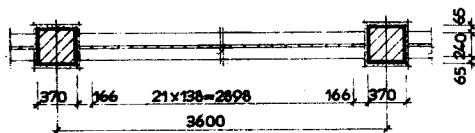
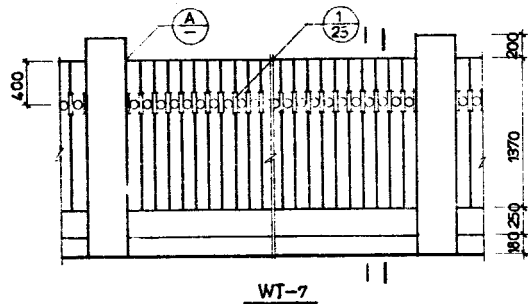


注:围墙基础见10页或13页,
柱基见10页或12页。

透空式金属围墙 WT-5、WT-6

图样号 辽 92J902

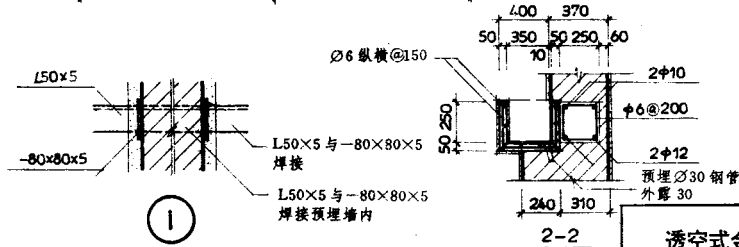
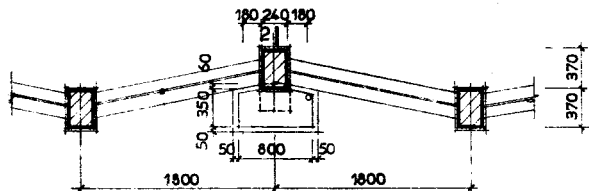
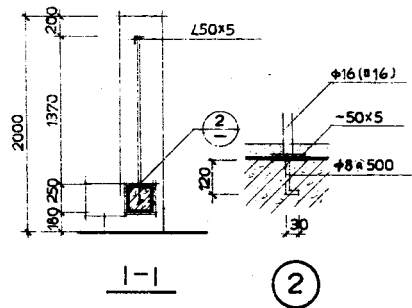
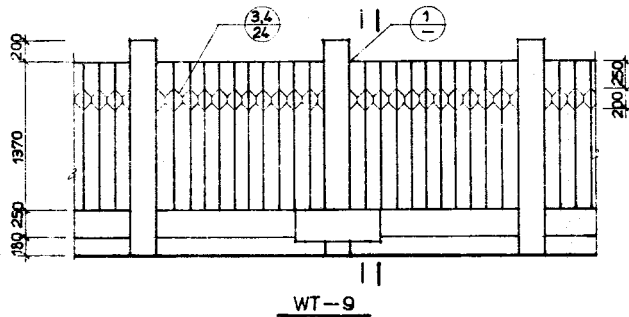
页 19



注：围墙柱基见12页。

透空式金属围墙 WT-7、WT-8

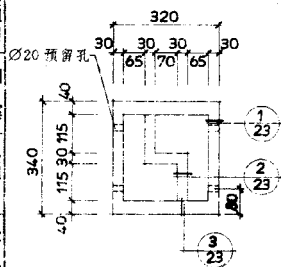
图样号	辽 92J902
页	20



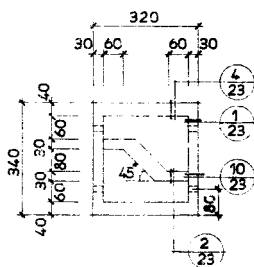
注:围墙柱基见12页。

透空式金属围墙 WT-9

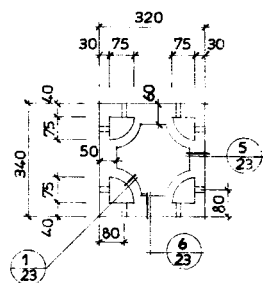
图集号	辽 92J902
页	21



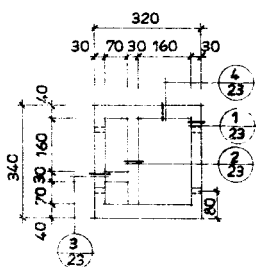
1



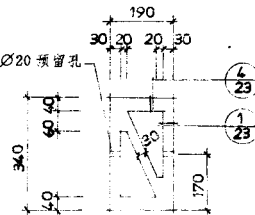
2



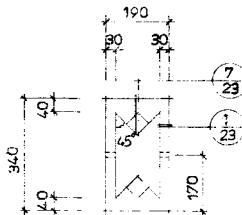
3



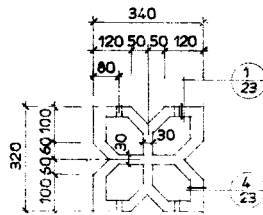
4



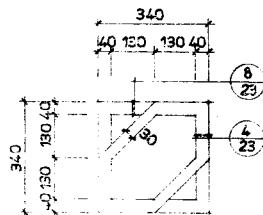
5



6



7



8

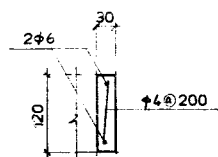
注: 1、花格采用 C20 细石混凝土; 2、花格与墙体及花格与花格连接见 23 页 ⑪、⑫

围墙混凝土花格

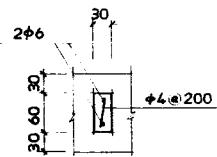
图 集 号 辽 92J964

页

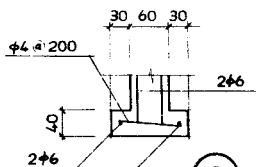
22



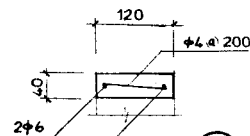
①



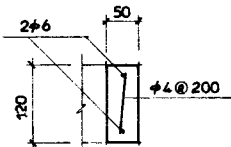
②



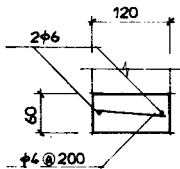
③



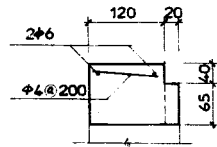
④



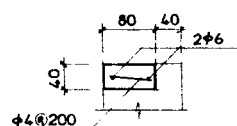
⑤



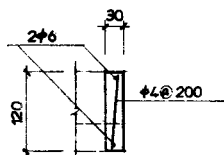
⑥



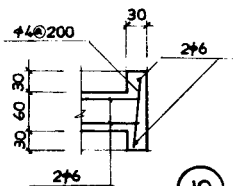
⑦



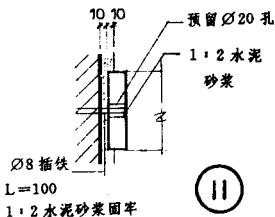
⑧



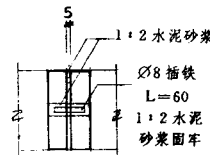
⑨



⑩



⑪



⑫

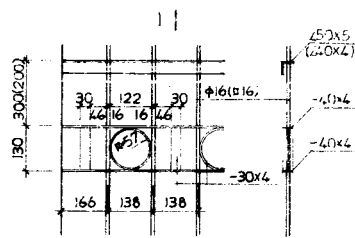
注:花格采用C20细石混凝土预制。

围墙混凝土花格

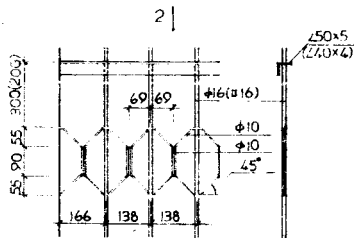
图集号 辽92J902

页

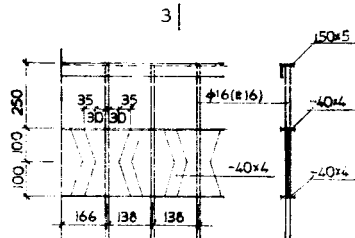
23



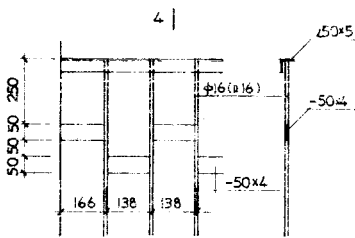
①圆钢 ②方钢 1-1



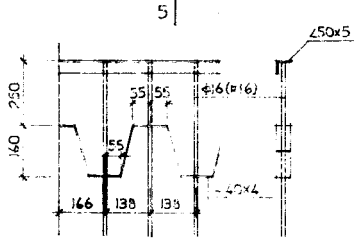
③圆钢 ④方钢 2-2



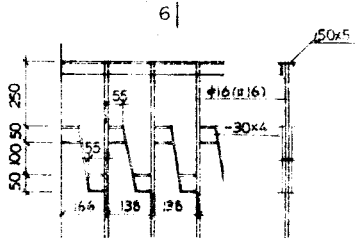
⑤圆钢 ⑥方钢 3-3



⑦圆钢 ⑧方钢 4-4



⑨圆钢 ⑩方钢 5-5



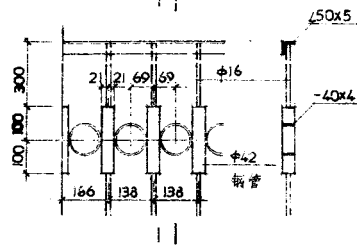
⑪圆钢 ⑫方钢 6-6

注:花饰铁件与铁件之间的连接均为焊接,所有焊缝须进行磨光。

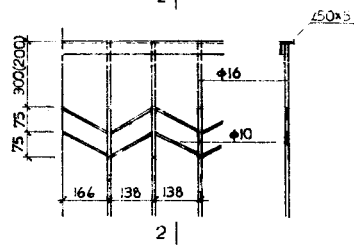
围墙铁花饰

图号: 11021900

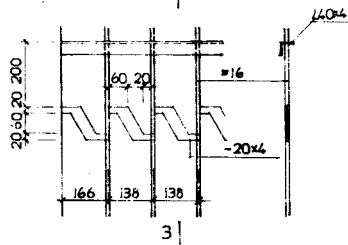
页 24



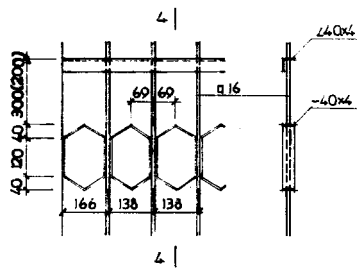
① 圆钢



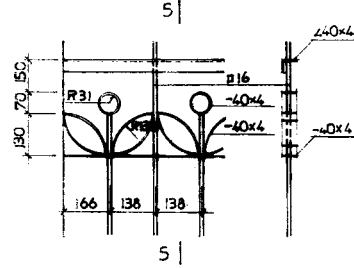
②圆钢



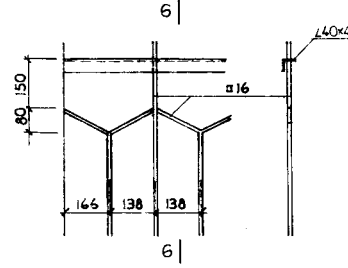
③ 方钢



④ 方钢



⑤ 方钢



⑥ 方钢

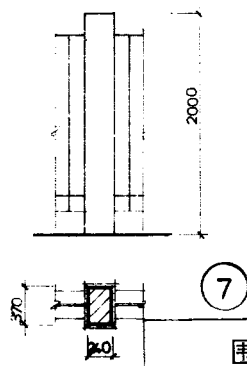
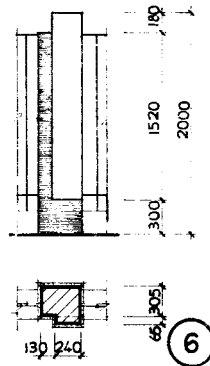
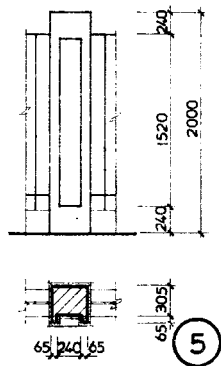
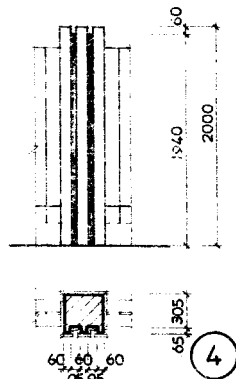
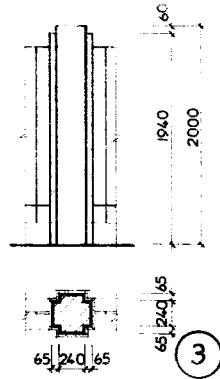
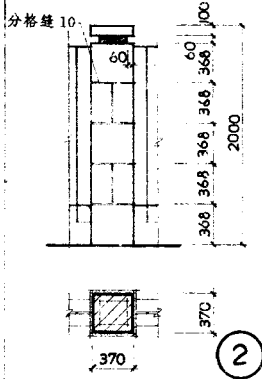
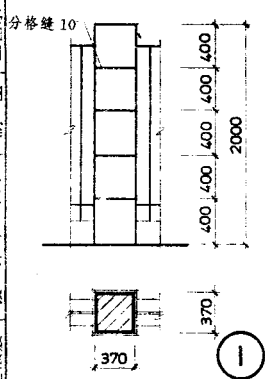
注:花饰铁件与铁件之间的连接均为焊接,所有焊缝须锉平磨光。

围墙铁花饰

图集号	辽 92J902
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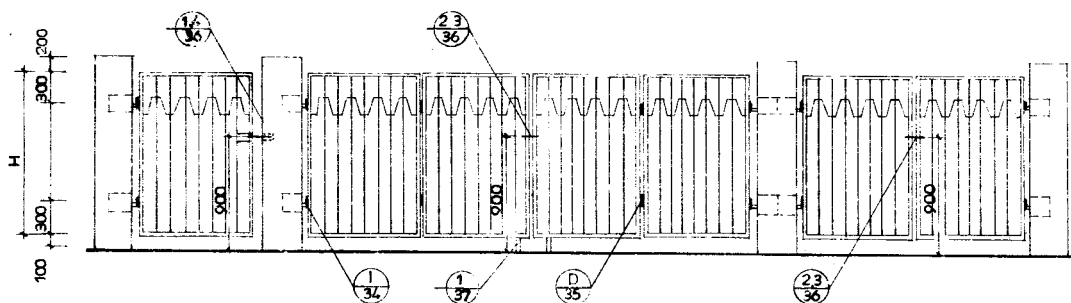
頁

25

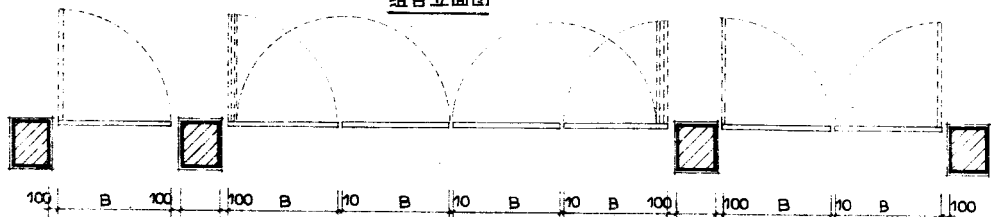


注:1、围墙柱施工时应配
合围墙设计图预埋
铁件及预留孔。
2、围墙柱基础见10
页或12页。

围 墙 柱



组合立面图



组合平面图

门扇宽度B	单扇门	双扇门	四扇门
B=1030	1230	2270	4358
B=1168	1368	2546	4902
B=1306	1506	2822	
B=1444	1644	3088	

注:1、大门门轴一般设于门柱内缘,如将门柱设于柱中时,应在单体设计中注明,便于调整砌块位置。

2、门轴子埋件,埋入240×240×240C20混凝土予制块中,砌在门柱内。

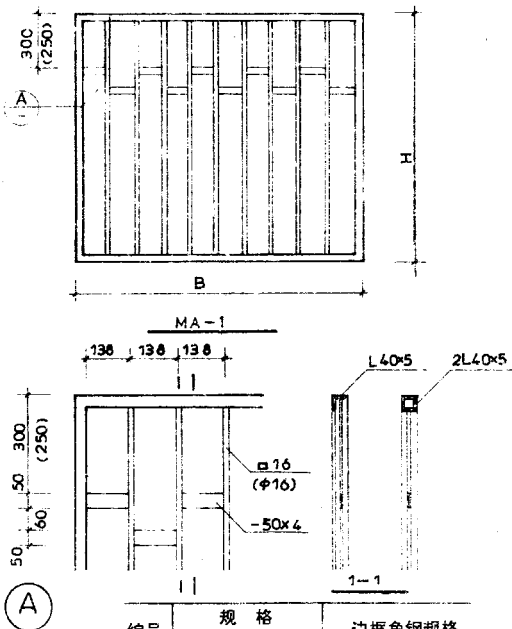
3、门的规格由单位设计选定。

钢大门组合示意图

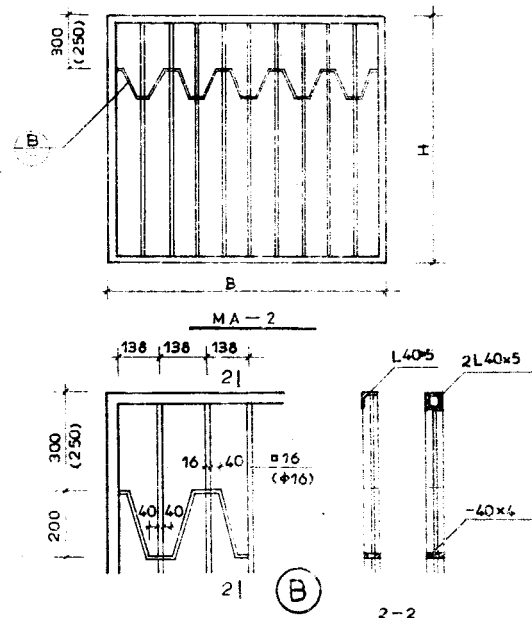
图集号 辽92J902

页

27



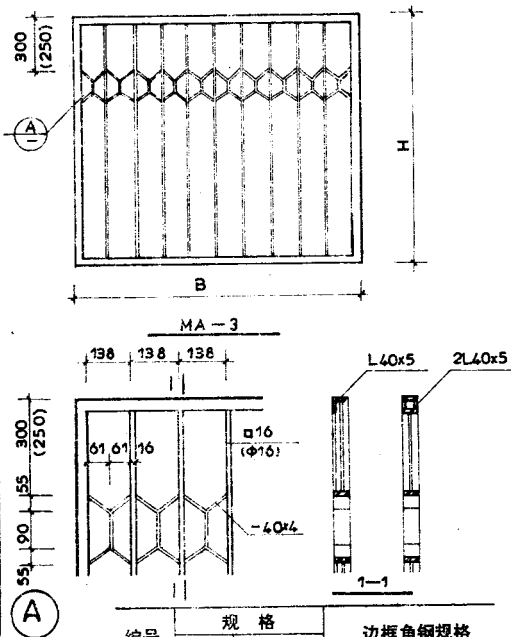
编号	规格		边框角钢规格	
	B	H		
①	1030	1500~1700	2L40×5	L40×5
②	1168	1500~1700	2L40×5	L40×5
③	1306	1500~1700	2L40×5	L40×5
④	1444	1500~1700	2L40×5	L40×5



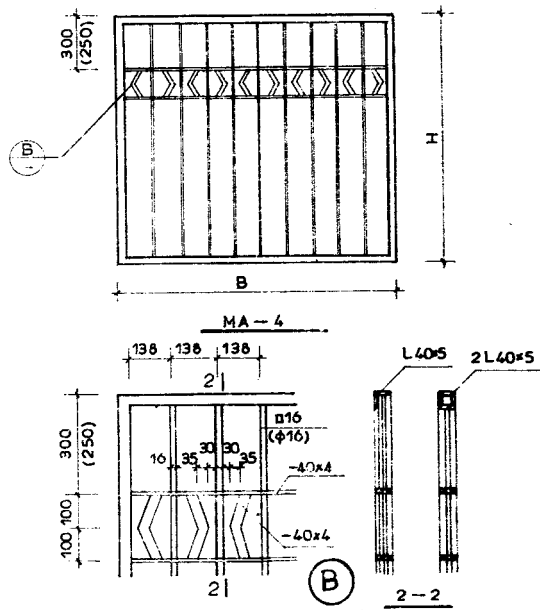
- 注:1、大门边框分两种规格,栏杆亦分两种,选用时由单体设计注明。
2、门的规格由单体设计按编号选择。
3、表格共用。

钢 大 门

数量	521902
页	78

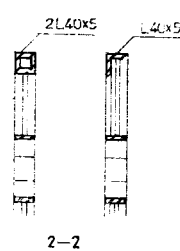
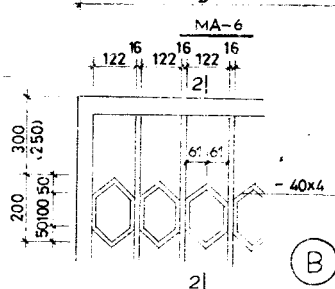
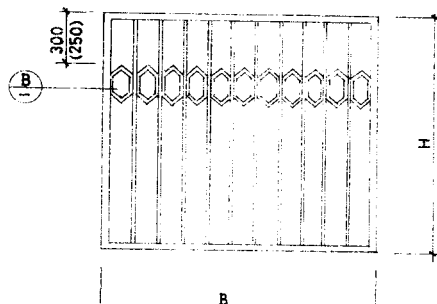
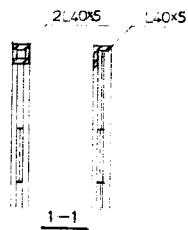
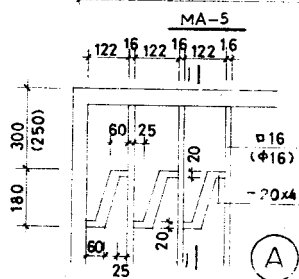
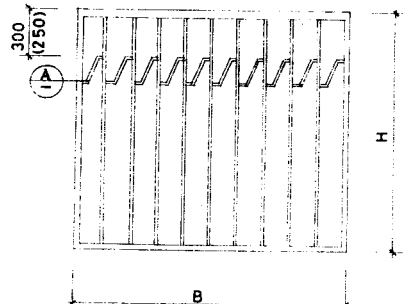


编号	规格		边框角钢规格	
	B	H		
①	1030	1500~1700	2L40x5	L40x5
②	1168	1500~1700	2L40x5	L40x5
③	1306	1500~1700	2L40x5	L40x5
④	1444	1500~1700	2L40x5	L40x5



- 注:1、大门边框分两种规格,栏杆亦分两种,选用时由单体设计注明。
2、门的规格由单体设计按编号选择。
3、表格共用。

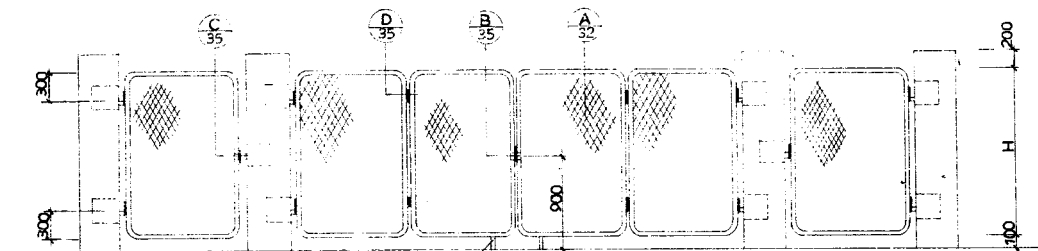
钢大门



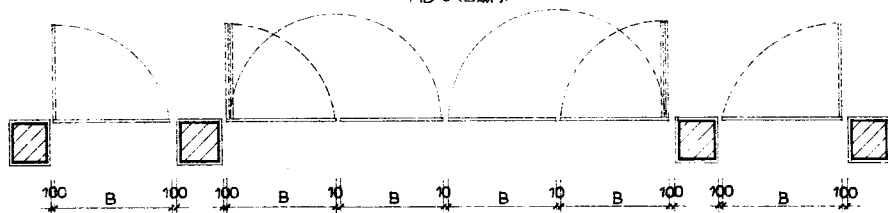
编号	规 格		边框角钢规格	
	B	H		
①	1030	1500~1700	2L40×5	L40×5
②	1168	1500~1700	2L40×5	L40×5
③	1306	1500~1700	2L40×5	L40×5
④	1444	1500~1700	2L40×5	L40×5

注:1、大门边框分两种规格,栏杆亦分两种,选用时由单体设计注明。
2、门的规格按编号由单体设计选择。
3、表格共用。

钢 大 门



②
37 组合立面图
MB-3 (四扇门)

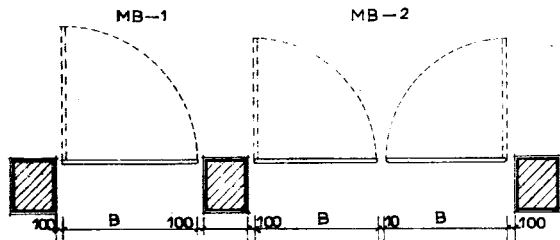
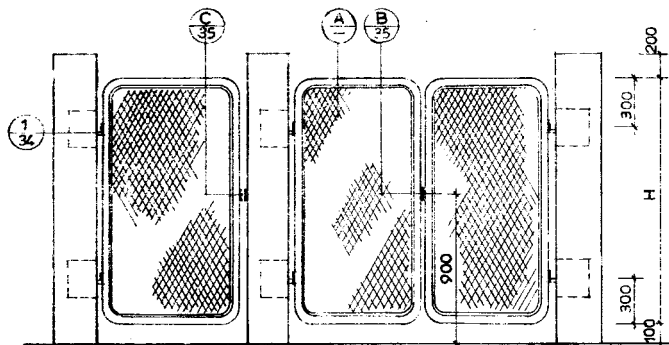


组合平面图

门扇宽度B	单扇	双扇	四扇
1000	1200	2210	4230
1100	1300	2410	4630
1200	1400	2610	5030
1350	1550	2910	5630

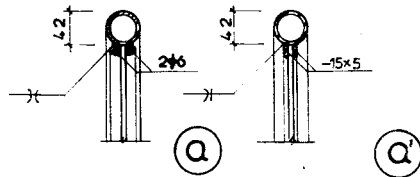
- 注:1、大门门轴一般设于门柱内缘,如将门轴设于柱中时,应在单体设计中注明,便于调整砌块位置。
2、门轴预埋件,埋入240×240×240C20混凝土预制块中,砌在门柱内。
3、门的规格由单体设计选定。

钢管大门组合示意图



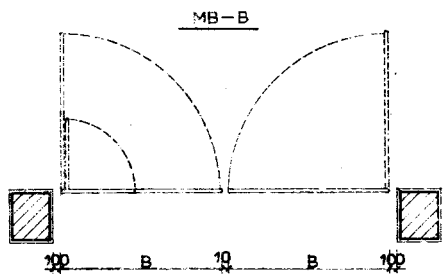
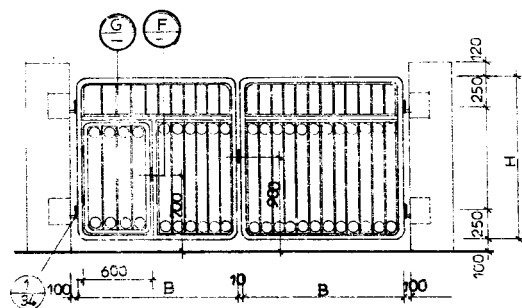
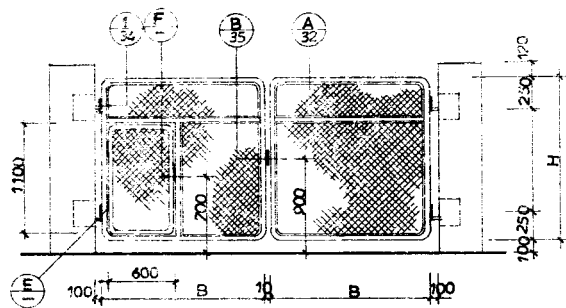
编号	规 格		钢管直径 d
	B	H	
1	1000	1500~1700	4.2
2	1100	1500~1700	4.2
3	1200	1500~1700	4.2
4	1350	1500~1700	4.2

大门平面图



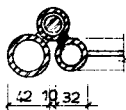
- 注：1、大门边框采用焊接钢管，转角煨弯，对头焊接。
2、钢板网用成品，孔眼规格(TXL)为 40×80 丝梗(b×h)为 1.5×2。

钢管大门

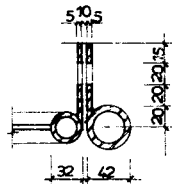


平面图

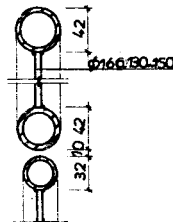
编号	规格		钢管直径 d
	B	H	
1	1100	1500~1700	42
2	1200	1500~1700	42
3	1300	1500~1700	42
4	1400	1500~1700	42



E



F

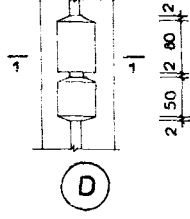


G

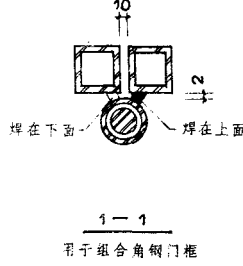
钢管大门 (带小门)

图号 辽 921902

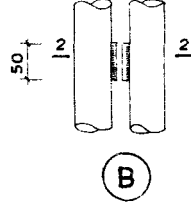
页 33



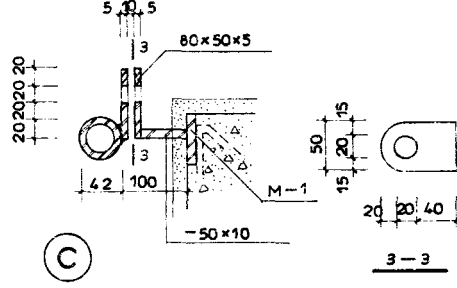
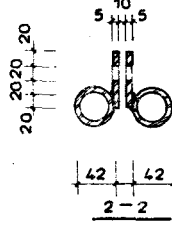
注：招联门轴用于四扇门



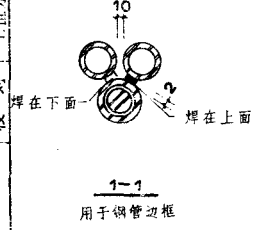
用于组合角钢门框



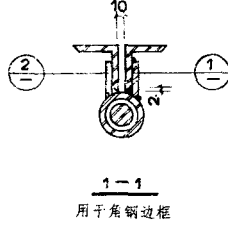
(B)



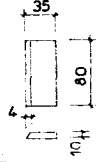
(C)



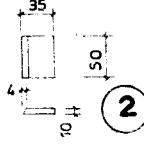
用于钢管边框



用于角钢边框

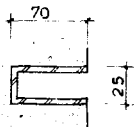
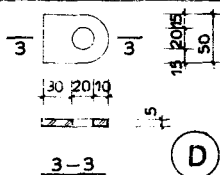
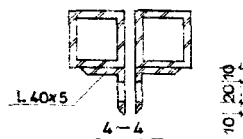
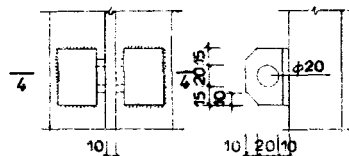
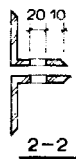
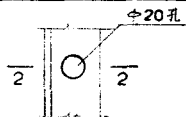
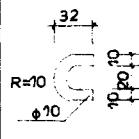
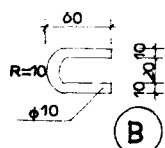
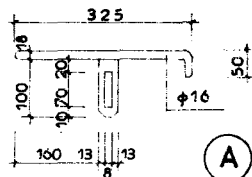
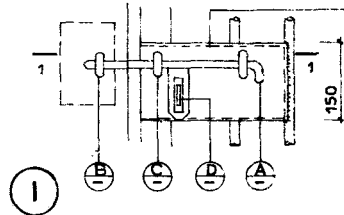
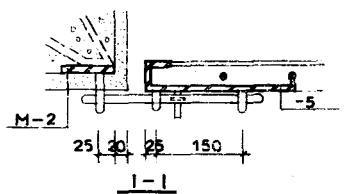


(1)

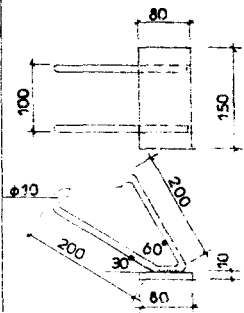
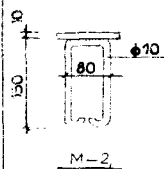


(2)

门轴详图(二)



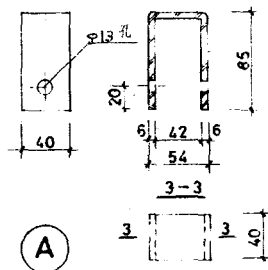
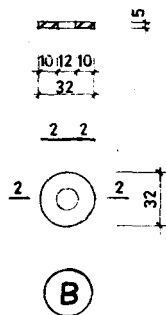
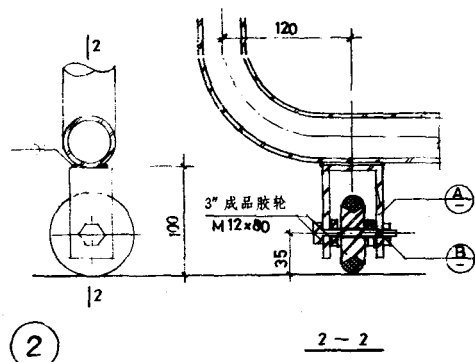
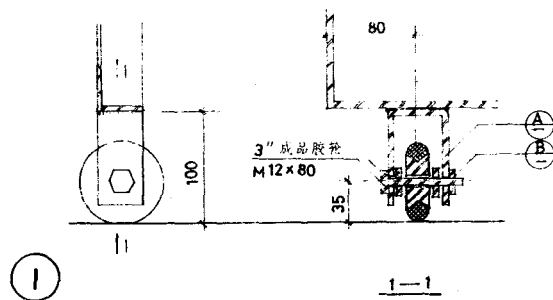
注:该节点用于柱中门栓孔,砌柱时将 d25 钢管与 C20 混凝土固牢



单门插肖锁鼻埋件详图

图 集 号 辽 92J962

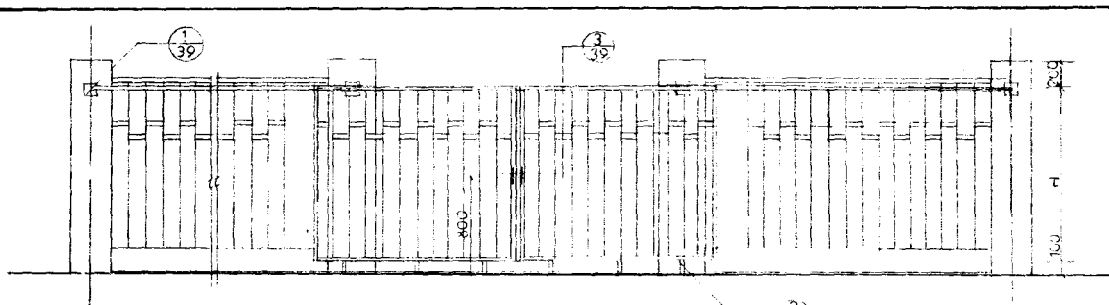
1



注:1、地轮为成品轮,其它部分配件用
3号钢。
2、组合角钢门与角钢门地轮做法
相同。

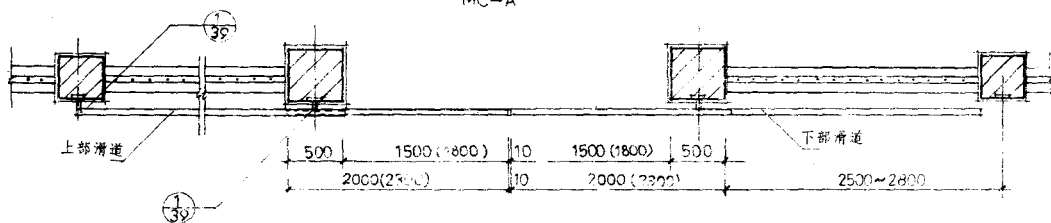
大门地轮

图样号	辽 92/902
页	37



立面图 (内视)

MC-A

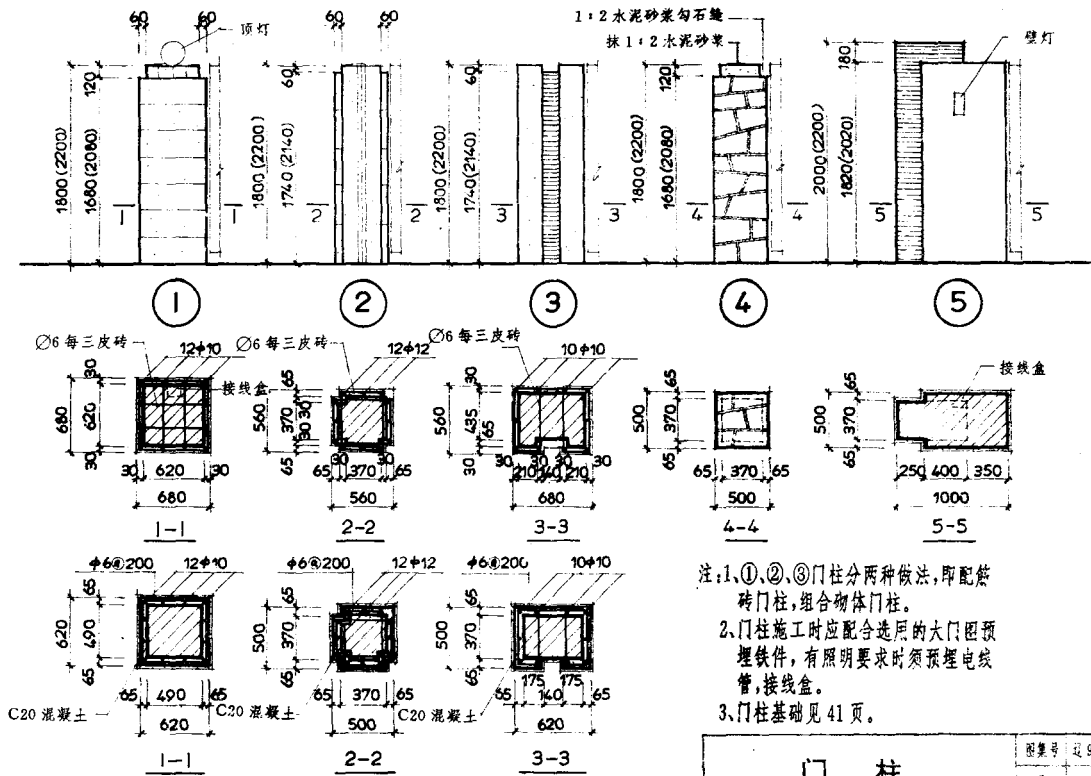


平面图 (内视)

- 注:1、门柱内侧面与围墙柱内侧面宜在同一平面,以便与滑道距离相等。
2、大门花饰可以任选,亦可与围墙花饰相同。
3、大门栏杆为 $\varnothing 14$ 或 $\square 14@150$ 。

编号	洞口尺寸	门扇宽度	门扇高度 H	边框角钢规格
1	3010	2-2000	1500~1600	2L40x4
2	3610	2-2300	1500~1600	2L40x4

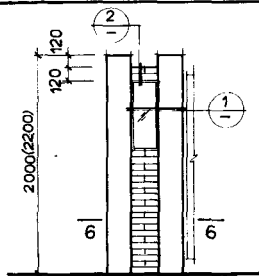
推拉门示意图



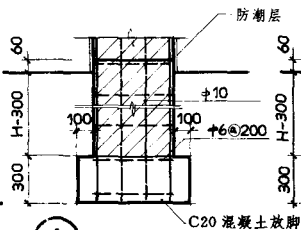
门 柱

图集号 辽 92J902

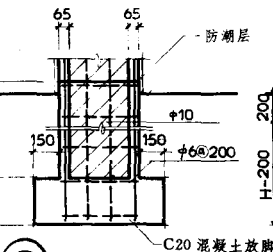
40



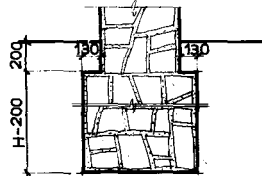
⑥



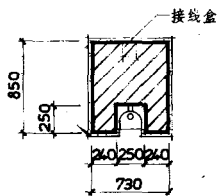
① 配筋砖门柱基础



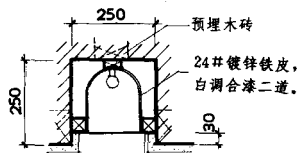
⑧ C20 混凝土
组合砌体门柱基础



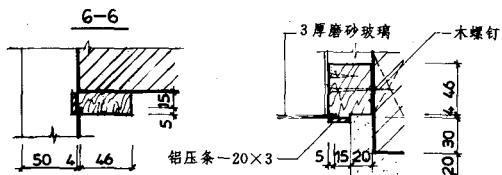
③ 毛石门柱基础



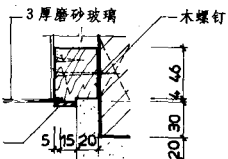
6-6



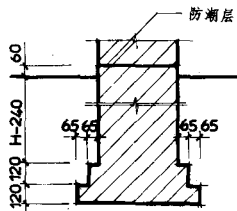
①



②



③



④ 砖门柱基础

注:1、门柱施工时配合选用的大门图
预埋铁件,有照明要求时,须预
埋电线管、接线盒。

2、门柱基础宽度由门柱断面尺寸确定。

3、H 为本地区标准冻结深度。

门 柱

图集号	辽 92J902
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