

中南地区工程建设标准设计

建筑图集

5
2011

ZHONGNAN DIQU GONGCHENG JIANSHE BIAOZHUN SHEJI

中南地区工程建设标准设计办公室 编

园林绿化附属工程设施	11ZJ902
建筑外遮阳	11ZJ903
漏花	11ZJ951

中国建筑工业出版社

漏花

批准单位
湖北省住房和城乡建设厅
河南省住房和城乡建设厅
湖南省住房和城乡建设厅
广东省住房和城乡建设厅
广西壮族自治区住房和城乡建设厅
海南省住房和城乡建设厅

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11ZJ951

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审核	陈敏
设计	陈敏
制图	陈敏

说明

1 适用范围

- 1.1 本图集适用于中南地区的一般民用建筑和工业辅助建筑常用的漏花。
1.2 本图集供建筑设计、园林景观设计、装修设计人员使用。

2 设计内容

- 2.1 混凝土预制漏花。
2.2 金属漏花。
2.3 木制漏花。

3 设计依据

- GB50010-2002 《混凝土结构设计规范》
GB50005-2003 (2005年版) 《木结构设计规范》
GB50017-2003 《钢结构设计规范》
GB50210-2001 《建筑装饰工程施工及验收规范》
GBJ2-86 《建筑模数协调统一标准》

4 采用材料

4.1 混凝土预制漏花

- 4.1.1 混凝土漏花的花式规格有: 300×300, 450×450, 300×600, 900×900四种基本尺寸。
4.1.2 混凝土预制漏花以1:2水泥砂浆或强度等级为C20细石混凝土预制而成(水泥强度等级不得低于32.5级,下同),用1:2水泥砂浆拼砌,组合,灰缝宽10mm,凹入5mm,接缝处预留Φ20(深20)孔洞插入Φ6钢筋

50mm长,用1:2水泥砂浆填实固定,钢筋骨架见图示,钢筋采用Φ⁴冷拔钢丝或8号镀锌钢丝。

4.1.3 混凝土预制漏花可用白水泥或加色的水泥饰面,也可加各种色调的瓜米石浇制,水磨光滑。

4.1.4 混凝土预制漏花模板必须光滑,尺寸准确,成品表面整洁。

4.2 金属漏花

4.2.1 金属漏花的材料分为管材和板材两种,同时可采用铸铁、钢材、不锈钢、铜、铝合金等材料,这些材料应符合国家有关技术规定,具体选材及面层做法按工程设计。

4.2.2 金属漏花的连接为栓接或焊接,焊接应满焊打平磨光。

4.2.3 金属漏花各构件均应按照材质要求分别进行除锈、防锈、防腐处理,以确保漆膜光亮,避免面层剥落。防锈处理按底漆两道,面漆一道。

4.2.4 金属漏花表面应光滑、平直、无毛刺,安装后不应有歪斜、扭曲、变形等缺陷。

4.3 木制漏花

4.3.1 木制漏花的材料可采用实木、复合木、高密度木质纤维材等材料,这些材料应符合国家有关技术规定,具体选材及面层做法按工程设计。

4.3.2 木制漏花中的实木选用一、二级木材。

4.3.3 木材加工时应进行脱脂、蒸煮处理,其含水率要求应不大于12%。

说明(一)

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4.3.4 木制漏花的连接为榫接、胶接或螺钉固定,视不同构造由工程施工确定。

4.3.5 木制漏花要求木条刨光,外观整齐,连接处一定要紧固,不可松动,并应进行防腐、防蚁、防变形处理。

4.3.6 木制漏花表面可根据不同的材料进行底漆、面漆的处理,或由单项工程设计定。

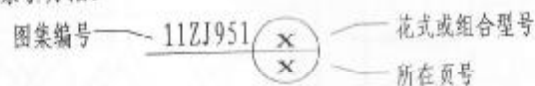
4.3.7 凡木材预埋件应进行防腐处理(严禁采用沥青、煤焦油类防腐处理剂)。

4.3.8 本图集木制漏花仅适应于室内。

5 选用方法

5.1 采用索引编号选择节点大样。

5.2 索引方法:



6 漏花组合

6.1 混凝土预制漏花的组合,其宽度、高度及距地高度均不得大于3m,如超过3m或在7度及以上地震设防区使用,应根据实际情况加设稳固加强措施。

6.2 本图集漏花的各种组合形式均为组合示例,可直接选用,也可根据实际需要自行组合。

6.3 本图集漏花仅作为室内外装饰构件选用,设计人在选用本图集时,应结合设计的所在部位充分考虑各种安全问题,不宜随意套用。

7 其他

7.1 本图集未注明单位的尺寸均以毫米(mm)为单位。

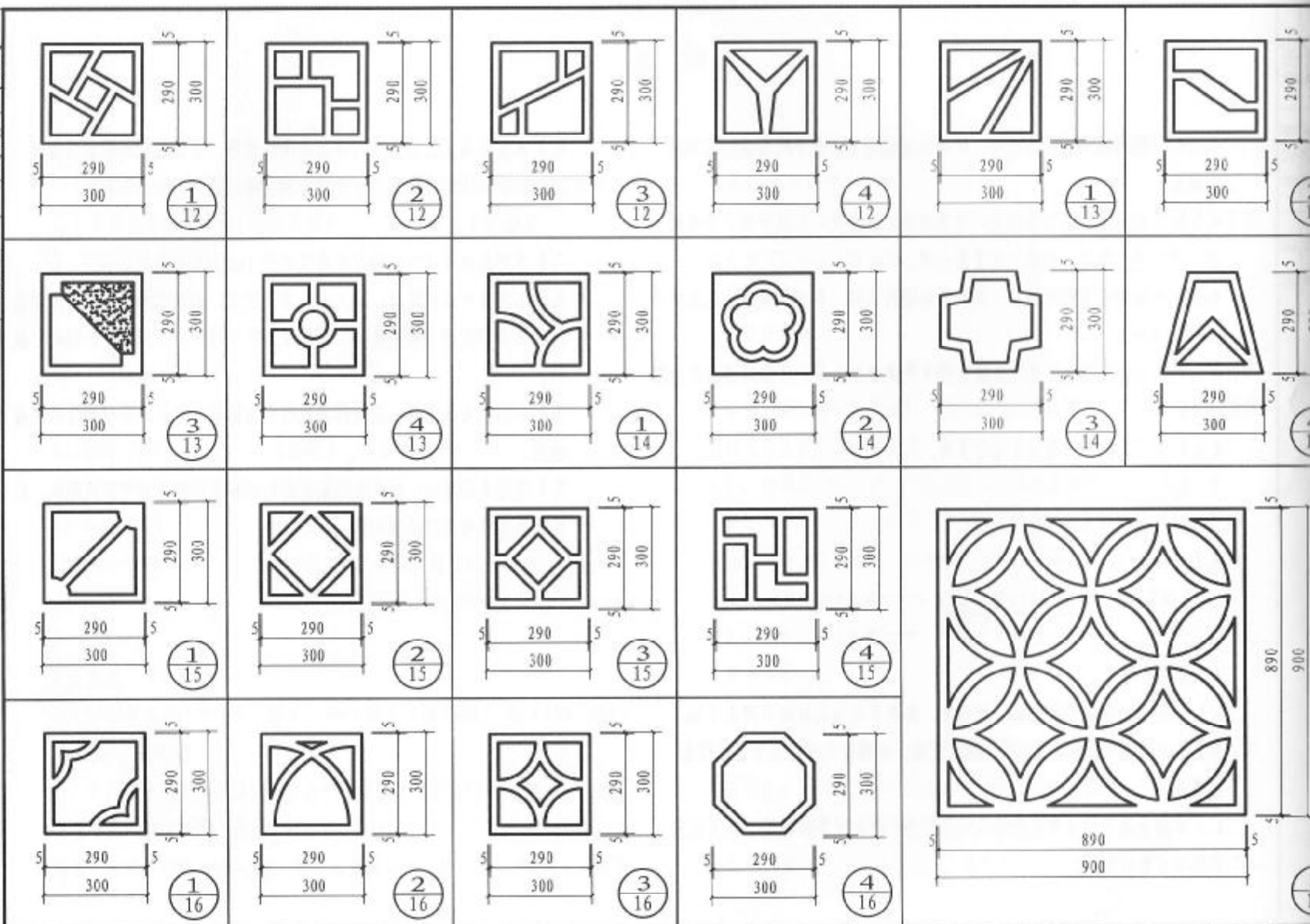
7.2 本图集有关设计、施工安装质量要求,除图集中注明者外,均需按照国家颁发的《建筑装饰工程施工及验收规范》(GB50210-2001)执行。

7.3 本图集未尽事宜,应按国家现行有关标准、规范、规程和技术法规执行。

7.4 选用本图集时,本图集所依据的标准和技术规程如有新的版本,应按新版本作相应的验算调整。

说明(二)

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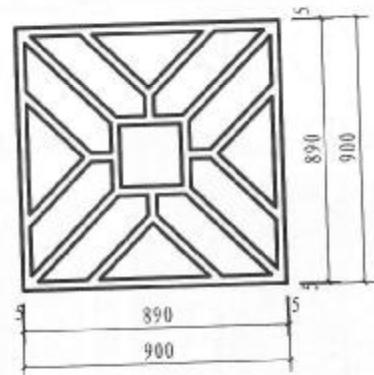
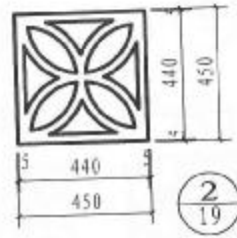
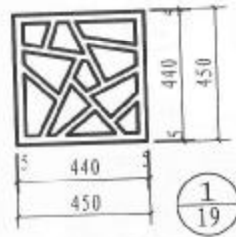
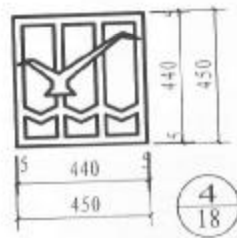
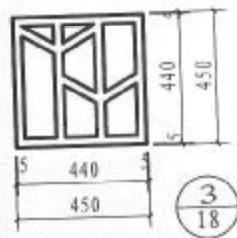
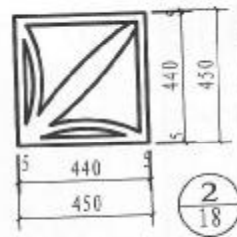
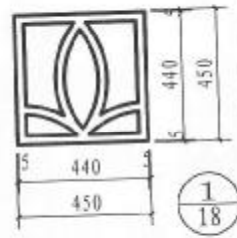
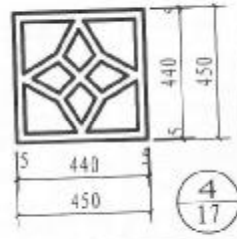
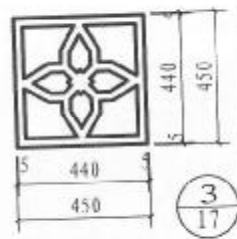
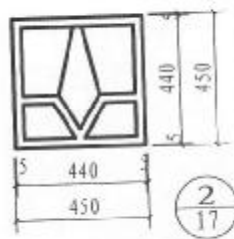
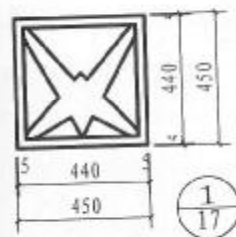


注明：图中“5”表示漏花拼合时预留的灰缝。

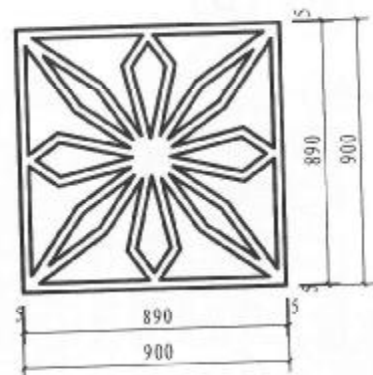
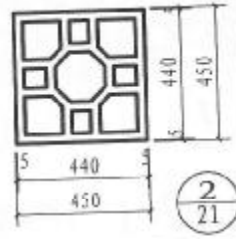
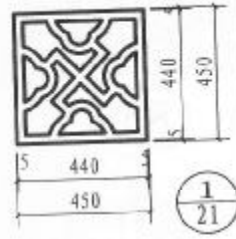
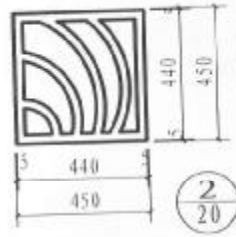
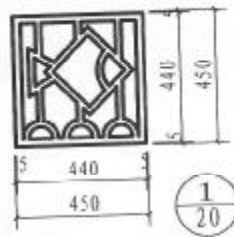
混凝土漏花索引一

图集号 112J

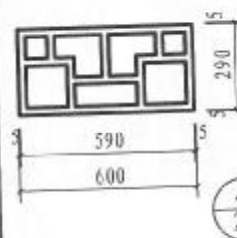
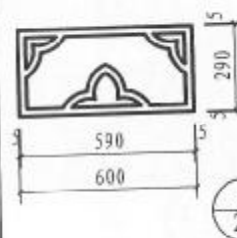
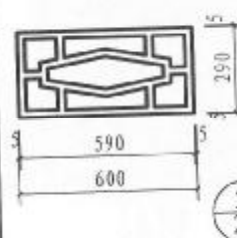
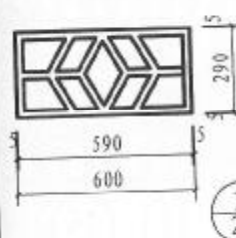
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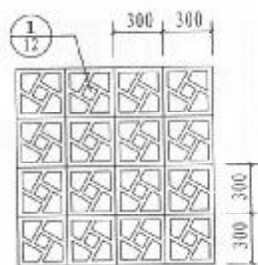


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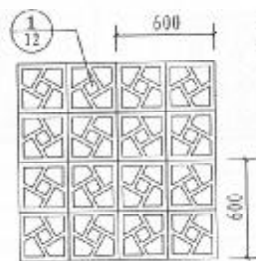
混凝土漏花索引二

图集号 11ZJ951
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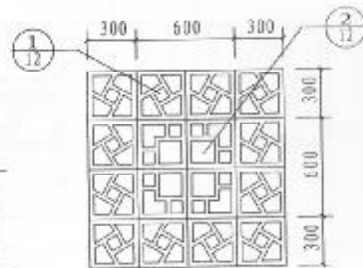
校对	王艳	陈玉	陈玉
设计	陈玉	陈玉	陈玉
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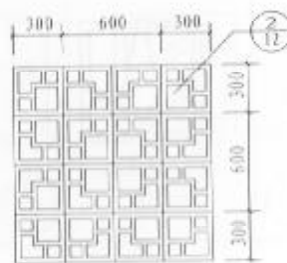
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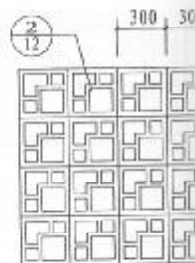
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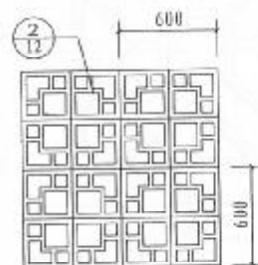
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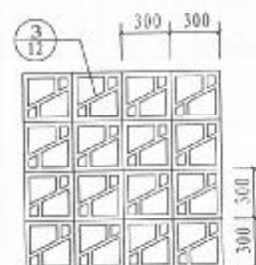
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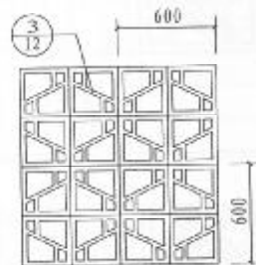
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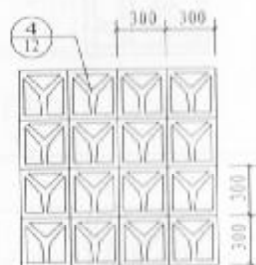
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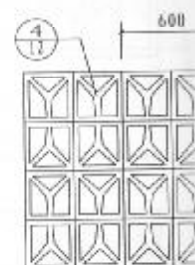
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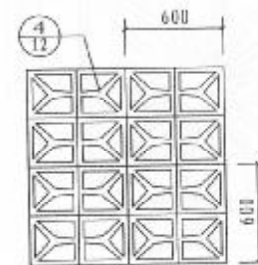
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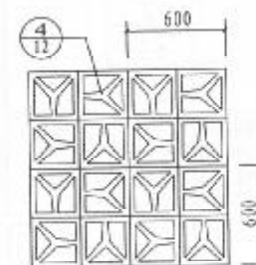
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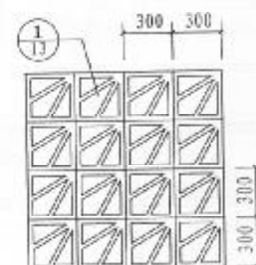
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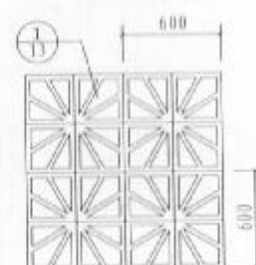
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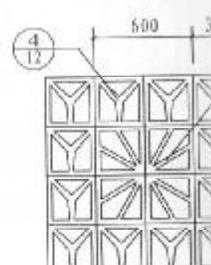
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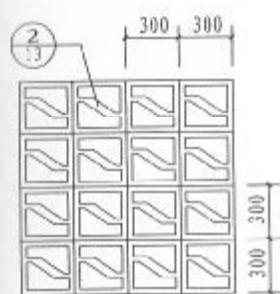
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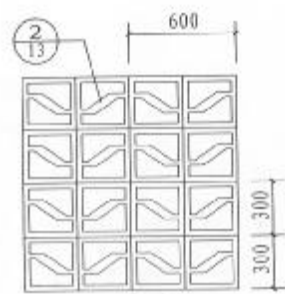
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混凝土漏花组合一

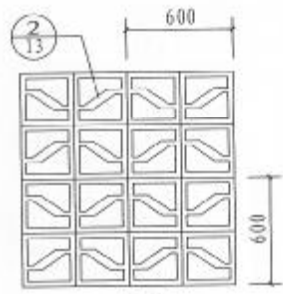
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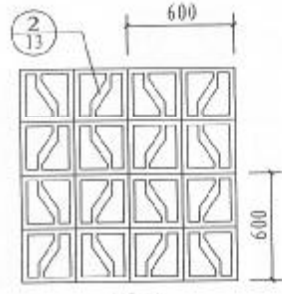
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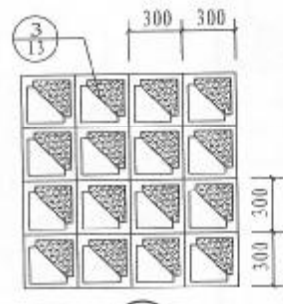
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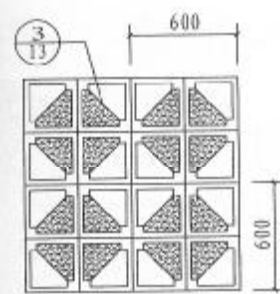
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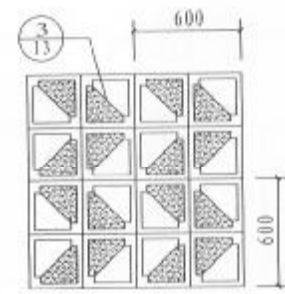
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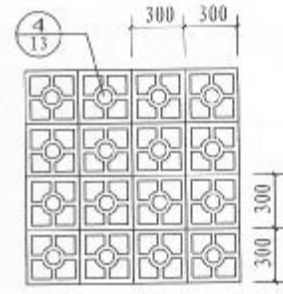
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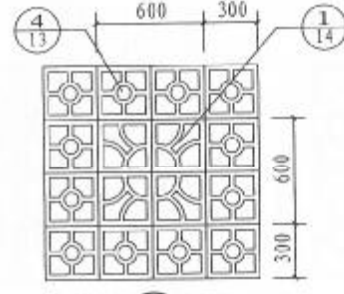
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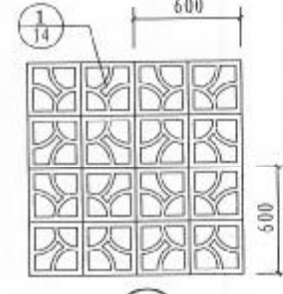
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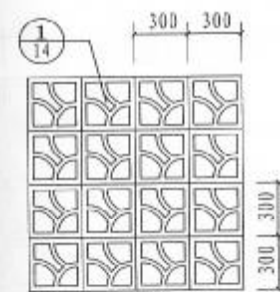
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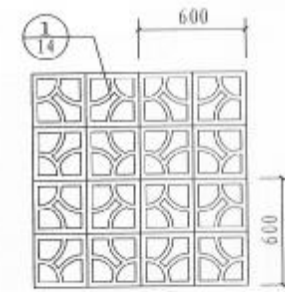
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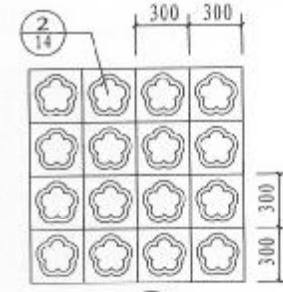
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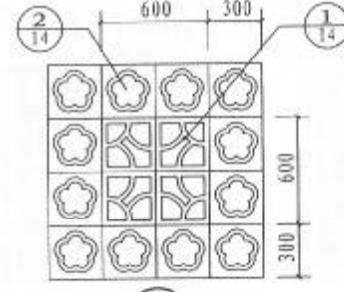
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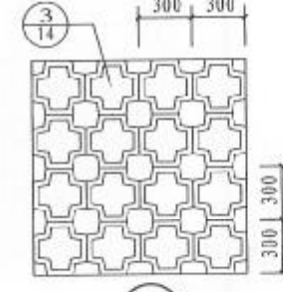
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⑬



⑭



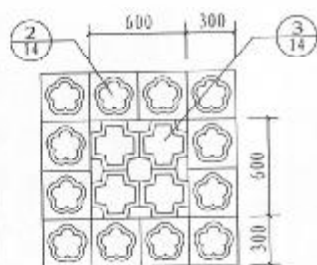
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混凝土漏花组合二

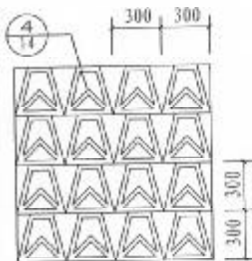
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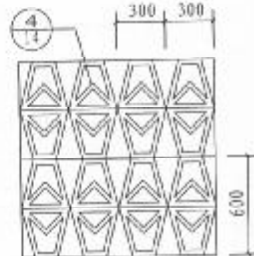
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校对	陈立志
审核	陈立志
制图	陈立志



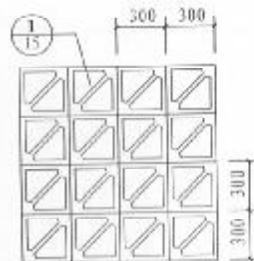
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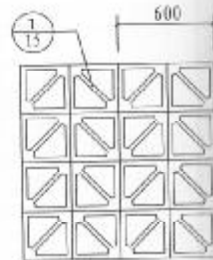
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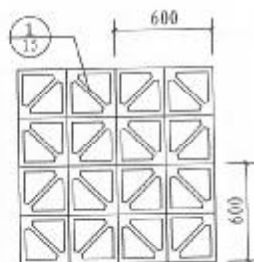
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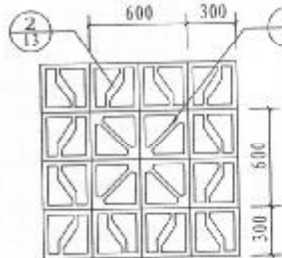
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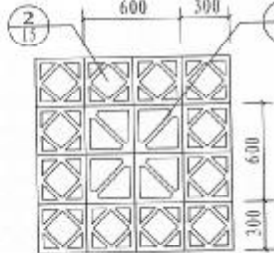
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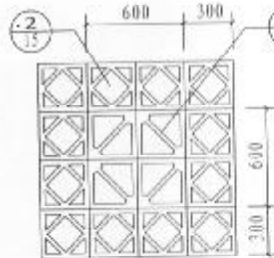
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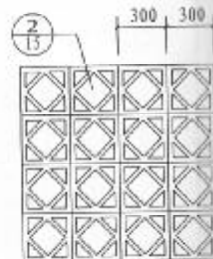
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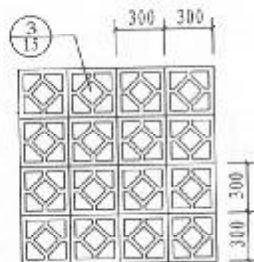
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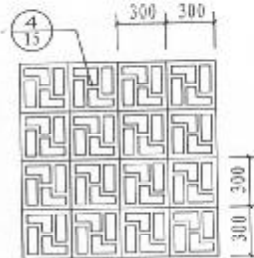
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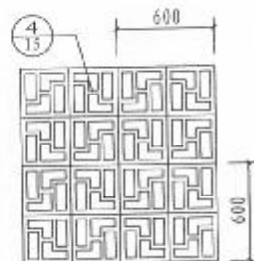
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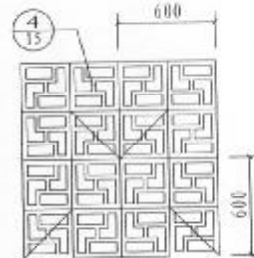
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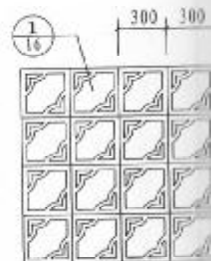
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⑬



⑭



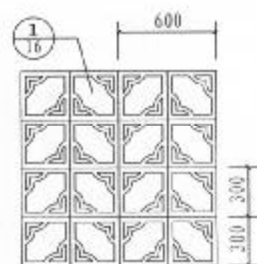
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混凝土漏花组合三

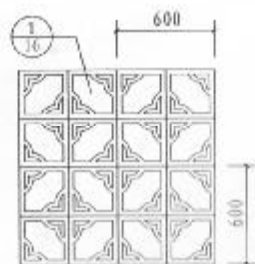
图集号

页号

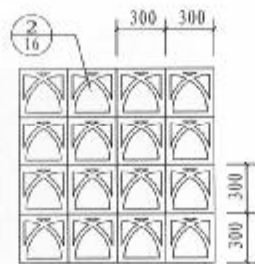
图例
设计
陈永贵
陈永贵
图例



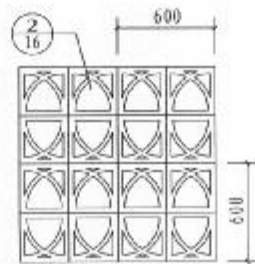
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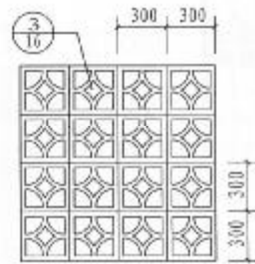
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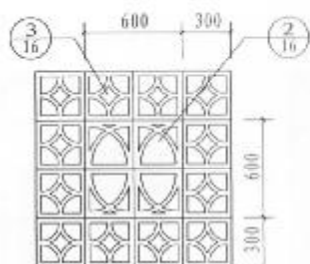
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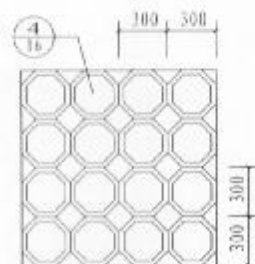
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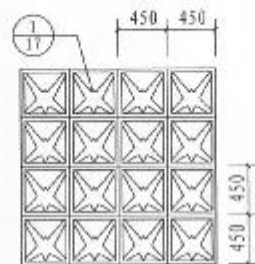
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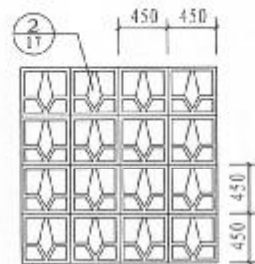
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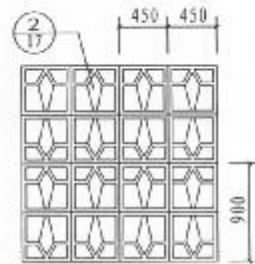
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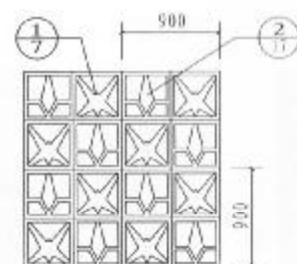
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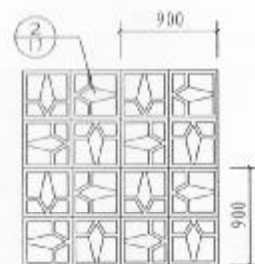
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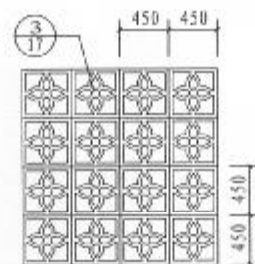
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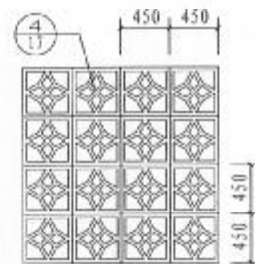
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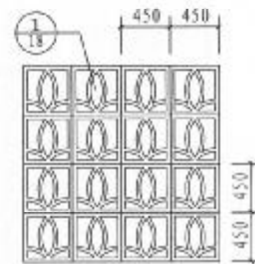
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⑬



⑭



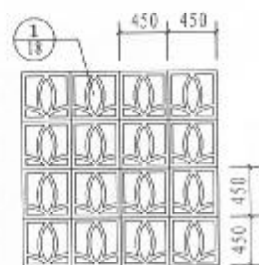
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混凝土漏花组合四

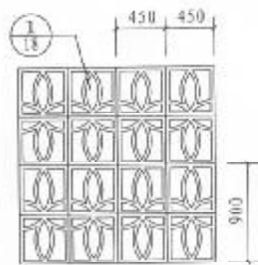
图集号 11ZJ951

页号 9

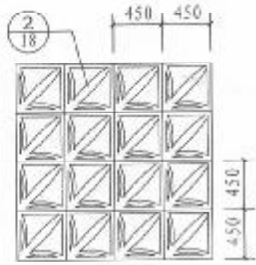
审核	陈永敏
设计	陈永敏
校对	陈永敏



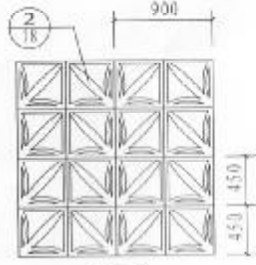
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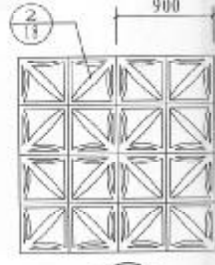
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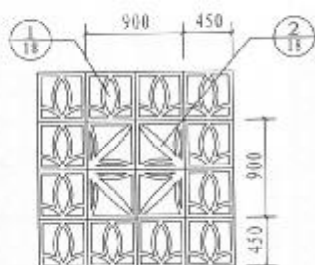
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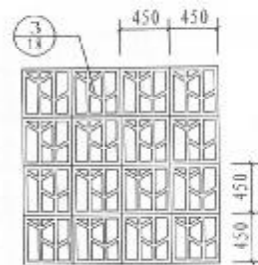
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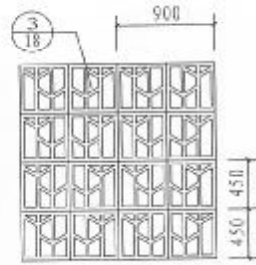
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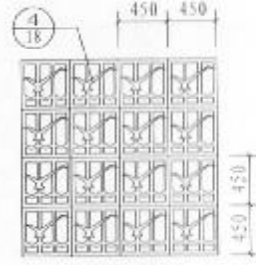
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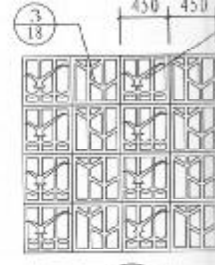
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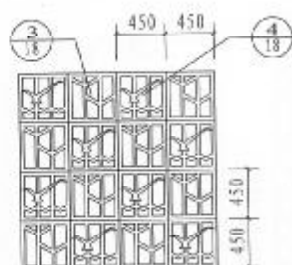
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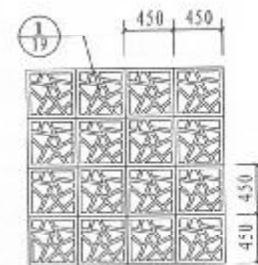
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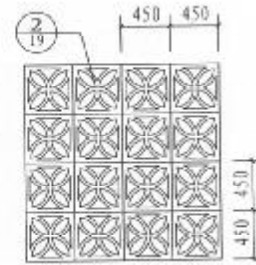
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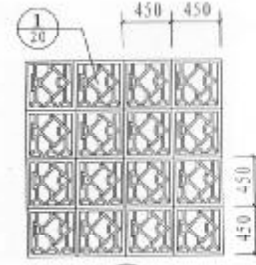
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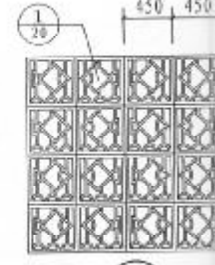
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⑬



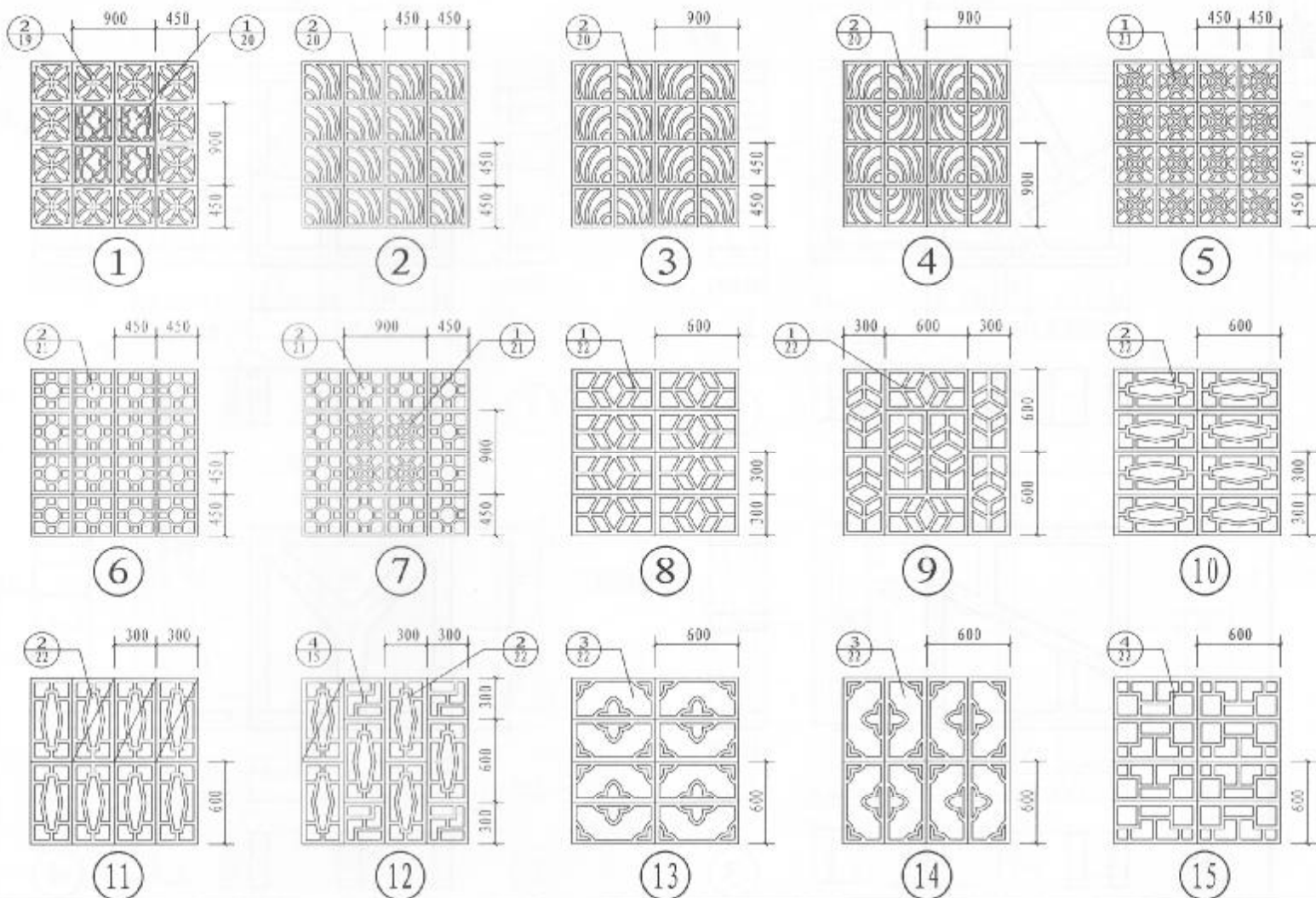
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⑮

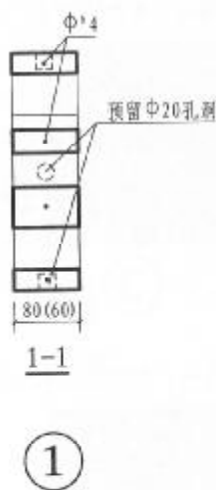
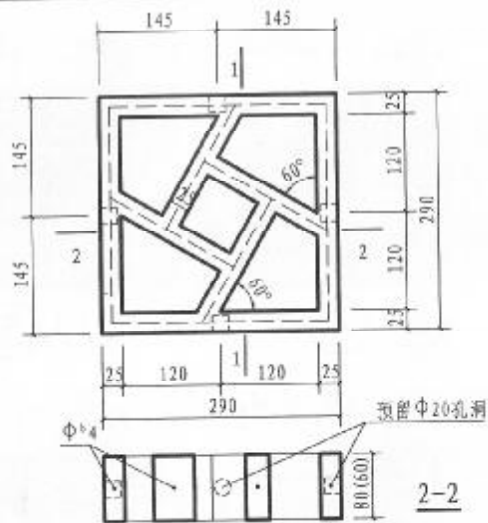
混凝土漏花组合五

图集号 112
页号

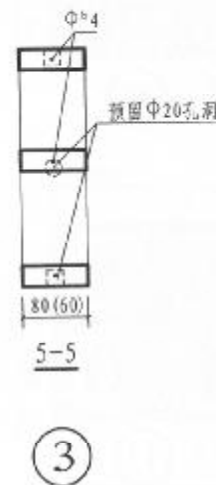
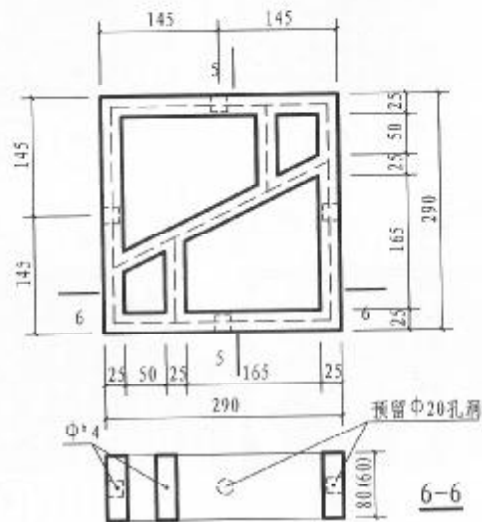


混凝土漏花组合六

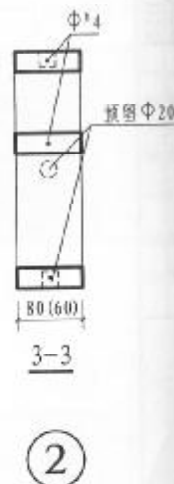
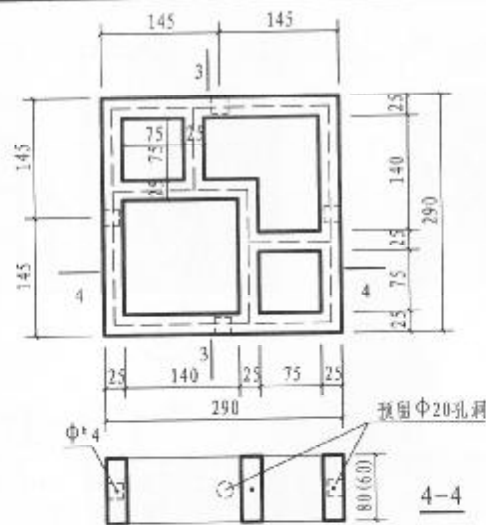
图集号 11ZJ951
页号 11



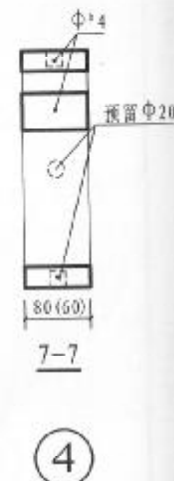
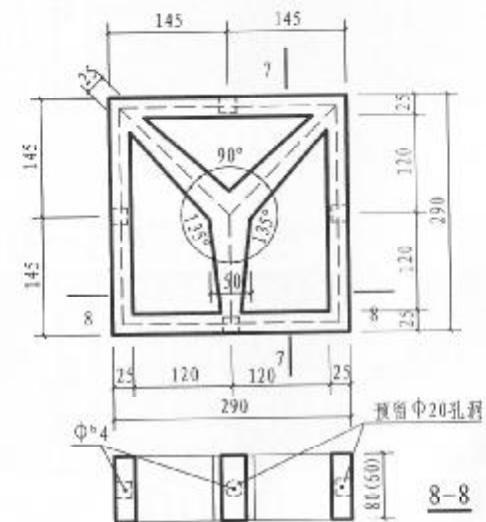
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②

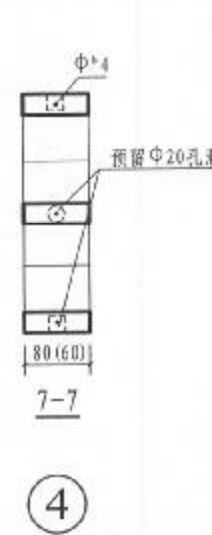
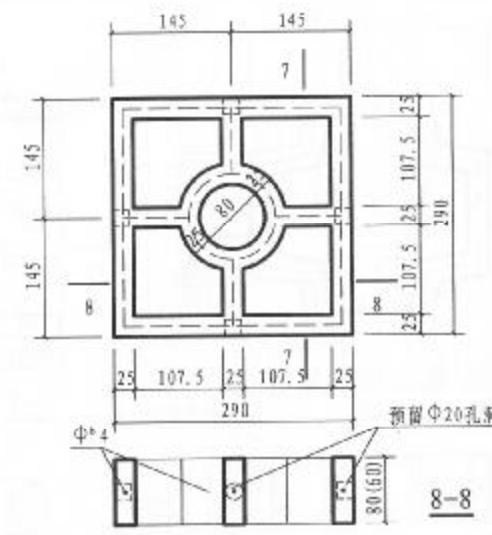
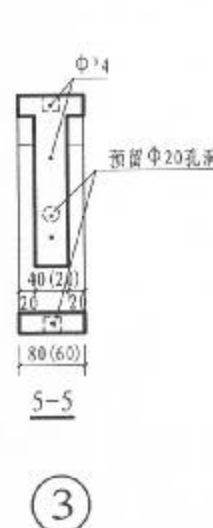
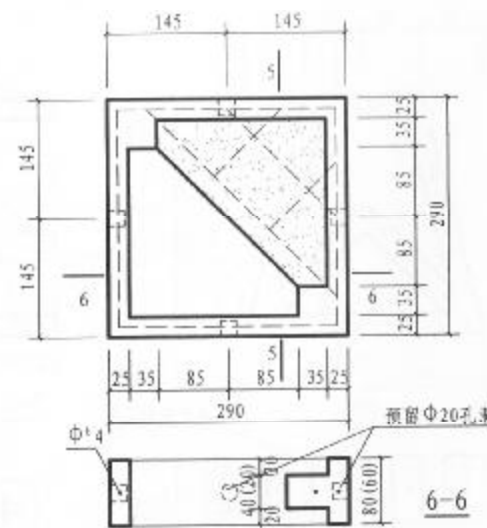
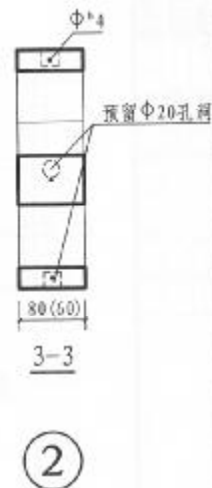
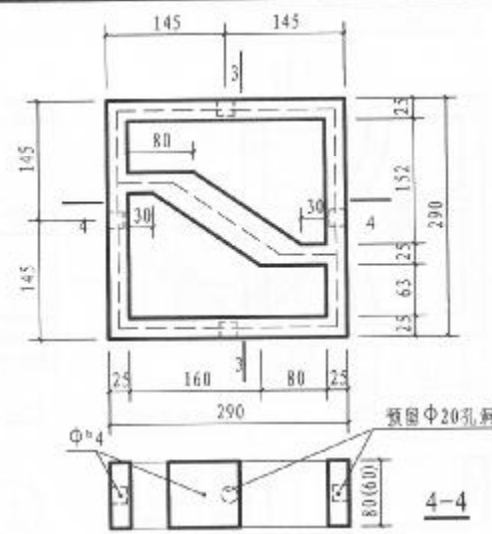
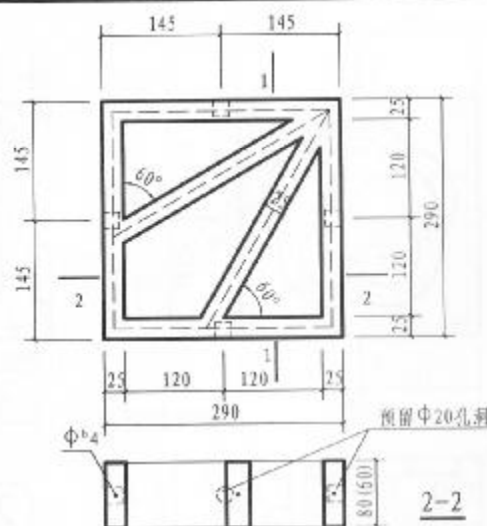


③



④

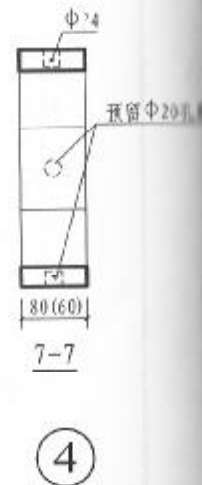
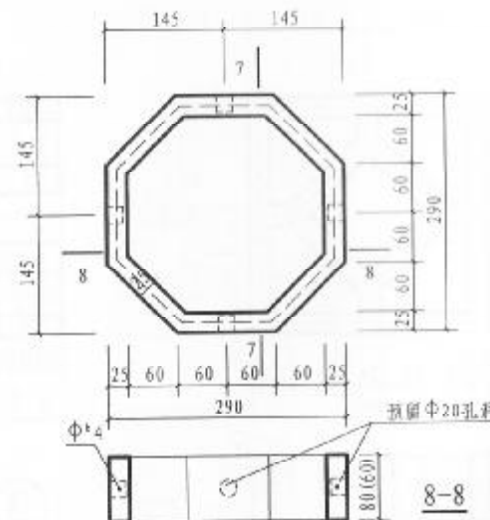
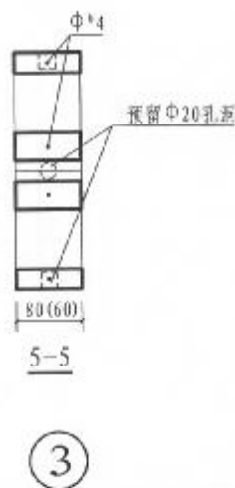
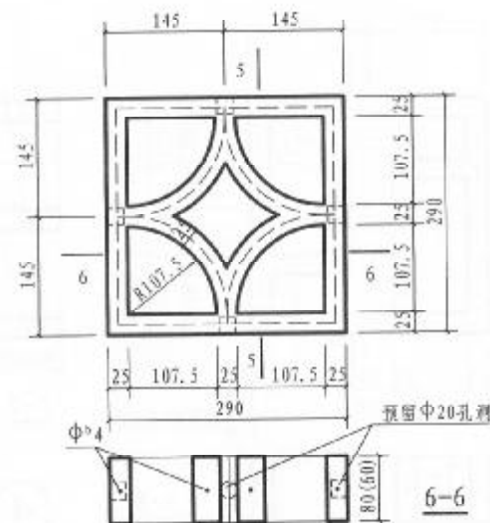
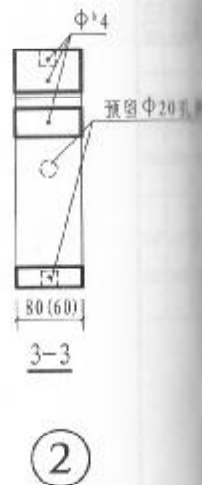
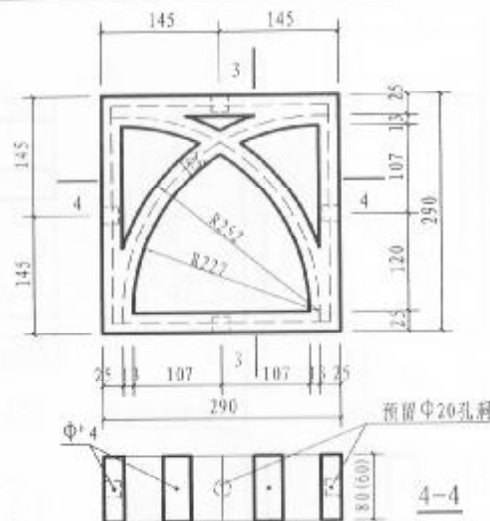
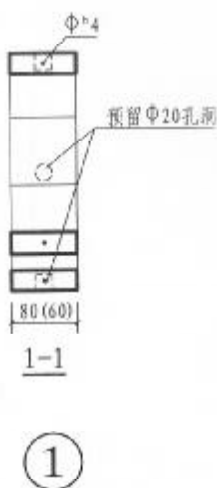
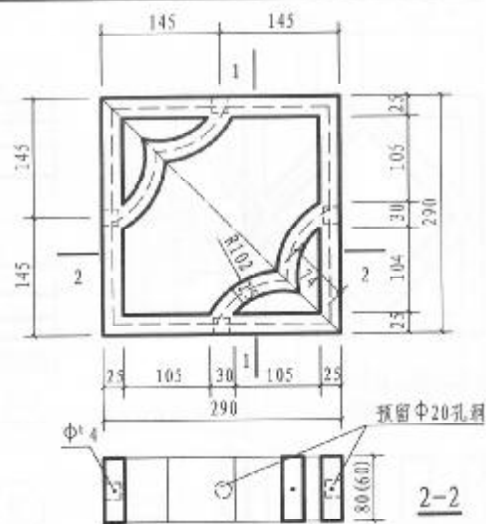
混凝土漏花详图一(300x300)



混凝土漏花详图二 (300x300)

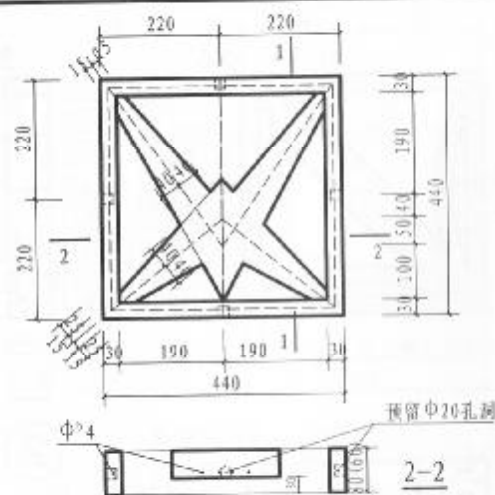
图集号 11ZJ951
页号 13

校	对	计	图
丰	光	陈	陈
2009	2009	2009	2009

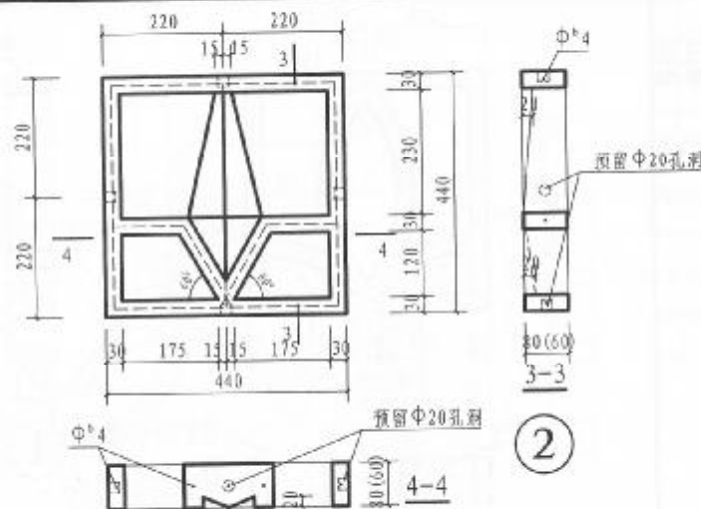


混凝土漏花详图五 (300x300)

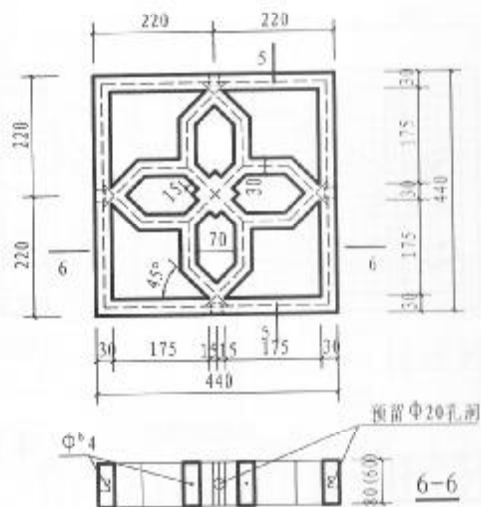
图集号	11ZJ951
页号	16



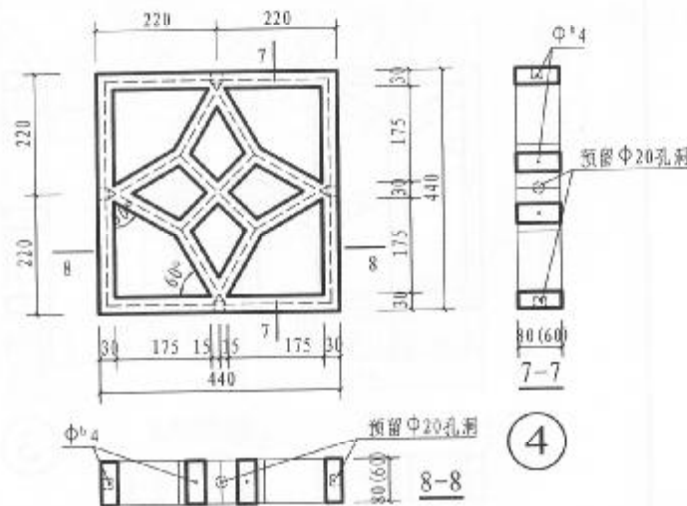
①



②



③

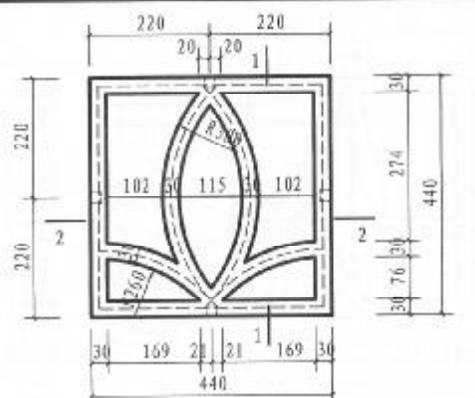


④

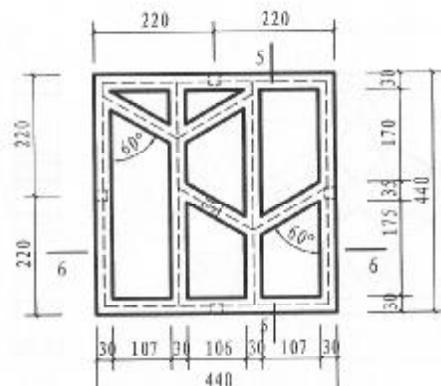
混凝土漏花详图六 (450x450)

图集号	11ZJ951
页号	17

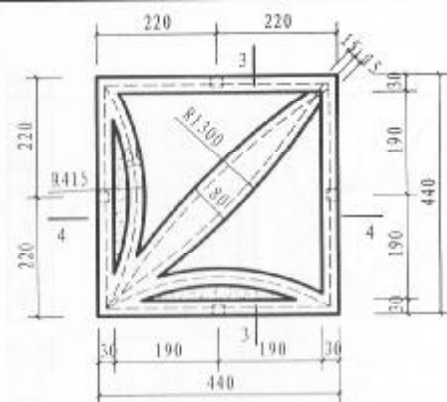
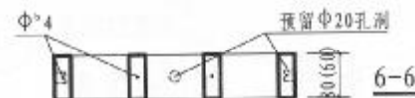
设计	陈志敏
校对	陈志敏
审核	陈志敏
制图	陈志敏



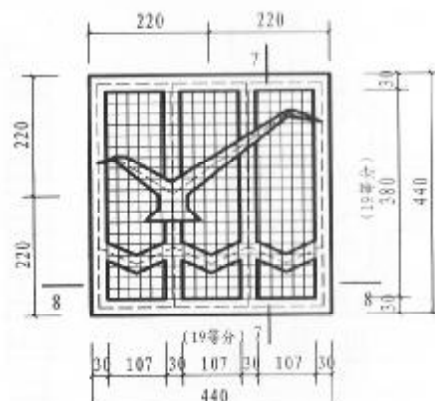
①



③



②

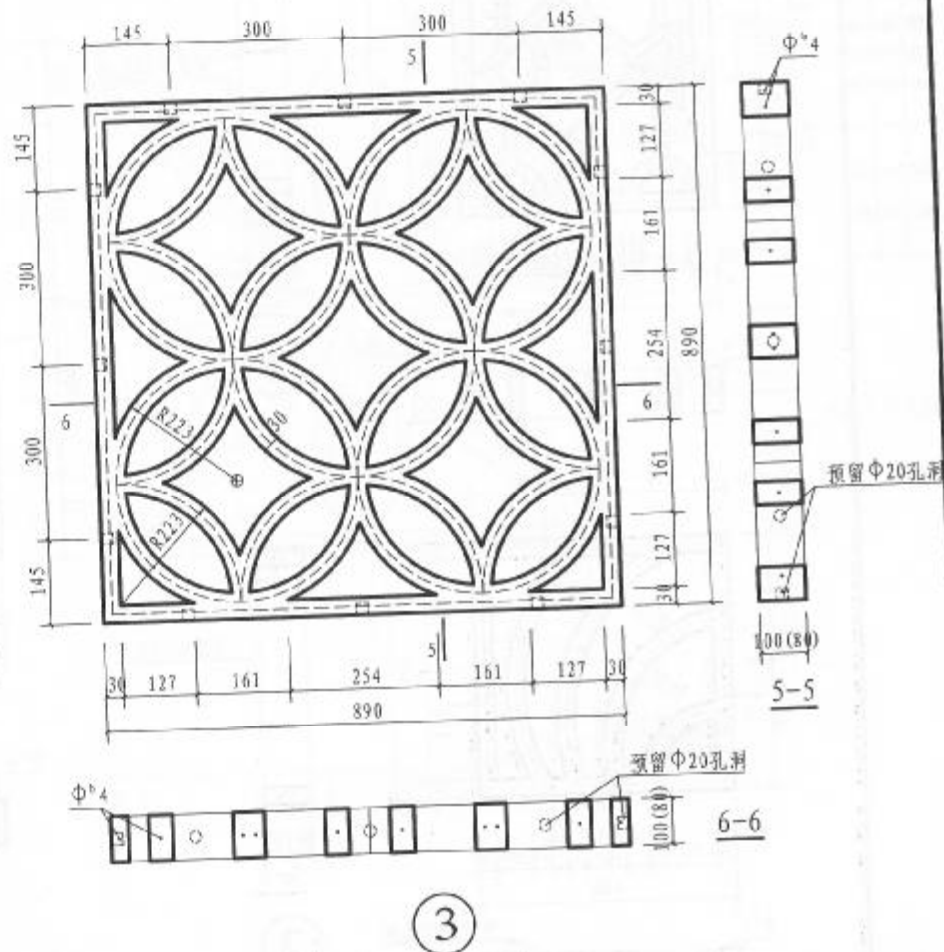
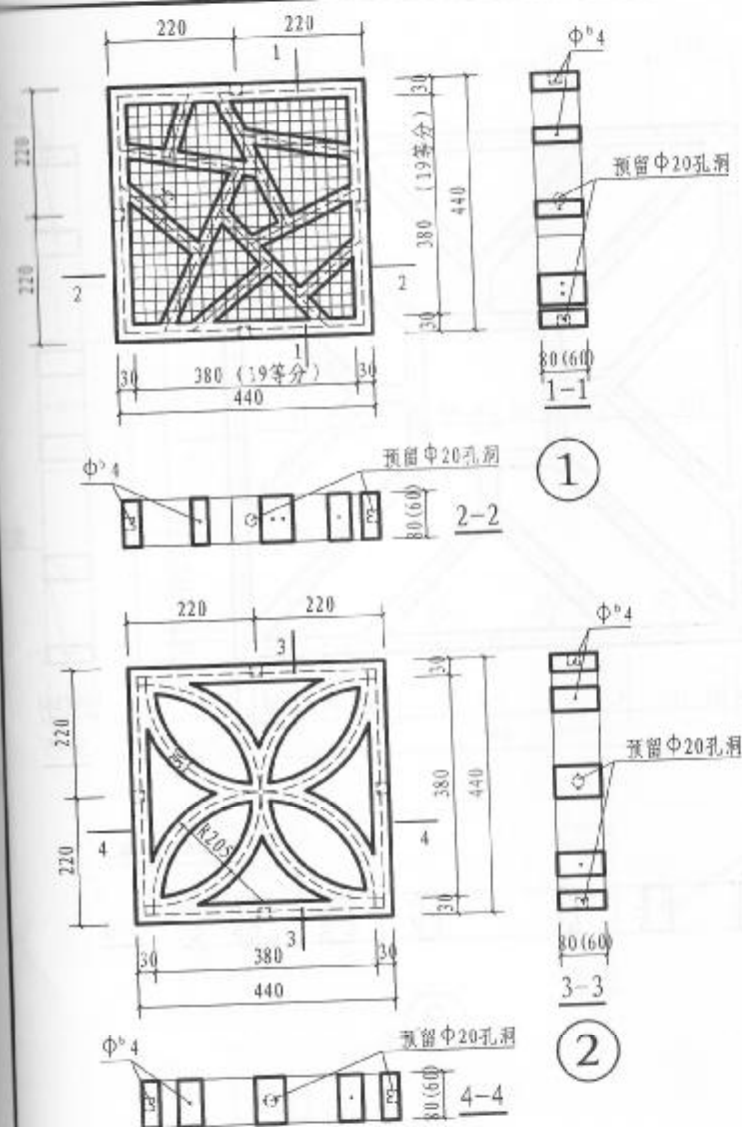


④



混凝土漏花详图七 (450x450)

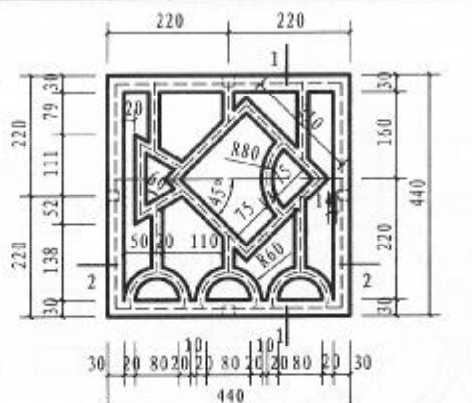
图集号	11ZJ9
页号	18



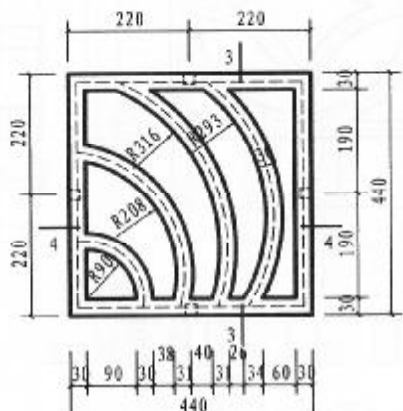
混凝土漏花详图八
(450x450、900x900)

图集号 11ZJ951
页号 19

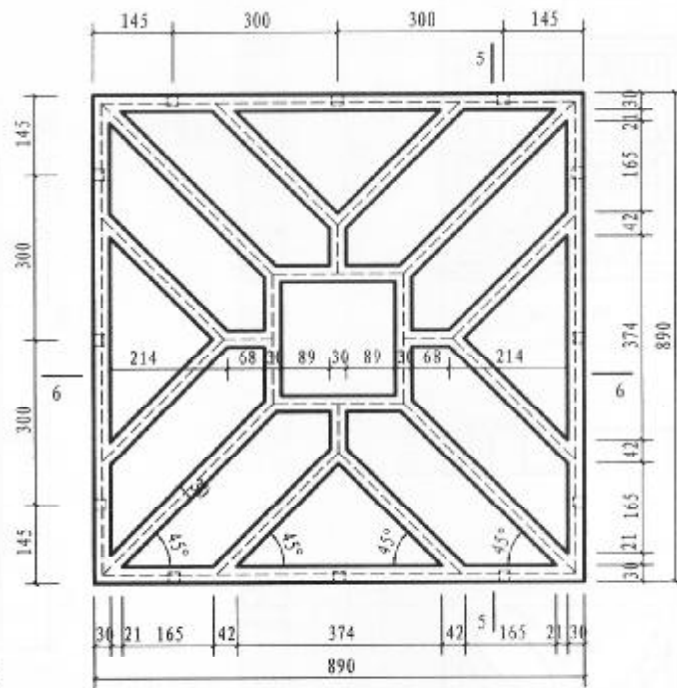
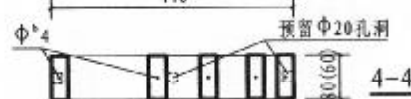
校对	王桂娜	审核	陈永敏
设计	陈永敏	审核	陈永敏
绘图	陈永敏	审核	陈永敏



①



②

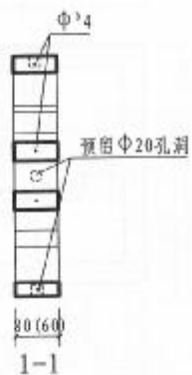
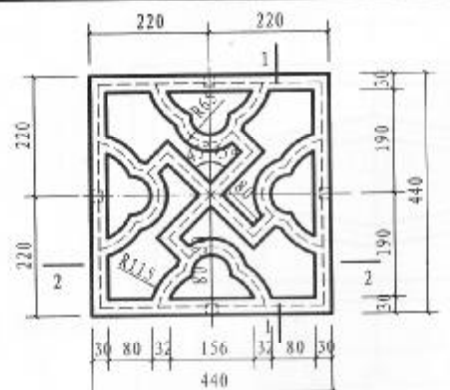


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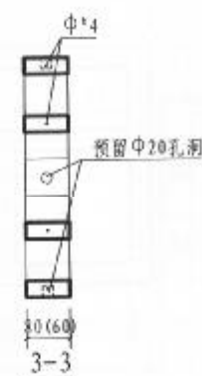
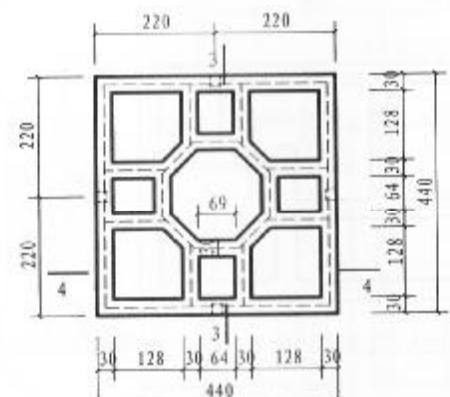


混凝土漏花详图九
(450x450、900x900)

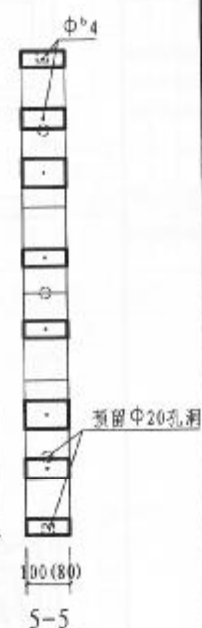
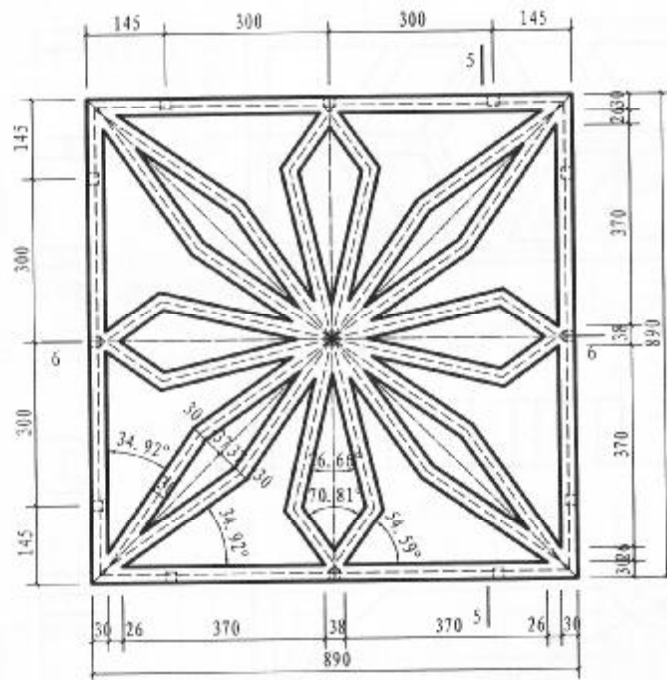
图集号	112J9
页号	20



①



②

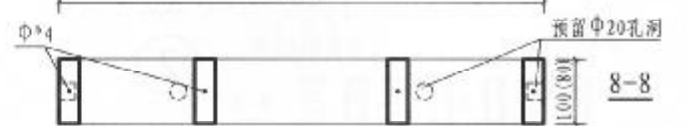
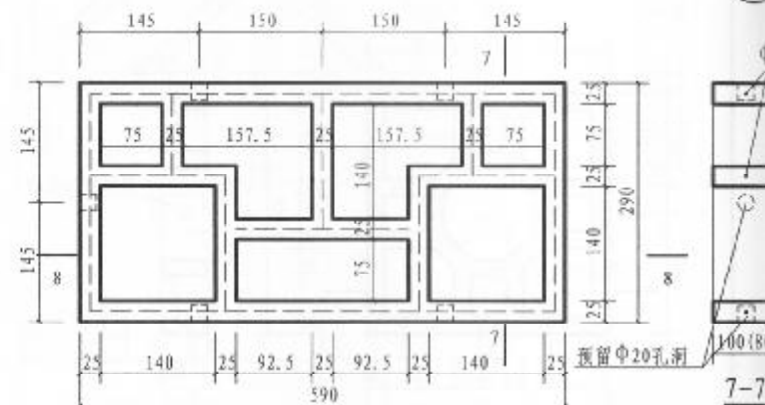
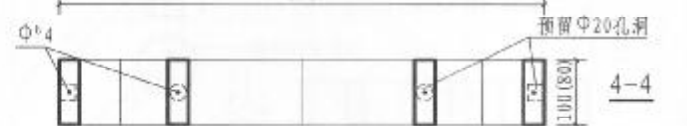
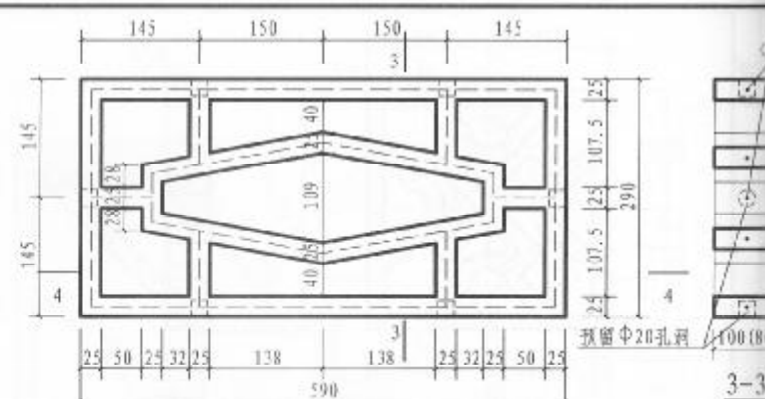
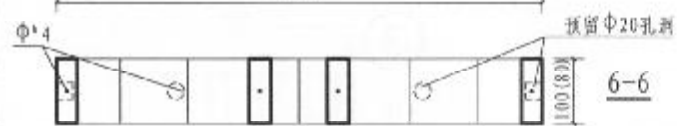
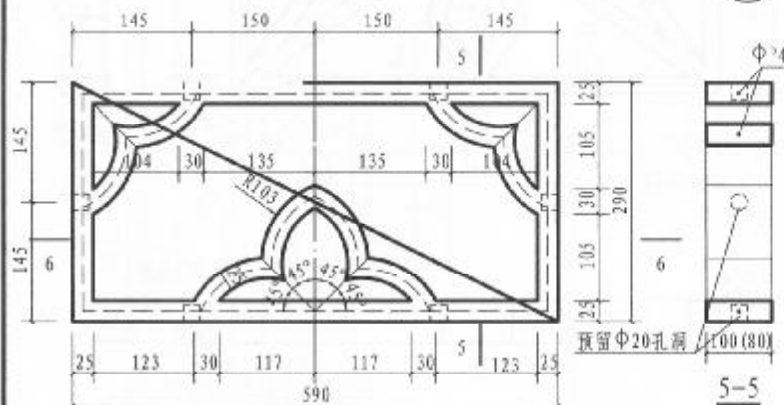
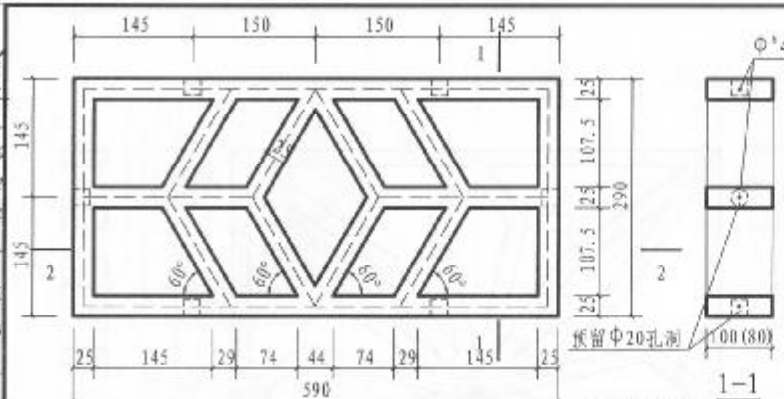


③



混凝土漏花详图十
(450x450、900x900)

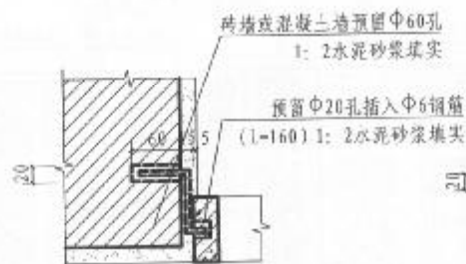
图集号	11ZJ951
页号	21

[illegible]

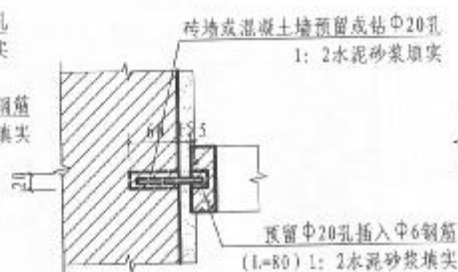
混凝土漏花详图十一(300x600)

图集号 11Z.

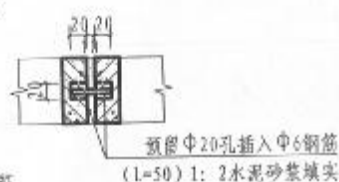
页号	2
----	---



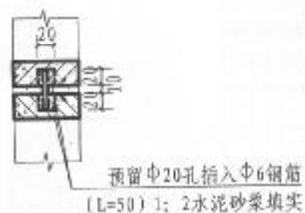
① 单个花式与墙锚固



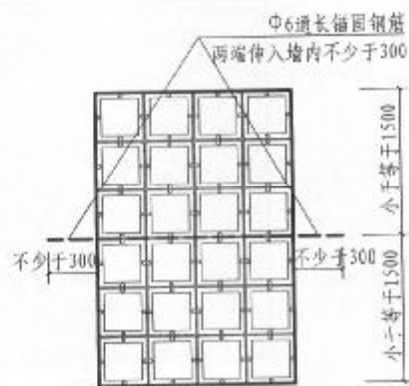
② 单个花式与墙锚固



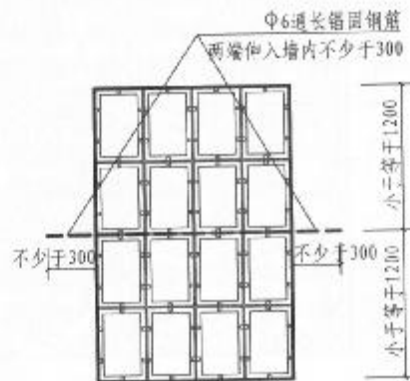
③ 单个花式锚固



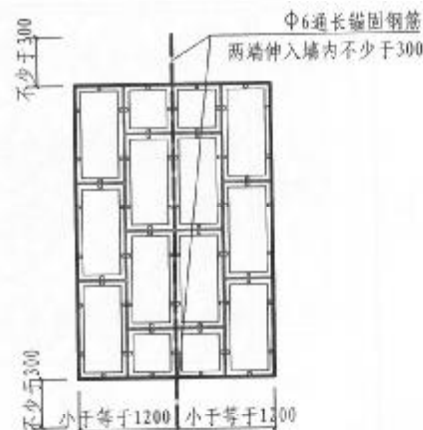
④ 单个花式锚固



⑤ 组合花式锚固



⑥ 组合花式锚固

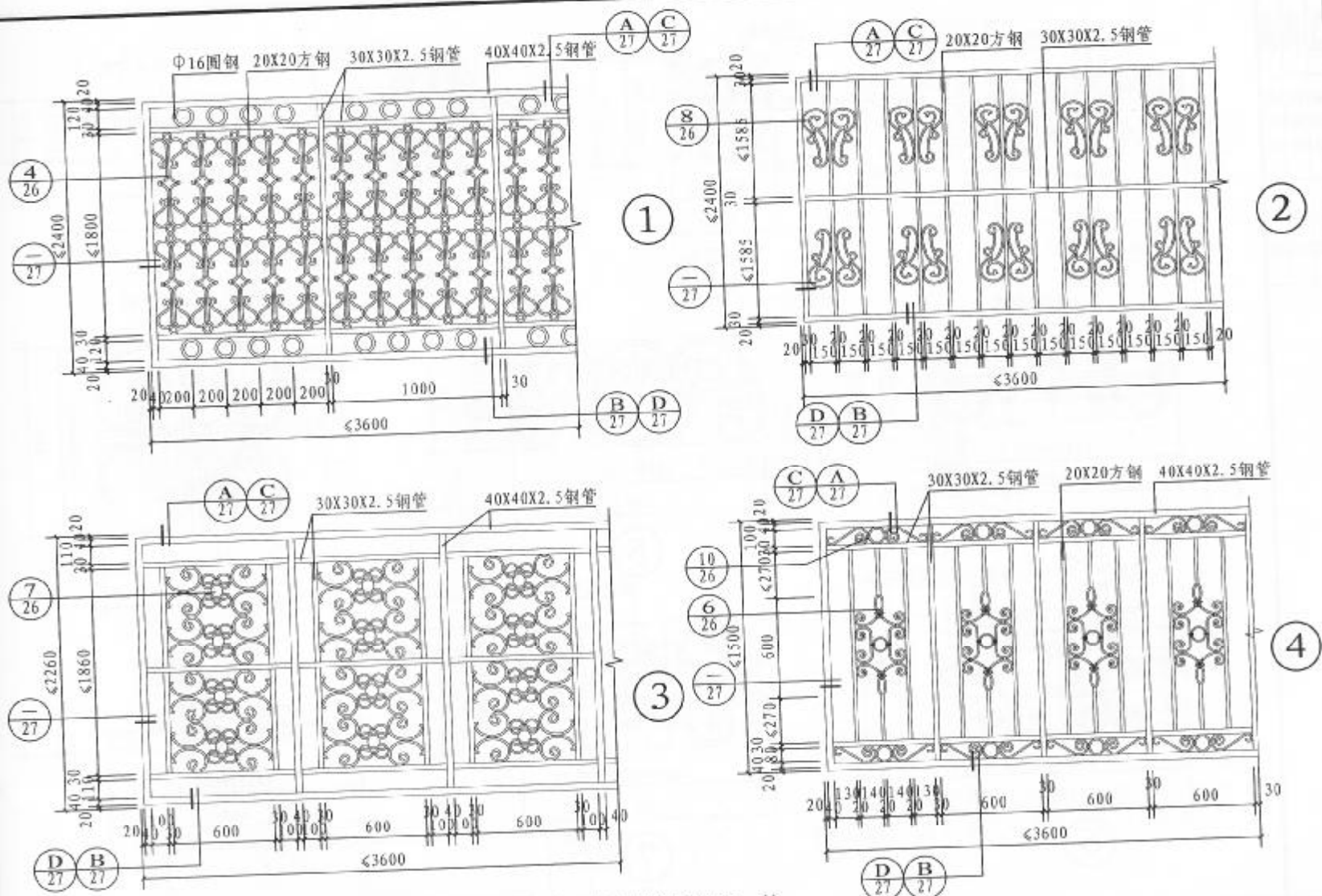


⑦ 组合花式锚固

混凝土漏花锚固

图集号 11ZJ951

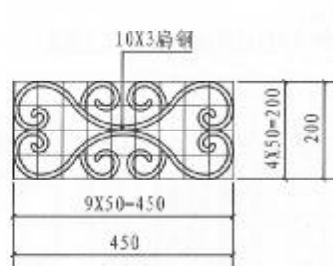
页号 23



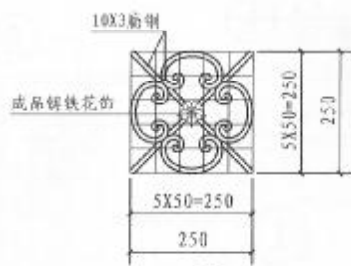
说明: 本金属漏花组合用于无安全要求的室内外装饰构件, 凡与其有关的梁、柱、边框、材料、面层做法等均按单项工程设计, 漏花的连接为焊接或螺栓连接按单项工程设计定。

金属漏花组合二

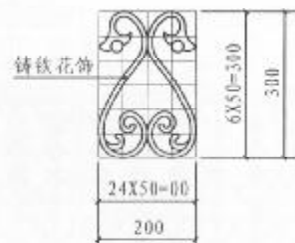
图集号 11ZJ951
页号 25



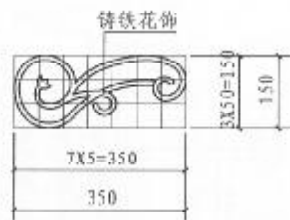
①



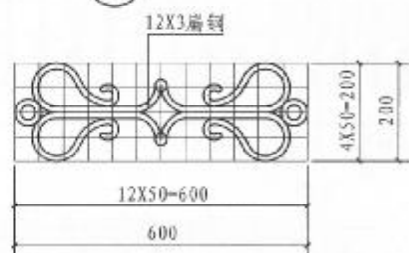
②



③



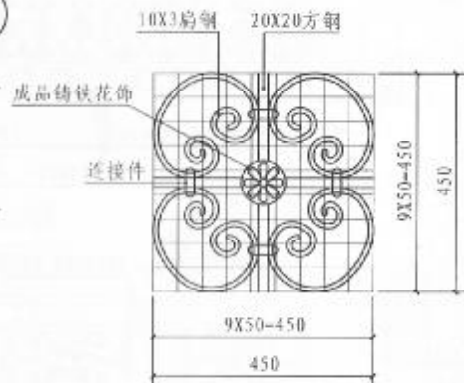
⑧



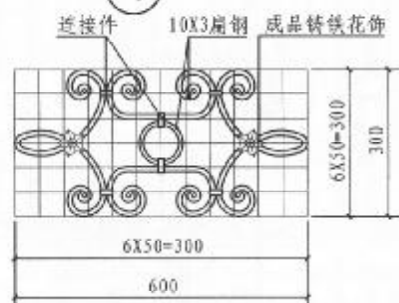
④



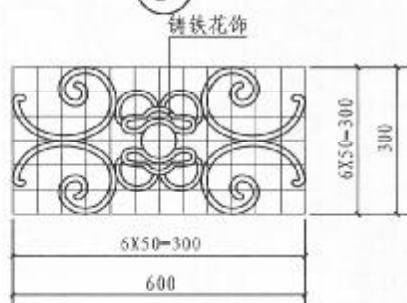
⑤



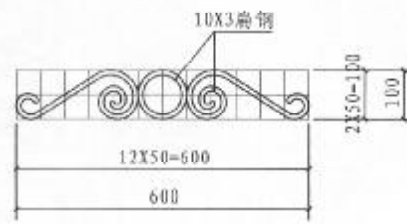
⑨



⑥



⑦

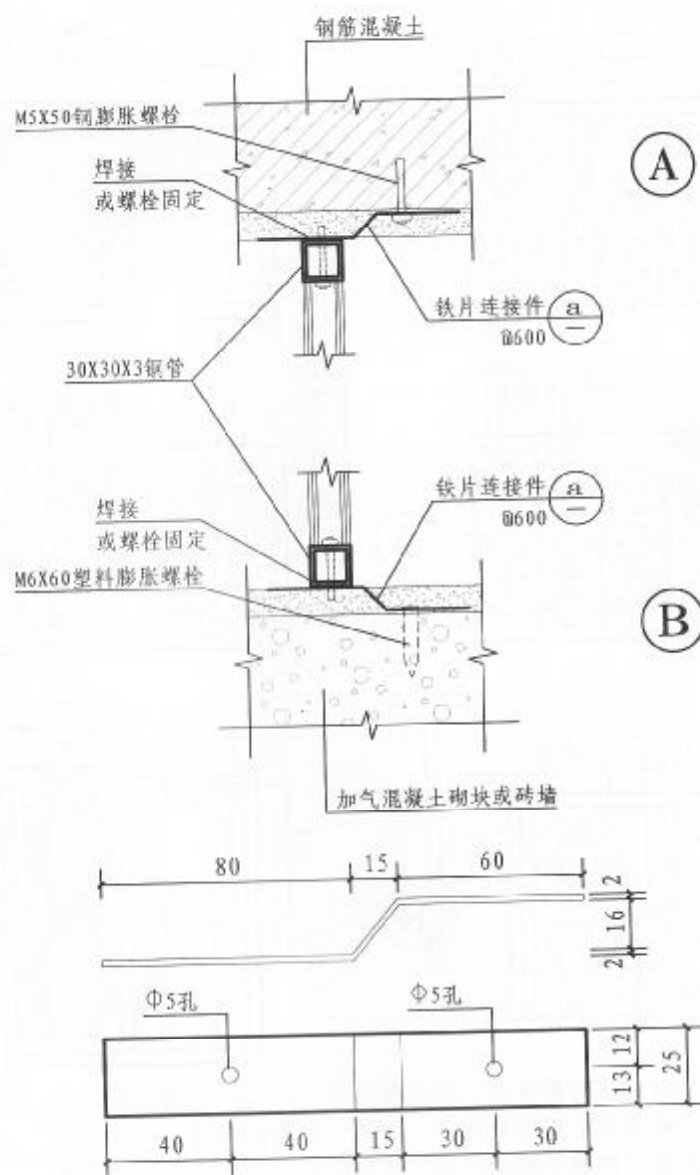


⑩

说明: 金属漏花单元中的各构件尺寸及材料仅供参考, 设计时可根
据需要选择合适的其他尺寸及材料。

金属漏花基本单元

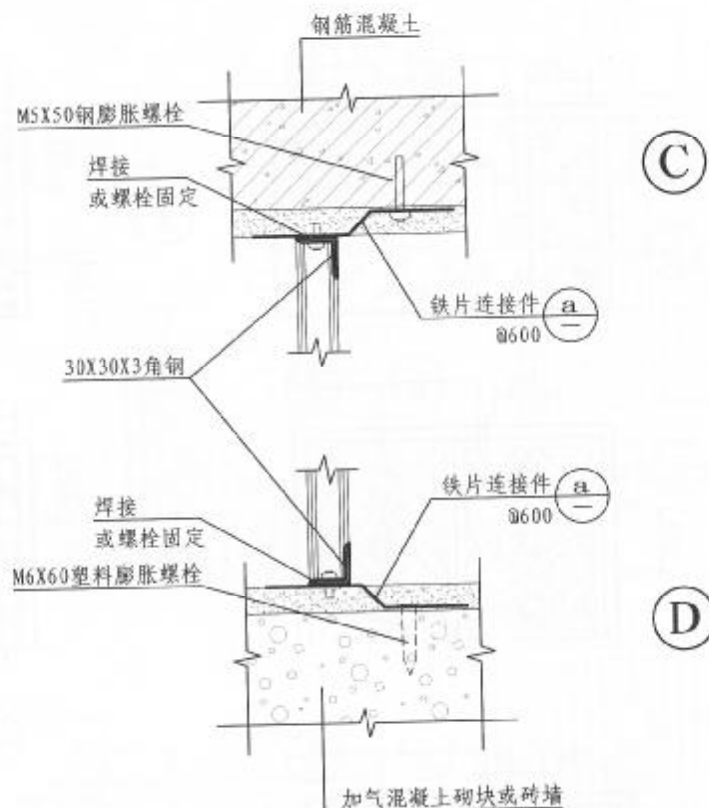
图集号	11ZJ9
页号	26



A

B

a



C

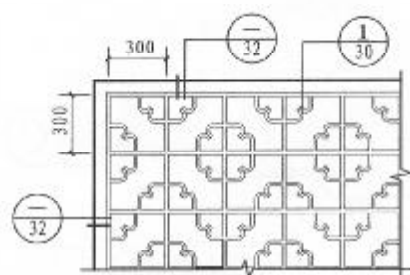
D

说明: 漏花框料与洞口之间的固定, 除按本页节点施工外, 还可在墙中预埋钢连接件, 也可用射钉嵌固在洞框上, 具体按单项工程设计。图中框料尺寸与材料可根据不同的漏花组合形式作相应的更改。

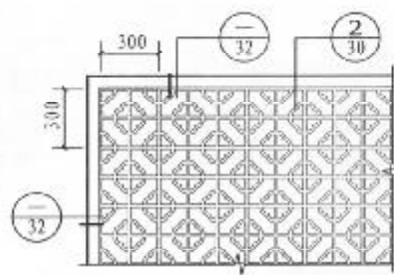
金属漏花锚固详图

图集号	11ZJ951
页号	27

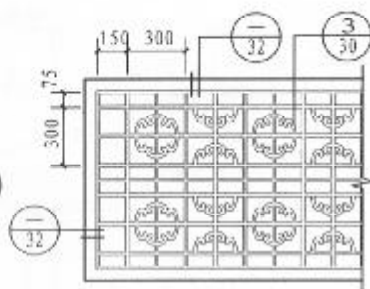
设计	陈永斌
校对	李非露
绘图	李非露



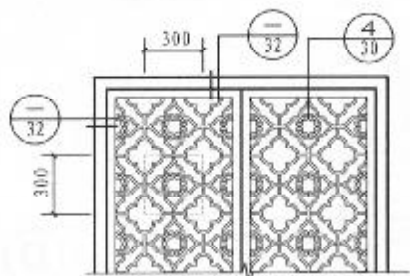
1



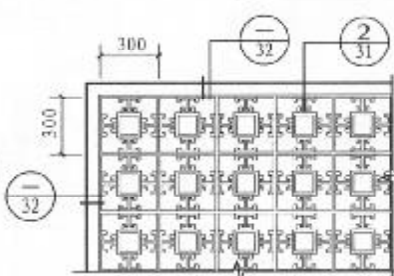
2



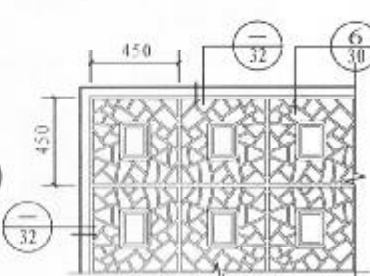
3



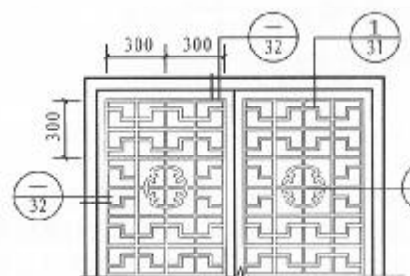
4



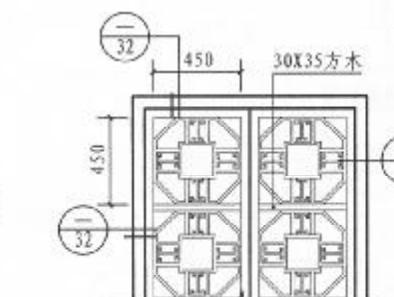
5



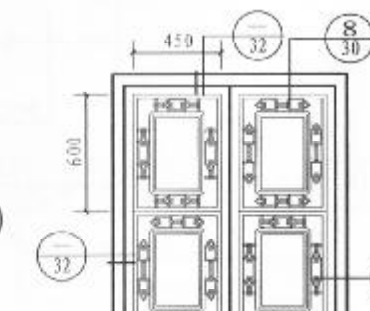
6



7



8

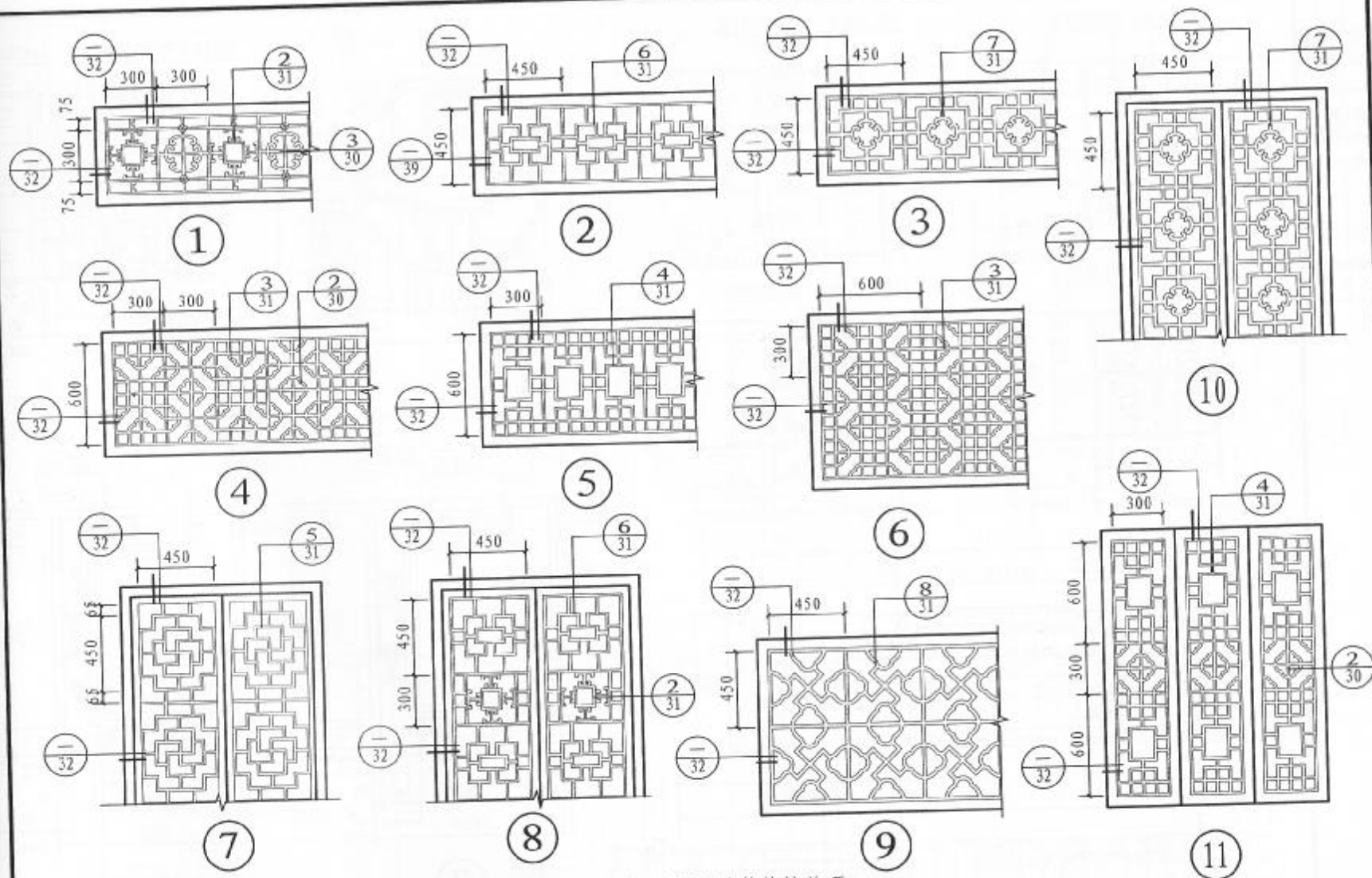


9

说明: 木制漏花组合中, 凡与其有关的梁、柱、边框、材料、面层做法等均按单项工程设计。漏花的连接为榫接、胶接或螺钉固定按单项工程设计定。漏花可由厂家加工, 单元尺寸详见30、31页。漏花单元可组合成花窗、隔断、花隔墙等按单项工程设计。

木制漏花组合一

图集号	11ZJ95
页号	28



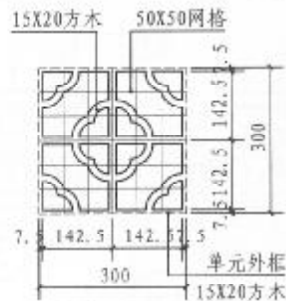
说明: 木制漏花组合中, 凡与其有关的梁、柱、边框、材料、面层做法等均按单项工程设计。漏花的连接为榫接、胶接或螺钉固定按单项工程设计定。漏花可由厂家加工, 单元尺寸详见30、31页。漏花单元可组合成花窗、隔断、花隔墙等按单项工程设计。

木制漏花组合二

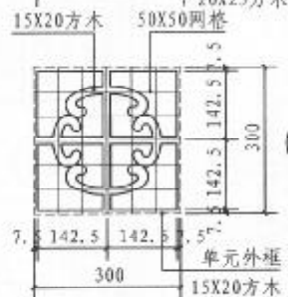
图集号	11ZJ951
页号	29



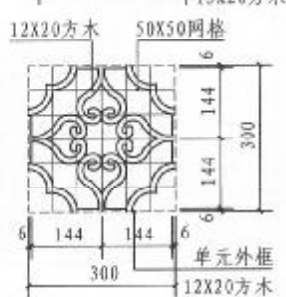
1



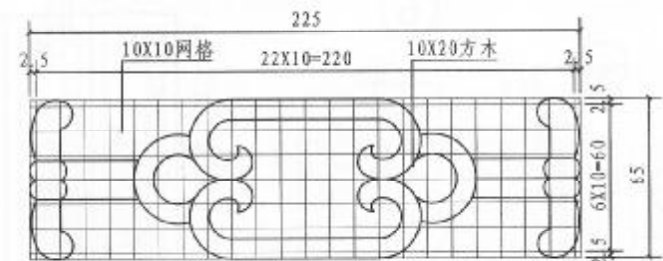
2



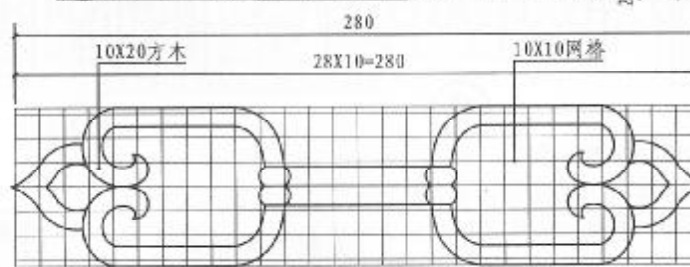
3



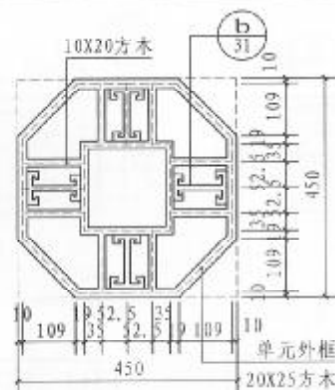
4



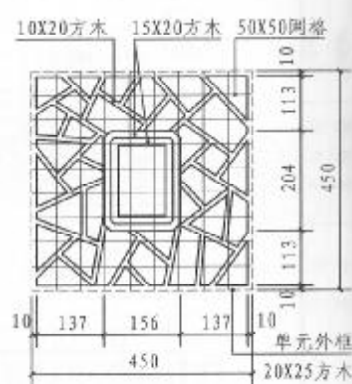
a



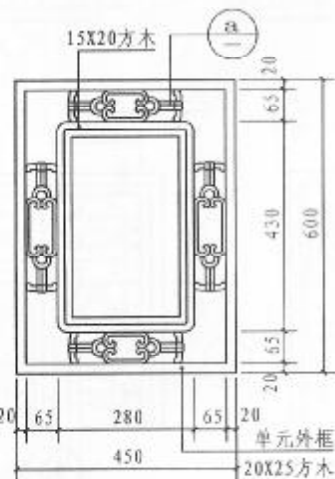
b



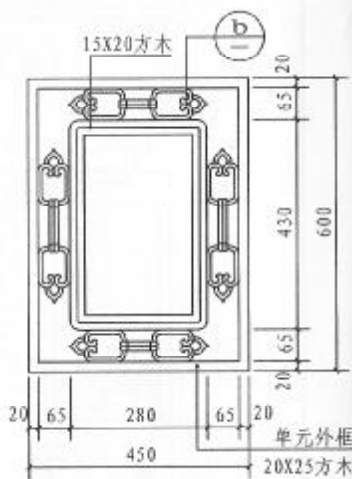
5



6



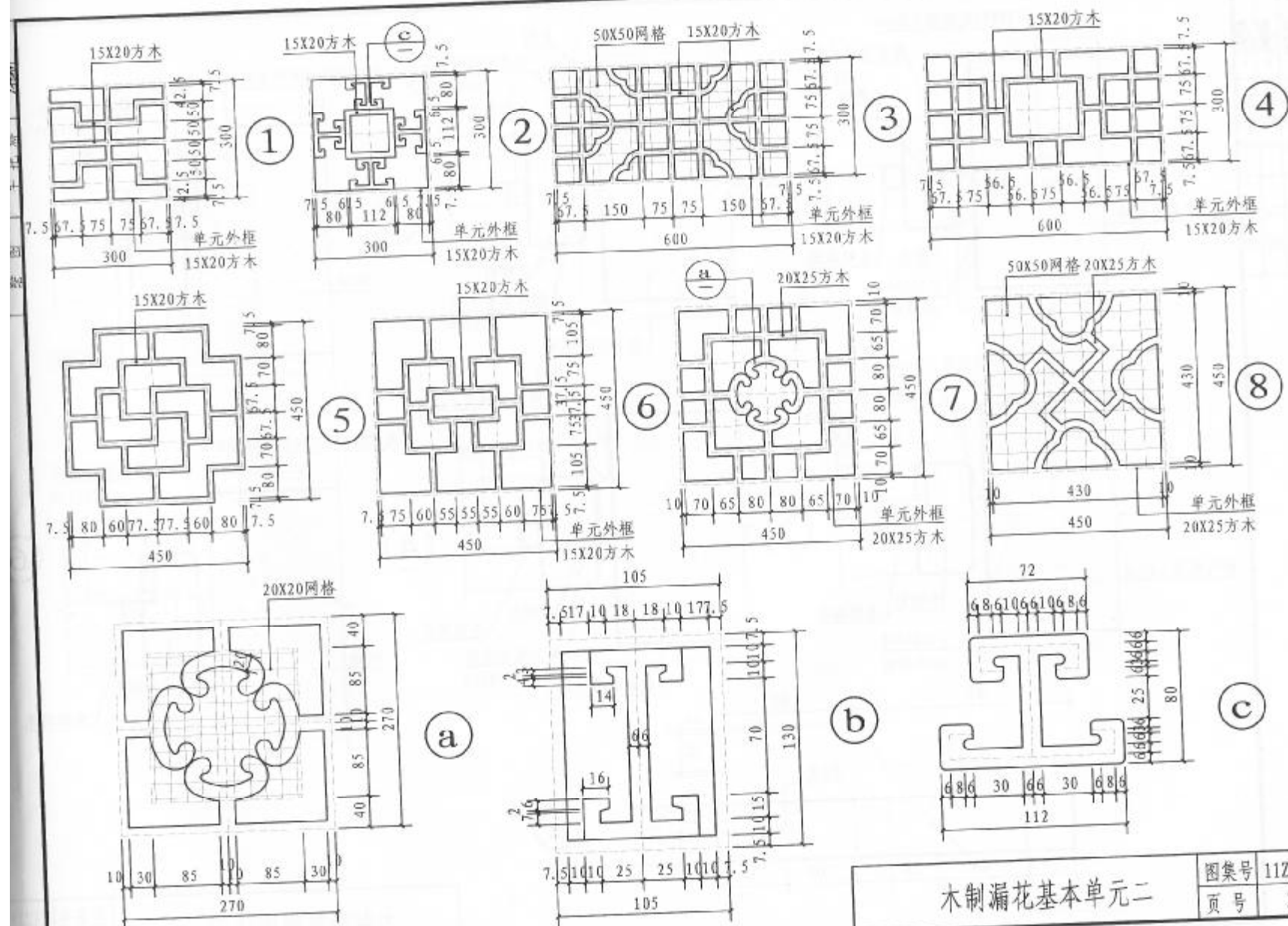
7



8

木制漏花基本单元一

图集号	112J9
页 号	30



木制漏花基本单元二

图集号	11ZJ951
页号	31

[illegible]

中南地区工程建设标准设计

ZHONGNAN DIQU GONGCHENG JIANSHE BIAOZHUN SHEJI

■ 建筑图集

□ 结构图集

□ 给水排水图集

□ 电气图集

□ 暖通图集

□ 市政图集



1 5 1 1 2 2 0 6 6 5

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