

轻钢别墅-设计说明

建筑概况:

1. 房屋建筑面积 175m², 檐口高度 5.485m, 屋面坡度 10° (17.6%)
2. 房屋采用轻钢体系+钢底盘结构。数量5套。

荷载概况:

风荷载: 100 km/h 屋面恒载: 0.30 KN/M² 楼面恒载: 0.50 KN/M²
 雪荷载: 0.00 KN/M² 屋面活载: 0.50 KN/M² 楼面活载: 2.00 KN/M²

房屋参数:

1. 框架: 一层主次梁、材料为SGH440高强镀锌; 方管柱热镀锌处理; 圆管支撑采用镀锌管材。
2. 屋面: 0.5mm彩钢瓦楞单板屋面+双面铝箔编织布+ 不锈钢丝网。
3. 外墙板: 0.5mm波纹彩钢板+双面铝箔编织布+0.8mm厚89系轻钢龙骨+6mm室内水泥纤维板墙面。其中厨房橱柜位置增加9mmOSB板。厨房以及卫生间内部为300x450mm瓷砖饰面。
4. 内墙板: 6mm室内水泥纤维板墙面+0.8mm厚89系轻钢龙骨+6mm室内水泥纤维板墙面。其中厨房位置增加9mmOSB板。厨房以及卫生间内部为300x450mm瓷砖饰面。室内油漆涂料客户自理。
5. 吊顶: 二层室内采用6mm水泥纤维板吊顶+室内油漆涂料饰面(客户自理), 室外布置0.4mm彩钢吊顶板(RAL9003)+几字形吊顶龙骨, 一层房间室内布置6mm水泥纤维板吊顶, 其余空旷区域无吊顶
6. 地面: 一层室内地面采用瓷砖, 二层室内地板采用20mm水泥纤维板+5mm厚PVC锁扣地板。湿区PVC地板更换为瓷砖。室外平台地面采用20mm塑木地板
7. 门窗: 门窗需要我司提供, 铝合金边框颜色白色, 纱窗及金刚网颜色白色, 门窗洞口需要各边预留5mm安装间隙。
8. 包边: 屋面、墙面包边采用0.5mm自折彩钢板, 颜色白灰RAL9016。
9. 进排水系统: 进排水管需要澳标(我司提供), 卫浴系统需要提供, 包括淋浴房、澳标坐便器, 洗手池(水龙头需要澳标); 橱柜需要提供(水龙头澳标)
10. 电力: 澳标电力, 我司需要提供。
11. 楼梯: 楼梯采用钢楼梯, 槽钢与6mm连接板焊接成型后先电镀锌处理, 再与扶手栏杆焊接。
12. 落水系统: PVC檐沟+75x50mm矩形落水管。

注: 所有材料采用20尺小柜出运, 框架部分及配件屋面一套装一个柜子, 不可混装, 其他通用材料可按照类别统一打包, 保证所有材料在现场容易查找和区分。

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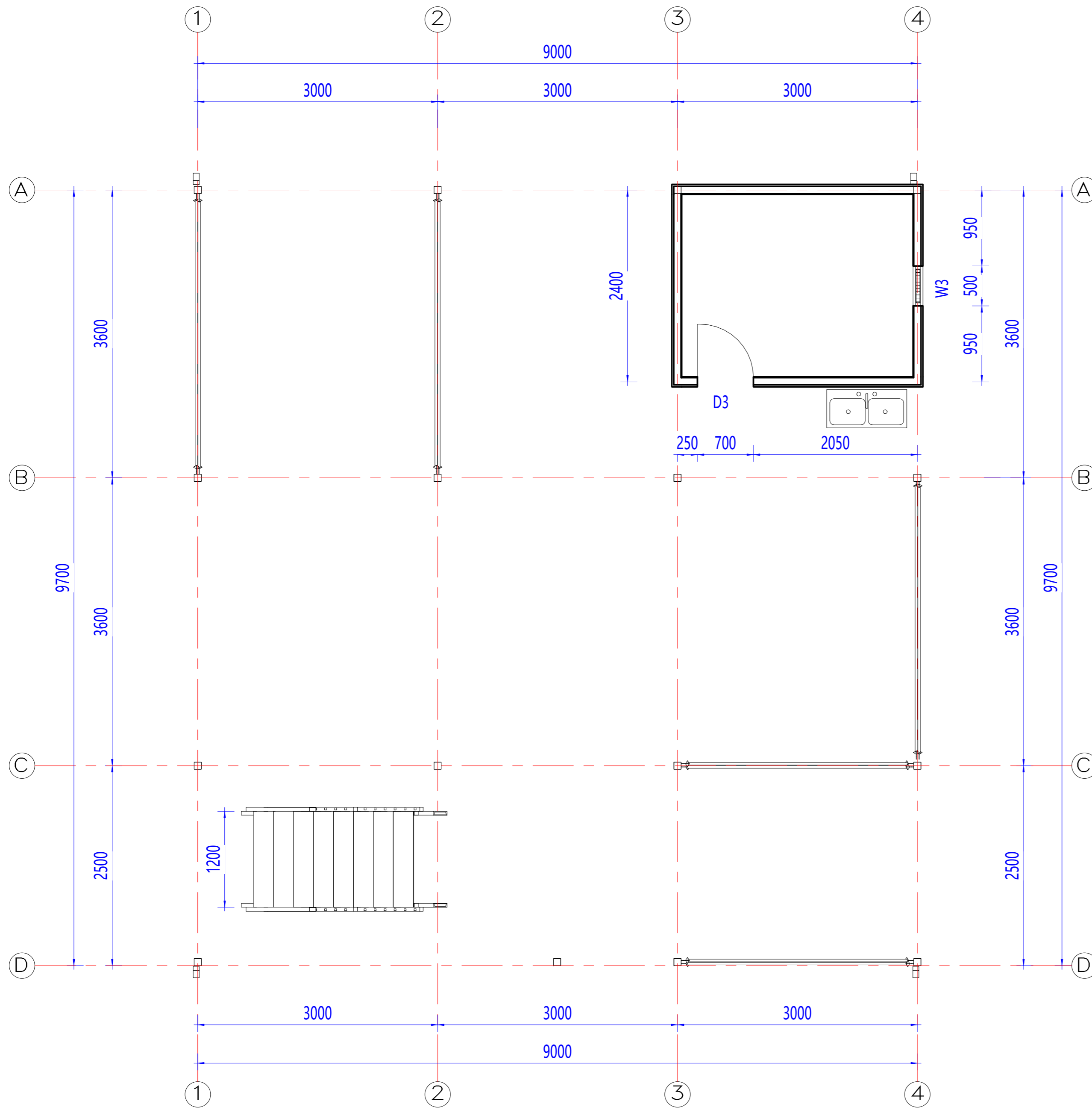
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Project Name
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Title
 设计说明

Title	PT230301-1	Title	JZ
Scale		Dwg.No.	J0-00

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平面布置图

种类	编号	名称	尺寸	数量
门	D1	钢质门	920x2035mm	1
	D2	钢质门	840x2035mm	3
	D3	钢质门	700x2035mm	2
窗	W1	铝合金玻璃转动百叶窗+金刚网纱窗	1200x1200mm	8
	W2	铝合金玻璃转动百叶窗+金刚网纱窗	1800x1200mm	1
	W3	铝合金玻璃转动百叶窗+金刚网纱窗	500x600mm	2

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Title
平面

Title	PT230301-1	Title	JZ
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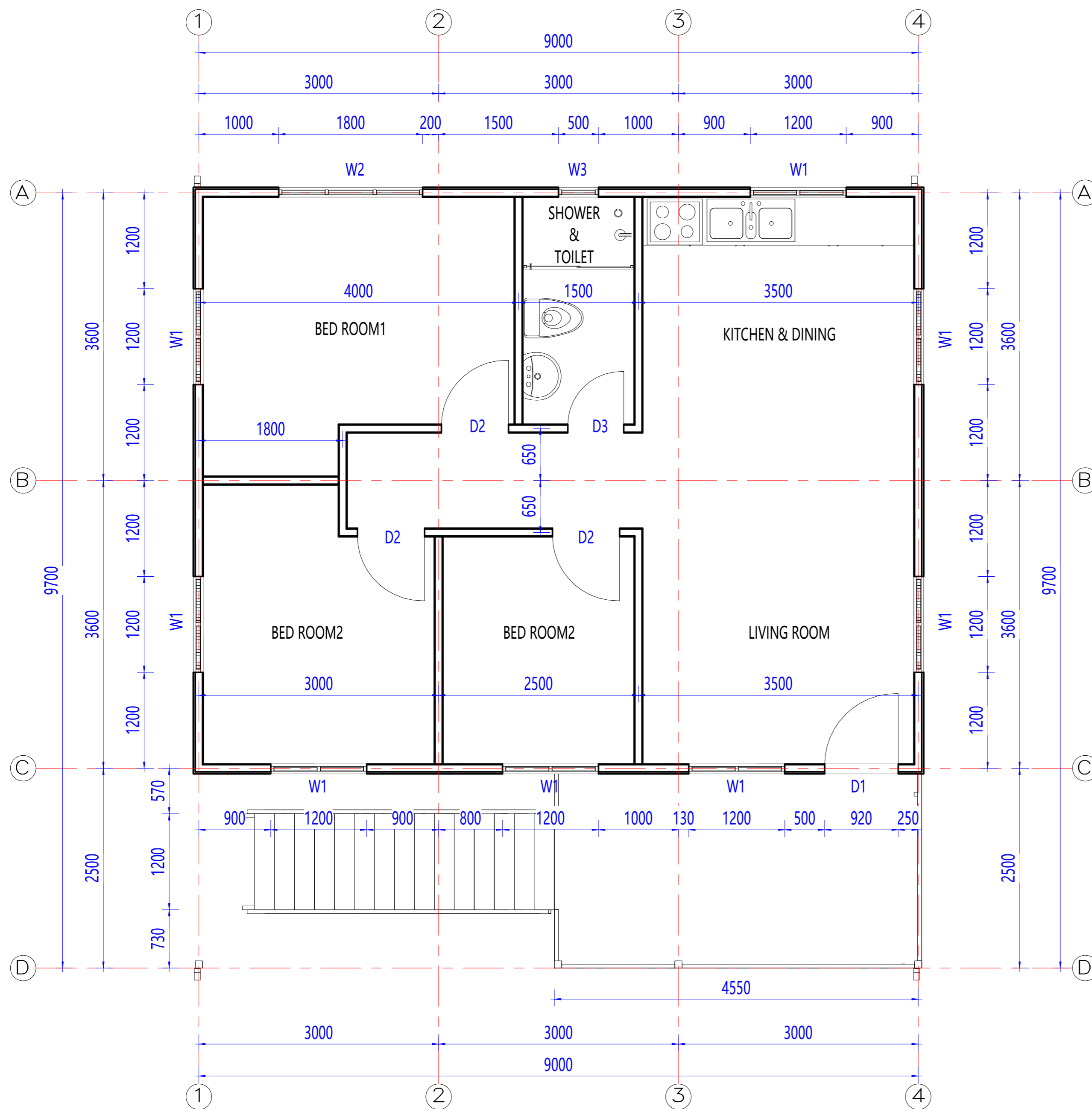
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Title
二层平面

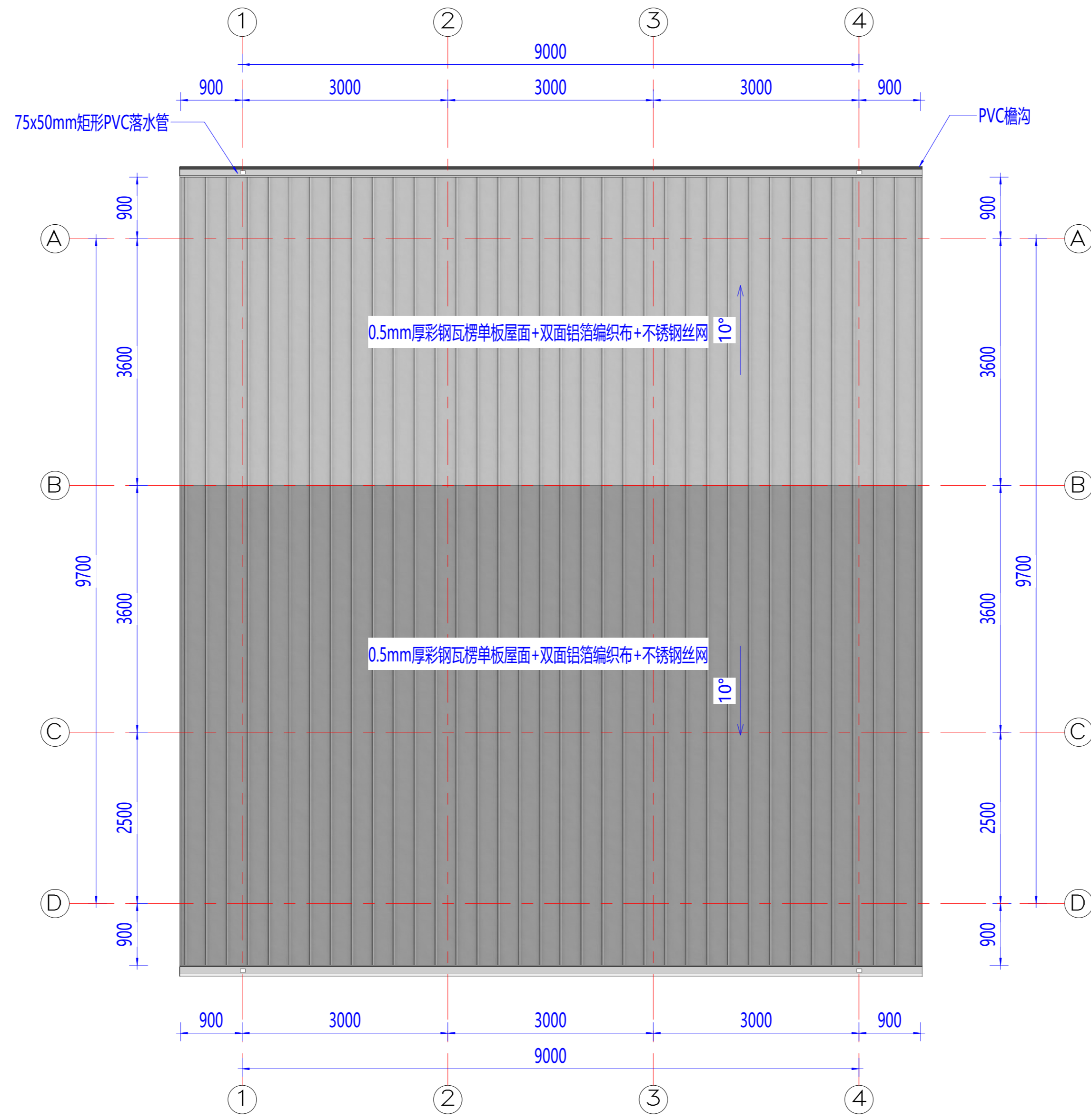
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二层平面布置图

种类	编号	名称	尺寸	数量
门	D1	钢质门	920x2035mm	1
	D2	钢质门	840x2035mm	3
	D3	钢质门	700x2035mm	2
窗	W1	铝合金玻璃转动百叶窗+金刚网纱窗	1200x1200mm	8
	W2	铝合金玻璃转动百叶窗+金刚网纱窗	1800x1200mm	1
	W3	铝合金玻璃转动百叶窗+金刚网纱窗	500x600mm	2



屋面布置图

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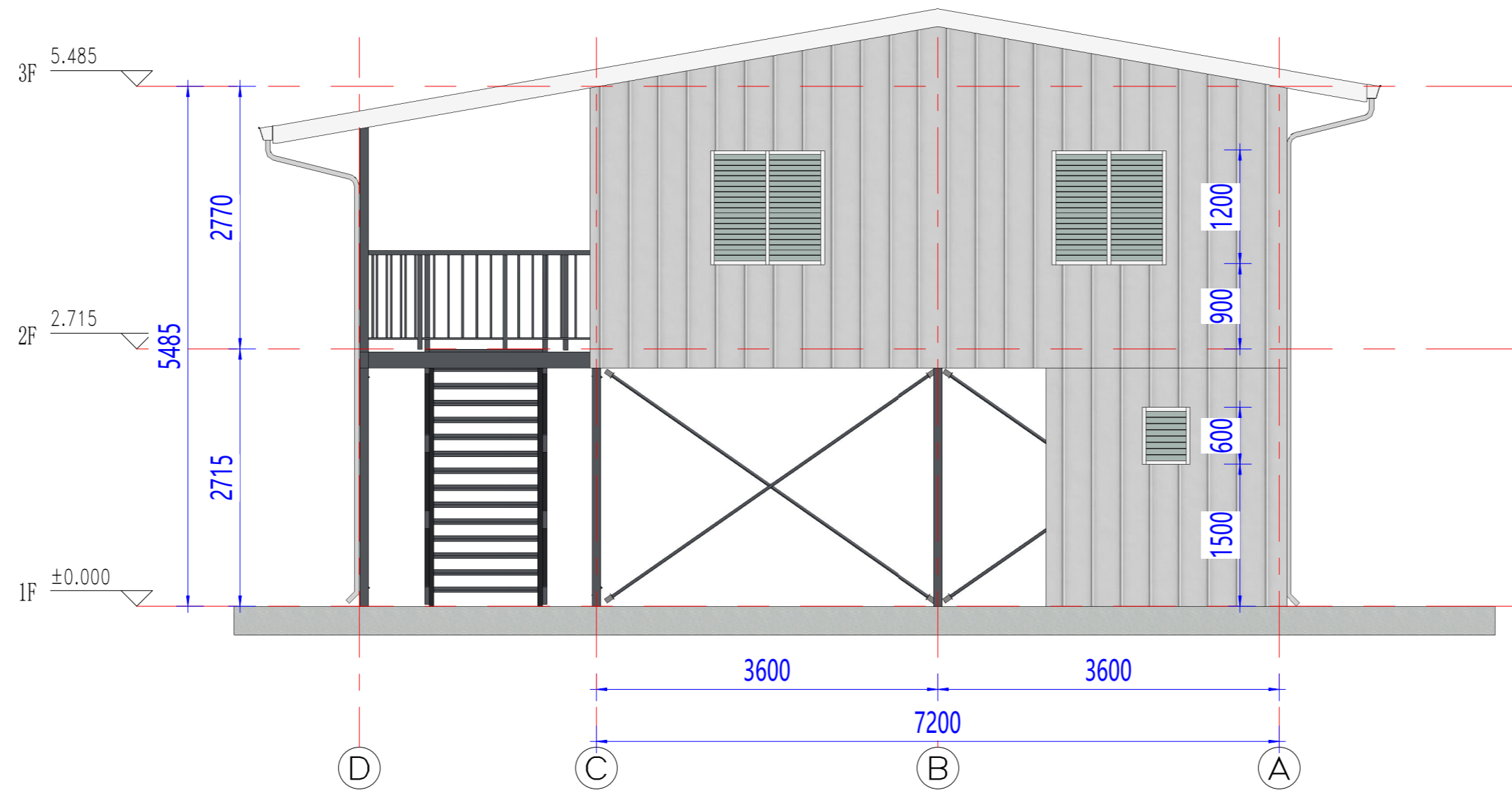
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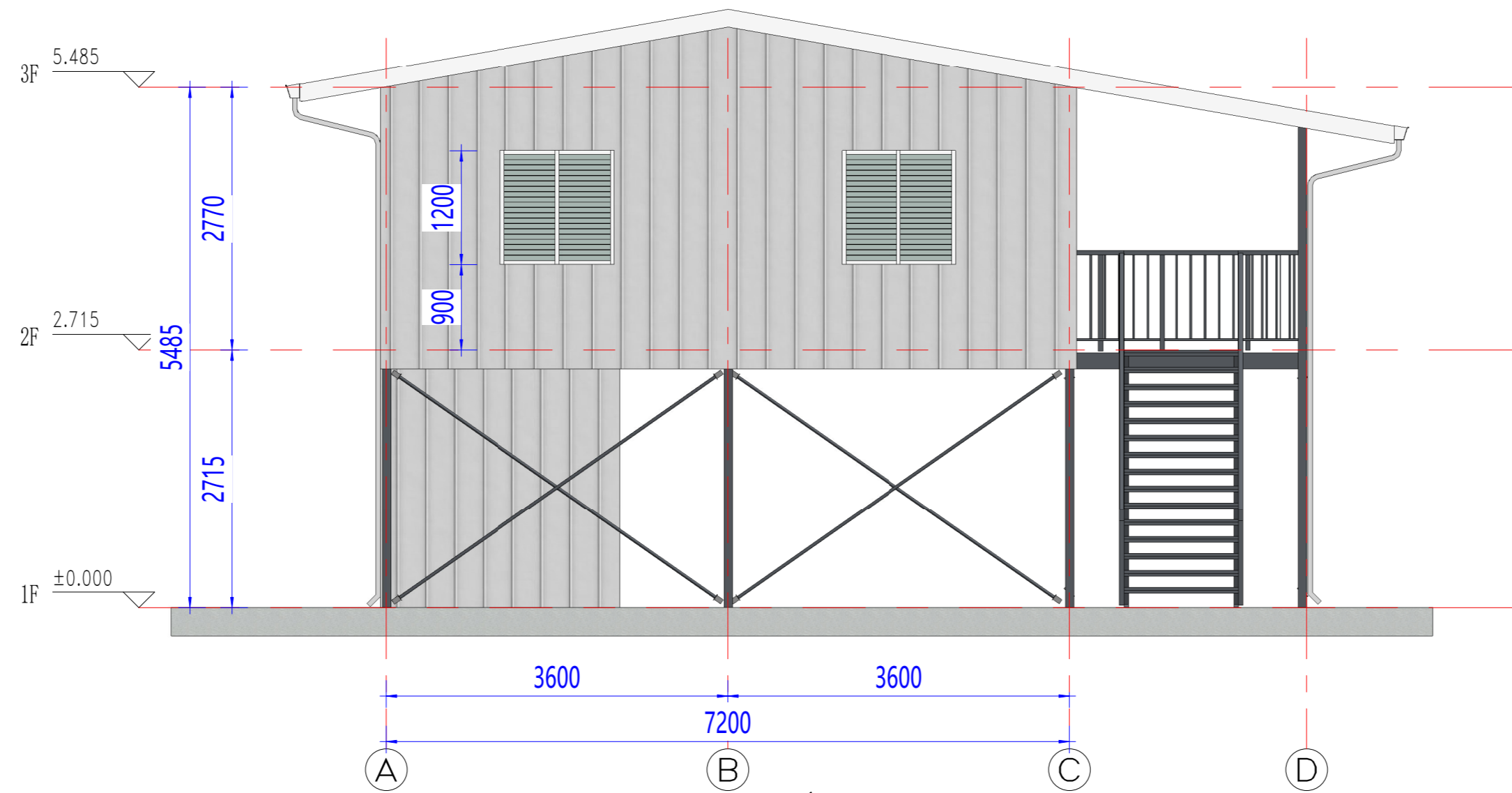
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东立面图



西立面图

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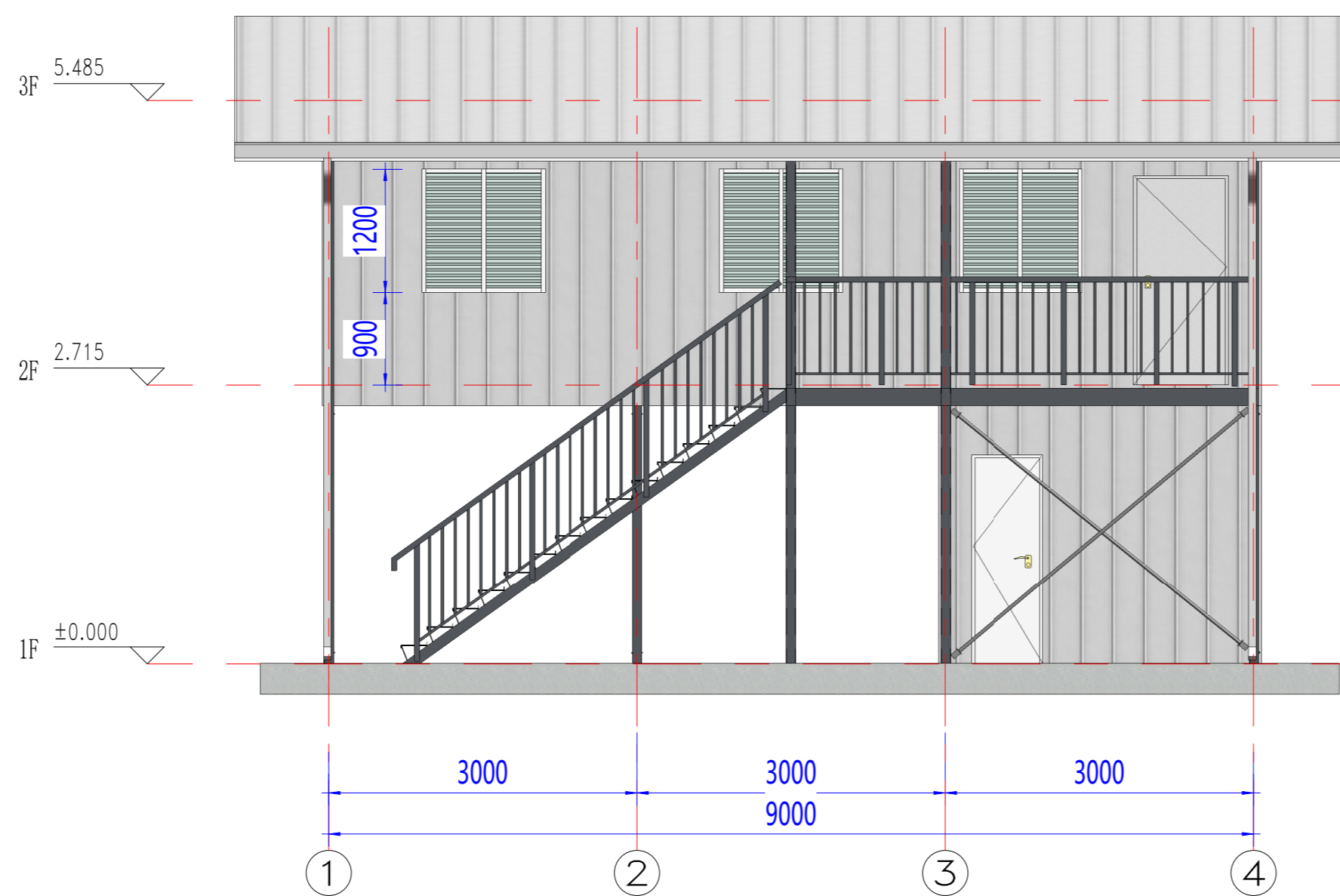
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北立面图



南立面图

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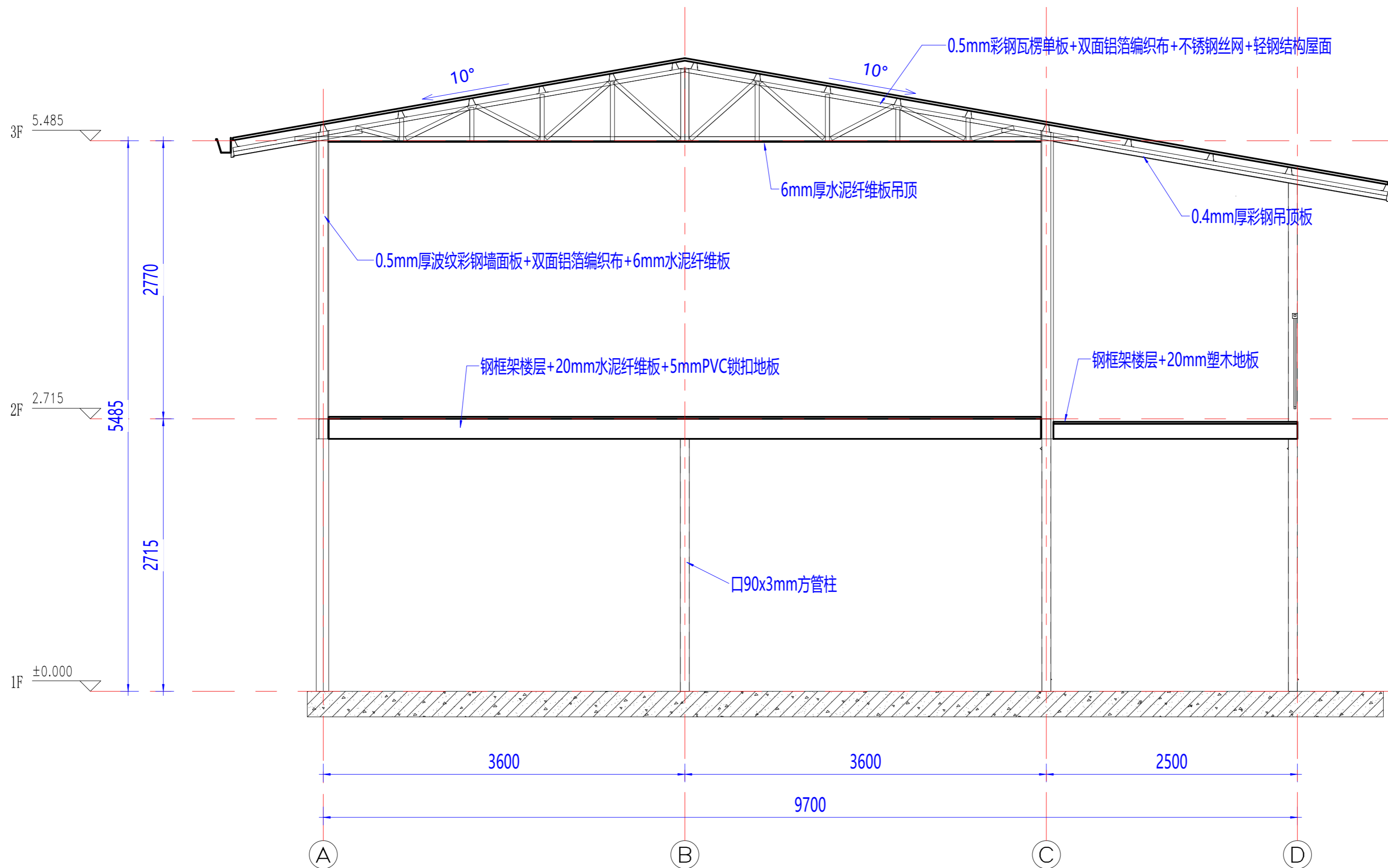
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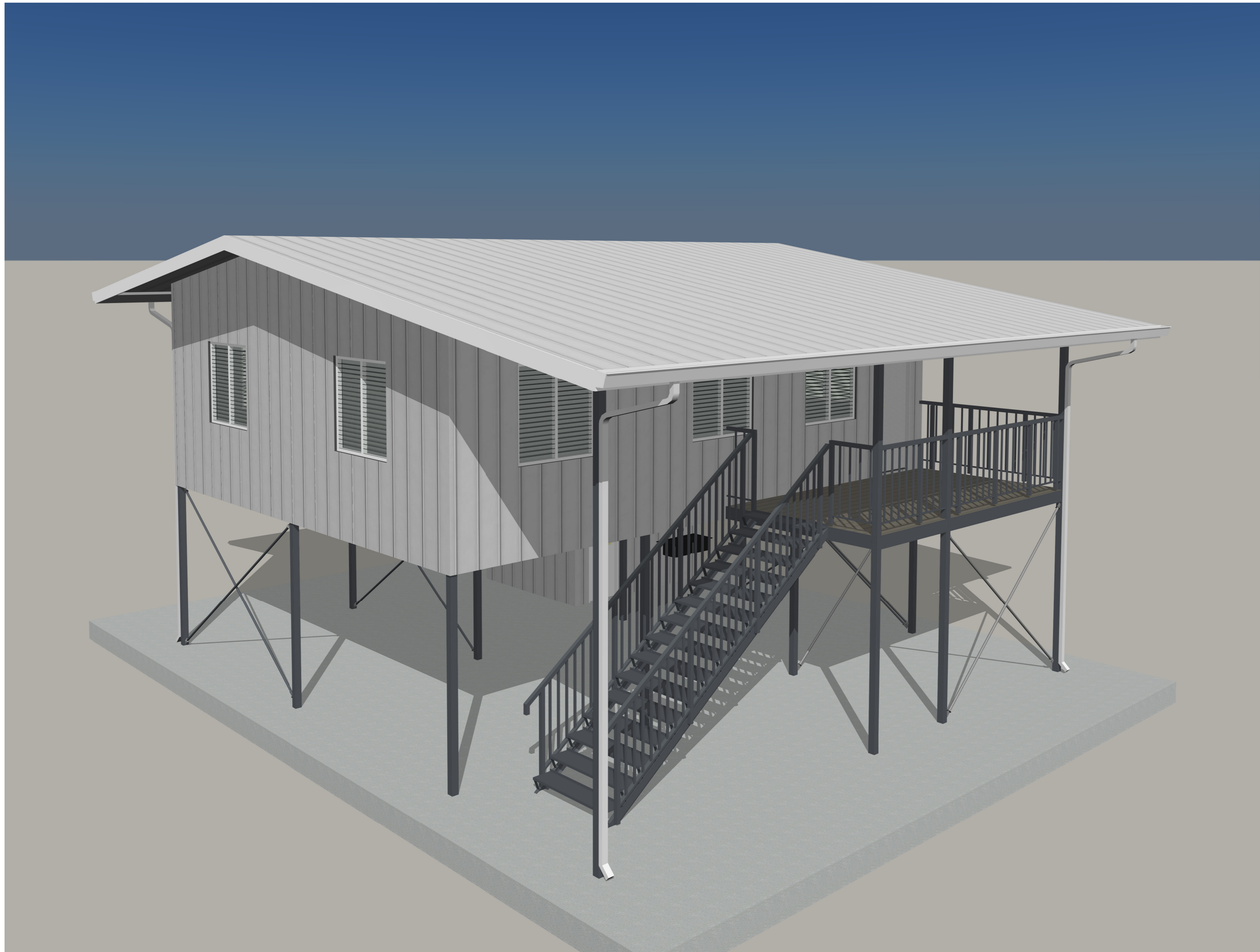
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建筑剖面



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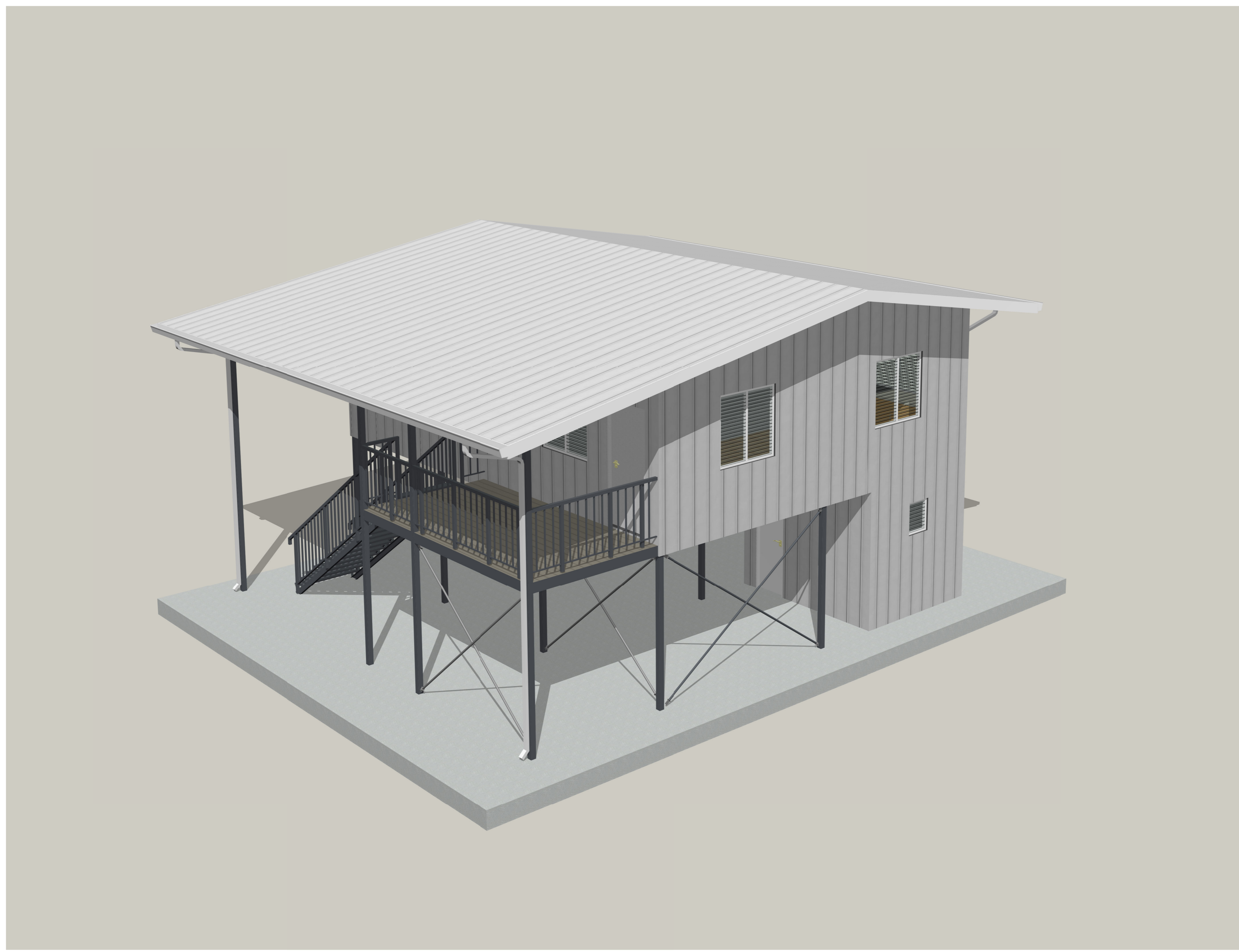
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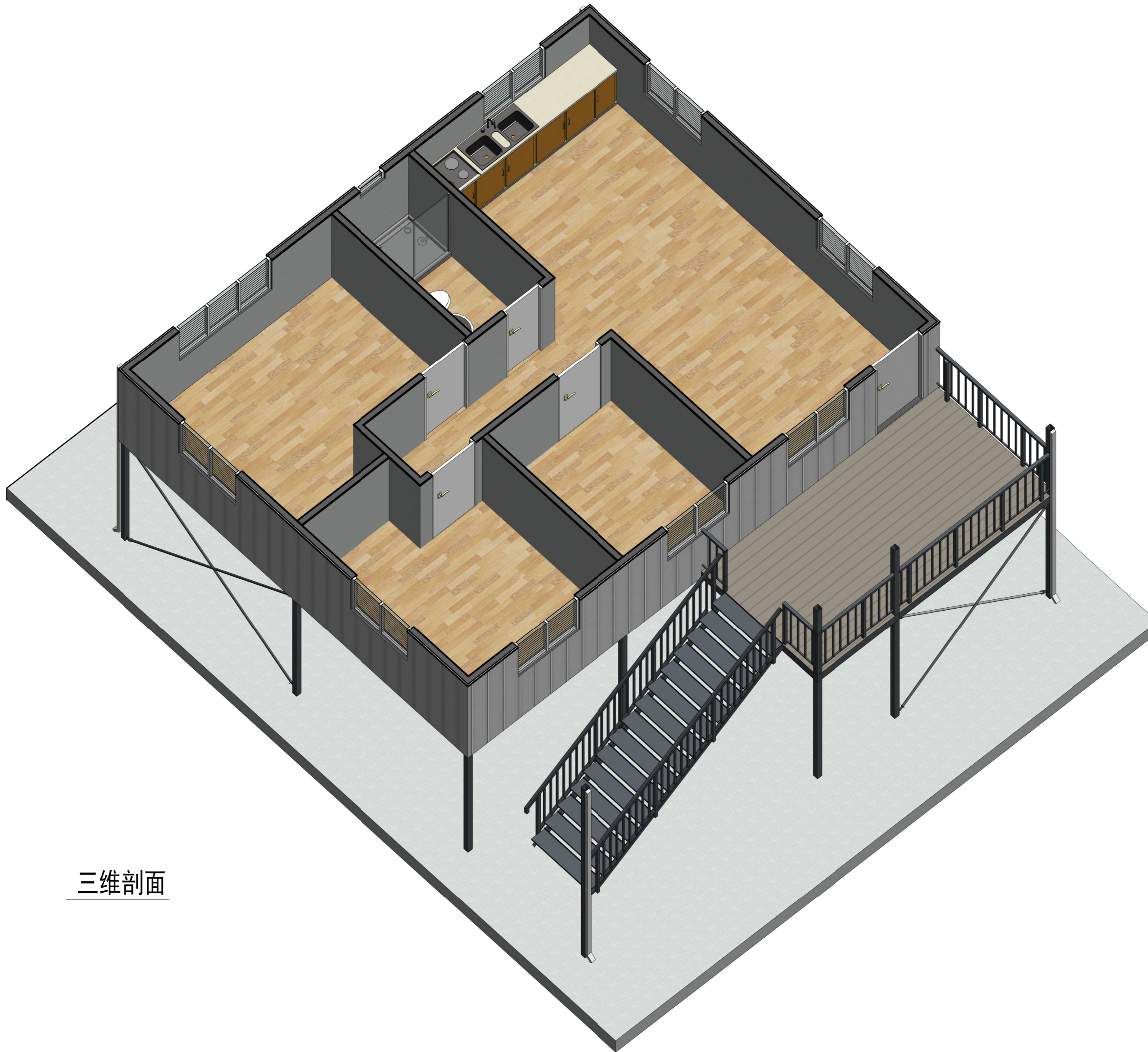
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三维剖面

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