

扩建彩钢棚方案说明

1. 扩建彩钢棚位置：老锅炉房院内原彩钢棚南侧，北接原彩钢棚，东与老锅炉房依山南墙平齐，南靠近南围墙，西至规划道路。
2. 扩建彩钢棚地面为新建硬化地面，但不平整，东西向、南北向均带坡度。西北角与东山南墙角均为52cm。
3. 拟扩建彩钢棚钢架与现有彩钢棚连接，彩钢瓦向南侧压瓦，彩钢瓦厚度0.42mm，蓝色，每跨设一条采光带，如图所示。
4. 为了降噪，彩钢瓦上垫彩钢降噪木瓦。
5. 1#轴立柱标高高一档，2#轴立柱标高高一档，3#轴立柱标高不变，西高东低。
6. 地面西高东低，北高南低，经过初步核算，立柱高度均为4.85m+4.85m，立柱数量为共计20根，立柱为300*200*5mm的方管。
7. 立柱排数数量共计2排，选250*50*10mm的方钢。
8. 立柱加强筋数量共计10根，立柱间距为4.85m+4.85m，立柱数量为共计20根，立柱为300*200*5mm的方管。
9. 檩条数量共计10根，选300*100*5mm的镀锌钢，总长度11.94m+21.14m（详见檩条布置图）。
10. 檩条间距1000*200*2mm的型钢，檩条间距500mm，雨棚设加劲檩条，数量自行计算，檐口1型板材。

The figure contains three technical drawings for the expanded steel structure roof expansion plan:

- Side Elevation View (Left):** Shows a cross-section of the roof structure. It includes dimensions for the height (H), the width of the expansion (8.7m and 2.55m), and the total width (11.25m). It also shows the height of the existing structure (0.15m) and the height of the new expansion (0.15m). The drawing is labeled with points A, B, and C.
- Side Elevation View (Right):** Shows another cross-section of the roof structure. It includes dimensions for the height (H), the width of the expansion (10.75m and 8.7m), and the total width (19.45m). It also shows the height of the existing structure (0.15m) and the height of the new expansion (0.15m). The drawing is labeled with points C, B, and A.
- Plan View (Bottom):** Shows the top-down view of the roof structure. It includes dimensions for the length (11.94m and 21.14m) and the width (0.5m). It also shows the spacing between the columns (4.85m) and the spacing between the rafters (500mm). The drawing is labeled with points 1 through 10.

