

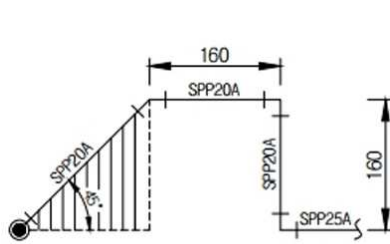
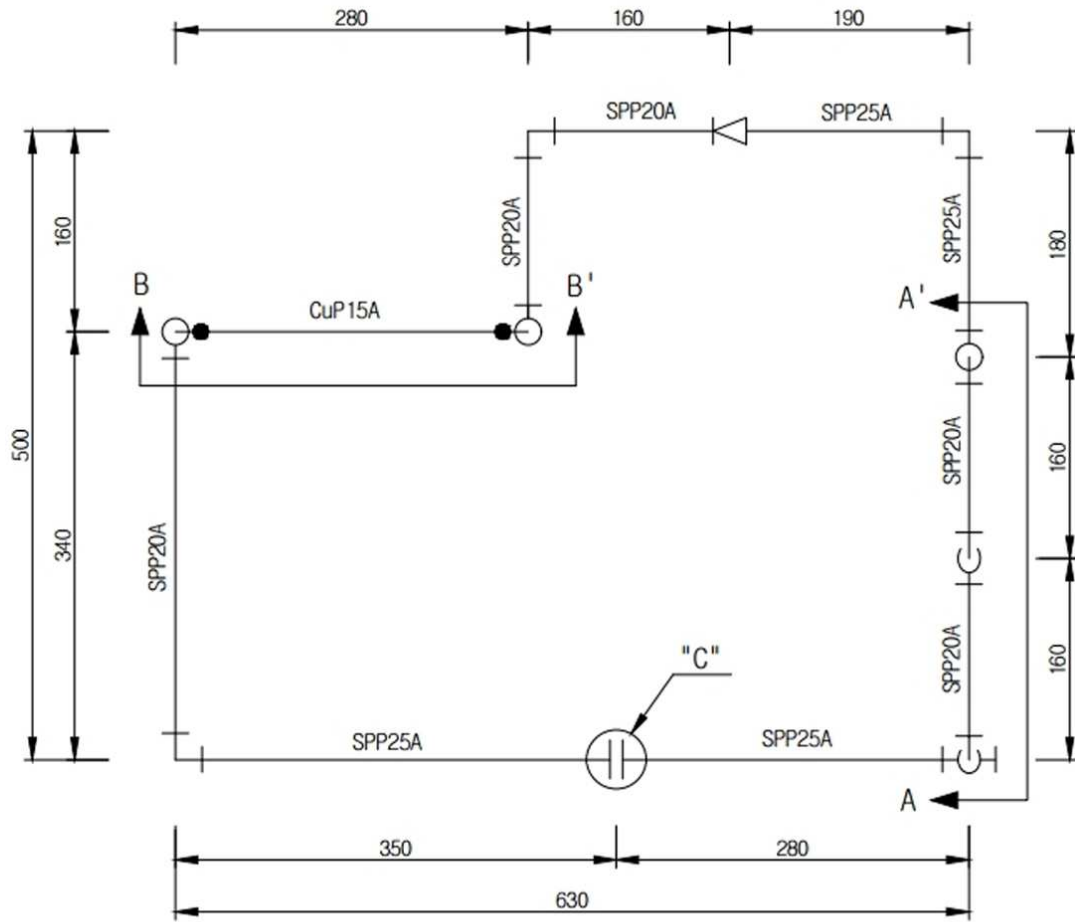
### 3. 도면

강의보기

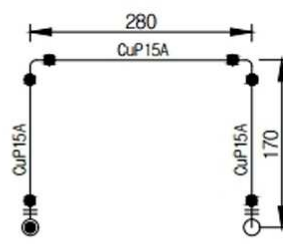


6

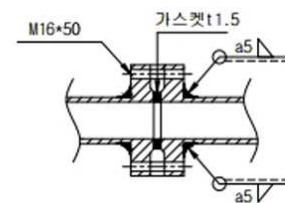
자격종목	에너지관리산업기사	과제명	강관 및 동관 조립	척도	N.S
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A - A' 단면도



B - B' 단면도



"C"부 상세도

**빨간색이 계산란**

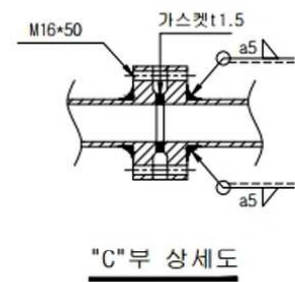
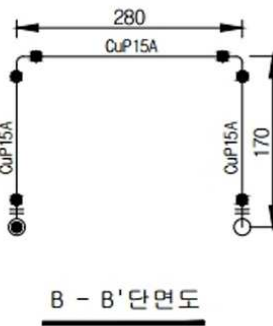
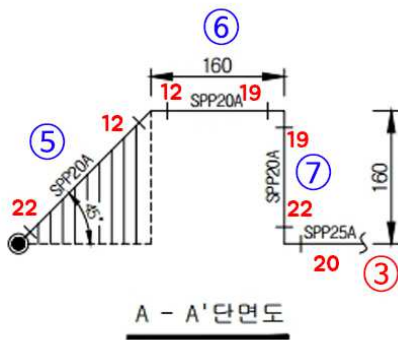
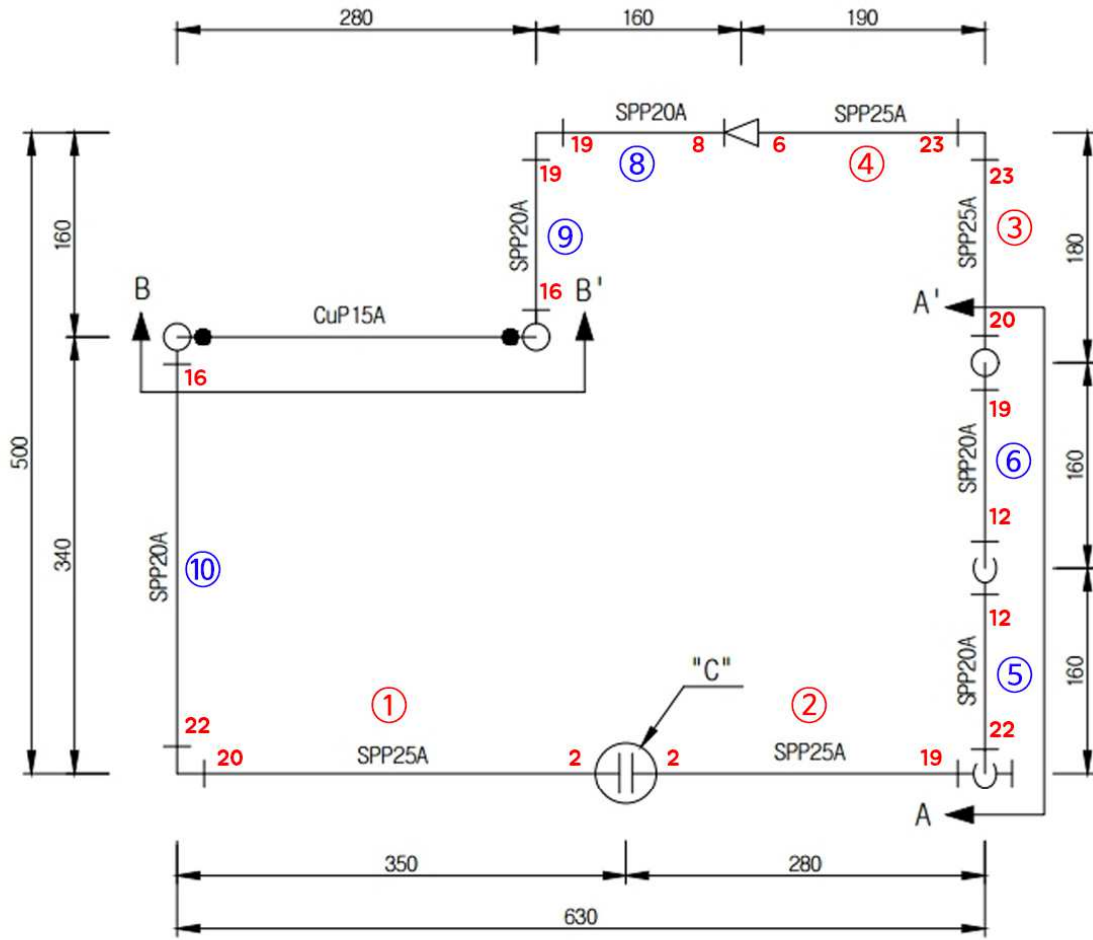
### 3. 도면

강의보기



6

자격종목	에너지관리산업기사	과제명	강관 및 동관 조립	척도	N.S
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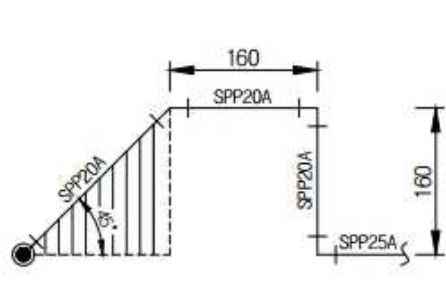
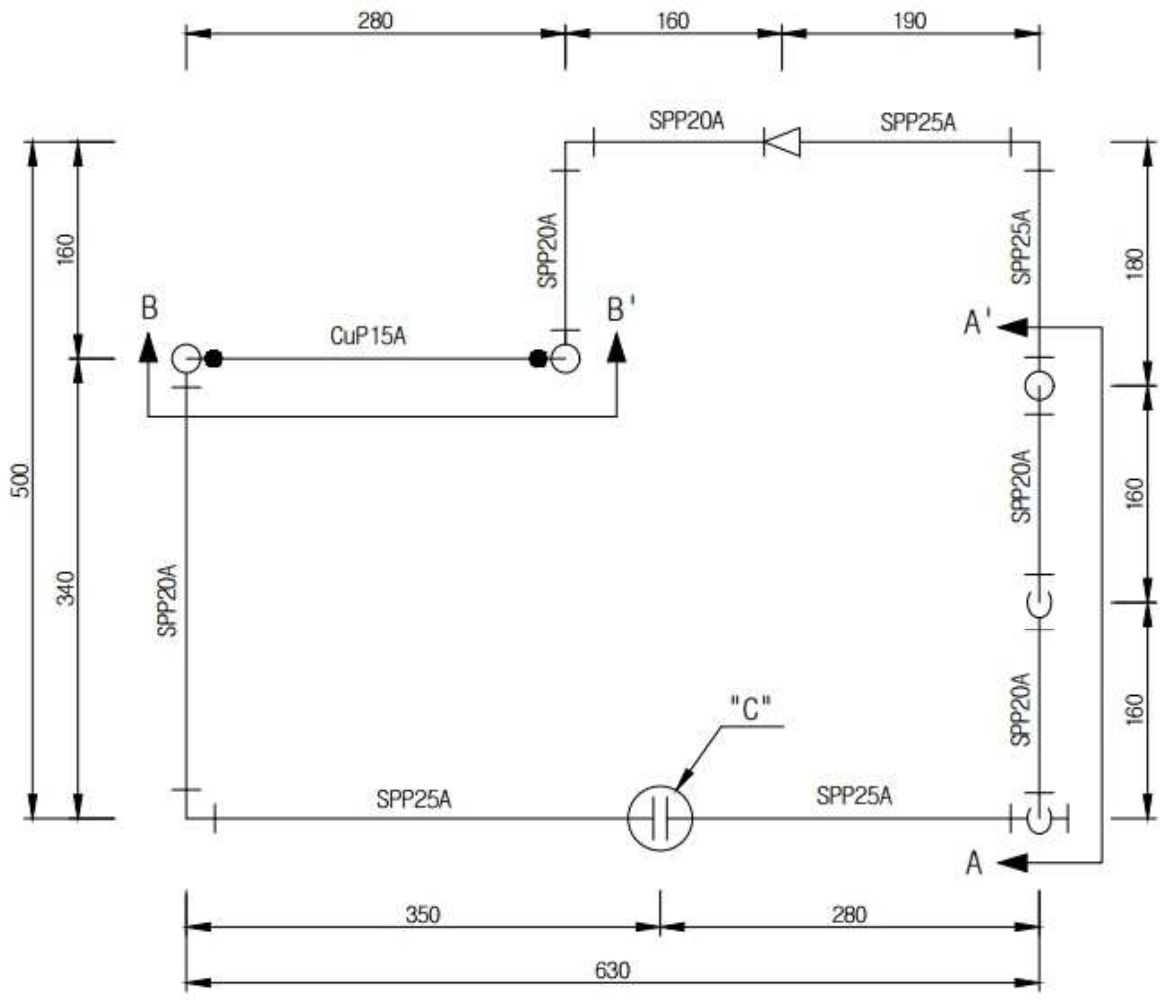


#### 뺀길이 계산란

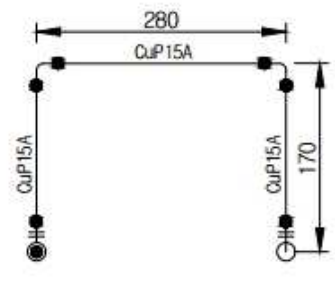
- |   |  |                           |
|---|--|---------------------------|
| <sup>25A</sup> ① $350 - (20 + 2) = 328$ | <sup>20A</sup> ⑤ $226 - (22 + 12) = 192$ | ⑩ $340 - (16 + 22) = 302$ |
| ② $280 - (2 + 19) = 259$                | ⑥ $160 - (12 + 19) = 129$                |                           |
| ③ $180 - (20 + 23) = 137$               | ⑦ $160 - (19 + 22) = 119$                |                           |
| ④ $190 - (23 + 6) = 161$                | ⑧ $160 - (8 + 19) = 133$                 |                           |
|   | ⑨ $160 - (19 + 16) = 125$                |                           |

3. 도면

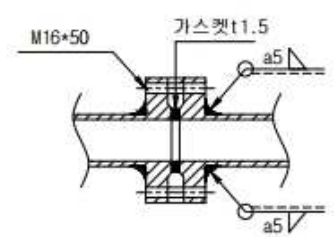
자격종목	에너지관리산업기사	과제명	강관 및 동관 조립	척도	N.S
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A - A' 단면도



B - B' 단면도



"C"부 상세도