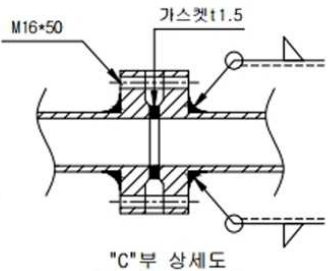
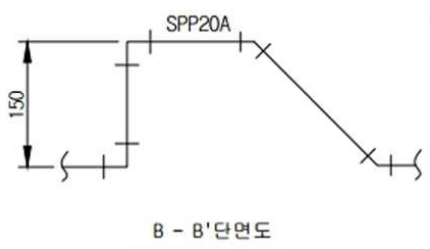
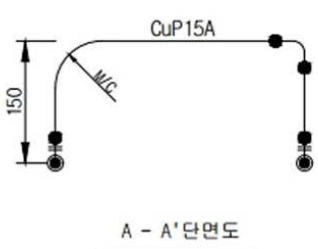
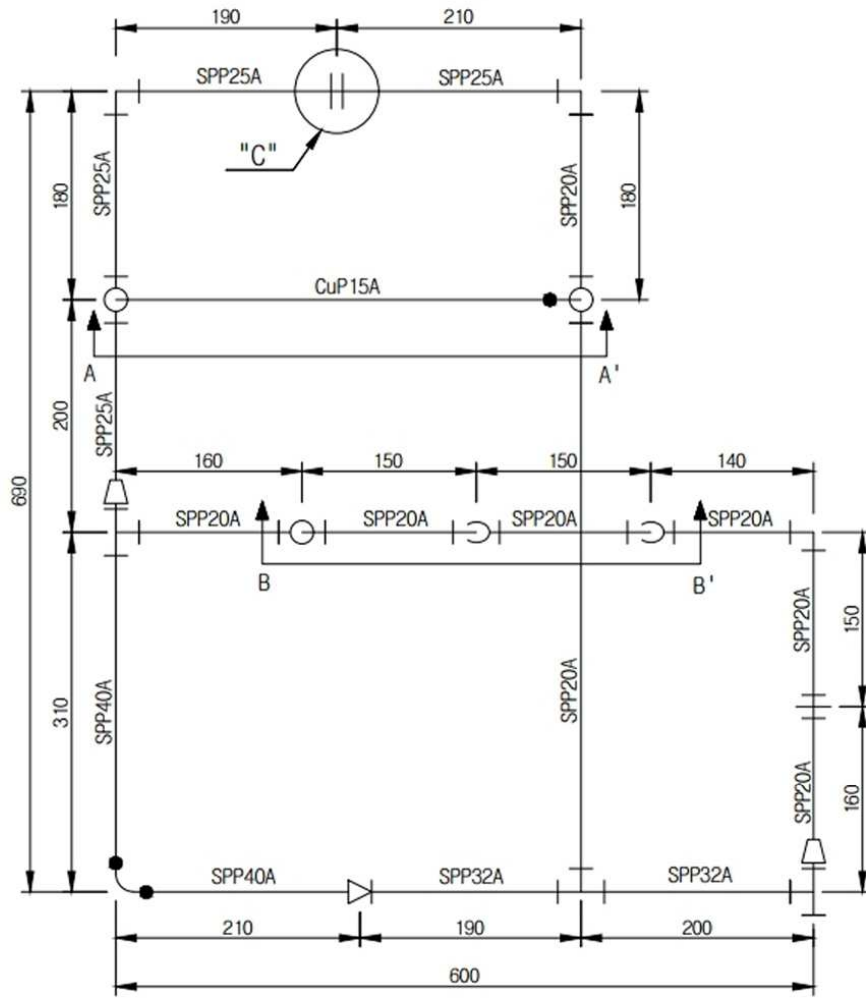


### 3. 도면



자격종목	에너지관리기능장	과제명	강관 및 동관 조립	척도	N.S
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**빨간이 계산란**

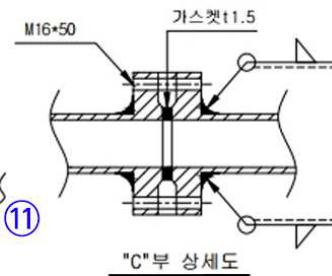
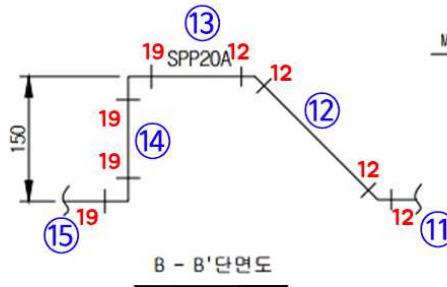
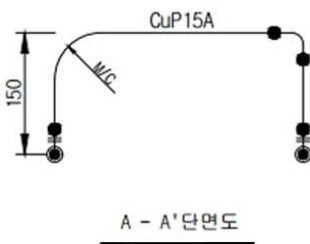
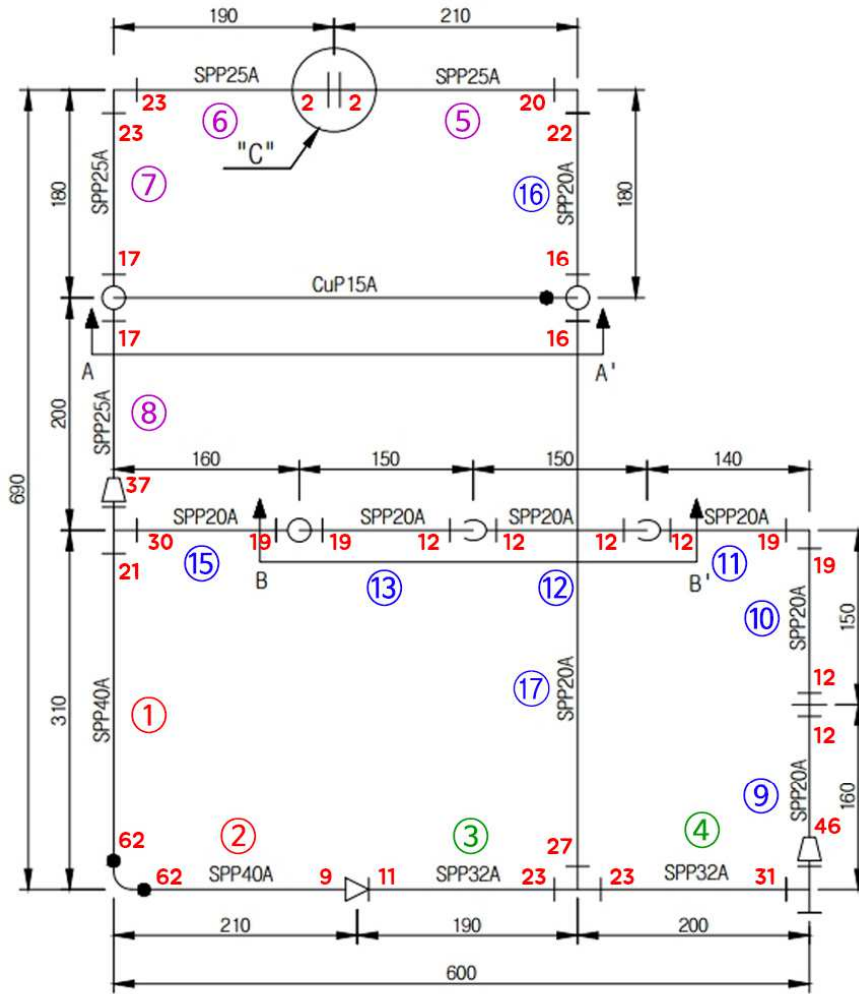
### 3. 도면

강의보기



2

자격종목	에너지관리기능장	과제명	강관 및 동관 조립	척도	N.S
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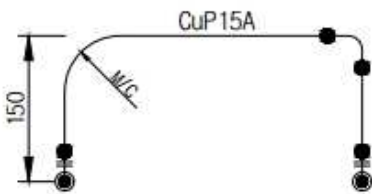
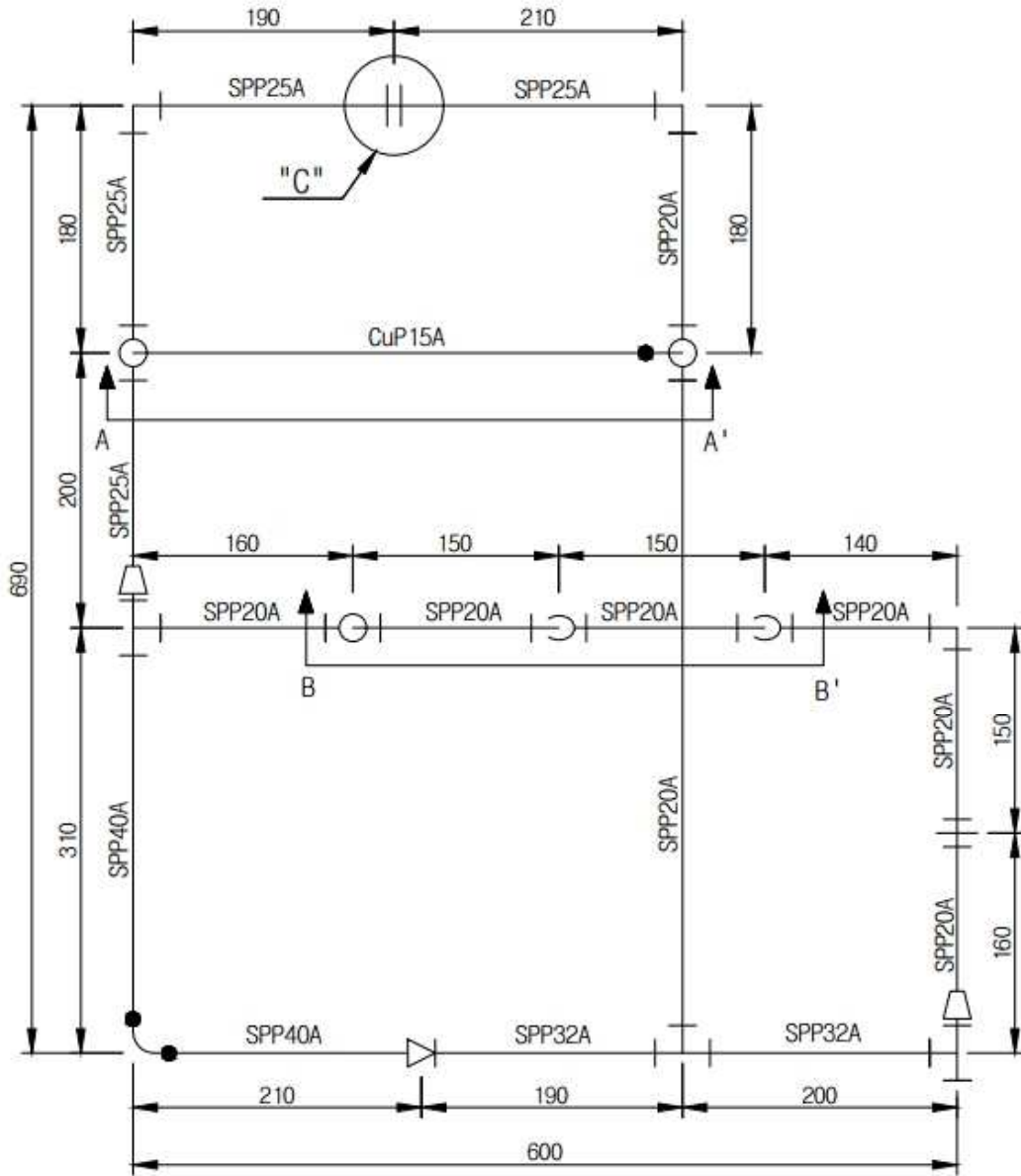


#### 백길이 계산란

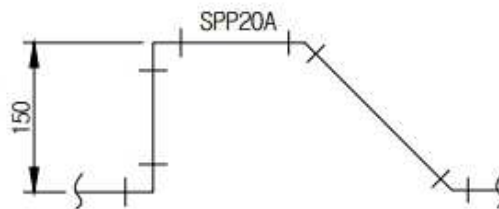
- |  |  |   |
|--|--|---|
| <p>40A</p> <p>① 310 - (62 + 21) = 227</p> <p>② 210 - (62 + 9) = 139</p>  | <p>25A</p> <p>⑤ 210 - (20 + 2) = 188</p> <p>⑥ 190 - (2 + 23) = 165</p> <p>⑦ 180 - (23 + 17) = 140</p> <p>⑧ 200 - (17 + 37) = 146</p> | <p>20A</p> <p>⑪ 140 - (19 + 12) = 109</p> <p>⑫ 212 - (12 + 12) = 188</p> <p>⑬ 150 - (12 + 19) = 119</p> <p>⑭ 150 - (19 + 19) = 112</p> <p>⑮ 160 - (19 + 30) = 111</p> <p>⑯ 180 - (22 + 16) = 142</p> <p>⑰ 510 - (16 + 27) = 467</p> |
| <p>32A</p> <p>③ 190 - (11 + 23) = 156</p> <p>④ 200 - (23 + 31) = 146</p> | <p>20A</p> <p>⑨ 160 - (46 + 12) = 102</p> <p>⑩ 150 - (12 + 19) = 119</p>   |   |

3. 도면

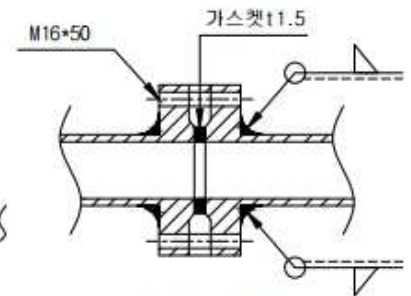
자 격 종 목	에 너 지 관 리 기 능 장	과 제 명	강관 및 동관 조립	척도	N.S
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A - A' 단면도



B - B' 단면도



"C"부 상세도