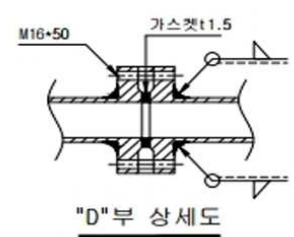
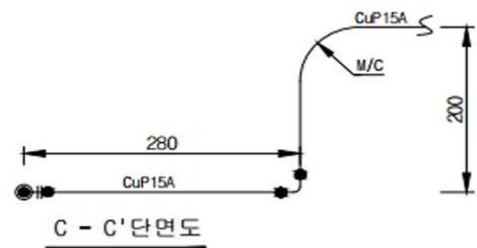
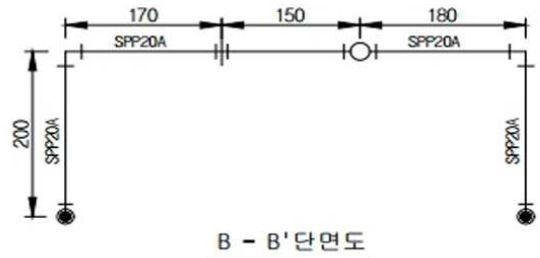
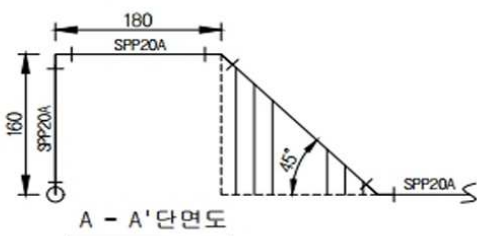
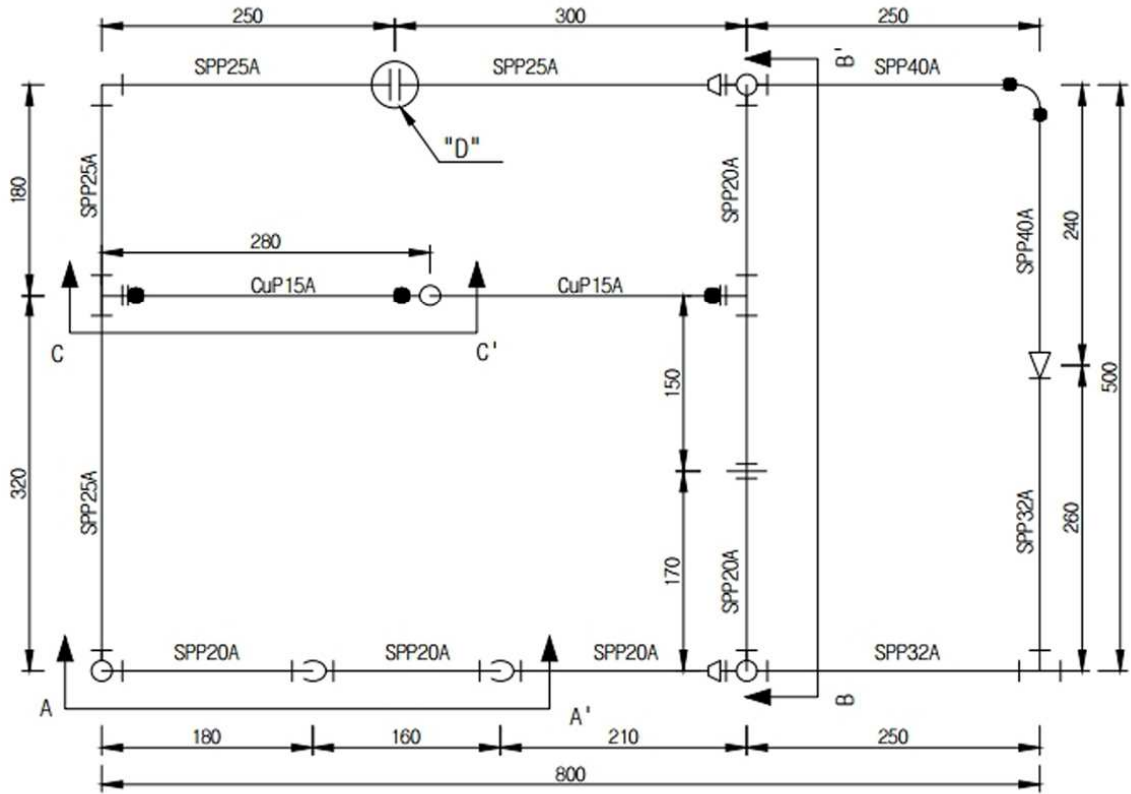


### 3. 도면



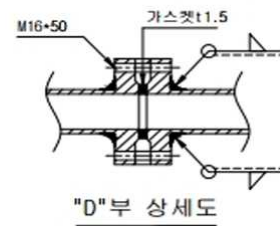
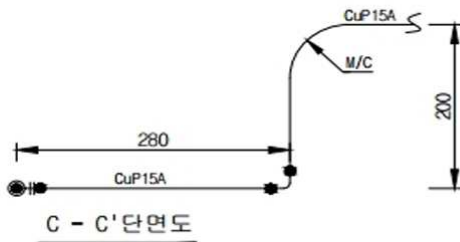
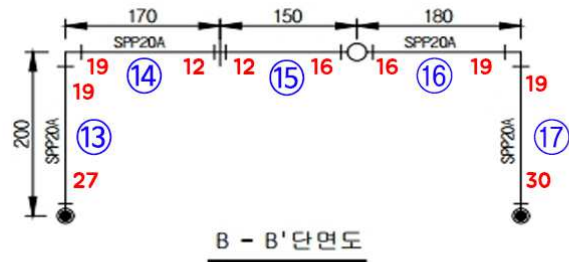
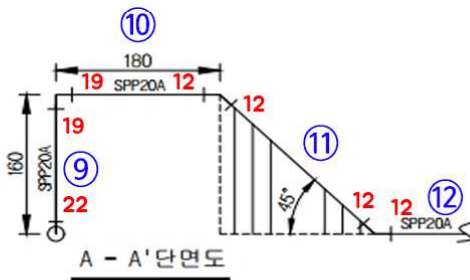
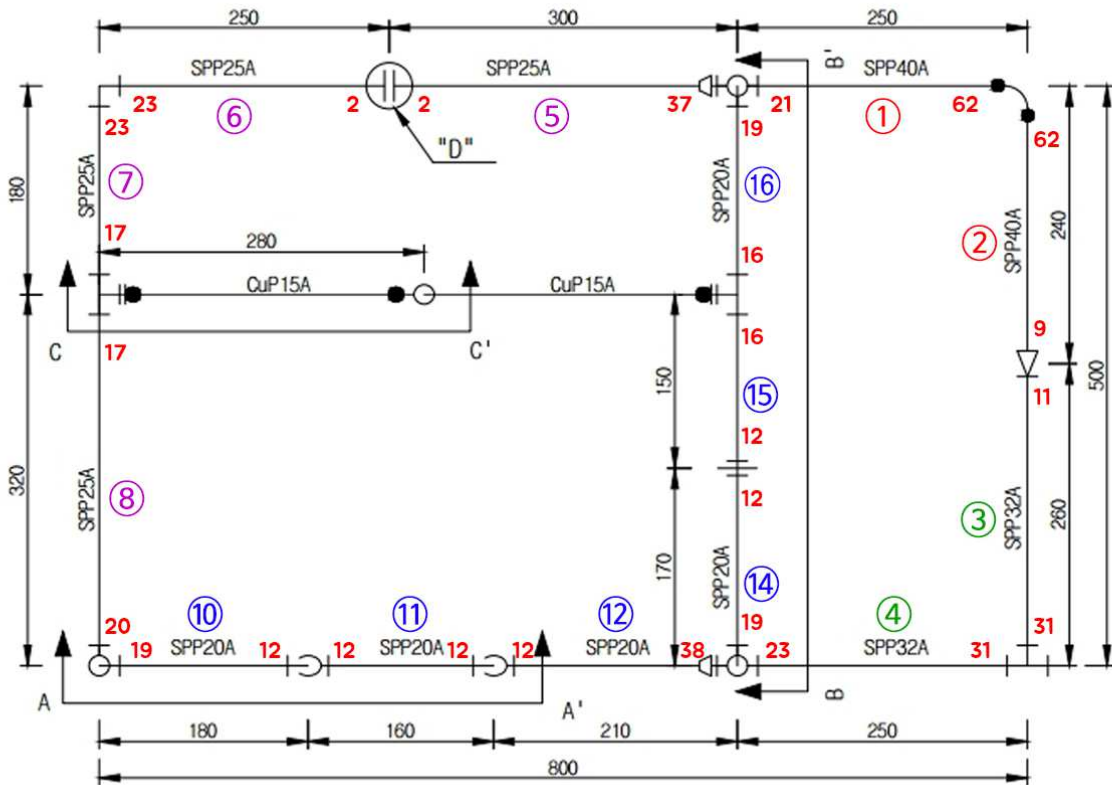
자격종목	에너지관리기능장	과제명	강관 및 동관 조립	척도	N.S
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### 빨간색이 계산란



자 격 종 류	에 너 지 관 리 기 능 장	과 제 명	강관 및 동관 조립	척도	N.S
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**백길이 계산란**

40A

①  $250 - (21 + 62) = 167$

②  $240 - (62 + 9) = 169$

32A

③  $260 - (11 + 31) = 218$

④  $250 - (31 + 23) = 196$

25A

⑤  $300 - (37 + 2) = 261$

⑥  $250 - (2 + 23) = 225$

⑦  $180 - (23 + 17) = 140$

⑧  $320 - (17 + 20) = 283$

20A

⑨  $160 - (22 + 19) = 119$

⑩  $180 - (19 + 12) = 149$

20A

⑪  $226 - (12 + 12) = 202$

⑫  $210 - (12 + 38) = 160$

⑬  $200 - (27 + 19) = 154$

⑭  $170 - (19 + 12) = 139$

⑮  $150 - (12 + 16) = 122$

⑯  $180 - (16 + 19) = 145$

⑰  $200 - (19 + 30) = 151$

### 3. 도면

자 격 종 류	에 너 지 관 리 기 능 장	과 제 명	강관 및 동관 조립	척도	N.S
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