

# 수 량 산 출 서(준공)

(가리봉 철도고가 보수공사 - 강서)

2019. 12.

## 총괄수량집계표

공사명 : 가리봉철도고가 보수공사-강서

공종	규격	단위	수량	비고
<b>1.보수공</b>				
강재도장(일반)	주간,일반	㎡	472.9	
강재도장(철도)	야간,철도	㎡	2,011.6	
바탕처리(일반)		㎡	472.9	
바탕처리(철도)		㎡	2,011.6	
단면복구(일반)	t=30mm	㎡	27.0	
단면복구(철도)	t=30mm	㎡	247.6	
물끊기공설치	야간	m	69.0	
신축이음장치 설치		m	100.0	
콘크리트 슬래브 보수	야간	m	100.0	
콘크리트 열화단면 제거	t=30mm, 주간	㎡	0.81	
콘크리트 열화단면 제거	t=30mm, 야간	㎡	7.42	
<b>2.부대공</b>				
공중비계 설치 및 해체(일반)	야간,일반	㎡	411.6	
공중비계 설치 및 해체(철도)	야간,철도	㎡	914.2	
합판	12x1220x2440mm	㎡	1,287.6	
강관비계(2m)	48.6x2.3mm	본	271.0	
강관비계(6m)	48.6x2.3mm	본	546.0	
클램프(자동)	48x48mm용	ea	936.0	
클램프(빔)		ea	1,147.0	
클램프(빔 단조)		ea	125.0	
연결핀		ea	325.0	
와이어로프	10mm	m	62.0	
와이어클립		ea	498.0	
방진막 설치(일반)	야간,일반	㎡	411.6	
방진막 설치(철도)	야간,철도	㎡	914.2	
공사용조명 설치 및 철거		m	448.5	
컨테이너사무실 설치 및 철거		개소	1	
컨테이너창고 설치 및 철거		개소	1	
공사안내현수막		ea	6	
공사안내간판		ea	10	
교통신호수	인원 및 장비	인	6	
싸인보드카		일	6	

## 총괄수량집계표

공사명 : 가리봉철도고가 보수공사-강서

공 종	규 격	단 위	수 량	비 고
라바콘		ea	142	
라바콘 점멸등		ea	71	
철도전기안전관리자		인	81	
철도운영안전관리자		인	81	
절연보호관 설치 및 해체		m	562	
열차감시원	2인/일	일	81	
선로작업표 및 작업알림판	철도구간	식	1	
임시전력 가설비		개소	1	
<b>3. 폐기물처리</b>				
페콘크리트	폐기물 운반	m³	38.23	
페콘크리트	폐기물 처리	ton	87.929	

# 수량산출서(보수공)

구분	산출근거	수량
1. 강재도장(철도)		

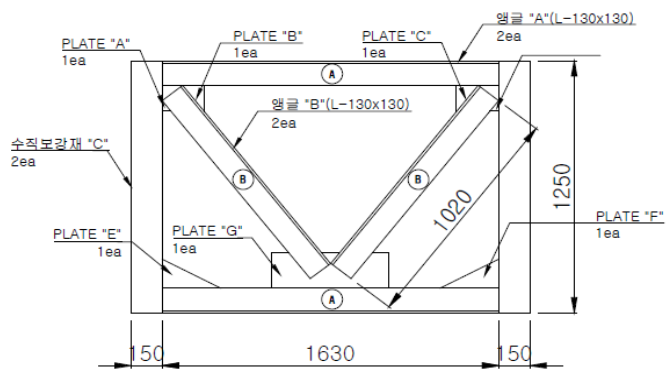
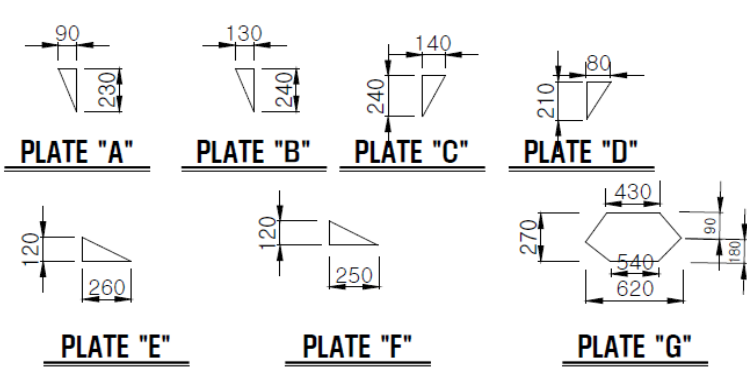
# 수량산출서(보수공)

구 분	산 출 근 거	수 량
1) S10구간 G1,G12	<p style="text-align: center;"><b>상세도 "G1", "G12"</b></p> <p>① I-BEAM</p> $\cdot ( 0.15 + 1.25 + 0.15 + 0.30 + 0.15 + 1.25 + 0.15 ) \times 34.50 = 117.30 \text{ m}^2$ <p>② 수직보강재 "A"</p> $\cdot \{ ( 0.13 \times 1.25 ) \times 2 \text{ 면} \} \times 27 \text{ ea} = 8.78 \text{ m}^2$ <p>③ 수직보강재 "B"</p> $\cdot \{ ( 0.13 \times 1.25 ) \times 2 \text{ 면} \} \times 9 \text{ ea} = 2.93 \text{ m}^2$ <p>· 소 계 : 117.30 + 8.78 + 2.93 = 129.01 m<sup>2</sup></p> <p>· 합 계 : 129.01 x 2 ea (G1, G12) = 258.02 m<sup>2</sup></p>	<p>117.30 m<sup>2</sup></p> <p>8.78 m<sup>2</sup></p> <p>2.93 m<sup>2</sup></p> <p>129.01 m<sup>2</sup></p> <p>258.02 m<sup>2</sup></p>

# 수량산출서(보수공)

구 분	산 출 근 거	수 량
2) S10구간 G2~G11	<p style="text-align: center;"><b>상세도 "G2"~"G11"</b></p> <p>① I-BEAM</p> $\begin{aligned} & \cdot ( 0.15 + 1.25 + 0.15 + 0.30 \\ & \quad + 0.15 + 1.25 + 0.15 ) \times 34.50 \\ & = 117.30 \text{ m}^2 \end{aligned}$ <p>② 수직보강재 "A"</p> $\begin{aligned} & \cdot \{ ( 0.13 \times 1.25 ) \times 2 \text{ 면} \} \\ & \quad \times 27 \text{ ea} = 8.78 \text{ m}^2 \end{aligned}$ <p>· 소 계 : 117.30 + 8.78 = 126.08 m<sup>2</sup></p> <p>· 합 계 : 126.08 x 10 ea (G2~G11) = 1,260.80 m<sup>2</sup></p>	<p>117.30 m<sup>2</sup></p> <p>8.78 m<sup>2</sup></p> <p>126.08 m<sup>2</sup></p> <p>1,260.80 m<sup>2</sup></p>

# 수량산출서(보수공)

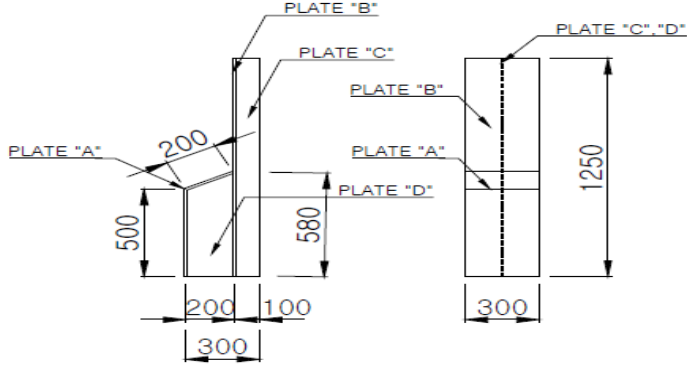
구분	산출근거	수량
<p>3) S10구간 가로보</p>	 <p style="text-align: center;"><b>입면도</b></p>  <p style="text-align: center;"><b>상세도 "가로보"</b></p> <p>① 수직보강재 "C"</p> $\cdot \left\{ \left( 0.15 \times 1.25 \right) \times 2 \text{ 면} \right\} \times 2 \text{ ea} = 0.75 \text{ m}^2$ <p>② 앵글 "A"</p> $\cdot \left\{ \left( 0.13 + 0.13 + 0.13 + 0.13 \right) \times 1.63 \right\} \times 2 \text{ ea} = 1.70 \text{ m}^2$ <p>③ 앵글 "B"</p> $\cdot \left\{ \left( 0.13 + 0.13 + 0.13 + 0.13 \right) \times 1.02 \right\} \times 2 \text{ ea} = 1.06 \text{ m}^2$ <p style="margin-left: 20px;">- ( 0.25 x 0.13 ) 공제1</p> <p style="margin-left: 20px;">- ( 0.25 x 0.13 ) 공제2</p> $= 0.99 \text{ m}^2$ <p>④ PLATE "A"</p> $\cdot \left\{ \left( \left( 0.09 \times 0.23 \right) / 2 \right) \times 2 \text{ 면} \right\} \times 1 \text{ ea} = 0.02 \text{ m}^2$	<p>0.75 m<sup>2</sup></p> <p>1.70 m<sup>2</sup></p> <p>0.99 m<sup>2</sup></p> <p>0.02 m<sup>2</sup></p>

## 수량산출서(보수공)

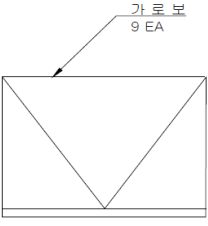
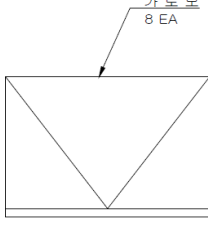
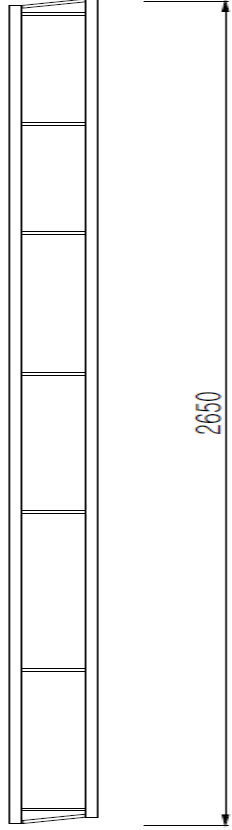
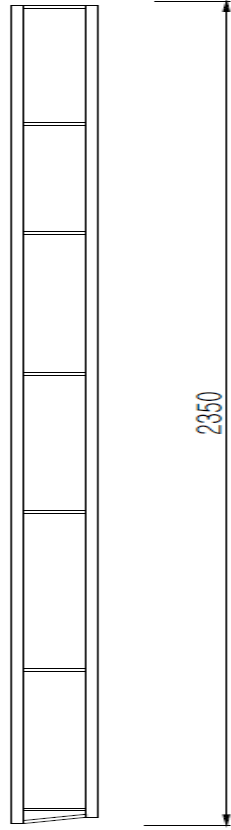
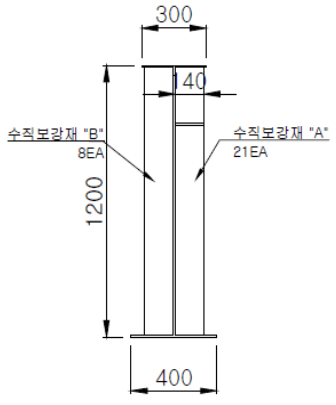
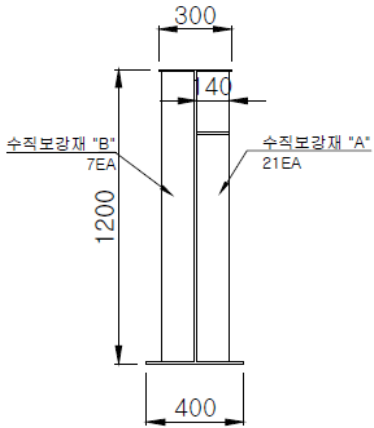
구분	산출근거	수량
	⑤ PLATE "B" $\cdot \left\{ \left( \frac{0.13 \times 0.24}{2} \right) \times 2 \text{면} \right\} \times 1 \text{ea} = 0.03 \text{ m}^2$	0.03 m <sup>2</sup>
	⑥ PLATE "C" $\cdot \left\{ \left( \frac{0.14 \times 0.24}{2} \right) \times 2 \text{면} \right\} \times 1 \text{ea} = 0.03 \text{ m}^2$	0.03 m <sup>2</sup>
	⑦ PLATE "D" $\cdot \left\{ \left( \frac{0.08 \times 0.21}{2} \right) \times 2 \text{면} \right\} \times 1 \text{ea} = 0.02 \text{ m}^2$	0.02 m <sup>2</sup>
	⑧ PLATE "E" $\cdot \left\{ \left( \frac{0.12 \times 0.26}{2} \right) \times 2 \text{면} \right\} \times 1 \text{ea} = 0.03 \text{ m}^2$	0.03 m <sup>2</sup>
	⑨ PLATE "F" $\cdot \left\{ \left( \frac{0.12 \times 0.25}{2} \right) \times 2 \text{면} \right\} \times 1 \text{ea} = 0.03 \text{ m}^2$	0.03 m <sup>2</sup>
	⑩ PLATE "G" $\cdot \left\{ \left( \frac{0.43 + 0.62}{2} \times 0.09 \right) + \left( \frac{0.62 + 0.54}{2} \times 0.18 \right) \right\} = 0.15 \text{ m}^2$	0.15 m <sup>2</sup>
	$\cdot \text{소계} : \begin{array}{r} 0.75 + 1.70 + 0.99 + 0.02 \\ + 0.03 + 0.03 + 0.02 \\ + 0.03 + 0.03 + 0.15 \\ = 3.75 \text{ m}^2 \end{array}$	3.75 m <sup>2</sup>
	$\cdot \text{합계} : 3.75 \times 121 \text{ea} = 453.75 \text{ m}^2$	453.75 m <sup>2</sup>



## 수량산출서(보수공)

구분	산출근거	수량
4) 보강재 "A"	 <p style="text-align: center;"><b>상세도 보강재 "A"</b></p> <p>① PLATE "A"  <math display="block">\cdot \left\{ \left( 0.20 + 0.50 \right) \times 0.30 \right\} \times 2 \text{ 면} = 0.42 \text{ m}^2</math></p> <p>② PLATE "B"  <math display="block">\cdot \left( 0.30 \times 1.25 \right) \times 2 \text{ 면} = 0.75 \text{ m}^2</math></p> <p>③ PLATE "C"  <math display="block">\cdot \left( 0.10 \times 1.25 \right) \times 2 \text{ 면} = 0.25 \text{ m}^2</math></p> <p>④ PLATE "D"  <math display="block">\cdot \left\{ \left( \frac{0.50 + 0.58}{2} \right) \times 0.2 \right\} \times 2 \text{ 면} = 0.21 \text{ m}^2</math></p> <p>· 소 계 : <math>0.42 + 0.75 + 0.25 + 0.21 = 1.63 \text{ m}^2</math></p> <p>· 합 계 : <math>1.63 \times 24 \text{ ea} = 39.12 \text{ m}^2</math></p> <p>- 강재도장(철도)  <math display="block">\cdot \text{총합계} : 258.02 + 1,260.80 + 453.75 + 39.12 = 2,011.69 \text{ m}^2</math></p>	<p>0.42 m<sup>2</sup></p> <p>0.75 m<sup>2</sup></p> <p>0.25 m<sup>2</sup></p> <p>0.21 m<sup>2</sup></p> <p>1.63 m<sup>2</sup></p> <p>39.12 m<sup>2</sup></p> <p>2,011.6 m<sup>2</sup></p>
2. 바탕처리(철도)	<p>- 강재도장(철도) 수량과 같음</p> <p>· 2,011.6 m<sup>2</sup></p>	<p>2,011.6 m<sup>2</sup></p>

# 수량산출서(보수공)

구분	산출근거	수량
<p>3. 강재도장 (일반+추가구간)</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>가로보 9 EA</p> </div> <div style="text-align: center;">  <p>가로보 8 EA</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;">  <p>2650</p> </div> <div style="text-align: center;">  <p>2350</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p><b>[일반,육교]</b></p> </div> <div style="text-align: center;"> <p><b>[추가구간]</b></p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;">  <p>300 1200 400 수직보강재 "B" 8EA 수직보강재 "A" 21EA</p> <p><b><u>상세도 "GIRDER"</u></b></p> <p><b>[일반,육교]</b></p> </div> <div style="text-align: center;">  <p>300 1200 400 수직보강재 "B" 7EA 수직보강재 "A" 21EA</p> <p><b><u>상세도 "GIRDER"</u></b></p> <p><b>[추가구간]</b></p> </div> </div>	

## 수량산출서(보수공)

구 분	산 출 근 거	수 량
<b>1) S11구간 GIRDER (일반+추가구간)</b>	<p>① I-BEAM</p> $\begin{aligned} & \cdot ( 0.30 + 1.20 + 0.40 + 0.40 \\ & \quad + 1.20 + 0.14 + 0.14 ) \times 49.00 \\ & - \{ ( 0.14 + 0.14 ) \times 2.1 \} \\ & - \{ ( 0.14 + 0.14 ) \times 1.83 \} \\ & = 184.12 \text{ m}^2 \end{aligned}$ <p>② 수직보강재 "A"</p> $\begin{aligned} & \cdot \{ ( 0.14 \times 1.20 ) \times 2 \text{ 면} \} \\ & \quad \times 42 \text{ ea} = 14.11 \text{ m}^2 \\ & \quad \text{(일반 21ea + 추가 21ea = 42ea)} \end{aligned}$ <p>③ 수직보강재 "B"</p> $\begin{aligned} & \cdot \{ ( 0.14 \times 1.20 ) \times 2 \text{ 면} \} \\ & \quad \times 15 \text{ ea} = 5.04 \text{ m}^2 \\ & \quad \text{(일반 8ea + 추가 7ea = 15ea)} \end{aligned}$ <p>· 소 계 : 184.11 + 14.11 + 5.04 = 203.26 m<sup>2</sup></p> <p>· 합 계 : 203.26 x 2 ea = 406.52 m<sup>2</sup></p>	<p>(일반+추가구간 수평보강재 공제)</p> <p style="text-align: right;"><b>184.11 m<sup>2</sup></b></p> <p style="text-align: right;"><b>14.11 m<sup>2</sup></b></p> <p style="text-align: right;"><b>5.04 m<sup>2</sup></b></p> <p style="text-align: right;"><b>203.26 m<sup>2</sup></b></p> <p style="text-align: right;"><b>406.52 m<sup>2</sup></b></p>
<b>2) S11구간 가로보 (일반+추가구간)</b>	<div style="text-align: center;"> <p style="text-align: center;"><b>상세도 "가로보"</b></p> </div> <p>① CHANNEL</p> $\begin{aligned} & \cdot \{ ( 0.09 + 0.25 + 0.09 ) \times 1.44 \} \\ & \quad \times 2 \text{ 면} = 1.24 \text{ m}^2 \end{aligned}$ <p>② 수직보강재 "C"</p> $\begin{aligned} & \cdot \{ ( 0.15 \times 1.20 ) \times 2 \text{ 면} \} \\ & \quad \times 2 \text{ ea} = 0.72 \text{ m}^2 \end{aligned}$	<p style="text-align: right;"><b>1.24 m<sup>2</sup></b></p> <p style="text-align: right;"><b>0.72 m<sup>2</sup></b></p>

## 수량산출서(보수공)

구 분	산 출 근 거	수 량
	<p>③ 앵글 "A"</p> <ul style="list-style-type: none"> <li>· <math>\{ ( 0.13 + 0.13 + 0.13 + 0.13 ) \times 1.12 \} \times 2 \text{ ea} = 1.16 \text{ m}^2</math></li> <li>- <math>( 0.21 \times 0.13 )</math> 공제1</li> <li>- <math>( 0.21 \times 0.13 )</math> 공제2</li> <li>- <math>( 0.12 \times 0.13 )</math> 공제3</li> <li>- <math>( 0.12 \times 0.13 )</math> 공제4</li> <li style="text-align: right;"><math>= 1.07 \text{ m}^2</math></li> </ul>	1.07 m <sup>2</sup>
	<p>④ 앵글 "B"</p> <ul style="list-style-type: none"> <li>· <math>( 0.13 + 0.13 + 0.13 + 0.13 ) \times 1.44 = 0.75 \text{ m}^2</math></li> </ul>	0.75 m <sup>2</sup>
	<p>⑤ PLATE</p> <ul style="list-style-type: none"> <li>· <math>\{ ( 0.25 + 0.45 ) / 2 \times 0.07 + ( 0.45 \times 0.09 ) \} \times 2 \text{ 면}</math></li> <li style="text-align: right;"><math>= 0.13 \text{ m}^2</math></li> </ul>	0.13 m <sup>2</sup>
	<ul style="list-style-type: none"> <li>· 소 계 : <math>1.24 + 0.72 + 1.07 + 0.75 + 0.13 = 3.91 \text{ m}^2</math></li> </ul>	3.91 m <sup>2</sup>
	<ul style="list-style-type: none"> <li>· 합 계 : <math>3.91 \times 17 \text{ ea} = 66.47 \text{ m}^2</math> (일반 9ea + 추가 8ea = 17ea)</li> </ul>	66.47 m <sup>2</sup>
	<ul style="list-style-type: none"> <li>· 총 합 계 : <math>406.52 + 66.47 = 472.99 \text{ m}^2</math></li> </ul>	472.9 m <sup>2</sup>
4. 바탕처리 (일반+추가구간)	<ul style="list-style-type: none"> <li>- 강재도장(일반+추가구간) 수량과 같음</li> <li>· 472.9 m<sup>2</sup></li> </ul>	472.9 m <sup>2</sup>

## 수량산출서(보수공)

구분	산출근거	수량
<b>5. 단면복구 (일반)</b>	<p><b>- T=30mm</b> ※도면 2,3,4 참고</p> <p>P7 조인트 주변 단면복구</p> <ul style="list-style-type: none"> <li>· <math>( 1.9 + 2.4 ) \div 2 \times 0.45</math></li> <li>· <math>\times 1EA \times 14EA = 13.54</math></li> <li>· 소 계 : 13.54</li> </ul> <p>P8 조인트 주변 단면복구</p> <ul style="list-style-type: none"> <li>· <math>( 1.9 + 2.4 ) \div 2 \times 0.45</math></li> <li>· <math>\times 1EA \times 14EA = 13.54</math></li> <li>· 소 계 : 13.54</li> </ul> <ul style="list-style-type: none"> <li>· 합 계 : 13.54 + 13.54 = 27.08</li> </ul>	<b>27.0 m<sup>2</sup></b>
<b>6. 단면복구 (철도)</b>	<p><b>- T=30mm</b> ※도면 9-1 참고</p> <p>바닥판 하면 S10</p> <ul style="list-style-type: none"> <li>· 34.50 × 1.55 = 53.48</li> <li>· 34.50 × 1.55 = 53.48</li> <li>· 34.50 × 1.55 = 53.48</li> <li>· 34.50 × 1.20 = 41.40</li> <li>· 34.50 × 0.90 = 31.05</li> <li>· <math>( 0.15 \times 0.15 ) \times 4</math> 개소</li> <li>· <math>( 0.2 \times 0.3 ) \times 2</math> 개소</li> <li style="padding-left: 100px;">= 30.84</li> <li>· 1.5 × 1.55 = 2.33</li> <li>· 1.0 × 1.0 = 1.00</li> <li>· 1.00 × 1.55 = 1.55</li> <li>· 12.00 × 0.80 = 9.60</li> <li>· 0.70 × 0.70 = 0.49</li> <li>· 합 계 : 247.65</li> </ul>	<b>247.6 m<sup>2</sup></b>
<b>7. 물끊기공설치</b>	<ul style="list-style-type: none"> <li>· 34.50 (연장) × 2 개소 = 69.00 m</li> </ul>	<b>69.0 m</b>

## 수량산출서(보수공)

구 분	산 출 근 거	수 량
8. 신축이음장치 설치	바닥판 상면 S7 · 24.5 바닥판 상면 S8 · 23.5 바닥판 상면 S10 · 24.5 바닥판 상면 S12 · 27.5 · 합 계 : 100.0	100.0 m
9. 콘크리트 슬래브 보수	- 신축이음장치 설치 수량과 같음 · 100.0	100.0 m
10. 콘크리트 열화단면 제거	- T=30mm, 주간 · 27.0 m <sup>2</sup> x 0.03 = 0.81 m <sup>3</sup> - T=30mm, 야간 · 247.6 m <sup>2</sup> x 0.03 = 7.42 m <sup>3</sup>	0.81 m <sup>3</sup> 7.42 m <sup>3</sup>



## 수량산출서(부대공)

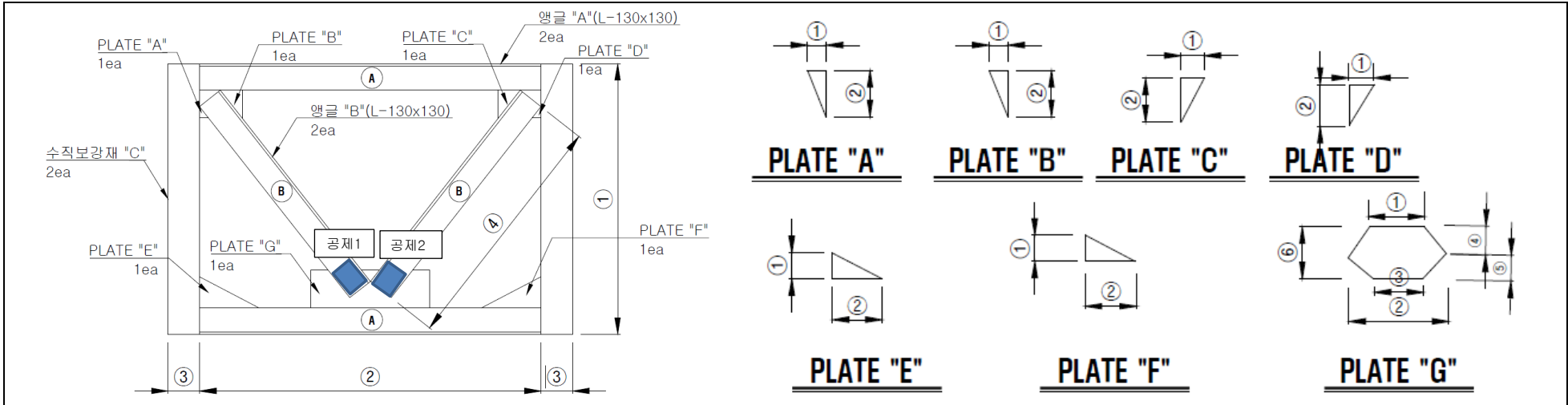
구 분	산 출 근 거	수 량
6. 방진막 설치 (철도)	· ( 1.25 + 24.00 + 1.25 ) x 34.50 = 914.25 m <sup>2</sup>	914.2 m <sup>2</sup>
7. 공사용 조명설치 및 철거	· 34.5 x 13EA = 448.5 m	448.5 m
8. 컨테이너사무실 설치 및 철거		1 개소
9. 컨테이너창고 설치 및 철거		1 개소
10.공사안내현수막		6 ea
11.공사안내간판		10 ea
12.교통신호수	· 실작업 일수 정산 = 6 인	6 인
13.싸인보드카	· 실작업 일수 정산 = 6 일	6 일
14.라바콘	· = 142.0 ea	142 ea
15.라바콘 점멸등	· = 71.0 ea	71 ea
16.철도전기안전 관리자	· 실작업 일수 정산 = 81 인	81 인
17.철도운영안전 관리자	- 철도전기안전관리자와 동일 · 실작업 일수 정산 = 81 인	81 인
18.절연방호관 설치 및 해체	- 총 13선 · 하2선(급전선, 보호선, 조가선) ( 6 m + 32 m + 6 m ) × 3 개소 = 132 m · 하1선(급전선, 보호선, 조가선) ( 6 m + 32 m + 6 m ) × 3 개소 = 132 m · 상1선(급전선, 보호선, 조가선) ( 6 m + 32 m + 6 m ) × 3 개소 = 132 m · 상2선(급전선, 보호선, 조가선, 장력선) ( 6 m + 32 m + 6 m ) × 3 개소 + ( 32 m + 2 m ) = 166 m · 합 계 : 562 m	562 m





# 수량산출 기초자료(강재도장, 철도구간)

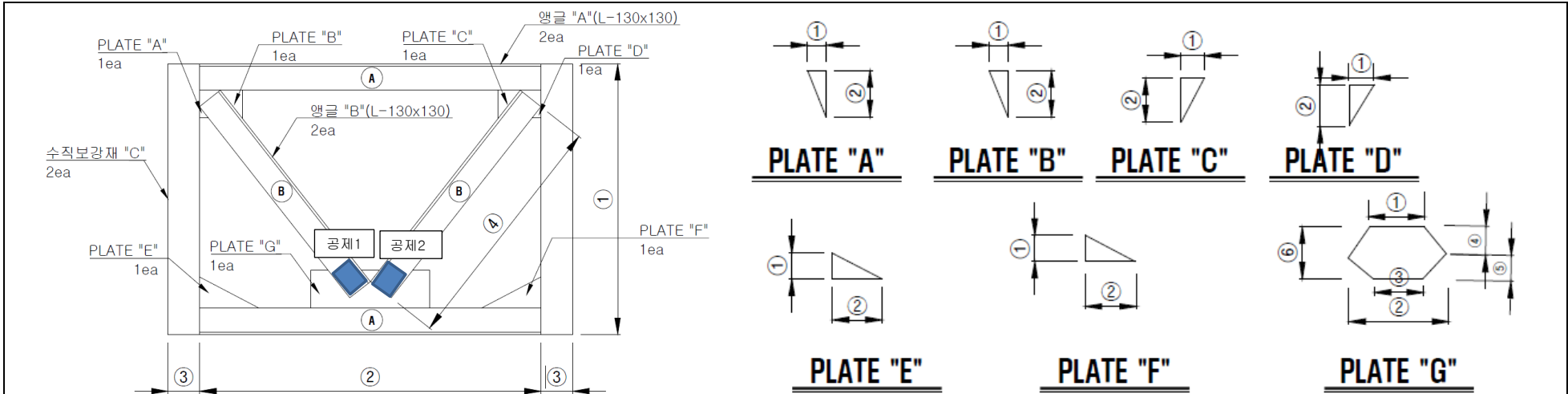
(단위 : mm)



	①	②	③	④	공제①	공제②	PLATE "A"		PLATE "B"		PLATE "C"		PLATE "D"		PLATE "E"		PLATE "F"		PLATE "G"				
							①	②	①	②	①	②	①	②	①	②	①	②	①	②	①	②	③
G1-G2.1	1250	2100	150	1110	230	300	100	190	120	120	130	140	120	200	110	240	100	230	580	750	650	100	160
G1-G2.2	1250	1540	150	1000	300	300	90	200	150	260	190	220	80	230	120	260	150	250	400	600	520	100	180
G1-G2.3	1250	1530	150	1000	230	240	90	210	150	250	180	210	70	220	110	250	140	240	400	600	520	100	180
G1-G2.4	1250	1540	150	1000	270	270	100	200	140	240	190	230	80	240	120	260	150	250	400	600	520	100	180
G1-G2.5	1250	1530	150	1000	240	260	90	200	130	230	190	230	90	230	130	270	140	260	400	600	520	100	180
G1-G2.6	1250	1540	150	1000	260	250	110	220	150	260	140	220	90	240	140	260	150	250	400	600	520	100	180
G1-G2.7	1250	1530	150	1000	250	230	120	230	130	230	140	250	80	230	130	250	140	270	400	600	520	100	180
G1-G2.8	1250	1530	150	1000	290	300	100	230	150	240	150	260	90	250	140	250	130	280	400	600	520	100	180
G1-G2.9	1250	1530	150	1000	250	250	80	210	130	230	130	240	70	220	120	260	120	270	400	600	520	100	180
G1-G2.10	1250	1530	150	1000	280	270	70	220	130	230	140	250	80	230	130	270	130	280	400	600	530	100	180
G1-G2.11	1250	2140	150	1170	280	250	150	270	100	230	100	220	120	250	120	250	100	200	580	750	660	100	170
G2-G3.1	1250	2100	150	1150	250	290	110	280	90	180	90	240	130	260	120	270	120	270	600	750	650	100	160
G2-G3.2	1250	1530	150	1000	300	250	80	220	130	220	130	230	80	240	130	260	120	250	400	600	520	100	180
G2-G3.3	1250	1530	150	1000	280	240	80	210	120	210	120	220	70	230	120	250	110	240	400	600	520	100	180
G2-G3.4	1250	1530	150	1000	270	230	90	230	130	240	140	240	90	190	130	260	120	260	400	600	520	100	180
G2-G3.5	1250	1540	150	1000	250	260	110	240	140	230	150	230	90	200	140	270	130	250	400	600	520	100	180
G2-G3.6	1250	1530	150	1000	280	270	100	220	150	240	130	230	80	170	150	260	120	270	400	600	520	100	180
G2-G3.7	1250	1540	150	1000	280	240	90	230	140	230	150	240	90	180	130	280	130	250	400	600	520	100	180
G2-G3.8	1250	1540	150	1000	280	250	100	210	150	250	140	250	80	180	130	270	110	260	400	600	520	100	180
G2-G3.9	1250	1530	150	1000	250	290	80	220	130	240	130	240	70	170	120	260	90	260	400	600	520	100	180
G2-G3.10	1250	1540	150	1000	280	240	80	230	140	250	140	250	70	180	130	270	100	270	400	600	540	100	170
G2-G3.11	1250	2080	150	1150	320	220	100	250	100	190	130	230	70	230	110	240	120	250	600	750	650	100	170

# 수량산출 기초자료(강재도장, 철도구간)

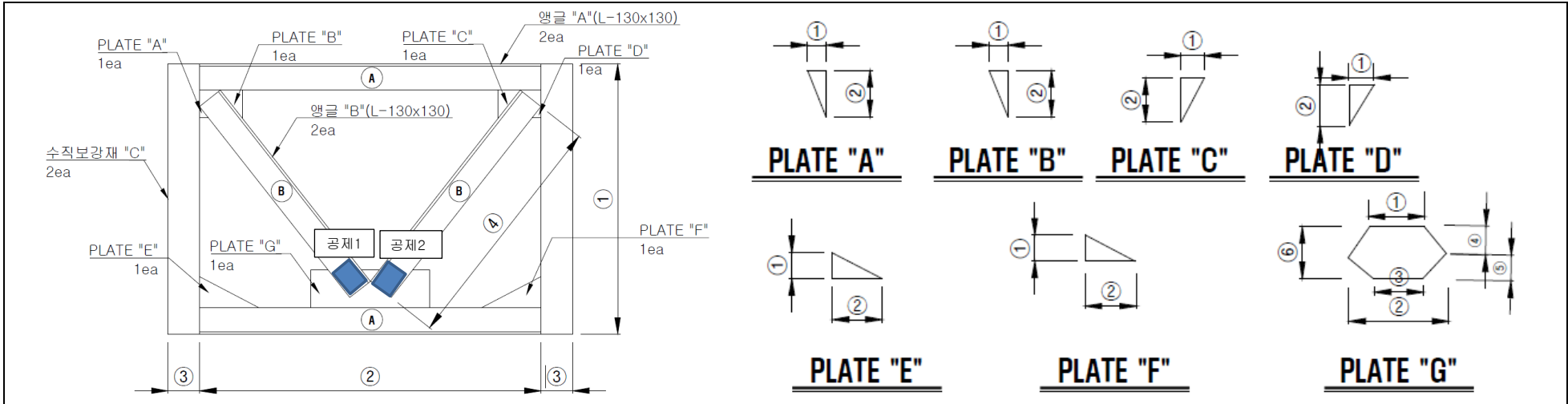
(단위 : mm)



	①	②	③	④	공제①	공제②	PLATE "A"		PLATE "B"		PLATE "C"		PLATE "D"		PLATE "E"		PLATE "F"		PLATE "G"				
							①	②	①	②	①	②	①	②	①	②	①	②	①	②	③	④	⑤
G3-G4.1	1250	2000	150	1150	250	300	110	280	110	210	100	200	110	280	90	240	120	220	600	750	650	100	160
G3-G4.2	1250	1540	150	1000	290	300	70	230	140	240	150	280	70	200	120	270	120	260	400	600	520	100	180
G3-G4.3	1250	1530	150	1000	290	270	80	220	130	230	140	270	60	190	110	260	110	250	400	600	520	100	180
G3-G4.4	1250	1540	150	1000	250	240	100	230	150	250	150	290	70	200	120	280	120	250	400	600	520	100	180
G3-G4.5	1250	1540	150	1000	290	280	120	240	140	230	140	280	80	200	120	270	130	250	400	600	520	100	180
G3-G4.6	1250	1530	150	1000	260	280	90	250	130	240	160	300	90	220	130	260	140	260	400	600	520	100	180
G3-G4.7	1250	1540	150	1000	280	240	110	230	140	250	150	290	70	210	120	280	150	240	400	600	520	100	180
G3-G4.8	1250	1540	150	1000	280	240	100	250	140	230	160	280	90	230	130	270	130	250	400	600	520	100	180
G3-G4.9	1250	1530	150	1000	290	270	90	230	130	230	140	270	70	210	110	260	130	230	400	600	520	100	180
G3-G4.10	1250	1540	150	1000	310	220	90	240	140	240	150	280	80	220	120	270	140	240	400	600	520	100	180
G3-G4.11	1250	2000	150	1110	240	280	100	260	110	190	90	180	100	250	120	220	130	250	600	750	660	100	160
G4-G5.1	1250	2050	150	1150	250	280	110	280	100	200	100	200	120	280	110	250	120	230	600	750	650	100	160
G4-G5.2	1250	1540	150	1000	280	270	70	220	140	240	160	300	70	220	120	280	140	260	400	600	520	100	180
G4-G5.3	1250	1540	150	1000	250	280	80	210	130	230	150	290	80	210	110	270	130	250	400	600	520	100	180
G4-G5.4	1250	1540	150	1000	260	250	100	220	140	250	160	280	90	230	120	270	150	250	400	600	520	100	180
G4-G5.5	1250	1530	150	1000	280	240	90	230	140	240	160	300	90	220	130	280	140	260	400	600	520	100	180
G4-G5.6	1250	1540	150	1000	240	260	80	240	130	240	170	290	100	240	140	270	130	260	400	600	520	100	180
G4-G5.7	1250	1530	150	1000	280	230	100	230	140	250	150	300	90	230	140	270	150	250	400	600	520	100	180
G4-G5.8	1250	1540	150	1000	270	260	90	230	150	240	150	290	70	220	130	280	140	260	400	600	520	100	180
G4-G5.9	1250	1540	150	1000	280	280	90	220	130	240	140	290	60	210	120	260	130	240	400	600	520	100	180
G4-G5.10	1250	1540	150	1000	300	220	80	230	140	250	150	300	60	200	130	270	140	250	400	600	520	100	180
G4-G5.11	1250	2060	150	1130	240	240	120	300	100	220	100	210	100	300	120	240	100	230	590	750	650	100	160

# 수량산출 기초자료(강재도장, 철도구간)

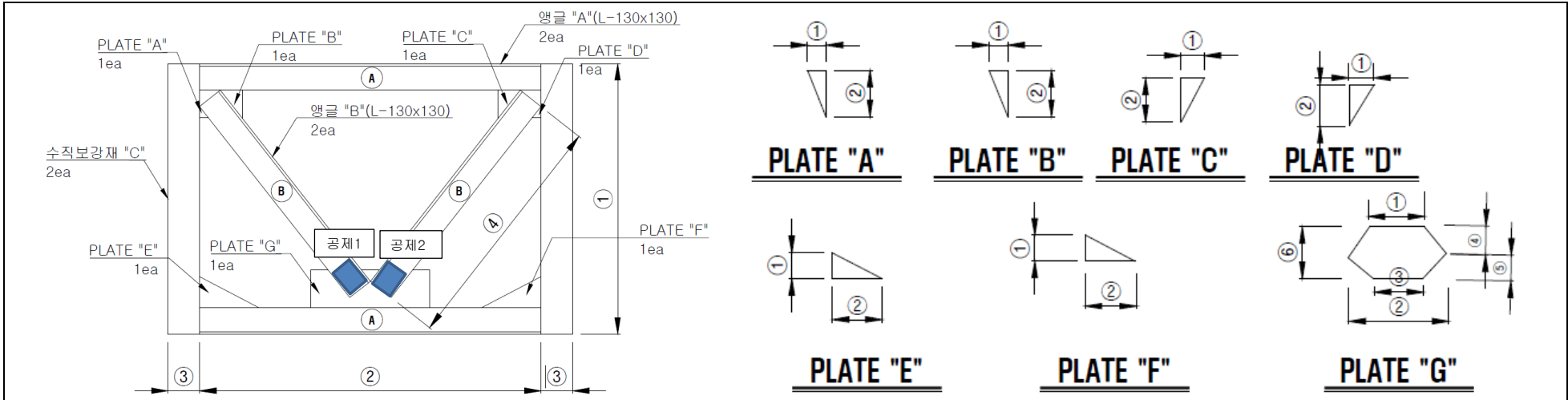
(단위 : mm)



	①	②	③	④	공제①	공제②	PLATE "A"		PLATE "B"		PLATE "C"		PLATE "D"		PLATE "E"		PLATE "F"		PLATE "G"				
							①	②	①	②	①	②	①	②	①	②	①	②	①	②	③	④	⑤
G5-G6.1	1250	2080	150	1160	120	300	90	190	110	200	110	200	110	270	110	260	110	250	580	750	650	100	160
G5-G6.2	1250	1530	150	1000	280	320	80	230	140	230	140	220	80	230	120	270	120	260	400	600	520	100	180
G5-G6.3	1250	1530	150	1000	290	290	80	220	130	220	130	210	80	220	110	260	110	250	400	600	520	100	180
G5-G6.4	1250	1540	150	1000	220	260	100	220	130	230	150	220	90	200	120	280	130	250	400	600	520	100	180
G5-G6.5	1250	1530	150	1000	250	260	80	250	140	220	140	230	100	180	130	270	120	260	400	600	520	100	180
G5-G6.6	1250	1530	150	1000	230	230	110	230	140	260	180	270	90	210	120	270	110	270	400	600	520	100	180
G5-G6.7	1250	1530	150	1000	260	280	90	240	150	250	170	260	80	170	130	280	130	280	400	600	520	100	180
G5-G6.8	1250	1540	150	1000	240	270	100	230	140	230	180	300	60	150	150	270	130	260	400	600	520	100	180
G5-G6.9	1250	1540	150	1000	250	240	90	210	120	240	160	290	50	140	140	260	110	270	400	600	520	100	180
G5-G6.10	1250	1530	150	980	230	230	80	220	130	250	170	300	50	130	150	270	120	280	400	600	520	100	180
G5-G6.11	1250	2070	150	1130	250	250	110	310	100	220	100	210	100	230	110	220	90	250	580	750	650	100	170
G6-G7.1	1250	2020	150	1160	250	230	120	300	90	180	100	200	130	290	120	250	120	220	580	750	650	100	160
G6-G7.2	1250	1530	150	1000	270	300	80	240	130	250	160	300	70	200	140	280	120	250	400	600	520	100	180
G6-G7.3	1250	1530	150	1000	240	270	80	230	120	240	150	290	70	190	130	270	110	240	400	600	520	100	180
G6-G7.4	1250	1530	150	1000	240	260	100	230	130	260	160	300	80	210	140	280	130	250	400	600	520	100	180
G6-G7.5	1250	1540	150	1000	270	250	90	220	130	260	180	290	90	200	130	270	120	260	400	600	520	100	180
G6-G7.6	1250	1530	150	1000	260	270	100	230	150	280	170	300	80	220	140	270	140	250	400	600	520	100	180
G6-G7.7	1250	1530	150	1000	230	260	80	240	140	270	160	310	80	200	150	260	130	260	400	600	520	100	180
G6-G7.8	1250	1540	150	1000	240	290	90	220	150	290	170	300	80	210	140	270	120	270	400	600	520	100	180
G6-G7.9	1250	1540	150	1000	260	280	80	200	140	290	150	290	70	190	130	260	110	260	400	600	520	100	180
G6-G7.10	1250	1530	150	1000	230	280	80	200	150	300	160	300	70	200	140	270	120	270	400	600	520	100	180
G6-G7.11	1250	2000	150	1070	230	270	100	270	120	200	100	200	90	200	120	270	110	220	600	750	650	100	160

# 수량산출 기초자료(강재도장, 철도구간)

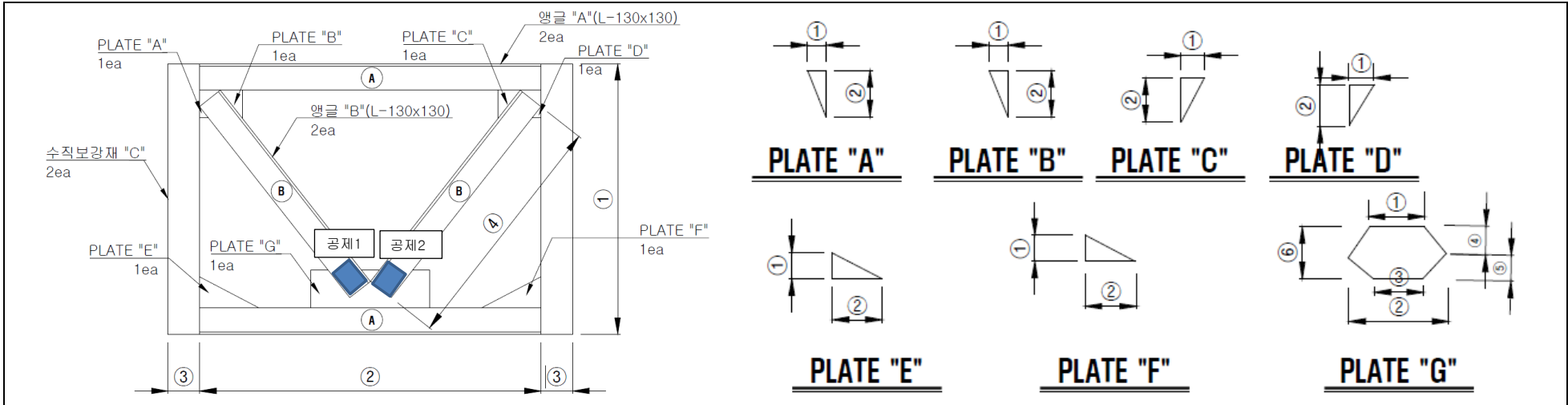
(단위 : mm)



	①	②	③	④	공제①	공제②	PLATE "A"		PLATE "B"		PLATE "C"		PLATE "D"		PLATE "E"		PLATE "F"		PLATE "G"				
							①	②	①	②	①	②	①	②	①	②	①	②	①	②	③	④	⑤
G7-G8.1	1250	2080	150	1170	260	280	120	300	100	200	100	180	110	230	110	270	120	260	600	750	650	100	160
G7-G8.2	1250	1540	150	1000	280	280	80	260	140	240	140	250	80	230	140	260	120	270	400	600	520	100	180
G7-G8.3	1250	1530	150	1000	240	280	80	250	130	230	130	240	80	220	130	250	110	260	400	600	520	100	180
G7-G8.4	1250	1540	150	980	240	260	90	240	140	250	140	250	90	240	140	260	130	250	400	600	520	100	180
G7-G8.5	1250	1540	150	1000	230	270	100	250	160	260	160	240	100	250	150	270	130	270	400	600	520	90	190
G7-G8.6	1250	1540	150	1000	270	260	90	240	170	290	150	260	80	230	140	270	140	250	400	600	520	90	190
G7-G8.7	1250	1530	150	1000	240	230	90	230	180	300	140	250	90	250	150	260	130	270	400	600	520	100	180
G7-G8.8	1250	1540	150	980	260	270	100	240	170	280	130	240	80	260	150	270	140	260	400	600	520	100	180
G7-G8.9	1250	1540	150	1000	240	250	80	190	160	290	120	230	70	250	140	260	120	250	400	600	520	100	180
G7-G8.10	1250	1530	150	980	260	230	80	200	170	300	130	240	80	260	150	270	130	260	400	600	520	100	180
G7-G8.11	1250	2040	150	1070	250	270	100	300	110	230	90	220	100	300	110	250	110	250	580	750	650	100	160
G8-G9.1	1250	2050	150	1170	310	300	120	300	100	290	110	200	110	270	110	250	120	230	590	750	660	90	170
G8-G9.2	1250	1530	150	980	280	230	80	240	130	230	140	240	90	210	140	260	120	260	400	600	530	70	200
G8-G9.3	1250	1530	150	990	230	270	80	230	120	220	130	230	80	200	130	250	110	250	400	600	530	70	200
G8-G9.4	1250	1530	150	1000	250	260	90	240	140	230	140	250	90	220	140	260	130	240	400	600	530	70	200
G8-G9.5	1250	1530	150	1000	220	270	100	190	130	240	140	240	90	210	130	270	140	250	400	600	530	70	200
G8-G9.6	1250	1530	150	1000	240	230	90	240	150	230	150	230	90	230	140	250	130	260	400	600	530	70	200
G8-G9.7	1250	1530	150	1000	260	260	90	250	140	220	140	240	80	220	150	260	140	250	400	600	530	70	200
G8-G9.8	1250	1530	150	980	250	250	90	250	130	210	140	250	80	230	140	270	130	260	400	600	530	70	200
G8-G9.9	1250	1530	150	990	270	280	80	230	120	200	130	240	70	210	130	260	120	250	400	600	530	70	200
G8-G9.10	1250	1530	150	990	280	220	80	240	130	210	140	250	80	220	140	270	130	260	400	600	530	70	200
G8-G9.11	1250	2040	150	1150	270	270	80	250	120	250	90	200	110	300	110	230	100	230	590	750	660	90	170

# 수량산출 기초자료(강재도장, 철도구간)

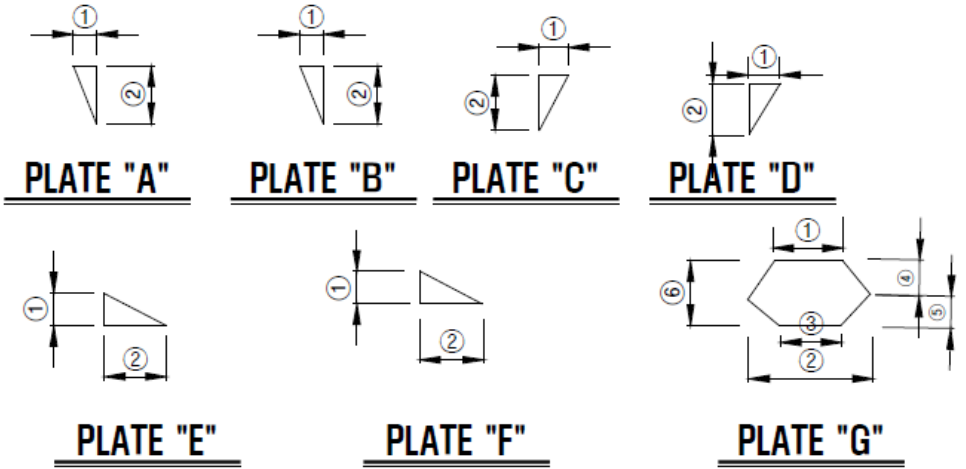
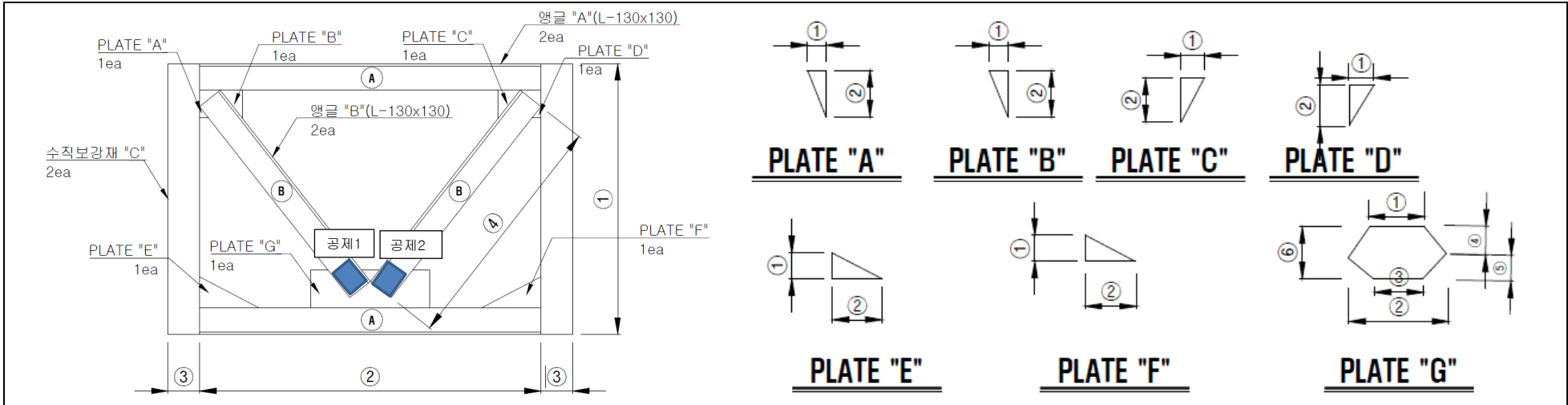
(단위 : mm)



	① ② ③ ④				공제①	공제②	PLATE "A"		PLATE "B"		PLATE "C"		PLATE "D"		PLATE "E"		PLATE "F"		PLATE "G"				
	①	②	③	④			①	②	①	②	①	②	①	②	①	②	①	②	①	②	③	④	⑤
G9-G10.1	1250	2100	150	1170	260	250	90	260	130	270	120	230	100	210	130	280	130	260	590	750	660	90	170
G9-G10.2	1250	1540	150	1020	270	230	80	230	140	240	150	240	80	230	120	260	130	270	400	600	520	80	200
G9-G10.3	1250	1530	150	1000	260	280	80	230	130	230	140	230	70	220	110	250	120	260	400	600	520	80	200
G9-G10.4	1250	1540	150	1000	250	250	90	240	150	240	150	240	80	240	130	260	140	270	400	600	520	80	200
G9-G10.5	1250	1540	150	1000	240	270	90	220	140	260	140	250	90	230	120	270	130	260	400	600	520	80	190
G9-G10.6	1250	1530	150	1000	250	230	80	240	150	250	150	240	90	210	130	260	120	270	400	600	520	90	200
G9-G10.7	1250	1540	150	1000	230	240	90	190	140	230	160	250	80	200	120	240	140	260	400	600	520	80	200
G9-G10.8	1250	1530	150	1000	240	250	90	230	160	240	150	240	80	180	130	250	130	250	400	600	520	80	190
G9-G10.9	1250	1530	150	1000	260	270	80	240	130	230	140	230	50	160	110	240	120	240	400	600	520	80	200
G9-G10.10	1250	1530	150	980	280	250	80	240	140	240	150	240	50	150	120	250	130	250	400	600	530	80	190
G9-G10.11	1250	2100	150	1180	270	210	80	200	130	210	120	220	80	210	120	240	140	270	590	750	660	110	150
G10-G11.1	1250	2070	150	1170	280	260	60	210	130	230	120	210	70	170	120	250	130	230	580	750	650	100	160
G10-G11.2	1250	1540	150	1000	250	280	80	200	150	280	140	260	70	200	130	260	130	280	400	600	520	100	180
G10-G11.3	1250	1530	150	1000	260	280	70	190	140	270	140	250	60	190	120	250	120	270	400	600	520	100	180
G10-G11.4	1250	1530	150	1000	240	240	80	210	150	290	130	260	70	200	130	270	140	270	400	600	520	100	180
G10-G11.5	1250	1540	150	1000	230	230	90	220	150	280	140	250	70	200	130	260	130	280	400	600	520	90	190
G10-G11.6	1250	1540	150	1000	260	270	80	220	140	270	150	250	80	210	140	260	140	270	400	600	520	100	180
G10-G11.7	1250	1530	150	1000	230	260	90	230	140	240	140	250	60	200	120	250	150	260	400	600	520	100	180
G10-G11.8	1250	1530	150	1000	240	270	80	240	130	250	130	260	70	210	130	260	150	270	400	600	520	100	180
G10-G11.9	1250	1540	150	1000	250	280	70	220	130	220	140	250	60	190	110	240	140	250	400	600	520	100	180
G10-G11.10	1250	1530	150	1000	300	240	70	230	140	230	140	250	70	200	120	250	150	260	400	600	540	80	190
G10-G11.11	1250	2000	150	1150	300	190	70	270	100	220	170	290	40	150	150	240	120	230	580	750	660	100	170

# 수량산출 기초자료(강재도장, 철도구간)

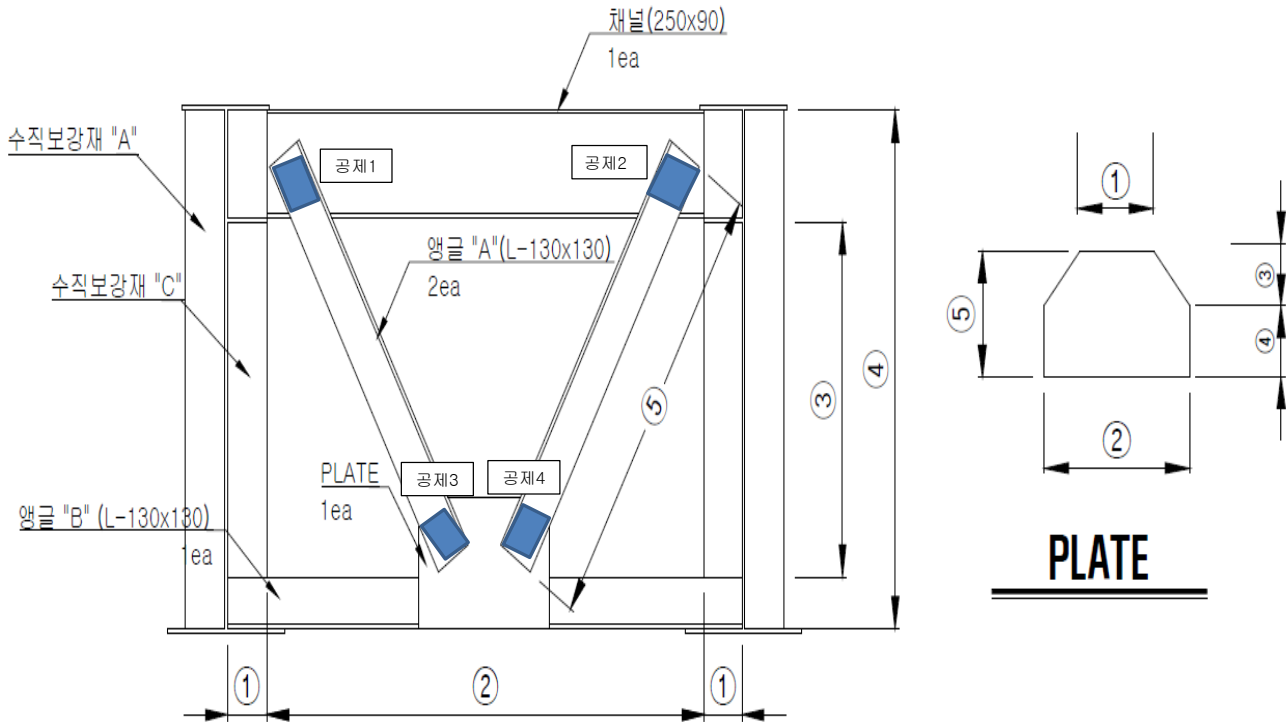
(단위 : mm)



	①	②	③	④	공제①	공제②	PLATE "A"		PLATE "B"		PLATE "C"		PLATE "D"		PLATE "E"		PLATE "F"		PLATE "G"				
							①	②	①	②	①	②	①	②	①	②	①	②	①	②	③	④	⑤
G11-G12.1	1250	2100	150	1150	260	250	80	200	130	170	120	200	70	200	100	250	130	220	600	750	650	100	170
G11-G12.2	1250	1530	150	1000	230	300	80	200	150	270	130	230	80	200	130	250	140	250	400	600	530	90	180
G11-G12.3	1250	1530	150	1000	240	290	80	190	140	260	120	220	70	190	120	240	130	240	400	600	520	100	180
G11-G12.4	1250	1530	150	1000	280	220	90	210	140	280	130	240	80	210	130	260	120	260	400	600	520	100	180
G11-G12.5	1250	1530	150	1000	260	270	100	210	150	270	140	230	80	200	140	250	140	250	400	600	520	100	180
G11-G12.6	1250	1540	150	1000	250	250	90	220	160	260	150	250	90	210	150	270	130	260	400	600	520	90	190
G11-G12.7	1250	1540	150	1000	260	240	90	200	150	280	150	290	80	210	130	250	120	250	400	600	520	100	180
G11-G12.8	1250	1530	150	1000	280	270	90	220	160	270	160	300	90	200	140	260	130	260	400	600	520	100	180
G11-G12.9	1250	1530	150	1000	270	240	80	190	140	260	140	290	60	190	120	240	120	240	400	600	520	100	180
G11-G12.10	1250	1530	150	1000	280	250	80	200	150	270	150	300	70	200	130	250	130	250	400	600	540	80	190
G11-G12.11	1250	2100	150	1100	300	250	100	300	150	150	90	200	90	200	100	280	100	240	570	750	650	100	160
평균	1250	1630	150	1020	250	250	90	230	130	240	140	240	80	210	120	260	120	250	430	620	540	90	180

# 수량산출 기초자료(강재도장, 일반·추가구간)

(단위 : mm)



	①	②	③	④	⑤	PLATE				브레이싱 공제			
						①	②	③	④	1	2	3	4
일반1	150	2000	800	1200	1350	360	450	120	50	300	300	150	150
일반2	150	1400	800	1200	1100	260	450	70	100	220	280	120	120
일반3	150	1400	800	1200	1100	250	450	70	100	230	230	110	110
일반4	150	1400	800	1200	1100	250	450	70	100	230	230	130	130
일반5	150	1400	800	1200	1100	250	450	70	100	220	230	130	130
일반6	150	1400	800	1200	1100	250	450	70	100	200	200	130	130
일반7	150	1400	800	1200	1100	250	450	70	100	230	230	120	120
일반8	150	1400	800	1200	1100	250	450	70	100	200	200	130	130
일반9	150	1530	800	1200	1150	260	450	70	100	200	200	130	130
추가1	150	1500	800	1200	1150	260	450	70	100	200	200	130	130
추가2	150	1400	800	1200	1100	250	450	70	100	200	200	130	130
추가3	150	1400	800	1200	1100	250	450	70	100	200	200	130	130
추가4	150	1400	800	1200	1100	250	450	70	100	200	200	130	130
추가5	150	1400	800	1200	1100	250	450	70	100	200	200	130	130
추가6	150	1400	800	1200	1100	250	450	70	100	200	200	130	130
추가7	150	1400	800	1200	1100	250	450	70	100	200	200	130	130
추가8	150	1400	800	1200	1100	250	450	80	90	200	200	120	120
평균	150	1440	800	1200	1120	250	450	70	90	210	210	120	120



# 폐 기 물

공 종	산 출 근 거	수 량
1. 폐기물 운반	1. 폐콘크리트	
	- 신축이음	
	수량참조            100    m × 0.6    m × 0.2    m            =	12    m³
	- 슬래브 보수	
	수량참조            100    m × 0.6    m × 0.3    m            =	18    m³
	-단면복구(T=30mm)	
	수량참조            0.81    m³ +        7.42    m³            =	8.23    m³
	<b>합    계</b>	<b>38.23    m³</b>
2. 폐기물 처리	1. 폐콘크리트	
	1. 폐기물 상차        38.23    m³ × 2.3    t/m³            =	<b>87.929    Ton</b>