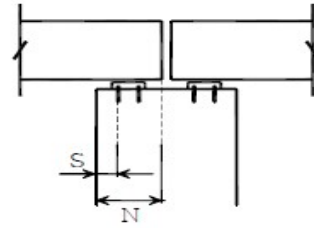
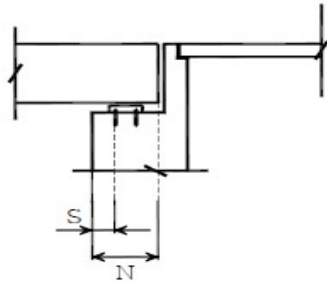


## 12. 지지길이평가



### 12.1 교대 1

1) 보유성능 : 교각의 받침지지길이  $N_C$

- $N_C = 1250.00 \text{ mm}$

2) 소요성능  $N_D$

- $N_D = \text{MAX}[\text{응답변위}, N_{\min}] = \text{MAX}[77.00, 544.51] = 544.51 \text{ mm}$

- $N_{\min} = (200 + 1.67L + 6.66H) * (1 + 0.000125\theta^2) = 544.51 \text{ mm}$

$L = 170.00 \text{ m}$  (연속경간장)

$H = 9.1 \text{ m}$  (총 교각 유효높이 평균길이)

$\theta = 0^\circ$  (사각)

3) 평가

- $\frac{N_C}{N_D} = \frac{1250}{545} = 2.300 \geq 1.0 \quad \therefore \text{O.K}$