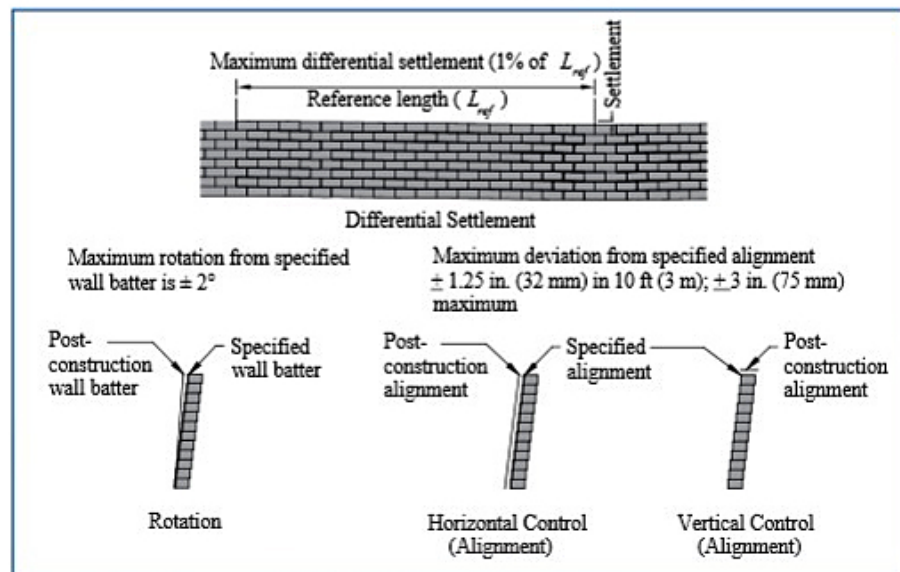


## Construction Tolerances

As with any constructed works, some deviation from construction drawing alignments will likely occur. As opposed to cast-in-place concrete walls, alignment of SRWs can be simply corrected or modified during construction. Based upon examination of numerous completed SRWs, the following recommended maximum tolerances can be achieved with good construction techniques and represent the disposition of the structure immediately following construction:

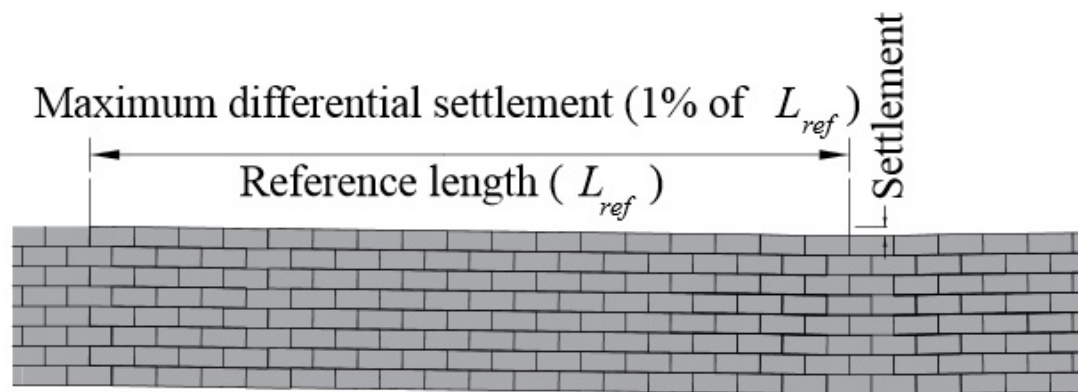
- Vertical control:  
± 1.25 in. (32 mm) over a 10 ft (3 m) distance; ± 3 in. (76 mm) maximum
- Horizontal control:  
straight lines: ± 1.25 in. (32 mm) over a 10 ft (3 m) distance; ± 3 in. (76 mm) maximum
- Rotation:  
from established plan wall batter: ± 2°
- Settlement:  
the maximum differential settlement between two locations should not exceed 1% of the distance between the two reference points on the wall



## Construction Tolerances

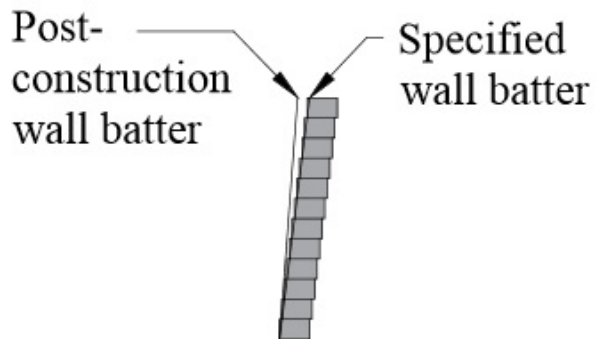
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from established plan wall batter: ± 2°
- Settlement:  
the maximum differential settlement between two locations should not exceed 1% of the distance between the two reference points on the wall



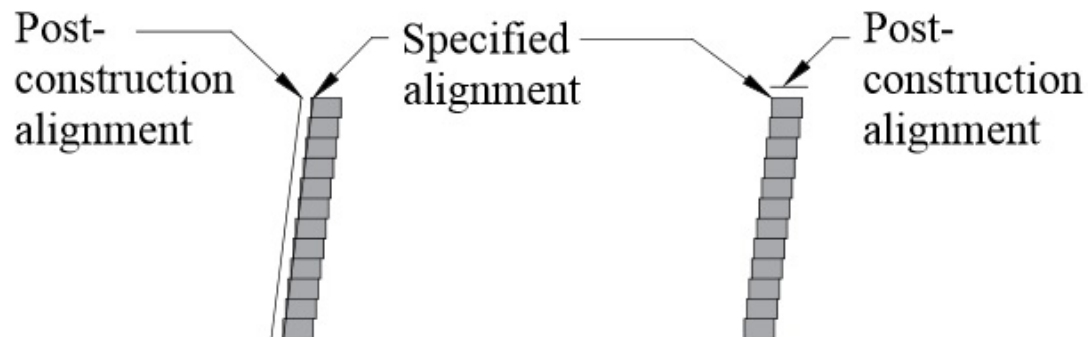
Differential Settlement

Maximum rotation from specified wall batter is  $\pm 2^\circ$



Rotation

Maximum deviation from specified alignment  $\pm 1.25$  in. (32 mm) in 10 ft (3 m);  $\pm 3$  in. (75 mm) maximum



Horizontal Control  
(Alignment)

Vertical Control  
(Alignment)