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Desplomes entre plantas debidos a la acción sísmica

1. DEFINICIONES

h: Altura del nivel respecto al inmediato inferior

Desplome:

Absoluto: Diferencia entre los desplazamientos de un nivel y los del inmediatamente inferior

Relativo: Relación entre el desplome absoluto y la altura

Nota:

Las diferentes normas suelen limitar el valor del desplome relativo entre plantas y del desplome total del edificio.

El valor absoluto se utilizará para definir las juntas sísmicas. El valor relativo suele limitarse en función de la altura de la planta 'h'. Se comprueba el valor 'Total' tomando en ese caso como valor de 'h' la altura total.

Los desplomes están mayorados por el factor de desplazamientos obtenido a partir de los datos del sistema estructural definidos para la acción sísmica.

2. DESPLOMES DE PILARES, PANTALLAS Y MUROS

Sismo X									
Columna	Planta	Cota (m)	h (m)	Desplome X			Desplome Y		
				Absoluto (cm)	Relativo		Absoluto (cm)	Relativo	
C1	CUB	3.9500	3.3500	0.13	0.0004h	✓	0.05	0.0001h	✓
	NP	0.6000	0.6000	0.00	0.0000h	---	0.00	0.0000h	---
	Fundación	0.0000	0.0000	0.00	---	---	0.00	---	---
	Total		3.9500	0.14	0.0004h	---	0.05	0.0001h	---
C2	CUB	3.9500	3.3500	0.14	0.0004h	✓	0.04	0.0001h	✓
	NP	0.6000	0.6000	0.00	0.0000h	---	0.00	0.0000h	---
	Fundación	0.0000	0.0000	0.00	---	---	0.00	---	---
	Total		3.9500	0.14	0.0004h	---	0.04	0.0001h	---
C3	CUB	3.9500	3.3500	0.14	0.0004h	✓	0.04	0.0001h	✓
	NP	0.6000	0.6000	0.00	0.0000h	---	0.00	0.0000h	---
	Fundación	0.0000	0.0000	0.00	---	---	0.00	---	---
	Total		3.9500	0.14	0.0004h	---	0.04	0.0001h	---
C4	CUB	3.9500	3.3500	0.13	0.0004h	✓	0.04	0.0001h	✓
	NP	0.6000	0.6000	0.00	0.0000h	---	0.00	0.0000h	---
	Fundación	0.0000	0.0000	0.00	---	---	0.00	---	---
	Total		3.9500	0.14	0.0004h	---	0.04	0.0001h	---
C5	CUB	3.9500	3.3500	0.13	0.0004h	✓	0.04	0.0001h	✓
	NP	0.6000	0.6000	0.00	0.0000h	---	0.00	0.0000h	---
	Fundación	0.0000	0.0000	0.00	---	---	0.00	---	---
	Total		3.9500	0.14	0.0004h	---	0.04	0.0001h	---
C6	CUB	3.9500	3.3500	0.13	0.0004h	✓	0.04	0.0001h	✓
	NP	0.6000	0.6000	0.00	0.0000h	---	0.00	0.0000h	---
	Fundación	0.0000	0.0000	0.00	---	---	0.00	---	---
	Total		3.9500	0.14	0.0004h	---	0.04	0.0001h	---
C7	CUB	3.9500	3.3500	0.13	0.0004h	✓	0.04	0.0001h	✓
	NP	0.6000	0.6000	0.00	0.0000h	---	0.00	0.0000h	---
	Fundación	0.0000	0.0000	0.00	---	---	0.00	---	---
	Total		3.9500	0.14	0.0004h	---	0.04	0.0001h	---
C8	CUB	3.9500	3.3500	0.13	0.0004h	✓	0.05	0.0001h	✓
	NP	0.6000	0.6000	0.00	0.0000h	---	0.00	0.0000h	---
	Fundación	0.0000	0.0000	0.00	---	---	0.00	---	---
	Total		3.9500	0.14	0.0004h	---	0.05	0.0001h	---

Sismo Y									
Columna	Planta	Cota (m)	h (m)	Desplome X			Desplome Y		
				Absoluto (cm)	Relativo		Absoluto (cm)	Relativo	
C1	CUB	3.9500	3.3500	0.04	0.0001h	✓	0.14	0.0004h	✓
	NP	0.6000	0.6000	0.00	0.0000h	---	0.00	0.0000h	---
	Fundación	0.0000	0.0000	0.00	---	---	0.00	---	---
	Total		3.9500	0.04	0.0001h	---	0.14	0.0004h	---
C2	CUB	3.9500	3.3500	0.04	0.0001h	✓	0.13	0.0004h	✓
	NP	0.6000	0.6000	0.00	0.0000h	---	0.00	0.0000h	---
	Fundación	0.0000	0.0000	0.00	---	---	0.00	---	---
	Total		3.9500	0.05	0.0001h	---	0.14	0.0004h	---



Desplomes entre plantas debidos a la acción sísmica

Sismo Y									
Columna	Planta	Cota (m)	h (m)	Desplome X			Desplome Y		
				Absoluto (cm)	Relativo		Absoluto (cm)	Relativo	
C3	CUB	3.9500	3.3500	0.04	0.0001h	✓	0.13	0.0004h	✓
	NP	0.6000	0.6000	0.00	0.0000h	---	0.00	0.0000h	---
	Fundación	0.0000	0.0000	0.00	---	---	0.00	---	---
	Total		3.9500	0.05	0.0001h	---	0.14	0.0004h	---
C4	CUB	3.9500	3.3500	0.04	0.0001h	✓	0.14	0.0004h	✓
	NP	0.6000	0.6000	0.00	0.0000h	---	0.00	0.0000h	---
	Fundación	0.0000	0.0000	0.00	---	---	0.00	---	---
	Total		3.9500	0.04	0.0001h	---	0.14	0.0004h	---
C5	CUB	3.9500	3.3500	0.04	0.0001h	✓	0.14	0.0004h	✓
	NP	0.6000	0.6000	0.00	0.0000h	---	0.00	0.0000h	---
	Fundación	0.0000	0.0000	0.00	---	---	0.00	---	---
	Total		3.9500	0.04	0.0001h	---	0.14	0.0004h	---
C6	CUB	3.9500	3.3500	0.04	0.0001h	✓	0.13	0.0004h	✓
	NP	0.6000	0.6000	0.00	0.0000h	---	0.00	0.0000h	---
	Fundación	0.0000	0.0000	0.00	---	---	0.00	---	---
	Total		3.9500	0.04	0.0001h	---	0.14	0.0004h	---
C7	CUB	3.9500	3.3500	0.04	0.0001h	✓	0.13	0.0004h	✓
	NP	0.6000	0.6000	0.00	0.0000h	---	0.00	0.0000h	---
	Fundación	0.0000	0.0000	0.00	---	---	0.00	---	---
	Total		3.9500	0.04	0.0001h	---	0.14	0.0004h	---
C8	CUB	3.9500	3.3500	0.04	0.0001h	✓	0.14	0.0004h	✓
	NP	0.6000	0.6000	0.00	0.0000h	---	0.00	0.0000h	---
	Fundación	0.0000	0.0000	0.00	---	---	0.00	---	---
	Total		3.9500	0.04	0.0001h	---	0.14	0.0004h	---

3. DESPLOMES ENTRE PLANTAS

Sismo X								
Planta	Cota (m)	h (m)	Desplome X			Desplome Y		
			Absoluto (cm)	Relativo		Absoluto (cm)	Relativo	
CUB	4.100	3.350	0.13	0.0004h	---	0.04	0.0001h	---
NP	0.750	0.750	0.00	0.0000h	---	0.00	0.0000h	---

Sismo Y								
Planta	Cota (m)	h (m)	Desplome X			Desplome Y		
			Absoluto (cm)	Relativo		Absoluto (cm)	Relativo	
CUB	4.100	3.350	0.04	0.0001h	---	0.13	0.0004h	---
NP	0.750	0.750	0.00	0.0000h	---	0.00	0.0000h	---