

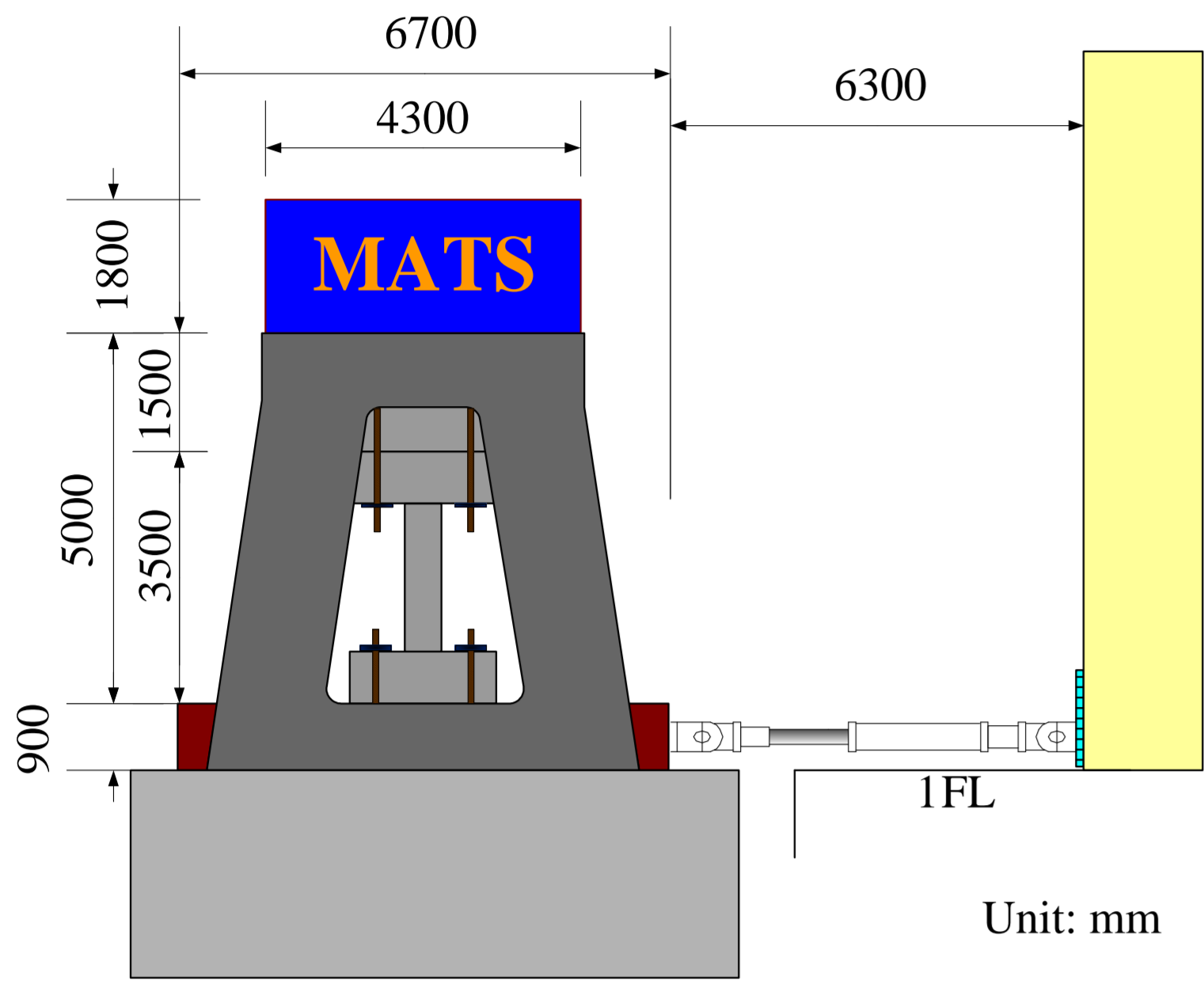
# 台灣新型高強度鋼筋混凝土結構研發

財團法人國家實驗研究院國家地震工程研究中心

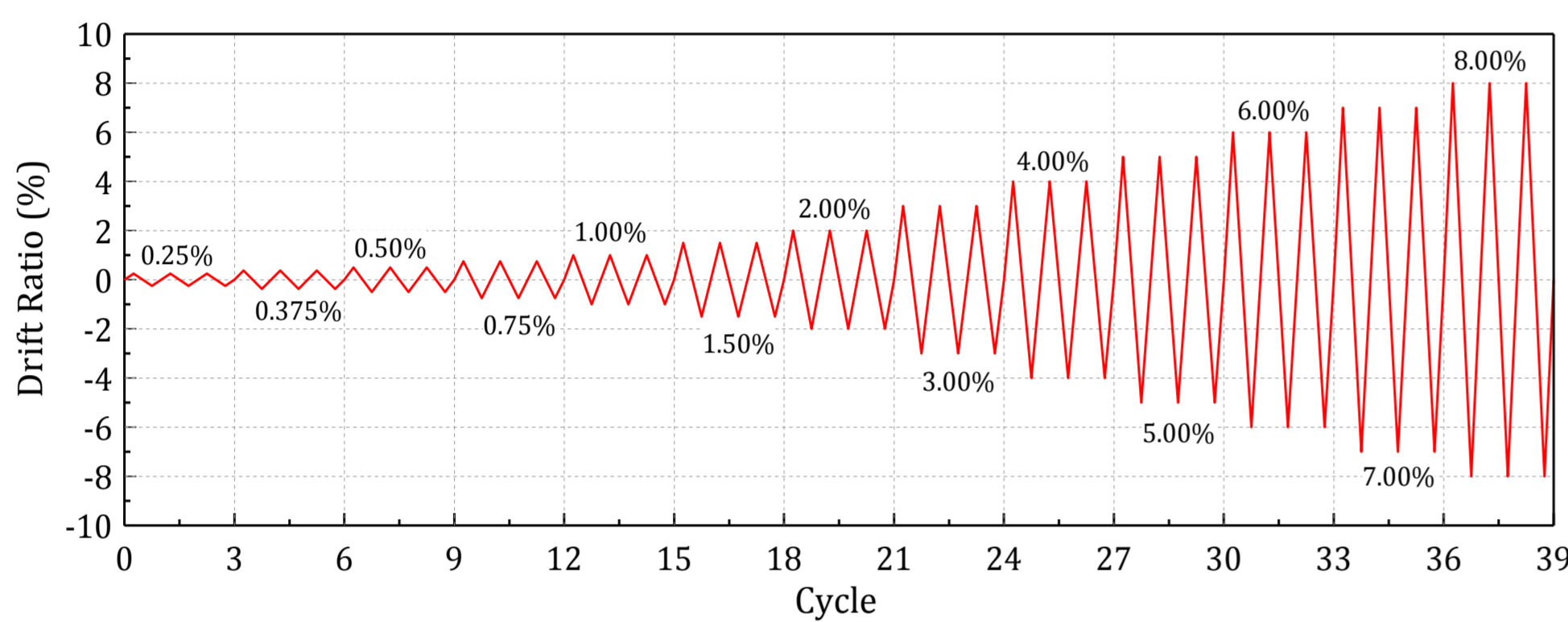
## 柱圍束箍筋量測試

試體規劃表

Specimen	Longitudinal Bars SD685		Transverse Bars SD785				Axial load ratio	
	Splicing	size	size	s (mm)	$\rho_s$ (%)	Type		
CF-C-PT-0.1	No splice	16-D25	2.18	D13	100	2.12	PT	0.1
CF-C-PT-0.33	No splice			D16	100	3.20	PT	0.33
CF-G-PT-0.1	Grouted Sleeve			D13	100	2.12	PT	0.1
CF-G-PT-0.33	Grouted Sleeve			D16	100	3.20	PT	0.33
CF-G-W-0.1	Grouted Sleeve			D13	100	2.12	W	0.1
CF-G-W-0.33	Grouted Sleeve			D16	100	3.20	W	0.33



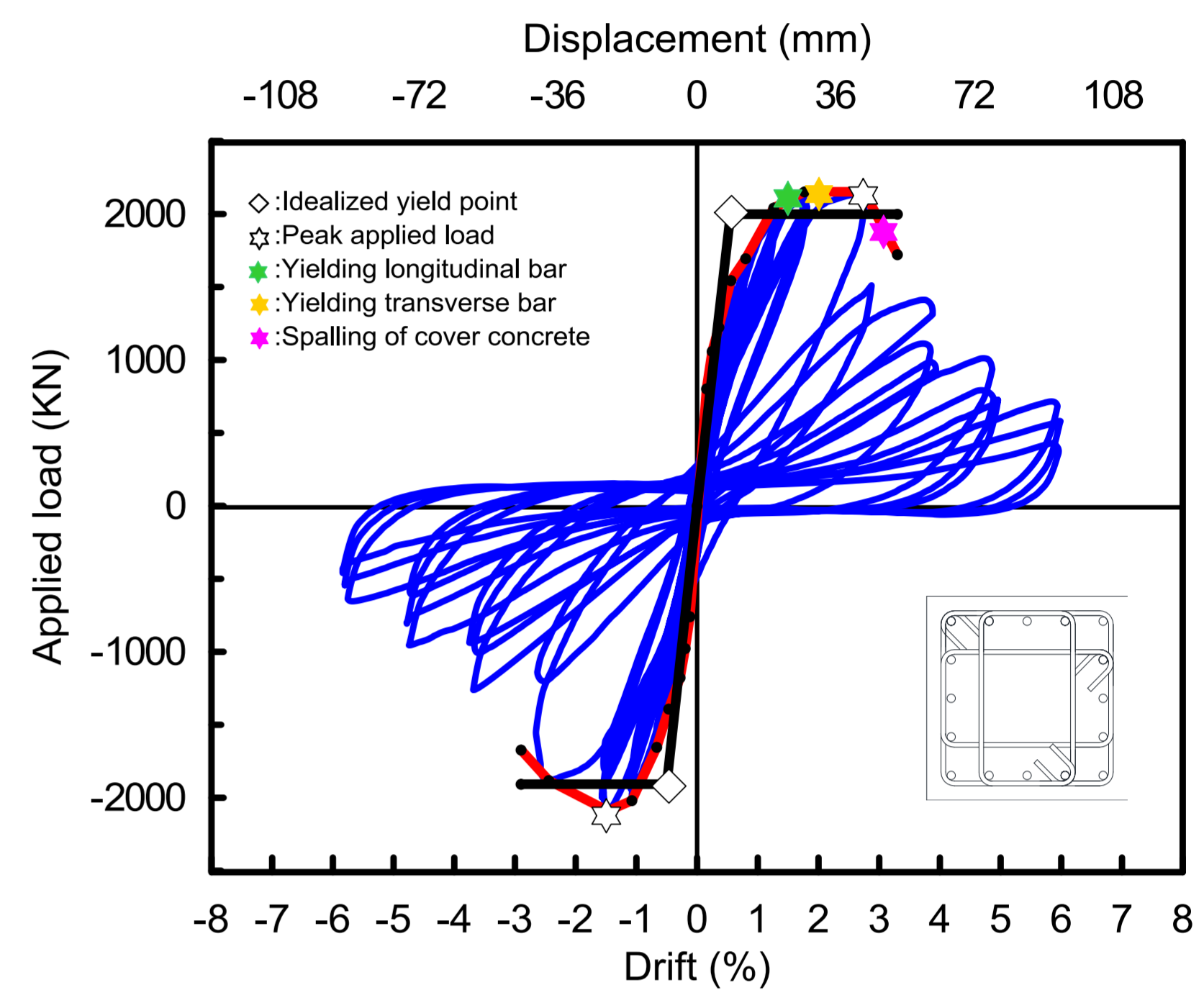
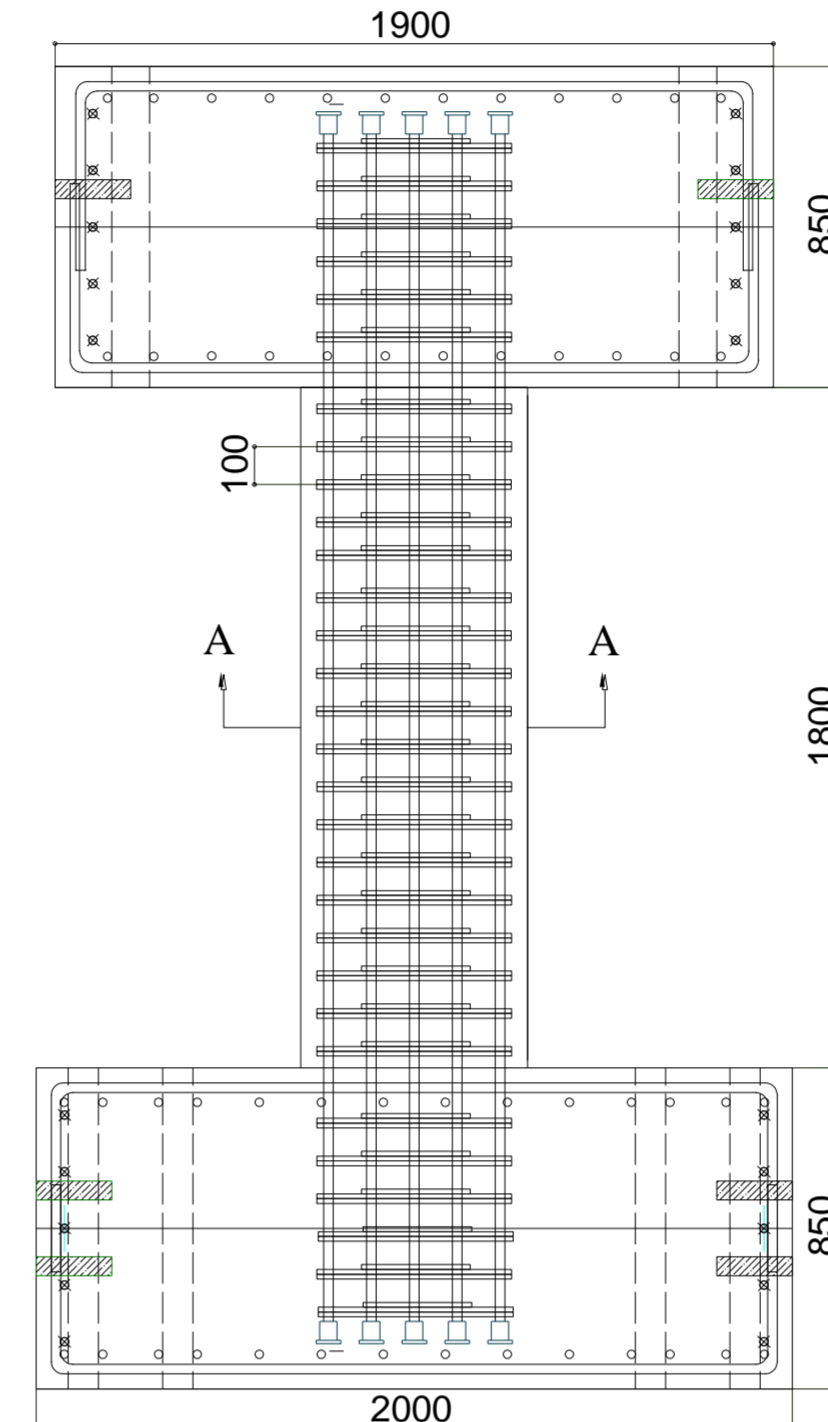
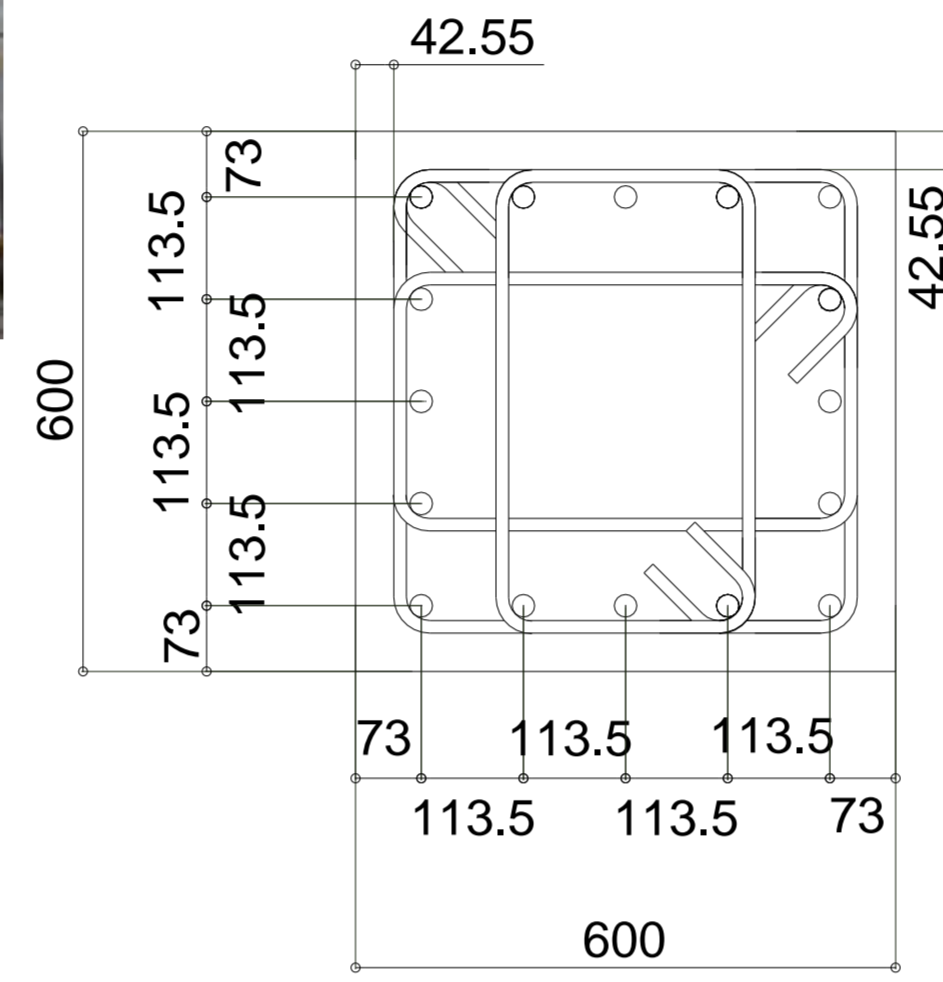
多軸向測試系統(MATS)



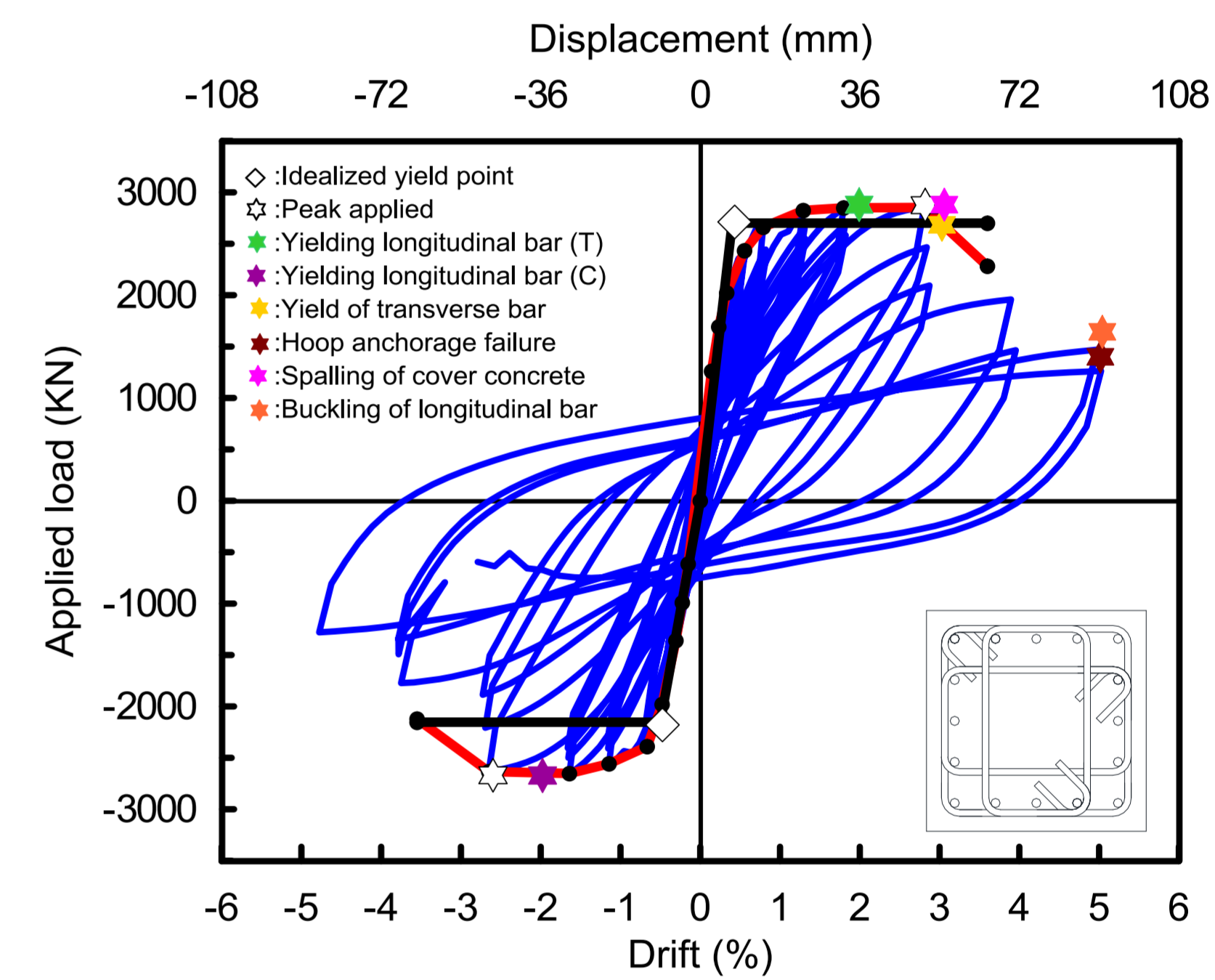
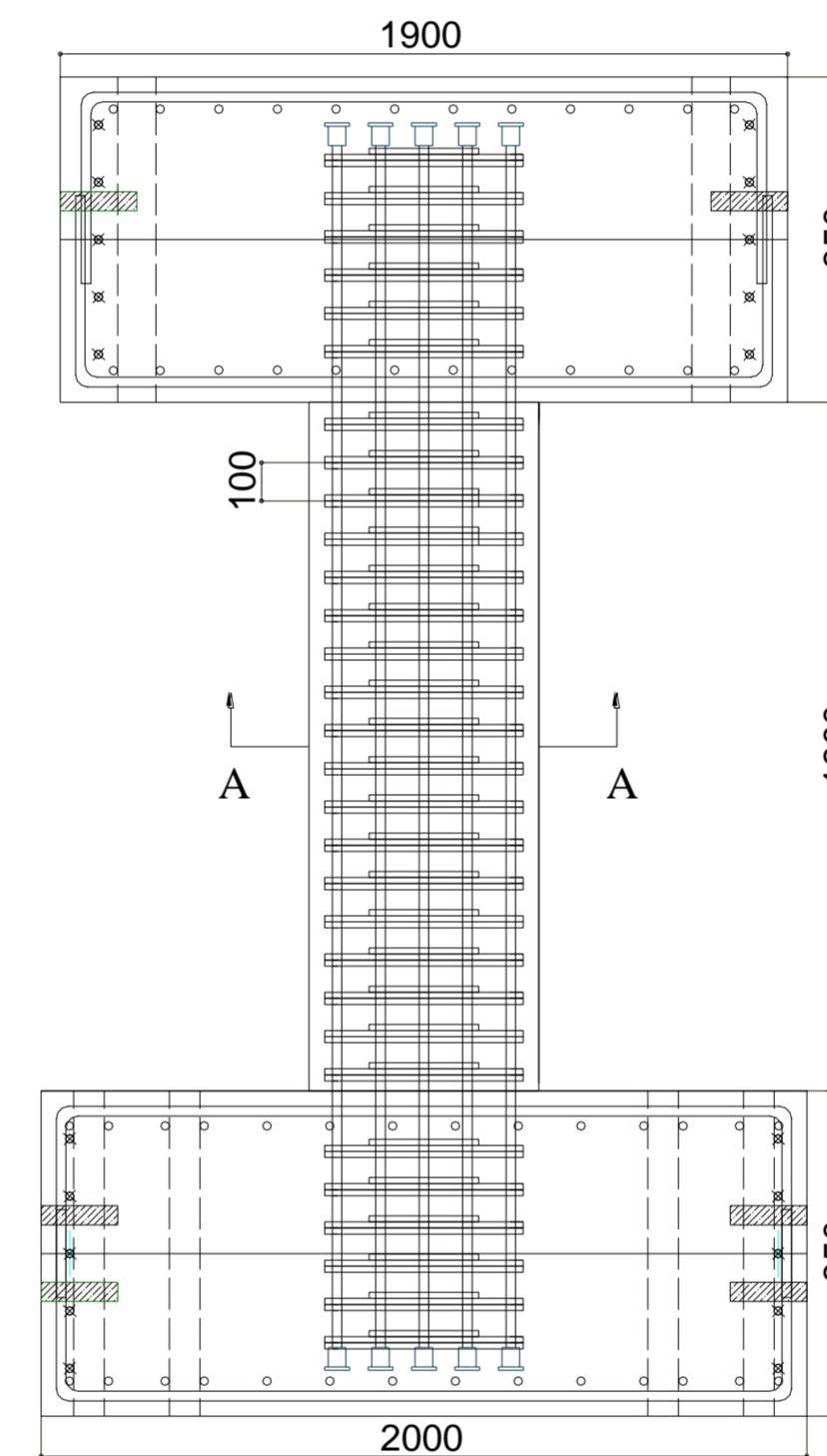
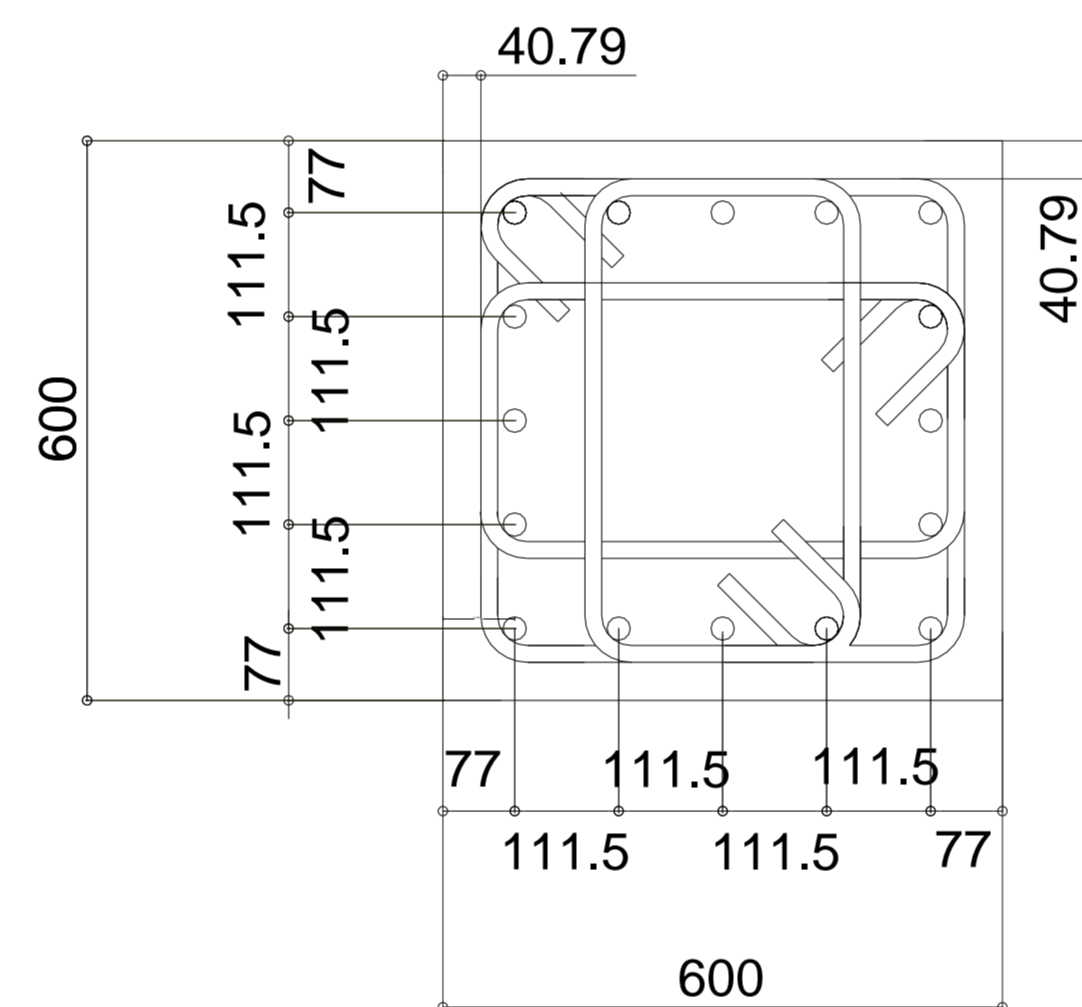
載重歷時圖

### 測試試驗結果

Specimen	Yield Drift (%)	Peak Load (kN)	Ultimate Drift (%)	Ductility
CF-C-PT-0.1	0.55	2152	3.3	6
CF-G-PT-0.1	0.7	2161	3.4	4.9
CF-G-W-0.1	0.6	2121	3	5
CF-C-PT-0.33	0.4	2853	3.6	9
CF-G-PT-0.33	0.55	3014	3.45	6.9
CF-G-W-0.33	0.48	2925	3.5	7.3

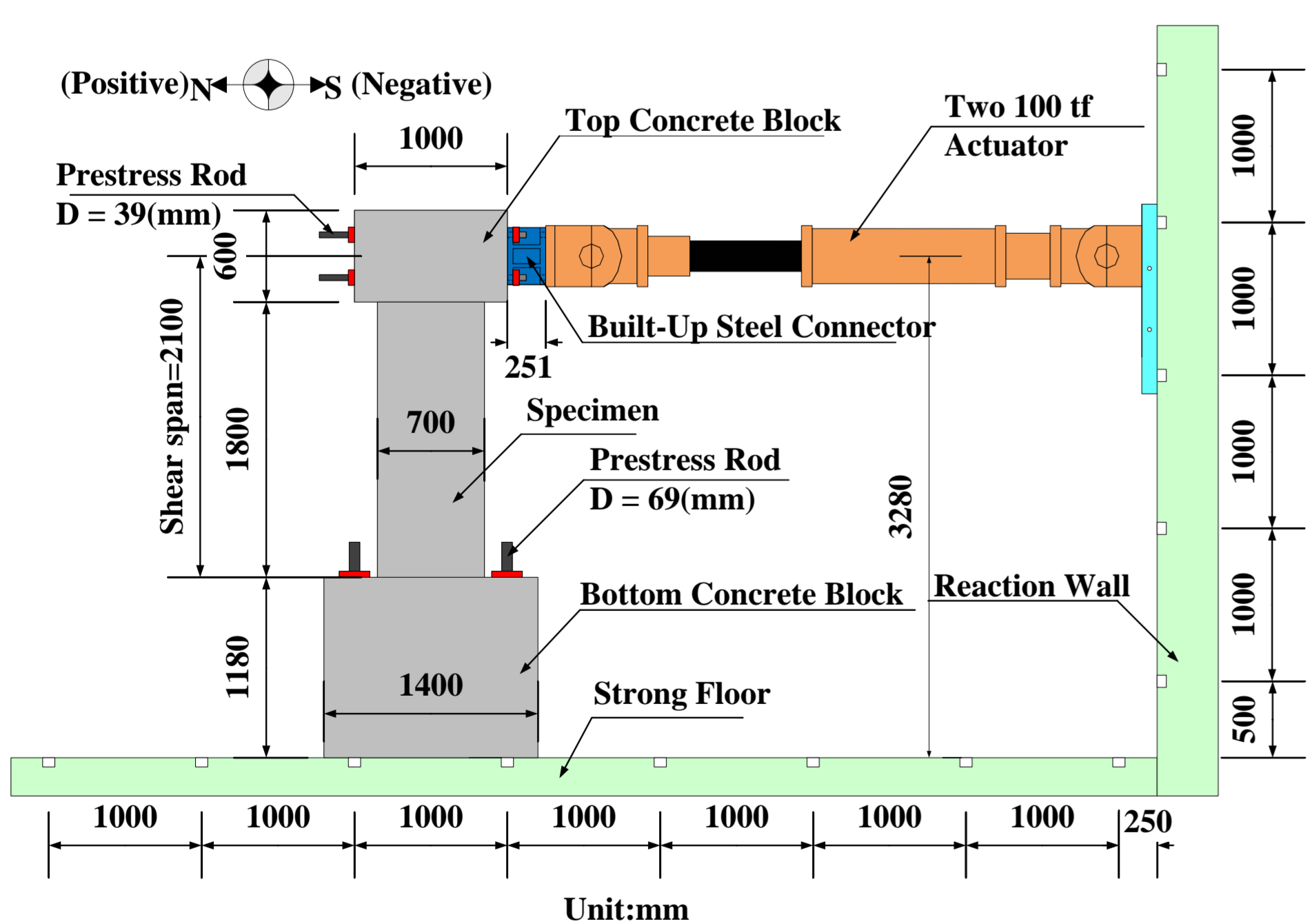


CF-C-PT-0.1



CF-G-PT-0.33

## 梁剪力行為測試



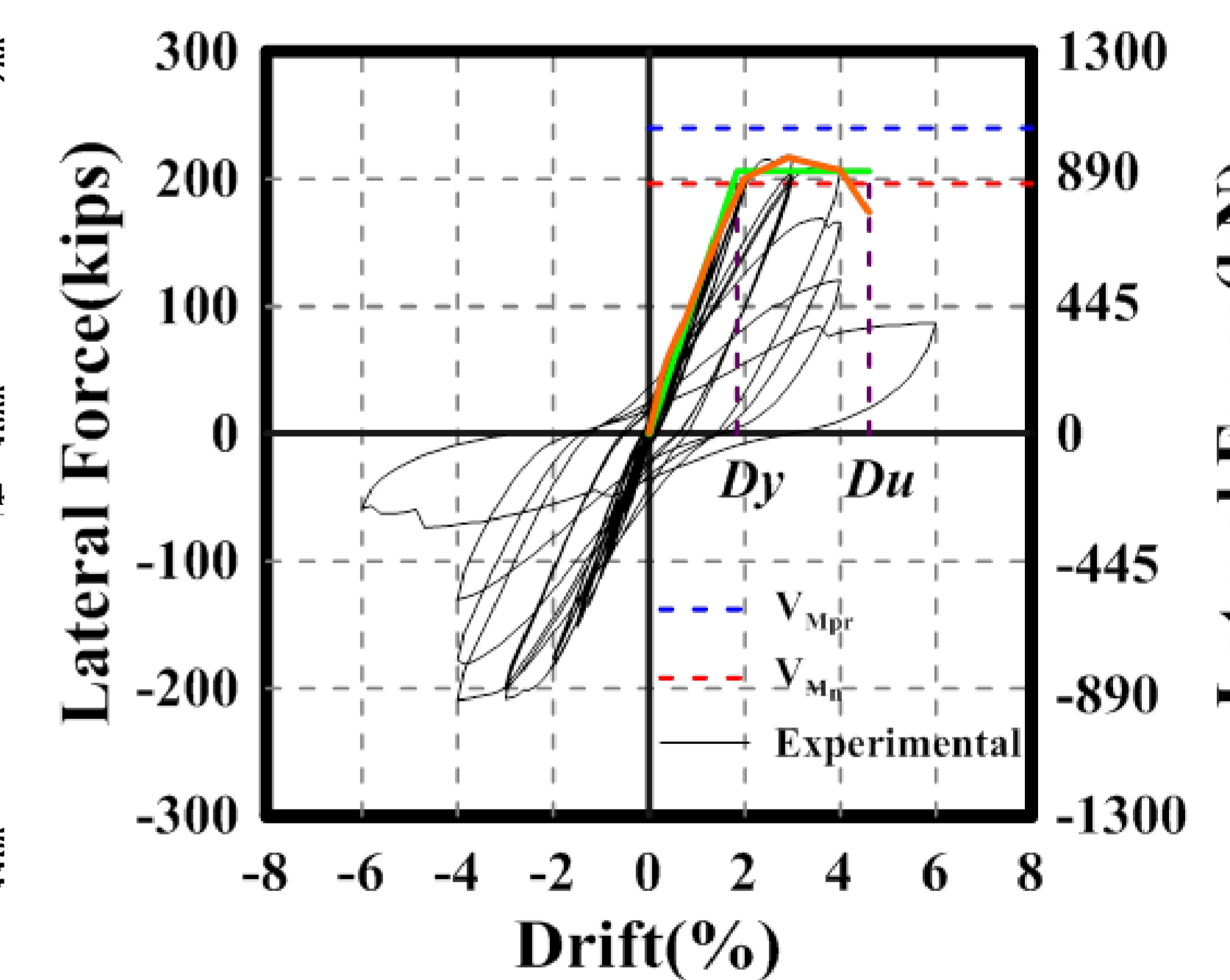
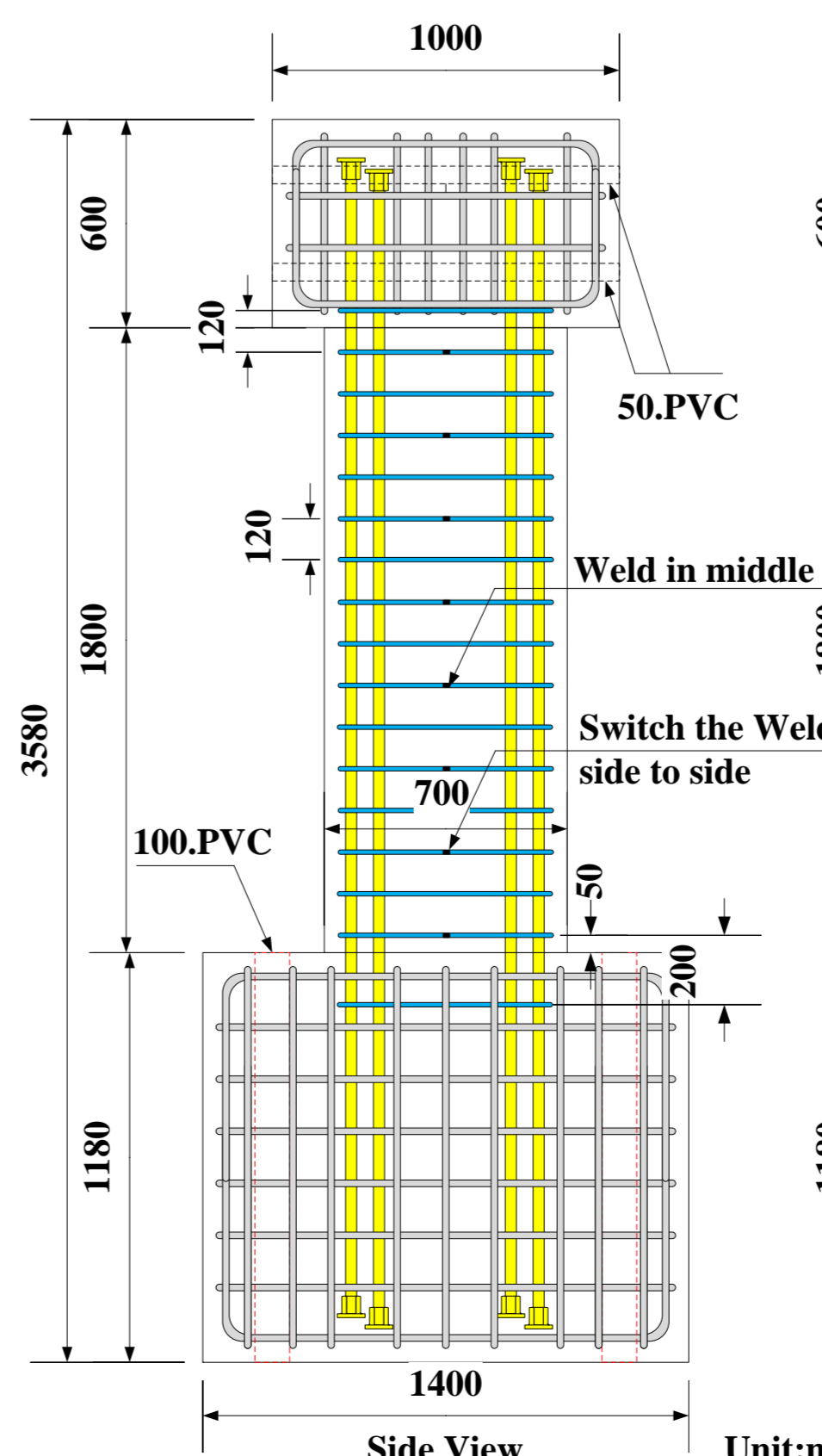
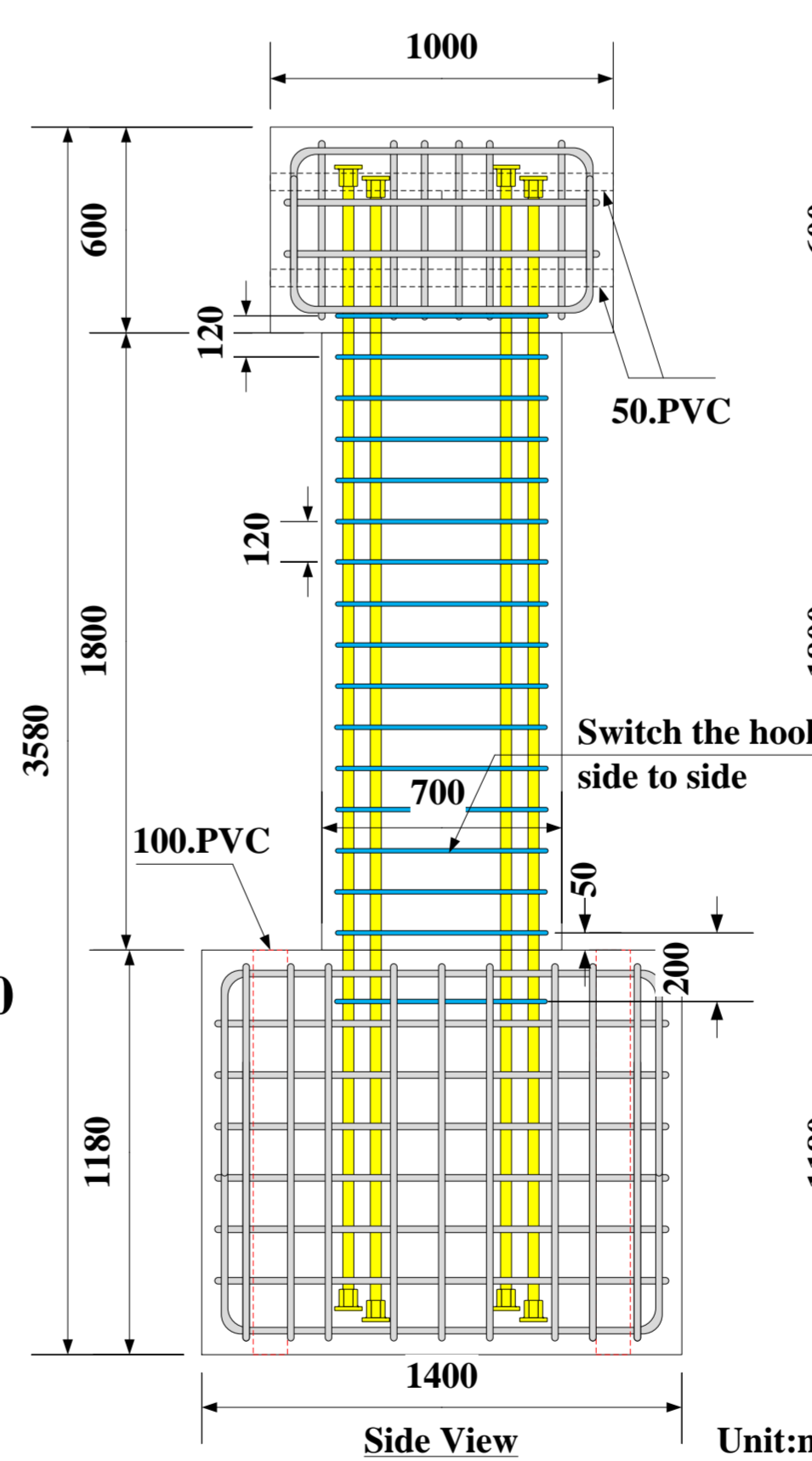
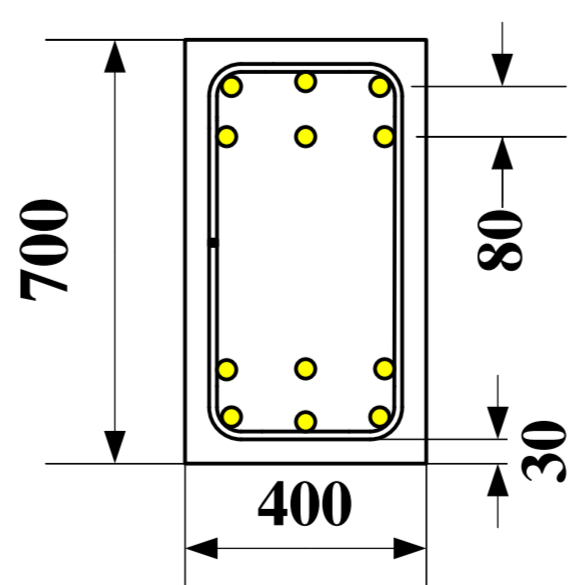
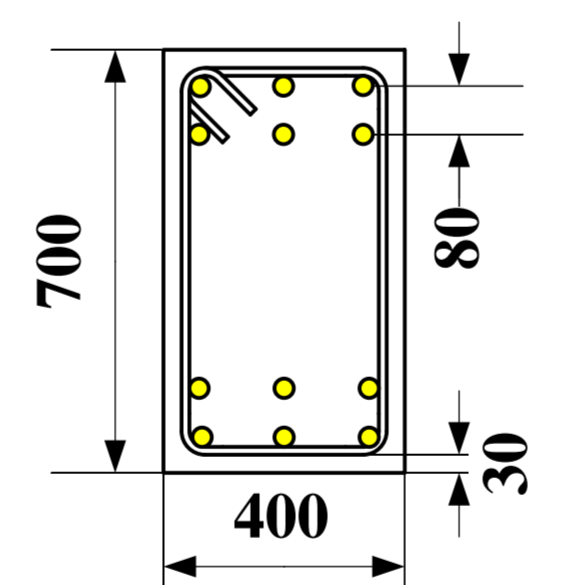
測試佈置

### 測試試驗結果

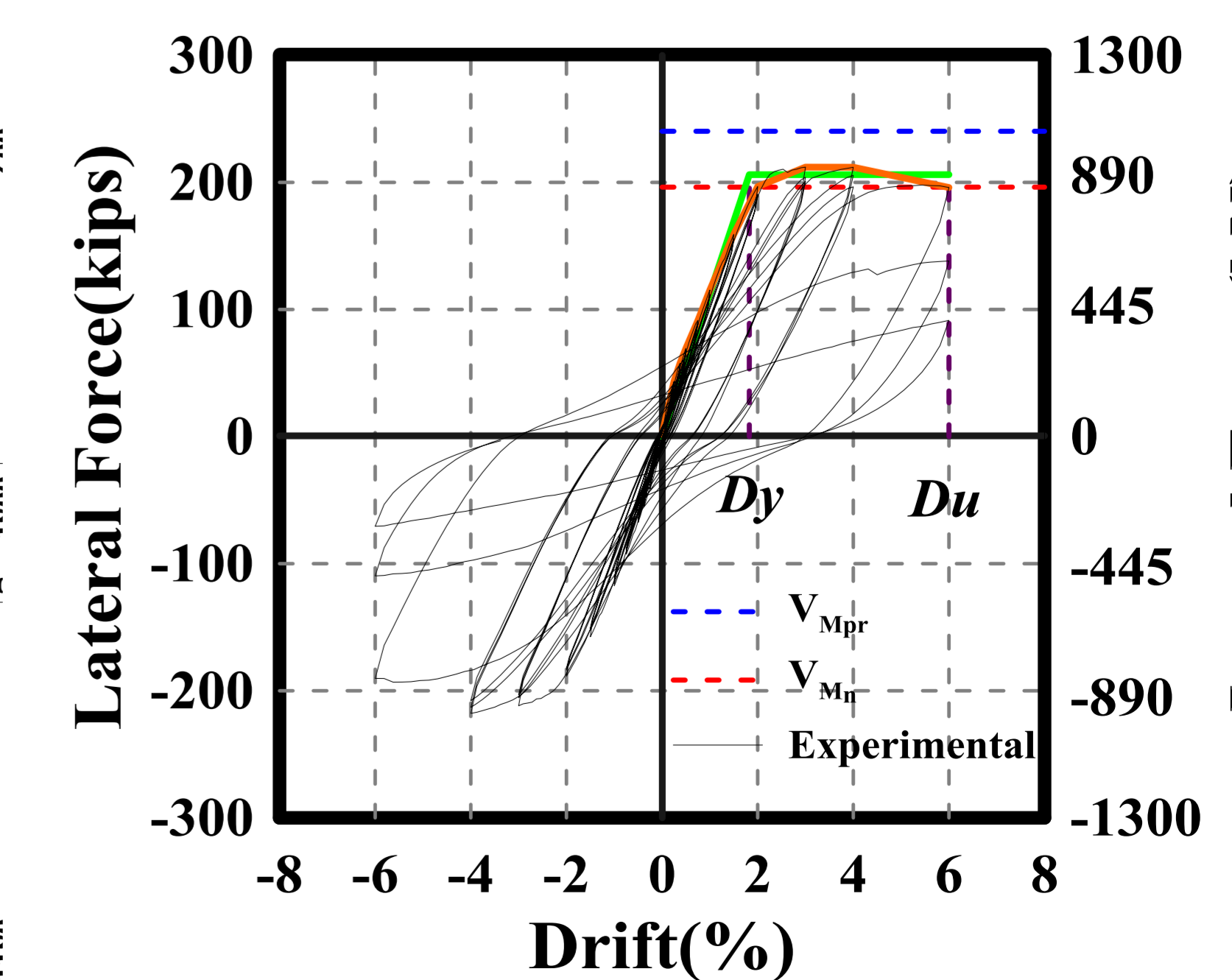
Specimen	Yield Drift (%)	Peak Load (kN)	Ultimate Drift (%)
BS-T	1.85	966.2	4.6
BS-W	1.83	943.2	6.0

Bar : USD685 12-D32  
Hoop: USD785 17-D13@120

Bar : USD685 12-D32  
Hoop: USD785 17-D13@120 (weld)



BS-T



BS-W