



Glossary for the Shear Wall Database at NEEShub

V.max	:	Maximum shear force	kN
P	:	Applied axial load	kN
Ag	:	Gross cross-sectional area of specimen	mm ²
$P/(f'_c \cdot Ag)$:	Ratio of applied axial load to compressive strength of the wall cross section	-
f'_c	:	Concrete compressive strength	MPa
hw	:	Height of the wall	mm
lw	:	Total length of the wall	mm
tw	:	Web thickness	mm
cw	:	Cover thickness in web	mm
d.wl	:	Diameter of vertical reinforcement in web	mm
s.wl	:	Spacing of vertical reinforcement in web	mm
fy.wl	:	Yield stress of vertical reinforcement in web	MPa
fu.wl	:	Ultimate stress of vertical reinforcement in web	MPa
d.wv	:	Diameter of horizontal reinforcement in web	mm
s.wv	:	Spacing of horizontal reinforcement in web	mm
fy.wv	:	Yield stress of horizontal reinforcement in web	MPa
fu.wv	:	Ultimate stress of horizontal reinforcement in web	MPa
bb	:	Width of boundary element (perpendicular to the longitudinal direction of the wall)	mm
hb	:	Depth of boundary element (parallel to the longitudinal	

		direction of the wall)	mm
cb	:	Cover thickness in boundary element	mm
B.E.	:	Boundary Element	
d.bl	:	Diameter of longitudinal reinforcement in B.E.	mm
s.bl	:	Spacing of longitudinal reinforcement in B.E.	mm
fy.bl	:	Yield stress of longitudinal reinforcement in B.E.	MPa
fu.bl	:	Ultimate stress of longitudinal reinforcement in B.E.	MPa
d.bv	:	Diameter of transverse reinforcement in B.E.	mm
s.bv	:	Spacing of transverse reinforcement in B.E.	mm
fy.bv	:	Yield stress of transverse reinforcement in B.E.	MPa
fu.bv	:	Ultimate stress of transverse reinforcement in B.E.	MPa
rho.wl	:	Ratio of vertical web reinforcement to gross concrete area of horizontal section of wall web.	-
rho.wh	:	Ratio of horizontal reinforcement to gross concrete area of vertical section of wall web.	-
rho.bl	:	Ratio of main flexural reinforcement to gross concrete area of B.E.	-
rho.bv	:	Transverse reinforcement ratio in B.E.	-
delta.y	:	Lateral roof displacement at the yield load	mm
delta.y/hw	:	Mean drift ratio at the yield load	-
delta.pk	:	Lateral roof displacement at the maximum load	mm
delta.pk/hw	:	Mean drift ratio at the maximum load	-
delta.u	:	Lateral roof displacement at the ultimate load	mm
delta.u/hw	:	Mean drift ratio at the ultimate load	-