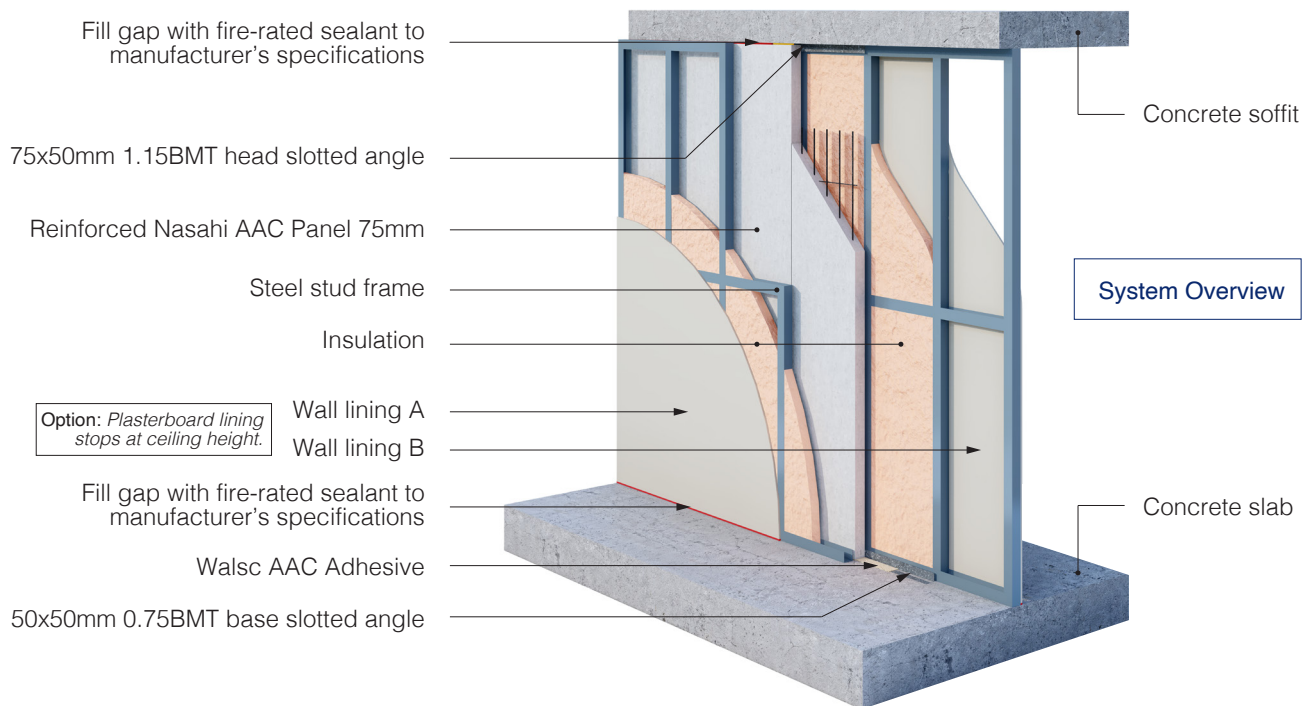


Walsc Internal Wall Systems

Internal Cavity Wall

Option 3: Separate Stud + Reinforced Nasahi AAC Panel + Separate Stud

STATUS	NCC (BCA)	DESCRIPTION
✔	Part F5.5 (a) (i)	Rw + Ctr ≥ 50 for walls separating Sole Occupancy Units (SOUs)
✔	Part F5.3 (b) (i)	Discontinuous construction therefore can separate wet areas, lift shaft, plant rooms, etc.
✔	Part F5.6 (a) (i)	Services can be located in the cavity when wall is separating SOU habitable area.
✔	Part F5.6 (a) (ii)	Services can be located in either/both cavities when wall is separating SOU non-habitable area.
✔	Complying	
✘	Not Complying	



TYPICAL SYSTEM DETAILS (More options are available in the Design and Installation Guide)

Ref No.	Use	Wall Lining A	Steel Studs	Insulation	Gap	AAC Panel	Gap	Steel Studs	Insulation	Wall Lining B	Wall THK.	Rw/Rw+Ctr	FRL
WIW 30	Dry / Dry	13mm Standard Plasterboard	64mm x 0.50BMT	50mm Glasswool	20mm Cavity for Discontinuous Construction	Reinforced Nasahi AAC Panel 75mm Tongue and Groove	20mm Cavity for Discontinuous Construction	64mm x 0.50BMT	50mm Glasswool	13mm Standard Plasterboard	269mm	62 / 50	- /120/120
WIW 31	Dry / Wet	13mm Standard Plasterboard		75mm Glasswool					75mm Glasswool	13mm Moisture Resistant Plasterboard	269mm	65 / 53	- /120/120
WIW 32	Wet / Wet	13mm Moisture Resistant Plasterboard		75mm Glasswool					75mm Glasswool	13mm Moisture Resistant Plasterboard	269mm	66 / 54	- /120/120

Note: (1) The maximum wall height is 3300mm to achieve the above FRLs. For wall height greater than 3300mm, please contact Walsc.
 (2) Rw/Rw+Ctr values are based on acoustic test report AC-010-15/CT and assessment report PKA-A158 and have taken into account of curing time.
 (3) 75mm polyester can replace glasswool while maintaining same Acoustics and FRL ratings.
 (4) 9mm fibre cement sheet can replace 13mm moisture resistant plasterboard while maintaining same Acoustic and FRL ratings.