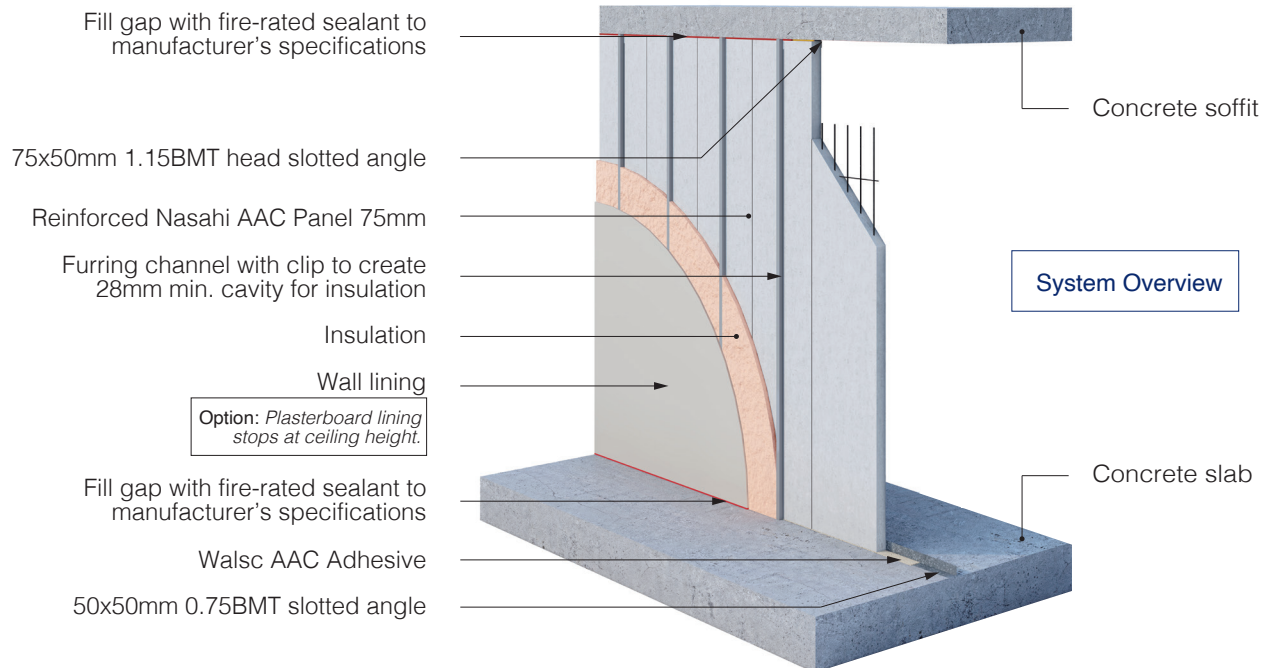


Walsc Internal Wall Systems

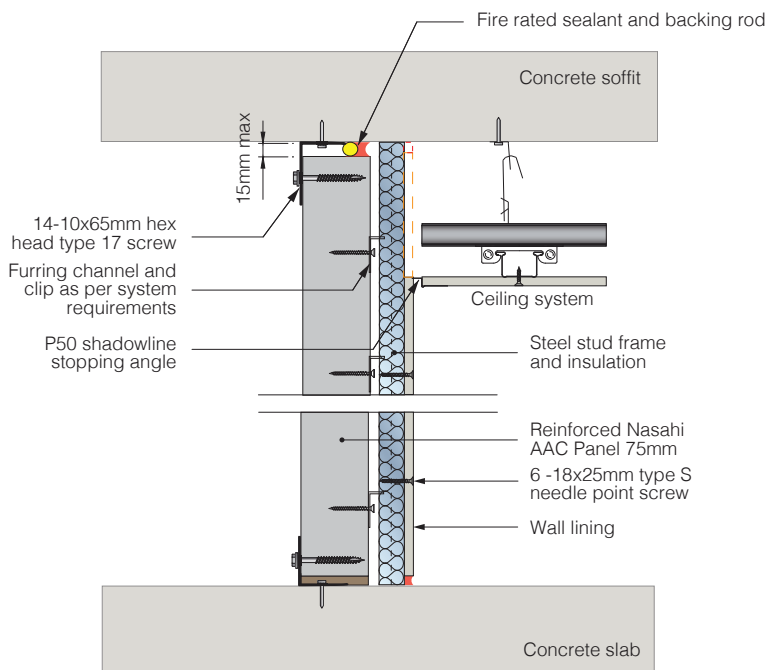
Service Shaft Wall

Option 2: Reinforced Nasahi AAC Panel + Furring Channel



System Overview

Section View *Option of plasterboard lining stops at ceiling height*



SYSTEM FEATURES

- ✓ $R_w + C_{tr} > 50$ for walls separating Sole Occupancy Units (SOUs);
- ✓ Services (such as exhaust ducts) can be located on the service shaft side as wall complies with $R_w + C_{tr} \geq 40$
- ✓ Services can be located in cavities when wall is separating SOU non-habitable area.

Note:

- (1). Either of deflection track & slotted angle head details can be used, both options give the same Acoustic performance and FRLs.
- (2). The maximum wall height is 3300mm to achieve the FRLs above. For wall height greater than 3300mm, please contact Walsc.
- (3). $R_w + C_{tr}$ values are based on acoustic tests report AC-010-15/CT and acoustic assessment PKA-A158 and have taken into account of curing time.

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

Ref No.	Use	AAC Panel	Steel Stud	Insulation	Wall Lining	Wall THK.	FRL	$R_w/R_w + C_{tr}$
WSW 30	Shaft/Dry	Reinforced Nasahi AAC Panel 75mm Square Edge	Min. 28mm Furring Channel + Clip	50mm Glasswool	13mm Standard Plasterboard	116 mm min.	-/90/90	50/40
WSW 31	Shaft/Dry	Reinforced Nasahi AAC Panel 75mm Tongue and Groove		50mm Glasswool	13mm Standard Plasterboard	116 mm min.	-/120/120	50/40
WSW 32	Shaft/Wet			50mm Glasswool	13mm Moisture Resistant Plasterboard	116 mm min.	-/120/120	51/41

Note: (1) The maximum wall height is 3300mm to achieve the above FRLs. For wall height greater than 3300mm, please contact Walsc.
 (2) $R_w/R_w + C_{tr}$ 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) 9mm fibre cement sheet can replace 13mm moisture resistant plasterboard while maintaining same Acoustic and FRL ratings.