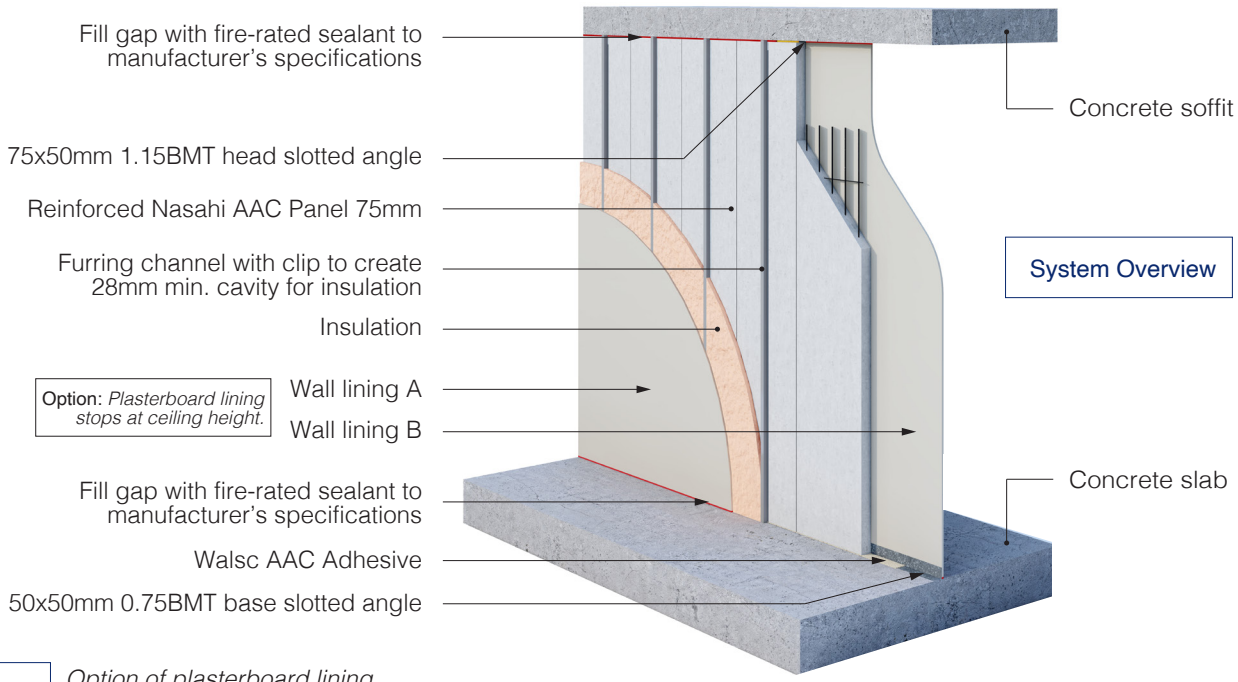
Walsc Internal Wall Systems

Common Wall

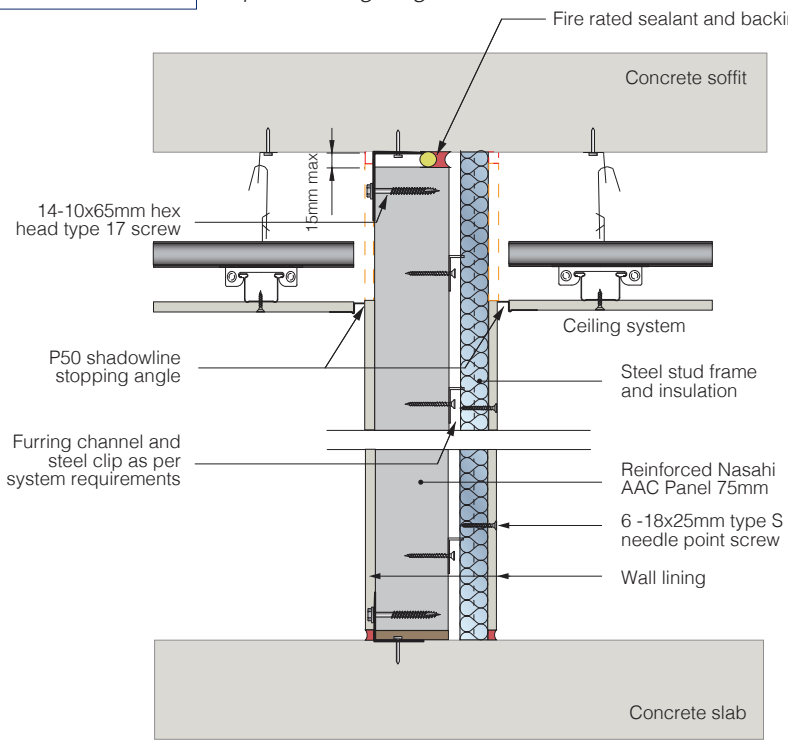
Reinforced Nasahi AAC Panel + Furring Channel



System Overview

Section View

Option of plasterboard lining stops at ceiling height



SYSTEM FEATURES

- Rw+Ctr > 50 for walls separating Sole Occupancy Units (SOUs);
- Services can be located in either/both 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	Wall Lining A	AAC Panel	Steel Stud	Insulation	Wall Lining B	Wall THK.	FRL	R_w/R_w+C_{tr}
WCW 10	Dry/Dry	13mm Standard Plasterboard	Reinforced Nasahi AAC Panel 75mm Square Edge	Min. 28mm Furring Channel + Clip	50mm Glasswool	13mm Standard Plasterboard	129 mm min.	-/90/90	52/42
WCW 11	Dry/Dry	13mm Standard Plasterboard	Reinforced Nasahi AAC Panel 75mm Tongue and Groove		50mm Glasswool	13mm Standard Plasterboard	129 mm min.	-/120/120	52/42
WCW 12	Dry/Wet	13mm Standard Plasterboard			50mm Glasswool	13mm Moisture Resistant Plasterboard	129 mm min.	-/120/120	53/43

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.