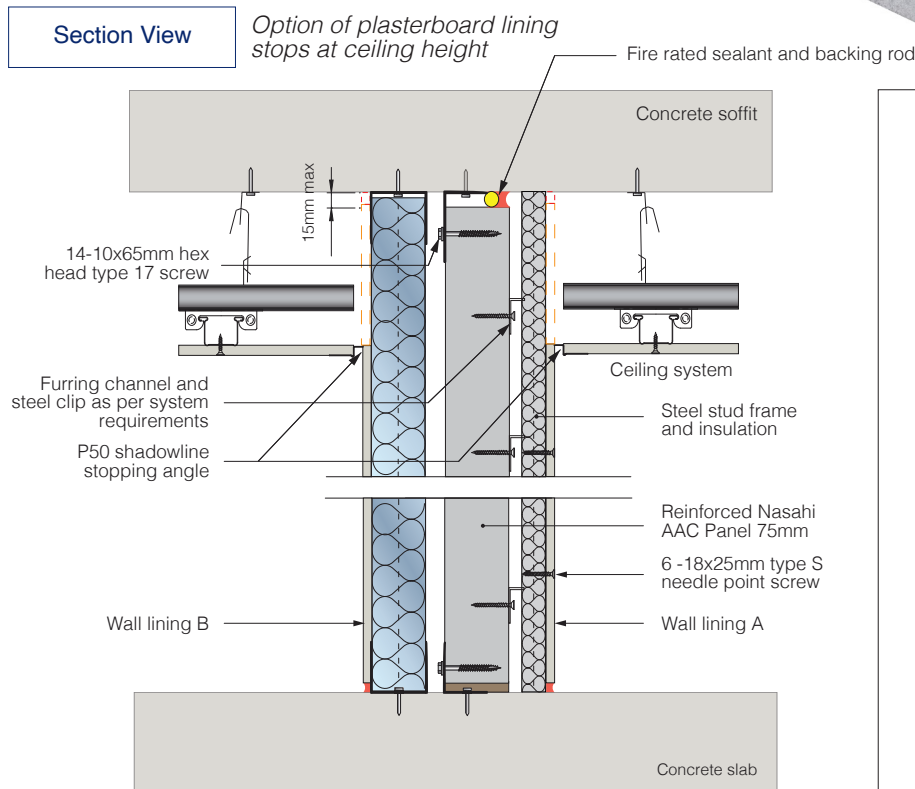
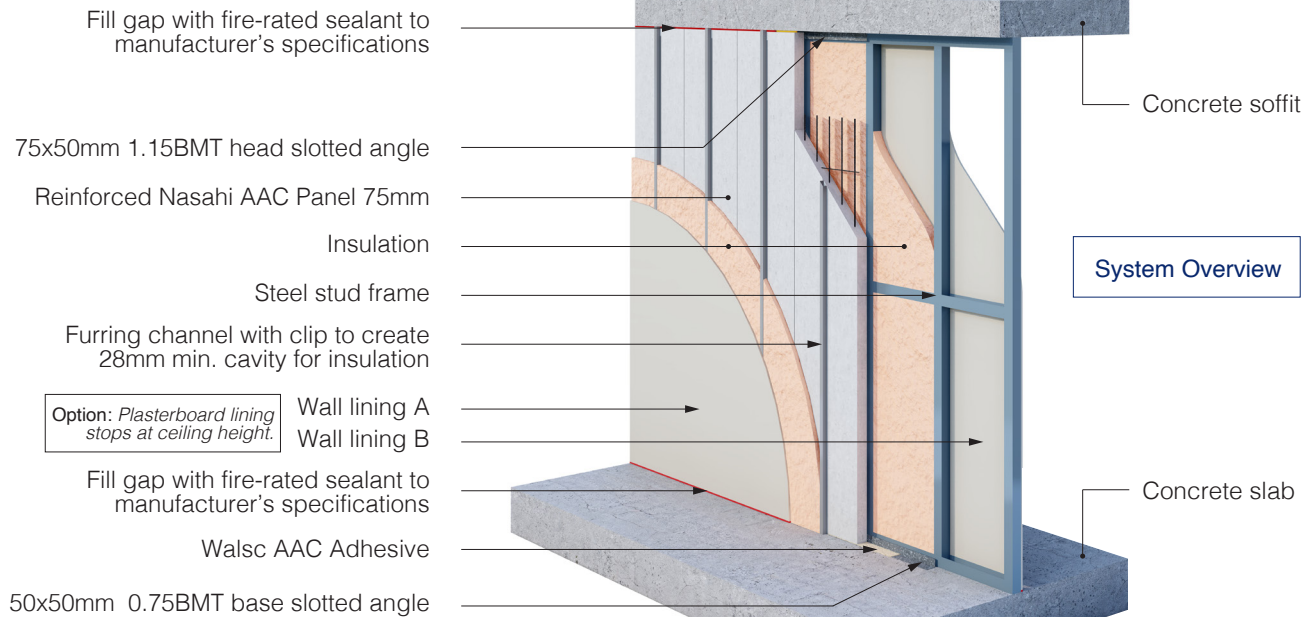


Walsc Internal Wall Systems

Internal Cavity Wall

Option 2: Separate Stud + Reinforced Nasahi AAC Panel + Furring Channel



SYSTEM FEATURES

- ✓ $R_w + C_{tr} > 50$ for walls separating Sole Occupancy Units (SOUs);
- ✓ Discontinuous construction therefore can separate wet areas, lift shaft, plant rooms, etc.
- ✓ Services can be located in the cavity when wall is separating SOU habitable area.
- ✓ 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 | Steel Stud | Insulation | Gap | AAC Panel | Steel Studs | Insulation | Wall Lining B | Wall THK. | FRL | R_w/R_w+C_{tr} |
|---------|---------|--------------------------------------|----------------|----------------|--|--|--------------------------------|----------------|--------------------------------------|-------------|-----------|------------------|
| WIW 20 | Dry/Dry | 13mm Standard Plasterboard | 64mm x 0.50BMT | 75mm Glasswool | 20mm Cavity for Discontinuous Construction | Reinforced Nasahi AAC Panel 75mm Tongue and Groove | Min. 28mm Furring Channel+Clip | 50mm Glasswool | 13mm Standard Plasterboard | 213 mm min. | -/120/120 | 64/50 |
| WIW 21 | Dry/Wet | 13mm Standard Plasterboard | | 75mm Glasswool | | | | 50mm Glasswool | 13mm Moisture Resistant Plasterboard | 213 mm min. | -/120/120 | 65/52 |
| WIW 22 | Wet/Wet | 13mm Moisture Resistant Plasterboard | | 75mm Glasswool | | | | 50mm Glasswool | 13mm Moisture Resistant Plasterboard | 213 mm min. | -/120/120 | 66/54 |

- 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) 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.