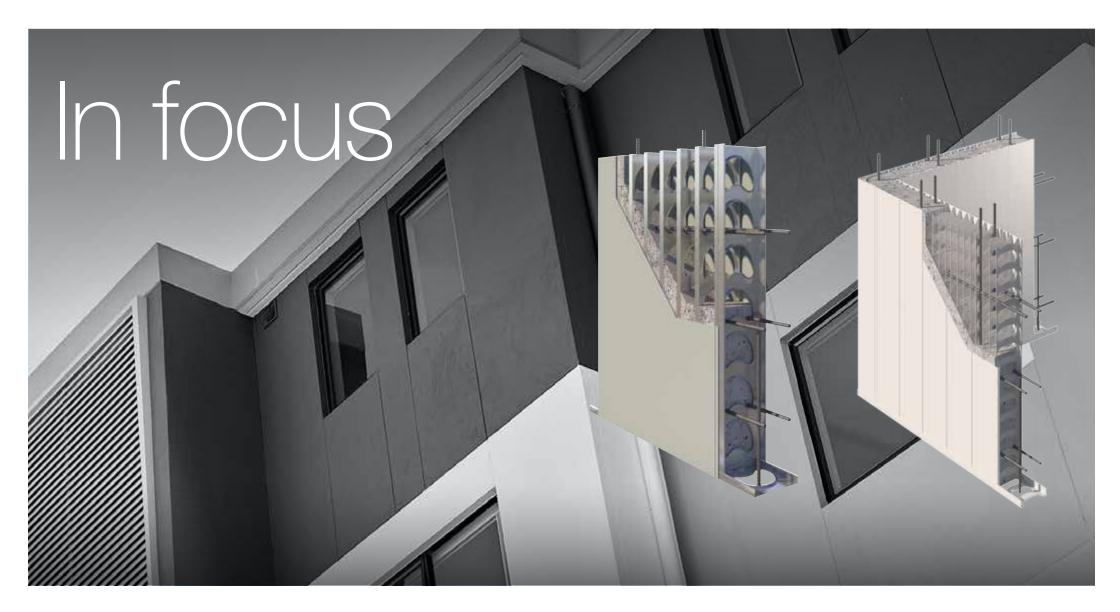


afs logicwall

afs rediwall









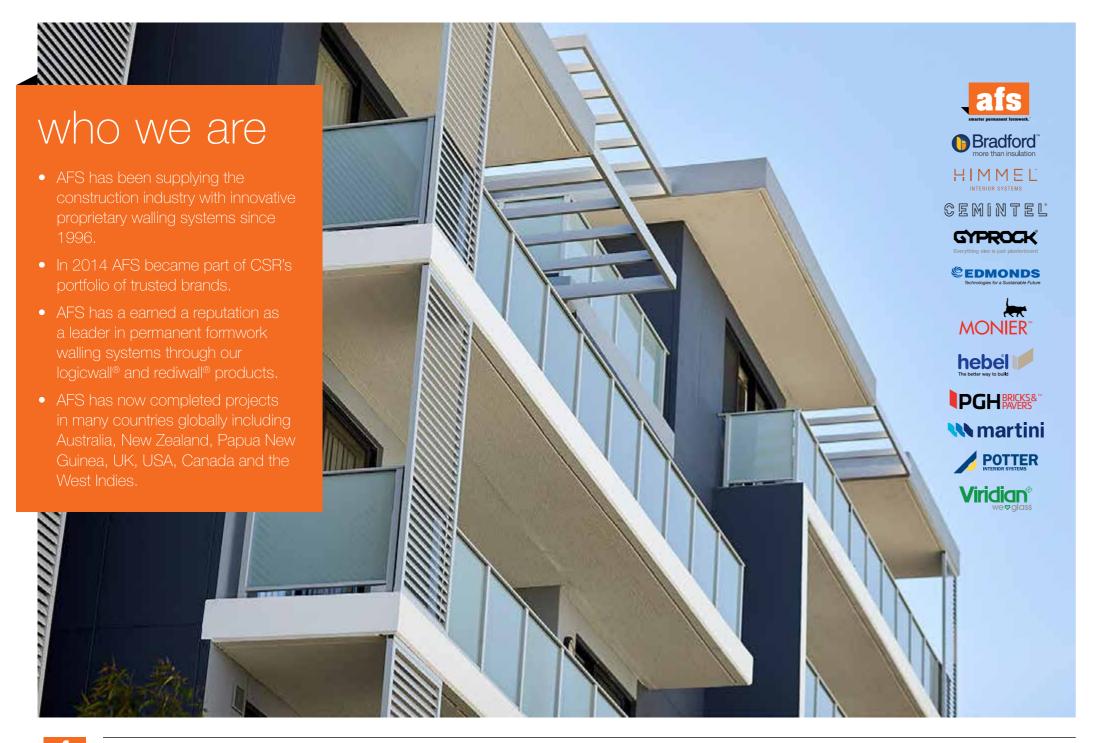




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smarter permanent formwork."









advantages

ideal solution for:

» Basement Walls

» Retention Tanks

» Retaining Walls

» Party Walls

» Foundation Walls

» Service & Stormwater Pits

» Columns

» Planter Boxes

Speed of construction

Ease of installation & materials handling

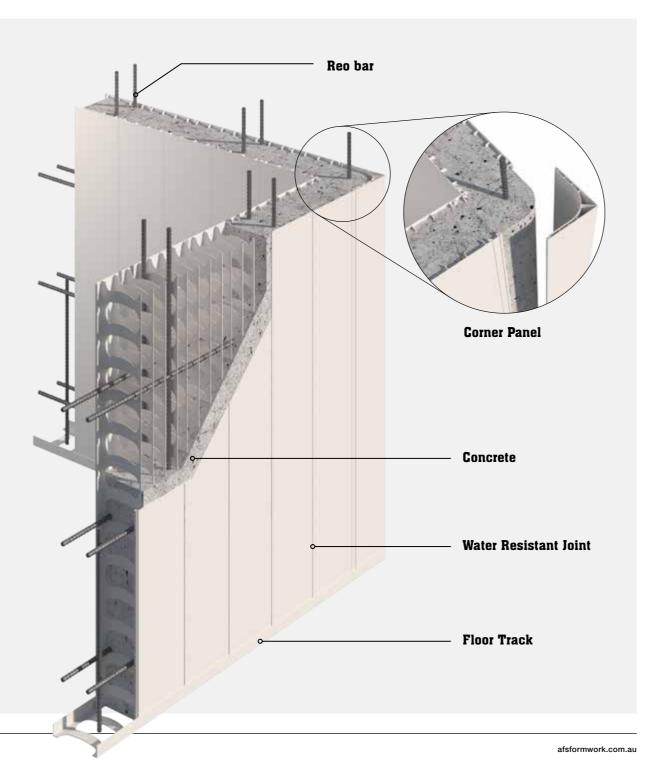
Lightweight durable system

Significant waste reduction

Semi Gloss high quality low maintenance finish

AS3600 and performance compliance

Water resistant



profiles







RW156 (snap together)



RW200 (snap together)



RW256 (slide together)

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Ezy-Fit[™] Corner Panel

Introducing the revolutionary patented Ezy-Fit™ Corner Panel.

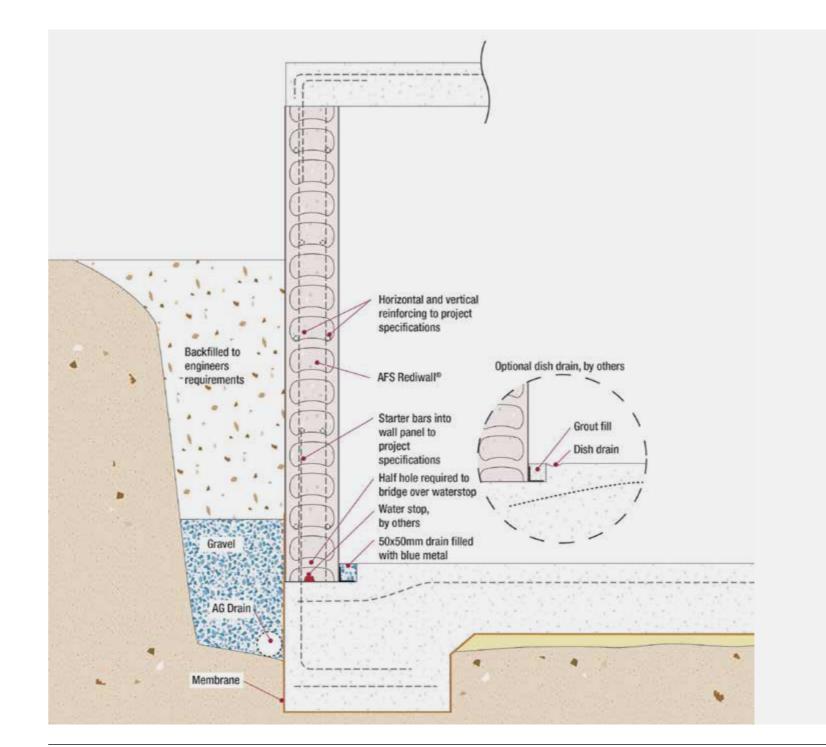
The removable corner cover allows complete unobstructed access for the trouble free installation and inspection of reinforcement bars.





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overview

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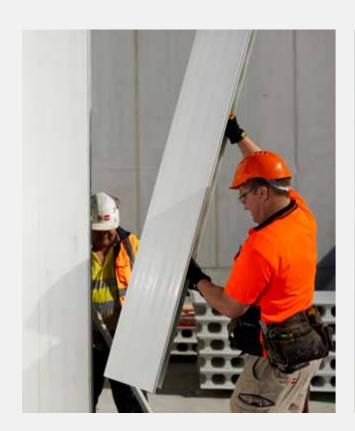
design

afs rediwall ⁰	[®] panels	RW110	RW156	RW200	RW256
MECHAN	IISM	Snap-In	Snap-In	Snap-In	Slide-In
THICKNESS	Overall	110	156	200	256
	Concrete m³/ m²	0.105	0.150	0.195	0.251
APPLICATION		Basements, party wa	Blade Walls		
ACOUSTIC RATING (SCT)		RW 51	RW 57	RW 60	RW 61
		RW + Ctr 44	RW + Ctr 50	RW + Ctr 53	RW + Ctr 54
FIRE RESISTAN	NCE LEVEL	1.5 hours	4 hours	4 hours	4 hours

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rediwall® installation

» Speedy-Snap-In™ Panels for easy installation

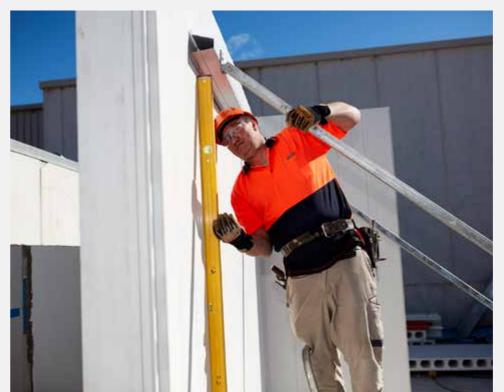






» Bracing

» Core filling







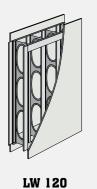
afs logicwall[®] is a permanent formwork system for concrete walling for external and internal walls. It consists of lightweight panels created by bonding hard-wearing fibre cement sheets to galvanised steel stud frames.

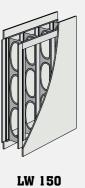


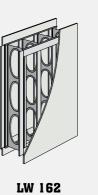
smarter permanent formwork.

system

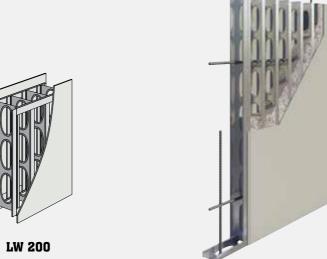
single reinforcement carriers



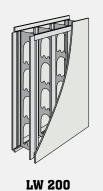


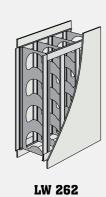


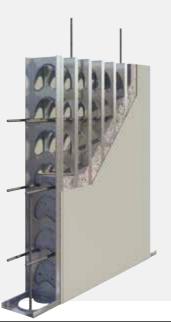




double reinforcement carriers







Blade wall panel for internal and external applications

construction overview

Upper level starter bars to engineer's specification

Concrete floor and reinforcing to engineer's specification

Recessed sheet edges for invisible jointing

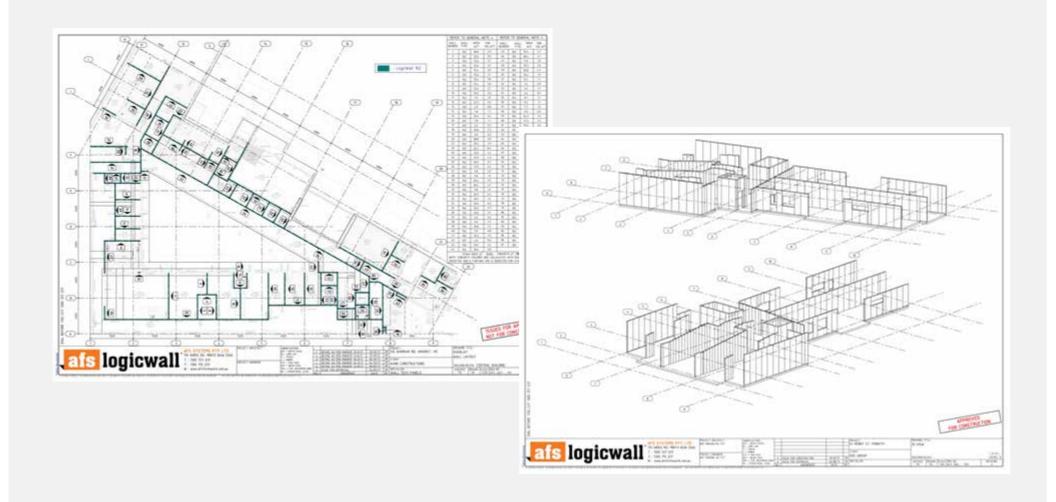
Tape and set recessed sheet joints

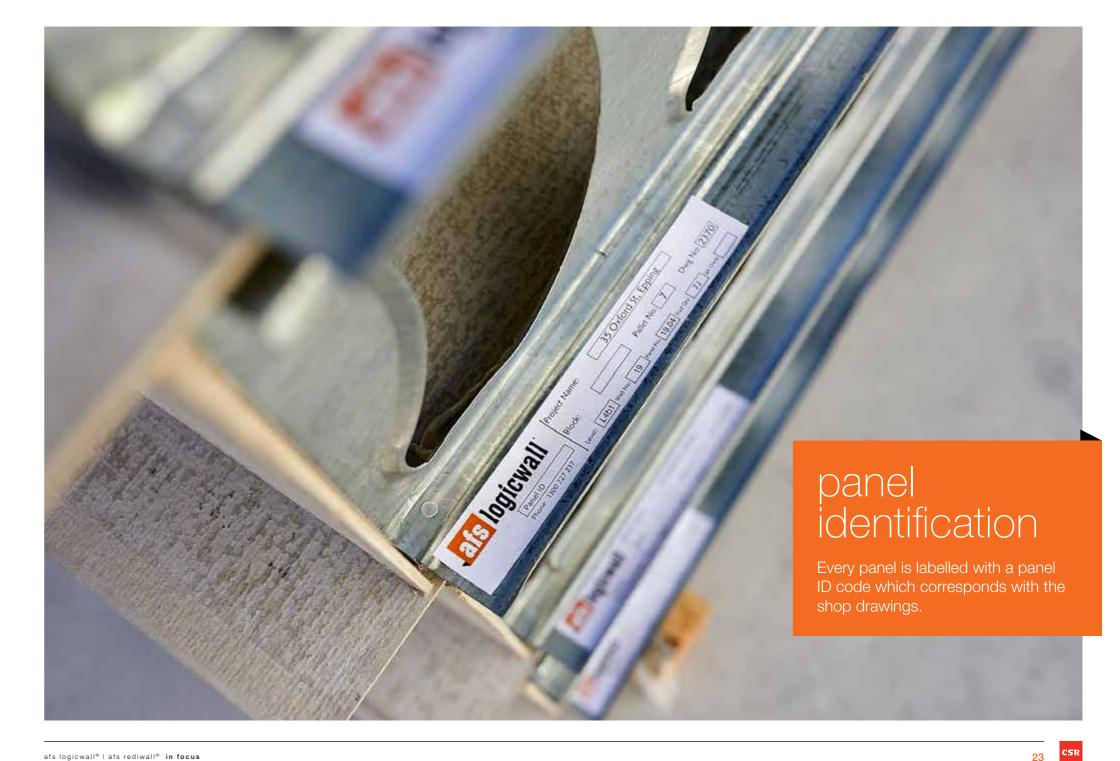
Horizontal reinforcing bars to engineer's specification

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shop drawings

afs logicwall® is a shop-drawn system and is custom manufactured to suit the design of each project.





delivery

afs logicwall® is freighted to site in bulk quantities of up to 400m2 per load.





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installation process

The floor track is fixed to the marked out slab over reinforcement starter bars.

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installation process

The panels are erected by hand in teams of three men using a set technique.







The panel joiner stud is aligned with the standing panel and lowered down over the reinforcement starter bars into place over the floor track.



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panel end cap

Panel end caps are installed on site.



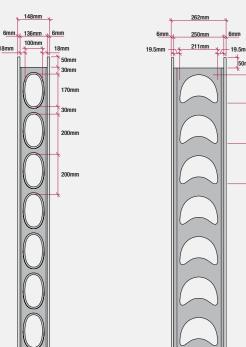






reinforcement

Vertical and horizontal reinforcement bars are placed in the walls to project engineer's specification.



Single Reinforcement (LW 150)

Double Reinforcement (LW 262)

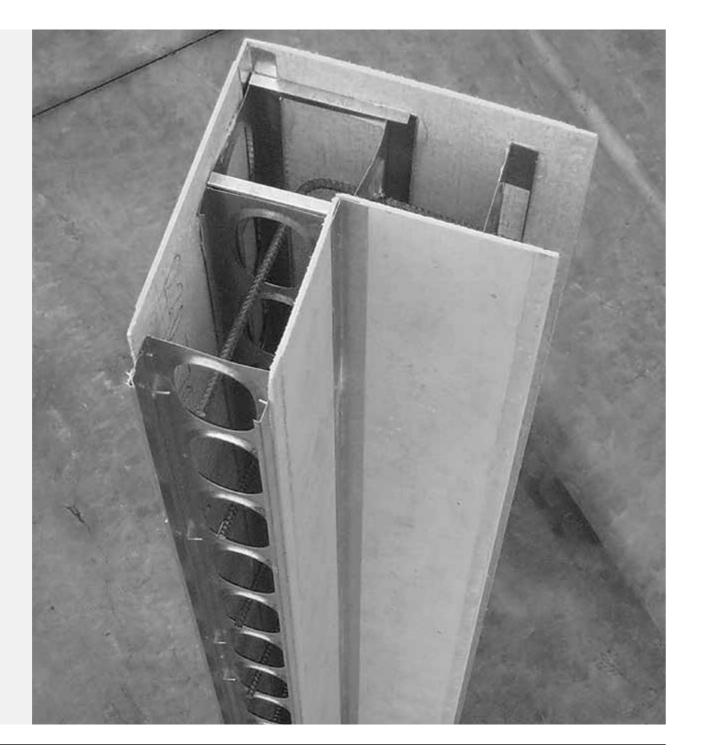


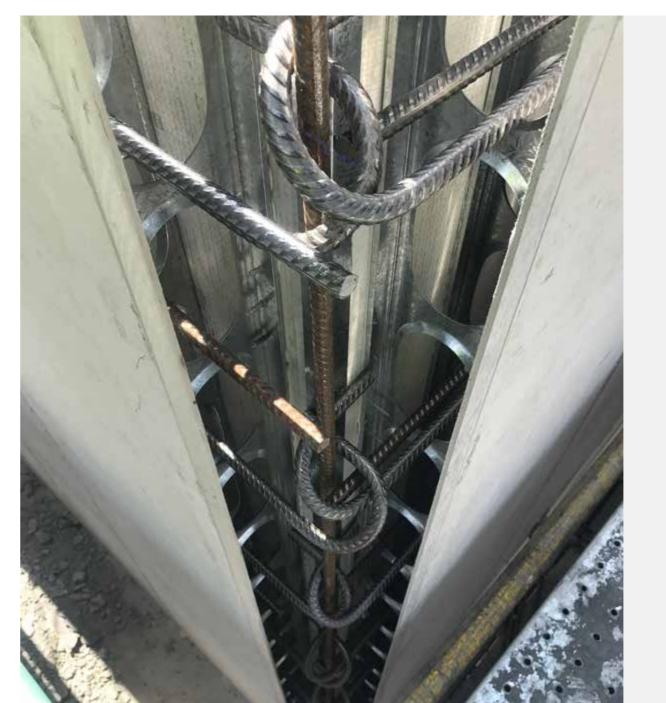


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corner panels

Reinforcement bars can be preinstalled in corner panels at the time of production.





Open corners allow for easy access for installation and inspection of reinforcement placement.

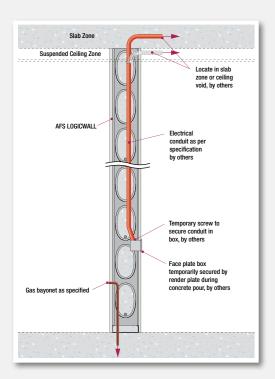


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electrical services

Electrical conduits are installed from the top of the panel prior to core filling.

Electrical boxes are attached to the conduit and secured with a face cover plate.



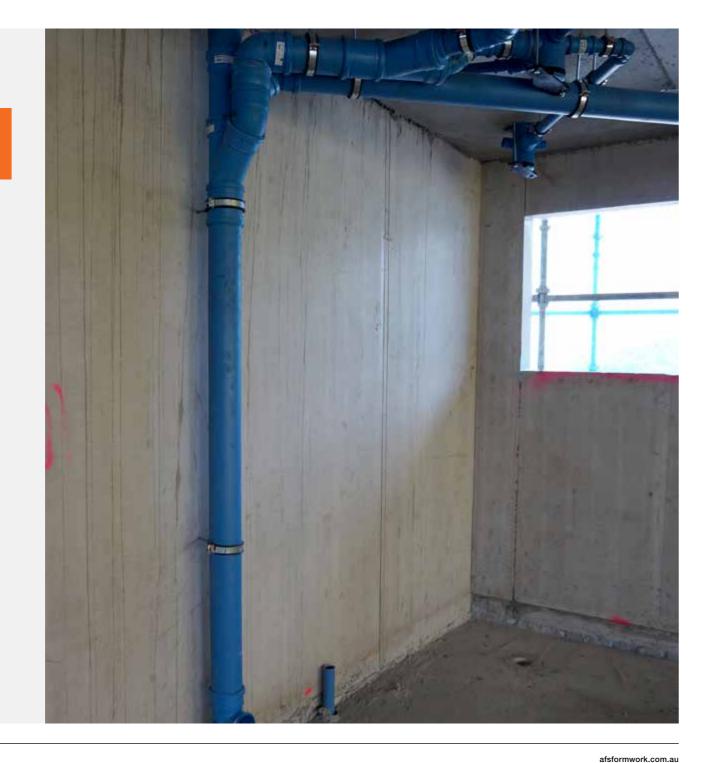




plumbing services

Conduits and pipes for plumbing services are generally attached to the wall which is battened and sheeted.

This is the case for most wet areas in order to comply with 'impact isolation' provisions under the NCC.

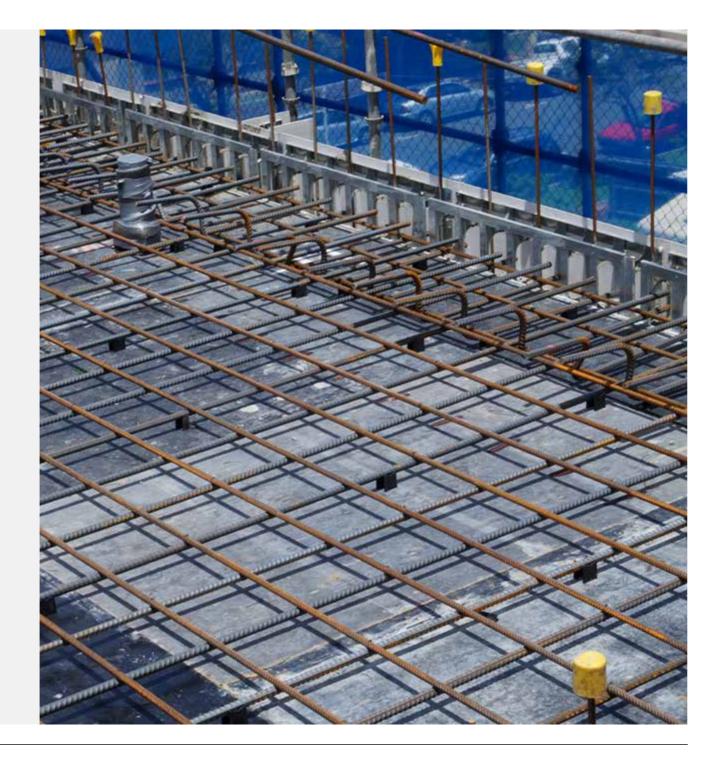




edge form

afs logicwall® provides edge form for external walls and is designed to suit your slab thickness.

This eliminates the need for conventionally formed edge form and there are no exposed slab edges.





floor slab construction

A frames & bearers in place, ready for formwork.







Bondek with afs logicwall®

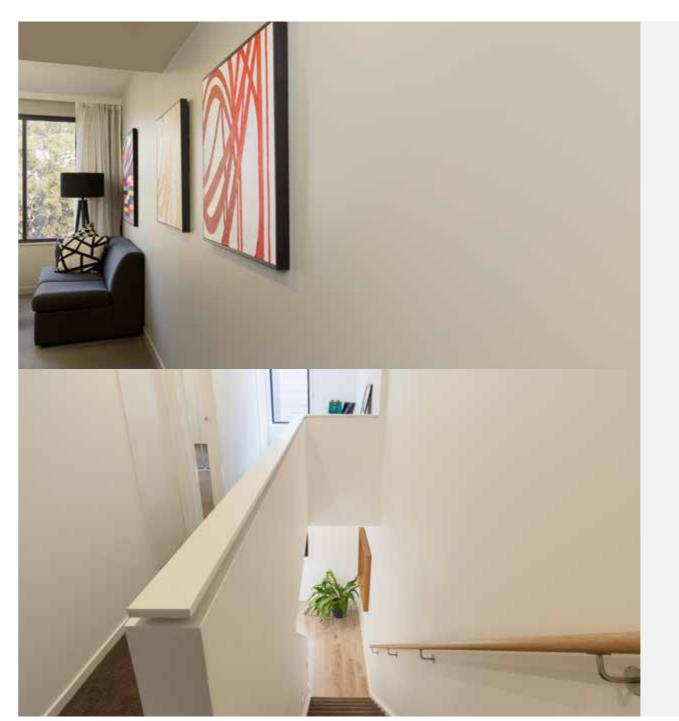


interior wall finishing

Walls can be finished by:

- 1. Joint setting only
- 2. Joint setting and skim coating
- 3. Lining with plasterboard





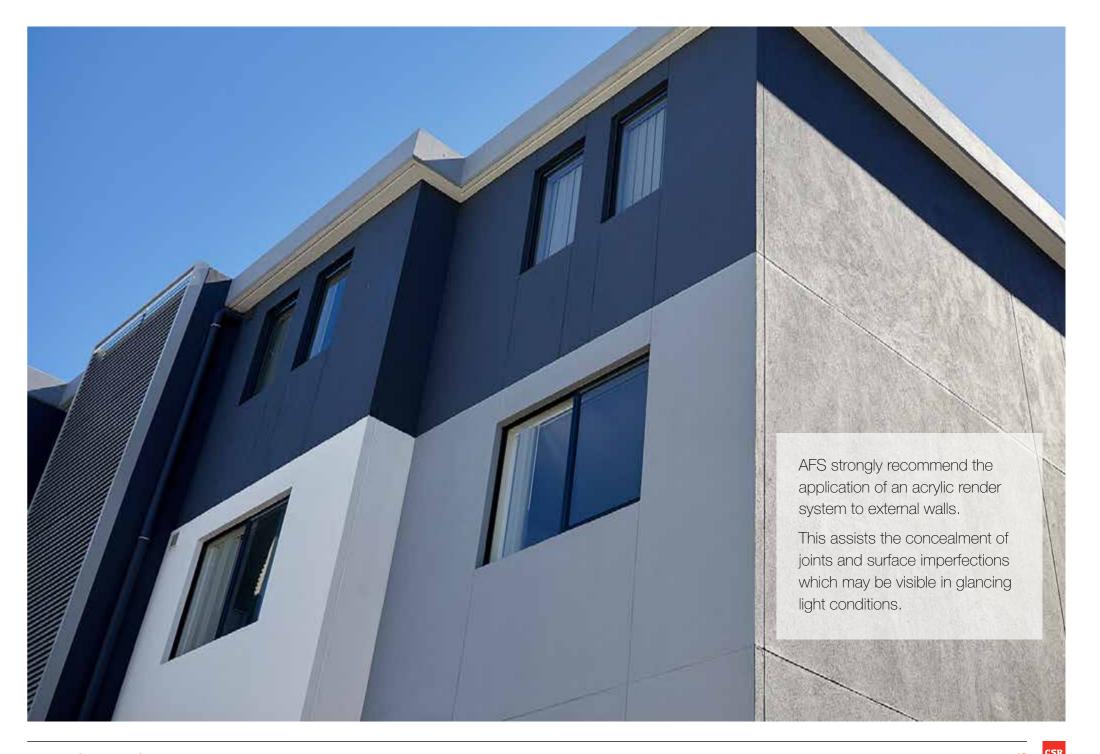
AFS recommend skim coating for walls that are subject to glancing light only.

The walls are then ready for applied finishes and painting with leading brand products to deliver quality masonry-feel walls for a range of applications.

exterior wall finishing

AFS offers several external slab junction details to provide a watertight joint and to suit the architectural design of the building.





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window reveals

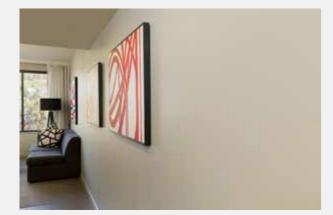
Internal and external window reveal, with commercial window section.





applications

afs logicwall[®] is used for a variety of load-bearing internal and external walls such as:



internal party walls



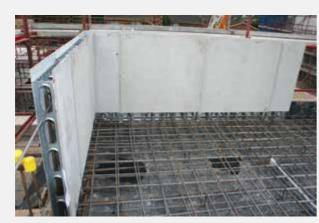
corridor walls



external façade walls in construction



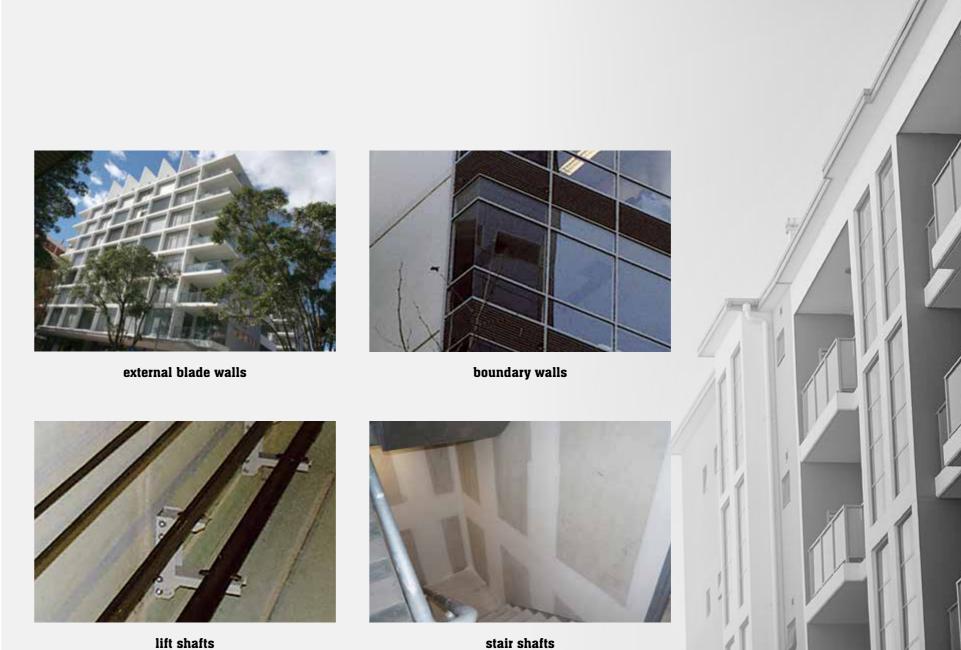
external façade walls



balustrade in construction



balustrades



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		singl	double reo			
WALL TYPE	LW 120	LW 150	LW 162	LW 200	LW 200	LW 262
WALL THICKNESS (mm)	120	150	162	200	200	262
TYPICAL APPLICATION	External facade Battern/sheet party walls Balustrades	External facade Blade walls Stair shafts Corridor walls	Stand alone party walls External facade Blade walls Stair shafts	Lift shafts Stair shafts Columns Stand alone party walls Blade walls	Deep beams Lift and stair shafts Heavily loaded shear walls Blade columns	Lift shafts Stair shafts Shear walls Columns
ACOUSTIC RATING (R _w +Ctr) (field tests) D _{nTw} + Ctr	47 46-42	50 49-45	50 49-45	53 48-52	53 48-52	57 52-50
DESIGN AXIAL STRENGTH (KN/m) Based on 2700 mm high wallsee e=0.05tw	820 (fc = 32MPa)	1195 (f'c = 32MPa)	1715 (f'c = 40MPa)	2290 (f'c = 40MPa)	2290 (f'c = 40MPa)	3095 (f'c = 40MPa)
FILLED WALL MASS (kg/m²)	290	360	394	480	480	630
FIRE RESISTANCE LEVEL	240/240/180	240/240/180	240/240/240	240/240/240	240/240/240	240/240/240



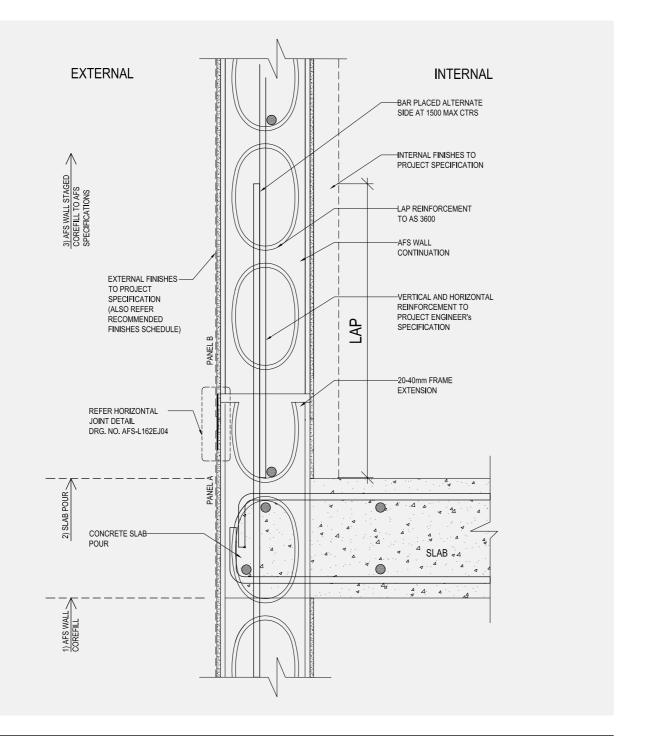


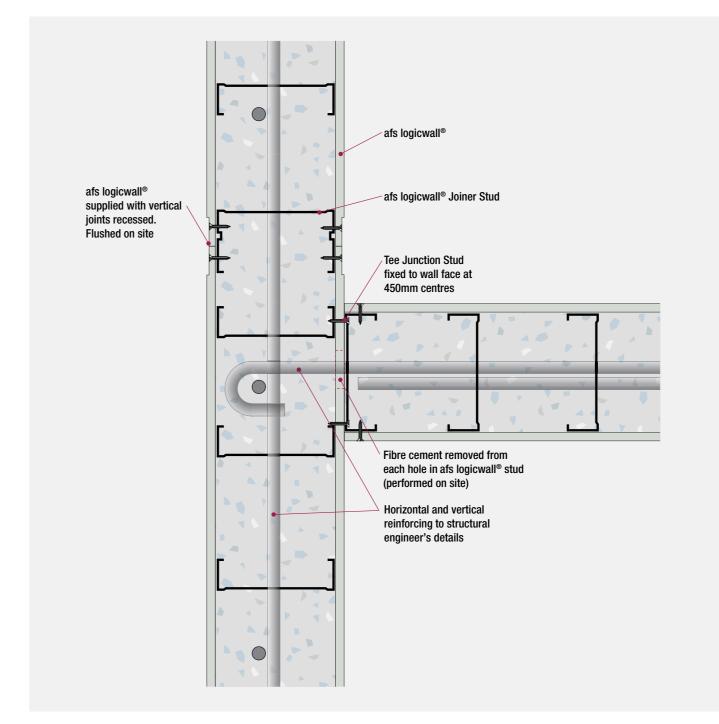
55 CSR afs logicwall® I afs rediwall® in focus

standard details

external wall / slab junction

Trowel on acrylic render and waterproof membrane is applied to the entire wall surface area (by external coating applicator)





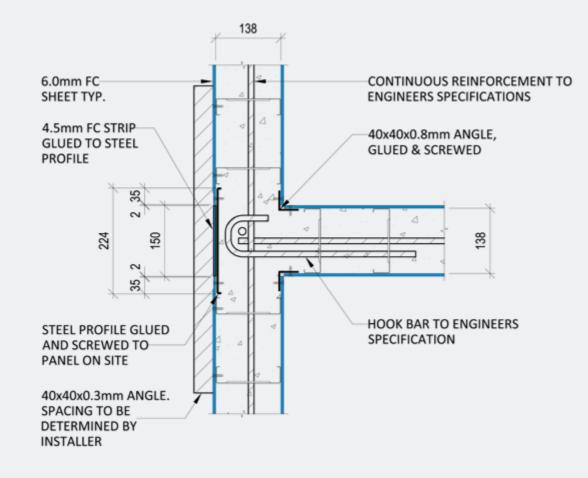
afs logicwall® t-junction

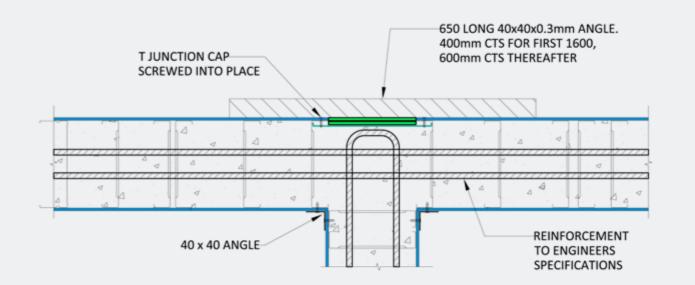
smarter permanent formwo

afsformwork.com.au afs logicwall® l afs rediwall® in focus

standard details

t-junction cap





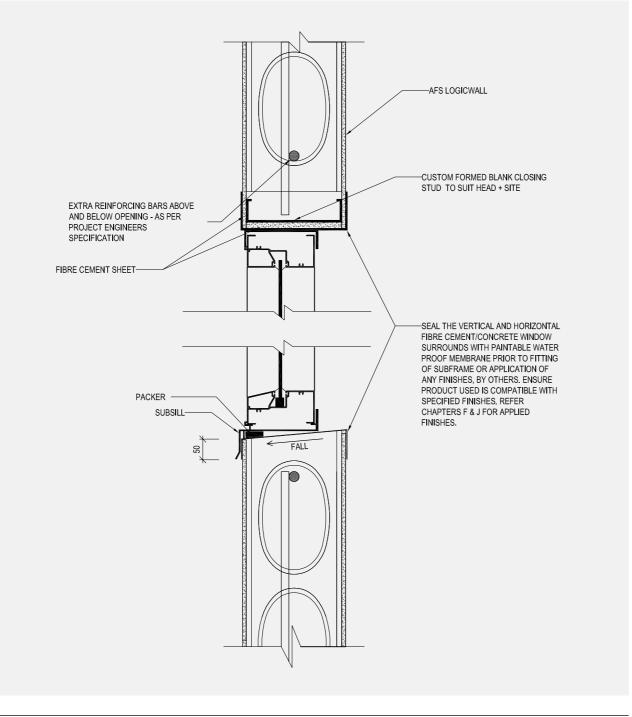
special t-junction detail

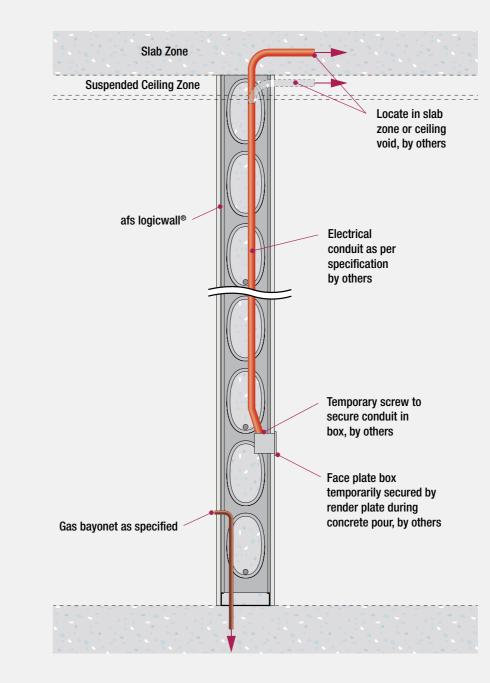
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standard details

external wall / slab junction

Commercial window section





services detail

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benefits

speed of construction

Enoggera Barracks, QLD

360 Units • 3 Levels, 7 Buildings

13,500m² afs logicwall

11 months construction time

AFS were initially contacted by John Holland Group in the search of an ultra-fast and efficient structural walling systems for the LIA Stage 1-3 within the Gallipoli Barracks Army Base in Enoggera QLD

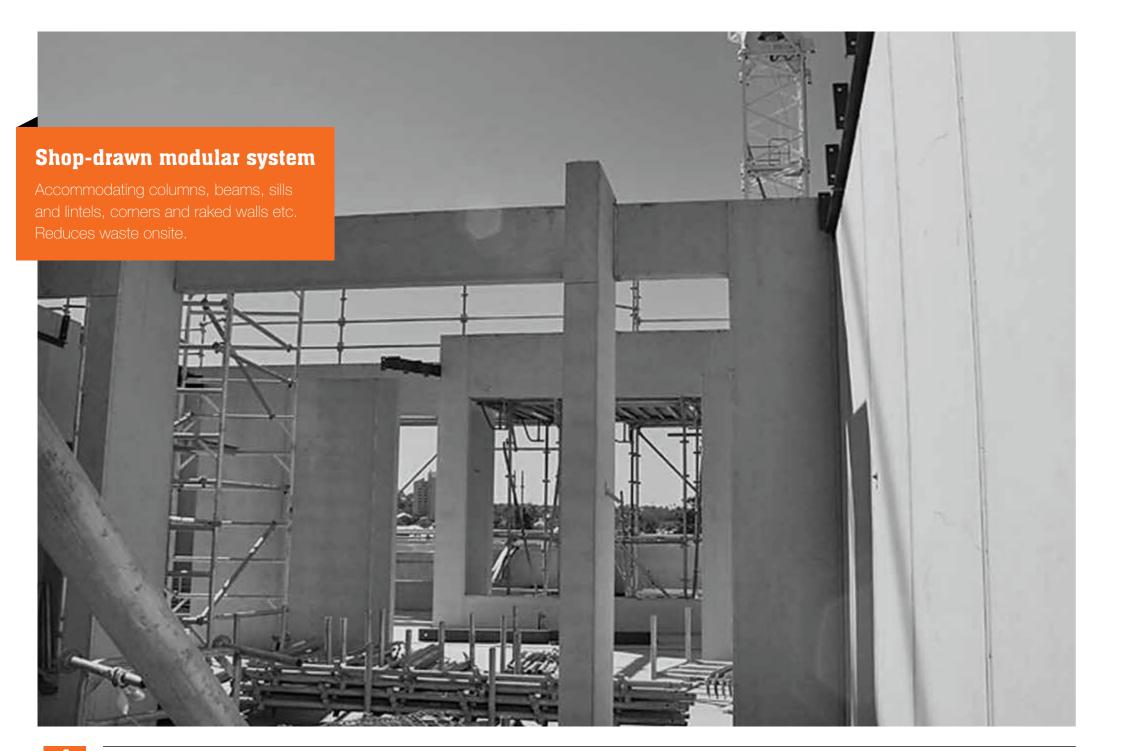
Conventional block work and other walling systems were investigated but afs logicwall® was chosen due to its unique features including:

- Pre-fabricated 90 degree corner panels with inbuilt "L" reo bars providing the necessary bracing for the buildings
- Inherent steel stud framework contributing to the reinforcement
- Water-resistant durable fibre cement face sheeting

AFS were given high commendation by the builder for our contribution to the completion of this project.









superior structural capacity

AFS LOGICWALL

In- 8 Out-of-plane Shear and Bending Testing of the AFS LOGICWALL System

Holmes Solutions

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reports and certification

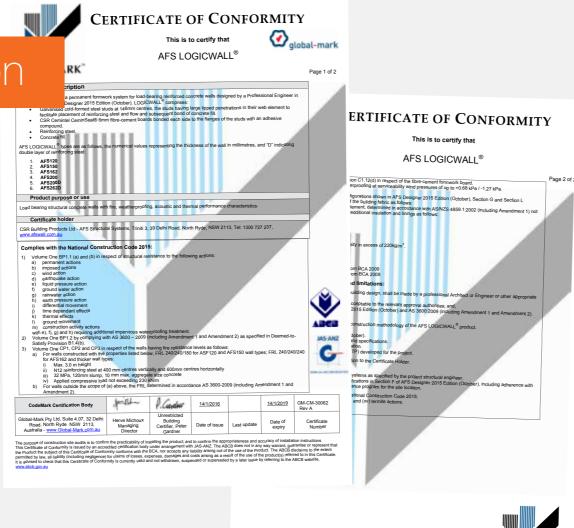
CodeMark Accreditation

afs logicwall® has achieved CodeMark Certification which confirms:

- Durability, fire, weatherproofing, thermal and acoustic performance
- Compliance of end to end process from time of manufacture right through to installation
- Quality Control

Installer Certification

afs logicwall® recommended installers are regularly audited to ensure they are fully proficient in the construction methodology of our afs logicwall® product. At the conclusion of the audit process our recommended installer are issued with a 'Certificate of Installation' confirming that their practices conform with our recommended installation of the product.





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Likely fire performance of AFS

Logicwall systems

Assessment Report

April der halls Report contine 1000-2000 Title 1000-000 2001









Compliance

Unisearch UNSW Report BBA (British Board of Agrement)

Durability

External Export Opinion (Mahaffey & Associates) Internal CSR Corrosion Review

Fire

CSIRO Test Results & Certification External Determination of FRL (Stephen Grubits & Associates)

Acoustics

Acoustic Logic - 150mm Thick Concrete Floor Slabs Acoustic Review

Mould & Mildew

Supplier Performance Statement

Other

NATSPEC

Uni. Canterbury Lateral Load Resistance







the arrapt to

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