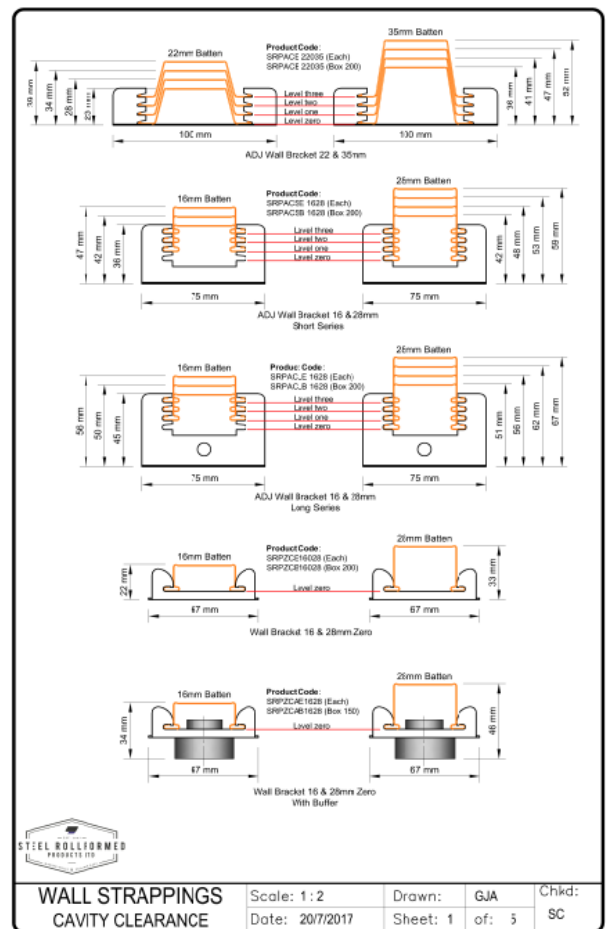# *SRP Wall Strapping System Options & Installation*

SRP Wall Strapping Systems are specifically designed for strapping and lining of concrete/ pre-cast, masonry, block, or brick walls – often the internal side of building external walls, or alternatively exposed concrete internal walls/ pillars.

These above types of substrates are often uneven, and so require levelling-out prior to wall lining (of interior walls), to achieve a reasonable or high-level surface finish. Levelling can be achieved using either one of 4 x SRP Wall Strapping Systems options. SRP Wall Strapping system clips should be securely fixed (using suitable fixings) and checked for alignment prior to fixing plasterboard/ linings.

In many building types, an SRP Wall Strapping System is used to make allowance for other building products/ components which need to be encapsulated within the wall (thickness). These often include insulation, electrical cables, or conduits, plumbing and service pipelines of varying diameter/ dimensions.

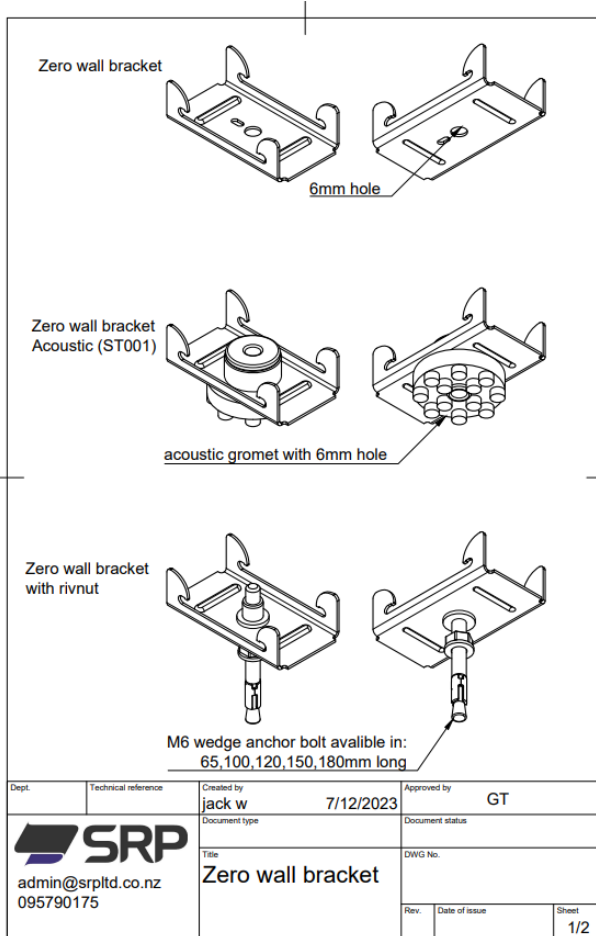## SRP METAL BATTEN & ADJUSTABLE WALL STRAPPING CLIP SYSTEM 1

SUITABILITY: Electrical conduits, SML diameter Service pipelines, insulation
Cavity Range = 22mm > 67mm
(Batten Options: 16, 22, 28, 35mm + 4-Stage Adj. Clips)

WALL STRAPPINGS CAVITY CLEARANCE	Scale: 1:2	Drawn:	GJA	Chkd:
	Date: 20/7/2017	Sheet: 1	of: 3	SC

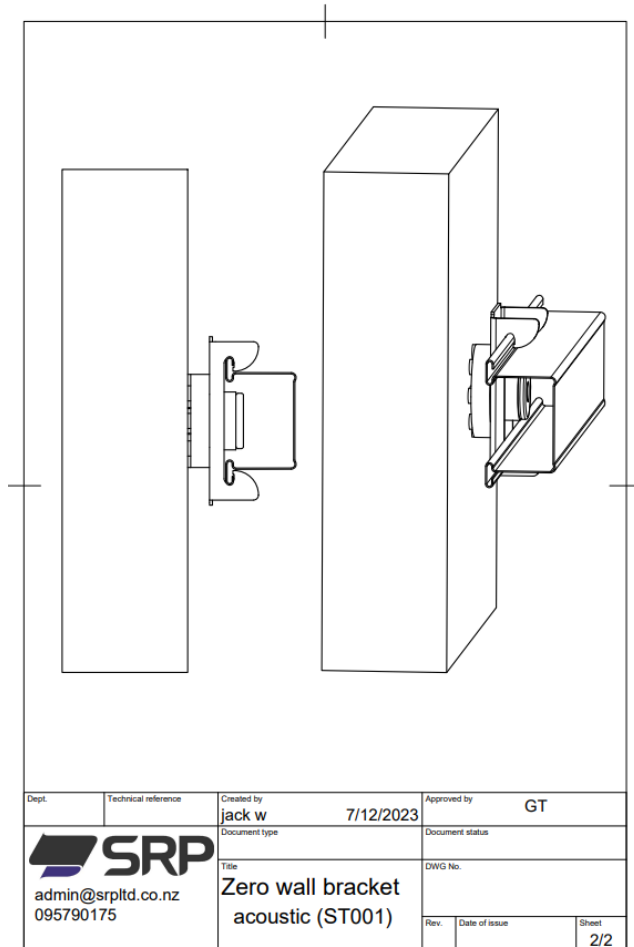## SRP BATTEN & ZERO BRACKET W/ RIVNUT + THREADED ROD SYSTEM 2

SUITABILITY: *Insulated Panel Systems/ External Concrete (fine thread adjustment)*
Cavity Range = 20mm > 141mm (w/ 32mm Wedge Anchor embedment 65 – 150mm bolts)

Zero wall bracket

6mm hole

Zero wall bracket Acoustic (ST001)

acoustic gromet with 6mm hole

Zero wall bracket with rivnut

M6 wedge anchor bolt avalible in: 65,100,120,150,180mm long

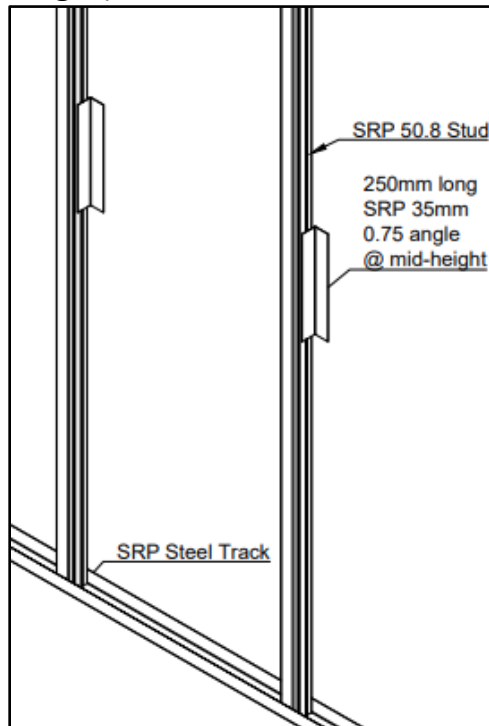| Dept. | Technical reference | Created by jack w | 7/12/2023 | Approved by GT |
		Document type		Document status
admin@srpltd.co.nz 095790175		Title Zero wall bracket	DWG No.	
			Rev.	Date of issue	Sheet 1/2

SRP ACOUSTIC CLIP & METAL BATTEN SYSTEM 3

SUITABILITY: *Electrical conduits, SML diameter Service pipelines, insulation*
Cavity Range = Approx. 40mm>50mm (Some adjustment via rubber thread)
Batten Options: 16mm/ 28mm

Dept.	Technical reference	Created by jack w	7/12/2023	Approved by GT
		Document type		Document status
admin@srpltd.co.nz 095790175		Title Zero wall bracket acoustic (ST001)	DWG No.	
			Rev.	Date of issue	Sheet 2/2

SRP STEEL STUD & TRACK WALL STRAPPING SYSTEM 4

SUITABILITY: *LGE diameter Service pipelines: Plumbing/ Electrical Ducting*

Cavity Range = 51mm > 150mm (steel studs to braced back to wall @ mid height)

Please refer www.srpltd.co.nz for downloadable CAD Details.

Technical Requirements of the NZBC
B 1.3.3 (a) – Self Weight
B1.3.3 (f) – Earthquake
B 1.3.3 (h) – Wind
B 2.3.1 - Durability 50 years
G 6.3.1 – The sound transmission class of walls, floors
SRP Products are manufactured from Z275 Galvanised, G250 Steel - which is non-combustible.

Evidence - Methodology Summary of NZBC Compliance

1. ASNZ4600 (Steel chemical composition, gauge grade tolerance, galvanised coating, testing statistics, yield point etc.

2. NZS4129 (seismic)

3. NZS3404 (fabrication)

4. AS1397 (sheet and strip)

5. AS1538 (cold formed structures)

6. ASZNZ1170 (steel structures)

7. AS/NZS2785 (Suspended Ceilings)

Compliance Pathways
B1/ VM1
An Engineered design is required - this needs to be done by a suitably qualified Engineer, who can also provide a PS-1.

B2 Durability
SRP uses GALVSTEEL® manufactured by New Zealand Steel. The continuous hot-dip galvanized Zinc coating conforms to the industry standard required for this application; Z275 (275 g/m2 total). New Zealand Steel made GALVSTEEL® for framing is backed by a 50-year Durability Statement to demonstrate compliance with NZBC Clause B2-Durability, when used and maintained as referred to in the current New Zealand Steel's Durability Statement.

G6 Airborne
G6/ AS1
Criteria – Design Guidelines

Please contact Steel Rollformed Products Ltd - for Design Assistance, or visit www.srpltd.co.nz

An Engineered design is often required - this needs to be done by a suitably qualified Engineer, who can also provide a PS-1.

Please refer SRP Wall Systems/ Ceiling Systems Handbook for installation requirements or visit www.srpltd.co.nz

Installation Requirements

Please refer to SRP Wall Systems or SRP Ceiling Systems Handbooks (pdf).

For SRP Wall & Ceiling System Installation instructions/ downloadable CAD details refer: www.srpltd.co.nz

Maintenance

No maintenance required - SRP Galv. Steel products/ systems are typically concealed (within walls/ ceilings), once installed.

Scope of use
This varies between SRP Products/ systems… please refer to individual SRP product installation instructions via SRP website.