SPECIFICATION

of work to be done and materials to be used in carrying out the works shown on the accompanying drawings

~

(project name)

~

(project address)

~

(owners name)

Job Number: ~

Date: ~

5211PP POTTER ALUMINIUM INTERNAL PARTITIONS

1.   GENERAL

This section relates to the supply and installation of **Potter Interior Systems** aluminium internal partitioning.

1.1   RELATED WORK
Refer to 5211P POTTER STEEL STUD FRAMING for light steel framing.

1.2   ABBREVIATIONS AND DEFINITIONS
The following abbreviations are used throughout this part of the specification:

BMT	Base Metal Thickness
FRR	Fire Resistance Rating
STC	Sound Transmission Class
AWCINZ	Association of Wall and Ceiling Industries of New Zealand

Documents

1.3   DOCUMENTS
Refer to the general section 1233 REFERENCED DOCUMENTS. The following documents are specifically referred to in this section:

AS/NZS 1170.1	Structural design actions - Permanent, imposed and other actions
NZS 1170.5	Structural design actions - Earthquake actions - New Zealand
AS/NZS 1866	Aluminium and aluminium alloys - Extruded rod, bar, solid and hollow
AS/NZS 2588	Gypsum plasterboard
AS/NZS 2589	Gypsum linings - Application and finishing
NZS 3404.1:1997	Steel Structures Standard
NZS 4219	Seismic performance of engineering systems in buildings
NZS 4223.1	Glazing in buildings - Glass selection and glazing
AS/NZS 4600	Cold-formed steel structures
ISO 140	Acoustics - Measurement of sound insulation in building and of building elements - Part 4: Field measurements of airborne sound insulation between rooms
ISO 9001:2000	Quality management systems - requirements

1.4   MANUFACTURER'S DOCUMENTS
Manufacturer's and supplier's documents relating to work in this section are:
Potter Interior Systems aluminium partitions specifiers manual
Standard specification for Potter aluminium systems
USG Steel stud and track system
Copies of the above literature are available at Potter Interior Systems:

Web:	www.potters.co.nz
Email:	info@potters.co.nz
Telephone:	0800 POTTER (0800 768 837)
Facsimile:	09 579 5661

Requirements

1.5   NO SUBSTITUTIONS
Substitutions are not permitted to any specified system, or associated components and products.

1.6   QUALIFICATIONS
Work to be carried out by tradespeople experienced, competent and familiar with the materials and techniques specified.

1.7   ACCEPTABLE INSTALLERS
Use only accredited workers/installers skilled and experienced in the building system specified. Provide evidence of experience, listing completed projects of similar size and complexity.

1.8   SHOP DRAWINGS
           Provide shop drawings for review. Shop drawings to show, but not be limited to:
           - Plans of each floor showing all essential elements and dimensions.
           - Elevations of all partitions indicating type, individual materials and finishes.
           - Details of all junctions within the partitioning system and between the partitions and
             surrounding elements.
           - Details of all fixing methods and systems.
           - Confirmation of all required fire and acoustic ratings, including associated baffles to
             ceiling/floor spaces.
           - All associated services.
           - All hardware and accessories.

           Refer to the general section 1235 SHOP DRAWINGS for the requirements for submission
           and review and the provision of final shop drawings.

1.9   SAMPLE SECTION
           Erect a sample section of the partitioning system. Subject to confirmation in writing, the
           sample section may form part of the completed installation.

           Performance

1.10   LOADING CODE REQUIREMENT
           To AS/NZS 1170.1, NZS 1170.5, AS/NZS 4600, NZS 4219, NZS 3404.1.

1.11   LOAD-CARRYING MEMBERS
           Select sections that will satisfy the transverse, dead and live load requirements by
           complying with the manufacturer's design data. To AS/NZS 1170.1.

1.12   FIRE RATING REQUIREMENT
           Refer to appropriate lining board manufacturer's technical literature for detailed
           instructions on installation of fire-rated drywall systems.

1.13   ACOUSTIC REQUIREMENT
           To ISO 140. Include all openings and penetrations and ensure absence of adjoining leak
           paths. Refer to appropriate lining board manufacturer's technical literature for detailed
           instructions on installation of acoustic drywall systems.

1.14   CERTIFICATION
           Provide certificates and other evidence that the system complies with the standards of
           performance specified.

2.   PRODUCTS

           Materials

2.1   ALUMINIUM FRAMED PARTITIONS
           Alloy designation to comply with AS/NZS 1866. Aluminium sections branded and
           extruded for anodising or powder coating. Door sections complete with PVC or vinyl
           inserts. Glazing frames complete with glazing gaskets. Refer to SELECTIONS.

2.2   STEEL FRAMING
           Manufactured in New Zealand to ISO 9001:2000 by USG Interiors Pacific Ltd.

           Consisting of studs, track, nogs and opening trims of precision roll-formed galvanized
           0.50/0.55 BMT minimum gauge steel sections. Stud webs to have pre-punched coined
           holes for services. Refer to SELECTIONS for type and size.

2.3   POTTERS DS SERIES ALUMINIUM DOORS AND FRAMES
           Refer to SELECTIONS.

2.4   TIMBER DOORS AND FRAMES
           Refer to section 5231 INTERIOR DOORS AND WINDOWS.

2.5 RESILIENT CLIP AND CHANNEL
ST-001NZ resilient sound insulation clip and USG FC37 furring channel for sound rated systems.

2.6 GLASS
Refer to glazing sections.

2.7 LININGS
To AS/NZS 2588. Refer to SELECTIONS for type, thickness and finish.

2.8 INSULATION
Refer to SELECTIONS for type and thickness.

Components

2.9 GLAZING GASKETS
Thermoplastic rubber.

2.10 SETTING BLOCKS
Neoprene 80-90 Shore hardness, set at quarter points. All to comply with NZS 4223.1, section 105.6.

Components

2.11 SCREWS TO STEEL FRAMING
Refer to steel stud framing systems installation manual for screw fixing data tables, application and recommended screw and sizes.

Accessories

2.12 ACOUSTIC SEALANT AND CAULKING
Acoustic sealant and caulking to ISO 140.

3. EXECUTION

Conditions

3.1 DELIVERY
Keep components dry in transit. Take delivery of all components dry and undamaged. Reject all damaged materials.

3.2 SITE CONDITIONS
Do not begin installation until the building is closed in, fully glazed and the roof weathertight.

3.3 STORAGE
Store materials and accessories on a level, firm base, in dry conditions, well ventilated, out of direct sunlight and completely protected from weather and damage. Ensure storage areas are away from current work areas. Cover to keep dry until fixed.

3.4 HANDLING
Avoid distortion and contact with potentially damaging surfaces/substances. Do not drag components across each other, or across other materials. Protect edges, corners and surfaces from damage.

3.5 ADJOINING SURFACES
Do not commence work until the adjoining structure and/or surfaces are of a standard required by the manufacturer for the specified installation; plumb, level and in true alignment.

3.6 SETTING OUT
Set out the partitioning work true to line and square, before starting erection.

3.7 PROTECT
Protect surfaces, cabinetwork, fittings, equipment and finishes already in place from the possibility of damage during the building process.

Application

3.8 INSTALLATION GENERALLY
Fabricate and install in accordance with Potter Interior Systems installation instructions.

3.9 PARTITION ERECTION
Set out true to line and square before commencing erection. Carry out all fixing, erection and fitting to finish rigid, plumb, square and true to line and face. All to Potter Interior Systems installation instructions.

Fit floor and ceiling channels square and true to line. Butt joint corners and intersections. Before fixing apply suitable barriers of bituminous coatings, stops or underlays between dissimilar metals in contact, or between aluminium in contact with concrete.

3.10 STEEL STUD AND TRACK SECTIONS
Fix, erect and fit to finish rigid, plumb, square and true to line and face to the USG steel stud framing systems installation manual.

3.11 NOGGING TO STEEL FRAMING
Screw or crimp nogging to both flanges of the studs where required to manufacturer's steel stud framing systems installation manual. Confirm with manufacturer that individual nogging may be cut from continuous lengths.

3.12 DRILLING TO STEEL FRAMING
Drilling to stud framing systems installation manual. Where extra service holes are required they may be positioned using a hole saw or similar and fit grommets. Additional service holes should be positioned as close as practical to the centreline of the stud.

3.13 LINING
To AS/NZS 2589. Fix and finish lining boards to manufacturer's recommendations.

3.14 POTTER DS SERIES ALUMINIUM DOORS AND FRAMES
Install in accordance with Potter Interior Systems installation requirements, complete with all hinges, Potter sliding door gear and door furniture as specified.

3.15 GLAZING
Install in accordance with Glazing Manufacturer's installation instructions.

3.16 PLUMBING AND ELECTRICAL SERVICES
Fix, erect and fit to Manufacturer's installation instructions.

Completion

3.17 REPLACE
Replace damaged or marked elements.

3.18 LEAVE
Leave installation free of any marks or blemishes. Leave all work to the standard required following procedures.

3.19 REMOVE
Remove debris, unused materials and elements from the site.

3.20 MAKE GOOD
Make good damage to surrounding surfaces.

4. SELECTIONS

Performance

4.1 FIRE RATED SYSTEMS
FRR: ~ / ~ / ~ minutes
Location: ~

4.2 ACOUSTIC RATED SYSTEMS
STC: ~
Location: ~

4.3 RESILIENT CLIP AND CHANNEL
Clip: ST-001NZ resilient sound insulation clip
Channel: USG FC37 furring channel
Location: ~

Materials

4.4 POTTER ALUMINIUM FRAMED PARTITIONS
System: ~
Stud Size: ~mm
Aluminium Track type: ~

Lining thickness: ~mm
Finish: ~
Colour: ~

4.5 ALUMINIUM SCREW FIXED SKIRTING
Skirting type: ~
Skirting height: ~mm
Finish: ~
Colour: ~
Location: ~

4.6 GLAZING
~

4.7 DS SERIES ALUMINIUM DOORS AND SLIDERS
System: ~
Style Size: ~mm
Finish: ~
Colour: ~
Location: ~

4.8 TIMBER DOORS
~

4.9 DOOR HARDWARE AND FURNITURE
~

4.10 USG STEEL STUD AND TRACK SECTIONS
Width size: ~mm
Stud Type: ~
Stud Thickness: ~mm BMT
Track depth: ~mm
Track Thickness: ~mm BMT

4.11 STEEL TRACK FASTENERS
Number of fasteners: ~ per 600mm centres
Number of fasteners: ~ per 1200mm centres for ceiling grids
Fastener type: ~

4.12 FLEXIBLE WALL TRACKS
Track Type: Flex C Trak
Width size: ~mm

| | | Thickness: | 0.55mm BMT |

4.13   **INSULATION**
Brand: ~
Thickness: ~

4.14   **LINING**
Brand: ~
Type: ~
Thickness: ~mm
Finish: ~