***GUIDE SPECIFICATION - METINNO ALUMINIUM PARTITIONING SYSTEM***

1. **GENERAL**

**1.1 Scope of Work**

Provide all materials, labour and equipment for the installation of the ***Metinno Aluminium Partitioning System*** components where indicated on project specific documentation including drawings and schedules.

Provide components of the following systems (strike out what is not applicable from the list below as appropriate for project specific conditions):

* ***Metinno 1000 Series***
* ***Metinno 2000 Series***
* ***Metinno 2000D Series***
* ***Metinno 3000 Series***
* ***Metinno 5100 Series***
* ***Metinno 5200 Series***
* ***Metinno 7000 Series***
* ***Metinno 9000 Series***
* ***Metinno 9000C Series***
* ***Metinno 9000D Series***

Refer to ***Metinno Product Portfolio*** Technical Guide for a complete list of partitioning system types using centreline, frontline and offset glazing methods in thicknesses of 32mm, 45mm and 55mm profiles.

Once selected, the partitioning system is to be used with the associated framing system covering range of 64mm 76mm and 92mm stud thicknesses.

The proposed installation is to consist of the following components:

* Selected glazed (specify here or schedule in project specific schedules).
* Manufactured partitioning installed in prepared locations and fixed to building structure in accordance with reviewed shop drawings where required.
* Install to reviewed submission of samples, technical data, and in accordance with published information within the***Metinno Product Portfolio.***

Note that the system is non-structural and is not to carry superimposed loads.

**1.2 Coordination**

Coordinate installation with adjacent building components and services including but not limited to the following trade sections (adjust to suit project conditions):

* *General Requirements*
* *Partitioning and Wall Linings*
* *Concrete and Concrete Finishes*
* *Ceiling Finishes* such as Suspended Ceilings etc.
* *Floor Finishes* types of trade sections such as carpet, vinyl floor linings etc.
* Other trade sections to suit project specific conditions

**1.3 Technical Manuals**

This guide specification is prepared with reference to specific components of product manufacturer’s technical publication and project specific requirements such as sound rating performance levels and compliance with *Australian Standards* and specific components of the *National Construction Code.*

For more technical information refer to *Metinno* technical publications within the ***Metinno Product Portfolio***available at [www.adxarchitectural.com.au/resources](http://www.adxarchitectural.com.au/resources).

1. **MATERIALS AND COMPONENTS**

**2.1 General**

Provide all materials listed within the product manufacturer’s technical publication and install in accordance with manufacturer’s technical information and to approved shop drawings.

Refer to *Metinno* technical publications within the ***Metinno Product Portfolio*** and *Australian Standards.*

Refer specifically to access provisions of the *National Construction Code.*

**2.2 Components Schedule**

|  |  |  |  |
| --- | --- | --- | --- |
| **Partitioning System**  | **As Per Drawing / Location and frame thickness** | **Glazing type and glass type** | **Comments** |
| Metinno 0000 Series  |  | Centre or otherwise glazing |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**2.3 Standards**

Refer to and conform with all *Australian Standards*, e.g. the following referenced, as applicable to project specific requirements and confirm as submission of shop drawings:

* Glass type and thickness: To AS 1288, where no glass type or thickness is nominated.
* For Glass type and thickness refer to Table 4.1 AS 1288 and to AS/NZS 4667.
* Glass thickness may be governed by human safety and other requirements – see AS 1288 Section 5. The commonly available thicknesses of various glasses are shown on the wind pressure figures of AS 1288, Section 4.
* Show or specify a thickness where:
* The glass is to be thicker than required by AS 1288 or applicable regulations.
* There are unusual conditions requiring detailed calculations for which the designer should be responsible.
* In other cases the determination of thickness is usually within the competence of the glazing contractor.
* Where thickness is determined by loading from wind actions, the ‘design wind pressure’ needs to be known in order to interpret the figures and tables of glass sizes and thicknesses in AS 1288.
* Design wind pressure: To AS/NZS 1170.2 or AS 4055 as appropriate.
* Materials and installation: To AS 1288.
* Quality requirements for cut-to-size and processed glass: To AS/NZS 4667.
* Terminology for work on glass: To AS/NZS 4668.
* Any other standards that are project specific.

Standards listed are deemed to be fully incorporated into this specification.

**2.4 Design**

Provide shop drawings with direct reference to associated components selected form the ***Metinno Product Portfolio*** publication for design review.

Ensure that all components meet the access requirements and conditions as applicable to project statutory requirements and to attached reports as listed within the architectural documentation.

1. **METINNO ALUMINIUM PARTITIONING SYSTEM**

**3.1 General**

Shop drawings may be required, further details are clarified under Section 4: Submissions.

Provide *Metinno* aluminium framed glazed partitioning system consisting of aluminium framing components meeting the product manufacturer’s specifications for structural adequacy and meeting listed performance levels.

Where partitioning is installed in conjunction with other type of partitioning, fully coordinate the installation with supporting data in form of shop drawings.

Refer to project specific information on the required sound rating and provide additional sound rated components as per the product manufacturer’s specifications and meeting the listed sound attenuation levels.

**3.2 Performance**

Provide all necessary inspections and hold points during the construction process to ensure adequate quality control measures and that project specific conditions are being met.

Where additional performance levels are required, coordinate proposed work with project specific requirements and conditions.

Obtain confirmation from the *Contract Administrator* prior to commencing.

**3.3 Plasterboard**

For adjacent stud wall framing provide wall linings. Provide 13mm thick plasterboard wall lining of the type required by project conditions such as impact resistant and having finishes as listed on project specific *Finishes Schedule*.

Refer to *National Construction Code* and *Australian Standards* for provision of required finish to plasterboard and ensure compliance with the *Level of Finish* shown on project specific schedules.

**3.4 Trim**

Provide all associated trim to partitioning selected from the product manufacturer’s technical information all fully coordinated with adjacent building elements. Provide to approved submission of requested samples and shop drawings as required by the *Contract Administrator.*

**3.5 Door & Door Hardware Items and Accessories**

Provide all associated door and door hardware items as per the door hardware schedule including locking devices, door handles and door signage to project specific requirements.

Ensure that all components are suitable for the intended use and fully compatible with ***Metinno Aluminium Partitioning Systems***.

Refer to ***Metinno Product Portfolio*** publication for information on selection of components.

1. **SUBMISSIONS**

**4.1 Submission**

Contractor is to submit supporting technical data including the following components as listed on project documentation, unless not required:

* Samples of listed partitioning system
* Samples of listed secondary items
* Adjust to suit project requirements

Provide additional components including hardware items to suit project requirements.

Submit and have reviewed prior to commencing work. **[HOLD POINT]**

**4.2 Shop Drawings**

Provide shop drawings based on ***Metinno Aluminium Partitioning System*** components for review, unless not required, and obtain confirmation prior to commencing work.

**4.3 Subcontractors**

Submit names and contact details of proposed contractorsand obtain confirmation prior to commencing work.

**4.4 Certification**

Certify all components for compliance with adequacy of design requirements as may be required by the *Contract Administrator.*

1. **EXECUTION**

**5.1 Preparation**

Ensure that the substrate is prepared to receive the partitions and install panels with all accessories to approved submission of technical data and in accordance with printed instructions in the ***Metinno Aluminium Partitioning*** publication, to *Australian Standards* and provisions within the *National Construction Code*.

Preparation of the substrate is to meet the following tolerance levels:

Squareness: The difference between the lengths of diagonals of a door: ≤ 3 mm.

Twist: The difference between perpendicular measurements taken from diagonal corners: ≤ 3 mm.

Nominal size (mm):

* Height: + 0, - 2.
* Width: + 0, - 2.

Coordinate the installation with remedial work should this be necessary to ensure full compliance with product installation requirements.

**5.2 Set Out**

Set out the partitions to confirmed locations and site measurements and receive confirmation prior to commencing work.

Obtain confirmation from the *Contract Administrator* for this component of work prior to commencing installation. **[HOLD POINT]**

1. **INSTALLATION**

**6.1 Preparation**

Ensure the substrate is prepared to receive partitions and doors and install with all accessories to approved submission of technical data and in accordance with technical publication instructions within the ***Metinno Product Portfolio****.*

Ensure all floor finishes result in flush and level finish as may be required by access provisions of the *National Construction Code.*

Confirm with shop drawings or method statements as may be required by the *Contract Administrator.*

1. **SEALING**

**7.1 General**

Provide the recommended type sealants to locations shown on *Metinno* technical publications within the ***Metinno Product Portfolio*** and of the type listed in project documentation.

For all acoustically rated installations, provide acoustically rated sealants for submission confirming data for review by the *Contract Administrator.*

**7.2 Manufacturer's Instructions**

Conform to the requirements of ***Metinno Aluminium Partitioning*** construction details and technical installation for provision of sealants to ensure compliance with required acoustic attenuation levels.

Ensure that type of sealants to be used is in accordance with product manufacturer’s specifications.

**7.3 Sealants**

Provide sealants to locations where shown on standard detailing published within the *Metinno* technical publications within the ***Metinno Product Portfolio.***

Select from the following range of products;

* *HB Fuller* range of products
* *Bostik* range of products
1. **COMPLETION**

**8.1 Warranties**

Provide warranties for materials and workmanship in the form of interlocking warranties from the supplier and the installer.

Warranty for materials, workmanship and installation: 10 years