***GUIDE SPECIFICATION - METINNO ALUMINIUM HINGED DOOR SYSTEMS***

1. **GENERAL**

**1.1 Scope of Work**

Provide all materials, labour and equipment for the installation of the ***Metinno Aluminium Hinged Door System*** components where indicated on project specific drawings and where scheduled on project specific *Door and Door Hardware Schedule*.

Provide complete with all components and fully integrated into the partition system.

Provide complete with all trim and door hardware items, all fully coordinated with adjacent building components.

This trade section of the Specification is prepared with reference to *Metinno* technical publications within the ***Metinno Product Portfolio*** and is addressed to the *Contactor* as an instruction for project specific requirements.

Read this specification in conjunction with the following information from relevant components of the technical manual as applicable including the following:

* ***Metinno 6000 Series***for hinged door systems
* For more technical information, refer to the *Metinno* technical publication within the***Metinno Partitioning Portfolio***available at [www.adxarchitectural.com.au/resources](http://www.adxarchitectural.com.au/resources).

**1.2 Coordination**

Coordinate this specification with the associated trades where listed in architectural documentation including but not limited to the following:

* *General Requirements*
* *Partitioning and Wall Linings*
* *Concrete Finishes*
* *Ceiling Finishes* such as Suspended Ceilings etc.
* *Floor Finishes* types of trade sections such as carpet etc.
* *Door and Door Hardware Schedule*
* 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 specific components of the *National Construction Code* and the *Australian Standards.*

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 as listed within the 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 provision of the *National Construction Code.*

*Contractor* is to submit samples of all components as well as confirming technical data from the product manufacturer confirming suitability of all components for the intended use unless not required.

Select components from the ***Metinno 6000 Series*** system for hinged doors fully coordinated with all adjacent surfaces and with reference to components listed with the published technical manual.

Provide supporting information including full list of selected integrated handles and concealed locking for review with list of associated items as required for project specific conditions and as listed on schedule below.

**2.2 Components Schedule**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Location**  | **Selection from 6000 range** | **Comments**  |
| Aluminium frame |  |  |  |
| Glass |  |  |  |
| Accessories  |  |  |  |
| Seals |  |  |  |

 **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.

AS 1231 2000 Aluminium and aluminium allows – Anodic oxidised coatings

AS 1428 Design for access and mobility

AS 1428.1 2009 General requirements for access

**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 as applicable to project statutory requirements and to attached reports as listed within the architectural documentation.

#### 2.5 Tolerance

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.
1. **METINNO ALUMINIUM HINGED DOOR SYSTEM**

**3.1 General**

Provide hinged door system consisting of aluminium framed components of configurations as shown on architectural drawings and meeting the product manufacturer’s specifications.

For selection of components refer to approved shop drawings and read in conjunction with the ***Metinno*** ***6000 Series*** component information within the *Metinno* technical publications within the ***Metinno Product Portfolio****.*

Refer to project specific information on the required sound rating and provide additional sound rated components as per the product manufacturer’s specifications if and when required.

**3.2 Aluminium Frame**

Provide aluminium frame components including all associated trim as per the reviewed shop drawings based on ***Metinno 6000 Series*** doors and product manufacturer’s standard details.

**3.3 Glass Components**

Provide all glass components with selection and performance levels of glass meeting the impact resistance as per the *Australian Standard*, *National Construction Code* and technical information within the manufacturer’s technical publication, ***Metinno Product Portfolio***.

**3.4 Trim**

Provide all associated trim to hinged door system all fully coordinated with adjacent building elements.

Provide all to reviewed submission of requested samples including finishes and shop drawings as required by the *Contract Administrator.*

* 1. **Door Hardware Items and Accessories**

Provide all associated door hardware items as per the *Door and 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 6000 Series*** sliding doors system.

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

1. **SUBMISSIONS**

**4.1 Submission**

Contractor is to submit shop drawings, samples and project specific technical data for review, fully coordinated with all adjacent building components including services unless not requested.

Obtain confirmation from the contract administrator prior to commencing. **[HOLD POINT]**

Samples of all components are to be provided min length of samples being 100mm, with shop drawings showing details.

**4.2 Shop Drawings**

Provide shop drawings based on ***Metinno 6000 Series*** hinged door components, unless not required, and obtain confirmation prior to commencing work.

**4.3 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 the substrate is prepared to receive the door set and all accessories and check other remedial actions, should this be required, for project specific site conditions and in accordance with technical publications within the ***Metinno Product Portfolio*** and as required by access provisions of the *National Construction Code* and *Australian Standards*.

Obtain confirmation with shop drawings or method statements from the *Contract Administrator* for this component of work prior to commencing installation.

**5.2 Set Out**

Set out the partitions to required locations and site measurements and submit for review 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 Manufacturer's Instructions**

Provide all necessary components for the installation as applicable with this trade section including preparation of the substrate and coordination with adjacent surfaces where required.

Refer to specific information that is included on product manufacturer’s publication and confirm at submission of shop drawings.

Obtain confirmation prior to commencing work. **[HOLD POINT]**

**6.2 Standard Detailing**

Refer to standard details as published in the *Metinno* technical publications within the ***Metinno Product Portfolio*** and incorporate relevant details into project specific detailing to suit site requirements.

Conform to recommendations and standard construction details confirmed with shop drawings as may be required by the *Contract Administrator.*

1. **SEALING**

**7.1 General**

Provide approved type sealants to locations shown on *Metinno* technical publication with 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 recommendations of *Metinno* technical publications within the ***Metinno Product Portfolio*** standard construction details.

**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