ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)

L41123 - CONTROLLED ENVIRONMENT DOOR

Learning Legacy Document

Document Number: **CRL1-XRL-Z3-ADDSD-CR001-50249**

Document Revision: **5.0**

Document History:

Revision:	Date:	Prepared by:	Checked by:	Authorised by:	Reason for Issue:
1.0	04-Apr-2013	Loukia Sivena	[redacted]	[redacted]	First Issue
2.0	03-Jun-2014	[redacted]	[redacted]	[redacted]	Corrected Attribute Names Related Functions Section Added Attribute Descriptions Updated Asset Tag Identification Section Updated
3.0	19-Sep-2014	[redacted]	[redacted]	[redacted]	Approvals Added Consultations Removed
4.0	27-Aug-2015	[redacted]	[redacted]	[redacted]	Labelling Section Updated
5.0	28-Jan-2016	[redacted]	[redacted]	[redacted]	New Attribute Added

This document contains proprietary information. No part of this document may be reproduced without prior written consent from the chief executive of Crossrail Ltd.

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited **RESTRICTED**

Contents

1 Introduction 3
1.1 Asset Details 3
1.2 Description 3
1.3 Related Functions 3
2 Asset Tag Identification Rules 3
2.1 Example Images 4
3 Attributes 5
3.1 Generic Attributes 5
3.2 Class Specific Attributes 5
4 Performance Data 7
5 Labelling 7
6 Other Information 7
7 Reference Material 7
8 Crossrail Technical Approvals 8

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System
© Crossrail Limited RESTRICTED

1 Introduction

1.1 Asset Details

Class Code:	L41123
Class Name:	Controlled Environment Door
Class Lineage:	Construction Products>Access, barrier and circulation products>Doors, windows, etc. (access products)>Doors>Specialist Doors>Controlled Environment Door

1.2 Description

A controlled environment door provides, when shut, a separation between two areas with differing environments, and when open access for pedestrian movement between the two areas. A controlled environment door may be manually or automatically opened and closed.

Conditions that may differ between environments include: temperature, air pressure, noise or acoustics and fire resistance.

The frame of the door is considered as being part of the door unit.

The door frame is a structure that is positioned in an opening between two areas to which doors are mounted. The frame can provide an environment seal between the two areas, it can house door opening and closing mechanisms and can provide conduits, ducts and dampers for services, ventilation, and pressure relief.

1.3 Related Functions

All information on the configuration of asset classes (L-Class) to functions is contained within the latest revision of the Asset Data Dictionary Master Configuration document (eB ref: CRL1-XRL-Z3-ADDSD-CR001-50186)

2 Asset Tag Identification Rules

Assets will be identified as required by the Asset Identification Standard (CRL1-XRL-O6-STD-CR001-00031) in the following format:

<LCS Code>-<Function Code>-<Incremental number to ensure uniqueness>

e.g. CR076-BAF-12345

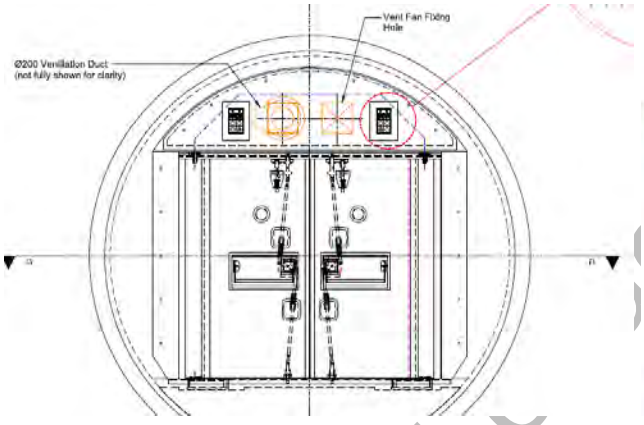
Information and guidance on the standard naming convention for all asset classes is contained within the latest revision of the Asset Naming Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited RESTRICTED

2.1 Example Images



Learning Le

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System
© Crossrail Limited RESTRICTED

3 Attributes

3.1 Generic Attributes

All Classes of assets will have a set of Generic Attributes for which data is collected without exception. Full details relating to these assets can be found at:

AD4 – Generic Attributes CRL1-XRL-Z3-ADDSD-CR001-50069

3.2 Class Specific Attributes

Below is a table of the further specific attributes which are associated with this asset class.

Attribute Name	**Base Unit or Formula**	**Value Type** *(See Below)*	**Decimal Places** *(nu Only)*	**Defined Values List** *(pd only)*	**Description**
Door Latching System		CH			Description of the latching system used for the door
Fire Rating (Degrees Celsius)	Degrees Celsius	NU	0		The maximum duration of time that the door can resist a fire.
Force (Newtons)	Newtons	NU	2		Force required to open the door.
Has Window		PD		Yes No	Enter Yes if the door contains a window
Height (Metres)	Metres	NU	2		When the door is open the height that is available for pedestrian transit without obstruction
Maximum Operating Pressure Differential (kPa)	kPa	NU	1		The maximum operating pressure differential between each side of the door
Weight (Kilograms)	Kilograms	NU	2		Weight of individual doors

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited RESTRICTED

Attribute Name	**Base Unit or Formula**	**Value Type** *(See Below)*	**Decimal Places** *(nu Only)*	**Defined Values List** *(pd only)*	**Description**
Width (Metres)	Metres	NU	2		When the door is open the width that is available for pedestrian transit without obstruction
Is Flood Door		PD		Yes No	Does the door provide flood prevention.

pd = Predefined List
nu = Numeric
ch = Free text (Max 255 Characters)
da = Date (dd-mm-yyyy)
me = Memo (Free text 1GB Limit)

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System
© Crossrail Limited RESTRICTED

4 Performance Data

This section is to be used to specify the performance data to be gathered from this Class of asset when in operation. To be populated once performance measures have been agreed with the Infrastructure Managers.

5 Labelling

Information and guidance on the standard labelling convention for all asset classes is contained within the latest revision of the Asset Naming and Labelling Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

6 Other Information

Not Applicable

7 Reference Material

- Asset Data Dictionary Master Configuration document - CRL1-XRL-Z3-ADDSD-CR001-50186
- Asset Identification Standard - CRL1-XRL-O6-STD-CR001-00031
- AD4 – Generic Attributes - CRL1-XRL-Z3-ADDSD-CR001-50069
- Asset Naming Convention Document - CRL1-XR1-Z3-ADDSD-CR001-50413

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited RESTRICTED

8 Crossrail Technical Approvals

Name	Role	Date
[redacted]	Systemwide Mechanical & Electrical Lead Engineer	19-Sep-2014

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System
© Crossrail Limited RESTRICTED