ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L43221 - Straight Stairs

Learning Legacy Document

Document Number: **CRL1-XRL-Z3-ADDSD-CR001-50189**

Document Revision: **10.0**

Document History:

Revision:	Date:	Prepared by:	Checked by:	Authorised by:	Reason for Issue:
1.0	11-Oct-2013	Mark Sexton	[redacted]	[redacted]	First Issue
2.0	03-Jun-2014	[redacted]	[redacted]	[redacted]	Attribute DP Corrected Asset Tag Identification Section Updated
3.0	25-Jun-2014	[redacted]	[redacted]	[redacted]	Added Attribute
4.0	19-Sep-2014	[redacted]	[redacted]	[redacted]	Approvals Added Consultations Removed
5.0	21-Aug-2015	[redacted]	[redacted]	[redacted]	Removed Links & Added Attribute
6.0	27-Aug-2015	[redacted]	[redacted]	[redacted]	Labelling Section Updated
7.0	11-May-2016	[redacted]	[redacted]	[redacted]	Attribute added
8.0	30-Aug-2016	[redacted]	[redacted]	[redacted]	Attribute Added
9.0	20-Apr-2017	[redacted]	[redacted]	[redacted]	Attribute Replaced
10.0	25-Apr-2017	[redacted]	[redacted]	[redacted]	LRS Codes Updated

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**

Learning Legacy Document

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

Contents

1 Introduction 4
1.1 Asset Details 4
1.2 Description 4
1.3 Related Functions 4
2 Asset Tag Identification Rules 5
2.1 Example Images 5
3 Attributes 7
3.1 Generic Attributes 7
3.1 Class Specific Attributes 8
4 Performance Data 12
5 Labelling 12
6 Other Information 12
7 Reference Material 12
8 Crossrail Technical Approvals 13

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:	L43221
Class Name:	Straight Stairs
Class Lineage:	Construction Products>Access, barrier and circulation products>Circulation/escape>Stepped circulation>Stairs>Straight Stairs

1.2 Description

Straight stairs are a key circulation component of any building or structure allowing pedestrian transit between different floors or levels. Typically straight stairs are constructed from concrete or steel however other materials can be used. Concrete stairs are commonly produced in pre-cast sections, usually a single flight, and may include integrated landings. Steel stairs can be pre-fabricated to include many flights and integrated landings.

A single flight straight stair or a pre-fabricated multi-flight stair will have a single asset tag.

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)

Learning Legacy Document

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

© Crossrail Limited RESTRICTED

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

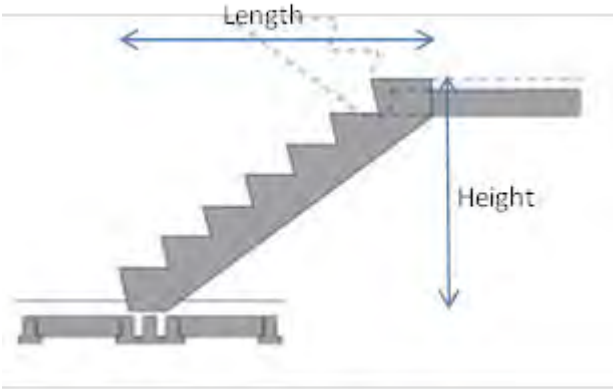
Information and guidance on the standard naming convention for all asset classes is contained within the latest revision of the Asset Naming Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

2.1 Example Images

Learning Legacy Document

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

© Crossrail Limited RESTRICTED



Learning Legacy Document

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

Learning Legacy Document

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

© Crossrail Limited RESTRICTED

3.1 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
Height (Metres)	Metres	NU	2		Height of a single flight
Integrated Landing		PD		Yes No	Whether landings are integrated into the single or multi-flight stair
Length (Metres)	Metres	NU	2		Length of a single flight
Width (Metres)	Metres	NU	2		Width of single flight
Multi-Flight Stair		PD		Yes No	No indicates a single flight of stairs, Yes means more than one. A flight is an un-interrupted length of evenly spaced steps
Number of Flights (#)	#	NU	1		Number of flights, potentially there may be a half flight included to reach a certain level hence the decimal place facility
Number of Floors (#)	#	NU	0		The number of floors that can be reached from a stair case not including the starting floor
Number of Steps (#)	#	NU	0		Number of steps on a single flight
Stair Material		PD		Concrete Steel Wood Other	Predominant material type that the straight stair is constructed from
Stair Finish		PD		Asphalt Asphalt Infill Asphalt Infill; Ciron Nosing Asphalt Infill; Concrete Asphalt Infill; G M Nosing Asphalt Infill; Metal Nosing Asphalt Infill; Vinyl Treads Asphalt Nosing; Asphalt Tread Asphalt; G M Nosing Brick	Details of the stair finish, including nosing.

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

© Crossrail Limited RESTRICTED

Learning Legacy Document

Attribute Name	Base Unit or Formula	Value Type (See Below)	Decimal Places (nu Only)	Defined Values List (pd only)	Description
				Carpeted Carpeted; Painted Cast Iron Nosing CI Ciron Nosing Ciron Nosing; Con; Painted Ciron Nosing; Con; Streamline Ciron Nosing; Concrete Ciron Nosing; Concrete; Tiled Ciron Nosing; G M Nosing Ciron Nosing; Metal Ciron Nosing; Painted Infill Ciron Nosing; Streamline Ciron Nosing; Tiled Infill Ciron Nosing; Timber Ciron Nosing; Timber; Asphalt Ciron Nosing; Vinyl Ciron Nosing; Vinyl Infill Ciron Nosing; Vinyl; Concrete Concrete Concrete Infill Concrete Infill; G M Nosing Concrete Infill; Tiled Infill Concrete Infill; Tiled Nosing Concrete Insert Concrete Nosing; Concrete Concrete; G M Nosing Concrete; Metal Concrete; Metal Treads Concrete; Streamline Concrete; Tiled Infill Treads Escalator G M Nosing G M Nosing; Painted G M Nosing; Painted Infill G M Nosing; Streamline G M Nosing; Tiled Infill G M Nosing; Timber G M Nosing; Timber Infill	

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
				G M Nosing; Vinyl Treads Gm/Ciron Nose;Tile Infill;Conc Grip Fast Grip Fast Nosing; Concrete Grip Fast Nosing; Tiled Grip Fast Treads; Vinyl Infill Grip Fast; Vinyl Grip Fast; Vinyl Treads Gun Metal Nosing Laminate Metal Metal & Asphalt Metal Nosing Metal Nosing; Concrete Infill Metal Nosing; Streamline Metal Nosing; Vinyl Metal Nosing; Vinyl Infill Metal Treads Metal Treads; Timber Metal; Painted Metal; Vinyl Metal; Vinyl Treads Streamline Tiled Tiled Infil Treads Timber Varna/Rubber Vinyl Treads	
Meterage (Metres)	Metres	NU	0		Meterage (Chainage) location of asset. To be populated only when the asset is located on track.
LRS Code		PD		C.EB C.EB.CRW5 C.EB.CR1 C.EB.CR7 C.EB.TBC C.WB	The Crossrail Linear Referencing Standard code (CRL1-XRL-O6-STD-CR001-00026) where the asset is located. When the asset is not located on track then non track should be selected. The LRS codes are as follows: C.EB - Central Section Eastbound C.EB.CRW5 - Crossover between W5 and W4 Points

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

© Crossrail Limited RESTRICTED

Learning Legacy Document

Attribute Name	Base Unit or Formula	Value Type (See Below)	Decimal Places (nu Only)	Defined Values List (pd only)	Description
				C.WB.CRW9 C.WB.CRW6 C.WB.CR2 C.WB.CR5 C.WB.TBA C.WB.TBB CNE.EB CNE.WB CSE.EB CSE.EB.CR11 CSE.WB CSE.EB.CR13 CSE.WB.CR15 Non Track	C.EB.CR1 - Crossover between C1 and C4 Points C.EB.CR7 - Crossover between C7 and C8 Points C.EB.TBC - Turnback C C.WB - Central Section Westbound C.WB.CRW9 - Crossover between W9 and W8 Points C.WB.CRW6 - Crossover between W6 and W3 Points C.WB.CR2 - Crossover between C2 and C3 Points C.WB.CR5 - Crossover between C5 and C6 Points C.WB.TBA - Turnback A C.WB.TBB - Turnback B CNE.EB - Central Section North East Spur Eastbound CNE.WB - Central Section North East Spur Westbound CSE.EB - Central Section South East Spur Eastbound CSE.EB.CR11 - Crossover between C11 and C12 Points CSE.WB - Central Section South East Spur Westbound CSE.EB.CR13 - Crossover between C13 and C14 Points CSE.WB.CR15 - Crossover between C15 and C16 Points Non Track - Non Track Assets

pd = Predefined List (Listed Values Only)
nu = Numeric (dp and number format can be stipulated)
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 gathered from this Class of asset when in operation. This section will be populated once performance measures have been agreed with 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 - 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]	Head of Civil Structures	19-Sep-2014

Learning Legacy Document

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