ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L3313 – WALL (CAST IN SITU)

Learning Legacy Document

Document Number: **CRL1-XRL-Z3-ADDSD-CR001-50042**

Document Revision: **12.0**

Document History:

Revision:	Date:	Prepared by:	Checked by:	Authorised by:	Reason for Issue:
000	05-Mar-2012	[redacted]	[redacted]	[redacted]	First Issue
2.0	11-Oct-2013	[redacted]	[redacted]	[redacted]	Standardisation of Attribute Names and New Branding
3.0	03-Jun-2014	[redacted]	[redacted]	[redacted]	Asset Tag Identification Section Updated
4.0	26-Jun-2014	[redacted]	[redacted]	[redacted]	Revised description
5.0	19-Sep-2014	[redacted]	[redacted]	[redacted]	Deleted Attribute New Attribute added Approvals Added Consultations Removed
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	21-Oct-2016	[redacted]	[redacted]	[redacted]	Attribute Added
10.0	02-Feb-2017	[redacted]	[redacted]	[redacted]	Attribute Added
11.0	20-Apr-2017	[redacted]	[redacted]	[redacted]	Attribute Replaced
12.0	25-Apr-2017	[redacted]	[redacted]	[redacted]	LRS Codes Updated

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1 Introduction

1.1 Asset Details

Class Code: L3313

Class Name: Wall (Cast in Situ)

Class Lineage: Construction Products>Structural and Space Division Products>In Situ Concrete>Concrete cast in situ> Wall (Cast in Situ)

1.2 Description

Cast in-situ concrete walls are vertical structural elements that are cast during the construction of a building or structure. Walls are normally designed to carry vertical loads or in the case of retaining walls, horizontal loads.

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)

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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

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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**
Height (Metres)	Metres	NU	2		The vertical height of the wall
Length (Metres)	Metres	NU	2		The length of the wall measured from side to side.
Thickness (Millimetres)	Millimetres	NU	0		The thickness of the wall from front to back. There should be no change in wall thickness along a single length of wall
Supported by Windposts		PD		Yes No	Are Windposts fitted to the wall for extra support
Meterage (Metres)	Metres	NU	0		Meterage (Chainage) location of asset. To be populated only when the asset is located on track.

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Attribute Name	Base Unit or Formula	Value Type (See Below)	Decimal Places (nu Only)	Defined Values List (pd only)	Description
LRS Code		PD		C.EB C.EB.CRW5 C.EB.CR1 C.EB.CR7 C.EB.TBC C.WB 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	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 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

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Attribute Name	Base Unit or Formula	Value Type (See Below)	Decimal Places (nu Only)	Defined Values List (pd only)	Description
Wall Finish		PD		Aluminium Aluminium Panels Aluminium Panels; Glazed Aluminium Panels; Painted Aluminium; Painted Aluminium; Tiled Aluminum; Enamel Clad Anti-Graffiti Asphalt Blockwork Blockwork; Brick Blockwork; Brick; Concrete Blockwork; Brick; Metal Blockwork; Brick; Painted Blockwork; Brick; Tiled; Paint Blockwork; Concrete Blockwork; Concrete; Metal Blockwork; Concrete; Painted Blockwork; Metal Blockwork; Metal; Painted	The finish of the wall

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Attribute Name	Base Unit or Formula	Value Type (See Below)	Decimal Places (nu Only)	Defined Values List (pd only)	Description
				Blockwork; Painted Blockwork; Tiled Blockwork; Timber Brick Brick; Blockwork; Plasterboard Brick; Concrete Brick; Concrete; Glazed Brick; Concrete; Metal Brick; Concrete; Painted Brick; Enamel Clad Brick; Fence Brick; Fibre Glass; Metal Brick; Glazed Brick; Glazed; Metal Brick; Glazed; Metal; Tiled Brick; Glazed; Tiled Brick; Metal Brick; Metal; Painted Brick; Metal; Tiled Brick; Metal; Timber Brick; Painted Brick; Painted; Glazed Brick; Painted; Tiled Brick; Painted; Timber Brick; Plasterboard Brick; Plastered Brick; Rendered	

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Attribute Name	Base Unit or Formula	Value Type (See Below)	Decimal Places (nu Only)	Defined Values List (pd only)	Description
				Brick; Tiled Brick; Tiled; Timber Brick; Timber Carpeted; Painted Cast Iron Lining Segments Composite Asbestos Tile Concrete Concrete Timber Boarded Concrete; Mesh Concrete; Metal Concrete; Painted Concrete; Painted; Metal Concrete; Painted; Tiled Concrete; Tiled Corrugated Steel Sheeting Panels Enamel Clad Enamel Clad; Glazed Enamel Clad; Metal Enamel Clad; Metal; Painted; Enamel Clad; Metal; Tiled Enamel Clad; Painted Enamel Clad; Painted; Tiled Enamel Clad; Tiled Fibreboard Fibreglass Gating Gating; Tiled	

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Attribute Name	Base Unit or Formula	Value Type (See Below)	Decimal Places (nu Only)	Defined Values List (pd only)	Description
				Glazed Glazed; Metal Glazed; Metal; Painted Glazed; Metal; Tiled Glazed; Painted Glazed; Painted; Tiled Glazed; Tiled Glazed; Tiled; Timber Louvres Melamine Cladding Mesh; Tiled Metal Metal Panels Metal; Painted Metal; Painted; Plastered Metal; Painted; Tiled Metal; Plastered Metal; Powder Coated Metal; Tiled Metal; Timber N/A Paint & Timber Painted Painted Render Painted; Papered Painted; Plasterboard Painted; Plastered	

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Attribute Name	Base Unit or Formula	Value Type (See Below)	Decimal Places (nu Only)	Defined Values List (pd only)	Description
				Painted; Tiled Painted; Tiled; Timber Painted; Tiled; Varnished Painted; Timber Papered Paving Slab Plasterboard Plastered Plastered; Tiled Plastic Rubber; Varna Store Suspended Tiled Tiled; Shutter Tiled; Timber Timber Varnished Vinyl	
Structurally Critical		PD		Yes No	The component is integral to the overall asset's structural integrity

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)

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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 the 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 - 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

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8 Crossrail Technical Approvals

Name	Role	Date
[redacted]	Head of Civil Structures	19-Sep-2014

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