Eli Lilly and Company Limited
Speke Operations

Design and Access Statement

Project : Extension and Cladding of Building E25

Project Number: 330-2367

Lilly Document No. 330-2367/7/8/001

REVISION HISTORY

Revision	Revision Date	Reason for Revision/Change Request	Revised By
A	27 Feb 2015	Issued for Planning Approval	K Dooley

REVIEWERS AND APPROVERS

Prepared By:

Your signature indicates this document has been accurately developed for this Project and is in compliance with Eli Lilly and Company procedures.

Name	Function	Area of Expertise	Signature	Date
K Dooley	Planning Submission Doc	Civil & Structural		27.03.15

Reviewed/Approved By : Technical Resource/Subject Matter Expert Speke Operations

For each reviewer, your signature indicates that you have reviewed for your area of expertise, the technical content of all the parts of this document for this Project and it is accurate and complete.

Name	Subject Matter Expert	Area of Expertise	Signature	Date
L Stephenson	Civil / Structural / Architectural (CSA)	CSA		27.03.15

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SECTION 1 - Introduction

1.1 Document Background

Section 42 of The Town and Country Planning Act 2004 amended the 1990 Act by Inserting Section 327A, which requires planning applications to be accompanied by a Design and Access Statement where required.

1.2 Document Purpose

This 'Design and Access' statement is a brief structured report formulated to illustrate the underlying principals and design concept for the proposed development.

This document has been written in support of the planning application submitted by the applicant for the 'E25 Cladding Project' in March 2015 (Refer to reference drawings).

1.3 Applicant

Elanco is a global company that develops and markets products to improve animal health and protein production in more than 75 countries. Elanco are a company that operates worldwide, with offices in more than 40 countries, and is a division of Eli Lilly and Company, a leading global pharmaceutical corporation

Jacobs Engineering has been appointed by Eli Lilly to act as consultants for the design of the required facilities.

Jacobs Engineering has also been appointed to act as the agent in regard to this Planning Application.

1.4 Project Proposal

This project will consist of an extension to the E25 building which will enclose the existing DCUs (Dust collection units) and provide a pallet transit area, whilst providing uniformity in appearance to the existing bagging hall extension (previously approved planning permission No 13F/0036)

The pallet transfer area will be fully enclosed by walls to the east and west, and roller shutters to the north and south, and will also provide a mezzanine floor above the pallet drop zone which will be roofed. The roller shutters are to be rapid rollers and are required to be fully interlocked. The external door is to be operated via radio transmitter from the external fork lifts and a receiver on the door. The internal door is to be operated via a wall mounted control panel and will only open when the external door has been closed

It is anticipated that Construction will commence in late May 2015 to early June 2015 and will be completed by end of June 2015 to early July 2015

SECTION 2 – Site Details

2.1 Site Details

Address:
Eli Lilly & Company, Speke Operations, Fleming Road, Liverpool. L24 9LN

Site location Plan:
Refer to the following Drawing
SPK-EDW-0022346

Site Ownership:
All works associated with the proposed 'E25 Cladding Project' fall within the applicants land ownership boundary (blue).

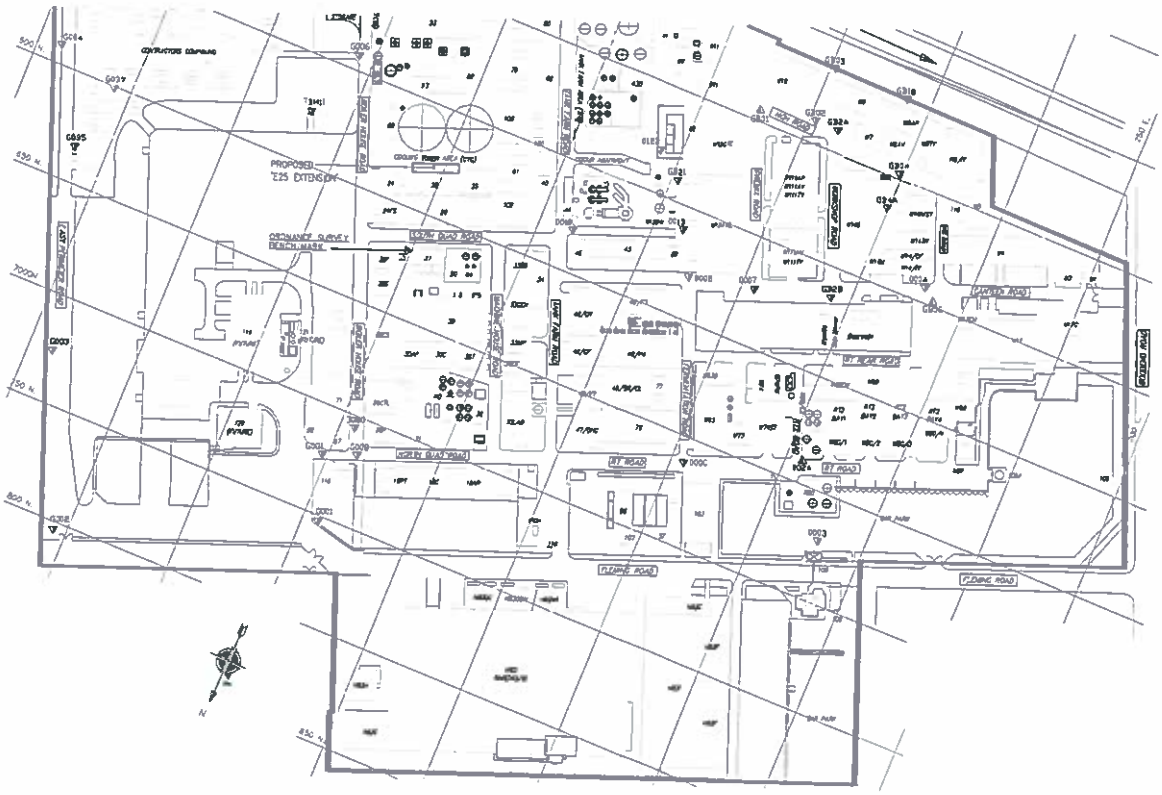
Site Areas:

Applicants land ownership boundary area (blue) = 167150m² (approx)
Gross Floor Area of Proposed Building = 45 m² (approx)

Site Constraints:
The existing site in Speke has been developed over a number of years and the massing of the structures has largely been dictated by the evolution of the processes undertaken on site.

The proposal for the 'E25 Cladding Extension' is constrained by the need to maintain fork lift truck access to the front of the building.

Indicative Site Map (below):



SECTION 3 – Basis Of Design

As recommended by the ODPM the following statement identifies the key issues for the design philosophy adopted for the proposal.

3.1 Building Occupants

Access to the 'E25 Building' will be restricted in accordance with Eli Lilly's on site policies. The only people allowed access into the proposed building during 'normal' use will be those who have undergone a site safety induction OR are accompanied by trained supervisors. The induction includes evacuation procedures and identification of safe zones and potential hazards.

All on site contractors will be governed by a permit to work system and will only be permitted to access their own work areas; other areas will be declined via the site swipe card system

Members of the public and children are not permitted on site during 'normal' operations.

3.2 Personnel Access and Egress

A wide range of access routes are readily available to the 'E25 Building' via the existing site infrastructure and clearly designated pedestrian pathways.

The proposed 'Extension' will be attached to the front brickwork face of the existing E25 Building. The size of the extension is restricted to allow continued road access to building E91 and to the previous 'E25 building extension.

Local access and egress from the facility is provided in the form of a single personnel door with emergency release hardware which can be reached within the travel distances recommended within Building Regulations Part B.

3.3 Vehicular Approach

It is not foreseen that any vehicles will be required to access the 'E25 Extension' during 'normal' use.

Vehicular access is to remain exactly as it exists currently. The route from the main site entrance offers an effective and established means of safe access and egress.

Parking is to remain unchanged with the proposals not generating any increased parking requirements.

In the event of a delivery or an emergency, vehicles will have clear unrestricted access via Canteen Road to the North.

3.4 Building Description (summary)

**to be read in conjunction with the Planning Drawings (Refer to reference drawings)

3.4.1 Scale

The 'E25 Extension' has been designed to be as compact as possible to maintain vehicular access. The proposed extension will NOT be visible from the public highway

The footprint of the 'E25 Extension' measures approximately:

(7.5m (h) x 16.5m (l) x 2.7m (w)

The Gross Floor Area measures approximately:

Ground Floor = 45.0m²

3.4.2 Structure Elements

The proposed construction of the building will comprise of:

Concrete Foundation – an assessment of the existing ground bearing capability has been undertaken and has been proven to be capable of withstanding the proposed loads by means of individual pad foundations

Structural Frame – the main structure for the 'Extension' will be galvanised steel columns bolted to pad foundations below grade level and tied together with steel beams above ground and fixed back to the brick wall of the existing E25 building.

Floor – galvanised steel joists will be fitted spanning between the adjacent floor beams at either side over the pallet transfer area. A durbar steel floor will then be laid to cover this area

Roof - galvanised steel joists will be fitted spanning between the adjacent roof beams at either side over the pallet transfer area and steel cladding sheets will form the roof (refer to reference drawings)

3.4.3 Material Components

The selection of colours and materials are designed to match the existing E25 building extension. A summary of key components is as follows:-

Roof Cladding System:
External Sheet: Single skin, trapezoidal steel cladding with matching fixtures/ fittings and flashings (Euroclad 32/1000 or Similar).
Colour: 'Willow Green' (RAL 100 80 20)

Wall Cladding System:
External Sheet: Single skin, steel cladding with matching fixtures/ fittings and flashings (Euroclad 32/1000 or Similar).
Colour: 'Willow Green' (RAL 100 80 20)

Personnel Doors:
Steel louvre security door, Powder coated
Colour: 'Bottle Green' (RAL 6007)

Rapid Roll Doors:
Door curtain to be PVC coated fabric
Colour Orange (RAL 2009 or similar approved)

3.4.4 Landscaping & Lighting

Landscaping
All new surface finishes will match existing. After the 'E25 Extension' has been installed all finishes will be made good

All surface water will be discharged into the existing site drainage network under the guidelines of the site IPPC license.

Lighting
External security lighting with light sensors will be present above the access doors.

SECTION 4 – Reference Drawings/Photographs

Document to be read in accordance with the following drawings and photographs as submitted with the application:

Drawings:

SPK-EDW-0022345 - Existing and Proposed Plans and Elevations

SPK-EDW-0022346 - Site Location Plan & Isometric

Photographs:

330-2367/7/8/Photo 1 - Existing E25 Extension

330-2367/7/8/Photo 2 - Proposed Cladding Extension (Indicates the location of the proposed extension in relation to the existing E25 extension