Lutterworth Town Council Building

Proposed Construction Plan

143-TAA-00-ZZ-DR-A-2300

T03

<u>Key</u>



EXTERNAL WALL TYPE EW1

Maximum Regulatory U-Value: 0.26 W/(m².K) Maximum Target U-Value: 0.18 W/(m².K)

K-Rend Roughcast Render - Refer to NBS M20. 100mm Thermalite Dense Block (SE to confirm strength). 125mm Full-fill Knauf Rockwool Insulation - Refer to NBS F30. 100mm Thermalite Dense Block (SE to confirm strength).

Dot & Dab. 10mm

Gyproc Wallboard. 12.5mm One Coat Plaster Skim Finish.

372.5mm **Total Thickness**



EXTERNAL WALL TYPE EW2 (BRICK INFILL)

Refer to Details & Elevations for further information. Maximum Regulatory U-Value: 0.26 W/(m².K)

102.5mm Facing Brick Work

Full-fill Knauf Rockwool Insulation. 125mm

100mm Thermalite Dense Block (SE to confirm strength).

330mm Total Thickness (TBC on Site) Cavity Brick Infill Wall To Match Existing



EXTERNAL WALL TYPE EW3 (FEATURE WALL) No Regulatory U-Value Required.

Installed as Recommended by Manufacturer

Ash & Lacy Standing Seam (Colour TBC). 10mm

Plywood. 18mm 1mm Membrane

Thermalite Block (SE to confirm strength). 215mm

1mm Membrane. 18mm Plywood.

Ash & Lacy Standing Seam (Colour TBC). <u>10mm</u>

273mm **Total Thickness**



EXTERNAL WALL TYPE EW4

Maximum Regulatory U-Value: 0.26 W/(m².K)

Maximum Target U-Value: 0.18 W/(m².K) Ash & Lacy Standing Seam (Colour TBC).

18mm Plywood. 25mm Ventilation.

1mm Membrane. 100mm Thermalite Dense Block (SE to confirm strength).

50mm Cavity Air Gap.

Celotex CW4000 PIR Insulation - Refer to NBS F30. 75mm

100mm Thermalite Dense Block (SE to confirm strength).

10mm Dot & Dab. 12.5mm Gyproc Wallboard.

One Coat Plaster Skim Finish. 5mm

323mm **Total Thickness**



INTERNAL WALL TYPE IW1

To be built to underside of exiting ceiling.

Accoustic Rating: 45 Rw/dB Fire Rating: 60 Minutes

One Coat Plaster Skim Finish. 5mm

Gyproc Wallboard. 15mm Gyproc Wallboard. 15mm

50mm Gyprframe 48 S (@ 600mm

centres).

15mm Gyproc Wallboard. Gyproc Wallboard.

15mm One Coat Plaster Skim Finish <u>5mm</u> **Total Thickness** 120mm



INTERNAL WALL TYPE IW2 (INSULATION UPGRADE)

Maximum Regulatory U-Value: 0.26 W/(m².K) Maximum Target U-Value: 0.20 W/(m².K)

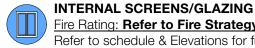
Assumed Brick Cavity Wall Construction to External Walls.

Facing Brick Work. 50mm Air Gap. 75mm Insulation 102.5mm Brick Work 60mm Celotex PL4065 12.5mm Gyproc Wallboard.

One Coat Plaster Skim Finish. 5mm 407.5mm **Total Thickness**



Refer to schedule & Elevations for further detiails & information. All cavities to be closed with insulated fire rated cavity closers.

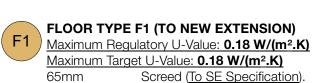


Fire Rating: Refer to Fire Strategy

INTERNAL DOOR

Refer to schedule & Elevations for further details.

Fire Rating: Refer to Fire Strategy Refer to schedule & Elevations for further details.



1mm

75mm

1mm

150mm

292mm

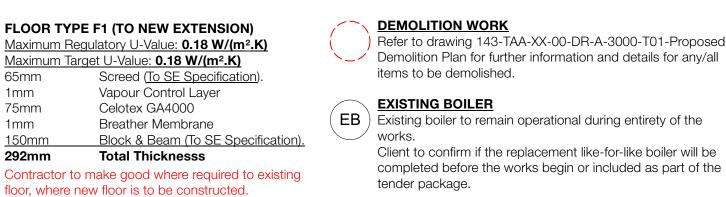
SANITARYWARE

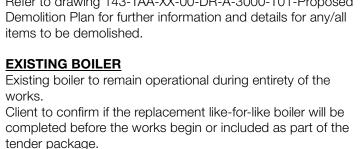
Proposed Sanitaryware.

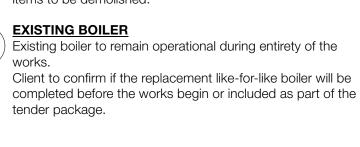
Refer to NBS N13 for further information.

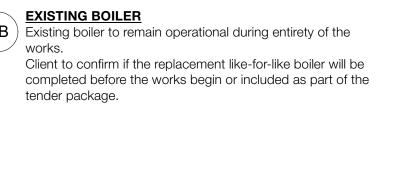
WINDOW EXTRUDED BOXING DETAIL

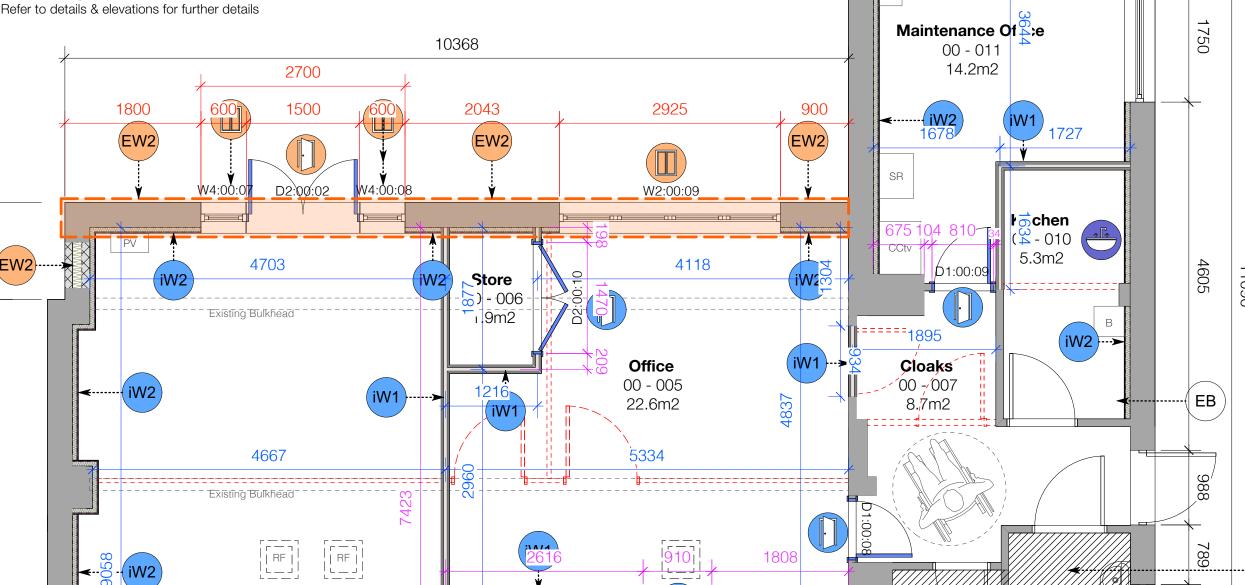
Maximum Regulatory U-Value: 1.6 W/(m².K)











Reception

00 - 002

17.7m2

D3:00:04

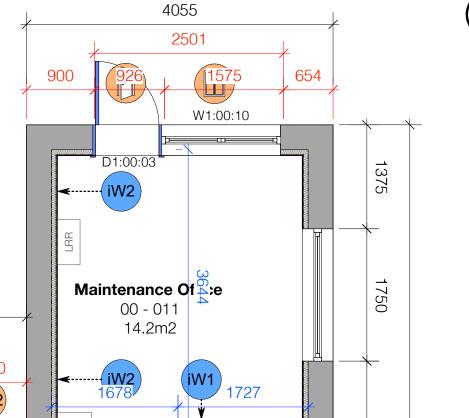
D2:00:01

1400

Lobby

00 1771

3.8m2



Disabled WC

/00/-/009/

/3/3hh//

EW1

1006

/00/-/008-

(2/5/12)

iW2

794

3610

Clerk's Office

-00--004

12.7m2

W3:00:02

2000



Note -

Drainage:

All above ground drainage requirements, refer to MEP drawings. All below ground drainage requirements, refer to Structural Engineers drawings.

Contractor, MEP Consultant and Structural Engineer to co-ordinate location and position of pop-ups and any other associated penetrations thru the floor slab's.

Air Tightness:-

All drawings/details are produced in accordance with The Building Regulations "Conservation of fuel and power" Approved Document L2A. It is the contractors responsibility to ensure all junctions between different elements provide a continuous airtight barrier over the entire building envelope in order to maintain air tightness.

All external envelope Sub-Contractors to provide a written statement prior to start on site on how air leakage problems will be dealt with. The statement must include the following; Potential weak points, specification detailing to overcome air permeability & clarification on methods for compliance. This statement must be submitted to the CA prior to starting on site.

BUILDING TO BE VACANT DURING THE DURATION OF THE CONSTRUCTION.

External Dimensions (Dimensions from face of brick/blockwork) Brick Dimensions only included for Rear

Elevation. Front Elevation Block & Render

Internal Dimensions LINT DIM | (Dimensions from face of existing walls to

centre line of internal wall) Door/Window Opening & Offset Dimensions

(Dimensions from face of existing walls) **Existing Dimensions**

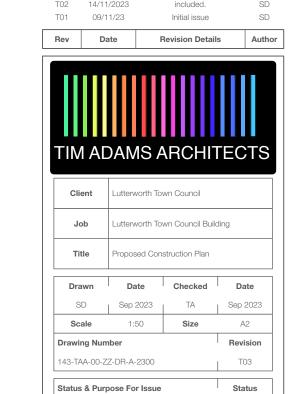
(All TBC on site before any works commence)

Proposed Wall to be Constructed on the line of the Existing Building. Wall to be Construced on Existing

SANITARYWARE TO REMAIN AS **EXISTING.**

1150

432



Layout revised & dimensions



Suitable for Tender

EXTERNAL DOOR Maximum Regulatory U-Value: (Pedestrian doors, including glazed doors): 1.6 W/(m².K) (High-usage entrance doors): 3.0 W/(m².K)

Refer to schedule & Elevations for further details.

All cavities to be closed with insulated fire rated cavity closers.

A

700

Existing Bulkhead

4933

Council Chamber

00 - 003

42.1m2

Existing Bulkhead

EW1

1622

1250

466

W2:00:06

3200