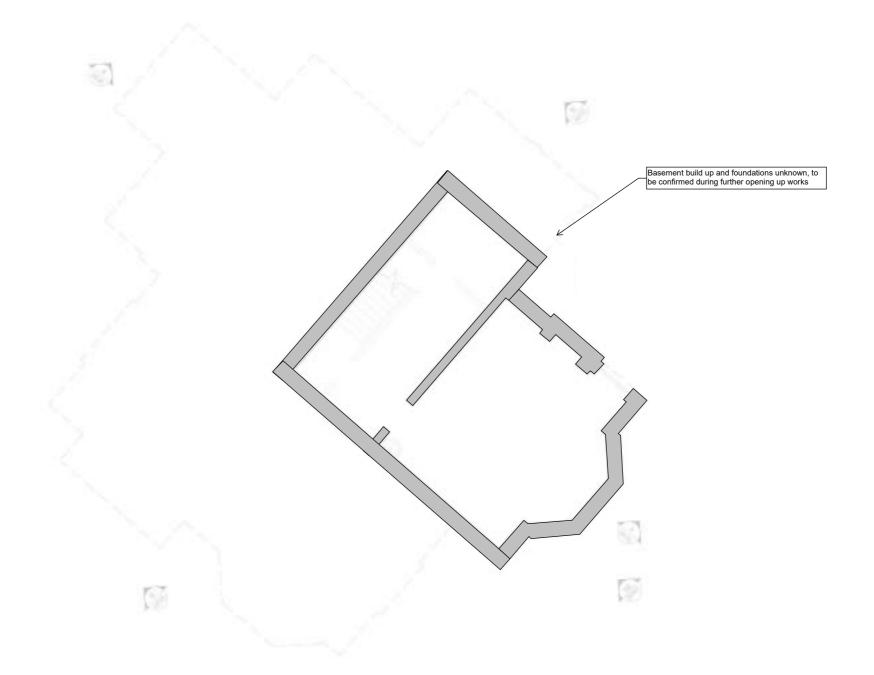




Key Assumed Beam Below Structural Wall Structure Below Principle Structural Elements to be Removed

0



200

1399 SK90

Red House Basement Existing Structure



Richmond Hill Campus

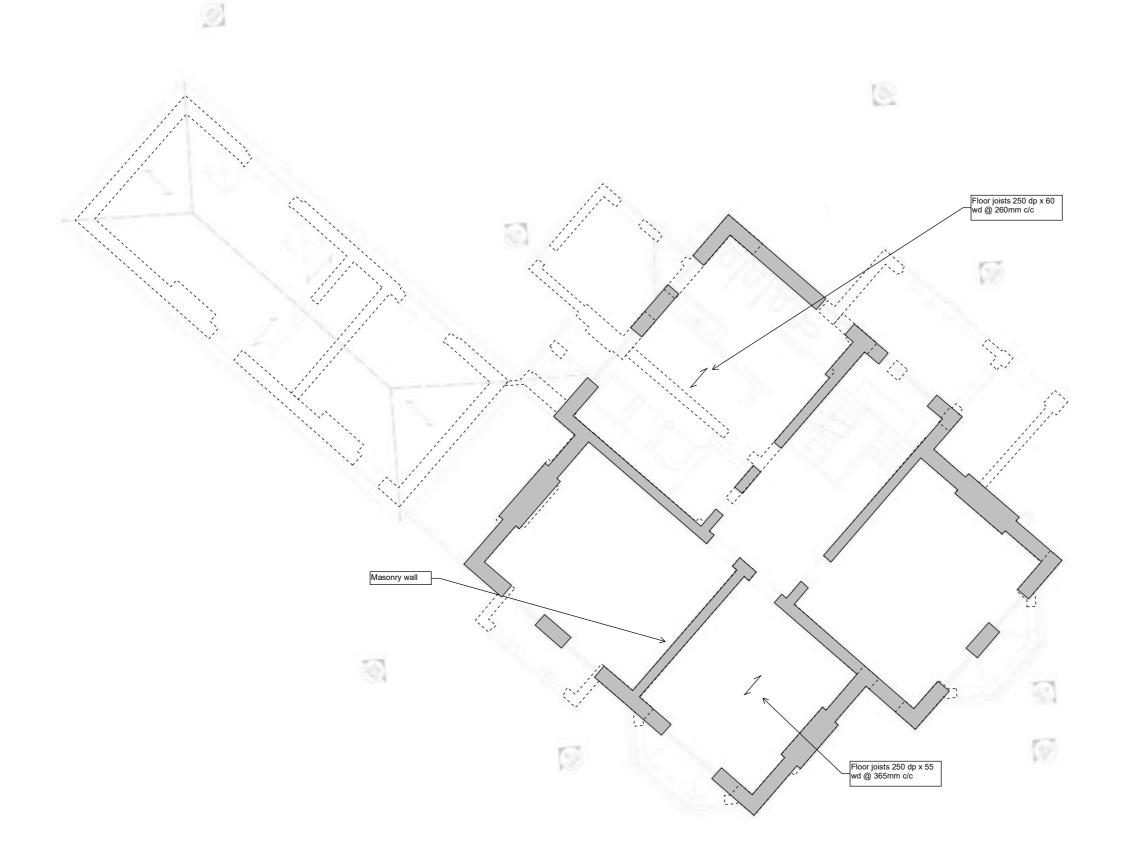


1399 SK91

Red House Ground Floor Existing Structure

Richmond Hill Campus





Key	
Assumed Beam Below	
Structural Wall	
Structure Below	
Principle Structural Elements to be Removed	

1399 SK92

Red House First Floor Existing Structure

Date 12/01/2024 integral at Walcof Street

Integral Engineering Design

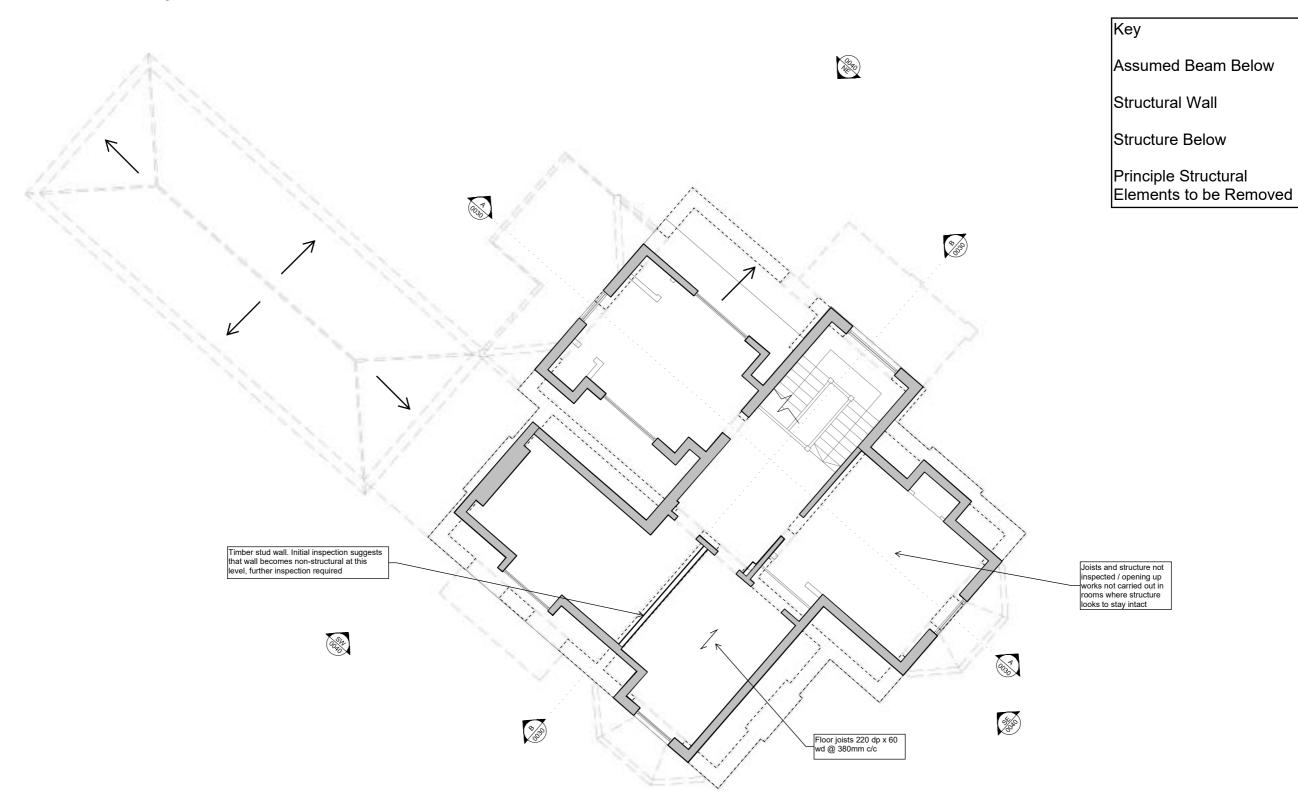
84 Walcof Street

Bath

BA1 5BD

Richmond Hill Campus





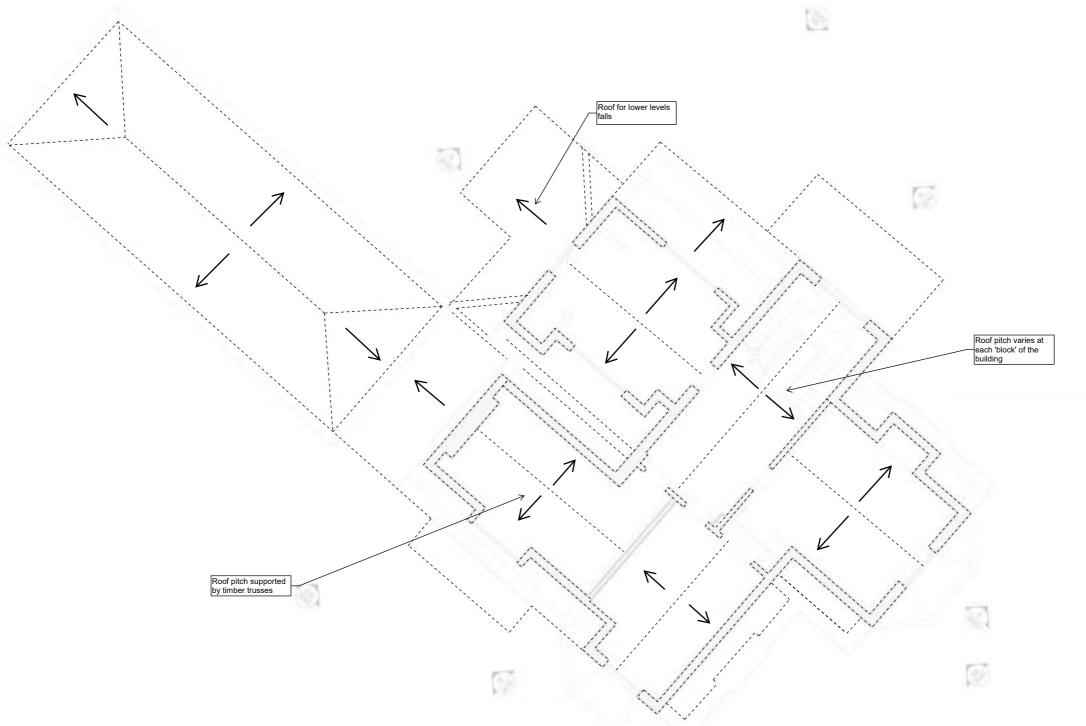
1399 SK93

Red House Second Floor Existing Structure

Campus Date 12/01/2024

Richmond Hill





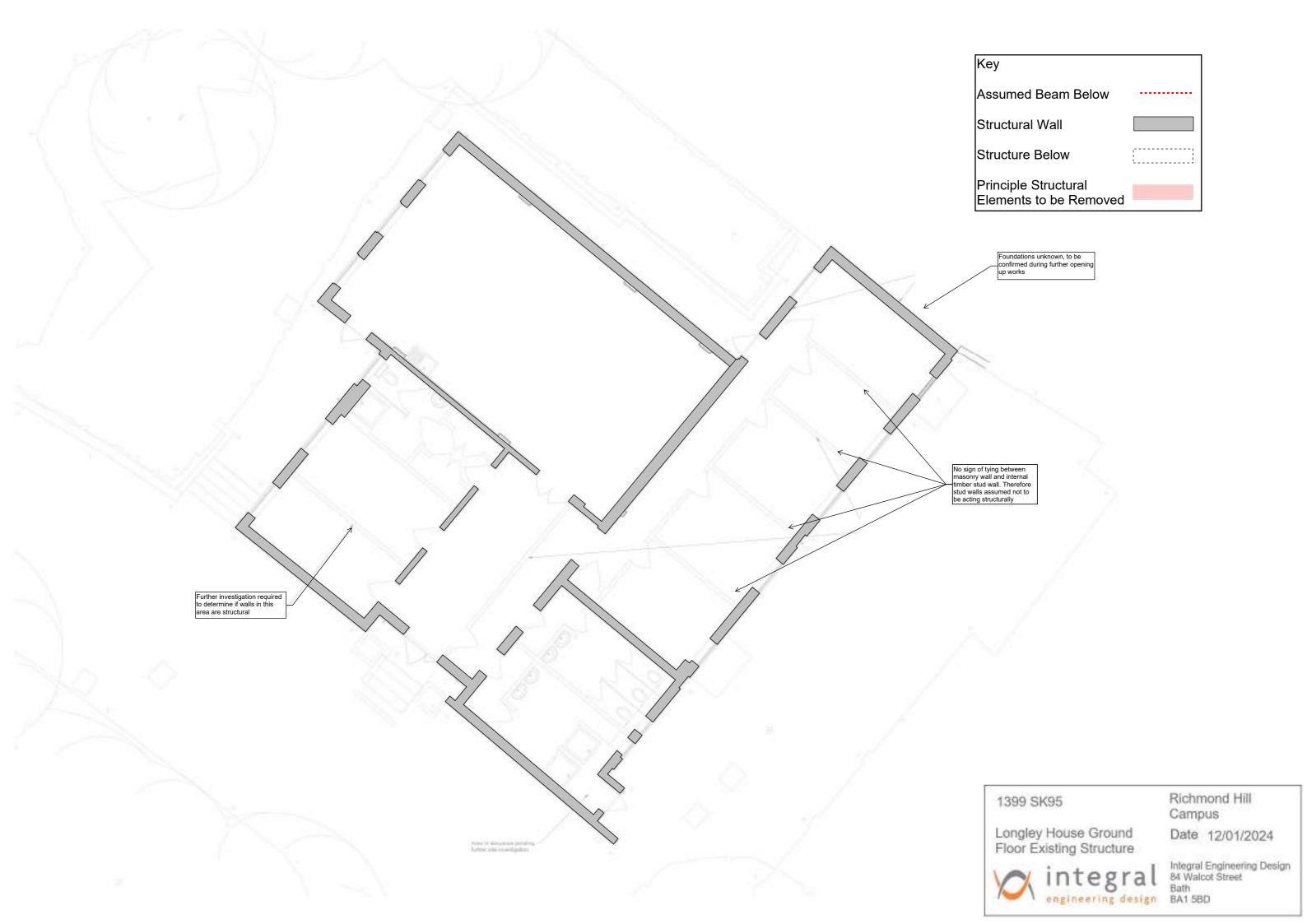
Key Assumed Beam Below Structural Wall Structure Below Principle Structural Elements to be Removed

1399 SK94

Red House Roof Existing Structure

integral Engineering Design 84 Walcot Street Beth BA1 5BD

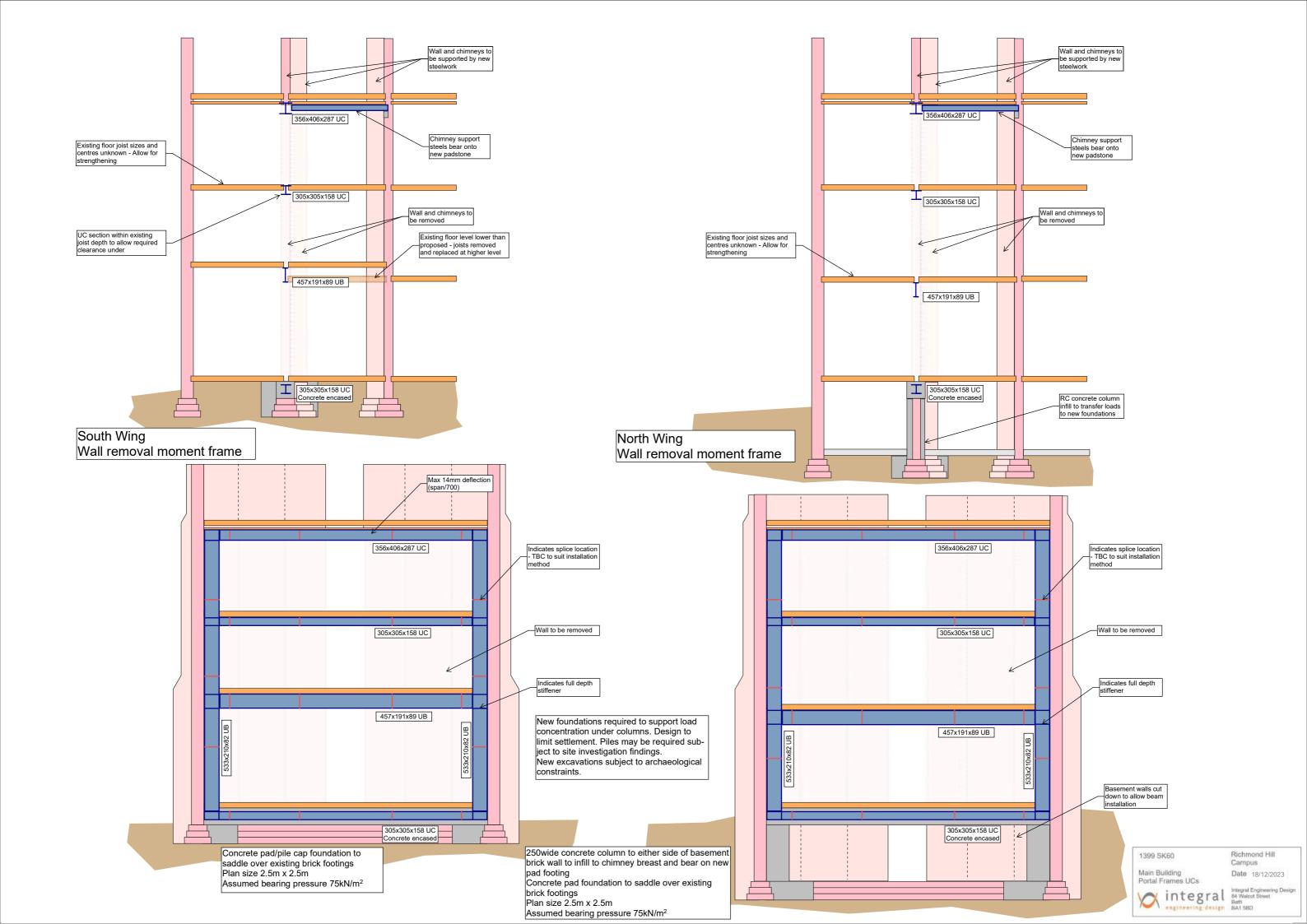
Richmond Hill Campus

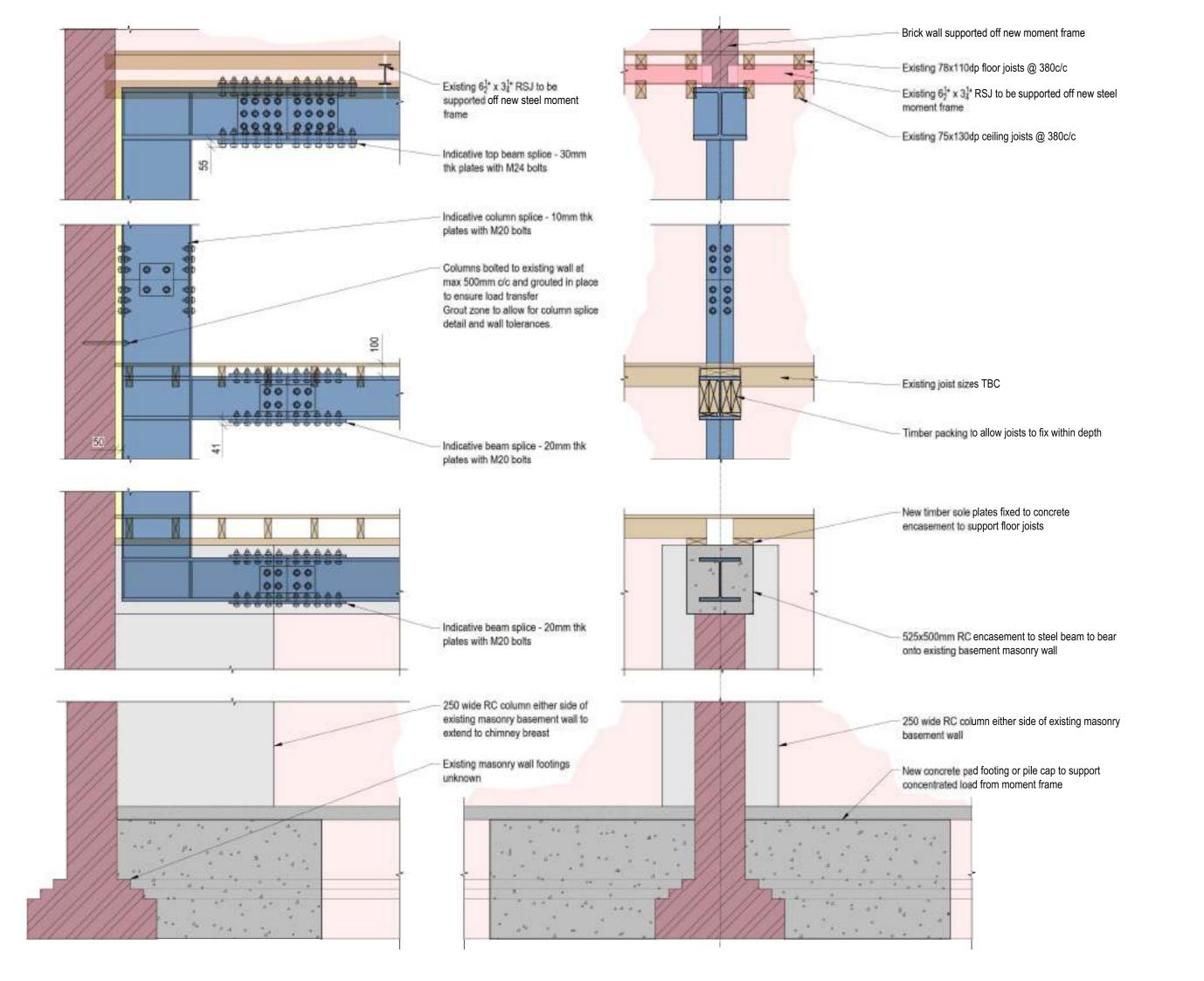


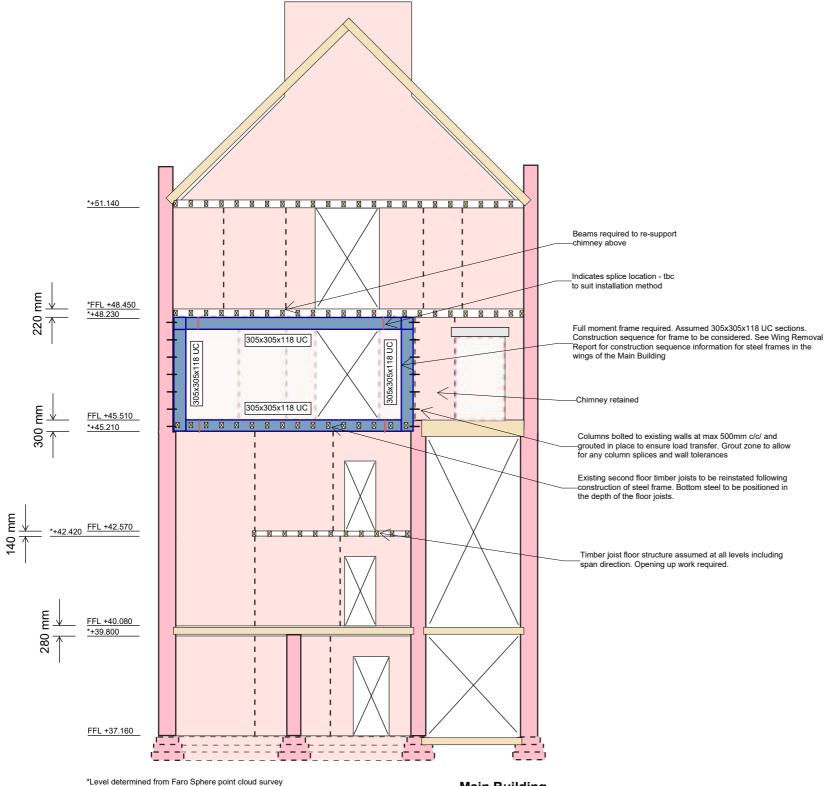


Richmond Hill Campus

Appendix B – Proposed Structure Sketches







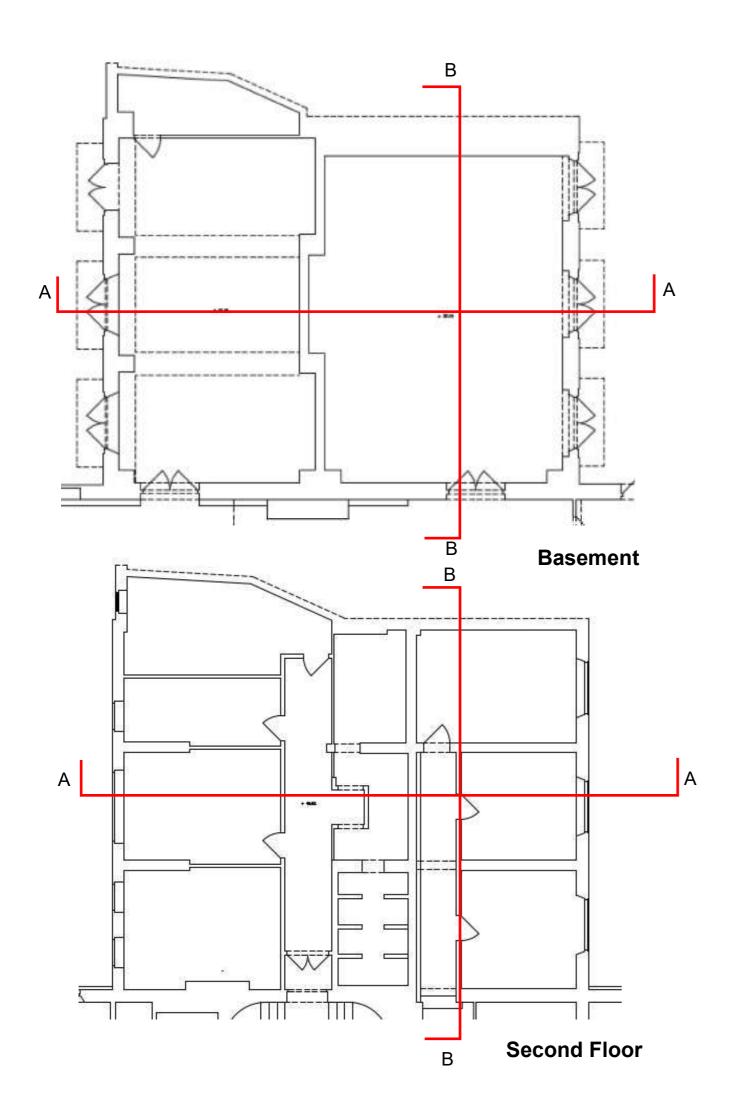
Main Building **Second Floor Steel Frame Section**

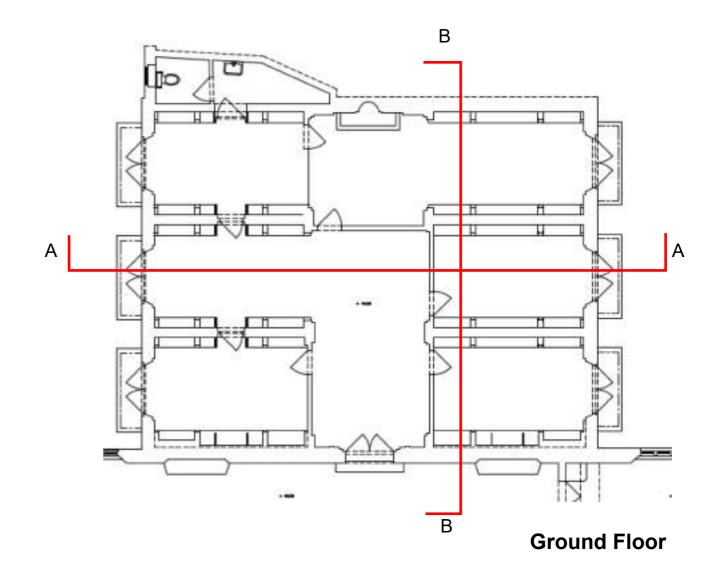
1399 SK62 Rev A

Richmond Hill Campus

Main Building Second Floor Portal Frames Date 12/01/2024







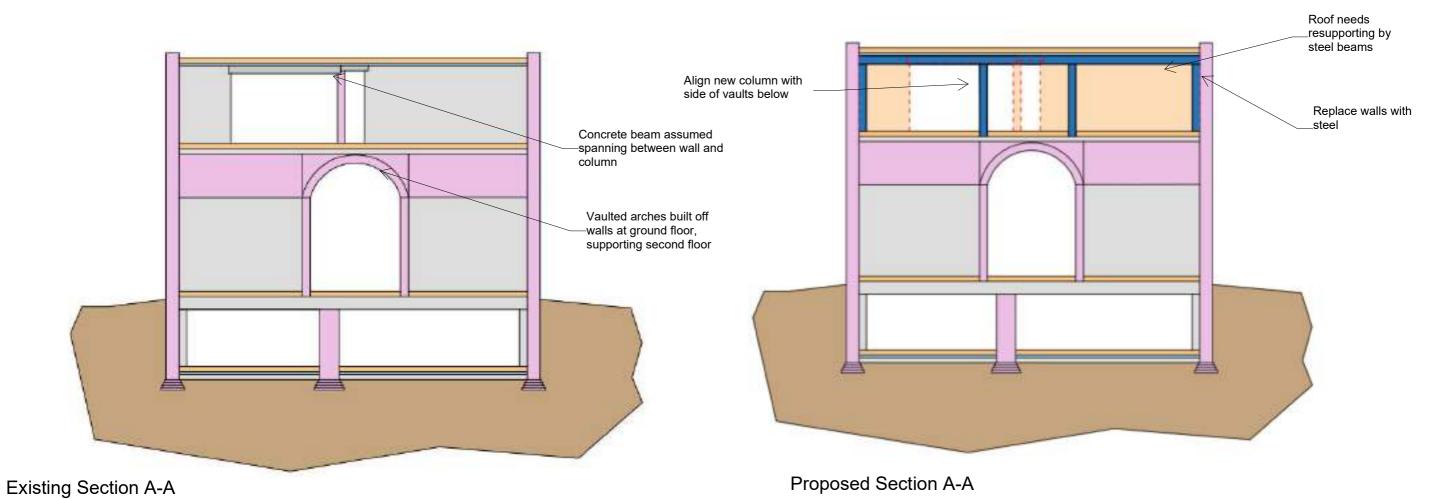
1399 SK63 Rev A

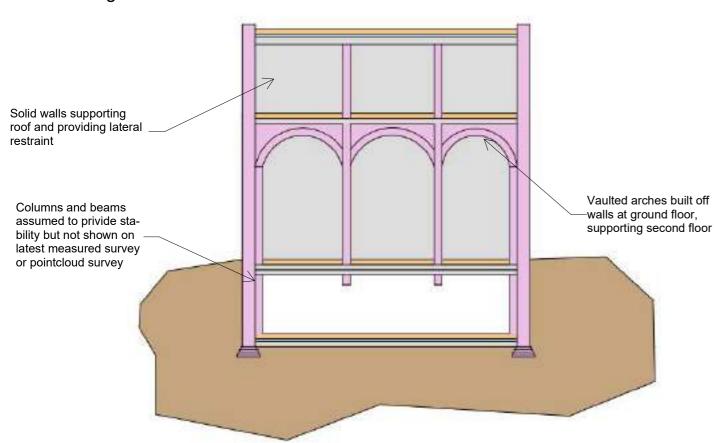
Maufe Block Existing and Proposed Sections

Campus Date 12/01/2024

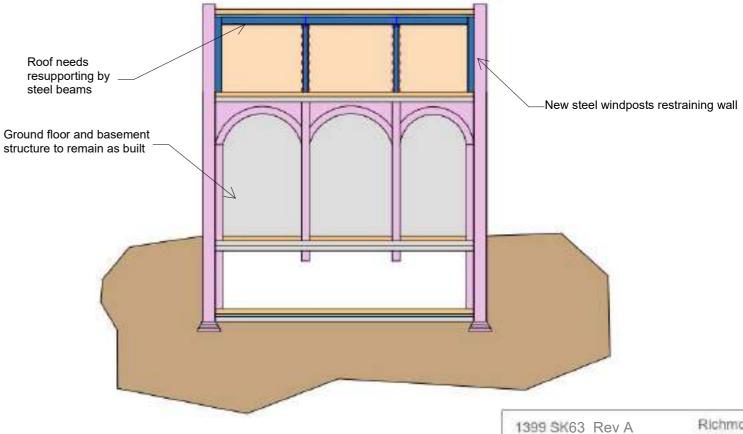
Richmond Hill

integral Engineering Design 84 Walcot Street 88th 8A1 58D









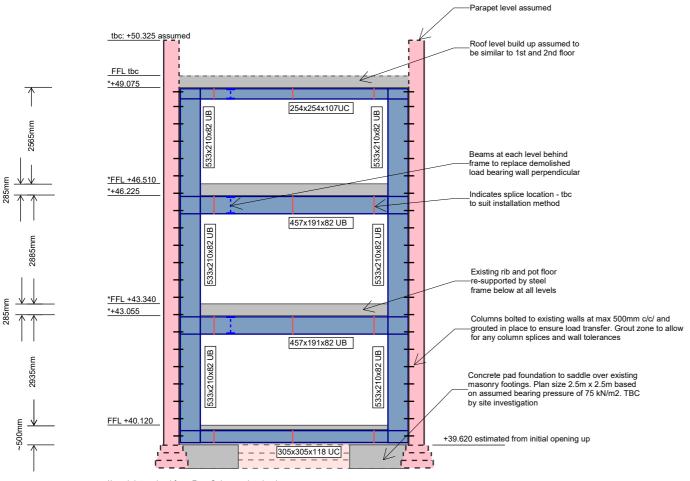
1399 SK63 Rev A Richmond Hill Campus

Maufe Block Existing and Proposed Sections

Richmond Hill Campus

Date 12/01/2024

integral 54 Walcot Street
8-8th
8A1 58D



*Level determined from Faro Sphere point cloud survey

George House Steel Frame Section

1399 SK64 Rev A

Main Building Second Floor Portal Frames

integral Engineering Design
84 Walcot Street
84th
8A1 58D

Richmond Hill Campus

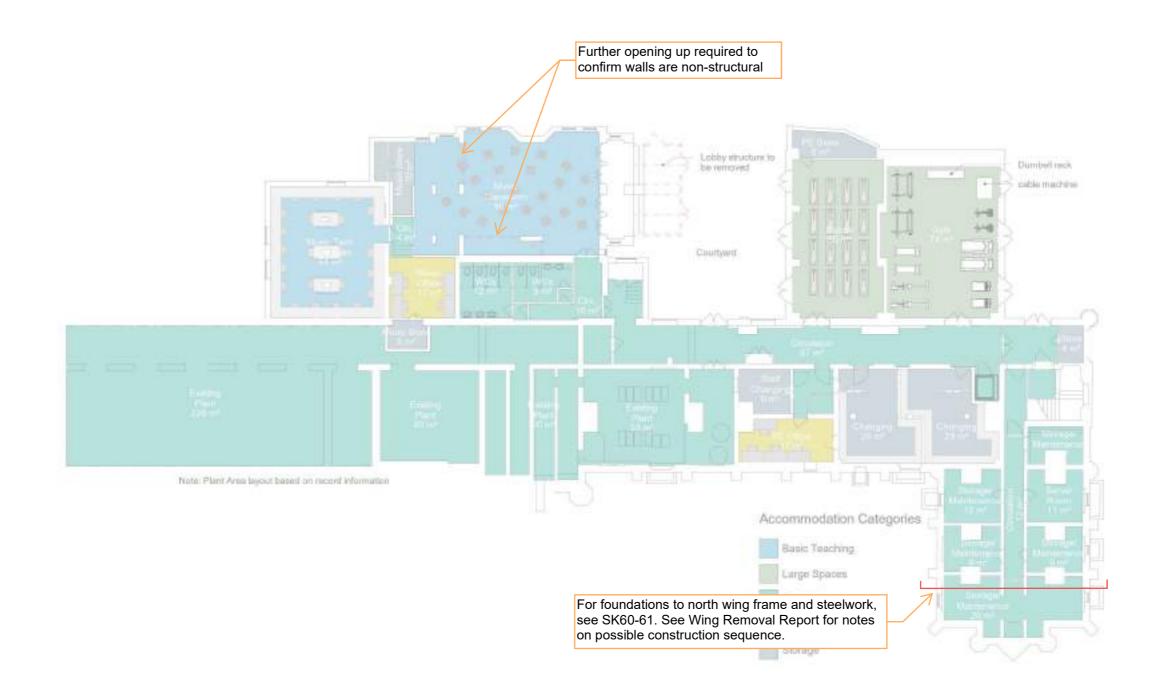
Thomas's College

Proposed Lower Ground Floor Main Building

1714 IID XX XX DR A-0107 P10

Scale: 7:250 of A3

27.11.23





1399 SK70

Main Building
Proposed Basement

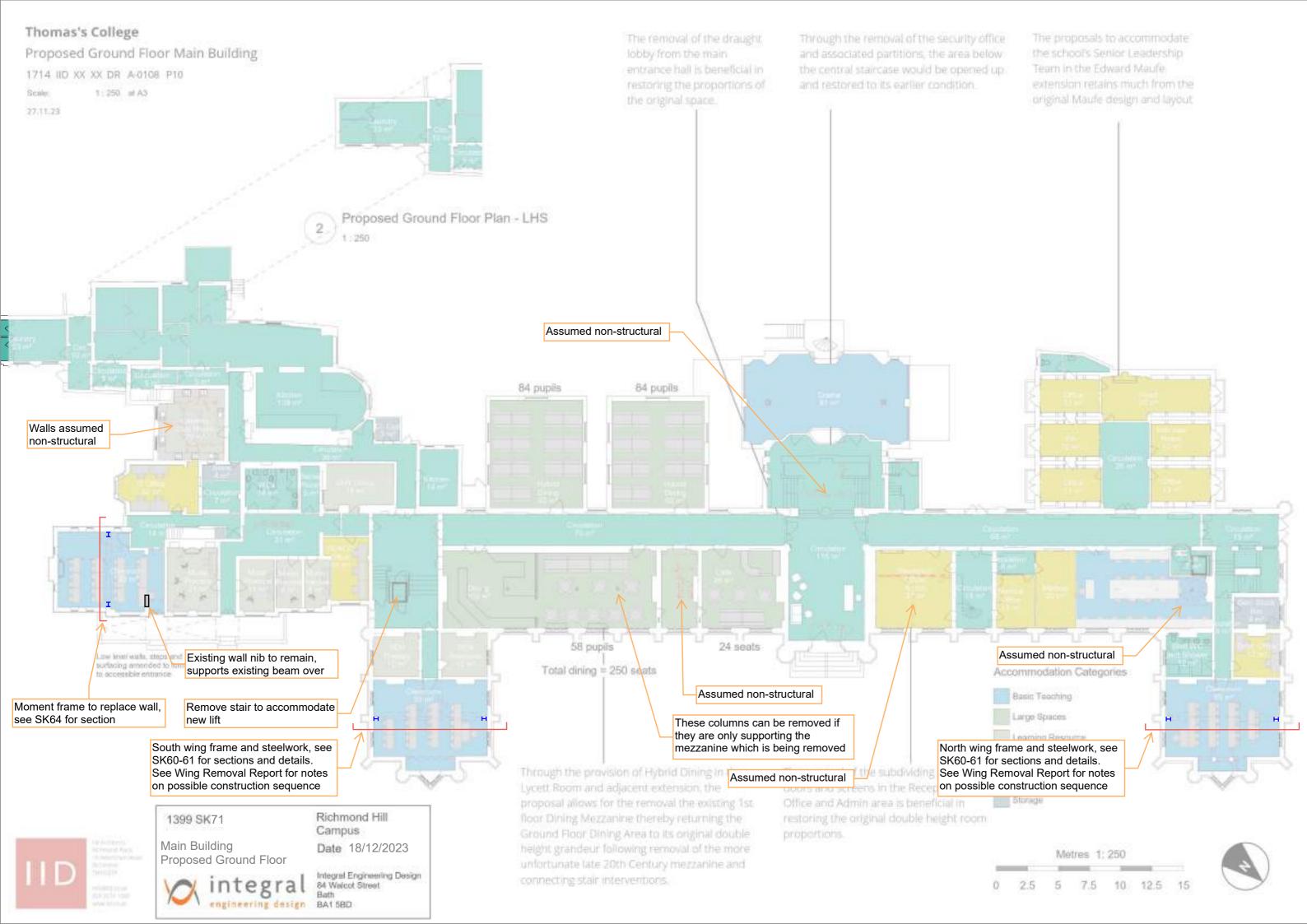


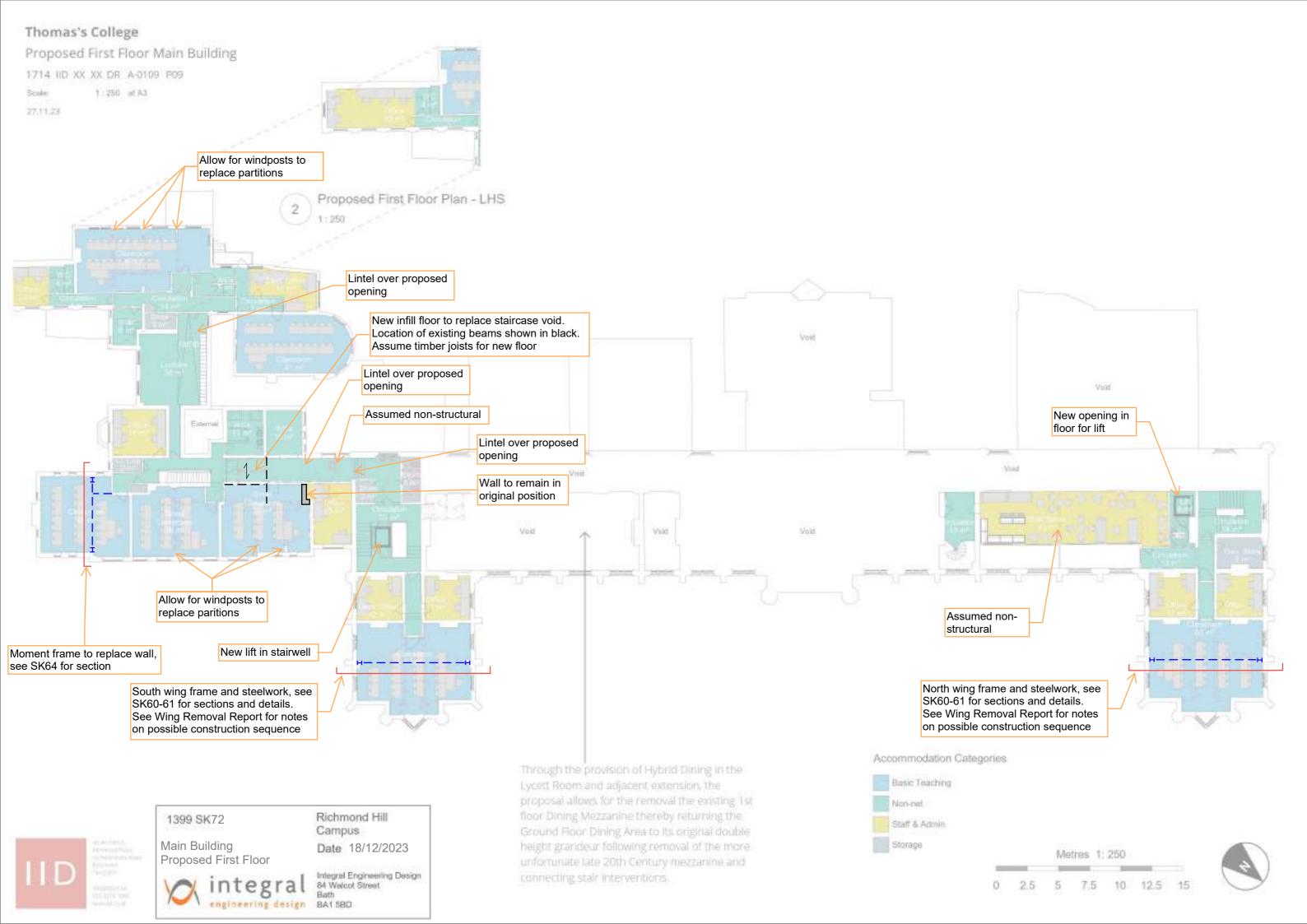
Richmond Hill Campus

Date 18/12/2023

Integral Engineering Design 84 Walcot Street Bath







Thomas's College Proposed Second Floor Main Building 1714 IID XX XX DR A-0110 P09 Scale 1:250 st A3 27,11.29 Maufe Block steel frames at second floor to resupport roof. Allow for 203 UC columns centrally and 100x100 SHS windposts. See Sk63 for sections Assumed non-structural Existing beam to be strengthened or Stairs to be removed Masonry fully toothed in replaced to carry new walls over and infilled to close the opening New beams to re-support floors Lintel over proposed Assumed non-structural where walls removed below opening Lintel over proposed Lintel over proposed Lintel over proopening opening posed opening Allow for windposts to New opening in replace paritions floor for lift Steel moment frames at second New partition lines different from floor only, see SK62 for section existing, may need steel beams to Masonry fully toothed in Moment frame to replace wall, support if loadbearing Masonry fully toothed in to close the opening see SK64 for section to close the opening New partition lines different from existing, may need steel beams to North wing frame and steelwork, see North wing frame and steelwork, see support if loadbearing SK60-61 for sections and details. SK60-61 for sections and details. See Wing Removal Report for notes See Wing Removal Report for notes on possible construction sequence on possible construction sequence Storage



1399 SK73 Rev A

Richmond Hill
Campus

Main Building
Proposed Second Floor

Integral Engineering Design
84 Wesleet Street
Bath
Bath
BA1 58D



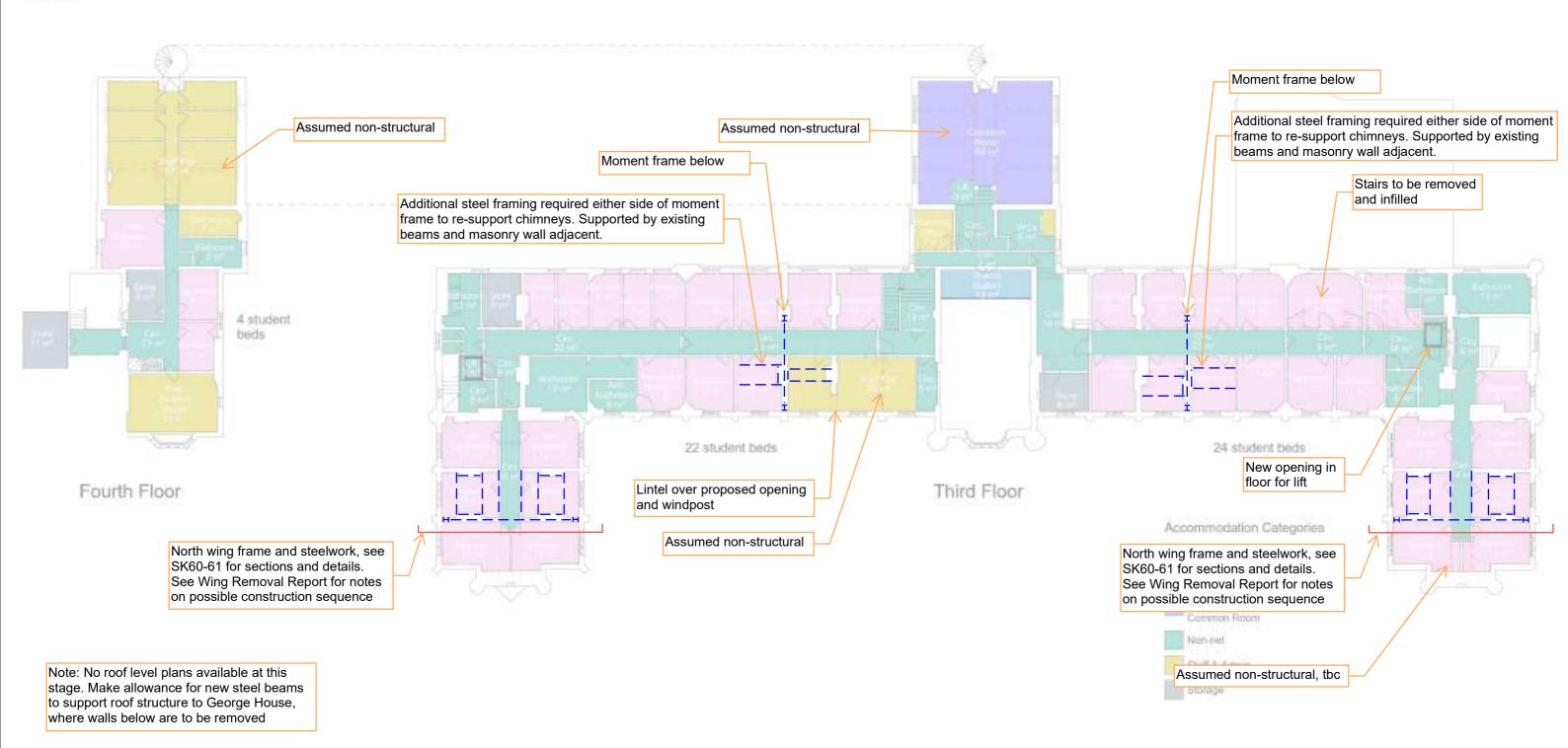
Thomas's College

Proposed Third and Fourth Floor Main Building

1714 IID XX XX DR A-0111 P09

Scala: 1 - 250 at A3

27,11.29

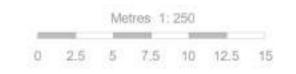






engineering design BA158D

Richmond Hill Campus Date 12/01/2024 Integral Engineering Design 84 Wolcot Street





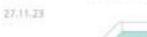
Thomas's College

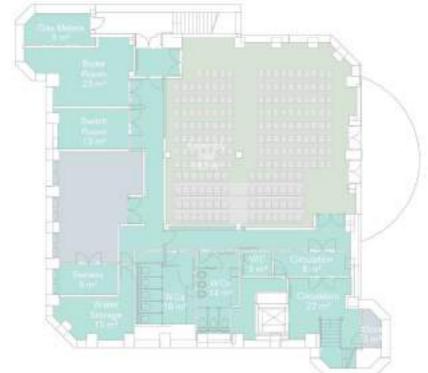
Proposed Library Plans

1714 IID XX XX DR A-0112 P08

1:250 BLAS

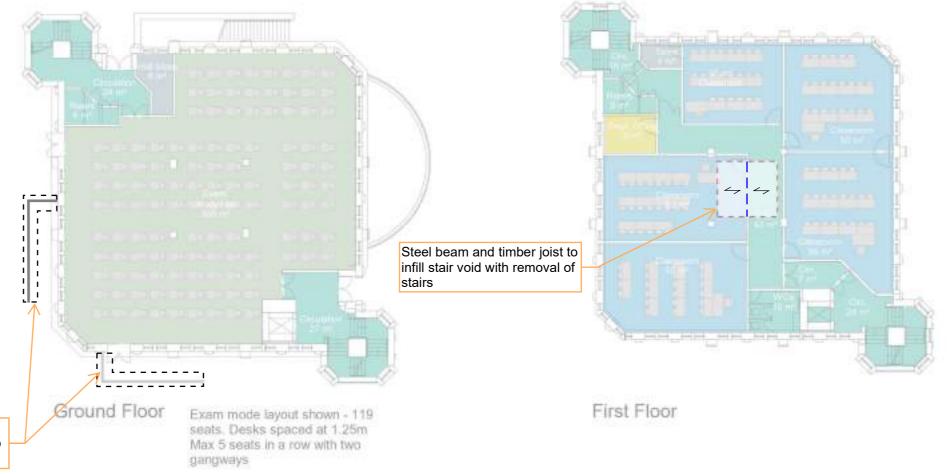
Scale.



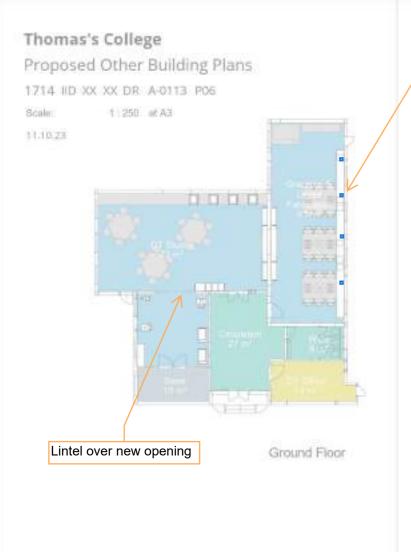


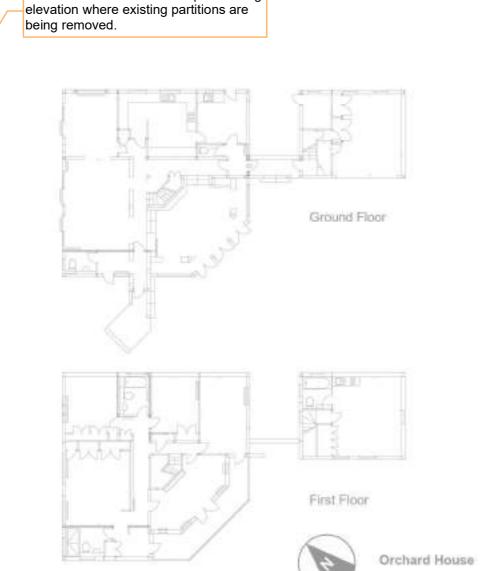
Basement 200 seats shown, some with restricted sight lines. 350mm seatways = max 10 seats to retain new ramps up to in a row with two gangways Bleacher seating to 4 rear rows

Small RC retaining walls proposed openings

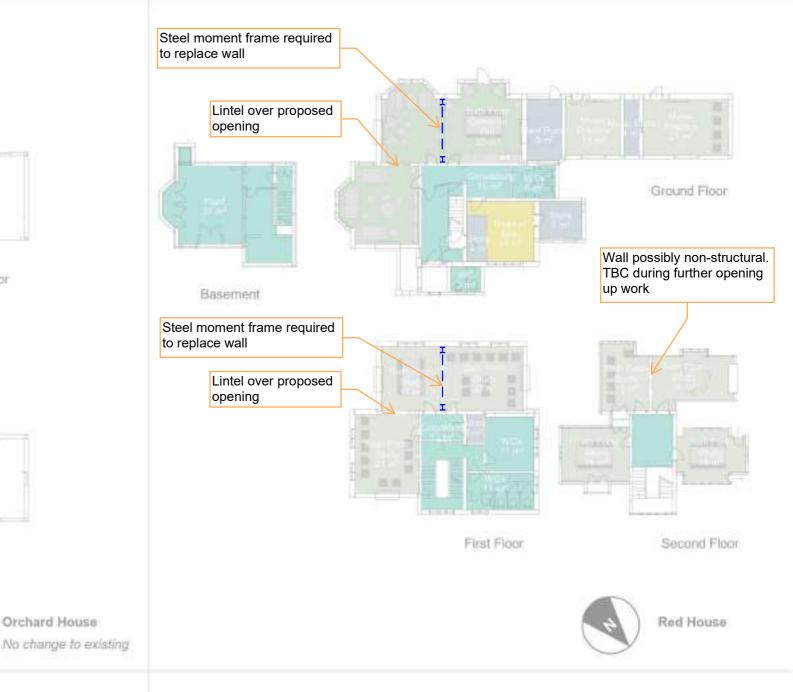


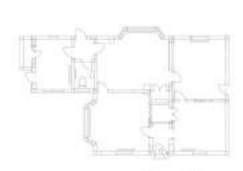






Allow for 100x100 SHS windposts along





Ground Floor















Oak Tree Cottage No change to existing

Longley House



Lower Cottage No change to existing



Other Buildings **Proposed Plans**



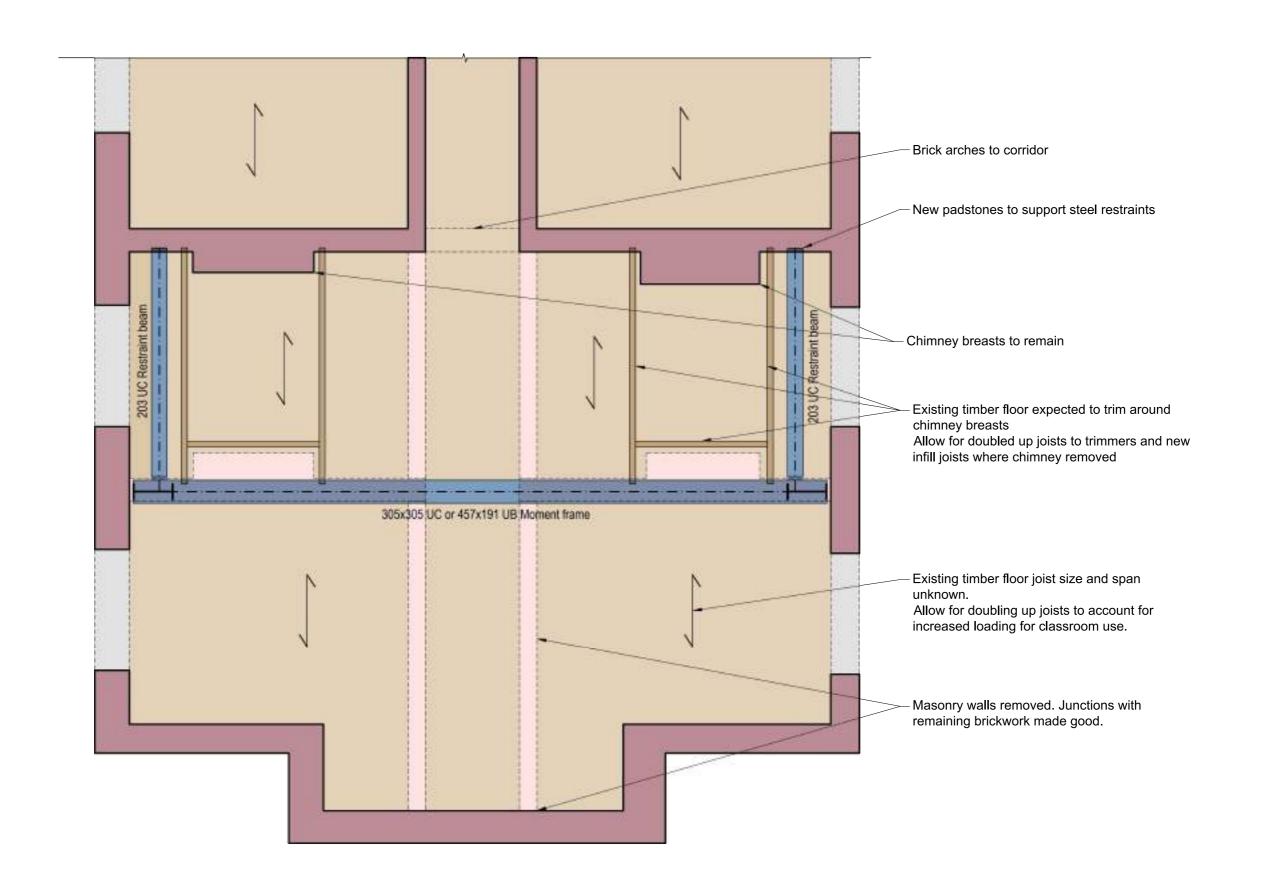
Richmond Hill Campus Date 18/12/2023

Integral Engineering Design 84 Walcot Street









1399 Richmond Hill Campus

SK77

Date 19.12.2023

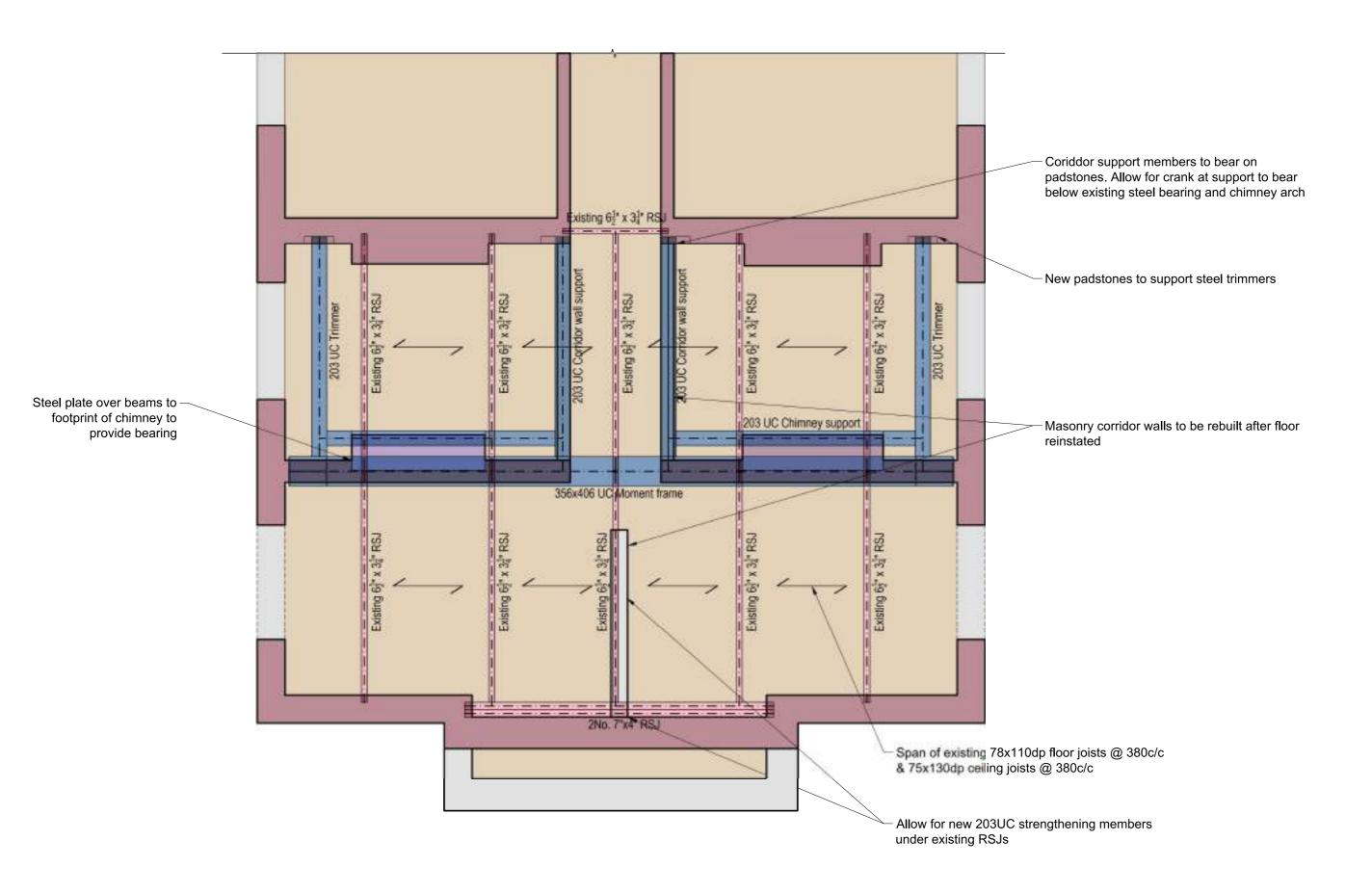
Main Building - 1st & 2nd Floor Wing Proposed Plan

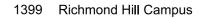
Plot Size A3 Scale 1:50



27/31 Clerkenwell Close London EC1R 0AT

020 7096 0278 01225 859 657 www.integral-engineering.co.uk





Date 19.12.2023 SK78

Plot Size A3 Scale 1:50

engineering design Main Building
3.10 Clerkenwell Workshing 3.10 Clerkenwell Workshing 27/31 Clerkenwell Close London

EC1R 0AT 020 7096 0278 01225 859 657