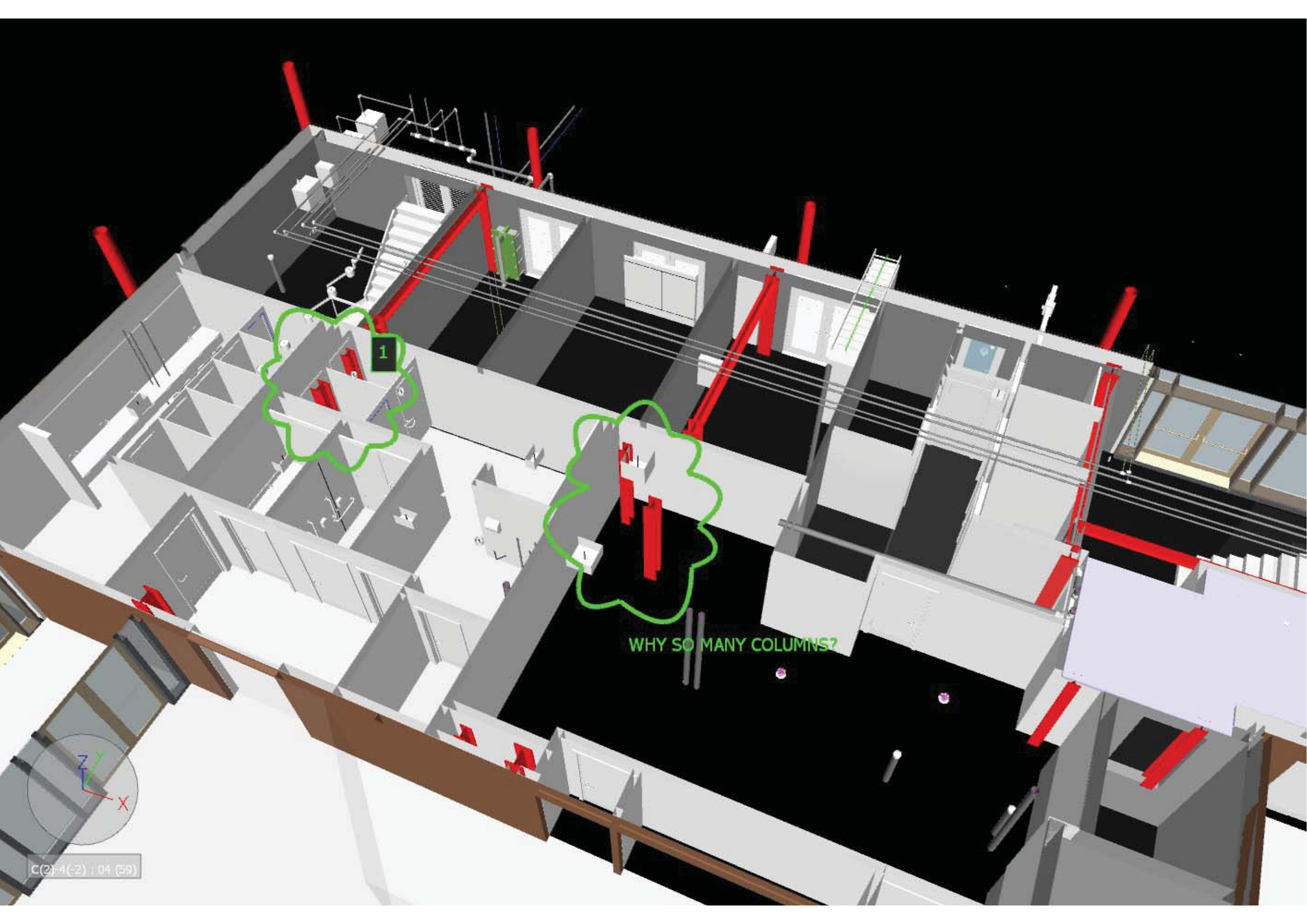
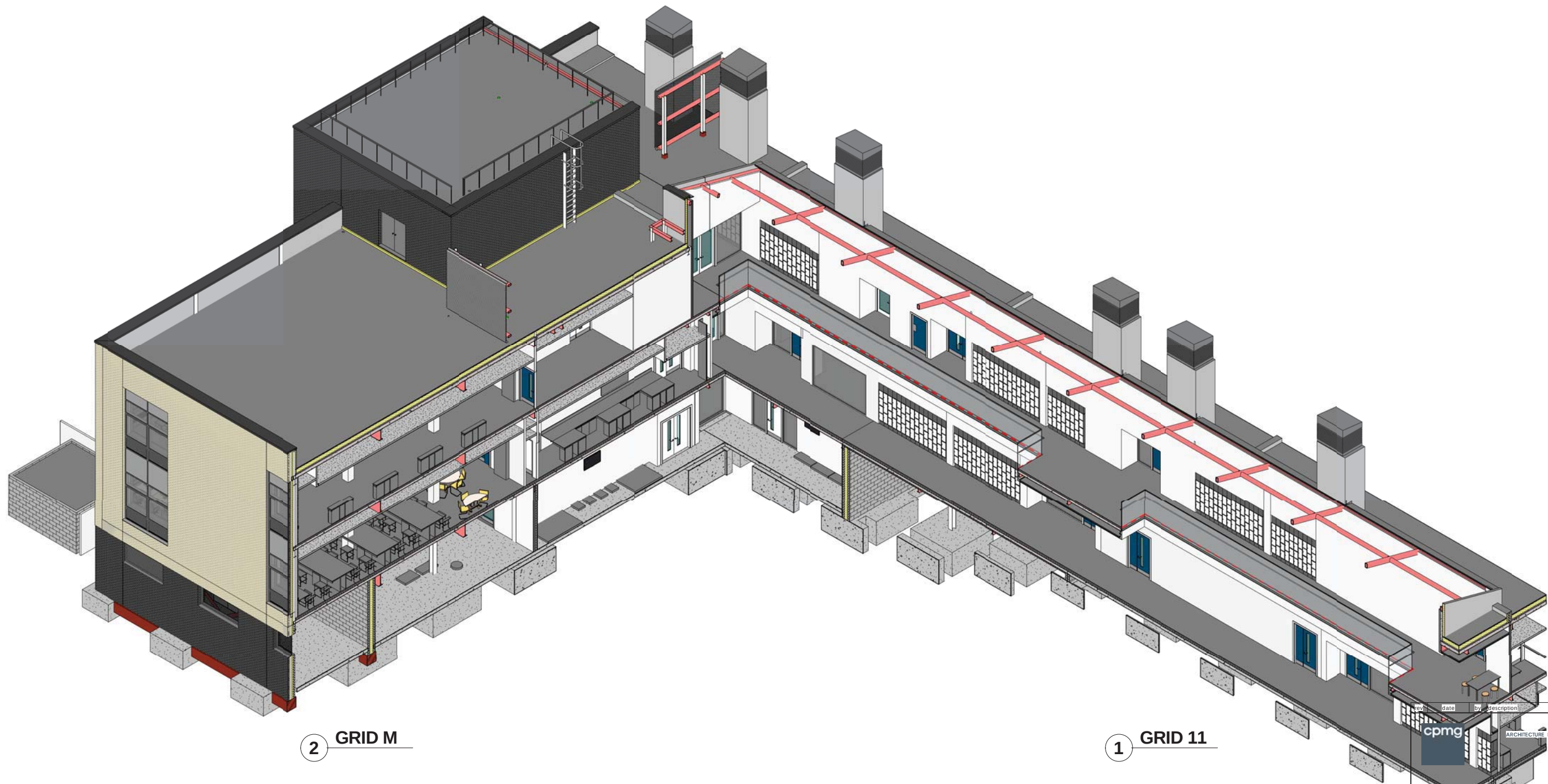






WHY SO MANY COLUMNS?



2 GRID M

1 GRID 11

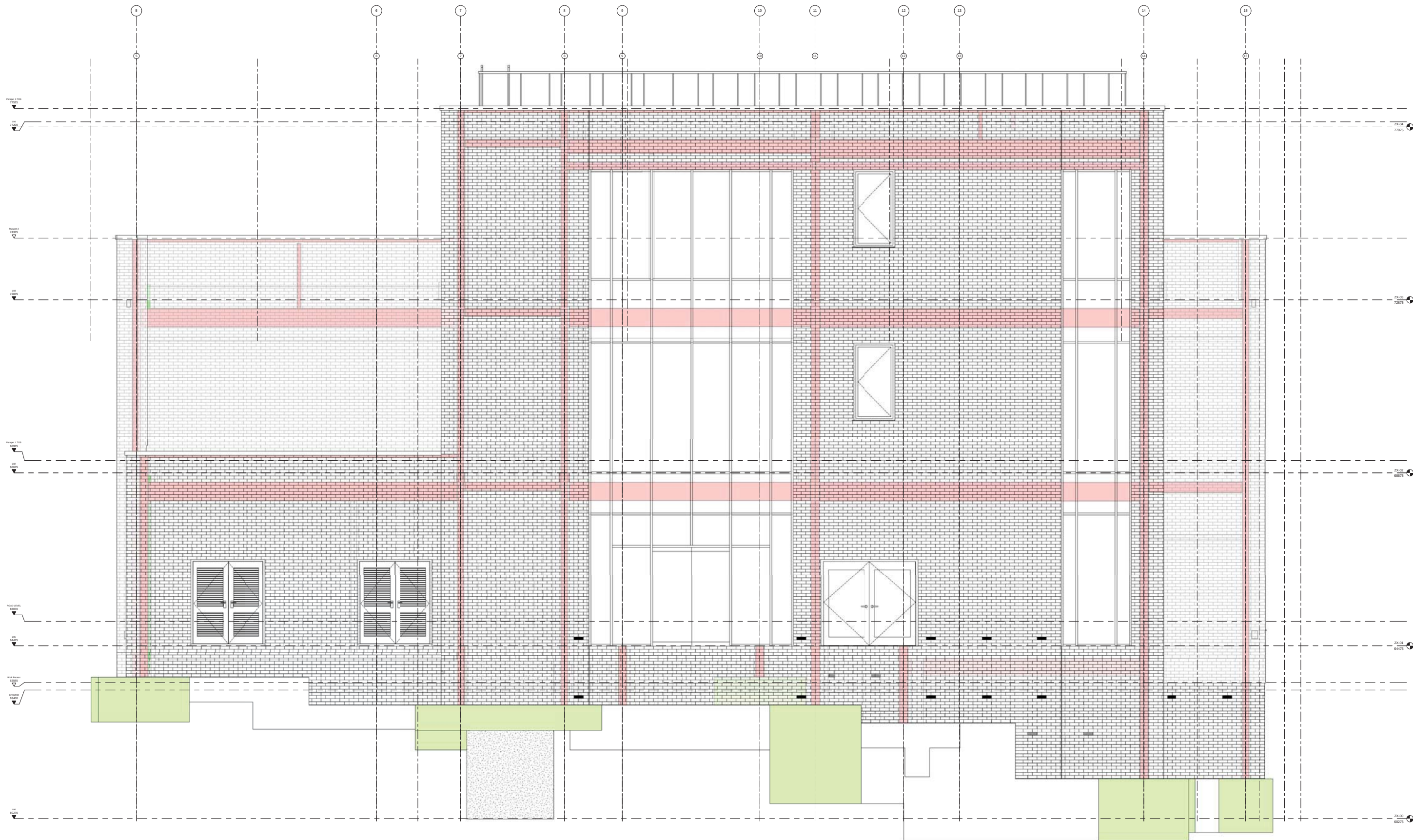
new date by description

chkd

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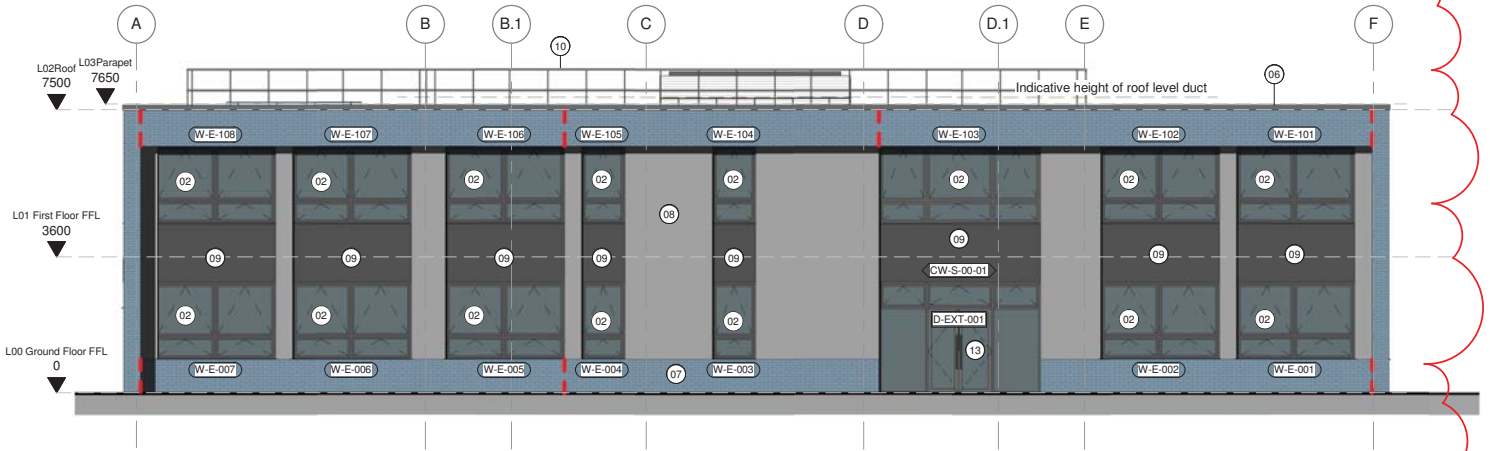
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|-------|
| job title                                                                                                                                                                                                                                                                                                                                |             |            |       |
| STEMLabs - Loughborough University                                                                                                                                                                                                                                                                                                       |             |            |       |
| drawing title                                                                                                                                                                                                                                                                                                                            |             |            |       |
| L-Shaped Section                                                                                                                                                                                                                                                                                                                         |             |            |       |
| drawing status                                                                                                                                                                                                                                                                                                                           |             |            |       |
| SKETCH                                                                                                                                                                                                                                                                                                                                   |             |            |       |
| drawn by                                                                                                                                                                                                                                                                                                                                 | date        | checked by | scale |
| job no.                                                                                                                                                                                                                                                                                                                                  | drawing no. | revision   | media |
| 7874                                                                                                                                                                                                                                                                                                                                     | SK-000      |            | A1    |
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| ISO 9001 QUALITY MANAGEMENT   14001 ENVIRONMENTAL MANAGEMENT                                                                                                                                                                                                                                                                             |             |            |       |



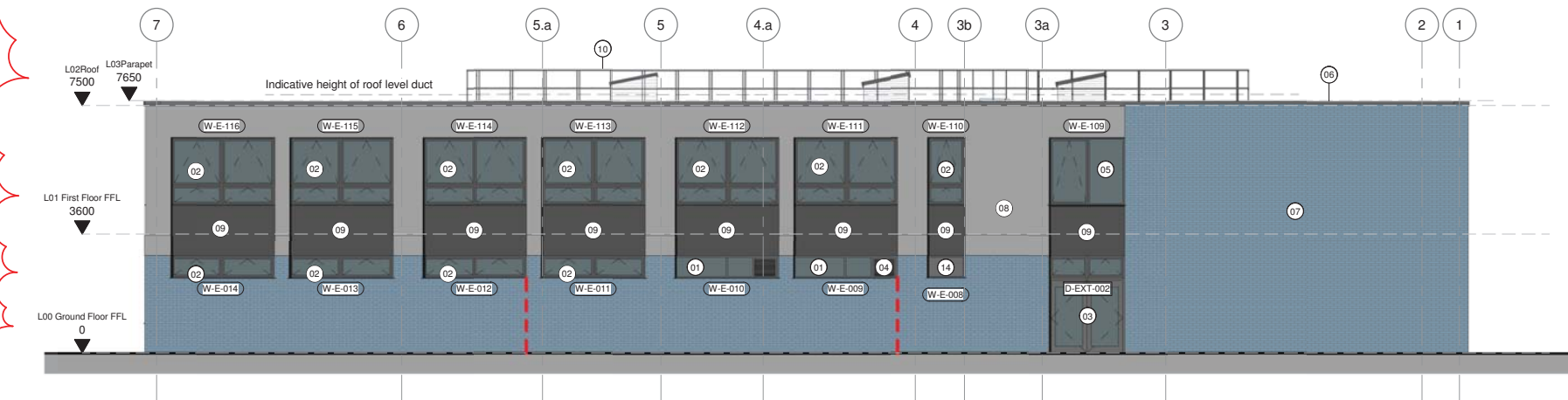
1 North Elevation  
1 : 100



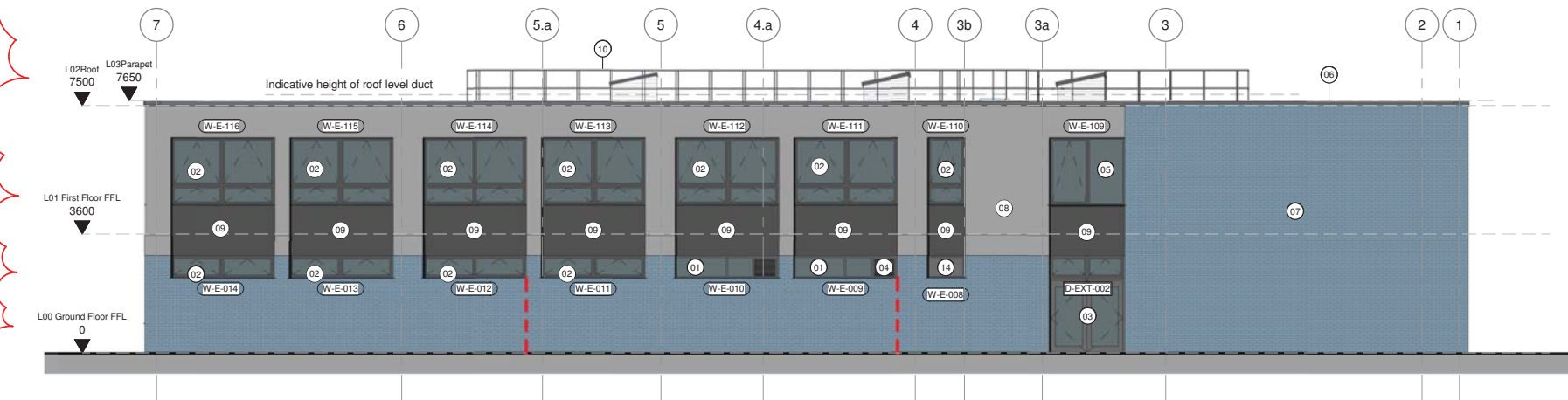
2 South Elevation  
1 : 100



3 East Elevation  
1 : 100



4 West Elevation  
1 : 100



#### Elevation Materials Legend

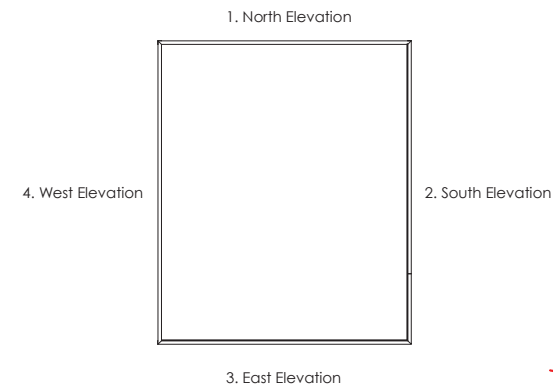
RAL 7016 to all external PPC aluminium.

- Fixed Glazing Panels - Refer to NBS L10/330 for Specification.
- PPC Aluminium Openable Glazing panels - Refer to NBS L10/330 for Specification.
- PPC Aluminium Door Frame, RAL Colour 7016 Refer to NBS L20/280 for Specification
- Louvre Doors & Panels, RAL Colour 7016 Refer to NBS L20/280 for Specification
- Obscure Glazing Panels - Refer to NBS L10 for Specification
- PPC Aluminium flashing, RAL Colour 7016
- Brickwork: Istock Slate Blue Smooth 2232
- Render Colour: Light Grey, RAL Colour 7004
- Render Colour: Dark Grey, Ral Colour 7016
- Balustrade
- Rooflights
- Roof Hatch
- PPC Aluminium Curtain Walling System, RAL Colour 7016
- PPC Insulated Aluminium Solid Panel, RAL Colour 7016

Refer to CPMG drawing series A-7840- 32-001 & 32-002 for External Window and Louvre elevations, 32-005 for External Door and Curtain Wall Elevations and 32-005 for Rooflight Elevations

--- Movement Joints, as per Structural Engineers Details.

Refer to CPMG drawing A-7840-Z031-010 for Brickwork Setting Out.



5 20-020 Elevation Plan  
1 : 500

1 0 1 2 3 4 5  
SCALE 1:100  
m

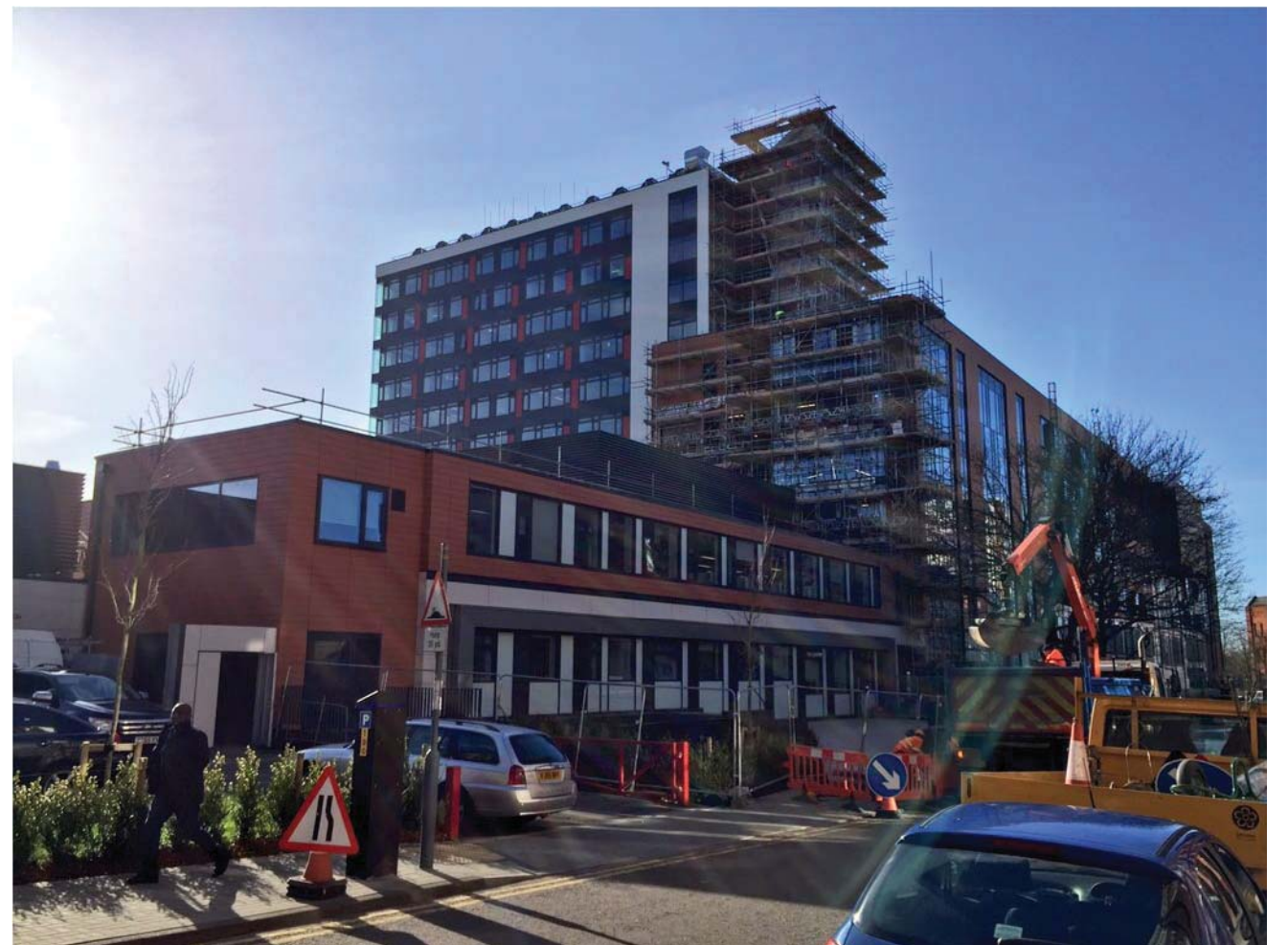
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|-----|------------|----|----------------------------------------------------------------------------------------------------------------------------------------------|------|
| 9   | 22.02.2016 | LH | Drawing number changed from 20-003 to 20-020. Additional information & elevation plan included. Movement joints included. Issue for Comments | JS   |
| 8   | 04.11.2015 | MB | Contractor comments incorporated                                                                                                             | JS   |
| 7   | 30.10.2015 | MB | BAM comments incorporated                                                                                                                    | JS   |
| 6   | 21.10.2015 | MB | Elevation updated                                                                                                                            | JS   |
| 5   | 19.10.2015 | DP | CP 1st issue                                                                                                                                 | JS   |
| 4   | 17.08.2015 | DP | Building size reduced, ext wall thickness amended, escape doors                                                                              | JS   |
| 3   | 11.08.2015 | DP | Lockers rearranged, PA and Seminar 5 size changed, South facade cili height amended; Site boundaries, escape doors, rooflights amended       | JS   |
| 2   | 05.08.2015 | DP | General update                                                                                                                               | JS   |
| 1   | 29.07.2015 | DP | General update                                                                                                                               | JS   |
| rev | date       | by | description                                                                                                                                  | chkd |



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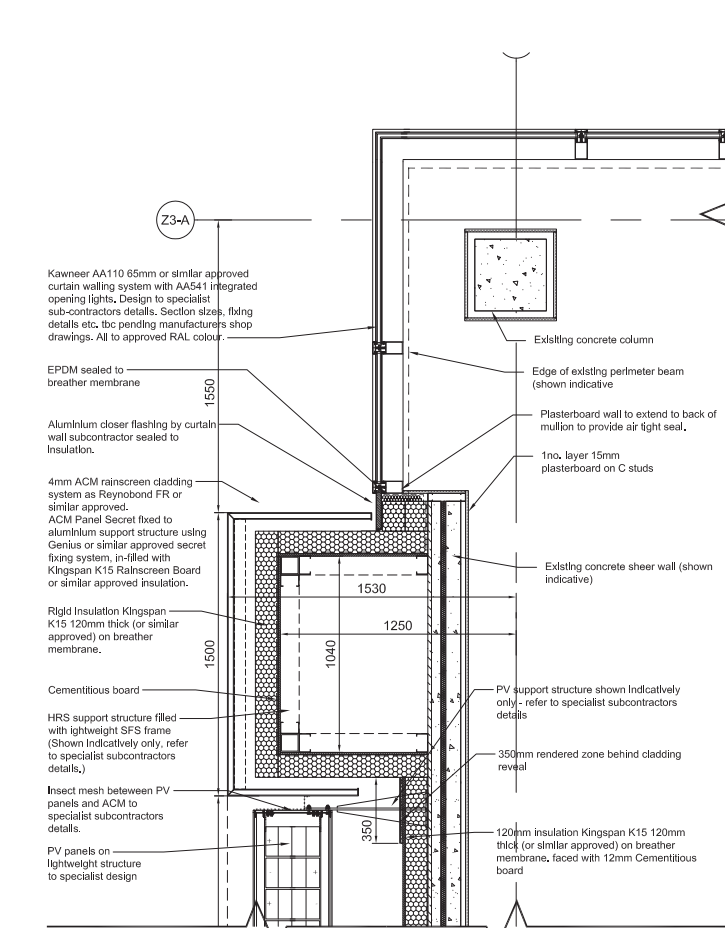
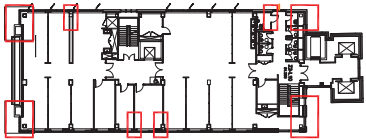
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|                                                                                                                                                                                                                                                                                                                                         |             |            |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|--------------|
| job title                                                                                                                                                                                                                                                                                                                               |             |            |              |
| HARINGTON SCHOOL                                                                                                                                                                                                                                                                                                                        |             |            |              |
| drawing title                                                                                                                                                                                                                                                                                                                           |             |            |              |
| GA Elevations                                                                                                                                                                                                                                                                                                                           |             |            |              |
| drawing status                                                                                                                                                                                                                                                                                                                          |             |            |              |
| FOR COMMENT                                                                                                                                                                                                                                                                                                                             |             |            |              |
| drawn by                                                                                                                                                                                                                                                                                                                                | date        | checked by | scale        |
| DP                                                                                                                                                                                                                                                                                                                                      | 22.07.2015  | JS         | As indicated |
| job no.                                                                                                                                                                                                                                                                                                                                 | drawing no. | revision   | media        |
| 7840                                                                                                                                                                                                                                                                                                                                    | 20-020      | 9          | A1           |
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| ISO 9001: QUALITY MANAGEMENT   14001: ENVIRONMENTAL MANAGEMENT                                                                                                                                                                                                                                                                          |             |            |              |

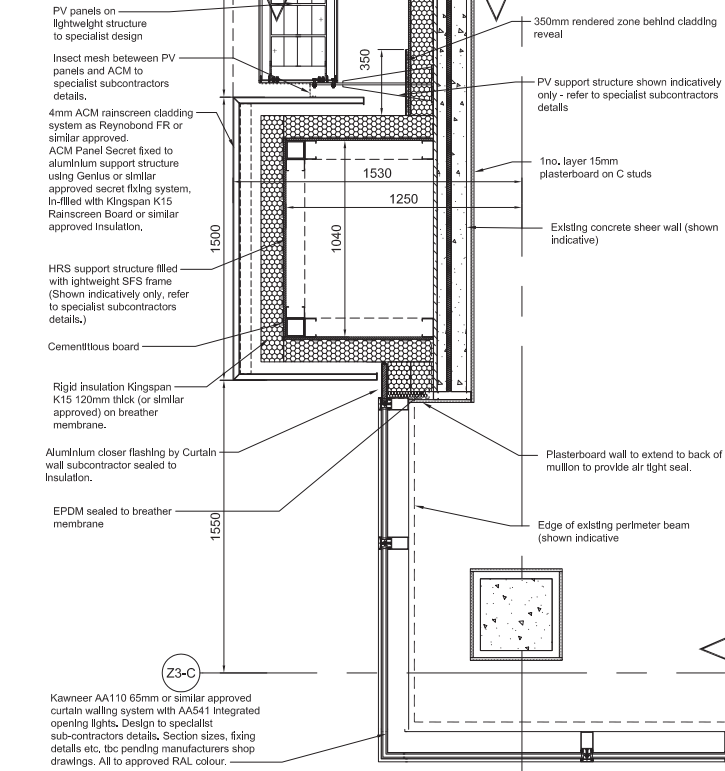




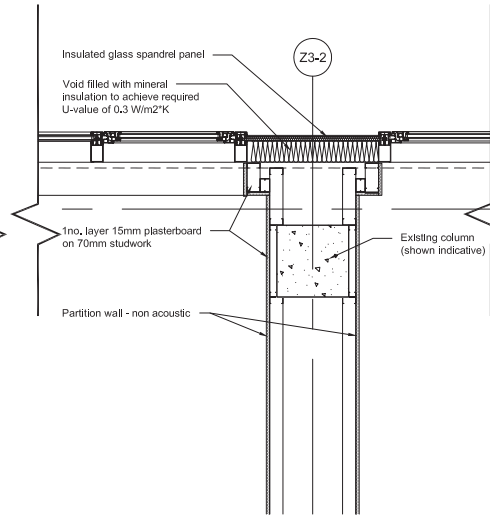
Key Plan



01 DWG Riverside / Mill Lane Corner 1:20@A1

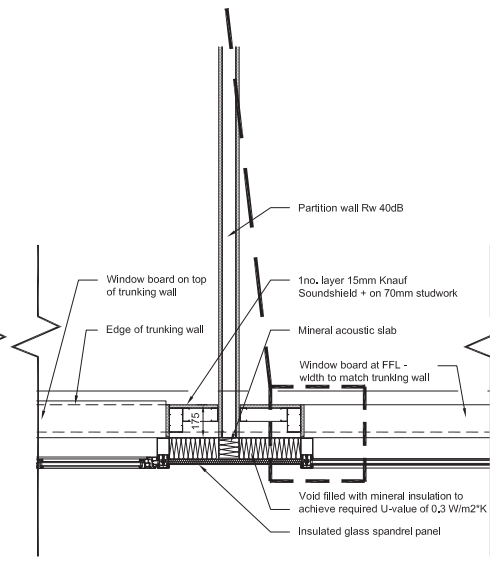
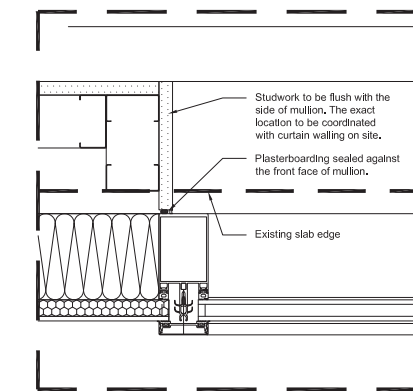


05 DWG Gateway / Mill Lane Corner 1:20@A1

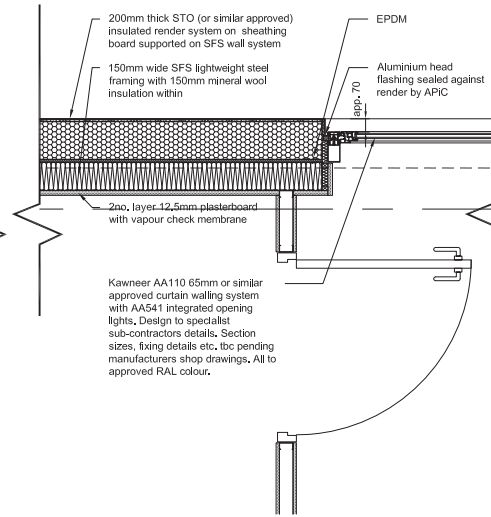


02 DWG Spandrel panel / internal column 1:20@A1

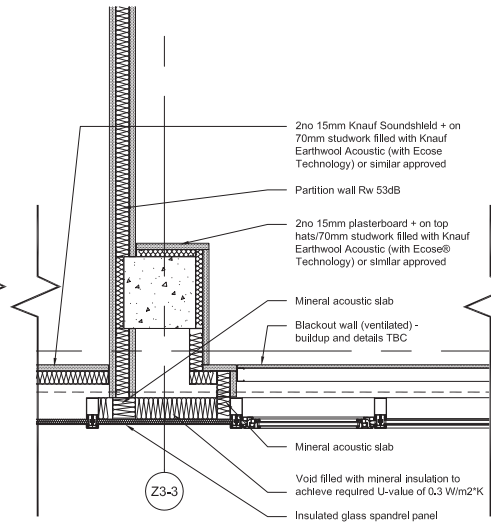
09 DWG Standard plasterboard to mullion detail 1:5@A1



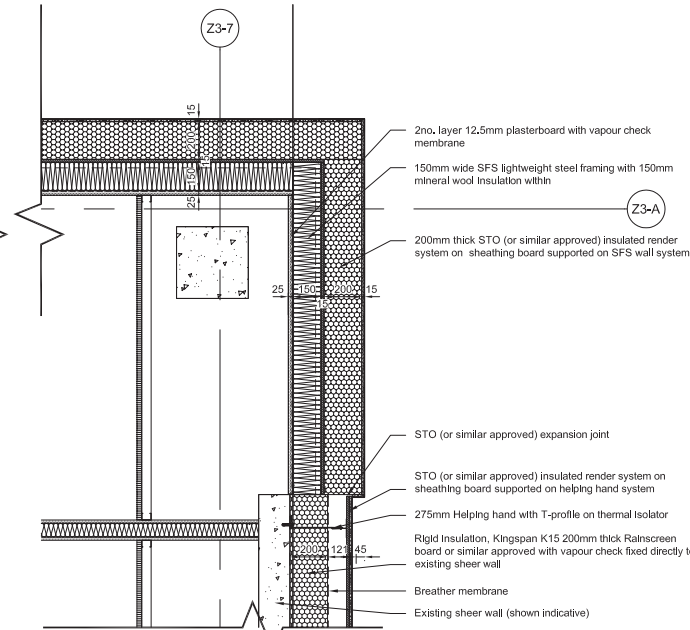
06 DWG Spandrel panel / acoustic int' wall 1:20@A1



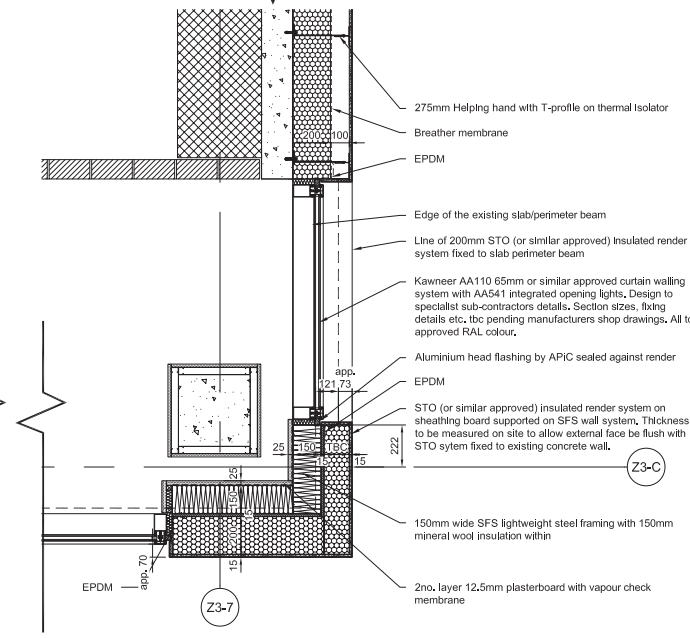
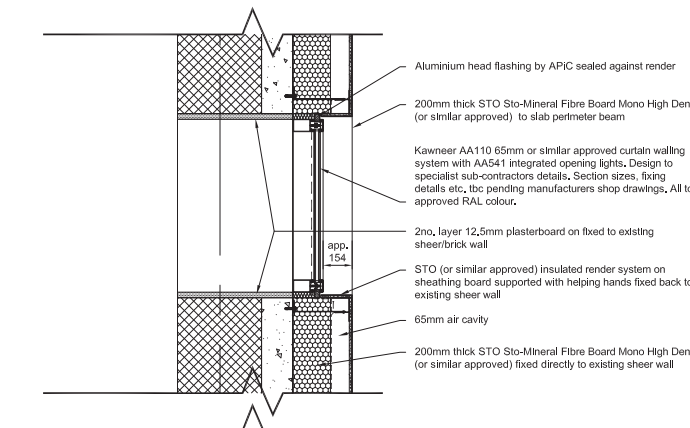
03 DWG Curtain wall / render finished wall 1:20@A1



07 DWG Spandrel panel / acoustic wall/column 1:20@A1



04 DWG Riverside / New Build Corner 1:20@A1



08 DWG Gateway / New Build Corner 1:20@A1

|     |          |    |                                                                                                                                            |      |
|-----|----------|----|--------------------------------------------------------------------------------------------------------------------------------------------|------|
| C11 | 26-10-16 | SV | Rendered reveal to indicated to back wall behind PV's to hide insulation within oversized reveals.                                         | DB   |
| C10 | 10-09-15 | SV | South elevation plan updated to show PV position and cladding offset from gridline                                                         | DB   |
| C9  | 28-05-15 | MB | Details 01 & 05 amended, Proposed steelwork to support PV structure added, Existing concrete wall buildup amended to match site discovery. | SV   |
| C8  | 26-03-15 | MB | Details 02, 06 & 07 amended to match latest acoustic requirements, Internal wall buildup on Details 01&05 changed to match NBS amendments. | SV   |
| C7  | 18-03-15 | MB | Acoustic insulation removed from Details 06 & 08.                                                                                          | SV   |
| C6  | 16-03-15 | MB | Picture frame amended to match PV panels, External insulation added to Picture Frame, CW corner panels dimensioned - TBC by APIC.          | SV   |
| C5  | 23-02-15 | MB | Detail 08 amended to match design development.                                                                                             | SV   |
| C4  | 13-02-15 | MB | Detail 07 amended to match design development.                                                                                             | SV   |
| C3  | 12-02-15 | MB | Partition to curtain wall junction in the toilet area & acoustic wall details amended, Viewports numbered                                  | SV   |
| C2  | 10-02-15 | MB | Partition to curtain wall junction and acoustic detail amended to match latest design development.                                         | SV   |
| C1  | 30-01-15 | SV | First Issue                                                                                                                                | DB   |
| rev | date     | by | description                                                                                                                                | chkd |



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job title  
Fletcher Development DMU

drawing title  
Typical Floor Details - Z3  
External Walls - Sheet 1

drawing status

FOR CONSTRUCTION

|          |             |          |       |
|----------|-------------|----------|-------|
| drawn by | date        | chk'd by | scale |
| MB       | 05-02-2015  | DB       | 1:20  |
| job no.  | drawing no. | revision | media |
| 7730 C66 | 30-001      | C11      | A1    |

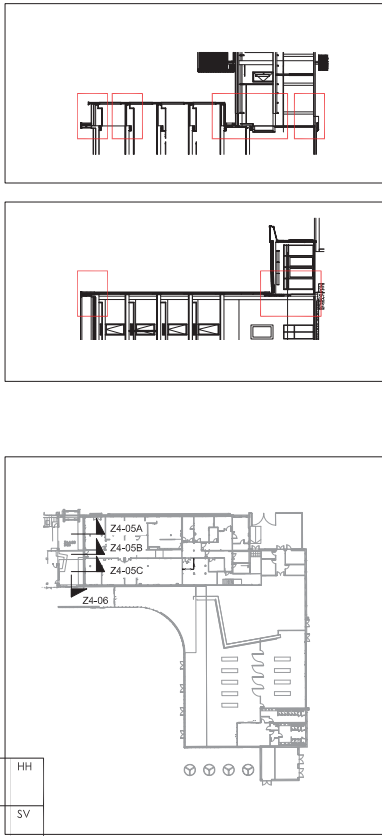
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|     |          |    |                                                                                                                                          |         |
|-----|----------|----|------------------------------------------------------------------------------------------------------------------------------------------|---------|
| C6  | 05/06/15 | SV | Sections updated to show double stud wall around beams, fire compartment lines added.                                                    | HH      |
| C5  | 05/06/15 | MB | TOS levels, curtain wall layout, floor build-up amended to match latest design development.                                              | SV      |
| C4  | 20/04/15 | MB | Floor, curtain wall & Internal pop-out window amended.                                                                                   | SV      |
| C3  | 12/03/15 | MB | Z1 projection roof & Interfloor buildup, Z4 roof notes & Z1/Z4 door amended. New information added to Z4, Cavity fire barrier relocated. | SV      |
| C2  | 10/03/15 | MB | CLASP roof note and L01 mark amended                                                                                                     | SV      |
| C1  | 05/03/15 | MB | First issue                                                                                                                              | SV      |
| rev | date     | by | description                                                                                                                              | checked |

**Note: All existing structure shown Indicatively only - site measurements to be taken prior to manufacture**

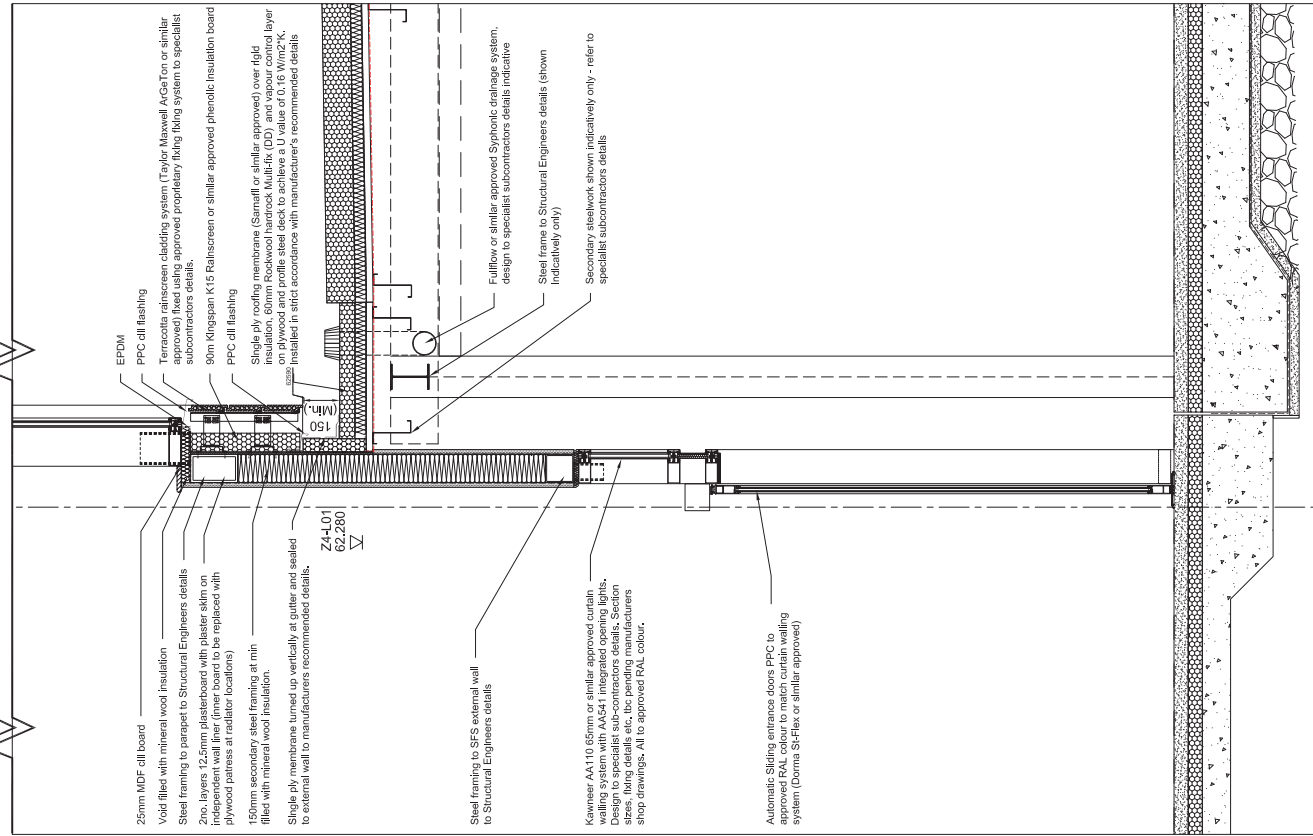
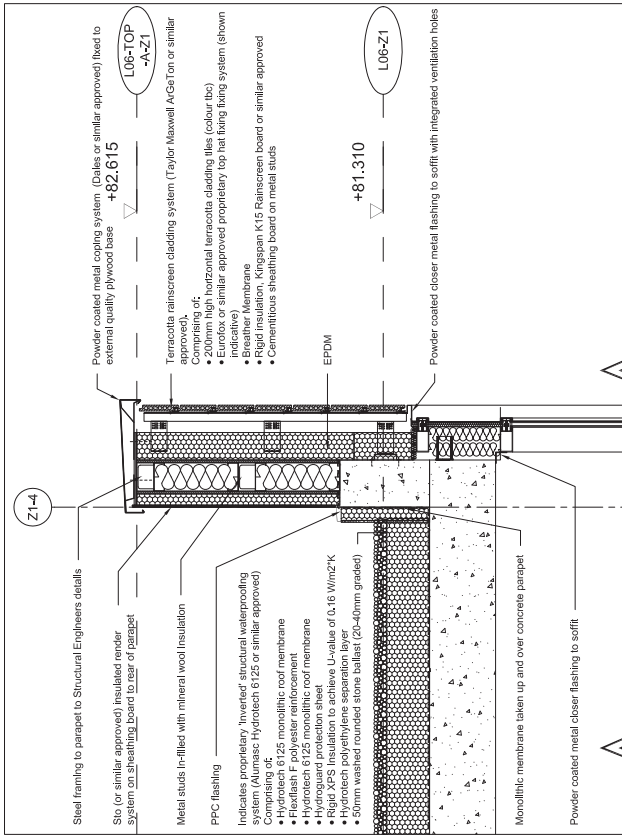
## Z4 PLAN



## Z4-05A

## Z4-06

## Z4-05B



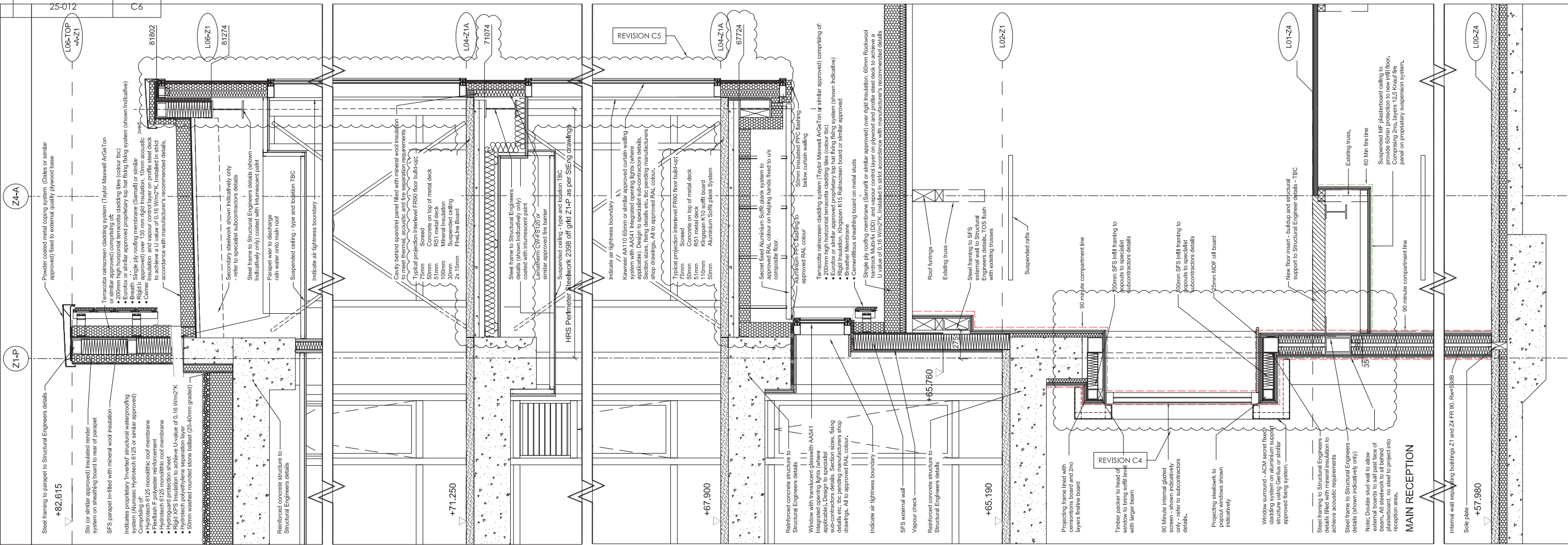
## Strip Section Z4-06

1:20 @ A1

7730

25-012

C6



## Strip Section Z4-05A

1:20 @ A1

|                                                                                                                                                                                                                                                |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| drawing status                                                                                                                                                                                                                                 | FOR CONSTRUCTION |
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|               |                          |
|---------------|--------------------------|
| job title     | Fletcher Complex DMU     |
| drawing title | Z1 & Z4 - Strip Sections |
| Sheet         | 10                       |

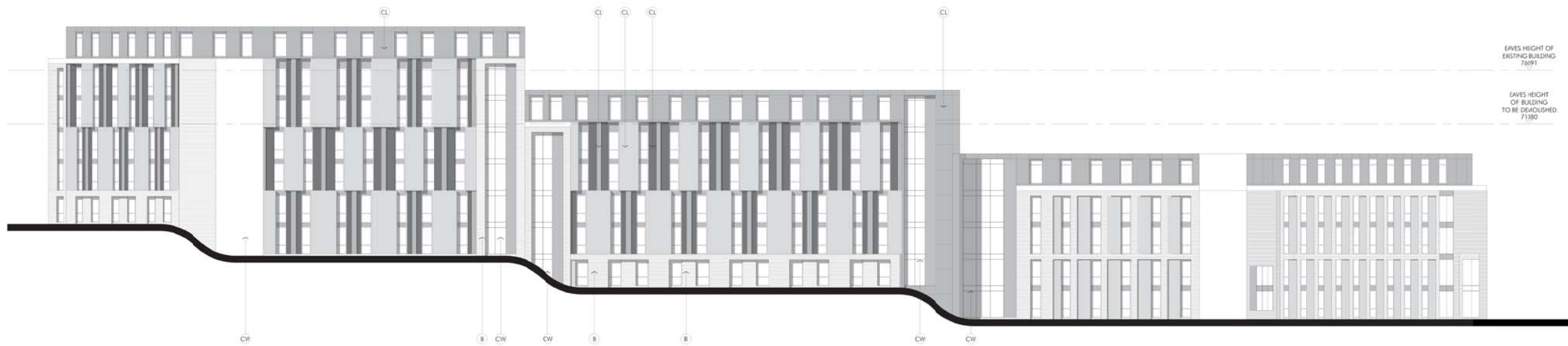


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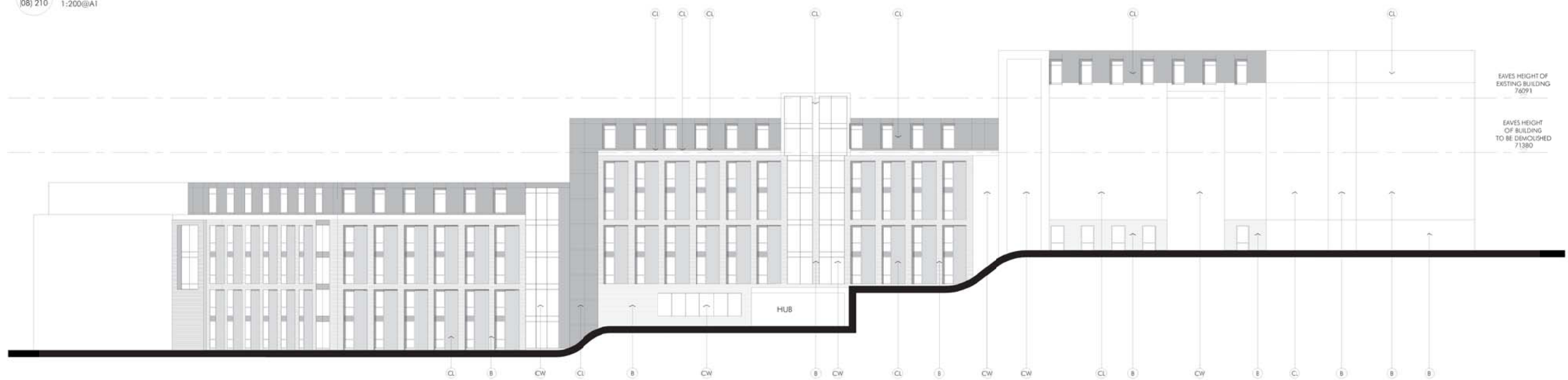
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|          |             |            |       |
|----------|-------------|------------|-------|
| drawn by | date        | checked by | scale |
| MB       | 25/02/15    | SV         | 1:20  |
| job no.  | drawing no. | revision   | media |
| 7730     | 25-012      | C6         | A1    |

Printed: 08 July 2015 17:11:52



A South Elevation  
(08) 210 1:200@A1



B North Elevation  
(08) 210 1:200@A1

SCALE: 1:5  
0m 100 200 300 400 500

CLIENT

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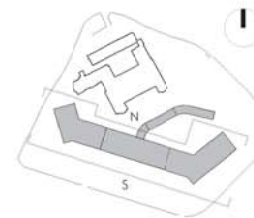
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| REV | DATE | DESCRIPTION | BY | CHKD |
|-----|------|-------------|----|------|
| 1   |      |             |    |      |

NOTES:

ELEVATION MATERIAL NOTES

| NOTE | MATERIAL        |
|------|-----------------|
| B    | BRICK           |
| CL   | CLADDING        |
| CW   | CURTAIN WALLING |



PROJECT TITLE:

Former County Hospital, Durham  
Proposed Student Accommodation

DRAWING TITLE:

Proposed Elevations  
SOUTH & NORTH Elevations

SCALE: 1:200@A1

DATE:

15.08.13

E:\CLAD R\13020\CAD\Drawings\08\

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DRAFT

PROJECT NO:

13020

DWG NO:

(08) 210

REVISION





1 Proposed Street Elevation - Shakespeare Street  
(08)130 1:200@A0



2 Proposed Street Elevation - Sandby Hall  
(08)130 1:200@A0

Proposed Elevations  
Shakespeare Street (South) & Sandby (North)  
1:200@A1

SCALE: 1:200 0m 2 4 6 8 10 12 14 16 18 20

upp

University Partnerships Programme

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REV

DATE

DESCRIPTION

BY

CHWD

A

19.07.11

Minor adjustments to elevations to reflect Internal layout updates.

SAF

Material

A

Description for Planning

Block A Façade - refer to drawing 10550 (08) 160 (1) for details

BC

Block B and C Façades - refer to drawing 10550 (08) 160 (2) for details

D

Block D Façade - refer to drawing 10550 (08) 161 (1) for details

G

Cable Treatment - refer to drawing 10550 (08) 161 (2) for details

5

Large format high gloss white cladding

6

Mid grey multi engineering bricks

8

Dark/grey black curtain walling system with neutral colour solar control glazing

Used Where

Block A

Blocks B and C

Block D

Throughout

Feature White Frames

Below Podium masonry

Windows - gables / living

Material

9

Description for Planning

Silver aluminium curtain walling

10

Silver aluminium extruded blades on PPC aluminium carrier system

11

Dark grey aluminium PPC louvers. Louvered panels to plantrooms and services outlet/inlet positions. (Size and extent of louvered areas to be determined).

12

Dark grey/black framed glass doors

13

Dark Grey solid metal faced doors with matching frames

14

Vertical Treated timber fins to form screen and balustrading system

15

Glass screen with PPC metal guarding behind

16

Large format light/dark grey cladding panels

Used Where

Curtain Walling below podium

Brise Soleil

Louvers

Doors to accommodation

Solid Doors

Boundary Treatments

Balustrading

Block D

Scale:

1:200@A1

Date:

JF

26.04.11

PROJECT TITLE:

Proposed Redevelopment of Byron House, Nottingham Trent University

DRAWING TITLE:

Proposed Elevations  
Shakespeare Street (South) & Sandby (North)

PROJECT NO:

10550

DWG NO:

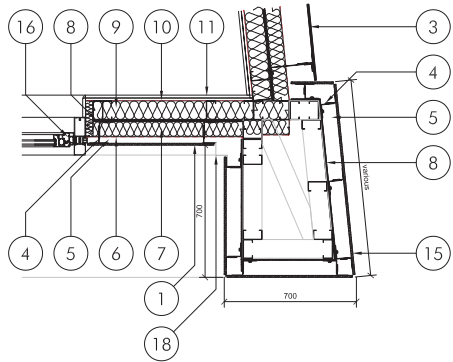
(08) 130

REVISION:

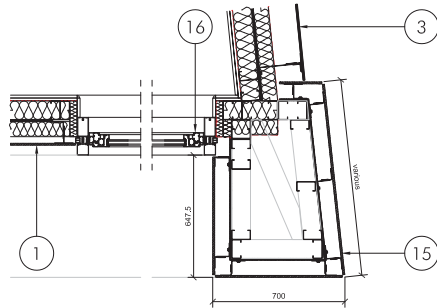
A

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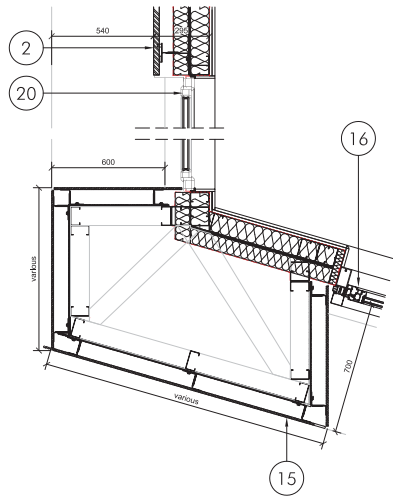
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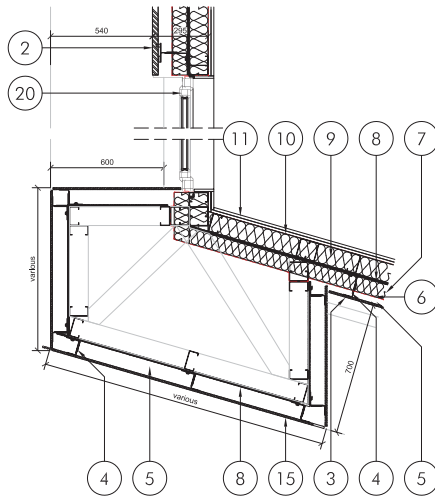
7 EWT 12 - Corner to Cladding  
(21)0011 Plan 1:20



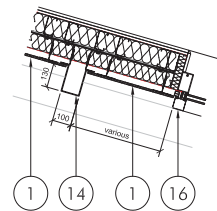
8 EWT 12 - Corner to Glazing  
(21)0011 Plan 1:20



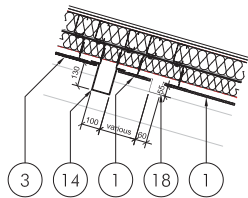
9 EWT 12 - Corner to Glazing  
(21)0011 Plan 1:20



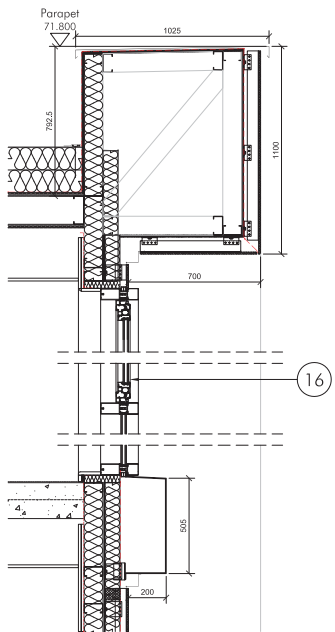
10 EWT 12 - Corner to Cladding  
(21)0011 Plan 1:20



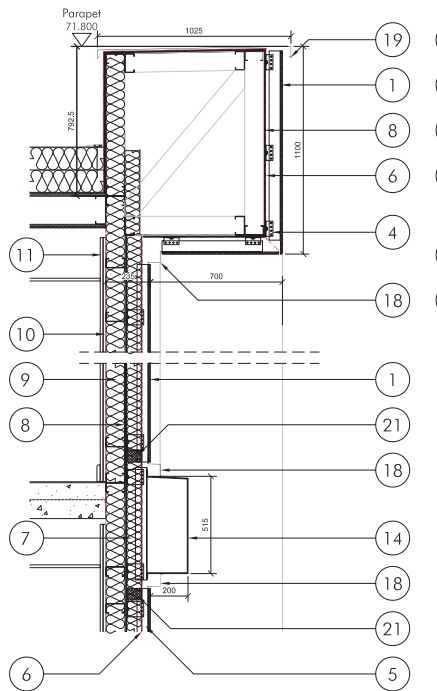
11 EWT 12 - Vertical Feature  
(21)0011 Plan 1:20



12 EWT 12 - Vertical Feature  
(21)0011 Plan 1:20

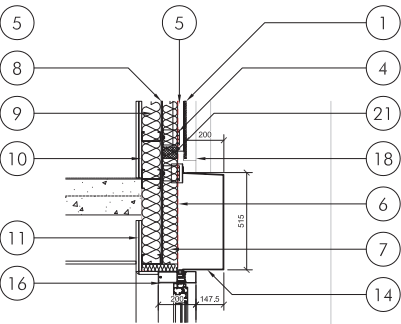


1 EWT 12 - Parapet above glazing  
(21)0011 Section 1:20

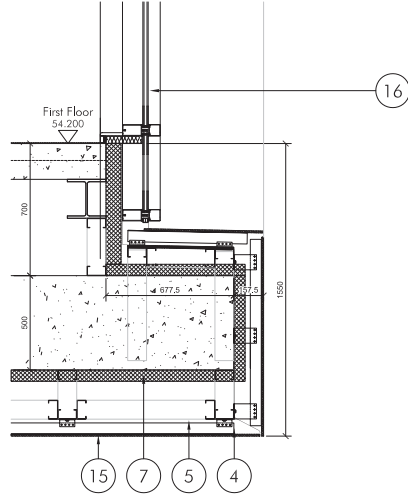
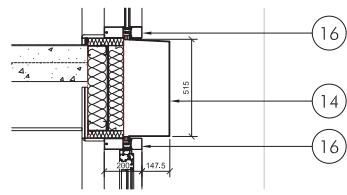


2 EWT 12 - Parapet above cladding  
(21)0011 Section 1:20

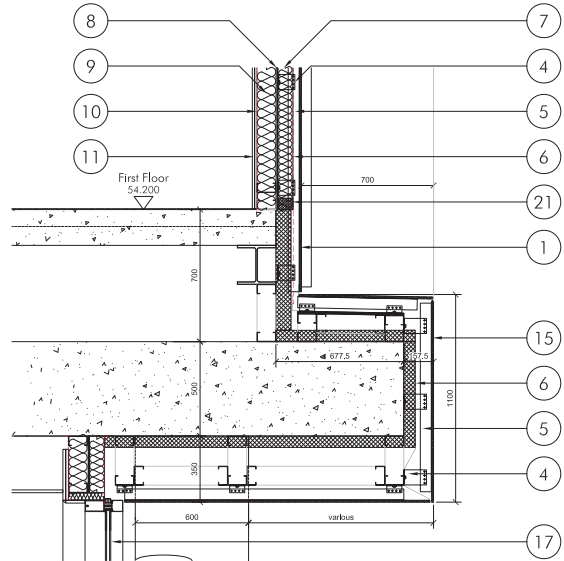
4 EWT 12 - Feature at Cladding over Glazing  
(21)0011 Section 1:20



3 EWT 12 - Feature above Glazing  
(21)0011 Section 1:20



5 EWT 12 - Podium  
(21)0011 Section 1:20



6 EWT 12 - Podium  
(21)0011 Section 1:20

Wall Construction Key:

1. Rockpanel Rainscreen compressed mineral fibre cladding board with gasket to all vertical framing interfaces
2. ArGeTon ceramic tiles cladding
3. Chromatic Glass cladding
4. Aluminium bracket + 'P' rail cladding support system - max. 225mm
5. Min. 35mm free air cavity
6. Breather membrane as required by insulation type  
-> to be extended where doors & windows openings occur
7. 80mm high performance rigid thermal insulation - Kingspan K15 as per NBS
8. Cementitious board
9. 100mm METSEC frame with 100mm mineral fibre infill
10. Vapour control layer

11. 2x 15mm Frelene board
12. 100mm block work
13. Lightweight render finish
14. Reynobond feature profiles
15. Reynobond cassette panels
16. Curtain wall - individual window unit
17. Curtain walling - full elevation
18. PPC aluminium sill + flashing profile
19. PPC aluminium coping profile
20. UPVC window
21. Proprietary intumescent rainscreen cavity closer to maintain min. 35mm cavity

Strip Sections  
Details

1:20@A1

SCALE: 1:20 0mm 200 400 600 800 1000

CLIENT:



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All dimensions and setting out to be verified on site. If in doubt contact the  
originator for clarification. Do not scale off this drawing

| REV | DATE | DESCRIPTION | BY | CHKD |
|-----|------|-------------|----|------|
|-----|------|-------------|----|------|

NOTES: Materials List

| Ref | Type  | Description                                                   |
|-----|-------|---------------------------------------------------------------|
| 1   | EWT1  | Masonry; Gill St                                              |
| 2   | EWT2  | Render; Gill St                                               |
| 3   | EWT3  | Rainscreen Panel; Gill Street                                 |
| 4   | EWT4  | Rainscreen Panel; Byron House                                 |
| 5   | EWT5  | Spandrel Panel; Byron House                                   |
| 6   | EWT6  | Terracotta Rainscreen; Byron House                            |
| 7   | EWT7  | Glass Rainscreen; Byron House                                 |
| 8   | EWT8  | Masonry Below Podium; Byron House                             |
| 9   | EWT9  | Louvers to Plant; Byron House                                 |
| 10  | EWT10 | Curtain Wall below Podium; Byron House                        |
| 11  | EWT11 | Full Height Curtain Wall; Byron House                         |
| 12  | EWT12 | Hybrid Rainscreen & Curtain Wall Window; Byron House          |
| 13  | EWT13 | Aluminium Plastic Composite Rainscreen Cassettes; Byron House |

- Hot rolled steel members to be integrated in accordance  
with the S.E. design to provide additional stability to the  
frame.

PROJECT TITLE:

Proposed Redevelopment of Byron House  
Nottingham Trent University

DRAWING TITLE:

Strip Sections - Sheet 1 of 2  
Details

SCALE:

1:20@A1

DRAWN:

mb

CHECKED:

DATE:

21.07.11

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PROJECT NO:

10550

DWG NO:

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Tender

