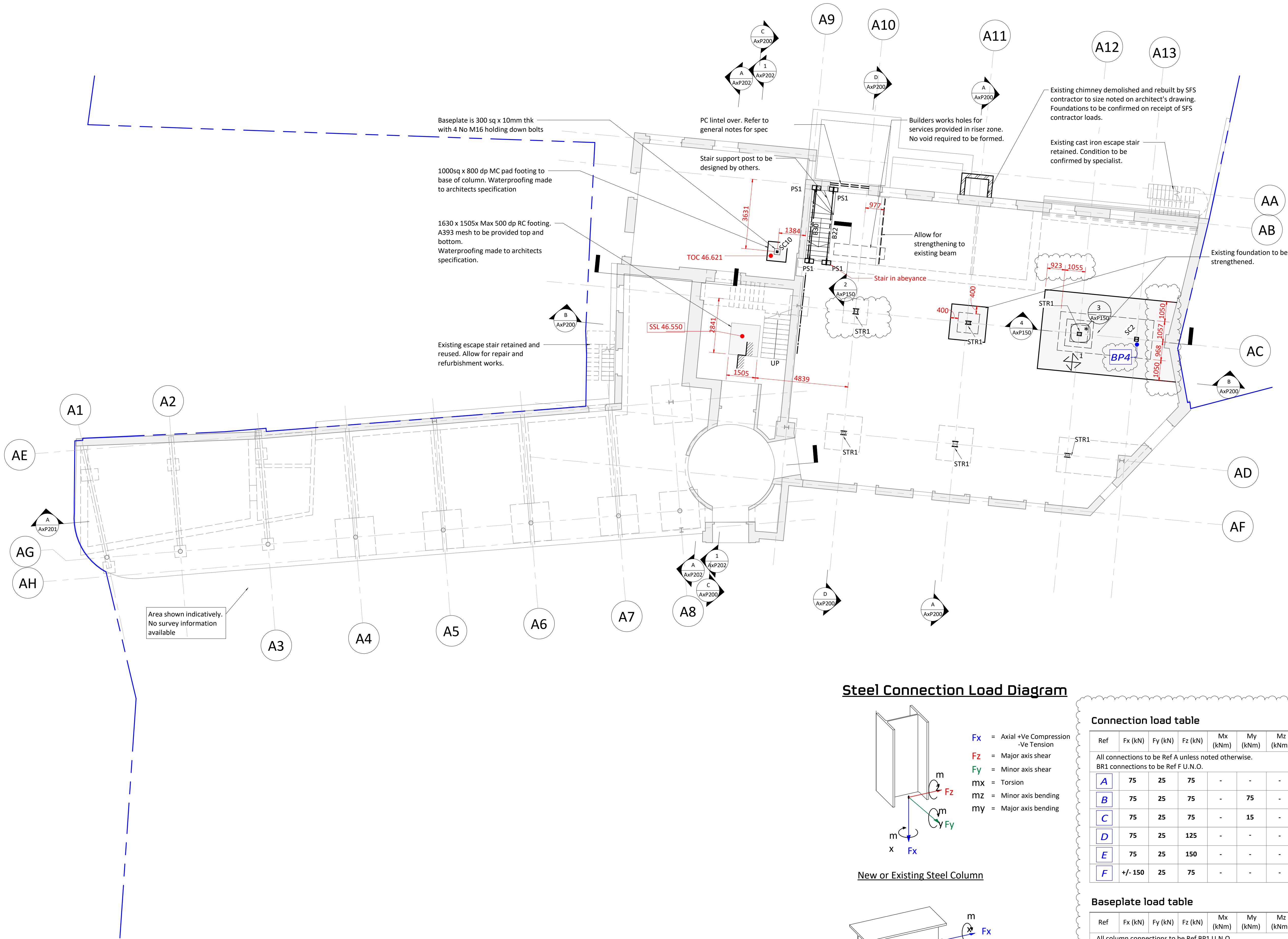
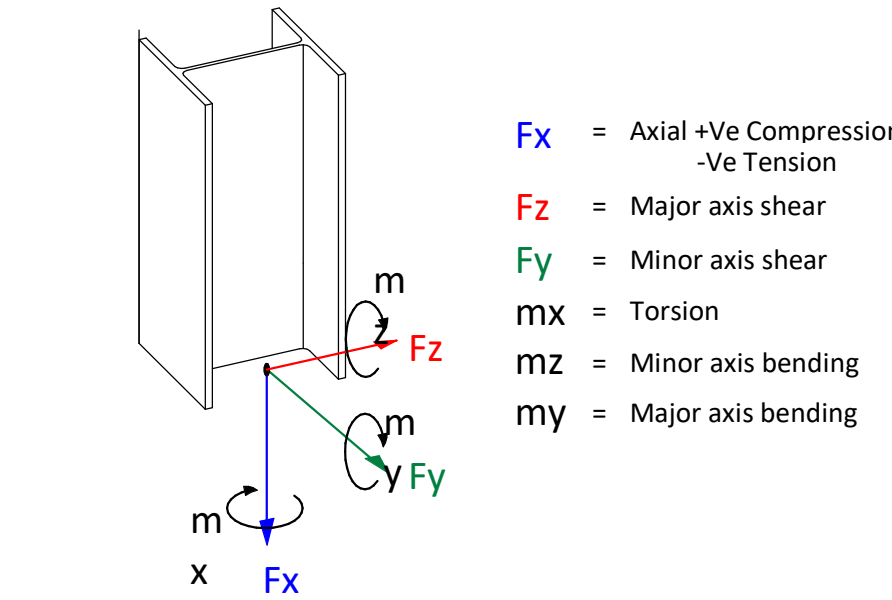
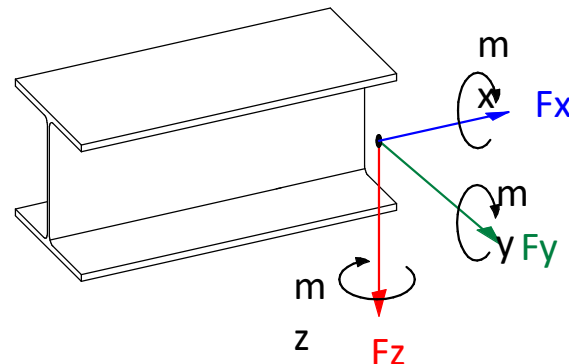




Steel Connection Load Diagram



New or Existing Steel Column



New Or Existing Steel Beam

Connection load table

| Ref                                                                                       | Fx (kN) | Fy (kN) | Fz (kN) | Mx (kNm) | My (kNm) | Mz (kNm) |
|-------------------------------------------------------------------------------------------|---------|---------|---------|----------|----------|----------|
| All connections to be Ref A unless noted otherwise.<br>BR1 connections to be Ref F U.N.O. |         |         |         |          |          |          |
| A                                                                                         | 75      | 25      | 75      | -        | -        | -        |
| B                                                                                         | 75      | 25      | 75      | -        | 75       | -        |
| C                                                                                         | 75      | 25      | 75      | -        | 15       | -        |
| D                                                                                         | 75      | 25      | 125     | -        | -        | -        |
| E                                                                                         | 75      | 25      | 150     | -        | -        | -        |
| F                                                                                         | +/- 150 | 25      | 75      | -        | -        | -        |

Baseplate load table

| Ref                                         | Fx (kN) | Fy (kN) | Fz (kN) | Mx (kNm) | My (kNm) | Mz (kNm) |
|---------------------------------------------|---------|---------|---------|----------|----------|----------|
| All column connections to be Ref BP1 U.N.O. |         |         |         |          |          |          |
| A                                           | 150     | 75      | 75      | -        | -        | -        |
| B                                           | 250     | 75      | 75      | -        | -        | -        |
| C                                           | +/- 100 | 75      | 75      | -        | -        | -        |

100mm @ A1 (50mm @ A3)

- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm
- All proposed details shown are based on archive drawings and limited opening up works. Assumptions have been made regarding existing construction. All proposed details are preliminary only and final detailing will be required following completion of further opening up works.

Column Schedule

|      |                                            |
|------|--------------------------------------------|
| SC1  | 203x133x30 UB                              |
| SC2  | 203x203x46 UC                              |
| SC4  | 152x152x23 UC                              |
| SC10 | 90x90x10 SHS                               |
| SC11 | 200x120x6.3 RHS                            |
| SC16 | 180x180x10 SHS                             |
| STR1 | 2No 10mm plates welded to existing columns |

Beam Schedule

|     |                              |
|-----|------------------------------|
| B1  | 152x152x30 UC                |
| B4  | 254x254x73 UC                |
| B5  | 203x133x30 UB                |
| B6  | 200x90x30 PFC                |
| B9  | 203x203x46 UC                |
| B11 | UC152x152x30 w/ bottom plate |
| B13 | 203x203x71 UC                |
| B16 | 203x203x86 UC                |
| B18 | 254x102x22 UB                |
| B22 | 203x203x52 UC                |
| B23 | 203x102x23 UB                |
| B24 | 203x203x60 UC                |
| B28 | 254x254x132 UC               |
| B30 | 152x152x23 UC                |
| B42 | 150x100x8 RHS                |
| B43 | 254x254x89 UC                |
| B44 | 200x150x10 RHS               |
| B45 | UB356x171x57                 |
| BR1 | 100x10 MS Flat Bracing       |

Floor Schedule

|    |                                                                                      |
|----|--------------------------------------------------------------------------------------|
| 1  | 200 thk RC slab                                                                      |
| 4  | 200 d x 63 w C24 joists at 400 crs with 18 thk plywood screwed to top face of joists |
| 9  | 150 d x 50 w C16 joists at 300 crs with 18 thk plywood screwed to top face of joists |
| 20 | 200 d x 63 w C24 joists at 300 crs with 18 thk plywood screwed to top face of joists |

Legend

|  |                                                                                                             |
|--|-------------------------------------------------------------------------------------------------------------|
|  | Proposed RC structure                                                                                       |
|  | Proposed WRC structure                                                                                      |
|  | Proposed Steel Framing                                                                                      |
|  | 200 x 63 C16 wall plate resin fixed to existing masonry wall with Hilti HIT HY 270 + M16 anchors at 400 crs |
|  | PS1 440 x 100wd x 215dp MC padstone<br>PS2 600 x 200wd x 215dp MC padstone                                  |
|  | ST Connection Strengthening<br>S Crank<br>M Splice                                                          |
|  | TB Thermal Break<br>BR Break in beam                                                                        |
|  | B1 [25mm] Pre-camber                                                                                        |

|    |          |     |    |                         |
|----|----------|-----|----|-------------------------|
| C5 | 25.03.22 | IRS | BW | Revised as clouded      |
| C4 | 07.03.22 | IRS | BW | Revised as clouded      |
| C3 | 11.02.22 | IRS | BW | Revised as clouded      |
| C2 | 12.05.21 | IRS | BW | Issued for Coordination |
| C1 | 18.01.21 | IRS | BW | Issued for Coordination |

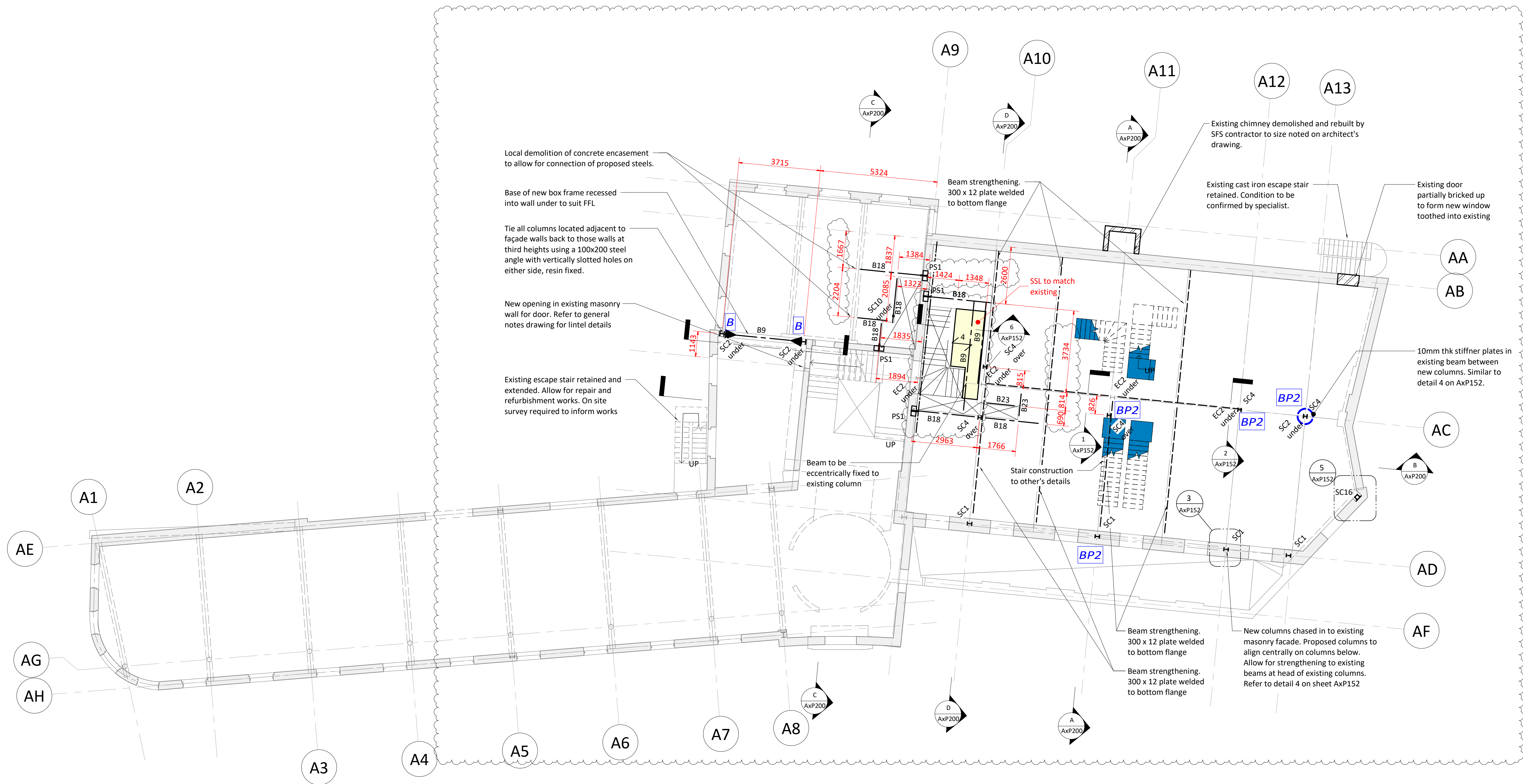
| Rev | Date | By | Eng | Amendments |
|-----|------|----|-----|------------|
|-----|------|----|-----|------------|

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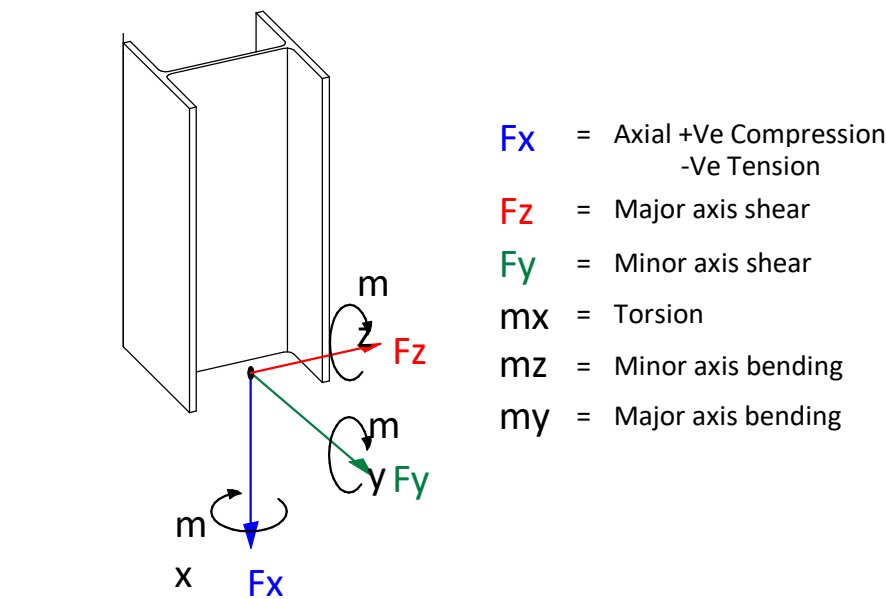
Job Name  
**Hornsey Town Hall**  
**N8 9JJ**  
**Block: Annex**  
Drawing Title  
**Proposed Annex**  
**Ground Floor**

Purpose of Issue **Construction** Scale at A1 **As indicated**

Drg No **1862 / AXP100** Rev **C5**



### Steel Connection Load Diagram



### Connection load table

| Ref                                                                                       | Fx (kN) | Fy (kN) | Fz (kN) | Mx (kNm) | My (kNm) | Mz (kNm) |
|-------------------------------------------------------------------------------------------|---------|---------|---------|----------|----------|----------|
| All connections to be Ref A unless noted otherwise.<br>BR1 connections to be Ref F U.N.O. |         |         |         |          |          |          |
| A                                                                                         | 75      | 25      | 75      | -        | -        | -        |
| B                                                                                         | 75      | 25      | 75      | -        | 75       | -        |
| C                                                                                         | 75      | 25      | 75      | -        | 15       | -        |
| D                                                                                         | 75      | 25      | 125     | -        | -        | -        |
| E                                                                                         | 75      | 25      | 150     | -        | -        | -        |
| F                                                                                         | +/- 150 | 25      | 75      | -        | -        | -        |

### Baseplate load table

| Ref                                         | Fx (kN) | Fy (kN) | Fz (kN) | Mx (kNm) | My (kNm) | Mz (kNm) |
|---------------------------------------------|---------|---------|---------|----------|----------|----------|
| All column connections to be Ref BP1 U.N.O. |         |         |         |          |          |          |
| A                                           | 150     | 75      | 75      | -        | -        | -        |
| B                                           | 250     | 75      | 75      | -        | -        | -        |
| C                                           | +/- 100 | 75      | 75      | -        | -        | -        |

100mm @ A1 (50mm @ A3)

- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm
- All proposed details shown are based on archive drawings and limited opening up works. Assumptions have been made regarding existing construction. All proposed details are preliminary only and final detailing will be required following completion of further opening up works.

### Column Schedule

|      |                                            |
|------|--------------------------------------------|
| SC1  | 203x133x30 UB                              |
| SC2  | 203x203x46 UC                              |
| SC4  | 152x152x23 UC                              |
| SC10 | 90x90x10 SHS                               |
| SC11 | 200x120x6.3 RHS                            |
| SC16 | 180x180x10 SHS                             |
| STR1 | 2No 10mm plates welded to existing columns |

### Beam Schedule

|     |                              |
|-----|------------------------------|
| B1  | 152x152x30 UC                |
| B4  | 254x254x73 UC                |
| B5  | 203x133x30 UB                |
| B6  | 200x90x30 PFC                |
| B9  | 203x203x46 UC                |
| B11 | UC152x152x30 w/ bottom plate |
| B13 | 203x203x71 UC                |
| B16 | 203x203x86 UC                |
| B18 | 254x102x22 UB                |
| B22 | 203x203x52 UC                |
| B23 | 203x102x23 UB                |
| B24 | 203x203x60 UC                |
| B28 | 254x254x132 UC               |
| B30 | 152x152x23 UC                |
| B42 | 150x100x8 RHS                |
| B43 | 254x254x89 UC                |
| B44 | 200x150x10 RHS               |
| B45 | UB356x171x57                 |
| BR1 | 100x10 MS Flat Bracing       |

### Floor Schedule

|    |                                                                                      |
|----|--------------------------------------------------------------------------------------|
| 1  | 200 thk RC slab                                                                      |
| 4  | 200 d x 63 w C24 joists at 400 crs with 18 thk plywood screwed to top face of joists |
| 9  | 150 d x 50 w C16 joists at 300 crs with 18 thk plywood screwed to top face of joists |
| 20 | 200 d x 63 w C24 joists at 300 crs with 18 thk plywood screwed to top face of joists |

### Legend

|  |                                                                                                             |
|--|-------------------------------------------------------------------------------------------------------------|
|  | Proposed RC structure                                                                                       |
|  | Proposed WRC structure                                                                                      |
|  | Proposed Steel Framing                                                                                      |
|  | 200 x 63 C16 wall plate resin fixed to existing masonry wall with Hilti HIT HY 270 + M16 anchors at 400 crs |
|  | 440 x 100wd x 215dp MC padstone                                                                             |
|  | 600 x 200wd x 215dp MC padstone                                                                             |
|  | Connection Strengthening                                                                                    |
|  | Crank                                                                                                       |
|  | Splice                                                                                                      |
|  | Moment connection                                                                                           |
|  | Thermal Break                                                                                               |
|  | Break in beam                                                                                               |
|  | Pre-camber                                                                                                  |

|    |          |     |    |                         |
|----|----------|-----|----|-------------------------|
| C4 | 25.03.22 | IRS | BW | Revised as clouded      |
| C3 | 11.02.22 | IRS | BW | Issued for Construction |
| C2 | 12.05.21 | IRS | BW | Issued for Construction |
| C1 | 18.01.21 | IRS | BW | Issued for Construction |

| Rev | Date | By | Eng | Amendments |
|-----|------|----|-----|------------|
|-----|------|----|-----|------------|

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**TILLET**  
**STEEL**

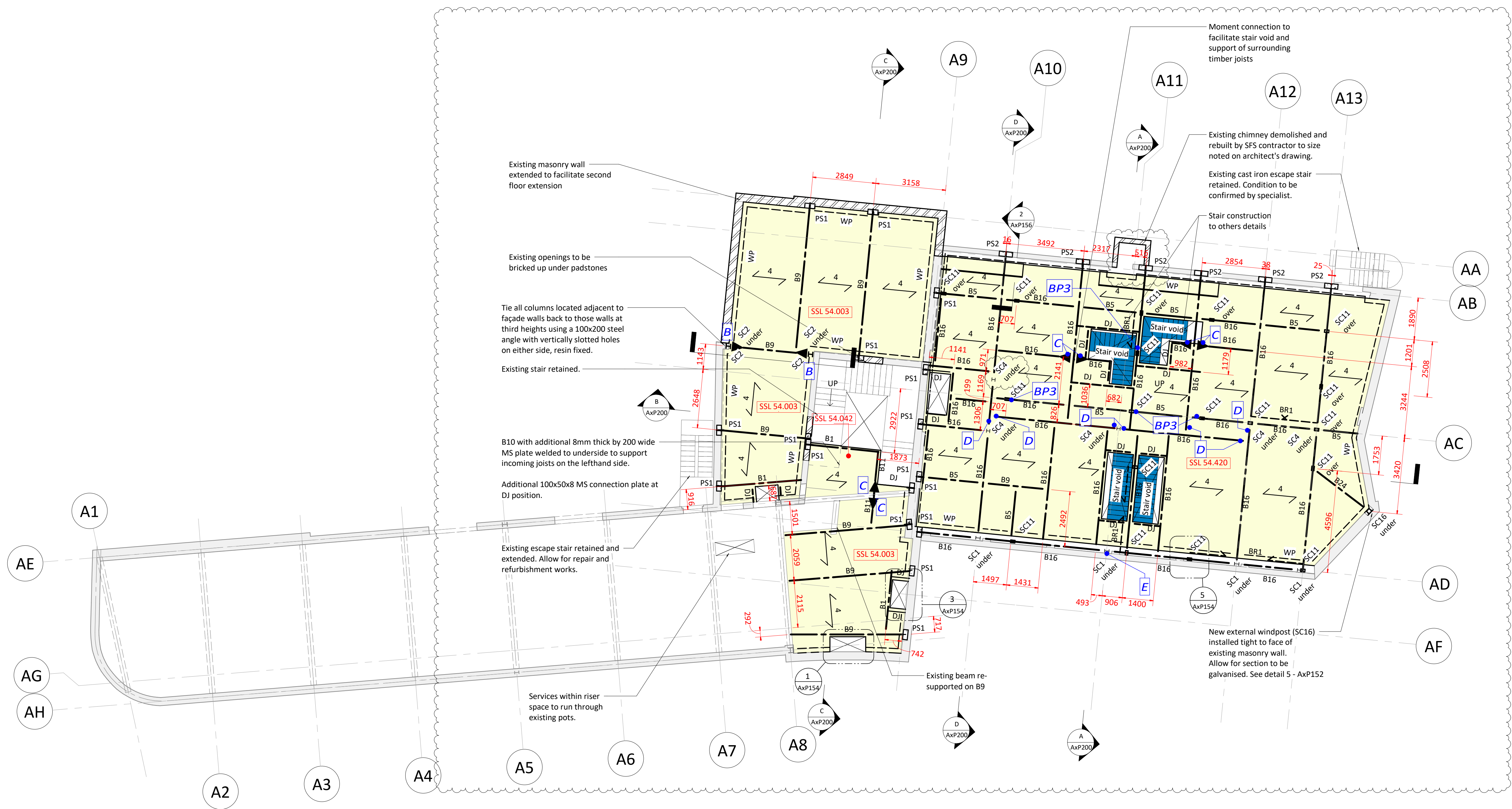
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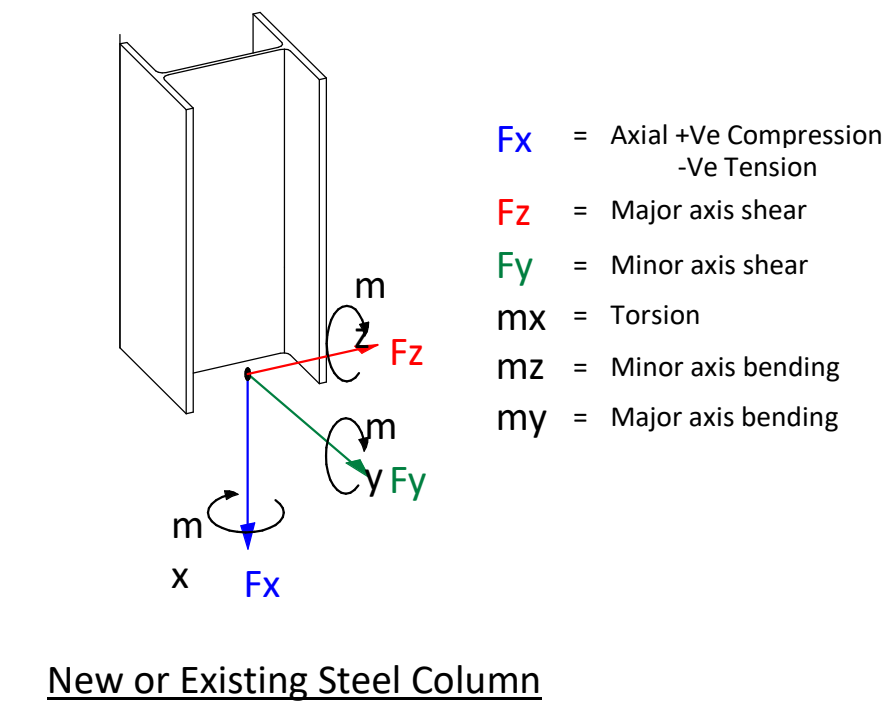
Job Name  
**Hornsey Town Hall**  
**N8 9JJ**  
**Block: Annex**  
Drawing Title  
**Proposed Annex**  
**First Floor**

Purpose of Issue **Contruction** Scale at A1 **As indicated**

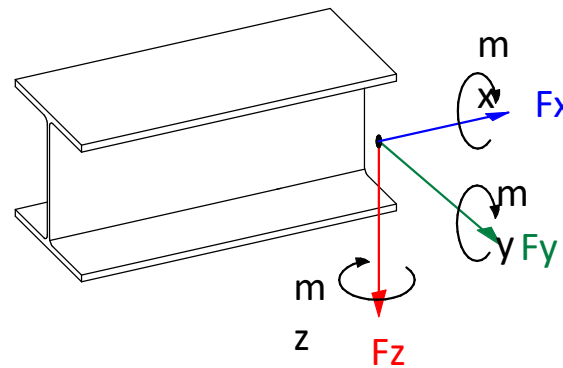
Drg No **1862 / AxP110** Rev **C4**



Steel Connection Load Diagram



New or Existing Steel Column



New Or Existing Steel Beam

Connection load table

| Ref                                                                                    | Fx (kN) | Fy (kN) | Fz (kN) | Mx (kNm) | My (kNm) | Mz (kNm) |
|----------------------------------------------------------------------------------------|---------|---------|---------|----------|----------|----------|
| All connections to be Ref A unless noted otherwise. BR1 connections to be Ref F U.N.O. |         |         |         |          |          |          |
| A                                                                                      | 75      | 25      | 75      | -        | -        | -        |
| B                                                                                      | 75      | 25      | 75      | -        | 75       | -        |
| C                                                                                      | 75      | 25      | 75      | -        | 15       | -        |
| D                                                                                      | 75      | 25      | 125     | -        | -        | -        |
| E                                                                                      | 75      | 25      | 150     | -        | -        | -        |
| F                                                                                      | +/- 150 | 25      | 75      | -        | -        | -        |

Baseplate load table

| Ref                                         | Fx (kN) | Fy (kN) | Fz (kN) | Mx (kNm) | My (kNm) | Mz (kNm) |
|---------------------------------------------|---------|---------|---------|----------|----------|----------|
| All column connections to be Ref BP1 U.N.O. |         |         |         |          |          |          |
| A                                           | 150     | 75      | 75      | -        | -        | -        |
| B                                           | 250     | 75      | 75      | -        | -        | -        |
| C                                           | +/- 100 | 75      | 75      | -        | -        | -        |

100mm @ A1 (50mm @ A3)

- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
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- All proposed details shown are based on archive drawings and limited opening up works. Assumptions have been made regarding existing construction. All proposed details are preliminary only and final detailing will be required following completion of further opening up works.

Column Schedule

|      |                                            |
|------|--------------------------------------------|
| SC1  | 203x133x30 UB                              |
| SC2  | 203x203x46 UC                              |
| SC4  | 152x152x23 UC                              |
| SC10 | 90x90x10 SHS                               |
| SC11 | 200x120x6.3 RHS                            |
| SC16 | 180x180x10 SHS                             |
| STR1 | 2No 10mm plates welded to existing columns |

Beam Schedule

|     |                              |
|-----|------------------------------|
| B1  | 152x152x30 UC                |
| B4  | 254x254x73 UC                |
| B5  | 203x133x30 UB                |
| B6  | 200x90x30 PFC                |
| B9  | 203x203x46 UC                |
| B11 | UC152x152x30 w/ bottom plate |
| B13 | 203x203x71 UC                |
| B16 | 203x203x86 UC                |
| B18 | 254x102x22 UB                |
| B22 | 203x203x52 UC                |
| B23 | 203x102x23 UB                |
| B24 | 203x203x60 UC                |
| B28 | 254x254x132 UC               |
| B30 | 152x152x23 UC                |
| B42 | 150x100x8 RHS                |
| B43 | 254x254x89 UC                |
| B44 | 200x150x10 RHS               |
| B45 | UB356x171x57                 |
| BR1 | 100x10 MS Flat Bracing       |

Floor Schedule

|    |                                                                                      |
|----|--------------------------------------------------------------------------------------|
| 1  | 200 thk RC slab                                                                      |
| 4  | 200 d x 63 w C24 joists at 400 crs with 18 thk plywood screwed to top face of joists |
| 9  | 150 d x 50 w C16 joists at 300 crs with 18 thk plywood screwed to top face of joists |
| 20 | 200 d x 63 w C24 joists at 300 crs with 18 thk plywood screwed to top face of joists |

Legend

|  |                                                                                                             |
|--|-------------------------------------------------------------------------------------------------------------|
|  | Proposed RC structure                                                                                       |
|  | Proposed WRC structure                                                                                      |
|  | Proposed Steel Framing                                                                                      |
|  | 200 x 63 C16 wall plate resin fixed to existing masonry wall with Hilti HIT HY 270 + M16 anchors at 400 crs |
|  | 440 x 100wd x 215dp MC padstone                                                                             |
|  | 600 x 200wd x 215dp MC padstone                                                                             |
|  | Connection Strengthening                                                                                    |
|  | Crank                                                                                                       |
|  | Splice                                                                                                      |
|  | Moment connection                                                                                           |
|  | Thermal Break                                                                                               |
|  | Break in beam                                                                                               |
|  | Pre-camber                                                                                                  |

|    |          |     |    |                         |
|----|----------|-----|----|-------------------------|
| C4 | 25.03.22 | IRS | BW | Revised as clouded      |
| C3 | 11.02.22 | IRS | BW | Revised as clouded      |
| C2 | 12.05.21 | IRS | BW | Issued for Construction |
| C1 | 18.01.21 | IRS | BW | Issued for Construction |

| Rev | Date | By | Eng | Amendments |
|-----|------|----|-----|------------|
|-----|------|----|-----|------------|

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Job Name  
**Hornsey Town Hall  
N8 9JJ**

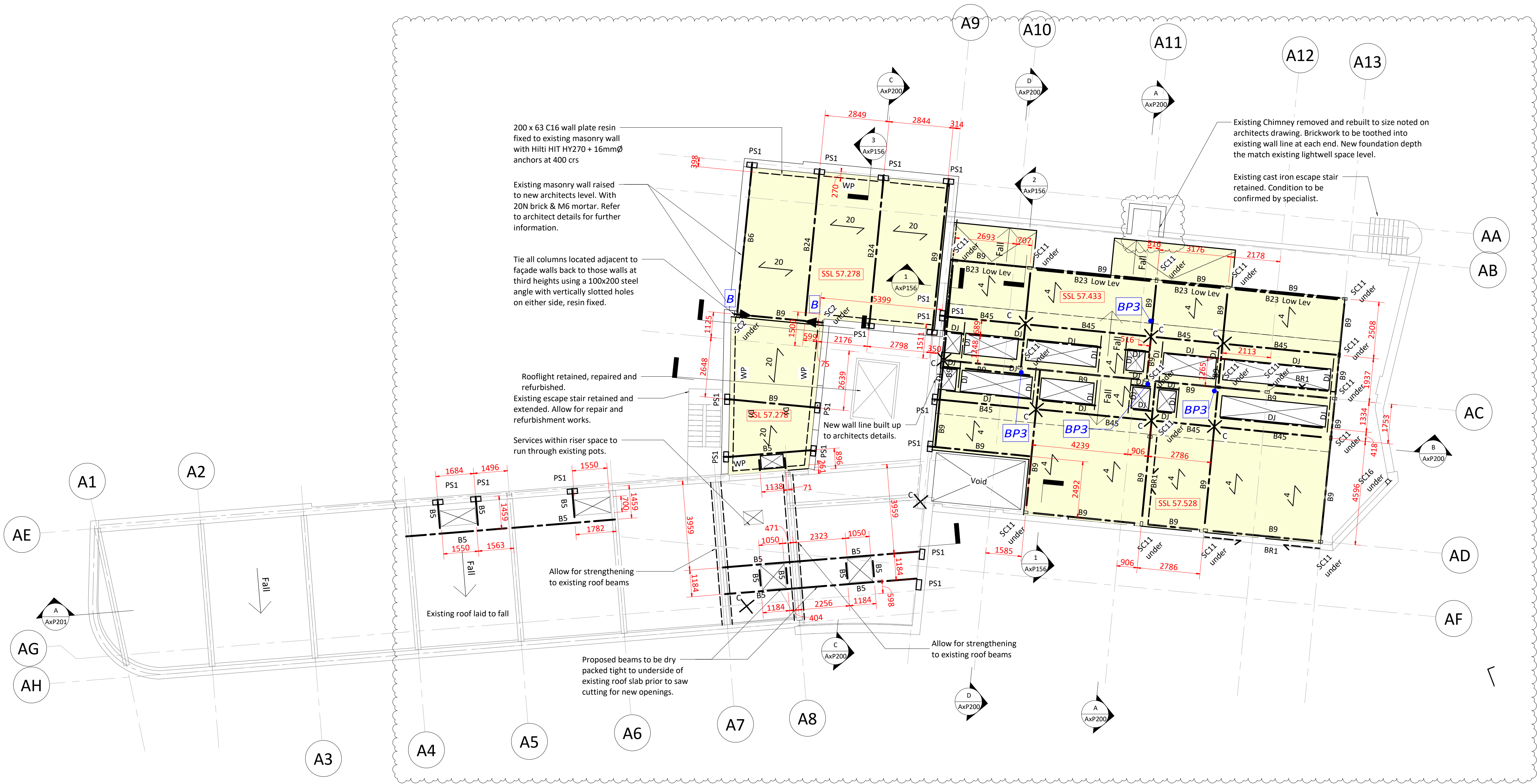
**Block: Annex**

Drawing Title  
**Proposed Annex  
Second Floor**

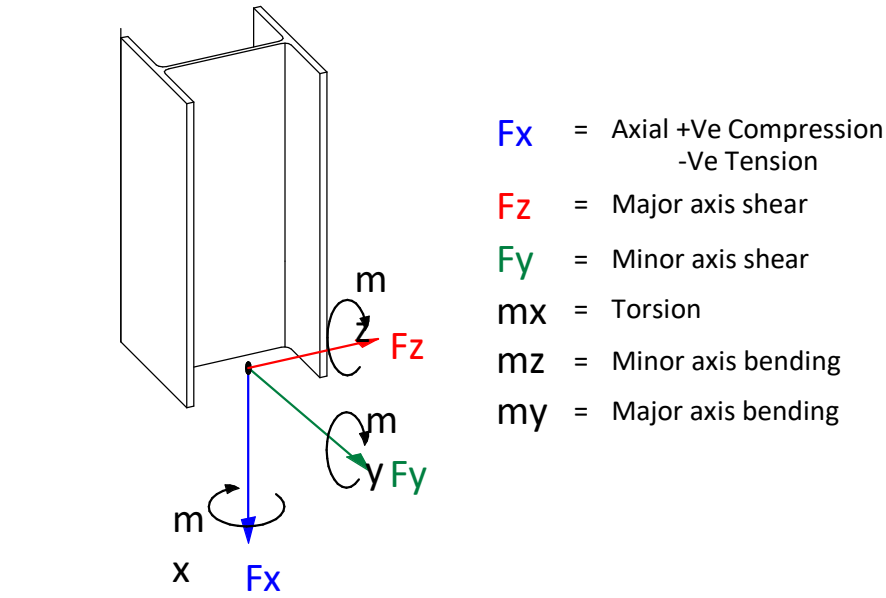
Purpose of Issue **Construction** Scale at A1 **As indicated**

Drp No **1862 / AXP120**

Rev **C4**



Steel Connection Load Diagram



Connection load table

| Ref                                                                                       | Fx (kN) | Fy (kN) | Fz (kN) | Mx (kNm) | My (kNm) | Mz (kNm) |
|-------------------------------------------------------------------------------------------|---------|---------|---------|----------|----------|----------|
| All connections to be Ref A unless noted otherwise.<br>BR1 connections to be Ref F U.N.O. |         |         |         |          |          |          |
| A                                                                                         | 75      | 25      | 75      | -        | -        | -        |
| B                                                                                         | 75      | 25      | 75      | -        | 75       | -        |
| C                                                                                         | 75      | 25      | 75      | -        | 15       | -        |
| D                                                                                         | 75      | 25      | 125     | -        | -        | -        |
| E                                                                                         | 75      | 25      | 150     | -        | -        | -        |
| F                                                                                         | +/- 150 | 25      | 75      | -        | -        | -        |

Baseplate load table

| Ref                                         | Fx (kN) | Fy (kN) | Fz (kN) | Mx (kNm) | My (kNm) | Mz (kNm) |
|---------------------------------------------|---------|---------|---------|----------|----------|----------|
| All column connections to be Ref BP1 U.N.O. |         |         |         |          |          |          |
| A                                           | 150     | 75      | 75      | -        | -        | -        |
| B                                           | 250     | 75      | 75      | -        | -        | -        |
| C                                           | +/- 100 | 75      | 75      | -        | -        | -        |

100mm @ A1 (50mm @ A3)

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Column Schedule

|      |                                            |
|------|--------------------------------------------|
| SC1  | 203x133x30 UB                              |
| SC2  | 203x203x46 UC                              |
| SC4  | 152x152x23 UC                              |
| SC10 | 90x90x10 SHS                               |
| SC11 | 200x120x6.3 RHS                            |
| SC16 | 180x180x10 SHS                             |
| STR1 | 2No 10mm plates welded to existing columns |

Beam Schedule

|     |                              |
|-----|------------------------------|
| B1  | 152x152x30 UC                |
| B4  | 254x254x73 UC                |
| B5  | 203x133x30 UB                |
| B6  | 200x90x30 PFC                |
| B9  | 203x203x46 UC                |
| B11 | UC152x152x30 w/ bottom plate |
| B13 | 203x203x71 UC                |
| B16 | 203x203x86 UC                |
| B18 | 254x102x22 UB                |
| B22 | 203x203x52 UC                |
| B23 | 203x102x23 UB                |
| B24 | 203x203x60 UB                |
| B28 | 254x254x132 UC               |
| B30 | 152x152x23 UC                |
| B42 | 150x100x8 RHS                |
| B43 | 254x254x89 UC                |
| B44 | 200x150x10 RHS               |
| B45 | UB356x171x57                 |
| BR1 | 100x10 MS Flat Bracing       |

Floor Schedule

|    |                                                                                      |
|----|--------------------------------------------------------------------------------------|
| 1  | 200 thk RC slab                                                                      |
| 4  | 200 d x 63 w C24 joists at 400 crs with 18 thk plywood screwed to top face of joists |
| 9  | 150 d x 50 w C16 joists at 300 crs with 18 thk plywood screwed to top face of joists |
| 20 | 200 d x 63 w C24 joists at 300 crs with 18 thk plywood screwed to top face of joists |

Legend

|  |                                                                                                             |
|--|-------------------------------------------------------------------------------------------------------------|
|  | Proposed RC structure                                                                                       |
|  | Proposed WRC structure                                                                                      |
|  | Proposed Steel Framing                                                                                      |
|  | 200 x 63 C16 wall plate resin fixed to existing masonry wall with Hilti HIT HY 270 + M16 anchors at 400 crs |
|  | 440 x 100wd x 215dp MC padstone                                                                             |
|  | 600 x 200wd x 215dp MC padstone                                                                             |
|  | Connection Strengthening                                                                                    |
|  | Crank                                                                                                       |
|  | Splice                                                                                                      |
|  | Moment connection                                                                                           |
|  | Thermal Break                                                                                               |
|  | Pre-camber                                                                                                  |
|  | Break in beam                                                                                               |

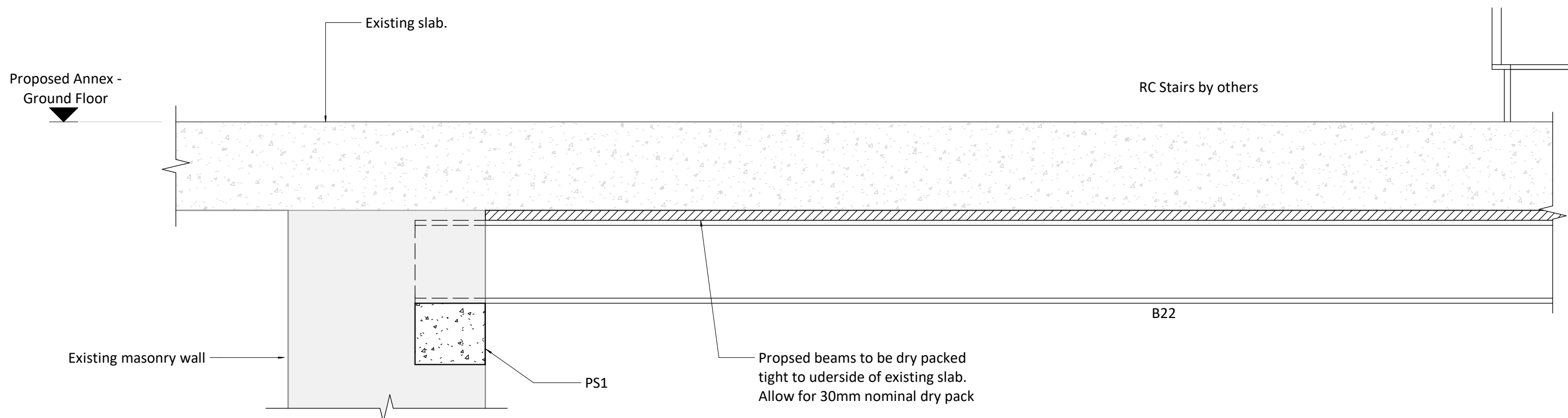
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| C4  | 25.03.22 | IRS | MS  | Revised as clouded      |
| C3  | 11.02.22 | IRS | BW  | Revised as clouded      |
| C2  | 12.05.21 | IRS | BW  | Issued for Construction |
| C1  | 18.01.21 | IRS | BW  | Issued for Construction |
| Rev | Date     | By  | Eng | Amendments              |

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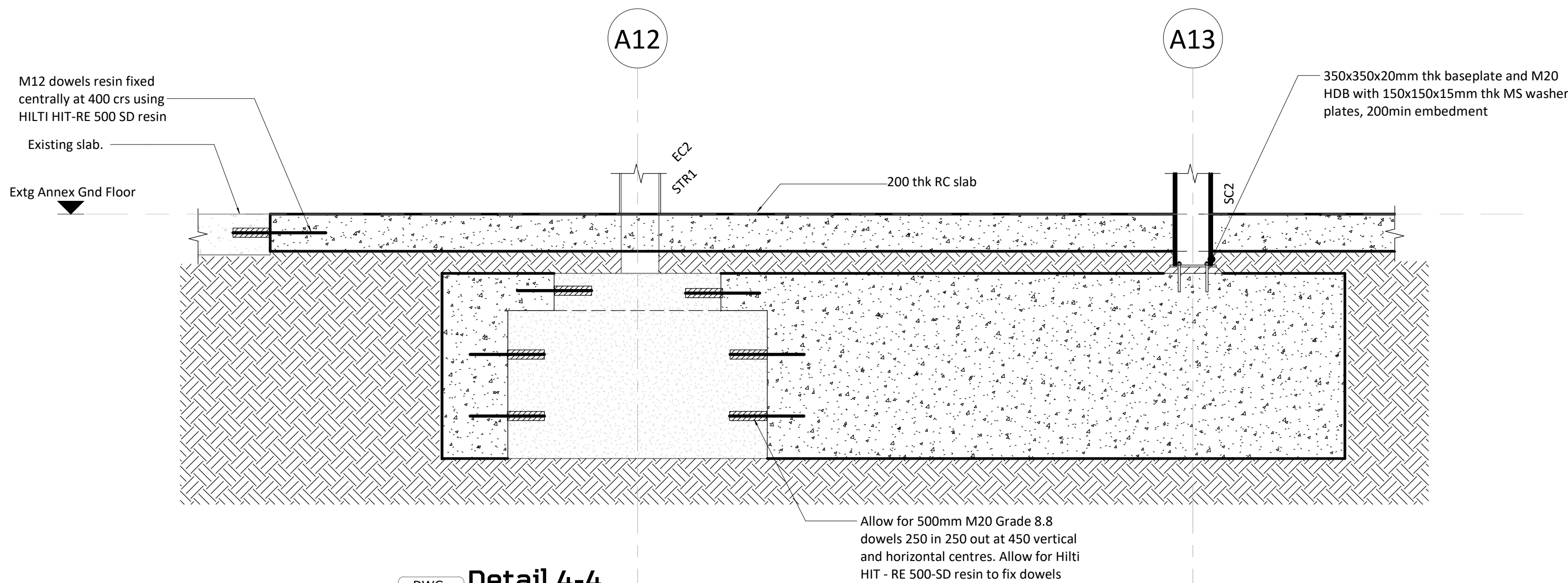
Job Name  
**Hornsey Town Hall N8 9JJ**  
**Block: Annex**  
Drawing Title  
**Proposed Annex Roof**

Purpose of Issue **Contruction** Scale at A1 **As indicated**

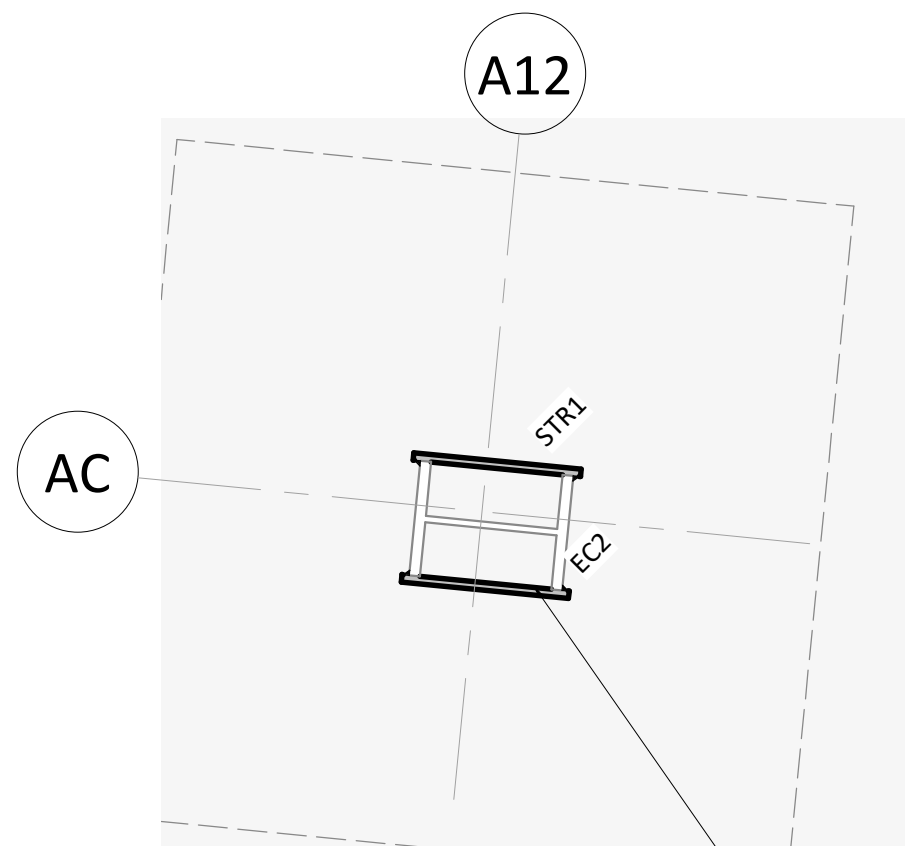
Drg No **1862 / AXP130** Rev **C4**



DWG  
AxP100  
**Detail 2-2**  
1 : 10

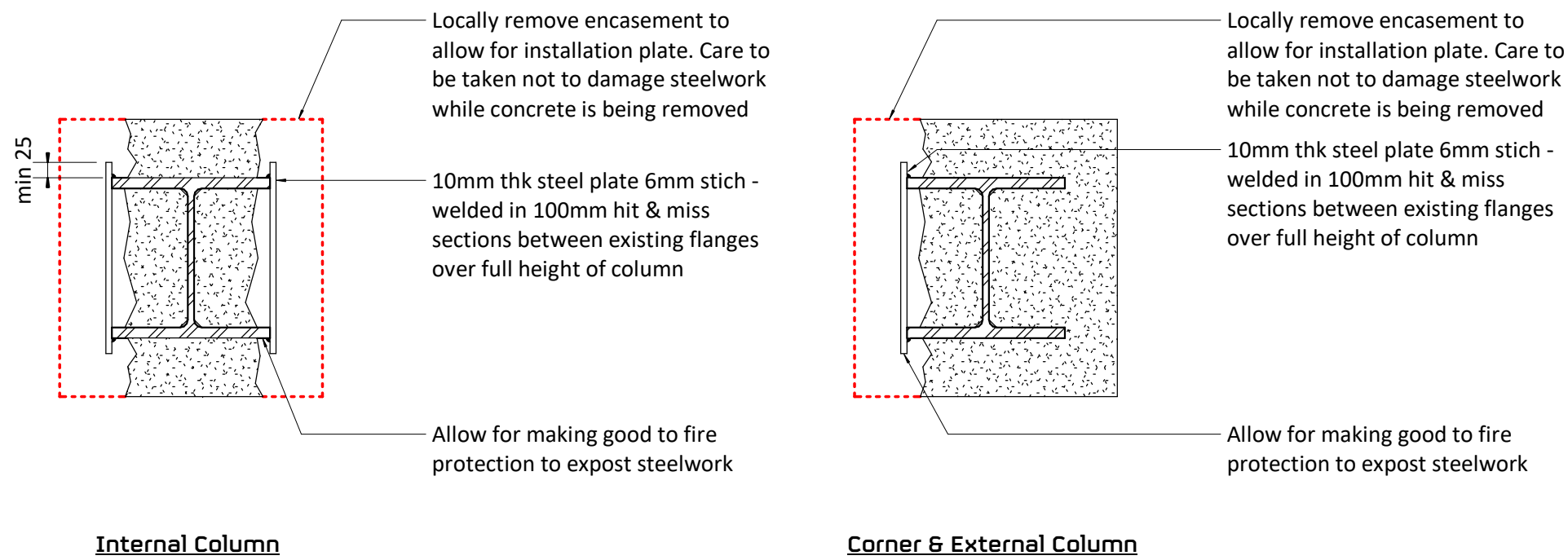


DWG  
AxP100  
**Detail 4-4**  
1 : 20



10mm wide plates welded to flanges over full height to form box. Allow plates to oversail column for ease of welding

DWG  
AxP100  
**Detail 3-3**  
1 : 10



**Detail 4-4. Typical Column Strengthening**  
1 : 10

100mm @ A1 (50mm @ A3)

- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
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#### Column Schedule

|      |                                            |
|------|--------------------------------------------|
| SC1  | 203x133x30 UB                              |
| SC2  | 203x203x46 UC                              |
| SC4  | 152x152x23 UC                              |
| SC10 | 90x90x10 SHS                               |
| SC11 | 200x120x6.3 RHS                            |
| SC16 | 180x180x10 SHS                             |
| STR1 | 2No 10mm plates welded to existing columns |

#### Beam Schedule

|     |                              |
|-----|------------------------------|
| B1  | 152x152x30 UC                |
| B4  | 254x254x73 UC                |
| B5  | 203x133x30 UB                |
| B6  | 200x90x30 PFC                |
| B9  | 203x203x46 UC                |
| B11 | UC152x152x30 w/ bottom plate |
| B13 | 203x203x71 UC                |
| B16 | 203x203x86 UC                |
| B18 | 254x102x22 UB                |
| B22 | 203x203x52 UC                |
| B23 | 203x102x23 UB                |
| B24 | 203x203x60 UC                |
| B28 | 254x254x132 UC               |
| B30 | 152x152x23 UC                |
| B42 | 150x100x8 RHS                |
| B43 | 254x254x89 UC                |
| B44 | 200x150x10 RHS               |
| B45 | UB356x171x57                 |
| BR1 | 100x10 MS Flat Bracing       |

#### Floor Schedule

|    |                                                                                      |
|----|--------------------------------------------------------------------------------------|
| 1  | 200 thk RC slab                                                                      |
| 4  | 200 d x 63 w C24 joists at 400 crs with 18 thk plywood screwed to top face of joists |
| 9  | 150 d x 50 w C16 joists at 300 crs with 18 thk plywood screwed to top face of joists |
| 20 | 200 d x 63 w C24 joists at 300 crs with 18 thk plywood screwed to top face of joists |

#### Legend

|  |                                                                                                             |
|--|-------------------------------------------------------------------------------------------------------------|
|  | Proposed RC structure                                                                                       |
|  | Proposed WRC structure                                                                                      |
|  | Proposed Steel Framing                                                                                      |
|  | 200 x 63 C16 wall plate resin fixed to existing masonry wall with Hilti HIT HY 270 + M16 anchors at 400 crs |
|  | 440 x 100wd x 215dp MC padstone                                                                             |
|  | 600 x 200wd x 215dp MC padstone                                                                             |
|  | Connection Strengthening                                                                                    |
|  | Crank                                                                                                       |
|  | Splice                                                                                                      |
|  | Moment connection                                                                                           |
|  | Thermal Break                                                                                               |
|  | Pre-camber                                                                                                  |
|  | Break in beam                                                                                               |

|     |          |     |     |                         |
|-----|----------|-----|-----|-------------------------|
| C2  | 11.02.22 | IRS | BW  | Revised as clouded      |
| C1  | 12.05.21 | IRS | BW  | Issued for Construction |
| Rev | Date     | By  | Eng | Amendments              |

**HEYNE  
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STEEL**

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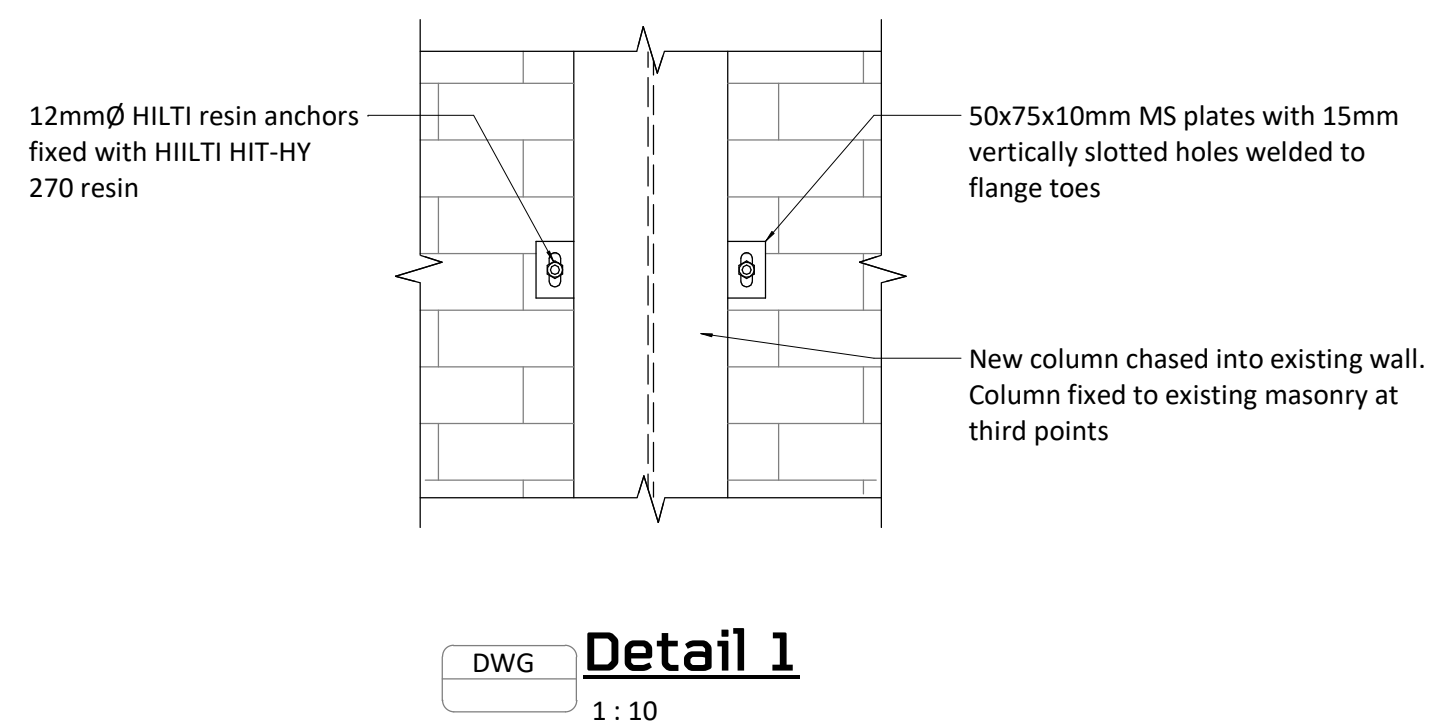
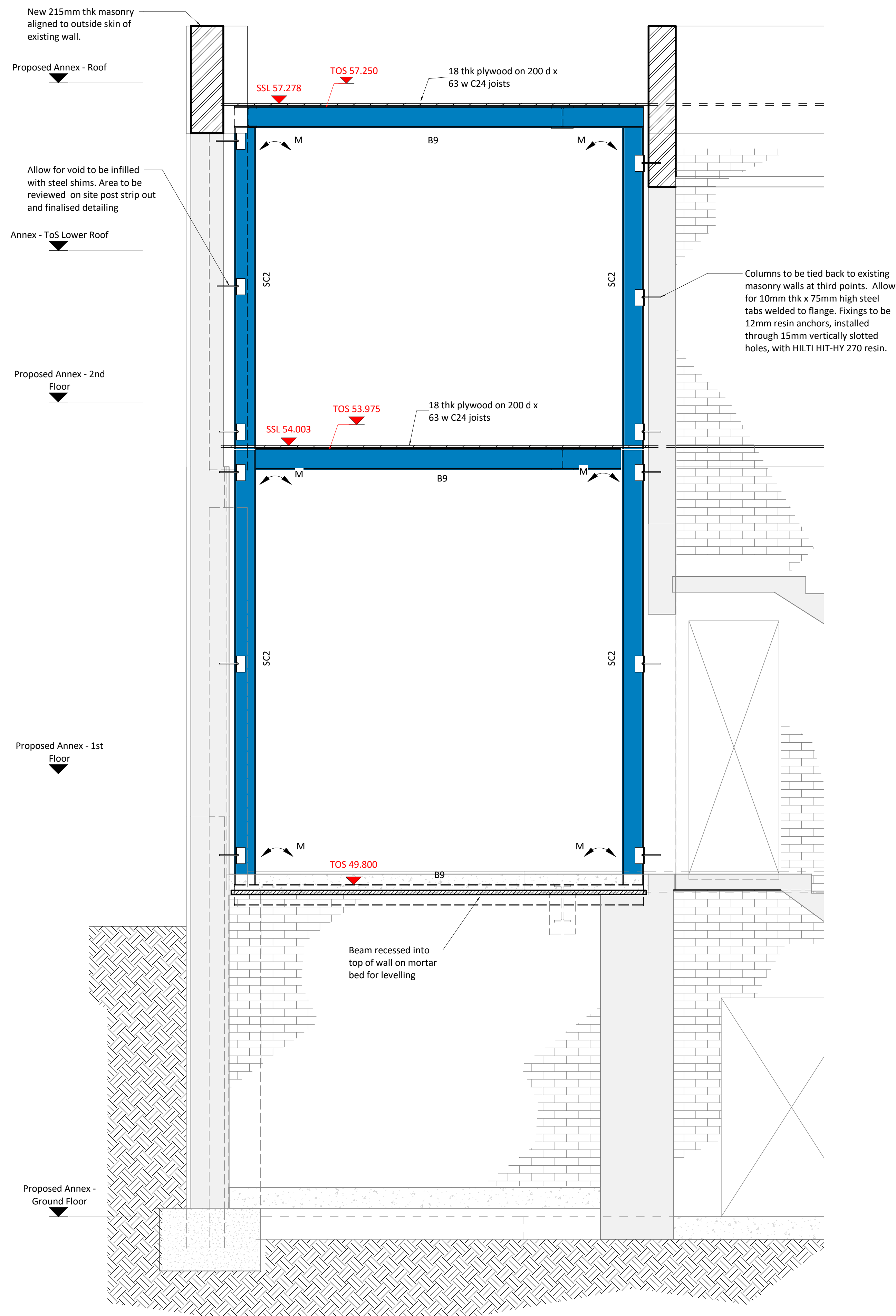
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Job Name  
**Hornsey Town Hall  
N8 9JJ**  
**Block: Annex**  
Drawing Title  
**Proposed Annex Ground  
Floor Details Sheet 1**

Purpose of Issue **Construction** Scale at A1 **As indicated**

Drg No **1862 / AxP150**

Rev **C2**



100mm @ A1 (50mm @ A3)

- 1 This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- 2 Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm
- 3 All proposed details shown are based on archive drawings and limited opening up works. Assumptions have been made regarding existing construction. All proposed details are preliminary only and final detailing will be required following completion of further opening up works.

### Column Schedule

|      |                                            |
|------|--------------------------------------------|
| SC1  | 203x133x30 UB                              |
| SC2  | 203x203x46 UC                              |
| SC4  | 152x152x23 UC                              |
| SC10 | 90x90x10 SHS                               |
| SC11 | 200x120x6.3 RHS                            |
| SC16 | 180x180x10 SHS                             |
| STR1 | 2No 10mm plates welded to existing columns |

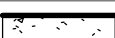
## Beam Schedule

|     |                              |
|-----|------------------------------|
| B1  | 152x152x30 UC                |
| B5  | 203x133x30 UB                |
| B6  | 200x90x30 PFC                |
| B9  | 203x203x46 UC                |
| B10 | UC152x152x30 w/ bottom plate |
| B16 | 203x203x86 UC                |
| B18 | 254x102x22 UB                |
| B22 | 203x203x52 UC                |
| B23 | 203x102x23 UB                |
| B24 | 203x203x60 UC                |
| B30 | 152x152x23 UC                |
| BR1 | 100x10 MS Flat Bracing       |

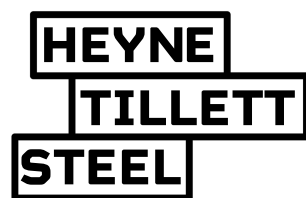
## Floor Schedule

|    |                                                                                                                |
|----|----------------------------------------------------------------------------------------------------------------|
| 1  | 200 thk RC slab                                                                                                |
| 4  | 200 d x 63 v C24 joists at 400 crs with 18 thk plywood screwed to top face of joists                           |
| 5  | 150 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H10 bar per trough |
| 9  | 150 d x 50 v C16 joists at 300 crs with 18 thk plywood screwed to top face of joists                           |
| 20 | 200 d x 63 v C24 joists at 300 crs with 18 thk plywood screwed to top face of joists                           |

### Legend

|                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Proposed RC structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|  | Proposed WRC structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|  | Proposed Steel Framing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|  | 200 x 63 C16 wall plate resin fixed to existing masonry wall with Hilti HIT HY 270 + M16 anchors at 400 cs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|  | 440 x 100wd x 215dp MC padstone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|  | <div> <div>  C </div> <div>  S </div> <div>  TB </div> <div>  BR </div> </div> <div> <div>  Crank </div> <div>  Splice </div> <div>  Thermal Break </div> <div>  Break in beam </div> </div> |
|  | <div>  M </div> <div>  B1 [25mm] </div> <div> <div>  Moment connection </div> <div>  Pre-camber </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                    |

|     |          |     |     |                    |
|-----|----------|-----|-----|--------------------|
| C1  | 18.01.21 | IRS | BW  | Construction Issue |
| Rev | Date     | By  | Eng | Amendments         |



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Job Name

## Hornsey Town Hall

**N8 9JJ**

**Block: Annex**

Drawing Title

### Proposed Annex Box Frame

## Details Sheet

|                  |              |             |              |
|------------------|--------------|-------------|--------------|
| Purpose of Issue | Construction | Scale at A1 | As indicated |
|------------------|--------------|-------------|--------------|

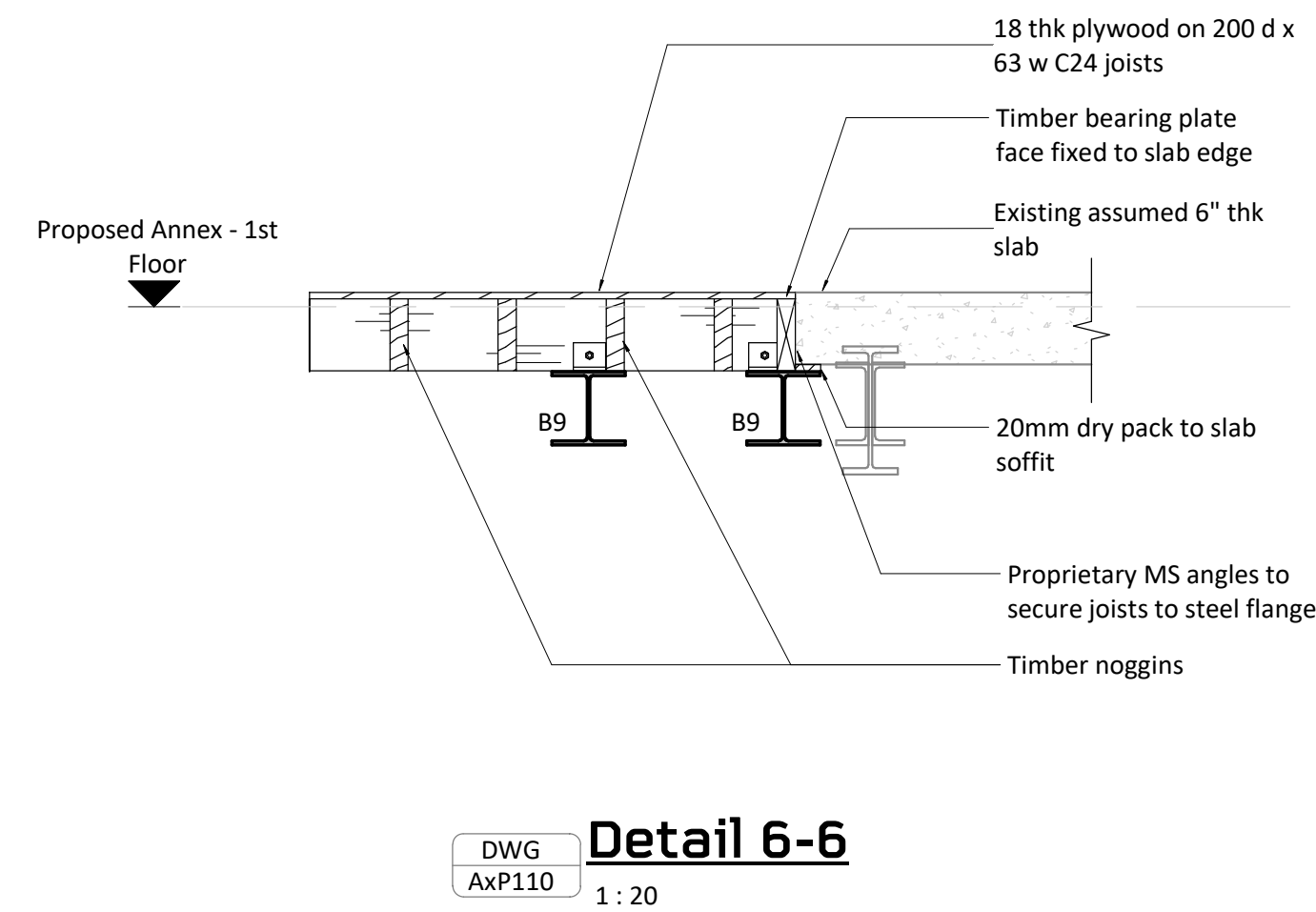
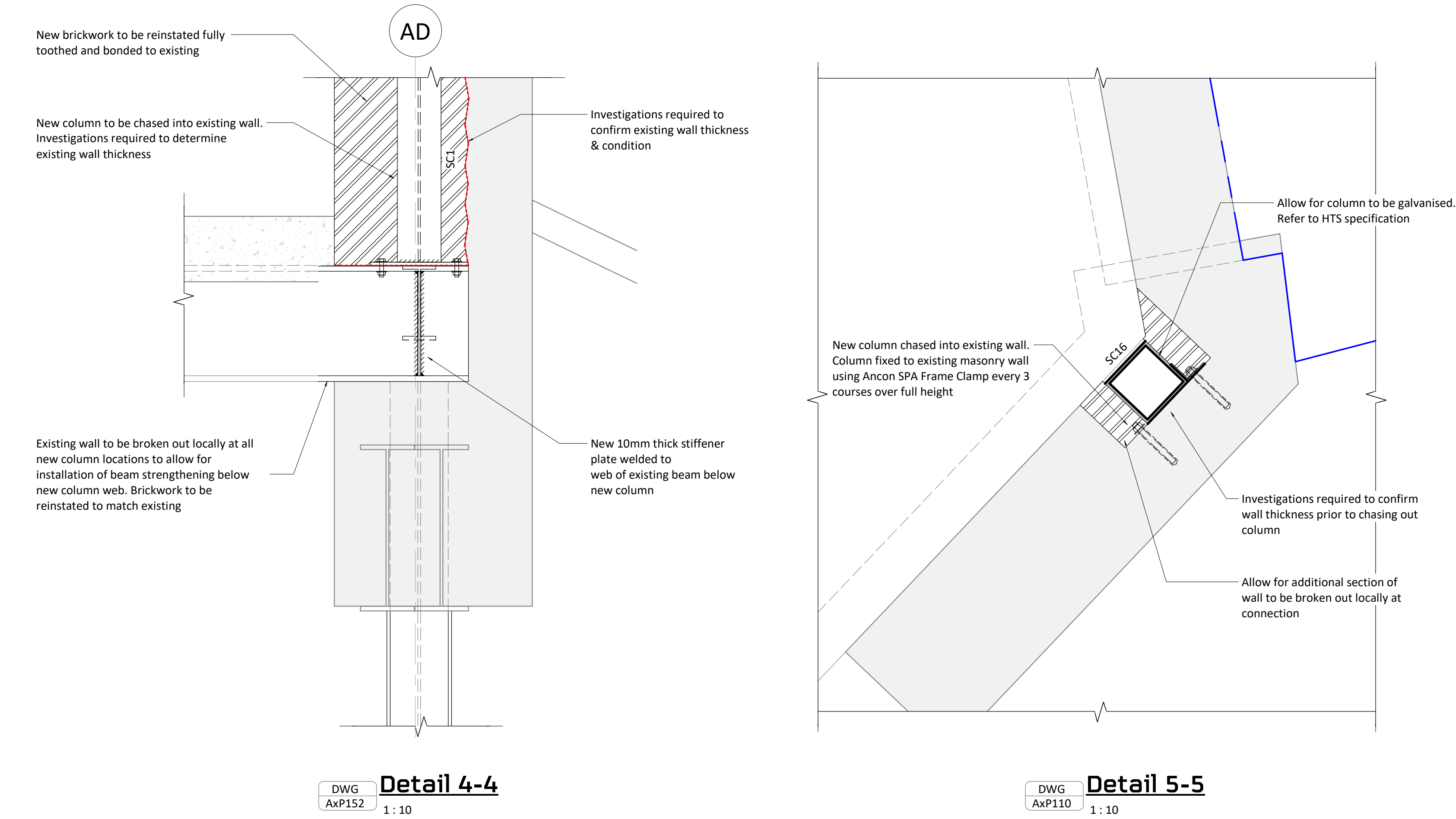
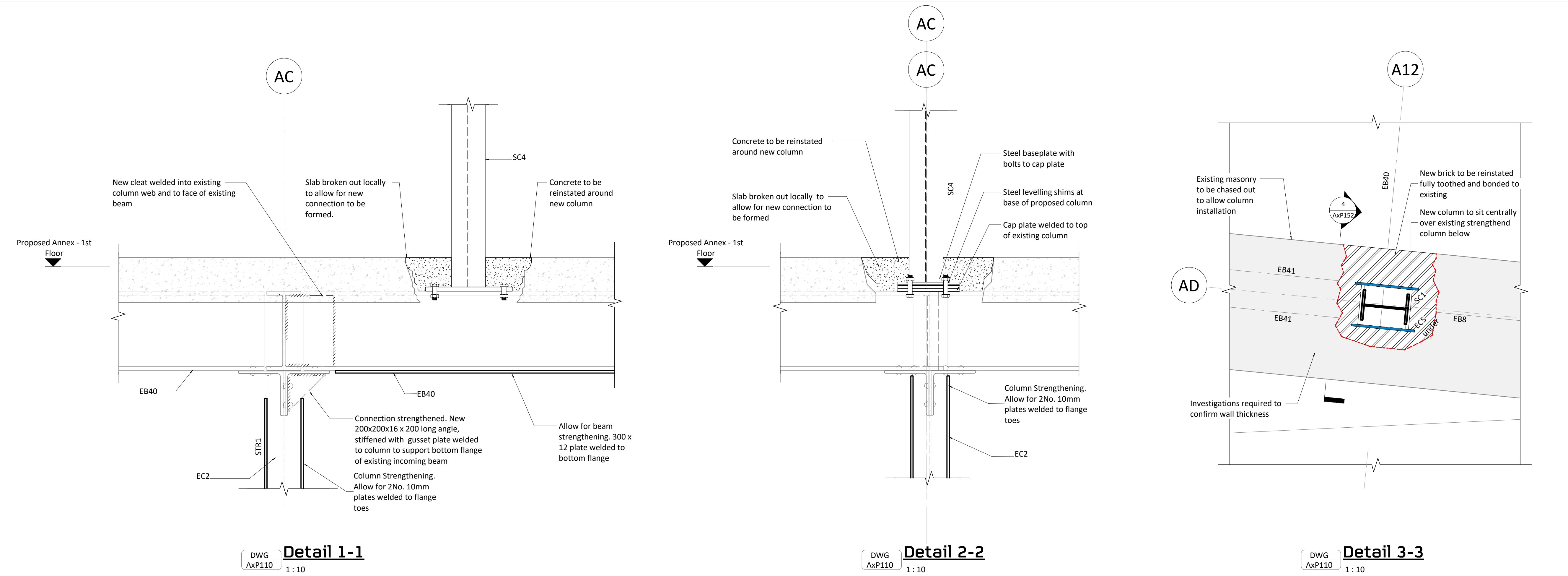
Drg No **1862 / AXP151**

Rev **C1**

## Section 1-1

DWG  
AxP100

1:25



100mm @ A1 (50mm @ A3)

- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm
- All proposed details shown are based on archive drawings and limited opening up works. Assumptions have been made regarding existing construction. All proposed details are preliminary only and final detailing will be required following completion of further opening up works.

#### Column Schedule

|      |                                            |
|------|--------------------------------------------|
| SC1  | 203x133x30 UB                              |
| SC2  | 203x203x46 UC                              |
| SC4  | 152x152x23 UC                              |
| SC10 | 90x90x10 SHS                               |
| SC11 | 200x120x6.3 RHS                            |
| SC16 | 180x180x10 SHS                             |
| STR1 | 2No 10mm plates welded to existing columns |

#### Beam Schedule

|     |                              |
|-----|------------------------------|
| B1  | 152x152x30 UC                |
| B4  | 254x254x73 UC                |
| B5  | 203x133x30 UB                |
| B6  | 200x90x30 PFC                |
| B9  | 203x203x46 UC                |
| B11 | UC152x152x30 w/ bottom plate |
| B13 | 203x203x71 UC                |
| B16 | 203x203x86 UC                |
| B18 | 254x102x22 UB                |
| B22 | 203x203x52 UC                |
| B23 | 203x102x23 UB                |
| B24 | 203x203x60 UC                |
| B28 | 254x254x132 UC               |
| B30 | 152x152x23 UC                |
| B42 | 150x100x8 RHS                |
| B43 | 254x254x89 UC                |
| B44 | 200x150x10 RHS               |
| B45 | UB356x171x57                 |
| BR1 | 100x10 MS Flat Bracing       |

#### Floor Schedule

|    |                                                                                      |
|----|--------------------------------------------------------------------------------------|
| 1  | 200 thk RC slab                                                                      |
| 4  | 200 d x 63 w C24 joists at 400 crs with 18 thk plywood screwed to top face of joists |
| 9  | 150 d x 50 w C16 joists at 300 crs with 18 thk plywood screwed to top face of joists |
| 20 | 200 d x 63 w C24 joists at 300 crs with 18 thk plywood screwed to top face of joists |

#### Legend

|  |                                                                                                             |
|--|-------------------------------------------------------------------------------------------------------------|
|  | Proposed RC structure                                                                                       |
|  | Proposed WRC structure                                                                                      |
|  | Proposed Steel Framing                                                                                      |
|  | 200 x 63 C16 wall plate resin fixed to existing masonry wall with Hilti HIT HY 270 + M16 anchors at 400 crs |
|  | 440 x 100wd x 215dp MC padstone                                                                             |
|  | 600 x 200wd x 215dp MC padstone                                                                             |
|  | Connection Strengthening                                                                                    |
|  | Crank                                                                                                       |
|  | Splice                                                                                                      |
|  | Moment connection                                                                                           |
|  | Thermal Break                                                                                               |
|  | Break in beam                                                                                               |
|  | Pre-camber                                                                                                  |

|     |          |     |     |                         |
|-----|----------|-----|-----|-------------------------|
| C2  | 11.02.22 | IRS | BW  | Revised as clouded      |
| C1  | 12.05.21 | IRS | BW  | Issued for Construction |
| Rev | Date     | By  | Eng | Amendments              |

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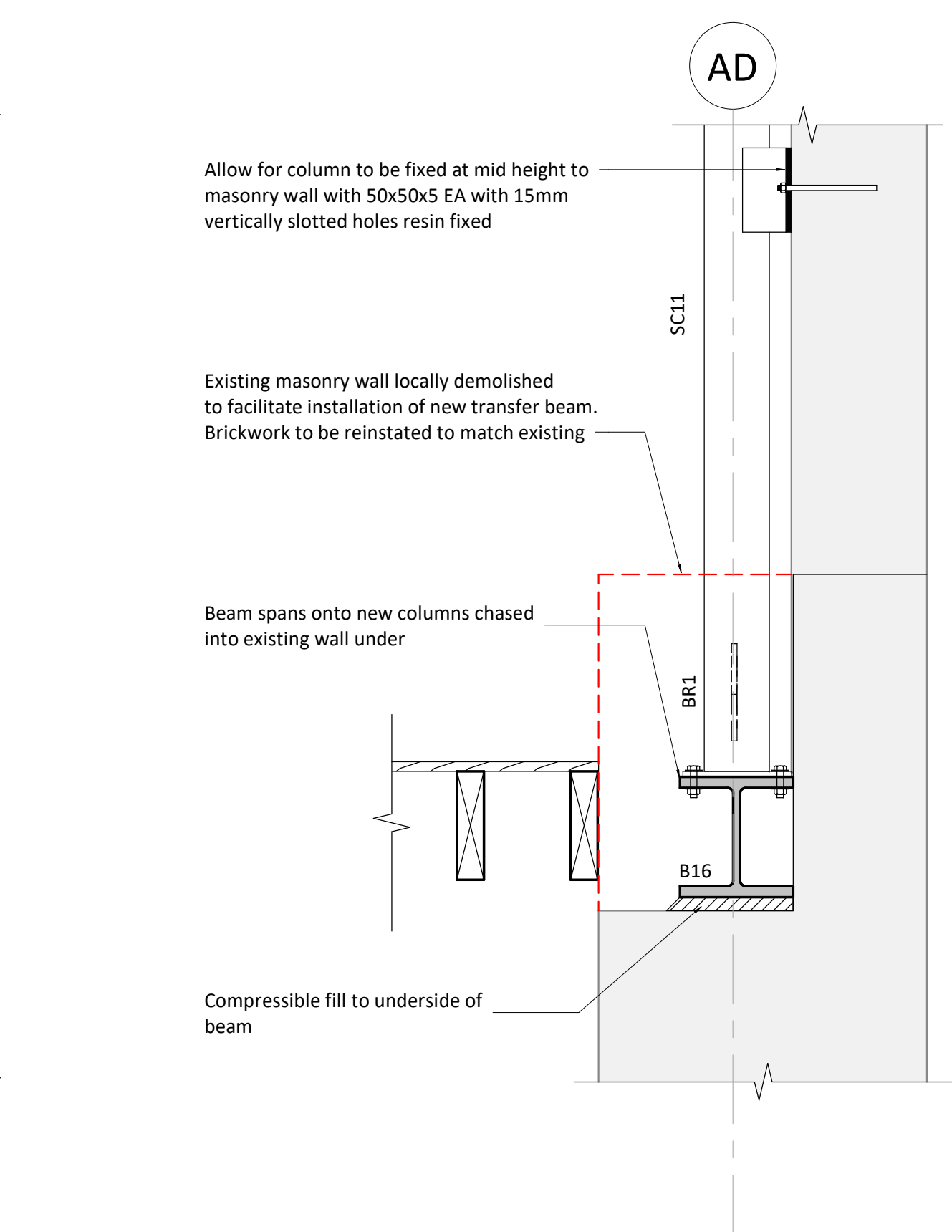
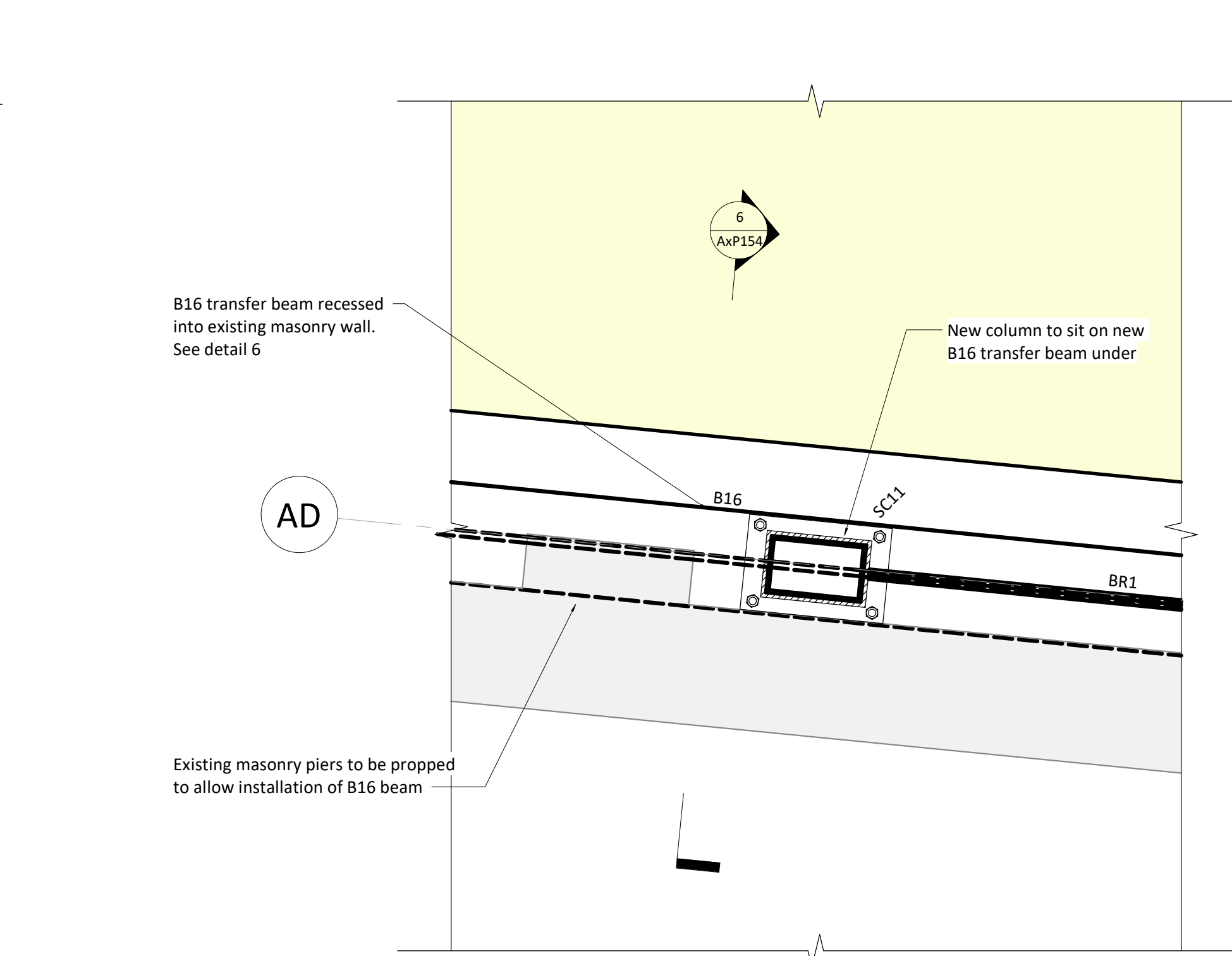
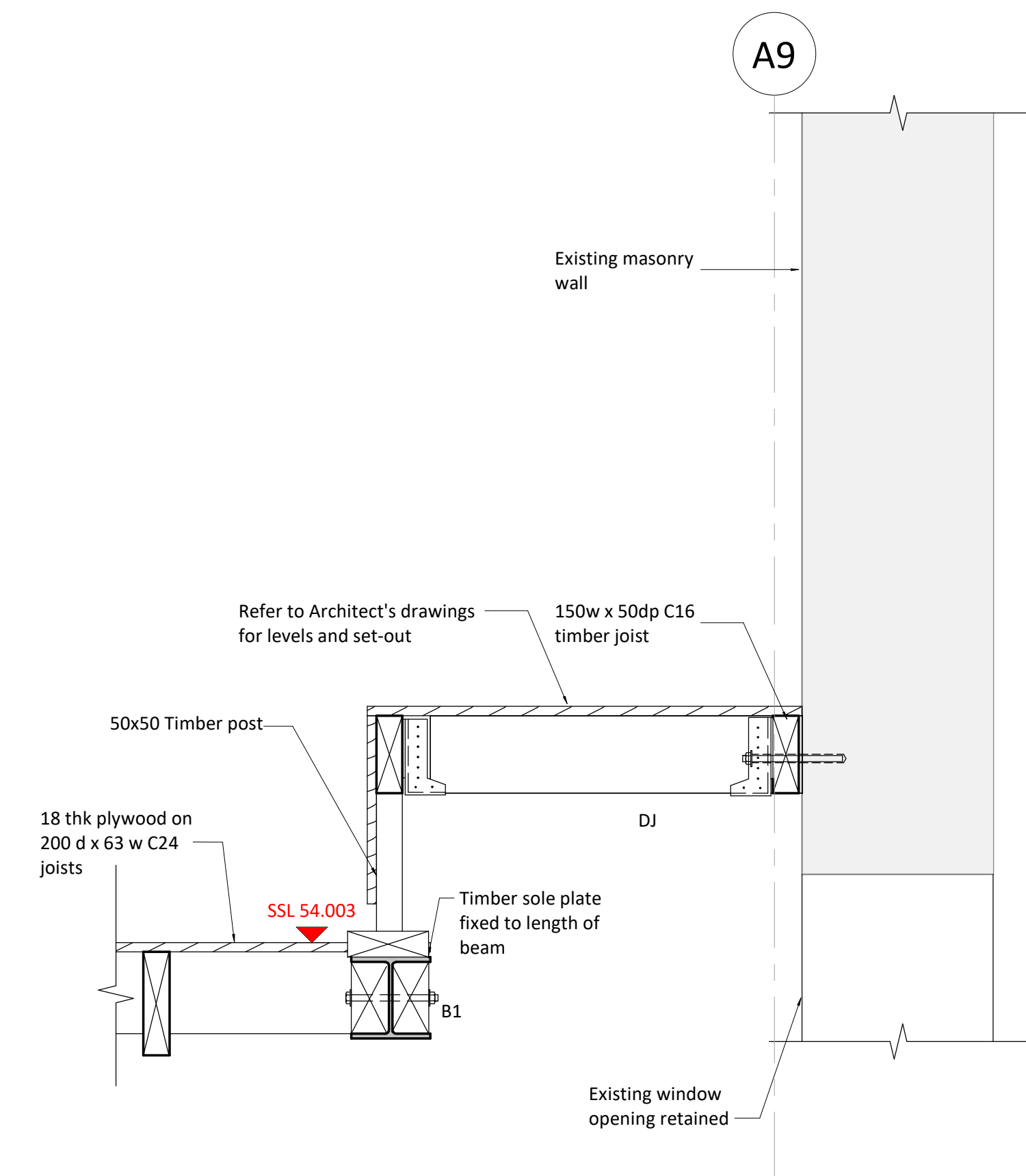
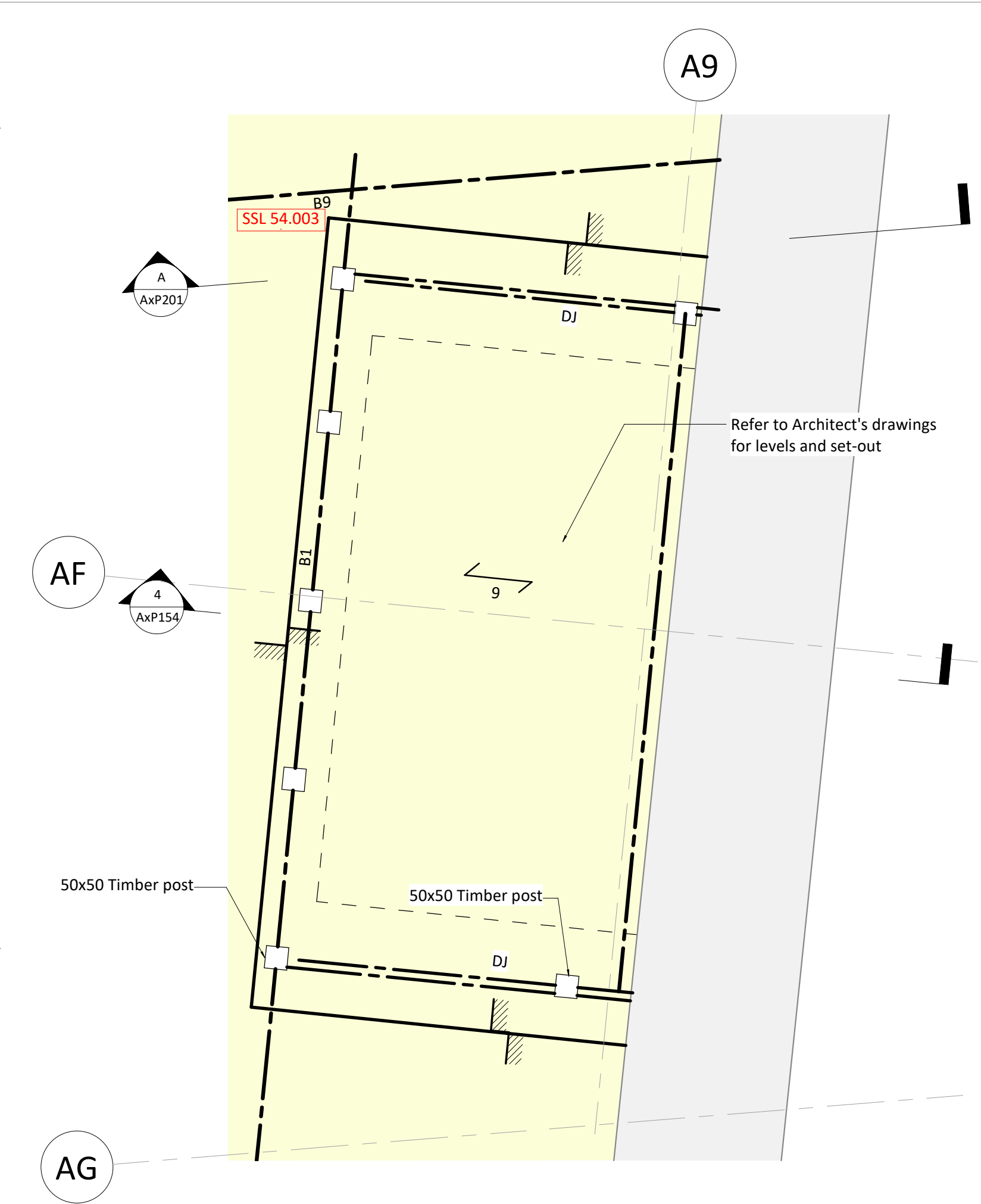
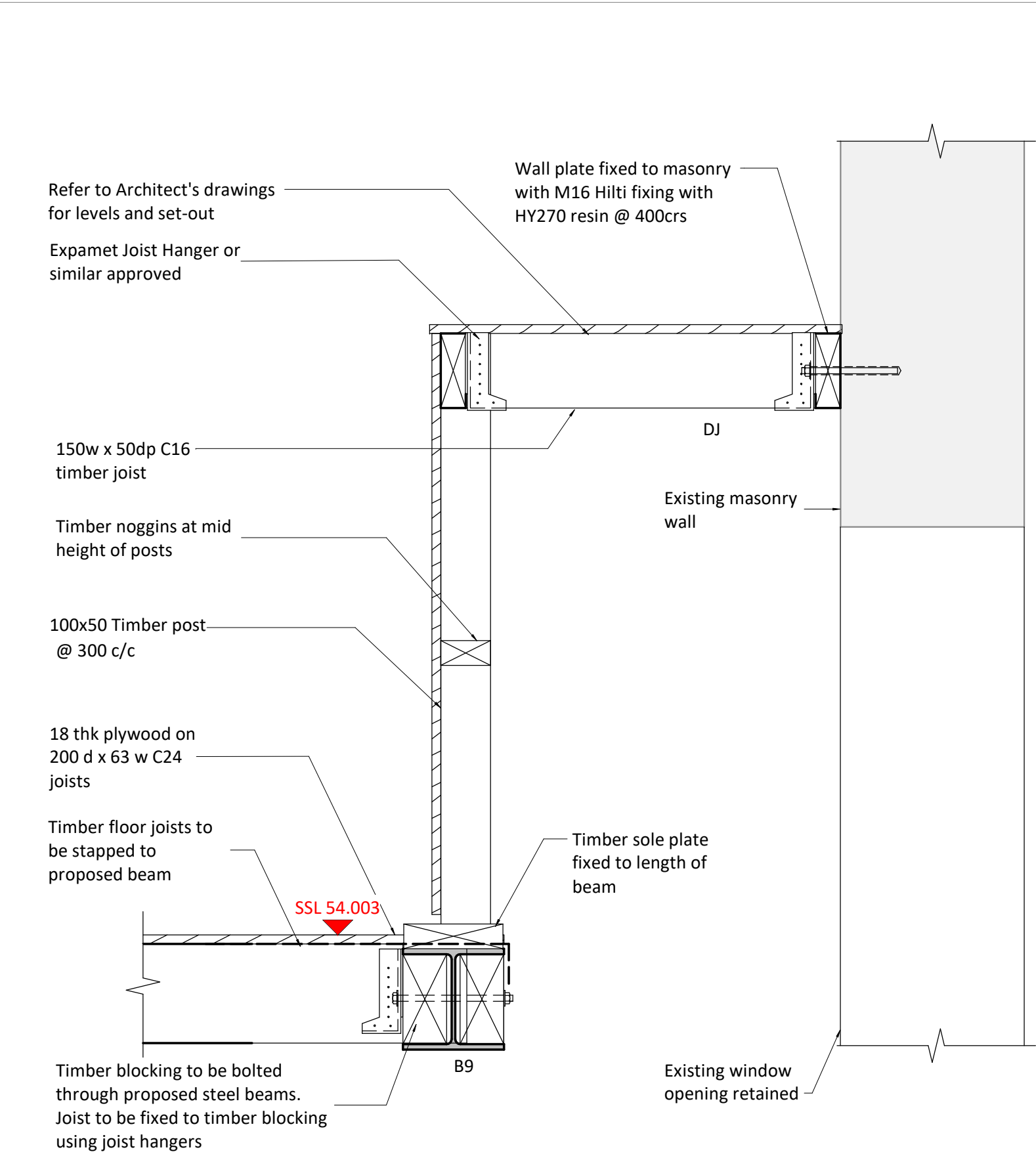
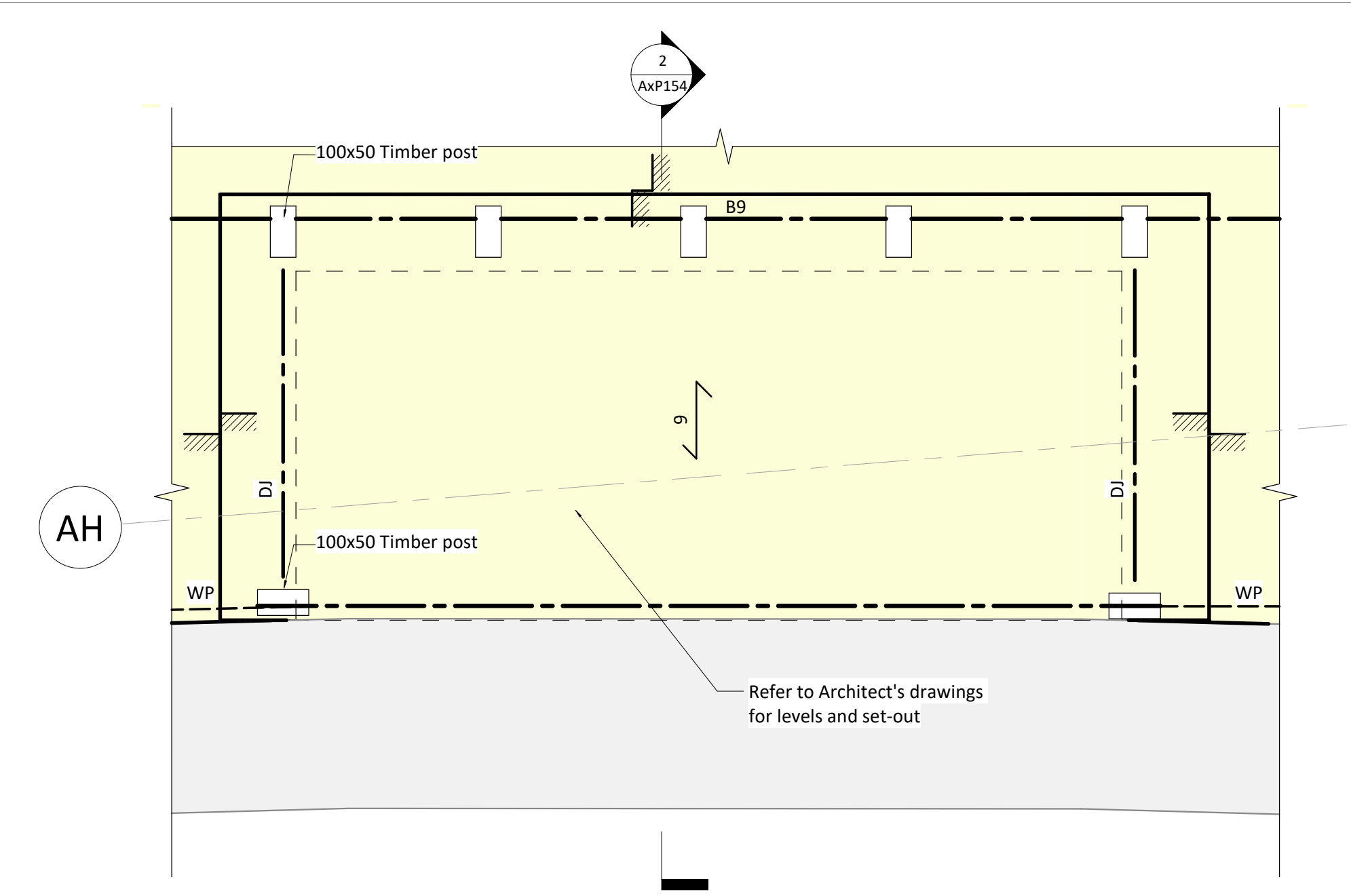
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Job Name  
**Hornsey Town Hall  
N8 9JJ**  
**Block: Annex**  
Drawing Title  
**Proposed Annex First Floor  
Details Sheet 1**

Purpose of Issue **Construction** Scale at A1 **As indicated**

Drg No **1862 / AxP152**

Rev **C2**



100mm @ A1 (50mm @ A3)

- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm
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#### Column Schedule

|      |                                            |
|------|--------------------------------------------|
| SC1  | 203x133x30 UB                              |
| SC2  | 203x203x46 UC                              |
| SC4  | 152x152x23 UC                              |
| SC10 | 90x90x10 SHS                               |
| SC11 | 200x120x6.3 RHS                            |
| SC16 | 180x180x10 SHS                             |
| STR1 | 2No 10mm plates welded to existing columns |

#### Beam Schedule

|     |                              |
|-----|------------------------------|
| B1  | 152x152x30 UC                |
| B4  | 254x254x73 UC                |
| B5  | 203x133x30 UB                |
| B6  | 200x90x30 PFC                |
| B9  | 203x203x46 UC                |
| B11 | UC152x152x30 w/ bottom plate |
| B13 | 203x203x71 UC                |
| B16 | 203x203x86 UC                |
| B18 | 254x102x22 UB                |
| B22 | 203x203x52 UC                |
| B23 | 203x102x23 UB                |
| B24 | 203x203x60 UC                |
| B28 | 254x254x132 UC               |
| B30 | 152x152x23 UC                |
| B42 | 150x100x8 RHS                |
| B43 | 254x254x89 UC                |
| B44 | 200x150x10 RHS               |
| B45 | UB356x171x57                 |
| BR1 | 100x10 MS Flat Bracing       |

#### Floor Schedule

|    |                                                                                                                |
|----|----------------------------------------------------------------------------------------------------------------|
| 1  | 200 thk RC slab                                                                                                |
| 4  | 200 d x 63 w C24 joists at 400 crs with 18 thk plywood screwed to top face of joists                           |
| 5  | 150 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H10 bar per trough |
| 9  | 150 d x 50 w C16 joists at 300 crs with 18 thk plywood screwed to top face of joists                           |
| 20 | 200 d x 63 w C24 joists at 300 crs with 18 thk plywood screwed to top face of joists                           |

#### Legend

|  |                                                                                                             |
|--|-------------------------------------------------------------------------------------------------------------|
|  | Proposed RC structure                                                                                       |
|  | Proposed WRC structure                                                                                      |
|  | Proposed Steel Framing                                                                                      |
|  | 200 x 63 C16 wall plate resin fixed to existing masonry wall with Hilti HIT HY 270 + M16 anchors at 400 crs |
|  | 440 x 100wd x 215dp MC padstone                                                                             |
|  | Connection Strengthening                                                                                    |
|  | Crank                                                                                                       |
|  | Splice                                                                                                      |
|  | Moment connection                                                                                           |
|  | Thermal Break                                                                                               |
|  | Break in beam                                                                                               |
|  | Pre-camber                                                                                                  |

|     |          |     |     |                         |
|-----|----------|-----|-----|-------------------------|
| C2  | 12.05.21 | IRS | BW  | Issued for Construction |
| C1  | 18.01.21 | IRS | BW  | Issued for Construction |
| Rev | Date     | By  | Eng | Amendments              |

**HEYNE**  
**TILLET**  
**STEEL**

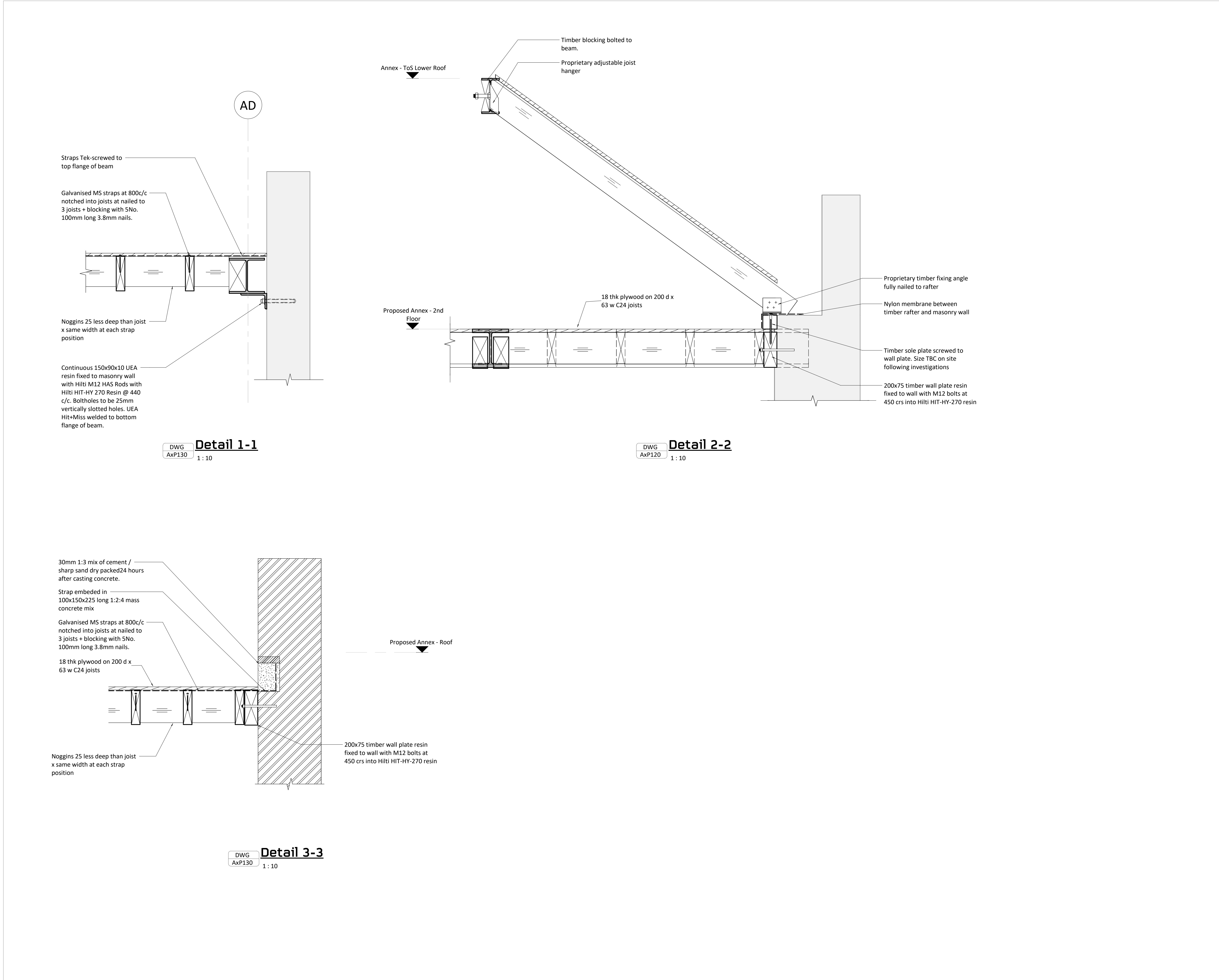
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Job Name  
**Hornsey Town Hall**  
**N8 9JJ**  
**Block: Annex**  
Drawing Title  
**Proposed Annex Second**  
**Floor Details Sheet 1**

Purpose of Issue **Construction** Scale at A1 **1 : 10**

Drg No **1862 / AxP154** Rev **C2**



100mm @ A1 (50mm @ A3)

- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
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#### Column Schedule

|      |                                            |
|------|--------------------------------------------|
| SC1  | 203x133x30 UB                              |
| SC2  | 203x203x46 UC                              |
| SC4  | 152x152x23 UC                              |
| SC10 | 90x90x10 SHS                               |
| SC11 | 200x120x6.3 RHS                            |
| SC16 | 180x180x10 SHS                             |
| STR1 | 2No 10mm plates welded to existing columns |

#### Beam Schedule

|     |                              |
|-----|------------------------------|
| B1  | 152x152x30 UC                |
| B4  | 254x254x73 UC                |
| B5  | 203x133x30 UB                |
| B6  | 200x90x30 PFC                |
| B9  | 203x203x46 UC                |
| B11 | UC152x152x30 w/ bottom plate |
| B13 | 203x203x71 UC                |
| B16 | 203x203x86 UC                |
| B18 | 254x102x22 UB                |
| B22 | 203x203x52 UC                |
| B23 | 203x102x23 UB                |
| B24 | 203x203x60 UC                |
| B28 | 254x254x132 UC               |
| B30 | 152x152x23 UC                |
| B42 | 150x100x8 RHS                |
| B43 | 254x254x89 UC                |
| B44 | 200x150x10 RHS               |
| B45 | UB356x171x57                 |
| BR1 | 100x10 MS Flat Bracing       |

#### Floor Schedule

|    |                                                                                      |
|----|--------------------------------------------------------------------------------------|
| 1  | 200 thk RC slab                                                                      |
| 4  | 200 d x 63 w C24 joists at 400 crs with 18 thk plywood screwed to top face of joists |
| 9  | 150 d x 50 w C16 joists at 300 crs with 18 thk plywood screwed to top face of joists |
| 20 | 200 d x 63 w C24 joists at 300 crs with 18 thk plywood screwed to top face of joists |

#### Legend

|  |                                                                                                             |
|--|-------------------------------------------------------------------------------------------------------------|
|  | Proposed RC structure                                                                                       |
|  | Proposed WRC structure                                                                                      |
|  | Proposed Steel Framing                                                                                      |
|  | 200 x 63 C16 wall plate resin fixed to existing masonry wall with Hilti HIT HY 270 + M16 anchors at 400 crs |
|  | 440 x 100wd x 215dp MC padstone                                                                             |
|  | 600 x 200wd x 215dp MC padstone                                                                             |
|  | Connection Strengthening                                                                                    |
|  | Crank                                                                                                       |
|  | Splice                                                                                                      |
|  | Moment connection                                                                                           |
|  | Thermal Break                                                                                               |
|  | Pre-camber                                                                                                  |
|  | Break in beam                                                                                               |

|     |          |     |     |                         |
|-----|----------|-----|-----|-------------------------|
| C3  | 11.02.22 | IRS | BW  | Revised as clouded      |
| C2  | 12.05.21 | IRS | BW  | Issued for Construction |
| C1  | 18.01.21 | IRS | BW  | Issued for Construction |
| Rev | Date     | By  | Eng | Amendments              |

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Job Name  
**Hornsey Town Hall  
N8 9JJ**

Drawing Title  
**Block:  
Proposed Annex Roof  
Details Sheet 1**

Purpose of Issue **Construction** Scale at A1 **1 : 10**

Drg No **1862 / AxP156**

Rev **C3**

- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
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#### Column Schedule

|      |                                            |
|------|--------------------------------------------|
| SC1  | 203x133x30 UB                              |
| SC2  | 203x203x46 UC                              |
| SC4  | 152x152x23 UC                              |
| SC10 | 90x90x10 SHS                               |
| SC11 | 200x120x6.3 RHS                            |
| SC16 | 180x180x10 SHS                             |
| STR1 | 2No 10mm plates welded to existing columns |

#### Beam Schedule

|     |                              |
|-----|------------------------------|
| B1  | 152x152x30 UC                |
| B4  | 254x254x73 UC                |
| B5  | 203x133x30 UB                |
| B6  | 200x90x30 PFC                |
| B9  | 203x203x46 UC                |
| B11 | UC152x152x30 w/ bottom plate |
| B13 | 203x203x71 UC                |
| B16 | 203x203x86 UC                |
| B18 | 254x102x22 UB                |
| B22 | 203x203x52 UC                |
| B23 | 203x102x23 UB                |
| B24 | 203x203x60 UC                |
| B28 | 254x254x132 UC               |
| B30 | 152x152x23 UC                |
| B42 | 150x100x8 RHS                |
| B43 | 254x254x89 UC                |
| B44 | 200x150x10 RHS               |
| B45 | UB356x171x57                 |
| BR1 | 100x10 MS Flat Bracing       |

#### Floor Schedule

|    |                                                                                      |
|----|--------------------------------------------------------------------------------------|
| 1  | 200 thk RC slab                                                                      |
| 4  | 200 d x 63 w C24 joists at 400 crs with 18 thk plywood screwed to top face of joists |
| 9  | 150 d x 50 w C16 joists at 300 crs with 18 thk plywood screwed to top face of joists |
| 20 | 200 d x 63 w C24 joists at 300 crs with 18 thk plywood screwed to top face of joists |

#### Legend

|  |                                                                                                             |
|--|-------------------------------------------------------------------------------------------------------------|
|  | Proposed RC structure                                                                                       |
|  | Proposed WRC structure                                                                                      |
|  | Proposed Steel Framing                                                                                      |
|  | 200 x 63 C16 wall plate resin fixed to existing masonry wall with Hilti HIT HY 270 + M16 anchors at 400 crs |
|  | 440 x 100wd x 215dp MC padstone                                                                             |
|  | 600 x 200wd x 215dp MC padstone                                                                             |
|  | Connection                                                                                                  |
|  | Strengthening                                                                                               |
|  | Crank                                                                                                       |
|  | Splice                                                                                                      |
|  | Moment connection                                                                                           |
|  | Thermal Break                                                                                               |
|  | Break in beam                                                                                               |
|  | Pre-camber                                                                                                  |

|     |          |     |     |                         |
|-----|----------|-----|-----|-------------------------|
| C3  | 11.02.22 | IRS | BW  | Revised as clouded      |
| C2  | 12.05.21 | IRS | BW  | Issued for Construction |
| C1  | 18.01.21 | IRS | BW  | Issued for Construction |
| Rev | Date     | By  | Eng | Amendments              |

**HEYNE  
TILLET  
STEEL**

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Job Name  
**Hornsey Town Hall  
N8 9JJ**

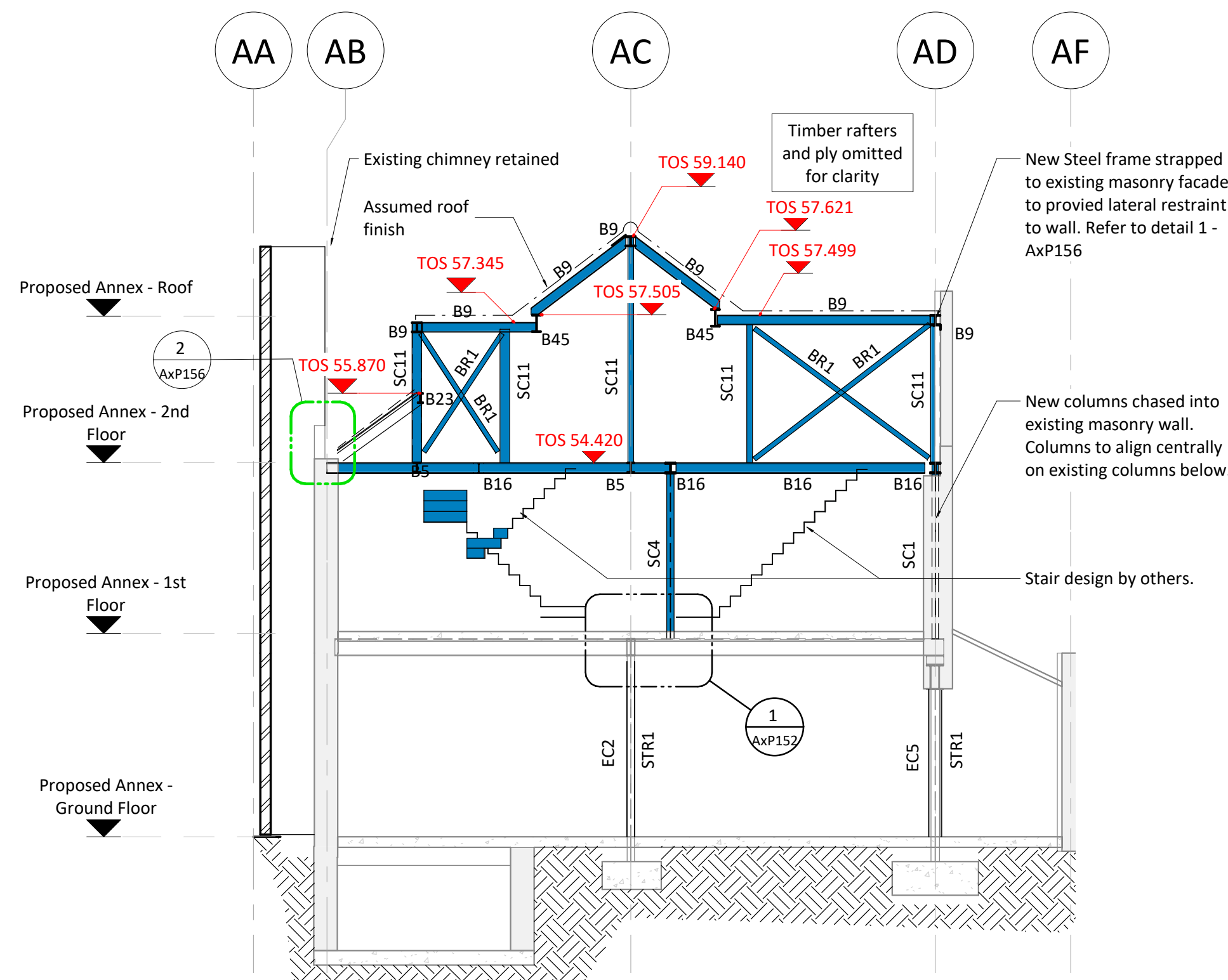
**Block: Annex**

Drawing Title  
**Proposed Long Sections**

Purpose of Issue **Construction** Scale at A1 **1 : 100**

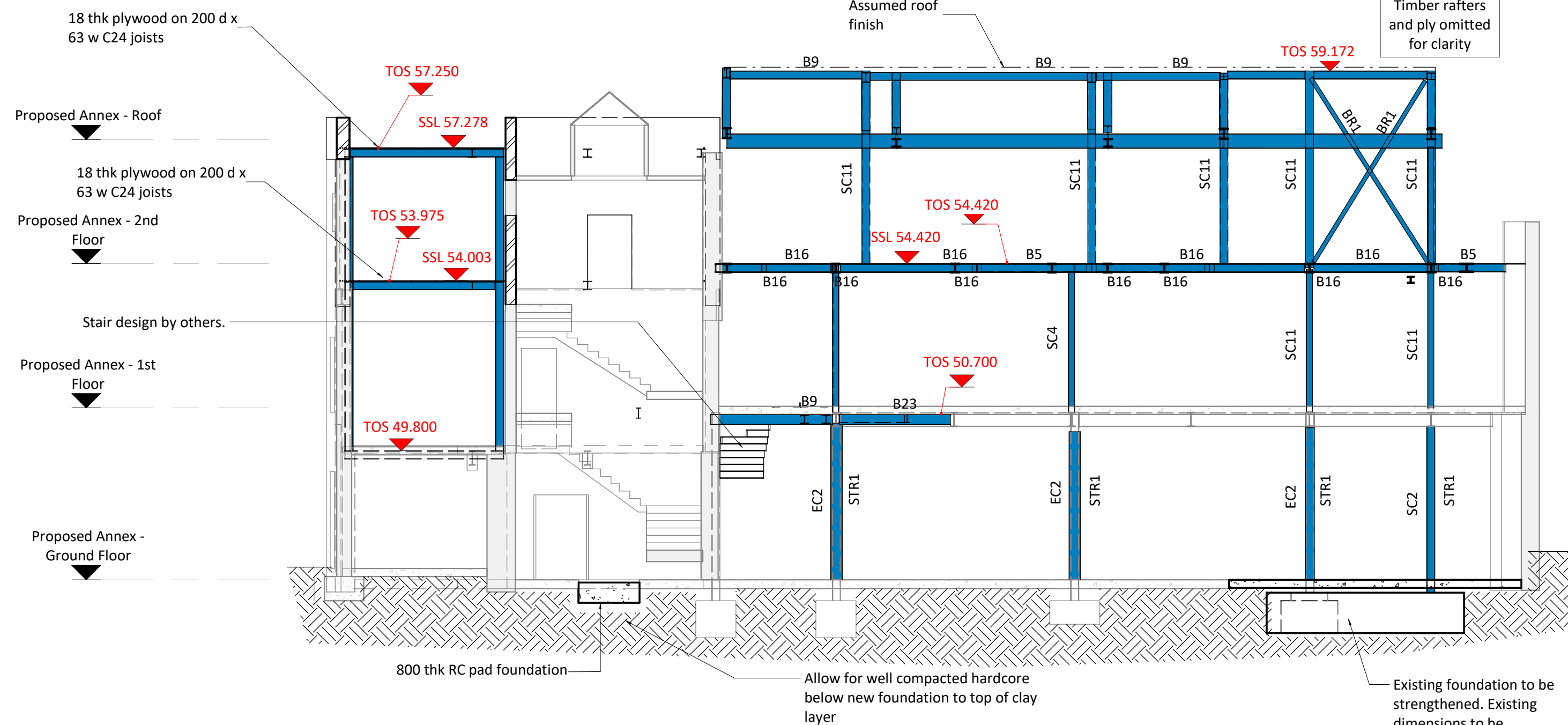
Drg No **1862 / AXP200**

Rev **C3**



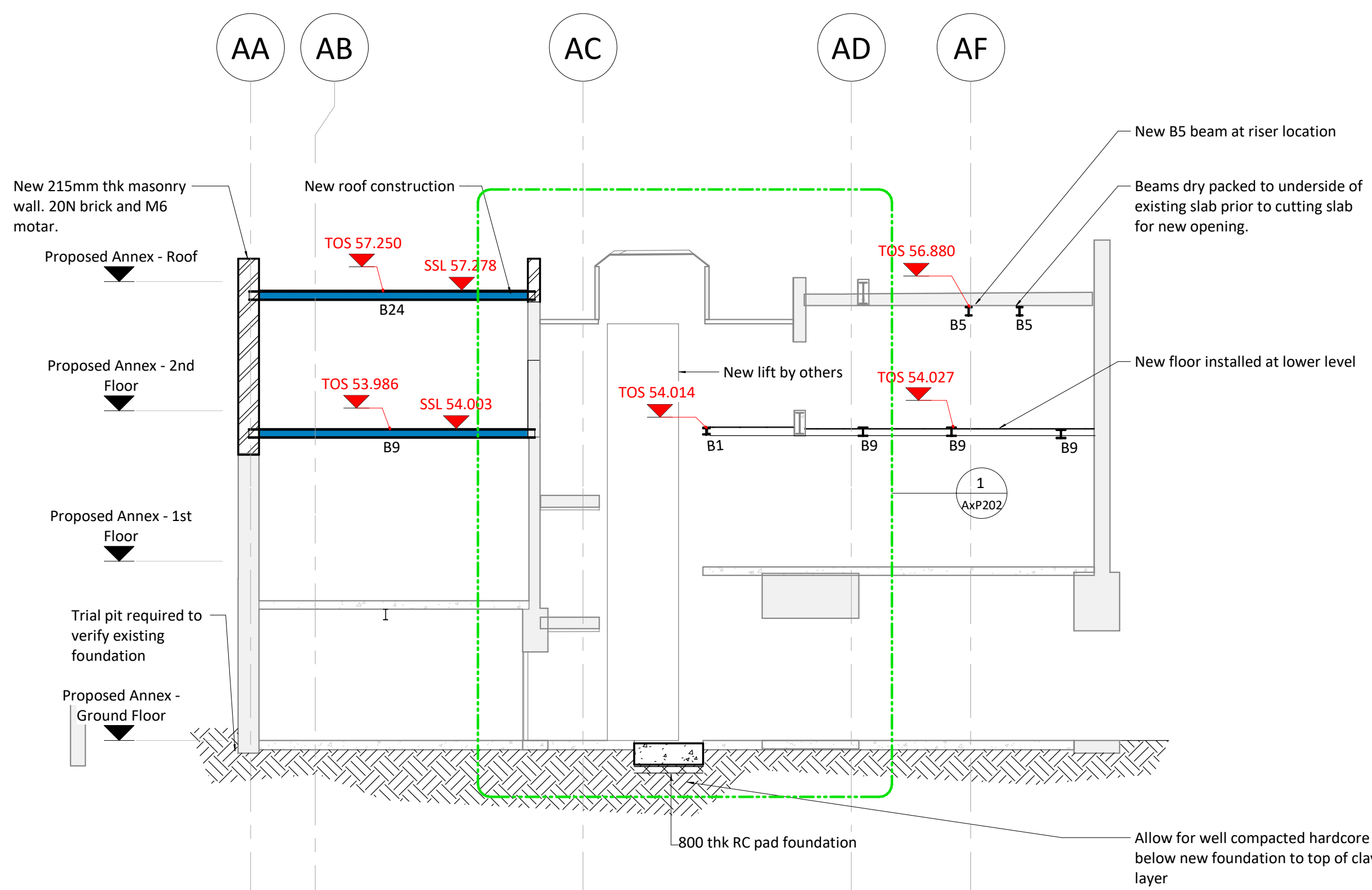
#### Section A-A

1 : 100



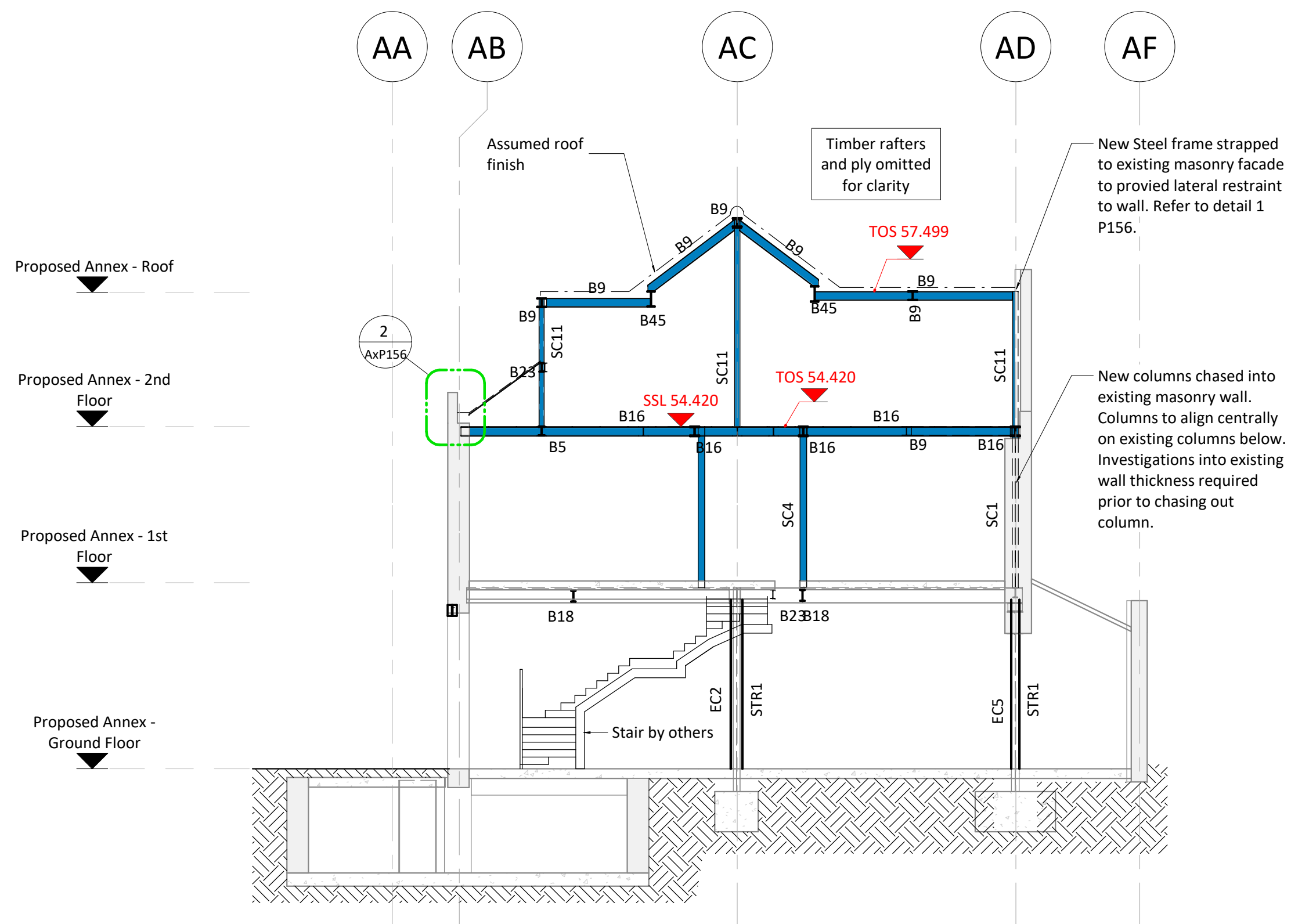
#### Section B-B

1 : 100



#### Section C-C

1 : 100



#### Section D-D

DWG  
AxP100 1 : 100