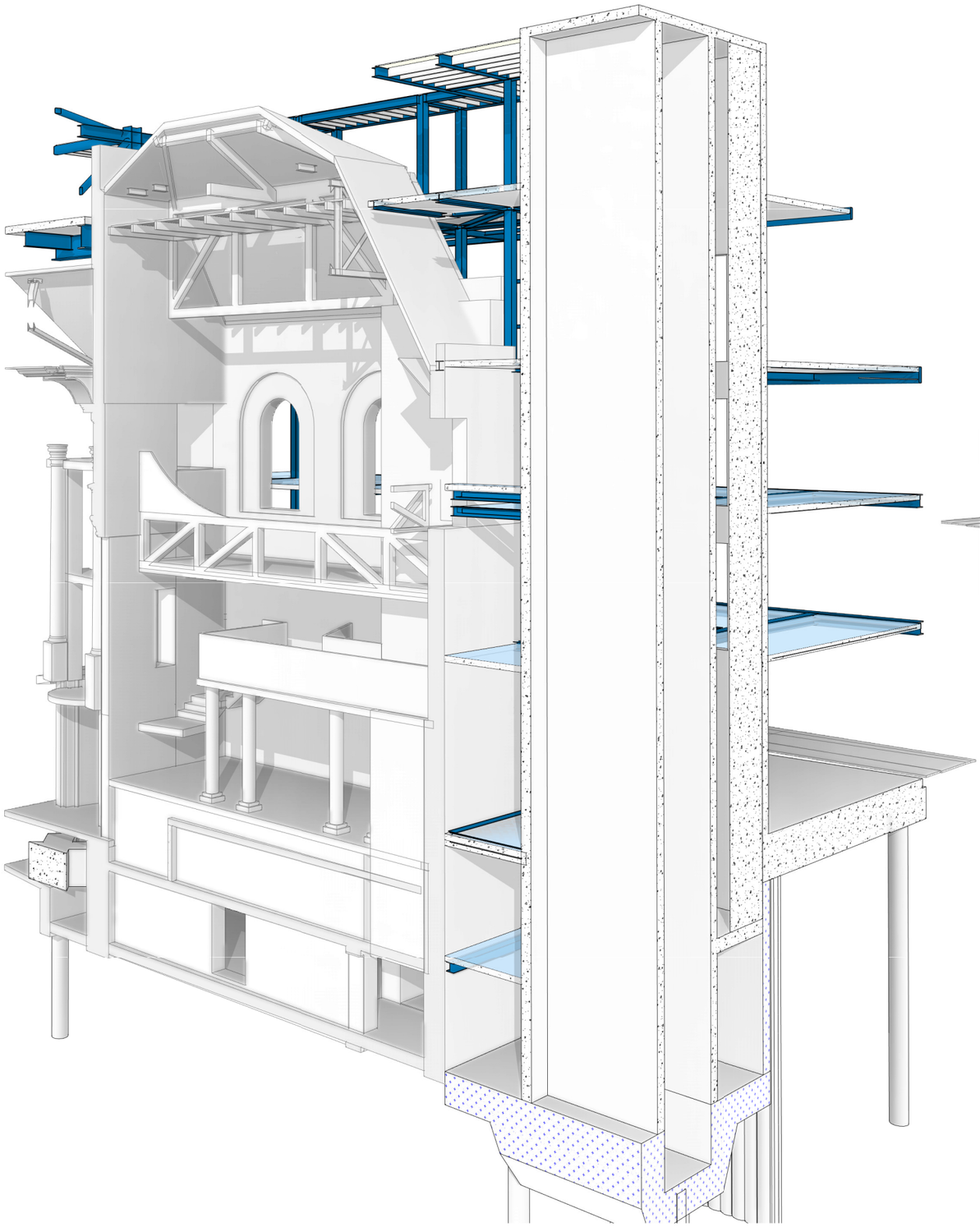

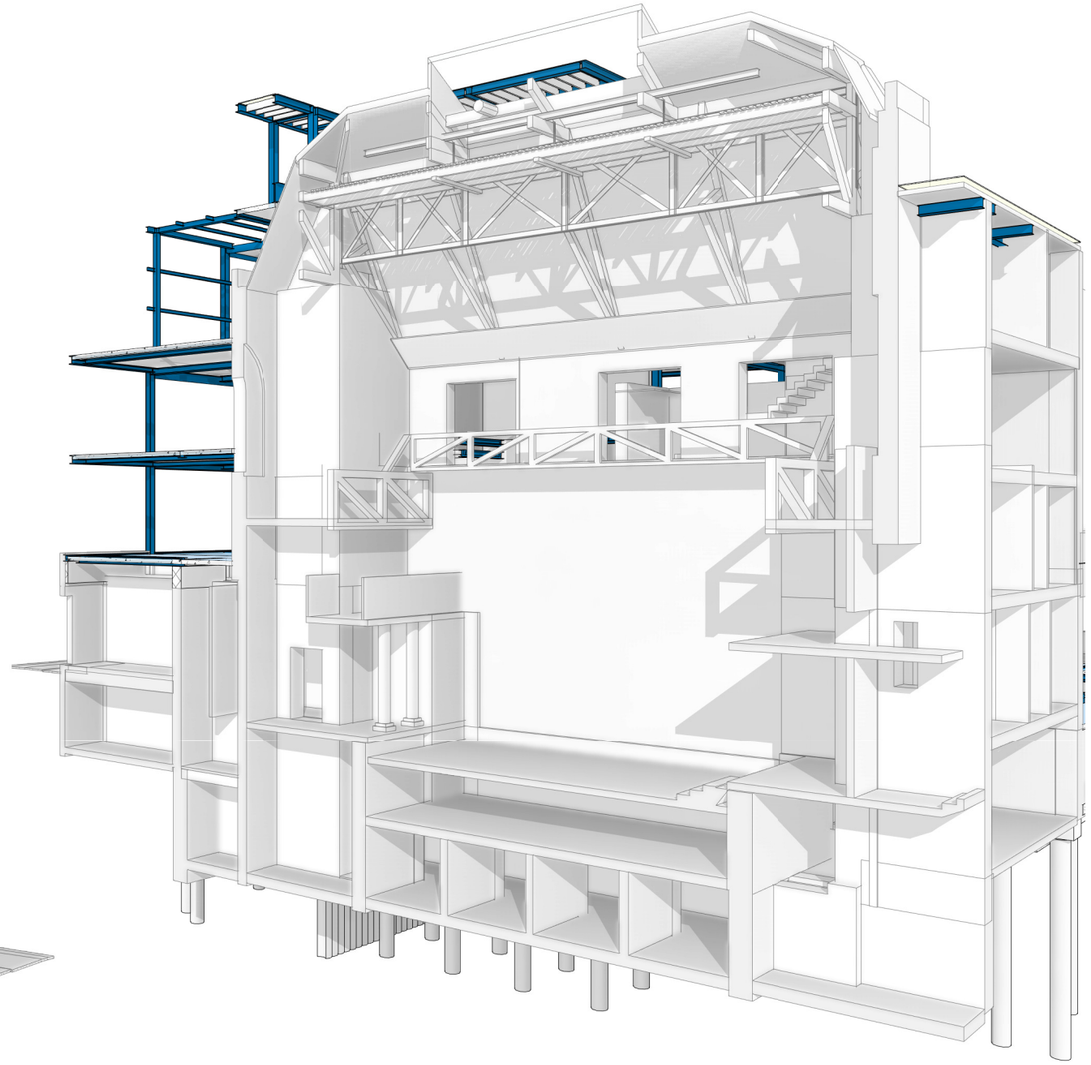

Rev	Date	By	Eng	Amendments
P2	27.10.17	JH	AC	PLANNING
P1	01.09.17	SLS	AC	Preliminary Issue

HEYNE TILLETT STEEL

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Job Name

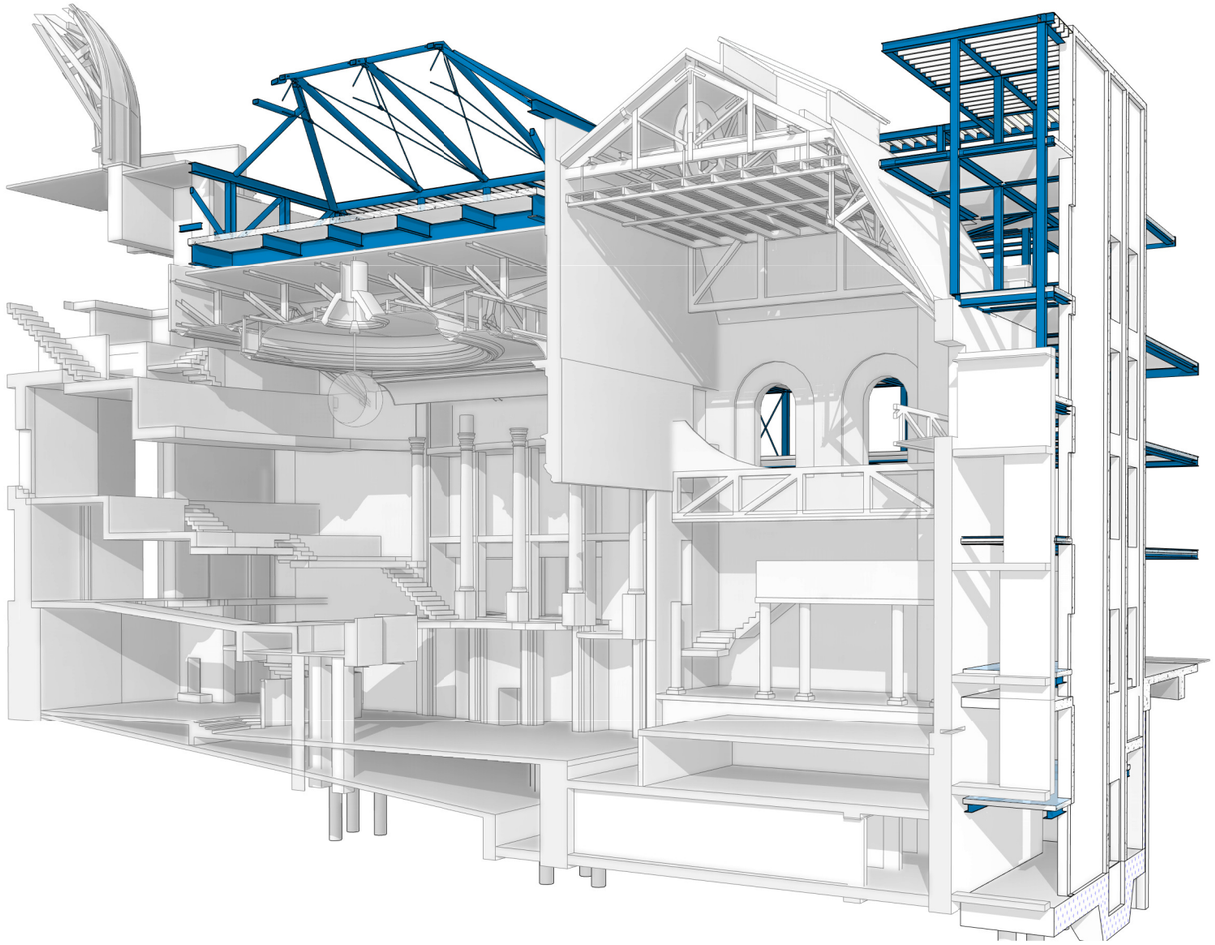
The Hope Project

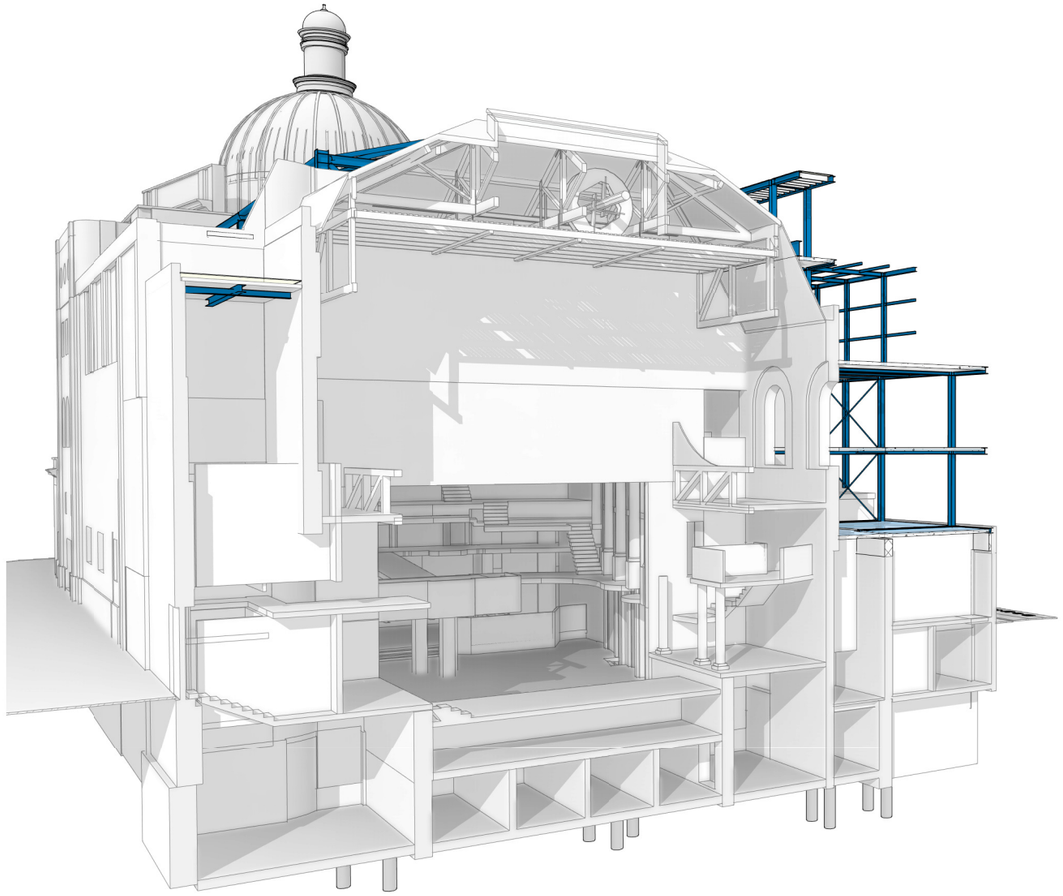
Drawing Title

Proposed Sectional Views Sheet 1

Purpose of Issue **Preliminary** Scale at A1

Drg No **1444 / P007** Rev **P2**





Rev	Date	By	Eng	Amendments
P2	27.10.17	JH	AC	PLANNING
P1	01.09.17	SLS	AC	Preliminary Issue

HEYNE TILLETT STEEL

STRUCTURAL ENGINEERS

hts.uk.com

Job Name

The Hope Project

Drawing Title

Proposed Sectional Views Sheet 2

Purpose of Issue **Preliminary** Scale at A1

Drg No **1444 / P008** Rev **P2**

Piling Schedule

Ref	Diameter	Cut Off Level	SWL (kN)	Shear (kN)	Tension (kN)
P1	450	19.720			
P2	450	19.720			
P3	450	19.720			
P4	450	19.420			
P5	450	19.420			
P6	450	19.420			
P7	450	19.325			
P8	450	19.325			
P9	450	19.325			
P10	450	19.325			
P11	450	19.325			
P12	450	19.325			
P13	450	19.625			
P14	450	19.625			
P15	450	19.625			
P16	450	19.625			
P17	450	19.625			
P18	450	19.625			
P19	450	19.625			
P20	450	19.500			
P21	450	19.550			
P22	450	19.625			
P23	450	19.625			
P24	450	19.625			
P25	450	19.625			
P26	450	19.625			
P27	450	19.625			
P28	450	21.825			
P29	450	21.825			
P30	450	21.825			
P31	450	21.825			
P32	450	21.825			
P33	450	21.825			
P34	450	21.825			
P35	450	21.825			
P36	450	21.825			
P37	450	21.825			
P38	450	21.825			
P39	450	21.825			
P40	450	21.825			
P41	450	21.825			
P42	450	21.825			
P43	450	21.825			
P44	450	21.825			
P45	450	21.825			
P46	450	21.825			
P47	450	21.825			
P48	450	20.790			
P49	450	20.790			
P50	450	20.750			
P51	450	20.790			
P52	450	17.305			
P53	450	17.305			
P54	450	17.305			
P55	450	17.305			
P56	450	16.105			
P57	450	16.105			
P58	450	17.305			
P59	450	17.305			
P60	450	17.305			
P61	450	17.305			
P62	450	17.305			
P63	450	17.305			

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 Piling design to be the responsibility of the contractor

4 All piles to have 75mm embedment into underside of pile caps / raft

5 All piles to be designed for a nominal 50 kN horizontal and tension load UNO

6 All loads provided in the pile table relate to forces at the head of the pile. The contractor is to assess and allow for any secondary effects in relation to this.

7 All loads stated in the pile table relate to permanent works design loadings only. All temporary / construction works loading to be assessed by the contractor.

8 Piles generally have assumed installation tolerance of +/- 75mm in plan, and 1/75 of depth.

9 Unless noted otherwise, piled crane base and pile mat to be designed by the contractor. Refer to temporary works engineers drawings for crane base loads and setting out

HEYNE TILLETT STEEL
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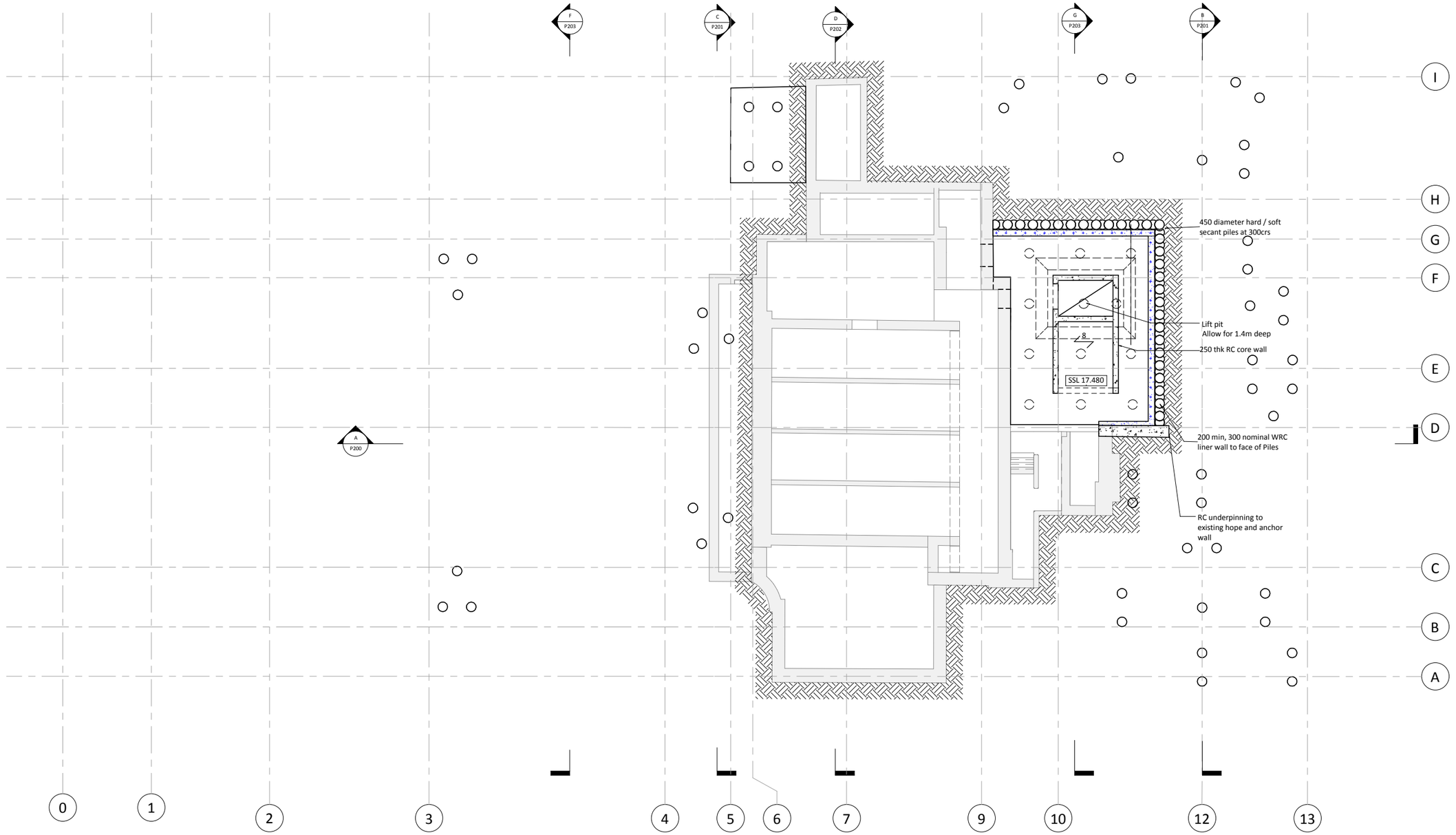
Job Name
The Hope Project

Drawing Title
Proposed Piling layout

Rev	Date	By	Eng	Amendments
P2	27.10.17	JH	AC	PLANNING
P1	01.09.17	SLS	AC	Preliminary Issue

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

Drg No **1444 / P070** Rev **P2**



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

Column Schedule

C2	203x203x46 UC
C3	203x203x86 UC
C4	254x254x89 UC
C5	356x368x153 UC
C6	250x150x14.2 RHS
C7	203x203x52 UC
C8	152x152x30 UC
C9	cranlked column
C10	152x152x23 UC

Truss T1 formed with B24 to members with 30mm dia Macalloy ties

Beam Schedule

B1	203x203x46 UC + 200x100x10 UA
B2	203x203x60 UC + 150x90x10 UA
B3	406x178x67 UB
B4	203x203x86 UC + 150x90x10 UA
B5	254x254x89 UC + 200x100x10 UA
B6	610x305x238 UB
B7	203x203x46 UC
B8	203x203x86 UC
B9	254x254x107 UC + 200x100x10 UA
B10	305x305x97 UC
B11	533x210x92 UB
B12	150x150x10 SHS
B13	305 UC137 + 200x100x10 UA
B14	305x305x137 UC + 200x100x10 UA
B15	250x150x14.2 RHS
B16	200x90x30 PFC
B17	457x191 UB89 + 150x90x10 UA
B18	533x210 UB92 + 150x90x10 UA
B19	533x210 UB109 + 150x90x10 UA
B20	200x150x10.0 RHS
B21	203x203x52 UC
B22	406x178x60 UB
B23	356x171 UB45
B24	300x100x12.0 RHS
B25	305x102x28 UB
B26	254x102x25 UB
B27	254x102 UB25
B28	203x102 UB23
B29	305 UC118 + 200x100x10 UA
B30	356x171 UB51 + 150x900x10 UA
B31	305x102 UB28 + 150x900x10 UA
B32	400x150x12.0 RHS
B33	152x152x23 UC
B34	203x102x23 UB
B35	254x254x89 UC
BR1	150 x 10 MS plate cross-brace
BR2	45mm macalloy bar
BR3	30mm macalloy bar
EA1	100x100x10 EA fixed to perimeter
PG01	550 dp x 350 wd plate girder

Floor Legend

x RC Slab	1	130 thk profiled LWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
x Profiled metal deck	2	200 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
x Timber floor	4	200 d x 50 w C24 joists at 400 crs with 18 thk plywood screwed to top face
	5	200 thk RC slab
	6	300 thk RC slab
	7	250 thk RC slab
	8	700 thk WRC slab

∗ Indicates angle welded to web of beam. Size indicated in table above

Detail Key

- Proposed RC structure
- Proposed Steel Framing
- PSx — PS1 - 450lg x 150wd x 150dp MC padstone
- ST — Connection Strengthening
- M / M — Moment connection
- B1 [25mm] — Pre-camber
- C — Crank
- S — Splice
- TB — Thermal Break
- BR — Break in beam

Rev	Date	By	Eng	Amendments
P2	27.10.17	JH	AC	PLANNING
P1	01.09.17	SLS	AC	Preliminary Issue

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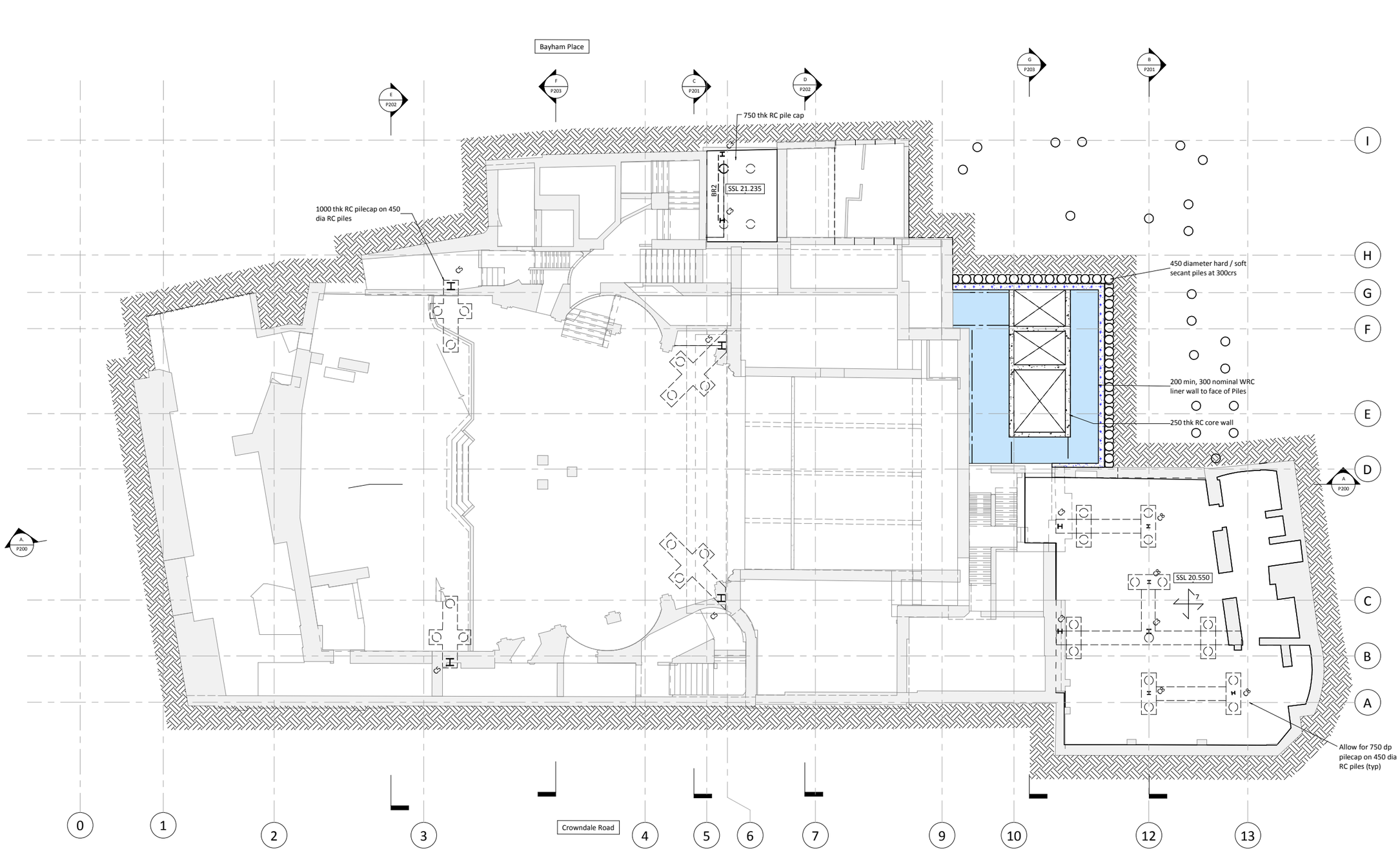
Job Name
The Hope Project

Drawing Title
Proposed Sub Basement

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

Drg No **1444 / P080** Rev **P2**



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

Column Schedule

C2	203x203x46 UC
C3	203x203x86 UC
C4	254x254x89 UC
C5	356x368x153 UC
C6	250x150x14.2 RHS
C7	203x203x52 UC
C8	152x152x30 UC
C9	cranlked column
C10	152x152x23 UC

Truss T1 formed with B24 to members with 30mm dia Macalloy ties

Beam Schedule

B1	203x203x46 UC + 200x100x10 UA
B2	203x203x60 UC + 150x90x10 UA
B3	406x178x67 UB
B4	203x203x86 UC + 150x90x10 UA
B5	254x254x89 UC + 200x100x10 UA
B6	610x305x238 UB
B7	203x203x46 UC
B8	203x203x86 UC
B9	254x254x107 UC + 200x100x10 UA
B10	305x305x97 UC
B11	533x210x92 UB
B12	150x150x10 SHS
B13	305 UC137 + 200x100x10 UA
B14	305x305x137 UC + 200x100x10 UA
B15	250x150x14.2 RHS
B16	200x90x30 PFC
B17	457x191 UB89 + 150x90x10 UA
B18	533x210 UB92 + 150x90x10 UA
B19	533x210 UB109 + 150x90x10 UA
B20	200x150x10.0 RHS
B21	203x203x52 UC
B22	406x178x60 UB
B23	356x171 UB45
B24	300x100x12.0 RHS
B25	305x102x28 UB
B26	254x102x25 UB
B27	254x102 UB25
B28	203x102 UB23
B29	305 UC118 + 200x100x10 UA
B30	356x171 UB51 + 150x900x10 UA
B31	305x102 UB28 + 150x900x10 UA
B32	400x150x12.0 RHS
B33	152x152x23 UC
B34	203x102x23 UB
B35	254x254x89 UC
BR1	150 x 10 MS plate cross-brace
BR2	45mm macalloy bar
BR3	30mm macalloy bar
EA1	100x100x10 EA fixed to perimeter
PG01	550 dp x 350 wd plate girder

Floor Legend

x RC Slab	1	130 thk profiled LWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
x Profiled metal deck	2	200 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
x Timber floor	4	200 d x 50 w C24 joists at 400 crs with 18 thk plywood screwed to top face
	5	200 thk RC slab
	6	300 thk RC slab
	7	250 thk RC slab
	8	700 thk WRC slab

∗ Indicates angle welded to web of beam. Size indicated in table above

Detail Key

- Proposed RC structure
- Proposed Steel Framing
- PSx — PS1 - 450lg x 150wd x 150dp MC padstone
- ST — Connection Strengthening
- M / M — Moment connection
- B1 [25mm] — Pre-camber
- C — Crank
- S — Splice
- TB — Thermal Break
- BR — Break in beam

Rev	Date	By	Eng	Amendments
P2	27.10.17	JH	AC	PLANNING
P1	01.09.17	SLS	AC	Preliminary Issue

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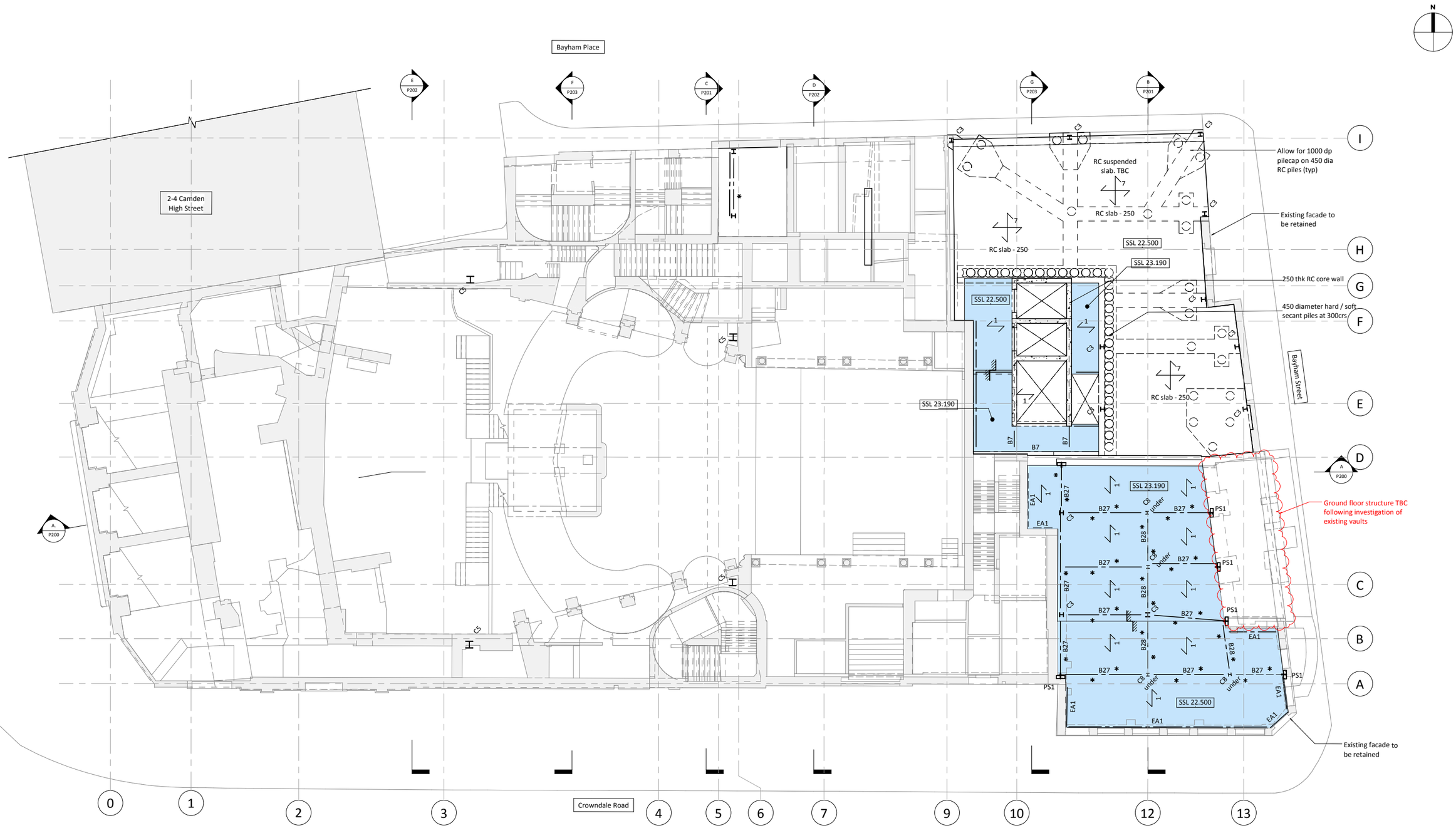
Job Name
The Hope Project

Drawing Title
Proposed Basement Floor Plan

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

Drg No **1444 / P090** Rev **P2**



100mm @ A1 (50mm @ A3)

1 This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.

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Column Schedule

C2	203x203x46 UC
C3	203x203x86 UC
C4	254x254x89 UC
C5	356x368x153 UC
C6	250x150x14.2 RHS
C7	203x203x52 UC
C8	152x152x30 UC
C9	cranlked column
C10	152x152x23 UC

Truss T1 formed with B24 to members with 30mm dia Macalloy ties

Beam Schedule

B1	203x203x46 UC + 200x100x10 UA
B2	203x203x60 UC + 150x90x10 UA
B3	406x178x67 UB
B4	203x203x86 UC + 150x90x10 UA
B5	254x254x89 UC + 200x100x10 UA
B6	610x305x238 UB
B7	203x203x46 UC
B8	203x203x86 UC
B9	254x254x107 UC + 200x100x10 UA
B10	305x305x97 UC
B11	533x210x92 UB
B12	150x150x10 SHS
B13	305 UC137 + 200x100x10 UA
B14	305x305x137 UC + 200x100x10 UA
B15	250x150x14.2 RHS
B16	200x90x30 PFC
B17	457x191 UB89 + 150x90x10 UA
B18	533x210 UB92 + 150x90x10 UA
B19	533x210 UB109 + 150x90x10 UA
B20	200x150x10.0 RHS
B21	203x203x52 UC
B22	406x178x60 UB
B23	356x171 UB45
B24	300x100x12.0 RHS
B25	305x102x28 UB
B26	254x102x25 UB
B27	254x102 UB25
B28	203x102 UB23
B29	305 UC118 + 200x100x10 UA
B30	356x171 UB51 + 150x900x10 UA
B31	305x102 UB28 + 150x900x10 UA
B32	400x150x12.0 RHS
B33	152x152x23 UC
B34	203x102x23 UB
B35	254x254x89 UC
BR1	150 x 10 MS plate cross-brace
BR2	45mm macalloy bar
BR3	30mm macalloy bar
EA1	100x100x10 EA fixed to perimeter
PG01	550 dp x 350 wd plate girder

Floor Legend

RC Slab	1	130 thk profiled LWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
Profiled metal deck	2	200 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
Timber floor	4	200 d x 50 w C24 joists at 400 crs with 18 thk plywood screwed to top face
	5	200 thk RC slab
	6	300 thk RC slab
	7	250 thk RC slab
	8	700 thk WRC slab

∗ Indicates angle welded to web of beam. Size indicated in table above

Detail Key

- Proposed RC structure
- Proposed Steel Framing
- PSx — PS1 - 450lg x 150wd x 150dp MC padstone
- ST — Connection Strengthening
- M / M — Moment connection
- B1 [25mm] — Pre-camber
- C — Crank
- S — Splice
- TB — Thermal Break
- BR — Break in beam

Rev	Date	By	Eng	Amendments
P2	27.10.17	JH	AC	PLANNING
P1	01.09.17	SLS	AC	Preliminary Issue

HEYNE TILLETT STEEL
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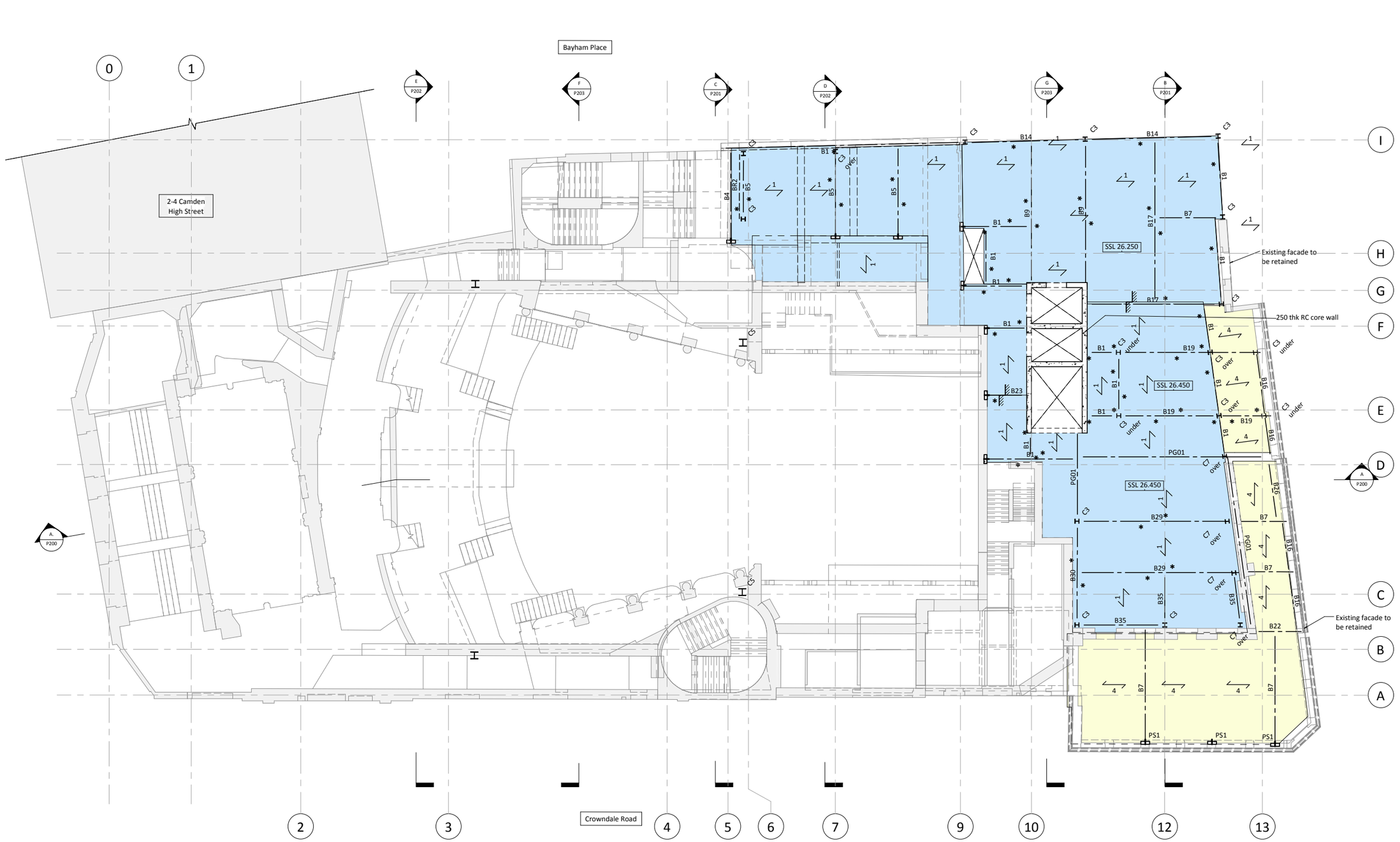
Job Name
The Hope Project

Drawing Title
Proposed Ground Floor Plan

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

Drg No **1444 / P100** Rev **P2**



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

Column Schedule

C2	203x203x46 UC
C3	203x203x86 UC
C4	254x254x89 UC
C5	356x368x153 UC
C6	250x150x14.2 RHS
C7	203x203x52 UC
C8	152x152x30 UC
C9	cranlked column
C10	152x152x23 UC

Truss T1 formed with B24 to members with 30mm dia Macalloy ties

Beam Schedule

B1	203x203x46 UC + 200x100x10 UA
B2	203x203x60 UC + 150x90x10 UA
B3	406x178x67 UB
B4	203x203x86 UC + 150x90x10 UA
B5	254x254x89 UC + 200x100x10 UA
B6	610x305x238 UB
B7	203x203x46 UC
B8	203x203x86 UC
B9	254x254x107 UC + 200x100x10 UA
B10	305x305x97 UC
B11	533x210x92 UB
B12	150x150x10 SHS
B13	305 UC137 + 200x100x10 UA
B14	305x305x137 UC + 200x100x10 UA
B15	250x150x14.2 RHS
B16	200x90x30 PFC
B17	457x191 UB89 + 150x90x10 UA
B18	533x210 UB92 + 150x90x10 UA
B19	533x210 UB109 + 150x90x10 UA
B20	200x150x10.0 RHS
B21	203x203x52 UC
B22	406x178x60 UB
B23	356x171 UB45
B24	300x100x12.0 RHS
B25	305x102x28 UB
B26	254x102x25 UB
B27	254x102 UB25
B28	203x102 UB23
B29	305 UC118 + 200x100x10 UA
B30	356x171 UB51 + 150x900x10 UA
B31	305x102 UB28 + 150x900x10 UA
B32	400x150x12.0 RHS
B33	152x152x23 UC
B34	203x102x23 UB
B35	254x254x89 UC
BR1	150 x 10 MS plate cross-brace
BR2	45mm macalloy bar
BR3	30mm macalloy bar
EA1	100x100x10 EA fixed to perimeter
PG01	550 dp x 350 wd plate girder

Floor Legend

x RC Slab	1	130 thk profiled LWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
x Profiled metal deck	2	200 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
x Timber floor	4	200 d x 50 w C24 joists at 400 crs with 18 thk plywood screwed to top face
	5	200 thk RC slab
	6	300 thk RC slab
	7	250 thk RC slab
	8	700 thk WRC slab

∗ Indicates angle welded to web of beam. Size indicated in table above

Detail Key

- Proposed RC structure
- Proposed Steel Framing
- PSx — PS1 - 450lg x 150wd x 150dp MC padstone
- ST — Connection Strengthening
- M / M — Moment connection
- B1 [25mm] — Pre-camber
- C — Crank
- S — Splice
- TB — Thermal Break
- BR — Break in beam

Rev	Date	By	Eng	Amendments
P2	27.10.17	JH	AC	PLANNING
P1	01.09.17	SLS	AC	Preliminary Issue

HEYNE TILLETT STEEL
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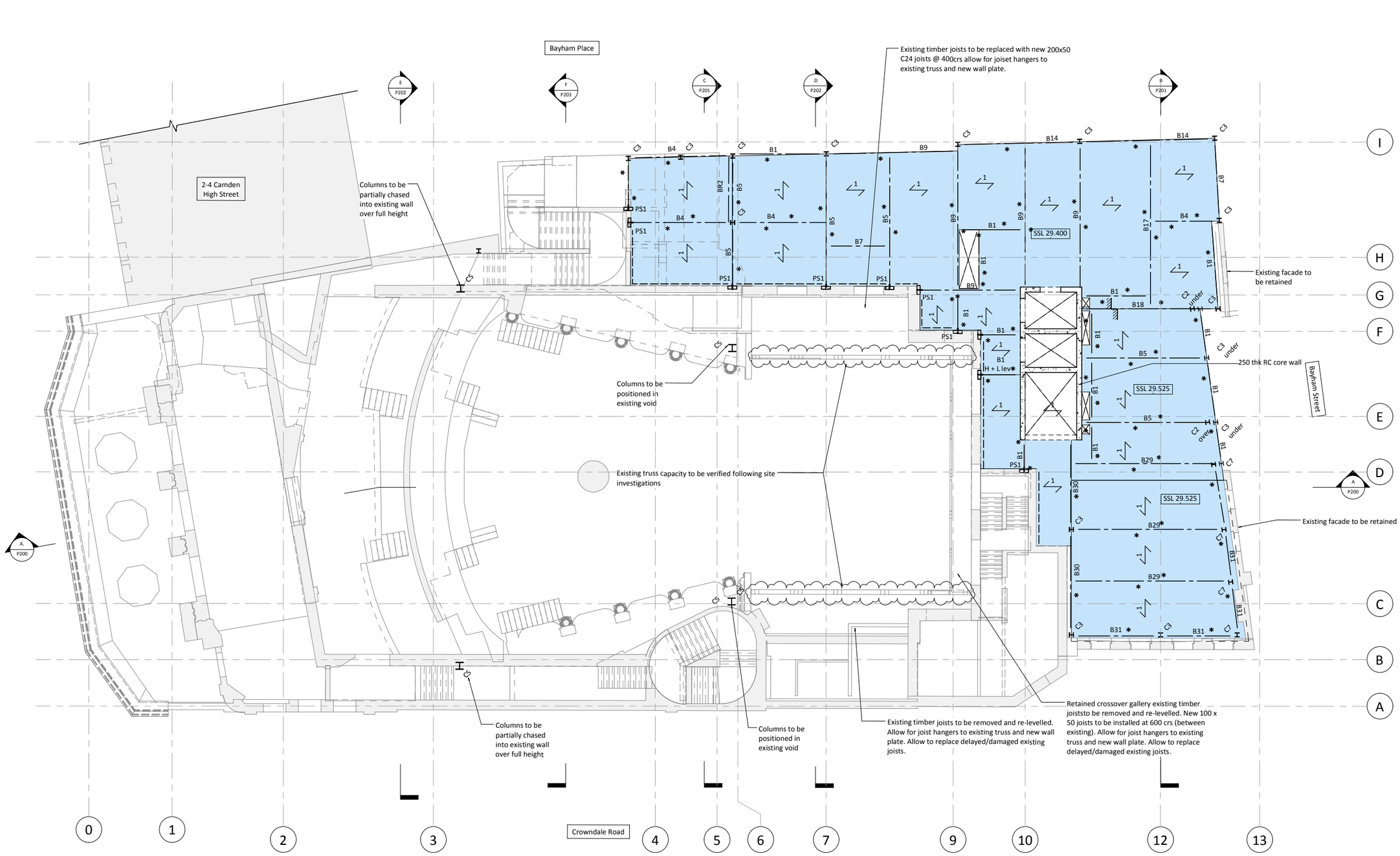
Job Name
The Hope Project

Drawing Title
Proposed First Floor Plan

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

Drg No **1444 / P110** Rev **P2**



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

Column Schedule

C2	203x203x46 UC
C3	203x203x86 UC
C4	254x254x89 UC
C5	356x368x153 UC
C6	250x150x14.2 RHS
C7	203x203x52 UC
C8	152x152x30 UC
C9	cranlked column
C10	152x152x23 UC

Truss T1 formed with B24 to members with 30mm dia Macalloy ties

Beam Schedule

B1	203x203x46 UC + 200x100x10 UA
B2	203x203x60 UC + 150x90x10 UA
B3	406x178x67 UB
B4	203x203x86 UC + 150x90x10 UA
B5	254x254x89 UC + 200x100x10 UA
B6	610x305x238 UB
B7	203x203x46 UC
B8	203x203x86 UC
B9	254x254x107 UC + 200x100x10 UA
B10	305x305x97 UC
B11	533x210x92 UB
B12	150x150x10 SHS
B13	305 UC137 + 200x100x10 UA
B14	305x305x137 UC + 200x100x10 UA
B15	250x150x14.2 RHS
B16	200x90x30 PFC
B17	457x191 UB89 + 150x90x10 UA
B18	533x210 UB92 + 150x90x10 UA
B19	533x210 UB109 + 150x90x10 UA
B20	200x150x10.0 RHS
B21	203x203x52 UC
B22	406x178x60 UB
B23	356x171 UB45
B24	300x100x12.0 RHS
B25	305x102x28 UB
B26	254x102x25 UB
B27	254x102 UB25
B28	203x102 UB23
B29	305 UC118 + 200x100x10 UA
B30	356x171 UB51 + 150x900x10 UA
B31	305x102 UB28 + 150x900x10 UA
B32	400x150x12.0 RHS
B33	152x152x23 UC
B34	203x102x23 UB
B35	254x254x89 UC
BR1	150 x 10 MS plate cross-brace
BR2	45mm macalloy bar
BR3	30mm macalloy bar
EA1	100x100x10 EA fixed to perimeter
PG01	550 dp x 350 wd plate girder

Floor Legend

RC Slab	1	130 thk profiled LWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
Profiled metal deck	2	200 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
	4	200 d x 50 w C24 joists at 400 crs with 18 thk plywood screwed to top face
Timber floor	5	200 thk RC slab
	6	300 thk RC slab
	7	250 thk RC slab
	8	700 thk WRC slab

* Indicates angle welded to web of beam. Size indicated in table above

Detail Key

- Proposed RC structure
- Proposed Steel Framing
- PSx — PS1 - 450lg x 150wd x 150dp MC padstone
- ST — Connection Strengthening
- M / M — Moment connection
- B1 [25mm] — Pre-camber
- C — Crank
- S — Splice
- TB — Thermal Break
- BR — Break in beam

Rev	Date	By	Eng	Amendments
P2	27.10.17	JH	AC	PLANNING
P1	01.09.17	SLS	AC	Preliminary Issue

HEYNE TILLETT STEEL
STRUCTURAL ENGINEERS
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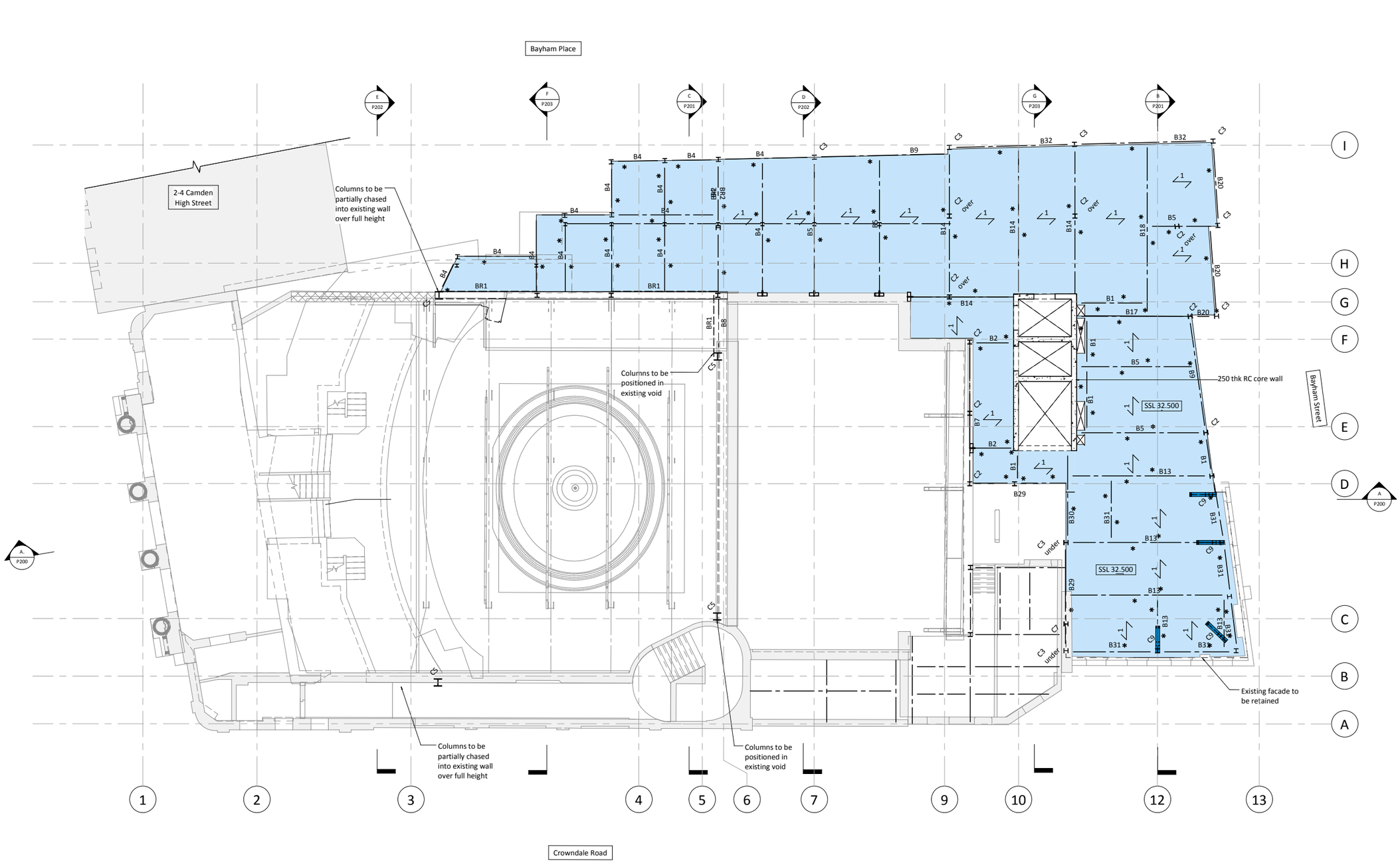
Job Name
The Hope Project

Drawing Title
Proposed Second Floor Plan

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

Drg No **1444 / P120** Rev **P2**



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

Column Schedule

C2	203x203x46 UC
C3	203x203x86 UC
C4	254x254x89 UC
C5	356x368x153 UC
C6	250x150x14.2 RHS
C7	203x203x52 UC
C8	152x152x30 UC
C9	cranlked column
C10	152x152x23 UC

Truss T1 formed with B24 to members with 30mm dia Macalloy ties

Beam Schedule

B1	203x203x46 UC + 200x100x10 UA
B2	203x203x60 UC + 150x90x10 UA
B3	406x178x67 UB
B4	203x203x86 UC + 150x90x10 UA
B5	254x254x89 UC + 200x100x10 UA
B6	610x305x238 UB
B7	203x203x46 UC
B8	203x203x86 UC
B9	254x254x107 UC + 200x100x10 UA
B10	305x305x97 UC
B11	533x210x92 UB
B12	150x150x10 SHS
B13	305 UC137 + 200x100x10 UA
B14	305x305x137 UC + 200x100x10 UA
B15	250x150x14.2 RHS
B16	200x90x30 PFC
B17	457x191 UB89 + 150x90x10 UA
B18	533x210 UB92 + 150x90x10 UA
B19	533x210 UB109 + 150x90x10 UA
B20	200x150x10.0 RHS
B21	203x203x52 UC
B22	406x178x60 UB
B23	356x171 UB45
B24	300x100x12.0 RHS
B25	305x102x28 UB
B26	254x102x25 UB
B27	254x102 UB25
B28	203x102 UB23
B29	305 UC118 + 200x100x10 UA
B30	356x171 UB51 + 150x900x10 UA
B31	305x102 UB28 + 150x900x10 UA
B32	400x150x12.0 RHS
B33	152x152x23 UC
B34	203x102x23 UB
B35	254x254x89 UC
BR1	150 x 10 MS plate cross-brace
BR2	45mm macalloy bar
BR3	30mm macalloy bar
EA1	100x100x10 EA fixed to perimeter
PG01	550 dp x 350 wd plate girder

Floor Legend

x RC Slab	1	130 thk profiled LWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
x Profiled metal deck	2	200 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
x Timber floor	4	200 d x 50 w C24 joists at 400 crs with 18 thk plywood screwed to top face
	5	200 thk RC slab
	6	300 thk RC slab
	7	250 thk RC slab
	8	700 thk WRC slab

∗ Indicates angle welded to web of beam. Size indicated in table above

Detail Key

- Proposed RC structure
- Proposed Steel Framing
- PSx — PS1 - 450lg x 150wd x 150dp MC padstone
- ST — Connection Strengthening
- M / M — Moment connection
- B1 [25mm] — Pre-camber
- C — Crank
- S — Splice
- TB — Thermal Break
- BR — Break in beam

Rev	Date	By	Eng	Amendments
P2	27.10.17	JH	AC	PLANNING
P1	01.09.17	SLS	AC	Preliminary Issue

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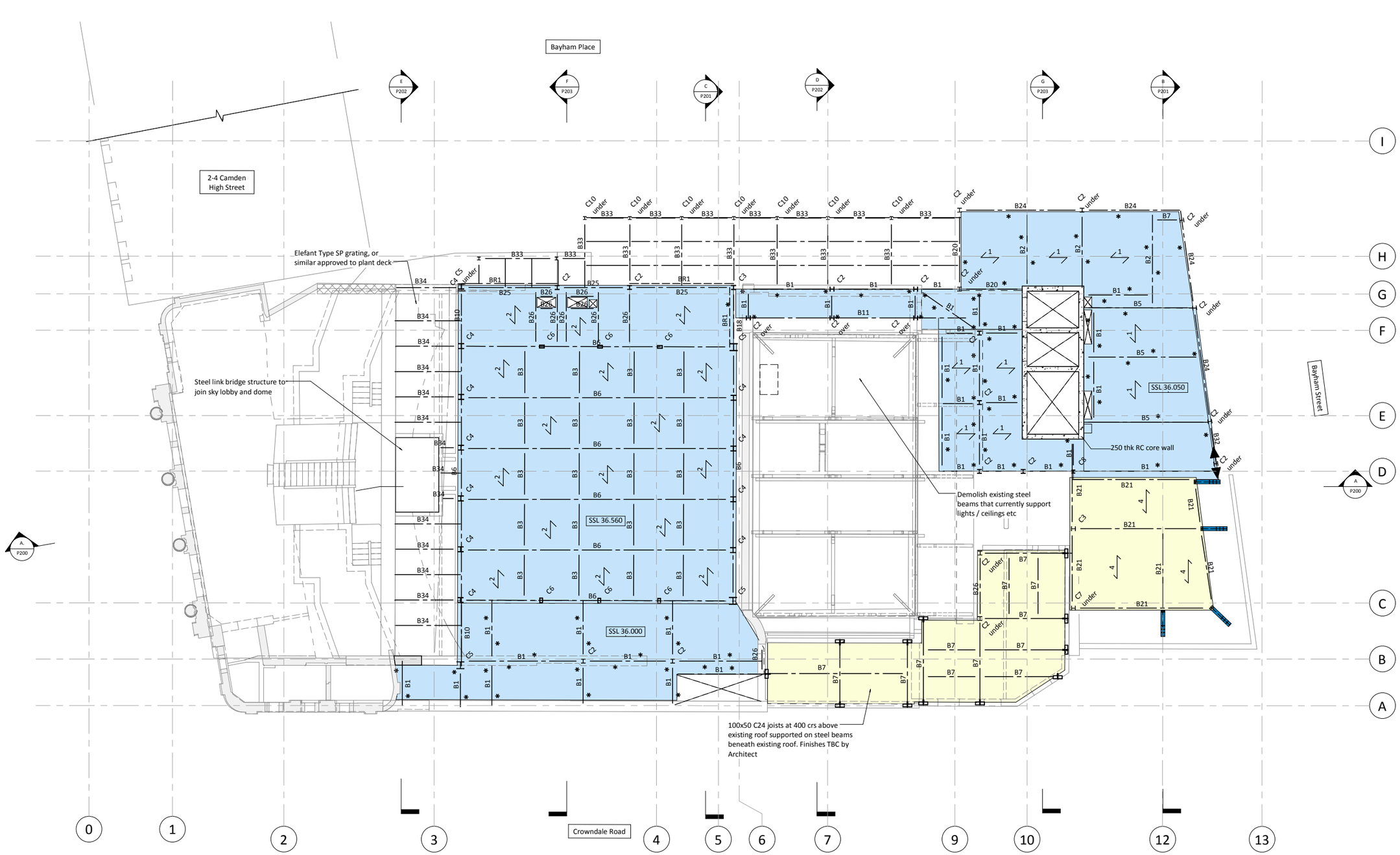
Job Name
The Hope Project

Drawing Title
Proposed Third Floor Plan

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

Drg No **1444 / P130** Rev **P2**



100mm @ A1 (50mm @ A3)

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Column Schedule

C2	203x203x46 UC
C3	203x203x86 UC
C4	254x254x89 UC
C5	356x368x153 UC
C6	250x150x14.2 RHS
C7	203x203x52 UC
C8	152x152x30 UC
C9	cranlked column
C10	152x152x23 UC

Truss T1 formed with B24 to members with 30mm dia Macalloy ties

Beam Schedule

B1	203x203x46 UC + 200x100x10 UA
B2	203x203x60 UC + 150x90x10 UA
B3	406x178x67 UB
B4	203x203x86 UC + 150x90x10 UA
B5	254x254x89 UC + 200x100x10 UA
B6	610x305x238 UB
B7	203x203x46 UC
B8	203x203x86 UC
B9	254x254x107 UC + 200x100x10 UA
B10	305x305x97 UC
B11	533x210x92 UB
B12	150x150x10 SHS
B13	305 UC137 + 200x100x10 UA
B14	305x305x137 UC + 200x100x10 UA
B15	250x150x14.2 RHS
B16	200x90x30 PFC
B17	457x191 UB89 + 150x90x10 UA
B18	533x210 UB92 + 150x90x10 UA
B19	533x210 UB109 + 150x90x10 UA
B20	200x150x10.0 RHS
B21	203x203x52 UC
B22	406x178x60 UB
B23	356x171 UB45
B24	300x100x12.0 RHS
B25	305x102x28 UB
B26	254x102x25 UB
B27	254x102 UB25
B28	203x102 UB23
B29	305 UC118 + 200x100x10 UA
B30	356x171 UB51 + 150x900x10 UA
B31	305x102 UB28 + 150x900x10 UA
B32	400x150x12.0 RHS
B33	152x152x23 UC
B34	203x102x23 UB
B35	254x254x89 UC
BR1	150 x 10 MS plate cross-brace
BR2	45mm macalloy bar
BR3	30mm macalloy bar
EA1	100x100x10 EA fixed to perimeter
PG01	550 dp x 350 wd plate girder

Floor Legend

RC Slab	1	130 thk profiled LWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
Profiled metal deck	2	200 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
Timber floor	4	200 d x 50 w C24 joists at 400 crs with 18 thk plywood screwed to top face
	5	200 thk RC slab
	6	300 thk RC slab
	7	250 thk RC slab
	8	700 thk WRC slab

∗ Indicates angle welded to web of beam. Size indicated in table above

Detail Key

- Proposed RC structure
- Proposed Steel Framing
- PSx — PS1 - 450lg x 150wd x 150dp MC padstone
- ST — Connection Strengthening
- M / M — Moment connection
- B1 [25mm] — Pre-camber
- C — Crank
- S — Splice
- TB — Thermal Break
- BR — Break in beam

HEYNE TILLETT STEEL STRUCTURAL ENGINEERS
hts.uk.com

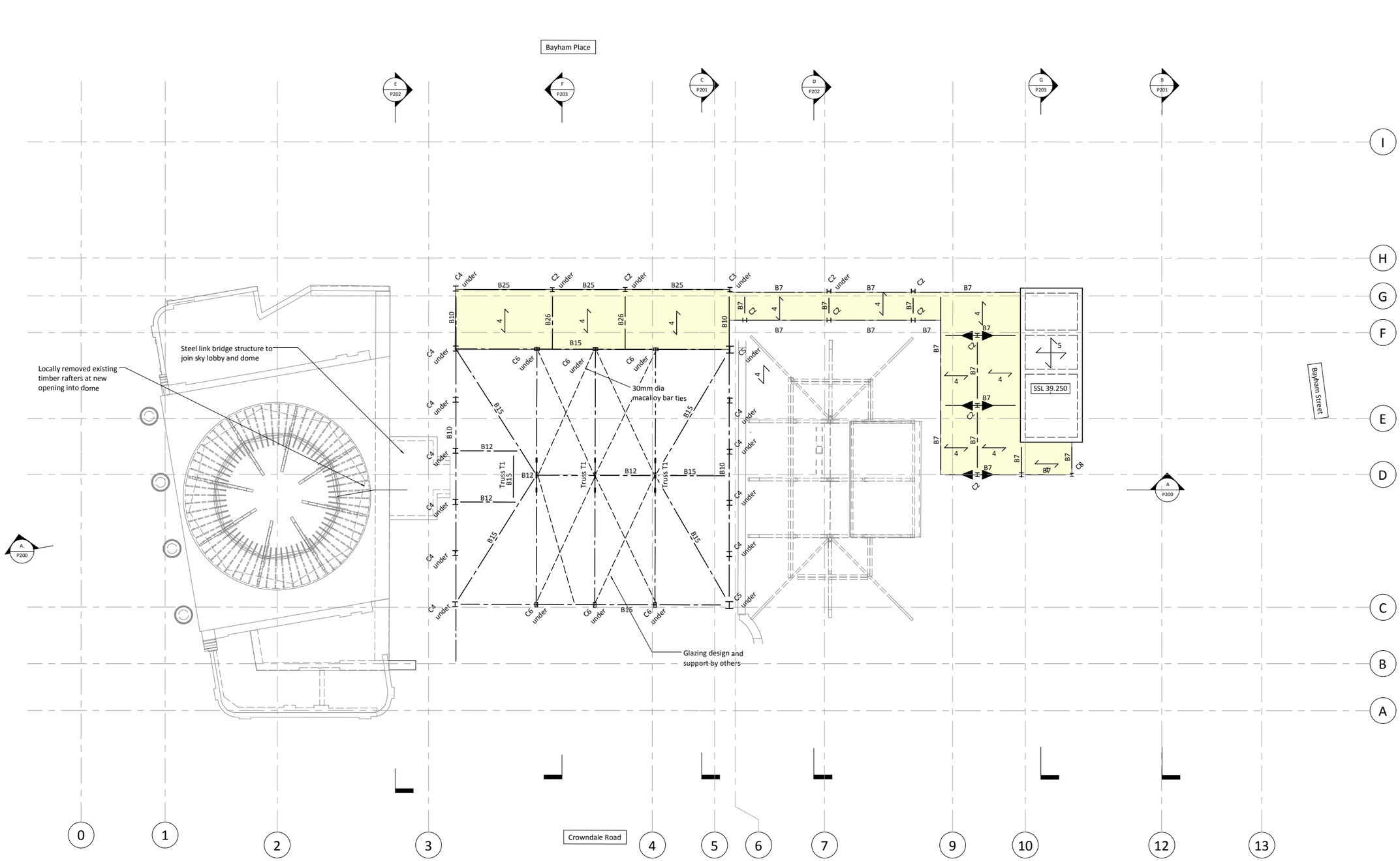
Job Name
The Hope Project

Drawing Title
Proposed Fourth Floor Plan

Rev	Date	By	Eng	Amendments
P2	27.10.17	JH	AC	PLANNING
P1	01.09.17	SLS	AC	Preliminary Issue

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

Drg No **1444 / P140** Rev **P2**



100mm @ A1 (50mm @ A3)

1 This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.

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Column Schedule

C2	203x203x46 UC
C3	203x203x86 UC
C4	254x254x89 UC
C5	356x368x153 UC
C6	250x150x14.2 RHS
C7	203x203x52 UC
C8	152x152x30 UC
C9	cranlked column
C10	152x152x23 UC

Truss T1 formed with B24 to members with 30mm dia Macalloy ties

Beam Schedule

B1	203x203x46 UC + 200x100x10 UA
B2	203x203x60 UC + 150x90x10 UA
B3	406x178x67 UB
B4	203x203x86 UC + 150x90x10 UA
B5	254x254x89 UC + 200x100x10 UA
B6	610x305x238 UB
B7	203x203x46 UC
B8	203x203x86 UC
B9	254x254x107 UC + 200x100x10 UA
B10	305x305x97 UC
B11	533x210x92 UB
B12	150x150x10 SHS
B13	305 UC137 + 200x100x10 UA
B14	305x305x137 UC + 200x100x10 UA
B15	250x150x14.2 RHS
B16	200x90x30 PFC
B17	457x191 UB89 + 150x90x10 UA
B18	533x210 UB92 + 150x90x10 UA
B19	533x210 UB109 + 150x90x10 UA
B20	200x150x10.0 RHS
B21	203x203x52 UC
B22	406x178x60 UB
B23	356x171 UB45
B24	300x100x12.0 RHS
B25	305x102x28 UB
B26	254x102x25 UB
B27	254x102 UB25
B28	203x102 UB23
B29	305 UC118 + 200x100x10 UA
B30	356x171 UB51 + 150x900x10 UA
B31	305x102 UB28 + 150x900x10 UA
B32	400x150x12.0 RHS
B33	152x152x23 UC
B34	203x102x23 UB
B35	254x254x89 UC
BR1	150 x 10 MS plate cross-brace
BR2	45mm macalloy bar
BR3	30mm macalloy bar
EA1	100x100x10 EA fixed to perimeter
PG01	550 dp x 350 wd plate girder

* Indicates angle welded to web of beam. Size indicated in table above

Floor Legend

RC Slab	1	130 thk profiled LWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
Profiled metal deck	2	200 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
Timber floor	4	200 d x 50 w C24 joists at 400 crs with 18 thk plywood screwed to top face
	5	200 thk RC slab
	6	300 thk RC slab
	7	250 thk RC slab
	8	700 thk WRC slab

Detail Key

- Proposed RC structure
- Proposed Steel Framing
- PSx — PS1 - 450lg x 150wd x 150dp MC padstone
- ST — Connection Strengthening
- M M — Moment connection
- B1 [25mm] — Pre-camber
- C — Crank
- S — Splice
- TB — Thermal Break
- BR — Break in beam

Rev	Date	By	Eng	Amendments
P2	27.10.17	JH	AC	PLANNING
P1	01.09.17	SLS	AC	Preliminary Issue

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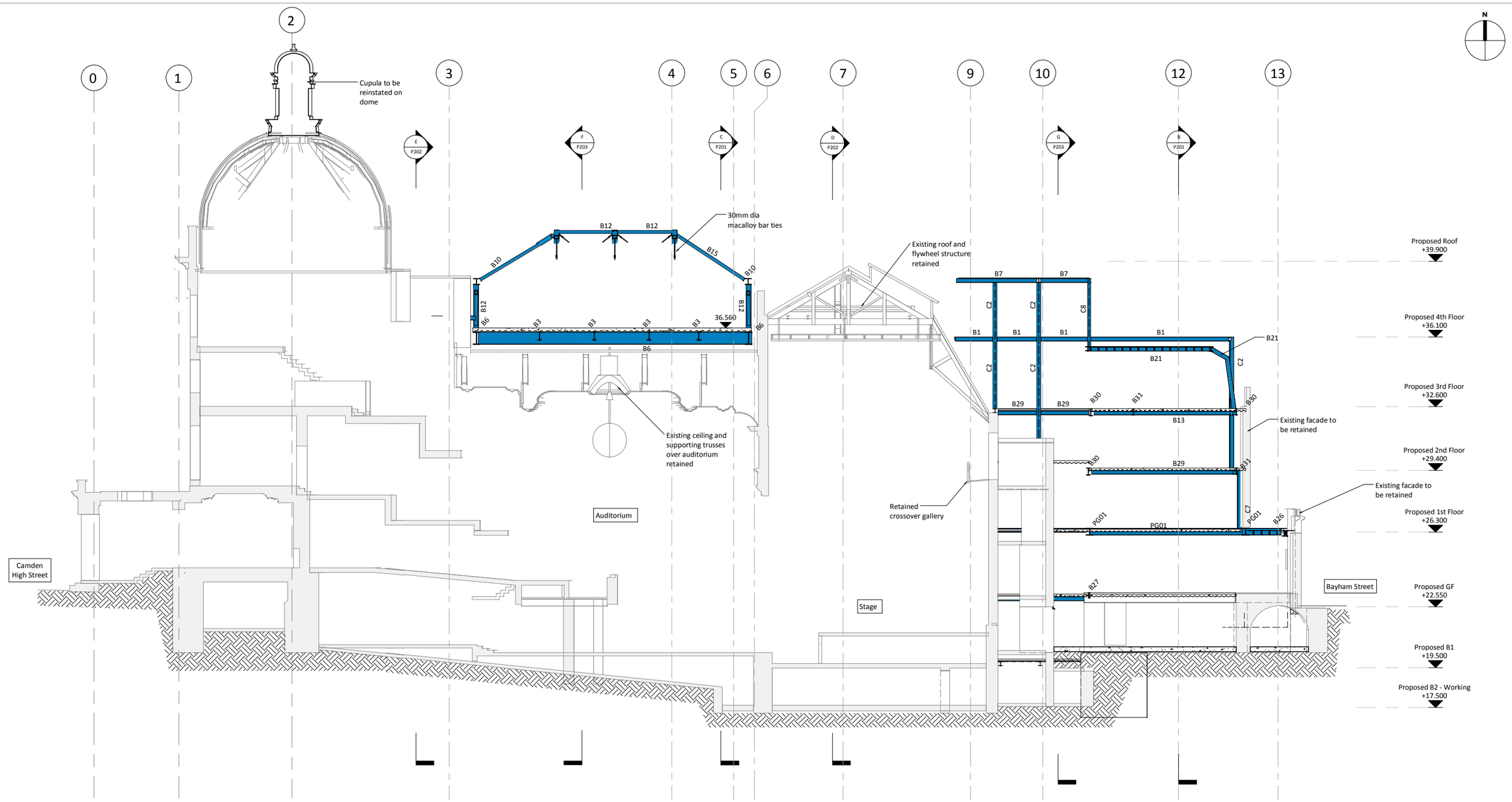
Job Name
The Hope Project

Drawing Title
Proposed Roof Plan

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

Drg No **1444 / P150** Rev **P2**



Section A-A

1 : 100

100mm @ A1 (50mm @ A3)

1 This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.

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Column Schedule

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C7	203x203x52 UC
C8	152x152x30 UC
C9	cranlked column
C10	152x152x23 UC

Truss T1 formed with B24 to members with 30mm dia Macalloy ties

Beam Schedule

B1	203x203x46 UC + 200x100x10 UA
B2	203x203x60 UC + 150x90x10 UA
B3	406x178x67 UB
B4	203x203x86 UC + 150x90x10 UA
B5	254x254x89 UC + 200x100x10 UA
B6	610x305x238 UB
B7	203x203x46 UC
B8	203x203x86 UC
B9	254x254x107 UC + 200x100x10 UA
B10	305x305x97 UC
B11	533x210x92 UB
B12	150x150x10 SHS
B13	305 UC137 + 200x100x10 UA
B14	305x305x137 UC + 200x100x10 UA
B15	250x150x14.2 RHS
B16	200x90x30 PFC
B17	457x191 UB89 + 150x90x10 UA
B18	533x210 UB92 + 150x90x10 UA
B19	533x210 UB109 + 150x90x10 UA
B20	200x150x10.0 RHS
B21	203x203x52 UC
B22	406x178x60 UB
B23	356x171 UB45
B24	300x100x12.0 RHS
B25	305x102x28 UB
B26	254x102x25 UB
B27	254x102 UB25
B28	203x102 UB23
B29	305 UC118 + 200x100x10 UA
B30	356x171 UB51 + 150x900x10 UA
B31	305x102 UB28 + 150x900x10 UA
B32	400x150x12.0 RHS
B33	152x152x23 UC
B34	203x102x23 UB
B35	254x254x89 UC
BR1	150 x 10 MS plate cross-brace
BR2	45mm macalloy bar
BR3	30mm macalloy bar
EA1	100x100x10 EA fixed to perimeter
PG01	550 dp x 350 wd plate girder

Floor Legend

x RC Slab	1	130 thk profiled LWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
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x Timber floor	5	200 thk RC slab
	6	300 thk RC slab
	7	250 thk RC slab
	8	700 thk WRC slab

∗ Indicates angle welded to web of beam. Size indicated in table above

Detail Key

- Proposed RC structure
- Proposed Steel Framing
- PSx — PS1 - 450lg x 150wd x 150dp MC padstone
- ST — Connection Strengthening
- C — Crank
- S — Splice
- M / M — Moment connection
- TB — Thermal Break
- B1 [25mm] — Pre-camber
- BR — Break in beam

Rev	Date	By	Eng	Amendments
P2	27.10.17	JH	AC	PLANNING
P1	01.09.17	SLS	AC	Preliminary Issue

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Job Name
The Hope Project

Drawing Title
Proposed Overall Section A-A

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

Drg No **1444 / P200** Rev **P2**