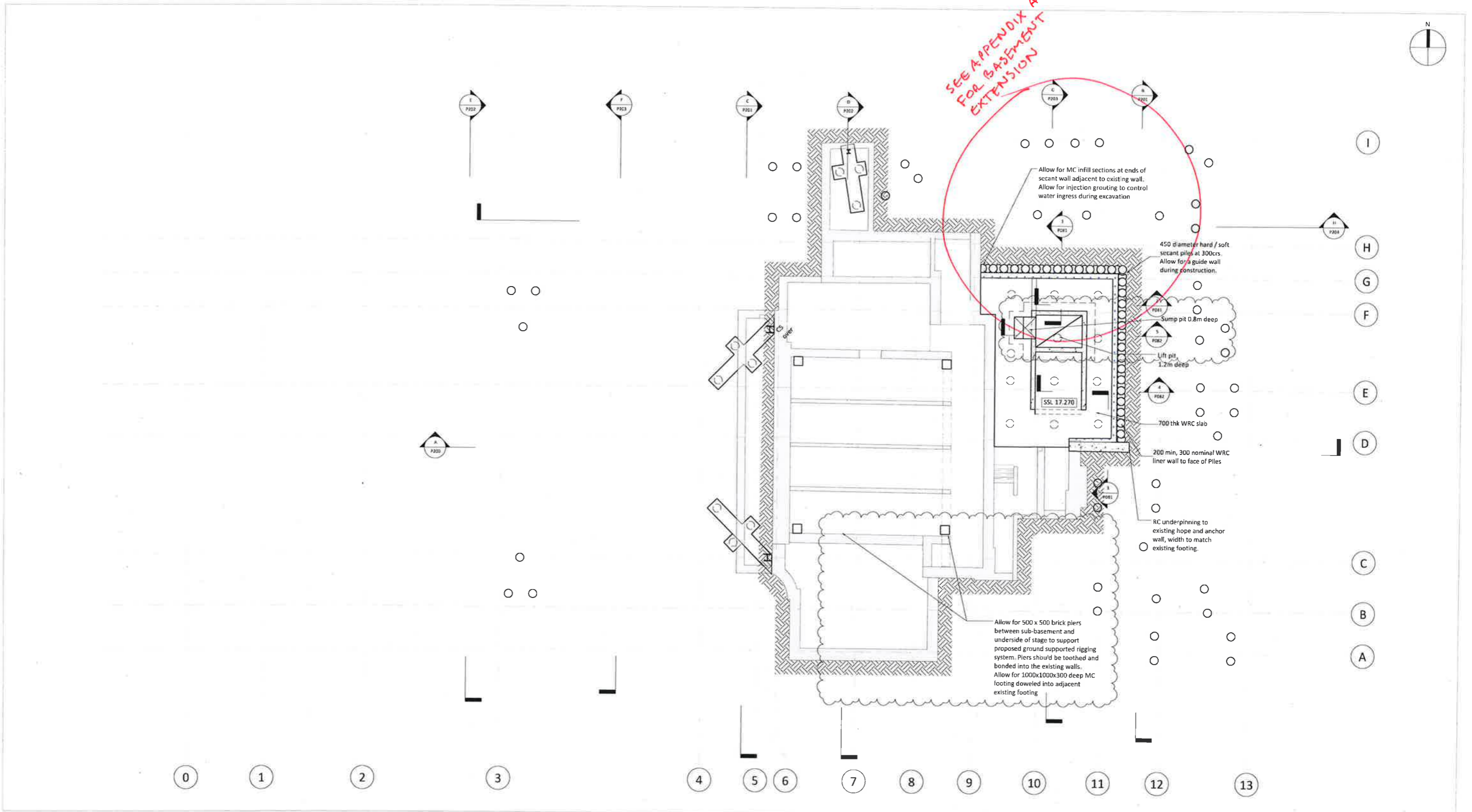


Appendix K

Amendments for planning 15/08/2018



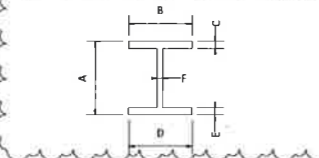
- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm
- Existing foundation information based on limited site investigations. Materials, construction and sizes to be verified during construction.
- Allow for cast in weld plates to connect all beams to RC core walls.

Column Schedule

C2	203x203x46 UC
C3	203x203x86 UC
C4	254x254x89 UC
C5	356x406x235 UC
C6	250x250x142 RHS
C7	152x152x30 UC
C9	203x203x46 UC cranked column

Fabricated beam Schedule

Beam Ref.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg/m)
F801	550	400	60	400	60	20	445.00
F802	480	340	25	340	25	10	168.00



Beam Schedule

B1	203x203x46 UC + 200x100x10 UA
B2	203x203x86 UC + 150x90x10 UA
B4	203x203x86 UC + 150x90x10 UA
B5	254x254x89 UC + 200x100x10 UA
B6	610x305x238 UB
B7	203x203x46 UC
B10	305x305x97 UC + 200x100x10 UA
B12	150x150x10 SHS
B14	305x305x137 UC + 200x100x10 UA
B15	250x150x14.2 RHS
B17	457x191x89 UB + 150x90x10 UA
B18	533x210x92 UB + 150x90x10 UA
B19	533x210x109 UB + 150x90x10 UA
B23	356x171x45 UB
B25	305x102x28 UB
B26	254x102x25 UB
B27	254x102x25 UB + 150x90x10 UA
B30	356x171x51 UB + 150x90x10 UA
B31	305x102x28 UB + 150x90x10 UA
B33	152x152x23 UC
B34	203x102x23 UB
B35	254x254x89 UC
B37	305x165x46 UB
B38	305x305x240 UC
B40	203x203x113 UC
B41	254x254x73 UC
B42	356x368 UC153 + 200x100x10 UA
B43	305x305x97 UC
B44	200x150x12.5 RHS laid flat
B45	150x100x8 RHS laid flat
BR1	100 x 10 MS plate cross-brace
BR3	30mm macalloy bar
EA1	100x100x10 EA fixed to perimeter

Floor Legend

- 1 130 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
- 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
- 3 200 d x 75 w C24 joists at 400 crs with 18 thk plywood screwed to top face
- 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
- 8 150 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
- 9 100 d x 50 w C24 joists at 400 crs with 18 thk plywood screwed to top face

* Indicates angle welded to web of beam. Size indicated in table above
 Bx 19mm dia x 100 long shear studs. 1No per rib

Detail Key

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

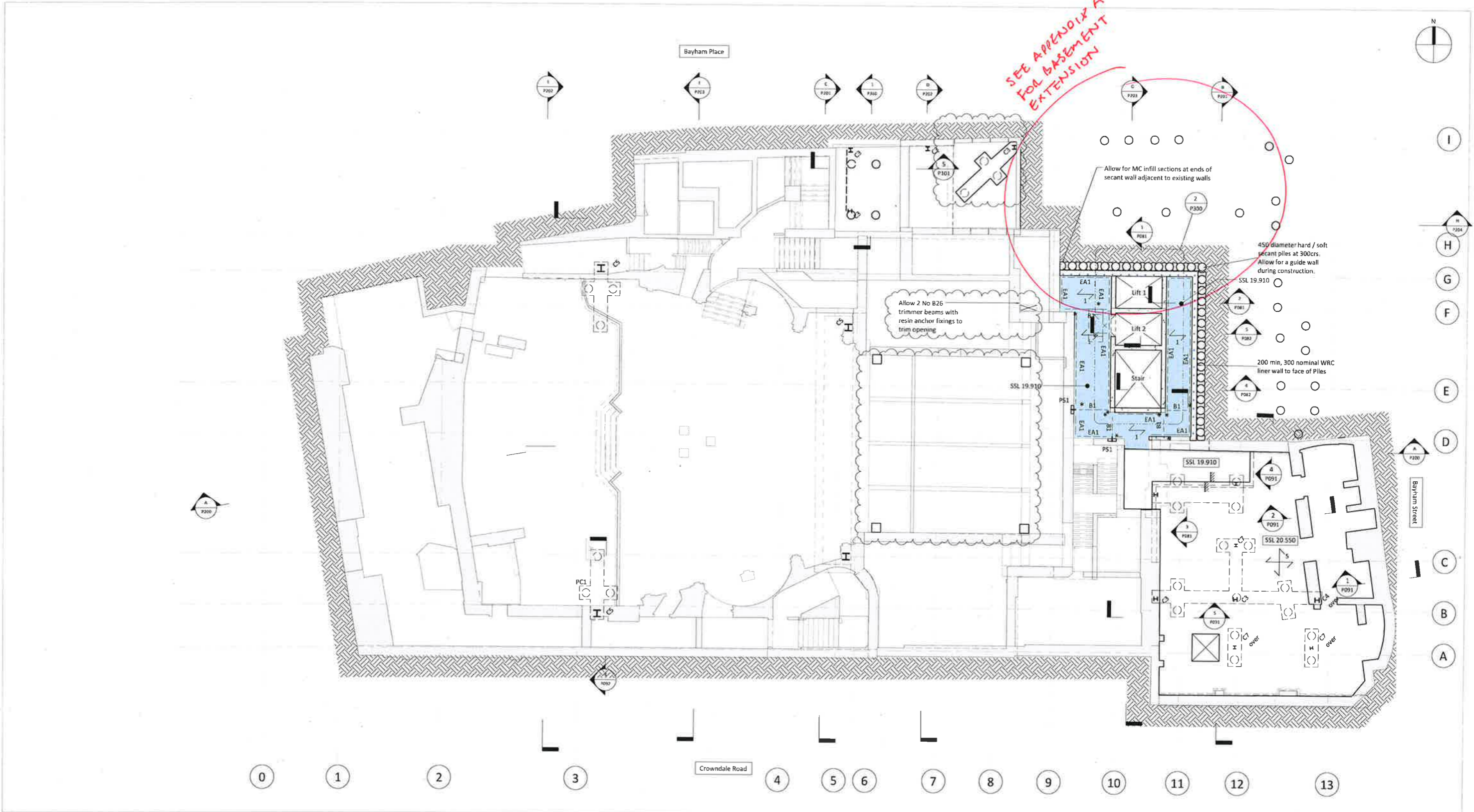
HTS (GA) COMMENTS
 15/08/18

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 hts.uk.com

Job Name: **The Hope Project**
 Drawing Title: **Proposed Sub Basement**

Rev	Date	By	Eng	Amendments
T2	20.03.18	AA	AC	Revised Tender Issue
T1	02.03.18	JH	AC	Tender Issue

Purpose of Issue: **Tender** Scale at A1 1:100
 Drg No: **1444/P080** Rcv: **T2**



SEE APPENDIX A FOR BASEMENT EXTENSION

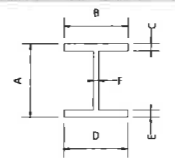
- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm
- Existing foundation information based on limited site investigations. Materials, construction and sizes to be verified during construction.
- Allow for cast in weld plates to connect all beams to RC core walls.

Column Schedule

C2	203x203x46 UC
C3	203x203x86 UC
C4	254x254x89 UC
C5	356x406x235 UC
C6	250x150x14.2 RHS
C7	152x152x30 UC
C9	203x203x46 UC cranked column

Fabricated beam Schedule

Beam Ref.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg/m)
FB01	550	400	60	400	60	20	445.00
FB02	480	340	25	340	25	10	168.00



Beam Schedule

B1	203x203x46 UC + 200x100x10 UA
B2	203x203x60 UC + 150x90x10 UA
B4	203x203x86 UC + 150x90x10 UA
B5	254x254x89 UC + 200x100x10 UA
B6	610x305x238 UB
B7	203x203x46 UC
B10	305x305x97 UC + 200x100x10 UA
B12	150x150x10 SHS
B14	305x305x137 UC + 200x100x10 UA
B15	250x150x14.2 RHS
B17	457x191x89 UB + 150x90x10 UA
B18	533x210x92 UB + 150x90x10 UA
B19	533x210x109 UB + 150x90x10 UA
B23	356x171x45 UB
B25	305x102x28 UB
B26	254x102x25 UB
B27	254x102x25 UB + 150x90x10 UA
B30	356x171x51 UB + 150x90x10 UA
B31	305x102x28 UB + 150x90x10 UA
B33	152x152x23 UC
B34	203x102x23 UB
B35	254x254x89 UB
B37	305x165x46 UB
B38	305x305x240 UC
B40	203x203x113 UC
B41	254x254x73 UC
B42	356x368 UC153 + 200x100x10 UA
B43	305x305x97 UC
B44	200x150x12.5 RHS laid flat
B45	150x100x8 RHS laid flat
BR1	100 x 10 MS plate cross-brace
BR3	30mm msc alloy bar
EA1	100x100x10 EA fixed to perimeter

Floor Legend

- 1 130 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
- 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
- 3 200 d x 75 w C24 joists at 400 crs with 18 thk plywood screwed to top face
- 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
- 8 150 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
- 9 100 d x 50 w C24 joists at 400 crs with 18 thk plywood screwed to top face

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

↳ Indicates 19mm dia x 100 long shear studs. 1No per rib

Detail Key

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

HTS (AG) COMMENTS
15/08/18

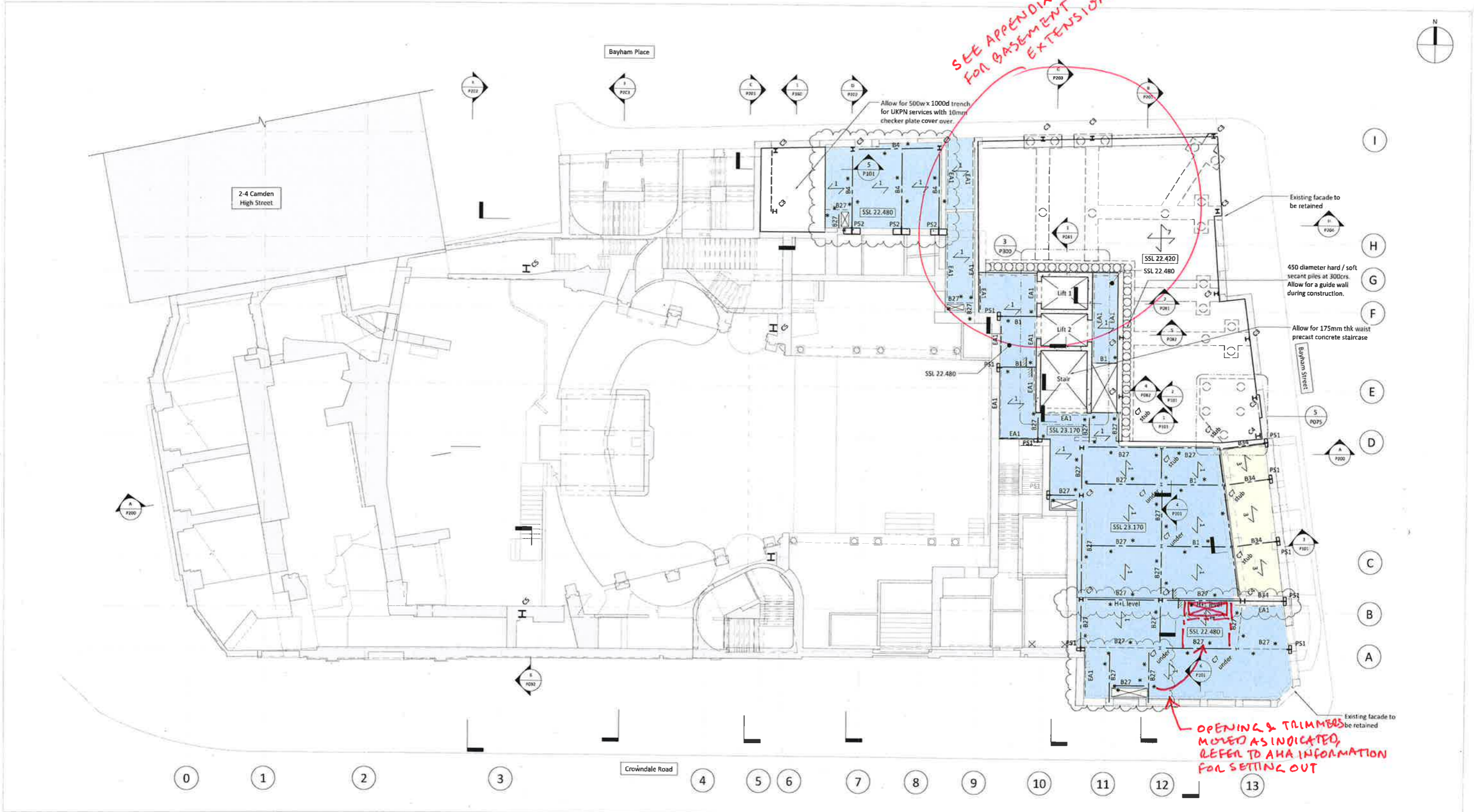
HEVNE TILLET STEEL STRUCTURAL ENGINEERS
hts.uk.com

Job Name
The Hope Project

Drawing Title
Proposed Basement Plan

T2	20.03.18	AA	AC	Revised Tender Issue
T1	02.03.18	JH	AC	Tender Issue
Rev	Date	By	Eng	Amendments

Purpose of Issue **Tender** Scale at A1 1:100
Drg No **1444 / P090** Rev **T2**

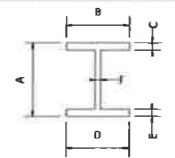


Column Schedule

C2	203x203x46 UC
C3	203x203x86 UC
C4	254x254x89 UC
C5	356x406x235 UC
C6	250x150x14.2 RHS
C7	152x152x30 UC
C9	203x203x46 UC cranked column

Fabricated beam Schedule

Beam Ref.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg/m)
FB01	550	400	60	400	50	20	445.00
FB02	480	340	25	340	25	10	168.00



Beam Schedule

B1	203x203x46 UC + 200x100x10 UA
B2	203x203x60 UC + 150x90x10 UA
B4	203x203x86 UC + 150x90x10 UA
B5	254x254x89 UC + 200x100x10 UA
B6	610x305x238 UB
B7	203x203x46 UC
B10	305x305x97 UC + 200x100x10 UA
B12	150x150x10 SHS
B14	305x305x137 UC + 200x100x10 UA
B15	250x150x14.2 RHS
B17	457x191x89 UB + 150x90x10 UA
B18	533x210x92 UB + 150x90x10 UA
B19	533x210x109 UB + 150x90x10 UA
B23	356x171x45 UB
B25	305x102x28 UB
B26	254x102x25 UB
B27	254x102x25 UB + 150x90x10 UA
B30	356x171x51 UB + 150x90x10 UA
B31	305x102x28 UB + 150x90x10 UA
B33	152x152x23 UC
B34	203x102x23 UB
B35	254x254x89 UC
B37	305x165x46 UB
B38	305x305x240 UC
B40	203x203x113 UC
B41	254x254x73 UC
B42	356x368 UC153 + 200x100x10 UA
B43	305x305x97 UC
B44	200x150x12.5 RHS laid flat
B45	150x100x8 RHS laid flat
BR1	100 x 10 MS plate cross-brace
BR3	30mm macalloy bar
EA1	100x100x10 EA fixed to perimeter

Floor Legend

- 1 130 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
- 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
- 3 200 d x 75 w C24 joists at 400 crs with 18 thk plywood screwed to top face
- 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
- 8 150 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
- 9 100 d x 50 w C24 joists at 400 crs with 18 thk plywood screwed to top face

* Indicates angle welded to web of beam. Size indicated in table above
 Bxφ Indicates 19mm dia x 100 long shear studs. 1No per rib

Detail Key

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

HTS (GL) COMMENTS
 15/08/18

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Job Name
The Hope Project

Drawing Title
Proposed Ground Floor Plan

T2	20.03.18	AA	AC	Revised Tender Issue
T1	02.03.18	JH	AC	Tender Issue
Rev	Date	By	Eng	Amendments

Purpose of Issue **Tender** Scale at A1 1:100
 Drg No **1444 / P100** Rev **T2**



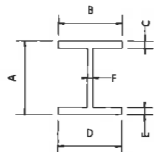
- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm
- Existing foundation information based on limited site investigations. Materials, construction and sizes to be verified during construction.
- Allow for cast in weld plates to connect all beams to RC core walls.

Column Schedule

C2	203x203x46 UC
C3	203x203x86 UC
C4	254x254x89 UC
C5	356x406x235 UC
C6	250x150x14.2 RHS
C7	152x152x30 UC
C9	203x203x46 UC cranked column

Fabricated beam Schedule

Beam Ref.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg/m)
FB01	550	400	60	400	60	20	445.00
FB02	480	340	25	340	25	10	168.00



Beam Schedule

B1	203x203x46 UC + 200x100x10 UA
B2	203x203x60 UC + 150x90x10 UA
B4	203x203x86 UC + 150x90x10 UA
B5	254x254x89 UC + 200x100x10 UA
B6	610x305x238 UB
B7	203x203x46 UC
B10	305x305x97 UC + 200x100x10 UA
B12	150x150x10 SHS
B14	305x305x137 UC + 200x100x10 UA
B15	250x150x14.2 RHS
B17	457x191x89 UB + 150x90x10 UA
B18	533x210x92 UB + 150x90x10 UA
B19	533x210x109 UB + 150x90x10 UA
B23	356x171x45 UB
B25	305x102x28 UB
B26	254x102x25 UB
B27	254x102x25 UB + 150x90x10 UA
B30	356x171x51 UB + 150x90x10 UA
B31	305x102x28 UB + 150x90x10 UA
B33	152x152x23 UC
B34	203x102x23 UB
B35	254x254x89 UC
B37	305x165x46 UB
B38	305x305x240 UC
B40	203x203x113 UC
B41	254x254x73 UC
B42	356x368 UC153 + 200x100x10 UA
B43	305x305x97 UC
B44	200x150x12.5 RHS laid flat
B45	150x100x8 RHS laid flat
BR1	100 x 10 MS plate cross-brace
BR3	30mm macalloy bar
EA1	100x100x10 EA fixed to perimeter

Floor Legend

- 1 130 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
- 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
- 3 200 d x 75 w C24 joists at 400 crs with 18 thk plywood screwed to top face
- 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
- 8 150 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
- 9 100 d x 50 w C24 joists at 400 crs with 18 thk plywood screwed to top face

* Indicates angle welded to web of beam. Size indicated in table above
 Indicates 19mm dia x 100 long shear studs. 1No per rlb

Detail Key

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

HTS (CC) COMMENTS
 15/08/18

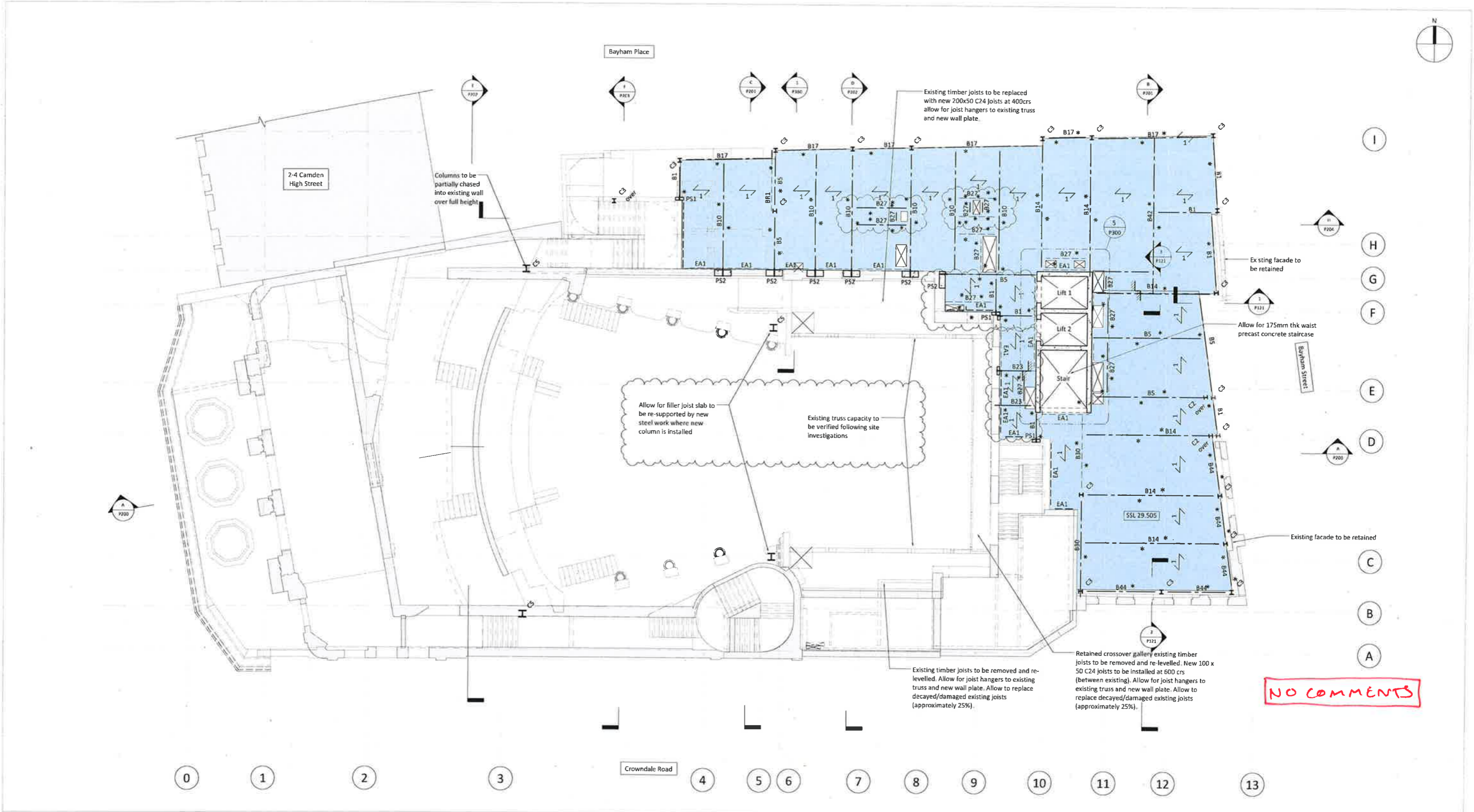
HEYNE TILLET STEEL STRUCTURAL ENGINEERS
 hts.uk.com

Job Name
The Hope Project

Drawing Title
Proposed First Floor Plan

T2	20.03.18	AA	AC	Revised Tender Issue
T1	02.03.18	JH	AC	Tender Issue
Rev	Date	By	Eng	Amendments

Purpose of Issue **Tender** Scale at A1 1 : 100
 Drg No **1444/P110** Rev **T2**

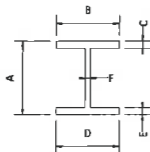


Column Schedule

C2	203x203x46 UC
C3	203x203x86 UC
C4	254x254x89 UC
C5	356x406x235 UC
C6	250x150x14.2 RHS
C7	152x152x30 UC
C9	203x203x46 UC cranked column

Fabricated beam Schedule

Beam Ref.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg/m)
F801	550	400	60	400	60	70	445.00
F802	480	340	25	340	25	10	168.00



Beam Schedule

B1	203x203x46 UC + 200x100x10 UA
B2	203x203x60 UC + 150x90x10 UA
B4	203x203x86 UC + 150x90x10 UA
B5	254x254x89 UC + 200x100x10 UA
B6	610x305x238 UB
B7	203x203x46 UC
B10	305x305x97 UC + 200x100x10 UA
B12	150x150x10 SHS
B14	305x305x137 UC + 200x100x10 UA
B15	250x150x14.2 RHS
B17	457x191x89 UB + 150x90x10 UA
B18	533x210x92 UB + 150x90x10 UA
B19	533x210x109 UB + 150x90x10 UA
B23	356x171x45 UB
B25	305x102x28 UB
B26	254x102x25 UB
B27	254x102x25 UB + 150x90x10 UA
B30	356x171x51 UB + 150x90x10 UA
B31	305x102x28 UB + 150x90x10 UA
B33	152x152x23 UC
B34	203x102x23 UB
B35	254x254x89 UC
B37	305x165x46 UB
B38	305x305x240 UC
B40	203x203x113 UC
B41	254x254x73 UC
B42	356x368 UC153 + 200x100x10 UA
B43	305x305x97 UC
B44	200x150x12.5 RHS laid flat
B45	150x100x8 RHS laid flat
BR1	100 x 10 MS plate cross-brace
BR3	30mm macalloy bar
EA1	100x100x10 EA fixed to perimeter

Floor Legend

1	130 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
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
3	200 d x 75 w C24 joists at 400 crs with 18 thk plywood screwed to top face
4	700 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	150 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
9	100 d x 50 w C24 joists at 400 crs with 18 thk plywood screwed to top face

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

⊕ Indicates 19mm dia x 100 long shear studs. 1No per rlb

Detail Key

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

HTS (CG) COMMENTS
15/08/18

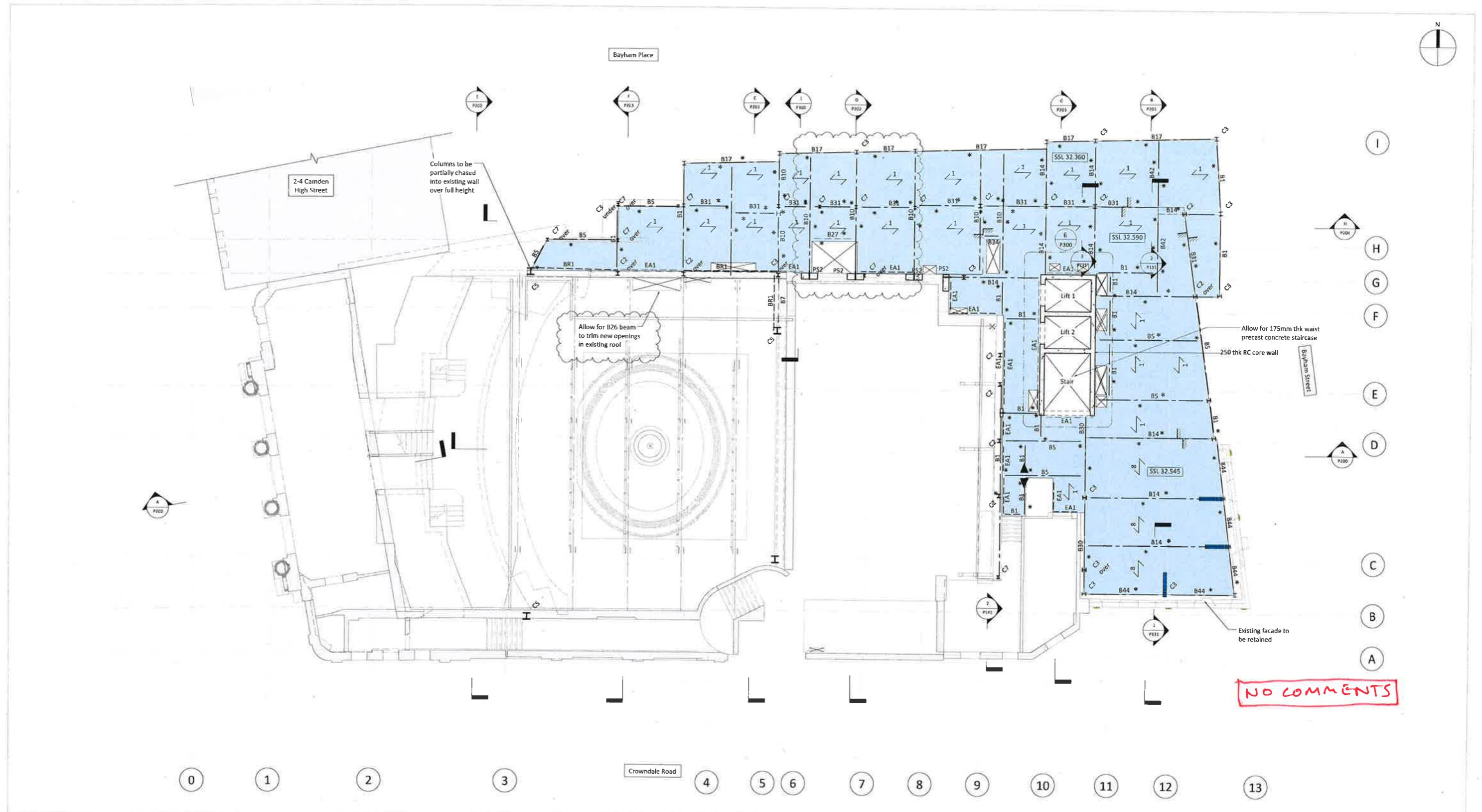
HEYNE TILLET STEEL STRUCTURAL ENGINEERS
hts.uk.com

Job Name: **The Hope Project**

Drawing Title: **Proposed Second Floor Plan**

T2	20.03.18	AA	AC	Revised Tender Issue
T1	02.03.18	JH	AC	Tender Issue
Rev	Date	By	Eng	Amendments

Purpose of Issue: **Tender** Scale at A1 1:100
Drg No: **1444/P120** Rev: **T2**



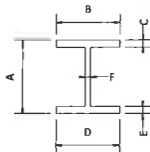
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- Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm
- Existing foundation information based on limited site investigations. Materials, construction and sizes to be verified during construction.
- Allow for cast in weld plates to connect all beams to RC core walls.

Column Schedule

C2	203x203x46 UC
C3	203x203x86 UC
C4	254x254x89 UC
C5	356x406x235 UC
C6	250x150x14.2 RHS
C7	152x152x30 UC
C9	203x203x46 UC cranked column

Fabricated beam Schedule

Beam Ref:	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg/m)
FB01	550	400	60	400	60	70	445.00
FB02	480	340	25	340	125	10	168.00



Beam Schedule

B1	203x203x46 UC + 200x100x10 UA	B33	152x152x23 UC
B2	203x203x60 UC + 150x90x10 UA	B34	203x102x23 UB
B4	203x203x86 UC + 150x90x10 UA	B35	254x254x89 UC
B5	254x254x89 UC + 200x100x10 UA	B37	305x165x46 UB
B6	610x305x238 UB	B38	305x305x240 UB
B7	203x203x46 UC	B40	203x203x113 UC
B10	305x305x97 UC + 200x100x10 UA	B41	254x254x73 UC
B12	150x150x10 SHS	B42	356x368 UC153 + 200x100x10 UA
B14	305x305x137 UC + 200x100x10 UA	B43	305x305x97 UC
B15	250x150x14.2 RHS	B44	200x150x12.5 RHS laid flat
B17	457x191x89 UB + 150x90x10 UA	BR1	100 x 10 MS plate cross-brace
B18	533x210x92 UB + 150x90x10 UA	EA1	100x100x10 EA fixed to perimeter
B19	533x210x109 UB + 150x90x10 UA		
B23	356x171x45 UB		
B25	305x102x28 UB		
B26	254x102x25 UB		
B27	254x102x25 UB + 150x90x10 UA		
B30	356x171x51 UB + 150x90x10 UA		
B31	305x102x28 UB + 150x90x10 UA		

Floor Legend

- RC Slab
- 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
- 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
- 200 d x 75 w C24 joists at 400 crs with 18 thk plywood screwed to top face
- 200 d x 50 w C24 joists at 400 crs with 18 thk plywood screwed to top face
- 200 thk RC slab
- 300 thk RC slab
- 250 thk RC slab
- 150 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
- 100 d x 50 w C24 joists at 400 crs with 18 thk plywood screwed to top face

* Indicates angle welded to web of beam. Size indicated in table above
 BxØ Indicates 19mm dia x 100 long shear studs. 1No per rib

Detail Key

- Proposed RC structure
- Proposed WRC structure
- Proposed Steel Framing
- PSx PS1 - 450lg x 150wd x 150dp MC padstone
- Connection Strengthening
- Moment connection
- Pre-camber
- C Crank
- S Splice
- TB Thermal Break
- BR Break in beam

HTS (CG) COMMENTS
 15/08/18

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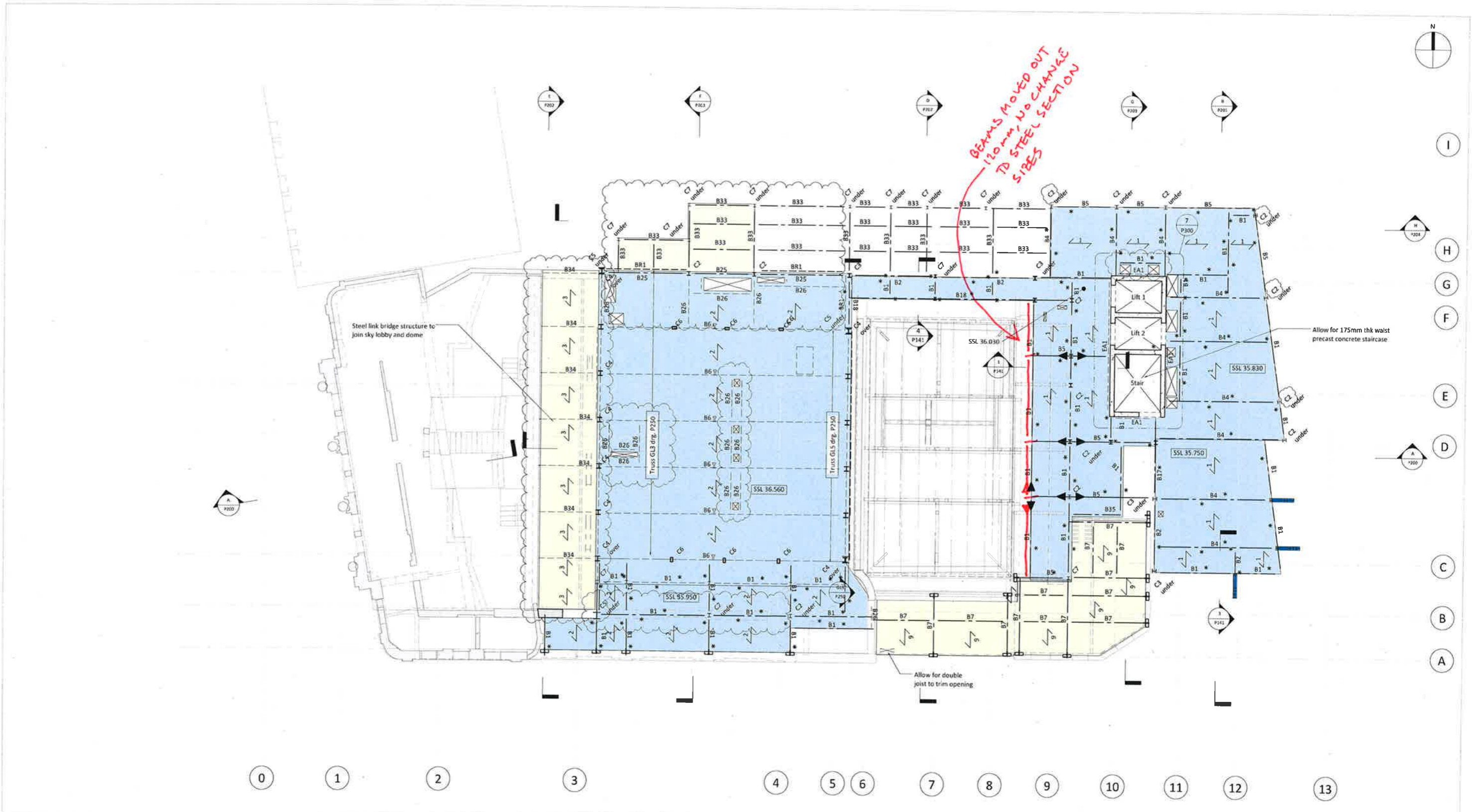
Job Name
The Hope Project

Drawing Title
Proposed Third Floor Plan

T2	20.03.18	AA	AC	Revised Tender Issue
T1	02.03.18	JH	AC	Tender Issue
Rev	Date	By	Eng	Amendments

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

Drg No **1444/P130** Rev **T2**



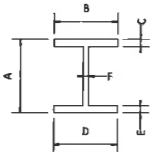
- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm.
- Existing foundation information based on limited site investigations. Materials, construction and sizes to be verified during construction.
- Allow for cast in weld plates to connect all beams to RC core walls.

Column Schedule

C2	203x203x46 UC
C3	203x203x86 UC
C4	254x254x89 UC
C5	356x406x235 UC
C6	250x150x14.2 RHS
C7	152x152x30 UC
C9	203x203x46 UC cranked column

Fabricated beam Schedule

Beam Ref.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg/m)
F801	550	400	60	400	60	20	445.00
F802	480	340	25	340	25	10	168.00



Beam Schedule

B1	203x203x46 UC + 200x100x10 UA
B2	203x203x60 UC + 150x90x10 UA
B4	203x203x86 UC + 150x90x10 UA
B5	254x254x89 UC + 200x100x10 UA
B6	610x305x238 UB
B7	203x203x46 UC
B10	305x305x97 UC + 200x100x10 UA
B12	150x150x10 SHS
B14	305x305x137 UC + 200x100x10 UA
B15	250x150x14.2 RHS
B17	457x191x89 UB + 150x90x10 UA
B18	533x210x92 UB + 150x90x10 UA
B19	533x210x109 UB + 150x90x10 UA
B23	356x171x45 UB
B25	305x102x28 UB
B26	254x102x25 UB
B27	254x102x25 UB + 150x90x10 UA
B30	356x171x51 UB + 150x90x10 UA
B31	305x102x28 UB + 150x90x10 UA
B33	152x152x23 UC
B34	203x102x23 UB
B35	254x254x89 UC
B37	305x165x46 UB
B38	305x305x240 UC
B40	203x203x113 UC
B41	254x254x73 UC
B42	356x368 UC153 + 200x100x10 UA
B43	305x305x97 UC
B44	200x150x12.5 RHS laid flat
B45	150x100x8 RHS laid flat
BR1	100 x 10 MS plate cross-brace
BR3	30mm macalloy bar
EA1	100x100x10 EA fixed to perimeter

Floor Legend

- 1 130 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
- 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
- 3 200 d x 75 w C24 joists at 400 crs with 18 thk plywood screwed to top face
- 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
- 8 150 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
- 9 100 d x 50 w C24 joists at 400 crs with 18 thk plywood screwed to top face

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

Indicates 19mm dia x 100 long shear studs. 1No per rib

Detail Key

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

HTS (CC) COMMENTS
15/08/18

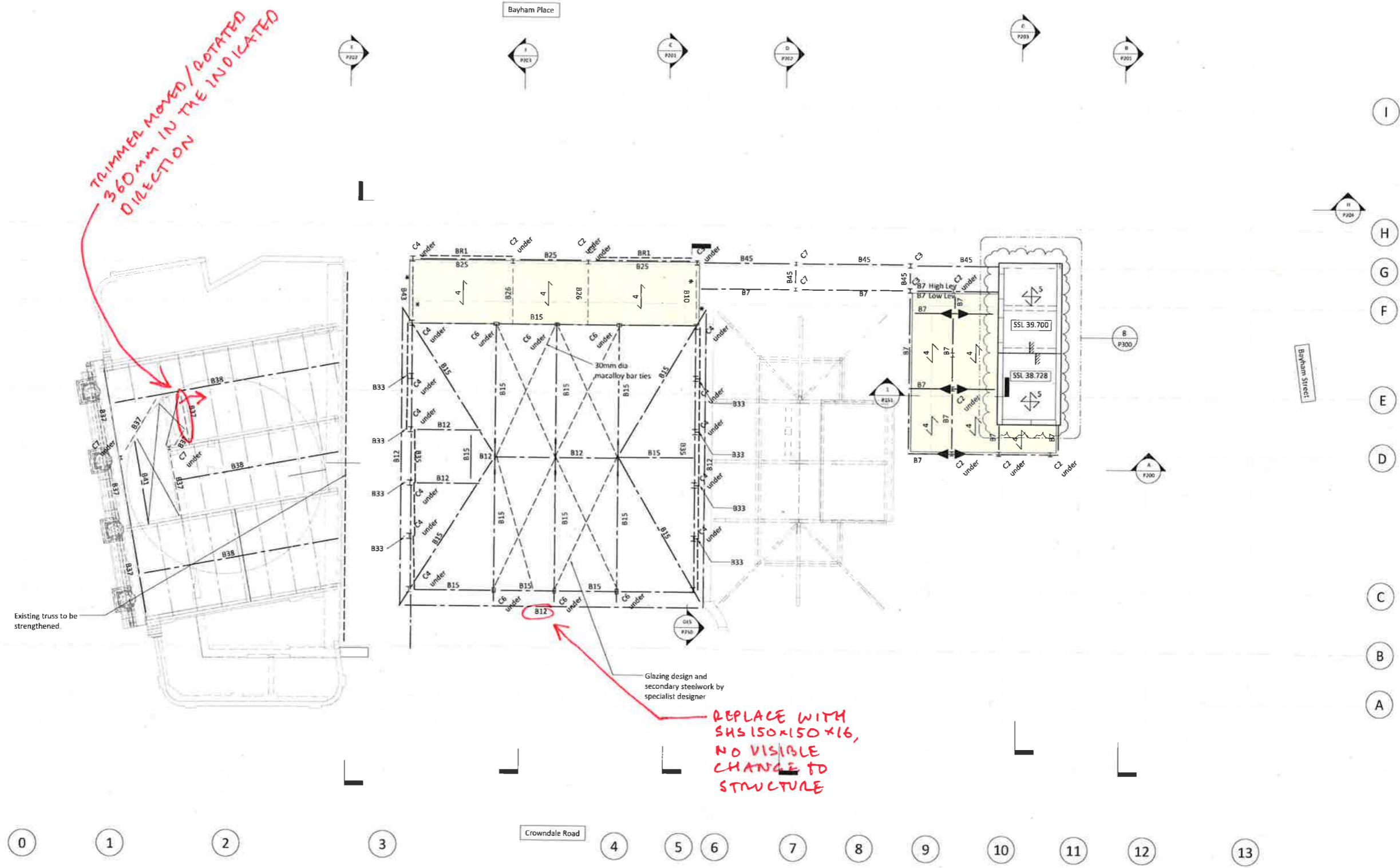
Job Name
The Hope Project

Drawing Title
Proposed Fourth Floor Plan

T2	20.03.18	AA	AC	Revised Tender Issue
T1	02.03.18	JH	AC	Tender Issue
Rev	Date	By	Eng	Amendments



TRIMMER MOVED/ROTATED
360 MM IN THE INDICATED
DIRECTION



Column Schedule

C2	203x203x46 UC
C3	203x203x86 UC
C4	254x254x89 UC
C5	356x406x235 UC
C6	250x150x14.2 RHS
C7	152x152x30 UC
C9	203x203x46 UC cranked column

Fabricated beam Schedule

Beam Ref.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg/m)
FB01	550	400	60	400	60	20	445.00
FB02	480	340	25	340	25	10	168.00

Beam Schedule

B1	203x203x46 UC + 200x100x10 UA
B2	203x203x60 UC + 150x90x10 UA
B4	203x203x86 UC + 150x90x10 UA
B5	254x254x89 UC + 200x100x10 UA
B6	610x305x238 UB
B7	203x203x46 UC
B10	305x305x97 UC + 200x100x10 UA
B12	150x150x10 SHS
B14	305x305x137 UC + 200x100x10 UA
B15	250x150x14.2 RHS
B17	457x191x89 UB + 150x90x10 UA
B18	533x210x92 UB + 150x90x10 UA
B19	533x210x109 UB + 150x90x10 UA
B23	356x171x45 UB
B25	305x102x28 UB
B26	254x102x25 UB
B27	254x102x25 UB + 150x90x10 UA
B30	356x171x51 UB + 150x90x10 UA
B31	305x102x28 UB + 150x90x10 UA
B33	152x152x23 UC
B34	203x102x23 UB
B35	254x254x89 UC
B37	305x165x46 UB
B38	305x305x240 UC
B40	203x203x113 UC
B41	254x254x73 UC
B42	356x368 UC153 + 200x100x10 UA
B43	305x305x97 UC
B44	200x150x12.5 RHS laid flat
B45	150x100x8 RHS laid flat
BR1	100 x 10 MS plate cross-brace
BR3	30mm macalloy bar
EA1	100x100x10 EA fixed to perimeter

Floor Legend

RC Slab	1	130 thk profiled NWC 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	3	200 d x 75 w C24 joists at 400 crs with 18 thk plywood screwed to top face
	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	150 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H16 bar per trough
	9	100 d x 50 w C24 joists at 400 crs with 18 thk plywood screwed to top face

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

⊠ Indicates 19mm dia x 100 long shear studs. 1No per rib

Detail Key

	Proposed RC structure
	Proposed WRC structure
	Proposed Steel Framing
	PS1 - 450lg x 150wd x 150dp MC padstone
	Connection Strengthening
	Moment connection
	B1 (25mm) Pre-camber
	C Crank
	S Splice
	TB Thermal Break
	BR Break in beam

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- Existing foundation information based on limited site investigations. Materials, construction and sizes to be verified during construction.
- Allow for cast in weld plates to connect all beams to RC core walls.

HTS (CAG) COMMENTS
15/08/18

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Job Name
The Hope Project
Drawing Title
Proposed Roof Plan

T2	20.03.18	AA	AC	Revised Tender Issue
T1	02.03.18	JH	AC	Tender Issue
Rev	Date	By	Eng	Amendments

Purpose of Issue **Tender** Scale at A1 1 : 100
Drg No **1444 / P150** Rev **T2**

