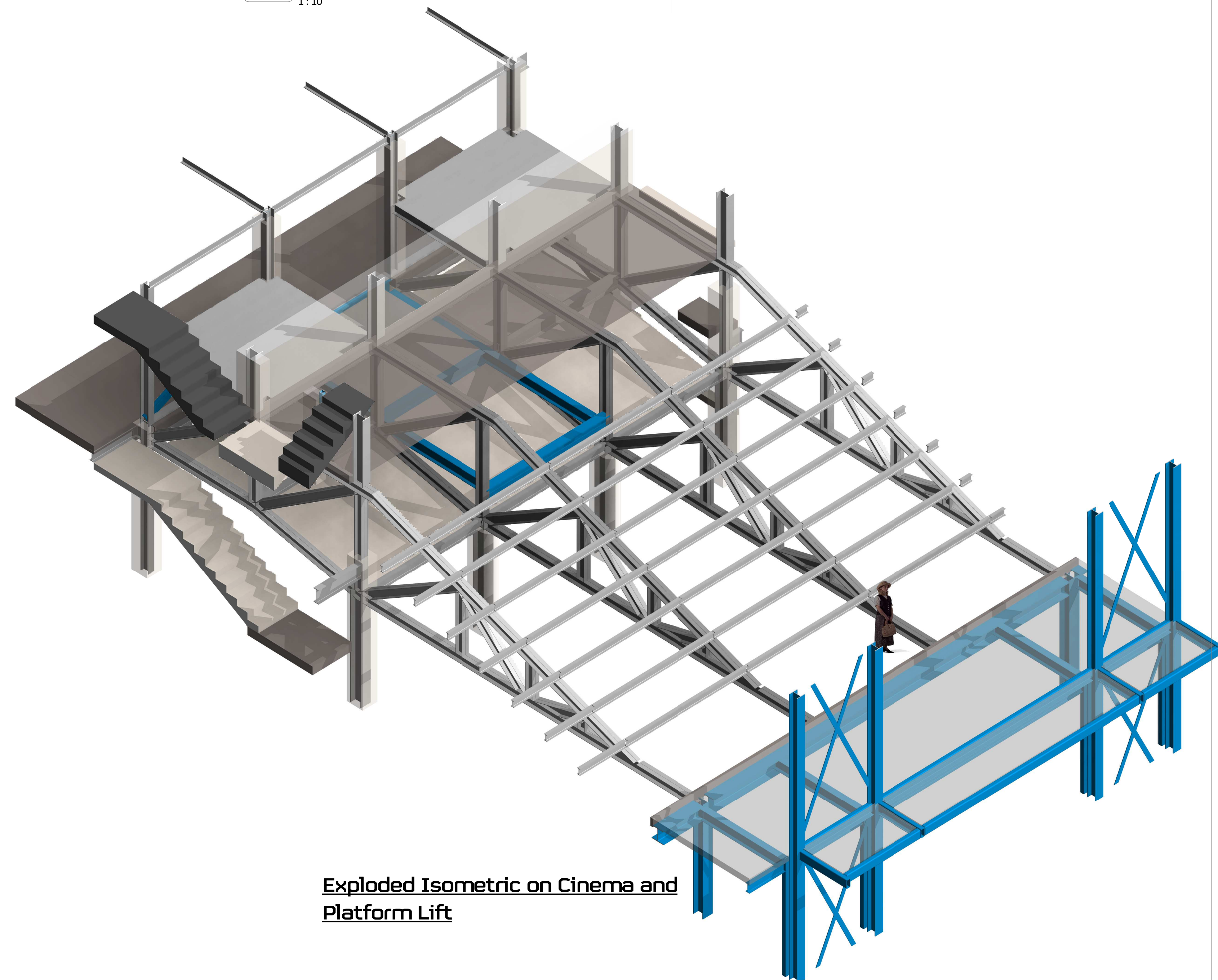
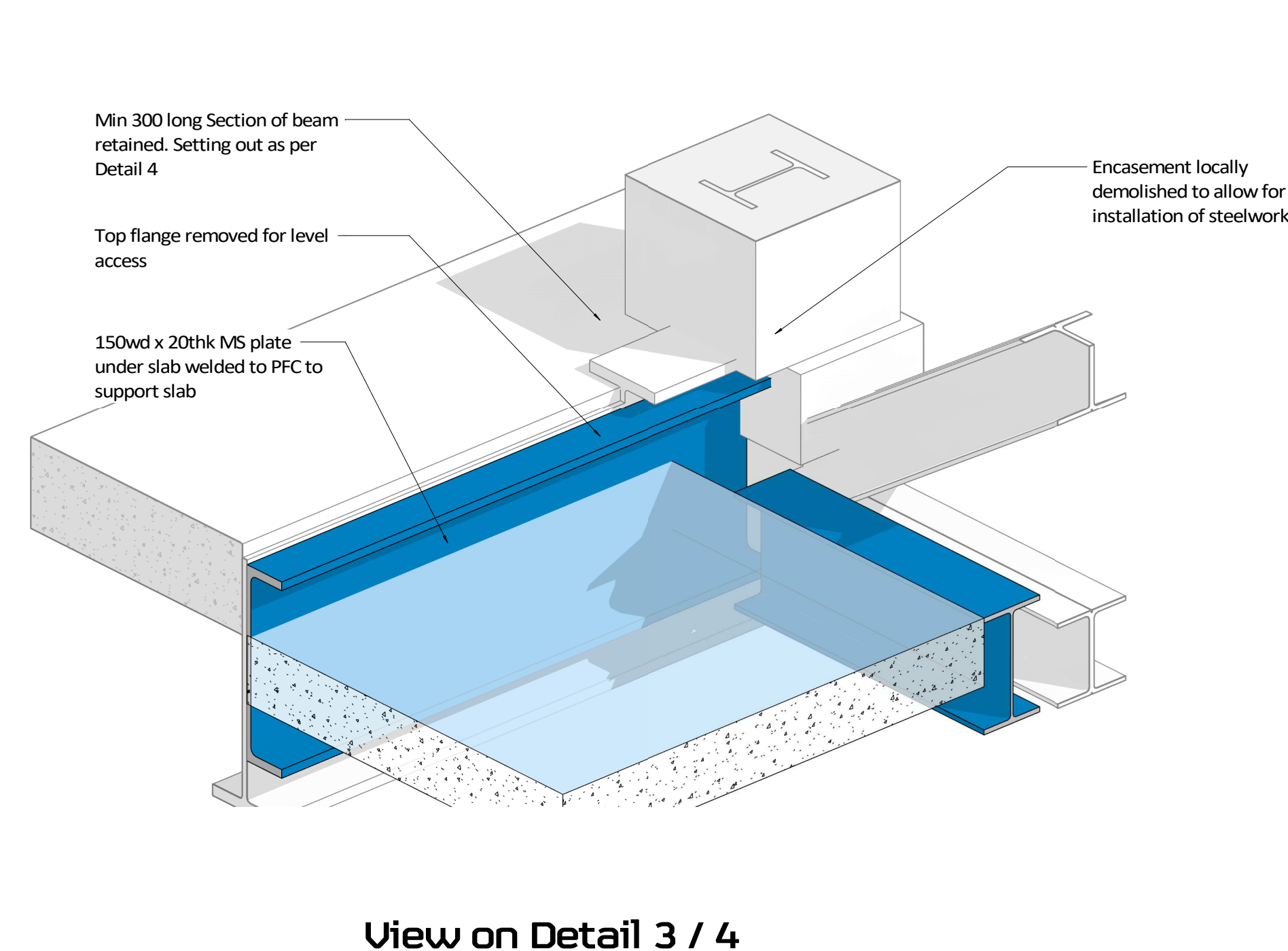
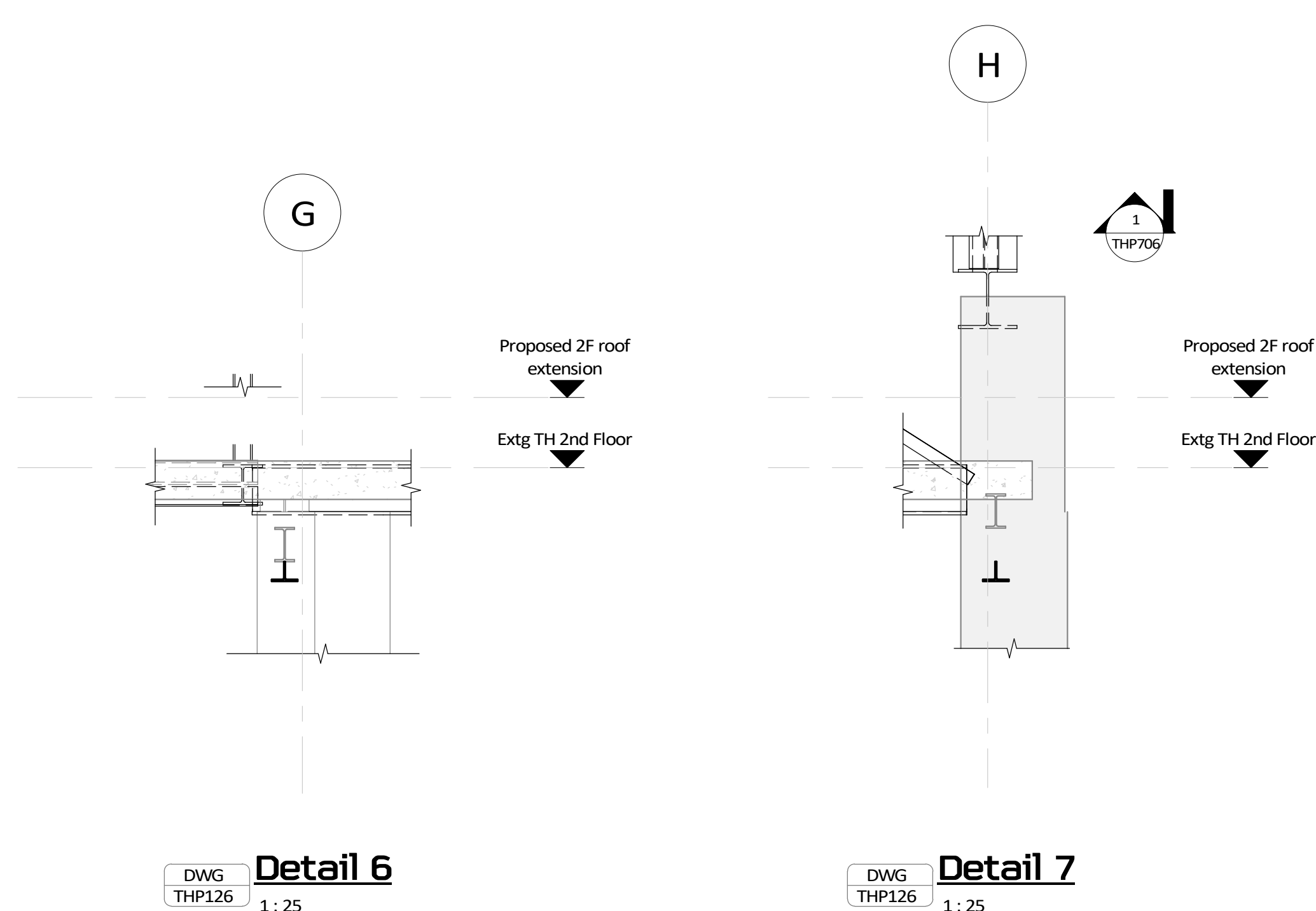
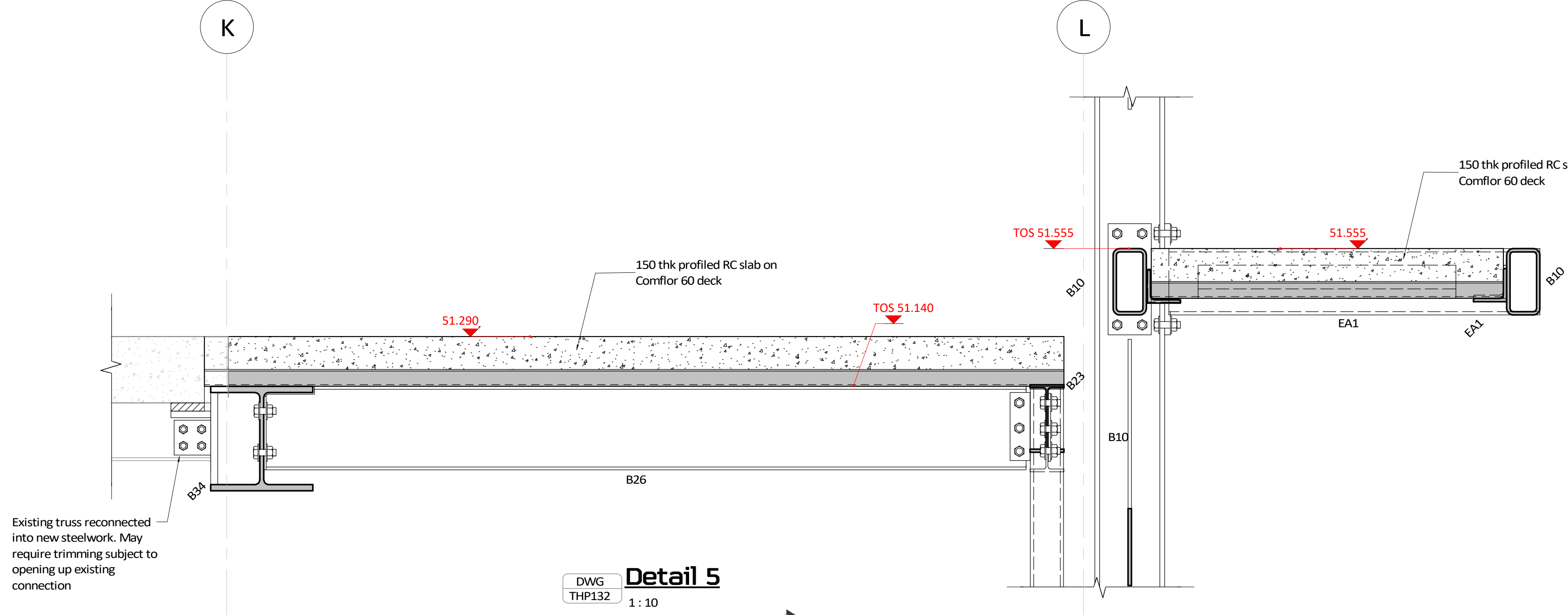
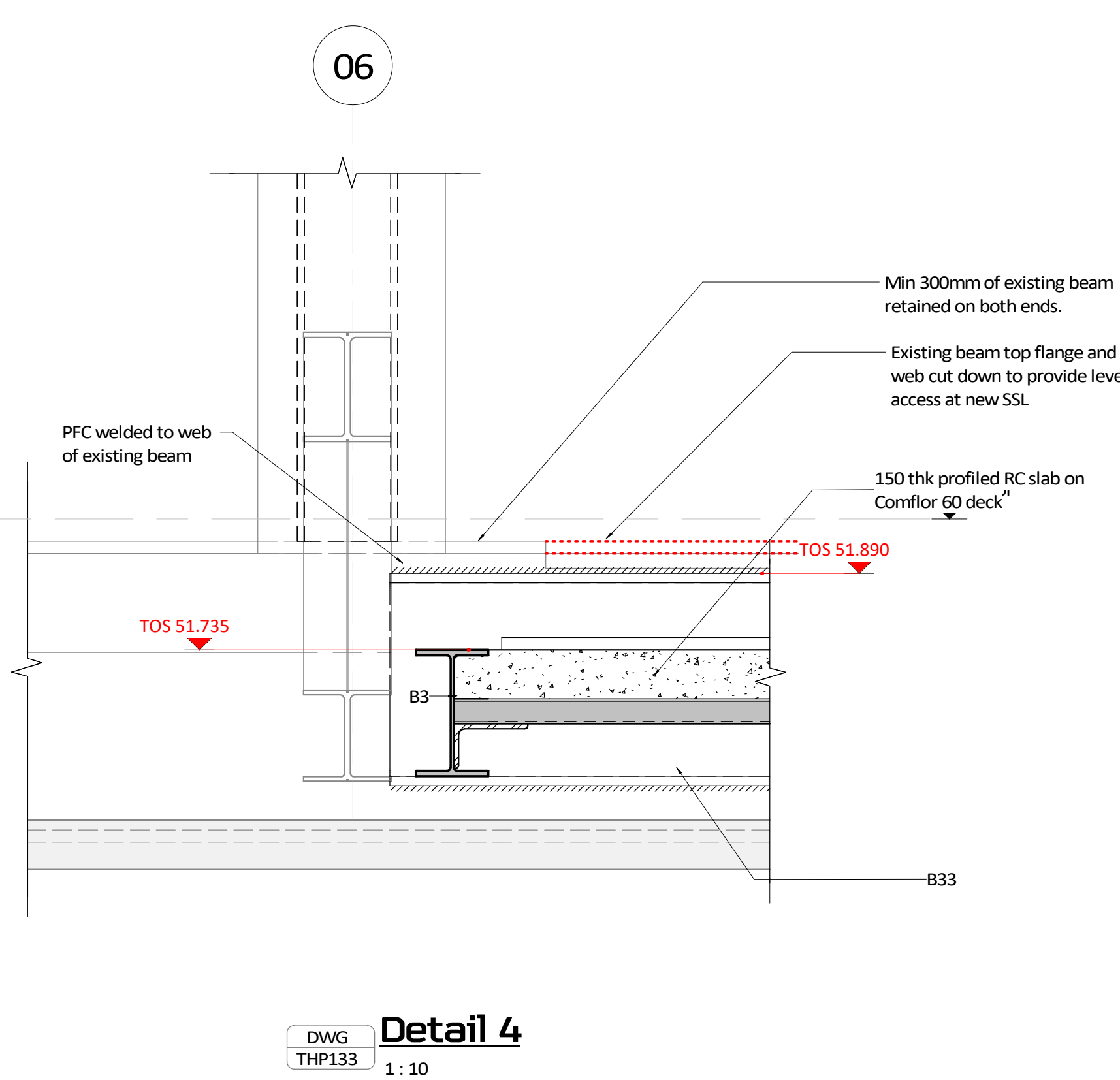
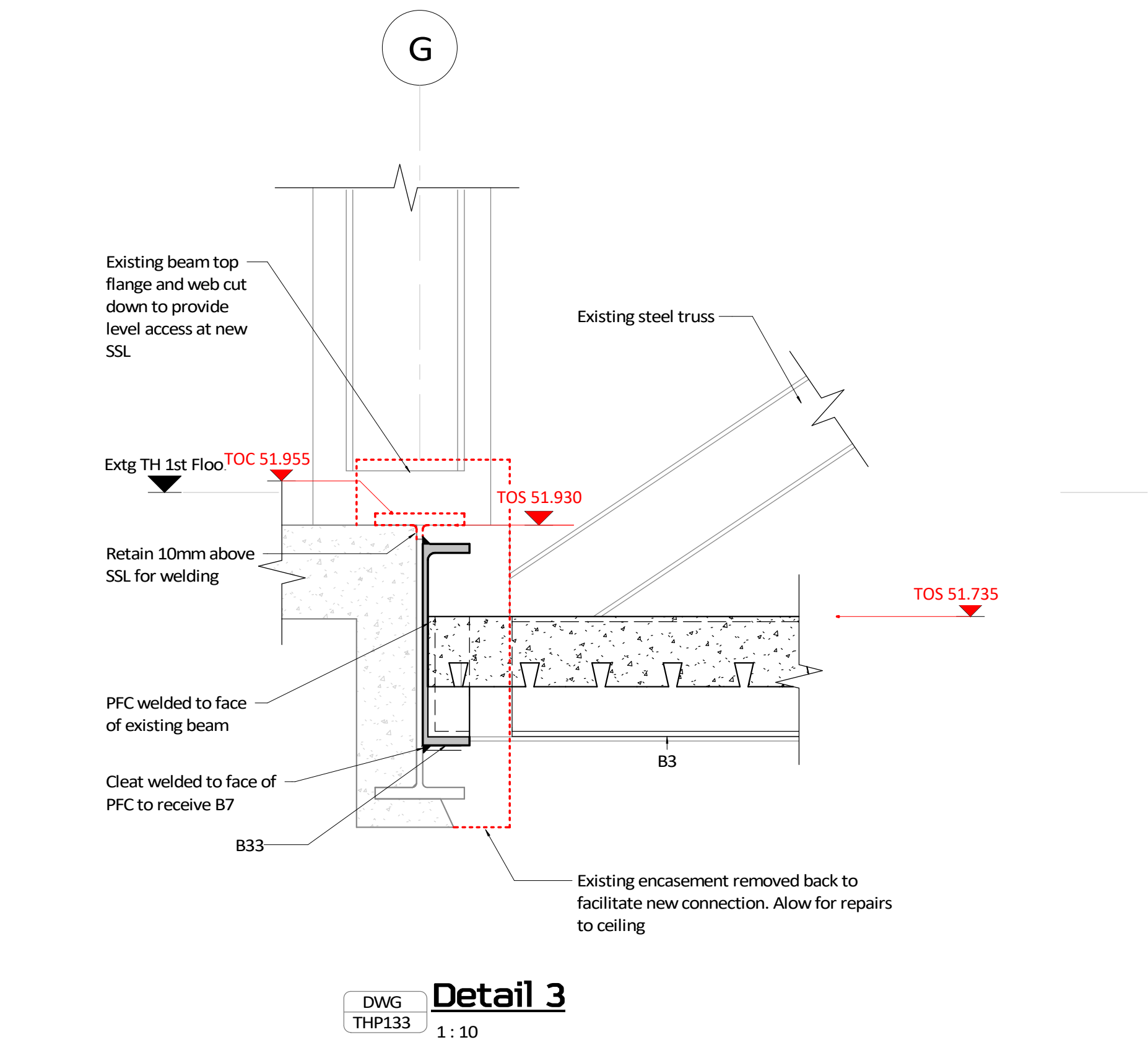
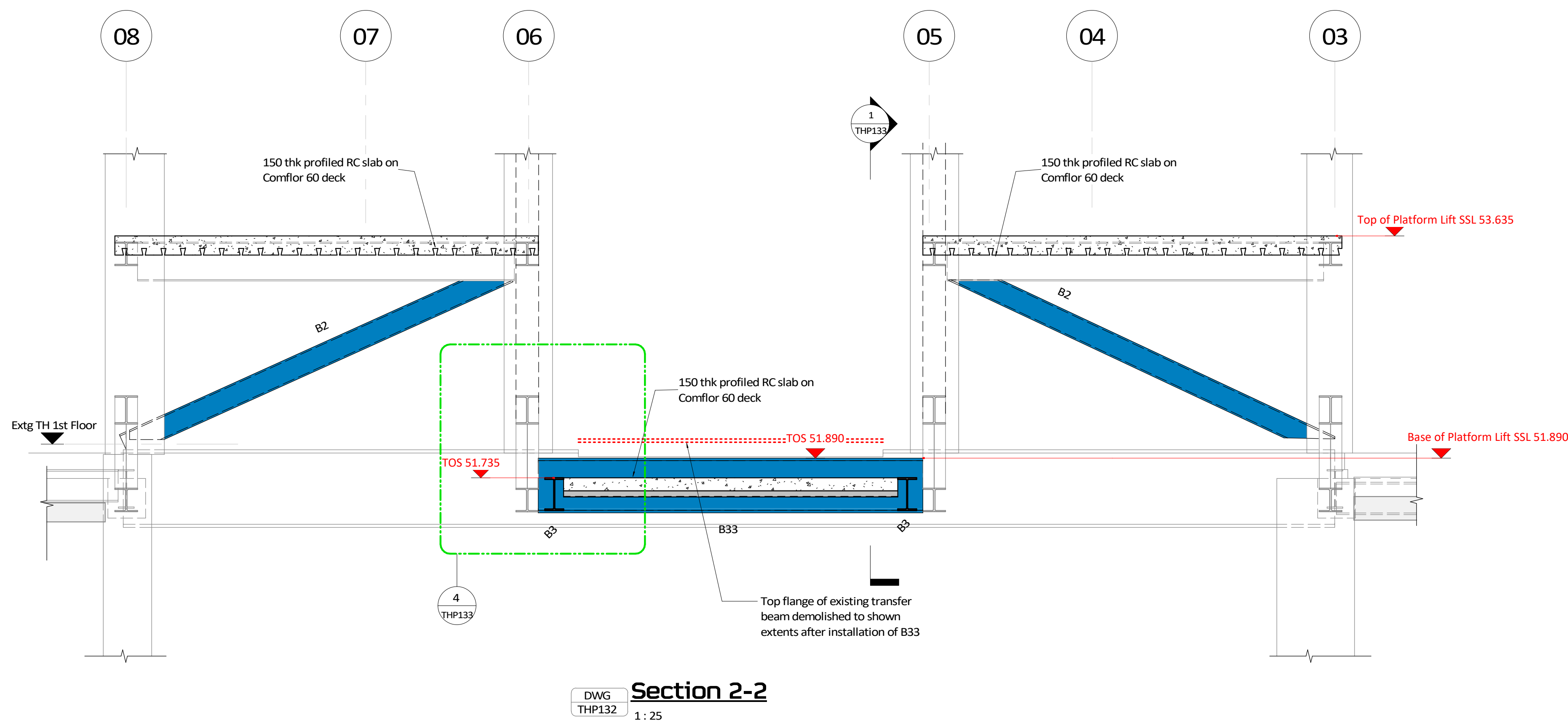
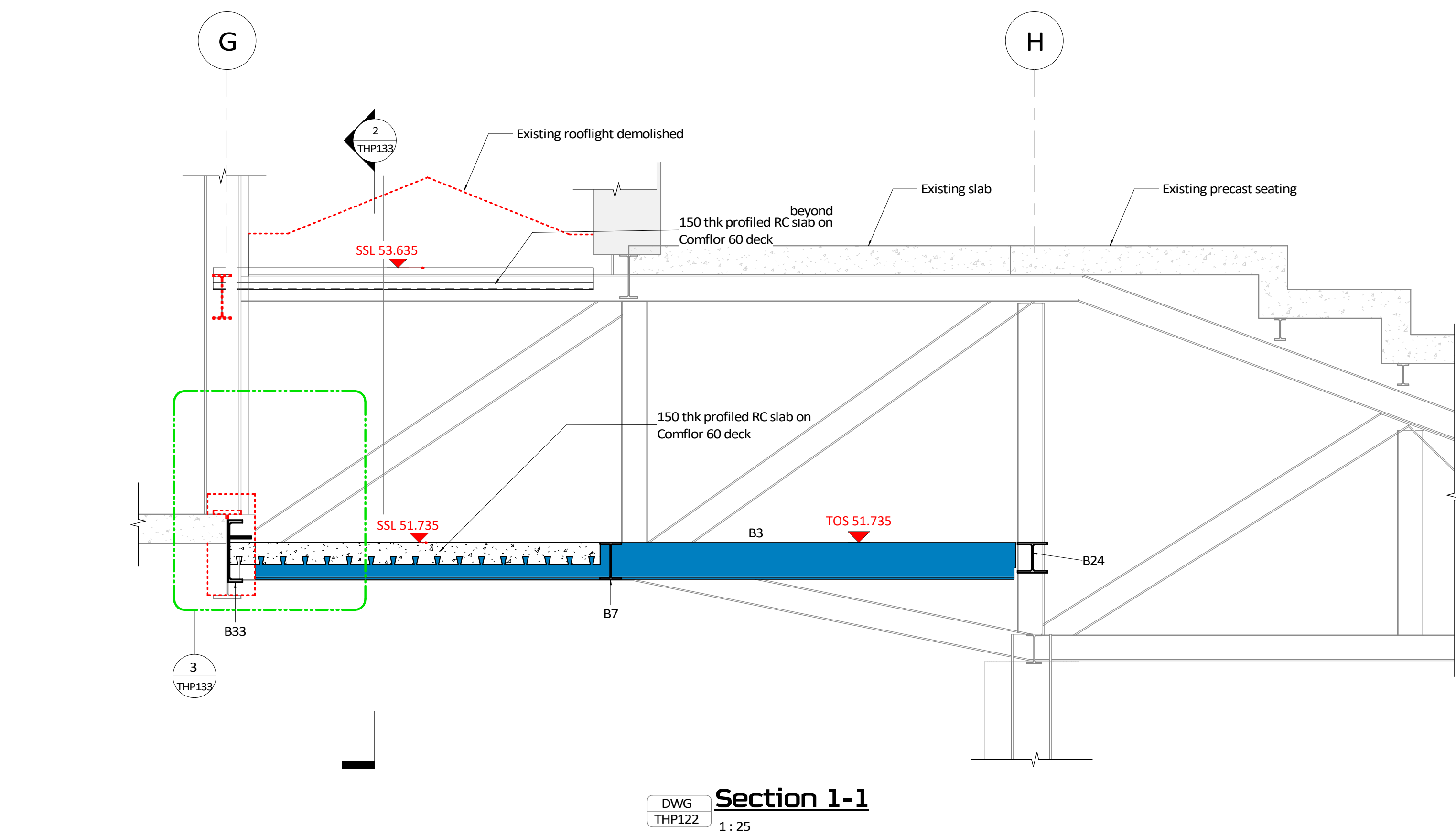




- 100mm @ A0 (50mm @ A2)
- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
 - Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale 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
SC3	200x100x10 RHS
SC4	152x152x23 UC
SC5	254x254x73 UC
SC7	152x152x30 UC
SC8	203x203x60 UC
SC10	90x90x10 SHS
SC11	200x120x6.3 RHS
SC12	100x100x10 SHS
SC14	203x203x113 UC
SC16	180x180x10 SHS
SC17	350 x 350mm
SC18	UC254x254x89
STR1	2No 10mm plates welded to existing columns

Beam Schedule	
B1	152x152x30 UC
B2	180x90x26 PFC
B3	245x146x37 UB
B4	254x254x73 UC
B5	203x133x30 UB
B6	200x90x30 PFC
B7	254x146x37 UB
B8	305x165x40 UB
B9	203x203x46 UC
B10	200x100x10 RHS
B12	203x203x46 UC
B13	203x203x71 UC
B14	300x200x12.5 RHS
B15	254x254x107 UC
B16	203x203x86 UC
B18	254x102x22 UB
B20	305x305x118 UC
B22	203x203x52 UC
B23	203x102x23 UB
B24	203x203x60 UC
B25	305x305x158 UC
B26	254x102x25 UB
B27	250x200x12.5 RHS
B28	203x133x25 UB
B30	152x152x23 UC
B31	230x90x32 PFC
B32	260x90x35 PFC
B33	430x100x64 PFC
B34	254x146x31 UB
B36	305x305x97 UC
B37	TUB133x102x13
B38	RHS350x150x10
B40	356x127x33 UB
B41	125x65x15 PFC
B42	150x100x8 RHS
B43	254x254x89 UC
B44	200x150x10 RHS
B47	406x140x39 UB
B48	356x368x129 UC
B49	UB305x165x54
B50	UB356x171x67
B51	100x100x5 SHS
B52	RHS220x120x8
B54	RHS250x150x8
B55	UC152x152x37
BR1	100x10 MS Flat Bracing
EA1	100x100x10 EA
UEA1	150x90x10 UA

Floor Schedule	
Concrete Floor	Profiled deck
Timber Floor	Glass Floor
1	200 thk RC slab
2	150 thk RC slab
4	200 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
7	210 thk profiled NWC slab on TATA Comflor 100 1.2 mm gauge deck with A252 mesh top and 1 no. H12 bar per trough. Allow a single prop to slab mid span
8	250 x 63 w C16 joists at 400 crs with 18 thk plywood screwed to top face of joists
9	150 x 50 w C16 joists at 300 crs with 18 thk plywood screwed to top face of joists
16	150 thk Bison hollow core slab or similar approved
18	30mm approx proprietary open mesh floor
19	250 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
20	200 x 63 w C24 joists at 300 crs with 18 thk plywood screwed to top face of joists
21	225d x 63w C24 joists @ 300 crs with 18 thk Class 3 marine plywood screwed to top face of joists
23	250 thk WRC slab infill
24	130 thk profiled LWC slab on TATA Comflor 60 1.0mm gauge deck with A393 mesh top and 1 no. H10 bar per trough
25	350 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
E1	Existing 200 thk RC slab

Legend	
Proposed RC structure	Proposed WRC structure
Proposed Steel Framing	
PS1 - 450lg x 215wd x 150dp MC padstone	PS2 - 600lg x 215wd x 215dp MC padstone
ST	Connection
ST	Strengthening
M	Moment connection
B1 (25mm)	Pre-camber
Timber	Timber
Wall Plate	Wall Plate
C	Crank
S	Splice
TB	Thermal Break
BR	Break in beam
DJ	Double joist

Column Strengthening

Indicates existing column to be strengthened as per detail shown on drawing 1862/THP116

CL	16.12.20	IRS	BW	Construction Issue
W1	10.11.20	IRS	CCR	Work in Progress
T1	05.11.18	SLS	LB	Revised Contract B Tender
Rev	Date	By	Eng	Amendments

HEYNE TILLET STEEL

Job Name
Hornsey Town Hall N8 9JJ

Block:
Proposed Cinema and Platform Lift Structure Sections and Details

Purpose of Issue
Construction Scale at A0

Drg No
1862/THP133

Rev
C1

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	Concrete Floor	Profiled Deck	Timber Floor	Glass Floor
1	200 thick RC slab	X		X
2	150 thick RC slab	X		
3	200 x 63w C24 joists at 400 c/s with 18 thick plywood screwed to top face of joists		X	
4	150 thick profiled NWC slab on TATA Comform 60.10 mm gauge deck with A193 mesh top and 1 no. H10 bar per trough		X	
5	210 thick profiled NWC slab on TATA Comform 100.12 mm gauge deck with A252 mesh top and 1 no. H12 bar per trough. Allow a single prop to stand mid span		X	
6	250 x 63w C16 joists at 400 c/s with 18 thick plywood screwed to top face of joists		X	
7	150 x 50 x 50 C16 joists at 300 c/s with 18 thick plywood screwed to top face of joists		X	
8	150 thick Bison hollow core slab or similar approved		X	
9	30mm approx proprietary open mesh or open floor		X	
10	250 thick WRC ground bearing slab on 50mm blinding and 150 c/s WRC slabs 4 ft high		X	
11	200 x 63w C24 joists at 300 c/s with 18 thick plywood screwed to top face of joists		X	
12	225w x 63w C24 joists @ 300 c/s with 18 thick Class 3 marine plywood screwed to top face of joists		X	
13	240 thick profiled LWC slab on TATA Comform 60.10mm gauge deck with A393 mesh top and 1 no. H10 bar per trough		X	
14	250 thick WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill		X	
15	Existing 200 thick RC slab			X

Column Strengthening

 ST Indicates existing column to be strengthened as per detail shown on drawing 1862/THP116

C1	15.12.20	IRS	BW	Construction Issue
W1	10.11.20	IRS	COR	Work in Progress
T2	02.05.19	SLS	LB	Revised Contract B Tender
T1	05.11.18	SLS	LB	Revised Contract B Tender
Rev	Date	By	Eng	Amendments

**HEYNE
TILLETT
STEEL**

STRUCTURAL
ENGINEERS

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Job Name
Hornsey Town Hall
N8 9JJ
Block: Town Hall
Drawing Title
Proposed
Cinema and Platform Lift
Structure

Purpose of Issue **Construction** Scale at A0
Drg No **1862/THP132** Rev **C1**

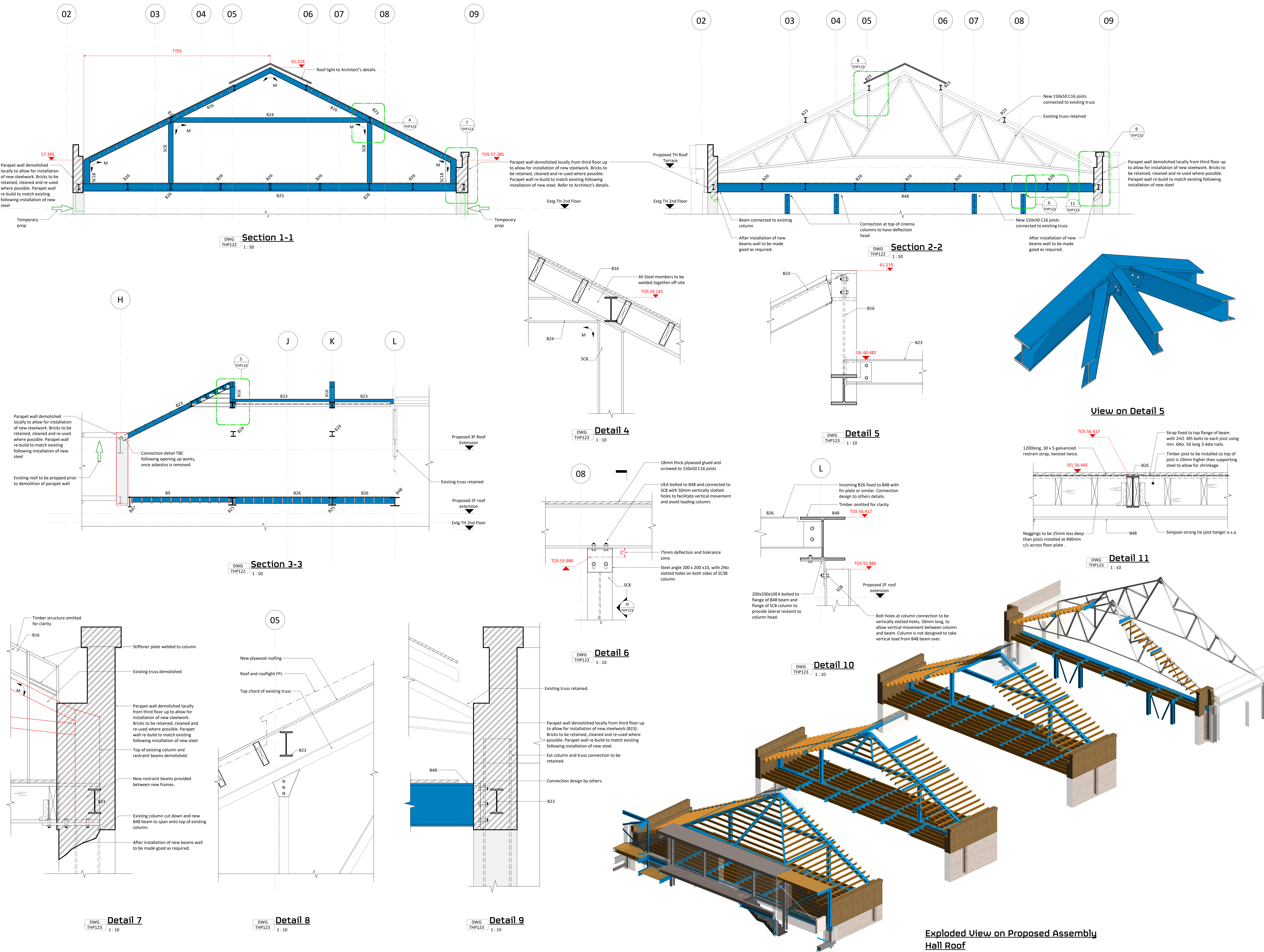
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SC2	203x203x46 UC	SC14	203x203x113 UC
SC3	200x100x10 RHS	SC16	180x180x10 SHS
SC4	152x152x23 UC	SC17	350 x 350mm
SC5	254x254x73 UC	SC18	UC254x254x89
SC7	152x152x30 UC	STR1	2No 10mm plates welded to existing columns
SC8	203x203x60 UC		
SC10	90x90x10 SHS		

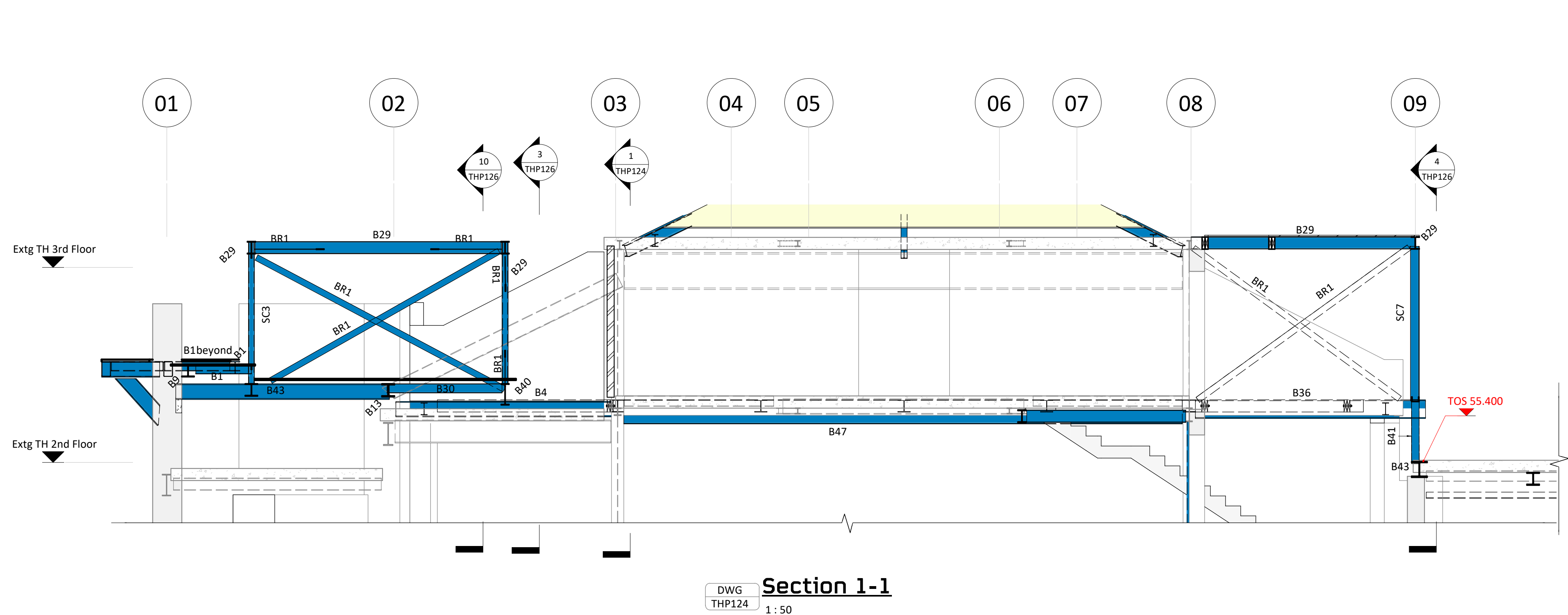
B1	150X152X30 UC	B30	152X152X23 UC
B2	182X626 PFC	B31	230X602 C PFC
B3	245X146X3 UB	B32	260X603S PFC
	with 150X90H UC	B33	430X100X64 PFC
	150A17 UC welded	B34	254X146X31 UB
	to web with	B35	305X305X71 UC
	100mm long 6mm	B37	TUB131X10X13
	CFW at 300 c/c	B38	RHS350X150X10
B4	254X146X31 UB	B39	356X127X33 UB
B5	200X90X30 UC	B41	L25M65S15
B6	200X90X30 UC	B42	150X100X8 RHS
B7	254X146X31 UB	B43	254X254X68 UC
B8	305X165X40 UC	B44	200X150X10 RHS
B9	203X204X6 UC	B45	356X168X12 UC
B10	200X100X10 RHS	B46	356X168X12 UC
B11	203X204X6 UC	B49	108X365X165SA
B12	300X150X5 RHS	B50	UB365X171X67
B13	203X204X6 UC	B51	100X365X171
B14	203X204X6 UC	B52	RHS220X120X8
B15	203X204X6 UC	B54	RHS254X120X8
B16	203X204X6 UC	B55	UC135X152X5
B17	203X204X6 UC	BR1	100X100X8 MS Flat Bar
B18	203X204X6 UC	EA1	100X100X10 EA
B19	203X204X6 UC	UEA1	150X90X10 UC
B20	250X200X12.5 RHS		
B21	203X133X25 UC		

Concrete Floor	Profiled X Deck	Timber Floor	Glass Floor
150	150	150	150
200	200	200	200
250	250	250	250
300	300	300	300
350	350	350	350
400	400	400	400
450	450	450	450
500	500	500	500
550	550	550	550
600	600	600	600
650	650	650	650
700	700	700	700
750	750	750	750
800	800	800	800
850	850	850	850
900	900	900	900
950	950	950	950
1000	1000	1000	1000
1050	1050	1050	1050
1100	1100	1100	1100
1150	1150	1150	1150
1200	1200	1200	1200
1250	1250	1250	1250
1300	1300	1300	1300
1350	1350	1350	1350
1400	1400	1400	1400
1450	1450	1450	1450
1500	1500	1500	1500
1550	1550	1550	1550
1600	1600	1600	1600
1650	1650	1650	1650
1700	1700	1700	1700
1750	1750	1750	1750
1800	1800	1800	1800
1850	1850	1850	1850
1900	1900	1900	1900
1950	1950	1950	1950
2000	2000	2000	2000
2050	2050	2050	2050
2100	2100	2100	2100
2150	2150	2150	2150
2200	2200	2200	2200
2250	2250	2250	2250
2300	2300	2300	2300
2350	2350	2350	2350
2400	2400	2400	2400
2450	2450	2450	2450
2500	2500	2500	2500
2550	2550	2550	2550
2600	2600	2600	2600
2650	2650	2650	2650
2700	2700	2700	2700
2750	2750	2750	2750
2800	2800	2800	2800
2850	2850	2850	2850
2900	2900	2900	2900
2950	2950	2950	2950
3000	3000	3000	3000
3050	3050	3050	3050
3100	3100	3100	3100
3150	3150	3150	3150
3200	3200	3200	3200
3250	3250	3250	3250
3300	3300	3300	3300
3350	3350	3350	3350
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3900	3900	3900	3900
3950	3950	3950	3950
4000	4000	4000	4000
4050	4050	4050	4050
4100	4100	4100	4100
4150	4150	4150	4150
4200	4200	4200	4200
4250	4250	4250	4250
4300	4300	4300	4300
4350	4350	4350	4350
4400	4400	4400	4400
4450	4450	4450	4450
4500	45		

	Proposed RC structure
	Proposed WRC structure
	Proposed Steel Framing
	PS1 - 450lg x 215wd x 150dp MC padstone PS2 - 600lg x 215wd x 215dp MC padstone
	Connection Strengthening
	Crank
	Splice
	Moment connection
	Thermal Break
	Break in bearing
	Double joist
	Pre-camber
	Timber Wall Plate

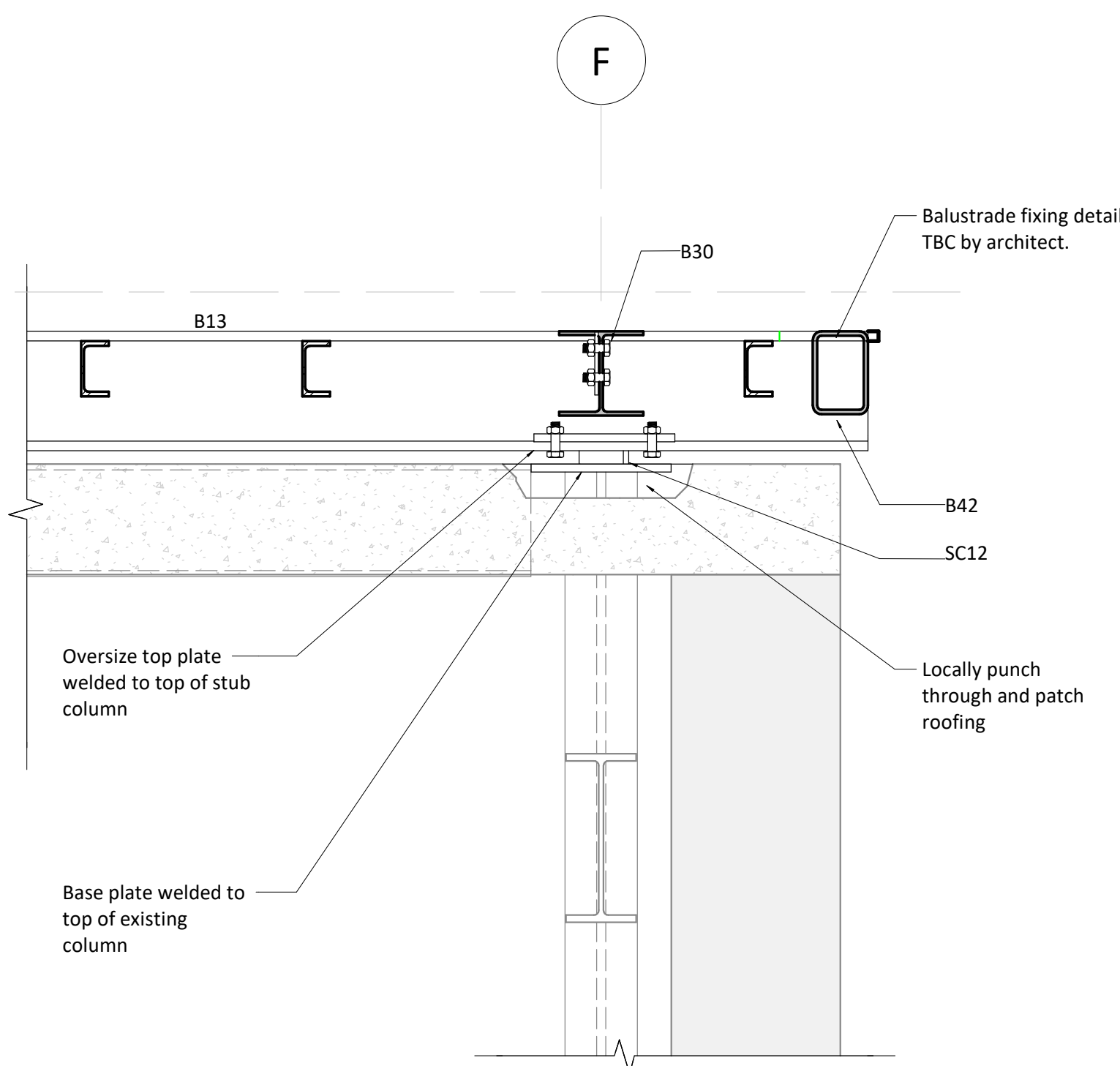
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W1	17.09.20	IRS	COR	Work in Progress
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T2	05.11.18	SLS	LB	Revised Contract B Tender
T1	21.09.18	SLS	LB	Issued for Tender
Rev	Date	By	Eng	Amendments





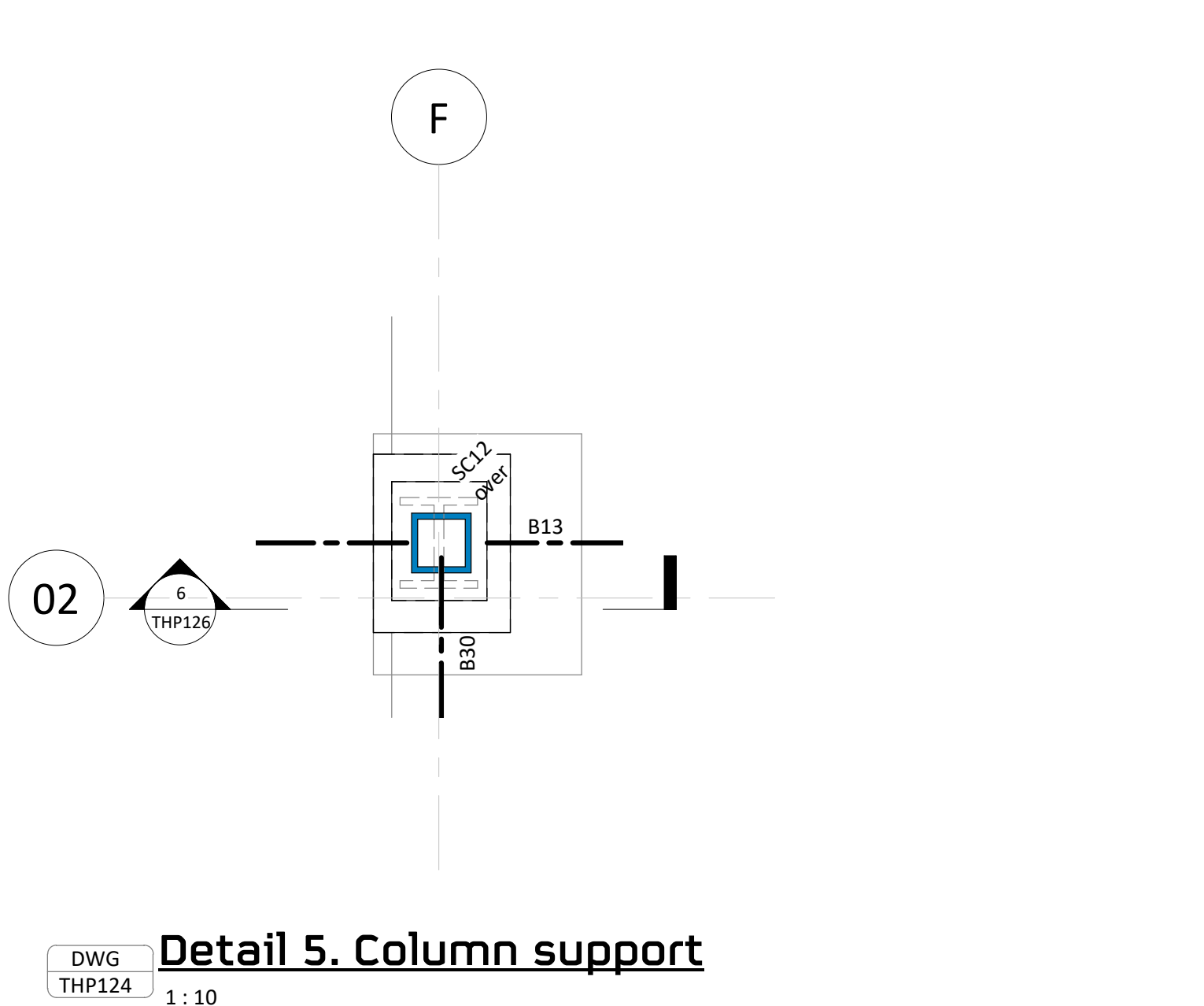
Section 1-1

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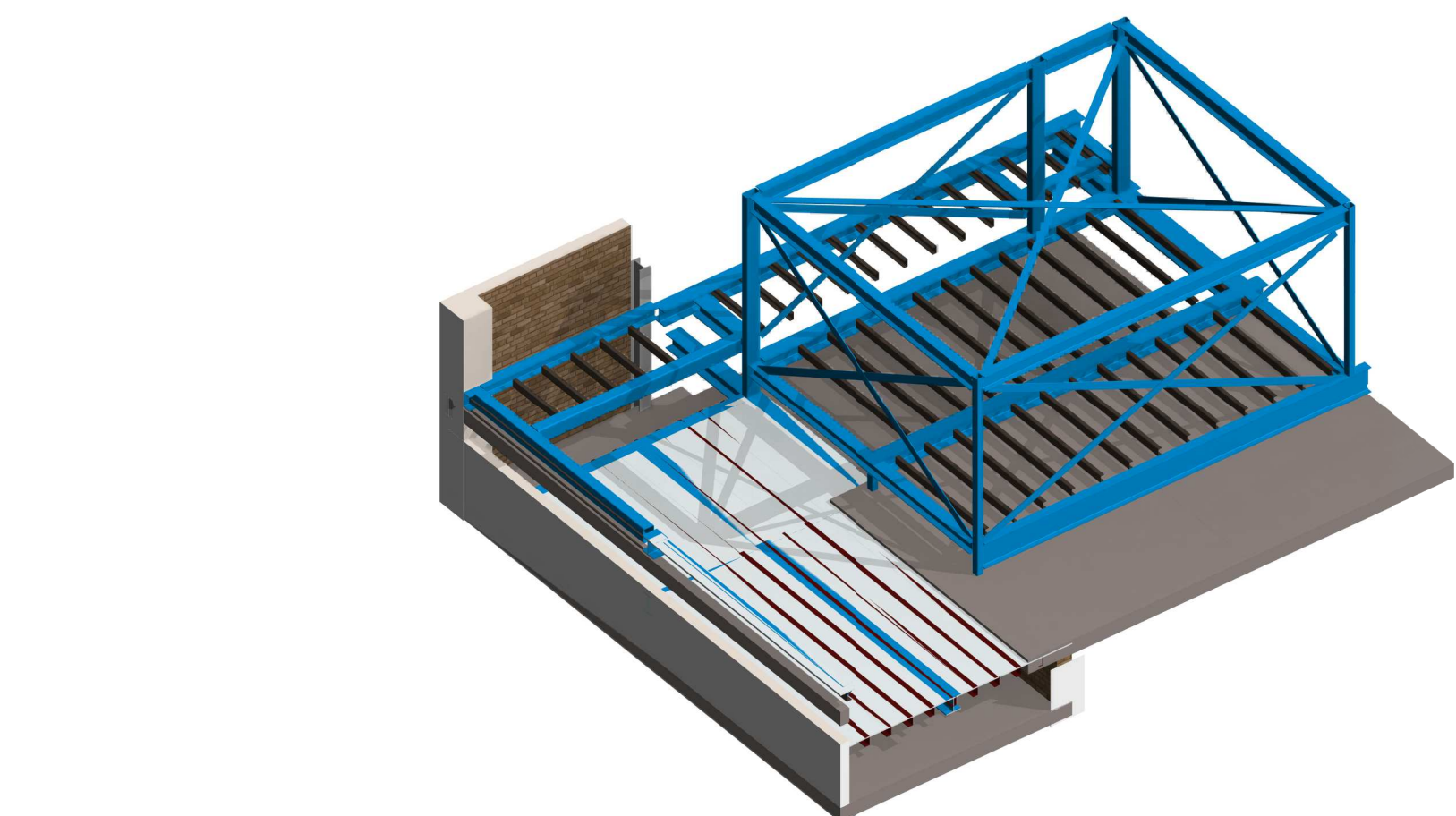
Detail 2

DWG THP126 1:10

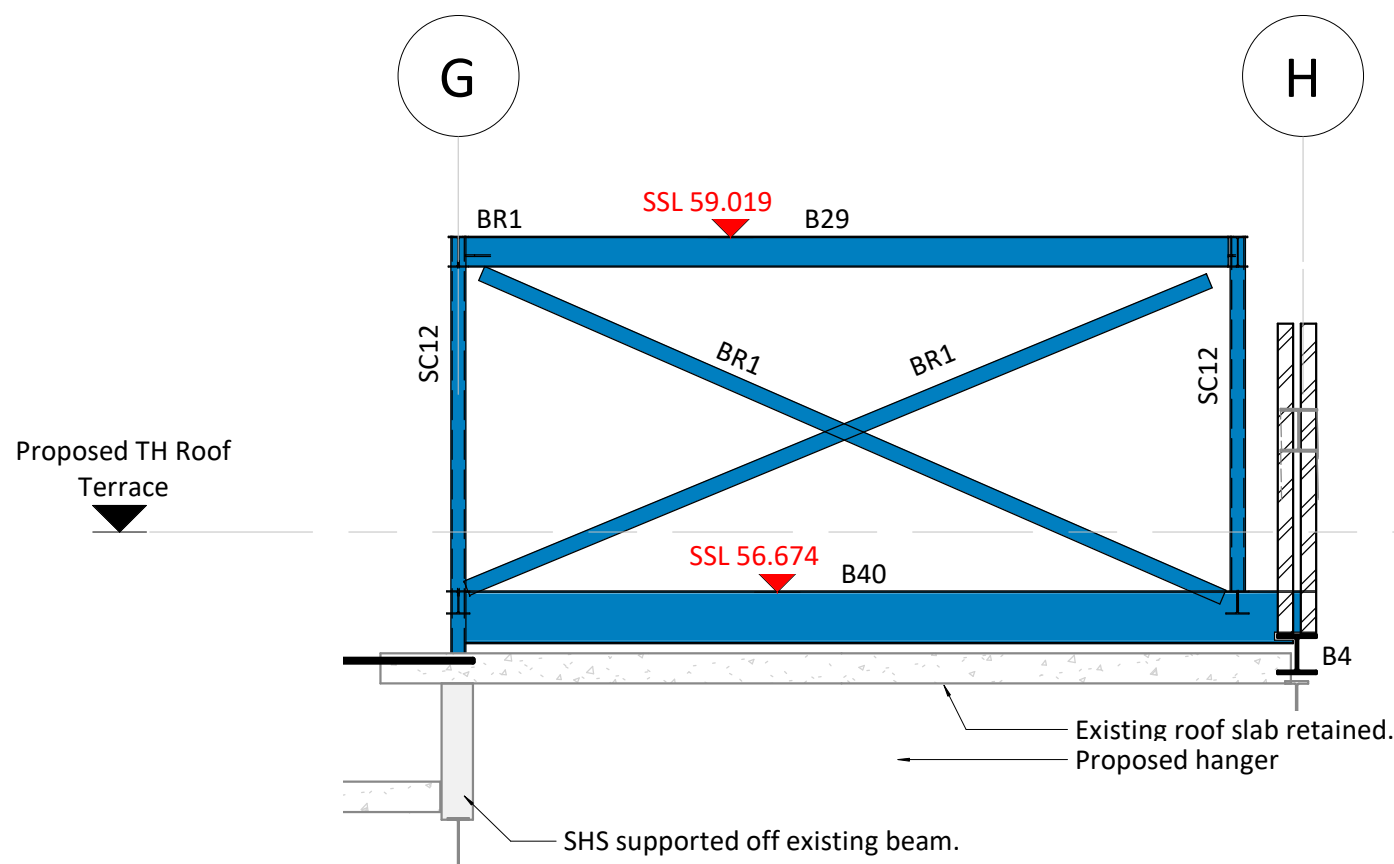


Detail 5. Column support

DWG THP124 1:10

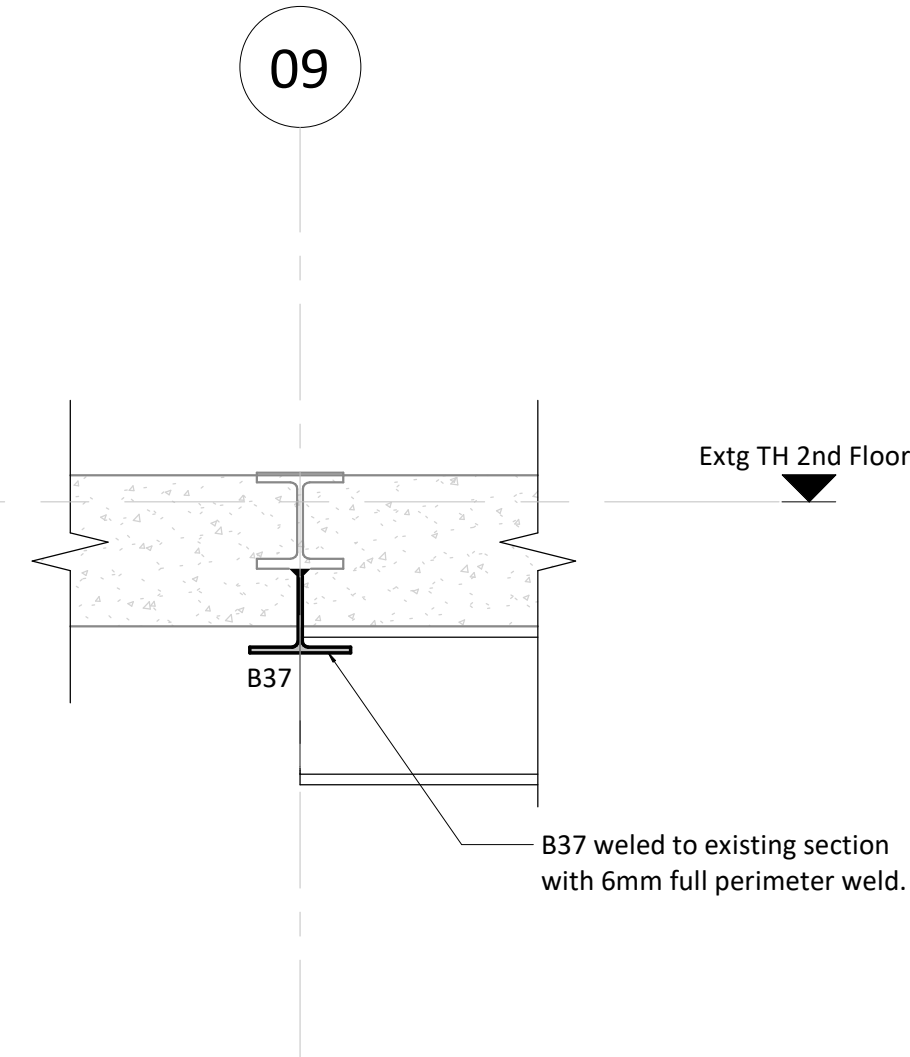


3D View On Section 3-3 Plant Room



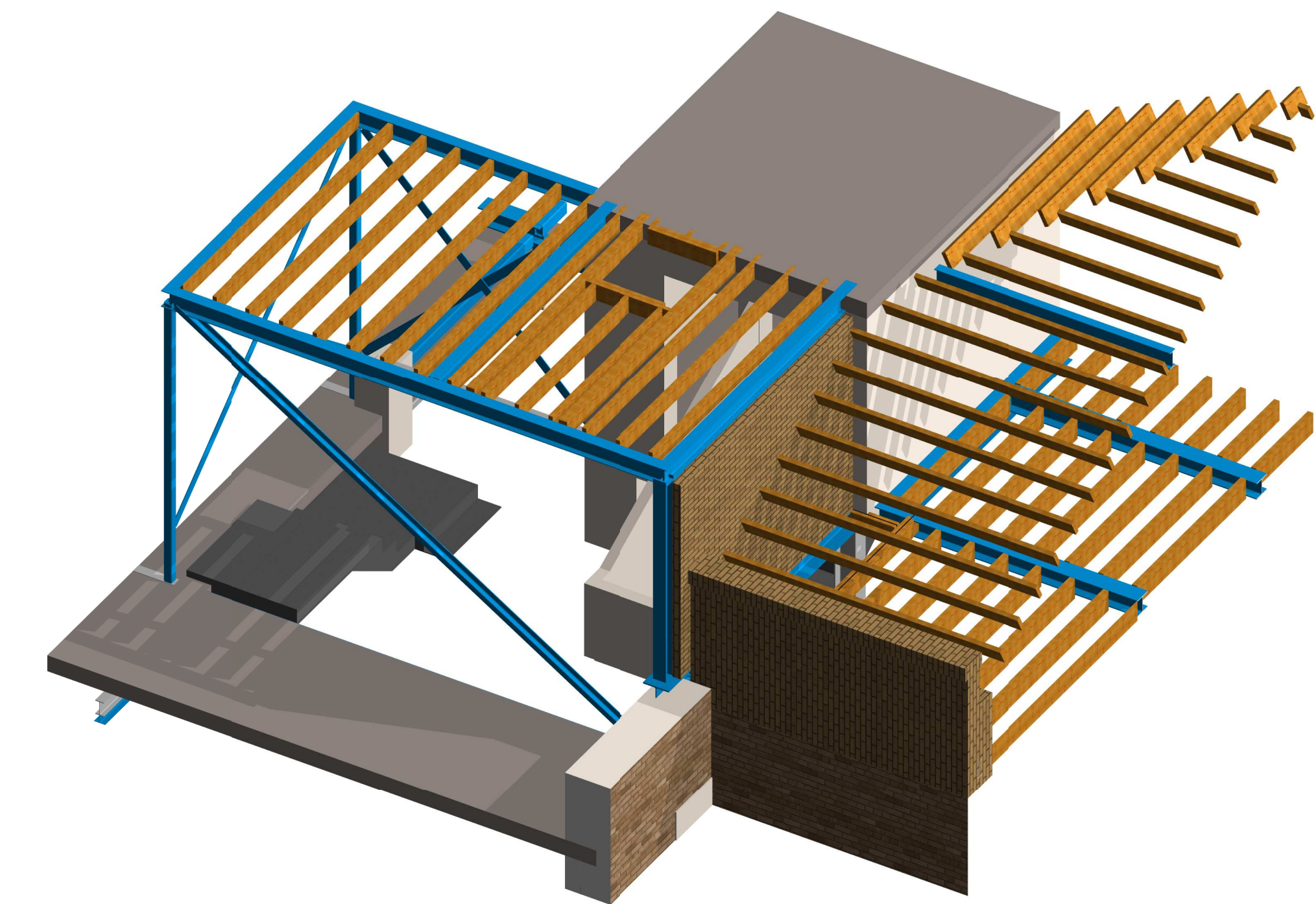
Section 3-3 Plant Room

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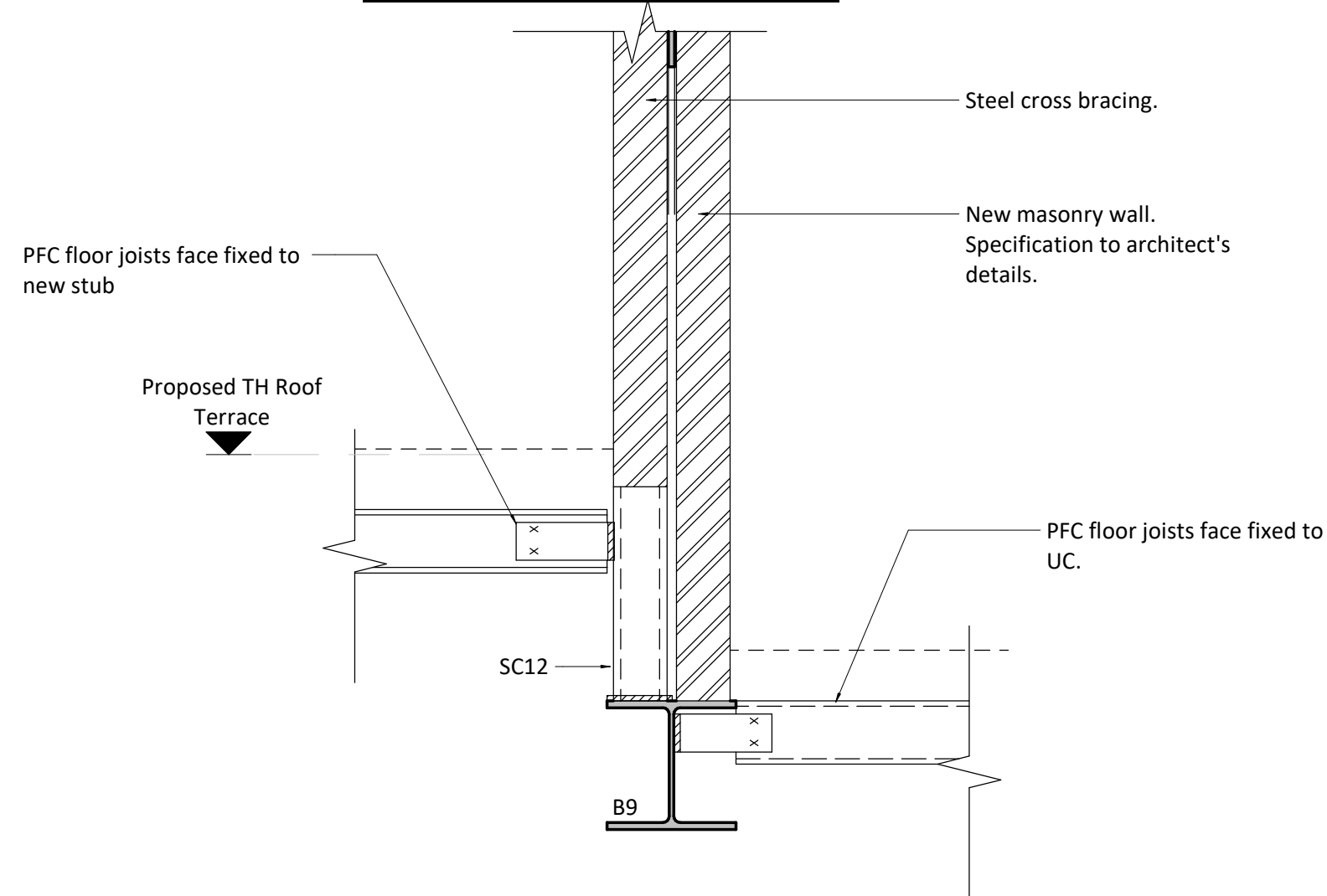


Detail 7. Beam Strengthening

DWG THP124 1:10

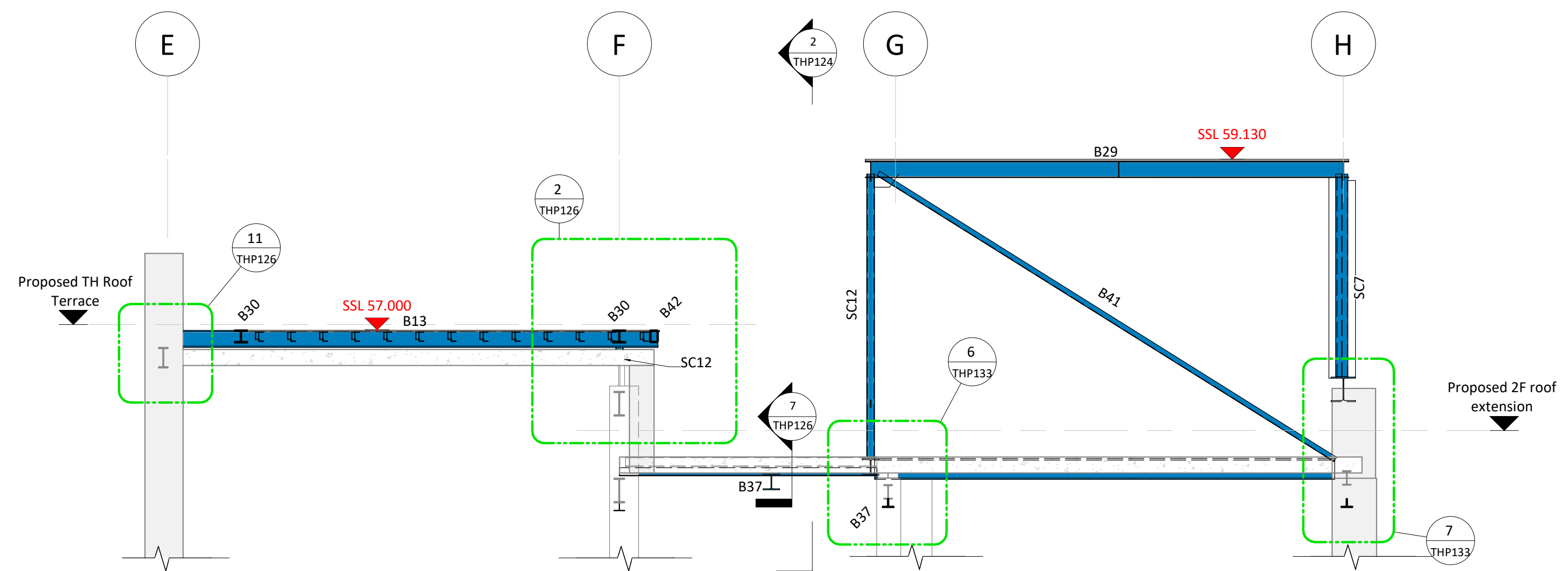


View on Section 4-4



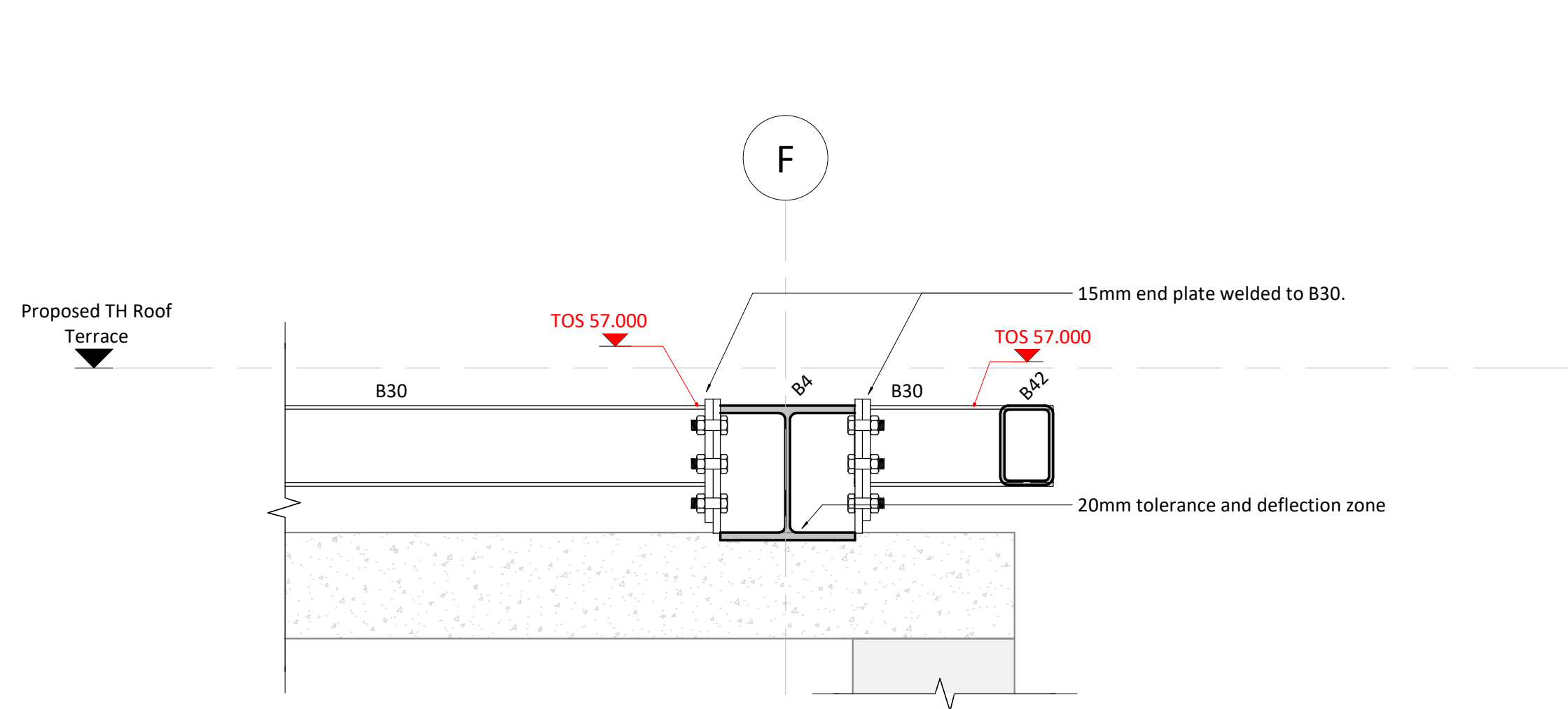
Detail 9

DWG THP124 1:10



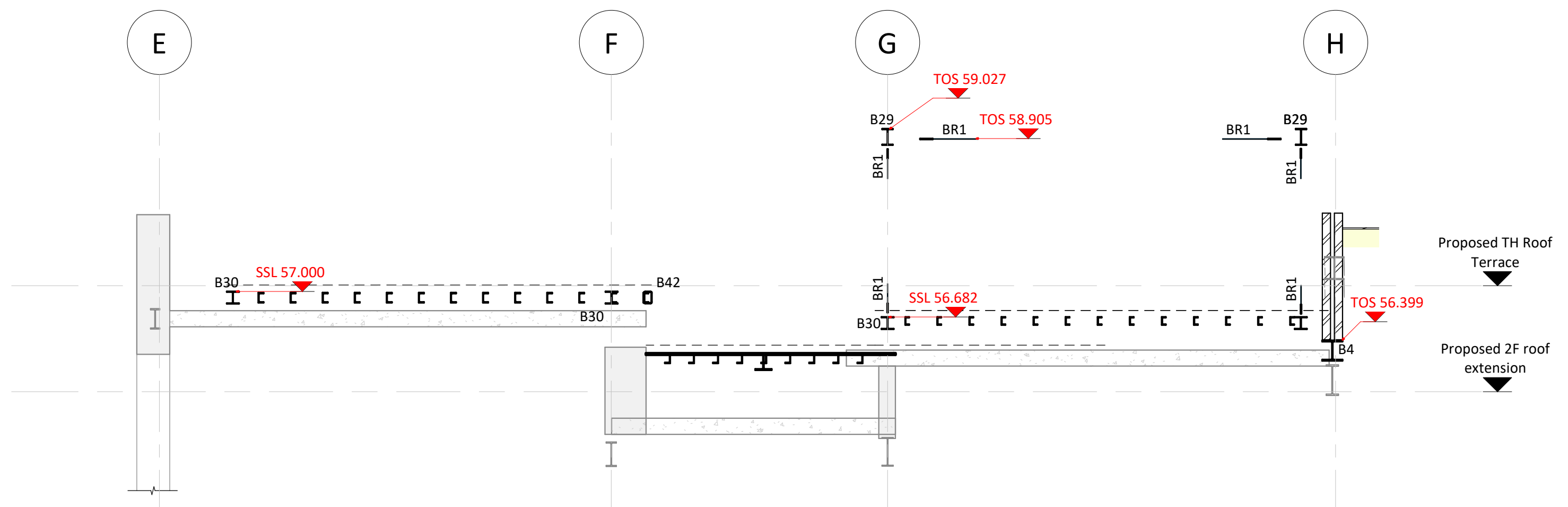
Section 4-4

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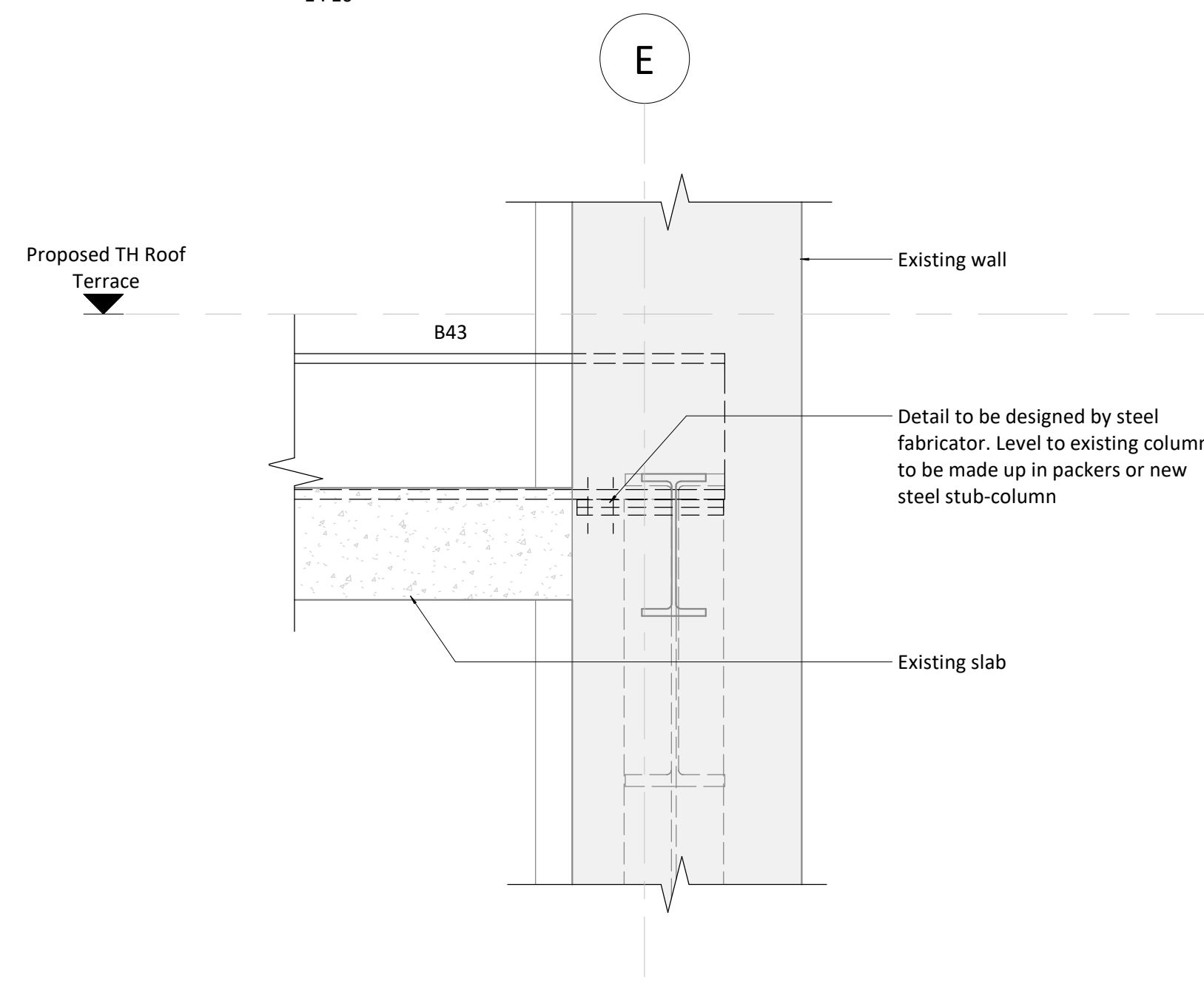
Detail 8. Moment connection

DWG THP124 1:10



Section 10

DWG THP124 1:50



Detail 11

DWG THP124 1:10

100mm @ A0 (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	SC12 100x100x10 SHS
SC2 203x203x46 UC	SC14 203x203x13 UC
SC3 200x100x10 RHS	SC16 180x180x10 SHS
SC4 152x152x23 UC	SC17 350 x 350mm
SC5 254x254x73 UC	SC18 UC254x254x89
SC7 152x152x30 UC	STR1 2No 10mm plates welded to existing columns
SC8 203x203x60 UC	
SC10 90x90x10 SHS	
SC11 200x120x6.3 RHS	

Beam Schedule	
B1 152x152x30 UC	B26 254x102x25 UB
B2 180x90x26 PFC	B27 250x200x12.5 RHS
B3 245x146x37 UB	B28 254x254x132 UC
B4 200x100x10 RHS	B29 203x133x25 UB
B5 203x133x30 UB	B30 152x152x23 UC
B6 200x90x30 PFC	B31 230x90x32 PFC
B7 254x146x37 UB	B32 260x90x35 PFC
B8 305x165x40 UB	B33 430x100x64 PFC
B9 203x203x46 UC	B34 254x146x31 UB
B10 200x100x10 RHS	B36 305x305x97 UC
B11 UC152x152x30 w/ bottom plate	B37 TU183x102x13
B12 203x203x46 UC	B38 RHS350x150x10
B13 300x200x12.5 RHS	B40 356x127x33 UB
B15 254x254x107 UC	B41 125x65x15 PFC
B16 203x203x86 UC	B42 150x100x8 RHS
B18 254x102x22 UB	B43 254x254x89 UC
B20 305x305x118 UC	B44 200x150x10 RHS
B22 203x102x52 UC	B45 UB356x171x57
B23 203x102x23 UB	B47 406x140x39 UB
B25 305x305x158 UC	B48 356x368x129 UC
	B49 UB305x165x54
	B50 UB356x171x67
	B51 100x100x5 SHS
	B52 RHS20x120x8
	B54 RHS250x150x8
	B55 UC152x152x37
	B56 254x254x73 UC
	BR1 100x10 MS Flat Bracing
	EA1 100x100x10 EA
	UEA1 150x90x10 UA

Floor Schedule	
Concrete Floor	Timber Floor
1 200 thk RC slab	2 150 thk RC slab
3 200 d x 63 w C24 joists at 400 crs with 18 thk plywood screwed to top face of joists	4 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
5 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	6 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
7 210 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	8 250 d x 63 w C16 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	10 100x50x10 PFC joists at 400 crs
11 125x65x15 PFC joists at 400 crs	12 150 thk Bison hollow core slab or similar approved
13 30mm approx proprietary open mesh floor	14 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
15 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	16 200 d x 63 w C24 joists at 300 crs with 18 thk plywood screwed to top face of joists
17 250 thk WRC slab infill	18 130 thk profiled LWC slab on TATA Comfor 60 1.0mm gauge deck with A393 mesh top and 1 no. H10 bar per trough
19 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	20 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
21 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	22 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
23 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	24 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
25 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	26 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
27 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	28 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
29 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	30 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
31 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	32 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
33 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	34 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
35 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	36 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
37 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	38 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
39 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	40 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
41 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	42 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
43 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	44 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
45 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	46 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
47 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	48 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
49 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	50 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
51 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	52 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
53 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	54 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
55 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	56 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
57 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	58 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
59 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	60 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
61 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	62 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
63 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	64 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
65 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	66 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
67 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	68 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
69 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	70 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
71 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	72 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
73 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	74 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
75 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	76 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
77 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	78 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
79 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	80 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
81 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	82 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
83 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	84 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
85 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	86 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
87 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	88 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
89 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	90 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
91 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	92 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
93 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	94 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
95 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	96 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
97 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	98 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill
99 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill	100 150 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill

Legend	
Proposed RC structure	Proposed WRC structure
Proposed Steel Framing	Proposed Steel Framing
PS1 - 450lg x 215wd x 150dp MC padstone	PS2 - 600lg x 215wd x 215dp MC padstone
PS3 - 750lg x 215wd x 215dp MC padstone	
ST	Connection Strengthening
C	Crank
S	Splice
TB	Moment connection
BR	Thermal Break
DJ	Pre-camber
DH	Break in beam
DH	Double joist

Column Strengthening	
ST	Indicates existing column to be strengthened as per detail shown on drawing 1862/THP116

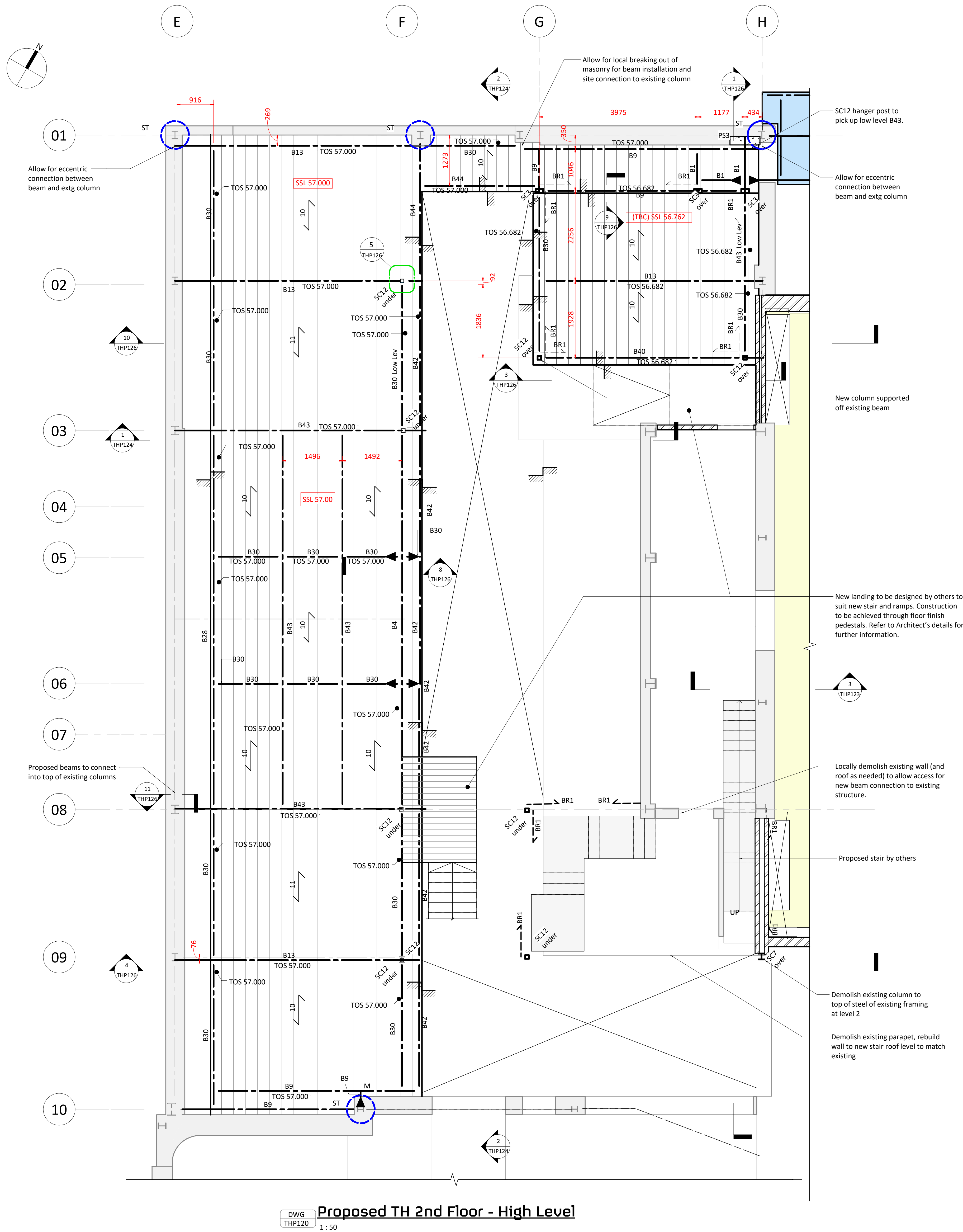
C1	10.05.21	IRS	BW	Construction Issue
W3	08.04.21	IRS	BW	Work in Progress
W2	22.01.21	IRS	BW	Work in Progress
W1	09.04.20	IRS	CDR	Work in Progress
T1	05.11.18	SL5	LB	Revised Contract B Tender
Rev	Date	By	Eng	Amendments

HEYNE TILLET STEEL STRUCTURAL ENGINEERS
hts.uk.com

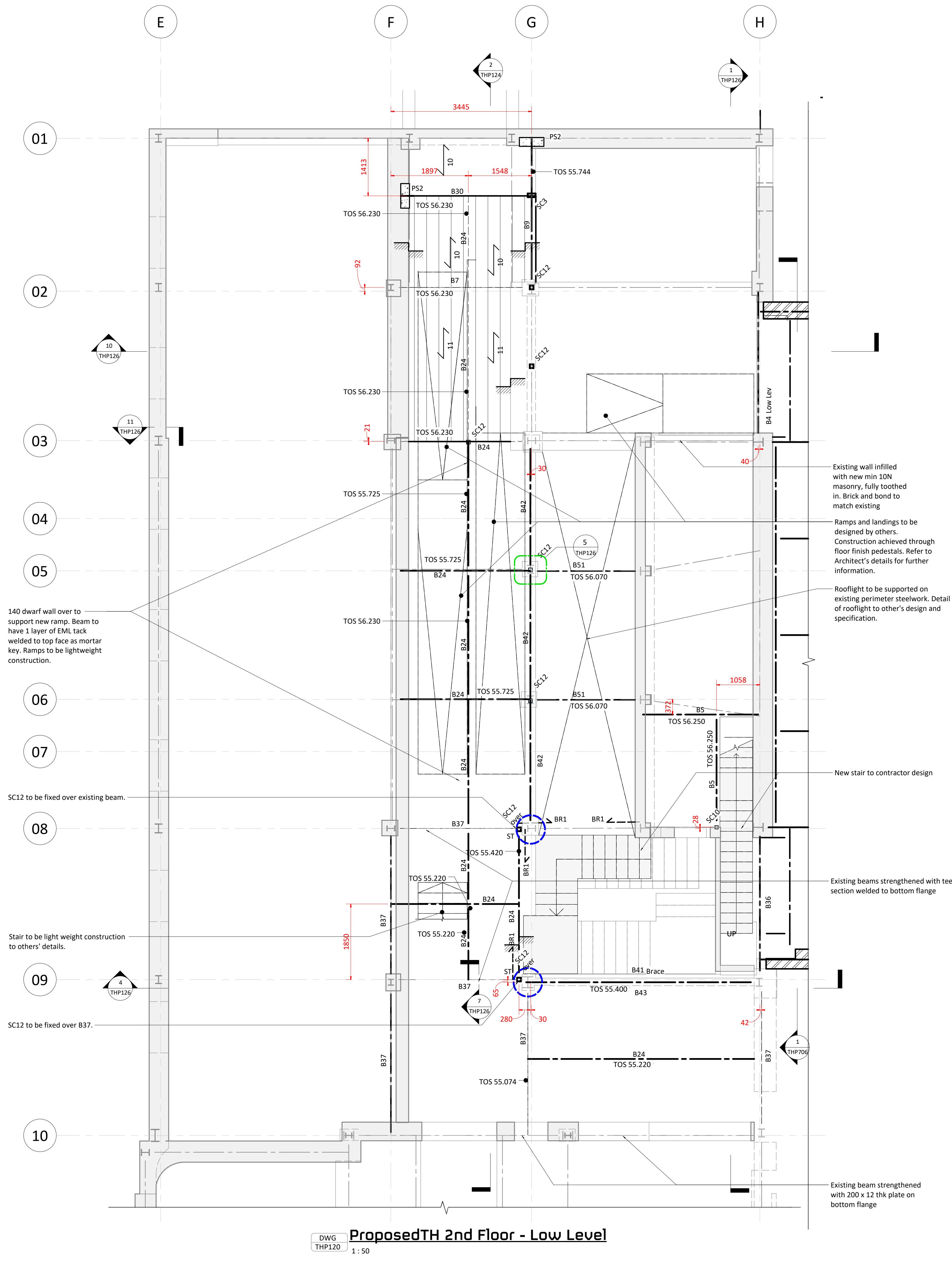
Job Name
Hornsey Town Hall
N8 9JJ
Block: Town Hall
Drawing Title
Proposed
Roof Terrace Details

Purpose of Issue **Construction** Scale at A0

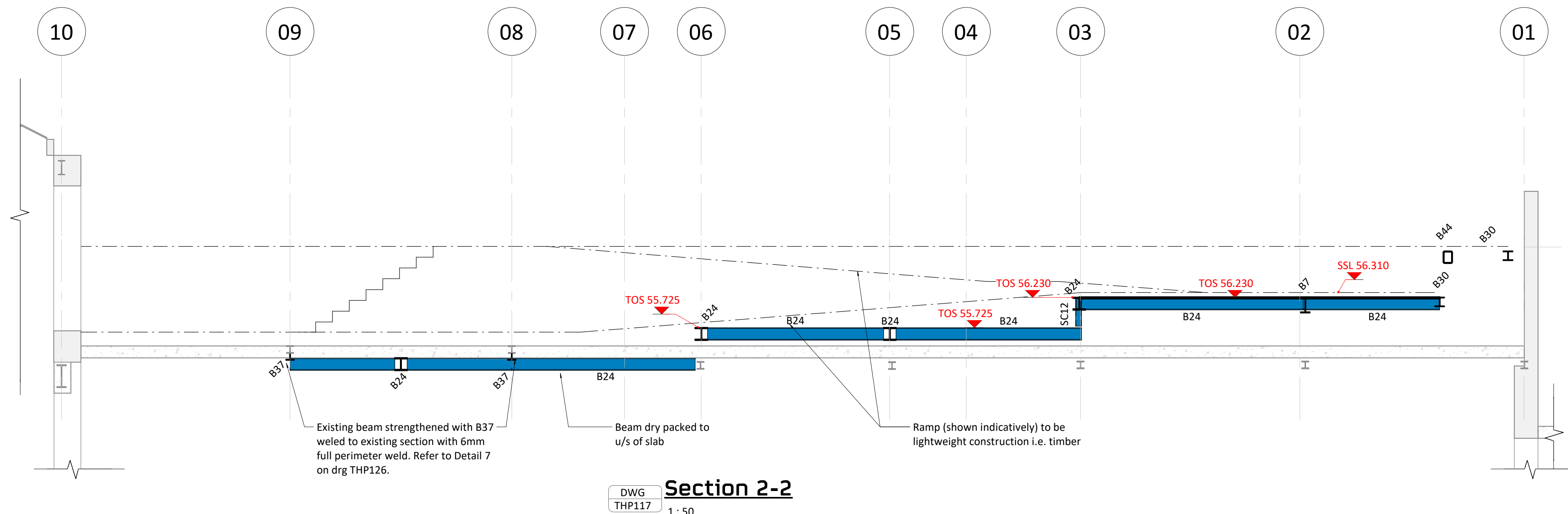
Drg No **1862/THP126** Rev **C1**



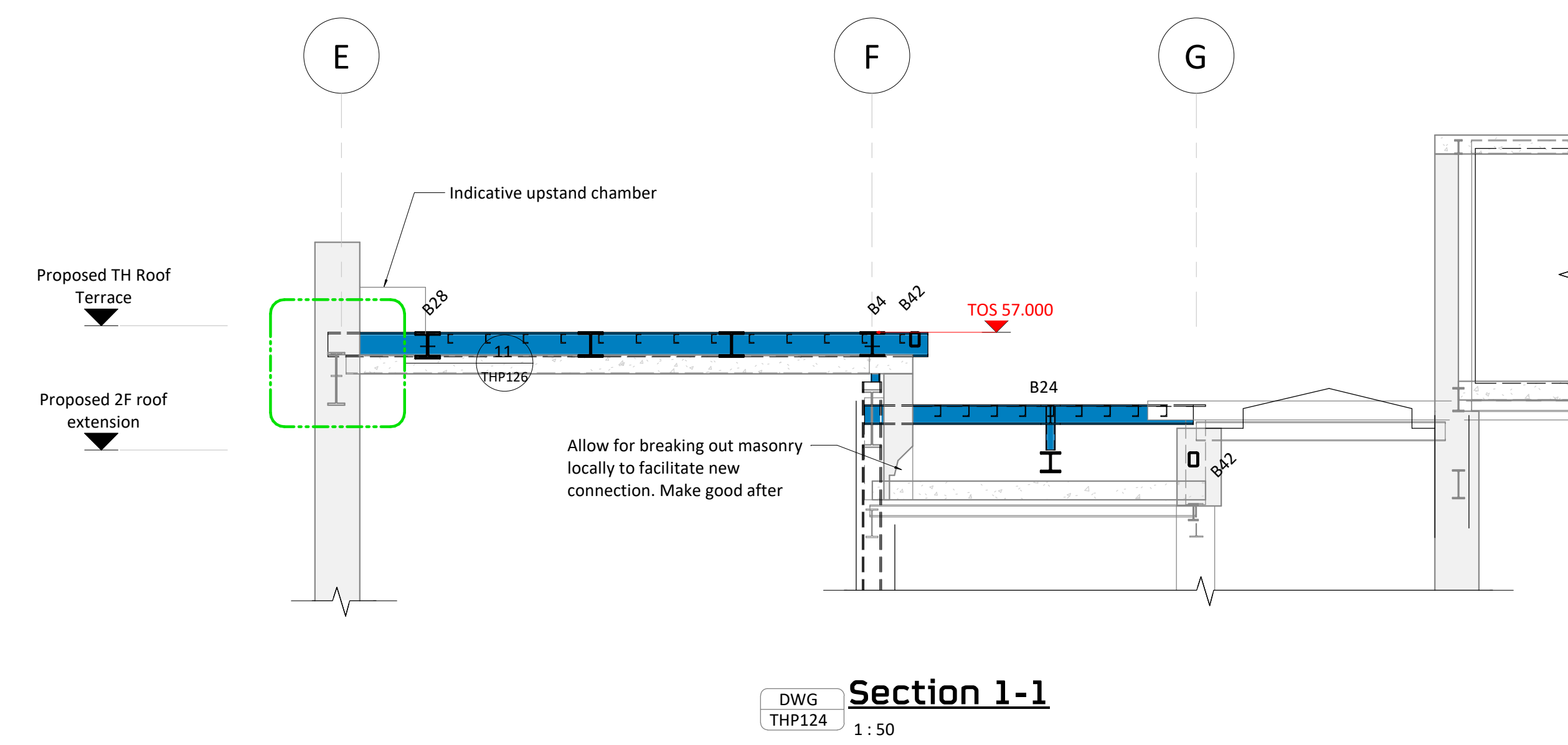
DWG
THP120
1:50
Proposed TH 2nd Floor - High Level



DWG
THP120
1:50
Proposed TH 2nd Floor - Low Level



DWG
THP117
1:50
Section 2-2



DWG
THP124
1:50
Section 1-1

- 100mm @ A0 (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.
 - All proposed steelwork to the terrace to be blast cleans to B5 EN ISO 8501-1 and galvanised to a thickness of 140 micrometres.

Timber joists to service class 2

Column Schedule	
SC1 203x133x30 UB	SC12 100x100x10 SHS
SC2 203x203x46 UC	SC14 203x203x113 UC
SC3 200x100x10 RHS	SC16 180x180x10 SHS
SC4 152x152x23 UC	SC17 350 x 350mm
SC5 254x254x73 UC	SC18 UC254x254x89
SC7 152x152x30 UC	STR1 2No 10mm plates
SC8 203x203x60 UC	welded to existing columns
SC10 90x90x10 SHS	
SC11 200x120x6.3 RHS	

Beam Schedule

B1 152x152x30 UC	B26 254x102x25 UB
B2 180x90x26 PFC	B27 250x200x12.5 RHS
B3 245x146x37 UB	B28 254x254x132 UC
with 150x90x10 UEA stitch welded to web with 100mm long 6mm CFW at 300 c/c	B29 203x133x25 UB
B4 254x254x73 UC	B30 152x152x23 UC
B5 203x133x30 UB	B31 230x90x32 PFC
B6 200x90x30 PFC	B32 260x90x35 PFC
B7 254x146x37 UB	B33 430x100x64 PFC
B8 305x165x40 UB	B34 254x146x31 UB
B9 203x203x46 UC	B36 305x305x97 UC
B10 200x100x10 RHS	B37 TUB133x102x13
B11 UC152x152x30 w/ bottom plate	B38 RH530x150x10
B12 203x203x46 UC with 300mm wide x 10mm thk steel plate welded to underside of bottom flange with 100mm long 6mm CFW at 300 c/c	B40 356x127x33 UB
B13 203x203x71 UC	B41 125x65x15 PFC
B14 300x200x12.5 RHS	B42 150x100x8 RHS
B15 254x254x107 UC	B43 254x254x89 UC
B16 203x203x8 UC	B44 200x150x10 RHS
B18 254x102x22 UB	B45 UB356x171x57
B20 305x305x118 UB	B47 406x140x39 UB
B22 203x203x52 UC	B48 356x368x129 UC
B23 203x102x23 UB	B49 UB305x165x54
B24 203x203x60 UC	B50 UB356x171x67
B25 305x305x158 UC	B51 100x100x5 SHS
	B52 RH520x120x8
	B54 RH5250x150x8
	B55 UC152x152x37
	B56 254x254x73 UC with 10mm plate welded to bottom flange
	BR1 100x10 MS Flat Bracing
	EA1 100x100x10 EA
	UEA1 150x90x10 UA

Floor Schedule

Concrete	Profiled	Timber	Glass
Floor	deck	Floor	Floor
1	200 thk RC slab		
2	150 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 6.0 1.0 mm gauge deck with A153 mesh top and 1 no. H10 bar per trough		
7	210 thk profiled NWC slab on TATA Comflor 100 1.2 mm gauge deck with A252 mesh top and 1 no. H12 bar per trough. Allow a single prop to slab mid span		
8	250 d x 63 w C16 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		
10	100x50x10 PFC joists at 400 crs		
11	125x65x15 PFC joists at 400 crs		
16	150 thk Bison hollow core slab or similar approved		
18	30mm approx proprietary open mesh floor		
19	250 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill		
20	200 d x 63 w C24 joists at 300 crs with 18 thk plywood screwed to top face of joists		
23	250 thk WRC slab in fill		
24	130 thk profiled LWC slab on TATA Comflor 6.0 1.0 mm gauge deck with A393 mesh top and 1 no. H10 bar per trough		
25	350 thk WRC ground bearing slab on 50mm blinding and 150 compacted type 1 fill		
E1	Existing 200 thk RC slab		

Legend	
	Proposed RC structure
	Proposed WRC structure
	Proposed Steel Framing
	PSX
	ST
	M
	B1 (25mm)
	Timber
	Wall Plate
	Connection Strengthening
	Crank
	S
	TB
	Thermal Break
	BR
	Break in beam
	DI
	Double joist

C1	10.05.21	IRS	BW	Construction Issue
W4	08.04.21	IRS	BW	Work in Progress
W3	05.02.21	IRS	BW	Work in Progress
W2	22.01.21	IRS	BW	Work in Progress
W1	09.04.20	IRS	COR	Work in Progress
Rev	Date	By	Eng	Amendments

HEYNE TILLET STEEL

Job Name
Hornsey Town Hall
N8 9JJ
Block: Town Hall
Drawing Title
Proposed Assembly Roof Terrace Plans

Purpose of Issue **Construction** Scale at A0

Drg No **1862/THP124** Rev **C1**