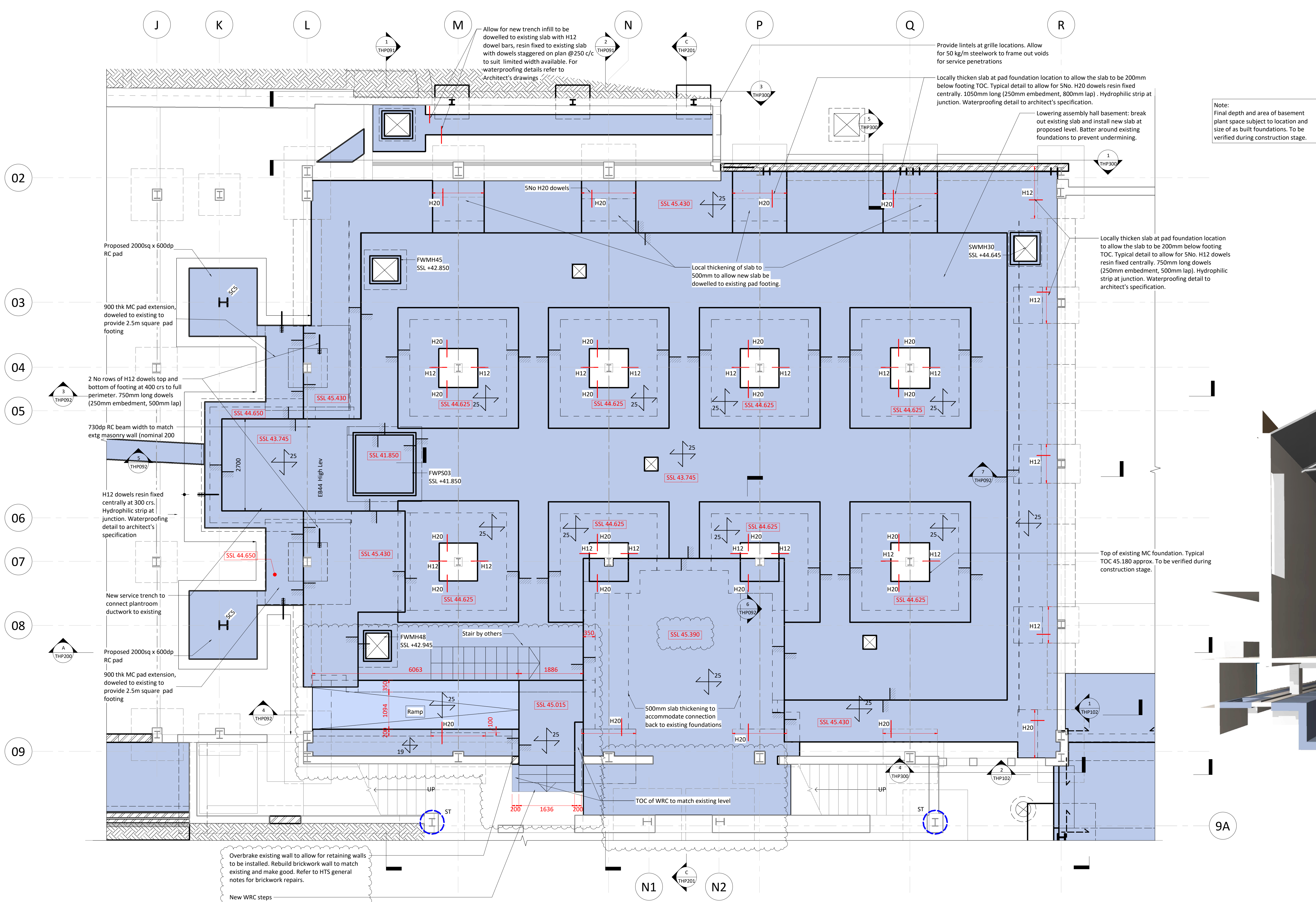
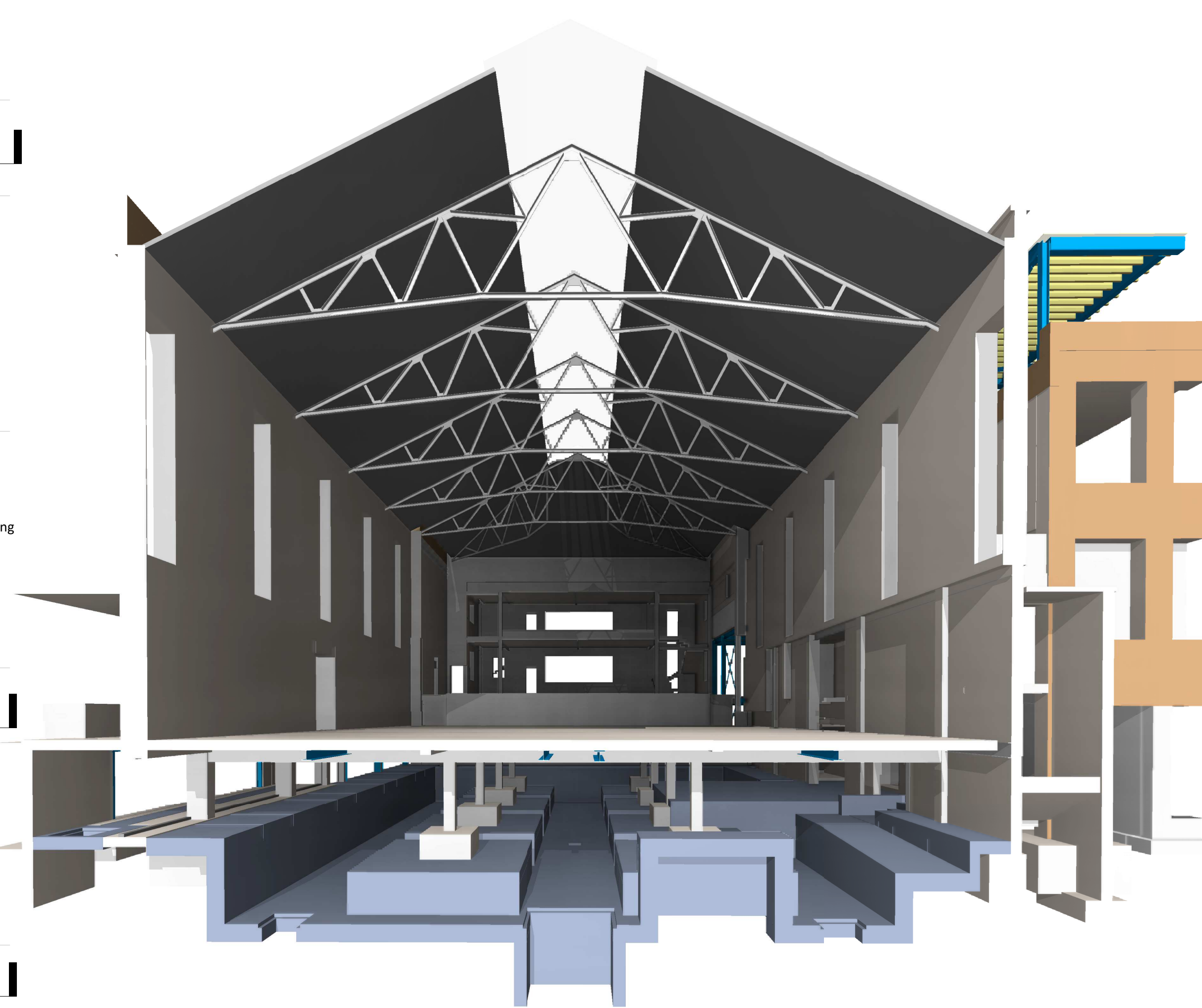
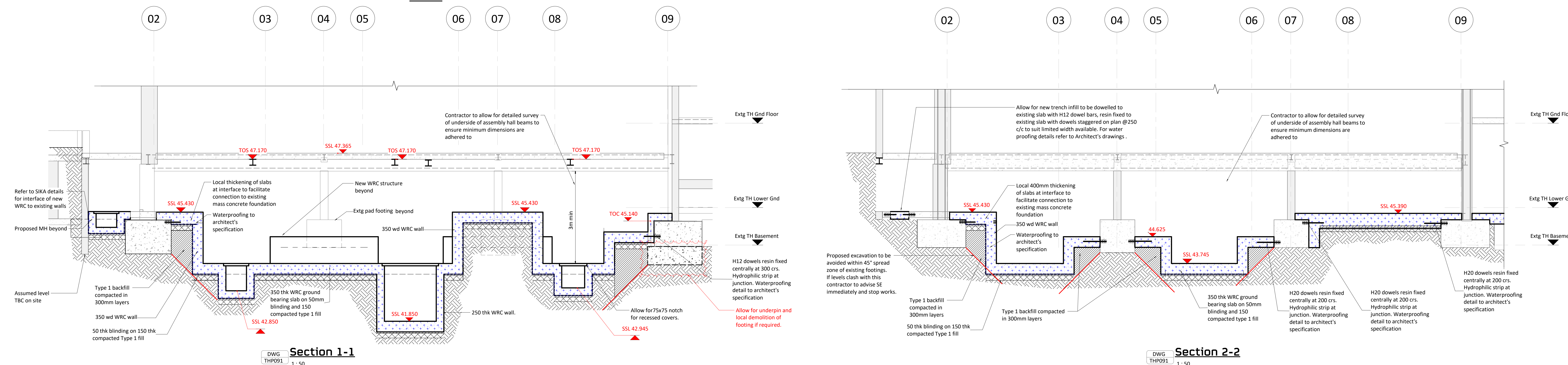




P1 - Assembly Hall Basement Plant Room



View on Proposed Assembly Hall Plantroom



Section 1-1

Section 2-2

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

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

B7

254x146x37 UB

B8

305x165x40 UB

B9

203x203x46 UC

B10

200x100x10 RHS

B12

203x203x46 UC

B13

203x203x73 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

150x200x12.5 RHS

B29

203x133x25 UB

B30

152x152x23 UC

B31

230x90x32 PFC

B32

260x90x35 PFC

B33

430x100x64 PFC

B34

254x146x31 UB

B36

305x305x97 UC

B37

TUB133x34x02x13

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

B81

100x10 MS Flat Bracing

EA1

100x100x10 EA

UEA1

150x90x10 UA

Floor Schedule

Concrete 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 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 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

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

21

225d x 63w C14 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

PSK

PS1 - 450lg x 215wd x 150dp MC padstone

PS2 - 600lg x 215wd x 215dp MC padstone

ST

Connection Strengthening

M

Moment connection

B1 / 25mm

Pre-camber

Timber

Wall Plate

C

Crank

S

Splice

TB

Thermal Break

BR

Break in beam

DJ

Double joint

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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	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 welded to existing columns
SC8	203x203x60 UC		
SC10	90x90x10 SHS		
SC11	200x120x6.3 RHS		

Beam Schedule

B1	152x152x30 UC	B24	203x203x60 UC
B2	180x90x26 PFC	B25	305x305x158 UC
B3	245x146x37 UB with 150x90x10 UEA stitch welded to web with 100mm long 6mm CFW at 300 c/c	B26	254x102x25 UB
B4	254x254x73 UC	B27	250x200x12.5 RHS
B5	203x133x30 UB	B29	203x133x25 UB
B6	200x90x30 PFC	B30	152x152x23 UC
B7	254x146x37 UB	B31	230x90x32 PFC
B8	305x165x40 UC	B32	260x90x35 PFC
B9	203x203x46 UC	B33	430x100x64 PFC
B10	200x100x10 RHS	B34	254x146x31 UB
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	B36	305x305x97 UC
B13	203x203x71 UC	B37	TUB133x102x13
B14	300x200x12.5 RHS	B38	RHS350x150x10
B15	254x254x107 UC	B40	356x127x33 UB
B16	203x203x86 UC	B41	125x65x15 PFC
B18	254x102x22 UB	B42	150x100x8 RHS
B20	305x305x118 UC	B43	254x254x89 UC
B22	203x203x52 UC	B44	200x150x10 RHS
B23	203x102x23 UB	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 UEA

Floor Schedule

	Concrete Floor	Deck	Timber Floor	Glass Floor	X
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 Comfloor 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 Comfloor 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				
16	150 thk Bison hollow core slab or similar approved				
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				
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 Comfloor 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
	PSK - 450lg x 215wd x 150dp MC padstone
	ST - 600lg x 215wd x 215dp MC padstone
	Strengthening
	C - Crank
	S - Splice
	TB - Thermal Break
	BR - Break in beam
	DJ - Double joist
	B1 (25mm) - Pre-camber
	Timber
	Wall Plate

C2	17.11.20	IRS	COR	Construction Issue
C1	28.08.20	IRS	COR	Construction Issue
W1	06.11.19	SLS	LB	Work in Progress
Rev	Date	By	Eng	Amendments

**HEYNE
TILLET
STEEL**

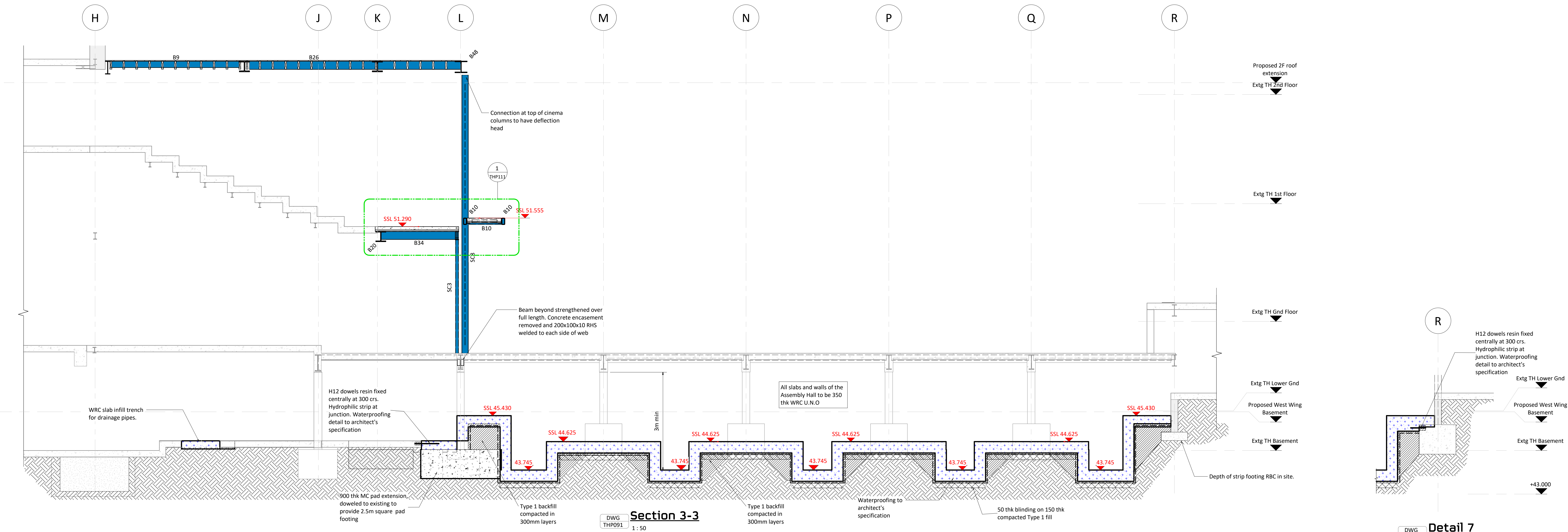
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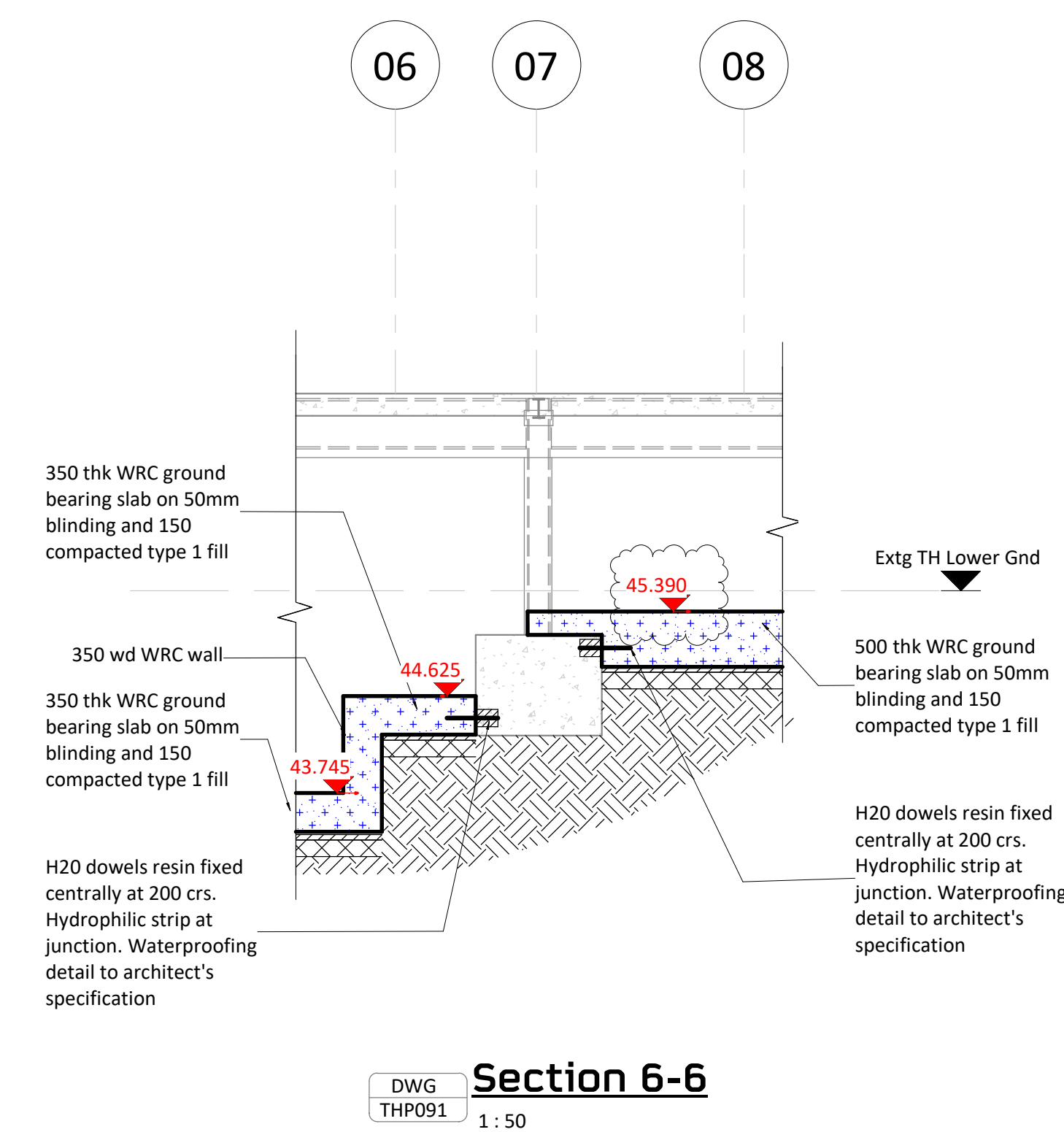
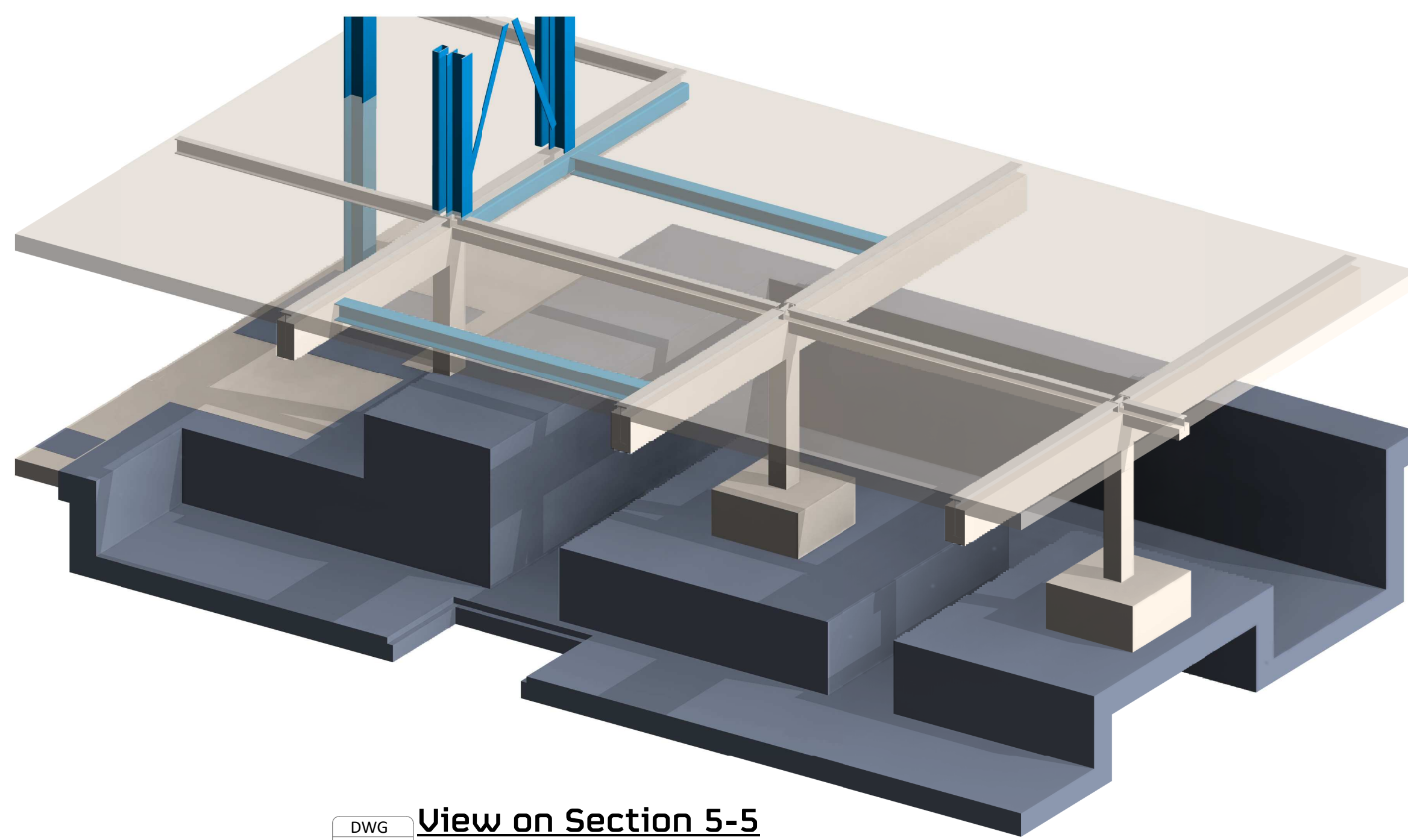
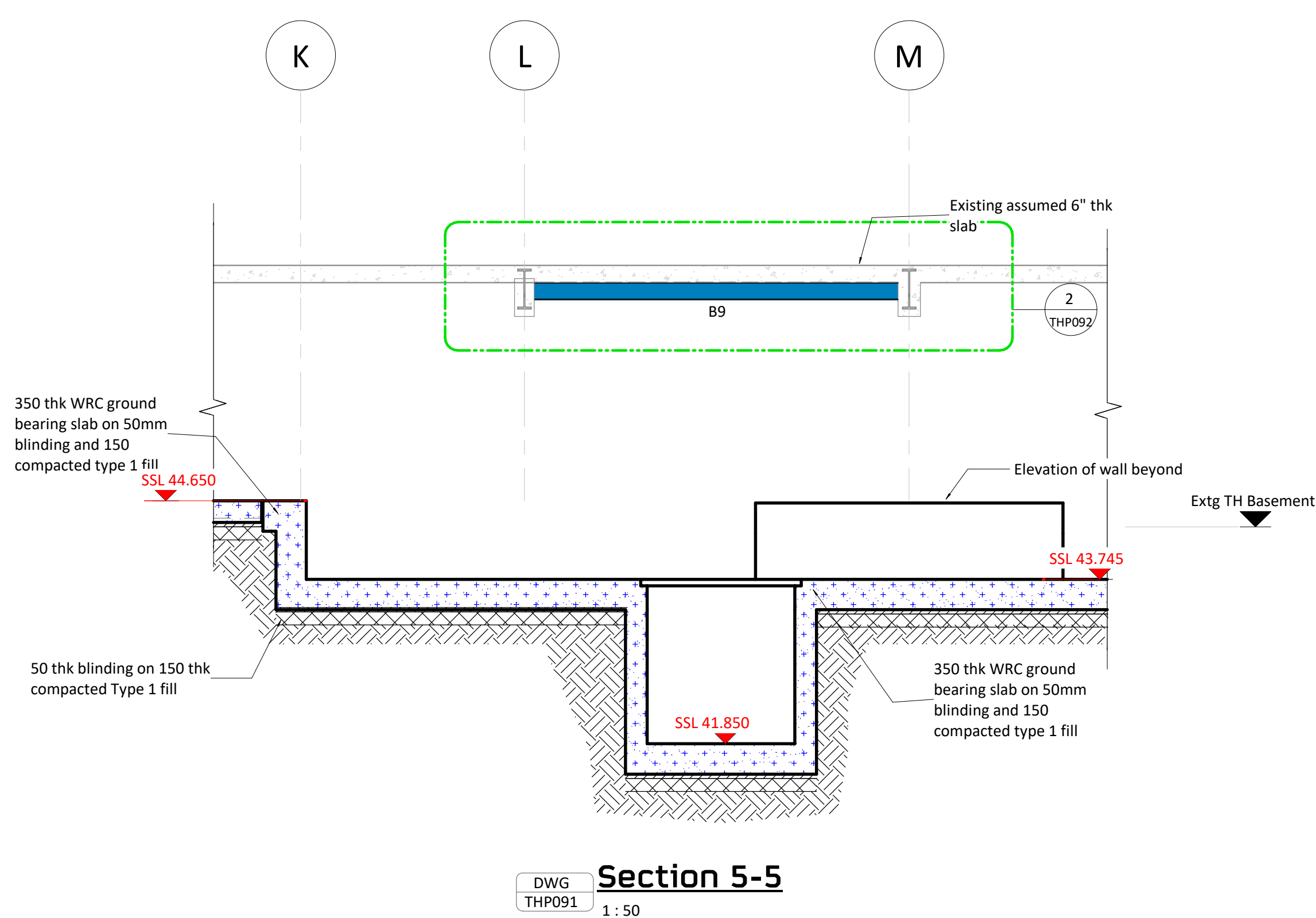
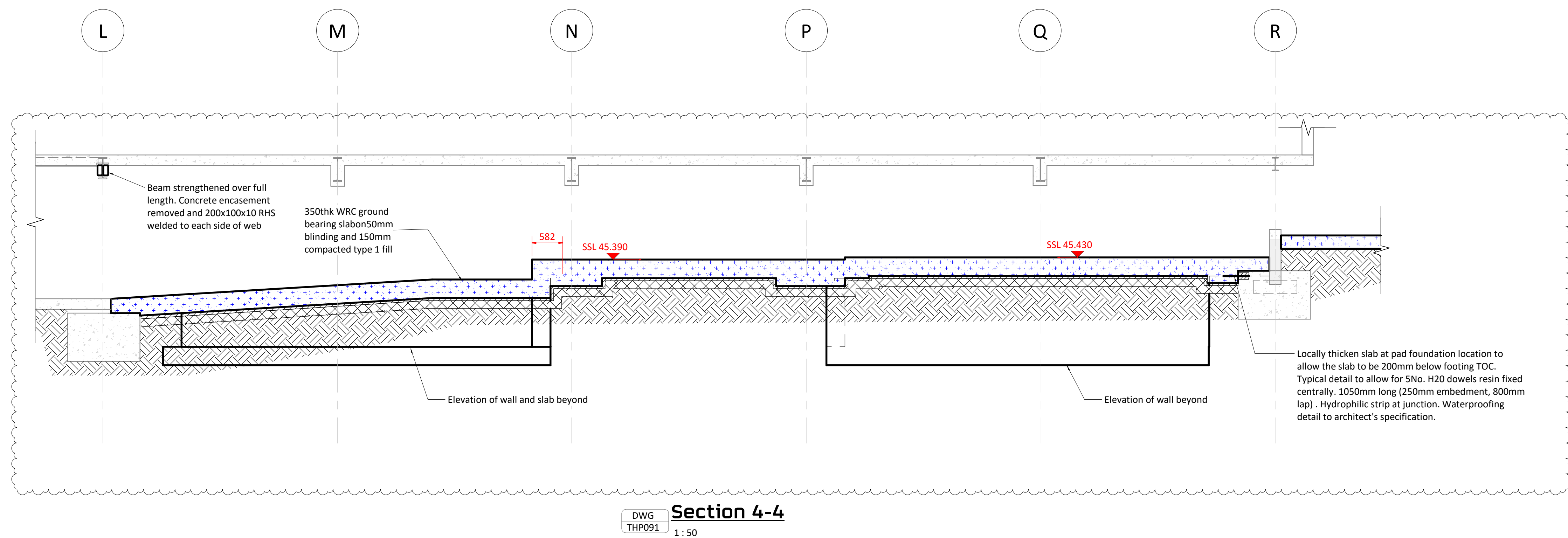
Job Name
**Hornsey Town Hall
N8 9JJ**
Block: Town Hall
Drawing Title
**Proposed Assembly Hall
Basement Plantroom
Sections**

Purpose of Issue **Construction** Scale at A0 **As indicated**

Drg No **1862/THP092** Rev **C2**



Detail 7
DWG THP091 1:50





- Purpose of Issue **Construction** Scale at A0 **As indicated**
 Drg No **1862/THP093** Rev **C3**