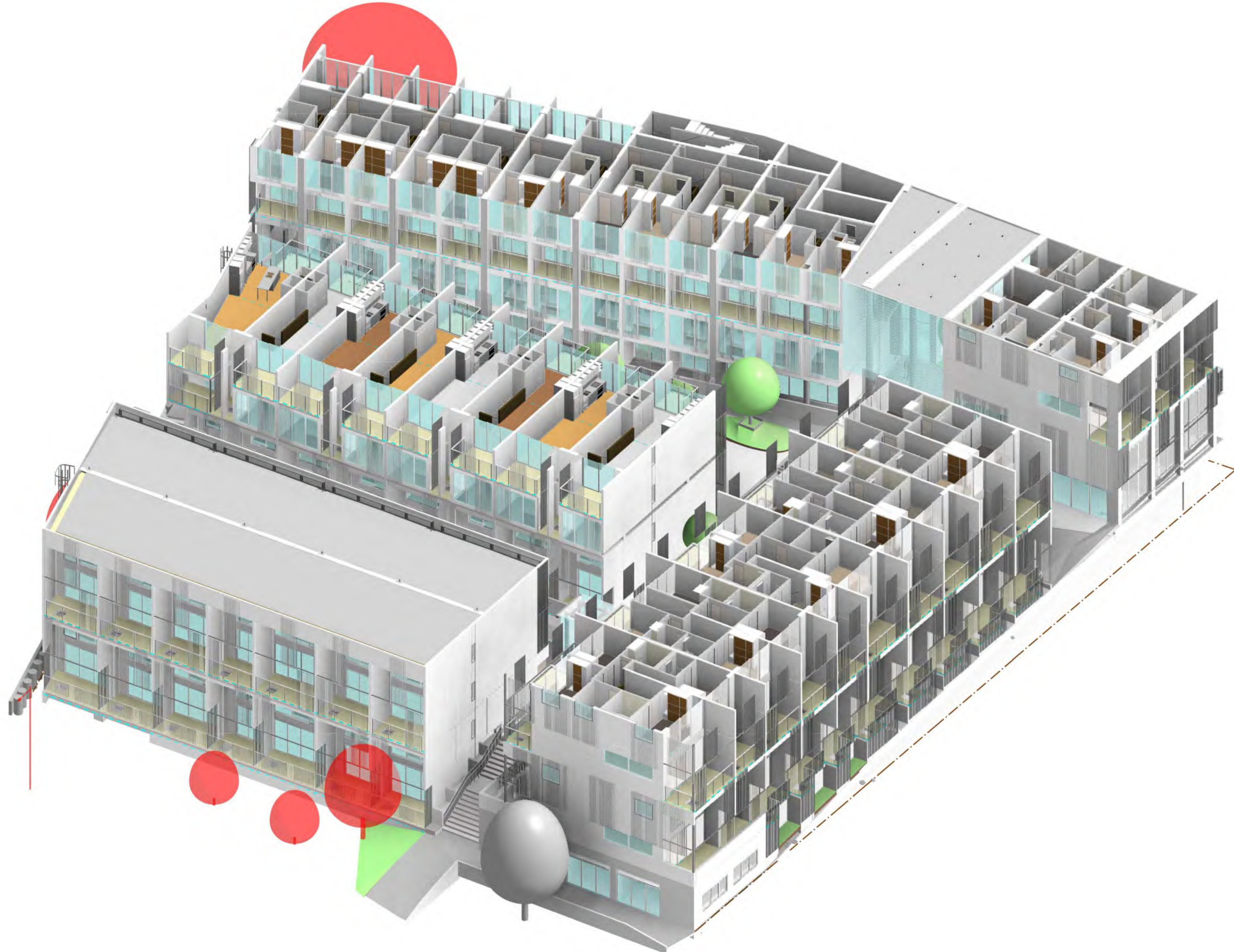
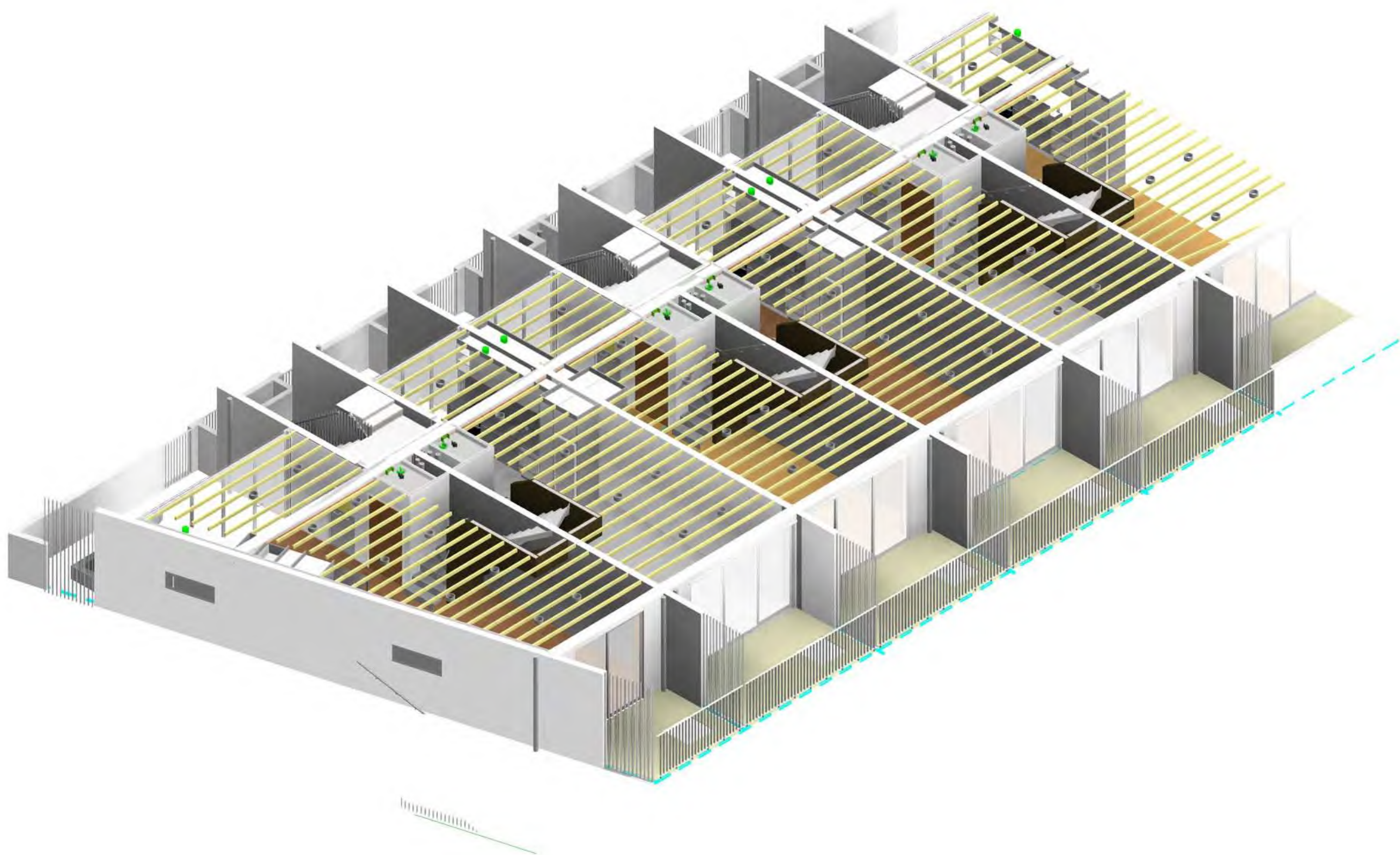
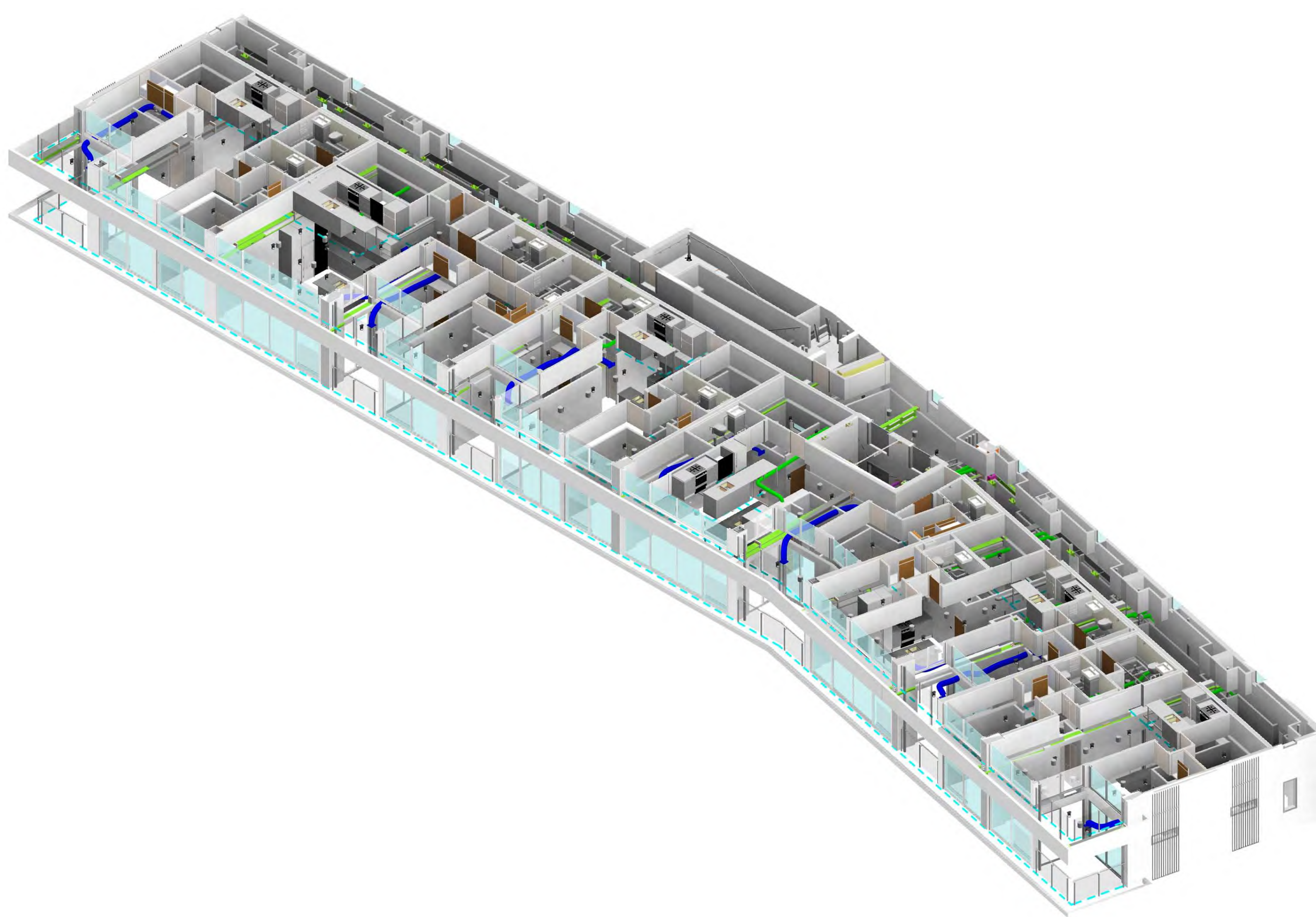
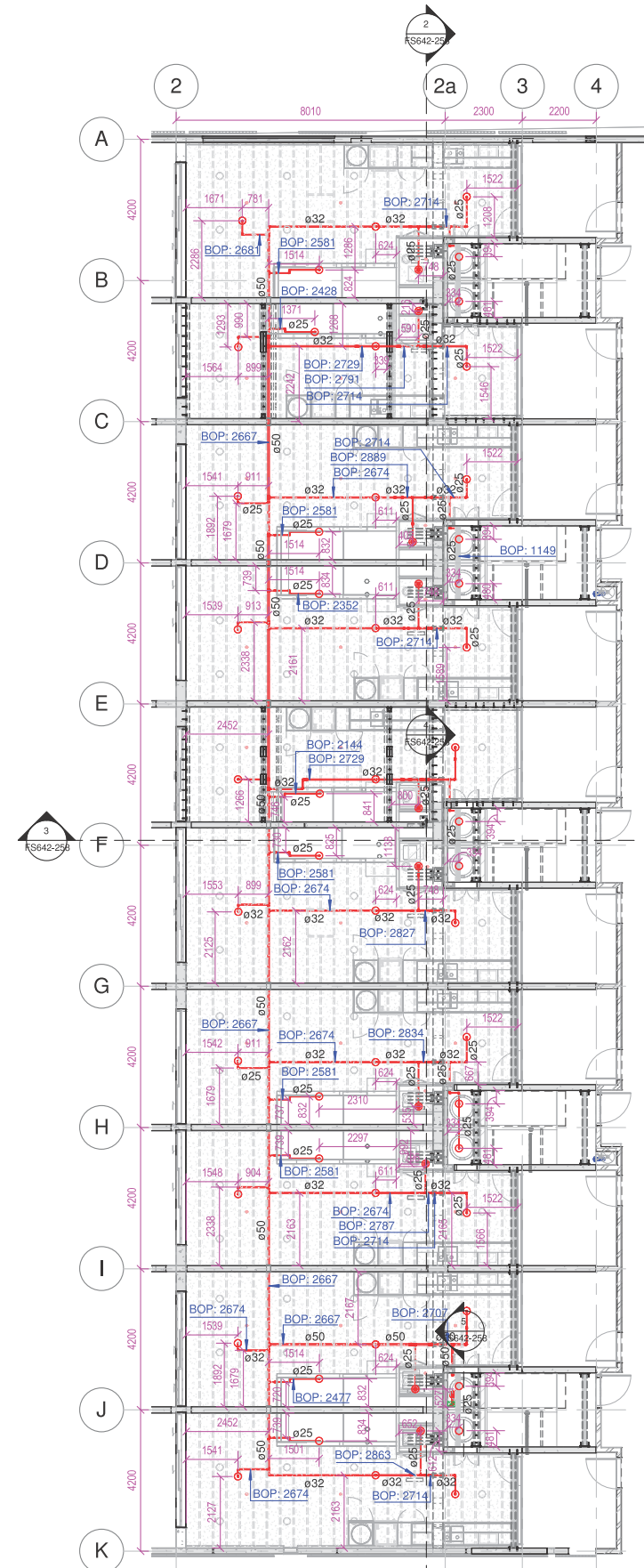




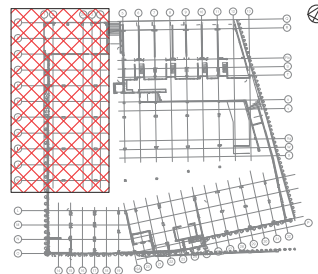




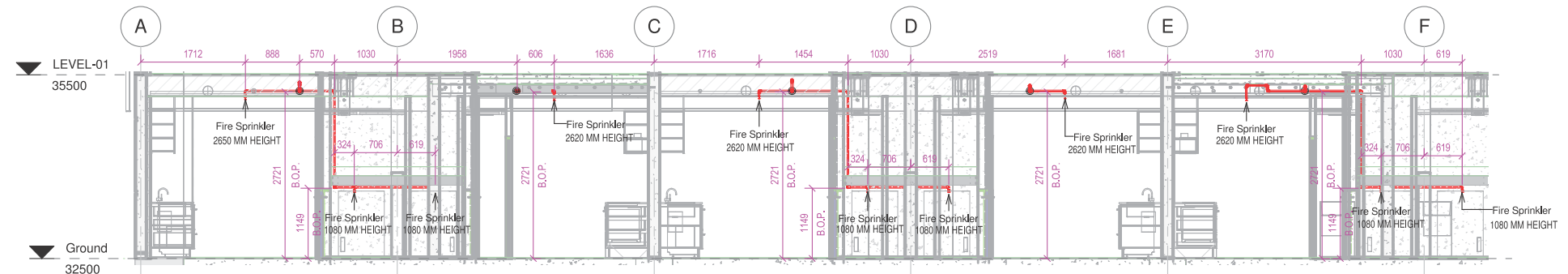




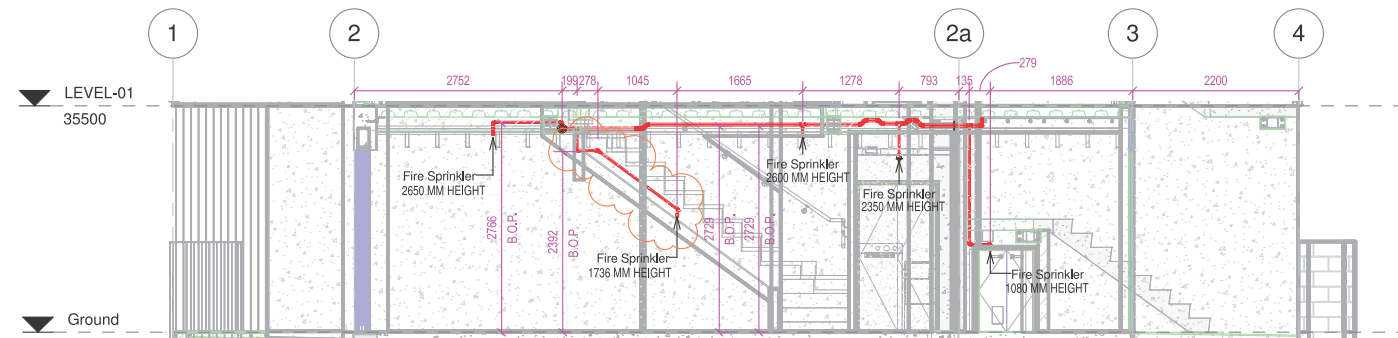
1 FIRE PROTECTION GROUND FLOOR BLOCK -A
1 : 100



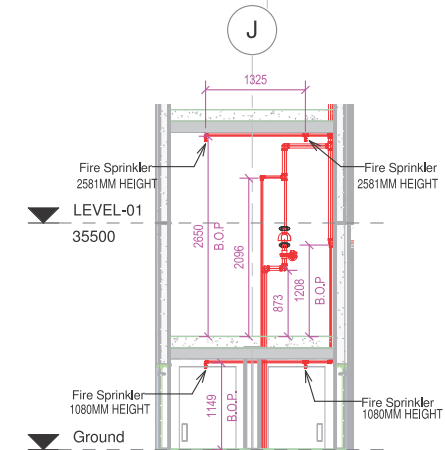
KEY PLAN



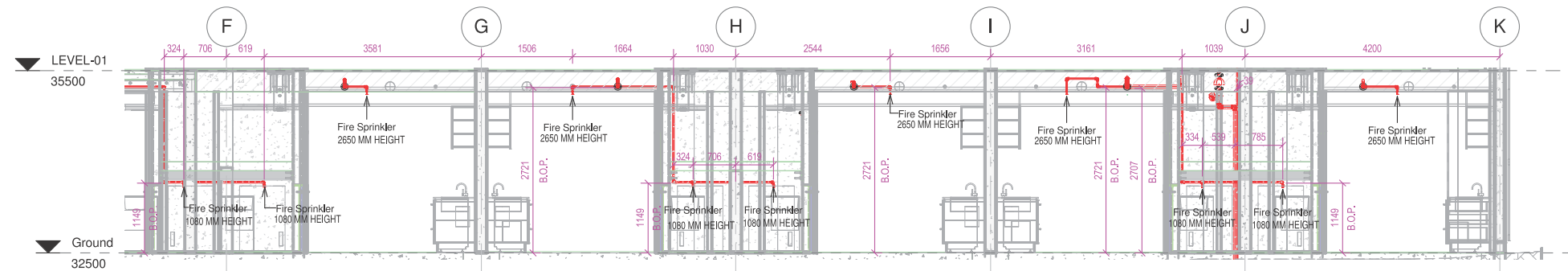
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3 Section-AC1
1 : 50



5 Section 5
1 : 50



4 Section-AA 4
1 : 50

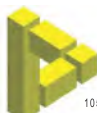
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revisions			
no.	date	issue/revision details	
1	19/06/2018	For Approval	
0	22/05/2018	For Approval	

notes
This set of Fire Protection drawings include the sprinkler system design only. The fire alarm design, along with all associated components shall be carried out as part of a separate contract, by a separate company as discussed.

legend
 ○ 15mm K8 QR Ceiling/roof space sprinkler directly on pipe
 F.C. 15mm K8 QR Fully Concealed Corrosion resistant sprinkler
 ● 15mm K8 QR Semi recessed sprinkler
 Ø Outer Diameter Pipe

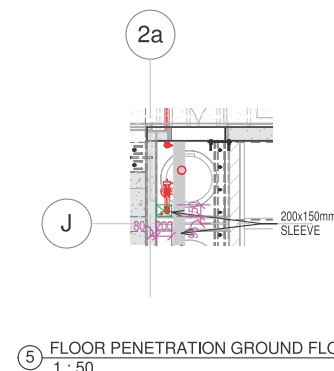
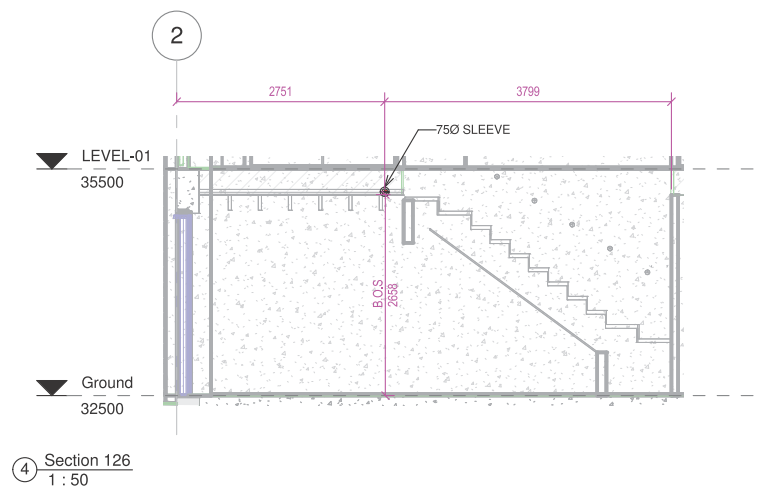
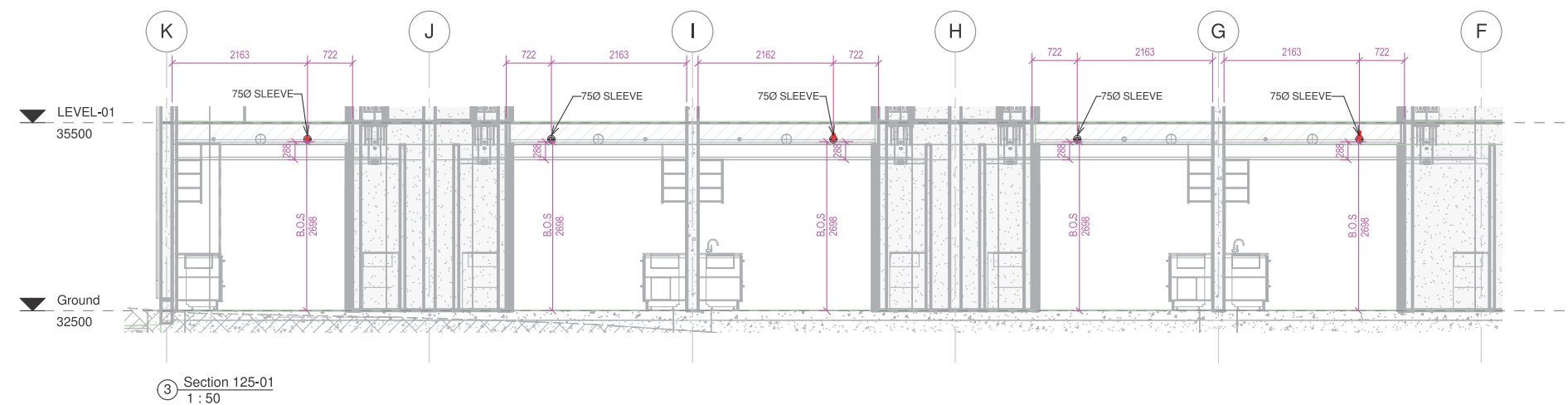
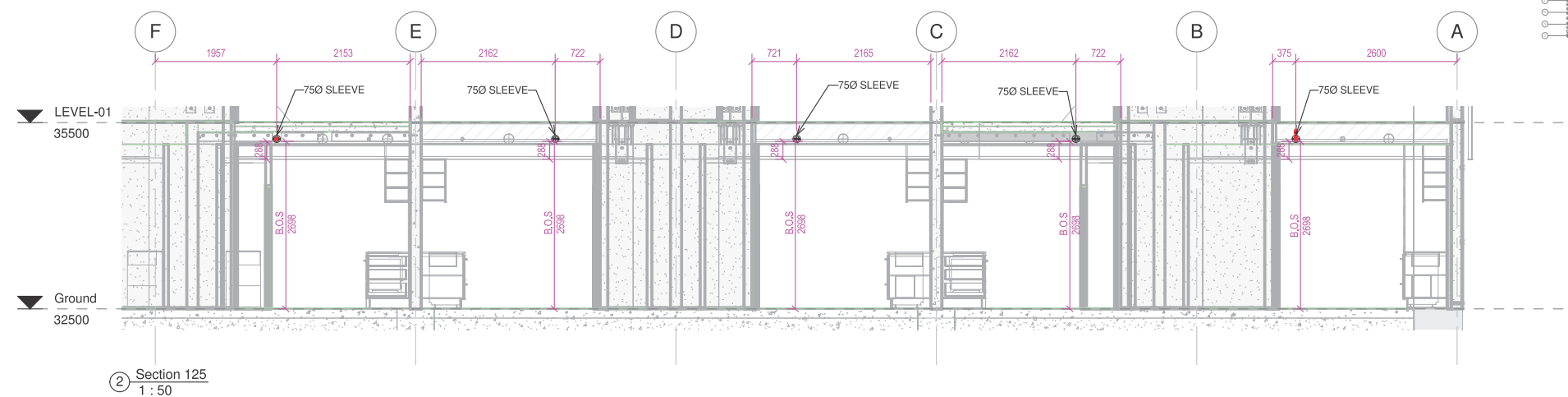
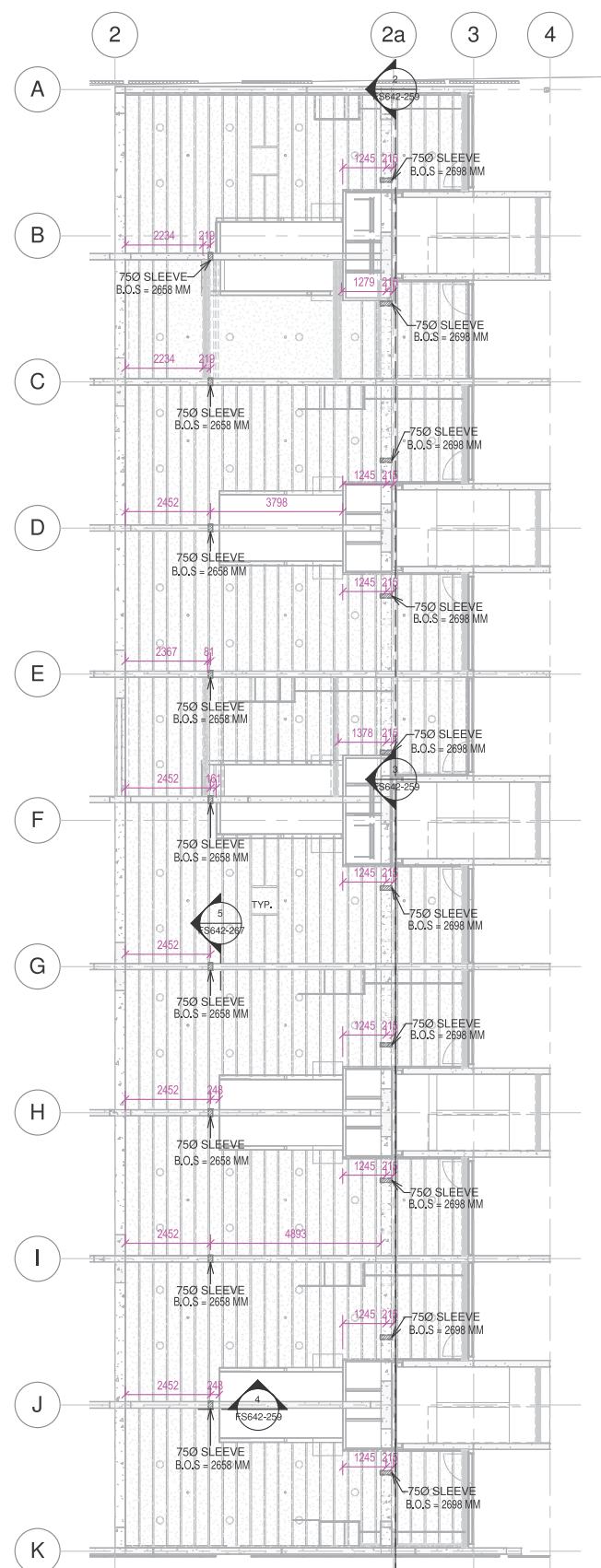
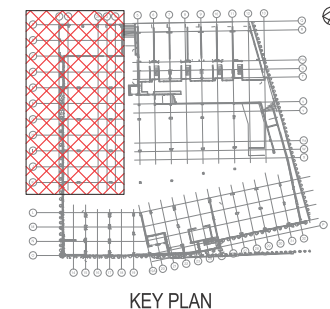
consultants	
project manager	Ebert Construction
architect	WSP
fire engineer	
structural engineer	
civil engineer	
mechanical engineer	
electrical engineer	
hydraulic engineer	
refrigeration engineer	
other	

fire protection consultant

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client
 Union Green
 39-47 Union Street
 Auckland Central

project
 Union Green
 39-47 Union Street
 Auckland Central

drawing title	
FIRE PROTECTION GROUND FLOOR BLOCK-A LAYOUT & SECTION	
scale A1=As indicated	drawn by Author
drawing number FS642-258	revision 1



① PENETRATION LAYOUT GROUND FLOOR BLOCK -A
1 : 100

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[illegible]

notes

This set of Fire Protection drawings include the sprinkler system design only. The fire alarm design along with all associated components shall be carried out as part of a separate contract, by a separate company as discussed.

legend

consultants	
project manager	Ebert Construction
architect	
fire engineer	WSP
structural engineer	
civil engineer	
mechanical engineer	
electrical engineer	
hydraulic engineer	
refrigeration engineer	
other	

fire protection consultant



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Web: www.protechdesign.co.nz
Email: admin@protechdesign.co.nz

client

project

Union Green
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Auckland Central

drawing title

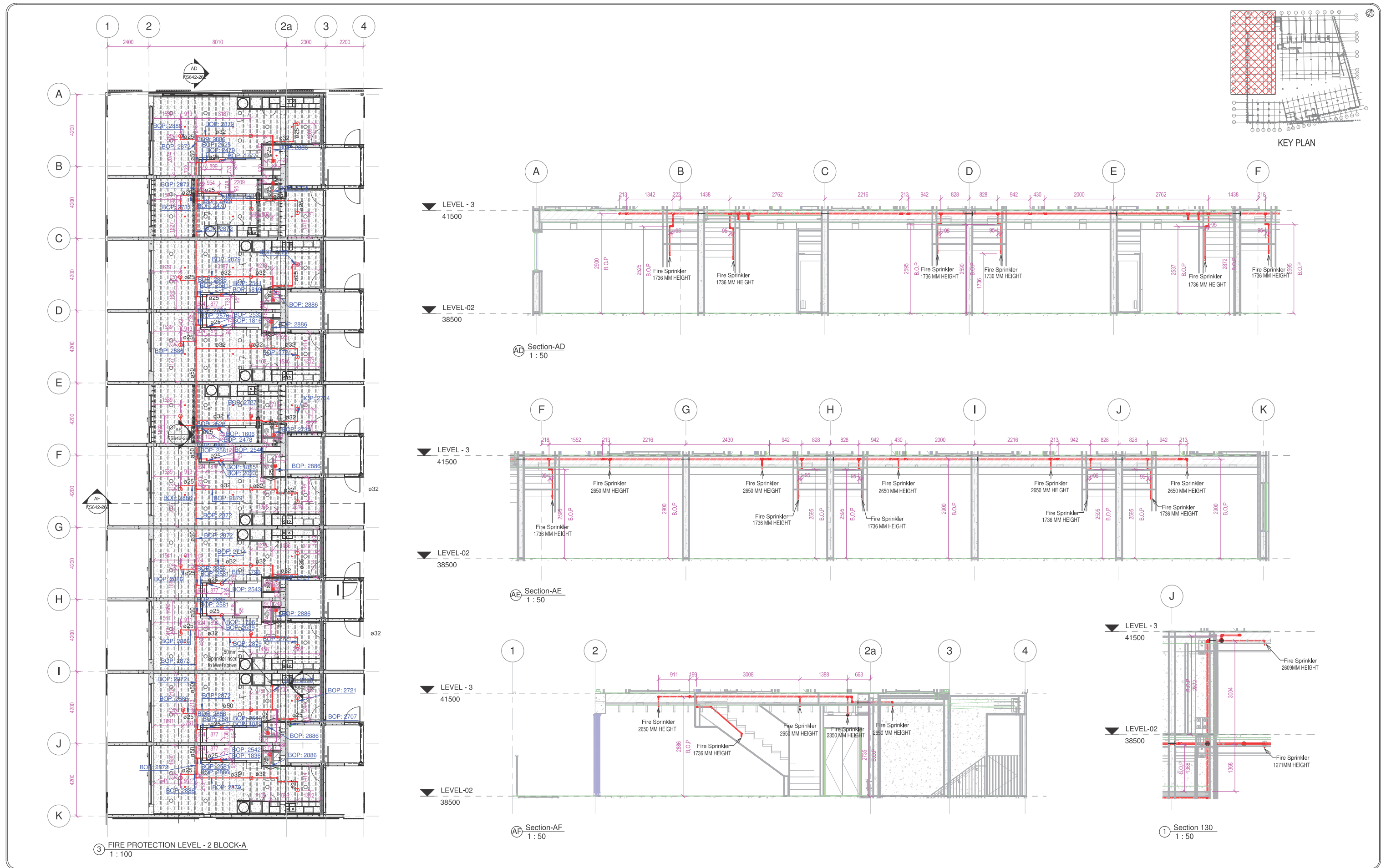
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scale
A1=As indicated

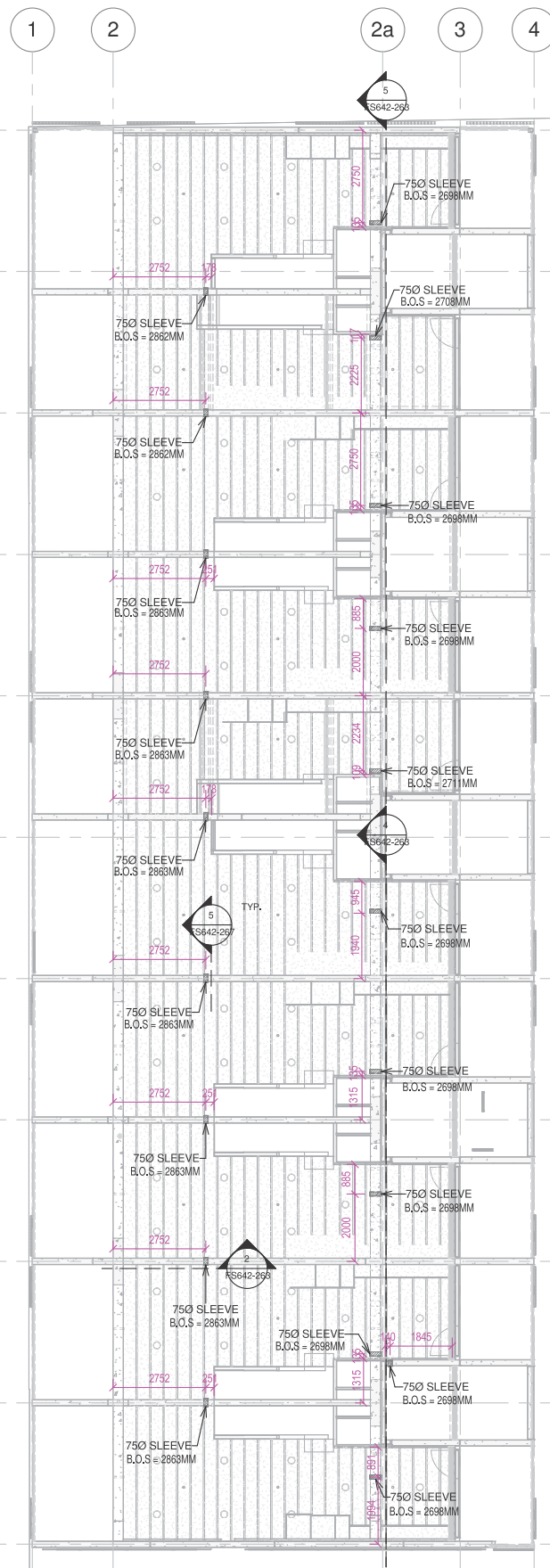
drawing number
FS642-259

	drawn by Author
	revision 0

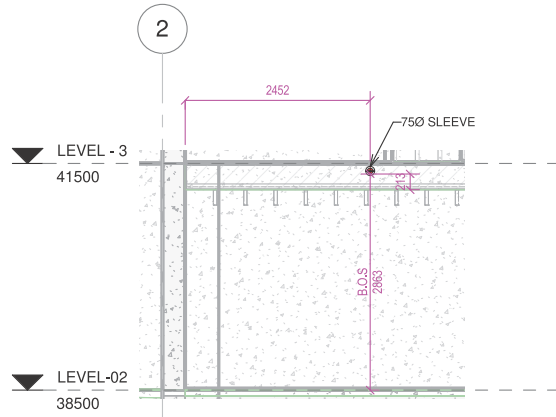
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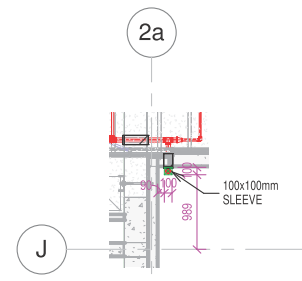
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0	19/06/2018	For Approval																																																																						
no.	date	issue/revision details																																																																						
project manager	Ebert Construction																																																																							
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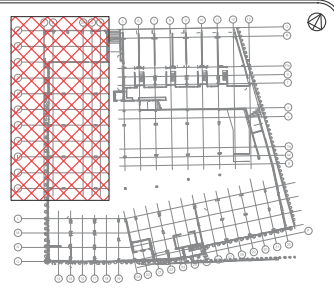
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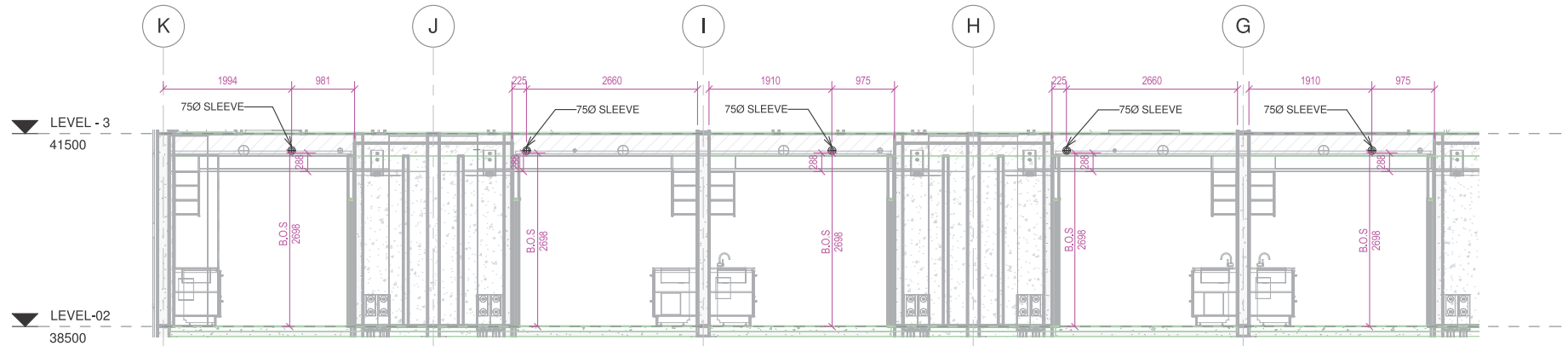
2 Section 124
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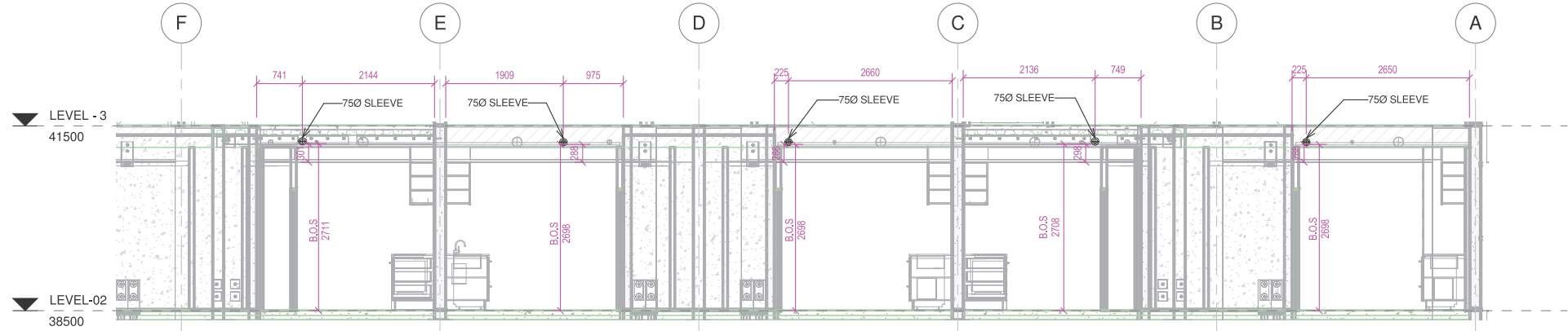
3 FLOOR PENETRATION LEVEL - 2 BLOCK-A
1 : 50



KEY PLAN



4 Section 121
1 : 50



5 Section 121-01
1 : 50

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revisions			
no.	date	For Approval	issue/revision details
0	19/06/2018		

notes
This set of Fire Protection drawings include the sprinkler system design only. The fire alarm design, along with all associated components shall be carried out as part of a separate contract, by a separate company as discussed.

legend

consultants	
project manager	Ebert Construction
architect	WSP
fire engineer	
structural engineer	
civil engineer	
mechanical engineer	
electrical engineer	
hydraulic engineer	
refrigeration engineer	
other	

fire protection consultant

105A Alabama Rd, Papakura 2113
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Auckland, New Zealand
Phone: 64 9 298 4877

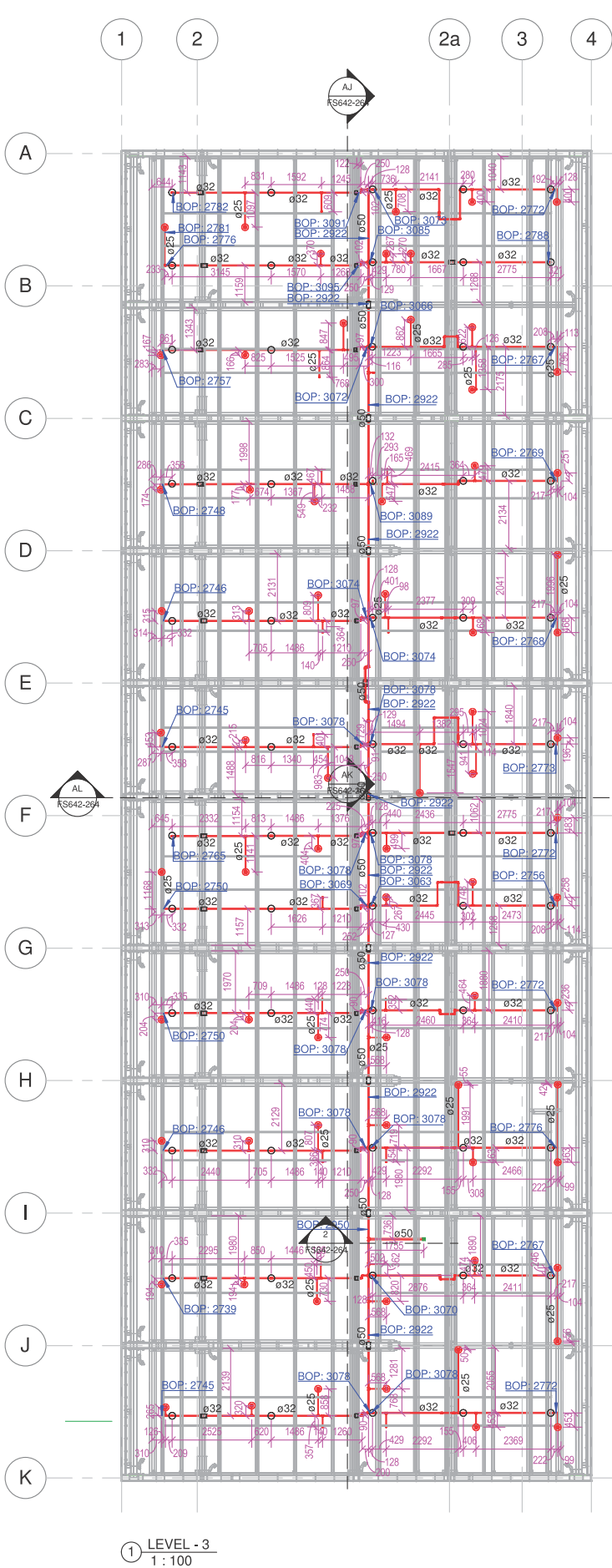
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PO Box 4022, Redwood Village 7242
Blenheim, New Zealand
Phone: 64 3 579 5577

Web: www.protechdesign.co.nz
Email: admin@protechdesign.co.nz

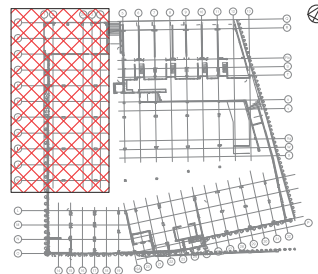
client

project
Union Green
39-47 Union Street
Auckland Central

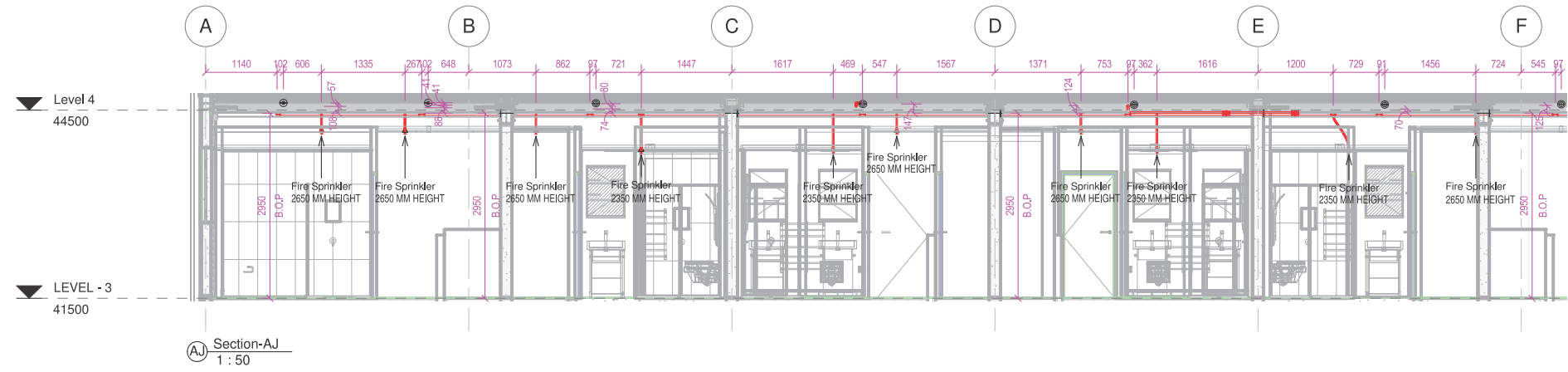
drawing title	
LEVEL-02 PENETRATION LAYOUT & SECTION BLOCK-A	
scale A1=As indicated	drawn by Author
drawing number FS642-263	revision 0



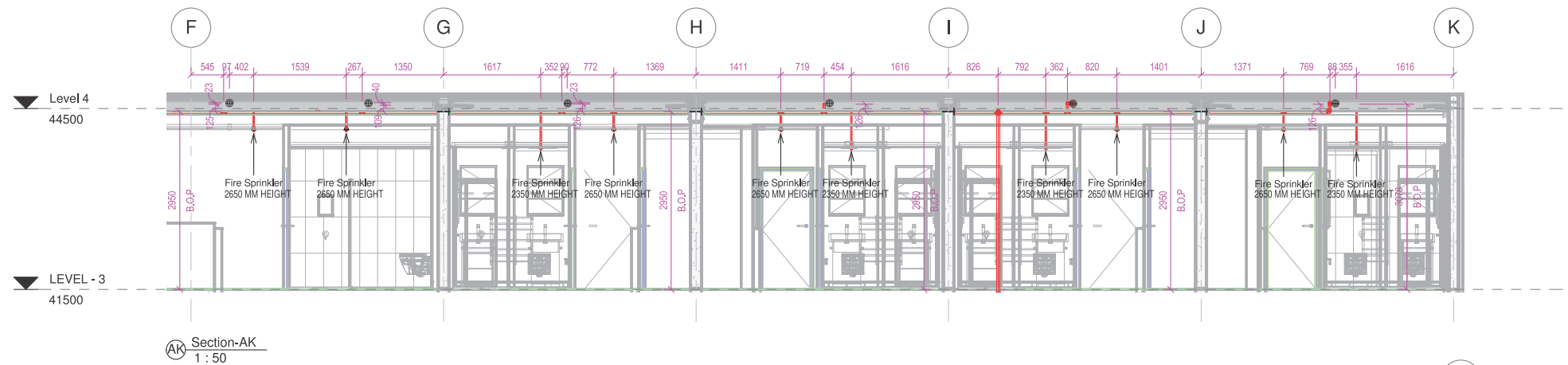
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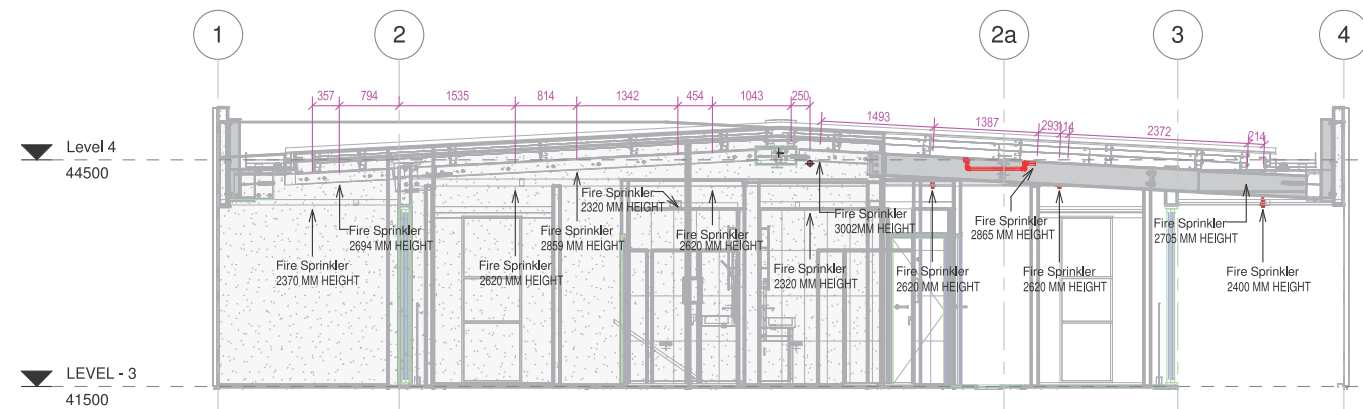
KEY PLAN



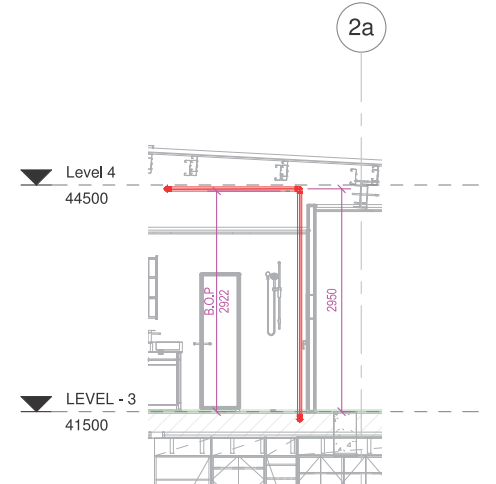
AJ Section-AJ
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AK Section-AK
1 : 50



AL Section-AL
1 : 50



2 Section 128
1 : 50

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0	19/06/2018		

notes

This set of Fire Protection drawings include the sprinkler system design only. The fire alarm design, along with all associated components shall be carried out as part of a separate contract, by a separate company as discussed.

legend

- 15mm K8 QR Ceiling/roof space sprinkler directly on pipe
- 15mm K8 QR Fully Concealed Corrosion resistant sprinkler
- 15mm K8 QR Semi recessed sprinkler
- Outer Diameter Pipe

consultants

project manager	Ebert Construction
architect	
fire engineer	WSP
structural engineer	
civil engineer	
mechanical engineer	
electrical engineer	
hydraulic engineer	
refrigeration engineer	
other	

fire protection consultant

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Blenheim, New Zealand
Phone: 64 3 579 5577
Web: www.protechdesign.co.nz
Email: admin@protechdesign.co.nz

client

Union Green
39-47 Union Street
Auckland Central

project

Union Green
39-47 Union Street
Auckland Central

drawing title

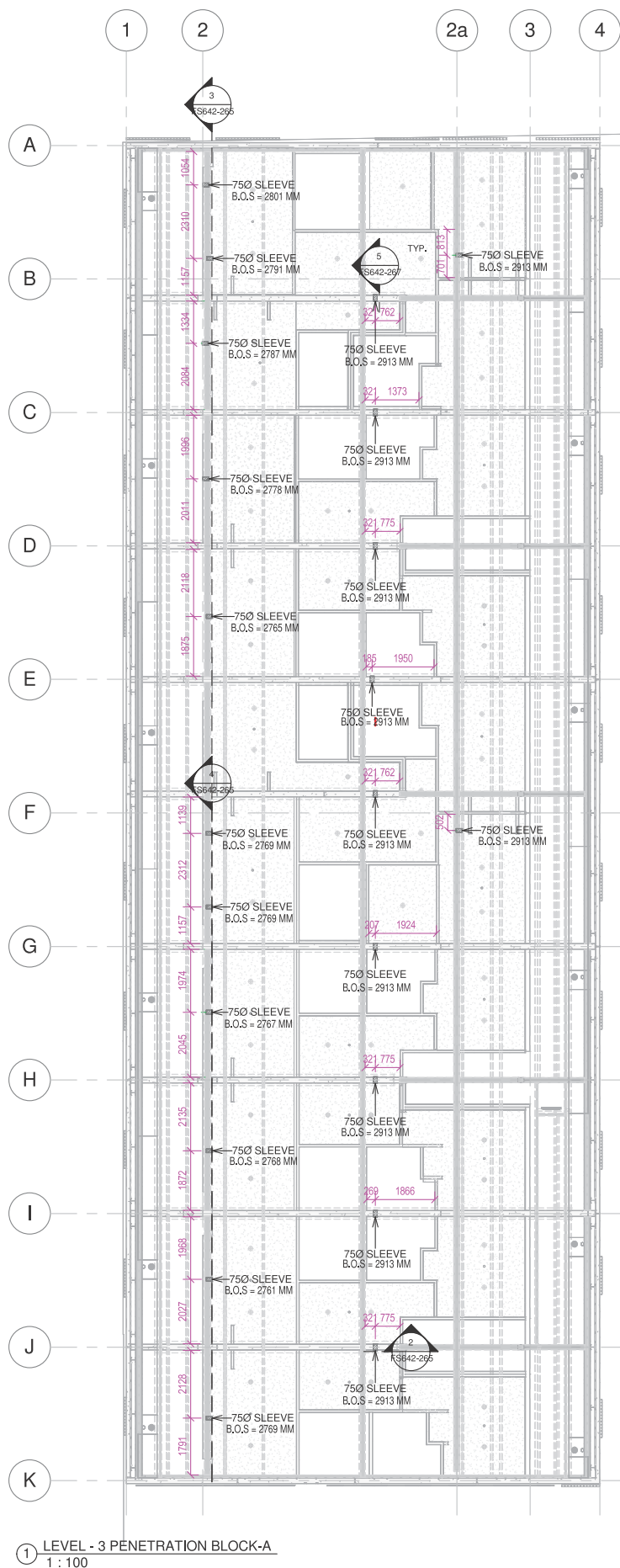
FIRE PROTECTION LEVEL-03
BLOCK-A LAYOUT & SECTION

scale

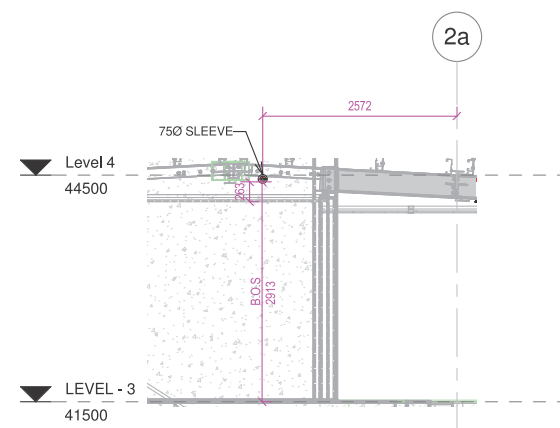
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drawing number
FS642-264

drawn by

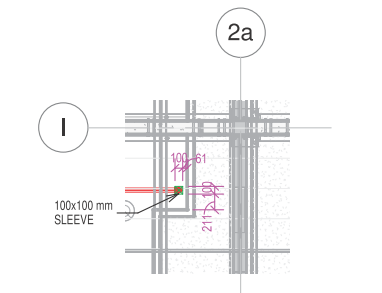
Author
revision
0



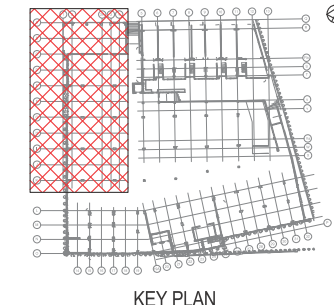
① LEVEL -3 PENETRATION BLOCK-A
1 : 100



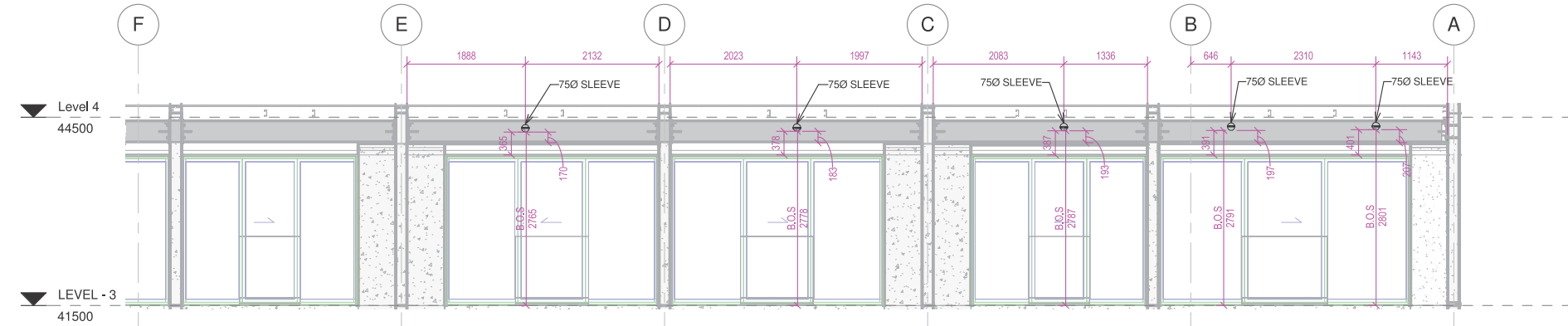
② Section 127
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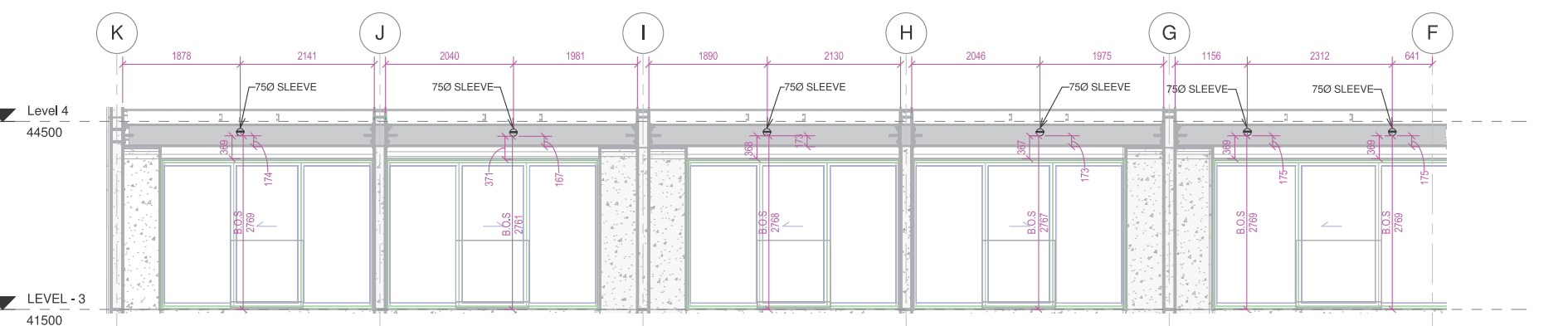
⑤ FLOOR PENETRATION LEVEL -3 BLOCK-A
1 : 50



KEY PLAN



③ Section 17
1 : 50



④ Section 16 Copy 1
1 : 50

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no.	date	For Approval	issue/revision details
0	19/06/2018		

notes
This set of Fire Protection drawings include the sprinkler system design only. The fire alarm design, along with all associated components shall be carried out as part of a separate contract, by a separate company as discussed.

legend

consultants	
project manager	Ebert Construction
architect	WSP
fire engineer	
structural engineer	
civil engineer	
mechanical engineer	
electrical engineer	
hydraulic engineer	
refrigeration engineer	
other	

fire protection consultant



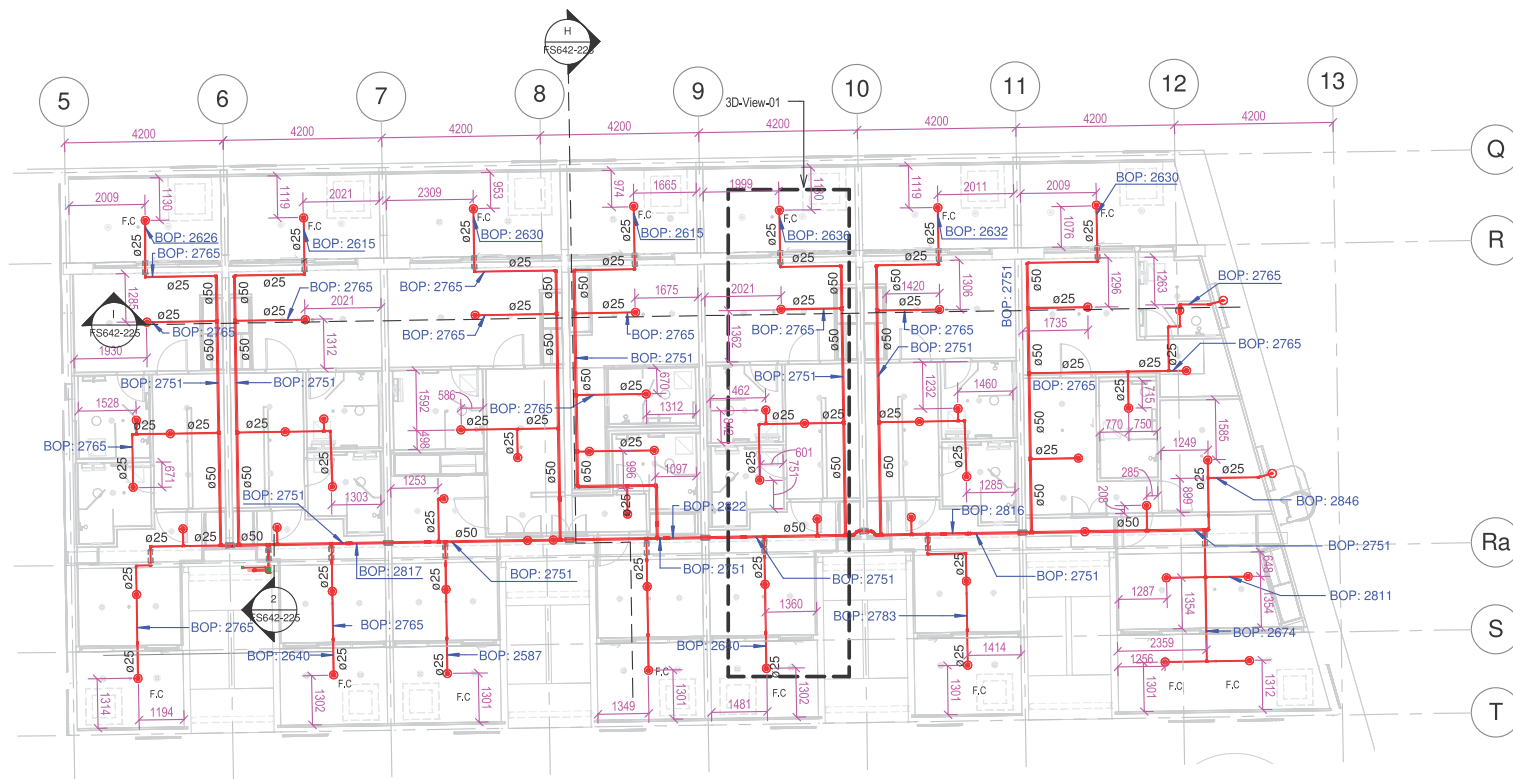
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PO Box 4022, Redwood Village 7242
Blenheim, New Zealand
Phone: 64 3 579 5577
Web: www.protechdesign.co.nz
Email: admin@protechdesign.co.nz

client

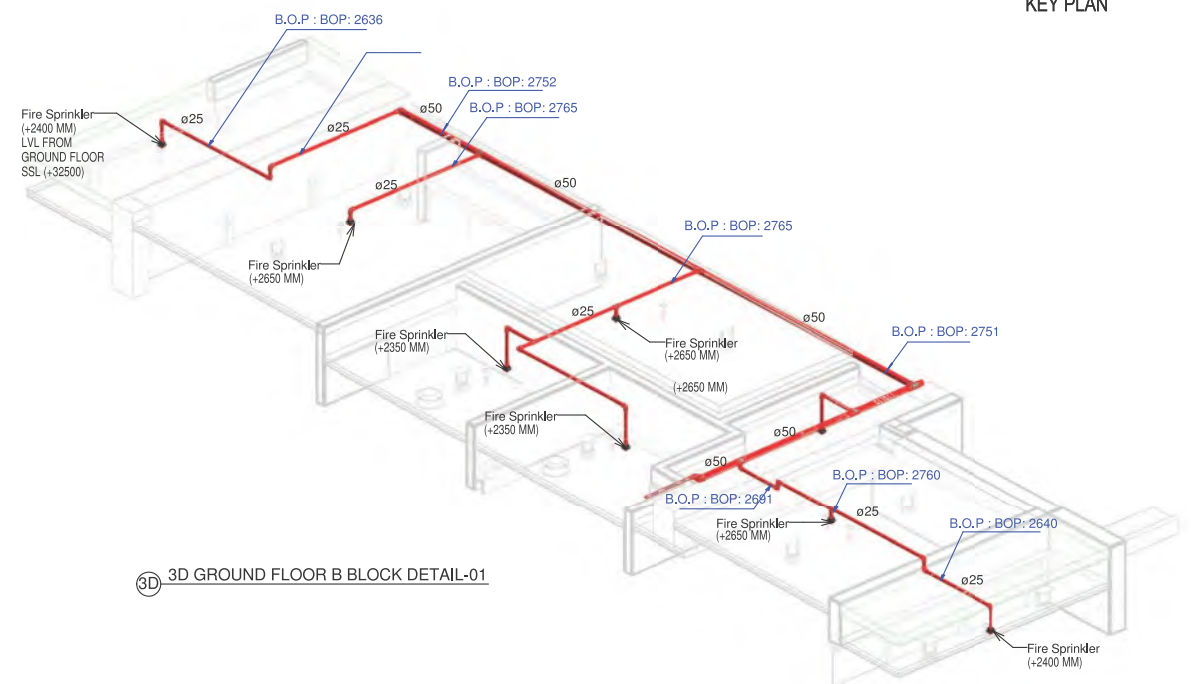
project
Union Green
39-47 Union Street
Auckland Central

drawing title
LEVEL-03 PENETRATION LAYOUT & SECTION BLOCK-A

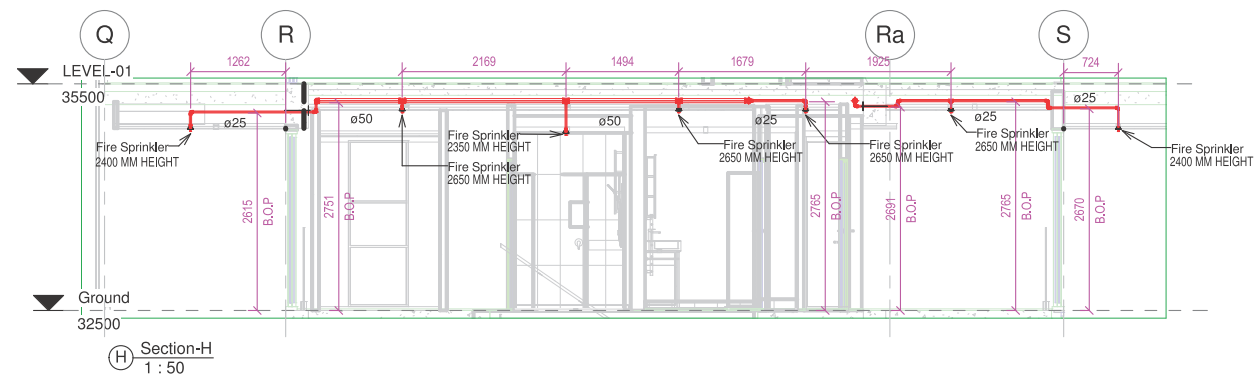
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drawing number FS642-265	revision 0



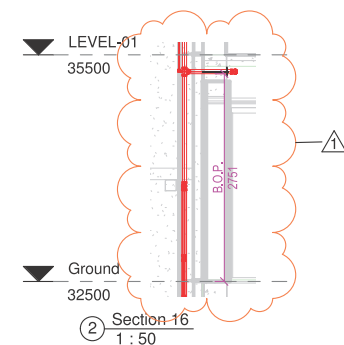
1 Fire Protection Ground Floor Block-B
1 : 100



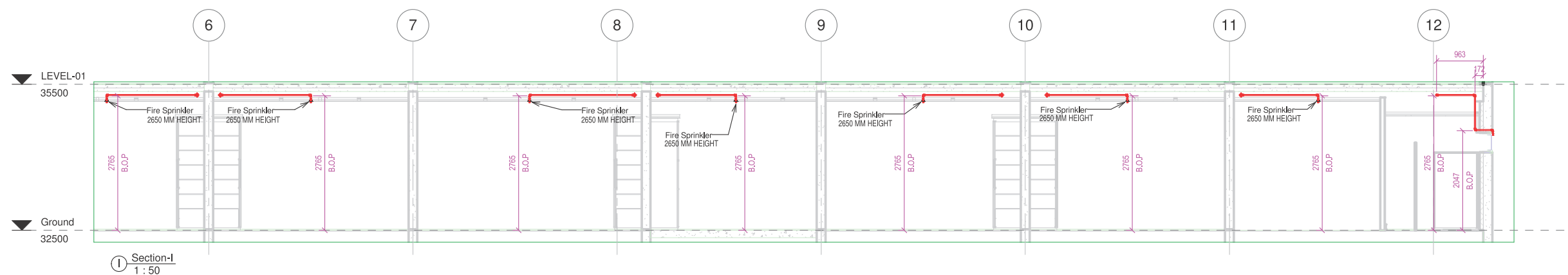
3D 3D GROUND FLOOR B BLOCK DETAIL-01



H Section-H
1 : 50



2 Section-16
1 : 50



I Section-I
1 : 50

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1	19/06/2018	For Approval	
0	06/04/2018	For Approval	

notes
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legend
○ 15mm K8 QR Ceiling/roof space sprinkler directly on pipe
● 15mm K8 QR Fully Concealed Corrosion resistant sprinkler
● 15mm K8 QR Semi recessed sprinkler
Ø Outer Diameter Pipe

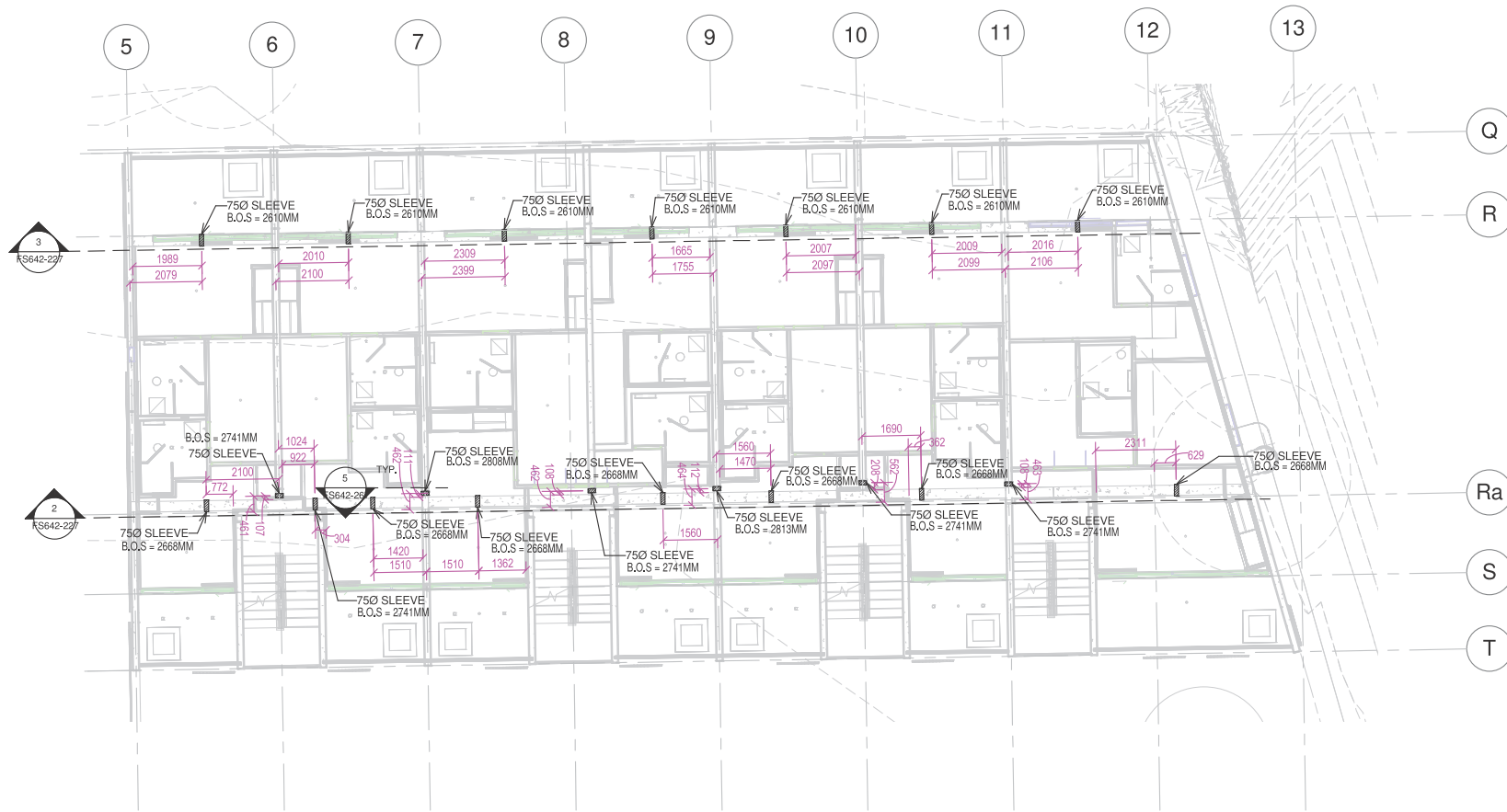
consultants	
project manager	Ebert Construction
architect	Pedderthorp
fire engineer	WSP
structural engineer	
civil engineer	
mechanical engineer	
electrical engineer	
hydraulic engineer	
refrigeration engineer	
other	

fire protection consultant
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PO Box 4022, Redwood Village 7242
Blenheim, New Zealand
Phone: 64 3 579 5577
Web: www.protechdesign.co.nz
Email: admin@protechdesign.co.nz

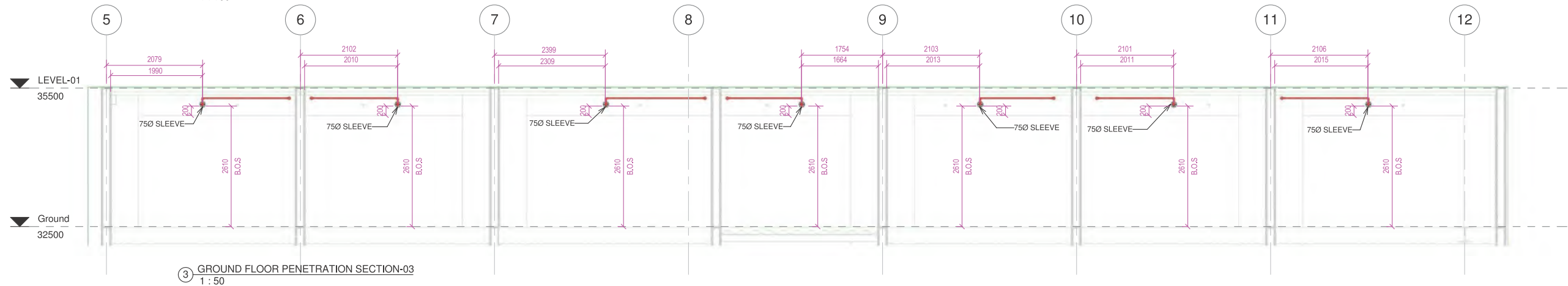
client
Union Green
39-47 Union Street
Auckland Central

project
Union Green
39-47 Union Street
Auckland Central

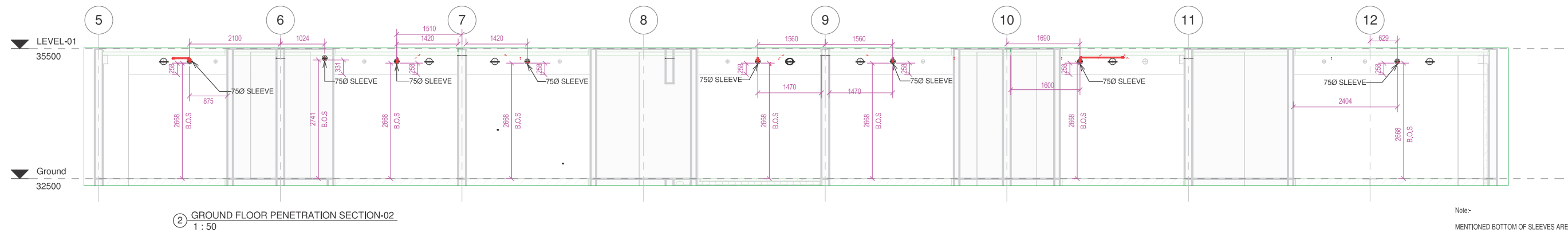
drawing title	
FIRE PROTECTION GROUND FLOOR BLOCK-B SECTION & 3D VIEW	
scale A1=As indicated	drawn by Author
drawing number FS642-225	revision 1



① GROUND FLOOR PENETRATION BLOCK-B
1 : 100

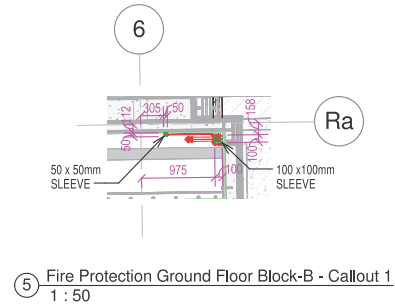
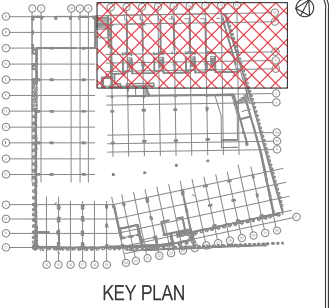


③ GROUND FLOOR PENETRATION SECTION-03
1 : 50



② GROUND FLOOR PENETRATION SECTION-02
1 : 50

Note:-
MENTIONED BOTTOM OF SLEEVES ARE REFERENCE FROM SSL.



⑤ Fire Protection Ground Floor Block-B - Callout 1
1 : 50

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revisions			
no.	date	issue/revision details	
1	19/06/2018	For Approval	
0	06/04/2018	For Approval	

notes
This set of Fire Protection drawings include the sprinkler system design only. The fire alarm design, along with all associated components shall be carried out as part of a separate contract, by a separate company as discussed.

legend	

consultants	
project manager	Ebert Construction
architect	Peddlethorp
fire engineer	WSP
structural engineer	
civil engineer	
mechanical engineer	
electrical engineer	
hydraulic engineer	
refrigeration engineer	
other	

fire protection consultant

PROTECH DESIGN LIMITED

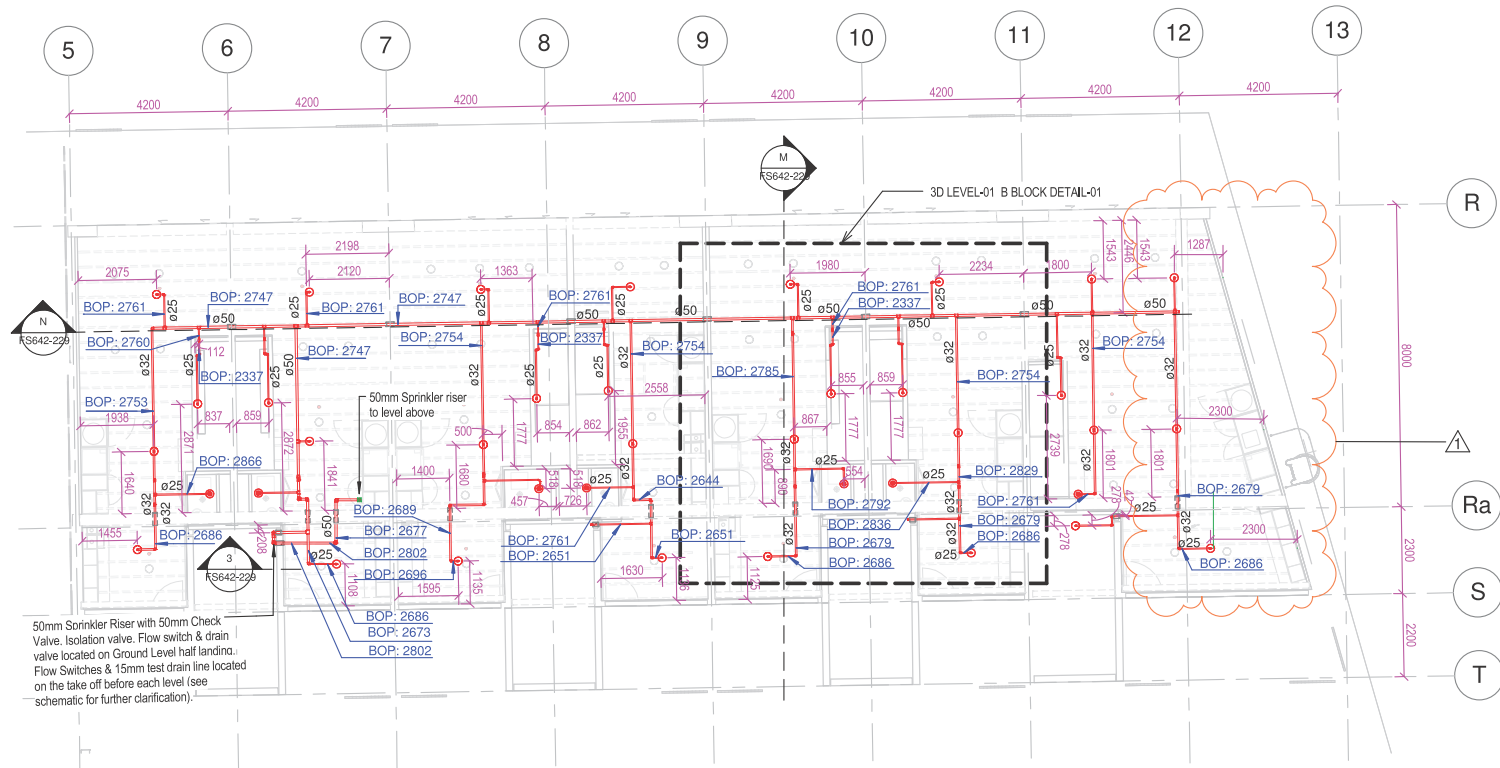
105A Alabama Rd, Redwoodtown 7201
PO Box 4022, Redwood Village 7242
Blenheim, New Zealand
Phone: 64 3 579 5577
Web: www.protechdesign.co.nz
Email: admin@protechdesign.co.nz

client	

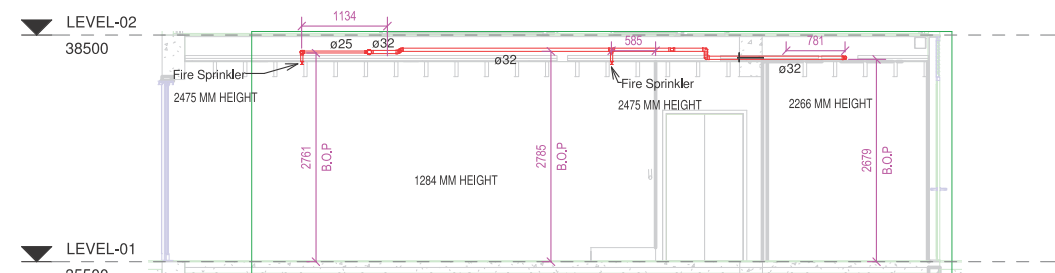
project

Union Green
39-47 Union Street
Auckland Central

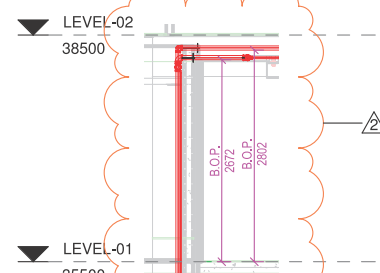
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scale A1=As indicated	drawn by Author
drawing number FS642-227	revision 1



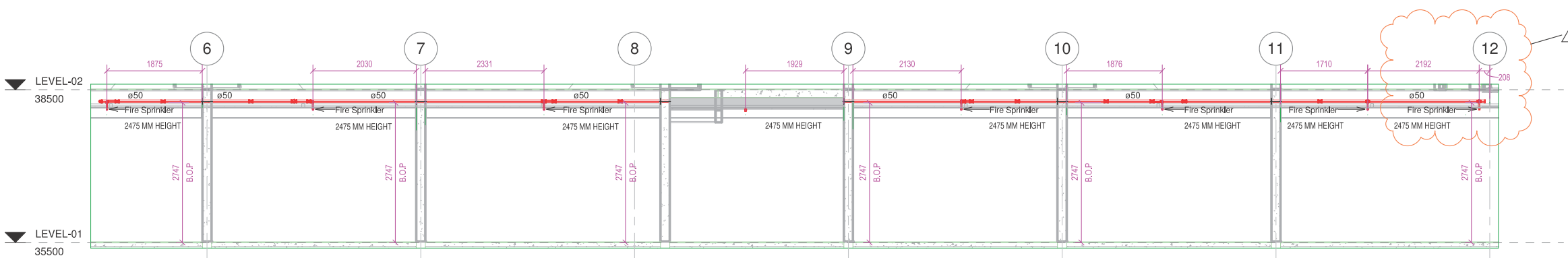
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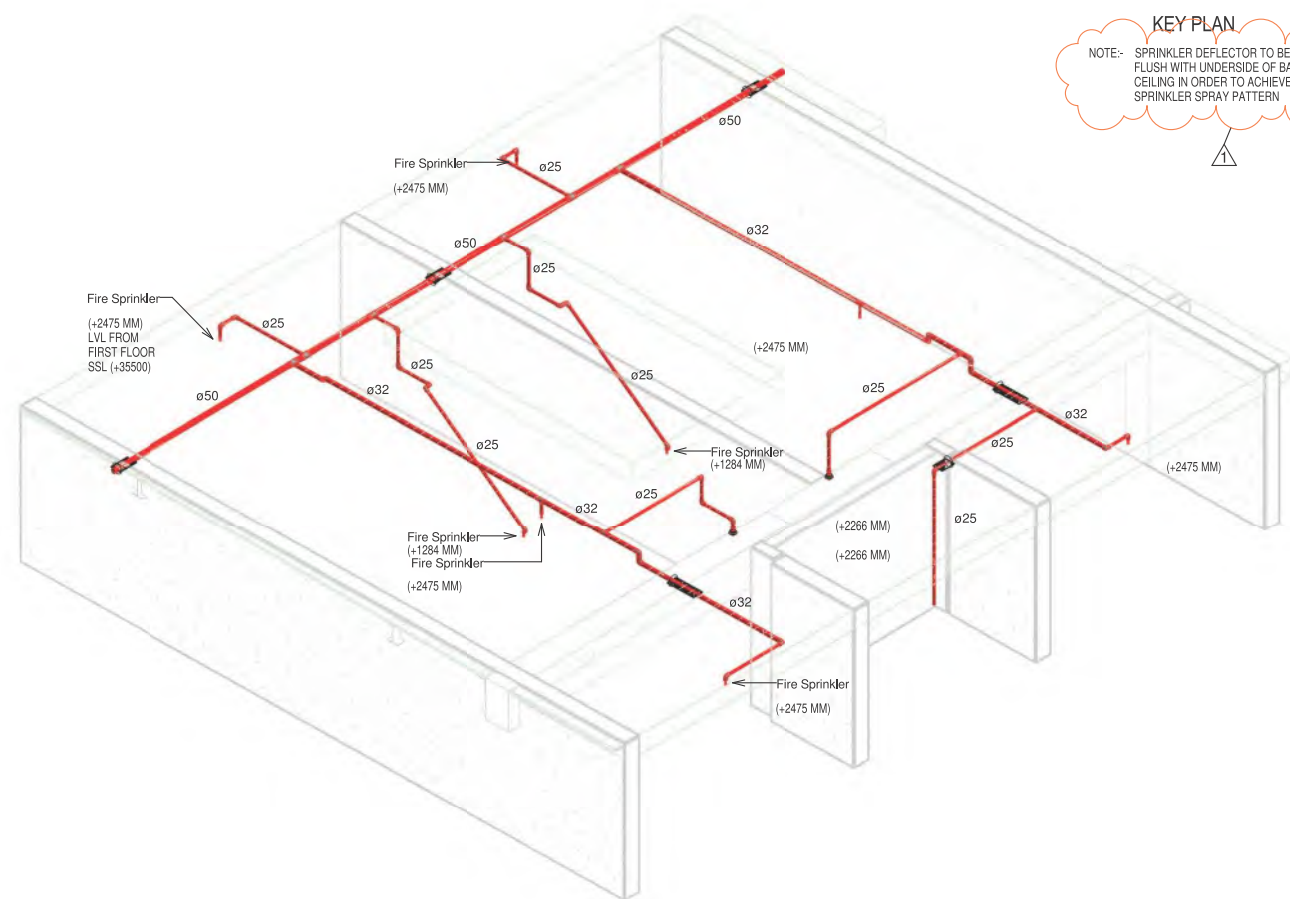
(M) Section-M
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(3) Section 131
1 : 50



(N) SECTION - N
1 : 50



(2) 3D LEVEL-01 B BLOCK DETAIL-01

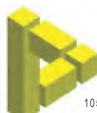
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revisions			
no.	date	issue/revision details	
2	19/06/2018	For Approval	
1	17/04/2018	For Approval	
0	16/04/2018	For Approval	

notes
This set of Fire Protection drawings include the sprinkler system design only. The fire alarm design, along with all associated components shall be carried out as part of a separate contract, by a separate company as discussed.

legend
 ○ 15mm K8 QR Ceiling/roof space sprinkler directly on pipe
 F.C. 15mm K8 QR Fully Concealed Corrosion resistant sprinkler
 ● 15mm K8 QR Semi recessed sprinkler
 Ø Outer Diameter Pipe

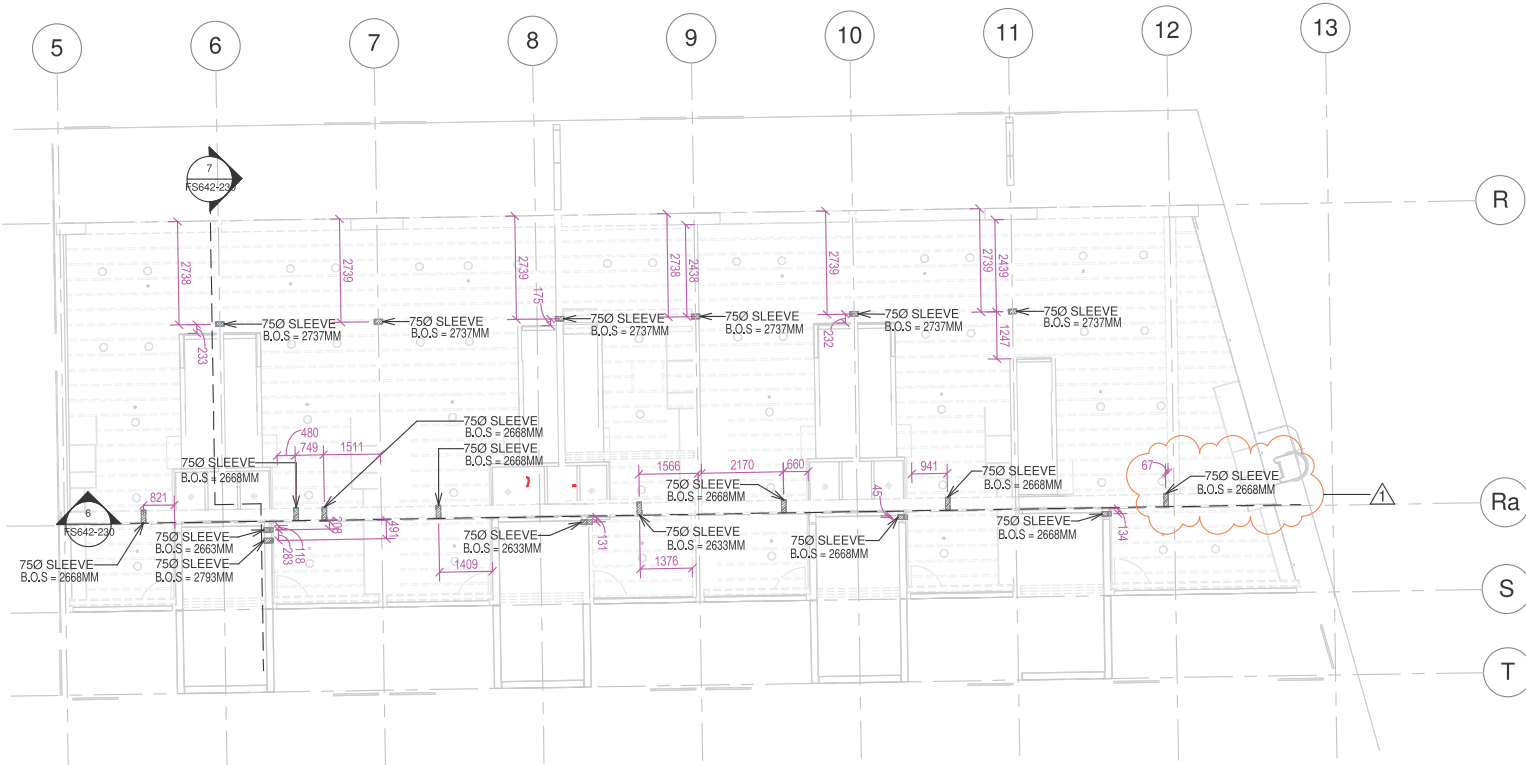
consultants	
project manager	Ebert Construction
architect	Peddlethorp
fire engineer	WSP
structural engineer	
civil engineer	
mechanical engineer	
electrical engineer	
hydraulic engineer	
refrigeration engineer	
other	

fire protection consultant

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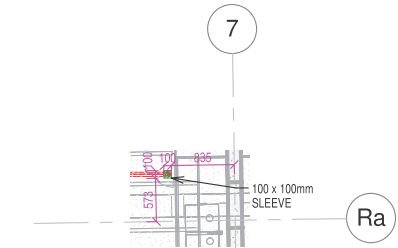
client
 Union Green
 39-47 Union Street
 Auckland Central

project
 Union Green
 39-47 Union Street
 Auckland Central

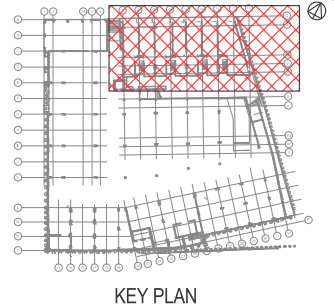
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drawing number FS642-229	revision 2



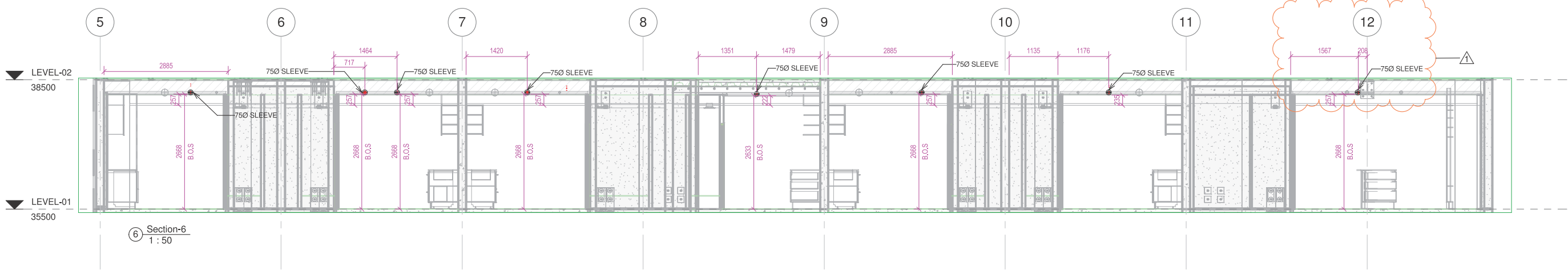
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1 : 100



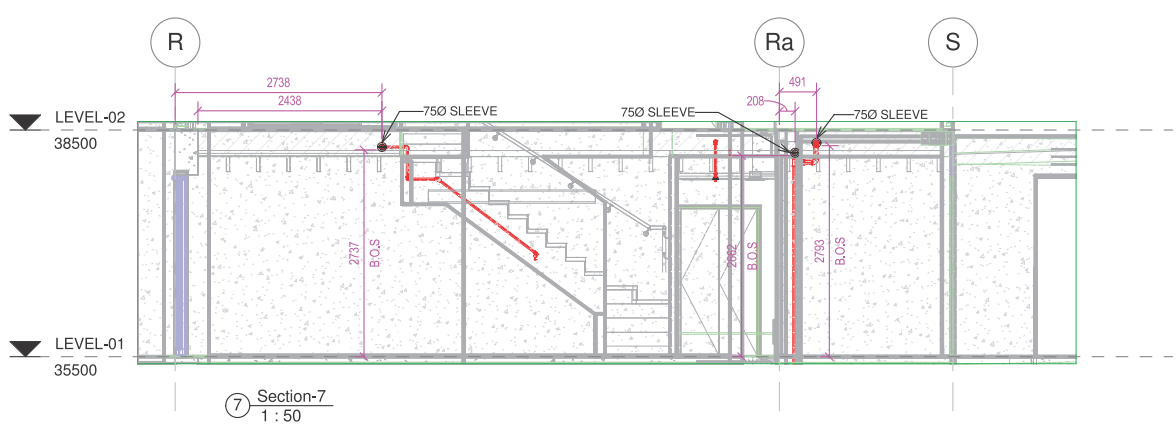
2 FIRE PROTECTION FIRST FLOOR BLOCK-B - Callout 1
1 : 50



KEY PLAN



6 Section-6
1 : 50



7 Section-7
1 : 50

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0	16/04/2018	For Approval	

notes

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legend

consultants	
project manager	Ebert Construction
architect	Peddlethorp
fire engineer	WSP
structural engineer	
civil engineer	
mechanical engineer	
electrical engineer	
hydraulic engineer	
refrigeration engineer	
other	

fire protection consultant



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client

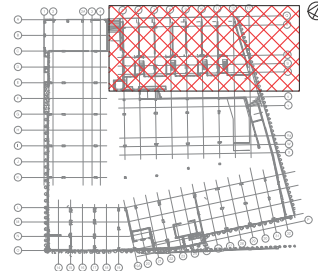
project

Union Green
39-47 Union Street
Auckland Central

drawing title	
LEVEL-01 PENETRATION LAYOUT & SECTION BLOCK-B	

scale	drawn by
A1=As indicated	BMP

drawing number	revision
FS642-230	2



NOTE:- 1. SPRINKLER DEFLECTOR TO BE INSTALLED FLUSH WITH UNDERSIDE OF BATTEN CEILING IN ORDER TO ACHIEVE SPRINKLER SPRAY PATTERN

2. *K8 15MM WHITE SEMI RECESSED SPRINKLERS BELOW CEILING WITH 2 PIECE SCUTCHON PLATES*.

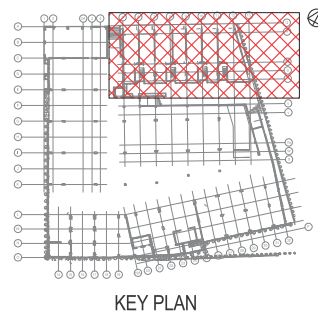
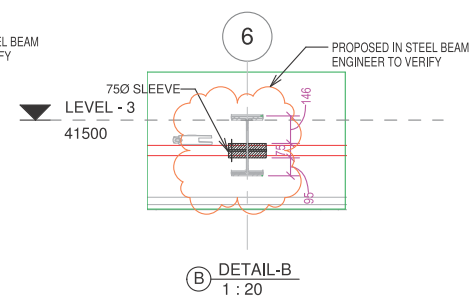
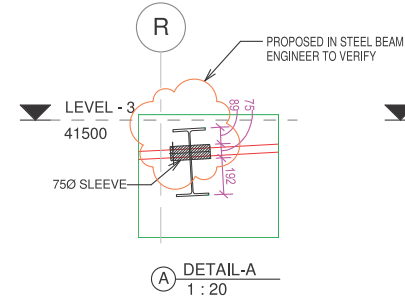
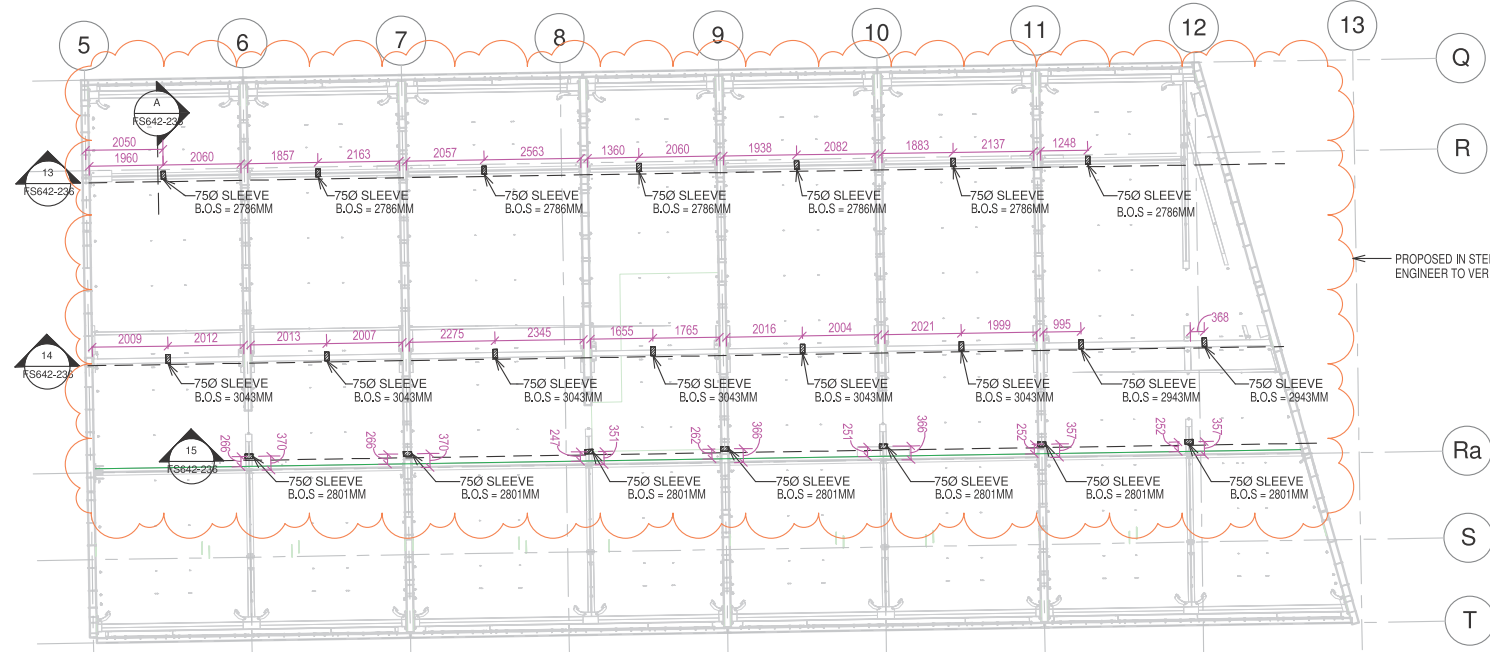
[illegible]

Architectural section drawing showing the fire sprinkler layout for a building. The drawing includes a curved ceiling with a red line indicating the sprinkler path. Sprinklers are labeled with their heights: 2400 MM, 2650 MM, 2350 MM, 2350 MM, 2797 MM, and 2400 MM. Horizontal dimensions are provided in millimeters. The drawing is divided into sections Q, R, Ra, S, and T. Level markers for LEVEL -3 (41500) and LEVEL-02 (38500) are shown on the left.

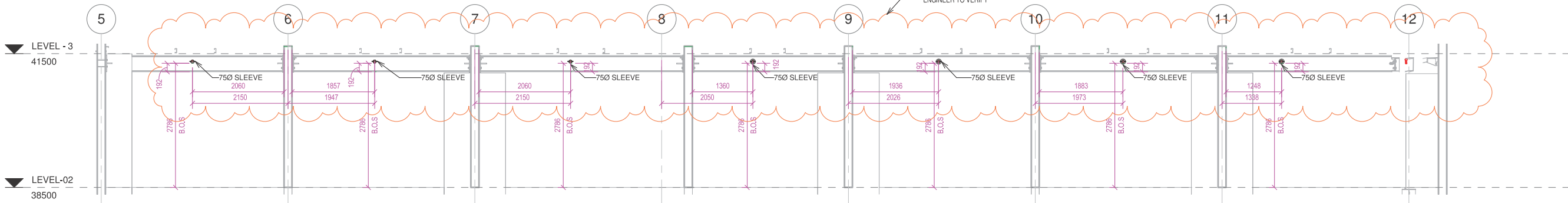
Diagram illustrating the vertical shaft structure and levels:

- LEVEL -3** (41500)
- LEVEL -02** (38500)
- B.O.P. 2732** (Bottom of Pit)
- Warning Triangle** (Safety symbol)

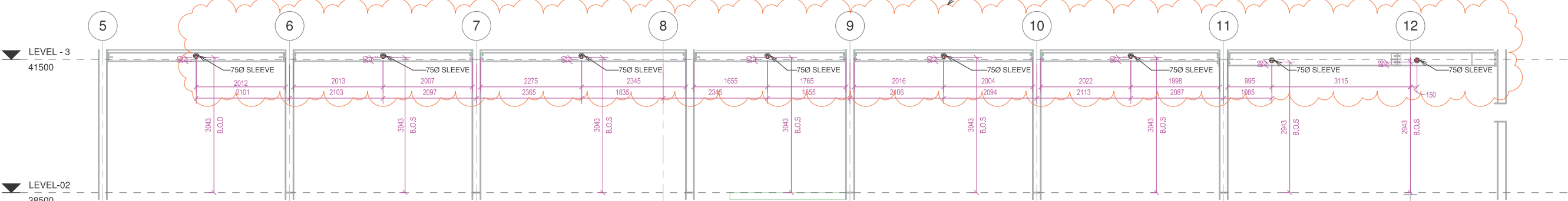
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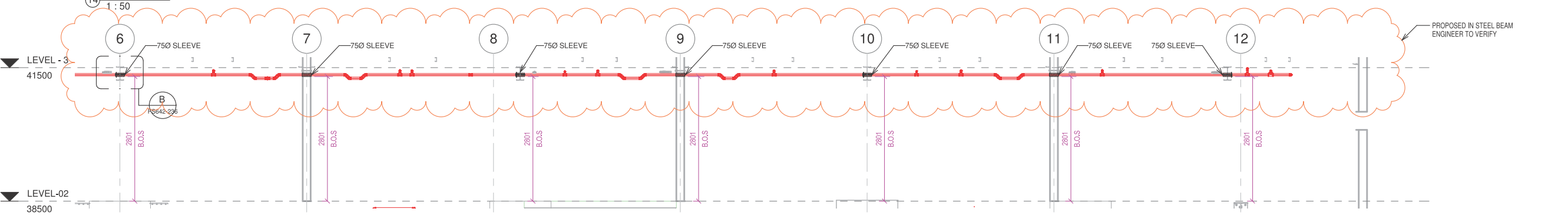
1 LEVEL-02 PENETRATION BLOCK-B
1:100



13 Section-13
1:50



14 Section-14
1:50



15 Section-15
1:50

Note:-
MENTIONED BOTTOM OF SLEEVES ARE REFERENCE FROM SSL.

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legend

consultants

project manager	Ebert Construction
architect	Puddlethorp
fire engineer	WSP
structural engineer	
civil engineer	
mechanical engineer	
electrical engineer	
hydraulic engineer	
refrigeration engineer	
other	

fire protection consultant

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Email: admin@protechdesign.co.nz

client

project

Union Green
39-47 Union Street
Auckland Central

drawing title

LEVEL-02 PENETRATION LAYOUT & SECTION BLOCK-B

scale

A1=As indicated
drawing number
FS642-236

drawn by

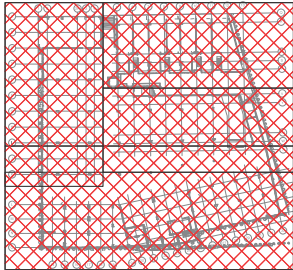
Author
revision
1

FIRE PROTECTION DRAWINGS

UNION GREEN APARTMENTS
39-47 UNION STREET
AUCKLAND CENTRAL

PROJECT NO. FS642

Sheet List			
Sheet Number	Sheet Name	Revision	Date
FS642-000	COVER PAGE	19	19/06/2018
FS642-200	BASEMENT 02 FIRE PROTECTION PLAN PART-1	4	02/04/2018
FS642-201	BASEMENT 02 FIRE PROTECTION PLAN PART-2	4	02/04/2018
FS642-202	BASEMENT 01 FIRE PROTECTION PLAN PART-1	4	02/04/2018
FS642-203	BASEMENT 01 FIRE PROTECTION PLAN PART-2	4	02/04/2018
FS642-221	DETAIL DRAWING-01 (BASEMENT 01 & 02)	0	02/04/2018
FS642-222	DETAIL DRAWING-02 (BASEMENT 01 & 02)	0	02/04/2018
FS642-223	BASEMENT 01 PENETRATION LAYOUT	0	02/04/2018
FS642-224	BASEMENT 01 PENETRATION SECTION - 1	0	02/04/2018
FS642-225	FIRE PROTECTION GROUND FLOOR BLOCK-B SECTION & 3D VIEW	1	19/06/2018
FS642-226	FIRE PROTECTION GROUND FLOOR BLOCK-D & SECTION	1	14/06/2018
FS642-227	GROUND FLOOR PENETRATION LAYOUT & SECTION BLOCK-B	1	19/06/2018
FS642-228	GROUND FLOOR PENETRATION LAYOUT & SECTION BLOCK-D	1	14/06/2018
FS642-229	FIRE PROTECTION FIRST FLOOR BLOCK-B SECTION & 3D VIEW	2	19/06/2018
FS642-230	LEVEL-01 PENETRATION LAYOUT & SECTION BLOCK-B	2	19/06/2018
FS642-231	FIRE PROTECTION FIRST FLOOR BLOCK-D	1	14/06/2018
FS642-232	LEVEL-01 PENETRATION LAYOUT & SECTION BLOCK-D	1	14/06/2018
FS642-233	FIRE PROTECTION LEVEL-02 BLOCK-B LAYOUT & SECTION	1	19/06/2018
FS642-234	FIRE PROTECTION LEVEL-02 BLOCK-D LAYOUT & SECTION	2	14/06/2018
FS642-235	LEVEL-02 PENETRATION LAYOUT & SECTION BLOCK-D	1	14/06/2018
FS642-236	LEVEL-02 PENETRATION LAYOUT & SECTION BLOCK-B	1	19/06/2018
FS642-237	BASEMENT -01 TO LEVEL-03 SLAB PENETRATION LAYOUT BLOCK B & D	0	26/04/2018
FS642-238	FIRE PROTECTION LEVEL-03 BLOCK-D LAYOUT & SECTION	1	14/06/2018
FS642-239	LEVEL-03 PENETRATION LAYOUT & SECTION BLOCK-D	1	14/06/2018
FS642-240	FIRE PROTECTION LEVEL-04 BLOCK-D LAYOUT & SECTION	2	14/06/2018
FS642-241	LEVEL-04 PENETRATION LAYOUT & SECTION BLOCK-D	1	14/06/2018
FS642-242	FIRE PROTECTION LEVEL-05 BLOCK-D LAYOUT & SECTION	1	14/06/2018
FS642-243	LEVEL-05 PENETRATION LAYOUT & SECTION BLOCK-D	1	14/06/2018
FS642-244	FIRE PROTECTION LEVEL-06 BLOCK-D LAYOUT & SECTION	1	14/06/2018
FS642-245	LEVEL-06 PENETRATION LAYOUT & SECTION BLOCK-D	1	14/06/2018
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FS642-248	FIRE PROTECTION LEVEL-08 BLOCK-D LAYOUT & SECTION	1	14/06/2018
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FS642-251	LEVEL-09 PENETRATION LAYOUT & SECTION BLOCK-D	1	14/06/2018
FS642-252	FIRE PROTECTION LEVEL-10 BLOCK-D LAYOUT & SECTION	1	14/06/2018
FS642-253	LEVEL-10 PENETRATION LAYOUT & SECTION BLOCK-D	1	14/06/2018
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FS642-256	FIRE PROTECTION LEVEL-12 BLOCK-D LAYOUT & SECTION	1	14/06/2018
FS642-257	LEVEL-12 PENETRATION LAYOUT & SECTION BLOCK-D	1	14/06/2018
FS642-258	FIRE PROTECTION GROUND FLOOR BLOCK-A LAYOUT & SECTION	1	19/06/2018
FS642-259	GROUND FLOOR PENETRATION LAYOUT & SECTION BLOCK-A	0	19/06/2018
FS642-260	FIRE PROTECTION LEVEL-01 BLOCK-A LAYOUT & SECTION	0	19/06/2018
FS642-261	LEVEL-01 PENETRATION LAYOUT & SECTION BLOCK-A	0	19/06/2018
FS642-262	FIRE PROTECTION LEVEL-02 BLOCK-A LAYOUT & SECTION	0	19/06/2018
FS642-263	LEVEL-02 PENETRATION LAYOUT & SECTION BLOCK-A	0	19/06/2018
FS642-264	FIRE PROTECTION LEVEL-03 BLOCK-A LAYOUT & SECTION	0	19/06/2018
FS642-265	LEVEL-03 PENETRATION LAYOUT & SECTION BLOCK-A	0	19/06/2018
FS642-266	FIRE PROTECTION GROUND FLOOR BLOCK-C LAYOUT & SECTION	0	19/06/2018
FS642-267	GROUND FLOOR PENETRATION LAYOUT & SECTION BLOCK-C	0	19/06/2018
FS642-268	FIRE PROTECTION LEVEL-01 BLOCK-C LAYOUT & SECTION	0	19/06/2018
FS642-269	LEVEL-01 PENETRATION LAYOUT & SECTION BLOCK-C	0	19/06/2018
FS642-270	FIRE PROTECTION LEVEL-02 BLOCK-C LAYOUT & SECTION	0	19/06/2018
FS642-271	LEVEL-02 PENETRATION LAYOUT & SECTION BLOCK-C	0	14/06/2018
FS642-272	FIRE PROTECTION LEVEL-03 BLOCK-C LAYOUT & SECTION	0	19/06/2018
FS642-273	LEVEL-03 PENETRATION LAYOUT & SECTION BLOCK-C	1	19/06/2018



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revisions		
19	19/06/2018	For Approval
18	14/06/2018	For Approval
17	22/05/2018	For Approval
16	19/05/2018	For Approval
15	18/05/2018	For Approval
14	16/05/2018	For Approval
13	08/05/2018	For Approval
12	04/05/2018	For Approval
11	02/05/2018	For Approval
10	01/05/2018	For Approval
9	28/04/2018	For Approval
no.	date	issue/revision details

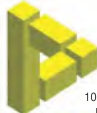
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legend

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fire engineer	WSP
structural engineer	
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other	

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client

project

Union Green

39-47 Union Street

Auckland Central

drawing title

COVER PAGE

scale

A1=

drawing number

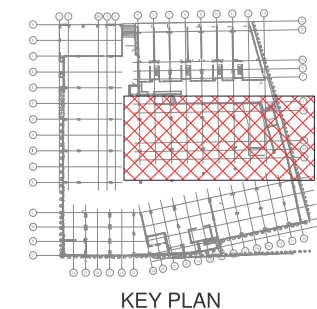
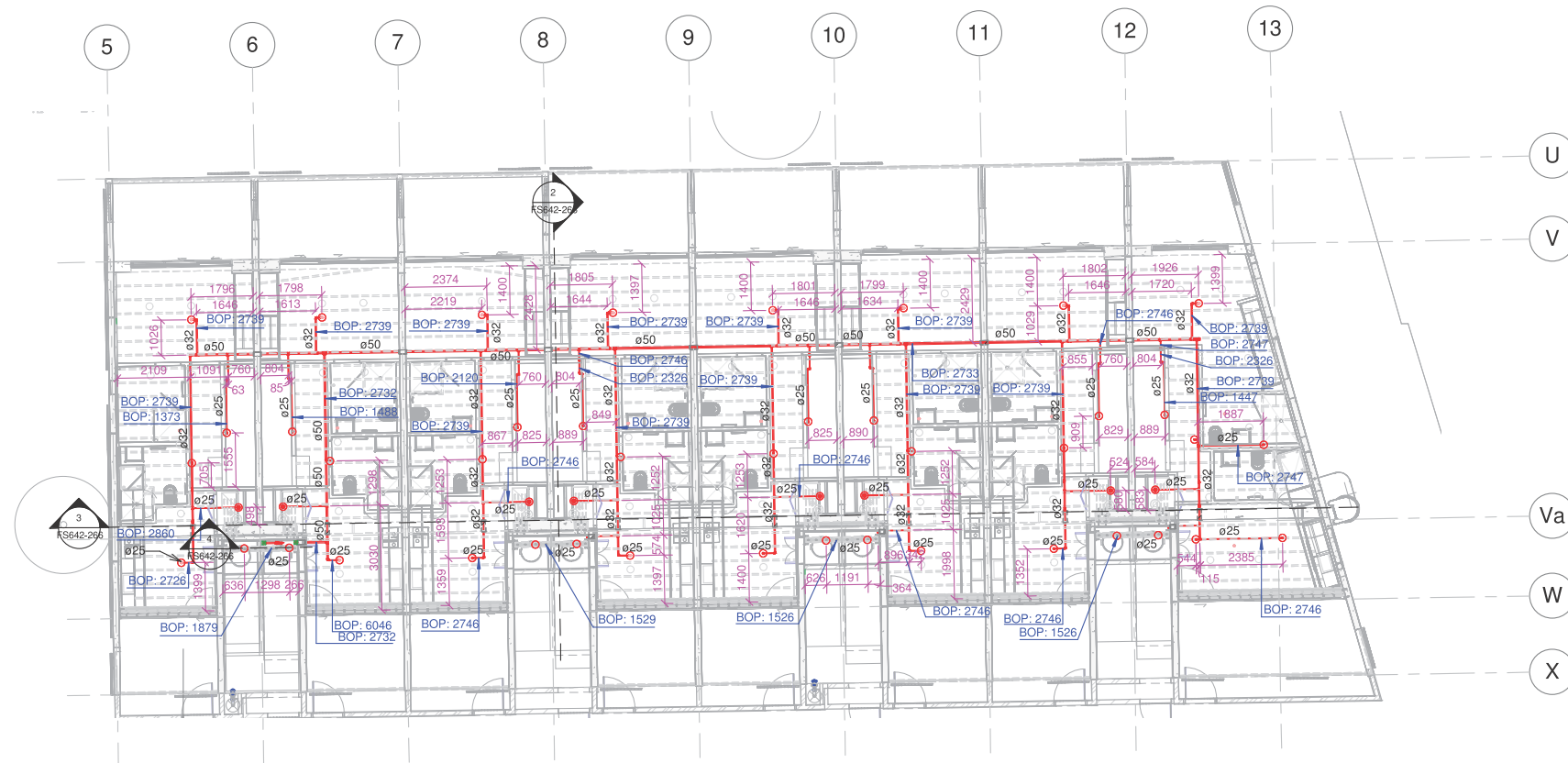
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drawn by

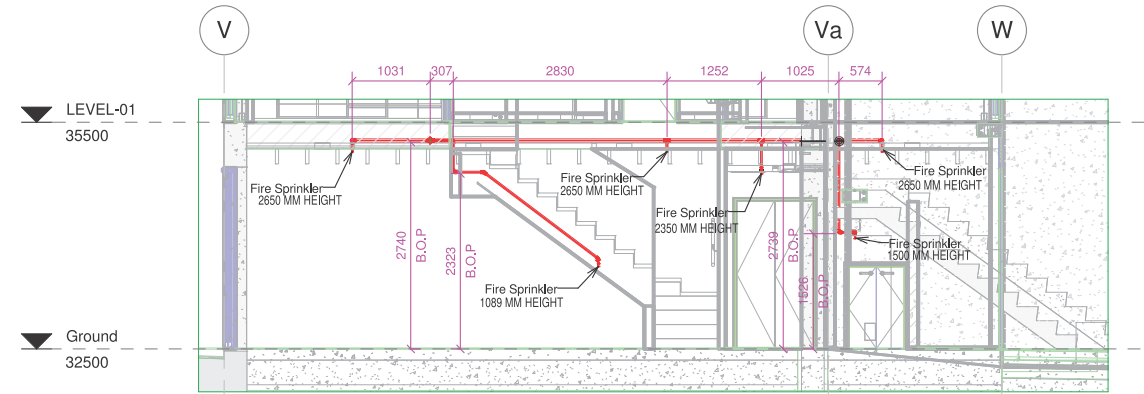
Author

revision

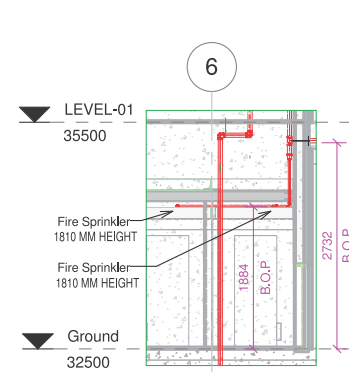
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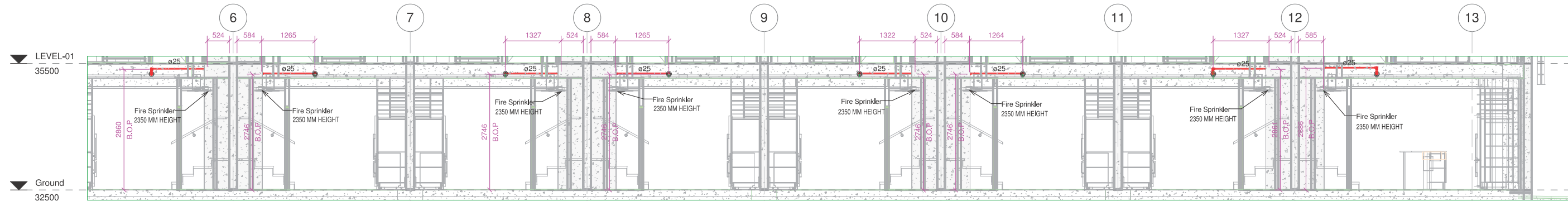
1 Fire Protection Ground Floor Block-C
1 : 100



2 Section CG
1 : 50



4 Section 4
1 : 50



3 Section CH
1 : 50

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0	19/06/2018		

notes

This set of Fire Protection drawings include the sprinkler system design only. The fire alarm design, along with all associated components shall be carried out as part of a separate contract, by a separate company as discussed.

legend

- 15mm K8 QR Ceiling/roof space sprinkler directly on pipe
- 15mm K8 QR Fully Concealed Corrosion resistant sprinkler
- 15mm K8 QR Semi recessed sprinkler
- Ø Outer Diameter Pipe

consultants

project manager	Ebert Construction
architect	
fire engineer	WSP
structural engineer	
civil engineer	
mechanical engineer	
electrical engineer	
hydraulic engineer	
refrigeration engineer	
other	

fire protection consultant

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drawing title

FIRE PROTECTION GROUND FLOOR BLOCK-C LAYOUT & SECTION

scale

A1= As indicated

drawing number

FS642-266

drawn by

Author

revision

0

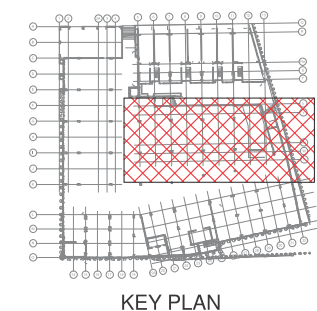
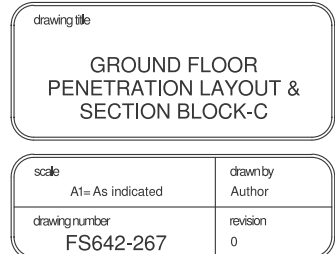
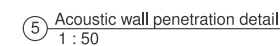
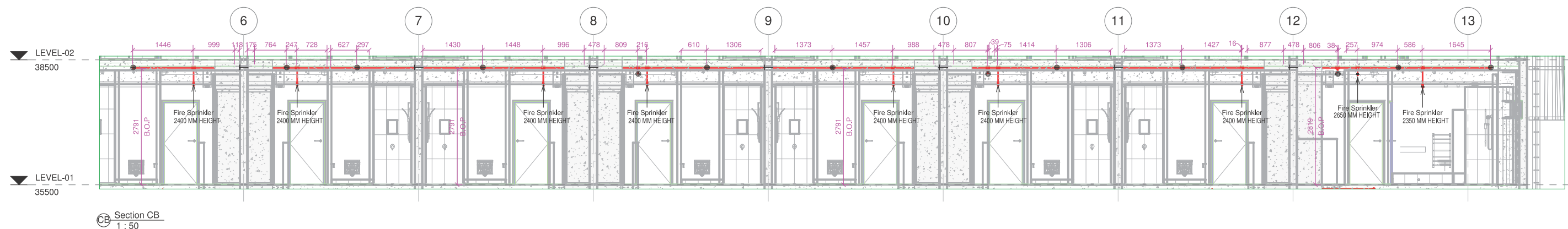
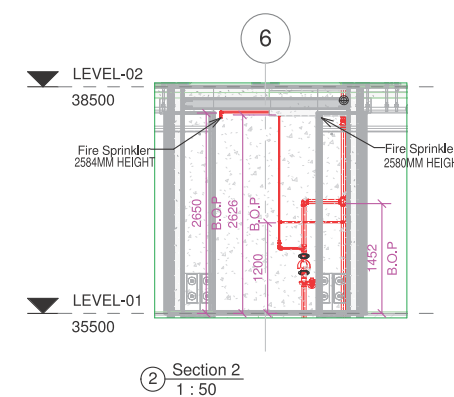
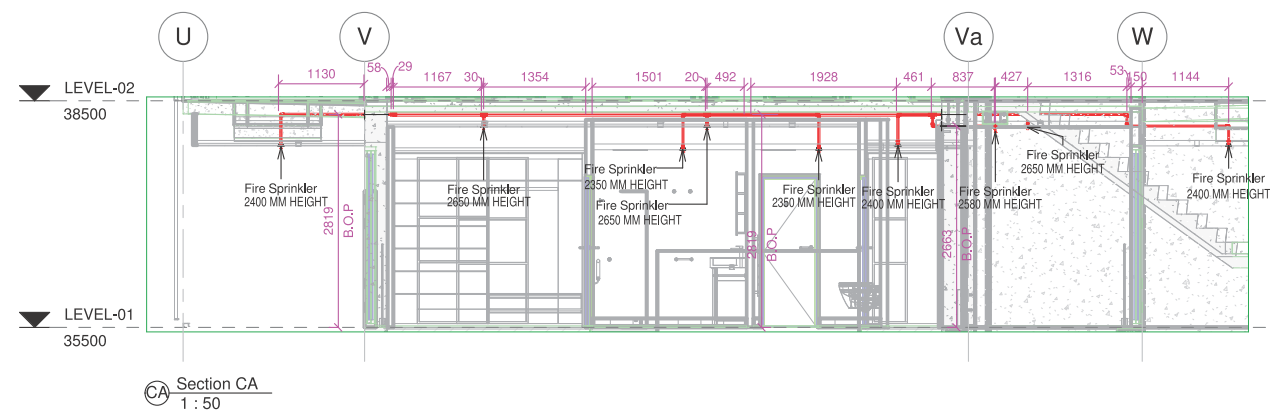
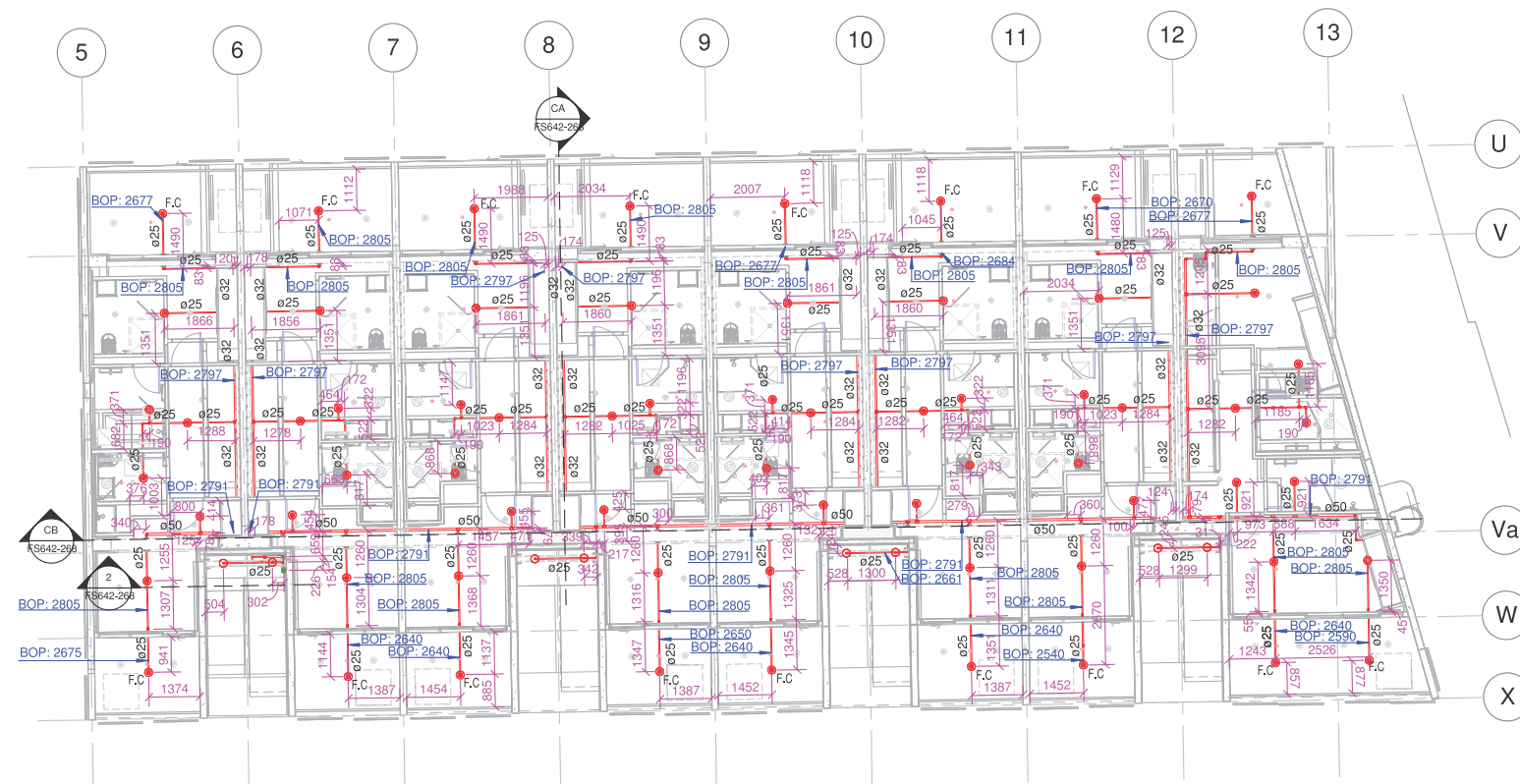
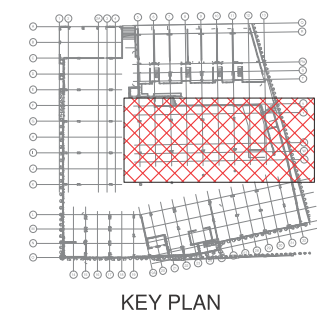


Diagram 4: Floor Penetration at Ground Floor Block-C. The diagram shows a cross-section of a floor slab with two 100x100mm sleeves. Reinforcement bars are shown with various dimensions: 47, 69, 100, 96, 100, and 100. A circular callout '6' points to a top reinforcement bar, and a circular callout 'Va' points to a vertical reinforcement bar. The scale is 1:50.





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legenda

- 15mm K8 QR Ceiling/roof space sprinkler directly on pipe
- F.● 15mm K8 QR Fully Concealed Corrosion resistant sprinkler
- 15mm K8 QR Semi recessed sprinkler
- Ø Outer Diameter Pipe

 consultants

project manager	Ebert Construction
architect	
fire engineer	WSP
structural engineer	
civil engineer	
mechanical engineer	
electrical engineer	
hydraulic engineer	
refrigeration engineer	
other	

fire protection consultant



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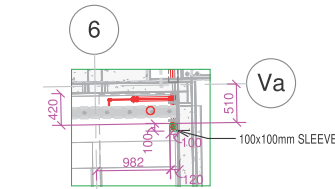
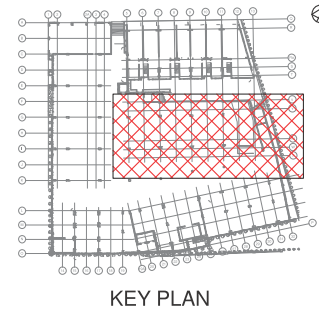
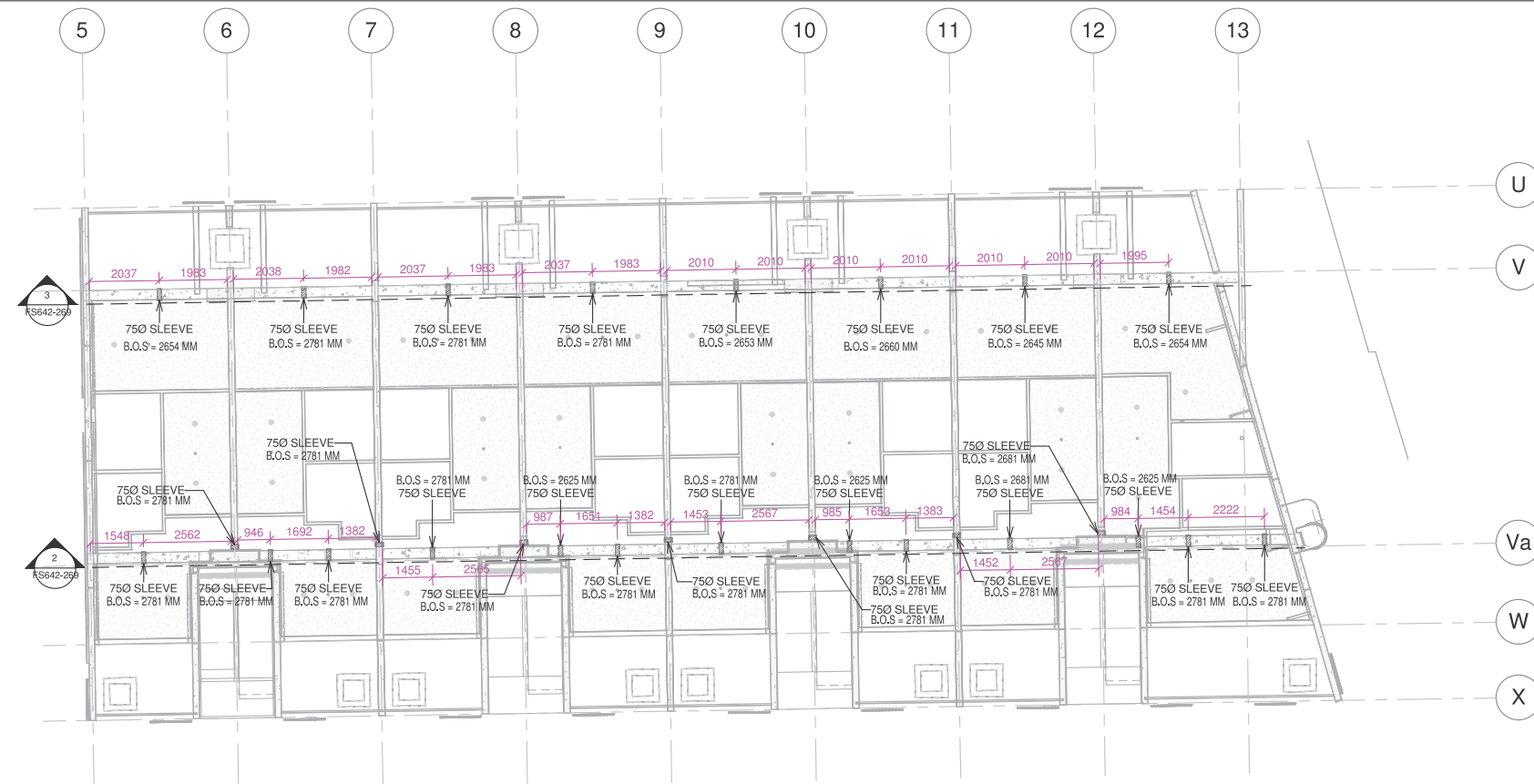
drawing title

FIRE PROTECTION LEVEL-01
BLOCK-C LAYOUT & SECTION

scale
A1= As indicated

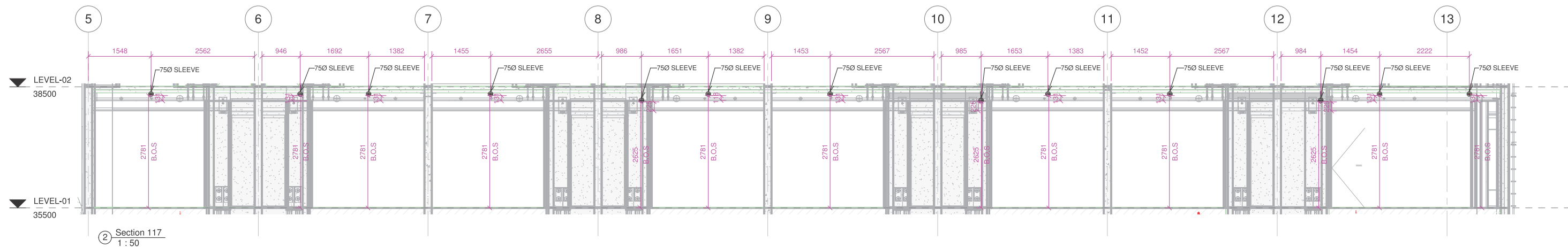
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drawn by	Author
revision	0

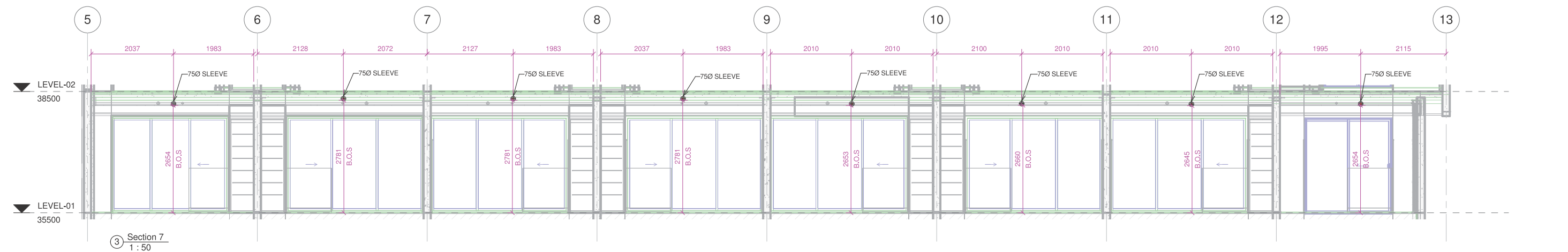


4 Floor Penetration Level - 01 Block - C
1 : 50

1 LEVEL-01 PENETRATION BLOCK-C
1 : 100



2 Section 117
1 : 50



3 Section 7
1 : 50

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0	19/06/2018		

notes

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legend

consultants

project manager	Ebert Construction
architect	
fire engineer	WSP
structural engineer	
civil engineer	
mechanical engineer	
electrical engineer	
hydraulic engineer	
refrigeration engineer	
other	

fire protection consultant

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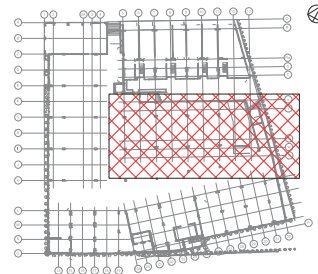
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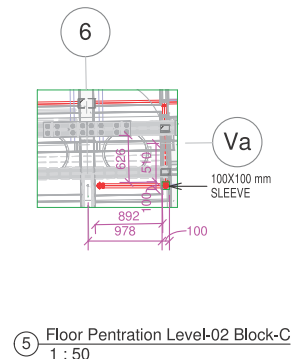
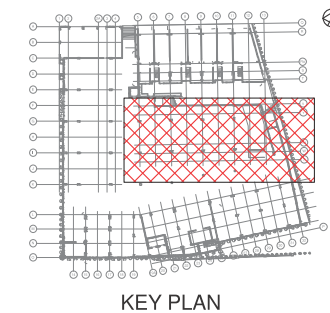
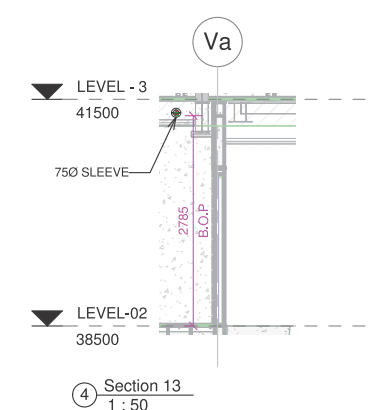
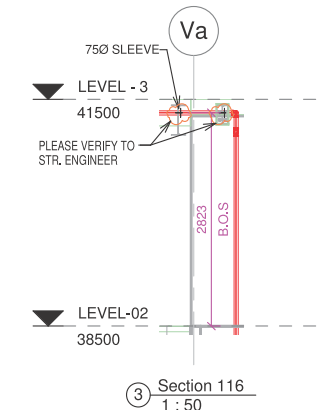
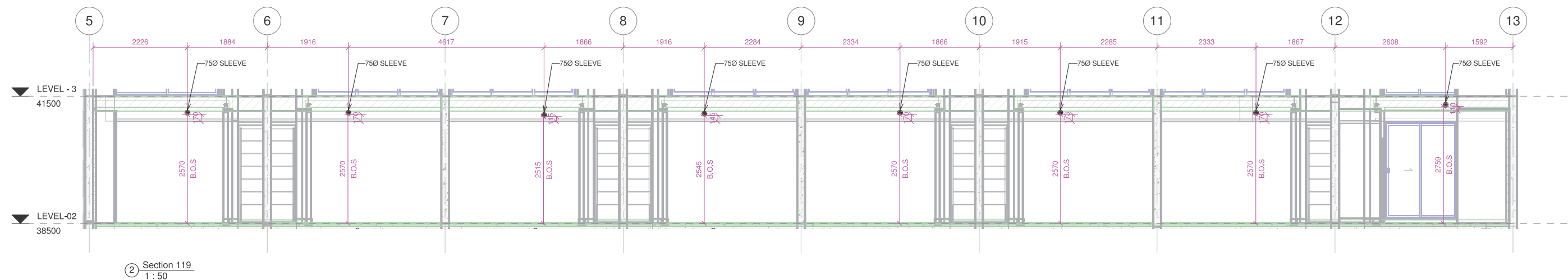
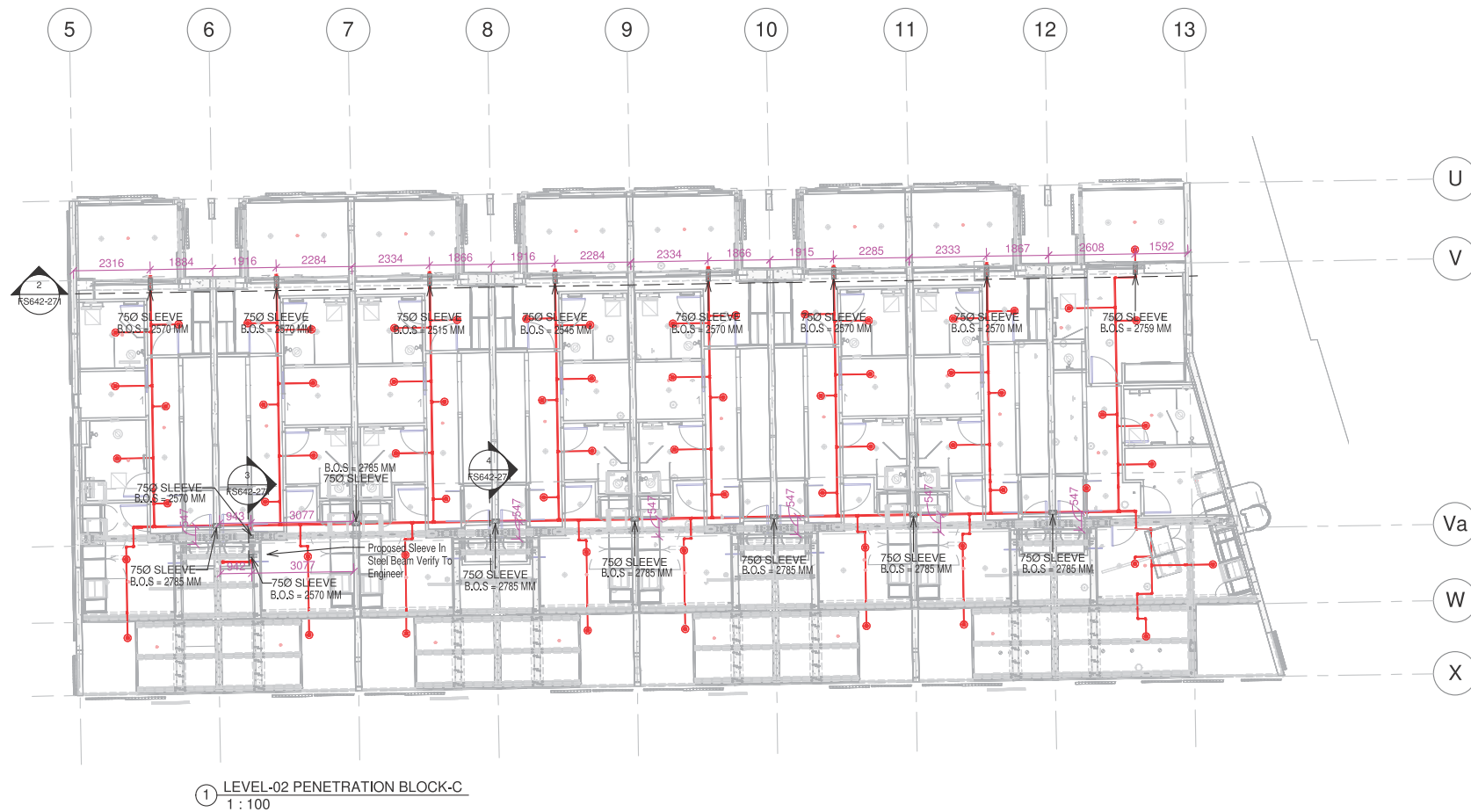
drawing title

LEVEL-01 PENETRATION
LAYOUT & SECTION
BLOCK-C

scale A1= As indicated	drawn by Author
drawing number FS642-269	revision 0



rawn by
author



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0	14/06/2018		

notes

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legend

consultants

project manager	Ebert Construction
architect	
fire engineer	WSP
structural engineer	
civil engineer	
mechanical engineer	
electrical engineer	
hydraulic engineer	
refrigeration engineer	
other	

fire protection consultant



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drawing title

LEVEL-02 PENETRATION
LAYOUT & SECTION
BLOCK-C

scale
A1= As indicated

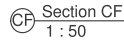
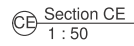
drawing number
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drawn by
Author

revision
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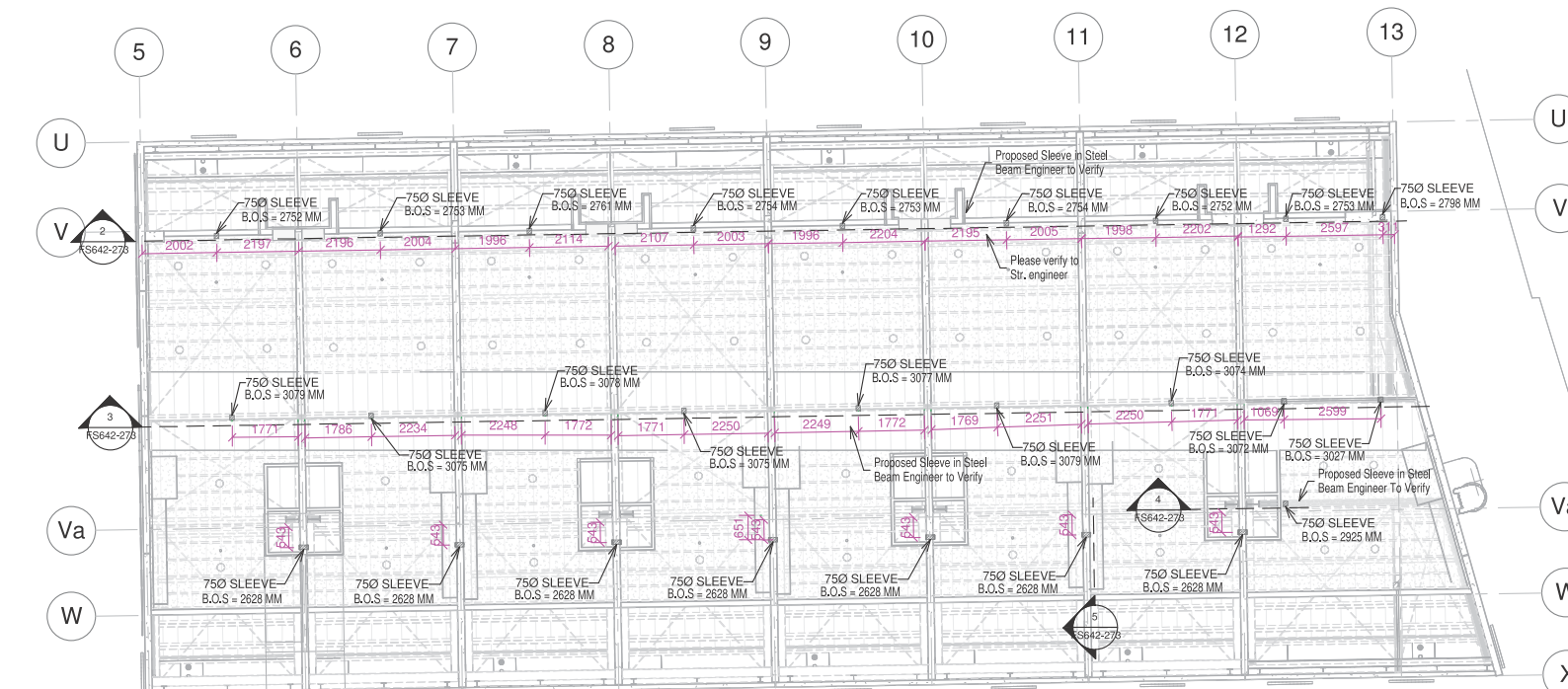


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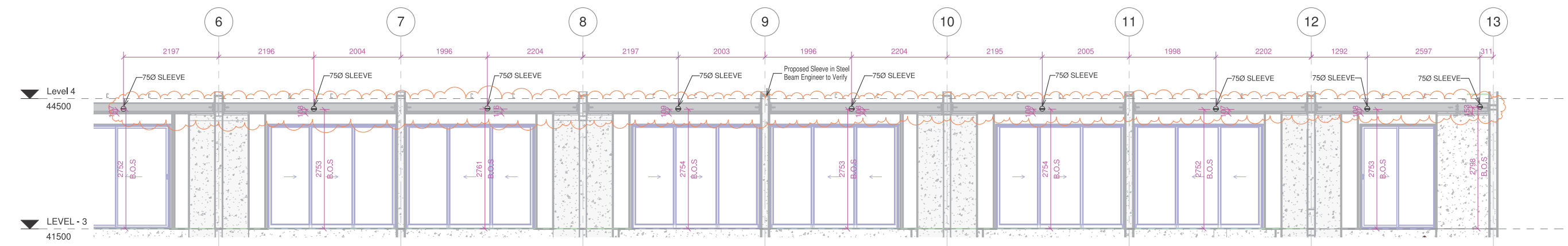
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FIRE PROTECTION LEVEL-03
BLOCK-C LAYOUT & SECTION

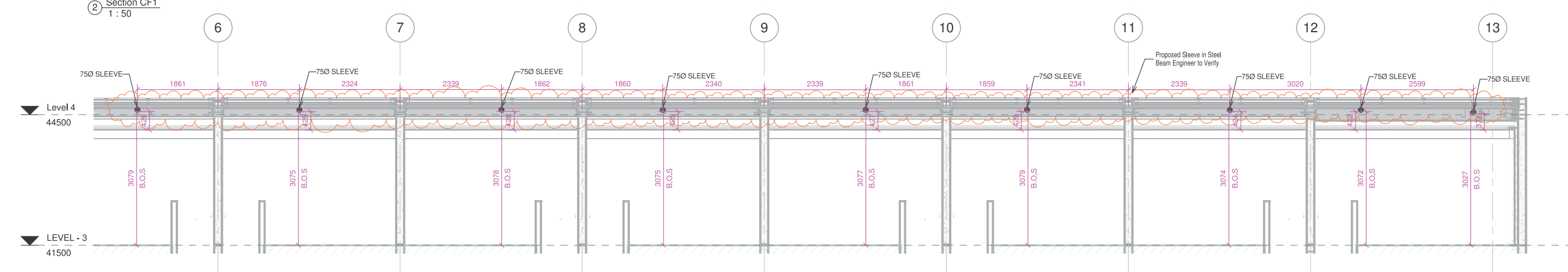
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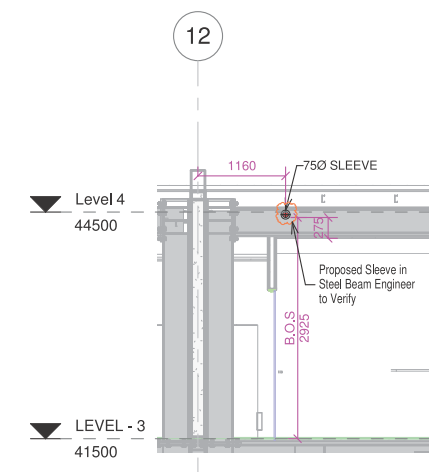
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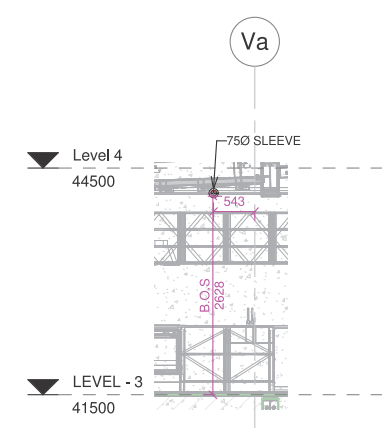
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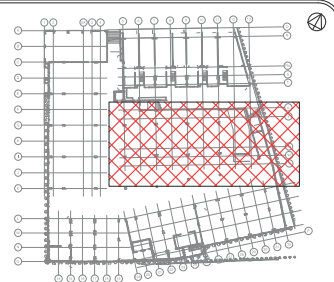
3 Section CF2
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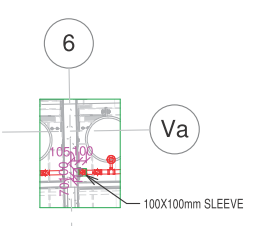
4 Section 122
1 : 50



5 Section 123
1 : 50



KEY PLAN



6 Floor Penetration Level-03 Block-C
1 : 50

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1	19/06/2018	For Approval	
0	14/06/2018	For Approval	

notes
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legend

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project manager	Ebert Construction
architect	
fire engineer	WSP
structural engineer	
civil engineer	
mechanical engineer	
electrical engineer	
hydraulic engineer	
refrigeration engineer	
other	

fire protection consultant



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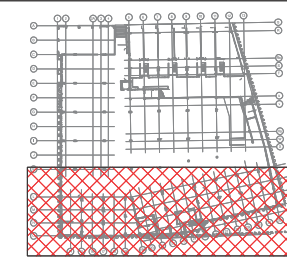
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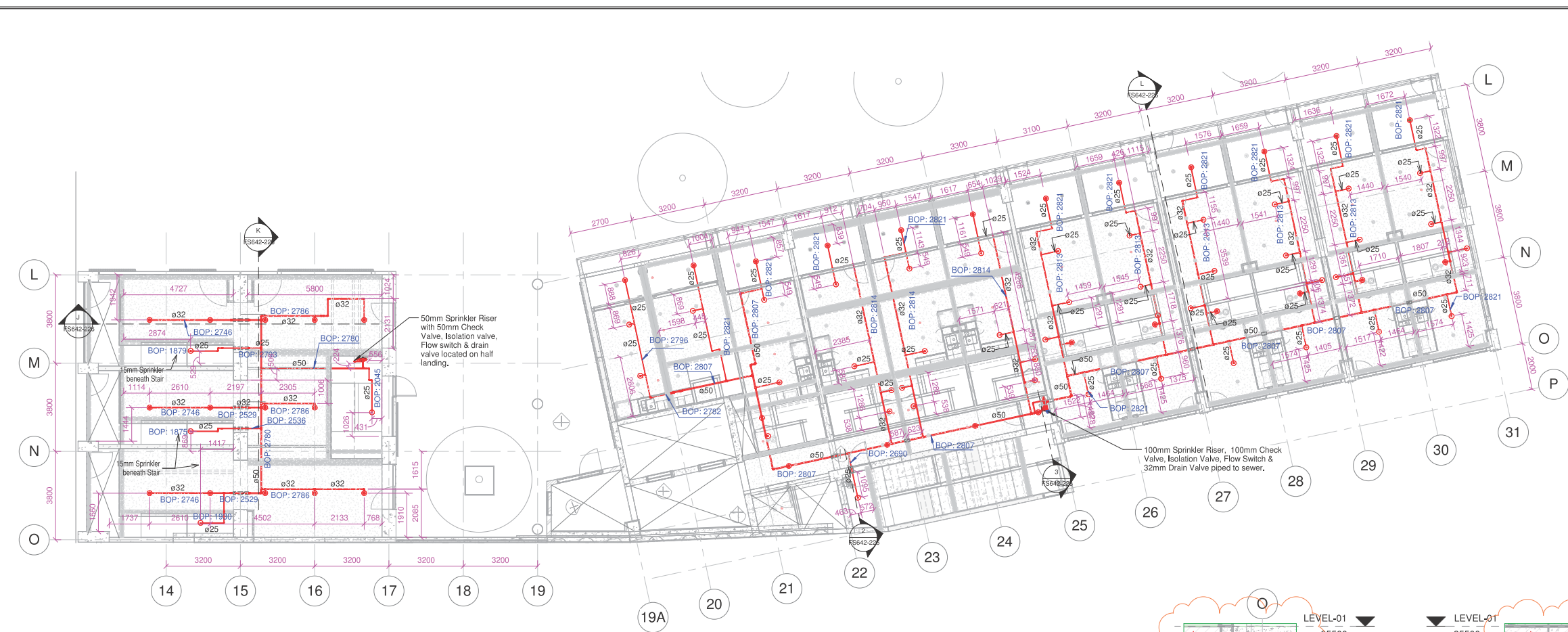
client

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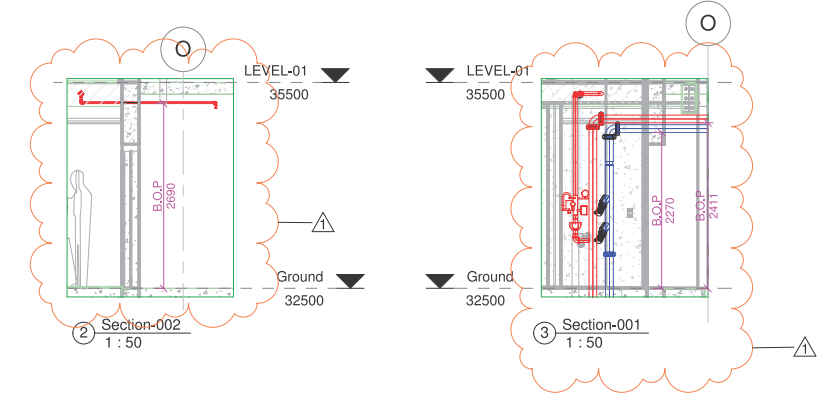
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scale A1= As indicated	drawn by Author
drawing number FS642-273	revision 1



KEY PLAN

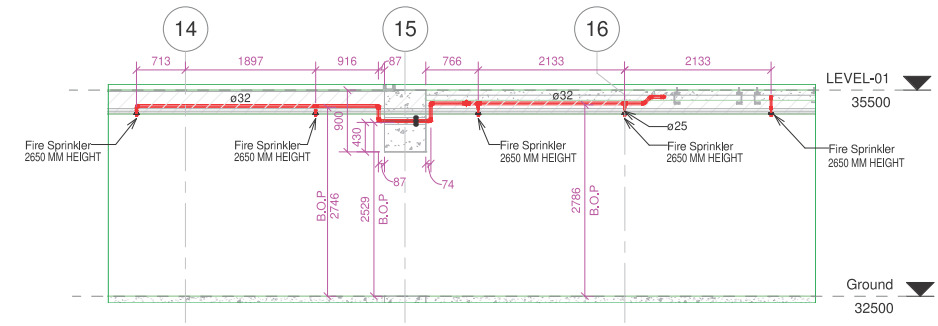


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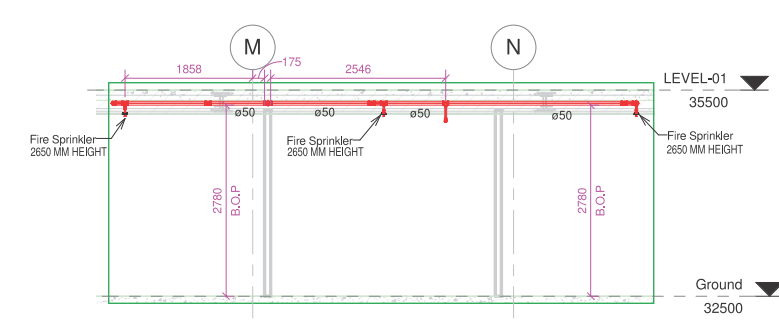


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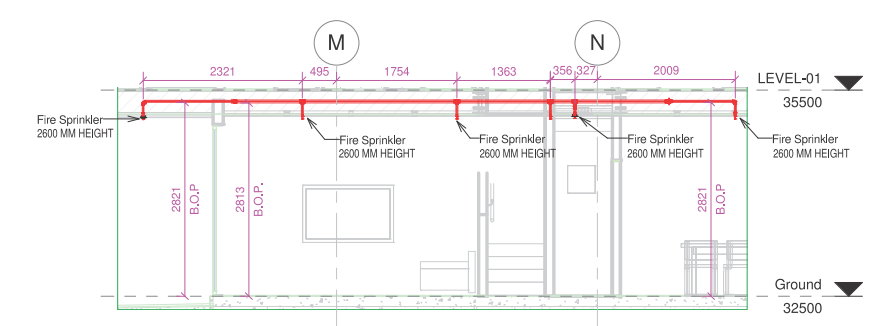
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J Section-J
1 : 50



K Section-K
1 : 50



L Section-L
1 : 50

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0	06/04/2018	For Approval

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legend	
○	15mm K8 QR Ceiling/roof space sprinkler directly on pipe
●	15mm K8 QR Fully Concealed Corrosion resistant sprinkler
●	15mm K8 QR Semi recessed sprinkler
Ø	Outer Diameter Pipe

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drawing title	
FIRE PROTECTION GROUND FLOOR BLOCK-D & SECTION	
scale A1=As indicated	drawn by Author
drawing number FS642-226	revision 1

