

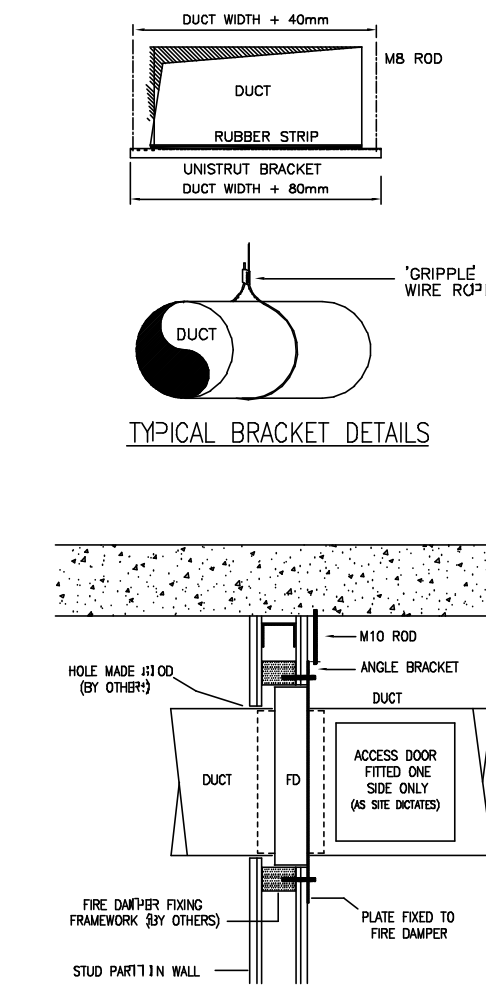
Building Outline Information	
Architect Model/Drawing Number	Revision
B&F PROJECT NUMBER: 5258	

NOTES

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.
2. DUCTWORK INSTALLATION TO BE IN ACCORDANCE WITH DW1144.
3. ALL SUPPLY AND EXTRACT DUCTWORK IN ROOF SPACE, RISERS & PLANTROOM TO BE THERMALLY INSULATED.
4. FIRE DAMPERS AND ACCESS PANELS TO BE PROVIDED IN THE LOCATIONS INDICATED. FIRE DAMPERS TO BE OUT OF AIR STREAM TYPE.
5. FINAL NUMBER AND LOCATION OF IMPULSE FAN UNITS TO BE DETERMINED BY CAR PARK VENTILATION SPECIALIST.
6. TO BE READ IN CONJUNCTION WITH VENTILATION SCHEMATIC SJQ-102-BAF-ZZ-XX-DR-M-57941 & SMOKE VENTILATION SCHEMATIC SJQ-102-BAF-ZZ-XX-DR-M-57942.

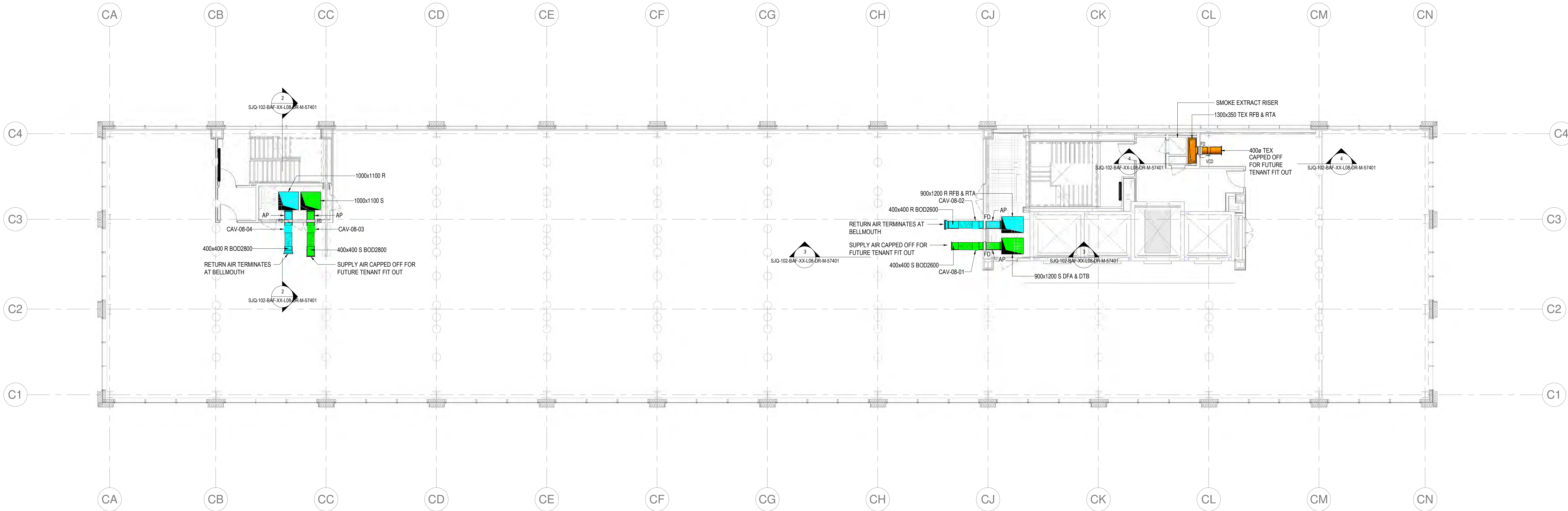
LEGEND

- FD FIRE DAMPER
AV AIR VALVE
CAV CONSTANT AIR VOLUME BOX
S SUPPLY AIR
R RETURN AIR
TEX TOW EXTRACT
VCD VCD
L TO R LEFT TO RIGHT
T TO B TOP TO BOTTOM
FA FROM ABOVE
DFA DROPS FROM ABOVE
RTA RISE TO ABOVE
TS TO BELOW
DTB DROPS TO BELOW
CL CENTRE LINE
BOD BOTTOM OF DUCT
CI CAST IRON

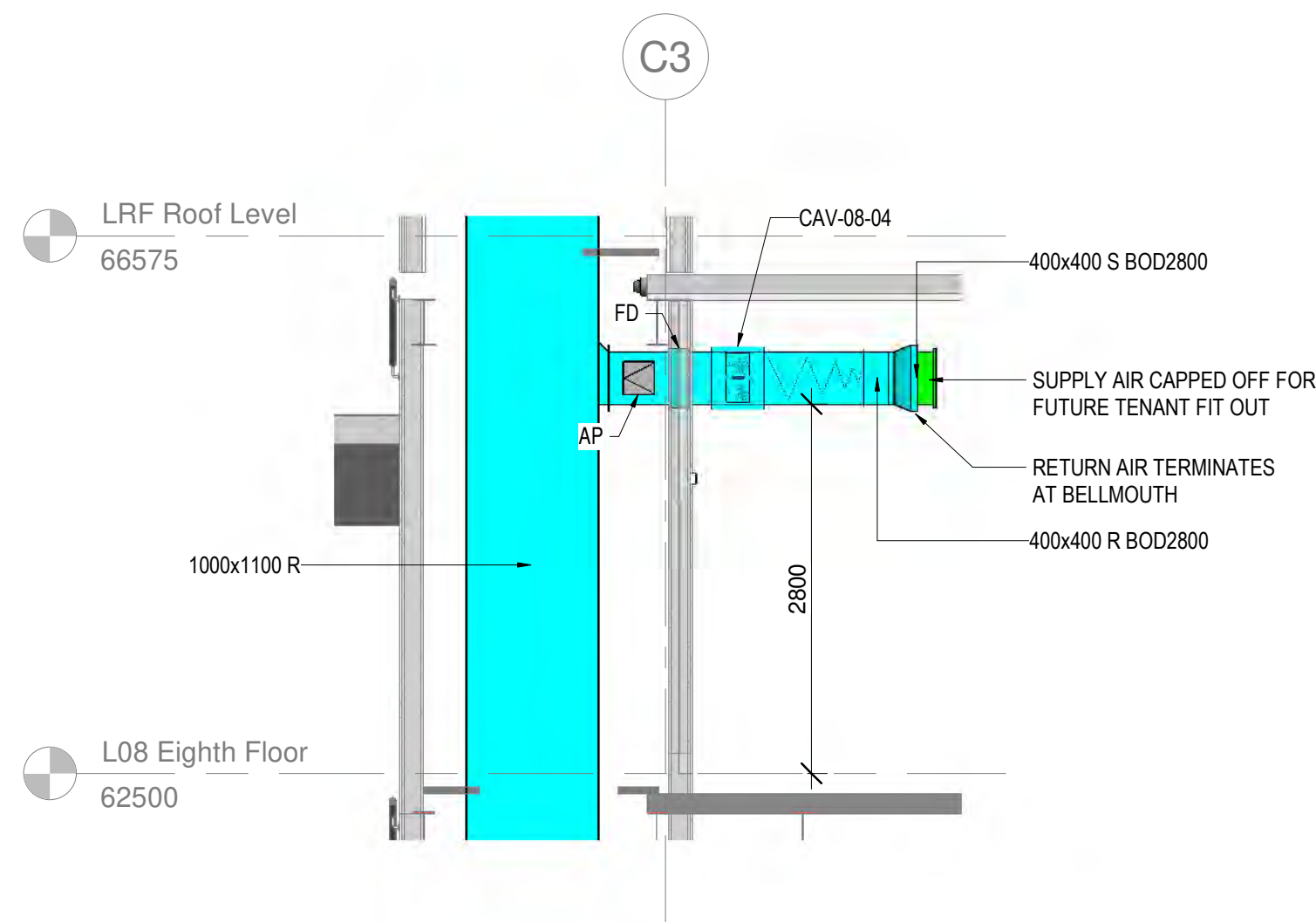


FIRE DAMPER FIXING DETAIL - PARTITION WALL

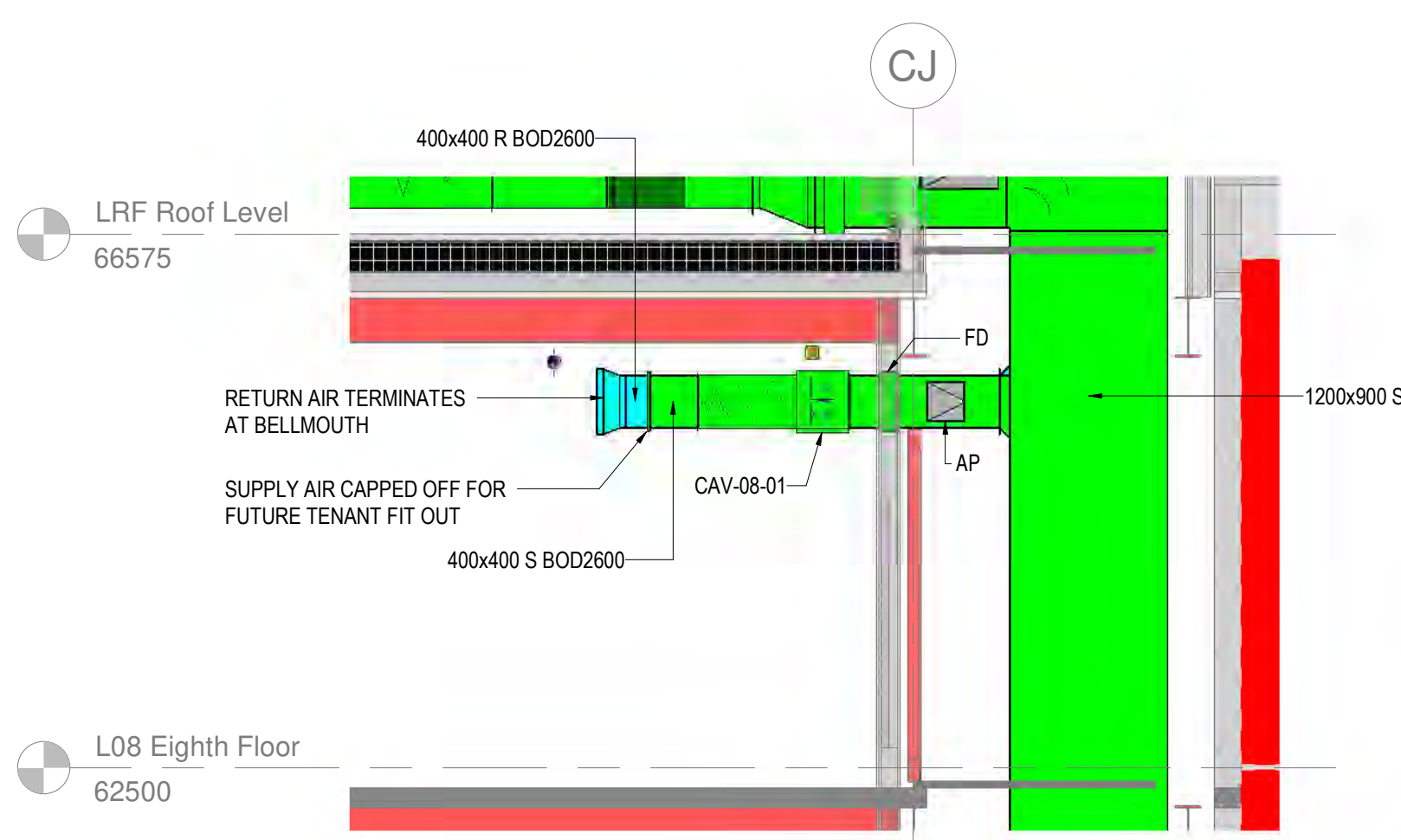
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P01	DESIGN ISSUE	MD	30.11.20
Rev	Description	Drawn	Date
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Client:		Tel: (01920) 799579	
LENLEASE			
Project:			
GLOBE AND SIMPSON (5258)			
Drawing Title:			
LEVEL 08 VENTILATION LAYOUT			
Scale:	As indicated @ A0	Checked:	RC
Drawing Number:	SJQ-102-BAF-XX-L08-DR-M-57401		Revision:
			C01
Suitability:	Drawing Status:		
A1	CONSTRUCTION		
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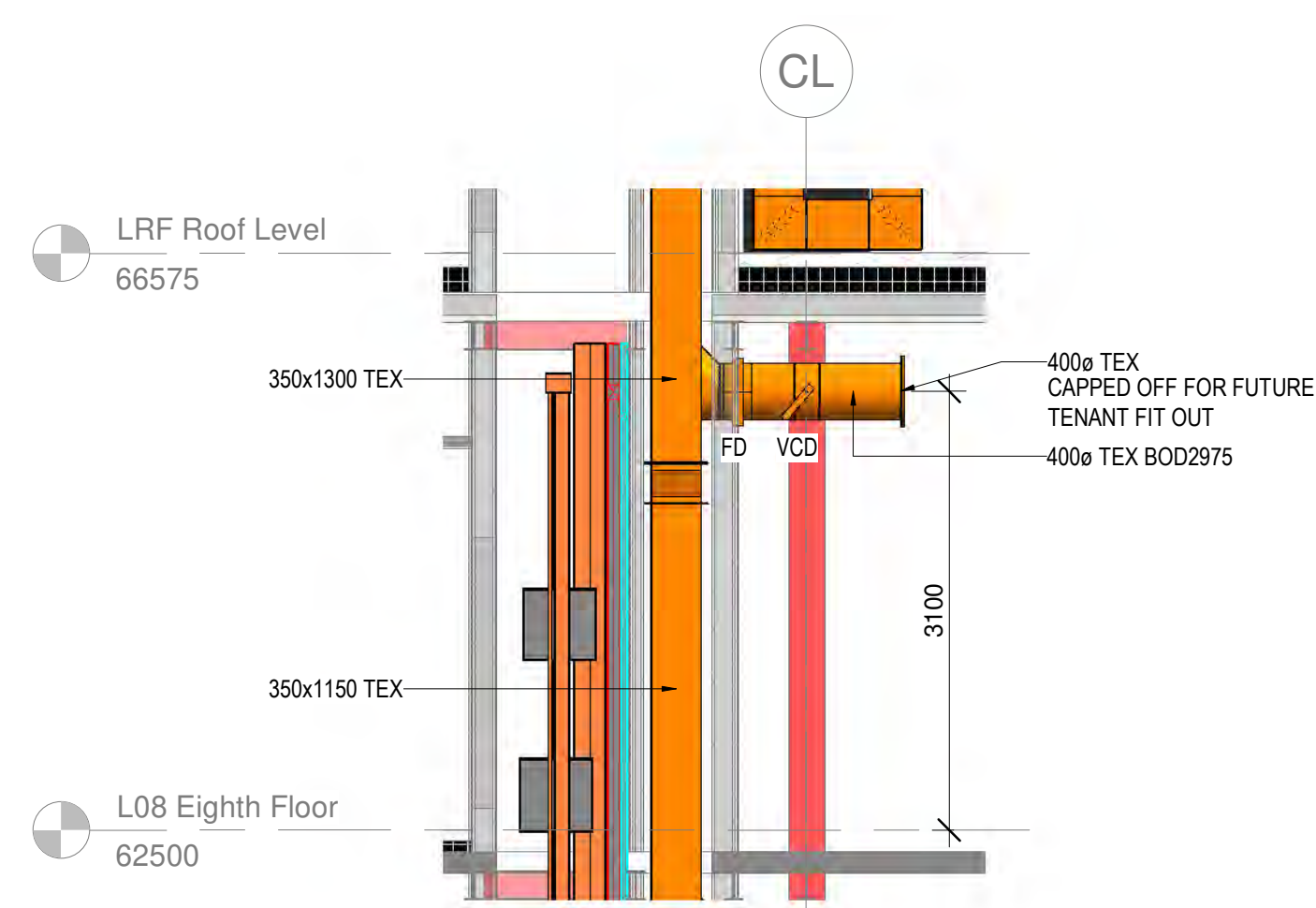
1 L08 Eighth Floor Ventilation Layout
1 : 100



2 Section 08-2
1 : 50



3 Section 08-3
1 : 50



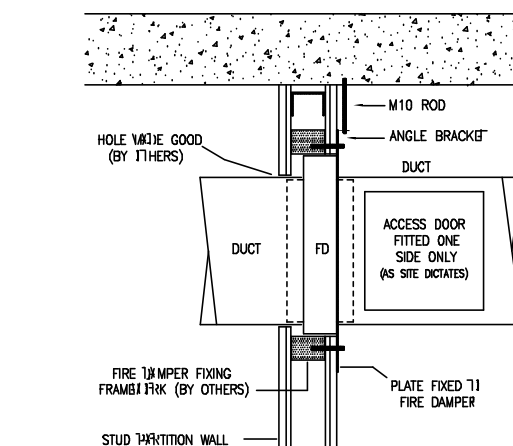
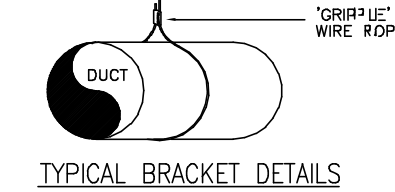
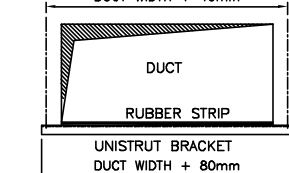
4 Section 08-4
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Building Outline Information	
Architect Model/Drawing Number	Revision
B&F PROJECT NUMBER: 5258	

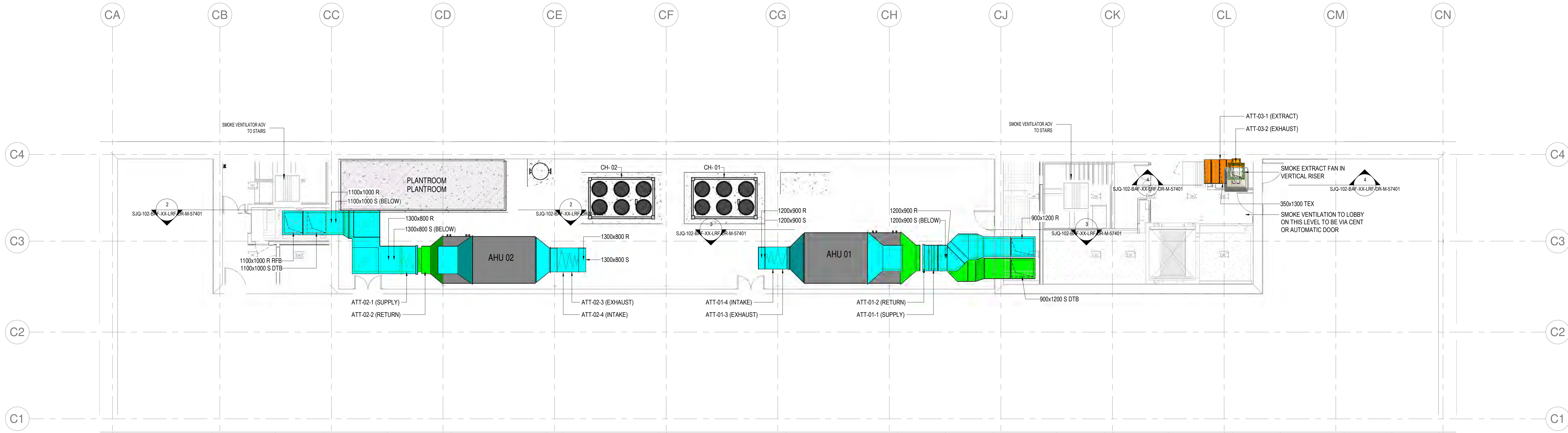
- NOTES
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.
 2. DUCTWORK INSTALLATION TO BE IN ACCORDANCE WITH DW114.
 3. ALL SUPPLY AND EXTRACT DUCTWORK IN ROOF SPACE, RISERS & PLANTROOM TO BE THERMALLY INSULATED.
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 6. TO BE READ IN CONJUNCTION WITH VENTILATION SCHEMATIC SJQ-102-BAF-ZZ-XX-DR-M-575M1 & SMOKE VENTILATION SCHEMATIC SJQ-102-BAF-ZZ-XX-DR-M-575M2
- LEGEND

- FD FIRE DAMPER
AV AIR VALVE
CAV CONSTANT AIR VOLUME BOX
S SUPPLY AIR
R RETURN AIR
TEX TOILET EXTRACT
VCD VOLUME CONTROL DAMPER
ATT ATTENUATOR
AP ACCESS PANEL

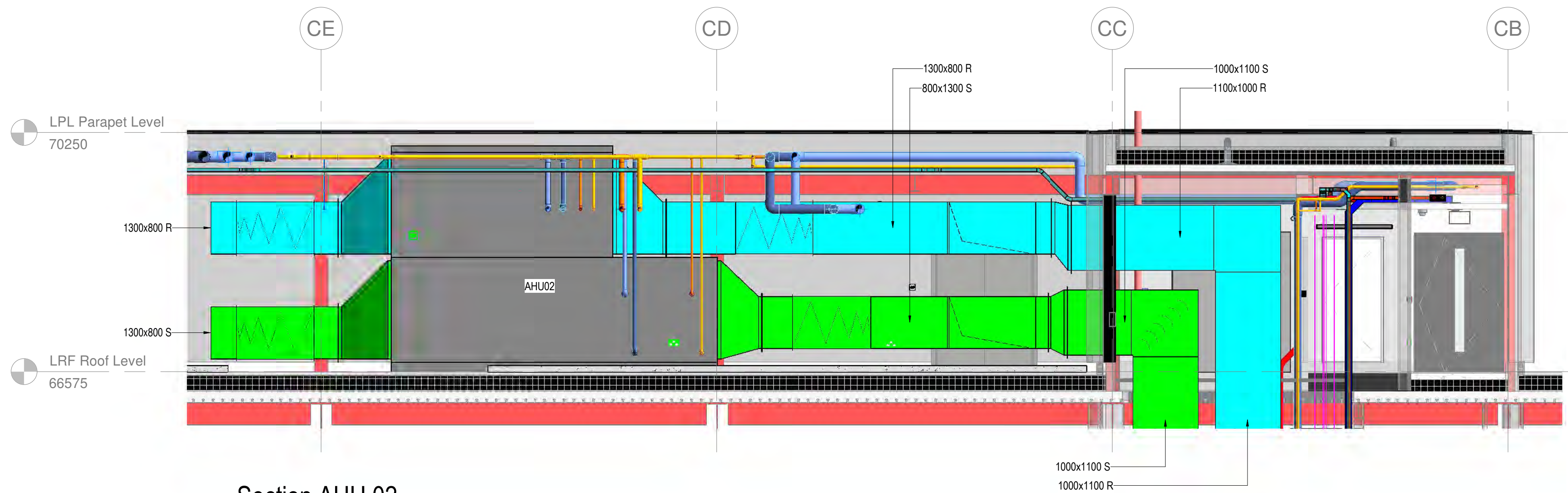
- ABBREVIATIONS
- L TO R LEFT TO RIGHT
T TO B TOP TO BOTTOM
FA FROM ABOVE
DFA DROPS FROM ABOVE
RTA RISE TO ABOVE
TB TO BELOW
DTB DROPS TO BELOW
RFB RISES FROM BELOW
CL CENTRE LINE
BOD BOTTOM OF DUCT
DTLL DROPS TO LOW LEVEL
CI CAST IRON



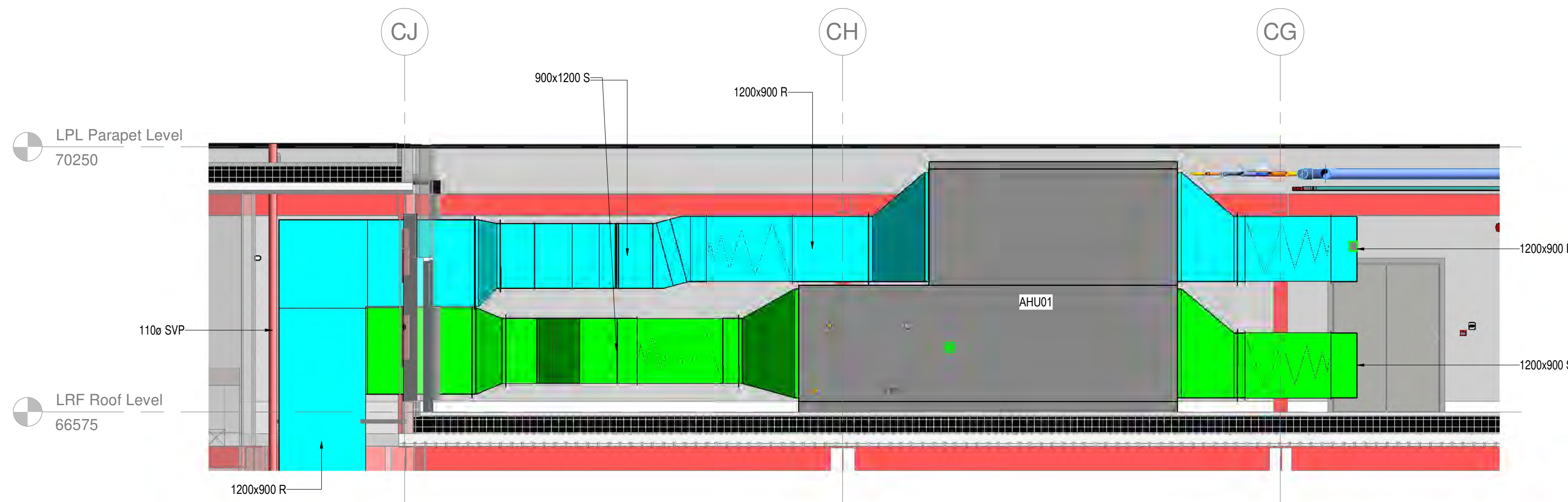
FIRE DAMPER FIXING DETAIL - PARTITION WALL



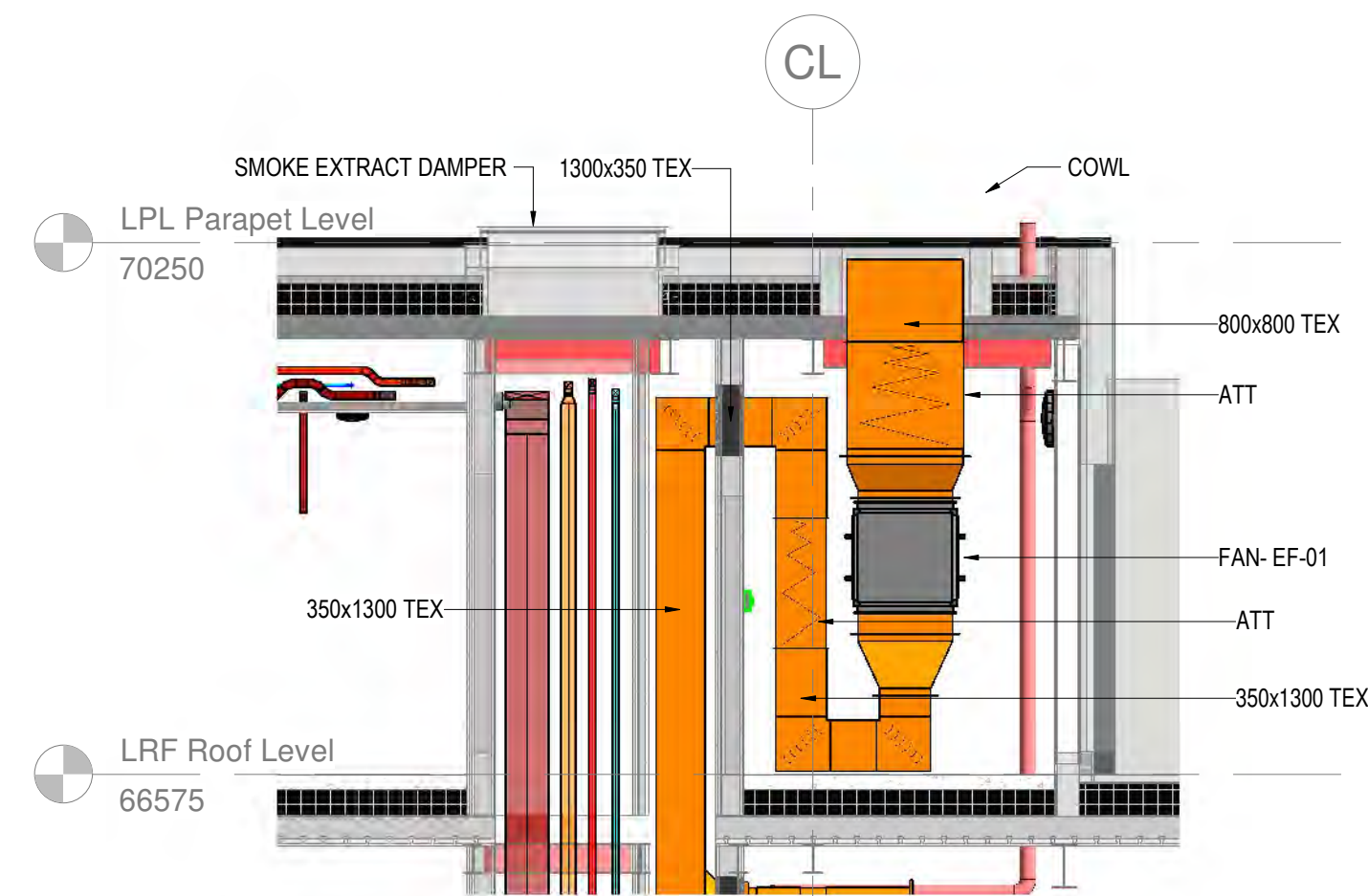
1 LRF Roof Level Ventilation Layout
1 : 100



2 Section AHU 02
1 : 50



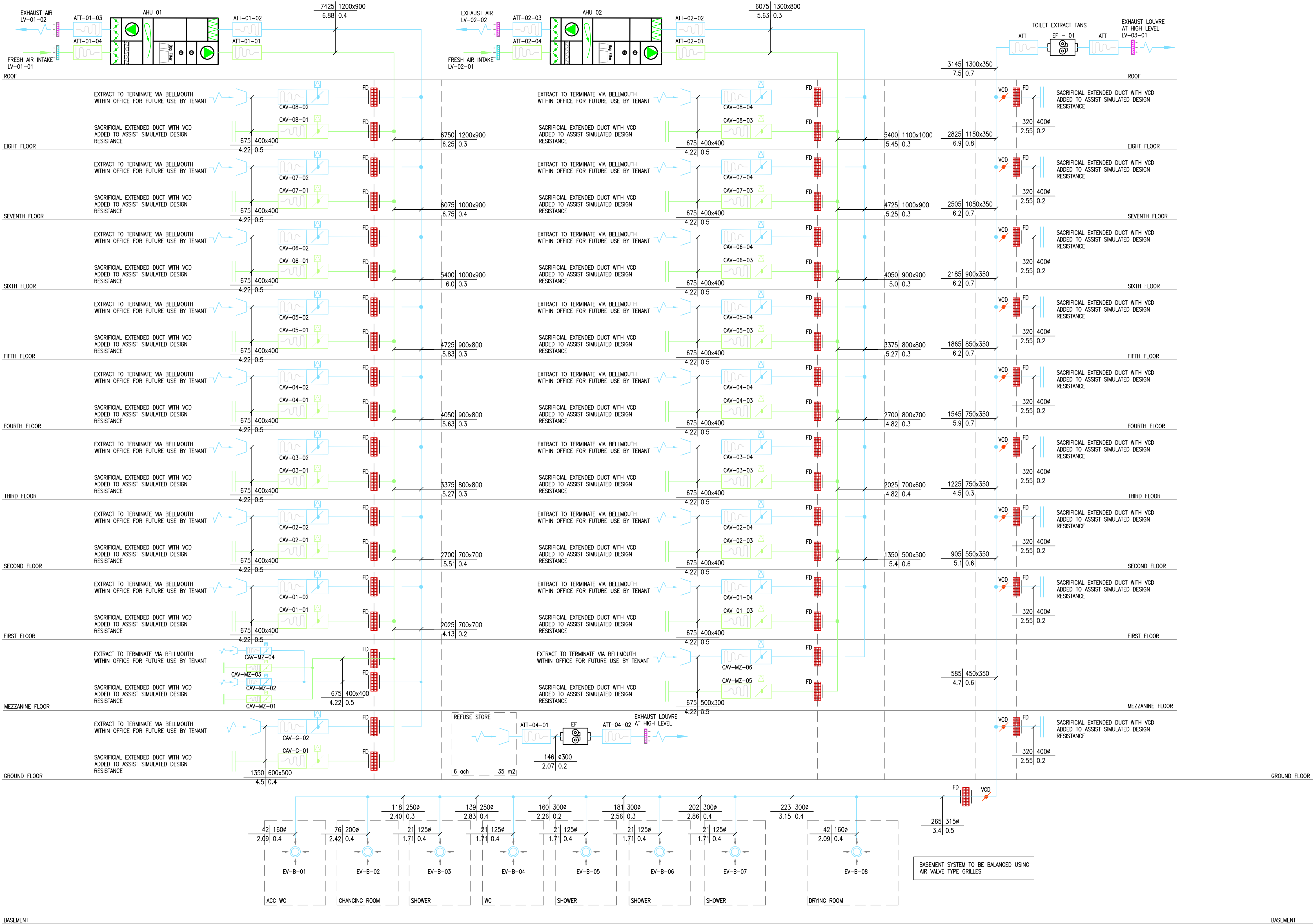
3 Section AHU 01
1 : 50



4 Section TEX1
1 : 50

C01	CONSTRUCTION ISSUE	MD	15.02.21
P01	DESIGN ISSUE	MD	25.01.21
Rev	Description	Drawn	Date
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Tel: (01928) 798279			





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BUILDING OUTLINE DRAWINGS

ARCHITECT / CONSULTANT DRAWING No. REV

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 - THIS DRAWING IS SUBJECT TO FULL CO-ORDINATION OF M&E SERVICES.
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 - DUCTWORK INSTALLATION SHALL BE IN ACCORDANCE WITH DW/144 & THE MECHANICAL & ELECTRICAL SERVICES SPECIFICATION.
 - ALL EXTERNAL SUPPLY AND RETURN AIR DUCTWORK TO BE INSULATED.

LEGEND:

AHU AIR HANDLING UNIT
FD FIRE DAMPER
CAV CONSTANT AIR VOLUME

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	ATTENUATOR		EXTRACT FAN
	CROSS TALK ATTENUATOR		TOILET EXTRACT AIR VALVE
	CONSTANT AIR VOLUME DAMPER C/W ATTENUATOR		SUPPLY LOUVRE
	VOLUME CONTROL DAMPER		EXTRACT LOUVRE
	FIRE DAMPER		PRE FILTER

C02	31/03/21	CONSTRUCTION ISSUE	RC	PMcG
C01	25/01/21	CONSTRUCTION ISSUE	RC	PMcG
P01	09/10/20	DESIGN ISSUE	RC	PMcG
Rev	Date	Description	Drn	Chkd

CONSTRUCTION

Client.
LENLEASE

Project.
GLOBE & SIMPSON (5258)

Description.
VENTILATION SCHEMATIC

Scale. NTS A1

Date. AUGUST 2020

Drawn By. RC Checked. PMcG

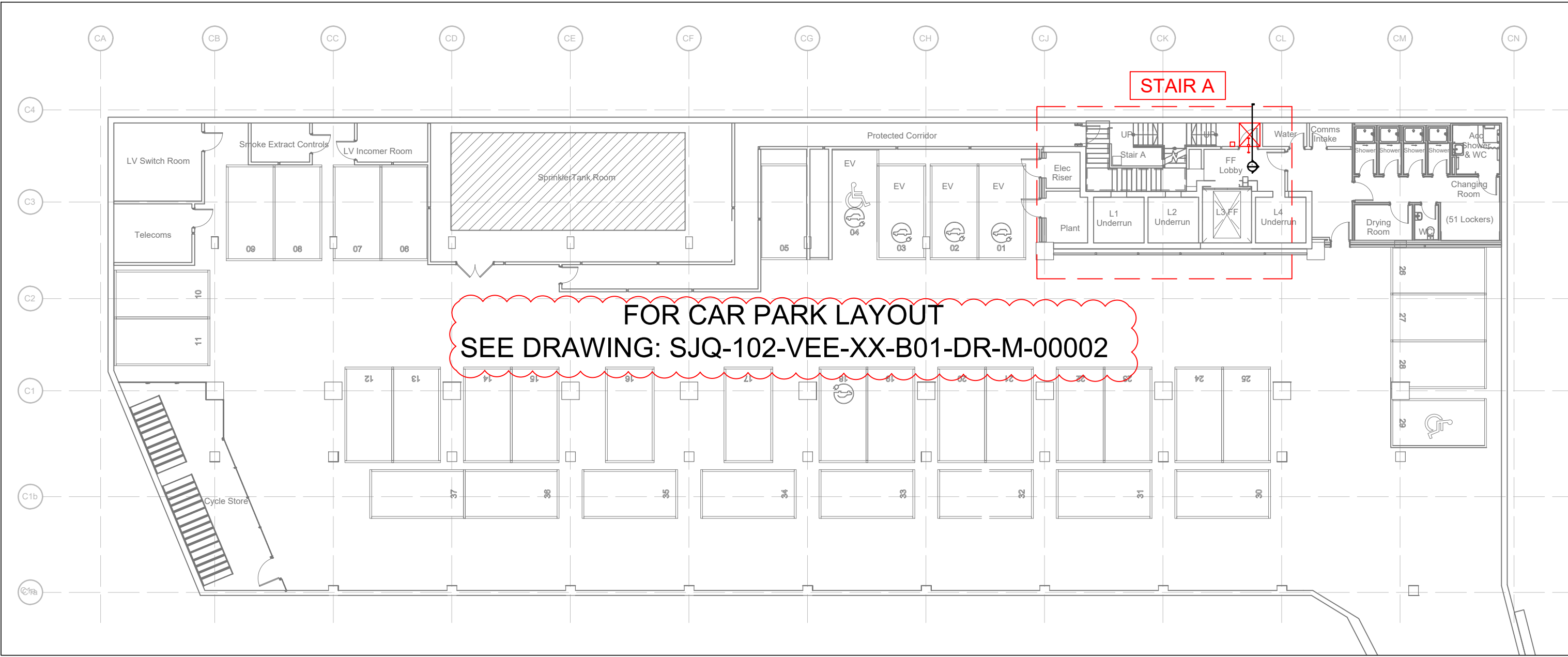
DRAWING No. SJQ-102-BAF-ZZ-XX-DR-M-57941 Rev. C02



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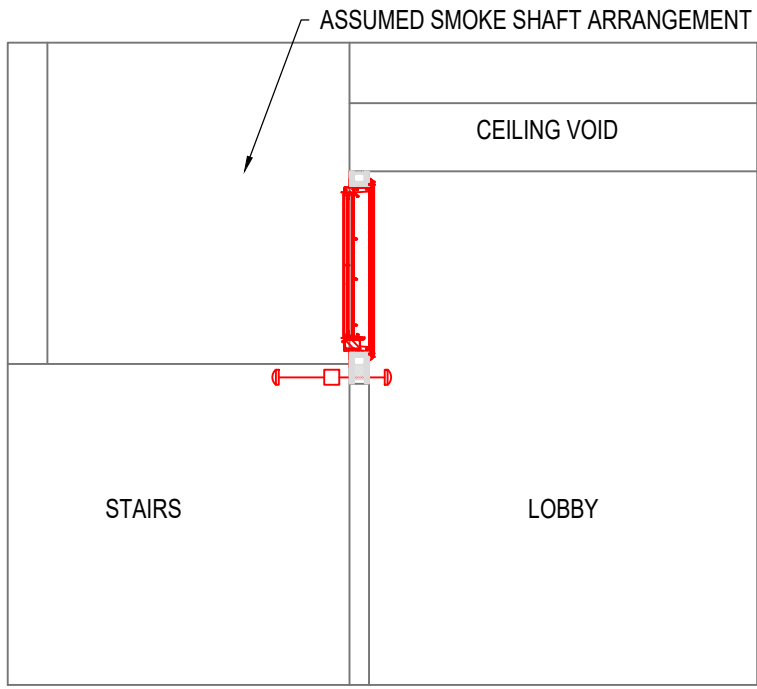
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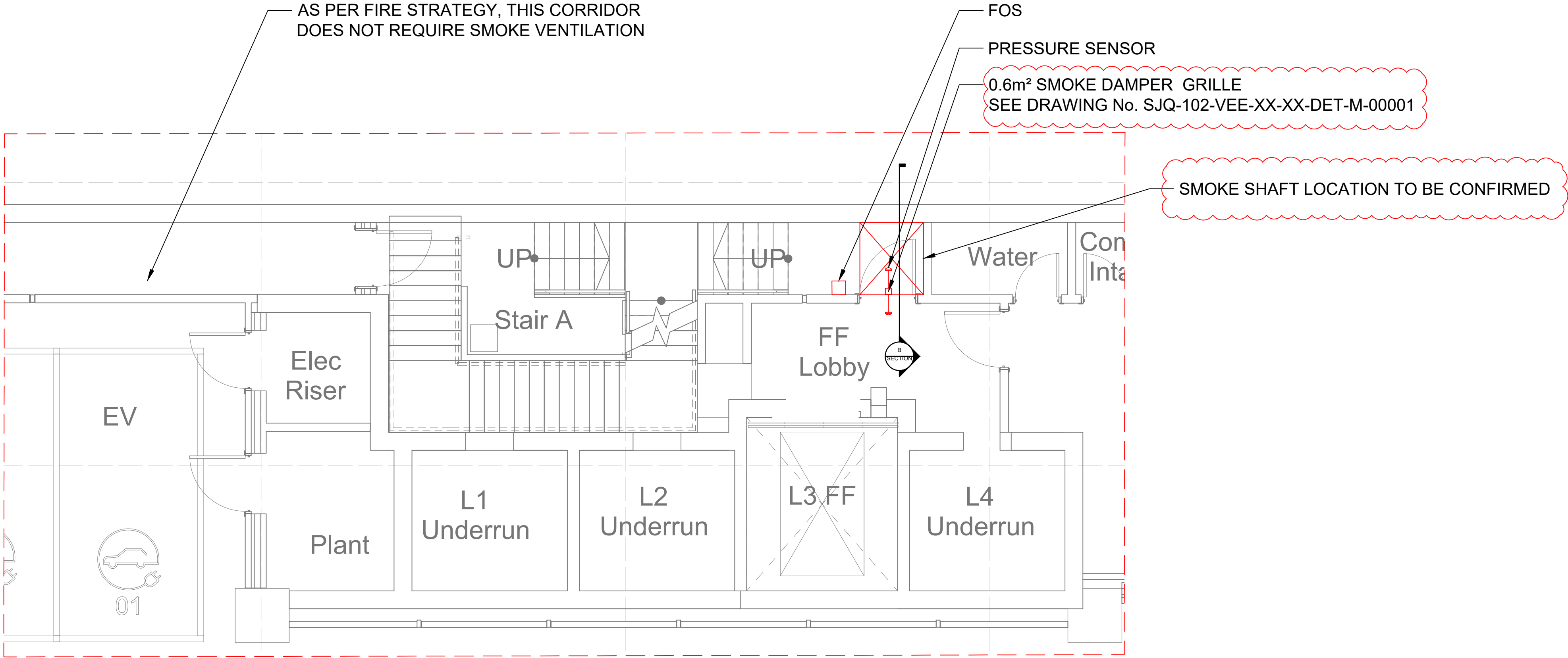
LEVEL B1 BASEMENT
(SCALE 1:200)

ALL DIMENSIONS ARE IN MILLIMETRES

MECHANICAL SMOKE SHAFTS:
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SECTION (B) VIEW OF
ASSUMED SMOKE SHAFT
(SCALE 1:50)



STAIR A
(SCALE 1:50)

LEVEL B1 BASEMENT

LAYOUT DETAIL TAKEN FROM:
SJQ-102-AXS-XX-B01-DR-A-20199 REV. C03

B	09.11.21	DRAWING NUMBER CHANGE CLIENT REQUEST	CIP	RA
A	07.06.21	ISSUED FOR APPROVAL	CIP	RA
REV.	DATE	DETAILS	DRW/CHK BY	BY

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PROJECT
ST JOHN'S QUARTER

SALES ORDER No.
621400

DRAWING TITLE
LEVEL B1 BASEMENT
FLOOR LAYOUT

DRAWING STATUS
☐ PRELIMINARY ☒ APPROVAL
☐ CONSTRUCTION ☐ AS BUILT
☐ INFORMATION ONLY

DRAWN BY DATE SCALE SHEET SIZE
CIP 17.05.21 AS SHOWN A1

DRAWING No. REV.
SJQ-102-VEE-XX-B01-M-00001 B

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FAN CONTROL PANEL

CO DETECTOR HEADS

CO DETECTOR HEADS

100N INDUCTION FAN
SEE DRAWING No.
SJQ-102-VEE-XX-XX-DET-M-00004

SMOKE EXTRACT PLANT & DUCT WORK
SEE DRAWING No.
SJQ-102-VEE-XX-XX-DR-M-00002

100N INDUCTION FAN
SEE DRAWING No.
SJQ-102-VEE-XX-XX-DET-M-00004

50N INDUCTION FAN
SEE DRAWING No.
SJQ-102-VEE-XX-XX-DET-M-00003

50N INDUCTION FAN
SEE DRAWING No.
SJQ-102-VEE-XX-XX-DET-M-00003

CAR PARK
(SCALE 1:125)

FOS

B	09.11.21	DRAWING NUMBER CHANGE CLIENT REQUEST	CIP	RA
A	14.06.21	ISSUED FOR APPROVAL	CIP	RA
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SALES ORDER No.
621400

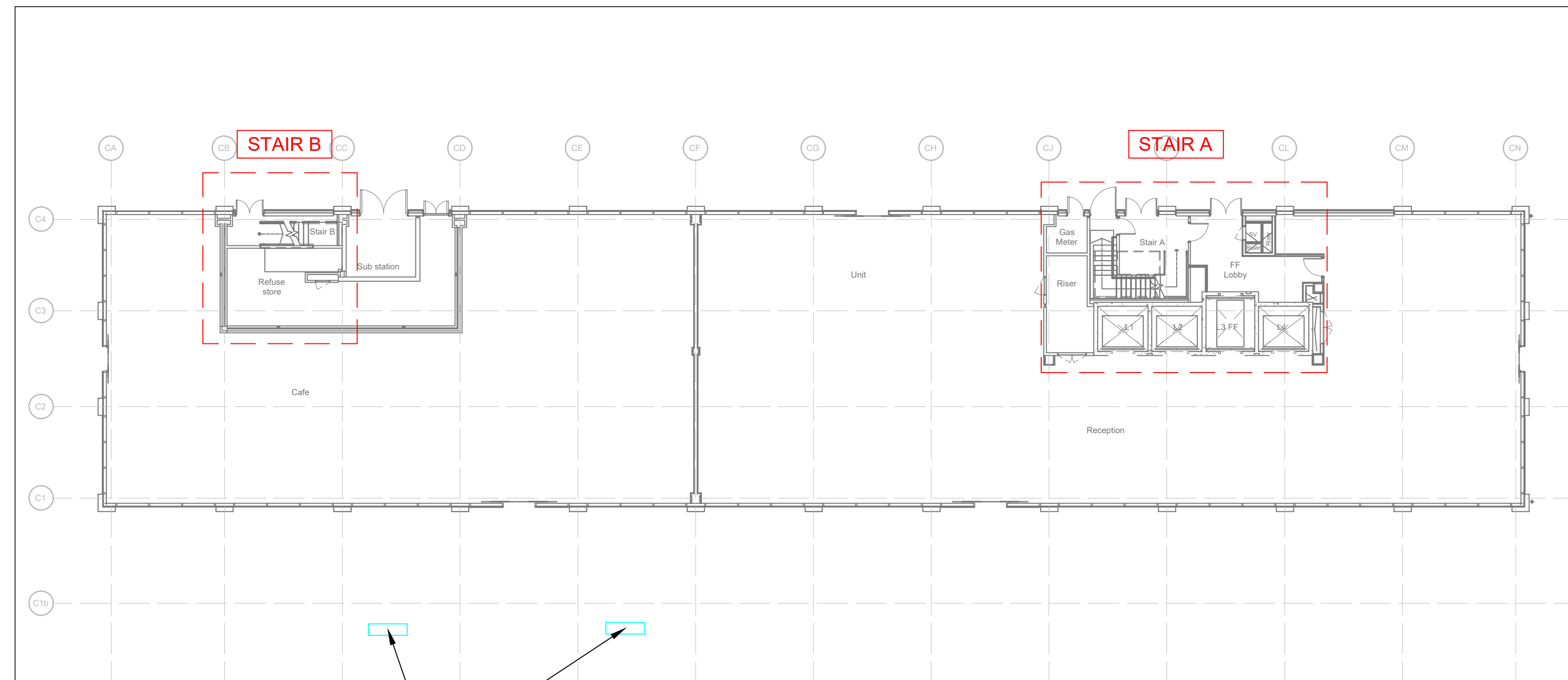
DRAWING TITLE
CAR PARK LAYOUT

DRAWING STATUS
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DRAWN BY DATE SCALE SHEET SIZE
CIP 18.05.21 AS SHOWN A1

DRAWING No. REV
SJQ-102-VEE-XX-B01-DR-M-00002 B

LAYOUT DETAIL TAKEN FROM:
SJQ-102-AXS-XX-B01-DR-A-20199 REV. P12

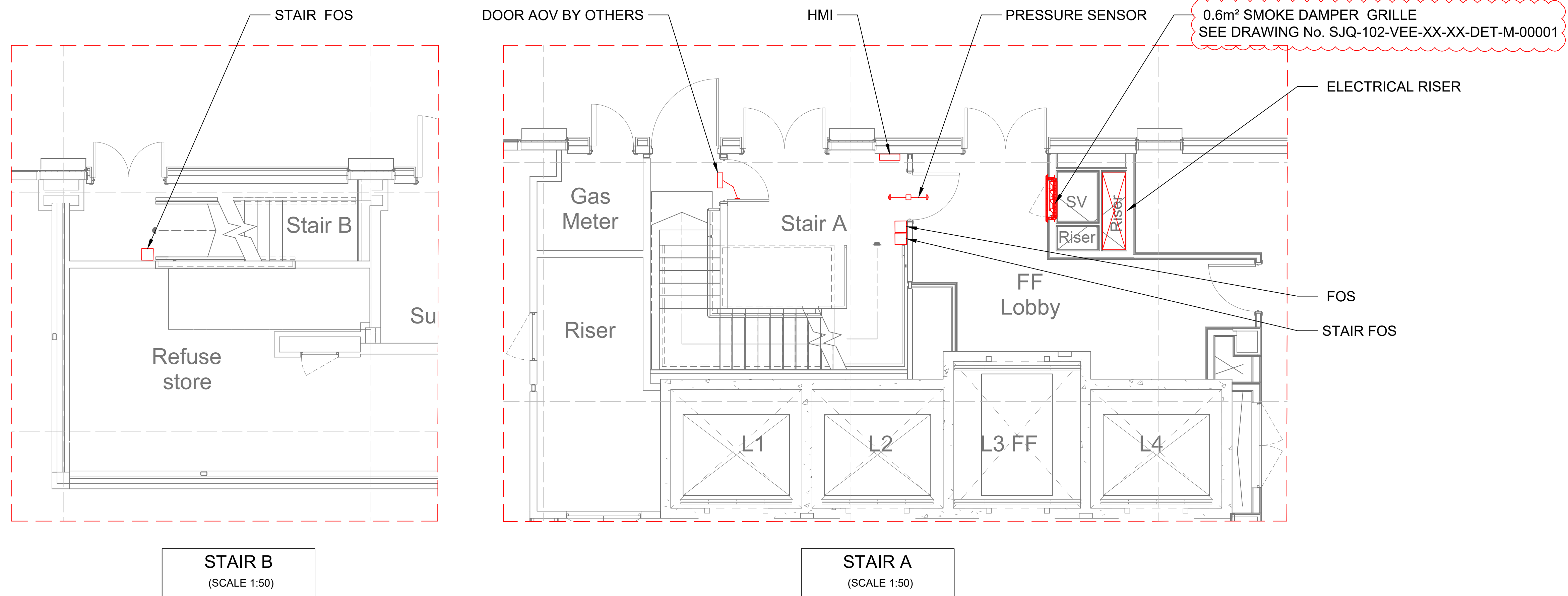


CAR PARK EXTRACT LOCATIONS
SEE DRAWINGS: SJQ-102-VEE-XX-B01-DR-M-00002 &
SJQ102-VEE-XX-XX-DR-M-00002

LEVEL 00 GROUND
(SCALE 1:200)

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LEVEL 00 GROUND

LAYOUT DETAIL TAKEN FROM:
SJQ-102-AXS-XX-L00-DR-A-20200 REV. C02

B	09.11.21	DRAWING NUMBER CHANGE CLIENT REQUEST	CIP	RA
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DRAWING TITLE
LEVEL 00 GROUND
FLOOR LAYOUT

DRAWING STATUS

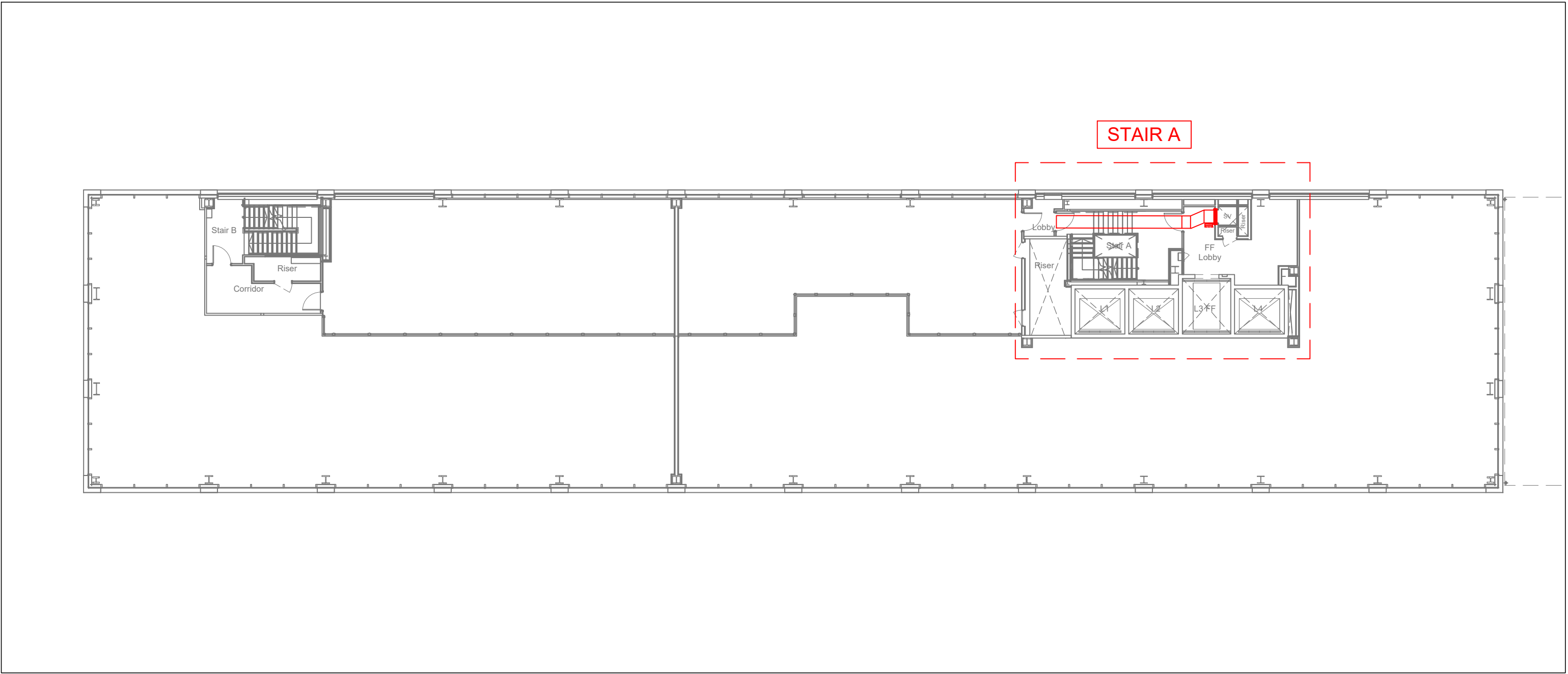
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DRAWN BY	DATE	SCALE	SHEET SIZE
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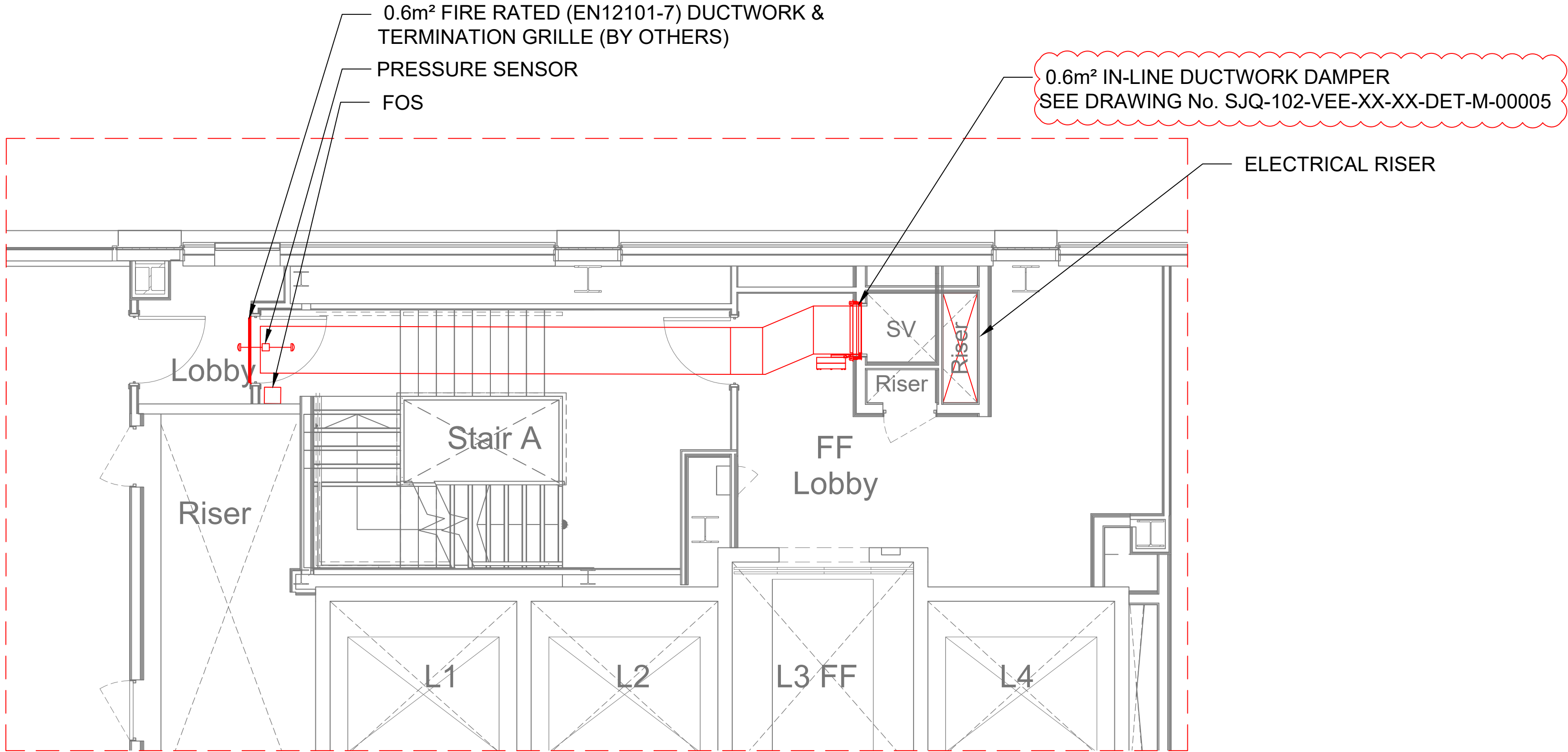
DRAWING No.	REV
SJQ-102-VEE-XX-L00-DR-M-00001	B

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LEVEL 00M MEZZANINE
(SCALE 1:200)



STAIR A
(SCALE 1:50)

LEVEL 00M MEZZANINE

LAYOUT DETAIL TAKEN FROM:
SJQ-102-AXS-XX-L00M-DR-A-20201 REV. C03

B	09.11.21	DRAWING NUMBER CHANGE CLIENT REQUEST	CIP	RA
A	17.05.21	ISSUED FOR APPROVAL	CIP	RA
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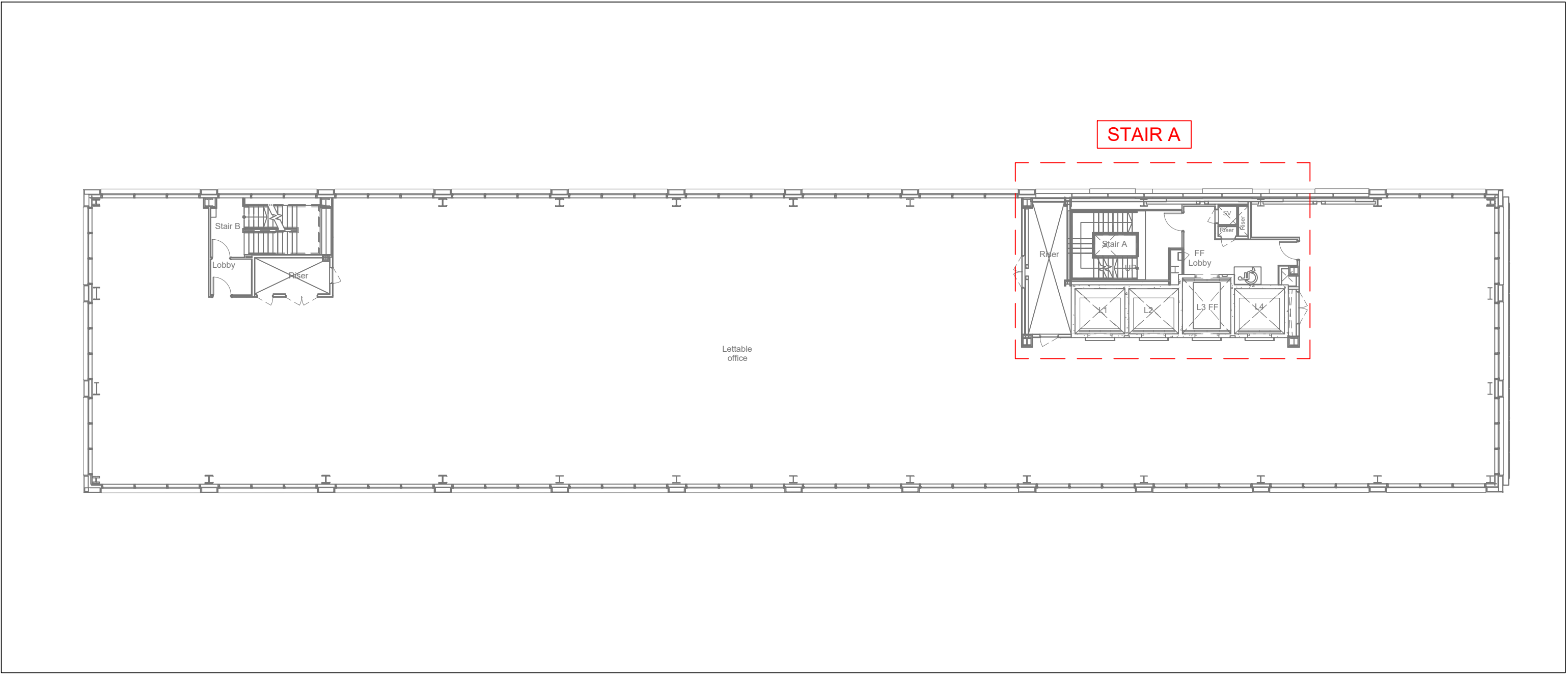
SALES ORDER No.
621400

DRAWING TITLE
LEVEL 00M MEZZANINE
FLOOR LAYOUT

DRAWING STATUS
☐ PRELIMINARY
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☐ AS BUILT

DRAWN BY DATE SCALE SHEET SIZE
CIP 17.05.21 AS SHOWN A1

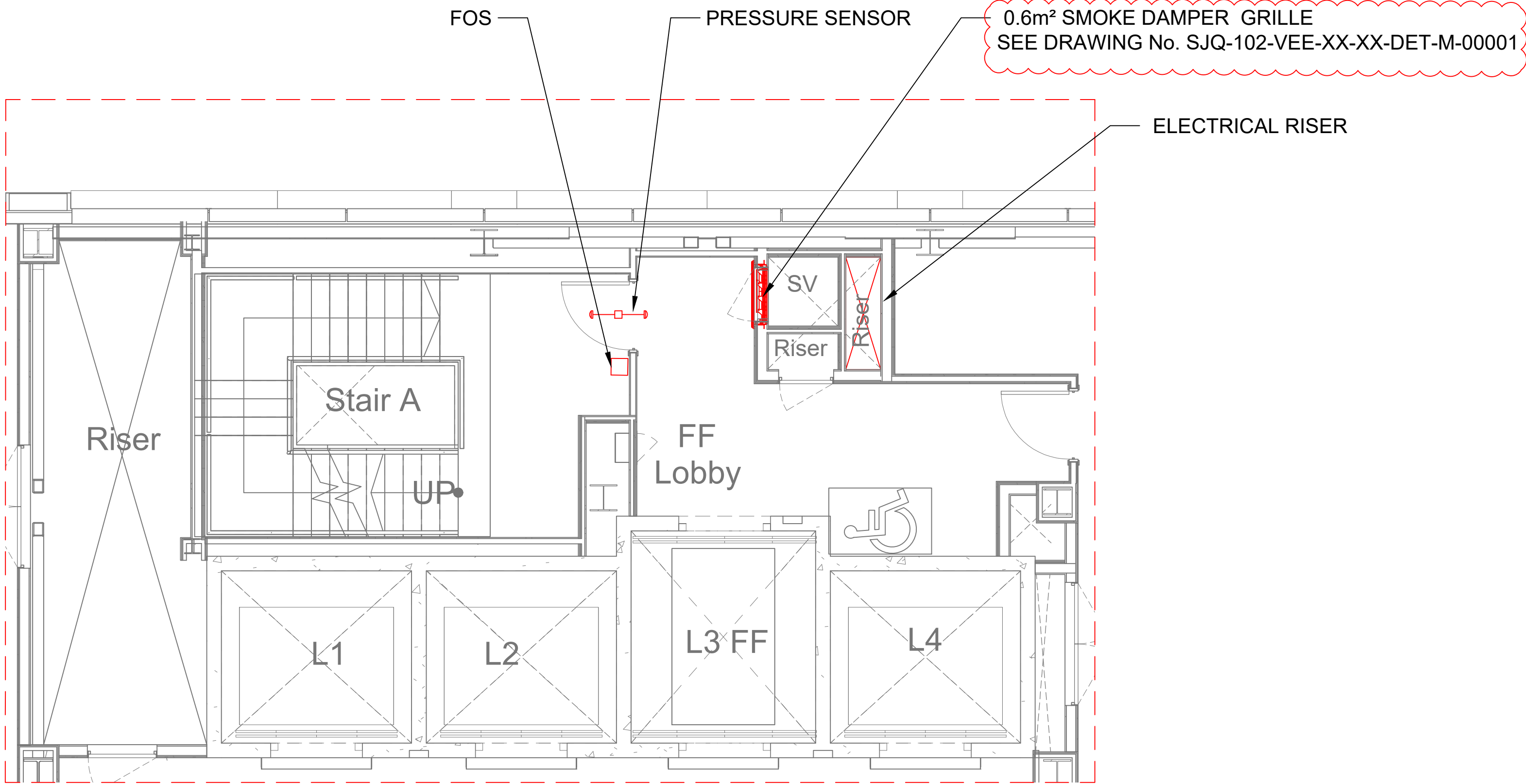
DRAWING No. REV
SJQ-102-VEE-XX-L00M-DR-M-00001 B



LEVEL 01 FIRST FLOOR
(SCALE 1:200)

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STAIR A
(SCALE 1:50)

LEVELS 01 TO 08

LAYOUT DETAIL TAKEN FROM:
SJQ-102-AXS-XX-L01-DR-A-20202 REV. C01

B	09.11.21	DRAWING NUMBER CHANGE CLIENT REQUEST	CIP	RA
A	17.05.21	ISSUED FOR APPROVAL	CIP	RA
REV	DATE	DETAILS	DRW/CHK BY	BY

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ST JOHN'S QUARTER

SALES ORDER No.
621400

DRAWING TITLE
LEVELS 01 to 08
FLOOR LAYOUT

DRAWING STATUS
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☐ CONSTRUCTION
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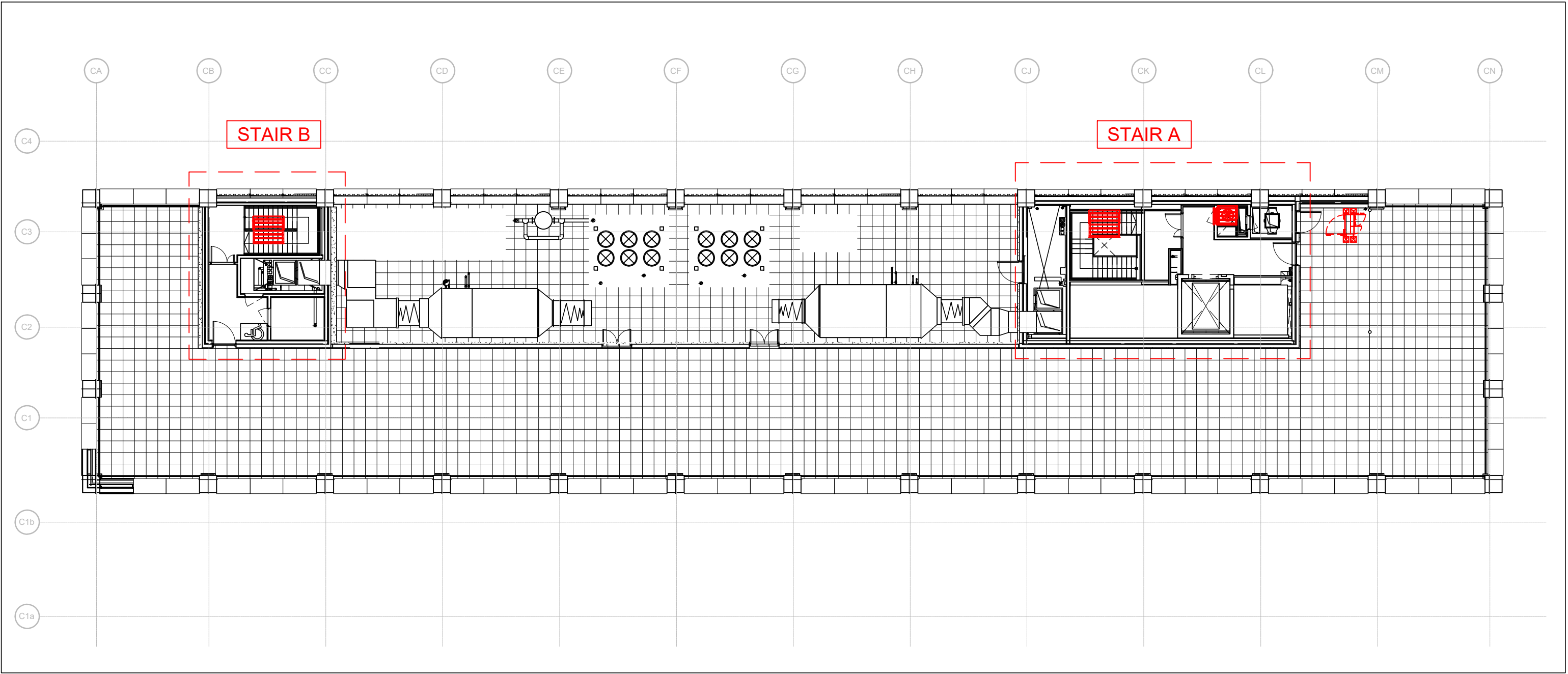
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CIP 17.05.21 AS SHOWN A1

DRAWING No.
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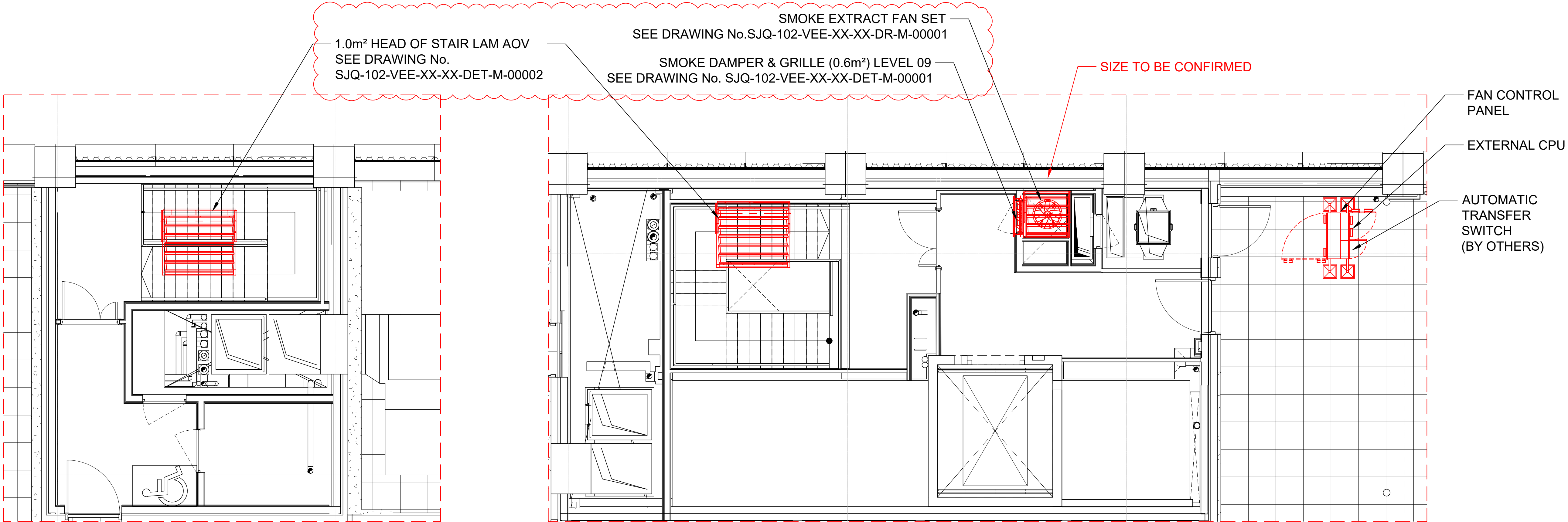
REV
B

ALL DIMENSIONS ARE IN MILLIMETRES

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THE SMOKE SHAFT IS A BUILDERS WORK RISER (BY OTHERS). IT MUST BE TO THE AGREED DIMENSIONS, WITH A SMOOTH INTERNAL FINISH & SUFFICIENTLY SEALED TO LIMIT THE LEAKAGE RATE TO 3.8m³/h/m² AT 50Pa. NO OTHER BUILDING SERVICES SHOULD BE CONTAINED WITHIN THE SMOKE SHAFT.



ROOF LEVEL / LEVEL 09
(SCALE 1:200)



STAIR B
(SCALE 1:50)

STAIR A
(SCALE 1:50)

ROOF

LAYOUT DETAIL TAKEN FROM:
SJQ-102-AXS-XX-LPLF-DR-A-20211 REV. P08

C	08.11.21	DRAWING NUMBER CHANGE CLIENT REQUEST	CIP	RA
B	20.10.21	DAMPER ADDED TO LEVEL 09	SRA	RA
A	17.05.21	ISSUED FOR APPROVAL	CIP	RA
REV	DATE	DETAILS	DRW/CHK BY	BY

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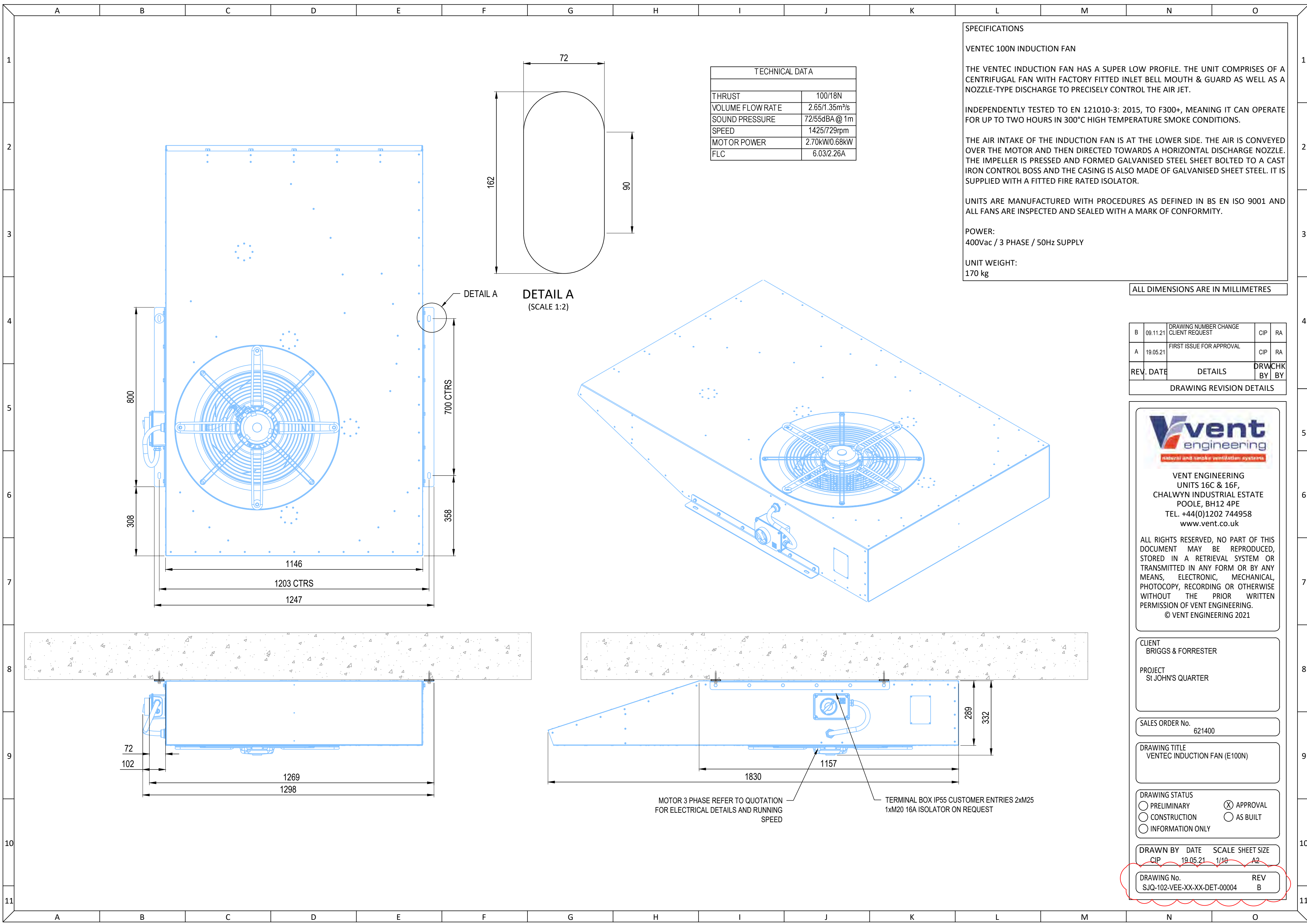
SALES ORDER No.
621400

DRAWING TITLE
ROOF LAYOUT

DRAWING STATUS
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DRAWN BY DATE SCALE SHEET SIZE
CIP 17.05.21 AS SHOWN A1

DRAWING No. REV
SJQ-102-VEE-XX-LRF-DR-M-00001 C



ALL DIMENSIONS ARE IN MILLIMETRES

B	09.11.21	DRAWING NUMBER CHANGE CLIENT REQUEST	CIP	RA
A	19.05.21	FIRST ISSUE FOR APPROVAL	CIP	RA
REV.	DATE	DETAILS	DRWCHK BY	BY
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PROJECT
St JOHN'S QUARTER

SALES ORDER No.
621400

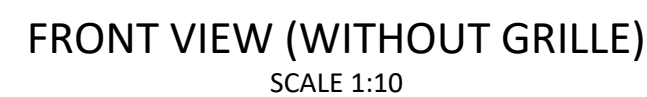
DRAWING TITLE
VENTEC INDUCTION FAN (E100N)

DRAWING STATUS

☐ PRELIMINARY ☒ APPROVAL
☐ CONSTRUCTION ☐ AS BUILT
☐ INFORMATION ONLY

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CIP 19.05.21 1/10 A2

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SJQ-102-VEE-XX-XX-DET-00004 B



ISOMETRIC VIEW
INDICATIVE SIZED DAMPER

B	09.11.21	DRAWING NUMBER CHANGE CLIENT REQUEST	CIP	RA
A	10.05.21	FIRST ISSUE FOR APPROVAL	CIP	RA
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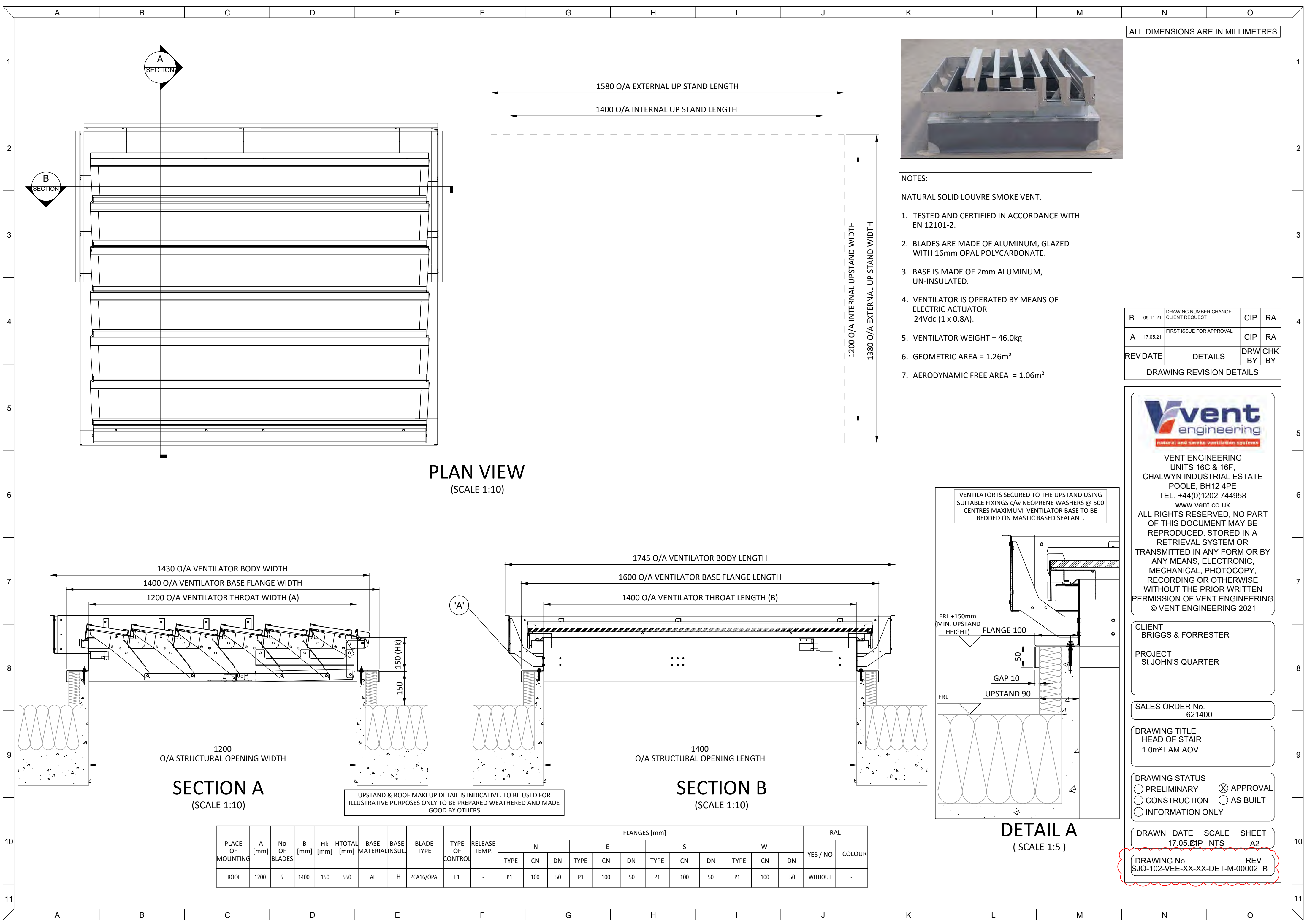
DRAWING TITLE
VENTEC SMOKE DAMPER & GRILLE
0.6m²

DRAWING STATUS

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☐ CONSTRUCTION	☐ AS BUILT
☐ INFORMATION ONLY	

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SJQ-102-VEE-XX-XX-DET-M-00001 B



ALL DIMENSIONS ARE IN MILLIMETRES



- NOTES:
- NATURAL SOLID LOUVRE SMOKE VENT.
- TESTED AND CERTIFIED IN ACCORDANCE WITH EN 12101-2.
 - BLADES ARE MADE OF ALUMINUM, GLAZED WITH 16mm OPAL POLYCARBONATE.
 - BASE IS MADE OF 2mm ALUMINUM, UN-INSULATED.
 - VENTILATOR IS OPERATED BY MEANS OF ELECTRIC ACTUATOR 24Vdc (1 x 0.8A).
 - VENTILATOR WEIGHT = 46.0kg
 - GEOMETRIC AREA = 1.26m²
 - AERODYNAMIC FREE AREA = 1.06m²

B	09.11.21	DRAWING NUMBER CHANGE CLIENT REQUEST	CIP	RA
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DRAWING TITLE
HEAD OF STAIR
1.0m² LAM AOV

DRAWING STATUS
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☐ CONSTRUCTION ☐ AS BUILT
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DRAWN DATE SCALE SHEET
17.05.21 P NTS A2

DRAWING No. REV
SJQ-102-VEE-XX-XX-DET-M-00002 B

TECHNICAL DATA	
THRUST	54/12N
VOLUME FLOW RATE	1.62/0.80m³/s
SOUND PRESSURE	67/40dBA @ 1m
SPEED	1449/733rpm
MOTOR POWER	1.38kW/0.35kW
FLC	3.20/1.36A

SPECIFICATIONS

VENTEC 50N INDUCTION FAN

THE VENTEC INDUCTION FAN HAS A SUPER LOW PROFILE. THE UNIT COMPRISES OF A CENTRIFUGAL FAN WITH FACTORY FITTED INLET BELLMOUTH & GUARD AS WELL AS A NOZZLE-TYPE DISCHARGE TO PRECISELY CONTROL THE AIR JET.

INDEPENDENTLY TESTED TO EN 121010-3: 2015, TO F300+, MEANING IT CAN OPERATE FOR UP TO TWO HOURS IN 300°C HIGH TEMPERATURE SMOKE CONDITIONS.

THE AIR INTAKE OF THE INDUCTION FAN IS AT THE LOWER SIDE. THE AIR IS CONVEYED OVER THE MOTOR AND THEN DIRECTED TOWARDS A HORIZONTAL DISCHARGE NOZZLE. THE IMPELLER PRESSED AND FORMED GALVANISED SHEET STEEL. IT IS SUPPLIED WITH A FITTED FIRE RATED ISOLATOR.

UNITS ARE MANUFACTURED WITH PROCEDURES AS DEFINED IN BS EN ISO 9001 AND ALL FANS ARE INSPECTED AND SEALED WITH A MARK OF CONFORMITY.

POWER:
400 Vac / 3 PHASE / 50 Hz SUPPLY

UNIT WEIGHT:
120 kg

ALL DIMENSIONS ARE IN MILLIMETRES

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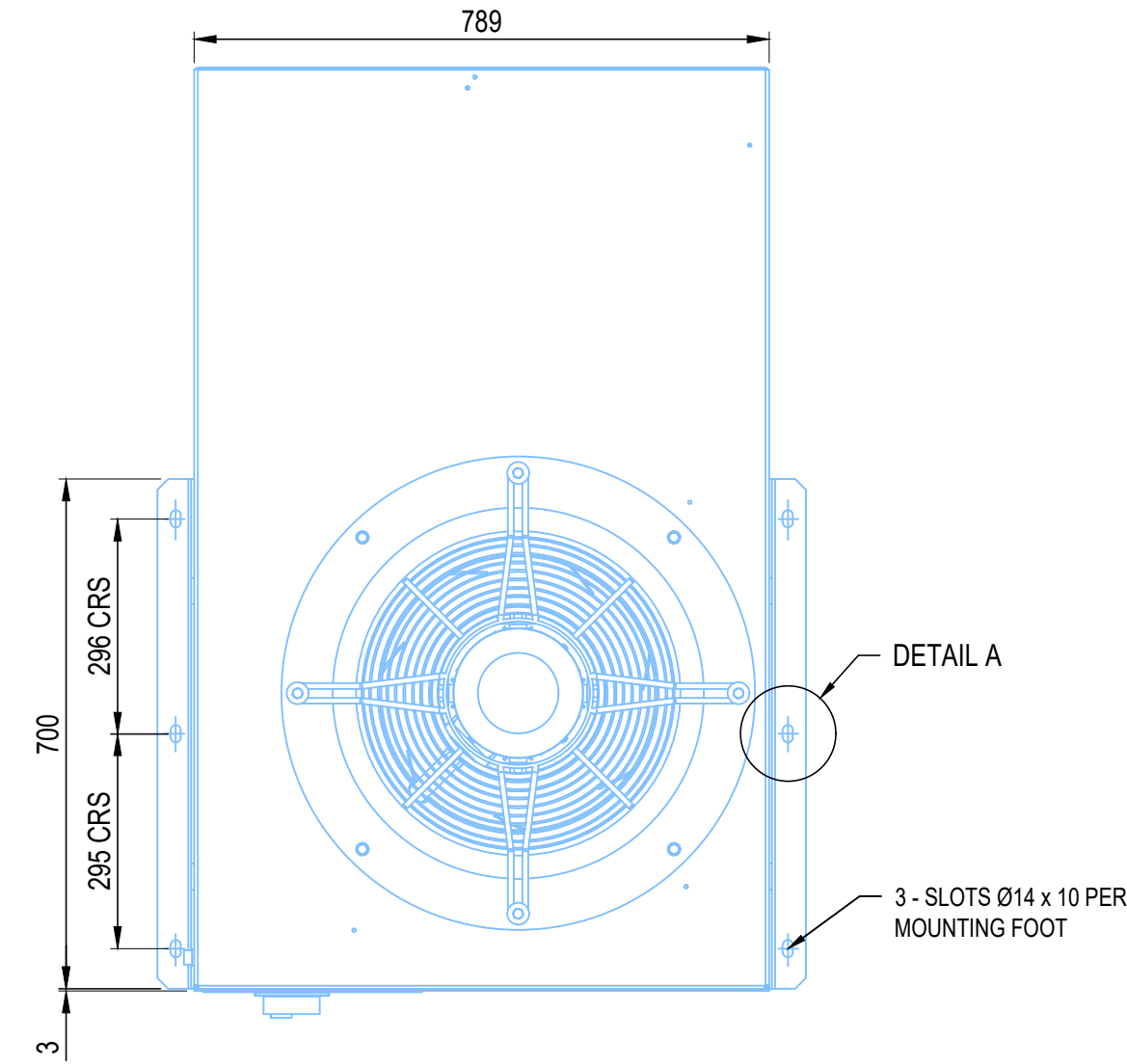
SALES ORDER No.
621400

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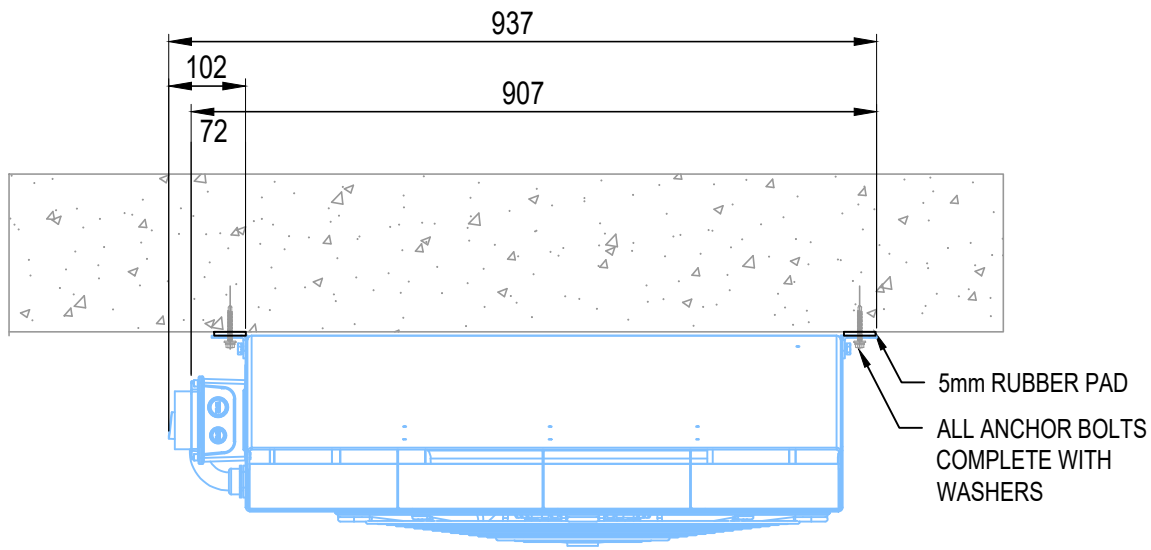
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☐ CONSTRUCTION ☐ AS BUILT
☐ INFORMATION ONLY

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CIP 19.05.21 1/10 A2

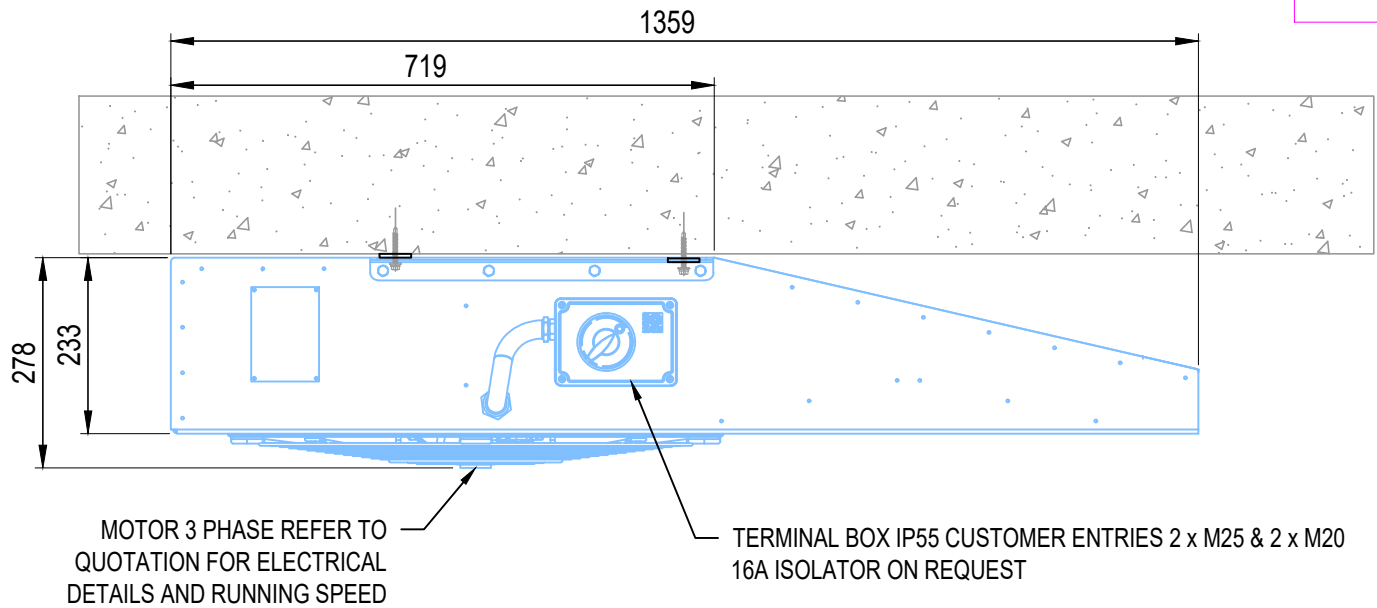
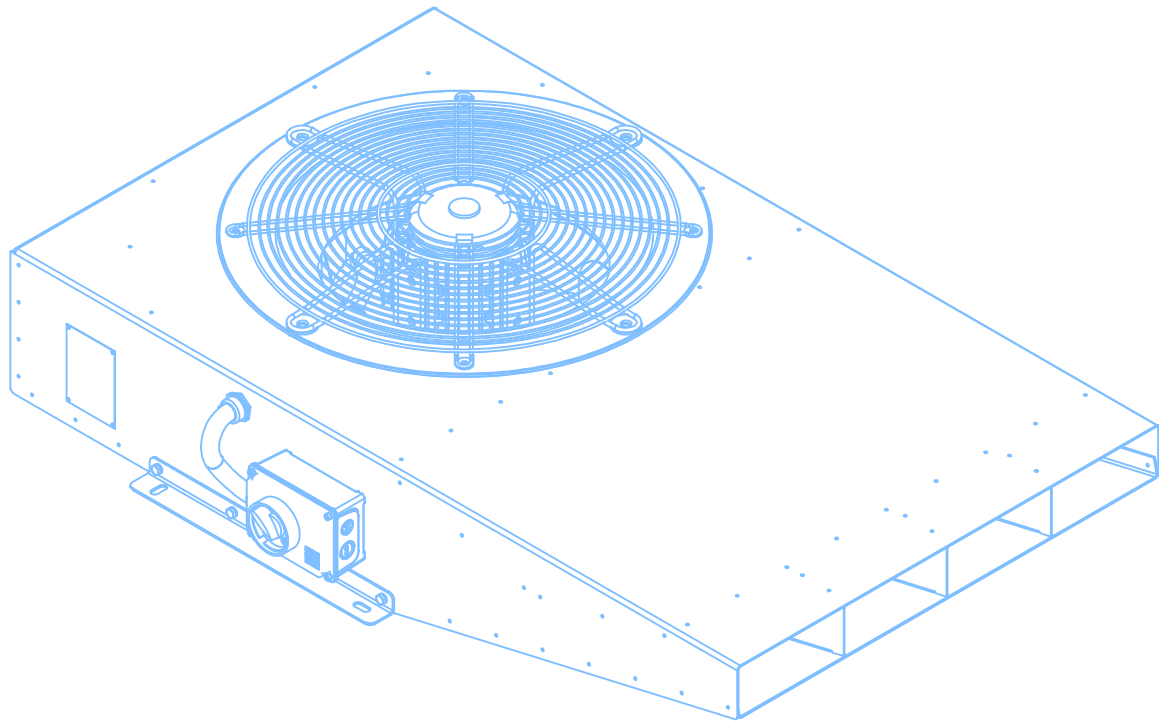
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SJQ-102-VEE-XX-XX-DET-M-00003 B



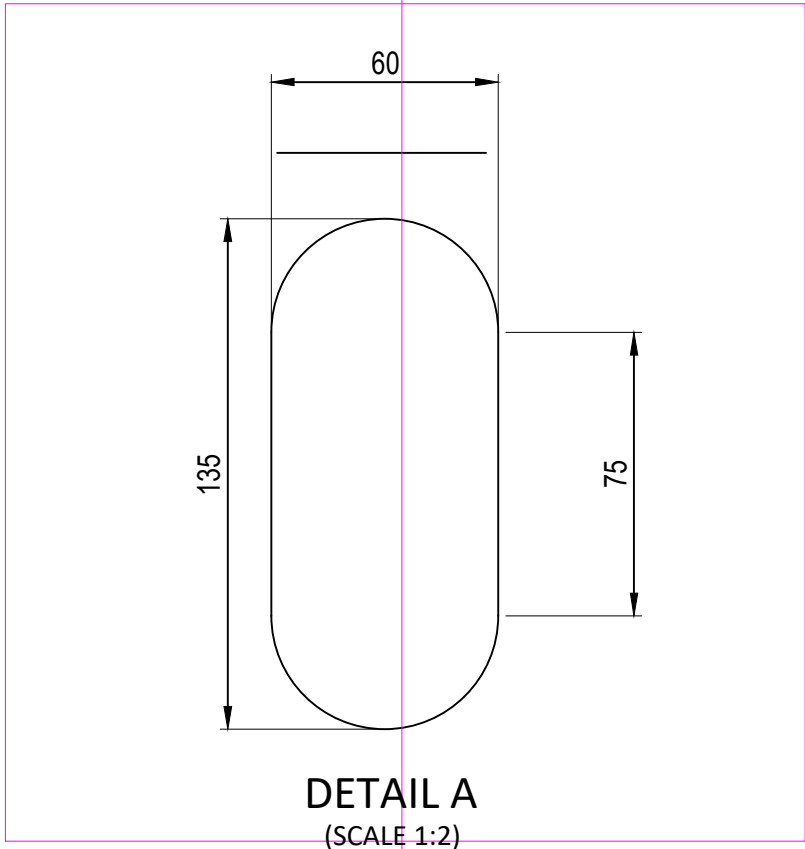
UNDERSIDE VIEW



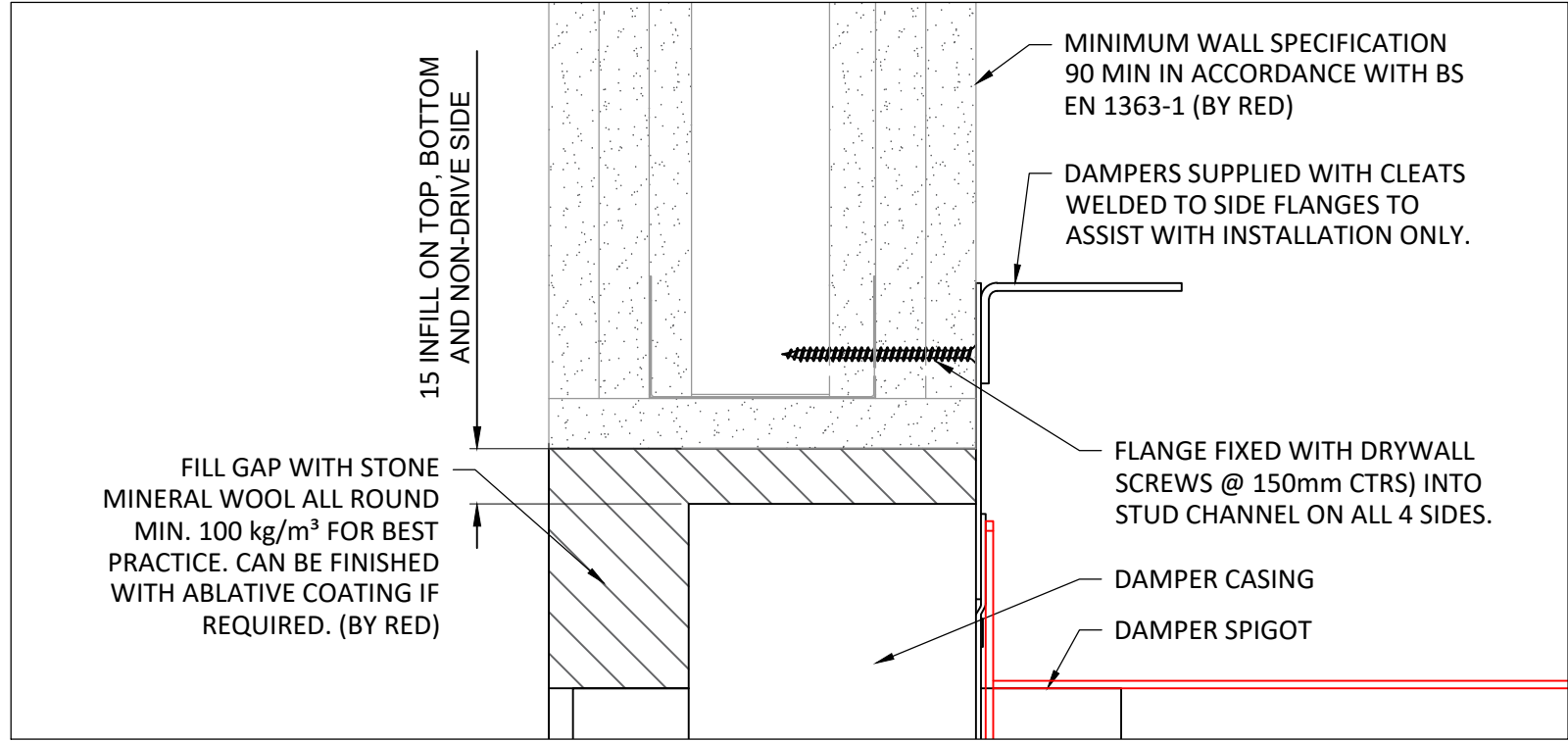
FRONT ELEVATION VIEW



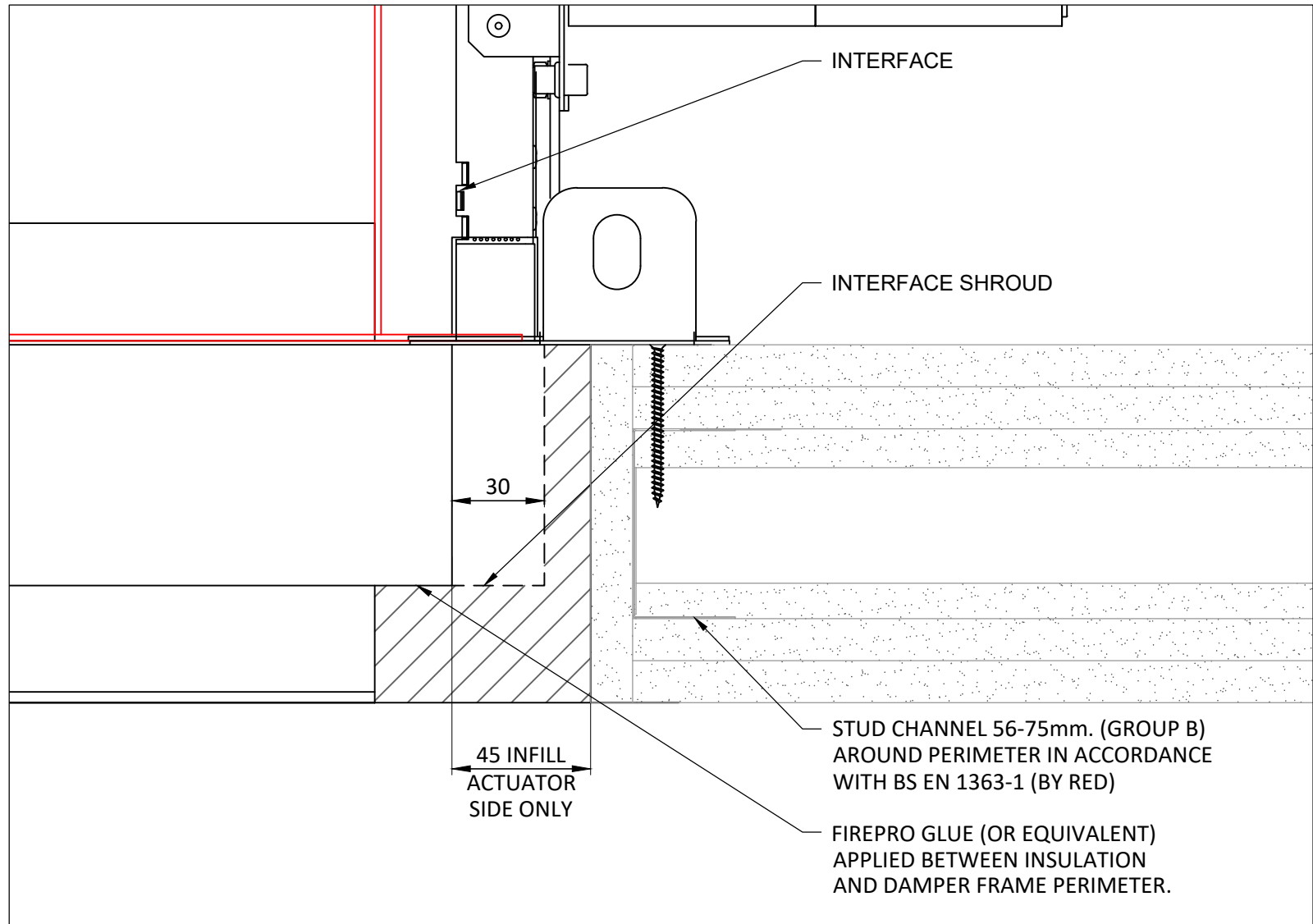
SIDE ELEVATION VIEW



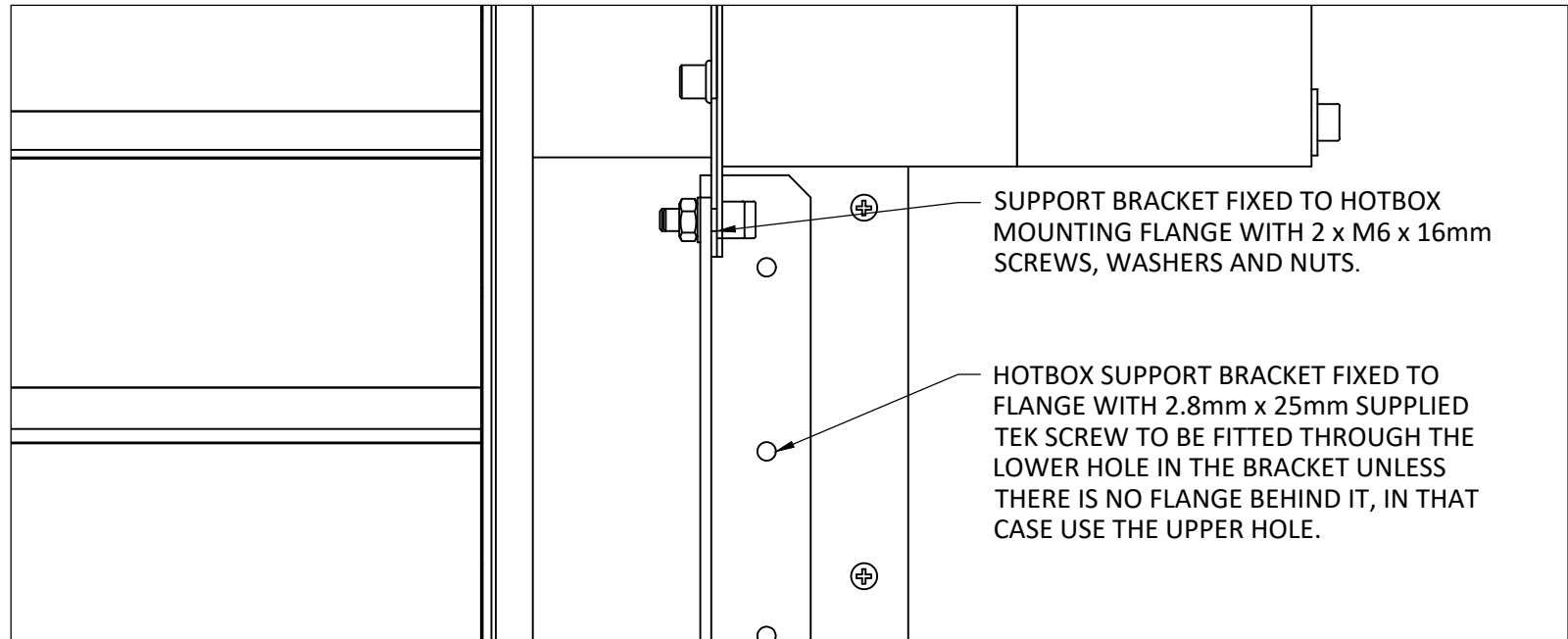
DETAIL A
(SCALE 1:2)



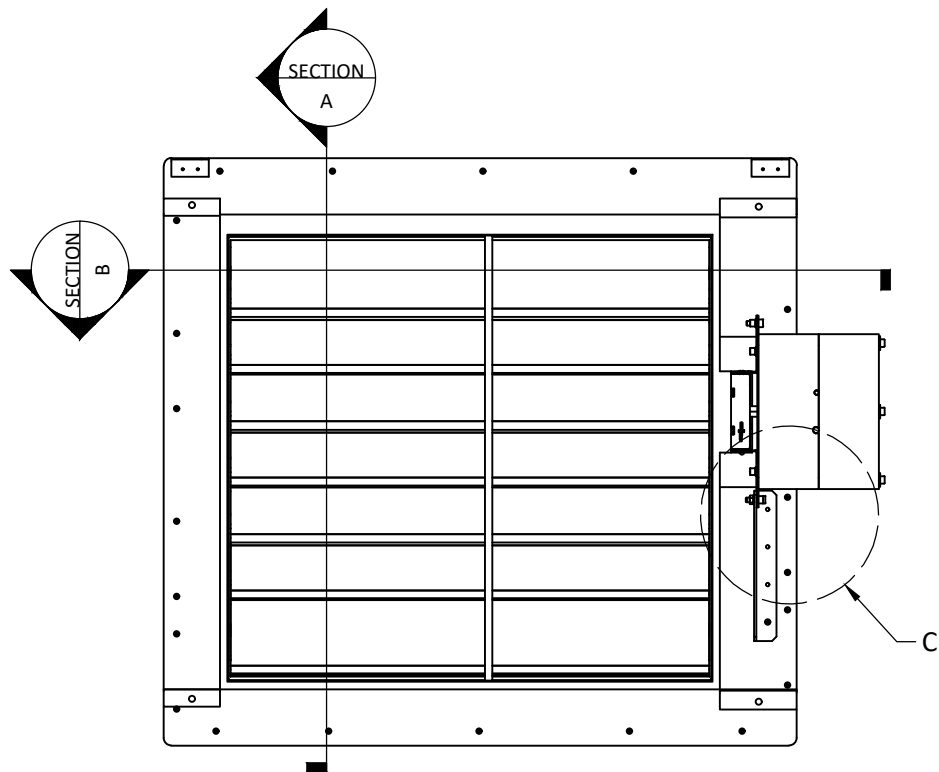
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SCALE 1:2



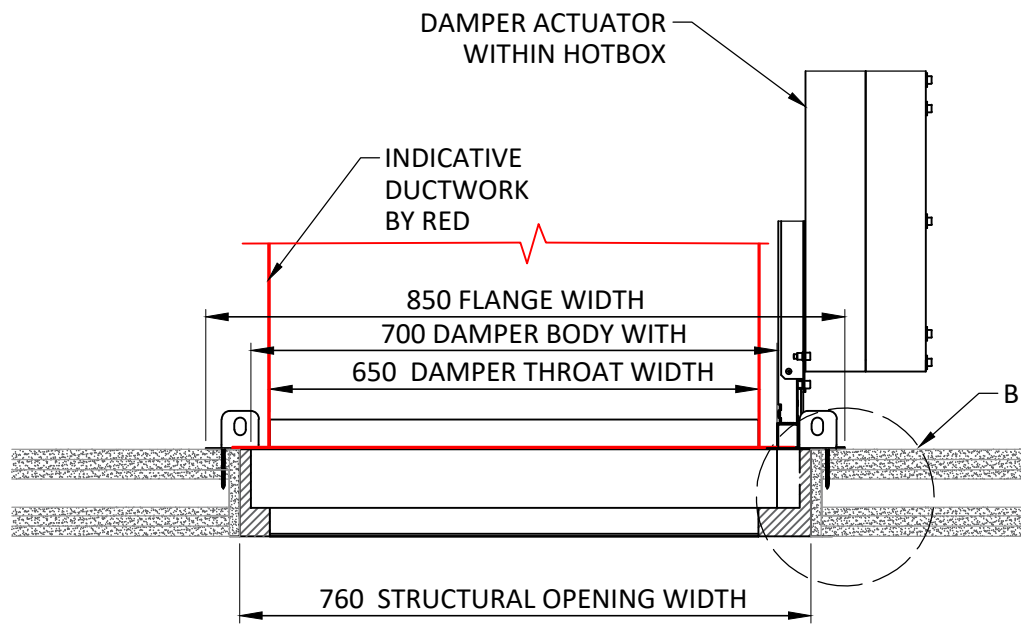
DETAIL B
SCALE 1:2



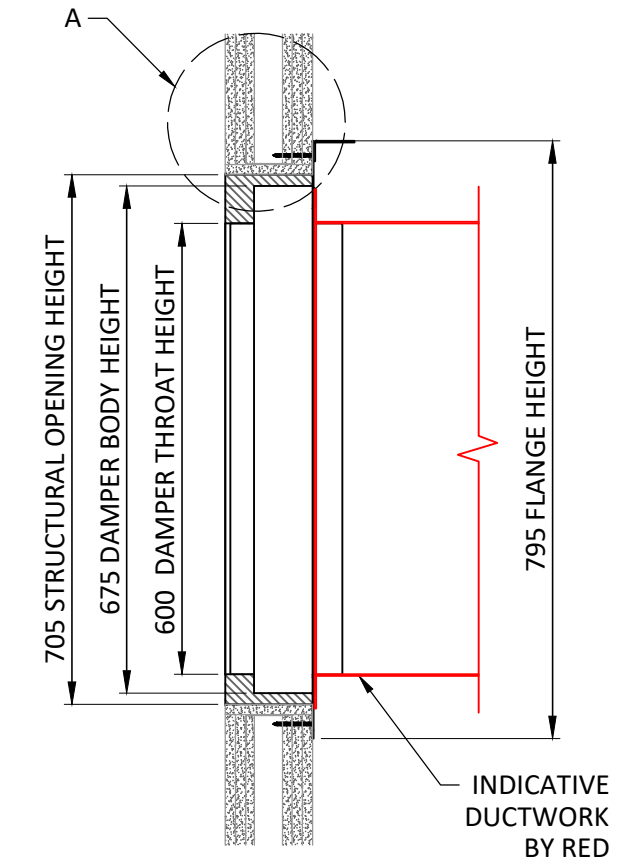
DETAIL C
SCALE 1:2



REAR VIEW
SCALE 1:10



SECTION B
SCALE 1:10



SECTION A
SCALE 1:10

ALL DIMENSIONS ARE IN MILLIMETRES

NOTES:

- DAMPER TYPE - SMOKE COMMAND MCD
- STRUCTURAL OPENING; 760mm (W) X 705mm (H)
- CE MARKED FULFILLING THE REQUIREMENTS OF EN 12101-8, FIRE TESTED TO EN 1366-10 & 1366-2 AND CLASSIFIED TO EN 13501-4.
- HOT400/30 CLASSIFICATION DAMPER CAN CYCLE AND ADJUST THE POSITION FOR 30 MINUTES AT 400°C WHEN USED FOR SMOKE EXTRACTION, WILL REMAIN OPEN AND MAINTAIN CROSS-SECTIONAL AREA IN EXCESS OF 120 MINUTES AT ELEVATED TEMPERATURES.
- SUITABLE FOR INSTALL IN PLASTERBOARD OR MASONRY/BLOCK WALL.
- COMPRISES OF 75mm STAINLESS STEEL AERODYNAMIC INTERLOCKING BLADES INCORPORATING A HIGH-TEMPERATURE SYNTHETIC SEAL.
- ACTUATOR - 24VDC, POWER OPEN / POWER CLOSE IN <60 SECONDS.
- APPROXIMATE WEIGHT 15kg

REV	DATE	DETAILS	DRW BY	CHK BY
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A	14.06.21	FIRST ISSUE FOR APPROVAL	RA	AJM

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vent engineering
natural and smoke ventilation systems

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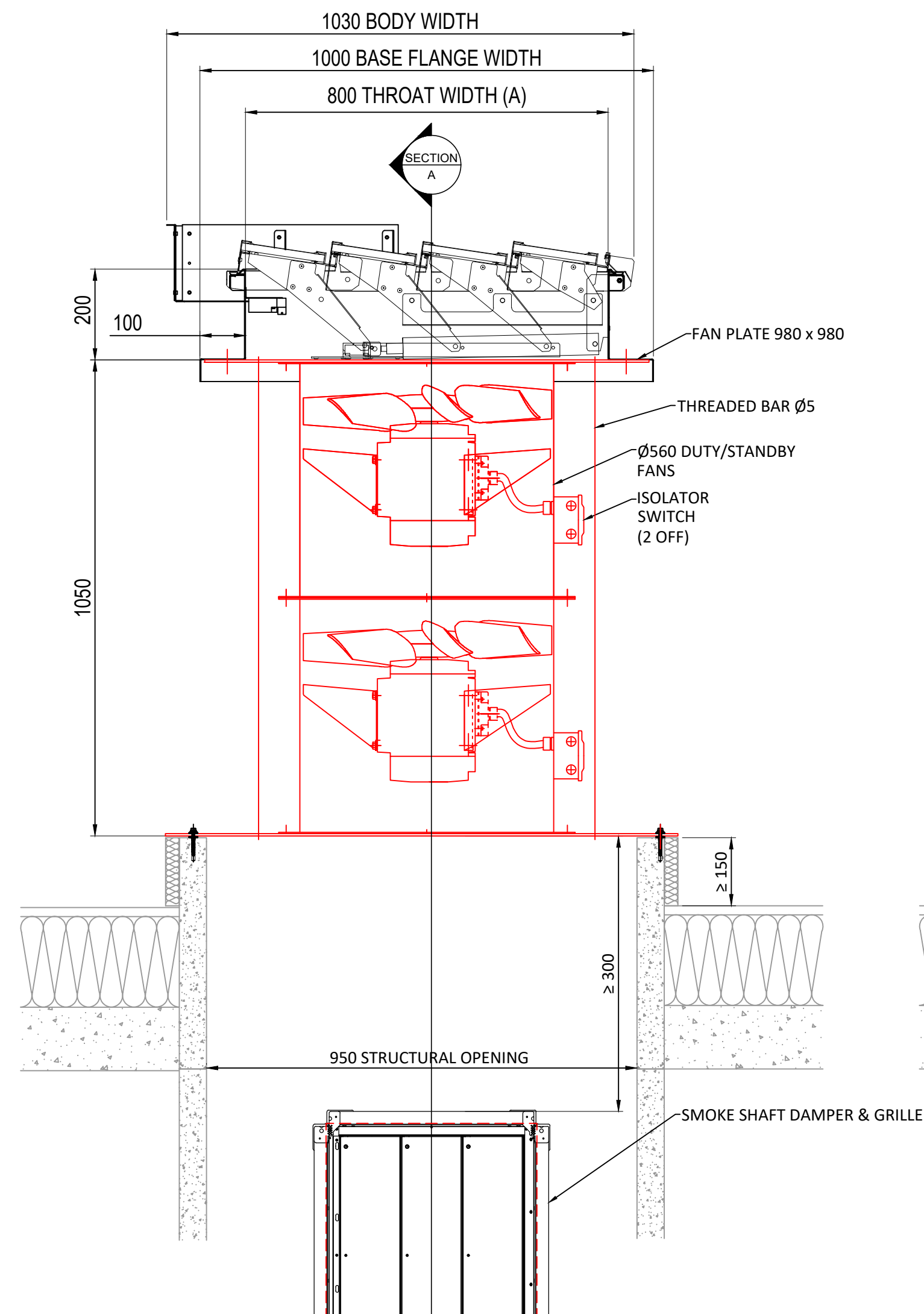
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MCD DAMPER

DRAWING STATUS

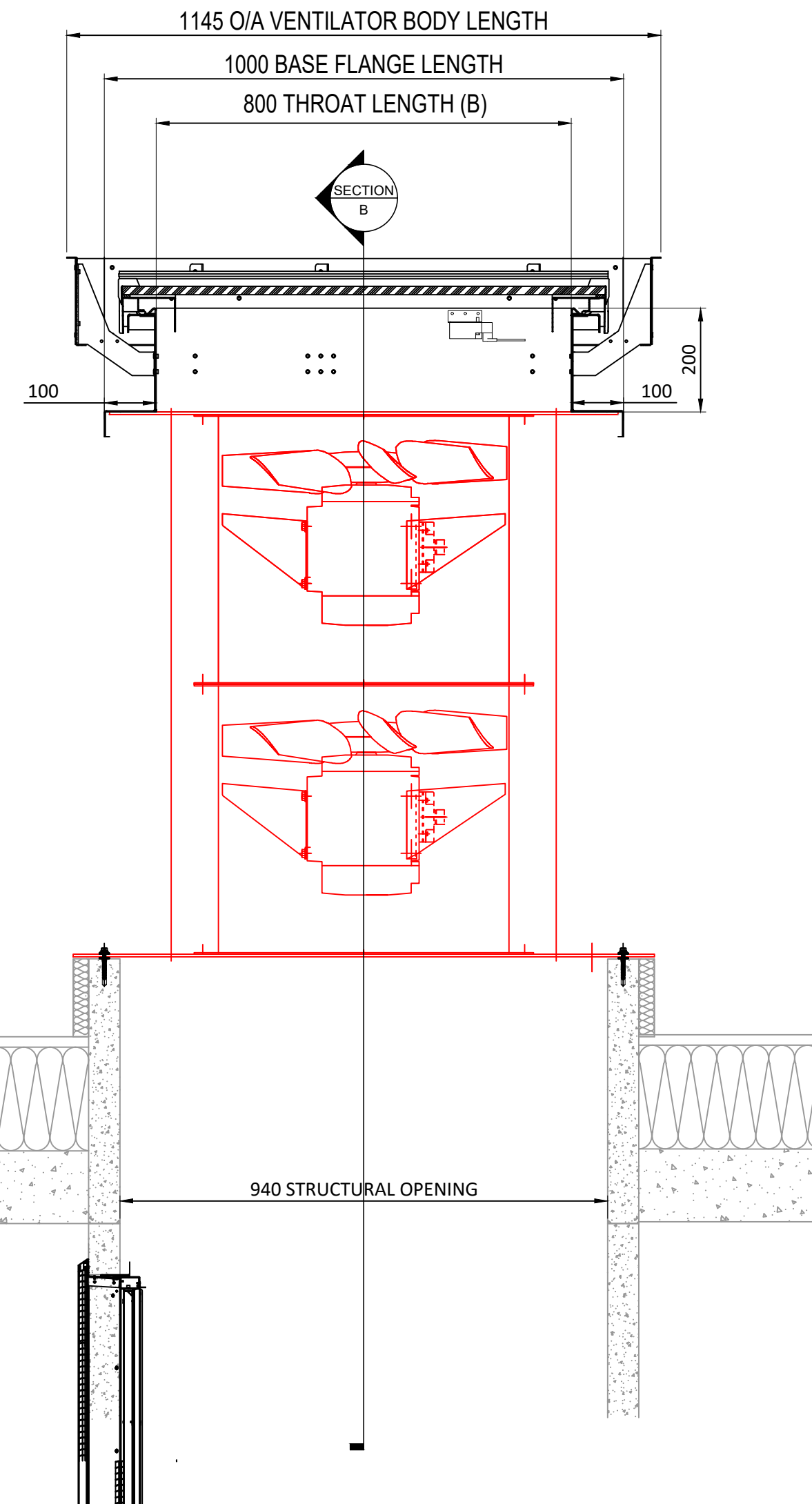
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☐ CONSTRUCTION ☐ AS BUILT
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RA 14.06.2021 NTS A2

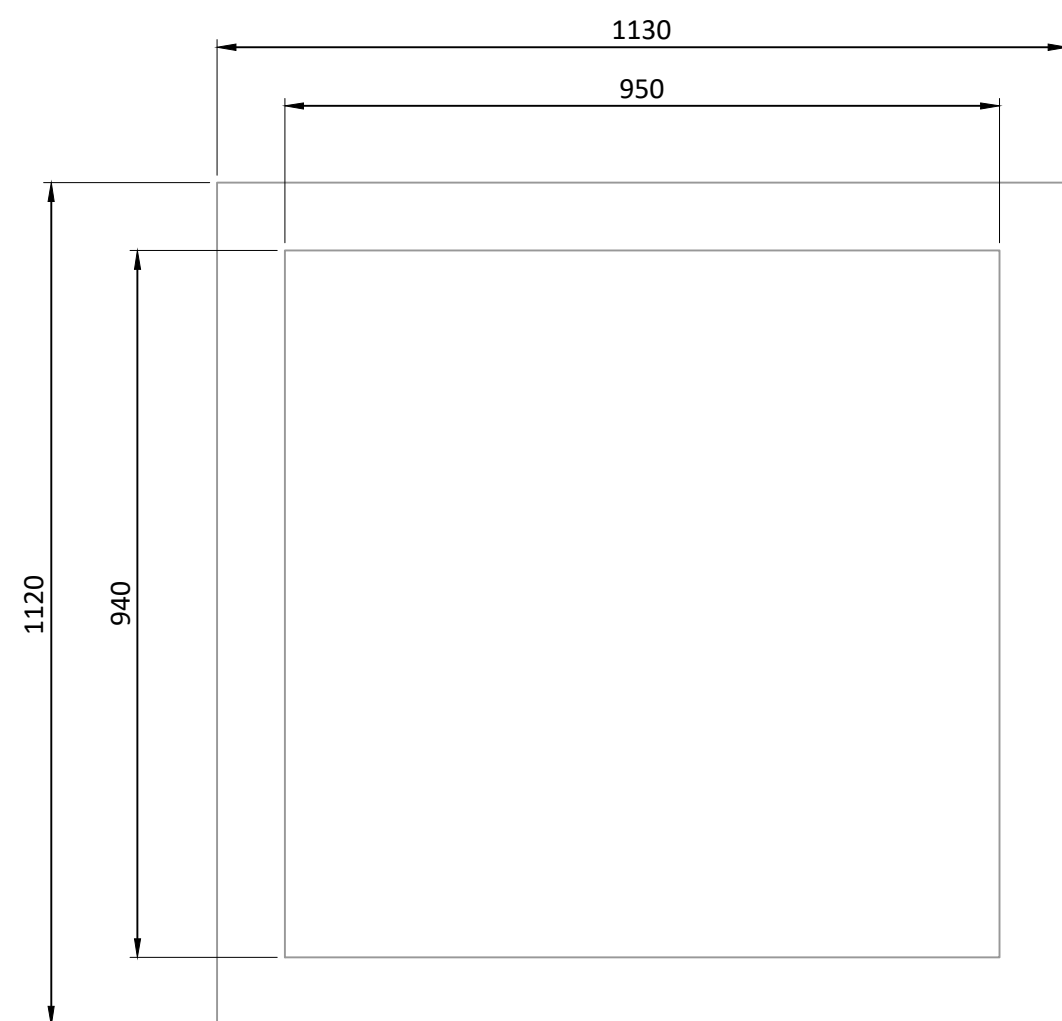
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SIQ-102-VEE-XX-XX-DET-M-00005 B



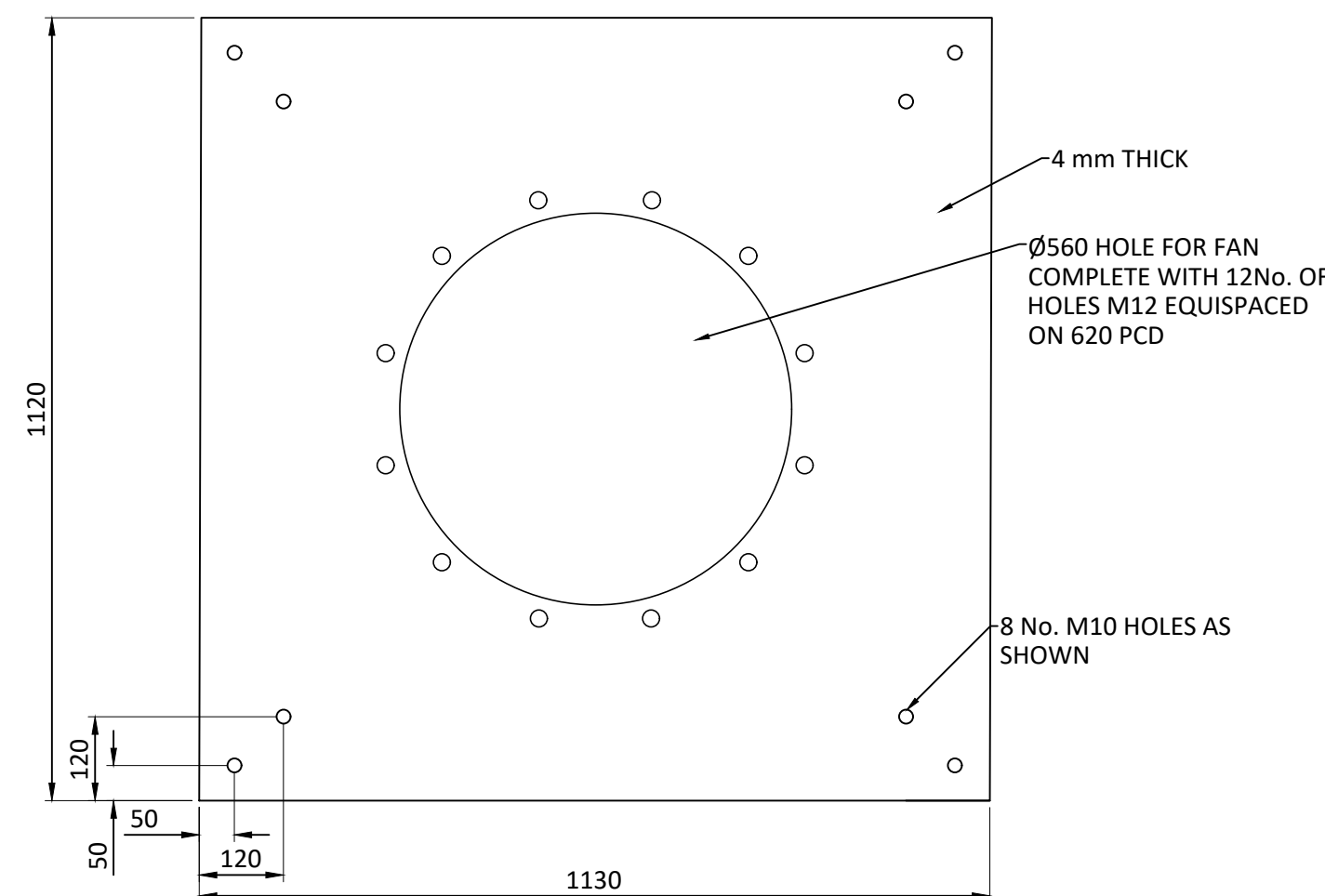
SECTION A-A



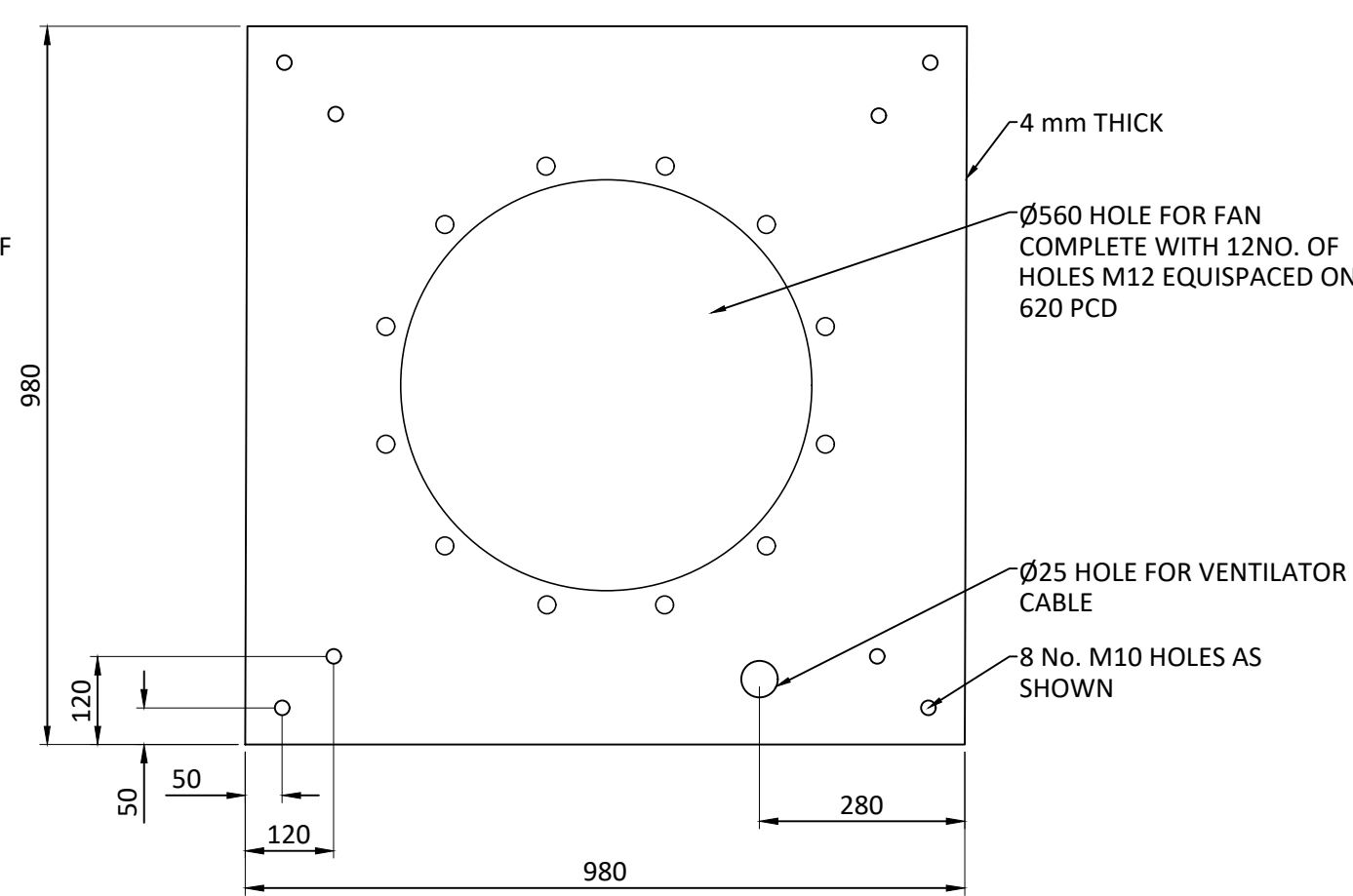
SECTION B-B



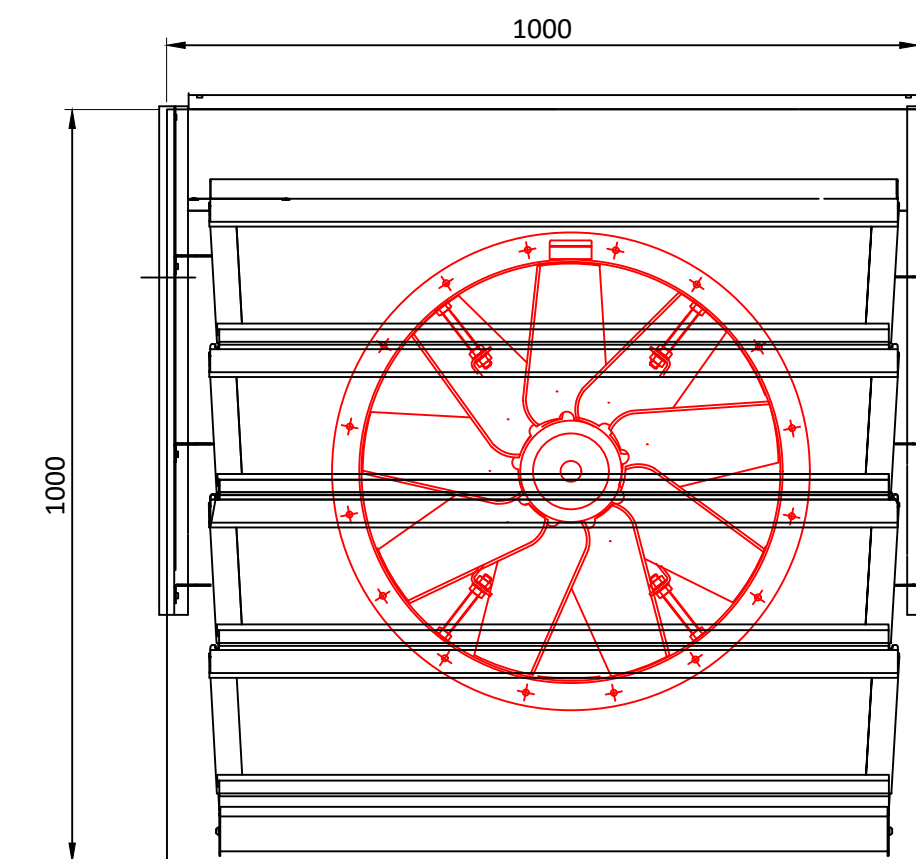
SMOKE SHAFT



BOTTOM FAN PLATE



UPPER FAN PLATE



VENTILATOR

BACKGROUND DETAIL IS INDICATIVE. TO BE USED FOR ILLUSTRATIVE PURPOSES ONLY

ALL DIMENSIONS ARE IN MILLIMETRES

AXIAL FLOW FANS - TYPE LONG CASE FRAME 112M
FAN CODE: HT56JM/20/2/3/28

LONG CASED FANS HAVE A ROBUST HEAVY DUTY CONSTRUCTION FOR STRENGTH AND DURABILITY. FAN CASINGS ARE HEAVY GAUGE, SHEET STEEL, ROLL FORMED, WELDED AND HOT DIPPED GALVANISED AFTER FABRICATION TO BS EN ISO 1461:2009

- FAN DIAMETER = 560 mm
- FAN SPEED = 2910 rpm
- DUTY = 5 m³/s @ 350Pa
- QUANTITY = 2No DUTY / STAND BY IN SERIES
- MOTOR POWER = 8.25 kW
- FULL LOAD CURRENT 15.5 A
- ELECTRICAL SUPPLY = 400 V, 50 Hz, 3 ph

WEIGHT ESTIMATION			
	QUANTITY	1 x kg	Q x kg
FAN	2	78	156
FAN PLATE	2	20	40
LOUVRED VENTILATOR	1	25	25
TOTAL			221

BACKGROUND DRAWING IS INDICATIVE FOR ILLUSTRATIVE PROPOSES

B	09.11.21	DRAWING NUMBER CHANGE CLIENT REQUEST	CIP	RA
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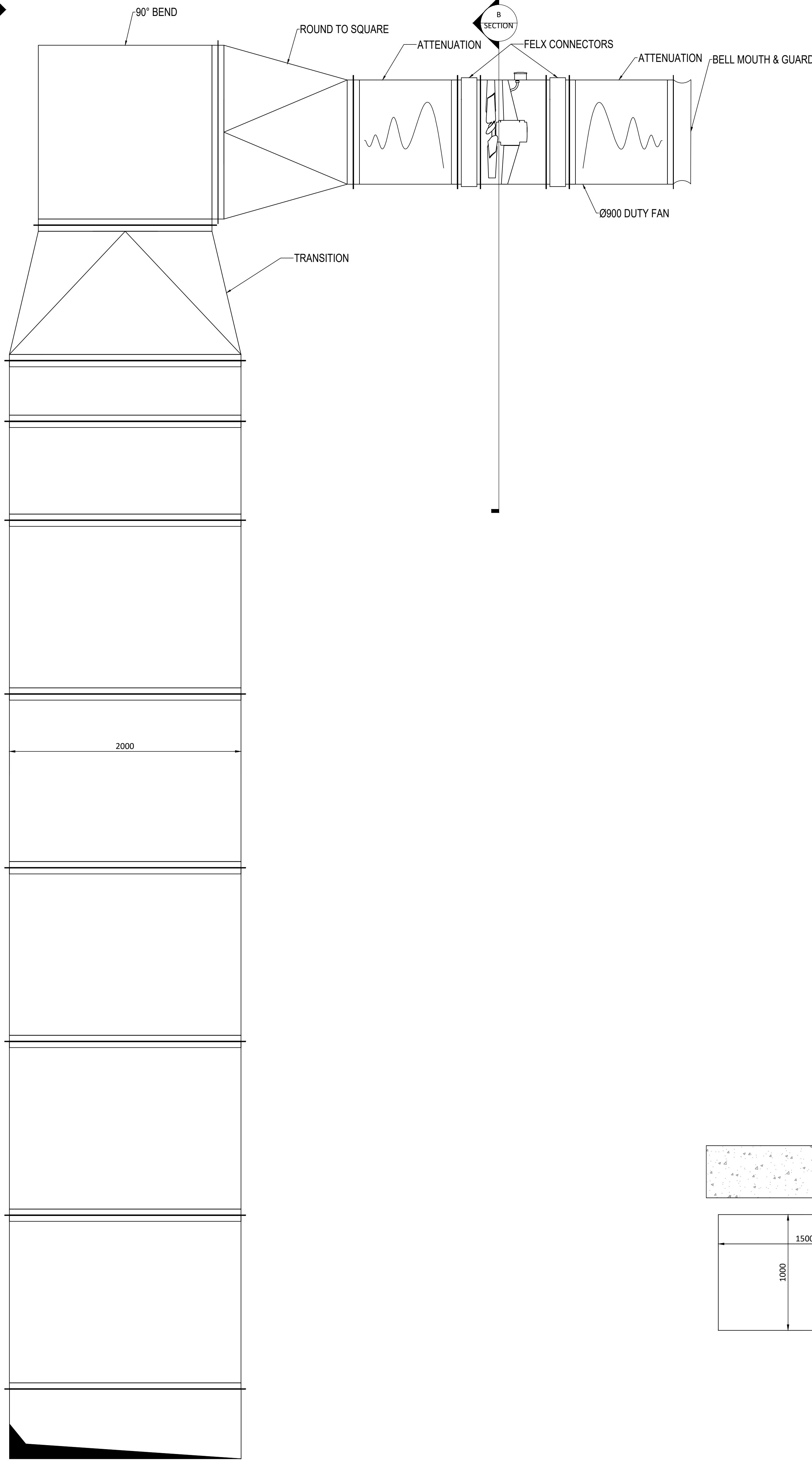
DRAWING TITLE
VENTEC Ø560 SMOKE EXTRACT FAN
ARRANGEMENT TOWERED

DRAWING STATUS
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☐ CONSTRUCTION ☐ AS BUILT
☐ INFORMATION ONLY

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CIP 07.06.21 1:10 A1

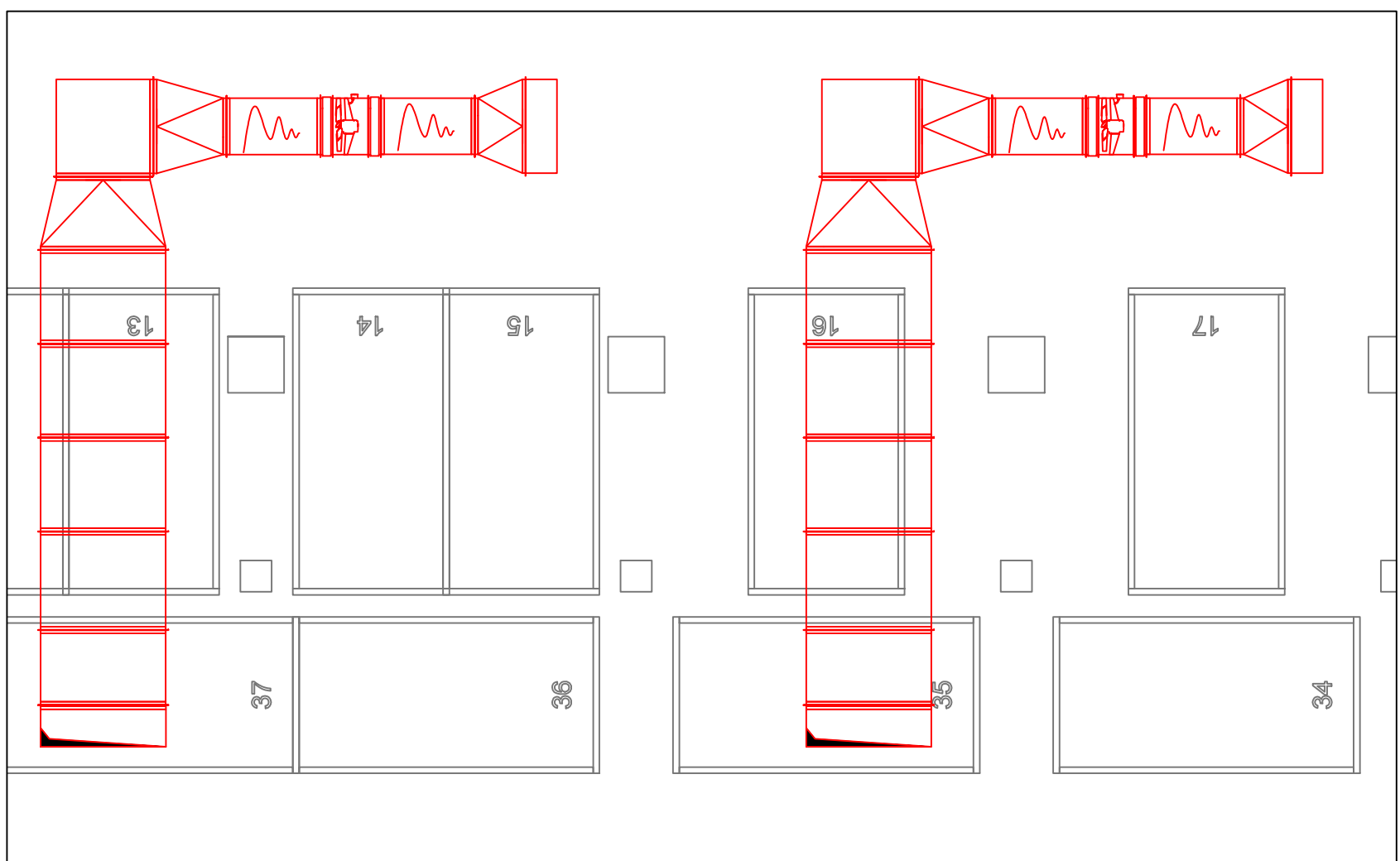
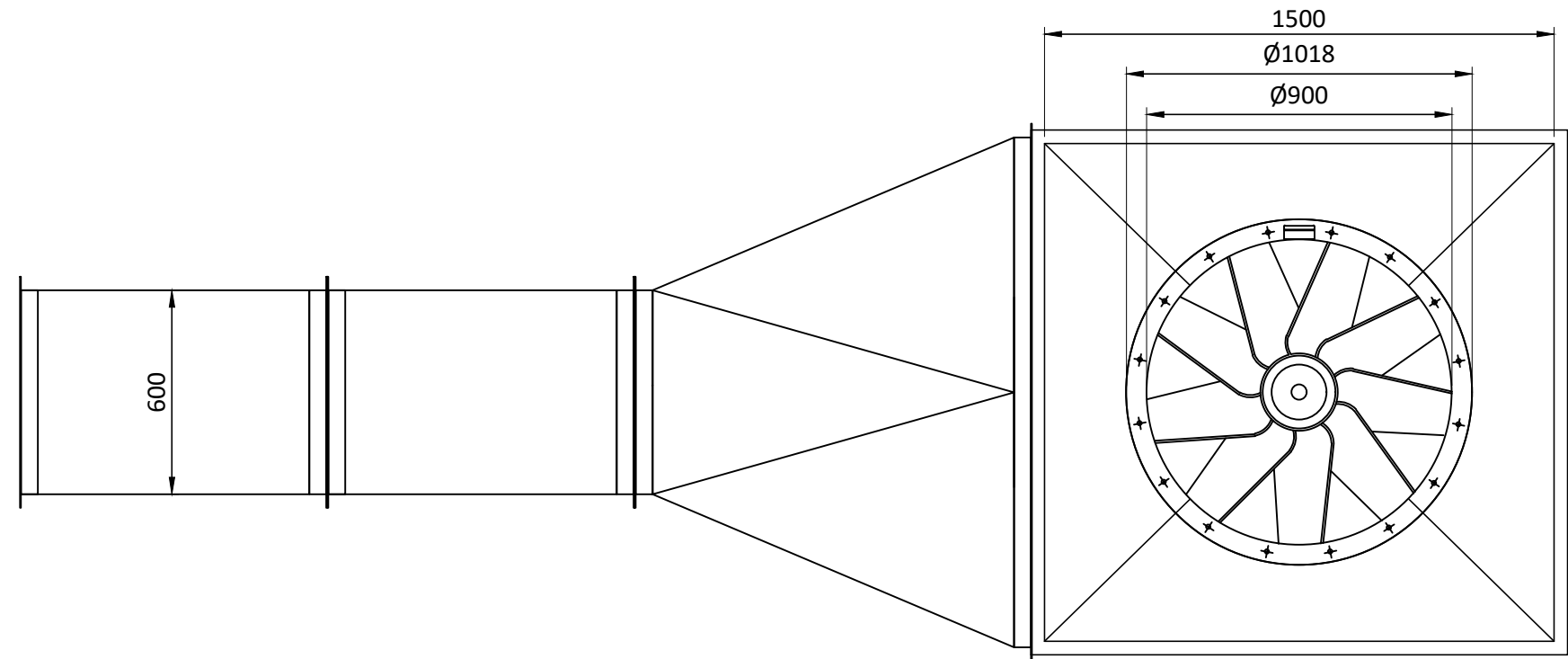
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S/JQ-102-VEE-XX-XX-DR-M-00001 REV
B

SECTION A

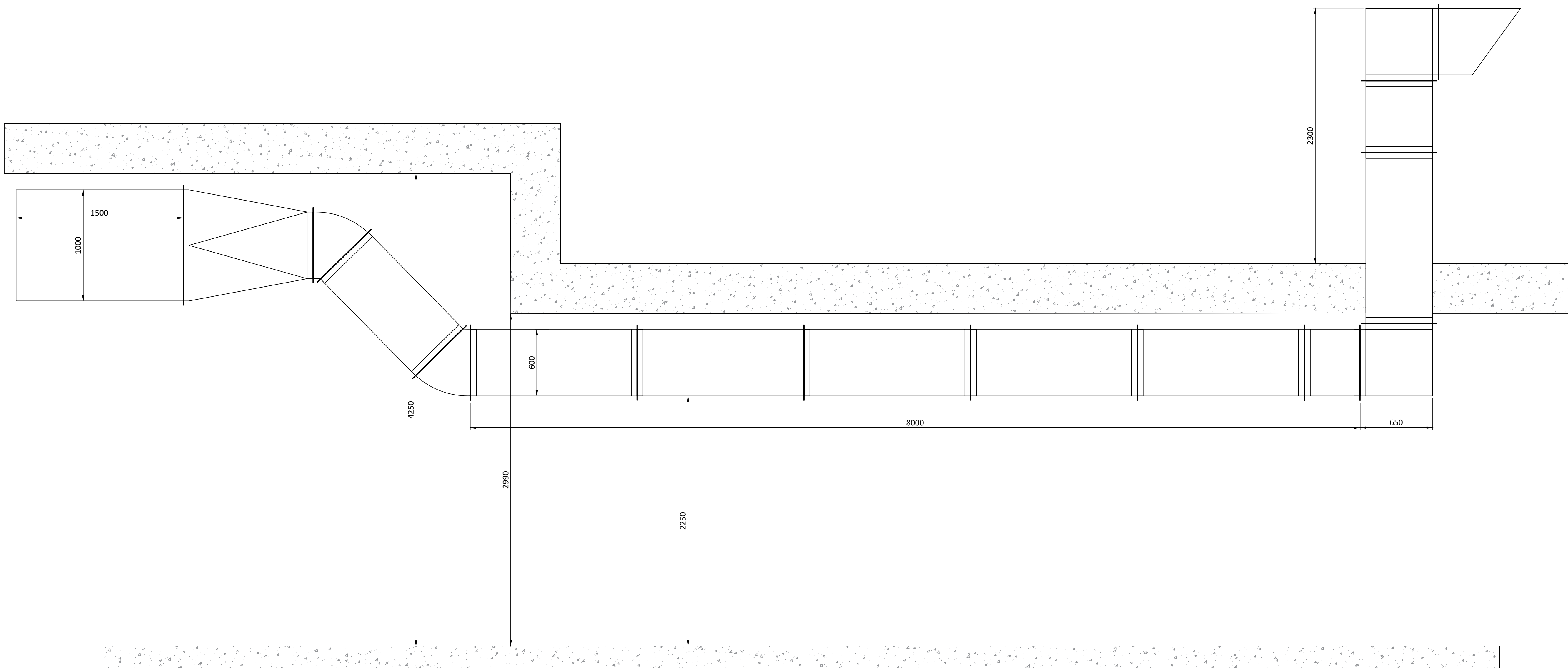


PLAN VIEW
(SCALE 1:20)

SECTION B
(SCALE 1:20)



PLAN VIEW OF EXTRACT PLANTS LAYOUT
(SCALE 1:100)



SECTION A
(SCALE 1:20)

ALL DIMENSIONS ARE IN MILLIMETERS

AXIAL FLOW FANS - TYPE LONG CASE FRAME 112M
FAN CODE: 1DENP+LC090N4-A12/21+1D

LONG CASED FANS HAVE A ROBUST HEAVY DUTY CONSTRUCTION FOR STRENGTH AND DURABILITY. FAN CASINGS ARE HEAVY GAUGE, SHEET STEEL, ROLL FORMED, WELDED AND HOT DIPPED GALVANISED AFTER FABRICATION TO BS EN ISO 1461:2009

- FAN DIAMETER = 900mm
- FAN SPEED = 1440 rpm
- DUTY = 7.5 m³/s @ 250Pa
- QUANTITY = 2No DUTY / STAND BY IN SERIES
- MOTOR POWER = 4.80 kW
- FULL LOAD CURRENT 9.85 A
- ELECTRICAL SUPPLY = 400 V, 50 Hz, 3 ph

WEIGHT ESTIMATION PER FAN SET (2 No.)			
	QUANTITY	1 x kg	Q x kg
FAN	1	112	112
MOUNTING FEET	2	7.8	15.6
FLEXIBLE CONNECTORS	2	2.7	5.4
ANTI-VIB MOUNTS	4	1.25	5
ATTENUATION	2	55	110

ALL DIMENSIONS ARE SUBJECT TO SITE SURVEY

BACKGROUND DRAWING IS INDICATIVE FOR ILLUSTRATIVE PROPOSES

DRAWING NUMBER CHANGE		CIP	
B	09.11.21	RA	RA
REV DATE		DETAILS	
A	14.06.21	RA	AJM
REV DATE		DETAILS	
REV DATE		DETAILS	



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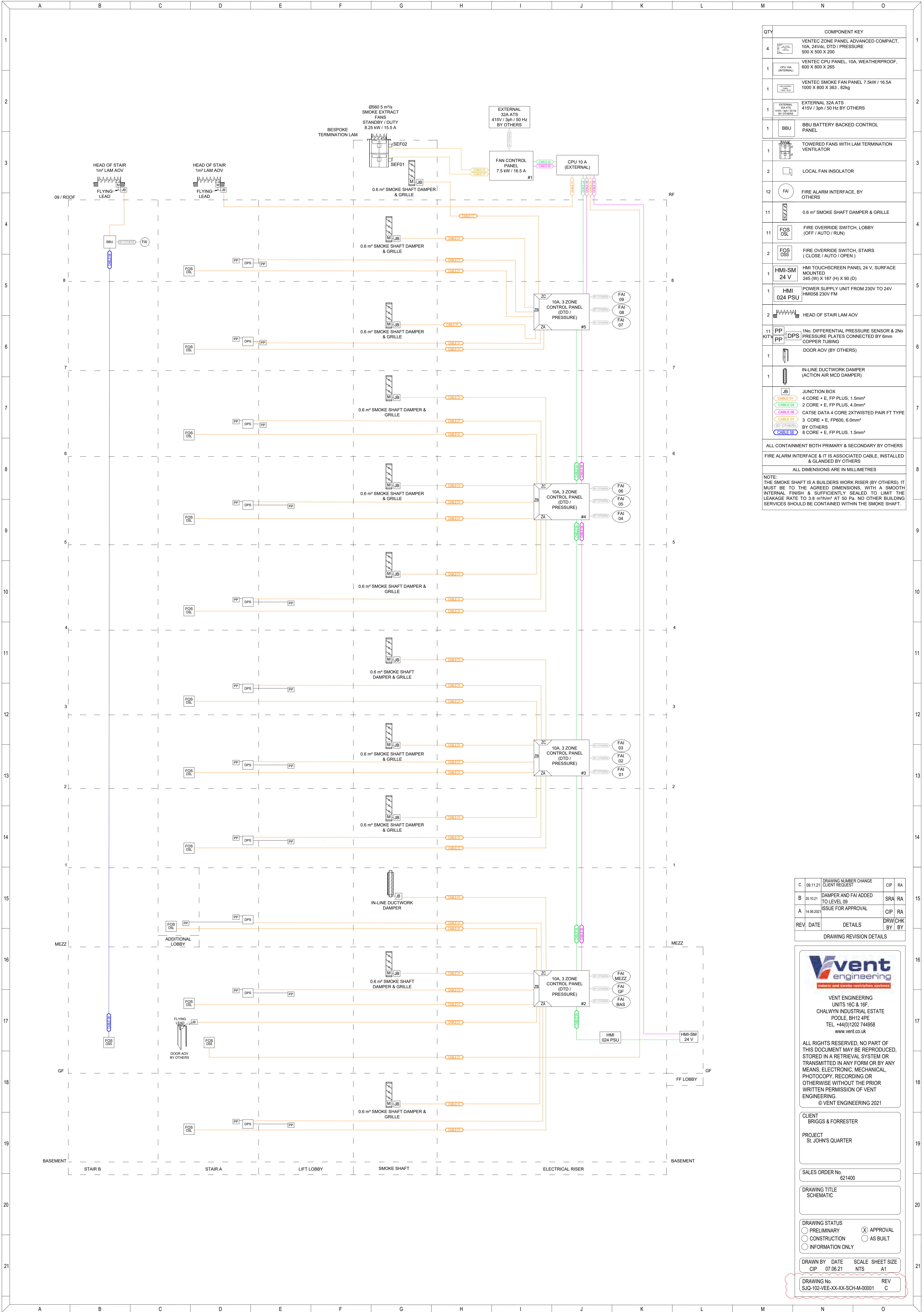
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621400

DRAWING TITLE
VENTEC Ø900 EXTRACT FAN
ARRANGEMENT

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☐ CONSTRUCTION
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DRAWN DATE SCALE SHEET
RA 14.06.2021 NTS A0

DRAWING NO. REV
SIQ-102-VEE-XX-XX-DR-M-00002 B



QTY	COMPONENT KEY
4	VENTEC ZONE PANEL ADVANCED COMPACT, 10A, 24Vdc, DTD / PRESSURE 500 X 500 X 200
1	VENTEC CPU PANEL, 10A, WEATHERPROOF, 600 X 800 X 265
1	VENTEC SMOKE FAN PANEL 7.5KW / 16.5A 1000 X 800 X 363, 82kg
1	EXTERNAL 32A ATS 415V / 3ph / 50 Hz BY OTHERS
1	BBU BBU BATTERY BACKED CONTROL PANEL
1	TOWERED FANS WITH LAM TERMINATION VENTILATOR
2	LOCAL FAN INSULATOR
12	FAI FIRE ALARM INTERFACE, BY OTHERS
11	0.6 m² SMOKE SHAFT DAMPER & GRILLE
11	FOS OSL FIRE OVERRIDE SWITCH, LOBBY (OFF / AUTO / RUN)
2	FOS OSS FIRE OVERRIDE SWITCH, STAIRS (CLOSE / AUTO / OPEN)
1	HMI-SM 24 V HMI TOUCHSCREEN PANEL 24 V, SURFACE MOUNTED 245 (W) X 187 (H) X 90 (D)
1	HMI 024 PSU POWER SUPPLY UNIT FROM 230V TO 24V HMI058 230V FM
2	HEAD OF STAIR LAM AOV
11	PP 1No. DIFFERENTIAL PRESSURE SENSOR & 2No. PRESSURE PLATES CONNECTED BY 6mm COPPER TUBING
1	DOOR AOV (BY OTHERS)
1	IN-LINE DUCTWORK DAMPER (ACTION AIR MCD DAMPER)
JB JUNCTION BOX CABLE 01 4 CORE + E, FP PLUS, 1.5mm² CABLE 04 2 CORE + E, FP PLUS, 4.0mm² CABLE 06 CATSE DATA 4 CORE 2XTWISTED PAIR FT TYPE CABLE 07 3 CORE + E, FP600, 6.0mm² BY OTHERS BY OTHERS CABLE 08 8 CORE + E, FP PLUS, 1.5mm²	
ALL CONTAINMENT BOTH PRIMARY & SECONDARY BY OTHERS	
FIRE ALARM INTERFACE & IT IS ASSOCIATED CABLE, INSTALLED & GLANDED BY OTHERS	
ALL DIMENSIONS ARE IN MILLIMETRES	
NOTE: THE SMOKE SHAFT IS A BUILDERS WORK RISER (BY OTHERS). IT MUST BE TO THE AGREED DIMENSIONS, WITH A SMOOTH INTERNAL FINISH & SUFFICIENTLY SEALED TO LIMIT THE LEAKAGE RATE TO 3.8 m³/hm² AT 50 Pa. NO OTHER BUILDING SERVICES SHOULD BE CONTAINED WITHIN THE SMOKE SHAFT.	

C	09.11.21	DRAWING NUMBER CHANGE	CIP	RA
B	20.10.21	DAMPER AND FAI ADDED TO LEVEL 09	SRA	RA
A	14.06.2021	ISSUE FOR APPROVAL	CIP	RA
REV.	DATE	DETAILS	DRW/CHK	BY

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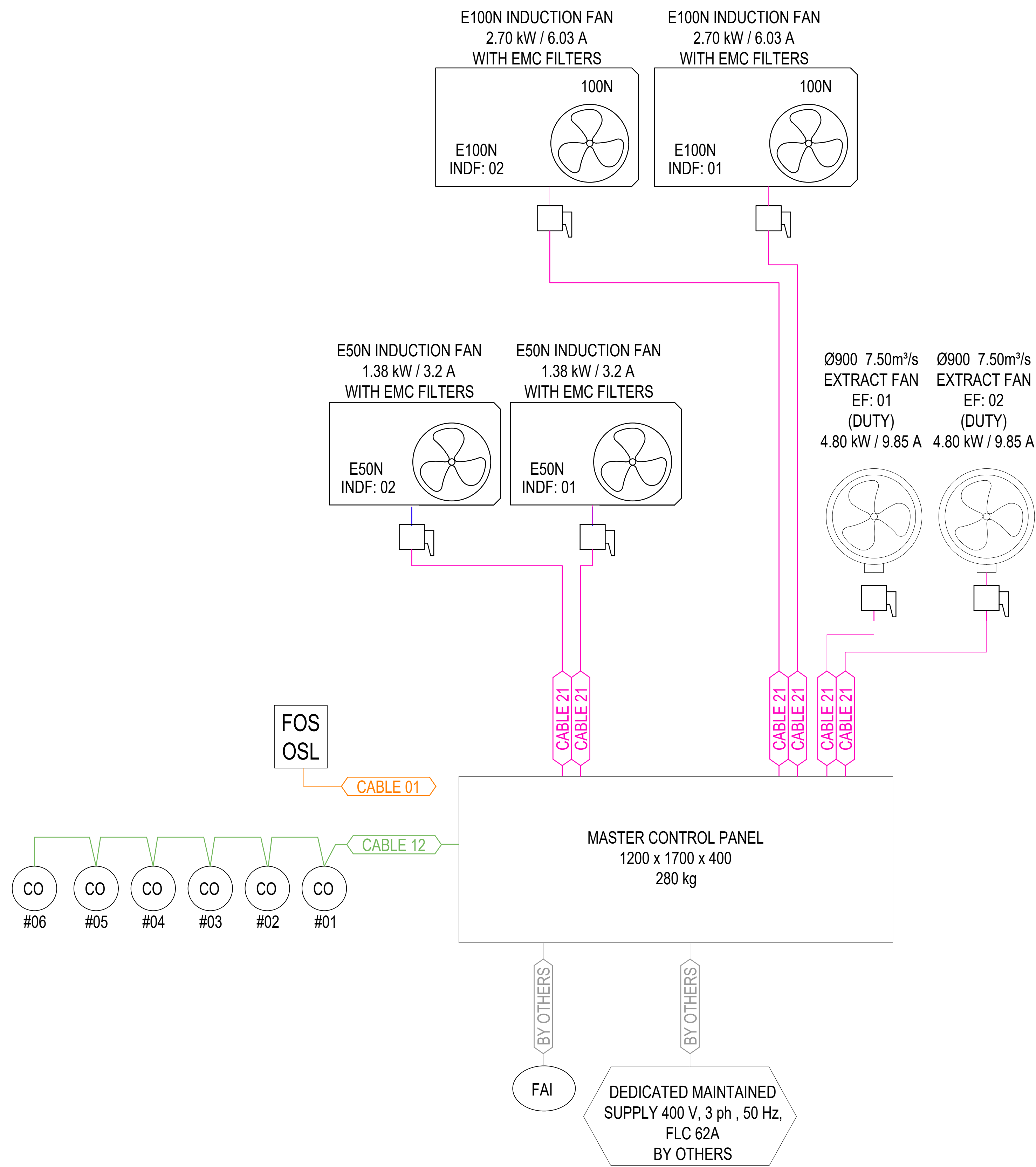
DRAWING TITLE
SCHEMATIC

DRAWING STATUS
☐ PRELIMINARY ☒ APPROVAL
☐ CONSTRUCTION ☐ AS BUILT
☐ INFORMATION ONLY

DRAWN BY DATE SCALE SHEET SIZE
CIP 07.06.21 NTS A1

DRAWING No.
SIQ-102-VEE-XX-XX-SCH-M-00001

REV
C



COMPONENT KEY		
1		MASTER CONTROL PANEL
2		Ø900 7.5m³/s SMOKE EXTRACT FANS, DUTY-DUTY 4.80 KW / 9.85 A
2		E50N INDUCTION FAN (E50N) 1.38 kW / 3.2 A
2		100N INDUCTION FAN (E100N) 2.70 kW / 6.03 A
6		CARBON MONOXIDE DETECTOR, WALL MOUNTED AT 1600mm FROM FFL CBPX-PAN-SEN-0001
1		FIRE OVERRIDE SWITCH, (OFF / AUTO / RUN)
1		FIRE ALARM INTERFACE BY OTHERS
CABLE 01 4 CORE + E, FP PLUS, 1.5mm² CABLE 12 CY 4 CORE + E, 1.5mm² CABLE 21 4 CORE + E, FP600, 6mm² (400Vac, UPTO 120m RUN) BY OTHERS BY OTHERS (4 CORE + E, FP PLUS, 400Vac)		
CONTAINMENT BOTH PRIMARY & SECONDARY BY OTHERS		
ALL DIMENSIONS ARE IN MILLIMETERS		

B	09.11.21	DRAWING NUMBER CHANGE CLIENT REQUEST	CIP	RA
A	15.06.21	FIRST ISSUE FOR APPROVAL	RA	AJM
REV	DATE	DETAILS	DRW BY	CHK BY

DRAWING REVISION DETAILS

VENT ENGINEERING
UNIT 16C
CHALWYN INDUSTRIAL ESTATE
POOLE, BH12 4PE
TEL. +44(0)1202 744958
www.vent.co.uk

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CLIENT:
BRIGGS & FORRESTER

PROJECT:
ST JOHN'S QUARTER

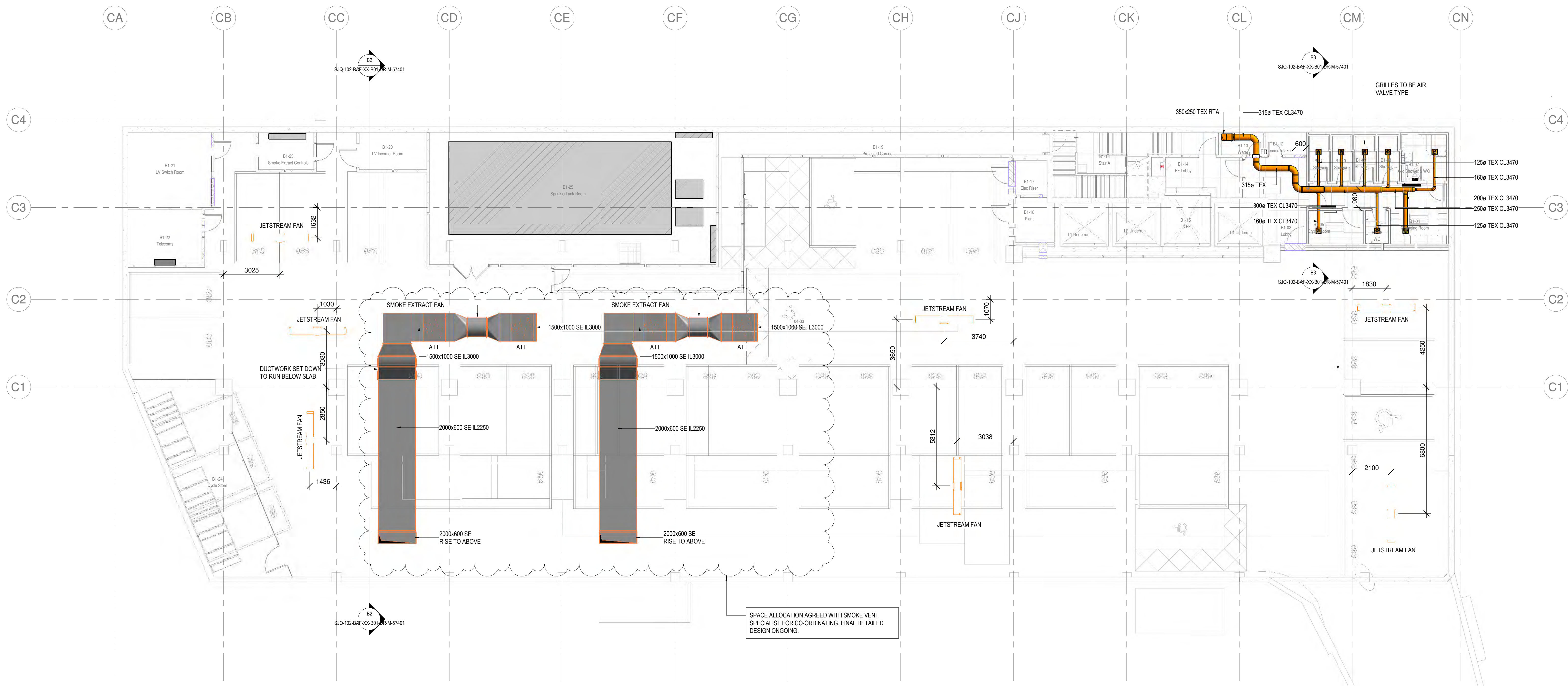
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DRAWING TITLE:
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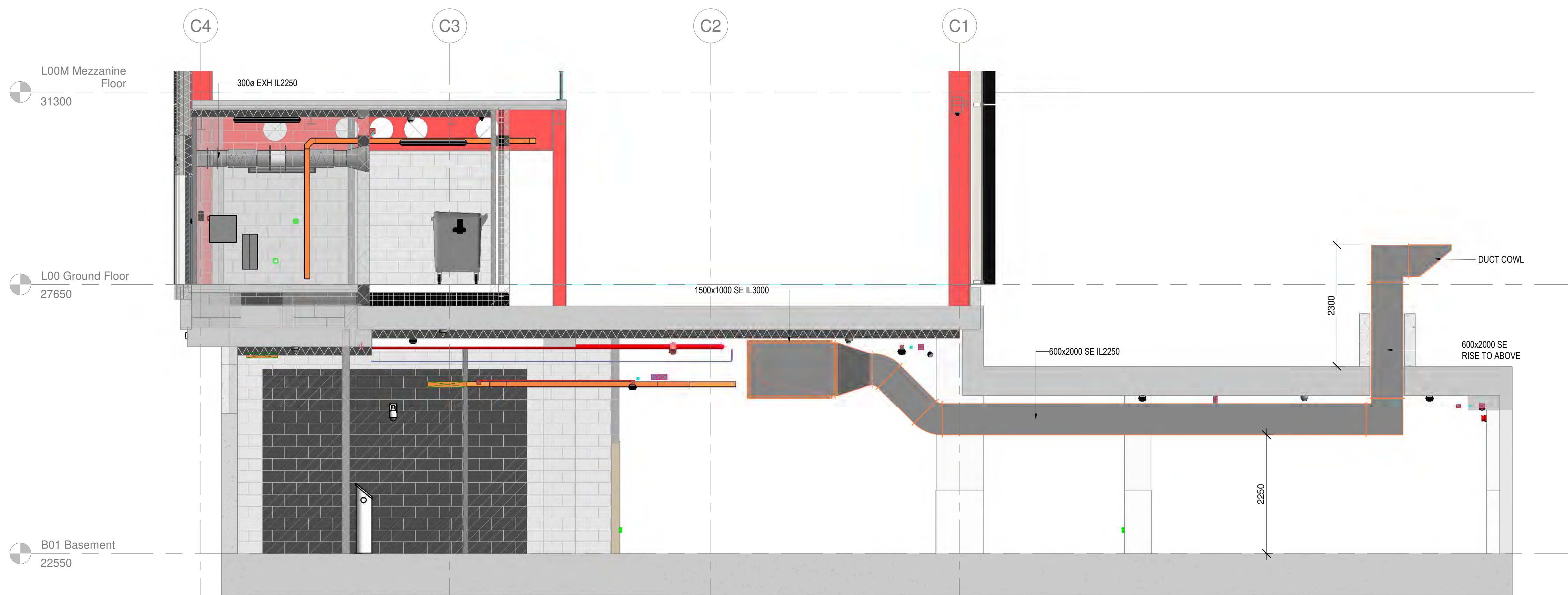
DRAWING STATUS:
☒ APPROVAL
☐ CONSTRUCTION
☐ AS BUILT

DRAWN: RA DATE: SCALE: NTS SHEET: A1

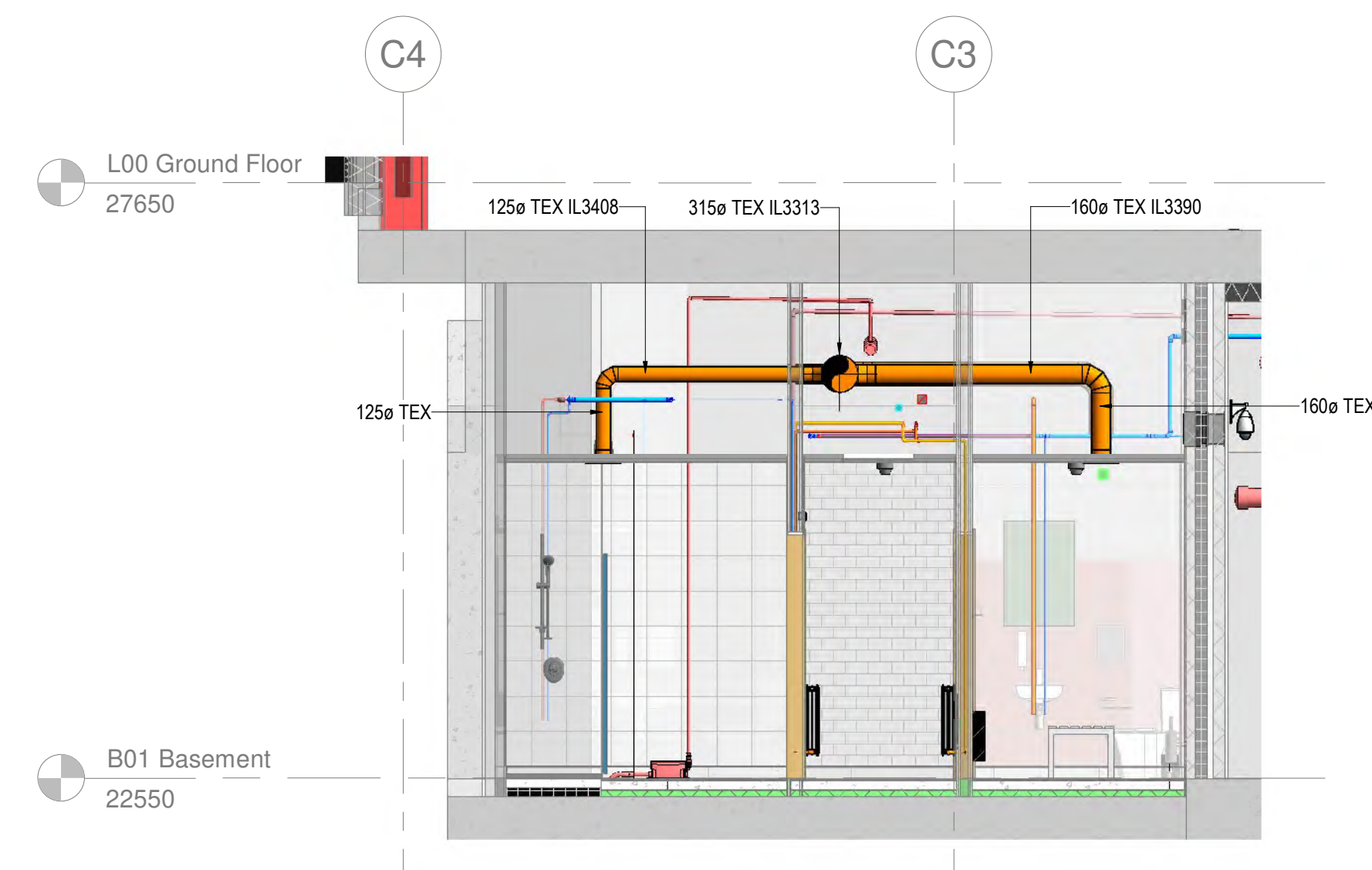
DRAWING No: SIQ-102-VEE-XX-XX-SCH-M-00002 REV B



1 B01 Basement Level Ventilation Layout
1:100



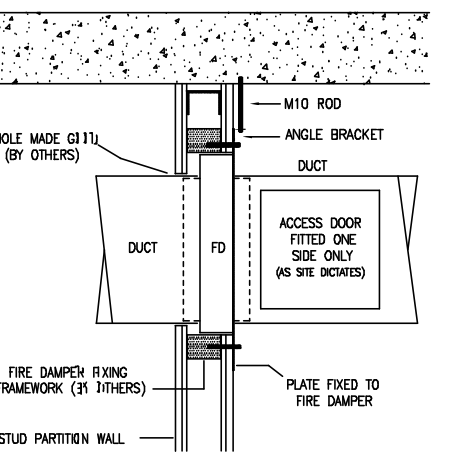
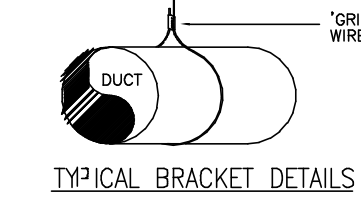
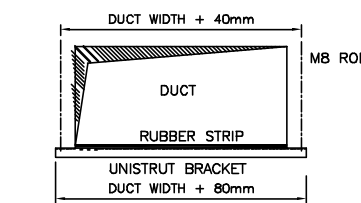
B2 Section B2
1:50



B3 Section B3
1:50

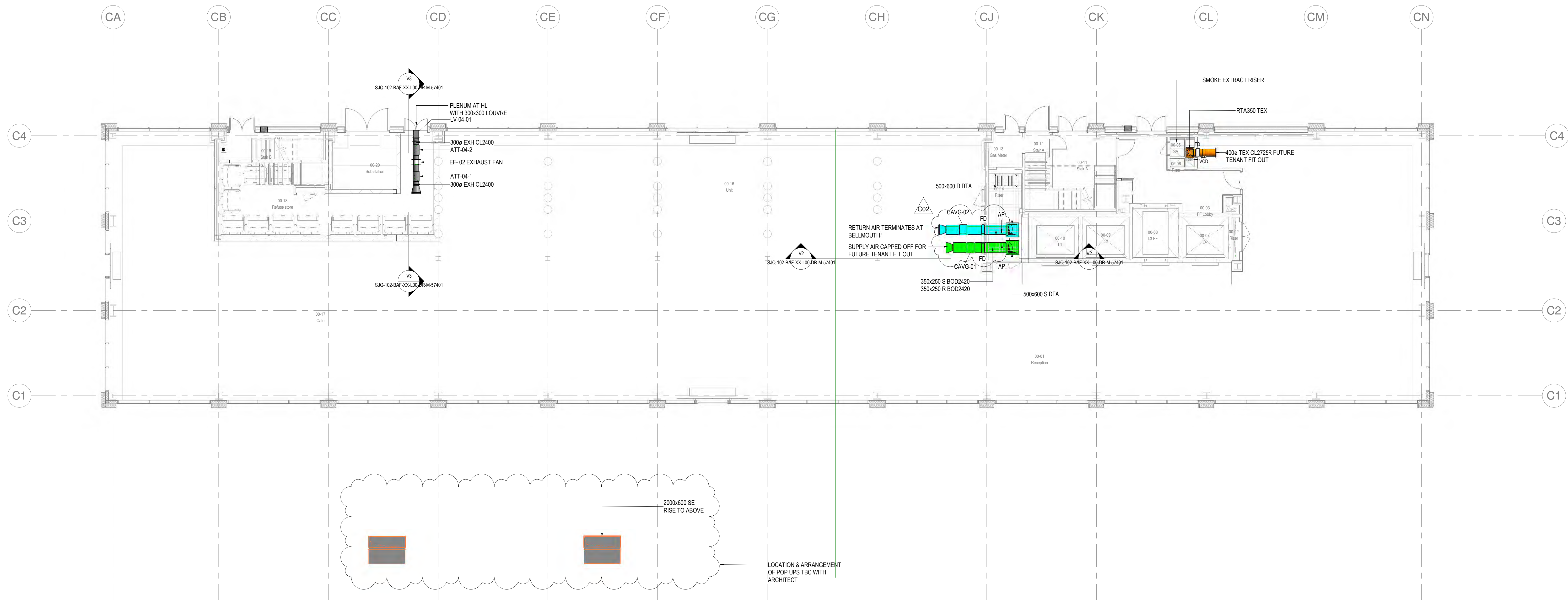
Building Outline Information	
Architect Model/Drawing Number	Revision
B&F PROJECT NUMBER: 5258	

- NOTES
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.
 2. DUCTWORK INSTALLATION TO BE IN ACCORDANCE WITH DW114.
 3. ALL SUPPLY AND EXTRACT DUCTWORK IN ROOF SPACE, RISERS & PLANTROOM TO BE THERMALLY INSULATED.
 4. FIRE DAMPERS AND ACCESS PANELS TO BE PROVIDED IN THE LOCATIONS INDICATED. FIRE DAMPERS TO BE OUT OF AIR STREAM TYPE.
 5. FINAL NUMBER AND LOCATION OF IMPULSE FAN UNITS TO BE DETERMINED BY CAR PARK VENTILATION SPECIALIST.
 6. TO BE READ IN CONJUNCTION WITH VENTILATION SCHEMATIC SJQ-102-BAF-ZZ-XX-DR-M-57941 & SMOKE VENTILATION SCHEMATIC SJQ-102-BAF-ZZ-XX-DR-M-57942.
- LEGEND
- FD FIRE DAMPER
 - AV AIR VALVE
 - CAV CONSTANT AIR VOLUME BOX
 - S SUPPLY AIR
 - R RETURN AIR
 - ATEX EXTRACT
 - LVCOR VOLUME CONTROL DAMPER
 - T TO B TOP TO BOTTOM
 - FATT ATTENUATOR
 - DFA DROPS FROM ABOVE
 - RAP ACCESS PANELS
 - TB TO BELOW
 - DTB DROPS TO BELOW
 - RFB RISES FROM BELOW
 - CL CENTRE LINE
 - BOD BOTTOM OF DUCT
 - CI CAST IRON

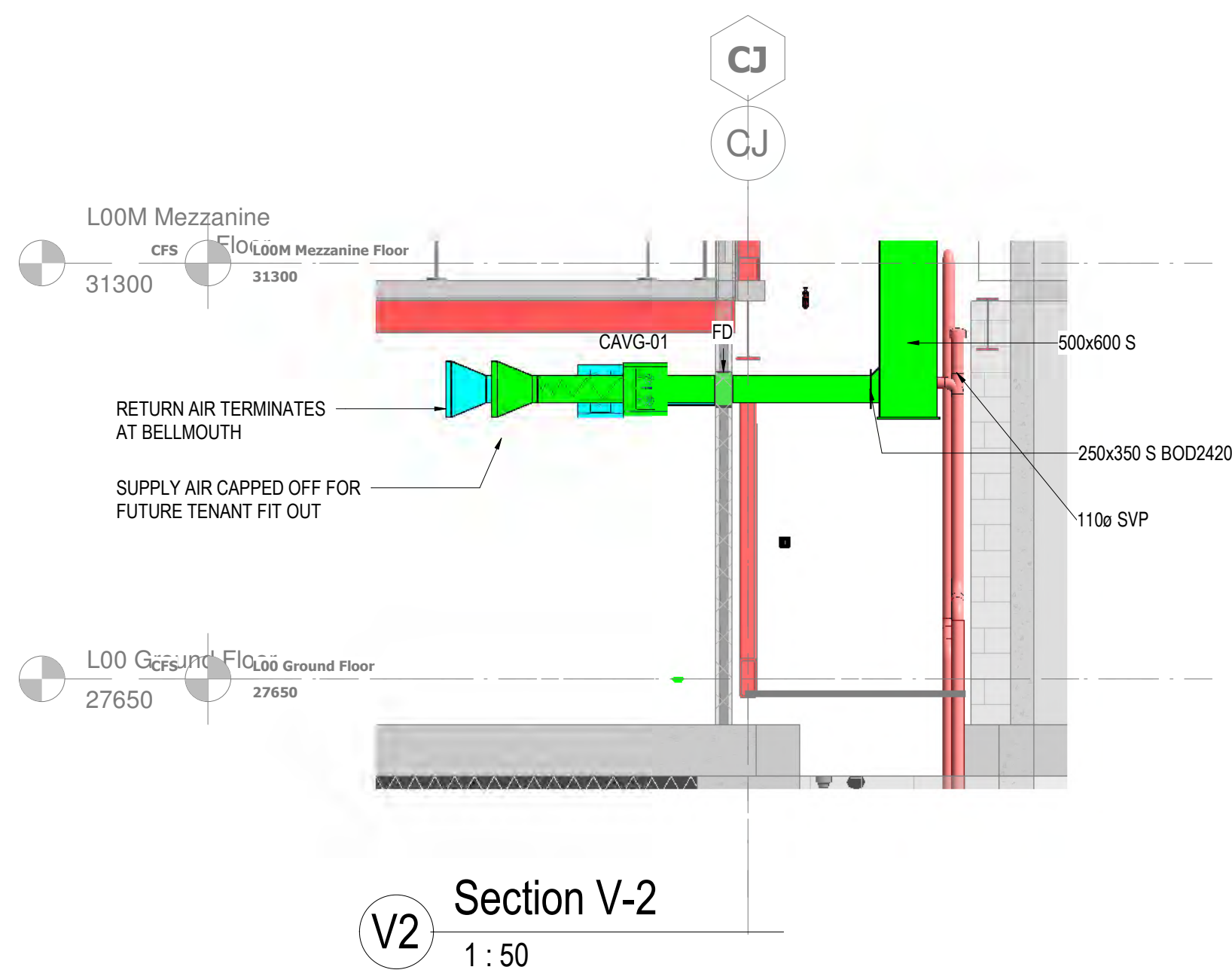
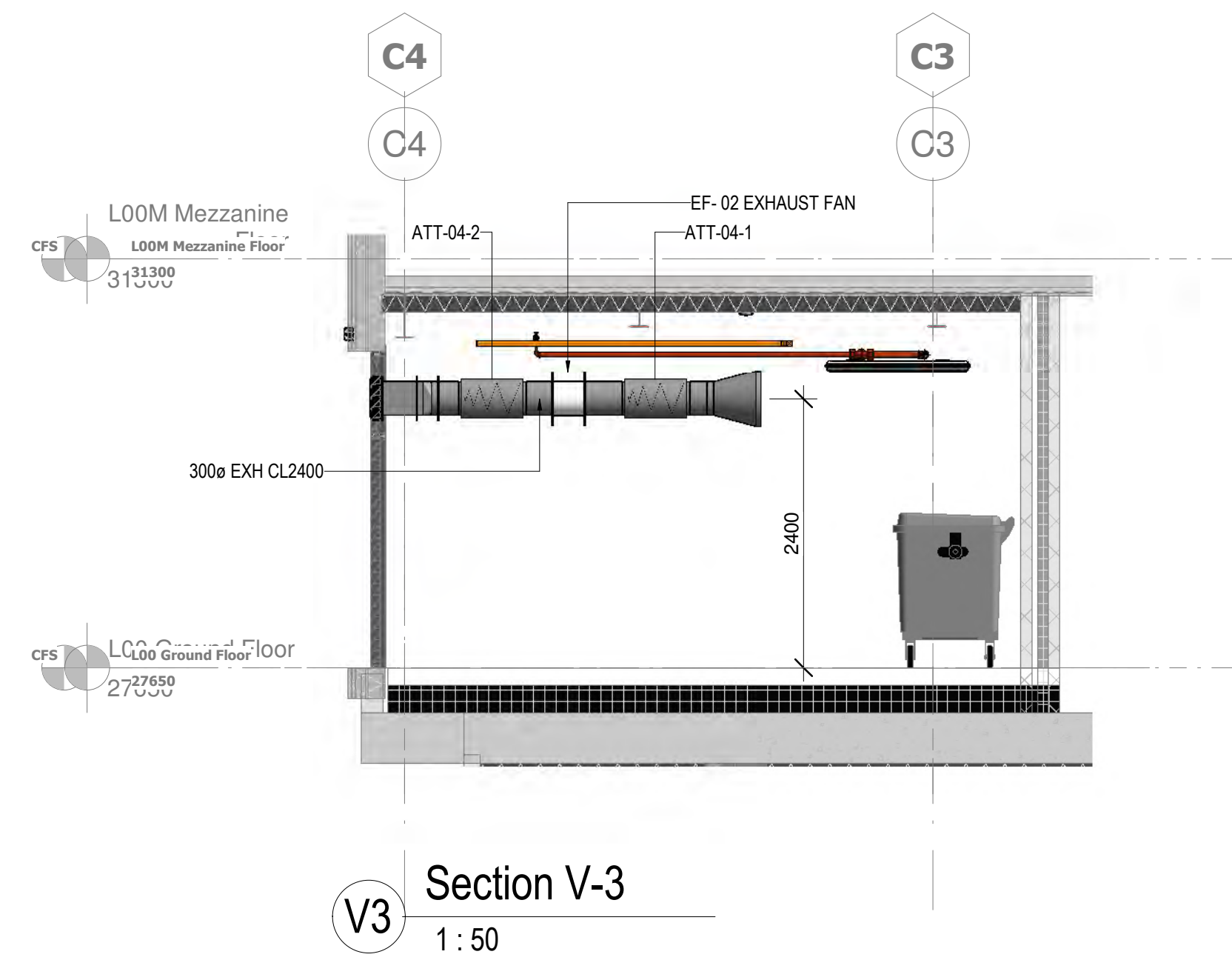


FIRE DAMPER FIXING DETAIL - PARTITION WALL

C01 CONSTRUCTION ISSUE	MD	25.01.21
P01 DESIGN ISSUE	AH	13.11.20
Rev	Description	Drawn Date
Briggs & Forrester ENGINEERING SERVICES LTD Consulting Group 2550 Canterbury Park Canterbury Kent ME4 4GE www.briggsandforrester.co.uk Registered in England No. 187341		
Client: LENLEASE		
Project: GLOBE AND SIMPSON (5258)		
Drawing Title: BASEMENT LEVEL VENTILATION LAYOUT		
Scale:	As indicated @ A0	Checked: RC
Drawing Number:	SJQ-102-BAF-XX-B01-DR-M-57401	Revision: C01
Suitability:	Drawing Status:	
A1	CONSTRUCTION	
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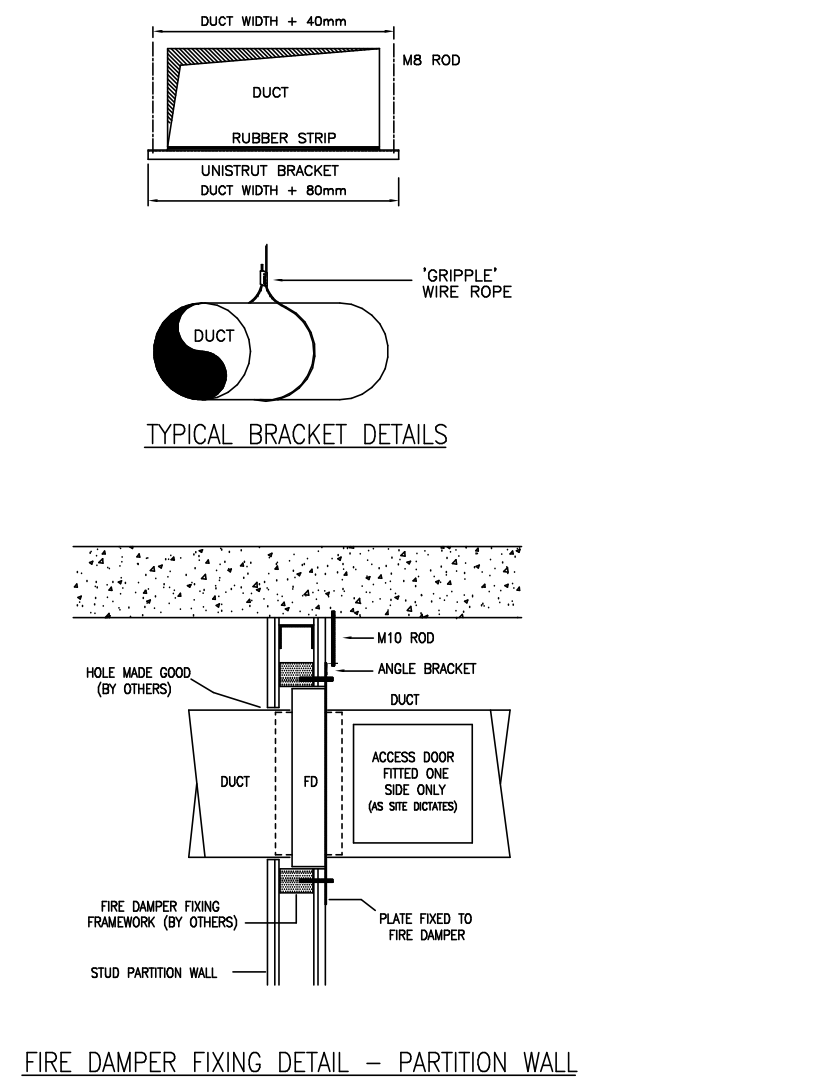


1 L00 Ground Floor Ventilation Layout
1: 100



Building Outline Information	
Architect Model/Drawing Number	Revision
B&F PROJECT NUMBER: 5258	

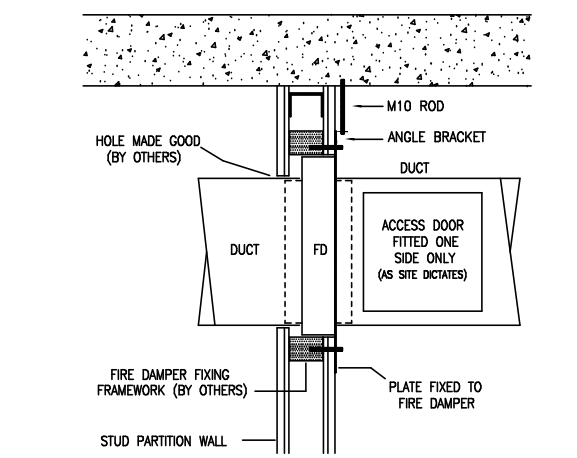
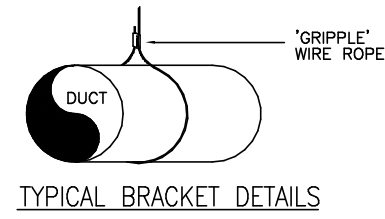
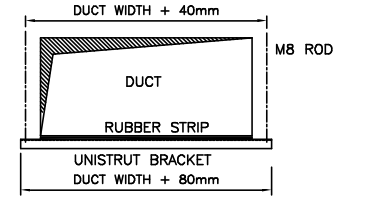
- NOTES
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.
 2. DUCTWORK INSTALLATION TO BE IN ACCORDANCE WITH DW114.
 3. ALL SUPPLY AND EXTRACT DUCTWORK IN ROOF SPACE, RISERS & PLANTROOM TO BE THERMALLY INSULATED.
 4. FIRE DAMPERS AND ACCESS PANELS TO BE PROVIDED IN THE LOCATIONS INDICATED. FIRE DAMPERS TO BE OUT OF AIR STREAM TYPE.
 5. FINAL NUMBER AND LOCATION OF IMPULSE FAN UNITS TO BE DETERMINED BY CAR PARK VENTILATION SPECIALIST.
 6. TO BE READ IN CONJUNCTION WITH VENTILATION SCHEMATIC. SJQ-102-BAF-ZZ-XX-DR-M-57M1 & SMOKE VENTILATION SCHEMATIC SJQ-102-BAF-ZZ-XX-DR-M-57M2.
- LEGEND
- FD FIRE DAMPER
 - AV AIR VALVE
 - CAV CONSTANT AIR VOLUME BOX
 - S SUPPLY AIR
 - R RETURN AIR
 - TEX TOILET EXTRACT
 - VCD VOLUME CONTROL DAMPER
 - ATT ATTENUATOR
 - AP ACCESS PANEL
- ABBREVIATIONS
- L TO R LEFT TO RIGHT
T TO B TOP TO BOTTOM
FA FROM ABOVE
DFA DROPS FROM ABOVE
RTA RISE TO ABOVE
TB TO BELOW
DTB DROPS TO BELOW
RFB RISES FROM BELOW
CL CENTRE LINE
BOO BOTTOM OF DUCT
DTLL DROPS TO LOW LEVEL
CI CAST IRON



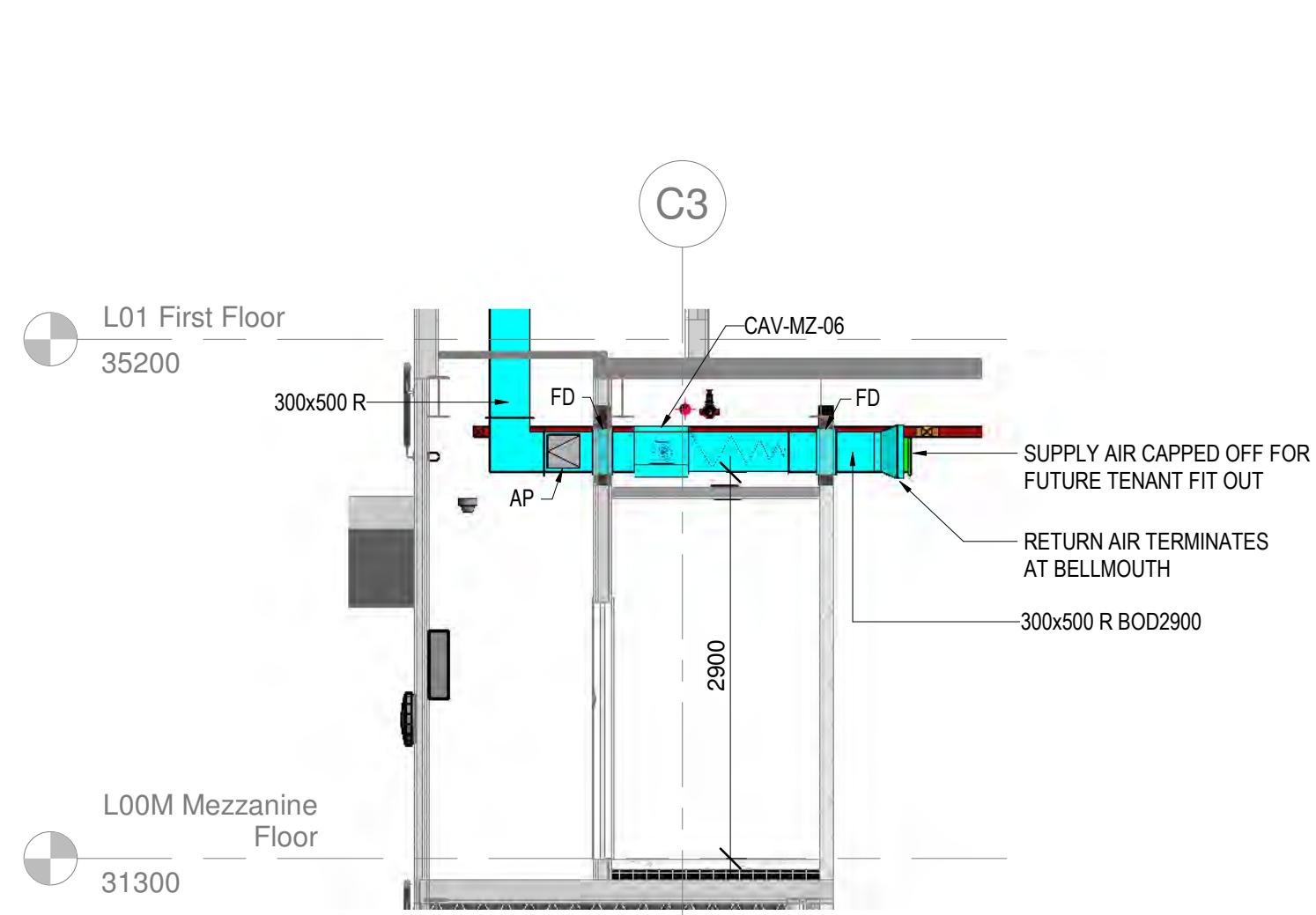
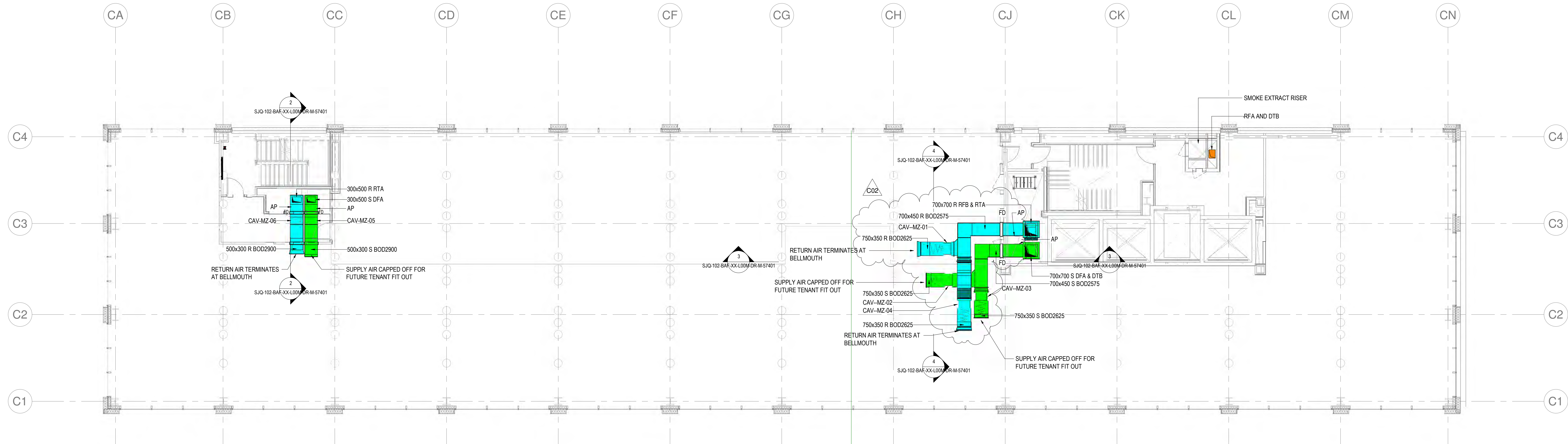
C02	DUCTWORK AMENDED AS CLOUDED	BP	05/10/21	
C01	CONSTRUCTION ISSUE	MD	25.01.21	
P01	DESIGN ISSUE	AH	05.11.20	
Rev	Description	Drawn	Date	
Briggs & Forrester ENGINEERING SERVICES LTD Consultant 6550 Daresbury Park Daresbury Cheshire WA4 4GE www.briggsandforrester.co.uk Tel: (01928) 798279				

Building Outline Information	
Architect Model/Drawing Number	Revision
B&F PROJECT NUMBER: 5258	

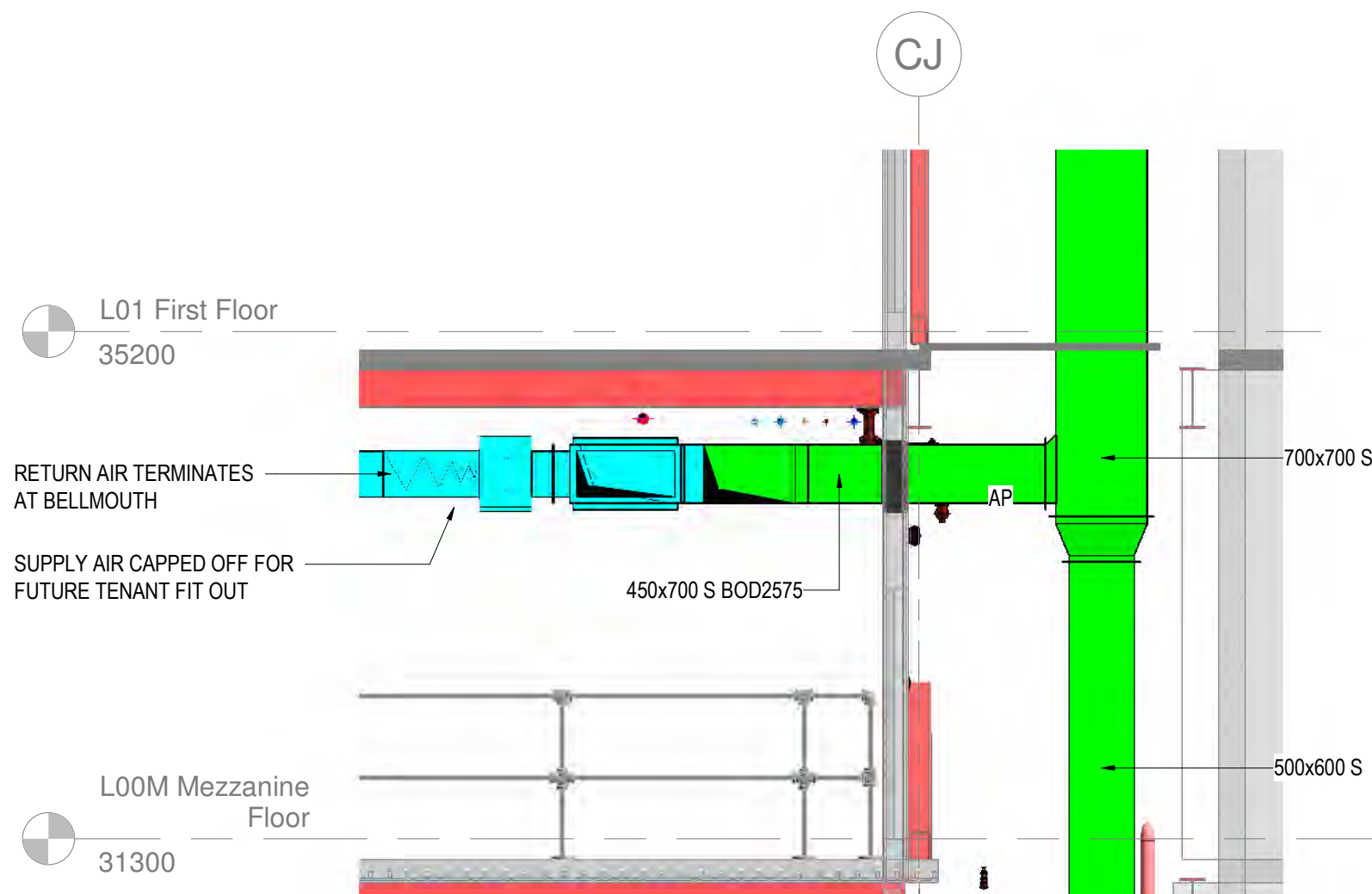
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1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.
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- LEGEND
- FD FIRE DAMPER
- AV AIR VALVE
- CAV CONSTANT AIR VOLUME BOX
- S SUPPLY AIR
- R RETURN AIR
- TEX TOILET EXTRACT
- VCB VOLUME CONTROL DAMPER
- L VCB TOP TO BOTTOM
- T VCB ATTENUATOR
- DFP DROPS FROM ABOVE
- AFP ACCESS PANEL
- TB TO BELOW
- DTB DROPS TO BELOW
- RFB RISES FROM BELOW
- CL CENTRE LINE
- BOD BOTTOM OF DUCT
- DTLL DROPS TO LOW LEVEL
- CI CAST IRON



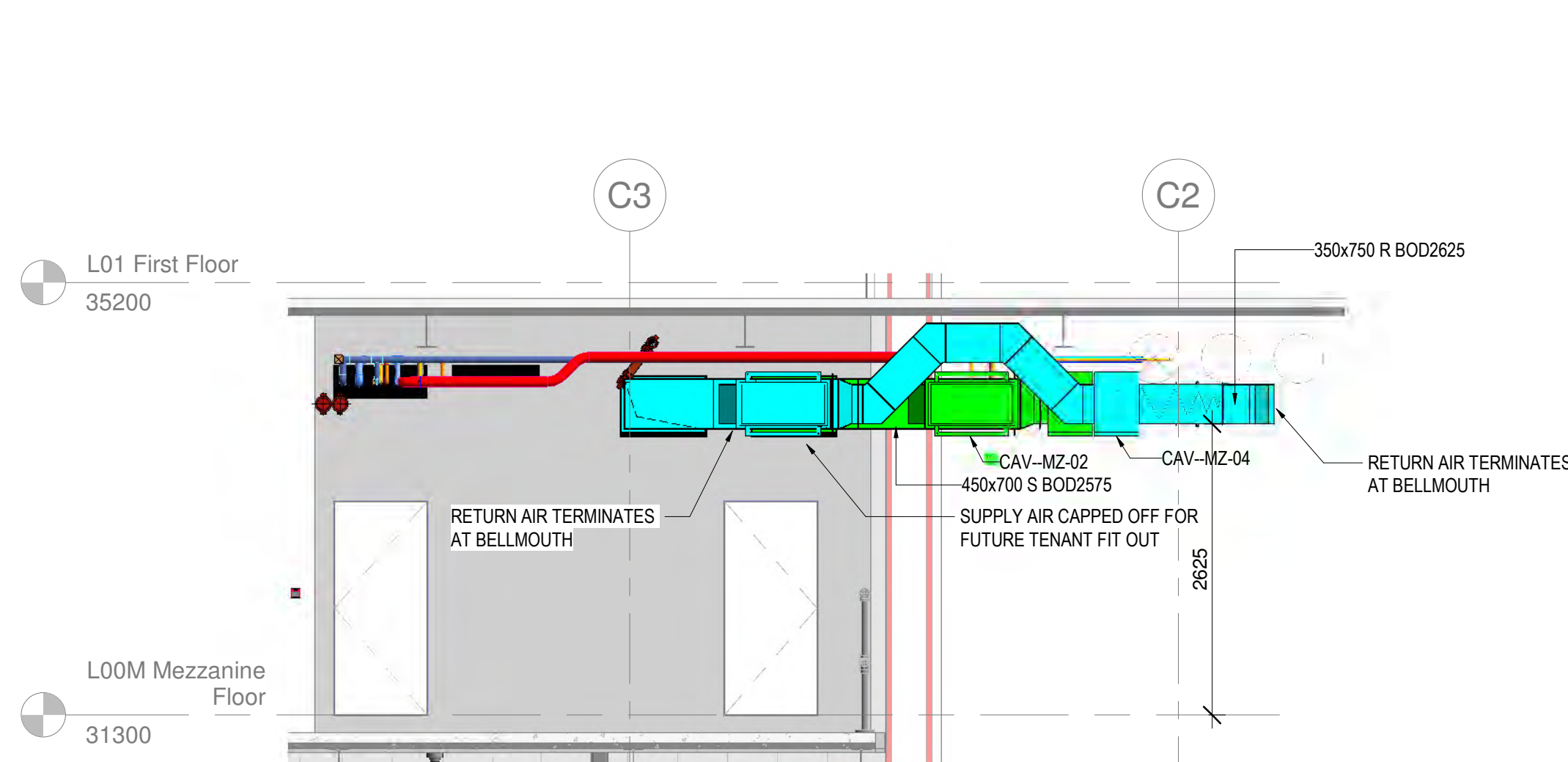
FIRE DAMPER FIXING DETAIL - PARTITION WALL



2 Section MZ-2
1 : 50



3 Section MZ-3
1 : 50



4 Section MZ-4
1 : 50

C02 DUCTWORK AMENDED AS CLOUDED	BP	05/10/21
C01 CONSTRUCTION ISSUE	MD	25.01.21
P01 DESIGN ISSUE	AH	13.11.20
Rev	Description	Drawn Date
Briggs & Forrester ENGINEERING SERVICES LTD Consultant Group 0250 Daresbury Park Daresbury Warrington Warrington WA4 4GE www.briggsandforrester.co.uk Registered in England No. 1875841		
Client: LENDELEASE		
Project: GLOBE AND SIMPSON (5258)		
Drawing Title: MEZZANINE LEVEL VENTILATION LAYOUT		
Scale: As indicated @ A0 Checked: RC		
Drawing Number: SJQ-102-BAF-XX-L00M-DR-M-57401		
Revision: C02		
Suitability: Drawing Status: A1 CONSTRUCTION		
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VC 668367

NOTES

- ### LEGEND

FD FIRE DAMPER

410 (11) 5

CONCLUSION

S SUPPLY AIR

R RETURN AIR

TEX-VIA TOILET EXTRA

VOLUME COM

TOP TO BOTTOM
ATTENUATOR

FA DROPS FROM
AP ACCESS DAM

3 TO BELOW

FB RISES FROM

00 CENTRE LINE
BOTTOM OF D

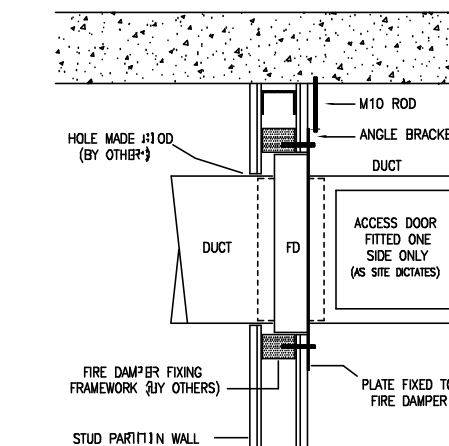
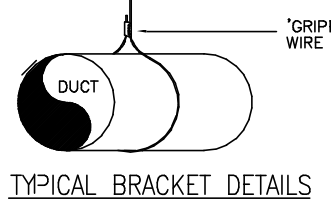
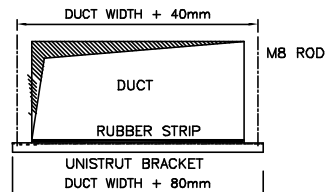
CAST IRON



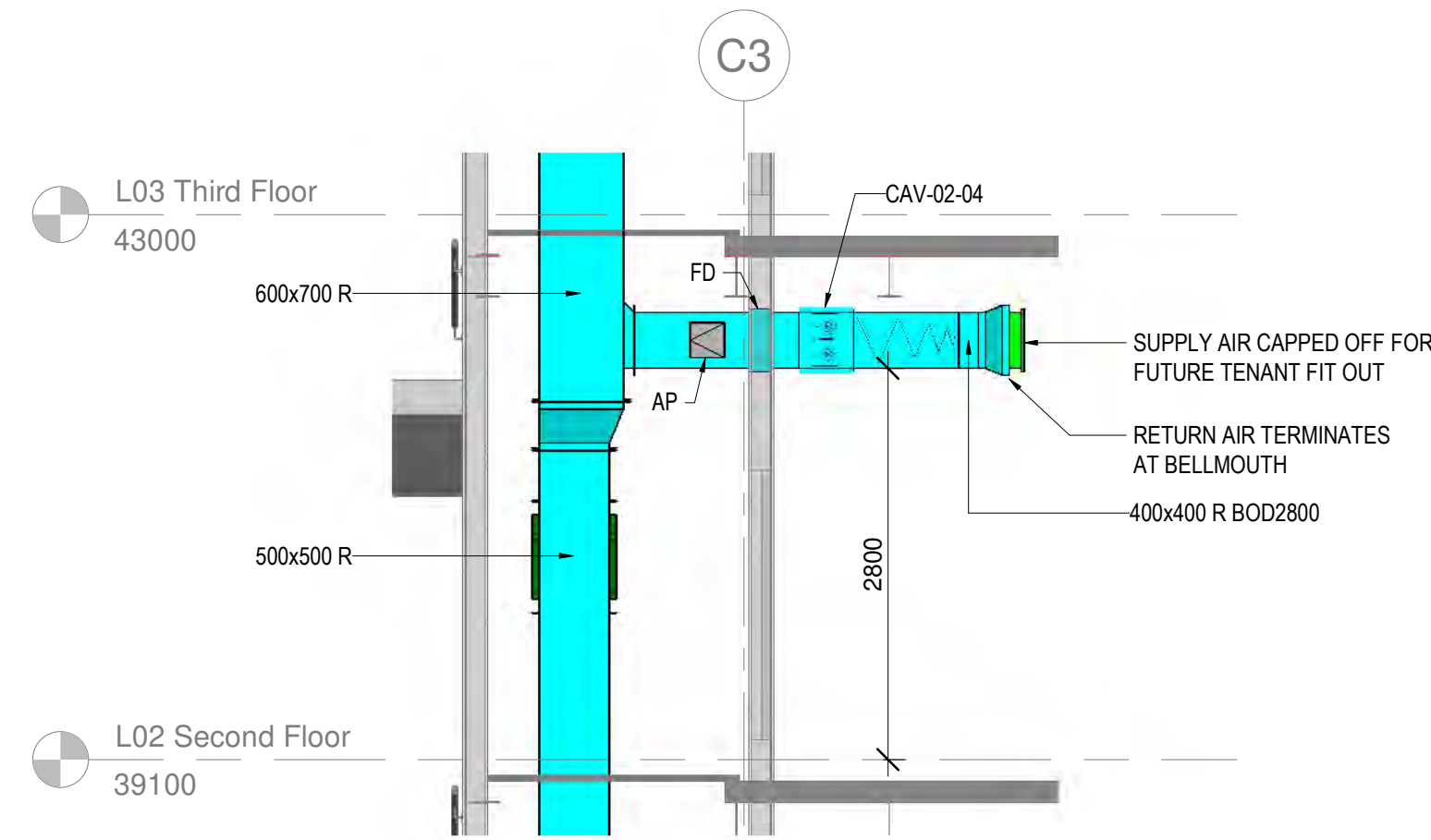
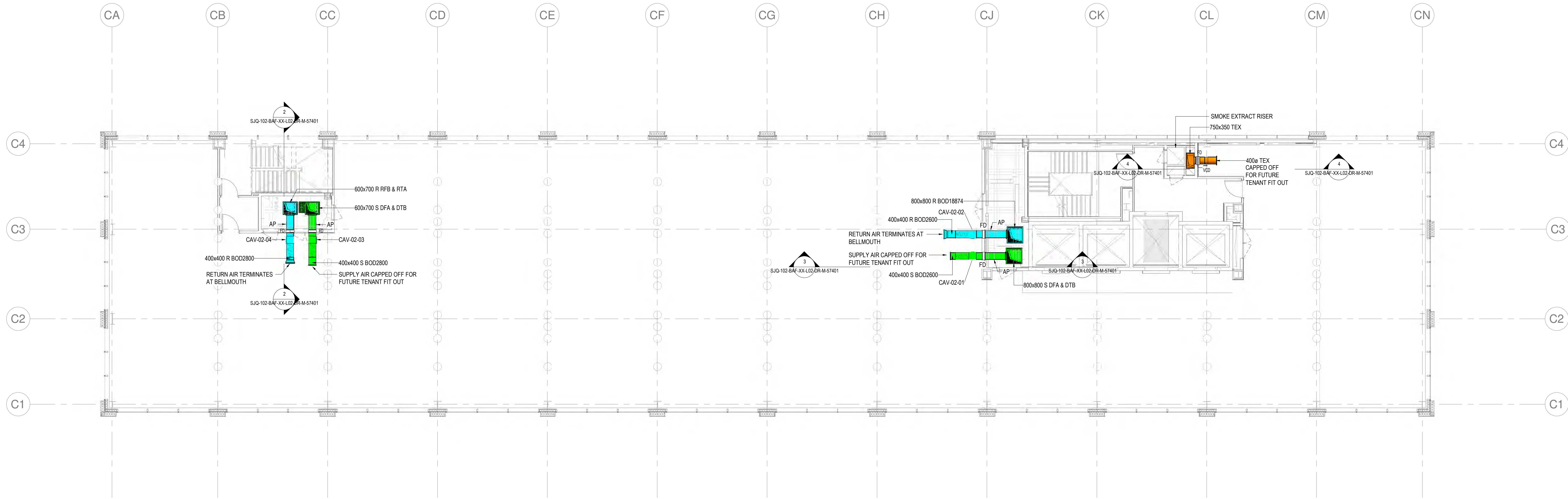
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POTI DESIGN ISSUE		MO	30.11.20
Rev	Description	Drawn	Date
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Client:		Tel: 01928 798279	
LENDLEASE			
Project: GLOBE AND SIMPSON (5258)			
Drawing Title: LEVEL 01 VENTILATION LAYOUT			
Scale: As indicated @ A0		Checked: RC	
Drawing Number: SJQ-102-BAF-XX-L01-DR-M-57401			Revision: C01
Suitability: Drawing Status:			
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Building Outline Information	
Architect Model/Drawing Number	Revision
B&F PROJECT NUMBER: 5258	

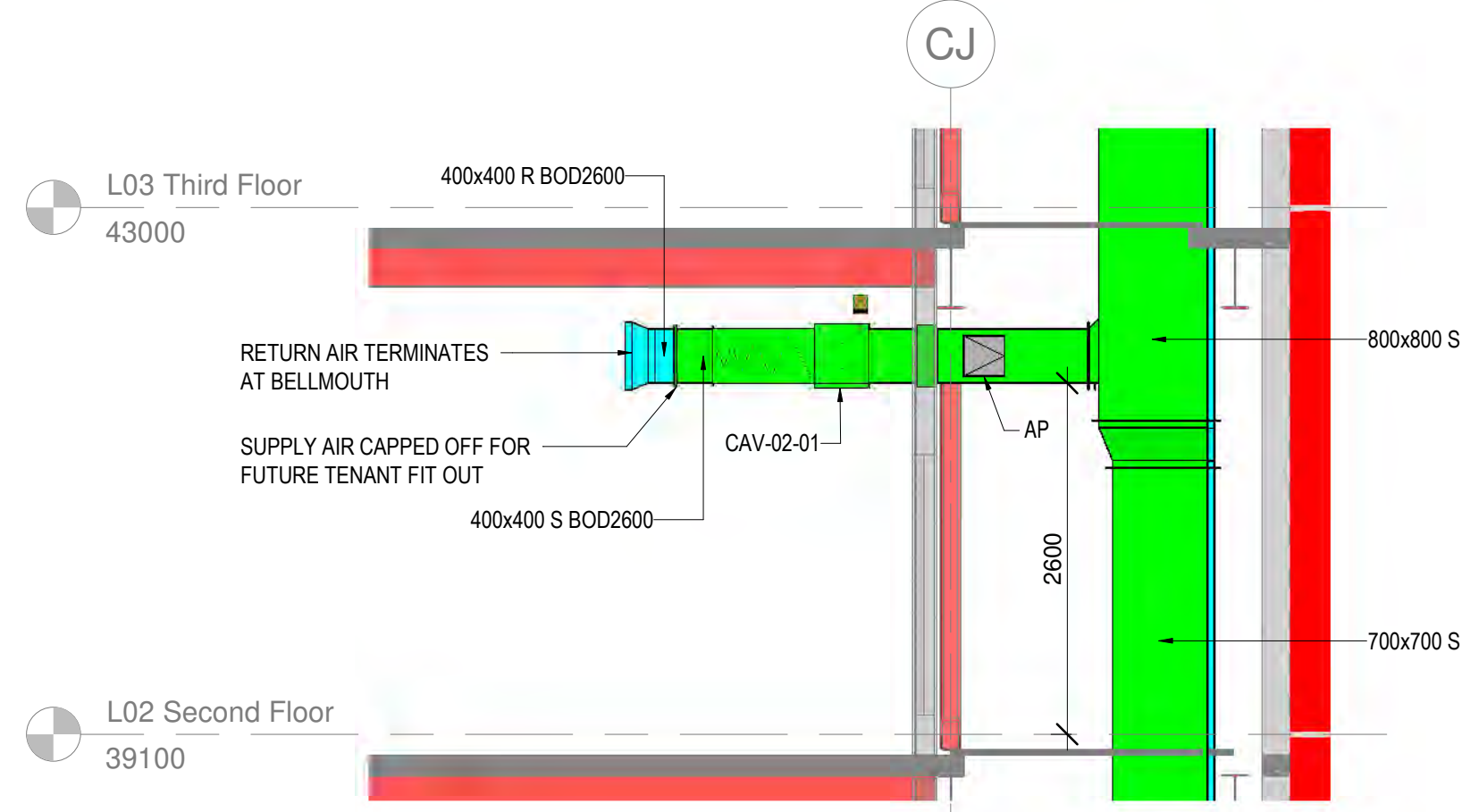
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 5. FINAL NUMBER AND LOCATION OF IMPULSE FAN UNITS TO BE DETERMINED BY CAR PARK VENTILATION SPECIALIST.
 6. TO BE READ IN CONJUNCTION WITH VENTILATION SCHEMATIC SJQ-102-BAF-22-XX-DR-M-5741 & SMOKE VENTILATION SCHEMATIC SJQ-102-BAF-22-XX-DR-M-5742.
- LEGEND
- FD FIRE DAMPER
AV AIR VALVE
CAV CONSTANT AIR VOLUME BOX
S SUPPLY AIR
R RETURN AIR
- ABBREVIATIONS: EXTRACT
- L TO R LEFT TO RIGHT
T TO B TOP TO BOTTOM
FANTT /FROM ABOVE
DFA DROPS FROM ABOVE
RTA? RISE TO ABOVE
TB TO BELOW
DTB DROPS TO BELOW
RFB RISES FROM BELOW
CL CENTRE LINE
BOD BOTTOM OF DUCT
CI CAST IRON



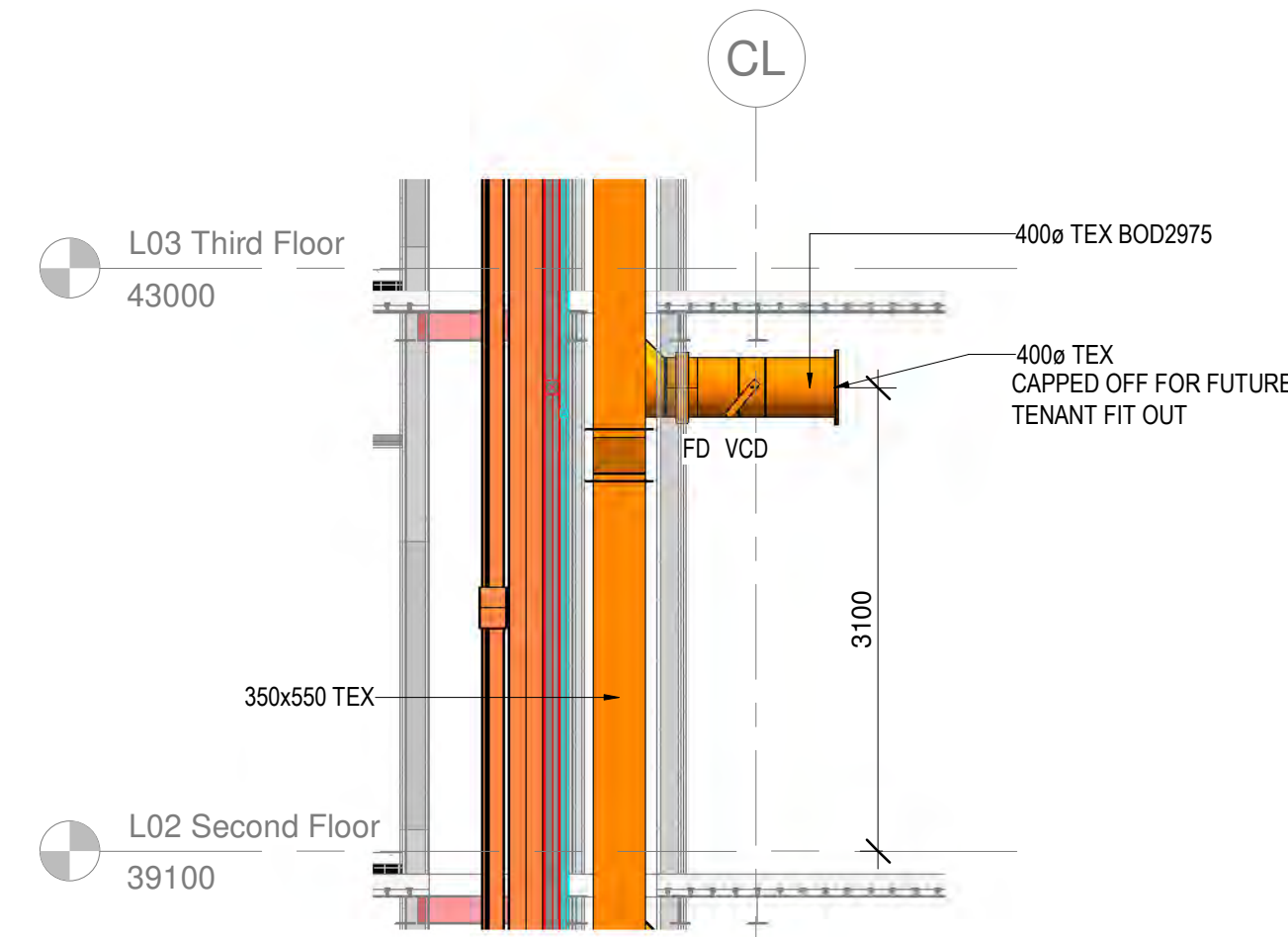
FIRE DAMPER FIXING DETAIL - PARTITION WALL



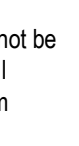
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3 Section 02-3
1 : 50



4 Section 02-4
1 : 50

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P01 DESIGN ISSUE		MD	30.11.20
Rev	Description	Drawn	Date
Briggs & Forrester ENGINEERING SERVICES LTD Consulting Civil 5250 Cavendish Park Cavendish W44 4GE www.briggsandforrester.co.uk Registered in England No. 1875841		Tel: (01920) 795279	
Client: LENLEASE			
Project: GLOBE AND SIMPSON (5258)			
Drawing Title: LEVEL 02 VENTILATION LAYOUT			
Scale: As indicated @ A0		Checked: RC	
Drawing Number: SJQ-102-BAF-XX-L02-DR-M-57401		Revision: C01	
Suitability: A1		Drawing Status: CONSTRUCTION	
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Building Outline Information	
Architect Model/Drawing Number	Revision
B&F PROJECT NUMBER: 5258	

NOTES

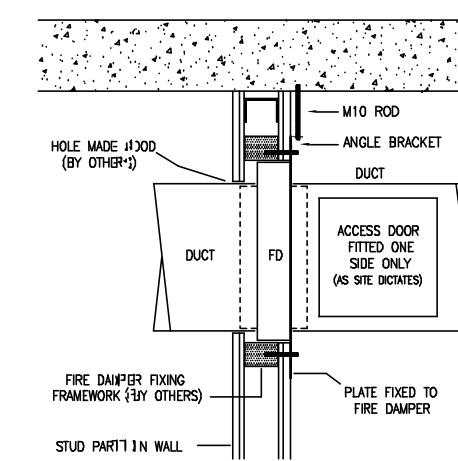
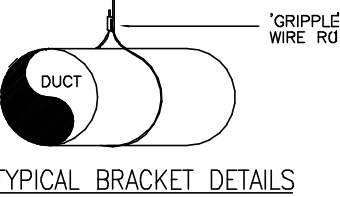
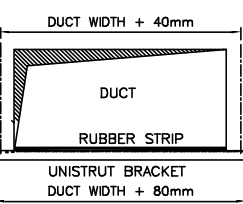
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3. ALL SUPPLY AND EXTRACT DUCTWORK IN ROOF SPACE, RISERS & PLANTROOM TO BE THERMALLY INSULATED.
4. FIRE DAMPERS AND ACCESS PANELS TO BE PROVIDED IN THE LOCATIONS INDICATED. FIRE DAMPERS TO BE OUT OF AIR STREAM TYPE.
5. FINAL NUMBER AND LOCATION OF IMPULSE FAN UNITS TO BE DETERMINED BY CAR PARK VENTILATION SPECIALIST.
6. TO BE READ IN CONJUNCTION WITH VENTILATION SCHEMATIC SJQ-102-BAF-ZZ-XX-DR-M-57941 & SMOKE VENTILATION SCHEMATIC SJQ-102-BAF-ZZ-XX-DR-M-57942.

LEGEND

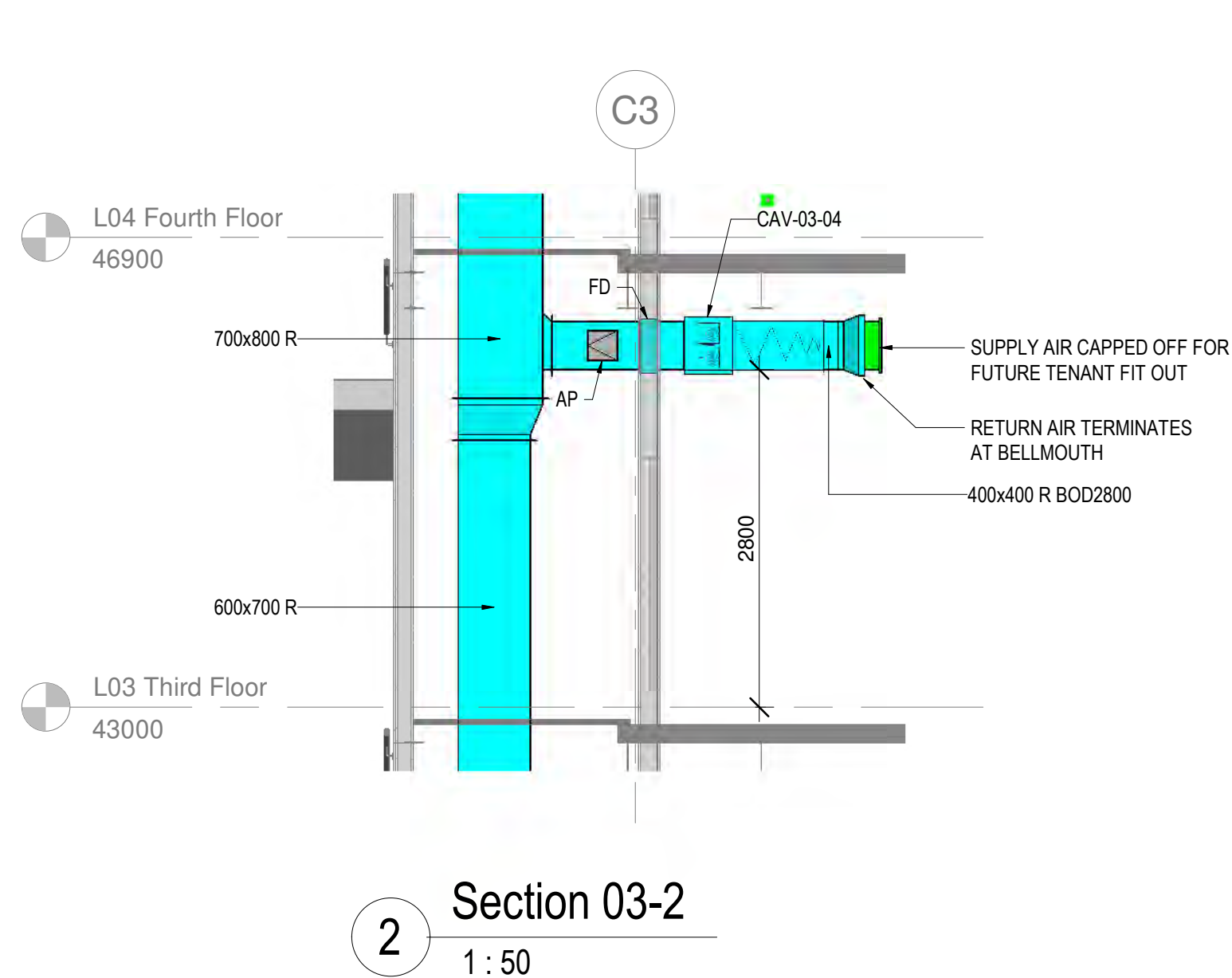
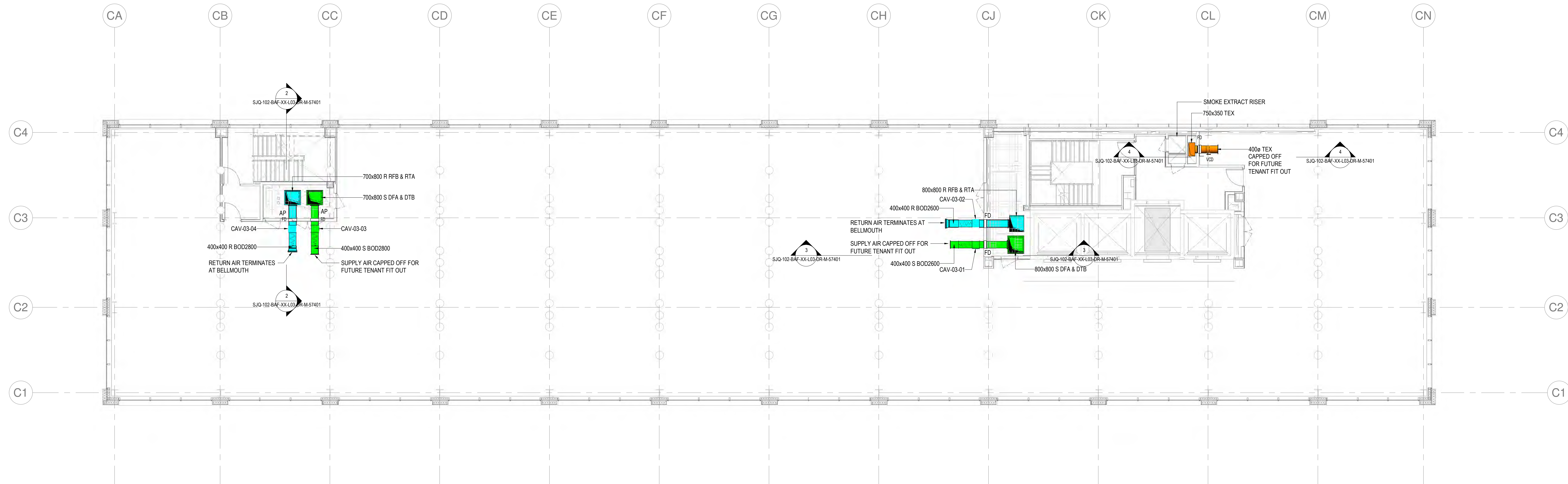
- FD FIRE DAMPER
AV AIR VALVE
CAV CONSTANT AIR VOLUME BOX
S SUPPLY AIR
R RETURN AIR

ABBREVIATIONS' EXTRACT

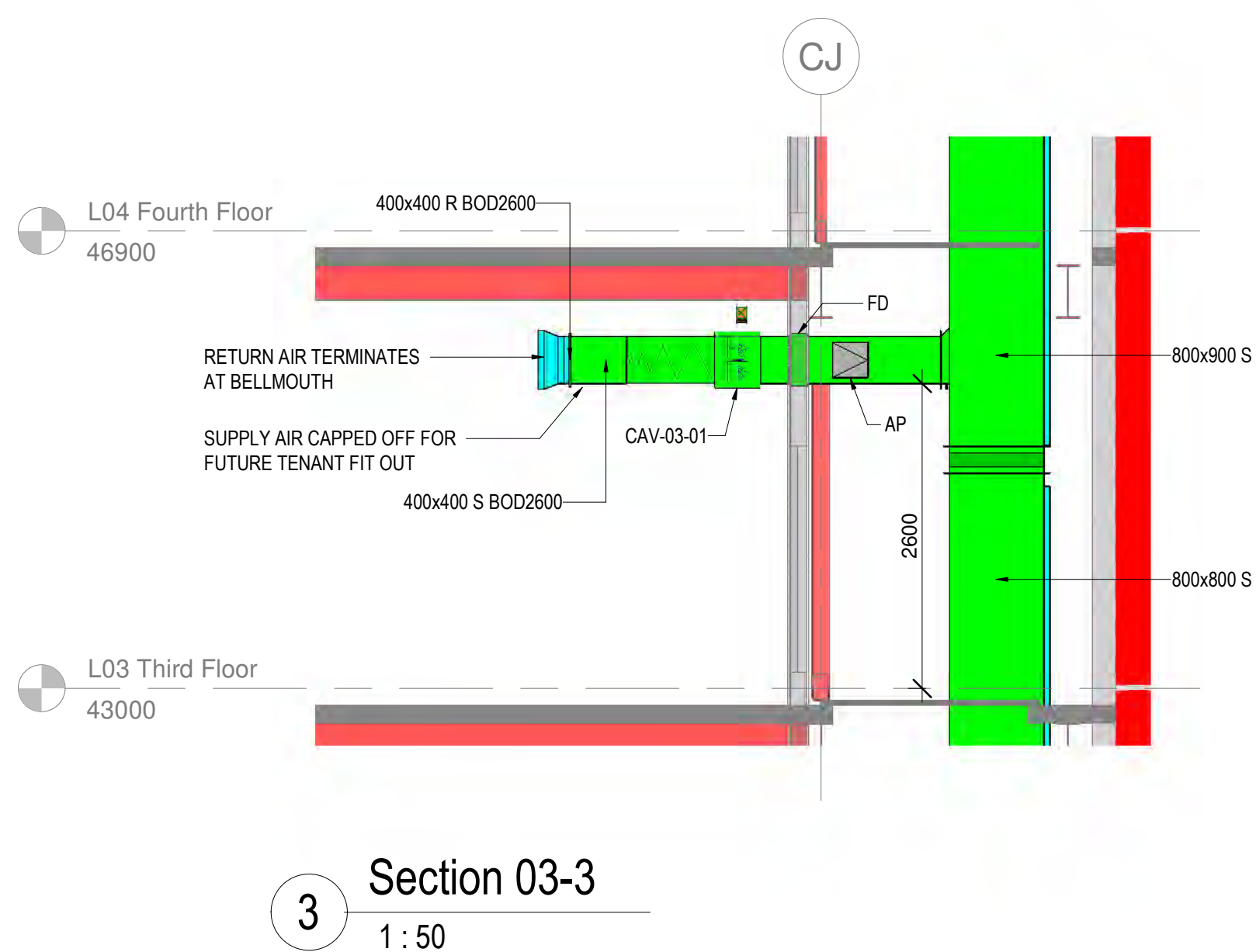
- L TO R LEFT TO RIGHT ROL DAMPER
T TO B TOP TO BOTTOM
FA^N1 FROM ABOVE
DFA DROPS FROM ABOVE
RTA^R RISE TO ABOVE
TB TO BELOW
DTB DROPS TO BELOW
RFB RISES FROM BELOW
CL CENTRE LINE
BOD BOTTOM OF DUCT
CI CAST IRON



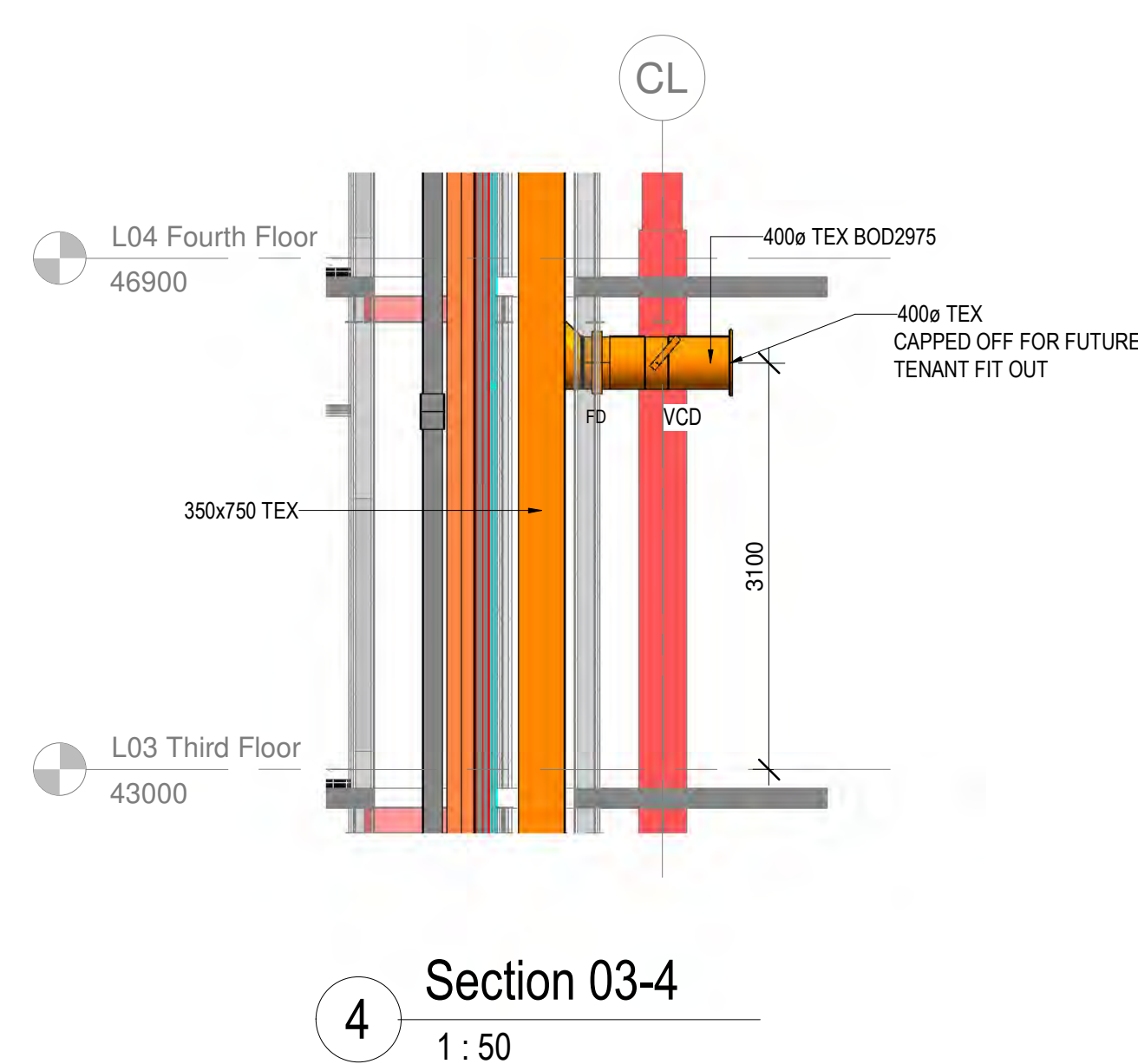
FIRE DAMPER FIXING DETAIL — PARTITION WALL



2 Section 03-2
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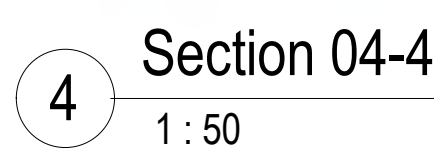
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4 Section 03-4
1:50

C01	CONSTRUCTION ISSUE	MD	25.01.21
P01	DESIGN ISSUE	MD	30.11.20
Rev	Description	Drawn	Date
Briggs & Forrester ENGINEERING SERVICES LTD Created: Gert 5250 Cranbury Park Dorset Woking GU24 0GE www.briggsandforrester.co.uk Registered in England No. 1875841		T41: 01952 798279	
Client: LENLEASE			
Project: GLOBE AND SIMPSON (5258)			
Drawing Title: LEVEL 03 VENTILATION LAYOUT			
Scale: As indicated @ A0		Checked: RC	
Drawing Number: SJQ-102-BAF-XX-L03-DR-M-57401		Revision: C01	
Suitability: A1	Drawing Status: CONSTRUCTION		
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FD	FIRE DAMPER
	AIR VALVE
CAV	CONSTANT AIR VOLUME BOX
S	SUPPLY AIR
R	RETURN AIR
	TOILET EXTRACT
LVCDR	VOLUME CONTROL DAMPER
T TO B	TOP TO BOTTOM
FATT	ATTENUATOR
FAP	UP/FROM ABOVE
FAP	ACCESS PANEL
TO B	TO BELOW
RTB	DROPS TO BELOW
RFB	RISES FROM BELOW
CL	CENTRE LINE
BD	BOTTOM OF DUCT
CI	CAST IRON

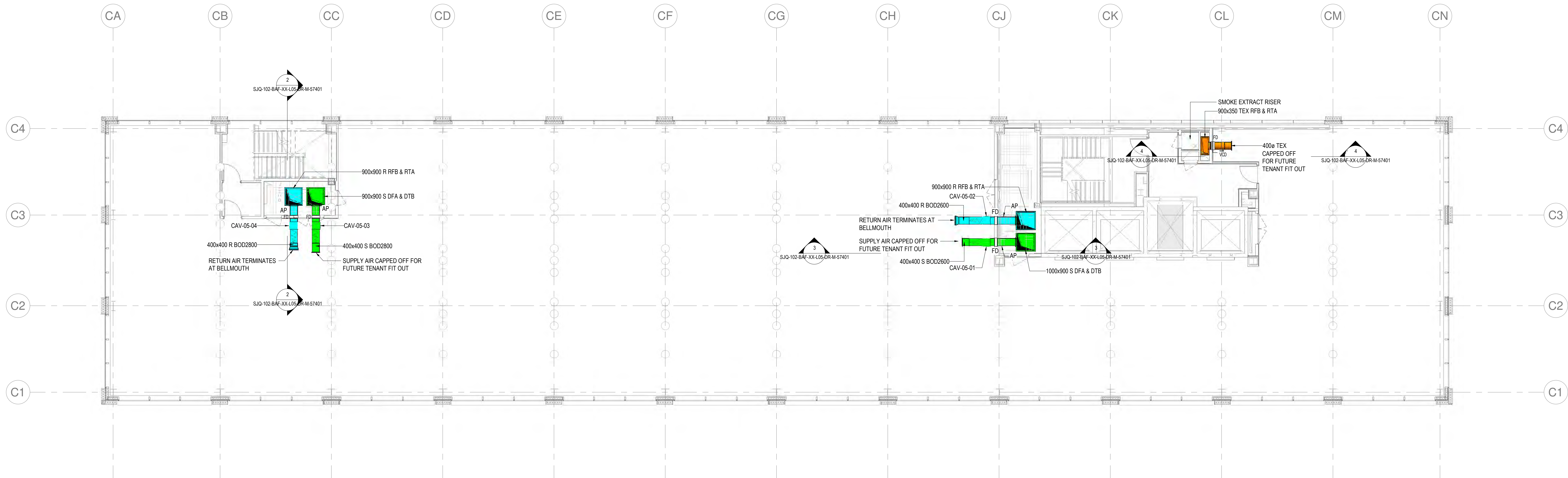


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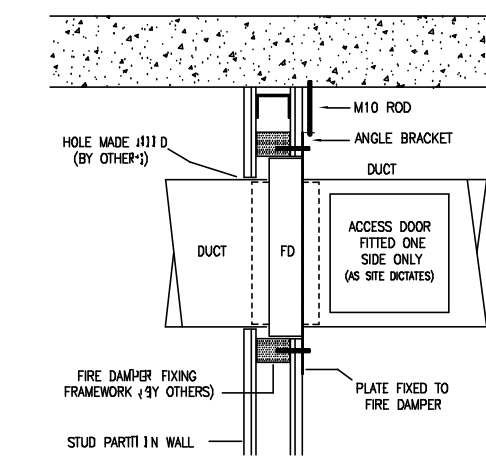
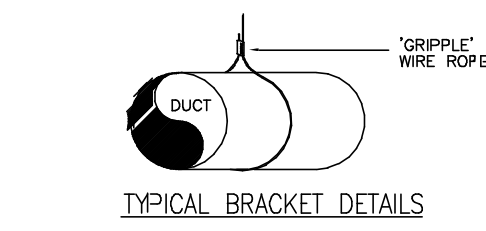
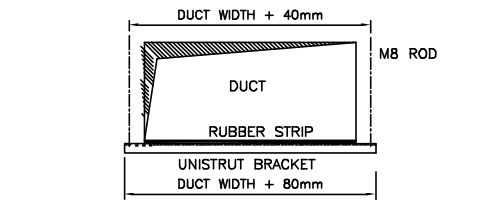
VC 658367

Building Outline Information	
Architect Model/Drawing Number	Revision
B&F PROJECT NUMBER: 5258	

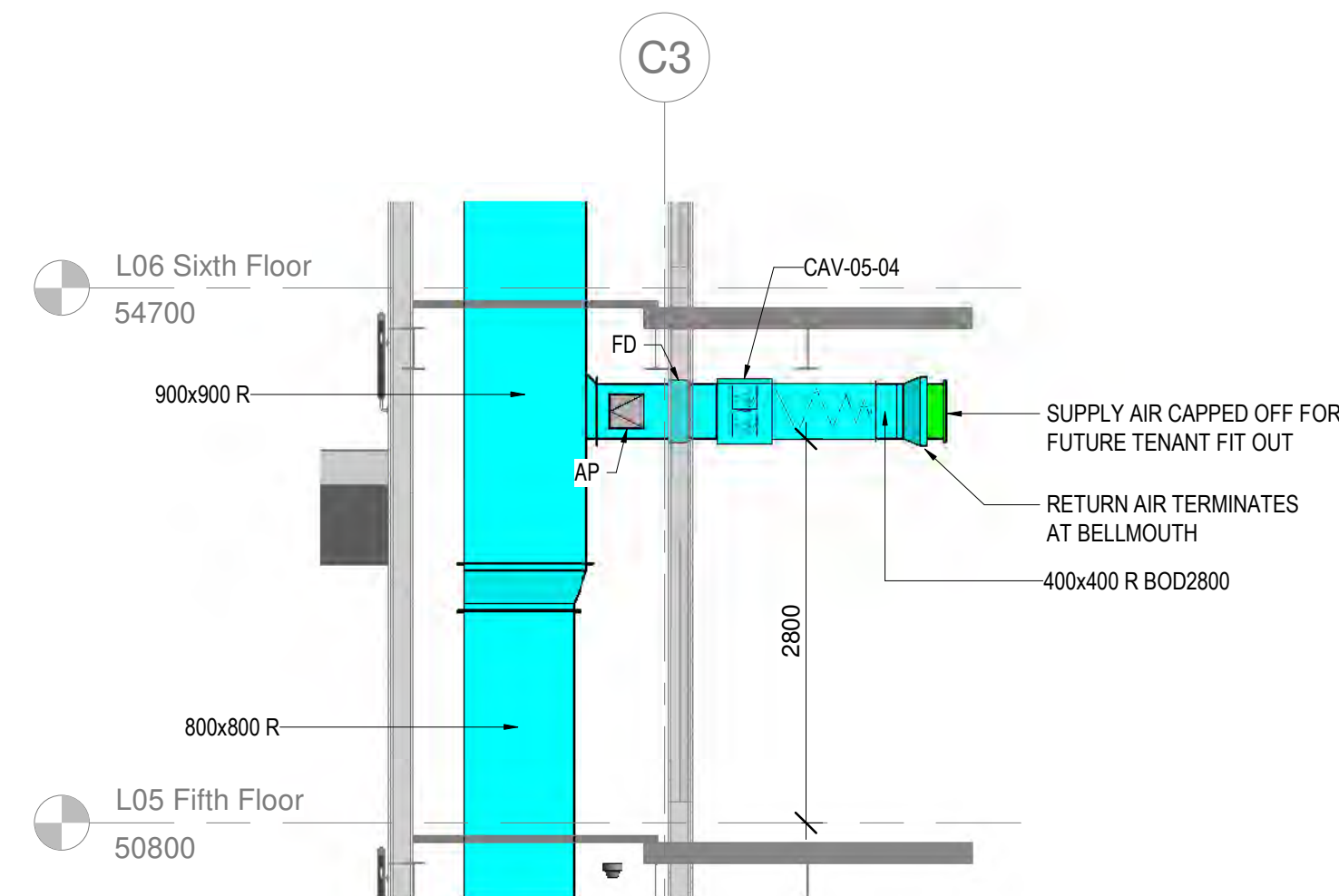
- NOTES
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 2. DUCTWORK INSTALLATION TO BE IN ACCORDANCE WITH DW144.
 3. ALL SUPPLY AND EXTRACT DUCTWORK IN ROOF SPACE, RISERS & PLANTROOM TO BE THERMALLY INSULATED.
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 6. TO BE READ IN CONJUNCTION WITH VENTILATION SCHEMATIC SJQ-102-BAF-ZZ-XX-DR-M-57941 & SMOKE VENTILATION SCHEMATIC SJQ-102-BAF-ZZ-XX-DR-M-57942.
- LEGEND
- FD FIRE DAMPER
AV AIR VALVE
CAV CONSTANT AIR VOLUME BOX
S SUPPLY AIR
R RETURN AIR
- ABBREVIATIONS: EXTRACT
- L TO R LEFT TO RIGHT, ROL DAMPER
T TO B TOP TO BOTTOM
F&T FROM ABOVE
DFA DROPS FROM ABOVE
RTAP RISE TO ABOVE
TB TO BELOW
DTB DROPS TO BELOW
RFB RISES FROM BELOW
CL CENTRE LINE
BOD BOTTOM OF DUCT
CI CAST IRON



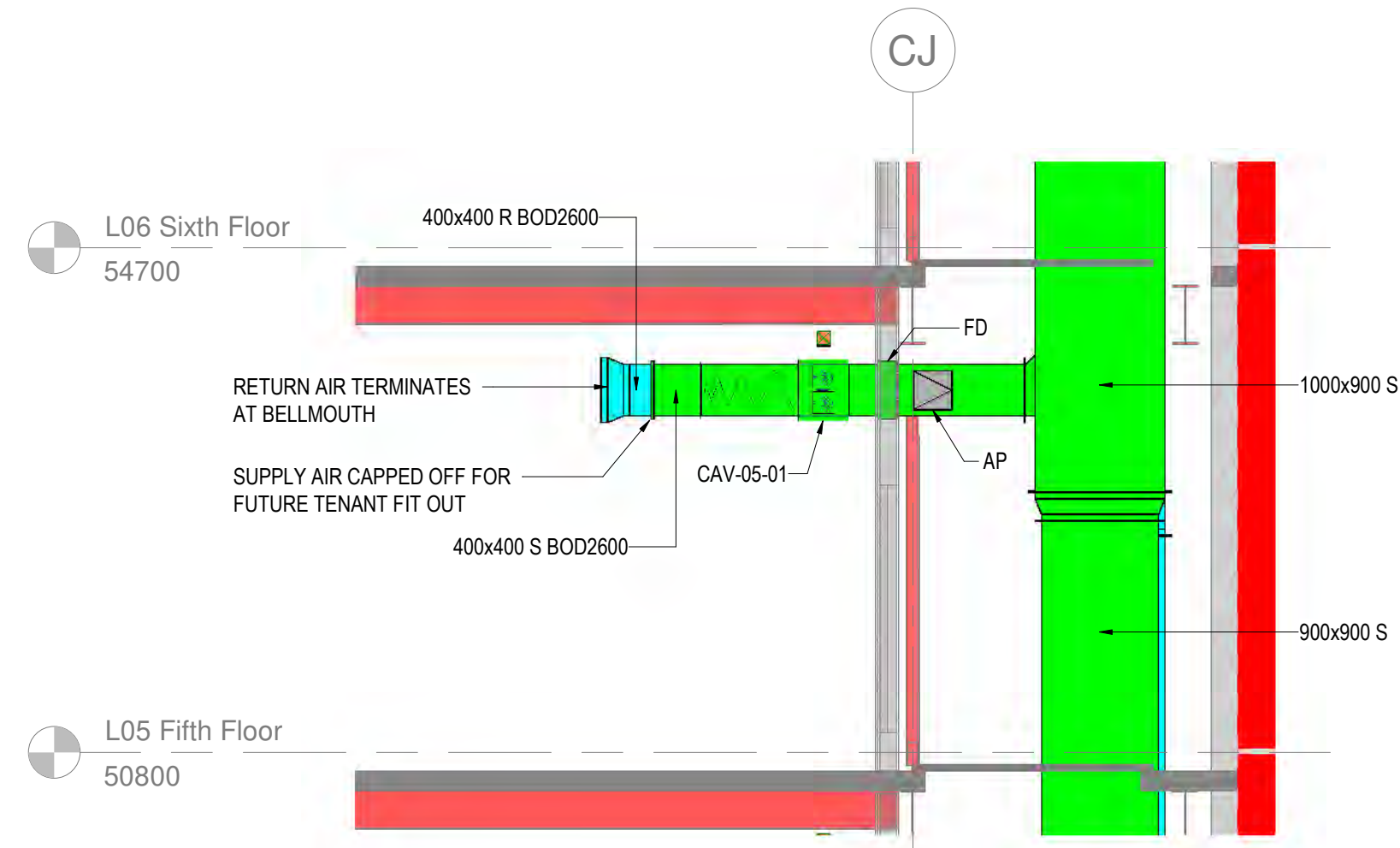
1 L05 Fifth Floor Ventilation Layout
1 : 100



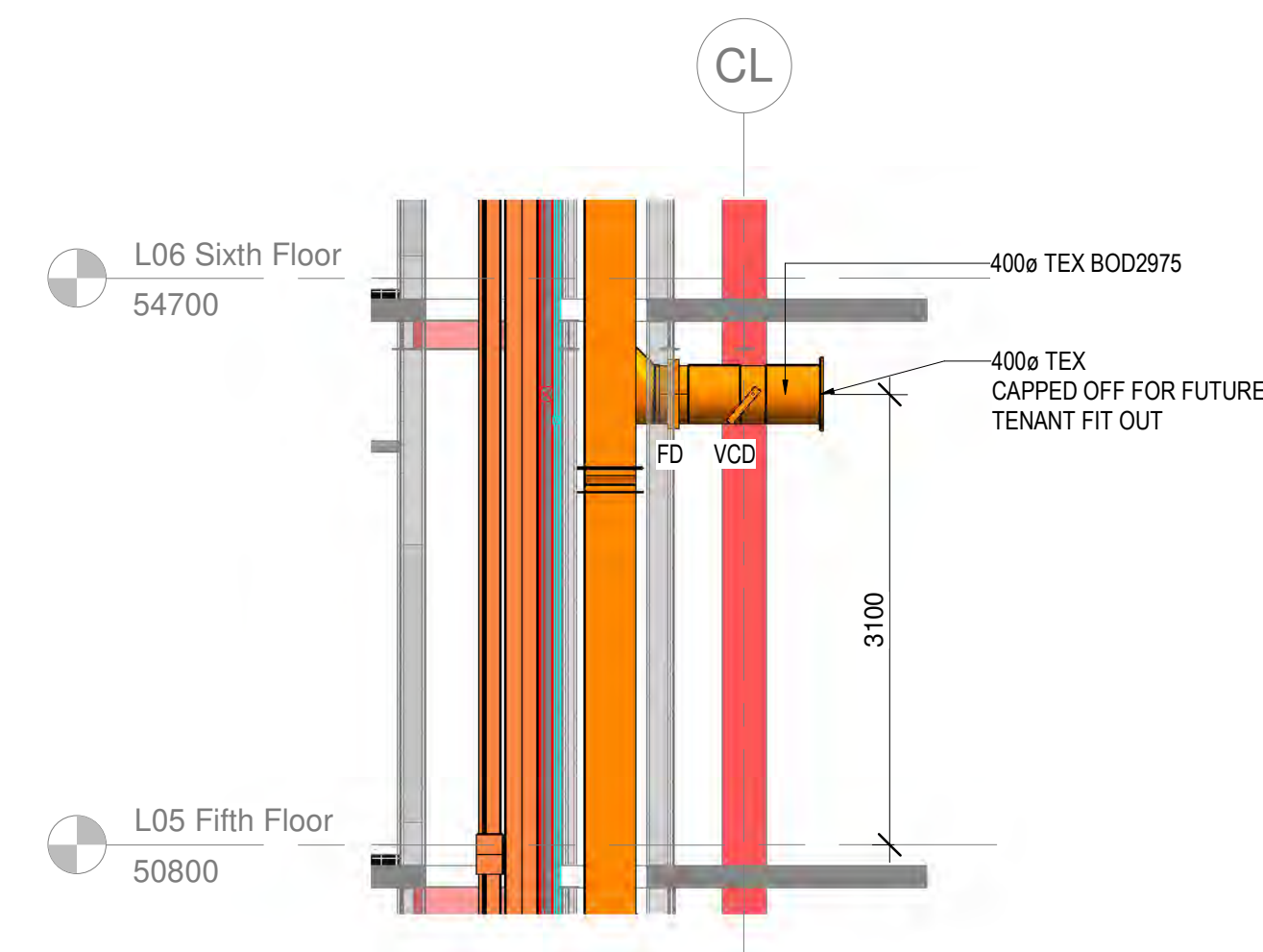
FIRE DAMPER FIXING DETAIL - PARTITION WALL



2 Section 05-2
1 : 50



3 Section 05-3
1 : 50

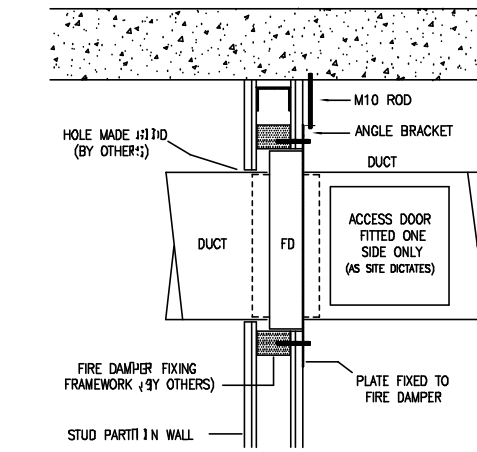
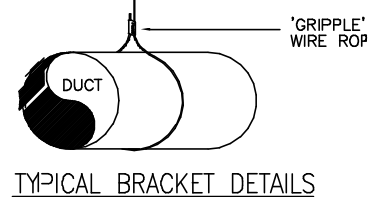
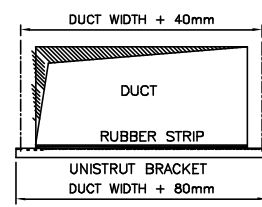


4 Section 05-4
1 : 50

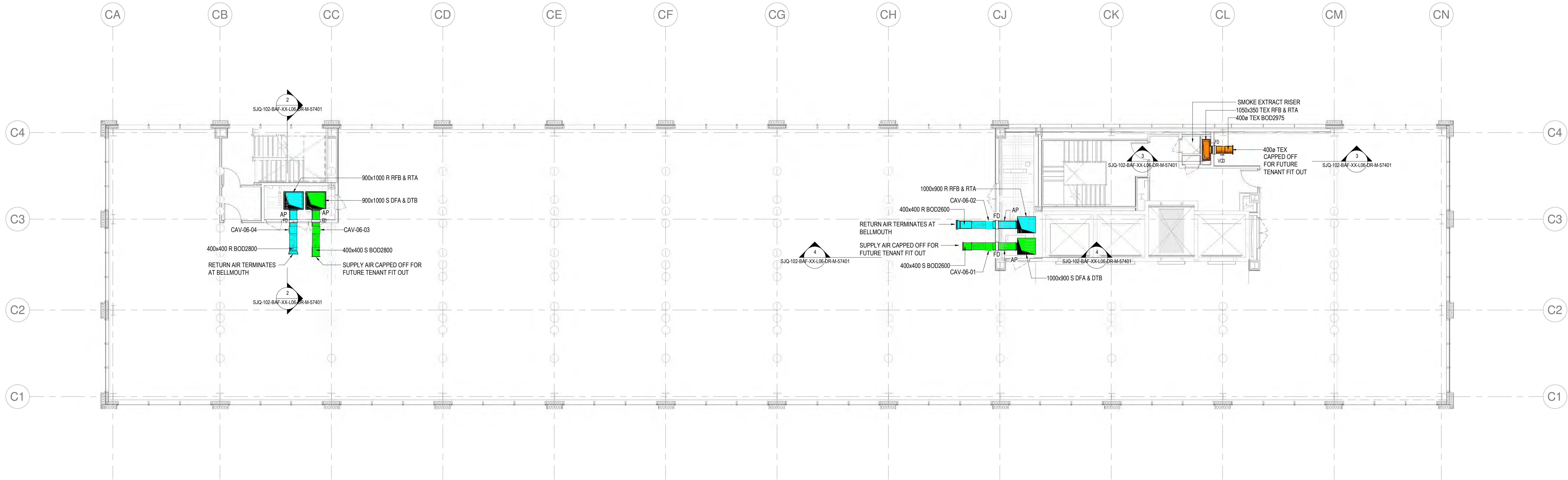
C01 CONSTRUCTION ISSUE		MD	25.01.21
P01 DESIGN ISSUE		MD	30.11.20
Rev	Description	Drawn	Date
Briggs & Forrester ENGINEERING SERVICES LTD Consultant 2500 Darnley Park Darnley W44 4GE www.briggsandforrester.co.uk Registered in England No. 1875841		Tel: (01938) 798279	
Client: LENLEASE			
Project: GLOBE AND SIMPSON (5258)			
Drawing Title: LEVEL 05 VENTILATION LAYOUT			
Scale:	As indicated @ A0	Checked:	RC
Drawing Number: SJQ-102-BAF-XX-L05-DR-M-57401		Revision:	C01
Suitability:	Drawing Status: A1 CONSTRUCTION		
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Building Outline Information	
Architect Model/Drawing Number	Revision
B&F PROJECT NUMBER: 5258	

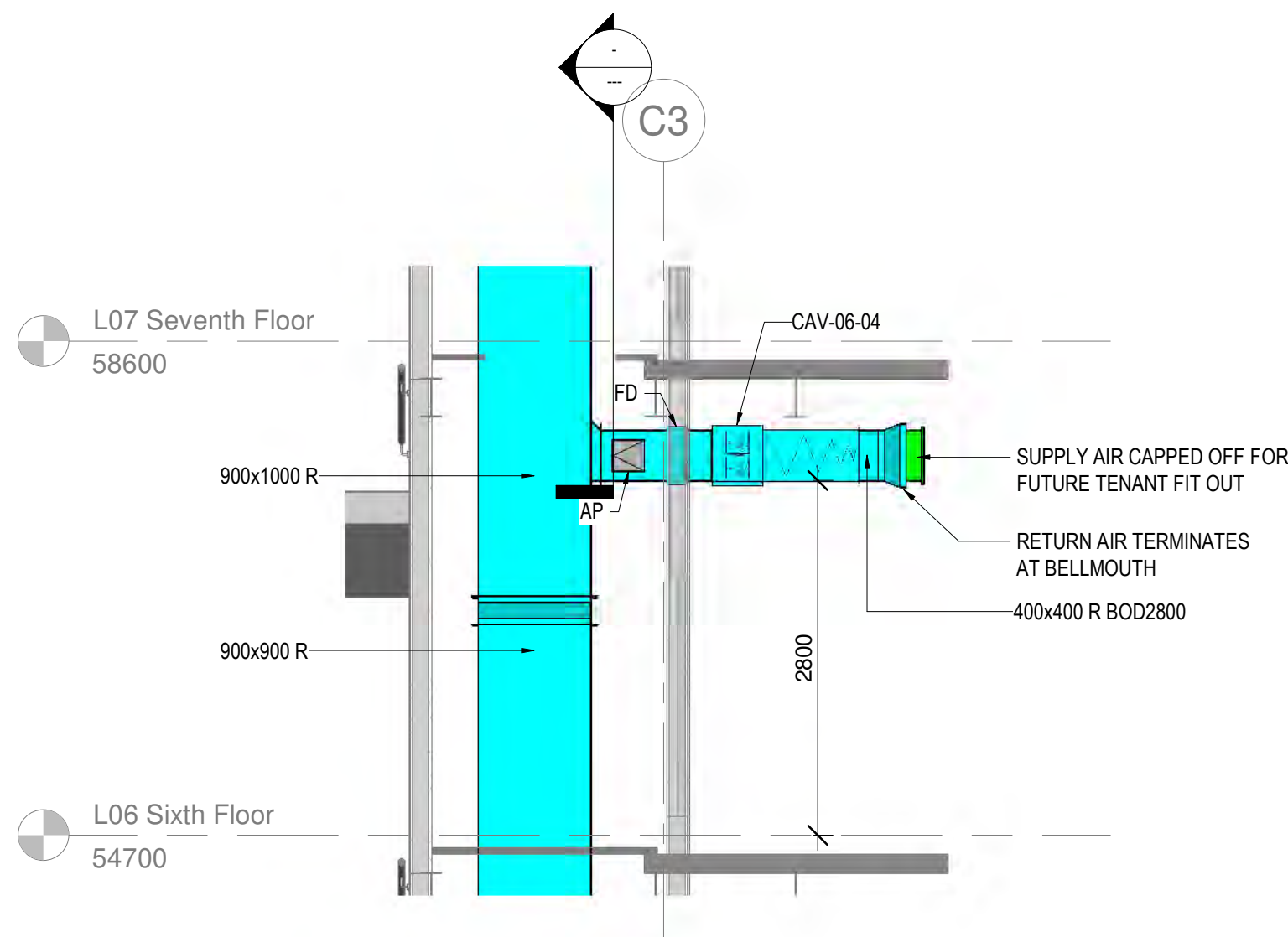
- NOTES
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.
 2. DUCTWORK INSTALLATION TO BE IN ACCORDANCE WITH DW144.
 3. ALL SUPPLY AND EXTRACT DUCTWORK IN ROOF SPACE, RISERS & PLANTROOM TO BE THERMALLY INSULATED.
 4. FIRE DAMPERS AND ACCESS PANELS TO BE PROVIDED IN THE LOCATIONS INDICATED. FIRE DAMPERS TO BE OUT OF AIR STREAM TYPE.
 5. FINAL NUMBER AND LOCATION OF IMPULSE FAN UNITS TO BE DETERMINED BY CAR PARK VENTILATION SPECIALIST.
 6. TO BE READ IN CONJUNCTION WITH VENTILATION SCHEMATIC
SJQ-102-BAF-CZ-XX-DR-M-57941 & SMOKE VENTILATION SCHEMATIC
SJQ-102-BAF-CZ-XX-DR-M-57942
- LEGEND
- FD FIRE DAMPER
AV AIR VALVE
CAV CONSTANT AIR VOLUME BOX
S SUPPLY AIR
R RETURN AIR
- ABBREVIATIONS: EXTRACT
- L TO R LEFT TO RIGHT ROL DAMPER
T TO B TOP TO BOTTOM
FA/TT /FROM ABOVE
DFA DROPS FROM ABOVE
RTA/ RISE TO ABOVE
TB TO BELOW
DTB DROPS TO BELOW
RFB RISES FROM BELOW
CL CENTRE LINE
BOD BOTTOM OF DUCT
CI CAST IRON



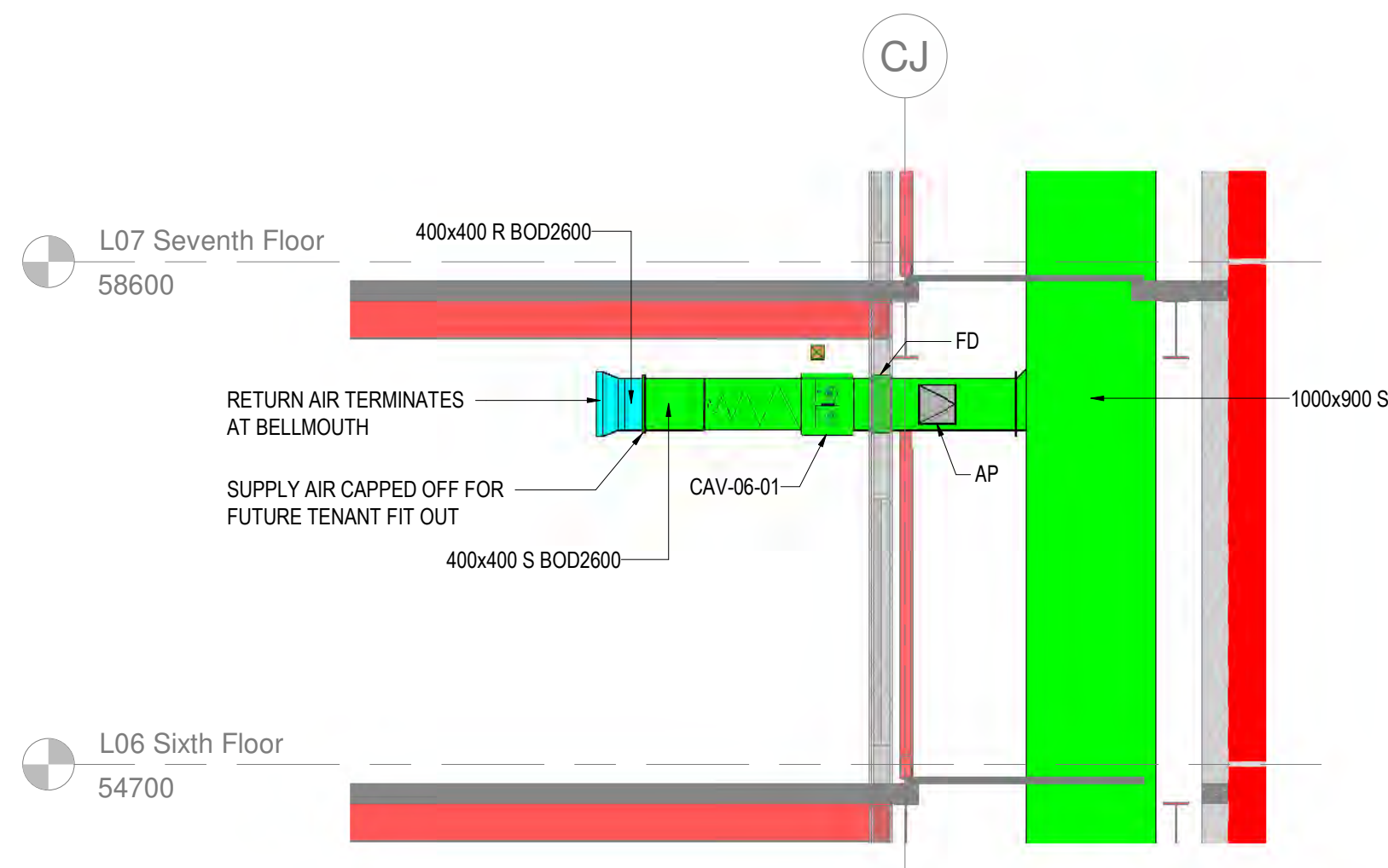
FIRE DAMPER FIXING DETAIL - PARTITION WALL



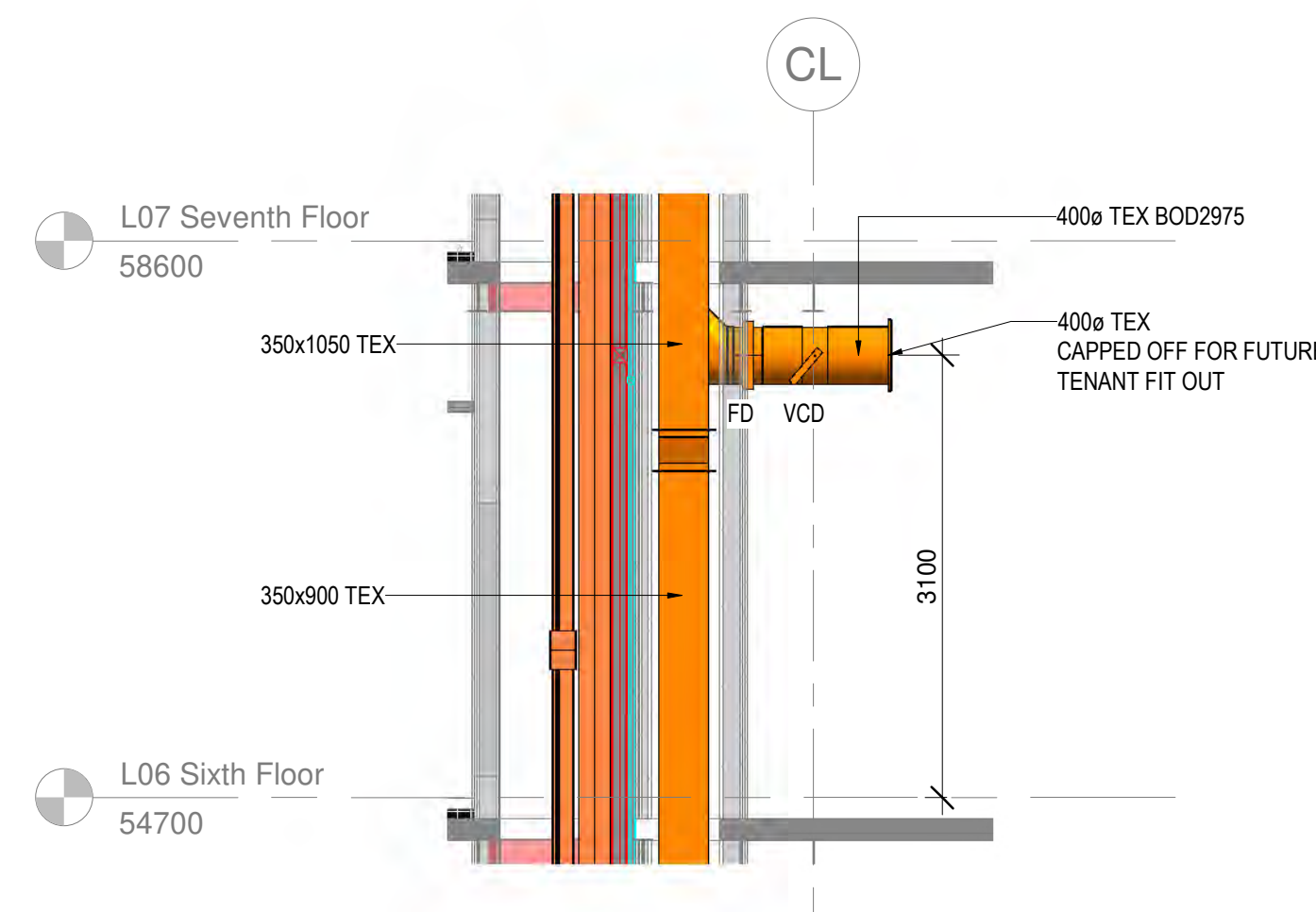
1 L06 Sixth Floor Ventilation Layout
1 : 100



2 Section 06-2
1 : 50



4 Section 06-3
1 : 50



3 Section 06-4
1 : 50

C01	CONSTRUCTION ISSUE	MD	25.01.21
P01	DESIGN ISSUE	MD	30.11.20
Rev	Description	Drawn	Date
Briggs & Forrester ENGINEERING SERVICES LTD Consulting Engineer 6250 Dorsetbury Park Dorsetbury W44 4GE www.briggsandforrester.co.uk Registered in England No. 1875341			
Client:		Tel: (01292) 798279	
LENLEASE			
Project:			
GLOBE AND SIMPSON (5258)			
Drawing Title:			
LEVEL 06 VENTILATION LAYOUT			
Scale: As indicated @ A0		Checked: RC	
Drawing Number:		Revision:	
SJQ-102-BAF-XX-L06-DR-M-57401		C01	
Suitability: Drawing Status:			
A1		CONSTRUCTION	
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		VC 658857	

Building Outline Information	
Architect Model/Drawing Number	Revision
B&F PROJECT NUMBER: 5258	

NOTES

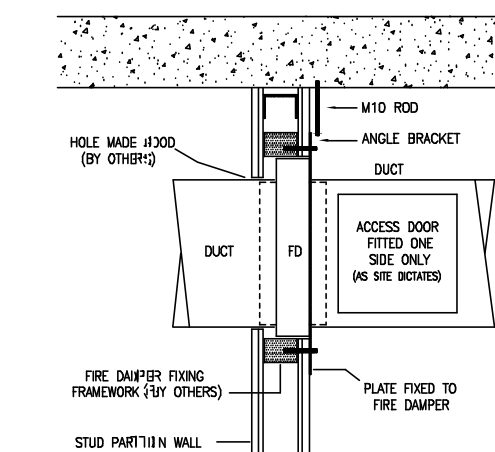
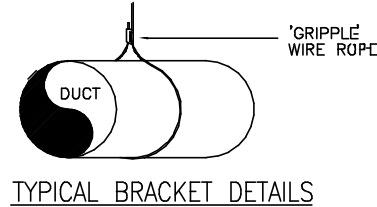
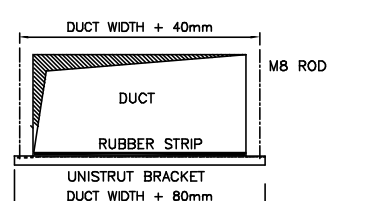
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.
2. DUCTWORK INSTALLATION TO BE IN ACCORDANCE WITH DW144.
3. ALL SUPPLY AND EXTRACT DUCTWORK IN ROOF SPACE, RISERS & PLANTROOM TO BE THERMALLY INSULATED.
4. FIRE DAMPERS AND ACCESS PANELS TO BE PROVIDED IN THE LOCATIONS INDICATED. FIRE DAMPERS TO BE OUT OF AIR STREAM TYPE.
5. FINAL NUMBER AND LOCATION OF IMPULSE FAN UNITS TO BE DETERMINED BY CAR PARK VENTILATION SPECIALIST.
6. TO BE READ IN CONJUNCTION WITH VENTILATION SCHEMATIC S/JQ-102-BAF-ZZ-XX-DR-M-57941 & SMOKE VENTILATION SCHEMATIC S/JQ-102-BAF-ZZ-XX-DR-M-57942.

LEGEND

- FD FIRE DAMPER
AV AIR VALVE
CAV CONSTANT AIR VOLUME BOX
S SUPPLY AIR
R RETURN AIR

ABBREVIATIONS EXTRACT

- L TO R LEFT TO RIGHT ROLL DAMPER
T TO B TOP TO BOTTOM
FA* FROM ABOVE
DFA DROPS FROM ABOVE
RTA RISE TO ABOVE
TB TO BELOW
DTB DROPS TO BELOW
RFB RISES FROM BELOW
CL CENTRE LINE
BOD BOTTOM OF DUCT
CI CAST IRON



FIRE DAMPER FIXING DETAIL - PARTITION WALL

C01 CONSTRUCTION ISSUE	MD	25.01.21
P01 DESIGN ISSUE	MD	30.11.20
Rev	Description	Drawn Date
Briggs & Forrester ENGINEERING SERVICES LTD Crested Court 2500 Clarendon Park Clarendon W44 4GE www.briggsandforrester.co.uk Registered in England No. 1875841		
Client: LENDELEASE		
Project: GLOBE AND SIMPSON (5258)		
Drawing Title: LEVEL 07 VENTILATION LAYOUT		
Scale: As indicated @ A0	Checked: RC	Revision:
Drawing Number: S/JQ-102-BAF-XX-L07-DR-M-57401	C01	
Suitability: A1	Drawing Status: CONSTRUCTION	
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Client:
LENDELEASE

Project:
GLOBE AND SIMPSON
(5258)

Drawing Title:
LEVEL 07
VENTILATION LAYOUT

Scale: As indicated @ A0 Checked: RC

Drawing Number:
S/JQ-102-BAF-XX-L07-DR-M-57401 C01

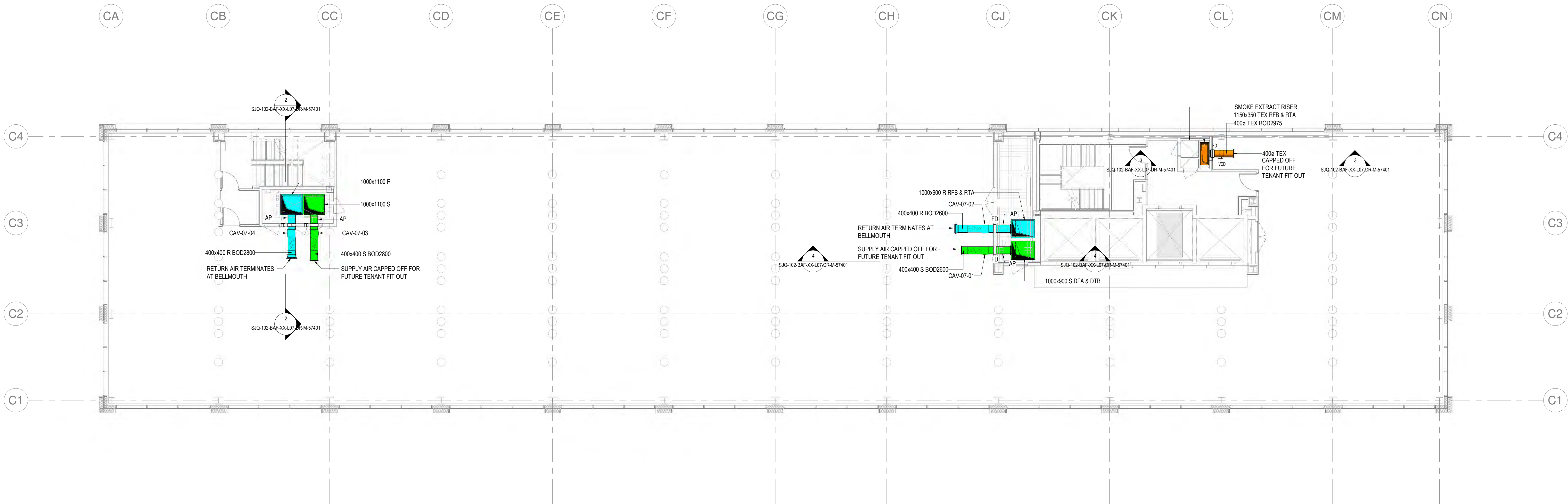
Suitability: A1 Drawing Status: CONSTRUCTION

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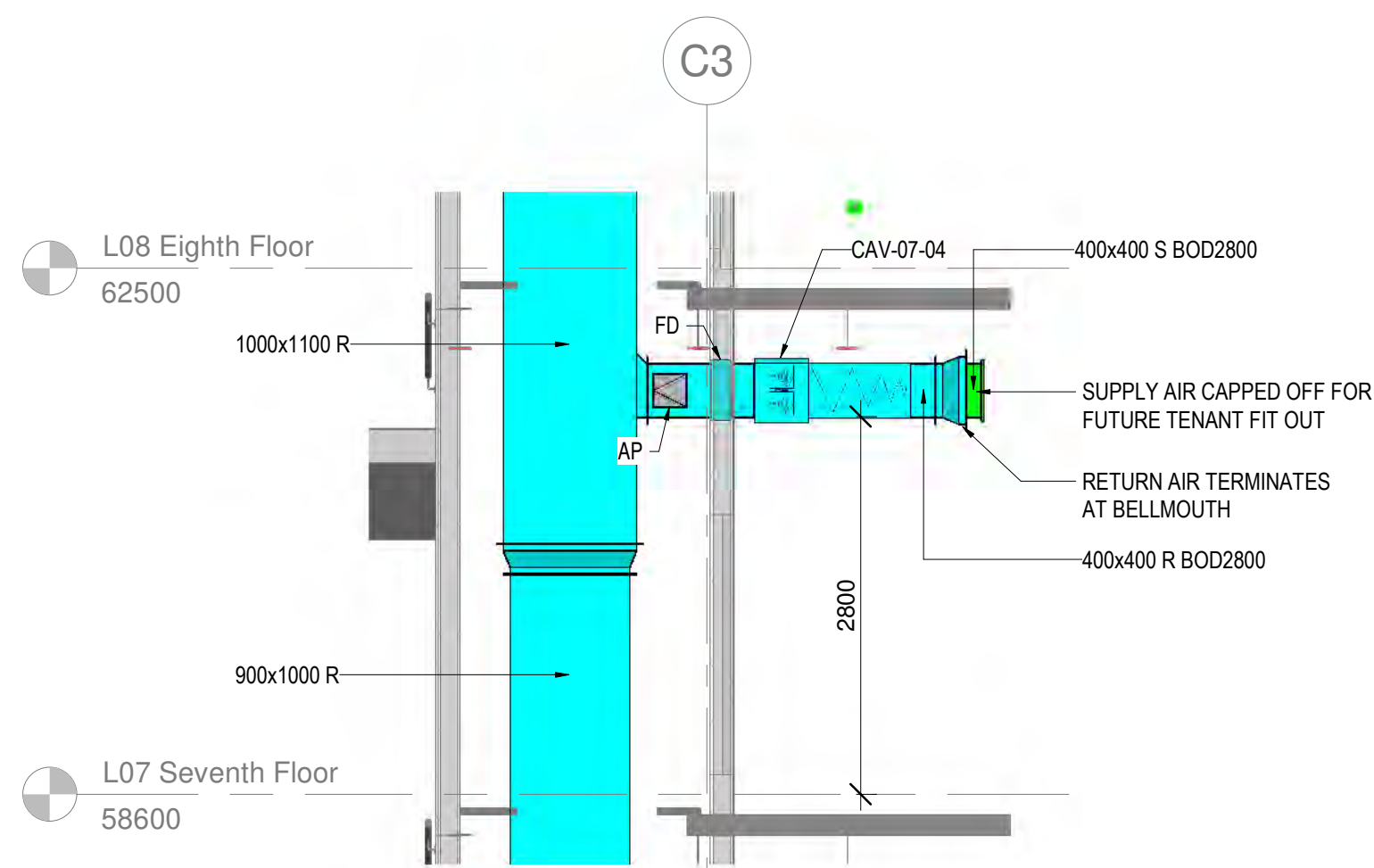


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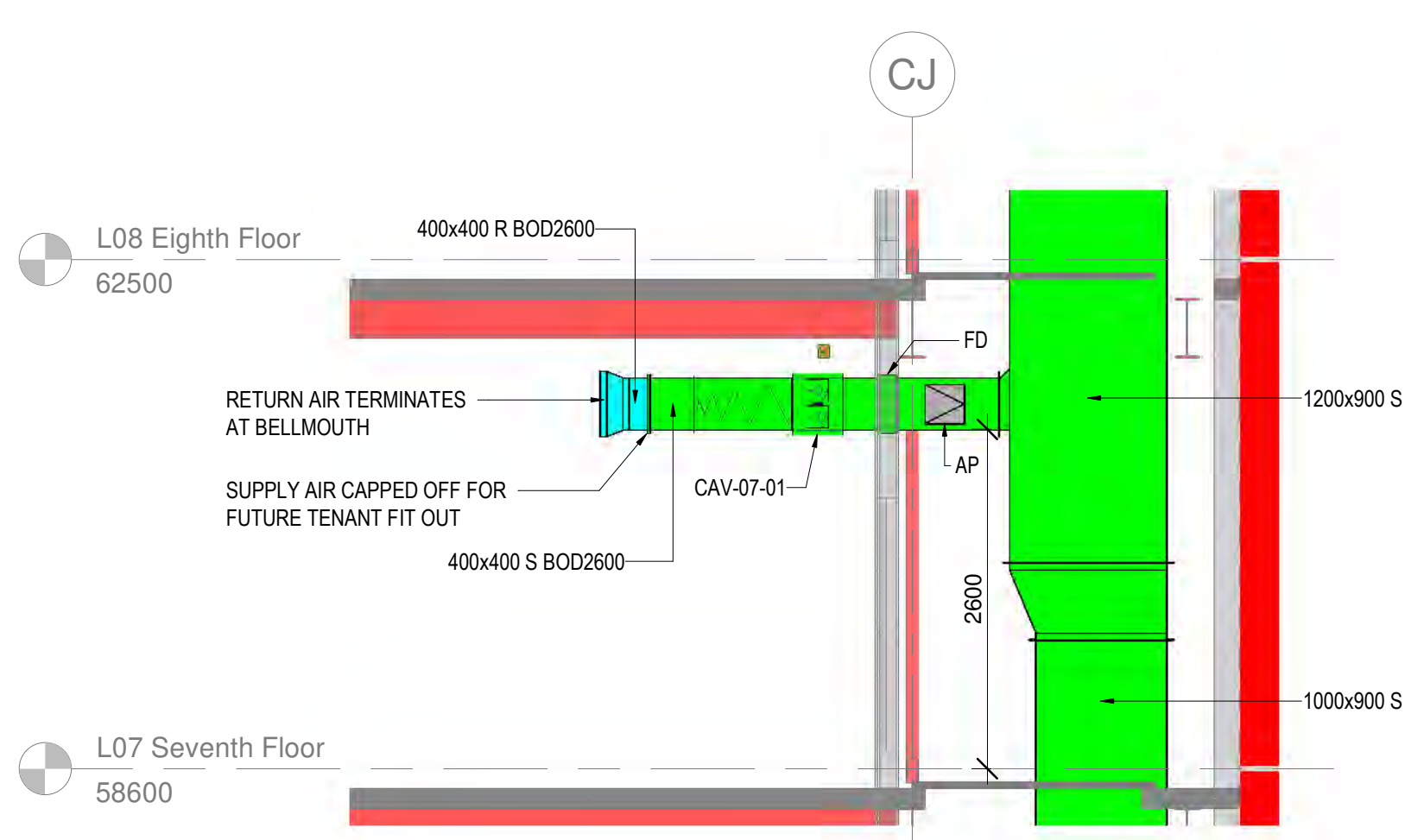
VC 666367



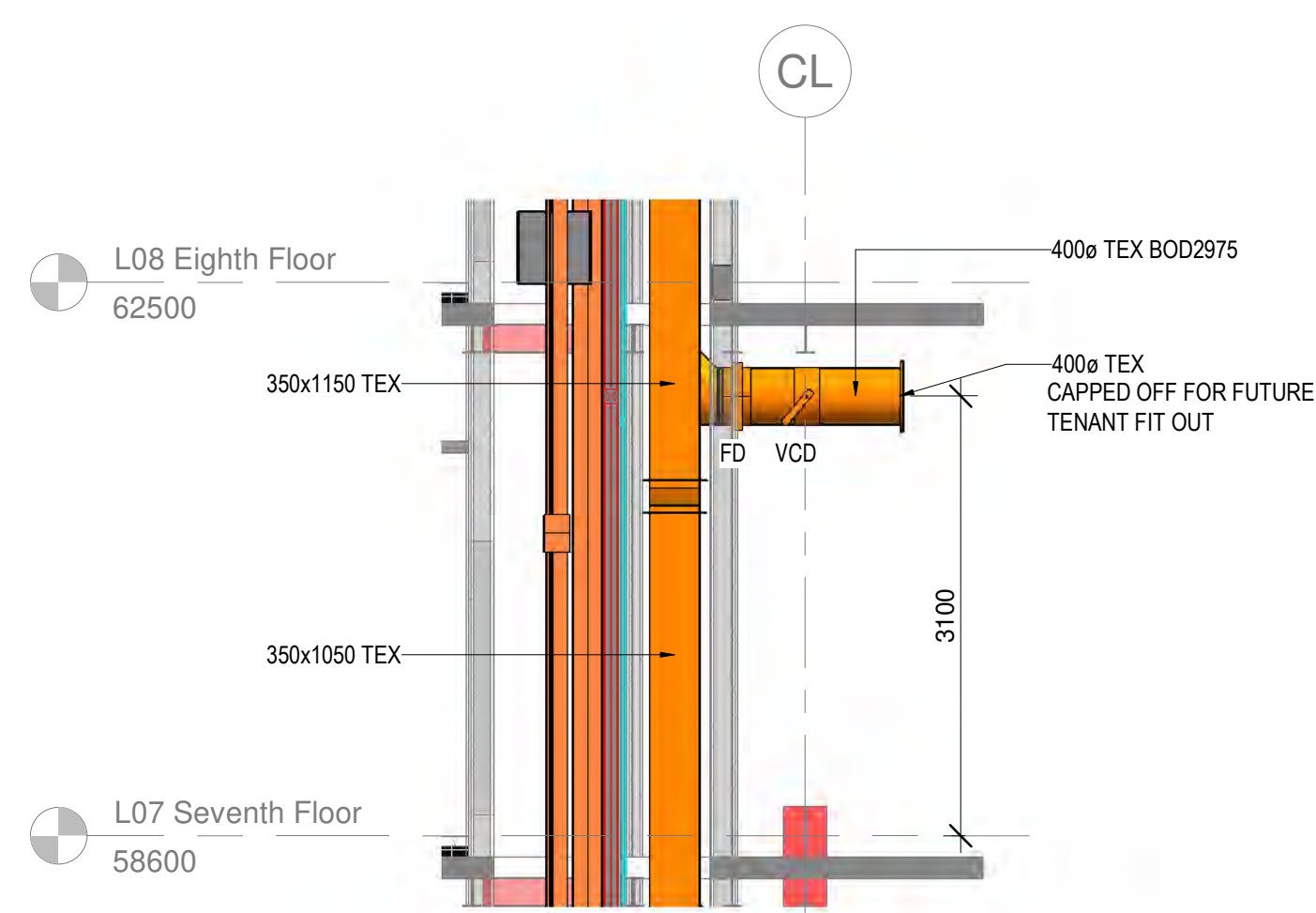
1 L07 Seventh Floor Ventilation Layout
1 : 100



2 Section 07-2
1 : 50



4 Section 07-3
1 : 50



3 Section 07-4
1 : 50