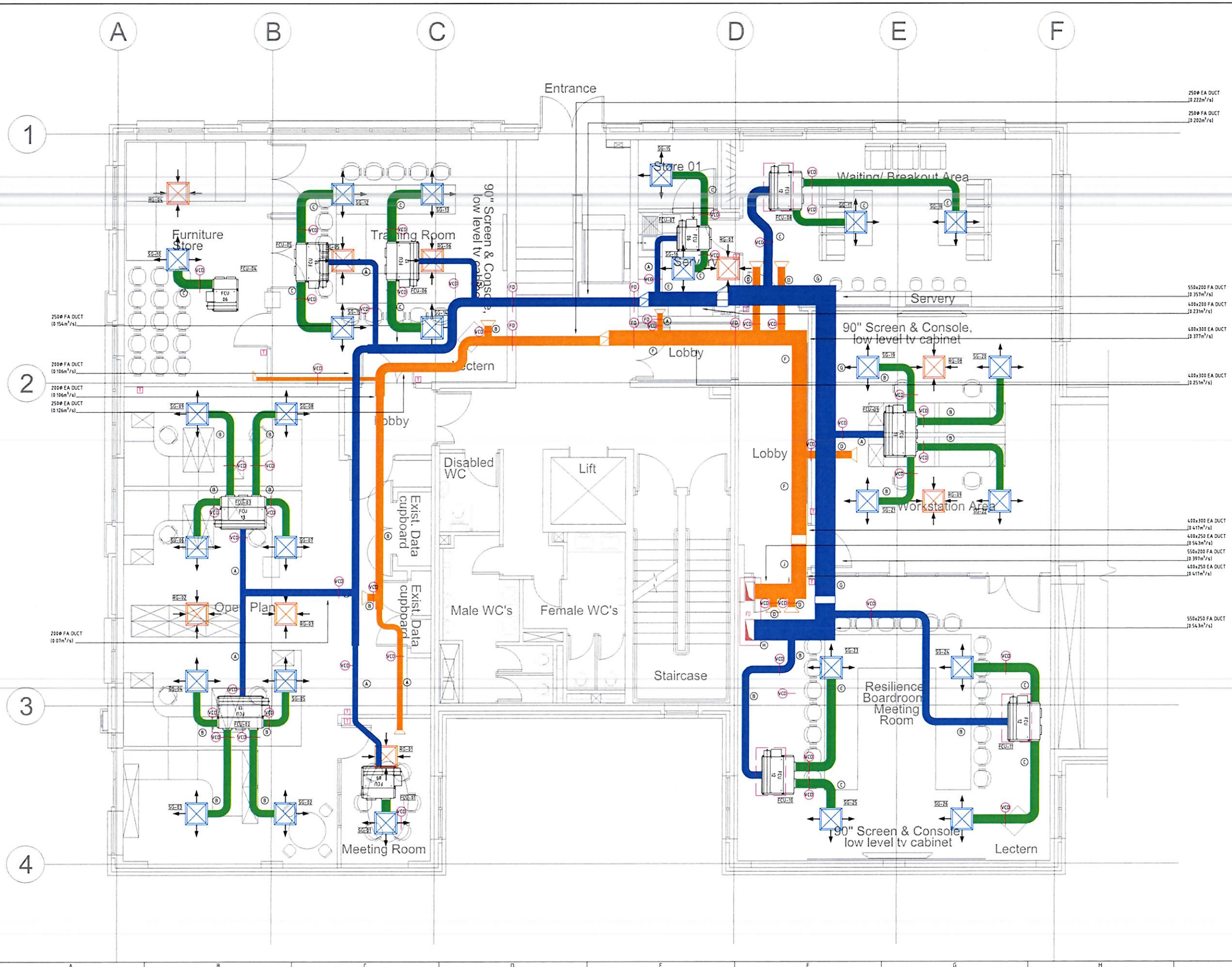


MECHANICAL SERVICES VENTILATION LEGEND & ABBREVIATIONS — M-57

	EXTRACT AIR (EA)
	FRESH AIR SUPPLY (FA)
	SECONDARY AIR SUPPLY
FD	FIRE DAMPER
VCD	VARIABLE CONTROL DAMPER
	600X600 DIFFUSER SUPPLY AIR GRILLE
	600X600 RETURN AIR GRILLE
T	TEMPERATURE STAT
	ACCESS HATCH
A	150Ø DUCT
B	200Ø DUCT
C	250Ø DUCT
D	200x100 DUCT
E	400x200 DUCT
F	400x300 DUCT
G	550x200 DUCT
H	550x250 DUCT
J	400x250 DUCT
CT	CONNECT TO
LL	LOW LEVEL
HL	HIGH LEVEL
TB / TA	TO BELOW / TO ABOVE
FA / FB	FROM ABOVE / FROM BELOW
FCU	FAN COIL UNIT
C/W	COMPLETE WITH
DT	DROP TO
RT	RISE TO

GENERAL NOTES

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS & SPECIFICATIONS
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED
3. THIS MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRODUCTION OF FABRICATION & INSTALLATION DRAWINGS. SHALL BE FAMILIAR WITH OTHER WORKS PACKAGES WHICH DIRECTLY INTERFACE WITH THEIR PACKAGE & COORDINATE WITH THE FABRICATION & INSTALLATION DRAWINGS ACCORDINGLY
4. THIS MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, SUPPLY & INSTALLATION OF SUPPORTS, BRACKETING SYSTEMS & SECONDARY STEELWORK SUPPORTS REQUIRED FOR THIS WORKS PACKAGE, UNLESS OTHERWISE STATED
5. SHOULD ANY DISCREPANCIES BE APPARENT IN THIS DRAWING, THE ENGINEER SHALL BE MADE AWARE OF THIS FOR FURTHER ACTION
6. CONTRACTOR TO MAKE THEMSELVES AWARE OF ANY EXISTING ASBESTOS MATERIAL REGISTERS THROUGHOUT THE WORKS
7. CONTRACTOR TO MAKE THEMSELVES AWARE OF THE PROPOSED FIRE COMPARTMENTS & CERTIFICATES. FIRE DAMPERS, WRAPS & ADEQUATE SEALING SHALL BE INSTALLED TO ALL SERVICE PENETRATIONS THROUGH FIRE RATED PARTITIONS & SLABS

VENTILATION NOTES

1. ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH HVCA DW144 DW171 & CIBSE RECOMMENDATIONS
2. ALL DW144 DUCTWORK INSULATION TO BE AS PER SPECIFICATION
3. ALL DISTRIBUTION DUCTWORK SHALL INCORPORATE THROUGHOUT IDENTIFICATION LABELS IN ACCORDANCE WITH DW144. AIR FLOW DIRECTION, COLOUR CODING & PLANT REFERENCES SHALL BE DETAILED WITH AN EXPLANATORY CHART
4. FIRE DAMPERS C/W MATCHING INSTALLATION FRAMES SHALL BE INSTALLED ON ALL DUCTWORK THAT PENETRATES WALLS OR FLOORS THAT FORM PART OF A FIRM COMPARMENT. THE FIRE DAMPER ASSEMBLY SHOULD HAVE A FIRE RESISTANCE RATING EQUAL TO THAT OF THE CONSTRUCTION ELEMENT IT PENETRATES. FOR FULL DETAILS ON FIRE REQUIREMENTS CONTRACTOR TO REFER TO ARCHITECT FIRE CERT DRAWINGS. DAMPERS TO BE INSTALLED ON ALL DUCTWORK WERE REQUIRED TO COMPLY WITH FIRE CERT DRAWING. CONTRACTOR TO REVIEW FIRE CERT DRAWINGS FOR FULL DETAILS
5. FOR SCHEDULES OF PLANT & EQUIPMENT PLEASE REFER TO THE SPECIFICATION
6. FOR PLANT & DUCTWORK CONNECTIONS REFER TO DETAIL SHEETS. ALL PRIMARY SECONDARY & FINAL DUCTWORK CONNECTIONS ON ALL SUPPLY & EXTRACT SYSTEM C/W VOLUME CONTROL DAMPERS
7. CONTRACTOR TO DESIGN, SUPPLY & INSTALL ADEQUATE & SUITABLE SUPPORT BRACKETS FOR PIPEWORK, PLANT & ANY SUSPENDED SERVICES
8. ALL AIR CONDITIONING UNITS TO BE HANDED TO SUIT ACCESS FOR MAINTENANCE

Rev	Description	Date	Chkd	Appd
T01	TENDER ISSUE	24-09-18	LK	SB

SITE ORIENTATION

CLIENT

ARCHITECTURAL PRACTICE

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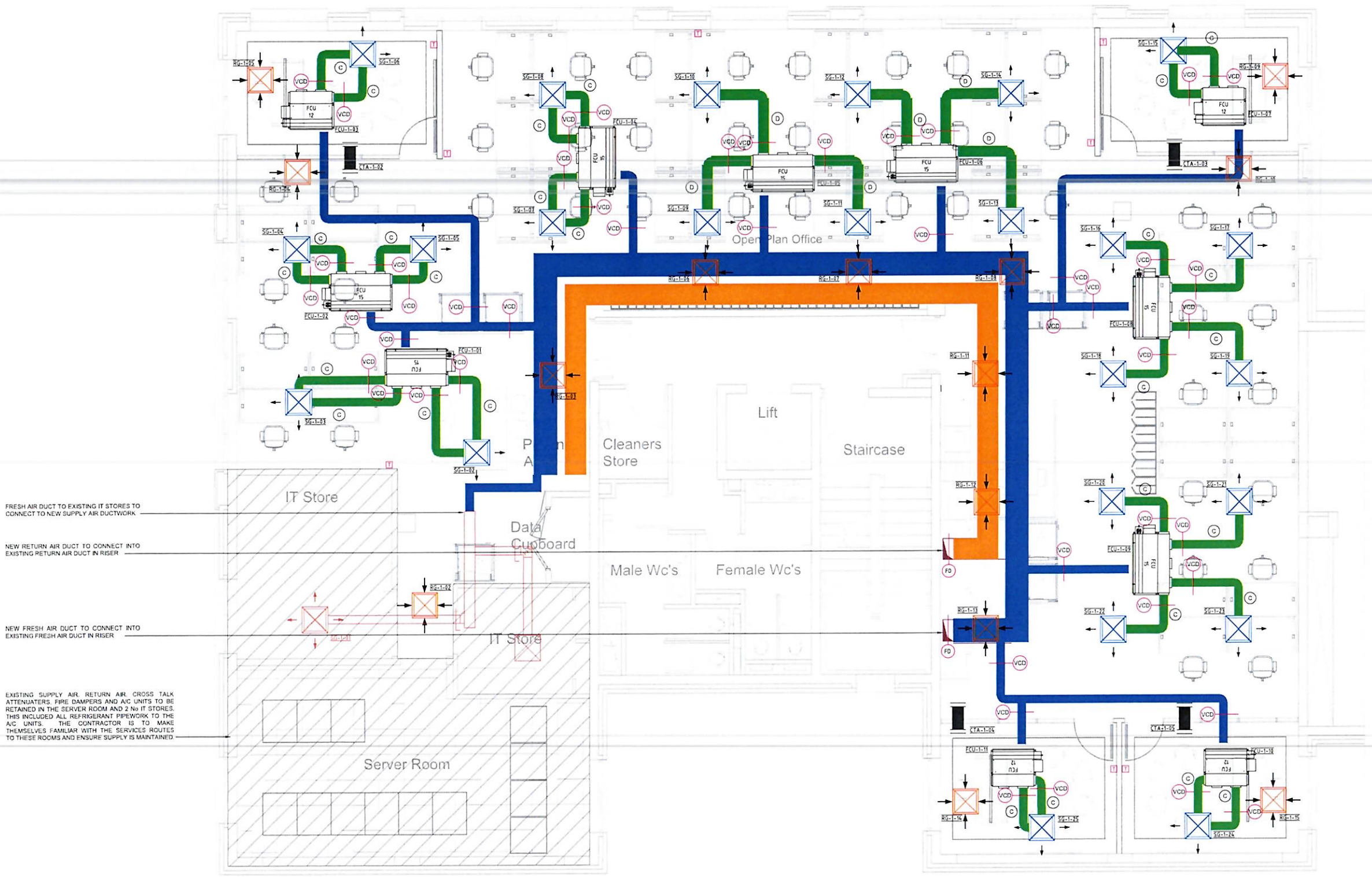
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Project: TII - PREVENTATIVE MAINTENANCE & OFFICE FIT OUT
PARKGATE BUSINESS CENTRE, PARKGATE ST, PHOENIX PARK, DUBLIN 8

Title: MECHANICAL SERVICES
VENTILATION & AIR-CONDITIONING SERVICES LAYOUT
BLOCK C - GROUND FLOOR LEVEL

Discipline: M

Scale	Drawn	Engineer	Project No.	Drawing No.	Rev.
1:50 @ A1	JD	LK	1821	1821-M-C-57-0-001	T01



First Floor Plan

MECHANICAL SERVICES VENTILATION M57

	RETURN AIR DUCT / INSULATED RETURN AIR
	SUPPLY AIR DUCT / INSULATED SUPPLY AIR
	EXTRACT AIR DUCT / INSULATED EXTRACT AIR
	FRESH AIR DUCT / INSULATED FRESH AIR
VCD	VOLUME CONTROL DAMPER
FD	FIRE DAMPER
	DIFFUSER SUPPLY AIR GRILLE REFER TO DETAIL F ON 2106-MB-ZZ-M-5900
	RETURN AIR GRILLE REFER TO DETAIL F ON 2106-MB-ZZ-M-5900
	FAN COIL UNIT
CTA	CROSS TALK ATTENUATOR
T	TEMPERATURE STAT
A	100mmØ DUCT
B	150mmØ DUCT
C	200mmØ DUCT
D	250mmØ DUCT
E	300mmØ DUCT
F	
G	
C/T	CONNECT TO

GENERAL NOTES

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS & SPECIFICATIONS
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED
3. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRODUCTION OF FABRICATION & INSTALLATION DRAWINGS. SHALL BE FAMILIAR WITH OTHER WORKS PACKAGES WHICH DIRECTLY INTERFACE WITH THEIR PACKAGE & COORDINATE WITH THE FABRICATION & INSTALLATION DRAWINGS ACCORDINGLY
4. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, SUPPLY & INSTALLATION OF SUPPORTS, BRACKETING SYSTEMS & SECONDARY STEELWORK SUPPORTS REQUIRED FOR THIS WORKS PACKAGE, UNLESS OTHERWISE STATED
5. SHOULD ANY DISCREPANCIES BE APPARENT IN THIS DRAWING THE ENGINEER SHALL BE MADE AWARE OF THIS FOR FURTHER ACTION
6. CONTRACTOR TO MAKE THEMSELVES AWARE OF PROPOSED FIRE COMPARTMENTS & CERTIFICATES. FIRE DAMPERS, WRAPS & ADEQUATE SEALING SHALL BE INSTALLED TO ALL SERVICE PENETRATIONS THROUGH FIRE RATED PARTITIONS & SLABS. (REFER TO FIRE CONSULTANT REPORT AND ARCHITECTURAL DRAWINGS)
7. COMMENTS MADE BY THE REVIEWER DO NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIMENSIONS, SITE CONDITIONS, COORDINATION WITH OTHER TRADES AND INFORMATION PERTAINING TO THE CONSTRUCTION PROCESS.
8. THE CONTRACTOR IS ADVISED TO VISIT THE SITE TO ASCERTAIN THE EXTENT OF THE EXISTING SYSTEMS AS LACK OF KNOWLEDGE WILL NOT BE ENTERTAINED AS A MEANS FOR ADDITIONAL COSTS.

VENTILATION NOTES

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2. ALL DW144 DUCTWORK INSULATION TO BE AS PER SPECIFICATION
3. ALL DISTRIBUTION DUCTWORK SHALL INCORPORATE IDENTIFICATION LABELS IN ACCORDANCE WITH DW144. AIR FLOW DIRECTION, COLOUR CODING & PLANT REFERENCES SHALL BE DETAILED WITH AN EXPLANATORY CHART
4. FIRE DAMPERS C/W MATCHING INSTALLATION FRAMES SHALL BE INSTALLED ON ALL DUCTWORK THAT PENETRATES WALLS OR FLOORS THAT FORM PART OF A FIRM COMPARMENT. THE FIRE DAMPER ASSEMBLY SHOULD HAVE A FIRE RESISTANCE RATING EQUAL TO THAT OF THE CONSTRUCTION ELEMENT IT PENETRATES. FOR FULL DETAILS ON FIRE REQUIREMENTS CONTRACTOR TO REFER TO ARCHITECT FIRE CERT DRAWINGS. DAMPERS TO BE INSTALLED ON ALL DUCTWORK WERE REQUIRED TO COMPLY WITH FIRE CERT DRAWING. CONTRACTOR TO REVIEW FIRE CERT DRAWINGS FOR FULL DETAILS
5. FOR SCHEDULES OF PLANT & EQUIPMENT PLEASE REFER TO THE SPECIFICATION
6. FOR PLANT & DUCTWORK CONNECTIONS REFER TO DETAIL SHEETS. ALL DUCTWORK CONNECTIONS ON ALL SUPPLY & EXTRACT SYSTEM SHALL INCLUDE OPPOSED BLADE TYPE VOLUME CONTROL DAMPERS
7. CONTRACTOR TO INSPECT CEILING VOID SPACE, ROOF & ASSOCIATED SUPPORTS AND MAKE ALLOWANCE TO FIT ALL DUCTWORK & ACCESSORIES INSTALLATIONS.

Rev	Description	Date	Chkd	Appd
P1	FOR REVIEW	2023/05/12	SM	SB

CLIENT

Bonneagar Iompair Eireann
Transport Infrastructure Ireland

ARCHITECTURAL PRACTICE

Bonneagar Iompair Eireann
Transport Infrastructure Ireland

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Project: TII HYBRID WORKING
PARKGATE BUSINESS CENTRE, DUBLIN 8

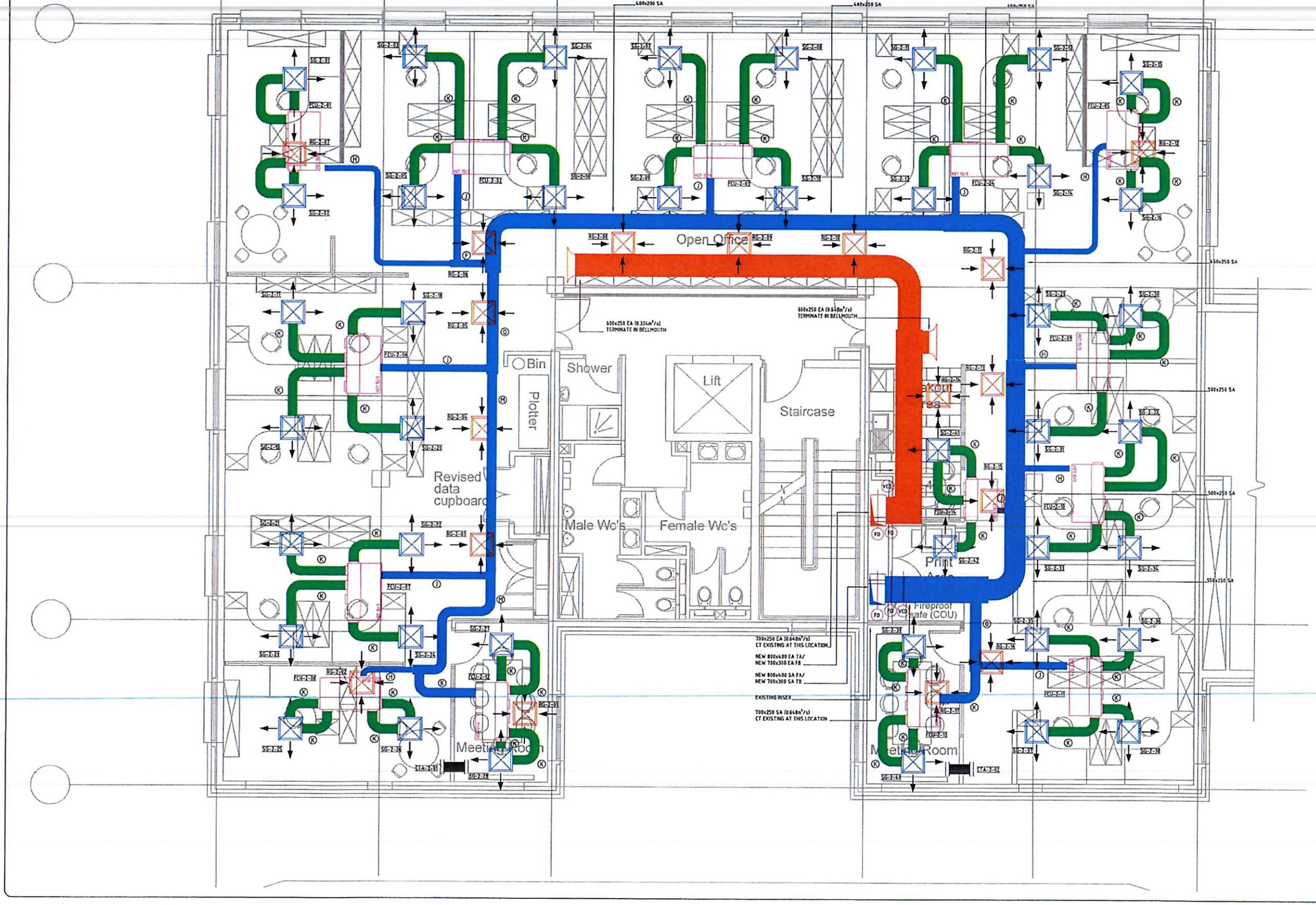
Title: MECHANICAL SERVICES
VENTILATION AND AIR CONDITIONING
FIRST FLOOR, PHOENIX BUILDING (BLOCK C)

Zone	Discipline
C	M
Level	Project code
01	TII

Scale	Drawn	Engineer	Project No.	Drawing No.	Element	Rev
1:50 @ A1	SM	SM	2308	2308-BCE-C-01-DR-M-571001	57	P1

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LEGEND

- SA SUPPLY AIR (PRIMARY)
- SA SUPPLY AIR (SECONDARY)
- EA EXTRACT AIR
- TE TOILET EXTRACT AIR
- EXISTING SERVICES BEING RETAINED
- EXISTING SERVICES NEW LOCATION
- PIPEWORK AT LOW LEVEL - EXPOSED
- PIPEWORK AT LOW LEVEL - CONCEALED
- PIPEWORK AT HIGH LEVEL - EXPOSED
- PIPEWORK AT HIGH LEVEL - CONCEALED
- FAN COIL UNIT
- NEW FIRE DAMPER
- NEW VOLUME CONTROL DAMPER
- EXTRACT AIR GRILLE
- SUPPLY AIR GRILLE
- CTA CROSS TALK ATTENUATOR

(A)	100x100mm DUCT	(K)	250mmø DUCT
(B)	150x100mm DUCT	(L)	300mmø DUCT
(C)	150x150mm DUCT	(M)	250x200mm DUCT
(D)	200x100mm DUCT	(N)	300x100mm DUCT
(E)	200x150mm DUCT	(O)	300x200mm DUCT
(F)	200x200mm DUCT	(P)	300x250mm DUCT
(G)	100mmø DUCT	(Q)	250x250mm DUCT
(H)	150mmø DUCT	(R)	300x300mm DUCT
(J)	200mmø DUCT	(S)	350x100mm DUCT

GENERAL NOTES.

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   VOLUME CONTROL DAMPERS, FANS, FIRE DAMPERS, HEATING/COOLING COILS, FILTER SECTIONS, ETC.
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Revision	Date	Details	Drn	Chkd	Appd
T	15-03-16	ISSUED FOR TENDER	RM	RM	SB

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E info@murphybelton.ie

PROJECT
TII
BLOCK C REFURBISHMENT

TITLE
VENTILATION INSTALLATION
SECOND FLOOR

DATE	DESIGNED BY	PROJECT MANAGER	LEVEL
NOV. '15	RM	SB	SECOND
DRAWN BY	CHECKED BY	SCALE	
RM	RM	1:50	

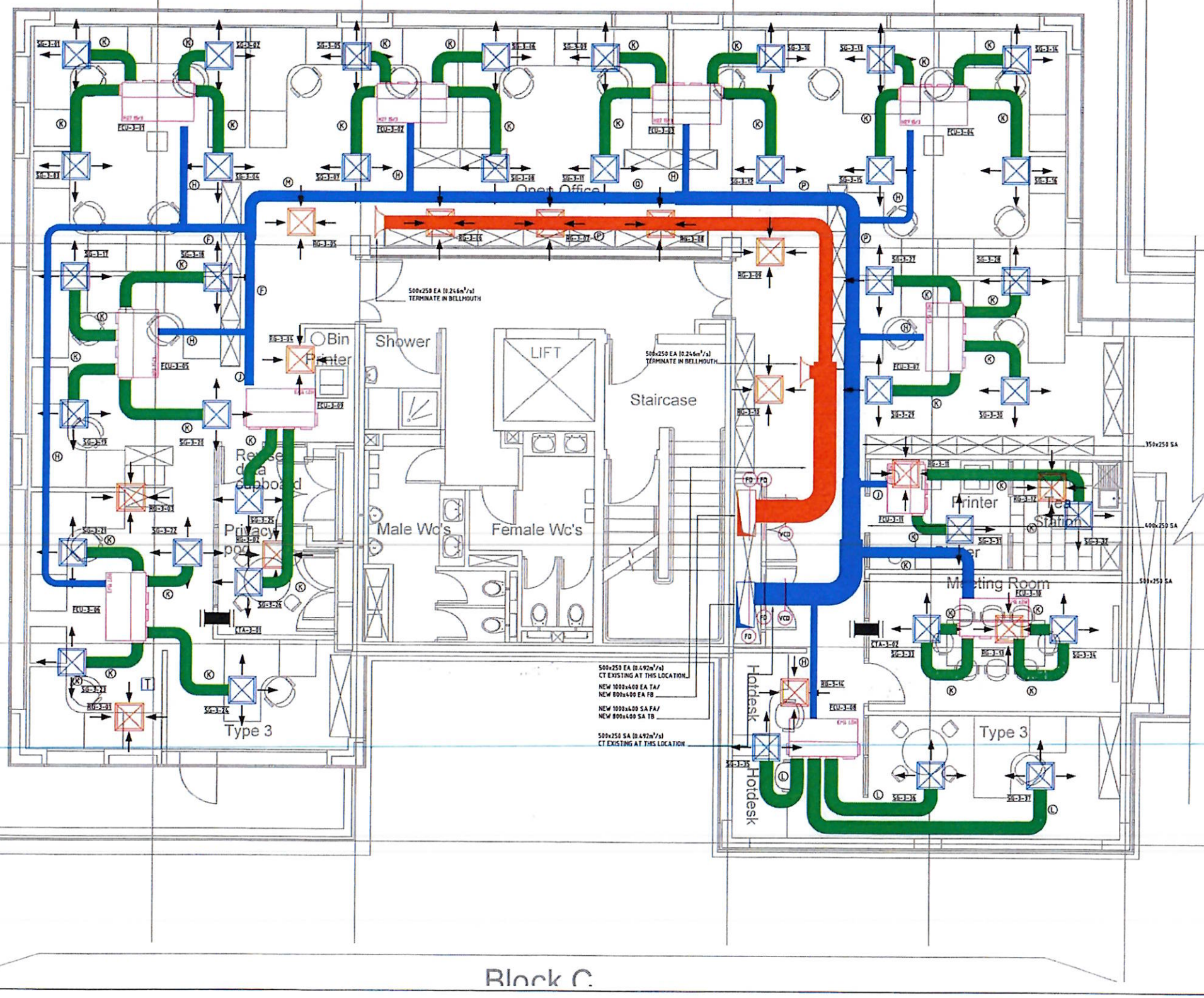
DRG No. 1539-C-M-2-300 DRG REV. T

STATUS TENDER

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LEGEND

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Revision	Date	Details	Drn	Chkd	Appd
T	15-03-16	ISSUED FOR TENDER	RM	RM	SB

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PROJECT
TII
BLOCK C REFURBISHMENT

TITLE
VENTILATION INSTALLATION
THIRD FLOOR

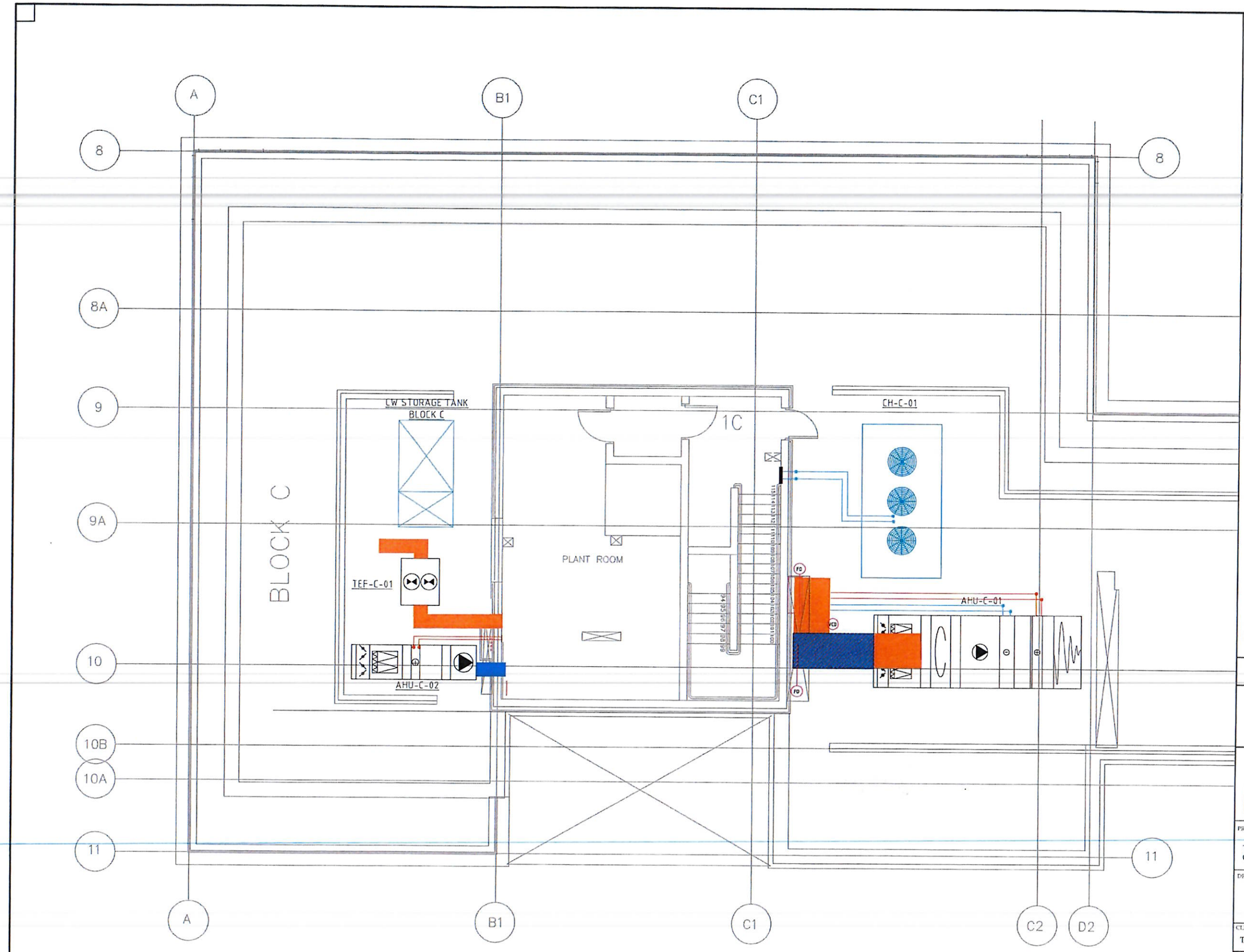
DATE	DESIGNED BY	PROJECT MANAGER	LEVEL
NOV. '15	RM	SB	THIRD
DRN BY	CHECKED BY	SCALE	
RM	RM	1:50	

DRG No. 1539-C-M-3-300 DRG REV. T

STATUS TENDER

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Block C



NOTES :

LEGEND

EXISTING RAISED SUPPORTS

PROPOSED RSJ SUPPORT

EXISTING CHILLER AND AHU BASE

ACCESS

EXTRACT AIR (EA)

FRESH AIR SUPPLY (FA)

EXISTING FA/EA RISER

ROOF SURFACE

McKeon Group

PROJECT:

TII-PREVENTATIVE MAINTENANCE & OFFICE FIT OUT

DRAWING TITLE:

BLOCK C ROOF PLANT LAYOUT AS BUILT

CLIENT:

TRANSPORT INFRASTRUCTURE IRELAND

SCALE:	DRAWN BY:	JOB NO:	DWG. NO:	REV:
1:50@A1	L.NOLAN	M111310	3.037	00
DATE: 05-06-19	CHECKED BY: J.WHEATLEY			

APPROVAL☐ INFORMATION■ TENDER☐ CONTRACT☐ CONSTRUCTION☐

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