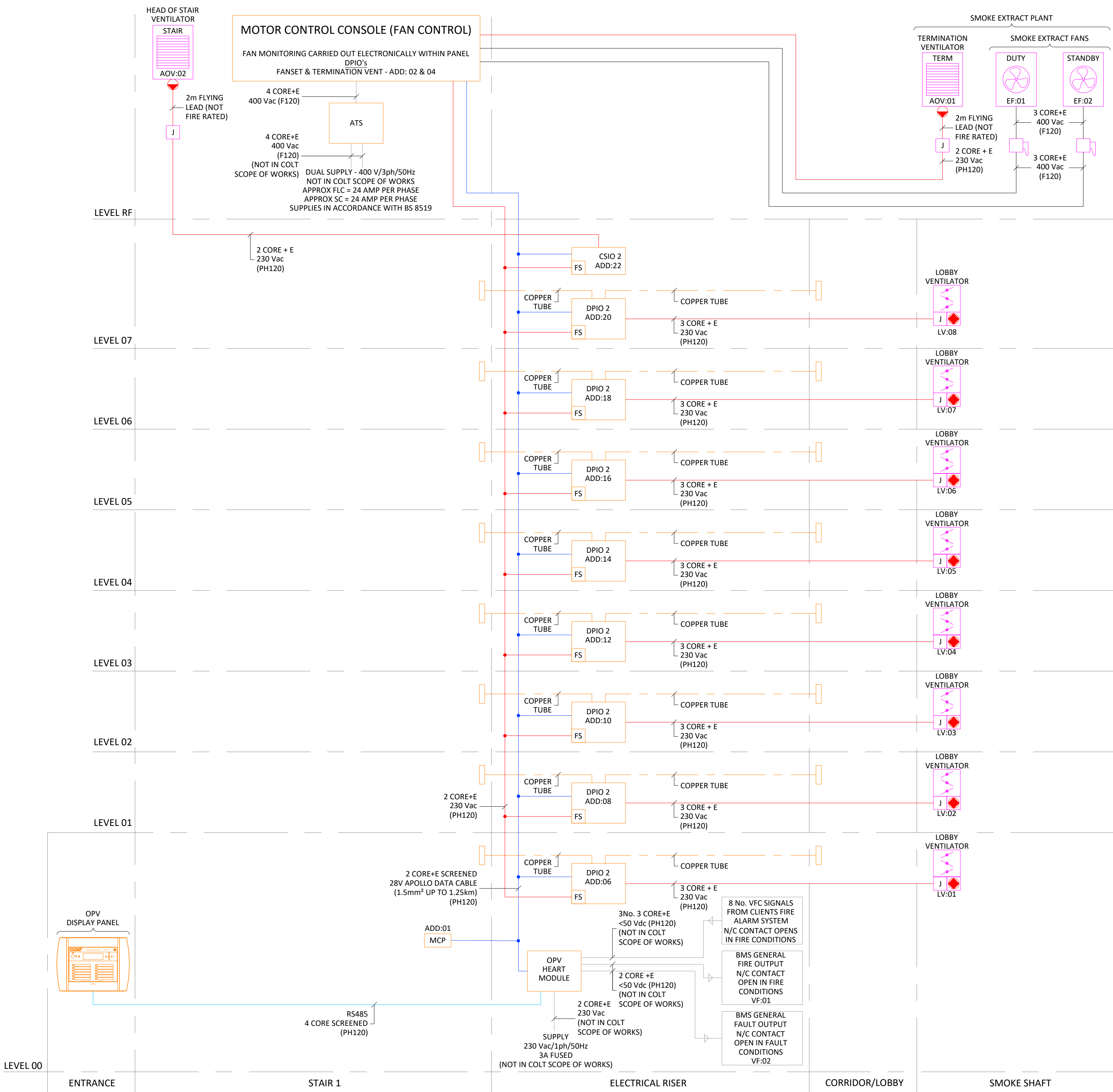


MCC Build Specification	
Control Panel Specification	Colt Standard
Control Panel Form	2a
Application	Smoke Control
Firemans Override	Not Required
Fire System Test/Reset	OPV
Standby Fan Test	OPV
Panel Material	Steel
Colour	RAL7035
Location	Internal
Cable Entry	Top
OPV Communication Network	Apoll o/DPIO
BMS (HU) Protocol	N/A
ATS Supplied	By Colt
ATS Location	Internal
Estimated ATS Rating (Amp)	40
ATS Bypass Type	Single Bypass
Brake Resistor	N/A
Fan Cascade	N/A
Estimated Panel Size (mm)	800W x 1200H x 300D

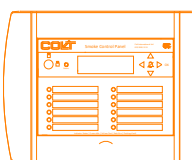
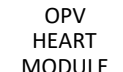
NOTE:

Fan Data Table									
Fan Ref No	Description	Type	By Pass	Operation	Voltage	Power (KW)	FLC (A)	Start (A)	Speed (RPM)
EF01	Duty_Extract	VSD	ESM_MODE	N/A	400	6.6	12.24	12.24	2880
EF02	Standby_Extract	VSD	ESM_MODE	N/A	400	6.6	12.24	12.24	2880

NOTE:
SOME SECONDARY CONTAINMENT BY COLT, ALL OTHER
CONTAINMENT NOT IN COLT SCOPE OF WORKS.



SYSTEM EQUIPMENT

- | | | | |
|----|---|--|--|
| | | ELECTRICAL INSTALLATION IS CARRIED OUT TO :
COLT TECHNICAL SPECIFICATION 1947. | |
| 2 |  | JUNCTION BOX. | |
| 3 |  | LOCAL FAN ISOLATOR, MUST BE PADLOCKED IN THE 'ON' POSITION ONCE THE SYSTEM HAS BEEN COMMISSIONED. | |
| 4 |  | MANUAL CONTROL POINT.
MOUNTED 1400mm +/- 200mm FROM FFL | |
| 5 |  | OPV DISPLAY PANEL.
MOUNTED 1400mm +/- 200mm FROM FFL | |
| 6 |  | OPV HEART MODULE.
MOUNTED WITHIN ELECTRICAL RISER @ MAXIMUM 1800mm FROM FFL | |
| 7 |  | CSIO 2
ADD:??
COLT STANDARD INPUT/OUTPUT UNIT (AC/DC)
3 AMP MAX LOAD PER RELAY. MOUNTED WITHIN ELECTRICAL RISER @ MAXIMUM 1800mm FROM FFL | |
| 8 |  | DPIO 2
ADD:??
AC/DC INPUT/OUTPUT UNIT AND PRESSURE SENSOR
3 AMP MAX LOAD PER RELAY. MOUNTED WITHIN ELECTRICAL RISER @ MAXIMUM 1800mm FROM FFL | |
| 9 |  | HIGH/LOW PRESSURE SENSOR COVER CAP. | |
| 11 |  | SMOKE EXTRACT AXIAL FAN. CLASS F300 IN ACCORDANCE WITH BS EN 12101-3:2002. FAN DETAILS ARE PROJECT SPECIFIC. | |
| 12 |  | (EN) SEEFIRE VENTILATOR
230 Vac, 0.15 AMP PER MOTOR.
SPRING OPEN/POWER CLOSE, FAILSAFE OPEN. | |
| 13 |  | DEFENDER SMOKE CONTROL DAMPER.
230 Vac, 0.03 AMP MOTOR.
POWER OPEN/POWER CLOSE, FAILSAFE CURRENT POSITION, WITH MICRO SWITCHES FOR POSITION MONITORING.
COMPLIANT WITH BS EN 12101-8. | |
| 14 | | APOLLO DATA CABLE CONNECTIONS ARE SHOWN FOR COMPLETENESS ONLY. EQUIPMENT ON DATA CABLE MAY BE CONNECTED IN ANY SEQUENCE, DAISY CHAINED ONLY CABLES SPECIFIED TO:
PH120 - BS EN 50200
F120 - BS 7846-2009 | |
| 15 | | ALL ELECTRICAL WIRING IS BY COLT, UNLESS OTHERWISE SPECIFIED. | |
| 16 | | CONTROL PANEL TO BE BUILT TO COLT TECHNICAL SPECIFICATION 1946. | |
| 17 | | | |



KEY PLAN

[illegible]

FOR THE AVOIDANCE OF DOUBT,
ALL INCLUSIONS AND EXCLUSIONS ARE AS
DETAILED IN THE COLT SPECIFICATION & ESTIMATE

C01	PPH	FM/JS	14.08.25	ISSUED FOR CONSTRUCTION
P01	ACM	GW/JS/SA	24.01.25	PRELIMINARY ISSUE
Rev	Dm	Ck'd	Date	Description

Scale
AS INDICATED @

Original Size
A1

Status

A5 - FOR AUTHORISATION AS STAGE COMPLETE

Client

Project
ETIHAD

Title

COMMERCIAL - SMOKE EXTRACT SYSTEM
ELECTRICAL SCHEMATIC AND CAUSE & EFFECT
STAIR 1

Drawing No.	Revision
NSE-SEE-CM-ZZ-DR-M-102001	C01

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COLT REF: ANAC87