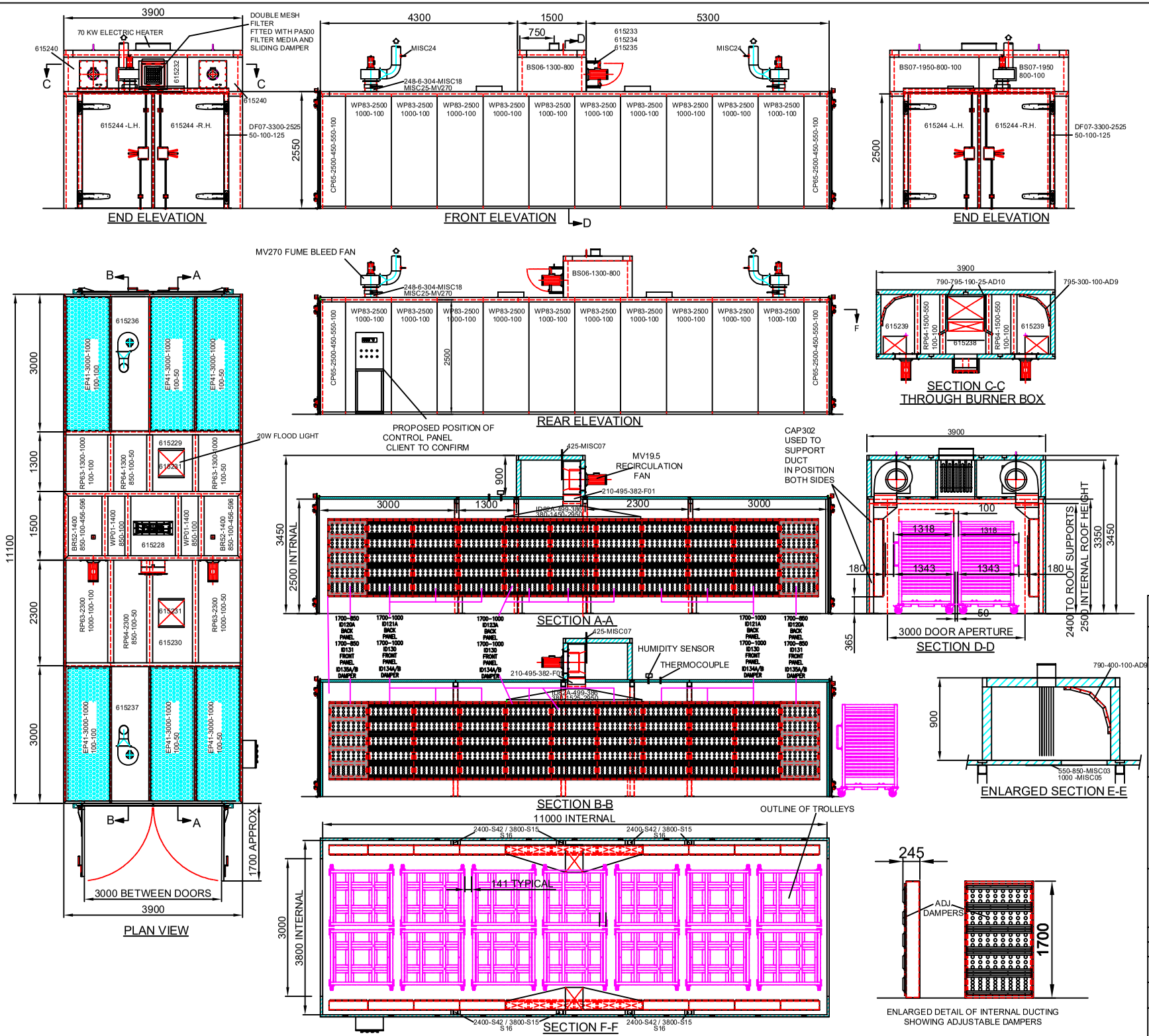

SOP72502 - PLANT MATERIALS LTD

PLANT SPECIFICATIONS

BOX OVEN SPECIFICATION

INTERNAL USABLE DIMENSIONS : 11.0M LONG X 3.0M WIDE X 2.4M HIGH
RECIRC FAN SELECTION : 2 OFF - PF8000/5.5 MV19.5
FUME FAN SELECTION : 2 OFF - FF1500/1.1 270MV
ELEMENT SELECTION : 1 OFF 70KW 415V K COUPLE 2 STAGE
OVEN INTERNAL MATERIAL : GALV
OVEN EXTERIOR MATERIAL : GALV
WALL : 50MM THICK INSULATED (BURNER BOX WALLS AND ROOF100MM THICK)
INSULATION SELECTION : RW5 50mm AND 100MM

ALL STRUCTURAL STEEL PAINTED HIGH TEMP BLACK.
TEMPERATURE RANGE : 30 °C TO 80 °C

PLANT SERVICES REQUIREMENTS
(SERVICES NOT BE RDM)

ELECTRIC REQUIREMENTS

145AMP FLC PER EACH PHASE. 3 PHASE AND N ELECTRICAL SUPPLY REQUIRED TO THE PLANT CONTROL PANEL . CONNECTION OF CABLE INTO CONTROL PANEL TO BE BY CUSTOMER.

DUCTING REQUIREMENTS

HOLE TO BE CUT IN EITHER THE ROOF OR WALL OF FACTORY BY RDM TO SUIT 200MM DIA BOX OVEN FUME BLEED DUCT.

ISSUE	REVISION	DATE	SIGN
C	DUCT SIZE REDUCED AND POSITION CHANGED TO SUIT CUSTOMERS TROLLEY RACK	23.06.23	C.F
B	WIDTH INCREASED BY 200mm 2 - 20 Kw LIGHTS ADDED DOUBLE MESH FILTER ADDED	16.06.23	AMJ
A	INTERNAL HT INCREASED.TROLLEY DESIGN AMENDED. HUMIDITY SENSOR AND THERMOCOUPLE ADDED. DETAIL OF DAMPERS SHOWN	09.06.23	AMJ

TITLE

ELECTRIC BOX OVEN FOR PLANT MATERIALS LTD

RDM ENGINEERING
STAKEHILL LANE
MIDDLETON
MANCHESTER
M24 2RY

TEL: 0161 643 9333
FAX: 0161 655 3467
www.rdmengingeering.co.uk

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RDM INDUSTRIAL SERVICES LTD

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DRAWN AMJ	DATE 24.05.23
CHECKED	DATE
SCALE 1 : 33.33 A1 DRG SHEET	FIRST ANGLE PROJECTION
IF IN DOUBT ASK DO NOT SCALE	ALL DIMENSIONS IN MILLIMETRES
ORDER 72502	DRG No 36482 C