

PLANT SPECIFICATION

POWDER BOOTH :-

INTERNAL LENGTH: 3.0M. SILHOUETTE DIMENSIONS: 0.3M WIDE X 1.6M HIGH.
CYCLONE SELECTION: MODEL 750 UNPOWERED 4000CFM. AFTERFILTER SELECTION : MODEL 750 11kW 4000CFM. MATERIAL: ZINTEC POWDER COATED WHITE.

TUNNEL OVEN :-

INTERNAL TRACK LENGTH : 12.6M.
SILHOUETTE DIMENSIONS : 0.3M WIDE X 1.6M HIGH. GAS BURNER SELECTION: 1 X FD10 EN3 350kW. RECIRC FAN SELECTION: 1 X PE8000/5 5 NO 19 5 AIR SEAL FAN SELECTION : 2 X PF2600/1.5 NO.12

CONEVEYOR:-

CONVEYOR SELECTION : 152. PENDANT PITCH : 152mm. PENDANT CAPACITY : 13KG EACH. TRACK SPEED : ADJUSTABLE FROM 0.2-0.9M/MINUTE (0.6M/MINUTE NOMINALLY).

POWDER COATING APPLICATOR:-

MODEL SELECTED: 2 X WAGNER AIRFLUID BOX FEEDS.

OVEN SERVICE REQUIREMENTS

GAS CONNECTIONS :-

350kW/HR AT 20MB RUNNING PRESSURE NATURAL GAS SUPPLY REQUIRED TO OVEN BURNER - SUPPLY TO BURNER BY CUSTOMER.

ELECTRIC CONNECTIONS:-

40amp FULL LOAD CURRENT 3PH & N ELECTRIC SUPPLY REQUIRED TO POWDER COATING PLANT CONTROL PANEL - SUPPLY INTO PANEL

13A 240V 1PH SOCKET REQUIRED TO EACH WAGNER POWDER APPLICATOR

COMPRESSED AIR CONNECTIONS :-

AIR SUPPLY REQUIRED TO EACH WAGNER POWDER APPLICATOR UNIT -SUPPLY SIZE TBC.
AIR SUPPLY REQUIRED TO CONVEYOR LUBRICATOR UNIT

- SUPPLY SIZE TBC.

DUCTING REQURIEMENTS:-

HOLE TO BE CUT IN ROOF OF FACTORY BY CUSTOMER TO SUIT 2 X 250mm DIA AIR SEAL FUME BLEED DUCTS FROM CURING OVEN. RDM TO ERECT DUCT. CUSTOMER TO THEN SEAL DUCT TO ROOF.

В	CONVEYOR LAYOUT AMENDED	20/01/14	M.J.N
Α	PLANT LAYOUT GENERALLY UPDATED	19/12/13	ELB
ISSUE	REVISION	DATE	SIGN

PROPOSED PLAN AND ELEVATIONS OF **NEW RDM COVEYORISED POWDER** COATING PLANT FOR PANEL UK LTD



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DRAWN E.L.Buck		DATE 10/8/13			
CH'K'D		DATE			
SCALE 1: NTS A1 SHEET		FIRST ANGLE PROJECTION			
IF IN DOUBT ASK DO NOT SCALE		ALL DIMENSIONS IN MILLIMETRES			
ORDER	DRG No)			