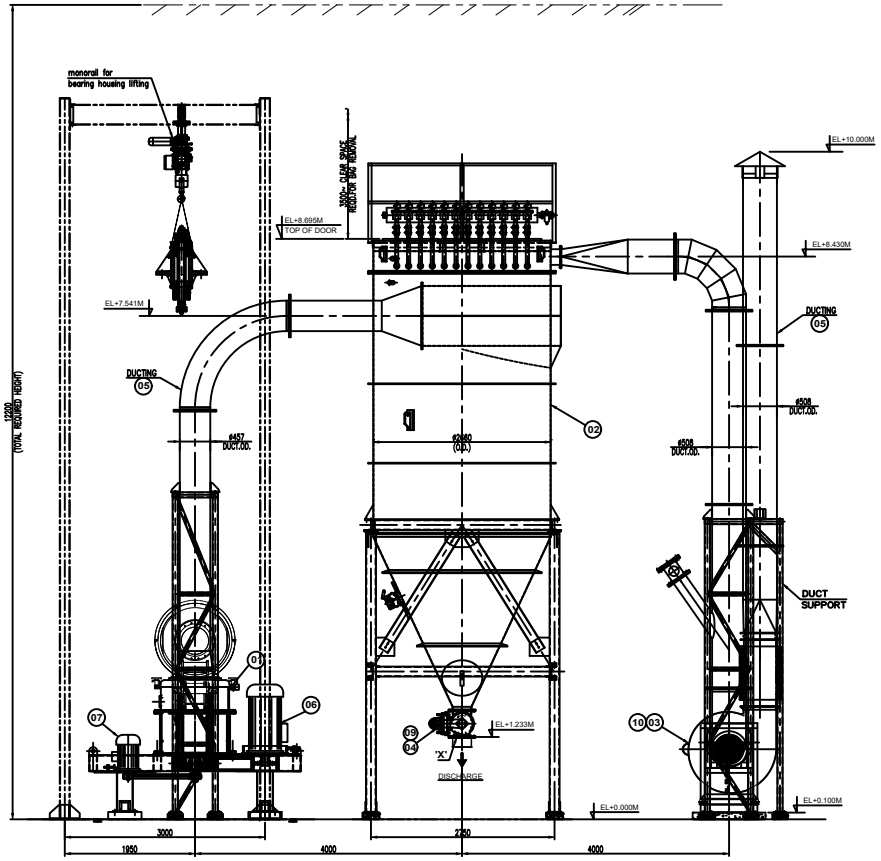
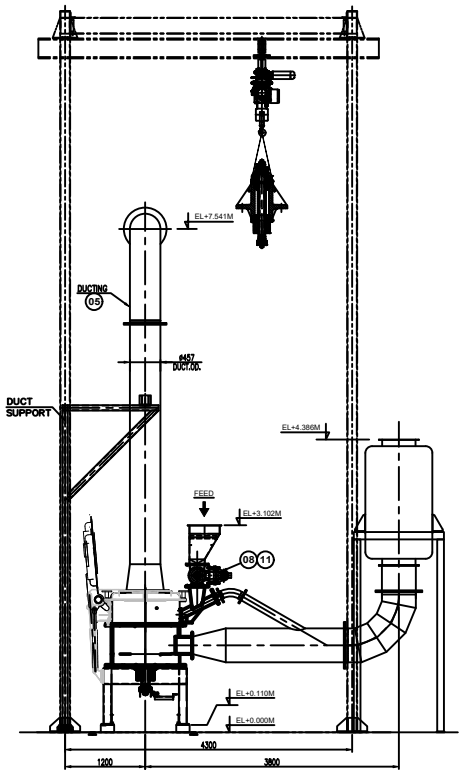
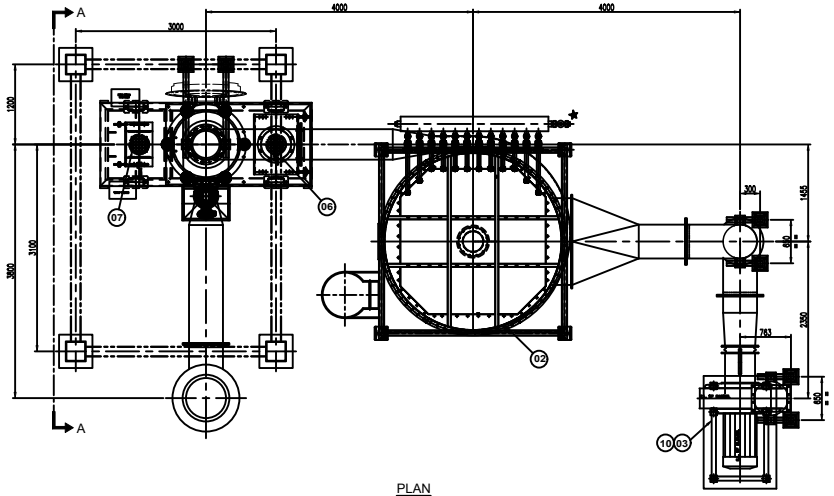


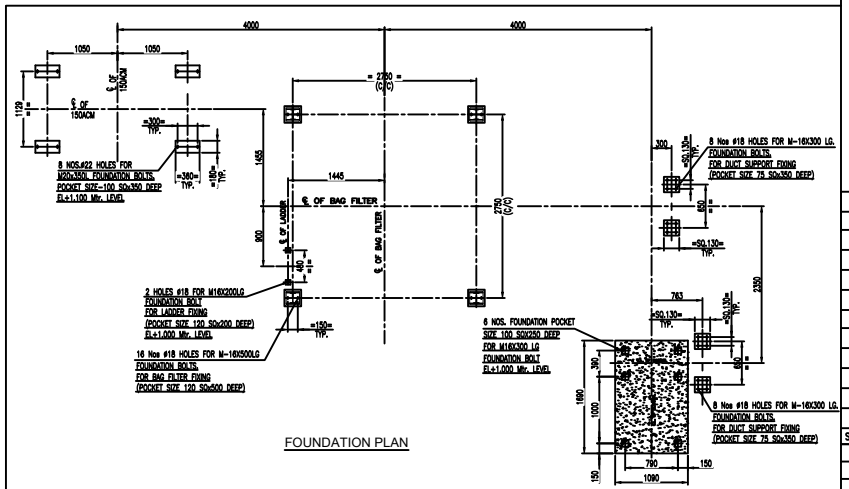
ELEVATION



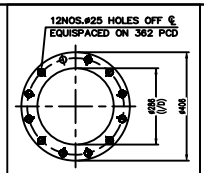
SECTION A-A



PLAN



FOUNDATION PLAN



DETAIL-X
RAL DISCHARGE FLANGE AL-250

DESIGN DATA

MATERIAL	:-	CARBON BLACK RCB
FEED SIZE	:-	100 MICRONS
CAPACITY	:-	450 - 550 kg/hr
BULK DENSITY	:-	1100-2200 kg/m^3
FINAL PRODUCT SIZE	:-	90% PASSING 8 MICRON

LOAD DATA

EQUIPMENT	LOAD kg STATIC	LOAD kg DYNAMIC
150 ACM	4500	11250
BAG FILTER+RAL	4000	4200
FAN	1600	2100

OPTION-3

NOTES :-

ALL DIMENSIONS ARE IN MM UNLESS NOTED.
DO NOT SCALE THE DRAWING.
IF IN DOUBT ASK
ALL DUCTING TO BE SUPPORTED BY CLIENT SUITABLY AT SITE.
ALL MOTORS ARE SUITABLE FOR 3ø 415V ±10%,50Hz ±5%,AC SUPPLY.
COMPRESSED AIR REQD. 40 Nm^3/Hr CLEAN,DRY & OIL FREE. COMPRESSED TO 6 TO 8 kg/cm^2 g TO BE ARRANGED BY CLIENT.
CONTROL PANEL CAN BE KEPT ANY WHERE AS PER SPACE AVAILABLE BUT NEAR MILL.
MOTOR SUPPLY:-3ø,415V±10%,50Hz ±5%.
PAINT SPEC.:- COAT 01:- EPOXY GREY EP8214 PRIMER W HARDENER COAT 02:- PU WHITE RAL9003 GL W HARDENER EPOXY PAINT TO BE USED WITH EPOXY THINNER. PU PAINT TO USED WITH PU THINNER.
GASKET - WHITE NEOPRENE RUBBER FOOD GRADE
MILL BASE FRAME TO BE BOLTED

SR.No	PART No.	QTY	DESCRIPTION	MOC	SIZE	REMARK
12		1	CONTROL PANEL	STD	-	NOT SHOWN
11		1	RAL (FEED)	CI/MS	AL-200	
10		1	MOTOR FOR FAN	STD	120 HP	
9		1	GEARED MOTOR FOR RAL	STD	1 HP	
8		1	GEARED MOTOR FOR RAL	STD	0.5 HP	
7		1	CLASSIFIER MOTOR	MS	20 HP	
6		1	MAIN MOTOR	STD	150 HP	
5		1	DUCTING	MS	-	
4		1	RAL BELOW BAG FILTER	CI/MS	AL-250	
3		1	FAN	MS	-	
2		1	BAG FILTER TRL	MS	132W-12 CYL TRL	
1		1	MILL WITH SILENCER	CI/MS	150 ACM	

CLIENT	-
CONSULTANT	-
RIECO'S S.O.No.	-
CLIENT'S P.O.No.	-

REV	ZONE	DATE	DESCRIPTION	DRAWN	CHECK

UNSPECIFIED DEVIATIONS UNLESS OTHERWISE

RANGE (mm)	MACHINING	FABRICATION
0-6	±0.05	±0.1
6-30	±0.05	±0.1
30-120	±0.1	±0.2
120-315	±0.15	±0.3
315-1000	±0.2	±0.5
1000-2000	±0.3	±0.8
2000-4000	±0.5	±1.2
4000-8000	±0.8	±2.0

ROUGHNESS GRADE NO. | N1 | N2 | N3 | N4 | N5 | N6 | N7 | N8 | N9 | N10 | N11 | N12

ROUGHNESS VALUE(Ra µm) | 0.025 | 0.05 | 0.1 | 0.2 | 0.4 | 0.8 | 1.6 | 3.2 | 6.3 | 12.5 | 25 | 50

ROUGHNESS SYMBOL

ALL DIMENSION ARE IN MM. DEBUR CORNERS 0.3MM UNSPECIFIED CHAMFERS 0.5x45° DO NOT SCALE IF IN DOUBT, ASK.

PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF RIECO INDUSTRIES LTD. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT PERMISSION OF THE WRITTEN RIECO INDUSTRIES LTD., PROHIBITED.

RIECO INDUSTRIES LTD.
1162/2 SHIVAJINAGAR,BEHIND OBSERVATORY,PUNE-411 005 (INDIA)

	SIGN	DATE
DRAWN	SLG	19 02 2026
CHECKED	NSP	19 02 2026
APPROVED	NSP	19 02 2026

TITLE: 150 ACM PLANT LAYOUT

REFERENCE DRG. No.		SCALE	DRAWING No	REV.	SHEET
REPLACES DRG. No.		1:35	A0xxxxxxxxxxxx	0	1 OF 1

150 ACM PLANT LAYOUT * A1