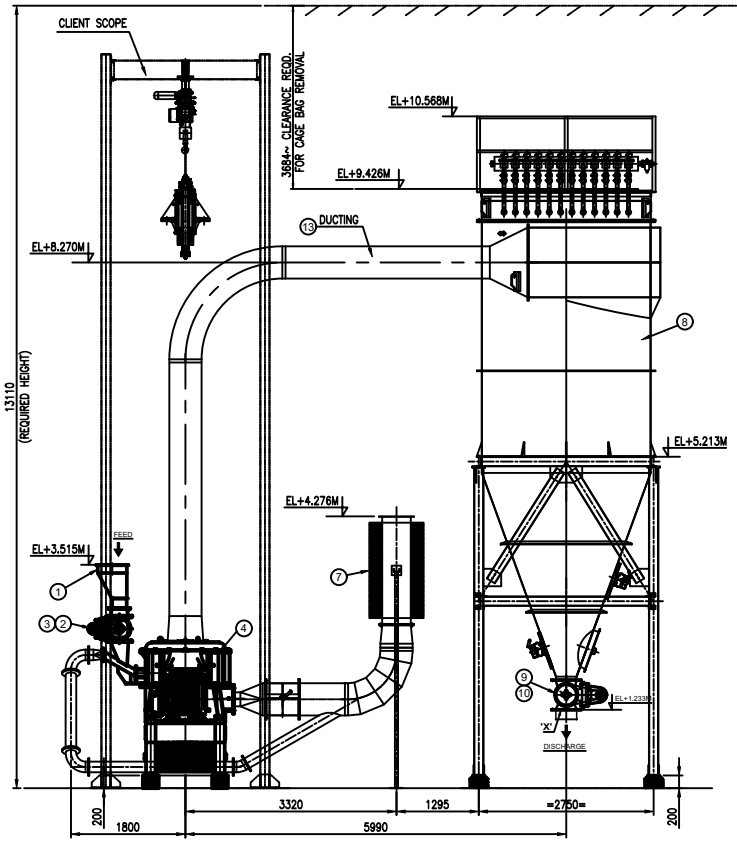
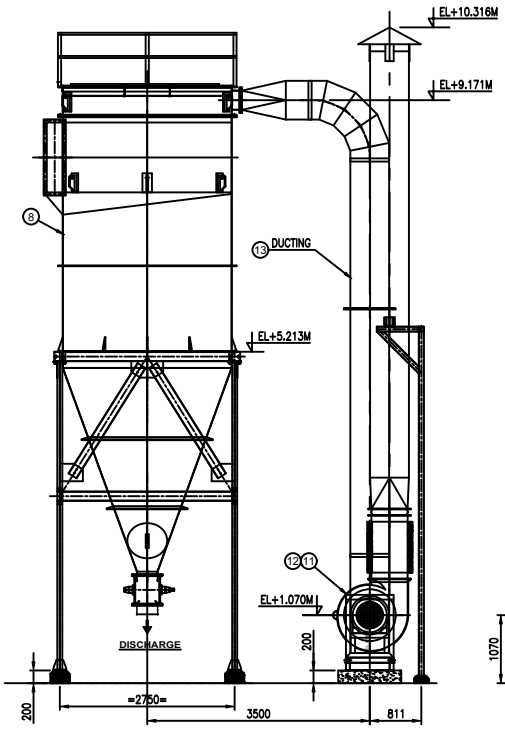
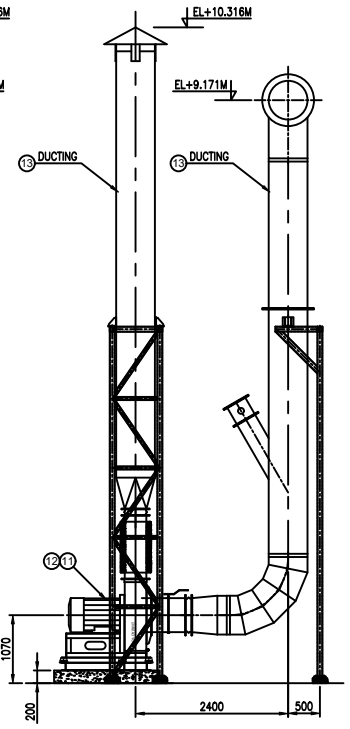


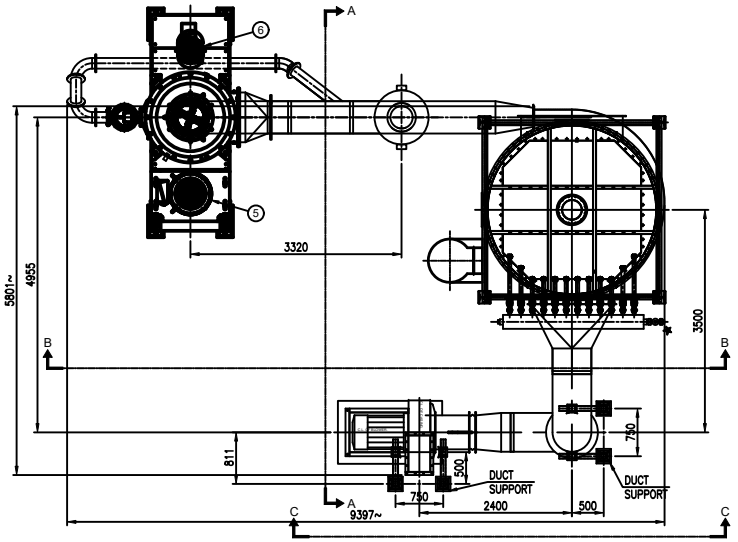
SECTION B-B



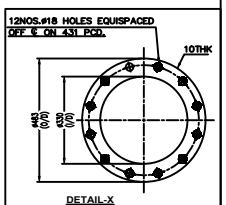
SECTION A-A



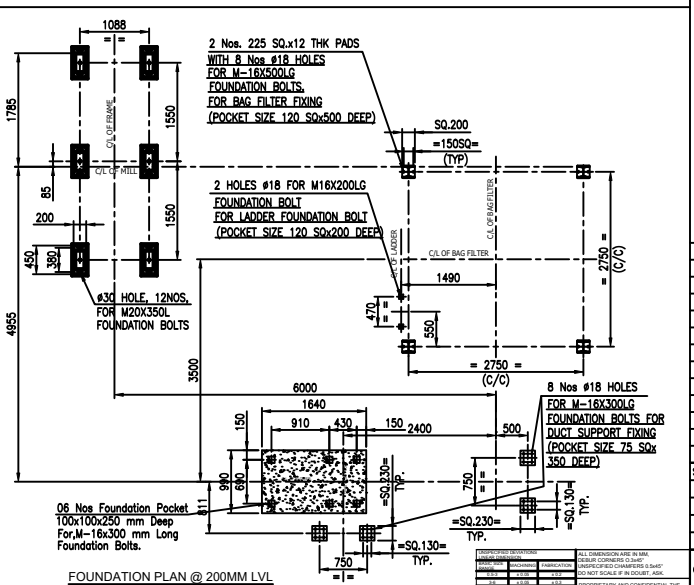
VIEW FROM C-C



PLAN



DETAIL-X
RAL DISCHARGE FLANGE
AL-300



FOUNDATION PLAN @ 200MM LVL

DESIGN DATA

MATERIAL	:-	CARBON BLACK RCB
FEED SIZE	:-	100 MICRONS
CAPACITY	:-	650 - 700 kg/hr
BULK DENSITY	:-	1100 - 2200 kg/m^3
FINAL PRODUCT SIZE	:-	90% PASSING 8 MICRON

LOAD DATA

	LOAD kg	
EQUIPMENT	STATIC	DYNAMIC
250 ACM	6500	16250
BAG FILTER+RAL	5000	7500
FAN	1400	2000

OPTION-2

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. 45 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
EARTHLING FOR BAG FILTER REQUIRED

SR.No	PART No.	QTY	DESCRIPTION	MATERIAL	SIZE	REMARK
13		1	DUCTING	MS		
12		1	MOTOR FOR FAN	STD	150HP	
11		1	FAN WITH SILENCER	MS		
10		1	GEARED MOTOR FOR RAL	STD	1.5HP	
9		1	RAL BELOW BAG FILTER	CI/MS	AL-300	
8		1	BAG FILTER TRL	MS	132H-12 CYLTRL	
7		1	AIR INLET SILENCER FOR MILL	MS		
6		1	CLASSIFIER MOTOR	STD	40HP	
5		1	MAIN MOTOR	STD	250HP	
4		1	MILL	CI/MS	250ACM	
3		1	GEARED MOTOR FOR RAL	STD	1HP	
2		1	RAL (FEED)	CI/MS	AL-250	
1		1	FEED HOPPER	MS		

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

REV	ZONE	DATE	DESCRIPTION	DRAWN	CHECK

UNSPECIFIED DEVIATIONS UNLESS DIMENSIONS ARE IN RANGES

RANGE	MACHINING	FABRICATION
0.5-6	±0.05	±0.1
6-30	±0.1	±0.2
30-120	±0.15	±0.3
120-315	±0.2	±0.4
315-1000	±0.3	±0.5
1000-2000	±0.5	±1
2000-4000	±0.8	±1.5

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.

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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: 250 ACM PLANT LAYOUT

REFERENCE DRG. No.	SCALE	DRAWING No	REV.	SHEET
REPLACES DRG. No.	1:40	A0xxxxxxxxxxxx	0	1 OF 1

250 ACM PLANT LAYOUT * A1