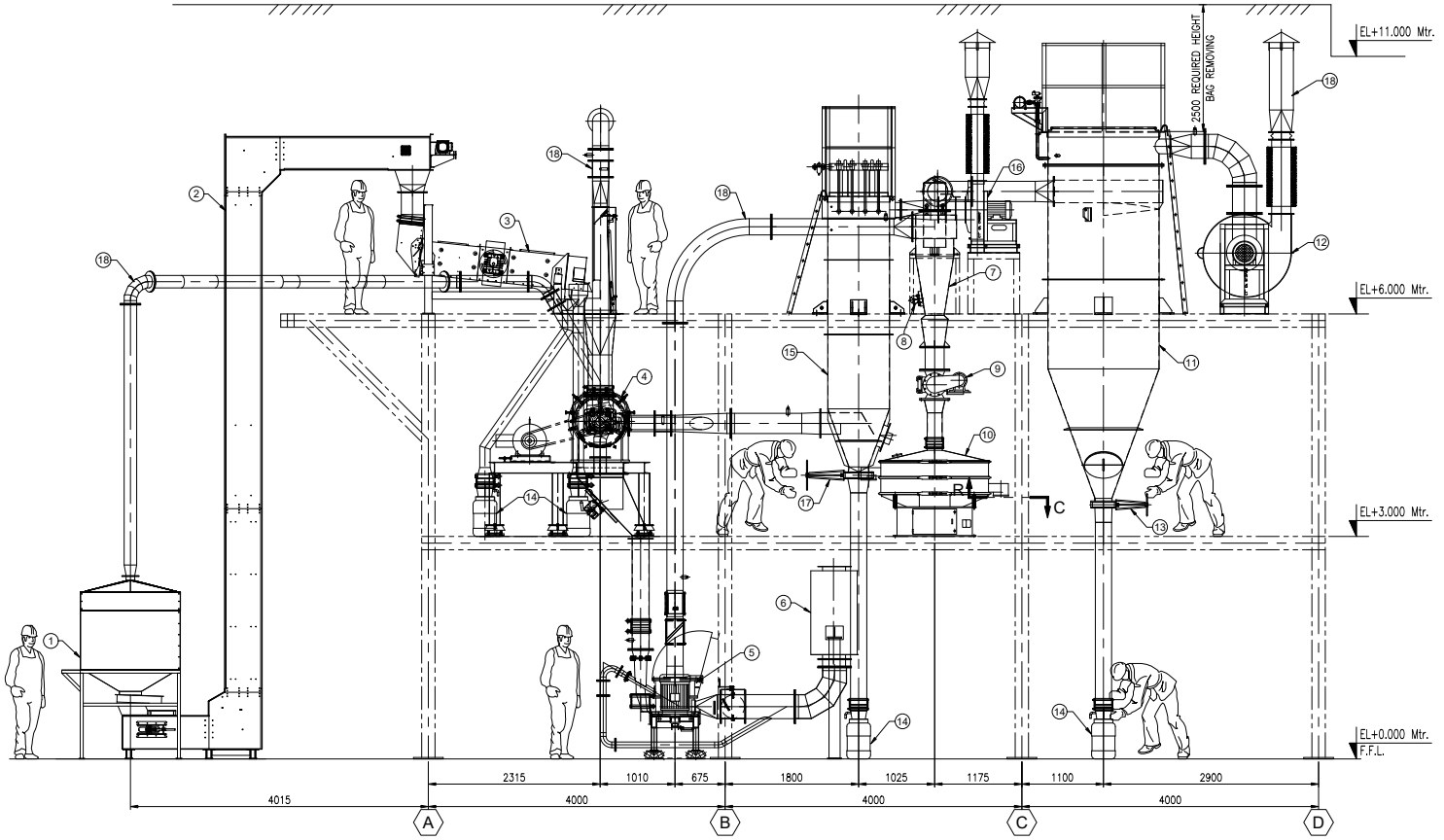
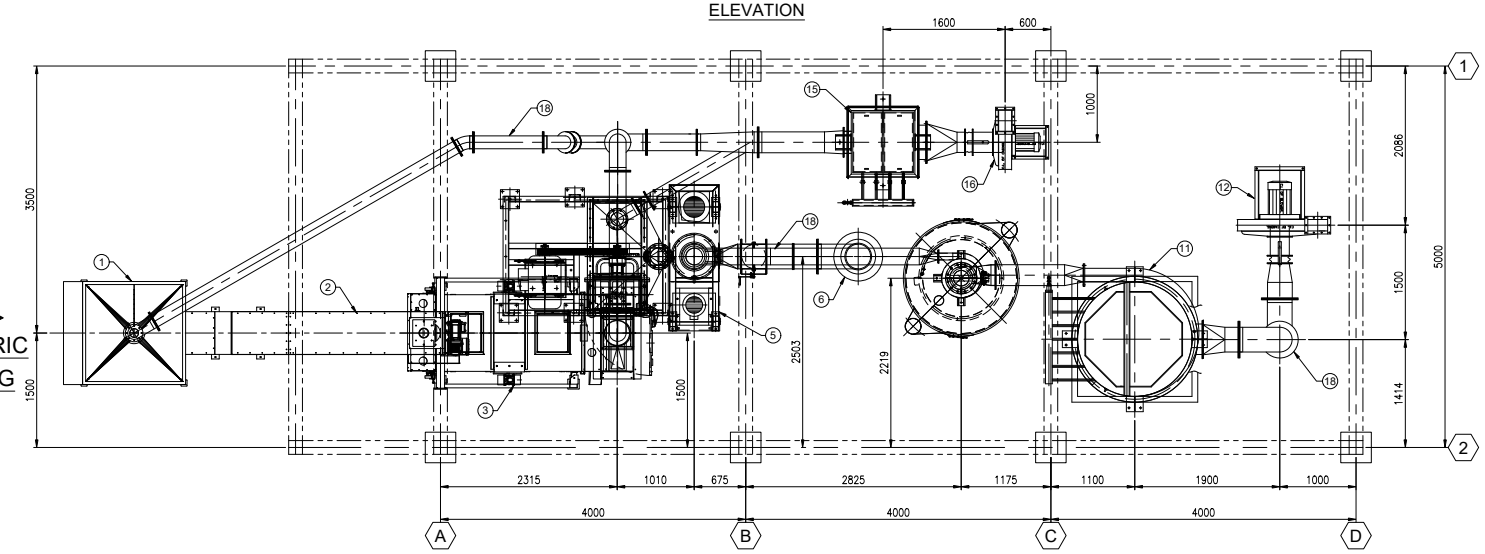


ELEVATION



TURMERIC FEEDING

PLAN

DESIGN DATA

MATERIAL	:-	TURMERIC
FEED SIZE	:-	50% FINGER 50% BULB
CAPACITY	:-	450-500 kg/hr
FEED BULK DENSITY	:-	500-600 kg/m^3
FINAL PRODUCT SIZE	:-	95% (-) 300 micron

SR.No	DESCRIPTION	STATIC	OPERATING
		LOAD IN KG.	
17	KGV(M) BELOW ASPIRATION BAGFILTER	80	80
16	C-CAN FOR ASPIRATION BAGFILTER	200	250
15	ASPIRATION BAGFILTER	1250	1500
14	COLLECTION DRUM	–	–
13	KGV (K) BELOW PROCESS BAGFILTER	80	80
12	C-CAN FOR PROCESS BAGFILTER	625	780
11	PROCESS BAGFILTER	1500	1800
10	VIBRO SIFTER	675	775
9	RAL BELOW CYCLONE	210	230
8	VIBRATOR FOR CYCLONE	–	–
7	CYCLONE	150	150
6	SILENCER 30ACM MILL	170	170
5	2nd STAGE MILL 30ACM	900	2250
4	1st STAGE MILL P-II	1125	1710
3	GRADER	600	720
2	BUCKET ELEVATOR	900	1100
1	FEED HOPPER +VIBRO FEEDER	200	300

LOAD DATA

NOTES :-

ALL DIMENSIONS ARE IN MM UNLESS NOTED.

* # 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 IN THE PLANT

MOTOR SUPPLY:-3ø,415V±10%,50Hz ±5%, & CONTROL VOLTAGE 24V DC

PAINT SPEC : COAT 1- EPOXY GREY EP8214 PRIMER W HARDENER
COAT 2 – PU WHITE RAL9003 GL W HARDENER.

FINISH (SS304) : MIRROR FINISH INTERNALLY AND 180 GRIT FINISH EXTERNALLY.

GASKET – WHITE NEOPRENE RUBBER FOOD GRADE

 # ALL SUPPORTS FOR DUCTING ,CYCLONE & WHEREVER REQUIRED ARE IN CLIENT'S SCOPE.

R
MENTION SCOPE
C
R FOR – RIECO
C FOR – CLIENT

SR.No	PART No.	QTY	TAG NO.	DESCRIPTION	MATERIAL	SIZE	LEVEL
18		1		DUCTING	SS304CP/MS		–
17		1		KGV(M) BELOW ASPIRATION BAGFILTER	MS		+3.0 Mtr.
16		1		C-CAN FOR ASPIRATION BAGFILTER	MS		+6.0 Mtr.
15		1		ASPIRATION BAGFILTER	MS		+6.0 Mtr.
14		4		COLLECTION DRUM	STD		+3.0 Mtr. GROUND
13		1		KGV (K) BELOW PROCESS BAGFILTER	MS		+3.0 Mtr.
12		1		C-CAN FOR PROCESS BAGFILTER	MS		+6.0 Mtr.
11		1		PROCESS BAGFILTER	MS		+6.0 Mtr.
10		1		VIBRO SIFTER	SS304CP/MS		+3.0 Mtr.
9		1		RAL BELOW CYCLONE	SS304CP/MS		+3.0 Mtr.
8		1		VIBRATOR FOR CYCLONE	STD		+3.0 Mtr.
7		1		CYCLONE	SS304CP/MS		+6.0 Mtr.
6		1		SILENCER 30ACM MILL	MS		GROUND
5		1		2nd STAGE MILL 30ACM	SS304CP/MS		GROUND
4		1		1st STAGE MILL P-II	SS304CP/MS		+3.0 Mtr.
3		1		GRADER	MS		+6.0 Mtr.
2		1		BUCKET ELEVATOR	MS		GROUND
1		1		FEED HOPPER +VIBRO FEEDER	MS		GROUND

CLIENT	**M/S AVNIVIJAY AGRO**
CONSULTANT	-
RIECO'S S.O.No.	**223169**
CLIENT'S P.O.No.	-

REV	ZONE	DATE	DESCRIPTION	DRAWN	CHECK

UNSPECIFIED DEVIATIONS: LINEAR DIMENSION

BASIC SIZE RANGE	MACHINING	FABRICATION
0.5-3	± 0.05	± 0.2
3-6	± 0.06	± 0.2
6-30	± 0.1	± 0.5
30-120	± 0.15	± 0.8
120-400	± 0.2	± 1.2
400-1000	± 0.3	± 2
1000-2000	± 0.5	± 3
2000-4000	—	± 5

ROUGHNESS GRADE NO.	N12	N11	N10	N9	N8	N7	N6	N5	N4	N3
ROUGHNESS VALUE-Ra µ m	50	25	12.5	6.3	3.2	1.6	0.8	0.4	0.2	0.1
ROUGHNESS SYMBOL										

ALL DIMENSION ARE IN MM. UNLESS OTHERWISE GIVEN. DO NOT SCALE FROM THIS DRAWING. 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 (D M Y)
DRAWN	SRK	09 04 2026
CHECKED	NSP	09 04 2026
APPROVED	NSP	09 04 2026

TITLE: **TURMERIC CLEANING & GRINDING PLANT LAYOUT FOR CAPACITY (450-500 kg/hr.)**

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