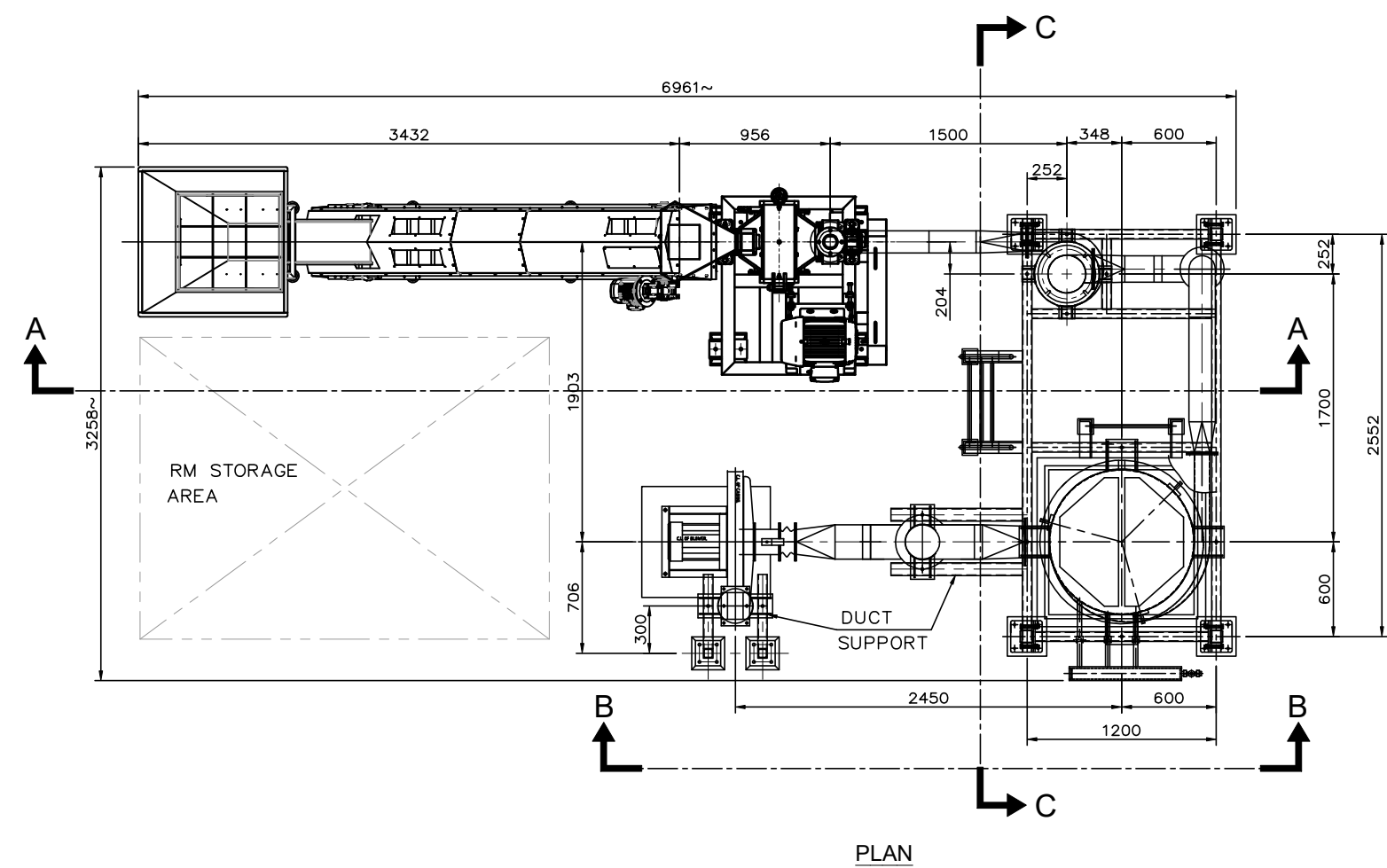




DESIGN DATA

MATERIAL	:-	TURMERIC
FEED SIZE	:-	25mm max
CAPACITY	:-	180-200 kg/hr
BULK DENSITY	:-	600-700 kg/m ³
FINAL PRODUCT SIZE	:-	95% 300 micron

EQUIPMENT	LOAD IN KG.	
	STATIC	OPERATING
INCLINED BELT CONVEYOR	400	500
MILL — ASM 15	630	1260
CYCLONE+RAL AL200	350	400
BAG FILTER+RAL AL200	800	900
FAN	370	481

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. 17 Nm³/Hr CLEAN, DRY & OIL FREE.
COMPRESSED TO 6 TO 8 kg/cm² 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 EPB214 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
- # FINISH FOR SS PART : INTERNAL MIRROR EXTERNAL 180 GRIT
- # FOR DUCT : INTERNAL ACID CLEANING EXTERNAL 180 GRIT.
- # MILL BASE FRAME TO BE BOLTED
- # EARTHING FOR BAG FILTER REQUIRED

BOM FOR MOC - SS304P					
14		1	DUCTING	—	
13		1	MOTOR FOR FAN	STD	7.5HP
12		1	FAN	MS	
11		1	COLLECTION DRUM	FOOD GRADE	
10		1	GEARED MOTOR FOR RAL	STD	0.5HP
9		1	RAL BELOW BAG FILTER	SS304CP	AL~200
8		1	BAG FILTER TRL	MS	9W~6 CYLTRL
7		1	GEARED MOTOR FOR RAL	STD	0.5HP
6		1	RAL BELOW CYCLONE	SS304CP	AL~200
5		1	CYCLONE	SS304CP	
4		1	MILL	SS304CP	ASM 15
3		1	MAGNET	STD	
2		1	INCLINED BELT CONVEYOR	MS	
1		1	VIBRO FEEDER	MS	

SR.No	PART No.	QTY	DESCRIPTION	MATERIAL	SIZE	REMARK
	CLIENT		--			
	CONSULTANT		--			
	RIECO'S S.O.No.		--			
	CLIENT'S P.O.No.		--			

	RIECO INDUSTRIES LTD. 11th Floor, Eleven West Panchshil, Survey No. 25, Near PAN Card Club Road, Baner, Pune - 411 069, Maharashtra, India		SIGN	DATE				
			DRAWN	SRK	D	M	Y	Y
					13	11	2024	
TITLE <u>ASM-15 PLANT LAYOUT FOR TURMERIC GRINDING</u>		CHECKED	NSP	13	11	2024		
		APPROVED	NSP	13	11	2024		

	N ^o									SCALE	DRAWING No										REV.	SHEET
029																						
7		REFERENCE DRG. No.								1:25	A x x x x x x x x x x x x x x x x										0	1 OF 1
		REPLACES DRG. No.																				

UNSPECIFIED DEVIATIONS LINE DIMENSION				ALL DIMENSION ARE IN MM. DEBUR CORNERS 0.5x45° UNSPECIFIED CHAMFERS 0.5x45° DO NOT SCALE IF IN DOUBT, ASK.												
BASIC SIZE		MACHINING	FABRICATION													
0-5.3		+0.05	+0.2													
3-6		+0.05	+0.3													
6-32		+0.1	+0.5													
32-125		+0.15	+0.7													
125-400		+0.2	+1.2													
400-1000		+0.3	+2													
1000-2000		+0.5	+3													
2000-4000		---	+6													
ROUGHNESS GRADE NO				N12	N11	N10	no		no	no	no	no	no	no	no	
ROUGHNESS VALUE-RA μm ISO 419				90	25	12.5	6.3	3.2	1.6	0.8	0.4	0.2	0.1	0.05	0.025	0.0125
ROUGHNESS SYMBOL																

REV	ZONE	DATE	DESCRIPTION	DRAWN	CHECK