ELECTRICITY

Smithfield 500 KW
Total Required 870 Amps
@60% = 522 Amps for Liquids

FUEL

Gas Supply
28960 GJ/Year

STEAM

Boiler 500KW

TOWNS / DI WATER

235 + 30% Peak
= 305T/ DAY

COMPRESSED AIR

10bar @ 260L/sec

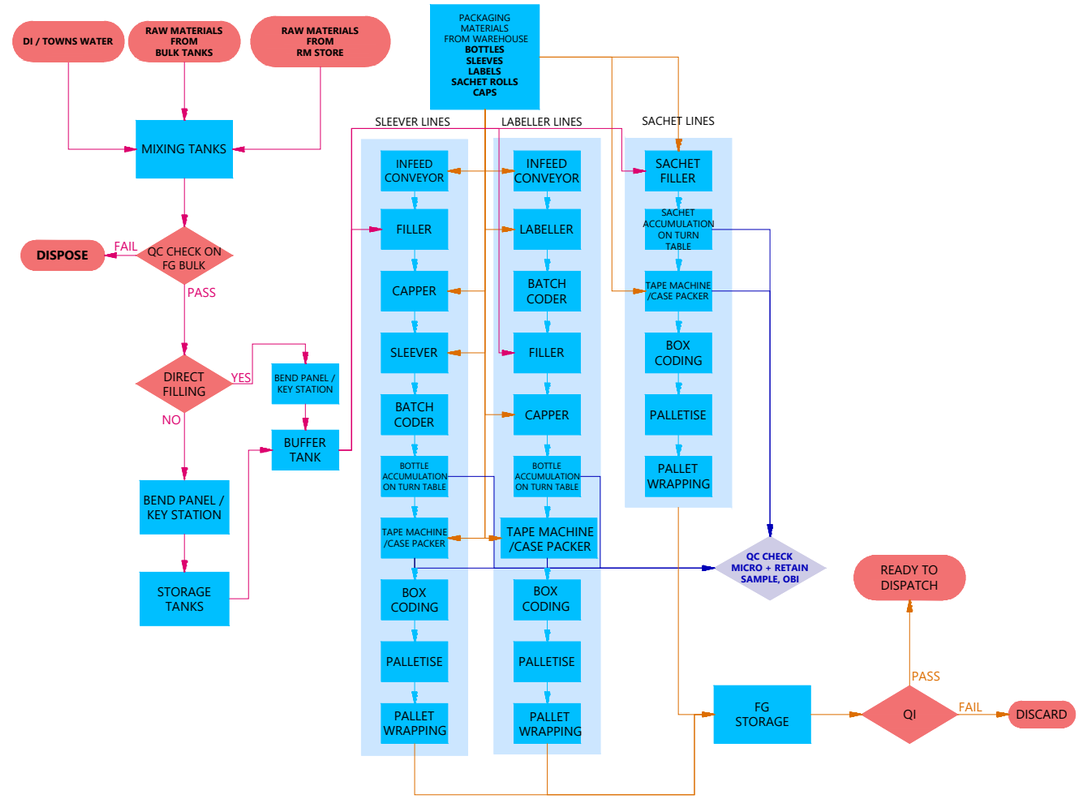
FIRE PROTECTION

TBC

OPERATIONS PLANS

Production :

Phase 1	Phase 2	Phase 3
2000T/week	3000T/week	4000T/week



BULK DELIVERY

Max 4 Trucks/ Day
Single 20T Tanker

PACT DELIVERIES

Max
1 B Double
Truck/ Day

PACKAGING MATERIALS

Sachet Reels
Bottle Labels
Carton Cases
Shrink wraps

24 Trucks/Day
Single 20T Truck

Packaging Storage

4000 Pallets

Ingredients Storage (PALLETS)

Drums - 250 Pallets
IBCs - 150 Pallets
DG - 50 Pallets

Finish Goods

4500 Pallets

Total Storage area required (Pallets)

FG	16000
Bottles	12000
Shippers	3000
Raw Material	3000

Revised Current Plus Future Filling Lines

6 Lines
1 New HS Filling Line

17 B Doubles &
5 Single Trucks /Day

FG (Peak Pallets/Day) Smithfield Site

726 Pallets

STAFF

Liquid	- 94
Warehouse	- 18
Quality	- 4
Admin	- 10
Engineering	- 9
TOTAL	- 135
New Site Target	- 114

1 Rubbish Bin
Truck /Day

SOLID WASTE

Plastic
Cardboard
General
Scrape Products

CIP WASTE

Reject Products
Rework

Total 60KL

WASTE WATER TREATMENT

100KL for Smithfield
50KL for other sites

Total 150 KL all sites

ASSUMPTIONS

FG Pallet 820Kg (average)
970Kg Max
Truck - 34 Pallets load

COMMENTS :				DRAWN	SS	04/02/22	SCALE	NTS
				CHECKED			SHEET SIZE	A3
				APPROVED			SHEET NO.	
	REVISION	DESCRIPTION	DATE		SIGN	DATE	ALL DIMENTSION ARE IN mm UNLESS OTHERWISE SPECIFIED	

DRAWING TITLE : LIQUID PROCESS FLOW DIAGRAM

DRAWING NO. :

JALCO GROUP

LOT 1 DP1024505
277-303 WOODPARK ROAD, SMITHFIELD, NSW, 2164

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