

FACTORY LOCATION IDENTIFICATION & LAYOUT PLANNING



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KEY POINTS TO... IDENTIFY IDEAL FACTORY LOCATION



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- Well allocated in industrial area, separate from habitation
- Location need to be close to RCN procurement area
- Location must provide sufficient access of labor/manpower
- Must have constant water and electricity access facility
- Location need to be connected with good roads for easy transportation
- Location should also provide enough space for future expansions

LAYOUT PLANNING



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- Its important a careful planning to develop a layout plan that considers this diverse range of issues and requirements.
- You must develop a plan that properly weights and balances both the quantitative and qualitative issues.
- A well designed facility can provide major reductions in material handling and labor requirements while initial construction and increasing capacity via expansions.
- Cycle time and production costs can also see major improvement.

DIFFERENT CAPACITY MEANS DIFFERENT AREA REQUIREMENTS



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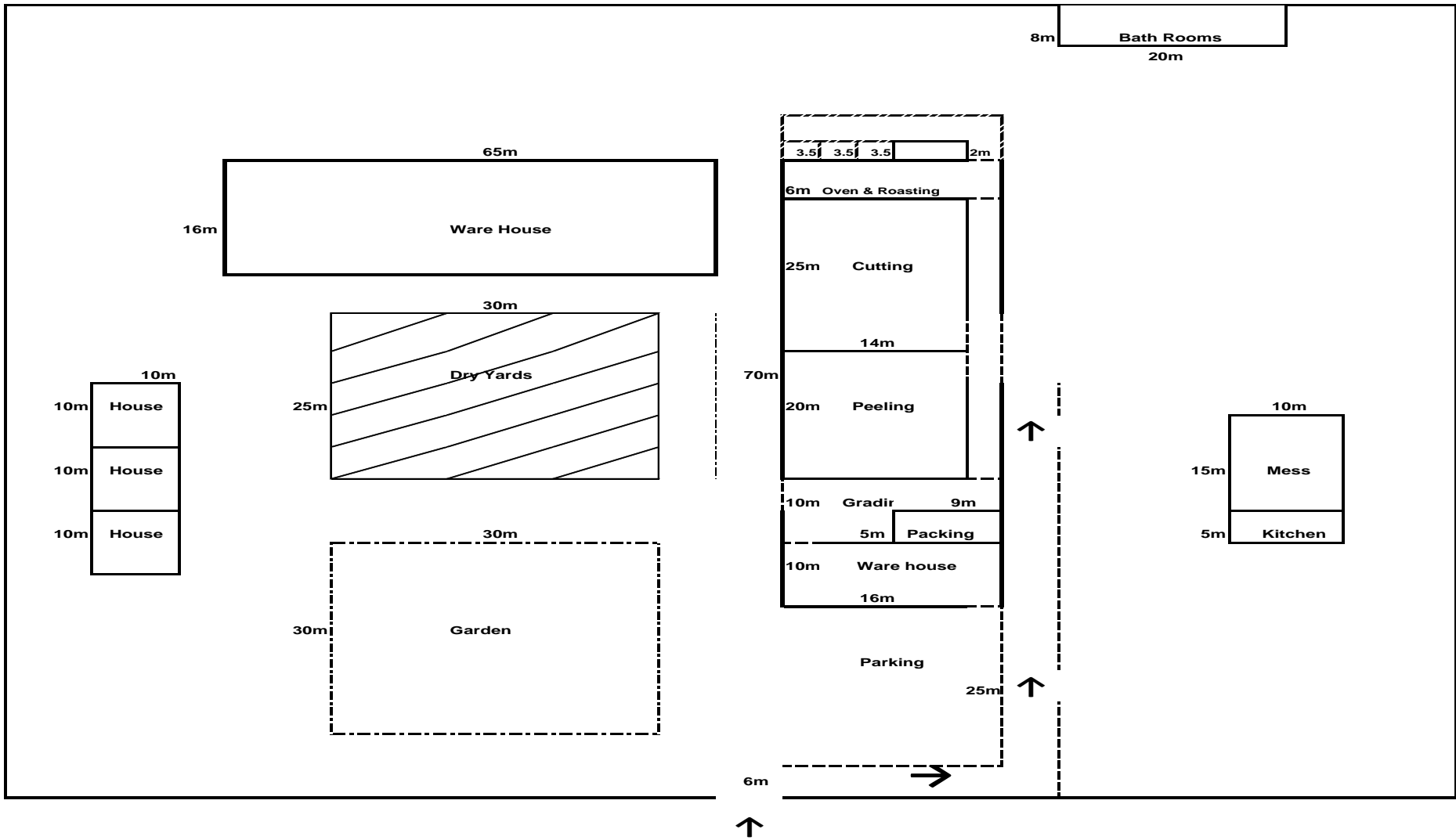
Area Needs for different capacities

S. No.	Description	Unit	500	750	1000	1250	1500	2000	2500	3000	3500	4000	4500	5000
1	Dry Yards	M ²	56	80	110	140	160	220	280	330	390	440	500	550
2	Ware- house	M ²	280	420	560	700	850	1100	1400	1600	1800	2100	2250	2500
3	Hot chamber & Steaming	M ²	75	120	150	150	200	200	200	200	200	200	200	200
4	Humidification & Handling	M ²	20	20	20	30	30	30	30	40	40	40	40	40
5	Cutting	M ²	100	150	200	250	300	350	450	525	600	675	750	850
6	Peeling	M ²	85	127.5	170	212.5	255	297.5	382.5	446.3	510	573.8	637.5	650
7	Grading	M ²	35	52.5	70	87.5	105	122.5	157.5	183.8	210	236.3	262.5	297.5
8	Packing	M ²	60	60	60	60	60	60	60	80	80	80	80	80
9	Ware- house (Kernels)	M ²	60	60	75	100	100	100	150	175	200	225	250	250
10	Office	M ²	50	50	50	50	50	100	100	100	100	100	100	100
11	Kitchen	M ²	30	30	30	30	50	50	50	50	50	50	50	50
12	Eating Mess	M ²	200	200	200	200	200	200	300	300	300	300	300	300
13	Bath rooms	M ²	60	60	75	100	100	100	150	150	150	150	150	150
14	Management House 1	M ²	100	100	100	100	100	100	100	100	100	100	100	100
15	Management House 2	M ²	100	100	100	100	100	100	100	100	100	100	100	100
		M ²	1311	1630	1970	2310	2660	3130	3910	4380	4830	5370	5770	6218

HOW LAYOUT SHOULD LOOK.



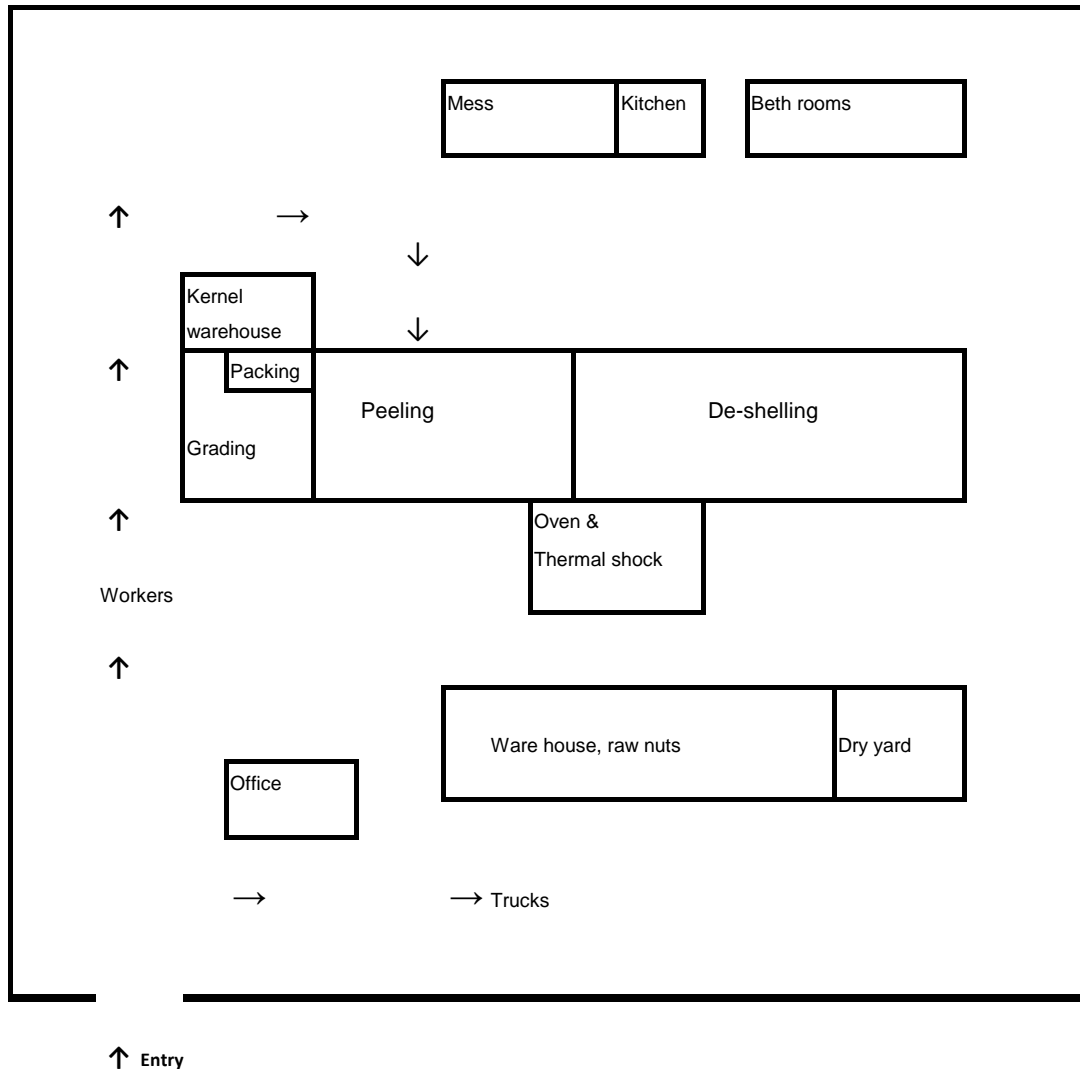
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ORGANIZED CHAIN FLOW OF PRODUCT IS VERY IMPORTANT



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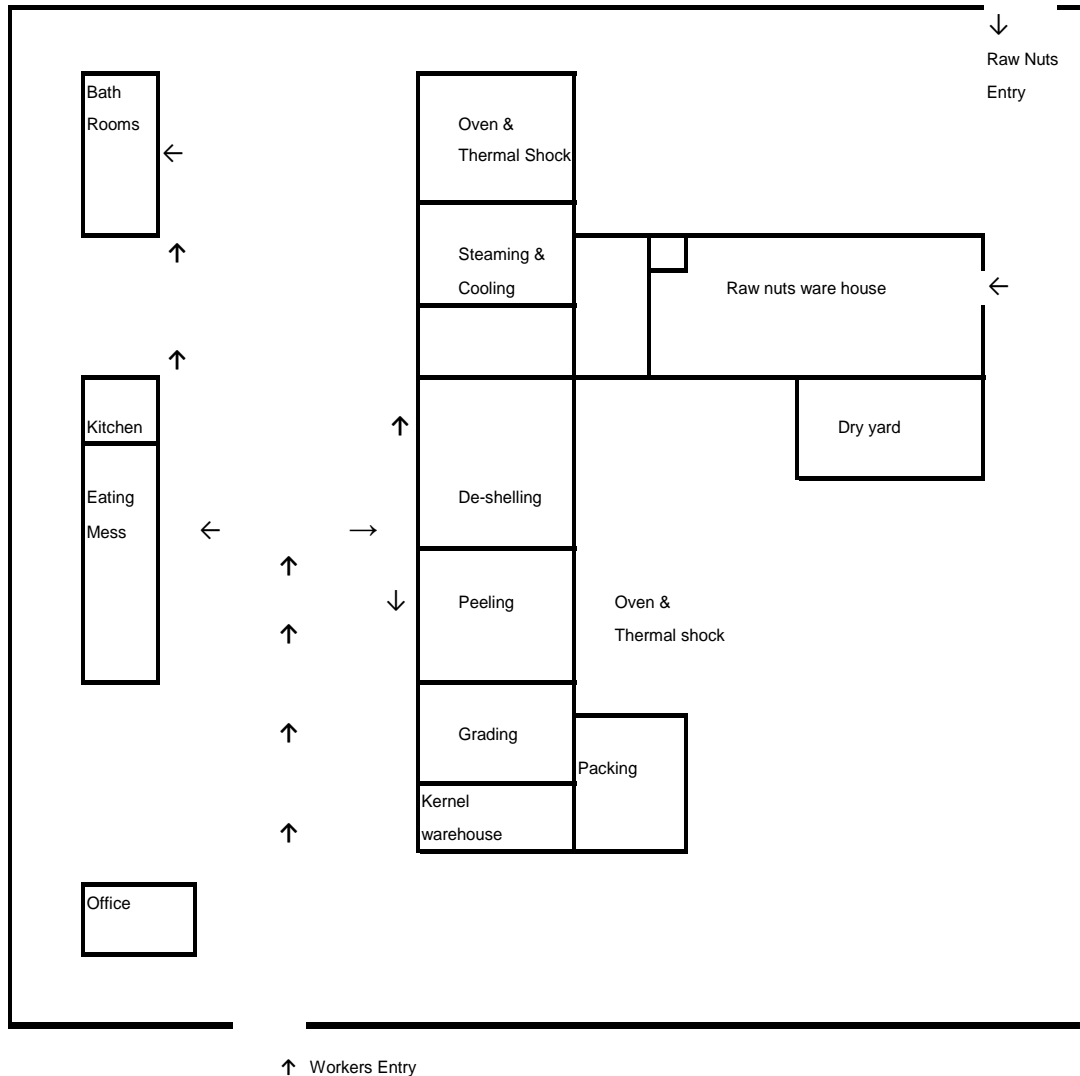


- Layout should facilitate a separate flow for daily input (RCN to Warehouse & other processing related inputs entries) - output (Final product & other related outputs exits)
- Layout should permit Workers to enter and exit from unique gates, it helps easy control of thefts on same time and also maintain the discipline

PROCESSING SECTIONS SHOULD BE ORGANIZED IN A CHAIN FLOW



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- Processing sections should be in linked and organized chain to each other so that product can get always a flow in front direction
- Warehouses, office, mess, & rest rooms should be linked to processing sheds via Footpaths to maintain hygiene aspects

THANKS!

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