Warehouse management

Additional tasks –SOLUTIONS

Solution Task 1

ABC results according to the frequency of picking

Lp.	Product	No of picks	[%]	Cumulative [%]	Class
1.	C	10	25,0	25,0	A
2.	D	9	22,5	47,5	A
3.	B	7	17,5	65,0	A
4.	I	6	15,0	80,0	A
5.	F	2	5,0	85,0	B
6.	G	2	5,0	90,0	B
7.	H	2	5,0	95,0	B
8.	E	1	2,5	97,5	C
9.	A	1	2,5	100,0	C
10.	J	0	0,0	100,0	C
Total:		40	100,0		

ABC results according to quantity picked.

Lp.	Products	Amount	[%]	Cumulative [%]	Class
1.	H	3990	66,5	66,50	A
2.	A	810	13,5	80,0	A
3.	I	520	8,67	88,67	B
4.	D	290	4,83	93,50	B
5.	E	90	1,50	95,00	B
6.	G	85	1,42	96,42	C
7.	B	80	1,33	97,75	C
8.	C	75	1,25	99,0	C
9.	F	60	1,00	100,0	C
10.	J	0	0,00	100,0	C
RAZEM:		6000	100,0		

Solution Task 2

M= 57,72m^2

Solution Task 3

$M_{horizontal}$ = 8.008 m^2 $M_{vertical}$ = 6.264 m^2

Solution Task 4

$M_{vertical}$ = 4,5 m^2

n= 23 because 138 pallets are stored along 3 roads so 138/6

Ps = 103,5 m^2