



Introduction

Team,

Thank you for considering Raymond Handling Concepts for all your material handling needs. Below is a breakdown of the solution that we have selected with you.

Scope: Install used 2012 Kardex VLM little use was for file storage (bankers Boxes)

The 1 unit we are proposing will be 20' tall with a 87-tray capacity. This VLM will come with 32 trays based on an average 11" product height. Each tray is 120" Wide by 34" deep with a lip height of 1.97". The weight capacity for each tray will be 507 lbs. Standard tray weight management system will not allow trays over tray capacity to be loaded for product safety and our Patented height detection system that stores each tray at .98" Spacing is included. External controller mount for easy operator access, an optional TIC pick to light and conformation bar at access opening is available. This keeps the operator engaged with their work until the order is complete (software required) All of this in one machine to help you maximize your Facility's accuracy and throughput.

Since its founding in 1987, Raymond Handling Concepts Corporation has been the <u>most trusted</u> provider of high-density storage, order-picking systems and associated services to companies engaged in warehousing and distribution as well as material handling of all kinds. We are the authorized Raymond Forklift and Kardex Remstar Sales and Service Center covering <u>California</u>, <u>Arizona</u>

Nevada, <u>Oregon</u>, <u>Idaho</u>, <u>Washington</u>, <u>Western Montana</u> and <u>Alaska</u>.

We are known for our material handling expertise, our world class forklifts, industry leading service, and our high level of integrity and

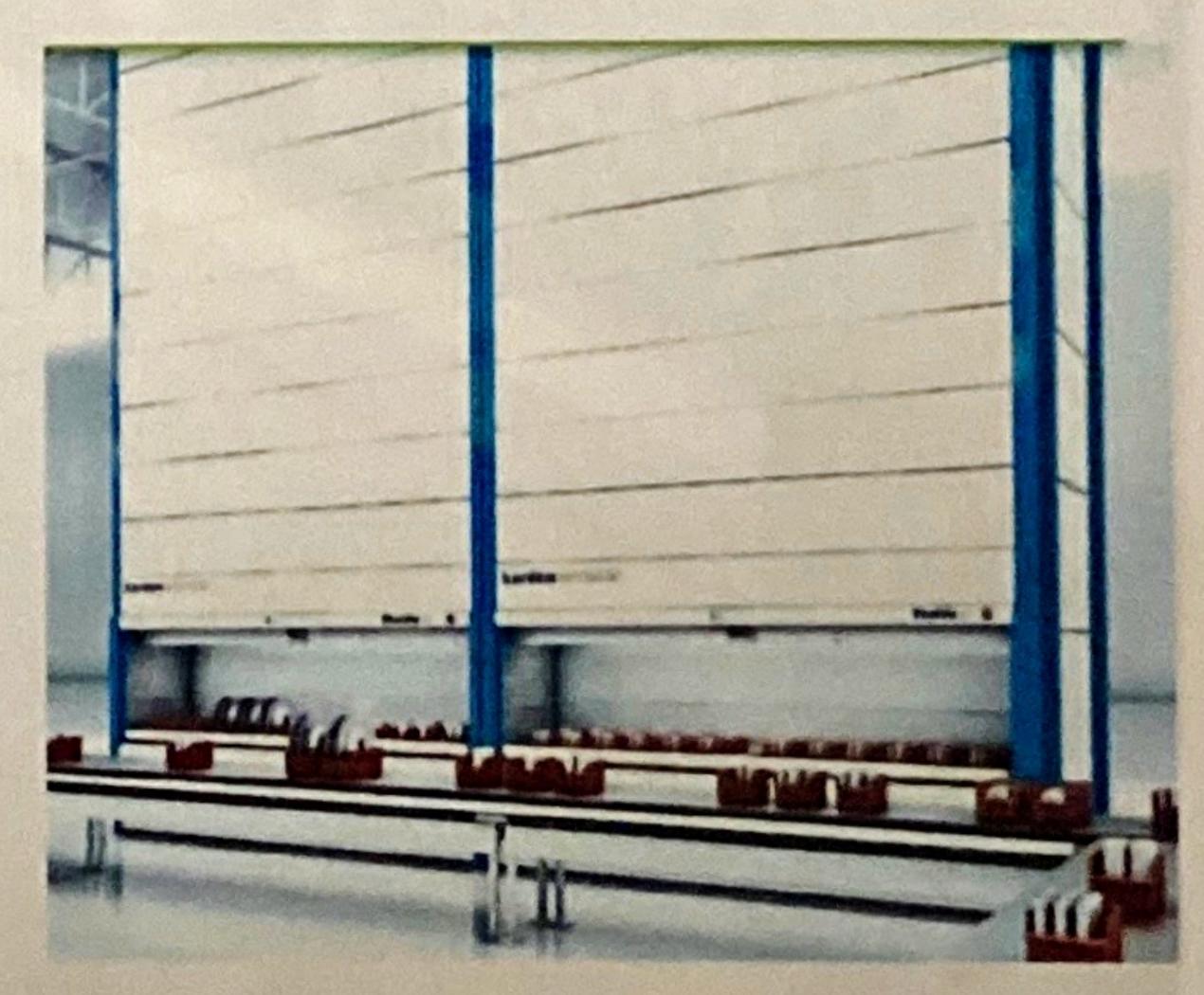
fairness in our dealings with customers, suppliers, employees and the community. We are uniquely creative and innovative in our approach to solving any material handling problems for our customers.

Please take time to review the proposal and let me know if you have any questions.

Thank you, I look forward to working together

David Zabaldo

Kardex Remstar Manager (209) 403-4776





December 31, 2018



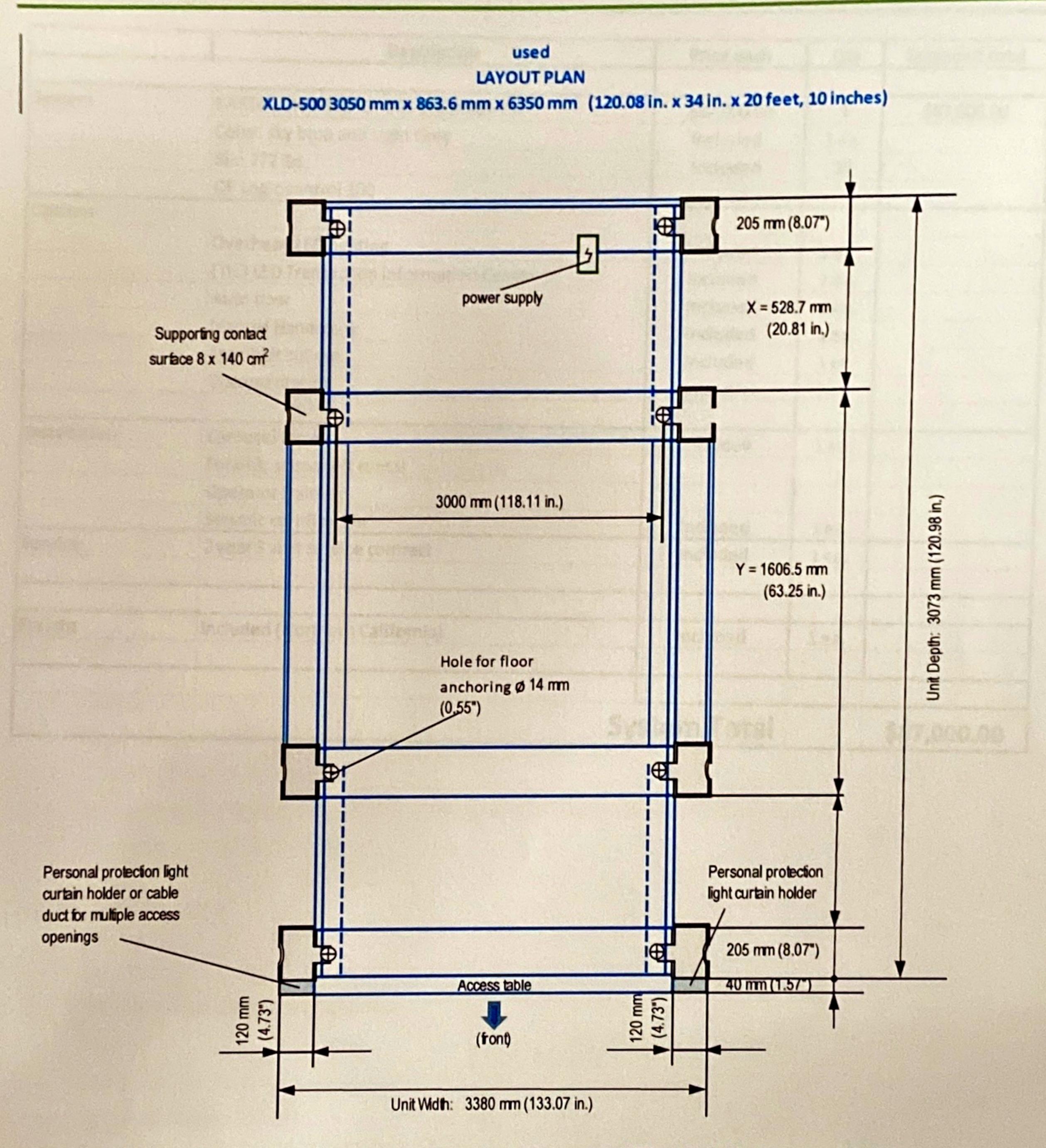
Your System Specification

Specifications for Shuttle XP	XI D. 500 2050						
Quantity of Units		1 863.6 mm x	6350 mm	[120.08 in.	x 34 in. x 20 feet, 1	0 inches)	
Overall Unit Height	20 6-1	10-4					
The required room height (unit height + 20mm /0.	79" Is the absolute a	10 inches	Required	Room Heig	ht 20 fee	t, 10.8 inches	
	The second secon	measur	e. Possible fil	oor / ceiling	unevenness and slo	pe must be considered	d therein.
Overall Unit Width	133.07 in						
Overall Unit Depth	120.98 in						
Shuttle Weight	: 6,645	Pounds Empty	without Trav	s. Product	er.		
Weight of Trays		Pounds (Avera		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Approx. Weight Empty w/Trays	10,666	Pounds (Averag					
Approximate Weight Fully Loaded as Configured	25,128	Pounds (Average					
			e per omity	Ou	antity	Lord Des To	(Ib1
Tray Type	Clear Width		Clear Dei	Ave./Unit	Total/Order	Load Per Tr Maximum	
Light Trays	120.08 in.		34 in.	0	0		Average/Sq.Ft.
Medium Trays	: 120.08 in.		34 in.	32	THE RESERVE OF THE PROPERTY OF THE PARTY OF	265	9.4
Heavy Trays	: 120.08 in.	A CONTROL OF THE PARTY OF THE P	34 in.		32	452	15.9
*Medium X Type 2 Trays	59.55 in. x 2		32.27 in.	0	0	584	20.6
*Medium Universal S Type 2 Trays	* *2			0	0	1102	41.3
Medium XL Type 1 Deep Trays	120.08 in.		33.72 in.	0	0		
Medium XXL Universal Trays	120.08 in.		33.6 in.	0	0		
*Medium Universal RS Type 2 Trays	x 2		33.6 in. 33.72 in.	0	0		
*Medium XL Type 2 Deep Trays	59.55 in. x 2		33.6 in.	0	0		
Heavy XL Type 1 Deep Trays	120.08 in.		33.6 in.	0	0		•
"Heavy XL Type 2 Deep Trays	59.55 in. x 2		33.6 in.	0	0		
Frame R XXL Trays	118.7 in.		33.6 in.		0		
Heavy S XXL Trays	119.69 in.		34 in.	0	0		
Medium S XXL Trays	118.7 in.		33.6 in.	0	0		
Medium Universal R Type 2 Trays	x 2		33.72 in.	0	0		
Medium Universal R Type 3 Trays	51.85 in. x 2, 52.1	6 in. x 1 x	33.72 in.	0	0		
*divided by a reinforcement bar whi	ch is adjustable on 5	Omm (1.97°) cent	ers up to 200	mm (7.87°)	from center of tmy	left or right	
Minimum Tray Spacing :	\$					rejs or regard	
Maximum Tray Spacing :	29.53	Inches	Maximum P	roduct Heig	ht: 28.74	inches (730mm)	
Clearance Required Above Product :	0.79	nches					
Shelf Rails (tray supports) :	106		BOTTON STATE				
Storage Locations Possible :	196 392						
Maximum Unit Capacity :		Saver de Harts Cons					
maximum onit capacity ,	147,708 P	ound: Unit Capac	ity after tray	weight de	lucted: 1436	87 Pounds	
Lifting Speed :	189.00 ft	t/min.					
Lifting Speed if Extractor is w/o a Tray	295.30 ft	L/min.					
Extractor Speed :	23.62	n./sec.					
Pick Performance (Average Qty.) :		rays/hour (does	not consider	onemtor nic	king time)		CONTROL DE LA CO
				operator pre	king ume)		
	Complete Cycle (St	orage + Retrieva	1)	S	ngle Cycle (Tray Ret	rieval only)	
Average Access Time :	32.45 Se	econds		1	5.23 Second	5	
Maximum Access Time :	38.80 Se	econds		1	7.40 Second	5	
Calculation of access times is based on: 1) Speed adjustment III	ft (vertical) at 100%;	extractor (horize	ontal) at 100	%. Note:			
100% extractor speed is not recommended for some storage good		Control of the Contro	STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.		update access times	ment : Activate weight	management to
Shutter door is set to closed during lift movement, i.e. tray posit			AND THE STREET OF SHIPLY THE TANK AND THE	This -			
setting is only possible with units equipped with 1 access opening.				C. C	ACTIVATE (Adds !	seconds to access time)
increase by ~6 seconds. 3) Options chosen on POF, such as auton	natic extraction will	affect times outli	ined above.				
With time-critical units (e.g. high performance order	picking units or rob	ot handling with	cyde times)	a prior cons	ultation with the fa	ctory is recommende	
Power :	480 Volts / 3	The same of the sa				- Tetorifin ende	
Maximum Power Consumption :	15 KVA		*				
		. Machine					
Full Load Amp (FLA)	19.0 Amp Per						
Max. Circuit Breaker Rating for Supply (Delayed)	25 Amp Per	Machine		A Section Section			



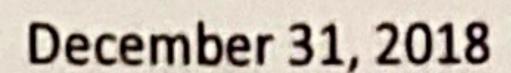


VLM Layout



This layout does not account for extraction table dimensions, if chosen on POF; only the basic access opening.

- The weight load is transferred to the <u>supporting contact surfaces</u> at the base frame via eight load profiles. The supporting surfaces are the contact surface for the complete machine.
- (Total) Supporting Contact Surface: 173.6 in.2 (1120 cm2)
- X: Spacing of outer load profiles
- Y: Spacing of inner load profiles
- The evenness of the floor surface, on which quality assured products are installed, must be within the admissible tolerances: Up to 10 meter unit height, distance = 12mm (0.47 in.)
- Unit must be anchored to the foundation
- The front edge of the access table and the personal protection light curtain protrude the access opening by 40 mm (1.57")









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December 31, 2018



Cost Breakdown

	Description	Price each	Qty	Extended tota
Cyrta-				Exterior tota
System	KARDEX SHUTTLE-XP-500-3050X864-US	\$87,000.00	1	\$87,000.00
	Color: sky blue and Light Grey	Included	1ea.	\$87,000.00
	Bin: 772 lbs.	Included	32	
	OP Logic control 100		32	
Options				
	Overhead LED lighting	Included	1ea.	
	(TIC) LED Transaction Information Center	Included	1ea.	
	Auto door	Included	1ea.	
	Manual Handcrank	Included	1ea.	
	Sprinkler cut out	Included	1ea.	
	Documentation	Included	1ea.	
			100.	
Installation	Carousel install	Included	1ea.	
	Forklift, scissor lift rental			
	Operator training			
	Seismic certification	Included	1ea.	
Service	2 year 3 visit service contract	Included	1ea.	
reight	Included (Northern California)	Included	1ea.	
		System Total		\$87,000.00