













	and the second se	EXISTING MECHANICAL SUMMARY	PRESENTATION OUTLINE
	* access	CENTRAL HEATING PLANT	* PROJECT BACKBROUND
·	• • • •		* EXISTING MEDHANICAL BUNKARY
	T Property		* DEGIGN DEJECTIVES
		FOUR GAS FIRED HW BOILERS- 8,000 MEH EACH	* ALTERNATIVE DESCRIPTIONS
An area	T annume	SERVER - AHU'S, FEU'S, TEBHINAL UNITS	* WATER GOOLED BOLUTION
and a processing and a second	and the second s	OCHIEN- OPERATE WITH HWE ZOO'F & HWE 160'F	* ENERGY ANALYSIS & PAYBAOK
	# antiper	- 310 GPM, 15 FT, WC, EACH.	* REPRIDERANT GOOLED BOLUTION
Antippings			* ENERGY ANALYSIS & PAYEAUK
	100		* BUDTAINABILITY BREADTH
-	12		* PINAL RECOMMENDATIONS











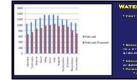
















TER COOLED SERVER RACE IS AN E THE LAS BUILDING AS IT WILL CE COOLING LOADS FOR THE LAS BU IDE A GREATER POSSIBLE SERVER DE RE THAT FUTURE LOADS WILL BE MET Ресектолов Сителе Алех Влассанов атам Воссанов, Виниат ней Ольстон женатор Освоентон та Освое Валичен та Освое Валичен та Анали в Алагак ата Анали в Алагак та Анализия в Анализия та Анализия в Анализия та Анализия в Анализия та Анализия в Анализия та Анализия в Анализия та Анализия в Анализия та Анализия та Анализия в Анализия та Анализия та Анализия в Анализия та Анализия та Анализия та Анализия та Анализия та Анализия в Анализия та Анализия

REFRISERANT COOLED     Description       ENVER NAME     Bandard State	
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CONTRACT CONTRACT	REFRIGERANT COOLED	
	SERVER RACKS	* PROJECT BACKBROUND
	*New Design	* EXISTING MECHANICAL BUMHARY
1 A	<ul> <li>INSTALL &amp; REPRIDERANT BASED COOLING SYSTEM</li> <li>INSTALL REPRIDERANT COOLED RACKS</li> </ul>	* DESIGN DEJECTIVES
La trans a province		* ALTERNATIVE DESCRIPTIONS
	BENEFITS:	* WATER GOOLED BOLUTION
	<ul> <li>IN THE EVENT OF A LEAK, THE REPRIDEMANT TURNE INTO GAS AT ROOM TEMPERATURE PREVENTING</li> </ul>	* ENERBY ANALYSIS & PAYBAOK
		* REFRICTION COOLED BOLUTION
La case al management	WAL SAVE ENERGY & MONEY IMMEDIATELY     INCREASE RELIABLITY	* ENERGY ANALYSIS & PAYBAOK
		* BUSTAINABILITY BREADTH
	<ul> <li>WILL PROVIDE HORE RODM FOR FUTURE EXPANSION/ CONFIDENCE THAT THE EVENTEM WILL BE ABLE TO HANDLE FUTURE LOADINGS</li> </ul>	* PINAL RECOMMENDATIONS



NATER COOLED SERVER RACKS	REFRIGERANT COOLED	
NATER GOOLED SERVER RACKS	SERVER RACKS	* PROJECT BACKBROUND
		* EXISTING MECHANICAL BUMMARY
* REDUCE CODUNG LOADS BY 21%	* REDUCE COOLING LOADS BY 22%	
* INITIAL COST: \$863,400	* INITIAL COST: \$2,425,000	* ALTERNATIVE DEDORIPTIONS
* ENERGY SAVINGE/ YEAR: \$180,000	* ENERGY SAVINGE/ YEAR: \$297,000	* WATER DOOLED BOLUTION
* HAVE & PAYBACK PERIOD OF 4.79 YEARS	* HAVE & PAYBACK PERIOD OF 9.1 & YEARS	* ENERGY ANALYSIS & PAYSAOK
		REPRISERANT DODLED BOLUTION
		* ENERGY ANALYSIS & PAYSAOK
		* BUSTAINABILITY BREADTH
		* FINAL RECOMMENDATIONS



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and the second sec	BUSTAINABILITY BREADTH	PRESENTATION DUTLINE
	RAINWATER COLLECTION SYSTEM	* PROJECT BACKEROUND
	ROOF AREA 227,556 SF	* EXISTING MECHANICAL BUMHAR
A		* DESIGN OBJESTIVES
	AVG. PRECIPITATION- 44"/ YR	* ALTERNATIVE DEBORIPTIONS
1 mm		* WATER BOOLED BOLUTION
		* ENERGY ANALYSIS & PAYRADS
	THE VIELD HAR THE ABILITY TO FLURH EVERY TOLLET IN THE	* REFEIERANT BOOLED BOLUTIO
	LANDERARE ARCHITECT HAR DESIGNED ONLY VERETATION NOT	* ENERGY ANALYSIS & PAYRADE
		BURTAINABILITY BREADTH
Contraction of the local division of the loc	TANKE: 3- TANKE AT 75,000 GALLONE EACH FOR EACH	* PHAL RECOMMENDATIONS
	BUILDING	

			SUSTAINABILITY BREADTH	PRESENTATION OUTLINE
			RAINWATER COLLECTION SYSTEM	PROJECT BACKEROUND
-	THE PROPERTY AND INCOME.	Concernance of the second		* EXISTING MEDHANIGAL BUNKARY
Augulations	14.72	825,624	SCHEDULE IMPLICATIONS: MORE MONEY WOULD NEED	* DEGIGN CONSERVES
farmed	34,50	.85.96	TO BE REENT ON MATERIALS AND LABOR. SMALL	* ALTERNATIVE DESCRIPTIONS
Common State	36,00	194.00	BAVINGE WITH URINALE DO LITTLE TO HELP.	
and the second second	36,00		PAYEACK PERIOD: 63 YEARS	* WATER COOLED BOLUTION
waters	10,454		RECOMMENDATION: UNLESS YOU LIVE TO BAVE WATER,	* ENERGY ANALYSIS & PAYEAOK
3014	301,588	4,70,80	THIS SYSTEM DOES NOT MAKE ECONOMICAL SENSE. IF	* REPRINGING COOLED BOLUTION
		INNIGATION WAS NEEDED AT THE SITE, THIS MAY MAKE MORE SENSE.	* ENERGY ANALYSIS & PAYBAOK	
			I DO NOT RECOMMEND THE INSTALLATION OF A	* BUDTAINABILITY BREADTH
			RAINWATER COLLECTION SYSTEM TO FLUSH THE TOILETS IN THIS FACILITY.	* FINAL RECOMMENDATIONS



