



BUILDING	100, 800, 1000, F	000	Services					ENGINEERIN	NG SERVICES FOR THE BUILDING ENVE	LOPE
ROOF SQ FT	25,000							_		
ROOF CONSTRU	JCTION									
ROOF AGE	BUR 2012	⋖	0-5 YEARS		5-10 YEARS		10-15 YEARS		15+ YEARS	✓
DECK TYPE	METAL		PLYWOOD		PLANK		CONCRETE		LW CONCRETE	
INSULATION	NONE		ISO		FIBER		PERLITE		STYRO	
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED	
MEMBRANE	CLAY TILE	~	SINGLE PLY		BUR	✓	MOD BIT		TWO SYSTEMS	~
MEM SURFACE	COATING		MS CAP		GRAVEL		SMOOTH		GRANULE	
FLASHINGS	CAPSHEET		HYPALON							
DRAINAGE	BUR JOSAM		SCUPPERS		T GUTTERS	7	T OVER EDGE	-		
SLOPE	NONE		1:12		2:12		TILE 3:12	_	6:12	
	N - RATINGS (1-1				NS				DATING	#
FIELD			EPAIRS NEEDED	•					RATING	8
			RESEAL SEAMS				ERS or RIDGING		TILE RATING	6
			OOF OF DEBRIS		DE	CK F	REPAIR NEEDED			
	DECK	REPA	AIR SUSPECTED		RESEAL/F	RPLA	CE FASTENERS			
		CF	RAZE CRACKING		· ·	BRIT	TLE MEMBRANE			
		EX	CESSIVE WEAR		В	ROK	EN TILES - 10-20	✓		
PITCH/POND		RE	EPAIRS NEEDED						RATING	8
	F	ILL P	ONDING AREAS		FIX	(DE	CK DEFLECTION			
		,	SOME PONDING		E	XCE	SSIVE PONDING			
FLASHING			PAIRS NEEDED						RATING	7
			EAL/REPAIR ALL				REPAIR SELECT		TILE RATING	8
			ECOAT AC DUCT				L/RECOAT WALL			
DDAINAGE	RES		WALL FLASHING		LOC	JSE '	WALL FLASHING	V	DATING	0
DRAINAGE	ADD/ (EPAIRS NEEDED ANCE CRICKETS		ADD/EN		NCE OVERFLOW		RATING	8
	ADD/E	=IN∏ <i>F</i>	CLEAR DRAINS		ADD/EI	νпΑι	ADD GUTTER			
	GUTT	FR F	REPAIR NEEDED		GUTTE	R CC	DATING NEEDED			
PENETRATION	3011		EPAIRS NEEDED		OOTIL		ONTINO NEEDED		RATING	8
			EAL/REPAIR ALL		RES	EAL/	REPAIR SELECT		1011110	
			LACE SKYLIGHT				VHEN POSSIBLE			
ADDITIONAL		Δ	CTION NEEDED							
	IMPF	ROVE	ROOF ACCESS		ADD	EXT	ERNAL LADDER			
	REMOV	E DE	AD EQUIPMENT							
MAINTENANCE	k	KEEP	DRAINS CLEAN		KEEP	WAT	ERWAYS CLEAN			
	SPOT RE	PAIR	UNTIL REROOF				TRIM TREES			
	CLEA	AR R	OOF OF DEBRIS		HV	/AC F	REPAIR NEEDED			
	H	HAZIV	AT SUSPECTED		KE	EP G	SUTTERS CLEAR	✓		
LEAKS	E	EVIDI	ENCE OF LEAKS		YES		NO	✓		
ROOF CONDITIO	N - OVERALL SY	STE	// RATING							
VERY POOR					REPLACE OR C	COAT	IMMEDIATELY -	SPO	T REPAIRS ONLY	
POOR					REPLACE OR (COAT	Γ IN 1-2 YEARS -	SPO	T REPAIRS ONLY	
FAIR							REPLACE O	R CO	AT IN 3-5 YEARS	
MARGINAL							REPLACE OR	COA	T IN 5-10 YEARS	
GOOD							REPLACE OR	COAT	IN 10-15 YEARS	\

EXCELLENT

SMALL AMOUNT OF BLISTERS FOUND, ONE AREA WHERE FLASHING IS FALLING OFF. MANY BROKEN TILES. TILE AREA APPROXIMATELY 18000SF.

	BUDGET ESTIMATES
\$0.00	IMMEDIATE REPAIRS AS RECOMMENDED
\$1,500.00	YEARLY PREVENTIVE MAINENANCE
\$0.00	ROOF RECOATING
T \$375,000.00	ROOF REPLACEMENT





The photo below shows some broken tiles.



The photo below shows the wall flashing in need of repair.







BUILDING	1100						Ě	NGIVEERIN	NG SERVICES FOR THE BUILDING ENVE	LOPE	
ROOF SQ FT	800							_			
ROOF CONSTRU	JCTION										
ROOF AGE	UNKNOWN		0-5 YEARS		5-10 YEARS		10-15 YEARS	\	15+ YEARS		
DECK TYPE	METAL		PLYWOOD	\	PLANK		CONCRETE		LW CONCRETE		
INSULATION	NONE	⋖	ISO		FIBER		PERLITE		STYRO		
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED		
MEMBRANE	CLAY TILE	⋖	SINGLE PLY		BUR	✓	MOD BIT		TWO SYSTEMS	✓	
MEM SURFACE	COATING		MS CAP	✓	GRAVEL		SMOOTH		GRANULE		
FLASHINGS	CAPSHEET	~	HYPALON								
DRAINAGE	BUR JOSAM	V	SCUPPERS		T GUTTERS	~	T OVER EDGE	~			
SLOPE	NONE		1:12		2:12		TILE 3:12	~	6:12		
BOOF CONDITIO										#	
	ON - RATINGS (1-1	,		ATIOI	NS				RATING	4	
FIELD			PAIRS NEEDED								
			RESEAL SEAMS				STERS/RIDGING		TILE RATING	7	
			OOF OF DEBRIS		DE	:CK I	REPAIR NEEDED				
	DECK F	REPA	IR SUSPECTED		RESEAL/F	RPLA	CE FASTENERS				
		CR	AZE CRACKING		I	3RIT	TLE MEMBRANE				
		EXC	CESSIVE WEAR				BROKEN TILES				
PITCH/POND		RE	PAIRS NEEDED						RATING	3	
	F	ILL PO	ONDING AREAS	✓	FIX	(DE	CK DEFLECTION				
		S	OME PONDING		E	XCE	SSIVE PONDING				
FLASHING	REPAIRS NEEDED								RATING	3	
			EAL/REPAIR ALL		RESEAL/REPAIR SELECT				TILE RATING	7	
			COAT AC DUCT		RESEAL/RECOAT WALL LOOSE WALL FLASHING			V			
DRAINAGE	RESI		VALL FLASHING PAIRS NEEDED	✓	LOC	JSE	WALL FLASHING		RATING	3	
DIVAINAGE	ADD/F		NCE CRICKETS	V	ADD/FI	ИДНИ	NCE OVERFLOW		NATING	3	
	7,8872		CLEAR DRAINS	_	, (88/2)	41 17 41	ADD GUTTER				
	GUTT		EPAIR NEEDED		GUTTE	R CC	DATING NEEDED				
PENETRATION		RE	PAIRS NEEDED						RATING	3	
		RESE	AL/REPAIR ALL		RES	EAL/	REPAIR SELECT				
	ı	REPL	ACE SKYLIGHT		RAISE HEIG	HT V	VHEN POSSIBLE	✓			
	BASE	FLAS	HINGS FAILING								
ADDITIONAL		A	CTION NEEDED								
	IMPR	ROVE	ROOF ACCESS		ADD	EXT	ERNAL LADDER				
	REMOVI	E DE	AD EQUIPMENT								
MAINTENANCE	К	EEP	DRAINS CLEAN	V	KEEP	WAT	ERWAYS CLEAN				
			UNTIL REROOF				TRIM TREES				
		_	OOF OF DEBRIS				REPAIR NEEDED				
			AT SUSPECTED				GUTTERS CLEAR	_			
LEAKS	E	VIDE	NCE OF LEAKS		YES		NO	V			
ROOF CONDITIO	ON - OVERALL SYS	STEM	RATING								
VERY POOR					REPLACE OR C	COAT	IMMEDIATELY - S	SPO	T REPAIRS ONLY		
POOR					REPLACE OR (COAT	Γ IN 1-2 YEARS - S	SPO	T REPAIRS ONLY	✓	
FAIR							REPLACE OF	R CO	AT IN 3-5 YEARS		
MARGINAL							REPLACE OR	COA	AT IN 5-10 YEARS		
GOOD							REPLACE OR (COAT	IN 10-15 YEARS		
EXCELLENT					ONLY IF ROOF IS LESS THAN 5 YEARS OLD						

BUDGET TO REPLACE IN A YEAR OR TWO.

	BUDGET ESTIMATES
\$0.00	IMMEDIATE REPAIRS AS RECOMMENDED
\$1,500.00	YEARLY PREVENTIVE MAINENANCE
\$0.00	ROOF RECOATING
\$12,000.00	ROOF REPLACEMENT





The photo below shows evidence of extreme ponding and the need to trim trees.



The photo below shows the wall in need of anew coating.







DOOE OO ET	45.000							NGINEERIN	NG SERVICES FOR THE BUILDING ENVE	LOPE
ROOF SQ FT	15,000									9
ROOF CONSTRU										
ROOF AGE	BUR 2004	✓	0-5 YEARS		5-10 YEARS		10-15 YEARS		15+ YEARS	
DECK TYPE	METAL		PLYWOOD	✓	PLANK		CONCRETE		LW CONCRETE	
INSULATION	NONE	✓	ISO		FIBER		PERLITE		STYRO	
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED	
MEMBRANE	CLAY TILE	✓	SINGLE PLY		BUR	\	MOD BIT		TWO SYSTEMS	\checkmark
MEM SURFACE	COATING		MS CAP	\	GRAVEL		SMOOTH		GRANULE	
FLASHINGS	CAPSHEET	✓	HYPALON							
DRAINAGE	BUR JOSAM	✓	SCUPPERS		T GUTTERS	~	T OVER EDGE	✓		
SLOPE	NONE		1:12		2:12		TILE 3:12	4	6:12	
ROOF CONDITIO) N - RATINGS (1-1	0) aı	nd RECOMMENDA	OITA	NS					#
FIELD		RI	EPAIRS NEEDED	~					RATING	5
			RESEAL SEAMS		REPAIR B	LIST	ERS or RIDGING	~	TILE RATING	6
	CLEA	AD D	OOF OF DEBRIS				REPAIR NEEDED			
			AIR SUSPECTED							
	DECK						ACE FASTENERS			
			RAZE CRACKING	✓			TLE MEMBRANE			
			(CESSIVE WEAR		BROKEN T	ILES	S - ONE CORNER	✓		
PITCH/POND	_		EPAIRS NEEDED						RATING	5
	F		PONDING AREAS				CK DEFLECTION			
			SOME PONDING	V	E	XCE	SSIVE PONDING			
FLASHING		DI	EPAIRS NEEDED						RATING	E
FLASHING			EAL/REPAIR ALL		DES	ΕΔΙ /	REPAIR SELECT		TILE RATING	5 8
			ECOAT AC DUCT		RESEAL/RECOAT WALL				TILL TATING	U
			WALL FLASHING				WALL FLASHING			
DRAINAGE			EPAIRS NEEDED				.,,		RATING	5
	ADD/E	ΞΝΗλ	ANCE CRICKETS		ADD/EN	IAH	NCE OVERFLOW			
			CLEAR DRAINS				ADD GUTTER			
	GUTT	ER I	REPAIR NEEDED		GUTTE	R C	DATING NEEDED			
PENETRATION		RI	EPAIRS NEEDED	\					RATING	5
		RES	EAL/REPAIR ALL	\	RES	EAL/	REPAIR SELECT			
		REP	LACE SKYLIGHT		RAISE HEIG	HT V	VHEN POSSIBLE			
ADDITIONAL		A	ACTION NEEDED							
			E ROOF ACCESS		ADD	EXT	ERNAL LADDER			
			EAD EQUIPMENT							
MAINTENANCE			P DRAINS CLEAN		KEEP	WAT	ERWAYS CLEAN			
			OOF OF DEBRIS		1.0	/A C I	TRIM TREES			
			MAT SUSPECTED				REPAIR NEEDED GUTTERS CLEAR			
LEAKS			ENCE OF LEAKS		YES					
					120		110			
VERY POOR	ON - OVERALL SY	OTE	VITATING		REPLACE OR C	ΩΔΤ		SPO.	T REPAIRS ONLY	
POOR									T REPAIRS ONLY	
					NEI LAGE OR (JUA			AT IN 3-5 YEARS	
FAIR										
MARGINAL		REPLACE OR COAT IN 5-10								

GOOD

EXCELLENT

WITH OVERALL REPAIRS THIS ROOF MAY LAST ANOTHER FIVE YEARS. MANY BLISTERS.

BUDGET ESTIMATES	
IMMEDIATE REPAIRS AS RECOMMENDED	UNDER CONTRACTORS WARRANTY
YEARLY PREVENTIVE MAINENANCE	\$1,500.00
ROOF RECOATING	\$0.00
ROOF REPLACEMENT	\$225,000.00

REPLACE OR COAT IN 10-15 YEARS

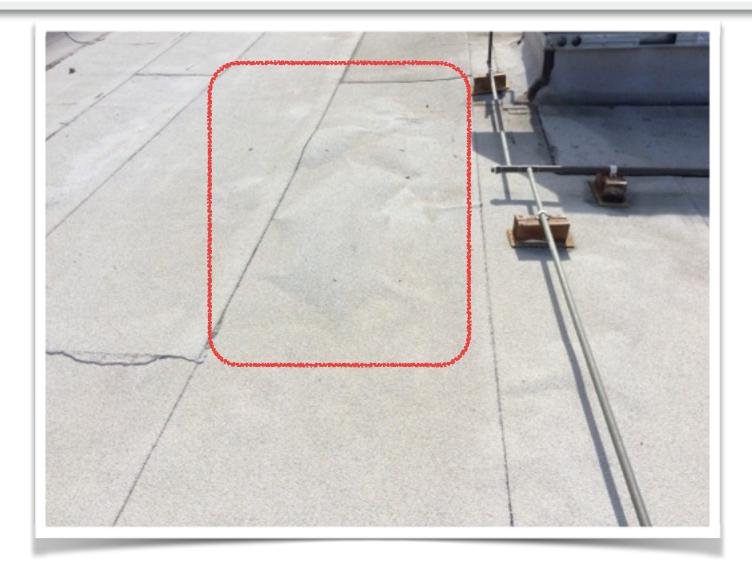




The photo below shows some broken tiles.



The photo below shows many blisters in need of repair.





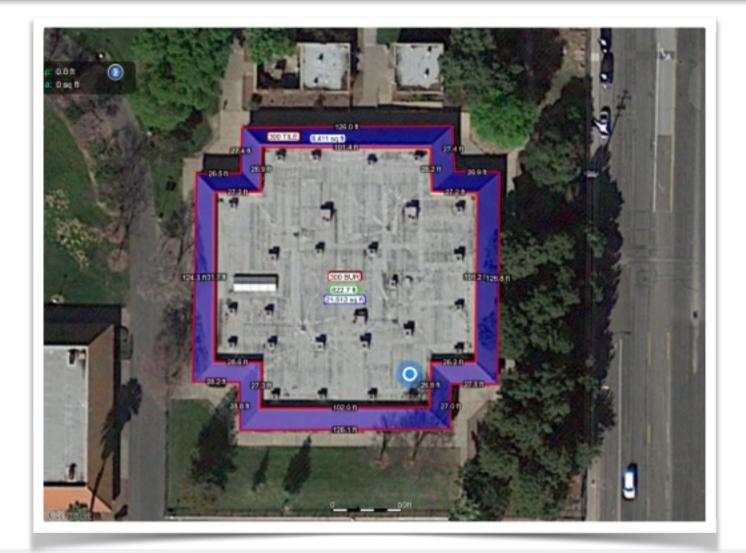


BUILDING	300							NGINEERIN	NG SERVICES FOR THE BUILDING ENVE	LOPE
ROOF SQ FT	21,500									
ROOF CONSTRU	JCTION									
ROOF AGE	BUR 2003	✓	0-5 YEARS		5-10 YEARS		10-15 YEARS		15+ YEARS	
DECK TYPE	METAL		PLYWOOD	✓	PLANK		CONCRETE		LW CONCRETE	
INSULATION	NONE	~	ISO		FIBER		PERLITE		STYRO	
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED	
MEMBRANE	CLAY TILE		SINGLE PLY		BUR		MOD BIT		TWO SYSTEMS	
MEM SURFACE	COATING		MS CAP		GRAVEL		SMOOTH		GRANULE	
FLASHINGS	CAPSHEET	_	HYPALON		CIVIVEE		OMOGITI		OI WITOLL	
DRAINAGE	BUR JOSAM		SCUPPERS		T GUTTERS		T OVER EDGE			
SLOPE	NONE		1:12		2:12		TILE 3:12	_	6:12	
	ON - RATINGS (1-1			AHOI	NS				DATING	#
FIELD			PAIRS NEEDED						RATING	2
			RESEAL SEAMS				STERS/RIDGING		TILE RATING	6
	CLEA	AR RO	OOF OF DEBRIS		DE	CK F	REPAIR NEEDED			
	DECK	REPA	IR SUSPECTED		RESEAL/F	RPLA	CE FASTENERS			
		CR	AZE CRACKING	⋖	I	3RIT	TLE MEMBRANE	✓		
		EX	CESSIVE WEAR	\checkmark			BROKEN TILES			
PITCH/POND		RE	PAIRS NEEDED						RATING	5
	F	ILL P	ONDING AREAS		FIX	(DE(CK DEFLECTION			
		5	SOME PONDING	⋖	Е	XCE	SSIVE PONDING			
FLASHING		RE	PAIRS NEEDED						RATING	5
		RESI	EAL/REPAIR ALL		RES	EAL/	REPAIR SELECT		TILE RATING	8
			COAT AC DUCT				L/RECOAT WALL			
	RESI		VALL FLASHING		LOC	DSE \	WALL FLASHING			
DRAINAGE	A D.D. //		PAIRS NEEDED		A D.D. (E.)		IOE OVERELOW		RATING	5
	ADD/E	:NHA	NCE CRICKETS		ADD/EI	NHAN	NCE OVERFLOW			
	CUTT	·CD C	CLEAR DRAINS		CUTTE	D CC	ADD GUTTER			
PENETRATION	GUTT		EPAIR NEEDED		GUITE	K CC	DATING NEEDED		RATING	3
FENETIVATION			EAL/REPAIR ALL		RES	ΕΔΙ /	REPAIR SELECT		NATING	3
			ACE SKYLIGHT				VHEN POSSIBLE			
					, , , , , , , , , , , , , , , , , , , ,					
ADDITIONAL		Α	CTION NEEDED							
	IMPF	ROVE	ROOF ACCESS		ADD	EXT	ERNAL LADDER			
	REMOV	E DE	AD EQUIPMENT							
MAINTENANCE	k	KEEP	DRAINS CLEAN		KEEP	WAT	ERWAYS CLEAN			
	SPOT RE	PAIR	UNTIL REROOF	4			TRIM TREES			
	CLEA	AR RO	OOF OF DEBRIS		HV	/AC F	REPAIR NEEDED			
	H	IAZM	AT SUSPECTED		KE	EP G	UTTERS CLEAR			
LEAKS	E	EVIDE	ENCE OF LEAKS		YES		NO	\		
ROOF CONDITIO	ON - OVERALL SY	STEN	1 RATING							
VERY POOR					REPLACE OR C	COAT	IMMEDIATELY -	SPO	T REPAIRS ONLY	✓
POOR					REPLACE OR (COAT	IN 1-2 YEARS -	SPO	T REPAIRS ONLY	
FAIR							REPLACE O	R CO	AT IN 3-5 YEARS	
MARGINAL							REPLACE OR	COA	AT IN 5-10 YEARS	
GOOD							REPLACE OR (COAT	IN 10-15 YEARS	

EXCELLENT

SO MANY BLISTERS AND SO MUCH RIDGING THAT THIS ROOF MAY FAIL AT ANY TIME.

BUDGET ESTIMATES	
IMMEDIATE REPAIRS AS RECOMMENDED	\$0.00
YEARLY PREVENTIVE MAINENANCE	\$1,500.00
ROOF RECOATING	\$0.00
ROOF REPLACEMENT	\$322,500.00

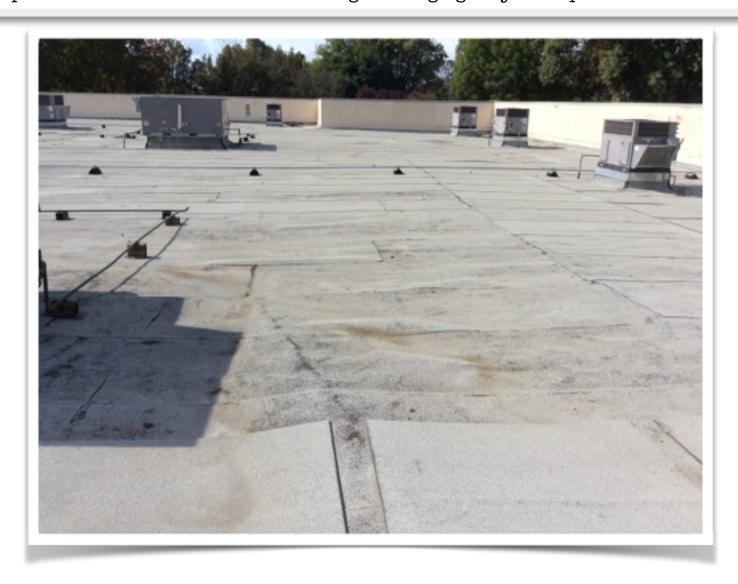




The photo below shows excessive membrane wear.



The photo below shows excessive blistering and ridging - beyond repair.





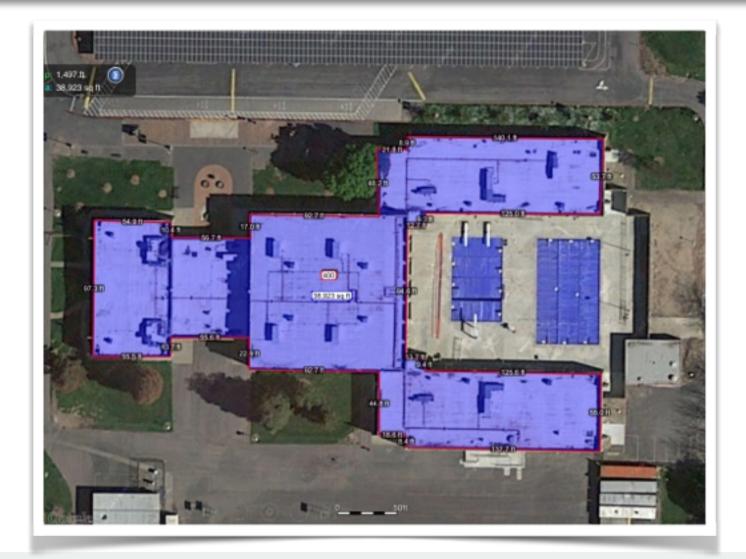


BUILDING	400						E	NGIVEERIN	IG SERVICES FOR THE BUILDING ENVE	LOPE		
ROOF SQ FT	39,000							_		9		
ROOF CONSTRU	JCTION											
ROOF AGE	BUR 2012	\checkmark	0-5 YEARS		5-10 YEARS		10-15 YEARS		15+ YEARS			
DECK TYPE	METAL		PLYWOOD	\checkmark	PLANK		CONCRETE		LW CONCRETE			
INSULATION	NONE	\checkmark	ISO		FIBER		PERLITE		STYRO			
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED			
MEMBRANE	CLAY TILE		SINGLE PLY		BUR	✓	MOD BIT		TWO SYSTEMS			
MEM SURFACE	COATING		MS CAP	✓	GRAVEL		SMOOTH		GRANULE			
FLASHINGS	CAPSHEET	\checkmark	HYPALON									
DRAINAGE	BUR JOSAM	⋖	SCUPPERS		T GUTTERS		T OVER EDGE					
SLOPE	NONE		1:12		2:12		TILE 3:12		6:12			
ROOF CONDITIO	DN - RATINGS (1-1	0) ar	nd RECOMMENDA	IOITA	NS					#		
FIELD	,		EPAIRS NEEDED						RATING	8		
			RESEAL SEAMS		REPAIR B	LIST	ERS or RIDGING					
	CI E/		OOF OF DEBRIS				REPAIR NEEDED					
			AIR SUSPECTED									
	DECK		RAZE CRACKING				ACE FASTENERS					
							TLE MEMBRANE					
			CESSIVE WEAR		В	ROK	EN TILES - 10-20		5.50.0			
PITCH/POND	_		EPAIRS NEEDED		EI)	, DE			RATING	8		
	F		ONDING AREAS SOME PONDING				CK DEFLECTION SSIVE PONDING					
		,	SOME PONDING			ACE	SSIVE PONDING					
FLASHING		RI	EPAIRS NEEDED						RATING	8		
LACTINO			EAL/REPAIR ALL		RES	FAI /	REPAIR SELECT		1001110			
			ECOAT AC DUCT				L/RECOAT WALL					
			WALL FLASHING				WALL FLASHING					
DRAINAGE		RI	EPAIRS NEEDED						RATING	8		
	ADD/E	ENHA	ANCE CRICKETS		ADD/EN	IAH	NCE OVERFLOW					
			CLEAR DRAINS				ADD GUTTER					
	GUTT	ER F	REPAIR NEEDED		GUTTE	R C	DATING NEEDED					
PENETRATION		RI	EPAIRS NEEDED						RATING	8		
		RES	EAL/REPAIR ALL		RES	EAL/	REPAIR SELECT					
		REP	LACE SKYLIGHT		RAISE HEIG	HT V	VHEN POSSIBLE					
ADDITIONAL	W 4D5		ACTION NEEDED		400							
			ROOF ACCESS		ADD	EXI	ERNAL LADDER					
MAINTENANCE			AD EQUIPMENT DRAINS CLEAN		KEED	\ \ /^T	ERWAYS CLEAN					
MAINTENANCE			UNTIL REROOF		KLLF	VVAI	TRIM TREES					
			OOF OF DEBRIS		Η\	/AC F	REPAIR NEEDED					
			IAT SUSPECTED				SUTTERS CLEAR					
LEAKS			ENCE OF LEAKS		YES		NO	_				
	ON - OVERALL SY				. = 0							
VERY POOR	N - OVERALE ST	JILI	WINATINO	-	REPLACE OR C	:OAT	· IMMEDIATELY - 9	SPO ⁻	T REPAIRS ONLY			
POOR							Γ IN 1-2 YEARS - S					
FAIR					THE LANGE ON		_		AT IN 3-5 YEARS			
MARGINAL									T IN 5-10 YEARS			
GOOD												
3000					REPLACE OR COAT IN 10-15 Y							

EXCELLENT

ROOF IS IN GREAT CONDITION.

	BUDGET ESTIMATES
\$0.00	IMMEDIATE REPAIRS AS RECOMMENDED
\$2,500.00	YEARLY PREVENTIVE MAINENANCE
\$0.00	ROOF RECOATING
\$585,000.00	ROOF REPLACEMENT

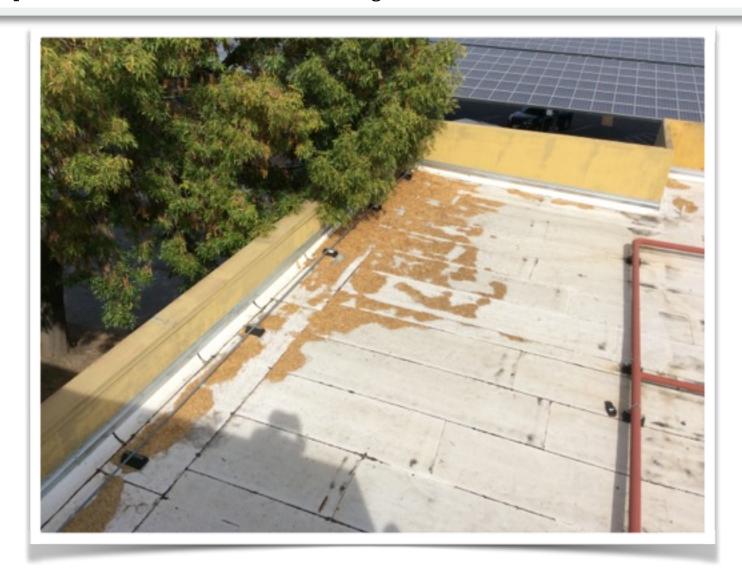




The photo below shows the system in good shape.



The photo below shows the need for trimming the trees.



BUILDING INFORMATION								
FACILITY	Yerba Buena HS							
DATE	October 14, 2014							
BUILDING	500							
ROOF SQ FT	14,000							
ROOF CONSTRU	JCTION							



BUILDING	500								ENGINEERING SERVICES FOR THE BUILDING ENVELOPE			
ROOF SQ FT	14,000							_				
ROOF CONSTRU	JCTION											
ROOF AGE	BUR 1995	⋖	0-5 YEARS		5-10 YEARS		10-15 YEARS		15+ YEARS	✓		
DECK TYPE	METAL		PLYWOOD	✓	PLANK		CONCRETE		LW CONCRETE			
INSULATION	NONE		ISO		FIBER		PERLITE		STYRO			
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED			
MEMBRANE	CLAY TILE	\	SINGLE PLY		BUR		MOD BIT		TWO SYSTEMS	✓		
MEM SURFACE	COATING		MS CAP	✓	GRAVEL		SMOOTH		GRANULE			
FLASHINGS	CAPSHEET	\	HYPALON									
DRAINAGE	BUR JOSAM	✓	SCUPPERS		T GUTTERS	✓	T OVER EDGE	✓				
SLOPE	NONE		1:12		2:12		TILE 3:12	✓	6:12			
ROOF CONDITIO	ON - RATINGS (1-1	(0) ar	nd RECOMMENDA	1OITA	NS					#		
FIELD			EPAIRS NEEDED		10	-		-	RATING	5		
TILLD			RESEAL SEAMS		EVOE991VI	- DL I	STERS/RIDGING		TILE RATING	7		
	OLE /						REPAIR NEEDED		TILL TO THE	•		
			OOF OF DEBRIS									
	DECK		AIR SUSPECTED				CE FASTENERS					
			RAZE CRACKING			3RIT	TLE MEMBRANE					
			CESSIVE WEAR				BROKEN TILES					
PITCH/POND	REPAIRS NEEDED								RATING	5		
	FILL PONDING AREAS				FIX DECK DEFLECTION EXCESSIVE PONDING							
		`	SOME PONDING		Ė	XCE	SSIVE PUNDING					
FLASHING	REPAIRS NEEDED								RATING	3		
LAGIIING			EAL/REPAIR ALL		RES	FAI /	REPAIR SELECT		TILE RATING			
			ECOAT AC DUCT				L/RECOAT WALL		1122 10 11 11 10			
	RESI	EAL \	WALL FLASHING	✓	LOOSE WALL FLASHING							
DRAINAGE		RE	PAIRS NEEDED						RATING	5		
	ADD/E	ENHA	NCE CRICKETS		ADD/ENHANCE OVERFLOW							
			CLEAR DRAINS		ADD GUTTER							
	GUTT	ER F	REPAIR NEEDED		GUTTER COATING NEEDED							
PENETRATION		RE	EPAIRS NEEDED	_					RATING	4		
			EAL/REPAIR ALL				REPAIR SELECT					
		REPI	LACE SKYLIGHT		RAISE HEIG	HT V	VHEN POSSIBLE					
ADDITIONAL		۸	CTION NEEDED									
ADDITIONAL	IMPE		ROOF ACCESS		ΔΠΠ	FYT	ERNAL LADDER					
			AD EQUIPMENT	_	7,00							
MAINTENANCE			DRAINS CLEAN		KEEP	WAT	ERWAYS CLEAN					
	SPOT RE	PAIR	UNTIL REROOF				TRIM TREES					
	CLEA	AR R	OOF OF DEBRIS		H\	/AC F	REPAIR NEEDED					
	H	HAZM	AT SUSPECTED		KE	EP G	UTTERS CLEAR					
LEAKS	E	EVIDE	ENCE OF LEAKS		YES		NO	√				
ROOF CONDITIO	ON - OVERALL SY	STEN	M RATING									
VERY POOR					REPLACE OR C	COAT	IMMEDIATELY -	SPO	Γ REPAIRS ONLY			
POOR					REPLACE OR (COAT	Γ IN 1-2 YEARS -	SPO	Γ REPAIRS ONLY			
FAIR							REPLACE O	R CO	AT IN 3-5 YEARS	S		
MARGINAL							REPLACE OR	COA	T IN 5-10 YEARS			
					NEI LAGE ON GOAT IN 3-10 TEAR							

GOOD

ADDITIONAL NOTES

THIS ROOF HAS AGED WELL - WITH SOME OVERALL SYSTEM REPAIR THE ROOF MAY LAST A FEW MORE YEARS. THE WALLS AND WALL FLASHINGS ARE IN BAD SHAPE HOWEVER.

IMMEDIATE REPAIRS AS RECOMMENDED	\$10,000.00
YEARLY PREVENTIVE MAINENANCE	\$1,500.00
ROOF RECOATING	\$0.00
ROOF REPLACEMENT	\$210,000.00

REPLACE OR COAT IN 10-15 YEARS





The photo below shows excessive wear on the walls - some plywood replacement needed.



The photo below shows penetration corner sealant is needed.





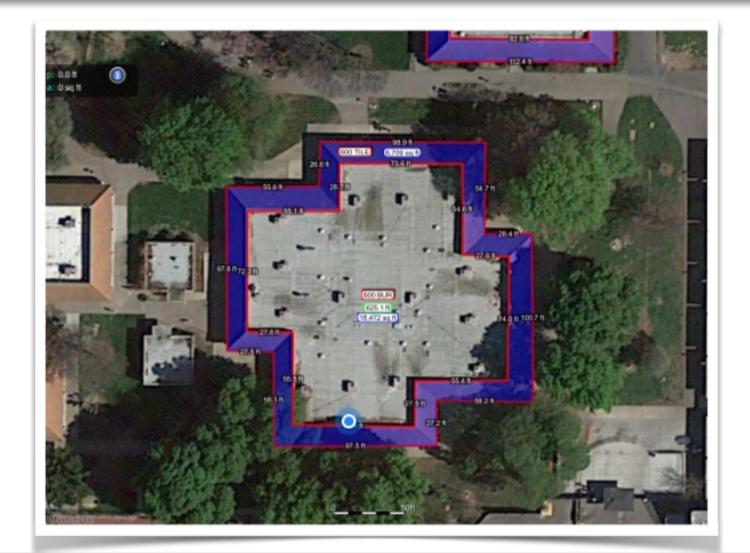


BUILDING	600						E	VGIVEERI	NG SERVICES FOR THE BUILDING ENVE	LOPE
ROOF SQ FT	19,000							_		
ROOF CONSTRU	JCTION									
ROOF AGE	BUR 1999	\	0-5 YEARS		5-10 YEARS		10-15 YEARS		15+ YEARS	\
DECK TYPE	METAL		PLYWOOD		PLANK		CONCRETE		LW CONCRETE	
INSULATION	NONE	✓	ISO		FIBER		PERLITE		STYRO	
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED	
MEMBRANE	CLAY TILE	~	SINGLE PLY		BUR	~	MOD BIT		TWO SYSTEMS	~
MEM SURFACE	COATING		MS CAP		GRAVEL		SMOOTH		GRANULE	
FLASHINGS	CAPSHEET		HYPALON							
DRAINAGE	BUR JOSAM	_	SCUPPERS		T GUTTERS		T OVER EDGE	✓		
SLOPE	NONE		1:12		2:12		TILE 3:12	_	6:12	
							1122 0:12		0.12	
ROOF CONDITIO	ON - RATINGS (1-1	(0) ar	nd RECOMMENDA	ATIOI	NS					#
FIELD		RI	EPAIRS NEEDED						RATING	3
			RESEAL SEAMS		MANY	/ BLI	STERS/RIDGING	✓	TILE RATING	7
	CLEA	AR R	OOF OF DEBRIS		DE	CK I	REPAIR NEEDED			
	DECK	REP	AIR SUSPECTED		RESEAL/F	RPLA	ACE FASTENERS			
		CF	RAZE CRACKING	\	Ī	3RIT	TLE MEMBRANE	\		
		ΕX	CESSIVE WEAR	~			BROKEN TILES			
PITCH/POND		RI	EPAIRS NEEDED						RATING	3
	F	ILL F	ONDING AREAS	✓	FIX	(DE	CK DEFLECTION			
			SOME PONDING		E	XCE	SSIVE PONDING	✓		
FLASHING		RI	EPAIRS NEEDED						RATING	3
		RES	EAL/REPAIR ALL		RES	EAL/	REPAIR SELECT		TILE RATING	7
	RESEA	AL/RI	ECOAT AC DUCT		RE	SEA	L/RECOAT WALL			
	RES	EAL	WALL FLASHING		LOC	DSE '	WALL FLASHING			
DRAINAGE			EPAIRS NEEDED						RATING	4
	ADD/E	ENHA	ANCE CRICKETS	✓	ADD/EN	1AH/	NCE OVERFLOW			
			CLEAR DRAINS				ADD GUTTER			
DENIETDATION	GUII		REPAIR NEEDED		GUITE	RCC	DATING NEEDED		DATING	
PENETRATION			EPAIRS NEEDED		DEC	□ ∧ ι /			RATING	3
			EAL/REPAIR ALL LACE SKYLIGHT				REPAIR SELECT WHEN POSSIBLE			
			SHINGS FAILING	V	NAISE TIEIG	III V	WIEN FOSSIBLE			
ADDITIONAL	D/ (OL		ACTION NEEDED							
7.0011101010	IMPF		E ROOF ACCESS		ADD	EXT	ERNAL LADDER			
			AD EQUIPMENT							
MAINTENANCE			P DRAINS CLEAN		KEEP	WAT	ERWAYS CLEAN			
	SPOT RE	PAIR	UNTIL REROOF				TRIM TREES	✓		
	CLEA	AR R	OOF OF DEBRIS		HV	/AC F	REPAIR NEEDED			
	F	HAZN	1AT SUSPECTED		KE	EP G	GUTTERS CLEAR			
LEAKS	E	EVID	ENCE OF LEAKS		YES		NO	4		
ROOF CONDITIO	ON - OVERALL SY	STE	M RATING							
VERY POOR					REPLACE OR C	COAT	IMMEDIATELY - S	SPO	T REPAIRS ONLY	
POOR					REPLACE OR (COA	Γ IN 1-2 YEARS - S	SPO	T REPAIRS ONLY	✓
FAIR							REPLACE OF	R CO	OAT IN 3-5 YEARS	
MARGINAL							REPLACE OR	COA	AT IN 5-10 YEARS	
GOOD							REPLACE OR C	COAT	Γ IN 10-15 YEARS	

EXCELLENT

TOO MUCH TO REPAIR. BUDGET TO REPLACE IN A YEAR OR TWO.

	BUDGET ESTIMATES
\$0.00	IMMEDIATE REPAIRS AS RECOMMENDED
\$1,500.00	YEARLY PREVENTIVE MAINENANCE
\$0.00	ROOF RECOATING
\$285,000.00	ROOF REPLACEMENT





The photo below shows a large blister - this roof has many.



The photo below shows the base flashing failing.







BUILDING	700						E	N (G I N E E R I N IG SERVICES FOR THE BUILDING ENVE	LOPE
ROOF SQ FT	14,000							_		
ROOF CONSTRU	JCTION									
ROOF AGE	BUR 2012	\	0-5 YEARS		5-10 YEARS		10-15 YEARS		15+ YEARS	
DECK TYPE	METAL		PLYWOOD	\	PLANK		CONCRETE		LW CONCRETE	
INSULATION	NONE		ISO		FIBER		PERLITE		STYRO	
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED	
MEMBRANE	CLAY TILE	4	SINGLE PLY		BUR	4	MOD BIT		TWO SYSTEMS	
MEM SURFACE	COATING		MS CAP	~	GRAVEL		SMOOTH		GRANULE	
FLASHINGS	CAPSHEET	S	HYPALON							
DRAINAGE	BUR JOSAM	~	SCUPPERS		T GUTTERS	✓	T OVER EDGE	✓		
SLOPE	NONE		1:12		2:12		TILE 3:12	⋖	6:12	
ROOF CONDITIO	ON - RATINGS (1-1	0) ar	nd RECOMMENDA	OITA	NS					#
FIELD			EPAIRS NEEDED			_		_	RATING	8
			RESEAL SEAMS		REPAIR B	LIST	ERS or RIDGING		TILE RATING	6
	CI E		OOF OF DEBRIS				REPAIR NEEDED			
			AIR SUSPECTED				CE FASTENERS			
	BEOK		RAZE CRACKING							
							TLE MEMBRANE			
DITOLI/DOND			CESSIVE WEAR		В	ROK	EN TILES - 10-20	✓	DATINIO	7
PITCH/POND	_		EPAIRS NEEDED		ΓIX	/ DE/	CK DEFLECTION		RATING	7
	Г		ONDING AREAS SOME PONDING				SSIVE PONDING			
		,	SOME I ONDING		_	XOL.	SSIVE I ONDING			
FLASHING		RI	EPAIRS NEEDED	7	✓				RATING	7
	RESEAL/REPAIR ALL				RES	EAL/	REPAIR SELECT		TILE RATING	8
	RESEA	AL/RI	ECOAT AC DUCT		RESEAL/RECOAT WALL					
	RES	EAL	WALL FLASHING		LOOSE CAP FLASHING					
DRAINAGE		RI	EPAIRS NEEDED						RATING	8
	ADD/E	ENHA	ANCE CRICKETS		ADD/EN	1AH	NCE OVERFLOW			
			CLEAR DRAINS				ADD GUTTER			
	GUTT	ER F	REPAIR NEEDED		GUTTE	R CC	DATING NEEDED			_
PENETRATION			EPAIRS NEEDED						RATING	8
			EAL/REPAIR ALL				REPAIR SELECT			
		REP	LACE SKYLIGHT		RAISE HEIG	ні ۷	VHEN POSSIBLE			
ADDITIONAL		_	ACTION NEEDED							
ADDITIONAL	IMPF		ROOF ACCESS		ADD	FXT	ERNAL LADDER			
			AD EQUIPMENT		, 133	_, .				
MAINTENANCE	k	KEEP	DRAINS CLEAN		KEEP	WAT	ERWAYS CLEAN			
	SPOT RE	PAIR	UNTIL REROOF				TRIM TREES			
	CLEA	AR R	OOF OF DEBRIS		HV	/AC F	REPAIR NEEDED			
	H	IAZN	IAT SUSPECTED		KE	EP G	UTTERS CLEAR	4		
LEAKS	E	EVIDI	ENCE OF LEAKS		YES		NO	✓		
ROOF CONDITIO	ON - OVERALL SY	STE	M RATING							
VERY POOR					REPLACE OR C	COAT	IMMEDIATELY - S	SPOT	FREPAIRS ONLY	
POOR					REPLACE OR (COAT	Γ IN 1-2 YEARS - S	SPOT	Γ REPAIRS ONLY	
FAIR							REPLACE OF	R CO	AT IN 3-5 YEARS	
MARGINAL							REPLACE OR	COA	T IN 5-10 YEARS	
GOOD							REPLACE OR C	COAT	IN 10-15 YEARS	✓
EXCELLENT					O	NLY	IF ROOF IS LESS	THA	AN 5 YEARS OLD	
ADDITIONAL NO	TES									

TILE CORNER/RIDGE TOP TILE MISSING ON ALL CORNERS - FRAME DETERIORATION PRESENT.

BUDGET ESTIMATES	
IMMEDIATE REPAIRS AS RECOMMENDED	\$0.00
YEARLY PREVENTIVE MAINENANCE	\$1,500.00
ROOF RECOATING	\$0.00
ROOF REPLACEMENT	\$210,000.00





The photo below shows some missing tiles.



The photo below shows the wall cap flashing in need of repair.







BUILDING	900						Ě	NGIVEERIN	IG SERVICES FOR THE BUILDING ENVE	LOPE
ROOF SQ FT	7,000							_		
ROOF CONSTRU	JCTION									
ROOF AGE	BUR 2008	⋖	0-5 YEARS		5-10 YEARS		10-15 YEARS		15+ YEARS	⋖
DECK TYPE	METAL		PLYWOOD	\	PLANK		CONCRETE		LW CONCRETE	
INSULATION	NONE	⋖	ISO		FIBER		PERLITE		STYRO	
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED	
MEMBRANE	CLAY TILE	⋖	SINGLE PLY		BUR	✓	MOD BIT		TWO SYSTEMS	✓
MEM SURFACE	COATING	✓	MS CAP	✓	GRAVEL		SMOOTH	✓	GRANULE	
FLASHINGS	CAPSHEET	V	HYPALON							
DRAINAGE	BUR JOSAM	V	SCUPPERS		T GUTTERS	~	T OVER EDGE	~		
SLOPE	NONE		1:12		2:12		TILE 3:12	~	6:12	
BOOF CONDITIO										#
	ON - RATINGS (1-1			\(\)	NS				RATING	8
FIELD			PAIRS NEEDED							
			RESEAL SEAMS				ERS or RIDGING		TILE RATING	8
			OF OF DEBRIS		DE	:CK I	REPAIR NEEDED			
	DECK I	REPA	IR SUSPECTED		RESEAL/F	RPLA	CE FASTENERS			
		CRA	AZE CRACKING		I	BRIT	TLE MEMBRANE			
		EXC	CESSIVE WEAR		В	ROK	EN TILES - 10-20			
PITCH/POND		RE	PAIRS NEEDED	⋖					RATING	6
	F	ILL PO	ONDING AREAS	✓	FIX	(DE	CK DEFLECTION			
		S	OME PONDING		E	XCE	SSIVE PONDING			
FLASHING	REPAIRS NEEDED								RATING	8
	RESEAL/REPAIR ALL						REPAIR SELECT L/RECOAT WALL		TILE RATING	8
			COAT AC DUCT							
DRAINAGE	RESI		VALL FLASHING PAIRS NEEDED		LC)USE	E CAP FLASHING		RATING	5
DIVAINAGE	ADD/F		NCE CRICKETS	V	ADD/FI	NAHI	NCE OVERFLOW		NATING	J
	7,0072		CLEAR DRAINS		, (88/2)	VI 17 VI	ADD GUTTER			
	GUTT		EPAIR NEEDED		GUTTE	R CC	DATING NEEDED			
PENETRATION		RE	PAIRS NEEDED						RATING	8
		RESE	AL/REPAIR ALL		RES	EAL/	REPAIR SELECT			
		REPL	ACE SKYLIGHT		RAISE HEIG	HT V	VHEN POSSIBLE			
ADDITIONAL		A	CTION NEEDED							
	IMPR	ROVE	ROOF ACCESS		ADD	EXT	ERNAL LADDER			
	REMOV	E DEA	AD EQUIPMENT							
MAINTENANCE	K	EEP	DRAINS CLEAN		KEEP	WAT	ERWAYS CLEAN			
			UNTIL REROOF				TRIM TREES			
			OF OF DEBRIS				REPAIR NEEDED			
			AT SUSPECTED				SUTTERS CLEAR			
LEAKS	E	VIDE	NCE OF LEAKS		YES		NO	•		
	ON - OVERALL SYS	STEM	RATING							
VERY POOR							IMMEDIATELY - S			
POOR					REPLACE OR (COAT	Γ IN 1-2 YEARS - \$	SPO	TREPAIRS ONLY	
FAIR							REPLACE OF	R CO	AT IN 3-5 YEARS	
MARGINAL							REPLACE OR	COA	T IN 5-10 YEARS	
GOOD									IN 10-15 YEARS	
EXCELLENT					C	NLY	IF ROOF IS LESS	TH/	AN 5 YEARS OLD	

TILE SYSTEM IS IN GOOD SHAPE. INADEQUATE CRICKETS HAS LED TO EXTENSIVE PONDING.

BUDGET ESTIMATES	
IMMEDIATE REPAIRS AS RECOMMENDED	\$3,000.00
YEARLY PREVENTIVE MAINENANCE	\$1,500.00
ROOF RECOATING	\$0.00
ROOF REPLACEMENT	\$105,000.00

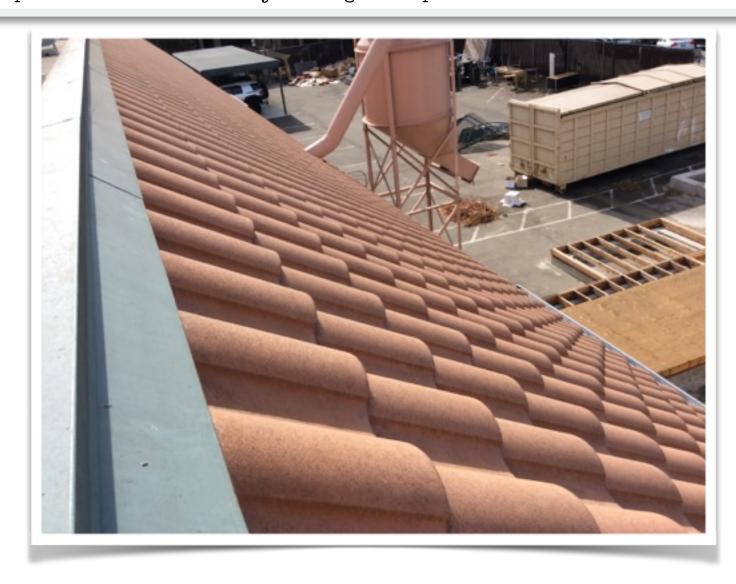




The photo below shows extensive ponding.



The photo below shows the tile system in good shape.







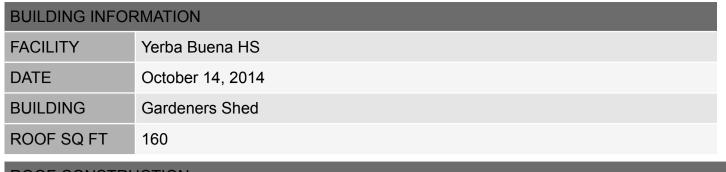
BUILDING	Stadium Ancillary						E	NGIVEERIN	G I N E E R I N NG SERVICES FOR THE BUILDING ENVI	G ELOPE
ROOF SQ FT	300							_		
ROOF CONSTRU	JCTION									
ROOF AGE	2006	4	0-5 YEARS		5-10 YEARS		10-15 YEARS		15+ YEARS	
DECK TYPE	METAL		PLYWOOD	~	PLANK		CONCRETE		LW CONCRETE	
INSULATION	NONE	✓	ISO		FIBER		PERLITE		STYRO	
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED	
MEMBRANE	SHINGLE	~	SINGLE PLY		BUR		MOD BIT		TWO SYSTEMS	
MEM SURFACE	COATING		MS CAP		GRAVEL		SMOOTH		GRANULE	
FLASHINGS	CAPSHEET		HYPALON							
DRAINAGE	BUR JOSAM		SCUPPERS		GUTTERS		OVER EDGE	-		
SLOPE	SLIGHT		1:12		2:12		3:12	✓	6:12	
ROOF CONDITIO	ON - RATINGS (1-1	0) ar	nd RECOMMENDA	OITA	NS					#
FIELD		RE	EPAIRS NEEDED						RATING	7
			RESEAL SEAMS		REPAIR B	LIST	ERS or RIDGING			
	CL EA		OOF OF DEBRIS				REPAIR NEEDED			
			AIR SUSPECTED				CE FASTENERS			
	BESIX		RAZE CRACKING							
							TLE MEMBRANE			
DITOLUDOND			CESSIVE WEAR		LA	ARGE	HOLE IN ROOF		DATING	0
PITCH/POND	_		EPAIRS NEEDED		EIX	/ DE/	OK DEEL FOTION		RATING	8
	F		ONDING AREAS SOME PONDING				CK DEFLECTION SSIVE PONDING			
		•	SOME PONDING			AUE	SSIVE PONDING			
FLASHING	REPAIRS NEEDED								RATING	6
1 L/ (Of III C	RESEAL/REPAIR ALL				RES	EAL/I	REPAIR SELECT		1001110	
			ECOAT AC DUCT				_/RECOAT WALL			
	RES	EAL \	WALL FLASHING		REPI	_ACE	FRONT FASCIA	✓		
DRAINAGE		RE	EPAIRS NEEDED						RATING	8
	ADD/E	ENHA	ANCE CRICKETS		ADD/EN	NHAN	ICE OVERFLOW			
			CLEAR DRAINS				ADD GUTTER			
	GUTT	ER F	REPAIR NEEDED		GUTTE	R CC	ATING NEEDED			
PENETRATION		RE	EPAIRS NEEDED						RATING	7
		RES	EAL/REPAIR ALL		RES	EAL/I	REPAIR SELECT			
		REP	LACE SKYLIGHT		RAISE HEIG	HT V	HEN POSSIBLE			
ADDITIONAL	11.405		CTION NEEDED		455	- \	EDMAL LADDED			
			ROOF ACCESS		ADD	EXI	ERNAL LADDER			
MAINTENANCE			AD EQUIPMENT DRAINS CLEAN		KEED	۱۸/ΔΤ۱	ERWAYS CLEAN			
MAINTENANCE			UNTIL REROOF		IXEEI	VV/	TRIM TREES			
			OOF OF DEBRIS		HV	/AC F	REPAIR NEEDED			
			IAT SUSPECTED				UTTERS CLEAR			
LEAKS	E	EVIDE	ENCE OF LEAKS		YES		NO	_		
ROOF CONDITIO	ON - OVERALL SY	STEN	M RATING		_		_			
VERY POOR					REPLACE OR C	COAT	IMMEDIATELY - S	SPO	T REPAIRS ONLY	
POOR					REPLACE OR (COAT	IN 1-2 YEARS - S	SPO	T REPAIRS ONLY	
FAIR							REPLACE OF	R CO	OAT IN 3-5 YEARS	
MARGINAL									AT IN 5-10 YEARS	
GOOD									IN 10-15 YEARS	V
EXCELLENT					C	NLY			AN 5 YEARS OLD	

FRONT WOOD FASCIA BOARD SHOULD BE REPLACED IN THE NEXT YEAR OR TWO.

BUDGET ESTIMATES	
IMMEDIATE REPAIRS AS RECOMMENDED	\$1,000.00
YEARLY PREVENTIVE MAINENANCE	\$0.00
ROOF RECOATING	\$0.00
ROOF REPLACEMENT	\$6,000.00









BUILDING	Gardeners Sned							NGIVEERIN	IG SERVICES FOR THE BUILDING ENVE	ELOPE
ROOF SQ FT	160							_		
ROOF CONSTRU	JCTION									
ROOF AGE	UNKOWN		0-5 YEARS		5-10 YEARS		10-15 YEARS	⋖	15+ YEARS	
DECK TYPE	METAL		PLYWOOD	✓	PLANK		CONCRETE		LW CONCRETE	
INSULATION	NONE	~	ISO		FIBER		PERLITE		STYRO	
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED	
MEMBRANE	CLAY TILE		SINGLE PLY		BUR	✓	MOD BIT		TWO SYSTEMS	
MEM SURFACE	COATING		MS CAP	~	GRAVEL		SMOOTH		GRANULE	
FLASHINGS	CAPSHEET		HYPALON							
DRAINAGE	BUR JOSAM		SCUPPERS		GUTTERS		OVER EDGE	~		
SLOPE	SLIGHT		1:12		2:12		3:12		6:12	
DOOE CONDITIO										#
	ON - RATINGS (1-1			AHOI	NO .				RATING	
FIELD		R	EPAIRS NEEDED						RATING	
			RESEAL SEAMS				ERS or RIDGING			
			OOF OF DEBRIS		DE	CK F	REPAIR NEEDED			
	DECK	REP	AIR SUSPECTED		RESEAL/F	RPLA	CE FASTENERS			
		CF	RAZE CRACKING		ŀ	3RIT	TLE MEMBRANE			
		E	CESSIVE WEAR		LA	ARGE	E HOLE IN ROOF	✓		
PITCH/POND		R	EPAIRS NEEDED						RATING	5
	F	ILL F	PONDING AREAS		FIX	(DE	CK DEFLECTION			
			SOME PONDING		Е	XCE	SSIVE PONDING			
FLASHING			EPAIRS NEEDED						RATING	5
			EAL/REPAIR ALL				REPAIR SELECT			
			ECOAT AC DUCT				L/RECOAT WALL			
DDAINIAGE	RES		WALL FLASHING		LC	OSE	CAP FLASHING		DATING	-
DRAINAGE	4DD/I		EPAIRS NEEDED ANCE CRICKETS		ADD/EN	ЛΗΔΝ	NCE OVERFLOW		RATING	5
	ADDI	_1311/	CLEAR DRAINS		ADD/LI	NI IZ	ADD GUTTER			
	GUTT	ER I	REPAIR NEEDED		GUTTE	R CC	DATING NEEDED			
PENETRATION			EPAIRS NEEDED						RATING	_
	1	RES	EAL/REPAIR ALL		RES	EAL/	REPAIR SELECT			
		REP	LACE SKYLIGHT		RAISE HEIG	HT V	VHEN POSSIBLE			
ADDITIONAL		F	ACTION NEEDED							
	IMPF	ROVE	ROOF ACCESS		ADD	EXT	ERNAL LADDER			
	REMOV	E DE	EAD EQUIPMENT							
MAINTENANCE	ŀ	KEEF	P DRAINS CLEAN		KEEP	WAT	ERWAYS CLEAN			
			R UNTIL REROOF				TRIM TREES			
			OOF OF DEBRIS				REPAIR NEEDED			
LEAVO			MAT SUSPECTED				SUTTERS CLEAR			
LEAKS			ENCE OF LEAKS		YES	<u> </u>	NO			
	ON - OVERALL SY	STE	M RATING					0.5		
VERY POOR									T REPAIRS ONLY	
POOR					REPLACE OR (COAT			T REPAIRS ONLY	⋖
FAIR									AT IN 3-5 YEARS	
MARGINAL							REPLACE OR	COA	T IN 5-10 YEARS	

GOOD

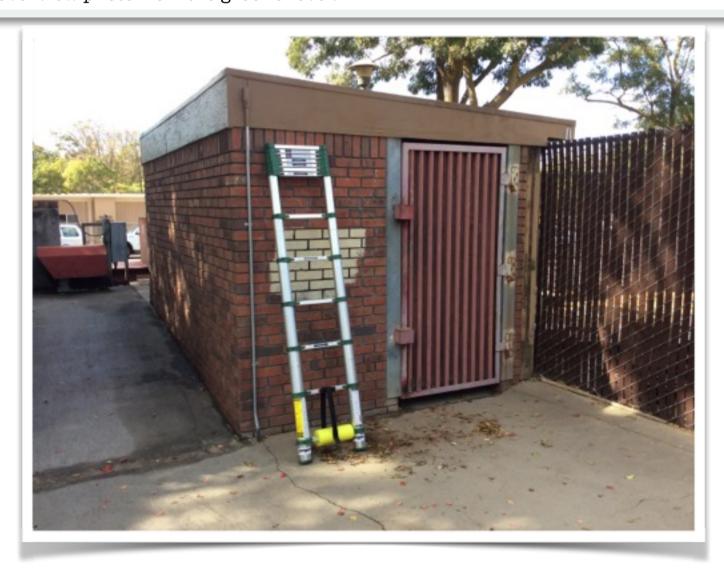
EXCELLENT

THIS IS SO SMALL - WHENEVER A NEW ROOF IS PUT ON ANOTHER BUILDING ON CAMPUS, HAVE THE CONTRACTOR ADD THIS TO THE SCOPE. FIX THE HOLE AND REROOF.

BUDGET ESTIMATES	
IMMEDIATE REPAIRS AS RECOMMENDED	\$0.00
YEARLY PREVENTIVE MAINENANCE	\$0.00
ROOF RECOATING	\$0.00
ROOF REPLACEMENT	\$3,200.00

REPLACE OR COAT IN 10-15 YEARS





An overview photo from the roof level.



The large hole has simply been covered with a piece of plywood.







BUILDING	Portables P1-P4						Ē	N (G I N E E R I N IG SERVICES FOR THE BUILDING ENVE	G ELOPE
ROOF SQ FT	4,400							_		
ROOF CONSTRU	JCTION									
ROOF AGE	UNKNOWN		0-5 YEARS		5-10 YEARS		10-15 YEARS	✓	15+ YEARS	
DECK TYPE	METAL		PLYWOOD	✓	PLANK		CONCRETE		LW CONCRETE	
INSULATION	NONE	✓	ISO		FIBER		PERLITE		STYRO	
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED	
MEMBRANE	METAL SS	✓	SINGLE PLY		BUR		MOD BIT		TWO SYSTEMS	
MEM SURFACE	GALVINIZED	✓	MS CAP		GRAVEL		SMOOTH		GRANULE	
FLASHINGS	CAPSHEET		HYPALON							
DRAINAGE	JOSAM		SCUPPERS		GUTTERS	~	OVER EDGE			
SLOPE	SLIGHT	✓	1:12		2:12		3:12		6:12	
ROOF CONDITIO	DN - RATINGS (1-1	0) ar	nd RECOMMENDA	OITA	NS					#
FIELD			EPAIRS NEEDED						RATING	
TILLD			RESEAL SEAMS		DEDAID D	LICT	ERS or RIDGING			
							REPAIR NEEDED			
			OOF OF DEBRIS							
	DECK		AIR SUSPECTED				CE FASTENERS			
			RAZE CRACKING		[3RIT	TLE MEMBRANE			
		EX	CESSIVE WEAR		MEMBRAN	IE FI	BERS EXPOSED			
PITCH/POND			PAIRS NEEDED						RATING	7
	F		ONDING AREAS				CK DEFLECTION			
			SOME PONDING		E	XCE:	SSIVE PONDING			
FLASHING									DATING	6
FLASHING	REPAIRS NEEDED				DEC	=	REPAIR SELECT		RATING	6
	RESEAL/REPAIR ALL RESEAL/RECOAT AC DUCT						AT EDGE FLASH			
			WALL FLASHING				CE FASTENERS			
DRAINAGE	11201		EPAIRS NEEDED			_, _,	OL THOTEINE		RATING	6
	ADD/E		NCE CRICKETS		ADD/EN	NHAN	NCE OVERFLOW			
			CLEAR DRAINS		ADD GUTTER					
	GUTT	ER F	REPAIR NEEDED		GUTTE	R CC	DATING NEEDED			
PENETRATION		RE	EPAIRS NEEDED						RATING	-
		RES	EAL/REPAIR ALL		RES	EAL/	REPAIR SELECT			
		REP	LACE SKYLIGHT		RAISE HEIG	HT V	VHEN POSSIBLE			
ADDITIONAL		A	CTION NEEDED							
			ROOF ACCESS		ADD	EXT	ERNAL LADDER			
			AD EQUIPMENT		.,					
MAINTENANCE			DRAINS CLEAN		KEEP	WAI	ERWAYS CLEAN			
			UNTIL REROOF OOF OF DEBRIS		LA	/A C F	TRIM TREES REPAIR NEEDED			
			AT SUSPECTED				SUTTERS CLEAR			
LEAKS			ENCE OF LEAKS		YES		NO	_		
					120		140			
VERY POOR	ON - OVERALL SY	o I El\	TRAING		REDI ACE OR C	· OAT	IMMEDIATELY - S	SPOT	L DEDVIDS OVII A	
POOR							IN 1-2 YEARS - S			
					NEFLACE UK (JUAI				
FAIR MARGINAL									AT IN 3-5 YEARS T IN 5-10 YEARS	-
GOOD									IN 10-15 YEARS	
EXCELLENT						NI Y	IF ROOF IS LESS			
ADDITIONAL NO	TES					1461		1/5	1 0 1 L/ 11 (O OLD	

KEEP THE GUTTER CLEAR. CONSIDER COATING WITHIN A FEW YEARS - CLOSER TO FIVE.

	BUDGET ESTIMATES
\$0.00	IMMEDIATE REPAIRS AS RECOMMENDED
\$500.00	YEARLY PREVENTIVE MAINENANCE
\$44,000.00	ROOF RECOATING
\$0.00	ROOF REPLACEMENT







The photo below shows the need to keep the gutters clean and clear.



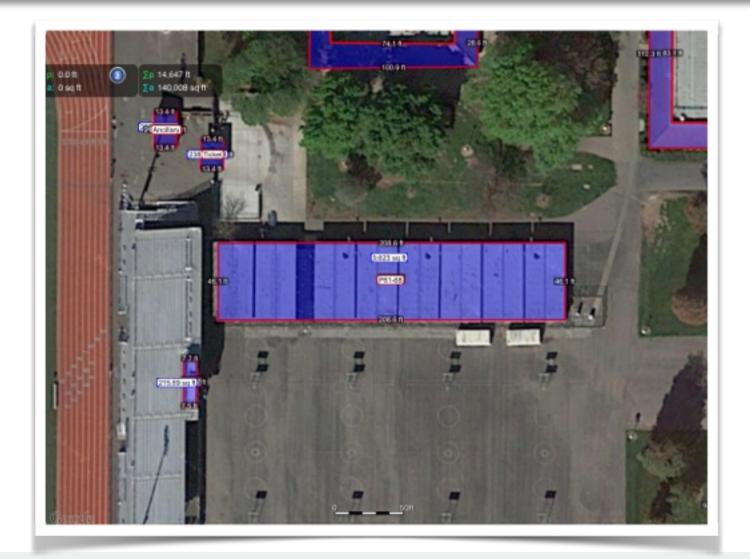




BUILDING	Portables P61-P68							E N G I N E E R I N G ENGINEERING SERVICES FOR THE BUILDING ENVELOPE		
ROOF SQ FT	9,000							NUMEERI	IS SERVICES FOR THE DUILDING ENVE	ELUPE
ROOF CONSTRU	JCTION									
ROOF AGE	UNKNOWN		0-5 YEARS		5-10 YEARS		10-15 YEARS	✓	15+ YEARS	
DECK TYPE	METAL		PLYWOOD	~	PLANK		CONCRETE		LW CONCRETE	
INSULATION	NONE	~	ISO		FIBER		PERLITE		STYRO	
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED	
MEMBRANE	METAL SS	_	SINGLE PLY		BUR		MOD BIT		TWO SYSTEMS	
MEM SURFACE	GALVINIZED		MS CAP		GRAVEL		SMOOTH		GRANULE	
FLASHINGS	CAPSHEET		HYPALON							
DRAINAGE	JOSAM		SCUPPERS		GUTTERS		OVER EDGE			
SLOPE	SLIGHT		1:12		2:12		3:12		6:12	
_							0.12		0.12	
	DN - RATINGS (1-1			ATIOI	NS				7.17110	#
FIELD		RI	EPAIRS NEEDED						RATING	6
			RESEAL SEAMS		REPAIR B	LIST	ERS or RIDGING			
	CLEA	AR R	OOF OF DEBRIS		DE	CK F	REPAIR NEEDED			
	DECK	REPA	AIR SUSPECTED		RESEAL/F	RPLA	CE FASTENERS			
		CF	RAZE CRACKING		E	3RIT	TLE MEMBRANE			
		EX	CESSIVE WEAR		MEMBRAN	IE FI	BERS EXPOSED			
PITCH/POND		RI	EPAIRS NEEDED						RATING	7
	F	ILL F	ONDING AREAS		FIX	(DE	CK DEFLECTION			
		,	SOME PONDING		E	XCE	SSIVE PONDING			
FLASHING		REPAIRS NEEDED							RATING	6
		RES	EAL/REPAIR ALL		RES	EAL/	REPAIR SELECT			
	RESEAL/RECOAT AC DUCT			RESEAL/R	ECO	AT EDGE FLASH				
	RES	RESEAL WALL FLASHING			RI	EPLA	CE FASTENERS			_
DRAINAGE	REPAIRS NEEDED								RATING	6
	ADD/ENHANCE CRICKETS				ADD/EN	IAH	NCE OVERFLOW			
	CUTT	CLEAR DRAINS			ADD GUTTER GUTTER COATING NEEDED					
PENETRATION	ION GUTTER REPAIR NEEDED REPAIRS NEEDED				GUTTER COATING NEEDED				RATING	
TENETIMION			EAL/REPAIR ALL		RES	FAI/	REPAIR SELECT		IVATINO	
		REPLACE SKYLIGHT			RESEAL/REPAIR SELECT RAISE HEIGHT WHEN POSSIBLE					
			_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
ADDITIONAL		A	ACTION NEEDED							
	IMPF	ROVE	ROOF ACCESS		ADD	EXT	ERNAL LADDER			
	REMOV	E DE	AD EQUIPMENT							
MAINTENANCE	k	KEEP	DRAINS CLEAN		KEEP	WAT	ERWAYS CLEAN			
	SPOT RE	PAIR	UNTIL REROOF				TRIM TREES			
	CLEA	AR R	OOF OF DEBRIS		HV	/AC F	REPAIR NEEDED			
	F	HAZN	IAT SUSPECTED		KEEP	SS G	UTTERS CLEAR	✓		
LEAKS	E	EVIDI	ENCE OF LEAKS		YES		NO	\checkmark		
ROOF CONDITIO	ON - OVERALL SY	STE	M RATING							
VERY POOR					REPLACE OR C	COAT	IMMEDIATELY -	SPO	T REPAIRS ONLY	
POOR					REPLACE OR (COAT	IN 1-2 YEARS -	SPO ⁻	T REPAIRS ONLY	
FAIR		REPLACE OR COAT IN 3-5 YEARS								
MARGINAL		REPLACE OR COAT IN 5-10 YEARS						\checkmark		
GOOD					REPLACE OR (COAT	IN 10-15 YEARS			
EXCELLENT					O	NLY	IF ROOF IS LESS	S THA	AN 5 YEARS OLD	
ADDITIONAL NO	TES									

KEEP THE GUTTER CLEAR. CONSIDER COATING WITHIN A FEW YEARS - CLOSER TO FIVE.

BUDGET ESTIMATES	
IMMEDIATE REPAIRS AS RECOMMENDED	\$0.00
YEARLY PREVENTIVE MAINENANCE	\$500.00
ROOF RECOATING	\$90,000.00
ROOF REPLACEMENT	\$0.00



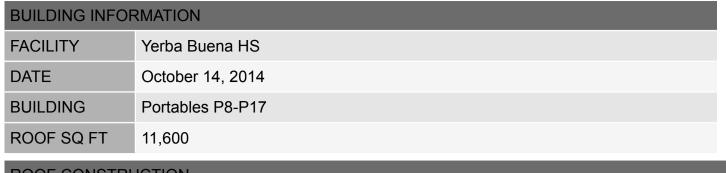


An overview photo from the roof level.



The photo below shows the surface in good shape - no signs of rust.







BUILDING	Portables P8-P17						E		G I N E E K I N NG SERVICES FOR THE BUILDING ENVE	ELOPE
ROOF SQ FT	11,600							_		
ROOF CONSTRU	JCTION									
ROOF AGE	UNKNOWN		0-5 YEARS		5-10 YEARS		10-15 YEARS	\	15+ YEARS	
DECK TYPE	METAL		PLYWOOD	\checkmark	PLANK		CONCRETE		LW CONCRETE	
INSULATION	NONE	\	ISO		FIBER		PERLITE		STYRO	
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED	
MEMBRANE	METAL SS		SINGLE PLY		BUR		MOD BIT		TWO SYSTEMS	
MEM SURFACE	GALVINIZED	~	MS CAP		GRAVEL		SMOOTH		GRANULE	
FLASHINGS	CAPSHEET		HYPALON							
DRAINAGE	JOSAM		SCUPPERS		GUTTERS	\	OVER EDGE			
SLOPE	SLIGHT		1:12		2:12		3:12		6:12	
ROOF CONDITIO	ON - RATINGS (1-1	0) ar	d RECOMMENDA	OITA	NS					#
FIELD		RE	PAIRS NEEDED						RATING	6
			RESEAL SEAMS		REPAIR B	LIST	ERS or RIDGING			
	CLEA	AR R	OOF OF DEBRIS		DE	CK F	REPAIR NEEDED			
	DECK	REPA	AIR SUSPECTED		RESEAL/F	RPLA	CE FASTENERS			
	CRAZE CRACKING					3RIT	TLE MEMBRANE			
	EXCESSIVE WEAR				MEMBRAN	IE FI	BERS EXPOSED			
PITCH/POND		RE	PAIRS NEEDED						RATING	7
	FILL PONDING AREAS				FIX	(DE(CK DEFLECTION			1
	SOME PONDING				Е	XCE	SSIVE PONDING			
FLASHING	REPAIRS NEEDED								RATING	3
	RESEAL/REPAIR ALL				RES	EAL/	REPAIR SELECT			
	RESEA	AL/RE	ECOAT AC DUCT		RESEAL/R	/RECOAT EDGE FLASH		✓		
	RES		WALL FLASHING		RI	EPLA	CE FASTENERS	✓		
DRAINAGE	4 D.D.//		EPAIRS NEEDED		4 D.D./EA		105 0)/5051 0)4/		RATING	5
	ADD/E	:NHA	NCE CRICKETS CLEAR DRAINS		ADD/EI	NHAI	ADD GUTTER			
	GUTT	ER E	REPAIR NEEDED		GUTTE	R CC	DATING NEEDED			
PENETRATION	0011		EPAIRS NEEDED						RATING	_
			EAL/REPAIR ALL		RESEAL/REPAIR SELECT					
		REP	ACE SKYLIGHT		RAISE HEIGHT WHEN POSSIBLE					
ADDITIONAL		Д	CTION NEEDED							
	IMPF	ROVE	ROOF ACCESS		ADD	EXT	ERNAL LADDER			
	REMOV	E DE	AD EQUIPMENT							
MAINTENANCE			DRAINS CLEAN		KEEP	WAT	ERWAYS CLEAN			
			UNTIL REROOF				TRIM TREES			
			OOF OF DEBRIS				REPAIR NEEDED			
LEAKS			AT SUSPECTED			SS G	UTTERS CLEAR	_		
LEAKS			ENCE OF LEAKS		YES		NO	•		
	ON - OVERALL SY	STEN	RATING		DEDLACE OD C			200		
VERY POOR									T REPAIRS ONLY T REPAIRS ONLY	
POOR					NEFLACE UK (JUAI			AT IN 3-5 YEARS	
FAIR										
MARGINAL							REPLACE OR	COA	T IN 5-10 YEARS	

REPLACE OR COAT IN 5-10 YEARS MARGINAL GOOD REPLACE OR COAT IN 10-15 YEARS **EXCELLENT** ONLY IF ROOF IS LESS THAN 5 YEARS OLD

ADDITIONAL NOTES

PERIMETER AND RIDGE FASTENERS ARE FAILING AND NEED TO BE REPLACED AND RESEALED. BECAUSE THIS IS PART OF A METAL RECOATING SCOPE, IT MIGHT BE ADVANTAGEOUS TO WAIT AND DO IT ALL TOGETHER AS A RECOATING JOB.

	BUDGET ESTIMATES
\$10,000.00	IMMEDIATE REPAIRS AS RECOMMENDED
\$1,000.00	YEARLY PREVENTIVE MAINENANCE
\$116,000.00	ROOF RECOATING
\$0.00	ROOF REPLACEMENT

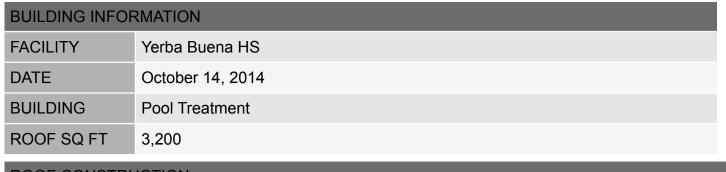






The photo below shows the fasteners failing and the flashing rusting.







ROOF SQ FT 3,200	BUILDING	Pool Treatment							NGINEERI	G I N E E R I N NG SERVICES FOR THE BUILDING ENVI	G
ROOF AGE BUR 1995 0 S YEARS 5-10 YEARS 10.15 YEARS 15+ YEARS	ROOF SQ FT	3,200								TO CENTRED FOR THE DUESTION CHIE	LLOY L
DECK TYPE METAL PLYWOOD PLANK CONCRETE LW CONCRETE INSULATION NONE ISO FIBER PERLITE STYRO INSULATION NONE ISO FIBER PERLITE STYRO INSULATION MEMBRANE CLAYTLE SINGLE PLY BUR MOD BIT TWO SYSTEMS MEMBRANE CLAYTLE SINGLE PLY BUR MOD BIT TWO SYSTEMS MEMBRANE CAPSHET MYPALON GRANULE INTO SYSTEMS TO SERVER TWO SHOULD FRESHED TO SERVER TWO SHOULD FRESHED TO SERVER THE STYRO SYSTEMS OF THE STRUCK STRUC	ROOF CONSTRU	JCTION									
INSULATION NONE	ROOF AGE	BUR 1995	⋖	0-5 YEARS		5-10 YEARS		10-15 YEARS		15+ YEARS	
INSULTHICK 1 INCH 2 INCH 3 INCH 4 INCH TAPERED MEMBRANE CLAYTILE SINGLE PLY MEM SURPACE COATING MS CAP GRAVEL SMOOTH GRANULE FLASHINGS CAPSHET HYPALON DRAINAGE BUR JOSAM SCUPPERS T GUTTERS T OVER EDGE SLOPE SLIGHT 112 212 TILE 3.12 6.12 ROOF CONDITION - RATINGS (1-10) and RECOMMENDATIONS FIELD REPAIRS NEEDED CLEAR ROOF OF DEBRIS DECK REPAIR SUSPECTED RESEAL SEAMS EXCESSIVE BLISTERS/RIDGING CLEAR ROOF OF DEBRIS DECK REPAIR NEEDED FILL PONDING AREAS FIX DECK DEFLECTION SOME PONDING FILL PONDING AREAS FIX DECK DEFLECTION SOME PONDING FRESEAL/REPAIR ALL RESEAL/REPAIR ALL RESEAL/REPAIR ALL RESEAL/REPAIR SELECT RESEAL/REPAIR ALL RESEAL/REPAIR SELECT RESEAL/REPAIR SELECT RESEAL/REPAIR NEEDED DADIENHANCE CRICKETS ADDIENHANCE CRICKETS ADDIENHANCE CRICKETS ADDIENHANCE CRICKETS ADDIENHANCE CRICKETS ADDIENHANCE CRICKETS ADDIENHANCE OVERFLOW REPLACE SKYLIGHT REPLACE SKYLIGHT RATING 4 RESEAL/REPAIR ALL RESEAL/REPAIR SELECT REPLACE SKYLIGHT RATING 14 RESEAL/REPAIR NEEDED ADDIENHANCE REPLACE SKYLIGHT RATING 15 RATING 14 RESEAL/REPAIR NEEDED CLEAR ROOF OF DEBRIS RATING 14 RESEAL/REPAIR NEEDED MAINTENANCE REPLACE SKYLIGHT RASISE HEIGHT WHEN POSSIBLE ADDITIONAL ACTION NEEDED CLEAR ROOF OF DEBRIS RATING 14 RESEAL/REPAIR NEEDED RATING 14 RESEAL/REPAIR NEEDED RATING 14 RESEAL/REPAIR NEEDED RATING 14 RESEAL/REPAIR NEEDED RATING 15 RATING 14 RESEAL/REPAIR NEEDED RATING 15 RATING 14 RESEAL/REPAIR NEEDED RATING 15 RATING 15 RATING 15 RATING 16 RATING 17 REPLACE OR COAT IN THE TREASH IN THE	DECK TYPE	METAL		PLYWOOD	⋖	PLANK		CONCRETE		LW CONCRETE	
MEMBRANE CLAYTILE SINGLE PLY BUR MOD BIT TWO SYSTEMS MEM SURFACE COATING MS CAP GRAVEL SMOOTH CRANULE FLASHINGS CAPSHEET MYPALON TOUTHER SINGLE PLY SMOOTH CRANULE FLASHINGS CAPSHEET MYPALON TOUTHER SINGLE PLY SMOOTH CRANULE FLASHINGS CAPSHEET MYPALON TOUTHER SINGLE PLY SMOOTH CRANULE SLOPE SLIGHT SINGLE PLY SMOOTH PLY SMOOT	INSULATION	NONE	⋖	ISO		FIBER		PERLITE		STYRO	
MEM SURFACE COATING MS CAP	INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED	
FLASHINGS CAPSHEET	MEMBRANE	CLAY TILE		SINGLE PLY		BUR	✓	MOD BIT		TWO SYSTEMS	
DRAINAGE BUR JOSAM SCUPPERS TOUTIERS TOVER EDGE SLOPE SLIGHT 1:12 2:12 TILE 3:12 6:12 SLOPE SLIGHT 1:12 2:12 TILE 3:12 6:12 SLOPE SLIGHT 1:12 2:12 TILE 3:12 6:12 TILE 3:12 TILE 3:12 6:12 TILE 3:12 TILE 3:12 TILE 3:12 6:12 TILE 3:12	MEM SURFACE	COATING		MS CAP	✓	GRAVEL		SMOOTH		GRANULE	
SLOPE SLIGHT 1:12 2:12 TILE 3:12 6:12 1 ROOF CONDITION - RATINGS (1-10) and RECOMMENDATIONS # # # # # # # # # # # # # # # # # # #	FLASHINGS	CAPSHEET	✓	HYPALON							
FIELD REPAIRS NEEDED RESEAUREPAIR SELECT RESEAUREPAIR SELECT REPAIRS NEEDED GUTTER COATINO NEEDED GUTTER COATINO NEEDED GUTTER CATINO NEEDED GUTTER COATINO NEEDED GUTTER COATINO NEEDED GUTTER CATINO NEEDED GUTTER COATINO NEEDED GUTTER COATINO NEEDED GUTTER CATINO NEEDED GUTTER COATINO NEEDED GUTTER COATINO NEEDED GUTTER CATINO NEEDED GUTTER COATINO NEEDED GUTTER COATINO NEEDED GUTTER CATINO NEEDED GUTTER COATINO NE	DRAINAGE	BUR JOSAM	✓	SCUPPERS		T GUTTERS		T OVER EDGE			
FIELD REPAIRS NEEDED RESEAUREPAIR NEEDED DECK REPAIR NEEDED DECK REPAIR SUSPECTED RESEAUREPAIR NEEDED DECK REPAIR SUSPECTED RESEAURPLACE FASTENERS RETITLE MEMBRANE EXCESSIVE WEAR BROKEN TILES RATING 5 FILL PONDING AREAS FIX DECK DEFLECTION SOME PONDING EXCESSIVE PONDING RESEAUREPAIR SELECT RESEAUREPAIR SELECT RESEAUREPAIR SELECT RESEAUREPAIR SELECT RESEAURE PAIR ALL RESEAURE COAT AC DUCT RESEAURE COAT WALL RESEAURE PAIR NEEDED ADDIENHANCE CRICKETS ADDIENHANCE COVERFLOW RETITED TO SUSPENDED REPAIRS NEEDED GUTTER COATING NEEDED RESEAUREPAIR ALL REPAIR NEEDED GUTTER COATING NEEDED RESEAUREPAIR NEEDED GUTTER COATING NEEDED RESEAUREPAIR ALL REPAIR NEEDED GUTTER COATING NEEDED RESEAUREPAIR SELECT RESEAUREPAIR SELECT REPAIR NEEDED GUTTER COATING NEEDED RESEAUREPAIR SELECT REPAIR NEEDED FENETHALL ADDER ADDIENNAME SELECT REPAIR NEEDED FENETHALL ADDIENNAME SELECT RESEAUREPAIR SELEC	SLOPE	SLIGHT	✓	1:12		2:12		TILE 3:12		6:12	
FIELD REPAIRS NEEDED RESEAUREPAIR NEEDED DECK REPAIR NEEDED DECK REPAIR SUSPECTED RESEAUREPAIR NEEDED DECK REPAIR SUSPECTED RESEAURPLACE FASTENERS RETITLE MEMBRANE EXCESSIVE WEAR BROKEN TILES RATING 5 FILL PONDING AREAS FIX DECK DEFLECTION SOME PONDING EXCESSIVE PONDING RESEAUREPAIR SELECT RESEAUREPAIR SELECT RESEAUREPAIR SELECT RESEAUREPAIR SELECT RESEAURE PAIR ALL RESEAURE COAT AC DUCT RESEAURE COAT WALL RESEAURE PAIR NEEDED ADDIENHANCE CRICKETS ADDIENHANCE COVERFLOW RETITED TO SUSPENDED REPAIRS NEEDED GUTTER COATING NEEDED RESEAUREPAIR ALL REPAIR NEEDED GUTTER COATING NEEDED RESEAUREPAIR NEEDED GUTTER COATING NEEDED RESEAUREPAIR ALL REPAIR NEEDED GUTTER COATING NEEDED RESEAUREPAIR SELECT RESEAUREPAIR SELECT REPAIR NEEDED GUTTER COATING NEEDED RESEAUREPAIR SELECT REPAIR NEEDED FENETHALL ADDER ADDIENNAME SELECT REPAIR NEEDED FENETHALL ADDIENNAME SELECT RESEAUREPAIR SELEC	ROOF CONDITIO	N - RATINGS (1-1	0) ar	nd RECOMMENDA	TIOI	NS.					#
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DECK REPAIR SUSPECTED RESEAL/RPLACE FASTENERS CAZE CRACKING BRITTLE MEMBRANE EXCESSIVE WEAR BROKEN TILES PROKEN THE MEMBRANE EXCESSIVE PONDING EXCESSIVE PONDING PROMING PR		01.5									
CRAZE CRACKING BRITTLE MEMBRANE EXCESSIVE WEAR BROKEN TILES PITCHIPOND REPAIRS NEEDED SOME PONDING AREAS FIX DECK DEFLECTION SOME PONDING EXCESSIVE PONDING EXCESSIVE PONDING PONDING EXCESSIVE PONDING FIX DECK DEFLECTION EXCESSIVE PONDING PONDING EXCESSIVE PONDING PATTING A RESEAL/REPAIR SELECT RESEAL/REPAIR ALL RESEAL/REPAIR SELECT RESEAL/RECOAT AC DUCT RESEAL/RECOAT WALL RESEAL/REPAIR NEEDED DECLAR DADJENHANCE OVERFLOW CLEAR DRAINS ADD GUTTER GUTTER GUTTER REPAIR NEEDED GUTTER COATING NEEDED PENETRATION REPAIRS NEEDED RESEAL/REPAIR SELECT RESEAL/REPAIR SELECT REPAIR SELECT REPAIR SELECT REPAIR SELECT RAISE HEIGHT WHEN POSSIBLE PATTING A RESEAL/REPAIR SELECT REPAIR SELECT											
EXCESSIVE WEAR BROKEN TILES PITCH/POND REPAIRS NEEDED RATING 5 FILL PONDING AREAS FIX DECK DEFLECTION SOME PONDING REPAIRS NEEDED FILL PONDING RESEAUREPONDING RECESSIVE PONDING RESEAUREPONDING RATING 5 ADD/ENHANCE OVERFLOW ADD/ENHANCE OVERFLOW ADD/ENHANCE OVERFLOW ADD/ENHANCE OVERFLOW RATING 5 CLEAR PONDING RESEAUREPONDING RESEAUREP		DECK									
PITCH/POND REPAIRS NEEDED FILL PONDING AREAS FIX DECK DEFLECTION SOME PONDING RESEAUREPAIRS NEEDED FLASHING RESEAUREPAIRS NEEDED RESEAUREPAIR ALL RESEAUREPAIR ALL RESEAUREPAIR ALL RESEAUREPAIR ALL RESEAUREPAIR SELECT RESEAURECOAT AC DUCT RESEAURECOAT WALL RESEAUREPAIR NEEDED ADD/ENHANCE OF CRETS CLEAR DRAINS GUTTER REPAIRS NEEDED PENETRATION REPAIRS NEEDED RESEAUREPAIR NEEDED PENETRATION REPAIRS NEEDED RESEAUREPAIR ALL REPLACE OR COAT IN 5-10 YEARS REPLACE OR COAT IN 10-15 YEARS						I	3RIT				
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HAZMAT SUSPECTED KEEP GUTTERS CLEAR LEAKS EVIDENCE OF LEAKS YES NO ROOF CONDITION - OVERALL SYSTEM RATING VERY POOR REPLACE OR COAT IMMEDIATELY - SPOT REPAIRS ONLY POOR REPLACE OR COAT IN 1-2 YEARS - SPOT REPAIRS ONLY FAIR REPLACE OR COAT IN 3-5 YEARS MARGINAL REPLACE OR COAT IN 5-10 YEARS GOOD REPLACE OR COAT IN 10-15 YEARS									_		
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ROOF CONDITION - OVERALL SYSTEM RATING VERY POOR REPLACE OR COAT IMMEDIATELY - SPOT REPAIRS ONLY POOR REPLACE OR COAT IN 1-2 YEARS - SPOT REPAIRS ONLY REPLACE OR COAT IN 3-5 YEARS MARGINAL REPLACE OR COAT IN 5-10 YEARS GOOD REPLACE OR COAT IN 10-15 YEARS		H	IAZN	IAT SUSPECTED		KEEP GUTTERS CLEAR					
VERY POOR REPLACE OR COAT IMMEDIATELY - SPOT REPAIRS ONLY POOR REPLACE OR COAT IN 1-2 YEARS - SPOT REPAIRS ONLY FAIR REPLACE OR COAT IN 3-5 YEARS MARGINAL REPLACE OR COAT IN 5-10 YEARS GOOD REPLACE OR COAT IN 10-15 YEARS	LEAKS	E	EVIDI	ENCE OF LEAKS		YES		NO	~		
POOR REPLACE OR COAT IN 1-2 YEARS - SPOT REPAIRS ONLY FAIR REPLACE OR COAT IN 3-5 YEARS MARGINAL REPLACE OR COAT IN 5-10 YEARS GOOD REPLACE OR COAT IN 10-15 YEARS	ROOF CONDITIO	ON - OVERALL SY	STE	M RATING							
FAIR REPLACE OR COAT IN 3-5 YEARS MARGINAL REPLACE OR COAT IN 5-10 YEARS GOOD REPLACE OR COAT IN 10-15 YEARS	VERY POOR					REPLACE OR C	COAT	IMMEDIATELY -	SPO	T REPAIRS ONLY	
MARGINAL GOOD REPLACE OR COAT IN 5-10 YEARS REPLACE OR COAT IN 10-15 YEARS	POOR					REPLACE OR (COAT	Γ IN 1-2 YEARS -	SPO	T REPAIRS ONLY	
GOOD REPLACE OR COAT IN 10-15 YEARS	FAIR							REPLACE O	R CC	OAT IN 3-5 YEARS	⋖
	MARGINAL							REPLACE OR	COA	AT IN 5-10 YEARS	
EXCELLENT ONLY IF ROOF IS LESS THAN 5 YEARS OLD	GOOD							REPLACE OR	COAT	IN 10-15 YEARS	
	EXCELLENT					C	NLY	IF ROOF IS LES	S TH	AN 5 YEARS OLD	

THESE ROOFS HAVE AGED WELL - WITH SOME OVERALL SYSTEM REPAIR THE ROOFS MAY LAST A FEW MORE YEARS.

BUDGET ESTIMATES	
IMMEDIATE REPAIRS AS RECOMMENDED	\$4,500.00
YEARLY PREVENTIVE MAINENANCE	\$1,500.00
ROOF RECOATING	\$0.00
ROOF REPLACEMENT	\$48,000.00





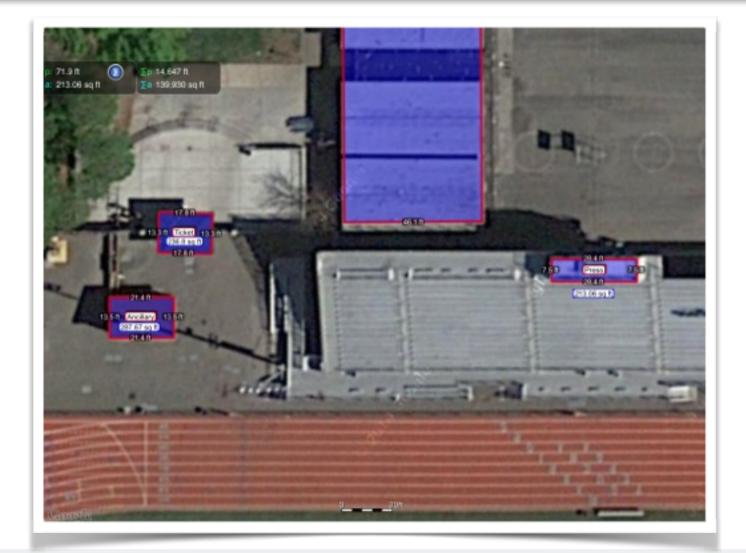
BUILDING INFORMATION									
Yerba Buena HS									
October 14, 2014									
Press Box									
210									



BUILDING	Press Box						E	NGIVEERIN	G I N E E R I N NG SERVICES FOR THE BUILDING ENVI	ELOPE
ROOF SQ FT	210							_		
ROOF CONSTRU	JCTION									
ROOF AGE	2006	✓	0-5 YEARS		5-10 YEARS		10-15 YEARS		15+ YEARS	
DECK TYPE	METAL	✓	PLYWOOD		PLANK		CONCRETE		LW CONCRETE	
INSULATION	NONE	~	ISO		FIBER		PERLITE		STYRO	
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED	
MEMBRANE	SHINGLE		SINGLE PLY		BUR		MOD BIT		TWO SYSTEMS	
MEM SURFACE	COATING		MS CAP		GRAVEL		SMOOTH		GRANULE	
FLASHINGS	CAPSHEET		HYPALON		0.0.0.22		333111		0.0.0.022	
DRAINAGE					CUTTERS		OVER EDGE	-		
SLOPE	BUR JOSAM		SCUPPERS		GUTTERS				6:10	
SLOPE	SLIGHT	•	1:12		2:12		3:12		6:12	
ROOF CONDITIO	DN - RATINGS (1-1				NS 					#
FIELD		RE	PAIRS NEEDED						RATING	8
			RESEAL SEAMS		REPAIR B	LIST	ERS or RIDGING			
	CLEA	AR RO	OOF OF DEBRIS		DE	CK F	REPAIR NEEDED			
	DECK I	REPA	AIR SUSPECTED		RESEAL/F	RPLA	CE FASTENERS			
		CR	AZE CRACKING		E	3RIT	TLE MEMBRANE			
		EX	CESSIVE WEAR		POW	/ER \	WASH SURFACE	~		
PITCH/POND		RE	PAIRS NEEDED						RATING	8
	F		ONDING AREAS		FIX	(DE(CK DEFLECTION		7011110	
			SOME PONDING	EXCESSIVE PONDING						
FLASHING	REPAIRS NEEDED								RATING	8
	RESEAL/REPAIR ALL				RES	EAL/	REPAIR SELECT			
	RESEAL/RECOAT AC DUCT				RE	SEA	L/RECOAT WALL			
	RESI	EAL \	WALL FLASHING		LOOSE CAP FLASH					
DRAINAGE		RE	PAIRS NEEDED						RATING	8
	ADD/E	ENHA	NCE CRICKETS		ADD/E	1AH	NCE OVERFLOW			
			CLEAR DRAINS				ADD GUTTER			
	GUTT	ER F	REPAIR NEEDED		GUTTE	R CC	DATING NEEDED			
PENETRATION		RE	EPAIRS NEEDED	\checkmark					RATING	5
		RESI	EAL/REPAIR ALL		RES	EAL/	REPAIR SELECT			
		REPI	LACE SKYLIGHT		RAISE HEIGHT WHEN POSSIBLE					
	RESEA	AL HA	ATCH FLASHING	✓						
ADDITIONAL		Α	CTION NEEDED							
			ROOF ACCESS		ADD	EXT	ERNAL LADDER			
			AD EQUIPMENT							
MAINTENANCE			DRAINS CLEAN		KEEP WATERWAYS CLEAN					
			UNTIL REROOF		TRIM TREES					
			OOF OF DEBRIS		HVAC REPAIR NEEDED KEEP GUTTERS CLEAR					
LEAKS			AT SUSPECTED ENCE OF LEAKS		YES	EPG	NO	_		
					TES		NO			
	ON - OVERALL SY:	STEN	RATING		DEDLACE OF C	·			T DEDAIDO ONIN	
VERY POOR									T REPAIRS ONLY	
POOR					KEPLACE OR (JUA1			T REPAIRS ONLY	
FAIR									OAT IN 3-5 YEARS	
MARGINAL									AT IN 5-10 YEARS	
GOOD									IN 10-15 YEARS	
EXCELLENT					C	NLY	IF ROOF IS LESS	5 THA	AN 5 YEARS OLD	
ADDITIONAL NO	TES									

TIME TO RESEAL THE HATCH FLASHING. POWER WASHING THE SURFACE WOULD PROLONG THE COATING.

BUDGET ESTIMATES	
IMMEDIATE REPAIRS AS RECOMMENDED	\$500.00
YEARLY PREVENTIVE MAINENANCE	\$0.00
ROOF RECOATING	\$0.00
ROOF REPLACEMENT	\$4,200.00









BUILDING	Boys Rest, Girls Rest (near 200), Boys Rest, Girls Rest (near 600)								E N G I N E E R I N G ENGINEERING SERVICES FOR THE BUILDING ENVELOPE		
ROOF SQ FT	3,200							_		-	
ROOF CONSTRU	JCTION										
ROOF AGE	BUR 1995	\checkmark	0-5 YEARS		5-10 YEARS		10-15 YEARS		15+ YEARS		
DECK TYPE	METAL		PLYWOOD	~	PLANK		CONCRETE		LW CONCRETE		
INSULATION	NONE	✓	ISO		FIBER		PERLITE		STYRO		
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED		
MEMBRANE	CLAY TILE		SINGLE PLY		BUR	⋖	MOD BIT		TWO SYSTEMS		
MEM SURFACE	COATING		MS CAP	✓	GRAVEL		SMOOTH		GRANULE		
FLASHINGS	CAPSHEET	✓	HYPALON								
DRAINAGE	BUR JOSAM	✓	SCUPPERS		T GUTTERS		T OVER EDGE				
SLOPE	SLIGHT	\checkmark	1:12		2:12		TILE 3:12		6:12		
ROOF CONDITIO	DN - RATINGS (1-1	0) an	d RECOMMENDA	OITA	NS					#	
FIELD		RE	PAIRS NEEDED			_		_	RATING	5	
			RESEAL SEAMS		EXCESSIVE	BLI	STERS/RIDGING				
	CL E4		OOF OF DEBRIS				REPAIR NEEDED				
			AIR SUSPECTED				CE FASTENERS				
	BEOK		AZE CRACKING								
			CESSIVE WEAR		ľ	DKII	TLE MEMBRANE				
DITCH/DOND							BROKEN TILES		DATING	_	
PITCH/POND	_		EPAIRS NEEDED ONDING AREAS		EIV	/ DE/	CK DEFLECTION		RATING	5	
	r		SOME PONDING				SSIVE PONDING				
			DOME I CINDING		_	XOL.	SOIVE T SINDING				
FLASHING	REPAIRS NEEDED								RATING	4	
	RESEAL/REPAIR ALL				RES	EAL/	REPAIR SELECT				
	RESEAL/RECOAT AC DUCT				RE	SEA	L/RECOAT WALL				
	RESI	EAL \	WALL FLASHING		LOOSE WALL FLASHING						
DRAINAGE		RE	PAIRS NEEDED						RATING	5	
	ADD/E	ENHA	NCE CRICKETS		ADD/EN	1AH	NCE OVERFLOW				
			CLEAR DRAINS				ADD GUTTER				
	GUTT		REPAIR NEEDED		GUTTE	R CC	DATING NEEDED				
PENETRATION			PAIRS NEEDED	_					RATING	4	
			EAL/REPAIR ALL		RESEAL/REPAIR SELECT RAISE HEIGHT WHEN POSSIBLE						
		KEPI	ACE SKYLIGHT		KAISE HEIG	нιν	WHEN POSSIBLE				
ADDITIONAL		Δ	CTION NEEDED								
/ DDITION L	IMPF		ROOF ACCESS		ADD	EXT	ERNAL LADDER				
			AD EQUIPMENT				D DRAIN CAGES	✓			
MAINTENANCE	k	ŒEP	DRAINS CLEAN		KEEP	WAT	ERWAYS CLEAN				
	SPOT RE	PAIR	UNTIL REROOF				TRIM TREES	\checkmark			
	CLEA	AR RO	OOF OF DEBRIS		HV	/AC F	REPAIR NEEDED				
	H	IAZM	AT SUSPECTED		KE	EP G	UTTERS CLEAR				
LEAKS	E	VIDE	ENCE OF LEAKS		YES		NO	\checkmark			
ROOF CONDITIO	ON - OVERALL SYS	STEN	I RATING								
VERY POOR					REPLACE OR C	COAT	IMMEDIATELY -	SPO	T REPAIRS ONLY		
POOR					REPLACE OR (COAT	IN 1-2 YEARS -	SPO ⁻	T REPAIRS ONLY		
FAIR							REPLACE OF	R CO	AT IN 3-5 YEARS	✓	
MARGINAL							REPLACE OR	COA	T IN 5-10 YEARS		
GOOD							REPLACE OR (COAT	IN 10-15 YEARS		
EXCELLENT					O	NLY	IF ROOF IS LESS	S THA	AN 5 YEARS OLD		
ADDITIONAL NO	TES										

THESE ROOFS HAVE AGED WELL - WITH SOME OVERALL SYSTEM REPAIR THE ROOFS MAY LAST A FEW MORE YEARS.

BUDGET ESTIMATES	
IMMEDIATE REPAIRS AS RECOMMENDED	\$4,500.00
YEARLY PREVENTIVE MAINENANCE	\$1,500.00
ROOF RECOATING	\$0.00
ROOF REPLACEMENT	\$48,000.00





BUILDING INFORMATION									
FACILITY	Yerba Buena HS								
DATE	October 14, 2014								
BUILDING	Ticket Booth								
ROOF SQ FT	230								



BOOLSOFT	nicket Bootii						E	NGINEERII	NG SERVICES FOR THE BUILDING ENVE	LOPE
ROOF SQ FT	230						_	_		9
ROOF CONSTRU										
ROOF AGE	2006		0-5 YEARS		5-10 YEARS		10-15 YEARS		15+ YEARS	
DECK TYPE	METAL		PLYWOOD	✓	PLANK		CONCRETE		LW CONCRETE	
INSULATION	NONE	✓	ISO		FIBER		PERLITE		STYRO	
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED	
MEMBRANE	SHINGLE	✓	SINGLE PLY		BUR		MOD BIT		TWO SYSTEMS	
MEM SURFACE	COATING		MS CAP		GRAVEL		SMOOTH		GRANULE	
FLASHINGS	CAPSHEET		HYPALON							
DRAINAGE	BUR JOSAM		SCUPPERS		GUTTERS	\	OVER EDGE			
SLOPE	SLIGHT		1:12		2:12	\checkmark	3:12		6:12	
ROOF CONDITIO	ON - RATINGS (1-1	0) and	RECOMMENDA	ATIOI	NS					#
FIELD	,		PAIRS NEEDED						RATING	8
			RESEAL SEAMS		REPAIR B	LIST	ERS or RIDGING			
	CLEA		OF OF DEBRIS				REPAIR NEEDED			
			R SUSPECTED							
	DECK						CE FASTENERS			
			AZE CRACKING				TLE MEMBRANE			
		EXC	CESSIVE WEAR		LA	ARGE	HOLE IN ROOF			
PITCH/POND			PAIRS NEEDED						RATING	8
	F	FILL PONDING AREAS					CK DEFLECTION			
		S	OME PONDING		E	XCE:	SSIVE PONDING			
EL ACHINO	DEDAIDO NEEDED								RATING	0
FLASHING	REPAIRS NEEDED				DEC	⊏ ∧ 1 /			RATING	8
	RESEAL/REPAIR ALL						REPAIR SELECT L/RECOAT WALL			
	RESEAL/RECOAT AC DUCT RESEAL WALL FLASHING						CAP FLASHING			
DRAINAGE	I I I		PAIRS NEEDED			,00L	. 0/11 1 1/10/11140		RATING	8
2.0	ADD/E		NCE CRICKETS		ADD/EI	1AH	ICE OVERFLOW		Tottinto	
		(CLEAR DRAINS				ADD GUTTER			
	GUTT	ER R	EPAIR NEEDED		GUTTE	R CC	ATING NEEDED			
PENETRATION		RE	PAIRS NEEDED						RATING	-
		RESE	AL/REPAIR ALL		RES	EAL/	REPAIR SELECT			
		REPL	ACE SKYLIGHT		RAISE HEIG	HT V	VHEN POSSIBLE			
ADDITIONAL		A	CTION NEEDED							
	IMPR	ROVE	ROOF ACCESS		ADD	EXT	ERNAL LADDER			
	REMOVI	E DEA	AD EQUIPMENT							
MAINTENANCE			DRAINS CLEAN		KEEP	WAT	ERWAYS CLEAN			
			JNTIL REROOF				TRIM TREES			
			OF OF DEBRIS		HVAC REPAIR NEEDED					
. =			AT SUSPECTED			EP G	UTTERS CLEAR	_		
LEAKS	E	VIDE	NCE OF LEAKS		YES		NO	V		
	ON - OVERALL SYS	STEM	RATING							
VERY POOR					REPLACE OR C	COAT	IMMEDIATELY - S	SPO	T REPAIRS ONLY	
POOR					REPLACE OR (COAT	IN 1-2 YEARS - S	SPO	T REPAIRS ONLY	
FAIR							REPLACE OF	R CO	OAT IN 3-5 YEARS	
MARGINAL							REPLACE OR	COA	AT IN 5-10 YEARS	
GOOD									IN 10-15 YEARS	
EXCELLENT					C	NLY	IF ROOF IS LESS	THA	AN 5 YEARS OLD	

THE ROOF LOOKS GREAT.

BUDGET ESTIMATES	
IMMEDIATE REPAIRS AS RECOMMENDED	\$0.00
YEARLY PREVENTIVE MAINENANCE	\$0.00
ROOF RECOATING	\$0.00
ROOF REPLACEMENT	\$4,600.00



