BUILDING INFORMATION								
FACILITY	Overfelt High School							
DATE	July 16, 2014							
BUILDING	A1, A2, J, Locker Rooms surround Gym, L2, Q, Canopies C2 and C3							
ROOF SQ FT	50,000							



\$600,000.00

DAIL	10, 2014	Dage		U	G N F F R I N	6					
BUILDING ROOF SQ FT	50,000	ROOII	is surround Gym,	L2, (Q, Canopies C2 an	a C3	į	NGINEERIN	IS SERVICES FOR THE BUILDING ENVE	LOPE	
					_		_	_		_	
ROOF CONSTRU			0.5.7.5.4.00		5 10 VEADS		10 15 VEADS		15 L VEADS		
ROOF AGE	2000		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		SINGLE PLY		BUR		MOD BIT		FOAM		
MEM SURFACE	COATING		MS CAP	✓	GRAVEL		SMOOTH				
FLASHINGS	CAPSHEET	_									
DRAINAGE	JOSAM	✓	SCUPPERS		GUTTERS		OVER EDGE				
SLOPE	NONE		1:12		2:12		3:12		Slight		
ROOF CONDITIO	DN - RATINGS (1-1	0) and	d RECOMMENDA	IOITA	NS					#	
FIELD		RE	PAIRS NEEDED						RATING	6	
		F	RESEAL SEAMS		RESEAL B	LIST	ERS or RIDGING				
	CLEA	AR RC	OF OF DEBRIS		DE	CK F	REPAIR NEEDED				
	DECK I	REPA	IR SUSPECTED	✓	RESEAL/F	RPLA	CE FASTENERS				
PITCH/POND		RE	PAIRS NEEDED						RATING	6	
	F	ILL P	ONDING AREAS		FIX	DEC	CK DEFLECTION	✓			
FLASHING		RE	PAIRS NEEDED						RATING	2	
		RESE	AL/REPAIR ALL	✓	RES	EAL/I	REPAIR SELECT				
	RESEA	AL/RE	COAT AC DUCT		RE	SEAI	_/RECOAT WALL				
DRAINAGE			PAIRS NEEDED						RATING	3	
	ADD/E		NCE CRICKETS	✓	ADD/EN	NHAN	ICE OVERFLOW				
	CUTT		CLEAR DRAINS EPAIR NEEDED		CUTTE	D CC	ADD GUTTER OATING NEEDED				
PENETRATION	GOTT		PAIRS NEEDED		GOTTE	K CC	ATING NEEDED		RATING		
LINETRATION			AL/REPAIR ALL		RES	FAI /	REPAIR SELECT		NATINO		
					,,25	_, ,_,					
MAINTENANCE	K	KEEP	DRAINS CLEAN	\	KEEP	WATI	ERWAYS CLEAN				
	SPOT RE	PAIR	UNTIL REROOF	✓			CLEAR DEBRIS	✓			
	HV	/AC R	EPAIR NEEDED	✓							
LEAKS	E	EVIDE	NCE OF LEAKS		YES	✓	NO				
ROOF CONDITIO	ON - OVERALL SY	STEM	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 OI	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	ONLY IF ROOF IS LESS TH								AN 5 YEARS OLD		
BUDGET ESTIMA	ATES										
	IN	MMED	IATE REPAIRS A	S RE	ECOMMENDED				\$(0.00	
		Υ	EARLY PREVEN	TIVE	MAINENANCE				\$1,500	0.00	
								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			

ROOF RECOATING

An aerial view of the building.



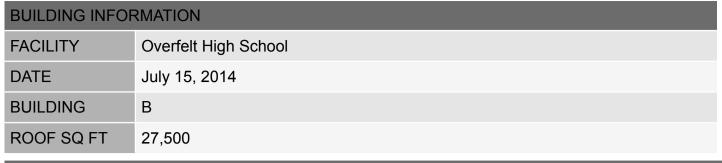


The photo below shows the failing of the perimeter edge detail - throughout all.



Immediate repairs are necessary on some leaking AC units.







\$412,500.00

DATE	July 15, 2014							0 1	YLIN	Ę
BUILDING	B						E	NGIVEERIN	IG SERVICES FOR THE BUILDING ENVE	LOPE
ROOF SQ FT	27,500							_		
ROOF CONSTRU										
ROOF AGE	2005		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		SINGLE PLY		BUR		MOD BIT		FOAM	
MEM SURFACE	COATING	✓	MS CAP	✓	GRAVEL		SMOOTH		3PLY MIN	
FLASHINGS	CAPSHEET	✓								
DRAINAGE	JOSAM	✓	SCUPPERS		GUTTERS		OVER EDGE			
SLOPE	NONE		1:12		2:12		3:12			
ROOF CONDITIO	ON - RATINGS (1-1	0) an	d RECOMMENDA	OITA	NS					#
FIELD		RE	PAIRS NEEDED	\					RATING	4
	RES	EAL :	SELECT SEAMS	✓	RESEAL B	~				
	CLEA	AR RO	OOF OF DEBRIS		DE	CK F				
	DECK I	REPA	IR SUSPECTED		RESEAL/F	RPLA	CE FASTENERS			
PITCH/POND		RE	PAIRS NEEDED						RATING	4
	F	ILL P	ONDING AREAS		FIX					
FLASHING		RE	PAIRS NEEDED						RATING	6
	RESEAL/REPAIR ALL						REPAIR SELECT			
	RESEAL/RECOAT AC DUCT				RE	SEA	L/RECOAT WALL			
DDAINAGE		DE	DAIDO NEEDED						DATING	-
DRAINAGE	4 D D /E		PAIRS NEEDED NCE CRICKETS		4 DD/EN		NCE OVERFLOW		RATING	5
	ADD/E		CLEAR DRAINS		ADD/EI	NITAL	ADD GUTTER			
	GUTT		EPAIR NEEDED		GUTTE	R CC	DATING NEEDED			
PENETRATION			PAIRS NEEDED	I					RATING	4
	A .		EAL/REPAIR ALL		RES	EAL/	REPAIR SELECT	✓		
MAINTENANCE	K	KEEP	DRAINS CLEAN	S	KEEP	WAT	ERWAYS CLEAN			
	SPOT RE	PAIR	UNTIL REROOF				TRIM TREES	✓		
. =	_									
LEAKS		_	NCE OF LEAKS		YES		NO	•		_
	ON - OVERALL SYS	STEM	1 RATING							
VERY POOR									T REPAIRS ONLY	
POOR					REPLACE OR (COAT	_		T REPAIRS ONLY	
FAIR									AT IN 3-5 YEARS	
MARGINAL									T IN 5-10 YEARS	✓
GOOD	REPLACE OR COAT IN 10-15 YEAR ONLY IF ROOF IS LESS THAN 5 YEARS OL									
EXCELLENT					0	NLY	IF ROOF IS LESS	i IH/	AN 5 YEARS OLD	
BUDGET ESTIMA									A.F	
	IN	DIATE REPAIRS A						\$7,500		
		Y	EARLY PREVEN	IIVE	MAINENANCE				\$1,500	J.00

ROOF RECOATING

An aerial view of the building.





The photo below shows open gaps in the field membrane.



The photo below shows membrane ridging and penetration flashing problems.







\$540,000.00

BUILDING	C100 and C200							NGINEERIN	G I N E E R I N IG SERVICES FOR THE BUILDING ENVE	G
ROOF SQ FT	36,000								ounted for the satisfied bline	
ROOF CONSTRU	JCTION									
ROOF AGE	2012		0-5 YEARS		5-10 YEARS		10-15 YEARS		15+ YEARS	
WARRANTY	UNKNOWN		10 YEAR	\checkmark	15 YEAR		20 YEAR		30 YEAR	
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	METAL		SINGLE PLY		BUR	\	MOD BIT		FOAM	
MEM SURFACE	COATING	$ \checkmark $	MS CAP		GRAVEL		SMOOTH	⋖		
FLASHINGS	CAPSHEET	\								
DRAINAGE	JOSAM	S	SCUPPERS		GUTTERS		OVER EDGE			
SLOPE	NONE		1:12		2:12	\	3:12		SLIGHT	
ROOF CONDITIO	ON - RATINGS (1-1	0) ar	nd RECOMMENDA	ATIOI	NS					#
FIELD		RE	EPAIRS NEEDED	⋖					RATING	7
			RESEAL SEAMS		RESEAL B	LIST	ERS or RIDGING	✓		
	CLEA	AR R	OOF OF DEBRIS		DE	CK F	REPAIR NEEDED			
	DECK I	REPA	AIR SUSPECTED		RESEAL/F	RPLA	CE FASTENERS			
PITCH/POND		RE	EPAIRS NEEDED						RATING	8
	F	ILL P	ONDING AREAS	✓	FIX	(DE(CK DEFLECTION			
FLASHING		RE	EPAIRS NEEDED						RATING	7
			EAL/REPAIR ALL				REPAIR SELECT			
	RESEA	AL/RE	ECOAT AC DUCT		RE	SEA	L/RECOAT WALL	V		
DRAINAGE		DI	EPAIRS NEEDED						RATING	0
DRAINAGE	ADD/F		ANCE CRICKETS	V	ADD/FI	ЛНД	NCE OVERFLOW		RATING	8
	NOD/L	_1 41 17	CLEAR DRAINS		/ (DD/L)	41 17 (1	ADD GUTTER			
	GUTT	ER F	REPAIR NEEDED		GUTTE	R CC	DATING NEEDED			
PENETRATION		RE	EPAIRS NEEDED						RATING	8
		RES	EAL/REPAIR ALL		RES	EAL/	REPAIR SELECT			
MAINTENANCE			DRAINS CLEAN		KEEP	WAT	ERWAYS CLEAN			
			UNTIL REROOF		1.78	/A O F	TRIM TREES			
			OOF OF DEBRIS		HV	AC F	REPAIR NEEDED			
LEAKS			ENCE OF LEAKS		YES		NO			
	ON - OVERALL SY				120		110			
VERY POOR	JN - OVLIVALL ST	SILI	WINATING	-	REPLACE OR O	:OAT	IMMEDIATELY -	SPO ⁻	T REPAIRS ONLY	
POOR									T REPAIRS ONLY	
FAIR					THE ENOL OF	50/(1			AT IN 3-5 YEARS	
MARGINAL									T IN 5-10 YEARS	
GOOD									IN 10-15 YEARS	
EXCELLENT					C	NLY			AN 5 YEARS OLD	
BUDGET ESTIMA	ATES									
		име	DIATE REPAIRS A	S RE	ECOMMENDED		Under 2	ear (Contractors Warra	anty
		,	YEARLY PREVEN	TIVE	MAINENANCE				\$1,500	

ROOF RECOATING

An aerial view of the buildings.



An overview of the roof.



Membrane blisters need to be repaired.



Consider an elastomeric coating on the walls - moisture may be entering causing the blisters seen above.







BUILDING	D1 and D2						E	NGINEERIN	G I N E E R I N NG SERVICES FOR THE BUILDING ENVE	G
ROOF SQ FT	15,600								o delines for the sensing ent	
ROOF CONSTRU	JCTION									
ROOF AGE	2013	⋖	0-5 YEARS		5-10 YEARS		10-15 YEARS		15+ YEARS	
DECK TYPE	METAL		PLYWOOD	\	PLANK		CONCRETE		LW CONCRETE	
INSULATION	UNKNOWN	\checkmark	ISO		FIBER		PERLITE		STYRO	
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED	
MEMBRANE	METAL		SINGLE PLY		BUR		MOD BIT		FOAM	
MEM SURFACE	COATING		MS CAP		GRAVEL		SMOOTH			
FLASHINGS	CAPSHEET		SINGLE PLY							
DRAINAGE	JOSAM	✓	SCUPPERS		GUTTERS		OVER EDGE			
SLOPE	NONE		1:12		2:12		3:12		SLIGHT	⋖
ROOF CONDITIO	ON - RATINGS (1-1	0) ar	nd RECOMMENDA	IOITA	NS					#
FIELD		RE	EPAIRS NEEDED						RATING	9
			RESEAL SEAMS		RESEAL 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			
PITCH/POND		RE	EPAIRS NEEDED				.0_ ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		RATING	9
	F		ONDING AREAS		FIX	(DE(CK DEFLECTION			
FLASHING		RE	EPAIRS NEEDED						RATING	9
		RES	EAL/REPAIR ALL		RES	EAL/	REPAIR SELECT			
	RESEA	AL/RE	ECOAT AC DUCT		RE	SEA	L/RECOAT WALL			
DRAINAGE	4 D.D.//		EPAIRS NEEDED		4 D.D. (E.)		10E 0\/EDEL0\4		RATING	9
	ADD/E	=NHA	ANCE CRICKETS		ADD/EI	NHAI	NCE OVERFLOW			
	GUTT	ED E	CLEAR DRAINS REPAIR NEEDED		GUTTE	B CC	ADD GUTTER DATING NEEDED			
PENETRATION	0011		EPAIRS NEEDED		OOTIL		DATING NEEDED		RATING	9
			EAL/REPAIR ALL		RES	EAL/	REPAIR SELECT			
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	IAZIV	IAT SUSPECTED							
LEAKS	E	EVIDI	ENCE OF LEAKS		YES		NO	V		
ROOF CONDITIO	ON - OVERALL SY	STEN	M RATING							
VERY POOR					REPLACE OR C	COAT	IMMEDIATELY - S	SPO	T REPAIRS ONLY	
POOR					REPLACE OR (COAT	Γ IN 1-2 YEARS - S	SPO	Γ REPAIRS 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	THA	AN 5 YEARS OLD	
BUDGET ESTIMA										
	IN	ИМЕ	DIATE REPAIRS A	SRE	COMMENDED				\$(0.00

	BUDGET ESTIMATES
\$0.00	IMMEDIATE REPAIRS AS RECOMMENDED
\$1,500.00	YEARLY PREVENTIVE MAINENANCE
\$0.00	ROOF RECOATING
\$234,000.00	ROOF REPLACEMENT

An aerial view of the building.





The photo below shows the roof in great shape.



The photo below shows the roof in great shape.







\$480,000.00

DATE	July 10, 2014									Ę
BUILDING	E, G						E	ENGINEERING SERVICES FOR THE BUILDING ENVELOPE		
ROOF SQ FT	40,000							_		
ROOF CONSTRU	JCTION									
ROOF AGE	2012		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		SINGLE PLY		BUR	\checkmark	MOD BIT		FOAM	
MEM SURFACE	COATING	\checkmark	MS CAP		GRAVEL		SMOOTH	\		
FLASHINGS	CAPSHEET									
DRAINAGE	JOSAM	\	SCUPPERS		GUTTERS		OVER EDGE			
SLOPE	NONE		1:12		2:12		3:12		SLIGHT	⋖
ROOF CONDITIO	ON - RATINGS (1-1	0) and	d RECOMMENDA	IOITA	NS					#
FIELD		RE	PAIRS NEEDED	✓					RATING	7
		F	RESEAL SEAMS		RESEAL B	LIST	~			
	CLEA	AR RC	OF OF DEBRIS		DE	CK F	REPAIR NEEDED			
			IR SUSPECTED		RESEAL/E	RPI A	CE FASTENERS			
PITCH/POND			PAIRS NEEDED		T LOLALA	\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	OL TAOTENERO		RATING	5
	F		ONDING AREAS	V	FIX	(DE(CK DEFLECTION		7011110	
FLASHING		RE	PAIRS NEEDED						RATING	8
		RESE	AL/REPAIR ALL		RES	EAL/I	REPAIR SELECT			
	RESEA	AL/RE	COAT AC DUCT		RE	SEA	_/RECOAT WALL			
DRAINAGE		RE	PAIRS NEEDED						RATING	7
	ADD/E	ENHA	NCE CRICKETS	✓	ADD/EN	NHAN	ICE OVERFLOW			
			CLEAR DRAINS							
DENIETDATION	GUTT		EPAIR NEEDED		GUTTE	R CC	ATING NEEDED		DATINIO	0
PENETRATION			PAIRS NEEDED		DES	- ^ . . //			RATING	8
		KESE	AL/REPAIR ALL		RES	EAL/I	REPAIR SELECT			
MAINTENANCE	k	KEEP	DRAINS CLEAN		KEEP	WATI	ERWAYS CLEAN			
	SPOT RE	PAIR	UNTIL REROOF				TRIM TREES			
	CLEA	AR RC	OF OF DEBRIS		HV	/AC F	REPAIR NEEDED	✓		
	H	IAZM/	AT SUSPECTED							
LEAKS	E	EVIDE	NCE OF LEAKS		YES		NO	✓		
ROOF CONDITIO	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	AT IN 3-5 YEARS	
MARGINAL							REPLACE OR	COA	T IN 5-10 YEARS	
GOOD							REPLACE OR C	COAT	IN 10-15 YEARS	
EXCELLENT	ONLY IF ROOF IS LESS THAN 5 YEARS OLD									
BUDGET ESTIMA	ATES									
	IN	MMED	IATE REPAIRS A	S RE	ECOMMENDED		Under 2 Y	ear (Contractors Warra	anty
		Y	EARLY PREVEN	EVENTIVE MAINENANCE \$						0.00

ROOF RECOATING

An aerial view of the building E.



An aerial view of the building G.



Immediate repair is needed on more than one leaking AC unit.



Some membrane repair is needed as seen below showing a large blister.







\$690,000.00

DATE	July 15, 2014	July 15, 2014 S K Y L I N											
BUILDING	F, G, H, I, C1, C5,	, C7							G I N E E R I N NG SERVICES FOR THE BUILDING ENVE	G ELOPE			
ROOF SQ FT	57,500									4			
ROOF CONSTRU													
ROOF AGE	1990		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		SINGLE PLY		BUR		MOD BIT		FOAM				
MEM SURFACE	COATING		MS CAP		GRAVEL		SMOOTH		3PLY MIN	✓			
FLASHINGS	CAPSHEET	_											
DRAINAGE	JOSAM	_	SCUPPERS		GUTTERS		OVER EDGE						
SLOPE	VARIOUS		1:12		2:12		3:12						
ROOF CONDITIO	ON - RATINGS (1-1	10) ar	d RECOMMENDA	OITA	NS					#			
FIELD		RE	PAIRS NEEDED						RATING	2			
			RESEAL SEAMS		RESEAL B	LIST	ERS or RIDGING						
	CLEA	AR R	OOF OF DEBRIS		DE	CK F	REPAIR NEEDED						
	DECK	REPA	AIR SUSPECTED	\checkmark	RESEAL/F	RPLA	CE FASTENERS						
PITCH/POND		RE	EPAIRS NEEDED						RATING	4			
	F	ILL P	ONDING AREAS		FIX	(DE	CK DEFLECTION	✓					
51 4 01 WHO									5.170.10				
FLASHING			EPAIRS NEEDED		DEC				RATING	2			
		EAL/REPAIR ALL ECOAT AC DUCT				REPAIR SELECT L/RECOAT WALL	<u> </u>						
	RESEA	1 L/11L	COATAC DOCT		N.C.	.SEA	L/RECOAT WALL						
DRAINAGE		RE	PAIRS NEEDED						RATING	3			
	ADD/E	ENHA	NCE CRICKETS	~	ADD/E	1AH	NCE OVERFLOW						
			CLEAR DRAINS	\checkmark			ADD GUTTER						
	GUTT	ER F	REPAIR NEEDED		GUTTE	R CC	DATING NEEDED						
PENETRATION		RE	PAIRS NEEDED						RATING	-			
		RES	EAL/REPAIR ALL		RES	EAL/	REPAIR SELECT						
MAINTENANCE	l L	/EED	DRAINS CLEAN		KEED	\ \ /\T	ERWAYS CLEAN						
WAINTENANCE			UNTIL REROOF		KLLF	VVAI	TRIM TREES	V					
			AT SUSPECTED	V			THIN THEE						
LEAKS	E	EVIDE	ENCE OF LEAKS		YES	\checkmark	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	AT IN 3-5 YEARS				
MARGINAL							REPLACE OR	COA	AT IN 5-10 YEARS				
GOOD							REPLACE OR C	COAT	IN 10-15 YEARS				
EXCELLENT					C	NLY	IF ROOF IS LESS	; THA	AN 5 YEARS OLD				
BUDGET ESTIMA	ATES												
	IN	MMEI	DIATE REPAIRS A	S RE	ECOMMENDED				\$0	0.00			
		`	YEARLY PREVEN	TIVE	MAINENANCE				\$1,500	0.00			

ROOF RECOATING

An aerial view of the building.



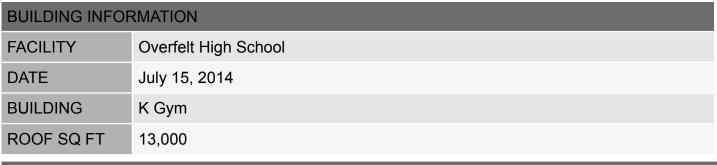


The photo below shows the main field 3-Ply Failing with visible gaps.



The perimeter wall needs to be resealed and recoated along with the reroof.







\$195,000.00

DAIL	July 13, 2014									6	
BUILDING	K Gym						Ē	ENGINEERING SERVICES FOR THE BUILDING ENVELOPE			
ROOF SQ FT	13,000							_			
ROOF CONSTRU					5 40 V/5 4 D 0		40.45.454.50		45 VEADO		
ROOF AGE	2000	✓	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		SINGLE PLY		BUR	✓	MOD BIT		FOAM		
MEM SURFACE	COATING		MS CAP	✓	GRAVEL		SMOOTH				
FLASHINGS	CAPSHEET	✓									
DRAINAGE	JOSAM	✓	SCUPPERS		GUTTERS		OVER EDGE				
SLOPE	NONE		1:12		2:12		3:12	✓			
ROOF CONDITIO	ON - RATINGS (1-1	(0) and	d RECOMMENDA	ATIOI	NS					#	
FIELD		RE	PAIRS NEEDED					RATING	5		
		F	RESEAL SEAMS		RESEAL B						
	CLEA	AR RC	OOF OF DEBRIS		DE	CK F	REPAIR NEEDED				
			IR SUSPECTED		RESEAL/E	RPI Δ	CE FASTENERS				
PITCH/POND			PAIRS NEEDED		KEOEAEI		OLIAGILINENO		RATING	8	
THOM/TOND	F		ONDING AREAS		FIX	(DEC	CK DEFLECTION		TVIIIVO		
FLASHING		RE	PAIRS NEEDED						RATING	2	
		RESE	AL/REPAIR ALL		RES	EAL/I	REPAIR SELECT			_	
	RESEA	AL/RE	COAT AC DUCT		RE	SEAI	_/RECOAT WALL	✓			
DRAINAGE		RE	PAIRS NEEDED						RATING	8	
	ADD/E	ENHA	NCE CRICKETS		ADD/EN	NHAN	ICE OVERFLOW				
			CLEAR DRAINS								
	GUTT		EPAIR NEEDED		GUTTE	R CC	ATING NEEDED			_	
PENETRATION			PAIRS NEEDED		DE0	- 41 //	REPAIR SELECT		RATING	-	
		RESE	AL/REPAIR ALL		RES	EAL/I					
MAINTENANCE	k	(FFP	DRAINS CLEAN		KFFP	WATI	ERWAYS CLEAN				
			UNTIL REROOF				TRIM TREES	V			
LEAKS	E	EVIDE	NCE OF LEAKS		YES		NO	✓			
ROOF CONDITIO	ON - OVERALL SY	STEM	RATING								
VERY POOR					REPLACE OR C	COAT	IMMEDIATELY - S	SPOT	Γ REPAIRS ONLY		
POOR					REPLACE OR (COAT	IN 1-2 YEARS - S	SPO	Γ REPAIRS ONLY		
FAIR							REPLACE OF	R CO	AT IN 3-5 YEARS	\	
MARGINAL									T IN 5-10 YEARS		
GOOD							REPLACE OR C	COAT	IN 10-15 YEARS		
EXCELLENT	ONLY IF ROOF IS LESS THAN 5 YEARS OLD										
BUDGET ESTIMA	ATES										
		MMED	IATE REPAIRS A	S RI	ECOMMENDED				\$0.	.00	
		Y	EARLY PREVEN	TIVE	MAINENANCE				\$1,500.		
				_				ψ1,000.00			

ROOF RECOATING

An aerial view of the building.





The photo below shows the perimeter wall and flashing in poor condition.



Trimming the trees can prolong the life of the roof.



BUILDING INFOR	BUILDING INFORMATION									
FACILITY	Overfelt HS									
DATE	July 16, 2014									
BUILDING	P, Child Care									
ROOF SQ FT	6,500									

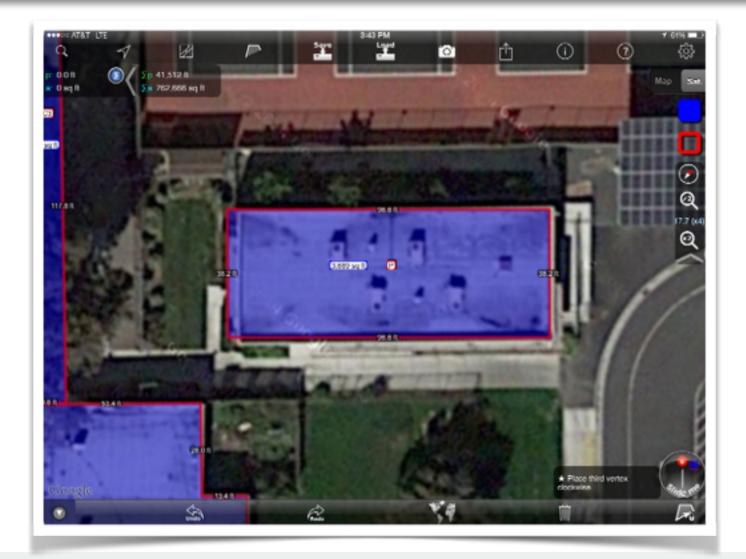


\$97,500.00

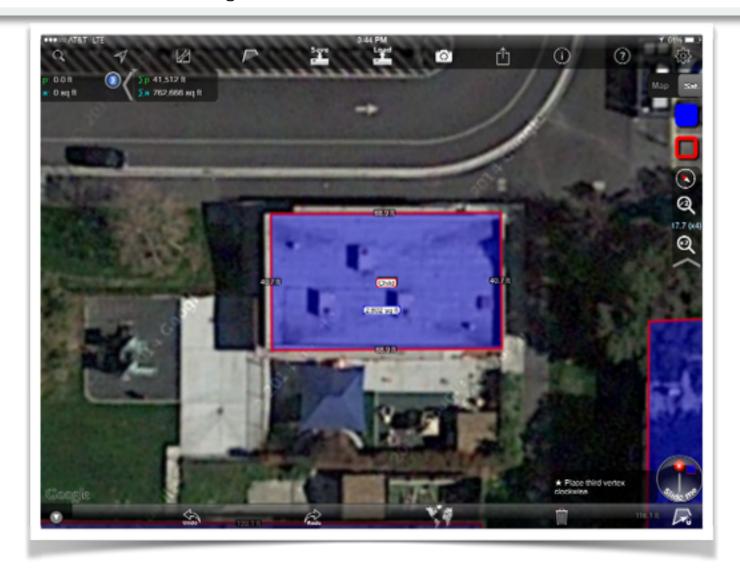
DATE	July 16, 2014							9 L	YLIN	Ę	
BUILDING	P, Child Care							ENGINEERIN	IN E E K I N IG SERVICES FOR THE BUILDING ENVE	LOPE	
ROOF SQ FT	6,500							_			
ROOF CONSTRU	JCTION										
ROOF AGE	2003		0-5 YEARS		5-10 YEARS		10-15 YEARS		15+ YEARS		
DECK TYPE	METAL		PLYWOOD	✓	PLANK		CONCRETE		LW CONCRETE		
INSULATION	NONE	✓	ISO		FIBER		PERLITE		STYRO		
INSUL THICK	1 INCH		2 INCH		3 INCH		4 INCH		TAPERED		
MEMBRANE	METAL		SINGLE PLY		BUR	✓	MOD BIT		FOAM		
MEM SURFACE	COATING		MS CAP	\checkmark	GRAVEL		SMOOTH				
FLASHINGS	CAPSHEET	✓									
DRAINAGE	JOSAM		SCUPPERS	\	GUTTERS		OVER EDGE				
SLOPE	NONE		1:12	✓	2:12		3:12				
ROOF CONDITIO	ON - RATINGS (1-1	0) an	d RECOMMENDA	OITA	NS					#	
FIELD		RE	PAIRS NEEDED						RATING	6	
		ı	RESEAL SEAMS		RESEAL B	LIST	ERS or RIDGING				
	CLE/	AR RO	OOF OF DEBRIS		DE	CK F	REPAIR NEEDED				
			IR SUSPECTED		RESEAL/E	RPI A	CE FASTENERS				
PITCH/POND			PAIRS NEEDED		1 (202) (2)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	OL 1710 I ENLINO		RATING	6	
	F		ONDING AREAS		FIX	(DE(7.0.11.11.00			
	TILL TOTAL MACAULA										
FLASHING		RE	PAIRS NEEDED						RATING	5	
		RESE	EAL/REPAIR ALL		RES	EAL/	REPAIR SELECT				
	RESEAL/RECOAT AC DUCT				RE	SEA	L/RECOAT WALL				
DRAINAGE		RE	PAIRS NEEDED						RATING	6	
	ADD/E	ENHA	NCE CRICKETS	✓	ADD/EN	NHAN	NCE OVERFLOW				
			CLEAR DRAINS				ADD GUTTER				
	GUTT		EPAIR NEEDED		GUTTE	R CC	DATING NEEDED				
PENETRATION			PAIRS NEEDED		DEO	- 41 /	REPAIR SELECT		RATING	6	
		RESE	EAL/REPAIR ALL	✓	RES						
MAINTENANCE	k	(FFP	DRAINS CLEAN		KFFP	WAT	ERWAYS CLEAN				
			UNTIL REROOF				TRIM TREES				
	CLEA	AR RO	OOF OF DEBRIS		HV	/AC F	REPAIR NEEDED				
LEAKS	E	EVIDE	NCE OF LEAKS		YES		NO	✓			
ROOF CONDITIO	ON - OVERALL SYS	STEM	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									T IN 5-10 YEARS		
GOOD							REPLACE OR (COAT	IN 10-15 YEARS		
EXCELLENT					C	NLY	IF ROOF IS LESS	S THA	AN 5 YEARS OLD		
BUDGET ESTIMA	ATES										
	IN	MME	DIATE REPAIRS A	S RE	ECOMMENDED				\$5,000	0.00	
		Y	EARLY PREVEN	TIVE	MAINENANCE				\$1,500		
								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			

ROOF RECOATING

An aerial view of the building P.



An aerial view of the building Child Care.





The photo below shows the failing of the penetration mastic - all needs to be resealed.





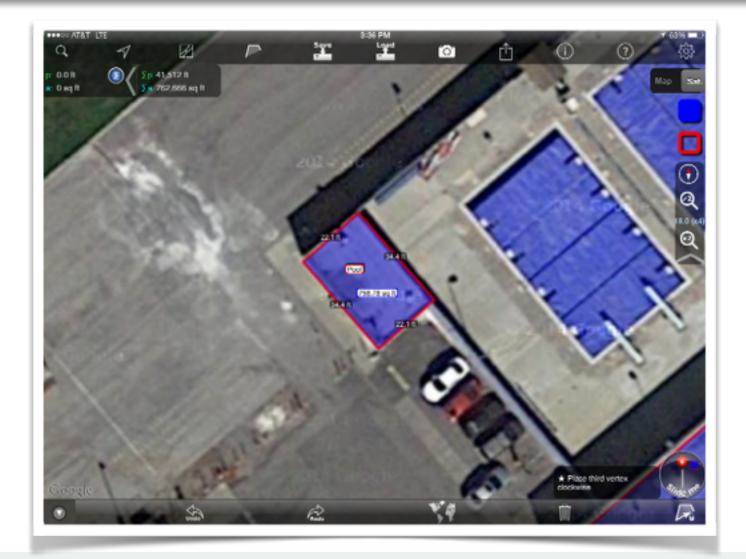


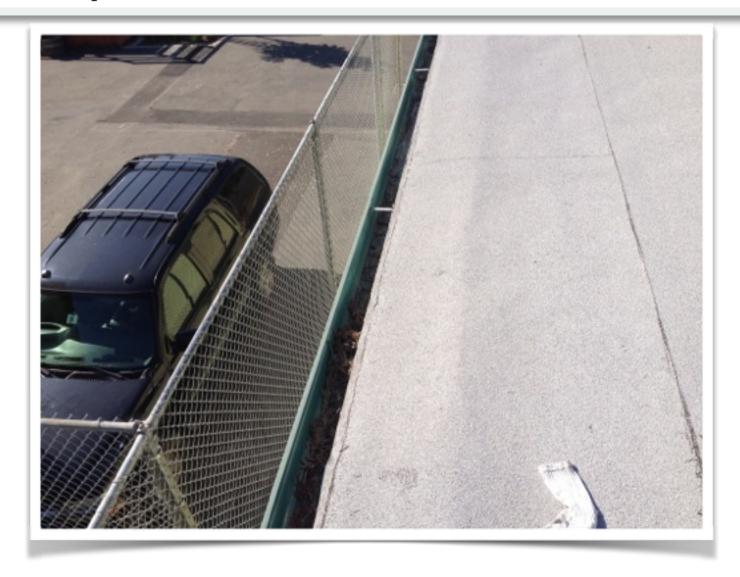
\$11,250.00

DAIL	July 10, 2014								C N E E D N	Ę
BUILDING	Pool Storage						E	NGIVEERIN	IG SERVICES FOR THE BUILDING ENVE	LOPE
ROOF SQ FT	750									4
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		SINGLE PLY		BUR	\	MOD BIT		FOAM	
MEM SURFACE	COATING		MS CAP	\	GRAVEL		SMOOTH			
FLASHINGS	CAPSHEET									
DRAINAGE	JOSAM	✓	SCUPPERS		GUTTERS		OVER EDGE			
SLOPE	NONE		1:12	⋖	2:12		3:12			
ROOF CONDITIO	ON - RATINGS (1-1	0) and	H RECOMMENDA	LOIT4	NS					#
FIELD	70011100 (1-1		PAIRS NEEDED			-			RATING	4
TILLD					DECEMB		1011110	•		
			RESEAL SEAMS		RESEAL B					
			OOF OF DEBRIS				REPAIR NEEDED			
	DECK		IR SUSPECTED		RESEAL/F	RPLA	CE FASTENERS			
PITCH/POND			PAIRS NEEDED						RATING	5
	F	ILL P	ONDING AREAS		FIX	(DE(CK DEFLECTION			
EL ACLUNO		DE	DAIDO NEEDED						DATING	4
FLASHING			PAIRS NEEDED		DEC	⊏ ∧ 1 /			RATING	4
			COAT AC DUCT				REPAIR SELECT L/RECOAT WALL			
	KLGLA	1 L/11L	COATAC DOCT		IXL	.OLA	L/NLOOAT WALL			
DRAINAGE		RF	PAIRS NEEDED						RATING	4
510 02	ADD/E		NCE CRICKETS	7	ADD/EN	1AH	NCE OVERFLOW	~	1011110	
			CLEAR DRAINS				ADD GUTTER			
	GUTT	ER R	EPAIR NEEDED		GUTTE	R CC	DATING NEEDED			
PENETRATION		RE	PAIRS NEEDED						RATING	4
		RESE	AL/REPAIR ALL		RES	EAL/	REPAIR SELECT			_
MAINTENANCE	k	KEEP	DRAINS CLEAN		KEEP	WAT	ERWAYS CLEAN			
	SPOT RE	PAIR	UNTIL REROOF	✓			TRIM TREES			
	CLEA	AR RC	OF OF DEBRIS		HV	/AC F	REPAIR NEEDED			
	F	łAZM/	AT SUSPECTED	✓						
LEAKS	E	EVIDE	NCE OF LEAKS		YES		NO			
ROOF CONDITIO	ON - OVERALL SY	STEM	RATING							
VERY POOR					REPLACE OR C	COAT	IMMEDIATELY - S	SPOT	T REPAIRS ONLY	
POOR					REPLACE OR (COAT	IN 1-2 YEARS - S	SPOT	T REPAIRS ONLY	
FAIR							REPLACE OF	S CO	AT IN 3-5 YEARS	
MARGINAL							REPLACE OR	COA	AT IN 5-10 YEARS	
GOOD							REPLACE OR C	COAT	IN 10-15 YEARS	
EXCELLENT					0	NLY	IF ROOF IS LESS	; TH <i>F</i>	AN 5 YEARS OLD	
BUDGET ESTIMA	ATES									
	II	MMEC	IATE REPAIRS A	S RE	ECOMMENDED				\$(0.00
		Y	EARLY PREVEN	TIVE	MAINENANCE				\$1,500	0.00
				_						

ROOF RECOATING

An aerial view of the building.

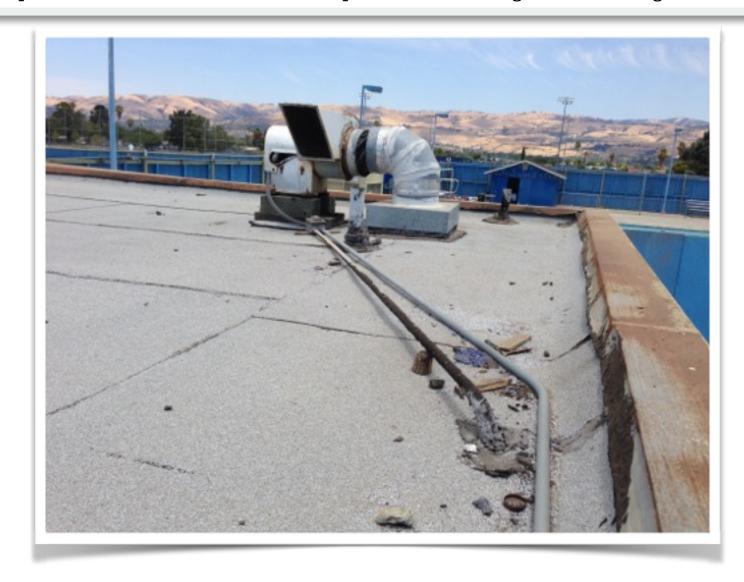




The photo below shows the need for overflow scuppers.



The photo below shows the need for new penetration and edge metal flashing.



BUILDING INFORMATION						
FACILITY	Overfelt HS					
DATE	July 17, 2014					
BUILDING	Ticket Booth					
ROOF SQ FT	200					

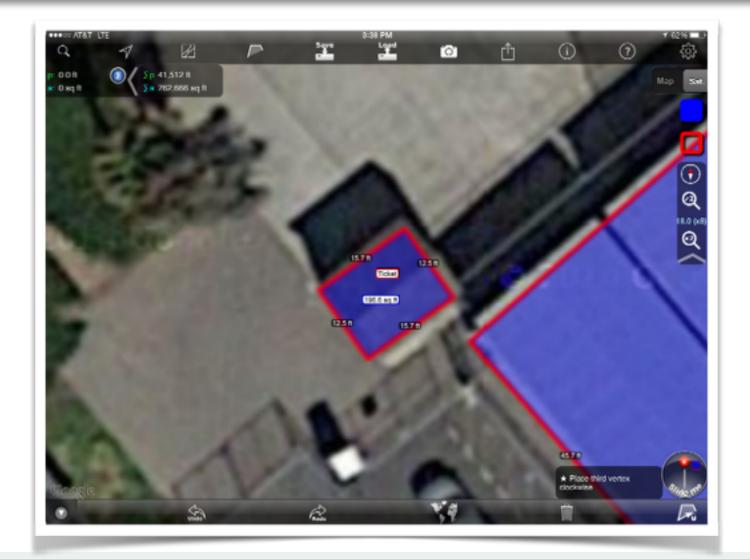


\$4,000.00

DAIL	July 17, 2014								G I N F F D I N	-
BUILDING	Ticket Booth	NGIVEERIN	IS SERVICES FOR THE BUILDING ENVE	LOPE						
ROOF SQ FT	200							_		
ROOF CONSTRU										
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 SINGLE PLY				BUR		MOD BIT		SHINGLE	I
MEM SURFACE	COATING		MS CAP		GRAVEL		SMOOTH			
FLASHINGS	CAPSHEET									
DRAINAGE	JOSAM		SCUPPERS		GUTTERS		OVER EDGE	✓		
SLOPE	NONE		1:12		2:12		3:12	✓		
ROOF CONDITIO	N - RATINGS (1-1	0) an	d RECOMMENDA	TIOI	NS					#
									6	
FIELD				_	DECEMB	LIOT			TOTTING	
			DGE SHINGLES	✓			ERS or RIDGING			
			OOF OF DEBRIS		DECK REPAIR NEEDED					
	DECK	REPA	IR SUSPECTED		RESEAL/RPLACE FASTENERS					
PITCH/POND	REPAIRS NEEDED								RATING	8
	F	ILL P	ONDING AREAS		FIX DECK DEFLECTION					
										_
FLASHING	REPAIRS NEEDED								RATING	5
	RESEAL/REPAIR ALL				RESEAL/REPAIR SELECT RESEAL/RECOAT WALL					
	RESEA	AL/KE	COAT AC DUCT		RE	SEAI	L/RECOAT WALL			
DRAINAGE		DEDAIDO NEEDED							RATING	8
DIVAINAGE	ADD/F	REPAIRS NEEDED			ADD/FI	NΗΔΝ	NCE OVERFLOW		NATING	O
	ADD/ENHANCE CRICKETS CLEAR DRAINS				ADD GUTTER					
	GUTT		EPAIR NEEDED		GUTTER COATING NEEDED					
PENETRATION			PAIRS NEEDED						RATING	_
		RESE	EAL/REPAIR ALL		RES	EAL/	REPAIR SELECT			
MAINTENANCE	k	KEEP	DRAINS CLEAN		KEEP	WAT	ERWAYS CLEAN			
	SPOT RE	SPOT REPAIR UNTIL REROOF				TRIM TREES				
	CLEA	AR RO	OOF OF DEBRIS		HV	/AC F	REPAIR NEEDED			
	HAZMAT SUSPECTED				REPA	IR/R	EPLACE FASCIA	✓		
LEAKS	E	EVIDE	NCE OF LEAKS		YES		NO	✓		
ROOF CONDITIO	ON - OVERALL SY	STEM	1 RATING							
VERY POOR					REPLACE OR C	COAT	IMMEDIATELY - S	SPO	T REPAIRS ONLY	
POOR					REPLACE OR (COAT	T IN 1-2 YEARS - S	SPO	T 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									
EXCELLENT	ONLY IF ROOF IS LESS THAN 5 YEARS OLD									
BUDGET ESTIMA	ATES									
	IN	MME	DIATE REPAIRS A	S RE	ECOMMENDED				\$1,000	0.00
		Y	EARLY PREVEN	TIVE	MAINENANCE					0.00

ROOF RECOATING

An street view of the building.



The photo below shows the ridge shingles missing.



The photo below shows damage to the fascia.



BUILDING INFORMATION						
FACILITY	Overfelt LPS					
DATE	July 17, 2014					
BUILDING	P1 - P24 (Twenty four buildings)					
ROOF SQ FT	30,000					



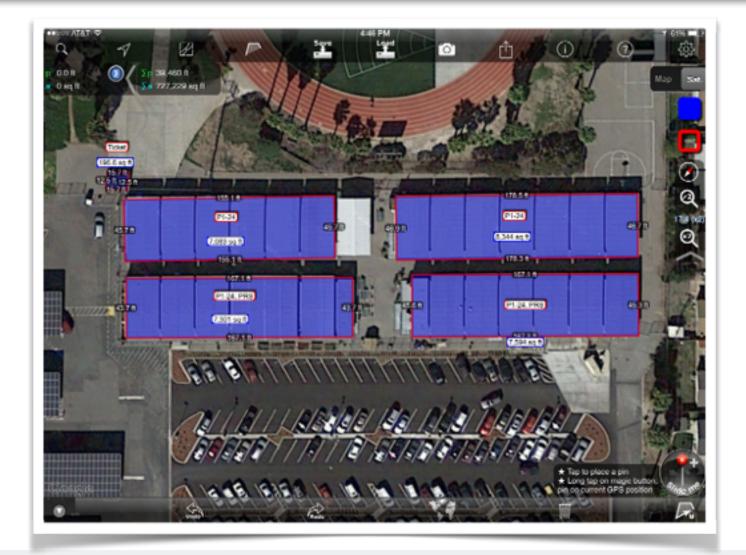
\$180,000.00

\$0.00

DATE	July 17, 2014								9 W A T I W E			
BUILDING	P1 - P24 (Twenty four buildings)								E N G I N E E R I N G ENGINEERING SERVICES FOR THE BUILDING ENVELOPE			
ROOF SQ FT	30,000							_				
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	METAL SS SINGLE PLY				BUR		MOD BIT		FOAM			
MEM SURFACE	COATING		MS CAP		GRAVEL		SMOOTH					
FLASHINGS	CAPSHEET											
DRAINAGE	JOSAM		SCUPPERS		GUTTERS		OVER EDGE					
SLOPE	NONE		1:12		2:12		3:12					
ROOF CONDITIO	ON - RATINGS (1-1	0) an	d RECOMMENDA	OITA	NS					#		
FIELD		RE	PAIRS NEEDED						RATING	6		
	RESEAL SEAMS				RESEAL BLISTERS or RIDGING							
	CLEAR ROOF OF DEBRIS				DECK REPAIR NEEDED							
	DECK REPAIR SUSPECTED				RESEAL/RPLACE FASTENERS							
PITCH/POND		RE	PAIRS NEEDED						RATING	8		
	F	ILL P	ONDING AREAS		FIX	(DE	CK DEFLECTION					
FLASHING	REPAIRS NEEDED								RATING	7		
	RESEAL/REPAIR ALL				RESEAL/REPAIR SELECT							
	RESEA	AL/RE	COAT AC DUCT		RE	SEA	L/RECOAT WALL					
DRAINAGE	A D D //		PAIRS NEEDED		4 D.D./FA		JOE OVERELOW		RATING	7		
	ADD/ENHANCE CRICKETS CLEAR DRAINS				ADD/EI	NHAI	NCE OVERFLOW ADD GUTTER					
					GUTTER COATING NEEDED							
PENETRATION	GUTTER REPAIR NEEDED REPAIRS NEEDED								RATING	7		
			EAL/REPAIR ALL		RESEAL/REPAIR SELECT							
MAINTENANCE	NANCE KEEP DRAINS C		DRAINS CLEAN		KEEP GUTTERS CLEAN			\checkmark				
	SPOT RE	PAIR	UNTIL RECOAT	\	TRIM TREES							
	CLEA	AR RO	OOF OF DEBRIS		HVAC REPAIR NEEDED							
	H	IAZM	AT SUSPECTED		CONSIDER PAINTING FASCIA							
LEAKS	E	EVIDE	NCE OF LEAKS		YES		NO	✓				
ROOF CONDITIO	ON - OVERALL SYS	STEM	1 RATING									
VERY POOR					REPLACE OR C	COAT	IMMEDIATELY -	SPO	T REPAIRS ONLY			
POOR					REPLACE OR (COA	Γ IN 1-2 YEARS - 3	SPO	T 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											
EXCELLENT	ONLY IF ROOF IS LESS THAN 5 YEARS OLD											
BUDGET ESTIMA												
	IN		DIATE REPAIRS A							0.00		
		١	EARLY PREVEN		MAINENANCE				\$1,500			

ROOF RECOATING

An aerial view of the buildings.





The photo below shows the metal roofs just beginning to rust.



Keep the gutters clear and clean of debris.

