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Roofing Cost and Profit Recap Report
 Entire Job

Deck Replacement Cost

Silvers

Description	Net Amount	Markup	Gross Amount	Cost/Unit	Man Hours
Material					
07-100-010 ROOFING MATERIAL			\$14,721.78	147.218/SQ	
07-100-016 SHI/MIL MATERIAL			\$552.00	5.520/SQ	
07-100-096 MISC MATERIAL			\$432.20	0.432/SQ	
Material Subtotal			\$15,316.98	153.170/SQ	
	Tax	7.00%	\$1,072.19	10.722/SQ	
SubTotal Material			\$16,389.17	163.892/SQ	
Labor					
07-100-011 ROOFING LABOR			\$8,540.80	85.408/SQ	502.40
07-100-017 SHI/MIL FAB LABOR			\$293.33	2.933/SQ	14.67
07-100-018 SHI/MIL INSTALL LAB			\$720.00	7.200/SQ	40.00
Labor Subtotal			\$9,554.13	95.541/SQ	557.07
	Labor Burden	85.00%	\$8,121.01	81.210/SQ	
SubTotal Labor			\$17,675.15	176.751/SQ	
SubContract					
SubContract Subtotal			\$0.00	0.000/SQ	
Equipment					
Equipment Subtotal			\$0.00	0.000/SQ	
Other					
Other Subtotal			\$0.00	0.000/SQ	
Miscellaneous					
Toilets	\$100.00	0.00%	\$100.00		
Permit	\$1,200.00	0.00%	\$1,200.00		
Miscellaneous Subtotal	\$1,300.00	0.00%	\$1,300.00	13.000/SQ	
	Subtotal		\$35,364.32	353.643/SQ	
	Overhead	40.00%	\$14,145.73	141.457/SQ	
Profit		5.03%	\$2,489.96	24.900/SQ	
	Bond		\$0.00	0.000/SQ	
	Bid Total		\$52,000.00	520.000/SQ	

Profit-To-Sell:	4.79%
Total SQ	100.000
Total Hours:	557.07
Total Mandays:	69.63
SQ/Hour	0.180
SQ/Manday	1.436

Condition Summary

Deck Replacement Cost

Silvers

Description	Quantity	EU	0.00% Mat'l \$	0.00% Labor \$	0.00% Sub \$	0.00% Equip \$	0.00% Other \$	Total \$	Price/EU	EU
Page = Remove 4 Ply BUR w/ Grvl on Gyp Replace w/ Same										
Remove Grvl Srfc BUR on Gyp	10,000.00	SF	\$1,750	\$2,267	\$0	\$0	\$0	\$4,017	0.402	SF
Gls Base Nid (Gyp)	400.00	SF	\$195	\$91	\$0	\$0	\$0	\$285	0.713	SF
Gls Base Nid (Gyp)	3,200.00	SF	\$1,372	\$544	\$0	\$0	\$0	\$1,916	0.599	SF
Gls Base Nid (Gyp)	6,400.00	SF	\$2,372	\$725	\$0	\$0	\$0	\$3,098	0.484	SF
Built-up, 3 Ply IV w/ Grvl (on Bs Sht)	10,000.00	SF	\$8,439	\$4,533	\$0	\$0	\$0	\$12,972	1.297	SF
1/2 Sht Fish & Cant @ Curbs	96.00	LF	\$299	\$109	\$0	\$0	\$0	\$408	4.248	LF
Gravel Stop, High	300.00	LF	\$413	\$760	\$0	\$0	\$0	\$1,173	3.911	LF
Roof Edge Flashing	300.00	LF	\$198	\$204	\$0	\$0	\$0	\$402	1.339	LF
Gravel Stop, Low	100.00	LF	\$102	\$253	\$0	\$0	\$0	\$355	3.550	LF
Roof Edge Flashing	100.00	LF	\$66	\$68	\$0	\$0	\$0	\$134	1.339	LF
Total Remove 4 Ply BUR w/ Grvl on G			\$15,206	\$9,554	\$0	\$0	\$0	\$24,760		
Job Totals:			\$15,206	\$9,554	\$0	\$0	\$0	\$24,760		

Labor Adjustments -Time

Deck Replacement Cost

Silvers

Description	Quantity	EU	EU/MDay	EU/Hour	MDays	Hours	Ext Price	Pcs/MDay
Mop 3.00 Plys	100.00	SQ	6.000	0.750	16.67	133.33	\$2,266.67	0.000
Fasten Base Sheet With 1-3/4" Zono Lite	12,000.00	EA	1,200.000	150.000	10.00	80.00	\$1,360.00	0.000
Lab Tear Off	100.00	SQ	6.000	0.750	16.67	133.33	\$2,266.67	0.000
Place Gravel 1/2" @ 500.00 Lbs. Per SQ	100.00	SQ	6.000	0.750	16.67	133.33	\$2,266.67	0.000
Install 1/2 Sht Fish & Cant @ Curbs With	96.00	LF	120.000	15.000	0.80	6.40	\$108.80	0.000
Lab Strip G/S	400.00	LF	200.000	25.000	2.00	16.00	\$272.00	0.000
Fab 11" Cover Plate	30.00	EA	48.000	6.000	0.63	5.00	\$100.00	0.000
Fab 9" Cover Plate	10.00	EA	48.000	6.000	0.21	1.67	\$33.33	0.000
Fab 10" Gravel Stop	300.00	LF	600.000	75.000	0.50	4.00	\$80.00	0.000
Fab 3" Cont. Cleat	400.00	LF	1,200.000	150.000	0.33	2.67	\$53.33	0.000
Fab 8" Gravel Stop	100.00	LF	600.000	75.000	0.17	1.33	\$26.67	0.000
Inst 10" Gravel Stop	300.00	LF	200.000	25.000	1.50	12.00	\$216.00	0.000
Inst 3" Cont. Cleat	400.00	LF	200.000	25.000	2.00	16.00	\$288.00	0.000
Inst 8" Gravel Stop	100.00	LF	200.000	25.000	0.50	4.00	\$72.00	0.000
Inst 11" Cover Plate	30.00	EA	40.000	5.000	0.75	6.00	\$108.00	0.000
Inst 9" Cover Plate	10.00	EA	40.000	5.000	0.25	2.00	\$36.00	0.000
Job Totals:					69.63	557.07	\$9,554.13	

Pricing - Purchase Report

Deck Replacement Cost

Silvers

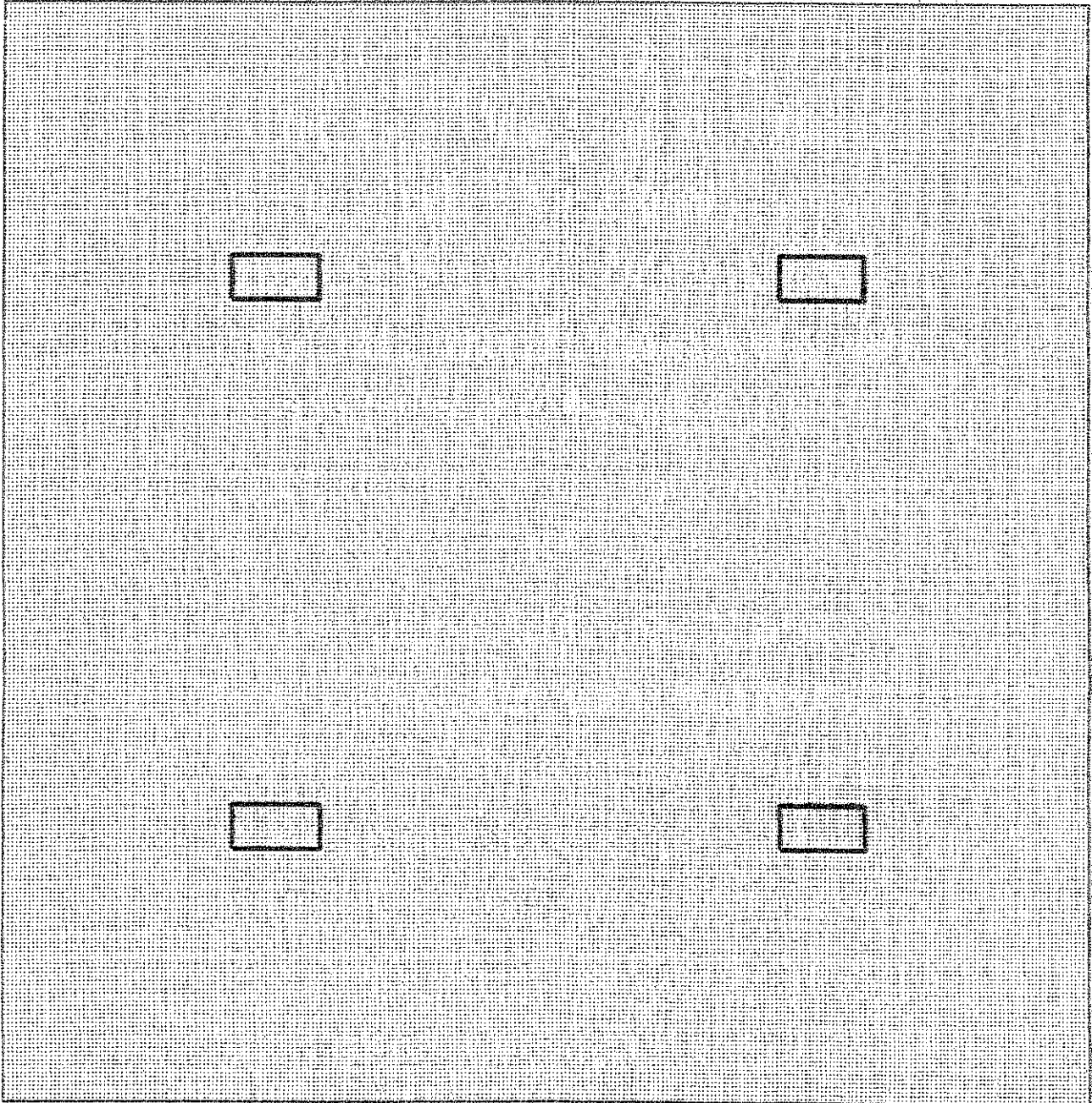
Description	Ord Qty	Ord Un	Unit Price	Unit Price	Proc Un	Ext Price
1-3/4" Zono Life	12.00	M	116.000		M	\$1,392.00
1" Cap Nail	144.00	EA	0.030		EA	\$4.32
1-1/4" Roof Nail	1,600.00	EA	0.020		EA	\$32.00
Curb Insulation	96.00	SF	0.450		SF	\$43.20
Tamko Awaplan 170	2.00	ROLLS	56.000		ROLLS	\$112.00
Tamko Tam-Ply IV 5 sq	61.00	ROLLS	25.650		ROLLS	\$1,564.65
Tamko Vapor-Chan Base Sheet	100.00	ROLLS	25.470		ROLLS	\$2,547.00
Asphalt Type III by Carton	150.00	CTNS	36.000		CTNS	\$5,400.00
Flashing Cement	4.00	CANS	32.350		CANS	\$129.40
Plastic Cement	8.00	CANS	25.950		CANS	\$207.60
Asphalt Primer Quick Dry	1.00	5GAL	25.950		5GAL	\$25.95
Gravel 1/2" by Ton	25.00	TONS	60.000		TONS	\$1,500.00
4' 0" X 10' 0" .032 Alum P/F	10.00	SHTS	42.000		SHTS	\$420.00
4' 0" X 10' 0" .040 Alum M/F	3.00	SHTS	44.000		SHTS	\$132.00
5" Cant Strip	96.00	LF	0.460		LF	\$44.16
Dump Loads	5.00	LOADS	350.000		LOADS	\$1,750.00
4" Membrane	1.00	ROLLS	12.700		ROLLS	\$12.70
Job Totals:						\$15,316.98

Drawing Report

Remove 4 Ply BUR w/ Grvl on Gyp Replace w/ Same

Deck Replacement Cost

Silvers











Legend	Pitch	Description	SF	LF	EA
	<none>	Perimeter		400.00	
	<none>	Existing Low Slope Roof Structure	10,000.00	400.00	

Drawing Report
 Remove 4 Ply BUR w/ Grvl on Gyp Replace w/ Same

Deck Replacement Cost

Silvers

Legend	Pitch	Description	SF	LF	EA
	<none>	Remove Grvl Srfc BUR on Gyp	10,000.00	400.00	
	<none>	Gls Base Nld (Gyp)	400.00	160.00	
	<none>	Gls Base Nld (Gyp)	3,200.00	720.00	
	<none>	Gls Base Nld (Gyp)	6,400.00	320.00	
	<none>	Built-up, 3 Ply IV w/ Grvl (on Bs Sht)	10,000.00	400.00	
	<none>	1/2 Sht Flsh & Cant @ Curbs		96.00	
	<none>	Gravel Stop, High		300.00	
	<none>	Gravel Stop, Low		100.00	

Roofing Cost and Profit Recap Report
 Entire Job

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Deck Replacement Cost

Silvers

Description	Net Amount	Markup	Gross Amount	Cost/Unit	Man Hours
Material					
07-100-010 ROOFING MATERIAL			\$30,832.75	308.261/SQ	
07-100-016 SHT/MIL MATERIAL			\$552.00	5.519/SQ	
07-100-038 METAL DECK MATERIAL			\$17,500.00	174.962/SQ	
07-100-096 MISC MATERIAL			\$43.20	0.432/SQ	
Material Subtotal			\$48,927.95	489.173/SQ	
	Tax	7.00%	\$3,424.96	34.242/SQ	
	SubTotal Material		\$52,352.90	523.415/SQ	
Labor					
07-100-011 ROOFING LABOR			\$38,203.53	381.952/SQ	2247.27
07-100-017 SHT/MIL FAB LABOR			\$293.33	2.933/SQ	14.67
07-100-018 SHT/MIL INSTALL LAB			\$720.00	7.198/SQ	40.00
Labor Subtotal			\$39,216.86	392.084/SQ	2301.93
	Labor Burden	85.00%	\$33,334.34	333.271/SQ	
	SubTotal Labor		\$72,551.20	725.355/SQ	
SubContract					
SubContract Subtotal			\$0.00	0.000/SQ	
Equipment					
Equipment Subtotal			\$0.00	0.000/SQ	
Other					
Other Subtotal			\$0.00	0.000/SQ	
Miscellaneous					
Toilets	\$100.00	0.00%	\$100.00		
Permit	\$1,200.00	0.00%	\$1,200.00		
Miscellaneous Subtotal	\$1,300.00	0.00%	\$1,300.00	12.997/SQ	
	Subtotal		\$126,204.10	1,261.767/SQ	
	Overhead	40.00%	\$50,481.64	504.707/SQ	
Profit		4.99%	\$8,814.26	88.123/SQ	
	Bond		\$0.00	0.000/SQ	
	Bid Total		\$185,500.00	1,854.598/SQ	
Profit-To-Sell:	4.75%		52,000	520/SQ	
Total SQ	100.022		133,500	1335/SQ	
Total Hours:	2301.93				
Total Mandays:	287.74				
SQ/Hour	0.043				
SQ/Manday	0.348				

REMOVE GYP DOOR, INSTALL METAL DOOR + RIGID INSULATION

Condition Summary

Silvers

Deck Replacement Cost

Description	Quantity	EU	0.00% Mat'l \$	0.00% Labor \$	0.00% Sub \$	0.00% Equip \$	0.00% Other \$	Total \$	Price/EU	EU
Page = Remove Gypsum Deck & Replace w/ Metal Deck & Insulation										
Remove Gypsum Deck	10,000.00	SF	\$3,500	\$13,600	\$0	\$0	\$0	\$17,100	1.710	SF
Metal Roof Deck	10,000.00	SF	\$18,500	\$13,600	\$0	\$0	\$0	\$32,100	3.210	SF
Wood Nailers	400.00	LF	\$295	\$155	\$0	\$0	\$0	\$450	1.126	LF
Remove Gvl Sfc BUR on LWC	10,000.00	SF	\$1,750	\$2,267	\$0	\$0	\$0	\$4,017	0.402	SF
Insl 3.0 Plyiso(mch att), 1/2 Wd Fbr(ir	6,401.39	SF	\$8,639	\$2,176	\$0	\$0	\$0	\$10,815	1.690	SF
Insl 3.0 Plyiso(mch att), 1/2 Wd Fbr(ir	3,200.69	SF	\$4,422	\$1,197	\$0	\$0	\$0	\$5,619	1.755	SF
Insl 3.0 Plyiso(mch att), 1/2 Wd Fbr(ir	400.09	SF	\$566	\$163	\$0	\$0	\$0	\$729	1.822	SF
Built up, 4 Ply IV w/ Gvl (on inslin)	10,002.17	SF	\$9,826	\$4,664	\$0	\$0	\$0	\$14,490	1.449	SF
1/2 Sht Fish & Cant @ Curbs	96.00	LF	\$299	\$109	\$0	\$0	\$0	\$408	4.248	LF
Gravel Stop, High	300.00	LF	\$413	\$760	\$0	\$0	\$0	\$1,173	3.911	LF
Roof Edge Flashing	300.00	LF	\$198	\$204	\$0	\$0	\$0	\$402	1.339	LF
Gravel Stop, Low	100.00	LF	\$102	\$253	\$0	\$0	\$0	\$355	3.550	LF
Roof Edge Flashing	100.00	LF	\$66	\$68	\$0	\$0	\$0	\$134	1.339	LF
Total Remove Gypsum Deck & Repla			\$48,575	\$39,217	\$0	\$0	\$0	\$87,792		
Job Totals:			\$48,575	\$39,217	\$0	\$0	\$0	\$87,792		

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Pricing - Purchase Report

Deck Replacement Cost

Silvers

Description	Ord Qty	Ord Un	Unit Price	Unit Price	Prs Un	Ext Price
1/2"x4' 0"x8' 0"Wood Fiber	101.00	SQ	24.750		SQ	\$2,499.75
3"x4' 0"x8' 0"Polyiso	101.00	SQ	93.000		SQ	\$9,393.00
2" 8D Hot Dipped Ring Shank Fasteners	2.00	M	12.500		M	\$25.00
3-3/4"Olympic Fastners	6,001.30	EA	0.060		EA	\$360.08
Insul Plate,Olympic Plastic Locking	6,001.30	EA	0.068		EA	\$408.09
1" Cap Nail	144.00	EA	0.030		EA	\$4.32
1-1/4" Roof Nail	1,600.00	EA	0.020		EA	\$32.00
Curb Insulation	96.00	SF	0.450		SF	\$43.20
Tamko Awaplan 170	2.00	ROLLS	56.000		ROLLS	\$112.00
Tamko Tam-Ply IV 5 sq	1.00	ROLLS	25.650		ROLLS	\$25.65
Tamko Tam-Ply IV 5 sq	81.00	ROLLS	23.050		ROLLS	\$1,867.05
1.5" 24GA Steel Deck G-50	10,000.00	SF	1.750		SF	\$17,500.00
Asphalt Type III by Carton	211.00	CTNS	36.000		CTNS	\$7,596.00
Flashing Cement	4.00	CANS	32.350		CANS	\$129.40
Plastic Cement	8.00	CANS	25.950		CANS	\$207.60
Asphalt Primer Quick Dry	1.00	5GAL	25.950		5GAL	\$25.95
Gravel by Ton	26.00	TONS	60.000		TONS	\$1,560.00
4' 0" X 10' 0" .032 Alum P/F	10.00	SHTS	42.000		SHTS	\$420.00
4' 0" X 10' 0" .040 Alum M/F	3.00	SHTS	44.000		SHTS	\$132.00
Metal Deck Screws ea	10,000.00	EA	0.100		EA	\$1,000.00
5" Cant Strip	96.00	LF	0.460		LF	\$44.16
Dump Loads	15.00	LOADS	350.000		LOADS	\$5,250.00
4" Membrane	1.00	ROLLS	12.700		ROLLS	\$12.70
1 x 4 Pressure Treated	400.00	LF	0.700		LF	\$280.00
Job Totals:						\$48,927.95

Labor Adjustments -Time

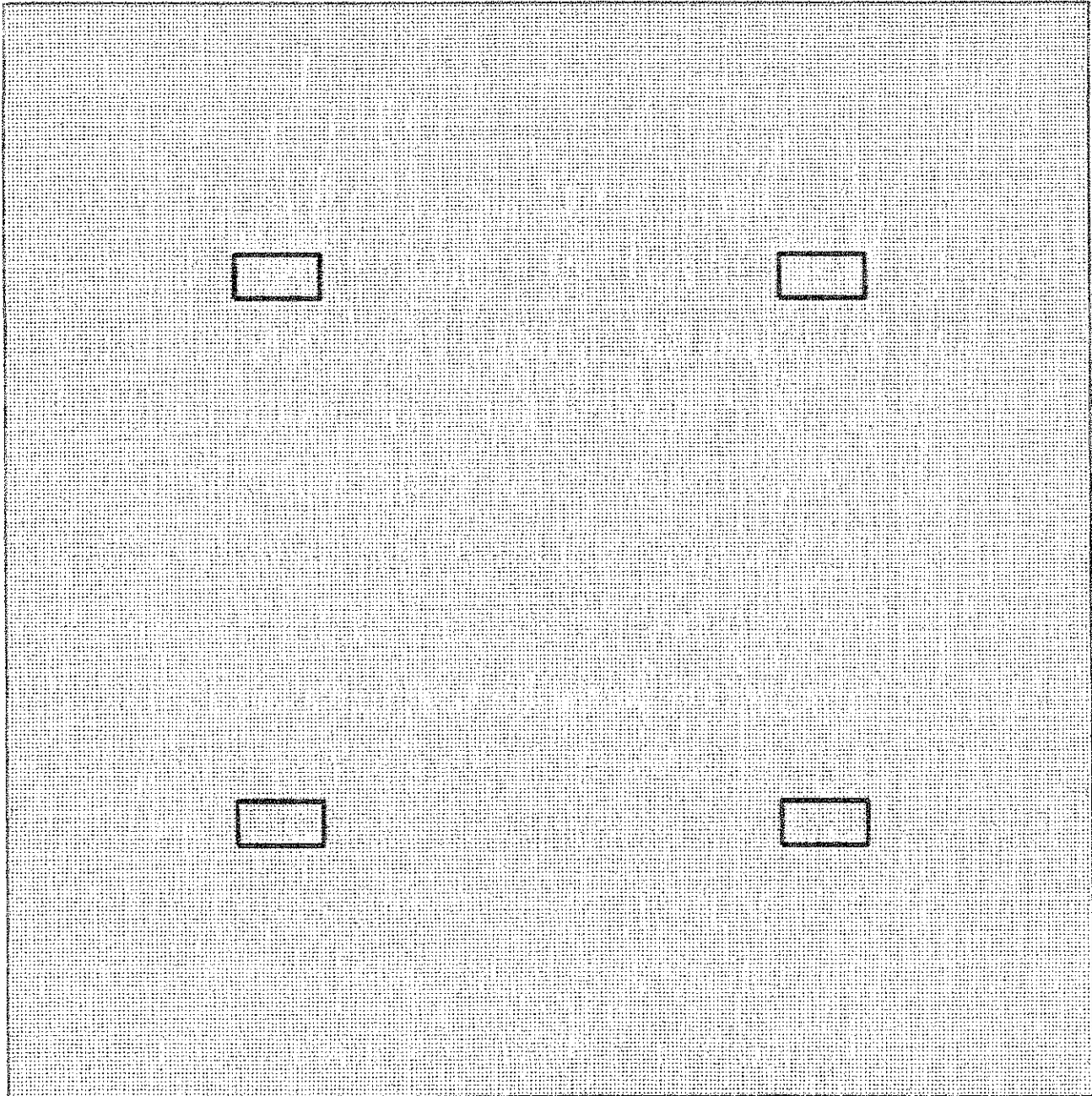
Deck Replacement Cost

Silvers

Description	Quantity	EU	EU/MDay	EU/Hour	MDays	Hours	Ext Price	Pcs/MDay
Mop 4.00 Plys	100.02	SQ	5.000	0.625	20.00	160.03	\$2,720.59	0.000
Mop 1/2"x 4' 0"x8' 0" Wood Fiber	100.02	SQ	15.000	1.875	6.67	53.34	\$906.86	0.000
Install 1/2"x 4' 0"x8' 0" Wood Fiber	100.02	SQ	15.000	1.875	6.67	53.34	\$906.86	0.000
Install 3"x 4' 0"x8' 0" Polyiso	100.02	SQ	15.000	1.875	6.67	53.34	\$906.86	0.000
Install Olympic 3-3/4" Fastener	6,001.30	EA	1,000.000	125.000	6.00	48.01	\$816.18	0.000
Lab Tear Off	100.00	SQ	6.000	0.750	16.67	133.33	\$2,266.67	0.000
Place Gravel @ 500.00 Lbs. Per SQ	100.02	SQ	7.000	0.875	14.29	114.31	\$1,943.28	0.000
Install 1/2 Sht Fish & Cant @ Curbs With	96.00	LF	120.000	15.000	0.80	6.40	\$108.80	0.000
Lab Strip G/S	400.00	LF	200.000	25.000	2.00	16.00	\$272.00	0.000
Lab Tear Off	100.00	SQ	1.000	0.125	100.00	800.00	\$13,600.00	0.000
Lab Fasten Deck	100.00	SQ	2.000	0.250	50.00	400.00	\$6,800.00	0.000
Lab Place Deck	100.00	SQ	2.000	0.250	50.00	400.00	\$6,800.00	0.000
Fab 11" Cover Plate	30.00	EA	48.000	6.000	0.63	5.00	\$100.00	0.000
Fab 9" Cover Plate	10.00	EA	48.000	6.000	0.21	1.67	\$33.33	0.000
Fab 10" Gravel Stop	300.00	LF	600.000	75.000	0.50	4.00	\$80.00	0.000
Fab 3" Cont. Cleat	400.00	LF	1,200.000	150.000	0.33	2.67	\$53.33	0.000
Fab 8" Gravel Stop	100.00	LF	600.000	75.000	0.17	1.33	\$26.67	0.000
Inst 10" Gravel Stop	300.00	LF	200.000	25.000	1.50	12.00	\$216.00	0.000
Inst 3" Cont. Cleat	400.00	LF	200.000	25.000	2.00	16.00	\$288.00	0.000
Inst 8" Gravel Stop	100.00	LF	200.000	25.000	0.50	4.00	\$72.00	0.000
Inst 11" Cover Plate	30.00	EA	40.000	5.000	0.75	6.00	\$108.00	0.000
Inst 9" Cover Plate	10.00	EA	40.000	5.000	0.25	2.00	\$36.00	0.000
Lab Inst 1 x 4	400.00	LF	350.000	43.750	1.14	9.14	\$155.43	0.000
Job Totals:					287.74	2301.93	\$39,216.86	

Deck Replacement Cost












Silvers



Legend	Pitch	Description	SF	LF	EA
	<none>	Perimeter		400.00	
	<none>	Existing Low Slope Roof Structure	10,000.00	400.00	

Deck Replacement Cost

Silvers

Legend	Pitch	Description	SF	LF	EA
	<none>	Remove Gypsum Deck	10,000.00	400.00	
	<none>	Metal Roof Deck	10,000.00	400.00	
	<none>	Wood Nailer		400.00	
	<none>	Remove Grvl Srfc BUR on LWC	10,000.00	400.00	
	0.25/12	Insl 3.0 Plyiso(mch att), 1/2 Wd Fbr(mp)	6,401.39	320.07	
	0.25/12	Insl 3.0 Plyiso(mch att), 1/2 Wd Fbr(mp)	3,200.69	720.16	
	0.25/12	Insl 3.0 Plyiso(mch att), 1/2 Wd Fbr(mp)	400.09	160.03	
	0.25/12	Built up, 4 Ply IV w/ Grvl (on Insltn)	10,002.17	400.09	
	<none>	1/2 Sht Flsh & Cant @ Curbs		96.00	
	<none>	Gravel Stop, High		300.00	
	<none>	Gravel Stop, Low		100.00	

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Good morning all!

Here is some information to assist in costs.

Engineering Costs: Evaluation & Analysis per 707.3.2 2014 FEBC: \$2,000; Design Retrofit: \$1500, Cover Page, Specifications, Roof Plan & 4- Site Specific Details. Total Engineering \$3500.00

Project Location: Naples, FL.

Single Story Building, Mansard Roof, Plywood Deck, Wood Trusses, 24" O.C., CMU Construction with Bond Beam.

This building had existing single 1-inch wide embedded straps, which did not wrap up and over; and there was no 2x4 lateral braces. I've attached photos and a roof plan. Because the straps didn't wrap over, they fell short of the 75% of the current wind uplift load per section 707.3.2. If this would have not been the condition, only 2x4 lateral bracing would have been needed.

Our solution was to add a 2x4 blocking between the bottom truss cords along the wall and between the top cords at the roof deck, at every other truss (48" O.C.). At 8-ft. intervals (every other set of new blocking), install a diagonal brace from the new bottom blocking up to the top blocking. The 2x4 blocking was anchored at each end with 2-16d nails. The diagonal brace was attached to the blocking with 3-16d nails at each end. The new 2x4 blocking at the wall was tied into the concrete bond beam, with Simpson HGAM10 clips, for uplift.

Material Take-Off (w/o waste):

Material	Supplier	Unit Price	Unit	Quantity	Total
16d Nail	Homedepot	\$ 0.04	Ea.	400	\$ 16.00
2x4 SYP	Homedepot	\$ 0.40	Ln. Ft.	440	176.00
HGAM10	Homedepot	\$ 5.62	Ea.	40	224.80
					\$ 416.80

I hope this information is of assistance in the cost estimate of Section 707.3.2.

Sincerely,

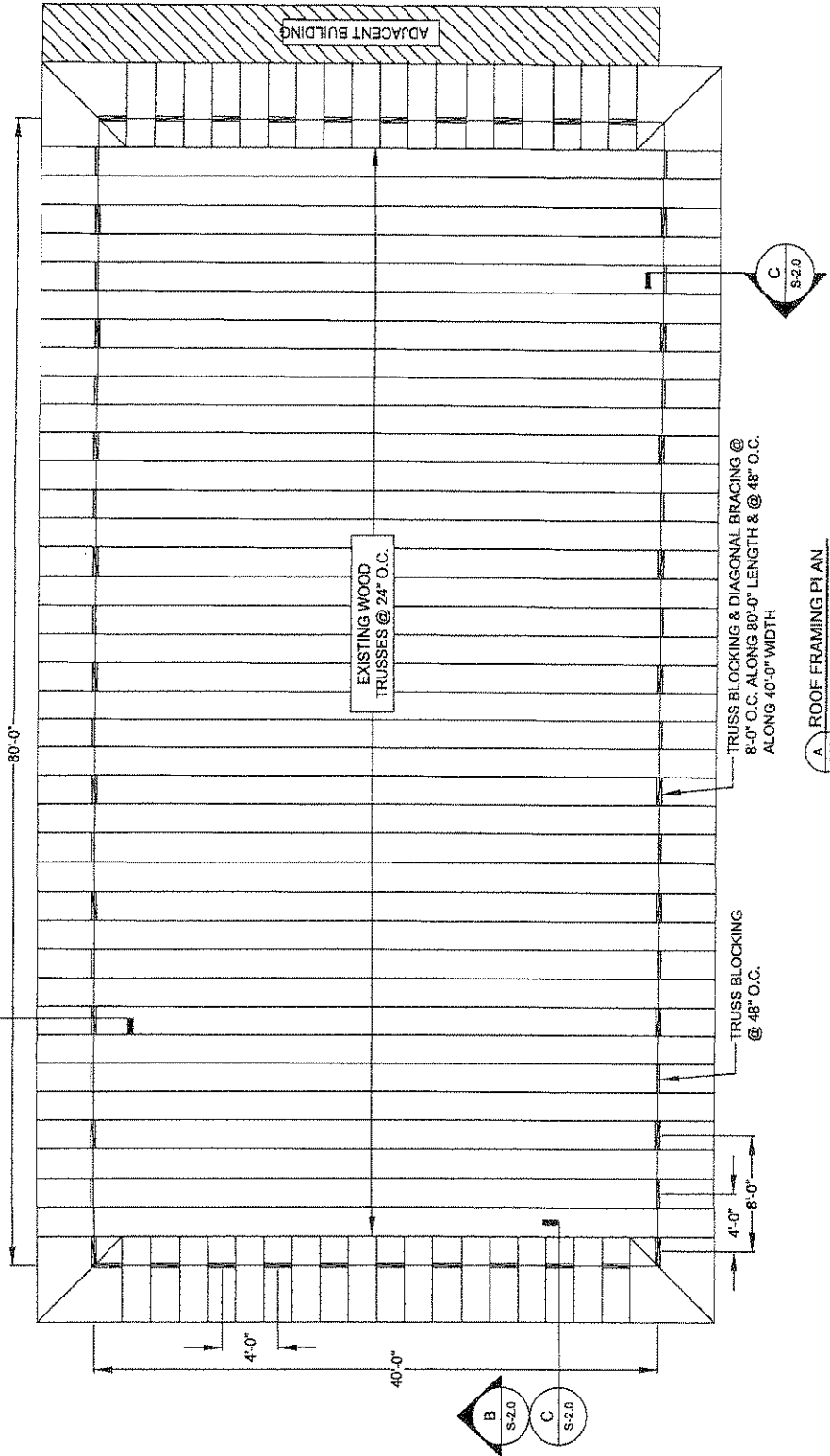
R. Lance Manson, CSI, CDT, RCI
Project Manager/ Roof Consultant/ Remote Pilot
RCI#43003



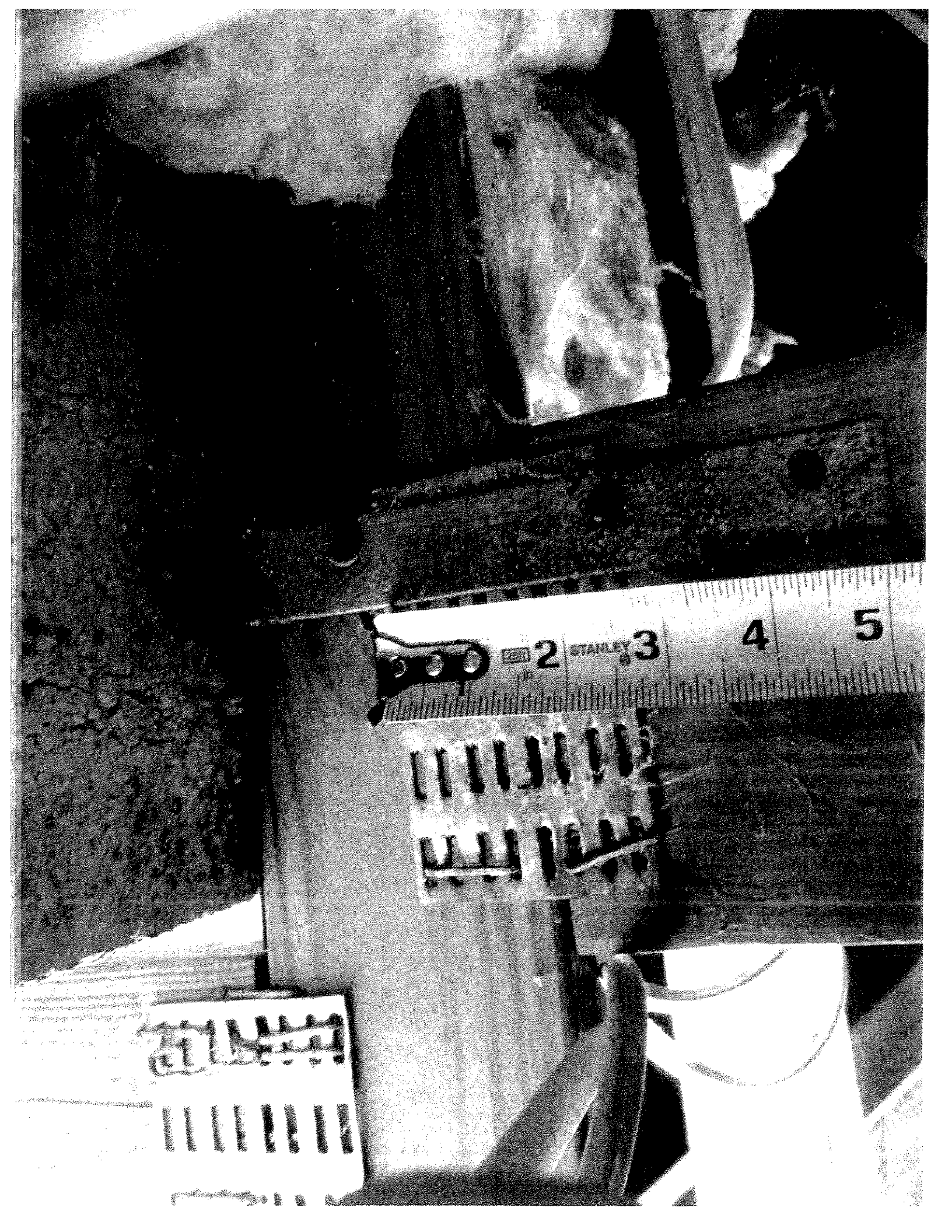
DELTA ENGINEERING & INSPECTION, INC.
HEADQUARTERS
6497 PARKLAND DRIVE, SUITE C
SARASOTA, FL 34243
PH: (941) 727-2600
FX: (941) 758-5012
CELL: (941) 779-6696

NOTES:

RE-NAIL EXISTING 1/2" PLYWOOD ROOF
DECK w/ 8d RING SHANK NAILS @ 6" O.C.
EDGES & 8" O.C. FIELD



A ROOF FRAMING PLAN
S-1.0 SCALE N.T.S.



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