

**Applicant Names:** [Full names of each applicant, alphabetical order by last name on one line]

**Title of project:** [Full title of project]

**Mentor Name:** [Full mentor name and their title]

**Receipt Report**

**Summary Table**

Last name first name	Original				Final				Stipen d Total	Original Total	Final Total	Differ ence
	Mat / Supp	Outso urce	Travel	Non- Stipen d Total	Mat / Supp Final	Outso urce Final	Travel Final	Non- Stipen d Final Total				
Member Name 1	\$2603	\$0	\$267	\$2870	\$2446	\$0	\$267	\$2713	\$1048. 5	\$3918.5	\$3761 .5	-\$157
If travel is included, please provide dates of travel: 4/1/2017 – 4/2/17 (Honolulu – Kona)												
Member Name 2	\$1658	\$0	\$267	\$1925	\$1532	\$0	\$267	\$1799	\$1048. 5	\$2973.5	\$2847 .5	-\$126
If travel is included, please provide dates of travel: 4/1/2017 – 4/2/17 (Honolulu – Kona)												
Member Name 3	\$200	\$0	\$267	\$467	\$162	\$0	\$267	\$429	\$1048. 5	\$1515.5	\$1477 .5	-\$38
If travel is included, please provide dates of travel: 4/1/2017 – 4/2/17 (Honolulu – Kona)												

**Group Budget**

Rec #	Item #	Item Name	QTY	CPU	Cost	Justification	Actual Cost	Differences w/ Explanation
Materials/Supplies								
1	1	Carbon Fiber Prereg-plain Weave	100	\$16.00	\$1600	Needed to create multiple thickness body panels for research. Unit price includes discount from current sponsor.	\$1408	-\$192 Received company's sponsorship
2	2	Core Material	6	\$118.40	\$710.40	Needed to create body panels for research.	\$690.82	-\$19.58 Received company's sponsorship
3-9	3	MDF	6	\$35.98	\$215.88	Manufacturing period for carbon fiber composite mold and body.	\$270.01	+\$54.13 Mold required more wood than expected
10-11	4	High Density A/B Liquid Foam	6	\$138.50	\$831	Manufacturing period for carbon fiber composite mold and body.	\$553.40	-\$277.6 Received company's sponsorship
12	5	Chop Mat	30	\$7.81	\$234.30	Manufacturing period for	\$220.21	-\$14.09

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		Fiberglass				carbon fiber composite mold and body.		Received company's sponsorship
13	6	Epoxy Resin	1	\$181.30	\$181.30	Needed to create mold for carbon fiber composite body	\$189.84	+\$8.54 Price increased due to taxes
14-16	7	Body Filler (Bondo)	5	\$31.50	\$157.50	Needed to create mold for carbon fiber composite body	\$177.96	-\$20.46 Cheaper than expected
17	8	Surfacing Primer	1	\$79.38	\$79.38	Needed to create mold for carbon fiber composite body	\$30.68	-\$48.7 Ended up needing less product than expected
19	9	Woven Fiberglass	30	\$3.24	\$97.20	Needed to create mold for carbon fiber composite body	\$282.72	+\$185.52 Price change and only able to buy rolls, not by length
N/A	10	Brushes	1	\$42	\$42	Needed to create mold for carbon fiber composite body	\$0	-\$42 Did not end up needing as they were available on campus
1	11	Resin Catalyst	1	\$81.25	\$81.25	Needed to create mold for carbon fiber composite body	\$85.08	+\$3.83 Price increased due to tax
Materials/Supplies Total					\$4230		\$3909	+\$321
Travel								
20	12	Airfare HNL- KOA 4/1- 4/2	3	\$190	\$570	Travel to Kona in order to enter completed vehicle in annual human powered vehicle race	\$570	No change
n/a	13	M&IE	6	\$77	\$462	Per diem for 2 days of travel for all three group members according to federal allowable rates.	\$462	Flat rate, no change
Travel Total					\$1032		\$1032	No Change
Non-Stipend Subtotal					\$5262		\$4941	+\$321
n/a	12	Stipend Group Member 1 2/6/17- 4/17/17	90 hours	\$11.65	\$1048.5	Manufacturing period for carbon fiber composite mold and body.	\$1048.5	No Change
n/a	12	Stipend Group	120 hours	\$11.65	\$1398	Manufacturing period for carbon fiber composite mold	\$1398	No Change

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**Mentor Name: [Full mentor name and their title]**

		Member 2 2/6/17- 4/17/17				and body.		
n/a	12	Stipend Group Member 3 2/6/17- 4/17/17	90 hours	\$11.65	\$1048.5	Manufacturing period for carbon fiber composite mold and body.	\$1048.5	No Change
Stipend Total					\$3495		\$3495	\$0 No Change
Total					\$8757		\$8436	-\$321

SAMPLE

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**Title of project: [Full title of project]**

**Mentor Name: [Full mentor name and their title]**

**Group member #1 budget w/ unspent funds**

Rec #	Item #	Item Name	QTY	CPU	Cost	Justification	Actual Cost	Differences w/ Explanation
<b>Materials/Supplies</b>								
1	1	Carbon Fiber Prereg- plain Weave	100	\$16.00	\$1600	Needed to create multiple thickness body panels for research. Unit price includes discount from current sponsor.	\$1408	-\$192 Received company's sponsorship
2	2	Core Material	6	\$118.40	\$710.40	Needed to create body panels for research.	\$690.82	-\$19.58 Received company's sponsorship
3-9	3	MDF	6	\$35.98	\$215.88	Needed to create mold for carbon fiber composite body	\$270.01	+\$54.13 Mold required more wood than expected
<b>Materials/Supplies Subtotal</b>					<b>\$2603</b>		<b>\$2446</b>	<b>+\$157</b>
<b>Travel</b>								
16	12	Airfare HNL- KOA 4/1- 4/2	1	\$190	\$190	Travel to Kona in order to enter completed vehicle in annual human powered vehicle race	\$190	No change
n/a	13	M&IE	2 days	\$77	\$154	Per diem for 2 days of travel for all three group members according to federal allowable rates.	\$154	Flat rate, no change
<b>Travel Subtotal</b>					<b>\$267</b>		<b>\$267</b>	<b>No change</b>
<b>Non Stipend Total</b>					<b>\$2870</b>		<b>\$2713</b>	<b>+\$157</b>
n/a	12	Group Member #1 Stipend 2/6/17-4/17/17	90 hours	\$11.65	\$1048.5	Manufacturing period for carbon fiber composite mold and body.	\$1048.5	No Change
<b>Total</b>					<b>\$3919</b>		<b>\$3762</b>	<b>+\$157</b>

**Stipend Table Group Member 1**

Date Range	Hours	Tasks
2/6/17-3/6/17	45 (11.5 hours/week)	After researching and formulating the functional requirements of the device, I began the molding of the frame.
3/6/17-4/6/17	45 (11.5 hours/week)	During this period, I continued to manufacture and the carbon fiber composite mold and body. I also tested the device by assisting in load calculations and testing the baseline rigidity of the steel frame to ensure its security.

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**Group member #2 Budget w/ unspent funds**

Rec #	Item #	Item Name	QTY	CPU	Cost	Justification	Actual Cost	Differences w/ Explanation
<b>Materials/Supplies</b>								
2,10	4	High Density Liquid Foam	6	\$138.50	\$831	Needed to create mold for carbon fiber composite body	\$553.40	-\$277.6 Received company's sponsorship
11	5	Chop Mat Fiberglass	7.81	\$30	\$234.30	Needed to create mold for carbon fiber composite body	220.21	-\$14.09 Received company's sponsorship
1	6	Epoxy Resin	1	\$181.30	\$181.30	Needed to create mold for carbon fiber composite body	\$189.84	+\$8.54 Price increased due to taxes
12-14	7	Body Filler (Bondo)	5	\$31.50	\$157.50	Needed to create mold for carbon fiber composite body	177.96	-\$20.46 Cheaper than expected
15	8	Surfacing Primer	1	\$79.38	\$79.38	Needed to create mold for carbon fiber composite body	30.68	-\$48.7 Ended up needing less product than expected
15	9	Woven Fiberglass	30	\$3.24	\$97.20	Needed to create mold for carbon fiber composite body	\$282.72	+\$185.52 Price change and only able to buy rolls, not by length
<b>Materials/Supplies Subtotal</b>					<b>\$1658</b>		<b>\$1532</b>	<b>+\$126</b>
<b>Travel</b>								
16	12	Airfare HNL-KOA 4/1-4/2	1	\$190	\$190	Travel to Kona in order to enter completed vehicle in annual human powered vehicle race	\$190	No change
n/a	13	M&IE	2 days	\$77	\$154	Per diem for 2 days of travel for all three group members according to federal allowable rates.	\$154	Flat rate, no change
<b>Travel Subtotal</b>					<b>\$267</b>		<b>\$267</b>	
<b>Non Stipend Total</b>					<b>\$1925</b>		<b>\$1799</b>	<b>+\$126</b>
n/a	12	Stipend Group Member 2 2/6/17-4/17/17	120 hours	\$11.65	\$1398	Manufacturing period for carbon fiber composite mold and body.	\$1398	No Change
<b>Total</b>					<b>\$3323</b>		<b>\$3197</b>	<b>+\$126</b>

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Stipend Table Group Member 2

Date Range	Hours	Tasks
2/6/17-3/6/17	60 (15 hours/week)	After researching and formulating the functional requirements of the device, I began the molding of the frame. I also determined loads experienced in the event of a vehicle crash, tested load application, and overall FEA of vehicle
3/6/17-4/6/17	60 (15 hours/week)	After the vehicle was manufactured, I was responsible for testing of manufactured the body by way of many weighted torsional tests.

SAMPLE

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**Mentor Name:** [Full mentor name and their title]

**Group member #3 Budget w/ unspent funds**

Rec #	Item #	Item Name	QTY.	CPU	Cost	Justification	Actual Cost	Differences w/ Explanation
<b>Materials/Supplies</b>								
N/A	10	Brushes	1		\$42	Needed to create mold for carbon fiber composite body	0	-\$42 Did not end up needing as they were available on campus
1	11	Resin Catalyst	1		\$81.25	Needed to create mold for carbon fiber composite body	\$85.08	+\$3.83 Price increased due to tax
<b>Materials/Supplies Subtotal</b>					\$200		\$85.08	+\$42
<b>Travel</b>								
16	12	Airfare HNL- KOA 4/1-4/2	1		\$190	Travel to Kona in order to enter completed vehicle in annual human powered vehicle race	\$190	No change
n/a	13	M&IE	2 days		\$77	\$154	\$154	Flat rate, no change
<b>Travel Subtotal</b>					\$67		\$267	No Change
<b>Non Stipend Total</b>					\$467		\$429	+\$38
n/a	12	Group member 3 2/6/17- 4/17/17	90 hours		\$11.65	\$1048.5	\$1048.5	No Change
<b>Total</b>						\$1516	\$1478	+\$38

**Stipend Table Group Member 3**

Date Range	Hours	Tasks
2/6/17-3/6/17	45 (11.5 hours/week)	After researching and formulating the functional requirements of the device, I began the molding of the frame. I was specifically responsible for the manufacturing of fiberglass-epoxy mold, and carbon fiber composite sandwich panels.
3/6/17-4/6/17	45 (11.5 hours/week)	During this period, I continued to manufacture and the carbon fiber composite mold and body

**\*\*Item numbers correspond to item numbers in receipt report**

# Receipt No. 1

Customer Number [Redacted] Date **9/8/17**  
 Name [Redacted]  
 Address **UH**

QUAN	DESCRIPTION	PRICE	AMOUNT
1	2-11 4 1/2 x 4 1/8" = 100 YDS	13.85	1385.00
1	4-9 1/2" 4:1 RESIN		131.30
1	1-9 1/2" 4:1 FIBER		81.25
1	2" 2" Diving Mask Comp.		16.80
1	3/4" x 1/8" CRD-2000		8.50

**\$1607.55**  
**\$75.75**  
**\$1683.30**

SUB TOTAL **1607.55**  
 TAX **75.75**  
 SERVICE CHARGE  
**TOTAL 1683.30**

RECEIVED BY: Honolulu, Waikawa, Maui, Ventura, Los Angeles

(printed receipt for receipt #1)

Sale

Entry [Redacted]

Total: \$ **1,683.30**

03/08/17 10:46:07

Inv #: 000011  
 Apprvd: Online  
 Retrieval Ref. #: 00100003

ENCIPHERED TRANSACTION

# Receipt No. 2

## 2. Core Material

Customer Number [Redacted] Date **1/25/17**  
 Name **UH Wholesale**  
 Address [Redacted]

QUAN	DESCRIPTION	PRICE	AMOUNT
2	Stets 10 Diving reel	222.40	444.80
2	25ft 1/8" Diving reel	502.40	1004.80
1	2gnd Kit por foam	135.50	135.50

**\$667.86**

SUB TOTAL **667.86**  
 TAX **77.58**  
 SERVICE CHARGE  
**TOTAL 697.80**

RECEIVED BY: Honolulu, Waikawa, Maui, Ventura, Los Angeles

Sale

Total: \$ **697.80**

01/25/17 13:46:23

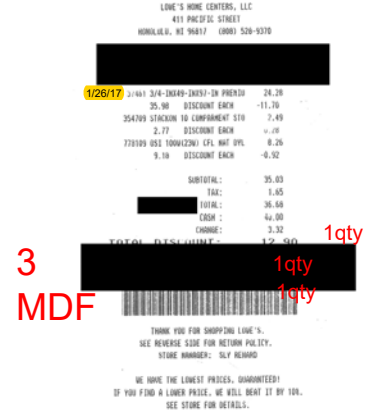
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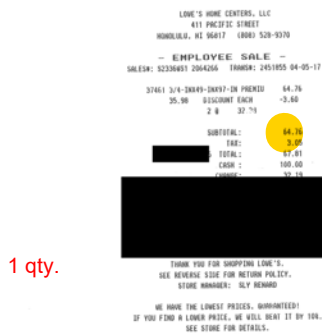
# Receipt No.3



# Receipt No. 4



# Receipt No. 5



# Receipt No.6



**\*\*Item numbers correspond to item numbers in receipt report**

## Receipt No.7

[REDACTED]

3	786167	3/4-4-8 TOP CHOICE MAPLE	44.98	1 qty (Extra)
MDF	49.98	DISCOUNT EACH	-5.00	
		1/28/17		
		SUBTOTAL:	44.98	
		TAX:	2.12	
		INVOICE 02107 TOTAL:	47.10	
		M/C:	47.10	
		TOTAL DISCOUNT:	5.00	

[REDACTED]

## Receipt No. 8

**THE HOME DEPOT** More saving. More doing.™

[REDACTED]

ORDER W586076520 2/17

0000-219-743 Medium Density Fiber	14.98
0000-354-221 Medium Density Fiberb	7.42
0000-833-096 Utility Panel (Common)	9.99

SUBTOTAL 32.39  
SALES TAX 1.53  
[REDACTED] 13.95  
[REDACTED] 13.95

P.O.#/JOB NAME: none

1701 90 59106 03/29/2017 9481

RETURN POLICY DEFINITIONS  
POLICY ID DAYS POLICY EXPIRES ON  
A 1 90 06/27/2017

3 qty (extra)  
THE HOME DEPOT RESERVES THE RIGHT TO LIMIT / DENY RETURNS. PLEASE SEE THE RETURN POLICY SIGN IN STORES FOR DETAILS.

ENTER FOR A CHANCE TO WIN A \$5,000 HOME DEPOT GIFT CARD!  
Tell us about your store visit! Complete our short survey and enter for a chance to win at:  
[www.homedepot.com/survey](http://www.homedepot.com/survey)

PARTICIPE EN UNA OPORTUNIDAD DE GANAR UNA TARJETA DE REGALO DE THD DE \$5,000!  
Comparta Su Opinion! Complete la breve encuesta sobre su visita a la tienda y tenga la oportunidad de ganar en:  
[www.homedepot.com/survey](http://www.homedepot.com/survey)

[REDACTED]

## Receipt No.9

**THE HOME DEPOT** More doing.™

421 ALAKAWA STREET  
HONOLULU, HI 96817 (808)521-7355

[REDACTED] 2/17

ORDER W586690923

0000-833-096 Utility Panel (Common)	1/8
589.99	49.95

SUBTOTAL 49.95  
SALES TAX 2.35  
[REDACTED] 52.30  
[REDACTED] 52.30

P.O.#/JOB NAME: none

[REDACTED]

RETURN POLICY DEFINITIONS  
POLICY ID DAYS POLICY EXPIRES ON  
A 1 90 06/29/2017

1 qty (Extra)  
THE HOME DEPOT RESERVES THE RIGHT TO LIMIT / DENY RETURNS. PLEASE SEE THE RETURN POLICY SIGN IN STORES FOR DETAILS.

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[www.homedepot.com/survey](http://www.homedepot.com/survey)

[REDACTED]

3 MDF

**\*\*Item numbers correspond to item numbers in receipt report**

# Receipt No. 10

4. High Density Foam

5

Chop Mat Fiberglass

Customer Number: [Redacted] Date: 1/30/17

QUAN	DESCRIPTION	METHOD OF PAYMENT			PRICE	AMOUNT
		VISA	M/C	CASH		
4	10001 RIT FIBR FIBR				349.00	4
1	1.5' X 10' FIBR W/ST				6.00	1
1	PK AES-6170S-10 S				5.50	1
1	AES-6170G-10 G				6.85	1
	Spreaders					

SALE TOTAL: 408.40  
 TAX: 4.78  
 TOTAL: 421.05

4. Foam Spreaders

# Receipt No. 11

4. High Density Foam

Customer Number: [Redacted] Date: 1/25/17

Name: Wholesale

QUAN	DESCRIPTION	METHOD OF PAYMENT			PRICE	AMOUNT
		VISA	M/C	CASH		
10	10001 RIT FIBR FIBR				2044.50	10
25	10001 RIT FIBR FIBR				604.00	25
7	2gal Kit per foam				135.50	7

SALE TOTAL: 2784.00  
 TAX: 32.58  
 TOTAL: 2816.58

4. Foam

# Receipt No. 12

5. Chop Mat Fiberglass

Customer Number: [Redacted] Date: 4/13/17

QUAN	DESCRIPTION	METHOD OF PAYMENT			PRICE	AMOUNT
		VISA	M/C	CASH		
3	4.0' x 8.0' 3mm Luster Chop Mat				701.20	3

SALE TOTAL: 210.30  
 TAX: 4.60  
 TOTAL: 220.21

# Receipt No. 13

6. Resin

Customer Number: [Redacted] Date: 3/8/17

QUAN	DESCRIPTION	METHOD OF PAYMENT			PRICE	AMOUNT
		VISA	M/C	CASH		
1	4.2' x 4.8' 10001 RIT FIBR FIBR				1345.00	1
1	4.9oz 4.1 Resin				181.50	1
1	1.9oz 4.1 Resin				81.25	1
1	2.4oz 4.1 Resin				10.80	1
1	3.0oz 4.1 Resin				15.00	1

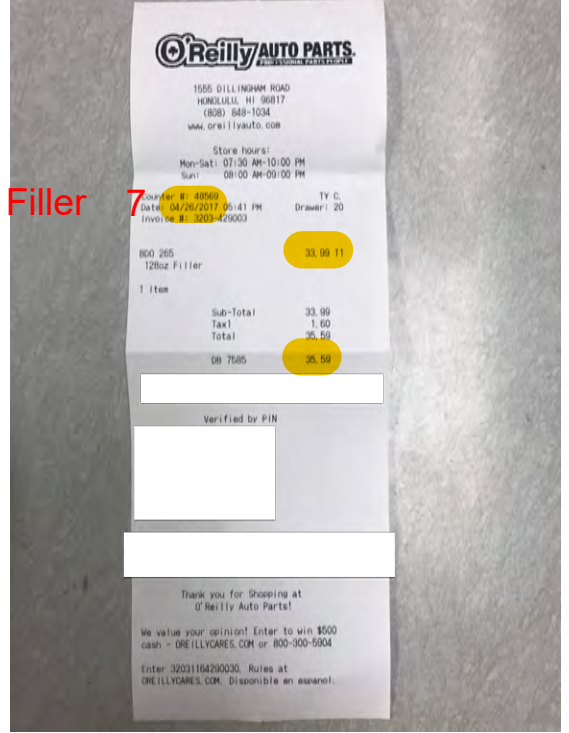
SALE TOTAL: 1607.55  
 TAX: 75.75  
 TOTAL: 1683.30

**Receipt No. 14**



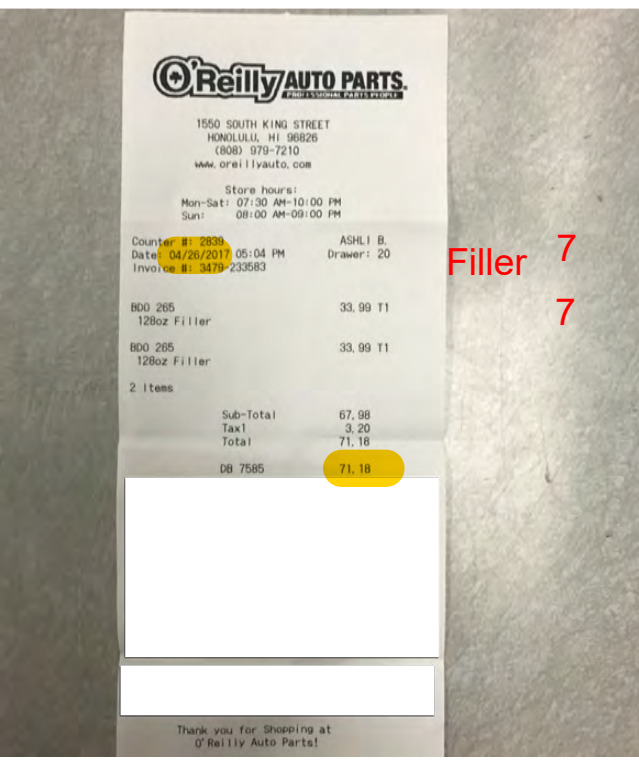
7 Filler

**Receipt No. 15**



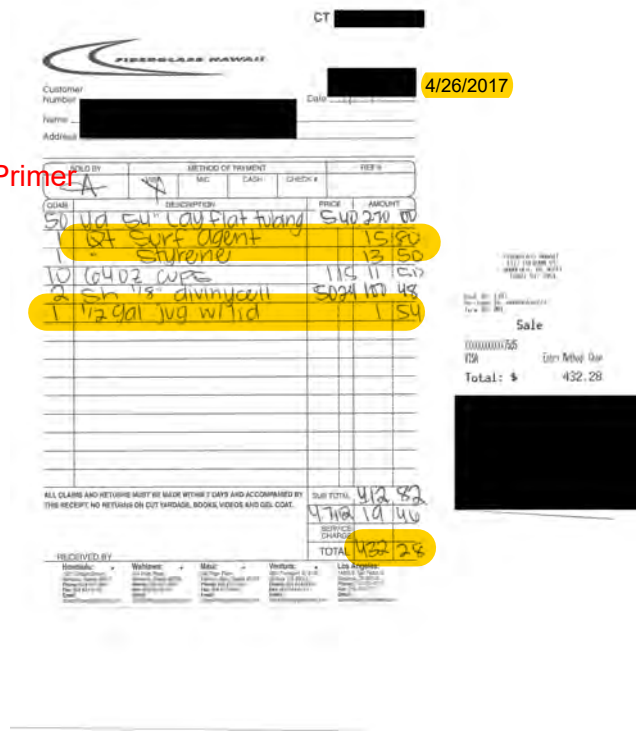
7 Filler

**Receipt No. 16**



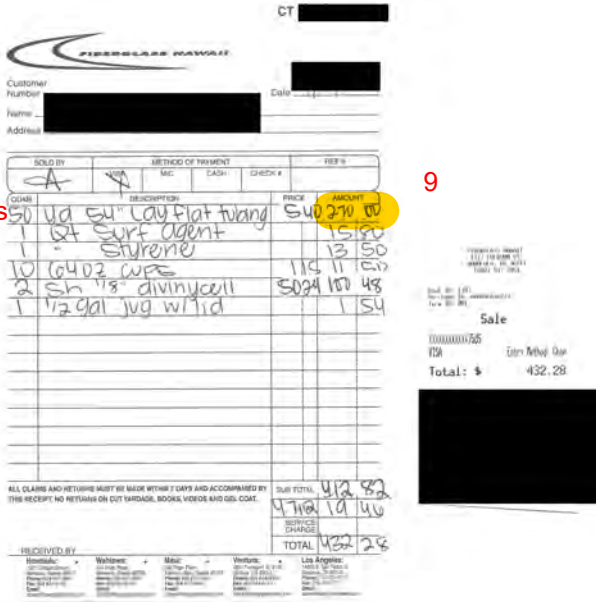
7 Filler

**Receipt No. 17**



8 Surfacing Primer

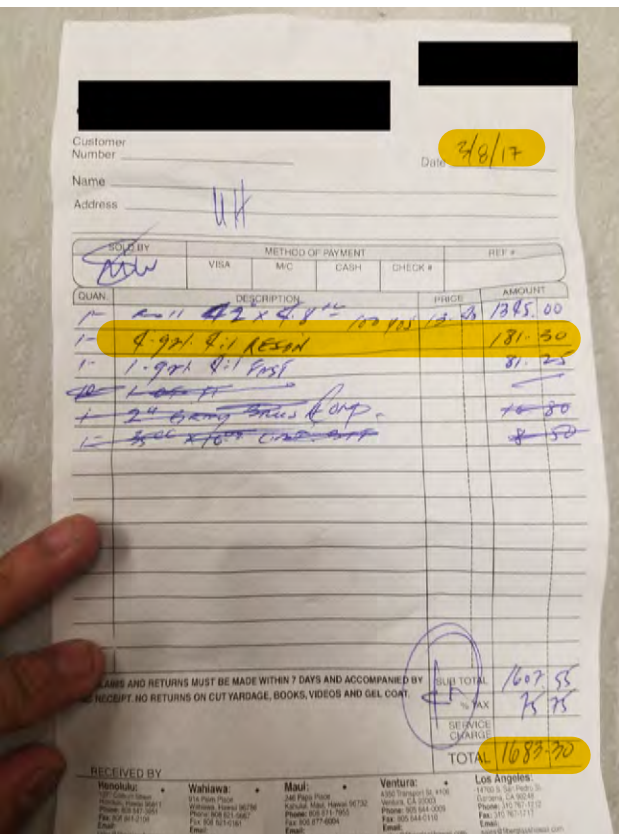
**Receipt No. 18**



9. Woven Fiberglass

9

**Receipt No. 19**



11 Resin Catalyst

(printed receipt for receipt #19)



# Receipt No. 20

Item # 12 (3 tickets)



43

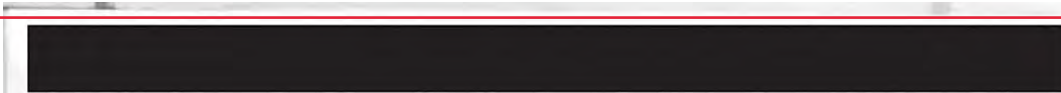
**Group member 1 airfare HNL-KOA  
4/1-4/2**

Route:	Seat:	Seat Type:	Options:	HawaiianMiles:	USD:
HNL-KOA 4/1/2017	9F	Main Cabin	Main Cabin Fare		\$80.00
KOA-HNL 4/2/2017	9F	Main Cabin	Main Cabin Fare		\$78.88

Taxes and Fees:	USD:
US Transportation Tax:	\$11.92
US September 11th Security Fee:	\$11.20
US Flight Segment Tax:	\$8.00
<b>Subtotal:</b>	<b>\$190.00</b>

Total Air Travel Cost (USD)

**\$190.00**



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**Group member 2 airfare HNL-KOA  
4/1-4/2**

Route:	Seat:	Seat Type:	Options:	HawaiianMiles:	USD:
HNL-KOA 4/1/2017	9F	Main Cabin	Main Cabin Fare		\$80.00
KOA-HNL 4/2/2017	9F	Main Cabin	Main Cabin Fare		\$78.88

Taxes and Fees:	USD:
US Transportation Tax:	\$11.92
US September 11th Security Fee:	\$11.20
US Flight Segment Tax:	\$8.00
<b>Subtotal:</b>	<b>\$190.00</b>

Total Air Travel Cost (USD)

**\$190.00**



43

**Group member 3 airfare  
HNL-KOA 4/1-4/2**

Route:	Seat:	Seat Type:	Options:	HawaiianMiles:	USD:
HNL-KOA 4/1/2017	9F	Main Cabin	Main Cabin Fare		\$80.00
KOA-HNL 4/2/2017	9F	Main Cabin	Main Cabin Fare		\$78.88

Taxes and Fees:	USD:
US Transportation Tax:	\$11.92
US September 11th Security Fee:	\$11.20
US Flight Segment Tax:	\$8.00
<b>Subtotal:</b>	<b>\$190.00</b>

**\$190.00**