

**APPENDIX D**

**BUILDER'S MATERIAL COST**



**Material List**  
**Beaufort Steel Demonstration Home**

<b>Component Description</b>	<b>Length (ft)</b>	<b>Quantity</b>	<b>Unit Price (\$)</b>	<b>Total Price (\$)</b>
AB-66 6x6 Adjustable Post Base		3	\$11.69	\$35.07
LUS210-3 2x10 TRPL JST Hanger		4	\$5.39	\$21.56
LUS28-3 2x8x10 Joist Hanger		30	\$0.62	\$18.60
NUTS-Bolts Screws -Washers		2	\$5.99	\$11.98
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1 1/4" Self Drilling Screws		1	\$11.20	\$11.20
1" Self Drilling Screws		1	\$10.10	\$10.10
1/2" Self Drilling Screws		2	\$5.60	\$11.20
16D CC Sinker Nail 50 LB		1	\$17.57	\$17.57
8D GALV Common 5LB		1	\$5.32	\$5.32
BOX 2 1/2" Self Tapping Screw		2	\$9.49	\$18.98
BX 1 1/4" TEK Screw		2	\$89.95	\$179.90
BX 1 3/4" Paslode Coil Nail		2	\$289.00	\$578.00
N8DB 1LB 1-1/2" Hanger Nail		5	\$2.99	\$14.95
Self Tap DW Screw 5LB		1	\$14.99	\$14.99
2x10-16 2# S4S Treated YP		20	\$8.25	\$165.00
2x12-14 SPF/ HEM -FIR		3	\$12.75	\$38.25
2x8-12 2 SPF/ HEM-FIR		10	\$7.52	\$75.20
2x8-14 2# S4S Treated YP		10	\$15.75	\$157.50
23/32 4x8 T&G Sturdi-Floor		48	\$16.52	\$792.96
1/2 CDX PT .40 Plywood		1	\$14.99	\$14.99
6"x100" Self Stick W/P Tape 20		2	\$23.39	\$46.78
9x150 TYVEK House Wrap		2	\$128.23	\$256.46
7/16 4x8 OSB Sheathing		114	\$6.99	\$796.86
10"x100" 6MIL Clear Poly		1	\$24.26	\$24.26

**Material List**  
**Beaufort Steel Demonstration Home (cont.)**

<b>Component Description</b>	<b>Length (ft)</b>	<b>Quantity</b>	<b>Unit Price (\$)</b>	<b>Total Price (\$)</b>
1200S200-68	22'	46		
1200S200-68	21'	8		
1200S200-68	7'-11"	4		
1200S200-68	7'-8"	4		
1200T200-68	78	LF		
Blocking	2'	34		
350S162-33	9'	196		
350S162-33	8'-6"	52		
350S162-33	284	LF		
550S162-33	20'	12		
350T125-33	20'	40		
550S162-33	20'	5	Individual	Builder paid a
350S162-27	9'	104	prices for each	lump sum price
350S162-27	2'	14	framing	for the steel-
350T125-27	20'	15	member were	framing
800S162-43	34	1	not available.	package.
800T125-43	34	1		
550S162-43	22'	17		
550S162-33	16	32		
550S162-43	8'	9		
33 mil Brake Shape	68'	LF		
350S162-33	68'	LF		
350S162-33	3'	36		
350S162-33	1'	34		
350S162-33	20'	9		
350T125-33	20'	6		
Clip Angles	32	ea		
<b>Total Steel Material</b>				<b>\$7,250</b>
<b>Total Cost</b>				<b>\$10,579.66</b>

**Material List**  
**Beaufort Wood Demonstration Home**

<b>Component Description</b>	<b>Length (ft)</b>	<b>Quantity</b>	<b>Unit Price (\$)</b>	<b>Total Price (\$)</b>
LuS28 2x8&10 JOIST Hanger		30	\$0.62	\$18.60
LuS28 2x8&8 JOIST Hanger		6	\$0.44	\$2.64
Washer 2x2 SQ 1/8" 1/2" Hole		50	\$0.26	\$13.00
SIM TIE DOWNH-5 (TECOJR)		200	\$0.18	\$36.00
Adhesive Const 29 oz PL 400		12	\$3.49	\$41.88
16D GALV Common 520 LB		2	\$32.32	\$64.64
Nails 50# cc Sinkers 8D		2	\$15.10	\$30.20
Hanger Nails		1	\$20.00	\$20.00
Nails 50# cc Sinkers 16D		1	\$14.74	\$14.74
8D Galv. Common 5 LB		1	\$5.32	\$5.32
2x10 SPF	14	3	\$13.02	\$39.06
2x12 SPF	10	36	\$9.49	\$341.64
2x12 SPF	12	43	\$13.48	\$579.64
2x12 SPF	16	13	\$16.40	\$213.20
2x12 SPF	14	27	\$13.14	\$354.78
2x12 SPF	10	2	\$9.49	\$18.98
2x4 SPF	8.72	465	\$2.41	\$1,120.65
2x4 SPF	16	111	\$4.39	\$487.29
2x4 SPF	14	4	\$3.65	\$14.60
2x4 SPF	10	14	\$3.65	\$51.62
2x6 SPF	10	12	\$3.98	\$47.76
2x6 SPF	14	12	\$5.53	\$66.36
2x6 SPF	20	2	\$9.99	\$19.98
2x8 SPF	10	37	\$4.93	\$182.41
2x8 SPF	16	75	\$9.16	\$687.00
2x8 SPF	12	28	\$7.52	\$210.56
2x10 SPF	16	16	\$13.10	\$209.60
Parallam 5 1/4"x12"		26	\$11.94	\$310.44
Paralam 3 1/2"x12"		12	\$8.38	\$100.56
Plywood 3/4 Underlayment		46	\$16.52	\$759.92
Plywd OSB 7/16x 4x8		114	\$8.14	\$927.96
Rafter Ties		54	\$1.00	\$54.00
9x150 TYVEK House Wrap		2	\$128.23	\$256.46
10"x100" 6MIL Clear Poly		1	\$24.26	\$24.26
Flashing Tape (Self-Stick W/P Tape 20M)		2	\$23.39	\$46.78
<b>Total Cost</b>				<b>\$7,372.53</b>



**APPENDIX E**  
**HOUSE PHOTOGRAPHS**







**Wood House Floor Framing**



**Steel House Floor Framing**



**Wood House Floor Framing**



**Wood House Floor Framing**



**Wood House Wall Framing**



**Steel House Wall Framing**



**Wood House Wall Framing**



**Steel House Wall Framing**



**Wood House Wall Framing**



**Steel House Roof Framing**



**Sheathed Wood House**



**Sheathed Steel House**



**Finished Steel and Wood Homes**

