Zehnder Comfosystems

540 Portsmouth Ave.
Greenland NH 03840

always around you

Quote number:	**3-0329-03.14**
Project:	**USDOE Challenge House**
City:	**Syracuse**
State:	**NY**
Created by:	**Aubrey Gewehr**
Date:	**20-Mar-14**

Customer:	**SUNY ESF**
To attention of:	**Michelle Tinner**
Phone contact:	**239-682-2462**

Remarks: Boost switches are included for each full bathroom.
Amount of ComfoPipe (for intake/exhaust ducting) and ComfoTube (for distribution ducting) have been estimated as carefully as possible. Comfirm layouts prior to ordering to ensure sufficient materials for installation.
Note that this quote does not include shipping which can vary widely dependent upon several factors and will have to be calculated when ordering. Local pick-up available at the warehouse in Haverhill, MA.

Calculation of the required air flow rates

Floor	Room	Area [ft²]	Height [ft]	Volume [ft³]	Air volume [cfm]	
					Supply Air	Exhaust Air
Basement	Basement				24	12
		1,092	9.0	9,828		
First Floor	Living Rm					
	Dining Rm				12	
	Kitchen					36
	Laundry					12
	Study				12	
	Half Bath					12
	Hall/Stair					
		1,092	8.0	8,736		
Second Floor	Master Bed				24	
	Master Bath					24
	Bathroom					24
	South Bed				24	
	North Bed				24	
	Hall/Stair					
		832	8.0	6,656		
Total		**3,016**		**25,220**	**120**	**120**

Air exchange rate per hour **0.29**

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Comfosystems quotation

Article No.	Description	Quantity	List price piece	List price total
9304	ComfoAir 350 Ventilation device HRV VV Left with Pre-Heater	1	$2,395	$2,395
9362	Waterless P-Trap	1	$59	$59
9257	ComfoSense Controller with Mounting Box	1	$199	$199
9238	Remote-controlled unit Ease	2	$99	$198
9290	ComfoPipe 150/6" x 39"	8	$45	$360
9294	ComfoPipe 150/6" x 90 Deg	4	$29	$116
9296	ComfoPipe 150/6" Sleeve	2	$20	$40
9446	Roflex 150 Gasket PR w/tape	1	$42	$42
9410	Exterior Wall Grill 150/6"	2	$109	$218
9326	ComfoWell Mounting kit CA 350 CW-K 520	1	$179	$179
9320	ComfoWell Silencer CW-S 520	2	$299	$598
9330	ComfoWell Manifold CW-M 520 10 ports 75 (3")	2	$119	$238
9272	ComfoTube 75 ventilation tube 3" x 162.5 Ft.	6	$299	$1,794
9274	ComfoTube 75 O-Ring (Each)	50	$2	$100
9277	ComfoTube 90 cap (Each)	5	$6	$30
9442	TVA 75-3 Port diffuser box	1	$109	$109
9441	Return diffuser STB - 2 125 (5")	1	$45	$45
9308	ComfoTube diffuser box TVA 75	8	$69	$552
9309	Supply diffuser KE 125 (5")	3	$39	$117
9310	Return diffuser STB - 1 125 (5")	5	$28	$140
9408	Register Box CLD 75 (3.5")	6	$58	$348
9264	Register cover Roma White	6	$37	$222
9239	ComfoSet (75) Damper (Each)	4	$15	$60
9240	Filter G4 (Each) (MERV 7/8) ComfoAir 350 /550	2	$22	$44

TOTAL	$8,203
Contractor Discount	20%
EQUIPMENT TOTAL	**$6,562.40**
Commissioning Fee	$500
PROJECT TOTAL	**$7,062.40**

Conditions:
This quotation is applicable solely for the materials listed and in the quantities shown and is based upon the system design as understood at the time of the quotation. Changes to the system design, deviations in the actual construction or in the expected installation process may result in additional material requirements which are not included in this quotation.
This quotation is valid for the attached floorplan only and the layout must be confirmed by the purchaser prior to ordering to insure sufficient materials for installation.

Terms:
Quotation valid for 90 days from date above.
Shipping: FOB Ward Hill, MA or Port of Entry. Zehnder will select carrier unless otherwise requested by customer.
Payment terms: Credit Card unless otherwise agreed upon