

BOM Solar Air Heater

Roofing Bill of Materials								
Name	Part Number	Quantity	Cost	Make/Buy	Primary Vendor	Manufacturer	Part Status	Total Cost
starter strip	1005592713	1	62.47	Buy	The Home Depot	Owens Corning	9/29/2025	62.47
roofing	1001187882	28	45.97	Buy	The Home Depot	Owens Corning	9/29/2025	1287.16
ridge	1001188676	2	83.47	Buy	The Home Depot	Owens Corning	9/29/2025	166.94
tar paper	1002826267	1	105.00	Buy	The Home Depot	Owens Corning	9/29/2025	105.00
ice and water	1001189037	2	99.98	Buy	The Home Depot	Owens Corning	9/29/2025	199.96
stapler	172561	1	34.97	Buy	The Home Depot	Arrow	9/29/2025	34.97
staples	172669	1	4.97	Buy	The Home Depot	Arrow	9/29/2025	4.97
Hammer	1010927835	1	35.97	Buy	The Home Depot	Crescent	9/30/2025	35.97
nails	1007668444	1	53.00	Buy	The Home Depot	Everbilt	9/29/2025	53.00
D edge	894788	5	7.98	Buy	The Home Depot	Gibraltar	9/29/2025	39.90
Total								1990.34
After Tax								2177.233

Bill of Materials					
Item	Category	Description	Unit Cost	Quant	Cost
8"x6"x6" Wye	Materials: Ducting	Splits air for main room	\$17.98	1	\$17.98
8" 90	Materials: Ducting	Used at inlets ducts	\$9.98	9	\$89.82
6 inch 90	Materials: Ducting	Used at angled panel to direct ducts	\$8.68	2	\$17.36
8 x 6 adapter	Materials: Ducting	All transitions for attaching to panel	\$14.28	4	\$57.12
6 inch duct	Materials: Ducting	Routes air to main room	\$59.68	1	\$59.68
8 inch duct	Materials: Ducting	Routes air to front room	\$67.98	1	\$67.98
Duct Insulation	Materials: Ducting	Additional insulation energy retention	\$27.98	1	\$27.98
10 x 4 to 6 register box	Materials: Ducting	For vents in main and front room	\$12.49	3	\$37.47
10 x 4 vent	Materials: Ducting	General purpose vents for dispersion	\$13.98	3	\$41.94
Duct Tape	Materials: Ducting	Duct connections and sealing	\$13.98	1	\$13.98
Round G Vent pipe 8x5	Materials: Ducting	Used for Return	\$19.67	2	\$39.34
Aluminum Mesh	Material: Aluminum	Used as a vent for Return	\$5.98	1	\$5.98
4 x 8 White Polywall Panel	Materials: Panels	Replacing backing on panels	\$28.42	2	\$56.84
1 x 4 x 8 R-6	Materials: Panels	1 inch thick insulation for panels	\$36.02	3	\$108.06
Nashua 324A Premium Foil	Materials: Panels	For reassembling panel interiors	\$26.22	1	\$26.22
1/2 In 4 x 8 Polystyrene	Materials: Panels	1/2 inch thick insulation for panels	\$13.09	1	\$13.09
Total Budget					\$3,000
Total Cost					\$2,527.84
Remaining Budget					\$472.16