

# Red-Hot Workshop Materials List

## WALL AND ROOF FRAMING

<u>Description</u>	<u>Qty.</u>	<u>Item</u>
Bottom plates	5	2x4 x 16' treated lumber
Top plates	10	2x4 x 16' SPF lumber
Polycarbonate frame	10	2x4 x 16' SPF lumber
Studs	20	2x4 x 10' SPF lumber
Studs	30	2x4 x 9' SPF lumber
Studs	18	2x4 x 92-5/8" SPF lumber
Headers	4	2x10 x 8' SPF lumber
Headers	4	2x8 x 8' SPF lumber
Blocking	5	2x4 x 16' SPF lumber

## ROOF FRAMING

<u>Description</u>	<u>Qty.</u>	<u>Item</u>
Rafters	11	11-7/8" x 16' I-joist
Rims	2	11-7/8" x 18' rim joists
Rims	3	2x10 x 16' SPF lumber (rip)
End overhangs	4	2x4 x 20' SPF lumber
End overhangs	3	2x4 x 8' SPF lumber
Overhang/blocking	28	2x4 x 12' SPF lumber
Spacers	1	4'x8' x 1/2" OSB
Subfascia	4	2x4 x 14' SPF lumber
Roof sheathing	18	4'x8' x 5/8" OSB

## AWNING FRAMING

<u>Description</u>	<u>Qty.</u>	<u>Item</u>
Braces	15	2x4 x 8' cedar or treated lumber
Rims	1	2x8 x 10' cedar or treated lumber
Rims	3	2x8 x 8' cedar or treated lumber
Rims	2	2x4 x 10' cedar or treated lumber
Rims	6	2x4 x 8' cedar or treated lumber
Rafters	4	2x8 x 8' cedar or treated
Rafters	4	2x8 x 12' cedar or treated
Rafters	1	2x8 x 6' cedar or treated

## EXTERIOR TRIM

<u>Description</u>	<u>Qty.</u>	<u>Item</u>
Siding	20	4'x8' x 5/8" rough-sawn plywood
Battens	84	1x2 x 7' rough cedar or equal
Trim	80'	3/4" x 3/4" rough cedar or equal
Door trim	3	1x3 x 8' rough cedar or equal
Fascia	96'	1x6 rough cedar or equal

## POLYCARBONATE

Polycarbonate panels are typically used for greenhouse construction. If you live in a large city, you may find a local supplier. Otherwise there are several Web sites that specialize in polycarbonate. We ordered our material from Advance Greenhouses. Find the company online at [www.advancegreenhouses.com](http://www.advancegreenhouses.com) or call (877) 238-8357.

Following is a list of the panels you'll need. The list includes 6-ft.-wide panels for use at the corners. There will be a bit of waste on the 6-ft.-wide panels, since you'll cut them down to about 51-1/2" wide. The only reason for using extra-wide corner panels is to keep the joints between sheets aligned with the wall studs. If this doesn't matter to you, you can save money by refiguring the Materials List to use all 48-in.-wide panels. Also we've listed *rough sizes*. You'll cut these to fit.

### Clear 10mm polycarbonate

6-ft. wide panels	4	40" tall
	2	28" tall
	2	24" tall
4-ft. wide panels	3	54" tall
	4	40" tall
	8	36" tall
	2	32" tall
	4	24" tall
"H" trim	8	12'-long pieces
"U" trim	26	12'-long pieces
Special screws	300	#9 x 1-1/2" wood screws
Silicone caulk	1	tube

## WINDOWS AND DOORS

We used Marvin Integrity windows. You can use other windows, but be sure to modify the opening sizes accordingly.

Marvin Integrity	1	#3719 awning window
	2	#3719 2W1H awning window
Doors	1	6' x 6' 8" double door.
	1	2' 8" x 6' 8" single door.

## METAL ROOFING

We special-ordered metal roofing panels from our local roofing supplier. The panels we used are available from Metal Sales Manufacturing Corp. and are one of the few available styles that are designed to work on a low-slope roof. To find a local supplier, go to [www.mtlsales.com](http://www.mtlsales.com). We used model #IC72 in a Coated Galvalume finish. In addition to the 36-in.-wide panels you'll need sealing tape for each seam, foam plugs for the ends and special screws to attach one sheet to the other and to attach the panels to the roof sheathing. Ask your supplier to help you order accessories to match the panels you choose.

## METAL ROOFING

Roof panels	9	20' 3" long x 36" wide (coverage)
Accessories	18	foam filler strips
	180'	sealant tape
	200	seam screws
	350	field screws
	3	rolls of #30 roofing paper

## HARDWARE

15 lbs.	16d sinkers (framing nails)
15 lbs.	8d sinkers (framing nails)
5 lbs.	2" ring shank siding nails
5 lbs.	2-1/2" ring shank siding nails
2 lbs.	1-1/4" ring shank siding nails
1 lbs.	1-1/4" roofing nails
2 lbs.	1-1/2" joist hanger nails
16	1/2" x 5-1/2" carriage bolts
16	1/2" nuts and washers
1	box staples (for roof paper)
3	tubes of construction adhesive
4	lengths of metal wind bracing
44	RT-12 rafter ties
2	50' rolls of sill sealer
50	#12 x 5-5/8" GRK torx screws
2	packages of door shims
4	tubes of polyurethane caulk