

Component Housing Systems, USA

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FIRE RESISTANCE THERMAL CONTROL ROOFING SHINGLES



**TEMPERATURE READING
INSIDE AS OF 02-04-07
12:30 PM = 69 °F**

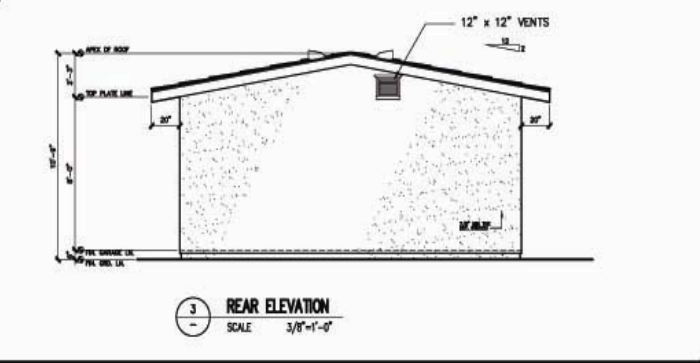
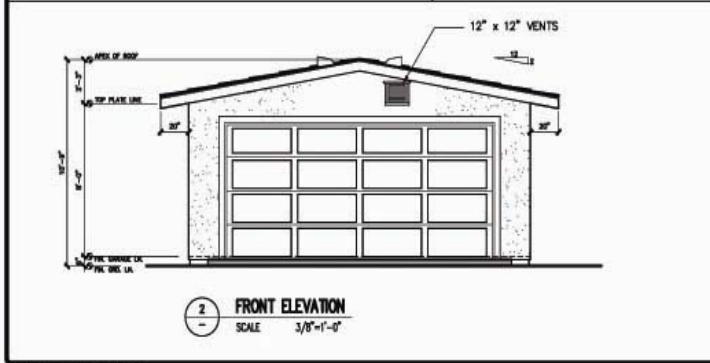
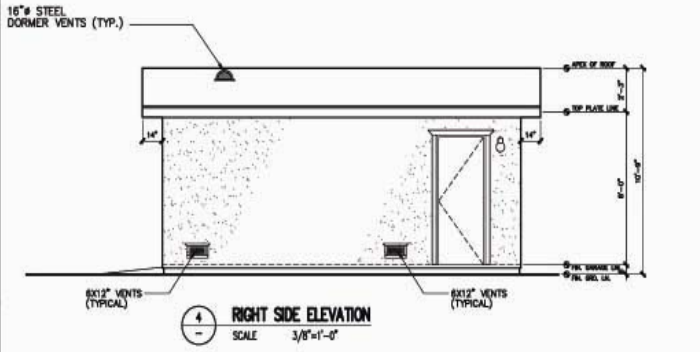
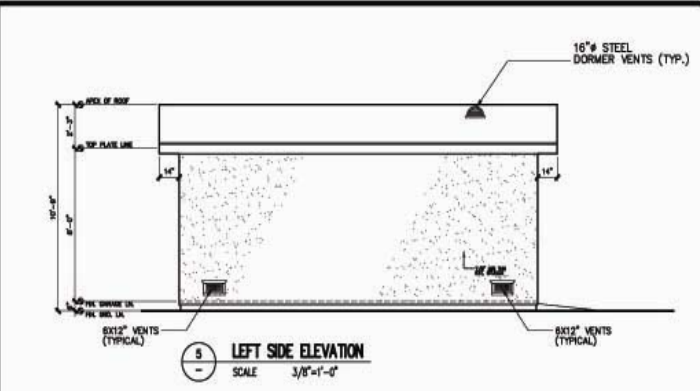
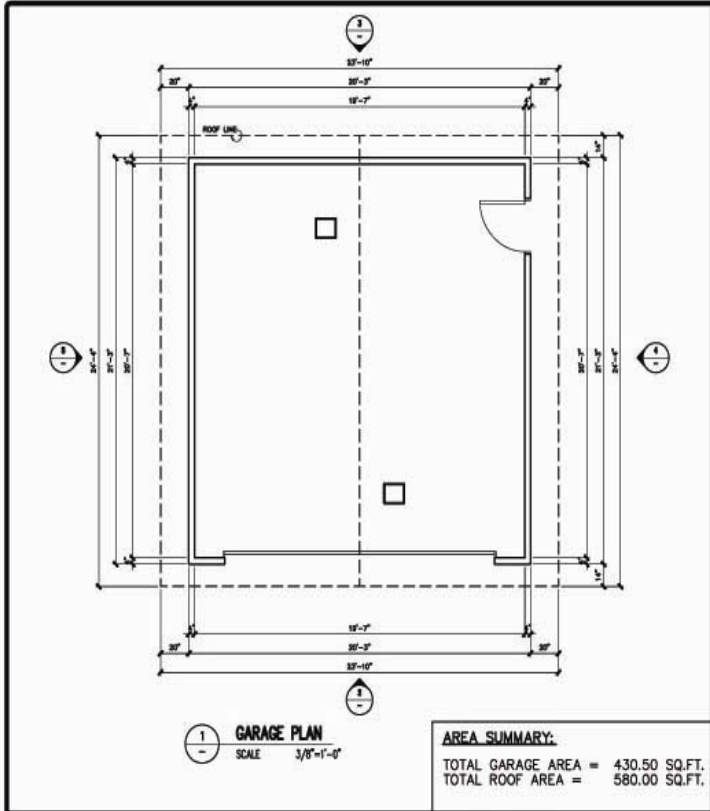


**ROOF TEMPERATURE READING
OUTSIDE AS OF 02-04-07
12:30 PM =119 °F**



**ROOF EAVES TEMPERATURE READING
OUTSIDE AS OF 02-04-07
12:30 PM = 88 °F**

DATE	TIME	GARAGE INSIDE	GARAGE ROOF	GARAGE SOUTH WALL	GARAGE INSIDE - GARAGE ROOF	GARAGE INSIDE - GARAGE SOUTH WALL	(H) HIGH OR (L) LOW
		(TEMP °F)	(TEMP °F)	(TEMP °F)	(TEMP °F)	(TEMP °F)	
02/04/07	12:30 PM	69	119	88	-50	-19	



REVISION	DATE

C.H.S.
 COMPONENT HOUSING SYSTEMS, U.S.A.
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GARAGE PLAN & ELEVATIONS

OWNER SCP
DATE 11-08-06
BY AS NOTED
PROJECT NO. 2256
REVISED
A-2

BEFORE
No Wall or Roof Insulation
100°F (38°C)



Ms. Mejia's Garage



BEFORE

No Wall or Roof Insulation – Garage Temperature Reading

COMPONENT HOUSING SYSTEMS, USA

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9/29/2006 (TEMPERATURE READING TEST)

TEMPERATURE READING OF EXISTING GARAGE

NO INSULATION IN THE WALLS AND NO INSULATION IN THE ROOF

The Area of the Garage is 430.50 Sq.Ft. (20'-3"x21'-3")

The Roof Coverage is 580 Sq.Ft. w/ 2:12 Pitch

Address of Existing Garage: 3867 Harvard Blvd., Los Angeles, CA 90262

DATE	TIME	GARAGE INSIDE (TEMP °F)	GARAGE ROOF (TEMP °F)	GARAGE SOUTH WALL (TEMP °F)	GARAGE INSIDE-GARAGE ROOF (TEMP °F)	GARAGE INSIDE-GARAGE SOUTH WALL (TEMP °F)	(H) HIGH OR (L) LOW
09/04/06	10:30 AM	90	108	92	-18	-2	
	3:30 PM	101	109	106	-8	-5	H
	5:00 PM	93	110	98	-17	-5	
	8:00 PM	68	90	78	-22	-10	
09/05/06	6:45 AM	59	64	62	-5	-3	L
	10:00 AM	80	104	88	-24	-8	
09/06/06	6:30 AM	74	76	70	-2	4	
	7:15 PM	74	94	82	-20	-8	
09/07/06	8:35 AM	72	76	74	-4	-2	
	7:45 PM	72	98	80	-26	-8	
09/08/06	7:00 AM	70	86	70	-16	0	
	6:50 PM	74	96	90	-22	-16	
09/09/06		68	74	70	-6	-2	
	3:45 PM	90	100	94	-10	-4	
	5:10 PM	82	100	84	-18	-2	
09/10/06	10:05 AM	73	86	80	-13	-7	
		92	108	97	-16	-5	
	4:45 PM	87	102	92	-15	-5	
09/11/06	7:40 AM	64	70	66	-6	-2	
	5:40 PM	98	98	84	0	14	

**OLD COMPOSITION ROOFING
TEMPERATURE NUMBER**

Application

Roof in 2 Days



Application (con't)



AFTER

Thermal Roof Installation Complete



With Thermal Roofing Shingles No Interior Wall Insulation

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9/29/2006 (TEMPERATURE READING TEST)

TEMPERATURE READING OF EXISTING GARAGE

NO INSULATION IN THE WALLS AND THE ROOF

WITH FIRE RESISTANCE THERMAL CONTROL ROOFING SHINGLES

The Area of the Garage is 430.50 Sq.Ft. (20'-3"x21'-3")

The Roof Coverage is 580 Sq.Ft. w/ 2:12 Pitch

Address of Existing Garage: 3867 Harvard Blvd., Los Angeles, CA 90262

DATE	TIME	GARAGE INSIDE (TEMP °F)	GARAGE ROOF (TEMP °F)	GARAGE SOUTH WALL (TEMP °F)	GARAGE INSIDE-GARAGE ROOF (TEMP °F)	GARAGE INSIDE-GARAGE SOUTH WALL (TEMP °F)	(H) HIGH OR (L) LOW
12/09/06	11:15 AM	63	100	80	-37	-17	
	11:45 AM	65	102	78	-37	-13	H
	6:00 PM	62	58	60	4	2	
12/10/06	10:00 AM	58	88	66	-30	-8	
	1:30 PM	68	88	72	-20	-4	
12/11/06	1:55 PM	66	98	79	-32	-13	
12/13/06	3:00 PM	61	88	72	-27	-11	
12/17/06	4:30 PM	60	52	58	8	2	
12/19/06	8:00 AM	44	52	38	-8	6	
	3:30 PM	60	74	65	-14	-5	
		52	40	48	12	4	
12/21/06	7:45 AM	46	38	40	8	6	
	3:30 PM	61	72	63	-11	-2	
12/22/06	7:30 AM	51	48	49	3	2	
	11:45 AM	60	86	69	-26	-9	
12/25/06	1:15 PM	70	112	86	-42	-16	H

NEW THERMAL ROOFING TEMPERATURE NUMBER

With Thermal Roofing Shingles (con't)

TEMPERATURE							
DATE	TIME	GARAGE INSIDE	GARAGE ROOF	GARAGE SOUTH WALL	GARAGE INSIDE-GARAGE ROOF	GARAGE INSIDE-GARAGE SOUTH WALL	(H) HIGH OR (L) LOW
		(TEMP °F)	(TEMP °F)	(TEMP °F)	(TEMP °F)	(TEMP °F)	
01/13/07	8:30 AM	42	54	38	-12	4	
	4:45 PM	59	49	58	10	1	
01/14/07	8:00 AM	39	28	32	11	7	L
	2:00 PM	60	73	64	-13	-4	
	6:35 PM	54	40	51	14	3	
01/15/07	8:00 AM	42	46	34	-4	8	
	7:15 PM	53	40	48	13	5	
01/16/07	7:30 AM	42	28	34	14	8	L
	7:50 PM	53	41	50	12	3	
01/17/07	8:00 AM	42	40	38	2	4	
01/22/07	1:50 PM	64	96	74	-32	-10	

**NEW THERMAL ROOFING
TEMPERATURE NUMBER**

BEFORE

Interior Degrees Chart

DATE	TIME	GARAGE INSIDE	GARAGE ROOF	GARAGE SOUTH WALL	GARAGE INSIDE-GARAGE ROOF	GARAGE INSIDE-GARAGE SOUTH WALL	
		(TEMP °F)	(TEMP °F)	(TEMP °F)	(TEMP °F)	(TEMP °F)	
09/04/06	10:30 AM	90	108	92	-18	-2	
	3:30 PM	101	109	106	-8	-5	H
	5:00 PM	93	110	98	-17	-5	
	8:00 PM	68	90	78	-22	-10	

AFTER

Interior Degrees Chart

DATE	TIME	GARAGE INSIDE	GARAGE ROOF	GARAGE SOUTH WALL	GARAGE INSIDE-GARAGE ROOF	GARAGE INSIDE-GARAGE SOUTH WALL	
		(TEMP °F)	(TEMP °F)	(TEMP °F)	(TEMP °F)	(TEMP °F)	
12/09/06	11:15 AM	63	100	80	-37	-17	
	11:45 AM	65	102	78	-37	-13	H
	6:00 PM	62	58	60	4	2	

58 Day Median Cooling Degrees Difference

39° F

/

4° C