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APPENDICES FOR COST DATA
FOR MANUFACTURED HOMES IN RCDP

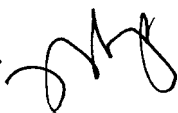
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SUMMARY

This volume is a complementary volume to Cost Data Collection for Manufactured Home in the Residential Construction Project, Volume 1 - Main Text. The first volume describes upgrades made to manufactured houses for the Residential Construction Demonstration Project (RCDP), which is part of the Bonneville Power Administration's Super Good Cents Program. This volume contains the appendixes to that report. These appendixes include the data collection forms used to gather the data, and a data dictionary that defines the fields in the database used to store the data. It also includes selected raw data from each of the three categories of databases: the base case home, the RCDP home, and the most common home.

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1.0 INTRODUCTION

In the Pacific Northwest, a major effort has been made to improve the energy efficiency of new buildings. In the residential building sector, energy-efficient standards for new construction, called Model Conservation Standards (MCS), have been proposed; and demonstration projects are under way to implement MCS features and to explore new conservation possibilities.

Bonneville Power Administration (Bonneville) administers a Pacific Northwest program to promote the construction and marketing of energy-efficient site-built homes. This program, Super Good Cents (SGC), pays incentives for new buildings that meet the MCS energy-efficiency levels. Starting in late 1987, Bonneville began a research and demonstration project to include HUD-code manufactured homes (homes built under the U.S. Department of Housing and Urban Development's standards) in the SGC program.

Under Bonneville's ongoing Residential Construction and Demonstration Project (RCDP), the region's manufacturers were invited to construct 150 manufactured homes meeting the SGC requirements for site-built homes (modified for manufactured home practices). Manufacturers received incentives to construct the homes and agreed to provide Bonneville cost data and other information related to their participation in the project. The goals of the RCDP for manufactured housing are to provide manufacturers and their dealers with technical assistance in producing and selling homes that will qualify as SGC homes, to collect information on the cost-effectiveness and improved thermal performance of manufactured homes, and to develop a process to qualify and certify manufactured homes for the SGC program.

The project is administered by the Washington State Energy Office (WSEO), with local project management provided by the state energy offices in Oregon, Idaho, and Montana. Pacific Northwest Laboratory (PNL)^(a) is responsible for gathering cost data specific to upgraded components from the manufacturers and for compiling the information in a database. PNL is also

(a) Pacific Northwest Laboratory is operated by Battelle Memorial Institute for the U.S. Department of Energy under Contract DE-AC06-76RLO 1830.

responsible for gathering information on manufacturers' attitudes and experiences with the program; this effort will result in several case studies describing the manufacturers' responses.(a) PNL will also perform ventilation and infiltration testing to determine the infiltration characteristics of homes in the project. Information gathered by PNL will be used to determine the effectiveness of different elements of the project.

This volume contains the appendixes to the main text in Volume 1, which provides information on PNL's activities in collecting technical and cost data, and presents selected descriptive results from the cost database. Analysis will be performed under a separate Bonneville contract after energy, ventilation, and infiltration rate data are collected.

Appendix A contains the three forms used to gather information on each of the 150 manufactured homes. Appendix B contains the data dictionary for the database system used for the data gathered for each home. Appendixes C, D, and E contain selected raw data from the base case databases, the RCDP databases, and the most common databases, respectively. The appendixes contain the data collection forms, a data dictionary, and selected raw data from three databases. The base case database contains data on the homes with the standard levels of energy efficiency measures, such as floor, wall, and ceiling insulation and without any SGC upgrades. The RCDP database contains the data for the 150 homes configured to meet SGC specifications. The most common database contains data for the same homes, but with the levels of energy-efficiency measures most commonly purchased.

(a) Lee, A. D. and S. A. Harkreader. 1989 (draft). Case Study of the Regional Manufacturer Participation in the Manufactured Housing RCDP. Pacific Northwest Laboratory, Richland, Washington.

APPENDIX A

DATA COLLECTION FORMS

APPENDIX A

DATA COLLECTION FORMS

Information was gathered on all 150 manufactured house using the following three forms for each house. The Base Case Model Characteristics form was used to gather information on the standard model home before Super Good Cents (SGC) upgrades were made. The RCDP Manufactured Homes Estimated Incremental Wholesale Costs form was used to collect information about each SGC house to be manufactured after the state energy office had approved the design. Both technical and incremental wholesale cost data were collected with the RCDP form. The Most Commonly Purchases Manufactured Home Incremental Wholesale Costs form was used to collect data about the most commonly purchased options for each base case model that would impact the energy usage of the home. The design of the most common form is almost identical to the RCDP form. Information is gathered on the RCDP and Most Common forms only if it is different from the base case model home. Technical information was gathered on the following components of each home: exterior walls, ceilings, floors, doors, glazing, heating equipment, ventilation systems, envelope infiltration central measures, vapor/moisture control measures, and ductwork.

BASE CASE MODEL CHARACTERISTICS

Please identify which base case model(s) you will upgrade to Super Good Cents Specifications. Please complete one set of these forms for each base case model.

1. Manufacturer: _____
Contact Person: _____
Address: _____
Phone No.: () _____

2. Base Case Model Number/Name: _____
Type: _____ Single Section _____ Multi-Section

- | | NET AREA | NOMINAL R-VALUE | UA-VALUE |
|---|----------|--------------------------|----------|
| 3. Exterior Walls
(excluding glazings) | _____ | _____ | _____ |
| Lumber Dimension: _____" x _____" | | Inches on center: _____" | |
| Comments: _____ | | | |

- | | NET AREA | NOMINAL R-VALUE | UA-VALUE |
|--------------------------------------|----------|--------------------------|----------|
| 4. Ceilings
(excluding skylights) | | | |
| A. Attic | _____ | _____ | _____ |
| B. Vaulted | _____ | _____ | _____ |
| Lumber Dimension: _____" x _____" | | Inches on center: _____" | |
| Comments: _____ | | | |

NET AREA

NOMINAL R-VALUE

UA-VALUE

5. Floor

Lumber Dimension: _____ " x _____ " Inches on center: _____ "

Comments: _____

6. Doors. Complete the following for each door type.

A. TYPE 1:

a. Manufacturer _____ Model No. _____

b. Type: _____ Wood _____ Metal (uninsulated)

_____ Metal (insulated) _____ Fiberglass

_____ Other (describe) _____

c: With Window? yes _____ no _____

d: With Thermal Break? yes _____ no _____

e: With Storm Door? yes _____ no _____

f: Area of all Type 1 doors (not including window area) _____

g: U-value (including storm door) _____ or R-value _____

h: Comments: _____

B: TYPE 2:

a. Manufacturer _____ Model No. _____

b. Type: _____ Wood _____ Metal (uninsulated)

_____ Metal (insulated) _____ Fiberglass

_____ Other (describe) _____

c: With Window? yes _____ no _____

d: With Thermal Break? yes _____ no _____

e: With Storm Door? yes _____ no _____

f: Area of all Type 2 doors (not including window area) _____

g: U-value (including storm door) _____ or R-value _____

h: Comments: _____

7. Glazing. Complete the following for each glazing type.

A. TYPE 1:

- a. ☐ Window ☐ sliding glass door ☐ skylight
- b. Manufacturer _____ Model No. _____
- c. Area of all Type 1 glazing: _____
- d. Number of Type 1 glazings: _____
- e. Number of panes for each Type 1 glazing: _____
- f. Storm Window present: yes ☐ no ☐
- If yes, which of the following:
- ☐ Interior
- ☐ Exterior
- ☐ Both
- g. Frame type: ☐ Metal ☐ Metal (thermally improved)
- ☐ Vinyl ☐ Wood
- ☐ Other (describe) _____
- h. U-value _____ Source of U-Value (check one):
- ☐ Tested U-value ☐ SGC Specification Default
- i. Comments: _____

B. TYPE 2:

- a. ☐ Window ☐ sliding glass door ☐ skylight
- b. Manufacturer _____ Model No. _____
- c. Area of all Type 2 glazing: _____
- d. Number of Type 2 glazings: _____
- e. Number of panes for each Type 2 glazing: _____

f. Storm Window present: yes ___ no ___

If yes, which of the following:

___ Interior

___ Exterior

___ Both

g. Frame type: ___ Metal ___ Metal (thermally improved)

___ Vinyl ___ Wood

___ Other (describe) _____

h. U-value _____ Source of U-Value (check one):

___ Tested U-value ___ SGC Specification Default

i. Comments: _____

C. TYPE 3:

a. ___ Window ___ sliding glass door ___ skylight

b. Manufacturer _____ Model No. _____

c. Area of all Type 3 glazing: _____

d. Number of Type 3 glazings _____

e. Number of panes for each Type 3 glazing: _____

f. Storm Window present: yes ___ no ___

If yes, which of the following:

___ Interior

___ Exterior

___ Both

g. Frame type: ___ Metal ___ Metal (thermally improved)

___ Vinyl ___ Wood

___ Other (specify) _____

h. U-value _____ Source of U-Value (check one):
_____ Tested U-value _____ SGC Specification Default

i. Comments: _____

D. TYPE 4:

a. _____ Window _____ sliding glass door _____ skylight

b. Manufacturer _____ Model No. _____

c. Area of all Type 4 glazing: _____

d. Number of Type 4 glazings: _____

e. Number of panes for each Type 4 glazing: _____

f. Storm Window present: yes _____ no _____

If yes, which of the following:

_____ Interior

_____ Exterior

_____ Both

g. Frame type: _____ Metal _____ Metal (thermally improved)

_____ Vinyl _____ Wood

_____ Other (describe) _____

h. U-value _____ Source of U-Value (check one):
_____ Tested U-value _____ SGC Specification Default

i. Comments: _____

8. Heating Equipment (check all that apply and indicate unit capacity and manufacturer:

Type:

___ central forced air (electric), capacity _____
manufacturer _____
___ electric resistance (fan wall unit), capacity _____
manufacturer _____
___ electric resistance (baseboard), capacity _____
manufacturer _____
___ heat pump, HSPF _____ capacity _____
manufacturer _____
___ central forced air (gas), capacity _____
manufacturer _____
___ woodstove, capacity _____
manufacturer _____
___ fireplace, quantity _____
___ other (describe): _____ capacity _____
manufacturer _____

Comments: _____

9. Ventilation Systems(s):

A. Primary/Central Systems:

a. Types (check all that apply):

___ Blendair or equivalent

Manufacturer _____ Model No. _____

___ Positive Air Induction (PAI)

Manufacturer _____ Model No. _____

___ Whole House Exhaust:

___ Discrete/Separate from Furnace

Manufacturer _____ Model No. _____

___ Integrated w/Furnace

Manufacturer _____ Model No. _____

___ Air-to-Air Heat Exchanger:

___ Discrete/Separate from Furnace

Manufacturer _____ Model No. _____

___ Integrated w/furnace

Manufacturer _____ Model No. _____

___ Other Ventilation System:

___ (describe): _____

Manufacturer _____ Model No. _____

b: Automated Controls (check all that apply):

___ Dehumidistat

___ Time of day Clocks

___ Cycle/Crank Timer

___ Other (describe): _____

___ None

c: Make-up Air (check one):

___ Wall Ports

___ Integrated w/Furnace

___ Other (describe): _____

___ None

B. Secondary/Room Systems:

Types: _____ Bath Fan: Number in house _____ CFM (each) _____
_____ Kitchen Fan: CFM _____
_____ Other (describe): _____ CFM _____
_____ None

C. Comments: _____

10. Envelope Infiltration Control Measures:

A. Windows: Tested leakage rate (if available): _____
Infiltration Control Measures: yes _____ no _____
If yes, which of the following:
_____ Weatherstripping
_____ Caulking
_____ Other (describe): _____

B. Doors: Tested leakage rate (if available) _____
Infiltration Control Measures: yes _____ no _____
If yes, which of the following:
_____ Weatherstripping
_____ Caulking
_____ Other (describe): _____

C. Joints: Infiltration Control Measures: yes _____ no _____
If yes, Describe: _____

D. Penetrations: Infiltration Control Measures: yes ____ no ____

If yes, Describe: _____

E. Continuous Air Barrier: yes ____ no ____

If yes, Describe: _____

F. Glued Sheet Rock: yes ____ no ____

If yes, Area of exterior wall covered by sheet rock:

G. Comments: _____

11. Vapor/Moisture Control Measures:

___ Wall; Describe: _____

___ Ceiling; Describe: _____

___ Floor; Describe: _____

Comments: _____

12. Ductwork (if any):

A. Insulated: yes ____ no ____

B. If insulated: R-value _____

Linear Feet of ductwork in unheated space _____

Average diameter or dimension of duct _____

C. Comments: _____

RCDP MANUFACTURED HOMES ESTIMATED INCREMENTAL WHOLESALE COSTS

This form is to be used to collect information about each SGC model to be manufactured after the design is completed and approved. Incremental wholesale costs include material, labor, profit, and overhead costs. Areas, U-Values, and UAs will be referenced from the WATTSUN print-out. Contact Steve Weakley, Battelle PNL, at (509) 376-8726 if you have any questions.

Manufacturer: _____

Contact Person: _____

Address: _____

Phone No.: () _____

Date of Estimate: _____

Identification (it is imperative to identify both SGC and base case model no.):

SGC Model No. _____ Base Case Model No. _____

Zone No. _____

Dimensions: Length _____ Width _____ Gross Floor Area _____

1. Components upgraded or changed to meet SGC specifications (referring to Base Case Model Characteristics please check all components changed):

☐ Exterior Walls	☐ Heating Equipment
☐ Ceilings	☐ Ventilation System(s)
☐ Floor	☐ Envelope Infiltration Control Measures
☐ Doors	☐ Vapor/Moisture Control Measures
☐ Glazing	☐ Ductwork

For the components checked above (those that were upgraded), please fill out ONLY the applicable sections below. Please total the total incremental cost for each section (2 through 11) and enter on the last line of the form.

2. EXTERIOR WALLS. Complete the following for each upgraded wall type.

A. Exterior Wall Type No. 1

- a. Net Type 1 wall area (excluding doors and windows) _____
- b. Framing: ☐ standard (16" on center) ☐ advanced (24" on center)
- c. Framing lumber dimension ____" x ____"
- d. Cavity insulation material type (check one):

TYPE	R-VALUE	AREA COVERED
☐ fiberglass batt	_____	_____
☐ blown in cellulose	_____	_____
☐ blown in batt w/adhesive binder . . .	_____	_____
☐ urethane foam	_____	_____
☐ foam core	_____	_____
☐ other (describe) _____	_____	_____
☐ none		

e. Rigid insulation material (non-cavity) (check one):

TYPE	R-VALUE	AREA COVERED
___ extruded polystyrene (blue/pink/grey/green board)	_____	_____
___ expanded polystyrene (bead board) . . .	_____	_____
___ isocyanurate (e.g. foil faced foam). . .	_____	_____
___ other (describe) _____	_____	_____
___ none		

f. (OPTIONAL) Incremental Type 1 wall material costs above base case (including incremental jamb and liner costs but excluding siding materials) \$_____

g. Total incremental Type 1 wall cost above base case (including incremental jamb and liner costs but excluding siding materials) \$_____

h. Comments: _____

B. Exterior Wall Type No. 2

a. Net Type 2 wall area (excluding doors and windows) _____

b. Framing: ___ standard (16" on center) ___ advanced (24" on center)

c. Framing lumber dimension ___" x ___"

d. Cavity insulation material type (check one):

TYPE	R-VALUE	AREA COVERED
☐ fiberglass batt	_____	_____
☐ blown in cellulose	_____	_____
☐ blown in batt w/adhesive binder . . .	_____	_____
☐ urethane foam	_____	_____
☐ foam core	_____	_____
☐ other (describe) _____	_____	_____
☐ none		

e. Rigid insulation material (non-cavity) (check one):

TYPE	R-VALUE	AREA COVERED
☐ extruded polystyrene (blue/pink/grey/green board)	_____	_____
☐ expanded polystyrene (bead board) . . .	_____	_____
☐ isocyanurate (e.g. foil faced foam). . .	_____	_____
☐ other (describe) _____	_____	_____
☐ none		

f. (OPTIONAL) Incremental Type 2 wall material costs above base case (including incremental jamb and liner costs but excluding siding materials) \$_____

g. Total incremental Type 2 wall cost above base case (including incremental jamb and liner costs but excluding siding materials) \$_____

h. Comments: _____

U

C. Exterior Wall Type No.3

- a. Net Type 3 wall area (excluding doors and windows) _____
- b. Framing: ___ standard (16" on center) ___ advanced (24" on center)
- c. Framing lumber dimension ___" x ___"
- d. Cavity insulation material type (check one):

TYPE	R-VALUE	AREA COVERED
___ fiberglass batt	_____	_____
___ blown in cellulose	_____	_____
___ blown in batt w/adhesive binder . . .	_____	_____
___ urethane foam	_____	_____
___ foam core	_____	_____
___ other (describe) _____	_____	_____
___ none		

- e. Rigid insulation material (non-cavity) (check one):

TYPE	R-VALUE	AREA COVERED
___ extruded polystyrene (blue/pink/grey/green board)	_____	_____
___ expanded polystyrene (bead board) . . .	_____	_____
___ isocyanurate (e.g. foil faced foam). . .	_____	_____
___ other (describe) _____	_____	_____
___ none		

f. (OPTIONAL) Incremental Type 3 wall material costs above base case (including incremental jamb and liner costs but excluding siding materials) \$ _____

g. Total incremental Type 3 wall cost above base case (including incremental jamb and liner costs but excluding siding materials) \$ _____

h. Comments: _____

3. CEILINGS. Complete the following for each upgraded ceiling type.

A. Ceiling Type No. 1

a. Net area of Type 1 ceiling (excluding skylights) _____

b. Type: ____ attic ____ vault

c. Framing: ____ standard
____ advanced, Describe: _____

d. Cavity insulation material type (check one):

TYPE	R-VALUE	AREA COVERED
____ fiberglass batt	_____	_____
____ blown in cellulose.	_____	_____
____ blown in fiberglass	_____	_____
____ urethane foam	_____	_____
____ other (describe) _____	_____	_____
____ none		

e. Rigid insulation material (check one):

TYPE	R-VALUE	AREA COVERED
☐ extruded polystyrene (blue/pink/grey/green board)	_____	_____
☐ expanded polystyrene (bead board) . .	_____	_____
☐ isocyanurate (e.g. foil faced foam). .	_____	_____
☐ other (describe) _____	_____	_____
☐ none		

If rigid insulation was added, where was it installed:

☐ Perimeter only
☐ Entire Ceiling

f. (OPTIONAL) Incremental Type 1 ceiling material costs

above base case \$ _____

g. Total incremental Type 1 ceiling cost above base case \$ _____

h. Comments: _____

B. Ceiling Type No. 2

a. Net area of Type 2 ceiling (excluding skylights) _____

b. Type: _____ attic _____ vault

c. Framing: _____ standard

_____ advanced, Describe: _____

d. Cavity insulation material type (check one):

TYPE	R-VALUE	AREA COVERED
☐ fiberglass batt	_____	_____
☐ blown in cellulose.	_____	_____
☐ blown in fiberglass	_____	_____
☐ urethane foam	_____	_____
☐ other (describe) _____	_____	_____
☐ none		

e. Rigid insulation material (check one):

TYPE	R-VALUE	AREA COVERED
☐ extruded polystyrene (blue/pink/grey/green board)	_____	_____
☐ expanded polystyrene (bead board) . .	_____	_____
☐ isocyanurate (e.g. foil faced foam). .	_____	_____
☐ other (describe) _____	_____	_____
☐ none		

If rigid insulation was added, where was it installed:

☐ Perimeter only
☐ Entire Ceiling

f. (OPTIONAL) Incremental Type 2 ceiling material costs

above base case \$ _____

g. Total incremental Type 2 ceiling cost above base case \$ _____

h. Comments: _____

4. FLOOR. Complete the following for the upgraded floor.

A. Insulation Between Joists

a. Floor area covered _____

b. Framing lumber dimension ____" x ____"

c. Insulation material type (check as many as apply):

TYPE	R-VALUE	AREA COVERED
___ fiberglass batt/blanket	_____	_____
___ blown in cellulose	_____	_____
___ urethane foam	_____	_____
___ other (describe) _____	_____	_____
___ none		

d. (OPTIONAL) Incremental material cost above base

case for this floor upgrade \$ _____

B. Under Belly Insulation

a. Floor area covered _____

b. Cavity insulation material type (check as many as apply):

TYPE	R-VALUE	AREA COVERED
___ fiberglass batt/blanket	_____	_____
___ blown in cellulose	_____	_____
___ urethane foam	_____	_____
___ other (describe) _____	_____	_____
___ none		

c. (OPTIONAL) Incremental material cost above base case for under belly insulation \$ _____

C. Total incremental floor cost above base case for this upgraded floor \$ _____

D. Comments: _____

4. DOORS. Complete the following for each upgraded door type.

A. Door Type No. 1

a. Manufacturer _____ Model No. _____

b. Type: _____ Wood _____ Metal (uninsulated)

_____ Metal (insulated) _____ Fiberglass

_____ Other (describe): _____

c. With Window? yes _____ no _____

d. With Thermal Break? yes _____ no _____

e. With Storm Door? yes _____ no _____

f. Area of all Type 1 doors (not including window area): _____

g. U-value (including storm door): _____ or R-value _____

h. (OPTIONAL) Incremental Type 1 door material costs above base case (excluding incremental jamb and liner costs) \$ _____

i. Total incremental Type 1 door cost above base case (excluding incremental jamb and liner costs) \$ _____

j. Comments: _____

B. Door Type No. 2

- a. Manufacturer _____ Model No. _____
- b. Type: _____ Wood _____ Metal (uninsulated)
_____ Metal (insulated) _____ Fiberglass
_____ Other (describe): _____
- c. With Window? yes _____ no _____
- d. With Thermal Break? yes _____ no _____
- e. With Storm Door? yes _____ no _____
- f. Area of all Type 2 doors (not including window area): _____
- g. U-value (including storm door): _____ or R-value _____
- h. (OPTIONAL) Incremental Type 2 door material costs above base case (excluding incremental jamb and liner costs) \$ _____
- i. Total incremental Type 2 door cost above base case (excluding incremental jamb and liner costs) \$ _____
- j. Comments: _____

C. Door Type No. 3

- a. Manufacturer _____ Model No. _____
- b. Type: _____ Wood _____ Metal (uninsulated)
_____ Metal (insulated) _____ Fiberglass
_____ Other (describe): _____
- c. With Window? yes _____ no _____
- d. With Thermal Break? yes _____ no _____
- e. With Storm Door? yes _____ no _____
- f. Area of all Type 3 doors (not including window area) _____
- g. U-value (including storm door): _____ or R-value _____

- h. (OPTIONAL) Incremental Type 3 door material costs above
base case (excluding incremental jamb and
liner costs) \$ _____
- i. Total incremental Type 3 door cost above base case
(excluding incremental jamb and liner costs) \$ _____
- j. Comments: _____

6. GLAZING. Complete the following for each upgraded glazing type.

A. Glazing Type No. 1

- a. ___ Window ___ Sliding glass door ___ Skylight
- b. Manufacturer _____ Model no. _____
- c. Area of all Type 1 glazing: _____
- d. Number of Type 1 glazings: _____
- e. Number of panes for each Type 1 glazing: _____
- f. Storm Window present: yes ___ no ___
- If yes, which of the following:
- ___ Interior
- ___ Exterior
- ___ Both
- g. Frame type: ___ Metal ___ Metal (thermally improved) ___ Wood
___ Vinyl ___ Other (describe) _____
- h. Low emissivity coating: yes ___ no ___
- i. U-value _____ Source of U-Value (check one):
___ Tested U-Value ___ SGC Specification Default

- j. (OPTIONAL) Incremental Type 1 glazing material costs
above base case (excluding incremental jamb and
liner costs) \$ _____
- k. Total incremental Type 1 glazing cost above base case
(excluding incremental jamb and liner costs) \$ _____
- l. Comments: _____

B. Glazing Type No. 2

- a. ☐ Window ☐ Sliding glass door ☐ Skylight
- b. Manufacturer _____ Model no. _____
- c. Area of all Type 2 glazing: _____
- d. Number of Type 2 glazings: _____
- e. Number of panes for each Type 2 glazing: _____
- f. Storm Window present: yes ☐ no ☐
- If yes, which of the following:
- ☐ Interior
- ☐ Exterior
- ☐ Both
- g. Frame type: ☐ Metal ☐ Metal (thermally improved) ☐ Wood
☐ Vinyl ☐ Other (describe) _____
- h. Low emissivity coating: yes ☐ no ☐
- i. U-value _____ Source of U-Value (check one):
☐ Tested U-Value ☐ SGC Specification Default
- j. (OPTIONAL) Incremental Type 2 glazing material costs above base
case (excluding incremental jamb and liner costs) \$ _____

- k. Total incremental Type 2 glazing cost above base case
(excluding incremental jamb and liner costs) \$ _____
- l. Comments: _____

C. Glazing Type No. 3

- a. ☐ Window ☐ Sliding glass door ☐ Skylight
- b. Manufacturer _____ Model no. _____
- c. Area of all Type 3 glazing: _____
- d. Number of Type 3 glazings: _____
- e. Number of panes for each Type 3 glazing: _____
- f. Storm Window present: yes ☐ no ☐
- If yes, which of the following:
- ☐ Interior
- ☐ Exterior
- ☐ Both
- g. Frame type: ☐ Metal ☐ Metal (thermally improved) ☐ Wood
☐ Vinyl ☐ Other (describe) _____
- h. Low emissivity coating: yes ☐ no ☐
- i. U-value _____ Source of U-Value (check one):
☐ Tested U-Value ☐ SGC Specification Default
- j. (OPTIONAL) Incremental Type 3 glazing material costs
above base case (excluding incremental jamb and
liner costs) \$ _____
- k. Total incremental Type 3 glazing cost above base case
(excluding incremental jamb and liner costs) \$ _____
- l. Comments: _____

7. HEATING EQUIPMENT

A. Type (Check all that apply and indicate the unit capacity and manufacturer):

_____ central forced air (electric), capacity _____

manufacturer _____

_____ electric resistance (fan wall unit), capacity _____

manufacturer _____

_____ electric resistance (baseboard), capacity _____

manufacturer

_____ heat pump, HSPF _____ capacity _____

manufacturer _____

_____ woodstove, capacity _____

manufacturer

_____ fireplace, Quantity _____

_____ other (describe): _____ capacity _____

manufacturer _____

B. (OPTIONAL) Total incremental heating equipment cost

above base case \$

C. Total incremental installed heating equipment cost above

base case \$ _____

D. Comments: _____

8. VENTILATION SYSTEMS(S).

A. Primary/Central Systems:

a. Types (check all that apply):

___ Blendair or equivalent

Manufacturer _____ Model No. _____

___ Positive Air Induction (POS)

Manufacturer _____ Model No. _____

___ Whole House Exhaust:

___ Discrete/Separate from Furnace

Manufacturer _____ Model No. _____

___ Integrated w/Furnace

Manufacturer _____ Model No. _____

___ Air-to-Air Heat Exchanger:

___ Discrete/Separate from Furnace

Manufacturer _____ Model No. _____

___ Integrated w/furnace

Manufacturer _____ Model No. _____

___ Other Ventilation System:

(describe): _____

Manufacturer _____ Model No. _____

b. Automatic Controls (check all that apply):

___ Dehumidistat

___ Time of Day Clocks

___ Cycle/Crank Timer

___ Other (describe): _____

___ None

c. Make-up Air (check one):

☐ Wall Ports

☐ Integrated w/Furnace

☐ Other (describe): _____

☐ None

B. Separate/Room Systems:

Types: ☐ Bath Fan: Number in house ☐ CFM (each) _____

☐ Kitchen Fan: CFM _____

☐ Other (describe): _____ CFM _____

☐ None

C. (OPTIONAL) Total incremental ventilation equipment

cost above base case \$ _____

D. Total incremental installed ventilation equipment cost above

base case \$ _____

E. Comments: _____

9. ENVELOPE INFILTRATION CONTROL MEASURES.

A. Windows: Tested Leakage Rate (if available) _____

Infiltration Control Measures: yes ____ no ____

If yes, which of the following:

____ Weatherstripping

____ Caulking

____ Other (describe): _____

B. Doors: Tested Leakage Rate (if available) _____

Infiltration Control Measures: yes ____ no ____

If yes, which of the following:

____ Weatherstripping

____ Caulking

____ Other (describe): _____

C. Joints: Infiltration Control Measures: yes ____ no ____

If yes, Describe: _____

D. Penetrations: Infiltration Control Measures: yes ____ no ____

If yes, Describe: _____

E. Continuous Air Barrier: yes ____ no ____

If yes, Describe: _____

F. Glued Sheet Rock: yes ____ no ____

If yes, area of exterior wall covered by sheet rock:

G. (OPTIONAL) Incremental material cost of infiltration
control measures above base case

\$ _____

H. Total incremental cost of infiltration control measures
above base case.

\$ _____

I. Comments: _____

10. VAPOR/MOISTURE CONTROL MEASURES.

A. Types: ____ Wall; Describe: _____
____ Ceiling; Describe: _____
____ Floor; Describe: _____

B. (OPTIONAL) Incremental material cost of vapor
control measures above base case

\$ _____

C. Total incremental cost of vapor control measures above
base case

\$ _____

D. Comments: _____

11. DUCTWORK (if any):

- A. Linear feet of insulation added in unheated space _____
- B. Ductwork insulation R-value _____
- C. Average diameter or dimension of duct _____
- D. (OPTIONAL) Incremental material cost of ductwork
insulation above base case \$ _____
- E. Total incremental ductwork insulation cost above base case \$ _____
- F. Comments: _____

TOTAL INCREMENTAL COST \$ _____

MOST COMMONLY PURCHASED MANUFACTURED HOME INCREMENTAL WHOLESALE COSTS

This form is to be used to collect information about the most commonly purchased options for each base case model. Incremental wholesale costs include material, labor, profit, and overhead costs.

Manufacturer: _____

Contact Person: _____

Address: _____

Phone No.: () _____

Date of Estimate: _____

Identification (it is imperative to identify base case model no.):

Base Case Model No. _____

Dimensions: Length _____ Width _____ Gross Floor Area _____

1. Components upgraded or changed from the base case model (please check all components changed):

☐ Exterior Walls	☐ Heating Equipment
☐ Ceilings	☐ Ventilation System(s)
☐ Floor	☐ Envelope Infiltration Control Measures
☐ Doors	☐ Vapor/Moisture Control Measures
☐ Glazing	☐ Ductwork

For the components checked above (those that were upgraded), please fill out ONLY the applicable sections below. Please total the total incremental cost for each section (2 through 11) and enter on the last line of the form.

2. EXTERIOR WALLS. Complete the following for each upgraded wall type.

A. Exterior Wall Type No. 1

- Net Type 1 wall area (excluding doors and windows) _____
- Framing: ☐ standard (16" on center) ☐ advanced (24" on center)
- Framing lumber dimension ____" x ____"
- Cavity insulation material type (check one):

TYPE	R-VALUE	AREA COVERED
☐ fiberglass batt	_____	_____
☐ blown in cellulose	_____	_____
☐ blown in batt w/adhesive binder . . .	_____	_____
☐ urethane foam	_____	_____
☐ foam core	_____	_____
☐ other (describe) _____	_____	_____
☐ none		

e. Rigid insulation material (non-cavity) (check one):

TYPE	R-VALUE	AREA COVERED
___ extruded polystyrene		
(blue/pink/grey/green board)	_____	_____
___ expanded polystyrene (bead board) . . .	_____	_____
___ isocyanurate (e.g. foil faced foam). . .	_____	_____
___ other (describe) _____	_____	_____
___ none		

f. Total incremental Type 1 wall cost above base case
(including incremental jamb and liner costs but excluding
siding materials) \$ _____

g. Comments: _____

B. Exterior Wall Type No. 2

a. Net Type 2 wall area (excluding doors and windows) _____

b. Framing: ___ standard (16" on center) ___ advanced (24" on center)

c. Framing lumber dimension ___" x ___"

d. Cavity insulation material type (check one):

TYPE	R-VALUE	AREA COVERED
___ fiberglass batt	_____	_____
___ blown in cellulose	_____	_____
___ blown in batt w/adhesive binder . . .	_____	_____
___ urethane foam	_____	_____
___ foam core	_____	_____
___ other (describe) _____	_____	_____
___ none		

e. Rigid insulation material (non-cavity) (check one):

TYPE	R-VALUE	AREA COVERED
☐ extruded polystyrene		
(blue/pink/grey/green board)	_____	_____
☐ expanded polystyrene (bead board) . . .	_____	_____
☐ isocyanurate (e.g. foil faced foam). . .	_____	_____
☐ other (describe) _____	_____	_____
☐ none		

f. Total incremental Type 2 wall cost above base case
(including incremental jamb and liner costs but excluding
siding materials) \$

g. Comments: _____

C. Exterior Wall Type No.3

- a. Net Type 3 wall area (excluding doors and windows) _____
- b. Framing: ☐ standard (16" on center) ☐ advanced (24" on center)
- c. Framing lumber dimension ____" x ____"
- d. Cavity insulation material type (check one):

TYPE	R-VALUE	AREA COVERED
☐ fiberglass batt	_____	_____
☐ blown in cellulose	_____	_____
☐ blown in batt w/adhesive binder . . .	_____	_____
☐ urethane foam	_____	_____
☐ foam core	_____	_____
☐ other (describe) _____	_____	_____
☐ none		

e. Rigid insulation material (non-cavity) (check one):

TYPE	R-VALUE	AREA COVERED
___ extruded polystyrene (blue/pink/grey/green board)	_____	_____
___ expanded polystyrene (bead board) . . .	_____	_____
___ isocyanurate (e.g. foil faced foam). . .	_____	_____
___ other (describe) _____	_____	_____
___ none		

f. Total incremental Type 3 wall cost above base case

(including incremental jamb and liner costs but
excluding siding materials)

\$ _____

g. Comments: _____

3. CEILINGS. Complete the following for each upgraded ceiling type.

A. Ceiling Type No. 1

a. Net area of Type 1 ceiling (excluding skylights) _____

b. Type: ___ attic ___ vault

c. Framing: ___ standard

___ advanced, Describe: _____

d. Cavity insulation material type (check one):

TYPE	R-VALUE	AREA COVERED
___ fiberglass batt	_____	_____
___ blown in cellulose.	_____	_____
___ blown in fiberglass	_____	_____
___ urethane foam	_____	_____
___ other (describe) _____	_____	_____
___ none		

e. Rigid insulation material (check one):

TYPE	R-VALUE	AREA COVERED
☐ extruded polystyrene		
(blue/pink/grey/green board)		
☐ expanded polystyrene (bead board) . .		
☐ isocyanurate (e.g. foil faced foam). .		
☐ other (describe)		
☐ none		

If rigid insulation was added, where was it installed:

☐ Perimeter only

☐ Entire Ceiling

f. Total incremental Type 1 ceiling cost above base case \$

g. Comments:

B. Ceiling Type No. 2

a. Net area of Type 2 ceiling (excluding skylights)

b. Type: attic vault

c. Framing: standard

advanced, Describe:

d. Cavity insulation material type (check one):

TYPE	R-VALUE	AREA COVERED
☐ fiberglass batt		
☐ blown in cellulose.		
☐ blown in fiberglass		
☐ urethane foam		
☐ other (describe)		
☐ none		

e. Rigid insulation material (check one):

TYPE	R-VALUE	AREA COVERED
☐ extruded polystyrene		
(blue/pink/grey/green board)	_____	_____
☐ expanded polystyrene (bead board) . .	_____	_____
☐ isocyanurate (e.g. foil faced foam). .	_____	_____
☐ other (describe) _____	_____	_____
☐ none		

If rigid insulation was added, where was it installed:

☐ Perimeter only
☐ Entire Ceiling

f. Total incremental Type 2 ceiling cost above base case \$ _____

g. Comments: _____

4. FLOOR. Complete the following for the upgraded floor.

A. Insulation Between Joists

a. Floor area covered _____

b. Framing lumber dimension ____" x ____"

c. Insulation material type (check as many as apply):

TYPE	R-VALUE	AREA COVERED
☐ fiberglass batt/blanket	_____	_____
☐ blown in cellulose	_____	_____
☐ urethane foam	_____	_____
☐ other (describe) _____	_____	_____
☐ none		

B. Under Belly Insulation

a. Floor area covered _____

b. Cavity insulation material type (check as many as apply):

TYPE	R-VALUE	AREA COVERED
___ fiberglass batt/blanket	_____	_____
___ blown in cellulose	_____	_____
___ urethane foam	_____	_____
___ other (describe) _____	_____	_____
___ none		

C. Total incremental floor cost above base case for this

upgraded floor \$ _____

D. Comments: _____

5. DOORS. Complete the following for each upgraded door type.

A. Door Type No. 1

a. Manufacturer _____ Model No. _____

b. Type: ___ Wood ___ Metal (uninsulated)

___ Metal (insulated) ___ Fiberglass

___ Other (describe): _____

c. With Window? yes ___ no ___

d. With Thermal Break? yes ___ no ___

e. With Storm Door? yes ___ no ___

f. Area of all Type 1 doors (not including window area): _____

g. U-value (including storm door): _____ or R-value _____

h. Total incremental Type 1 door cost above base case

(excluding incremental jamb and liner costs) \$ _____

i. Comments: _____

B. Door Type No. 2

- a. Manufacturer _____ Model No. _____
- b. Type: _____ Wood _____ Metal (uninsulated)
_____ Metal (insulated) _____ Fiberglass
_____ Other (describe): _____
- c. With Window? yes _____ no _____
- d. With Thermal Break? yes _____ no _____
- e. With Storm Door? yes _____ no _____
- f. Area of all Type 2 doors (not including window area): _____
- g. U-value (including storm door): _____ or R-value _____
- h. Total incremental Type 2 door cost above base case
(excluding incremental jamb and liner costs) \$ _____
- i. Comments: _____

C. Door Type No. 3

- a. Manufacturer _____ Model No. _____
- b. Type: _____ Wood _____ Metal (uninsulated)
_____ Metal (insulated) _____ Fiberglass
_____ Other (describe): _____
- c. With Window? yes _____ no _____
- d. With Thermal Break? yes _____ no _____
- e. With Storm Door? yes _____ no _____
- f. Area of all Type 3 doors (not including window area) _____
- g. U-value (including storm door): _____ or R-value _____
- h. Total incremental Type 3 door cost above base case
(excluding incremental jamb and liner costs) \$ _____
- i. Comments: _____

6. GLAZING. Complete the following for each upgraded glazing type.

A. Glazing Type No. 1

- a. ☐ Window ☐ Sliding glass door ☐ Skylight
- b. Manufacturer _____ Model no. _____
- c. Area of all Type 1 glazing: _____
- d. Number of Type 1 glazings: _____
- e. Number of panes for each Type 1 glazing: _____
- f. Storm Window present: yes ☐ no ☐
- If yes, which of the following:
- ☐ Interior
- ☐ Exterior
- ☐ Both
- g. Frame type: ☐ Metal ☐ Metal (thermally improved) ☐ Wood
- ☐ Vinyl ☐ Other (describe) _____
- h. Low emissivity coating: yes ☐ no ☐
- i. U-value _____ Source of U-Value (check one):
- ☐ Tested U-Value ☐ SGC Specification Default
- j. Total incremental Type 1 glazing cost above base case
- (excluding incremental jamb and liner costs) \$ _____
- k. Comments: _____

B. Glazing Type No. 2

- a. ☐ Window ☐ Sliding glass door ☐ Skylight
- b. Manufacturer _____ Model no. _____
- c. Area of all Type 2 glazing: _____
- d. Number of Type 2 glazings: _____
- e. Number of panes for each Type 2 glazing: _____

f. Storm Window present: yes ____ no ____

If yes, which of the following:

____ Interior

____ Exterior

____ Both

g. Frame type: ____ Metal ____ Metal (thermally improved) ____ Wood
____ Vinyl ____ Other (describe) _____

h. Low emissivity coating: yes ____ no ____

i. U-value ____ Source of U-Value (check one):

____ Tested U-Value ____ SGC Specification Default

j. Total incremental Type 2 glazing cost above base case
(excluding incremental jamb and liner costs) \$ _____

k. Comments: _____

C. Glazing Type No. 3

a. ____ Window ____ Sliding glass door ____ Skylight

b. Manufacturer _____ Model no. _____

c. Area of all Type 3 glazing: _____

d. Number of Type 3 glazings: _____

e. Number of panes for each Type 3 glazing: _____

f. Storm Window present: yes ____ no ____

If yes, which of the following:

____ Interior

____ Exterior

____ Both

- g. Frame type: ☐ Metal ☐ Metal (thermally improved) ☐ Wood
☐ Vinyl ☐ Other (describe) _____
- h. Low emissivity coating: yes ☐ no ☐
- i. U-value _____ Source of U-Value (check one):
☐ Tested U-Value ☐ SGC Specification Default
- j. Total incremental Type 3 glazing cost above base case
(excluding incremental jamb and liner costs) \$ _____
- k. Comments: _____

7. HEATING EQUIPMENT

- A. Type (Check all that apply and indicate the unit capacity and manufacturer):

☐ central forced air (electric), capacity _____
manufacturer _____

☐ electric resistance (fan wall unit), capacity _____
manufacturer _____

☐ electric resistance (baseboard), capacity _____
manufacturer _____

☐ heat pump, HSPF _____ capacity _____
manufacturer _____

☐ woodstove, capacity _____
manufacturer _____

☐ fireplace, Quantity _____

☐ other (describe): _____ capacity _____
manufacturer _____

- B. Total incremental installed heating equipment cost above
base case \$ _____

C. Comments: _____

8. VENTILATION SYSTEMS(S).

A. Primary/Central Systems:

a. Types (check all that apply):

___ Blendair or equivalent

Manufacturer _____ Model No. _____

___ Positive Air Induction (POS)

Manufacturer _____ Model No. _____

___ Whole House Exhaust:

___ Discrete/Separate from Furnace

Manufacturer _____ Model No. _____

___ Integrated w/Furnace

Manufacturer _____ Model No. _____

___ Air-to-Air Heat Exchanger:

___ Discrete/Separate from Furnace

Manufacturer _____ Model No. _____

___ Integrated w/furnace

Manufacturer _____ Model No. _____

___ Other Ventilation System:

(describe): _____

Manufacturer _____ Model No. _____

b. Automatic Controls (check all that apply):

- ☐ Dehumidistat
☐ Time of Day Clocks
☐ Cycle/Crank Timer
☐ Other (describe): _____
☐ None

c. Make-up Air (check one):

- ☐ Wall Ports
☐ Integrated w/Furnace
☐ Other (describe): _____
☐ None

B. Separate/Room Systems:

- Types: ☐ Bath Fan: Number in house ☐ CFM (each) _____
☐ Kitchen Fan: CFM _____
☐ Other (describe): _____ CFM _____
☐ None

C. Total incremental installed ventilation equipment cost above
base case \$ _____

D. Comments: _____

9. ENVELOPE INFILTRATION CONTROL MEASURES.

A. Windows: Tested Leakage Rate (if available) _____

Infiltration Control Measures: yes ____ no ____

If yes, which of the following:

____ Weatherstripping

____ Caulking

____ Other (describe): _____

B. Doors: Tested Leakage Rate (if available) _____

Infiltration Control Measures: yes ____ no ____

If yes, which of the following:

____ Weatherstripping

____ Caulking

____ Other (describe): _____

C. Joints: Infiltration Control Measures: yes ____ no ____

If yes, Describe: _____

D. Penetrations: Infiltration Control Measures: yes ____ no ____

If yes, Describe: _____

E. Continous Air Barrier: yes ____ no ____

If yes, Describe: _____

F. Glued Sheet Rock: yes ____ no ____

If yes, area of exterior wall covered by sheet rock:

G. Total incremental cost of infiltration control measures
above base case. \$ _____

H. Comments: _____

10. VAPOR/MOISTURE CONTROL MEASURES.

A. Types: ____ Wall; Describe: _____
____ Ceiling; Describe: _____
____ Floor; Describe: _____

B. Total incremental cost of vapor control measures above
base case \$ _____

C. Comments: _____

11. DUCTWORK (if any):

A. Linear feet of insulation added in unheated space _____

B. Ductwork insulation R-value _____

C. Average diameter or dimension of duct _____

D. Total incremental ductwork insulation cost above base case \$ _____

E. Comments: _____

TOTAL INCREMENTAL COST \$ _____

APPENDIX B

DATA DICTIONARY

APPENDIX B

DATA DICTIONARY

The data gathered for each house using the three forms in Appendix A were entered into a computerized database system developed on dBASE III Plus.* Each of the three forms had six databases: general home descriptions and heating and ventilation, exterior wall, ceiling, door, floor, and glazing. In each of the eighteen databases the format screens for data entry were matched with the forms to allow for more accurate data entry. The data dictionary in this appendix provides the following information for each of the eighteen databases: field name, the field type, and a description of the data entered into each field.

* Registered trademark of Ashton-Tate, Torrance, California.

Base Case General Home Descriptions and Heating and Ventilation Database

Database name: BASE.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
SGCMOD	character	Super Good Cents Model Number
DUCTCOMM	character	Ductwork comments
VAPCOMM	character	Vapor/Moisture Control Measure comments
ENVPCOMM	character	Envelope Infiltration Control Measure comments
VENTCOMM	character	Ventilation System comments
HEATCOMM	character	Heating Equipment comments
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
SINGLE	logical	Single Section Home
MULTI	logical	Multi-section Home
CENTRAL	logical	Central Forced Air Heating Equipment
CCAPACITY	character	Capacity Central Forced Air Equipment
CMANF	character	Manufacturer of Central Forced Air Equipment
RESISFAN	logical	Electric Resistance Fan Wall Unit for Heating
RFCAPAC	character	Capacity of Electric Resistance Fan
RFMANF	character	Manufacturer of Electric Resistance Fan
RESISBASE	logical	Electric Resistance Baseboard for Heating
RBCAPAC	character	Capacity of Electric Resistance Baseboard
RBMANF	character	Manufacturer of Electric Resistance Baseboard
HEATPUMP	logical	Heat Pump
HPHSPF	numeric	Heat Pump HSPF (performance indicator)
HPCAPAC	character	Capacity of the Heat Pump
HPMANF	character	Manufacturer of the Heat Pump
CENTRALGAS	logical	Central Forced Air (gas) for heating
CGCAPAC	character	Capacity of the Central Forced Air Equipment
CGMANF	character	Manufacturer of the Central Forced Air Equipment
WOOD	logical	Woodstove
WOODCAPAC	character	Heating Capacity of the Woodstove
WOODMANF	character	Manufacturer of the Woodstove
FIRE	logical	Fireplace
FIRENO	numeric	Number of Fireplaces
OTHER	logical	Other Types of Heating Equipment
OTHERTYPE	character	Name of the Other Type of Heating Equipment
OTHCAPAC	character	Capacity of the Other Type of Heating Equipment
OTHMANF	character	Manufacturer of Other Type of Heating Equipment
BLENDAIR	logical	Blendair or Equivalent Type of Ventilation System
BLENDMANF	character	Manufacturer of Blendair or Equivalent
BLENDMODEL	character	Model Number of Blendair or Equivalent
POS	logical	Positive Air Induction System (POS)
POSMANF	character	Manufacturer of Positive Air Induction System
POSMODEL	character	Model Number of Positive Air Induction System
WHOLE	logical	Whole House Exhaust System
DISC	logical	Exhaust System Discrete/Separate from Furnace
DISCMANF	character	Manufacturer of Discrete/Separate Exhaust System
DISCMODEL	character	Model Number of Discrete/Separate Exhaust System
INTEG	logical	Exhaust System Integrated w/Furnace
INTEGMANF	character	Manufacturer of Integrated Exhaust System
INTEGMODEL	character	Model Number of Integrated Exhaust System

ATA	logical	Air-to-Air Heat Exchanger
ATADISC	character	Air-to-Air Heat Exchanger Discrete from Furnace
ADMANF	character	Manufacturer of Discrete Air-to-Air Heat Exchanger
ADMODEL	character	Model Number of Discrete Air-to-Air Heat Exchanger
ATAINTEG	logical	Air-to-Air Heat Exchanger Integrated w/Furnace
AIMANF	character	Manufacturer of Integrated Air-to-Air Heat Exchng.
AIMODEL	character	Model Number of Integrated Air-to-Air Heat Exchng.
OTHERVENT	logical	Other Ventilation Systems
OTHDESC	character	Description of Other Ventilation System
OTHVMANF	character	Manufacturer of the Other Ventilation System
OTHVMODEL	character	Model Number of the Other Ventilation System
DEHUM	logical	Dehumidistat
TIME	logical	Time of Day Clocks
CYCLE	logical	Cycle/Crank Timer
OTHERAC	logical	Other Type of Automated Controls
OTHACDESC	character	Description of the Other Type of Automated Control
NONE	logical	No Automated Controls
WALL	logical	Wall Ports
INTEGFURN	logical	Make-up Air Integrated with Furnace
OTHMUA	logical	Other Types of Make-up Air Systems
OTHMUDESC	character	Description of Other Type of Make-up Air System
NONEMUA	logical	No Make-up Air Systems
BATHF	logical	Bath Fan
BFNUM	numeric	Number of Bath Fans in the House
BFCFM	numeric	CFM of Each Bath Fan
KITFAN	logical	Kitchen Fan
KITCFM	numeric	CFM of the Kitchen Fan
OTHSRA	logical	Other Secondary/Room Systems
OTHSRADESC	character	Description of the Other Secondary/Room Systems
OTHCFM	numeric	CFM of the Other Secondary/Room Systems
NONESRA	logical	No Secondary/Room Systems
LEAKRATE	numeric	Tested Leakage Rate of the Windows
INFIL	logical	Infiltration Control Measures for Windows
WEATHER	logical	Weatherstripping Around Windows
CAULK	logical	Caulking Around Windows
OTHWIN	logical	Other Window Infiltration Control Measures
OTHWINDISC	character	Description of Other Window Infiltration Controls
DLEAKRATE	numeric	Tested Leakage Rate of the Doors
DINFIL	logical	Infiltration Control Measures for Doors
DWEATHER	logical	Weatherstripping Around Doors
DCAULK	logical	Caulking Around Doors
OTHDOOR	logical	Other Door Infiltration Control Measures
OTHDOORDES	character	Description of Other Door Infiltration Controls
JOINT	logical	Infiltration Control Measures for Joints
JOINTDESC	character	Description of Joint Infiltration Control Measures
PENET	logical	Penetration Infiltration Control Measures
PENETDESC	character	Description of Penetration Infiltration Controls
CAB	logical	Continuous Air Barrier
CABDESC	character	Description of the Continuous Air Barrier
GSR	logical	Glued Sheet Rock
GSRAREA	numeric	Area of Exterior Wall Covered by Sheet Rock
VMCWALL	logical	Vapor/Moisture Control Measures for Walls
VMCWALLDES	character	Description of Wall Vapor/Moisture Controls
VMCCEIL	logical	Vapor/Moisture Control Measures for Ceilings

VMCCEILDES	character	Description of Ceiling Vapor/Moisture Controls
VMCFLOOR	logical	Vapor/Moisture Control Measures for Floors
VMCFLOODES	character	Description of Floor Vapor/Moisture Control Meas.
DUCTINSUL	logical	Insulated Ductwork
DUCTRVAL	numeric	R-Value of Insulation in Ductwork
DUCTFT	numeric	Linear Feet of Ductwork in Unheated Space
DUCTDIA	character	Diameter of Ductwork

Base Case Exterior Wall Database

Database Name: BEXTWALL.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
SGCMOD	character	Super Good Cents Model Number
EWCOMM	character	Exterior Wall Comments
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
AREA	numeric	Net Area of Exterior Walls (excluding windows)
RVALUE	numeric	Nominal R-Value for Exterior Walls
UAValue	numeric	UA-Value for Exterior Walls
DIM1	character	First Lumber Dimension (inches)
DIM2	character	Second Lumber Dimension (inches)
CENTER	character	Inches on Center of Wall Lumber

Base Case Ceiling Database

Database Name: BCEILING.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
SGCMOD	character	Super Good Cents Model Number
CECOMM	character	Ceiling Comments
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
ATTICAREA	numeric	Net Area of Attic Ceiling excluding skylights
ATTICRVAL	numeric	Nominal R-Value for Attic Ceiling
ATTICUAVAL	numeric	UA-Value for Attic Ceiling
VAULTAREA	numeric	Net Area of Vaulted Ceiling excluding skylights
VAULTRVAL	numeric	Nominal R-Value for Vaulted Ceiling
VAULTUAVAL	numeric	UA-Value for Vaulted Ceiling
DIM1	character	First Lumber Dimension (inches)
DIM2	character	Second Lumber Dimension (inches)
CENTER	character	Inches on Center of Ceiling Lumber

Base Case Door Database

Database Name: BDOOR.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
SGCMOD	character	Super Good Cents Model Number
DOCOMM	character	Door Comments
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
DOORMANF	character	Door Manufacturer
DOORMODELN	character	Door Manufacturer's Model Number
TYPEWOOD	logical	Wood Door
TYPEMLU	logical	Metal Door (uninsulated)
TYPEMLI	logical	Metal Door (insulated)
TYPEFG	logical	Fiberglass Door
TYPEOTH	logical	Other Type Door
WINDOW	logical	Door with Window
THERBRK	logical	Door with a Thermal Break
STORMD	logical	Storm Door
AREA	numeric	Area of All Doors excluding window areas
UVALUE	numeric	U-Value of Door, Including Storm Door
RVALUE	numeric	R-Value of Door

Base Case Floor Database

Database Name: BFLOOR.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
SGCMOD	character	Super Good Cents Model Number
FOCOMM	character	Floor Comments
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
AREA	numeric	Net Area of Floor
RVALUE	numeric	Nominal R-Value for Floor
UAValue	numeric	UA-Value for Floor
DIM1	character	First Lumber Dimension (inches)
DIM2	character	Second Lumber Dimension (inches)
CENTER	character	Inches on Center of Floor Lumber

Base Case Glazing Database

Database Name: BGLAZE.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
SGCMOD	character	Super Good Cents Model Number
BOTH	logical	Both Exterior and Interior Storm Windows
EXTER	logical	Exterior Storm Windows
INTER	logical	Interior Storm Windows
STORM	logical	Storm Windows
PANES	numeric	Number of Panes per Glazing
GLCOMM	character	Glazing Comments
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
WINDOW	logical	Window
SLIDING	logical	Sliding Glass Door
SKYLIGHT	logical	Skylight
GLAZEMANF	character	Glazing Manufacturer
GLAZEMODEL	character	Glazing Manufacturer's Model Number
AREA	numeric	Area of all glazings
NUMBER	numeric	Number of glazings
FRAMEMETAL	logical	Metal Frame
FRAMEMTLTH	logical	Thermally Improved Metal Frame
FRAMEVINYL	logical	Vinyl Frame
FRAMEWOOD	logical	Wooden Frame
FRAMEOTH	logical	Other Type of Frame
OTHDESC	character	Description of the Other Type of Frame
UVALUE	numeric	U-Value for Glazings
SOURCETEST	logical	Source is a Tested U-Value
SOURCESGC	logical	Source is SGC Specification Default

RCDP General Home Descriptions and Heating and Ventilation Database

Database name: RCDP.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
SGCMOD	character	Super Good Cents Model Number
DUCTCOM	character	Ductwork comments
VAPCOM	character	Vapor/Moisture Control Measure comments
ENVCOM	character	Envelope Infiltration Control Measure comments
VENTCOM	character	Ventilation System comments
HEATCOM	character	Heating Equipment comments
ZONE	numeric	SGC Climate Zone Number
DUCTMATC	numeric	Incremental Material Cost of Ductwork Insulation
VAPMATC	numeric	Incremental Material Cost of Vapor Control Measure
INFILMATC	numeric	Total Incr. Cost of Infiltration Control Measures
VEECOST	numeric	Total Incremental Ventilation Equipment Cost
HEECOST	numeric	Total Incremental Heating Equipment Cost
ACTUAL	logical	Actual Costs and Technical Specifications
TOTALCOST	numeric	Total Incremental Cost Over Base Case Home
DUCTCOST	numeric	Total Incremental Ductwork Insul. Cost Above Base
VAPORCOST	numeric	Total Incremental Cost of Vapor Control Measures
INFILCOST	numeric	Total Incremental Cost of Infiltration Control
VENTCOST	numeric	Total Incrmnt. Installed Ventilation Equip. Cost
HEATCOST	numeric	Total Installed Heating Equipment Cost above Base
COMDUCT	logical	Ductwork Upgraded
COMGLAZE	logical	Glazings Upgraded
COMVAPOR	logical	Vapor/Moisture Control Measures Upgraded
COMDOOR	logical	Door Upgraded
COMENVEL	logical	Envelope Infiltration Control Measures
COMFLOOR	logical	Floor Upgraded
COMVENT	logical	Ventilation System Upgraded
COMCEIL	logical	Ceiling Upgraded
COMHEAT	logical	Heating Equipment Upgraded
COMEXTW	logical	Exterior Walls Upgraded
GROSSAREA	numeric	Gross Floor Area of the Manufactured Home
WIDTH	numeric	Width of Home
LENGTH	numeric	Length of Home
DATE	date	Date of Estimates
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
SINGLE	logical	Single Section Home
MULTI	logical	Multi-section Home
CCAPACITY	character	Capacity Central Forced Air Equipment
CMANF	character	Manufacturer of Central Forced Air Equipment
RFCAPAC	character	Capacity of Electric Resistance Fan
RFMANF	character	Manufacturer of Electric Resistance Fan
RBCAPAC	character	Capacity of Electric Resistance Baseboard
RBMANF	character	Manufacturer of Electric Resistance Baseboard
HPHSPF	numeric	Heat Pump HSPF
HPCAPAC	character	Capacity of the Heat Pump
HPMANF	character	Manufacturer of the Heat Pump
WOODCAPAC	character	Heating Capacity of the Woodstove
WOODMANF	character	Manufacturer of the Woodstove

FIRENO	numeric	Number of Fireplaces
OTHERTYPE	character	Name of the Other Type of Heating Equipment
OTHCAPAC	character	Capacity of the Other Type of Heating Equipment
OTHMANF	character	Manufacturer of Other Type of Heating Equipment
BLENDAIR	logical	Blendair or Equivalent Type of Ventilation System
BLENDMANF	character	Manufacturer of Blendair or Equivalent
BLENDMODEL	character	Model Number of Blendair or Equivalent
POS	logical	Positive Air Induction System (POS)
POSMANF	character	Manufacturer of Positive Air Induction System
POSMODEL	character	Model Number of Positive Air Induction System
WHOLE	logical	Whole House Exhaust System
DISC	logical	Exhaust System Discrete/Separate from Furnace
DISCMANF	character	Manufacturer of Discrete/Separate Exhaust System
DISCMODEL	character	Model Number of Discrete/Separate Exhaust System
INTEG	logical	Exhaust System Integrated w/Furnace
INTEGMANF	character	Manufacturer of Integrated Exhaust System
INTEGMODEL	character	Model Number of Integrated Exhaust System
ATA	logical	Air-to-Air Heat Exchanger
ATADISC	logical	Air-to-Air Heat Exchanger Discrete from Furnace
ADMANF	character	Manufacturer of Discrete Air-to-Air Heat Exchanger
ADMODEL	character	Model Number of Discrete Air-to-Air Heat Exchanger
ATAINTEG	logical	Air-to-Air Heat Exchanger Integrated w/Furnace
AIMANF	character	Manufacturer of Integrated Air-to-Air Heat Exchng.
AIMODEL	character	Model Number of Integrated Air-to-Air Heat Exchng.
OTHERVENT	logical	Other Ventilation Systems
OTHDESC	character	Description of Other Ventilation System
OTHVMANF	character	Manufacturer of the Other Ventilation System
OTHVMODEL	character	Model Number of the Other Ventilation System
DEHUM	logical	Dehumidistat
TIME	logical	Time of Day Clocks
CYCLE	logical	Cycle/Crank Timer
OTHERAC	logical	Other Type of Automated Controls
OTHACDESC	character	Description of the Other Type of Automated Control
NONE	logical	No Automated Controls
WALL	logical	Wall Ports
INTEGFURN	logical	Make-up Air Integrated with Furnace
OTHMUA	logical	Other Types of Make-up Air Systems
OTHMUADESC	character	Description of Other Type of Make-up Air System
NONEMUA	logical	No Make-up Air Systems
BATHF	logical	Bath Fan
BFNUM	numeric	Number of Bath Fans in the House
BFCFM	numeric	CFM of Each Bath Fan
KITFAN	logical	Kitchen Fan
KITCFM	numeric	CFM of the Kitchen Fan
OTHSRA	logical	Other Secondary/Room Systems
OTHSRADESC	character	Description of the Other Secondary/Room Systems
OTHCFM	numeric	CFM of the Other Secondary/Room Systems
NONESRA	logical	No Secondary/Room Systems
LEAKRATE	numeric	Tested Leakage Rate of the Windows
INFIL	logical	Infiltration Control Measures for Windows
WEATHER	logical	Weatherstripping Around Windows
CAULK	logical	Caulking Around Windows
OTHWIN	logical	Other Window Infiltration Control Measures
OTHWINDISC	character	Description of Other Window Infiltration Controls

DLEAKRATE	numeric	Tested Leakage Rate of the Doors
DINFIL	logical	Infiltration Control Measures for Doors
DWEATHER	logical	Weatherstripping Around Doors
DCAULK	logical	Caulking Around Doors
OTHDOOR	logical	Other Door Infiltration Control Measures
OTHDOORDES	character	Description of Other Door Infiltration Controls
JOINT	logical	Infiltration Control Measures for Joints
JOINTDESC	character	Description of Joint Infiltration Control Measures
PENET	logical	Penetration Infiltration Control Measures
PENETDESC	character	Description of Penetration Infiltration Controls
CAB	logical	Continuous Air Barrier
CABDESC	character	Description of the Continuous Air Barrier
GSR	logical	Glued Sheet Rock
GSRAREA	numeric	Area of Exterior Wall Covered by Sheet Rock
VMCWALL	logical	Vapor/Moisture Control Measures for Walls
VMCWALLDES	character	Description of Wall Vapor/Moisture Controls
VMCCEIL	logical	Vapor/Moisture Control Measures for Ceilings
VMCCEILDES	character	Description of Ceiling Vapor/Moisture Controls
VMCFLOOR	logical	Vapor/Moisture Control Measures for Floors
VMCFLOODES	character	Description of Floor Vapor/Moisture Control Meas.
DUCTINSUL	logical	Insulated Ductwork
DUCTRVAL	numeric	R-Value of Insulation in Ductwork
DUCTFT	numeric	Linear Feet of Ductwork in Unheated Space
DUCTDIA	character	Diameter of Ductwork

RCDP Exterior Wall Database

Database Name: RCDPEXTW.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
EWCOMM	character	Exterior Wall Comments
MATCOST	numeric	Incremental Wall Material Costs (excluding siding)
ACTUAL	logical	Actual Costs and Technical Specifications
SGCMOD	character	Super Good Cents Model Number
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
AREA	numeric	Net Area of Exterior Walls (excluding windows)
STD	logical	Standard Wall Framing (16" on Center)
ADV	logical	Advanced Wall Framing (24" on Center)
DIM1	numeric	First Lumber Dimension (inches)
DIM2	numeric	Second Lumber Dimension (inches)
FIBERB	logical	Fiberglass Batt Cavity Insulation
FIBERBRV	numeric	R-Value of Fiberglass Batt Cavity Insulation
FIBERBAREA	numeric	Area Covered by Fiberglass Batt Cavity Insulation
CELL	logical	Blown In Cellulose Cavity Insulation
CELLRV	numeric	R-Value of Blown In Cellulose Cavity Insulation
CELLAREA	numeric	Area Covered by Blown In Cellulose Insulation
BATT	logical	Blown In/Batt Cavity Insulation w/Adhesive Binder
BATTRV	numeric	R-Value of Blown In/Batt Insulation w/Adhesive
BATTAREA	numeric	Area Covered by Blown In/Batt Insulation w/Binder
UREFOAM	logical	Urethane Foam Cavity Insulation
URERV	numeric	R-Value of Urethane Foam Cavity Insulation
UREAREA	numeric	Area Covered by Urethane Foam Cavity Insulation
FOAM	logical	Foam Core Cavity Insulation
FOAMRV	numeric	R-Value of Foam Core Cavity Insulation
FOAMAREA	numeric	Area Covered by Foam Core Cavity Insulation
OTHER	logical	Other Type of Cavity Insulation
OTHDESC	character	Description of the Other Type of Cavity Insulation
OTHRV	numeric	R-Value of the Other Type of Cavity Insulation
OTHAREA	numeric	Area Covered by Other Type of Cavity Insulation
NONE	logical	No Cavity Insulation Material Used
EXTPOLY	logical	Extruded Polystyrene Rigid Insulation
EXTRV	numeric	Extruded Polystyrene Rigid Insulation R-Value
EXTAREA	numeric	Area Covered by Extruded Polystyrene Insulation
EXPPOLY	logical	Expanded Polystyrene Rigid Insulation
EXPRV	numeric	Expanded Polystyrene Rigid Insulation R-Value
EXPAREA	numeric	Area Covered by Expanded Polystyrene Insulation
ISO	logical	Isocyanurate Rigid Insulation
ISORV	numeric	Isocyanurate Rigid Insulation R-Value
ISOAREA	numeric	Area Covered by Isocyanurate Rigid Insulation
ROTHER	logical	Other Type of Rigid Insulation
ROTHDESC	character	Description of the Other Type of Rigid Insulation
ROTHRV	numeric	Other Type of Rigid Insulation R-Value
ROTHAREA	numeric	Area Covered by the Other Type of Rigid Insulation
RNONE	logical	No Rigid Insulation is Used
COST	numeric	Total Incremental Exterior Wall Cost Above Base

RCDP Ceiling Database

Database Name: RCDPCEIL.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
CECOMM	character	Ceiling Comments
MATCOST	numeric	Incremental Ceiling Material Costs Above Base Case
ACTUAL	logical	Actual Costs and Technical Specifications
SGCMOD	character	Super Good Cents Model Number
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
AREA	numeric	Net Area of Ceiling excluding skylights
ATTIC	logical	Attic Ceiling
VAULT	logical	Vaulted Ceiling
STD	logical	Standard Framing
ADV	logical	Advanced Framing
ADVDESC	character	Description of Advanced Framing
FIBER	logical	Fiberglass Batt Cavity Insulation
FIBERRV	numeric	Fiberglass Batt Insulation R-Value
FIBERAREA	numeric	Area Covered by Fiberglass Batt Insulation
CELL	logical	Blown In Cellulose Cavity Insulation
CELLRV	numeric	Blown In Cellulose Insulation R-Value
CELLAREA	numeric	Area Covered by Blown In Cellulose Insulation
BFIBER	logical	Blown In Fiberglass Cavity Insulation
BFIBRV	numeric	Blown In Fiberglass Insulation R-Value
BFIBAREA	numeric	Area Covered by Blown In Fiberglass Insulation
URE	logical	Urethane Foam Cavity Insulation
URERV	numeric	Urethane Foam Insulation R-Value
UREAREA	numeric	Area Covered by Urethane Foam Insulation
OTHER	logical	Other Type of Cavity Insulation
OTHDESC	character	Description of the Other Type of Cavity Insulation
OTHRV	numeric	Other Type of Insulation R-Value
OTHAREA	numeric	Area Covered by Other Type of Insulation
NONE	logical	No Cavity Insulation is Used
EXTPOLY	logical	Extruded Polystyrene Rigid Insulation
EXTRV	numeric	Extruded Polystyrene Rigid Insulation R-Value
EXTAREA	numeric	Area Covered by Extruded Polystyrene Insulation
EXPPOLY	logical	Expanded Polystyrene Rigid Insulation
EXPRV	numeric	Expanded Polystyrene Rigid Insulation R-Value
EXPAREA	numeric	Area Covered by Expanded Polystyrene Insulation
ISO	logical	Isocyanurate Rigid Insulation
ISORV	numeric	Isocyanurate Rigid Insulation R-Value
ISOAREA	numeric	Area Covered by Isocyanurate Rigid Insulation
ROTHER	logical	Other Type of Rigid Insulation
ROTHDESC	character	Description of the Other Type of Rigid Insulation
ROTHRV	numeric	Other Type of Rigid Insulation R-Value
ROTHAREA	numeric	Area Covered by the Other Type of Rigid Insulation
RNONE	logical	No Rigid Insulation is Used
PER	logical	Rigid Insulation Added in Perimeter Only
ENT	logical	Rigid Insulation Added in Entire Ceiling
COST	numeric	Total Incremental Ceiling Cost Above Base Case

RCDP Floor Database

Database Name: RCDPFLOO.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
FLCOMM	character	Floor Comments
MATCOST2	numeric	Incremental Material Costs for Joist Ins. Upgrade
MATCOST1	numeric	Incremental Material Costs for Under Belly Upgrade
ACTUAL	logical	Actual Costs and Technical Specifications
SGCMOD	character	Super Good Cents Model Number
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
AREA	numeric	Net Area of Floor Covered by Joist Insulation
DIM1	numeric	First Lumber Dimension (inches)
DIM2	numeric	Second Lumber Dimension (inches)
FIBER	logical	Fiberglass Batt/Blanket Joist Insulation
FIBERRV	numeric	R-Value of Fiberglass Batt/Blanket Joist Insul.
FIBERAREA	numeric	Area Covered by Fiberglass Batt/Blanket Insulation
CELL	logical	Blown In Cellulose Joist Insulation
CELLRV	numeric	R-Value of Blown In Cellulose Joist Insulation
CELLAREA	numeric	Area Covered by Blown In Cellulose Joist Insul.
URE	logical	Urethane Foam Joist Insulation
URERV	numeric	R-Value of Urethane Foam Joist Insulation
UREAREA	numeric	Area Covered by Urethane Foam Joist Insulation
OTHER	logical	Other Type of Joist Insulation
OTHDESC	character	Description of the Other Type of Joist Insulation
OTHRV	numeric	R-Value of the Other Type of Joist Insulation
OTHAREA	numeric	Area Covered by Other Type of Joist Insulation
NONE	logical	No Joist Insulation Material Used
UBIAREA	numeric	Floor Area Covered by Under Belly Insulation
CIMFIBER	logical	Fiberglass Batt/Blanket Cavity Insulation
CIMFIBRV	numeric	R-Value for Fiberglass Batt/Blanket Cavity Ins.
CIMFIBAREA	numeric	Area Covered by Fiberglass Batt/Blanket Cavity
CIMCELL	logical	Blown In Cellulose Cavity Insulation
CIMCELLRV	numeric	R-Value of Blown In Cellulose Cavity Insulation
CIMCELLARE	numeric	Area Covered by Blown In Cellulose Joist Insul.
CIMURE	logical	Urethane Foam Cavity Insulation
CIMURERV	numeric	R-Value of Urethane Foam Cavity Insulation
CIMUREAREA	numeric	Area Covered by Urethane Foam Cavity Insulation
CIMOTH	logical	Other Type of Cavity Insulation
CIMOTHDESC	character	Description of the Other Type of Cavity Insulation
CIMOTHRV	numeric	R-Value of the Other Type of Cavity Insulation
CIMOTHAREA	numeric	Area Covered by Other Type of Cavity Insulation
CIMNONE	logical	No Cavity Insulation Material Used
COST	numeric	Total Incremental Floor Cost Above Base Case

RCDP Door Database

Database Name: RCDPDOOR.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
DOCOMM	character	Door Comments
MATCOST	numeric	Incremental Door Material Costs Above Base Case
ACTUAL	logical	Actual Costs and Technical Specifications
SGCMOD	character	Super Good Cents Model Number
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
DOORMANF	character	Door Manufacturer
DOORMODELN	character	Door Manufacturer's Model Number
TYPEWOOD	logical	Wood Door
TYPEMLU	logical	Metal Door (uninsulated)
TYPEMLI	logical	Metal Door (insulated)
TYPEFG	logical	Fiberglass Door
TYPEOTH	logical	Other Type Door
WINDOW	logical	Door with Window
THERBRK	logical	Door with a Thermal Break
STORMD	logical	Storm Door
AREA	numeric	Area of All Doors excluding window areas
UVALUE	numeric	U-Value of Door, Including Storm Door
RVALUE	numeric	R-Value of Door
COST	numeric	Total Incremental Door Cost Above Base Case

RCDP Glazing Database

Database Name: RCDPGLAZ.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
INTEXT	logical	Both Exterior and Interior Storm Windows
EXTER	logical	Exterior Storm Windows
INTER	logical	Interior Storm Windows
STORM	logical	Storm Windows
PANES	numeric	Number of Panes per Glazing
GLCOMM	character	Glazing Comments
MATCOST	numeric	Incremental Glazing Material Costs Above Base Case
ACTUAL	logical	Actual Costs and Technical Specifications
SGCMOD	character	Super Good Cents Model Number
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
WINDOW	logical	Window
SLIDING	logical	Sliding Glass Door
SKYLIGHT	logical	Skylight
GLAZEMANF	character	Glazing Manufacturer
GLAZEMODEL	character	Glazing Manufacturer's Model Number
AREA	numeric	Area of all glazings
NUMBER	numeric	Number of glazings
FRAMEMETAL	logical	Metal Frame
FRAMEMTLTH	logical	Thermally Improved Metal Frame
FRAMEVINYL	logical	Vinyl Frame
FRAMEWOOD	logical	Wooden Frame
FRAMEOTH	logical	Other Type of Frame
OTHDESC	character	Description of the Other Type of Frame
LOWE	logical	Low Emissivity Coating on Glazing
UVALUE	numeric	U-Value for Glazings
SOURCETEST	logical	Source is a Tested U-Value
SOURCESGC	logical	Source is SGC Specification Default
COST	numeric	Total Incremental Glazing Costs Above Base Case

Most Common General Home Descriptions and Heating and Ventilation Database

Database name: MOSTCOM.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
SGCMOD	character	Super Good Cents Model Number
DUCTCOMM	character	Ductwork comments
VAPCOMM	character	Vapor/Moisture Control Measure comments
ENVPCOMM	character	Envelope Infiltration Control Measure comments
VENTCOMM	character	Ventilation System comments
HEATCOMM	character	Heating Equipment comments
WINCH	numeric	Width of the Home (inches, feet in another field)
LINCH	numeric	Length of the Home (inches, feet in another field)
TOTALCOST	numeric	Total Incremental Cost Over Base Case Home
DUCTCOST	numeric	Total Incremental Ductwork Insul. Cost Above Base
VAPORCOST	numeric	Total Incremental Cost of Vapor Control Measures
INFILCOST	numeric	Total Incremental Cost of Infiltration Control
VENTCOST	numeric	Total Incrmnt. Installed Ventilation Equip. Cost
HEATCOST	numeric	Total Installed Heating Equipment Cost above Base
COMVAPOR	logical	Vapor/Moisture Control Measures Upgraded
COMDOOR	logical	Door Upgraded
COMENVEL	logical	Envelope Infiltration Control Measures
COMFLOOR	logical	Floor Upgraded
COMVENT	logical	Ventilation System Upgraded
COMCEIL	logical	Ceiling Upgraded
COMHEAT	logical	Heating Equipment Upgraded
COMEXTW	logical	Exterior Walls Upgraded
GROSSAREA	numeric	Gross Floor Area of the Manufactured Home
WIDTH	numeric	Width of Home (feet)
LENGTH	numeric	Length of Home (feet)
DATE	date	Date of Estimates
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
SINGLE	logical	Single Section Home
MULTI	logical	Multi-section Home
CENTRAL	logical	Central Forced Air Heating Equipment
CCAPACITY	character	Capacity Central Forced Air Equipment
CMANF	character	Manufacturer of Central Forced Air Equipment
RESISFAN	logical	Electric Resistance Fan Wall Unit for Heating
RFCAPAC	character	Capacity of Electric Resistance Fan
RFMANF	character	Manufacturer of Electric Resistance Fan
RESISBASE	logical	Electric Resistance Baseboard for Heating
RBCAPAC	character	Capacity of Electric Resistance Baseboard
RBMANF	character	Manufacturer of Electric Resistance Baseboard
HEATPUMP	logical	Heat Pump
HPHSPF	numeric	Heat Pump HSPF
HPCAPAC	character	Capacity of the Heat Pump
HPMANF	character	Manufacturer of the Heat Pump
WOOD	logical	Woodstove
WOODCAPAC	character	Heating Capacity of the Woodstove
WOODMANF	character	Manufacturer of the Woodstove
FIRE	logical	Fireplace
FIRENO	numeric	Number of Fireplaces

OTHER	logical	Other Types of Heating Equipment
OTHERTYPE	character	Name of the Other Type of Heating Equipment
OTHCAPAC	character	Capacity of the Other Type of Heating Equipment
OTHRMANF	character	Manufacturer of Other Type of Heating Equipment
BLENDAIR	logical	Blendair or Equivalent Type of Ventilation System
BLENDMANF	character	Manufacturer of Blendair or Equivalent
BLENDMODEL	character	Model Number of Blendair or Equivalent
POS	logical	Positive Air Induction System (POS)
POSMANF	character	Manufacturer of Positive Air Induction System
POSMODEL	character	Model Number of Positive Air Induction System
WHOLE	logical	Whole House Exhaust System
DISC	logical	Exhaust System Discrete/Separate from Furnace
DISCMANF	character	Manufacturer of Discrete/Separate Exhaust System
DISCMODEL	character	Model Number of Discrete/Separate Exhaust System
INTEG	logical	Exhaust System Integrated w/Furnace
INTEGMANF	character	Manufacturer of Integrated Exhaust System
INTEGMODEL	character	Model Number of Integrated Exhaust System
ATA	logical	Air-to-Air Heat Exchanger
ATADISC	logical	Air-to-Air Heat Exchanger Discrete from Furnace
ADMANF	character	Manufacturer of Discrete Air-to-Air Heat Exchanger
ADMODEL	character	Model Number of Discrete Air-to-Air Heat Exchanger
ATAINTEG	logical	Air-to-Air Heat Exchanger Integrated w/Furnace
AIMANF	character	Manufacturer of Integrated Air-to-Air Heat Exchng.
AIMODEL	character	Model Number of Integrated Air-to-Air Heat Exchng.
OTHERVENT	logical	Other Ventilation Systems
OTHDESC	character	Description of Other Ventilation System
OTHVMANF	character	Manufacturer of the Other Ventilation System
OTHVMODEL	character	Model Number of the Other Ventilation System
DEHUM	logical	Dehumidistat
TIME	logical	Time of Day Clocks
CYCLE	logical	Cycle/Crank Timer
OTHERAC	logical	Other Type of Automated Controls
OTHACDESC	character	Description of the Other Type of Automated Control
NONE	logical	No Automated Controls
WALL	logical	Wall Ports
INTEGFURN	logical	Make-up Air Integrated with Furnace
OTHMUA	logical	Other Types of Make-up Air Systems
OTHMUDESC	character	Description of Other Type of Make-up Air System
NONEMUA	logical	No Make-up Air Systems
BATHF	logical	Bath Fan
BFCFM	numeric	Number of Bath Fans in the House
BFCFM	numeric	CFM of Each Bath Fan
KITFAN	logical	Kitchen Fan
KITCFM	numeric	CFM of the Kitchen Fan
OTHSRA	logical	Other Secondary/Room Systems
OTHSRADESC	character	Description of the Other Secondary/Room Systems
OTHCFM	numeric	CFM of the Other Secondary/Room Systems
NONESRA	logical	No Secondary/Room Systems
LEAKRATE	numeric	Tested Leakage Rate of the Windows
INFIL	logical	Infiltration Control Measures for Windows
WEATHER	logical	Weatherstripping Around Windows
CAULK	logical	Caulking Around Windows
OTHWIN	logical	Other Window Infiltration Control Measures
OTHWINDISC	character	Description of Other Window Infiltration Controls

DLEAKRATE	numeric	Tested Leakage Rate of the Doors
DINFIL	logical	Infiltration Control Measures for Doors
DWEATHER	logical	Weatherstripping Around Doors
DCAULK	logical	Caulking Around Doors
OTHDOOR	logical	Other Door Infiltration Control Measures
OTHDOORDES	character	Description of Other Door Infiltration Controls
JOINT	logical	Infiltration Control Measures for Joints
JOINTDESC	character	Description of Joint Infiltration Control Measures
PENET	logical	Penetration Infiltration Control Measures
PENETDESC	character	Description of Penetration Infiltration Controls
CAB	logical	Continuous Air Barrier
CABDESC	character	Description of the Continuous Air Barrier
GSR	logical	Glued Sheet Rock
GSRAREA	numeric	Area of Exterior Wall Covered by Sheet Rock
VMCWALL	logical	Vapor/Moisture Control Measures for Walls
VMCWALLDES	character	Description of Wall Vapor/Moisture Controls
VMCCEIL	logical	Vapor/Moisture Control Measures for Ceilings
VMCCEILDES	character	Description of Ceiling Vapor/Moisture Controls
VMCFLOOR	logical	Vapor/Moisture Control Measures for Floors
VMCFLOODES	character	Description of Floor Vapor/Moisture Control Meas.
DUCTINSUL	logical	Insulated Ductwork
DUCTRVAL	numeric	R-Value of Insulation in Ductwork
DUCTFT	numeric	Linear Feet of Ductwork in Unheated Space
DUCTDIA	character	Diameter of Ductwork

Most Common Exterior Wall Database

Database Name: MCEXTW.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
SGCMOD	character	Super Good Cents Model Number
EXCOMM	character	Exterior Wall Comments
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
AREA	numeric	Net Area of Exterior Walls (excluding windows)
STD	logical	Standard Wall Framing (16" on Center)
ADV	logical	Advanced Wall Framing (24" on Center)
DIM1	numeric	First Lumber Dimension (inches)
DIM2	numeric	Second Lumber Dimension (inches)
FIBERB	logical	Fiberglass Batt Cavity Insulation
FIBERBRV	numeric	R-Value of Fiberglass Batt Cavity Insulation
FIBERBAREA	numeric	Area Covered by Fiberglass Batt Cavity Insulation
CELL	logical	Blown In Cellulose Cavity Insulation
CELLRV	numeric	R-Value of Blown In Cellulose Cavity Insulation
CELLAREA	numeric	Area Covered by Blown In Cellulose Insulation
BATT	logical	Blown In/Batt Cavity Insulation w/Adhesive Binder
BATTRV	numeric	R-Value of Blown In/Batt Insulation w/Adhesive
BATTAREA	numeric	Area Covered by Blown In/Batt Insulation w/Binder
UREFOAM	logical	Urethane Foam Cavity Insulation
URERV	numeric	R-Value of Urethane Foam Cavity Insulation
UREAREA	numeric	Area Covered by Urethane Foam Cavity Insulation
FOAM	logical	Foam Core Cavity Insulation
FOAMRV	numeric	R-Value of Foam Core Cavity Insulation
FOAMAREA	numeric	Area Covered by Foam Core Cavity Insulation
OTHER	logical	Other Type of Cavity Insulation
OTHDESC	character	Description of the Other Type of Cavity Insulation
OTHRV	numeric	R-Value of the Other Type of Cavity Insulation
OTHAREA	numeric	Area Covered by Other Type of Cavity Insulation
NONE	logical	No Cavity Insulation Material Used
EXTPOLY	logical	Extruded Polystyrene Rigid Insulation
EXTRV	numeric	Extruded Polystyrene Rigid Insulation R-Value
EXTAREA	numeric	Area Covered by Extruded Polystyrene Insulation
EXPPOLY	logical	Expanded Polystyrene Rigid Insulation
EXPRV	numeric	Expanded Polystyrene Rigid Insulation R-Value
EXPAREA	numeric	Area Covered by Expanded Polystyrene Insulation
ISO	logical	Isocyanurate Rigid Insulation
ISORV	numeric	Isocyanurate Rigid Insulation R-Value
ISOAREA	numeric	Area Covered by Isocyanurate Rigid Insulation
ROTHER	logical	Other Type of Rigid Insulation
ROTHDESC	character	Description of the Other Type of Rigid Insulation
ROTHRV	numeric	Other Type of Rigid Insulation R-Value
ROTHAREA	numeric	Area Covered by the Other Type of Rigid Insulation
RNONE	logical	No Rigid Insulation is Used
COST	numeric	Total Incremental Exterior Wall Cost Above Base

Most Common Ceiling Database

Database Name: MCCEIL.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
SGCMOD	character	Super Good Cents Model Number
CECOMM	character	Ceiling Comments
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
AREA	numeric	Net Area of Ceiling excluding skylights
ATTIC	logical	Attic Ceiling
VAULT	logical	Vaulted Ceiling
STD	logical	Standard Framing
ADV	logical	Advanced Framing
ADVDESC	character	Description of Advanced Framing
FIBER	logical	Fiberglass Batt Cavity Insulation
FIBERRV	numeric	Fiberglass Batt Insulation R-Value
FIBERAREA	numeric	Area Covered by Fiberglass Batt Insulation
CELL	logical	Blown In Cellulose Cavity Insulation
CELLRV	numeric	Blown In Cellulose Insulation R-Value
CELLAREA	numeric	Area Covered by Blown In Cellulose Insulation
BFIBER	logical	Blown In Fiberglass Cavity Insulation
BFIBRV	numeric	Blown In Fiberglass Insulation R-Value
BFIBAREA	numeric	Area Covered by Blown In Fiberglass Insulation
URE	logical	Urethane Foam Cavity Insulation
URERV	numeric	Urethane Foam Insulation R-Value
UREAREA	numeric	Area Covered by Urethane Foam Insulation
OTHER	logical	Other Type of Cavity Insulation
OTHDESC	character	Description of the Other Type of Cavity Insulation
OTHRV	numeric	Other Type of Insulation R-Value
OTHAREA	numeric	Area Covered by Other Type of Insulation
NONE	logical	No Cavity Insulation is Used
EXTPOLY	logical	Extruded Polystyrene Rigid Insulation
EXTRV	numeric	Extruded Polystyrene Rigid Insulation R-Value
EXTAREA	numeric	Area Covered by Extruded Polystyrene Insulation
EXPPOLY	logical	Expanded Polystyrene Rigid Insulation
EXPRV	numeric	Expanded Polystyrene Rigid Insulation R-Value
EXPAREA	numeric	Area Covered by Expanded Polystyrene Insulation
ISO	logical	Isocyanurate Rigid Insulation
ISORV	numeric	Isocyanurate Rigid Insulation R-Value
ISOAREA	numeric	Area Covered by Isocyanurate Rigid Insulation
ROTHER	logical	Other Type of Rigid Insulation
ROTHDESC	character	Description of the Other Type of Rigid Insulation
ROTHRV	numeric	Other Type of Rigid Insulation R-Value
ROTHAREA	numeric	Area Covered by the Other Type of Rigid Insulation
RNONE	logical	No Rigid Insulation is Used
PER	logical	Rigid Insulation Added in Perimeter Only
ENT	logical	Rigid Insulation Added in Entire Ceiling
COST	numeric	Total Incremental Ceiling Cost Above Base Case

Most Common Floor Database

Database Name: MCFLOOR.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
SGCMOD	character	Super Good Cents Model Number
FLCOMM	character	Floor Comments
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
AREA	numeric	Net Area of Floor Covered by Joist Insulation
DIM1	numeric	First Lumber Dimension (inches)
DIM2	numeric	Second Lumber Dimension (inches)
FIBER	logical	Fiberglass Batt/Blanket Joist Insulation
FIBERRV	numeric	R-Value of Fiberglass Batt/Blanket Joist Insul.
FIBERAREA	numeric	Area Covered by Fiberglass Batt/Blanket Insulation
CELL	logical	Blown In Cellulose Joist Insulation
CELLRV	numeric	R-Value of Blown In Cellulose Joist Insulation
CELLAREA	numeric	Area Covered by Blown In Cellulose Joist Insul.
URE	logical	Urethane Foam Joist Insulation
URERV	numeric	R-Value of Urethane Foam Joist Insulation
UREAREA	numeric	Area Covered by Urethane Foam Joist Insulation
OTHER	logical	Other Type of Joist Insulation
OTHDESC	character	Description of the Other Type of Joist Insulation
OTHRV	numeric	R-Value of the Other Type of Joist Insulation
OTHAREA	numeric	Area Covered by Other Type of Joist Insulation
NONE	logical	No Joist Insulation Material Used
UBIAREA	numeric	Floor Area Covered by Under Belly Insulation
CIMFIBER	logical	Fiberglass Batt/Blanket Cavity Insulation
CIMFIBRV	numeric	R-Value for Fiberglass Batt/Blanket Cavity Ins.
CIMFIBAREA	numeric	Area Covered by Fiberglass Batt/Blanket Cavity
CIMCELL	logical	Blown In Cellulose Cavity Insulation
CIMCELLRV	numeric	R-Value of Blown In Cellulose Cavity Insulation
CIMCELLARE	numeric	Area Covered by Blown In Cellulose Joist Insul.
CIMURE	logical	Urethane Foam Cavity Insulation
CIMURERV	numeric	R-Value of Urethane Foam Cavity Insulation
CIMUREAREA	numeric	Area Covered by Urethane Foam Cavity Insulation
CIMOTHER	logical	Other Type of Cavity Insulation
CIMOTHDESC	character	Description of the Other Type of Cavity Insulation
CIMOTHRV	numeric	R-Value of the Other Type of Cavity Insulation
CIMOTHAREA	numeric	Area Covered by Other Type of Cavity Insulation
CIMNONE	logical	No Cavity Insulation Material Used
COST	numeric	Total Incremental Floor Cost Above Base Case

Most Common Door Database

Database Name: MCDOOR.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
SGCMOD	character	Super Good Cents Model Number
DOCOMM	character	Door Comments
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
DOORMANF	character	Door Manufacturer
DOORMODELN	character	Door Manufacturer's Model Number
TYPEWOOD	logical	Wood Door
TYPEMLU	logical	Metal Door (uninsulated)
TYPEMLI	logical	Metal Door (insulated)
TYPEFG	logical	Fiberglass Door
TYPEQTH	logical	Other Type Door
WINDOW	logical	Door with Window
THERBRK	logical	Door with a Thermal Break
STORMD	logical	Storm Door
AREA	numeric	Area of All Doors excluding window areas
UVALUE	numeric	U-Value of Door, Including Storm Door
RVALUE	numeric	R-Value of Door
COST	numeric	Total Incremental Door Cost Above Base Case

Most Common Glazing Database

Database Name: MCGLAZE.DBF

<u>FIELD NAME</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
SGCMOD	character	Super Good Cents Model Number
BOTH	logical	Both Exterior and Interior Storm Windows
EXTER	logical	Exterior Storm Windows
INTER	logical	Interior Storm Windows
STORM	logical	Storm Windows
PANES	numeric	Number of Panes per Glazing
GLCOMM	character	Glazing Comments
MANF	character	Manufactured Home Manufacturer
MODELNO	character	Manufactured Home Model Number
WINDOW	logical	Window
SLIDING	logical	Sliding Glass Door
SKYLIGHT	logical	Skylight
GLAZEMANF	character	Glazing Manufacturer
GLAZEMODEL	character	Glazing Manufacturer's Model Number
AREA	numeric	Area of all glazings
NUMBER	numeric	Number of glazings
FRAMEMETAL	logical	Metal Frame
FRAMEMTLTH	logical	Thermally Improved Metal Frame
FRAMEVINYL	logical	Vinyl Frame
FRAMEWOOD	logical	Wooden Frame
FRAMEOTH	logical	Other Type of Frame
OTHDESC	character	Description of the Other Type of Frame
LOWE	logical	Low Emissivity Coating on Glazing
UVALUE	numeric	U-Value for Glazings
SOURCETEST	logical	Source is a Tested U-Value
SOURCESGC	logical	Source is SGC Specification Default
COST	numeric	Total Incremental Glazing Costs Above Base Case

APPENDIX C

SELECTED RAW DATA FROM THE BASE CASE DATABASES

APPENDIX C

SELECTED RAW DATA FROM THE BASE CASE DATABASES

Selected technical information on each of the 150 base case homes in the base case databases is presented in the following five tables. The information is divided into five components: exterior walls, ceilings, floors, doors, and glazing characteristics. In each of the five tables, the data are in numerical SGC model number order from 801 to 954.

TABLE 1
BASE CASE MANUFACTURED HOMES
EXTERIOR WALL CHARACTERISTICS

SGC Model No.	2" X ?	Net Wall Area (sq ft)	R-Value
801	4	1006.0	11.0
802	4	919.0	11.0
803	4	1272.0	11.0
804	4	1116.0	11.0
805	4	1326.0	11.0
806	6	966.0	11.0
807	6	1121.0	11.0
808	4	1200.7	11.0
809	4	1228.0	11.0
810	6	1228.0	19.0
811	6	1086.0	11.0
812	4	895.0	11.0
813	4	1031.7	11.0
814	4	941.0	11.0
815	4	1108.2	11.0
816	4	1040.5	11.0
817	4	1044.0	11.0
818	4	1195.6	11.0
819	6	1003.5	11.0
820	4	1200.7	11.0
822	4	1088.7	11.0
823	4	1003.7	11.0
824	6	1016.0	11.0
825	6	1231.0	11.0
826	6	1253.0	19.0
827	6	1182.6	11.0
828	6	1122.0	11.0
829	6	1004.0	11.0
830	4	1029.5	11.0
831	6	1085.7	11.0
832	6	1016.0	11.0
833	4	1114.5	11.0
834	6	922.8	11.0
835	4	1059.0	11.0
836	4	1034.0	11.0
838	4	1178.0	11.0
839	4	1105.0	11.0
840	4	1077.5	11.0
841	4	1006.2	11.0
842	4	1229.0	11.0
843	6	1155.0	19.0
844	6	1102.0	11.0
845	6	1008.0	11.0
847	4	1267.4	11.0

TABLE 1
BASE CASE MANUFACTURED HOMES
EXTERIOR WALL CHARACTERISTICS

SGC Model No.	2" X ?	Net Wall Area (sq ft)	R-Value
848	4	1163.6	11.0
849	6	1177.8	11.0
850	4	1092.0	11.0
851	4	902.9	11.0
852	6	1237.0	11.0
853	6	1012.0	11.0
854	4	919.0	11.0
855	4	859.0	11.0
856	4	1022.0	11.0
857	6	992.6	11.0
858	6	992.6	11.0
859	4	1189.7	11.0
860	4	1010.7	11.0
861	6	1189.0	19.0
862	6	1050.8	11.0
863	6	1255.0	19.0
864	6	1122.0	11.0
865	6	966.0	11.0
866	6	1244.0	11.0
867	4	1194.0	11.0
868	4	1053.0	11.0
869	6	1137.3	11.0
870	4	1063.0	11.0
871	6	1137.3	11.0
872	4	948.0	11.0
873	4	937.0	11.0
874	6	1123.0	11.0
875	4	1040.6	11.0
876	4	1149.7	11.0
877	4	1089.0	11.0
878	6	1177.3	11.0
879	6	992.6	11.0
880	6	1060.5	11.0
881	4	1144.0	11.0
882	4	1042.0	11.0
883	4	1149.0	11.0
884	4	909.0	11.0
885	6	1102.0	11.0
886	4	1021.3	11.0
887	4	1144.0	11.0
888	4	962.0	11.0
889	4	1031.2	11.0
890	6	1137.3	11.0
891	4	1230.0	11.0
892	6	1123.0	11.0

TABLE 1
BASE CASE MANUFACTURED HOMES
EXTERIOR WALL CHARACTERISTICS

SGC Model No.	2" X ?	Net Wall Area (sq ft)	R-Value
893	4	1194.0	11.0
894	4	896.0	11.0
895	4	1121.0	11.0
896	4	1044.4	11.0
897	6	1137.3	11.0
898	4	1042.0	11.0
899	4	1122.3	11.0
900	4	937.0	11.0
901	6	1231.0	11.0
902	6	1255.0	19.0
903	4	1029.0	11.0
904	4	1429.6	11.0
905	4	1025.6	11.0
906	4	1144.0	11.0
907	6	1165.0	11.0
908	4	992.0	11.0
909	6	1042.0	11.0
910	6	1139.0	19.0
911	4	860.0	11.0
912	4	1207.9	11.0
913	4	1210.0	11.0
914	4	1109.0	11.0
915	4	1143.0	11.0
916	4	1115.0	11.0
917	4	1121.5	11.0
918	4	860.0	11.0
919	4	891.0	11.0
920	4	990.1	11.0
921	4	1221.0	11.0
922	4	1203.0	11.0
923	4	1109.0	11.0
924	6	992.6	11.0
925	6	992.6	11.0
926	6	992.6	11.0
927	4	1175.0	11.0
928	6	1177.3	11.0
929	6	992.6	11.0
930	6	992.6	11.0
931	6	992.6	11.0
932	4	936.0	11.0
933	6	1012.0	11.0
934	4	1144.0	11.0
935	4	1180.3	11.0
936	6	1137.3	11.0
937	4	1224.0	11.0

TABLE 1
BASE CASE MANUFACTURED HOMES
EXTERIOR WALL CHARACTERISTICS

SGC Model No.	2" X ?	Net Wall Area (sq ft)	R-Value
938	4	1107.2	11.0
939	4	1001.0	11.0
940	4	1144.0	11.0
941	6	992.6	11.0
942	4	1030.0	11.0
943	6	1177.3	11.0
944	4	1297.0	11.0
946	6	1177.3	11.0
947	4	1127.0	11.0
948	4	1147.0	11.0
949	4	1135.0	11.0
950	4	1127.0	11.0
951	4	1161.4	11.0
952	4	1134.5	11.0
953	4	1365.0	11.0
954	4	1116.0	11.0

TABLE 2
BASE CASE MANUFACTURED HOMES
CEILING CHARACTERISTICS

SGC Model No.	Attic Area (sq ft)	Attic R-Value	Vault Area (sq ft)	Vault R-Value	2" X ?
801	999.0	14.0	512.0	14.0	2
802	990.0	19.0	275.0	19.0	3
803	1015.5	19.0	1008.5	19.0	3
804	1002.0	19.0	591.0	19.0	3
805	1001.0	19.0	531.0	19.0	3
806	468.0	14.0	720.0	14.0	2
807	635.0	14.0	877.0	14.0	2
808	1118.1	19.0	673.4	19.0	3
809	1288.0	19.0	502.1	19.0	3
810	621.0	21.0	1161.0	21.0	2
811	716.2	14.0	792.0	14.0	2
812	735.0	14.0	456.0	14.0	2
813	757.6	19.0	530.5	19.0	3
814	642.4	19.0	448.4	19.0	3
815	1153.3	19.0	422.2	19.0	3
816	1017.5	19.0	507.4	19.0	3
817	877.7	19.0	522.3	19.0	3
818	1245.6	19.0	501.9	19.0	3
819	684.3	14.0	632.3	14.0	2
820	818.0	19.0	574.2	19.0	3
822	1002.1	19.0	596.2	19.0	3
823	922.9	19.0	418.7	19.0	3
824	560.0	14.0	736.0	14.0	2
825	621.0	14.0	1161.0	14.0	2
826	621.0	21.0	1161.0	21.0	2
827	641.3	14.0	1128.7	14.0	2
828	635.0	14.0	877.0	14.0	2
829	740.5	14.0	552.3	14.0	2
830	642.4	19.0	585.7	19.0	3
831	0.0	0.0	1516.0	14.0	2
832	560.0	14.0	736.0	14.0	2
833	1002.1	19.0	596.2	19.0	3
834	433.8	14.0	699.5	14.0	2
835	746.0	14.0	540.0	14.0	3
836	722.0	14.0	564.0	14.0	3
838	473.0	14.0	1275.0	14.0	2
839	550.5	14.0	1054.0	14.0	2
840	739.9	19.0	589.5	19.0	3
841	872.7	19.0	522.3	19.0	3
842	937.0	14.0	829.0	14.0	2
843	589.0	22.0	1172.0	22.0	2
844	303.0	14.0	1264.0	14.0	2
845	0.0	0.0	1511.0	14.0	2
847	695.6	19.0	1050.5	19.0	3

TABLE 2
BASE CASE MANUFACTURED HOMES
CEILING CHARACTERISTICS

SGC Model No.	Attic Area (sq ft)	Attic R-Value	Vault Area (sq ft)	Vault R-Value	2" X ?
848	1232.7	19.0	492.6	19.0	3
849	0.0	0.0	1786.8	14.0	2
850	676.0	14.0	818.0	14.0	3
851	427.0	14.0	640.0	14.0	3
852	648.0	14.0	540.0	14.0	2
853	560.0	14.0	736.0	14.0	2
854	673.0	14.0	500.0	14.0	3
855	735.0	14.0	449.0	14.0	2
856	711.0	14.0	690.0	14.0	2
857	0.0	0.0	1509.7	14.0	2
858	0.0	0.0	1509.7	14.0	2
859	1281.7	19.0	508.8	19.0	3
860	822.4	19.0	574.2	19.0	3
861	589.0	22.0	1192.0	22.0	2
862	0.0	0.0	1407.5	14.0	2
863	621.0	21.0	1161.0	21.0	2
864	635.0	14.0	877.0	14.0	2
865	468.0	14.0	720.0	14.0	2
866	659.0	14.0	1066.0	14.0	2
867	943.0	14.0	823.0	14.0	2
868	788.0	14.0	826.0	14.0	2
869	657.0	14.0	534.0	14.0	2
870	468.0	19.0	924.0	19.0	2
871	657.0	14.0	534.0	14.0	2
872	995.1	19.0	275.2	19.0	3
873	673.0	14.0	500.0	14.0	3
874	334.4	14.0	1177.6	14.0	2
875	1017.4	19.0	507.4	19.0	3
876	1325.0	19.0	331.0	19.0	3
877	676.0	14.0	810.0	14.0	3
878	0.0	0.0	1786.8	14.0	2
879	0.0	0.0	1509.7	14.0	2
880	0.0	0.0	1786.8	14.0	2
881	0.0	0.0	1512.0	14.0	2
882	664.0	14.0	515.0	14.0	2
883	995.0	14.0	604.0	14.0	2
884	745.0	14.0	550.0	14.0	2
885	303.0	14.0	1264.0	14.0	2
886	886.7	19.0	520.9	19.0	3
887	0.0	0.0	1505.0	14.0	2
888	1330.3	19.0	0.0	0.0	3
889	1151.3	19.0	240.8	19.0	3
890	657.0	14.0	534.0	14.0	2
891	953.0	14.0	828.0	14.0	2
892	334.4	14.0	1177.6	14.0	2

TABLE 2
BASE CASE MANUFACTURED HOMES
CEILING CHARACTERISTICS

SGC Model No.	Attic Area (sq ft)	Attic R-Value	Vault Area (sq ft)	Vault R-Value	2" X ?
893	853.0	14.0	933.0	14.0	2
894	711.0	14.0	462.0	14.0	2
895	858.0	19.0	742.0	19.0	2
896	924.4	19.0	516.4	19.0	3
897	657.0	14.0	534.0	14.0	2
898	664.0	14.0	515.0	14.0	2
899	1216.1	19.0	511.3	19.0	3
900	673.0	14.0	500.0	14.0	3
901	621.0	14.0	1161.0	14.0	2
902	621.0	21.0	1161.0	21.0	2
903	976.7	19.0	507.4	19.0	3
904	1001.4	19.0	1154.7	19.0	3
905	1017.4	19.0	507.4	19.0	3
906	0.0	0.0	1512.0	14.0	2
907	0.0	0.0	1742.0	21.0	2
908	684.0	14.0	610.0	14.0	2
909	521.6	14.0	974.0	14.0	2
910	561.0	22.0	1183.0	22.0	2
911	738.0	14.0	444.5	14.0	2
912	1281.7	19.0	508.8	19.0	3
913	441.0	19.0	1390.0	19.0	2
914	353.0	19.0	1168.0	19.0	2
915	771.0	14.0	795.0	14.0	2
916	761.0	14.0	785.0	14.0	2
917	1316.6	19.0	363.4	19.0	3
918	738.0	14.0	454.0	14.0	2
919	684.0	14.0	392.0	14.0	2
920	708.9	19.0	488.8	19.0	3
921	927.0	19.0	833.0	19.0	2
922	656.0	19.0	1104.0	19.0	2
923	342.0	19.0	1175.0	19.0	2
924	0.0	0.0	1509.7	14.0	2
925	0.0	0.0	1509.7	14.0	2
926	0.0	0.0	1509.7	14.0	2
927	792.0	19.0	970.0	19.0	2
928	0.0	0.0	1786.8	14.0	2
929	0.0	0.0	1509.7	14.0	2
930	0.0	0.0	1509.7	14.0	2
931	0.0	0.0	1509.7	14.0	2
932	241.0	19.0	939.0	19.0	2
933	560.0	14.0	736.0	14.0	2
934	0.0	0.0	1512.0	14.0	2
935	0.0	0.0	1726.0	14.0	2
936	657.0	14.0	534.0	14.0	2
937	931.0	14.0	855.0	14.0	2

TABLE 2
BASE CASE MANUFACTURED HOMES
CEILING CHARACTERISTICS

SGC Model No.	Attic Area (sq ft)	Attic R-Value	Vault Area (sq ft)	Vault R-Value	2" X ?
938	1020.4	19.0	586.2	19.0	3
939	721.0	14.0	687.0	14.0	2
940	848.0	14.0	917.0	14.0	2
941	0.0	0.0	1509.7	14.0	2
942	0.0	0.0	1296.0	14.0	2
943	0.0	0.0	1786.8	14.0	2
944	881.0	19.0	1135.0	19.0	2
946	0.0	0.0	1786.8	14.0	2
947	643.0	14.0	1064.0	14.0	2
948	853.0	14.0	917.0	14.0	2
949	644.0	14.0	916.0	14.0	2
950	788.0	14.0	836.0	14.0	2
951	1398.1	19.0	396.5	19.0	3
952	1003.5	19.0	505.3	19.0	3
953	1122.0	19.0	971.3	19.0	3
954	755.0	14.0	794.0	14.0	2

TABLE 3
BASE CASE MANUFACTURED HOMES
FLOOR CHARACTERISTICS

SGC Model No.	2" X ?	Floor Area (sq. ft.)	Underbelly R-Value
801	6	1511.0	7.0
802	8	1263.5	11.0
803	8	2026.0	11.0
804	8	1590.0	11.0
805	8	1529.0	11.0
806	6	1188.0	11.0
807	6	1512.0	11.0
808	8	1787.8	11.0
809	8	1768.5	11.0
810	6	1782.0	11.0
811	6	1498.0	11.0
812	6	1191.0	7.0
813	8	1285.0	11.0
814	8	1078.0	11.0
815	8	1575.0	11.0
816	8	1522.0	11.0
817	8	1397.0	11.0
818	8	1744.5	11.0
819	6	1284.0	11.0
820	8	1388.8	11.0
822	8	1595.0	11.0
823	8	1338.6	11.0
824	6	1296.0	11.0
825	6	1782.0	11.0
826	6	1782.0	11.0
827	6	1765.5	11.0
828	6	1512.0	11.0
829	6	1284.0	11.0
830	8	1225.0	11.0
831	6	1498.0	11.0
832	6	1296.0	11.0
833	8	1595.0	11.0
834	6	1128.0	11.0
835	6	1286.0	7.0
836	6	1286.0	7.0
838	6	1773.0	7.0
839	6	1624.0	7.0
840	8	1326.0	11.0
841	8	1392.0	11.0
842	6	1786.0	7.0
843	6	1781.0	11.0
844	6	1546.5	11.0
845	6	1493.0	11.0
847	8	1745.5	11.0

TABLE 3
BASE CASE MANUFACTURED HOMES
FLOOR CHARACTERISTICS

SGC Model No.	2" X ?	Floor Area (sq. ft.)	Underbelly R-Value
848	8	1712.0	11.0
849	6	1760.2	11.0
850	6	1494.0	7.0
851	6	1067.0	7.0
852	6	1173.0	11.0
853	6	1296.0	11.0
854	6	1173.0	7.0
855	6	1191.0	7.0
856	6	1408.0	7.0
857	6	1493.0	11.0
858	6	1493.0	11.0
859	8	1776.4	11.0
860	8	1388.7	11.0
861	6	1781.0	11.0
862	6	1387.0	11.0
863	6	1782.0	11.0
864	6	1512.0	11.0
865	6	1188.0	11.0
866	6	1707.0	11.0
867	6	1786.0	7.0
868	6	1629.0	7.0
869	6	1173.0	11.0
870	6	1392.0	7.0
871	6	1173.0	11.0
872	8	1268.8	11.0
873	6	1173.0	7.0
874	6	1493.0	11.0
875	8	1522.0	11.0
876	8	1649.6	11.0
877	6	1494.0	7.0
878	6	1760.2	11.0
879	6	1494.0	11.0
880	6	1760.2	11.0
881	6	1494.0	7.0
882	6	1387.0	7.0
883	6	1600.0	7.0
884	6	1305.0	7.0
885	6	1546.5	11.0
886	8	1404.4	11.0
887	6	1494.0	7.0
888	8	1330.3	11.0
889	8	1390.0	11.0
890	6	1173.0	11.0
891	6	1791.0	7.0
892	6	1493.0	11.0

TABLE 3
BASE CASE MANUFACTURED HOMES
FLOOR CHARACTERISTICS

SGC Model No.	2" X ?	Floor Area (sq. ft.)	Underbelly R-Value
893	6	1786.0	7.0
894	6	1173.0	7.0
895	6	1600.0	7.0
896	8	1438.0	11.0
897	6	1173.0	11.0
898	6	1387.0	7.0
899	8	1724.7	11.0
900	6	1173.0	7.0
901	6	1782.0	11.0
902	6	1782.0	11.0
903	8	1517.3	11.0
904	8	2149.8	11.0
905	8	1521.5	11.0
906	6	1494.0	7.0
907	6	1742.0	11.0
908	6	1299.0	7.0
909	6	1493.0	11.0
910	6	1764.0	11.0
911	6	1192.0	7.0
912	8	1776.4	11.0
913	6	1831.0	7.0
914	6	1521.0	7.0
915	6	1566.0	11.0
916	6	1566.0	11.0
917	8	1671.3	11.0
918	6	1192.0	7.0
919	6	1084.0	7.0
920	8	1194.8	11.0
921	6	1760.0	7.0
922	6	1760.0	7.0
923	6	1521.0	7.0
924	6	1494.0	11.0
925	6	1493.0	11.0
926	6	1493.0	11.0
927	6	1756.0	7.0
928	6	1760.2	11.0
929	6	1493.0	11.0
930	6	1494.0	11.0
931	6	1493.0	11.0
932	6	1169.0	7.0
933	6	1296.0	11.0
934	6	1494.0	7.0
935	6	1707.0	7.0
936	6	1173.0	11.0
937	6	1786.0	7.0

TABLE 3
BASE CASE MANUFACTURED HOMES
FLOOR CHARACTERISTICS

SGC Model No.	2" X ?	Floor Area (sq. ft.)	Underbelly R-Value
938	8	1603.1	11.0
939	6	1408.0	7.0
940	6	1775.0	7.0
941	6	1493.0	11.0
942	6	1284.0	7.0
943	6	1760.2	11.0
944	6	2013.0	7.0
946	6	1760.2	11.0
947	6	1726.0	11.0
948	6	1770.0	7.0
949	6	1570.0	7.0
950	6	1624.0	7.0
951	8	1791.7	11.0
952	8	1506.1	11.0
953	8	2088.1	11.0
954	6	1569.0	7.0

TABLE 4
BASE CASE MANUFACTURED HOMES
DOOR CHARACTERISTICS

SGC Model No.	With Window (T/F)	With Thermal Break (T/F)	With Storm Door (T/F)	Total Door Area (sq ft)	U-Value
801	.T.	.T.	.F.	35.0	0.50
802	.F.	.T.	.F.	40.0	0.19
803	.F.	.T.	.F.	40.0	0.19
804	.F.	.T.	.F.	40.0	0.19
805	.F.	.F.	.F.	40.0	0.19
806	.F.	.T.	.F.	21.5	0.22
806	.T.	.T.	.F.	21.5	0.25
807	.F.	.T.	.F.	21.5	0.22
807	.T.	.T.	.F.	21.5	0.25
808	.F.	.T.	.F.	40.0	0.19
809	.F.	.T.	.F.	40.0	0.19
810	.F.	.T.	.F.	21.5	0.22
810	.T.	.T.	.F.	21.5	0.25
811	.F.	.T.	.F.	17.0	0.19
811	.T.	.T.	.F.	17.0	0.25
812	.T.	.T.	.F.	35.0	0.50
813	.F.	.T.	.F.	60.0	0.19
814	.F.	.F.	.F.	40.0	0.19
815	.F.	.F.	.F.	40.0	0.19
816	.F.	.F.	.F.	40.0	0.19
817	.F.	.F.	.F.	40.0	0.19
818	.F.	.T.	.F.	40.0	0.19
819	.T.	.T.	.F.	34.0	0.25
819	.T.	.T.	.F.	34.0	0.25
820	.F.	.T.	.F.	40.0	0.19
822	.F.	.T.	.F.	40.0	0.19
823	.F.	.T.	.F.	40.0	0.19
824	.F.	.T.	.F.	21.5	0.22
824	.T.	.T.	.F.	21.5	0.25
825	.F.	.T.	.F.	21.5	0.22
825	.T.	.T.	.F.	21.5	0.25
826	.F.	.T.	.F.	21.5	0.22
826	.T.	.T.	.F.	21.5	0.25
827	.T.	.T.	.F.	17.0	0.25
827	.F.	.T.	.F.	17.0	0.19
828	.F.	.T.	.F.	21.5	0.22
828	.T.	.T.	.F.	21.5	0.25
829	.T.	.T.	.F.	34.0	0.25
830	.F.	.T.	.F.	40.0	0.19
831	.F.	.T.	.F.	17.0	0.19
831	.T.	.T.	.F.	17.0	0.25
832	.F.	.T.	.F.	21.5	0.22
832	.T.	.T.	.F.	21.5	0.25
833	.F.	.T.	.F.	40.0	0.19

TABLE 4
BASE CASE MANUFACTURED HOMES
DOOR CHARACTERISTICS

SGC Model No.	With Window (T/F)	With Thermal Break (T/F)	With Storm Door (T/F)	Total Door Area (sq ft)	U-Value
834	.F.	.T.	.F.	17.0	0.19
834	.T.	.T.	.F.	17.0	0.25
835	.F.	.T.	.F.	34.0	0.19
836	.F.	.T.	.F.	34.0	0.19
838	.T.	.T.	.F.	35.0	0.50
839	.F.	.T.	.T.	17.5	0.18
839	.T.	.T.	.F.	17.5	0.40
840	.F.	.T.	.F.	60.0	0.19
841	.F.	.T.	.F.	40.0	0.19
842	.T.	.T.	.F.	35.0	0.50
843	.T.	.T.	.F.	35.0	0.50
844	.T.	.T.	.F.	34.0	0.25
845	.F.	.T.	.F.	17.0	0.19
845	.T.	.T.	.F.	17.0	0.25
847	.F.	.T.	.F.	40.0	0.19
848	.F.	.T.	.F.	60.0	0.19
849	.F.	.T.	.F.	17.0	0.19
849	.T.	.T.	.F.	17.0	0.25
850	.F.	.T.	.F.	34.0	0.19
851	.F.	.T.	.F.	34.0	0.19
852	.T.	.T.	.F.	34.0	0.25
853	.F.	.T.	.F.	21.5	0.22
853	.T.	.T.	.F.	21.5	0.25
854	.F.	.T.	.F.	34.0	0.19
855	.T.	.T.	.F.	35.0	0.50
856	.T.	.T.	.F.	35.0	0.50
857	.F.	.T.	.F.	17.0	0.19
857	.T.	.T.	.F.	17.0	0.25
858	.F.	.T.	.F.	17.0	0.19
858	.T.	.T.	.F.	17.0	0.25
859	.F.	.T.	.F.	40.0	0.19
860	.F.	.T.	.F.	40.0	0.19
861	.T.	.T.	.F.	35.0	0.50
862	.F.	.T.	.F.	17.0	0.19
862	.T.	.T.	.F.	17.0	0.25
863	.F.	.T.	.F.	21.5	0.22
863	.T.	.T.	.F.	21.5	0.25
864	.F.	.T.	.F.	21.5	0.22
864	.T.	.T.	.F.	21.5	0.25
865	.F.	.T.	.F.	21.5	0.22
865	.T.	.T.	.F.	21.5	0.25
866	.T.	.T.	.F.	17.0	0.25
866	.F.	.T.	.F.	17.0	0.19
867	.T.	.T.	.F.	35.0	0.50
868	.T.	.T.	.F.	35.0	0.50

TABLE 4
BASE CASE MANUFACTURED HOMES
DOOR CHARACTERISTICS

SGC Model No.	With Window (T/F)	With Thermal Break (T/F)	With Storm Door (T/F)	Total Door Area (sq ft)	U-Value
869	.T.	.T.	.F.	34.0	0.25
870	.F.	.T.	.F.	40.0	0.22
871	.T.	.T.	.F.	34.0	0.25
872	.F.	.T.	.F.	40.0	0.19
873	.F.	.T.	.F.	34.0	0.19
874	.T.	.T.	.F.	34.0	0.25
875	.F.	.T.	.F.	40.0	0.19
876	.F.	.T.	.F.	40.0	0.19
877	.F.	.T.	.F.	34.0	0.19
878	.F.	.T.	.F.	17.0	0.19
878	.T.	.T.	.F.	17.0	0.25
879	.F.	.T.	.F.	17.0	0.19
879	.T.	.T.	.F.	17.0	0.25
880	.F.	.T.	.F.	17.0	0.19
880	.T.	.T.	.F.	17.0	0.25
881	.F.	.T.	.F.	34.0	0.19
882	.T.	.T.	.F.	17.0	0.25
882	.F.	.T.	.F.	17.0	0.19
883	.T.	.T.	.F.	17.0	0.25
883	.F.	.T.	.F.	17.0	0.19
884	.T.	.T.	.F.	35.0	0.50
885	.T.	.T.	.F.	34.0	0.25
886	.F.	.T.	.F.	40.0	0.19
887	.F.	.T.	.F.	34.0	0.19
888	.F.	.T.	.F.	40.0	0.19
889	.F.	.T.	.F.	40.0	0.19
890	.T.	.T.	.F.	34.0	0.25
891	.T.	.T.	.F.	35.0	0.50
892	.T.	.T.	.F.	34.0	0.25
893	.T.	.T.	.F.	35.0	0.50
894	.T.	.T.	.F.	17.0	0.25
894	.F.	.T.	.F.	17.0	0.19
895	.F.	.T.	.F.	40.0	0.19
896	.F.	.T.	.F.	40.0	0.19
897	.T.	.T.	.F.	34.0	0.25
898	.T.	.T.	.F.	17.0	0.25
898	.F.	.T.	.F.	17.0	0.19
899	.F.	.T.	.F.	40.0	0.19
900	.F.	.T.	.F.	34.0	0.19
901	.F.	.T.	.F.	21.5	0.22
901	.T.	.T.	.F.	21.5	0.25
902	.F.	.T.	.F.	21.5	0.22
902	.T.	.T.	.F.	21.5	0.25
903	.F.	.T.	.F.	40.0	0.19
904	.F.	.T.	.F.	40.0	0.19

TABLE 4
BASE CASE MANUFACTURED HOMES
DOOR CHARACTERISTICS

SGC Model No.	With Window (T/F)	With Thermal Break (T/F)	With Storm Door (T/F)	Total Door Area (sq ft)	U-Value
905	.F.	.T.	.F.	40.0	0.19
906	.F.	.T.	.F.	34.0	0.19
907	.F.	.T.	.F.	19.0	0.19
907	.T.	.T.	.F.	19.0	0.25
908	.T.	.T.	.F.	17.0	0.50
908	.F.	.T.	.T.	17.5	0.18
909	.T.	.T.	.F.	34.0	0.25
910	.T.	.T.	.F.	35.0	0.50
911	.T.	.T.	.F.	35.0	0.50
912	.F.	.T.	.F.	40.0	0.19
913	.F.	.T.	.F.	40.0	0.19
914	.F.	.T.	.F.	20.0	0.22
914	.T.	.T.	.F.	20.0	0.25
915	.F.	.T.	.T.	17.5	0.18
915	.T.	.T.	.F.	17.5	0.40
916	.F.	.T.	.T.	17.5	0.18
916	.T.	.T.	.F.	17.5	0.40
917	.F.	.T.	.F.	40.0	0.19
918	.T.	.T.	.F.	35.0	0.50
919	.T.	.T.	.F.	35.0	0.50
920	.F.	.T.	.F.	40.0	0.19
921	.F.	.T.	.F.	40.0	0.19
922	.F.	.T.	.F.	40.0	0.19
923	.F.	.T.	.F.	20.0	0.22
923	.T.	.T.	.F.	20.0	0.25
924	.F.	.T.	.F.	17.0	0.19
924	.T.	.T.	.F.	17.0	0.25
925	.F.	.T.	.F.	17.0	0.19
925	.T.	.T.	.F.	17.0	0.25
926	.T.	.T.	.F.	17.0	0.25
926	.F.	.T.	.F.	17.0	0.19
927	.F.	.T.	.F.	20.0	0.22
927	.T.	.T.	.F.	20.0	0.25
928	.F.	.T.	.F.	17.0	0.19
928	.T.	.T.	.F.	17.0	0.25
929	.F.	.T.	.F.	17.0	0.19
929	.T.	.T.	.F.	17.0	0.25
930	.F.	.T.	.F.	17.0	0.19
930	.T.	.T.	.F.	17.0	0.25
931	.T.	.T.	.F.	17.0	0.25
931	.F.	.T.	.F.	17.0	0.19
932	.F.	.T.	.F.	40.0	0.19
933	.F.	.T.	.F.	21.5	0.22
933	.T.	.T.	.F.	21.5	0.25
934	.F.	.T.	.F.	34.0	0.19

TABLE 4
BASE CASE MANUFACTURED HOMES
DOOR CHARACTERISTICS

SGC Model No.	With Window (T/F)	With Thermal Break (T/F)	With Storm Door (T/F)	Total Door Area (sq ft)	U-Value
935	.F.	.T.	.F.	34.0	0.19
936	.T.	.T.	.F.	34.0	0.25
937	.T.	.T.	.F.	35.0	0.40
938	.F.	.T.	.F.	40.0	0.19
939	.T.	.T.	.F.	35.0	0.50
940	.T.	.T.	.F.	35.0	0.50
941	.F.	.T.	.F.	17.0	0.19
941	.T.	.T.	.F.	17.0	0.25
942	.F.	.T.	.F.	34.0	0.19
943	.F.	.T.	.F.	17.0	0.19
943	.T.	.T.	.F.	17.0	0.25
944	.F.	.T.	.F.	20.0	0.19
946	.F.	.T.	.F.	17.0	0.19
946	.T.	.T.	.F.	17.0	0.25
947	.F.	.T.	.T.	17.5	0.18
947	.T.	.T.	.F.	17.5	0.50
948	.T.	.T.	.F.	35.0	0.40
949	.F.	.T.	.T.	17.5	0.18
949	.T.	.F.	.F.	17.5	0.50
950	.T.	.T.	.F.	35.0	0.50
951	.F.	.T.	.F.	40.0	0.19
952	.F.	.T.	.F.	40.0	0.19
953	.F.	.T.	.F.	60.0	0.19
954	.F.	.T.	.T.	17.5	0.18
954	.T.	.T.	.F.	17.5	0.40

TABLE 5
BASE CASE MANUFACTURED HOMES
GLAZING CHARACTERISTICS

SGC Model	Window (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	No. of Windows	U-Value
301	.T.	.F.	.F.	126.0	10	0.75
302	.T.	.F.	.F.	166.0	13	0.75
303	.T.	.F.	.F.	250.0	21	0.75
304	.T.	.F.	.F.	150.0	13	0.75
305	.T.	.F.	.F.	124.0	12	0.75
306	.T.	.F.	.F.	134.0	9	0.75
307	.T.	.F.	.F.	159.0	11	0.75
308	.T.	.F.	.F.	171.7	12	0.75
309	.T.	.F.	.F.	147.6	13	0.75
310	.T.	.F.	.F.	178.0	10	0.75
311	.T.	.F.	.F.	206.0	13	0.75
312	.T.	.F.	.F.	138.0	11	0.75
313	.T.	.F.	.F.	148.8	10	0.75
314	.T.	.F.	.F.	117.2	10	0.75
315	.T.	.F.	.F.	182.4	14	0.75
316	.T.	.F.	.F.	187.0	13	0.75
317	.T.	.F.	.F.	112.0	9	0.75
318	.T.	.F.	.F.	148.2	11	0.75
319	.T.	.F.	.F.	124.2	10	0.75
320	.T.	.F.	.F.	145.6	12	0.75
322	.T.	.F.	.F.	179.7	16	0.75
323	.T.	.F.	.F.	175.6	11	0.75
324	.T.	.F.	.F.	105.0	8	0.75
325	.T.	.F.	.F.	173.0	10	0.75
326	.T.	.F.	.F.	151.0	11	0.75
327	.T.	.F.	.F.	206.0	13	0.75
327	.F.	.T.	.F.	9.5	1	0.70
328	.T.	.F.	.F.	159.0	11	0.75
329	.T.	.F.	.F.	123.7	10	0.75
330	.T.	.F.	.F.	117.2	10	0.75
331	.T.	.F.	.F.	206.0	13	0.75
332	.T.	.F.	.F.	105.0	8	0.75
333	.T.	.F.	.F.	153.9	14	0.75
334	.T.	.F.	.F.	138.2	9	0.75
335	.T.	.F.	.F.	101.0	8	0.75
336	.T.	.F.	.F.	126.0	9	0.75
338	.T.	.F.	.F.	215.0	17	0.75
338	.F.	.T.	.F.	25.0	3	0.91
339	.T.	.F.	.F.	213.0	17	0.75
339	.F.	.T.	.F.	19.5	2	0.91
340	.T.	.F.	.F.	133.0	9	0.75
341	.T.	.F.	.F.	149.2	13	0.75
342	.T.	.F.	.F.	136.0	11	0.75
342	.F.	.T.	.F.	20.0	2	0.91

TABLE 5
BASE CASE MANUFACTURED HOMES
GLAZING CHARACTERISTICS

SGC Model	Window (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	No. of Windows	U-Value
843	.T.	.F.	.F.	238.0	15	0.75
843	.F.	.T.	.F.	20.0	2	0.91
844	.T.	.F.	.F.	164.0	10	0.75
845	.T.	.F.	.F.	198.0	11	0.75
847	.T.	.F.	.F.	190.1	14	0.75
848	.T.	.F.	.F.	188.8	14	0.75
849	.T.	.F.	.F.	231.0	17	0.75
850	.T.	.F.	.F.	133.0	12	0.75
851	.T.	.F.	.F.	90.1	8	0.75
852	.T.	.F.	.F.	104.5	8	0.75
853	.T.	.F.	.F.	109.0	8	0.75
854	.T.	.F.	.F.	106.8	10	0.75
855	.T.	.F.	.F.	104.5	9	0.75
855	.F.	.T.	.F.	7.0	1	0.91
856	.T.	.F.	.F.	146.0	11	0.75
857	.T.	.F.	.F.	217.0	14	0.75
858	.T.	.F.	.F.	217.0	14	0.75
859	.T.	.F.	.F.	220.5	14	0.75
860	.T.	.F.	.F.	149.6	14	0.75
861	.T.	.F.	.F.	192.0	14	0.75
862	.T.	.F.	.F.	149.0	10	0.75
863	.T.	.F.	.F.	151.0	11	0.75
864	.T.	.F.	.F.	159.0	11	0.75
865	.T.	.F.	.F.	134.0	9	0.75
866	.T.	.F.	.F.	189.0	16	0.75
867	.T.	.F.	.F.	171.0	17	0.75
867	.F.	.T.	.F.	20.0	2	0.70
868	.T.	.F.	.F.	222.0	15	0.75
868	.F.	.T.	.F.	15.0	2	0.70
869	.T.	.F.	.F.	103.7	8	0.75
870	.T.	.F.	.F.	187.0	13	0.75
871	.T.	.F.	.F.	103.7	8	0.75
872	.T.	.F.	.F.	149.0	11	0.75
873	.T.	.F.	.F.	115.2	11	0.75
874	.T.	.F.	.F.	190.6	13	0.75
875	.T.	.F.	.F.	187.0	13	0.75
876	.T.	.F.	.F.	178.0	14	0.75
877	.T.	.F.	.F.	143.7	12	0.75
877	.F.	.T.	.F.	8.0	1	0.81
878	.T.	.F.	.F.	198.7	15	0.75
879	.T.	.F.	.F.	217.0	14	0.75
880	.T.	.F.	.F.	348.5	15	0.75
881	.T.	.F.	.F.	169.0	13	0.75
882	.T.	.F.	.F.	104.0	8	0.75
883	.T.	.F.	.F.	117.0	9	0.75

TABLE 5
BASE CASE MANUFACTURED HOMES
GLAZING CHARACTERISTICS

GC Model	Window (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	No. of Windows	U-Value
84	.T.	.F.	.F.	111.0	10	0.75
84	.F.	.T.	.F.	10.0	1	0.70
85	.T.	.F.	.F.	164.0	10	0.75
86	.T.	.F.	.F.	137.3	12	0.75
87	.T.	.F.	.F.	169.0	13	0.75
87	.F.	.T.	.F.	7.0	1	0.70
88	.T.	.F.	.F.	149.6	13	0.75
89	.T.	.F.	.F.	148.8	11	0.75
90	.T.	.F.	.F.	103.7	8	0.75
91	.T.	.F.	.F.	135.0	11	0.75
91	.F.	.T.	.F.	10.0	1	0.70
92	.T.	.F.	.F.	190.6	13	0.75
93	.T.	.F.	.F.	171.0	17	0.75
94	.T.	.F.	.F.	130.0	9	0.75
94	.F.	.T.	.F.	7.0	1	0.50
95	.T.	.F.	.F.	164.0	11	0.75
96	.T.	.F.	.F.	141.1	11	0.75
97	.T.	.F.	.F.	103.7	8	0.75
98	.T.	.F.	.F.	104.0	8	0.75
99	.T.	.F.	.F.	224.6	18	0.75
00	.T.	.F.	.F.	115.2	11	0.75
01	.T.	.F.	.F.	173.0	10	0.75
02	.T.	.F.	.F.	151.0	11	0.75
03	.T.	.F.	.F.	184.9	12	0.75
04	.T.	.F.	.F.	141.9	10	0.75
04	.F.	.F.	.F.	40.9	1	0.75
05	.T.	.F.	.F.	201.8	14	0.75
06	.T.	.F.	.F.	169.0	13	0.75
07	.T.	.F.	.F.	198.0	10	0.75
08	.T.	.F.	.F.	117.0	10	0.75
08	.F.	.T.	.F.	5.0	1	0.70
09	.T.	.F.	.F.	164.0	10	0.75
09	.F.	.T.	.F.	14.0	1	0.70
10	.T.	.F.	.F.	254.0	18	0.75
10	.F.	.T.	.F.	20.0	2	0.70
11	.T.	.F.	.F.	104.0	9	0.75
11	.F.	.T.	.F.	9.5	1	0.70
12	.T.	.F.	.F.	222.5	15	0.75
13	.T.	.F.	.F.	226.0	16	0.75
14	.T.	.F.	.F.	187.0	13	0.75
15	.T.	.F.	.F.	146.0	12	0.75
16	.T.	.F.	.F.	174.0	14	0.75
16	.F.	.T.	.F.	20.0	2	0.70
17	.T.	.F.	.F.	255.5	17	0.75
18	.T.	.F.	.F.	104.0	9	0.75

TABLE 5
BASE CASE MANUFACTURED HOMES
GLAZING CHARACTERISTICS

SGC Model	Window (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	No. of Windows	U-Value
919	.T.	.F.	.F.	84.0	7	0.75
919	.F.	.T.	.F.	8.0	1	0.70
920	.T.	.F.	.F.	150.2	10	0.75
921	.T.	.F.	.F.	169.0	11	0.75
922	.T.	.F.	.F.	178.0	11	0.75
923	.T.	.F.	.F.	187.0	13	0.75
924	.T.	.F.	.F.	217.0	14	0.75
925	.T.	.F.	.F.	217.0	14	0.75
926	.T.	.F.	.F.	217.0	14	0.75
927	.T.	.F.	.F.	185.0	11	0.75
927	.F.	.T.	.F.	20.0	2	0.85
928	.T.	.F.	.F.	198.7	15	0.75
929	.T.	.F.	.F.	217.0	14	0.75
930	.T.	.F.	.F.	217.0	14	0.75
931	.T.	.F.	.F.	217.0	14	0.75
932	.T.	.F.	.F.	124.0	9	0.75
933	.T.	.F.	.F.	109.0	8	0.75
934	.T.	.F.	.F.	169.0	13	0.75
935	.T.	.F.	.F.	195.7	15	0.75
935	.F.	.T.	.F.	7.0	1	0.70
936	.T.	.F.	.F.	103.7	8	0.75
937	.T.	.F.	.F.	141.0	11	0.75
938	.T.	.F.	.F.	166.8	13	0.75
939	.T.	.F.	.F.	154.0	9	0.75
940	.T.	.F.	.F.	221.0	18	0.75
940	.F.	.T.	.F.	10.0	1	0.70
941	.T.	.F.	.F.	217.0	14	0.75
942	.T.	.F.	.F.	123.1	10	0.75
943	.T.	.F.	.F.	198.7	15	0.75
944	.T.	.F.	.F.	265.0	17	0.75
946	.T.	.F.	.F.	198.7	15	0.75
947	.T.	.F.	.F.	236.0	18	0.75
947	.F.	.T.	.F.	19.0	2	0.70
948	.T.	.F.	.F.	218.0	17	0.75
949	.T.	.F.	.F.	154.0	13	0.75
949	.F.	.T.	.F.	10.0	2	0.70
950	.T.	.F.	.F.	162.0	11	0.75
951	.T.	.F.	.F.	225.4	16	0.75
952	.T.	.F.	.F.	182.6	14	0.75
953	.T.	.F.	.F.	197.5	15	0.75
954	.T.	.F.	.F.	173.0	12	0.75
954	.F.	.T.	.F.	20.0	2	0.70

APPENDIX D

SELECTED RAW DATA FROM THE RCDP DATABASES

APPENDIX D

SELECTED RAW DATA FROM THE RCDP DATABASES

Selected technical and incremental cost information on each of the 150 RCDP homes in the RCDP databases is presented in the following six tables. The first five tables present information on five components: exterior walls, ceilings, floors, doors, and glazing. Table 6 presents incremental cost data for other components as well as the total incremental cost for each SGC home. In each of the six tables, the data are in numerical SGC model number order from 801 to 954.

TABLE 1
SGC MANUFACTURED HOMES
EXTERIOR WALL CHARACTERISTICS

SGC Model No.	2" X ?	Net Wall Area (sq. ft.)	R-Value	Incremental Exterior Wall Cost (\$)
801	6.0	1006.0	19.0	504.00
802	6.0	927.0	22.0	777.00
803	6.0	1290.0	22.0	730.00
804	6.0	1123.0	19.0	472.25
805	6.0	1326.0	22.0	563.67
806	6.0	975.0	22.0	82.00
807	6.0	1117.0	22.0	107.00
808	6.0	1205.4	22.0	615.00
809	6.0	1174.9	19.0	498.00
811	6.0	1140.0	22.0	254.00
812	6.0	897.0	19.0	476.00
813	6.0	1050.5	19.0	436.00
814	6.0	941.2	19.0	394.00
815	6.0	1142.6	30.0	1679.00
816	6.0	1092.5	19.0	452.00
817	6.0	1001.0	22.0	531.00
818	6.0	1172.8	19.0	497.00
819	6.0	965.3	22.0	210.00
820	6.0	1227.3	19.0	425.00
822	6.0	1093.4	19.0	467.00
823	6.0	1008.9	19.0	446.00
824	6.0	1012.0	19.0	79.00
825	6.0	1229.5	19.0	39.00
827	6.0	1174.6	22.0	239.00
828	6.0	1122.0	22.0	153.00
829	6.0	1023.2	22.0	209.00
830	6.0	1001.7	19.0	526.00
831	6.0	1147.7	22.0	234.00
832	6.0	1012.0	19.0	79.00
833	6.0	1109.4	19.0	498.00
834	6.0	937.0	22.0	192.00
835	6.0	1059.0	19.0	414.00
836	6.0	1034.0	22.0	439.00
838	6.0	1178.0	19.0	1104.00
839	6.0	1105.0	19.0	454.00
840	6.0	1066.5	19.0	446.00
841	6.0	1017.4	22.0	531.00
842	6.0	1229.0	19.0	1104.00
844	6.0	1069.0	22.0	218.00
845	6.0	1056.0	22.0	215.00
847	6.0	1257.5	22.0	615.00
848	6.0	1181.4	19.0	498.00
849	6.0	1232.7	22.0	251.00
850	6.0	1092.0	19.0	414.00

TABLE 1
SGC MANUFACTURED HOMES
EXTERIOR WALL CHARACTERISTICS

SGC Model No.	2" X ?	Net Wall Area (sq. ft.)	R-Value	Incremental Exterior Wall Cost (\$)
851	6.0	902.9	19.0	414.00
852	6.0	1237.0	22.0	251.00
853	6.0	1012.0	19.0	79.00
854	6.0	919.0	19.0	415.00
855	6.0	859.0	19.0	544.00
856	6.0	1022.0	19.0	554.00
857	6.0	1072.6	22.0	309.00
858	6.0	1072.6	22.0	309.00
859	6.0	1236.7	19.0	498.00
860	6.0	1020.3	19.0	425.00
862	6.0	1036.0	22.0	309.00
864	6.0	1117.0	22.0	85.00
865	6.0	981.0	22.0	99.00
866	6.0	1247.0	22.0	309.00
867	6.0	1194.0	19.0	632.00
868	6.0	1053.0	19.0	658.00
869	6.0	1136.5	22.0	249.00
870	8.0	1119.0	25.0	904.00
871	6.0	1136.5	22.0	249.00
872	6.0	955.0	19.0	405.00
873	6.0	937.0	22.0	414.00
874	6.0	1123.0	22.0	309.00
875	6.0	1044.5	19.0	551.00
876	6.0	1141.3	22.0	590.00
877	6.0	1089.0	22.0	414.00
878	6.0	1228.7	22.0	309.00
879	6.0	1072.6	22.0	309.00
880	6.0	1242.0	22.0	309.00
881	6.0	1148.0	22.0	309.00
882	6.0	1036.0	22.0	404.00
883	6.0	1139.0	19.0	379.00
884	6.0	909.0	19.0	530.00
885	6.0	1105.0	22.0	309.00
886	6.0	973.6	22.0	525.00
887	6.0	1171.0	22.0	309.00
888	6.0	973.6	19.0	425.00
889	6.0	1034.0	22.0	525.00
890	6.0	1136.5	22.0	249.00
891	6.0	1230.0	19.0	650.00
892	6.0	1123.0	22.0	309.00
893	6.0	1194.0	19.0	649.00
894	6.0	890.0	19.0	379.00
895	6.0	1121.0	22.0	594.00
896	6.0	1041.5	19.0	436.00
897	6.0	1136.5	22.0	249.00

TABLE 1
SGC MANUFACTURED HOMES
EXTERIOR WALL CHARACTERISTICS

SGC Model No.	2" X ?	Net Wall Area (sq. ft.)	R-Value	Incremental Exterior Wall Cost (\$)
898	6.0	992.0	22.0	379.00
899	6.0	1157.6	19.0	503.00
900	6.0	937.0	22.0	464.00
901	6.0	1227.3	19.0	39.00
903	6.0	1037.1	19.0	446.00
904	6.0	1399.4	19.0	643.00
905	6.0	991.9	19.0	446.00
906	6.0	1145.0	22.0	309.00
907	6.0	1174.0	19.0	279.00
908	6.0	992.0	19.0	464.00
909	6.0	1038.3	22.0	212.00
911	6.0	860.0	19.0	544.00
912	6.0	1207.9	19.0	615.00
913	6.0	1244.0	22.0	1025.00
914	6.0	1123.0	22.0	581.00
915	6.0	1143.0	19.0	540.00
916	6.0	1115.0	19.0	542.00
917	6.0	1121.5	19.0	487.00
918	6.0	860.0	19.0	534.00
919	6.0	891.0	19.0	474.00
920	6.0	1005.3	22.0	538.00
921	6.0	1200.0	22.0	682.00
922	6.0	1203.0	22.0	682.00
923	6.0	1129.0	22.0	657.00
924	6.0	1068.6	22.0	309.00
925	6.0	1068.6	22.0	309.00
926	6.0	1068.6	22.0	309.00
927	6.0	1146.0	22.0	834.00
928	6.0	1196.7	22.0	309.00
929	6.0	1068.6	22.0	309.00
930	6.0	1068.6	22.0	309.00
931	6.0	1068.6	22.0	309.00
932	6.0	944.0	22.0	599.00
933	6.0	1011.0	19.0	79.00
934	6.0	1148.0	22.0	309.00
935	6.0	1169.0	22.0	309.00
936	6.0	1133.5	22.0	249.00
937	6.0	1224.0	19.0	648.00
938	6.0	1126.0	19.0	468.00
939	6.0	1001.0	19.0	570.00
940	6.0	1144.0	22.0	704.00
941	6.0	1068.6	22.0	309.00
942	6.0	1036.3	22.0	249.00
943	6.0	1196.7	22.0	309.00
944	6.0	1297.0	22.0	878.00

TABLE 1
SGC MANUFACTURED HOMES
EXTERIOR WALL CHARACTERISTICS

SGC Model No.	2" X ?	Net Wall Area (sq. ft.)	R-Value	Incremental Exterior Wall Cost (\$)
946	6.0	1172.7	22.0	309.00
947	6.0	1135.5	19.0	580.00
948	6.0	1147.0	19.0	648.00
949	6.0	1135.0	19.0	544.00
950	6.0	1127.0	19.0	656.00
951	6.0	1161.4	19.0	498.00
952	6.0	1129.5	22.0	578.00
953	6.0	1344.5	19.0	571.00
954	6.0	1116.0	19.0	544.00

TABLE 2
SGC MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Fiberglass Batt R-Value	Ceiling Area (sq ft)	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model No. 801					
.T.	.F.	52	999.0	0	800.00
.F.	.T.	38	512.0	0	300.00
** SGC Model No. 802					
.T.	.F.	38	990.0	0	370.00
.F.	.T.	38	275.0	0	105.00
** SGC Model No. 803					
.T.	.F.	38	1015.5	0	397.00
.F.	.T.	38	1008.5	0	394.00
** SGC Model No. 804					
.T.	.F.	30	1002.0	0	221.00
.F.	.T.	30	591.0	0	130.00
** SGC Model No. 805					
.T.	.F.	38	1001.0	0	370.50
.F.	.T.	38	522.0	0	193.21
** SGC Model No. 806					
.T.	.F.	49	468.0	0	184.00
.F.	.T.	38	720.0	0	269.00
** SGC Model No. 807					
.T.	.F.	49	635.0	0	197.00
.F.	.T.	38	877.0	0	272.00
** SGC Model No. 808					
.F.	.T.	38	665.4	0	244.00
.T.	.F.	38	1118.1	0	409.00
** SGC Model No. 809					
.T.	.F.	38	1288.0	0	469.00
.F.	.T.	38	502.1	0	183.00
** SGC Model No. 810					
.T.	.F.	49	640.0	0	133.00
.F.	.T.	38	1142.0	0	236.00
** SGC Model No. 811					
.T.	.F.	0	716.0	49	156.00
.F.	.T.	0	792.0	38	291.00

TABLE 2
SGC MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Fiberglass Batt R-Value	Ceiling Area (sq ft)	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model No. 812					
.T.	.F.	38	735.0	0	391.00
.F.	.T.	33	448.5	0	239.00
** SGC Model No. 813					
.T.	.F.	38	749.6	0	293.00
.F.	.T.	38	522.5	0	205.00
** SGC Model No. 814					
.T.	.F.	38	642.4	0	270.00
.F.	.T.	38	440.4	0	185.00
** SGC Model No. 815					
.T.	.F.	30	1153.3	0	253.00
.F.	.T.	30	422.2	0	92.00
** SGC Model No. 816					
.T.	.F.	38	1017.5	0	376.00
.F.	.T.	38	507.4	0	188.00
** SGC Model No. 817					
.T.	.F.	38	869.7	0	327.00
.F.	.T.	38	522.3	0	197.00
** SGC Model No. 818					
.T.	.F.	38	1245.6	0	464.00
.F.	.T.	38	501.9	0	187.00
** SGC Model No. 819					
.T.	.F.	0	684.3	49	206.00
.F.	.T.	0	622.8	38	187.00
** SGC Model No. 822					
.T.	.F.	38	1002.1	0	372.00
.F.	.T.	38	596.2	0	221.00
** SGC Model No. 823					
.T.	.F.	38	906.9	0	379.00
.F.	.T.	38	418.7	0	175.00
** SGC Model No. 824					
.T.	.F.	38	560.0	0	144.00
.F.	.T.	38	736.0	0	189.00

TABLE 2
SGC MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Fiberglass Batt R-Value	Ceiling Area (sq ft)	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model No. 825					
.T.	.F.	38	621.0	0	158.00
.F.	.T.	38	1161.0	0	296.00
** SGC Model No. 826					
.T.	.F.	38	621.0	0	118.00
.F.	.T.	38	1161.0	0	222.00
** SGC Model No. 827					
.T.	.F.	0	641.3	49	224.00
.F.	.T.	0	1128.7	38	271.00
** SGC Model No. 828					
.T.	.F.	49	635.0	0	183.00
.F.	.T.	38	877.0	0	253.00
** SGC Model No. 829					
.T.	.F.	0	740.5	49	259.00
.F.	.T.	0	552.3	38	133.00
** SGC Model No. 830					
.T.	.F.	38	642.4	0	258.00
.F.	.T.	38	577.7	0	232.00
** SGC Model No. 831					
.F.	.T.	0	1516.0	38	364.00
** SGC Model No. 832					
.T.	.F.	38	560.0	0	144.00
.F.	.T.	38	736.0	0	189.00
** SGC Model No. 833					
.T.	.F.	30	1002.1	0	238.00
.F.	.T.	30	596.2	0	142.00
** SGC Model No. 834					
.T.	.F.	0	433.8	49	152.00
.F.	.T.	0	692.5	38	167.00
** SGC Model No. 835					
.T.	.F.	0	746.0	30	206.00
.F.	.T.	0	540.0	30	149.00
** SGC Model No. 836					
.T.	.F.	0	722.0	38	337.00

TABLE 2
SGC MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Fiberglass Batt R-Value	Ceiling Area (sq ft)	Other Type R-Value	Incremental Ceiling Cost (\$)
.F.	.T.	0	564.0	38	264.00
** SGC Model No. 838					
.T.	.F.	33	473.0	0	125.00
.F.	.T.	33	1275.0	0	337.00
** SGC Model No. 839					
.T.	.F.	38	550.5	0	166.00
.F.	.T.	33	1054.0	0	319.00
** SGC Model No. 841					
.T.	.F.	38	872.7	0	330.00
.F.	.T.	38	514.3	0	194.00
** SGC Model No. 842					
.T.	.F.	22	937.0	0	133.00
.F.	.T.	22	829.0	0	117.00
** SGC Model No. 843					
.T.	.F.	33	589.0	0	104.00
.F.	.T.	33	1172.0	0	206.00
** SGC Model No. 844					
.T.	.F.	0	303.0	49	106.00
.F.	.T.	0	1264.0	38	303.00
** SGC Model No. 845					
.F.	.T.	0	1511.0	38	363.00
** SGC Model No. 847					
.T.	.F.	38	707.6	0	263.00
.F.	.T.	38	1050.5	0	390.00
** SGC Model No. 848					
.T.	.F.	49	1232.7	0	467.00
.F.	.T.	38	492.6	0	186.00
** SGC Model No. 849					
.F.	.T.	0	1786.8	38	429.00
** SGC Model No. 850					
.T.	.F.	0	676.0	30	179.00
.F.	.T.	0	818.0	30	216.00

TABLE 2
SGC MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Fiberglass Batt R-Value	Ceiling Area (sq ft)	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model No. 851					
.T.	.F.	0	427.0	33	142.00
.F.	.T.	0	640.0	33	213.00
** SGC Model No. 852					
.T.	.F.	0	648.0	49	227.00
.F.	.T.	0	540.0	38	130.00
** SGC Model No. 853					
.T.	.F.	38	560.0	0	144.00
.F.	.T.	38	736.0	0	189.00
** SGC Model No. 854					
.T.	.F.	0	673.0	33	230.00
.F.	.T.	0	500.0	33	170.00
** SGC Model No. 855					
.T.	.F.	45	735.0	0	385.00
.F.	.T.	33	449.0	0	235.00
** SGC Model No. 856					
.T.	.F.	33	711.0	0	162.00
.F.	.T.	22	690.0	0	158.00
** SGC Model No. 857					
.F.	.T.	0	1509.7	38	362.00
** SGC Model No. 858					
.F.	.T.	0	1509.7	38	362.00
** SGC Model No. 859					
.T.	.F.	38	1281.7	0	467.00
.F.	.T.	38	508.8	0	186.00
** SGC Model No. 860					
.T.	.F.	38	814.4	0	303.00
.F.	.T.	38	566.2	0	211.00
** SGC Model No. 862					
.F.	.T.	0	1393.5	38	334.00
** SGC Model No. 863					
.T.	.F.	38	621.0	0	125.00
.F.	.T.	38	1161.0	0	233.00

TABLE 2
SGC MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Fiberglass Batt R-Value	Ceiling Area (sq ft)	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model No. 864					
.T.	.F.	49	635.0	0	184.00
.F.	.T.	38	877.0	0	255.00
** SGC Model No. 865					
.T.	.F.	49	468.0	0	132.00
.F.	.T.	38	720.0	0	204.00
** SGC Model No. 866					
.T.	.F.	0	659.0	49	231.00
.F.	.T.	0	1066.0	38	256.00
** SGC Model No. 867					
.T.	.F.	33	943.0	0	316.00
.F.	.T.	22	823.0	0	110.00
** SGC Model No. 868					
.T.	.F.	49	788.0	0	532.00
.F.	.T.	33	826.0	0	306.00
** SGC Model No. 869					
.F.	.T.	0	534.0	38	128.00
.T.	.F.	0	657.0	49	230.00
** SGC Model No. 870					
.T.	.F.	49	468.0	0	146.00
.F.	.T.	38	924.0	0	289.00
** SGC Model No. 871					
.T.	.F.	0	657.0	49	230.00
.F.	.T.	0	534.0	38	128.00
** SGC Model No. 872					
.T.	.F.	38	995.1	0	372.00
.F.	.T.	38	275.2	0	103.00
** SGC Model No. 873					
.T.	.F.	0	673.0	33	204.00
.F.	.T.	0	500.0	33	151.00
** SGC Model No. 874					
.T.	.F.	0	334.4	49	117.00
.F.	.T.	0	1177.6	38	283.00

TABLE 2
SGC MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Fiberglass Batt R-Value	Ceiling Area (sq ft)	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model No. 875					
.T.	.F.	38	1017.4	0	370.00
.F.	.T.	38	507.4	0	184.00
** SGC Model No. 876					
.T.	.F.	38	1325.0	0	498.00
.F.	.T.	38	331.0	0	125.00
** SGC Model No. 877					
.T.	.F.	0	676.0	38	164.00
.F.	.T.	0	810.0	38	196.00
** SGC Model No. 878					
.F.	.T.	0	1786.8	38	429.00
** SGC Model No. 879					
.F.	.T.	0	1509.7	38	362.00
** SGC Model No. 880					
.F.	.T.	0	1773.8	38	426.00
** SGC Model No. 881					
.F.	.T.	0	1512.0	38	363.00
** SGC Model No. 882					
.T.	.F.	33	664.0	0	268.00
.F.	.T.	33	515.0	0	207.00
** SGC Model No. 883					
.T.	.F.	33	995.0	0	377.00
.F.	.T.	33	604.0	0	229.00
** SGC Model No. 884					
.T.	.F.	45	745.0	0	213.00
.F.	.T.	33	550.0	0	488.00
** SGC Model No. 885					
.T.	.F.	0	303.0	49	106.00
.F.	.T.	0	1264.0	38	303.00
** SGC Model No. 886					
.T.	.F.	38	886.7	0	325.00
.F.	.T.	38	520.9	0	190.00

TABLE 2
SGC MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Fiberglass Batt R-Value	Ceiling Area (sq ft)	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model No. 887					
.F.	.T.	0	1505.0	38	361.00
** SGC Model No. 888					
.T.	.F.	30	1330.3	0	300.00
** SGC Model No. 889					
.T.	.F.	38	1151.3	0	425.00
.F.	.T.	38	240.8	0	89.00
** SGC Model No. 890					
.T.	.F.	0	657.0	49	230.00
.F.	.T.	0	534.0	38	128.00
** SGC Model No. 891					
.T.	.F.	22	953.0	0	134.00
.F.	.T.	22	828.0	0	116.00
** SGC Model No. 892					
.T.	.F.	0	334.4	49	117.00
.F.	.T.	0	1177.6	38	283.00
** SGC Model No. 893					
.T.	.F.	22	853.0	0	124.00
.F.	.T.	22	933.0	0	136.00
** SGC Model No. 894					
.T.	.F.	42	711.0	0	258.00
.F.	.T.	35	462.0	0	167.00
** SGC Model No. 895					
.T.	.F.	49	858.0	0	311.00
.F.	.T.	38	742.0	0	269.00
** SGC Model No. 896					
.T.	.F.	38	924.4	0	343.00
.F.	.T.	38	516.4	0	191.00
** SGC Model No. 897					
.T.	.F.	0	657.0	49	230.00
.F.	.T.	0	534.0	38	128.00
** SGC Model No. 898					
.T.	.F.	33	664.0	0	279.00
.F.	.T.	33	515.0	0	216.00

TABLE 2
SGC MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Fiberglass Batt R-Value	Ceiling Area (sq ft)	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model No. 900					
.T.	.F.	0	673.0	33	244.00
.F.	.T.	0	500.0	33	181.00
** SGC Model No. 901					
.T.	.F.	49	777.0	0	228.00
.F.	.T.	38	1005.0	0	296.00
** SGC Model No. 902					
.T.	.F.	49	621.0	0	144.00
.F.	.T.	38	1161.0	0	269.00
** SGC Model No. 903					
.T.	.F.	38	976.7	0	365.00
.F.	.T.	38	507.4	0	189.00
** SGC Model No. 904					
.T.	.F.	38	1001.4	0	367.00
.F.	.T.	38	1154.7	0	424.00
** SGC Model No. 906					
.F.	.T.	0	1512.0	38	363.00
** SGC Model No. 907					
.F.	.T.	0	1742.0	38	270.00
** SGC Model No. 908					
.T.	.F.	45	684.0	0	301.00
.F.	.T.	33	610.0	0	269.00
** SGC Model No. 909					
.T.	.F.	0	521.6	49	183.00
.F.	.T.	0	974.0	38	234.00
** SGC Model No. 910					
.T.	.F.	38	561.0	0	144.00
.F.	.T.	33	1183.0	0	304.00
** SGC Model No. 911					
.T.	.F.	45	738.0	0	385.00
.F.	.T.	33	444.5	0	235.00
** SGC Model No. 912					
.T.	.F.	30	1273.7	0	272.00

TABLE 2
SGC MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Fiberglass Batt R-Value	Ceiling Area (sq ft)	Other Type R-Value	Incremental Ceiling Cost (\$)
.F.	.T.	30	508.8	0	108.00
** SGC Model No. 913					
.T.	.F.	49	441.0	0	118.00
.F.	.T.	38	1390.0	0	375.00
** SGC Model No. 914					
.T.	.F.	49	353.0	0	65.00
.F.	.T.	38	1168.0	0	214.00
** SGC Model No. 915					
.T.	.F.	22	771.0	0	109.00
.F.	.T.	22	795.0	0	113.00
** SGC Model No. 916					
.T.	.F.	33	761.0	0	258.00
.F.	.T.	33	785.0	0	267.00
** SGC Model No. 917					
.T.	.F.	49	1300.6	0	499.00
.F.	.T.	38	347.4	0	134.00
** SGC Model No. 918					
.T.	.F.	33	738.0	0	251.00
.F.	.T.	33	454.0	0	155.00
** SGC Model No. 919					
.T.	.F.	33	684.0	0	234.00
.F.	.T.	33	392.0	0	134.00
** SGC Model No. 920					
.T.	.F.	38	700.9	0	317.00
.F.	.T.	38	480.8	0	217.00
** SGC Model No. 921					
.T.	.F.	49	927.0	0	172.00
.F.	.T.	38	833.0	0	155.00
** SGC Model No. 922					
.T.	.F.	49	656.0	0	121.00
.F.	.T.	38	1104.0	0	206.00
** SGC Model No. 923					
.T.	.F.	49	342.0	0	71.00
.F.	.T.	38	1175.0	0	245.00

TABLE 2
SGC MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Fiberglass Batt R-Value	Ceiling Area (sq ft)	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model No. 924					
.F.	.T.	0	1509.7	38	362.00
** SGC Model No. 925					
.F.	.T.	0	1509.7	38	362.00
** SGC Model No. 926					
.F.	.T.	0	1509.7	38	362.00
** SGC Model No. 927					
.T.	.F.	49	792.0	0	180.00
.F.	.T.	38	970.0	0	221.00
** SGC Model No. 928					
.F.	.T.	0	1779.8	38	427.00
** SGC Model No. 929					
.F.	.T.	0	1509.7	38	362.00
** SGC Model No. 930					
.F.	.T.	0	1509.7	38	362.00
** SGC Model No. 931					
.F.	.T.	0	1509.7	38	362.00
** SGC Model No. 932					
.T.	.F.	49	241.0	0	58.00
.F.	.T.	38	939.0	0	230.00
** SGC Model No. 933					
.T.	.F.	38	560.0	0	144.00
.F.	.T.	38	736.0	0	189.00
** SGC Model No. 934					
.F.	.T.	0	1512.0	38	363.00
** SGC Model No. 935					
.F.	.T.	0	1726.0	38	414.00
** SGC Model No. 936					
.T.	.F.	0	657.0	49	230.00
.F.	.T.	0	525.0	38	126.00

TABLE 2
SGC MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Fiberglass Batt R-Value	Ceiling Area (sq ft)	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model No. 937					
.T.	.F.	49	931.0	0	447.00
.F.	.T.	33	855.0	0	411.00
** SGC Model No. 938					
.T.	.F.	30	1020.4	0	220.00
.F.	.T.	30	578.2	0	125.00
** SGC Model No. 939					
.T.	.F.	33	721.0	0	187.00
.F.	.T.	22	687.0	0	179.00
** SGC Model No. 940					
.T.	.F.	49	848.0	0	413.00
.F.	.T.	33	917.0	0	447.00
** SGC Model No. 941					
.F.	.T.	0	1509.7	38	362.00
** SGC Model No. 942					
.F.	.T.	0	1296.0	38	311.00
** SGC Model No. 943					
.F.	.T.	0	1786.8	38	429.00
** SGC Model No. 944					
.T.	.F.	49	881.0	0	185.00
.F.	.T.	38	1135.0	0	238.00
** SGC Model No. 946					
.F.	.T.	0	1777.3	38	427.00
** SGC Model No. 947					
.T.	.F.	38	643.0	0	270.00
.F.	.T.	33	1064.0	0	446.00
** SGC Model No. 948					
.T.	.F.	33	853.0	0	216.00
.F.	.T.	22	917.0	0	232.00
** SGC Model No. 949					
.T.	.F.	49	644.0	0	306.00
.F.	.T.	33	916.0	0	436.00

TABLE 2
SGC MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Fiberglass Batt R-Value	Ceiling Area (sq ft)	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model No. 950					
.T.	.F.	38	788.0	0	248.00
.F.	.T.	22	836.0	0	264.00
** SGC Model No. 951					
.T.	.F.	30	1398.1	0	296.00
.F.	.T.	30	396.5	0	84.00
** SGC Model No. 952					
.T.	.F.	38	1253.7	0	475.00
.F.	.T.	38	260.2	0	99.00
** SGC Model No. 953					
.T.	.F.	38	1122.0	0	424.00
.F.	.T.	38	971.3	0	367.00
** SGC Model No. 954					
.T.	.F.	33	755.0	0	397.00
.F.	.T.	22	794.0	0	417.00

TABLE 3
SGC MANUFACTURED HOMES
FLOOR CHARACTERISTICS

SGC Model Number	Joist Floor Area (sq ft)	Joist R-Value	Underbelly Floor Area (sq ft)	Underbelly R-Value	Incremental Floor Cost (\$)
801	1511.0	19	1511.0	11	720.00
802	1263.5	22	1263.5	11	267.00
803	2026.0	25	2026.0	11	1086.10
804	1590.0	19	1590.0	11	603.26
805	1529.0	19	1529.0	11	564.41
806	1188.0	22	1188.0	11	238.00
807	1512.0	22	1512.0	11	296.00
808	1788.0	25	1788.0	11	960.00
809	1768.5	19	1768.5	11	700.00
810	1782.0	22	1782.0	11	345.00
811	1498.0	22	1498.0	22	768.00
812	1191.0	19	1191.0	11	488.00
813	1285.0	25	1285.0	11	684.00
814	1078.0	25	1078.0	11	670.00
815	1575.4	19	1575.4	11	636.00
816	1522.0	19	1522.0	11	604.00
817	1397.0	19	1397.0	11	562.00
818	1744.5	22	1744.5	11	700.00
819	1284.0	22	1284.0	22	640.00
820	1388.8	19	1338.8	11	551.00
822	1595.0	19	1595.0	11	636.00
823	1338.6	25	1338.6	11	853.00
824	1296.0	22	1296.0	11	257.00
825	1782.0	22	1782.0	11	345.00
826	1782.0	22	1782.0	11	345.00
827	1765.5	22	1765.5	22	848.00
828	1512.0	22	1512.0	11	296.00
829	1284.0	22	1284.0	22	616.00
830	1225.0	22	1225.0	11	610.00
831	1498.0	22	1498.0	22	719.00
832	1296.0	22	1296.0	11	257.00
833	1595.0	19	1595.0	11	700.00
834	1128.0	22	1128.0	22	542.00
835	1286.0	22	1286.0	14	601.00
836	1286.0	22	1286.0	14	601.00
838	1773.0	19	1773.0	11	594.00
839	1624.0	19	1624.0	11	545.00
840	1326.0	11	1326.0	11	345.00
841	1392.0	25	1392.0	11	771.00
842	1786.0	19	1786.0	7	500.00
843	1781.0	19	1781.0	11	550.00
844	1546.5	22	1546.5	22	742.00
845	1493.0	22	1493.0	22	717.00
847	1745.5	25	1745.5	11	1106.00

TABLE 3
SGC MANUFACTURED HOMES
FLOOR CHARACTERISTICS

SGC Model Number	Joist Floor Area (sq ft)	Joist R-Value	Underbelly Floor Area (sq ft)	Underbelly R-Value	Incremental Floor Cost (\$)
848	1712.0	19	1712.0	11	700.00
849	1760.2	22	1760.2	22	845.00
850	1494.0	22	1494.0	14	290.00
851	1067.0	22	1067.0	14	390.00
852	1173.0	22	1173.0	22	563.00
853	1296.0	22	1296.0	11	257.00
854	1173.0	22	1173.0	14	435.00
855	1191.0	19	1191.0	11	498.00
856	1408.0	19	1408.0	11	490.00
857	1493.0	22	1493.0	22	890.00
858	1493.0	22	1493.0	22	890.00
859	1776.4	22	1776.4	11	1513.00
860	1388.7	22	1388.7	11	641.00
861	1781.0	19	1781.0	11	640.00
862	1387.0	22	1387.0	22	890.00
863	1782.0	22	1782.0	11	345.00
864	1512.0	22	1512.0	11	296.00
865	1188.0	22	1188.0	11	238.00
866	1707.0	22	1707.0	22	890.00
867	1786.0	19	1786.0	7	623.00
868	1629.0	19	1629.0	11	682.00
869	1173.0	22	1173.0	22	645.00
870	1392.0	22	1392.0	11	455.00
871	1173.0	22	1173.0	22	645.00
872	1268.8	19	1268.8	11	509.00
873	1173.0	22	1173.0	14	390.00
874	1493.0	22	1493.0	22	890.00
875	1522.0	22	1522.0	11	691.00
876	1649.6	22	1649.6	22	777.00
877	1494.0	22	1494.0	14	390.00
878	1760.2	22	1760.2	22	890.00
879	1494.0	22	1494.0	22	890.00
880	1760.2	22	1760.2	22	890.00
881	1494.0	22	1494.0	22	890.00
882	1387.0	11	1387.0	11	450.00
883	1600.0	11	1600.0	11	432.00
884	1305.0	19	1305.0	11	548.00
885	1546.5	22	1546.5	22	890.00
886	1404.4	22	1404.4	22	641.00
887	1494.0	22	1494.0	22	890.00
888	1330.3	22	1330.3	11	641.00
889	1390.0	25	1390.0	11	872.00
890	1173.0	22	1173.0	22	645.00
891	1791.0	19	1791.0	7	623.00
892	1493.0	22	1493.0	22	890.00

TABLE 3
SGC MANUFACTURED HOMES
FLOOR CHARACTERISTICS

SGC Model Number	Joist Floor Area (sq ft)	Joist R-Value	Underbelly Floor Area (sq ft)	Underbelly R-Value	Incremental Floor Cost (\$)
893	1786.0	19	1786.0	7	623.00
894	1173.0	11	1173.0	11	352.00
895	1600.0	22	1600.0	11	505.00
896	1438.0	22	1438.0	22	779.00
897	1173.0	22	1173.0	22	645.00
898	1387.0	11	1387.0	11	400.00
899	1724.7	11	1724.7	11	413.00
900	1173.0	22	1173.0	14	390.00
901	1782.0	22	1782.0	11	345.00
902	1782.0	22	1782.0	11	345.00
903	1517.3	19	1517.3	11	593.00
904	2149.8	22	2149.8	22	987.00
905	1521.5	11	1521.5	11	345.00
906	1494.0	22	1494.0	22	890.00
907	1742.0	11	1742.0	11	390.00
908	1299.0	19	1299.0	11	550.00
909	1493.0	22	1493.0	22	717.00
910	1764.0	19	1764.0	11	620.00
911	1192.0	19	1192.0	11	498.00
912	1776.4	11	1776.4	11	407.00
913	1831.0	22	1831.0	11	516.00
914	1521.0	22	1521.0	11	292.00
915	1566.0	19	1566.0	7	540.00
916	1566.0	19	1566.0	11	650.00
917	1671.3	22	1671.3	11	789.00
918	1192.0	19	1192.0	11	500.00
919	1084.0	19	1084.0	11	456.00
920	1194.8	22	1194.8	22	1000.00
921	1760.0	22	1760.0	11	343.00
922	1760.0	22	1760.0	11	343.00
923	1521.0	22	1521.0	11	331.00
924	1494.0	22	1494.0	22	890.00
925	1493.0	22	1493.0	22	890.00
926	1493.0	22	1493.0	22	890.00
927	1756.0	22	1756.0	11	420.00
928	1760.2	22	1760.2	22	890.00
929	1493.0	22	1493.0	22	890.00
930	1494.0	22	1494.0	22	890.00
931	1493.0	22	1493.0	22	890.00
932	1169.0	22	1169.0	11	301.00
933	1296.0	22	1296.0	11	257.00
934	1494.0	22	1494.0	22	890.00
935	1707.0	22	1707.0	22	890.00
936	1173.0	22	1173.0	22	645.00
937	1786.0	19	1786.0	22	1118.00

TABLE 3
SGC MANUFACTURED HOMES
FLOOR CHARACTERISTICS

SGC Model Number	Joist Floor Area (sq ft)	Joist R-Value	Underbelly Floor Area (sq ft)	Underbelly R-Value	Incremental Floor Cost (\$)
938	1603.1	19	1603.1	11	636.00
939	1408.0	19	1408.0	7	485.00
940	1775.0	19	1775.0	22	1120.00
941	1493.0	22	1493.0	22	890.00
942	1284.0	22	1284.0	22	645.00
943	1760.2	22	1760.2	22	890.00
944	2013.0	22	2013.0	11	442.00
946	1760.2	22	1760.2	22	890.00
947	1726.0	19	1726.0	7	600.00
948	1770.0	19	1770.0	7	623.00
949	1570.0	19	1570.0	22	980.00
950	1624.0	19	1624.0	11	682.00
951	1791.7	11	1791.7	11	407.00
952	1506.1	22	1506.1	22	1073.00
953	2088.1	19	2088.1	11	848.00
954	1569.0	19	1569.0	11	656.00

TABLE 4
SGC MANUFACTURED HOMES
DOOR CHARACTERISTICS

SGC Model No.	With Window (T/F)	With Therm. Break (T/F)	With Storm Door (T/F)	Door Area (sq ft)	U-Value	Incremental Door Cost (\$)
801	.F.	.T.	.T.	35.0	0.18	280.00
802	.F.	.T.	.F.	40.0	0.17	28.50
803	.F.	.T.	.F.	40.0	0.17	28.50
804	.F.	.T.	.F.	40.0	0.17	28.50
805	.F.	.T.	.F.	40.0	0.17	28.50
806	.F.	.T.	.F.	21.5	0.22	165.00
806	.T.	.T.	.F.	21.5	0.25	165.00
807	.F.	.T.	.F.	21.5	0.22	165.00
807	.T.	.T.	.F.	21.5	0.25	165.00
808	.F.	.T.	.F.	40.0	0.17	28.50
809	.F.	.T.	.F.	40.0	0.17	28.50
810	.F.	.T.	.F.	21.5	0.22	20.00
810	.T.	.T.	.F.	21.5	0.25	170.00
811	.T.	.T.	.F.	17.0	0.25	220.00
812	.F.	.T.	.T.	35.0	0.18	350.00
813	.F.	.T.	.F.	60.0	0.19	42.75
814	.F.	.T.	.F.	40.0	0.17	28.50
815	.F.	.T.	.F.	40.0	0.17	28.50
816	.F.	.T.	.F.	40.0	0.17	28.50
817	.F.	.T.	.F.	40.0	0.17	28.50
818	.F.	.T.	.F.	40.0	0.19	28.50
819	.F.	.T.	.F.	34.0	0.19	266.00
820	.F.	.T.	.F.	40.0	0.17	28.50
822	.F.	.T.	.F.	40.0	0.17	28.50
823	.F.	.T.	.F.	40.0	0.17	28.50
824	.T.	.T.	.F.	21.5	0.25	77.00
824	.F.	.T.	.F.	21.5	0.22	133.00
825	.F.	.T.	.F.	21.5	0.22	70.00
825	.T.	.T.	.F.	21.5	0.25	37.00
826	.T.	.T.	.F.	21.5	0.22	57.00
826	.T.	.T.	.F.	21.5	0.25	79.00
827	.F.	.T.	.F.	17.0	0.19	133.00
828	.F.	.T.	.F.	21.5	0.22	59.00
828	.T.	.T.	.F.	21.5	0.25	37.00
829	.F.	.T.	.F.	34.0	0.19	266.00
831	.F.	.T.	.F.	34.0	0.19	133.00
832	.T.	.T.	.F.	21.5	0.25	77.00
832	.F.	.T.	.F.	21.5	0.22	70.00
834	.F.	.T.	.F.	17.0	0.19	133.00
835	.F.	.T.	.F.	34.0	0.19	350.00
836	.F.	.T.	.F.	34.0	0.19	350.00
838	.F.	.T.	.T.	35.0	0.18	308.00
839	.F.	.T.	.T.	17.5	0.18	140.00
842	.F.	.T.	.T.	35.0	0.18	308.00

TABLE 4
SGC MANUFACTURED HOMES
DOOR CHARACTERISTICS

SGC Model No.	With Window (T/F)	With Therm. Break (T/F)	With Storm Door (T/F)	Door Area (sq ft)	U-Value	Incremental Door Cost (\$)
843	.F.	.T.	.T.	35.0	0.18	0.00
844	.F.	.T.	.F.	34.0	0.19	266.00
845	.F.	.T.	.F.	34.0	0.19	133.00
849	.F.	.T.	.F.	34.0	0.19	133.00
850	.F.	.T.	.F.	34.0	0.19	350.00
851	.F.	.T.	.F.	34.0	0.19	350.00
852	.F.	.T.	.F.	34.0	0.19	266.00
853	.F.	.T.	.T.	21.5	0.25	151.00
853	.F.	.T.	.F.	21.5	0.22	78.00
854	.F.	.T.	.F.	34.0	0.19	350.00
855	.F.	.T.	.T.	35.0	0.18	408.00
856	.F.	.T.	.T.	35.0	0.18	408.00
857	.F.	.T.	.F.	34.0	0.19	133.00
858	.F.	.T.	.F.	34.0	0.19	133.00
861	.F.	.T.	.T.	35.0	0.18	0.00
862	.F.	.T.	.F.	34.0	0.19	133.00
863	.T.	.T.	.F.	21.5	0.25	90.00
863	.F.	.T.	.F.	21.5	0.22	10.00
864	.F.	.T.	.F.	21.5	0.22	79.00
864	.F.	.T.	.F.	21.5	0.22	85.00
865	.F.	.T.	.F.	21.5	0.22	85.00
865	.F.	.T.	.F.	21.5	0.22	79.00
866	.F.	.T.	.F.	34.0	0.19	133.00
867	.F.	.T.	.T.	35.0	0.18	408.00
868	.F.	.T.	.T.	35.0	0.18	426.00
869	.F.	.T.	.F.	34.0	0.19	266.00
871	.F.	.T.	.F.	34.0	0.19	266.00
873	.F.	.T.	.F.	34.0	0.19	350.00
874	.F.	.T.	.F.	34.0	0.19	266.00
877	.F.	.T.	.F.	34.0	0.19	350.00
878	.F.	.T.	.F.	34.0	0.19	133.00
879	.F.	.T.	.F.	34.0	0.19	133.00
880	.F.	.T.	.F.	34.0	0.19	133.00
881	.F.	.T.	.F.	34.0	0.19	266.00
882	.F.	.T.	.T.	40.0	0.18	210.00
883	.F.	.T.	.F.	44.0	0.19	210.00
884	.F.	.T.	.T.	35.0	0.18	428.00
885	.F.	.T.	.F.	34.0	0.19	266.00
887	.F.	.T.	.F.	34.0	0.19	266.00
890	.F.	.T.	.F.	34.0	0.19	266.00
891	.F.	.T.	.T.	35.0	0.18	428.00
892	.F.	.T.	.F.	34.0	0.19	266.00
893	.F.	.T.	.T.	35.0	0.18	430.00
894	.F.	.T.	.T.	40.0	0.18	210.00
897	.F.	.T.	.F.	34.0	0.19	266.00

TABLE 4
SGC MANUFACTURED HOMES
DOOR CHARACTERISTICS

SGC Model No.	With Window (T/F)	With Therm. Break (T/F)	With Storm Door (T/F)	Door Area (sq ft)	U-Value	Incremental Door Cost (\$)
898	.F.	.T.	.F.	40.0	0.19	210.00
900	.F.	.T.	.F.	34.0	0.19	390.00
901	.F.	.T.	.F.	43.0	0.22	163.00
906	.F.	.T.	.F.	34.0	0.19	266.00
907	.F.	.T.	.F.	38.0	0.18	0.00
908	.F.	.T.	.T.	17.5	0.18	170.00
909	.F.	.T.	.F.	34.0	0.19	266.00
910	.F.	.T.	.T.	35.0	0.18	0.00
911	.F.	.T.	.T.	35.0	0.18	408.00
913	.T.	.T.	.F.	20.0	0.25	75.00
915	.F.	.T.	.T.	17.5	0.18	164.00
916	.F.	.T.	.T.	17.5	0.18	164.00
918	.F.	.T.	.T.	35.0	0.18	428.00
919	.F.	.T.	.T.	35.0	0.18	428.00
921	.T.	.T.	.F.	20.0	0.25	75.00
924	.F.	.T.	.F.	34.0	0.19	133.00
925	.F.	.T.	.F.	34.0	0.19	133.00
926	.F.	.T.	.F.	34.0	0.19	133.00
928	.F.	.T.	.F.	34.0	0.19	133.00
929	.F.	.T.	.F.	34.0	0.19	133.00
930	.F.	.T.	.F.	34.0	0.19	133.00
931	.F.	.T.	.F.	34.0	0.19	133.00
933	.F.	.T.	.T.	21.5	0.25	151.00
933	.F.	.T.	.F.	21.5	0.22	69.00
934	.F.	.T.	.F.	34.0	0.19	266.00
935	.F.	.T.	.F.	34.0	0.19	266.00
936	.F.	.T.	.F.	34.0	0.19	266.00
937	.F.	.T.	.T.	35.0	0.18	428.00
939	.F.	.T.	.T.	35.0	0.18	428.00
940	.F.	.T.	.T.	35.0	0.18	428.00
941	.F.	.T.	.F.	34.0	0.19	133.00
943	.F.	.T.	.F.	17.0	0.19	133.00
946	.F.	.T.	.F.	17.0	0.19	133.00
947	.F.	.T.	.T.	17.5	0.18	166.00
948	.F.	.T.	.T.	35.0	0.18	428.00
949	.F.	.T.	.T.	35.0	0.18	166.00
950	.F.	.T.	.T.	35.0	0.18	450.00
954	.F.	.T.	.T.	17.5	0.18	166.00

TABLE 5
SGC MANUFACTURED HOMES
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	No. of Windows	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
** SGC Model No. 801								
.T.	.F.	.F.	.T.	126.0	10	2	0.53	300.00
** SGC Model No. 802								
.T.	.F.	.F.	.F.	158.0	12	2	0.45	1008.00
** SGC Model No. 803								
.T.	.F.	.F.	.F.	191.0	18	2	0.45	1325.87
.F.	.T.	.F.	.F.	40.9	1	2	0.52	0.00
** SGC Model No. 804								
.T.	.F.	.F.	.F.	142.0	11	2	0.45	851.68
** SGC Model No. 805								
.T.	.F.	.F.	.F.	124.0	10	2	0.45	785.13
.F.	.F.	.T.	.F.	8.0	1	2	0.70	0.00
** SGC Model No. 806								
.T.	.F.	.F.	.F.	125.0	8	2	0.44	954.00
** SGC Model No. 807								
.T.	.F.	.F.	.F.	163.0	11	2	0.44	1300.00
** SGC Model No. 808								
.T.	.F.	.F.	.F.	127.0	9	2	0.45	483.00
.F.	.T.	.F.	.F.	40.0	1	2	0.52	152.00
.F.	.F.	.T.	.F.	8.0	1	2	0.70	0.00
** SGC Model No. 809								
.T.	.F.	.F.	.F.	201.0	16	2	0.45	1509.00
** SGC Model No. 810								
.T.	.F.	.F.	.F.	178.0	10	2	0.44	1185.00
** SGC Model No. 811								
.T.	.F.	.F.	.F.	152.0	11	2	0.45	944.00
** SGC Model No. 812								
.T.	.F.	.F.	.F.	136.0	10	2	0.75	0.00
.F.	.F.	.T.	.F.	7.5	1	2	0.91	0.00
** SGC Model No. 813								
.T.	.F.	.F.	.F.	130.0	9	2	0.45	866.00
.F.	.F.	.T.	.F.	16.0	2	2	0.70	0.00

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TABLE 5
SGC MANUFACTURED HOMES
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	No. of Windows	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
** SGC Model No. 814								
.T.	.F.	.F.	.F.	117.0	10	2	0.45	757.00
.F.	.F.	.T.	.F.	8.0	1	2	0.70	0.00
** SGC Model No. 815								
.T.	.F.	.F.	.F.	148.0	10	2	0.45	703.00
** SGC Model No. 816								
.T.	.F.	.F.	.F.	135.0	9	2	0.45	727.00
** SGC Model No. 817								
.T.	.F.	.F.	.F.	155.0	12	2	0.45	1003.00
.F.	.F.	.T.	.F.	8.0	1	2	0.70	0.00
** SGC Model No. 818								
.T.	.F.	.F.	.F.	171.0	11	2	0.45	1084.00
** SGC Model No. 819								
.T.	.F.	.F.	.F.	162.4	10	2	0.45	898.00
.F.	.F.	.T.	.F.	9.5	1	2	0.70	0.00
** SGC Model No. 820								
.T.	.F.	.F.	.F.	119.0	9	2	0.45	0.00
** SGC Model No. 822								
.T.	.F.	.F.	.F.	175.0	14	2	0.45	1090.00
** SGC Model No. 823								
.T.	.F.	.F.	.F.	129.5	11	2	0.45	648.00
.F.	.T.	.F.	.F.	40.9	1	2	0.52	205.00
.F.	.F.	.T.	.F.	16.0	1	2	0.70	0.00
** SGC Model No. 824								
.T.	.F.	.F.	.F.	109.0	8	2	0.44	915.00
** SGC Model No. 825								
.T.	.F.	.F.	.F.	174.5	10	2	0.44	1443.00
** SGC Model No. 826								
.T.	.F.	.F.	.F.	209.0	13	2	0.44	1641.00
** SGC Model No. 827								
.T.	.F.	.F.	.F.	220.0	14	2	0.45	1098.00

TABLE 5
SGC MANUFACTURED HOMES
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	No. of Windows	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
** SGC Model No. 828								
.T.	.F.	.F.	.F.	159.0	11	2	0.44	1322.00
** SGC Model No. 829								
.T.	.F.	.F.	.F.	104.5	8	2	0.45	911.00
** SGC Model No. 830								
.T.	.F.	.F.	.F.	145.0	12	2	0.45	959.00
.F.	.F.	.T.	.F.	8.0	1	2	0.70	0.00
** SGC Model No. 831								
.T.	.F.	.F.	.F.	144.0	11	2	0.45	1126.00
** SGC Model No. 832								
.T.	.F.	.F.	.F.	109.0	8	2	0.44	915.00
** SGC Model No. 833								
.T.	.F.	.F.	.F.	159.0	12	2	0.45	1078.00
** SGC Model No. 834								
.T.	.F.	.F.	.F.	124.0	9	2	0.45	1113.00
.F.	.F.	.T.	.F.	7.0	1	2	0.70	200.00
** SGC Model No. 835								
.T.	.F.	.F.	.T.	101.0	8	2	0.53	440.00
** SGC Model No. 836								
.T.	.F.	.F.	.T.	126.0	9	2	0.53	440.00
** SGC Model No. 838								
.T.	.F.	.F.	.F.	215.0	17	2	0.75	100.00
** SGC Model No. 840								
.T.	.F.	.F.	.F.	144.0	8	2	0.45	877.00
.F.	.F.	.T.	.F.	16.0	2	2	0.70	0.00
** SGC Model No. 841								
.T.	.F.	.F.	.F.	138.0	11	2	0.45	1002.00
.F.	.F.	.T.	.F.	8.0	1	2	0.70	0.00
** SGC Model No. 842								
.T.	.F.	.F.	.F.	136.0	11	2	0.75	100.00
** SGC Model No. 844								
.T.	.F.	.F.	.F.	197.0	14	2	0.45	1900.00

TABLE 5
SGC MANUFACTURED HOMES
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	No. of Windows	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
** SGC Model No. 845								
.T.	.F.	.F.	.F.	150.0	11	2	0.45	1317.00
** SGC Model No. 847								
.T.	.F.	.F.	.F.	77.0	5	2	0.45	0.00
.T.	.F.	.F.	.F.	82.0	4	2	0.52	1215.00
.T.	.F.	.F.	.F.	41.0	1	2	0.56	0.00
** SGC Model No. 848								
.T.	.F.	.F.	.F.	171.0	14	2	0.45	1170.00
** SGC Model No. 849								
.T.	.F.	.F.	.F.	176.1	14	2	0.45	1425.00
** SGC Model No. 850								
.T.	.F.	.F.	.T.	133.0	12	2	0.53	440.00
** SGC Model No. 851								
.T.	.F.	.F.	.T.	90.1	8	2	0.53	440.00
** SGC Model No. 852								
.T.	.F.	.F.	.F.	105.0	8	2	0.45	1160.00
** SGC Model No. 853								
.T.	.F.	.F.	.F.	109.0	8	2	0.44	915.00
** SGC Model No. 854								
.T.	.F.	.F.	.T.	106.8	10	2	0.53	440.00
** SGC Model No. 855								
.T.	.F.	.F.	.T.	104.5	9	2	0.53	332.00
** SGC Model No. 856								
.T.	.F.	.F.	.F.	146.0	11	2	0.75	100.00
** SGC Model No. 857								
.T.	.F.	.F.	.F.	137.0	10	2	0.45	1286.00
** SGC Model No. 858								
.T.	.F.	.F.	.F.	137.0	10	2	0.45	1286.00
** SGC Model No. 859								
.T.	.F.	.F.	.F.	173.5	13	2	0.45	1065.00

TABLE 5
SGC MANUFACTURED HOMES
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	No. of Windows	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
** SGC Model No. 860								
.T.	.F.	.F.	.F.	140.0	12	2	0.45	734.00
.F.	.F.	.T.	.F.	16.0	2	2	0.70	0.00
** SGC Model No. 862								
.T.	.F.	.F.	.F.	163.8	12	2	0.45	1314.00
.F.	.F.	.T.	.F.	14.0	2	2	0.70	0.00
** SGC Model No. 863								
.T.	.F.	.F.	.F.	151.0	10	2	0.44	1185.00
** SGC Model No. 864								
.T.	.F.	.F.	.F.	164.0	11	2	0.44	1321.00
** SGC Model No. 865								
.T.	.F.	.F.	.F.	119.0	7	2	0.44	1078.00
** SGC Model No. 866								
.T.	.F.	.F.	.F.	186.0	13	2	0.45	1161.00
** SGC Model No. 867								
.T.	.F.	.F.	.F.	171.0	17	2	0.75	100.00
** SGC Model No. 868								
.T.	.F.	.F.	.F.	222.0	15	2	0.75	100.00
** SGC Model No. 869								
.T.	.F.	.F.	.F.	104.5	8	2	0.45	1212.00
** SGC Model No. 870								
.T.	.F.	.F.	.F.	131.0	10	2	0.44	2095.00
** SGC Model No. 871								
.T.	.F.	.F.	.F.	104.5	8	2	0.45	1212.00
** SGC Model No. 872								
.T.	.F.	.F.	.F.	142.0	11	2	0.45	635.00
** SGC Model No. 873								
.T.	.F.	.F.	.T.	115.2	11	2	0.53	440.00
** SGC Model No. 874								
.T.	.F.	.F.	.F.	190.6	13	2	0.45	1115.00

TABLE 5
SGC MANUFACTURED HOMES
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	No. of Windows	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
** SGC Model No. 875								
.T.	.F.	.F.	.F.	183.0	12	2	0.45	1091.00
** SGC Model No. 876								
.T.	.F.	.F.	.F.	186.3	12	2	0.45	1615.00
** SGC Model No. 877								
.T.	.F.	.F.	.T.	143.7	12	2	0.53	440.00
** SGC Model No. 878								
.T.	.F.	.F.	.F.	180.1	12	2	0.45	1219.00
** SGC Model No. 879								
.T.	.F.	.F.	.F.	137.0	10	2	0.45	1286.00
** SGC Model No. 880								
.T.	.F.	.F.	.F.	167.0	10	2	0.45	1222.00
.F.	.F.	.T.	.F.	13.0	1	2	0.70	0.00
** SGC Model No. 881								
.T.	.F.	.F.	.F.	165.0	13	2	0.45	1152.00
** SGC Model No. 882								
.T.	.F.	.F.	.T.	104.0	8	2	0.53	475.00
** SGC Model No. 883								
.T.	.F.	.F.	.T.	117.0	9	2	0.53	535.00
** SGC Model No. 884								
.T.	.F.	.F.	.T.	111.0	10	2	0.53	536.00
** SGC Model No. 885								
.T.	.F.	.F.	.F.	161.0	11	2	0.45	1106.00
** SGC Model No. 886								
.T.	.F.	.F.	.F.	144.0	9	2	0.39	985.00
.F.	.T.	.F.	.F.	41.0	1	2	0.39	0.00
** SGC Model No. 887								
.T.	.F.	.F.	.F.	142.0	10	2	0.45	1154.00
** SGC Model No. 888								
.T.	.F.	.F.	.F.	138.0	11	2	0.45	840.00

TABLE 5
SGC MANUFACTURED HOMES
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	No. of Windows	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
** SGC Model No. 889								
.T.	.F.	.F.	.F.	146.0	9	2	0.45	823.00
** SGC Model No. 890								
.T.	.F.	.F.	.F.	104.5	8	2	0.45	1212.00
** SGC Model No. 891								
.T.	.F.	.F.	.F.	135.0	11	2	0.75	100.00
** SGC Model No. 892								
.T.	.F.	.F.	.F.	190.6	13	2	0.45	1115.00
** SGC Model No. 893								
.T.	.F.	.F.	.F.	171.0	17	2	0.75	100.00
** SGC Model No. 894								
.T.	.F.	.F.	.T.	130.0	9	2	0.53	600.00
** SGC Model No. 895								
.T.	.F.	.F.	.F.	164.0	11	2	0.44	1715.00
** SGC Model No. 896								
.T.	.F.	.F.	.F.	144.0	12	2	0.39	974.00
** SGC Model No. 897								
.T.	.F.	.F.	.F.	104.5	8	2	0.45	1212.00
** SGC Model No. 898								
.T.	.F.	.F.	.T.	104.0	7	2	0.53	500.00
.F.	.T.	.F.	.F.	40.0	1	2	0.75	0.00
** SGC Model No. 899								
.T.	.F.	.F.	.F.	210.0	17	2	0.45	1558.00
.F.	.F.	.T.	.F.	8.0	1	2	0.70	0.00
** SGC Model No. 900								
.T.	.F.	.F.	.T.	115.2	11	2	0.53	440.00
** SGC Model No. 901								
.T.	.F.	.F.	.F.	176.7	12	2	0.44	1443.00
** SGC Model No. 902								
.T.	.F.	.F.	.F.	144.0	10	2	0.44	1185.00
.F.	.F.	.T.	.F.	20.0	1	2	0.81	0.00

TABLE 5
SGC MANUFACTURED HOMES
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	No. of Windows	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
** SGC Model No. 903								
.T.	.F.	.F.	.F.	155.0	10	2	0.34	1097.00
.T.	.F.	.F.	.F.	24.0	2	2	0.39	170.00
** SGC Model No. 904								
.T.	.F.	.F.	.F.	172.1	12	2	0.45	1445.00
.F.	.T.	.F.	.F.	40.9	1	2	0.45	344.00
** SGC Model No. 905								
.T.	.F.	.F.	.F.	216.3	15	2	0.45	1315.00
.F.	.T.	.F.	.F.	40.0	1	2	0.45	243.00
** SGC Model No. 906								
.T.	.F.	.F.	.F.	168.0	13	2	0.45	1152.00
** SGC Model No. 908								
.T.	.F.	.F.	.T.	114.0	9	2	0.53	380.00
.T.	.F.	.F.	.F.	3.0	1	2	0.75	0.00
** SGC Model No. 909								
.T.	.F.	.F.	.F.	167.7	15	2	0.45	1750.00
** SGC Model No. 911								
.T.	.F.	.F.	.T.	104.0	9	2	0.53	332.00
** SGC Model No. 912								
.F.	.F.	.T.	.F.	- 8.0	1	2	0.70	0.00
** SGC Model No. 913								
.T.	.F.	.F.	.F.	192.0	13	2	0.44	2519.00
** SGC Model No. 914								
.T.	.F.	.F.	.F.	156.0	11	2	0.44	1423.00
** SGC Model No. 917								
.F.	.F.	.T.	.F.	32.0	4	2	0.70	0.00
.T.	.F.	.F.	.T.	173.6	13	2	0.46	0.00
.T.	.F.	.F.	.F.	81.9	4	2	0.75	0.00
** SGC Model No. 918								
.T.	.F.	.F.	.T.	104.0	9	2	0.53	580.00
** SGC Model No. 919								
.T.	.F.	.F.	.T.	84.0	7	2	0.53	311.00

TABLE 5
SGC MANUFACTURED HOMES
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	No. of Windows	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
** SGC Model No. 920								
.T.	.F.	.F.	.F.	135.0	10	2	0.45	898.00
.F.	.F.	.T.	.F.	16.0	2	2	0.70	0.00
** SGC Model No. 921								
.T.	.F.	.F.	.F.	190.0	11	2	0.44	1671.00
** SGC Model No. 922								
.T.	.F.	.F.	.F.	178.0	11	2	0.44	1671.00
** SGC Model No. 923								
.T.	.F.	.F.	.F.	167.0	12	2	0.44	1618.00
.F.	.F.	.T.	.F.	10.0	1	2	0.85	205.00
** SGC Model No. 924								
.T.	.F.	.F.	.F.	141.0	11	2	0.45	1286.00
** SGC Model No. 925								
.T.	.F.	.F.	.F.	141.0	11	2	0.45	1286.00
** SGC Model No. 926								
.T.	.F.	.F.	.F.	141.0	11	2	0.45	1286.00
** SGC Model No. 927								
.T.	.F.	.F.	.F.	166.0	13	2	0.44	2054.00
.F.	.F.	.T.	.F.	48.0	1	2	0.75	0.00
** SGC Model No. 928								
.T.	.F.	.F.	.F.	179.3	12	2	0.45	1221.00
.F.	.F.	.T.	.F.	7.0	1	2	0.70	0.00
** SGC Model No. 929								
.T.	.F.	.F.	.F.	141.0	11	2	0.45	1286.00
** SGC Model No. 930								
.T.	.F.	.F.	.F.	141.0	11	2	0.45	1286.00
** SGC Model No. 931								
.T.	.F.	.F.	.F.	141.0	11	2	0.45	1286.00
** SGC Model No. 932								
.T.	.F.	.F.	.F.	116.0	8	2	0.44	1469.00
** SGC Model No. 933								
.T.	.F.	.F.	.F.	110.0	8	2	0.44	915.00

TABLE 5
SGC MANUFACTURED HOMES
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	No. of Windows	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
** SGC Model No. 934								
.T.	.F.	.F.	.F.	165.0	13	2	0.45	1152.00
** SGC Model No. 935								
.T.	.F.	.F.	.F.	207.0	16	2	0.45	1101.00
** SGC Model No. 936								
.T.	.F.	.F.	.F.	107.5	9	2	0.45	1214.00
.F.	.F.	.T.	.F.	9.0	1	2	0.70	0.00
** SGC Model No. 937								
.T.	.F.	.F.	.T.	141.0	11	2	0.44	712.00
** SGC Model No. 938								
.T.	.F.	.F.	.F.	148.0	13	2	0.45	935.00
.F.	.F.	.T.	.F.	8.0	1	2	0.70	0.00
** SGC Model No. 939								
.T.	.F.	.F.	.F.	154.0	9	2	0.75	0.00
** SGC Model No. 940								
.T.	.F.	.F.	.T.	221.0	18	2	0.44	744.00
** SGC Model No. 941								
.T.	.F.	.F.	.F.	141.0	11	2	0.45	1286.00
** SGC Model No. 942								
.T.	.F.	.F.	.F.	116.8	9	2	0.45	1259.00
** SGC Model No. 943								
.T.	.F.	.F.	.F.	179.3	12	2	0.45	1219.00
** SGC Model No. 944								
.T.	.F.	.F.	.F.	265.0	17	2	0.44	2157.00
** SGC Model No. 946								
.T.	.F.	.F.	.F.	203.3	15	2	0.45	1221.00
.F.	.F.	.T.	.F.	9.5	1	2	0.70	0.00
** SGC Model No. 947								
.T.	.F.	.F.	.F.	227.5	17	2	0.75	-66.00
** SGC Model No. 948								
.T.	.F.	.F.	.F.	218.0	17	2	0.75	100.00

TABLE 5
SGC MANUFACTURED HOMES
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	No. of Windows	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
** SGC Model No. 949								
.T.	.F.	.F.	.T.	146.0	12	2	0.53	456.00
.T.	.F.	.F.	.F.	8.0	1	2	0.75	0.00
** SGC Model No. 950								
.T.	.F.	.F.	.F.	162.0	11	2	0.75	100.00
** SGC Model No. 952								
.T.	.F.	.F.	.F.	207.9	10	2	0.45	1680.00
** SGC Model No. 953								
.T.	.F.	.F.	.F.	177.0	12	2	0.45	1115.00
.T.	.F.	.F.	.F.	41.0	1	2	0.56	0.00

TABLE 6
SGC MANUFACTURED HOMES
OTHER INCREMENTAL COSTS

SGC Model No.	Z O N E	Heating Equipment Cost (\$)	Ventilation Systems Cost (\$)	Infiltration Control Cost (\$)	Moisture Control Cost (\$)	Ductwork Cost (\$)	Total Incremental Costs (\$)
801	2	0.00	531.00	100.00	59.00	10.00	3600.00
802	1	-23.00	230.00	0.00	0.00	0.00	2758.50
803	1	-23.00	417.00	0.00	0.00	0.00	4351.00
804	1	-23.00	417.00	0.00	0.00	0.00	2697.00
805	2	-23.00	235.46	0.00	0.00	0.00	2713.88
806	2	16.00	194.00	25.00	0.00	33.00	2321.00
807	2	8.00	270.00	25.00	0.00	33.00	2834.00
808	2	-23.00	235.00	0.00	0.00	0.00	3099.50
809	1	-23.00	235.00	0.00	0.00	0.00	3595.50
810	2	8.00	166.00	25.00	0.00	33.00	2321.00
811	2	0.00	357.00	134.00	0.00	33.00	3153.00
812	1	2690.00	306.00	135.00	59.00	10.00	5140.00
813	1	-23.00	193.00	0.00	0.00	0.00	2692.75
814	1	-23.00	194.00	0.00	0.00	0.00	2471.50
815	2	-23.00	194.00	0.00	0.00	0.00	3558.50
816	2	-23.00	202.00	0.00	0.00	0.00	2550.50
817	1	-23.00	202.00	0.00	0.00	0.00	2823.50
818	2	-23.00	202.00	0.00	0.00	0.00	3135.50
819	1	0.00	226.00	98.00	0.00	33.00	2760.00
820	2	2800.00	194.00	0.00	0.00	0.00	3994.50
822	1	-23.00	202.00	0.00	0.00	0.00	2989.50
823	1	2500.00	194.00	0.00	0.00	0.00	5424.50
824	2	0.00	204.00	25.00	0.00	33.00	2052.00
825	1	0.00	158.00	25.00	0.00	58.00	2625.00
826	1	0.00	134.00	25.00	0.00	33.00	2654.00
827	1	0.00	357.00	134.00	0.00	33.00	3333.00
828	2	6.00	174.00	25.00	0.00	33.00	2537.00
829	1	0.00	226.00	98.00	0.00	33.00	2747.00
830	1	-23.00	193.00	0.00	0.00	0.00	2751.00
831	2	0.00	317.00	134.00	0.00	33.00	3056.00
832	2	0.00	204.00	25.00	0.00	33.00	1989.00
833	1	-23.00	202.00	0.00	0.00	0.00	2831.00
834	1	0.00	357.00	134.00	0.00	33.00	3019.00
835	1	0.00	322.00	18.00	0.00	35.00	2531.00
836	1	0.00	322.00	18.00	0.00	35.00	2802.00
838	1	3000.00	253.00	57.00	59.00	5.00	5938.00
839	1	3000.00	253.00	57.00	59.00	5.00	4994.00
840	1	3053.00	69.00	0.00	0.00	0.00	4786.00
841	2	-23.00	69.00	0.00	0.00	0.00	2870.00
842	1	3000.00	255.00	57.00	59.00	5.00	5634.00
843	1	3000.00	330.00	57.00	59.00	5.00	4311.00
844	1	0.00	357.00	134.00	0.00	33.00	4055.00
845	1	0.00	317.00	134.00	0.00	33.00	3225.00
847	1	-23.00	202.00	0.00	0.00	0.00	3764.00

TABLE 6
SGC MANUFACTURED HOMES
OTHER INCREMENTAL COSTS

SGC Model No.	Z O N E	Heating Equipment Cost (\$)	Ventilation Systems Cost (\$)	Infiltration Control Cost (\$)	Moisture Control Cost (\$)	Ductwork Cost (\$)	Total Incremental Costs (\$)
848	2	-23.00	202.00	0.00	0.00	0.00	3196.00
849	2	0.00	357.00	134.00	0.00	33.00	3603.00
850	1	0.00	322.00	18.00	0.00	35.00	2260.00
851	1	0.00	322.00	18.00	0.00	35.00	2320.00
852	1	0.00	357.00	134.00	0.00	33.00	3117.00
853	1	0.00	204.00	25.00	0.00	33.00	2071.00
854	1	0.00	322.00	18.00	0.00	35.00	2411.00
855	1	0.00	326.00	54.00	52.00	7.00	2837.00
856	1	3194.00	326.00	65.00	61.00	7.00	5521.00
857	2	0.00	357.00	134.00	0.00	33.00	3500.00
858	2	0.00	357.00	134.00	0.00	33.00	3500.00
859	2	-23.00	202.00	0.00	0.00	0.00	3904.00
860	1	-23.00	202.00	0.00	0.00	0.00	2489.00
861	1	3212.00	234.00	73.00	76.00	7.00	4242.00
862	1	0.00	357.00	134.00	0.00	33.00	3500.00
863	2	0.00	124.00	25.00	0.00	33.00	2170.00
864	2	0.00	170.00	25.00	0.00	33.00	2529.00
865	2	0.00	168.00	25.00	0.00	33.00	2137.00
866	2	0.00	357.00	134.00	0.00	33.00	3500.00
867	1	3189.00	366.00	75.00	76.00	7.00	5898.00
868	1	3188.00	326.00	68.00	70.00	7.00	6359.00
869	1	0.00	357.00	134.00	0.00	33.00	3250.00
870	3	0.00	290.00	90.00	0.00	0.00	4265.00
871	1	0.00	357.00	134.00	0.00	33.00	3250.00
872	1	-23.00	235.00	0.00	0.00	0.00	2232.00
873	1	0.00	322.00	18.00	0.00	35.00	2320.00
874	1	0.00	357.00	134.00	0.00	33.00	3500.00
875	1	-23.00	202.00	0.00	0.00	0.00	3062.00
876	2	-23.00	202.00	0.00	0.00	0.00	3780.00
877	1	0.00	322.00	18.00	0.00	35.00	2325.00
878	2	0.00	357.00	134.00	0.00	33.00	3500.00
879	2	0.00	357.00	134.00	0.00	33.00	3500.00
880	2	0.00	357.00	134.00	0.00	33.00	3500.00
881	1	0.00	357.00	134.00	0.00	33.00	3500.00
882	1	0.00	325.00	150.00	0.00	20.00	2505.00
883	1	0.00	375.00	175.00	0.00	20.00	2728.00
884	1	0.00	326.00	60.00	60.00	7.00	3192.00
885	2	0.00	357.00	134.00	0.00	33.00	3500.00
886	2	-23.00	202.00	0.00	0.00	0.00	2840.00
887	2	0.00	357.00	134.00	0.00	33.00	3500.00
888	1	-23.00	202.00	0.00	0.00	0.00	2381.00
889	2	-23.00	202.00	0.00	0.00	0.00	2909.00
890	1	0.00	357.00	134.00	0.00	33.00	3250.00
891	1	3390.00	366.00	75.00	77.00	7.00	5962.00
892	1	0.00	357.00	134.00	0.00	33.00	3500.00

TABLE 6
SGC MANUFACTURED HOMES
OTHER INCREMENTAL COSTS

SGC Model No.	Z O N E	Heating Equipment Cost (\$)	Ventilation Systems Cost (\$)	Infiltration Control Cost (\$)	Moisture Control Cost (\$)	Ductwork Cost (\$)	Total Incremental Costs (\$)
893	1	3400.00	326.00	75.00	76.00	7.00	5942.00
894	1	2288.00	325.00	150.00	0.00	20.00	4745.00
895	2	0.00	275.00	105.00	0.00	0.00	3770.00
896	2	-23.00	202.00	0.00	0.00	0.00	2898.00
897	1	0.00	357.00	134.00	0.00	33.00	3250.00
898	1	2195.00	375.00	200.00	0.00	0.00	4750.00
899	2	2495.00	202.00	0.00	0.00	0.00	5167.00
900	1	0.00	322.00	18.00	0.00	35.00	2480.00
901	2	0.00	158.00	25.00	0.00	58.00	2751.00
902	2	0.00	124.00	25.00	0.00	33.00	2102.00
903	2	-23.00	222.00	0.00	0.00	0.00	3055.00
904	2	0.00	261.00	0.00	0.00	0.00	4467.00
905	2	2548.00	202.00	0.00	0.00	0.00	5095.00
906	1	0.00	357.00	134.00	0.00	33.00	3500.00
907	2	2916.00	235.00	155.00	0.00	50.00	4291.00
908	1	0.00	230.00	60.00	56.00	7.00	2483.00
909	1	0.00	357.00	134.00	0.00	33.00	3882.00
910	1	2780.00	234.00	75.00	76.00	7.00	4240.00
911	1	0.00	326.00	54.00	52.00	7.00	2837.00
912	2	2778.00	222.00	0.00	0.00	0.00	4398.00
913	2	0.00	329.00	102.00	0.00	0.00	5055.00
914	2	0.00	186.00	58.00	0.00	0.00	2815.00
915	1	3100.00	234.00	69.00	68.00	7.00	4940.00
916	1	3100.00	234.00	69.00	68.00	7.00	5355.00
917	1	2532.00	202.00	0.00	0.00	0.00	4639.00
918	1	0.00	326.00	54.00	51.00	7.00	2882.00
919	1	0.00	326.00	52.00	48.00	7.00	2466.00
920	1	-23.00	202.00	0.00	0.00	0.00	3145.00
921	2	0.00	219.00	68.00	0.00	0.00	3381.00
922	2	0.00	219.00	68.00	0.00	0.00	3306.00
923	1	0.00	209.00	68.00	0.00	0.00	3400.00
924	2	0.00	357.00	134.00	0.00	33.00	3500.00
925	2	0.00	357.00	134.00	0.00	33.00	3500.00
926	2	0.00	357.00	134.00	0.00	33.00	3500.00
927	1	2275.00	264.00	81.00	0.00	0.00	6325.00
928	2	0.00	357.00	134.00	0.00	33.00	3500.00
929	2	0.00	357.00	134.00	0.00	33.00	3500.00
930	2	0.00	357.00	134.00	0.00	33.00	3500.00
931	2	0.00	357.00	134.00	0.00	33.00	3500.00
932	2	0.00	192.00	60.00	0.00	0.00	2905.00
933	2	0.00	195.00	25.00	0.00	33.00	2053.00
934	1	0.00	357.00	134.00	0.00	33.00	3500.00
935	1	0.00	357.00	134.00	0.00	33.00	3500.00
936	1	0.00	357.00	134.00	0.00	33.00	3250.00
937	3	0.00	366.00	75.00	76.00	7.00	4284.00

TABLE 6
SGC MANUFACTURED HOMES
OTHER INCREMENTAL COSTS

SGC Model No.	Z O N E	Heating Equipment Cost (\$)	Ventilation Systems Cost (\$)	Infiltration Control Cost (\$)	Moisture Control Cost (\$)	Ductwork Cost (\$)	Total Incremental Costs (\$)
938	1	-23.00	202.00	0.00	0.00	0.00	2559.00
939	1	3400.00	326.00	63.00	61.00	7.00	5702.00
940	2	0.00	326.00	75.00	76.00	7.00	4336.00
941	2	0.00	357.00	134.00	0.00	33.00	3500.00
942	2	0.00	357.00	134.00	0.00	33.00	3250.00
943	2	0.00	357.00	134.00	0.00	33.00	3500.00
944	1	2350.00	281.00	87.00	0.00	0.00	6614.00
946	1	0.00	357.00	134.00	0.00	33.00	3500.00
947	2	2850.00	234.00	76.00	72.00	7.00	5231.00
948	1	3095.00	326.00	75.00	77.00	7.00	5823.00
949	1	0.00	234.00	70.00	67.00	7.00	3262.00
950	1	3290.00	326.00	68.00	70.00	7.00	6157.00
951	2	2778.00	202.00	0.00	0.00	0.00	4261.00
952	1	-23.00	202.00	0.00	0.00	0.00	4080.00
953	1	-23.00	231.00	0.00	0.00	0.00	3529.00
954	1	3397.00	234.00	69.00	67.00	7.00	5950.00

APPENDIX E

SELECTED RAW DATA FROM THE MOST COMMON DATABASES

APPENDIX E

SELECTED RAW DATA FROM THE MOST COMMON DATABASES

The six tables in this appendix contain selected technical and incremental cost information on the most commonly purchased options in each of the 150 homes in the most common databases. The first five tables present information on five components: exterior walls, ceilings, floors, doors, and glazing. Table 6 presents incremental cost data for other components as well as the total incremental cost of the most commonly purchased options. In each of the six tables, the data are in numerical SGC Model number order from 801-954.

TABLE 1
MOST COMMON MANUFACTURED HOMES
EXTERIOR WALL CHARACTERISTICS

SGC Model No.	Net Wall Area (sq. ft.)	R-Value	Incremental Exterior Wall Cost (\$)
802	915.0	19	355.00
803	1284.0	19	485.00
804	1128.0	19	410.00
805	1338.0	19	390.00
806	978.0	19	160.00
807	1133.0	19	160.00
808	1196.7	19	440.00
809	1224.3	19	494.00
811	1098.0	19	200.00
813	1043.7	19	432.00
814	953.0	19	390.00
815	1120.2	19	410.00
816	1052.5	19	448.00
817	1056.0	19	375.00
818	1207.6	19	493.00
819	1015.5	19	200.00
820	1212.7	19	421.00
822	1100.7	19	463.00
823	1015.7	19	442.00
824	1028.0	19	160.00
825	1243.0	19	160.00
827	1194.6	19	200.00
828	1134.0	19	160.00
829	1016.0	19	200.00
830	1041.5	19	355.00
831	1097.7	19	230.00
832	1028.0	19	160.00
833	1126.5	19	494.00
834	934.8	19	200.00
839	1117.0	19	550.00
840	1089.5	19	442.00
841	1018.2	19	375.00
844	1114.0	19	200.00
845	1020.0	19	230.00
847	1279.4	19	440.00
848	1175.6	19	440.00
849	1189.8	19	230.00
852	1249.0	19	200.00
853	1024.0	19	160.00
857	982.6	19	230.00
858	982.6	19	230.00
859	1185.7	19	494.00
860	1022.7	19	375.00
862	1040.8	19	230.00

TABLE 1
MOST COMMON MANUFACTURED HOMES
EXTERIOR WALL CHARACTERISTICS

SGC Model No.	Net Wall Area (sq. ft.)	R-Value	Incremental Exterior Wall Cost (\$)
864	1134.0	19	160.00
865	978.0	19	160.00
866	1239.0	19	200.00
869	1134.3	19	225.00
870	1075.0	19	645.00
871	1134.3	19	225.00
872	960.0	19	401.00
874	1135.0	19	200.00
875	1052.6	19	547.00
876	1161.7	19	495.00
878	1167.3	19	225.00
879	982.6	19	230.00
880	1050.5	19	230.00
881	1156.0	19	410.00
885	1114.0	19	200.00
886	1017.3	19	405.00
887	1156.0	19	410.00
888	958.0	19	421.00
889	1027.2	19	405.00
890	1134.3	19	225.00
892	1135.0	19	200.00
895	1081.0	19	645.00
896	1040.4	19	432.00
897	1134.3	19	225.00
899	1118.5	19	499.00
901	1243.0	19	160.00
903	1025.0	19	442.00
904	1425.6	19	639.00
905	1021.6	19	442.00
906	1156.0	19	410.00
907	1177.0	19	275.00
909	1054.0	19	200.00
912	1203.9	19	611.00
913	1222.0	19	770.00
914	1110.0	19	645.00
915	1155.0	19	550.00
916	1127.0	19	550.00
917	1133.5	19	483.00
920	986.1	19	385.00
921	1233.0	19	645.00
922	1215.0	19	645.00
923	1121.0	19	645.00
924	982.6	19	230.00
925	982.6	19	230.00
926	982.6	19	230.00

TABLE 1
MOST COMMON MANUFACTURED HOMES
EXTERIOR WALL CHARACTERISTICS

SGC Model No.	Net Wall Area (sq. ft.)	R-Value	Incremental Exterior Wall Cost (\$)
927	1187.0	19	645.00
928	1167.3	19	225.00
929	982.6	19	230.00
930	982.6	19	230.00
931	982.6	19	230.00
932	948.0	19	645.00
933	1024.0	19	160.00
934	1156.0	19	410.00
935	1192.3	19	419.00
936	1134.3	19	225.00
938	1119.2	19	464.00
941	982.6	19	230.00
942	1042.0	19	520.00
943	1167.3	19	225.00
944	1309.0	19	775.00
946	1167.3	19	225.00
947	1139.0	19	550.00
949	1147.0	19	550.00
951	1173.4	19	494.00
952	1130.5	19	450.00
953	1377.0	19	567.00
954	1128.0	19	550.00

TABLE 2
MOST COMMON MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Ceiling Area (sq ft)	Fiberglass Batt R-Value	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model Number 801					
.T.	.F.	999.0	21	0	150.00
.F.	.T.	512.0	21	0	75.00
** SGC Model Number 802					
.T.	.F.	990.0	30	0	215.00
.F.	.T.	275.0	30	0	60.00
** SGC Model Number 803					
.T.	.F.	1015.5	30	0	263.00
.F.	.T.	1008.5	30	0	262.00
** SGC Model Number 804					
.T.	.F.	1002.0	30	0	217.00
.F.	.T.	591.0	30	0	128.00
** SGC Model Number 805					
.T.	.F.	1001.0	30	0	212.00
.F.	.T.	531.0	30	0	113.00
** SGC Model Number 806					
.T.	.F.	468.0	21	0	79.00
.F.	.T.	720.0	21	0	122.00
** SGC Model Number 807					
.T.	.F.	635.0	21	0	84.00
.F.	.T.	877.0	21	0	117.00
** SGC Model Number 808					
.T.	.F.	1118.1	30	0	237.00
.F.	.T.	673.4	30	0	143.00
** SGC Model Number 809					
.T.	.F.	1288.0	30	0	273.00
.F.	.T.	502.1	30	0	107.00
** SGC Model Number 810					
.T.	.F.	621.0	33	0	94.00
.F.	.T.	1161.0	33	0	176.00
** SGC Model Number 811					
.T.	.F.	716.2	0	22	76.00
.F.	.T.	792.0	0	22	84.00

TABLE 2
MOST COMMON MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Ceiling Area (sq ft)	Fiberglass Batt R-Value	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model Number 812					
.T.	.F.	735.0	21	0	139.00
.F.	.T.	456.0	21	0	86.00
** SGC Model Number 813					
.T.	.F.	757.6	30	0	162.00
.F.	.T.	530.5	30	0	113.00
** SGC Model Number 814					
.T.	.F.	642.4	30	0	144.00
.F.	.T.	448.4	30	0	101.00
** SGC Model Number 815					
.T.	.F.	1153.3	30	0	253.00
.F.	.T.	422.2	30	0	92.00
** SGC Model Number 816					
.T.	.F.	1017.5	30	0	217.00
.F.	.T.	507.4	30	0	108.00
** SGC Model Number 817					
.T.	.F.	877.7	30	0	188.00
.F.	.T.	522.3	30	0	112.00
** SGC Model Number 818					
.T.	.F.	1245.6	30	0	271.00
.F.	.T.	501.9	30	0	109.00
** SGC Model Number 819					
.T.	.F.	684.3	0	22	88.00
.F.	.T.	632.3	0	22	82.00
** SGC Model Number 820					
.T.	.F.	818.0	30	0	176.00
.F.	.T.	574.2	30	0	124.00
** SGC Model Number 822					
.T.	.F.	1002.1	30	0	216.00
.F.	.T.	596.2	30	0	129.00
** SGC Model Number 823					
.T.	.F.	922.9	30	0	206.00
.F.	.T.	418.7	30	0	94.00

TABLE 2
MOST COMMON MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Ceiling Area (sq ft)	Fiberglass Batt R-Value	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model Number 824					
.T.	.F.	560.0	21	0	87.00
.F.	.T.	736.0	21	0	114.00
** SGC Model Number 825					
.T.	.F.	621.0	21	0	70.00
.F.	.T.	1161.0	21	0	131.00
** SGC Model Number 826					
.T.	.F.	621.0	33	0	94.00
.F.	.T.	1161.0	33	0	176.00
** SGC Model Number 827					
.T.	.F.	641.3	0	22	76.00
.F.	.T.	1128.7	0	22	84.00
** SGC Model Number 828					
.T.	.F.	635.0	21	0	84.00
.F.	.T.	877.0	21	0	117.00
** SGC Model Number 829					
.T.	.F.	740.5	0	22	88.00
.F.	.T.	552.3	0	22	82.00
** SGC Model Number 830					
.T.	.F.	642.4	30	0	144.00
.F.	.T.	585.7	30	0	131.00
** SGC Model Number 831					
.F.	.T.	1516.0	0	22	170.00
** SGC Model Number 832					
.T.	.F.	560.0	21	0	87.00
.F.	.T.	736.0	21	0	114.00
** SGC Model Number 833					
.T.	.F.	1002.1	30	0	238.00
.F.	.T.	596.2	30	0	142.00
** SGC Model Number 834					
.T.	.F.	433.8	0	22	76.00
.F.	.T.	699.5	0	22	84.00
** SGC Model Number 835					
.T.	.F.	746.0	0	21	113.00

TABLE 2
MOST COMMON MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Ceiling Area (sq ft)	Fiberglass Batt R-Value	Other Type R-Value	Incremental Ceiling Cost (\$)
.F.	.T.	540.0	0	21	82.00
** SGC Model Number 836					
.T.	.F.	722.0	0	21	109.00
.F.	.T.	564.0	0	21	86.00
** SGC Model Number 838					
.T.	.F.	473.0	22	0	68.00
.F.	.T.	1275.0	22	0	182.00
** SGC Model Number 839					
.T.	.F.	550.5	22	0	77.00
.F.	.T.	1054.0	22	0	148.00
** SGC Model Number 840					
.T.	.F.	739.9	30	0	153.00
.F.	.T.	589.5	30	0	122.00
** SGC Model Number 841					
.T.	.F.	872.7	30	0	188.00
.F.	.T.	522.3	30	0	112.00
** SGC Model Number 842					
.T.	.F.	937.0	22	0	133.00
.F.	.T.	829.0	22	0	117.00
** SGC Model Number 844					
.T.	.F.	303.0	0	22	33.00
.F.	.T.	1264.0	0	22	137.00
** SGC Model Number 845					
.F.	.T.	1511.0	0	22	170.00
** SGC Model Number 847					
.T.	.F.	695.6	30	0	151.00
.F.	.T.	1050.5	30	0	229.00
** SGC Model Number 848					
.T.	.F.	1232.7	30	0	272.00
.F.	.T.	492.6	30	0	108.00
** SGC Model Number 849					
.F.	.T.	1786.8	0	22	170.00

TABLE 2
MOST COMMON MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Ceiling Area (sq ft)	Fiberglass Batt R-Value	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model Number 850					
.T.	.F.	676.0	0	21	88.00
.F.	.T.	818.0	0	21	107.00
** SGC Model Number 851					
.T.	.F.	427.0	0	21	78.00
.F.	.T.	640.0	0	21	117.00
** SGC Model Number 852					
.T.	.F.	648.0	0	22	88.00
.F.	.T.	540.0	0	22	82.00
** SGC Model Number 853					
.T.	.F.	560.0	21	0	87.00
.F.	.T.	736.0	21	0	114.00
** SGC Model Number 854					
.T.	.F.	673.0	0	21	112.00
.F.	.T.	500.0	0	21	83.00
** SGC Model Number 855					
.T.	.F.	735.0	21	0	121.00
.F.	.T.	449.0	21	0	74.00
** SGC Model Number 856					
.T.	.F.	711.0	22	0	114.00
.F.	.T.	690.0	22	0	111.00
** SGC Model Number 857					
.F.	.T.	1500.2	0	22	170.00
** SGC Model Number 858					
.F.	.T.	1500.2	0	22	170.00
** SGC Model Number 859					
.T.	.F.	1281.7	30	0	272.00
.F.	.T.	508.8	30	0	108.00
** SGC Model Number 860					
.T.	.F.	822.4	30	0	177.00
.F.	.T.	574.2	30	0	123.00
** SGC Model Number 862					
.F.	.T.	1398.0	0	22	170.00

TABLE 2
MOST COMMON MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Ceiling Area (sq ft)	Fiberglass Batt R-Value	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model Number 863					
.T.	.F.	621.0	33	0	94.00
.F.	.T.	1161.0	33	0	176.00
** SGC Model Number 864					
.T.	.F.	635.0	21	0	84.00
.F.	.T.	877.0	21	0	117.00
** SGC Model Number 865					
.T.	.F.	468.0	21	0	79.00
.F.	.T.	720.0	21	0	122.00
** SGC Model Number 866					
.T.	.F.	659.0	0	22	61.00
.F.	.T.	1056.5	0	22	99.00
** SGC Model Number 867					
.T.	.F.	943.0	22	0	133.00
.F.	.T.	823.0	22	0	117.00
** SGC Model Number 868					
.T.	.F.	788.0	22	0	122.00
.F.	.T.	826.0	22	0	128.00
** SGC Model Number 869					
.F.	.T.	534.0	0	22	76.00
.T.	.F.	657.0	0	22	94.00
** SGC Model Number 870					
.T.	.F.	468.0	33	0	92.00
.F.	.T.	924.0	33	0	183.00
** SGC Model Number 871					
.T.	.F.	657.0	0	22	94.00
.F.	.T.	534.0	0	22	76.00
** SGC Model Number 872					
.T.	.F.	995.1	30	0	215.00
.F.	.T.	275.2	30	0	60.00
** SGC Model Number 873					
.T.	.F.	673.0	0	21	112.00
.F.	.T.	500.0	0	21	83.00

TABLE 2
MOST COMMON MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Ceiling Area (sq ft)	Fiberglass Batt R-Value	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model Number 874					
.T.	.F.	334.4	0	22	38.00
.F.	.T.	1177.6	0	22	132.00
** SGC Model Number 875					
.T.	.F.	1017.4	30	0	217.00
.F.	.T.	507.4	30	0	108.00
** SGC Model Number 876					
.T.	.F.	1325.0	30	0	312.00
.F.	.T.	331.0	30	0	78.00
** SGC Model Number 877					
.T.	.F.	676.0	0	21	131.00
** SGC Model Number 878					
.F.	.T.	1786.8	0	22	170.00
** SGC Model Number 879					
.F.	.T.	1500.2	0	22	170.00
** SGC Model Number 880					
.F.	.T.	1777.3	0	22	170.00
** SGC Model Number 881					
.F.	.T.	1502.5	0	22	240.00
** SGC Model Number 882					
.T.	.F.	664.0	21	0	112.00
.F.	.T.	515.0	21	0	86.00
** SGC Model Number 883					
.T.	.F.	995.0	21	0	142.00
.F.	.T.	604.0	21	0	86.00
** SGC Model Number 884					
.T.	.F.	745.0	22	0	112.00
.F.	.T.	550.0	22	0	83.00
** SGC Model Number 885					
.T.	.F.	303.0	0	22	33.00
.F.	.T.	1264.0	0	22	137.00
** SGC Model Number 886					
.T.	.F.	886.7	30	0	189.00

TABLE 2
MOST COMMON MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Ceiling Area (sq ft)	Fiberglass Batt R-Value	Other Type R-Value	Incremental Ceiling Cost (\$)
.F.	.T.	520.9	30	0	111.00
** SGC Model Number 887					
.F.	.T.	1505.0	0	22	240.00
** SGC Model Number 888					
.T.	.F.	1330.3	30	0	300.00
** SGC Model Number 889					
.T.	.F.	1151.3	30	0	248.00
.F.	.T.	240.8	30	0	52.00
** SGC Model Number 890					
.T.	.F.	657.0	0	22	94.00
.F.	.T.	534.0	0	22	76.00
** SGC Model Number 891					
.T.	.F.	953.0	22	0	134.00
.F.	.T.	828.0	22	0	116.00
** SGC Model Number 892					
.T.	.F.	334.4	0	22	38.00
.F.	.T.	1177.6	0	22	132.00
** SGC Model Number 893					
.T.	.F.	853.0	22	0	124.00
.F.	.T.	933.0	22	0	136.00
** SGC Model Number 894					
.T.	.F.	711.0	21	0	101.00
.F.	.T.	462.0	21	0	66.00
** SGC Model Number 895					
.T.	.F.	858.0	33	0	147.00
.F.	.T.	742.0	33	0	128.00
** SGC Model Number 896					
.T.	.F.	924.4	30	0	202.00
.F.	.T.	516.4	30	0	113.00
** SGC Model Number 897					
.T.	.F.	657.0	0	22	94.00
.F.	.T.	534.0	0	22	76.00

TABLE 2
MOST COMMON MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Ceiling Area (sq ft)	Fiberglass Batt R-Value	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model Number 898					
.T.	.F.	664.0	21	0	112.00
.F.	.T.	515.0	21	0	86.00
** SGC Model Number 899					
.T.	.F.	1216.1	30	0	268.00
.F.	.T.	511.3	30	0	112.00
** SGC Model Number 900					
.T.	.F.	673.0	0	21	112.00
.F.	.T.	500.0	0	21	83.00
** SGC Model Number 901					
.T.	.F.	621.0	21	0	70.00
.F.	.T.	1161.0	21	0	131.00
** SGC Model Number 902					
.T.	.F.	621.0	33	0	94.00
.F.	.T.	1161.0	33	0	176.00
** SGC Model Number 903					
.T.	.F.	976.7	30	0	214.00
.F.	.T.	507.4	30	0	111.00
** SGC Model Number 904					
.T.	.F.	1001.4	30	0	244.00
.F.	.T.	1154.7	30	0	281.00
** SGC Model Number 905					
.T.	.F.	1017.4	30	0	217.00
.F.	.T.	507.4	30	0	108.00
** SGC Model Number 906					
.F.	.T.	1502.5	0	22	240.00
** SGC Model Number 907					
.F.	.T.	1729.5	0	30	160.00
** SGC Model Number 908					
.T.	.F.	684.0	21	0	85.00
.F.	.T.	610.0	21	0	75.00
** SGC Model Number 909					
.T.	.F.	521.6	0	22	59.00
.F.	.T.	974.0	0	22	111.00

TABLE 2
MOST COMMON MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Ceiling Area (sq ft)	Fiberglass Batt R-Value	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model Number 911					
.T.	.F.	738.0	21	0	121.00
.F.	.T.	444.5	21	0	74.00
** SGC Model Number 912					
.T.	.F.	1281.7	30	0	272.00
.F.	.T.	508.8	30	0	108.00
** SGC Model Number 913					
.T.	.F.	441.0	33	0	95.00
.F.	.T.	1380.0	33	0	300.00
** SGC Model Number 914					
.T.	.F.	353.0	33	0	69.00
.F.	.T.	1158.0	33	0	226.00
** SGC Model Number 915					
.T.	.F.	771.0	22	0	111.00
.F.	.T.	795.0	22	0	114.00
** SGC Model Number 916					
.T.	.F.	761.0	22	0	111.00
.F.	.T.	785.0	22	0	114.00
** SGC Model Number 917					
.T.	.F.	1316.6	30	0	278.00
.F.	.T.	363.4	30	0	77.00
** SGC Model Number 918					
.T.	.F.	738.0	21	0	121.00
.F.	.T.	454.0	21	0	74.00
** SGC Model Number 919					
.T.	.F.	684.0	21	0	124.00
.F.	.T.	392.0	21	0	71.00
** SGC Model Number 920					
.T.	.F.	708.9	30	0	163.00
.F.	.T.	488.8	30	0	112.00
** SGC Model Number 921					
.T.	.F.	917.0	33	0	170.00
.F.	.T.	833.0	33	0	155.00

TABLE 2
MOST COMMON MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Ceiling Area (sq ft)	Fiberglass Batt R-Value	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model Number 922					
.T.	.F.	656.0	33	0	121.00
.F.	.T.	1094.0	33	0	204.00
** SGC Model Number 923					
.T.	.F.	342.0	33	0	67.00
.F.	.T.	1175.0	33	0	228.00
** SGC Model Number 924					
.F.	.T.	1500.2	0	22	170.00
** SGC Model Number 925					
.F.	.T.	1500.2	0	22	170.00
** SGC Model Number 926					
.F.	.T.	1500.2	0	22	170.00
** SGC Model Number 927					
.T.	.F.	792.0	33	0	146.00
.F.	.T.	970.0	33	0	179.00
** SGC Model Number 928					
.F.	.T.	1786.8	0	22	170.00
** SGC Model Number 929					
.F.	.T.	1500.2	0	22	170.00
** SGC Model Number 930					
.F.	.T.	1500.2	0	22	170.00
** SGC Model Number 931					
.F.	.T.	1500.2	0	22	170.00
** SGC Model Number 932					
.T.	.F.	241.0	33	0	48.00
.F.	.T.	929.0	33	0	187.00
** SGC Model Number 933					
.T.	.F.	560.0	21	0	87.00
.F.	.T.	736.0	21	0	114.00
** SGC Model Number 934					
.F.	.T.	1502.5	0	22	240.00

TABLE 2
MOST COMMON MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Ceiling Area (sq ft)	Fiberglass Batt R-Value	Other Type R-Value	Incremental Ceiling Cost (\$)
** SGC Model Number 935					
.F.	.T.	1726.0	0	22	240.00
** SGC Model Number 936					
.T.	.F.	657.0	0	22	94.00
.F.	.T.	534.0	0	22	76.00
** SGC Model Number 937					
.T.	.F.	931.0	22	0	130.00
.F.	.T.	855.0	22	0	120.00
** SGC Model Number 938					
.T.	.F.	1020.4	30	0	220.00
.F.	.T.	578.2	30	0	125.00
** SGC Model Number 939					
.T.	.F.	721.0	22	0	115.00
.F.	.T.	687.0	22	0	110.00
** SGC Model Number 940					
.T.	.F.	848.0	22	0	120.00
.F.	.T.	917.0	22	0	130.00
** SGC Model Number 941					
.F.	.T.	1500.2	0	22	170.00
** SGC Model Number 942					
.F.	.T.	1286.5	33	0	165.00
** SGC Model Number 943					
.F.	.T.	1786.8	0	22	170.00
** SGC Model Number 944					
.T.	.F.	881.0	33	0	188.00
.F.	.T.	1115.0	33	0	237.00
** SGC Model Number 946					
.F.	.T.	1786.8	0	22	170.00
** SGC Model Number 947					
.T.	.F.	643.0	22	0	85.00
.F.	.T.	1064.0	22	0	140.00
** SGC Model Number 948					
.T.	.F.	853.0	22	0	120.00

TABLE 2
MOST COMMON MANUFACTURED HOMES
CEILING CHARACTERISTICS

Attic (T/F)	Vault (T/F)	Ceiling Area (sq ft)	Fiberglass Batt R-Value	Other Type R-Value	Incremental Ceiling Cost (\$)
.F.	.T.	917.0	22	0	130.00
** SGC Model Number 949					
.T.	.F.	644.0	22	0	93.00
.F.	.T.	916.0	22	0	132.00
** SGC Model Number 950					
.F.	.T.	836.0	22	0	128.00
.T.	.F.	788.0	22	0	122.00
** SGC Model Number 951					
.T.	.F.	1398.1	30	0	296.00
.F.	.T.	396.5	30	0	84.00
** SGC Model Number 952					
.T.	.F.	1003.5	30	0	236.00
.F.	.T.	505.3	30	0	119.00
** SGC Model Number 953					
.T.	.F.	1122.0	30	0	268.00
.F.	.T.	971.3	30	0	232.00
** SGC Model Number 954					
.T.	.F.	755.0	22	0	110.00
.F.	.T.	794.0	22	0	115.00

TABLE 3
MOST COMMON MANUFACTURED HOMES
FLOOR CHARACTERISTICS

SGC Model No.	Joist Floor Area (sq ft)	Joist R-Value	Underbelly Floor Area (sq ft)	Underbelly R-Value	Incremental Floor Cost (\$)
801	0.0	0	1511.0	11	160.00
802	0.0	0	1263.5	22	275.00
803	0.0	0	2026.0	22	525.00
804	0.0	0	1590.0	22	345.00
805	0.0	0	1529.0	22	325.00
808	0.0	0	1788.0	22	380.00
809	0.0	0	1768.5	22	380.00
812	0.0	0	1191.0	11	160.00
813	0.0	0	1285.0	22	275.00
814	0.0	0	1078.0	22	245.00
815	0.0	0	1575.4	22	345.00
816	0.0	0	1522.0	22	325.00
817	0.0	0	1397.0	22	300.00
818	0.0	0	1744.5	22	380.00
820	0.0	0	1388.8	22	300.00
822	0.0	0	1595.0	22	345.00
823	0.0	0	1338.6	22	300.00
830	0.0	0	1225.0	22	275.00
833	0.0	0	1595.0	22	345.00
838	0.0	0	1773.0	11	200.00
839	0.0	0	1624.0	11	140.00
840	0.0	0	1326.0	22	275.00
841	0.0	0	1392.0	22	300.00
842	0.0	0	1786.0	11	200.00
847	0.0	0	1745.5	22	380.00
848	0.0	0	1712.0	22	380.00
855	0.0	0	1191.0	11	130.00
856	0.0	0	1408.0	11	160.00
859	0.0	0	1776.4	22	380.00
860	0.0	0	1388.7	22	300.00
867	0.0	0	1786.0	11	200.00
868	0.0	0	1629.0	11	200.00
870	0.0	0	1392.0	22	275.00
872	0.0	0	1268.8	22	275.00
875	0.0	0	1522.0	22	325.00
876	0.0	0	1649.6	22	390.00
882	0.0	0	1387.0	11	104.00
883	0.0	0	1600.0	11	120.00
884	0.0	0	1305.0	11	130.00
886	0.0	0	1404.4	22	300.00
888	0.0	0	1330.3	22	300.00
889	0.0	0	1390.0	22	300.00
891	0.0	0	1791.0	11	200.00
893	0.0	0	1786.0	11	200.00

TABLE 3
MOST COMMON MANUFACTURED HOMES
FLOOR CHARACTERISTICS

SGC Model No.	Joist Floor Area (sq ft)	Joist R-Value	Underbelly Floor Area (sq ft)	Underbelly R-Value	Incremental Floor Cost (\$)
894	0.0	0	1173.0	11	88.00
895	0.0	0	1600.0	22	275.00
896	0.0	0	1438.0	22	315.00
898	0.0	0	1387.0	11	104.00
899	0.0	0	1724.7	22	380.00
903	0.0	0	1517.3	22	325.00
904	0.0	0	2149.8	22	525.00
905	0.0	0	1521.5	22	325.00
908	0.0	0	1299.0	11	105.00
911	0.0	0	1192.0	11	130.00
912	0.0	0	1776.4	22	380.00
917	0.0	0	1671.3	22	355.00
918	0.0	0	1192.0	11	130.00
919	0.0	0	1084.0	11	130.00
920	0.0	0	1194.8	22	275.00
937	0.0	0	1786.0	11	200.00
938	0.0	0	1603.1	22	345.00
939	0.0	0	1408.0	11	160.00
940	0.0	0	1775.0	11	200.00
948	0.0	0	1770.0	11	200.00
949	0.0	0	1570.0	11	140.00
950	0.0	0	1624.0	11	200.00
951	0.0	0	1791.7	22	380.00
952	0.0	0	1506.1	22	355.00
953	0.0	0	2088.1	22	900.00
954	0.0	0	1569.0	11	140.00

TABLE 4
MOST COMMON MANUFACTURED HOMES
DOOR CHARACTERISTICS

SGC Model No.	With Window (T/F)	With Thermal Break (T/F)	With Storm Door (T/F)	Door Area (sq ft)	U-Value	Incremental Door Cost (\$)
801	.F.	.T.	.T.	17.5	0.18	140.00
806	.F.	.T.	.F.	21.5	0.22	165.00
806	.T.	.T.	.F.	21.5	0.25	65.00
807	.F.	.T.	.F.	21.5	0.22	165.00
807	.T.	.T.	.F.	21.5	0.25	65.00
810	.F.	.T.	.F.	21.5	0.22	20.00
810	.T.	.T.	.F.	21.5	0.25	170.00
812	.F.	.T.	.T.	17.5	0.18	140.00
824	.F.	.T.	.F.	21.5	0.22	165.00
824	.T.	.T.	.F.	21.5	0.25	65.00
825	.F.	.T.	.F.	21.5	0.22	165.00
825	.T.	.T.	.F.	21.5	0.25	65.00
826	.F.	.T.	.F.	21.5	0.22	20.00
826	.T.	.T.	.F.	21.5	0.25	79.00
828	.F.	.T.	.F.	21.5	0.22	165.00
828	.T.	.T.	.F.	21.5	0.25	65.00
832	.F.	.T.	.F.	21.5	0.22	165.00
832	.T.	.T.	.F.	21.5	0.25	65.00
835	.F.	.T.	.F.	17.0	0.19	175.00
836	.F.	.T.	.F.	17.0	0.19	175.00
838	.F.	.T.	.T.	17.5	0.18	175.00
839	.F.	.T.	.T.	17.5	0.18	140.00
842	.F.	.T.	.T.	17.5	0.18	175.00
850	.F.	.T.	.F.	17.0	0.19	175.00
851	.F.	.T.	.F.	17.0	0.19	175.00
853	.F.	.T.	.F.	21.5	0.22	165.00
853	.T.	.T.	.F.	21.5	0.25	65.00
854	.F.	.T.	.F.	17.0	0.19	175.00
855	.F.	.T.	.T.	17.5	0.18	175.00
856	.F.	.T.	.T.	17.5	0.18	175.00
863	.F.	.T.	.F.	21.5	0.22	20.00
863	.T.	.T.	.F.	21.5	0.25	79.00
864	.F.	.T.	.F.	21.5	0.22	165.00
864	.T.	.T.	.F.	21.5	0.25	65.00
865	.F.	.T.	.F.	21.5	0.22	165.00
865	.T.	.T.	.F.	21.5	0.25	65.00
867	.F.	.T.	.T.	17.5	0.18	175.00
868	.F.	.T.	.T.	17.5	0.18	175.00
870	.T.	.T.	.F.	20.0	0.25	75.00
873	.F.	.T.	.F.	17.0	0.19	175.00
877	.F.	.T.	.F.	17.0	0.19	175.00
882	.F.	.T.	.F.	20.0	0.19	165.00
883	.F.	.T.	.F.	20.0	0.19	165.00
884	.F.	.T.	.T.	17.5	0.18	175.00

TABLE 4
MOST COMMON MANUFACTURED HOMES
DOOR CHARACTERISTICS

SGC Model No.	With Window (T/F)	With Thermal Break (T/F)	With Storm Door (T/F)	Door Area (sq ft)	U-Value	Incremental Door Cost (\$)
891	.F.	.T.	.T.	17.5	0.18	175.00
893	.F.	.T.	.T.	17.5	0.18	175.00
894	.F.	.T.	.F.	20.0	0.19	165.00
895	.T.	.T.	.F.	20.0	0.25	75.00
898	.F.	.T.	.F.	20.0	0.19	165.00
900	.F.	.T.	.F.	17.0	0.19	195.00
901	.F.	.T.	.F.	21.5	0.22	165.00
901	.T.	.T.	.F.	21.5	0.25	65.00
902	.F.	.T.	.F.	21.5	0.22	20.00
902	.T.	.T.	.F.	21.5	0.25	79.00
911	.F.	.T.	.T.	17.5	0.18	175.00
913	.T.	.T.	.F.	20.0	0.25	75.00
915	.F.	.T.	.T.	17.5	0.18	175.00
916	.F.	.T.	.T.	17.5	0.18	175.00
918	.F.	.T.	.T.	17.5	0.18	175.00
919	.F.	.T.	.T.	17.5	0.18	190.00
921	.T.	.T.	.F.	20.0	0.25	75.00
922	.T.	.T.	.F.	20.0	0.25	75.00
932	.T.	.T.	.F.	20.0	0.25	75.00
933	.F.	.T.	.F.	21.5	0.22	165.00
937	.F.	.T.	.T.	17.5	0.18	190.00
939	.F.	.T.	.T.	17.5	0.18	190.00
940	.F.	.T.	.T.	17.5	0.18	190.00
944	.T.	.T.	.F.	20.0	0.25	75.00
948	.F.	.T.	.T.	17.5	0.18	190.00
949	.F.	.T.	.T.	35.0	0.25	150.00
950	.F.	.T.	.T.	17.5	0.18	190.00
954	.F.	.T.	.T.	17.5	0.18	150.00

TABLE 5
MOST COMMON
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	Number of Glazings	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
** SGC Model No. 802								
.T.	.F.	.F.	.F.	182.0	14	2	0.75	125.00
** SGC Model No. 804								
.T.	.F.	.F.	.F.	166.0	14	2	0.75	125.00
** SGC Model No. 805								
.T.	.F.	.F.	.F.	140.0	13	2	0.75	125.00
** SGC Model No. 808								
.T.	.F.	.F.	.F.	187.7	13	2	0.75	125.00
** SGC Model No. 809								
.T.	.F.	.F.	.F.	163.6	14	2	0.75	125.00
** SGC Model No. 810								
.T.	.F.	.F.	.F.	193.0	11	2	0.75	175.00
** SGC Model No. 811								
.T.	.F.	.F.	.F.	223.0	14	2	0.75	185.00
** SGC Model No. 813								
.T.	.F.	.F.	.F.	164.8	11	2	0.75	125.00
** SGC Model No. 814								
.T.	.F.	.F.	.F.	133.0	11	2	0.75	125.00
** SGC Model No. 815								
.T.	.F.	.F.	.F.	198.4	15	2	0.75	125.00
** SGC Model No. 816								
.T.	.F.	.F.	.F.	203.0	14	2	0.75	125.00
** SGC Model No. 817								
.T.	.F.	.F.	.F.	128.0	10	2	0.75	125.00
** SGC Model No. 818								
.T.	.F.	.F.	.F.	164.2	12	2	0.75	125.00
** SGC Model No. 820								
.T.	.F.	.F.	.F.	161.6	13	2	0.75	125.00
** SGC Model No. 822								
.T.	.F.	.F.	.F.	195.7	17	2	0.75	125.00

TABLE 5
MOST COMMON
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	Number of Glazings	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
** SGC Model No. 823								
.T.	.F.	.F.	.F.	191.6	12	2	0.75	125.00
** SGC Model No. 826								
.T.	.F.	.F.	.F.	166.0	12	2	0.75	175.00
** SGC Model No. 827								
.T.	.F.	.F.	.F.	223.0	14	2	0.75	185.00
** SGC Model No. 830								
.T.	.F.	.F.	.F.	133.2	11	2	0.75	125.00
** SGC Model No. 831								
.T.	.F.	.F.	.F.	228.0	14	2	0.75	185.00
** SGC Model No. 833								
.T.	.F.	.F.	.F.	169.9	15	2	0.75	125.00
** SGC Model No. 834								
.T.	.F.	.F.	.F.	155.2	10	2	0.75	185.00
** SGC Model No. 840								
.T.	.F.	.F.	.F.	149.0	10	2	0.75	125.00
** SGC Model No. 841								
.T.	.F.	.F.	.F.	165.2	14	2	0.75	125.00
** SGC Model No. 845								
.T.	.F.	.F.	.F.	220.0	12	2	0.75	185.00
** SGC Model No. 847								
.T.	.F.	.F.	.F.	206.1	15	2	0.75	125.00
** SGC Model No. 848								
.T.	.F.	.F.	.F.	204.8	15	2	0.75	125.00
** SGC Model No. 849								
.T.	.F.	.F.	.F.	253.0	18	2	0.75	185.00
** SGC Model No. 852								
.T.	.F.	.F.	.F.	119.5	9	2	0.75	150.00
** SGC Model No. 857								
.T.	.F.	.F.	.F.	239.0	15	2	0.75	185.00

TABLE 5
MOST COMMON
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	Number of Glazings	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
.F.	.F.	.T.	.F.	9.5	1	2	0.70	225.00
** SGC Model No. 858								
.T.	.F.	.F.	.F.	239.0	15	2	0.75	185.00
.F.	.F.	.T.	.F.	9.5	1	2	0.70	225.00
** SGC Model No. 859								
.T.	.F.	.F.	.F.	236.5	15	2	0.75	125.00
** SGC Model No. 860								
.T.	.F.	.F.	.F.	165.6	15	2	0.75	125.00
** SGC Model No. 862								
.T.	.F.	.F.	.F.	171.0	11	2	0.75	185.00
.F.	.F.	.T.	.F.	9.5	1	2	0.70	225.00
** SGC Model No. 863								
.T.	.F.	.F.	.F.	166.0	12	2	0.75	175.00
** SGC Model No. 866								
.T.	.F.	.F.	.F.	206.0	17	2	0.75	185.00
.F.	.F.	.T.	.F.	9.5	1	2	0.70	225.00
** SGC Model No. 869								
.T.	.F.	.F.	.F.	118.7	9	2	0.75	150.00
** SGC Model No. 870								
.T.	.F.	.F.	.F.	239.0	17	2	0.75	495.00
.F.	.F.	.T.	.F.	26.0	2	2	0.85	520.00
** SGC Model No. 871								
.T.	.F.	.F.	.F.	118.7	9	2	0.75	150.00
** SGC Model No. 872								
.T.	.F.	.F.	.F.	165.0	12	2	0.75	125.00
** SGC Model No. 875								
.T.	.F.	.F.	.F.	203.0	14	2	0.75	125.00
** SGC Model No. 876								
.T.	.F.	.F.	.F.	194.0	15	2	0.75	125.00
** SGC Model No. 878								
.T.	.F.	.F.	.F.	220.7	16	2	0.75	185.00

TABLE 5
MOST COMMON
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	Number of Glazings	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
** SGC Model No. 879								
.T.	.F.	.F.	.F.	239.0	15	2	0.75	185.00
.F.	.F.	.T.	.F.	9.5	1	2	0.70	225.00
** SGC Model No. 880								
.T.	.F.	.F.	.F.	370.5	16	2	0.75	185.00
.F.	.F.	.T.	.F.	9.5	1	2	0.70	225.00
** SGC Model No. 881								
.F.	.F.	.T.	.F.	9.5	1	2	0.70	225.00
** SGC Model No. 882								
.T.	.F.	.F.	.F.	121.0	9	2	0.75	250.00
** SGC Model No. 883								
.T.	.F.	.F.	.F.	134.0	10	2	0.75	250.00
** SGC Model No. 886								
.T.	.F.	.F.	.F.	153.3	13	2	0.75	125.00
** SGC Model No. 888								
.T.	.F.	.F.	.F.	165.6	14	2	0.75	125.00
** SGC Model No. 889								
.T.	.F.	.F.	.F.	164.8	12	2	0.75	125.00
** SGC Model No. 890								
.T.	.F.	.F.	.F.	118.7	9	2	0.75	150.00
** SGC Model No. 894								
.T.	.F.	.F.	.F.	147.0	10	2	0.75	250.00
** SGC Model No. 895								
.T.	.F.	.F.	.F.	216.0	15	2	0.75	495.00
.F.	.F.	.T.	.F.	26.0	2	2	0.85	520.00
** SGC Model No. 896								
.T.	.F.	.F.	.F.	157.1	12	2	0.75	125.00
** SGC Model No. 897								
.T.	.F.	.F.	.F.	118.7	9	2	0.75	150.00
** SGC Model No. 898								
.T.	.F.	.F.	.F.	121.0	9	2	0.75	250.00

TABLE 5
MOST COMMON
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	Number of Glazings	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
** SGC Model No. 899								
.T.	.F.	.F.	.F.	240.6	19	2	0.75	125.00
** SGC Model No. 902								
.T.	.F.	.F.	.F.	166.0	12	2	0.75	175.00
** SGC Model No. 903								
.T.	.F.	.F.	.F.	200.9	13	2	0.75	125.00
** SGC Model No. 904								
.T.	.F.	.F.	.F.	157.9	11	2	0.75	125.00
** SGC Model No. 905								
.T.	.F.	.F.	.F.	217.8	15	2	0.75	125.00
** SGC Model No. 906								
.F.	.F.	.T.	.F.	9.5	1	2	0.70	225.00
** SGC Model No. 907								
.T.	.F.	.F.	.F.	207.0	11	2	0.75	125.00
.F.	.F.	.T.	.F.	12.5	2	2	0.70	440.00
** SGC Model No. 912								
.T.	.F.	.F.	.F.	238.5	16	2	0.75	125.00
** SGC Model No. 913								
.F.	.F.	.T.	.F.	10.0	1	2	0.85	205.00
** SGC Model No. 914								
.T.	.F.	.F.	.F.	181.0	13	2	0.75	225.00
.F.	.F.	.T.	.F.	10.0	1	2	0.85	205.00
** SGC Model No. 920								
.T.	.F.	.F.	.F.	166.2	11	2	0.75	125.00
** SGC Model No. 921								
.F.	.F.	.T.	.F.	10.0	1	2	0.85	205.00
** SGC Model No. 922								
.F.	.F.	.T.	.F.	10.0	1	2	0.85	205.00
** SGC Model No. 924								
.T.	.F.	.F.	.F.	239.0	15	2	0.75	185.00
.F.	.F.	.T.	.F.	9.5	1	2	0.70	225.00

TABLE 5
MOST COMMON
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
** SGC Model No. 925							
.T.	.F.	.F.	.F.	239.0	15	2	0.75
.F.	.F.	.T.	.F.	9.5	1	2	0.70
** SGC Model No. 926							
.T.	.F.	.F.	.F.	239.0	15	2	0.75
.F.	.F.	.T.	.F.	9.5	1	2	0.70
** SGC Model No. 928							
.T.	.F.	.F.	.F.	220.7	16	2	0.75
** SGC Model No. 929							
.T.	.F.	.F.	.F.	239.0	15	2	0.75
.F.	.F.	.T.	.F.	9.5	1	2	0.70
** SGC Model No. 930							
.T.	.F.	.F.	.F.	239.0	15	2	0.75
.F.	.F.	.T.	.F.	9.5	1	2	0.70
** SGC Model No. 931							
.T.	.F.	.F.	.F.	239.0	15	2	0.75
.F.	.F.	.T.	.F.	9.5	1	2	0.70
** SGC Model No. 932							
.F.	.F.	.T.	.F.	10.0	1	2	0.85
** SGC Model No. 934							
.F.	.F.	.T.	.F.	9.5	1	2	0.70
** SGC Model No. 936							
.T.	.F.	.F.	.F.	118.7	9	2	0.75
** SGC Model No. 938							
.T.	.F.	.F.	.F.	182.8	14	2	0.75
** SGC Model No. 941							
.T.	.F.	.F.	.F.	239.0	15	2	0.75
.F.	.F.	.T.	.F.	9.5	1	2	0.70
** SGC Model No. 942							
.F.	.F.	.T.	.F.	9.5	1	2	0.70
** SGC Model No. 943							
.T.	.F.	.F.	.F.	220.7	16	2	0.75

TABLE 5
MOST COMMON
GLAZING CHARACTERISTICS

Window (T/F)	Sliding Glass Door (T/F)	Skylight (T/F)	Storm Window (T/F)	Glazing Area (sq ft)	No. of Panels Number of Glazings	No. of Panels Per Glazing	U-Value	Incremental Cost (\$)
** SGC Model No. 944								
.F.	.F.	.T.	.F.	20.0	2	2	0.85	410.00
** SGC Model No. 946								
.T.	.F.	.F.	.F.	220.7	16	2	0.75	185.00
** SGC Model No. 952								
.T.	.F.	.F.	.F.	198.6	15	2	0.75	125.00

TABLE 6
MOST COMMON MANUFACTURED HOMES
OTHER INCREMENTAL COSTS

SGC Model No.	Heating Equipment Cost (\$)	Ventilation Systems Cost (\$)	Infiltration Control Cost (\$)	Moisture Control Cost (\$)	Ductwork Cost (\$)	Total Incremental Costs (\$)
801	0.00	100.00	0.00	0.00	0.00	625.00
802	0.00	0.00	0.00	0.00	0.00	1030.00
803	0.00	0.00	0.00	0.00	0.00	1535.00
804	0.00	0.00	0.00	0.00	0.00	1225.00
805	0.00	0.00	0.00	0.00	0.00	1165.00
806	0.00	65.00	0.00	0.00	0.00	656.00
807	0.00	65.00	0.00	0.00	0.00	656.00
808	0.00	0.00	0.00	0.00	0.00	1325.00
809	0.00	0.00	0.00	0.00	0.00	1379.00
810	0.00	0.00	0.00	0.00	0.00	635.00
811	0.00	40.00	0.00	0.00	0.00	585.00
812	0.00	100.00	0.00	40.00	0.00	665.00
813	0.00	0.00	0.00	0.00	0.00	1107.00
814	0.00	0.00	0.00	0.00	0.00	1005.00
815	0.00	0.00	0.00	0.00	0.00	1225.00
816	0.00	0.00	0.00	0.00	0.00	1223.00
817	0.00	0.00	0.00	0.00	0.00	1100.00
818	0.00	0.00	0.00	0.00	0.00	1378.00
819	0.00	80.00	0.00	0.00	0.00	450.00
820	0.00	0.00	0.00	0.00	0.00	1146.00
822	0.00	0.00	0.00	0.00	0.00	1278.00
823	0.00	0.00	0.00	0.00	0.00	1167.00
824	0.00	65.00	0.00	0.00	0.00	656.00
825	0.00	65.00	0.00	0.00	0.00	656.00
826	0.00	0.00	0.00	0.00	0.00	544.00
827	0.00	80.00	0.00	0.00	0.00	625.00
828	0.00	65.00	0.00	0.00	0.00	656.00
829	0.00	80.00	0.00	0.00	0.00	450.00
830	0.00	0.00	0.00	0.00	0.00	1030.00
831	0.00	40.00	0.00	0.00	0.00	625.00
832	0.00	65.00	0.00	0.00	0.00	656.00
833	0.00	0.00	0.00	0.00	0.00	1344.00
834	0.00	80.00	0.00	0.00	0.00	625.00
835	0.00	90.00	0.00	0.00	0.00	460.00
836	0.00	90.00	0.00	0.00	0.00	460.00
838	0.00	100.00	0.00	54.00	0.00	779.00
839	0.00	100.00	0.00	54.00	0.00	1209.00
840	0.00	0.00	0.00	0.00	0.00	1117.00
841	0.00	0.00	0.00	0.00	0.00	1100.00
842	0.00	100.00	0.00	54.00	0.00	779.00
843	0.00	0.00	0.00	54.00	0.00	54.00
844	0.00	80.00	0.00	0.00	0.00	450.00
845	0.00	40.00	0.00	0.00	0.00	625.00
847	0.00	0.00	0.00	0.00	0.00	1325.00

TABLE 6
MOST COMMON MANUFACTURED HOMES
OTHER INCREMENTAL COSTS

SGC Model No.	Heating Equipment Cost (\$)	Ventilation Systems Cost (\$)	Infiltration Control Cost (\$)	Moisture Control Cost (\$)	Ductwork Cost (\$)	Total Incremental Costs (\$)
848	0.00	0.00	0.00	0.00	0.00	1325.00
849	0.00	40.00	0.00	0.00	0.00	625.00
850	0.00	90.00	0.00	0.00	0.00	460.00
851	0.00	90.00	0.00	0.00	0.00	460.00
852	0.00	80.00	0.00	0.00	0.00	600.00
853	0.00	65.00	0.00	0.00	0.00	656.00
854	0.00	90.00	0.00	0.00	0.00	460.00
855	0.00	90.00	0.00	40.00	0.00	630.00
856	0.00	92.00	0.00	40.00	0.00	692.00
857	0.00	40.00	0.00	0.00	0.00	850.00
858	0.00	40.00	0.00	0.00	0.00	850.00
859	0.00	0.00	0.00	0.00	0.00	1379.00
860	0.00	0.00	0.00	0.00	0.00	1100.00
861	0.00	0.00	0.00	40.00	0.00	40.00
862	0.00	40.00	0.00	0.00	0.00	850.00
863	0.00	0.00	0.00	0.00	0.00	544.00
864	0.00	65.00	0.00	0.00	0.00	656.00
865	0.00	65.00	0.00	0.00	0.00	656.00
866	0.00	80.00	0.00	0.00	0.00	850.00
867	0.00	90.00	0.00	40.00	0.00	755.00
868	0.00	92.00	0.00	40.00	0.00	757.00
869	0.00	80.00	0.00	0.00	0.00	625.00
870	0.00	0.00	0.00	0.00	0.00	2285.00
871	0.00	80.00	0.00	0.00	0.00	625.00
872	0.00	0.00	0.00	0.00	0.00	1076.00
873	0.00	90.00	0.00	0.00	0.00	460.00
874	0.00	80.00	0.00	0.00	0.00	450.00
875	0.00	0.00	0.00	0.00	0.00	1322.00
876	0.00	0.00	0.00	0.00	0.00	1400.00
877	0.00	90.00	0.00	0.00	0.00	505.00
878	0.00	40.00	0.00	0.00	0.00	620.00
879	0.00	40.00	0.00	0.00	0.00	850.00
880	0.00	40.00	0.00	0.00	0.00	850.00
881	0.00	80.00	0.00	0.00	0.00	955.00
882	0.00	0.00	0.00	0.00	0.00	717.00
883	0.00	0.00	0.00	0.00	0.00	763.00
884	0.00	92.00	0.00	40.00	0.00	632.00
885	0.00	80.00	0.00	0.00	0.00	450.00
886	0.00	0.00	0.00	0.00	0.00	1130.00
887	0.00	80.00	0.00	0.00	0.00	730.00
888	0.00	0.00	0.00	0.00	0.00	1146.00
889	0.00	0.00	0.00	0.00	0.00	1130.00
890	0.00	80.00	0.00	0.00	0.00	625.00
891	0.00	92.00	0.00	40.00	0.00	757.00
892	0.00	80.00	0.00	0.00	0.00	450.00

TABLE 6
MOST COMMON MANUFACTURED HOMES
OTHER INCREMENTAL COSTS

SGC Model No.	Heating Equipment Cost (\$)	Ventilation Systems Cost (\$)	Infiltration Control Cost (\$)	Moisture Control Cost (\$)	Ductwork Cost (\$)	Total Incremental Costs (\$)
893	0.00	95.00	0.00	40.00	0.00	770.00
894	0.00	0.00	0.00	0.00	0.00	670.00
895	0.00	0.00	0.00	0.00	0.00	2285.00
896	0.00	0.00	0.00	0.00	0.00	1187.00
897	0.00	80.00	0.00	0.00	0.00	625.00
898	0.00	0.00	0.00	0.00	0.00	717.00
899	0.00	0.00	0.00	0.00	0.00	1384.00
900	0.00	90.00	0.00	0.00	0.00	480.00
901	0.00	65.00	0.00	0.00	0.00	656.00
902	0.00	0.00	0.00	0.00	0.00	544.00
903	0.00	0.00	0.00	0.00	0.00	1217.00
904	0.00	0.00	0.00	0.00	0.00	1814.00
905	0.00	0.00	0.00	0.00	0.00	1217.00
906	0.00	80.00	0.00	0.00	0.00	955.00
907	0.00	0.00	0.00	0.00	0.00	1000.00
908	0.00	90.00	0.00	40.00	0.00	395.00
909	0.00	80.00	0.00	0.00	0.00	450.00
910	0.00	0.00	0.00	40.00	0.00	40.00
911	0.00	90.00	0.00	40.00	0.00	630.00
912	0.00	0.00	0.00	0.00	0.00	1496.00
913	0.00	0.00	0.00	0.00	0.00	1445.00
914	0.00	0.00	0.00	0.00	0.00	1370.00
915	0.00	90.00	0.00	54.00	0.00	1094.00
916	0.00	90.00	0.00	54.00	0.00	1094.00
917	0.00	0.00	0.00	0.00	0.00	1193.00
918	0.00	90.00	0.00	40.00	0.00	630.00
919	0.00	90.00	0.00	50.00	0.00	655.00
920	0.00	0.00	0.00	0.00	0.00	1060.00
921	0.00	0.00	0.00	0.00	0.00	1250.00
922	0.00	0.00	0.00	0.00	0.00	1250.00
923	0.00	0.00	0.00	0.00	0.00	940.00
924	0.00	40.00	0.00	0.00	0.00	850.00
925	0.00	40.00	0.00	0.00	0.00	850.00
926	0.00	40.00	0.00	0.00	0.00	850.00
927	0.00	0.00	0.00	0.00	0.00	970.00
928	0.00	40.00	0.00	0.00	0.00	620.00
929	0.00	40.00	0.00	0.00	0.00	850.00
930	0.00	40.00	0.00	0.00	0.00	850.00
931	0.00	40.00	0.00	0.00	0.00	850.00
932	0.00	0.00	0.00	0.00	0.00	1160.00
933	0.00	65.00	0.00	0.00	0.00	656.00
934	0.00	80.00	0.00	0.00	0.00	955.00
935	0.00	80.00	0.00	0.00	0.00	739.00
936	0.00	80.00	0.00	0.00	0.00	625.00
937	0.00	90.00	0.00	50.00	0.00	780.00

TABLE 6
MOST COMMON MANUFACTURED HOMES
OTHER INCREMENTAL COSTS

SGC Model No.	Heating Equipment Cost (\$)	Ventilation Systems Cost (\$)	Infiltration Control Cost (\$)	Moisture Control Cost (\$)	Ductwork Cost (\$)	Total Incremental Costs (\$)
938	0.00	0.00	0.00	0.00	0.00	1279.00
939	0.00	90.00	0.00	50.00	0.00	715.00
940	0.00	90.00	0.00	50.00	0.00	780.00
941	0.00	40.00	0.00	0.00	0.00	850.00
942	0.00	80.00	0.00	0.00	0.00	990.00
943	0.00	40.00	0.00	0.00	0.00	620.00
944	0.00	0.00	0.00	0.00	0.00	1685.00
946	0.00	40.00	0.00	0.00	0.00	620.00
947	0.00	0.00	0.00	50.00	0.00	825.00
948	0.00	90.00	0.00	50.00	0.00	780.00
949	0.00	0.00	0.00	50.00	0.00	1115.00
950	0.00	90.00	0.00	50.00	0.00	780.00
951	0.00	0.00	0.00	0.00	0.00	1254.00
952	0.00	0.00	0.00	0.00	0.00	1285.00
953	0.00	0.00	0.00	0.00	0.00	1967.00
954	0.00	0.00	0.00	50.00	0.00	1115.00