PERMIT

CITY OF NAPOLEON - BUILDING DEPARTMENT

255 West Riverview Avenue, Napoleon, Ohio 43545 - 419-592-4010

Permit No. 01866 Issued 10-25-89 (date)

Job Location 882 E. Graceway St. (address)

Lot 9 Richter's 3rd Addition (sub-div or legal discript)

Issued By Eldon Huber (building official)

Owner Charlie O. Quinn 592-4098 (name / tel.)

Address 882 E. Graceway Street

Agent SELF (builder-eng.-etc.) (tel.)

Address SAME

Description of Use Residence

Residential 1 (no. dwelling units)

Commercial ____ Industrial ____

New ____ Add'n. X Alter ____ Remodel ____

Mixed Occupancy ____

Change of Occupancy ____

Estimated Cost $ 4079.00

FEES	BASE	PLUS	TOTAL
[X] BUILDING	9.00	38.00	47.00
[ ] ELECTRICAL			
[ ] PLUMBING			
[ ] MECHANICAL			
[ ] DEMOLITION			
[ ] ZONING			
[ ] SIGN			
[ ] WATER TAP			
SEW. INSP.			
SEWER TAP			
TEMP. WATER			
TEMP. ELECT.			

ADDITIONAL PLAN REVIEW: Struct. ____ hrs ____ Elect. ____ hrs ____

TOTAL FEES 47.00

LESS MIN. FEES PAID ____ (date) ____

BALANCE DUE .....

ZONING INFORMATION

district	lot dimensions	area	front yd	side yds	rear yd
A	74.27' X 98.75'	7334			

max hgt	no pkg spaces	no ldg spaces	max cover	petition or appeal req'd	date appr
35'	2-min		35%		

WORK INFORMATION:

Size: Length ____ Width ____ Stories ____ Ground Floor Area ____

Height ____ Building Volume (for demo. permit) ____ cu. ft.

Electrical: ____ (brief description)

Plumbing: ____ (brief description)

Mechanical: ____ (brief description)

Sign: ____ (type) Dimensions ____ Sign Area ____

Additional Information: Will be adding a sun-porch over an existing patio

.32" DEEP 12" WIDE FOUNDATION REQUIRED.

PAID

OCT 25 1989

CITY OF NAPOLEON

Date 10/24/89 Applicant Signature Charlie O Quinn (owner-agent)

White-Building Department Yellow-Applicant Pink-Electrical Inspector Green-Clerk-Treasurer Gold-County Auditor

INSPECTION RECORD

	UNDERGROUND			ROUGH-IN						FINAL		
	Type	Date	By	Type	Date	By	Type	Date	By	Type	Date	By
PLUMBING	Building Drains			Drainage, Waste & Vent Piping			Indirect Waste			Drainage, Waste & Vent Piping		
	Water Piping									Backflow Prevention		
	Building Sewer			Water Piping			Condensate Lines			Water Heater		
	Sewer Connection									FINAL APPROVAL		
MECHANICAL	Refrigerant Piping			Refrigerant Piping			Chimney(s)			Grease Exhaust System		
				Duct Furnace(s)			Fire Dampers			Air Cond. Unit(s)		
	Ducts/ Plenums			Ducts/ Plenums			☐ Radiant Htr(s) ☐ Unit Htr(s)			Refrigeration Equipment		
				Duct Insulation			Pool Heater			Furnace(s)		
				Combustion Products Vents			Ventilation ☐ Supply ☐ Exhst.			FINAL APPROVAL		
ELECTRICAL	Conduits & or Cable			Conduits/ Cable			☐ Range ☐ Dryer			Temp Service Temp Lighting		
	Grounding & or Bonding			Rough Wiring			☐ Generator(s) ☐ Motors			Fixtures Lampholders		
	Floor Ducts Raceways			Service Panel Switchboard			☐ Water Htr ☐ Welder			Signs		
	Service Conduit			Busways Ducts			☐ Heaters ☐ Heat Cable			Electric Mtr. Clearance		
	Temporary Power Pole			Subpanels			☐ Duct Htr(s) ☐ Furnace(s)			FINAL APPROVAL		
BUILDING	Location, Set-backs, Esmt(s)			Exterior Wall Construction			Roof Covering Roof Drainage			Smoke Detector		
	Excavation						Exterior Lath			Demolition (sewer cap)		
	Footings & Reinforcing						☐ Interior Lath ☐ Wallboard					
	Floor Slab			Interior Wall Construction			Fire Wall(s)			Building or Structure		
	Foundation Walls			Columns & Supports			Fireplace Chimney					
	Sub-soil Drain			Crawl Space ☐ Vent ☐ Access			Attic ☐ Vent ☐ Access					
	Piles			Floor System(s)						FINAL APPROVAL BLDG. DEPT.		
				Roof System			Special Insp Reports Rec'd			Certificate of Occupancy Issued		

ADDITIONAL	INSPECTIONS, CORRECTIONS, ETC.			INSPECTIONS, CORRECTIONS, ETC.		

APPLICATION
for
RESIDENTIAL BUILDING, ELECTRICAL, PLUMBING, MECHANICAL, PERMITS and DEMOLITION PERMIT
from the
CITY OF NAPOLEON - BUILDING DEPARTMENT
255 West Riverview Ave. Napoleon, Ohio 43545 Pn. 419-592-4010

Entry No. _____

Permit No. 01866 Issued 10-25-89

Job Location 882 E Graceway St

Lot 9 Richter's 3rd Add
sub-div. or legal disc.

Issued By _____
building official

Owner Charlie O Quinn Pn 592-4098

Address 882 E Graceway St.

Agent Self Pn _____

Address Same

Description of Use RESIDENCE

Residential 1
no. dwelling units

Commercial _____ Industrial _____

New _____ Add'n. X Alter _____ Remodel _____

Mixed Occupancy None

Change of Occupancy None

Estimated Cost $ 4,079 00

-ZONING INFORMATION

district	lot dimensions	area	front yd	side yds.	rear yd
A	75.27' x 98.75'	7337			

max hgt	no pkg spaces	no ldg spaces	max cover	petition or appeal req'd.	date appr
35'	2-min		35%		

	Ck.	Permits Req.	Fees Base	Fees Plus	Total
	X	Building	9.00	38.00	47.00
		Electrical			
		Plumbing			
		Mechanical			
		Demolition			
		Zoning			
		Sign			
		Water tap			
		Sewer Tap			
		Temp. Water			
		Temp. Elec.			

Additional plan review: struc. _____ hrs _____ Elect. _____ hrs _____

Total Fees..... 47.00

Less Min. Fees Pd. _____ date _____

Balance Due..... _____

WORK INFORMATION:
BUILDING:

Garage Fl. Area _____ Basement Fl. Area _____ Second Floor Area _____

Size: Length _____ Width _____ Stories _____ Ground Floor Area _____

Height _____ Building Volume (for demo. permit) _____ cu. ft.

Description of Work: Will be adding a Sun-Porch over an existing patio

PAID
OCT 25 1989
CITY OF NAPOLEON

Continue on Back Side for Electrical, Plumbing and Mechanical and other Information:

ELECTRICAL: Electrical Contractor _____ Pn. _____

Address _____ Estimated Cost $_____

Type of work: New _____ Service change _____ Rewiring _____ Additional Wiring _____ Temp. Elec. Req. _____ yes _____ no

Size of service _____ Underground _____ Overhead _____ No. of new circuits _____

Description of work: _____

PLUMBING: Plumbing Contractor _____ Pn. _____

Address _____ Estimated Cost $_____

Water Tap Req. _____ yes _____ no Size _____ Type of Pipe _____ Water Dist. Pipe _____ type

San. Sewer Tap Req. _____ yes _____ no Size _____ Type of Pipe _____ Dr.Waste Vt.Pipe _____ type

St. Sewer Tap Req. _____ yes _____ no Size _____ Type of Pipe _____ Street to be Opened _____ yes ____ no

Main Building Drain Size _____ Main Vent Pipe Size _____ List Number of Plumbing Fixtures Below

Water Closets _____ Bathtubs _____ Showers _____ Lavatories _____ Kitchen Sinks _____ Disposal ____ Dishwasher _____ Clothes Washer ____

Floor Drains _____ Other Fixtures: Type _____ No. ____

Description of Work: _____

MECHANICAL: Mechanical Contractor _____ Pn. _____

Address _____ Estimated Cost _____

Heating System: Forced Air _____ Gravity _____ Hot Water _____ Steam _____ Unit Heaters _____ Radiant _____ Baseboard _____

Type of Fuel: Electric ____ Natural Gas ____ Propane ____ Wood ___ Coal ___ Solar ___ Geothermal ___ Other _____

No. of Heat.Zones _____ Hot Water: (One Pipe ___ Two Pipe ___ Series Loop ___) Electric Heat: (No of Circuits _____) No. of Furnaces ____

No. of Hot Air Runs _____ No. of Hot Water Radiators _____ Total Heat Loss _____ Rated Capacity of Furnace/Boiler _____

Location of Heating Units: Crawl Space ___ Floor Level ___ Attic ___ Suspended ___ Roof ___ Outside ___ Other _____

Description of Work _____

DRAWINGS REQUIRED: All Applications must be Accompanied by Two Complete sets of Drawings Including SITE PLAN, FOUNDATION PLAN, FLOOR PLANS, STRUCTURAL FRAMING PLANS, EXTERIOR ELEVATIONS, SECTIONS and DETAILS, STAIR DETAILS, ELECTRICAL LAYOUT, PLUMBING ISOMETRIC, HEATING LAYOUT ETC. All plans shall be DRAWN TO SCALE. Show all existing structures on the site plan also, show Electric Panel and Furnace Locations.

READ AND SIGN BELOW; The undersigned hereby makes application for a permit for all work described herein, and agrees to complete the work in strict accordance with all applicable provisions of the current edition of the C.A.B.O. Building Code, the Napoleon Building and Zoning Codes, the Napoleon Engineering Dept. Rules and Regulations, Standard Specifications and other Pertinent Sections of the Napoleon Code of Ordinances.

Date 10/24/89 Signature of Applicant Charles Ogden

Application not valid without signature

BUILDING 10 YRS

C&I ENGINEERING

CHEMICAL & INDUSTRIAL ENGINEERING, INC.

11003 BLUEGRASS PARKWAY • SUITE 610 • LOUISVILLE, KY 40299
(502) 267-4485

February 13, 1989

Mr. Dean Schwartz
SUNBEAM STRUCTURES, INC.
Vegetable Factory
71 Vanderbilt Avenue
New York, NY 10169

Subject: Sunbeam Structures Sunporch Model

Mr. Schwartz:

We have performed a structural evaluation of the Sunbeam Structures Sunporch Model Sunspaces. The models evaluated were lean-to models with projections up to 15 feet and free-standing structures with widths up to 24 feet.

The glazing panels of all models are constructed of polymer sheet materials bonded to an aluminum structural framework. The panels are affixed to the framework with stainless steel screws.

The basic models are lean-to models with projections up to 12 feet and free-standing structures with widths up to 18 feet and have an aluminum tubular frame structure with arch members on 3 feet centers. The roof slopes of the free-standing and lean-to models are 3:12 and 2:12 respectively. The framework is composed of 1-1/2" x 2-1/2" tubular arches with a .125" wall thickness, except for the frontwall arches of the lean-to structures which have a variable thickness from .125" to .0625". The free-standing models have a knee brace at the eave joint.

Also, we have evaluated a free-standing model with a width of 24 feet and a lean-to model with a projection of 15 feet. The models have an aluminum tubular frame structure with arch members on 3 feet centers. The framework is composed of 1-1/2" x 3" tubular arches with a .125" wall thickness. Both models have a knee brace at the eave joint and the free-standing model has several truss members in its roof.

Design evaluations were performed using the load requirements for greenhouses in the 1985 Uniform Building Code. The structural design conforms to the design load requirements of that code.

In addition, we have performed a structural evaluation of lean-to models with projections of 12 feet and 9 feet using a 30 pounds/sq.ft. live load and other load requirementsa of the 1985 Uniform Building Code. These models have an aluminum tubular frame structure with arch members on 3 feet centers.

LTFEB13.SM

C&I
ENGINEERING

These arch members have a knee brace at the eave joint. The 9' lean-to framework is composed of 1-1/2" x 2-1/2" tubular arches with the roof arch having a .125" wall thickness and the frontwall arches having a variable thickness from .125" to .0625". The 12' lean-to framework is composed of 1-1/2" x 3" tubular arches with a .125" wall thickness. The models described remained within Code allowable stresses under the applied load.

Significant deflection of the greenhouse roof may occur when under the full design loads, but when the load is removed, no permanent deformation should remain and the serviceability of the structure should not be affected.

While the structure must be properly anchored to prevent slippage or uplift, no footers or foundations are required to support the structure.

Furthermore, we have examined vendor information from Rohm & Haas (Plexiglass DR) for the polymer sheet material used in the sunporch glazing panels for compliance with the requirements of the Uniform Building Code and the Kentucky and Ohio Building Codes.

These building codes permit the use of plastics as light-transmitting materials in buildings and structures which meet the following requirements:

Flame Spread	< 2.5 in/min	ASTM D-635
Smoke Density Rating	≤ 450	ASTM E-84
or,	≤ 75	ASTM D-2843
Self Ignition Temperature	≥ 650 degrees F	

Rohm & Haas Plexiglass DR exhibits the characteristics indicated below:

Flame Spread	1.5 in/min	ASTM D-635
Smoke Density Rating	71	ASTM D-2843
Self Ignition Temperature	740 degrees F	

These material characteristics are normally acceptable under the building codes cited above for use as light-transmitting materials.

Sincerely,

Steve Hartstern

Steve Hartstern, P.E.
Chief Structural Engineer

SH:bs

LTFEB13.SM

Model S1218 Shown

Unique & Affordable Sun-Porch™

America's First and Only Greenhouse and Screenhouse Combination!

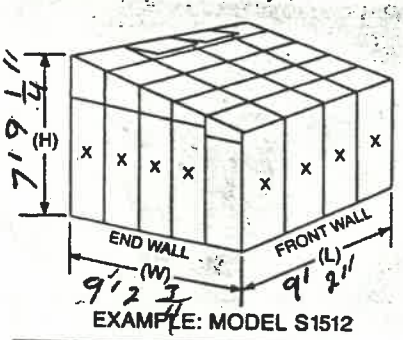
Today's The Day to have the convertible sun space you always wanted someday. The Sun-Porch makes the dream of a warm winter sun room and a breezy summer screen room possible, practical, irresistable. Whatever your dream, it's now a reality.

At Last, a true solar sun space that's low cost, shatter-resistant, and energy saving. A do-it-yourselfer's dream, you can install it yourself, with no contractors, no costly footings, or special skills required. It mounts readily on concrete, wood decks, or grass surfaces with inexpensive landscape ties. It can help heat your home as a passive solar collector, and makes an ideal entry-way, foyer, or windbreak. It will brighten your life for sitting, eating, leisure, exercise, or as a spa/hot tub enclosure. You can grow fresh vegetables and pretty flowers all year-round. And best of all, you can convert it to a screened bug-free Florida room for summer living.

FRAMEWORK—Heavy-duty extruded aluminum in architectural bronze, PPG enamel 25 year finish. All hardware is 18/8 stainless.
GLAZING—High-impact shatter-resistant Plexiglas® DR® double-wall with 1" air space. UV-Treated to resist discoloration under long term exposure to the most severe weather. Front and end walls glazed glass-clear, roof glazed in bronze-tint.
STORM/SCREEN DOOR—May be placed in any front or end wall area. (For 3' wide model, front wall only.) Door mounts hinged right or left, swings outward. Double wall winter panel is included.
VENTING—Manual screened vent(s) may be placed in any roof position.
SCREEN PACKAGE (Optional)—Aluminum framed screens replace all glazed panels in front and end walls. A unique option, for now or later. Makes it a versatile year-round living space.

Extra Door: Replaces any panel marked X in sketch. Cat. #DKC/XPL $275.00
Extra Vents: Roof—Replaces standard 3' x 3' panel. Cat. #RVM1B/XPL $150.00
Front or End Wall—Any panel area marked X in sketch. Cat.#WV18C/XPL $145.00
Automatic Solar Vent: Replaces manual roof vent. Cat. #RVS1B/XPL $100.00
Door Lock: Push-button lock replacement cylinder. Cat. #DL $10.00
Custom Lengths: Longer sized structure reduced. Contact us for added charge.
Custom Widths: Reduced on wall attachment end. Contact us for added charge.
Custom Heights: Structure raised or lowered. Contact us for added charge.
End Wall Omissions: Contact us for credits on panels omitted.

Example: Structure shown is 12'2" Long (L), 15'2¾" wide (W). It includes 4 front wall bays, 5 end wall bays, 2 roof vents, and a storm/screen combination door. The door may be placed in any front or end wall area marked with an X. Vents may be placed in any roof bay by switching panel positions. Screens are placed in all front and end wall bays.



EXAMPLE: MODEL S1512

End Wall (Corner) Mounting: By not attaching panels, you can provide for a direct entrance from your home.

STANDARD LEAN-TO MODELS

Front Eave 6' 6¼" H — Door Opening 33" W x 6'4" H

ROOF SLOPE 2' / 12'	LENGTH (L)	FRONT WALL BAYS	MODEL NUMBER	ROOF VENTS	SHIPPING WT. (LBS.)	UNIT PRICE	SUMMER SCREEN PACKAGE MODEL NUMBER	SUMMER SCREEN PACKAGE UNIT PRICE
S3000J2 SERIES 3'2¾" Wide (W) X 7' 2⅞" High (H)	6'2"	2	S3006J2	1	215	$ 1785.	P36J	$170.
	9'2"	3	S3009J2	1	255	2265.	P39J	210.
	12'2"	4	S3012J2	2	335	2749.	P312J	300.
	15'2"	5	S3015J2	2	375	3229.	P315J	340.
	18'2"	6	S3018J2	3	455	3715.	P318J	430.
S6000J2 SERIES 6' 2¾" Wide (W) X 7' 9¼" High (H)	6'2"	2	S6006J2	1	325	2555.	P66J	255.
	9'2"	3	S6009J2	1	385	3135.	P69J	310.
	12'2"	4	S6012J2	2	475	3719.	P612J	385.
	15'2"	5	S6015J2	2	535	4299.	P615J	440.
	18'2"	6	S6018J2	3	625	4885.	P618J	515.
S9000J2 SERIES 9'2¾" Wide (W) X 8' 3⅝" High (H)	6'2"	2	S9006J2	1	425	3379.	P96J	350.
	9'2"	3	S9009J2	1	495	4079.	P99J	395.
	12'2"	4	S9012J2	2	600	4785.	P912J	480.
	15'2"	5	S9015J2	2	670	5485.	P915J	525.
	18'2"	6	S9018J2	3	775	6189.	P918J	610.
S1200J2 SERIES 12' 2¾" Wide (W) X 8' 10" High (H)	6'2"	2	S1206J2	1	530	4219.	P126J	435.
	9'2"	3	S1209J2	1	605	5045.	P129J	480.
	12'2"	4	S1212J2	2	690	5875.	P1212J	565.
	15'2"	5	S1215J2	2	765	6699.	P1215J	610.
	18'2"	6	S1218J2	3	850	7529.	P1218J	695.
S1500J2 SERIES	6'2"	2	S1506J2	1	650	5255.	P156J	520.
	9'2"	3	S1509J2	1	740	6309.	P159J	605.

FREE

SHIPPING INFORMATION

Greenhouses shipped F.O.B. Factory, Louisville, KY, by common carrier, freight charges collect upon delivery. Allow 4-6 weeks from date order is processed. To estimate charges, use chart below. When your greenhouse leaves our factory, you will be advised in writing, giving you the carrier's name, and local telephone number to call to arrange a mutually convenient d
You must be present on arrival to assist in unloading.

ESTIMATED FACTORY-SHIPPED RATES (F.O.B. LOUISVILLE, KY.) ITE
38440 SUB 2 CLASS 85

Distance in Miles	100	200	300	400	500	750	1000
Rates Per Lb.	18¢	20¢	21¢	23¢	24¢	28¢	30¢