

PERMIT

CITY OF NAPOLEON, OHIO — DEPT. OF BUILDING & ZONING
255 W. Riverview Avenue, Napoleon, Ohio 43545 (419) 592-4010

Permit No. 222 Date April 3, 1981
Job Location 469 W. Maumee Valuation \$ 230.00
Owner Harold Ludemann Address 469 W. Maumee
Contractor Harold Ludemann Telephone No. _____
Address 469 W. Maumee, Napoleon, Ohio
Electric Contractor _____
Plumbing Contractor _____
Mechanical Contractor _____

This permit is issued for work described in the plans, specifications, and/or application submitted, as approved by the Building Commissioner of the City of Napoleon, Ohio. Work shall conform to all pertinent construction and land use Codes and Ordinances.

Work Information:

Residential Commercial _____ Industrial _____
New Construction _____ Addition _____ Remodel
Brief Description of Work Replace porch

ISSUED BY Richard A. Hayman DEPT. OF BUILDING & ZONING
Building Official

It is the owners or contractors responsibility to call the Building Department for the following (X) inspections:

- _____ Footing excavation prior to placing concrete.
- _____ Footing drains and foundation prior to backfill.
- _____ Prepared sub-grade prior to placing concrete floor slab.
- _____ Sanitary sewer
- _____ Rough-in electrical, plumbing and service framing prior to installing wall board.
- _____ Final electrical, plumbing and heating.
- Final building inspection, prior to occupancy.

PERMIT & FEES

Building Permit	\$ <u>3.00</u>
Electrical Permit	\$ _____
Plumbing Permit	\$ _____
Mechanical Permit	\$ _____
Demolition Permit	\$ _____
Zoning Permit	\$ _____
Sign Permit	\$ _____
Water Tap	\$ _____
Sewer Tap	\$ _____
Temp. Elec.	\$ _____
Other	\$ _____
TOTAL FEES	\$ <u>3.00</u>
LESS FEES PAID	\$ <u>-0-</u>
BALANCE DUE	\$ <u>3.00</u>

PAID
APR 3 1981
CITY OF NAPOLEON

Permit is not valid until all fees are paid in full, and shall be void if work is not started within six months of date above.

CITY OF NAPOLEON
BUILDING INSPECTION DEPARTMENT
APPLICATION FOR BUILDING PERMIT
(Please print or type)

The undersigned hereby makes application for construction, installation, or alteration work as herein specified, agreeing to do all such work in strict accordance with the City of Napoleon's adopted Building Codes.

Location of project Front Porch Cost of project \$230.00
Owner's Name Harold Ledemann Address 4169 W Maumee
Contractor myself Telephone No. NO PHONE
Address _____

Lot Information: (Not required for siding job)

Lot No. _____ Subdivision _____
Zoning District _____ Lot Size _____ ft. X _____ ft. Area _____ sq. ft.
Setbacks: Front _____ Right Side _____ Left Side _____ Rear _____

Work Information:

Residential Commercial _____ Industrial _____
New Construction _____ Addition _____ Remodel
Accessory Building _____ Siding _____ (Specific Type)

Brief Description of Work: put in new porch

Replace [↑]

Size: Length 18'3" Width 7'1" No. of Stories _____
Area: 1st Floor _____ sq. ft. Basement _____ sq. ft.
2nd Floor _____ sq. ft. Accessory Bldg. _____ sq. ft.
3rd Floor _____ sq. ft. Other _____ sq. ft.

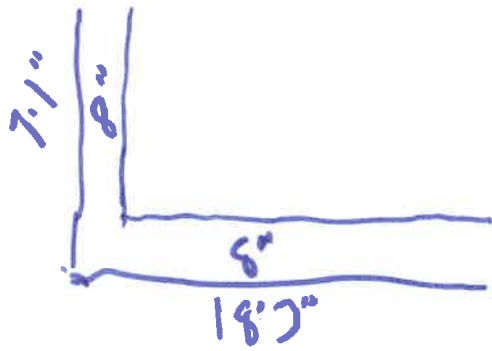
Additional Information: Wrought Iron Posts

APPLICATION FOR PERMIT SHALL BE ACCOMPANIED BY TWO COMPLETE SETS OF PLANS INCLUDING: ELEVATIONS, FLOOR PLANS, CROSS SECTIONS AND PLOT PLAN. IF ADDITION OR REMODELING, SHOW ALL EXISTING STRUCTURES AND THEIR SIZE AND LOCATION. ALL PLANS SHALL BE DRAWN TO SCALE.

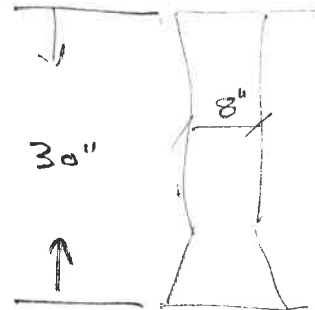
Date 4-2-81 Applicant's Signature Harold J. Ledemann

222

207



30" Deep



PERMIT

CITY OF NAPOLEON, OHIO — DEPT. OF BUILDING & ZONING
255 W. Riverview Avenue, Napoleon, Ohio 43545 (419) 592-4010

Permit No. 222 Date April 3, 1981
Job Location 469 W. Maumee Valuation \$ 230.00
Owner Harold Ludemann Address 469 W. Maumee
Contractor Harold Ludemann Telephone No. _____
Address 469 W. Maumee, Napoleon, Ohio
Electric Contractor _____
Plumbing Contractor _____
Mechanical Contractor _____

This permit is issued for work described in the plans, specifications, and/or application submitted, as approved by the Building Commissioner of the City of Napoleon, Ohio. Work shall conform to all pertinent construction and land use Codes and Ordinances.

Work Information:

Residential Commercial _____ Industrial _____
New Construction _____ Addition _____ Remodel
Brief Description of Work Replace porch

ISSUED BY _____ DEPT. OF BUILDING & ZONING

It is the owners or contractors responsibility to call the Building Department for the following (X) inspections:

- _____ Footing excavation prior to placing concrete.
- _____ Footing drains and foundation prior to backfill.
- _____ Prepared sub-grade prior to placing concrete floor slab.
- _____ Sanitary sewer
- _____ Rough-in electrical, plumbing and service framing prior to installing wall board.
- _____ Final electrical, plumbing and heating.
- Final building inspection, prior to occupancy.

PERMIT & FEES

Building Permit	\$ <u>3.00</u>
Electrical Permit	\$ _____
Plumbing Permit	\$ _____
Mechanical Permit	\$ _____
Demolition Permit	\$ _____
Zoning Permit	\$ _____
Sign Permit	\$ _____
Water Tap	\$ _____
Sewer Tap	\$ _____
Temp. Elec.	\$ _____
Other _____	\$ _____
TOTAL FEES	\$ <u>3.00</u>
LESS FEES PAID	\$ <u>-0-</u>
BALANCE DUE	\$ <u>3.00</u>

PAID
APR 3 1981
CITY OF NAPOLEON

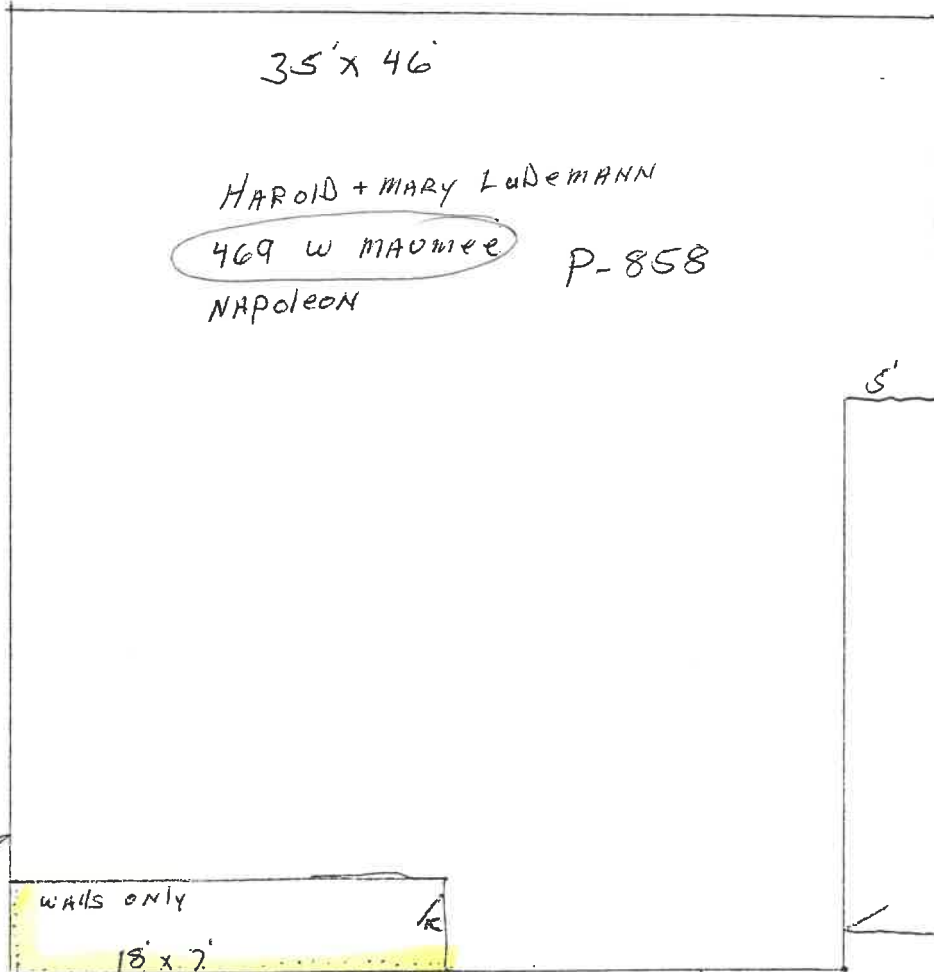
Permit is not valid until all fees are paid in full, and shall be void if work is not started within six months of date above.

INSPECTION RECORD

UNDERGROUND		ROUGH-IN &			FINAL	
Type	Date	By	Type	Date	By	Date
PLUMBING	Sewer Connection		Drainage, W. & Vent			Drainage, W. & Vent
	Building Sewer		Water Piping			Water Heater
	Water Piping		Condensate Lines			Backflow Prevention
			Indirect Waste			
ELECTRICAL	Floor Ducts Raceways		Rough Wiring			FINAL APPROVAL
	Conduits & or Cable		Conduits/Cable			Electric Mtr. Clearance
	Grounding & or Bonding		Service Panel			Signs
			Switchboard			
MECHANICAL			Subpanels			
			<input type="checkbox"/> Range <input type="checkbox"/> Dryer			FINAL APPROVAL
	Refrigerant Piping		Refrigerant Piping			Duct Insulation
	Ducts/Plenums		Ducts/Plenums			Chimney(s)
			Ventilation <input type="checkbox"/> Supply			Furnace(s)
			<input type="checkbox"/> Exhst.			FINAL APPROVAL
BUILDING	Location, Set-backs, Esmt(s)		Wall Construction			Fireplace Chimney
	Excavation		Crawl Space <input type="checkbox"/> Vent <input type="checkbox"/> Access			Attic <input type="checkbox"/> Vent <input type="checkbox"/> Access
	Footings & Reinforcing		Floor System(s)			Special Insp Reports Rec'd
	Sub-soil Drain		Roof System			Smoke Detector
	Foundation Walls		Fire Wall(s)			Demolition (sewer cap)
	Floor Slab		Roof Cover Roof Drain			Building or Structure
FINAL APPROVAL		<i>[Signature]</i>	Certificate of Occupancy Issued		#	
BLDG. DEPT						

← 80' →

↑
162'
↓



DRIVE way

HAROLD + MARY LuDEMANN
469 W MAUMEE P-858
NAPoleon

walls only
15' x 7'

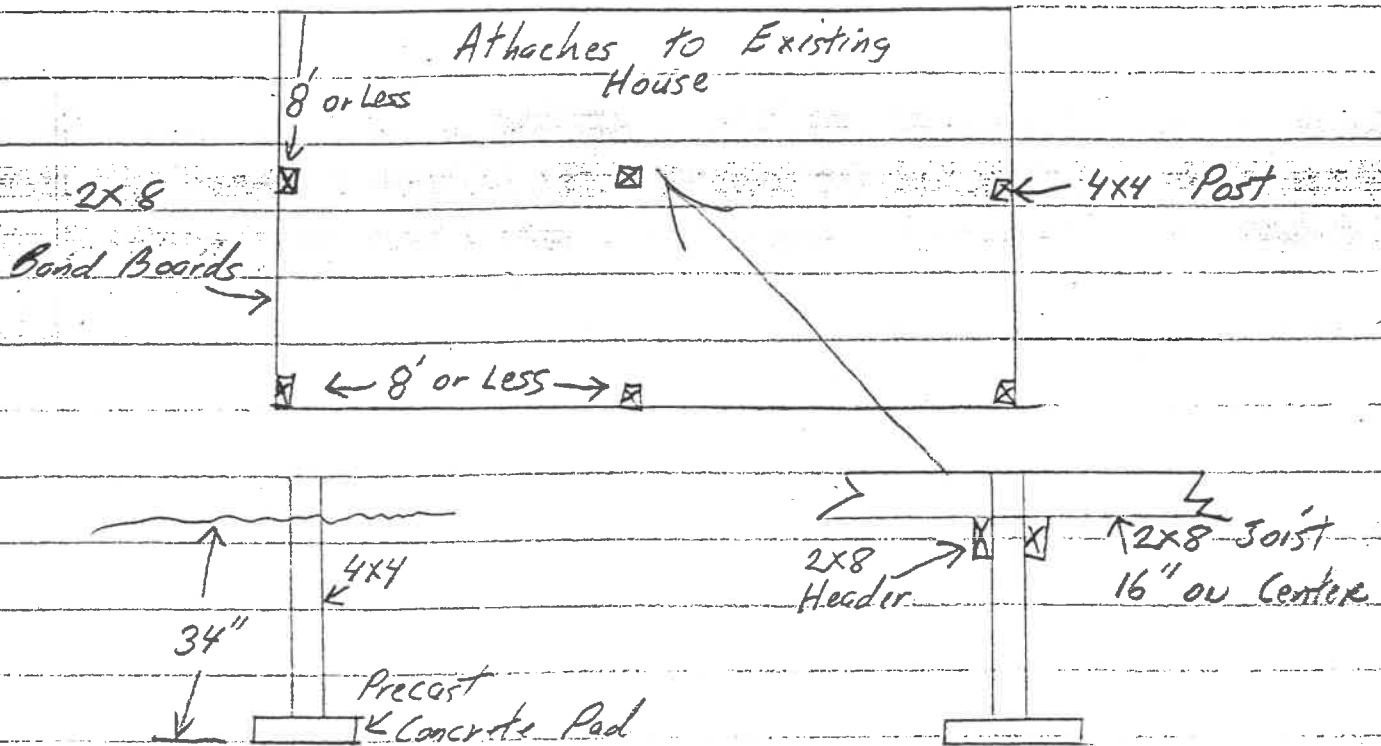
FRONT

37'

30'

T

Not to Scale



4x4 Post 34" Below Grade Sitting on Precast Concrete Pads

2x8 Joist 16" on Center

2x8 Headers and Bond Boards

3/4" T+G Structure Wood Sub Floor

All Lumber Treated with a .40 Saturation Level Except the Sub Floor.

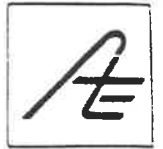
AMBRIC ENGINEERING, INC.

3502 SCOTTS LANE, PHILADELPHIA, PA 19129 ■ PHONE 215 438-2689
FAX 215 438-7110

- Consulting Engineers
- Surveyors
- Inspectors

CERTIFICATION BY PROFESSIONAL ENGINEER

Betterliving Patio Rooms
PanelCraft Honeycomb Building Panels



To Whom It May Concern:

The engineering tests and design data included in this brochure have been reviewed and approved by a professional engineer registered in the State of OHIO

The structural tests and design data described herein were performed in our laboratories under the direct supervision of professional engineers. Affixed is the official engineering stamp and authorized signature:

4-27-94

A handwritten signature in cursive script, appearing to read 'A. W. White'.

Please contact us if you have any questions about the engineering data contained in this brochure.

AMBRIC ENGINEERING, INC.

3502 SCOTTS LANE. PHILADELPHIA, PA 19129 ■ PHONE 215 438-2689
FAX 215 438-7110

- Consulting Engineers
- Surveyors
- Inspectors

April 27, 1994



Ambric Engineering performed a series of structural tests and evaluations on two types of composite panels manufactured by a Philadelphia based company called Craft-Bilt. The first type of panel had a polystyrene core with aluminum sheeting adhered to each of the core faces. The second type of panel had a honey-comb core with aluminum sheeting again, on each of the faces. All tests were performed in strict accordance with the relevant A.S.T.M. procedures and were conducted under the direct supervision of a Professional Engineer. The results of these tests are enclosed and comprise:

- Conformance Specifications for Honeycomb Roof Panels
- Conformance Specifications for Polystyrene Roof Panels
- Conformance Specifications for Honeycomb Wall Panels
- Attachment Details

Our client proposes to market the panel systems in various states throughout the USA. Conformance specifications and attachment details will require Professional Engineering Seals for each state involved. Please study and review the enclosed documents so that Engineering approval will be granted in each state where the product will be sold.

Yours sincerely,

Donald D. Meisel
President

CONFORMANCE SPECIFICATIONS

(HONEYCOMB WALL ASSEMBLIES)

=====

TRANSVERSE LOAD (WALL LOADING DATA) : TEST TO A.S.T.M. E72-80 ON 3" THICK PANELS; UNIFORM LOADING USING AIR-BAG.

=====

WALL SPAN (FT.)	6	6
TYPE OF WALL ASSEMBLY	SOLID (NO OPENINGS) (PSF)	FRAMED (DOORS/WINDOWS) (PSF)
MAXIMUM WALL LOAD	100	100
WALL LOAD AT DEFLECTION = (SPAN/180)	100+	86
WALL LOAD USED IN 24 HR LOAD/DEFN. TEST	80	80
ALLOWABLE WALL LOAD *	40	40

* FOUNDED ON THE LESSER OF a) THE MAXIMUM WALL LOAD WITH A SAFETY FACTOR OF 2.5 OR b) THE WALL LOAD AT DEFLECTION = (SPAN/180) OR c) THE WALL LOAD USED IN THE 24 HOUR LOAD / DEFLECTION RECOVERY TEST.

=====

24 HOUR LOAD / DEFLECTION RECOVERY (WALL LOADING DATA) : TEST TO B.O.C.A. NATIONAL BUILDING CODE (1988 SUPPLEMENT), SECTION 1305.0 ON 3" THICK ASSEMBLIES; UNIFORM LOADING USING AIR BAG.

=====

WALL SPAN (FT.)	6	6
	IMMED. RECOV.	RECOV. AFTER 24HR
SOLID WALL ASSEMBLY (12'7"x7'1"x3")	84.82%	92.55%
FRAMED WALL ASSEMBLY (12'5"x6'6"x3")	87.24%	92.76%

=====

AXIAL COMPRESSIVE LOAD (WALL LOADING DATA) : TEST TO A.S.T.M. E72-80 ON 3" THICK PANELS.

=====

TYPE OF WALL ASSEMBLY	SOLID (NO OPENINGS) (LBS)	(LBS/FT)	FRAMED (DOORS/WINDOWS) (LBS)	(LBS/FT)
ULTIMATE AXIAL COMPRESSIVE LOAD	29400	2336	45445	3660
ALLOWABLE AXIAL WALL LOAD ***	11760	935	18178	1464

** FOUNDED ON THE ULTIMATE AXIAL COMPRESSIVE LOAD WITH A FACTOR OF SAFETY OF 2.5

=====

RACKING LOAD (WALL RACKING LOAD DATA) : TEST TO A.S.T.M. E72-90 ON 3" PANELS

=====

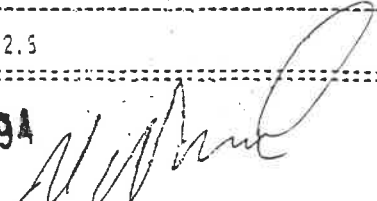
TYPE OF WALL ASSEMBLY	SOLID (NO OPENINGS) (LBS)	(LBS/FT)	FRAMED (DOORS/WINDOWS) (LBS)	(LBS/FT)
ULTIMATE RACKING LOAD * *	2130	170	2360	190
ALLOWABLE AXIAL WALL **	852	68	944	76

* * NO CLEAR POINT OF FAILURE, RATHER, PROGRESSIVE DETERIORATION AT PANEL CORNERS AND EDGES DUE TO INDIVIDUAL ROTATION OF PANELS WITH RESPECT TO THEIR CENTERS.

** FOUNDED ON THE ULTIMATE RACKING LOAD WITH A FACTOR OF SAFETY OF 2.5

=====

APR 27 1994



CONFORMANCE SPECIFICATIONS

(HONEYCOMB ROOF PANELS)

GENERAL : CONSTRUCTION DETAILS AND CONFORMANCE SPECIFICATIONS THAT WERE SUBMITTED IN BUILDING OFFICIALS AND CODE ADMINISTRATORS RESEARCH REPORT 85-46 (REVISED TO 82-66) TO BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL INC., 4051 WEST FLOSSMOOR ROAD, COUNTRY CLUB HILLS, ILLINOIS, 60477-5795.

PHYSICAL PROPERTIES OF HONEYCOMB PANELING AND ATTACHING EXTRUSIONS :

FACING - A.S.T.M. 3004 H154 ALLUMINUM ALLOY; SIZE 0.024"x37.1875"; YIELD STRENGTH 33,400 P.S.I.;
 ULTIMATE STRENGTH 34,600 P.S.I.; ELONGATION 1% TO 3.1%.

CORE - 99LB. KRAFT PAPER; 3/4" CELL SIZE; 11% RESIN IMPREGNATION; DENSITY 1.86 LBS/CU FT.;
 CRUSHING STRENGTH 85 P.S.I.; STRONG PLANE SHEAR 42 P.S.I.; WEAK PLANE SHEAR 23 P.S.I.

FACING AND CORE ADHESIVE - A CONTACT ADHESIVE COMPOSED OF SYNTHETIC RUBBER RESINS AND SOLVENTS THAT MEETS THE DURABILITY AND STRENGTH CRITERIA OF A.S.T.M. C-297, A.S.T.M. D-1780 (MODIFIED), A.S.T.M. D-2918 (MODIFIED).

ATTACHING EXTRUSIONS - A.S.T.M. 5063 T-5 ALLUMINUM ALLOY TENSILE 22,000 P.S.I.; ELONGATION 8%.

TRANSVERSE LOAD (ROOF LOADING DATA) : TEST TO A.S.T.M. E72-80 ON 3" THICK PANELS; TWO POINT LOADING AT QUARTER SPAN

ROOF SPAN (FT.)	10		12		14	
	LBS	PSF	LBS	PSF	LBS	PSF
ROOF PANELS WITH NO H-STIFFENERS						
ULTIMATE ROOF LOAD	4013.7	147.2	3907.2	119.4	3544.2	92.8
ROOF PANELS WITH H-STIFFENERS						
ULTIMATE ROOF LOAD	-	-	2910.0	88.9	3003.3	78.7

APR 9 7 1994

CONFORMANCE SPECIFICATIONS

(POLYSTYRENE ROOF PANELS)

GENERAL : CONSTRUCTION DETAILS AND CONFORMANCE SPECIFICATIONS THAT WERE SUBMITTED IN BUILDING OFFICIALS AND CODE ADMINISTRATORS RESEARCH REPORT 85-46 (REVISED TO 82-66) TO BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL, INC., INC., 4051 WEST FLOSSMOOR ROAD, COUNTRY CLUB HILLS, ILLINOIS, 60477-5795.

PHYSICAL PROPERTIES OF POLYSTYRENE PANELING AND ATTACHING EXTRUSIONS :

FACING - A.S.T.M. 3004 H154 ALLUMINUM ALLOY; SIZE 0.024"x37.1875"; YIELD STRENGTH 33,400 P.S.I.;
ULTIMATE STRENGTH 34,600 P.S.I.; ELONGATION 1% TO 3.1%.

CORE - ICA-LITE BRAND EXPANDED POLYSTYRENE; RIGID CLOSED CELL; SIZE 2 15/16"x35 3/8"; FT.;
COMPRESSIVE STRENGTH (10% DEFORMATION) 15-21 P.S.I.; FLEXURAL STRENGTH 40-50 P.S.I.; TENSILE STRENGTH 18-22 P.S.I.;
SHEAR STRENGTH 26-32 P.S.I.; SHEAR MODULUS 460-500 P.S.I.; ELASTIC MODULUS 320-360 P.S.I.

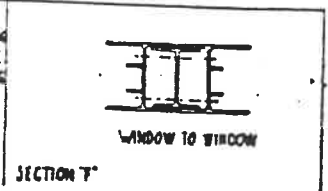
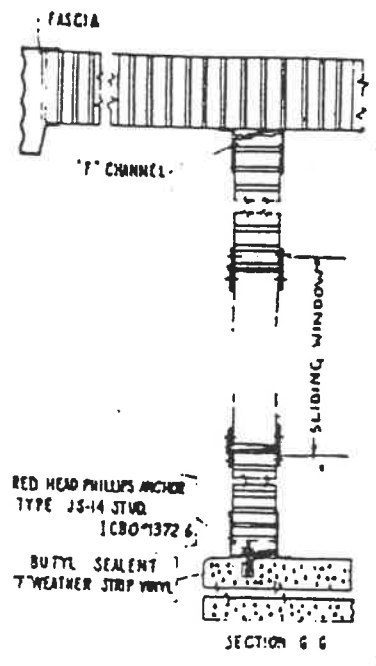
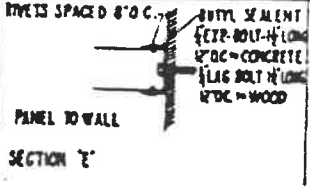
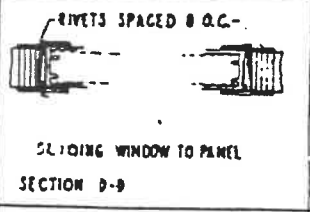
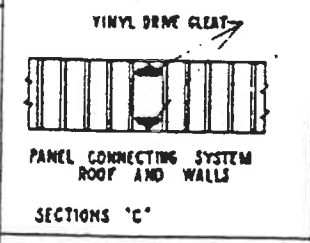
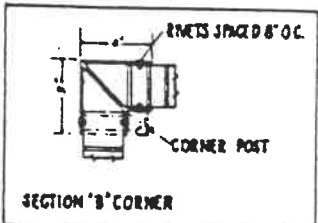
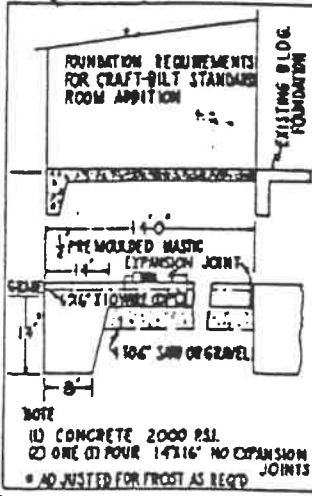
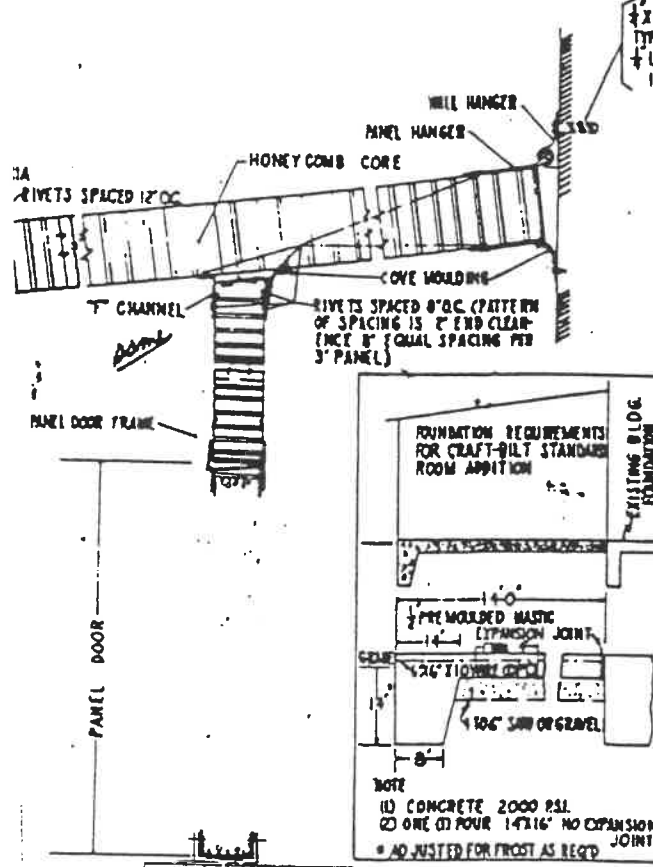
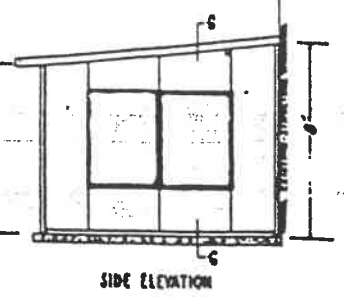
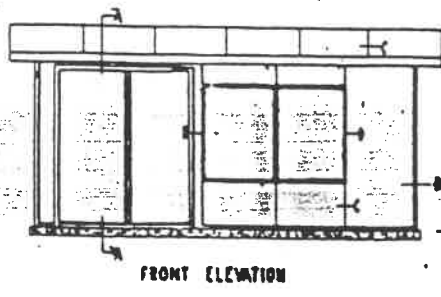
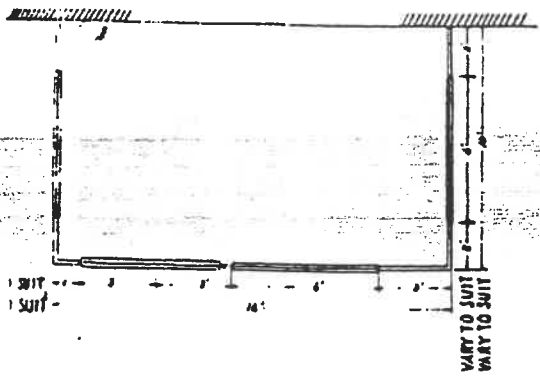
FACING AND CORE ADHESIVE - A CONTACT ADHESIVE COMPOSED OF SYNTHETIC RUBBER RESINS AND SOLVENTS THAT MEETS THE DURABILITY AND STRENGTH CRITERIA OF A.S.T.M. C-297, A.S.T.M. D-1780 (MODIFIED), A.S.T.M. D-2918 (MODIFIED).

ATTACHING EXTRUSIONS - A.S.T.M. 5063 T-5 ALLUMINUM ALLOY TENSILE 22,000 P.S.I.; ELONGATION 8%.

TRANSVERSE LOAD (ROOF LOADING DATA) : TEST TO A.S.T.M. E72-80 ON 3" THICK PANELS; TWO POINT LOADING AT QUARTER SPAN

ROOF SPAN (FT.)	10		12		14	
ROOF PANELS WITH H-STIFFENERS	LBS	PSF	LBS	PSF	LBS	PSF
ULTIMATE ROOF LOAD	4158.0	152.5	3389.1	103.6	2123.3	55.6

APR 9 7 1994



APR 27 1994

[Handwritten signature]

