LAW OFFICES

OF

### CHASE & RACINE

733 NATIONAL BANK BUILDING 608 MADISON AVE, TOLEDO, OHIO 43604

RICHARD A. CHASE CHARLES E. RACINE

September 14, 1983

TELEPHONE AREA CODE 419 244-2871

1036 Peny

Mr. Richard Hayward c/o City of Napoleon, Ohio 255 Riverview Avenue Napoleon, Ohio 43545

Re: Building Permit - The Lutheran Orphans' and Old Folks' Home Society at Napoleon, Ohio, Inc.

Dear Mr. Hayward:

Please find enclosed my client's check no. 15405 in the amount of \$826.20 representing payment in full for the building permit.

I would appreciate you sending the permit to me at your earliest convenience.

Respectfully yours,

Richard A. Chase

RAC:cg Enclosure



# City of NAPOLEON, OHIO

255 RIVERVIEW AVENUE - (419) 592-4010

February 14, 1983

Mayor Robert G. Heft

Clerk-Treasuer
Rupert W. schweinhagen

Mr. Richard Chase Attorney at Law 763 National Bank Bldg. 608 Madison Ave. Toledo, OH 43603

Members of Council

Darel Austermiller, President
James Jackson
William Young
Lawrence Haase
Darrell Fox
James Zumfelde

City Manager Richard A. Hayward

Law Director Keith P. Muchifeld Re: Utilities for Lutheran Home Site, Napoleon, Ohio

Dear Mr. Chase:

The City of Napoleon certifies that water, sewer and electrical service is available to the site and is adequate to serve not only the proposed facility, but also to maintain a high rate of service to existing properties.

If you have any questions, please contact this office.

Sincerely yours,

Von Eric Berlin, P.E.

City Engineer

VEB:dd

cc: VMr. Richard Hayman Rev. David Buegler

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## SUMMARY OF INFORMATION NECESSARY FOR SUBMISSION OF PLANS TO MEET MODEL ENERGY CODE IN NEW BUILDINGS

COUNTY OF PROJECT: HENRY	•
BUILDING OCCUPANCY: NUPSING HOME	8
NAME OF PROJECT: LUTHERAN NUESING HO	ME
ADDRESS OF PROJECT: NAPOLEON, OHIO	
	æ .
SUBMITTER'S NAME (PLEASE PRINT)	
SIGNATURE:	4
·	•
PART 1	
a) Buildings and structures or portions thereof four tenths (3.4) BTU/Hr. per square foot or square foot of floor area energy usage for a	one point zero (1.0) watt per
Yes / No Ø	•
If answer is yes, disregard the remainder of	this questionaire.
b) Buildings and structures or portions thereof Section 101.3 (a,2).	will be heated or cooled by fuel.
Yes 🛭 No 🗍	•
If answer is no, disregard the remainder of t	his questionaire.
PART 2	4
Indicate Design Method	
Systems Analysis (includes non-deplet Section 4 Fill out Part 4 in its ent	
Component Performance Approach.  Section 5 Fill out Part 5 in its ent	irety.
Acceptable Practice. Section 6 Fill out Part 6 in its ent	irety.

PART 3

# SUMMARY OF INFORMATION NECESSARY FOR SUBMISSION OF PLANS TO MEET MODEL ENERGY CODE IN NEW BUILDINGS

PART	4 SYSTEMS ANALYSIS
a)	Submission includes analysis of annual energy usage.
	Yes / No /
b)	Did you include the required computer program analysis necessary for satisfying Sections 402.3 and 402.4?
	Yes No
<b>c)</b>	Did you include the calculations for comparison with a "standard design" similar building required to provide compliance with the code as specified in Section 402.1?
	Yes / No /
d)	Do all the drawings necessary for Energy Conservation show the required seal or embossment of the Ohio Registered Engineer or Architect responsible for the analysis?
	Yes
PART 5	COMPONENT PERFORMANCE APPROACH
<b>a</b> )	If authoritative information is not available for obtaining heating degree days, have you shown your calculations for straight-line interpolation?
	Yes / No /
ъ)	Have you neatly tabled all the required design information on the plans as required by Section 302.1, Table 5-1 and Table 5-2?
	Yes 🛮 No 🗍
c)	Do your cross sections contain enough detail to substantiate all materials necessary for computing the proposed U for floors, walls, and ceilings or roofs?

## SUMMARY OF INFORMATION NECESSARY FOR SUBMISSION OF PLANS TO MEET MODEL ENERGY CODE IN NOW BUILDINGS

d) Have you shown on the cross sections for (c) above any unusual material

### PART 5 CONTINUED.

	R values and the source of R values!
	Yes / No /
e)	If you have made use of the non-conforming component design method, have you show all calculations to substantiate the heat loss to be less than code requirement?
	Yes No 🛮
f)	Do your plans reflect the method you have chosen to conform with air infiltration rates under Section 502.4 of the code?
	Yes / No Ø
g)	Have you shown on the plans the calculations for OTTV (using Equation 2) to be less than that required by code?
	Yes 🛮 No 🞵
h)	Will all the gas and oil fired heating equipment show a minimum combustion efficiency of 75 percent as required by section 503.4 (c)?
	Yes 🛮 No 🗍
i)	Do your plans reflect the required amount of insulation for air handling ducts and pipes as indicated by Sections 503.9 and 503.11 respectively?
	Yes 🛭 No 🗍
<b>j)</b>	Will the plans for HVAC equipment indicate energy efficiency ratios and coefficient of performances greater than shown in Table 5-4 thru 5-7?
	res 🛭 No 🗇
k)	lave you shown on the plans the equipment necessary for conservation of hot water as required by Section 504.5?
	res 🛮 No 🞵
1)	lave you performed and shown on the plans a lighting power budget as required by Section 505.3?
	res 🛮 No 🗍

## SAMPLE FORM OF

## CALCULATION SHEET FOR MODEL ENERGY CODE

Name of Project LUTHERAN	NUESIN	6 HOH	E		
County HENRY; Heati	ng Degree	Days	6494	-	;
Winter design 97 1/2% Degree F	4°F			w	
loor area of building envelope for	compliance	with Mode	1 Energy	Code 41,20	osq. ft.
boof area of building envelope for c	compliance	with Model	Energy C	Code 41,20	osq. ft.
BUILDING ELEMENT	NORTH	SOUTH	EAST	WEST	TOTALS
rea of Building Envelope Walls	3,170	3,210	2,042	2,042	10,464
Vindow Areas	230	500	300	300.	1,330
Door Areas	340	. 30	28	28.	426
indow Crack Length .			7	H (	
bor Crack Length		·			
kylight Area		100	¥	F:	
Skylight Crack Length				• • •	
J-Value For Windows Single Pane Triple Pane	• •		Thicknoof Air	ess Space	1/4"
J-Value for Doors 0.6 Thic					rial Wood
lass Per Cent of wall surface = Glassurface	iss Area, S Iding Enve	q. Ft. lope Wall,	Sq. re-	x 200 =	
$\Delta T = 72^{\circ}F^{2}$ (Winter Design 97 1/2)					approach o
Compute overall U, value for walls by making use of attached "Sections tables.	y use of e For Obtain	quation 1 ing U Valu	in the Mones," comp	del Energy plete the s	Code.

#### SECTION FOR OBTAINING U-VALUES

### ROOF

DESCRIPTION	N OF MATERIAL	THICKNESS	R-VALUES	
1) Air Film		_	0.61.	Show
2) M . LA	Y-IN CEILING		April	Arrow To
3) M <sub>2</sub>		ē		Specific
4) M <sub>3</sub>			. 4.0	Material
5) Insulation	(FIBEEGLASS)	12"	30	Etc.
6) M <sub>4</sub>			* • 8%3	
M <sub>S</sub>				_
8) M <sub>6</sub>				SECTION
9) Air Film	(5412TÜO)	. 8	0,17	(SHOW IN DETAIL AND TO SC

TOTAL R-VALUE = . 30.78

TOTAL U VALUE OF SECTION  $U = \frac{1}{R} = 0.033$ 

\* M = Various materials (Describe briefly)
Provide more lines if necessary

Provide additional copies of section through walls, ceilings and floors. (For example, cavity section, stud section, rafter section, plate section, masonry cavity wall section and etc.)

### SECTION FOR OBTAINING U-VALUES

## WALL

SECTION	•		:	
2) M <sub>1</sub> STUCCO ———————————————————————————————————	DESCRIPTION OF MATERIAL	THICKNESS	R-VALUES	
3) M <sub>2</sub> STYROF OAN  3/4"  5.0 Specific  Material  5) Insulation (FIBERGLASS)  6) M <sub>4</sub> GIPSUM BOARD  5/8"  0.56  M5  8) M6	1) Air Film (OUTSIDE)	-	0.17	Show
4) M <sub>3</sub> 5) Insulation (FIBERGLASS) 3½" 11.0 Etc.  6) M <sub>4</sub> GIPSUM BOARD 5/8" 0.56  M <sub>5</sub> 8) M <sub>6</sub> SECTION	2) My STUCCO			Arrow To
5) Insulation (FIBERGLASS) 31/2" 11.0 Etc.  6) M <sub>4</sub> GIPSUM BOARD 5/8" 0.56  M <sub>5</sub> 8) M <sub>6</sub> SECTION	3) M2 STYROFOAM	3/4".	5.0	Specific
6) M <sub>4</sub> GIPSUM BOARD 5/8" 0.56  M <sub>5</sub> 8) M <sub>6</sub> SECTION	4) M <sub>3</sub>			Material
8) M <sub>6</sub> SECTION	5) Insulation (FIBERGLASS)	31/2"	11.0	Etc.
8) M <sub>6</sub> SECTION	6) M4 GIPSUM BOARD	5/8"	0.56	
SECTION	M <sub>5</sub>	,		
	8) M <sub>6</sub>	-		SECTION
	9) Air Film (1N71DE)		0.68	(SHOW IN DETAIL AND TO SO

TOTAL R-VALUE = . 17.41

TOTAL U VALUE OF SECTION  $U = \frac{1}{R} = 0.06$ 

Provide additional copies of section through walls, ceilings and floors. (For example, cavity section, stud section, rafter section, plate section, masonry cavity wall section and etc.)

M = Various materials (Describe briefly)
Provide more lines if necessary

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EXTERIOR DESIGN CONDIT	EXTERIOR DESIGN CONDITIONS						
WINTER DESIGN DRY BULB 4°F							
SUPPER	DESIGN DRY BULB 91°F						
	DESIGN WET	80LB 73°F	-				
DEGREE-DAYS HEAT	DEGREE-DAYS HEATING 6494						
DEGREES-NORTH LAT	TITUDE 41°	2' -					
BUILDING ENVELOPE ELEME	INT THERMAL TRAI	SMISSION DATA					
ELEMENT	MODE	REQUIRED VALUE	ACTUAL VALUE				
WALLS	HEATING	To = 0.27	00 = 0.13				
	COOLING	OTTV = 33.8	OTTV - 18.2				
ROOP	HEATING OR COOLING	Uo = 0.072	To = 0.033				
FLOORS OVER UNHEATED SPACES	HEATING OR COOLING	To =	To =				
HEATED SLAB CM GRADE	HEATING OR COOLING	R =	R =				
UNHEATED SLAB ON GRADE	HEATING OR COOLING	R = 5.15	1 = 2.12				
OVERALL BUILDING COMPOSITE	HEATING OR COOLING	Uo = 0,12	To - 0.06				



## City of NAPOLEON, OHIO

255 RIVERVIEW AVENUE -- (419) 592-4010

August 12, 1983

Mayor

Robert G. Heft

Clerk-Treasurer

Rupert W. Schweinhagen

Members of Council

Lawrence Haase, President

James Jackson

William Young

Darel Austermiller

Darrell Fox

James Zumfelde

City Manager

Richard A. Hayward

Law Director

Keith P. Muehlfeld

Mr. Terry Martell Samborn, Steketee, Otis & Evans 1001 Madison Ave. Toledo, OH 43624

Dear Mr. Martell:

Please submit the check for the Lutheran Orphans' and Old Folks' Home building permit in the amount of \$826.20, payable to the City of Napoleon.

Thank you.

Sincerely,

Richard G. Hayman

Building Commissioner

RGH:dd