TOLEDO TESTING LABORATORY, INC.

OFFICES
1810 N. 12th Street
TOLEDO, OHIO 43624

TELEPHONE
241-7175

INSPECTING AND TESTING ENGINEERS

Concrete Cylinder Report

AUGUST 4, 1975
UNIVERSAL COOPERATIVES, INC.
NAPOLEON, OHIO

Report of Compression Test on Concrete specimens representing material used in: FOOTING, PHASE II-A & III-B

Laboratory No. 397069
Identification UNIV-2
P. O. No. NA 6295

Tested For: Universal Cooperatives, Inc.
Concrete Supplier: Fred Gerken
CONSLT-ENGRS: Floyd G. Browne & Associates, Ltd.

Mix
Designed Stg. @ 28 Days 3500#
W/C: Gal./sack

Slump ..."
Wt./cu. ft. ...#
Field Yield ...cu. ft.

Abs. Vol. Yield ...cu. ft.
Entrained Air ...%
Meter

Source
Aggregate—Fine ... Size ... mesh to ... mesh
Aggregate—Coarse "A" ... Size ... mesh to ... mesh
Aggregate—Coarse "B" ... Size ... mesh to ... mesh
Cement ... Type ... Bin #

Capacity of Mixer
Type of Mixer
Mixing Time
Temperature of Concrete ...°F. Atmospheric ...°F.

Cement Factor, sacks/cu. yd.
Free water in Fine Aggregate ...%
Free water in Coarse Aggregate "A" ...%
Free water in Coarse Aggregate "B" ...%

BATCH PROPORTIONS

Aggregates:	Saturated-Surface Dry Weights	Wet Weight	Dry Loose Volumes	Damp Loose Volumes
Portland Cement				
Fine Aggregate				
Coarse Aggregate "A"				
Coarse Aggregate "B"				
Water—Added				
Water—Total				
Admixture				

CURING OF CYLINDERS

Dry Air Temp. ... to ...°F.
Period 7 days on site
Damp Sand ... to ...°F.
Period
Moist Room, Standard Curing, 70° F., 95% Humidity
Period 21 days
Weather ... Mean Temp. ...°F.

Cylinders made 7-7-75 Tested 8-4-75 Dia. 6" Area, sq. in. 28.27 Ends Capped with Cylcap
Length — inches 12 12

COMPRESSIVE STRENGTH

AGE (days)	CYLINDER WEIGHT (lb.)	WEIGHT CU. FT. (lb.)	TOTAL LOAD (lb.)	COMPRESSIVE STRENGTH (lb./sq. in.)
A 28	28 1/8	143.16	76,500	2706
B 28	28 1/16	142.84	72,000	2546

Remarks:
Orig: Universal Cooperatives, Inc.
cc: Floyd G. Browne & Assoc., Ltd.

Made by your forces

MAS

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Neil R. Blaksley
Neil R. Blaksley, P.E.
General Manager

TOLEDO TESTING LABORATORY, INC.

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INSPECTING AND TESTING ENGINEERS

Concrete Cylinder Report

SEPTEMBER 17, 1975
UNIVERSAL COOPERATIVES, INC.
NAPOLEON, OHIO

Report of Compression Test on Concrete specimens representing material used in: PHASE III, FOUNDATION

Laboratory No. 397742
Identification UNIV-8
P. O. No. NA 6295

Tested For: Universal Cooperatives, Inc.
Concrete Supplier: Dielman Supply Co.
CONSLT-ENGRS: Floyd G. Browne & Assoc., Inc.

Mix: | Slump: " | Abs. Vol. Yield: cu. ft.
Designed Stg. @ 28 Days: 3500# | Wt./cu. ft.: # | Entrained Air: %
W/C: Gal./sack: | Field Yield: cu. ft. | Meter:

Source
Aggregate—Fine: Size: mesh to: mesh
Aggregate—Coarse "A": Size: mesh to: mesh
Aggregate—Coarse "B": Size: mesh to: mesh
Cement: Type: Bin #:

Capacity of Mixer:
Type of Mixer:
Mixing Time:
Temperature of Concrete: °F. Atmospheric: °F.

Cement Factor, sacks/cu. yd.:
Free water in Fine Aggregate: %
Free water in Coarse Aggregate "A": %
Free water in Coarse Aggregate "B": %

BATCH PROPORTIONS

Aggregates:	Saturated-Surface Dry Weights	Wet Weight	Dry Loose Volumes	Damp Loose Volumes
Portland Cement				
Fine Aggregate				
Coarse Aggregate "A"				
Coarse Aggregate "B"				
Water—Added				
Water—Total				
Admixture				

CURING OF CYLINDERS

Dry Air Temp. to °F.
Period: 8 days on site
Damp Sand to °F.
Period:
Moist Room, Standard Curing, 70° F., 95% Humidity
Period: 20 days
Weather: Mean Temp. °F.

Cylinders made: 8-20-75 Tested: 9-17-75 Dia.: 6 " Area, sq. in: 28.27 Ends Capped with Cylcap
Length — inches: 12 1/16

COMPRESSIVE STRENGTH

AGE (days)	CYLINDER WEIGHT (lb.)	WEIGHT CU. FT. (lb.)	TOTAL LOAD (lb.)	COMPRESSIVE STRENGTH (lb./sq. in.)
28	28 5/8	145.13	106,000	3750

Remarks:
Orig: Universal Cooperatives, Inc.
2cc : Floyd G. Browne & Associates, Inc.

Made by your forces mas

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Neil R. Blaksley
Neil R. Blaksley, P.E.
General Manager

Form CC1

REFER TO BD. OF ZONING APPEALS FILES

CITY OF NAPOLEON

TEMPORARY USE **BUILDING** [redacted] **PERMIT**

UNIVERSAL COOPERATIVES, INC

Permit No. 237-75

Issued 3/19/75

By [signature]
Building Inspector

Estimated Cost [redacted]

Fees	Base	Plus	Total
Construction	$35.00		$35.00
Basement			
Detached Garage			
Plumbing			
Electrical			
Heating			
Air Conditioning			
Water Tap			
Sewer Tap			
Temporary Electric			
Total	$35.00		$35.00

LESS MINIMUM FEE PAID 3/19 $35.00

AMOUNT DUE NONE

Owner Name [redacted]

Address County Road 10

Builder Name [redacted]

Address [redacted] Tel. 592-0010

Lot Information:

Street No. County Road 10

Lot [redacted] Subdivision [redacted]

Lot Dimensions ..... Lot Area ..... Sq. Ft.

Yard Set Back: Front ..... Rear .....

Side ..... Side .....

~~Sidewalk required in accordance with Ordinance~~

No. ..... .

MOBILE HOME AS A TEMPORARY OFFICE DURING THE PERIOD OF CONST. AND DEVELOPMENT. MAXIMUM 12 MONTHS. LOCATED IN A "I-1" ZONE

Building Information:

Residence ..... Commercial ..... Industrial .....

Single ..... Double ..... Multiple ..... New Construction ..... Addition ..... Remodel .....

Size: Length ..... Width ..... No. of Stories .....

Floor Area: 1st Floor ..... 2nd Floor ..... 3rd Floor ..... Basement .....

Unfinished Attic ..... Garage .....

Foundation: Piers ..... Full Basement ..... Part Basement .....

Concrete ..... Block .....

Walls: Frame ..... Block ..... Brick ..... Other .....

Electrical Outlets: 120v ..... 240v .....

Plumbing: Fixtures ..... Traps ..... Vents ..... Heating ..... Air Conditioning .....

Additional Information: APPROVED BY THE BOARD OF ZONING APPEALS ON 3/10/75.

DEPARTMENT HEADS HAVE FILED NO O.R.C. 713.

Date ..... Applicant Signature .....
Owner - Builder - Agent

(RECEIPT NO. 16364) PAID 3/19/75

Inspection Record:

Work Started		Foundations		Plumbing, Heating	
Set Back, Side Lines		Plumbing (Rough In)		And Air Conditioning	
Excavation		Erecting Frame		Roof	
Footing		Electrical Work			

Comments: .....

Certificate of Occupancy Issued ....
Inspector

Pink - Engineer