



TOLEDO TESTING LABORATORY, INC.

INSPECTING AND TESTING ENGINEERS

OFFICES
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Report of Compression Test on Concrete specimens representing material used in:

Concrete Cylinder Report

JULY 12, 1974
NAPOLEON WAREHOUSE, INC.
NAPOLEON, OHIO

RECEIVED
JUL 16 1974

Laboratory No. 392370
Identification NW-1

MEL LANZER CO. P. O. No.

Tested For: Mel Lanzer Company Project No. 662
Concrete Supplier: SANEHOLTZ SUPPLY (Footers)

Mix	Slump	Abs. Vol. Yield
Designed Stg. @ 28 Days 2500#	Wt./cu. ft. #	Entrained Air %
W/C: Gal./sack	Field Yield cu. ft.	Meter
Source		
Aggregate—Fine Gerken Materials	Size mesh to mesh	
Aggregate—Coarse "A" #57 Limestone-Pugh Quarry	Size 1" mesh to No. 4 mesh	
Aggregate—Coarse "B"	Size mesh to mesh	
Cement Huron Portland	Type I Bin #	

Capacity of Mixer
Type of Mixer
Mixing Time
Temperature of Concrete °F. Atmospheric 77 °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	470#	(5.0 sacks)		
Fine Aggregate	1400			
Coarse Aggregate "A"	1760			
Coarse Aggregate "B"				
Water— total FREE	28 gallons			
Water—Total				

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.

Admixture
Cylinders made 6-14-74 2:00 PM Tested 7-12-74 Dia. 6" Area, sq. in. 28.27
Length — inches 11 7/8 12 1/16 11 15/16 Ends Capped with Cycicap

COMPRESSIVE STRENGTH

AGE (Days)	CYLINDER WEIGHT (lb.)	WEIGHT CU. FT. (lb.)	TOTAL LOAD (lb.)	COMPRESSIVE STRENGTH (lb./sq. in.)
7	28 7/16	146.45	107,500	3803
28	28 3/8	143.86	148,000	5235
28	28 3/8	145.28	146,000	5164

Remarks:

Orig. & 2cc: Mel Lanzer Company

Made by Ronald Sonnenberg

MAS

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