

REPORTING SHEET FOR SAMPLING AND TESTING CONCRETE MASONRY UNITS
IN ACCORDANCE WITH
ASTM C 140-75 (REAPPROVED 1980)

Client: Van Poppelen Bros.
Address: P.O. Box 128
City, State: Bay City, MI 48707

Unit Specification (Select 1 - 8): 1
(1) ASTM C 90 Grade N (2) ASTM C 90 Grade S
(3) ASTM C145 Grade N (4) ASTM C145 Grade S
(5) ASTM C 55 Grade N (6) ASTM C 55 Grade S (7) ASTM C129 (8)Other

Name/Description of Unit: **Smooth Integrally Colored CMU**

Dimensions (in)
Nom W: 8.00 Nom H: 8.00 Nom L: 16.00
Std W: 7.63 Std H: 7.63 Std L: 15.63
Sampled By: CLIENT Date: 12/12/2005

Notes:

	Unit #1	Unit #2	Unit #3
C140 COMPRESSION			
Width Reading #1.....	7.669	7.660	7.677 in.
Reading #2.....	7.673	7.682	7.666 in.
Height Reading #1.....	7.639	7.654	7.615 in.
Reading #2.....	7.601	7.682	7.607 in.
Length Reading #1.....	15.616	15.615	15.589 in.
Reading #2.....	15.592	15.628	15.600 in.
Minimum Thickness:			
Faceshell No. One.....	1.328	1.297	1.314 in.
Faceshell No. Two.....	1.315	1.334	1.347 in.
Web No. One.....	1.794	1.773	1.779 in.
Web No. Two.....	1.108	1.112	1.132 in.
Web No. Three.....	1.778	1.797	1.793 in.
Web No. Four.....			in.
CMU Sampled Weight:.....	45.04	44.60	45.10 lbs
Maximum Compressive Load.....	442830	461680	464260 lbs
Description of Cracking/Failure Load:			
Measurements taken by:	DYKES		Date: 12/12/2005

	Unit #4	Unit #5	Unit #6
C140 ABSORPTION			
Width Reading #1.....	7.641	7.639	7.642 in.
Reading #2.....	7.653	7.655	7.642 in.
Height Reading #1.....	7.712	7.690	7.610 in.
Reading #2.....	7.674	7.640	7.603 in.
Length Reading #1.....	15.609	15.613	15.582 in.
Reading #2.....	15.598	15.589	15.591 in.
CMU Weight Measurements			
Sampled Weight.....	44.86	44.44	44.06 lbs
Suspended Immersed.....	26.20	26.02	25.66 lbs
Saturated Surface Dry.....	45.55	45.19	44.80 lbs
Oven Dry	44.08	43.64	43.26 lbs
Measurements taken by:	DYKES		Date: 12/12/2005

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CONCRETE LABORATORIES
 CONCRETE MASONRY UNIT TEST RESULTS
 IN ACCORDANCE WITH
 ASTM C 140-90

Client: Van Poppelen Bros.
 P.O. Box 128
 Bay City, MI 48707

Date: 12/12/2005

ASTM Unit Specification: ASTM C 90

Name/Description of Unit: **Smooth Integrally Colored CMU**

Nominal CMU Dimensions:

Width: 8.00 Height: 8.00 Length: 16.00

Notes:

SUMMARY

	REQUIRED	ACTUAL
CMU Gross Area Compressive Strength...	****	3810 psi
CMU Net Area Compressive Strength	1900	6540 psi
Moisture Content.....	****	52.21 %
Absorption	13 max	4.94 pcf
Density (Oven Dry Condition)	****	141.75 pcf
Minimum Faceshell Thickness	1.25 min	1.32 in.
Minimum Web Thickness	1.0 min	1.11 in.
Equivalent Web Thickness	2.25 min	3.61 in.
CMU Net Cross Sectional Area	****	69.81 sq.in.
CMU Gross Cross Sectional Area	****	119.72 sq.in.
CMU Percent Solid	****	58.31 %
CMU Equivalent Thickness	****	4.46 in.
Variation from Standard Dimensions....	.125 max	0.05 in.

COMPRESSION

	Avg	Avg	Avg	Sample Weight	Total Load	Compressive Strength	
	Width	Height	Length			Gr Area	Net Area
	in.	in.	in.	lb	lb	psi	psi
CMU #1	7.67	7.62	15.60	45.04	442830	3700	6340
CMU #2	7.67	7.67	15.62	44.60	461680	3850	6610
CMU #3	7.67	7.61	15.59	45.10	464260	3880	6660
Average	7.67	7.63	15.61	44.91	456260	3810	6540

ABSORPTION AND DENSITY

	Width	Height	Length	Absorp Density		Gr Vol	Net Vol
	in.	in.	in.	pcf	pcf		
CMU #4	7.65	7.69	15.60	4.74	142.15	0.53	0.31
CMU #5	7.65	7.67	15.60	5.05	142.05	0.53	0.31
CMU #6	7.64	7.61	15.59	5.02	141.04	0.52	0.31
Average	7.65	7.65	15.60	4.94	141.75	0.53	0.31

Comments: _____

Enter Name Michael R Meyer
 Enter Title Lab Tech