

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: **Split Face 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.....	8.053	7.864	8.108 in.
Reading #2.....	7.856	7.851	8.576 in.
Height Reading #1.....	7.635	7.612	7.627 in.
Reading #2.....	7.634	7.620	7.630 in.
Length Reading #1.....	15.646	15.657	15.644 in.
Reading #2.....	15.625	15.616	15.626 in.
Minimum Thickness:			
Faceshell No. One.....	1.333	1.369	1.333 in.
Faceshell No. Two.....	1.676	1.577	1.740 in.
Web No. One.....	1.061	1.057	1.066 in.
Web No. Two.....	1.040	1.040	1.041 in.
Web No. Three.....	1.048	1.070	1.059 in.
Web No. Four.....			in.
CMU Sampled Weight:.....	42.68	40.94	45.30 lbs
Maximum Compressive Load.....	463588	439880	444900 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.....	7.886	7.880	7.991 in.
Reading #2.....	7.885	7.886	7.898 in.
Height Reading #1.....	7.625	7.645	7.590 in.
Reading #2.....	7.626	7.597	7.621 in.
Length Reading #1.....	15.642	15.632	15.650 in.
Reading #2.....	15.601	15.596	15.603 in.
CMU Weight Measurements			
Sampled Weight.....	41.54	41.96	43.94 lbs
Suspended Immersed.....	24.40	24.64	25.74 lbs
Saturated Surface Dry.....	42.29	42.65	44.72 lbs
Oven Dry	40.84	41.24	43.22 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: **Split Face Integrally Colored CMU**

Nominal CMU Dimensions:

Width: 8.00 Height: 8.00 Length: 16.00

Notes:

SUMMARY

	REQUIRED	ACTUAL
CMU Gross Area Compressive Strength...	****	3570 psi
CMU Net Area Compressive Strength	1900	6630 psi
Moisture Content.....	****	49.11 %
Absorption	13 max	4.96 pcf
Density (Oven Dry Condition)	****	142.48 pcf
Minimum Faceshell Thickness	1.25 min	1.33 in.
Minimum Web Thickness	1.0 min	1.04 in.
Equivalent Web Thickness	2.25 min	2.43 in.
CMU Net Cross Sectional Area	****	67.81 sq.in.
CMU Gross Cross Sectional Area	****	125.89 sq.in.
CMU Percent Solid	****	53.86 %
CMU Equivalent Thickness	****	4.26 in.
Variation from Standard Dimensions....	.125 max	0.72 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	7.95	7.63	15.64	42.68	463588	3730	6920
CMU #2	7.86	7.62	15.64	40.94	439880	3580	6650
CMU #3	8.34	7.63	15.64	45.30	444900	3410	6330
Average	8.05	7.63	15.64	42.97	449460	3570	6630

ABSORPTION AND DENSITY

	Width	Height	Length	Absorp Density		Gr Vol	Net Vol
	in.	in.	in.	pcf	pcf		
CMU #4	7.89	7.63	15.62	5.06	142.45	0.54	0.29
CMU #5	7.88	7.62	15.61	4.89	142.89	0.54	0.29
CMU #6	7.94	7.61	15.63	4.93	142.09	0.55	0.30
Average	7.90	7.62	15.62	4.96	142.48	0.54	0.29

Comments: _____

Enter Name Michael R Meyer
 Enter Title Lab Tech