

Application for Preliminary Qualification of Bonds

School Bond Qualification and Loan Program for

Midland Public Schools

Table of Contents

Page Title	Page No.
Certificate	<u>1</u>
Financial Summary	<u>2</u>
Enrollment Projections	<u>3</u>
Project Sheet*	<u>4</u>
Building Utilization	<u>5</u>
Facility Condition Assessment	<u>6</u>
Utilization Summary	<u>7</u>
Facility Summary	<u>8</u>
Cost Summary	<u>9</u>

* Include building floor/site plans and activity/cost estimates for each project.

Application Attachments

(Please "X" all that apply)

- ☒ Debt service projection support
- ☐ Existing debt schedules
- ☒ Construction fund/bond issuance cost schedules
- ☒ Enrollment projections (prepared by an approved service provider)
- ☒ Comparison of the current proposal to previous defeated proposal
- ☐ Letter addressing classroom capacity utilization rate
- ☒ Architect's statement regarding closing/demolition of existing facility
- ☐ Letter addressing new construction costs exceeding the cost per square foot parameter
- ☒ Architect/Construction manager's opinion regarding cost estimates
- ☐ Status of unaudited bonds
- ☒ Useful Life Calculation Worksheet

For additional information about the School Bond Qualification and Loan Program, visit:

www.michigan.gov/sblf

Application for Preliminary Qualification of Bonds

Issued under authority of Public Act 92 of 2005, as amended

Michigan Department of Treasury
Bureau of State and Authority Finance
School Bond Qualification and Loan Program
430 West Allegan Street
Lansing, Michigan 48922
Telephone: (517) 335-0994

Proposed Election Date: **February 24, 2015**

Application Number: **56-010-4-K12-04-02**

Legal Name of School District Midland Public Schools	District Code Number 56010	Telephone Number 989-923-5001
Address 600 East Carpenter Street	City Midland	ZIP Code 48640

MAILING INSTRUCTIONS:

Return TWO originally signed copies to your bond counsel by **OVERNIGHT MAIL**.
Return ONE originally signed copy to your financial consultant.
Return ONE originally signed copy to your architectural firm.
Return ONE originally signed copy to your construction management firm, if applicable.
Retain ONE originally signed copy for your files.

CONTACT PERSON: Person to whom questions and correspondence concerning this application should be directed.

Michael E. Sharrow	Superintendent of Schools	989-923-5014
Name	Title	Telephone Number
sharrowme@midlandps.org		989-923-5003
E-mail Address		Fax Number

Certificate

I, the undersigned, Secretary of the Board of Education, do certify hereby that the Board of Education of this School District, at a special meeting of the Board, which was conducted and for which public notice of said meeting was given pursuant to and in full compliance with Act 276 of the Public Acts of 1976 (Open Meetings Act), on this 20th day of October, 2014 took the following action:

- (1) Resolved to apply for preliminary qualification of bonds by the State Treasurer for the purpose of financing the school construction description in this application.
- (2) That said application is presented to the State Treasurer for action prior to the official action of the Board of Education calling the election on said bond issue.
- (3) Resolved that this Board of Education will present a final qualification application to the State Treasurer for qualification of their bonds after this bond issue has been approved by the electors of said district.
- (4) Read this application and approved all statements and representations contained herein as true to the best knowledge and belief of the Board.
- (5) Authorized the Secretary of the Board of Education to sign this Preliminary Application and submit same to the State Treasurer for review and approval.

IN WITNESS whereof, I have hereunto set my hand this 20th day of October, 2014 :

Yvonne Gorton

Secretary, Board of Education

John Kaminski

Treasurer, Board of Education

Thrun Law Firm, P.C.

Bond Counsel

Stauder, Barch & Associates

Financial Consultant

French Associates

Architectural Firm

Barton Malow Company

Construction Management Firm

Signature of Secretary

Michael E. Sharrow

Superintendent of Schools

2900 West Road, Suite 400, East Lansing, MI 48823

Mailing Address

3989 Research Park Drive, Ann Arbor, MI 48108

Mailing Address

1600 Parkdale Road, Rochester, MI 48307

Mailing Address

26500 American Drive, Southfield, MI 48034

Mailing Address

ATTACH PROPOSED BALLOT LANGUAGE.

BONDING PROPOSAL

Shall Midland Public Schools, Midland County, Michigan, borrow the sum of not to exceed One Hundred Twenty-One Million Four Hundred Thousand Dollars (\$121,400,000) and issue its general obligation unlimited tax bonds therefor, in one or more series, for the purpose of:

installing security measures for, remodeling, furnishing and refurnishing and equipping and re-equipping school buildings; erecting, furnishing and equipping additions to school buildings; acquiring and installing instructional technology and instructional technology equipment for school buildings; purchasing school buses; and developing and improving playgrounds, play fields, athletic fields and facilities, parking and driveway areas and sites?

The following is for informational purposes only:

The estimated millage that will be levied for the proposed bonds in 2015, under current law, is 2.95 mills (\$2.95 on each \$1,000 of taxable valuation). The maximum number of years the bonds may be outstanding, exclusive of any refunding, for any single series of bonds, is twenty (20) years. The estimated simple average annual millage anticipated to be required to retire this bond debt is 2.71 mills (\$2.71 on each \$1,000 of taxable valuation).

The school district does not expect to borrow from the State to pay debt service on the bonds. The total amount of qualified bonds currently outstanding is \$-0-. The total amount of qualified loans currently outstanding is \$-0-. The estimated computed millage rate may change based on changes in certain circumstances.

(Pursuant to State law, expenditure of bond proceeds must be audited, and the proceeds cannot be used for repair or maintenance costs, teacher, administrator or employee salaries, or other operating expenses.)

Financial information provided as of : 10/5/14 MIDLAND PUBLIC SCHOOLS

[illegible]

Total Outstanding Bond Debt As Of:	Current Date	0	Election Date	0
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	Amount	Bond Term	Avg Int Rate	Bond Interest	SLRF Interest	Total Interest	Avg Millage	Millage Year 1
Proposal 1	121,400,000	20 yrs., 0 mos.	4.32%	60,538,775	0	60,538,775	2.71	2.95
Proposal 2								
Proposal 3								
Proposal 4								

Mandatory Final Loan Repayment Date:		2045
Current School Bond Loan Fund Balance:		0
Estimated School Bond Loan Fund Balance as of Election Date		0
Beginning Date in School Bond Loan Fund		n/a
Projected School Bond Loan Fund End Date		n/a
Estimated School Bond Loan Fund Interest Rate		5.00%
Maximum School Bond Loan Fund Balance		0
Maximum School Bond Loan Fund Balance Year		n/a
Initial Computed Millage		n/a
Estimated Duration of Computed Millage		n/a
Est Amt to be Borrowed on Existing Bonds	Principal:	0
	Interest:	0
Est Amt to be Borrowed on Proposed Bonds	Principal:	0
	Interest:	0

Prepared By: Robert J. Naughton

Total Estimated Proposed Millage for Next Tax Year	2.95
Estimated Duration of Millage Levy	20 yrs., 0 mos.
Maximum millage without SBLF participation	3.17
1st Year Millage Increase	2.95

Interest to Bond Ratio	49.87%
Bonded Debt to Taxable Value	4.31%
Total Debt to Taxable Value	4.31%
Weighted Average Maturity of Bonds	11.47
120% of Average Useful Life of Assets	27.93
Total Current Bond Debt plus School Bond Loan Debt	0

	Amount	Dated Date	Construction Fund	
			Beg. Date	End Date
Series 1	72,640,000	5/1/15	5/1/15	10/1/18
Series 2	40,450,000	5/1/19	5/1/19	5/1/22
Series 3	8,310,000	5/1/23	5/1/23	5/1/26

MIDLAND PUBLIC SCHOOLS
TAXABLE VALUE AND SEV HISTORY

1	2014	2,739,419,627	-0.08%	20 Year Average Growth at time of PQ 1.66%
2	2013	2,741,545,828	4.70%	
3	2012	2,618,584,985	1.49%	
4	2011	2,580,229,194	2.49%	
5	2010	2,517,437,190	-0.67%	
6	2009	2,534,419,187	-12.77%	
7	2008	2,905,506,595	1.16%	
8	2007	2,872,298,585	3.45%	
9	2006	2,776,382,528	16.51%	
10	2005	2,383,001,131	9.30%	
11	2004	2,180,309,358	-1.72%	
12	2003	2,218,543,274	-11.82%	
13	2002	2,516,014,754	4.13%	
14	2001	2,416,124,909	1.44%	
15	2000	2,381,760,753	4.11%	
16	1999	2,287,711,136	2.67%	
17	1998	2,228,122,722	1.60%	
18	1997	2,192,969,386	1.93%	
19	1996	2,151,404,176	2.71%	
20	1995	2,094,567,847	2.63%	
21	1994	2,040,926,011		

PQOct14v1 Series 2015

\$72,640,000

Average Life = 1.60 years

MIDLAND PUBLIC SCHOOLS
COUNTY OF MIDLAND, STATE OF MICHIGAN
PROPOSED 2015 SCHOOL BUILDING AND SITE BONDS
(GENERAL OBLIGATION - UNLIMITED TAX)

SCHEDULE OF ESTIMATED CONSTRUCTION FUND EARNINGS								
EXPENDITURE ACTIVITY						Construction	Interest	Projected
Date	Construction Projects	Other Fees and Costs	Totals	Month	Payout %	Fund Balance	Rate	Interest Earned
Jul 15						\$72,640,000		
Jul 15	\$1,791,710	\$1,145,981	\$2,937,691	1	4.03%	69,702,309	0.15%	\$8,713
Aug 15	1,791,710		1,791,710	2	6.50%	67,919,311	0.15%	8,490
Sep 15	1,791,710		1,791,710	3	8.96%	66,136,091	0.15%	8,267
Oct 15	1,791,710		1,791,710	4	11.42%	64,352,648	0.15%	8,044
Nov 15	1,791,710		1,791,710	5	13.88%	62,568,981	0.15%	7,821
Dec 15	1,791,710		1,791,710	6	16.34%	60,785,092	0.15%	7,598
Jan 16	1,791,710		1,791,710	7	18.80%	59,000,980	0.15%	7,375
Feb 16	1,791,710		1,791,710	8	21.26%	57,216,645	0.15%	7,152
Mar 16	1,791,710		1,791,710	9	23.72%	55,432,087	0.15%	6,929
Apr 16	1,791,710		1,791,710	10	26.18%	53,647,305	0.15%	6,706
May 16	1,791,710		1,791,710	11	28.64%	51,862,301	0.15%	6,483
Jun 16	1,791,710		1,791,710	12	31.10%	50,077,073	0.15%	6,260
Jul 16	1,791,710		1,791,710	13	33.56%	48,291,623	0.15%	6,036
Aug 16	1,791,710		1,791,710	14	36.02%	46,505,949	0.15%	5,813
Sep 16	1,791,710		1,791,710	15	38.48%	44,720,052	0.15%	5,590
Oct 16	1,791,710		1,791,710	16	40.94%	42,933,931	0.15%	5,367
Nov 16	1,791,710		1,791,710	17	43.40%	41,147,588	0.15%	5,143
Dec 16	1,791,710		1,791,710	18	45.87%	39,361,021	0.15%	4,920
Jan 17	1,791,710		1,791,710	19	48.33%	37,574,231	0.15%	4,697
Feb 17	1,791,710		1,791,710	20	50.79%	35,787,217	0.15%	4,473
Mar 17	1,791,710		1,791,710	21	53.25%	33,999,980	0.15%	4,250
Apr 17	1,791,710		1,791,710	22	55.71%	32,212,520	0.15%	4,027
May 17	1,791,710		1,791,710	23	58.17%	30,424,836	0.15%	3,803
Jun 17	1,791,710		1,791,710	24	60.63%	28,636,929	0.15%	3,580
Jul 17	1,791,710		1,791,710	25	63.09%	26,848,798	0.15%	3,356
Aug 17	1,791,710		1,791,710	26	65.55%	25,060,444	0.15%	3,133
Sep 17	1,791,710		1,791,710	27	68.01%	23,271,866	0.15%	2,909
Oct 17	1,791,710		1,791,710	28	70.47%	21,483,065	0.15%	2,685
Nov 17	1,791,710		1,791,710	29	72.93%	19,694,040	0.15%	2,462
Dec 17	1,791,710		1,791,710	30	75.39%	17,904,791	0.15%	2,238
Jan 18	1,791,710		1,791,710	31	77.85%	16,115,319	0.15%	2,014
Feb 18	1,791,710		1,791,710	32	80.31%	14,325,623	0.15%	1,791
Mar 18	1,791,710		1,791,710	33	82.78%	12,535,704	0.15%	1,567
Apr 18	1,791,710		1,791,710	34	85.24%	10,745,560	0.15%	1,343
May 18	1,791,710		1,791,710	35	87.70%	8,955,193	0.15%	1,119
Jun 18	1,791,710		1,791,710	36	90.16%	7,164,602	0.15%	896
Jul 18	1,791,710		1,791,710	37	92.62%	5,373,787	0.15%	672
Aug 18	1,791,710		1,791,710	38	95.08%	3,582,749	0.15%	448
Sep 18	1,791,710		1,791,710	39	97.54%	1,791,486	0.15%	224
Oct 18	1,791,710		1,791,710	40	100.00%	(0)	0.15%	(0)
\$71,668,413		\$1,145,981	\$72,814,394					

Breakdown of Estimated Other Fees and Costs			
OTHER FEES:		OTHER COSTS:	
Municipal Advisory Council Fee	\$400	Election, Notice of Sale, Bond Printing, etc.	\$13,261
Auditor's Subsequent Events Review	0	Capitalized Interest:	0
Bond Attorney	82,326	Bond Discount	1.250% 908,000
Construction Manager (Incl. in Construction Costs)	0	Bond Insurance	0
Financial Consultant	75,594	Other	0
Qualification of Bonds	18,400	TOTAL OTHER COSTS:	\$921,261
Other:		TOTAL OTHER FEES AND COSTS	\$1,145,981
Credit Ratings	\$41,500		
Official Statement Printing & Mailing	5,500	Total Project Cost	\$72,814,394
Treasury Filing	1,000 48,000	Less Construction Fund Earnings	174,394
TOTAL OTHER FEES	\$224,720	AMOUNT OF BOND ISSUE	\$72,640,000.00
		Estimated Construction Fund Deposit	\$71,494,019

STAUDER, BARCH & ASSOCIATES, INC.
Municipal Bond Financial and Marketing Consultants
3989 Research Park Drive
Ann Arbor, Michigan 48108
Phone (734) 668-6688 Fax (734) 668-6723

RJN
10/5/14

**MIDLAND PUBLIC SCHOOLS
COUNTY OF MIDLAND, STATE OF MICHIGAN
PROPOSED 2019 SCHOOL TECHNOLOGY AND BUS BONDS
(GENERAL OBLIGATION - UNLIMITED TAX)**

SCHEDULE OF ESTIMATED CONSTRUCTION FUND EARNINGS

Date	EXPENDITURE ACTIVITY		Totals	Month	Payout %	Construction Fund Balance	Interest Rate	Projected Interest Earned
	Construction Projects	Other Fees and Costs						
May 19						\$40,450,000		
May 19	\$1,078,551	\$663,062	\$1,741,613	1	4.29%	38,708,387	0.20%	\$6,451
Jun 19	1,078,551		1,078,551	2	6.95%	37,636,287	0.20%	6,273
Jul 19	1,078,551		1,078,551	3	9.61%	36,564,008	0.20%	6,094
Aug 19	1,078,551		1,078,551	4	12.27%	35,491,550	0.20%	5,915
Sep 19	1,078,551		1,078,551	5	14.93%	34,418,914	0.20%	5,736
Oct 19	1,078,551		1,078,551	6	17.59%	33,346,099	0.20%	5,558
Nov 19	1,078,551		1,078,551	7	20.24%	32,273,105	0.20%	5,379
Dec 19	1,078,551		1,078,551	8	22.90%	31,199,933	0.20%	5,200
Jan 20	1,078,551		1,078,551	9	25.56%	30,126,581	0.20%	5,021
Feb 20	1,078,551		1,078,551	10	28.22%	29,053,051	0.20%	4,842
Mar 20	1,078,551		1,078,551	11	30.88%	27,979,341	0.20%	4,663
Apr 20	1,078,551		1,078,551	12	33.54%	26,905,453	0.20%	4,484
May 20	1,078,551		1,078,551	13	36.20%	25,831,386	0.20%	4,305
Jun 20	1,078,551		1,078,551	14	38.85%	24,757,140	0.20%	4,126
Jul 20	1,078,551		1,078,551	15	41.51%	23,682,714	0.20%	3,947
Aug 20	1,078,551		1,078,551	16	44.17%	22,608,110	0.20%	3,768
Sep 20	1,078,551		1,078,551	17	46.83%	21,533,327	0.20%	3,589
Oct 20	1,078,551		1,078,551	18	49.49%	20,458,364	0.20%	3,410
Nov 20	1,078,551		1,078,551	19	52.15%	19,383,222	0.20%	3,231
Dec 20	1,078,551		1,078,551	20	54.80%	18,307,901	0.20%	3,051
Jan 21	1,078,551		1,078,551	21	57.46%	17,232,401	0.20%	2,872
Feb 21	1,078,551		1,078,551	22	60.12%	16,156,722	0.20%	2,693
Mar 21	1,078,551		1,078,551	23	62.78%	15,080,863	0.20%	2,513
Apr 21	1,078,551		1,078,551	24	65.44%	14,004,825	0.20%	2,334
May 21	1,078,551		1,078,551	25	68.10%	12,928,608	0.20%	2,155
Jun 21	1,078,551		1,078,551	26	70.76%	11,852,211	0.20%	1,975
Jul 21	1,078,551		1,078,551	27	73.41%	10,775,635	0.20%	1,796
Aug 21	1,078,551		1,078,551	28	76.07%	9,698,879	0.20%	1,616
Sep 21	1,078,551		1,078,551	29	78.73%	8,621,944	0.20%	1,437
Oct 21	1,078,551		1,078,551	30	81.39%	7,544,830	0.20%	1,257
Nov 21	1,078,551		1,078,551	31	84.05%	6,467,536	0.20%	1,078
Dec 21	1,078,551		1,078,551	32	86.71%	5,390,062	0.20%	898
Jan 22	1,078,551		1,078,551	33	89.37%	4,312,409	0.20%	719
Feb 22	1,078,551		1,078,551	34	92.02%	3,234,576	0.20%	539
Mar 22	1,078,551		1,078,551	35	94.68%	2,156,564	0.20%	359
Apr 22	1,078,551		1,078,551	36	97.34%	1,078,372	0.20%	180
May 22	1,078,551		1,078,551	37	100.00%	(0)	0.20%	(0)
	<u>\$39,906,405</u>	<u>\$663,062</u>	<u>\$40,569,467</u>					<u>\$119,467</u>

Breakdown of Estimated Other Fees and Costs			
OTHER FEES:		OTHER COSTS:	
Municipal Advisory Council Fee	\$400	Notice of Sale, Bond Printing, etc.	\$2,904
Auditor's Subsequent Events Review	0	Capitalized Interest: x mos. @ x%	0
Bond Attorney	52,400	Bond Discount 1.250%	505,625
Construction Manager (Incl. in Construction Costs)	0	Bond Insurance (incl. in Bond Discount)	0
Financial Consultant	48,232	Other	0
Qualification of Bonds	12,000	TOTAL OTHER COSTS:	<u>\$508,529</u>
Other:		TOTAL OTHER FEES AND COSTS	<u>\$663,062</u>
Credit Ratings	\$35,000		
Official Statement Printing & Mailing	5,500	Total Project Cost	\$40,569,467
Treasury Filing	1,000	Less Construction Fund Earnings	119,467
TOTAL OTHER FEES	<u>\$154,532</u>	AMOUNT OF BOND ISSUE	<u>\$40,450,000.00</u>
		Estimated Construction Fund Deposit	\$39,786,938

STAUDER, BARCH & ASSOCIATES, INC.
Municipal Bond Financial and Marketing Consultants
3989 Research Park Drive
Ann Arbor, Michigan 48108
Phone (734) 668-6688 Fax (734) 668-6723

RJN
10/5/14

MIDLAND PUBLIC SCHOOLS
COUNTY OF MIDLAND, STATE OF MICHIGAN
PROPOSED 2023 SCHOOL TECHNOLOGY AND BUS BONDS
(GENERAL OBLIGATION - UNLIMITED TAX)

SCHEDULE OF ESTIMATED CONSTRUCTION FUND EARNINGS

Date	EXPENDITURE ACTIVITY		Totals	Month	Payout %	Construction Fund Balance	Interest Rate	Projected Interest Earned
	Construction Projects	Other Fees and Costs						
May 23						\$8,310,000		
May 23	\$1,632,160	\$169,528	\$1,801,688	1	21.63%	6,508,312	0.30%	\$1,627
Jun 23	1,632,160		1,632,160	2	41.22%	4,877,779	0.30%	1,219
Jul 23	1,632,160		1,632,160	3	60.81%	3,246,838	0.30%	812
Aug 23	0		0	4	60.81%	3,247,650	0.30%	812
Sep 23	0		0	5	60.81%	3,248,462	0.30%	812
Oct 23	0		0	6	60.81%	3,249,274	0.30%	812
Nov 23	0		0	7	60.81%	3,250,086	0.30%	813
Dec 23	0		0	8	60.81%	3,250,899	0.30%	813
Jan 24	0		0	9	60.81%	3,251,711	0.30%	813
Feb 24	0		0	10	60.81%	3,252,524	0.30%	813
Mar 24	0		0	11	60.81%	3,253,338	0.30%	813
Apr 24	816,080		816,080	12	70.61%	2,438,071	0.30%	610
May 24	816,080		816,080	13	80.41%	1,622,600	0.30%	406
Jun 24	0		0	14	80.41%	1,623,006	0.30%	406
Jul 24	0		0	15	80.41%	1,623,412	0.30%	406
Aug 24	0		0	16	80.41%	1,623,818	0.30%	406
Sep 24	0		0	17	80.41%	1,624,224	0.30%	406
Oct 24	0		0	18	80.41%	1,624,630	0.30%	406
Nov 24	0		0	19	80.41%	1,625,036	0.30%	406
Dec 24	0		0	20	80.41%	1,625,442	0.30%	406
Jan 25	0		0	21	80.41%	1,625,848	0.30%	406
Feb 25	0		0	22	80.41%	1,626,255	0.30%	407
Mar 25	0		0	23	80.41%	1,626,661	0.30%	407
Apr 25	0		0	24	80.41%	1,627,068	0.30%	407
May 25	0		0	25	80.41%	1,627,475	0.30%	407
Jun 25	0		0	26	80.41%	1,627,882	0.30%	407
Jul 25	0		0	27	80.41%	1,628,289	0.30%	407
Aug 25	0		0	28	80.41%	1,628,696	0.30%	407
Sep 25	0		0	29	80.41%	1,629,103	0.30%	407
Oct 25	0		0	30	80.41%	1,629,510	0.30%	407
Nov 25	0		0	31	80.41%	1,629,918	0.30%	407
Dec 25	0		0	32	80.41%	1,630,325	0.30%	408
Jan 26	0		0	33	80.41%	1,630,733	0.30%	408
Feb 26	0		0	34	80.41%	1,631,140	0.30%	408
Mar 26	0		0	35	80.41%	1,631,548	0.30%	408
Apr 26	816,080		816,080	36	90.20%	815,876	0.30%	204
May 26	816,080		816,080	37	100.00%	0	0.30%	0
	\$8,160,800	\$169,528	\$8,330,328					\$20,328

Breakdown of Estimated Other Fees and Costs			
OTHER FEES:		OTHER COSTS:	
Municipal Advisory Council Fee	\$400	Notice of Sale, Bond Printing, etc.	\$4,021
Auditor's Subsequent Events Review	0	Capitalized Interest: x mos. @ x%	0
Bond Attorney	18,891	Bond Discount 1.250%	103,875
Construction Manager (Incl. in Construction Costs)	0	Bond Insurance (incl. in Bond Discount)	0
Financial Consultant	18,241	Other	0
Qualification of Bonds	5,600	TOTAL OTHER COSTS:	\$107,896
Other:		TOTAL OTHER FEES AND COSTS	\$169,528
Credit Ratings	\$12,000		
Official Statement Printing & Mailing	5,500	Total Project Cost	\$8,330,328
Treasury Filing	1,000	Less Construction Fund Earnings	20,328
TOTAL OTHER FEES	\$61,632	AMOUNT OF BOND ISSUE	\$8,310,000.00
		Estimated Construction Fund Deposit	\$8,140,472

STAUDER, BARCH & ASSOCIATES, INC.
Municipal Bond Financial and Marketing Consultants
3989 Research Park Drive
Ann Arbor, Michigan 48108
Phone (734) 668-6688 Fax (734) 668-6723

RJN
10/5/14

PQOct14v1 With Statutory Taxable Value Projection.

\$121,400,000
MIDLAND PUBLIC SCHOOLS
COUNTY OF MIDLAND, STATE OF MICHIGAN
PROPOSED 2015, 2019 & 2023 SCHOOL BUILDING AND SITE BONDS
(GENERAL OBLIGATION - UNLIMITED TAX)

	Series 2015	Series 2019	Series 2023
Amount:	\$72,640,000	\$40,450,000	\$8,310,000
NIC:	4.25%	4.50%	4.00%
Dated:	May 1, 15	May 1, 19	May 1, 23
Delivered:	May 1, 15	May 1, 19	May 1, 23
1:5 Ratio:	TRUE	TRUE	TRUE
Debt/(TV+IFT):	2.58%	4.09%	3.56%
Bond Term:	20 yrs., 0 mos.	20 yrs., 0 mos.	7 yrs., 0 mos.
Capitalized Int.	\$0.00	\$0.00	\$0.00

			Taxable Value Growth History		July Levy: 42%	
120% Project Useful Life	Average Life		2009	\$2,534,419,187	Est. 2015 Levy	2.95
Series 2015	32.68	10.66	2010	2,517,437,190 (0.67%)	Current Levy	0.00
Series 2019	23.09	14.35	2011	2,580,229,194 2.49%	Net Increase	2.95
Series 2023	6.43	4.52	2012	2,618,584,985 1.49%		
Wtd AvgLife	27.93	11.47	2013	2,741,545,828 4.70%		
Avg Int. Rate	4.32%		2014	2,739,419,627 (0.08%)		
			5 Yr Average Growth Rate:		1.59%	
Total (Use) of			20 Yr Avg. Growth		1.66% Mills	

Schedule of Estimated Millage Needed to Retire Bonded Debt

		Series 2015						Series 2019		Int. Rate: 4.50%		Series 2023		Int. Rate: 4.00%		Total		(Use) of		20 Yr Avg. Growth		1.66%		Mills	
Tax	F/Y	Existing	Interest	Interest	Principal	Series 2015	Principal	Series 2019	Principal	Series 2023	Existing &	Plus Delq.	Funds on	Net Existing	Projected	Growth	ALL SERIES	Needed	Mills						
Year	End	Debt	Due	Due	Interest	Total	Due	Total	Due	Total	Proposed	Allowance	Hand	Proposed Debt	Txbl Value [3]	Rate	Avg 2.71	All Debt [4]	Needed						
	6-30,	\$0	Nov 1	May 1	Rate	May 1	May 1	P&I	May 1	P&I	Debt	7.00%	\$0												
2014	2015	\$0	\$0	\$0	4.250%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,819,956,027	(0.08%)			0.00						
2015	2016	0	1,543,600 [1]	1,543,600	4.250%	4,660,000	7,747,200	0	0	0	7,747,200	582,321	0	8,329,521	2,819,956,027	0.00%	2.95	2.95							
2016	2017	0	1,444,575	1,444,575	4.250%	4,110,000	6,999,150	0	0	0	6,999,150		0	6,999,150	2,368,763,063	(16.00%)	2.95	2.95							
2017	2018	0	1,357,238	1,357,238	4.250%	4,390,000	7,104,475	0	0	0	7,104,475		0	7,104,475	2,404,294,509	1.50%	2.95	2.95							
2018	2019	0	1,263,950	1,263,950	4.250%	4,715,000	7,242,900	0	0	0	7,242,900		0	7,242,900	2,442,421,319	1.59%	2.97	2.97							
2019	2020	0	1,163,756	1,163,756	4.250%	2,480,000	4,807,513	800,000	2,620,250	0	7,427,763		0	7,427,763	2,481,152,737	1.59%	2.99	2.99							
2020	2021	0	1,111,056	1,111,056	4.250%	2,585,000	4,807,113	1,020,000	2,804,250	0	7,611,363		0	7,611,363	2,522,420,586	1.66%	3.02	3.02							
2021	2022	0	1,056,125	1,056,125	4.250%	2,695,000	4,807,250	1,255,000	2,993,350	0	7,800,600		0	7,800,600	2,564,374,823	1.66%	3.04	3.04							
2022	2023	0	998,856	998,856	4.250%	2,810,000	4,807,713	1,505,000	3,186,875	0	7,994,588		0	7,994,588	2,607,026,865	1.66%	3.07	3.07							
2023	2024	0	939,144	939,144	4.250%	2,930,000	4,808,288	825,000	2,439,150	615,000	8,194,838		0	8,194,838	2,650,388,319	1.66%	3.09	3.09							
2024	2025	0	876,881	876,881	4.250%	3,055,000	4,808,763	860,000	2,437,025	850,000	8,403,588		0	8,403,588	2,694,470,983	1.66%	3.12	3.12							
2025	2026	0	811,963	811,963	4.250%	3,185,000	4,808,925	900,000	2,438,325	1,090,000	8,611,050		0	8,611,050	2,739,286,854	1.66%	3.14	3.14							
2026	2027	0	744,281	744,281	4.250%	3,320,000	4,808,563	940,000	2,437,825	1,350,000	8,826,588		0	8,826,588	2,784,848,126	1.66%	3.17	3.17							
2027	2028	0	673,731	673,731	4.250%	3,460,000	4,807,463	985,000	2,440,525	1,415,000	8,839,188		0	8,839,188	2,831,167,197	1.66%	3.12	3.12							
2028	2029	0	600,206	600,206	4.250%	3,610,000	4,810,413	1,025,000	2,436,200	1,470,000	8,836,213		0	8,836,213	2,878,256,671	1.66%	3.07	3.07							
2029	2030	0	523,494	523,494	4.250%	3,760,000	4,806,988	1,075,000	2,440,075	1,520,000	8,827,863		0	8,827,863	2,926,129,363	1.66%	3.02	3.02							
2030	2031	0	443,594	443,594	4.250%	3,920,000	4,807,188	1,125,000	2,441,700	0	7,248,888		0	7,248,888	2,974,798,299	1.66%	2.44	2.44							
2031	2032	0	360,294	360,294	4.250%	4,090,000	4,810,588	1,170,000	2,436,075	0	7,246,663		0	7,246,663	3,024,276,722	1.66%	2.40	2.40							
2032	2033	0	273,381	273,381	4.250%	4,245,000	4,791,763	1,245,000	2,458,425	0	7,250,188		0	7,250,188	3,074,578,097	1.66%	2.36	2.36							
2033	2034	0	183,175	183,175	4.250%	4,310,000	4,676,350	1,415,000	2,572,400	0	7,248,750		0	7,248,750	3,125,716,110	1.66%	2.32	2.32							
2034	2035	0	91,588	91,588	4.250%	4,310,000	4,493,175	1,660,000	2,753,725	0	7,246,900		0	7,246,900	3,177,704,679	1.66%	2.28	2.28							
2035	2036	0	0	0	4.250%	0	0	5,365,000	6,384,025	0	6,384,025		0	6,384,025	3,230,557,948	1.66%	1.98	1.98							
2036	2037	0	0	0	4.250%	0	0	5,600,000	6,377,600	0	6,377,600		0	6,377,600	3,284,290,302	1.66%	1.94	1.94							
2037	2038	0	0	0	4.250%	0	0	5,840,000	6,365,600	0	6,365,600		0	6,365,600	3,338,916,360	1.66%	1.91	1.91							
2038	2039	0	0	0	4.250%	0	0	5,840,000	6,102,800	0	6,102,800		0	6,102,800	3,394,450,988	1.66%	1.80	1.80							
2039	2040	0	0	0	4.250%	0	0	0	0	0	0		0	0	3,450,909,298	1.66%		0.00							
2040	2041	0	0	0	4.250%	0	0	0	0	0	0		0	0	3,508,306,652	1.66%		0.00							
		\$0	\$16,460,888	\$16,460,888		\$72,640,000	\$105,561,775	\$40,450,000	\$66,566,200	\$8,310,000	\$9,810,800	\$181,938,775	\$582,321	\$0	\$182,521,096										

[1] 6 mos interest.
[2] Includes \$0 of Existing LTNQ Debt and \$0 of Existing UT Debt as of Dated Date.
[3] Includes \$80,536,400 of Equivalent IFT Valuations and Less DDA/TIFA Debt Captures of \$0 .

[4] Higher Millage in Later years is due to slower Taxable Value Growth Projection for Qualification purposes. See Table 28a for Millage Projection with more Likely Taxable Value Projection.

Tabl_28a with Variable Annual Change in Taxable Value

\$121,400,000
MIDLAND PUBLIC SCHOOLS
COUNTY OF MIDLAND, STATE OF MICHIGAN
PROPOSED 2015, 2019 & 2023 SCHOOL BUILDING AND SITE BONDS
(GENERAL OBLIGATION - UNLIMITED TAX)

	Series 2015	Series 2019	Series 2023
Amount:	\$72,640,000	\$40,450,000	\$8,310,000
NIC:	4.25%	4.50%	4.00%
Dated:	May 1, 15	May 1, 19	May 1, 23
Delivered:	May 1, 15	May 1, 19	May 1, 23
1:5 Ratio:	TRUE	TRUE	TRUE
Debt/(TV+IFT:	2.58%	4.07%	3.42%
Bond Term:	20 yrs., 0 mos.	20 yrs., 0 mos.	7 yrs., 0 mos.
Capitalized Int.	\$0.00	\$0.00	\$0.00

120% Project Useful Life Average Life			Taxable Value Growth History		July Levy: 42%	
Series 2015	32.68	10.66	2009	\$2,534,419,187	Proposed Levy	2.95
Series 2019	23.09	14.35	2010	2,517,437,190	Current Levy	0.00
Series 2023	6.43	4.52	2011	2,580,229,194	Net Increase	2.95
Wtd AvgLife	27.93	11.47	2012	2,618,584,985		
Avg Int. Rate	4.32%		2013	2,741,545,828		
			2014	2,739,419,627		
			Average Growth Rate:		1.59%	
			20 Yr Avg. Growth		1.66%	

		Series 2015						Series 2019		Int. Rate: 4.50%	Series 2023		Int. Rate: 4.00%	Total		(Use) of	Average Growth Rate:			Mills	
Tax Year	F/Y End 6-30,	Existing Debt \$0	Interest Due Nov 1	Interest Due May 1	Interest Rate	Principal Due May 1	Series 2015 Total P&I	Principal Due May 1	Series 2019 Total P&I		Principal Due May 1	Series 2023 Total P&I		Existing & Proposed Debt	Plus Delq. Allowance 7.00%	Funds on Hand \$0	Net Existing Proposed Debt	Projected Txbl Value [3]	Growth Rate	Needed ALL SERIES Avg 2.54	Mills Needed All Debt
2014	2015	\$0	\$0	\$0	4.250%	\$0	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0	\$0	\$2,819,956,027	(0.08%)		0.00
2015	2016	0	1,543,600 [1]	1,543,600	4.250%	4,660,000	7,747,200	0	0		0	0		7,747,200	582,321	0	8,329,521	2,819,956,027	0.00%	2.95	2.95
2016	2017	0	1,444,575	1,444,575	4.250%	4,110,000	6,999,150	0	0		0	0		6,999,150	0	0	6,999,150	2,368,763,063	(16.00%)	2.95	2.95
2017	2018	0	1,357,238	1,357,238	4.250%	4,390,000	7,104,475	0	0		0	0		7,104,475		0	7,104,475	2,404,294,509	1.50%	2.95	2.95
2018	2019	0	1,263,950	1,263,950	4.250%	4,715,000	7,242,900	0	0		0	0		7,242,900		0	7,242,900	2,452,380,399	2.00%	2.95	2.95
2019	2020	0	1,163,756	1,163,756	4.250%	2,480,000	4,807,513	800,000	2,620,250		0	0		7,427,763		0	7,427,763	2,513,689,909	2.50%	2.95	2.95
2020	2021	0	1,111,056	1,111,056	4.250%	2,585,000	4,807,113	1,020,000	2,804,250		0	0		7,611,363		0	7,611,363	2,576,532,156	2.50%	2.95	2.95
2021	2022	0	1,056,125	1,056,125	4.250%	2,695,000	4,807,250	1,255,000	2,993,350		0	0		7,800,600		0	7,800,600	2,640,945,460	2.50%	2.95	2.95
2022	2023	0	998,856	998,856	4.250%	2,810,000	4,807,713	1,505,000	3,186,875		0	0		7,994,588		0	7,994,588	2,706,969,097	2.50%	2.95	2.95
2023	2024	0	939,144	939,144	4.250%	2,930,000	4,808,288	825,000	2,439,150	615,000	947,400	1,157,800		8,194,838		0	8,194,838	2,774,643,324	2.50%	2.95	2.95
2024	2025	0	876,881	876,881	4.250%	3,055,000	4,808,763	860,000	2,437,025	850,000	1,157,800	1,363,800		8,403,588		0	8,403,588	2,844,009,407	2.50%	2.95	2.95
2025	2026	0	811,963	811,963	4.250%	3,185,000	4,808,925	900,000	2,438,325	1,090,000	1,363,800	1,636,800		8,611,050		0	8,611,050	2,915,109,643	2.50%	2.95	2.95
2026	2027	0	744,281	744,281	4.250%	3,320,000	4,808,563	940,000	2,437,825	1,350,000	1,580,200	1,826,588		8,826,588		0	8,826,588	2,987,987,384	2.50%	2.95	2.95
2027	2028	0	673,731	673,731	4.250%	3,460,000	4,807,463	985,000	2,440,525	1,415,000	1,591,200	1,839,188		8,839,188		0	8,839,188	3,062,687,068	2.50%	2.89	2.89
2028	2029	0	600,206	600,206	4.250%	3,610,000	4,810,413	1,025,000	2,436,200	1,470,000	1,589,600	1,836,213		8,836,213		0	8,836,213	3,139,254,245	2.50%	2.81	2.81
2029	2030	0	523,494	523,494	4.250%	3,760,000	4,806,988	1,075,000	2,440,075	1,520,000	1,580,800	1,827,863		8,827,863		0	8,827,863	3,217,735,601	2.50%	2.74	2.74
2030	2031	0	443,594	443,594	4.250%	3,920,000	4,807,188	1,125,000	2,441,700		0	0		7,248,888		0	7,248,888	3,298,178,991	2.50%	2.20	2.20
2031	2032	0	360,294	360,294	4.250%	4,090,000	4,810,588	1,170,000	2,436,075		0	0		7,246,663		0	7,246,663	3,380,633,466	2.50%	2.14	2.14
2032	2033	0	273,381	273,381	4.250%	4,245,000	4,791,763	1,245,000	2,458,425		0	0		7,250,188		0	7,250,188	3,465,149,303	2.50%	2.09	2.09
2033	2034	0	183,175	183,175	4.250%	4,310,000	4,676,350	1,415,000	2,572,400		0	0		7,248,750		0	7,248,750	3,551,778,035	2.50%	2.04	2.04
2034	2035	0	91,588	91,588	4.250%	4,310,000	4,493,175	1,660,000	2,753,725		0	0		7,246,900		0	7,246,900	3,640,572,486	2.50%	1.99	1.99
2035	2036	0	0	0	4.250%	0	0	5,365,000	6,384,025		0	0		6,384,025		0	6,384,025	3,731,586,798	2.50%	1.71	1.71
2036	2037	0	0	0	4.250%	0	0	5,600,000	6,377,600		0	0		6,377,600		0	6,377,600	3,824,876,468	2.50%	1.67	1.67
2037	2038	0	0	0	4.250%	0	0	5,840,000	6,365,600		0	0		6,365,600		0	6,365,600	3,920,498,380	2.50%	1.62	1.62
2038	2039	0	0	0	4.250%	0	0	5,840,000	6,102,800		0	0		6,102,800		0	6,102,800	4,018,510,839	2.50%	1.52	1.52
2039	2040	0	0	0	4.250%	0	0	0	0		0	0		0		0	0	4,118,973,610	2.50%		0.00
2040	2041	0	0	0	4.250%	0	0	0	0		0	0		0		0	0	4,221,947,951	2.50%		0.00
2041	2042	0	0	0	4.250%	0	0	0	0		0	0		0		0	0	4,327,496,649	2.50%		0.00
2042	2043	0	0	0	4.250%	0	0	0	0		0	0		0		0	0	4,435,684,066	2.50%		0.00
2043	2044	0	0	0	4.250%	0	0	0	0		0	0		0		0	0	4,546,576,167	2.50%		0.00
		\$0	\$16,460,888	\$16,460,888		\$72,640,000	\$105,561,775	\$40,450,000	\$66,566,200	\$8,310,000	\$9,810,800	\$181,938,775	\$582,321	\$0	\$182,521,096						

[1] 6 mos interest.
[2] Includes \$0 of Existing LTNQ Debt and \$0 of Existing UT Debt as of Dated Date.
[3] Includes \$80,536,400 of Equivalent IFT Valuations and Less DDA/TIFA Debt Captures of \$0

Enrollment Projections

Name of School District: **Midland Public Schools**

District Code Number: **65010**

Complete this form after acquiring an enrollment projection report from an approved enrollment projection provider. Official enrollment projections should be based on the most recent fall membership count.

Grade	Preceding 5-Year Enrollment	2013-2014 Current Enrollment	2018-2019 Projected 5-Year Enrollment	(Col 4 - Col 3) / Col 3
				Projected Enrollment
				Change (%)
1	2	3	4	5
K		507	530	4.47%
1		558	528	-5.38%
2		521	519	-0.38%
3		496	485	-2.15%
4		540	489	-9.44%
5		542	485	-10.52%
6		569	526	-7.50%
7		564	503	-10.82%
8		609	482	-20.80%
9		600	540	-9.94%
10		656	552	-15.90%
11		591	528	-10.60%
12		640	512	-20.05%
Totals	8,457	7,393	6,680	-9.65%

<u>Explanation of Method Selected</u>
Use the 1.5 Projections
2 times Low plus Most Likely divided by 3

Source:	Stanfred
Prepared By:	Barton Malow

Subtotals by School District's Grade Configuration: *

K-5		3,164	3,036	-4.05%
6-8		1,742	1,512	-13.22%
9-12		2,487	2,132	-14.27%
GENERAL ED TOTAL	8,457	7,393	6,680	-9.65%

<i>*Examples of possible grade configurations</i>		
K - 5	K - 8	K - 12
6 - 8	5 - 6	5 - 8
9 - 12	10 - 12	7 - 12

Early Childhood	
Special Education	
Alternative Education	
Adult Education	
NON-GEN ED TOTAL	

Non-general ed student count should not be included in the general ed student count listed above unless discussed with and determined by your enrollment service provider.

MIDLAND CITY - FTE GEN ED(LESS ETC ALT ED)

STANFRED CONSULTANTS
ENROLLMENT PROJECTIONS
VERSION V-PC

PAGE 2-7-2014
DATE 56010
ID

FOR BUDGET PLANNING PURPOSES WE SUGGEST USING THE 1.5 PROJECTIONS EXPECTING ENROLLMENTS TO FALL BETWEEN THE MOST LIKELY AND LOW CLOSER TO THE LOW - TWO TIMES THE LOW PLUS THE MOST LIKELY DIVIDED BY THREE.

****HISTORICAL DATA****
ENROLLMENT BY GRADE

BIRTH YEAR	NUMBER BIRTHS	SCHOOL YEAR	K	10	1	11	2	12	3	4	5	6	7	8	9	TOTAL
1994	1110.	1999-00	635	725.	700	689.	685	664.	694.	748.	680.	690.	721.	699.	736.	9066.
1995	1021.	2000-01	626	727.	651	708.	689	597.	692.	682.	753.	679.	699.	721.	712.	8936.
1996	1036.	2001-02	629	718.	685	723.	664	626.	717.	696.	703.	764.	721.	722.	748.	9116.
1997	988.	2002-03	569	747.	651	694.	675	700.	688.	718.	701.	719.	777.	725.	729.	9093.
1998	1027.	2003-04	625	728.	586	728.	649	675.	691.	678.	726.	708.	723.	786.	748.	9051.
1999	1042.	2004-05	584	750.	623	727.	600	723.	643.	682.	693.	728.	715.	731.	792.	8991.
2000	1043.	2005-06	589	771.	590	747.	640	707.	602.	652.	678.	686.	739.	714.	756.	8871.
2001	1022.	2006-07	576	750.	632	772.	592	735.	632.	605.	654.	661.	680.	736.	727.	8752.
2002	1025.	2007-08	567	771.	608	688.	628	755.	609.	653.	611.	653.	676.	693.	746.	8658.
2003	944.	2008-09	565	789.	596	717.	581	695.	628.	603.	642.	599.	656.	680.	706.	8457.
2004	962.	2009-10	577	763.	568	701.	575	685.	579.	626.	596.	611.	591.	650.	704.	8226.
2005	909.	2010-11	495	741.	581	690.	544	685.	560.	563.	625.	582.	617.	598.	687.	7968.
2006	877.	2011-12	510	714.	522	666.	556	674.	546.	558.	572.	633.	580.	626.	619.	7776.
2007	920.	2012-13	554	654.	519	649.	517	677.	553.	545.	579.	568.	629.	585.	642.	7671.
2008	823.	2013-14	507	656.	558	591.	521	640.	496.	540.	542.	569.	564.	609.	600.	7393.
2009	870.	2014-15														
2010	853.	2015-16														
2011	908.	2016-17														
2012	901.	2017-18														
2013	902.	2018-19														
		# ESTIMATED														

FTE HISTORY AND PROJECTIONS
DO NOT INCLUDE SELF CONTAINED
SPECIAL EDUCATION OR PART TIME
STUDENTS (IN FTE'S)

MIDLAND CITY - FTE GEN ED(LESS ETC ALT ED)

COHORT SURVIVAL RATIOS

YEAR	B-K	K-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
99-00	57.21												
00-01	61.31	102.52	98.43	101.02	98.27	100.67	99.85	101.30	100.00	101.86	98.78	97.66	86.65
01-02	60.71	109.42	102.00	104.06	100.58	103.08	101.46	106.19	103.29	103.74	100.84	99.45	88.42
02-03	57.59	103.50	98.54	103.61	100.14	100.72	102.28	101.70	100.55	100.97	99.87	96.66	96.82
03-04	60.86	102.99	99.69	102.37	98.55	101.11	101.00	100.56	101.16	103.17	99.86	97.46	97.26
04-05	56.05	99.68	102.39	99.08	98.70	102.21	100.28	100.99	101.11	100.76	100.27	99.86	99.31
05-06	56.47	101.03	102.73	100.33	101.40	99.41	98.99	101.51	99.86	103.42	97.35	99.60	97.25
06-07	56.36	107.30	100.34	98.75	100.50	100.31	97.49	99.13	99.59	101.82	99.21	100.13	98.39
07-08	55.32	105.56	99.37	102.87	103.32	100.99	99.85	102.27	101.91	101.36	106.05	91.73	97.80
08-09	59.85	105.11	95.56	100.00	99.01	98.32	98.04	100.46	100.59	101.88	105.76	93.00	101.02
09-10	59.98	100.53	96.48	99.66	99.68	98.84	95.17	98.66	99.09	103.53	108.07	88.85	95.54
10-11	54.46*	100.69	95.77*	97.39*	97.24*	99.84	97.65	100.98	101.18	105.69*	105.26	90.43*	97.72
11-12	58.15	105.45	95.70*	100.37	99.64	101.60	101.28*	99.66	101.46	103.51	103.93	89.88*	97.68
12-13	60.22	101.76	99.04	99.46	99.82	103.76*	99.30	99.37	100.86	102.56	105.65*	90.90	101.65*
13-14	61.60*	100.72	100.39	95.94*	97.65*	99.45	98.27	99.30	96.82*	102.56	102.18	90.37*	98.61

* ATYPICAL SURVIVAL RATIO

	B-K	K-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
MEAN ORIGINAL	58.41	103.31	99.03	100.35	99.61	100.74	99.35	100.86	100.53	102.63	102.36	94.71	96.72
STD DEVIATION	2.29	2.79	2.37	2.22	1.53	1.50	1.84	1.81	1.44	1.28	3.24	4.17	4.07

MIDLAND CITY - FTE GEN ED(LESS ETC ALT ED)

ENROLLMENTS BY GRADE GROUP - HISTORICAL DATA

YEAR	K-3	4-6	7-9	10-12	K-4	5-8	9-12	K-5	6-8	6-9
	K-12	1-3	K-6	7-8	7-12	1-6	K-8	1-12	9-10	11-12
99-00	2714.	2118.	2156.	2078.	3462.	2790.	2814.	4142.	2110.	2846.
	9066.	2079.	4832.	1420.	4234.	4197.	6252.	8431.	1461.	1353.
00-01	2658.	2114.	2132.	2032.	3340.	2852.	2744.	4093.	2099.	2811.
	8936.	2032.	4772.	1420.	4164.	4146.	6192.	8310.	1439.	1305.
01-02	2695.	2163.	2191.	2067.	3391.	2910.	2815.	4094.	2207.	2955.
	9116.	2066.	4858.	1443.	4258.	4229.	6301.	8487.	1466.	1349.
02-03	2583.	2138.	2231.	2141.	3301.	2922.	2870.	4002.	2221.	2950.
	9093.	2014.	4721.	1502.	4372.	4152.	6223.	8524.	1476.	1394.
03-04	2551.	2112.	2257.	2131.	3229.	2943.	2879.	3955.	2217.	2965.
	9051.	1926.	4663.	1509.	4388.	4038.	6172.	8426.	1476.	1403.
04-05	2450.	2103.	2238.	2200.	3132.	2867.	2992.	3825.	2174.	2966.
	8991.	1866.	4553.	1446.	4438.	3969.	5999.	8407.	1542.	1450.
05-06	2421.	2016.	2209.	2225.	3073.	2817.	2981.	3751.	2139.	2895.
	8871.	1832.	4437.	1453.	4434.	3848.	5890.	8282.	1527.	1454.
06-07	2432.	1920.	2143.	2257.	3037.	2731.	2984.	3691.	2077.	2804.
	8752.	1856.	4352.	1416.	4400.	3776.	5768.	8176.	1477.	1507.
07-08	2412.	1917.	2115.	2214.	3065.	2633.	2960.	3676.	2022.	2768.
	8658.	1845.	4329.	1369.	4329.	3762.	5698.	8091.	1517.	1443.
08-09	2370.	1844.	2042.	2201.	2973.	2577.	2907.	3615.	1935.	2641.
	8457.	1805.	4214.	1336.	4243.	3649.	5550.	7892.	1495.	1412.
09-10	2299.	1833.	1945.	2149.	2925.	2448.	2853.	3521.	1852.	2556.
	8226.	1722.	4132.	1241.	4094.	3555.	5373.	7649.	1467.	1386.
10-11	2180.	1770.	1902.	2116.	2743.	2422.	2803.	3368.	1797.	2484.
	7968.	1685.	3950.	1215.	4018.	3455.	5165.	7473.	1428.	1375.
11-12	2134.	1763.	1825.	2054.	2692.	2411.	2673.	3264.	1839.	2458.
	7776.	1624.	3897.	1206.	3879.	3387.	5103.	7266.	1333.	1340.
12-13	2143.	1692.	1856.	1980.	2688.	2361.	2622.	3267.	1782.	2424.
	7671.	1589.	3835.	1214.	3836.	3281.	5049.	7117.	1296.	1326.
13-14	2082.	1651.	1773.	1887.	2622.	2284.	2487.	3164.	1742.	2342.
	7393.	1575.	3733.	1173.	3660.	3226.	4906.	6886.	1256.	1231.

[illegible]

STANDARD UNIT LIMIT (X) 1.00

ENROLLMENTS BY GRADE GROUP - MOST LIKELY PROJECTED ENROLLMENT

[illegible]

[illegible]

MIDLAND CITY - FTE GEN ED(LESS ETC ALT ED)

STANDARD UNIT LIMIT (X) 1.00

ENROLLMENTS BY GRADE GROUP - HIGH PROJECTED ENROLLMENT

[illegible]

[illegible]

[illegible]

MIDLAND CITY - FTE GEN ED(LESS ETC ALT ED)

STANDARD UNIT LIMIT (X) 1.50

NUMBER IN X STD UNITS	14	13	13	12	12	11	12	13	12	13	12	14	12
B-K	K-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	

MEAN RATIO	59.99	101.24	98.75	100.41	99.49	100.47	99.45	100.45	100.61	102.40	103.72	90.74	98.57
	*	*									*	*	*

AN ASTERISK(*) ABOVE THE MEAN INDICATES A TREND HAS RESULTED IN A SUBSTITUTE COMPUTATION

MOST LIKELY PROJECTED ENROLLMENT - PROJECTED BY GRADE

[illegible]

MIDLAND CITY - FTE GEN ED(LESS ETC ALT ED)

STANDARD UNIT LIMIT (X) 1.50

ENROLLMENTS BY GRADE GROUP - MOST LIKELY PROJECTED ENROLLMENT

[illegible]

MIDLAND CITY - FTE GEN ED(LESS ETC ALT ED)

STANDARD UNIT LIMIT (X) 1.50

NUMBER IN X STD UNITS	14	13	13	12	12	11	12	13	12	13	12	14	12
B-K	K-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	

HIGH RATIO	61.60	103.24	100.46	101.76	100.35	101.22	100.62	101.33	101.28	103.21	106.38	91.88	100.43
	*	*								*	*	*	*

AN ASTERISK(*) ABOVE THE MEAN INDICATES A TREND HAS RESULTED IN A SUBSTITUTE COMPUTATION

- PROJECTED BY GRADE

[illegible]

STANDARD UNIT LIMIT (X) 1.50

[illegible]

[illegible]

MIDLAND CITY - FTE GEN ED(LESS ETC ALT ED)

STANDARD UNIT LIMIT (X) 1.50

ENROLLMENTS BY GRADE GROUP - LOW PROJECTED ENROLLMENT

[illegible]

MIDLAND CITY - FTE GEN ED(LESS ETC ALT ED)

STANDARD UNIT LIMIT (X) 2.00

MEAN RATIO	59.99	101.24	99.03	100.35	99.32	100.50	99.67	100.45	100.82	102.40	103.72	90.74	98.57
NUMBER IN X STD UNITS	15	13	14	14	13	13	13	13	13	13	14	14	12
	B-K	K-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12

AN ASTERISK(*) ABOVE THE MEAN INDICATES A TREND HAS RESULTED IN A SUBSTITUTE COMPUTATION

MOST LIKELY PROJECTED ENROLLMENT - PROJECTED BY GRADE

[illegible]

VERSION V-PC

ENROLLMENTS BY GRADE GROUP - MOST LIKELY PROJECTED ENROLLMENT

[illegible]

[illegible]

[illegible]

MIDLAND CITY - FTE GEN ED(LESS ETC ALT ED)

STANDARD UNIT LIMIT (X) 2.00

	B-K	K-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
NUMBER IN X STD UNITS	15	13	14	14	13	13	13	13	13	13	14	14	12
LOW RATIO	*	*	97.07	98.61	98.44	99.55	98.51	99.59	100.08	101.60	100.67	89.70	96.98

AN ASTERISK(*) ABOVE THE MEAN INDICATES A TREND HAS RESULTED IN A SUBSTITUTE COMPUTATION

LOW PROJECTED ENROLLMENT - PROJECTED BY GRADE

[illegible]

STANDARD UNIT LIMIT (X) 2.00

ENROLLMENTS BY GRADE GROUP - LOW PROJECTED ENROLLMENT

[illegible]

Project Sheet

Project No.	1
Name of School Building:	Adams Elementary School

Description of Series 1 Project: new multi-purpose addition, building renovations, mechanical upgrades, electrical upgrades, technology infrastructure & equipment, site improvements and furniture replacement	Instructional Technology Description classroom teaching equipment and student devices
Description of Series 2 Project: technology infrastructure and equipment, playground improvements, furniture	
Description of Series 3 Project: technology equipment	Site Work Description demo modular classrooms, site infrastructure, paving and playground improvements

Type of Project:

New Building	→ New Construction Square Ft		Cost per Sq Ft	
X Additions(s)	→ New Addition Square Ft.	<u>9,500 sf</u>	Cost per Sq Ft	<u>190</u>
X Remodeling				
X Technology and/or Buses				
X Site Work				
Facility Closing	Demolish	Retain for future use	Convert to non-instructional	
	Sell or lease	Undetermined		

Statement describing any existing environmental or usability problems the proposed project will address.
 (ex: asbestos, energy use, or ADA requirements)

Remove asbestos

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$1,805,000	\$1,805,000	\$0	\$0
Remodeling	\$2,160,500	\$2,033,000	\$127,500	\$0
Construction Contingencies	\$558,905	\$457,855	\$64,230	\$36,820
Instructional Technology	\$1,217,150	\$462,450	\$386,500	\$368,200
Loose Furnishing/Equipment	\$177,900	\$99,600	\$78,300	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$228,500	\$178,500	\$50,000	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$310,099	\$295,753	\$11,538	\$2,808
CM Fees and Costs	\$407,650	\$387,324	\$16,654	\$3,672
Estimated Costs	\$6,865,704	\$5,719,483	\$734,721	\$411,500

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

	Dale Jerome	French Associates	33304
Signature	Printed Name	Firm Name and License Number	
10/1/2014	dalej@frenchia.com	248-656-7746	248-656-1377
Date	E-mail Address	Fax Number	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Adams Elementary School
1005 Adams St., Midland, MI 48642
Building Project Work List

Date: 10/1/2014 site visit: 6/30/2014
Grades: K-5 enrollment: x
Year Built: 1962
Building Size: 44,725 capacity: x
Site Size: 16.000

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

NEW CONSTRUCTION

Addition

Cafeteria/Gym	6,500	sf	190.00	\$1,235,000	\$308,750	\$1,543,750		1
Stage	1,500	sf	190.00	\$285,000	\$71,250	\$356,250		1
Kitchen	400	sf	200.00	\$80,000	\$20,000	\$100,000		1
Toilet Rooms	400	sf	250.00	\$100,000	\$25,000	\$125,000		1
Storage/Circulation	700	sf	150.00	\$105,000	\$26,250	\$131,250		1

New Construction Subtotal:	9,500		190.00	\$1,805,000			\$2,256,250	
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ARCHITECTURAL WORK

Environmental

Abate asbestos floor tile	30	ksf	1,500.00	\$45,000	\$11,250	\$56,250	In classrooms	1
Abate asbestos at mechanical	1	ls	5,000.00	\$5,000	\$1,250	\$6,250		1

Building Envelope

Replace doors, frames and hardware	26	ea	3,000.00	\$78,000	\$19,500	\$97,500		1
Replace glazing systems	2,100	sf	60.00	\$126,000	\$31,500	\$157,500		1

Interior Construction

Replace doors, frames and hardware	26	ea	2,000.00	\$52,000	\$13,000	\$65,000	classrooms only	1
Replace flooring	30,000	sf	4.25	\$127,500	\$31,875	\$159,375	Classrooms	1
Replace visual display boards	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	chalk to marker	1
Replace toilet partitions & accessories	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	metal to plastic	1
Replace casework	400	lf	425.00	\$170,000	\$42,500	\$212,500	original wood	1
Remodel toilet rooms	1	ls	8,000.00	\$8,000	\$2,000	\$10,000	flooring and partitions	1
Modify lobby to create secure entrance	2,000	sf	100.00	\$200,000	\$50,000	\$250,000		1
Convert gym to media center	3,500	sf	75.00	\$262,500	\$65,625	\$328,125	includes "Learn Lab"	1
Renovate media center to breakout lab	1,000	sf	50.00	\$50,000	\$12,500	\$62,500		1
Renovations to connect to addition	9,500	sf	5.00	\$47,500	\$11,875	\$59,375		1

Architectural Work Subtotal:				\$1,221,500			\$1,526,875	
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MECHANICAL WORK

H.V.A.C.

Replace Boiler/pumps (elementary)	2	ea	100,000.00	\$200,000	\$50,000	\$250,000		1
Replace Condensate Pump Units	2	ea	15,000.00	\$30,000	\$7,500	\$37,500		1
Replace indoor Air Handling Units	2	ea	30,000.00	\$60,000	\$15,000	\$75,000		1
Replace Office Heat/Vent units with new Roof Top	1	ea	20,000.00	\$20,000	\$5,000	\$25,000	5 Ton RTU	1
Replace Classroom Heating and Ventilation Units	5	ea	25,000.00	\$125,000	\$31,250	\$156,250		1
Replace Gym Heating & Ventilation unit	1	ea	40,000.00	\$40,000	\$10,000	\$50,000		1
Add AC to Tech Closet	1	ea	10,000.00	\$10,000	\$2,500	\$12,500	MDF	1
Replace Steam Humidifiers	2	ea	8,000.00	\$16,000	\$4,000	\$20,000		1
Replace Cabinet Unit Heaters	6	ea	5,000.00	\$30,000	\$7,500	\$37,500		1
Replace Exhaust Fans	4	ea	4,000.00	\$16,000	\$4,000	\$20,000		1

Temperature Controls

Replace all pneumatic controls with Digital	44,745	SF	2.25	\$100,700	\$25,175	\$125,875		1
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Mechanical Work Subtotal:				\$647,700			\$809,625	
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ELECTRICAL WORK

Electrical-Power

Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
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Lighting

Upgrade Site Lighting	1	LS	30,000.00	\$30,000	\$7,500	\$37,500		1
Upgrade Exterior building mounted Lighting	1	LS	14,000.00	\$14,000	\$3,500	\$17,500		1
Add Occupancy Sensors	1	LS	7,000.00	\$7,000	\$1,750	\$8,750		1
Upgrade Showcase Lighting	1	LS	1,500.00	\$1,500	\$375	\$1,875		1

Electrical Work Subtotal:				\$57,500			\$71,875	
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MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Adams Elementary School
1005 Adams St., Midland, MI 48642
Building Project Work List

Date: 10/1/2014 site visit: 6/30/2014
Grades: K-5 enrollment: x
Year Built: 1962
Building Size: 44,725 capacity: x
Site Size: 16.000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure

Remove Category 5 and/or supporting legacy cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			1
Fiber backbone to IDFs for 10G	1	ea	2,500.00	\$2,500	\$625	\$3,125			1
Additional voice/data structured cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			1
Allowance for cabling to support series 2 needs	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			2

Network / Wireless / Phone

Replace network infr. - building core	1	ea	13,000.00	\$13,000	\$3,250	\$16,250			2
Replace network infr. - edge switches	11	ea	4,200.00	\$46,200	\$11,550	\$57,750	Based on existing plus 1 per closet growth		2
Replace UPS in each telecommunication room	2	ea	3,000.00	\$6,000	\$1,500	\$7,500			2
Network infrastructure for Series 1 needs	1	ls	16,300.00	\$16,300	\$4,075	\$20,375			1
Replace wireless infrastructure	34	ea	950.00	\$32,300	\$8,075	\$40,375			2
Replace phone system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			2

Clock System

Replace clock system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			1
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Security

Video surveillance	1	ls	18,000.00	\$18,000	\$4,500	\$22,500			1
Expand access control	1	ls	9,500.00	\$9,500	\$2,375	\$11,875			1
Install district-wide PA system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			1

Technology Infrastructure Subtotal: \$233,800 \$292,250

Remodeling Subtotal: \$2,160,500

SITE WORK

Site Infrastructure

Demo modular building & restoration	2	ea	10,000.00	\$20,000	\$5,000	\$25,000	(2) 1000 SF modular buildings and 160'x5'		1
Improve site furnishings	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	bike racks, flag pole, fencing		1
Improve site grading / landscaping	1	allo	25,000.00	\$25,000	\$6,250	\$31,250	lower catch basin at east hard surface play		1
Site Work for Addition	9,500	sf	8.00	\$76,000	\$19,000	\$95,000	utilities, paving, restoration		1

Site Paving

Replace site concrete	1	allo	25,000.00	\$25,000	\$6,250	\$31,250	Remove metal grates in front of exterior dc		1
Repave parking and drives	7	ksf	2,500.00	\$17,500	\$4,375	\$21,875	Replace paved play area		1

Playfields (playground/athletics)

Replace asphalt play area	4	ksf	2,500.00	\$10,000	\$2,500	\$12,500			2
Improve playground / playfield area	1	ls	40,000.00	\$40,000	\$10,000	\$50,000			2

Site Work Subtotal: \$228,500 \$285,625

INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices

Replace teacher/staff laptops	27	ea	1,000.00	\$27,000	\$6,750	\$33,750			1
Mobile devices for teachers/staff	27	ea	650.00	\$17,550	\$4,388	\$21,938			1
Replace student laptop carts	1	ea	34,500.00	\$34,500	\$8,625	\$43,125	Replace laptops only, use existing cart		1
Mobile devices for students (does not include cart)	473	ea	650.00	\$307,450	\$76,863	\$384,313	Based on 2013 enrollment +5%		1
Technology equipment - Series 2	1	ls	386,500.00	\$386,500	\$38,650	\$425,150			2
Technology equipment - Series 3	1	ls	325,000.00	\$325,000	\$32,500	\$357,500			3

Classroom Technologies

Install classroom/lab projectors	24	ea	1,800.00	\$43,200	\$10,800	\$54,000			1
Install sound field amplification	24	ea	1,250.00	\$30,000	\$7,500	\$37,500			1
Document camera	5	ea	550.00	\$2,750	\$688	\$3,438			1
Refresh classroom projector	1	ls	43,200.00	\$43,200	\$10,800	\$54,000			3

Technology Equipment subtotal: \$1,217,150 \$1,414,713

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Adams Elementary School
1005 Adams St., Midland, MI 48642
Building Project Work List

Date: 10/1/2014 site visit: 6/30/2014
Grades: K-5 enrollment: x
Year Built: 1962
Building Size: 44,725 capacity: x
Site Size: 16.000

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS

Replace BW printers	3	ea	600.00	\$1,800	\$450	\$2,250		1
Replace BW MFP printers	2	ea	7,500.00	\$15,000	\$3,750	\$18,750		1
Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		1
Replace Point of Sale (POS) equipment / Food Service	2	ea	1,000.00	\$2,000	\$500	\$2,500		1

Technology - Audiovisual

Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		1
Conference room / IEP displays	1	ls	2,500.00	\$2,500	\$625	\$3,125		1
Enhance gym sound system	1	ea	2,000.00	\$2,000	\$500	\$2,500		1
Digital Signage	1	ea	2,800.00	\$2,800	\$700	\$3,500		1

Furniture & Furnishings

Replacement furniture & furnishings	44,725	ea	1.75	\$78,300	\$9,396	\$87,696	classroom desks and chairs	2
Furniture for Addition	9,500	sf	3.00	\$28,500	\$3,420	\$31,920	cafeteria tables and gym equipment	1

F, F, & E Subtotal:

\$177,900

\$208,491

TOTAL DIRECT COSTS: \$5,589,050

\$6,865,704

Project Contingency: \$558,905
General Conditions: \$97,551
CM Fee / Reimbursables: \$310,099
A/E Fee / Reimbursables: \$310,099

TOTAL PROJECT COSTS: \$6,865,704

\$6,865,704 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees

Building Utilization

Project No.	1
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Name of School Building
Adams Elementary School

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary	9	X	20	=	180
(3-5) Upper Elementary	9	X	25	=	225
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	18				405

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Total Teaching Stations	18	Total Capacity	405
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Current Gr. Structure	K-5	Projected 5-Year Enrollment	385
Proposed Gr. Structure	K-5		

Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	95%
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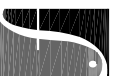
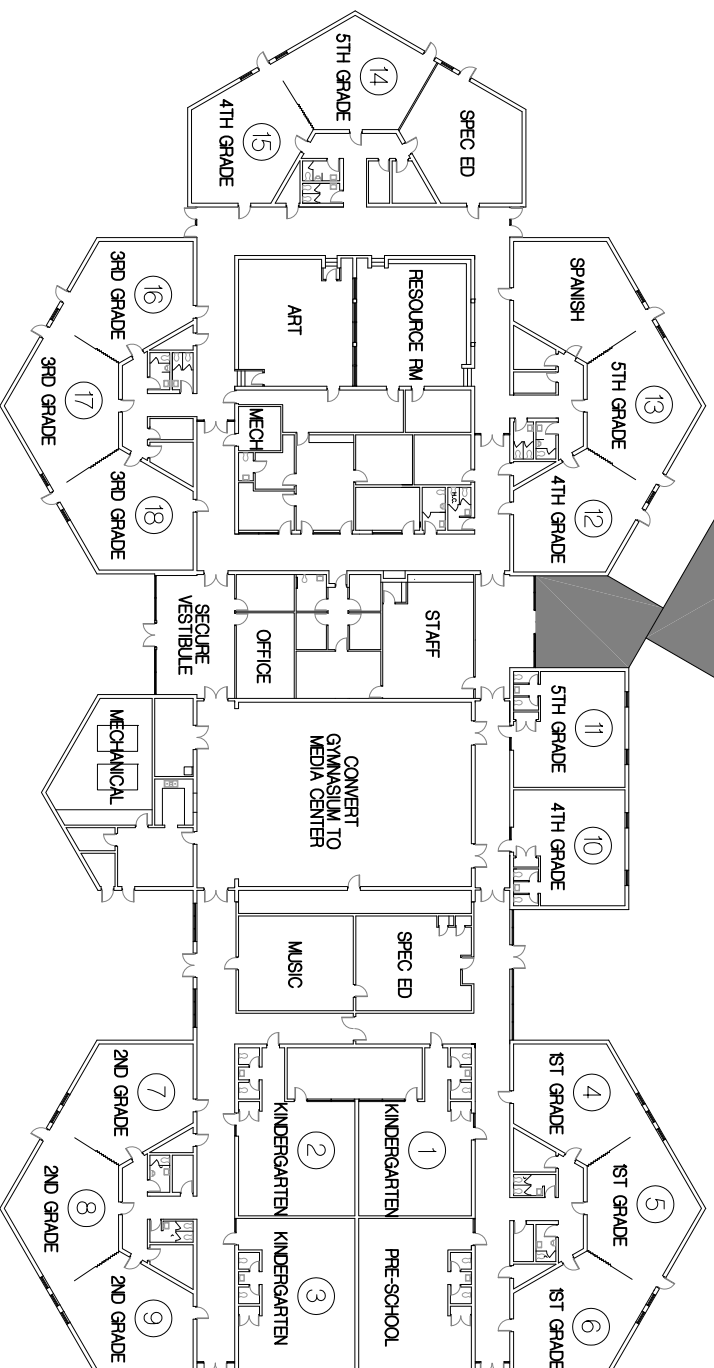
- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Total Teaching Stations	0				

Square Footage for Closed Facility		Total Capacity	0
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Please transfer applicable information to the Utilization Summary on Page 7 of the application.

PROPOSED
GYM / CAFE
ADDITION



architect | interior architect

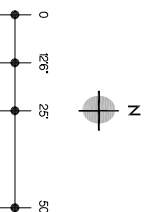
FRENCH
associates

MIDLAND PUBLIC SCHOOLS

adams elementary school

composite plan

october, 2014



STUDENT CAPACITY

9 CR x 20 STUD. - 180

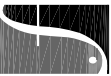
9 CR x 25 STUD. - 225

TOTAL - 405

LEGEND

EXISTING RENOVATE
44,745 SQ. FT.

ADDITION
8,500 SQ. FT.



architect / interior architect

FRENCH
associates

MIDLAND PUBLIC SCHOOLS

adams elementary school

composite site plan

october, 2014



Facility Condition Assessment

Project Number

1
Adams Elementary School

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Recommend replacing HVAC system.

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Recommend adding secure entry.

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.	X		
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.	X		
3.	Water drains quickly from sinks.	X		
4.	Floor area near toilets and sinks is dry.	X		

Overall assessment or comments:

Recommend replacing original single pane windows.

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.	X		
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Recommend adding electrical outlets to classrooms if additional technology is added

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome
French Associates 33304

Signature

Printed Name

Firm Name and License Number

10/1/2014
dalej@frenchaia.com
248-656-7746
248-656-1377

Date

E-mail Address

Fax Number

Area Code and Telephone Number

Project Sheet

Project No.	2
Name of School Building:	Carpenter Elementary School

Description of Series 1 Project: replace mechanical equipment and add electrical.	Instructional Technology Description n/a
Description of Series 2 Project: n/a	
Description of Series 3 Project: n/a	Site Work Description n/a

Type of Project:

New Building → New Construction Square Ft _____ Cost per Sq Ft _____
 Additions(s) → New Addition Square Ft. _____ Cost per Sq Ft _____
☒ Remodeling
 Technology and/or Buses
 Site Work
☒ Facility Closing Demolish ☒ Retain for future use Convert to non-instructional
 Sell or lease Undetermined

Statement describing any existing environmental or usability problems the proposed project will address.
 (ex: asbestos, energy use, or ADA requirements)

n/a

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$0	\$0	\$0	\$0
Remodeling	\$45,000	\$45,000	\$0	\$0
Construction Contingencies	\$4,500	\$4,500	\$0	\$0
Instructional Technology	\$0	\$0	\$0	\$0
Loose Furnishing/Equipment	\$0	\$0	\$0	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$0	\$0	\$0	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$2,925	\$2,925	\$0	\$0
CM Fees and Costs	\$3,825	\$3,825	\$0	\$0
Estimated Costs	\$56,250	\$56,250	\$0	\$0

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Signature	Dale Jerome	French Associates	33304
10/1/2014	Printed Name	Firm Name and License Number	
Date	E-mail Address	Fax Number	Area Code and Telephone Number
	dalej@frenchia.com	248-656-7746	248-656-1377

Category					Direct	Indirect	Total		
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Notes	Series	

MECHANICAL WORK

H.V.A.C.									
Replace Mechanical Equipment	1	ls	40,000.00	\$40,000	\$10,000	\$50,000			1
Mechanical Work Subtotal:				\$40,000			\$50,000		

ELECTRICAL WORK

Electrical-Power									
Electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			1
Electrical Work Subtotal:				\$5,000			\$6,250		

Remodeling Subtotal:	\$45,000
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PROJECT TOTAL:	\$45,000	\$56,250
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Project Contingency	\$4,500
General Conditions	\$900
CM Fee / Reimbursables	\$2,925
A/E Fee / Reimbursables	\$2,925

TOTAL PROJECT COSTS:	\$56,250
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\$56,250 check #

Notes:
Indirect costs include; contingency, general conditions & professional fees

Building Utilization

Project No.	2
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Name of School Building
Carpenter Elementary School

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary	0	X	20	=	0
(3-5) Upper Elementary	0	X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Total Teaching Stations	0	Total Capacity	0
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Current Gr. Structure	K-5	Projected 5-Year Enrollment	0
Proposed Gr. Structure	n/a		

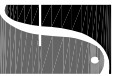
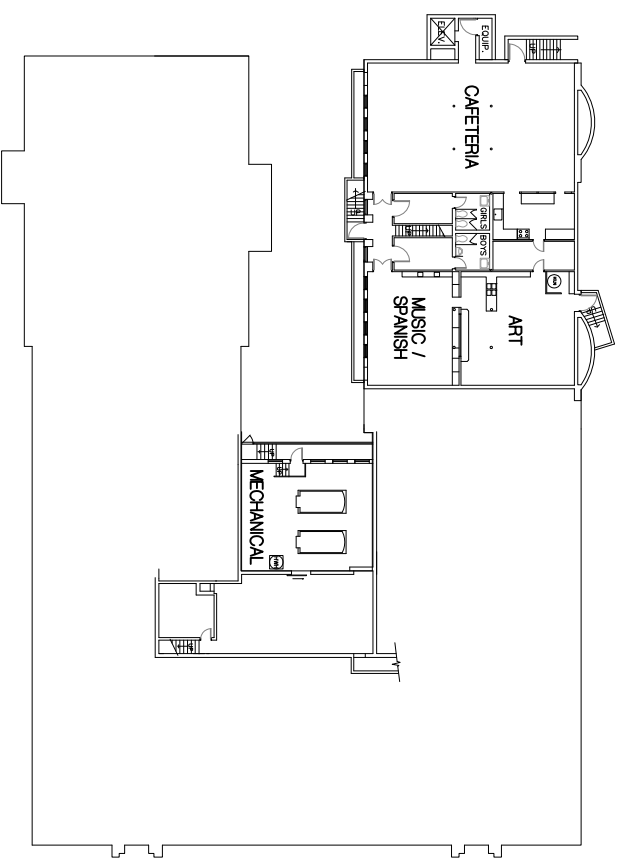
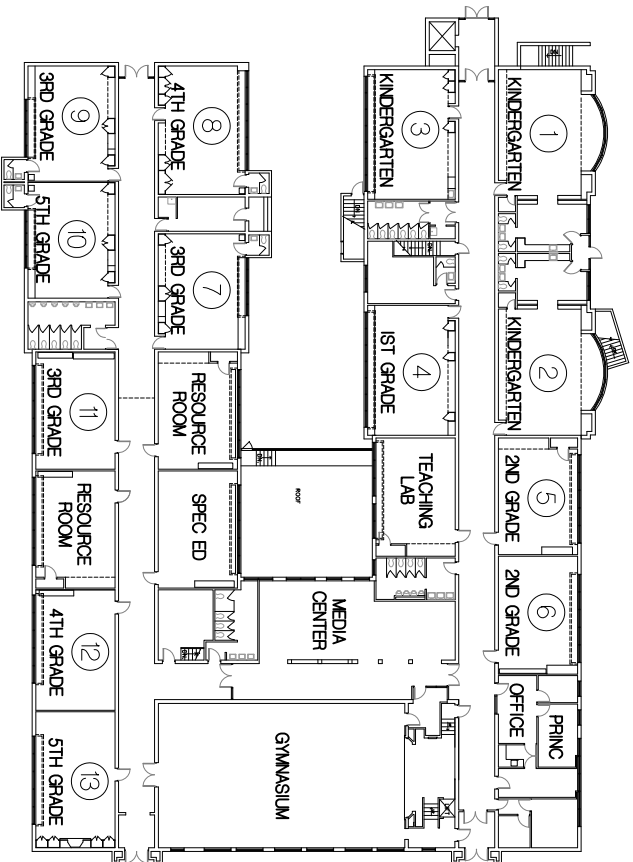
Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	0%
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- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary	6	X	20	=	120
(3-5) Upper Elementary	7	X	25	=	175
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Total Teaching Stations	13				

Square Footage for Closed Facility	37,934	Total Capacity	295
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Please transfer applicable information to the Utilization Summary on Page 7 of the application.



architect d'interior interiors

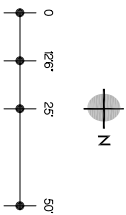
FRENCH
associates

MIDLAND PUBLIC SCHOOLS

carpenter street school

composite plan

october, 2014



STUDENT CAPACITY

6 CR x 20 STUD. - 120

7 CR x 25 STUD. - 175

TOTAL - 295

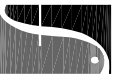
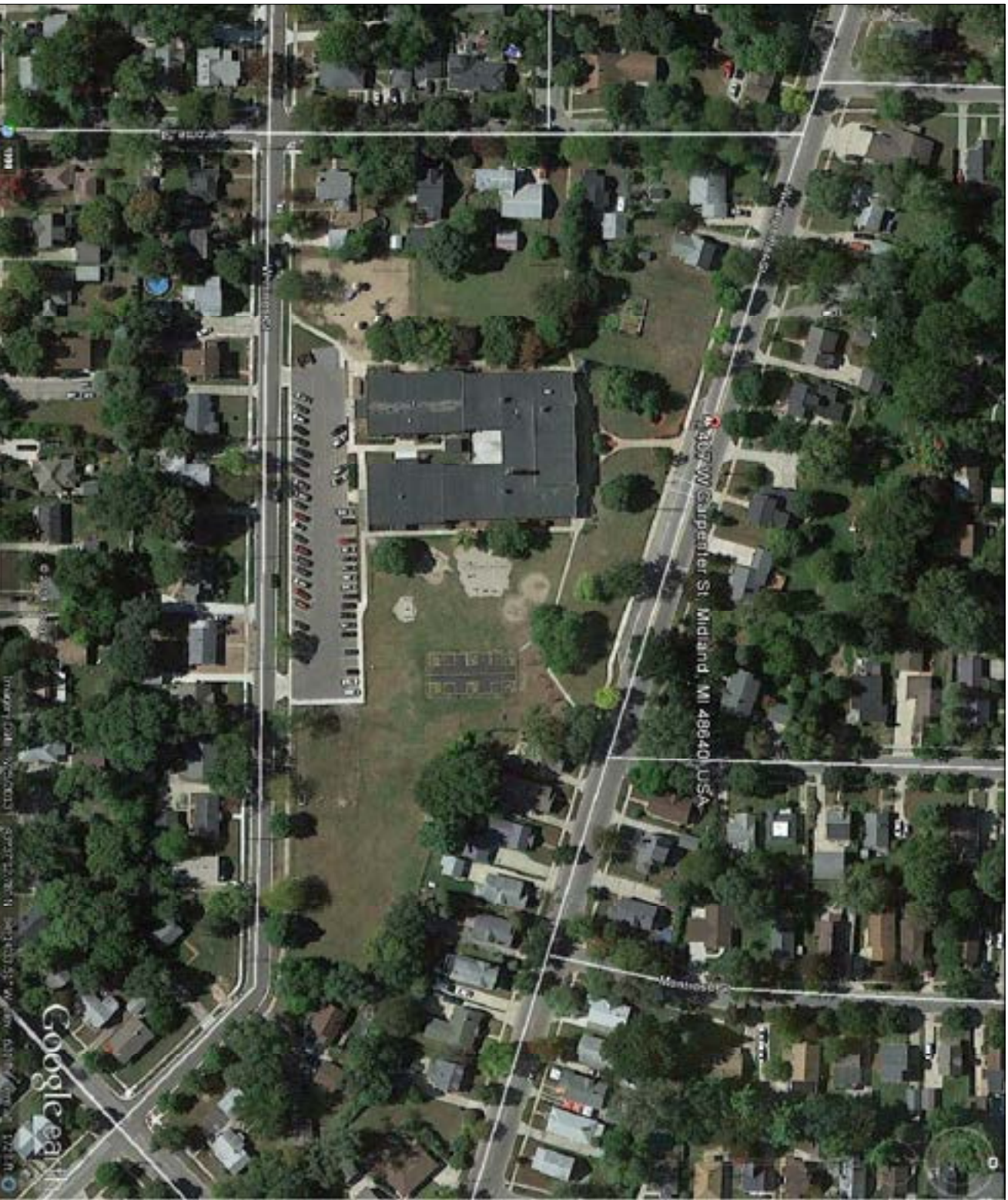
LEGEND

TO BE CLOSED

37,934 SQ. FT.

ADDITION

0 SQ. FT.



midland partners

FRENCH
associates

MIDLAND PUBLIC SCHOOLS
carpenter street school
composite site plan
october, 2014



Facility Condition Assessment

Project Number
2

Carpenter Elementary School

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Recommend replacing HVAC system if building is to remain open

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Recommend adding secure entry if building is to remain open

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.	X		
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.	X		
3.	Water drains quickly from sinks.	X		
4.	Floor area near toilets and sinks is dry.	X		

Overall assessment or comments:

Recommend replacing original single pane windows if building is to remain open

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.	X		
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Recommend adding electrical outlets to classrooms if additional technology is added

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome		French Associates 33304	
Signature	Printed Name	Firm Name and License Number	
10/1/2014	dalej@frenchia.com	248-656-7746	248-656-1377
Date	E-mail Address	Fax Number	Area Code and Telephone Number

Project Sheet

Project No.	3
Name of School Building:	Chestnut Hill Elementary School

Description of Series 1 Project: new multi-purpose addition, building renovations, mechanical upgrades, electrical upgrades, technology infrastructure & equipment, site improvements and furniture replacement	Instructional Technology Description classroom teaching equipment and student devices
Description of Series 2 Project: technology infrastructure and equipment, playground improvements, furniture	
Description of Series 3 Project: technology equipment	Site Work Description demo modular classroom, site infrastructure, paving and playground improvements

Type of Project:

New Building	→ New Construction Square Ft		Cost per Sq Ft	
☒ Additions(s)	→ New Addition Square Ft.	<u>9,500 sf</u>	Cost per Sq Ft	<u>190</u>
☒ Remodeling				
☒ Technology and/or Buses				
☒ Site Work				
Facility Closing	→ Demolish	Retain for future use	Convert to non-instructional	
	Sell or lease	Undetermined		

Statement describing any existing environmental or usability problems the proposed project will address.
 (ex: asbestos, energy use, or ADA requirements)

Remove asbestos

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$1,805,000	\$1,805,000	\$0	\$0
Remodeling	\$2,730,050	\$2,603,500	\$126,550	\$0
Construction Contingencies	\$641,165	\$540,210	\$63,535	\$37,420
Instructional Technology	\$1,239,700	\$469,200	\$396,300	\$374,200
Loose Furnishing/Equipment	\$170,900	\$98,400	\$72,500	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$466,000	\$426,000	\$40,000	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$362,801	\$349,284	\$10,826	\$2,691
CM Fees and Costs	\$476,452	\$457,326	\$15,607	\$3,519
Estimated Costs	\$7,892,068	\$6,748,920	\$725,318	\$417,830

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Signature	Dale Jerome	French Associates	33304
10/1/2014	Printed Name	Firm Name and License Number	
Date	dalej@frenchia.com	248-656-7746	248-656-1377
	E-mail Address	Fax Number	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Chestnut Hill Elementary School
3900 Chestnut Hill St., Midland MI, 48642
Building Project Work List

Date: 10/1/2014 site visit: 6/30/2014
Grades: K-5 enrollment: x
Year Built: 1957
Building Size: 41,407 capacity: x
Site Size: 11.000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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NEW CONSTRUCTION

Addition

Cafeteria/Gym	6,500	sf	190.00	\$1,235,000	\$308,750	\$1,543,750			1
Stage	1,500	sf	190.00	\$285,000	\$71,250	\$356,250			1
Kitchen	400	sf	200.00	\$80,000	\$20,000	\$100,000			1
Toilet Rooms	400	sf	250.00	\$100,000	\$25,000	\$125,000			1
Storage/Circulation	700	sf	150.00	\$105,000	\$26,250	\$131,250			1

New Construction Subtotal:	9,500		190.00	\$1,805,000			\$2,256,250		
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ARCHITECTURAL WORK

Environmental

Abate asbestos floor tile	10	ksf	1,500.00	\$15,000	\$3,750	\$18,750	classrooms 15-22, art room		1
Abate asbestos at mechanical	1	ls	5,000.00	\$5,000	\$1,250	\$6,250			1

Building Envelope

Replace roof system	41,407	sf	9.00	\$372,700	\$93,175	\$465,875	Roof ponding above eastern classroom w/		1
Demo chimney	1	allo	10,000.00	\$10,000	\$2,500	\$12,500			1
Add masonry joints in brick	1	allo	10,000.00	\$10,000	\$2,500	\$12,500			1
Replace doors, frames and hardware	70	ea	3,000.00	\$210,000	\$52,500	\$262,500			1
Replace glazing systems	4,000	sf	60.00	\$240,000	\$60,000	\$300,000			1
Add/adjust downspouts and gutters	1	allo	20,000.00	\$20,000	\$5,000	\$25,000	No downspouts anywhere on building		1

Demolition

Demo pedestals	10	ea	1,000.00	\$10,000	\$2,500	\$12,500	Masonry pedestals in media center		1
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Interior Construction

Replace doors, frames and hardware	27	ea	2,000.00	\$54,000	\$13,500	\$67,500	classrooms only		1
Install sound deadening panels	1	allo	25,000.00	\$25,000	\$6,250	\$31,250	Sound issues/echoes reported in gym/mec		1
Replace flooring	30,000	sf	4.25	\$127,500	\$31,875	\$159,375	Carpet stains in classrooms		1
Replace visual display boards	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	chalk to marker		1
Replace toilet partitions & accessories	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	metal to plastic		1
Replace casework	400	lf	425.00	\$170,000	\$42,500	\$212,500	original wood		1
Remodel toilet rooms	1	ls	8,000.00	\$8,000	\$2,000	\$10,000	"shared" kindergarten restrooms		1
Modify lobby to create secure entrance	1,000	sf	100.00	\$100,000	\$25,000	\$125,000			1
Convert gym to media center	3,000	sf	75.00	\$225,000	\$56,250	\$281,250	includes "Learn Lab"		1
Renovate media center to breakout lab	1,700	sf	50.00	\$85,000	\$21,250	\$106,250			1
Renovations to connect to addition	9,500	sf	5.00	\$47,500	\$11,875	\$59,375			1

Architectural Work Subtotal:				\$1,784,700			\$2,230,875		
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MECHANICAL WORK

Plumbing

Replace galvanized domestic water piping	600	LF	40.00	\$24,000	\$6,000	\$30,000			1
Replace lavatory Faucets	16	ea	250.00	\$4,000	\$1,000	\$5,000			1
Replace DF with EWC w/bottle fill	1	ea	5,000.00	\$5,000	\$1,250	\$6,250			1

H.V.A.C.

Replace Unit Ventilators with new vertical Unit Vents	12	ea	16,000.00	\$192,000	\$48,000	\$240,000			1
Replace indoor Air Handling Units	2	ea	30,000.00	\$60,000	\$15,000	\$75,000			1
Replace Office Heating & Venting Units	1	ea	20,000.00	\$20,000	\$5,000	\$25,000	5 Ton RTU		1
Replace Classroom Heating & Venting Units	3	ea	25,000.00	\$75,000	\$18,750	\$93,750			1
Replace Gym Heating & Venting unit	1	ea	40,000.00	\$40,000	\$10,000	\$50,000			1
Add AC to Tech Closet	2	ea	10,000.00	\$20,000	\$5,000	\$25,000	MDF and IDF		1
Replace Steam Humidifiers	2	ea	8,000.00	\$16,000	\$4,000	\$20,000			1
Replace Cabinet Unit Heaters	6	ea	5,000.00	\$30,000	\$7,500	\$37,500			1
Replace Exhaust Fans	3	ea	4,000.00	\$12,000	\$3,000	\$15,000			1
Replace Relief/Intake Hood	7	ea	2,500.00	\$17,500	\$4,375	\$21,875			1

Temperature Controls

Replace all pneumatic controls with Digital	41,407	SF	2.25	\$93,200	\$23,300	\$116,500			1
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Mechanical Work Subtotal:				\$608,700			\$760,875		
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MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Chestnut Hill Elementary School
3900 Chestnut Hill St., Midland MI, 48642
Building Project Work List

Date: 10/1/2014 site visit: 6/30/2014
Grades: K-5 enrollment: x
Year Built: 1957
Building Size: 41,407 capacity: x
Site Size: 11.000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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ELECTRICAL WORK

Electrical-Power

Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			1
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Lighting

Media Center Dome Lighting	1	ls	10,000.00	\$10,000	\$2,500	\$12,500			1
Upgrade Gym Lighting	1	ls	30,000.00	\$30,000	\$7,500	\$37,500	Lighting updated in 2004		1
Upgrade Site Lighting	1	ls	30,000.00	\$30,000	\$7,500	\$37,500	Lighting updated in 2004		1
Upgrade Exterior building mounted Lighting	1	ls	9,800.00	\$9,800	\$2,450	\$12,250	Lighting updated in 2004		1
Add Exterior Emergency Egress Lighting	1	ls	12,000.00	\$12,000	\$3,000	\$15,000			1
Add Occupancy Sensors	1	LS	7,000.00	\$7,000	\$1,750	\$8,750			1

Electrical Work Subtotal:				\$103,800			\$129,750		
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TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure

Remove Category 5 and/or supporting legacy cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			1
Fiber backbone to IDF's for 10G	1	ea	2,500.00	\$2,500	\$625	\$3,125			1
Additional voice/data structured cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			1
Allowance for cabling to support series 2 needs	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			2

Network / Wireless / Phone

Replace network infr. - building core	1	ea	13,000.00	\$13,000	\$3,250	\$16,250			2
Replace network infr. - edge switches	11	ea	4,200.00	\$46,200	\$11,550	\$57,750	Based on existing plus 1 per closet growth		2
Replace UPS in each telecommunication room	2	ea	3,000.00	\$6,000	\$1,500	\$7,500			2
Network infrastructure for Series 1 needs	1	ls	16,300.00	\$16,300	\$4,075	\$20,375			1
Replace wireless infrastructure	33	ea	950.00	\$31,350	\$7,838	\$39,188			2
Replace phone system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			2

Clock System

Replace clock system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			1
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Security

Video surveillance	1	ls	18,000.00	\$18,000	\$4,500	\$22,500			1
Expand access control	1	ls	9,500.00	\$9,500	\$2,375	\$11,875			1
Install district-wide PA system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			1

Technology Infrastructure Subtotal:				\$232,850			\$291,063		
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Remodeling Subtotal:				\$2,730,050					
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SITE WORK

Site Infrastructure

Demo modular building & restoration	2	ea	10,000.00	\$20,000	\$5,000	\$25,000			1
Improve site furnishings	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	bike racks, flag pole, fencing		1
Improve site grading / landscaping	1	allo	75,000.00	\$75,000	\$18,750	\$93,750	Overgrown fence line, french drain around		1
Site Work for Addition	9,500	sf	8.00	\$76,000	\$19,000	\$95,000	utilities, paving, restoration		1

Site Paving

Replace site concrete	1	allo	25,000.00	\$25,000	\$6,250	\$31,250	Extend parking lot and sidewalk to east, re		1
Repave parking and drives	26	ksf	2,500.00	\$65,000	\$16,250	\$81,250	South parking lot repairs		1
Install new parking areas (w/ storm system)	20	ksf	7,500.00	\$150,000	\$37,500	\$187,500	Extend south parking lot to east		1

Playfields (playground/athletics)

Improve playground / playfield area	1	ls	40,000.00	\$40,000	\$10,000	\$50,000	New play area needed		2
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Site Work Subtotal:				\$466,000			\$582,500		
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MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Chestnut Hill Elementary School
3900 Chestnut Hill St., Midland MI, 48642
Building Project Work List

Date: 10/1/2014 site visit: 6/30/2014
Grades: K-5 enrollment: x
Year Built: 1957
Building Size: 41,407 capacity: x
Site Size: 11.000

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices

Replace teacher/staff laptops	29	ea	1,000.00	\$29,000	\$7,250	\$36,250		1
Mobile devices for teachers/staff	29	ea	650.00	\$18,850	\$4,713	\$23,563		1
Replace student laptop carts	1	ea	34,500.00	\$34,500	\$8,625	\$43,125	Replace laptops only, use existing cart	1
Mobile devices for students (does not include cart)	483	ea	650.00	\$313,950	\$78,488	\$392,438	Based on 2013 enrollment +5%	1
Technology equipment - Series 2	1	ls	396,300.00	\$396,300	\$39,630	\$435,930		2
Technology equipment - Series 3	1	ls	332,800.00	\$332,800	\$33,280	\$366,080		3

Classroom Technologies

Install classroom/lab projectors	23	ea	1,800.00	\$41,400	\$10,350	\$51,750		1
Install sound field amplification	23	ea	1,250.00	\$28,750	\$7,188	\$35,938		1
Document camera	5	ea	550.00	\$2,750	\$688	\$3,438		1
Refresh classroom projector	1	ls	41,400.00	\$41,400	\$10,350	\$51,750		3

Technology Equipment Subtotal:	\$1,239,700	\$1,440,260
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FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS

Replace BW printers	1	ea	600.00	\$600	\$150	\$750		1
Replace BW MFP printers	2	ea	7,500.00	\$15,000	\$3,750	\$18,750		1
Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		1
Replace Point of Sale (POS) equipment / Food Service	2	ea	1,000.00	\$2,000	\$500	\$2,500		1

Technology - Audiovisual

Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		1
Conference room / IEP displays	1	ls	2,500.00	\$2,500	\$625	\$3,125		1
Enhance gym sound system	1	ea	2,000.00	\$2,000	\$500	\$2,500		1
Digital Signage	1	ea	2,800.00	\$2,800	\$700	\$3,500		1

Furniture & Furnishings

Replacement furniture & furnishings	41,407	sf	1.75	\$72,500	\$8,700	\$81,200	classroom desks and chairs	2
Furniture for Addition	9,500	sf	3.00	\$28,500	\$3,420	\$31,920	cafeteria tables and gym equipment	1

F, F, & E Subtotal:	\$170,900	\$200,495
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TOTAL DIRECT COSTS:	\$6,411,650	\$7,892,068
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Project Contingency: \$641,165
General Conditions: \$113,651
CM Fee / Reimbursables: \$362,801
A/E Fee / Reimbursables: \$362,801

TOTAL PROJECT COSTS:	\$7,892,068
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\$7,892,068 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees

Building Utilization

Project No.	3
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Name of School Building
Chestnut Hill Elementary School

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary	9	X	20	=	180
(3-5) Upper Elementary	9	X	25	=	225
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	18				405

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Total Teaching Stations	18	Total Capacity	405
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Current Gr. Structure	K-5	Projected 5-Year Enrollment	385
Proposed Gr. Structure	K-5		

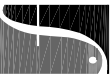
Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	95%
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- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Total Teaching Stations	0				

Square Footage for Closed Facility		Total Capacity	0
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Please transfer applicable information to the Utilization Summary on Page 7 of the application.

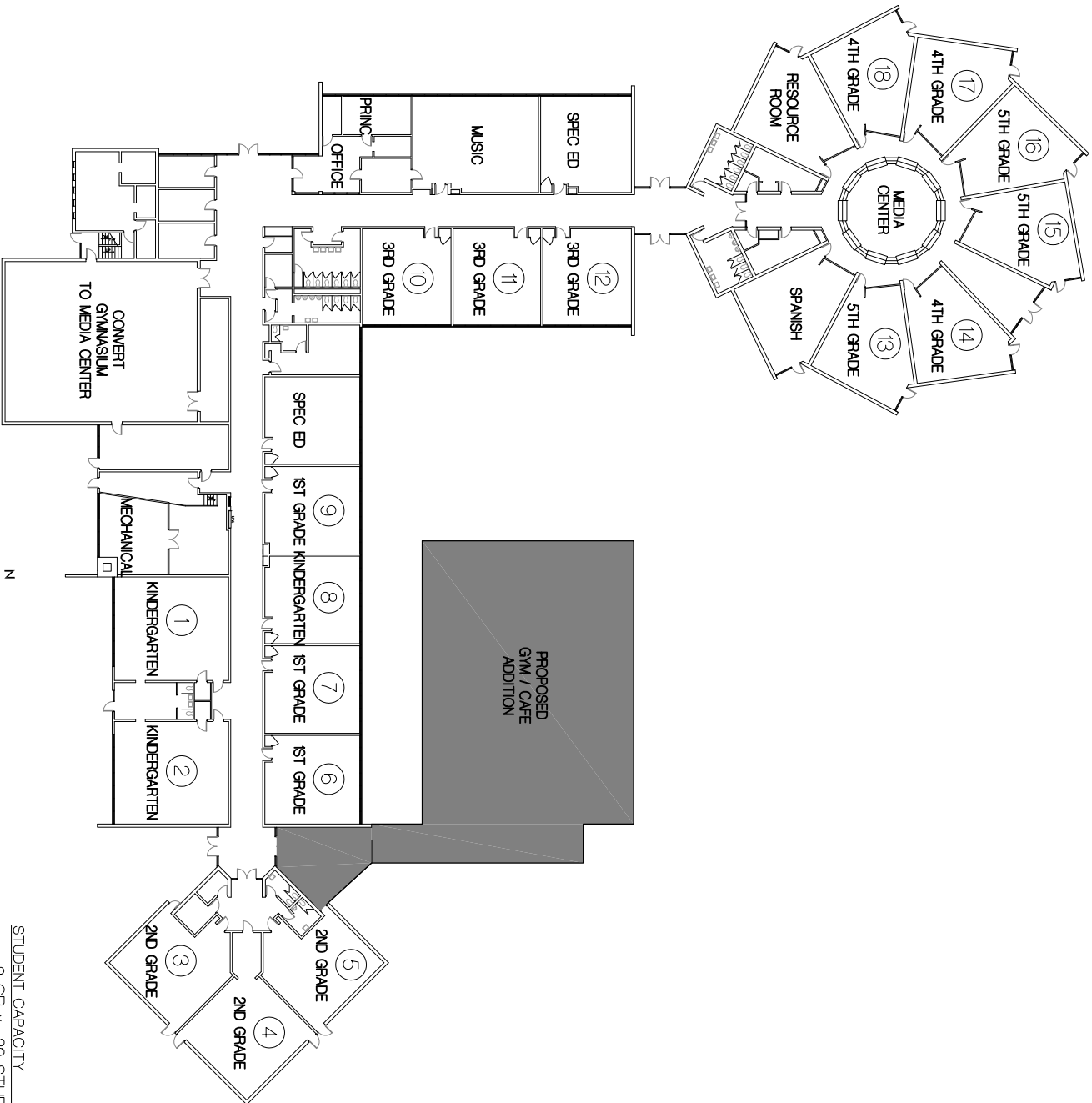


FRENCH
MIDLAND PUBLIC SCHOOLS
associates

architect: daniel mitchell

chestnut hill elementary school composite plan

october, 2014

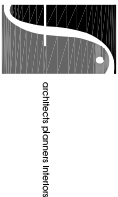
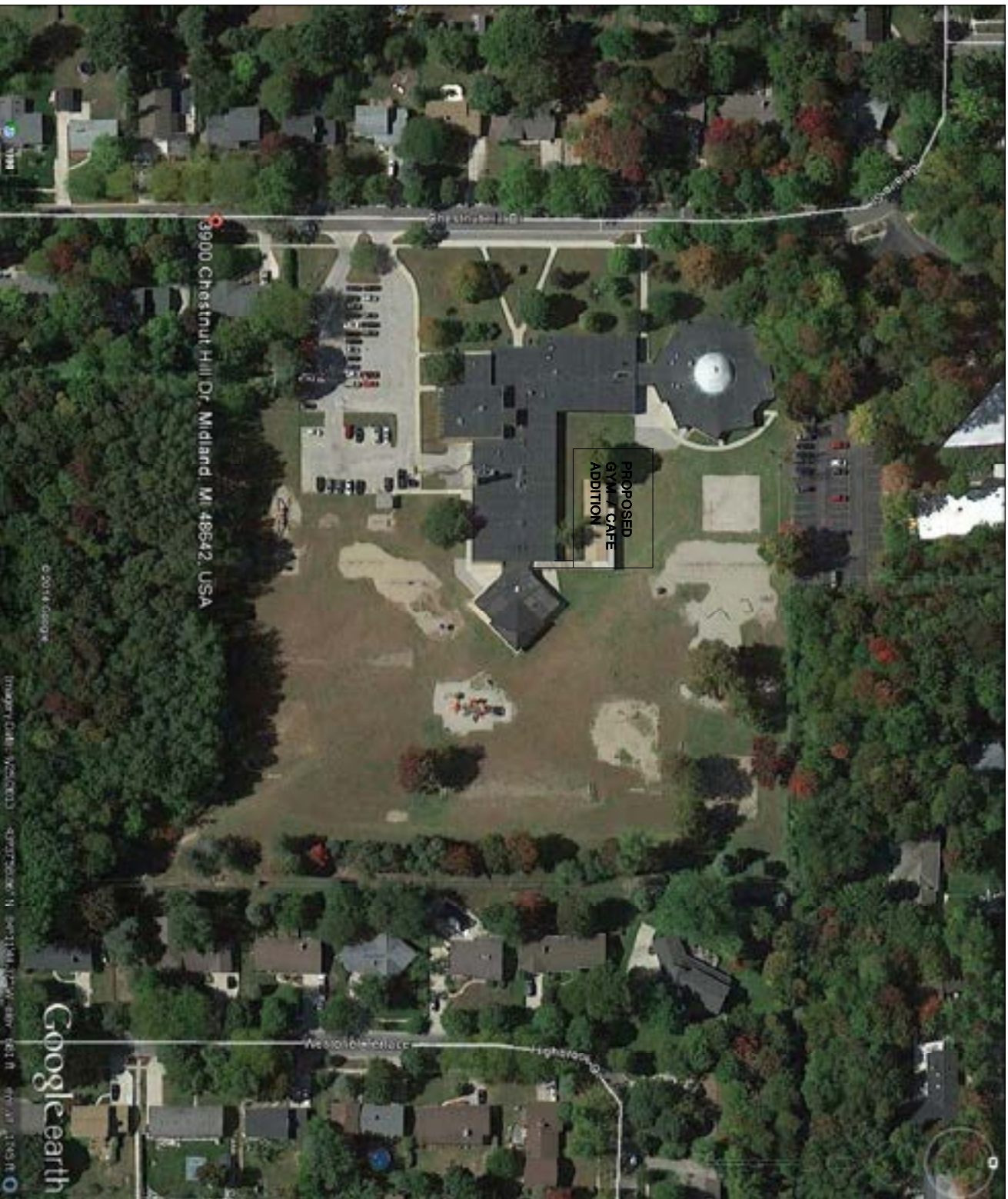


STUDENT CAPACITY

9 CR x 20 STUD. - 180
9 CR x 25 STUD. - 225
TOTAL - 405

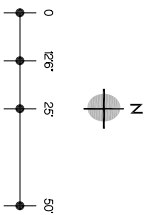
LEGEND

EXISTING RENOVATE
41,407 SQ. FT.
ADDITION
8,500 SQ. FT.



FRENCH
associates

MIDLAND PUBLIC SCHOOLS
chestnut hill elementary school
composite site plan
october, 2014



Facility Condition Assessment

Project Number

3
Chestnut Hill Elementary School

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Recommend replacing HVAC system.

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Recommend adding secure entry.

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.		X	
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Recommend partial roof replacement

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.	X		
3.	Water drains quickly from sinks.	X		
4.	Floor area near toilets and sinks is dry.	X		

Overall assessment or comments:

Recommend replacing original single pane windows.

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.	X		
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Recommend adding electrical outlets to classrooms if additional technology is added

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome
French Associates 33304

Signature

Printed Name

Firm Name and License Number

10/1/2014
dalej@frenchaia.com
248-656-7746
248-656-1377

Date

E-mail Address

Fax Number

Area Code and Telephone Number

Project Sheet

Project No.	4
Name of School Building:	Eastlawn Elementary School

Description of Series 1 Project: n/a	Instructional Technology Description n/a
Description of Series 2 Project: demolish building and restore site	
Description of Series 3 Project: n/a	Site Work Description Demolish building and restore site

Type of Project:

New Building → New Construction Square Ft _____ Cost per Sq Ft _____
 Additions(s) → New Addition Square Ft. _____ Cost per Sq Ft _____
 Remodeling _____
 Technology and/or Buses _____
 Site Work _____
☒ Facility Closing ☒ Demolish Retain for future use Convert to non-instructional
 Sell or lease Undetermined

Statement describing any existing environmental or usability problems the proposed project will address.
(ex: asbestos, energy use, or ADA requirements)

Remove asbestos

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$0	\$0	\$0	\$0
Remodeling	\$101,400	\$0	\$101,400	\$0
Construction Contingencies	\$40,570	\$0	\$40,570	\$0
Instructional Technology	\$0	\$0	\$0	\$0
Loose Furnishing/Equipment	\$0	\$0	\$0	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$304,300	\$0	\$304,300	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$26,371	\$0	\$26,371	\$0
CM Fees and Costs	\$34,485	\$0	\$34,485	\$0
Estimated Costs	\$507,125	\$0	\$507,125	\$0

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Signature	Dale Jerome	French Associates	33304
10/1/2014	Printed Name	Firm Name and License Number	
Date	dalej@frenchia.com	248-656-7746	248-656-1377
	E-mail Address	Fax Number	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Eastlawn Elementary School 115 Eastlawn Dr., Midland, MI 48640 Building Project Work List	Date: 10/1/2014	site visit: 6/30/2014
	Grades: K-5	enrollment: x
	Year Built: 1945	
	Building Size: 50,710	capacity: x
	Site Size: 8.000	

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

ARCHITECTURAL WORK

<u>Environmental</u>								
Abate asbestos for building demolition	50,710	sf	2.00	\$101,400	\$25,350	\$126,750		2
Architectural Work Subtotal:				\$101,400			\$126,750	
Remodeling Subtotal:				\$101,400				

SITE WORK

<u>Site Infrastructure</u>								
Demo building & restoration	50,710	sf	6.00	\$304,300	\$76,075	\$380,375		2
Site Work Subtotal:				\$304,300			\$380,375	

TOTAL DIRECT COSTS:				\$405,700			\$507,125	
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Project Contingency:	\$40,570
General Conditions:	\$8,114
CM Fee / Reimbursables:	\$26,371
A/E Fee / Reimbursables:	\$26,371

TOTAL PROJECT COSTS:	\$507,125	\$507,125	check #
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Notes:
Indirect costs include; contingency, general conditions & professional fees

Building Utilization

Project No.	4
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Name of School Building
Eastlawn Elementary School

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary	0	X	20	=	0
(3-5) Upper Elementary	0	X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Total Teaching Stations	0	Total Capacity	0
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Current Gr. Structure	K-5	Projected 5-Year Enrollment	0
Proposed Gr. Structure	n/a		

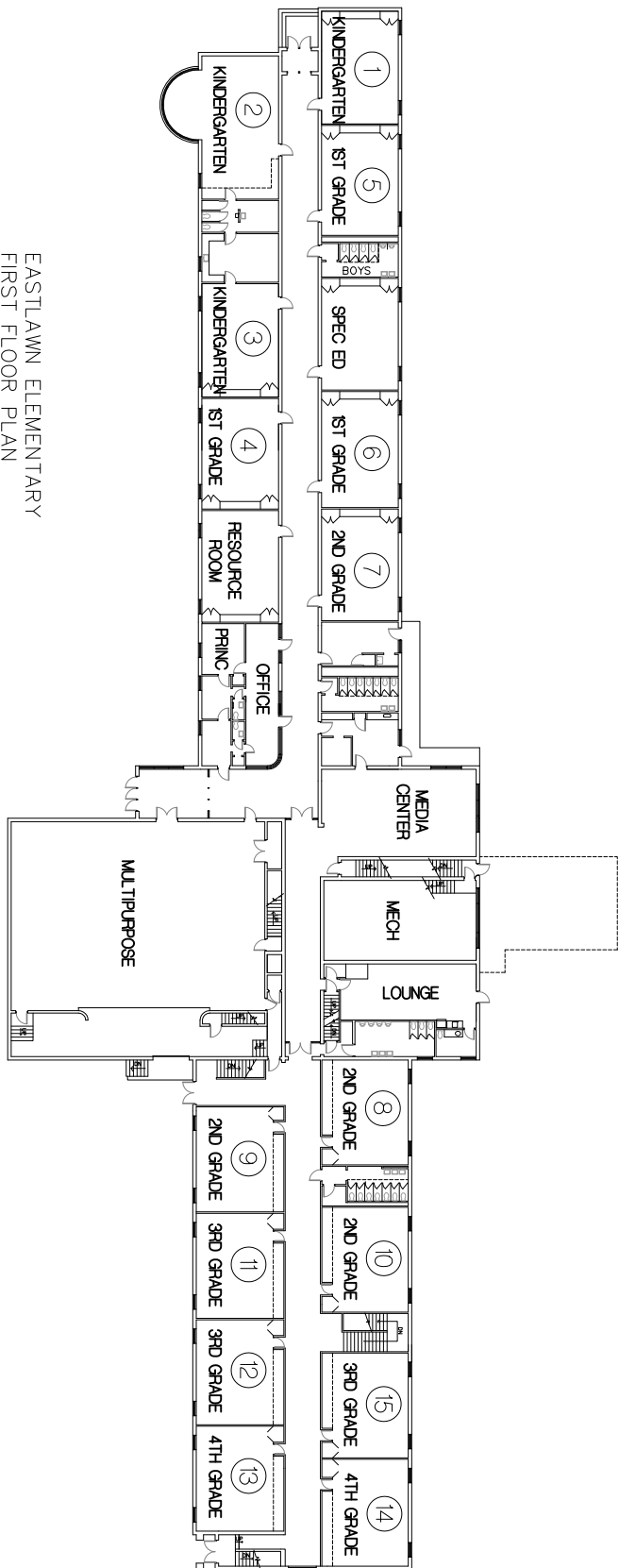
Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	0%
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- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

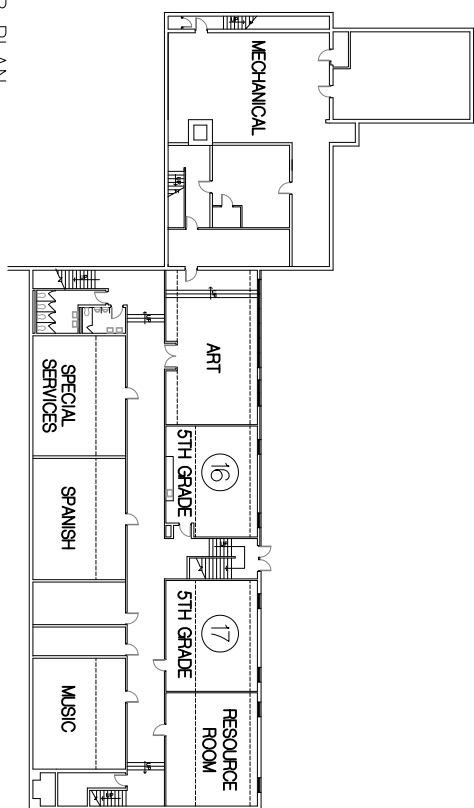
Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary	10	X	20	=	200
(3-5) Upper Elementary	7	X	25	=	175
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Total Teaching Stations	17				

Square Footage for Closed Facility	50,710	Total Capacity	375
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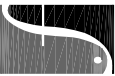
Please transfer applicable information to the Utilization Summary on Page 7 of the application.



EASTLAWN ELEMENTARY
FIRST FLOOR PLAN



BASEMENT FLOOR PLAN



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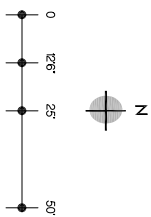
architect/planner/interior

MIDLAND PUBLIC SCHOOLS

eastlawn elementary school

composite plan

october, 2014



STUDENT CAPACITY

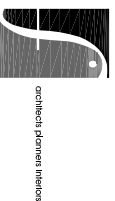
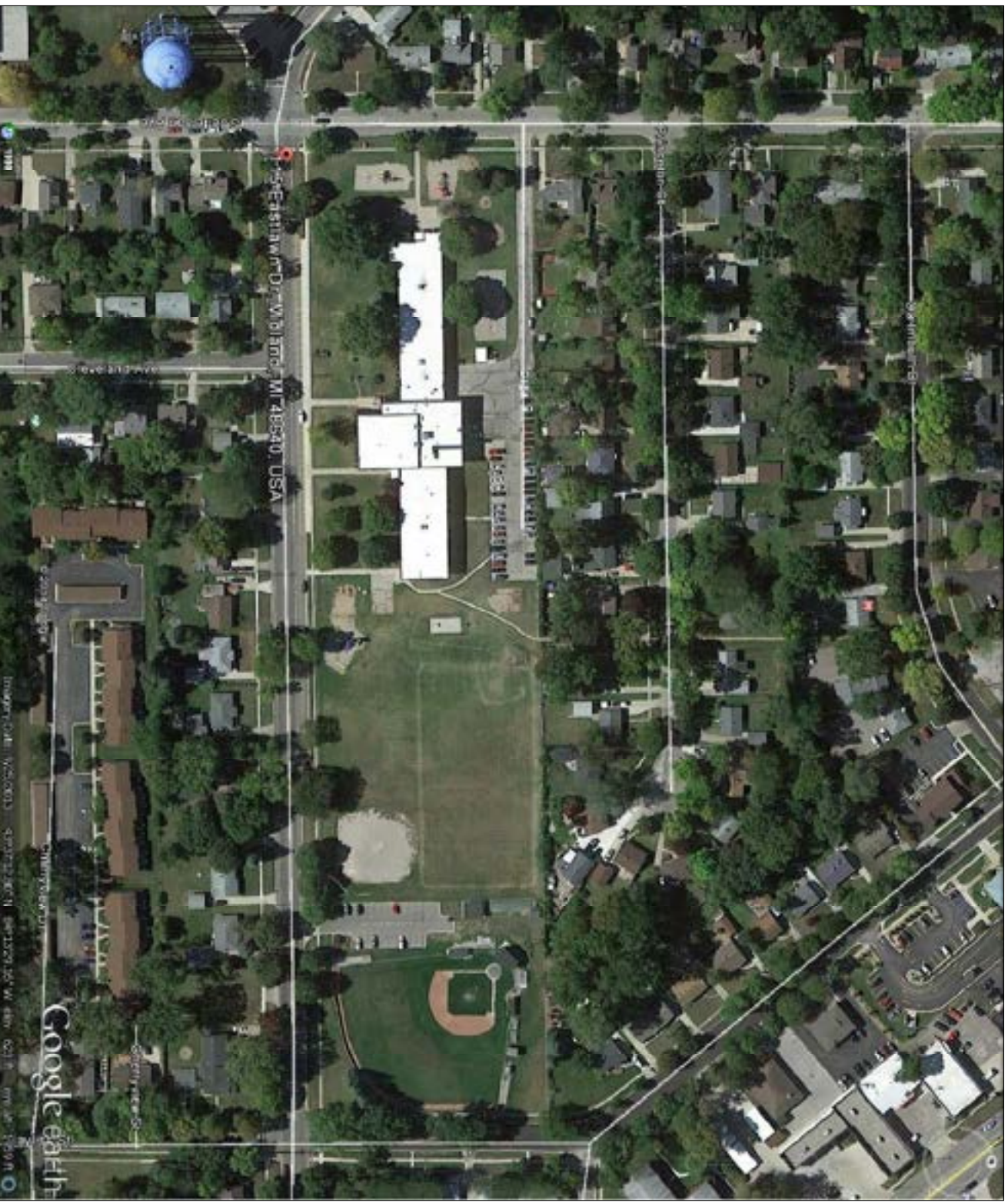
10 CR x 20 STUD. - 200

7 CR x 25 STUD. - 175

TOTAL - 375

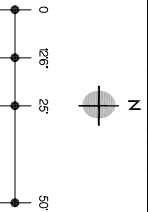
LEGEND

TO BE CLOSED
50,710 SQ. FT.
ADDITION
0 SQ. FT.



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MIDLAND PUBLIC SCHOOLS
eastlawn elementary school
composite site plan
october, 2014



Facility Condition Assessment

Project Number
4

Eastlawn Elementary School

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Recommend replacing HVAC system if building is to remain open

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Recommend adding secure entry if building is to remain open

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.	X		
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.	X		
3.	Water drains quickly from sinks.	X		
4.	Floor area near toilets and sinks is dry.	X		

Overall assessment or comments:

Recommend replacing original single pane windows if building is to remain open

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.	X		
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Recommend adding electrical outlets to classrooms if additional technology is added

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome		French Associates 33304	
Signature	Printed Name	Firm Name and License Number	
10/1/2014	dalej@frenchia.com	248-656-7746	248-656-1377
Date	E-mail Address	Fax Number	Area Code and Telephone Number

Project Sheet

Project No.	5
Name of School Building:	Plymouth Elementary School

Description of Series 1 Project: new multi-purpose addition, building renovations, mechanical upgrades, electrical upgrades, technology infrastructure & equipment, site improvements and furniture replacement	Instructional Technology Description classroom teaching equipment and student devices
Description of Series 2 Project: technology infrastructure and equipment, playground improvements, furniture	
Description of Series 3 Project: technology equipment	Site Work Description site infrastructure, paving and playground improvements

Type of Project:

☐ New Building	→ New Construction Square Ft		Cost per Sq Ft	
☒ Additions(s)	→ New Addition Square Ft.	9,500 sf	Cost per Sq Ft	190
☒ Remodeling				
☒ Technology and/or Buses				
☒ Site Work				
☐ Facility Closing	☐ Demolish	☐ Retain for future use	☐ Convert to non-instructional	
	☐ Sell or lease	☐ Undetermined		

Statement describing any existing environmental or usability problems the proposed project will address.
(ex: asbestos, energy use, or ADA requirements)

Remove asbestos

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$1,805,000	\$1,805,000	\$0	\$0
Remodeling	\$2,307,750	\$2,177,400	\$130,350	\$0
Construction Contingencies	\$593,755	\$487,750	\$65,995	\$40,010
Instructional Technology	\$1,324,650	\$506,350	\$418,200	\$400,100
Loose Furnishing/Equipment	\$176,650	\$105,250	\$71,400	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$323,500	\$283,500	\$40,000	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$329,534	\$315,185	\$11,073	\$3,276
CM Fees and Costs	\$432,927	\$412,735	\$15,908	\$4,284
Estimated Costs	\$7,293,766	\$6,093,170	\$752,926	\$447,670

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Dale Jerome	French Associates	33304
Signature	Printed Name	Firm Name and License Number
10/1/2014	dalej@frenchia.com	248-656-1377
Date	E-mail Address	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Plymouth Elementary School
1105 E. Sugnet Rd., Midland, MI 48642
Building Project Work List

Date: 10/1/2014 site visit: 6/30/2014
Grades: K-5 enrollment: x
Year Built: 1952
Building Size: 40,812 capacity: x
Site Size: 14.000

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

NEW CONSTRUCTION

Addition

Cafeteria/Gym	6,500	sf	190.00	\$1,235,000	\$308,750	\$1,543,750		1
Stage	1,500	sf	190.00	\$285,000	\$71,250	\$356,250		1
Kitchen	400	sf	200.00	\$80,000	\$20,000	\$100,000		1
Toilet Rooms	400	sf	250.00	\$100,000	\$25,000	\$125,000		1
Storage/Circulation	700	sf	150.00	\$105,000	\$26,250	\$131,250		1

New Construction Subtotal:	9,500		190.00	\$1,805,000		\$2,256,250		
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ARCHITECTURAL WORK

Environmental

Abate asbestos floor tile	26	ksf	1,500.00	\$39,000	\$9,750	\$48,750		1
Abate asbestos at mechanical	1	ls	5,000.00	\$5,000	\$1,250	\$6,250		1

Building Envelope

Add masonry joints in brick	1,600	sf	10.00	\$16,000	\$4,000	\$20,000	bottom 2' of front and back walls	1
Replace doors, frames and hardware	70	ea	3,000.00	\$210,000	\$52,500	\$262,500		1
Replace glazing systems	4,800	sf	60.00	\$288,000	\$72,000	\$360,000		1

Interior Construction

Replace doors, frames and hardware	26	ea	2,000.00	\$52,000	\$13,000	\$65,000	classrooms only	1
Replace flooring	35,000	sf	4.25	\$148,800	\$37,200	\$186,000		1
Replace visual display boards	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	chalk to marker	1
Replace toilet partitions & accessories	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	metal to plastic	1
Replace casework	400	lf	425.00	\$170,000	\$42,500	\$212,500	original wood	1
Remodel toilet rooms	1	ls	8,000.00	\$8,000	\$2,000	\$10,000	"shared" kindergarten restrooms, other res	1
Renovate media center to secure main office	1,500	sf	100.00	\$150,000	\$37,500	\$187,500		1
Modify lobby to create secure entrance	500	sf	100.00	\$50,000	\$12,500	\$62,500		1
Convert gym to media center	2,000	sf	75.00	\$150,000	\$37,500	\$187,500	includes "Learn Lab"	1
Renovations to connect to addition	9,500	allo	5.00	\$47,500	\$11,875	\$59,375		1

Architectural Work Subtotal:				\$1,384,300		\$1,730,375		
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MECHANICAL WORK

H.V.A.C.

Replace rusted boiler stacks	2	ea	5,000.00	\$10,000	\$2,500	\$12,500		1
Replace Unit Ventilators with new vertical Unit Vents	21	ea	16,000.00	\$336,000	\$84,000	\$420,000		1
Replace Classroom Heating & Venting Units	2	ea	25,000.00	\$50,000	\$12,500	\$62,500		1
Replace Gym Heating & Venting	1	ea	40,000.00	\$40,000	\$10,000	\$50,000		1
Add AC to Tech Closet	1	ea	10,000.00	\$10,000	\$2,500	\$12,500	MDF	1
Replace Cabinet Unit Heaters	6	ea	5,000.00	\$30,000	\$7,500	\$37,500		1
Replace Exhaust Fans	4	ea	4,000.00	\$16,000	\$4,000	\$20,000		1

Temperature Controls

Replace all pneumatic controls with Digital	40,812	SF	2.25	\$91,800	\$22,950	\$114,750		1
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Mechanical Work Subtotal:				\$583,800		\$729,750		
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ELECTRICAL WORK

Electrical-Power

Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
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Lighting

Upgrade Site Lighting	1	ls	49,000.00	\$49,000	\$12,250	\$61,250		1
Upgrade Exterior building mounted Lighting	1	ls	24,000.00	\$24,000	\$6,000	\$30,000		1
Add Occupancy Sensors	1	LS	7,000.00	\$7,000	\$1,750	\$8,750		1

Electrical Work Subtotal:				\$85,000		\$106,250		
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MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Plymouth Elementary School
1105 E. Sugnet Rd., Midland, MI 48642
Building Project Work List

Date: 10/1/2014 site visit: 6/30/2014
Grades: K-5 enrollment: x
Year Built: 1952
Building Size: 40,812 capacity: x
Site Size: 14.000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure

Remove Category 5 and/or supporting legacy cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			1
Fiber backbone to IDF's for 10G	1	ea	2,500.00	\$2,500	\$625	\$3,125			1
Additional voice/data structured cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			1
Allowance for cabling to support series 2 needs	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			2
Replace fiber to MS for dedicated line to Admin	1	ea	18,000.00	\$18,000	\$4,500	\$22,500			1

Network / Wireless / Phone

Replace network infr. - building core	1	ea	13,000.00	\$13,000	\$3,250	\$16,250			2
Replace network infr. - edge switches	11	ea	4,200.00	\$46,200	\$11,550	\$57,750	Based on existing plus 1 per closet growth		2
Replace UPS in each telecommunication room	2	ea	3,000.00	\$6,000	\$1,500	\$7,500			2
Network infrastructure for Series 1 needs	1	ls	16,300.00	\$16,300	\$4,075	\$20,375			1
Replace wireless infrastructure	37	ea	950.00	\$35,150	\$8,788	\$43,938			2
Replace phone system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			2

Clock System

Replace clock system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			1
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Security

Video surveillance	1	ls	18,000.00	\$18,000	\$4,500	\$22,500			1
Expand access control	1	ls	9,500.00	\$9,500	\$2,375	\$11,875			1
Install district-wide PA system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			1

Technology Infrastructure Subtotal:

\$254,650

\$318,313

Remodeling Subtotal:

\$2,307,750

SITE WORK

Site Infrastructure

Improve site furnishings	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	bike racks, flag pole, fencing		1
Improve site grading / landscaping	1	allo	30,000.00	\$30,000	\$7,500	\$37,500	Poor drainage in play area, improve court		1
Site Work for Addition	9,500	sf	8.00	\$76,000	\$19,000	\$95,000	utilities, paving, restoration		1

Site Paving

Replace site concrete	1	allo	50,000.00	\$50,000	\$12,500	\$62,500	Remove curbs at bus loop, remove steps at		1
Repave parking and drives	45	ksf	2,500.00	\$112,500	\$28,125	\$140,625	Extend and reconfigure P.L.		1

Playfields (playground/athletics)

Improve playground / playfield area	1	ls	40,000.00	\$40,000	\$10,000	\$50,000	Outdated play equipment, relocate building		2
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Site Work Subtotal:

\$323,500

\$404,375

INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices

Replace teacher/staff laptops	34	ea	1,000.00	\$34,000	\$8,500	\$42,500			1
Mobile devices for teachers/staff	34	ea	650.00	\$22,100	\$5,525	\$27,625			1
Replace student laptop carts	1	ea	34,500.00	\$34,500	\$8,625	\$43,125	Replace laptops only, use existing cart		1
Mobile devices for students (does not include cart)	504	ea	650.00	\$327,600	\$81,900	\$409,500	Based on 2013 enrollment +5%		1
Technology equipment - Series 2	1	ls	418,200.00	\$418,200	\$41,820	\$460,020			2
Technology equipment - Series 3	1	ls	349,700.00	\$349,700	\$34,970	\$384,670			3

Classroom Technologies

Install classroom/lab projectors	28	ea	1,800.00	\$50,400	\$12,600	\$63,000			1
Document camera	5	ea	550.00	\$2,750	\$688	\$3,438			1
Refresh classroom projector	1	ls	50,400.00	\$50,400	\$12,600	\$63,000			3

Technology Equipment subtotal:

\$1,324,650

\$1,540,628

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Plymouth Elementary School
1105 E. Sugnet Rd., Midland, MI 48642
Building Project Work List

Date: 10/1/2014 site visit: 6/30/2014
Grades: K-5 enrollment: x
Year Built: 1952
Building Size: 40,812 capacity: x
Site Size: 14.000

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS

Replace BW printers	1	ea	600.00	\$600	\$150	\$750		1
Replace color printers	1	ls	1,350.00	\$1,350	\$338	\$1,688		1
Replace BW MFP printers	3	ea	7,500.00	\$22,500	\$5,625	\$28,125		1
Replace Point of Sale (POS) equipment / Food Service	2	ea	1,000.00	\$2,000	\$500	\$2,500		1

Technology - Audiovisual

Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		1
Conference room / IEP displays	1	ls	2,500.00	\$2,500	\$625	\$3,125		1
Replace gym sound system	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		1
Digital Signage	1	ea	2,800.00	\$2,800	\$700	\$3,500		1

Furniture & Furnishings

Replacement furniture & furnishings	40,812	ea	1.75	\$71,400	\$8,568	\$79,968	classroom desks and chairs	2
Furniture for Addition	9,500	sf	3.00	\$28,500	\$3,420	\$31,920	cafeteria tables and gym equipment	1

F, F, & E Subtotal:	\$176,650	\$207,826
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TOTAL DIRECT COSTS:	\$5,937,550	\$7,293,766
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Project Contingency:	\$593,755
General Conditions:	\$103,393
CM Fee / Reimbursables:	\$329,534
A/E Fee / Reimbursables:	\$329,534

TOTAL PROJECT COSTS:	\$7,293,766
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\$7,293,766 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees

Building Utilization

Project No.	5
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Name of School Building
Plymouth Elementary School

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary	9	X	20	=	180
(3-5) Upper Elementary	11	X	25	=	275
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	20				455

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Total Teaching Stations	20	Total Capacity	455
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Current Gr. Structure	K-5	Projected 5-Year Enrollment	430
Proposed Gr. Structure	K-5		

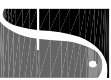
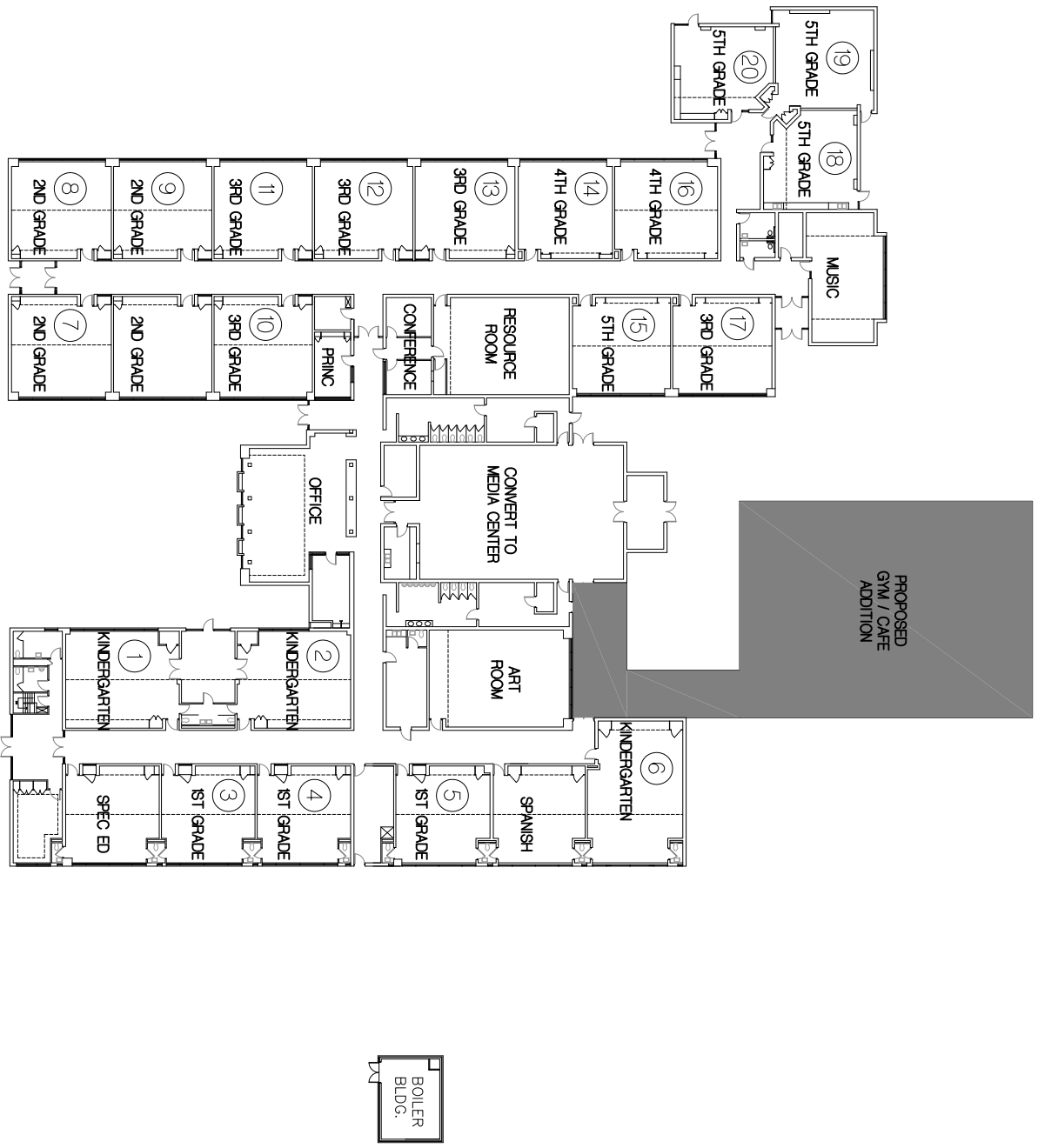
Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	95%
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- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Total Teaching Stations	0				

Square Footage for Closed Facility		Total Capacity	0
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Please transfer applicable information to the Utilization Summary on Page 7 of the application.



architect/planner/interior

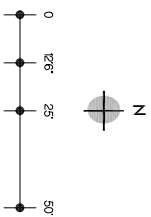
FRENCH
associates

MIDLAND PUBLIC SCHOOLS

plymouth elementary school

composite plan

october, 2014



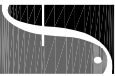
STUDENT CAPACITY

9 CR x 20 STUD. - 180
11 CR x 25 STUD. - 275

TOTAL - 455

LEGEND

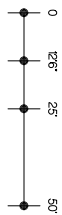
EXISTING RENOVATE
40,812 SQ. FT.
ADDITION
8,500 SQ. FT.



FRENCH
architects

architect french architects

MIDLAND PUBLIC SCHOOLS
plymouth elementary school
composite site plan
october, 2014



Facility Condition Assessment

Project Number

5
Plymouth Elementary School

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Recommend replacing HVAC system.

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Recommend adding secure entry.

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.	X		
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.	X		
3.	Water drains quickly from sinks.	X		
4.	Floor area near toilets and sinks is dry.	X		

Overall assessment or comments:

Recommend replacing original single pane windows.

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.	X		
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Recommend adding electrical outlets to classrooms if additional technology is added

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome
French Associates 33304

Signature

Printed Name

Firm Name and License Number

10/1/2014
dalej@frenchaia.com
248-656-7746
248-656-1377

Date

E-mail Address

Fax Number

Area Code and Telephone Number

Project Sheet

Project No.	6
Name of School Building:	Siebert Elementary School

Description of Series 1 Project: new multi-purpose addition, building renovations, mechanical upgrades, electrical upgrades, technology infrastructure & equipment, site improvements and furniture replacement	Instructional Technology Description classroom teaching equipment and student devices
Description of Series 2 Project: technology infrastructure and equipment, playground improvements, furniture	
Description of Series 3 Project: technology equipment	Site Work Description site infrastructure, paving and playground improvements

Type of Project:

New Building	→ New Construction Square Ft		Cost per Sq Ft	
☒ Additions(s)	→ New Addition Square Ft.	<u>9,500 sf</u>	Cost per Sq Ft	<u>190</u>
☒ Remodeling				
☒ Technology and/or Buses				
☒ Site Work				
Facility Closing	Demolish	Retain for future use	Convert to non-instructional	
	Sell or lease	Undetermined		

Statement describing any existing environmental or usability problems the proposed project will address.
 (ex: asbestos, energy use, or ADA requirements)

Remove asbestos

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$1,805,000	\$1,805,000	\$0	\$0
Remodeling	\$2,460,600	\$2,322,250	\$138,350	\$0
Construction Contingencies	\$652,465	\$522,510	\$80,155	\$49,800
Instructional Technology	\$1,631,050	\$619,750	\$513,300	\$498,000
Loose Furnishing/Equipment	\$184,500	\$99,600	\$84,900	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$443,500	\$378,500	\$65,000	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$354,975	\$337,779	\$13,218	\$3,978
CM Fees and Costs	\$466,466	\$442,281	\$18,983	\$5,202
Estimated Costs	\$7,998,556	\$6,527,670	\$913,906	\$556,980

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Signature	Dale Jerome	French Associates	33304
10/1/2014	Printed Name	Firm Name and License Number	
Date	dalej@frenchia.com	248-656-7746	248-656-1377
	E-mail Address	Fax Number	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Siebert Elementary School
5700 Siebert St., Midland, MI 48640
Building Project Work List

Date: 10/1/2014 site visit: 6/30/2014
Grades: K-5 enrollment: x
Year Built: 1958
Building Size: 48,489 capacity: x
Site Size: 14.000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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NEW CONSTRUCTION

Addition

Cafeteria/Gym	6,500	sf	190.00	\$1,235,000	\$308,750	\$1,543,750		1
Stage	1,500	sf	190.00	\$285,000	\$71,250	\$356,250		1
Kitchen	400	sf	200.00	\$80,000	\$20,000	\$100,000		1
Toilet Rooms	400	sf	250.00	\$100,000	\$25,000	\$125,000		1
Storage/Circulation	700	sf	150.00	\$105,000	\$26,250	\$131,250		1

New Construction Subtotal:	9,500		190.00	\$1,805,000		\$2,256,250		
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ARCHITECTURAL WORK

Environmental

Abate asbestos floor tile	32	ksf	1,500.00	\$48,000	\$12,000	\$60,000		1
Abate asbestos at mechanical	1	ls	5,000.00	\$5,000	\$1,250	\$6,250		1

Building Envelope

Replace doors, frames and hardware	26	ea	3,000.00	\$78,000	\$19,500	\$97,500		1
Replace glazing systems	6,200	sf	60.00	\$372,000	\$93,000	\$465,000		1
Add downspouts and gutters	1	allo	2,500.00	\$2,500	\$625	\$3,125	North storage building needs gutter system	1

Interior Construction

Replace doors, frames and hardware	26	ea	2,000.00	\$52,000	\$13,000	\$65,000	classrooms only	1
Replace flooring	35,000	sf	4.25	\$148,800	\$37,200	\$186,000		1
Replace visual display boards	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	chalk to marker	1
Replace toilet partitions & accessories	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	metal to plastic	1
Replace casework	400	lf	425.00	\$170,000	\$42,500	\$212,500	original wood	1
Remodel toilet rooms	1	ls	8,000.00	\$8,000	\$2,000	\$10,000	flooring and partitions	1
Modify lobby to create secure entrance	1,000	sf	100.00	\$100,000	\$25,000	\$125,000		1
Convert multi-purpose space to media center	3,000	sf	75.00	\$225,000	\$56,250	\$281,250		1
Renovate media center to breakout lab	1,000	sf	50.00	\$50,000	\$12,500	\$62,500		1
Renovations to connect to addition	9,500	sf	5.00	\$47,500	\$11,875	\$59,375		1

Architectural Work Subtotal:				\$1,356,800		\$1,696,000		
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MECHANICAL WORK

H.V.A.C.

Replace Boiler/pumps (elementary)	2	ea	100,000.00	\$200,000	\$50,000	\$250,000		1
Replace Unit Ventilators with new vertical Unit Vents	16	ea	16,000.00	\$256,000	\$64,000	\$320,000		1
Replace Office Heating & Venting Units	1	ea	20,000.00	\$20,000	\$5,000	\$25,000	5 Ton RTU	1
Replace Classroom Heating & Venting	3	ea	25,000.00	\$75,000	\$18,750	\$93,750		1
Replace Gym Heatgin & Venting Units	1	ea	40,000.00	\$40,000	\$10,000	\$50,000		1
Add AC to Tech Closet	2	ea	10,000.00	\$20,000	\$5,000	\$25,000	MDF (if relocate) and IDF	1
Replace Cabinet Unit Heaters	6	ea	5,000.00	\$30,000	\$7,500	\$37,500		1
Replace Exhaust Fans	4	ea	4,000.00	\$16,000	\$4,000	\$20,000		1

Temperature Controls

Replace all pneumatic controls with Digital	48,489	SF	2.25	\$109,100	\$27,275	\$136,375		1
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Mechanical Work Subtotal:				\$766,100		\$957,625		
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ELECTRICAL WORK

Electrical-Power

Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
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Lighting

Upgrade Site Lighting	1	ls	46,000.00	\$46,000	\$11,500	\$57,500		1
Upgrade Exterior building mounted Lighting	1	ls	14,000.00	\$14,000	\$3,500	\$17,500		1
Add Occupancy Sensors	1	LS	7,000.00	\$7,000	\$1,750	\$8,750		1

Electrical Work Subtotal:				\$72,000		\$90,000		
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MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Siebert Elementary School
5700 Siebert St., Midland, MI 48640
Building Project Work List

Date: 10/1/2014 site visit: 6/30/2014
Grades: K-5 enrollment: x
Year Built: 1958
Building Size: 48,489 capacity: x
Site Size: 14.000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure

Remove Category 5 and/or supporting legacy cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			1
Replace telecommunication rooms / relocate data center	1	ea	2,000.00	\$2,000	\$500	\$2,500			1
Fiber backbone to IDFs for 10G	1	ea	2,500.00	\$2,500	\$625	\$3,125			1
Additional voice/data structured cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			1
Allowance for cabling to support series 2 needs	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			2
Replace fiber to MS for dedicated line to Admin	1	ea	18,000.00	\$18,000	\$4,500	\$22,500			1

Network / Wireless / Phone

Replace network infr. - building core	1	ea	13,000.00	\$13,000	\$3,250	\$16,250			2
Replace network infr. - edge switches	12	ea	4,200.00	\$50,400	\$12,600	\$63,000	Based on existing plus 1 per closet growth		2
Replace UPS in each telecommunication room	2	ea	3,000.00	\$6,000	\$1,500	\$7,500			2
Network infrastructure for Series 1 needs	1	ls	17,350.00	\$17,350	\$4,338	\$21,688			1
Replace wireless infrastructure	41	ea	950.00	\$38,950	\$9,738	\$48,688			2
Replace phone system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			2

Clock System

Replace clock system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			1
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Security

Video surveillance	1	ls	18,000.00	\$18,000	\$4,500	\$22,500			1
Expand access control	1	ls	9,500.00	\$9,500	\$2,375	\$11,875			1
Install district-wide PA system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			1

Technology Infrastructure Subtotal: \$265,700 \$332,125

Remodeling Subtotal: \$2,460,600

SITE WORK

Site Infrastructure

Improve site furnishings	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	bike racks, flag pole, fencing		1
Improve site grading / landscaping	1	allo	20,000.00	\$20,000	\$5,000	\$25,000	Clean storm system structures, revise syst		1
Site Work for Addition	9,500	sf	8.00	\$76,000	\$19,000	\$95,000	utilities, paving, restoration		1

Site Paving

Replace site concrete	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	New concrete needed in play area, address		1
Repave parking and drives	53	ksf	2,500.00	\$132,500	\$33,125	\$165,625	Replace asphalt in east lot, north and		1
Install new parking areas (w/ storm system)	16	ksf	7,500.00	\$120,000	\$30,000	\$150,000	Reconfigure east parking lot and install ne		1

Playfields (playground/athletics)

Replace asphalt play area	10	ksf	2,500.00	\$25,000	\$6,250	\$31,250			2
Improve playground / playfield area	1	ls	40,000.00	\$40,000	\$10,000	\$50,000			2

Site Work Subtotal: \$443,500 \$554,375

INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices

Replace teacher/staff laptops	42	ea	1,000.00	\$42,000	\$10,500	\$52,500			1
Mobile devices for teachers/staff	42	ea	650.00	\$27,300	\$6,825	\$34,125			1
Replace student laptop carts	1	ea	34,500.00	\$34,500	\$8,625	\$43,125	Replace laptops only, use existing cart		1
Mobile devices for students (does not include cart)	630	ea	650.00	\$409,500	\$102,375	\$511,875	Based on 2013 enrollment +5%		1
Technology equipment - Series 2	1	ls	513,300.00	\$513,300	\$51,330	\$564,630			2
Technology equipment - Series 3	1	ls	436,800.00	\$436,800	\$43,680	\$480,480			3

Classroom Technologies

Install classroom/lab projectors	34	ea	1,800.00	\$61,200	\$15,300	\$76,500			1
Install sound field amplification	34	ea	1,250.00	\$42,500	\$10,625	\$53,125			1
Document camera	5	ea	550.00	\$2,750	\$688	\$3,438			1
Refresh classroom projector	1	ls	61,200.00	\$61,200	\$15,300	\$76,500			3

Technology Equipment subtotal: \$1,631,050 \$1,896,298

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Siebert Elementary School
5700 Siebert St., Midland, MI 48640
Building Project Work List

Date: 10/1/2014 site visit: 6/30/2014
Grades: K-5 enrollment: x
Year Built: 1958
Building Size: 48,489 capacity: x
Site Size: 14,000

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS

Replace BW printers	3	ea	600.00	\$1,800	\$450	\$2,250		1
Replace BW MFP printers	2	ea	7,500.00	\$15,000	\$3,750	\$18,750		1
Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		1
Replace Point of Sale (POS) equipment / Food Service	2	ea	1,000.00	\$2,000	\$500	\$2,500		1

Technology - Audiovisual

Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		1
Conference room / IEP displays	1	ls	2,500.00	\$2,500	\$625	\$3,125		1
Enhance gym sound system	1	ea	2,000.00	\$2,000	\$500	\$2,500		1
Digital Signage	1	ea	2,800.00	\$2,800	\$700	\$3,500		1

Furniture & Furnishings

Replacement furniture & furnishings	48,489	ea	1.75	\$84,900	\$10,188	\$95,088	classroom desks and chairs	2
Furniture for Addition	9,500	sf	3.00	\$28,500	\$3,420	\$31,920	cafeteria tables and gym equipment	1

F, F, & E Subtotal:	\$184,500	\$215,883
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TOTAL DIRECT COSTS:	\$6,524,650	\$7,998,556
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Project Contingency:	\$652,465
General Conditions:	\$111,491
CM Fee / Reimbursables:	\$354,975
A/E Fee / Reimbursables:	\$354,975

TOTAL PROJECT COSTS:	\$7,998,556	\$7,998,556 check #
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Notes:

Indirect costs include; contingency, general conditions & professional fees

Building Utilization

Project No.	6
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Name of School Building
Siebert Elementary School

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary	12	X	20	=	240
(3-5) Upper Elementary	12	X	25	=	300
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	24				540

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Total Teaching Stations	24	Total Capacity	540
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Current Gr. Structure	K-5	Projected 5-Year Enrollment	495
Proposed Gr. Structure	K-5		

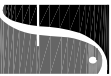
Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	92%
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- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Total Teaching Stations	0				

Square Footage for Closed Facility		Total Capacity	0
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Please transfer applicable information to the Utilization Summary on Page 7 of the application.



architect/planner/interior

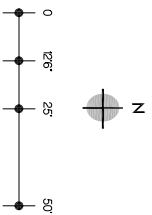
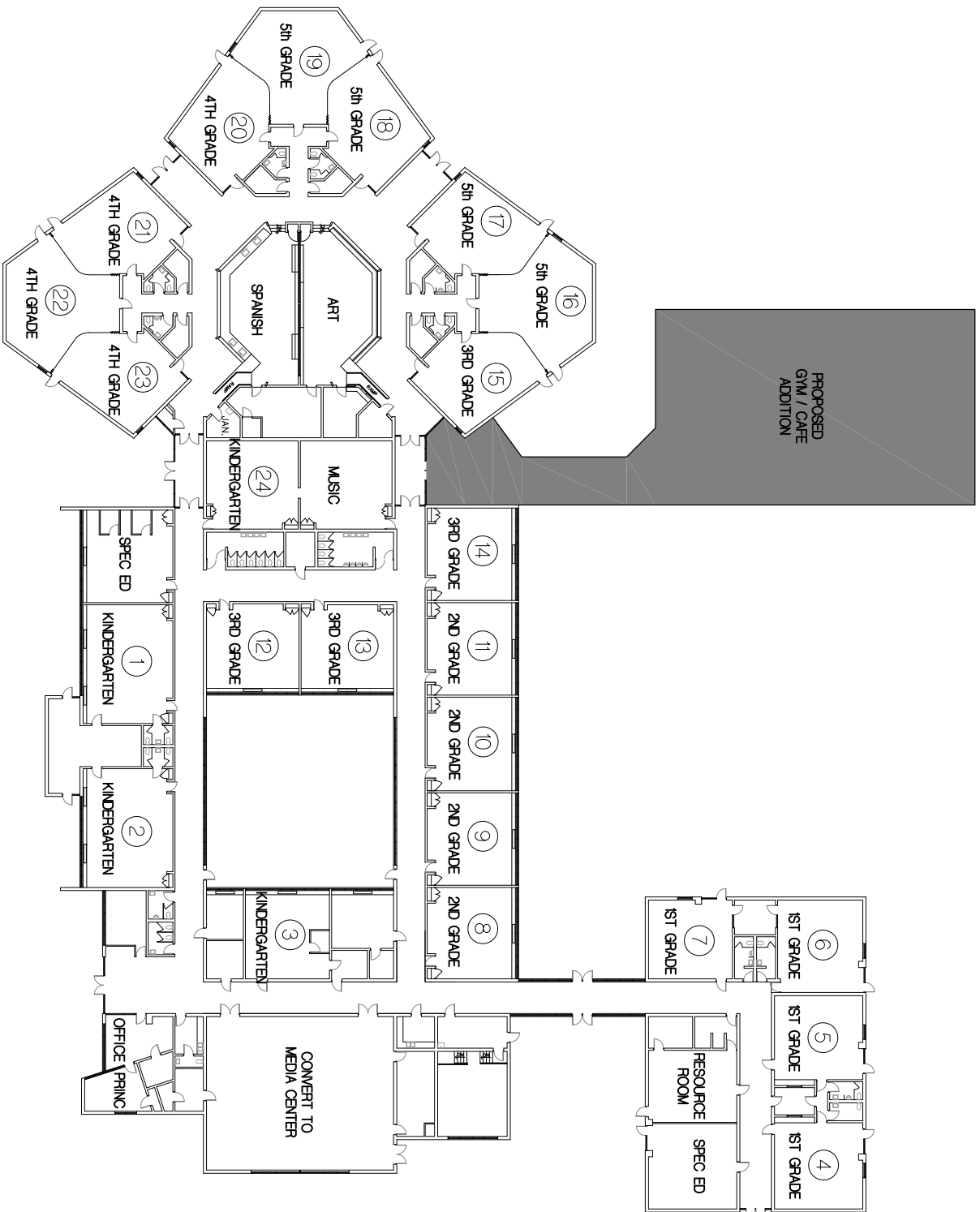
FRENCH
associates

MIDLAND PUBLIC SCHOOLS

sibert elementary school

composite plan

october, 2014



STUDENT CAPACITY

12 CR x 20 STUD. - 240

12 CR x 25 STUD. - 300

TOTAL - 540

LEGEND

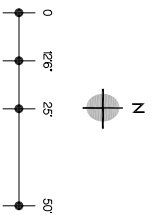
EXISTING RENOVATE
48,488 SQ. FT.

ADDITION
8,500 SQ. FT.



FRENCH
architects

MIDLAND PUBLIC SCHOOLS
sieben elementary school
composite site plan
october, 2014



Facility Condition Assessment

Project Number

6
Siebert Elementary School

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Recommend replacing HVAC system.

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Recommend adding secure entry.

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.	X		
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.	X		
3.	Water drains quickly from sinks.	X		
4.	Floor area near toilets and sinks is dry.	X		

Overall assessment or comments:

Recommend replacing original single pane windows.

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.	X		
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Recommend adding electrical outlets to classrooms if additional technology is added

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome
French Associates 33304

Signature

Printed Name

Firm Name and License Number

10/1/2014
dalej@frenchaia.com
248-656-7746
248-656-1377

Date

E-mail Address

Fax Number

Area Code and Telephone Number

Project Sheet

Project No.	7
Name of School Building:	Woodcrest Elementary School

Description of Series 1 Project: new multi-purpose addition, building renovations, mechanical upgrades, electrical upgrades, technology infrastructure & equipment, site improvements and furniture replacement	Instructional Technology Description classroom teaching equipment and student devices
Description of Series 2 Project: technology infrastructure and equipment, playground improvements, furniture	
Description of Series 3 Project: technology equipment	Site Work Description site infrastructure, paving and playground improvements

Type of Project:

☐ New Building	→ New Construction Square Ft	<u> </u>	Cost per Sq Ft	<u> </u>
☒ Additions(s)	→ New Addition Square Ft.	<u>9,500 sf</u>	Cost per Sq Ft	<u>190</u>
☒ Remodeling				
☒ Technology and/or Buses				
☒ Site Work				
☐ Facility Closing	☐ Demolish	☐ Retain for future use	☐ Convert to non-instructional	
	☐ Sell or lease	☐ Undetermined		

**Statement describing any existing environmental or usability problems the proposed project will address.
(ex: asbestos, energy use, or ADA requirements)**

Remove asbestos

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$1,805,000	\$1,805,000	\$0	\$0
Remodeling	\$3,193,000	\$3,083,000	\$110,000	\$0
Construction Contingencies	\$702,320	\$591,150	\$67,110	\$44,060
Instructional Technology	\$1,446,500	\$551,600	\$454,300	\$440,600
Loose Furnishing/Equipment	\$173,200	\$106,400	\$66,800	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$405,500	\$365,500	\$40,000	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$395,772	\$382,395	\$9,750	\$3,627
CM Fees and Costs	\$519,454	\$500,625	\$14,086	\$4,743
Estimated Costs	\$8,640,746	\$7,385,670	\$762,046	\$493,030

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Dale Jerome	French Associates	33304
Signature	Printed Name	Firm Name and License Number
10/1/2014	dalej@frenchia.com	248-656-1377
Date	E-mail Address	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Woodcrest Elementary School
5500 Drake St., Midland, MI 48640
Building Project Work List

Date: 10/1/2014 site visit: 6/30/2014
Grades: K-5 enrollment: x
Year Built: 1969
Building Size: 38,147 capacity: x
Site Size: 16.000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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NEW CONSTRUCTION

Addition

Cafeteria/Gym	6,500	sf	190.00	\$1,235,000	\$308,750	\$1,543,750			1
Stage	1,500	sf	190.00	\$285,000	\$71,250	\$356,250			1
Kitchen	400	sf	200.00	\$80,000	\$20,000	\$100,000			1
Toilet Rooms	400	sf	250.00	\$100,000	\$25,000	\$125,000			1
Storage/Circulation	700	sf	150.00	\$105,000	\$26,250	\$131,250			1

New Construction Subtotal:	9,500		190.00	\$1,805,000			\$2,256,250		
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ARCHITECTURAL WORK

Environmental

Abate asbestos at mechanical	1	ls	5,000.00	\$5,000	\$1,250	\$6,250			1
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Building Envelope

Replace roof system	38,147	sf	9.00	\$343,300	\$85,825	\$429,125			1
Add masonry joints in brick	2,000	sf	10.00	\$20,000	\$5,000	\$25,000	Bottom 2' of building as needed		1
Replace doors, frames and hardware	59	ea	3,000.00	\$177,000	\$44,250	\$221,250			1
Replace glazing systems	1,400	sf	60.00	\$84,000	\$21,000	\$105,000			1

Interior Construction

Replace doors, frames and hardware	27	ea	2,000.00	\$54,000	\$13,500	\$67,500	classrooms only		1
Replace flooring	38,147	sf	4.25	\$162,100	\$40,525	\$202,625			1
Replace visual display boards	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	chalk to marker		1
Replace toilet partitions & accessories	10	ea	2,500.00	\$25,000	\$6,250	\$31,250	metal to plastic		1
Replace casework	400	lf	425.00	\$170,000	\$42,500	\$212,500	original wood		1
Remodel toilet rooms	1	ls	8,000.00	\$8,000	\$2,000	\$10,000	flooring and partitions		1
Modify lobby to create secure entrance	1,000	sf	100.00	\$100,000	\$25,000	\$125,000			1
Convert multi-purpose space to media center	2,700	sf	75.00	\$202,500	\$50,625	\$253,125			1
Renovate media center to breakout lab	3,600	sf	50.00	\$180,000	\$45,000	\$225,000			1
Renovations to connect to addition	9,500	sf	5.00	\$47,500	\$11,875	\$59,375			1

Architectural Work Subtotal:				\$1,603,400			\$2,004,250		
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MECHANICAL WORK

H.V.A.C.

Replace Boiler/pumps (elementary)	2	ea	100,000.00	\$200,000	\$50,000	\$250,000			1
Replace Unit Ventilators with new vertical Unit Vents	28	ea	16,000.00	\$448,000	\$112,000	\$560,000			1
Replace indoor Air Handling Units	4	ea	30,000.00	\$120,000	\$30,000	\$150,000			1
Replace Steam Humidifiers	2	ea	8,000.00	\$16,000	\$4,000	\$20,000			1
Replace Cabinet Unit Heaters	4	ea	5,000.00	\$20,000	\$5,000	\$25,000			1
Replace Exhaust Fans	6	ea	4,000.00	\$24,000	\$6,000	\$30,000			1

Temperature Controls

Replace all pneumatic controls with Digital	38,147	SF	2.25	\$85,800	\$21,450	\$107,250			1
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Mechanical Work Subtotal:				\$913,800			\$1,142,250		
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ELECTRICAL WORK

Electrical-Power

Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			1
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Lighting

Upgrade Gym Lighting	1	ls	30,000.00	\$30,000	\$7,500	\$37,500			1
Upgrade Site Lighting	1	ls	49,000.00	\$49,000	\$12,250	\$61,250			1
Upgrade Exterior building mounted Lighting	1	ls	20,000.00	\$20,000	\$5,000	\$25,000			1
Add Exterior Emergency Egress Lighting	1	ls	15,000.00	\$15,000	\$3,750	\$18,750			1
Add Occupancy Sensors	1	ls	7,000.00	\$7,000	\$1,750	\$8,750			1
Upgrade Fire Alarm System	38,147	SF	2.70	\$103,000	\$25,750	\$128,750			1
Add Exit and EM Lights in Corridors	1	LS	8,000.00	\$8,000	\$2,000	\$10,000			1
Upgrade Lighting Through-out Building to T8	38,147	SF	6.00	\$228,900	\$57,225	\$286,125			1

Electrical Work Subtotal:				\$465,900			\$582,375		
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MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Woodcrest Elementary School
5500 Drake St., Midland, MI 48640
Building Project Work List

Date: 10/1/2014 site visit: 6/30/2014
Grades: K-5 enrollment: x
Year Built: 1969
Building Size: 38,147 capacity: x
Site Size: 16,000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure

Remove Category 5 and/or supporting legacy cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			1
Additional voice/data structured cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			1
Allowance for cabling to support series 2 needs	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			2

Network / Wireless / Phone

Replace network infr. - building core	1	ea	13,000.00	\$13,000	\$3,250	\$16,250			2
Replace network infr. - edge switches	8	ea	4,200.00	\$33,600	\$8,400	\$42,000	Based on existing plus 1 per closet growth		2
Replace UPS in each telecommunication room	1	ea	3,000.00	\$3,000	\$750	\$3,750			2
Network infrastructure for Series 1 needs	1	ls	12,400.00	\$12,400	\$3,100	\$15,500			1
Replace wireless infrastructure	32	ea	950.00	\$30,400	\$7,600	\$38,000			2
Replace phone system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			2

Clock System

Replace clock system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			1
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Security

Video surveillance	1	ls	18,000.00	\$18,000	\$4,500	\$22,500			1
Expand access control	1	ls	9,500.00	\$9,500	\$2,375	\$11,875			1
Install district-wide PA system	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			1

Technology Infrastructure Subtotal: \$209,900 \$262,375

Remodeling Subtotal: \$3,193,000

SITE WORK

Site Infrastructure

Improve site furnishings	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	bike racks, flag pole, fencing		1
Improve site grading / landscaping	1	allo	75,000.00	\$75,000	\$18,750	\$93,750	groundwater issues		1
Site Work for Addition	9,500	sf	8.00	\$76,000	\$19,000	\$95,000	utilities, paving, restoration		1

Site Paving

Replace site concrete	1	allo	12,000.00	\$12,000	\$3,000	\$15,000	Install sidewalk connecting to neighborhoc		1
Repave parking and drives	33	ksf	2,500.00	\$82,500	\$20,625	\$103,125			1
Install new parking areas (w/ storm system)	14	ksf	7,500.00	\$105,000	\$26,250	\$131,250	Extend asphalt parking and create loop at		1

Playfields (playground/athletics)

Improve playground / playfield area	1	ls	40,000.00	\$40,000	\$10,000	\$50,000			2
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Site Work Subtotal: \$405,500 \$506,875

INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices

Replace teacher/staff laptops	35	ea	1,000.00	\$35,000	\$8,750	\$43,750			1
Mobile devices for teachers/staff	35	ea	650.00	\$22,750	\$5,688	\$28,438			1
Replace student laptop carts	1	ea	34,500.00	\$34,500	\$8,625	\$43,125	Replace laptops only, use existing cart		1
Mobile devices for students (does not include cart)	557	ea	650.00	\$362,050	\$90,513	\$452,563	Based on 2013 enrollment +5%		1
Technology equipment - Series 2	1	ls	454,300.00	\$454,300	\$45,430	\$499,730			2
Technology equipment - Series 3	1	ls	384,800.00	\$384,800	\$38,480	\$423,280			3

Classroom Technologies

Install classroom/lab projectors	31	ea	1,800.00	\$55,800	\$13,950	\$69,750			1
Install sound field amplification	31	ea	1,250.00	\$38,750	\$9,688	\$48,438			1
Document camera	5	ea	550.00	\$2,750	\$688	\$3,438			1
Refresh classroom projector	1	ls	55,800.00	\$55,800	\$13,950	\$69,750			3

Technology Equipment subtotal: \$1,446,500 \$1,682,260

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Woodcrest Elementary School
5500 Drake St., Midland, MI 48640
Building Project Work List

Date: 10/1/2014 site visit: 6/30/2014
Grades: K-5 enrollment: x
Year Built: 1969
Building Size: 38,147 capacity: x
Site Size: 16,000

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS

Replace BW printers	1	ea	600.00	\$600	\$150	\$750		1
Replace BW MFP printers	2	ea	7,500.00	\$15,000	\$3,750	\$18,750		1
Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		1
Replace Point of Sale (POS) equipment / Food Service	2	ea	1,000.00	\$2,000	\$500	\$2,500		1

Technology - Audiovisual

Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		1
Conference room / IEP displays	1	ls	2,500.00	\$2,500	\$625	\$3,125		1
Replace gym sound system	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		1
Digital Signage	1	ea	2,800.00	\$2,800	\$700	\$3,500		1

Furniture & Furnishings

Replacement furniture & furnishings	38,147	ea	1.75	\$66,800	\$8,016	\$74,816	classroom desks and chairs	2
Furniture for Addition	9,500	sf	3.00	\$28,500	\$3,420	\$31,920	cafeteria tables and gym equipment	1

F, F, & E Subtotal:	\$173,200	\$204,111
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TOTAL DIRECT COSTS:	\$7,023,200	\$8,640,746
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Project Contingency:	\$702,320
General Conditions:	\$123,682
CM Fee / Reimbursables:	\$395,772
A/E Fee / Reimbursables:	\$395,772

TOTAL PROJECT COSTS:	\$8,640,746	\$8,640,746 check #
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Notes:

Indirect costs include; contingency, general conditions & professional fees

Building Utilization

Project No.	7
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Name of School Building
Woodcrest Elementary School

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary	12	X	20	=	240
(3-5) Upper Elementary	11	X	25	=	275
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	23				515

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Total Teaching Stations	23	Total Capacity	515
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Current Gr. Structure	K-5	Projected 5-Year Enrollment	490
Proposed Gr. Structure	K-5		

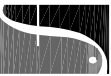
Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	95%
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- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Total Teaching Stations	0				

Square Footage for Closed Facility		Total Capacity	0
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Please transfer applicable information to the Utilization Summary on Page 7 of the application.



architects | planners | interiors

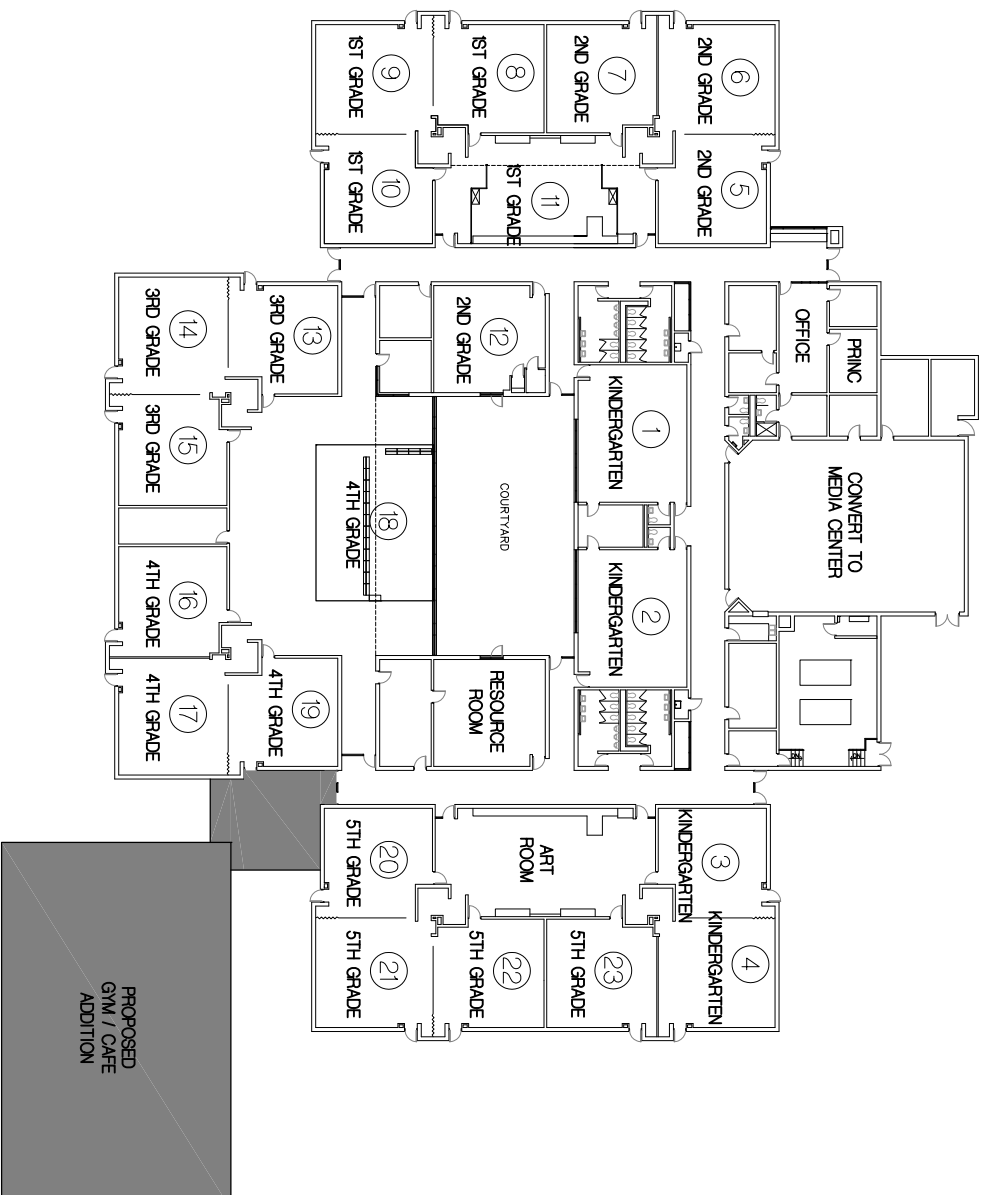
FRENCH
associates

MIDLAND PUBLIC SCHOOLS

woodcrest elementary school

composite plan

october, 2014



STUDENT CAPACITY

12 CR x 20 STUD. - 240

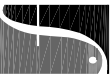
11 CR x 25 STUD. - 275

TOTAL - 515

LEGEND

EXISTING RENOVATE
38,147 SQ. FT.

ADDITION
8,500 SQ. FT.



architect / interior architect

FRENCH
associates

MIDLAND PUBLIC SCHOOLS

woodcrest elementary school

composite site plan

october, 2014



Facility Condition Assessment

Project Number
7

Woodcrest Elementary School

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.		X	

Overall assessment or comments:

Recommend replacing HVAC system. Ground water issue causing extremely high humidity in building. Recommend adding drain tile system around exterior perimeter of building

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Recommend adding secure entry.

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.	X		
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Recommend partial roof replacement

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.	X		
3.	Water drains quickly from sinks.	X		
4.	Floor area near toilets and sinks is dry.	X		

Overall assessment or comments:

Recommend replacing original single pane windows.

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.	X		
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Recommend adding electrical outlets to classrooms if additional technology is added

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome		French Associates 33304	
Signature	Printed Name	Firm Name and License Number	
10/1/2014	dalej@frenchia.com	248-656-7746	248-656-1377
Date	E-mail Address	Fax Number	Area Code and Telephone Number

Project Sheet

Project No.	8
Name of School Building:	Central School

Description of Series 1 Project: Add (20) K-2 classrooms, (20) 3-5 classrooms and support space, renovations to existing gym and cafeteria space, technology infrastructure & equipment, site improvements, and furniture	Instructional Technology Description classroom teaching equipment and student devices
Description of Series 2 Project: technology equipment	
Description of Series 3 Project: technology infrastructure and equipment	Site Work Description prepare site for addition, site infrastructure, paving, playground and site restoration

Type of Project:

New Building	→ New Construction Square Ft.		Cost per Sq Ft	
☒ Additions(s)	→ New Addition Square Ft.	<u>64,400 sf</u>	Cost per Sq Ft	<u>192</u>
☒ Remodeling				
☒ Technology and/or Buses				
☒ Site Work				
Facility Closing	Demolish	Retain for future use	Convert to non-instructional	
	Sell or lease	Undetermined		

Statement describing any existing environmental or usability problems the proposed project will address.
 (ex: asbestos, energy use, or ADA requirements)

Remove asbestos

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$12,364,800	\$12,364,800	\$0	\$0
Remodeling	\$1,981,833	\$1,954,833	\$0	\$27,000
Construction Contingencies	\$1,748,903	\$1,614,973	\$69,285	\$64,645
Instructional Technology	\$2,166,500	\$854,200	\$692,850	\$619,450
Loose Furnishing/Equipment	\$460,700	\$460,700	\$0	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$515,200	\$515,200	\$0	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$1,037,708	\$1,029,869	\$0	\$7,839
CM Fees and Costs	\$1,363,114	\$1,352,863	\$0	\$10,251
Estimated Costs	\$21,638,759	\$20,147,439	\$762,135	\$729,185

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Signature	Dale Jerome	French Associates	33304
10/1/2014	Printed Name	Firm Name and License Number	
Date	dalej@frenchia.com	248-656-7746	248-656-1377
	E-mail Address	Fax Number	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Central School
 (Central Middle School Campus)
Building Project Work List

Date: 10/1/2014 site visit: N/A
 Grades: N/A enrollment: N/A
 Year Built: 2017
 Building Size: 85,000 capacity: N/A
 Site Size: x

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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NEW CONSTRUCTION

Addition

K-2 classrooms	18,000	sf	192.00	\$3,456,000	\$864,000	\$4,320,000			1
Grade 3-5 classrooms	18,000	sf	192.00	\$3,456,000	\$864,000	\$4,320,000			1
staff support space	10,000	sf	192.00	\$1,920,000	\$480,000	\$2,400,000			1
building support space	10,000	sf	192.00	\$1,920,000	\$480,000	\$2,400,000			1
bulking factor	8,400	sf	192.00	\$1,612,800	\$403,200	\$2,016,000			1

New Construction Subtotal:	64,400	192.00	\$12,364,800			\$15,456,000	
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ARCHITECTURAL WORK

Environmental

Abate asbestos for building demolition	7,500	sf	2.00	\$15,000	\$3,750	\$18,750	inc w/ central		1
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Demolition

Demo classroom portion of building	7,500	sf	6.00	\$45,000	\$11,250	\$56,250	inc w/ central		1
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Interior Construction

Renovate old classrooms to special use	4,000	sf	50.00	\$200,000	\$50,000	\$250,000	inc mech & elec		1
Renovate cafeteria	10,000	sf	50.00	\$500,000	\$125,000	\$625,000	inc mech & elec		1
Renovate gym	10,000	sf	50.00	\$500,000	\$125,000	\$625,000	inc mech & elec		1
Renovations to connect to addition	64,400	sf	5.00	\$322,000	\$80,500	\$402,500	inc mech & elec		1

Architectural Work Subtotal:				\$1,582,000		\$1,977,500	
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ELECTRICAL WORK

Electrical-Power

Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			1
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Electrical Work Subtotal:				\$5,000		\$6,250	
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TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure

Fiber backbone to IDFs for 10G	4	ea	2,500.00	\$10,000	\$2,500	\$12,500	Assumes part of building would be demol:		1
Voice/data structured cabling	1	allo	40,000.00	\$40,000	\$10,000	\$50,000			1
Allowance for cabling to support series 3 needs	1	allo	2,000.00	\$2,000	\$500	\$2,500			3

Network / Wireless / Phone

Network infr. - building core	1	ea	25,000.00	\$25,000	\$6,250	\$31,250			1
Network infr. - edge switches	1	ls	75,000.00	\$75,000	\$18,750	\$93,750			1
UPS in each telecommunication room	4	ea	3,000.00	\$12,000	\$3,000	\$15,000	Assumes part of building would be demol:		1
Network infrastructure for Series 3 needs	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			3
Wireless infrastructure	57	ea	950.00	\$53,833	\$13,458	\$67,292			1
Phone system	1	ls	30,000.00	\$30,000	\$7,500	\$37,500			1

Clock System

Clock system	1	ls	27,000.00	\$27,000	\$6,750	\$33,750			1
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Security

Video surveillance	1	ls	40,000.00	\$40,000	\$10,000	\$50,000			1
Expand access control	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			1
Install district-wide PA system	1	ls	30,000.00	\$30,000	\$7,500	\$37,500			1

Technology Infrastructure Subtotal:				\$394,833		\$493,542	
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Remodeling Subtotal:	\$1,981,833
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SITE WORK

Site Infrastructure

Improve site furnishings	1	allo	17,600.00	\$17,600	\$4,400	\$22,000	bike racks, flag pole, fencing		1
Site Work for Addition	64,400	sf	4.00	\$257,600	\$64,400	\$322,000	utilities, paving, restoration		1

Site Paving

Install new parking areas (w/ storm system)	22	ksf	7,500.00	\$165,000	\$41,250	\$206,250			1
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Playfields (playground/athletics)

Improve playground / playfield area	1	ls	75,000.00	\$75,000	\$18,750	\$93,750			1
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Site Work Subtotal:	\$515,200	\$644,000
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MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Central School
 (Central Middle School Campus)
Building Project Work List

Date: 10/1/2014 site visit: N/A
 Grades: N/A enrollment: N/A
 Year Built: 2017
 Building Size: 85,000 capacity: N/A
 Site Size: x

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices (based on Carpenter and Eastlawn Quantities)

Replace teacher/staff laptops	63	ea	1,000.00	\$63,000	\$15,750	\$78,750		1
Mobile devices for teachers/staff	63	ea	650.00	\$40,950	\$10,238	\$51,188		1
Replace student / lab desktops	35	ea	1,000.00	\$35,000	\$8,750	\$43,750		1
Replace student laptop carts	2	ea	34,500.00	\$69,000	\$17,250	\$86,250		1
Mobile devices for students (does not include cart)	746	ea	650.00	\$484,900	\$121,225	\$606,125		1
Technology equipment - Series 2	1	ls	692,850.00	\$692,850	\$69,285	\$762,135		2
Technology equipment - Series 3	1	ls	525,850.00	\$525,850	\$52,585	\$578,435		3

Classroom Technologies

Install classroom/lab projectors	52	ea	1,800.00	\$93,600	\$23,400	\$117,000		1
Install sound field amplification	52	ea	1,250.00	\$65,000	\$16,250	\$81,250		1
Document camera	5	ea	550.00	\$2,750	\$688	\$3,438		1
Refresh classroom projector	1	ls	93,600.00	\$93,600	\$23,400	\$117,000		3

Technology Equipment subtotal:	\$2,166,500	\$2,525,320
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FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS

Replace BW printers	7	ea	600.00	\$4,200	\$1,050	\$5,250		1
Replace color printers	2	ea	1,350.00	\$2,700	\$675	\$3,375		1
Replace BW MFP printers	6	ea	7,500.00	\$45,000	\$11,250	\$56,250		1
Replace color MFP printers	2	ea	10,000.00	\$20,000	\$5,000	\$25,000		1
Replace Point of Sale (POS) equipment / Food Service	2	ea	1,000.00	\$2,000	\$500	\$2,500		1

Technology - Audiovisual

Media center audiovisual	1	ls	15,000.00	\$15,000	\$3,750	\$18,750		1
Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		1
Conference room / IEP displays	2	ls	2,500.00	\$5,000	\$1,250	\$6,250		1
Gym sound system	1	ea	15,000.00	\$15,000	\$3,750	\$18,750		1
Digital Signage	4	ea	2,800.00	\$11,200	\$2,800	\$14,000		1

Furniture & Furnishings

Replacement furniture & furnishings	24,000	sf	2.00	\$48,000	\$5,760	\$53,760	cafeteria tables and gym equipment	1
Furniture for Addition	64,400	sf	4.00	\$257,600	\$30,912	\$288,512	classroom desks and chairs	1

F, F, & E Subtotal:	\$460,700	\$536,147
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TOTAL DIRECT COSTS:	\$17,489,033	\$21,638,759
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Project Contingency: \$1,748,903
 General Conditions: \$325,407
 CM Fee / Reimbursables: \$1,037,708
 A/E Fee / Reimbursables: \$1,037,708

TOTAL PROJECT COSTS:	\$21,638,759
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\$21,638,759 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees

Building Utilization

Project No.	8
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Name of School Building
Central School

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary	20	X	20	=	400
(3-5) Upper Elementary	20	X	25	=	500
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	40				900

Total Teaching Stations	40	Total Capacity	900
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Current Gr. Structure	n/a	Projected 5-Year Enrollment	851
Proposed Gr. Structure	K-5		

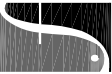
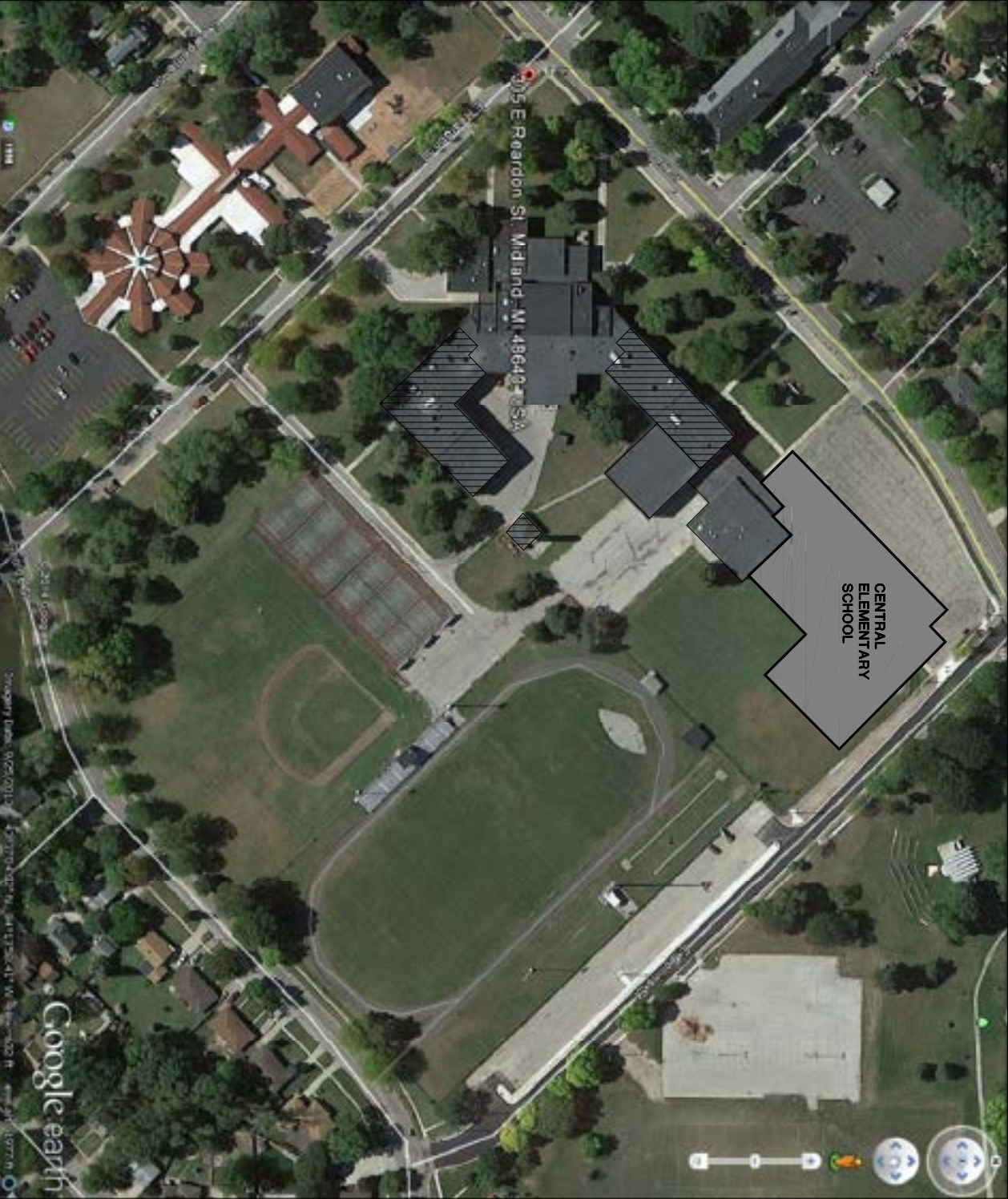
Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	95%
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- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Total Teaching Stations	0				

Square Footage for Closed Facility		Total Capacity	0
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Please transfer applicable information to the Utilization Summary on Page 7 of the application.



architect / interior architect

FRENCH
associates

MIDLAND PUBLIC SCHOOLS

central elementary school

composite plan

october, 2014



0 25' 50'

STUDENT CAPACITY

20 CR x 20 STUD. - 400
20 CR x 25 STUD. - 500

TOTAL - 900

Project Sheet

Project No.	9
Name of School Building:	Central Auditorium

Description of Series 1 Project: lobby and back-stage addition, renovations, demolish portion of building, technology infrastructure & equipment, site improvements	Instructional Technology Description
Description of Series 2 Project: technology infrastructure & equipment and furniture	
Description of Series 3 Project: technology equipment	Site Work Description demo portion of building, prep site for additions, site paving and restoration

Type of Project:

New Building	→ New Construction Square Ft		Cost per Sq Ft	
☒ Additions(s)	→ New Addition Square Ft.	<u>4,000 sf</u>	Cost per Sq Ft	<u>192</u>
☒ Remodeling				
☒ Technology and/or Buses				
☒ Site Work				
Facility Closing	Demolish	Retain for future use	Convert to non-instructional	
	Sell or lease	Undetermined		

Statement describing any existing environmental or usability problems the proposed project will address.
 (ex: asbestos, energy use, or ADA requirements)

Remove asbestos

Estimated Cost of Proposed Construction Project: *(Attach analysis showing how cost estimates were calculated.)*

	Total	Series 1	Series 2	Series 3
New Construction	\$768,000	\$768,000	\$0	\$0
Remodeling	\$3,162,250	\$3,115,050	\$47,200	\$0
Construction Contingencies	\$425,165	\$410,775	\$11,915	\$2,475
Instructional Technology	\$74,250	\$24,750	\$24,750	\$24,750
Loose Furnishing/Equipment	\$151,150	\$103,954	\$47,196	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$96,000	\$96,000	\$0	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$268,070	\$265,002	\$3,068	\$0
CM Fees and Costs	\$352,113	\$347,157	\$4,956	\$0
Estimated Costs	\$5,296,997	\$5,130,687	\$139,085	\$27,225

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Signature	Dale Jerome	French Associates	33304
10/1/2014	Printed Name	Firm Name and License Number	
Date	dalej@frenchia.com	248-656-7746	248-656-1377
	E-mail Address	Fax Number	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Central Auditorium (Performing Arts Center)
305 E. Reardon St., Midland, MI
Building Project Work List

Date: 10/1/2014 site visit: N/A
Grades: N/A enrollment: N/A
Year Built: 1937
Building Size: 125,135 capacity: 765
Site Size: 20.000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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NEW CONSTRUCTION

Addition

Enlarge front lobby	2,000	sf	192.00	\$384,000	\$96,000	\$480,000			1
Enlarge back of stage	2,000	sf	192.00	\$384,000	\$96,000	\$480,000			1

New Construction Subtotal:	4,000		192.00	\$768,000			\$960,000		
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ARCHITECTURAL WORK

Environmental

Abate asbestos for building demolition	49,000	sf	2.00	\$98,000	\$24,500	\$122,500			1
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Demolition

Demo classroom portion of building	25,000	sf	6.00	\$150,000	\$37,500	\$187,500	except gym/café		1
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Interior Construction

Renovations to performing arts area	31,000	sf	90.00	\$2,790,000	\$697,500	\$3,487,500	inc mech & elec		1
Renovations to connect to addition	4,000	sf	5.00	\$20,000	\$5,000	\$25,000	inc mech & elec		1

Architectural Work Subtotal:				\$3,058,000			\$3,822,500		
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ELECTRICAL WORK

Electrical-Power

Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			1
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Electrical Work Subtotal:				\$5,000			\$6,250		
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TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure

Remove Category 5 and/or supporting legacy cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500			1
Fiber backbone to IDFs for 10G	1	ea	2,500.00	\$2,500	\$625	\$3,125	Assumes part of building would be demol:		1
Replace voice/data structured cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500	Assumes rest in new elem costs		1
Allowance for cabling to support series 2 needs	1	allo	2,000.00	\$2,000	\$500	\$2,500			2

Network / Wireless / Phone

Replace network infr. - edge switches	6	ea	4,200.00	\$25,200	\$6,300	\$31,500	Assumes rest in new elem costs		2
Replace UPS in each telecommunication room	1	ea	3,000.00	\$3,000	\$750	\$3,750	Assumes part of building would be demol:		2
Network infrastructure for Series 1 needs	1	ls	7,050.00	\$7,050	\$1,763	\$8,813			1
Replace wireless infrastructure	10	ea	950.00	\$9,500	\$2,375	\$11,875	Assumes rest in new elem costs		2
Replace phone system	1	ls	7,500.00	\$7,500	\$1,875	\$9,375	Assumes rest in new elem costs		2

Clock System

Replace clock system	1	ls	5,000.00	\$5,000	\$1,250	\$6,250	Assumes rest in new elem costs		1
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Security

Video surveillance	1	ls	7,500.00	\$7,500	\$1,875	\$9,375	Assumes rest in new elem costs		1
Expand access control	1	ls	5,000.00	\$5,000	\$1,250	\$6,250	Assumes rest in new elem costs		1
Install district-wide PA system	1	ls	5,000.00	\$5,000	\$1,250	\$6,250	Assumes rest in new elem costs		1

Technology Infrastructure Subtotal:				\$99,250			\$124,063		
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Remodeling Subtotal:	\$3,162,250
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SITE WORK

Site Infrastructure

Improve site furnishings	1	allo	5,000.00	\$5,000	\$1,250	\$6,250	flag pole, fencing		1
Site Work for Addition	4,000	sf	4.00	\$16,000	\$4,000	\$20,000	utilities, paving, restoration		1

Site Paving

Install new parking areas (w/ storm system)	10	ksf	7,500.00	\$75,000	\$18,750	\$93,750			1
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Site Work Subtotal:	\$96,000					\$120,000			
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MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Central Auditorium (Performing Arts Center)
305 E. Reardon St., Midland, MI
Building Project Work List

Date: 10/1/2014 site visit: N/A
Grades: N/A enrollment: N/A
Year Built: 1937
Building Size: 125,135 capacity: 765
Site Size: 20.000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices

Replace teacher/staff laptops	15	ea	1,000.00	\$15,000	\$3,750	\$18,750			1
Mobile devices for teachers/staff	15	ea	650.00	\$9,750	\$2,438	\$12,188			1
Technology equipment - Series 2	1	ls	24,750.00	\$24,750	\$2,475	\$27,225			2
Technology equipment - Series 3	1	ls	24,750.00	\$24,750	\$2,475	\$27,225			3

Technology Equipment subtotal:	\$74,250	\$85,388
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FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS

Replace BW printers	1	ea	600.00	\$600	\$150	\$750			1
Replace color printers	1	ls	1,350.00	\$1,350	\$338	\$1,688			1
Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500			1

Technology - Audiovisual

Auditorium projector allowance	1	al	50,000.00	\$50,000	\$12,500	\$62,500			1
Digital Signage	4	ea	2,800.00	\$11,200	\$2,800	\$14,000			1

Furniture & Furnishings

Replacement furniture & furnishings	1	ls	31,196.00	\$31,196	\$3,744	\$34,940	desk and chairs		2
Replacement equipment	1	ls	30,803.50	\$30,804	\$3,696	\$34,500	stage equipment		1
Furniture for Addition	4,000	sf	4.00	\$16,000	\$1,920	\$17,920	lobby and storage		2

F, F, & E Subtotal:	\$151,150	\$178,797
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TOTAL DIRECT COSTS:	\$4,251,650	\$5,296,997
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Project Contingency: \$425,165
General Conditions: \$84,043
CM Fee / Reimbursables: \$268,070
A/E Fee / Reimbursables: \$268,070

TOTAL PROJECT COSTS:	\$5,296,997
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\$5,296,997 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees

Building Utilization

Project No.	9
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Name of School Building
Central Auditorium

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Total Teaching Stations	0	Total Capacity	0
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Current Gr. Structure	n/a	Projected 5-Year Enrollment	0
Proposed Gr. Structure	n/a		

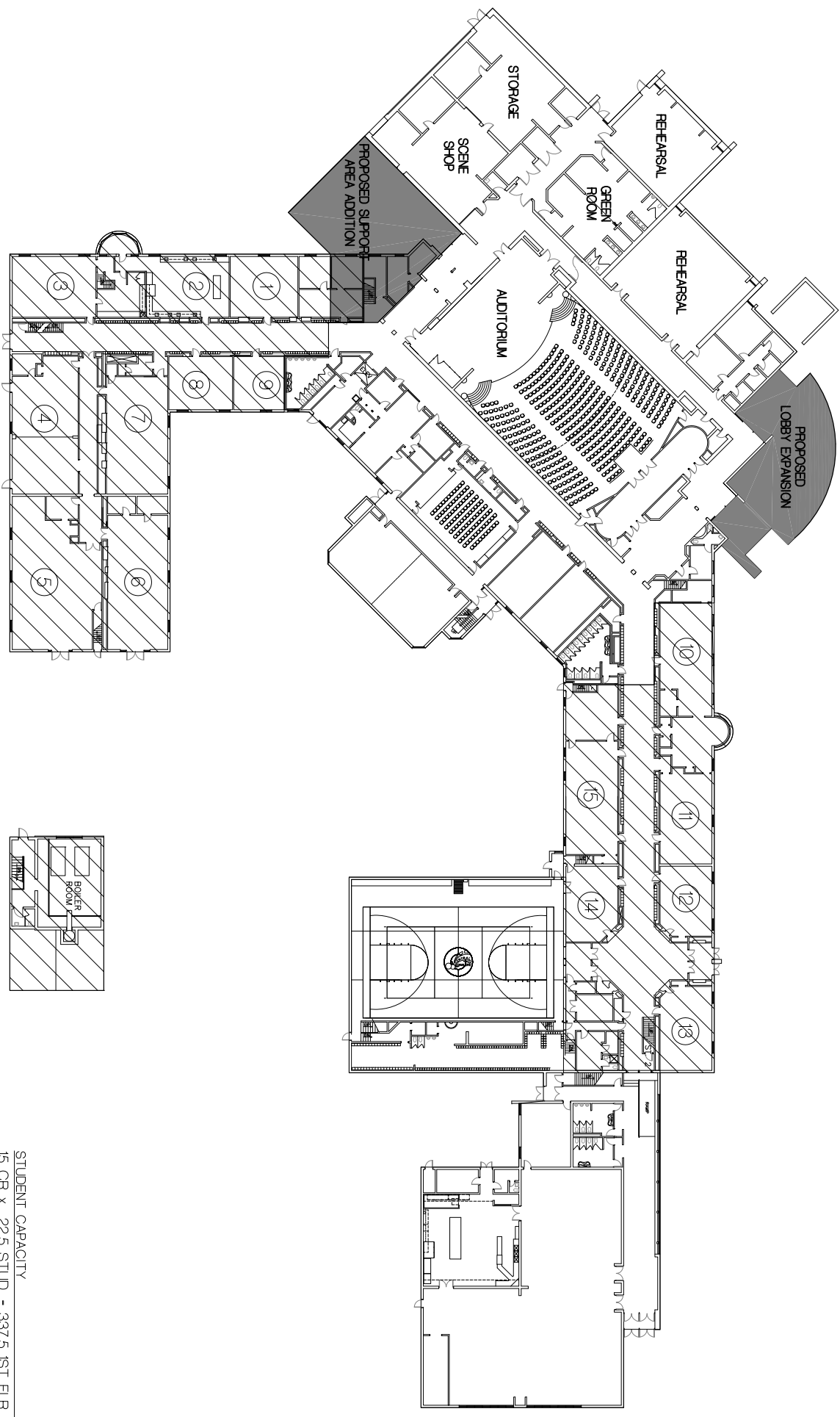
Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	0%
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- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High	34	X	22.5	=	765
(9-12) High School		X	21.25	=	0
Total Teaching Stations	34				

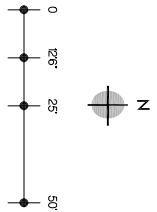
Square Footage for Closed Facility	50,898	Total Capacity	765
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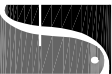
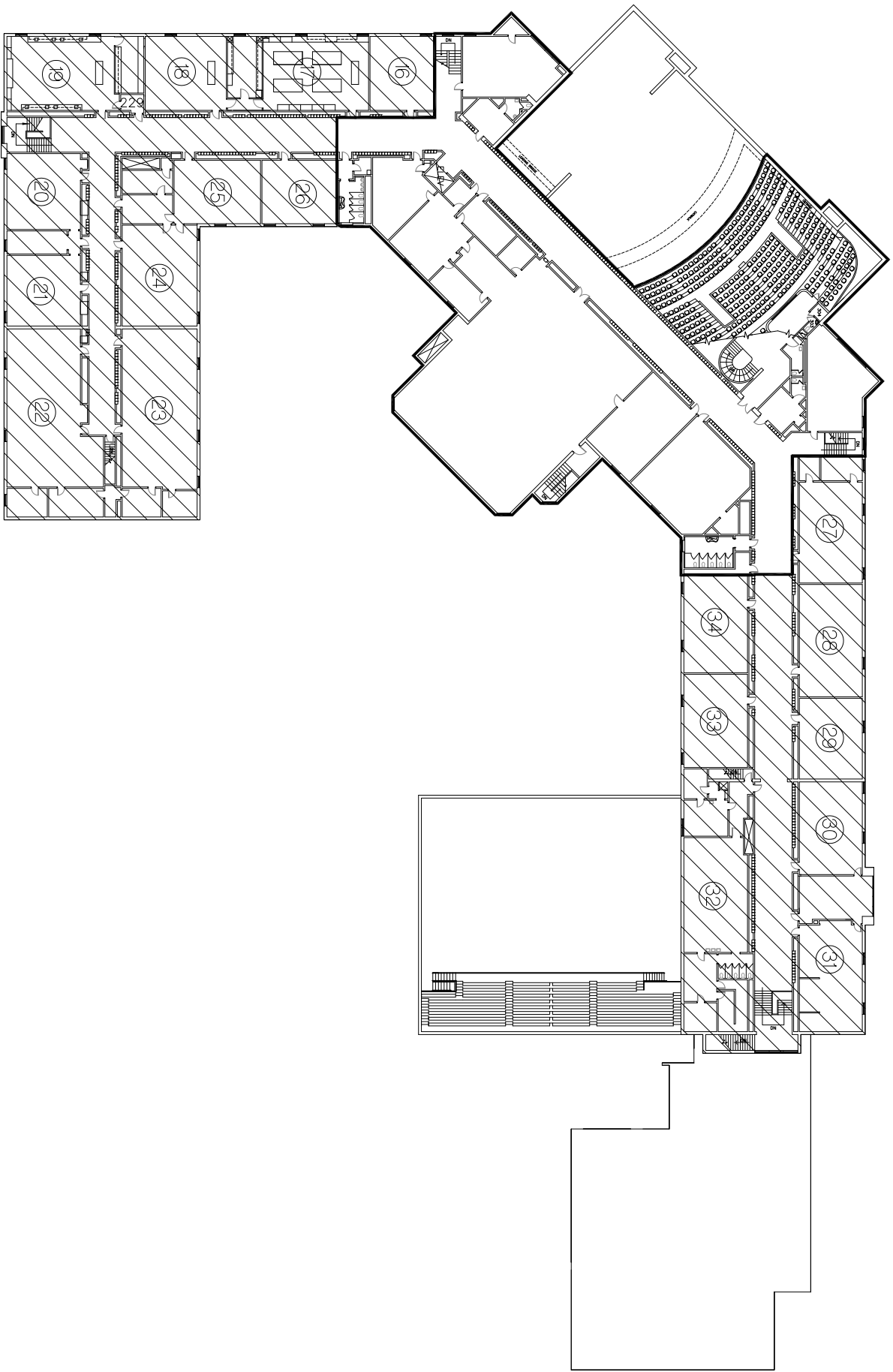
Please transfer applicable information to the Utilization Summary on Page 7 of the application.



STUDENT CAPACITY
 15 CR x 22.5 STUD. - 337.5 1ST FLR
 19 CR x 22.5 STUD. - 427.5 2ND FLR
 TOTAL - 765

LEGEND	
	EXISTING RENOVATE
	66,637 SQ. FT. 1ST FLR
	EXISTING RENOVATE
	18,700 SQ. FT. 2ND FLR
	TO BE CLOSED
	ADDITION
	4,000 SQ. FT.





FRENCH
architects

architects | french architects

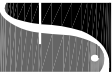
MIDLAND PUBLIC SCHOOLS

central auditorium - second floor

composite plan

october, 2014





architect: french midland

FRENCH
associates

MIDLAND PUBLIC SCHOOLS

central auditorium

composite site plan

october, 2014

Facility Condition Assessment

Project Number

9
Central Auditorium

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Recommend replacing HVAC system.

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.	X		
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.	X		
3.	Water drains quickly from sinks.	X		
4.	Floor area near toilets and sinks is dry.	X		

Overall assessment or comments:

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.	X		
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome
French Asso 33304

Signature

Printed Name

Firm Name and License Number

10/1/2014
dalej@frenchaia.com
248-656-7746
248-656-1377

Date

E-mail Address

Fax Number

Area Code and Telephone Number

Project Sheet

Project No.	10
Name of School Building:	Jefferson Middle School

Description of Series 1 Project: create secure entry, mechanical upgrades, technology infrastructure & equipment	Instructional Technology Description classroom teaching equipment and student devices
Description of Series 2 Project: building renovations, mechanical upgrades, electrical upgrades, technology infrastructure & equipment, site improvements and furniture	
Description of Series 3 Project: technology equipment	Site Work Description site infrastructure, paving, athletic field improvements

Type of Project:

New Building	→ New Construction Square Ft	_____	Cost per Sq Ft	_____
Additions(s)	→ New Addition Square Ft.	_____ sf	Cost per Sq Ft	_____
☒ Remodeling				
☒ Technology and/or Buses				
☒ Site Work				
Facility Closing	Demolish	Retain for future use	Convert to non-instructional	
	Sell or lease	Undetermined		

Statement describing any existing environmental or usability problems the proposed project will address.
 (ex: asbestos, energy use, or ADA requirements)

Remove asbestos

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$0	\$0	\$0	\$0
Remodeling	\$2,836,475	\$631,125	\$2,205,350	\$0
Construction Contingencies	\$546,753	\$186,688	\$325,583	\$34,483
Instructional Technology	\$1,828,500	\$1,210,700	\$272,975	\$344,825
Loose Furnishing/Equipment	\$319,050	\$25,050	\$294,000	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$483,500	\$0	\$483,500	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$311,998	\$121,347	\$190,652	\$0
CM Fees and Costs	\$412,226	\$158,684	\$253,542	\$0
Estimated Costs	\$6,738,502	\$2,333,594	\$4,025,601	\$379,308

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Signature	Dale Jerome	French Associates	33304
10/1/2014	Printed Name	Firm Name and License Number	
Date	dalej@frenchia.com	248-656-7746	248-656-1377
	E-mail Address	Fax Number	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Jefferson Middle School
800 W. Chapel Ln, Midland, MI 48640
Building Project Work List

Date: 10/1/2014 site visit: 7/8/2014
Grades: 6-8 enrollment: x
Year Built: 1963
Building Size: 112,246 capacity: x
Site Size: 22.000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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ARCHITECTURAL WORK

Environmental

Abate asbestos floor tile	35,000	sf	2.00	\$70,000	\$17,500	\$87,500	in classrooms	2
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Building Envelope

Replace doors, frames and hardware	40	ea	3,000.00	\$120,000	\$30,000	\$150,000	original	2
Replace glazing systems	7,500	sf	60.00	\$450,000	\$112,500	\$562,500		2
Replace soffits & canopy	1	ls	60,000.00	\$60,000	\$15,000	\$75,000	white panels above roof line	2

Interior Construction

Replace doors, frames and hardware	100	ea	200.00	\$20,000	\$5,000	\$25,000	doors/frames ok, replace handle w ADA le	2
Replace flooring	35,000	sf	4.25	\$148,800	\$37,200	\$186,000	at removed asbestos	2
Replace visual display boards	25	ea	2,500.00	\$62,500	\$15,625	\$78,125		2
Replace toilet partitions & accessories	20	ea	2,500.00	\$50,000	\$12,500	\$62,500	metal to plastic	2
Replace gym equipment	8	ea	2,500.00	\$20,000	\$5,000	\$25,000	main & aux gym backboards	2
Replace casework	100	lf	400.00	\$40,000	\$10,000	\$50,000		2
Replace fixed seating - auditorium	250	ea	160.00	\$40,000	\$10,000	\$50,000	original	2
Replace fixed seating - gym bleachers	800	ea	115.00	\$92,000	\$23,000	\$115,000	old wood	2
Renovate Media Center for Learn Labs	1	ls	50,000.00	\$50,000	\$12,500	\$62,500		2
Modify lobby to create secure entrance	2,000	sf	100.00	\$200,000	\$50,000	\$250,000		1

Architectural Work Subtotal:				\$1,423,300			\$1,779,125	
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MECHANICAL WORK

Plumbing

Replace Dom Water Heater	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		2
Replace Pool Heater	1	ea	50,000.00	\$50,000	\$12,500	\$62,500		2
Replace Pool heater piping from boiler room to pool	500	LF	50.00	\$25,000	\$6,250	\$31,250		2

H.V.A.C.

Replace Boiler	2	ea	150,000.00	\$300,000	\$75,000	\$375,000		1
Add AC to Tech Closet	1	ea	10,000.00	\$10,000	\$2,500	\$12,500	MDF	2
Replace Cabinet Unit Heaters	20	ea	5,000.00	\$100,000	\$25,000	\$125,000		2
Replace Exhaust Fans	15	ea	4,000.00	\$60,000	\$15,000	\$75,000		2
Correct Kitchen Ventilation Problems	1	LS	10,000.00	\$10,000	\$2,500	\$13,700		2

Temperature Controls

Replace all pneumatic controls with Digital	112,246	SF	2.25	\$252,600	\$63,150	\$315,750		2
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Mechanical Work Subtotal:				\$817,600			\$1,023,200	
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ELECTRICAL WORK

Electrical-Power

Add electrical to support technology	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		2
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Lighting

Upgrade Site Lighting	1	ls	112,000.00	\$112,000	\$28,000	\$140,000		2
Upgrade Exterior building mounted Lighting	1	ls	16,000.00	\$16,000	\$4,000	\$20,000		2
Add Exterior Emergency Egress Lighting	1	ls	4,000.00	\$4,000	\$1,000	\$5,000		2
Add Occupancy Sensors	1	ls	12,000.00	\$12,000	\$3,000	\$15,000		2
Upgrade Theater House Lights	1	ls	20,000.00	\$20,000	\$5,000	\$25,000		2

Electrical Work Subtotal:				\$174,000			\$217,500	
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MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Jefferson Middle School
800 W. Chapel Ln, Midland, MI 48640
Building Project Work List

Date: 10/1/2014 site visit: 7/8/2014
Grades: 6-8 enrollment: x
Year Built: 1963
Building Size: 112,246 capacity: x
Site Size: 22.000

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure

Remove Category 5 and/or supporting legacy cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		2
Fiber backbone to IDF's for 10G	2	ea	2,500.00	\$5,000	\$1,250	\$6,250		1
Additional voice/data structured cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		1
Allowance for cabling to support series 2 needs	1	allo	7,500.00	\$7,500	\$1,875	\$9,375		2

Network / Wireless / Phone

Replace network infr. - building core	1	ea	28,500.00	\$28,500	\$7,125	\$35,625		2
Replace network infr. - edge switches	15	ea	4,200.00	\$63,000	\$15,750	\$78,750	Based on existing plus 1 per closet growth	2
Replace UPS in each telecommunication room	3	ea	3,000.00	\$9,000	\$2,250	\$11,250		2
Network infrastructure for Series 1 needs	1	ls	25,125.00	\$25,125	\$6,281	\$31,406		1
Replace wireless infrastructure	71	ea	950.00	\$67,450	\$16,863	\$84,313		2
Replace phone system	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		2
Replace district servers	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		1

Clock System

Replace clock system	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		2
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Security

Video surveillance	1	ls	41,000.00	\$41,000	\$10,250	\$51,250		1
Expand access control	1	ls	15,000.00	\$15,000	\$3,750	\$18,750		1
Install district-wide PA system	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		2

Technology Infrastructure Subtotal: \$421,575 \$526,969

Remodeling Subtotal: \$2,836,475

SITE WORK

Site Infrastructure

Remove and replace fencing	1	allo	30,000.00	\$30,000	\$7,500	\$37,500	650 lf of fencing around tennis courts	2
Improve site furnishings	1	allo	20,000.00	\$20,000	\$5,000	\$25,000	bike racks, flag pole, fencing	2
Improve site grading / landscaping	1	allo	50,000.00	\$50,000	\$12,500	\$62,500	Storm water detention area, additional lan	2
Upgrade site utilities	1	allo	20,000.00	\$20,000	\$5,000	\$25,000	Additional storm sewer system	2

Site Paving

Replace site concrete	1	allo	20,000.00	\$20,000	\$5,000	\$25,000	Install new 3500SF 8' sidewalk w/ integral	2
Repave parking and drives	61	ksf	2,500.00	\$152,500	\$38,125	\$190,625	Additional parking in south lot. Repair wes	2
Repave parking and drives (deep strength asphalt)	14	ksf	4,000.00	\$56,000	\$14,000	\$70,000	Remove and replace bus drive	2

Playfields (playground/athletics)

Upgrade athletic fields	1	ls	60,000.00	\$60,000	\$15,000	\$75,000	relocate existing ball diamond	2
Resurface tennis courts	1	ls	75,000.00	\$75,000	\$18,750	\$93,750	including nets and fencing	2

Site Work Subtotal: \$483,500 \$604,375

INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices

Replace teacher/staff laptops	63	ea	1,000.00	\$63,000	\$15,750	\$78,750		1
Mobile devices for teachers/staff	63	ea	650.00	\$40,950	\$10,238	\$51,188		1
Replace student / lab desktops	64	ea	1,000.00	\$64,000	\$16,000	\$80,000		1
Replace student laptop carts	1	ea	34,500.00	\$34,500	\$8,625	\$43,125	Replace laptops only, use existing cart	1
Mobile devices for students (does not include cart)	935	ea	650.00	\$607,750	\$151,938	\$759,688	Based on 2013 enrollment +5%	1
Technology equipment - Series 1	1	ls	395,000.00	\$395,000	\$39,500	\$533,250	Placeholder row for shifting between serie	1
Technology equipment - Series 2	1	ls	111,325.00	\$111,325	\$11,133	\$122,458		2
Technology equipment - Series 3	1	ls	344,825.00	\$344,825	\$34,483	\$379,308		3

Classroom Technologies

Install classroom/lab projectors	53	ea	1,800.00	\$95,400	\$23,850	\$119,250		2
Install sound field amplification	53	ea	1,250.00	\$66,250	\$16,563	\$82,813		2
Document camera	10	ea	550.00	\$5,500	\$1,375	\$6,875		1

Technology Equipment subtotal: \$1,828,500 \$2,256,703

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Jefferson Middle School
800 W. Chapel Ln, Midland, MI 48640
Building Project Work List

Date: 10/1/2014 site visit: 7/8/2014
Grades: 6-8 enrollment: x
Year Built: 1963
Building Size: 112,246 capacity: x
Site Size: 22.000

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS

Replace BW printers	5	ea	600.00	\$3,000	\$750	\$3,750		1
Replace color printers	3	ls	1,350.00	\$4,050	\$1,013	\$5,063		1
Replace BW MFP printers	2	ea	7,500.00	\$15,000	\$3,750	\$18,750		1
Replace Point of Sale (POS) equipment / Food Service	3	ea	1,000.00	\$3,000	\$750	\$3,750		1

Technology - Audiovisual

Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		2
Conference room / IEP displays	2	ls	2,500.00	\$5,000	\$1,250	\$6,250		2
Install projector in auditorium	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		2
Enhance gym sound system	1	ea	2,000.00	\$2,000	\$500	\$2,500		2
Digital Signage	2	ea	2,800.00	\$5,600	\$1,400	\$7,000		2

Furniture & Furnishings

Replacement furniture & furnishings	112,246	ea	1.75	\$196,400	\$23,568	\$219,968	classroom desks and chairs	2
Replacement equipment	1	allo	15,000.00	\$15,000	\$1,800	\$16,800	athletics	2

F, F, & E Subtotal:	\$319,050	\$371,331
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TOTAL DIRECT COSTS:	\$5,467,525	\$6,779,202
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Project Contingency:	\$546,753
General Conditions:	\$100,228
CM Fee / Reimbursables:	\$311,998
A/E Fee / Reimbursables:	\$311,998

TOTAL PROJECT COSTS:	\$6,738,502	\$6,738,502 check #
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Notes:

Indirect costs include; contingency, general conditions & professional fees

Building Utilization

Project No.	10
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Name of School Building
Jefferson Middle School

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High	36	X	22.5	=	810
(9-12) High School		X	21.25	=	0
Sub Totals	36				810

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Total Teaching Stations	36	Total Capacity	810
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Current Gr. Structure	6-8	Projected 5-Year Enrollment	670
Proposed Gr. Structure	6-8		

Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	83%
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- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Total Teaching Stations	0				

Square Footage for Closed Facility		Total Capacity	0
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Please transfer applicable information to the Utilization Summary on Page 7 of the application.

Building Utilization

Project No.	11
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Name of School Building
Northeast Middle School

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High	45	X	22.5	=	1,013
(9-12) High School		X	21.25	=	0
Sub Totals	45				1,013

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Total Teaching Stations	45	Total Capacity	1,013
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Current Gr. Structure	6-8	Projected 5-Year Enrollment	842
Proposed Gr. Structure	6-8		

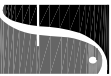
Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	83%
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- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Total Teaching Stations	0				

Square Footage for Closed Facility		Total Capacity	0
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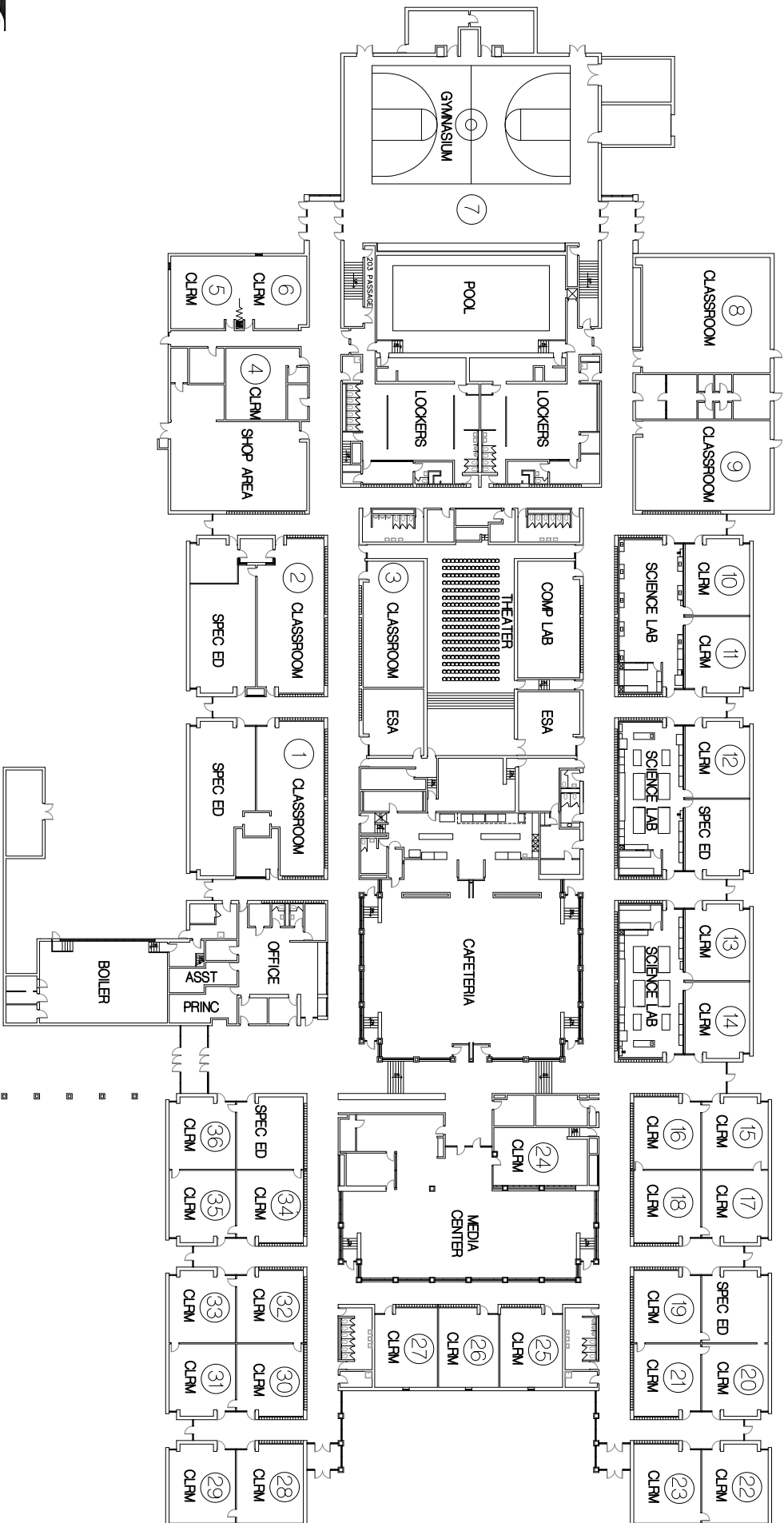
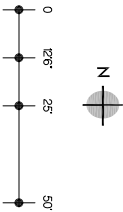
Please transfer applicable information to the Utilization Summary on Page 7 of the application.



FRENCH
MIDLAND PUBLIC SCHOOLS
associates

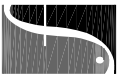
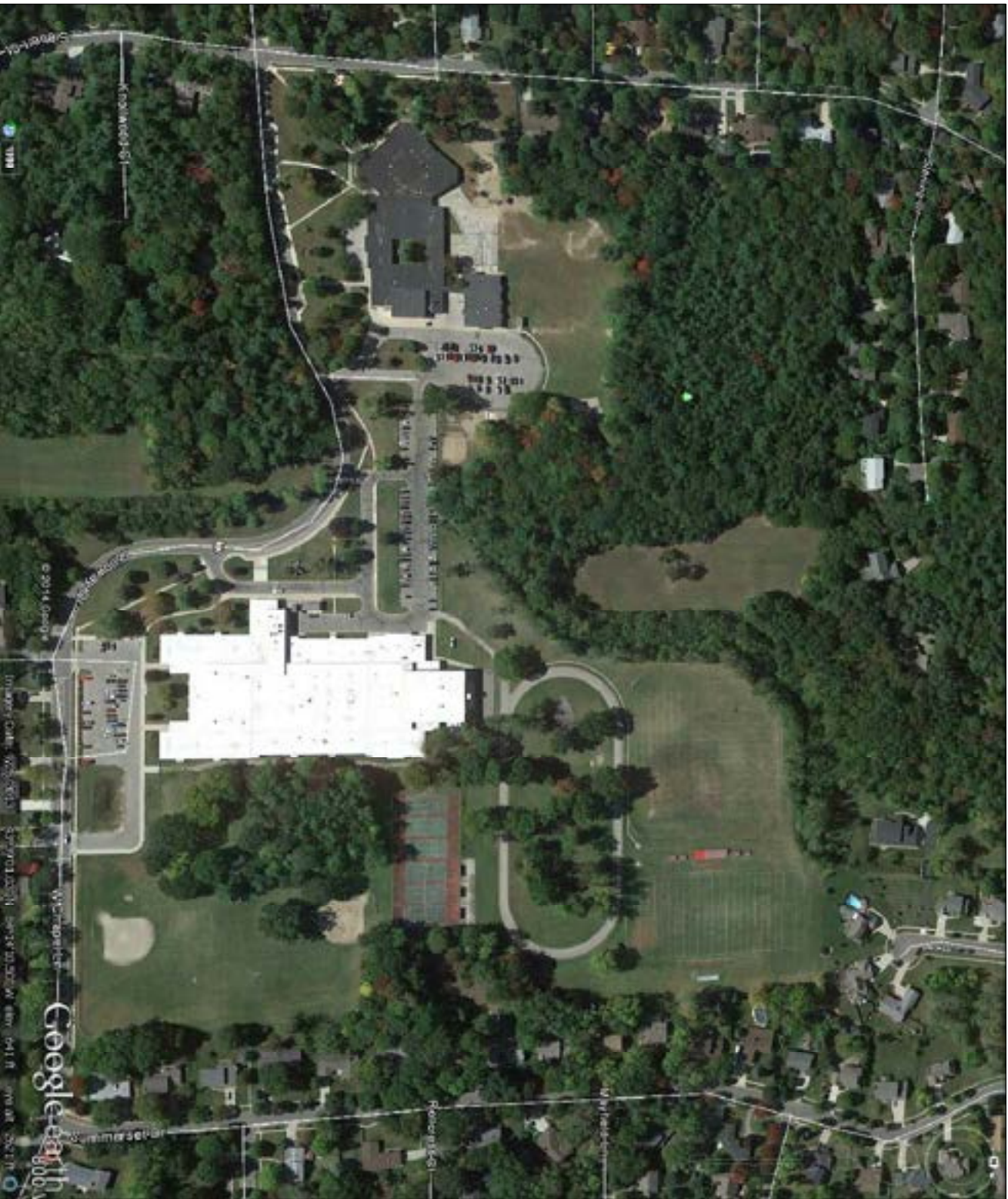
architect: jordan mitchell

jefferson middle school composite plan



STUDENT CAPACITY
36 CR x 22.5 STUD. - 810

LEGEND
EXISTING RENOVATE
112,246 SQ. FT.
ADDITION
0 SQ. FT.



architect/planner/interior

FRENCH
associates

MIDLAND PUBLIC SCHOOLS
jefferson middle school

composite site plan

october, 2014



Project Sheet

Project No.	11
Name of School Building:	Northeast Middle School

Description of Series 1 Project: create secure entry, mechanical upgrades, technology infrastructure & equipment	Instructional Technology Description classroom teaching equipment and student devices
Description of Series 2 Project: building renovations, mechanical upgrades, electrical upgrades, technology infrastructure & equipment, site improvements and furniture	
Description of Series 3 Project: technology equipment	Site Work Description demo modular classroom, site infrastructure, paving, athletic field improvements

Type of Project:

New Building	→ New Construction Square Ft	_____	Cost per Sq Ft	_____
Additions(s)	→ New Addition Square Ft.	_____ sf	Cost per Sq Ft	_____
☒ Remodeling				
☒ Technology and/or Buses				
☒ Site Work				
Facility Closing	Demolish	Retain for future use	Convert to non-instructional	
	Sell or lease	Undetermined		

**Statement describing any existing environmental or usability problems the proposed project will address.
(ex: asbestos, energy use, or ADA requirements)**

Remove asbestos

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$0	\$0	\$0	\$0
Remodeling	\$3,581,475	\$797,075	\$2,784,400	\$0
Construction Contingencies	\$628,343	\$214,418	\$369,920	\$44,005
Instructional Technology	\$2,103,150	\$1,306,900	\$356,200	\$440,050
Loose Furnishing/Equipment	\$396,200	\$40,200	\$356,000	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$202,600	\$0	\$202,600	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$350,989	\$139,371	\$211,617	\$0
CM Fees and Costs	\$464,453	\$182,255	\$282,198	\$0
Estimated Costs	\$7,727,209	\$2,680,219	\$4,562,936	\$484,055

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Dale Jerome	French Associates	33304
Signature	Printed Name	Firm Name and License Number
10/1/2014	dalej@frenchaia.com	248-656-1377
Date	E-mail Address	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Northeast Middle School
1305 E. Sugnet Rd., Midland MI 48642
Building Project Work List

Date: 10/1/2014 site visit: 7/8/2014
Grades: 6-8 enrollment: x
Year Built: 1950
Building Size: 147,638 capacity: x
Site Size: 13.000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
ARCHITECTURAL WORK									
<u>Environmental</u>	Abate asbestos floor tile	25	ksf	1,500.00	\$37,500	\$9,375	\$46,875	classrooms, theater	2
<u>Building Envelope</u>	Replace roof system	25,000	sf	9.00	\$225,000	\$56,250	\$281,250	partial	2
	Demo chimney	1	allo	20,000.00	\$20,000	\$5,000	\$25,000		2
	Replace exterior brick, add control joints	1	allo	150,000.00	\$150,000	\$37,500	\$187,500	major issues	1
	Replace glazing systems	1,500	sf	60.00	\$90,000	\$22,500	\$112,500		2
	Replace soffits & canopy	1	ls	60,000.00	\$60,000	\$15,000	\$75,000	panels are peeling/leaking	2
<u>Interior Construction</u>	Replace doors, frames and hardware	100	ea	200.00	\$20,000	\$5,000	\$25,000	doors/frames ok, replace handle w ADA le	2
	Install sound deadening panels	1	ls	30,000.00	\$30,000	\$7,500	\$37,500	main gym and aux gym	2
	Replace flooring	25,000	sf	4.25	\$106,300	\$26,575	\$132,875	classroom VAT	2
	Replace visual display boards	25	ea	2,500.00	\$62,500	\$15,625	\$78,125	chalk to marker	2
	Replace toilet partitions & accessories	20	ea	2,500.00	\$50,000	\$12,500	\$62,500	metal to plastic	2
	Replace lockers	1,000	ea	100.00	\$100,000	\$25,000	\$125,000	original, cannot get parts	2
	Replace gym equipment	8	ea	2,500.00	\$20,000	\$5,000	\$25,000	main & aux gym backboards	2
	Replace casework	100	lf	400.00	\$40,000	\$10,000	\$50,000	original wood - minimal	2
	Replace fixed seating - auditorium	250	ea	160.00	\$40,000	\$10,000	\$50,000	original	2
	Replace elevator	1	ls	50,000.00	\$50,000	\$12,500	\$62,500		2
	Renovate Media Center for Learn Labs	1	ls	50,000.00	\$50,000	\$12,500	\$62,500		2
	Modify lobby to create secure entrance	2,000	sf	100.00	\$200,000	\$50,000	\$250,000		1
Architectural Work Subtotal:					\$1,351,300		\$1,689,125		
MECHANICAL WORK									
<u>Plumbing</u>	New Pool heater	1	ea	60,000.00	\$60,000	\$15,000	\$75,000	(eliminate need to run boilers)	2
<u>H.V.A.C.</u>	Replace Boiler	2	ea	150,000.00	\$300,000	\$75,000	\$375,000		1
	Replace Condensate Pump Units	2	ea	15,000.00	\$30,000	\$7,500	\$37,500		2
	Replace all condensate piping	1,000	LF	50.00	\$50,000	\$12,500	\$62,500		2
	Replace Unit Ventilators with new vertical Units	38	ea	16,000.00	\$608,000	\$152,000	\$760,000		2
	Replace indoor Air Handling Units	3	ea	30,000.00	\$90,000	\$22,500	\$112,500		2
	Add AC to Tech Closet	2	ea	10,000.00	\$20,000	\$5,000	\$25,000	New IDF 2 and IDF3	2
	Replace Exhaust Fans	15	ea	4,000.00	\$60,000	\$15,000	\$75,000		2
<u>Temperature Controls</u>	Replace all pneumatic controls with Digital	147,638	SF	2.25	\$332,200	\$83,050	\$415,250		2
	Add controls to pool Air Handling Unit	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		2
Mechanical Work Subtotal:					\$1,560,200		\$1,950,250		
ELECTRICAL WORK									
<u>Electrical-Power</u>	Add electrical to support technology	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		2
<u>Lighting</u>	Upgrade Gym Lighting	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		2
	Upgrade Site Lighting	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		2
	Upgrade Exterior building mounted Lighting	1	ls	9,000.00	\$9,000	\$2,250	\$11,250		2
	Add Exterior Emergency Egress Lighting	1	ls	9,000.00	\$9,000	\$2,250	\$11,250		2
	Add Occupancy Sensors	1	ls	12,000.00	\$12,000	\$3,000	\$15,000		2
	Upgrade Theater House Lights	1	ls	20,000.00	\$20,000	\$5,000	\$25,000		2
	Upgrade Kitchen Lighting	1	ls	8,000.00	\$8,000	\$2,000	\$10,000		2
	Upgrade Aux Gym Lighting	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		2
Electrical Work Subtotal:					\$163,000		\$203,750		

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Northeast Middle School
1305 E. Sugnet Rd., Midland MI 48642
Building Project Work List

Date: 10/1/2014 site visit: 7/8/2014
Grades: 6-8 enrollment: x
Year Built: 1950
Building Size: 147,638 capacity: x
Site Size: 13,000

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure

Remove Category 5 and/or supporting legacy cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		2
Fiber backbone to IDF's for 10G	4	ea	2,500.00	\$10,000	\$2,500	\$12,500		1
Additional voice/data structured cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		1
Allowance for cabling to support series 2 needs	1	allo	7,500.00	\$7,500	\$1,875	\$9,375		2

Network / Wireless / Phone

Replace network infr. - building core	1	ea	28,500.00	\$28,500	\$7,125	\$35,625		2
Replace network infr. - edge switches	24	ea	4,200.00	\$100,800	\$25,200	\$126,000	Based on existing plus 1 per closet growth	2
Replace UPS in each telecommunication room	5	ea	3,000.00	\$15,000	\$3,750	\$18,750		2
Network infrastructure for Series 1 needs	1	ls	36,075.00	\$36,075	\$9,019	\$45,094		1
Replace wireless infrastructure	98	ea	950.00	\$93,100	\$23,275	\$116,375		2
Replace phone system	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		2
Replace district servers	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		1

Clock System

Replace clock system	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		2
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Security

Video surveillance	1	ls	41,000.00	\$41,000	\$10,250	\$51,250		1
Expand access control	1	ls	15,000.00	\$15,000	\$3,750	\$18,750		1
Install district-wide PA system	1	ls	35,000.00	\$35,000	\$8,750	\$43,750		2

Technology Infrastructure Subtotal: \$506,975 \$633,719

Remodeling Subtotal: \$3,581,475

SITE WORK

Site Infrastructure

Demo modular building and restoration	2	ea	10,000.00	\$20,000	\$5,000	\$25,000		2
Improve site furnishings	1	allo	20,000.00	\$20,000	\$5,000	\$25,000	bike racks, flag pole, fencing	2

Site Paving

Replace site concrete	1	allo	7,500.00	\$7,500	\$1,875	\$9,375		2
Repave parking and drives	1	allo	20,100.00	\$20,100	\$5,025	\$25,125	Problems at auto drop off area	2

Playfields (playground/athletics)

Upgrade athletic fields	1	ls	60,000.00	\$60,000	\$15,000	\$75,000	baseball and soccer	2
Resurface tennis courts	1	ls	75,000.00	\$75,000	\$18,750	\$93,750	nets and fencing	2

Site Work Subtotal: \$202,600 \$253,250

INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices

Replace teacher/staff laptops	76	ea	1,000.00	\$76,000	\$19,000	\$95,000		1
Mobile devices for teachers/staff	76	ea	650.00	\$49,400	\$12,350	\$61,750		1
Replace student / lab desktops	64	ea	1,000.00	\$64,000	\$16,000	\$80,000		1
Replace student laptop carts	1	ea	34,500.00	\$34,500	\$8,625	\$43,125	Replace laptops only, use existing cart	1
Mobile devices for students (does not include cart)	1,050	ea	650.00	\$682,500	\$170,625	\$853,125	Based on 2013 enrollment +5%	1
Technology equipment - Series 1	1	ls	395,000.00	\$395,000	\$39,500	\$533,250	Placeholder row for shifting between serie	1
Technology equipment - Series 2	1	ls	170,150.00	\$170,150	\$17,015	\$187,165		2
Technology equipment - Series 3	2	ls	220,025.00	\$440,050	\$44,005	\$484,055		3

Classroom Technologies

Install classroom/lab projectors	61	ea	1,800.00	\$109,800	\$27,450	\$137,250		2
Install sound field amplification	61	ea	1,250.00	\$76,250	\$19,063	\$95,313		2
Document camera	10	ea	550.00	\$5,500	\$1,375	\$6,875		1

Technology Equipment subtotal: \$2,103,150 \$2,576,908

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Northeast Middle School
1305 E. Sugnet Rd., Midland MI 48642
Building Project Work List

Date: 10/1/2014 site visit: 7/8/2014
Grades: 6-8 enrollment: x
Year Built: 1950
Building Size: 147,638 capacity: x
Site Size: 13.000

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS

Replace BW printers	3	ea	600.00	\$1,800	\$450	\$2,250		1
Replace color printers	4	ls	1,350.00	\$5,400	\$1,350	\$6,750		1
Replace BW MFP printers	4	ea	7,500.00	\$30,000	\$7,500	\$37,500		1
Replace Point of Sale (POS) equipment / Food Service	3	ea	1,000.00	\$3,000	\$750	\$3,750		1

Technology - Audiovisual

Audiovisual for collaboration spaces (whole class)	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		2
Conference room / IEP displays	2	ls	2,500.00	\$5,000	\$1,250	\$6,250		2
Install projector in auditorium	1	ea	35,000.00	\$35,000	\$8,750	\$43,750		2
Enhance gym sound system	1	ea	2,000.00	\$2,000	\$500	\$2,500		2
Digital Signage	2	ea	2,800.00	\$5,600	\$1,400	\$7,000		2

Furniture & Furnishings

Replacement furniture & furnishings	147,638	ea	1.75	\$258,400	\$31,008	\$289,408	classroom desks and chairs	2
Replacement equipment	1	allo	15,000.00	\$15,000	\$1,800	\$16,800	athletics	2

F, F, & E Subtotal:	\$396,200	\$459,708
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TOTAL DIRECT COSTS:	\$6,283,425	\$7,766,709
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Project Contingency:	\$628,343
General Conditions:	\$113,465
CM Fee / Reimbursables:	\$350,989
A/E Fee / Reimbursables:	\$350,989

TOTAL PROJECT COSTS:	\$7,727,209
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\$7,727,209 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees

Facility Condition Assessment

Project Number
10

Jefferson Middle School

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Recommend replacing HVAC system.

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Recommend adding secure entry.

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.	X		
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.	X		
3.	Water drains quickly from sinks.	X		
4.	Floor area near toilets and sinks is dry.	X		

Overall assessment or comments:

Recommend replacing original single pane windows.

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.	X		
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

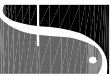
Overall assessment or comments:

Recommend adding electrical outlets to classrooms if additional technology is added

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome		French Asso 33304	
Signature	Printed Name	Firm Name and License Number	
10/1/2014	dalej@frenchaia.com	248-656-7746	248-656-1377
Date	E-mail Address	Fax Number	Area Code and Telephone Number



architect: french associates

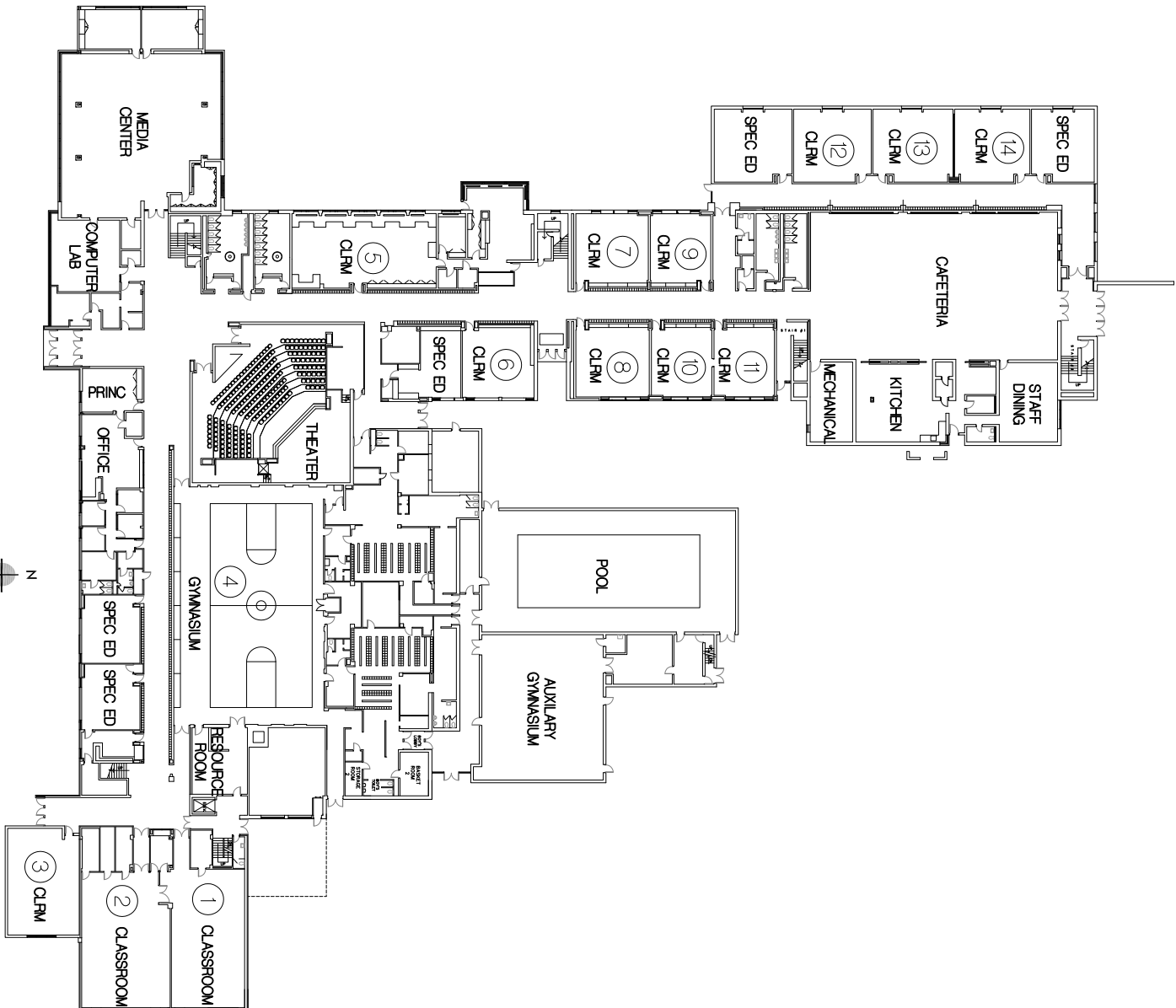
FRENCH
associates

MIDLAND PUBLIC SCHOOLS

northeast middle school - first floor

composite plan

october, 2014



STUDENT CAPACITY

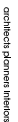
14 CR x 22.5 STUD. - 315 1ST FLR
31 CR x 22.5 STUD. - 697.5 2ND FLR

TOTAL - 1012.5

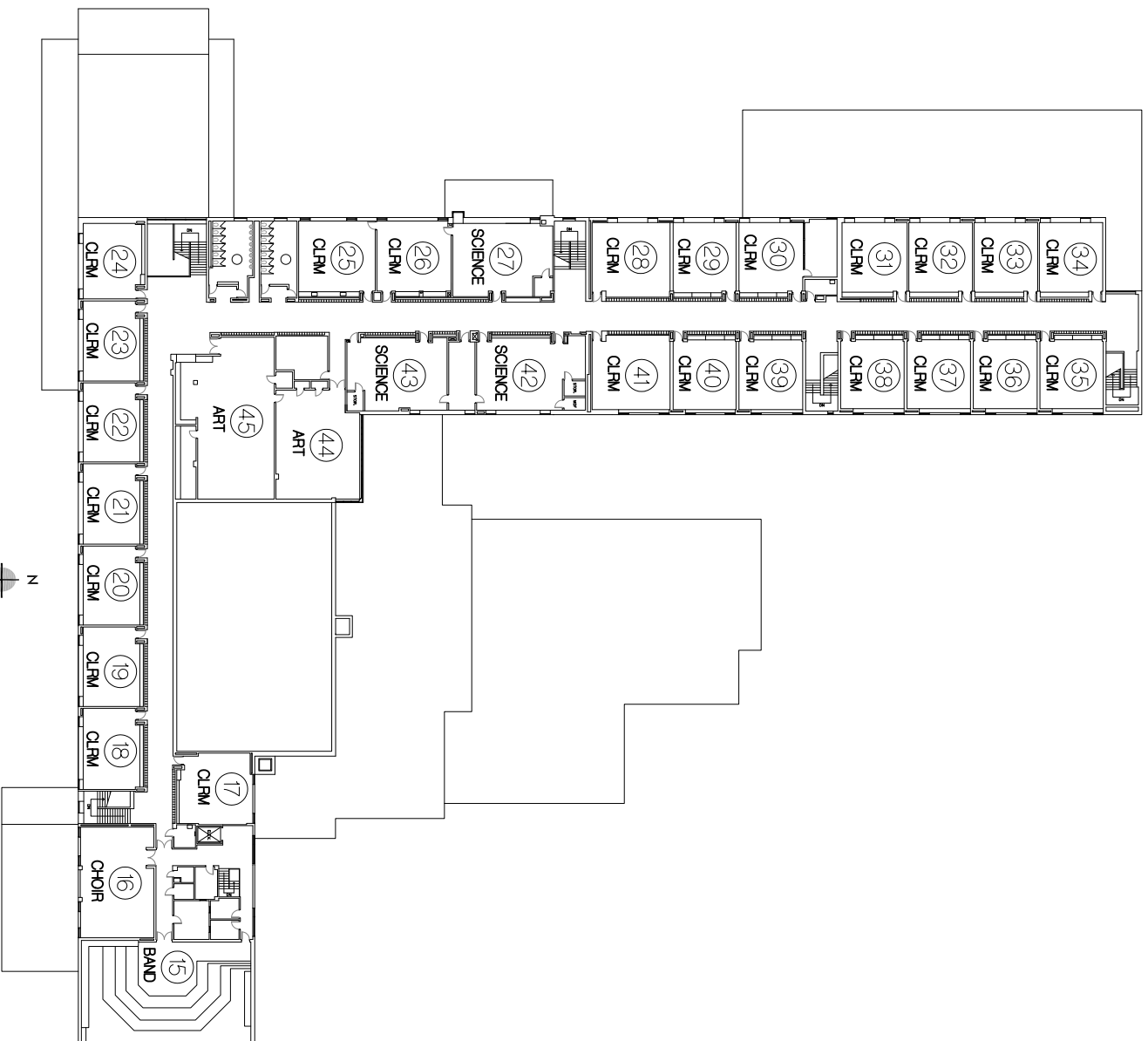
LEGEND

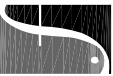
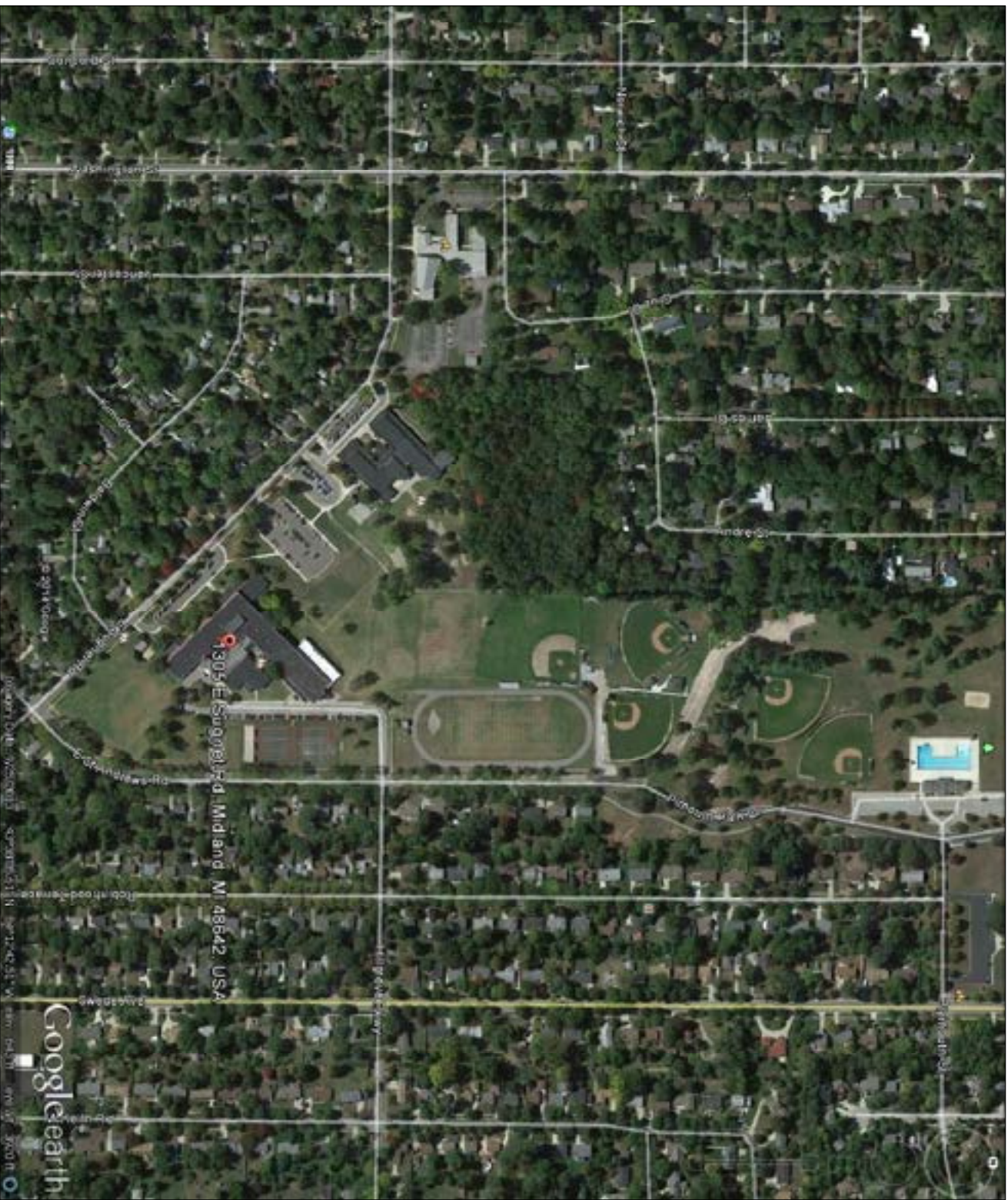
EXISTING RENOVATE
147,638 SQ. FT. TOTAL

ADDITION
0 SQ. FT.



MIDLAND PUBLIC SCHOOLS
northeast middle school - second floor
composite plan
october, 2014

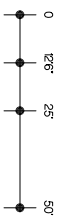




architect french architects

FRENCH
associates

MIDLAND PUBLIC SCHOOLS
northeast middle school
composite site plan
october, 2014



Facility Condition Assessment

Project Number
11

Northeast Middle School

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Recommend replacing HVAC system.

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Recommend adding secure entry.

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.		X	
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.		X	

Overall assessment or comments:

Recommend replacing portion of roof. Exterior brick has shifted in areas due to lack of control joints. Recommend adding control joints and replacing select brick sections

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.	X		
3.	Water drains quickly from sinks.	X		
4.	Floor area near toilets and sinks is dry.	X		

Overall assessment or comments:

Recommend replacing original single pane windows.

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.	X		
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Recommend adding electrical outlets to classrooms if additional technology is added

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome		French Asso 33304	
Signature	Printed Name	Firm Name and License Number	
10/1/2014	dalej@frenchaia.com	248-656-7746	248-656-1377
Date	E-mail Address	Fax Number	Area Code and Telephone Number

Project Sheet

Project No.	12
Name of School Building:	H.H. Dow High School

Description of Series 1 Project: security entry addition/renovations/site work, technology infrastructure & equipment	Instructional Technology Description classroom teaching equipment and student devices
Description of Series 2 Project: building renovations, mechanical upgrades, electrical upgrades, technology infrastructure & equipment, site improvements and furniture	
Description of Series 3 Project: technology equipment	Site Work Description demo modular classrooms, site infrastructure, paving, athletic field improvements

Type of Project:

New Building	→ New Construction Square Ft	Cost per Sq Ft	
☒ Additions(s)	→ New Addition Square Ft.	Cost per Sq Ft	192
☒ Remodeling			
☒ Technology and/or Buses			
☒ Site Work			
Facility Closing	Demolish	Retain for future use	Convert to non-instructional
	Sell or lease	Undetermined	

**Statement describing any existing environmental or usability problems the proposed project will address.
(ex: asbestos, energy use, or ADA requirements)**

Remove asbestos

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$384,000	\$384,000	\$0	\$0
Remodeling	\$5,082,275	\$293,125	\$4,789,150	\$0
Construction Contingencies	\$1,136,150	\$243,388	\$833,775	\$58,988
Instructional Technology	\$3,278,475	\$1,678,100	\$1,010,500	\$589,875
Loose Furnishing/Equipment	\$816,050	\$62,650	\$753,400	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$1,800,700	\$16,000	\$1,784,700	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$618,464	\$158,202	\$460,262	\$0
CM Fees and Costs	\$819,664	\$206,879	\$612,785	\$0
Estimated Costs	\$13,935,778	\$3,042,344	\$10,244,572	\$648,863

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Dale Jerome	French Associates	33304
Signature	Printed Name	Firm Name and License Number
10/1/2014	dalej@frenchia.com	248-656-1377
Date	E-mail Address	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
H.H. Dow High School
3901 N. Saginaw Rd., Midland, MI 48640
Building Project Work List

Date: 10/1/2014 site visit: 7/2/2014
Grades: 9 thru 12 enrollment: x
Year Built: 1967 (Music room & gym 2005, classroom addition 2006)
Building Size: 276,104 capacity: x
Site Size: 67.000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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NEW CONSTRUCTION

Addition

Secure Entrance Office Addition	2,000	sf	192.00	\$384,000	\$96,000	\$480,000			1
New Construction Subtotal:		2,000		192.00	\$384,000		\$480,000		

ARCHITECTURAL WORK

Building Envelope

Replace doors, frames and hardware	150	ea	3,000.00	\$450,000	\$112,500	\$562,500			2
Replace glazing systems	15,000	sf	60.00	\$900,000	\$225,000	\$1,125,000			2

Interior Construction

Replace visual display boards	25	ea	2,500.00	\$62,500	\$15,625	\$78,125	chalk to marker		2
Replace toilet partitions & accessories	20	ea	2,500.00	\$50,000	\$12,500	\$62,500	metal to plastic		2
Replace gym lockers	500	ea	125.00	\$62,500	\$15,625	\$78,125			2
Replace folding wall	1	ea	50,000.00	\$50,000	\$12,500	\$62,500	cafeteria		2
Replace fixed seating - auditorium	500	ea	160.00	\$80,000	\$20,000	\$100,000			2
Replace fixed seating - bleachers	500	ea	115.00	\$57,500	\$14,375	\$71,875	pool-wood		2
Renovate Media Center	1	ls	180,000.00	\$180,000	\$45,000	\$225,000	layout for Learn Lab		2
Renovate science labs	3	ea	125,000.00	\$375,000	\$93,750	\$468,750	casework, sinks, flooring		2
Renovations to connect to addition	2,000	ea	5.00	\$10,000	\$2,500	\$12,500			1

Architectural Work Subtotal: \$2,277,500 \$2,846,875

MECHANICAL WORK

Plumbing

New Pool heater (eliminate need to run boilers)	1	ea	60,000.00	\$60,000	\$15,000	\$75,000			2
Replace galvanized domestic water piping	3,000	LF	40.00	\$120,000	\$30,000	\$150,000			2
New Dom Water heater for locker rooms (eliminate need	1	ea	15,000.00	\$15,000	\$3,750	\$18,750			2

H.V.A.C.

Replace indoor Air Handling Units	14	ea	30,000.00	\$420,000	\$105,000	\$525,000			2
New Roof Top Unit with DX for Office area	1	ea	25,000.00	\$25,000	\$6,250	\$31,250	(7.5 Tons)		2
Add AC to Tech Closet	2	ea	10,000.00	\$20,000	\$5,000	\$25,000	IDF 5 and gym IDF		2
Add cooling coil to Gym Air Handling Unit	1	ea	5,000.00	\$5,000	\$1,250	\$6,250	(pipe is already there)		2
Replace Cabinet Unit Heaters	20	ea	5,000.00	\$100,000	\$25,000	\$125,000			2
Replace Exhaust Fans	20	ea	4,000.00	\$80,000	\$20,000	\$100,000			2
New outdoor dust collector	1	ea	35,000.00	\$35,000	\$8,800	\$52,550			2

Temperature Controls

Replace all pneumatic controls with Digital	276,104	SF	2.25	\$621,200	\$155,300	\$776,500			2
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Mechanical Work Subtotal: \$1,501,200 \$1,885,300

ELECTRICAL WORK

Electrical-Power

Add electrical to support technology	1	allo	10,000.00	\$10,000	\$2,500	\$12,500			2
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Lighting

Upgrade Site Lighting	1	ls	280,000.00	\$280,000	\$70,000	\$350,000			2
Upgrade Exterior building mounted Lighting	1	ls	30,000.00	\$30,000	\$7,500	\$37,500			2
Add Exterior Emergency Egress Lighting	1	ls	25,000.00	\$25,000	\$6,250	\$31,250			2
Add Occupancy Sensors	1	LS	14,000.00	\$14,000	\$3,500	\$17,500			2
Upgrade Theater House Lights	1	ls	20,000.00	\$20,000	\$5,000	\$25,000			2
Provide Emergency Power to Pool Pump	1	ls	40,000.00	\$40,000	\$10,000	\$50,000			2

Electrical Work Subtotal: \$419,000 \$523,750

MIDLAND PUBLIC SCHOOLS**District Wide Facility Assessment****H.H. Dow High School**

3901 N. Saginaw Rd., Midland, MI 48640

Building Project Work List

Date: 10/1/2014 site visit: 7/2/2014

Grades: 9 thru 12 enrollment: x

Year Built: 1967 (Music room & gym 2005, classroom addition 2006)

Building Size: 276,104 capacity: x

Site Size: 67.000

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

TECHNOLOGY INFRASTRUCTURE**Cabling Infrastructure**

Remove Category 5 and/or supporting legacy cabling	1	allo	15,000.00	\$15,000	\$3,750	\$18,750		2
Fiber backbone to IDFs for 10G	7	ea	2,500.00	\$17,500	\$4,375	\$21,875		1
Additional voice/data structured cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500	Support office addition and other needs	1
Allowance for cabling to support series 2 needs	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		2

Network / Wireless / Phone

Replace network infr. - building core	1	ea	28,500.00	\$28,500	\$7,125	\$35,625		2
Replace network infr. - edge switches	50	ea	4,200.00	\$210,000	\$52,500	\$262,500	Based on existing plus 1 per closet growth	2
Replace UPS in each telecommunication room	8	ea	3,000.00	\$24,000	\$6,000	\$30,000		2
Network infrastructure for Series 1 needs	1	ls	65,625.00	\$65,625	\$16,406	\$82,031		1
Replace wireless infrastructure	141	ea	950.00	\$133,950	\$33,488	\$167,438		2
Replace phone system	1	ls	45,000.00	\$45,000	\$11,250	\$56,250		2
Replace district servers	1	ls	100,000.00	\$100,000	\$25,000	\$125,000		1
Refresh/expand servers/management tools series 2	1	allo	50,000.00	\$50,000	\$12,500	\$62,500		2

Clock System

Replace clock system	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		2
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Security

Video surveillance	1	ls	65,000.00	\$65,000	\$16,250	\$81,250		1
Expand access control	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		1
Install district-wide PA system	1	ls	55,000.00	\$55,000	\$13,750	\$68,750		2

Technology Infrastructure Subtotal:**\$884,575****\$1,105,719****Remodeling Subtotal:****\$5,082,275****SITE WORK****Site Infrastructure**

Demo modular Building	3	ea	10,000.00	\$30,000	\$7,500	\$37,500		2
Remove and replace fencing	1	allo	10,000.00	\$10,000	\$2,500	\$12,500	Install two gates to control access	2
Improve site furnishings	1	allo	150,000.00	\$150,000	\$37,500	\$187,500	bike racks, flag pole, fencing	2
Improve site grading / landscaping	1	allo	50,000.00	\$50,000	\$12,500	\$62,500	Additional storm sewer detention area	2
Site Work for Addition	2,000	sf	8.00	\$16,000	\$4,000	\$20,000		1

Site Paving

Replace site concrete	48,200	SF	6.00	\$289,200	\$72,300	\$361,500	Remove concrete, re-grade, eliminate step	2
Remove and replace 24" curb and gutter	1,000	LF	20.00	\$20,000	\$5,000	\$25,000		2
Asphalt curb	1	allo	3,000.00	\$3,000	\$750	\$3,750		2
Repave parking and drives	389	ksf	2,500.00	\$972,500	\$243,125	\$1,215,625	Regrading, reconstructing for step removal	2

Playfields (playground/athletics)

Improve playground / playfield area	1	ls	160,000.00	\$160,000	\$40,000	\$200,000	athletic support building	2
Resurface tennis courts	1	allo	100,000.00	\$100,000	\$25,000	\$125,000	nets and fencing	2

Site Work Subtotal:**\$1,800,700****\$2,250,875****INSTRUCTIONAL TECHNOLOGY EQUIPMENT****Computers and Mobile Devices**

Replace teacher/staff laptops	115	ea	1,000.00	\$115,000	\$28,750	\$143,750		1
Mobile devices for teachers/staff	115	ea	650.00	\$74,750	\$18,688	\$93,438		1
Replace student / lab desktops	320	ea	1,000.00	\$320,000	\$80,000	\$400,000		1
Replace lab workstations (CAD, arts, video production)	77	ea	1,800.00	\$138,600	\$34,650	\$173,250		1
Replace student laptop carts	4	ea	34,500.00	\$138,000	\$34,500	\$172,500	Replace laptops only, reuse existing cart	1
Mobile devices for students (does not include cart)	1,355	ea	650.00	\$880,750	\$220,188	\$1,100,938	Based on 2013 enrollment +5%	1
Technology equipment - Series 2	1	ls	711,600.00	\$711,600	\$71,160	\$782,760	Refresh of computers	2
Technology equipment - Series 3	2	ls	294,937.50	\$589,875	\$58,988	\$648,863	2x Refresh of mobile devices (1 at beginning)	3

Classroom Technologies

Install classroom/lab projectors	98	ea	1,800.00	\$176,400	\$44,100	\$220,500		2
Install sound field amplification	98	ea	1,250.00	\$122,500	\$30,625	\$153,125		2
Document camera	20	ea	550.00	\$11,000	\$2,750	\$13,750		1

Technology Equipment subtotal:**\$3,278,475****\$3,902,873**

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
H.H. Dow High School
3901 N. Saginaw Rd., Midland, MI 48640
Building Project Work List

Date: 10/1/2014 site visit: 7/2/2014
Grades: 9 thru 12 enrollment: x
Year Built: 1967 (Music room & gym 2005, classroom addition 2006)
Building Size: 276,104 capacity: x
Site Size: 67.000

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS

Replace BW printers	14	ea	600.00	\$8,400	\$2,100	\$10,500		1
Replace color printers	5	ls	1,350.00	\$6,750	\$1,688	\$8,438		1
Replace BW MFP printers	5	ea	7,500.00	\$37,500	\$9,375	\$46,875		1
Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		1

Technology - Audiovisual

Media center audiovisual	1	ls	15,000.00	\$15,000	\$3,750	\$18,750		2
Audiovisual for collaboration spaces (small group)	2	ea	10,000.00	\$20,000	\$5,000	\$25,000		2
Audiovisual for collaboration spaces (whole class)	2	ea	35,000.00	\$70,000	\$17,500	\$87,500		2
Audiovisual for online learning space	2	ls	5,000.00	\$10,000	\$2,500	\$12,500		2
Conference room / IEP displays	4	ls	2,500.00	\$10,000	\$2,500	\$12,500		2
Install projector in auditorium	1	ea	50,000.00	\$50,000	\$12,500	\$62,500		2
Recording capabilities in band and orchestra classrooms	2	ea	10,000.00	\$20,000	\$5,000	\$25,000		2
Enhance gym sound system	1	ea	2,000.00	\$2,000	\$500	\$2,500		2
Digital Signage	4	ea	2,800.00	\$11,200	\$2,800	\$14,000		2

Furniture & Furnishings

Replacement furniture & furnishings	276,104	ea	1.75	\$483,200	\$57,984	\$541,184	classroom desks and chairs	2
Replacement equipment	1	allo	50,000.00	\$50,000	\$6,000	\$56,000	athletics	2
Furniture for Addition	2,000	sf	6.00	\$12,000	\$1,440	\$13,440	office desks and chairs	2

F, F, & E Subtotal:

\$816,050

\$949,187

TOTAL DIRECT COSTS: \$11,361,500

\$13,944,578

Project Contingency: \$1,136,150
General Conditions: \$201,201
CM Fee / Reimbursables: \$618,464
A/E Fee / Reimbursables: \$618,464

TOTAL PROJECT COSTS: \$13,935,778

\$13,935,778 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees

Building Utilization

Project No.	12
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Name of School Building
H.H. Dow High School

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School	56	X	21.25	=	1,190
Sub Totals	56				1,190

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Total Teaching Stations	56	Total Capacity	1,190
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Current Gr. Structure	9-12	Projected 5-Year Enrollment	960
Proposed Gr. Structure	9-12		

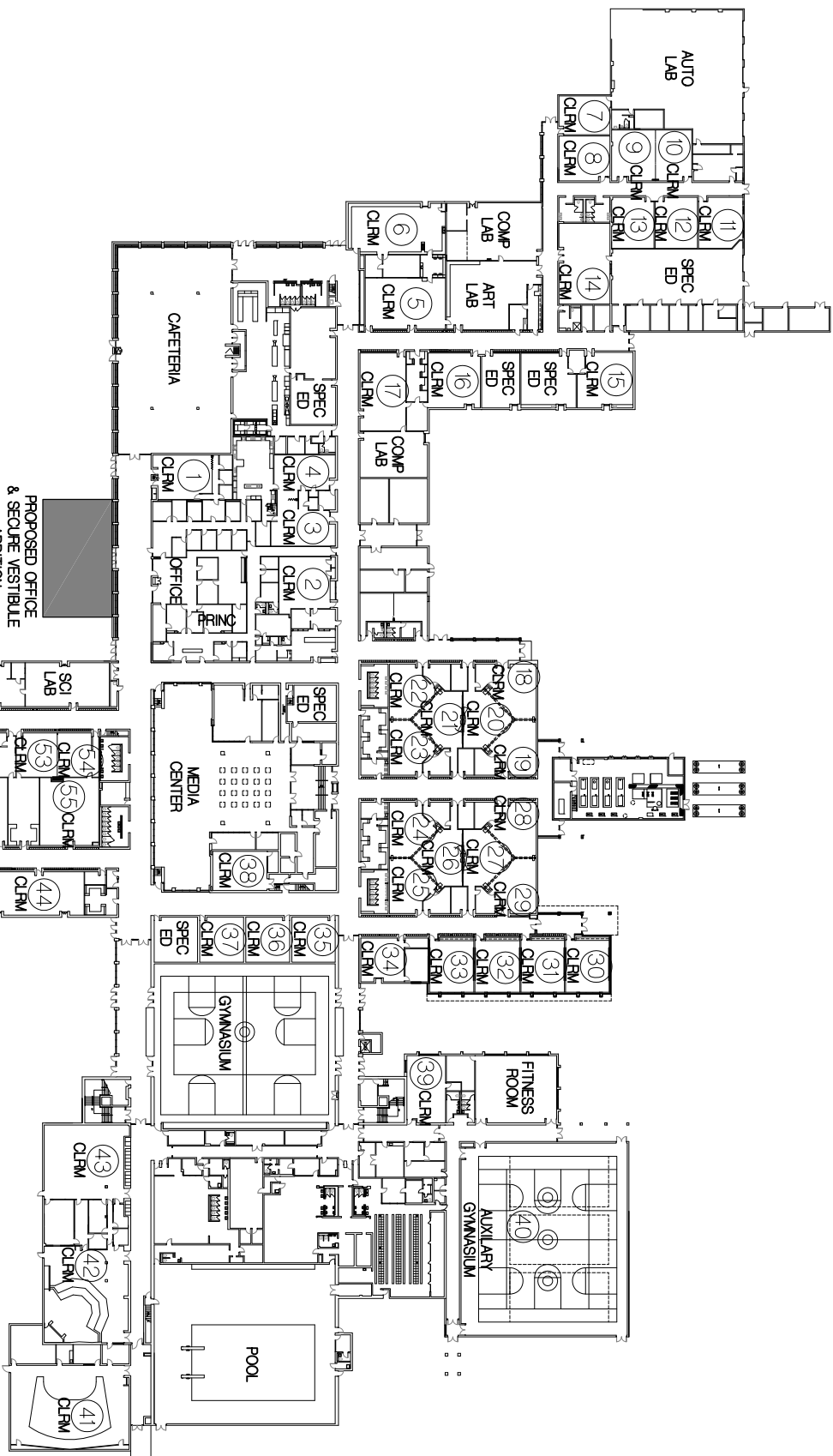
Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	81%
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- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

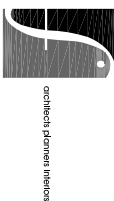
Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Total Teaching Stations	0				

Square Footage for Closed Facility		Total Capacity	0
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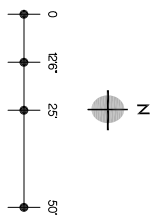
Please transfer applicable information to the Utilization Summary on Page 7 of the application.



PROPOSED OFFICE
& SECURE VESTIBULE
ADDITION

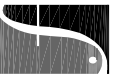
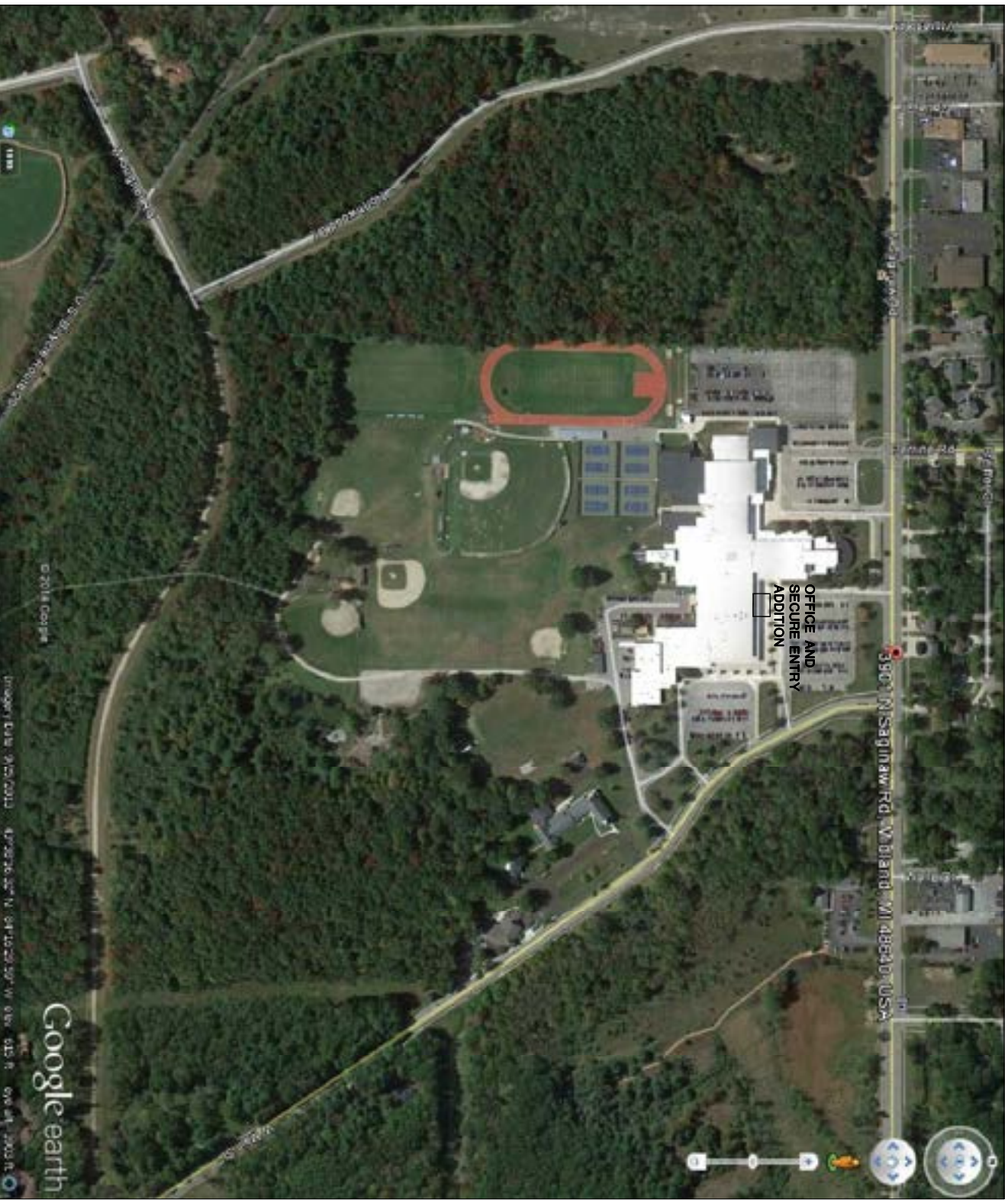


FRENCH
associates
MIDLAND PUBLIC SCHOOLS
HH Dow High School
composite plan
october, 2014



STUDENT CAPACITY
56 CR x 21.25 STUD. = 1,190

LEGEND
EXISTING RENOVATE
276,104 SQ. FT. TOTAL
ADDITION
2000 SQ. FT.



architect/planner/interior

FRENCH
associates

MIDLAND PUBLIC SCHOOLS

HH Dow High School

composite site plan

october, 2014

Facility Condition Assessment

Project Number

12
H.H. Dow High School

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Recommend replacing HVAC system.

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Recommend adding secure entry.

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.	X		
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.	X		
3.	Water drains quickly from sinks.	X		
4.	Floor area near toilets and sinks is dry.	X		

Overall assessment or comments:

Recommend replacing original single pane windows.

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.	X		
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Recommend adding electrical outlets to classrooms if additional technology is added

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome
French Asso 33304

Signature

Printed Name

Firm Name and License Number

10/1/2014
dalej@frenchaia.com
248-656-7746
248-656-1377

Date

E-mail Address

Fax Number

Area Code and Telephone Number

Project Sheet

Project No.	13
Name of School Building:	Midland High School

Description of Series 1 Project: create secure entry, technology infrastructure & equipment	Instructional Technology Description classroom teaching equipment and student devices
Description of Series 2 Project: building renovations, mechanical upgrades, electrical upgrades, technology infrastructure & equipment, site improvements and furniture	Site Work Description site infrastructure, paving, athletic field improvements
Description of Series 3 Project: technology equipment	

Type of Project:

New Building	→ New Construction Square Ft	_____	Cost per Sq Ft	_____
Additions(s)	→ New Addition Square Ft.	_____ sf	Cost per Sq Ft	_____
☒ Remodeling				
☒ Technology and/or Buses				
☒ Site Work				
Facility Closing	Demolish	Retain for future use	Convert to non-instructional	
	Sell or lease	Undetermined		

Statement describing any existing environmental or usability problems the proposed project will address.
(ex: asbestos, energy use, or ADA requirements)

Remove asbestos

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$0	\$0	\$0	\$0
Remodeling	\$4,087,705	\$386,555	\$3,701,150	\$0
Construction Contingencies	\$1,126,646	\$227,761	\$833,690	\$65,195
Instructional Technology	\$3,492,250	\$1,800,350	\$1,039,950	\$651,950
Loose Furnishing/Equipment	\$881,500	\$90,700	\$790,800	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$2,805,000	\$0	\$2,805,000	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$606,665	\$148,044	\$458,621	\$0
CM Fees and Costs	\$804,683	\$193,596	\$611,087	\$0
Estimated Costs	\$13,804,448	\$2,847,006	\$10,240,297	\$717,145

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Dale Jerome	French Associates	33304
Signature	Printed Name	Firm Name and License Number
10/1/2014	dalej@frenchia.com	248-656-1377
Date	E-mail Address	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Midland High School
1301 Eastlawn, Midland, MI 48642
Building Project Work List

Date: 10/1/2014 site visit: 7/2/2014
Grades: 9 thru 12 enrollment: x
Year Built: 1955 (Music room & aux. gym in 2006)
Building Size: 295,752 capacity: x
Site Size: 39.000

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

ARCHITECTURAL WORK

Environmental

Abate asbestos floor tile	10	ksf	1,500.00	\$15,000	\$3,750	\$18,750	corridor	2
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Building Envelope

Add downspout and gutters	1	allo	5,000.00	\$5,000	\$1,250	\$6,250	Roof overflow causing concrete to heave	2
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Interior Construction

Replace flooring	10,000	sf	4.25	\$42,500	\$10,625	\$53,125	corridor VAT	2
Replace visual display boards	50	ea	2,500.00	\$125,000	\$31,250	\$156,250	chalk to marker	2
Replace toilet partitions & accessories	20	ea	2,500.00	\$50,000	\$12,500	\$62,500	metal to plastic	2
Replace lockers	1,500	ea	100.00	\$150,000	\$37,500	\$187,500	original	2
Replace gym lockers	500	ea	125.00	\$62,500	\$15,625	\$78,125		2
Replace gym equipment	8	ea	2,500.00	\$20,000	\$5,000	\$25,000	original backboards	2
Replace fixed seating - auditorium	500	ea	160.00	\$80,000	\$20,000	\$100,000	original	2
Replace elevator	1	ls	75,000.00	\$75,000	\$18,750	\$93,750	freight	2
Modify lobby to create secure entrance	2,000	sf	100.00	\$200,000	\$50,000	\$250,000		1
Renovate Media Center	1	ls	180,000.00	\$180,000	\$45,000	\$225,000	layout for Learn Lab	2
Renovate locker rooms	6,000	sf	75.00	\$450,000	\$112,500	\$562,500	layout, lockers, flooring	2
Renovate science labs	3	ea	125,000.00	\$375,000	\$93,750	\$468,750	casework, sinks, flooring	2

Architectural Work Subtotal:				\$1,830,000			\$2,287,500	
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MECHANICAL WORK

Plumbing

New small steam boiler for dishwasher	1	ea	25,000.00	\$25,000	\$6,250	\$31,250	(to eliminate need to run boilers)	2
Replace expansion joints on domestic HW pipe	6	ea	1,000.00	\$6,000	\$1,500	\$7,500		2

H.V.A.C.

Replace all condensate piping	1,500	LF	50.00	\$75,000	\$18,750	\$93,750		2
Replace indoor Air Handling Units	9	ea	30,000.00	\$270,000	\$67,500	\$337,500		2
Replace Locker Room Heating & Venting Unit	1	ea	30,000.00	\$30,000	\$7,500	\$37,500		2
Replace gym Heat & Vent unit	1	ea	40,000.00	\$40,000	\$10,000	\$50,000		2
Add AC to Tech Closet	2	ea	10,000.00	\$20,000	\$5,000	\$25,000	IDF (by 224) and IDF (by 321A)	2
Correct Welding shop Ventilation Problems	1	LS	10,000.00	\$10,000	\$2,500	\$12,500		2
Add heat for rooms 113 -118	1	LS	10,000.00	\$10,000	\$2,500	\$12,500	(pipe freeze problems)	2

Temperature Controls

Replace all pneumatic controls with Digital	295,752	SF	2.25	\$665,400	\$166,350	\$831,750		2
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Mechanical Work Subtotal:				\$1,151,400			\$1,439,250	
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ELECTRICAL WORK

Electrical-Power

Add electrical to support technology	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		2
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Lighting

Upgrade Gym Lighting	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		2
Upgrade Site Lighting	1	ls	250,000.00	\$250,000	\$62,500	\$312,500		2
Upgrade Exterior building mounted Lighting	1	ls	22,000.00	\$22,000	\$5,500	\$27,500		2
Add Exterior Emergency Egress Lighting	1	ls	12,000.00	\$12,000	\$3,000	\$15,000		2
Add Occupancy Sensors	1	ls	14,000.00	\$14,000	\$3,500	\$17,500		2
Football Field Lighting Control Upgrade	1	ls	8,000.00	\$8,000	\$2,000	\$10,000		2
Add power receptacles around track	1	ls	10,000.00	\$10,000	\$2,500	\$12,500		2
Upgrade Lighting in Field Locker/Toilets/Concessions	1	ls	6,000.00	\$6,000	\$1,500	\$7,500		2
Upgrade Gym/Exterior Lighting Controls	1	ls	5,000.00	\$5,000	\$1,250	\$6,250		2
Change CF lamped fixtures to LED	1	ls	4,000.00	\$4,000	\$1,000	\$5,000		2

Electrical Work Subtotal:				\$371,000			\$463,750	
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MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Midland High School
1301 Eastlawn, Midland, MI 48642
Building Project Work List

Date: 10/1/2014 site visit: 7/2/2014
Grades: 9 thru 12 enrollment: x
Year Built: 1955 (Music room & aux. gym in 2006)
Building Size: 295,752 capacity: x
Site Size: 39.000

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure

Remove Category 5 and/or supporting legacy cabling	1	allo	15,000.00	\$15,000	\$3,750	\$18,750		2
Fiber backbone to IDF's for 10G	8	ea	2,500.00	\$20,000	\$5,000	\$25,000		1
Replace voice/data structured cabling	1	allo	180.00	\$180	\$45	\$225		1
Additional voice/data structured cabling	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		1
Allowance for cabling to support series 2 needs	1	allo	10,000.00	\$10,000	\$2,500	\$12,500		2

Network / Wireless / Phone

Replace network infr. - building core	1	ea	28,500.00	\$28,500	\$7,125	\$35,625		2
Replace network infr. - edge switches	50	ea	4,200.00	\$210,000	\$52,500	\$262,500	Based on existing plus 1 per closet growth	2
Replace UPS in each telecommunication room	9	ea	3,000.00	\$27,000	\$6,750	\$33,750		2
Network infrastructure for Series 1 needs	1	ls	66,375.00	\$66,375	\$16,594	\$82,969		1
Replace wireless infrastructure	135	ea	950.00	\$128,250	\$32,063	\$160,313		2
Replace phone system	1	ls	45,000.00	\$45,000	\$11,250	\$56,250		2

Clock System

Replace clock system	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		2
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Security

Video surveillance	1	ls	65,000.00	\$65,000	\$16,250	\$81,250		1
Expand access control	1	ls	25,000.00	\$25,000	\$6,250	\$31,250		1
Install district-wide PA system	1	ls	55,000.00	\$55,000	\$13,750	\$68,750		2

Technology Infrastructure Subtotal:

\$735,305

\$919,131

Remodeling Subtotal:

\$4,087,705

SITE WORK

Site Infrastructure

Remove and replace fencing	1	allo	50,000.00	\$50,000	\$12,500	\$62,500	Remove guardrail and fence at East parkir	2
Improve site furnishings	1	allo	150,000.00	\$150,000	\$37,500	\$187,500	bike racks, flag pole, fencing	2
Improve site grading / landscaping	1	allo	100,000.00	\$100,000	\$25,000	\$125,000	Remove NW corner of East P.L. (580 SY),	2

Site Paving

Replace site concrete	1	allo	25,000.00	\$25,000	\$6,250	\$31,250	4100 sf of concrete walk	2
Replace site concrete (deep strength)	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	700 sf concrete service area	2
Repave parking and drives	266	ksf	2,500.00	\$665,000	\$166,250	\$831,250	Remove/Replace paving in East and SW f	2
Improve traffic control issues	1	allo	30,000.00	\$30,000	\$7,500	\$37,500	Traffic issues at Parent Drop Off area	2

Playfields (playground/athletics)

Resurface track	1	allo	75,000.00	\$75,000	\$18,750	\$93,750		2
Improve playground / playfield area	1	ls	545,000.00	\$545,000	\$136,250	\$681,250	athletic support building, press box, bleac	2
Replace football field turf	1	allo	900,000.00	\$900,000	\$225,000	\$1,125,000	synthetic turf	2
Resurface tennis courts	1	allo	250,000.00	\$250,000	\$62,500	\$312,500	8 courts, remove and replace nets and pos	2

Site Work Subtotal:

\$2,805,000

\$3,506,250

INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices

Replace teacher/staff laptops	117	ea	1,000.00	\$117,000	\$29,250	\$146,250		1
Mobile devices for teachers/staff	117	ea	650.00	\$76,050	\$19,013	\$95,063		1
Replace student / lab desktops	320	ea	1,000.00	\$320,000	\$80,000	\$400,000		1
Replace lab workstations (CAD, arts, video production)	77	ea	1,800.00	\$138,600	\$34,650	\$173,250		1
Replace student laptop carts	4	ea	34,500.00	\$138,000	\$34,500	\$172,500	Replace laptops only, reuse existing cart	1
Mobile devices for students (does not include cart)	1,538	ea	650.00	\$999,700	\$249,925	\$1,249,625	Based on 2013 enrollment +5%	1
Technology equipment - Series 2	1	ls	713,600.00	\$713,600	\$71,360	\$784,960	Refresh of computers	2
Technology equipment - Series 3	1	ls	651,950.00	\$651,950	\$65,195	\$717,145	2x Refresh of mobile devices (1 at beginni	3

Classroom Technologies

Install classroom/lab projectors	107	ea	1,800.00	\$192,600	\$48,150	\$240,750		2
Install sound field amplification	107	ea	1,250.00	\$133,750	\$33,438	\$167,188		2
Document camera	20	ea	550.00	\$11,000	\$2,750	\$13,750		1

Technology Equipment subtotal:

\$3,492,250

\$4,160,480

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Midland High School
1301 Eastlawn, Midland, MI 48642
Building Project Work List

Date: 10/1/2014 site visit: 7/2/2014
Grades: 9 thru 12 enrollment: x
Year Built: 1955 (Music room & aux. gym in 2006)
Building Size: 295,752 capacity: x
Site Size: 39.000

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS

Replace BW printers	11	ea	600.00	\$6,600	\$1,650	\$8,250			1
Replace color printers	6	ls	1,350.00	\$8,100	\$2,025	\$10,125			1
Replace BW MFP printers	8	ea	7,500.00	\$60,000	\$15,000	\$75,000			1
Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500			1
Replace Point of Sale (POS) equipment / Food Service	6	ea	1,000.00	\$6,000	\$1,500	\$7,500			1

Technology - Audiovisual

Media center audiovisual	1	ls	15,000.00	\$15,000	\$3,750	\$18,750			2
Audiovisual for collaboration spaces (small group)	2	ea	10,000.00	\$20,000	\$5,000	\$25,000			2
Audiovisual for collaboration spaces (whole class)	2	ea	35,000.00	\$70,000	\$17,500	\$87,500			2
Audiovisual for online learning space	2	ls	5,000.00	\$10,000	\$2,500	\$12,500			2
Conference room / IEP displays	4	ls	2,500.00	\$10,000	\$2,500	\$12,500			2
Install projector in auditorium	1	ea	50,000.00	\$50,000	\$12,500	\$62,500			2
Recording capabilities in band and orchestra classrooms	2	ea	10,000.00	\$20,000	\$5,000	\$25,000			2
Replace gym sound system	1	ea	15,000.00	\$15,000	\$3,750	\$18,750			2
Enhance gym sound system	1	ea	2,000.00	\$2,000	\$500	\$2,500			2
Digital Signage	4	ea	2,800.00	\$11,200	\$2,800	\$14,000			2

Furniture & Furnishings

Replacement furniture & furnishings	295,752	ea	1.75	\$517,600	\$62,112	\$579,712	classroom desks and chairs		2
Replacement equipment	1	allo	50,000.00	\$50,000	\$6,000	\$56,000	athletics		2

F, F, & E Subtotal:	\$881,500	\$1,028,087
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TOTAL DIRECT COSTS:	\$11,266,455	\$13,804,448
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Project Contingency:	\$1,126,646
General Conditions:	\$198,018
CM Fee / Reimbursables:	\$606,665
A/E Fee / Reimbursables:	\$606,665

TOTAL PROJECT COSTS:	\$13,804,448
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\$13,804,448 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees

Building Utilization

Project No.	13
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Name of School Building
Midland High School

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School	68	X	21.25	=	1,445
Sub Totals	68				1,445

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Total Teaching Stations	68	Total Capacity	1,445
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Current Gr. Structure	9-12	Projected 5-Year Enrollment	1,172
Proposed Gr. Structure	9-12		

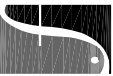
Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	81%
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- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Total Teaching Stations	0				

Square Footage for Closed Facility		Total Capacity	0
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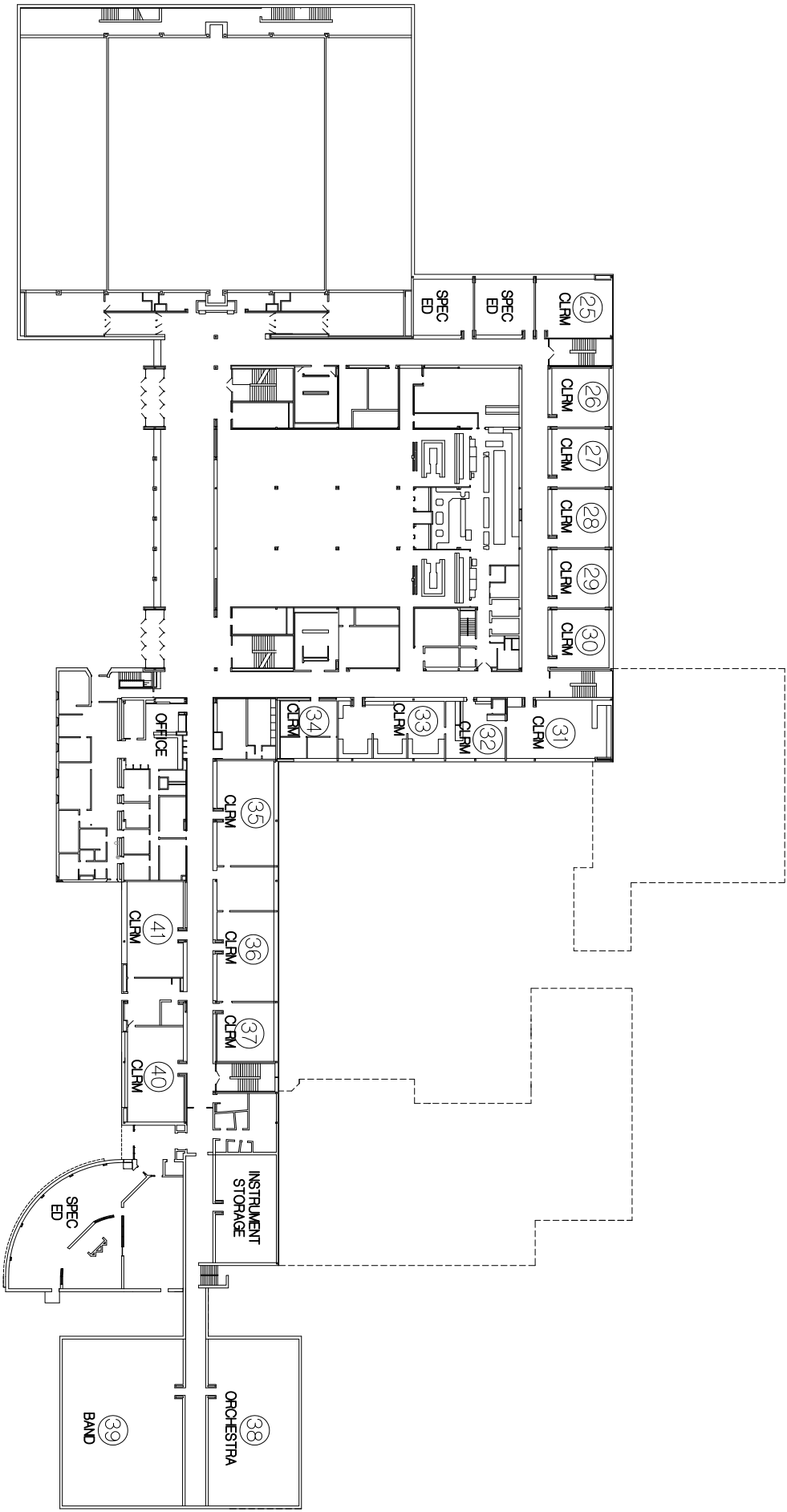
Please transfer applicable information to the Utilization Summary on Page 7 of the application.

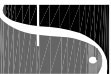
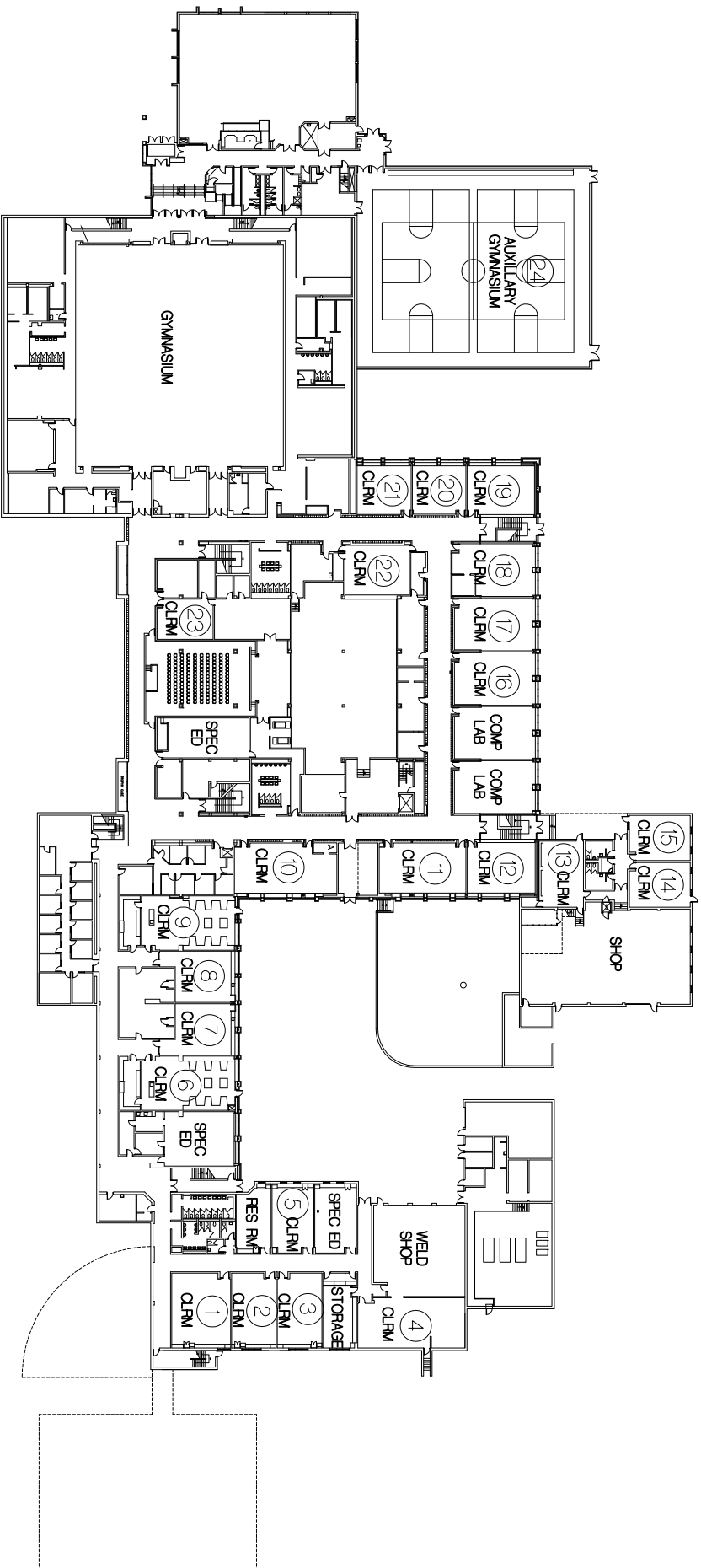


architect d'interior interiors

FRENCH
associates

MIDLAND PUBLIC SCHOOLS
Midland High School - first floor
composite plan
october, 2014





architect/planner/interior

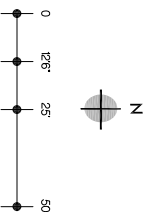
FRENCH
associates

MIDLAND PUBLIC SCHOOLS

Midland High School - ground floor

composite plan

october, 2014



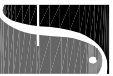
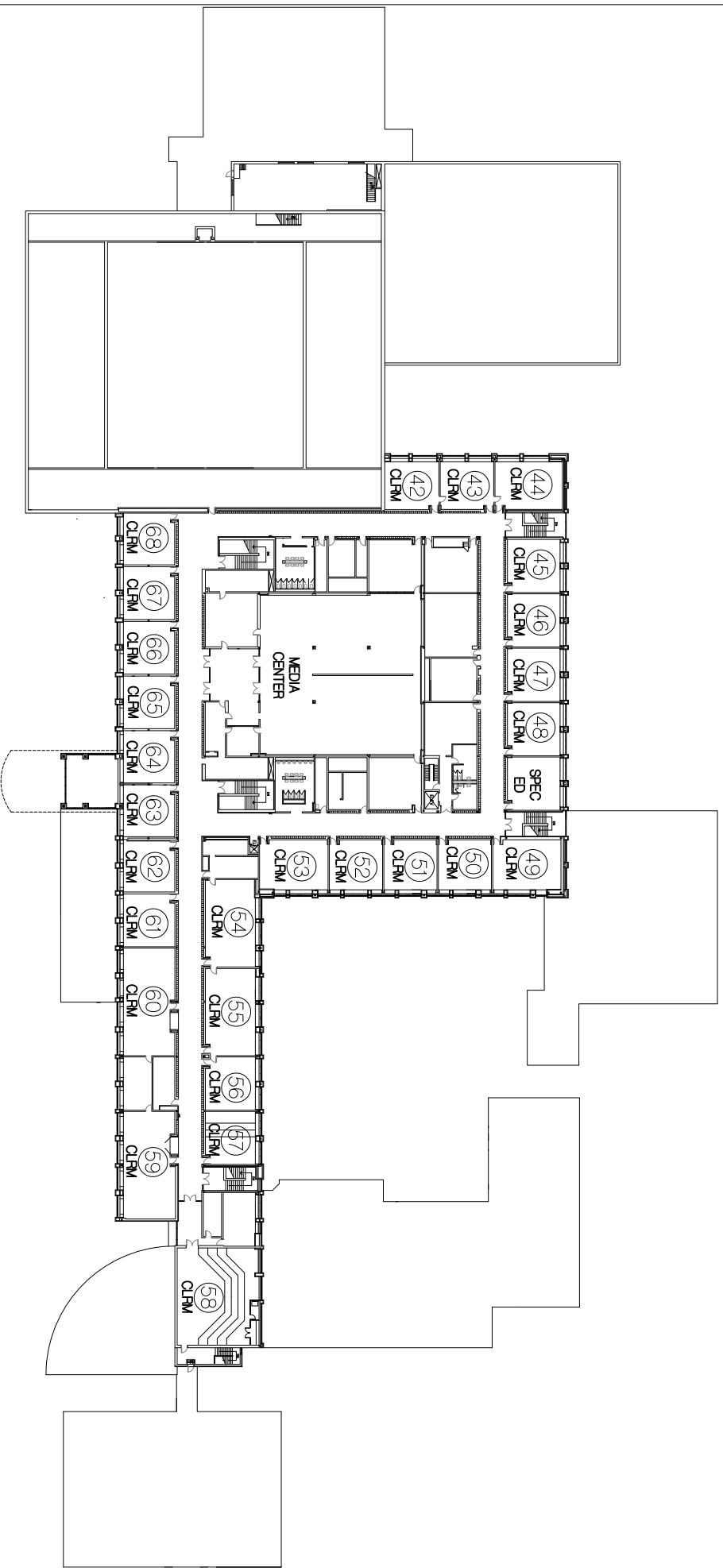
STUDENT CAPACITY

24 CR x 2125 STUD. - 510 GRD FLR
17 CR x 2125 STUD. - 36125 1ST FLR
27 CR x 2125 STUD. - 573.75 2ND FLR

TOTAL - 1445

LEGEND

EXISTING RENOVATE
286,752 SQ. FT. TOTAL
ADDITION
0 SQ. FT.



architects | planners | interiors

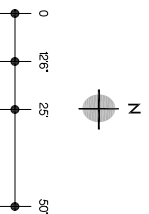
FRENCH
associates

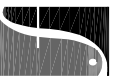
MIDLAND PUBLIC SCHOOLS

Midland High School - second floor

composite plan

october, 2014





architect/planner/interior

FRENCH
associates

MIDLAND PUBLIC SCHOOLS

Midland High School

composite site plan

october, 2014



Facility Condition Assessment

Project Number

13
Midland High School

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Recommend replacing HVAC system.

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Recommend adding secure entry.

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.	X		
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.	X		
3.	Water drains quickly from sinks.	X		
4.	Floor area near toilets and sinks is dry.	X		

Overall assessment or comments:

Recommend replacing original single pane windows.

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.	X		
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Recommend adding electrical outlets to classrooms if additional technology is added

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome
French Asso 33304

Signature

Printed Name

Firm Name and License Number

10/1/2014
dalej@frenchaia.com
248-656-7746
248-656-1377

Date

E-mail Address

Fax Number

Area Code and Telephone Number

Project Sheet

Project No.	14
Name of School Building:	Administration Building

Description of Series 1 Project: technology infrastructure & equipment	Instructional Technology Description n/a
Description of Series 2 Project: building renovations, mechanical upgrades, electrical upgrades, technology infrastructure & equipment, site improvements and furniture	
Description of Series 3 Project: technology equipment	Site Work Description site furnishings

Type of Project:

New Building → New Construction Square Ft _____ Cost per Sq Ft _____
 Additions(s) → New Addition Square Ft. _____ Cost per Sq Ft _____
☒ Remodeling
☒ Technology and/or Buses
☒ Site Work
 Facility Closing Demolish Retain for future use Convert to non-instructional
 Sell or lease Undetermined

Statement describing any existing environmental or usability problems the proposed project will address.
(ex: asbestos, energy use, or ADA requirements)

n/a

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$0	\$0	\$0	\$0
Remodeling	\$2,385,130	\$567,250	\$1,817,880	\$0
Construction Contingencies	\$280,684	\$78,488	\$196,757	\$5,439
Instructional Technology	\$0	\$0	\$0	\$0
Loose Furnishing/Equipment	\$399,713	\$217,630	\$127,692	\$54,391
Buses	\$0	\$0	\$0	\$0
Site Work	\$22,000	\$0	\$22,000	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$170,609	\$51,017	\$119,592	\$0
CM Fees and Costs	\$223,705	\$66,715	\$156,990	\$0
Estimated Costs	\$3,481,841	\$981,099	\$2,440,911	\$59,830

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Dale Jerome	French Associates	33304
Signature	Printed Name	Firm Name and License Number
10/1/2014	dalej@frenchia.com	248-656-1377
Date	E-mail Address	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Midland Schools - Administration Office
600 E. Carpenter St., Midland MI, 48640
Building Project Work List

Date: 10/1/2014 site visit: 7/8/2014
Grades: N/A enrollment: N/A
Year Built: unknown
Building Size: 27,558 capacity: N/A
Site Size: x

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

ARCHITECTURAL WORK

Interior Construction

Renovations for Head End relocation	12,000	sf	25.00	\$300,000	\$75,000	\$375,000	for data center	2
Architectural Work Subtotal:				\$300,000			\$375,000	

MECHANICAL WORK

H.V.A.C.

Replace Boiler/pumps	2	ea	100,000.00	\$200,000	\$50,000	\$250,000		2
Replace indoor Air Handling Units	2	ea	30,000.00	\$60,000	\$15,000	\$75,000		2
Replace 20 ton Condensing Units	2	ea	20,000.00	\$40,000	\$10,000	\$50,000		2
Add AC to Tech Closet	1	ea	30,000.00	\$30,000	\$7,500	\$37,500	For relocated data center	2
Replace Steam Humidifiers	2	ea	8,000.00	\$16,000	\$4,000	\$20,000		2
Replace Electric Cabinet Unit Heaters	4	ea	5,000.00	\$20,000	\$5,000	\$25,000	new Hot Water CUH	2
Replace dual duct boxes w/VAV	36	ea	4,000.00	\$144,000	\$36,000	\$180,000		2
Replace Exhaust Fans	3	ea	4,000.00	\$12,000	\$3,000	\$15,000		2

Temperature Controls

Replace all pneumatic controls with Digital	10,000	SF	2.25	\$22,500	\$5,625	\$28,125		2
Mechanical Work Subtotal:				\$544,500			\$680,625	

ELECTRICAL WORK

Electrical-Power

Add emergency generator	1	ls	88,000.00	\$88,000	\$22,000	\$110,000	for data center	2
Add electrical to support technology	1	allo	15,000.00	\$15,000	\$3,750	\$18,750	Includes electrical related to moving data c	2

Lighting

Upgrade Site Lighting	1	ls	84,000.00	\$84,000	\$21,000	\$105,000		2
Upgrade Exterior building mounted Lighting	1	ls	15,000.00	\$15,000	\$3,750	\$18,750		2
Add Exterior Emergency Egress Lighting	1	ls	2,500.00	\$2,500	\$625	\$3,125		2
Add Occupancy Sensors	1	ls	7,000.00	\$7,000	\$1,750	\$8,750		2
Upgrade Lighting Throughout Building	27,558	sf	6.00	\$165,300	\$41,325	\$206,625		2
Relocate MDF Room	1	ls	10,000.00	\$10,000	\$2,500	\$12,500		2
Replace Bus Block Heater System	1	ls	30,000.00	\$30,000	\$7,500	\$37,500		2

Electrical Work Subtotal: \$416,800 \$521,000

TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure

Remove Category 5 and/or supporting legacy cabling	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
Replace telecommunication rooms / relocate data center	1	ea	15,000.00	\$15,000	\$3,750	\$18,750	Relocate data center	2
Replace voice/data structured cabling	254	ea	180.00	\$45,630	\$11,408	\$57,038		2
Allowance for cabling to support series 1 needs	1	allo	2,000.00	\$2,000	\$500	\$2,500		1

Network / Wireless / Phone

Replace network infr. - building/district core	1	ea	100,000.00	\$100,000	\$25,000	\$125,000		2
Replace network infr. - edge switches	10	ea	4,200.00	\$42,000	\$10,500	\$52,500	Based on existing plus 1 per closet growth	2
Replace UPS in each telecommunication room	3	ea	3,000.00	\$9,000	\$2,250	\$11,250		2
Network infrastructure for Series 1 needs	1	ls	37,750.00	\$37,750	\$9,438	\$47,188		1
Replace wireless infrastructure	21	ea	950.00	\$19,950	\$4,988	\$24,938	Includes 2 for Juvenile Center	2
Replace phone system	1	ls	150,000.00	\$150,000	\$37,500	\$187,500		2
Replace district servers	1	ls	350,000.00	\$350,000	\$87,500	\$437,500		1
Refresh/expand servers/management tools series 2	1	allo	175,000.00	\$175,000	\$43,750	\$218,750		2

Clock System

Replace clock system	1	ls	15,000.00	\$15,000	\$3,750	\$18,750		1
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Security

Video surveillance	1	ls	85,000.00	\$85,000	\$21,250	\$106,250	Includes central servers	1
Expand access control	1	ls	9,500.00	\$9,500	\$2,375	\$11,875		1
Add intrusion detection	1	ls	8,000.00	\$8,000	\$2,000	\$10,960	Not in bond scope	1
Install district-wide PA system	1	ls	55,000.00	\$55,000	\$13,750	\$68,750		1

Technology Infrastructure Subtotal: \$1,123,830 \$1,405,748

Remodeling Subtotal: \$2,385,130

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Midland Schools - Administration Office
600 E. Carpenter St., Midland MI, 48640
Building Project Work List

Date: 10/1/2014 site visit: 7/8/2014
Grades: N/A enrollment: N/A
Year Built: unknown
Building Size: 27,558 capacity: N/A
Site Size: x

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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SITE WORK

Site Infrastructure

Replace hand rails on stairs	1	allo	10,000.00	\$10,000	\$2,500	\$12,500			2
Replace fencing	1	allo	12,000.00	\$12,000	\$3,000	\$15,000			2

Site Work Subtotal:	\$22,000	\$27,500
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NON-INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices

Replace teacher/staff laptops	60	ea	1,000.00	\$60,000	\$15,000	\$75,000	Estimate. Includes Juvenile staff		1
Mobile devices for teachers/staff	60	ea	650.00	\$38,880	\$9,720	\$48,599			1
Technology equipment - Series 2	1	ls	97,692.00	\$97,692	\$9,769	\$107,461			2
Technology equipment - Series 3	1	ls	54,391.00	\$54,391	\$5,439	\$59,830			3

Technology Equipment subtotal:	\$250,963	\$290,891
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FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS

Replace BW printers	4	ea	600.00	\$2,400	\$600	\$3,000	Includes Juvenile & Post-Secondary Progr		1
Replace color printers	1	ls	1,350.00	\$1,350	\$338	\$1,688	Includes Juvenile & Post-Secondary Progr		1
Replace BW MFP printers	7	ea	7,500.00	\$52,500	\$13,125	\$65,625	Includes Juvenile & Post-Secondary Progr		1
Replace color MFP printers	1	ea	10,000.00	\$10,000	\$2,500	\$12,500			1

Technology - Audiovisual

Conference room / IEP displays	7	ls	2,500.00	\$17,500	\$4,375	\$21,875			1
Digital Signage	1	ls	35,000.00	\$35,000	\$8,750	\$43,750	Includes central servers		1

Furniture & Furnishings

Replacement furniture & furnishings	1	allo	25,000.00	\$25,000	\$3,000	\$28,000	office desks and chairs		2
Replacement equipment	1	allo	5,000.00	\$5,000	\$600	\$5,600	custodial		2

F, F, & E Subtotal:	\$148,750	\$182,038
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TOTAL DIRECT COSTS:	\$2,806,843	\$3,482,801
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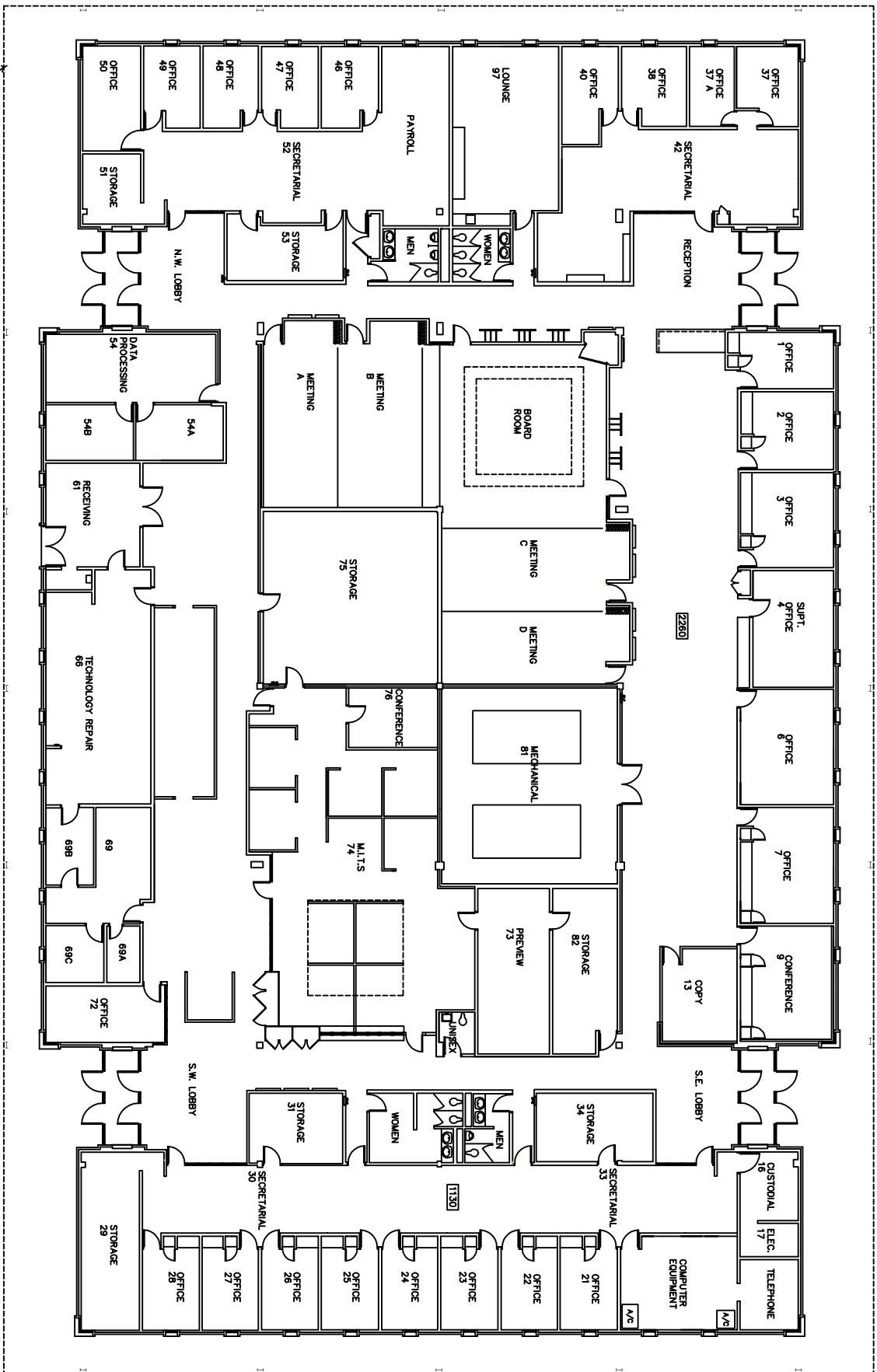
Project Contingency: \$280,684
General Conditions: \$53,095
CM Fee / Reimbursables: \$170,609
A/E Fee / Reimbursables: \$170,609

TOTAL PROJECT COSTS:	\$3,481,841
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\$3,481,841 check #

Notes:

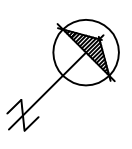
Indirect costs include; contingency, general conditions & professional fees



ROOF OVERHANG
TYPICAL

FLOOR PLAN

SCALE 1/8" = 1'-0"



SF = 27556
TUNNELS = 50

ADMINISTRATION CENTER
FLOOR PLAN-600 E. CARPENTER

MIDLAND PUBLIC SCHOOLS

600 E. CARPENTER ST. MIDLAND M. 48640 989-923-6001

A1

DATE 1/25/08
BY [signature]

Facility Condition Assessment

Project Number

14

Administration Building

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Recommend replacing HVAC system.

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.			X
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.	X		
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.	X		
3.	Water drains quickly from sinks.	X		
4.	Floor area near toilets and sinks is dry.	X		

Overall assessment or comments:

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.	X		
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome

French Associates 33304

Signature

Printed Name

Firm Name and License Number

10/1/2014

dalej@frenchaia.com

248-656-7746

248-656-1377

Date

E-mail Address

Fax Number

Area Code and Telephone Number

Project Sheet

Project No.	15
Name of School Building:	Transportation & Maintenance

Description of Series 1 Project: electrical upgrades, technology infrastructure & equipment, replacement buses	n/a
Description of Series 2 Project: building renovations, mechanical upgrades, electrical upgrades, technology infrastructure & equipment, site improvements and replacement buses	
Description of Series 3 Project: technology equipment, replacement buses	Site Work Description site paving

Type of Project:

New Building → New Construction Square Ft _____ Cost per Sq Ft _____
 Additions(s) → New Addition Square Ft. _____ Cost per Sq Ft _____
☒ Remodeling
☒ Technology and/or Buses
☒ Site Work
 Facility Closing Demolish Retain for future use Convert to non-instructional
 Sell or lease Undetermined

Statement describing any existing environmental or usability problems the proposed project will address.
 (ex: asbestos, energy use, or ADA requirements)

n/a

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$0	\$0	\$0	\$0
Remodeling	\$358,400	\$39,600	\$318,800	\$0
Construction Contingencies	\$550,095	\$167,735	\$134,370	\$247,990
Instructional Technology	\$0	\$0	\$0	\$0
Loose Furnishing/Equipment	\$42,550	\$22,750	\$9,900	\$9,900
Buses	\$5,075,000	\$1,615,000	\$990,000	\$2,470,000
Site Work	\$25,000	\$0	\$25,000	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$26,400	\$4,053	\$22,347	\$0
CM Fees and Costs	\$136,023	\$37,600	\$49,023	\$49,400
Estimated Costs	\$6,213,468	\$1,886,738	\$1,549,440	\$2,777,290

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Signature	Dale Jerome	French Associates	33304
10/1/2014	Printed Name	Firm Name and License Number	
Date	dalej@frenchia.com	248-656-7746	248-656-1377
	E-mail Address	Fax Number	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Transportation & Maintenance Building
410 E. Hines St., Midland, MI
Building Project Work List

Date: 10/1/2014 site visit: 7/8/2014
Grades: N/A enrollment: N/A
Year Built: unknown
Building Size: 34,440 capacity: N/A
Site Size: x

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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ARCHITECTURAL WORK

Building Envelope

Replace roof system - partial	10,000	sf	9.00	\$90,000	\$22,500	\$112,500	warehouse area	2
Architectural Work Subtotal:				\$90,000		\$112,500		

MECHANICAL WORK

H.V.A.C.

Replace Boiler/pumps	1	ea	100,000.00	\$100,000	\$25,000	\$125,000		2
Replace Office Heating & Venting Units	1	ea	20,000.00	\$20,000	\$5,000	\$25,000	new 5 Ton RTU	2
Replace Unit Heaters (gas fired)	5	ea	5,000.00	\$25,000	\$6,250	\$31,250		2
Mechanical Work Subtotal:				\$145,000		\$181,250		

ELECTRICAL WORK

Electrical-Power

Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250		1
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Lighting

Upgrade Exterior building mounted Lighting	1	ls	5,600.00	\$5,600	\$1,400	\$7,000		2
Add Exterior Emergency Egress Lighting	1	ls	4,800.00	\$4,800	\$1,200	\$6,000		2
Add Occupancy Sensors	1	ls	4,000.00	\$4,000	\$1,000	\$5,000		2
Upgrade Existing T12 Lighting	1	ls	40,000.00	\$40,000	\$10,000	\$50,000		2
Electrical Work Subtotal:				\$59,400		\$74,250		

TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure

Remove Category 5 and/or supporting legacy cabling	1	allo	1,000.00	\$1,000	\$250	\$1,250		1
Additional voice/data structured cabling	1	allo	1,500.00	\$1,500	\$375	\$1,875		1
Allowance for cabling to support series 2 needs	1	allo	1,500.00	\$1,500	\$375	\$1,875		2

Network / Wireless / Phone

Replace network infr. - building core	1	ea	10,000.00	\$10,000	\$2,500	\$12,500		2
Replace network infr. - edge switches	2	ea	4,200.00	\$8,400	\$2,100	\$10,500	Based on existing plus 1 per closet growth	2
Replace UPS in each telecommunication room	1	ea	2,000.00	\$2,000	\$500	\$2,500		2
Network infrastructure for Series 1 needs	1	ls	5,100.00	\$5,100	\$1,275	\$6,375		1
Replace phone system	1	ls	7,500.00	\$7,500	\$1,875	\$9,375		2

Security

Video surveillance	1	ls	12,000.00	\$12,000	\$3,000	\$15,000		1
Expand access control	1	ls	5,000.00	\$5,000	\$1,250	\$6,250		1
Install district-wide PA system	1	ls	10,000.00	\$10,000	\$2,500	\$12,500		1

Technology Infrastructure Subtotal: \$64,000 \$80,000

Remodeling Subtotal: \$358,400

SITE WORK

Site Paving

Repave parking and drives	10	ksf	2,500.00	\$25,000	\$6,250	\$31,250		2
Site Work Subtotal:				\$25,000		\$31,250		

NON-INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices

Replace teacher/staff laptops	6	ea	1,000.00	\$6,000	\$1,500	\$7,500		1
Mobile devices for teachers/staff	6	ea	650.00	\$3,900	\$975	\$4,875		1
Technology equipment - Series 2	1	ls	9,900.00	\$9,900	\$990	\$10,890		2
Technology equipment - Series 3	1	ls	9,900.00	\$9,900	\$990	\$10,890		3

Technology Equipment subtotal: \$29,700 \$34,155

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Transportation & Maintenance Building
 410 E. Hines St., Midland, MI
Building Project Work List

Date: 10/1/2014 site visit: 7/8/2014
 Grades: N/A enrollment: N/A
 Year Built: unknown
 Building Size: 34,440 capacity: N/A
 Site Size: x

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS

Replace BW printers	2	ea	600.00	\$1,200	\$300	\$1,500		1
Replace color printers	1	ls	1,350.00	\$1,350	\$338	\$1,688		1
Replace BW MFP printers	1	ea	7,500.00	\$7,500	\$1,875	\$9,375		1

Technology - Audiovisual

Digital Signage	1	ea	2,800.00	\$2,800	\$700	\$3,500		1
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Furniture & Furnishings

Bus Replacement - Series 1	19	ea	85,000.00	\$1,615,000	\$193,800	\$1,808,800		1
Bus Replacement - Series 2	11	ea	90,000.00	\$990,000	\$118,800	\$1,108,800		2
Bus Replacement - Series 3	26	sf	95,000.00	\$2,470,000	\$296,400	\$2,766,400		3

F, F, & E Subtotal:	\$5,087,850	\$5,700,063
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TOTAL DIRECT COSTS:	\$5,500,950	\$6,213,468
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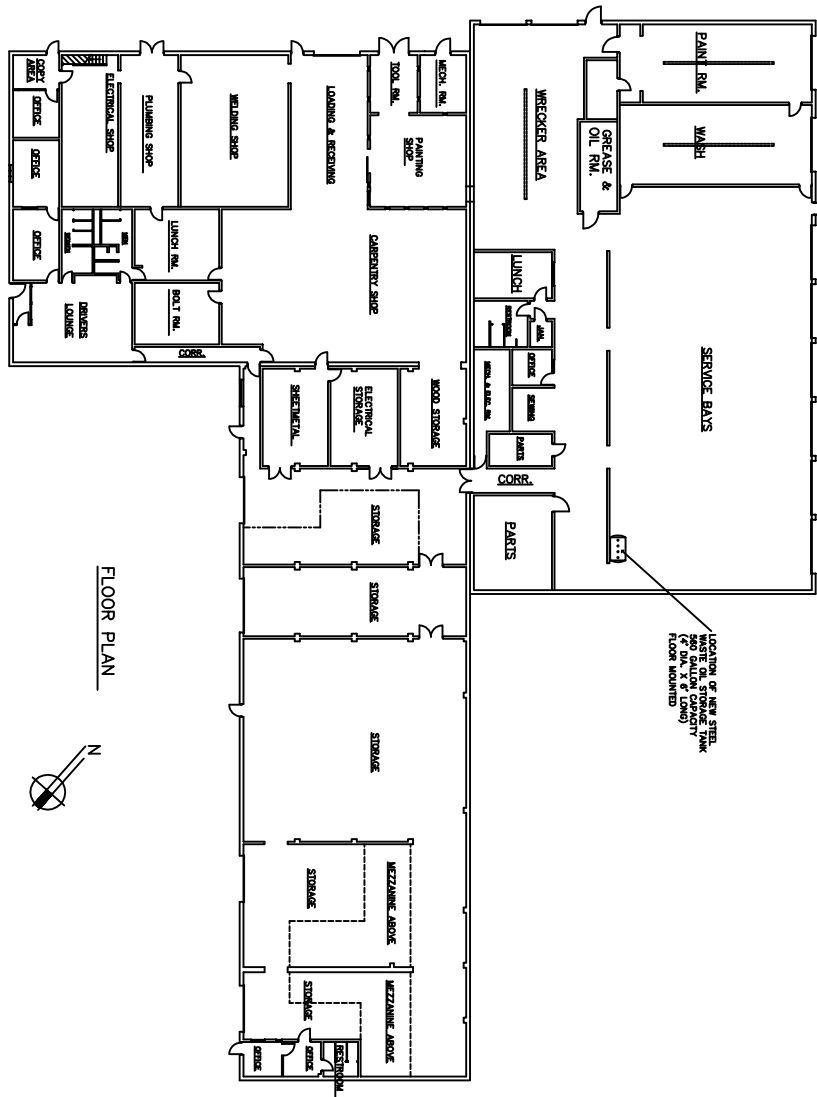
Project Contingency: \$550,095
 General Conditions: \$109,623
 CM Fee / Reimbursables: \$26,400
 A/E Fee / Reimbursables: \$26,400

TOTAL PROJECT COSTS:	\$6,213,468
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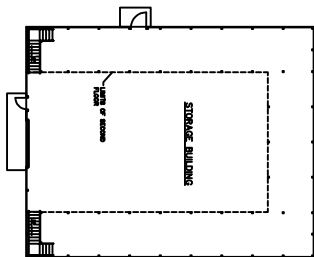
\$6,213,468 check #

Notes:

Indirect costs include; contingency, general conditions & professional fees



FLOOR PLAN



BUS GARAGE SF = 13440
 WAREHOUSE, MAINT., TRANS.
 OFFICE SF = 21000
 COLD STORAGE SF = 4500

Facility Condition Assessment

Project Number

15
Transpo & Maint

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Recommend replacing HVAC system.

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.		X	
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Recommend replacing warehouse section of roof

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.	X		
3.	Water drains quickly from sinks.	X		
4.	Floor area near toilets and sinks is dry.	X		

Overall assessment or comments:

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.	X		
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome
French Associates 33304

Signature

Printed Name

Firm Name and License Number

10/1/2014
dalej@frenchaia.com
248-656-7746
248-656-1377

Date

E-mail Address

Fax Number

Area Code and Telephone Number

Project Sheet

Project No.	16
Name of School Building:	Grounds Building

Description of Series 1 Project: electrical upgrades, technology infrastructure & equipment, and ground equipment	n/a
Description of Series 2 Project: mechanical upgrades, electrical upgrades, technology infrastructure & equipment, site improvements	
Description of Series 3 Project: technology equipment	Site Work Description site paving

Type of Project:

New Building	→ New Construction Square Ft	_____	Cost per Sq Ft	_____
Additions(s)	→ New Addition Square Ft.	_____	Cost per Sq Ft	_____
☒ Remodeling				
☒ Technology and/or Buses				
☒ Site Work				
Facility Closing	Demolish	Retain for future use	Convert to non-instructional	
	Sell or lease	Undetermined		

Statement describing any existing environmental or usability problems the proposed project will address.
 (ex: asbestos, energy use, or ADA requirements)

n/a

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$0	\$0	\$0	\$0
Remodeling	\$104,950	\$26,550	\$78,400	\$0
Construction Contingencies	\$19,630	\$7,310	\$11,330	\$990
Instructional Technology	\$0	\$0	\$0	\$0
Loose Furnishing/Equipment	\$66,350	\$46,550	\$9,900	\$9,900
Buses	\$0	\$0	\$0	\$0
Site Work	\$25,000	\$0	\$25,000	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$9,848	\$3,127	\$6,721	\$0
CM Fees and Costs	\$13,378	\$4,589	\$8,789	\$0
Estimated Costs	\$239,155	\$88,125	\$140,140	\$10,890

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Signature	Dale Jerome	French Associates	33304
10/1/2014	Printed Name	Firm Name and License Number	
Date	dalej@frenchia.com	248-656-7746	248-656-1377
	E-mail Address	Fax Number	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Grounds Building
417 E. Hines St., Midland, MI
Building Project Work List

Date: 10/1/2014 site visit: 7/8/2014
Grades: N/A enrollment: N/A
Year Built: unknown
Building Size: 7,700 capacity: N/A
Site Size: x

Category	Description	Qty	Unit	Unit Cost	Direct Cost	Indirect Costs	Total Estimate	Notes / Subtotals	Series
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MECHANICAL WORK

H.V.A.C.

Replace Unit Heaters (gas fired)	4	ea	5,000.00	\$20,000	\$5,000	\$25,000			2
Replace Radiant Heaters (gas)	2	ea	5,000.00	\$10,000	\$2,500	\$12,500			2

Mechanical Work Subtotal: \$30,000 \$37,500

ELECTRICAL WORK

Electrical-Power

Add electrical to support technology	1	allo	5,000.00	\$5,000	\$1,250	\$6,250			1
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Lighting

Upgrade Exterior building mounted Lighting	1	ls	2,800.00	\$2,800	\$700	\$3,500			2
Add Exterior Emergency Egress Lighting	1	ls	2,400.00	\$2,400	\$600	\$3,000			2
Add Occupancy Sensors	1	LS	2,000.00	\$2,000	\$500	\$2,500			2
Upgrade Existing T12 Lighting	1	ls	20,000.00	\$20,000	\$5,000	\$25,000			2

Electrical Work Subtotal: \$32,200 \$40,250

TECHNOLOGY INFRASTRUCTURE

Cabling Infrastructure

Remove Category 5 and/or supporting legacy cabling	1	allo	1,000.00	\$1,000	\$250	\$1,250			1
Additional voice/data structured cabling	1	allo	1,500.00	\$1,500	\$375	\$1,875			1
Allowance for cabling to support series 2 needs	1	allo	1,500.00	\$1,500	\$375	\$1,875			2

Network / Wireless / Phone

Replace network infr. - building core	1	ea	10,000.00	\$10,000	\$2,500	\$12,500			2
Replace network infr. - edge switches	1	ea	4,200.00	\$4,200	\$1,050	\$5,250			2
Replace UPS in each telecommunication room	1	ea	2,000.00	\$2,000	\$500	\$2,500			2
Network infrastructure for Series 1 needs	1	ls	4,050.00	\$4,050	\$1,013	\$5,063			1
Replace phone system	1	ls	3,500.00	\$3,500	\$875	\$4,375			2

Security

Video surveillance	1	ls	2,500.00	\$2,500	\$625	\$3,125			1
Expand access control	1	ls	2,500.00	\$2,500	\$625	\$3,125			1
Install district-wide PA system	1	ls	10,000.00	\$10,000	\$2,500	\$12,500			1

Technology Infrastructure Subtotal: \$42,750 \$53,438

Remodeling Subtotal: \$104,950

SITE WORK

Site Paving

Repave parking and drives	10	ksf	2,500.00	\$25,000	\$6,250	\$31,250			2
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Site Work Subtotal: \$25,000 \$31,250

NON-INSTRUCTIONAL TECHNOLOGY EQUIPMENT

Computers and Mobile Devices

Replace teacher/staff laptops	6	ea	1,000.00	\$6,000	\$1,500	\$7,500			1
Mobile devices for teachers/staff	6	ea	650.00	\$3,900	\$975	\$4,875			1
Technology equipment - Series 2	1	ls	9,900.00	\$9,900	\$990	\$10,890			2
Technology equipment - Series 3	1	ls	9,900.00	\$9,900	\$990	\$10,890			3

Technology Equipment subtotal: \$29,700 \$34,155

MIDLAND PUBLIC SCHOOLS
District Wide Facility Assessment
Grounds Building
 417 E. Hines St., Midland, MI
Building Project Work List

Date: 10/1/2014 site visit: 7/8/2014
 Grades: N/A enrollment: N/A
 Year Built: unknown
 Building Size: 7,700 capacity: N/A
 Site Size: x

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

FURNITURE, FURNISHINGS, EQUIPMENT

Technology - Copiers/Printers/POS

Replace color printers	1	ls	1,350.00	\$1,350	\$338	\$1,688		1
Replace BW MFP printers	1	ea	7,500.00	\$7,500	\$1,875	\$9,375		1

Technology - Audiovisual

Digital Signage	1	ea	2,800.00	\$2,800	\$700	\$3,500		1
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Furniture & Furnishings

Replacement equipment	1	allo	25,000.00	\$25,000	\$3,000	\$28,000	grounds, fork lift	1
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F, F, & E Subtotal:				\$36,650		\$42,563		
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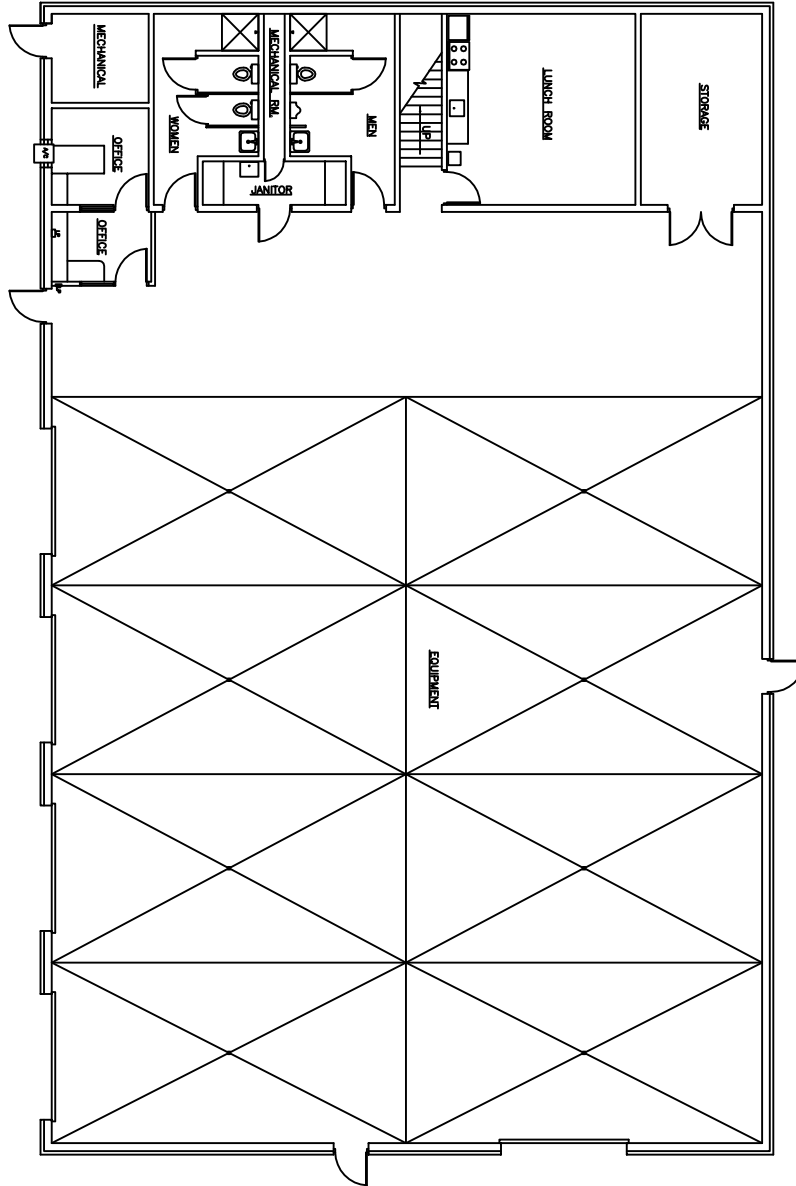
TOTAL DIRECT COSTS:	\$196,300	\$239,155
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Project Contingency: \$19,630
 General Conditions: \$3,530
 CM Fee / Reimbursables: \$9,848
 A/E Fee / Reimbursables: \$9,848

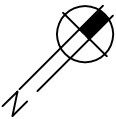
TOTAL PROJECT COSTS:	\$239,155	\$239,155 check #
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Notes:

Indirect costs include; contingency, general conditions & professional fees



FLOOR PLAN



SF = 7700

Facility Condition Assessment

Project Number

16**Grounds**

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Recommend replacing HVAC system.

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.	X		
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.	X		
3.	Water drains quickly from sinks.	X		
4.	Floor area near toilets and sinks is dry.	X		

Overall assessment or comments:

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.	X		
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome**French Associates 33304**

Signature

Printed Name

Firm Name and License Number

10/1/2014dalej@frenchaia.com**248-656-7746****248-656-1377**

Date

E-mail Address

Fax Number

Area Code and Telephone Number

Project Sheet

Project No.	17
Name of School Building:	Cook Elementary School

Description of Series 1 Project: n/a	Instructional Technology Description n/a
Description of Series 2 Project: demolish building and restore site	
Description of Series 3 Project: n/a	Site Work Description Demolish building and restore site

Type of Project:

New Building → New Construction Square Ft _____ Cost per Sq Ft _____
 Additions(s) → New Addition Square Ft. _____ Cost per Sq Ft _____
 Remodeling _____
 Technology and/or Buses _____
 Site Work _____
 Facility Closing ☒ Demolish _____ Retain for future use _____ Convert to non-instructional _____
 Sell or lease _____ Undetermined _____

Statement describing any existing environmental or usability problems the proposed project will address.
(ex: asbestos, energy use, or ADA requirements)

Remove asbestos

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$0	\$0	\$0	\$0
Remodeling	\$78,000	\$0	\$78,000	\$0
Construction Contingencies	\$31,200	\$0	\$31,200	\$0
Instructional Technology	\$0	\$0	\$0	\$0
Loose Furnishing/Equipment	\$0	\$0	\$0	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$234,000	\$0	\$234,000	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$20,280	\$0	\$20,280	\$0
CM Fees and Costs	\$26,520	\$0	\$26,520	\$0
Estimated Costs	\$390,000	\$0	\$390,000	\$0

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Signature	Dale Jerome	French Associates	33304
10/1/2014	Printed Name	Firm Name and License Number	
Date	dalej@frenchia.com	248-656-7746	248-656-1377
	E-mail Address	Fax Number	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Cook Elementary School 5500 Perrine, Midland, MI Building Project Work List	Date: 10/1/2014	site visit:	N/A
	Grades: N/A	enrollment:	N/A
	Year Built: 1948		
	Building Size: 38,996	capacity:	330
	Site Size: 9.000		

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

ARCHITECTURAL WORK

Environmental								
Abate asbestos for building demolition	38,996	sf	2.00	\$78,000	\$19,500	\$97,500		2
Architectural Work Subtotal:				\$78,000			\$97,500	
Remodeling Subtotal:				\$78,000				

SITE WORK

Site Infrastructure								
Demo building & restoration	38,996	sf	6.00	\$234,000	\$58,500	\$292,500	including restoration	2
Site Work Subtotal:				\$234,000			\$292,500	

TOTAL DIRECT COSTS:				\$312,000			\$390,000	
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Project Contingency:	\$31,200
General Conditions:	\$6,240
CM Fee / Reimbursables:	\$20,280
A/E Fee / Reimbursables:	\$20,280

TOTAL PROJECT COSTS:	\$390,000	\$390,000	check #
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Notes:
Indirect costs include; contingency, general conditions & professional fees

Building Utilization

Project No.	17
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Name of School Building
Cook Elementary School

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Total Teaching Stations	0	Total Capacity	0
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Current Gr. Structure	n/a	Projected 5-Year Enrollment	0
Proposed Gr. Structure	n/a		

Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	0%
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- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary	9	X	20	=	180
(3-5) Upper Elementary	6	X	25	=	150
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Total Teaching Stations	15				

Square Footage for Closed Facility	38,996	Total Capacity	330
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Please transfer applicable information to the Utilization Summary on Page 7 of the application.

Facility Condition Assessment

Project Number
17

Cook Elementary

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Heat is set to minimum set-back due to building being closed. Would need to replace most mechanical equipment if building was to re-open

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Would want to add a secure entry if building is re-opened

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.		X	
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Roof would need to be replaced if building is re-opened

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.			X
3.	Water drains quickly from sinks.			X
4.	Floor area near toilets and sinks is dry.			X

Overall assessment or comments:

Would want to replace windows if building is re-opened. Water is turned off so it could not be assessed.

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.		X	
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Would need to upgrade lighting system if building is re-opened

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome

French Associates 33304

Signature

Printed Name

Firm Name and License Number

10/1/2014

dalej@frenchaia.com

248-656-7746

248-656-1377

Date

E-mail Address

Fax Number

Area Code and Telephone Number

Project Sheet

Project No.	18
Name of School Building:	Mills Elementary School

Description of Series 1 Project: n/a	Instructional Technology Description n/a
Description of Series 2 Project: demolish building and restore site	
Description of Series 3 Project: n/a	Site Work Description Demolish building and restore site

Type of Project:

New Building → New Construction Square Ft _____ Cost per Sq Ft _____
 Additions(s) → New Addition Square Ft. _____ Cost per Sq Ft _____
 Remodeling _____
 Technology and/or Buses _____
 Site Work _____
 Facility Closing ☒ Demolish _____ Retain for future use _____ Convert to non-instructional _____
 Sell or lease _____ Undetermined _____

Statement describing any existing environmental or usability problems the proposed project will address.
(ex: asbestos, energy use, or ADA requirements)

Remove asbestos

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$0	\$0	\$0	\$0
Remodeling	\$49,900	\$0	\$49,900	\$0
Construction Contingencies	\$19,950	\$0	\$19,950	\$0
Instructional Technology	\$0	\$0	\$0	\$0
Loose Furnishing/Equipment	\$0	\$0	\$0	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$149,600	\$0	\$149,600	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$12,968	\$0	\$12,968	\$0
CM Fees and Costs	\$16,958	\$0	\$16,958	\$0
Estimated Costs	\$249,375	\$0	\$249,375	\$0

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Signature	Dale Jerome	French Associates	33304
10/1/2014	Printed Name	Firm Name and License Number	
Date	dalej@frenchaia.com	248-656-7746	248-656-1377
	E-mail Address	Fax Number	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Mills Elementary School 3329 E. Baker Rd., Midland, MI Building Project Work List	Date: 10/1/2014	site visit:	N/A
	Grades: N/A	enrollment:	N/A
	Year Built: 1959		
	Building Size: 24,937	capacity:	135
	Site Size: 20.000		

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

ARCHITECTURAL WORK

<u>Environmental</u>								
Abate asbestos for building demolition	24,937	sf	2.00	\$49,900	\$12,475	\$62,375		2
Architectural Work Subtotal:				\$49,900			\$62,375	
Remodeling Subtotal:				\$49,900				

SITE WORK

<u>Site Infrastructure</u>								
Demo building & restoration	24,937	sf	6.00	\$149,600	\$37,400	\$187,000	including restoration	2
Site Work Subtotal:				\$149,600			\$187,000	

TOTAL DIRECT COSTS:				\$199,500			\$249,375	
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Project Contingency:	\$19,950
General Conditions:	\$3,990
CM Fee / Reimbursables:	\$12,968
A/E Fee / Reimbursables:	\$12,968

TOTAL PROJECT COSTS:	\$249,375	\$249,375	check #
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Notes:
Indirect costs include; contingency, general conditions & professional fees

Building Utilization

Project No.	18
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Name of School Building
Mills Elementary School

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Total Teaching Stations	0	Total Capacity	0
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Current Gr. Structure	n/a	Projected 5-Year Enrollment	0
Proposed Gr. Structure	n/a		

Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	0%
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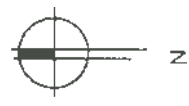
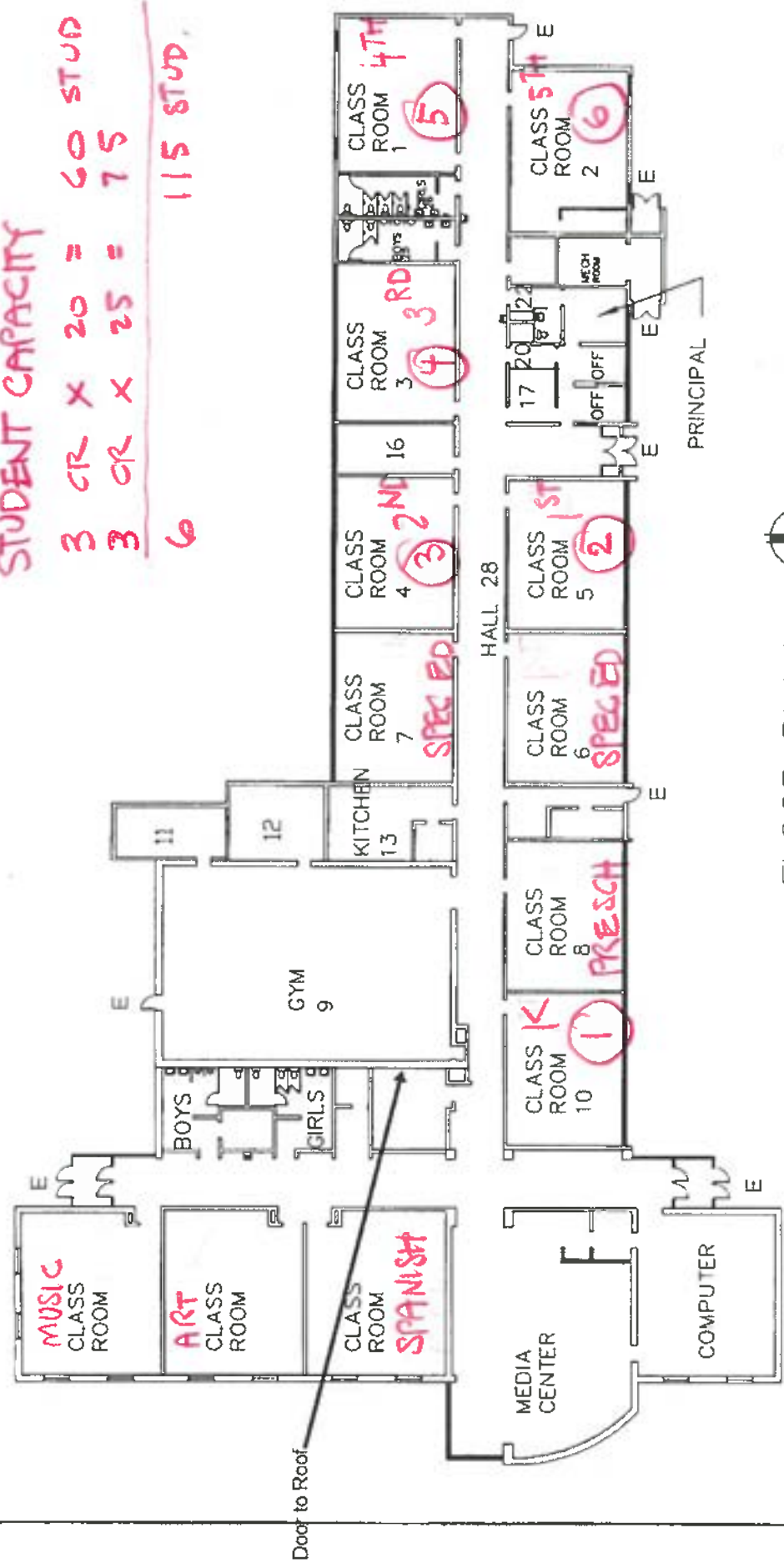
- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary	3	X	20	=	60
(3-5) Upper Elementary	3	X	25	=	75
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Total Teaching Stations	6				

Square Footage for Closed Facility	24,937	Total Capacity	135
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Please transfer applicable information to the Utilization Summary on Page 7 of the application.

STUDENT CAPACITY
 3 CR X 20 = 60 STUD
 3 CR X 25 = 75
 6 115 STUD



FLOOR PLAN

SF = 24037

Facility Condition Assessment

Project Number
18

Mills Elementary

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Heat is set to minimum set-back due to building being closed. Would need to replace most mechanical equipment if building was to re-open

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Would want to add a secure entry if building is re-opened

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.		X	
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Roof would need to be replaced if building is re-opened

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.			X
3.	Water drains quickly from sinks.			X
4.	Floor area near toilets and sinks is dry.			X

Overall assessment or comments:

Would want to replace windows if building is re-opened. Water is turned off so it could not be assessed.

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.		X	
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Would need to upgrade lighting system if building is re-opened

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome

French Associates 33304

Signature

Printed Name

Firm Name and License Number

10/1/2014

dalej@frenchaia.com

248-656-7746

248-656-1377

Date

E-mail Address

Fax Number

Area Code and Telephone Number

Project Sheet

Project No.	19
Name of School Building:	Parkdale Elementary School

Description of Series 1 Project: n/a	Instructional Technology Description n/a
Description of Series 2 Project: demolish building and restore site	
Description of Series 3 Project: n/a	Site Work Description Demolish building and restore site

Type of Project:

New Building → New Construction Square Ft _____ Cost per Sq Ft _____
 Additions(s) → New Addition Square Ft. _____ Cost per Sq Ft _____
 Remodeling _____
 Technology and/or Buses _____
 Site Work _____
 Facility Closing ☒ Demolish _____ Retain for future use _____ Convert to non-instructional _____
 Sell or lease _____ Undetermined _____

Statement describing any existing environmental or usability problems the proposed project will address.
(ex: asbestos, energy use, or ADA requirements)

Remove asbestos

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$0	\$0	\$0	\$0
Remodeling	\$82,800	\$0	\$82,800	\$0
Construction Contingencies	\$33,120	\$0	\$33,120	\$0
Instructional Technology	\$0	\$0	\$0	\$0
Loose Furnishing/Equipment	\$0	\$0	\$0	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$248,400	\$0	\$248,400	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$21,528	\$0	\$21,528	\$0
CM Fees and Costs	\$28,152	\$0	\$28,152	\$0
Estimated Costs	\$414,000	\$0	\$414,000	\$0

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Signature	Dale Jerome	French Associates	33304
10/1/2014	Printed Name	Firm Name and License Number	
Date	dalej@frenchia.com	248-656-7746	248-656-1377
	E-mail Address	Fax Number	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Parkdale Elementary School 1609 Eastlawn Dr., Midland, MI Building Project Work List	Date: 10/1/2014	site visit:	N/A
	Grades: N/A	enrollment:	N/A
	Year Built: 1955		
	Building Size: 41,398	capacity:	310
	Site Size: 14.000		

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

ARCHITECTURAL WORK

Environmental								
Abate asbestos for building demolition	41,398	sf	2.00	\$82,800	\$20,700	\$103,500		2
Architectural Work Subtotal:				\$82,800			\$103,500	
Remodeling Subtotal:				\$82,800				

SITE WORK

Site Infrastructure								
Demo building & restoration	41,398	sf	6.00	\$248,400	\$62,100	\$310,500	including restoration	2
Site Work Subtotal:				\$248,400			\$310,500	

TOTAL DIRECT COSTS:				\$331,200			\$414,000	
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Project Contingency:	\$33,120
General Conditions:	\$6,624
CM Fee / Reimbursables:	\$21,528
A/E Fee / Reimbursables:	\$21,528

TOTAL PROJECT COSTS:	\$414,000	\$414,000	check #
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Notes:
Indirect costs include; contingency, general conditions & professional fees

Building Utilization

Project No.	19
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Name of School Building
Parkdale Elementary School

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Total Teaching Stations	0	Total Capacity	0
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Current Gr. Structure	n/a	Projected 5-Year Enrollment	0
Proposed Gr. Structure	n/a		

Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	0%
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- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary	8	X	20	=	160
(3-5) Upper Elementary	6	X	25	=	150
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Total Teaching Stations	14				

Square Footage for Closed Facility	41,398	Total Capacity	310
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Please transfer applicable information to the Utilization Summary on Page 7 of the application.

5F 4094B

Facility Condition Assessment

Project Number
19

Parkdale Elementary

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Heat is set to minimum set-back due to building being closed. Would need to replace most mechanical equipment if building was to re-open

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Would want to add a secure entry if building is re-opened

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.		X	
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Roof would need to be replaced if building is re-opened

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.			X
3.	Water drains quickly from sinks.			X
4.	Floor area near toilets and sinks is dry.			X

Overall assessment or comments:

Would want to replace windows if building is re-opened. Water is turned off so it could not be assessed.

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.		X	
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Would need to upgrade lighting system if building is re-opened

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome		French Associates 33304	
Signature	Printed Name	Firm Name and License Number	
10/1/2014	dalej@frenchaia.com	248-656-7746	248-656-1377
Date	E-mail Address	Fax Number	Area Code and Telephone Number

Project Sheet

Project No.	20
Name of School Building:	Franklin Center

Description of Series 1 Project: n/a	Instructional Technology Description n/a
Description of Series 2 Project: demolish building and restore site	
Description of Series 3 Project: n/a	Site Work Description Demolish building and restore site

Type of Project:

New Building → New Construction Square Ft _____ Cost per Sq Ft _____
 Additions(s) → New Addition Square Ft. _____ Cost per Sq Ft _____
 Remodeling _____
 Technology and/or Buses _____
 Site Work _____
 Facility Closing ☒ Demolish _____ Retain for future use _____ Convert to non-instructional _____
 Sell or lease _____ Undetermined _____

Statement describing any existing environmental or usability problems the proposed project will address.
(ex: asbestos, energy use, or ADA requirements)

Remove asbestos

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$0	\$0	\$0	\$0
Remodeling	\$32,800	\$0	\$32,800	\$0
Construction Contingencies	\$13,120	\$0	\$13,120	\$0
Instructional Technology	\$0	\$0	\$0	\$0
Loose Furnishing/Equipment	\$0	\$0	\$0	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$98,400	\$0	\$98,400	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$8,528	\$0	\$8,528	\$0
CM Fees and Costs	\$11,152	\$0	\$11,152	\$0
Estimated Costs	\$164,000	\$0	\$164,000	\$0

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Signature	Dale Jerome	French Associates	33304
10/1/2014	Printed Name	Firm Name and License Number	
Date	dalej@frenchaia.com	248-656-7746	248-656-1377
	E-mail Address	Fax Number	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment Franklin Center 2900 Dauer St., Midland, MI Building Project Work List	Date: 10/1/2014	site visit:	N/A
	Grades: N/A	enrollment:	N/A
	Year Built: 1949		
	Building Size: 16,396	capacity:	N/A
	Site Size: 5.000		

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

ARCHITECTURAL WORK

Environmental								
Abate asbestos for building demolition	16,396	sf	2.00	\$32,800	\$8,200	\$41,000		2
Architectural Work Subtotal:				\$32,800			\$41,000	
Remodeling Subtotal:				\$32,800				

SITE WORK

Site Infrastructure								
Demo building & restoration	16,396	sf	6.00	\$98,400	\$24,600	\$123,000	including restoration	2
Site Work Subtotal:				\$98,400			\$123,000	

TOTAL DIRECT COSTS:				\$131,200			\$164,000	
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Project Contingency:	\$13,120
General Conditions:	\$2,624
CM Fee / Reimbursables:	\$8,528
A/E Fee / Reimbursables:	\$8,528

TOTAL PROJECT COSTS:	\$164,000	\$164,000	check #
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Notes:
Indirect costs include; contingency, general conditions & professional fees

Building Utilization

Project No.	20
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Name of School Building
Franklin Center

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Total Teaching Stations	0	Total Capacity	0
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Current Gr. Structure	n/a	Projected 5-Year Enrollment	0
Proposed Gr. Structure	n/a		

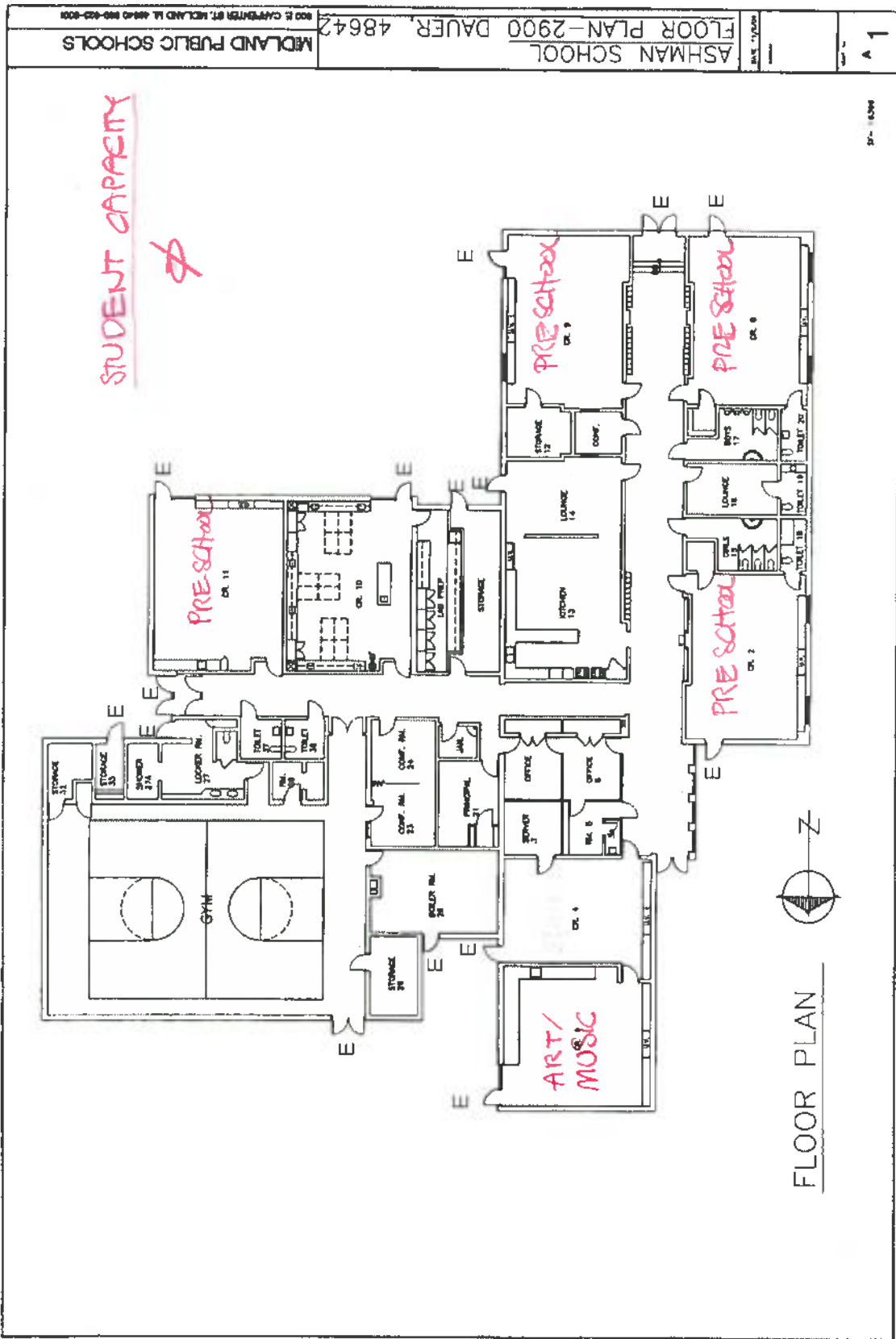
Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	0%
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- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary	0	X	20	=	0
(3-5) Upper Elementary	0	X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Total Teaching Stations	0				

Square Footage for Closed Facility	16,396	Total Capacity	0
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Please transfer applicable information to the Utilization Summary on Page 7 of the application.



Facility Condition Assessment

Project Number
20

Franklin Center

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Heat is set to minimum set-back due to building being closed. Would need to replace most mechanical equipment if building was to re-open

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Would want to add a secure entry if building is re-opened

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.		X	
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Roof would need to be replaced if building is re-opened

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.			X
3.	Water drains quickly from sinks.			X
4.	Floor area near toilets and sinks is dry.			X

Overall assessment or comments:

Would want to replace windows if building is re-opened. Water is turned off so it could not be assessed.

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.		X	
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Would need to upgrade lighting system if building is re-opened

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome		French Associates 33304	
Signature	Printed Name	Firm Name and License Number	
10/1/2014	dalej@frenchaia.com	248-656-7746	248-656-1377
Date	E-mail Address	Fax Number	Area Code and Telephone Number

Project Sheet

Project No.	21
Name of School Building:	State Street Building

Description of Series 1 Project: n/a	Instructional Technology Description n/a
Description of Series 2 Project: demolish building and restore site	
Description of Series 3 Project: n/a	Site Work Description Demolish building and restore site

Type of Project:

New Building → New Construction Square Ft _____ Cost per Sq Ft _____
 Additions(s) → New Addition Square Ft. _____ Cost per Sq Ft _____
 Remodeling _____
 Technology and/or Buses _____
 Site Work _____
 Facility Closing ☒ Demolish _____ Retain for future use _____ Convert to non-instructional _____
 Sell or lease _____ Undetermined _____

Statement describing any existing environmental or usability problems the proposed project will address.
(ex: asbestos, energy use, or ADA requirements)

Remove asbestos

Estimated Cost of Proposed Construction Project: (Attach analysis showing how cost estimates were calculated.)

	Total	Series 1	Series 2	Series 3
New Construction	\$0	\$0	\$0	\$0
Remodeling	\$37,600	\$0	\$37,600	\$0
Construction Contingencies	\$15,030	\$0	\$15,030	\$0
Instructional Technology	\$0	\$0	\$0	\$0
Loose Furnishing/Equipment	\$0	\$0	\$0	\$0
Buses	\$0	\$0	\$0	\$0
Site Work	\$112,700	\$0	\$112,700	\$0
Site Acquisition	\$0	\$0	\$0	\$0
Architectural Fees and Costs	\$9,770	\$0	\$9,770	\$0
CM Fees and Costs	\$12,776	\$0	\$12,776	\$0
Estimated Costs	\$187,875	\$0	\$187,875	\$0

(Not including election or bond issuance costs)

Certificate by Registered Architect

I certify that the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Signature	Dale Jerome	French Associates	33304
10/1/2014	Printed Name	Firm Name and License Number	
Date	dalej@frenchia.com	248-656-7746	248-656-1377
	E-mail Address	Fax Number	Area Code and Telephone Number

MIDLAND PUBLIC SCHOOLS District Wide Facility Assessment State Street Building 815 State St, Midland, MI Building Project Work List	Date: 10/1/2014	site visit:	N/A
	Grades: N/A	enrollment:	N/A
	Year Built: unknown		
	Building Size: 18,790	capacity:	N/A
	Site Size:		

Category				Direct	Indirect	Total	Notes /	
Description	Qty	Unit	Unit Cost	Cost	Costs	Estimate	Subtotals	Series

ARCHITECTURAL WORK

<u>Environmental</u>								
Abate asbestos for building demolition	18,790	sf	2.00	\$37,600	\$9,400	\$47,000		2
Architectural Work Subtotal:				\$37,600			\$47,000	
Remodeling Subtotal:				\$37,600				

SITE WORK

<u>Site Infrastructure</u>								
Demo building & restoration	18,790	sf	6.00	\$112,700	\$28,175	\$140,875	including restoration	2
Site Work Subtotal:				\$112,700			\$140,875	

TOTAL DIRECT COSTS:				\$150,300			\$187,875	
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Project Contingency:	\$15,030
General Conditions:	\$3,006
CM Fee / Reimbursables:	\$9,770
A/E Fee / Reimbursables:	\$9,770

TOTAL PROJECT COSTS:	\$187,875	\$187,875	check #
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Notes:
Indirect costs include; contingency, general conditions & professional fees

Building Utilization

Project No.	21
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Name of School Building
State Street Building

Existing/Adequate	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Remodeled	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Proposed New	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary		X	20	=	0
(3-5) Upper Elementary		X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Sub Totals	0				0

Total Teaching Stations	0	Total Capacity	0
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Current Gr. Structure	n/a	Projected 5-Year Enrollment	0
Proposed Gr. Structure	n/a		

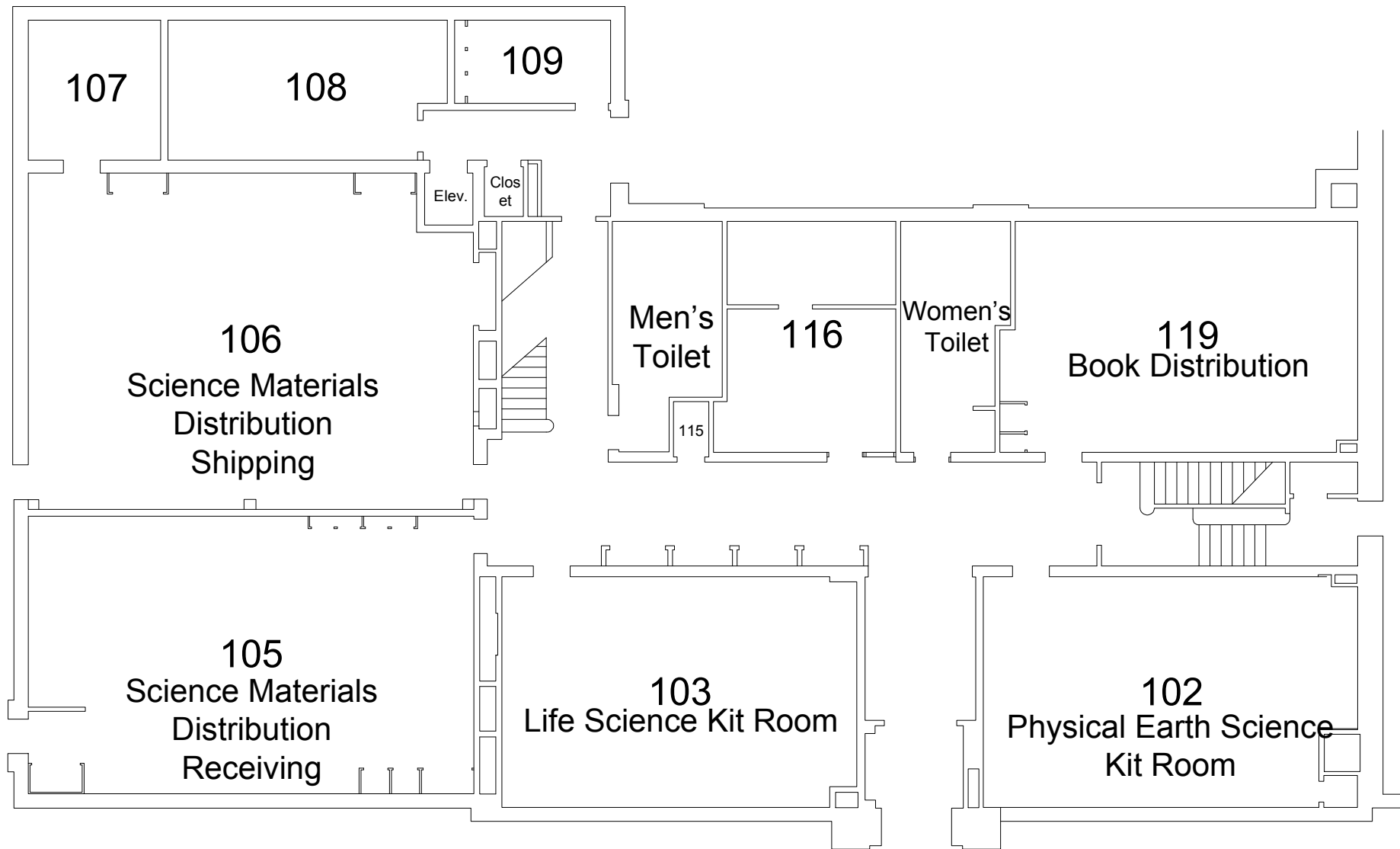
Utilization Percentage (Projected 5-Year Enrollment / Total Capacity)	0%
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- 1 List the number of teaching station in appropriate column.
- 2 Calculate total capacity using the applicable capacity factor.
- 3 Enter five (5) year projected enrollment.
- 4 Calculate building utilization rate.
- 5 Attach floor and site plan of the building. Show the rooms and category (adequate, remodeled, proposed new, closed).
Number the teaching stations in consecutive order.

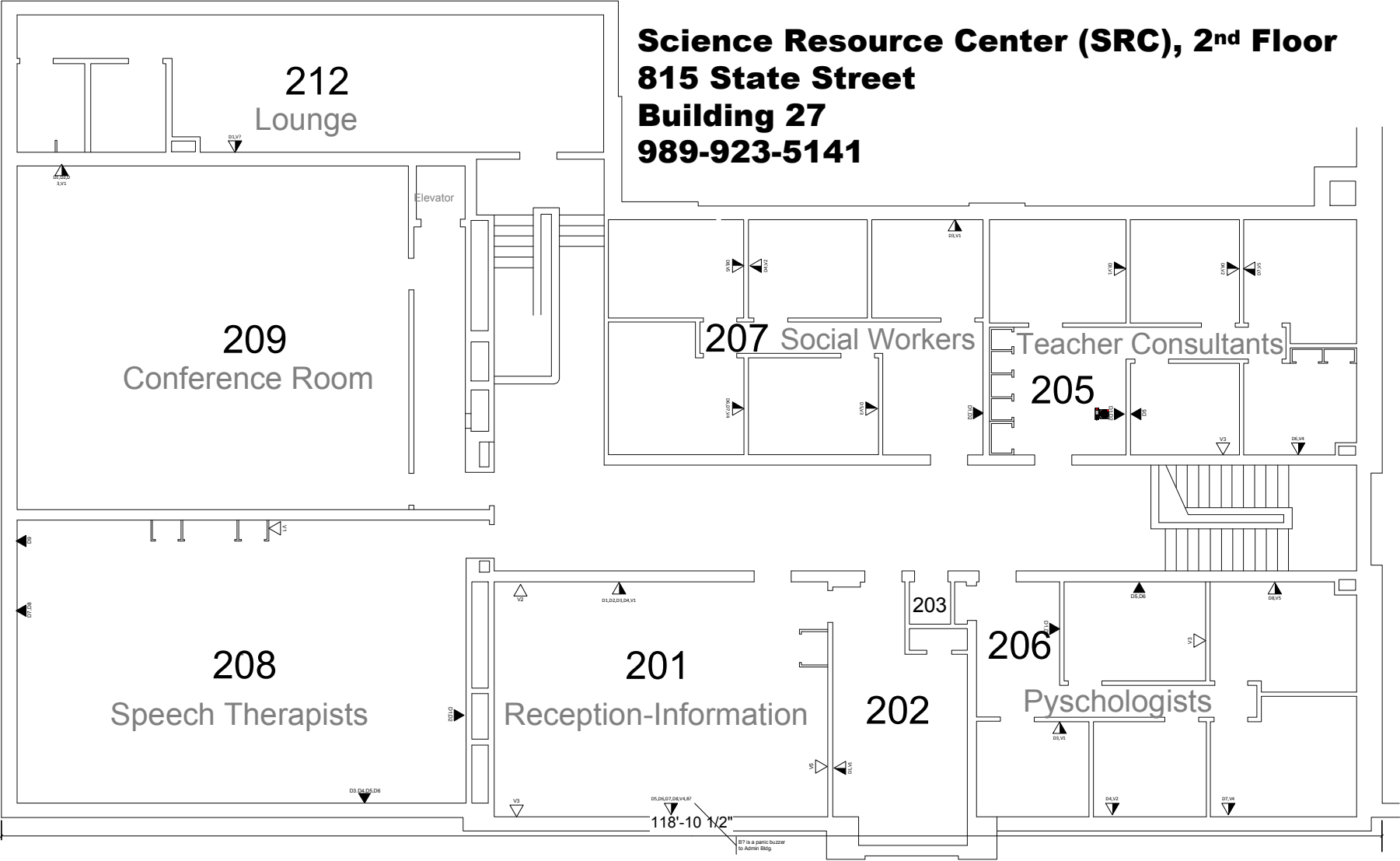
Facility to be Closed	List # of Teaching Stations	X	Capacity Factor	=	Capacity
(K-2) Lower Elementary	0	X	20	=	0
(3-5) Upper Elementary	0	X	25	=	0
(6-8) Junior High		X	22.5	=	0
(9-12) High School		X	21.25	=	0
Total Teaching Stations	0				

Square Footage for Closed Facility	18,790	Total Capacity	0
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Please transfer applicable information to the Utilization Summary on Page 7 of the application.



Science Resource Center (SRC), 2nd Floor
815 State Street
Building 27
989-923-5141



Facility Condition Assessment

Project Number
21

State Street Building

Perform walkthrough inspection of the facility including special-use areas such as the cafeteria, art rooms, industrial arts areas, and science labs. Please complete the following assessment form by responding to ALL statements.

Please provide an overall assessment of each section or comment on any deficiencies or special circumstances:

Health Section		Yes	No	N/A
1.	Visible mold/damage does not exist due to past or present water/moisture leaks.	X		
2.	Indoor surfaces are free of loose and peeling paint.	X		
3.	Air temperature is comfortable throughout the building.		X	
4.	Unique/objectable odors are not present in specific areas or throughout the building.	X		

Overall assessment or comments:

Heat is set to minimum set-back due to building being closed. Would need to replace most mechanical equipment if building was to re-open

Life Safety Section		Yes	No	N/A
1.	Lighted exit signs are present at each entrance/exit and are clearly visible.	X		
2.	Fire suppression equipment is present in kitchen, science rooms and corridors.		X	
3.	Washroom facilities have barrier free accessibility.	X		
4.	Building access is limited to select, controlled entries.		X	

Overall assessment or comments:

Would want to add a secure entry if building is re-opened

Structural Section		Yes	No	N/A
1.	Inside masonry walls do not show visible signs of cracks beyond normal aging.	X		
2.	Surface cracks do not exist around perimeter of interior/exterior doors and windows.	X		
3.	Roof structure does not show visible signs of damage.		X	
4.	Building exterior is intact and does not show visible deterioration beyond normal aging.	X		

Overall assessment or comments:

Roof would need to be replaced if building is re-opened

Mechanical Section		Yes	No	N/A
1.	Windows and exterior doors prevent inefficient air leakage.		X	
2.	Water pressure exists to wash hands, supply water fountains, and flush toilets.			X
3.	Water drains quickly from sinks.			X
4.	Floor area near toilets and sinks is dry.			X

Overall assessment or comments:

Would want to replace windows if building is re-opened. Water is turned off so it could not be assessed.

Electrical Section		Yes	No	N/A
1.	Lighting system provides adequate intensity, diffusion, and distribution of illumination.		X	
2.	Electrical controls are safely protected and accessible.	X		
3.	Classrooms have sufficient outlets to prevent regular use of electrical extension cords.	X		
4.	The proximity of electrical systems or panels is dry and free of standing water.	X		

Overall assessment or comments:

Would need to upgrade lighting system if building is re-opened

Certificate by Registered Architect

I certify that I have assessed the factors described above and that the conditions relative to the facility are true and correct to the best of my knowledge and belief.

Dale Jerome		French Associates 33304	
Signature	Printed Name	Firm Name and License Number	
10/1/2014	dalej@frenchaia.com	248-656-7746	248-656-1377
Date	E-mail Address	Fax Number	Area Code and Telephone Number

Utilization Summary

Name of School District: **Midland Public School**District Code Number: **56010**

List ALL district facilities in the following order: elementary schools, junior high/middle schools, high schools, and non-instructional facilities.

Proj. No.	Name of School Facility	Current Grade Structure	Proposed Grade Structure	Projected 5-Year Enrollment	Adequate Pupil Capacity	Remodel Pupil Capacity	New Pupil Capacity	Total Pupil Capacity	Utilization %	Closed Pupil Capacity
1	Adams Elementary	K-5	K-5	385	405	0	N/A	405	95%	N/A
2	Carpenter Street	K-5	N/A	0	0	N/A	N/A	0	N/A	295
3	Chestnut Hill Elementary	K-5	K-5	385	405	0	N/A	405	95%	N/A
4	Eastlawn Elementary	K-5	N/A	0	0	N/A	N/A	0	N/A	375
5	Plymouth Elementary	K-5	K-5	430	455	0	N/A	455	95%	N/A
6	Siebert Elementary	K-5	K-5	495	540	0	N/A	540	92%	N/A
7	Woodcrest Elementary	K-5	K-5	490	515	0	N/A	515	95%	N/A
8	new elementary school	K-5	K-5	851	N/A	N/A	900	900	95%	N/A
9	Central Middle	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	765
10	Jefferson Middle	6-8	6-8	670	810	0	N/A	810	83%	N/A
11	Northeast Middle	6-8	6-8	842	1,013	0	N/A	1,013	83%	N/A
12	H.H. Dow High School	9-12	9-12	960	1,190	0	N/A	1,190	81%	N/A
13	Midland High School	9-12	9-12	1172	1,445	0	N/A	1,445	81%	N/A
14	Administration Office	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
15	Transportation and Maintenance	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16	Grounds	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17	Cook Elementary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	330
18	Mills Elementary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	135
19	Parkdale Elementary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	310
20	Franklin Center	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
21	State Street	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0

Subtotals by School District's Grade Configuration

Elementary School		K-5	K-5	3,036	2,320	0	900	3,220	94%	1,445
Junior High/Middle School		6-8	6-8	1,512	1,823	0	0	1,823	83%	765
High School		9-12	9-12	2,132	2,635	0	0	2,635	81%	N/A
Total:				6,680	6,778	0	900	7,678	87%	2,210

Facility Summary

Name of School District: **Midland Public Schools**

District Code Number: **56010**

List ALL district facilities in the following order: elementary schools, junior high/middle schools, high schools, and non-instructional facilities.

	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9	Col. 10	Col. 11	Col. 12
Proj. No.	Facility Type*	Name of School Facility	Address	City	Year Built	Year(s) Remodeled	Site Size (Acres)	Total Sq.Ft.	New Site (Acres)	Bldg In Use? Y/N	Sq Ft of Closed Facility	Disposition of Closed Facility**
1	Instructional	Adams Elementary	1005 Adams Dr.	Midland	1962		16.00	44,745	N/A	Y	N/A	N/A
2	Instructional	Carpenter Street School	1407 W. Carpenter St.	Midland	1926		5.00	37,934	N/A	Y	N/A	N/A
3	Instructional	Chestnut Hill Elementary	3900 Chestnut Hill	Midland	1957		11.00	41,407	N/A	Y	N/A	N/A
4	Instructional	Eastlawn Elementary	115 Eastlawn	Midland	1945		8.00	50,710	N/A	Y	N/A	N/A
5	Instructional	Plymouth Elementary	1105 E. Sugnet	Midland	1952		14.00	40,812	N/A	Y	N/A	N/A
6	Instructional	Siebert Elementary	5700 Siebert St.	Midland	1958		14.00	48,489	N/A	Y	N/A	N/A
7	Instructional	Woodcrest Elementary	5500 Drake	Midland	1969		16.00	38,147	N/A	Y	N/A	N/A
8	Instructional	new Elementary School	Central Middle School site		N/A				N/A	N/A	N/A	N/A
9	Instructional	Central Middle School	305 E. Reardon St	Midland	1937		20.00	125,135	N/A	Y	N/A	N/A
10	Instructional	Jefferson Middle School	800 W. Chapel Ln.	Midland	1963		22.00	112,246	N/A	Y	N/A	N/A
11	Instructional	Northeast Middle School	1305 E. Sugnet Rd.	Midland	1950		13.00	147,638	N/A	Y	N/A	N/A
12	Instructional	H. H. Dow High School	3901 N. Saginaw Rd.	Midland	1967		67.00	276,104	N/A	Y	N/A	N/A
13	Instructional	Midland High School	1301 Eastlawn Dr.	Midland	1955		39.00	295,752	N/A	Y	N/A	N/A
14	Non-Instructional	Administration Office	600 E. Carpenter St.	Midland				27,558	N/A	Y	N/A	N/A
15	Bus Garage	Transportation and Maintenance	410 E. Hines St	Midland				34,440	N/A	Y	N/A	N/A
16	Non-Instructional	Grounds	417 E. Hines St	Midland				7,700	N/A	Y	N/A	N/A
17	Instructional	Cook Elementary	5500 Perrine	Midland	1948		9.00	N/A	N/A	N	38,996	1
18	Instructional	Mills Elementary	3329 E. Baker Rd	Midland	1959		20.00	N/A	N/A	N	24,937	1
19	Instructional	Parkdale Elementary	1609 Eastlawn Dr.	Midland	1955		14.00	N/A	N/A	N	41,398	1
20	Instructional	Franklin Center	2900 Dauer St.	Midland	1949		5.00	N/A	N/A	N	16,396	1
21	Instructional	State Street	815 State St.	Midland				N/A	N/A	N	18,790	1
	-----	-----	-----	-----	-----	-----	293	1,328,817			140,517	-----

*Facility Type:	**Closed Facility Ref:
Instructional	1. Demolish
Non-Instructional	2. Convert to non-instr.
Bus Garage	3. Sell or lease
Storage	4. Retain for future use
Stadium	5. Undetermined

Cost Summary - SERIES 1

Name of School District: **Midland Public Schools**

District Code Number: **56010**

Proj. #	Cost per Sq Foot	New Cons Sq Feet	New Construction	Remodeling	Contingency	Instructional Technology	Loose Furn and Equip	Buses	Site Work	Site Acquisition	A/E Fees and Costs	CM Fees and Costs	Project Costs	Election/ Issue Costs	Total Cost
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	190	9,500	1,805,000	2,033,000	457,855	462,450	99,600	0	178,500	0	295,753	387,324	5,719,483	91,455	5,810,937
2			0	45,000	4,500	0	0	0	0	0	2,925	3,825	56,250	899	57,149
3	190	9,500	1,805,000	2,603,500	540,210	469,200	98,400	0	426,000	0	349,284	457,326	6,748,920	107,916	6,856,836
4			0	0	0	0	0	0	0	0	0	0	0	0	0
5	190	9,500	1,805,000	2,177,400	487,750	506,350	105,250	0	283,500	0	315,185	412,735	6,093,170	97,430	6,190,600
6	190	9,500	1,805,000	2,322,250	522,510	619,750	99,600	0	378,500	0	337,779	442,281	6,527,670	104,378	6,632,048
7	190	9,500	1,805,000	3,083,000	591,150	551,600	106,400	0	365,500	0	382,395	500,625	7,385,670	118,097	7,503,767
8	192	64,400	12,364,800	1,954,833	1,614,973	854,200	460,700	0	515,200	0	1,029,869	1,352,863	20,147,439	322,158	20,469,597
9	192	4,000	768,000	3,115,050	410,775	24,750	103,954	0	96,000	0	265,002	347,157	5,130,687	82,040	5,212,727
10			0	631,125	186,688	1,210,700	25,050	0	0	0	121,347	158,684	2,333,594	37,314	2,370,908
11			0	797,075	214,418	1,306,900	40,200	0	0	0	139,371	182,255	2,680,219	42,857	2,723,076
12	192	2,000	384,000	293,125	243,388	1,678,100	62,650	0	16,000	0	158,202	206,879	3,042,344	48,647	3,090,991
13			0	386,555	227,761	1,800,350	90,700	0	0	0	148,044	193,596	2,847,006	45,524	2,892,530
14			0	567,250	78,488	0	217,630	0	0	0	51,017	66,715	981,099	15,688	996,787
15			0	39,600	167,735	0	22,750	1,615,000	0	0	4,053	37,600	1,886,738	30,169	1,916,907
16			0	26,550	7,310	0	46,550	0	0	0	3,127	4,589	88,125	1,409	89,534
17			0	0	0	0	0	0	0	0	0	0	0	0	0
18			0	0	0	0	0	0	0	0	0	0	0	0	0
19			0	0	0	0	0	0	0	0	0	0	0	0	0
20			0	0	0	0	0	0	0	0	0	0	0	0	0
21			0	0	0	0	0	0	0	0	0	0	0	0	0
Total		117,900	22,541,800	20,075,313	5,755,510	9,484,350	1,579,433	1,615,000	2,259,200	0	3,603,353	4,754,454	71,668,413	1,145,981	72,814,394

17. % of Project Costs: (= The total of each column / the total of Column 14)

31.45%	28.01%	8.03%	13.23%	2.20%	2.25%	3.15%	0.00%	5.03%	6.63%
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18. Election/Bond Issue Costs:			
Bond (and Local) Attorney:	82,326	Capitalized Interest:	0
Financial Advisor:	75,594	Official Statement:	5,500
Qualification Fee:	18,400	Election Notices:	13,261
Treasury Filing Fee:	1,000	Bond Discount:	908,000
Auditor Review:	0	Credit Rating:	41,500
M.A.C. Fee:	400		
Miscellaneous Costs*:	0	Total Election/Issue Costs:	1,145,981
(Prorate the total for each project in Col 14 and distribute prorate within Col 15.)			

19. Funding:	
Total Estimated Cost of Project:	72,814,394
LESS:	
Estimated Interest Earnings:	174,394
Other (specify):	0
AMOUNT OF PROPOSED ISSUE	72,640,000
(Amount to be Qualified)	

*Explanation of Miscellaneous Costs: _____

Cost Summary - SERIES 2

Name of School District: **Midland Public Schools**District Code Number: **56010**

Proj. #	Cost per Sq Foot	New Cons Sq Feet	New Construction	Remodeling	Contingency	Instructional Technology	Loose Furn and Equip	Buses	Site Work	Site Acquisition	A/E Fees and Costs	CM Fees and Costs	Project Costs	Election/ Issue Costs	Total Cost
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1			0	127,500	64,230	386,500	78,300	0	50,000	0	11,538	16,654	734,721	12,208	746,929
2			0	0	0	0	0	0	0	0	0	0	0	0	0
3			0	126,550	63,535	396,300	72,500	0	40,000	0	10,826	15,607	725,318	12,051	737,369
4			0	101,400	40,570	0	0	0	304,300	0	26,371	34,485	507,125	8,426	515,551
5			0	130,350	65,995	418,200	71,400	0	40,000	0	11,073	15,908	752,926	12,510	765,436
6			0	138,350	80,155	513,300	84,900	0	65,000	0	13,218	18,983	913,906	15,185	929,090
7			0	110,000	67,110	454,300	66,800	0	40,000	0	9,750	14,086	762,046	12,662	774,708
8			0	0	69,285	692,850	0	0	0	0	0	0	762,135	12,663	774,798
9			0	47,200	11,915	24,750	47,196	0	0	0	3,068	4,956	139,085	2,311	141,395
10			0	2,205,350	325,583	272,975	294,000	0	483,500	0	190,652	253,542	4,025,601	66,887	4,092,487
11			0	2,784,400	369,920	356,200	356,000	0	202,600	0	211,617	282,198	4,562,936	75,815	4,638,751
12			0	4,789,150	833,775	1,010,500	753,400	0	1,784,700	0	460,262	612,785	10,244,572	170,218	10,414,789
13			0	3,701,150	833,690	1,039,950	790,800	0	2,805,000	0	458,621	611,087	10,240,297	170,147	10,410,444
14			0	1,817,880	196,757	0	127,692	0	22,000	0	119,592	156,990	2,440,911	40,557	2,481,468
15			0	318,800	134,370	0	9,900	990,000	25,000	0	22,347	49,023	1,549,440	25,745	1,575,185
16			0	78,400	11,330	0	9,900	0	25,000	0	6,721	8,789	140,140	2,328	142,468
17			0	78,000	31,200	0	0	0	234,000	0	20,280	26,520	390,000	6,480	396,480
18			0	49,900	19,950	0	0	0	149,600	0	12,968	16,958	249,375	4,143	253,518
19			0	82,800	33,120	0	0	0	248,400	0	21,528	28,152	414,000	6,879	420,879
20			0	32,800	13,120	0	0	0	98,400	0	8,528	11,152	164,000	2,725	166,725
21			0	37,600	15,030	0	0	0	112,700	0	9,770	12,776	187,875	3,122	190,997
Total		0	0	16,757,580	3,280,639	5,565,825	2,762,788	990,000	6,730,200	0	1,628,726	2,190,647	39,906,406	663,061	40,569,467

17. % of Project Costs: (= The total of each column / the total of Column 14)

0.00%	41.99%	8.22%	13.95%	6.92%	2.48%	16.86%	0.00%	4.08%	5.49%
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18. Election/Bond Issue Costs:

Bond (and Local) Attorney:	52,400	Capitalized Interest:	0
Financial Advisor:	48,232	Official Statement:	5,500
Qualification Fee:	12,000	Election Notices:	2,904
Treasury Filing Fee:	1,000	Bond Discount:	505,625
Auditor Review:	0	Credit Rating:	35,000
M.A.C. Fee:	400		
Miscellaneous Costs*:	0	Total Election/Issue Costs:	663,061

(Prorate the total for each project in Col 14 and distribute prorate within Col 15.)

19. Funding:

Total Estimated Cost of Project:	40,569,467
LESS:	
Estimated Interest Earnings:	119,467
Other (specify):	0

AMOUNT OF PROPOSED ISSUE	40,450,000
(Amount to be Qualified)	

*Explanation of Miscellaneous Costs: _____

Cost Summary - SERIES 3

Name of School District: **Midland Public Schools**District Code Number: **56010**

Proj. #	Cost per Sq Foot	New Cons Sq Feet	New Construction	Remodeling	Contingency	Instructional Technology	Loose Furn and Equip	Buses	Site Work	Site Acquisition	A/E Fees and Costs	CM Fees and Costs	Project Costs	Election/ Issue Costs	Total Cost
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1			0	0	36,820	368,200	0	0	0	0	2,808	3,672	411,500	8,548	420,048
2			0	0	0	0	0	0	0	0	0	0	0	0	0
3			0	0	37,420	374,200	0	0	0	0	2,691	3,519	417,830	8,680	426,510
4			0	0	0	0	0	0	0	0	0	0	0	0	0
5			0	0	40,010	400,100	0	0	0	0	3,276	4,284	447,670	9,300	456,970
6			0	0	49,800	498,000	0	0	0	0	3,978	5,202	556,980	11,570	568,550
7			0	0	44,060	440,600	0	0	0	0	3,627	4,743	493,030	10,242	503,272
8			0	27,000	64,645	619,450	0	0	0	0	7,839	10,251	729,185	15,148	744,333
9			0	0	2,475	24,750	0	0	0	0	0	0	27,225	566	27,791
10			0	0	34,483	344,825	0	0	0	0	0	0	379,308	7,880	387,187
11			0	0	44,005	440,050	0	0	0	0	0	0	484,055	10,055	494,110
12			0	0	58,988	589,875	0	0	0	0	0	0	648,863	13,479	662,342
13			0	0	65,195	651,950	0	0	0	0	0	0	717,145	14,898	732,043
14			0	0	5,439	0	54,391	0	0	0	0	0	59,830	1,243	61,073
15			0	0	247,990	0	9,900	2,470,000	0	0	0	49,400	2,777,290	57,694	2,834,984
16			0	0	990	0	9,900	0	0	0	0	0	10,890	226	11,116
17			0	0	0	0	0	0	0	0	0	0	0	0	0
18			0	0	0	0	0	0	0	0	0	0	0	0	0
19			0	0	0	0	0	0	0	0	0	0	0	0	0
20			0	0	0	0	0	0	0	0	0	0	0	0	0
21			0	0	0	0	0	0	0	0	0	0	0	0	0
Total		0	0	27,000	732,319	4,752,000	74,191	2,470,000	0	0	24,219	81,071	8,160,800	169,528	8,330,328

17. % of Project Costs: (= The total of each column / the total of Column 14)

0.00%	0.33%	8.97%	58.23%	0.91%	30.27%	0.00%	0.00%	0.30%	0.99%
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18. Election/Bond Issue Costs:

Bond (and Local) Attorney:	18,891
Financial Advisor:	18,241
Qualification Fee:	5,600
Treasury Filing Fee:	1,000
Auditor Review:	0
M.A.C. Fee:	400
Miscellaneous Costs*:	0

Capitalized Interest:	0
Official Statement:	5,500
Election Notices:	4,021
Bond Discount:	103,875
Credit Rating:	12,000

Total Election/Issue Costs: 169,528

(Prorate the total for each project in Col 14 and distribute prorate within Col 15.)

19. Funding:

Total Estimated Cost of Project:	8,330,328
LESS:	
Estimated Interest Earnings:	20,328
Other (specify):	0

AMOUNT OF PROPOSED ISSUE

(Amount to be Qualified)

8,310,000

*Explanation of Miscellaneous Costs: _____

Cost Summary - SERIES 1-3

Name of School District: **Midland Public Schools**

District Code Number: **56010**

Proj. #	Cost per Sq Foot	New Cons Sq Feet	New Construction	Remodeling	Contingency	Instructional Technology	Loose Furn and Equip	Buses	Site Work	Site Acquisition	A/E Fees and Costs	CM Fees and Costs	Project Costs	Election/ Issue Costs	Total Cost
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	190	9,500	1,805,000	2,160,500	558,905	1,217,150	177,900	0	228,500	0	310,099	407,650	6,865,704	112,211	6,977,914
2	0	0	0	45,000	4,500	0	0	0	0	0	2,925	3,825	56,250	899	57,149
3	190	9,500	1,805,000	2,730,050	641,165	1,239,700	170,900	0	466,000	0	362,801	476,452	7,892,068	128,647	8,020,714
4	0	0	0	101,400	40,570	0	0	0	304,300	0	26,371	34,485	507,125	8,426	515,551
5	190	9,500	1,805,000	2,307,750	593,755	1,324,650	176,650	0	323,500	0	329,534	432,927	7,293,766	119,240	7,413,005
6	190	9,500	1,805,000	2,460,600	652,465	1,631,050	184,500	0	443,500	0	354,975	466,466	7,998,556	131,133	8,129,689
7	190	9,500	1,805,000	3,193,000	702,320	1,446,500	173,200	0	405,500	0	395,772	519,454	8,640,746	141,001	8,781,747
8	192	64,400	12,364,800	1,981,833	1,748,903	2,166,500	460,700	0	515,200	0	1,037,708	1,363,114	21,638,759	349,969	21,988,728
9	192	4,000	768,000	3,162,250	425,165	74,250	151,150	0	96,000	0	268,070	352,113	5,296,997	84,916	5,381,913
10	0	0	0	2,836,475	546,753	1,828,500	319,050	0	483,500	0	311,998	412,226	6,738,502	112,081	6,850,583
11	0	0	0	3,581,475	628,343	2,103,150	396,200	0	202,600	0	350,989	464,453	7,727,209	128,727	7,855,937
12	192	2,000	384,000	5,082,275	1,136,150	3,278,475	816,050	0	1,800,700	0	618,464	819,664	13,935,778	232,344	14,168,122
13	0	0	0	4,087,705	1,126,646	3,492,250	881,500	0	2,805,000	0	606,665	804,683	13,804,448	230,568	14,035,016
14	0	0	0	2,385,130	280,684	0	399,713	0	22,000	0	170,609	223,705	3,481,841	57,487	3,539,328
15	0	0	0	358,400	550,095	0	42,550	5,075,000	25,000	0	26,400	136,023	6,213,468	113,607	6,327,075
16	0	0	0	104,950	19,630	0	66,350	0	25,000	0	9,848	13,378	239,155	3,964	243,119
17	0	0	0	78,000	31,200	0	0	0	234,000	0	20,280	26,520	390,000	6,480	396,480
18	0	0	0	49,900	19,950	0	0	0	149,600	0	12,968	16,958	249,375	4,143	253,518
19	0	0	0	82,800	33,120	0	0	0	248,400	0	21,528	28,152	414,000	6,879	420,879
20	0	0	0	32,800	13,120	0	0	0	98,400	0	8,528	11,152	164,000	2,725	166,725
21	0	0	0	37,600	15,030	0	0	0	112,700	0	9,770	12,776	187,875	3,122	190,997
Total		117,900	22,541,800	36,859,893	9,768,468	19,802,175	4,416,412	5,075,000	8,989,400	0	5,256,298	7,026,172	119,735,619	1,978,570	121,714,189

17. % of Project Costs: (= The total of each column / the total of Column 14)

18.83%	30.78%	8.16%	16.54%	3.69%	4.24%	7.51%	0.00%	4.39%	5.87%
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18. Election/Bond Issue Costs:

Bond (and Local) Attorney: 153,617
 Financial Advisor: 142,067
 Qualification Fee: 36,000
 Treasury Filing Fee: 3,000
 Auditor Review: 0
 M.A.C. Fee: 1,200
 Miscellaneous Costs*: 0

Capitalized Interest: 0
 Official Statement: 16,500
 Election Notices: 20,186
 Bond Discount: 1,517,500
 Credit Rating: 88,500

Total Election/Issue Costs: 1,978,570

(Prorate the total for each project in Col 14 and distribute prorate within Col 15.)

19. Funding:

Total Estimated Cost of Project: 121,714,189
 LESS:
 Estimated Interest Earnings: 314,189
 Other (specify): 0

AMOUNT OF PROPOSED ISSUE
 (Amount to be Qualified) **121,400,000**

*Explanation of Miscellaneous Costs: _____



architects planners interiors

1600 Parkdale
Rochester, MI
48307
T 248.656.1377
F 248.656.7746

October 2, 2014

Ms. Carol Densmore
Michigan Department of Treasury
School Bond Qualifications and Loan Program
PO Box 15128
Lansing, Michigan 48901

Re: Midland Public Schools – Application for Preliminary Qualification of Bonds
Opinion Regarding Closing/Demolition of Existing Facilities

Dear Carol,

French Associates was hired by Midland Public Schools earlier this year to complete a comprehensive assessment of all District facilities. Included in the facility assessment were both occupied and unoccupied school facilities. We were also assisted in the facility assessment process by the construction manager, Barton Malow Company.

After a thorough and comprehensive evaluation of all facilities, we have made the following recommendations to the District:

1. The currently unoccupied school facilities, known as Cook Elementary, Mills Elementary, Parkdale Elementary, and Franklin Center, should be slated for demolition. The improvements needed to return them to future school use are cost prohibitive. We also took into consideration the District's future enrollment projections, and believe that the cost to maintain these vacant facilities outweighs the possibility of reuse.
2. Given the age and condition of Carpenter Elementary and Eastlawn Elementary Schools, along with their proximity to one another, we have made the recommendation that a new elementary school be constructed on the old Central Middle School site to serve as a facility to house the student population for these two schools. In working with Barton Malow Company, we believe that the construction of a new elementary school is a more cost effective and prudent option than investing the money to bring Carpenter and Eastlawn up to current standards. It is our recommendation that Carpenter be reserved for other use, and that Eastlawn be slated for demolition.

Should you have any questions regarding this matter, please feel free to contact me.

Sincerely,

Dale C. Jerome, AIA, CEFP
President



architects planners interiors

1600 Parkdale
Rochester, MI
48307
T 248.656.1377
F 248.656.7746

October 2, 2014

Ms. Carol Densmore
Michigan Department of Treasury
School Bond Qualifications and Loan Program
PO Box 15128
Lansing, Michigan 48901

Re: Midland Public Schools – Application for Preliminary Qualification of Bonds
Opinion Regarding Cost Estimates

Dear Carol,

The cost estimates of the facility assessment for the Midland Public Schools project were prepared by Barton Malow Company. As the architect for the project, we have worked collaboratively on the formation of the project scope with the construction manager throughout its development. I am confident the estimate for the Bond Application is complete and accurate.

Should you have any questions regarding this matter, please feel free to contact me.

Sincerely,



Dale C. Jerome, AIA, CEFPP
President

3881, Worksheet 1: Useful Life Calculation SERIES 1

A school district must demonstrate that the weighted average maturity of the qualified bond issue does not exceed 120% of the average reasonably expected useful life of the facilities, excluding land and site improvements, being financed with the proceeds of the qualified bonds.

The following table lists the recommended average useful life of the categories of assets that should be considered in this calculation. If a specific item is not listed, it should be assigned to the most closely related category.

Asset Category	Useful Life Years
New School Building	40
Building Improvements - interior and exterior remodeling such as plumbing, electrical, HVAC, fire suppression, security systems, elevators, etc.	30
Roofing	20
Flooring	10
Furnishings and Equipment - furniture and fixtures that are not a structural component of a building such as desks, chairs, tables, storage units, office equipment, copiers, fax machines, communications equipment, kitchen equipment and appliances, athletic equipment, etc.	10
Technology Infrastructure - cables, networks, etc.	10
Buses	6
Technology (instructional and non-instructional) - computers, printers, scanners, etc.	5

Use the worksheet below to calculate the weighted average useful life of assets included in projects funded by bond proceeds.

Follow Column Instructions								
	→	Enter Value	Col. 1 + Col. 2	Enter Value	Enter Value	Col. 4 + Col. 5	Col. 6 ÷ Col. 6 Total	Col. 3 x Col. 7
	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
Asset Type	Average Useful Life of Asset (in Years)	Time between Bonds Issue Date and Purchase	Useful Life of Asset from Bond Issue Date	Expenditure Amount	Allocation of Related Professional Fees	Total Costs (Incl. Related Fees)	% of Total Cost	Average Useful Life of Assets (in years)
School Buildings	40	0	40	22,541,800	5,635,450	28,177,250	40.96%	16.38
Building Improvements	30	0	30	16,069,300	4,017,325	20,086,625	29.20%	8.76
Roofing	20	0	20	941,000	235,250	1,176,250	1.71%	0.34
Flooring	10	0	10	714,700	178,675	893,375	1.30%	0.13
Furnishing/ Equipment	10	0	10	448,100	53,772	501,872	0.73%	0.07
Technology Infrastructure	10	0	10	2,355,313	588,828	2,944,142	4.28%	0.43
Technology (instr/non-instr)	5	0	5	10,559,880	2,639,970	13,199,849	19.19%	0.96
Buses	6	0	6	1,615,000	193,800	1,808,800	2.63%	0.16
Total for purposes of determining weighted avg useful life				55,245,093	13,543,070	68,788,163	100.00%	27.24

120% of average useful life of assets

→

32.68

3881, Worksheet 1: Useful Life Calculation SERIES 2

A school district must demonstrate that the weighted average maturity of the qualified bond issue does not exceed 120% of the average reasonably expected useful life of the facilities, excluding land and site improvements, being financed with the proceeds of the qualified bonds.

The following table lists the recommended average useful life of the categories of assets that should be considered in this calculation. If a specific item is not listed, it should be assigned to the most closely related category.

Asset Category	Useful Life Years
New School Building	40
Building Improvements - interior and exterior remodeling such as plumbing, electrical, HVAC, fire suppression, security systems, elevators, etc.	30
Roofing	20
Flooring	10
Furnishings and Equipment - furniture and fixtures that are not a structural component of a building such as desks, chairs, tables, storage units, office equipment, copiers, fax machines, communications equipment, kitchen equipment and appliances, athletic equipment, etc.	10
Technology Infrastructure - cables, networks, etc.	10
Buses	6
Technology (instructional and non-instructional) - computers, printers, scanners, etc.	5

Use the worksheet below to calculate the weighted average useful life of assets included in projects funded by bond proceeds.

Follow Column Instructions								
	→	Enter Value	Col. 1 + Col. 2	Enter Value	Enter Value	Col. 4 + Col. 5	Col. 6 ÷ Col. 6 Total	Col. 3 x Col. 7
	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
Asset Type	Average Useful Life of Asset (in Years)	Time between Bonds Issue Date and Purchase	Useful Life of Asset from Bond Issue Date	Expenditure Amount	Allocation of Related Professional Fees	Total Costs (Incl. Related Fees)	% of Total Cost	Average Useful Life of Assets (in years)
School Buildings	40	0	40	0	0	0	0.00%	0.00
Building Improvements	30	0	30	13,262,300	3,315,575	16,577,875	52.45%	15.73
Roofing	20	0	20	90,000	22,500	112,500	0.36%	0.07
Flooring	10	0	10	297,600	74,400	372,000	1.18%	0.12
Furnishing/ Equipment	10	0	10	2,104,500	252,540	2,357,040	7.46%	0.75
Technology Infrastructure	10	0	10	3,087,680	771,920	3,859,600	12.21%	1.22
Technology (instr/non-instr)	5	0	5	6,279,917	941,988	7,221,905	22.85%	1.14
Buses	6	0	6	990,000	118,800	1,108,800	3.51%	0.21
Total for purposes of determining weighted avg useful life				26,111,997	5,497,723	31,609,720	100.00%	19.24

120% of average useful life of assets

→

23.09

3881, Worksheet 1: Useful Life Calculation SERIES 3

A school district must demonstrate that the weighted average maturity of the qualified bond issue does not exceed 120% of the average reasonably expected useful life of the facilities, excluding land and site improvements, being financed with the proceeds of the qualified bonds.

The following table lists the recommended average useful life of the categories of assets that should be considered in this calculation. If a specific item is not listed, it should be assigned to the most closely related category.

Asset Category	Useful Life Years
New School Building	40
Building Improvements - interior and exterior remodeling such as plumbing, electrical, HVAC, fire suppression, security systems, elevators, etc.	30
Roofing	20
Flooring	10
Furnishings and Equipment - furniture and fixtures that are not a structural component of a building such as desks, chairs, tables, storage units, office equipment, copiers, fax machines, communications equipment, kitchen equipment and appliances, athletic equipment, etc.	10
Technology Infrastructure - cables, networks, etc.	10
Buses	6
Technology (instructional and non-instructional) - computers, printers, scanners, etc.	5

Use the worksheet below to calculate the weighted average useful life of assets included in projects funded by bond proceeds.

Follow Column Instructions								
	→	Enter Value	Col. 1 + Col. 2	Enter Value	Enter Value	Col. 4 + Col. 5	Col. 6 ÷ Col. 6 Total	Col. 3 x Col. 7
	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
Asset Type	Average Useful Life of Asset (in Years)	Time between Bonds Issue Date and Purchase	Useful Life of Asset from Bond Issue Date	Expenditure Amount	Allocation of Related Professional Fees	Total Costs (Incl. Related Fees)	% of Total Cost	Average Useful Life of Assets (in years)
School Buildings	40	0	40	0	0	0	0.00%	0.00
Building Improvements	30	0	30	0	0	0	0.00%	0.00
Roofing	20	0	20	0	0	0	0.00%	0.00
Flooring	10	0	10	0	0	0	0.00%	0.00
Furnishing/ Equipment	10	0	10	0	0	0	0.00%	0.00
Technology Infrastructure	10	0	10	27,000	6,750	33,750	0.42%	0.04
Technology (instr/non-instr)	5	0	5	4,826,191	482,619	5,308,810	65.47%	3.27
Buses	6	0	6	2,470,000	296,400	2,766,400	34.12%	2.05
Total for purposes of determining weighted avg useful life				7,323,191	785,769	8,108,960	100.00%	5.36

3881, Worksheet 1: Useful Life Calculation

SERIES 1-3

A school district must demonstrate that the weighted average maturity of the qualified bond issue does not exceed 120% of the average reasonably expected useful life of the facilities, excluding land and site improvements, being financed with the proceeds of the qualified bonds.

The following table lists the recommended average useful life of the categories of assets that should be considered in this calculation. If a specific item is not listed, it should be assigned to the most closely related category.

Asset Category	Useful Life Years
New School Building	40
Building Improvements - interior and exterior remodeling such as plumbing, electrical, HVAC, fire suppression, security systems, elevators, etc.	30
Roofing	20
Flooring	10
Furnishings and Equipment - furniture and fixtures that are not a structural component of a building such as desks, chairs, tables, storage units, office equipment, copiers, fax machines, communications equipment, kitchen equipment and appliances, athletic equipment, etc.	10
Technology Infrastructure - cables, networks, etc.	10
Buses	6
Technology (instructional and non-instructional) - computers, printers, scanners, etc.	5

Use the worksheet below to calculate the weighted average useful life of assets included in projects funded by bond proceeds.

Follow Column Instructions								
	→	Enter Value	Col. 1 + Col. 2	Enter Value	Enter Value	Col. 4 + Col. 5	Col. 6 ÷ Col. 6 Total	Col. 3 x Col. 7
	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
Asset Type	Average Useful Life of Asset (in Years)	Time between Bonds Issue Date and Purchase	Useful Life of Asset from Bond Issue Date	Expenditure Amount	Allocation of Related Professional Fees	Total Costs (Incl. Related Fees)	% of Total Cost	Average Useful Life of Assets (in years)
School Buildings	40	0	40	22,541,800	5,635,450	28,177,250	25.97%	10.39
Building Improvements	30	0	30	29,331,600	7,332,900	36,664,500	33.79%	10.14
Roofing	20	0	20	1,031,000	257,750	1,288,750	1.19%	0.24
Flooring	10	0	10	1,012,300	253,075	1,265,375	1.17%	0.12
Furnishing/ Equipment	10	0	10	2,552,600	306,312	2,858,912	2.63%	0.26
Technology Infrastructure	10	0	10	5,469,993	1,367,498	6,837,492	6.30%	0.63
Technology (instr/non-instr)	5	0	5	21,665,988	4,064,577	25,730,564	23.71%	1.19
Buses	6	0	6	5,075,000	609,000	5,684,000	5.24%	0.31
Total for purposes of determining weighted avg useful life				88,680,281	19,826,562	108,506,843	100.00%	23.27

PQ Meeting Sign In Sheet

School District Midland
Date 10-15-14

Name	Affiliation	E-Mail
Carol Densmore	Department of Treasury	densmorec@michigan.gov
Michael Sharrow	MPS	sharrowme@midlandps.org
Angela Zandstad	MPS	KURTANLE@SBCCLCBAL.NE
Robert Cooper	MPS	cooper rg @ midlandps.org
DICK BARCH	STAUDER BARCH & ASSOC	DICKO STAUDERBARCH.COM
DALE JEROME	FRENCH ASSOCIATES	dalej@frenchaia.com
Christopher Iammarino	Thorn Law Firm	Ciamarino@thornlaw.com
JEFF ATKINS	BARTON MALOW Co.	JEFF.ATKINS@BARTONMALOW.COM