

**LIVONIA PUBLIC SCHOOLS
BOARD OF EDUCATION**

**Committee of the Whole Meeting
June 16, 2025 - 6:30 PM
Board Room
15125 Farmington Road
Livonia, Michigan 48154**

AGENDA

- I. AUDIENCE COMMUNICATIONS**
- II. COMMITTEE OF THE WHOLE**
Bradford, Chair; Acosta; Bradford; Burton; Frank; Jarvis; Johnson;
MacFarland
 - A. Proposed BOE Meeting Schedule 2025-2026** **3**
A. Oquist, K. Bradford
- III. FINANCE COMMITTEE**
Johnson, Chair; Acosta; Jarvis
 - A. Budget 2024-2025 and 2025-2026** **4**
A. Smith
- IV. CURRICULUM COMMITTEE**
Acosta, Chair; Frank; MacFarland
 - A. Technology Purchase for Act 18 Program** **25**
M. Sprow
 - B. Purchase of Humanities Textbook** **28**
T. O'Brien
 - C. Purchase of AP Microeconomics Textbook** **33**
T. O'Brien
 - D. Purchase of AP Macroeconomics Textbook** **39**
T. O'Brien
- V. BUILDING & SITE COMMITTEE**
Burton, Chair; Johnson; MacFarland
 - A. LECC Parking Lot Light Installation** **45**
P. Francis
 - B. Furniture Purchase for Churchill High School - 2021** **52**
Bond
P. Francis
 - C. Food Service Purchase 2025-2026** **86**
P. Francis
 - D. Purchase of High School Athletic Sound Systems** **90**
P. Francis
- VI. POLICY COMMITTEE**
Frank, Chair; Burton; Jarvis
- VII. PERSONNEL COMMITTEE**
MacFarland, Chair; Burton; Johnson
 - A. Authorization to Accept Resignations** **165**
A. Abbate, J. Keatts

B. Authorization to Recall Teachers

166

A. Abbate, J. Keatts

VIII. LEGISLATIVE COMMITTEE

Jarvis, Chair; Acosta; Frank



2025-2026 Board of Education Meetings

15125 Farmington Rd., Livonia, MI / 734-744-2510

*Meetings scheduled on Mondays except where noted.

*Meetings may be added during the year noted in **in red**.

*Meeting changes will be noted **in red**.

STUDY SESSIONS/ WORKSHOPS 5:30 P.M. (Except where noted)	COMMITTEE MEETINGS 6:30 P.M. (Except where noted)	REGULAR BOARD MEETINGS 6:30 PM (Except where noted)
		July 21, 2025 (Annual organizational mtg.)
August 11, 2025 (*COW to follow)	August 11, 2025	August 18, 2025
September 8, 2025 Study	September 15, 2025	September 22, 2025
October 6, 2025 Study	October 13, 2025	October 20, 2025
November 3, 2025 Study	November 10, 2025	November 17, 2025
December 1, 2025 Study	December 8, 2025	December 15, 2025
January 12, 2026 Study	January 20, 2026 (*note – Tuesday)	January 26, 2026
February 2, 2026 Study	February 9, 2026	February 23, 2026
Workshop March 2, 2026	March 16, 2026	March 23, 2026
March 9, 2026 Study		
April 13, 2026 Study	April 20, 2026	April 27, 2026
May 4, 2026 Study	May 11, 2026	May 18, 2026
June 8, 2026 Study	June 15, 2026	June 22, 2026
		*Public Hearing June 22 @ 6:15 pm

DRAFT 2025-2026 BOE Meeting Calendar 3
 Note: Most recent changes are shown in red.



Livonia Public Schools

Finance Office

Date: June 12, 2025

To: Andrea Oquist, Superintendent

From: Alison Smith, Chief Financial Officer

Re: Budget Update

I would like to continue discussions surrounding a final budget amendment for the 2024-2025 school year and a proposed budget for the 2025-2026 school year with the Board of Education at the Finance Committee meeting on June 16, 2025. I will update the Board on our continued budget progress and share the most current information we have gathered since we last discussed the budgets.

I will present the Board with a recommended final budget amendment for the 2024-2025 school year that includes adjustments to both the revenues and expenditures. I will also present a recommendation for a proposed budget for the 2025-2026 school year. I look forward to dialogue with the board members and hearing their recommendations. Thank you.

c: Board of Education



Livonia Public Schools

2024-25 Final Amended General Fund & District Budgets

June 2025

**RESOLUTION FOR BUDGET ADOPTION
BY THE BOARD OF EDUCATION
LIVONIA PUBLIC SCHOOLS**

RESOLVED, that the general appropriation for Livonia Public Schools for revenues for the fiscal year 2024-25 General Fund be amended as follows:

	2023-24 Actual	2024-25 Proposed	2024-25 First Amended	2024-25 Final Amended
Revenue				
Local	47,560,188	49,672,774	50,172,774	49,322,263
State	134,830,470	123,518,185	130,569,201	131,606,786
Federal	58,785	58,785	58,785	93,071
Other Financing Sources	2,558,948	2,400,000	2,400,000	2,300,000
Total Revenue	\$185,008,391	\$175,649,744	\$183,200,760	\$183,322,120
Fiscal Year Beginning Fund Balance	\$31,542,113	\$31,710,235	\$33,345,115	\$33,345,115
Revenue Plus Beginning Fund Balance (Total Available to Appropriate)	\$216,550,504	\$207,359,979	\$216,545,875	\$216,667,235

RESOLUTION FOR BUDGET ADOPTION BY THE BOARD OF EDUCATION LIVONIA PUBLIC SCHOOLS

RESOLVED, that the general appropriation for Livonia Public Schools for expenditures for the fiscal year 2024-25 General Fund be amended as follows:

	2023-24 Actual	2024-25 Proposed	2024-25 First Amended	2024-25 Final Amended
Expenditures				
Instruction				
Basic Programs	89,813,844	86,197,364	91,064,811	89,460,295
Added Needs	17,211,012	16,809,673	17,169,541	17,716,122
Total Instruction	\$107,024,857	\$103,007,037	\$108,234,352	\$107,176,417
Support Services				
Pupil Support	8,967,556	10,221,549	10,942,444	11,466,878
Instructional Staff Support	8,834,121	8,472,690	9,191,047	8,912,470
General Administration	904,537	985,999	993,429	970,139
School Administration	12,073,388	11,641,112	11,727,909	11,635,933
Business Services	2,329,715	2,005,815	1,908,676	1,853,556
Operations and Maintenance	21,201,342	20,099,747	21,000,648	21,556,491
Transportation	9,295,938	9,036,151	9,088,651	9,411,594
Other Central Support	5,755,273	5,526,820	5,860,248	6,863,782
Athletics	2,233,729	2,630,293	2,638,619	2,791,803
Total Support Services	\$71,595,599	\$70,620,176	\$73,351,671	\$75,462,646
Community Services	\$3,084,933	\$2,952,783	\$3,031,821	\$2,983,668
Other Financing Uses	\$1,500,000	\$500,000	\$1,000,000	\$1,000,000
Total Expenditures	\$183,205,388	\$177,079,996	\$185,617,844	\$186,622,731
Ending Fund Balance = Total Available to Appropriate less Total Expenditures	\$33,345,116	\$30,279,983	\$30,928,031	\$30,044,504
Fund Balance as a Percentage of Total Expenditures	18.2%	17.1%	16.7%	16.1%

The majority of the increase in expenditures from \$177,079,996 to \$185,617,844 from the Proposed Budget to the First Amended Budget is attributable to higher retirement-related costs. Two key factors contribute to this increase. First, while the State of Michigan indicated a reduction in retirement costs was forthcoming for the 2024-25 school year, the State did not lower the retirement rate charged to payroll. Instead, the State provided additional revenue to offset retirement costs. Second, Livonia Public Schools received an increased allocation of Section 147c flowthrough funds. These funds are provided by the State and must be forwarded directly to the Office of Retirement Services, resulting in a corresponding increase in both revenue and expenditures.

FUNDED PROJECTS FUND

* The Funded Projects Fund is reported in the General Fund on the Comprehensive Annual Financial Report submitted to the State.

	2023-24 Actual	2024-25 Proposed	2024-25 First Amended	2024-25 Final Amended
Beginning Fund Balance	\$0	\$0	\$0	\$0
Revenues				
Local	232,305	54,542	246,697	372,141
State	11,899,172	13,543,353	11,949,102	13,451,823
Federal	12,968,730	7,859,629	6,417,276	7,606,012
Total Revenue	\$25,100,207	\$21,457,524	\$18,613,075	\$21,429,976
Expenditures				
Instructional	14,905,403	14,622,023	12,917,803	13,481,065
Support	9,314,659	6,447,006	5,397,451	7,620,519
Community Services	501,409	127,597	86,287	104,650
Other Financing Uses	378,736	260,898	211,534	223,742
Total Expenditures	\$25,100,207	\$21,457,524	\$18,613,075	\$21,429,976
Ending Fund Balance	\$0	\$0	\$0	\$0
Revenue Detail				
Local Sources				
LPS Education Foundation	49,163	-	50,001	50,001
Miscellaneous Local Sources	183,142	54,542	196,696	322,140
Total Local Sources	\$232,305	\$54,542	246,697	372,141
State Sources				
MI Future Educator Stipend	38,400	-	19,200	57,600
Section 23g MI Kids Back on Track	621,480	878,707	807,428	807,428
Section 23h Mathematics	-	-	-	209,821
Section 27k Student Loan Repayment	-	268,800	222,600	222,600
Section 31a At Risk	4,808,673	6,011,819	6,091,891	5,521,622
Section 31aa Per-Pupil Mental Health Grant	2,013,946	2,000,000	1,203,098	1,785,531
Section 32d Great School Readiness	807,002	745,581	782,208	782,208
Section 35a Early Literacy	453,932	309,853	373,634	387,900
Section 35j Literacy Improvement	558,296	1,289,718	381,950	1,322,195
Section 41 Bilingual Education	235,348	232,922	275,821	279,740
Section 54d Early On	553,005	702,200	702,200	702,200
Section 61 Vocational Education	759,918	606,208	521,910	523,193
Section 74b Clean School Bus	-	-	-	170,768
Section 97 Per-Pupil Student Safety	403,941	-	-	-
Section 97d Critical Incident Mapping	38,536	-	-	-
Section 99h FIRST Robotics	29,792	29,792	40,600	26,118
Section 104I Benchmark Assessments	109,150	-	-	126,337
Section 107 Adult Education	467,753	467,753	526,562	526,562
Total State Sources	\$11,899,172	\$13,543,353	\$11,949,102	\$13,451,823
Federal Sources				
ARP Homeless II	13,016	-	-	-
ESSER Grants	2,652,274	-	-	-
Cybersecurity Grant	-	-	-	147,936
Filter First Grant	-	-	-	502,755
IDEA Grants	4,498,823	4,556,981	4,333,606	4,339,942
Section 23 Grants	174,798	-	-	-
Section 11t ESSER Per Pupil Equalization	3,200,430	1,185,288	-	-
Section 98c Learning Loss	19,071	-	-	-
Title I Part A	1,515,965	1,203,742	1,203,742	1,587,755
Title II Part A	296,350	259,706	259,706	328,240
Title III Part A English Learners	55,837	53,289	53,289	82,547
Title III Part A Immigrant Learners	17,988	20,610	-	19,816
Title IV, Part A SSAE	106,426	88,081	88,081	118,169
Vocational Perkins	322,167	283,852	283,852	283,852
WIOA- Adult Basic Education- Instruction	95,586	208,080	195,000	195,000
Total Federal Sources	\$12,968,730	\$7,859,629	\$6,417,276	\$7,606,012

SPECIAL EDUCATION FUND

	2023-24 Actual	2024-25 Proposed	2024-25 First Amended	2024-25 Final Amended
Beginning Fund Balance	\$159,381	\$488,001	\$1,613,659	\$1,613,659
Revenues				
Local	10,742,917	14,908,426	14,908,426	14,908,426
State	10,671,702	10,757,731	10,757,731	10,989,339
Total Revenue	\$21,414,619	\$25,666,157	\$25,666,157	\$25,897,765
Expenditures				
Instructional	10,461,950	14,006,643	14,006,643	13,450,506
Support	7,574,141	9,640,104	9,640,104	9,636,910
Facility Improvements	-	100,000	800,507	1,431,476
Transfers to Other Funds	1,924,250	2,000,000	2,000,000	2,000,000
Total Expenditures	\$19,960,341	\$25,746,747	\$26,447,254	\$26,518,892
Ending Fund Balance	\$1,613,659	\$407,411	\$832,562	\$992,532
Expenditure Detail				
Moderate Cognitive Impairment Program	3,772,770	4,992,765	4,992,765	5,006,065
Visually Impaired Program	1,759,273	2,196,196	2,196,196	2,199,876
Skill Center Program	4,024,279	4,804,866	4,804,866	4,723,781
Autistic Program	8,457,079	11,652,920	11,652,920	11,157,694
Additional Expenditures (3%)	22,690	100,000	800,507	1,431,476
Transfer to Other Funds	1,924,250	2,000,000	2,000,000	2,000,000
Total Expenditures	\$ 19,960,341	\$25,746,747	\$26,447,254	\$26,518,892

DEBT RETIREMENT FUNDS

(RESTRICTED)

	2023-24 Actual	2024-25 Proposed	2024-25 First Amended	2024-25 Final Amended
Beginning Fund Balance	\$3,138,249	(\$206,020)	\$4,145,110	\$354,330
Revenues				
Tax Revenue	23,250,578	22,889,122	23,250,578	24,392,048
Interest Income	431,239	300,000	300,000	300,000
Total Revenue	\$23,681,817	\$23,189,122	\$23,550,578	\$24,692,048
Expenditures				
Bond Redemption	11,805,000	12,170,000	12,170,000	12,170,000
Bond Interest	10,866,082	10,396,372	10,396,372	10,396,372
Other	3,874	62,400	62,400	62,400
Total Expenditures	\$22,674,956	\$22,628,772	\$22,628,772	\$22,628,772
Ending Fund Balance	\$4,145,110	\$354,330	\$5,066,916	\$2,417,606

Expenditure Detail

Bond Redemption

2013 Bond Series 1	1,325,000	-	-	-
2013 Bond Series 2	1,975,000	2,075,000	2,075,000	2,075,000
2014 Refunding Bond	4,125,000	-	-	-
2020 Refunding Bond	1,255,000	6,920,000	6,920,000	6,920,000
2021 Bond Series 1	2,400,000	2,425,000	2,425,000	2,425,000
2021 Bond Series 2	725,000	750,000	750,000	750,000
Bond Redemption- Total	\$11,805,000	\$12,170,000	\$12,170,000	\$12,170,000

Bond Interest

2013 Bond Series 1	66,250	-	-	-
2013 Bond Series 2	3,348,750	3,250,000	3,250,000	3,250,000
2014 Refunding Bond	165,000	-	-	-
2020 Refunding Bond	1,881,622	1,872,322	1,872,322	1,872,322
2021 Bond Series 1	2,329,550	2,209,550	2,209,550	2,209,550
2021 Bond Series 2	3,074,910	3,064,500	3,064,500	3,064,500
Bond Interest- Total	\$10,866,082	\$10,396,372	\$10,396,372	\$10,396,372

2023 BOND (RESTRICTED)

	2023-24 Actual	2024-25 Proposed	2024-25 First Amended	2024-25 Final Amended
Beginning Fund Balance	\$70,339,195	\$20,639,195	\$31,245,567	\$31,245,567
Revenues				
Other Financing Sources	-	-	-	-
Interest Income	3,314,201	500,000	500,000	1,000,000
Total Revenue	<u>\$3,314,201</u>	<u>\$500,000</u>	<u>\$500,000</u>	<u>\$1,000,000</u>
Expenditures				
Facility Improvements	41,307,722	20,139,195	30,745,567	31,245,567
Other	1,100,107	1,000,000	1,000,000	1,000,000
	<u>\$42,407,829</u>	<u>\$21,139,195</u>	<u>\$31,745,567</u>	<u>\$32,245,567</u>
Ending Fund Balance	\$31,245,567	\$0	\$0	\$0

2025 BOND (RESTRICTED)

	2023-24 Actual	2024-25 Proposed	2024-25 First Amended	2024-25 Final Amended
Beginning Fund Balance	\$0	\$0	\$0	\$0
Revenues				
Other Financing Sources	-	-	-	38,194,626
Interest Income	-	-	-	20,000
Total Revenue	<u>-</u>	<u>-</u>	<u>-</u>	<u>\$38,214,626</u>
Expenditures				
Facility Improvements	-	-	-	5,000,000
Other	-	-	-	500,000
	<u>-</u>	<u>-</u>	<u>-</u>	<u>\$5,500,000</u>
Ending Fund Balance	\$0	\$0	\$0	\$32,714,626

SINKING FUND

(RESTRICTED)

	2023-24 Actual	2024-25 Proposed	2024-25 First Amended	2024-25 Final Amended
BEGINNING FUND BALANCE	\$5,048,784	\$3,448,784	\$8,188,673	\$8,188,673
REVENUES				
Local	9,190,720	9,300,000	9,300,000	9,400,000
State	-	-	-	240,845
Total Revenue	\$9,190,720	\$9,300,000	\$9,300,000	\$9,640,845
EXPENDITURES				
Facility Improvements	6,047,616	10,000,000	10,000,000	10,000,000
Other	3,214	600,000	600,000	600,000
	\$6,050,830	\$10,600,000	\$10,600,000	\$10,600,000
ENDING FUND BALANCE	\$8,188,673	\$2,148,784	\$6,888,673	\$7,229,518

CAPITAL PROJECTS FUND

	2023-24 Actual	2024-25 Proposed	2024-25 First Amended	2024-25 Final Amended
BEGINNING FUND BALANCE	\$4,050,921	\$3,200,920	\$4,948,428	\$4,948,428
REVENUES				
Proceeds from Sale of Property	652,335	-	-	98,944
Transfer from Other Funds	1,640,336	500,000	1,000,000	1,000,000
Total Revenue	\$2,292,671	\$500,000	\$1,000,000	\$1,098,944
EXPENDITURES				
Facility Improvements	1,395,163	2,000,000	3,500,000	3,500,000
Other	-	-	-	-
Total Expenditures	\$1,395,163	\$2,000,000	\$3,500,000	\$3,500,000
ENDING FUND BALANCE	\$4,948,428	\$1,700,920	\$2,448,428	\$2,547,372

FOOD SERVICE FUND

(RESTRICTED)

	2023-24 Actual	2024-25 Proposed	2024-25 First Amended	2024-25 Final Amended
Beginning Fund Balance	\$996,782	\$668,633	\$1,541,291	\$1,541,291
Revenues				
Local Sales	364,669	364,821	364,821	254,523
State Reimbursement	2,615,984	2,778,935	2,778,935	2,752,914
Federal Reimbursement	3,425,535	3,373,348	3,373,348	3,555,457
Total Revenue	\$6,406,188	\$6,517,104	\$6,517,104	\$6,562,894
Expenditures				
Support Services	5,561,679	6,345,815	6,345,815	6,868,203
Transfers to Other Funds	300,000	300,000	300,000	300,000
Total Expenditures	\$5,861,679	\$6,645,815	\$6,645,815	\$7,168,203
Ending Fund Balance	\$1,541,291	\$539,922	\$1,412,580	\$935,982

HEALTH & WELFARE FUND

	2023-24 Actual	2024-25 Proposed	2024-25 First Amended	2024-25 Final Amended
Beginning Fund Balance	\$93,844	\$382,589	\$475,694	\$475,694
Revenues				
Employee Contributions	3,155,047	4,100,000	4,100,000	3,371,467
Transfer From Other Funds	20,129,550	21,915,287	21,915,287	19,759,319
Total Revenue	\$23,284,597	\$26,015,287	\$26,015,287	\$23,130,786
Expenditures				
Premiums/Claims/Fees	\$22,902,746	\$26,029,569	\$26,029,569	\$23,405,909
Ending Fund Balance	\$475,694	\$368,307	\$461,413	\$200,571

SCHOLARSHIP FUND (RESTRICTED)

	2023-24 Actual	2024-25 Proposed	2024-25 First Amended	2024-25 Final Amended
Beginning Fund Balance	\$46,417	\$34,417	\$42,913	\$42,913
Revenues				
Local- Donations	\$8,596	\$10,000	\$10,000	\$8,100
Expenditures				
Scholarships	\$12,100	\$10,000	\$10,000	\$10,000
Ending Fund Balance	\$42,913	\$34,417	\$42,913	\$41,013

SCHOOL ACTIVITIES FUND (RESTRICTED)

	2023-24 Actual	2024-25 Proposed	2024-25 First Amended	2024-25 Final Amended
Beginning Fund Balance	\$1,781,389	\$1,766,885	\$1,795,895	\$1,795,895
Revenue- School Deposits	\$2,977,227	\$3,000,000	\$3,000,000	\$3,000,000
Expenditures- School Activities	\$2,962,721	\$3,000,000	\$3,000,000	\$3,000,000
Ending Fund Balance	\$1,795,895	\$1,766,885	\$1,795,895	\$1,795,895



Livonia Public Schools

2025-26 Proposed General Fund & District Budgets

June 2025

RESOLUTION FOR BUDGET ADOPTION BY THE BOARD OF EDUCATION LIVONIA PUBLIC SCHOOLS

RESOLVED, that the general appropriation for Livonia Public Schools for revenues for the fiscal year 2025-26 General Fund be adopted as follows:

	2024-25 Final Amended	2025-26 Proposed
Revenue		
Local	49,322,263	50,572,263
State	131,606,786	135,510,342
Federal	93,071	93,071
Other Financing Sources	2,300,000	2,300,000
Total Revenue	\$183,322,120	\$188,475,676
Fiscal Year Beginning Fund Balance	\$33,345,115	\$31,044,504
Revenue Plus Beginning Fund Balance (Total Available to Appropriate)	\$216,667,235	\$219,520,180

RESOLUTION FOR BUDGET ADOPTION BY THE BOARD OF EDUCATION LIVONIA PUBLIC SCHOOLS

RESOLVED, that the general appropriation for Livonia Public Schools for expenditures for the fiscal year 2025-26 General Fund be adopted as follows:

	2024-25 Final Amended	2025-26 Proposed
Expenditures		
Instruction		
Basic Programs	89,460,295	92,776,349
Added Needs	17,716,122	17,800,767
Total Instruction	\$107,176,417	\$110,577,116
Support Services		
Pupil Support	11,466,878	11,625,768
Instructional Staff Support	8,912,470	9,321,519
General Administration	970,139	1,019,747
School Administration	11,635,933	13,001,747
Business Services	1,853,556	1,975,296
Operations and Maintenance	21,556,491	20,970,988
Transportation	9,411,594	9,663,896
Other Central Support	6,863,782	6,196,790
Athletics	2,791,803	2,878,396
Total Support Services	\$75,462,646	\$76,654,147
Community Services	\$2,983,668	\$3,208,694
Other Financing Uses	\$1,000,000	\$0
Total Expenditures	\$186,622,731	\$190,439,957
Ending Fund Balance = Total Available to Appropriate less Total Expenditures	\$30,044,504	\$29,080,223
Fund Balance as a Percentage of Total Expenditures	16.1%	15.3%

FUNDED PROJECTS FUND

* The Funded Projects Fund is reported in the General Fund on the Comprehensive Annual Financial Report submitted to the

	2024-25	2025-26
	Final Amended	Proposed
Beginning Fund Balance	\$0	\$0
Revenues		
Local	372,141	441,346
State	13,451,823	10,264,523
Federal	7,606,012	6,769,744
Total Revenue	\$21,429,976	\$17,475,613
Expenditures		
Instructional	13,481,065	12,337,698
Support	7,620,519	4,876,513
Community Services	104,650	110,517
Other Financing Uses	223,742	150,885
Total Expenditures	\$21,429,976	\$17,475,613
Ending Fund Balance	\$0	\$0
Revenue Detail		
Local Sources		
LPS Education Foundation	50,001	-
Miscellaneous Local Sources	322,140	441,346
Total Local Sources	372,141	441,346
State Sources		
MI Future Educator Stipend	57,600	-
Section 23g MI Kids Back on Track	807,428	-
Section 23h Mathematics	209,821	-
Section 27k Student Loan Repayment	222,600	
Section 31a At Risk	5,521,622	5,742,505
Section 31aa Per-Pupil Mental Health Grant	1,785,531	800,101
Section 32d Great School Readiness	782,208	782,208
Section 35a Early Literacy	387,900	317,900
Section 35j Literacy Improvement	1,322,195	523,021
Section 41 Bilingual Education	279,740	279,740
Section 54d Early On	702,200	740,375
Section 61 Vocational Education	523,193	514,820
Section 74b Clean School Bus	170,768	-
Section 99h FIRST Robotics	26,118	22,494
Section 104I Benchmark Assessments	126,337	14,797
Section 107 Adult Education	526,562	526,562
Total State Sources	\$13,451,823	\$10,264,523
Federal Sources		
ARP Homeless II	-	-
ESSER Grants	-	-
Cybersecurity Grant	147,936	-
Filter First Grant	502,755	462,755
IDEA Grants	4,339,942	4,203,503
Title I Part A	1,587,755	1,203,742
Title II Part A	328,240	259,706
Title III Part A English Learners	82,547	53,289
Title III Part A Immigrant Learners	19,816	19,816
Title IV, Part A SSAE	118,169	88,081
Vocational Perkins	283,852	283,852
WIOA- Adult Basic Education- Instruction	195,000	195,000
Total Federal Sources	\$7,606,012	\$6,769,744

SPECIAL EDUCATION FUND

	2024-25 Final Amended	2025-2026 Proposed
Beginning Fund Balance	\$1,613,659	\$992,532
Revenues		
Local	14,908,426	16,250,184
State	10,989,339	11,102,339
Total Revenue	\$25,897,765	\$27,352,523
Expenditures		
Instructional	13,450,506	14,618,717
Support	9,636,910	9,557,662
Facility Improvements	1,431,476	1,277,889
Transfers to Other Funds	2,000,000	2,000,000
Total Expenditures	\$26,518,892	\$27,454,268
Ending Fund Balance	\$992,532	\$890,788
Expenditure Detail		
Moderate Cognitive Impairment Program	5,006,065	5,070,527
Visually Impaired Program	2,199,876	2,158,682
Skill Center Program	4,723,781	4,402,458
Autistic Program	11,157,694	12,544,712
Additional Expenditures (3%)	1,431,476	1,277,889
Transfer to Other Funds	2,000,000	2,000,000
Total Expenditures	\$26,518,892	\$27,454,268

DEBT RETIREMENT FUNDS

(RESTRICTED)

	2024-25 Final Amended	2025-26 Proposed
Beginning Fund Balance	\$354,330	\$2,417,606
Revenues		
Tax Revenue	24,392,048	24,608,653
Interest Income	300,000	300,000
Total Revenue	\$24,692,048	\$24,908,653
Expenditures		
Bond Redemption	12,170,000	15,320,000
Bond Interest	10,396,372	11,770,480
Other	62,400	62,400
Total Expenditures	\$22,628,772	\$27,152,880
 Ending Fund Balance	 \$2,417,606	 \$173,379

Expenditure Detail

Bond Redemption

2013 Bond Series 2	2,075,000	2,175,000
2020 Refunding Bond	6,920,000	4,285,000
2021 Bond Series 1	2,425,000	2,760,000
2021 Bond Series 2	750,000	1,655,000
2021 Bond Series 3	-	4,445,000

Bond Redemption- Total	\$12,170,000	15,320,000
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Bond Interest

2013 Bond Series 2	3,250,000	3,146,250
2020 Refunding Bond	1,872,322	1,812,048
2021 Bond Series 1	2,209,550	2,112,550
2021 Bond Series 2	3,064,500	3,027,000

Bond Interest- Total	\$10,396,372	\$11,770,480
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2023 BOND (RESTRICTED)

	2024-25 Final Amended	2025-26 Proposed
Beginning Fund Balance	\$31,245,567	\$0
Revenues		
Other Financing Sources	-	-
Interest Income	1,000,000	-
Total Revenue	\$1,000,000	\$0
Expenditures		
Facility Improvements	31,245,567	-
Other	1,000,000	-
	\$32,245,567	\$0
 Ending Fund Balance	 \$0	 \$0

2025 BOND (RESTRICTED)

	2024-25 Final Amended	2025-26 Proposed
Beginning Fund Balance	\$0	\$32,714,626
Revenues		
Other Financing Sources	38,194,626	-
Interest Income	20,000	240,000
Total Revenue	\$38,214,626	\$240,000
Expenditures		
Facility Improvements	5,000,000	20,000,000
Other	500,000	1,000,000
	\$5,500,000	\$21,000,000
 Ending Fund Balance	 \$32,714,626	 \$11,954,626

SINKING FUND

(RESTRICTED)

	2024-25 Final Amended	2025-26 Proposed
BEGINNING FUND BALANCE	\$8,188,673	\$7,229,518
REVENUES		
Local	9,400,000	9,700,000
State	240,845	200,000
Total Revenue	\$9,640,845	\$9,900,000
EXPENDITURES		
Facility Improvements	10,000,000	10,000,000
Other	600,000	600,000
	\$10,600,000	\$10,600,000
ENDING FUND BALANCE	\$7,229,518	\$6,529,518

CAPITAL PROJECTS FUND

	2024-25 Final Amended	2025-26 Proposed
BEGINNING FUND BALANCE	\$4,948,428	\$2,547,372
REVENUES		
Proceeds from Sale of Property	98,944	100,000
Transfer from Other Funds	1,000,000	-
Total Revenue	\$1,098,944	\$100,000
EXPENDITURES		
Facility Improvements	3,500,000	2,547,372
Other	-	-
Total Expenditures	\$3,500,000	\$2,547,372
ENDING FUND BALANCE	\$2,547,372	\$100,000

FOOD SERVICE FUND

(RESTRICTED)

	2024-25 Final Amended	2025-26 Proposed
Beginning Fund Balance	\$1,541,291	\$935,982
Revenues		
Local Sales	254,523	254,523
State Reimbursement	2,752,914	2,752,914
Federal Reimbursement	3,555,457	3,555,457
Total Revenue	\$6,562,894	\$6,562,894
Expenditures		
Support Services	6,868,203	6,868,203
Transfers to Other Funds	300,000	300,000
Total Expenditures	\$7,168,203	\$7,168,203
Ending Fund Balance	\$935,982	\$330,673

HEALTH & WELFARE FUND

	2024-25 Final Amended	2025-26 Proposed
Beginning Fund Balance	\$475,694	\$200,571
Revenues		
Employee Contributions	3,371,467	3,500,000
Transfer From Other Funds	19,759,319	20,000,000
Total Revenue	\$23,130,786	\$23,500,000
Expenditures		
Premiums/Claims/Fees	\$23,405,909	\$23,500,000
Ending Fund Balance	\$200,571	\$200,571

SCHOLARSHIP FUND

(RESTRICTED)

	2024-25 Final Amended	2025-26 Proposed
Beginning Fund Balance	\$42,913	\$42,913
Revenues		
Local- Donations	\$8,100	\$10,000
Expenditures		
Scholarships	\$10,000	\$10,000
Ending Fund Balance	\$41,013	\$42,913

SCHOOL ACTIVITIES FUND

(RESTRICTED)

	2024-25 Final Amended	2025-26 Proposed
Beginning Fund Balance	\$1,795,895	\$1,795,895
Revenue- School Deposits	\$3,000,000	\$3,300,000
Expenditures- School Activities	\$3,000,000	\$3,300,000
Ending Fund Balance	\$1,795,895	\$1,795,895



Livonia Public Schools

Student Services

Date: June 13, 2025

To: Andrea Oquist, Superintendent

From: Maegan Sprow, Director of Student Services

Re: 2025-2026 Act 18 Capital Outlay Technology

I would like to place on the agenda for the Committee of the Whole meeting on June 16, 2025, a discussion of the Act 18 Capital Outlay Technology purchases for the ASD, WKSKL, MOCI, and VI programs for the 2025-2026 school year.

The total amount of these purchases is \$33,076.76. These purchases are covered under the Act 18 2025-2026 budgets.

c: Board of Education



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ACCOUNT MANAGER NOTES: Please inspect all product within 15 days of delivery. CDW has a strict 15 day return policy for anything damaged, and a 30 day return policy on standard product.

Thank you!

Wes
877.874.9063

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
PLSM583	6/6/2025	PCS	1271134	\$33,076.76

QUOTE DETAILS

ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
<u>HP ProBook 440 G11 14" Notebook - WUXGA - Intel Core Ultra 5 125U - 16 GB -</u> Mfg. Part#: A1LC2UT#ABA Contract: REMC Computers 2025 (REMC COMP 2025)	28	7903355	\$1,052.69	\$29,475.32
<u>Acer Chromebook 315 CB315-5HT - 15.6" - Intel N-series - N100 - 4 GB RAM -</u> Mfg. Part#: NX.KRMAA.001 Contract: REMC Computers 2025 (REMC COMP 2025)	8	7572481	\$420.68	\$3,365.44
<u>Google Chrome Education Upgrade</u> Mfg. Part#: CROS-SW-DIS-EDU-NEW Electronic distribution - NO MEDIA Contract: REMC Computers 2025 (REMC COMP 2025)	8	5988499	\$29.50	\$236.00

MDCI-9
ASD-14
WKSX-5
VI-8
VI-8

	SUBTOTAL	\$33,076.76
	SHIPPING	\$0.00
	SALES TAX	\$0.00
	GRAND TOTAL	\$33,076.76

PURCHASER BILLING INFO

Billing Address:
LIVONIA PUBLIC SCHOOLS
ACCTS PAYABLE
15125 FARMINGTON RD
LIVONIA, MI 48154-5474
Phone: (734) 523-9164
Payment Terms: NET 30-VERBAL

DELIVER TO

Shipping Address:
LIVONIA PUBLIC SCHOOLS
15125 FARMINGTON RD
LIVONIA, MI 48154-5474
Phone: (555) 555-5555
Shipping Method: FEDEX Ground

Please remit payments to:

CDW Government
75 Remittance Drive
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Livonia Public Schools

Academic Services

Date: June 16, 2025
To: Andrea Oquist, Superintendent
From: Theresa O'Brien, Chief Academic Officer
Subject: Purchase of Humanities Textbooks

I would like to request to be placed on the Curriculum Committee agenda for the June 16, Board of Education Committee of the Whole meeting with a recommendation to purchase Humanities textbooks for all three high schools from Cengage Learning in Independence, KY for \$73,947.50. This purchase would include a print and digital bundle with access for six years. The funds for this purchase are from the secondary textbook budget which has been supported by the Wayne County Enhancement Milage money.

Thank you for your consideration of this request.

DATE: May 28, 2025

TO: Kristen Quesada, Churchill High School
Andrew Pesci, Franklin High School
Pete Mazzoni, Stevenson High School

FROM: Lindsay Rousseau, 7-12 ELA & Social Studies Curriculum Coordinator

SUBJECT: Textbook Recommendation for the High School Humanities Courses

This memo recommends the adoption of the physical copy and digital platform licenses of *Cultures & Values: A Global View of the Humanities Volume 1 and 2 (Tenth Edition)* by Cengage Publishing for the high school Humanities course. The details below provide more information about the textbook review process and information to support the recommendation for adoption.

Committee Members

Stevenson: Nancy Thursam (Humanities Content Area Leader)

Recommended Materials for Adoption

- *Cultures & Values: A Global View of the Humanities Volume 1 (Tenth Edition)*, Cengage Publishing, Copyright 2026
- *Cultures & Values: A Global View of the Humanities Volume 2 (Tenth Edition)*, Cengage Publishing, Copyright 2026
- *Cultures & Values: A Global View of the Humanities Volume 1 (Tenth Edition)* digital platform licenses/access
- *Cultures & Values: A Global View of the Humanities Volume 2 (Tenth Edition)* digital platform licenses/access

Cost proposal is attached.

Summary of Course(s)

Humanities is a yearlong course offered during 12th grade students, that satisfies the fourth year language arts requirement for attaining a high school diploma from the state of Michigan and Livonia Public Schools. In first semester, students explore human nature and leadership qualities through the study of literature, art, music, architecture, philosophy, theater, science, sculpture, and dance. Beginning with early human cultures and advancing through the 14th century, students will experience the arts through various projects, readings, viewings, and interactions. The second semester of Humanities students will explore human nature and leadership qualities through the study of literature, art, music, architecture, philosophy, theater, science, sculpture, and dance. Beginning with the 15th century and advancing to present day, students will experience the arts through various projects, readings, viewings, and interactions. Throughout this course analytical writing is emphasized, in addition to oral presentations and research.

Overview

The current textbook used in Humanities are *Cultures & Values: A Global View of the Humanities, (7th Edition)* by Cengage Publishing, copyright 2009. Because the current texts were published so long ago, the texts are not aligned to the ELA Common Core State Standards, which were adopted as the state of Michigan ELA standards in 2010. Another issue with the current editions of the texts is that, because of the age of the textbooks, online access is unavailable to teachers and students so updated material has not been available for many years.

Evaluation Process

The committee reached out to all of the publishers that publish high school English Language Arts textbooks and Cengage Publishing is the only publisher who has a textbook for high school use; the other publishers don't publish a Humanities text at all, or they publish Humanities texts for college/university use only and will not sell the textbooks to K-12 school districts. The committee likes the content, format, timeline, and layout of their current Humanities texts, which are an earlier edition of the new textbooks we're requesting to purchase, by Cengage Publishing and therefore are comfortable with moving forward with the newest edition of the textbooks and online resources/materials to use. The updated version of the textbook is now broken into two volumes, one for first semester and one for second semester.

Professional Development Needs

- Online platform training
- Time as a district committee to go through the new materials

For additional information on the adoption recommendation, contact Lindsay Rousseau at x42594.

CC
Theresa O'Brien
Kevin Etue
HS Social Studies Department Chairs

Created Date 5/22/2025
 Expiration Date 10/31/2025

Quote Number 00076201

Prepared By:

Stefanie Morris-Doucette
 stefanie.morris@cengage.com

Presented To:

Lindsay Rousseau
 7346792187
lroussea@livoniapublicschools.org

Bill To:

LIVONIA PUBLIC SCHOOL DISTRICT

Ship To:

LIVONIA PUBLIC SCHOOL DISTRICT
 15125 FARMINGTON RD
 LIVONIA, Michigan 48154
 United States

Product	ISBN	Quantity	Sales Price	Total Price
Cultures and Values: A Global View of the Humanities, Volumes I & II, 10th Edition K12 MindTap (6-year access)	9798214400518	65.00	USD 149.00	USD 9,685.00
K12 Print + Digital Bundle: Cultures and Values: A Global View of the Humanities, Volumes I & II, 10th Student Edition + MindTap 6-year access	9798214400556	210.00	USD 274.00	USD 57,540.00

Subtotal USD 67,225.00
 Total Price USD 67,225.00
 Shipping and Handling USD 6,722.50
 Grand Total USD 73,947.50
 Total Savings USD 0.00

Accept Quote

Order Creation Link <https://cengageorg.my.site.com/Service/s/k12-order?orderId=00076201>

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Additional Information

Comments



Livonia Public Schools

Academic Services

Date: June 16, 2025
To: Andrea Oquist, Superintendent
From: Theresa O'Brien, Chief Academic Officer
Subject: Purchase of Microeconomics Textbooks

I would like to request to be placed on the Curriculum Committee agenda for the June 16, Board of Education Committee of the Whole meeting with a recommendation to purchase AP Microeconomics textbooks for AP classes in the secondary schools from MPS in Gordonsville, VA for \$24,898.34. This purchase would include online teacher resources. The funds for this purchase are from the secondary textbook budget which has been supported by the Wayne County Enhancement Milage money.

Thank you for your consideration of this request.

DATE: June 4, 2025

TO: Kristen Quesada, Churchill High School
Andrew Pesci, Franklin High School
Pete Mazzone, Stevenson High School

FROM: Lindsay Rousseau, 7-12 ELA & Social Studies Curriculum Coordinator

SUBJECT: Textbook Recommendation for the Advanced Placement (AP) Microeconomics and Advanced Placement (AP) Macroeconomics Courses

This memo recommends the adoption of the physical copy and digital platform licenses for *Krugman's Economics for the AP Course, Fourth Edition (BFW Publishers)*, *Strive for a 5: Preparing for the AP Macroeconomics Exam (BFW Publishers)*, and *Strive for a 5: Preparing for the AP Microeconomics Exam (BFW Publishers)* for the Advanced Placement (AP) Microeconomics and Advanced Placement (AP) Macroeconomics courses. The details below provide more information about the adoption process and information to support the recommendation.

Committee Members

Franklin: Pat Koelzer

Stevenson: Rick Mestdagh

Recommended Materials for Adoption

- *Krugman's Economics for the AP Course (Fourth Edition)*, BFW Publishers, Copyright 2023
- *Krugman's Economics for the AP Course (Fourth Edition)*, BFW Publishers digital platform licenses/access
- *Strive for a 5: Preparing for the AP Macroeconomics Exam to accompany Krugman's Economics for the AP Course (Fourth Edition)*, BFW Publishers, Copyright 2023
- *Strive for a 5: Preparing for the AP Microeconomics Exam to accompany Krugman's Economics for the AP Course (Fourth Edition)*, BFW Publishers, Copyright 2023

Cost proposal is attached.

Summary of Course(s)

AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. AP Microeconomics is equivalent to a one-semester introductory college course in economics.

AP Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. AP Macroeconomics is equivalent to a one-semester introductory college course in economics.

Overview

The current textbook used in the AP Micro/Macroeconomics courses is Principles of Economics (Gregory Mankiw - Cengage, copyright 2008). Because of the nature of the social studies content area and the rigor of the AP Micro/Macroeconomics courses, it is imperative that updated materials be used, as much has changed in the United States

and global economies since this book was published 17 years ago. Also, College Board updated their AP Micro/Macroeconomics course descriptions in 2022 so our current resource is no longer aligned to the College Board curriculum or AP exams for both AP Microeconomics and AP Macroeconomics. In order for our students to have the best chance at attaining college credit through a passing score on the AP Micro/ Macroeconomics exam(s), we must have updated and aligned resources for students and staff to use.

Evaluation Process

The committee created their shared vision for the course, examined the textbooks and online platforms, completed a rubric for each text and online platform, checked the texts for standard alignment, and had their students evaluate the texts and online platforms. The committee then came back together after the materials were piloted to discuss how the pilot went with staff and students for each text and online resource. They used the student and staff data and feedback to make the determination for which of the piloted texts/resources to adopt.

Shared Vision

In LPS, we have a vision for the AP Microeconomics and AP Macroeconomics courses where students will be engaged and actively involved in the learning process through rich resources and connecting the College Board standards to the ever-evolving global economic landscape. In AP Microeconomics, students will attain a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, with the economic system and will learn about the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. In AP Macroeconomics, students will gain a thorough understanding of the principles of economics that apply to an economic system as a whole, with particular emphasis on the study of national income and price-level determination, as well as develop students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Both AP Microeconomics and AP Macroeconomics courses will prepare students to take the College Board AP Microeconomics/AP Macroeconomics exam(s) and potentially earn college credit.

Evaluation Criteria

We evaluated the textbooks using a rubric with the following criteria:

- Alignment to the C3 Framework, Inquiry Arc, and the College Board standards and topics
- Balance of skill development, conceptual understanding, and applicable tasks
- Reflect the needs and diversity of LPS students
- Offer reteaching and extensions opportunities
- Discourse, engagement, critical thinking
- Assessment (formative and summative)
- Digital platform

Textbooks/Resources Considered

- *Krugman's Economics for AP Course (Fourth Edition)*, BFW Publishers, Copyright 2023
- *Strive For A 5: Preparing for the AP Microeconomics Exam*, BFW Publishers, Copyright 2023
- *Strive For A 5: Preparing for the AP Macroeconomics Exam*, BFW Publishers, Copyright 2023
- *AMSCO Microeconomics, Perfection Learning*, Copyright 2021
- *AMSCO Macroeconomics, Perfection Learning*, Copyright 2021
- *Economics (23rd Edition)*, McGraw-Hill Publishers, Copyright 2025
- *Principles of Microeconomics (Tenth Edition)*, Cengage Publishing, Copyright 2024
- *Principles of Macroeconomics (Tenth Edition)*, Cengage Publishing, Copyright 2024

Independent Evaluation

The committee of AP Microeconomics and Macroeconomics teachers began by looking at the six textbook options and the additional supplemental and online resources listed above. They individually completed a horizontal trace summary form, which had them document their overall reactions to the textbooks and online platforms, had them complete the horizontal trace for the College Board standards where they documented the strongest evidence that best supported the development of the selected standard, their areas of concern related to each publisher and its horizontal trace to the standards, and any/all adaptations that teachers would need to make to the materials to increase their usability with all students. The last step of the horizontal trace summary process was for the committee members to rank each textbook/resource based on whether or not the text and materials matched our vision, as well as College Board's vision, for the AP Microeconomics and AP Macroeconomics courses.³⁵ The committee members then came together to talk through their documentation of the horizontal trace to see where commonalities arose between the members. Through this process, the committee used their horizontal trace documentation and discussion and narrowed down the six possible

resources to two, which were the materials they piloted with their students during the second semester of the 2024-25 school year. The textbooks/resources that were piloted with students were *Krugman's Economics for AP Course (Fourth Edition)* by BFW Publishers and *AP Microeconomics/AP Macroeconomics* by Perfection Learning (AMSCO).

Evaluation Rubric Outcome

The results of the committee-created rubric (created before the pilot of the three resources began) showed *Krugman's Economics for the AP Course (Fourth Edition)*, to be the frontrunner of the resources that were piloted in the classroom. This resource was chosen because the materials do an exemplary job of aligning the text/skills with the College Board skills and standards and they provide a large amount of practice lessons, with immediate feedback, for students to increase their skill and confidence with the material and AP exam test preparation.

Student Response

After having students review the texts as to the explanations of concepts and terms, the graphs and their explanations, the amount of real word examples present in each text, the amount of practice questions included that are similar to AP exam questions, and the usability of both the physical textbook and online platform, students showed a high favorability for the Krugman textbook and online platform over the AMSCO text and online platform. Students said that while the AMSCO book would be nice for the compactness of the physical text and the ability to annotate within the book, the content of the Krugman text far outweighed any of the “pros” of the AMSCO text. Students reported that the Krugman text offered descriptions and explanations that were easy to understand, included practice AP exam questions that mirrored those the students would see on the actual AP exam, provided stronger real-world connections that helped the students relate abstract ideas to everyday economics, was easy to follow and would allow them to catch up on missed lessons or study independently, and the online platform was easy to use. Overall, 89% of the students said they would recommend the Krugman resources for future use in AP Economics classes, while only 32% of the students said they would recommend using the AMSCO resources.

Professional Development Needs

- Online platform training
- Time as a district committee to go through the new materials

For additional information on the adoption recommendation, contact Lindsay Rousseau at x42594.

CC
Theresa O'Brien
Kevin Etue
HS Social Studies Department Chairs

This price quote is good for 60 days. BFW High School Publishers is committed to delivering the best value for the program you have adopted. Pricing herein may reflect package discounts. Removing or editing components may cancel any package discounting applied to component items. Prices subject to change, including annual increases in November. Shipping fees are estimated; actual shipping fees may vary.

Purchase Orders: Please attach a copy of this price quote to your purchase order and submit your purchase order to:
 MPS 16365 James Madison Highway Gordonsville, VA 22942
 Email: highschool@mpsvirginia.com / Phone: (540) 672-7744

Quote Number	00125880	Prepared By	Nickeyta Fisher
Created Date	6/11/2025	Phone	(347) 514-1181
		Email	nfisher@bfpwpub.com
Contact Name	Lindsay Rousseau	Phone	(734)744-2525
Bill To	Livonia Public School District 15125 Farmington Rd Livonia, Michigan 481545413 United States	Ship To	Livonia Public School District 15125 Farmington Rd Livonia, Michigan 481545474 United States

Itemized Products									
ISBN	EAN	Product	Edition	Author	Line Item Description	Sales Price	Quantity	Total Price	
1319551297	9781319551292	Achieve for Krugman's Economics for the AP® Course (Six-Use Online)	4	David Anderson;Margaret Ray		USD 200.98	115.00	USD 23,112.70	
1319475485	9781319475482	Strive for a 5: Preparing for the AP® Microeconomics Exam	4	David Anderson;Margaret Ray	#packageprice	USD 15.00	40.00	USD 600.00	

Itemized Product Total: USD 23,712.70

Free Product: Please include in your PO:									
ISBN	EAN	Free Product	Edition	Author		Net Price	Quantity	Your Price	
1319575080	9781319575083	Test Bank for Krugman's Economics for the AP® Course	4	David Anderson;Margaret Ray		USD 495.98	1	\$0.00	
131947585X	9781319475857	Teacher's Edition with Online Teacher Resources for Krugman's Economics for the AP® Course	4	David Anderson;Margaret Ray		USD 495.98	1	\$0.00	

Total Available for Purchase USD 0.00

Shipping Information

Schools are typically tax exempt however if your school is **NOT** tax exempt, please note that your local tax rate will apply to this quote.

Shipping Location Continental US and Puerto Rico

Shipping Fees: USD 1,185.64
Special Shipping Fees: 37 USD 0.00
Total Shipping Fees: USD 1,185.64

Grand Totals

Itemized Products + Shipping Fees: USD 24,898.34

Instructor Resources

Digital Adopters: Instructor resources will be available within your product; no action needed

Print Only Adopters: Instructor resources can be unlocked by visiting www.bfwpub.com/AdopterTRM

Digital Subscription Terms

Digital subscription terms: With respect to each product, the number of licenses allocated to you will be determined by multiplying the quantity purchased by the number of uses (where use = year). [Example: 100 units of a 6-use product = 600 licenses.]

Access to each title will expire on the first to occur of (1) all purchased units which would be available over the course of the number of uses have been utilized, or (2) the number of uses has transpired utilizing the following calculation: utilizing August 1 as the start of a new year, (i) If the invoice date falls between January 1 and September 30, the end date of the subscription term shall be calculated as the invoice year plus the number of uses indicated [Example: 100 units of a 6-use product is invoiced on April 15, 2023. The end date based on uses purchased = July 31, 2029]; and (ii) If the invoice date falls between October 1 and December 31, the end date of the subscription term shall be calculated as invoice year plus the number of uses indicated + 1]. [Example: 100 units of a 6-use product is invoiced on November 15, 2023. The end date based on uses purchased = July 31, 2030.]

For complete subscription terms, see bfwpub.com/subscription-terms. Your issuance of a purchase order based on this quote or your payment for the courseware subscription signifies your affirmative understanding and acceptance of these terms.

License uses are not restricted during your subscription term, so as not to inhibit or impede the learning process, but all uses will count toward your purchase quantity based on the above calculation. If you exceed the quantity purchased, you will receive an invoice for the number of licenses used beyond those purchased.

The New Edition Option: If chosen at the time of initial purchase, the New Edition option permits the one-time option to upgrade to a new courseware edition at any time within your active courseware subscription term. It is your responsibility to inform your BFW representative when you are ready to proceed with the upgrade. The New Edition Option does not apply to e-books and applies exclusively to digital courseware and not print products.

Miscellaneous Information

Sole Source Statement: Competition in providing the above named products is precluded by the existence of a copyright. There are no like products available for purchase that serve the same purpose because of exclusive distribution/marketing rights. These products should be purchased directly from BFW (MPS) or its approved depositories. Purchases from any other source would not ensure the item's authenticity/warranty. Unapproved 3rd party vendors cannot provide packages, digital materials or teaching materials. BFW (MPS) cannot provide these items to a school if the student edition has been purchased through a third party. We are the sole source for these items and packages.

Note for Canadian Users: Please note that invoices are issued in CAD, but if payment is to be made via credit card, it will be processed through our US Bank and an exchange rate fee will be applied.

NOTE: If you plan to place an order and will require a signed data agreement, please send to your rep as soon as possible. Agreement reviews take an average of 1-3 weeks to review.



Livonia Public Schools

Academic Services

Date: June 16, 2025
To: Andrea Oquist, Superintendent
From: Theresa O'Brien, Chief Academic Officer
Subject: Purchase of Macroeconomics Textbooks

I would like to request to be placed on the Curriculum Committee agenda for the June 16, Board of Education Committee of the Whole meeting with a recommendation to purchase AP Macroeconomics textbooks for AP classes in the secondary schools from MPS in Gordonsville, VA for \$55,681.61. This purchase would include online teacher resources. The funds for this purchase are from the secondary textbook budget which has been supported by the Wayne County Enhancement Milage money.

Thank you for your consideration of this request.

DATE: June 4, 2025

TO: Kristen Quesada, Churchill High School
Andrew Pesci, Franklin High School
Pete Mazzone, Stevenson High School

FROM: Lindsay Rousseau, 7-12 ELA & Social Studies Curriculum Coordinator

SUBJECT: Textbook Recommendation for the Advanced Placement (AP) Microeconomics and Advanced Placement (AP) Macroeconomics Courses

This memo recommends the adoption of the physical copy and digital platform licenses for *Krugman's Economics for the AP Course, Fourth Edition (BFW Publishers)*, *Strive for a 5: Preparing for the AP Macroeconomics Exam (BFW Publishers)*, and *Strive for a 5: Preparing for the AP Microeconomics Exam (BFW Publishers)* for the Advanced Placement (AP) Microeconomics and Advanced Placement (AP) Macroeconomics courses. The details below provide more information about the adoption process and information to support the recommendation.

Committee Members

Franklin: Pat Koelzer

Stevenson: Rick Mestdagh

Recommended Materials for Adoption

- *Krugman's Economics for the AP Course (Fourth Edition)*, BFW Publishers, Copyright 2023
- *Krugman's Economics for the AP Course (Fourth Edition)*, BFW Publishers digital platform licenses/access
- *Strive for a 5: Preparing for the AP Macroeconomics Exam to accompany Krugman's Economics for the AP Course (Fourth Edition)*, BFW Publishers, Copyright 2023
- *Strive for a 5: Preparing for the AP Microeconomics Exam to accompany Krugman's Economics for the AP Course (Fourth Edition)*, BFW Publishers, Copyright 2023

Cost proposal is attached.

Summary of Course(s)

AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. AP Microeconomics is equivalent to a one-semester introductory college course in economics.

AP Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. AP Macroeconomics is equivalent to a one-semester introductory college course in economics.

Overview

The current textbook used in the AP Micro/Macroeconomics courses is *Principles of Economics* (Gregory Mankiw - Cengage, copyright 2008). Because of the nature of the social studies content area and the rigor of the AP Micro/Macroeconomics courses, it is imperative that updated materials be used, as much has changed in the United States

and global economies since this book was published 17 years ago. Also, College Board updated their AP Micro/Macroeconomics course descriptions in 2022 so our current resource is no longer aligned to the College Board curriculum or AP exams for both AP Microeconomics and AP Macroeconomics. In order for our students to have the best chance at attaining college credit through a passing score on the AP Micro/ Macroeconomics exam(s), we must have updated and aligned resources for students and staff to use.

Evaluation Process

The committee created their shared vision for the course, examined the textbooks and online platforms, completed a rubric for each text and online platform, checked the texts for standard alignment, and had their students evaluate the texts and online platforms. The committee then came back together after the materials were piloted to discuss how the pilot went with staff and students for each text and online resource. They used the student and staff data and feedback to make the determination for which of the piloted texts/resources to adopt.

Shared Vision

In LPS, we have a vision for the AP Microeconomics and AP Macroeconomics courses where students will be engaged and actively involved in the learning process through rich resources and connecting the College Board standards to the ever-evolving global economic landscape. In AP Microeconomics, students will attain a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, with the economic system and will learn about the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. In AP Macroeconomics, students will gain a thorough understanding of the principles of economics that apply to an economic system as a whole, with particular emphasis on the study of national income and price-level determination, as well as develop students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Both AP Microeconomics and AP Macroeconomics courses will prepare students to take the College Board AP Microeconomics/AP Macroeconomics exam(s) and potentially earn college credit.

Evaluation Criteria

We evaluated the textbooks using a rubric with the following criteria:

- Alignment to the C3 Framework, Inquiry Arc, and the College Board standards and topics
- Balance of skill development, conceptual understanding, and applicable tasks
- Reflect the needs and diversity of LPS students
- Offer reteaching and extensions opportunities
- Discourse, engagement, critical thinking
- Assessment (formative and summative)
- Digital platform

Textbooks/Resources Considered

- *Krugman's Economics for AP Course (Fourth Edition)*, BFW Publishers, Copyright 2023
- *Strive For A 5: Preparing for the AP Microeconomics Exam*, BFW Publishers, Copyright 2023
- *Strive For A 5: Preparing for the AP Macroeconomics Exam*, BFW Publishers, Copyright 2023
- *AMSCO Microeconomics, Perfection Learning*, Copyright 2021
- *AMSCO Macroeconomics, Perfection Learning*, Copyright 2021
- *Economics (23rd Edition)*, McGraw-Hill Publishers, Copyright 2025
- *Principles of Microeconomics (Tenth Edition)*, Cengage Publishing, Copyright 2024
- *Principles of Macroeconomics (Tenth Edition)*, Cengage Publishing, Copyright 2024

Independent Evaluation

The committee of AP Microeconomics and Macroeconomics teachers began by looking at the six textbook options and the additional supplemental and online resources listed above. They individually completed a horizontal trace summary form, which had them document their overall reactions to the textbooks and online platforms, had them complete the horizontal trace for the College Board standards where they documented the strongest evidence that best supported the development of the selected standard, their areas of concern related to each publisher and its horizontal trace to the standards, and any/all adaptations that teachers would need to make to the materials to increase their usability with all students. The last step of the horizontal trace summary process was for the committee members to rank each textbook/resource based on whether or not the text and materials matched our vision, as well as College Board's vision, for the AP Microeconomics and AP Macroeconomics courses.⁴¹ The committee members then came together to talk through their documentation of the horizontal trace to see where commonalities arose between the members. Through this process, the committee used their horizontal trace documentation and discussion and narrowed down the six possible

resources to two, which were the materials they piloted with their students during the second semester of the 2024-25 school year. The textbooks/resources that were piloted with students were *Krugman's Economics for AP Course (Fourth Edition)* by BFW Publishers and *AP Microeconomics/AP Macroeconomics* by Perfection Learning (AMSCO).

Evaluation Rubric Outcome

The results of the committee-created rubric (created before the pilot of the three resources began) showed *Krugman's Economics for the AP Course (Fourth Edition)*, to be the frontrunner of the resources that were piloted in the classroom. This resource was chosen because the materials do an exemplary job of aligning the text/skills with the College Board skills and standards and they provide a large amount of practice lessons, with immediate feedback, for students to increase their skill and confidence with the material and AP exam test preparation.

Student Response

After having students review the texts as to the explanations of concepts and terms, the graphs and their explanations, the amount of real word examples present in each text, the amount of practice questions included that are similar to AP exam questions, and the usability of both the physical textbook and online platform, students showed a high favorability for the Krugman textbook and online platform over the AMSCO text and online platform. Students said that while the AMSCO book would be nice for the compactness of the physical text and the ability to annotate within the book, the content of the Krugman text far outweighed any of the “pros” of the AMSCO text. Students reported that the Krugman text offered descriptions and explanations that were easy to understand, included practice AP exam questions that mirrored those the students would see on the actual AP exam, provided stronger real-world connections that helped the students relate abstract ideas to everyday economics, was easy to follow and would allow them to catch up on missed lessons or study independently, and the online platform was easy to use. Overall, 89% of the students said they would recommend the Krugman resources for future use in AP Economics classes, while only 32% of the students said they would recommend using the AMSCO resources.

Professional Development Needs

- Online platform training
- Time as a district committee to go through the new materials

For additional information on the adoption recommendation, contact Lindsay Rousseau at x42594.

CC
Theresa O'Brien
Kevin Etue
HS Social Studies Department Chairs

This price quote is good for 60 days. BFW High School Publishers is committed to delivering the best value for the program you have adopted. Pricing herein may reflect package discounts. Removing or editing components may cancel any package discounting applied to component items. Prices subject to change, including annual increases in November. Shipping fees are estimated; actual shipping fees may vary.

Purchase Orders: Please attach a copy of this price quote to your purchase order and submit your purchase order to:

MPS 16365 James Madison Highway Gordonsville, VA 22942
 Email: highschool@mps virginia.com / Phone: (540) 672-7744

Quote Number	00125876	Prepared By	Nickeyta Fisher
Created Date	6/11/2025	Phone	(347) 514-1181
		Email	nfisher@bfwpub.com
Contact Name	Lindsay Rousseau	Phone	(734)744-2525
Bill To	Livonia Public School District 15125 Farmington Rd Livonia, Michigan 481545413 United States	Ship To	Livonia Public School District 15125 Farmington Rd Livonia, Michigan 481545474 United States

Itemized Products

ISBN	EAN	Product	Edition	Author	Line Item Description	Sales Price	Quantity	Total Price
1319409326	9781319409326	Krugman's Economics for the AP® Course	4	David Anderson;Margaret Ray		USD 188.98	120.00	USD 22,677.60
1319551548	9781319551544	Achieve for Krugman's Macroeconomics for the AP® Course (Six-Use Online; Add-On)	4	Margaret Ray;David Anderson	#packageprice	USD 39.00	120.00	USD 4,680.00
1319542492	9781319542498	Achieve for Krugman's Macroeconomics for the AP® Course (Six-Use Online)	4	Margaret Ray;David Anderson		USD 190.98	125.00	USD 23,872.50
1319475876	9781319475871	Strive for a 5: Preparing for the AP® Macroeconomics Exam	4	Margaret Ray;David Anderson	#packageprice	USD 15.00	120.00	USD 1,800.00

Itemized Product Total: USD 53,030.10

Free Product: Please include in your PO:

ISBN	EAN	Free Product	Edition	Author	Net Price	Quantity	Your Price
131947585X	9781319475857	Teacher's Edition with Online Teacher Resources for Krugman's Economics for the AP® Course	4	David Anderson;Margaret Ray	USD 495.98	3	\$0.00
1319575080	9781319575083	Test Bank for Krugman's Economics for the AP® Course	4	David Anderson;Margaret Ray	USD 495.98	3	\$0.00

Total Available for Purchase USD 0.00

Shipping Information

Schools are typically tax exempt however if your school is **NOT** tax exempt, please note that your local tax rate will apply to this quote.

Shipping Location Continental US and Puerto Rico

Shipping Fees:	USD 2,651.51
Special Shipping Fees:	USD 0.00
Total Shipping Fees:	USD 2,651.51

Grand Totals

Itemized Products + Shipping Fees: USD 55,681.61

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Livonia Public Schools

District Services

Date: June 12, 2025

To: Andrea Oquist, Superintendent

From: Phillip Francis, Assistant Superintendent of District Services

Re: LECC Parking Lot Lighting Installation

I would like to discuss the LECC stone parking lot light installation at the next Committee of the Whole meeting on June 16, 2025. This recommendation is for adding three (3) light poles to the LECC gravel parking lot. This would increase visibility in the early morning and at night, which will make the parking lot safer.

Mr. Harry Lau, Administrator of Facilities & Operations, elicited quotes from three lighting companies. We received two proposals, and one company was non-responsive. We are recommending this purchase and installation from Voss Lighting, Grand Rapids, whose proposal uses Omnia/NCPA contract pricing, in the amount of \$43,480.

Please include this item on the agenda. Thank you.

Attachments

c: Board of Education

PF/AS



Livonia Public Schools
 Livonia Early Childhood Center (Extended Circuit)

Tuesday, May 06, 2025

Scope of Work

Voss Lighting shall perform the following work:

- Install (3) new concrete bases with anchor bolts.
- Install (3) new parking lot light poles on concrete bases.
- Install (3) new LED fixtures, (1) on each pole.
- Jump power from existing light pole near by.
- Directional drilling and trenching required.

Installation Considerations

Our proposal is based on a normal 8-hour per day, 40-hour per week work schedule. Voss Lighting has included no provisions for shift work or overtime. This proposal does not include an engineering review or any and all upgrades to existing electrical installation(s).

Our pricing is based on our participation in Omnia/NCPA contract #02-83.

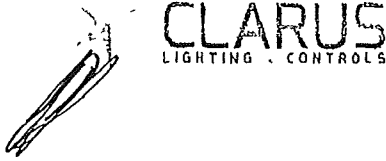
Project Financials

Project Value	\$ 43,480.00
Less Estimated Rebates	
Net Project Value	\$ 43,480.00

How to get started

Total Project Value	\$ 43,480.00
Down Payment	\$ 17,392.00

NOTE: If Project Quotation is approved by Customer, Voss will then provide a contract for Customer signature. Upon your signature on this contract, product will be ordered and installation scheduled. NOTE: This Voss quote, or its contents in their entirety, must be included as an integral part of a subsequent prime contract, purchase order, work directive, or other legal prime directive.
 PROJECT CANCELLATIONS: Should project be delayed or cancelled, may be liable for any additional product cancellation fees, restocking charges, or price increases. Should the project be delayed beyond 30 days from original quotation date, the executed Voss contract will become void, our pricing will be reviewed for any necessary adjustments related to material and expense costs, labor costs, and other related costs that may be affected, and a new contract presented for Customer signature.
 PROJECT PRICE INCREASES: This quotation is based upon current product pricing and installation related costs. Quotation is guaranteed for 30 days from quotation date. After 30 days, our pricing will be reviewed for any necessary adjustments related to material and expense costs, labor costs, and other related costs that may be affected by an extended approval period.
 PROJECT WORK HOURS: Unless noted otherwise above, our quotation is based on onsite installation taking place on a normal 8 hour per day 40 hour per week work schedule. Voss Lighting has included no provisions for shift work or overtime.
 PRICE: The quoted price includes all applicable taxes but no other fees that may be associated with this project.
 PRODUCT NON-STOCK ITEMS: Some products that we offer are not stock items in our warehouse and are ordered as needed. Such items are special order and have extended lead times and are non-returnable.
 PRODUCT DELIVERY AND INSTALLATION DATES: Upon execution of the Voss contract, we will aggressively process and expedite your project. At that time, product delivery and onsite installation dates will be verified. Voss cannot accept responsibility for product production delays, delivery issues, and inclement weather that are beyond our control.
 TECL 30854 Regulated by the Texas Department of Licensing and Regulation, PO Box 12157, Austin, Texas 78711, 1-800-803-9292, 512-463-6699
 Website: www.license.state.tx.us/complaints
 OK 0018441
 Concerning costs for goods and services that are part of the pricing quoted herein, in the event of unforeseen direct or indirect price escalation and increases due to general increases, trade tariffs, inflationary factors, increases in precious metals and other commodity items, and the like, all quoted pricing is subject to review and adjustment at the time of order being placed.
 Voss pricing is based on the assumed voltage at each fixture location being as stated in our proposal and all existing electrical installation is compliant with National Electrical Code and local jurisdiction Code requirements. If actual conditions are found to be different and/or non-compliant after proposal is submitted, Voss reserves the right to evaluate our pricing for cost impact(s) and associated price revision. Because rebate rules vary between utility companies, Voss cannot fully guarantee that every energy saving measure included in this proposal will qualify for a rebate. This will be confirmed upon the commencing of project and/or post project utility audit. The estimated rebate amount stated in review of project by Voss and/or information/counts shared with Voss by this proposal are a good faith estimate based on Customer. Voss shall notify the Customer in writing of such differentials and will submit necessary documentation, showing the difference between the estimated and actual rebate amounts, required for contract adjustment.
 This quote does not include any painting or patching of drywall.
 Warranty Terms: <https://docs.google.com/document/d/1JQLC-K3fDBcFhVtwqNCgdgMQCdUSuul/edit>



Clarus Lighting & Controls
 30775 Barrington Street
 Madison Heights MI 48071
 Phone: 1 (248) 677-0850
 Fax: 1 (248) 677-0512
From: Erin Chartier
Quoter Ph:
email: echartier@clarus-lighting.com

Project Livonia Early Childhood Center - Site - 3
Location pole Layout
Quote CLC25-125795-1

To: Derek Irwin
 Great Lakes Power & Lighting
 9646 Marine City Hwy.
 Casco MI 48064
 Phone: 1 (586) 716-4000
 Fax: 1 (586) 716-4770
 EMail: dirwin@greatlakespwr.com

For
Bid Date Mar 5, 2025
Expires Apr 4, 2025
 Architect: Clarus Design Build
 Engineer: Clarus Design Build

QTY	Type	MFG	Part	Price	UQ	ExtPrice
3			PRICE PER SINLGE ASSEMBLY LISTED BELOW	\$1,794.00		\$5,382.00
3		LUM	PRV-XL-PA3A-730-U-T4W-SA-WH	(included)		-
3		GEN	CPS-4-5011-25-D1-WH	(included)		-

Total: \$5,382.00

Terms and conditions of sale:

1. Please be sure to reference this Quote Number on the Purchase Order.
2. Please send all PO's to ClarusOrders@Clarus-Lighting.com
3. Quoted amount is based on drawings/plans and specifications provided to Clarus at time of bid. Any revised, updated or re-issued plans/drawings or specs will require a re-quote.
4. Controls are quoted to meet the requirements of the drawings/plans and specifications provided to Clarus at time of bid. It is the responsibility of the project's professional engineer to review and correct the control drawings for compliance with current state and local code regulations. Unless it is specifically shown in the quote as an optional service, the price for additional control functional testing is NOT included as that work must be performed by a third party independent commissioning agent (refer to ASHRAE 90.1-2013, SECTION 9.4.3).
5. Controls Initial Start-Up/Programming Services:
 - a. When included in quote, a factory representative will verify that the control system is functional and provide training for facility personnel to adjust, operate, and maintain lighting control devices. Quoted amount covers initial startup during normal business hours (M-F 8am-5pm). Startup has been calculated as one phase during normal business hours. If more phases are needed please please contact Clarus for additional pricing.
 - b. This quote assumes that no additional time or expenses are required for gaining access/clearance to the customer facility for purposes of commissioning, functional testing or maintenance. If additional time or expenses are required, Clarus reserves the right to amend this quote accordingly.

	Labor Type	Crew	Hours	Rate \$	SubTotal	Brdn %	Frng \$	Brdn Tot	Frng Tot	Total	Full Rate
1	ELECTRICIAN	1 00	109 74	95 00	10,425 30					10,425 30	95 00
	Totals	1 00	109 74	95 00	10,425 30					10,425 30	95 00

	Final Pricing	Calculated (%)	Calculated (\$)	Variance (%)	Modified (\$)	Modified (%)	Alarm	% Final Price
	Database Material (Extension)		21,931 65		21,931 65			54 975
	Quoted Material (Extension)		960 00		960 00			2 406
	Material Tax	6 000	1,373 50		1,373 50	6 000		3 443
	Material Total		24,265 15		24,265 15			60 824
	Direct Labor		10,425 30		10,425 30			26 132
	Labor Total		10,425 30		10,425 30			26 132
	Total Cost		34,690 45		34,690 45			86 957
	Database Material Overhead	15 000	3,487 13		3,487 13	15 000		8 741
	Quoted Material Overhead	15 000	152 64		152 64	15 000		0 383
	Labor Overhead	15 000	1,563 80		1,563 80	15 000		3 920
	Total Overhead	15 000	5,203 57		5,203 57	15 000		13 043
	Selling Price		39,894 02		39,894 02			100 000
	Final Price		39,894 02		39,894 02			

Job Name. LIVONIA ECC SITE LIGHTING DIRECT
 Job Number: 25-015
 Job Path: C:\ProgramData\Accubid\JOBDATA
 Job Category:
 Bid Due Date. 3/11/2025 1 09 PM
 Estimator.
 Telephone.
 Cell.
 Fax:
 Email:

Starting date:
 Completion date.
 Duration: Months

Job address:

Client address.

	Description	Quantity	Date	Trade Price	Unit	Cost Adj %	Net Cost	Labor	Unit
1	3/4" CONDUIT - EMT	100	10/11/2023	98 23	C	0 000	98 23	4 80	C
2	3/4" CONN SS STL - EMT	4	6/8/2022	49 11	C	0 000	49 11	15 00	C
3	3/4" COUPLING SS STL - EMT	10	6/8/2022	112 82	C	0 000	112 82	6 00	C
4	3/4" CONDUIT - RMC - GALV	10	10/11/2023	289 04	C	0 000	289 04	7 50	C
5	3/4" LOCKNUT - STEEL	2	6/8/2022	20 88	C	0 000	20 88	3 45	C
6	3/4" MEASURE CUT & THREAD LABOR - RMC - GALV	1	2/26/2016	0 00	C	0.000	0 00	30 00	C
7	3/4" 1-H STRAP - RMC - MALL	1	6/8/2022	108 13	C	0.000	108 13	8 10	C
8	1/2 OR 3/4" SNAP CLOSE CLIP - SIDE MNT TO MTL STUD SU	2	11/21/2022	284 76	C	0 000	284 76	10 80	C
9	1/2 OR 3/4" SNAP CLOSE CLIP ON ANGLE BRKT	11	11/21/2022	214 83	C	0 000	214 83	12 30	C
10	3/4" CONDUIT - PVC40	380	8/23/2023	76 76	C	0 000	76 76	5 40	C
11	3/4" ELBOW 90 DEG - PVC40	12	7/6/2022	107 67	C	0 000	107 67	28 50	C
12	3/4" COUPLING - PVC	24	7/6/2022	22 68	C	0 000	22 68	0 00	C
13	#10 THHN BLACK	1,859	10/4/2023	238.90	M	0 000	238 90	8 48	M
14	#12 THHN GREEN	418	10/4/2023	226 40	M	0.000	226 40	7 73	M
15	WIRE CONN RED	9	2/2/2022	27 16	C	0.000	27 16	9 00	C
16	4x 1 1/2" SQ BOX COMB KO	2	5/18/2022	210 59	C	0 000	210 59	34 50	C
17	4" SQ 1G PLSTR RING 5/8" RISE	2	5/18/2022	129 63	C	0 000	129 63	3 75	C
18	4 9/16x 1 15/16" DEEP CAST BOX W/ 4x 3/4" HUBS - CI	1	5/18/2022	59 77	E	0 000	59 77	0 68	E
19	COVER ROUND BLANK - CI	1	5/18/2022	16 14	E	0 000	16 14	0 09	E
20	#8 TO #10x 7/8 PLAS ANCHOR (3/16)	3	3/15/2023	4 75	C	0 000	4 75	9 00	C
21	#8x 1/2 P/H SELF-TAP SCREW	11	10/13/2021	10 86	C	0 000	10 86	3 60	C
22	#10x 1 P/H SELF-TAP SCREW	3	12/15/2021	11 95	C	0 000	11 95	4 50	C
23	#8x 1/2 WAFER HEAD SELF-TAP STUD SCREW - 12G	4	4/20/2022	3 07	C	0 000	3 07	3 60	C
24	SQ BOX MNTG BRKT TO 2 1/2-3 1/2" STUD	2	10/12/2022	133 47	C	0 000	133 47	7 50	C
25	TRENCH (6"x 3' DEEP)	160	3/11/2025	6 00	E	0 000	6 00	0 06	E
26	POLE BASE	3	3/11/2025	2,500 00	E	0 000	2,500 00	5 00	E

	Description	Quantity	Date	Trade Price	Unit	Cost Adj %	Net Cost	Labor	Unit
27	LIGHT POLE & HEAD	3	3/11/2025	1,794 00	E	0 000	1,794 00	10 00	E
28	DIR BORE	220	3/11/2025	27 00	E	0.000	27 00	0 00	E
29	PERMIT/MOBILIZATION	1	3/11/2025	2,000 00	E	0 000	2,000 00	0 00	E
	Totals	3,259							

	Description	Quantity	Total Material	Total Hours
1	3/4" CONDUIT - EMT	100	98 23	4 80
2	3/4" CONN SS STL - EMT	4	1 96	0 60
3	3/4" COUPLING SS STL - EMT	10	11 28	0 60
4	3/4" CONDUIT - RMC - GALV	10	28 90	0 75
5	3/4" LOCKNUT - STEEL	2	0 42	0 07
6	3/4" MEASURE CUT & THREAD LABOR - RMC - GALV	1	0 00	0 30
7	3/4" 1-H STRAP - RMC - MALL	1	1 08	0 08
8	1/2 OR 3/4" SNAP CLOSE CLIP - SIDE MNT TO MTL STUD SL	2	5 70	0 22
9	1/2 OR 3/4" SNAP CLOSE CLIP ON ANGLE BRKT	11	23 63	1.35
10	3/4" CONDUIT - PVC40	380	291 69	20 52
11	3/4" ELBOW 90 DEG - PVC40	12	12 92	3 42
12	3/4" COUPLING - PVC	24	5 44	0 00
13	#10 THHN BLACK	1,859	444 12	15 76
14	#12 THHN GREEN	418	94 64	3 23
15	WIRE CONN RED	9	2 44	0 81
16	4x 1 1/2" SQ BOX COMB KO	2	4 21	0 69
17	4" SQ 1G PLSTR RING 5/8" RISE	2	2 59	0 07
18	4 9/16x 1 15/16" DEEP CAST BOX W/ 4x 3/4" HUBS - CI	1	59 77	0 68
19	COVER ROUND BLANK - CI	1	16.14	0.09
20	#8 TO #10x 7/8 PLAS ANCHOR (3/16)	3	0 14	0 27
21	#8x 1/2 P/H SELF-TAP SCREW	11	1.19	0 40
22	#10x 1 P/H SELF-TAP SCREW	3	0 36	0 14
23	#8x 1/2 WAFER HEAD SELF-TAP STUD SCREW - 12G	4	0 12	0 14
24	SQ BOX MNTG BRKT TO 2 1/2-3 1/2" STUD	2	2 67	0 15
25	TRENCH (6"x 3' DEEP)	160	960 00	9 60
26	POLE BASE	3	7,500 00	15 00
27	LIGHT POLE & HEAD	3	5,382 00	30 00
28	DIR BORE	220	5,940 00	0 00
29	PERMIT/MOBILIZATION	1	2,000 00	0 00
	Totals	3,259	22,891 65	109.74

	Labor Type	Crew	Hours	Rate \$	SubTotal	Brdn %	Frng \$	Brdn Tot	Frng Tot	Total	Full Rate
1	ELECTRICIAN	1 00	109 74	95 00	10,425 30					10,425 30	95 00
	Totals	1 00	109 74	95 00	10,425 30					10,425 30	95 00

	Final Pricing	Calculated (%)	Calculated (\$)	Variance (%)	Modified (\$)	Modified (%)	Alarm	% Final Price
	Database Material (Extension)		21,931 65		21,931 65			54 975
	Quoted Material (Extension)		960 00		960 00			2.406
	Material Tax	6 000	1,373 50		1,373 50	6.000		3 443
	Material Total		24,265 15		24,265 15			60 824
	Direct Labor		10,425 30		10,425 30			26 132
	Labor Total		10,425 30		10,425 30			26 132
	Total Cost		34,690 45		34,690 45			86.957
	Database Material Overhead	15 000	3,487 13		3,487 13	15 000		8 741
	Quoted Material Overhead	15 000	152 64		152 64	15 000		0 383
	Labor Overhead	15 000	1,563 80		1,563 80	15 000		3 920
	Total Overhead	15 000	5,203 57		5,203 57	15 000		13 043
	Selling Price		39,894 02		39,894 02			100 000
	Final Price		39,894.02		39,894 02			



Livonia Public Schools

District Services

Date: June 12, 2025
To: Andrea Oquist, Superintendent
From: Phillip Francis, Assistant Superintendent of District Services
Re: Approval of Funds for Churchill Offices

I would like to discuss the purchase of furniture for the Churchill counseling Career Information Center (CIC) and department offices at the June 16, 2025 Committee of the Whole Meeting. NBS Commercial Interiors will supply and install the furniture. The specific areas are the CIC, which is utilized by Churchill students and is receiving an overall refresh via the 2021 Bond initiative this summer, along with several department offices located around Churchill's LMC. Those spaces are also receiving a refresh during the summer Bond work. Churchill's administrative team is planning to utilize these spaces around the LMC for more student use, in addition to staff use.

The total not-to-exceed amount for the Churchill offices are \$135,000 and will be funded entirely by unused contingency funds from previous furniture purchases under the 2021 Bond Program.

Please include this item on the agenda. Thank you.

Attachments

c: Board of Education

PF/AS

June 9, 2025

Mr. Phillip Francis
Asst. Superintendent of District Services
Livonia Public Schools
15125 Farmington Road
Livonia, MI 48154

RE: 2021 Bond Program
2025 Churchill High School (CHS) Furniture Purchase Recommendation

Dear Mr. Francis:

This letter transmits an update from Plante Moran Realpoint (PMR) as it relates to the assignment to assist and advise Livonia Public Schools (LPS) in its purchase of furniture for the Project listed above. This update represents the mutual efforts of PMR, NBS, and LPS administration and staff (the Team).

Coinciding with ongoing design efforts to renovate and reimagine LMC spaces as part of the 2021 Bond Program, the Team has identified additional counseling and department offices adjacent to the CHS LMC that are in need of refreshed furniture and storage to better utilize the spaces to their full potential and adapt to current usage.

The Team recommends awarding NBS Commercial Interiors to supply and install LMC furniture in an amount **Not-to-Exceed (NTE) \$135,000.00** as further detailed below and within proposal dated June 9, 2025.

NBS Proposal	\$	127,055.67
Contingency (~6%)	\$	7,944.33
Total Recommendation	\$	135,000.00

The costs for this purchase will be covered entirely by unused contingency funds from previous furniture purchases under the 2021 Bond Program.

For the Vendor, the pricing for this work will be detailed in a Purchase Order Agreement, pending final review and approval of terms by District legal counsel.

The Team is available at the Board's convenience to answer any questions regarding this recommendation. Please direct all questions through me via email at brian.weber@plantemoran.com.

Sincerely,

PLANTE MORAN REALPOINT



Brian Weber
Senior Vice President

Enclosures:
Vendor Proposals
Product Information & Layout



2595 Bellingham • Troy, MI 48083 • 248.823.5400
 3201 Pine Tree Rd. Ste. A • Lansing, MI 48911 • 517.886.0072
 5160 Alliance Dr. • Bay City, MI 48706 • 989.895.8574
 4 North St. Clair St. • Toledo, OH 43604 • 419.662.2040



Quotation 388589

Quote Date 06/06/25
Customer Order
Project 250318
Customer L00002
Terms NET 10 DAYS
Expiration Date
Account Representative MONIQUE DUGAN

yourNBS.com **Remit Payments to:** NBS, 6973 Reliable Parkway, Chicago, IL 60686

Quote To

Katrina Villasenor
 Livonia Public Schools
 15125 FARMINGTON RD
 LIVONIA, MI, 48154-5413

Ship To

HARRY LAU
 Churchill High School
 8900 NEWBURGH RD
 DEPARTMENT OFFICES
 LIVONIA, MI, 48150-3425

Phone +1 (734) 744-2584

ap@livoniapublicschools.org

Phone +1 (734) 744-2537

Cell +1 (734) 812-8597

hlau@livoniapublicschools.org

Sales Location Troy

This quote is valid until June 12, 2025. Steelcase & Exempris/SOI are having price increases on June 16th - this quote does not reflect this increase. A PO would need to be received by June 12th at 5 pm to receive the pricing shown on this quote.

Product ordered before the price increase must ship by Sept. 13th - storage has been quoted if product needs to be stored to accommodate this deadline.

The following contracts have been utilized for pricing on this quote:
 E&I 21Z00987 & Omnia R191814

PO required to place order. Please reference NBS quote number on your PO.

Quote includes non-union straight time labor for NBS to receive, deliver and install; any owner requested changes requiring additional delivery trip(s) will result in additional charges to be quoted separately.

Receipt of PO indicates owner approval of product as specified; upon release of order, no changes, cancellations or returns can be made.

The prices quoted are based on current governmental laws and regulations. In the event of any changes in laws, regulations, tariffs, taxes, or other governmental mandates that increase the cost of goods, materials, or services, NBS reserves the right to adjust pricing accordingly. Any such price adjustments will be communicated in writing.

Pricing does not include the removal or relocation of existing product.

Lead time: 10-12 weeks from receipt of PO.

Description	Quantity	Unit Price	Extended Price
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CIC ROOM

1	BFR36 - Table-Round, 36 dia Edge Finish: PLASTIC 6709 - CLAY NOCE Top Surface Finish: LAMINATE FINISHES 2HCN - CLAY NOCE (HPL)	2*	252.51	505.02
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TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

yourNBS.com

Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
1 STEELCASE Tag For CIC ROOM 36			
2 BFR42 - Table-Round, 42 dia Edge Finish: PLASTIC 6709 - CLAY NOCE Top Surface Finish: LAMINATE FINISHES 2HCN - CLAY NOCE (HPL) STEELCASE Tag For CIC ROOM 42	3*	280.60	841.80
3 BX26 - Base-X, 26W Base Finish: METALLIC PAINT 4799 - PLATINUM METALLIC Column Finish: METALLIC PAINT 4799 - PLATINUM METALLIC STEELCASE Tag For CIC ROOM XB	2*	206.66	413.32
4 BX36 - Base-X, 36W Base Finish: METALLIC PAINT 4799 - PLATINUM METALLIC Column Finish: METALLIC PAINT 4799 - PLATINUM METALLIC STEELCASE Tag For CIC ROOM XB	3*	263.60	790.80
5 2221FT1MB.USAR0 - Wit, Side, 4-leg, Mesh Back, Upholstered Seat, Armless Frame Information: FC2: Silver Frame Glide/Caster Selecton: CS6: Hard Floor and Carpet Casters Wit Mesh Back Colors: MC21: Nickel Fabric or Leather Upholstery Selection: FABRIC: Fabric Grade Selections ~: No Selection FG2: Fabric Grade 2 ELEMENT: Element Standard Color Selection RUBY: Element Ruby Package Selection: ~: Std Packaging EXEMPLIS	18*	261.12	4,700.16

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

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Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
5 Tag For CIC ROOM WIT			
7 TS31409 - Jenny; Chair-Round Upholstery Finish: BRISA BR26 - IRON Leg: ALUMINUM LEGS STEELCASE Tag For CIC ROOM JENNY	4*	1,115.85	4,463.40
8 TS34403 - OTTOMAN-ALIGHT,BENCH Upholstery Finish: CUST OWN MAT 5999 - MISC FABRIC DESIGNTEX INC Purchaser: VENDOR Pattern: BIG DOT -3525 Color: GRAPHITE -804 Direction: HORIZONTAL Leg: ALUMINUM LEGS STEELCASE Tag For CIC ROOM ALIGHT	4*	440.32	1,761.28
9 TS34403 - OTTOMAN-ALIGHT,BENCH Upholstery Finish: CUST OWN MAT 5999 - MISC FABRIC DESIGNTEX INC Purchaser: VENDOR Pattern: SWIFT -8230 Color: MESA -002 Direction: VERTICAL Leg: ALUMINUM LEGS STEELCASE Tag For CIC ROOM ALIGHT	4*	440.32	1,761.28
10 N66RD22CL - WHIMSY,22DIA ROUND,MOBILE,LAMINATE TOP LAMINATE: G1009: WHITE NEBBIA UPHOLSTERY GRADE: CFSF: CF STINSON GRADE F DIDI_73: DIDI CARBON KIMBALL OF Tag For CIC ROOM N66RD22CL	2*	757.47	1,514.94

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

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Description	Quantity	Unit Price	Extended Price
Sub Total			16,752.00
MICHIGAN 6% TAX			1,005.12
Total			17,757.12

H101 SOCIAL STUDIES

11	NL2460 - Elemental Table 24" Depth X 60" Width Nest and Fold, With Casters Worksurface Finish: Smith System Laminate 494360 - CLASSIC LINEN LAMINATE Edge: 1 1/4in Top w 3/8in Bmpr TMId Edge Finish: Smith System T-Mold CHP - CHAMPAGNE T MOLD Leg Finish: Smith System Paint CHL - CHARCOAL Height: EJ - Adjustable Height SMITH SYST Tag For H101 SOCIAL STUDIES 24/60-EJ	10*	765.00	7,650.00
12	2221FT1MB.USAR0 - Wit, Side, 4-leg, Mesh Back, Upholstered Seat, Armless Frame Information: FC2: Silver Frame Glide/Caster Selecton: CS6: Hard Floor and Carpet Casters Wit Mesh Back Colors: MC21: Nickel Fabric or Leather Upholstery Selection: FABRIC: Fabric Grade Selections ~: No Selection FG2: Fabric Grade 2 ELEMENT: Element Standard Color Selection RUBY: Element Ruby Package Selection: ~: Std Packaging EXEMPLIS Tag For H101 SOCIAL STUDIES WIT	20*	261.12	5,222.40
13	RSC24363CF - Cabinet-Storage, 2 adjustable shelves, Flush steel front, 24D x 36W x 40H BASIC: 4799 PLATINUM METALLIC LOCK: 9201 POLISHED CHROME	5*	893.02	4,465.10

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

yourNBS.com

Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
13 KEYS: SK PLUG TOP OPT: *OPT:TOP OPTIONS STL TOP: STD:1" STEEL TOP STEELCASE Tag For H101 SOCIAL STUDIES SC/40/36			
14 RATCL24108F - Top-Common, Square edge profile, Laminate, Flush steel front, 23 1/8D x 108W Top Surface Finish: PLASTIC LAMINATE 2HCN - CLAY NOCE (HPL) Edge Finish: PLASTIC 6709 - CLAY NOCE STEELCASE Tag For H101 SOCIAL STUDIES CT/23/108	1*	516.70	516.70
15 RATCL2472F - Top-Common, Square edge profile, Laminate, Flush steel front, 23 1/8D x 72W Top Surface Finish: PLASTIC LAMINATE 2HCN - CLAY NOCE (HPL) Edge Finish: PLASTIC 6709 - CLAY NOCE STEELCASE Tag For H101 SOCIAL STUDIES CT/23/72	1*	232.63	232.63
16 TS31409 - Jenny; Chair-Round Upholstery Finish: BRISA BR26 - IRON Leg: ALUMINUM LEGS STEELCASE Tag For H101 SOCIAL STUDIES JENNY	3*	1,115.85	3,347.55
17 N66RD36CL - WHIMSY,36DIA ROUND,MOBILE,LAMINATE TOP LAMINATE: G1009: WHITE NEBBIA UPHOLSTERY GRADE: CFSF: CF STINSON GRADE F DIDI_73: DIDI CARBON KIMBALL OF Tag For H101 SOCIAL STUDIES RD36CL	1*	1,003.10	1,003.10
18 LOCKFR - FIELD INSTALLED LOCK PLUGS & KEYS, FR Lock Finish: Polished Chrome 9201 - POLISHED CHROME Key: KEY SPECIFIC	5*	N/C	N/C

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

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Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
18 5-320 STEELCASE Tag For H101 SOCIAL STUDIES			

Sub Total	22,437.48
MICHIGAN 6% TAX	1,346.25
Total	23,783.73

H110 MATH

19	NL2460 - Elemental Table 24" Depth X 60" Width Nest and Fold, With Casters Worksurface Finish: Smith System Laminate 494360 - CLASSIC LINEN LAMINATE Edge: 1 1/4in Top w 3/8in Bmpr TMId Edge Finish: Smith System T-Mold CHP - CHAMPAGNE T MOLD Leg Finish: Smith System Paint CHL - CHARCOAL Height: EJ - Adjustable Height SMITH SYST Tag For H110 MATH 24/60-EJ	8*	765.00	6,120.00
20	2221FT1MB.USAR0 - Wit, Side, 4-leg, Mesh Back, Upholstered Seat, Armless Frame Information: FC2: Silver Frame Glide/Caster Selecton: CS6: Hard Floor and Carpet Casters Wit Mesh Back Colors: MC21: Nickel Fabric or Leather Upholstery Selection: FABRIC: Fabric Grade Selections ~: No Selection FG2: Fabric Grade 2 ELEMENT: Element Standard Color Selection RUBY: Element Ruby Package Selection: ~: Std Packaging EXEMPLIS Tag For H110 MATH WIT	16*	261.12	4,177.92

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

60

ACCEPTED BY _____ TITLE _____ DATE _____

yourNBS.com

Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
21 RSC24365KF - Cabinet-Storage, 4 adjustable shelves, Flush steel front, 24D x 36W x 65 1/2H BASIC: 4799 PLATINUM METALLIC LOCK: 9201 POLISHED CHROME KEYS: SK PLUG TOP OPT: *OPT:TOP OPTIONS STL TOP: STD:1" STEEL TOP STEELCASE Tag For H110 MATH SC/65-1/2/36	3*	1,104.34	3,313.02
22 RSC24363CF - Cabinet-Storage, 2 adjustable shelves, Flush steel front, 24D x 36W x 40H BASIC: 4799 PLATINUM METALLIC LOCK: 9201 POLISHED CHROME KEYS: SK PLUG TOP OPT: *OPT:TOP OPTIONS STL TOP: STD:1" STEEL TOP STEELCASE Tag For H110 MATH SC/40/36	2*	893.02	1,786.04
23 RATCL2472F - Top-Common, Square edge profile, Laminate, Flush steel front, 23 1/8D x 72W Top Surface Finish: PLASTIC LAMINATE 2HCN - CLAY NOCE (HPL) Edge Finish: PLASTIC 6709 - CLAY NOCE STEELCASE Tag For H110 MATH CT/23/72	1*	232.63	232.63
24 TS31409 - Jenny; Chair-Round Upholstery Finish: BRISA BR26 - IRON Leg: ALUMINUM LEGS STEELCASE Tag For H110 MATH JENNY	2*	1,115.85	2,231.70
25 N66RD36CL - WHIMSY,36DIA ROUND,MOBILE,LAMINATE TOP LAMINATE: G1009: WHITE NEBBIA UPHOLSTERY GRADE: CFSF: CF STINSON GRADE F DIDI_73: DIDI CARBON	1*	1,003.10	1,003.10

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

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Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
25 KIMBALL OF Tag For H110 MATH RD36CL			
26 LOCKFR - FIELD INSTALLED LOCK PLUGS & KEYS, FR Lock Finish: Polished Chrome 9201 - POLISHED CHROME Key: KEY SPECIFIC 5-335 STEELCASE Tag For H110 MATH	5*	N/C	N/C
Sub Total			18,864.41
MICHIGAN 6% TAX			1,131.86
Total			19,996.27

H112 FAN ROOM

27 NL2460 - Elemental Table 24" Depth X 60" Width Nest and Fold, With Casters Worksurface Finish: Smith System Laminate 494360 - CLASSIC LINEN LAMINATE Edge: 1 1/4in Top w 3/8in Bmpr TMId Edge Finish: Smith System T-Mold CHP - CHAMPAGNE T MOLD Leg Finish: Smith System Paint CHL - CHARCOAL Height: EJ - Adjustable Height SMITH SYST Tag For H112 FAN ROOM 24/60-EJ	4*	765.00	3,060.00
28 2221FT1MB.USAR0 - Wit, Side, 4-leg, Mesh Back, Upholstered Seat, Armless Frame Information: FC2: Silver Frame Glide/Caster Selecton: CS6: Hard Floor and Carpet Casters Wit Mesh Back Colors: MC21: Nickel Fabric or Leather Upholstery Selection: FABRIC: Fabric Grade Selections ~: No Selection FG2: Fabric Grade 2 ELEMENT: Element Standard Color Selection	8*	261.12	2,088.96

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

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Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
28 RUBY: Element Ruby Package Selection: ~: Std Packaging EXEMPLIS Tag For H112 FAN ROOM WIT			
29 RSC18363CF - Cabinet-Storage, 2 adjustable shelves, Flush steel front, 18D x 36W x 40H BASIC: 4799 PLATINUM METALLIC LOCK: 9201 POLISHED CHROME KEYS: SK PLUG TOP OPT: *OPT:TOP OPTIONS STL TOP: STD:1" STEEL TOP STEELCASE Tag For H112 FAN ROOM SC/40/36	2*	840.84	1,681.68
30 RATCL1872F - Top-Common, Square edge profile, Laminate, Flush steel front, 18D x 72W Top Surface Finish: PLASTIC LAMINATE 2HCN - CLAY NOCE (HPL) Edge Finish: PLASTIC 6709 - CLAY NOCE STEELCASE Tag For H112 FAN ROOM CT/18/72	1*	227.48	227.48
31 LOCKFR - FIELD INSTALLED LOCK PLUGS & KEYS, FR Lock Finish: Polished Chrome 9201 - POLISHED CHROME Key: KEY SPECIFIC 2-350 STEELCASE Tag For H112 FAN ROOM	2*	N/C	N/C
Sub Total			7,058.12
MICHIGAN 6% TAX			423.49
Total			7,481.61
H137 ENGLISH			
32 NL2460 - Elemental Table 24" Depth X 60" Width Nest and Fold, With Casters Worksurface Finish: Smith System Laminate 494360 - CLASSIC LINEN LAMINATE Edge: 1 1/4in Top w 3/8in Bmpr TMId	10*	765.00	7,650.00

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

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Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
32 Edge Finish: Smith System T-Mold CHP - CHAMPAGNE T MOLD Leg Finish: Smith System Paint CHL - CHARCOAL Height: EJ - Adjustable Height SMITH SYST Tag For H137 ENGLISH 24/60-EJ			
33 2221FT1MB.USAR0 - Wit, Side, 4-leg, Mesh Back, Upholstered Seat, Armless Frame Information: FC2: Silver Frame Glide/Caster Selecton: CS6: Hard Floor and Carpet Casters Wit Mesh Back Colors: MC21: Nickel Fabric or Leather Upholstery Selection: FABRIC: Fabric Grade Selections ~: No Selection FG2: Fabric Grade 2 ELEMENT: Element Standard Color Selection RUBY: Element Ruby Package Selection: ~: Std Packaging EXEMPLIS Tag For H137 ENGLISH WIT	20*	261.12	5,222.40
34 RSC24363CF - Cabinet-Storage, 2 adjustable shelves, Flush steel front, 24D x 36W x 40H BASIC: 4799 PLATINUM METALLIC LOCK: 9201 POLISHED CHROME KEYS: SK PLUG TOP OPT: *OPT:TOP OPTIONS STL TOP: STD:1" STEEL TOP STEELCASE Tag For H137 ENGLISH SC/40/36	6*	893.02	5,358.12
35 RSC24365KF - Cabinet-Storage, 4 adjustable shelves, Flush steel front, 24D x 36W x 65 1/2H BASIC: 4799 PLATINUM METALLIC	6*	1,104.34	6,626.04

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

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Description	Quantity	Unit Price	Extended Price
35 LOCK: 9201 POLISHED CHROME KEYS: SK PLUG TOP OPT: *OPT:TOP OPTIONS STL TOP: STD:1" STEEL TOP STEELCASE Tag For H137 ENGLISH SC/65-1/2/36			
36 RATCL24108F - Top-Common, Square edge profile, Laminate, Flush steel front, 23 1/8D x 108W Top Surface Finish: PLASTIC LAMINATE 2HCN - CLAY NOCE (HPL) Edge Finish: PLASTIC 6709 - CLAY NOCE STEELCASE Tag For H137 ENGLISH CT/23/108	2*	516.70	1,033.40
37 TS31402 - Jenny; Chair, 2 arms UPHOLSTRY: BR26 IRON LEG OPT: *OPT:LEG OPTIONS PLASTIC: STD:BLACK PLASTIC LEGS STEELCASE Tag For H137 ENGLISH JENNY	1*	979.97	979.97
38 TS31409 - Jenny; Chair-Round Upholstery Finish: BRISA BR26 - IRON Leg: ALUMINUM LEGS STEELCASE Tag For H137 ENGLISH JENNY	3*	1,115.85	3,347.55
39 N66RD22CL - WHIMSY,22DIA ROUND,MOBILE,LAMINATE TOP LAMINATE: G1009: WHITE NEBBIA UPHOLSTERY GRADE: CFSF: CF STINSON GRADE F DIDI_73: DIDI CARBON KIMBALL OF Tag For H137 ENGLISH N66RD22CL	1*	757.47	757.47
40 N66RD36CL - WHIMSY,36DIA ROUND,MOBILE,LAMINATE TOP LAMINATE:	1*	1,003.10	1,003.10

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

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Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
40 G1009: WHITE NEBBIA UPHOLSTERY GRADE: CFSF: CF STINSON GRADE F DIDI_73: DIDI CARBON KIMBALL OF Tag For H137 ENGLISH RD36CL			
41 21004 - Booktruck-Six Sloping Shelf, With Six Book Supports, 18" Depth x 36" Width x 43" Height Cart Finish: Smith System Paint NV - NAVY Divider Finish: Smith System Plastic BLACK - BLACK SMITH SYST Tag For H137 ENGLISH ST/6SS-D	3*	459.00	1,377.00
42 LOCKFR - FIELD INSTALLED LOCK PLUGS & KEYS, FR Lock Finish: Polished Chrome 9201 - POLISHED CHROME Key: KEY SPECIFIC 12-305 STEELCASE Tag For H137 ENGLISH	12*	N/C	N/C
Sub Total			33,355.05
MICHIGAN 6% TAX			2,001.30
Total			35,356.35
43 LOT - NON UNION STRAIGHT TIME LABOR TO RECEIVE, DELIVER AND INSTALL NEW PRODUCT PER PRINT. ALL WORK TO BE DONE AT ONE TIME. PRICING DOES NOT INCLUDE THE REMOVAL OR RELOCATION OF EXISTING PRODUCT. 3-4 DAYS NEEDED FOR INSTALLATION. ROSE MOVIN	1	11,630.00	11,630.00
45 MONTHLY - MONTHLY STORAGE FEE 3 MONTHS OF STORAGE HAS BEEN QUOTED STORAGE IS NOT PRORATED ROSE MOVIN	3	1,055.00	3,165.00

Quotation Totals	
Sub Total	113,262.06
KIMBALL OF Tariff Charge	297.10
SMITH SYST Tariff Charge	754.16

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

yourNBS.com **Remit Payments to:** NBS, 6973 Reliable Parkway, Chicago, IL 60686

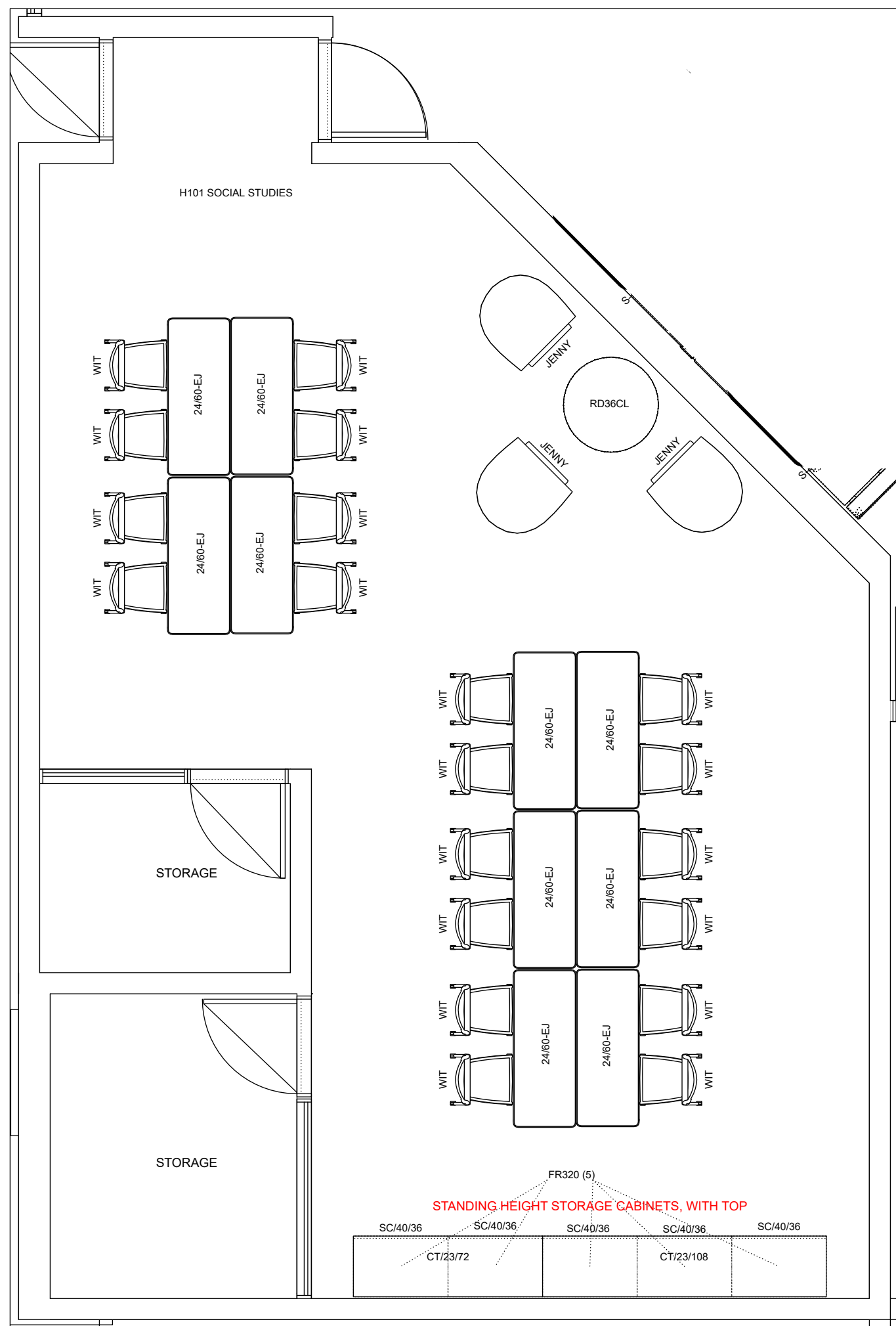
EXEMPLIS Tariff Charge	423.78
SMITH SYST FREIGHT	3,161.00
STEELCASE COM FABRIC	616.00
STEELCASE COM FABRIC	866.00
STEELCASE Surcharge	1,767.55
MICHIGAN 6% TAX	5,908.02
Grand Total	127,055.67

End of Quotation

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

67

ACCEPTED BY _____ TITLE _____ DATE _____







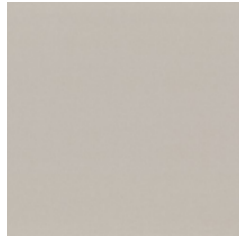


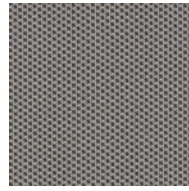
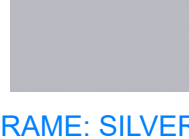






H101 SOCIAL STUDIES OFFICE - SEATS 20

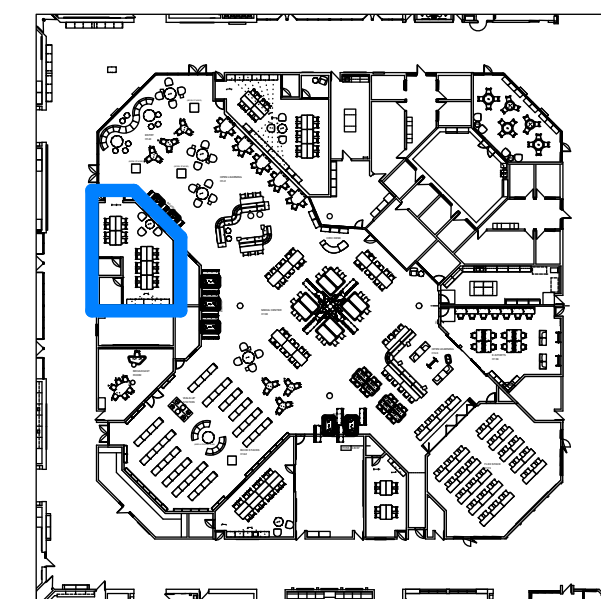


RENDERED VIEW



RENDERED VIEW

 <p>UNIVERSAL STORAGE CABINETS, LAMINATE TOPS</p>  <p>TOP: CLAY NOCE LAMINATE</p>  <p>BASE: PLATINUM METALLIC</p>	 <p>24X60 ELEMENTAL NEST AND FOLD TABLES - CASTERS</p>  <p>TOP: CLASSIC LINEN LAMINATE, CHAMPAGNE EDGE</p>  <p>BASE: CHARCOAL</p>	 <p>WIT CHAIR - CASTERS</p>  <p>MESH BACK: NICKEL</p>  <p>FRAME: SILVER</p>  <p>SEAT: ELEMENT RUBY</p>	 <p>WHIMSY OTTOMAN, WITH LAMINATE TOP</p>  <p>TOP: WHITE NEBBIA LAMINATE</p>  <p>SIDE: DIDI CARBON</p>
 <p>JENNY CHAIR - ROUND</p>  <p>UPHOLSTERY: BRISA IRON</p>			



LOCATION PLAN
AUDIT Q#388589

GENERAL NOTES:
NOT FOR CONSTRUCTION 69
ALL STRUCTURAL, MECHANICAL & ELECTRICAL ENGINEERING IS THE RESPONSIBILITY OF OTHERS.
ALL FURNITURE & DESIGN DRAWINGS ARE IN CONFIDENCE & DISSEMINATION MAY NOT BE MADE WITHOUT PRIOR WRITTEN CONSENT OF NBS. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE ARE HEREBY SPECIFICALLY RESERVED.
FINAL FURNITURE FIT & PLACEMENT IS SUBJECT TO ANY VARIATION FROM THIS PLAN DUE TO CONSTRUCTION CHANGES, FIELD CONDITIONS, MATERIAL DIFFERENCES OR CHANGES REQUIRED FOR ANY REASON WITH NOTIFICATION TO NBS.
IF NBS DID NOT DESIGN THIS PROJECT, NBS DOES NOT ASSUME RESPONSIBILITY FOR THE DESIGN, SPECIFICATION OF PARTS OR APPLICATION OF PRODUCTS INCLUDED IN THIS BID. NBS HAS ONLY RESPONDED TO THE PRICING REQUEST FOR THE SPECIFICATIONS

APPROVED BY: DATE:

APPROVED APPROVED AS NOTED

03/14/25	Issued For Preliminary
04/30/25	Issued For AUDIT
06/06/25	Issued For Review

OWNER:
Livonia Public Schools

PROJECT:
DEPARTMENT OFFICES

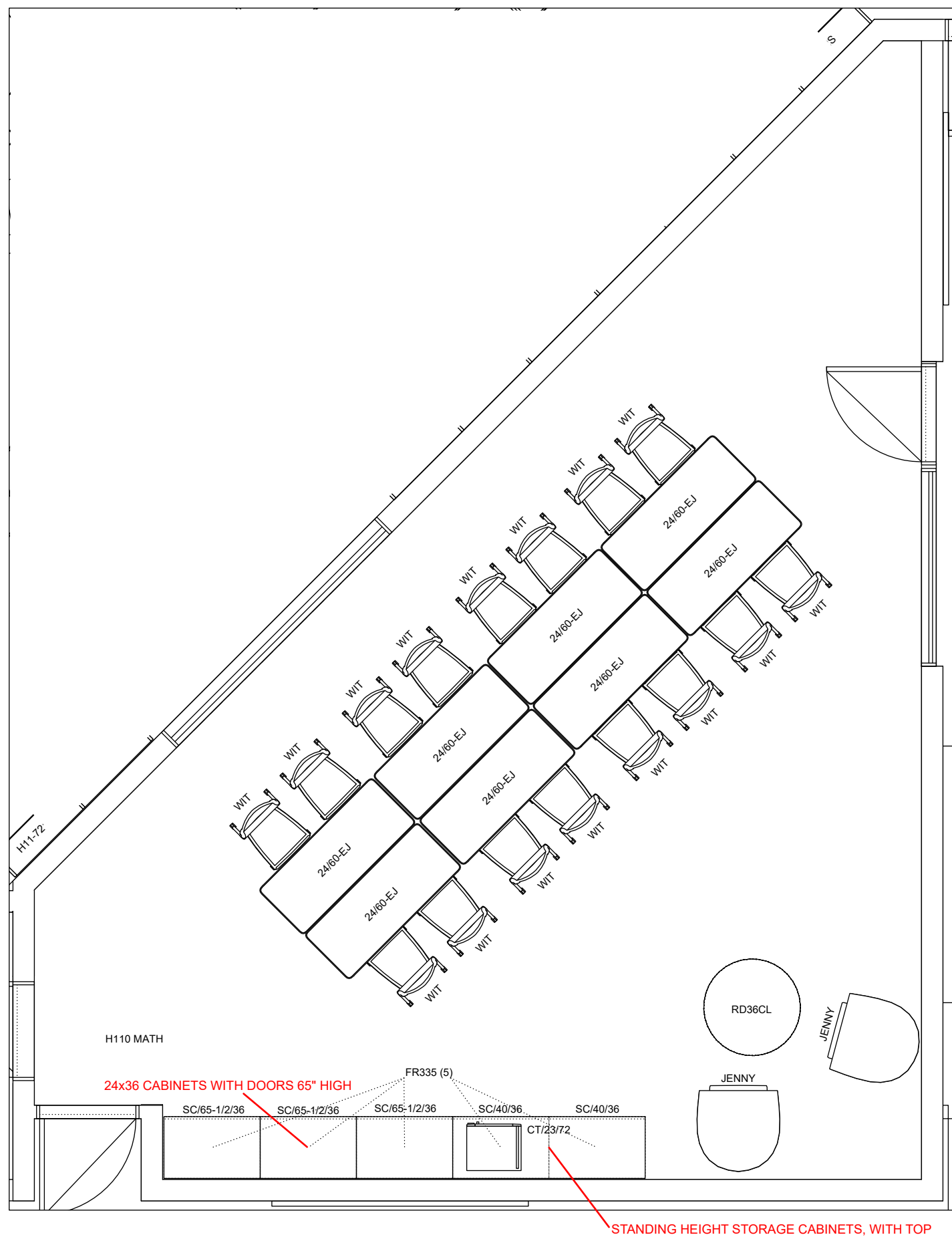
8900 NEWBURGH RD.
LIVONIA, MI

PROJECT FOLDER:	250318
HEDBERG ORDER #:	TBD
ACCOUNT MANAGER:	MDUGAN
DESIGNER:	MBRY
PROJECT MANAGER:	FKREN

DRAWING:
H101 SOCIAL STUDIES OFFICE

DRAWING NUMBER:

ID-3.1B





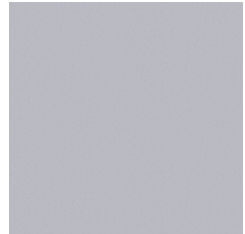

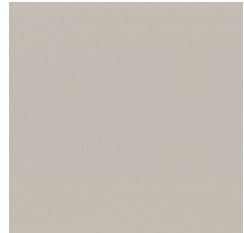


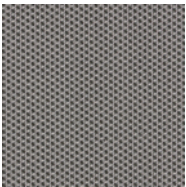



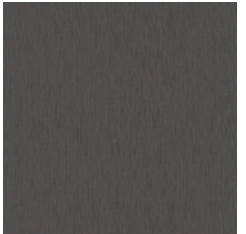


H110 MATH OFFICE - SEATS 16

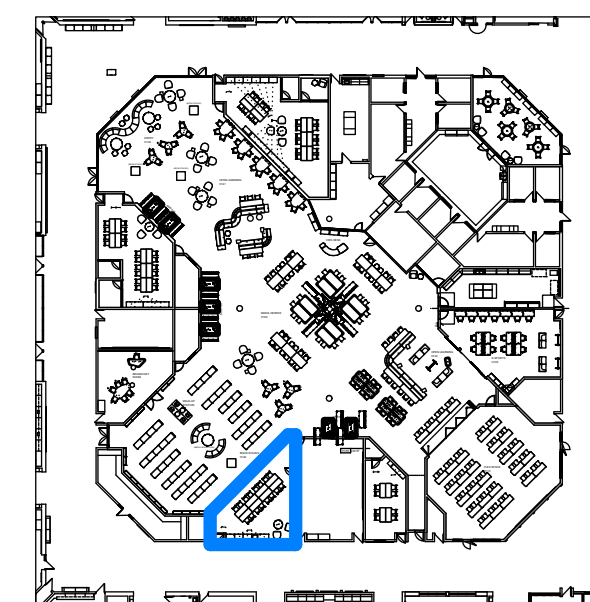


RENDERED VIEW



RENDERED VIEW

 <p>UNIVERSAL STORAGE CABINETS, LAMINATE TOPS</p>  <p>TOP: CLAY NOCE LAMINATE</p>  <p>BASE: PLATINUM METALLIC</p>	 <p>24X60 ELEMENTAL NEST AND FOLD TABLES - CASTERS</p>  <p>TOP: CLASSIC LINEN LAMINATE, CHAMPAGNE EDGE</p>  <p>BASE: CHARCOAL</p>	 <p>WIT CHAIR - CASTERS</p>  <p>MESH BACK: NICKEL</p>  <p>FRAME: SILVER</p>  <p>SEAT: ELEMENT RUBY</p>	 <p>WHIMSY OTTOMAN, WITH LAMINATE TOP</p>  <p>TOP: WHITE NEBBIA LAMINATE</p>  <p>SIDE: DIDI CARBON</p>
 <p>JENNY CHAIR - ROUND</p>  <p>UPHOLSTERY: BRISA IRON</p>			



LOCATION PLAN

AUDIT Q#388589

GENERAL NOTES:
NOT FOR CONSTRUCTION 70
ALL STRUCTURAL, MECHANICAL & ELECTRICAL ENGINEERING IS THE RESPONSIBILITY OF OTHERS.
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IF NBS DID NOT DESIGN THIS PROJECT, NBS DOES NOT ASSUME RESPONSIBILITY FOR THE DESIGN, SPECIFICATION OF PARTS OR APPLICATION OF PRODUCTS INCLUDED IN THIS BID. NBS HAS ONLY RESPONDED TO THE PRICING REQUEST FOR THE SPECIFICATIONS

APPROVED BY: DATE:

APPROVED APPROVED AS NOTED

03/14/25	Issued For Preliminary
04/30/25	Issued For AUDIT
06/06/25	Issued For Review

OWNER:
Livonia Public Schools

PROJECT:
DEPARTMENT OFFICES

8900 NEWBURGH RD.
LIVONIA, MI

PROJECT FOLDER:	250318
HEDBERG ORDER #:	TBD
ACCOUNT MANAGER:	MDUGAN
DESIGNER:	MBRY
PROJECT MANAGER:	FKREN

H110 MATH OFFICE

DRAWING NUMBER:

ID-3.1C

GENERAL NOTES:
NOT FOR CONSTRUCTION 71
ALL STRUCTURAL, MECHANICAL & ELECTRICAL ENGINEERING IS THE RESPONSIBILITY OF OTHERS.
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APPROVED BY: DATE:

APPROVED APPROVED AS NOTED

03/14/25	Issued For Preliminary
04/30/25	Issued For AUDIT
06/06/25	Issued For Review

OWNER:

Livonia Public Schools

PROJECT:
DEPARTMENT OFFICES

8900 NEWBURGH RD.
LIVONIA, MI

PROJECT FOLDER: 250318

HEDBERG ORDER #: TBD

ACCOUNT MANAGER: MDUGAN

DESIGNER: MBRY

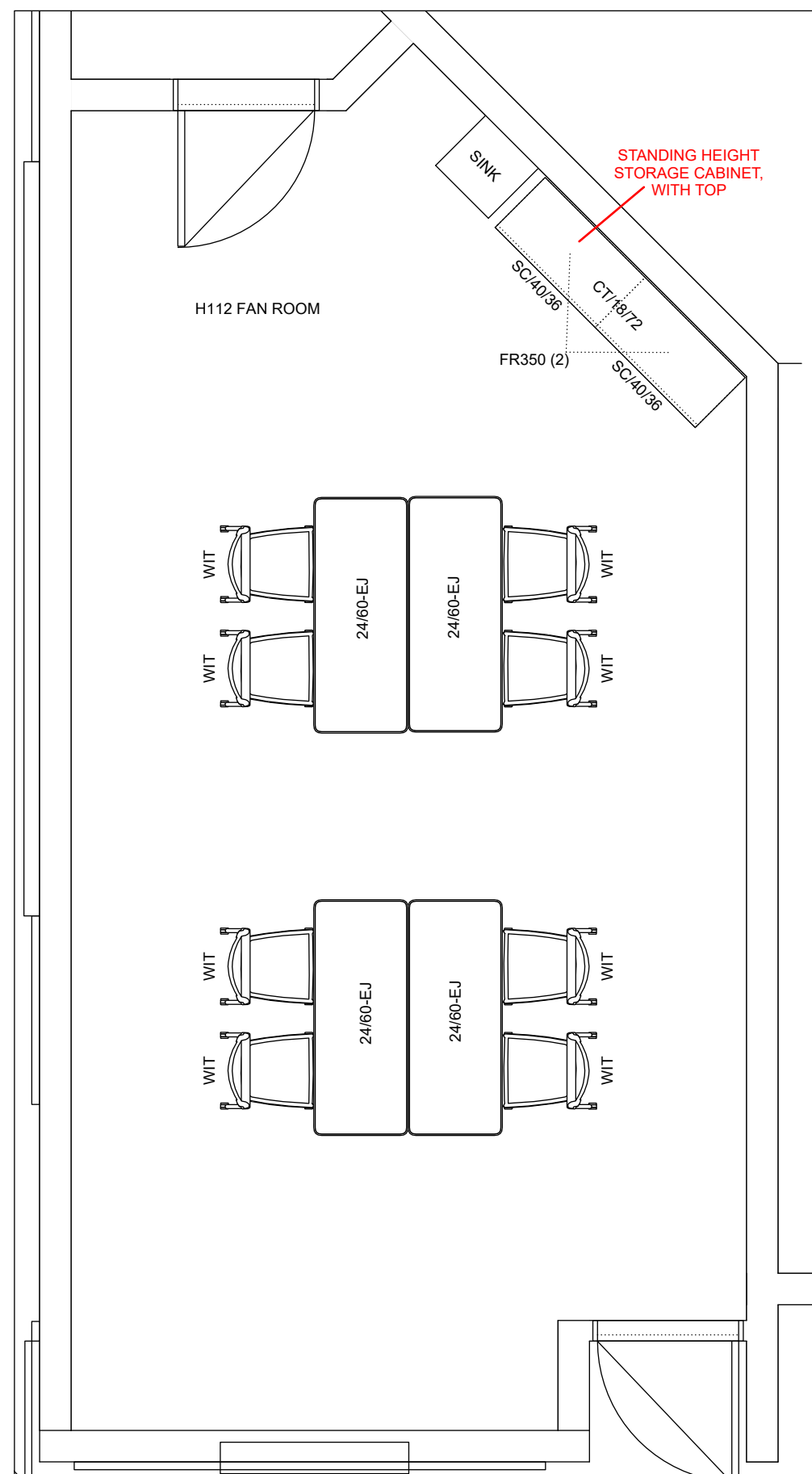
PROJECT MANAGER: FKREN

DRAWING:

H112 FAN ROOM

DRAWING NUMBER:

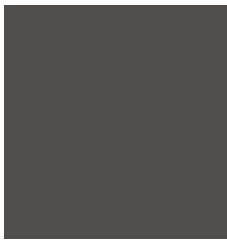
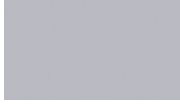
ID-3.1D



H112 FAN ROOM - SEATS 8

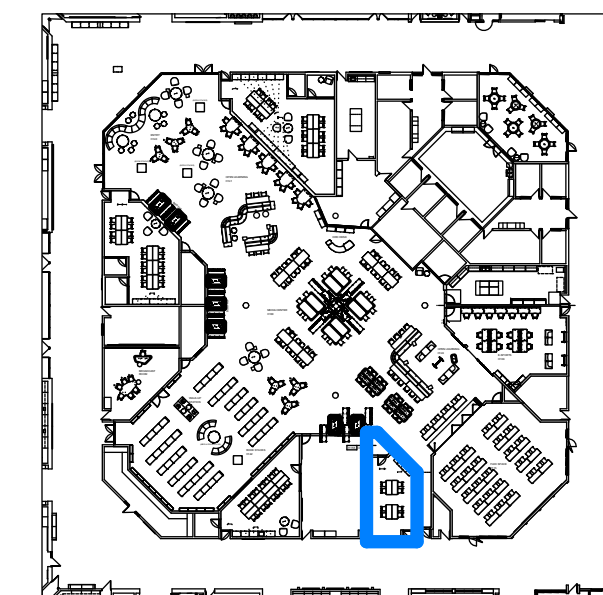


RENDERED VIEW

 <p>UNIVERSAL STORAGE CABINETS, LAMINATE TOPS</p>	 <p>24X60 ELEMENTAL NEST AND FOLD TABLES - CASTERS</p>	 <p>WIT CHAIR - CASTERS</p>
 <p>TOP: CLAY NOCE LAMINATE</p>	 <p>TOP: CLASSIC LINEN LAMINATE, CHAMPAGNE EDGE</p>	 <p>MESH BACK: NICKEL</p>
 <p>BASE: PLATINUM METALLIC</p>	 <p>BASE: CHARCOAL</p>	 <p>FRAME: SILVER</p>
		 <p>SEAT: ELEMENT RUBY</p>

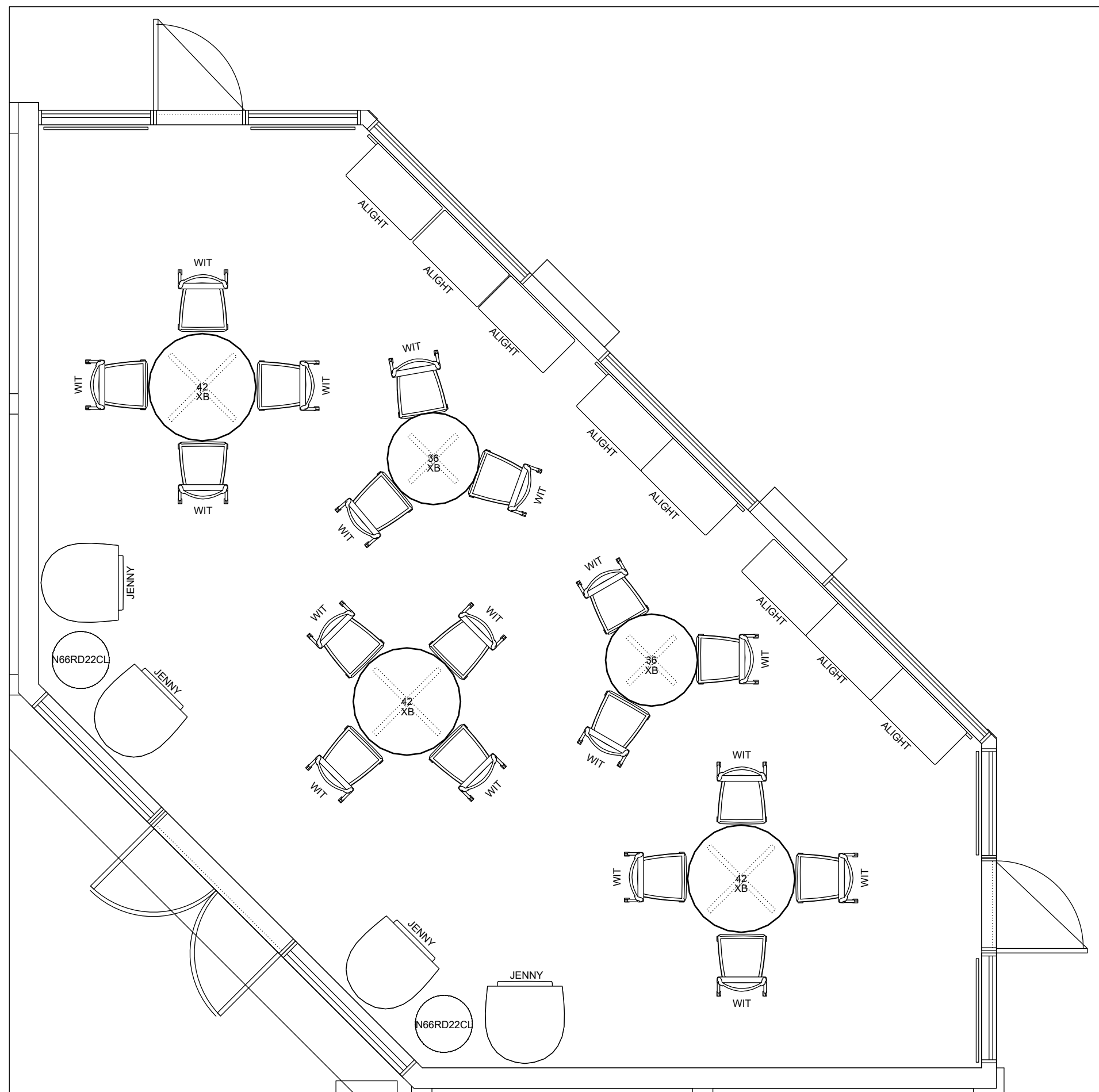


RENDERED VIEW



LOCATION PLAN

AUDIT Q#388589



CIC ROOM - SEATS 30

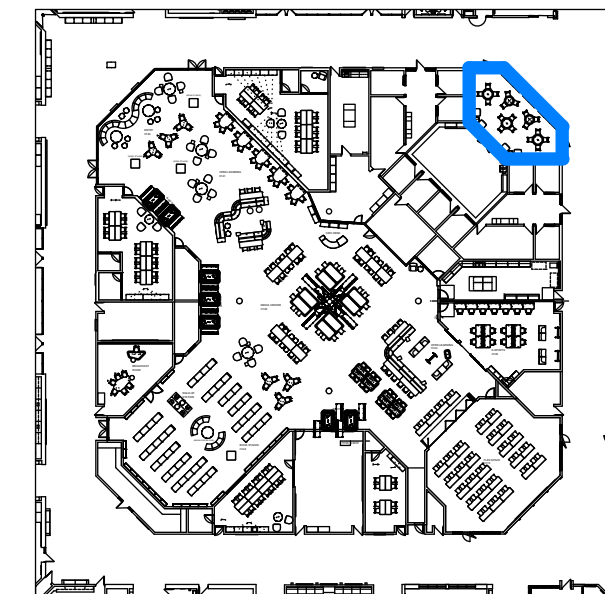
<p>UNIVERSAL ROUND TABLE, X-BASE 36 AND 42 DIAMETER</p>	<p>WIT CHAIR - CASTERS</p>	<p>JENNY CHAIR - ROUND</p>	<p>WHIMSY OTTOMAN, WITH LAMINATE TOP</p>	<p>ALIGHT OTTOMAN</p>
<p>TOP: CLAY NOCE LAMINATE</p>	<p>MESH BACK: NICKEL</p>	<p>UPHOLSTERY: BRISA IRON</p>	<p>TOP: WHITE NEBBIA LAMINATE</p>	<p>UPHOLSTERY: SWIFT MESA</p>
<p>BASE: PLATINUM METALLIC</p>	<p>FRAME: SILVER</p> <p>SEAT: ELEMENT RUBY</p>		<p>SIDE: DIDI CARBON</p>	<p>UPHOLSTERY: BIG DOT GRAPHITE</p>



RENDERED VIEW



RENDERED VIEW



LOCATION PLAN

AUDIT Q#388589

GENERAL NOTES:
NOT FOR CONSTRUCTION 72
ALL STRUCTURAL, MECHANICAL & ELECTRICAL ENGINEERING IS THE RESPONSIBILITY OF OTHERS.
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APPROVED BY: DATE:

APPROVED APPROVED AS NOTED

04/04/25	Issued For Preliminary
04/23/25	Issued For Review
04/30/25	Issued For AUDIT
06/06/25	Issued For Review

OWNER:
Livonia Public Schools

PROJECT:
DEPARTMENT OFFICES

8900 NEWBURGH RD.
LIVONIA, MI

PROJECT FOLDER:	250318
HEDBERG ORDER #:	TBD
ACCOUNT MANAGER:	MDUGAN
DESIGNER:	MBRY
PROJECT MANAGER	FKREN

CIC ROOM

DRAWING NUMBER:

ID-3.1E



Quote To

Katrina Villasenor
 Livonia Public Schools
 15125 FARMINGTON RD
 LIVONIA, MI, 48154-5413

Ship To

HARRY LAU
 Churchill High School
 8900 NEWBURGH RD
 DEPARTMENT OFFICES
 LIVONIA, MI, 48150-3425

Phone +1 (734) 744-2584

ap@livoniapublicschools.org

Phone +1 (734) 744-2537

Cell +1 (734) 812-8597

hlau@livoniapublicschools.org

Sales Location Troy

This quote is valid until June 12, 2025. Steelcase & Exempris/SOI are having price increases on June 16th - this quote does not reflect this increase. A PO would need to be received by June 12th at 5 pm to receive the pricing shown on this quote.

Product ordered before the price increase must ship by Sept. 13th - storage has been quoted if product needs to be stored to accommodate this deadline.

The following contracts have been utilized for pricing on this quote:
 E&I 21Z00987 & Omnia R191814

PO required to place order. Please reference NBS quote number on your PO.

Quote includes non-union straight time labor for NBS to receive, deliver and install; any owner requested changes requiring additional delivery trip(s) will result in additional charges to be quoted separately.

Receipt of PO indicates owner approval of product as specified; upon release of order, no changes, cancellations or returns can be made.

The prices quoted are based on current governmental laws and regulations. In the event of any changes in laws, regulations, tariffs, taxes, or other governmental mandates that increase the cost of goods, materials, or services, NBS reserves the right to adjust pricing accordingly. Any such price adjustments will be communicated in writing.

Pricing does not include the removal or relocation of existing product.

Lead time: 10-12 weeks from receipt of PO.

Description	Quantity	Unit Price	Extended Price
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CIC ROOM

1	BFR36 - Table-Round, 36 dia Edge Finish: PLASTIC 6709 - CLAY NOCE Top Surface Finish: LAMINATE FINISHES 2HCN - CLAY NOCE (HPL)	2*	252.51	505.02
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TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

yourNBS.com

Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
1 STEELCASE Tag For CIC ROOM 36			
2 BFR42 - Table-Round, 42 dia Edge Finish: PLASTIC 6709 - CLAY NOCE Top Surface Finish: LAMINATE FINISHES 2HCN - CLAY NOCE (HPL) STEELCASE Tag For CIC ROOM 42	3*	280.60	841.80
3 BX26 - Base-X, 26W Base Finish: METALLIC PAINT 4799 - PLATINUM METALLIC Column Finish: METALLIC PAINT 4799 - PLATINUM METALLIC STEELCASE Tag For CIC ROOM XB	2*	206.66	413.32
4 BX36 - Base-X, 36W Base Finish: METALLIC PAINT 4799 - PLATINUM METALLIC Column Finish: METALLIC PAINT 4799 - PLATINUM METALLIC STEELCASE Tag For CIC ROOM XB	3*	263.60	790.80
5 2221FT1MB.USAR0 - Wit, Side, 4-leg, Mesh Back, Upholstered Seat, Armless Frame Information: FC2: Silver Frame Glide/Caster Selecton: CS6: Hard Floor and Carpet Casters Wit Mesh Back Colors: MC21: Nickel Fabric or Leather Upholstery Selection: FABRIC: Fabric Grade Selections ~: No Selection FG2: Fabric Grade 2 ELEMENT: Element Standard Color Selection RUBY: Element Ruby Package Selection: ~: Std Packaging EXEMPLIS	18*	261.12	4,700.16

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

yourNBS.com

Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
5 Tag For CIC ROOM WIT			
7 TS31409 - Jenny; Chair-Round Upholstery Finish: BRISA BR26 - IRON Leg: ALUMINUM LEGS STEELCASE Tag For CIC ROOM JENNY	4*	1,115.85	4,463.40
8 TS34403 - OTTOMAN-ALIGHT,BENCH Upholstery Finish: CUST OWN MAT 5999 - MISC FABRIC DESIGNTEX INC Purchaser: VENDOR Pattern: BIG DOT -3525 Color: GRAPHITE -804 Direction: HORIZONTAL Leg: ALUMINUM LEGS STEELCASE Tag For CIC ROOM ALIGHT	4*	440.32	1,761.28
9 TS34403 - OTTOMAN-ALIGHT,BENCH Upholstery Finish: CUST OWN MAT 5999 - MISC FABRIC DESIGNTEX INC Purchaser: VENDOR Pattern: SWIFT -8230 Color: MESA -002 Direction: VERTICAL Leg: ALUMINUM LEGS STEELCASE Tag For CIC ROOM ALIGHT	4*	440.32	1,761.28
10 N66RD22CL - WHIMSY,22DIA ROUND,MOBILE,LAMINATE TOP LAMINATE: G1009: WHITE NEBBIA UPHOLSTERY GRADE: CFSF: CF STINSON GRADE F DIDI_73: DIDI CARBON KIMBALL OF Tag For CIC ROOM N66RD22CL	2*	757.47	1,514.94

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

75

ACCEPTED BY _____ TITLE _____ DATE _____

yourNBS.com

Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
Sub Total			16,752.00
MICHIGAN 6% TAX			1,005.12
Total			17,757.12

H101 SOCIAL STUDIES

<p>11</p> <p>NL2460 - Elemental Table 24" Depth X 60" Width Nest and Fold, With Casters Worksurface Finish: Smith System Laminate 494360 - CLASSIC LINEN LAMINATE Edge: 1 1/4in Top w 3/8in Bmpr TMId Edge Finish: Smith System T-Mold CHP - CHAMPAGNE T MOLD Leg Finish: Smith System Paint CHL - CHARCOAL Height: EJ - Adjustable Height SMITH SYST Tag For H101 SOCIAL STUDIES 24/60-EJ</p>	<p>10*</p>	<p>765.00</p>	<p>7,650.00</p>
<p>12</p> <p>2221FT1MB.USAR0 - Wit, Side, 4-leg, Mesh Back, Upholstered Seat, Armless Frame Information: FC2: Silver Frame Glide/Caster Selecton: CS6: Hard Floor and Carpet Casters Wit Mesh Back Colors: MC21: Nickel Fabric or Leather Upholstery Selection: FABRIC: Fabric Grade Selections ~: No Selection FG2: Fabric Grade 2 ELEMENT: Element Standard Color Selection RUBY: Element Ruby Package Selection: ~: Std Packaging EXEMPLIS Tag For H101 SOCIAL STUDIES WIT</p>	<p>20*</p>	<p>261.12</p>	<p>5,222.40</p>
<p>13</p> <p>RSC24363CF - Cabinet-Storage, 2 adjustable shelves, Flush steel front, 24D x 36W x 40H BASIC: 4799 PLATINUM METALLIC LOCK: 9201 POLISHED CHROME</p>	<p>5*</p>	<p>893.02</p>	<p>4,465.10</p>

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

yourNBS.com

Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
13 KEYS: SK PLUG TOP OPT: *OPT:TOP OPTIONS STL TOP: STD:1" STEEL TOP STEELCASE Tag For H101 SOCIAL STUDIES SC/40/36			
14 RATCL24108F - Top-Common, Square edge profile, Laminate, Flush steel front, 23 1/8D x 108W Top Surface Finish: PLASTIC LAMINATE 2HCN - CLAY NOCE (HPL) Edge Finish: PLASTIC 6709 - CLAY NOCE STEELCASE Tag For H101 SOCIAL STUDIES CT/23/108	1*	516.70	516.70
15 RATCL2472F - Top-Common, Square edge profile, Laminate, Flush steel front, 23 1/8D x 72W Top Surface Finish: PLASTIC LAMINATE 2HCN - CLAY NOCE (HPL) Edge Finish: PLASTIC 6709 - CLAY NOCE STEELCASE Tag For H101 SOCIAL STUDIES CT/23/72	1*	232.63	232.63
16 TS31409 - Jenny; Chair-Round Upholstery Finish: BRISA BR26 - IRON Leg: ALUMINUM LEGS STEELCASE Tag For H101 SOCIAL STUDIES JENNY	3*	1,115.85	3,347.55
17 N66RD36CL - WHIMSY,36DIA ROUND,MOBILE,LAMINATE TOP LAMINATE: G1009: WHITE NEBBIA UPHOLSTERY GRADE: CFSF: CF STINSON GRADE F DIDI_73: DIDI CARBON KIMBALL OF Tag For H101 SOCIAL STUDIES RD36CL	1*	1,003.10	1,003.10
18 LOCKFR - FIELD INSTALLED LOCK PLUGS & KEYS, FR Lock Finish: Polished Chrome 9201 - POLISHED CHROME Key: KEY SPECIFIC	5*	N/C	N/C

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

yourNBS.com

Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
18 5-320 STEELCASE Tag For H101 SOCIAL STUDIES			

Sub Total	22,437.48
MICHIGAN 6% TAX	1,346.25
Total	23,783.73

H110 MATH

19	NL2460 - Elemental Table 24" Depth X 60" Width Nest and Fold, With Casters Worksurface Finish: Smith System Laminate 494360 - CLASSIC LINEN LAMINATE Edge: 1 1/4in Top w 3/8in Bmpr TMId Edge Finish: Smith System T-Mold CHP - CHAMPAGNE T MOLD Leg Finish: Smith System Paint CHL - CHARCOAL Height: EJ - Adjustable Height SMITH SYST Tag For H110 MATH 24/60-EJ	8*	765.00	6,120.00
20	2221FT1MB.USAR0 - Wit, Side, 4-leg, Mesh Back, Upholstered Seat, Armless Frame Information: FC2: Silver Frame Glide/Caster Selecton: CS6: Hard Floor and Carpet Casters Wit Mesh Back Colors: MC21: Nickel Fabric or Leather Upholstery Selection: FABRIC: Fabric Grade Selections ~: No Selection FG2: Fabric Grade 2 ELEMENT: Element Standard Color Selection RUBY: Element Ruby Package Selection: ~: Std Packaging EXEMPLIS Tag For H110 MATH WIT	16*	261.12	4,177.92

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

78

ACCEPTED BY _____ TITLE _____ DATE _____

yourNBS.com

Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
21 RSC24365KF - Cabinet-Storage, 4 adjustable shelves, Flush steel front, 24D x 36W x 65 1/2H BASIC: 4799 PLATINUM METALLIC LOCK: 9201 POLISHED CHROME KEYS: SK PLUG TOP OPT: *OPT:TOP OPTIONS STL TOP: STD:1" STEEL TOP STEELCASE Tag For H110 MATH SC/65-1/2/36	3*	1,104.34	3,313.02
22 RSC24363CF - Cabinet-Storage, 2 adjustable shelves, Flush steel front, 24D x 36W x 40H BASIC: 4799 PLATINUM METALLIC LOCK: 9201 POLISHED CHROME KEYS: SK PLUG TOP OPT: *OPT:TOP OPTIONS STL TOP: STD:1" STEEL TOP STEELCASE Tag For H110 MATH SC/40/36	2*	893.02	1,786.04
23 RATCL2472F - Top-Common, Square edge profile, Laminate, Flush steel front, 23 1/8D x 72W Top Surface Finish: PLASTIC LAMINATE 2HCN - CLAY NOCE (HPL) Edge Finish: PLASTIC 6709 - CLAY NOCE STEELCASE Tag For H110 MATH CT/23/72	1*	232.63	232.63
24 TS31409 - Jenny; Chair-Round Upholstery Finish: BRISA BR26 - IRON Leg: ALUMINUM LEGS STEELCASE Tag For H110 MATH JENNY	2*	1,115.85	2,231.70
25 N66RD36CL - WHIMSY,36DIA ROUND,MOBILE,LAMINATE TOP LAMINATE: G1009: WHITE NEBBIA UPHOLSTERY GRADE: CFSF: CF STINSON GRADE F DIDI_73: DIDI CARBON	1*	1,003.10	1,003.10

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

yourNBS.com

Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
25 KIMBALL OF Tag For H110 MATH RD36CL			
26 LOCKFR - FIELD INSTALLED LOCK PLUGS & KEYS, FR Lock Finish: Polished Chrome 9201 - POLISHED CHROME Key: KEY SPECIFIC 5-335 STEELCASE Tag For H110 MATH	5*	N/C	N/C
Sub Total			18,864.41
MICHIGAN 6% TAX			1,131.86
Total			19,996.27

H112 FAN ROOM

27 NL2460 - Elemental Table 24" Depth X 60" Width Nest and Fold, With Casters Worksurface Finish: Smith System Laminate 494360 - CLASSIC LINEN LAMINATE Edge: 1 1/4in Top w 3/8in Bmpr TMId Edge Finish: Smith System T-Mold CHP - CHAMPAGNE T MOLD Leg Finish: Smith System Paint CHL - CHARCOAL Height: EJ - Adjustable Height SMITH SYST Tag For H112 FAN ROOM 24/60-EJ	4*	765.00	3,060.00
28 2221FT1MB.USAR0 - Wit, Side, 4-leg, Mesh Back, Upholstered Seat, Armless Frame Information: FC2: Silver Frame Glide/Caster Selecton: CS6: Hard Floor and Carpet Casters Wit Mesh Back Colors: MC21: Nickel Fabric or Leather Upholstery Selection: FABRIC: Fabric Grade Selections ~: No Selection FG2: Fabric Grade 2 ELEMENT: Element Standard Color Selection	8*	261.12	2,088.96

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

80

ACCEPTED BY _____ TITLE _____ DATE _____

yourNBS.com

Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
28 RUBY: Element Ruby Package Selection: ~: Std Packaging EXEMPLIS Tag For H112 FAN ROOM WIT			
29 RSC18363CF - Cabinet-Storage, 2 adjustable shelves, Flush steel front, 18D x 36W x 40H BASIC: 4799 PLATINUM METALLIC LOCK: 9201 POLISHED CHROME KEYS: SK PLUG TOP OPT: *OPT:TOP OPTIONS STL TOP: STD:1" STEEL TOP STEELCASE Tag For H112 FAN ROOM SC/40/36	2*	840.84	1,681.68
30 RATCL1872F - Top-Common, Square edge profile, Laminate, Flush steel front, 18D x 72W Top Surface Finish: PLASTIC LAMINATE 2HCN - CLAY NOCE (HPL) Edge Finish: PLASTIC 6709 - CLAY NOCE STEELCASE Tag For H112 FAN ROOM CT/18/72	1*	227.48	227.48
31 LOCKFR - FIELD INSTALLED LOCK PLUGS & KEYS, FR Lock Finish: Polished Chrome 9201 - POLISHED CHROME Key: KEY SPECIFIC 2-350 STEELCASE Tag For H112 FAN ROOM	2*	N/C	N/C
Sub Total			7,058.12
MICHIGAN 6% TAX			423.49
Total			7,481.61
H137 ENGLISH			
32 NL2460 - Elemental Table 24" Depth X 60" Width Nest and Fold, With Casters Worksurface Finish: Smith System Laminate 494360 - CLASSIC LINEN LAMINATE Edge: 1 1/4in Top w 3/8in Bmpr TMId	10*	765.00	7,650.00

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

yourNBS.com

Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
32 Edge Finish: Smith System T-Mold CHP - CHAMPAGNE T MOLD Leg Finish: Smith System Paint CHL - CHARCOAL Height: EJ - Adjustable Height SMITH SYST Tag For H137 ENGLISH 24/60-EJ			
33 2221FT1MB.USAR0 - Wit, Side, 4-leg, Mesh Back, Upholstered Seat, Armless Frame Information: FC2: Silver Frame Glide/Caster Selecton: CS6: Hard Floor and Carpet Casters Wit Mesh Back Colors: MC21: Nickel Fabric or Leather Upholstery Selection: FABRIC: Fabric Grade Selections ~: No Selection FG2: Fabric Grade 2 ELEMENT: Element Standard Color Selection RUBY: Element Ruby Package Selection: ~: Std Packaging EXEMPLIS Tag For H137 ENGLISH WIT	20*	261.12	5,222.40
34 RSC24363CF - Cabinet-Storage, 2 adjustable shelves, Flush steel front, 24D x 36W x 40H BASIC: 4799 PLATINUM METALLIC LOCK: 9201 POLISHED CHROME KEYS: SK PLUG TOP OPT: *OPT:TOP OPTIONS STL TOP: STD:1" STEEL TOP STEELCASE Tag For H137 ENGLISH SC/40/36	6*	893.02	5,358.12
35 RSC24365KF - Cabinet-Storage, 4 adjustable shelves, Flush steel front, 24D x 36W x 65 1/2H BASIC: 4799 PLATINUM METALLIC	6*	1,104.34	6,626.04

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

82

ACCEPTED BY _____ TITLE _____ DATE _____

yourNBS.com

Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
35 LOCK: 9201 POLISHED CHROME KEYS: SK PLUG TOP OPT: *OPT:TOP OPTIONS STL TOP: STD:1" STEEL TOP STEELCASE Tag For H137 ENGLISH SC/65-1/2/36			
36 RATCL24108F - Top-Common, Square edge profile, Laminate, Flush steel front, 23 1/8D x 108W Top Surface Finish: PLASTIC LAMINATE 2HCN - CLAY NOCE (HPL) Edge Finish: PLASTIC 6709 - CLAY NOCE STEELCASE Tag For H137 ENGLISH CT/23/108	2*	516.70	1,033.40
37 TS31402 - Jenny; Chair, 2 arms UPHOLSTRY: BR26 IRON LEG OPT: *OPT:LEG OPTIONS PLASTIC: STD:BLACK PLASTIC LEGS STEELCASE Tag For H137 ENGLISH JENNY	1*	979.97	979.97
38 TS31409 - Jenny; Chair-Round Upholstery Finish: BRISA BR26 - IRON Leg: ALUMINUM LEGS STEELCASE Tag For H137 ENGLISH JENNY	3*	1,115.85	3,347.55
39 N66RD22CL - WHIMSY,22DIA ROUND,MOBILE,LAMINATE TOP LAMINATE: G1009: WHITE NEBBIA UPHOLSTERY GRADE: CFSF: CF STINSON GRADE F DIDI_73: DIDI CARBON KIMBALL OF Tag For H137 ENGLISH N66RD22CL	1*	757.47	757.47
40 N66RD36CL - WHIMSY,36DIA ROUND,MOBILE,LAMINATE TOP LAMINATE:	1*	1,003.10	1,003.10

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

yourNBS.com

Remit Payments to: NBS, 6973 Reliable Parkway, Chicago, IL 60686

Description	Quantity	Unit Price	Extended Price
40 G1009: WHITE NEBBIA UPHOLSTERY GRADE: CFSF: CF STINSON GRADE F DIDI_73: DIDI CARBON KIMBALL OF Tag For H137 ENGLISH RD36CL			
41 21004 - Booktruck-Six Sloping Shelf, With Six Book Supports, 18" Depth x 36" Width x 43" Height Cart Finish: Smith System Paint NV - NAVY Divider Finish: Smith System Plastic BLACK - BLACK SMITH SYST Tag For H137 ENGLISH ST/6SS-D	3*	459.00	1,377.00
42 LOCKFR - FIELD INSTALLED LOCK PLUGS & KEYS, FR Lock Finish: Polished Chrome 9201 - POLISHED CHROME Key: KEY SPECIFIC 12-305 STEELCASE Tag For H137 ENGLISH	12*	N/C	N/C
Sub Total			33,355.05
MICHIGAN 6% TAX			2,001.30
Total			35,356.35
43 LOT - NON UNION STRAIGHT TIME LABOR TO RECEIVE, DELIVER AND INSTALL NEW PRODUCT PER PRINT. ALL WORK TO BE DONE AT ONE TIME. PRICING DOES NOT INCLUDE THE REMOVAL OR RELOCATION OF EXISTING PRODUCT. 3-4 DAYS NEEDED FOR INSTALLATION. ROSE MOVIN	1	11,630.00	11,630.00
45 MONTHLY - MONTHLY STORAGE FEE 3 MONTHS OF STORAGE HAS BEEN QUOTED STORAGE IS NOT PRORATED ROSE MOVIN	3	1,055.00	3,165.00

Quotation Totals	
Sub Total	113,262.06
KIMBALL OF Tariff Charge	297.10
SMITH SYST Tariff Charge	754.16

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

yourNBS.com **Remit Payments to:** NBS, 6973 Reliable Parkway, Chicago, IL 60686

EXEMPLIS Tariff Charge	423.78
SMITH SYST FREIGHT	3,161.00
STEELCASE COM FABRIC	616.00
STEELCASE COM FABRIC	866.00
STEELCASE Surcharge	1,767.55
MICHIGAN 6% TAX	5,908.02
Grand Total	127,055.67

End of Quotation

TITLE OF PRODUCT TRANSFERS UPON RECEIPT BY CUSTOMER.

85

ACCEPTED BY _____ TITLE _____ DATE _____



Livonia Public Schools

District Services

Date: June 12, 2025

To: Andrea Oquist, Superintendent

From: Phillip Francis, Assistant Superintendent for District Services

Re: Food Service Purchase

I would like to discuss the purchase of the following Food & Nutrition Service Department items at the next Committee of the Whole meeting on Monday, June 16, 2025. These vendors will supply the required items for the department to provide breakfast and lunch meals, along with ancillary items needed for the district's kitchens.

Van Eerden, Grand Rapids, MI = \$3,000,000
Cedar Crest Dairy, Hudsonville, MI = \$300,000
AJD Pizza/Domino's = \$250,000
MMAS Solutions, Livonia, MI = \$200,000
Livonia Italian Bakery, Livonia, MI = \$100,000

Please add this item to the agenda. Thank you.

Attachment

c: Board of Education

PF/AS

VanEerden Food Distribution

Contract # 16-010-256 Bid through RESA

Cedar Crest Dairy

Contract # 325-48-030320 Bid through CoPro+

AJD Pizza/Domino's

Entering year 2 of a three year contract

SMALL PURCHASE INFORMAL PROCUREMENT LOG

Fiscal Year 2025/26

Vendor 1: MMA Solution

Vendor 2: Amazon

Vendor 3: Green Paper Products

Items to be Purchased – Food and Non-Food Items	Quantity Expected to Buy	Unit/Each Price	Extended Price (Quantity x Unit Price)	Unit/Each Price	Extended Price (Quantity x Unit Price)	Unit/Each Price	Extended Price (Quantity x Unit Price)
<i>Compostable</i>							
<i>5 Comp trays</i>			<i>59.75 / CS 500 CT</i>		<i>28.99 / 125</i>		<i>79.95 400 / CS</i>
					<i>115.96 / CS 500 CT</i>		
Total Cost:			\$		\$		\$

88

Circle/List Method of Contact and Date Obtained: <i>History of use</i> <i>Will warehouse until we need</i>	Internet Newspaper/Flyer In person Telephone Other: _____	Internet Newspaper/Flyer In person Telephone Other: _____	Internet Newspaper/Flyer In person Telephone Other: _____
Rationale for Purchasing Decision: (Examples: price, location, convenience, store incentive program/discount, store credit card, or other justification).			
Vendor Selected:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Signature of person completing form:	<i>P Schulz</i>		Date:



SMALL PURCHASE INFORMAL PROCUREMENT LOG

Fiscal Year 20 25/2026

Vendor 1: Livonia Italian Bakery

Vendor 2: Villa Bakery

Vendor 3: DiMaggio Bakery

Items to be Purchased – Food and Non-Food Items	Quantity Expected to Buy	Unit/Each Price	Extended Price (Quantity x Unit Price)	Unit/Each Price	Extended Price (Quantity x Unit Price)	Unit/Each Price	Extended Price (Quantity x Unit Price)
Pizza Rolls							
Formulated to meet							
USDA nutritional							
requirements							
Total Cost:			\$		\$		\$

89

Circle/List Method of Contact and Date Obtained: <u>June 2025</u>	Internet Newspaper/Flyer In person Telephone Other: <u>prior use</u>	Internet Newspaper/Flyer In person <u>Telephone</u> Other: _____	Internet Newspaper/Flyer In person <u>Telephone</u> Other: _____
Rationale for Purchasing Decision: (Examples: price, location, convenience, store incentive program/discount, store credit card, or other justification).	<u>Adheres to Nutritional requirements</u> <u>Local</u> <u>History of Use</u>	<u>Do not have pizza rolls made w/ whole grain flour</u>	<u>Do not use whole wheat flour</u>
Vendor Selected:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Signature of person completing form: <u>Pat Schluender</u>	Date: _____		



Livonia Public Schools

District Services

Date: June 12, 2025

To: Andrea Oquist, Superintendent

From: Phillip Francis, Assistant Superintendent of District Services

Re: High School Athletic Sound Systems Purchase

I would like to discuss the high schools' athletic sound systems refresh project at the next Committee of the Whole meeting on June 16, 2025. If approved, this audio sound system update will be completed at the competition gymnasiums, pools, and main outdoor turf stadiums at all three high schools. The team solicited and received three quotes for this Capital Funds project.

Rauland SoundCom had the most competitive pricing, in the amount of \$194,450, along with the most attractive sound system. The recommendation is to accept the proposal/quote from Rauland SoundCom, Farmington, Michigan, whose pricing comes via the PEPPM Cooperative Purchasing contract, for the purchase and installation of updated sound systems at Churchill High School, Franklin High School, and Stevenson High School.

Please include this item on the agenda. Thank you.

Attachments

c: Board of Education

PF/AS



January 17th, 2025

Attn: Mr. Casey Conway
Livonia Public School District
15125 Farmington Road
Livonia, MI 48154

PROPOSAL

Livonia Public Schools

**High Schools Sound System Upgrades
For the Football Field, Gym & Pool Areas**

Please accept this letter along with the additional information enclosed within this proposal as an introduction to SoundCom Systems. This is a valued opportunity for SoundCom and let me start by saying that we would like to earn your business.

We have been performing comparable work for over 45+ years and are proud to call many of the region's top performing companies our clients. We have completed countless projects over the years including hundreds that integrate sound, video, and communications systems for a wide range of clients.

In fact, we have recently deployed comparable Audio Sound System for clients in the region including Plymouth-Canton Community Schools, Novi Public Schools, Lincoln Park Public Schools, Trenton Public Schools, Woodhaven-Brownstown Public Schools, Farmington Public Schools, West Bloomfield Public Schools, Grand Blanc Community Schools, Genesse ISD, Flint Community Schools, Davison Community Schools, Reese Community Schools, Kearsley Community Schools, Chelsea Public Schools, Warren Woods Public Schools, & Fraser Public Schools just to name a few.

Our highly trained and certified staff is singularly focused on delivering world-class sound, video, and specialty communications solutions with an acute attention on quality and service.

On behalf of our over 145 full-time employees, I would like to personally thank you for the opportunity to continue to earn your business and we look forward to discussing this project with you in greater detail soon.

Please feel free to contact us with any questions.

Sincerely,

Joe Samborski
Account Executive



About SoundCom Systems



SoundCom is ranked among the top 25 systems integration firms in the U.S. by Systems Contractor News, and has ranked among the top 50 since 2004.

For over 40 years, SoundCom Systems has been providing cutting-edge sound, video, and communications solutions for businesses and institutions of nearly every size. Headquartered in Cleveland, Ohio with offices in Detroit, Pittsburgh, Columbus, Grand Rapids, Flint, Lansing, and Cincinnati, SoundCom has the knowledge, experience, and scalability to meet virtually any project scope and deadline with an attention to detail and focus on quality that is unrivaled in the industry.



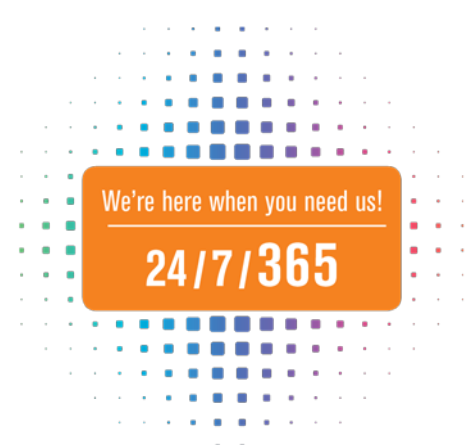
COMPLETE TURN-KEY SERVICES

As a full-service integration firm, SoundCom offers complete turn-key services for any project of any size including:

- Consulting & Design
- Engineering & CAD
- Shop & Fabrication
- Project Management
- Installation
- Programming
- Training
- Technical Support

WE'RE ALWAYS OPEN

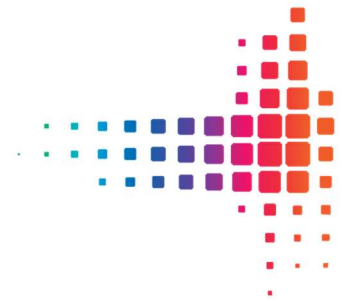
SoundCom prides itself on providing our customers with world-class support before, during, and after the sale. Our service department is never closed delivering critical services to customers when it is needed most.



CERTIFIED INDUSTRY EXPERTS

SoundCom's engineering and technical teams are some of the most experienced and well-trained in the industry. Our engineering department collectively has over 130 years of experience and our installation and service teams have an average tenure over 10 years with SoundCom and over 230,000 hours of available man-power annually. Our technical staff carries many of the industry's major certifications so you can be assured that your project will be done right and on-time.





Detailed Project Narrative

SoundCom Systems will provide & install the following:

Churchill, Franklin & Stevenson High School Football Audio Systems

The Churchill Football audio system is designed to deliver a clear and powerful sound for stadium announcements, music, and game-day commentary. At its core is a **Shure Microphone Dual System**, providing reliable wireless audio transmission with dual microphones for enhanced flexibility. The system includes dual **antennas** and a **25ft cable** for optimal signal reception and placement.

Audio mixing is managed by a **Shure OFE Mixer**, ensuring seamless integration of multiple audio sources. Additionally, an **Aux Audio Input** is provided for external devices, connected to a **Symetrix OFE** processor for refined audio control.

Amplification is handled by a **VT112 AMP** and multiple **VT2210 AMP** units, ensuring sufficient power for the speaker system. The venue is equipped with **VT2210 Speakers**, strategically positioned to deliver even coverage throughout the field area.

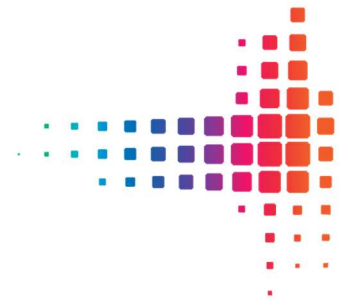
This system ensures high-quality audio performance, making game-day experiences engaging and immersive for both players and spectators.

Churchill Gym Audio System

The Churchill Gym features an advanced audio system designed to accommodate various events, including sporting activities, assemblies, and performances. Wireless connectivity is enabled through an **OFE Bluetooth** module, allowing for seamless streaming of music and announcements.

At the heart of the system is a **Shure SCM826OFE ROLLS Input**, providing professional-grade audio mixing and integration. A **DBX DRIVERACK 360** ensures optimal sound processing and speaker management.

The system is powered by multiple **HDA2210-P AMP Modules**, delivering robust amplification to the **SM2110-P Speakers**, which are evenly distributed to provide consistent audio coverage throughout the gymnasium.



A **Shure Microphone Dual System** with dual antennas and a **25ft cable** is included for wireless voice projection, making it an ideal solution for addressing large audiences.

Churchill & Stevenson Pool Audio Systems

The Churchill Pool's audio system is designed to withstand the unique acoustic challenges of an indoor aquatic environment. Wireless audio streaming is supported via an **OFE Bluetooth** module, with an **extended antenna** ensuring optimal reception.

The system includes a **Shure BLR4R (OFE) wireless receiver**, paired with a **Shure SCM800OFE iRACK Input**, which provides professional-grade audio mixing. Sound processing is managed through a **DBX 220i (OFE)** processor, delivering precise equalization and feedback control.

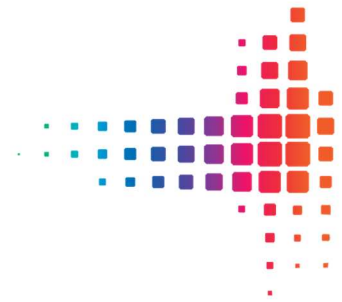
Amplification is provided by **HDA2210-P AMP Modules**, powering multiple **SM2110 Speakers** strategically placed for even sound distribution.

Franklin High School Pool Audio System

The Franklin Hill Pool's audio system is built to deliver high-quality sound in a wet and acoustically challenging environment. Wireless connectivity is provided through an **OFE Bluetooth** module and **antenna**, ensuring seamless streaming capabilities.

The system features a **Shure SCM826OFE ROLLS Input** for high-fidelity audio mixing and a **DBX DRIVERACK 220i (OFE)** for advanced sound processing. Amplification is handled by **HDA2210-P AMP Modules**, powering a set of **SM2110 Speakers** for broad sound coverage.

A **Shure Microphone Dual System**, equipped with dual antennas and a **25ft cable**, ensures reliable wireless voice projection. Additionally, a series of **CS651 Ceiling Speakers** are included, driven by a **BRC1 + BRC1-600 system**, providing discreet yet powerful sound reinforcement.



Franklin High School Gym Audio System

The Franklin Hill High School Gym is equipped with a state-of-the-art audio system designed for clear and dynamic sound reproduction. An **OFE Bluetooth CD Player** and **Bluetooth Antenna** allow for seamless music and audio playback.

Central to the system is a **Shure SCM262 (OFE)** audio mixer, ensuring smooth integration of multiple audio sources. The **DBX DRIVERACK 360** provides advanced processing, optimizing sound quality and speaker performance.

The system is powered by **HDA2210-P AMP Modules**, driving an array of **SM2110-P Speakers** for comprehensive sound coverage. A **Shure Microphone Dual System**, complete with dual antennas and a **25ft cable**, ensures wireless microphone capabilities for events and presentations.

Stevenson High School Gym Audio System

The Stevenson High School Gym audio system is built to deliver high-fidelity sound for sports events, assemblies, and school functions. Wireless streaming is facilitated through an **OFE Bluetooth** module with an **antenna** for improved reception.

The system incorporates a **Shure SCM262 (OFE) mixer**, enabling seamless audio management. A **DBX DRIVERACK 360** is utilized for sophisticated sound processing, ensuring balanced and distortion-free output.

Amplification is provided by **HDA2210-P AMP Modules**, which power a set of **SM2110-P Speakers**, strategically positioned to ensure uniform audio distribution. A **Shure Microphone Dual System**, complete with dual antennas and a **25ft cable**, enhances voice clarity for announcements and performances.



About SoundCom and ISP

All sites are equipped with **ISP Speakers**, a premier audio solution designed and manufactured **locally in Michigan**. ISP Technologies has built a reputation for delivering **high-performance professional audio solutions**, combining **cutting-edge engineering with exceptional clarity and control**. With commitment to **sonic excellence**, ISP has become a trusted name for **premium sound reinforcement**, ensuring that each venue is equipped with speakers that provide **superior performance, reliability, durability & unmatched 5-year manufacture warranty on the ISP Speakers & a 3-year warranty on the ISP amplifiers**.

This project has been developed and integrated by **SoundCom Systems**, a leader in professional AV solutions. With their expertise, each facility is equipped with state-of-the-art audio systems tailored to meet the **unique needs of schools, gyms, pools, and stadiums**. Their **dedication to quality and precision** ensures a seamless audio experience for every event and performance.



SoundCom Systems Custom Design Proposal

SoundCom Systems is proud to present this proposal for the High School Sound System Upgrades Project. This summary is intended to provide a simple and brief overview of our approach to the project ... **Quote is to provide and install a new Audio Sound System for the Pool, Gym & Football Field for Livonia Churchill High School, Livonia Franklin High School & Livonia Stevenson High School. A one-year installation warranty is included with a 5-year ISP manufacture warranty. Quote is based on PEPPM consortium pricing.**

January 18, 2025

SoundCom Proposal # **FJ-24-3557157-H**

Client
Livonia Public Schools
 15125 Farmington Road
 Livonia, MI 48154

Project
High School Sound System Upgrades

All Prices USD

Quantity	Description
Quote is based on PEPPM consortium pricing.	
1	Installation of a new Football Field Sound System at Churchill, Franklin & Stevenson High Schools.
1	Installation of a new Gym Sound System at Churchill, Franklin & Stevenson High Schools.
1	Installation of a new Pool Sound System at Churchill, Franklin & Stevenson High Schools.

Installation, Commissioning, Shop Fabrication, and Programing Services
 Design, Documentation, Training, and other Professional Services

PROJECT TOTAL \$194,450.00

Proposal Originating Office

SoundCom - Office
 24600 N. Industrial Dr.
 Farmington Hills, MI 48335
 248-960-3700

Proposal Created By:

Joe Samborski
 Account Exutive
Joe.Samborski@Ametek.com
 Mobile (248) 787-2317

Client Acceptance

 Company Name

 Printed Name

 Signature

 Date

This proposal is subject to SoundCom System's Standard Payment Terms & Conditions of Sale - available at: <http://www.soundcom.net/info/terms-conditions.asp>





Scope Overview

Every project is unique and we strive to deliver clear definitions of scope for every project. Our project managers are highly trained to clearly understand where scope breaks occur between trades on any given project so that the installation runs smoothly and on time while keeping the customer accurately informed, removing any mystery about our delivery commitment.

Engineering

Drawings

All drawings are engineered in AutoCAD and delivered in electronic (PDF) format and are archived at lcomm. *All D/C drawings require accurate floorplan files (backgrounds) delivered to SoundCom in AutoCAD format (DWG with applicable X-refs). ** Specialty detail drawings may require source files supplied by a third-party.

		SoundCom	N/A
Functional	Engineered technical drawing(s) showing the schematic design of the system including device connections, signal types, and equipment parts.		X
Device & Cable* D/C	Engineered technical drawing(s) detailing the wiring and locations of all devices and equipment racks outlined on a floor plan.		X
Rack Elevation	Engineered technical drawing(s) detailing the layout of any equipment racks,		X
Plate Details	Engineered technical drawing(s) detailing any connection plates for the project to		X
Specialty Details**	Engineered technical drawing(s) detailing any custom or specialty work, including but not limited to custom mounts, rigging, console design, lectern layout, furniture, etc.		X
Trade Coordination	Engineered technical drawing(s) most often detailing conduit, rough-in, blocking, etc. requirements for the project for use by other trades in coordination with the system(s) being provided by SoundCom.		X
As-Builts	A complete set of all SoundCom engineered drawings reflecting the complete system as installed, which may have varied from the originally engineered set of drawings based on unique changes/adds/deletions during the installation period.		X

Documents

All engineering documents are delivered in electronic (PDF) format and are archived at SoundCom Systems.

Submittals	A complete set of data/cut-sheets for all primary/major pieces of equipment being supplied for the project showing brand/make & model along with the detailed technical specifications submitted prior to project deployment.		X
O/M's	A complete set of manufacturer's operation and/or owner's manuals for all primary / major pieces of equipment submitted during the closeout period of the project.	X	

Additional Scope Clarifications



Scope Overview **Installation Services**

Field Installation		SoundCom	E.C.	G.C.	Owner	Existing	N/A
Demolition	Removal of any existing equipment and/or wire as specified and required for the project. Any wire and/or equipment to be reused must be properly protected by others during demo.	X					
Power	Provide power as specified at all required locations including equipment racks and field devices.		X		X		
Rough-In & Conduit	Provide rough-in and conduit (with pull string) as specified at all required locations including equipment racks and field devices, plate locations, floor boxes, etc.		X		X		
Backboxes	Provide backboxes as specified at all locations as required for the project. Unless otherwise noted backboxes are assumed to be installed by E.C.		X		X		
Floor Boxes	Provide floor boxes as specified at all locations as required for the project. Unless otherwise noted backboxes are assumed to be installed by E.C.		X		X		
Table Interfaces	Specialty interface boxes and/or “cubbies” designed to accommodate AV connections, & other cables including data & AC power. Unless otherwise noted any required table cutting or modification is by others.			X			
Lift / Scaffolding	If necessary, provide a lift and/or scaffolding capable of safely reaching and lifting required personnel and equipment to correct mounting/wiring positions.		X				
Provide Wire	Provide all cable for complete and functional system as required for the project.	X					
Pull (Install) Wire	Pull (install) and tag (label) all cable for complete and functional system as required for the project and as directed by D/C drawings.	X					
Blocking	Provide appropriate blocking and/or structural support for wall mounted equipment cabinets and/or specialty field devices like LCD flat panels, large format speakers, projectors, etc. as specified and required by the project						X
Cutting & Patching	Cutting, patching, and painting of walls and/or ceilings, including ceiling tiles and grid.	X					
Install Field Devices	Install all field devices including, but not necessarily limited to speakers, cameras, projectors, screens, displays, TV’s, custom plates, etc.	X					
Install Headend	Install system headend which could include floor standing equipment racks, wall mounted equipment cabinets, plywood backboard mounted headends, etc.	X				X	

Additional Scope Clarifications



Scope Overview **Specialty Services**

Shop & Fabrication		SoundCom	E.C.	G.C.	Owner	Existing	N/A
Rack Assembly	The assembly of, and equipment loading of any and all equipment racks, cabinets, lecterns, podiums, and/or furniture as required for the project.				X	X	
Rack Plate Fab	The fabrication and labeling of any connection plates to be installed in an equipment rack, cabinet, lectern, podium, and/or furniture as required for the project.	X					
Setup & Programming							
Programming & Configuration	Configure system equipment and develop and test any custom system programming for proper operation as coordinated with customer and/or specifications.	X					
Testing & Commissioning		SoundCom			N/A		
System Commissioning	Verification of system functionality, operation, completeness, and system configuration including verification of software version(s).	X					
Configuration Backup	Backup and archive of all system programming, configuration settings, and setup files as specified and required by the project.	X					
Training & Support		SoundCom			N/A		
On-Site Training	Provide on-site training with key customer personnel as specified and required by the project.	X					
Off-Site Training	Provide off-site training with key customer personnel as specified and required by the project.				X		
Online Training	Provide online training, either self-paced or instructor-guided as specified and required by the project.				X		
Training Materials	Provide comprehensive user training materials, typically in electronic (PDF) format, as specified and required by the project.	X					
Information Technology (IT)		Yes			No		
Network Connectivity	Data network drops are required to be provided by the owner or others at locations as directed by SoundCom. This proposal assumes the client's IT staff will coordinate network access and configuration closely with SoundCom field technicians and engineers. This includes configurations for remote access where possible.	X					
Advanced Network Configurations	Additional pre-installation coordination with the client's IT staff may be required for specialized system integrations involving video conferencing, audio conferencing (VoIP), control systems, streaming, digital signage, and other similar technologies.	X					

Additional Scope Clarifications

Estimate: 3557157 Livonia Schools - Sound Systems

Material List

Description	Quantity	Unit	Part Number
Livonia Chuchhill Football			
VT 2210 Speakers Weatherized	4.00		
UA8-174-216:1/4-wave receiver antenna	2.00		UA8-174-216
UA506:Rack Hardware for Single ULX Receiver, P2T, P4M, P4T, DFR11EQ5, DP11EQ, SCM262 or SCM268	1.00		UA506
VT112:2-way1 x 12 inch high sensitivity, 500 Watt RMS, reflex loaded1 x 1.4 inch Titanium compression driver, horn loaded	2.00		VT112
HDA VT112 Amplifer	1.00		
ISP Custom U Braket	4.00		
MISC \$\$	1.00	EA	
SLXD24D/SM58-G58:Dual Wireless Vocal System with SM58	1.00		SLXD24D/SM58-G58
AQC227GY1000:1P 12G STRD UNSHLD WBLOCK	1.00		AQC227GY1000
Livonia Chuchhill Gym			
MISC \$\$	1.00	EA	
SLXD24D/SM58-G58:Dual Wireless Vocal System with SM58	1.00		SLXD24D/SM58-G58
UA505:Mounting Bracket and BNC Adapter for Remote Antenna Mounting (Contains one)	2.00		UA505
UA8-174-216:1/4-wave receiver antenna	2.00		UA8-174-216
HDDS SM2110-P	12.00		HDDS SM2110
CUSTOM U BRACKET:Custom U brackets available for certain boxes only	12.00		CUSTOM U BRACKET
DBXVENU360-V:3X6 Loudspeaker Management System	1.00		DBXVENU360-V
HDA2110 Amp Module	2.00		
Livonia Chuchhill Pool			
HDDS SM2110-P Weatherized	8.00		
Custom U Brackets Weatherized	8.00		
SCM800:Eight-Channel Microphone Mixer with EQ per Channel, AC only, One Rack Space, Single and Dual Mount	1.00		SCM800
MISC \$\$	1.00	EA	
HDA2110 Amp Module	1.00		
4246IOBK1000:4PR 23G CAT6 IN/OUTDOOR	1.00		4246IOBK1000
Livonia Franklin Hill Football			
VT112:2-way 1 x 12 inch high sensitivity, 500 Watt RMS, reflex loaded 1 x 1.4 inch Titanium compression driver, horn loaded	2.00		VT112
ISP Custom U Braket	2.00		
VT 2210 Speakers Weatherized	2.00		
HDA VT112 Amplifer	1.00		
HDA VT2210 Amplifer	4.00		
MISC \$\$	1.00	EA	
AQC227GY1000:1P 12G STRD UNSHLD WBLOCK	1.00		
Livonia Franklin Hill Gym			

Description	Quantity	Unit	Part Number
HDA2110 Amp Modules	2.00		
SLXD24D/SM58-G58:Dual Wireless Vocal System with SM58	1.00		SLXD24D/SM58-G58
MISC \$\$	1.00	EA	
HDDS SM2110-P	12.00		HDDS SM2110
DBXVENU360-V:3X6 Loudspeaker Management System	1.00		DBXVENU360-V
UA505:Mounting Bracket and BNC Adapter for Remote Antenna Mounting (Contains one)	2.00		UA505
UA506:Rack Hardware for Single ULX Receiver, P2T, P4M, P4T, DFR11EQ5, DP11EQ, SCM262 or SCM268	1.00		UA506
Custom U Brakets	12.00		
Livonia Franklin Hill Pool			
HDA2110 Amp Module	1.00		
SLXD24D/SM58-G58:Dual Wireless Vocal System with SM58	1.00		SLXD24D/SM58-G58
UA825:25' UHF Remote Antenna Extension Cable, BNC-BNC, RG8X/U Type	4.00		UA825
MISC \$\$	1.00	EA	
UA506:Rack Hardware for Single ULX Receiver, P2T, P4M, P4T, DFR11EQ5, DP11EQ, SCM262 or SCM268	1.00		UA506
BRC1 + BRC1-600 to drive CS651	1.00		
HDDS CS651 Non Plenum Weatherized	5.00		
HDDS SM2110-P Weatherized	6.00		
SCM268:Four-Channel Transformer Balanced Microphone Mixer with Phantom Power, AC only, Half Rack Space, Single and Dual Mount	2.00		SCM268
DBXVENU360-V:3X6 Loudspeaker Management System	1.00		DBXVENU360-V
4246IOBK1000:4PR 23G CAT6 IN/OUTDOOR	1.00		4246IOBK1000
Stevenson Football			
HDA VT112 Amplifer	1.00		
UA8-174-216:1/4-wave receiver antenna	2.00		UA8-174-216
UA825:25' UHF Remote Antenna Extension Cable, BNC-BNC, RG8X/U Type	2.00		UA825
VT112:2-way 1 x 12 inch high sensitivity, 500 Watt RMS, reflex loaded 1 x 1.4 inch Titanium compression driver, horn loaded	2.00		VT112
UA505:Mounting Bracket and BNC Adapter for Remote Antenna Mounting (Contains one)	2.00		UA505
MISC \$\$	1.00	EA	
AQC227GY1000:1P 12G STRD UNSHLD WBLOCK	1.00		AQC227GY1000
Stevenson HS Gym			
UA505:Mounting Bracket and BNC Adapter for Remote Antenna Mounting (Contains one)	2.00		UA505
UA825:25' UHF Remote Antenna Extension Cable, BNC-BNC, RG8X/U Type	2.00		UA825
UA506:Rack Hardware for Single ULX Receiver, P2T, P4M, P4T, DFR11EQ5, DP11EQ, SCM262 or SCM268	1.00		UA506
DBXVENU360-V:3X6 Loudspeaker Management System	1.00		DBXVENU360-V
SCM268:Four-Channel Transformer Balanced Microphone Mixer with Phantom Power, AC only, Half Rack Space, Single and Dual Mount	1.00		SCM268

Description	Quantity	Unit	Part Number
HDA VT2210 Amplifer	2.00		
CUSTOM U BRACKET:Custom U brackets available for certain boxes only	12.00		CUSTOM U BRACKET
HDDS SM2110-P	12.00		HDDS SM2110
MISC \$\$	1.00	EA	
Stevenson HS Pool			
MISC \$\$	1.00	EA	
HDA2110 Amp Module	1.00		
Custom U Brackets Weatherized	4.00		
BRC1 + BRC1-600 to drive CS651	1.00		
HDDS CS651 Non Plenum Weatherized	5.00		
ISP HDDS SM2210 Weaherized	4.00		
4246IOBK1000:4PR 23G CAT6 IN/OUTDOOR	1.00		



VT2210 DUAL ELEMENT LINE ARRAY SPEAKER

Main Features

Dual Element Line Array cabinet with 85V X 90H pattern
2-way bi-amped internally powered design
1200W RMS 2400W PEAK internal or external amplifiers
Remote Power Amplifier option available
U Style mounting bracket or 3/8 inch Eyebolt rigging
LF, 2x 10" High performance 800 watt woofer
HF, dual 1.4" HF compression driver on 45 x 90 horns
136dB peak, 132dB long term output level
24"W x 23.5"H x 15"D 75LBS



VT2210 SHOWN WITHOUT GRILL

Application

The VT2210 was developed in collaboration with SoundCom System for outdoor football stadium applications. The dual element line array design allows a single speaker to provide a down firing element to cover near-field bleachers and an upper element to cover across the field bleachers. By incorporating both the near-field and long throw across the field element into one cabinet we eliminate the interaction and phase problems associate with separate cabinet. This greatly improves fidelity, clarity and definition of the sound system. The VT2210 is a flyable high output dual element line array speaker providing high fidelity sound that ISP has become so well known for. The VT2210 is available with dual external remote amplifiers allowing separate level adjustment for the near field down firing element and higher SPL Level for the upper "across the field" element of the line array system. When used with dual external amplifier modules the available system power increases to 2000 watts RMS, 4000 watt Peak. The VT2210 also works excellently for Front of House systems, foreground and background music plus music-plus-paging systems. These speakers are also ideally suited for a wide variety of applications including church installs, nightclubs, restaurants and any installation requiring a low profile high output cabinet. The VT2210 is also available in a weatherized version for outdoor applications. Many church applications require a low profile cabinet due to low ceiling heights. Choices are limited for a speaker capable of a wide vertical pattern providing high output high definition with excellent clarity. The VT2210 is the perfect answer and ships with available internal fly-points on top including a lower pull-back rig point or custom U Style mounting bracket. The VT2210 has excellent vocal clarity and dynamic impact. Combined with a subwoofer the VT2210 provides a very high performance line array audio system. The VT2210 is also available with external single rack space remote power supply module DAA-VT2210-PS2.



VT112 POWERED SPEAKER

ISP TECHNOLOGIES VT112

KEY FEATURES:

- Compact high output powered cabinet
- 2-way bi-amped internally powered design
- 1000 watts RMS internal power amplifier
- Internal fly-points for easy rigging
- Designed to fly horizontally or vertically, ideal for low ceiling installs
- LF, 12" High performance 500 watt woofer
- HF, 2" HF compression driver on 90° x 80° horn
- 132dB peak, 129dB long term output level
- 25-1/4" H x 17-5/8" W x 15" D 60LBS

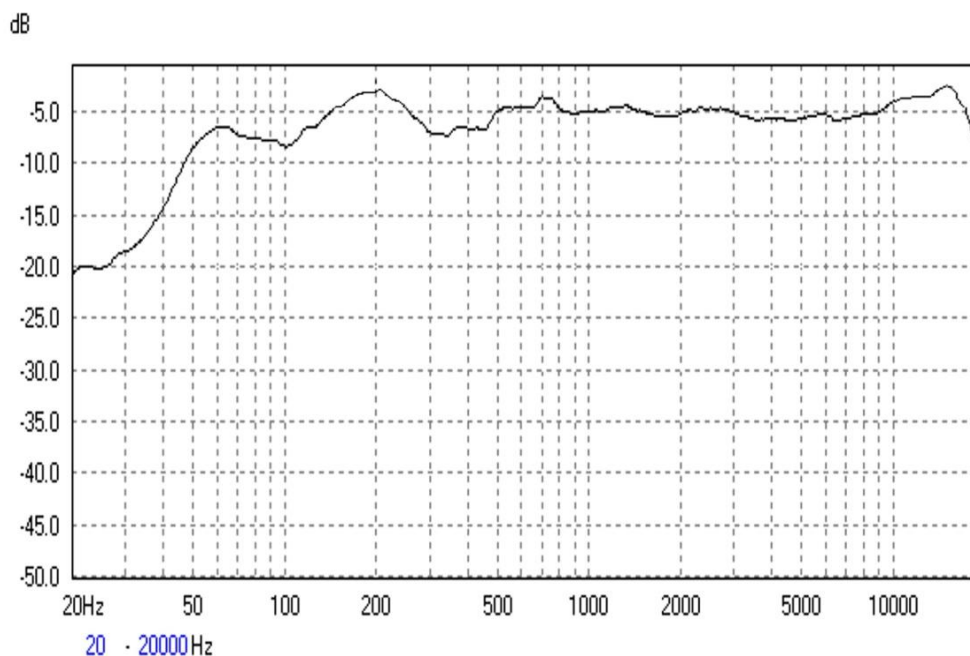


APPLICATION:

The VT112 is a flyable high output speaker providing high fidelity sound that ISP has become so well known for. The VT112 works excellently for Front of House systems foreground and background music plus music-plus-paging systems. These speakers are ideally suited for a wide variety of applications including church installs, nightclubs, restaurants and any installation requiring a low profile high output cabinet. Many church applications require a low profile cabinet due to low ceiling heights. Choices are limited for a speaker capable of high output high definition with excellent clarity. The VT112 is the perfect answer and ships standard with internal fly-points on top and also includes a lower pull-back rig point. This cabinet can be ordered with either a vertical or horizontal orientation. The VT112 has excellent vocal clarity and dynamic impact. Combined with a subwoofer the VT112 provides a very high performance audio system.

ISP TECHNOLOGIES VT112 SPECIFICATIONS

Configuration: 2-way
 LF Driver: 1 x 12 inch, high sensitivity, 800 WATT RMS, reflex loaded
 HF Driver: 1 x 2 inch Titanium compression driver, horn loaded
 Pattern: 90° x 80° HF Horn:
 Frequency Resp: 55 Hz to 18 KHz -3bd
 Construction: Baltic Birch Plywood
 Dimensions: 25-1/4" H x 17-5/8" W x 15" D
 Weight: 60 lbs.
 Amplifier: 1000 W RMS, 2 channel, high current DAA™, fan cooled
 Power Required: 6 Amps x 120 VAC
 Crossover: Internal 4th order Linkwitz-Riley 24db per octave
 Peak SPL: 132db peak output level



ISP Technologies 5479 Perry Dr, Suite B. Waterford, MI 48329
 Phone # (248)673-7790 Fax # (248) 673-7696
www.isptechnologies.com

VM/VT Series may be covered under one or more patents
 Other Patents Pending

HDA SERIES RACKMOUNT POWER AMPLIFIER

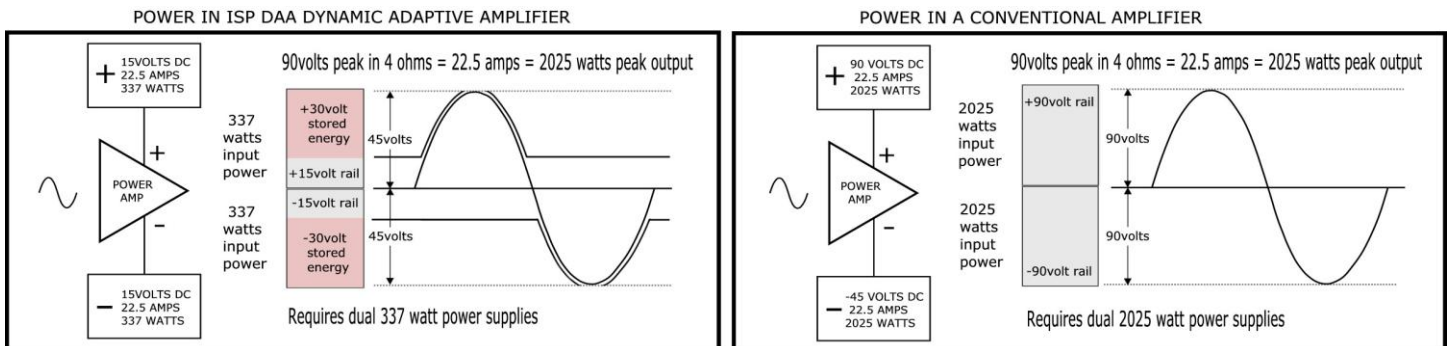


HDA 2502 MODEL SHOWN

Main Features

- Patented Dynamic Adaptive Amplifier technology with super HI-FI performance, superior to Class D
- Application specific power amplifier matched to the speaker cabinet
- 2-way or 3-way built in precision cross-over and equalization specific to the actual speaker
- 1150 to 2500 watts RMS 2200 to 5000 watts Peak Dynamic Adaptive Amplifier
- Class A/B topology with adaptive tracking rails delivers super HI-FI performance vs. Class D amps
- Higher efficiency power line consumption (watts IN vs. watts OUT) than Class D amplifiers
- 2U Rack 19" W x 3.5" H x 16" D 25lbs

The Patented (HDA) High Definition Amplifier Series represents a new generation of high performance power amplifier technology. While virtually all other amplifiers have moved to Class D topology the HDA Series delivers higher performance than any Class D amplifier. Class A/B amplifiers deliver higher fidelity but with lower efficiency. The Dynamic Adaptive Amplifier technology is covered under three newly issued US patents and can rival the efficiency of Class D amplifiers for heat. The DAA amplifier technology also delivers higher efficiency for power line consumption by use of stored energy available to modulate the power supply to precisely track the audio signal only a few volts above the audio signal as seen below.



By using stored energy available to lift the power supply rails when needed, the required wattage from the power supplies and AC line is dramatically reduced. This not only saves power consumption but also reduces heat and increases reliability by reducing the voltage across the output power devices. The HDA amplifier module includes all signal processing required for precision matching to each specific speaker cabinet being powered, further improving sonic performance of the system. On board active crossover with 24db per octave Linkwitz-Riley response, time alignment and precision equalization for cabinet tuning is built in, taking the guess work out of system tuning and alignment. Output connections to the matching speaker cabinet are via SPEAKON NL4 or NL8. Power ON / OFF mute, thermal protection and short circuit protection is also incorporated in each HDA Series amplifier.

Specifications:

Rated Output Power all channels driven at cabinet load impedance :	1150 watts RMS / 2500 watts RMS HO version
Sensitivity for full rated power	: +4 dbu / 0dbu = .775 volts RMS
Signal to Noise Ratio dB, below rated 1kHz power, A-weighted)	: greater than 110db
Total Harmonic Distortion (THD)	: less than 0.05%
Input Impedance, balanced	: 20k ohms
Regulated switching power supply efficiency	: 92%

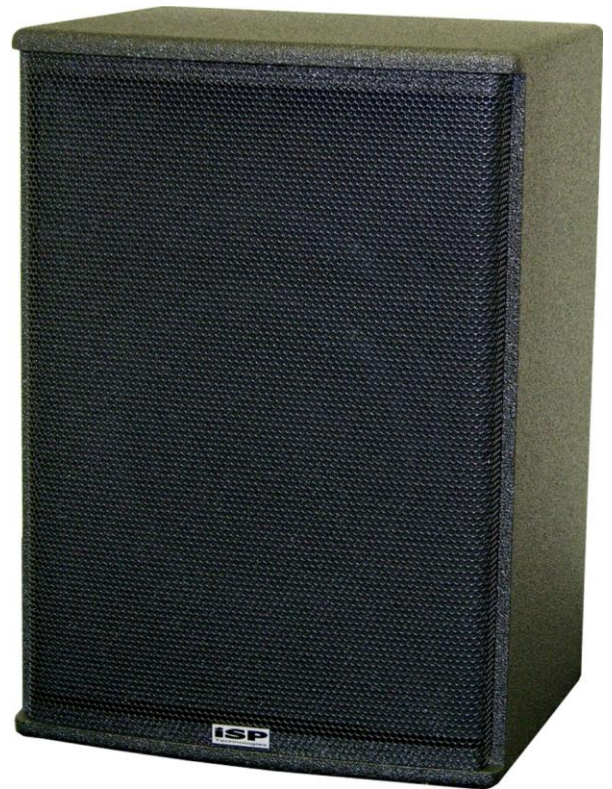
DAA Amplifier Technology covered under US patent # **9,402,128**, **9,641,133** and **9,853,602**

ISP Technologies 5479 Perry Drive Suite B Waterford, MI 48329 ¹⁰⁷ www.isptechnologies.com



Main Features

- Easy to install using dual Cat6 connections
- 2-way active design
- Easily controlled with Master Control Module along with Remote Level Controls.
- 220 Watts maximum output
- Self powered with built in bi amplifier
- LF, 10" Cone Speaker
- HF, 1.3" titanium diaphragm compression driver
- Frequency Response (+-3 dB): 50 Hz - 19 kHz
- Ships with bracket for wall mounting



Application

The HDDS SM2110 is a wall mountable Speaker providing full, high fidelity sound that ISP has become so well known for. The SM2110 works excellently for foreground and background music plus music-plus-paging systems. These speakers are ideally suited for a wide variety of applications, from restaurants and specialty retail stores to professional offices and airports. Low frequency output can be augmented with the addition of our HDDS subwoofer, the SB400. Installation of the SM2110 is quick and easy, only requiring dual Cat6 cables to be run from the Master Control Module. The loudspeaker is packaged with a bracket for easy wall mounting. The SM2110 cabinet is made of Baltic Birch plywood and is coated with a durable, rubberized coating. The SM2110 cabinet and grille are paintable to match any color scheme.



HDDS SM2110 Speaker

Specifications:

Type: 2-way active

Low Frequency: 10" cone

High Frequency: 1.3" titanium diaphragm compression driver

Crossover: 4th order LR high pass and low pass

High Pass Filter: Switchable 40 Hz or 90 Hz - for use with a subwoofer

Maximum SPL: 122 dB peak, 116 dB long-term

Nominal Coverage Angle: 80 deg. H x 70 deg. V

Frequency Range (-10 dB): 42 Hz - 20 kHz

Frequency Response (+-3 dB): 50 Hz - 19 kHz

Amplifier Power: 150 WRMS continuous LF, 40 WRMS continuous HF

Backplate: Dual RJ45 Connectors, Remote level input control, High Pass filter selector switch

Size: 20.2" H x 12.2" W x 12.25" D

Weight: 25 lbs

Enclosure: Baltic Birch Plywood with rubberized polyurethane finish

Grille: Powder Coated Steel

Mounting Hardware: Included wall mounting bracket

ISP Technologies 5479 Perry Drive Suite B Waterford MI 48329 Phone: 248-673-7790

www.isptechnologies.com

The Science of ISP Technologies Speaker

- Midrange Clarity
- Critical Driver Selection to avoid frequency response errors
- Custom designed waveguides to optimize smooth frequency response
- Design based on Computer analysis using ISP's proprietary Linesim software
- ISP Technologies patented Dynamic Adaptive Amplifier technology
- Precision signal processing to optimize performance

Not all speakers are created equal. There are a number of reasons why ISP Technologies speakers outperform the competition. Midrange Clarity is one of the most critical aspects for speakers. All of the clarity of both vocal and instruments are in the midrange of the audio spectrum. Most speaker designs simply do not consider the importance of the midrange performance. ISP Technologies speakers provide superior performance in this critical band by design. Careful selection of the drivers used to avoid any dips in this critical band is the first step. Any required boost in power to compensate for a dip in the speakers response will greatly decrease headroom. For example a 3db required boost will require two times the amplifier power at this frequency. The Next critical aspect is the cabinet and waveguide design. Critical waveguide and horn design through mathematical analysis eliminates both phase and frequency response errors in the speaker. ISP speakers are designed using ISP Technologies proprietary Linesim software. Linesim is a mathcad based speaker analysis software which allows mathematical simulation of all aspects of the final speaker. This allows simulation of the performance of the speaker design before even building a prototype. ISP Technologies Linesim is amazingly accurate providing nearly identical simulated performance to that of the final product. This allows all critical aspects of the design to be optimized before building a first prototype. The next advantage of the ISP Technologies speakers is the performance of the power amplifier technology. Nearly all speakers today are active with built in power amplification. This allows separate channels of power amplifiers to be matched to the individual bands of the speaker. ISP Technologies Dynamic Adaptive Amplifier technology is covered under 3 recently issued US patents and delivers state of the art power amplifier performance with higher efficiency and lower manufacturing cost than any other power amplifiers available today. ISP Technologies further enhances performance with superior signal processing including the crossover between the multiple bands and precision equalization and phase correction. The final result is a higher level of speaker performance than even the best speakers available and with reduced manufacturing cost due to the multiple patents covering the ISP Technologies speakers and the critical analysis due to ISP Technologies proprietary Linesim software.

ISP TECHNOLOGIES WARRANTY AND SERVICE

The Internal Circuitry is fully guaranteed to be free of defects under normal use and service for a period of three years from the date of purchase. The Speakers and Cabinet that are used in this product are fully guaranteed to be free of defects under normal use and service for a period of five years.

Any damage resulting from the misuse or the failure to follow the precautions and instructions will void the warranty.

In the event that the unit needs to be repaired, please return the unit to ISP Technologies directly. Simply repack the unit, send a copy of the original receipt, a note stating the problem, and send it to:

ISP Technologies, LLC
5479 Perry Drive, Suite B
Waterford, MI 48329
Attn: Repair Dept.

All shipping charges must be fully prepaid.

ISP will not be responsible for any damages incurred in shipping of any unit. Any claim will need to be settled with the shipping company.

The warranty will be voided if the serial number has been tampered with in any way. The warranty card must also be filled out and returned in order to activate the warranty.

Should you have any questions for the repair department prior to returning the product please call 1-(248)-673-7790



ISP TECHNOLOGIES, LLC
5479 Perry Drive, Suite B
WATERFORD, MI. 48329
248-673-7790
www.isptechnologies.com



SoundCom Systems 12 Month Warranty



SoundCom operates 24 hours a day, 7 days a week, 365 days a year to service our customers with mission and life-critical support systems and is staffed by veteran technicians trained to troubleshoot virtually any system and situation quickly minimizing downtime.

Today's technology and communications systems are complex, often requiring careful integration of hardware and software from a multitude of manufacturers. SoundCom engineers carefully research equipment selection and work closely with manufacturers and our installation technicians to make sure every system functions as expected.

Our installation technicians are highly-trained, experienced, and carry numerous industry certifications meeting manufacturer's installation guidelines and our industry's demanding installation standards.

Many systems require custom software development and our programmers are some of the best in the industry, keeping up with the latest trends and platforms while delivering easy to use control interfaces our customers can rely on.

Because our engineering, installation, and programming teams consistently deliver world-class quality systems for our customers, we are proud to offer an *industry-leading twelve (12) month warranty* on all SoundCom provided equipment, materials, and labor, effective upon substantial completion of the project as outlined in our standard terms and conditions.



To obtain warranty service, contact SoundCom's Service Department at +1 (800) 628-8739.

Severity	Description	On-Site Response Time
Level I Critical	Catastrophic or total system failure System is in a complete non-functional state.	Within one (1) business day during normal business hours.
Level II Minor	Erratic, sporadic system performance System is still functional, but minor problems exists.	Within two (2) business days during normal business hours.
Level III Routine	Routine system maintenance or fixes System is generally functional, however minor programming or firmware updates may be needed to resolve a system issue.	Within three (3) business days during normal business hours.

CUSTOMER SERVICE HOURS

While our service department operates 24/7/365, our standard service department business hours are, Monday through Friday (excluding holidays) from 8:00 AM to 5:00 PM EST.

Customers placing service calls during normal business hours will receive a phone response immediately or within two (2) hours.

Customers placing after-hours service calls will be connected with an answering service who will contact an available on-call technician. If classified as a Level I – Critical service disruption, the technician will call-back within two (2) hours and be on-site within four (4) hours*. Unless specifically requested, Level II and Level III classified service disruptions placed during after-hours periods will be responded to the next business day.

***After-hours emergency service is for Level 1 – Critical issues specific to life safety only.**

Unless specifically outlined in a SoundCom Performance Maintenance Agreement, after-hours emergency service is typically limited to healthcare facilities with life-safety related systems.

March 11th, 2025

Livonia Public Schools
Re: Churchill High School

The Sound Planning Communications (SPC) team partners with our clients to design audio and visual solutions that are specific to business, religious and educational applications. Be it new design, system upgrade, programming modifications, acoustic tuning or troubleshooting, our AVL (audio, video and lighting) experts are confident to tackle it. We are uniquely qualified to design, build, and maintain systems of any scope and size. We leverage technology and nearly 50 years of integration experience to your advantage.

SPC can turn any space into a state-of-the-art, multimedia hub, complete with automated touch-screen control of video projectors, motorized projection screens, high-definition displays and hifi audio that is tuned to the specifics of its environment. We are high-performance, high fidelity, high definition, and highly recommended. Our greatest accomplishment is not building relationships, it's sustaining them.

Pricing:

Competition Gym - New Sound System \$32,303.70

Scope of Work: *New System to include (12) R.5TZ Speakers while reusing existing wiring. A new DSP, amplifier, mixer, media player, and Bluetooth system are to be installed. A new dual microphone system is to be installed with a handheld and belt pack system with a fitness headset.*

Alternate 1 – Add (2) Subwoofers to New Speaker System: \$13,876.98

Pool – New Sound System: \$13,020.86

Scope of Work: *The new system is to include the reuse of existing speakers and wiring. After a computer analysis, Sound Planning has determined the current speakers to be in good condition for reuse. A new DSP, amplifier, mixer, media player, and Bluetooth system are to be installed. A new dual microphone system is to be installed with a handheld and belt pack system with a fitness headset.*

Football Field - New Sound System \$31,598.48

Scope of Work: *The new system is to include a combination of Community speakers for side, front, visitor throw, and concession stand throw. A new amplifier, mixer, media player, and Bluetooth system are to be installed. The existing DSP is to be used in this design. A new dual microphone system is to be installed with a handheld and belt pack system with a fitness headset.*

Package A:

Total Combined Cost without Alternate: \$76,923.04

Total Combined Cost without Alternate and *Discount: \$73,846.11

Package B:

Total Combined Cost with Alternate: \$90,800.02

Total Combined Cost out Alternate and *Discount: \$85,352.02

***A discount of 6% will be applied to a complete package of the Competition Gym, Pool, and Football Field are awarded to Sound Planning.**

PRIOR TO INSTALLATION

Upon acceptance of the proposal and receipt of contract, Sound Planning will order all equipment specified in this proposal and complete the engineering process.

INSTALLATION AT JOB SITE

The client will be responsible for any and all structural and electrical upgrades needed to support the installation of the systems. **Note that electrical work is not believed to be required at this time.** Once installation is complete, Sound Planning will inspect the installation, tune the system and train operators.

Installation is to include:

- Mount, install and adjust all equipment.
- Install all equipment into the rack.
- Dress and terminate all wiring per normal accepted practices.
- Install all wall and trim plates as required for the installation.
- Label all the wiring and equipment as necessary.

EXECUTION

- Sound Planning will use equipment in the manner specified and shall install it in accordance within its specifications and manufacturer's recommendations.
- Sound Planning will leave the job site and all equipment clean and free from marks and blemishes.
- Sound Planning will clearly and logically label all controls, jacks and receptacles with their function in this system
- Sound Planning will hold a training session to teach the operation and capabilities of the new audio system.

WARRANTY

The installation work on your audio system is guaranteed against defects for a period of one year from the date of installation. This guarantee shall not apply if the equipment installed is damaged due to misuse, use by unauthorized persons, vandalism, theft, or accident (including damage to the school premises through natural or man-made events, such as fire, storm construction, etc.).

Commercial AVL Solutions
(313) 255-4100
13000 Inkster Rd. • Redford, MI 48239
www.soundplanningavl.com
Immersive Experience for Life



CONFIDENTIALITY

The designs, engineering, and installation specifications, as well as the contents of this proposal are proprietary to Sound Planning Communications., Inc. and are not to be disclosed in whole or in part to anyone for competitive quotation or design review. The information and concepts contained in this proposal are protected by law and are the sole property of Sound Planning Communications., Inc. until the rights are purchased through the acceptance of this proposal.

Payment terms are NET 30 days. This proposal is valid for 30 days. All returned items are subject to a 20 percent restocking fee.

All new equipment, materials and labor provided by Sound Planning will be covered by our one-year warranty. In addition, certain manufacturers will provide extended warranties for up to five years for their products.

We appreciate this opportunity to be of service to you. If we can provide additional information please contact me by telephone at 313 255-4100.

Sincerely,

A handwritten signature in black ink that reads "Carrick M Secorski".

Carrick Secorski
AVL Sales Specialist
W: 313-255-4100
C: 248-533-9519
Email: csecorski@soundplanning.net

March 11th, 2025

Livonia Public Schools
Re: Franklin High School Athletics Sound Systems

The Sound Planning Communications (SPC) team partners with our clients to design audio and visual solutions that are specific to business, religious and educational applications. Be it new design, system upgrade, programming modifications, acoustic tuning or troubleshooting, our AVL (audio, video and lighting) experts are confident to tackle it. We are uniquely qualified to design, build, and maintain systems of any scope and size. We leverage technology and nearly 50 years of integration experience to your advantage.

SPC can turn any space into a state-of-the-art, multimedia hub, complete with automated touch-screen control of video projectors, motorized projection screens, high-definition displays and hifi audio that is tuned to the specifics of its environment. We are high-performance, high fidelity, high definition, and highly recommended. Our greatest accomplishment is not building relationships, it's sustaining them.

Pricing:

Competition Gym - New Sound System - \$24,662.89

Scope of Work: *New System to utilize existing speakers wiring. Sound Planning Communications believes these speakers to be in good working condition based on conversations had with various athletic department members on site. A new DSP, amplifier, mixer, media player, and Bluetooth system are to be installed. A new dual microphone system is to be installed with a handheld and belt pack system with a fitness headset.*

Alternate 1 – Add (15) new speakers to system - +\$25,609.18

Alternate 2 – Add subwoofers to system - +\$13,428.98

Pool – New Sound System: \$27,337.71

Scope of Work: *New System to include new speakers and new wiring run throughout pool area and bleachers area. A total of 24 new ceiling speakers to be installed. A new DSP, amplifier, mixer, media player, and Bluetooth system are to be installed. A new dual microphone system is to be installed with a handheld and belt pack system with a fitness headset.*

Football Field - New Sound System \$34,178.52

Scope of Work: *The new system is to include a combination of Community speakers for side, front, visitor throw, and concession stand throw. A new amplifier, mixer, media player, and Bluetooth system are to be installed. The existing DSP is to be used in this design. A new dual microphone system is to be installed with a handheld and belt pack system with a fitness headset.*

Package A:

Total Combined Cost without Alternates: \$86,179.12

Total Combined Cost without Alternates and *Discount: \$81,008.37

Package B:

Total Combined Cost with Alternates: \$125,217.28

Total Combined Cost out Alternates and *Discount: \$117,704.24

***A discount of 6% will be applied to a complete package of the Competition Gym, Pool, and Football Field are awarded to Sound Planning.**

PRIOR TO INSTALLATION

Upon acceptance of the proposal and receipt of contract, Sound Planning will order all equipment specified in this proposal and complete the engineering process.

INSTALLATION AT JOB SITE

The client will be responsible for any and all structural and electrical upgrades needed to support the installation of the systems. **Note that electrical work is not believed to be required at this time.** Once installation is complete, Sound Planning will inspect the installation, tune the system and train operators.

Installation is to include:

- Mount, install and adjust all equipment.
- Install all equipment into the rack.
- Dress and terminate all wiring per normal accepted practices.
- Install all wall and trim plates as required for the installation.
- Label all the wiring and equipment as necessary.

EXECUTION

- Sound Planning will use equipment in the manner specified and shall install it in accordance within its specifications and manufacturer's recommendations.
- Sound Planning will leave the job site and all equipment clean and free from marks and blemishes.
- Sound Planning will clearly and logically label all controls, jacks and receptacles with their function in this system
- Sound Planning will hold a training session to teach the operation and capabilities of the new audio system.

WARRANTY

The installation work on your audio system is guaranteed against defects for a period of one year from the date of installation. This guarantee shall not apply if the equipment installed is damaged due to misuse, use by unauthorized persons, vandalism, theft, or accident (including damage to the school premises through natural or man-made events, such as fire, storm construction, etc.).

Commercial AVL Solutions
(313) 255-4100
13000 Inkster Rd. • Redford, MI 48239
www.soundplanningavl.com
Immersive Experience for Life



CONFIDENTIALITY

The designs, engineering, and installation specifications, as well as the contents of this proposal are proprietary to Sound Planning Communications., Inc. and are not to be disclosed in whole or in part to anyone for competitive quotation or design review. The information and concepts contained in this proposal are protected by law and are the sole property of Sound Planning Communications., Inc. until the rights are purchased through the acceptance of this proposal.

Payment terms are NET 30 days. This proposal is valid for 30 days. All returned items are subject to a 20 percent restocking fee.

All new equipment, materials and labor provided by Sound Planning will be covered by our one-year warranty. In addition, certain manufacturers will provide extended warranties for up to five years for their products.

We appreciate this opportunity to be of service to you. If we can provide additional information please contact me by telephone at 313 255-4100.

Sincerely,

Carrick Secorski
AVL Sales Specialist
W: 313-255-4100
C: 248-533-9519
Email: csecorski@soundplanning.net

March 11th, 2025

Livonia Public Schools
Re: Stevenson High School Athletics Sound Systems

The Sound Planning Communications (SPC) team partners with our clients to design audio and visual solutions that are specific to business, religious and educational applications. Be it new design, system upgrade, programming modifications, acoustic tuning or troubleshooting, our AVL (audio, video and lighting) experts are confident to tackle it. We are uniquely qualified to design, build, and maintain systems of any scope and size. We leverage technology and nearly 50 years of integration experience to your advantage.

SPC can turn any space into a state-of-the-art, multimedia hub, complete with automated touch-screen control of video projectors, motorized projection screens, high-definition displays and hifi audio that is tuned to the specifics of its environment. We are high-performance, high fidelity, high definition, and highly recommended. Our greatest accomplishment is not building relationships, it's sustaining them.

Pricing:

Competition Gym - New Sound System - \$16,992.64

Scope of Work: *New System to utilize existing speakers wiring. Sound Planning Communications believes these speakers to be in good working condition based on conversations had with various athletic department members on site. A new DSP, amplifier, mixer, media player, and Bluetooth system are to be installed. A new dual microphone system is to be installed with a handheld and belt pack system with a fitness headset.*

Alternate 1 – Add (12) new speakers to system - +\$19,545.76

Alternate 2 – Add subwoofers to system - +\$13,876.98

Pool – New Sound System: \$11,600.55

Scope of Work: *New System to utilize existing speakers wiring. Sound Planning Communications believes these speakers to be in good working condition based on conversations had with various athletic department members on site. A new DSP, amplifier, mixer, media player, and Bluetooth system are to be installed. A new dual microphone system is to be installed with a handheld and belt pack system with a fitness headset.*

Football Field - New Sound System \$31,598.48

Scope of Work: *The new system is to include a combination of Community speakers for side, front, visitor throw, and concession stand throw. A new amplifier, mixer, media player, and Bluetooth system are to be installed. The existing DSP is to be used in this design. A new dual microphone system is to be installed with a handheld and belt pack system with a fitness headset.*

Package A:

Total Combined Cost without Alternates: \$60,191.67

Total Combined Cost without Alternates and *Discount: \$56,580.17

Package B:

Total Combined Cost with Alternates: \$93,614.41

Total Combined Cost out Alternates and *Discount: \$87,997.55

***A discount of 6% will be applied to a complete package of the Competition Gym, Pool, and Football Field are awarded to Sound Planning.**

PRIOR TO INSTALLATION

Upon acceptance of the proposal and receipt of contract, Sound Planning will order all equipment specified in this proposal and complete the engineering process.

INSTALLATION AT JOB SITE

The client will be responsible for any and all structural and electrical upgrades needed to support the installation of the systems. **Note that electrical work is not believed to be required at this time.** Once installation is complete, Sound Planning will inspect the installation, tune the system and train operators.

Installation is to include:

- Mount, install and adjust all equipment.
- Install all equipment into the rack.
- Dress and terminate all wiring per normal accepted practices.
- Install all wall and trim plates as required for the installation.
- Label all the wiring and equipment as necessary.

EXECUTION

- Sound Planning will use equipment in the manner specified and shall install it in accordance within its specifications and manufacturer's recommendations.
- Sound Planning will leave the job site and all equipment clean and free from marks and blemishes.
- Sound Planning will clearly and logically label all controls, jacks and receptacles with their function in this system
- Sound Planning will hold a training session to teach the operation and capabilities of the new audio system.

WARRANTY

The installation work on your audio system is guaranteed against defects for a period of one year from the date of installation. This guarantee shall not apply if the equipment installed is damaged due to misuse, use by unauthorized persons, vandalism, theft, or accident (including damage to the school premises through natural or man-made events, such as fire, storm construction, etc.).

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CONFIDENTIALITY

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Payment terms are NET 30 days. This proposal is valid for 30 days. All returned items are subject to a 20 percent restocking fee.

All new equipment, materials and labor provided by Sound Planning will be covered by our one-year warranty. In addition, certain manufacturers will provide extended warranties for up to five years for their products.

We appreciate this opportunity to be of service to you. If we can provide additional information please contact me by telephone at 313 255-4100.

Sincerely,

Carrick Secorski
AVL Sales Specialist
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Email: csecorski@soundplanning.net



Project Proposal: Sound System Modernization for Livonia Public Schools

Prepared by: AFP Sound Systems

Client Contacts: Casey Conway, Arnold Muscat, Dusty Hall

Site Visit Date: November 21st 2024 and March 20th, 2025

Proposal Date: April 14, 2025

1. Introduction

AFP Sound Systems is pleased to present this proposal for the complete modernization of the audio systems at Churchill High School, Franklin High School, and Stevenson High School—three facilities within the Livonia Public Schools district. Following our site visits on November 21 and March 20th, we evaluated each venue's current audio setup and identified a number of critical areas for improvement. The existing systems are outdated, uneven in coverage, and in some cases, had components that are no longer functional. These deficiencies limit the impact of announcements and hinder the quality of the experience for spectators, athletes, and staff alike.

We understand the importance of reliable, intelligible, and easy-to-use audio systems in school environments. Our proposal reflects this understanding, offering tailored solutions for each location based on its layout, usage, and acoustic challenges. From large outdoor stadiums to reverb-heavy pools, each design takes into account your unique needs.

2. Project Goals and Approach

The goal of this project is to replace aging and inconsistent systems with modern, robust solutions that provide:

- **Clear, intelligible sound** that reaches all audience and participant areas
- **Even coverage** across large and acoustically difficult spaces
- **Reliable wireless microphone systems** for announcements and events
- **Simple, intuitive controls** that school staff can manage without specialized training



At AFP Sound Systems, we pride ourselves on using the right tools for the job—not simply what's most convenient. That philosophy has guided the designs we've prepared for this project.

3. System Designs by Location

Churchill High School

Football Field

For the football field, we recommend Community R1-94Z horn-loaded speakers. These long-throw units are ideal for wide outdoor spaces and provide crystal-clear speech projection. We'll mount four of these speakers on the home-side light poles, dividing the field into two zones—one focused on the home bleachers and the other covering the field and visitor seating. This zoning ensures even coverage with no dead spots or echoing overlap.

Power and signal will be handled by Crown CDi Series amplifiers, known for their reliability. Audio processing will be managed by a DBX ZonePro 641m unit. Wireless audio will come through Shure's SLXD24D/SM58 handheld systems, offering reliable performance with excellent vocal clarity.

Staff will control the system using a straightforward interface, with individual volume and mute controls for each source—microphones, Bluetooth, and auxiliary devices.

Competition Gym

The gym at Churchill spans three basketball courts, with retractable bleachers extending across the side courts during events. To accommodate this, our design includes a primary line of JBL AWC129 full-range speakers focused on the main bleachers and an additional row positioned over the bleachers to act as a delay line. This configuration ensures that audio remains intelligible whether the bleachers are in or out, and no matter where spectators are seated.

Signal flow, amplification, wireless mic configuration, and control system will follow the same standards as the football field for familiarity and ease of maintenance.

Pool environments are notoriously challenging due to hard surfaces and high reverb. To combat this, we propose using JBL Control 29AV-1 speakers with rotatable high-frequency horns. These speakers will be installed close to the audience seating and walkways to direct sound where it's needed most. The system will also include speakers over the starting block area so swimmers and officials can clearly hear announcements.

As with other venues, we'll include Shure wireless microphones, DBX signal processors, and Crown CDi amplification. Bluetooth and MP3 playback will be supported, and the system will feature user-friendly physical controls.

Franklin High School

Football Field

Similar to Churchill, the Franklin field will use Community R1-94Z speakers, but with an added twist. After speaking with the athletic director, it was clear there's a need to cover the area behind the north end zone. To address this, we'll add a third speaker to the north-side light pole to ensure full coverage.

Audio routing, wireless support, and control will be identical to Churchill for consistency across the district.

Competition Gym

Franklin's gym is configured with central courts and bleachers on either side. To optimize clarity, we'll divide the gym into three audio zones. Zones 1 and 3 will serve the bleachers with focused JBL AWC 129 speakers, while Zone 2 will feature ceiling-mounted JBL AWC159 units aimed directly at the court to ensure coaches, players, and referees all receive clear announcements.

The control interface will allow easy adjustment of each zone, and the system will be fully integrated with Bluetooth and physical input support.

Pool

Franklin's pool space includes a drop ceiling, which gives us the perfect opportunity for a clean ceiling speaker installation. We'll distribute JBL Control 26CT ceiling speakers along the pool deck and bleachers. Two rows of speakers will span the bleacher section, ensuring no area is left out.



We'll install a secure wall-mounted rack in the office, housing the amplification, signal processing, and Bluetooth interface. Staff will operate the system using a simple panel with labeled controls.

Stevenson High School

Football Field

The design here will mirror the approach taken at Churchill and Franklin, with Community R1-94Z horn speakers mounted on home-side poles and split into two coverage zones: one for the bleachers and one for the field and visitor seating. This provides high-fidelity projection for music and speech across the stadium.

Shure wireless microphones, DBX ZonePro processing, and Crown CDi amplification will round out the system, which will also include a straightforward volume control interface for daily use.

During our site visit it was requested that we look into getting audio to the concession stand. We've included a separate system that will receive audio from the pressbox through a Shure wireless point to point setup for reliable signal, a JBL Control 28 speaker, and a rack that lives by the concession stand for ease of access.

Competition Gym

At Stevenson, the gym system will be broken into three audio zones, served by JBL AWC129 and JBL 159 speakers. The bleacher zones will receive directional coverage, while the court zone will be covered From above.

The entire system will be installed into a AV rack located in a secure closet—providing a fully integrated solution that eliminates the need for setup or teardown before events. Additionally, per the athletic director's request, we'll include a CD player in the system for playback flexibility.

Pool

Stevenson's pool will follow a similar approach to Franklin's, utilizing the drop ceiling to house JBL Control 26CT ceiling speakers. These will be distributed evenly over the deck and bleacher areas, providing strong, intelligible sound throughout the space.

All equipment will be rack-mounted and professionally installed, and the control system will be consistent with the other schools—easy to operate and clearly labeled.



4. Installation Scope and Responsibilities

AFP Sound Systems will provide and install all audio components, including speakers, processors, amplifiers, microphones, racks, cabling, and control systems. We will handle all physical installation, tuning, and programming.

Removal and Discard of old equipment where appropriate.

Our responsibilities include:

- Delivery and installation of equipment
- All system cabling, programming, and commissioning
- End-user training and support
- Post-installation documentation

The school district is responsible for:

- Providing power
 - Handling permits or electrical upgrades (if necessary)
-

5. Testing & Training

Every system will be tested upon installation. We'll verify signal flow, calibrate EQ and delay, and ensure even coverage using both speech and music material.

Once complete, we'll host a hands-on training session for each location. Staff will learn how to operate the system, switch between inputs, adjust levels, and manage any day-to-day troubleshooting. All documentation, diagrams, and labels will be included for future reference.



6. Budget Summary

School	Venue	Estimated Cost
Churchill High School	Football Field	\$38,707.23
	Competition Gym	\$37,366.69
	Pool	\$19,741.63
Franklin High School	Football Field	\$45,351.78
	Competition Gym	28,500.48
	Pool	\$18,902.99
Stevenson High School	Football Field	\$44,325.08
	Competition Gym	\$27,974.68
	Pool	\$18902.99
Subtotal		\$279,773.57
5% Multi-School Discount on Equipment		– \$13,988.68
Total Project Cost		\$256,784.89

This estimate includes equipment, installation, shipping, configuration, and training. A detailed itemized breakdown can be provided upon request. The estimate is only good for 30 days from receipt, before it is subject to market adjustments. An equipment list has been attached for your convenience.

7. Terms

A 50% deposit is required to secure equipment, materials, and scheduling. An additional 25% payment is due upon commencement of installation. The remaining balance (25%) is due upon project completion.



8. Exclusions

This proposal does **not** cover:

- High-voltage electrical work
 - Permitting and inspection fees (if applicable)
 - Ongoing service or maintenance beyond the included 90-day support period
 - Trenching on football fields – the planned installation includes wiring suspended from bleachers to home side lighting poles
-

9. Conclusion

We appreciate the opportunity to partner with Livonia Public Schools in bringing professional-grade sound systems to your athletic venues. These upgrades will significantly enhance the experience for everyone involved—athletes, coaches, staff, and the greater community. With modern, dependable audio systems, clear announcements and impactful events will become the new standard across all three schools.

We're ready to move forward when you are. If you'd like to review the full budget or need a printable version of this proposal, just let us know—we're here to help.

Prepared By:

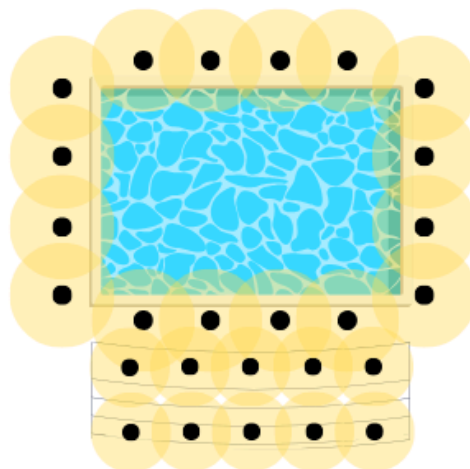
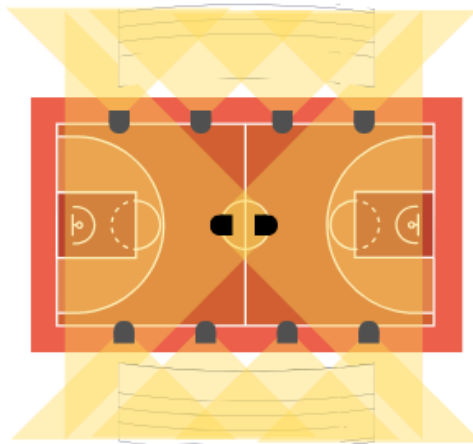
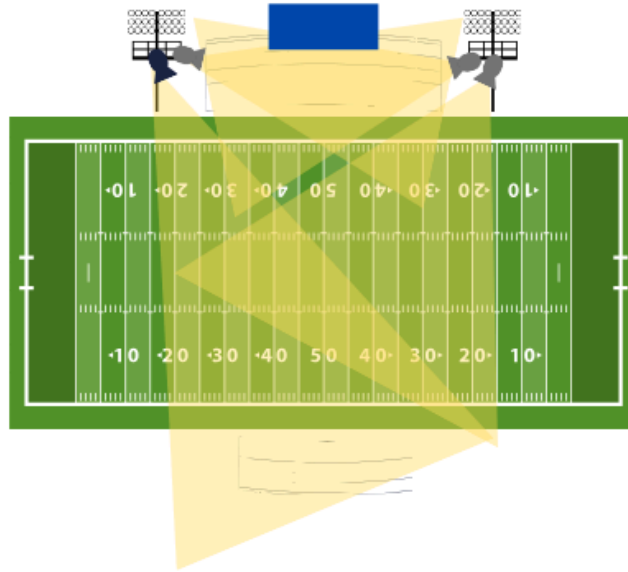
AFP Sound Systems

James Gietzen / Sean Weyers

248.669.9900

James@afpsoundsystems.com

Speaker Layout / Coverage



Equipment list

Churchill Football Field		
Item	Description	Quantity
<p>Biamp R1-94Z 12" 2-Way Horn-Loaded Speaker with 80x35 Dispersion, Weather Resistant, Gray</p>	<p>The Community R1-94Z two-way full-range loudspeaker system is engineered to provide quality full-range sound projection in a variety of outdoor and indoor applications. Its wide range, smooth frequency response and high efficiency ensures both high fidelity music reproduction and superb projection of clear intelligible speech with very low distortion. The R1 loudspeakers are available in two versions. The standard version is weather-ready, with a WeatherStop™ grille and light grey finish. The BNG version, with black exterior and no grille, is more suitable for indoor applications. A weather-resistant mounting yoke is included.</p>	<p>4</p>
<p>Biamp TRC400 Line Transformer for 70V, 100V and 140V, 400W</p>	<p>The TRC400 is a 400 Watt line transformer used to step down the voltage and impedance of "constant voltage" audio distribution lines to the voltage level and impedance required by loudspeakers. It can also be used to step up the voltage of an amplifier to the voltage needed for a distribution line. The TRC400 has three output taps. The taps allow individual loudspeakers to be adjusted to operate at the same or different power levels compared to other loudspeakers in a system on the distribution line. The input taps on the TRC400 allow it to be used with 70V, 100V, and 140V distribution systems. The output</p>	<p>4</p>

	taps of the TRC400 are designed to drive either 8 ohm or 4 ohm loudspeakers.	
Crown CDi 4000 2-Channel Power Amplifier, 1200W at 4 Ohms, 70 / 140V	The CDi 4000 is a professional-grade power amplifier designed and built for installed sound applications. It's rugged and lightweight, with two channels, 1200 W of stereo power at 4 Ω , and 70 V/140 V operation. The unit's intuitive front-panel LCD screen allows quick, easy configuration. Onboard DSP includes crossovers, EQ filters, delay, and output limiting, with up to 20 user-defined presets available	2
Adaptive Technologies Group PM-24-6UP-G	The ATM Flyware PoleStar PM-24-6UP-G UniFrame is a complete mounting solution for outdoor loudspeakers. Its design combines the attributes of the PoleStar stainless "a-la-carte" version into just two models produced in steel and then galvanized to an outdoor weather rating.	4
System Processing		
DBX ZonePro 641m 6x4 Digital Zone Processor	With 6 inputs and 4 outputs the dbx ZonePRO® 641m provides flexible signal routing, powerful DSP processing and multiple control interfaces for commercial audio applications	1
DBX ZC-2 Zone Controller with Volume and Mute, for Driverack	The ZC-2 remote device provides computer programmable rotary potentiometer and push-button volume control and muting for the DriveRack 220i, 260, 4800/4820, and ZonePRO products. It's single gang in size and can be wall mounted up to 1000 feet away from your device, connected via Cat5 cable. It has DIP switches allowing	6

	identification with connection to the processing device.	
Lowell D8P-ID-3 Decorator Rack Panel, 3 Rack Unit, 8 Devices	The D8P-ID-3 is a 19" (3U) steel rackmount panel with eight punched openings to hold up to eight (1-gang) Decora® style devices, and a PocketIDTM label area. The panel uses minimal rack space while providing an organized solution for mounting and identifying low-voltage devices in the front of the rack. It includes a rear lacing flange for wire management, hardware, and a mounted polycarbonate overlay with clear Pocket-IDTM area for labels. Smooth, semi-gloss, black epoxy finish. Order device controls and filler plates separately.	1
Other input Devices		
Shure SLXD24D/SM58 Dual Wireless System with 2 SLXD2/SM58	The SLXD24D/SM58 features two legendary SM58 cardioid dynamic microphone capsules on top of the SLXD2 handheld wireless transmitters.	1
Technical Pro BLUEDECK-2 Rackmount Bluetooth Audio Receiver	With its sleek design and incredible range, Technical Pro's BLUEDECK Bluetooth® Audio Receiver is designed to fit in the tightest of spaces and built with the same long lasting design that you can expect from the engineers at Technical Pro.	1
Input Panel	Custom pannel	1



Shure MX412D/C	<p>The MX412D/C from Shure is a 12" Microflex Gooseneck Condenser Microphone with cardioid polar pattern and base for desktop use. It features an attached XLR preamp, shock and flange mount, and snap-fit foam windscreen. Shure Microflex® Standard Gooseneck microphones bring a whole new meaning to the word flexible with a fully adjustable gooseneck. Designed for easy replacement and available in cardioid, supercardioid and omnidirectional polar patterns, the interchangeable cartridges offer wide frequency response and accurate sound reproduction for a wide variety of applications, such as houses of worship, courtrooms and conference centers. Plus, the condenser cartridges fit every model in the Microflex product line for enhanced convenience and consistent sound.</p>	1
Furman M-8S 15A Power Sequencer	<p>From Furman, the Merit M-8S Power Sequencer is a cost-effective AC power solution for any rack mount system. Install an M-8S in your rack, eight outlets in the rear panel will power up in sequence and protect equipment up to a 15-amp load.</p>	1
10-2 SJOOW cable		1000ft
Churchill Gym		
Item	Description	Quantity

<p>JBL AWC129 12" 2-Way All-Weather Coaxial Speaker</p>	<p>The AWC129 is a compact, coaxial-driver, 2-way, highly weather-resistant full-range loudspeaker system from JBL which is ideal for speech and music in a wide variety of applications. It consists of a high-power coaxial 12" (300mm) low-frequency (LF) driver and 1" (25mm) high-frequency (HF) compression driver. It comes in your choice of Black or Light Gray.</p>	<p>16</p>
<p>JBL AWC159 15" All Weather Compact Coaxial Speaker</p>	<p>The JBL AWC159 is a compact, coaxial-driver, 2-way, highly weather-resistant full-range loudspeaker system which is ideal for speech and music in a wide variety of applications, including sports facilities, racetracks, stadiums, fairgrounds, rodeos, skating rinks, themed entertainment venues, cruise ships, water parks, outdoor background music/paging systems, swimming pools, and a wide variety of other outdoor or indoor venue types.</p>	<p>2</p>
<p>Crown CDi 1000 2-Channel Power Amplifier, 500W at 4 Ohms, 70V/140V</p>	<p>The CDi 1000 is a professional-grade power amplifier designed and built for installed sound applications. It's rugged and lightweight, with two channels, 500 W of stereo power at four ohms, and 70 V/140 V operation. The CDi 1000's intuitive front-panel LCD screen allows quick, easy configuration. Onboard DSP includes crossovers, EQ filters, delay, and output limiting, with up to 20 user-defined presets available.</p>	<p>1</p>
<p>Crown CDi 4000 2-Channel Power Amplifier, 1200W</p>	<p>The CDi 4000 is a professional-grade power amplifier designed and built for installed sound applications. It's rugged and lightweight, with two channels, 1200 W of stereo power at 4 Ω, and 70 V/140 V operation. The unit's intuitive front-panel LCD screen allows quick, easy configuration. Onboard DSP includes</p>	<p>2</p>

	<p>crossovers, EQ filters, delay, and output limiting, with up to 20 user-defined presets available.</p>	
System Processing		
DBX ZonePro 641m 6x4 Digital Zone Processor	<p>With 6 inputs and 4 outputs the dbx ZonePRO® 641m provides flexible signal routing, powerful DSP processing and multiple control interfaces for commercial audio applications</p>	1
DBX ZC-2 Zone Controller with Volume and Mute, for Driverack	<p>The ZC-2 remote device provides computer programmable rotary potentiometer and push-button volume control and muting for the DriveRack 220i, 260, 4800/4820, and ZonePRO products. It's single gang in size and can be wall mounted up to 1000 feet away from your device, connected via Cat5 cable. It has DIP switches allowing identification with connection to the processing device.</p>	7
Lowell D8P-ID-3 Decorator Rack Panel, 3 Rack Unit, 8 Devices	<p>The D8P-ID-3 is a 19" (3U) steel rackmount panel with eight punched openings to hold up to eight (1-gang) Decora® style devices, and a PocketIDTM label area. The panel uses minimal rack space while providing an organized solution for mounting and identifying low-voltage devices in the front of the rack. It includes a rear lacing flange for wire management, hardware, and a mounted polycarbonate overlay with clear Pocket-IDTM area for labels. Smooth, semi-gloss, black epoxy finish. Order device controls and filler plates separately.</p>	1



Other input Devices		
Shure SLXD24D/SM58 Dual Wireless System with 2 SLXD2/SM58	The SLXD24D/SM58 features two legendary SM58 cardioid dynamic microphone capsules on top of the SLXD2 handheld wireless transmitters.	1
Input Panel	Custom pannel	1
Other bluetooth for external antennae?		
Misc.		
Furman M-8S 15A Power Sequencer	From Furman, the Merit M-8S Power Sequencer is a cost-effective AC power solution for any rack mount system. Install an M-8S in your rack, eight outlets in the rear panel will power up in sequence and protect equipment up to a 15-amp load.	1
Middle Atlantic CWR-12-21SD4 2' Cabling Wall Mount Rack, 21D	The Data Wall Rack features 12-24 threaded rack rails and a rear latch lock. Tailored for structured cabling, the CWR is a versatile solution for mounting various patch panels and voice/data equipment, ideal for limited floor and wall space.	1
West Penn 25292B 500 500' 20AWG 2-Conductor Stranded Plenum Audio Cable	Indoor within ducts, plenums and other spaces used for environmental air for:	1

<p>Gator GRW-DRW2 2RU, 14.2" Deep Lockable Rack Drawer</p>	<p>The Gator Cases Rackworks GRW-DRW2 is a 2RU lockable rack drawer with a 14.2" depth and features solid steel construction</p>	<p>1</p>
<p>RDL DB-BT1A Wall-Mounted Bluetooth® Audio Format-A Interface</p>	<p>The D SERIES-BT1A modules are Bluetooth audio receiving modules compatible with RDL® Format-A twisted pair receivers. When paired with a compatible Bluetooth enabled device, the module receives stereo audio from the Bluetooth source. The stereo signal is sent through two Format-A pairs to any RDL Format-A receiver. A stereo/mono switch set by the installer permits summed mono audio to be sent over one switch-selected pair to the Format-A receiver.</p>	<p>1</p>
<p>RDL TX-TPR2A Active Single-Pair Receiver Format A</p>	<p>Add the flexibility of RDL's TX-TPR2A line-level receiver to your next install. The two-pair audio receiving module is compatible with RDL Format-A twisted pair products. Audio is input via an RJ45 jack that feeds a pair of terminal block outputs, sending balanced or unbalanced signals to the desired destination. The receiver features bridging inputs, allowing for the connection of up to nine additional Format-A twisted pair receiver outputs when connected via their Loop Out jacks, offering wide flexibility in system design. The TX-TPR2A may be powered directly from a 24 Vdc power supply. Local power connected to the module is also fed to all modules connected to the INPUT RJ45 jack. The TX-TPR2A may be remotely powered through the twisted pair cable from any other module, signal distributor, or RDL power inserter connected to the same twisted pair cable. A power supply is not included.</p>	<p>1</p>

Churchill Pool		
Item	Description	Quantity
JBL Control 29AV-1 8" 2-Way Monitor Speaker	The JBL Control 29AV-1 provides improved voicing for extremely flat, high fidelity performance, extended bandwidth and well-controlled defined coverage from a compact loudspeaker. The rotatable high-frequency horn allows use of the speaker in either vertical or horizontal orientation. Consistent coverage ensures excellent sound character throughout the listening area. Moderate magnetic shielding allows use of the speaker as close as 9" to video monitors. The top-quality line distribution transformer, designed for minimal insertion loss and reduced saturation, allows use of either 70V or 100V distributed speaker lines. In bypass position, the 8 ohm impedance allows use of multiple speakers on a loudspeaker line.	14
Crown CDi 1000 2-Channel Power Amplifier	The CDi 1000 is a professional-grade power amplifier designed and built for installed sound applications. It's rugged and lightweight, with two channels, 500 W of stereo power at four ohms, and 70 V/140 V operation. The CDi 1000's intuitive front-panel LCD screen allows quick, easy configuration. Onboard DSP includes crossovers, EQ filters, delay, and output limiting, with up to 20 user-defined presets available.	2
JBL MTC-29UB U-Bracket for Control 29AV	JBL's MTC-29UB is an optional U-bracket designed for use with the Control 29AV loudspeaker. The U-bracket allows installation of the enclosure to flat sturdy surfaces when the included InvisiBall Mounting Structure is not appropriate. The MTC-29UB is	14



	constructed of 11 gauge steel (0.12" thick), and is finished in polyester-based black powder coating.	
System Processing		
DBX ZonePro 641m 6x4 Digital Zone Processor	With 6 inputs and 4 outputs the dbx ZonePRO® 641m provides flexible signal routing, powerful DSP processing and multiple control interfaces for commercial audio applications	1
DBX ZC-2 Zone Controller with Volume and Mute, for Driverack	The ZC-2 remote device provides computer programmable rotary potentiometer and push-button volume control and muting for the DriveRack 220i, 260, 4800/4820, and ZonePRO products. It's single gang in size and can be wall mounted up to 1000 feet away from your device, connected via Cat5 cable. It has DIP switches allowing identification with connection to the processing device.	7
Lowell D8P-ID-3 Decorator Rack Panel, 3 Rack Unit, 8 Devices	The D8P-ID-3 is a 19" (3U) steel rackmount panel with eight punched openings to hold up to eight (1-gang) Decora® style devices, and a PocketIDTM label area. The panel uses minimal rack space while providing an organized solution for mounting and identifying low-voltage devices in the front of the rack. It includes a rear lacing flange for wire management, hardware, and a mounted polycarbonate overlay with clear Pocket-IDTM area for labels. Smooth, semi-gloss, black epoxy finish. Order device controls and filler plates separately.	1
Other input Devices		



Shure SLXD24D/SM58 Dual Wireless System with 2 SLXD2/SM58	The SLXD24D/SM58 features two legendary SM58 cardioid dynamic microphone capsules on top of the SLXD2 handheld wireless transmitters.	1
Technical Pro BLUEDECK-2 Rackmount Bluetooth Audio Receiver	With its sleek design and incredible range, Technical Pro's BLUEDECK Bluetooth® Audio Receiver is designed to fit in the tightest of spaces and built with the same long lasting design that you can expect from the engineers at Technical Pro.	1
Input Panel	Custom pannel	1
Misc.		
Furman M-8S 15A Power Sequencer	From Furman, the Merit M-8S Power Sequencer is a cost-effective AC power solution for any rack mount system. Install an M-8S in your rack, eight outlets in the rear panel will power up in sequence and protect equipment up to a 15-amp load.	1
Middle Atlantic UD2 2RU Sliding Shelf / Rack Drawer	Drawer contents will always remain inside with the fully enclosed design of our UD series rackmountable utility drawers. Full extension ball bearing slides smoothly extend a full 14" to reveal inside dimensions measuring 15 7/8 wide by 14 1/2" deep. Storage height is only 1/2 less than the actual racking height. Each model comes with a face mounted drawer pull. A user-installed latch and keylock are optionally available. Black powder coat finish.	1



West Penn 25292B 500 500' 20AWG 2-Conductor Stranded Plenum Audio Cable	Indoor within ducts, plenums and other spaces used for environmental air for:	500ft
Franklin Football Field		
Item	Description	Quantity
Biamp R1-94Z 12" 2-Way Horn-Loaded Speaker with 80x35 Dispersion, Weather Resistant, Gray	The Community R1-94Z two-way full-range loudspeaker system is engineered to provide quality full-range sound projection in a variety of outdoor and indoor applications. Its wide range, smooth frequency response and high efficiency ensures both high fidelity music reproduction and superb projection of clear intelligible speech with very low distortion. The R1 loudspeakers are available in two versions. The standard version is weather-ready, with a WeatherStop™ grille and light grey finish. The BNG version, with black exterior and no grille, is more suitable for indoor applications. A weather-resistant mounting yoke is included.	4
Biamp TRC400 Line Transformer for 70V, 100V and 140V, 400W	The TRC400 is a 400 Watt line transformer used to step down the voltage and impedance of "constant voltage" audio distribution lines to the voltage level and impedance required by loudspeakers. It can also be used to step up the voltage of an amplifier to the voltage needed for a distribution line. The TRC400 has three output taps. The taps allow individual loudspeakers to be adjusted to operate at the same or different power levels compared to other loudspeakers in a system on the distribution line. The input taps on the	4



	TRC400 allow it to be used with 70V, 100V, and 140V distribution systems. The output taps of the TRC400 are designed to drive either 8 ohm or 4 ohm loudspeakers.	
Crown CDi 4000 2-Channel Power Amplifier, 1200W at 4 Ohms, 70 / 140V	The CDi 4000 is a professional-grade power amplifier designed and built for installed sound applications. It's rugged and lightweight, with two channels, 1200 W of stereo power at 4 Ω, and 70 V/140 V operation. The unit's intuitive front-panel LCD screen allows quick, easy configuration. Onboard DSP includes crossovers, EQ filters, delay, and output limiting, with up to 20 user-defined presets available	3
Adaptive Technologies Group PM-24-6UP-G	The ATM Flyware PoleStar PM-24-6UP-G UniFrame is a complete mounting solution for outdoor loudspeakers. Its design combines the attributes of the PoleStar stainless "a-la-carte" version into just two models produced in steel and then galvanized to an outdoor weather rating.	5
Biamp R.5COAX66T 12" 2-Way Full Range Coaxial Speaker with Transformer, Weather Resistant	Community's R.5COAX-66T high fidelity, two-way, full-range loudspeaker system is engineered to provide quality full-range sound in a variety of outdoor and indoor applications. Its wide range, smooth frequency response and high efficiency ensure both high fidelity music reproduction and superb projection of clear intelligible speech with very low distortion. Five year limited warranty.	1
System Processing		

<p>DBX ZonePro 641m 6x4 Digital Zone Processor</p>	<p>With 6 inputs and 4 outputs the dbx ZonePRO® 641m provides flexible signal routing, powerful DSP processing and multiple control interfaces for commercial audio applications</p>	<p>1</p>
<p>DBX ZC-2 Zone Controller with Volume and Mute, for Driverack</p>	<p>The ZC-2 remote device provides computer programmable rotary potentiometer and push-button volume control and muting for the DriveRack 220i, 260, 4800/4820, and ZonePRO products. It's single gang in size and can be wall mounted up to 1000 feet away from your device, connected via Cat5 cable. It has DIP switches allowing identification with connection to the processing device.</p>	<p>6</p>
<p>Lowell D8P-ID-3 Decorator Rack Panel, 3 Rack Unit, 8 Devices</p>	<p>The D8P-ID-3 is a 19" (3U) steel rackmount panel with eight punched openings to hold up to eight (1-gang) Decora® style devices, and a PocketIDTM label area. The panel uses minimal rack space while providing an organized solution for mounting and identifying low-voltage devices in the front of the rack. It includes a rear lacing flange for wire management, hardware, and a mounted polycarbonate overlay with clear Pocket-IDTM area for labels. Smooth, semi-gloss, black epoxy finish. Order device controls and filler plates separately.</p>	<p>1</p>
<p>Other input Devices</p>		
<p>Shure SLXD24D/SM58 Dual Wireless System with 2 SLXD2/SM58</p>	<p>The SLXD24D/SM58 features two legendary SM58 cardioid dynamic microphone capsules on top of the SLXD2 handheld wireless transmitters.</p>	<p>1</p>

Technical Pro BLUEDECK-2 Rackmount Bluetooth Audio Receiver	With its sleek design and incredible range, Technical Pro's BLUEDECK Bluetooth® Audio Receiver is designed to fit in the tightest of spaces and built with the same long lasting design that you can expect from the engineers at Technical Pro.	1
Input Panel	Custom pannel	1
Shure MX412D/C Cardioid Gooseneck Mic with Desktop Base	The MX412D/C from Shure is a 12" Microflex Gooseneck Condenser Microphone with cardioid polar pattern and base for desktop use. It features an attached XLR preamp, shock and flange mount, and snap-fit foam windscreen. Shure Microflex® Standard Gooseneck microphones bring a whole new meaning to the word flexible with a fully adjustable gooseneck. Designed for easy replacement and available in cardioid, supercardioid and omnidirectional polar patterns, the interchangeable cartridges offer wide frequency response and accurate sound reproduction for a wide variety of applications, such as houses of worship, courtrooms and conference centers. Plus, the condenser cartridges fit every model in the Microflex product line for enhanced convenience and consistent sound.	1
Misc.		
Furman M-8S 15A Power Sequencer	From Furman, the Merit M-8S Power Sequencer is a cost-effective AC power solution for any rack mount system. Install an M-8S in your rack, eight outlets in the rear panel will power up in sequence and protect equipment up to a 15-amp load.	1



Middle Atlantic EWR-16-17 16SP Wall Mount Rack at 17" Depth		1
10-2 SJOOW cable		1000ft
Franklin Gym		
Item	Description	Quantity
JBL AWC129 12" 2-Way All-Weather Coaxial Speaker	The AWC129 is a compact, coaxial-driver, 2-way, highly weather-resistant full-range loudspeaker system from JBL which is ideal for speech and music in a wide variety of applications. It consists of a high-power coaxial 12" (300mm) low-frequency (LF) driver and 1" (25mm) high-frequency (HF) compression driver. It comes in your choice of Black or Light Gray.	8
JBL AWC159 15" All Weather Compact Coaxial Speaker	The JBL AWC159 is a compact, coaxial-driver, 2-way, highly weather-resistant full-range loudspeaker system which is ideal for speech and music in a wide variety of applications, including sports facilities, racetracks, stadiums, fairgrounds, rodeos, skating rinks, themed entertainment venues, cruise ships, water parks, outdoor background music/paging systems, swimming pools, and a wide variety of other outdoor or indoor venue types.	2

Crown CDi 1000 2-Channel Power Amplifier, 500W at 4 Ohms, 70V/140V	The CDi 1000 is a professional-grade power amplifier designed and built for installed sound applications. It's rugged and lightweight, with two channels, 500 W of stereo power at four ohms, and 70 V/140 V operation. The CDi 1000's intuitive front-panel LCD screen allows quick, easy configuration. Onboard DSP includes crossovers, EQ filters, delay, and output limiting, with up to 20 user-defined presets available.	1
Crown CDi 4000 2-Channel Power Amplifier, 1200W	The CDi 4000 is a professional-grade power amplifier designed and built for installed sound applications. It's rugged and lightweight, with two channels, 1200 W of stereo power at 4 Ω, and 70 V/140 V operation. The unit's intuitive front-panel LCD screen allows quick, easy configuration. Onboard DSP includes crossovers, EQ filters, delay, and output limiting, with up to 20 user-defined presets available.	1
System Processing		
DBX ZonePro 641m 6x4 Digital Zone Processor	With 6 inputs and 4 outputs the dbx ZonePRO® 641m provides flexible signal routing, powerful DSP processing and multiple control interfaces for commercial audio applications	1
DBX ZC-2 Zone Controller with Volume and Mute, for Driverack	The ZC-2 remote device provides computer programmable rotary potentiometer and push-button volume control and muting for the DriveRack 220i, 260, 4800/4820, and ZonePRO products. It's single gang in size and can be wall mounted up to 1000 feet	7

	away from your device, connected via Cat5 cable. It has DIP switches allowing identification with connection to the processing device.	
Lowell D8P-ID-3 Decorator Rack Panel, 3 Rack Unit, 8 Devices	The D8P-ID-3 is a 19" (3U) steel rackmount panel with eight punched openings to hold up to eight (1-gang) Decora® style devices, and a PocketIDTM label area. The panel uses minimal rack space while providing an organized solution for mounting and identifying low-voltage devices in the front of the rack. It includes a rear lacing flange for wire management, hardware, and a mounted polycarbonate overlay with clear Pocket-IDTM area for labels. Smooth, semi-gloss, black epoxy finish. Order device controls and filler plates separately.	1
Other input Devices		
Shure SLXD24D/SM58 Dual Wireless System with 2 SLXD2/SM58	The SLXD24D/SM58 features two legendary SM58 cardioid dynamic microphone capsules on top of the SLXD2 handheld wireless transmitters.	1
Technical Pro BLUEDECK-2 Rackmount Bluetooth Audio Receiver	With its sleek design and incredible range, Technical Pro's BLUEDECK Bluetooth® Audio Receiver is designed to fit in the tightest of spaces and built with the same long lasting design that you can expect from the engineers at Technical Pro.	1
Input Panel	Custom pannel	1

Tascam CD-RW900SX CD Recorder/Player	Tascam's CD-RW900SX is a professional CD recorder and player with powerful features that make it an ideal choice for final mastering, dubbing, and archiving audio. Digital and analog input trim afford precise control over critical front-end levels allowing you to avoid distortion. Four selectable track division functions and integrated sample rate conversion give you the versatility required for any studio application. The CD-RW900SX also functions as a commercial-grade CD player. Housed in a rack-ready and rugged enclosure with shockproof memory, the unit is well suited to music and dialog playback for industrial facilities, retail and business applications, house of worship, retail environments, and more. The CD-RW900SX was designed for constant use without fail. Get yours today and book those extra sessions!	1
Misc.		
Furman M-8S 15A Power Sequencer	From Furman, the Merit M-8S Power Sequencer is a cost-effective AC power solution for any rack mount system. Install an M-8S in your rack, eight outlets in the rear panel will power up in sequence and protect equipment up to a 15-amp load.	1
Middle Atlantic EWR-16-17 16SP Wall Mount Rack at 17" Depth		1
West Penn 25292B 500 500' 20AWG 2-Conductor Stranded Plenum Audio Cable	Indoor within ducts, plenums and other spaces used for environmental air for:	500ft

Gator GRW-DRW2 2RU, 14.2" Deep Lockable Rack Drawer	The Gator Cases Rackworks GRW-DRW2 is a 2RU lockable rack drawer with a 14.2" depth and features solid steel construction	1
Franklin pool		
Item	Description	Quantity
PA		
JBL Control 26CT 6.5" Coaxial Ceiling Speaker, 70 V / 100 V	A powerhouse ceiling speaker from JBL, the Control 26CT consists of a coaxially-mounted 6.5" woofer and ¾" titanium-coated tweeter, enabling it to deliver high sound-level over a wide coverage area, thanks to its high power handling, wide frequency response, and low distortion. JBL's exclusive SonicGuard overload protection allows higher operational levels and improved system reliability. It includes a multitap transformer for a 70 V or 100 V line distribution system, and comes packaged with grille, backcan and tile rails for quick installation.	26
Crown CDi 2000 2-Channel Power Amplifier	The CDi 2000 is a professional-grade power amplifier designed and built for installed sound applications. It's rugged and lightweight, with two channels, 800 W of stereo power at 4 Ω, and 70 V/140 V operation. The amplifier's intuitive front-panel LCD screen allows quick, easy configuration. Onboard DSP includes crossovers, EQ filters, delay, and output limiting, with up to 20 user-defined presets available.	1

System Processing		
DBX ZonePro 641m 6x4 Digital Zone Processor	With 6 inputs and 4 outputs the dbx ZonePRO® 641m provides flexible signal routing, powerful DSP processing and multiple control interfaces for commercial audio applications	1
DBX ZC-2 Zone Controller with Volume and Mute, for Driverack	The ZC-2 remote device provides computer programmable rotary potentiometer and push-button volume control and muting for the DriveRack 220i, 260, 4800/4820, and ZonePRO products. It's single gang in size and can be wall mounted up to 1000 feet away from your device, connected via Cat5 cable. It has DIP switches allowing identification with connection to the processing device.	7
Lowell D8P-ID-3 Decorator Rack Panel, 3 Rack Unit, 8 Devices	The D8P-ID-3 is a 19" (3U) steel rackmount panel with eight punched openings to hold up to eight (1-gang) Decora® style devices, and a PocketIDTM label area. The panel uses minimal rack space while providing an organized solution for mounting and identifying low-voltage devices in the front of the rack. It includes a rear lacing flange for wire management, hardware, and a mounted polycarbonate overlay with clear Pocket-IDTM area for labels. Smooth, semi-gloss, black epoxy finish. Order device controls and filler plates separately.	1
Other input Devices		



Shure SLXD24D/SM58 Dual Wireless System with 2 SLXD2/SM58	The SLXD24D/SM58 features two legendary SM58 cardioid dynamic microphone capsules on top of the SLXD2 handheld wireless transmitters.	1
Technical Pro BLUEDECK-2 Rackmount Bluetooth Audio Receiver	With its sleek design and incredible range, Technical Pro's BLUEDECK Bluetooth® Audio Receiver is designed to fit in the tightest of spaces and built with the same long lasting design that you can expect from the engineers at Technical Pro.	1
Input Panel	Custom pannel	1
Misc.		
Furman M-8S 15A Power Sequencer	From Furman, the Merit M-8S Power Sequencer is a cost-effective AC power solution for any rack mount system. Install an M-8S in your rack, eight outlets in the rear panel will power up in sequence and protect equipment up to a 15-amp load.	1
Middle Atlantic EWR-16-17 16SP Wall Mount Rack at 17" Depth		1
West Penn 25292B 500 500' 20AWG 2-Conductor Stranded Plenum Audio Cable	Indoor within ducts, plenums and other spaces used for environmental air for:	500ft
Stevenson Football Field		



Item	Description	Quantity
PA		
Biamp R1-94Z 12" 2-Way Horn-Loaded Speaker with 80x35 Dispersion, Weather Resistant, Gray	<p>The Community R1-94Z two-way full-range loudspeaker system is engineered to provide quality full-range sound projection in a variety of outdoor and indoor applications. Its wide range, smooth frequency response and high efficiency ensures both high fidelity music reproduction and superb projection of clear intelligible speech with very low distortion. The R1 loudspeakers are available in two versions. The standard version is weather-ready, with a WeatherStop™ grille and light grey finish. The BNG version, with black exterior and no grille, is more suitable for indoor applications. A weather-resistant mounting yoke is included.</p>	4
Biamp TRC400 Line Transformer for 70V, 100V and 140V, 400W	<p>The TRC400 is a 400 Watt line transformer used to step down the voltage and impedance of "constant voltage" audio distribution lines to the voltage level and impedance required by loudspeakers. It can also be used to step up the voltage of an amplifier to the voltage needed for a distribution line. The TRC400 has three output taps. The taps allow individual loudspeakers to be adjusted to operate at the same or different power levels compared to other loudspeakers in a system on the distribution line. The input taps on the TRC400 allow it to be used with 70V, 100V, and 140V distribution systems. The output taps of the TRC400 are designed to drive either 8 ohm or 4 ohm loudspeakers.</p>	4

<p>Crown CDi 4000 2-Channel Power Amplifier, 1200W at 4 Ohms, 70 / 140V</p>	<p>The CDi 4000 is a professional-grade power amplifier designed and built for installed sound applications. It's rugged and lightweight, with two channels, 1200 W of stereo power at 4 Ω, and 70 V/140 V operation. The unit's intuitive front-panel LCD screen allows quick, easy configuration. Onboard DSP includes crossovers, EQ filters, delay, and output limiting, with up to 20 user-defined presets available</p>	<p>2</p>
<p>Adaptive Technologies Group PM-24-6UP-G</p>	<p>The ATM Flyware PoleStar PM-24-6UP-G UniFrame is a complete mounting solution for outdoor loudspeakers. Its design combines the attributes of the PoleStar stainless "a-la-carte" version into just two models produced in steel and then galvanized to an outdoor weather rating.</p>	<p>4</p>
<p>System Processing</p>		
<p>DBX ZonePro 641m 6x4 Digital Zone Processor</p>	<p>With 6 inputs and 4 outputs the dbx ZonePRO® 641m provides flexible signal routing, powerful DSP processing and multiple control interfaces for commercial audio applications</p>	<p>1</p>
<p>DBX ZC-2 Zone Controller with Volume and Mute, for Driverack</p>	<p>The ZC-2 remote device provides computer programmable rotary potentiometer and push-button volume control and muting for the DriveRack 220i, 260, 4800/4820, and ZonePRO products. It's single gang in size and can be wall mounted up to 1000 feet away from your device, connected via Cat5 cable. It has DIP switches allowing</p>	<p>6</p>

	identification with connection to the processing device.	
Lowell D8P-ID-3 Decorator Rack Panel, 3 Rack Unit, 8 Devices	The D8P-ID-3 is a 19" (3U) steel rackmount panel with eight punched openings to hold up to eight (1-gang) Decora® style devices, and a PocketIDTM label area. The panel uses minimal rack space while providing an organized solution for mounting and identifying low-voltage devices in the front of the rack. It includes a rear lacing flange for wire management, hardware, and a mounted polycarbonate overlay with clear Pocket-IDTM area for labels. Smooth, semi-gloss, black epoxy finish. Order device controls and filler plates separately.	1
Other input Devices		
Shure SLXD24D/SM58 Dual Wireless System with 2 SLXD2/SM58	The SLXD24D/SM58 features two legendary SM58 cardioid dynamic microphone capsules on top of the SLXD2 handheld wireless transmitters.	1
Technical Pro BLUEDECK-2 Rackmount Bluetooth Audio Receiver	With its sleek design and incredible range, Technical Pro's BLUEDECK Bluetooth® Audio Receiver is designed to fit in the tightest of spaces and built with the same long lasting design that you can expect from the engineers at Technical Pro.	1
Input Panel	Custom pannel	1

<p>Shure MX412D/C Cardioid Gooseneck Mic with Desktop Base</p>	<p>The MX412D/C from Shure is a 12" Microflex Gooseneck Condenser Microphone with cardioid polar pattern and base for desktop use. It features an attached XLR preamp, shock and flange mount, and snap-fit foam windscreen. Shure Microflex® Standard Gooseneck microphones bring a whole new meaning to the word flexible with a fully adjustable gooseneck. Designed for easy replacement and available in cardioid, supercardioid and omnidirectional polar patterns, the interchangeable cartridges offer wide frequency response and accurate sound reproduction for a wide variety of applications, such as houses of worship, courtrooms and conference centers. Plus, the condenser cartridges fit every model in the Microflex product line for enhanced convenience and consistent sound.</p>	<p>1</p>
<p>Misc.</p>		
<p>Furman M-8S 15A Power Sequencer</p>	<p>From Furman, the Merit M-8S Power Sequencer is a cost-effective AC power solution for any rack mount system. Install an M-8S in your rack, eight outlets in the rear panel will power up in sequence and protect equipment up to a 15-amp load.</p>	<p>1</p>
<p>Middle Atlantic EWR-12-17 12SP Wall Mount Rack at 17" Depth</p>	<p>The Middle Atlantic Products EWR-12-17 is an economical solution for smaller systems, this pivoting, sectional wall cabinet provides unparalleled quality at an aggressive price and is ideal for use in both secured and unsecured areas.</p>	<p>1</p>
<p>10-2 SJOOW cable</p>		<p>1000ft</p>



Wireless Audio Transmission system		
Shure SBC-DC DC Volt Adapter	DC volt adapter connects a PS43 Power Supply to an SB900B-compatible bodypack.	1
Shure P9TRA+425CL In-Ear Wireless System	PSM®900 Personal Monitor Systems offer superb audio quality, robust RF performance, and category-leading features, including CueMode, which allows the monitoring of different mixes with the touch of a button. Precision front-end RF filtering significantly reduces dropouts, and the enhanced digital stereo encoder provides excellent stereo separation and audio clarity.	1
Shure PS43US Replacement 15 V In-Line Power Supply	Shure's PS43US is a 15 VDC replacement in-line power supply designed for use with various Shure wireless receivers. It adheres to energy-efficient power standards and features 2 onboard mounting tabs for easy installation.	1
Shure PA805SWB Directional Antenna	The Shure PA805SWB is a directional antenna designed for use with Shure's PSM Wireless systems and offers increased range and reduced interference as compared to omnidirectional 1/2-wave antennas. The PA805SWB can be mounted on a microphone stand or mounted to a wall using the integral swivel adapter bracket. This wide-band antenna operates in the 470 MHz - 952 MHz frequency range and ships with a 10-foot 50-Ohm BNC cable.	1

Lectrosonics 21770 Male SMA to Female BNC Coaxial Adapter for Antennas	The Lectrosonics 21770 is a male SMA to female BNC coaxial adapter. It adapts antennas with male BNC connectors to SMA jacks.	1
One For All 17421	Amplified outdoor Antenna w/ mount	1
plastic antenna cover for shure PA805S		
Concessions Stand		
JBL Control 28-1 8" 2-Way Indoor/Outdoor Install Speaker	The JBL® Control® 28-1 is an 8" 2-way indoor/outdoor speaker that offers wide and consistent coverage, rich sonic character, versatile mounting options, and a modern design that will fit with a wide range of decors. This speaker is an excellent choice for many different applications—just take a look at the "Applications" section below	1
JBL MTC-28UB-1 U-Bracket	JBL's MTC-28UB-1 U-bracket mounts JBL Control 28-1 or Control 28-1L surface-mount loudspeakers to walls, decks, and ceilings while providing swiveling capability. Available in Black or White.	1
Crown CDi 1000 2-Channel Power Amplifier	The CDi 1000 is a professional-grade power amplifier designed and built for installed sound applications. It's rugged and lightweight, with two channels, 500 W of stereo power at four ohms, and 70 V/140 V operation. The CDi 1000's intuitive front-panel LCD screen allows quick, easy configuration. Onboard DSP	1



	includes crossovers, EQ filters, delay, and output limiting, with up to 20 user-defined presets available.	
Middle Atlantic HPM-4-915 4SP HPM Series Rack with 9-15" Adjustable Depth	Middle Atlantic's HPM-4-915 Hinged Panel Mount provides simple and straightforward wall mounting of components and can also be rackmounted to any 19" open frame rack. The hinges open to provide rear access to mounted components. Rack screws and hook and loop fasteners are included.	1
Furman M-8X2 15A Power Conditioner with 8 Outlets	From Furman, the M-8X2 Merit Series Power Conditioner is a cost effective AC power solution for any rack mount system. Install an M-8x2 in to the top slot of your rack, eight rear panel switched outlets will power up and protect all your equipment up to a 15-amp load. Designed for applications where lights are not required, this unit is ideal for instrument rigs, DJ equipment, recording, and pro audio.	1
Stevenson Gym		
Item	Description	Quantity
PA		
JBL AWC129 12" 2-Way All-Weather Coaxial Speaker	The AWC129 is a compact, coaxial-driver, 2-way, highly weather-resistant full-range loudspeaker system from JBL which is ideal for speech and music in a wide variety of applications. It consists of a high-power coaxial 12" (300mm) low-frequency (LF) driver	8

	and 1" (25mm) high-frequency (HF) compression driver. It comes in your choice of Black or Light Gray.	
JBL AWC159 15" All Weather Compact Coaxial Speaker	The JBL AWC159 is a compact, coaxial-driver, 2-way, highly weather-resistant full-range loudspeaker system which is ideal for speech and music in a wide variety of applications, including sports facilities, racetracks, stadiums, fairgrounds, rodeos, skating rinks, themed entertainment venues, cruise ships, water parks, outdoor background music/paging systems, swimming pools, and a wide variety of other outdoor or indoor venue types.	2
Crown CDi 1000 2-Channel Power Amplifier, 500W at 4 Ohms, 70V/140V	The CDi 1000 is a professional-grade power amplifier designed and built for installed sound applications. It's rugged and lightweight, with two channels, 500 W of stereo power at four ohms, and 70 V/140 V operation. The CDi 1000's intuitive front-panel LCD screen allows quick, easy configuration. Onboard DSP includes crossovers, EQ filters, delay, and output limiting, with up to 20 user-defined presets available.	1
Crown CDi 4000 2-Channel Power Amplifier, 1200W	The CDi 4000 is a professional-grade power amplifier designed and built for installed sound applications. It's rugged and lightweight, with two channels, 1200 W of stereo power at 4 Ω, and 70 V/140 V operation. The unit's intuitive front-panel LCD screen allows quick, easy configuration. Onboard DSP includes crossovers, EQ filters, delay, and output limiting, with up to 20 user-defined presets available.	1

System Processing		
DBX ZonePro 641m 6x4 Digital Zone Processor	With 6 inputs and 4 outputs the dbx ZonePRO® 641m provides flexible signal routing, powerful DSP processing and multiple control interfaces for commercial audio applications	1
DBX ZC-2 Zone Controller with Volume and Mute, for Driverack	The ZC-2 remote device provides computer programmable rotary potentiometer and push-button volume control and muting for the DriveRack 220i, 260, 4800/4820, and ZonePRO products. It's single gang in size and can be wall mounted up to 1000 feet away from your device, connected via Cat5 cable. It has DIP switches allowing identification with connection to the processing device.	7
Lowell D8P-ID-3 Decorator Rack Panel, 3 Rack Unit, 8 Devices	The D8P-ID-3 is a 19" (3U) steel rackmount panel with eight punched openings to hold up to eight (1-gang) Decora® style devices, and a PocketIDTM label area. The panel uses minimal rack space while providing an organized solution for mounting and identifying low-voltage devices in the front of the rack. It includes a rear lacing flange for wire management, hardware, and a mounted polycarbonate overlay with clear Pocket-IDTM area for labels. Smooth, semi-gloss, black epoxy finish. Order device controls and filler plates separately.	1
Other input Devices		



Shure SLXD24D/SM58 Dual Wireless System with 2 SLXD2/SM58	The SLXD24D/SM58 features two legendary SM58 cardioid dynamic microphone capsules on top of the SLXD2 handheld wireless transmitters.	1
Technical Pro BLUEDECK-2 Rackmount Bluetooth Audio Receiver	With its sleek design and incredible range, Technical Pro's BLUEDECK Bluetooth® Audio Receiver is designed to fit in the tightest of spaces and built with the same long lasting design that you can expect from the engineers at Technical Pro.	1
Input Panel	Custom pannel	1
Misc.		
Furman M-8S 15A Power Sequencer	From Furman, the Merit M-8S Power Sequencer is a cost-effective AC power solution for any rack mount system. Install an M-8S in your rack, eight outlets in the rear panel will power up in sequence and protect equipment up to a 15-amp load.	1
Middle Atlantic EWR-16-17 16SP Wall Mount Rack at 17" Depth		1
West Penn 25292B 500 500' 20AWG 2-Conductor Stranded Plenum Audio Cable	Indoor within ducts, plenums and other spaces used for environmental air for:	500ft
Gator GRW-DRW2 2RU, 14.2" Deep Lockable Rack Drawer	The Gator Cases Rackworks GRW-DRW2 is a 2RU lockable rack drawer with a 14.2" depth and features solid steel construction	1



Stevenson Pool		
Item	Description	Quantity
PA		
JBL Control 26CT 6.5" Coaxial Ceiling Speaker, 70 V / 100 V	A powerhouse ceiling speaker from JBL, the Control 26CT consists of a coaxially-mounted 6.5" woofer and ¾" titanium-coated tweeter, enabling it to deliver high sound-level over a wide coverage area, thanks to its high power handling, wide frequency response, and low distortion. JBL's exclusive SonicGuard overload protection allows higher operational levels and improved system reliability. It includes a multitap transformer for a 70 V or 100 V line distribution system, and comes packaged with grille, backcan and tile rails for quick installation.	26
Crown CDi 2000 2-Channel Power Amplifier	The CDi 2000 is a professional-grade power amplifier designed and built for installed sound applications. It's rugged and lightweight, with two channels, 800 W of stereo power at 4 Ω, and 70 V/140 V operation. The amplifier's intuitive front-panel LCD screen allows quick, easy configuration. Onboard DSP includes crossovers, EQ filters, delay, and output limiting, with up to 20 user-defined presets available.	1



System Processing		
DBX ZonePro 641m 6x4 Digital Zone Processor	With 6 inputs and 4 outputs the dbx ZonePRO® 641m provides flexible signal routing, powerful DSP processing and multiple control interfaces for commercial audio applications	1
DBX ZC-2 Zone Controller with Volume and Mute, for Driverack	The ZC-2 remote device provides computer programmable rotary potentiometer and push-button volume control and muting for the DriveRack 220i, 260, 4800/4820, and ZonePRO products. It's single gang in size and can be wall mounted up to 1000 feet away from your device, connected via Cat5 cable. It has DIP switches allowing identification with connection to the processing device.	7
Lowell D8P-ID-3 Decorator Rack Panel, 3 Rack Unit, 8 Devices	The D8P-ID-3 is a 19" (3U) steel rackmount panel with eight punched openings to hold up to eight (1-gang) Decora® style devices, and a PocketIDTM label area. The panel uses minimal rack space while providing an organized solution for mounting and identifying low-voltage devices in the front of the rack. It includes a rear lacing flange for wire management, hardware, and a mounted polycarbonate overlay with clear Pocket-IDTM area for labels. Smooth, semi-gloss, black epoxy finish. Order device controls and filler plates separately.	1
Other input Devices		



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Middle Atlantic EWR-16-17 16SP Wall Mount Rack at 17" Depth		1
West Penn 25292B 500 500' 20AWG 2-Conductor Stranded Plenum Audio Cable	Indoor within ducts, plenums and other spaces used for environmental air for:	500ft




Livonia Public Schools

Human Resources

Date: June 13, 2025

To: Andrea Oquist
Superintendent

From: Jennifer Keatts, Director of Human Resources
Anthony Abbate, Director of Human Resources 

Re: Committee of the Whole Agenda

Please add to the Committee of the Whole agenda on June 16, 2025, the Authorization to Accept Resignations.




Livonia Public Schools

Human Resources

Date: June 13, 2025

To: Andrea Oquist
Superintendent

From: Jennifer Keatts, Director of Human Resources
Anthony Abbate, Director of Human Resources 

Re: Committee of the Whole Agenda

Please add to the Committee of the Whole agenda on June 16, 2025, the Teacher Recall Authorization.