



35100 Little Mack – Clinton Township, Michigan 48035 586.791.6300 – www.clintondaleschools.net

PUBLIC NOTICE OF MEETING

**THE CLINTONDALE COMMUNITY SCHOOLS BOARD OF EDUCATION WILL
CONVENE IN A REGULAR BOARD MEETING on:**

Monday, April 22, 2024, at 6:30pm

**35200 Little Mack, Clinton Township, MI 48035
High School Conference Center**

“The Clintondale Community Schools, upon at least three (3) hours prior notice of a given Board meeting, will provide necessary and reasonable auxiliary aids and services, such as signers for hearing-impaired persons and audiotapes of printed materials for visually-impaired persons, at the commencement of that meeting. Disabled persons requiring such auxiliary aids or services must notify the District by contacting Richard Lerman, Director of Technology, by one of the following methods: 35100 Little Mack Avenue, Clinton Township, Michigan 48035, email:lermanr@clintondaleschools.net or call 586-791-6300, extension 1023.”

If you should have any questions or if you plan to bring a group of people to the meeting, please call the Board of Education at (586) 791-6300.

**Mr. Jared Maynard
President, Board of Education**

Proposed minutes of the above meeting will be available for public inspection during regular business hours, at 35100 Little Mack, Clinton Township, MI and online not more than eight business days after said meeting, and approved minutes of said meeting will be available for public inspection during regular business hours, at the same location, not more than five business days after the meeting at which they are approved. Copies of the minutes shall also be available at the reasonable estimated cost of printing and copying.

This Notice is given in compliance with Act. No. 267 of the Public Acts of Michigan, 1976.

District Policy requires nondiscrimination on the basis of race, color, religion, national origin or ancestry, age, sex, marital status, English Proficiency, handicap, or disability, height or weight; in its programs, services, activities, employment, or admissions policies. The following persons have been designated to handle complaints, questions, etc.: Heather Halpin, The Age Act, Title VI, Title IX, 35100 Little Mack Clinton Township, MI (586)791-6300; Mr. Kenneth Janczarek, Title II and Section 504, 35200 Little Mack, Clinton Township, MI (586) 791-6300.



Clintondale Community Schools Board Agenda
35200 Little Mack - Clinton Township, MI 48035
High School Conference Center
April 22, 2024 6:30 p.m.
Regular Board Meeting

Call Regular Board Meeting to Order – 6:30 p.m. Regular Board Meeting began at: _____

ROLL CALL

Jared Maynard
Felicia Kaminski

Barry Powers
Diane Zontini

Lisa Valerio-Nowc
Michael Manning

Wilbur Jones

ALSO IN ATTENDANCE

PLEDGE OF ALLEGIANCE

AGENDA- It is recommended by the Superintendent and the Board President, that the Board approve the agenda as submitted or amended.

Motion by _____ Support by _____ Y _____ N _____ Ab _____

APPROVAL OF THE MINUTES- It is recommended by the Superintendent and the Board President, that the Board approve the Regular Meeting Minutes- April 8, 2024.

Motion by _____ Support by _____ Y _____ N _____ Ab _____

CORRESPONDENCE - It is recommended by the Superintendent and the Board President, that the Board acknowledge the correspondence and receive them.

Tressa Pettit
Saska Catenacci
David Taylor

Motion by _____ Support by _____ Y _____ N _____ Ab _____

SUPERINTENDENT'S REPORT

Town Hall

PRESENTATION-

Meloney Cargill and Kim Spriggs- CTE
Bob Walmsley- Athletic Awards

PUBLIC COMMENT REGARDING BUSINESS BEFORE THE BOARD

We encourage you to voice your opinion on topics on the agenda. Please stand and be recognized by the Chairperson, and state your name and address before commenting. To provide the opportunity for all to participate, board policy limits each individual to three minutes. To ensure due process and respect of individual rights, the District maintains a formal process for handling complaints against individuals. A problem involving an individual(s) or specific incident is best handled through administrative channels. Speakers are asked to express themselves in a civil manner, with due respect for the dignity and privacy of others who may be affected by your comments, speakers should be aware that if your statements violate the rights of others under the law of defamation or invasion of privacy, you may be held legally responsible. _____



Clintondale Community Schools Board Agenda
35200 Little Mack - Clinton Township, MI 48035
High School Conference Center
April 8, 2024 6:30 p.m.
Regular Board Meeting Minutes

Call Regular Board Meeting to Order – 6:30 p.m.

ROLL CALL

Jared Maynard	Barry Powers (excused)	Lisa Valerio-Nowc	Wilbur Jones
Felicia Kaminski	Diane Zontini	Michael Manning (excused)	

ALSO IN ATTENDANCE

Kenneth Janczarek- Superintendent	Lee Walmsley- Director of Human Resources
Teresa Wilson- Executive Assistant	Kurt Violet- Student Ambassador
Heather Halpin- Director of Curriculum	Abriana Guzman- Student Ambassador
Bob Walmsley- Director of Athletics	
Melissa Klopinski- Child Care Director	

PLEDGE OF ALLEGIANCE

AGENDA- Motion by Ms. Kaminski, Support by Ms. Zontini, that the Board approve the agenda as submitted or amended. Motion Carried 5-0.

APPROVAL OF THE MINUTES- Motion by Ms. Kaminski, Support by Mr. Jones, that the Board approve: Motion Carried 5-0.

Regular Board Meeting Minutes- March 18, 2024.
Policy Committee Minutes- March 6, 2024

CORRESPONDENCE - Motion by Ms. Kaminski, Support by Ms. Zontini, that the Board acknowledge the correspondence and receive them. Motion Carried 5-0.

SUPERINTENDENT'S REPORT

STUDENT REPRESENTATIVE REPORT

PRESENTATION

Terry Martin- Reading Interventionist
Lisa Valerio-Nowc- Clintondale Coalition

PUBLIC COMMENT REGARDING BUSINESS BEFORE THE BOARD

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Regular Meeting – April 8, 2024

Page #2

CONSENT ITEMS- #1-2

Motion by Ms. Kaminski, Support by Mr. Jones, that the Board accept the Consent Items as presented. Motion Carried 5-0.

NON-CONSENT ITEMS- #1-4

1. **Resignation** - Motion by Ms. Kaminski, Support by Ms. Zontini that the Board approve the resignation of **Lauria Kania**, Teacher, effective August 28, 2024, per her email dated February 14, 2024. Motion Carried 5-0.

2. **Resignation** - Motion by Ms. Kaminski, Support by Ms. Zontini that the Board approve the resignation of **Dawn Maas**, Teacher, effective June 30, 2024, per her email dated February 13, 2024. Motion Carried 5-0.

3. **Resignation** - Motion by Ms. Kaminski, Support by Mr. Jones that the Board approve the resignation of **Valerie Zabel**, Teacher, effective June 14, 2024, per her email dated February 21, 2024. Motion Carried 5-0.

4. **Resignation** - Motion by Ms. Kaminski, Support by Ms. Zontini that the Board approve the resignation of **Alice Franke**, Teacher, effective at the end of the day March 22, 2024, per her email dated April 1, 2024. Motion Carried 5-0.

GENERAL PUBLIC COMMENT ON ITEMS NOT ON THE AGENDA

We encourage you to voice your opinion on topics not on the agenda. Please stand and be recognized by the Chairperson, and state your name and address before commenting. To provide the opportunity for all to participate, board policy limits each individual to three minutes. To ensure due process and respect of individual rights, the District maintains a formal process for handling complaints against individuals. A problem involving an individual(s) or specific incident is best handled through administrative channels. Speakers are asked to express themselves in a civil manner, with due respect for the dignity and privacy of others who may be affected by your comments, speakers should be aware that if your statements violate the rights of others under the law of defamation or invasion of privacy, you may be held legally responsible. **None**

APPROVAL OF BILLS - Motion by Ms. Kaminski, Support by Ms. Zontini, that the Board approve the bills ending Mar 28, 2024. Motion Carried 5-0.

ADJOURNMENT - Motion by Ms. Kaminski, Support by Mr. Jones, that the Board of Education meeting adjourn at 7:42pm. Motion Carried 5-0.

Lisa Valerio-Nowc, Secretary



April 23, 2024 - Regular Meeting of the Board of Education

CONSENT ITEMS - #1-3

1. **Resignation** - It is recommended by the Superintendent and the Director of Human Resources that the Board approve the resignation of **Tressa Pettit**, former Cafeteria Head Cook, effective immediately, per her letter dated April 12, 2024.

NOTE: Mrs. Pettit has worked for the district for 16 days, prior to the district outsourcing Food Services to a Third Party Vendor.

2. **Resignation** - It is recommended by the Superintendent and the Director of Human Resources that the Board approve the resignation of **Saska Catenacci**, Secretary I, Athletics/Attendance, effective at the end of the day April 12, 2024, per her email dated April 12, 2024.

NOTE: Mrs. Catenacci has worked for the district for 17.5 months.

3. **Secretary I - Re-Hire** - It is recommended by the Superintendent and the Director of Human Resources that the Board approve the re-hire of **Carol Hyso**, Secretary I- High School Attendance/Athletics, effective May 7, 2024 through June 30, 2024, at a rate of pay of \$22.94 per hour.

NOTE: This hire is due to the resignation of Saska Catenucci. Mrs. Hyso held this position at the time of her initial retirement from the district; therefore she is familiar with the responsibilities of this position.

NON-CONSENT ITEM - #1

1. **Resignation** - It is recommended by the Superintendent and the Director of Human Resources that the Board approve the resignation of **David Taylor**, Teacher, effective immediately, per his letter dated April 16, 2024.

NOTE: Mr. Taylor has worked for the district for 2.5 months.

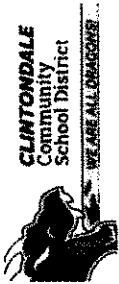
4-12-24

I am writing this letter to
inform you of my resignation
as head cook at Clintondale
Community Schools.

Sincerely

Tressa Pettit

10/17/00 -
6/30/16



Friday, April 12, 2024

1 message



Wed, Apr 10, 2024 at 9:09 AM

good morning Mrs. Walmsley,

With great sadness, my last will be April 12th, 2024

It was an honor to work with you - thank you for everything

Saska Catenacci

Secretary - Athletic Director

Secretary - Assistant Principal

catenaccis@clintondaleschools.net

586-791-6300 X 2621

2:55

◀ Gmail



5G+

EDIT

April 17, 2024

Please accept my letter of resignation effective end of school day May, 31st, 2024.

Kind Regards

Dave Taylor

21 words

DISTRICT REPORTS- #1-2

1. It is recommended by the Superintendent and the Board President, that the Board approve the Department Reports.

Motion by _____ Support by _____ Y _____ N _____ Ab _____

Department Reports

- Finance
- Buildings and Grounds
- Athletics
- Human Resources Report
- Curriculum
- Community Relations
- Special Education
- Technology

2. It is recommended by the Superintendent and the Board President, that the Board approve the Building Reports.

Motion by _____ Support by _____ Y _____ N _____ Ab _____

Building Reports

- McGlennen
- Parker
- Rainbow
- Middle School
- High School
- I-Campus

CONSENT ITEMS – #1-3

1. **Resignation** - It is recommended by the Superintendent and the Director of Human Resources that the Board approve the resignation of Tressa Pettit, former Cafeteria Head Cook, effective immediately, per her letter dated April 12, 2024.

NOTE: Mrs. Pettit has worked for the district for 16 days, prior to the district outsourcing Food Services to a Third Party Vendor.

2. **Resignation** - It is recommended by the Superintendent and the Director of Human Resources that the Board approve the resignation of Saskia Catenacci, Secretary I, Athletics/Attendance, effective at the end of the day April 12, 2024, per her email dated April 12, 2024.

NOTE: Mrs. Catenacci has worked for the district for 17.5 months.

3. **Secretary I - Re-Hire** - It is recommended by the Superintendent and the Director of Human Resources that the Board approve the re-hire of Carol Hyso, Secretary I- High School Attendance/Athletics, effective May 7, 2024 through June 30, 2024, at a rate of pay of \$22.94 per hour.

NOTE: This hire is due to the resignation of Saskia Catenucci. Mrs. Hyso held this position at the time of her initial retirement from the district; therefore she is familiar with the responsibilities of this position.

END OF CONSENT ITEM- Please ask if any Board Member would like to isolate and item.

Motion by _____ Support by _____ Y _____ N _____ Ab _____



April 22, 2024

Board of Education

Department Reports





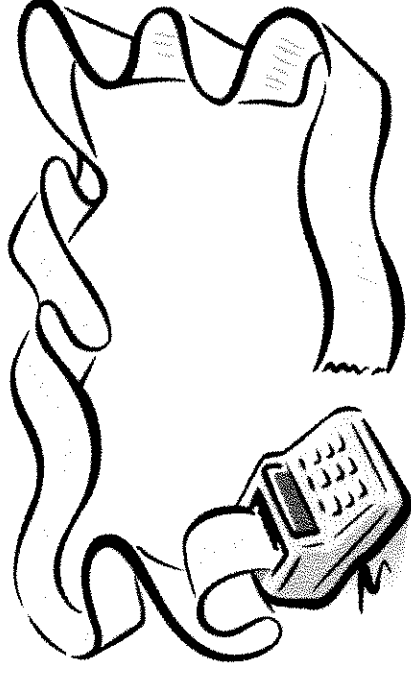
Business Office - Edward Makinen

This Month

- Sinking Fund Preparations
- Rainbow Moving Logistics
- Grant applications and follow-ups
 - ESSER III Allocations & Draw-Down
 - Safety Grants: PA System & Keyfob
 - Title Grants
- MSBO Conference
- Food Service Finalization
- Audit Bid

Next Month

- Special Election, May 7th
- More Rainbow Moving Logistics
- More Grant Applications, FY25
- Tax Forms, Bond Payments, & Audit Planning





Building and Grounds - Laura Lawniczak

This Month

Library Roof Restoration
Bids are due for Card Access
Calcium Cutting
District Wide Transportation
End of Year Event Planning



Next Month

Scheduling the following:

Boiler Inspections
Fire Alarm Pull Stations
Fire Alarm Fire Extinguisher Inspection
Fire Suppression Inspections
Grease Trap Inspections
Backflow Preventer Inspections
Installing Card Access



Athletics - Bob Walmsley



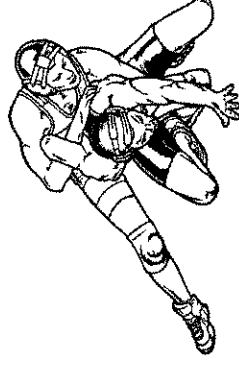
This Month

- Spring sports are in full swing and have started very well.
- Mother Nature is undefeated and so is:
- Varsity Baseball, 2-0.
- Varsity Softball, 2-0.
- Varsity Boys Track, 2-0.
- Varsity Girls Track, 2-0.
- Middle School Boys & Girls Track have their first meet on April 22.
- Middle School Baseball and Softball have their first games on April 23.
- Football Coaches, Basketball Coaches and the Wrestling Club have been working in the weight room with our athletes Monday through Thursday after spring practices.

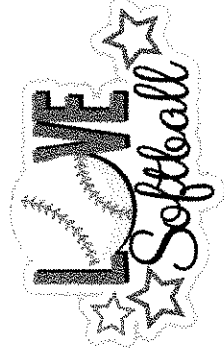


Next Month

- Little League Opening Day is May 4 at 10 AM at McGlennen.
- Install wrestling room pads.
- Track repairs completed.
- Batting cages repaired.
- Prepare fields for press box projects.
- Work with Nurse Ben to get physicals done for Fall Sport Athletes.
- Competing for League Titles in Spring Sports.



WRESTLING





Human Resources - Lee Walmsley

This Month

Working on grievance responses

Working with Heather Halpin on 24-25 teacher placements

Working with Ed Makinen on Rainbow move to McGlennen

Planning an online job fair to be held in May

Finalized the Michigan Student Loan Repayment Plan for CEA members-Letter of Agreement signed with CEA

Next Month

Securing temporary and permanent teaching assignments for the 2024-25 school year

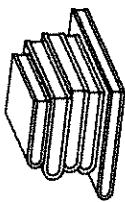
Bid meeting for all Instructional Assistants due to Rainbow/McGlennen merger

Uploading Professional Development and Teacher Effectiveness ratings into MOECS/REP





Curriculum and Instruction - Heather Halpin



This Month:

- Completing Action Research Project on Chronic Absenteeism in CCS (Horizon Leadership Academy).
- Wrapping up [Cognia Accreditation](#) and Preparing for the final review in May.
- Planning for [Summer School 2024](#).
- [Summer School 2024 Registration Link](#)
- Working with Summer School principals for planning for staffing.

Next Month:

- [Cognia Review](#) for CCS Accreditation on 5/15/24 with evaluator Beth Brophy.
- Sending out Summer School assignments in early May.
- Completing the [Horizon Leadership Academy Central Office Endorsement](#) program with the Michigan Association of Superintendent Administrators (MASA)



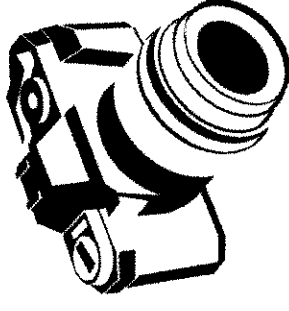
Community Relations-Alexandra Hichel

This Month

- C&G News article on student reps on BOE.
- Macomb Daily & C&G article on Wilbur Jones
- Google Analytics set up & working on website
- Paid ad for kindergarten round up drove 30 clicks to website and reached 1,000 people
- Sinking fund web page updated
- Promotion and collateral materials for GSRP & Kindergarten Round Up in May.

Next Month

- Working with High School for video to show 8th graders
- Video story on C2 Pipeline project (McGlennen Bleachers)
- Social media coverage of end of year activities
- Finals site website training to better utilize functionality





Special Services - Deborah Perry

This Month:

- Con't - Catamaran - Complaint & Corrections - High Priority! Meet with RAP Team and MDE Consultant, Kelly Kendrick & MISD Consultant, Donna Tinberg, bi-weekly.
- Administrators (superintendent, chief academic officer, principals, & assistant principals) special ed teachers, and related service providers will Take the Michigan Virtual course titled "IEP Boot Camp: Writing Meaningful and Compliant IEPs," by due date 4/24/2024.
- Provide PD on 4/26/2024 relative to procedures for Shortened School Day to administrators, special ed teachers, related service providers administrators, special ed teachers, and related service providers. MISD will facilitate the PD updating staff on highlighted best practices subjects.
- Sp.Ed. staff wrapping up IEPs.; Psychs wrapping up Testing & ReEvaluations
- Con't - SpEd. Depart. Small team group meetings to focus on completing modified policy and procedures to have in place before Fall, 2024.
- The SpEd. department secretary JoAnn will receive support from Admin. Secretary, Sarah to arrange and organize a new filing system to store all confidential documents.

Next Month:

- FINALIZE - Catamaran - Complaint & Corrections - High Priority! Meet with RAP Team and MDE Consultant, Kelly Kendrick & MISD Consultant, Donna Tinberg, bi-weekly.
- SpEd. Depart. Small team leaders group meeting to focus on completing the modified policy and procedures to have in place before Fall, 2024.
- Distribute to SpEd staff the final monthly notes (FYI) to communicate with ALL SpEd. staff Best Practices moving into the 2024-2025 school and provide a check-off list of EOY items to be completed upon closing out the 2023-2024 school year.



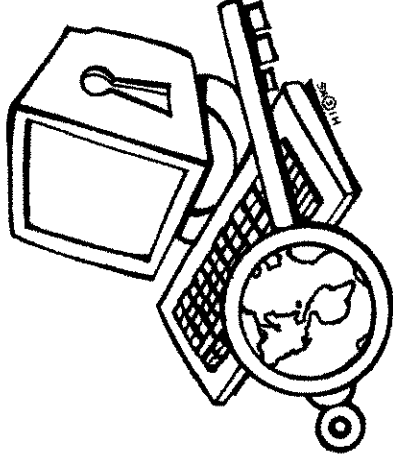
Technology - Richard Lerman

This Month

- High School Tech Fee Audit
- Asset inventory and distribution of 420 headphones for testing
- Providing tech support for testing
- Pre-bid meeting, bid analysis, and reward bid for new PA system

Next Month

- Asset inventory and setup of 33 Juno classroom speaker systems
- Start new PA systems project
- Waiting for the FCC to release our E-Rate funds so we can start the network upgrade project that was approved in March





January 22, 2024

Board of Education

Building Reports

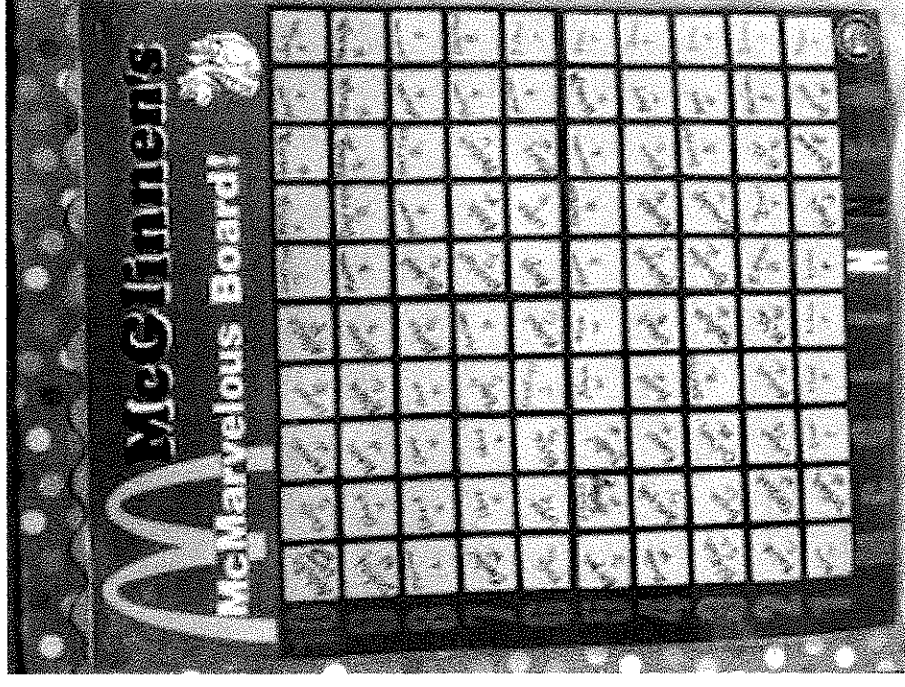




McGlennen Elementary - Shauna Hemler

This Month - April

- McGlennen April Newsletter
- McGlennen McMarvelous Board
 - Students get a ticket for meeting a classroom goal set by the teacher
 - Come to the office with ticket, pick a square, add name
 - When the board is filled, a winner is selected and treated to McDonald's lunch





Parker Elementary - Rashida Shack

This Month:

Focus on Improving Behavior

- Restorative Conversations
- Parker Creed
- PBIS (School Store, Monthly School Wide Events
- Breakfast with Principal for Student of the Month

Academics

M STEP Testing 3-5th grades

Next Month:

- NWEA Testing K-5
- Teachers Appreciation Week
- School Dance : May 23rd
- Sneakerball





Rainbow Elementary - Cara Cottrell

April/May

- Rainbow News Link

<https://www.youtube.com/channel/UCtGDYXrThVP8W8XgLCk5IEg>

- M-Step Masterminds
- Book Clubs
- Math Coaching
- Rainbow Clubs
- PBIS events/ Assemblies
- Smoots Recruits



Clintondale Middle School - Maria Romain

This Month

- Grade Level Monthly Assembly - 4/1 (School Safety & Prevention)
- School-Wide "After" Easter Egg Hunt -
- Student Council
- PSAT 8 Testing
- M-STEP Testing
- 6th Grade Left Center Right PBIS Event
- Parent Meetings
- Peer Mediation
- 5th Grade Visit Planning
- Monthly Spirit Week



Next Month

- Student of the Month
- Monthly Spirit Week
- Spring NWEA Testing
- 5th Grade Visits
- NJHS Induction



National Junior Honor Society

Annual Certificate of Affiliation

This certificate is presented to

Clintondale Middle School

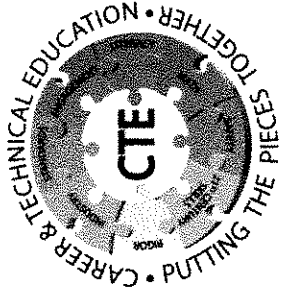
*for recognizing and promoting the important qualities
of scholarship, leadership, service, character, and citizenship
in students by maintaining an active chapter of
the National Junior Honor Society.*

*Effective through
June 30, 2024*

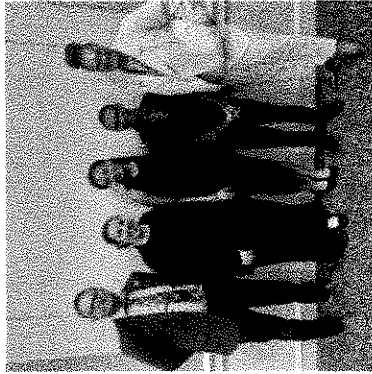


Clinton Dale High School - Meloney Cargill

This Month

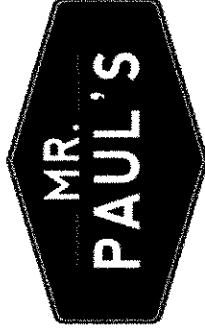


Board Presentation on changes and improvements to CTE Program.

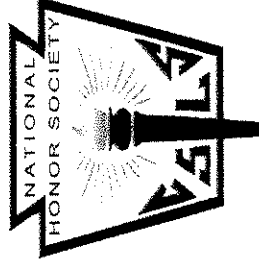


Congratulations to Lazarius Abner for being a Macomb County All-Academic Team Honoree and Kamaria Green for being the top winner of the MAC Principals Scholarship.

Next Month

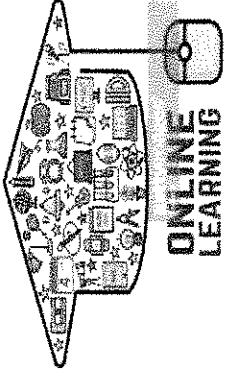


- Senior Breakfast
- Senior Parent Meeting
- NHS Induction Ceremony
- Senior Decision Day
- Culinary Trip to Mr. Paul's Chop House
- Door Decorating
- Winners Field Trip to AA Museum





iCampus - Dawn Sanchez

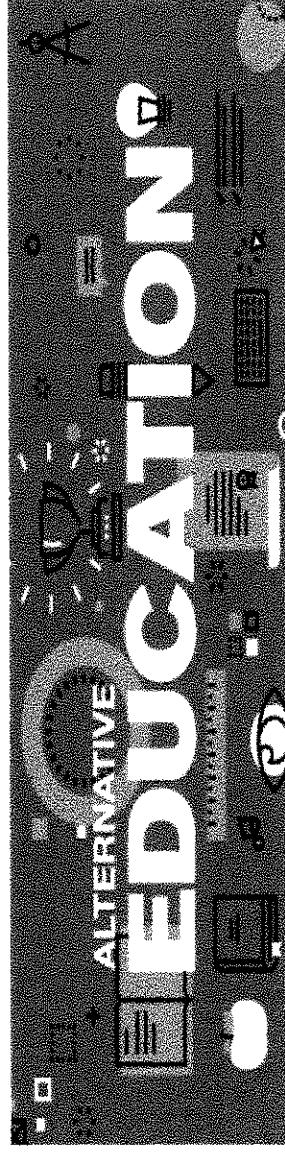


This Month

- ❖ SAT testing grade 11
- ❖ Workkeys testing grade 11
- ❖ PSAT 8/9 and 10 testing
- ❖ M STEP testing grades 6 - 11
- ❖ Graduation Preparation and review of EDP's
- ❖ Letter to Parents: cap and gown information
- ❖ Continued work with students and families

Next Month

- ❖ Make up testing for M STEP all grades
- ❖ Virtual Parent Meeting
- ❖ Review grades in PowerSchool to prepare for printing report cards in June
- ❖ Send out Summer School Credit Recovery Letters
- ❖ Prepare Staff for Summer School
- ❖ Continued work with students and families



NON-CONSENT ITEMS #1-4

1. **Resignation** - It is recommended by the Superintendent and the Director of Human Resources that the Board approve the resignation of **David Taylor**, Teacher, effective immediately, per his letter dated April 16, 2024.

NOTE: Mr. Taylor has worked for the district for 2.5 months.

Motion by _____ Support by _____ Y _____ N _____ Ab _____

2. **Public Announcement System Bid** - It is recommended by the Superintendent, Chief Financial Officer and Director of Technology, that the Board award the bid for the District Public Announcement System to Division 27 in the amount of \$199,924.35.

Motion by _____ Support by _____ Y _____ N _____ Ab _____

3. **Closed Session-** It is recommended by the Superintendent that the Board of Education, enter into a Closed Session as authorized by Section 8(b) of the Open Meetings Act for a student discipline hearing.

Motion by _____ Support by _____ Y _____ N _____ Ab _____

4. **Closed Session-** It is recommended by the Superintendent that the Board of Education, enter into a Closed Session as authorized by Section 8(b) of the Open Meetings Act for a student discipline hearing.

Motion by _____ Support by _____ Y _____ N _____ Ab _____

GENERAL PUBLIC COMMENT ON ITEMS NOT ON THE AGENDA

We encourage you to voice your opinion on topics not on the agenda. Please stand and be recognized by the Chairperson, and state your name and address before commenting. To provide the opportunity for all to participate, board policy limits each individual to three minutes. To ensure due process and respect of individual rights, the District maintains a formal process for handling complaints against individuals. A problem involving an individual(s) or specific incident is best handled through administrative channels. Speakers are asked to express themselves in a civil manner, with due respect for the dignity and privacy of others who may be affected by your comments, speakers should be aware that if your statements violate the rights of others under the law of defamation or invasion of privacy, you may be held legally responsible. ____

APPROVAL OF BILLS - It is recommended by the Superintendent and Board President, that the Board approve the bills ending April 12, 2024.

Motion by _____ Support by _____ Y _____ N _____ Ab _____

ADJOURNMENT

Motioned by: _____ Supported by: _____ Time: _____



Accountability | Achievement | Equity | Hard Work | Community

April 17, 2024

Clintondale Community Schools Board of Education,

It is recommended by the Director of Technology and the Chief Financial Officer that the Board of Education award the bid for our Public Address (PA) RFP to Division 27 for the amount of \$199,924.35. This bid award will be paid from two security grants: the 31aa Mental Health and School Safety grant, and the 97 School Safety grant.

Not only did Division 27 submitted the lowest bid, it was the most thorough of all the bids. The Public Address (PA) RFP was released on March 13th, a mandatory pre-bid meeting was held on March 27th, four bids were received on April 12th, and all bids were reviewed on April 16th.

The following schools will have a new Public Address (PA) system installed:

- Clintondale High School
- Clintondale Middle School
- Parker Elementary
- McGlennen Elementary
- iCampus offices

A new PA system was installed at Rainbow Elementary in 2020.

Thank you for your consideration,

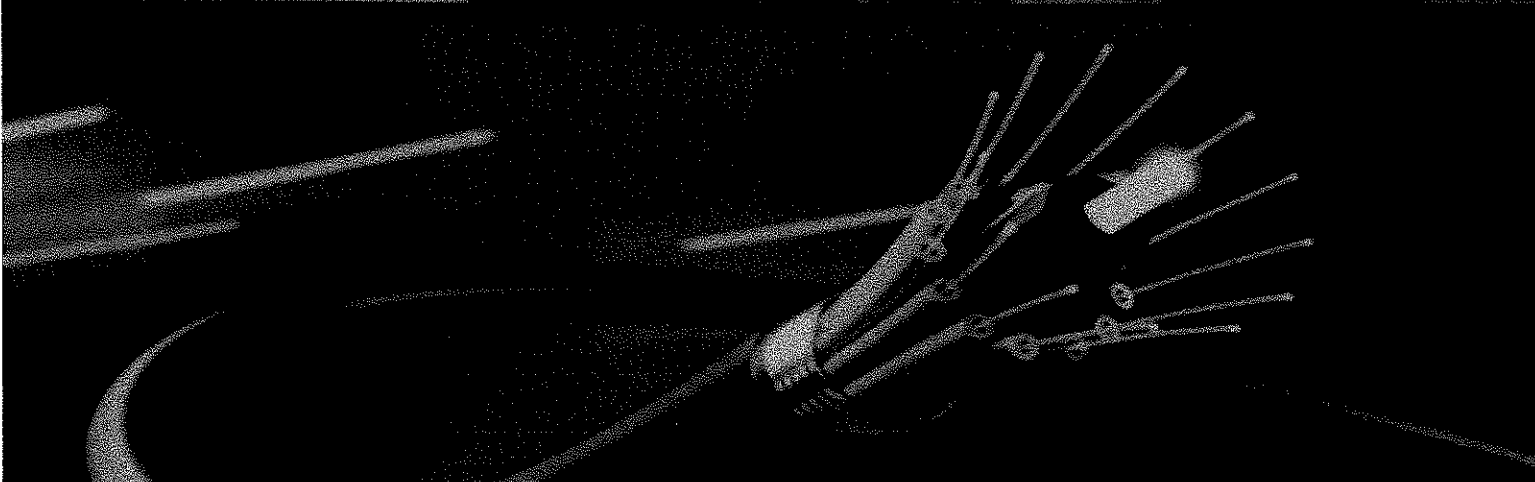
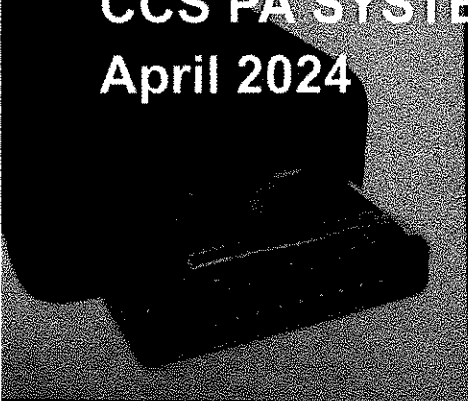
Richard Lerman
Director of Technology
Clintondale Community Schools



Network Operation Center 400 Green Acres Dr., Sandusky MI 48471
www.d27.io | 810-442-8603 | office@d27.io

CCS PA SYSTEM

April 2024



Division 27

Consider IT Solved

Network Operation Center 400 Green Acres Dr., Sandusky MI 48471
www.d27.io | 810-442-8603 | office@d27.io

FCC SPIN#: 143051365

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Tab 6	Alternate Bid
Tab 7	Descriptions/ brochures for Alternate proposed solution

Tab 1
Executive Summary

Division 27

Consider IT Solved

Network Operation Center 400 Green Acres Dr., Sandusky MI 48471
www.d27.io | 810-442-8603 | office@d27.io

FCC SPIN#: 143051365

Executive Summary

As President of Division 27, I am pleased to present the following response to your bid solicitation of a Paging system. Our team has devoted considerable effort to developing a solution that not only meets but also surpasses many of the specifications outlined in the RFP. We are confident that this solution will enable you to launch your new system where you will have full training, knowledge and easy adaptability to add or remove components to the system.

Division 27, formerly Kendra IT, was created with a vision of assisting organizations to achieve their technology goals. As a former K-12 IT Director I believe there were many areas where vendors underserved organizations and felt schools should be getting higher quality service. Using my prior school experience, I formed Division 27 to ensure that schools receive the highest excellence of service with the least amount of effort on their end. As an USF USAC E-rate provider, my team and I have worked with numerous schools, hospitals, medical facilities and private entities to provide them with complete solutions to their varying technological infrastructure needs.

We have poured over in great detail all of your specific technical and functional needs presented in this RFP and are confident that our enclosed solutions will meet or exceed your requirements. We have provided a very detailed response that uses the exact devices and support systems that your building will require to accomplish your technology goals.

For this project, we will be sending a dedicated Project Manager to remain onsite for the duration of the project. Additionally, our Project Manager will be conducting all of the Professional Developments needed when the district is ready to execute their new technology. This will provide a quality turnkey operation that doesn't leave you hanging with the keys, but with the knowledge and understanding of how to maximize this system for your team. Along with our Project Manager, we will be sending several of our field technicians to complete the installation. We will also have 2 full time technicians at our office preparing all of the devices, getting firmware updated, and other general preparation before being installed. We are confident that our extensive crew will be able to complete all of the key installation components this project requires.

In conclusion, Division 27 is looking forward to making this project a success for the Clintondale Public School District. We are confident you will be pleased with our service and if selected, we look forward to serving you.

Sincerely,



Ben Kendra
President

Tab 2
Bidder information, qualifications, references,
and warranty

FAMILIAL DISCLOSURE AFFIDAVIT

All Bids shall be accompanied by a sworn statement disclosing any familial relationship that exists between the owner(s) or any employee of the bidder and any member of the Board of Education of the District and/or Superintendent of the district.

The undersigned, owner of the authorized offer of Division 27, LLC (the bidder), pursuant of the familial disclosure requirement provided in the Clintondale Community School District, hereby represent and warrant, except as provided below, that no familial relationships exist between the bidder or any employee of the bidder, and any member of the Clintondale Community School District Board of Education and/or the Superintendent.

The following are the bidder's familial relationship(s) with the Clintondale Community School District:

Bidder/Employee Name, Related to, Relationship

1. _____

2. _____

(Attach additional pages if necessary to disclose all familial relationships)

There is no familial that exists between the bidder and/or any employee of the bidder and any member of the Clintondale Community School District Board of Education and/or Superintendent.

Bidder:

Division 27, LLC

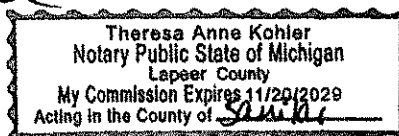
Company Name

By:

[Signature] Project Manager
Signature, Title

(Notarize this document using the space below)

Theresa Kohler April 5, 2024



Sanilac



CERTIFICATION OF COMPLIANCE – IRAN ECONOMIC SANCTIONS ACT

Michigan Public Act No. 517 of 2012

The undersigned, the owner, or authorized officer of the below-named company (the Company), pursuant to the compliance certification requirement provided by the Clintondale Community School District's request for proposal (the RFP), hereby certifies, represents, and warrants that the Company (which includes its officers, directors, and employees) is not an "Iran Linked Business" within the meaning of the Iran Economic Sanctions Act, Michigan Public Act No. 517 of 2012 (the "Act"), and that in the event the Company is awarded a contract by the Clintondale Community School District as a result of the aforementioned RFP, the Company is not and will not become an "Iran Linked Business" at any time during the course of performing any services under the contract.

The Company further acknowledges that any person who is found to have submitted a false certification is responsible for a civil penalty of not more than \$250,000 or two (2) times the amount of the contract for which the false certification was made, whichever is greater, the cost of the Clintondale Community School District's investigation, and reasonable attorney fees, in addition to the fine. Moreover, any person who submitted a false certification shall be ineligible to bid on a request for proposal for three (3) years from the date that it is determined that the person has submitted the false certification.

Division 27, LLC

Name of Company

Tricia Frisbey, Project Manager

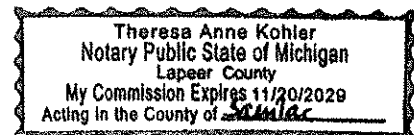
Name and Title of Authorized Representative



Signature

4/5/2024

Date



Sanilac

GREAT MIDWEST INSURANCE COMPANY

Bid Bond

CONTRACTOR:

(Name, legal status and address)

Division 27, LLC
400 Green Acres Drive
Sandusky, MI 48471

SURETY: Great Midwest Insurance Company: Texas Corporation

(Name, legal status and principal place
of business)

800 Gessner Road, Suite 600
Houston, Texas 77024

OWNER:

(Name, legal status and address)

Clintondale Community Schools
35100 Little Mack Avenue
Clinton Township, MI 48035

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

BOND AMOUNT: Five Percent (5%) of the Bid Proposal Amount

PROJECT:

(Name, location or address, and Project number, if any)

Public Address (PA) System at Clintondale Community Schools

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 12th day of April, 2024.


(Witness)


(Witness)

Division 27, LLC

(Principal)

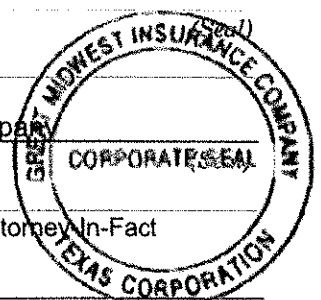
(Title)

Great Midwest Insurance Company

(Surety)

(Title)

John D. Weisbrot, Attorney In-Fact



POWER OF ATTORNEY
Great Midwest Insurance Company

KNOW ALL MEN BY THESE PRESENTS, that **GREAT MIDWEST INSURANCE COMPANY**, a Texas Corporation, with its principal office in Houston, TX, does hereby constitute and appoint:

John D. Weisbrot, Melissa L. McDade, Steven M. Varga

its true and lawful Attorney(s)-In-Fact to make, execute, seal and deliver for, and on its behalf as surety, any and all bonds, undertakings or other writings obligatory in nature of a bond.

This authority is made under and by the authority of a resolution which was passed by the Board of Directors of **GREAT MIDWEST INSURANCE COMPANY**, on the 1st day of October, 2018 as follows:

Resolved, that the President, or any officer, be and hereby is, authorized to appoint and empower any representative of the Company or other person or persons as Attorney-In-Fact to execute on behalf of the Company any bonds, undertakings, policies, contracts of indemnity or other writings obligatory in nature of a bond not to exceed Ten Million dollars (\$10,000,000.00), which the Company might execute through its duly elected officers, and affix the seal of the Company thereto. Any said execution of such documents by an Attorney-In-Fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company. Any Attorney-In-Fact, so appointed, may be removed in the Company's sole discretion and the authority so granted may be revoked as specified in the Power of Attorney.

Resolved, that the signature of the President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Secretary, and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power or certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certificate so executed and sealed shall, with respect to any bond of undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS THEREOF, **GREAT MIDWEST INSURANCE COMPANY**, has caused this instrument to be signed by its President, and its Corporate Seal to be affixed this 11th day of February, 2021.



GREAT MIDWEST INSURANCE COMPANY

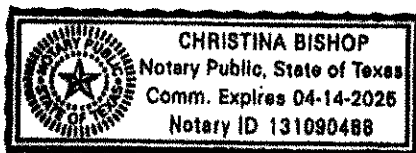
BY _____

Mark W. Haushill

Mark W. Haushill
President

ACKNOWLEDGEMENT

On this 11th day of February, 2021, before me, personally came Mark W. Haushill to me known, who being duly sworn, did depose and say that he is the President of **GREAT MIDWEST INSURANCE COMPANY**, the corporation described in and which executed the above instrument; that he executed said instrument on behalf of the corporation by authority of his office under the By-laws of said corporation.



BY _____

Christina Bishop

Christina Bishop
Notary Public

CERTIFICATE

I, the undersigned, Secretary of **GREAT MIDWEST INSURANCE COMPANY**, A Texas Insurance Company, DO HEREBY CERTIFY that the original Power of Attorney of which the foregoing is a true and correct copy, is in full force and effect and has not been revoked and the resolutions as set forth are now in force.

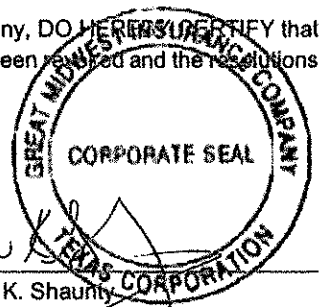
Signed and Sealed at Houston, TX this 12th Day of April, 2024.



BY _____

Leslie K. Shaughy

Leslie K. Shaughy
Secretary



"WARNING: Any person who knowingly and with intent to defraud any insurance company or other person, files an application for insurance of claim containing any materially false information, or conceals for the purpose of misleading, information concerning any fact material thereto, commits a fraudulent insurance act, which is a crime and subjects such person to criminal and civil penalties.

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References

All of our clients are happy when we depart, we make sure of it. Here are a few you are welcome to contact. Your satisfaction is our requirement.

Joe Smith System Engineer Gradiot-Isabella ISD 989-875-5604	John Cargo Technology Coordinator Iosco-Arenac District Library 989-362-2651 x3985	Glen Reid IT Manager CTO River Rouge Schools 313-303-3768
Tony Huizar Director of Technology Tawas Area Schools 989-984-2100	Brad Carrier Network Administrator Sanilac Community Mental Health 810-583-0397	Robert Frost CTO Tuscola ISD 989-673-2144
Adam Filkins Level II Systems Analyst Marlette Regional Hospital 989-635-4302	Don Johnston Airport Manager Sandusky City Airport 810-404-3781	Matthew Thomson Director of Technology Deckerville Community Hospital 810-376-2835

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Specifics on Requirements

For all schools here is our response for the requirements.

New wiring and speakers/horns at the locations specified in the appendix.

The wiring we are suggesting is manufactured by West Penn and is an 18 gauge 2 pair wire that is plenum rated. The warranty on the cable is 10 years. The speakers are by AtlasIED which are a 70v speaker designed for this application. The horns are also by AtlasIED and both come with a 3 year warranty on all Atlas products.

New strobe lights next to the speakers at locations specified in the appendix.

The strobe light is manufactured by Algo with a model of 8128. This is an IP based strobe light that will integrate nicely into the heart of the system which is by Algo as well. The strobe light comes with a 1 year warranty, however, we are offering a company held extended warranty that if anything dies in the first 3 years, we will replace it (by shipping) at no extra charge.

Disposal of existing equipment

We will be renting a dumpster (with coordination with the school for location), to house all of the components we rip out and ensure that it is all disposed of properly, and there is no extra burden on the district.

The ability to define and save different bell times.

Our bid is compliant with the requirement, and offers much more which will be covered in the training. This is for both our base bid and our alternate bid.

The ability to make announcements from any phone located in the building.

We can take communication from your PBX and or your analog phone system to tie into the system. You can page a building, or the entire district via multicast. This requirement assumes all your buildings are on the same network with at least a site to site VPN. This is for both our base bid and our alternate bid.

The ability to send announcements or bells to either internal speakers, external speakers, or both.

We have provisioned a zone for your external speakers, and your internal so you may make announcements to the outside zone, the inside zone, both, or all buildings exterior, all buildings interior, or all buildings both. There are 10 zones in total to include areas like the shared Kitchen and virtual school. This is for both our base bid and our alternate bid.

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The PA system should be configured so a user can broadcast an announcement from any phone at the school with an access code.

There is no access code, it is just an arbitrary PBX extension. You could make that 3, 4 or 5 digits depending on your phone provider's capabilities. This is for both our base bid and our alternate bid.

The district currently uses a Panasonic VoIP system. This system will be replaced in the next couple of years. The new PA systems need to be flexible so they work with our current Panasonic system, and whichever VoIP system the district implements in the near future.

Our system is compatible with this PBX system and all popular and any SIP based PBX. We have integrated into just about every common provider out there. That being said, we have a high degree of confidence that this can be integrated into any system you move to in the future. This is for both our base bid and our alternate bid.

Prevailing Wage

This is a prevailing wage project, and our employees wages will be adjusted accordingly. This is for both our base bid and our alternate bid.

Bidders service and support hours are clearly defined.

We staff a 24x7 help desk which provides IT and Emergency support for several hospitals and outside plant fiber build outs, throughout the State of Michigan. Problems with technology can be solved within a contracted SLA, our standard non-critical is an 10 hours per day, 5 days a week, Monday - Friday, typically 7am to 5pm with as-needed on Weekends and Holidays. A service technician can be dispatched typically within 2-4 days depending on the urgency, and typically within 1 day on emergency status tickets. This is for both our base bid and our alternate bid and we are certified/official partners with both proposed solutions.

This project will include 3 years of our standard SLA within unlimited free remote and phone support. It includes 1 post project acceptance service call at no additional cost. Even though the manufacturer's warranty runs out after 1 year, we are adding, at no additional cost, a warranty on all hardware for the additional 24 months. We are confident in this equipment, and due to the stocking nature of it, we are willing to maintain that warranty for your district as an added benefit.

Warranty on Installation = 3 years

Warranty on Cable = 10 years

Warranty on Hardware = 3 years

Warranty on Software = 3 years

Or warranty does not cover student or staff damage intentional or accidental.

This is for both our base bid and our alternate bid.

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About the System Design

We recommended Algo for several key reasons, primarily based on our understanding of your needs. Our analysis suggests that while the district currently has funds, there's a clear preference to avoid commitments that incur long-term costs or require continuous renewals. We inferred that there's a desire for a system that allows your own teams—whether IT, Maintenance, or others—to independently manage and modify it. This could range from adding a speaker for a student with special hearing needs, avoiding the high costs of external contractors, to replacing a critical component of the control system years down the line. The district has the flexibility to order parts individually, without being dependent on us or any other integrator.

One of Algo's standout features is its no-renewal policy. It offers a one-time purchase with a perpetual license, aligning perfectly with your district's preferences. Additionally, should you decide to broaden your scope to a unified mass communication system in the future, Algo seamlessly integrates with major platforms such as Singlewire (InformaCast), Intrado Revolution, among others. This flexibility and ease of maintenance post-adoption make Algo an excellent choice for your district.

Every part of the Algo system is easily replaceable by ordering online, ensuring the district can manage the system with minimal external assistance. Nevertheless, this doesn't mean our support ends with the installation. We're here for any questions, concerns, or help with parts replacement, offering the peace of mind that comes with three years of support from our team. We've designed this system to be as open and adaptable as possible, similar to "open source," yet with the added benefit of our ongoing support from Division 27. While we've emphasized cost savings and autonomy for the district, our commitment to providing comprehensive support for every aspect of the system remains unchanged, both now and in the future. One disadvantage to be aware of, is if there was ever a need for a single building to independently page simultaneously, only 1 zone can perform at a single time. This does not mean you cannot page both the interior, exterior and kitchen with the same signal. For example, it means you cannot have the front office page the exterior at the same time a principal pages the kitchen.

Project Delivery

You will be assigned a single point of contact throughout the lifecycle of your project. This person will also be onsite to guide the project through the installation, as well as be your point of contact for training.

Project Delivery Timeline

We are confident we can have your installation completed and tested by August 23, 2024. The training components will be up to your district's availability. If your staff are off or unavailable, we may not be able to check that box but we will be available and ready at any time. If your staff want to schedule a remote training after our installation crew has left, that will be an option as well. Onsite training will expire once our crew leaves, but we will be available for remote training throughout the 36 months.

Tab 3
Itemized pricing per building and
total cost of bid

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Base Bid Pricing

Manufacturer	Model	Item Description	Qty	Cost	Labor Cost	Total Cost
WestPenn	25293BWH1000	HR 18/2 Speaker Wire	15400	\$ 0.54		\$ 8,381.45
WestPenn	25293BWH1000	Daisy Chain 18/2 Speaker Wire	16600	\$ 0.54		\$ 9,034.55
ALGO	8373	8373 IP Zone Paging Adapter	5	\$ 957.88		\$ 4,789.40
ALGO	8301	8301 IP Paging Adapter & Scheduler	5	\$ 859.92		\$ 4,299.58
AtlasLED	SD72WV	8" SPKR W/GRILL BRIGHT WHITE	54	\$ 77.33		\$ 4,175.66
AtlasLED	VP14MB	Wall Mount Speaker	318	\$ 127.99		\$ 40,699.49
ALGO	1128	Algo Strobe Light	11	\$ 903.46		\$ 9,938.01
AtlasLED	AP-15T	15W PAGING HORN W/TRANSFORMER	26	\$ 195.93		\$ 5,094.18
AtlasLED	AZA804	70v 800W Amplifier	5	\$ 1,739.42		\$ 8,697.12
Generic	Generic	Bracket- ceiling tile kit with dome	54	\$ 64.68		\$ 3,492.65
Labor	D27	Abatement of Existing Copper, disposal	1		\$ 2,567.77	\$ 2,567.77
Labor	D27	HR Cable & Hardware Installation	1		\$ 37,290.59	\$ 37,290.59
Labor	D27	Speaker to Speaker Cable Installation	1		\$ 37,945.11	\$ 37,945.11
Labor	D27	Complete Certification & Documentation Report	1		\$ 435.40	\$ 435.40
Generic	Generic	Dumpster Rental	1		\$ 2,830.10	\$ 2,830.10

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Generic	Generic	Ceiling Tile Repair 2x4 and 2x2	15	\$ 280.79		\$ 4,211.84
Generic	Generic	Wall Mount Repair	50	\$ 54.43		\$ 2,721.25
State of Michigan	State Permit	Department of Licensing and Regulatory Affairs Region	4	\$ 950.00		\$ 3,800.00
		** 10 hours User training and maintenance training	1			
		** 10x5 support via help desk for 1 year				
		** 1 additional trip to make any changes after final				
		** Perpetual license, 1 time cost, no renewals				
		** Hardware is covered for 5 years				
			1		\$ 9,520.21	\$ 9,520.21
Grand Totals:						\$ 199,924.35

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COST BY BUILDING: High School

Manufacturer	Model	Item Description	Qty	Cost	Labor Cost	Total Cost
WestPenn		HR 18/2 Speaker Wire	6200	\$ 0.54		\$ 3,374.35
WestPenn		Daisy Chain 18/2 Speaker Wire	7750	\$ 0.54		\$ 4,217.94
ALGO	8373	8373 IP Zone Paging Adapter	1	\$ 957.88		\$ 957.88
ALGO	8301	8301 IP Paging Adapter & Scheduler	1	\$ 859.92		\$ 859.92
AtlasIED	SD72WV	8" SPKR W/GRILL BRIGHT WHITE	31	\$ 77.33		\$ 2,397.14
AtlasIED	VP14MB	Wall Mount Speaker	142	\$ 127.99		\$ 18,173.99
ALGO	1128	Algo Strobe Light	5	\$ 903.46		\$ 4,517.28
AtlasIED	AP-15T	15W PAGING HORN W/TRANSFORMER	8	\$ 195.93		\$ 1,567.44
AtlasIED	AZA804	70v 800W Amplifier	1	\$ 1,739.42		\$ 1,739.42
		Bracket- ceiling tile kit with dome	31	\$ 64.68		\$ 2,005.04
		Audio distribution block				
Labor	D27	Abatement of Existing Copper, disposal	1		\$ 1,219.12	\$ 1,219.12
Labor	D27	HR Cable & Hardware Installation	1		\$ 14,201.99	\$ 14,201.99
Labor	D27	Speaker to Speaker Cable Installation	1		\$ 17,715.34	\$ 17,715.34
Labor	D27	Complete Certification & Documentation Report	1		\$ 435.40	\$ 435.40
		Dumpster Rental	1		\$ 2,830.10	\$ 2,830.10

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	Ceiling Tile Repair 2x4 and 2x2	15	\$ 280.79		\$ 4,211.84
	Wall Mount Repair	50	\$ 54.43		\$ 2,721.25
State of Michigan	Department of Licensing and Regulatory Affairs Region	1	\$ 950.00		\$ 950.00
	** 10 hours User training and maintenance training				
	** 10x5 support via help desk for 1 year				\$ -
	** 1 additional trip to make any changes after final				\$ -
	** Perpetual license, 1 time cost, no renewals				\$ -
	** Hardware is covered for 5 years				\$ -
					\$ -
					\$ -
					\$ -
					\$ -
	Grand Totals:				\$ 84,095.42

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COST BY BUILDING: Middle School & Virtual School

Manufacturer	Model	Item Description	Qty	Cost	Labor Cost	Total Cost
WestPenn		HR 18/2 Speaker Wire	4400	\$ 0.54		\$ 2,394.70
WestPenn		Daisy Chain 18/2 Speaker Wire	4800	\$ 0.54		\$ 2,612.40
ALGO	8373	8373 IP Zone Paging Adapter	2	\$ 957.88		\$ 1,915.76
ALGO	8301	8301 IP Paging Adapter & Scheduler	2	\$ 859.92		\$ 1,719.83
AtlasIED	SD72WV	8" SPKR W/GRILL BRIGHT WHITE	0	\$ 77.33		\$ -
AtlasIED	VP14MB	Wall Mount Speaker	108	\$ 127.99		\$ 13,822.47
ALGO	1128	Algo Strobe Light	2	\$ 903.46		\$ 1,806.91
AtlasIED	AP-15T	15W PAGING HORN W/TRANSFORMER	8	\$ 195.93		\$ 1,567.44
AtlasIED	AZA804	70v 800W Amplifier	2	\$ 1,739.42		\$ 3,478.85
		Bracket- ceiling tile kit with dome	0	\$ 64.68		\$ -
Labor	D27	Abatement of Existing Copper, disposal	1		\$ 700.99	\$ 700.99
Labor	D27	HR Cable & Hardware Installation	1		\$ 10,464.62	\$ 10,464.62
Labor	D27	Speaker to Speaker Cable Installation	1		\$ 10,972.08	\$ 10,972.08
Labor	D27	Complete Certification & Documentation Report			\$ 435.40	\$ -
		Dumpster Rental	0		\$ 2,830.10	\$ -
		Ceiling Tile Repair 2x4 and 2x2		\$ 280.79		\$ -
		Wall Mount Repair		\$ 54.43		\$ -

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State of Michigan	Department of Licensing and Regulatory Affairs Region	1	\$ 950.00		\$ 950.00
	** 10 hours User training and maintenance training				
	** 10x5 support via help desk for 1 year				\$ -
	** 1 additional trip to make any changes after final				\$ -
	** Perpetual license, 1 time cost, no renewals				\$ -
	** Hardware is covered for 5 years				\$ -
					\$ -
Grand Totals:					\$ 52,406.05

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FCC SPIN#: 143051365

COST BY BUILDING: McGlennen Elementary

Manufacturer	Model	Item Description	Qty	Cost	Labor Cost	Total Cost
WestPenn		HR 18/2 Speaker Wire	2600	\$ 0.54		\$ 1,415.05
WestPenn		Daisy Chain 18/2 Speaker Wire	2600	\$ 0.54		\$ 1,415.05
ALGO	8373	8373 IP Zone Paging Adapter	1	\$ 957.88		\$ 957.88
ALGO	8301	8301 IP Paging Adapter & Scheduler	1	\$ 859.92		\$ 859.92
AtlasIED	SD72WV	8" SPKR W/GRILL BRIGHT WHITE	7	\$ 77.33		\$ 541.29
AtlasIED	VP14MB	Wall Mount Speaker	51	\$ 127.99		\$ 6,527.28
ALGO	1128	Algo Strobe Light	2	\$ 903.46		\$ 1,806.91
AtlasIED	AP-15T	15W PAGING HORN W/TRANSFORMER	5	\$ 195.93		\$ 979.65
AtlasIED	AZA804	70v 800W Amplifier	1	\$ 1,739.42		\$ 1,739.42
		Bracket- ceiling tile kit with dome	7	\$ 64.68		\$ 452.75
Labor	D27	Abatement of Existing Copper, disposal	1		\$ 419.07	\$ 419.07
Labor	D27	HR Cable & Hardware Installation	1		\$ 6,727.26	\$ 6,727.26
Labor	D27	Speaker to Speaker Cable Installation	1		\$ 5,943.21	\$ 5,943.21
Labor	D27	Complete Certification & Documentation Report			\$ 435.40	\$ -
		Dumpster Rental			\$ 2,830.10	\$ -
		Ceiling Tile Repair 2x4 and 2x2		\$ 280.79		\$ -
		Wall Mount Repair		\$ 54.43		\$ -

Division 27

Consider IT Solved

Network Operation Center 400 Green Acres Dr., Sandusky MI 48471
www.d27.io | 810-442-8603 | office@d27.io

FCC SPIN#: 143051365

State of Michigan	Department of Licensing and Regulatory Affairs Region	1	\$ 950.00	\$ 950.00
	** 10 hours User training and maintenance training			
	** 10x5 support via help desk for 1 year			\$ -
	** 1 additional trip to make any changes after final			\$ -
	** Perpetual license, 1 time cost, no renewals			\$ -
	** Hardware is covered for 5 years			\$ -
				\$ -
Grand Totals:				\$ 30,734.73

Division 27

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www.d27.io | 810-442-8603 | office@d27.io

FCC SPIN#: 143051365

COST BY BUILDING: Parker Elementary

Manufacturer	Model	Item Description	Qty	Cost	Labor Cost	Total Cost
WestPenn		HR 18/2 Speaker Wire	2200	\$ 0.54		\$ 1,197.35
WestPenn		Daisy Chain 18/2 Speaker Wire	1450	\$ 0.54		\$ 789.16
ALGO	8373	8373 IP Zone Paging Adapter	1	\$ 957.88		\$ 957.88
ALGO	8301	8301 IP Paging Adapter & Scheduler	1	\$ 859.92		\$ 859.92
AtlasIED	SD72WV	8" SPKR W/GRILL BRIGHT WHITE	16	\$ 77.33		\$ 1,237.23
AtlasIED	VP14MB	Wall Mount Speaker	17	\$ 127.99		\$ 2,175.76
ALGO	1128	Algo Strobe Light	2	\$ 903.46		\$ 1,806.91
AtlasIED	AP-15T	15W PAGING HORN W/TRANSFORMER	5	\$ 195.93		\$ 979.65
AtlasIED	AZA804	70v 800W Amplifier	1	\$ 1,739.42		\$ 1,739.42
		Bracket- ceiling tile kit with dome	16	\$ 64.68		\$ 1,034.86
Labor	D27	Abatement of Existing Copper, disposal	1		\$ 228.59	\$ 228.59
Labor	D27	HR Cable & Hardware Installation	1		\$ 5,896.73	\$ 5,896.73
Labor	D27	Speaker to Speaker Cable Installation	1		\$ 3,314.48	\$ 3,314.48
Labor	D27	Complete Certification & Documentation Report			\$ 435.40	\$ -
		Dumpster Rental			\$ 2,830.10	\$ -
		Ceiling Tile Repair 2x4 and 2x2		\$ 280.79		\$ -
		Wall Mount Repair		\$ 54.43		\$ -

Division 27

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Network Operation Center 400 Green Acres Dr., Sandusky MI 48471
www.d27.io | 810-442-8603 | office@d27.io

FCC SPIN#: 143051365

State of Michigan	Department of Licensing and Regulatory Affairs Region	1	\$ 950.00		\$ 950.00
	** 10 hours User training and maintenance training				
	** 10x5 support via help desk for 1 year				\$ -
	** 1 additional trip to make any changes after final				\$ -
	** Perpetual license, 1 time cost, no renewals				\$ -
	** Hardware is covered for 5 years				\$ -
					\$ -
Grand Totals:					\$ 23,167.94

Tab 4
System Engineering Drawings

Division 27

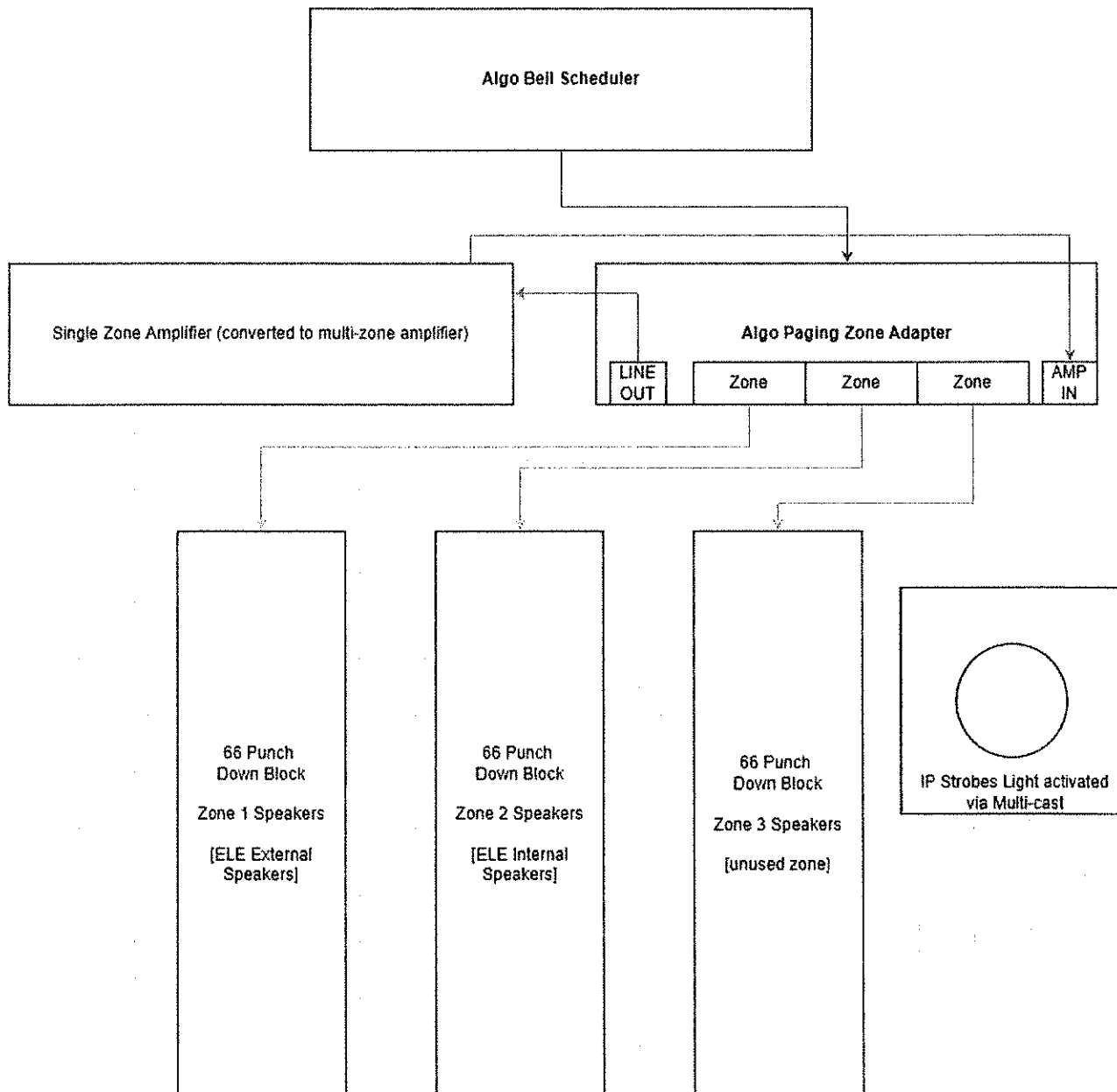
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FCC SPIN#: 143051365

Base Bid System Engineering Drawings

Parker Elementary



Division 27

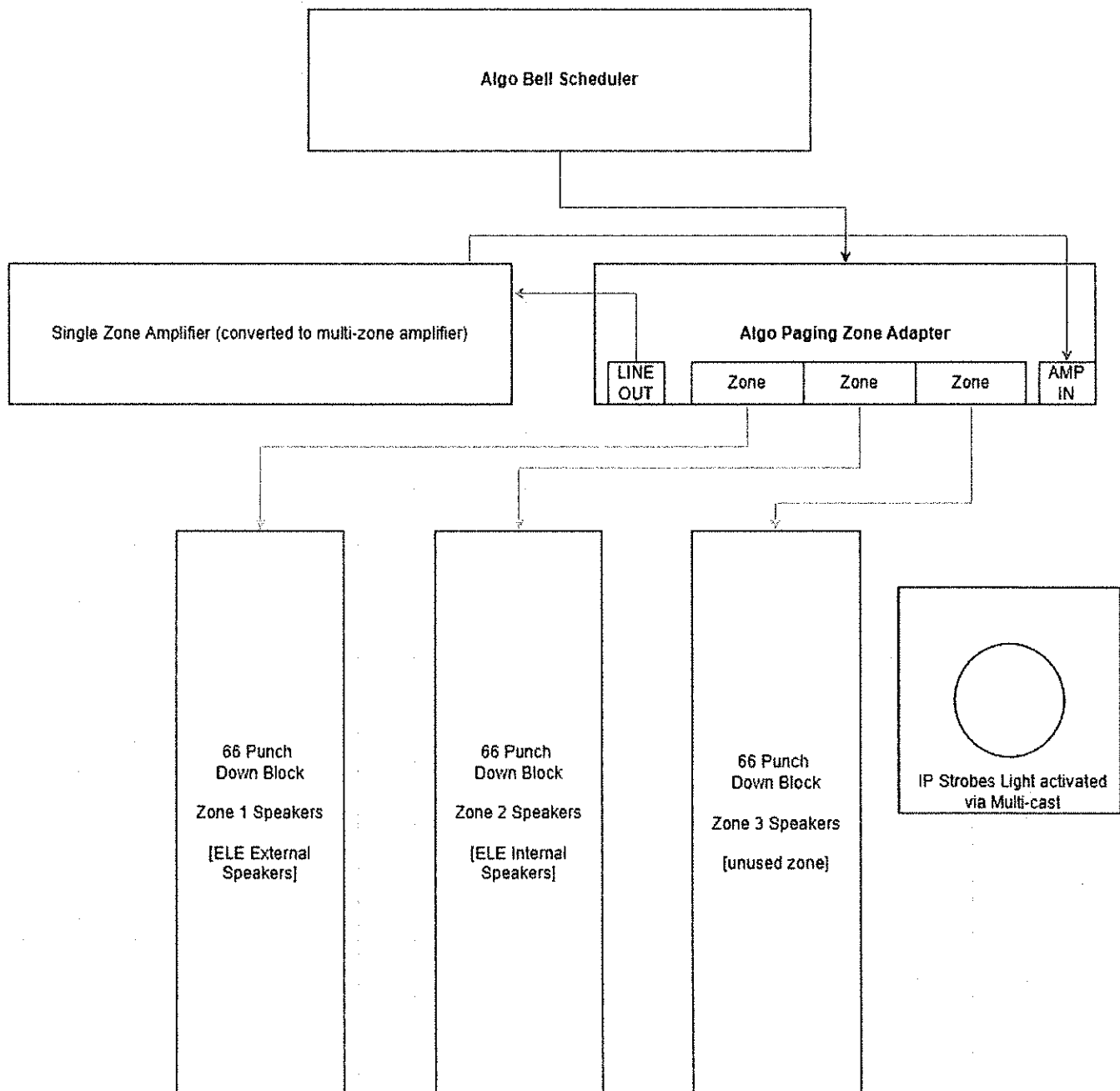
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FCC SPIN#: 143051365

Base Bid System Engineering Drawings

McGlennen Elementary



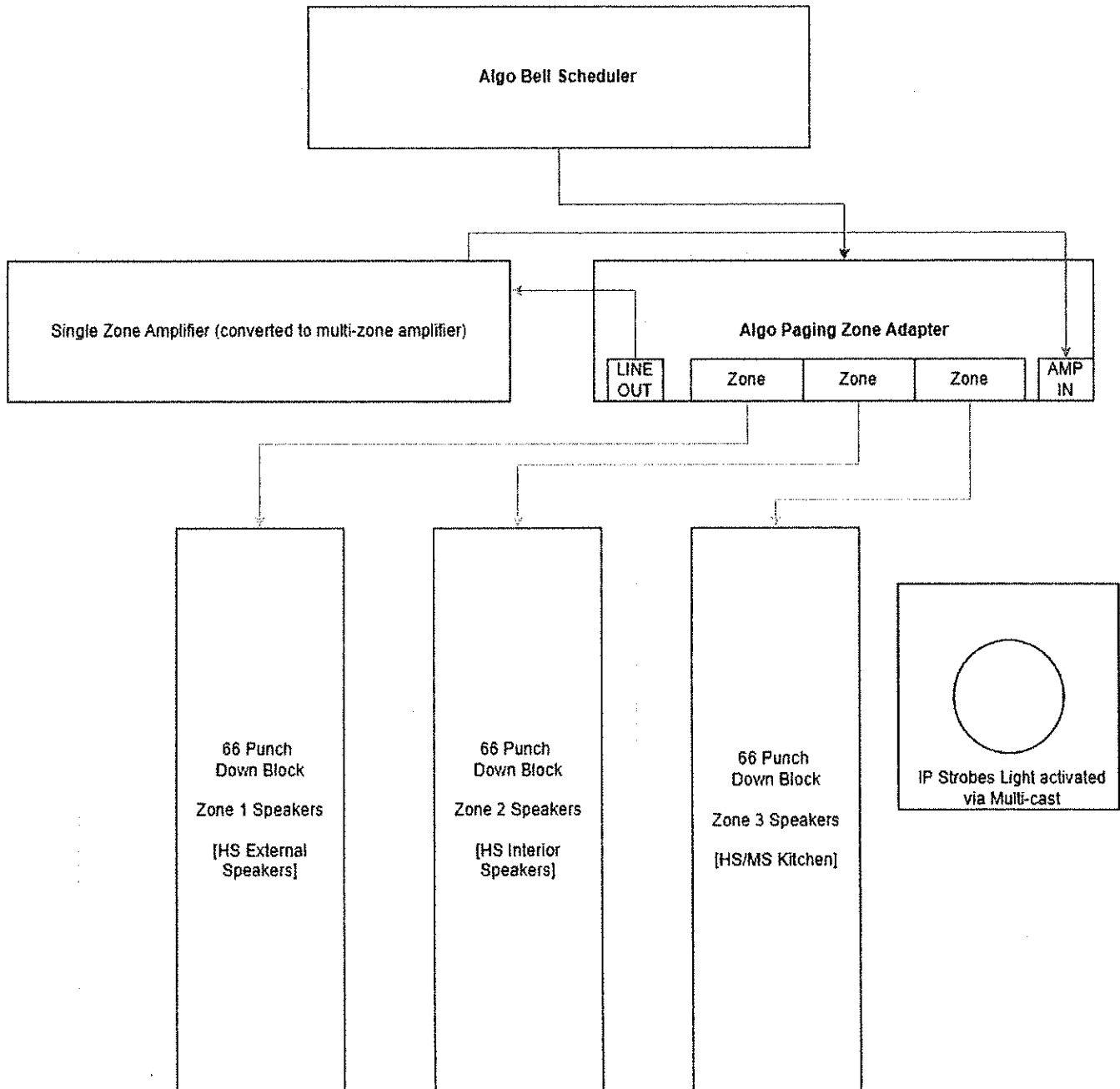
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FCC SPIN#: 143051365

Base Bid System Engineering Drawings High School



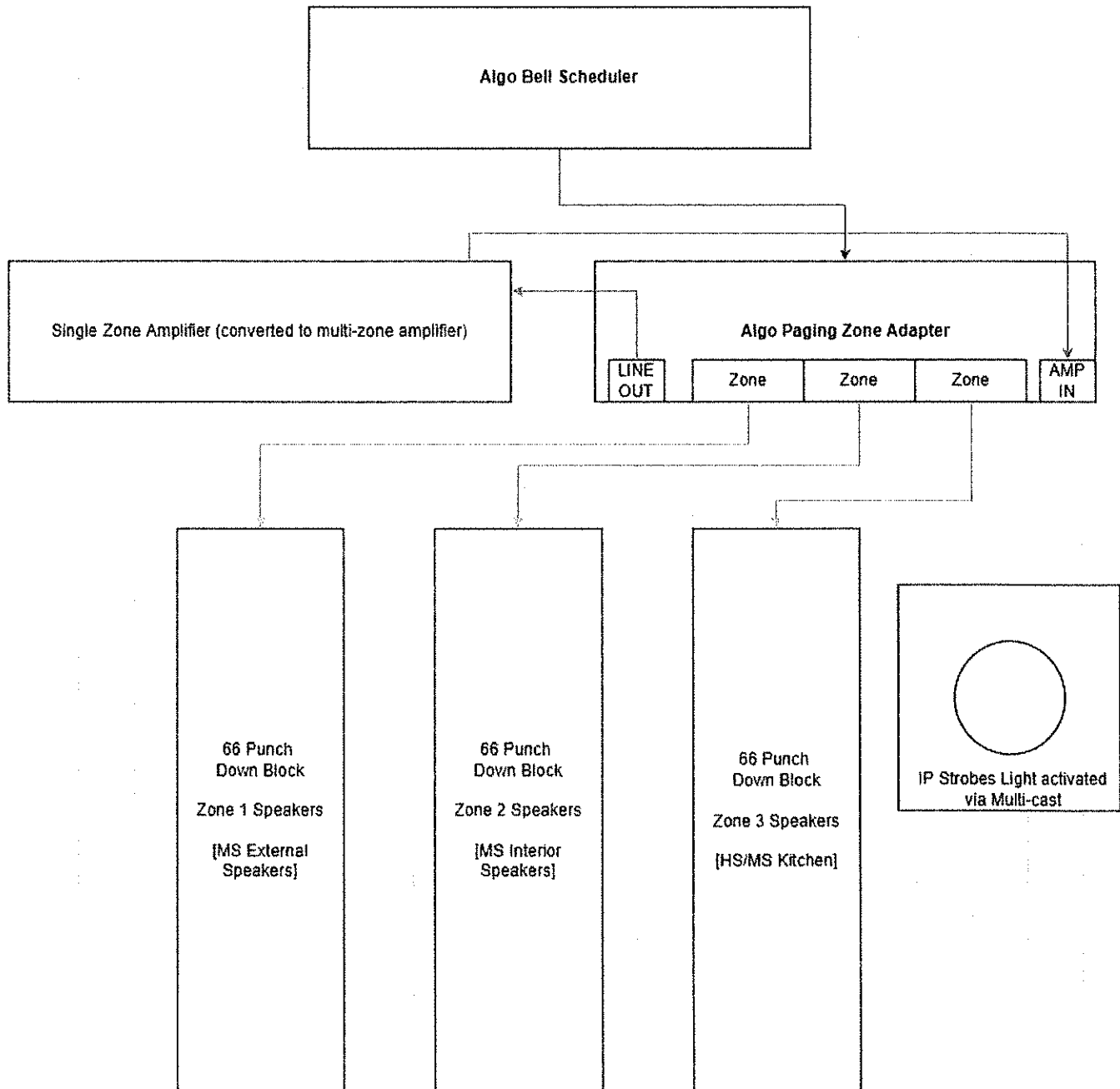
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FCC SPIN#: 143051365

Base Bid System Engineering Drawings Middle School



Division 27

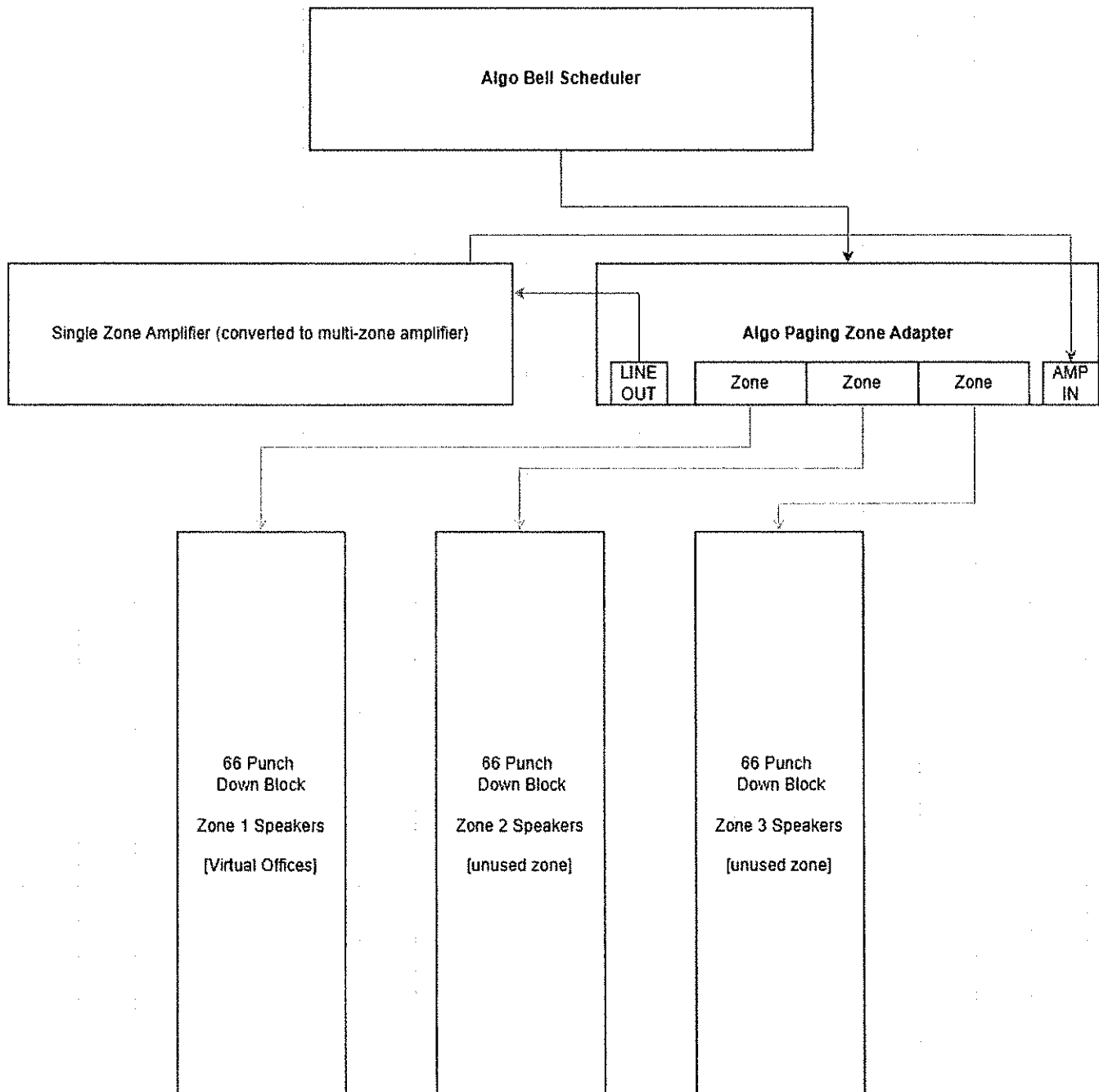
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FCC SPIN#: 143051365

Base Bid System Engineering Drawings

Virtual School



Tab 5

Descriptions/ brochures for all proposed solution

**25293B**
 18/2 Shielded CMP
 Audio and Control

Construction & Dimensions

CONSTRUCTION & DIMENSIONS	-
CONDUCTOR PARAMETER	-
• Number of Conductors	2
• AWG Size	18
• Conductor Stranding	7x26
• Conductor Type	Bare copper
• Nominal DCR	6.2 Ohm/1000ft
• Cabling Lay Length	3 in
• Twists/Foot	4 twist/ft
INSULATION PARAMETER	-
• Insulation Type	Plenum PVC
• Insulation Thickness	0.008 in
• Insulation Color Code	1. Black 2.Red
SHIELDING PARAMETER	-
• Shield Type	Overall 100% Aluminum Foil
• Drain Wire Type	Tinned Copper
• Drain Wire AWG	24 AWG
ELECTRICAL CHARACTERISTICS	-
• Nom. Cap. Between Conductors	68 pF/ft
• Nom. Cap. Conductor to Shield	122 pF/ft

Overall Construction

OVERALL CONSTRUCTION PARAMETERS	-
Jacket Type	Flexible Plenum
Jacket Thickness	0.015 in
Nominal Cable O.D.	0.156 in
Plenum	Yes
NEC UL Rating	CMP
RoHS Compliant	Yes
Pull Tension	57 lbs
Bend Radius	1.404 in
Cable Weight	21 lbs

Overall Electrical & Optical Characteristics

OVERALL ELECTRICAL/OPTICAL CHARACTERISTICS	-
UL Flammability	NFPA 262 Plenum
Operating Range	-0 to 60 Deg C
UL Voltage Rating	300

Detailed Specification & Technical Data



25293B

18/2 Shielded CMP

Audio and Control

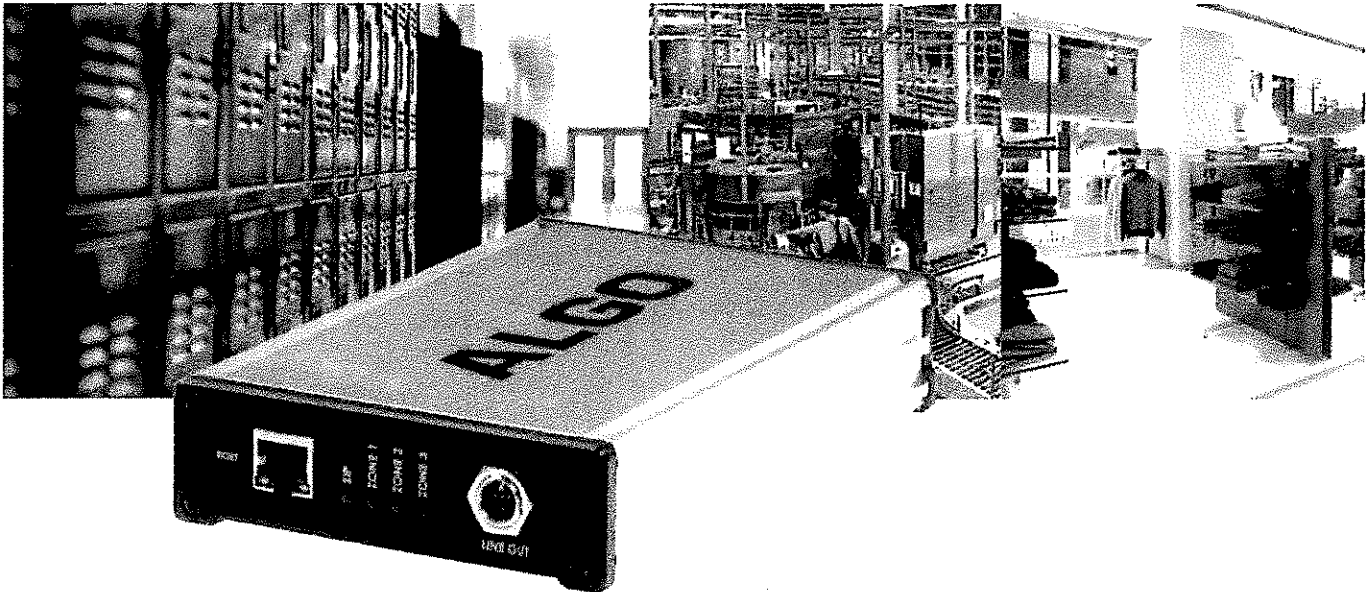
Related Products

RELATED PRODUCTS	
Non Plenum Number	293
Aquaseal Number	AQC293
Aquaseal Direct Burial Number	AQ293
3 Pin XLR Male	CN-NC3MX
3 Pin XLR Female	CN-NC3FX
3.5mm Stereo Mini	CN-NYS231

ALGO

8373 Zone Paging Adapter

Advance Information



IP Paging Adapter for Traditional Analog Amplifiers with Zone Control

The 8373 is a PoE IP Paging Adapter for integrating existing and traditional zoned paging solutions into a VoIP environment, whether premise or hosted. Features include G.722 wideband support with isolated and balanced line output for optimum clarity and intelligibility without hum or noise.

To the network side, the 8373 is a SIP endpoint for easy integration with an IP telephone system and easily configured using the intuitive web interface or provisioning capabilities.

On the paging side, the 8373 provides balanced audio output using both an XLR connector and terminal block for easy connection to an amplifier, along with a dry contact closure if required by the amplifier.

The high voltage audio output of the amplifier is wired back to the 8373 and connected to up to three separate speaker zones using high current internal zone control

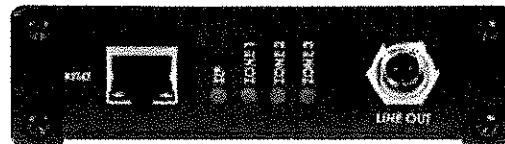
relays. The zone control relays are activated appropriately prior to paging based on the SIP extension called, multicast IP address received, or keypad input. For scalability, multiple 8373 Paging Adapters can be used to support as many page zones as required from a single amplifier.

Further speech enhancement is provided by automatic level control, choice of frequency masks, and optional speech compression. Output level is compatible with consumer, commercial, and pro-audio amplifiers requiring either -10 dBm, 0 dBm, or +4 dBu line level.

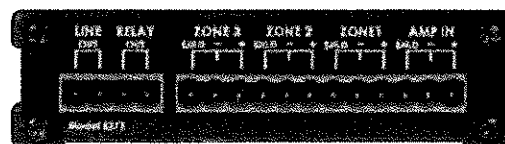
Multicast capability allows scalability for multiple amplifiers as well as integration with Algo IP speakers in zoned and large scale applications.

Specifications:

Power Input:	48 V PoE IEEE 802.3af Class 0 (Max 4.5W - Idle nominal 2.0W)
SIP:	7 Page extensions map to possible zone permutations + 1 page extension for keypad zone control + 1 extension for notification.
Multicast:	Transmit or receive using multicast IP address mapped to paging zone(s).
Codec Support:	G.711 A-law, G.711 u-law, G.722, Polycom Group Page, OGG Vorbis (other codec support available on request).
Processor:	Linux OS ARM Cortex-A8 32-Bit RISC Processor
Line Output:	Low impedance balanced output. Line level -10 dBm / 0 dBm / +4 dBu. Transformer isolated internally. Male mini-XLR connector and pluggable terminal block. Frequency response 100-7000 Hz +/- 3dB.
Audio Memory:	1 GByte
WAV Files:	Customizable. Includes chime, gong, bell, warble, barking dogs.
Speech Processing:	ALC, filtering, compression
Audio Delay:	Programmable 1-1000 ms synchronization delay
Page Mode:	Live or cache and release.
Page Zones:	Based on SIP extension called, received multicast IP Address, or keypad events for 8373 configured as page SIP extension.
Relay Output:	Normally open or normally closed. Max rating 30 V 50 mA.
Configuration:	Web interface (HTTP or HTTPS) or auto-provisioning server.
Provisioning:	TFTP, FTP, HTTP
Supervision:	SNMP
NAT:	STUN, CRLF Keep Alive
Environmental:	+32 to +122 deg F (0 to +50 deg C); Suitable for dry indoor environments only.
Dimensions:	6.5" x 4.3" x 1.3" (16.5 cm x 10.9 x 3.3 cm)
Mounting:	Wall mountable or tabletop
Weight:	2.2 lb (1.0 kg)
Compliance:	EN60950:2001, IEEE 802.3-2008, RFC3261, RoHS, CE, FCC Class B, CISPR 22 Class B, CISPR 24, CSA/UL (USA & Canada)



Front View



Rear View



Wall Mount Bracket

Order Code:

8373 Paging Adapter with Wall Mount Bracket

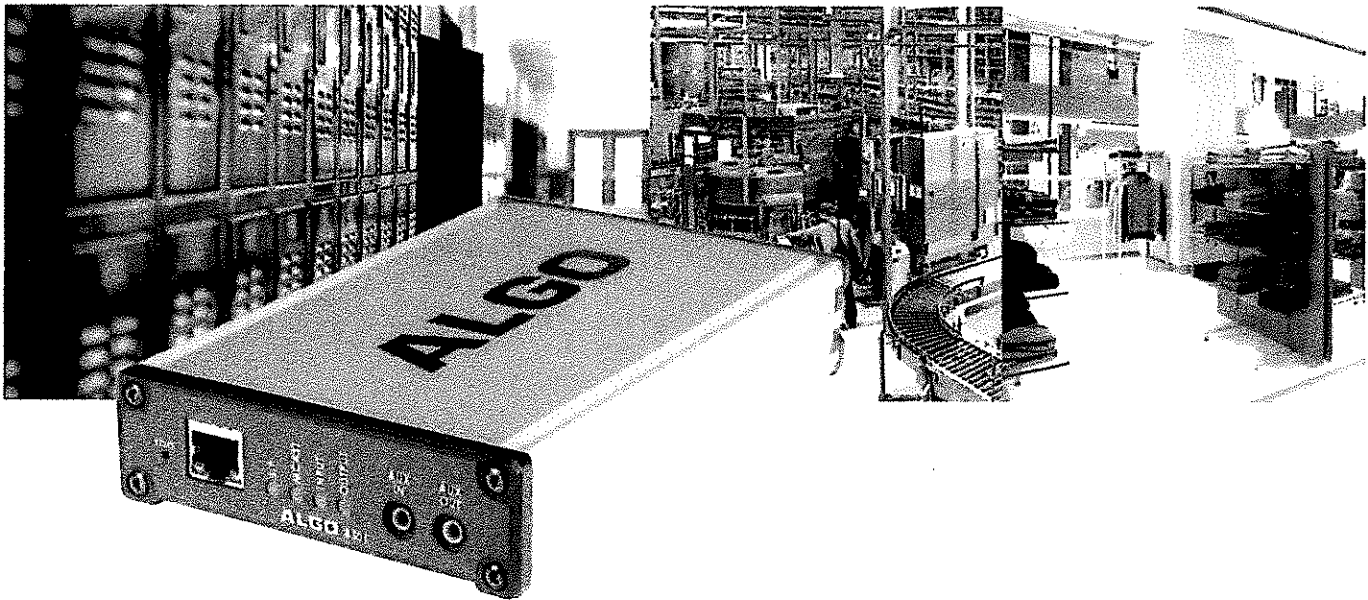
Optional Accessories:



2504 XLR-Mini Female to XLR Male Balanced Audio Cable
Other cables available on request

ALGO

8301 IP Paging Adapter



IP Paging Adapter for Traditional Analog Amplifiers

The 8301 is a PoE IP Paging Adapter for integrating existing and traditional paging solutions into a VoIP environment, whether premise or cloud. Features include G.722 wideband support with isolated and balanced line output for optimum clarity and intelligibility without hum or noise.

Multicast capability allows scalability for any number of amplifiers as well as integration with Algo IP speakers in zoned and large scale applications. Each 8301 can be configured for up to 50 page zones with more zoning capability when multiple 8301s are deployed.

To the network side, the 8301 is a SIP endpoint for easy integration with an IP telephone system and easily configured using the intuitive web interface or provisioning capabilities. On the paging side, the 8301 provides balanced audio output using both an XLR connector and terminal block for easy connection to an amplifier, along with a dry contact closure if required by the amplifier.

Further speech enhancement is provided by automatic level control, choice of frequency masks, and optional speech compression. Output level is compatible with consumer, commercial, and pro-audio amplifiers requiring either -10 dBm, 0 dBm, or +4 dBu line level.

An audio input (also balanced and isolated to prevent equipment ground loops) can be used for auxiliary input or insertion of the 8301 between existing equipment. This allows IP based paging or emergency notification to take control of the amplifier as necessary.

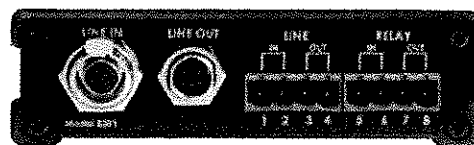
The 8301 also includes a scheduler for automated and precise play of WAV files suitable for school bells and public announcements. Messages may also be triggered manually by placing a SIP call or pressing an optional external call button.

Specifications:

SIP:	50 Page Extensions 10 Alerting Extensions
Multicast:	Receive or transmit
Codec Support:	G.711 A-law, G.711 u-law, G.722, Polycom Group Page. (other codec support available on request).
Processor:	Linux OS ARM Cortex-A8 32-Bit RISC Processor
AUX Input:	3.5mm Jack for analog music input
AUX Output:	3.5mm Jack for headset or PC speakers
Line Input:	Female mini-XLR 10 kOhm balanced maximum level +4 dBu. Transformer isolated internally.
Line Output:	Low impedance balanced output. Line level -10 dBm / 0 dBm / +4 dBu. Transformer isolated internally. Male mini-XLR connector and pluggable terminal block. Frequency response 100-7000 Hz +/- 3dB.
Audio Memory:	1 GByte
WAV Files:	Customizable. Includes chime, gong, bell, warble, barking dogs.
Speech Processing:	ALC, filtering, compression
Audio Delay:	Programmable 1-1000 ms synchronization delay
Page Mode:	Live or cache and release.
Page Zones:	50 Zones per 8301 based on received multicast IP Address, SIP extension dialed, or keypad selection.
Scheduler:	Play specific WAV files at specific times on specific days/dates to specific zones based on selected NTP server time.
Relay Output:	Normally open or normally closed. Max rating 30 V 50 mA.
Relay Input:	Normally open or normally closed dry contact supervision. Algo 1202 Call Button, Algo 1203 Switch, EOL resistor termination.
Discovery:	Cisco Discovery Protocol
Configuration:	Web interface (HTTP or HTTPS) or auto-provisioning server.
Provisioning:	TFTP, FTP, HTTP, HTTPS
Supervision:	SNMP
NAT:	STUN, CRLF Keep Alive
Power Requirement:	POE IEEE 802.3af Class 0 Nominal 2W Maximum 3.9W
Environmental:	+32 to +122 deg F (0 to +50 deg C); Suitable for dry indoor environments only.
Dimensions:	6.5" x 4.3" x 1.3" (16.5 cm x 10.9 cm x 3.3 cm)
Mounting:	Wall mountable or tabletop
Weight:	2.2 lb (1.0 kg)



Front View



Rear View



Wall Mount Bracket

Order Code:

8301 Paging Adapter with Wall Mount Bracket

Optional Accessories:



1202



1203



2504 Output XLR-Mini Female to XLR Male
2505 Input XLR-Mini Male to XLR Female
Other cables available on request



SD72 Series

8" Preassembled Speaker Package



SD72

Specifications

Model	SD72	SD72W	SD72WV
Size	8" (205mm)	8" (205mm)	8" (205mm)
Power Taps	.25, .5, 1, 2, & 5 Watts		
Sensitivity	97dB Average		
Frequency Response	55Hz-19kHz (± 5 dB)		
Dispersion	105° (2kHz Octave Band, -6dB Points)		
Diameter	8 1/8" (205mm)	12 3/4" (206mm)	12 3/4" (206mm)
Depth	2 7/8" (73mm)		

Architect and Engineer Specifications

Unit shall be Atlas Sound 8" loudspeaker Model SD72 utilizing line matching transformer. It shall have a (10oz.) ceramic magnet and a seamless cone. Frequency response range shall be 55Hz-8kHz (± 5 dB). Sensitivity shall be 97dB 1W/1M. Voice coil shall be black anodized aluminum to help dissipate heat, have an impedance of 8 Ω and a diameter of 1" (25mm). Transformer primary voltage shall be 25V/70.7V with a frequency response range of 100Hz-10kHz (± 1.5 dB). Insertion loss shall not exceed 1.5dB.

All models feature standard mounting holes to accommodate the majority of Atlas Sound 8" baffles. All mounting screws are included in the package.

Loudspeaker shall be safety listed to both UL1480 and UL2043 standards.

Features

- 10 oz Dual Cone Speaker Provides Familiar Response & Performance
- Quality 5 Watt Dual Voltage Transformer
- Individually Packaged for Stocking & Ordering Convenience
- Safety Listed to UL1480 and UL2043

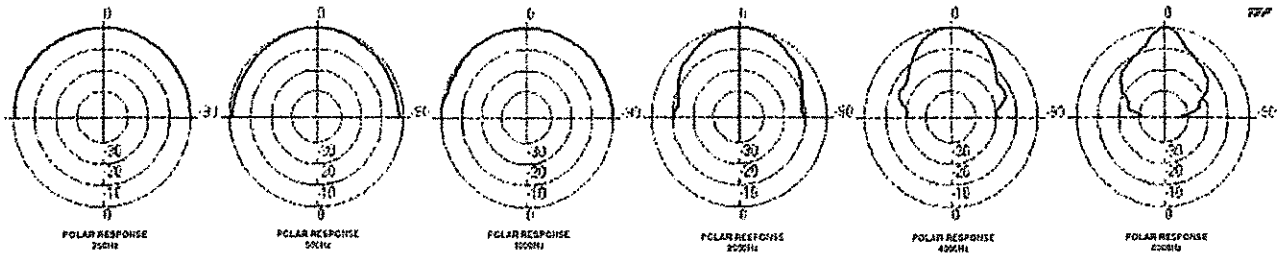
Applications

The SD72 is an aggressively priced, high quality speaker/transformer package suitable for almost any paging or background application including retail stores, restaurants, schools, and other institutional facilities.

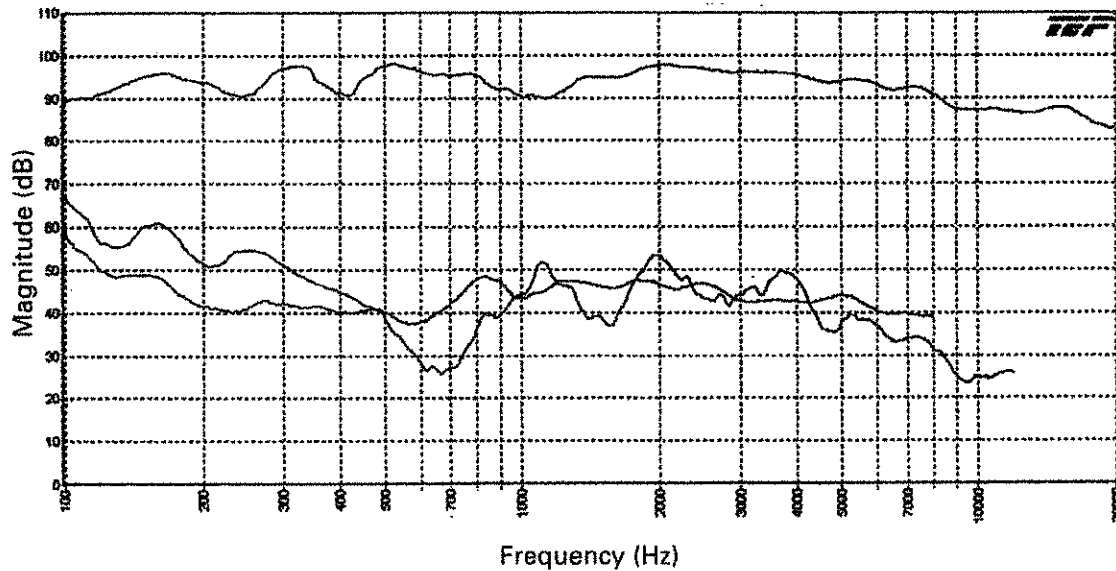
General Description

The speaker used in the SD72 is the next generation of high performance cone loudspeakers, very similar to the preceding C-Series speakers. The similarity in the sonic qualities ensures that contractors and designers who have worked with the Atlas Sound C-Series in the past will know exactly what to expect when they use the SD72. Model SD72 is a dual cone, 25 Watts 8" (205mm) loudspeaker with a 10 oz. (260g) ceramic magnet. It includes a curvilinear, treated paper cone for lower harmonic distortion. The loudspeaker is also equipped with a full 1" diameter copper voice coil with a black anodized aluminum former for better power dissipation. Model SD72 operates within a frequency response range of 55Hz - 8kHz (± 5 dB) with a sensitivity of 97dB and a dispersion angle of 105°. Package includes factory installed 25V/70.7V line matching transformer with tap selections ranging from .25 to 5 Watts. It mounts a wide variety of Atlas Sound round and square baffles and enclosures to meet functional and aesthetic application requirements.

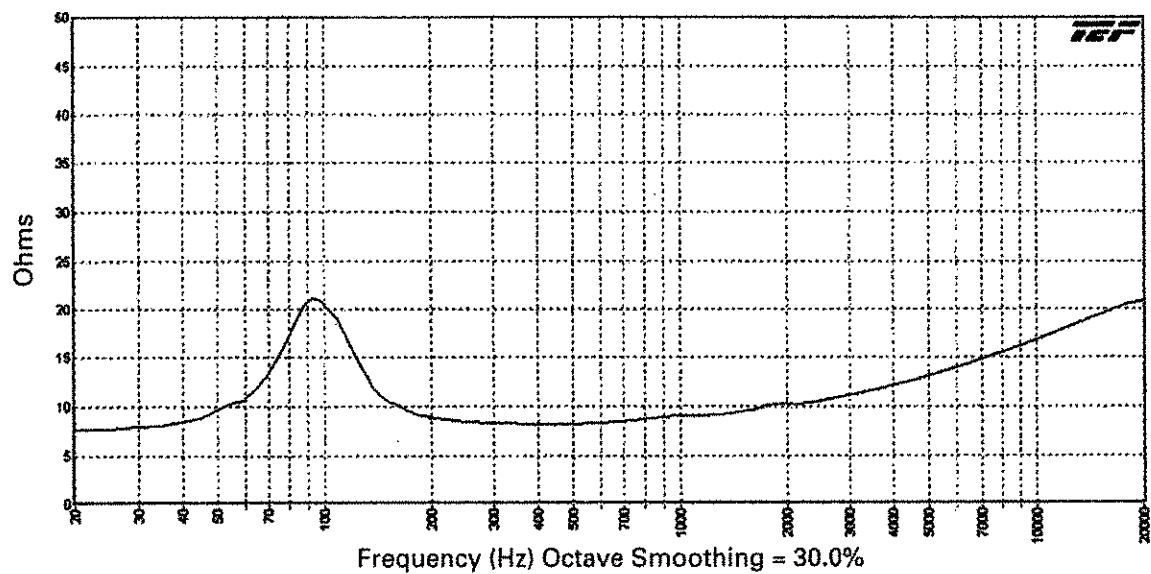
SD72 Polars (Normalized to Zero on Axis) (-6dB)



SD72 Harmonic Distortion

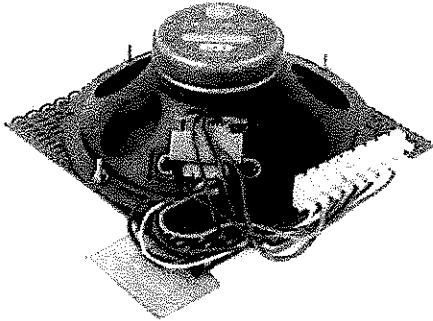


SD72 Impedance

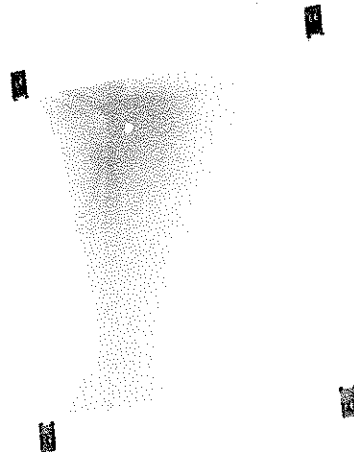


VP14MB & VP14ENC

Vandal Proof Loudspeaker System



VP14MB



VP14ENC

VP14MB Features

- Attractive Design is Suitable for Use in a Variety of Surface-Mount Vandal Proof Applications
- Durable All-steel Construction
- Impermeable Security Grille Protects Speaker
- Attractive Finish
- Includes High-Quality 8" Loudspeaker with 25/70.7V Line Transformer
- Transformer Factory Pre-Wired to Terminal Block

VP14ENC Features

- Wiremold™ 500 & 700 Series Compatible
- Durable All-steel Construction
- Attractive Finish
- 9.5° Sloped Design Offers Directional Sound Projection

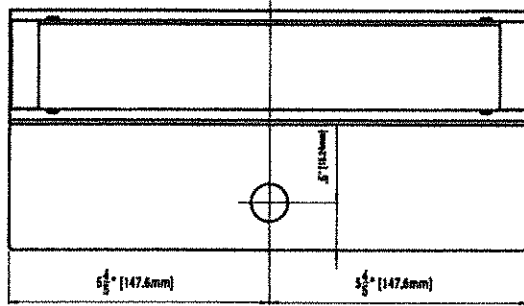
General Description

More and more jobs in secured facilities are using surface mount raceways due to continual building expansions and retrofits. To accommodate for this, the VP14ENC includes an adapter to comply with Wiremold™ 500 and 700 series conduit. This adapter can be installed securely through any of the knockouts that are included on all four sides of the VP14ENC. This provides for a cleaner installation where surface mount raceways are required. All knockouts are finished completely flush before the enclosure is painted making them invisible to any would-be perpetrator.

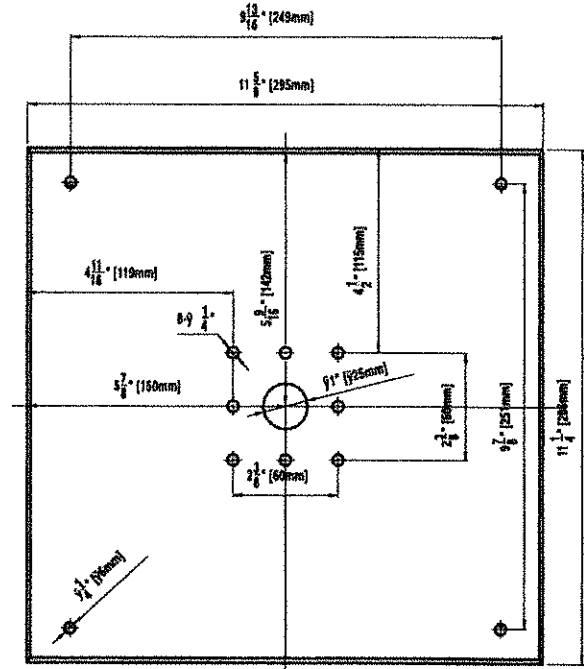
The VP14MB vandal resistant slanted wall mount baffle, finished in attractive white, is ideal for use in high-security areas such as schools and correctional facilities. It's sturdy, 14-gauge baffle construction and specially designed protective labyrinth screen protects the enclosed speaker assembly against abuse. Each package contains a high-quality 8" diameter loudspeaker with a 10-ounce ceramic magnet and pre-assembled 25V/70.7V transformer with five power taps factory pre-wired to the terminal block.

System		
Type	Vandal Proof Loudspeaker System	
Speaker Size	8" (203mm)	
Magnet Weight	10oz (142g) Ceramic	
Voice Coil Diameter	1" (25mm)	
Sensitivity	96dB 1W/1m	
Watts (program)	15	
Frequency Response	50Hz - 15kHz	
Dispersion	105°	
VP14MB Transformer Specifications		
Primary Volts	25 / 70.7	
Secondary	8Ω	
Core Size	1/2" x 5/8" (13mm x 16mm)	
Taps	0.25, 0.5, 1, 2, & 4	
Leads	Color Coded, Stripped & Tinned	
Transformer Tap Setup	25V	70.7V
0.25	Blue	Red
0.5	Brown	White
1	Green	Yellow
2	Violet	Blue
4	Orange	Brown
Common	Black	Black
Enclosure		
Color	White	
Slope	9.5°	
Product Dimensions (HxWxD)	11.25" x 11.625" x 5.29" (286mm x 295mm x 134mm) - Bottom Depth 3" (76mm)	
Net Weight - lbs	5.5 lbs (2.49kg)	
Warranty Coverage		
Warranty Period	5 Years	

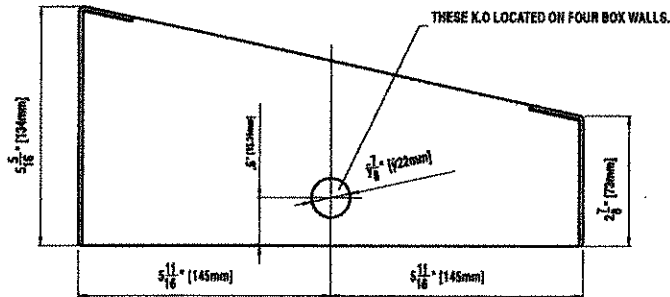
Dimensional Drawings



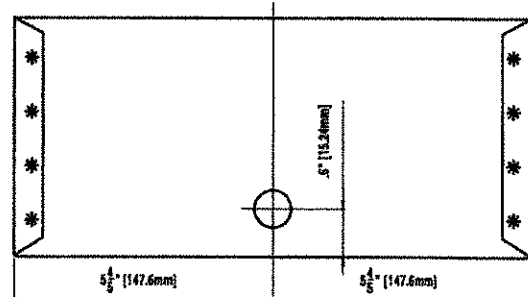
VP14ENC Bottom View



VP14ENC Rear View



VP14ENC Side View



VP14ENC Top View

VP14ENC Knock-Out Mounting Hole Locations

Architect & Engineer Specifications

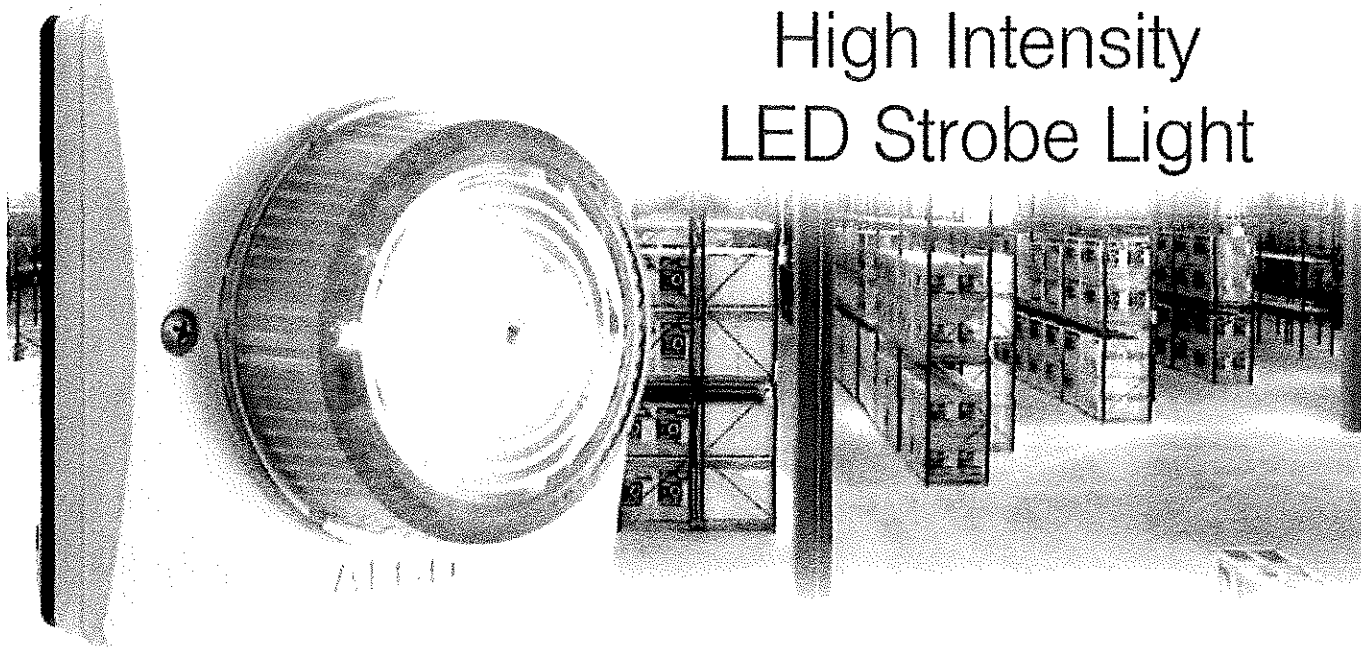
The loudspeaker / transformer package shall be AtlasIED Model VP14MB. The loudspeaker shall be an 8" (203mm) dia., dual cone type with frequency response of 50Hz to 18kHz (± 10 dB). Loudspeaker shall include a factory-wired 25/70.7V transformer with power taps of 0.25, 0.5, 1, 2, and 4 watts.

The baffle shall be treated 14-gauge steel finished in baked white powder epoxy. The system shall utilize an interior steel security screen between the speaker and baffle opening. VP14ENC shall measure 11.25" (286mm) high, 11.625" (295mm) wide and shall have a sloped depth of 5.29" (134mm) at the top down to 3" (76mm) depth at the bottom. The enclosure shall include (1) 7/8" (22mm) planished knockout on each side of the enclosure. Wiremold™ surface mount raceway shall be also compatible with the VP14ENC via the included adaptor. The enclosure shall be 16-gauge treated steel and shall be finished in baked white powder epoxy.

ALGO

1128 LED Strobe Light

High Intensity LED Strobe Light



Bright visual notification of telephone, safety, and security events. Effective and selectable flash patterns radiate light 360 x 180 degrees for visibility in all directions. Alerts employees in noisy locations and eliminates noise in quiet environments.

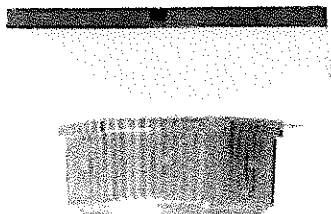
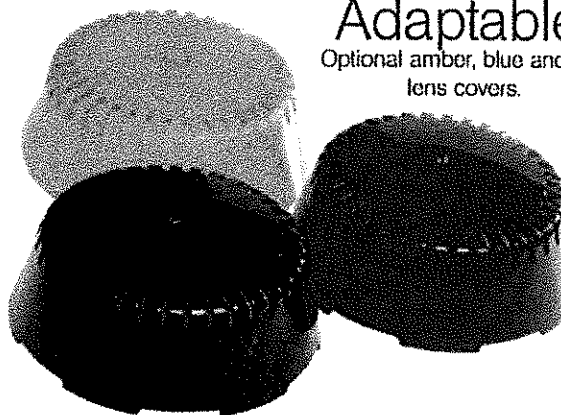
Eight efficient and powerful LEDs provide a range of visible effects. Aggressive flash patterns ensure effectiveness in large noisy industrial areas, while milder flash patterns are suitable for less urgent notification or offices.

Available lens covers in amber, blue, or red provide even more choice for distinguishing telephone and safety events from fire or other alarm systems.

Telephone ring (from FXS port or ATA) or dry contact (relay) activation make the 1128 Strobe Light easy to integrate with any unified communication server or security system.

Adaptable.

Optional amber, blue and red lens covers.



Flexible.

Wall or ceiling mountable.

Features

- > Ring or dry contact activated
- > Selectable flash pattern, rate and intensity
- > Optional amber, blue or red covers
- > Wall or ceiling mountable
- > Weather resistant

Benefits

- > 16 flash patterns suitable for all applications
- > OSHA or ADA compliance
- > Distinguishable from fire alarm
- > Higher efficiency and longer life than xenon strobe lights
- > Notification in noisy or quiet environments

1128 LED Strobe Light

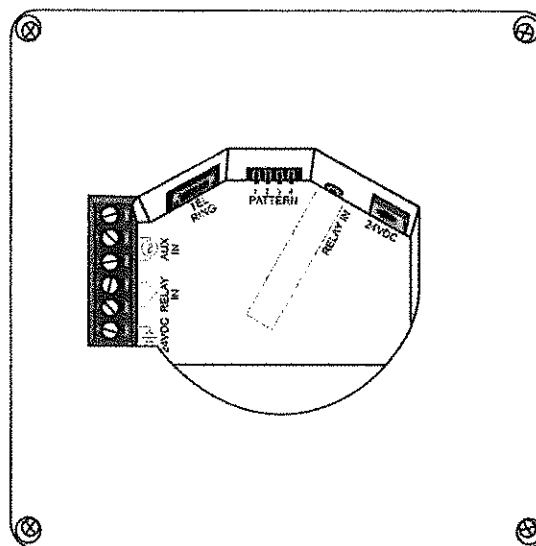
ALGO

1128 Specifications

	Min.	Typ.	Max.	Units
Supply Voltage	12	24	28	Vdc
Supply Current				
Idle		20		mA
Operating (12V)			1000	mA
Operating (24V)			500	mA
Dry Contact Detection				
Contact and Loop Resistance	0		2	kOhm
Open Current Voltage		5		Vdc
Loop Current			1	mA
Telephone Ring Detection				
Ring Detect Voltage 20/25 Hz		20		Vrms
Input Impedance	50			kOhm
Low Voltage Detection				
Input Impedance		4		kOhm
Input Voltage (DC or AC)	3		30	V

Connections

- > Four flash pattern switch located in the wiring cavity
- > Two installation scenarios – “hard wired” or “plug and play”



Flash Patterns

No	Switch	Description	Application		Intensity/Strobe		
			Wall	Ceiling	High	Med	Low
15	1111	Classic strobe slow	✓	✓		✓	
14	1110	Classic strobe medium	✓	✓		✓	
13	1101	Classic strobe fast	✓	✓		✓	
12	1100	Flashing	✓	✓		✓	
11	1011	Side to side	✓			✓	
10	1010	Pulse	✓	✓			✓
9	1001	Steady bright	✓	✓			✓
8	1000	Steady dim	✓	✓			✓
7	0111	Rotating strobe	✓	✓	✓		
6	0110	Multi-strobe slow bright	✓	✓	✓		
5	0101	Multi-strobe slow dimmed	✓	✓		✓	
4	0100	Multi-strobe fast bright	✓	✓	✓		
3	0011	Multi-strobe fast dimmed	✓	✓		✓	
2	0010	Multi-strobe dim holdover	✓	✓	✓		
1	0001	Rotate slow		✓		✓	
0	0000	Rotate fast		✓		✓	

What's Included in the Box

- > 1128 Strobe unit with clear lens
- > Power supply
- > Mounting bracket
- > Gaskets
- > Colored lens cover (if color option ordered)
- > User Guide

Order Codes

1128	LED Strobe Light, clear lens included.
1128A	LED Strobe Light, amber lens cover included.
1128B	LED Strobe Light, blue lens cover included.
1128R	LED Strobe Light, red lens cover included.
1128ABR	LED Strobe Light, amber, red, and blue lens cover included.

DC1128BR-01 March 2014 © Algo Communication Products Ltd. All rights reserved. Algo* is a registered trademark of Algo Communication Products Ltd.
 Note - Specifications are subject to change without notice. Some features may only be available in specific firmware or hardware releases.

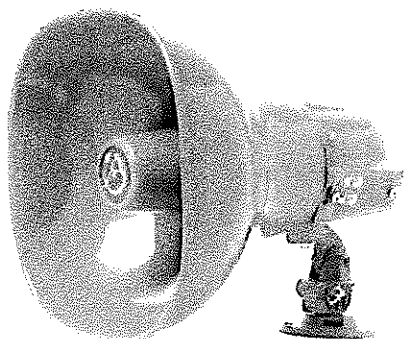
www.algosolutions.com

Algo Communication Products Ltd., 4500 Beedie Street, Burnaby, BC Canada V5J 5L2
 Sales: +1-604-454-3790; sales@algosolutions.com



AP-15/AP-15T(C)

Omni-Purpose® 15 Watt Horn Loudspeakers



AP-15 Series

Specifications

Models	AP-15, AP-15T(C)
Power Rating	15 Watts Continuous
Frequency Response	400 - 14,000 Hz (Nominal) 500 Hz - 6000 Hz (± 5 dB)
Sensitivity	120dB at 15 Watts (Peak) 116dB at 15 Watts/1 Meter (Avg) 500 - 6000 Hz 106dB at 1 Watt/1 Meter (Avg) 500 - 6000 Hz
Dispersion Angle	70° (-6dB, 2000 Hz Octave Band)
Weight	AP-15: 3.5 lbs (1.6kgs) AP-15T: 4 lbs (1.8kgs)
Finish	Baked Epoxy
Dimensions	H 8¾" x W 7¾" x D 9¾"
Temperature Range	-40°C - 70°C

Architect and Engineer Specifications

Loudspeakers shall be Atlas Sound Model _____ (AP-15, AP-15C, AP-15T, AP-15TC) or approved equal. Each loudspeaker unit shall be supplied with integral compression driver and shall be constructed of structural aluminum and ABS plastic with double re-entrant acoustic path and exponentially-flared square bell. The weather-resistant unit shall have a continuous audio power rating of 15 watts. Frequency response range shall be 400-14,000 Hz (Nominal), 500-6000 Hz (± 5 dB). Sound pressure level shall be 116dB (15W/1M), 106dB (1W/1M). Sound dispersion shall be 70 degrees (-6dB, 2000 Hz octave band). Mounting bracket shall allow vertical and horizontal adjustment and include provisions for surface mounting, banding or strapping. Loudspeaker shall have impedance selection, via seven-position switch of 5000, 2500, 1300, 666, 333, 89 and 45 ohms. Power taps shall be available at .48, .94, 1.8, 7.5, and 15 watts for 25V line, 1, 2, 3.8, 7.5, and 15 watts for 70.7V line and 2, 4, 8 and 15 watts for 100V line. Wiring terminals shall be enclosed for security and weather protection. Finish shall be grey or beige (C) baked epoxy as indicated. Dimensions shall be H 8¾" x W 7¾" x D 9¾".

Features

- Superior Intelligibility for Voice and Tone Signaling
- High-Efficiency Driver with Proven Performance Reliability
- Transformer (T) Equipped Version for Versatile 25, 70.7, or 100V Line Applications
- Omni-Purpose® Bracket for Precise Positioning
- Environment Resistant for Outdoor and Indoor Use
- U.S. Trademark Design is World Recognized for Quality and Dependability
- Available in Grey or Beige (C) Finish

Applications

AP-15 and AP-15T environment-resistant loudspeakers are the world standard for high-intelligibility voice and signal transmission in medium-power indoor and outdoor public address, intercom, security and industrial-signal-system applications. Cost effective, 15-watt units incorporate high-efficiency compression drivers to project sound over long distances or wide areas with fewer loudspeakers. The AP-15 Series is recognized throughout the world as "the performance standard" for commercial sound, intercom and protective-signaling systems. Units are commonly installed in commercial buildings, distribution centers, factories, schools, public access areas, civic centers and recreational facilities.

Description

The 8 Ohm Model AP-15 and the transformer-equipped Model AP-15T are double re-entrant loudspeakers which deliver 15 Watts of continuous power handling, superior intelligibility and unparalleled efficiency. The AP-15 Series operates within a nominal frequency response range of 400-14,000 Hz and offers a sensitivity of 120dB at rated power to provide clear voice and signal communication.

Transformer-equipped Model AP-15T includes a versatile, 3-way, 25, 70.7, 100V line transformer to meet a variety of distributed system needs. The transformer is adjustable using Atlas Sound's exclusive Vari-Tap® Connect Center which features a 7-position, watts/impedance selection switch. The labor-saving Vari-Tap® switch is screwdriver adjustable and includes a protective cover with built-in cable strain relief.

The trademarked squared-bell design signifies Atlas Sound quality and reliability. The Omni-Purpose® mounting bracket (supplied on all models) achieves precise positioning in the vertical and horizontal planes with a single adjustment and includes provisions for loudspeaker installation on conventional surfaces as well as for strap-mounting on I-beams or pillars. AP Series loudspeakers are U.S. made to assure superior service reliability. Weather-resistant construction is metal and matching ABS plastic with metal components finished in grey epoxy (standard) or beige epoxy (Model AP-15TC).

The AP-15 Series also includes a 45-ohm Model AP-15-45 and a 4 ohm Model AP-15-4 which are designed respectively for intercom and CB/auxiliary radio applications. (See SL2-1567).

Accessories

BX-2A



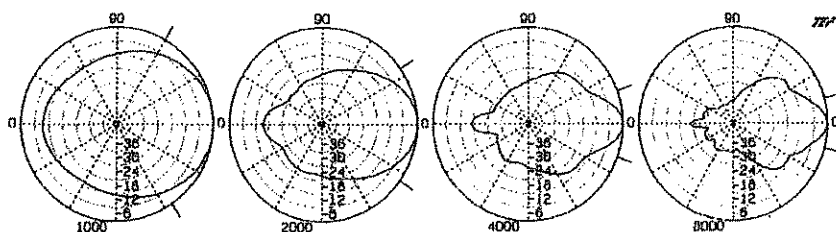
Vandal resistant cover plate for armored cable and conduit connection. Constructed of cast aluminum.

APXBK-N



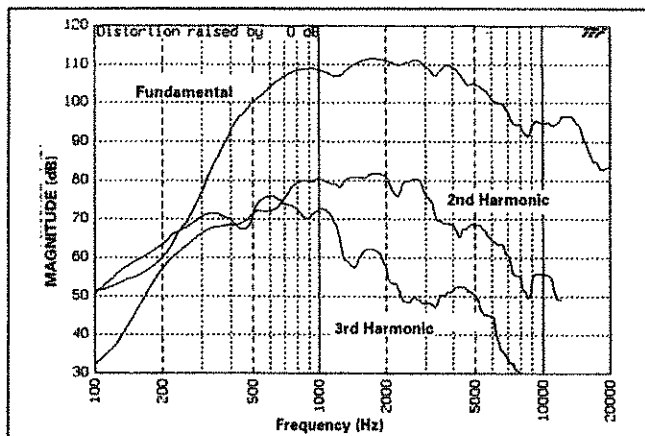
Optional Mounting Base



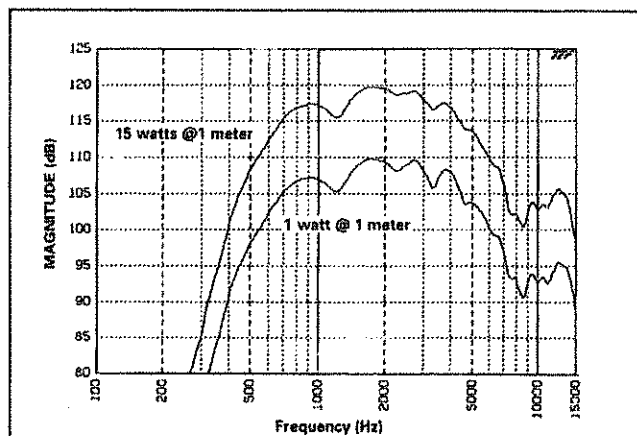


Frequency (Hz)	Q	Di	Beamwidth (Degrees)
1000	5.15	7.12	115
2000	13.90	11.43	70
4000	32.20	15.08	40
8000	39.90	16.01	30

Polars Are Normalized To Zero On Axis



AP-15(T) (Harmonic Distortion - 1.5 watts @ 1 meter)



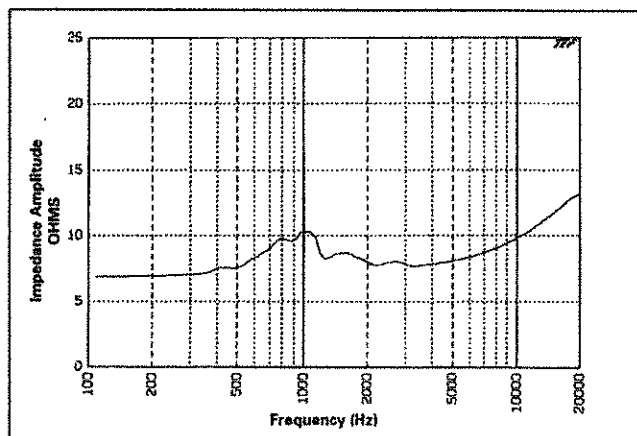
AP-15(T) Frequency Response

DRIVER PROTECTION: The horn loudspeaker should not be operated at frequencies outside the specified range, especially below horn cut-off. It is suggested that any program material be high-passed at 300 Hz with a 6dB per octave filter. This can be done by a low level filter at the amplifier input or by a series capacitor at each loudspeaker. Electrolytic capacitors can be used but they must be non-polarized (See Typical Capacitor Values Chart).

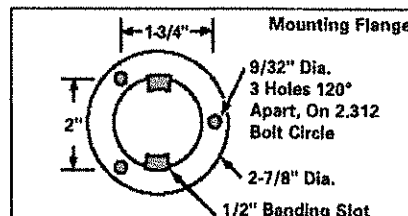
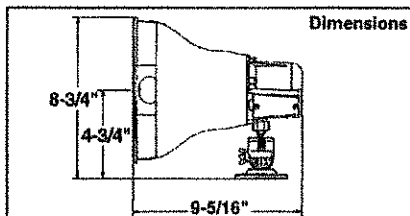
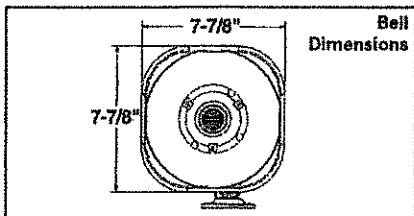
Typical Capacitor Values			
8 Ohm Driver	25 Volt Line	70 Volt Line	100 Volt Line
70 mfd	15 mfd	2 mfd	1 mfd

AP-15T Vari-Tap® Control Connect Center Xfmr. Power Taps				
Switch Position	Impedance (Ohms)	Watts @ 25V	Watts @ 70.7V	Watts @ 100V
1	5000	—	1	2
2	2500	—	2	4
3	1300	.48	3.8	8
4	666	.94	7.5	15
5	333	1.8	15	X*
6	89	7.5	X*	X*
7	45	15	X*	X*

* Do Not Use



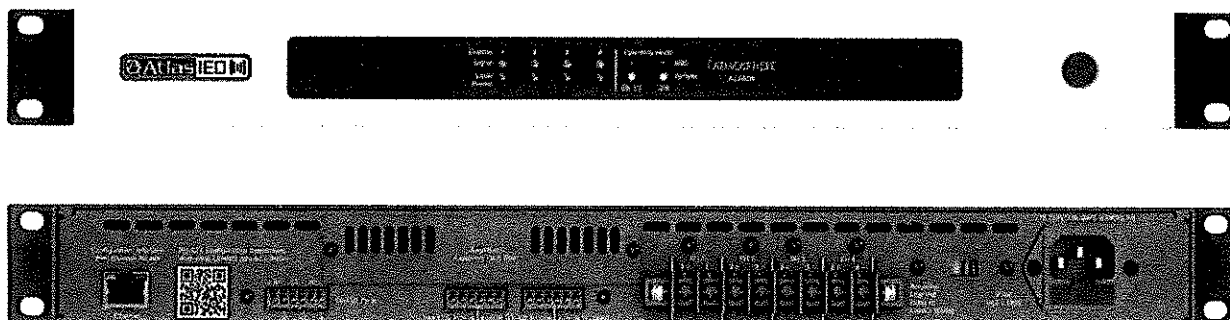
AP-15 (Impedance Sweep)



Atlas Sound products are designed and tested in our well-equipped research laboratory which contains a fully anechoic chamber, complete analog Bruel & Kjaer measurement equipment and Techtron® TEF 20® audio analyzer. Atlas Sound is proud to be a beta site for TEF software.

AZA804

Multi-Channel Network Amplifier



Features

- 4 Amplified Channels
- AZA804 Configuration Power Levels
 - 4 x 200-Watt 70V (Factory Default)
 - 4 x 200-Watt 100V
 - 4 x 150-Watt @ 8Ω
 - 4 x 100-Watt @ 4Ω
 - 2 x 200-Watt 70V/100V & 2 x 150-Watt @ 8Ω
 - 2 x 200-Watt 70V/100V & 2 x 100-Watt @ 4Ω
- Integrates with Atmosphere AZM Zone Master
- Energy Efficient
- Convection Cool / Fan Assist
- Accepts Low Z & Hi Z Loads
- Onboard Web UI for Remote Monitoring of Status & Levels
- Front Panel Power Switch Disable
- APD - Auto Power Down with Audio Sense Turn On
- Dante™ Optional Accessory Card Slot

Applications

AZA Series amplifiers integrate with Atmosphere signal processors which makes them ideal for use in restaurants, presentation rooms, classrooms, conference rooms, and retail background / foreground music applications.

General Description

The AtlasIED Atmosphere AZA804 four-channel amplifier is designed to interface with the Atmosphere family of products, such as the AZM series of processors. The AZA amplifiers can be configured in three different configurations to meet the design requirements of any installation. These AZA models are factory preconfigured in a four-channel, 70V mode. If the design requires four channels of low impedance amplification, the AZA amplifiers can be configured as four-channel models with either 4Ω or 8Ω load impedances. Many system designs require both low and high impedance amplification. These AZA models can be configured to deliver 70V / 100V for a paging / background system on two (2) channels plus two (2) additional 4Ω or 8Ω amplifier channels for foreground stereo application.

These AZA models come standard with four (4) balanced line inputs and an accessory slot for an optional four-channel Dante™ receiver card (model DPA-DAC4), giving the AZA404 and AZA804 a total of up to eight (8) inputs. All inputs can be mixed and routed to any of the four amplifier channels. All four (4) amplifier channels have an assortment of advanced DSP tools.

The AZA804 is ready to use out of the box in four-channel, 70V mode, with no configuration or network connectivity required, making them easily paired for use with AtlasIED Atmosphere Signal Processors.

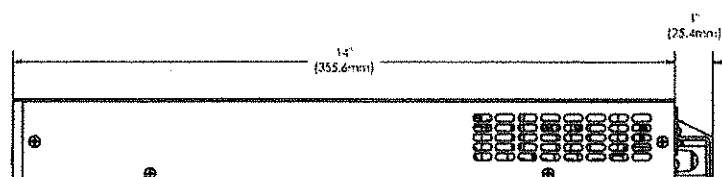
System	
Type	800-Watt 4-Channel Configurable Network Digital Commercial Power Amplifier
Power Supply Type	Global Switch Mode
Amp Topology	Class AB Hybrid-BASH
Number of Fixed Inputs	4
Accessory Inputs	4 (Optional Accessory Card Required)
DSP Internal	Yes
Network	Ethernet
Optional Card Slot	Yes x 1
Output Power (Note 1)	
100V x 4 CH	200W
70V x 4 CH (Factory Default)	200W
8Ω x 4 CH	150W
4Ω x 4 CH	100W
2Ω x 4 CH	NA
8Ω Bridge	NA
4Ω Bridge	NA
100V x 1 + 8Ω x 2CH	200W / 150W
70V x 1 + 8Ω x 2CH	200W / 150W
100V x 1 + 4Ω x 2 CH	200W / 100W
70V x 1 + 4Ω x 2 CH	200W / 100W
Factory Default Settings (As Shipped)	
Amplifier Configuration	4 CH 70V Mode
Level Controls Assignment	Front Panel
I/O Matrix	Input 1 Routed to Output 1, Input 2 to Output 2, Input 3 to Output 3, Input 4 to Output 4
Level Position	DSP Set to 0dB
EQ & Filters	DSP High Pass Filters Set to -3dB 20Hz, EQ Filters Flat
Limiter	0dB (Max Power)
GPIO Control Ports (Rear Panel)	Remote Level, C1 Assigned to Output 1, C2 to Output 2, C3 to Output 3, C4 to Output 4
Auto Power Down (APD)	Disabled
Inputs	
Input Quantity	4 Balanced Inputs, Expandable to 8 via Dante Accessory Card
Input Type (Line Balanced or Unbalanced)	Balanced
Input Impedance	40kΩ
Input Sensitivity	750mV Balanced, 0dBu
Maximum Input Level dBu & Vrms	14dBu, 3.82V
Input Connectors Type	3.5mm Euro Block
Accessory Slot	4 Input Dante™ Digital Card (DPA-DAC4)
Level Control	
GUI Control	PC (Requires Ethernet Cable), iPhone®, Android® Using a Standard Web Browser
Status Indicators	
Power	Blue
Standby (Remote Turn ON)	Blinking Blue, Front Panel Only
Output Signal	Green
LED Bar Meter	GUI Only
Output Limit / Protect	Red
4Ω / 8Ω	Yellow, CH 1/2 & CH 3/4
70V / 100V Operation	Yellow, CH 1/2 & CH 3/4
Output Mute Status	Flashing Red

DSP Elements	
IO Routing	Matrix Mixer
Hi & Low Pass Filters	One Per Output, Adjustable Slopes and Frequencies
EQ	5 Parametric Filters Per Output
Delay	60mS Per Output
Limiter	Each Output up to 12dB of Assignable Limiting
DSP Frequency Type	48k, 24bit
Interface Control Ports	
USB	No
Ethernet	GUI Access, RJ45 Rear Panel
Wi-Fi	No
Bluetooth	No
GPIO Ports	
Location	Rear
GPIO Ports	Qty 4, Remote Level & Mute Functions, Assignable, PHX Connector
Connection	Euro Block PHX Type 3.5mm, 6 Pins, Ground, +10VDC, C1, C2, C3, C4
Functions	Mute, Remote Level (Assignable)
Output Terminals (Speaker)	
Output Connectors Type	Screw Terminal Barrier Strip with Cover
Output Connectors Number of Terminals	8, M4 Thread
Output Connectors Fixed or Removable	Fixed
Wire Size	18-10 AWG When Using Yellow Spade Lug 0.250 Terminal, Qty 8 Included (Class 3 Wiring Required)
Terminal Spacing	0.300" (762mm)
Current Rating	25A per Terminal
Cooling	
APD Standby, Active Idle	Convection Cooled
In Use	Convection Cooled with Variable Speed Fan Assist
Cooling Air Flow Direction	Rear to Front
Electrical Specifications (General)	
Total Harmonic Distortion 1 kHz and 1dB Below Rated Power	Typical, 0.2%
Frequency Response	20Hz - 20kHz (DSP Filters Set to Flat)
Signal to Noise Ratio	>100dB Below Rated Output (A-weighted)
Damping Factor (20Hz to 400Hz)	100 (Measurement is Limited Due To DSP)
Slew Rate	40V/us
Crosstalk	73dB @ 1KHz, CH1-2 & CH 2-1, CH3-4 & CH4-3
Protection	Hi / Low Input Voltage, Thermal, Short, Over Current
Max Output Peak Voltage 100V Mode	140V
Max Output Peak 4Ω Mode	7A
AC Power Requirements	
Operating Voltage	110V - 120V & 220V - 230V 50/60Hz, Auto Voltage Sense
Mains Interface	IEC 15A Receptacle
Power Cord (Included)	1.5m, IEC C13 to NEMA 5-15P Plug, 18AWG
Minimum Power-Up Voltage	90V
Maximum Operating Voltage	264V
Recommended AC Mains Current Requirements	5.3A (Speech & Background Music), 15A (Max Usage)

Power Consumption / Current Draw (Note 5)	Amps	Watts	BTU / hr (Note 4)
Sleep Mode	90mA	4W	12 BTU
Standby / APD Mode (Note 2)	225mA	18W	56 BTU
Idle Active Mode (Note 2)	650mA	40W	126 BTU
Average Power 4Ω, All Channels Driven (Note 3)	3.7A	270W	964 BTU
Average Power 70V, All Channels Driven (Note 3)	5.3A	425W	1280 BTU
Max Power 4Ω, All Channels Driven (Note 4)	9.5A	794W	2369 BTU
Max Power 70V, All Channels Driven (Note 4)	15.9A	1362W	3692 BTU
Dimensions and Weight			
Rack Mount Requirements	1 RU, 19"		
Dimensions - Unit	W 19" x H 1.77" x D 15.5" (483mm x 45mm x 394mm)		
Dimensions - Shipping	W 24.5" x H 3.5" x D 18.7" (635mm x 89mm x 477mm)		
Weight - Unit	13 lbs. (5.92kg)		
Weight - Shipping	17.4 lbs (7.94kg)		
Agency Approvals			
North America Agency	TUV		
Testing Standard North America	62368-1		
FCC Class A (Conducted & Radiated Emissions)	Part 15 of the FCC Rules		
RoHS / WEEE Compliant	Yes		
CE	Yes		
Optional Accessories			
AZA IP Discovery Software	Yes		
DPA-DAC4	4 CH Dante™ Receiver		
DPA-AMIX	(2) Mic / Line, (2) AUX Input Card		

Notes:

1. Power level measurement is defined as follows: 1KHz Sine wave signal burst of 20 cycles (20mS) at 1% THD+N, followed by 480 cycles of a 1kHz sine wave at 10% of the max power. Other power measurements are available upon requests.
2. Power measurement with Ethernet connected. Without Ethernet connected deduct 0.2W
3. Average Power is defined as Pink Noise input signal applied to achieve 1/4 of the 4 Ohm or 70.7V power rating.
4. Max Power is defined as 1 KHz input signal applied to achieve the maximum power output before clipping into a 4 Ohm or 70.7V load.
5. BTU is calculated by the AC Mains Power consumed minus the total power output measured at the specified load and condition, multiplied by 3.412. Example: 785 Watts from the AC Source - 600 Watts Total Output power = 185 x 3.412 = 631 BTU



Architect and Engineer Specifications

The AZA804 amplifier shall be ready to use, out of the box in four-channel, 70V mode, with no configuration or network connectivity required. The AZA804 shall be ideally suited to be used with AtlasIED Atmosphere Signal Processors. The AZA804 shall be configurable as four-channel high impedance 70V / 100V or four-channel low impedance 4Ω or 8Ω or two-channel low impedance 4Ω or 8Ω and two-channel high impedance 70V / 100V mode. The I/O router shall be configured as follows: Input 1 routed to Outputs 1, Input 2 to Output 2, Input 3 to Output 3 and Input 4 to Output 4. This out of box configuration will not require a computer or network to operate.

The performance specifications shall match or exceed the following:
 70V / 100V = 4CH x 200W; 8Ω = 4CH x 150W, 4Ω = 4CH x 100W;
 70V / 100V = 2CH x 200W & 8Ω = 2 CH x 150W;
 70V / 100V = 2CH x 200W & 4Ω = 4CH x 100W;
 (reference specifications Notes 1-4); Input Sensitivity 750mV Balanced, 0dBu; Input Impedance Balanced 40K Ohms; Max Input Level channels 1-4, +14dBu, 7dBu inputs 5-8 with Dante™; THD 1% at rated output, .2% Typical; Frequency Response -3dB 20Hz @ 20kHz (DSP set to flat); Signal to Noise Ratio -100dB Below Rated Output A Weighted; Crosstalk >70dB @1kHz; Protection circuits = Thermal, Short, Signal Limiter; Sleep Mode (Ethernet Active) 3.5W, 12BTU; Standby/ADP mode 14W, 48BTU; Max Power All CH driven 70.7V/100V (default mode) = 704W, 390BTU. Dimensions: 1 x RU, 19" W x 1.72" H x 15.5" D. Weight 13.1 lbs.

The power amplifier shall have a front panel power switch and three states of idle power: Idle Active Mode, Sleep Mode, and Standby Auto Power Down (APD) Mode. Each mode shall have an LED indicator on the front panel indicating the power status. When in Sleep Mode, the Ethernet shall remain active for access to the amplifiers on board UI.

The amplifier shall include convection cooling with dynamic fan assist for extreme conditions. If the unit is not being used or in Standby mode, the fan shall not be needed for cooling and shall remain Off until the unit is in heavy use. As heat is generated in the amplifier during use, the fan shall activate at a low speed and increase as needed to maintain the amplifier at safe operating temperature. The amplifiers air flow shall be from rear to front.

The front panel controls shall consist of power switch that is defeatable in the UI. Each channel shall have LED indicators for Signal and Limit / Protect / Mute. The four-channel output operating mode shall be displayed to the right of the output indicators by 4 multicolor LEDs. These indicators illustrate if Channels 1 and 2 and 3 and 4 are low impedance 4Ω or 8Ω or 70V / 100V output. Amplifier operation mode settings shall be completed using the internal DSP UI.

On the rear panel, the amplifier shall have an IEC AC receptacle that operates from 110V - 120V & 220V - 240V and shall automatically sense the AC Mains voltage and change voltage settings. A removable AC Mains fuse shall be provided for protection.

The rear-mounted input connectors for inputs 1 - 4 shall be individually removable 3-way 3.5mm Phoenix type connectors that accept balanced line input signals (+) (-) and (GND) pins and will support unbalanced signals by connecting the (-) and (GND) pins together. The amplifier configuration and I/O Routing shall be done in the UI. Any Input shall be capable of being routed to any Output.

The rear-mounted Output connector shall be a screw terminal block type for connecting speakers to the amplifier. The recommended wire to use shall be Class 3 rated, 14-gauge wire or lower for speaker wiring. Amplifier output channel configurations shall be done in the amplifier UI. The amplifier shall be shipped with two speaker output terminal covers for safety. Included in the carton with the amplifier shall be eight (8) spade crimp terminals that accept 12-gauge wire and four (4) security cover screws (M3 x 8mm). Terminal block screws shall be M4. The amplifier shall be pre-configured at the factory for four-channel 70.7V / 100V mode.

The amplifier shall have one (1) rear mounted Accessory Card Slot to add accessory modules. Accessory modules shall make available 4 additional inputs (for a total of 8) that can be routed to any of the four output channels. The DPA-DAC4 optional accessory card shall include a four-channel Dante™ Digital Audio inputs.

The amplifier shall have a rear-mounted Ethernet connector to connect to a Local Area Network (LAN), computer, or router / switch using a standard RJ45 cable to access the amplifiers control settings.

When network enabled, the amplifier shall have a UI home page with Output active meters, Output Configuration indicators and Network settings. All four amplifier channels shall have an assortment of DSP tools.

The amplifier shall have four (4) rear-mounted Control Ports to allow assigned / configured Remote Level or Mute functions to be activated by external contact closure relay or controlled by voltage. Each Control Port pin shall be assigned to one function such as Mute or Level, but not both. Control Port assignment shall be done in the UI Mute, Link, Port Assignment Page. The factory default assignments for the Amplifier Control Ports are assign as a Remote Level & shall be as follows: C1 controls Output 1, C2 controls Output 2, C3 = controls Output 3, C4 controls Output 4. The Control Ports shall provide +10V and GND connections for Remote Level Control Port using 10kΩ Linear Taper pots.

The AZA804 amplifier shall be ready to use, out of the box in four-channel, 70V mode, with no configuration or network connectivity required. The AZA804 shall be ideally suited to be used with AtlasIED Atmosphere Signal Processors

The amplifier shall be an AtlasIED AZA804.

Tab 6
Alternate Bid

Division 27

Consider IT Solved

Network Operation Center 400 Green Acres Dr., Sandusky MI 48471
www.d27.io | 810-442-8603 | office@d27.io

FCC SPIN#: 143051365

Alternate Bid

One of the disadvantages of the proposed system, while it is the most economical, is that it can present some difficulties when it comes to managing the systems. Once you get used to it, they will diminish, but there are 5 different IP addresses to log into and make changes. While the segmentation is good since each area has it's own functionality, it can be challenging to maintain 5 IP addresses, passwords, etc.

In our alternate bid, we suggest a low cost system by the name of Wahsega. An American company based out of Atlanta. When we first partnered with this company, we ordered our demo equipment and unlike other Technology Solutions (not just paging), our engineers had everything setup and fully functioning within 10 minutes. We really like the intuitive interface and well thought out placement of go-to items.

One advantage over this system is that instead of 5 different IP addresses to log into and manage, you will have 1 single controller that maintains the entire district. All scheduling, zoning, announcements, everything under 1 umbrella. One additional advantage, is in the base bid system, if you needed to engage two zones independently of each other, you can only do 1 at a time. With the Wahsega system, you can run all independent zones simultaneously. The disadvantage of this system is there is a cost every 3 years of approximately \$7,497 or approximately \$2,500/year. The other disadvantage is their primary solution is around IP speakers, which means they only make a single zone adapter and we would have to install an amplifier for every zone. In the case of Clintondale, we would need 10 amplifiers vs the 5 originally proposed.

By choosing the Wahsega system for the "heart" of the system, this would:

Add \$10,596.00

Total Alternate Bid: \$210,520.35

***Please note the license would need to be renewed every 3 years at an approximate cost of \$7,500.*

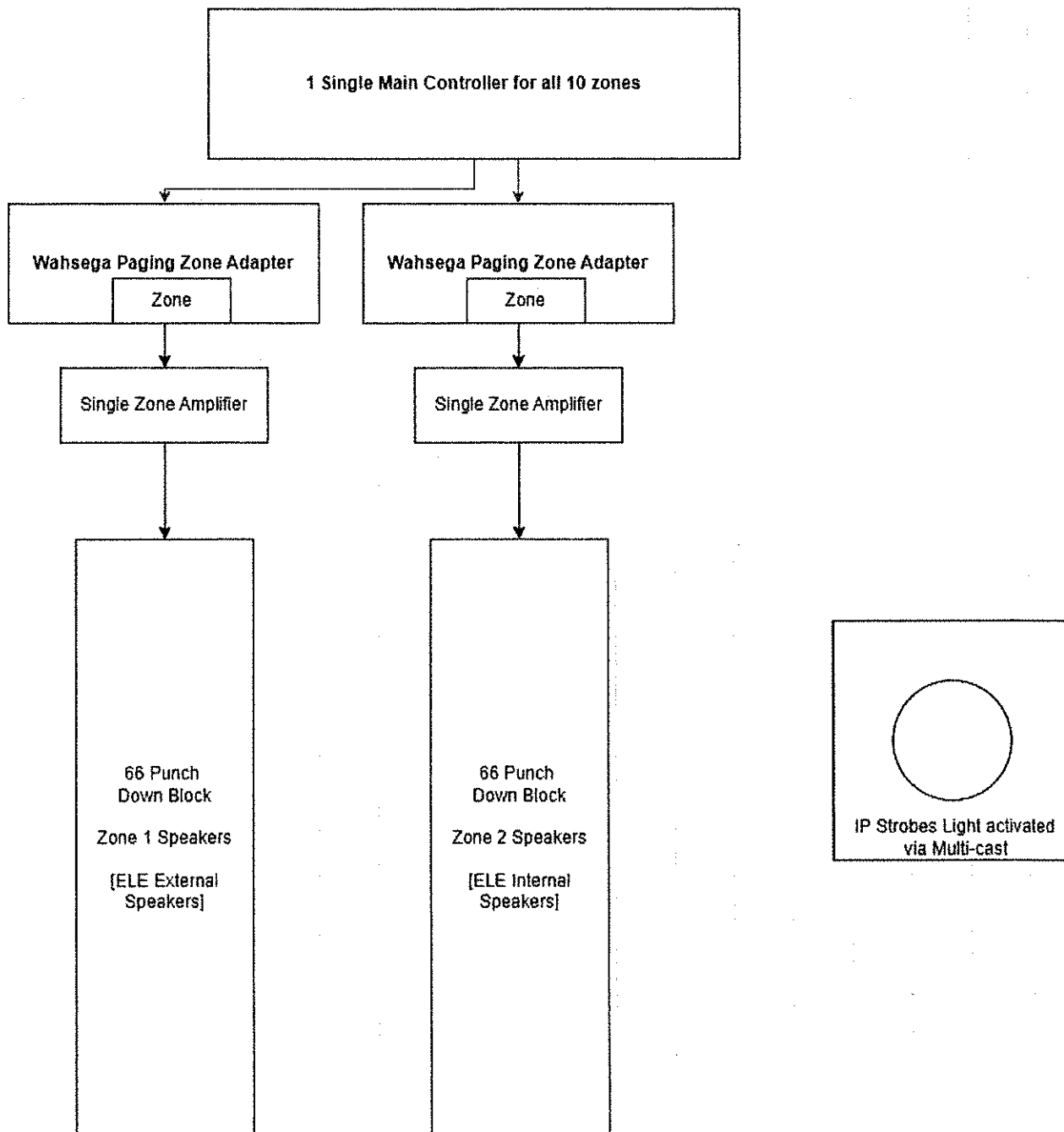
Division 27

Consider IT Solved

Network Operation Center 400 Green Acres Dr., Sandusky MI 48471
www.d27.io | 810-442-8603 | office@d27.io

FCC SPIN#: 143051365

Alternate Bid System Engineering Drawings Parker Elementary



Division 27

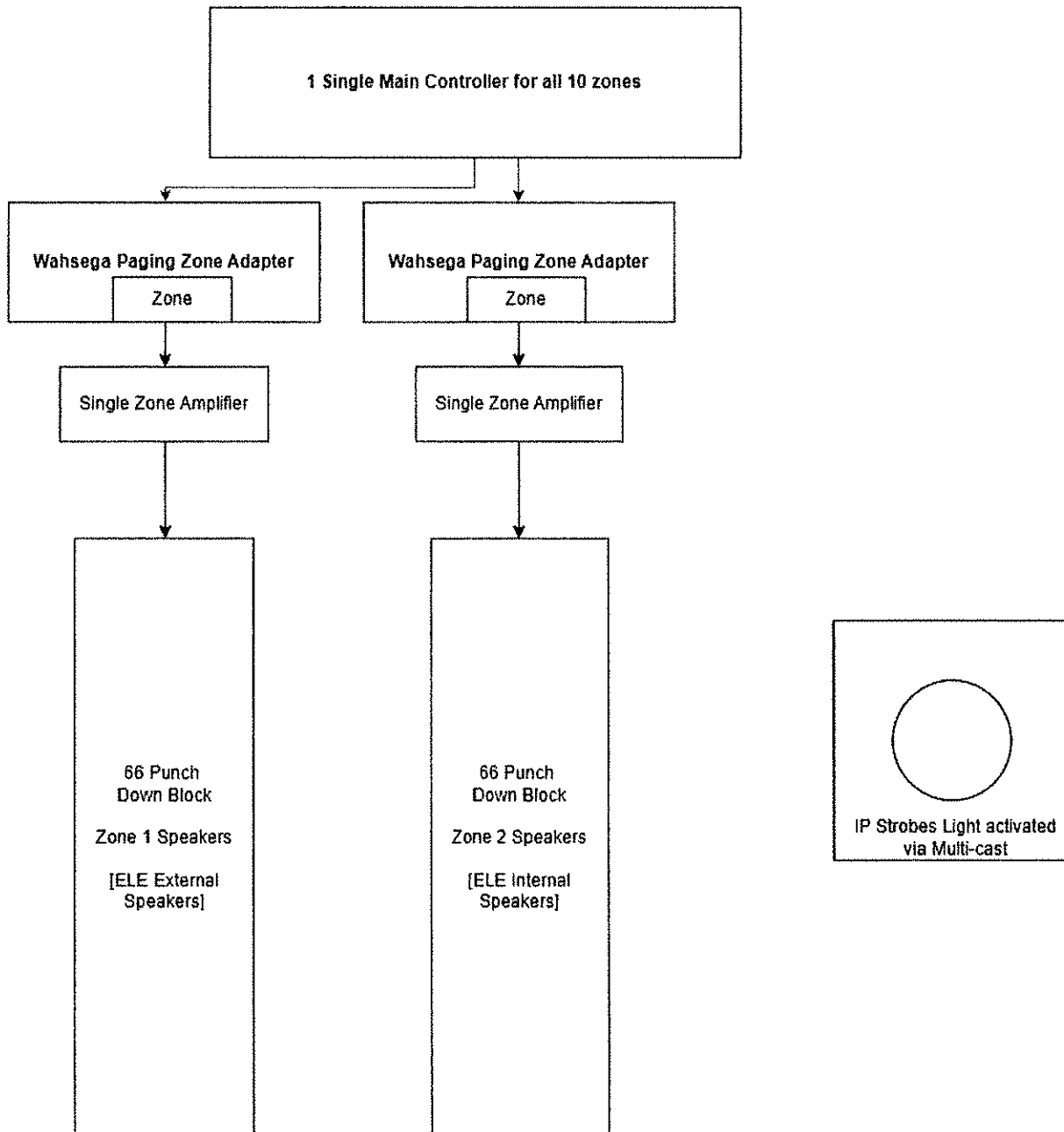
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FCC SPIN#: 143051365

Alternate Bid System Engineering Drawings

McGlennen Elementary



Division 27

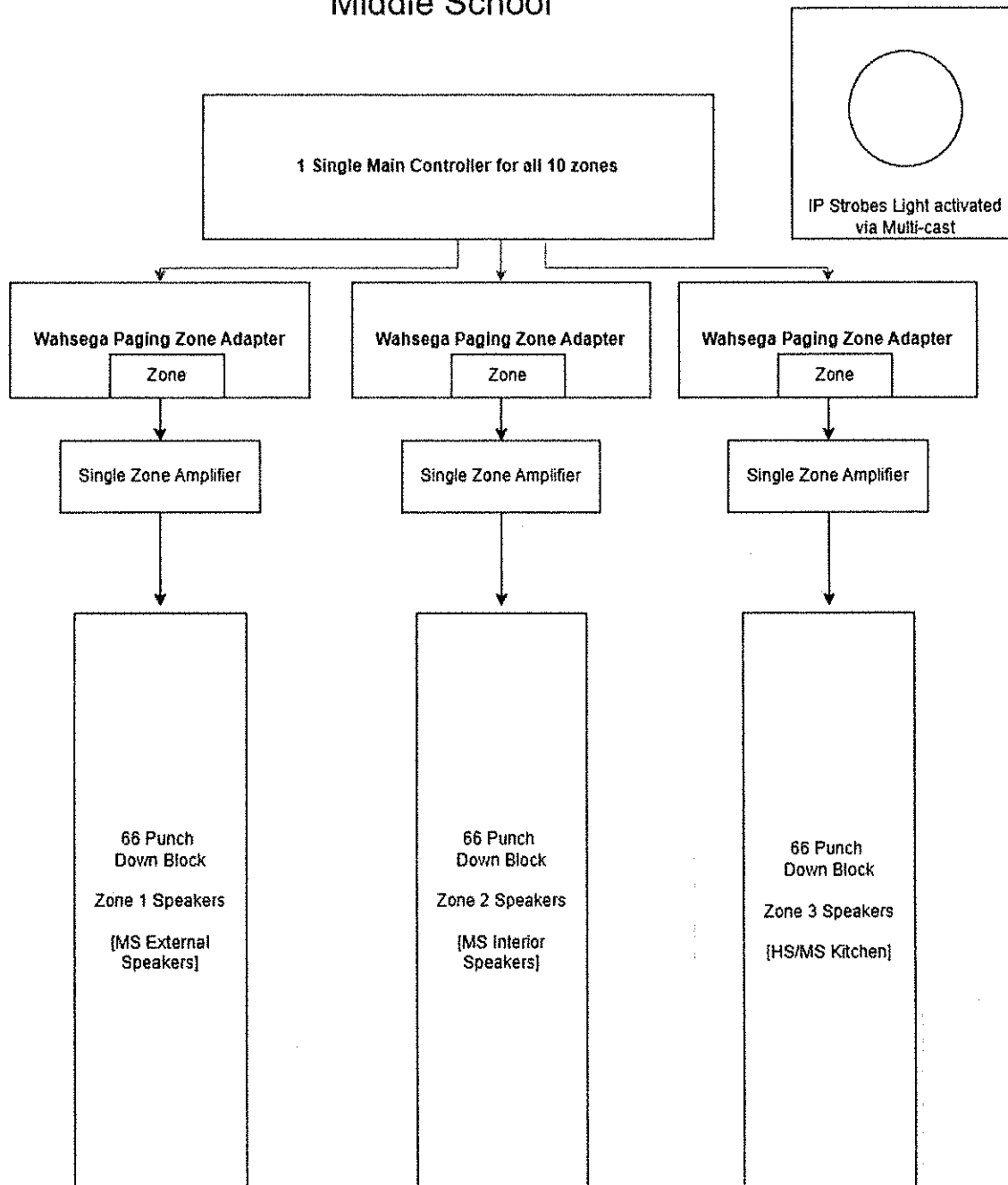
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FCC SPIN#: 143051365

Alternate Bid System Engineering Drawings

Middle School



Division 27

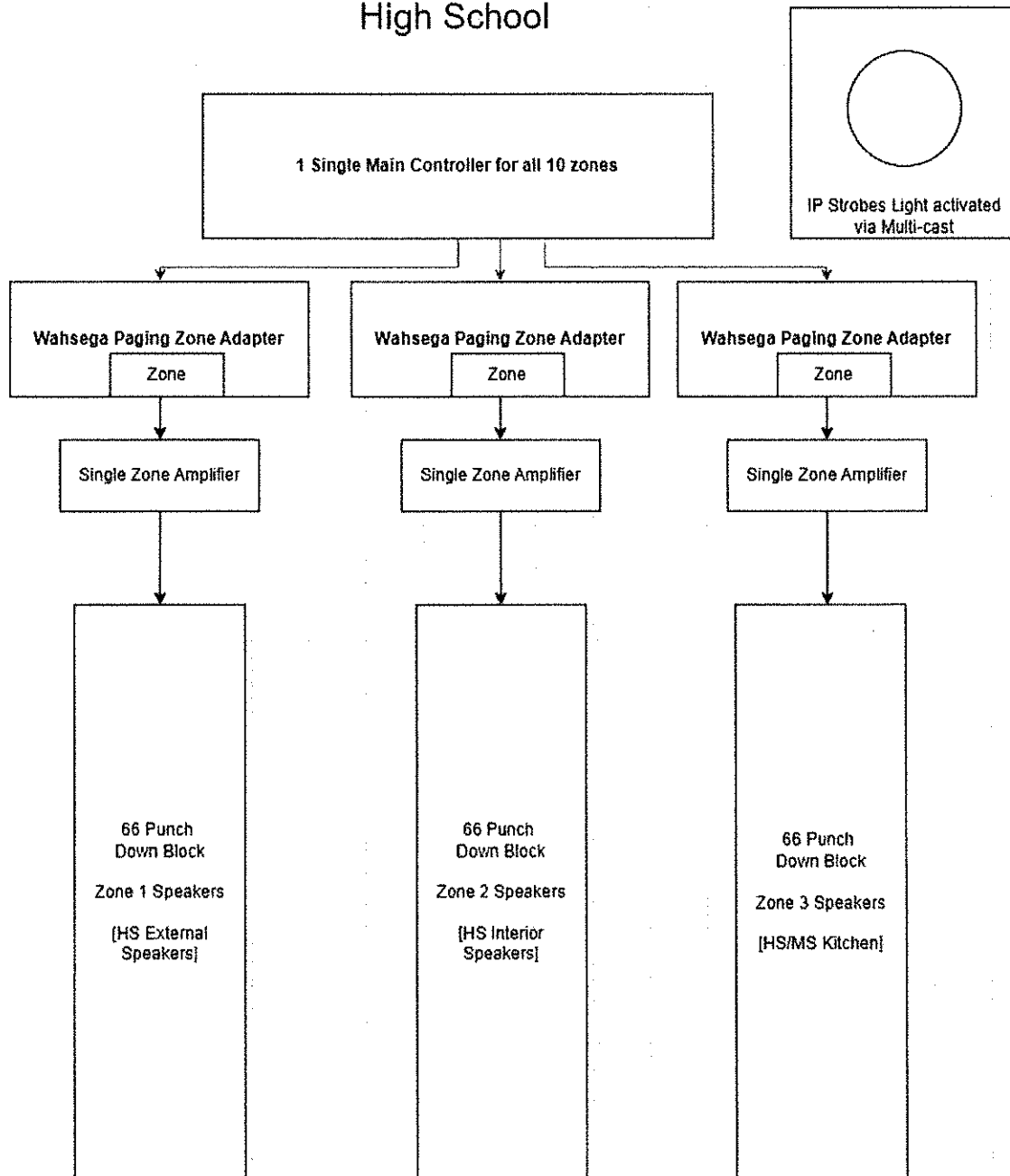
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Alternate Bid System Engineering Drawings

High School



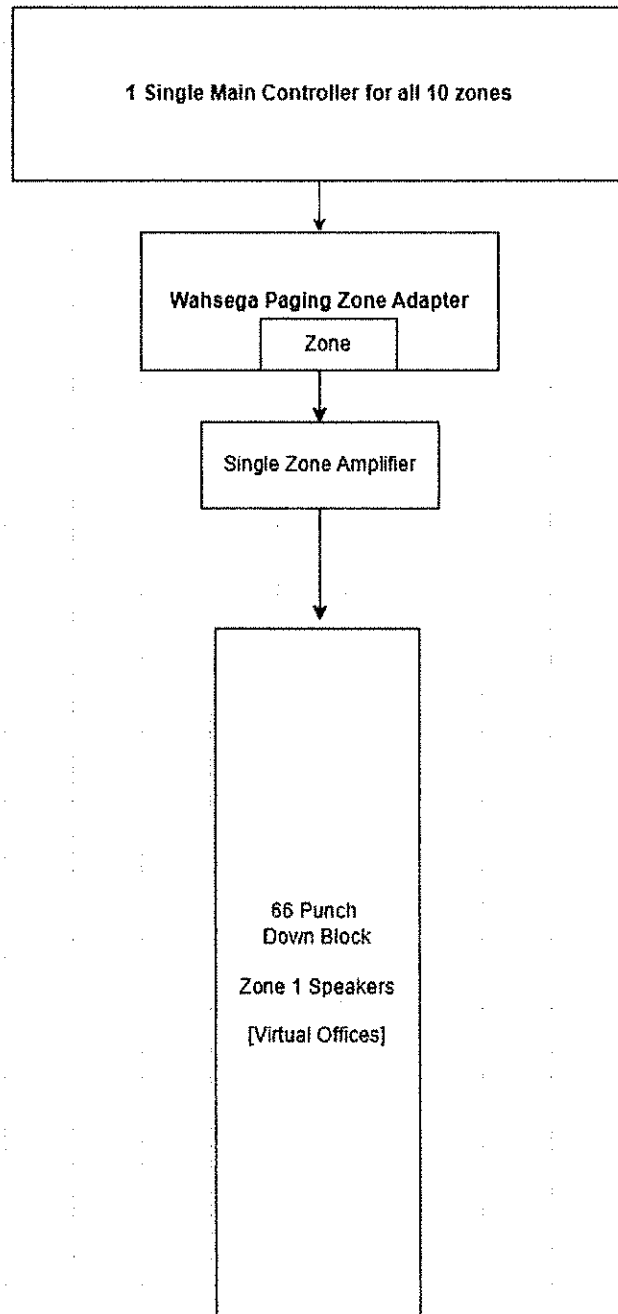
Division 27

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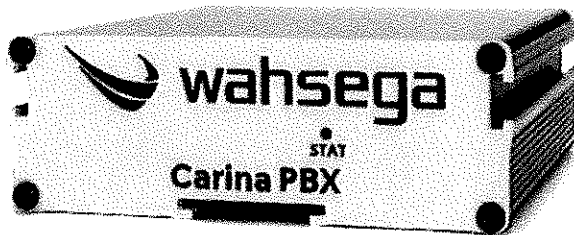
FCC SPIN#: 143051365

Alternate Bid System Engineering Drawings Virtual School



Tab 7

Descriptions/ brochures for Alternate proposed
solution



Carina PBX

Model No: WL-PBX-CAR

Description

Wahsega's Carina PBX is a powerful IP PBX appliance that allows larger organizations to set up their own SIP phone system with Wahsega devices or it can be used to integrate with existing IP PBX systems via SIP trunking to eliminate expensive third-party SIP license fees. In addition to Wahsega endpoints, the Carina PBX supports any SIP device allowing the use of third-party SIP phones and endpoints.

With a built-in DHCP Server, the Carina PBX can also be an integral part of a truly isolated VoIP network when security or access is a concern. In addition, the Carina PBX integrates seamlessly with the Carina Event Manager to provide a complete paging solution.

Key Features

- Up to 256 registered SIP VoIP clients
- Support for 2 independent external gateways
- Up to 64 Ring groups and hunt groups
- 2 concurrent calls to external gateways
- Discoverable via SSDP in Windows Explorer
- Fully configurable via simple, built-in web pages
- Built-in DHCP server
- Automatic registration with Carina Event Manager
- Remote firmware upgradeable
- Fast boot time
- Software/configuration reset button
- Multiple mono codecs to choose from
- 10/100 Ethernet port with Power-over-Ethernet (802.3af PoE)
- +9V to +16V DC input (if not using PoE)
- Lowest power consumption of any IP PBX in the market (<2W)

Job Name:

Date:

Location:

Notes:

Carina PBX

Model No: WL-PBX-CAR

Specification Submittal

Specifications

- Ethernet: 10/100 Mbps
- Protocol: SIP RFC 3261 compatible
- Power Input: PoE 802.3af or +9-16V DC input
- Audio Codecs: G.711, G.726 (16/24/32/40kbps), G.722, G.729
- Current Draw: <2W
- Impedance: 600Ω
- Max Cable Length: 100m (per standard)
- Temperature Range: -40C to +60C
- Output Trim Range (web configurable): +4dBu to -10dBV nominal
- Construction: Aluminum extrusion with aluminum faceplates
- Dimensions: 1.66" H x 4.75" W x 5.30" D
- Weight: 0.93lb
- Regulatory Compliance: FCC Class A
- Warranty: 3 years limited

Installation

- Connect your PBX to your PoE (Power over Ethernet) with a Cat5e or Cat6 cable for power.
- Place on a 1U Server Rack Shelf
- [Initial PBX Setup video](#)
- [How To Create an Extension in the Carina PBX video](#)

Compatibility

- Carina Event Manager: WL-EM-CAR
- Carina Event Manager Lite: WL-EM-CAR-LITE

Job Name:

Date:

Location:

Notes:



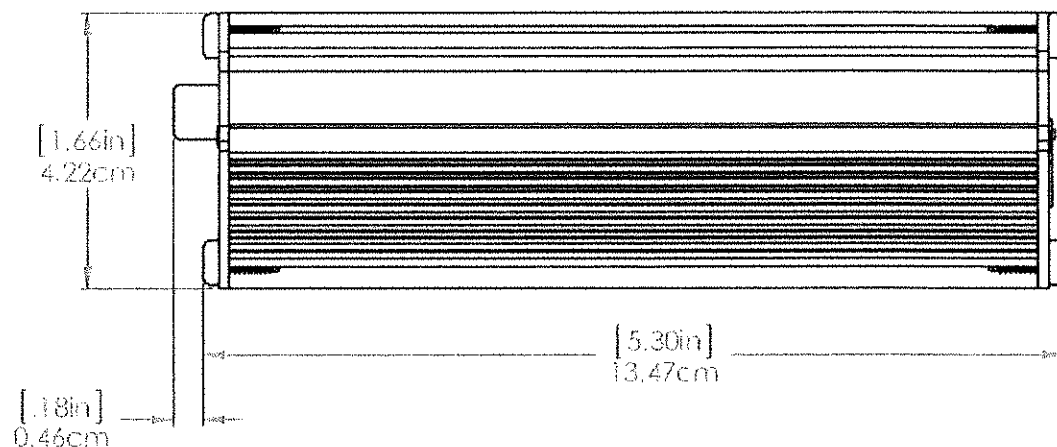
Carina PBX

Model No: WL-PBX-CAR

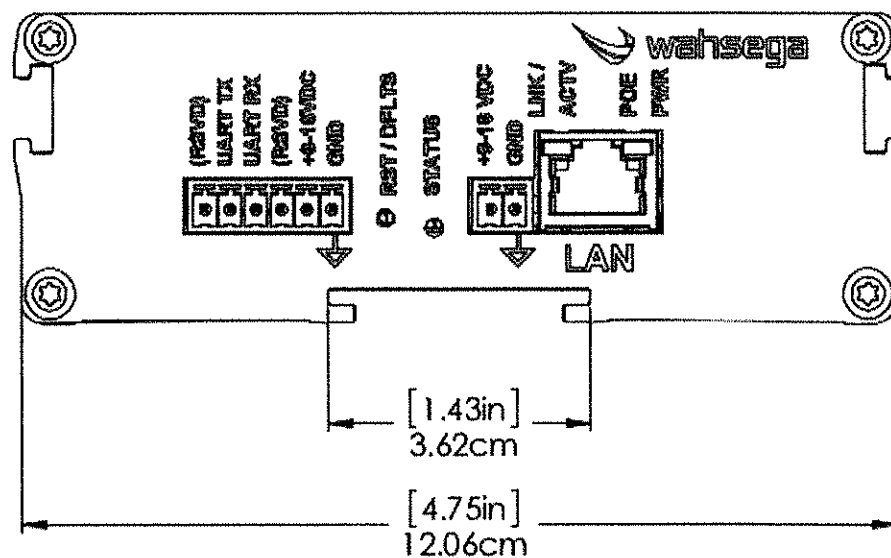
Specification Submittal

Dimensions

Side View



Rear View



Job Name:

Date:

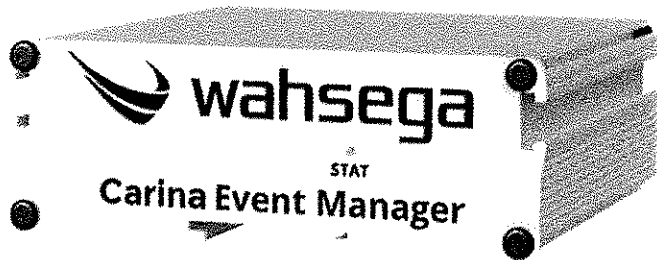
Location:

Notes:





Specification Submittal



Carina Event Manager

Model No: WL-EM-CAR

Description

The Wahsega Carina Event Manager is a server appliance that comes in a small and power efficient package. Booting in less than 20 seconds, the Event Manager allows administrators to install, configure and manage every Wahsega device on the network.

The Event Manager can handle up to 125 primary and 125 secondary devices making it perfect for very large installations or giving organizations room to expand without the worry of additional fees later. Use it to upgrade firmware on all devices, schedule recurring events on the calendar, see reports on the health status of endpoints, send out emergency alerts, monitor IoT sensors and manage all of this through a single, intuitive dashboard.

With all these features, the Event Manager uses 10x less power than any competing device available today. When connected to PoE switches that are on UPS backup, the Event Manager and Wahsega Endpoints will continue fully operating significantly longer than anything available in the market to ensure the message gets out when it is needed most.

The management dashboard of the Event Manager is coming to the cloud soon giving administrators the ability to control their Carina deployment from anywhere. The Event Manager was designed to be a hybrid system ensuring that it continues fully operating even during an internet outage.

The Carina Event Manager integrates with the Carina PBX, Carina PBX Lite, and most IP PBXs.

Key Features

- Manage every Carina device
- 125 primary & 125 secondary endpoints
- Single, intuitive dashboard
- Uses 10x less power than competing servers
- Calendar scheduler
- Audio, text, and flasher announcements
- Auto-discovery of Wahsega Carina devices for configuration
- Fully configurable via a simple dashboard
- 45-day power fail memory
- Remote firmware upgradeable
- Bulk firmware upgrades for Carina system devices
- Industry low power usage
- Global, bulk, and individual device configuration options
- Network device health reporting
- 10/100 Ethernet port with Power-over-Ethernet (802.3af PoE)
- +9-16V DC input (if not using PoE)
- Standard 1U rack mounting

Carina Event Manager

Model No: WL-EM-CAR

Specification Submittal

Specifications

- Ethernet: 10/100 Mbps
- Protocol: SIP RFC 3261 compatible
- Power Input: PoE 802.3af or +9-16V DC input
- Current Draw: <2W
- Max Cable Length: 100m (per standard)
- Temperature Range: -40C to +60C
- Construction: Aluminum extrusion with aluminum faceplates
- Dimensions: 1.66" H x 4.75" W x 5.30" D
- Weight: 0.94lb
- Regulatory Compliance: FCC Class A
- Warranty: 3 years limited

Installation & Setup

- Connect to your PoE (Power over Ethernet) with a Cat5e or Cat6 cable for power
- Place on a 1U Server Rack Shelf
- [Carina Event Manager Setup video](#)
- [Carina Tutorial Videos - https://bit.ly/carina_tutorials](#)

Compatibility

Carina Event Managers are compatible with: Primary Speakers, IP Displays, zone controllers, Carina PBX and most intercoms

- Carina PBX - WL-PBX-CAR
- Carina PBX Lite - WL-PBX-CAR-LITE

Primary Speakers

- 2x2 Ceiling IP Speaker - WL-SPKR-22-CAR
- Wall Mount IP Speaker - WL-SPKR-SMT-CAR
- Outdoor IP Speaker - WL-SPKR-OF-CAR

IP Displays

- Small IP Display - WL-IPD-SPKR-510-CAR
- Large IP Display - WL-IPD-SPKR-520-CAR
- Extra Large IP Display - WL-IPD-SPKR-540-CAR
- Wall Mount Double Sided IP Display - WL-IPD-SPKR-510D-CAR
- Ceiling Mount Double Sided IP Display - WL-IPD-SPKR-510D-CAR-TM

IP Paging Zone Controller - 1CH - WL-ZN-CTR-1CH-CAR

*Not compatible with the 2CH Zone Controller

Intercoms

- Outdoor Pedestal IP Intercom - WL-IC-BKMT-CAR-OV-R
- Indoor Recessed IP Intercom - WL-IC-FLMT-CAR-I-W-R
- Indoor Surface Mount IP Intercom - WL-IC-SMT-CAR-I-W-R

Job Name:

Date:

Location:

Notes:



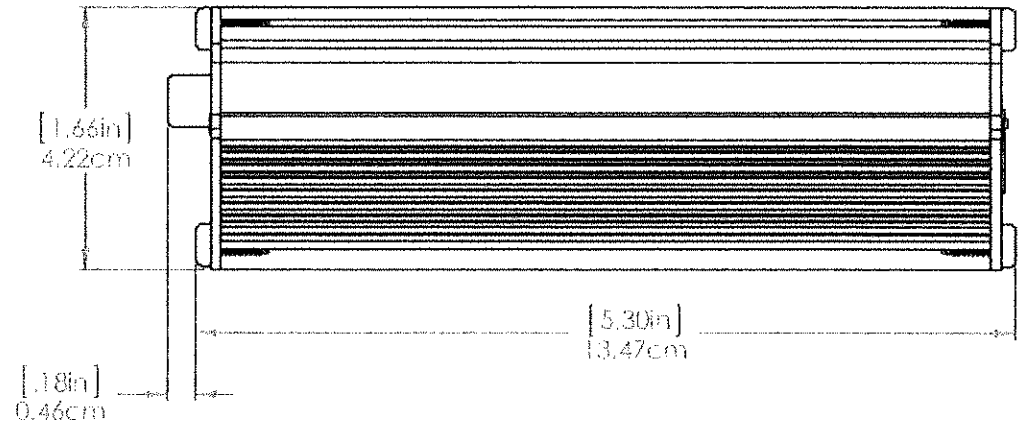
Carina Event Manager

Model No: WL-EM-CAR

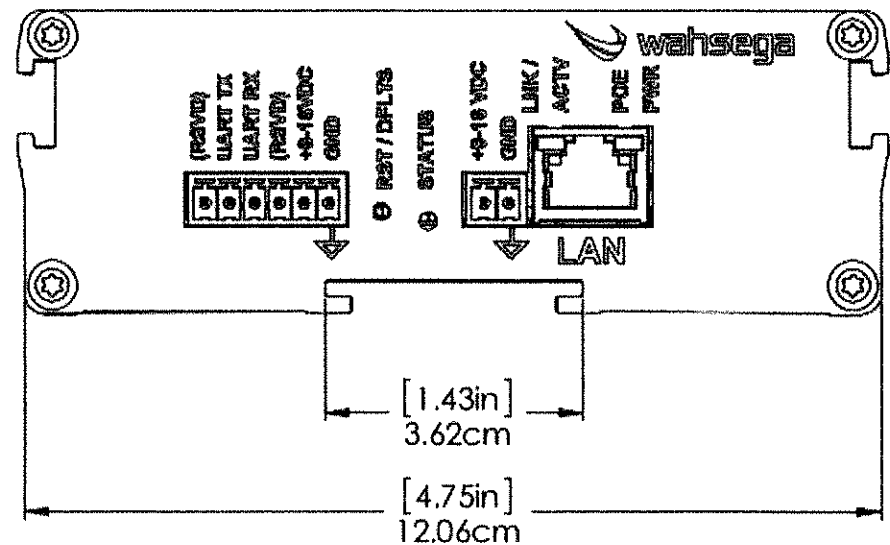
Specification Submittal

Dimensions

Side View



Rear View



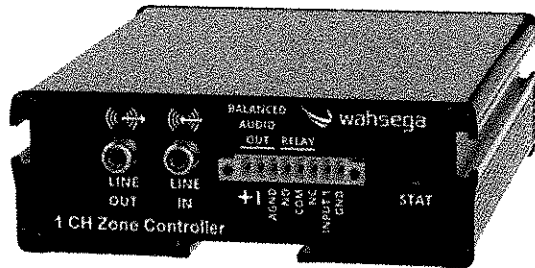
Job Name:

Date:

Location:

Notes:





Carina Single Channel Zone Controller

Model No: WL-ZN-CTR-1CH-CAR

Description

Send or receive audio to analog devices in specific zones with the Carina Single Channel IP Paging Zone Controller with Relay. Automatically discovered by the Carina Event Manager, the Carina Zone Controller may function as either an input or an output and is easily and centrally configured within the Event Manager.

In addition to streaming RTP Multicast broadcasts, the Zone Controller can register as a SIP extension and send or receive VoIP calls through a PBX. The Single Channel Zone Controller has an integrated relay with audio detection. When any incoming or outgoing audio is detected, the relay can be set to actuate, closing the "normally open" path. The Zone Controller with Relay is perfect for paging applications in school auditoriums, multi-level buildings and retail operations with multiple branch locations.

Key Features

- Fully configurable via Carina Event Manager
- SIP compliant
- Line level audio in & out
- Onboard relay
- Send audio over mobile radios
- Monitor IoT sensor
- Stream background music
- Multiple mono codes to choose from
- Customizable line level output gain
- Standard 1U rack mounting
- PoE 802.3af enabled (Power-over-Ethernet)

Job Name:

Date:

Location:

Notes:

Carina Single Channel Zone Controller

Model No: WL-ZN-CTR-1CH-CAR

Specification Submittal

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af (or +9V to +16V DC input)
- Protocol: SIP RFC 3261 compatible
- Audio Codecs: 16-bit PCM (uncompressed), u-law (G.711u), a-law (G.711a), G.722, G.729
- Audio Sampling: 8 kHz, 16 kHz, or 32 kHz
- Current Draw: <2W
- Impedance: 600Ω
- Max Cable Length: 100m (per standard)
- Temperature Range: -40°C to +60°C
- Output Trim Range (Web configurable): +4dBu to -10dBV nominal
- Form C (SPDT) Relay Contact Closure Rating: 30VDC or 270VAC, 3A
- Construction: Aluminum extrusion
- Regulatory Compliance: FCC Class B
- Dimensions: 1.66" H x 4.75" W x 5.30" D
- Warranty: 3 years limited

Job Name:

Date:

Location:

Notes:



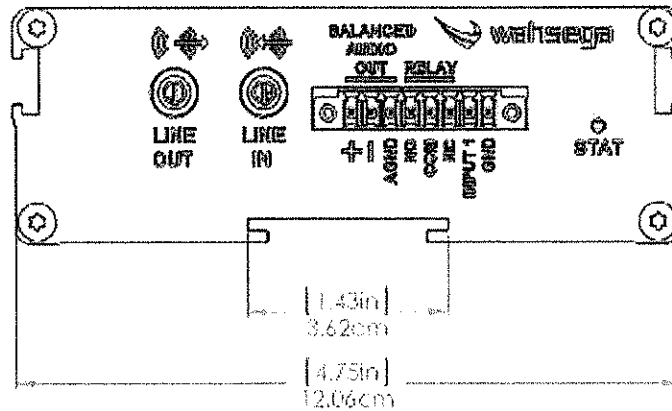
Carina Single Channel Zone Controller

Model No: WL-ZN-CTR-1CH-CAR

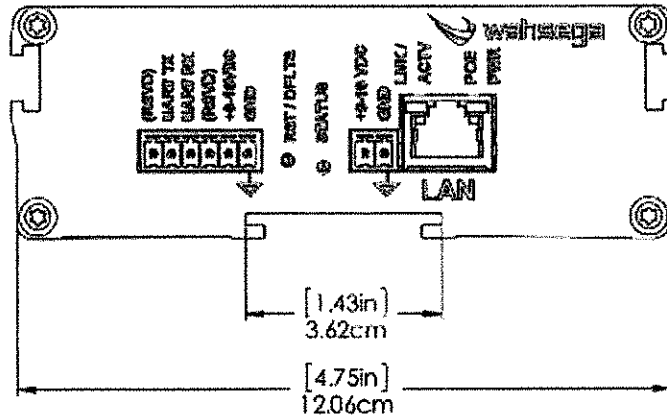
Specification Submittal

Dimensions

Front View



Rear View



Job Name:

Date:

Location:

Notes:



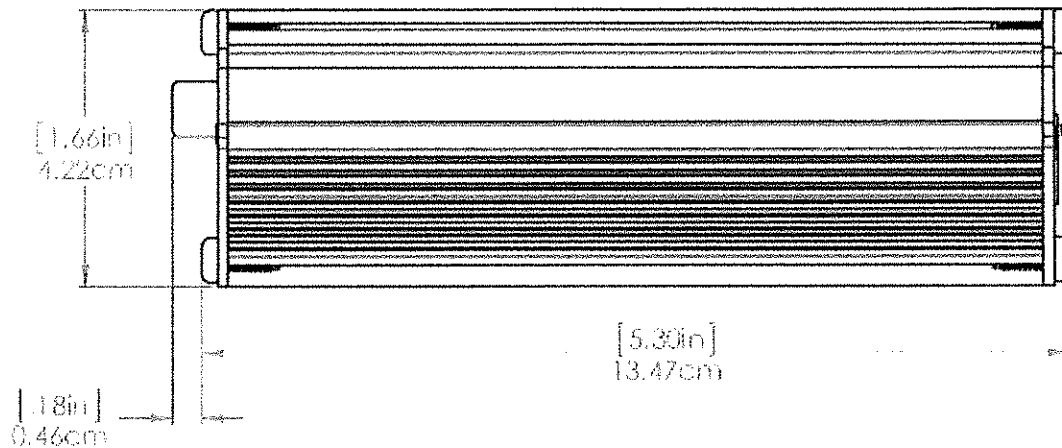
Carina Single Channel Zone Controller

Model No: WL-ZN-CTR-1CH-CAR

Specification Submittal

Dimensions

Side View



Job Name:

Date:

Location:

Notes:



Carina Single Channel Zone Controller

Model No: WL-ZN-CTR-1CH-CAR

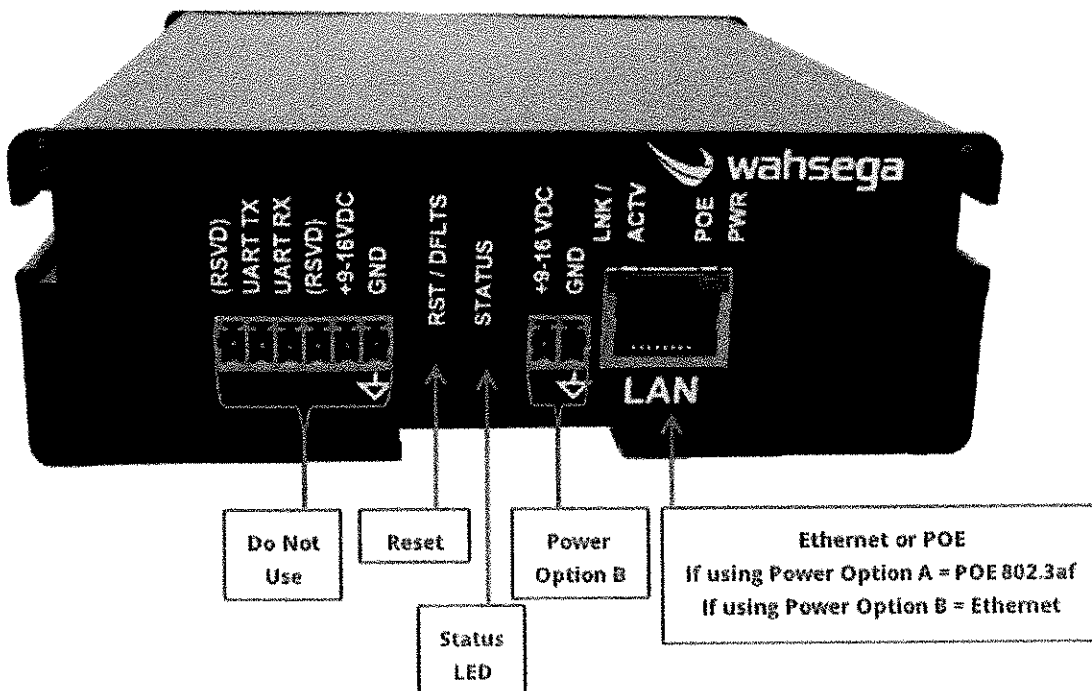
Specification Submittal

Power

Option A: To use Power-over-Ethernet (POE 802.3af), route a Cat 5e or Cat 6 Ethernet cable from a PoE switch or injector to the LAN port.

Option B: Alternately, use the included 2-pin male connector to connect +9-16VDC and Ground wires for power. Use standard (unpowered) Ethernet for data.

NOTE: Use either POE or 9-16V for power. DO NOT USE BOTH.



Job Name:

Date:

Location:

Notes:

 wahsega.

Carina Single Channel Zone Controller

Model No: WL-ZN-CTR-1CH-CAR

Specification Submittal

Audio Inputs / Outputs

LINE OUT (unbalanced) – Connect to amplifier via RCA mono connector. Configure audio settings in configuration webpages as described in User's Guide.

LINE IN – Connect audio in from source via RCA mono connector cable. For best results, use a mono audio source. Configure audio settings in configuration webpages as described in User's Guide.

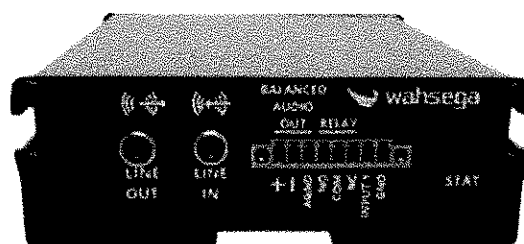
BALANCED AUDIO OUT – If using balanced audio out (and not the unbalanced RCA connection), connect here using included 3-pin male connector.

- Pin 1 (+) is hot connection.
- Pin 2 (-) is cold connection.
- Pin 3 (AGND) is analog ground.

RELAY – The relay connector is a 3-pin male connector (included), wired to a Form C relay (SPDT) with contacts rated for 30VDC or 270VAC at 3A.

- Pin 1 is a Normally Closed (NC) dry contact closure.
- Pin 2 is Common.
- Pin 3 is a Normally Open (NO) dry contact closure.

STAT – LED will illuminate when audio is being passed. The steadier the STAT LED, the stronger the audio signal present.



SYSTEM FEATURES

Administration/Staff

FEATURES

- NQ-ZPMS Zone Paging Mic Station support
- iOS and iPadOS support
- Microsoft Active Directory and LDAP Support
- Enterprise-wide Event Management From Single Interface (i.e. Remote Calendar Control)
- All Call Paging
- Emergency All Call Paging
- District-Wide All Call
- District-Wide Emergency All Call
- Zone Paging
- Unlimited number of Paging Zones
- Unlimited simultaneous paging calls
- Multi-facility paging/announcements
- Location Monitoring (Modes: Spy, Whisper, Barge)
- Web-based GUI Dashboard (Audio, Alarms, Announcements, Calling, Paging, Tones)
- Web-based GUI Directory Menus for Announcements, Alarms, Paging Zones, Stations, Tones
- Web User Interface: SIP Client (softphone) - allows calls, paging, etc., from Web UI
- Executive override to access intercom paths
- Admin can override others and interrupt page
- Admin Groups: "Emergency" admin group
- Admin Phone Menus: Alarms, Announcements, Zone Paging, Tones, and Routines
- Direct select rooms from VoIP admin phone
- Multi Station Page Exclusion (Ability to turn off paging into an area as needed, e.g., for testing, mtg's, etc.)

Networked Audio Power Amplifier Support

FEATURES

- Gen2 Amplifier Support (NQ-A2xxx-G2/NQ-A4xxx-G2)
- 4-Ch. x60W, x120W, and x300W models available
- 2-Ch. x60W, x120W, and x300W models available
- Public Address Mixer/Amplifiers NQ-PA120/240/600
- Integrated Pro-Audio Digital Signal Processing
- Enhanced DSP Controls
- 40W PoE+ Plenum-Rated Amplifier Module with Line Output
- 20W PoE+ Plenum-Rated Amplifier Module with Line Output



Audio Distribution & Announcement

FEATURES

- Sound Masking S/W Feature option
- Tablet Based Zone Volume and Audio Distribution Control
- Unlimited Announcement Files
- Upload and Manage WAV & MP3 Announcement Files
- Audio Program Control via DTMF - Admin Phone (i.e., Can turn on or off from phone)
- Toggle Music Sources On/Off
- GUI-based Program Distribution
- Playlists (with easy title drag-n-drop capability)
- Music Import and Management
- Automatic Playlist Creation from USB Stick (Places all music files into a single playlist)
- Record Announcements from an Admin Phone or Web UI
- Separate Zone Volume Controls for Paging vs. Audio Distribution
- Audio Distribution to multiple zones simultaneously
- Integrated streaming Internet radio (airable)
- Integrated commercially-licensed streaming music service (SoundMachine)
- Scheduled Audio from any source (airable Radio, SoundMachine, Playlists, and Line-Input)
- Recurring Scheduled Announcements
- Targeted Announcements to any specified zone(s)
- Pink noise and white noise tones to assist with setting-up paging zone volumes

BOGEN.

Traditional Intercom*

FEATURES

- Unlimited System Capacity (limited only by system licensing)
- Always an Answer (Calls can be put into admin groups so call will always be answered.)
- Intercom Call-in (From classroom call switch) (requires optional system licensing)
- Unlimited Simultaneous Intercom Calls per Facility (limited only by system licensing)
- Priority Paging Mic (ability to have external Mic for emergency page)
- Unlimited Program Channels
- Unlimited Number of Class of Service (CoS) Profiles
- Unlimited Paging, Time, and Audio Zones (limited only by system licensing)
- Emergency Call-in (Emergency calls from classroom ring with special ring & alert) (limited only by system licensing)
- Call Assurance Audio File plays in room to confirm call (Analogous to Call Assurance LED)
- 3 Call Priorities for Call Switch (Normal, Urgent, Emergency)
- Relay Input to trigger Events or Routines
- Relay Driver Output Controls (Used to control events, e.g., open door, turn on lights, etc.)
- Emergency Call from Normal Call Switch (If call is in progress, it can be escalated to emergency status)
- Transfer Call from Room Speaker to Room Phone (Call to ceiling speaker can be dropped to the phone or privacy)
- Change/Modify Preannounce Tone
- Create Text-To-Speech Based Announcements (Optional)
- Legacy Analog Amplifier Support
- Analog Speaker Support (8-ohm / 25V / 70V)
- Analog Call Switch Support (CA15C)
- Digital Call Switch Support (NQ-E7020 / NQ-E7020-G2)
- Page Stacking / Queuing (requires optional system licensing)
- Ambient Noise Sensing (requires one or more NQ-GA10P paired with a ANS500M)

* Intercom calling and associated features are optionally licensed

Event Schedules & Management

FEATURES

- 72-Hour Backup Tone Schedule
- Powerful, Innovative Web-based Scheduling Interface
- Activate a Routine in Conjunction with a Scheduled Event
- Execute Any Routine Action when a selected schedule is activated
- Conditional Execution of Routine Actions based on User-Supplied Statements/Parameters
- Scheduled Volume Level changes via Routines
- Master Clock Capability
- Unlimited Number of Holiday Schedules (Ability to change Event Schedules so that tones and bells don't disturb surrounding areas when business is closed)
- Ability to Sync External Master Clock with I/O Contact Closure
- NTP Server Support (Ability to act as or sync to an external NTP Server)
- Unlimited Schedules (Restricted Edit & View by User Role)
- Unlimited Scheduled Events
- Ability to Import/Export Holiday Schedules
- Monthly Calendar Views
- Tones: Generate/Create Tones, Upload Tones, Manage Tones

IP Speaker Support

FEATURES

- Digital Call Switches (NQ-E7020 and NQ-E7020-G2)
- VoIP Ceiling Speaker w/Talkback (NQ-S1810CT and NQ-S1810CT-G2)
- VoIP Wall Baffle Speaker w/Talkback (NQ-S1810WT and NQ-S1810WT-G2)
- CAN Bus Device Support (e.g., NQ-E7020 DCS)
- PoE Plenum-Rated VoIP Intercom Module (NQ-GA10P) (Turns any 8-ohm speaker into a VoIP talkback speaker)
- PoE Plenum-Rated VoIP Intercom Module with HDMI output (NQ-GA10PV) (Turns any 8-ohm speaker into a VoIP talkback speaker and HDMI-capable TVs/monitors into combo clock/message displays)

Configuration & Maintenance

FEATURES

- System Controller with pre-installed OS & C4000 application software
- Embedded Nyquist DHCP Server Support
- Ability to Create a Self-Signed Bogen Root SSL Certificate
- Automatic server software and firmware check & download
- Wizard-Based System Setup & Configuration (when using the NQ-SYSCTRL Nyquist System Controller)
- Web GUI Programming and Diagnostics (Ability to program and test from anywhere)
- Log File Viewing and Export (Server and System)
- Web GUI Station Status (Real-time status of VoIP devices)
- System Backup/Restore
- Automated/Scheduled System Backup
- GUI-based System Status (Current operations displayed on Dashboard)
- Monitoring of Server Status via SNMP
- Unlimited Definitions of Users, Roles, and Permissions
- Software Adjustable Paging Zone Volume
- Device & Station Supervision (with Dashboard Notifications and Email Alerts)
- Automatic update of Appliance Firmware (to match server S/W version)

I/O Related Equipment

FEATURES

- Networked Matrix Mixer Pre-Amp with Pro-Audio DSP (NQ-PO100) (External MIC, AUX, & Digital Audio Support)
- Networked I/O Controller (NQ-E7010) (8 Inputs/8 Outputs per I/O Controller)

IP Phone Support

FEATURES

- VoIP LCD Display Admin/Staff Phone (NQ-T1000)
- Support for third party ATA devices for FXO and FXS connections with custom configurations for FXS operation features like Off-Hook Ring Down
- Nyquist Bogen Staff Phone-LCD Display (NQ-T2000) and
- Nyquist Zone Paging Microphone Station (NQ-ZPMS)

Security & Safety

FEATURES

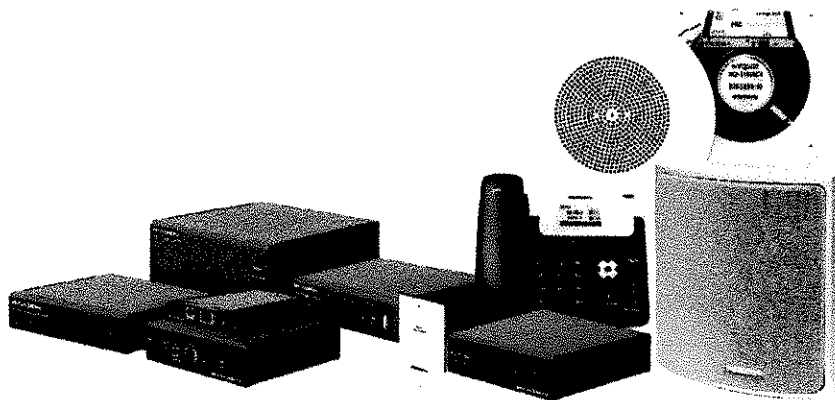
- Backup paging via NQ-T1100 Admin Phones and NQ-ZPMS Zone Paging Mic Station
- Check-in status displayed via GA10PV driven monitor
- Automatic Failover option for Nyquist Server
- Clock / Messaging Display capability with NQ-GA10PV
- Alert Filters to display specific Emergency Alert System (EAS) events on the video displays connected to the NQ-GA10PV
- Routines (allows automatic launching of a sequence of actions that the Nyquist system executes as a result of a manual input or "triggering" system event. Routines can support your crisis plans for situations such as school lockdown, weather events, or emergency evacuation.
- Expanded Routine API Parameters for 3rd Party Integrations
- Enhanced Routine API Authentication
- Multi-facility Routines
- Emergency Check-In feature that can be used for lockdowns
- Pop-up of a room's video feed via the Maps view (using standard camera URLs)
- Optional password protection for all-call paging, emergency all-call paging, multi-site paging, facility paging, zone paging, alarms, and tones.
- Play Pre-Recorded Message with Contact Closure (via NQ-E7010 I/O Controller program logic)
- Speed-Dial Access to Common System Features (Used to make system easy to use for Administrators)
- Output Contact Closure Puts System Into Page Exclusion mode (via NQ-E7010 I/O Controller program logic)
- Output Contact Closure Triggers an External Event (via output relay control on the NQ-E7010 I/O Controller)
- Input Contact Closure Triggers an Internal Event (via NQ-E7010 I/O Controller program logic)
- Call Recording and Playback (911, Emergency, Normal)
- Emergency Page with Pre-Programmed Messages (WAV, MP3) (ex. "There is a Fire Emergency, please exit building, this is not a drill.")
- Interactive Map-Based Paging and Intercom (hierarchical drill-down views of multiple maps - including across multiple facilities)
- Text-to-Speech Based Announcements (optional feature) (Copy & paste-in complex emergency notifications and instructions)
- Routines API to Integrate with Security/Access Control Systems (optional feature)

General Telephony*

FEATURES

- Voice-Prompted Features (via embedded IVR functionality) (Users are instructed as to what the next step should be)
- Intercom Access from IP Phone System (SIP ATA or Tie-Line interface to IP-PBX)
- Voice-Prompted Call Forwarding Status (via embedded IVR functionality)
- Call Monitoring (Modes: Spy, Whisper, Barge, non-DISA)
- Call Detail Recording: Display, Manage, and Export (No limit to record count)
- Call or Page via Mobile Device: SIP Client Application
- Call or Page via Mobile Device: Web UI
- SIP Trunking to PSTN/Cloud or IP-PBX
- SIP trunk management to include PBX Connection access
- SIP Trunk can be used to register Nyquist with an iPBX as a SIP endpoint
- Allow Intercom Calls to Route to PBX Extensions via SIP Trunk
- 911 Call Alerts: Notifications sent to Web UI and Admin Phones with option to monitor call
- 911 Dial Through (Provisioned via CoS allows any authorized station to direct dial 911)
- Walking CoS
- Trunk Queuing (Searches for first available outside line/trunk)
- Unlimited Number of Admin and/or Staff Phones (limited only by system licensing)
- Analog PSTN Trunk Support (Requires use of DAHDI cards or an FXO Gateway)
- Unlimited Number of Simultaneous Talk Paths (limited only by system licensing)
- Architectural Room Numbers and Names Displayed on Web UI and Admin devices
- Off-Site Call Transfer (Transfer calls to phone numbers outside of the system)
- Routing to an External Number (Provisioned via CoS)
- Route selected call priorities (e.g., Emergency) to an external number (Provisioned via CoS)
- Remote Call Pickup (Ability to answer a phone from anywhere in the building/facility)
- Voice Mail (Assignable to any station via CoS)
- Analog Intercom Access from a PBX (via FXO or FXS ports)
- Voicemail Message Waiting Indication Light (on all Bogen VoIP phones)
- Call Forwarding (Automatically sends calls to another station on the system)
- Callback Request with associated Callback Request Indicator
- DID Call Routing (Direct inward line routes to office phone)
- DISA Call Routing (Allows direct inward station access from outside the system)
- Security DISA Call Routing (Allows direct inward station access from outside the system using a passcode)
- Password Protected Access to Admin Phone Features
- Ability to Place Normal or Emergency Calls
- Dial Out to PSTN/PBX (requires optional DAHDI FXO cards or ATA FXO ports)
- Receive Outside Calls (PSTN/PBX)
- Analog Telephone (aka 2500 Set) Support (via 3rd-party 24-port FXS VoIP Gateway integration)

* Intercom calling and associated features are optionally licensed



BOGEN.

Tel.: 1-800-999-2809 • www.bogen.com

© 2023 Bogen Communications LLC 740-00113E 2304

IP-BASED PAGING AND AUDIO DISTRIBUTION SOLUTION

The C4000 Series is a software-based solution for commercial paging, music distribution, and sound masking applications that demand a high degree of scalability and flexibility. The heart of the C4000 solution is a powerful, state-of-the-art system controller with an easy to use Web-based Graphical User Interface (GUI) that is accessible from any PC, tablet, or mobile device. Built-in, commercially licensed, Internet radio-based streaming audio services are perfect for background music applications. Feature-rich, purpose-built appliances provide audio mixing, amplification, and distribution, as well as the ability to easily integrate with third-party devices and systems, such as PBXs, security, access control, and fire alarm.

The C4000 Series can be scaled to support a wide mix of audio sources, end points, and zones. The C4000 software can be easily upgraded over time to add new features and capabilities to address ever-changing customer needs, environments, and technology.

C4000 is perfect for:

- Offices
- Retail
- Restaurant and Bars
- Warehouses
- Industrial and Manufacturing Facilities
- Healthcare
- Public and Private Institutions
- Transportation Hubs
- Houses of Worship

Features and Capabilities:

- System Controller with optional Automatic Failover capability
- Support for a wide-array of networked appliances and endpoints
- Embedded pro-audio DSP capabilities in all amplifiers and mixers
- Internet-based streaming radio & music services
- Facility map-based interactive calling and zone paging
- Text-to-Speech based announcements
- Powerful automated Routines & Routines API to support crisis plans and third-party integrations
- Scheduled volume changes via Routines
- Custom Configuration of System Parameters allows Admins to customize their SNMP configuration (e.g., setup private community string passwords, enable SNMP traps, etc.)



NQ-SYSCTRL - NYQUIST System Controller

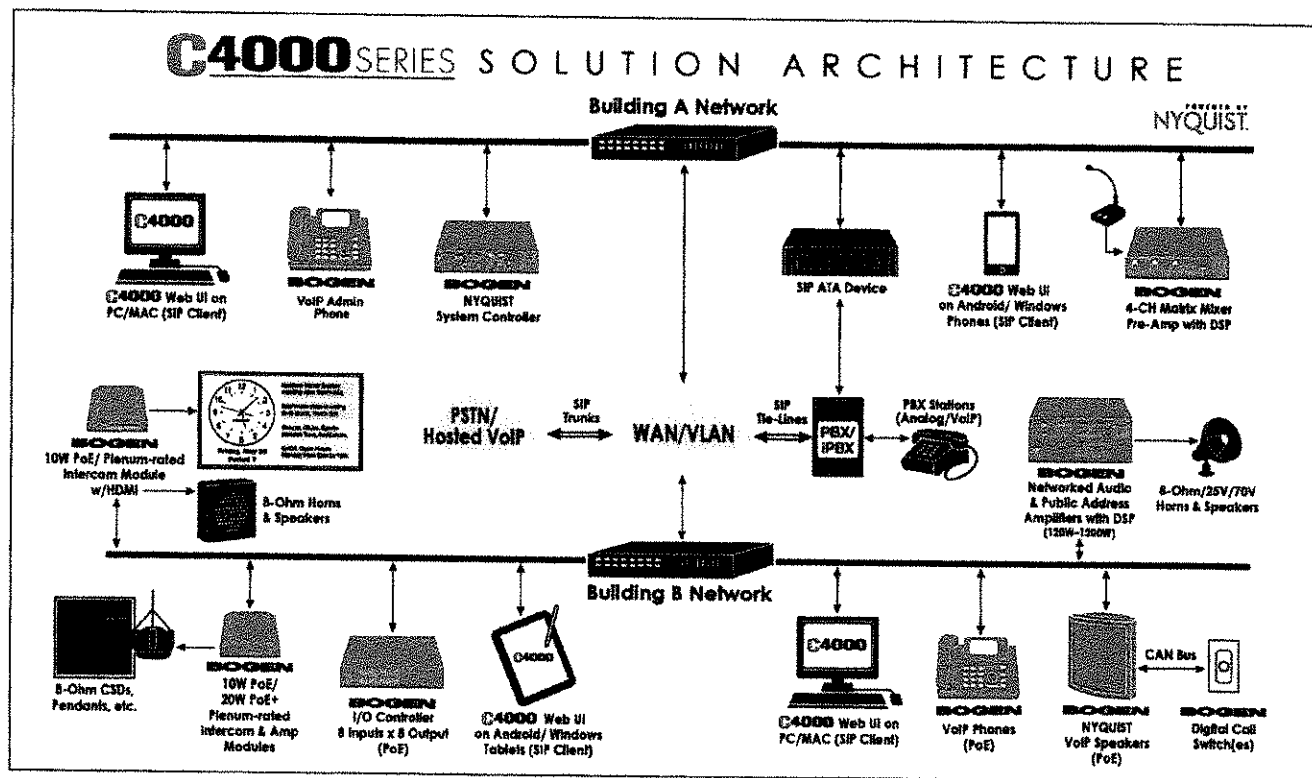
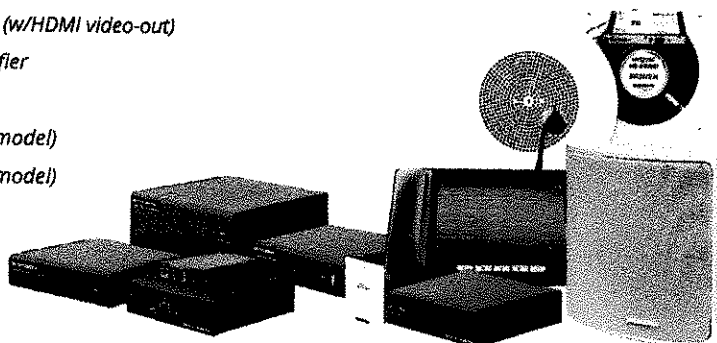
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www.bogen.com

C4000 SERIES

C4000 Series Compatible Appliances

NQ-A2060-G2 Audio Power Amplifier (60W, 2-CH model)
NQ-A2120-G2 Audio Power Amplifier (120W, 2-CH model)
NQ-A2300-G2 Audio Power Amplifier (300W, 2-CH model)
NQ-A4060-G2 Audio Power Amplifier (60W, 4-CH model)
NQ-A4120-G2 Audio Power Amplifier (120W, 4-CH model)
NQ-A4300-G2 Audio Power Amplifier (300W, 4-CH model)
NQ-E7010 Input/Output Controller
NQ-E7020-G2 Digital Call Switch
NQ-GA10P 10W Plenum-Rated Intercom Module
NQ-GA10PV 10W Plenum-Rated Intercom Module (w/HDMI video-out)
NQ-GA20P2 20W Plenum-Rated Integrated Amplifier
NQ-P0100 Matrix Mixer Pre-Amplifier
NQ-PA120 Public Address Mixer/Amplifier (120W model)
NQ-PA240 Public Address Mixer/Amplifier (240W model)

NQ-PA600 Public Address Mixer/Amplifier (600W model)
NQ-S1810-SCG VoIP Ceiling/Wall Baffle Speakers
NQ-S1810-VF VoIP Ceiling/Wall Baffle Speakers
NQ-S1810CT-G2 VoIP Ceiling Speaker
NQ-S1810WT-G2 VoIP Wall Baffle Speaker
NQ-T1100 Nyquist Color Touch Display VoIP Admin Phone
NQ-T2000 VoIP Admin Phone (Color Display)
NQ-ZPMS Nyquist Zone Paging Microphone Station



NYQUIST

The C4000 Series is built upon Bogen's award-winning Nyquist software-based IP communications platform, which provides users with unparalleled flexibility and scalability, whatever their application.

BOGEN

Tel.: 1-800-999-2809 • www.bogen.com

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Bid Bond

CONTRACTOR:

(Name, legal status and address)

Allcomm, Inc.
1076 Rig St.
Commerce Township, MI 48390

SURETY:

(Name, legal status and principal place of business)

The Ohio Casualty Insurance Company
175 Berkeley Street
Boston, MA 02116

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

OWNER:

(Name, legal status and address)

Clintondale Public Schools
35100 Little Mack Ave
Clinton Township, MI 48035

BOND AMOUNT:

5% of the total amount bid

PROJECT: Public Address (PA) System at Clintondale Community Schools

(Name, location or address, and Project number, if any)


Project Number, if any:

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 12th day of April, 2024


(Witness)

Allcomm, Inc.

(Principal)


(Seal)

Chief Operations Officer
(Title)

The Ohio Casualty Insurance Company

(Surety)

Ryan Gumbata
(Witness)


Aaron M. Steffy, Attorney in Fact



By arrangement with the American Institute of Architects, the National Association of Surety Bond Producers (NASBP) (www.nasbp.org) makes this form document available to its members, affiliates, and associates in Microsoft Word format for use in the regular course of surety business. NASBP vouches that the original text of this document conforms exactly to the text in AIA Document A310-2010, Bid Bond. Subsequent modifications may be made to the original text of this document by users, so careful review of its wording and consultation with an attorney are encouraged before its completion, execution or acceptance.



This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

Certificate No: 8209969-992384

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Lisa M. Battista, Ryan Gumbita, Christopher D. Kolger, Joseph Perschy, Aaron M. Steffey

all of the city of Houston state of TX each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 18th day of April, 2023.



Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By:

David M. Carey
David M. Carey, Assistant Secretary

State of PENNSYLVANIA
County of MONTGOMERY

On this 18th day of April, 2023 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2025
Commission number 1126044
Member, Pennsylvania Association of Notaries

By:

Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS: Section 12. Power of Attorney.

Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 12th day of April, 2024.



By:

Renee C. Llewellyn
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email POA@libertymutual.com.

CERTIFICATION OF COMPLIANCE – IRAN ECONOMIC SANCTIONS ACT

Michigan Public Act No. 517 of 2012

The undersigned, the owner, or authorized officer of the below-named company (the Company), pursuant to the compliance certification requirement provided by the Clintondale Community School District's request for proposal (the RFP), hereby certifies, represents, and warrants that the Company (which includes its officers, directors, and employees) is not an "Iran Linked Business" within the meaning of the Iran Economic Sanctions Act, Michigan Public Act No. 517 of 2012 (the "Act"), and that in the event the Company is awarded a contract by the Clintondale Community School District as a result of the aforementioned RFP, the Company is not and will not become an "Iran Linked Business" at any time during the course of performing any services under the contract.

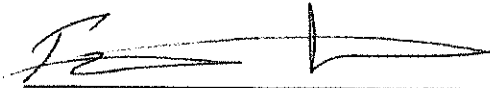
The Company further acknowledges that any person who is found to have submitted a false certification is responsible for a civil penalty of not more than \$250,000 or two (2) times the amount of the contract for which the false certification was made, whichever is greater, the cost of the Clintondale Community School District's investigation, and reasonable attorney fees, in addition to the fine. Moreover, any person who submitted a false certification shall be ineligible to bid on a request for proposal for three (3) years from the date that it is determined that the person has submitted the false certification.

Allcomm

Name of Company

Travis Haggerty - Partner

Name and Title of Authorized Representative



Signature

4-5-2024

Date



FAMILIAL DISCLOSURE AFFIDAVIT

All Bids shall be accompanied by a sworn statement disclosing any familial relationship that exists between the owner(s) or any employee of the bidder and any member of the Board of Education of the District and/or Superintendent of the district.

The undersigned, owner of the authorized offer of Alcomm (the bidder), pursuant of the familial disclosure requirement provided in the Clintondale Community School District, hereby represent and warrant, except as provided below, that no familial relationships exist between the bidder or any employee of the bidder, and any member of the Clintondale Community School District Board of Education and/or the Superintendent.

The following are the bidder's familial relationship(s) with the Clintondale Community School District:

Bidder/Employee Name, Related to, Relationship

1. _____

2. _____

(Attach additional pages if necessary to disclose all familial relationships)

There is no familial that exists between the bidder and/or any employee of the bidder and any member of the Clintondale Community School District Board of Education and/or Superintendent.

Bidder:

Alcomm
Company Name

By:


Travis Haggerty - Partner

Signature, Title

(Notarize this document using the space below)





1076 Rig St., Commerce Twp., MI. 48390 (248) 264-4680

Clintondale Community Schools – PA System
Pricing Breakdown

High School - \$83,930.14

Middle School - \$61,205.57

McGlennen Elementary - \$43,845.13

Parker Elementary - \$33,461.56

Total Project Cost - \$222,442.40



Clintondale Schools - Paging System

A PROPOSAL FOR

Clintondale Community Schools

Richard Lerman
(586) 791-6300

35200 Little Mack Ave.
Clinton Township, MI 48035

PREPARED BY DAVID CORBAT



Allcomm
<https://goalcomm.com>
248-264-4680

1076 Rig St
Commerce TWP, MI 48390

About Us

Founded in 1999 by Bryan Berry in Southeast Michigan, Allcomm Inc. has emerged as a dynamic solution integrator dedicated to empowering enterprises with the tools and services they need to operate efficiently and cultivate a high level of reliability within their business systems.

Evolution and Growth

From its humble beginnings, Allcomm has evolved to become a cornerstone in the technology solutions industry. Initially focused on serving the Small and Medium-sized Business (SMB) sector, the company has successfully expanded its reach to cater to multi-site customers with locations outside Michigan and Fortune 500 companies. This growth is a testament to Allcomm's adaptability, commitment to excellence, and ability to meet the evolving needs of a diverse customer base.

Our Headquarters

Situated in Commerce Township, Michigan, Allcomm's singular office houses a dedicated team of 11 full-time employees. This close-knit team collaborates seamlessly across various departments, including installation, support, sales, and management, to provide comprehensive solutions and services to our valued clients.

Comprehensive Product and Service Portfolio

Allcomm takes pride in offering a world-class product line with complete design, installation, and support services. Our expertise spans across key areas, including:

- **WiFi:** From surveying and design to installation and ongoing support, Allcomm ensures robust and reliable wireless connectivity solutions.
- **VoIP:** Our team excels in designing, installing, and supporting Voice over Internet Protocol (VoIP) systems, enhancing communication efficiency for our clients.
- **Network Infrastructure:** Allcomm specializes in the design and installation of comprehensive network infrastructures covering fiber, copper, and outside plant solutions.
- **IT Network and Desktop Services:** We provide end-to-end solutions for IT network and desktop needs, from design and sales to ongoing support.
- **Video Solutions:** Allcomm extends its capabilities to video technologies, including conferencing and surveillance systems.
- **IT Security Suite:** Recognizing the critical importance of security, we offer a robust IT Security Suite to safeguard our clients' systems and data.

Experienced and Customer-Centric Team

Our team boasts over 150 years of combined experience in the industry, bringing a wealth of knowledge to every project. What sets Allcomm apart is our unwavering commitment to customer satisfaction. Our employees are empowered with the freedom to prioritize what is right for the customer, fostering relationships without the bureaucratic constraints often encountered in larger corporations. At Allcomm, we continue to innovate, adapt, and deliver unparalleled solutions to our clients, building on our legacy of excellence and customer-centric value.

Mission Statement

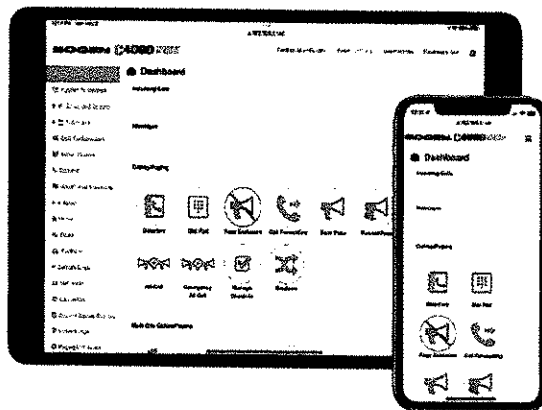
At Allcomm, our mission is to provide industry-proven systems and software with the highest quality services to our customers. Our mission is accomplished through the collective efforts of our staff and is guided by our values of integrity, efficiency, and leadership. We strive to create a partnership with our customers to work willingly and productively toward a common objective that satisfies our customer's needs and meets our organization's standards.

Project Description

The Bogen C4000 series intercom system is simple to use and highly flexible. It allows staff to schedule bells for each facility and initiate zoned paging from any of the district's phones. The system's user interface is browser-based, enabling access via IP through any networked PC, Tablet, or mobile device. This system can be easily and quickly scaled to support virtually unlimited audio sources, end-points, and paging zones, giving you the power to adapt it to your changing needs.

The Bogen C4000 software license comes by default with a 3-year software license, ensuring that your system is always up to date with the latest bug fixes, security patches, and new features.








The following solutions are configured to provide three paging zones for each location: Classrooms, Hallways, and Cafeterias. For the High School and Middle School, the Virtual School Offices will be configured as a fourth zone attached to the middle school system and patched via the High School Paging System. As the C4000 system is network-based, audio routing can be easily configured between locations through the web interface, ensuring that both standard and emergency pages are heard where they're needed most.



Bogen C4000 Web Control Interface

Areas & Items

High School

Image		Unit Price	Qty	Total
	Dell Optiplex Micro Optiplex Micro Server for Bogen C-4000 Paging System	\$876.62	x1	\$876.62
	Bogen NQ-C4000-B2 C4000 SERIES SYSTEM SOFTWARE LICENSE - BUNDLE 2 (9 ZONES/1 CCL PK/3YR S/W UPDATES)	\$2,504.45	x1	\$2,504.45
	Bogen NQ-C4000ICL C4000 SYSTEM SOFTWARE LICENSE - INTERCOM CALL LICENSE (PER CONCURRENT INTERCOM CALL)	\$958.85	x2	\$1,917.70
	Bogen NQ-C4000PBXI C4000 SERIES SYSTEM - PBX INTEGRATION SERVICES (TECH SUPPORT ASSIST WITH SIP,FXO,FXS INTEGRATIONS)	\$412.50	x1	\$412.50
	Bogen NQ-GA400P NYQUIST 2-CHANNEL AOIP GATEWAY, TWO BALANCED LINE-LEVEL INPUTS & TWO LINE-LEVEL OUTPUTS	\$506.92	x2	\$1,013.84
	Netgear GS510TPP100NAS 8P GE POE+ SMART MANAGED PRO SWITCH	\$425.88	x1	\$425.88
	Bogen CSD1X2U Bogen CSD1X2U Grille	\$65.00	x180	\$11,700.00
Labor Installation Tax Exempt		\$113.00	x180	\$20,340.00



AtlasIED AP-15T

IED Horn Loudspeaker with 25V/70.7V/100V-15W Transformer

\$120.00 x8 \$960.00

Labor Installation

Tax Exempt

\$113.00 x8 \$904.00



LEA Professional CONNECT 354

4 Channel x 350 watt @ 4Ohm, 8Ohm, 70V and 100V pe

\$1,473.00 x1 \$1,473.00

Labor Installation

Tax Exempt

\$113.00 x2 \$226.00

Labor Programming Labor

Labor for System Programming and Commissioning

Tax Exempt

\$150.00 x2 \$300.00



WBox Technologies STROBERPB

STROBE BLUE 108MA @ 12VDC

\$21.00 x5 \$105.00



Bogen VAR1

Bogen VAR1 Voice-Activated Relay

\$138.00 x5 \$690.00



Bogen PRS2403R

BOGEN PRS2403R

\$34.00 x5 \$170.00



WBox Technologies PPS12V2AS

12VDC 2 AMP W/ SCREW TERMINALS

\$25.00 x5 \$125.00

Labor Installation

Tax Exempt

\$113.00 x5 \$565.00

Labor Programming Labor

\$150.00 x5 \$750.00

Labor for System Programming and Commissioning

Tax Exempt



Custom 18/2 Plenum

\$0.18 x9000 \$1,620.00

Custom Installation Speaker Cable Per Foot

Labor Installation

\$113.00 x108 \$12,204.00

Tax Exempt



ALLCOMM ALL-CABLE Misc

\$1,578.23 x1 \$1,578.23

ALL-CABLE Misc. Materials

Labor Installation

\$113.00 x1 \$113.00

Tax Exempt



ALLCOMM Shipping/Freight

\$473.47 x1 \$473.47

Shipping/Freight Charges

Tax Exempt

Labor Programming Labor

\$150.00 x24 \$3,600.00

Labor for System Programming and Commissioning

Tax Exempt



ALLCOMM DISPOSAL

\$200.00 x1 \$200.00

Disposal of Existing Legacy Equipment

Labor Installation

\$113.00 x4 \$452.00

Tax Exempt

Labor Installation

\$113.00 x48 \$5,424.00

Labor to Patch Holes left by Legacy Equipment and Ensure Clean Fit of New Speakers

Tax Exempt



**Eaton
Corporation**

SM2200RML2UP

2200VA 1920W UPS Smart Rackmount Sine Wave LCD AVR 120V USB 2U

x1

\$7,370.64
Combined Price



Tripp-Lite BP48V60RT3UTAA
TAA COMPLIANT EXTERNAL BATTERY

x3



ALLCOMM Perf. Bond

Additional Charge for Performance Bond









\$2,293.28

x1

\$2,293.28

High School Total : \$80,787.61

Middle School

Item #		Unit Price	Qty	Total
	Dell Optiplex Micro Optiplex Micro Server for Bogen C-4000 Paging System	\$876.62	x1	\$876.62
	Bogen NQ-C4000-B2 C4000 SERIES SYSTEM SOFTWARE LICENSE - BUNDLE 2 (9 ZONES/1 CCL PK/3YR S/W UPDATES)	\$2,504.45	x1	\$2,504.45
	Bogen NQ-C4000ICL C4000 SYSTEM SOFTWARE LICENSE - INTERCOM CALL LICENSE (PER CONCURRENT INTERCOM CALL)	\$958.85	x2	\$1,917.70
	Bogen NQ-C4000PBXI C4000 SERIES SYSTEM - PBX INTEGRATION SERVICES (TECH SUPPORT ASSIST WITH SIP,FXO,FXS INTEGRATIONS)	\$412.50	x1	\$412.50
	Bogen NQ-GA400P NYQUIST 2-CHANNEL AOIP GATEWAY, TWO BALANCED LINE-LEVEL INPUTS & TWO LINE-LEVEL OUTPUTS	\$506.92	x2	\$1,013.84
	Netgear GS510TPP100NAS 8P GE POE+ SMART MANAGED PRO SWITCH	\$425.88	x1	\$425.88
	Bogen CSD1X2U Bogen CSD1X2U Grille	\$65.00	x108	\$7,020.00
	Labor Installation	\$113.00	x108	\$12,204.00
	Tax Exempt			
	AtlasIED AP-15T IED Horn Loudspeaker with 25V/70.7V/100V-15W Transformer	\$120.00	x8	\$960.00

Labor Installation

\$113.00 x8 \$904.00

Tax Exempt

LEA Professional CONNECT 354

\$1,473.00 x1 \$1,473.00

4 Channel x 350 watt @ 40hm, 80hm, 70V and 100V pe

Labor Installation

\$113.00 x2 \$226.00

Tax Exempt

Labor Programming Labor

\$150.00 x2 \$300.00

Labor for System Programming and Commissioning

Tax Exempt



WBox STROBERPB

\$21.00 x2 \$42.00

Technologies

STROBE BLUE 108MA @ 12VDC



Bogen VAR1

\$138.00 x2 \$276.00

Bogen VAR1 Voice-Activated Relay



Bogen PRS2403R

\$34.00 x2 \$68.00

BOGEN PRS2403R



WBox PPS12V2AS

\$25.00 x2 \$50.00

Technologies

12VDC 2 AMP W/ SCREW TERMINALS

Labor Installation

\$113.00 x2 \$226.00

Tax Exempt

Labor Programming Labor

\$150.00 x2 \$300.00

Labor for System Programming and Commissioning

Tax Exempt



Custom 18/2 Plenum
Custom Installation Speaker Cable Per Foot

\$0.18 x6000 **\$1,080.00**

Labor Installation

\$113.00 x72 **\$8,136.00**

Tax Exempt



ALLCOMM ALL-CABLE Misc
ALL-CABLE Misc. Materials

\$1,284.53 x1 **\$1,284.53**

Labor Installation

\$113.00 x1 **\$113.00**

Tax Exempt



ALLCOMM Shipping/Freight
Shipping/Freight Charges
Tax Exempt

\$385.36 x1 **\$385.36**

Labor Programming Labor
Labor for System Programming and Commissioning
Tax Exempt

\$150.00 x24 **\$3,600.00**



ALLCOMM DISPOSAL
Disposal of Existing Legacy Equipment

\$200.00 x1 **\$200.00**

Labor Installation

\$113.00 x4 **\$452.00**

Tax Exempt

Labor Installation
Labor to Patch Holes left by Legacy Equipment and Ensure Clean Fit of New Speakers
Tax Exempt

\$113.00 x32 **\$3,616.00**



Eaton Corporation
SM2200RMXL2UP
2200VA 1920W UPS Smart Rackmount Sine Wave LCD AVR 120V USB 2U

\$1,554.42 x1 **\$1,554.42**

Est Price	Qty	Amount
\$1,938.74	x3	\$5,816.22



Tripp-Lite BP48V60RT3UTAA
TAA COMPLIANT EXTERNAL BATTERY



ALLCOMM Perf. Bond
Additional Charge for Performance Bond

\$1,673.03	x1	\$1,673.03
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Middle School Total : \$59,110.55

McGlennen Elementary

Items

Unit Price Qty Total



Dell Optiplex Micro
Optiplex Micro Server for Bogen C-4000 Paging System

\$876.62 x1 \$876.62



Bogen NQ-C4000-B2
C4000 SERIES SYSTEM SOFTWARE LICENSE - BUNDLE 2 (9 ZONES/1 CCL PK/3YR S/W UPDATES)

\$2,504.45 x1 \$2,504.45



Bogen NQ-C4000ICL
C4000 SYSTEM SOFTWARE LICENSE - INTERCOM CALL LICENSE (PER CONCURRENT INTERCOM CALL)

\$958.85 x2 \$1,917.70



Bogen NQ-C4000PBXI
C4000 SERIES SYSTEM - PBX INTEGRATION SERVICES (TECH SUPPORT ASSIST WITH SIP,FXO,FXS INTEGRATIONS)

\$412.50 x1 \$412.50



Bogen NQ-GA400P
NYQUIST 2-CHANNEL AOIP GATEWAY, TWO BALANCED LINE-LEVEL INPUTS & TWO LINE-LEVEL OUTPUTS

\$506.92 x2 \$1,013.84



Netgear GS510TPP100NAS
8P GE POE+ SMART MANAGED PRO SWITCH

\$425.88 x1 \$425.88



Bogen CSD1X2U
Bogen CSD1X2U Grille

\$65.00 x58 \$3,770.00

Labor Installation

Tax Exempt

\$113.00 x58 \$6,554.00



AtlasIED AP-15T
IED Horn Loudspeaker with 25V/70.7V/100V-15W Transformer

\$120.00 x5 \$600.00

Labor Installation

\$113.00 x5 \$565.00

Tax Exempt

LEA Professional CONNECT 354

\$1,473.00 x1 \$1,473.00

4 Channel x 350 watt @ 4Ohm, 8Ohm, 70V and 100V pe

Labor Installation

\$113.00 x2 \$226.00

Tax Exempt

Labor Programming Labor

\$150.00 x2 \$300.00

Labor for System Programming and Commissioning

Tax Exempt



WBox STROBERPB

Technologies

\$21.00 x2 \$42.00

STROBE BLUE 108MA @ 12VDC



Bogen VAR1

Bogen VAR1 Voice-Activated Relay

\$138.00 x2 \$276.00



Bogen PRS2403R

BOGEN PRS2403R

\$34.00 x2 \$68.00



WBox PPS12V2AS

Technologies

12VDC 2 AMP W/ SCREW TERMINALS

\$25.00 x2 \$50.00

Labor Installation

\$113.00 x2 \$226.00

Tax Exempt

Labor Programming Labor

\$150.00 x2 \$300.00

Labor for System Programming and Commissioning

Tax Exempt



Custom 18/2 Plenum
Custom Installation Speaker Cable Per Foot

\$0.18 x4000 **\$720.00**

Labor Installation

\$113.00 x48 **\$5,424.00**

Tax Exempt



ALLCOMM ALL-CABLE Misc
ALL-CABLE Misc. Materials

\$1,085.03 x1 **\$1,085.03**

Labor Installation

\$113.00 x1 **\$113.00**

Tax Exempt



ALLCOMM Shipping/Freight
Shipping/Freight Charges
Tax Exempt

\$325.51 x1 **\$325.51**

Labor Programming Labor

Labor for System Programming and Commissioning
Tax Exempt

\$150.00 x16 **\$2,400.00**



ALLCOMM DISPOSAL
Disposal of Existing Legacy Equipment

\$180.00 x1 **\$180.00**

Labor Installation

\$113.00 x2 **\$226.00**

Tax Exempt

Labor Installation

Labor to Patch Holes left by Legacy Equipment and Ensure Clean Fit of New Speakers



Tax Exempt

\$113.00 x16 **\$1,808.00**



ALLCOMM Perf. Bond
Additional Charge for Performance Bond

\$1,195.28 x1 **\$1,195.28**

	Eaton Corporation	SM2200RML2UP	\$1,554.42	x1	\$1,554.42
2200VA 1920W UPS Smart Rackmount Sine Wave LCD AVR 120V USB 2U					
	Tripp-Lite BP48V60RT3UTAA		\$1,938.74	x3	\$5,816.22
TAA COMPLIANT EXTERNAL BATTERY					

McGlennen Elementary Total : \$42,448.45

Parker Elementary

Proposal

Unit Price Qty Total



Dell Optiplex Micro

Optiplex Micro Server for Bogen C-4000 Paging System

\$876.62 x1 \$876.62



Bogen NQ-C4000-B2

C4000 SERIES SYSTEM SOFTWARE LICENSE - BUNDLE 2 (9 ZONES/1 CCL PK/3YR S/W UPDATES)

\$2,504.45 x1 \$2,504.45



Bogen NQ-C4000ICL

C4000 SYSTEM SOFTWARE LICENSE - INTERCOM CALL LICENSE (PER CONCURRENT INTERCOM CALL)

\$958.85 x2 \$1,917.70



Bogen NQ-C4000PBXI

C4000 SERIES SYSTEM - PBX INTEGRATION SERVICES (TECH SUPPORT ASSIST WITH SIP,FXO,FXS INTEGRATIONS)

\$412.50 x1 \$412.50



Bogen NQ-GA400P

NYQUIST 2-CHANNEL AOIP GATEWAY, TWO BALANCED LINE-LEVEL INPUTS & TWO LINE-LEVEL OUTPUTS

\$506.92 x2 \$1,013.84



Netgear GS510TPP100NAS

8P GE POE+ SMART MANAGED PRO SWITCH

\$425.88 x1 \$425.88



Bogen CSD1X2U

Bogen CSD1X2U Grille

\$65.00 x33 \$2,145.00

Labor Installation

Tax Exempt

\$113.00 x33 \$3,729.00



AtlasIED AP-15T

IED Horn Loudspeaker with 25V/70.7V/100V-15W Transformer

\$120.00 x5 \$600.00

Labor Installation

Tax Exempt

\$113.00 x5 \$565.00

LEA Professional CONNECT 354

4 Channel x 350 watt @ 40hm, 80hm, 70V and 100V pe

\$1,473.00 x1 \$1,473.00

Labor Installation

Tax Exempt

\$113.00 x2 \$226.00

Labor Programming Labor

Labor for System Programming and Commissioning

Tax Exempt

\$150.00 x2 \$300.00



WBox STROBERPB

Technologies

STROBE BLUE 108MA @ 12VDC

\$21.00 x2 \$42.00



Bogen VAR1

Bogen VAR1 Voice-Activated Relay

\$138.00 x2 \$276.00



Bogen PRS2403R

BOGEN PRS2403R

\$34.00 x2 \$68.00



WBox PPS12V2AS

Technologies

12VDC 2 AMP W/ SCREW TERMINALS

\$25.00 x2 \$50.00

Labor Installation

Tax Exempt

\$113.00 x2 \$226.00

Labor Programming Labor

Labor for System Programming and Commissioning

Tax Exempt

\$150.00 x2 \$300.00



Custom 18/2 Plenum
Custom Installation Speaker Cable Per Foot

\$0.18 x3000 **\$540.00**

Labor Installation

\$113.00 x45 **\$5,085.00**

Tax Exempt



ALLCOMM ALL-CABLE Misc
ALL-CABLE Misc. Materials

\$796.91 x1 **\$796.91**

Labor Installation

\$113.00 x1 **\$113.00**

Tax Exempt



ALLCOMM Shipping/Freight
Shipping/Freight Charges
Tax Exempt

\$239.07 x1 **\$239.07**

Labor Programming Labor
Labor for System Programming and Commissioning
Tax Exempt

\$150.00 x16 **\$2,400.00**



ALLCOMM DISPOSAL
Disposal of Existing Legacy Equipment

\$100.00 x1 **\$100.00**

Labor Installation

\$113.00 x2 **\$226.00**

Tax Exempt

Labor Installation
Labor to Patch Holes left by Legacy Equipment and Ensure Clean Fit of New Speakers
Tax Exempt

\$113.00 x12 **\$1,356.00**



Eaton Corporation
SM2200RMXL2UP
2200VA 1920W UPS Smart Rackmount Sine Wave LCD AVR 120V USB 2U

\$1,554.42 x1 **\$1,554.42**



Tripp-Lite BP48V60RT3UTAA
TAA COMPLIANT EXTERNAL BATTERY

\$1,938.74 x1 \$1,938.74



ALLCOMM Perf. Bond
Additional Charge for Performance Bond

\$913.92 x1 \$913.92

Parker Elementary Total : \$32,414.05

Financial Summary

Parts	\$107,137.66
Parts Total	\$107,137.66
Labor Total	\$107,623.00
Subtotal	\$214,760.66
Proposal Total	\$214,760.66

Payment Schedule

the 1990s, the number of people in the world who are illiterate has increased from 400 million to 500 million. The number of illiterate people in the world is expected to increase to 600 million by the year 2015. The number of illiterate people in the world is expected to increase to 700 million by the year 2020. The number of illiterate people in the world is expected to increase to 800 million by the year 2025. The number of illiterate people in the world is expected to increase to 900 million by the year 2030. The number of illiterate people in the world is expected to increase to 1 billion by the year 2035. The number of illiterate people in the world is expected to increase to 1.1 billion by the year 2040. The number of illiterate people in the world is expected to increase to 1.2 billion by the year 2045. The number of illiterate people in the world is expected to increase to 1.3 billion by the year 2050. The number of illiterate people in the world is expected to increase to 1.4 billion by the year 2055. The number of illiterate people in the world is expected to increase to 1.5 billion by the year 2060. The number of illiterate people in the world is expected to increase to 1.6 billion by the year 2065. The number of illiterate people in the world is expected to increase to 1.7 billion by the year 2070. The number of illiterate people in the world is expected to increase to 1.8 billion by the year 2075. The number of illiterate people in the world is expected to increase to 1.9 billion by the year 2080. The number of illiterate people in the world is expected to increase to 2 billion by the year 2085. The number of illiterate people in the world is expected to increase to 2.1 billion by the year 2090. The number of illiterate people in the world is expected to increase to 2.2 billion by the year 2095. The number of illiterate people in the world is expected to increase to 2.3 billion by the year 2100.

Payment 1	20% of Proposal Total • \$42,952.13	Due Upon Proposal Acceptance
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Payment 2 50% of Proposal Total • \$107,380.33 Due Upon Rough-In Completed

Payment 3 **30% of Proposal Total • \$64,428.20** Due Upon Job Completion

Project Terms

Assumptions & Clarifications:

Quotes will only be valid for 30 days unless otherwise specified in the Quote.

Shipping charges will be added to the invoice according to actual shipping rates at the time of order.

All installations are performed during business hours unless stated otherwise.

Commercial power and grounding are the responsibility of the client.

We reserve the right to cancel orders arising from errors, inaccuracies, or omissions.

This estimate is the property of Allcomm Inc. and contains confidential information. This proposal shall not be duplicated or disclosed in whole or part.

If a man-lift is required, an additional fee will be added if not specifically included in the estimate.

Parts include the manufacturer's warranty; no parts warranty is offered by Allcomm.

A local permit is additional if required.

Cable installations assume that the support structure can be reached via a 10' ladder.

Cable installations assume conduit and box or ring and string are installed for each location. Fishing wires in walls are not included in the quote and will incur a \$25.00 charge per location.

Floor cores and firewall sleeves are not included unless expressly stated.

Delays of more than 2 hours while on site will incur additional charges.

If Allcomm requires extra team members to have them on hand due to safety guidelines, additional charges will apply if not notified prior to SOW signature.

Customer acknowledges and agrees that Allcomm Communications reserves a purchase money security interest, as that term is defined in the Michigan Uniform Commercial Code (MCL 5440.93424), in and to all products, equipment, and material as more particularly itemized and described in this Agreement. If payment is not received by Customer within the terms set forth in this Agreement, Allcomm shall have the absolute right, in addition to all other rights and remedies provided in law or equity, to repossess and take control of the products subject to this Agreement wherever located. The acceptance of one or more late payments by the Customer shall in no event be construed as a waiver of this provision.

If Allcomm is required to commence any legal proceeding for the collection of charges contained in an invoice, the enforcement of the terms and conditions, or any other proceeding necessary to enforce any right of Allcomm resulting from our business relationship, the client shall be liable for all costs and expenses associated with such litigation, including reasonable attorney's fees.

Should all items listed above meet your expectations and you would like to move forward with this estimate, please sign below and return a copy to your salesperson. Please include your purchase order.



DATE \@ "MMMM d,
yyyy" \I *
MERGEFORMAT April 11,
2024
POWER COMMUNICATIONS CONTROLS

Clintondale Community Schools
ATTN: Richard Lerman
35100 Little Mack Avenue
Clinton Township, MI 48035

CCS PA System Sealed Bid



4/11/2024

Richard Lerman
Clintondale Schools
35100 Little Mack Ave.
Clinton Township, MI 48035
leremanr@clintondaleschools.net

Quote Number: N24083
Re: Clintondale Public Schools - Paging System

Dear Richard,

Thank you for the opportunity to provide Clintondale Schools with this quote for Clintondale Public Schools – Public Address System.

Scope of Work

Any modifications to the scope of work listed above must be approved by NSI Data, and a written change order completed before the requested work will be performed.

All Schools

- In MDF – All products manufactured by Bosch
 - 1 Public Address Server
 - 1 Power Supply
 - 4 channel amplifiers – 5 Total
 - High School – 2
 - Middle School, Kitchen, Virtual Offices – 1
 - Parker – 1
 - McGlennen – 1
 - 1 Call Station with Call Station Extension
- All old speakers and equipment demoed at the end of the project

High School

- Inside Speakers - 173
 - Replace 160
 - Add 13 new
- Outside Speakers - 4 new



- Strobes – 5 new

Middle School – Including Cafeteria and Kitchen

- Inside Speakers – 91
 - Replace – 78
 - Add 13 new
- Outside Speakers – 8 new
- Strobes – 2 new

McGlennen Elementary

- Inside Speakers – 58
 - Replace – 55
 - Add 3 new
- Outside Speakers – 5 new
- Strobes – 2 new

Parker Elementary

- Inside Speakers – 33
 - Replace – 30
 - Add 3 new
- Outside Speakers – 5 new
- Strobes – 2 new

Customer Responsibilities

The customer will be responsible for the following:

- All areas accessible on days of install

Notes & Assumptions

This proposal has been prepared under the following assumptions:

1. No training is included in this proposal



l work being performed at a regular hourly rate, unless noted.

If there is a need to accelerate the schedule, NSI Data will provide a quote, with overtime, for the requested shortened schedule.

3. If additional start-up time is required (beyond that which is stated in the scope of work), it will be billed on a T&M basis.
4. All changes by an authority having jurisdiction or authorization to do so will alter this proposal
5. Any painting of electrical conduit, equipment, etc. will be done by others
6. All concrete pads and/or housekeeping pads will be done by others.
7. Where the price of material, equipment, or energy increases prior to acceptance of a quote, the quote sum may be adjusted.
8. No allowances are included in this proposal.
9. No electric/cable/telephone/gas/etc... fees or usage charges are included in this proposal.
10. Nothing in this quote should be construed as a substitute for a consultation with a tax professional.

11. Lifts included at each school for higher ceiling areas

12. Drop ceilings assumed throughout

13. All outdoor speakers mounted and penetration sealed

Pricing

Pricing for the services outlined in the above scope of work is shown below.

Quote Amount: \$223,065.00

School	Price
High School	\$ 85,540.00
Middle School	\$ 55,680.00
Virtual	\$ 3,535.00
McGlennen Elementary	\$ 43,120.00
Parker Elementary	\$ 35,190.00
Total	\$ 223,065.00

The quoted price includes sales, use excise or other similar taxes.

Project Schedule

- Per RFP

Quotation Terms & Conditions



Data standard terms and conditions, and is valid for 30 days.
For a complete listing of the NSI Data standard terms and conditions, please refer to the "terms of sale" link located on our website at www.nsidata.com

Milestone Payment Schedule

The project will be billed according to the milestone payment schedule outlined below:

- A 25% down payment will be invoiced upon receipt of the signed quote or Purchase Order
- Monthly billing of labor & materials
- Last 10% upon delivery of final documentation

If you have any questions regarding this quotation, do not hesitate to contact us at 248-624-8301.

Customer Acceptance

Please reference N24083 on any purchase orders generated from this quotation.

Accepted by

Date

Title

Thank you for the opportunity to provide Clintondale Schools with this quotation.

Sincerely,
Brian Longstaff
Operations Manager



Project Summary

- Replace existing paging system with a new fully functional Bosch system
 - System to be zoned by inside and outside speakers
 - The High School, Middle School, and Virtual to be on the same system but zoned appropriately
 - Parker and McGlennen will have a complete system installed
 - 1 time License included in cost
- Drop ceiling assumed throughout the district per information given during walkthrough
- System includes a call station for each school
- Warranty
 - 3 years for electronics
 - 5 years for speakers
 - 3 year on installation
- System at each school has enough Headroom to accommodate future speaker needs
- Old system equipment to be demoed at the end of the project
 - A dumpster will be provided
- All Michigan Prevailing Wage laws adhered to

References

Similar paging projects completed at these schools

Portage Public Schools
Corey Brasher



POWER COMMUNICATIONS CONTROLS

Zeeland Public Schools
Robert Wilson
rwilson@zps.org



April 11, 2024

Mr. Richard Lerman
Technology Director
Clintondale Community Schools
35100 Little Mack Avenue
Clinton Township, MI 48035
586-791-6300 x1023
lermanr@clintondaleschools.net

RE: CCS PA System sealed bid

Hello Mr. Lerman, thank you for the opportunity to submit a proposal for the Public Address systems for the Clintondale Community School district. As you are aware, Sound Planning Communications was the contractor on the Rainbow elementary PA system, and we have been able to maintain a solid working relationship with you, and your team. In accordance with your bid request, we hereby offer the following:

Executive Summary:

The Sound Planning Communications (SPC) team partners with clients to design audio, visual, and communication solutions that are specific to educational, business, and religious applications. Be it new design, system upgrades, programming modifications, acoustics or troubleshooting, our AVL experts are confident to tackle it. Unlike most AV integrators, we are uniquely qualified to design, build, and maintain systems of any scope and size. We leverage technology and fifty years of experience to your advantage.

SPC can turn any environment into a state-of-the-art, multimedia hub, complete with video projectors, motorized projection screens, interactive displays, high fidelity audio tuned to the specifics of the surroundings, and state-of-the-art, district-wide public address systems that tackle our modern-day challenges. We are high-performance, high fidelity, high definition, and highly recommended. Our greatest accomplishment is not building relationships, it's sustaining them.

Bidder Information, Qualifications, and References:

Sound Planning Communications, Inc.
13000 Inkster Road
Redford, MI 48239
313-255-4100

Jeff Wilshaw, AVL Sales Specialist (41 years of AVL experience)
jwilshaw@soundplanning.net

Sound Planning Communications is the largest Bogen dealer in Southeast Michigan, and a top 10 in the United States. We have the experience with these systems to make this a smooth and effortless transition for the school district. Our sales, solutions architects, certified systems integrators and implementation team hold several Bogen certifications in installation, programming and the service of Bogen hardware and software products.



References:

Rainbow Elementary
Clintondale School District
Mr. Rich Lerman
lermanr@clintondaleschools.net

Divine Child Schools
High School and Elementary
Mr. Marc Wolney
wolneym@divinechildhighschool.org

Northville Public Schools
District Wide
Mr. Andrew Piazza, Director of Technology and Instructional Integration
piazzaan@northvilleschools.org

Itemized pricing of materials, software, etc.:

- Please see attached spreadsheets listing bill of materials and pricing per the grid in the RFP
- Per the requirements for all schools (ref. RFP Section 1.2) and as discussed during the pre-bid walkthrough on March 27, 2024, (new wiring and speakers/horn at all locations specified in the appendix. This includes existing inside speakers.
- The High School, iCampus, and Middle school will be controlled by a single controller to be located inside the MDF that is in the iCampus. This meets the needs of section 1.2 in the RFP
- This methodology offers the most redundant approach without reliance on network infrastructure for basic operation campus wide
- Zoning for the High School Campus/building to be as follows:
 - High School classrooms
 - High School hallways
 - High School outdoors
 - High School Cafe
 - Middle School classrooms
 - Middle School hallways
 - Middle School outdoors
 - Middle School Cafe
 - Kitchen
 - Courtyards
- High School classrooms will use a Bogen MB8TSL surface mount speaker
 - We believe that the ceiling is Asbestos, out of caution, we prefer to avoid
 - Remove existing wall mounted baffle speaker and replace with new
- Middle School Classrooms
 - Recommend abandoning the current location in the woodwork
 - Any patch work would look "out of place"
- Areas with ceiling mounted speakers and the MS classrooms will use Bogen CSD1x2
- Outdoor horns and gym/pool areas will use the Bogen FMH15T reentrant type horn assembly
- Hallways in the middle school currently have (11) bi-directional speaker
 - Our base quote includes 13 bi-directional speakers (Lowell BSG8)
 - We do not recommend this philosophy and offer our alternate listed below

design

sound

sales

video

installation

intercom

service

acoustics

rentals

- Elementary schools to be zoned as follows:
 - Inside classrooms
 - Inside hallways
 - Outside
- Prevailing wage will be paid to employee's as outlined in the RFP

Alternates:

Alternates pertaining to each building bring the school district to Sound Plannings' Standard practices of which we have learned over 45+ years in business and hundreds of school systems the best way to communicate to a large student population. Some of the positives with these alternates are:

- Maximum vocal articulation by utilizing best practices (speakers in a single direction)
 - Speakers opposing themselves create confusion and echo
- Hallways have a speaker every 30' on average within critical listening distance
 - No Bi-directional speakers whatsoever
- Push button panic station in the Main Office for each school
- Toa desktop microphone with Push-to-Talk button for announcements in the Main Office
- Bluetooth audio input device located in the Main Office for each school
- Color coded wiring system to allow for easier maintenance in the future

Pricing, in synopsis form:

		<u>Base</u>	<u>Alternate</u>
	High School base system as outlined above:	\$98,768	
	High School alternates:		\$104,412
	Middle School base system as outline above:	\$76,041	
	Middle School alternates:		\$81,244
	Cafeteria and Kitchen area as outlined	\$13,127	
design	Cafeteria and Kitchen alternates		\$14,445
	iCampus base system as outline above:	\$6,031	
	iCampus alternates:		\$6,906
sound	McGlennen Elementary base system as outlined above:	\$53,632	
	McGlennen Elementary alternates:		\$56,276
sales	Parker Elementary base system as outlined above:	\$56,550	
	Parker Elementary alternates:		\$59,810
video	Grand Total for all systems (base or alternate):	\$304,149	\$323,093
installation	NOTE: 1-year: software and maintenance/warranty is included.		
	Optional 3-Year Software Update Subscription:		\$13,516
	Optional 3-Year Maintenance Contract*:		\$58,464
intercom	*Maintenance contract does not cover construction, demolition, or acts of God		

Descriptions and/or brochures for the system:

service	Bogen Nyquist educator's brochure
acoustics	Bogen SUS (Software Update Subscription) documentation
	Bogen CSD1x2u, 12"x24", ceiling speaker
	Bogen MB8TSL 8" baffle assembly intended for Walls
rentals	Bogen FMH15T reentrant horn assembly
	Juice Goose SRA-15000 High powered UPS
	Rolls BD87 Bluetooth device
	TOA PM660U

Custom SPC push-button emergency panel
Signal Guys 495S-12-80G green micro strobe light
RDL TX-PCR1 paging relay for control of strobe lights

Maintenance Contract: please see optional contract information above.

Statement of Warranty: please see disclosure attached

The installation work 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 premises through natural or man-made events, such as fire, storm construction, etc.).

All new equipment, materials and labor provided by Sound Planning will be covered by our one-year warranty.

3 paper copies, 1 copy electronic (USB)

- Submitted as requested

Clintondale Community Schools Responsibilities:

- Provide a network access port in either the MDF or IDF for the PA system
 - Sound Planning will use a non-managed network switch for the system
- Programming of the above-mentioned port
- Completion of the IP address request document 10 business days before project start
- Access to the building Monday thru Friday 6am to 6pm
- Limitations for access to building communicated 10 business days before project start
- Telephone provider to authorize SIP or SIP Trunk functions on the Panasonic system
 - FYI-Bogen has a one-time charge for telephone interface, in which we will purchase on your behalf. Switching to a new phone system will be included with both SPC and Factory support.
- Necessary ceiling tiles at time of installation to replace existing speakers and tiles

We appreciate this opportunity to submit the attached bid and details. If we can provide additional information, please contact us via email or telephone.

Sincerely,

Jeff Wilshaw

Jeff Wilshaw
AVL Sales Specialist
(313) 255-4100
jwilshaw@soundplanning.net

design
sound
sales
video
installation
intercom
service
acoustics
rentals

CLINTONDALE HS BASE

Manuf	Model	Bill of Materials - PA System Replacement	Qty	Unit Pricing	Total Unit Pricing	Extended Unit Pricing	Extended Total Pricing
Bogen	NQ-B24CU	E7000 Intercommunication system with rack mounting kit	1	\$ -	\$ -	\$ 258.30	\$ 258.30
Dell	Optiplex Micro i5	Intercom Server	1	\$ 1,089.43	\$ 1,089.43	\$ 1,336.15	\$ 1,336.15
Bogen	NQE7000SWL	System License	1	\$ 7,751.12	\$ 7,751.12	\$ 8,716.79	\$ 8,716.79
Bogen	NQE7000SSL	Station license pk. (25)	1	\$ 888.16	\$ 888.16	\$ 1,113.16	\$ 1,113.16
Bogen	NQE7000CCL	Concurrent Call License	1	\$ 1,487.39	\$ 1,487.39	\$ 1,777.06	\$ 1,777.06
Bogen	NQE7030	Analog Station Bridge (25 port)	0	\$ -	\$ -	\$ 129.15	\$ -
Bogen	NQPD100	Matrix Preamp	1	\$ 581.98	\$ 581.98	\$ 773.94	\$ 773.94
Bogen	NQE7010	I/O Controller	1	\$ 368.36	\$ 368.36	\$ 537.26	\$ 537.26
Bogen	NQT1100	Administrative IP Phone	1	\$ 596.73	\$ 596.73	\$ 790.28	\$ 790.28
Bogen	NQE7000SIP7IE	SIP Tie Line Integration	1	\$ 405.24	\$ 405.24	\$ 1,063.97	\$ 1,063.97
Bogen	NQ-A4300	Quad 300w ethernet based amplifier for all call systems	1	\$ 2,202.70	\$ 2,202.70	\$ 2,809.42	\$ 2,809.42
SPC	Transfer	Transfer existing building wire to new system (All Call)	1	\$ -	\$ -	\$ 3,099.60	\$ 3,099.60
Trendnet		8 port POE data switch	0	\$ 182.24	\$ -	\$ 331.06	\$ -
Avantis	AN-210-SWR-16-POE	16 port POE data switch (used on systems with 3 or more ASB's)	1	\$ 612.27	\$ 612.27	\$ 807.50	\$ 807.50
Middle Atlantic	ERK-2120	Floor Rack with rear door and accessories	0	\$ 660.96	\$ -	\$ 1,765.49	\$ -
Middle Atlantic	EW-10-2ZSD	10Ru swing rack with front door (middle atlantic or Lowell)	0	\$ 580.04	\$ -	\$ 1,675.84	\$ -
		0	0	\$ -	\$ -	\$ -	\$ -
Juice Goose	JG9	Juice Goose Power Strip, rack mounted with protection	1	\$ 91.12	\$ 91.12	\$ 230.10	\$ 230.10
Juice Goose	SRA-15000	High Powered UPS Battery Back up	0	\$ 694.96	\$ -	\$ 899.11	\$ -
RDL	D-XLR3F	Mic input into system	0	\$ 34.00	\$ -	\$ 166.82	\$ -
Rolls	BD87	Blue Tooth input into system	0	\$ 80.38	\$ -	\$ 218.20	\$ -
Vertical Cable	KIT	RJ45, Keystone plate	0	\$ 10.20	\$ -	\$ 75.88	\$ -
Wiremold	V5744	Single gang surface box	0	\$ 34.00	\$ -	\$ 102.24	\$ -
Wiremold	V700	Surface raceway kit, 10' (for Rolls and each Volume Controls)	0	\$ 47.60	\$ -	\$ 181.89	\$ -
TOA	PM660U	Desk Microphone with XLR connector	0	\$ 145.38	\$ -	\$ 290.22	\$ -
		0	0	\$ -	\$ -	\$ -	\$ -
Bogen	AT10A	Volume Attenuator (for counseling and small offices)	0	\$ 32.75	\$ -	\$ 100.86	\$ -
Bogen	FMH15T +	Paging horn, back box, vandal proof grill, stainless steel	8	\$ 227.76	\$ 1,822.07	\$ 446.06	\$ 3,568.52
Bogen	MB8TSL	8" Surface Mount metal enclosure with speaker (use SL for slant version)	60	\$ 57.76	\$ 3,465.55	\$ 126.57	\$ 7,714.06
Bogen	S810T725PG8W	Flush 8" Ceiling Speaker kit with T88 and RE84	0	\$ 52.07	\$ -	\$ 186.84	\$ -
Bogen	CSD1X2U	1 X 2 Drop in Speaker Assembly-Off White (use U for Bright White)	113	\$ 67.82	\$ 7,640.97	\$ 139.49	\$ 15,762.58
Lowell	B5G-8	Bi-Directional Baffle with speaker (used for hallways) (with S810T725 spkr)	0	\$ 153.30	\$ -	\$ 298.99	\$ -
0	0	0	0	\$ -	\$ -	\$ -	\$ -
Signal Guys	495S-12-80G	Green micro strobe, 12-80vdc (add power supply, relay, plate, box and 18/2 wire)	5	\$ 118.32	\$ 591.60	\$ 389.39	\$ 1,946.95
RDL	PS-24v3a	24vdc, 3amp power supply	1	\$ 126.44	\$ 126.44	\$ 269.23	\$ 269.23
RDL	TX-PCR1	Paging relay	1	\$ 207.69	\$ 207.69	\$ 359.25	\$ 359.25
		0	0	\$ -	\$ -	\$ -	\$ -
		0	0	\$ -	\$ -	\$ -	\$ -
West Penn	WPW 25-357	22awg, 2pair, 1 pair shielded, plenum, white (individual circuits with call button)	0	\$ 207.40	\$ -	\$ 2,167.03	\$ -
West Penn	25224BYH1000	18awg, 1pair, NON shielded, white, 1000' (classroom circuits)	4	\$ 182.24	\$ 728.96	\$ 2,139.16	\$ 8,556.63
West Penn	25224BGN1000	18awg, 1pair, NON shielded, green, 1000' (hallways only)	2	\$ 182.24	\$ 364.48	\$ 2,139.16	\$ 4,278.32
West Penn	25224BOR1000	18awg, 1pair, NON shielded, orange, 1000' (strobe systems only)	2	\$ 182.24	\$ 364.48	\$ 2,139.16	\$ 4,278.32
West Penn	25224BBL1000	18awg, 1pair, NON shielded, black, 1000' (outdoor only)	1	\$ 182.24	\$ 182.24	\$ 2,139.16	\$ 2,139.16
West Penn	WPW 25-4245	Cat5e Plenum cable	1	\$ 252.28	\$ 252.28	\$ 2,216.76	\$ 2,216.76
		0	0	\$ -	\$ -	\$ -	\$ -
		0	0	\$ -	\$ -	\$ -	\$ -
NOTES:		Data ports to connect to the LAN will be needed	0	\$ -	\$ -	\$ -	\$ -
		It is not unusual in retrofit installations to find some issues in the existing speakers or wiring. We suggest budgeting an extra 10-15% to cover any repairs if necessary. SPC will quote and seek approval before proceeding.	0	\$ -	\$ -	\$ -	\$ -
		0	0	\$ -	\$ -	\$ -	\$ -
		0	0	\$ -	\$ -	\$ -	\$ -
		0	0	\$ -	\$ -	\$ -	\$ -
		0	0	\$ -	\$ -	\$ -	\$ -
		0	0	\$ -	\$ -	\$ -	\$ -
		0	0	\$ -	\$ -	\$ -	\$ -
		0	0	\$ -	\$ -	\$ -	\$ -
		Wire hanging hardware (1 for every 25')	300	\$ 3.06	\$ 918.00	\$ 67.97	\$ 20,389.57
		0	0	\$ -	\$ -	\$ -	\$ -
SPC	MISC	Connectors, hardware, cabling	1	\$ 29.47	\$ 982.18	\$ -	\$ 1,055.84
SPC	DOC	Documentation	1	\$ -	\$ -	\$ -	\$ -
SPC	COMM	Commissioning	1	\$ -	\$ 24.00	\$ 984.00	\$ 984.00
SPC	WARRANTY	Warranty	1	\$ -	\$ 12.60	\$ 516.60	\$ 516.60
SPC	PGRM	System Programming	1	\$ -	\$ 48.00	\$ 1,968.00	\$ 1,968.00
						\$ -	\$ -

Material	\$ 32,739.25
Misc Material	\$ 982.18
Sales Tax	\$ -
Installation	\$ 54,660.00
Engineering	\$ 6,321.00
Shipping	\$ 674.43
Environmental Fee	\$ 982.18
Sub Total	\$ 96,359.04
Bond	\$ 2,408.98
Fees	\$ -
Grand Total	\$ 98,768.01

CLINTONDALE MS BASE

Manuf	Model	Bill of Materials - PA System Replacement	Qty	Unit Pricing	Total Unit Pricing	Extended Unit Pricing	Extended Total Pricing
Bogen	NQ-B24CU	ET000 Intercommunication system with rack mounting kit	1	\$	-	\$	259.56
Dell	Optiplex Micro i5	Intercom Server	0	\$	1,069.43	\$	1,342.67
Bogen	NQE7000SWL	System License	0	\$	7,751.12	\$	8,759.31
Bogen	NQE7000SL	Station license pk. (25)	0	\$	888.16	\$	1,118.59
Bogen	NQE7000CL	Concurrent Call License	0	\$	1,487.39	\$	1,785.73
Bogen	NQE7030	Analog Station Bridge (25 port)	0	\$	-	\$	129.78
Bogen	NQFO100	Matrix Preamp	1	\$	581.98	\$	777.72
Bogen	NQE7010	300 Controller	1	\$	368.36	\$	539.88
Bogen	NGT1100	Administrative IP Phone	1	\$	596.73	\$	794.13
Bogen	NQE7000SPTIE	SIP Tie Line Integration	0	\$	405.24	\$	1,069.16
Bogen	NQ-A4300	Quad 300w ethernet based amplifier for all call systems	1	\$	2,202.70	\$	2,823.12
SPC	Transfer	Transfer existing building wire to new system (All Call)	1	\$	-	\$	3,114.72
Trendnet		8 port POE data switch	0	\$	182.24	\$	332.67
Arakis	AN-210-SW-R-16-POE	16 port POE data switch (used on systems with 3 or more ASB's)	0	\$	612.27	\$	811.44
Middle Atlantic	ERK-2120	Floor Rack with rear door and accessories	0	\$	660.96	\$	1,774.10
Middle Atlantic	EW-10-22SD	10RU swing rack with front door (middle atlantic or Lowell)	0	\$	580.04	\$	1,684.01
		0	0	\$	-	\$	-
Juice Goose	JG9	Juice Goose Power Strip, rack mounted with protection	0	\$	91.12	\$	231.23
Juice Goose	SRA-15000	High Powered UPS Battery Back up	0	\$	694.96	\$	903.50
RDL	D-XLR3P	Micro input into system	0	\$	34.00	\$	167.63
Rolls	BD87	Blue Tooth input into system	0	\$	80.38	\$	219.26
Vertical Cable	Kit	RJ45 Keystone plate	0	\$	10.20	\$	76.25
Wiremold	V5744	Single gang surface box	0	\$	34.00	\$	102.74
Wiremold	V700	Surface raceway kit, 10' (for Rolls and each Volume Controls)	0	\$	47.60	\$	182.77
TOA	PM660U	Desk Microphone with XLR connector	0	\$	145.38	\$	291.64
		0	0	\$	-	\$	-
Bogen	AT10A	Volume Attenuator (for counselling and small offices)	0	\$	32.75	\$	101.35
Bogen	FM-115T +	Paging horn, back box, vandal proof grill, stainless steel,	8	\$	227.76	\$	448.24
Bogen	MB8TSL	8" Surface Mount metal enclosure with speaker (use SL for slant version)	0	\$	57.76	\$	129.19
Bogen	S810T72SPG8W	Flush 8" Ceiling Speaker kit with TB8 and RE94	0	\$	52.07	\$	187.76
Bogen	CSD1X2U	1 X 2 Drop in Speaker Assembly-Off White (use U for Bright White)	80	\$	67.62	\$	140.17
Lowell	BSG-8	Bi-Directional Baffle with speaker (used for hallways) (with S810T725 spt.)	11	\$	153.30	\$	300.45
		0	0	\$	-	\$	-
Signal Guys	495S-12-80G	Green micro strobe, 12-80vdc (add power supply, relay, plate, box and 18/2 wire)	2	\$	118.32	\$	361.29
RDL	PS-24v3a	24vdc, 3amp power supply	1	\$	126.44	\$	270.55
RDL	TX-PCR1	Paging relay	1	\$	207.69	\$	361.00
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
West Penn	WPW 25-357	22awg, 2pair, 1 pair shielded, plenum, white (individual circuits with call button)	0	\$	207.40	\$	2,177.60
West Penn	25224BWH1000	18awg, 1pair, NON shielded, white, 1000' (classroom circuits)	4	\$	182.24	\$	728.96
West Penn	25224BGN1000	18awg, 1pair, NON shielded, green, 1000' (hallways only)	3	\$	182.24	\$	546.72
West Penn	25224BOR1000	18awg, 1pair, NON shielded, orange, 1000' (strobe systems only)	1	\$	182.24	\$	182.24
West Penn	25224BBL1000	18awg, 1pair, NON shielded, black, 1000' (outdoor only)	2	\$	182.24	\$	364.48
West Penn	WPW 25-4245	Cat5e Plenum cable	1	\$	252.28	\$	2,227.57
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
NOTES:		Data ports to connect to the LAN will be needed	0	\$	-	\$	-
		It is not unusual in retrofit installations to find some issues in the existing	0	\$	-	\$	-
		speakers or wiring. We suggest budgeting an extra 10-15% to cover any	0	\$	-	\$	-
		repairs if necessary. SPC will quote and seek approval before proceeding.	0	\$	-	\$	-
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
		Demolition is not included with this quote	1	\$	-	\$	-
		Wire hanging hardware (1 for every 25')	300	\$	3.08	\$	924.00
		0	0	\$	-	\$	-
SPC	MISC	Connectors, hardware, cabling	1	\$	74.81	\$	486.93
SPC	DOC	Documentation	1	\$	-	\$	-
SPC	COMM	Commissioning	1	\$	-	\$	988.80
SPC	WARRANTY	Warranty	1	\$	-	\$	519.12
SPC	PGRM	System Programming	1	\$	-	\$	1,977.60
						\$	-

Material	\$	16,231.11
Misc Material	\$	486.93
Sales Tax	\$	-
Installation	\$	50,640.00
Engineering	\$	5,946.00
Shipping	\$	334.36
Environmental Fee	\$	486.93
Sub Total	\$	73,825.34
Bond	\$	2,214.76
Fees	\$	-
Grand Total	\$	76,040.10

ICAMPUS BASE

Manuf	Model	Bill of Materials - PA System Replacement	Qty	Unit Pricing	Total Unit Pricing	Extended Unit Pricing	Extended Total Pricing
Bogen	NQ-B24CU	E7000 Intercommunication system with rack mounting kit	1	\$	-	\$	259.56
Bell	OptiFlex Micro 15	Intercom Server	0	\$	1,129.48	\$	1,387.28
Bogen	NQE7000SWL	System License	0	\$	8,036.08	\$	9,076.57
Bogen	NQE7000SSL	Station license pk. (25)	0	\$	920.81	\$	1,154.95
Bogen	NQE7000CCL	Concurrent Call License	0	\$	1,542.07	\$	1,846.61
Bogen	NQE7030	Analog Station Bridge (25 port)	0	\$	-	\$	129.78
Bogen	NQPO100	Matrix Preamp	1	\$	603.38	\$	801.54
Bogen	NQE7010	I/O Controller	1	\$	381.90	\$	554.96
Bogen	NQT1100	Administrative IP Phone	1	\$	618.67	\$	818.56
Bogen	NQE7000SPTIE	SIP Tie Line Integration	0	\$	420.14	\$	1,085.75
Bogen	NQ-A2060	dual 80w ethernet based amplifier for all call systems	1	\$	781.30	\$	1,240.64
SPC	Transfer	Transfer existing building wire to new system (All Call)	0	\$	-	\$	3,114.72
Trendnet		8 port POE data switch	0	\$	188.94	\$	340.13
Arakis	AN-210-SW-R-16-POE	16 port POE data switch (used on systems with 3 or more ASB's)	0	\$	634.78	\$	836.50
Middle Atlantic	ERK-2120	Floor Rack with rear door and accessories	0	\$	685.26	\$	1,801.16
Middle Atlantic	EW-10-22SD	10RU swing rack with front door (middle atlantic or Lowell)	0	\$	601.37	\$	1,707.76
		0	0	\$	-	\$	-
Juice Goose	JG9	Juice Goose Power Strip, rack mounted with protection	0	\$	94.47	\$	234.96
Juice Goose	SRA-15000	High Powered UPS Battery Back up	0	\$	720.51	\$	931.94
RDL	D-XLR3F	Mic input into system	0	\$	35.25	\$	186.02
Rolla	BD87	Blue Tooth input into system	0	\$	83.33	\$	222.55
Vertical Cable	Kit	RJ45, Keystone plate	0	\$	10.50	\$	76.66
Wiremold	V5744	Single gang surface box	0	\$	35.25	\$	104.13
Wiremold	V700	Surface raceway kit, 10' for Rolla and each Volume Controls	0	\$	49.35	\$	184.72
TOA	PM660U	Desk Microphone with XLR connector	0	\$	150.73	\$	297.59
		0	0	\$	-	\$	-
Bogen	AT10A	Volume Attenuator (for counseling and small offices)	0	\$	33.86	\$	102.69
Bogen	FMH1ST +	Paging horn, back box, vandal proof grill, stainless steel	0	\$	236.13	\$	457.56
Bogen	MB8TSL	8" Surface Mount metal enclosure with speaker (use SL for slant version)	2	\$	59.88	\$	131.56
Bogen	S810T72SPG8W	Flush 8" Ceiling Speaker kit with TB8 and RE84	0	\$	53.89	\$	189.89
Bogen	CSD1X2U	1 X 2 Drop in Speaker Assembly-Off White (use U for Bright White)	5	\$	70.11	\$	142.94
Lowell	B5G-8	Bi-Directional Baffle with speaker (used for hallways) (with S810T725 spkg)	0	\$	158.94	\$	306.73
		0	0	\$	-	\$	-
Signal Guys	495S-12-80G	Green micro strobe, 12-80vdc (add power supply, relay, plate, box and 18/2 wire)	0	\$	122.67	\$	396.13
RDL	PS-24v3a	24vdc, 3amp power supply	0	\$	131.09	\$	275.72
RDL	TX-PCR1	Paging relay	0	\$	215.32	\$	369.50
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
West Penn	WPW 25-357	22awg, 2pair, 1 pair shielded, plenum, white (individual circuits with call button)	0	\$	215.03	\$	2,186.09
West Penn	7+	18awg, 1pair, NON shielded, white, 1000' (classroom circuits)	1	\$	188.94	\$	2,157.05
West Penn	25224BGNT1000	18awg, 1pair, NON shielded, green, 1000' (hallways only)	0	\$	188.94	\$	2,157.05
West Penn	25224BORT1000	18awg, 1pair, NON shielded, orange, 1000' (strobe systems only)	0	\$	188.94	\$	2,157.05
West Penn	25224BBL1000	18awg, 1pair, NON shielded, black, 1000' (outdoor only)	0	\$	188.94	\$	2,157.05
West Penn	WPW 25-4245	Cat5e Plenum cable	1	\$	261.56	\$	2,237.90
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
NOTES:		Data ports to connect to the LAN will be needed	0	\$	-	\$	-
		It is not unusual in retrofit installations to find some issues in the existing	0	\$	-	\$	-
		speakers or wiring. We suggest budgeting an extra 10-15% to cover any	0	\$	-	\$	-
		repairs if necessary. SPC will quote and seek approval before proceeding.	0	\$	-	\$	-
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
		Demolition is not included with this quote	1	\$	-	\$	-
		Wire hanging hardware (1 for every 25')	30	\$	3.17	\$	68.42
		0	0	\$	-	\$	-
SPC	MISC	Connectors, hardware, cabling	1	\$	3.06	\$	110.20
SPC	DOC	Documentation	1	\$	-	\$	-
SPC	COMM	Commissioning	1	\$	-	\$	494.40
SPC	WARRANTY	Warranty	1	\$	-	\$	519.12
SPC	PGRM	System Programming	1	\$	-	\$	494.40

Material	\$	3,401.20
Misc Material	\$	102.04
Sales Tax	\$	-
Installation	\$	7,500.00
Engineering	\$	1,689.00
Shipping	\$	70.06
Environmental Fee	\$	102.04
Sub Total	\$	12,744.34
Bond	\$	382.33
Fees	\$	-
Grand Total	\$	13,126.67

CAFE BASE

Material	\$	1,396.79
Misc Material	\$	41.87
Sales Tax	\$	-
Installation	\$	4,140.00
Engineering	\$	267.00
Shipping	\$	28.75
Environmental Fee	\$	41.87
Sub Total	\$	5,855.29
Bond	\$	175.66
Fees	\$	-
Grand Total	\$	6,030.95

MCGLINNEN ES BASE

Manuf	Model	Bill of Materials - PA System Replacement	Qty	Unit Pricing	Total Unit Pricing	Extended Unit Pricing	Extended Total Pricing
Bogen	NQ-B24CU	E7000 Intercommunication system with rack mounting kit	1	\$	-	\$	259.56
Dell	Optiplex Micro i5	Intercom Server	1	\$	1,089.43	\$	1,342.67
Bogen	NQE7000SWL	System License	1	\$	7,751.12	\$	8,759.31
Bogen	NQE7000SSL	Station license pk. (25)	1	\$	888.16	\$	1,118.59
Bogen	NQE7000CCL	Concurrent Call License	1	\$	1,487.39	\$	1,785.73
Bogen	NQE7030	Analog Station Bridge (25 port)	1	\$	-	\$	129.78
Bogen	NQPO100	Matrix Preamp	1	\$	581.98	\$	777.72
Bogen	NQE7010	I/O Controller	1	\$	368.36	\$	539.88
Bogen	NQT1100	Administrative IP Phone	1	\$	596.73	\$	794.13
Bogen	NQE7000SIPTE	SIP Tie Line Integration	1	\$	405.24	\$	1,069.16
Bogen	NQ-A4960	Quad 300w ethernet based amplifier for all call systems	1	\$	1,138.50	\$	1,638.32
SPC	Transfer	Transfer existing building wire to new system (All Call)	0	\$	-	\$	3,114.72
Trendnet		8 port POE data switch	1	\$	182.24	\$	332.67
Arakis	AN-210-SW-R-16-POE	16 port POE data switch (used on systems with 3 or more ASB's)	0	\$	612.27	\$	811.44
Middle Atlantic	ERK-2120	Floor Rack with rear door and accessories	0	\$	660.96	\$	1,774.10
Middle Atlantic	ENR-10-2250	10RU swing rack with front door (middle atlantic or Lowell)	0	\$	580.04	\$	1,884.01
		0	0	\$	-	\$	-
Juice Goose	JG9	Juice Goose Power Strip, rack mounted with protection	1	\$	91.12	\$	231.23
Juice Goose	SRA-15000	High Powered UPS Battery Back up	0	\$	694.96	\$	903.50
ROL	D-XLR3F	Mic input into system	0	\$	34.00	\$	167.63
Rolls	BDB7	Blue Tooth input into system	0	\$	80.38	\$	219.26
Vertical Cable	Kit	RJ45, Keystone plate	0	\$	10.20	\$	76.25
Wiremold	V5744	Single gang surface box	0	\$	34.00	\$	102.74
Wiremold	V700	Surface raceway kit, 10' for Rolls and each Volume Controls	0	\$	47.60	\$	182.77
TOA	PM690U	Desk Microphone with XLR connector	0	\$	145.38	\$	291.64
		0	0	\$	-	\$	-
Bogen	AT10A	Volume Attenuator (for counseling and small offices)	0	\$	32.75	\$	101.35
Bogen	FMH15T +	Paging horn, back box, vandal proof grill, stainless steel	7	\$	227.76	\$	1,594.31
Bogen	MB8TSL	8" Surface Mount metal enclosure with speaker (use SL for slant version)	25	\$	57.76	\$	1,443.98
Bogen	S810T725PGW	Flush 8" Ceiling Speaker kit with TB8 and RE-84	0	\$	52.07	\$	187.76
Bogen	CSD1X2LJ	1 X 2 Drop in Speaker Assembly-Off White (use U for Bright White)	6	\$	67.62	\$	405.72
Lowell	BSG-6	Bi-Directional Baffle with speaker (used for hallways) (with S810T725 spkr)	0	\$	153.30	\$	306.46
0	0	0	0	\$	-	\$	-
Signal Guys	495S-12-60G	Green micro strobe, 12-60vdc (add power supply, relay, plate, box and 18/2 wire)	2	\$	118.32	\$	236.64
ROL	PS-24v3a	24vdc, 3amp power supply	1	\$	126.44	\$	270.55
ROL	TX-PCR1	Paging relay	1	\$	207.69	\$	207.69
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
West Penn	WPW 25-357	22awg, 2pair, 1 pair shielded, plenum, white (individual circuits with call button)	0	\$	207.40	\$	2,177.60
West Penn	25224BWH1000	18awg, 1pair, NON shielded, white, 1000' (classroom circuits)	2	\$	182.24	\$	364.48
West Penn	25224BGN1000	18awg, 1pair, NON shielded, green, 1000' (hallways only)	1	\$	182.24	\$	182.24
West Penn	25224BOR1000	18awg, 1pair, NON shielded, orange, 1000' (strobe systems only)	1	\$	182.24	\$	182.24
West Penn	25224BBL1000	18awg, 1pair, NON shielded, black, 1000' (outdoor only)	1	\$	182.24	\$	182.24
West Penn	WPW 25-4245	Cat5e Plenum cable	1	\$	252.28	\$	252.28
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
NOTES:		Data ports to connect to the LAN will be needed	0	\$	-	\$	-
		It is not unusual in retrofit installations to find some issues in the existing	0	\$	-	\$	-
		speakers or wiring. We suggest budgeting an extra 10-15% to cover any	0	\$	-	\$	-
		repairs if necessary. SPC will quote and seek approval before proceeding.	0	\$	-	\$	-
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
		On RFP McGlinn and Parker numbers are transposed	0	\$	-	\$	-
		Wire hanging hardware (1 for every 25')	150	\$	3.66	\$	469.00
		0	0	\$	-	\$	-
SPC	MISC	Connectors, hardware, cabling	1	\$	18.30	\$	606.53
SPC	DOC	Documentation	1	\$	-	\$	-
SPC	COMM	Commissioning	1	\$	-	\$	28.80
SPC	WARRANTY	Warranty	1	\$	-	\$	15.12
SPC	PGRM	System Programming	1	\$	-	\$	28.80
							\$

Material	\$	20,217.52
Misc Material	\$	606.53
Sales Tax	\$	-
Installation	\$	26,280.00
Engineering	\$	3,942.00
Shipping	\$	416.48
Environmental Fee	\$	606.53
Sub Total	\$	52,069.05
Bond	\$	1,562.07
Fees	\$	-
Grand Total	\$	53,631.12

PARKER ES BASE

Model	Bill of Materials - PA System Replacement	Qty	Unit Pricing	Total Unit Pricing	Extended Unit Pricing	Extended Total Pricing
NQ-B24CU	E7000 Intercommunication system with rack mounting kit	1	\$ -	\$ -	\$ 259.56	\$ 259.56
Optiplex Micro i5	Intercom Server	1	\$ 1,089.43	\$ 1,089.43	\$ 1,342.67	\$ 1,342.67
NQE7000SWL	System License	1	\$ 7,751.12	\$ 7,751.12	\$ 8,759.31	\$ 8,759.31
NQE7000SSL	Station license pk. (25)	1	\$ 888.16	\$ 888.16	\$ 1,118.59	\$ 1,118.59
NQE7000CCL	Concurrent Call License	1	\$ 1,487.39	\$ 1,487.39	\$ 1,785.73	\$ 1,785.73
NQE7030	Analog Station Bridge (25 port)	1	\$ -	\$ -	\$ 129.78	\$ 129.78
NQPO100	Matrix Preamp	1	\$ 581.98	\$ 581.98	\$ 777.72	\$ 777.72
NQE7010	I/O Controller	1	\$ 368.36	\$ 368.36	\$ 539.88	\$ 539.88
NQT1100	Administrative IP Phone	1	\$ 586.73	\$ 586.73	\$ 794.13	\$ 794.13
NQE7000SIPTIE	SIP Tie Line Integration	1	\$ 405.24	\$ 405.24	\$ 1,069.16	\$ 1,069.16
NQ-A4060	Quad 300w ethernet based amplifier for all call systems	1	\$ 1,138.50	\$ 1,138.50	\$ 1,638.32	\$ 1,638.32
Transfer	Transfer existing building wire to new system (All Call)	0	\$ -	\$ -	\$ 3,114.72	\$ -
	8 port POE data switch	1	\$ 182.24	\$ 182.24	\$ 332.67	\$ 332.67
AN-210-SW-R-16-POE	16 port POE data switch (used on systems with 3 or more ASB's)	0	\$ 612.27	\$ -	\$ 811.44	\$ -
ERRK-2120	Floor Rack with rear door and accessories	0	\$ 660.96	\$ -	\$ 1,774.10	\$ -
EW-R-10-22SD	10ftu swing rack with front door (middle atlantic or Lowell)	0	\$ 580.04	\$ -	\$ 1,684.01	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
JG9	Juice Goose Power Strip, rack mounted with protection	1	\$ 91.12	\$ 91.12	\$ 231.23	\$ 231.23
SRA-15000	High Powered UPS Battery Back up	0	\$ 694.06	\$ -	\$ 903.50	\$ -
D-XLR3F	Mic input into system	0	\$ 34.00	\$ -	\$ 167.63	\$ -
BD87	Blue Tooth input into system	0	\$ 80.38	\$ -	\$ 219.26	\$ -
Kit	RJ45, Keystone plate	0	\$ 10.20	\$ -	\$ 76.25	\$ -
V5744	Single gang surface box	0	\$ 34.00	\$ -	\$ 102.74	\$ -
V700	Surface raceway kit, 10' (for Rolls and each Volume Controls)	0	\$ 47.60	\$ -	\$ 182.77	\$ -
PM660U	Desk Microphone with XLR connector	0	\$ 145.38	\$ -	\$ 291.64	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
AT10A	Volume Attenuator (for counseling and small offices)	0	\$ 32.75	\$ -	\$ 101.35	\$ -
FMH1ST +	Paging horn, back box, vandal proof grill, stainless steel	5	\$ 227.76	\$ 1,138.80	\$ 448.24	\$ 2,241.20
MB8TSL	8" Surface Mount metal enclosure with speaker (use SL for slant version)	35	\$ 57.76	\$ 2,021.57	\$ 129.19	\$ 4,521.82
S810T725PG8W	Flush 8" Ceiling Speaker kit with TB8 and RE84	0	\$ 52.07	\$ -	\$ 187.76	\$ -
CSD1X2U	1 X 2 Drop in Speaker Assembly-Off White (use U for Bright White)	24	\$ 67.62	\$ 1,622.88	\$ 140.17	\$ 3,364.13
BSC-8	Bi-Directional Baffle with speaker (used for hallways) (with S810T725 spkr)	0	\$ 153.30	\$ -	\$ 300.45	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
495S-12-80G	Green micro strobe, 12-80vdc (add power supply, relay, plate, box and 18/2 wire)	2	\$ 118.32	\$ 236.64	\$ 391.29	\$ 782.58
PS-24v3a	24vdc, 3amp power supply	1	\$ 126.44	\$ 126.44	\$ 270.55	\$ 270.55
TX-PCR1	Paging relay	1	\$ 207.69	\$ 207.69	\$ 361.00	\$ 361.00
	0	0	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
WPW 25-357	22awg, 2pair, 1 pair shielded, plenum, white (individual circuits with call button)	0	\$ 207.40	\$ -	\$ 2,177.60	\$ -
25224BWH1000	18awg, 1pair, NON shielded, white, 1000' (classroom circuits)	2	\$ 182.24	\$ 364.48	\$ 2,149.59	\$ 4,299.19
25224BGN1000	18awg, 1pair, NON shielded, green, 1000' (hallways only)	1	\$ 182.24	\$ 182.24	\$ 2,149.59	\$ 2,149.59
25224BOR1000	18awg, 1pair, NON shielded, orange, 1000' (strobe systems only)	1	\$ 182.24	\$ 182.24	\$ 2,149.59	\$ 2,149.59
25224BBL1000	18awg, 1pair, NON shielded, black, 1000' (outdoor only)	1	\$ 182.24	\$ 182.24	\$ 2,149.59	\$ 2,149.59
WPW 25-4245	Cat5e Plenum cable	1	\$ 252.28	\$ 252.28	\$ 2,227.57	\$ 2,227.57
	0	0	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
	Data ports to connect to the LAN will be needed	0	\$ -	\$ -	\$ -	\$ -
	It is not unusual in retrofit installations to find some issues in the existing	0	\$ -	\$ -	\$ -	\$ -
	speakers or wiring. We suggest budgeting an extra 10-15% to cover any	0	\$ -	\$ -	\$ -	\$ -
	repairs if necessary. SPC will quote and seek approval before proceeding.	0	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
	On RFP McCinnenn and Parker numbers are transposed	0	\$ -	\$ -	\$ -	\$ -
	Wire hanging hardware (1 for every 25')	150	\$ 3.06	\$ 459.00	\$ 68.30	\$ 10,244.52
	0	0	\$ -	\$ -	\$ -	\$ -
MISC	Connectors, hardware, cabling	1	\$ 19.40	\$ 646.70	\$ -	\$ 698.44
DOC	Documentation	1	\$ -	\$ -	\$ -	\$ -
COMM	Commissioning	1	\$ -	\$ 28.80	\$ 988.80	\$ 988.80
WARRANTY	Warranty	1	\$ -	\$ 15.12	\$ 519.12	\$ 519.12
PRGM	System Programming	1	\$ -	\$ 28.80	\$ 988.80	\$ 988.80
					\$ -	\$ -

Material	\$ 21,556.73
Misc Material	\$ 646.70
Sales Tax	\$ -
Installation	\$ 27,600.00
Engineering	\$ 4,068.00
Shipping	\$ 444.07
Environmental Fee	\$ 646.70
Sub Total	\$ 54,902.21
Bond	\$ 1,647.07
Fees	\$ -
Grand Total	\$ 56,549.27

CLINTONDALE HS ALTERNATE

Manuf	Model	Bill of Materials - PA System Replacement	Qty	Unit Pricing	Total Unit Pricing	Extended Unit Pricing	Extended Total Pricing
Bogen	NQ-B24CU	E7000 Intercommunication system with rack mounting kit	1	\$ -	\$ -	\$ 258.30	\$ 258.30
Dell	Optiplex Micro i5	Intercom Server	1	\$ 1,089.43	\$ 1,089.43	\$ 1,336.15	\$ 1,336.15
Bogen	NQE7000SWL	System License	1	\$ 7,751.12	\$ 7,751.12	\$ 8,716.79	\$ 8,716.79
Bogen	NQE7000SSL	Station license pk. (25)	1	\$ 888.16	\$ 888.16	\$ 1,113.16	\$ 1,113.16
Bogen	NQE7000CCL	Concurrent Call License	1	\$ 1,487.39	\$ 1,487.39	\$ 1,777.06	\$ 1,777.06
Bogen	NQE7030	Analog Station Bedge (25 port)	0	\$ -	\$ -	\$ 129.15	\$ -
Bogen	NQFO100	Matrix Pnmp	1	\$ 581.98	\$ 581.98	\$ 773.94	\$ 773.94
Bogen	NQE7010	I/O Controller	1	\$ 368.36	\$ 368.36	\$ 537.26	\$ 537.26
Bogen	NQ11100	Administrative IP Phone	1	\$ 596.73	\$ 596.73	\$ 790.28	\$ 790.28
Bogen	NQE7000SPTIE	SIP Tie Line Integration	1	\$ 405.24	\$ 405.24	\$ 1,063.97	\$ 1,063.97
Bogen	NQ-A4300	Quad 300e ethernet based amplifier for all call systems	1	\$ 2,202.70	\$ 2,202.70	\$ 2,809.42	\$ 2,809.42
SPC	Transfer	Transfer existing building wire to new system (All Call)	1	\$ -	\$ -	\$ 3,099.60	\$ 3,099.60
Trendnet		8 port POE data switch	0	\$ 182.24	\$ -	\$ 331.06	\$ -
Arakis	AN-210-SW-R-16-POE	16 port POE data switch (used on systems with 3 or more ASB's)	1	\$ 612.27	\$ 612.27	\$ 807.50	\$ 807.50
Middle Atlantic	ERK-2120	Floor Rack with rear door and accessories	0	\$ 660.96	\$ -	\$ 1,765.49	\$ -
Middle Atlantic	EVR-10-22SD	10RU swing rack with front door (middle atlantic or Lowell)	0	\$ 580.04	\$ -	\$ 1,675.84	\$ -
		0	0	\$ -	\$ -	\$ -	\$ -
Juice Goose	JG9	Juice Goose Power Strip, rack mounted with protection	1	\$ 91.12	\$ 91.12	\$ 230.10	\$ 230.10
Juice Goose	SRA-15000	High Powered UPS Battery Back up	1	\$ 694.96	\$ 694.96	\$ 899.11	\$ 899.11
RDL	D-XLR3F	Mic input into system	0	\$ 34.00	\$ -	\$ 166.82	\$ -
Rolls	BD87	Blue Tooth input into system	1	\$ 80.38	\$ 80.38	\$ 218.20	\$ 218.20
Vertical Cable	Kit	RJ45, Keystone plate	1	\$ 10.20	\$ 10.20	\$ 75.88	\$ 75.88
Wiremold	V5744	Single gang surface box	1	\$ 34.00	\$ 34.00	\$ 102.24	\$ 102.24
Wiremold	V700	Surface raceway kit, 10' (for Rolls and each Volume Controls)	1	\$ 47.60	\$ 47.60	\$ 161.89	\$ 161.89
TOA	PM660U	Desk Microphone with XLR connector	1	\$ 145.38	\$ 145.38	\$ 290.22	\$ 290.22
		0	0	\$ -	\$ -	\$ -	\$ -
Bogen	AT10A	Volume Attenuator (for counseling and small offices)	0	\$ 32.75	\$ -	\$ 100.86	\$ -
Bogen	FMH15T	Paging horn, back box, vandal proof grill, stainless steel	12	\$ 227.76	\$ 2,733.11	\$ 446.06	\$ 5,352.77
Bogen	MB8TSL	6" Surface Mount metal enclosure with speaker (use SL for slant version)	60	\$ 57.76	\$ 3,465.56	\$ 128.57	\$ 7,714.08
Bogen	S810T72SPGBW	Flush 8" Ceiling Speaker kit with T88 and RE84	0	\$ 52.07	\$ -	\$ 166.84	\$ -
Bogen	CSD1X2U	1 X 2 Drop in Speaker Assembly-Off White (use U for Bright White)	128	\$ 67.52	\$ 8,655.26	\$ 138.49	\$ 17,854.95
Lowell	BSG-8	8" Directional Baffle with speaker (used for hallways) (with S810T725 spk)	0	\$ 153.30	\$ -	\$ 298.99	\$ -
	0	0	0	\$ -	\$ -	\$ -	\$ -
Signal Guys	4855-12-80G	Green micro strobe, 12-60vdc (add power supply, relay, plate, box and 18/2 wire)	5	\$ 118.32	\$ 591.60	\$ 389.39	\$ 1,946.95
RDL	PS-24V3a	24vdc, 3amp power supply	1	\$ 126.44	\$ 126.44	\$ 269.23	\$ 269.23
RDL	TX-PCR1	Paging relay	1	\$ 207.69	\$ 207.69	\$ 359.25	\$ 359.25
		0	0	\$ -	\$ -	\$ -	\$ -
		0	0	\$ -	\$ -	\$ -	\$ -
West Penn	WPW 25-357	22awg, 2pair, 1 pair shielded, plenum, white (individual circuits with call button)	0	\$ 207.40	\$ -	\$ 2,167.03	\$ -
West Penn	252248WH1000	18awg, 1pair, NON shielded, white, 1000' (classroom circuits)	4	\$ 182.24	\$ 728.96	\$ 2,139.16	\$ 8,566.63
West Penn	252248GN1000	18awg, 1pair, NON shielded, green, 1000' (hallways only)	2	\$ 182.24	\$ 364.48	\$ 2,139.16	\$ 4,278.32
West Penn	252248OR1000	18awg, 1pair, NON shielded, orange, 1000' (strobe systems only)	2	\$ 182.24	\$ 364.48	\$ 2,139.16	\$ 4,278.32
West Penn	252248BL1000	18awg, 1pair, NON shielded, black, 1000' (outdoor only)	1	\$ 182.24	\$ 182.24	\$ 2,139.16	\$ 2,139.16
West Penn	WPW 25-4245	Cat5e Plenum cable	1	\$ 252.28	\$ 252.28	\$ 2,216.76	\$ 2,216.76
		0	0	\$ -	\$ -	\$ -	\$ -
		0	0	\$ -	\$ -	\$ -	\$ -
NOTES:		Data ports to connect to the LAN will be needed	0	\$ -	\$ -	\$ -	\$ -
		It is not unusual in retrofit installations to find some issues in the existing	0	\$ -	\$ -	\$ -	\$ -
		speakers or wiring. We suggest budgeting an extra 10-15% to cover any	0	\$ -	\$ -	\$ -	\$ -
		repairs if necessary. SPC will quote and seek approval before proceeding.	0	\$ -	\$ -	\$ -	\$ -
		0	0	\$ -	\$ -	\$ -	\$ -
		0	0	\$ -	\$ -	\$ -	\$ -
		0	0	\$ -	\$ -	\$ -	\$ -
		Demolition is not included with this quote	1	\$ -	\$ -	\$ -	\$ -
		Wire hanging hardware (1 for every 25')	300	\$ 3.06	\$ 918.00	\$ 67.97	\$ 20,389.57
		0	0	\$ -	\$ -	\$ -	\$ -
SPC	MISC	Connectors, hardware, cabling	1	\$ 32.11	\$ 1,070.31	\$ -	\$ 1,150.59
SPC	DOC	Documentation	1	\$ -	\$ -	\$ -	\$ -
SPC	COMM	Commissioning	1	\$ -	\$ 24.00	\$ 984.00	\$ 984.00
SPC	WARRANTY	Warranty	1	\$ -	\$ 12.60	\$ 516.60	\$ 516.60
SPC	PRGM	System Programming	1	\$ -	\$ 48.00	\$ 1,968.00	\$ 1,968.00
						\$ -	\$ -

Material	\$ 35,677.10
Misc Material	\$ 1,070.31
Sales Tax	\$ -
Installation	\$ 56,880.00
Engineering	\$ 6,432.00
Shipping	\$ 734.95
Environmental Fee	\$ 1,070.31
Sub Total	\$ 101,864.67
Bond	\$ 2,546.62
Fees	\$ -
Grand Total	\$ 104,411.29

CLINTONDALE MS ALTERNATE

Model	Bill of Materials - PA System Replacement	Qty	Unit Pricing	Total Unit Pricing	Extended Unit Pricing	Extended Total Pricing
NQ-B24CU	E7000 Intercommunication system with rack mounting kit	1	\$ -	\$ -	\$ 259.56	\$ 259.56
Optiplex Micro i5	Intercom Server	0	\$ 1,089.43	\$ -	\$ 1,342.67	\$ -
NQE7000SWL	System License	0	\$ 7,751.12	\$ -	\$ 8,759.31	\$ -
NQE7000SSL	Station license pk. (25)	0	\$ 888.16	\$ -	\$ 1,118.58	\$ -
NQE7000CCL	Concurrent Call License	0	\$ 1,487.39	\$ -	\$ 1,785.73	\$ -
NQE7030	Analog Station Bridge (25 port)	0	\$ -	\$ -	\$ 129.78	\$ -
NQPO100	Matrix Preamp	1	\$ 581.98	\$ 581.98	\$ 777.72	\$ 777.72
NQE7010	I/O Controller	1	\$ 368.36	\$ 368.36	\$ 539.88	\$ 539.88
NQT1100	Administrative IP Phone	1	\$ 586.73	\$ 586.73	\$ 794.13	\$ 794.13
NQE7000SPTIE	SIP Tie Line Integration	0	\$ 405.24	\$ -	\$ 1,089.16	\$ -
NQ-A4300	Quad 300w ethernet based amplifier for all call systems	1	\$ 2,202.70	\$ 2,202.70	\$ 2,823.12	\$ 2,823.12
Transfer	Transfer existing building wire to new system (All Call)	1	\$ -	\$ -	\$ 3,114.72	\$ 3,114.72
	8 port POE data switch	0	\$ 182.24	\$ -	\$ 332.67	\$ -
AN-210-SW-R-16-POE	16 port POE data switch (used on systems with 3 or more ASB's)	0	\$ 612.27	\$ -	\$ 811.44	\$ -
ERK-2120	Floor Rack with rear door and accessories	0	\$ 660.96	\$ -	\$ 1,774.10	\$ -
EWR-10-22SD	10Ru swing rack with front door (middle atlantic or Lowell)	0	\$ 580.04	\$ -	\$ 1,684.01	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
JG9	Juice Goose Power Strip, rack mounted with protection	0	\$ 91.12	\$ -	\$ 231.23	\$ -
SRA-15000	High Powered UPS Battery Back up	0	\$ 694.96	\$ -	\$ 903.50	\$ -
D-XLR3F	Mic input into system	1	\$ 34.00	\$ 34.00	\$ 167.63	\$ 167.63
BD67	Blue 100th input into system	1	\$ 80.38	\$ 80.38	\$ 219.26	\$ 219.26
Kit	RJ45, Keystone plate	1	\$ 10.20	\$ 10.20	\$ 76.25	\$ 76.25
V5744	Single gang surface box	1	\$ 34.00	\$ 34.00	\$ 102.74	\$ 102.74
V700	Surface raceway kit, 10' (for Rols and each Volume Controls)	1	\$ 47.60	\$ 47.60	\$ 182.77	\$ 182.77
PM660U	Desk Microphone with XLR connector	1	\$ 145.38	\$ 145.38	\$ 291.64	\$ 291.64
	0	0	\$ -	\$ -	\$ -	\$ -
AT10A	Volume Attenuator (for counseling and small offices)	0	\$ 32.75	\$ -	\$ 101.35	\$ -
FMH15T +	Paging horn, back box, vandal proof grill, stainless steel	11	\$ 227.76	\$ 2,505.35	\$ 448.24	\$ 4,930.65
MB8TSL	8" Surface Mount metal enclosure with speaker (use SL for slant version)	4	\$ 57.76	\$ 231.04	\$ 129.19	\$ 516.78
S810T725PG6W	Flush 8" Ceiling Speaker kit with TB8 and RE84	0	\$ 52.07	\$ -	\$ 187.76	\$ -
CSD1X2U	1 X 2 Drop in Speaker Assembly-Off White (use U for Bright White)	120	\$ 67.62	\$ 8,114.30	\$ 140.17	\$ 16,820.67
BSG-6	Bi-Directional Baffle with speaker (used for hallways) (with S810T725 spkr)	0	\$ 153.30	\$ -	\$ 300.45	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
495S-12-80G	Green micro strobe, 12-80vdc (add power supply, relay, plate, box and 18/2 wire)	2	\$ 118.32	\$ 236.64	\$ 391.29	\$ 782.58
PS-24v3a	24vdc, 3amp power supply	1	\$ 126.44	\$ 126.44	\$ 270.55	\$ 270.55
TX-PCR1	Paging relay	1	\$ 207.69	\$ 207.69	\$ 361.00	\$ 361.00
	0	0	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
WPW 25-357	22awg, 2pair, 1 pair shielded, plenum, white (individual circuits with call button)	0	\$ 207.40	\$ -	\$ 2,177.60	\$ -
25224BWH1000	18awg, 1pair, NON shielded, white, 1000' (classroom circuits)	4	\$ 182.24	\$ 728.96	\$ 2,149.59	\$ 8,588.37
25224BGN1000	18awg, 1pair, NON shielded, green, 1000' (hallways only)	3	\$ 182.24	\$ 546.72	\$ 2,149.59	\$ 6,448.78
25224BOR1000	18awg, 1pair, NON shielded, orange, 1000' (strobe systems only)	1	\$ 182.24	\$ 182.24	\$ 2,149.59	\$ 2,149.59
25224BBL1000	18awg, 1pair, NON shielded, black, 1000' (outdoor only)	2	\$ 182.24	\$ 364.48	\$ 2,149.59	\$ 4,299.19
WPW 25-4245	Cat5e Plenum cable	1	\$ 252.28	\$ 252.28	\$ 2,227.57	\$ 2,227.57
	0	0	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
	Data ports to connect to the LAN will be needed	0	\$ -	\$ -	\$ -	\$ -
	It is not unusual in retrofit installations to find some issues in the existing speakers or wiring. We suggest budgeting an extra 10-15% to cover any repairs if necessary. SPC will quote and seek approval before proceeding.	0	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
	Demolition is not included with this quote	1	\$ -	\$ -	\$ -	\$ -
	Wire hanging hardware (1 for every 25')	300	\$ 3.06	\$ 918.00	\$ 88.30	\$ 20,489.03
	0	0	\$ -	\$ -	\$ -	\$ -
MISC	Connectors, hardware, cabling	1	\$ 18.66	\$ 555.48	\$ -	\$ 599.90
DOC	Documentation	1	\$ -	\$ -	\$ -	\$ -
COMM	Commissioning	1	\$ -	\$ 28.80	\$ 988.80	\$ 988.80
WARRANTY	Warranty	1	\$ -	\$ 15.12	\$ 519.12	\$ 519.12
PGRM	System Programming	1	\$ -	\$ 57.60	\$ 1,977.60	\$ 1,977.60
					\$ -	\$ -

Material	\$ 18,515.46
Misc Material	\$ 555.48
Sales Tax	\$ -
Installation	\$ 53,100.00
Engineering	\$ 5,789.00
Shipping	\$ 381.42
Environmental Fee	\$ 555.46
Sub Total	\$ 78,876.81
Bond	\$ 2,366.30
Fees	\$ -
Grand Total	\$ 81,243.11

ICAMPUS ALTERNATE

Manuf	Model	Bill of Materials - PA System Replacement	Qty	Unit Pricing	Total Unit Pricing	Extended Unit Pricing	Extended Total Pricing
Bogen	NQ-8240J	E7000 Intercommunication system with rack mounting kit	1	\$	-	\$	259.56
Dell	Optiplex Micro i5	Intercom Server	0	\$	1,129.48	-	1,387.26
Bogen	NQE7000SWL	System License	0	\$	8,036.08	-	9,076.57
Bogen	NQE7000SSL	Station license pk. (25)	0	\$	920.81	-	1,154.95
Bogen	NQE7000CCL	Concurrent Call License	0	\$	1,542.07	-	1,846.61
Bogen	NQE7030	Analog Station Bridge (25 port)	0	\$	-	-	129.78
Bogen	NQPO100	Matrix Preamp	1	\$	603.38	\$	801.54
Bogen	NQE7010	I/O Controller	1	\$	381.90	\$	554.96
Bogen	NDT1100	Administrative IP Phone	1	\$	618.67	\$	818.56
Bogen	NQE7000SPTIE	SIP Tie Line Integration	0	\$	420.14	-	1,085.75
Bogen	NQ-A2060	dual 80w ethernet based amplifier for all call systems	1	\$	781.30	\$	1,240.64
SPC	Transfer	Transfer existing building wire to new system (All Call)	0	\$	-	-	3,114.72
Trendnet		8 port POE data switch	0	\$	188.94	-	340.13
Avaknis	AN-210-SW-R-15-POE	16 port POE data switch fused on systems with 3 or more ASB's	0	\$	634.78	-	836.50
Middle Atlantic	ERK-2120	Floor Rack with rear door and accessories	0	\$	685.26	-	1,801.16
Middle Atlantic	EWR-10-22SD	10RU swing rack with front door (middle atlantic or Lowell)	0	\$	601.37	-	1,707.76
Juice Goose	JG8	Juice Goose Power Strip, rack mounted with protection	0	\$	94.47	-	234.96
Juice Goose	SRA-15000	High Powered UPS Battery Back up	0	\$	720.51	-	931.94
RDL	D-XLR3F	Mic input into system	1	\$	35.25	\$	168.02
Rolls	BD67	Blue Tooth input into system	1	\$	83.33	\$	222.55
Vertical Cable	Kit	RJ45, Keystone plate	1	\$	10.58	\$	76.66
Wiremold	V5744	Single gang surface box	1	\$	35.25	\$	104.13
Wiremold	V700	Surface raceway kit, 10' (for Rolls and each Volume Controls)	1	\$	49.35	\$	184.72
TOA	PM660U	Desk Microphone with XLR connector	1	\$	150.73	\$	297.59
		0	0	\$	-	-	-
Bogen	AT10A	Volume Attenuator (for counseling and small offices)	0	\$	33.95	-	102.69
Bogen	FMH15T +	Paging horn, back box, vandal proof grill, stainless steel	0	\$	236.13	-	457.56
Bogen	MB8TSL	6" Surface Mount metal enclosure with speaker (use SL for slant version)	4	\$	59.88	\$	131.56
Bogen	S810T725PG8W	Flush 8" Ceiling Speaker kit with TB8 and RE84	0	\$	53.99	-	189.89
Bogen	CSD1X2U	1 X 2 Drop in Speaker Assembly-Off White (use U for Bright White)	5	\$	70.11	\$	142.94
Lowell	BSG-8	Bi-Directional Baffle with speaker (used for hallways) (with S810T725 spkr)	0	\$	158.94	-	306.73
0	0	0	0	\$	-	-	-
Signal Guys	495S-12-80G	Green micro strobe, 12-80vdc (add power supply, relay, plate, box and 18/2 wire)	0	\$	122.67	-	396.13
RDL	PS-24v3a	24vdc, 3amp power supply	0	\$	131.09	-	275.72
RDL	TX-PCR1	Paging relay	0	\$	215.32	-	369.50
		0	0	\$	-	-	-
		0	0	\$	-	-	-
West Penn	WPW 25-357	22awg, 2pair, 1 pair shielded, plenum, white (individual circuits with call button)	0	\$	215.03	-	2,186.09
West Penn	252248WH1000	18awg, 1pair, NON shielded, white, 1000' (classroom circuits)	1	\$	188.94	\$	2,157.05
West Penn	252248GN1000	18awg, 1pair, NON shielded, green, 1000' (hallways only)	0	\$	188.94	-	2,157.05
West Penn	252248OR1000	18awg, 1pair, NON shielded, orange, 1000' (strobe systems only)	0	\$	188.94	-	2,157.05
West Penn	252248BL1000	18awg, 1pair, NON shielded, black, 1000' (outdoor only)	0	\$	188.94	-	2,157.05
West Penn	WPW 25-4245	Cat5e Plenum cable	1	\$	261.56	\$	2,237.90
		0	0	\$	-	-	-
NOTES:		Data ports to connect to the LAN will be needed	0	\$	-	-	-
		It is not unusual in retrofit installations to find some issues in the existing speakers or wiring. We suggest budgeting an extra 10-15% to cover any repairs if necessary. SPC will quote and seek approval before proceeding.	0	\$	-	-	-
		0	0	\$	-	-	-
		0	0	\$	-	-	-
		0	0	\$	-	-	-
		Demolition is not included with this quote	1	\$	-	-	-
		Wire hanging hardware (1 for every 25')	30	\$	3.17	\$	68.42
		0	0	\$	-	-	-
SPC	MISC	Connectors, hardware, cabling	1	\$	3.40	\$	125.89
SPC	DOC	Documentation	1	\$	-	-	-
SPC	COMM	Commissioning	1	\$	-	\$	494.40
SPC	WARRANTY	Warranty	1	\$	-	\$	519.12
SPC	PGRM	System Programming	1	\$	-	\$	494.40

Material	\$	3,885.45
Misc Material	\$	116.56
Sales Tax	\$	-
Installation	\$	8,220.00
Engineering	\$	1,605.00
Shipping	\$	80.04
Environmental Fee	\$	116.56
Sub Total	\$	14,023.62
Bond	\$	420.71
Fees	\$	-
Grand Total	\$	14,444.33

CAFE ALTERNATE

Manuf	Model	Bill of Materials - PA System Replacement	Qty	Unit Pricing	Total Unit Pricing	Extended Unit Pricing	Extended Total Pricing
Bogen	NQ-B24CU	E7000 Intercommunication system with rack mounting kit	0	\$	-	\$	259.56
Dell	Optiplex Micro i5	Intercom Server	0	\$	1,169.53	\$	1,431.85
Bogen	NQE7000SWL	System License	0	\$	8,321.05	\$	9,383.83
Bogen	NQE7000SSL	Station license pk. (25)	0	\$	953.47	\$	1,191.30
Bogen	NQE7000CCL	Concurrent Call License	0	\$	1,596.76	\$	1,907.49
Bogen	NQE7030	Analog Station Bridge (25 port)	0	\$	-	\$	129.78
Bogen	NQPO100	Matrix Preamp	0	\$	624.78	\$	825.36
Bogen	NQE7010	I/O Controller	0	\$	395.44	\$	570.04
Bogen	NQT1100	Administrative IP Phone	0	\$	640.60	\$	842.96
Bogen	NQE7000IPTIE	SIP Tie Line Integration	0	\$	435.04	\$	1,102.34
Bogen	NQ-A4300	Quad 300w ethernet based amplifier for all call systems	0	\$	2,364.66	\$	3,003.44
SPC	Transfer	Transfer existing building wire to new system (All Call)	0	\$	-	\$	3,114.72
Trendnet		8 port POE data switch	0	\$	195.64	\$	347.59
Arakis	AN-210-SW-R-16-POE	16 port POE data switch (used on systems with 3 or more ASB's)	0	\$	657.29	\$	861.56
Middle Atlantic	ERK-2120	Floor Rack with rear door and accessories	0	\$	709.56	\$	1,828.21
Middle Atlantic	EW-10-22SD	10RU swing rack with front door (middle atlantic or Lowell)	0	\$	622.69	\$	1,731.50
		0	0	\$	-	\$	-
Juice Goose	JG9	Juice Goose Power Strip, rack mounted with protection	0	\$	97.82	\$	238.69
Juice Goose	SRA-15000	High Powered UPS Battery Back up	0	\$	746.06	\$	960.39
RDL	D-XLR3F	Mic input into system	0	\$	26.50	\$	170.42
Rolls	BD87	Blue Tooth input into system	0	\$	96.29	\$	225.84
Vertical Cable	K17	RJ45, Keystone plate	0	\$	10.95	\$	77.08
Wiremold	V5744	Single gang surface box	0	\$	36.50	\$	105.53
Wiremold	V700	Surface raceway kit, 10' for Rolls and each Volume Controls	0	\$	51.10	\$	186.67
TOA	PM660U	Desk Microphone with XLR connector	0	\$	156.07	\$	303.54
		0	0	\$	-	\$	-
Bogen	AT10A	Volume Attenuator (for counseling and small offices)	0	\$	35.16	\$	104.03
Bogen	FMH15T	Paging horn, back box, vandal proof grill, stainless steel	0	\$	244.51	\$	466.89
Bogen	MB8TSL	8" Surface Mount metal enclosure with speaker (use SL for stant version)	0	\$	62.01	\$	133.92
Bogen	S8107725PG8W	Flush 8" Ceiling Speaker kit with TB8 and RE84	4	\$	55.80	\$	192.02
Bogen	CSD1X2U	1 X 2 Drop in Speaker Assembly-Off White (use U for Bright White)	19	\$	72.59	\$	1,379.23
Lowell	BSG-8	8"-Directional Baffle with speaker (used for hallways) (with S8107725 spkr)	0	\$	164.57	\$	313.00
		0	0	\$	-	\$	-
Signal Guys	495S-12-60G	Green micro strobe, 12-60vdc (add power supply, relay, plate, box and 18/2 wire)	0	\$	127.02	\$	400.97
RDL	PS-24v3a	24vdc, 3amp power supply	0	\$	135.74	\$	280.90
RDL	TX-PCR1	Paging relay	0	\$	222.96	\$	378.00
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
West Penn	WPW 25-357	22awg, 2pair, 1 pair shielded, plenum, white (individual circuits with call button)	0	\$	222.85	\$	2,194.58
West Penn	25224BWH1000	18awg, 1pair, NON shielded, white, 1000' (classroom circuits)	1	\$	195.64	\$	2,164.51
West Penn	25224BGN1000	18awg, 1pair, NON shielded, green, 1000' (hallways only)	0	\$	195.64	\$	2,164.51
West Penn	25224BOR1000	18awg, 1pair, NON shielded, orange, 1000' (strobe systems only)	0	\$	195.64	\$	2,164.51
West Penn	25224BBL1000	18awg, 1pair, NON shielded, black, 1000' (outdoor only)	0	\$	195.64	\$	2,164.51
West Penn	WPW 25-4245	Cat5e Plenum cable	0	\$	270.83	\$	2,248.22
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
NOTES:		Data ports to connect to the LAN will be needed	0	\$	-	\$	-
		It is not unusual in retrofit installations to find some issues in the existing	0	\$	-	\$	-
		speakers or wiring. We suggest budgeting an extra 10-15% to cover any	0	\$	-	\$	-
		repairs if necessary. SPC will quote and seek approval before proceeding.	0	\$	-	\$	-
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
		Wire hanging hardware (1 for every 25')	10	\$	3.29	\$	685.47
		0	0	\$	-	\$	-
SPC	MISC	Connectors, hardware, cabling	1	\$	1.65	\$	59.34
SPC	DOC	Documentation	1	\$	-	\$	-
SPC	COMM	Commissioning	1	\$	-	\$	988.80
SPC	WARRANTY	Warranty	1	\$	-	\$	519.12
SPC	PRGM	System Programming	1	\$	-	\$	1,977.60
						\$	-

Material	\$	1,831.34
Misc Material	\$	54.94
Sales Tax	\$	-
Installation	\$	4,500.00
Engineering	\$	225.00
Shipping	\$	37.73
Environmental Fee	\$	54.94
Sub Total	\$	6,703.94
Bond	\$	201.12
Fees	\$	-
Grand Total	\$	6,905.06

MCGLINNEN ES ALTERNATE

Model	Bill of Materials - PA System Replacement	Qty	Unit Pricing	Total Unit Pricing	Extended Unit Pricing	Extended Total Pricing
NQ-B24CU	E7000 Intercommunication system with rack mounting kit	1	\$ -	\$ -	\$ 259.56	\$ 259.56
Optiplex Micro i5	Intercom Server	1	\$ 1,089.43	\$ 1,089.43	\$ 1,342.67	\$ 1,342.67
NQE7000SWL	System License	1	\$ 7,751.12	\$ 7,751.12	\$ 8,759.31	\$ 8,759.31
NQE7000SSL	Station license pk. (25)	1	\$ 888.16	\$ 888.16	\$ 1,118.59	\$ 1,118.59
NQE7000CCL	Concurrent Call License	1	\$ 1,487.39	\$ 1,487.39	\$ 1,785.73	\$ 1,785.73
NQE7030	Analog Station Bridge (25 port)	1	\$ -	\$ -	\$ 129.78	\$ 129.78
NQPO100	Matrix Preamp	1	\$ 581.98	\$ 581.98	\$ 777.72	\$ 777.72
NQE7010	I/O Controller	1	\$ 368.36	\$ 368.36	\$ 539.88	\$ 539.88
NQT1100	Administrative IP Phone	1	\$ 596.73	\$ 596.73	\$ 794.13	\$ 794.13
NQE7000SIPTIE	SIP Tie Line Integration	1	\$ 405.24	\$ 405.24	\$ 1,069.16	\$ 1,069.16
NQ-A4060	Quad 300w ethernet based amplifier for all call systems	1	\$ 1,138.50	\$ 1,138.50	\$ 1,638.32	\$ 1,638.32
Transfer	Transfer existing building wire to new system (All Call)	0	\$ -	\$ -	\$ 3,114.72	\$ -
	8 port POE data switch	1	\$ 182.24	\$ 182.24	\$ 332.67	\$ 332.67
AN-210-SW-R-16-POE	16 port POE data switch (used on systems with 3 or more ASB's)	0	\$ 612.27	\$ -	\$ 811.44	\$ -
ERK-2120	Floor Rack with rear door and accessories	0	\$ 660.96	\$ -	\$ 1,774.10	\$ -
EWR-10-22SD	10Ru swing rack with front door (middle atlantic or Lowell)	0	\$ 580.04	\$ -	\$ 1,684.01	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
JG9	Juice Goose Power Strip, rack mounted with protection	1	\$ 91.12	\$ 91.12	\$ 231.23	\$ 231.23
SRA-15000	High Powered UPS Battery Back up	1	\$ 694.96	\$ 694.96	\$ 903.50	\$ 903.50
D-XLR3F	4 Mic input into system	1	\$ 34.00	\$ 34.00	\$ 167.63	\$ 167.63
BD87	Blue Tooth input into system	1	\$ 80.38	\$ 80.38	\$ 219.26	\$ 219.26
Kit	RL45, Keystone plate	1	\$ 10.20	\$ 10.20	\$ 76.25	\$ 76.25
V5744	Single gang surface box	1	\$ 34.00	\$ 34.00	\$ 102.74	\$ 102.74
V700	Surface raceway kit, 10' for Rolls and each Volume Controls)	1	\$ 47.60	\$ 47.60	\$ 182.77	\$ 182.77
PM680U	Desk Microphone with XLR connector	1	\$ 145.38	\$ 145.38	\$ 291.64	\$ 291.64
	0	0	\$ -	\$ -	\$ -	\$ -
AT10A	Volume Attenuator (for counseling and small offices)	0	\$ 32.75	\$ -	\$ 101.35	\$ -
FMH15T +	Paging horn, back box, vandal proof grill, stainless steel,	7	\$ 227.76	\$ 1,594.31	\$ 448.24	\$ 3,137.68
MB8TSL	8" Surface Mount metal enclosure with speaker (use SL for slant version)	25	\$ 57.76	\$ 1,443.98	\$ 129.19	\$ 3,229.87
S810T725PG8W	Flush 8" Ceiling Speaker kit with TB8 and RE84	0	\$ 52.07	\$ -	\$ 187.76	\$ -
CSD1X2U	1 X 2 Drop in Speaker Assembly-Off White (use U for Bright White)	11	\$ 67.62	\$ 743.81	\$ 140.17	\$ 1,541.90
BSG-8	Bi-Directional Baffle with speaker (used for hallways) (with S810T725 spkr)	0	\$ 153.30	\$ -	\$ 300.45	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
495S-12-80G	Green micro strobe, 12-80vdc (add power supply, relay, plate, box and 18/2 wire)	2	\$ 118.32	\$ 236.64	\$ 391.29	\$ 782.58
PS-24v3a	24vdc, 3amp power supply	1	\$ 126.44	\$ 126.44	\$ 270.55	\$ 270.55
TX-PCR1	Paging relay	1	\$ 207.69	\$ 207.69	\$ 361.00	\$ 361.00
	0	0	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
WPW 25-357	22awg, 2pair, 1 pair shielded, plenum, white (individual circuits with call button)	0	\$ 207.40	\$ -	\$ 2,177.60	\$ -
25224BWH1000	18awg, 1pair, NON shielded, white, 1000' (classroom circuits)	2	\$ 182.24	\$ 364.48	\$ 2,149.59	\$ 4,299.19
25224BGN1000	18awg, 1pair, NON shielded, green, 1000' (hallways only)	1	\$ 182.24	\$ 182.24	\$ 2,149.59	\$ 2,149.59
25224BOR1000	18awg, 1pair, NON shielded, orange, 1000' (strobe systems only)	1	\$ 182.24	\$ 182.24	\$ 2,149.59	\$ 2,149.59
25224BBL1000	18awg, 1pair, NON shielded, black, 1000' (outdoor only)	1	\$ 182.24	\$ 182.24	\$ 2,149.59	\$ 2,149.59
WPW 25-4245	Cal5e Plenum cable	1	\$ 252.28	\$ 252.28	\$ 2,227.57	\$ 2,227.57
	0	0	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
	Data ports to connect to the LAN will be needed	0	\$ -	\$ -	\$ -	\$ -
	It is not unusual in retrofit installations to find some issues in the existing	0	\$ -	\$ -	\$ -	\$ -
	speakers or wiring. We suggest budgeting an extra 10-15% to cover any	0	\$ -	\$ -	\$ -	\$ -
	repairs if necessary. SPC will quote and seek approval before proceeding.	0	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -
	On RFP McGlinn and Parker numbers are transposed	0	\$ -	\$ -	\$ -	\$ -
	Wire hanging hardware (1 for every 25')	150	\$ 3.06	\$ 459.00	\$ 68.30	\$ 10,244.52
	0	0	\$ -	\$ -	\$ -	\$ -
MISC	Connectors, hardware, cabling	1	\$ 19.44	\$ 648.06	\$ -	\$ 699.91
DOC	Documentation	1	\$ -	\$ -	\$ -	\$ -
COMM	Commissioning	1	\$ -	\$ 28.80	\$ 988.80	\$ 988.80
WARRANTY	Warranty	1	\$ -	\$ 15.12	\$ 519.12	\$ 519.12
PGRM	System Programming	1	\$ -	\$ 28.80	\$ 988.80	\$ 988.80
					\$ -	\$ -

Material	\$ 21,602.13
Misc Material	\$ 648.06
Sales Tax	\$ -
Installation	\$ 27,300.00
Engineering	\$ 3,983.00
Shipping	\$ 443.00
Environmental Fee	\$ 648.06
Sub Total	\$ 54,636.25
Bond	\$ 1,639.09
Fees	\$ -
Grand Total	\$ 56,275.35

PARKER ES ALTERNATE

Manuf	Model	Bdl of Materials - PA System Replacement	Qty	Unit Pricing	Total Unit Pricing	Extended Unit Pricing	Extended Total Pricing
Bogen	NQ-824CU	E7000 intercommunication system with rack mounting kit	1	\$	-	\$ 259.56	\$ 259.56
Dell	Optiplex Micro i5	Intercom Server	1	\$ 1,089.43	\$ 1,089.43	\$ 1,342.67	\$ 1,342.67
Bogen	NQE7000SWL	System License	1	\$ 7,751.12	\$ 7,751.12	\$ 8,750.31	\$ 8,750.31
Bogen	NQE7000SSL	Station license pk. (25)	1	\$ 888.16	\$ 888.16	\$ 1,118.59	\$ 1,118.59
Bogen	NQE7000CCL	Concurrent Call License	1	\$ 1,487.39	\$ 1,487.39	\$ 1,785.73	\$ 1,785.73
Bogen	NQE7030	Analog Station Bridge (25 port)	1	\$	-	\$ 129.78	\$ 129.78
Bogen	NQPO100	Matrix Preamp	1	\$ 581.98	\$ 581.98	\$ 777.72	\$ 777.72
Bogen	NQE7010	I/O Controller	1	\$ 368.36	\$ 368.36	\$ 539.88	\$ 539.88
Bogen	NQT1100	Administrative IP Phone	1	\$ 596.73	\$ 596.73	\$ 794.13	\$ 794.13
Bogen	NQE7000SPTIE	SIP Tie Line Integration	1	\$ 405.24	\$ 405.24	\$ 1,069.16	\$ 1,069.16
Bogen	NQ-A4060	Quad 300w ethernet based amplifier for all call systems	1	\$ 1,138.50	\$ 1,138.50	\$ 1,638.32	\$ 1,638.32
SPC		Transfer existing building wire to new system (All Call)	0	\$	-	\$ 3,114.72	\$
Trendnet		8 port POE data switch	1	\$ 182.24	\$ 182.24	\$ 332.67	\$ 332.67
Artekis	AN-210-SW-R-16-POE	16 port POE data switch (used on systems with 3 or more ASB's)	0	\$ 612.27	\$	\$ 811.44	\$
Middle Atlantic	ERK-2120	Floor Rack with rear door and accessories	0	\$ 660.96	\$	\$ 1,774.10	\$
Middle Atlantic	EWFR-10-22SD	10RU swing rack with front door (middle atlantic or Lowell)	0	\$ 580.04	\$	\$ 1,684.01	\$
		0	0	\$	-	\$	-
Juice Goose	JG9	Juice Goose Power Strip, rack mounted with protection	1	\$ 91.12	\$ 91.12	\$ 231.23	\$ 231.23
Juice Goose	SRA-15000	High Powered UPS Battery Back up	1	\$ 694.96	\$ 694.96	\$ 903.50	\$ 903.50
RDL	D-XLR3F	Mic input into system	1	\$ 34.00	\$ 34.00	\$ 167.63	\$ 167.63
Rolls	BD87	Blue Tooth input into system	1	\$ 80.38	\$ 80.38	\$ 219.26	\$ 219.26
Vertical Cable	Kil	RJ45, Keystone plate	1	\$ 10.20	\$ 10.20	\$ 76.25	\$ 76.25
Wiremold	V5744	Single gang surface box	1	\$ 34.00	\$ 34.00	\$ 102.74	\$ 102.74
Wiremold	V700	Surface raceway kit, 10' (for Rolls and each Volume Controls)	1	\$ 47.60	\$ 47.60	\$ 182.77	\$ 182.77
TOA	PM660U	Desk Microphone with XLR connector	1	\$ 145.38	\$ 145.38	\$ 291.64	\$ 291.64
		0	0	\$	-	\$	-
Bogen	AT10A	Volume Attenuator (for counseling and small offices)	0	\$ 32.75	\$	\$ 101.35	\$
Bogen	FMH15T +	Paging horn, back box, vandal proof grill, stainless steel	7	\$ 227.76	\$ 1,594.31	\$ 448.24	\$ 3,137.68
Bogen	MB8TSL	6" Surface Mount metal enclosure with speaker (use SL for slant version)	35	\$ 57.76	\$ 2,021.57	\$ 129.19	\$ 4,521.82
Bogen	S810T72SPG8W	Flush 8" Ceiling Speaker kit with T88 and RE84	0	\$ 52.07	\$	\$ 187.76	\$
Bogen	CSD1X2U	1 X 2 Drop in Speaker Assembly-Off White (use U for Bright White)	27	\$ 87.62	\$ 1,825.72	\$ 140.17	\$ 3,794.65
Lowell	BSG-8	8" Directional Baffle with speaker (used for hallways) (with S810T725 spkr)	0	\$ 153.30	\$	\$ 300.45	\$
	0	0	0	\$	-	\$	-
Signal Guys	495S-12-80G	Green micro strobe, 12-80vdc (add power supply, relay, plate, box and 18/2 wire)	2	\$ 118.32	\$ 236.64	\$ 391.29	\$ 762.58
RDL	PS-24v3a	24vdc 3amp power supply	1	\$ 126.44	\$ 126.44	\$ 270.55	\$ 270.55
RDL	TX-PCR1	Paging relay	1	\$ 207.69	\$ 207.69	\$ 361.00	\$ 361.00
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
West Penn	WPW 25-357	22awg, 2pair, 1 pair shielded, plenum, white (individual circuits with call button)	0	\$ 207.40	\$	\$ 2,177.60	\$
West Penn	252248WH1000	18awg, 1pair, NON shielded, white, 1000' (classroom circuits)	2	\$ 182.24	\$ 364.48	\$ 2,149.59	\$ 4,299.19
West Penn	252248GN1000	18awg, 1pair, NON shielded, green, 1000' (hallways only)	1	\$ 182.24	\$ 182.24	\$ 2,149.59	\$ 2,149.59
West Penn	252248OR1000	18awg, 1pair, NON shielded, orange, 1000' (strobe systems only)	1	\$ 182.24	\$ 182.24	\$ 2,149.59	\$ 2,149.59
West Penn	252248BL1900	18awg, 1pair, NON shielded, black, 1000' (outdoor only)	1	\$ 182.24	\$ 182.24	\$ 2,149.59	\$ 2,149.59
West Penn	WPW 25-4245	Cat5e Plenum cable	1	\$ 252.28	\$ 252.28	\$ 2,227.57	\$ 2,227.57
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
NOTES:		Data ports to connect to the LAN will be needed	0	\$	-	\$	-
		It is not unusual in retrofit installations to find some issues in the existing speakers or wiring. We suggest budgeting an extra 10-15% to cover any repairs if necessary. SPC will quote and seek approval before proceeding.	0	\$	-	\$	-
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
		0	0	\$	-	\$	-
		On RFP McClennen and Parker numbers are transposed	0	\$	-	\$	-
		Wire hanging hardware (1 for every 25')	150	\$ 3.08	\$ 459.00	\$ 68.30	\$ 10,244.52
		0	0	\$	-	\$	-
SPC	MISC	Connectors, hardware, cabling	1	\$ 20.94	\$ 697.85	\$	\$ 753.68
SPC	DOC	Documentation	1	\$	\$	\$	\$
SPC	COMM	Commissioning	1	\$	\$ 28.80	\$ 988.80	\$ 988.80
SPC	WARRANTY	Warranty	1	\$	\$ 15.12	\$ 519.12	\$ 519.12
SPC	PGRM	System Programming	1	\$	\$ 28.80	\$ 988.80	\$ 988.80
						\$	\$

Material	\$ 23,261.63
Misc Material	\$ 697.85
Sales Tax	-
Installation	\$ 28,860.00
Engineering	\$ 4,071.00
Shipping	\$ 479.19
Environmental Fee	\$ 697.85
Sub Total	\$ 58,067.52
Bond	\$ 1,742.03
Fees	-
Grand Total	\$ 59,809.54



April 11, 2024

Clintondale Community Schools
35100 Little Mack Avenue
Clinton Township, MI 48035

RE: Statement of Warranty

Project: CCS PA System

System(s): Bogen Public Address System

Bogen Speakers and Hardware:

Warranty Start Date: Day one of final installation date per school.

Warranty End Date: 1 year after final installation date per school.

Cabling/Wiring:

Warranty Start Date: Day one of final installation date per school.

Warranty End Date: 5 years after final installation date per school.

Note: Cabling/wiring warranty includes materials and labor for first year, followed by materials only for years 2-5.

Included: All newly installed equipment, speakers and wiring in elementary, middle and high schools.

Excluded: All existing equipment and wiring

Service: If the need for service arises, please contact our main office at 313-255-4100, and request an in-person or remote service call for service assistance.

Sincerely,

design

Jeff Wilshaw

sound

Jeff Wilshaw
AVL Sales Specialist

sales

video

installation

intercom

service

acoustics

rentals



FAMILIAL DISCLOSURE AFFIDAVIT

All Bids shall be accompanied by a sworn statement disclosing any familial relationship that exists between the owner(s) or any employee of the bidder and any member of the Board of Education of the District and/or Superintendent of the district.

The undersigned, owner of the authorized offer of SOUND PLANNING COMMUNICATIONS (the bidder), pursuant of the familial disclosure requirement provided in the Clintondale Community School District, hereby represent and warrant, except as provided below, that no familial relationships exist between the bidder or any employee of the bidder, and any member of the Clintondale Community School District Board of Education and/or the Superintendent.

The following are the bidder's familial relationship(s) with the Clintondale Community School District:

Bidder/Employee Name, Related to, Relationship

1. N/A
2. N/A

(Attach additional pages if necessary to disclose all familial relationships)

There is no familial that exists between the bidder and/or any employee of the bidder and any member of the Clintondale Community School District Board of Education and/or Superintendent.

Bidder:

SOUND PLANNING COMMUNICATIONS
Company Name

By: [Signature] GENERAL MANAGER
Signature, Title

(Notarize this document using the space below)

[Signature]
TAMMY K. FUHRMAN
NOTARY PUBLIC, STATE OF MI
COUNTY OF WAYNE
MY COMMISSION EXPIRES Oct 7, 2026
ACTING IN COUNTY OF Macomb



CERTIFICATION OF COMPLIANCE – IRAN ECONOMIC SANCTIONS ACT

Michigan Public Act No. 517 of 2012

The undersigned, the owner, or authorized officer of the below-named company (the Company), pursuant to the compliance certification requirement provided by the Clintondale Community School District's request for proposal (the RFP), hereby certifies, represents, and warrants that the Company (which includes its officers, directors, and employees) is not an "Iran Linked Business" within the meaning of the Iran Economic Sanctions Act, Michigan Public Act No. 517 of 2012 (the "Act"), and that in the event the Company is awarded a contract by the Clintondale Community School District as a result of the aforementioned RFP, the Company is not and will not become an "Iran Linked Business" at any time during the course of performing any services under the contract.

The Company further acknowledges that any person who is found to have submitted a false certification is responsible for a civil penalty of not more than \$250,000 or two (2) times the amount of the contract for which the false certification was made, whichever is greater, the cost of the Clintondale Community School District's investigation, and reasonable attorney fees, in addition to the fine. Moreover, any person who submitted a false certification shall be ineligible to bid on a request for proposal for three (3) years from the date that it is determined that the person has submitted the false certification.

SOUND PLANNING COMMUNICATIONS

Name of Company

JEFF WILCO, GENERAL MANAGER

Name and Title of Authorized Representative

[Signature]

Signature

04/11/2024

Date





Bid Bond

CONTRACTOR:

(Name, legal status and address)

Sound Planning Communications, Inc

13000 Inkster Rd
Redford, MI 48239

OWNER:

(Name, legal status and address)

Clintondale Community Schools

35100 Little Mack Ave
Clinton Township, MI 48035

SURETY:

(Name, legal status and principal place of business)

The Ohio Casualty Insurance Company
175 Berkeley Street
Boston, MA 02116

MAILING ADDRESS FOR NOTICES:

Liberty Mutual Surety Claims
P.O. Box 34526
Seattle, WA 98124

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

BOND AMOUNT: 100% of Bid Amount One Hundred Percent of Bid Amount

PROJECT:

(Name, location or address, and Project number, if any)

Paging system renovation

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 11th day of April, 2024.

(Witness)

Kiana M. Pumphrey

(Witness) Kiana M. Pumphrey



Sound Planning Communications, Inc

(Contractor as Principal)

(Seal)

(Title)

The Ohio Casualty Insurance Company

(Surety)

Timothy A. Mikolajewski

(Title) Timothy A. Mikolajewski, Assistant Secretary



BID-0023805

Init.

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LMS-20862e 02/21

Liberty Mutual Surety vouches that the original text of this document conforms exactly to the text
in AIA Document A310-2010 Edition Bid Bond.



This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

The Ohio Casualty Insurance Company

POWER OF ATTORNEY

Principal: Sound Planning Communications, Inc

Agency Name: Meadowbrook, Inc.

Bond Number: BID-0023805

Obligee: Clintondale Community Schools

Bid Bond Amount: (100% of Bid Amount) One Hundred Percent of Bid Amount

KNOW ALL PERSONS BY THESE PRESENTS: that The Ohio Casualty Insurance Company, a corporation duly organized under the laws of the State of New Hampshire (herein collectively called the "Company"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint Timothy A. Mikolajewski in the city and state of Seattle, WA, each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Company in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of the Company has been affixed thereto this 28th day of March, 2021.



The Ohio Casualty Insurance Company

By:

David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 28th day of March, 2021, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of The Ohio Casualty Insurance Company and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2025
Commission number 1126044
Member, Pennsylvania Association of Notaries

By:

Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-law and Authorizations of The Ohio Casualty Insurance Company, which is now in full force and effect reading as follows:

ARTICLE IV - OFFICERS: Section 12. Power of Attorney.

Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature or electronic signatures of any assistant secretary of the Company or facsimile or mechanically reproduced or electronic seal of the Company, wherever appearing upon a certified copy of any power of attorney or bond issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, of The Ohio Casualty Insurance Company do hereby certify that this power of attorney executed by said Company is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Company this 11th day of April, 2024.



By:

Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email HOSUR@libertymutual.com.

4/15/24 9.49.54
CLINTONDALE

DETAIL CHECK REGISTER BY FUND
FROM 4/01/24 TO 4/12/24

CLNSHERRY

CD0502
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CHECK NUMBER	CHECK DATE	ASN	VEND #	VENDOR NAME	INVOICE NO	PO #	DESCRIPTION	AMOUNT
11 General Fund								
124506	4/04/24	09140	8574	ADN ADMINISTRATORS, INC			MARCH 2024 PAID CLAIMS	3,535.38
124506	4/04/24	09140	8574	ADN ADMINISTRATORS, INC	17840-PB2		APRIL 2024 PREMIUM	632.85
							COMPUTER CHECK TOTAL	4,168.23
124507	4/04/24	09120	356625	MESSA	2404-C66514		APRIL 2024 COBRA	153.95
124507	4/04/24	09120	356625	MESSA	2404-66791		APRIL 2024 PREMIUM	164,959.51
							COMPUTER CHECK TOTAL	165,113.46
124508	4/04/24	09105	395800	NATIONAL INSURANCE SERVICES	1615339		APRIL 2024 PREMIUM	9,529.85
							COMPUTER CHECK TOTAL	9,529.85
124509	4/04/24	09130	2046	PRIORITY HEALTH	240750001008		APRIL 2024 PREMIUM	65,307.72
							COMPUTER CHECK TOTAL	65,307.72
124510	4/12/24	09010	52195	AOC	4872		BOARD MEMBER NAME PLATE ENGRAV	24.00
							COMPUTER CHECK TOTAL	24.00
124511	4/12/24	07440	454010	ARCH ENVIRONMENTAL GROUP, INC.	2403055	240366	Stormwater-CONSULT	836.50
							COMPUTER CHECK TOTAL	836.50
124513	4/12/24	96750	82550	BSN SPORTS	925277228		TRACK UNIFORMS	954.00
							COMPUTER CHECK TOTAL	954.00
124514	4/12/24	96735	82335	BURKE'S SPORT HAVEN, INC.	CHS328FP		SOFTBALL UNIFORMS	1,039.80
124514	4/12/24	96710	82335	BURKE'S SPORT HAVEN, INC.	126293		EQUIPMENT & SUPPLIES	852.98
							COMPUTER CHECK TOTAL	1,892.78
124515	4/12/24	05760	92550	CAROLINA BIOLOGICAL SUPPLY COM	52499313RI	240347	Owl Pellet	113.12
124515	4/12/24	05760	92550	CAROLINA BIOLOGICAL SUPPLY COM	52499313RI		Freight & Handling	19.77
							COMPUTER CHECK TOTAL	132.89
124516	4/12/24	07002	353000	CINTAS CORP #721	4188700806		MOP HEAD RENTAL	187.28
							COMPUTER CHECK TOTAL	187.28
124517	4/12/24	07849	1680	COMPLETE INTERACTIVE TECHNOLOG	83001		MONTHLY CTAP LEASING	870.00
							COMPUTER CHECK TOTAL	870.00
124518	4/12/24	07500	142000	DALE'S LANDSCAPING SUPPLY	68672		HS TRACK-LONG JUMP AREA	73.50
							COMPUTER CHECK TOTAL	73.50
124519	4/12/24	07440	339900	DEPARTMENT OF ROADS	38171	240013	Salt	220.67
							COMPUTER CHECK TOTAL	220.67
124520	4/12/24	07285	161285	DIHYDRO SERVICES INC.	42654	240009	Water Filtration MCG	127.00
124520	4/12/24	07285	161285	DIHYDRO SERVICES INC.	42655		Water Filtration HS	503.00
124520	4/12/24	07285	161285	DIHYDRO SERVICES INC.	42656		Water Filtration PKR	140.00
							COMPUTER CHECK TOTAL	770.00
124521	4/12/24	07500	163060	DOWNRIVER REFRIGERATION SUPPLY	2000190		RBW-ROOF/PKR-RERIG/MAINT	112.09
							COMPUTER CHECK TOTAL	112.09

CLNSHERRY

DETAIL CHECK REGISTER BY FUND
FROM 4/01/24 TO 4/12/244/15/24 9.49.54
CLINTONDALE

CHECK NUMBER	CHECK DATE	ASN	VEND #	VENDOR NAME	INVOICE NO	PO #	DESCRIPTION	AMOUNT
11 General Fund								
124522	4/12/24	96665	2282	DRIVERGENT INC	2888	240142	Athletics	2,100.00
124522	4/12/24	08202	2282	DRIVERGENT INC	2917		Reg Ed Routes In Dist	11,700.00
124522	4/12/24	08211	2282	DRIVERGENT INC	2918		Reg Ed Out Dist	3,900.00
124522	4/12/24	08201	2282	DRIVERGENT INC	2919		Special Ed Routes	3,900.00
124522	4/12/24	08201	2282	DRIVERGENT INC	2920		Special Ed Routes	5,910.00
124522	4/12/24	00491	2282	DRIVERGENT INC	2921		Coord Special Ed Routes	3,900.00
124522	4/12/24	08201	2282	DRIVERGENT INC	2922		Special Ed Routes	1,410.00
124522	4/12/24	05801	2282	DRIVERGENT INC	2923		Special Ed Routes	1,880.00
124522	4/12/24	08201	2282	DRIVERGENT INC	2926		AFTER SCHOOL ROUTES	4,000.00
124522	4/12/24	96665	2282	DRIVERGENT INC	2968		Athletics	400.00
124522	4/12/24	08211	2282	DRIVERGENT INC	2990		Reg Ed Out Dist	5,850.00
124522	4/12/24	08202	2282	DRIVERGENT INC	2991		Reg Ed Routes In Dist	1,950.00
124522	4/12/24	08201	2282	DRIVERGENT INC	2992		Special Ed Routes	1,950.00
124522	4/12/24	08201	2282	DRIVERGENT INC	2993		Special Ed Routes	2,960.00
124522	4/12/24	00491	2282	DRIVERGENT INC	2994		Coord Special Ed Routes	1,950.00
124522	4/12/24	08201	2282	DRIVERGENT INC	2995		Special Ed Routes	705.00
124522	4/12/24	08201	2282	DRIVERGENT INC	2996		Special Ed Routes	940.00
** COMPUTER VOID **								
124524	4/12/24	07220	186026	ELECTRONIC SAFETY, INC.	35099	240372	Quarterly Billing	1,266.66
							COMPUTER CHECK TOTAL	1,266.66
124525	4/12/24	07220	1605	EMMI ENTERPRISES, INC	024002	240369	Added Cameras/LIBRARY MONITORS	1,425.00
							COMPUTER CHECK TOTAL	1,425.00
124526	4/12/24	96643	2609	GAME TIME ATHLETICS	1063		BASKETBALL REGISTRATION	450.00
							COMPUTER CHECK TOTAL	450.00
124527	4/12/24	06900	1683	GFL ENVIRONMENTAL USA INC	0065153750	240371	30 yrd	409.40
124527	4/12/24	06900	1683	GFL ENVIRONMENTAL USA INC	0065153750		Dist PICK UP	1,270.54
							COMPUTER CHECK TOTAL	1,679.94
124528	4/12/24	06450	229850	GORDON FOOD SERVICE, INC.	876237702	240328	DRAGON CAFE FOOD	357.01
124528	4/12/24	06450	229850	GORDON FOOD SERVICE, INC.	876237817		DRAGON CAFE FOOD	211.71
124528	4/12/24	06450	229850	GORDON FOOD SERVICE, INC.	876237829		DRAGON CAFE FOOD	35.57
124528	4/12/24	06450	229850	GORDON FOOD SERVICE, INC.	876237852		DRAGON CAFE FOOD	21.99
							COMPUTER CHECK TOTAL	626.28
124529	4/12/24	07500	232250	GRAINGER	9058768301	240365	Parker Gym	235.39
124529	4/12/24	07500	232250	GRAINGER	9066735755		McGlinnen	108.92
124529	4/12/24	07500	232250	GRAINGER	9068981167		*COMPUTER CHECK TOTAL*	126.00
								470.31
124530	4/12/24	05980	1729	HONORS GRADUATION	416341	240351	Graduation Honor Cord	281.25
124530	4/12/24	05980	1729	HONORS GRADUATION	416341		Graduation Honor Cord	112.50
124530	4/12/24	05980	1729	HONORS GRADUATION	416341		Graduation Honor Cord	26.25
124530	4/12/24	05980	1729	HONORS GRADUATION	416341		Graduation Honor Cord	168.75
124530	4/12/24	05980	1729	HONORS GRADUATION	416341		Shipping	4.00
124530	4/12/24	05980	1729	HONORS GRADUATION	422605		Graduation Honor Cord	30.00
124530	4/12/24	05980	1729	HONORS GRADUATION	422605		Shipping	4.00
							COMPUTER CHECK TOTAL	626.75

DETAIL CHECK REGISTER BY FUND
FROM 4/01/24 TO 4/12/24

4/15/24 9.49.54
CLINTONDALE

CHECK NUMBER	CHECK DATE	ASN	VEND #	VENDOR NAME	INVOICE NO	PO #	DESCRIPTION	AMOUNT
11 General Fund								
124531	4/12/24	09085	329760	MACKINAW ADMINISTRATORS, LLC	96096		MARCH 2024 REPLENISHMENT *COMPUTER CHECK TOTAL*	596.01 596.01
124532	4/12/24	05754	336160	MACOMB COMMUNITY COLLEGE	33024		DUAL ENROLLMENT-BOOKS *COMPUTER CHECK TOTAL*	4,860.88 4,860.88
124533	4/12/24	08941	338000	MACOMB COUNTY CHAMBER OF COMME	19006		23/24 MEMBERSHIP *COMPUTER CHECK TOTAL*	335.00 335.00
124535	4/12/24	05730	340501	MACOMB DUPLICATING CO.	151351		HS-STAPLES FOR COPIER	210.00
124535	4/12/24	08930	340501	MACOMB DUPLICATING CO.	151389		ADMIN COPY MACHINE COPIES	645.20
124535	4/12/24	08598	340501	MACOMB DUPLICATING CO.	151389		PRINT SHOP COPIES	7,446.20
124535	4/12/24	05730	340501	MACOMB DUPLICATING CO.	151389		HS COPIES	1,810.30
124535	4/12/24	07970	340501	MACOMB DUPLICATING CO.	151389		SS COPIES	64.12
124535	4/12/24	07235	340501	MACOMB DUPLICATING CO.	151389		B&G COPIES	29.36
124535	4/12/24	04940	340501	MACOMB DUPLICATING CO.	151389		MS COPIES	657.24
124535	4/12/24	04110	340501	MACOMB DUPLICATING CO.	151389		RBW COPIES	2,352.94
124535	4/12/24	02050	340501	MACOMB DUPLICATING CO.	151389		MCG COPIES	1,565.02
124535	4/12/24	04510	340501	MACOMB DUPLICATING CO.	151389		PKR COPIES	2,028.87
124535	4/12/24	09900	340501	MACOMB DUPLICATING CO.	151389		I CAMPUS COPIES	278.57
124535	4/12/24	04110	340501	MACOMB DUPLICATING CO.	151389		DAYCARE COPIES	479.70
							COMPUTER CHECK TOTAL	17,567.52
124536	4/12/24	07849	2117	MARCO TECHNOLOGIES, LLC	INV12045050		MONTHLY MFA SUBSCRIPTION	69.00
124536	4/12/24	07849	2117	MARCO TECHNOLOGIES, LLC	INV12386862		MFA MONTHLY SUBSCRIPTION	69.00
							COMPUTER CHECK TOTAL	138.00
124537	4/12/24	09010	329252	MASB	INV-119370		SUPERINTENDENT SEARCH	3,915.31
124537	4/12/24	08913	329252	MASB	INV-123605		2024 ERIN CONTRACT	995.00
							COMPUTER CHECK TOTAL	4,910.31
124538	4/12/24	08700	423500	MILLCRAFT PAPER STORE	CSI3333313		PAPER/STICKER SUPPLIES	2,831.11
							COMPUTER CHECK TOTAL	2,831.11
124539	4/12/24	09470	414730	OCCUPATIONAL HEALTH CENTERS	715322268		NEW HIRE PHYSICAL-CURRIE	158.00
124539	4/12/24	09470	414730	OCCUPATIONAL HEALTH CENTERS	715322268		INJURY CARE-SZYMANSKI	158.00
124539	4/12/24	09470	414730	OCCUPATIONAL HEALTH CENTERS	715335141		NEW HIRE PHYSICAL-JENKINS	158.00
							COMPUTER CHECK TOTAL	474.00
124542	4/12/24	07440	442675	POWER VAC SERVICE, INC	33746017	240367	McGlennen-CATCH BASINS	1,196.00
124542	4/12/24	07440	442675	POWER VAC SERVICE, INC	33749281-1		McGlennen-JET VAC CALCIUM LINE	5,760.00
							COMPUTER CHECK TOTAL	6,956.00
124543	4/12/24	05230	451000	QUILL CORPORATION	176532598	240350	Office Supplies	14.37
124543	4/12/24	04980	451000	QUILL CORPORATION	37862665		Teacher supplies	219.80
							COMPUTER CHECK TOTAL	234.17
124544	4/12/24	02190	209880	SCHOOL SPECIALITY, INC.	208133496864	240251	Office Supplies	132.36
124544	4/12/24	02190	209880	SCHOOL SPECIALITY, INC.	308104467438		Office Supplies	67.13
							COMPUTER CHECK TOTAL	199.49

CLNSHERRY

DETAIL CHECK REGISTER BY FUND
FROM 4/01/24 TO 4/12/244/15/24 9.49.54
CLINTONDALE

CHECK NUMBER	CHECK DATE	ASN	VEND #	VENDOR NAME	INVOICE NO	PO #	DESCRIPTION	AMOUNT
11 General Fund								
124545	4/12/24	07600	494700	SHERWIN-WILLIAMS COMPANY	1884=8		ADMIN OFFICE PAINT *COMPUTER CHECK TOTAL*	45.42 45.42
124546	4/12/24	09010	494995	SHREDCORP	4308282		DISTRICT SHREDDING *COMPUTER CHECK TOTAL*	165.00 165.00
124547	4/12/24	09386	2569	SOLARIANT	20915020	240363	Staffing-Psychologist	3,675.00
124547	4/12/24	09386	2569	SOLARIANT	20926534		Staffing-Psychologist *COMPUTER CHECK TOTAL*	3,675.00 7,350.00
124548	4/12/24	07000	522540	SUPPLYDEN, INC.	296631-00		CUSTODIAL SUPPLIES-DAYCARE *COMPUTER CHECK TOTAL*	264.96 264.96
124549	4/12/24	08900	531080	THRUN LAW FIRM, P.C.	290895		LEGAL SERVICES	245.00
124549	4/12/24	08900	531080	THRUN LAW FIRM, P.C.	294104		LEGAL FEES *COMPUTER CHECK TOTAL*	2,957.50 3,202.50
124550	4/12/24	96643	876	TOTAL SPORTS		240362	bowling practice LANES *COMPUTER CHECK TOTAL*	600.00 600.00
124551	4/12/24	05960	2607	TREERING CORPORATION	130613-2023		HS YEARBOOK PURCHASE *COMPUTER CHECK TOTAL*	39.20 39.20
124552	4/12/24	08859	605755	KORREY DIXON	2-202403-18		RIBBON CUTTING CEREMONY SERVIC *COMPUTER CHECK TOTAL*	725.00 725.00
124553	4/12/24	07440	2002	EDGARD J GEIST III	20240326JG		PKR-CONTROLLER ISSUES *COMPUTER CHECK TOTAL*	280.00 280.00
124554	4/12/24	09175	1420	21ST CENTURY MEDIA	2580694		CARD ACCESS BID *COMPUTER CHECK TOTAL*	349.25 349.25
124555	4/12/24	00999	953	SCREEN TEK IMAGING SOLUTIONS	60158		CTE SUPPLIES *COMPUTER CHECK TOTAL*	203.93 203.93
5506	4/01/24	40030	899	HEALTH EQUITY			REE FSA CONTRIBUTIONS 3/29 PAY * MANUAL CHECK TOTAL *	5,421.00 5,421.00
5507	4/01/24	06945	140075	DTE ENERGY			FH 910040544587 THRU 2/29 * MANUAL CHECK TOTAL *	30.15 30.15
5508	4/02/24	06920	944	CONSTELLATION	3999923		ADM GAS THRU 2/29	1,081.21
5508	4/02/24	06140	944	CONSTELLATION	3999923		HS GAS THRU 2/29	8,320.00
5508	4/02/24	05350	944	CONSTELLATION	3999923		MS GAS THRU 2/29	12,480.01
5508	4/02/24	02230	944	CONSTELLATION	3999923		MCG GAS THRU 2/29	3,238.14
5508	4/02/24	04660	944	CONSTELLATION	3999923		PKR GAS THRU 2/29	4,624.40
5508	4/02/24	04280	944	CONSTELLATION	3999923		RBW GAS THRU 2/29 * MANUAL CHECK TOTAL *	4,319.56 34,063.32
5509	4/03/24	06950	1758	TELNET WORLDWIDE, INC	51910		DISTRICT PHONE SERVICES * MANUAL CHECK TOTAL *	485.09 485.09

CLNSHERRY
DETAIL CHECK REGISTER BY FUND
FROM 4/01/24 TO 4/12/244/15/24 9.49.54
CLINTONDALE

CHECK NUMBER	CHECK DATE	ASN	VEND #	VENDOR NAME	INVOICE NO	PO #	DESCRIPTION	AMOUNT
11 General Fund								
5510	4/03/24	40110	412	MICHIGAN SCHOOLS AND GOVERNMENT			BALANCE CU DEP 3/30 PAY * MANUAL CHECK TOTAL *	22,134.02 22,134.02
5511	4/04/24	00605	547575	U.S. BANK			2009 BOND PRINCIPAL	285,000.00
5511	4/04/24	00600	547575	U.S. BANK			2009 BOND INTEREST * MANUAL CHECK TOTAL *	6,768.75 291,768.75
5512	4/04/24	40116	2149	SUB TEACHER SOURCE	116557		SUB TEACHERS	402.36
5512	4/04/24	40116	2149	SUB TEACHER SOURCE	116560		SUB TEACHERS	201.18
5512	4/04/24	40116	2149	SUB TEACHER SOURCE	116565		SUB TEACHERS	201.18
5512	4/04/24	40116	2149	SUB TEACHER SOURCE	116568		SUB TEACHERS * MANUAL CHECK TOTAL *	804.72 1,609.44
5513	4/05/24	09135	2046	PRIORITY HEALTH			EE HRA CLAIMS THRU 4/01 * MANUAL CHECK TOTAL *	2,422.94 2,422.94
5514	4/05/24	40150	364800	MICHIGAN PUBLIC SCHOOL EMPLOYEE			CONTRIBUTION 3/30 PAY	172,842.13
5514	4/05/24	40102	364800	MICHIGAN PUBLIC SCHOOL EMPLOYEE			MIP PAYMENT 3/30 PAY	37,292.20
5514	4/05/24	40103	364800	MICHIGAN PUBLIC SCHOOL EMPLOYEE			TDP PAYMENT 3/30 PAY	560.93
5514	4/05/24	40022	364800	MICHIGAN PUBLIC SCHOOL EMPLOYEE			D% DCP PAYMENT 3/30 PAY	12,779.98
5514	4/05/24	40022	364800	MICHIGAN PUBLIC SCHOOL EMPLOYEE			D% DCP MATCH 3/30 PAY	5,352.31
5514	4/05/24	40029	364800	MICHIGAN PUBLIC SCHOOL EMPLOYEE			D% PHF PAYMENT 3/30 PAY	3,787.54
5514	4/05/24	40022	364800	MICHIGAN PUBLIC SCHOOL EMPLOYEE			D% PHF MATCH 3/30 PAY * MANUAL CHECK TOTAL *	3,787.54 236,402.63
5516	4/05/24	06920	944	CONSTELLATION	4001632		ADM GAS THRU 3/31	812.94
5516	4/05/24	06140	944	CONSTELLATION	4001632		HS GAS THRU 3/31	6,778.04
5516	4/05/24	05350	944	CONSTELLATION	4001632		MS GAS THRU 3/31	10,167.07
5516	4/05/24	02230	944	CONSTELLATION	4001632		MCG GAS THRU 3/31	2,034.21
5516	4/05/24	04660	944	CONSTELLATION	4001632		PKR GAS THRU 3/31	3,009.15
5516	4/05/24	04280	944	CONSTELLATION	4001632		RBW GAS THRU 3/31 * MANUAL CHECK TOTAL *	1,923.16 24,724.57
5517	4/08/24	00615	547575	U.S. BANK			2013 BOND PRINCIPAL	130,000.00
5517	4/08/24	00610	547575	U.S. BANK			2013 BOND INTEREST * MANUAL CHECK TOTAL *	12,362.50 142,362.50
5518	4/08/24	08859	441900	POSTMASTER			COMMUNICATOR POSTAGE * MANUAL CHECK TOTAL *	940.17 940.17
5519	4/09/24	05370	153900	DTE ENERGY			MS 910040103673 THRU 3/17	11,237.24
5519	4/09/24	06160	153900	DTE ENERGY			HS 910040103673 THRU 3/17 * MANUAL CHECK TOTAL *	7,491.50 18,728.74
5521	4/11/24	06945	140020	DTE ENERGY			FH 910001864388 THRU 3/18 * MANUAL CHECK TOTAL *	141.32 141.32
5522	4/11/24	09386	2572	AQUAD EDUCATIONAL CONSULTING P 2024-0011	240364		Staffing-Psychologist	8,250.00
5522	4/11/24	09386	2572	AQUAD EDUCATIONAL CONSULTING P 2024-0011			Staffing-Psychologist * MANUAL CHECK TOTAL *	28,500.00 36,750.00

DETAIL CHECK REGISTER BY FUND
FROM 4/01/24 TO 4/12/24

CHECK NUMBER	CHECK DATE	ASN	VEND #	VENDOR NAME	INVOICE NO	PO #	DESCRIPTION	AMOUNT
11 General Fund								
5523	4/11/24	07500	1638	MENARDS		240370	Maintenance Supplies * MANUAL CHECK TOTAL *	436.85 436.85
5524	4/11/24	40110	412	MICHIGAN SCHOOLS AND GOVERNMENT			CU DEPOSIT 4/15 PAY * MANUAL CHECK TOTAL *	42,723.65 42,723.65
5525	4/11/24	40004	624	FLAGSTAR BANK			DD & NET CHECKS 4/15 PAY * MANUAL CHECK TOTAL *	334,314.14 334,314.14
5526	4/12/24	40116	2428	EDUSTAFF	2024041201-4		CONTRACT SUBS THRU 3/24 * MANUAL CHECK TOTAL *	32,875.49 32,875.49
5527	4/12/24	40122	515100	STATE OF MICHIGAN			STATE TAXES 4/15 PAY * MANUAL CHECK TOTAL *	19,681.13 19,681.13
5528	4/12/24	09135	2046	PRIORITY HEALTH			EE HRA CLAIMS THRU 4/08 * MANUAL CHECK TOTAL *	2,535.80 2,535.80
11 General Fund								
							COMPUTER CHECKS	45 \$364,470.66
							MANUAL CHECKS	21 \$1,250,551.70
							TOTAL CHECKS	66 \$1,615,022.36
							*** VOID SUMMARY ***	
							COMPUTER VOID CHECKS	1 *NON-PAYMENT*
							VOID CHECKS - COMPUTER	
							VOID CHECKS - MANUAL	
							TOTAL VOID CHECKS	1
							TOTAL NET CHECKS	65 \$1,615,022.36
							REPLACEMENT CHECKS	

CHECK NUMBER	CHECK DATE	ASN	VEND #	VENDOR NAME	INVOICE NO	PO #	DESCRIPTION	AMOUNT
12 Federal Grants								
124512	4/12/24	11116	1373	BLUUM OF MINNESOTA, LLC	972049		SOUND SYSTEMS *COMPUTER CHECK TOTAL*	41,650.00 41,650.00
124540	4/12/24	12100	635710	PETTY CASH-ADMINISTRATION			MCKINNEY VENTO GAS CARDS *COMPUTER CHECK TOTAL*	400.00 400.00
124556	4/12/24	11115	1471	STRATEGIC INTERVENTION SOLUTIONS	4005		16 DAYS OF COACHING *COMPUTER CHECK TOTAL*	49,950.00 49,950.00
12 Federal Grants								
							COMPUTER CHECKS	3 \$92,000.00
							MANUAL CHECKS	3 \$92,000.00
							TOTAL CHECKS	
							*** VOID SUMMARY ***	
							COMPUTER VOID CHECKS	
							VOID CHECKS - COMPUTER	
							VOID CHECKS - MANUAL	
							TOTAL VOID CHECKS	
							TOTAL NET CHECKS	3 \$92,000.00
							REPLACEMENT CHECKS	

NON-PAYMENT

CHECK NUMBER	CHECK DATE	ASN	VEND #	VENDOR NAME	INVOICE NO	PO #	DESCRIPTION	AMOUNT
13 State and Local Grants								
124522*	4/12/24	00236	2282	DRIVERGENT INC	2924	240142	GSRP/Current Year	3,900.00
124522	4/12/24	00236	2282	DRIVERGENT INC	2925		GSRP/Current Year	1,410.00
124522	4/12/24	00236	2282	DRIVERGENT INC	2997		GSRP/Current Year	1,950.00
** COMPUTER VOID **								
124523	4/12/24	00236	2282	DRIVERGENT INC	2998		GSRP ROUTES	705.00
							COMPUTER CHECK TOTAL	7,965.00
124541	4/12/24	99965	2380	POSITIVITY PROJECT LLC	SPM-00452		SHOOL PARTNERSHIP THRU 6/30/25	22,770.00
							COMPUTER CHECK TOTAL	22,770.00
13 State and Local Grants								
							COMPUTER CHECKS	3 \$30,735.00
							MANUAL CHECKS	
							TOTAL CHECKS	3 \$30,735.00
*** VOID SUMMARY ***								
							COMPUTER VOID CHECKS	1 *NON-PAYMENT*
							VOID CHECKS - COMPUTER	
							VOID CHECKS - MANUAL	
							TOTAL VOID CHECKS	1
							TOTAL NET CHECKS	2 \$30,735.00
REPLACEMENT CHECKS								

*=CHECK ALSO EXISTS IN A PRIOR FUND

CHECK NUMBER	CHECK DATE	ASN	VEND #	VENDOR NAME	INVOICE NO	PO #	DESCRIPTION	AMOUNT
25 School Lunch Fund								
124534	4/12/24	82073	339325	MACOMB COUNTY HEALTH DEPARTMEN			BUILDING FOOD SERVICE LICENSES	1,016.00
							COMPUTER CHECK TOTAL	1,016.00
124535*	4/12/24	82020	340501	MACOMB DUPLICATING CO.	151389		FS COPIES	23.60
							COMPUTER CHECK TOTAL	23.60
5520	4/10/24	82005	2424	SFE HOLDINGS LLC	24031201		MARCH FOOD SERVICE	92,661.77
							* MANUAL CHECK TOTAL *	92,661.77
25 School Lunch Fund								
							COMPUTER CHECKS	2 \$1,039.60
							MANUAL CHECKS	1 \$92,661.77
							TOTAL CHECKS	3 \$93,701.37
*** VOID SUMMARY ***								
							COMPUTER VOID CHECKS	*NON-PAYMENT*
							VOID CHECKS - COMPUTER	
							VOID CHECKS - MANUAL	
							TOTAL VOID CHECKS	
							TOTAL NET CHECKS	3 \$93,701.37
REPLACEMENT CHECKS								

*=CHECK ALSO EXISTS IN A PRIOR FUND

DETAIL CHECK REGISTER BY FUND
FROM 4/01/24 TO 4/12/24

CLNSHERRY

CHECK NUMBER	CHECK DATE	ASN	VEND #	VENDOR NAME	INVOICE NO	PO #	DESCRIPTION	AMOUNT
29 Student/School Activity Fund								
3557	4/12/24	85963	480000	SCHOLASTIC BOOK FAIRS	5475156		MCG-BOOK FAIR *COMPUTER CHECK TOTAL*	397.79 397.79
3558	4/12/24	85962	1911	SABRINA ALSKO			CLASS PIZZA PARTY *COMPUTER CHECK TOTAL*	61.73 61.73
3559	4/12/24	85927	1896	JOE ARMENT			BOWLING BANQUET *COMPUTER CHECK TOTAL*	240.00 240.00
3560	4/12/24	85962	600279	TARA AVERY			END OF YEAR PARTY *COMPUTER CHECK TOTAL*	52.72 52.72
3561	4/12/24	85962	610475	CAROL HAMPTON			RBW-PBIS SUPPLIES *COMPUTER CHECK TOTAL*	55.09 55.09
3562	4/12/24	85962	1677	MARISSA PAQUETTE			CLASS PIZZA PARTY *COMPUTER CHECK TOTAL*	56.22 56.22

29 Student/School Activity Fund

6	COMPUTER CHECKS	\$863.55
6	MANUAL CHECKS	\$863.55
	TOTAL CHECKS	
*** VOID SUMMARY ***		
	COMPUTER VOID CHECKS	*NON-PAYMENT*
	VOID CHECKS - COMPUTER	
	VOID CHECKS - MANUAL	
	TOTAL VOID CHECKS	
6	TOTAL NET CHECKS	\$863.55
REPLACEMENT CHECKS		

CHECK NUMBER	CHECK DATE	ASN	VEND #	VENDOR NAME	INVOICE NO	PO #	DESCRIPTION	AMOUNT
*** GRAND TOTALS ***								
							COMPUTER CHECKS	57 \$489,108.81
							MANUAL CHECKS	22 \$1,343,213.47
							TOTAL CHECKS	79 \$1,832,322.28
*** VOID SUMMARY ***								
							COMPUTER VOID CHECKS	1 *NON-PAYMENT*
							VOID CHECKS - COMPUTER	
							VOID CHECKS - MANUAL	
							TOTAL VOID CHECKS	1
							TOTAL NET CHECKS	78 \$1,832,322.28

REPLACEMENT CHECKS

CHECKS IN MULTIPLE FUNDS ONLY COUNTED ONCE FOR GRAND TOTALS

** SPOILED CHECKS NOT INCLUDED IN THIS REPORT **