



## REGULAR MEETING NOTICE OF THE BOARD OF DIRECTORS

Date/Time: **Thursday, April 17, 2025 – 6:00 p.m.**  
Location: **1017 E. 16<sup>th</sup> St., Room 1, Chico, CA 95928**

### AGENDA

#### **A. CALL TO ORDER (6:00)**

##### **A.1 Land Acknowledgement**

*Sherwood Montessori acknowledges that we are on the unceded ancestral homeland of the Mechoopda people. Dr. Maria Montessori said: "We shall walk together on this path of life, for all things are part of the universe and are connected with each other to form one whole unity." As Montessori educators, we recognize that the Mechoopda people are the experts on the way to walk on the path of life here, with respect, gratitude and responsibility for the land, flora, fauna, waters, and air of this place. We extend our respects to the Mechoopda ancestors, elders, and all their relations in affirming their sovereign rights.*

**A.2 Roll Call** Tina Hanson-Lewis, Sam Lawson, Maria Santori, Dinah Weller, Holly Sisk

#### **B. CONSENT AGENDA (6:05)**

**B.1 Minutes Approval** Consider approval of minutes from Regular Meeting, March 27, 2025.

**B.2 Audit Engagement** Consider approval of a one year contract for the annual financial audit.

#### **C. PUBLIC COMMENT ON ITEMS NOT ON THE AGENDA (6:10)**

Any person may address the Board during the "Public Comment" item by stating their name for the record and reason for comment. The Board may not act on any matter unless duly agendized for a future meeting.

#### **D. NOTICED PUBLIC HEARINGS**

**None**

#### **E. REGULAR BUSINESS (6:20)**

##### **E.1 Items Removed from Consent (If any)**

As a 501(c)3 non-profit public benefit corporation, the meetings of the Sherwood Montessori Board of Directors are open to the public. An individual who requires disability-related accommodations or modifications, including auxiliary aids and services, in order to participate in the Board meeting should notify the board in writing at least 48 hours prior to the meeting. All meetings of the Board of Directors will be advertised on the school website and recorded in accordance with the Brown Act.

## **E.2 Reports and Communications**

*This time will be for Board members to ask questions regarding the provided written materials.*

- E.2.1 School Director Report**
- E.2.2 Treasurer Report**
- E.2.3 Instructional Staff Report**

## **E.3 Action Items (6:40)**

**E.3.1 Measure K Proposal: Air Conditioning Overage** Consider approval of having overage come from Measure K allocation instead of general fund.  
**Action Requested:** Approve proposal.

**E.3.2 Measure K Proposal: Security Cameras** Consider approval of Measure K spending proposal for security cameras.  
**Action Requested:** Approve proposal.

## **E.4 Board Governance (7:10)**

**E.4.1 Elections Committee Update** The Elections Committee will update the Board on recruitment efforts.

## **F. FUTURE AGENDA ITEMS (7:20)**

The Board will be asked to discuss the 2025-2026 Local Control Accountability Plan (LCAP) and adopt the LCAP at a subsequent meeting before June 30. The Board will receive an update on Board Elections.

## **G. CLOSED SESSION (7:25)**

### **G.1 Public Employee Performance Evaluation**

With respect to every item of business to be discussed in a closed session pursuant to Government Code Section 54957. Title: School Director.

## **H. ADJOURNMENT (7:35)**

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Sherwood Montessori Board of Directors  
Regular Meeting, March 27, 2025  
Meeting Minutes

A. Call to Order - Meeting started: 6:11pm

A.1 Land acknowledgement

A.2 Roll Call: Tina Lewis, Samantha Lawson, Holly Sisk, Maria Santoni

B. Consent Agenda

B.1 Minutes Approval

- Sam moves to approve, Holly seconds, unanimous approval

B.2 Audit Accepted

- Questions were asked to Michelle and Pat about the findings. They explained that they were circumstantial and will not be recurring issues.
- Sam moves to approve, Maria seconds, unanimous approval

C. Public Comment - None

D. Noticed Public Hearings - None

E. Regular Business

E.1 Items removed from consent - none

E.2.1 School Director Report

- Enrollment = 127 with 129 on Monday
- CUSD Board meeting will be on Wednesday April 16th at 6pm at Merigold
- Board is encouraged to attend

E.2.2 Treasurer's Report

- A lot of numbers were asked about and explained, the general take away was Pat was saying the school is doing a bit better than he thought we would be 2-3 months ago but it is not in the clear yet. ADA needs to go up a bit more before he feels more comfortable.

E.3 Action Items

E.3.1 Community Surveys

- Suggestions about question rewording/additions were given

E.3.2 Adoption of Second Interim Budget

- Maria moves to approve, Holly seconds, unanimous approval

E.3.3 Extended Learning Opportunities Program Plan Approval

- Clarifying questions were asked about acronyms and state reimbursements
- Sam motioned to approve, Holly seconded, unanimous approval

E.4 Board Governance

- E.4.1 Elections Committee Update
- Timeline (general) : Vote in May 22nd meeting so need elections by May 15th so need to start elections May 8th which puts call for nominations at May 1st.

F. Closed Session

F.1: Action: None

G. Adjournment: 7:40pm

April 4, 2025

Ms. Michelle Yezbick  
Sherwood Montessori  
1010 Cleveland Avenue  
Chico, CA 95928

55 Independence Circle, Suite 102  
Chico, CA 95973  
530.588.7427

Dear Michelle:

The following represents our understanding of the services we will provide Sherwood Montessori (the Charter School).

You have requested that we audit the basic financial statements of the Charter School, which comprise the statements of financial position as of June 30, 2025; the related statement of activities and cash flows for the year then ended; and the related notes to the financial statements. We are pleased to confirm our acceptance and our understanding of this audit engagement by means of this letter.

The objectives of our audit are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with auditing standards generally accepted in the United States of America (U.S. GAAS) and *Government Auditing Standards*, will always detect a material misstatement when it exists. Misstatements, including omissions, can arise from fraud or error and are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

The following supplementary information will be presented for purposes of additional analysis and is not a required part of the financial statements. Such information, which is the responsibility of management, will be subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with U.S. GAAS. Our auditors' report will provide an opinion on the supplementary information in relation to the financial statements as a whole:

- Schedule of Average Daily Attendance
- Schedule of Instructional Time

The Local Educational Agency Organization Structure will also accompany the Charter School's financial statements as other information. The other information will not be subjected to the auditing procedures applied in our audit of the financial statements. Our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the financial statements, or the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement to the other information exists, we are required to describe it in our report. Our opinion on the financial statements will not cover the other information, and we will not express an opinion or any form of assurance thereon.

### **Auditor Responsibilities**

We will conduct our audit in accordance with U.S. GAAS, the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States of America, and the *Guide for Annual Audits of K-12 Local Educational Agencies and State Compliance Reporting*, issued by the Education Audit Appeals Panel. As part of an audit in accordance with these standards, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Charter School's internal control. However, we will communicate to you in writing concerning any significant deficiencies or material weaknesses in internal control relevant to the audit of the financial statements that we have identified during the audit.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Conclude, based on the audit evidence obtained, whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Charter School's ability to continue as a going concern for a reasonable period of time.

Because of the inherent limitations of an audit, together with the inherent limitations of internal control, an unavoidable risk that some material misstatements or noncompliance may not be detected exists, even though the audit is properly planned and performed in accordance with U.S. GAAS, *Government Auditing Standards*, issued by the Comptroller General of the United States of America, and the *Guide for Annual Audits of K-12 Local Educational Agencies and State Compliance Reporting*, issued by the Education Audit Appeals Panel. Please note that the determination of abuse is subjective and *Government Auditing Standards* does not require auditors to detect abuse.

Our responsibility as auditors is limited to the period covered by our audit and does not extend to any other periods.

### **Compliance with Laws and Regulations**

As part of obtaining reasonable assurance about whether the financial statements are free of material misstatement, we will perform tests of the Charter School's compliance with certain provisions of laws, regulations, contracts, and grants that could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions is not an objective of our audit, and accordingly, we will not express such an opinion, except as noted in this letter related to certain provisions of state compliance.

### **Management Responsibilities**

Our audit will be conducted on the basis that management acknowledge and understand that they have responsibility:

1. For the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP);
2. For the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to error, fraudulent financial reporting, misappropriation of assets, or violations of laws, governmental regulations, grant agreements, or contractual agreements;
3. To provide us with:
  - a. Access to all information of which management is aware that is relevant to the preparation and fair presentation of the financial statements, such as records, documentation, and other matters;
  - b. Additional information that we may request from management for the purpose of the audit;
  - c. Unrestricted access to persons within the Charter School from whom we determine it necessary to obtain audit evidence.
4. For including the auditors' report in any document containing financial statements that indicates that such financial statements have been audited by us;

5. For identifying and ensuring that the Charter School complies with the laws and regulations applicable to its activities;
6. For adjusting the financial statements to correct material misstatements and confirming to us in the management representation letter that the effects of any uncorrected misstatements aggregated by us during the current engagement and pertaining to the current period under audit are immaterial, both individually and in the aggregate, to the financial statements as a whole;
7. For acceptance of nonattest services, including identifying the proper party to oversee nonattest work;
8. For maintaining adequate records, selecting and applying accounting principles, and safeguarding assets;
9. For informing us of any known or suspected fraud affecting the Charter School involving management, employees with a significant role in internal control and others where fraud could have a material effect on the financials;
10. For the accuracy and completeness of all information provided;
11. For taking reasonable measures to safeguard protected personally identifiable and other sensitive information; and
12. For confirming your understanding of your responsibilities as defined in this letter to us in your management representation letter.

With regard to the supplementary and information (the information) referred to above, you acknowledge and understand your responsibility: (a) for the preparation of the information in accordance with the applicable criteria; (b) to provide us with the appropriate written representations regarding information; (c) to include our report on the information in any document that contains the information and that indicates that we have reported on such information; and (d) to present the information with the audited financial statements, or if the information will not be presented with the audited financial statements, to make the audited financial statements readily available to the intended users of the information no later than the date of issuance by you of the information and our report thereon.

As part of our audit process, we will request from management written confirmation concerning representations made to us in connection with the audit.

### **Nonattest Services**

With respect to any nonattest services we perform, we agree to perform the following:

- Assist with financial statement drafting, including the notes to the financial statements and supplementary/other information.
- Update the depreciation schedule based on client-provided data.
- Prepare the California and federal organizational returns.

With respect to any nonattest services we perform, we will not assume management responsibilities on behalf of the Charter School. However, we will provide advice and recommendations to assist the Charter School's management in performing its responsibilities. The Charter School's management is responsible for: (a) making all management decisions and performing all management functions; (b) assigning a competent individual to oversee the services; (c) evaluating the adequacy of the services performed; (d) evaluating and accepting responsibility for the results of the services performed; and (e) designing, implementing, and maintaining the system of internal control, including the process used to monitor the system of internal control. *Government Auditing Standards* require that we document an assessment of the skills, knowledge, and experience of management, should we participate in any form of preparation of the basic financial statements and related schedules or disclosures as these actions are deemed a nonattest service.

Our responsibilities and limitations of the nonattest services are as follows:

- We will perform the services in accordance with applicable professional standards, including the Statements on Standards for Accounting and Review Services, the Statement on Standards for Consulting Services, and the Statements on Standards for Tax Services.
- The nonattest services are limited to those previously outlined. We, in our sole professional judgment, reserve the right to refuse to do any procedure or take any action that could be construed as making management decisions or assuming management responsibilities.

## **Reporting**

We will issue a written report upon completion of our audit of the Charter School's basic financial statements. Our report will be addressed to the Board of Directors of the Charter School. Circumstances may arise in which our report may differ from its expected form and content based on the results of our audit. Depending on the nature of the circumstances, it may be necessary for us to modify our opinion, add an emphasis-of-matter or other-matter paragraph(s) to our auditors' report, or if necessary, withdraw from the engagement. If our opinion on the basic financial statements is other than unmodified, we will discuss the reasons with you in advance. If, for any reason, we are unable to complete the audit or are unable to form or have not formed an opinion, we may decline to express an opinion or to issue a report as a result of the engagement.

In accordance with the requirements of *Government Auditing Standards*, we will also issue a written report describing the scope of our testing of internal control over financial reporting and over compliance with laws, regulations, and provisions of grants and contracts, including the results of that testing. However, providing an opinion on internal control and compliance will not be an objective of the audit and, therefore, no such opinion will be expressed.



In accordance with the *Guide for Annual Audits of K-12 Local Educational Agencies and State Compliance Reporting*, we will also issue a written report that will include an opinion or disclaimer of opinion regarding the Charter School's compliance with the state compliance requirements described in the *Guide for Annual Audits of K-12 Local Educational Agencies and State Compliance Reporting*. We will also issue a written report describing the scope of our testing over internal control over state compliance, including the results of that testing. However, providing an opinion on internal control over state compliance will not be an objective of the audit and, therefore, no such opinion will be expressed.

## Other

If you intend to publish or otherwise reproduce the financial statements and make reference to our firm, you agree to provide us with printers' proofs or masters for our review and approval before printing. You also agree to provide us with a copy of the final reproduced material for our approval before it is distributed.

With regard to the electronic dissemination of audited financial statements, including financial statements published electronically on your website, you understand that electronic sites are a means to distribute information and, therefore, we are not required to read the information contained in these sites or to consider the consistency of other information in the electronic site with the original document.

Professional standards prohibit us from being the sole host and/or the sole storage for your financial and non-financial data. As such, it is your responsibility to maintain your original data and records and we cannot be responsible to maintain such original information. By signing this engagement letter, you affirm that you have all the data and records required to make your books and records complete.

## Provisions of Engagement Administration, Timing, and Fees

During the course of the engagement, we may communicate with you or your personnel via fax or e-mail, and you should be aware that communication in those mediums contains a risk of misdirected or intercepted communications.

The timing of our audit will be scheduled for performance and completion as follows:

|   | <i>Begin</i>   | <i>Complete</i> |
|---|----------------|-----------------|
| Document internal control and preliminary tests | July           | September       |
| Mail confirmations                              | July           | September       |
| Perform year-end audit procedures               | September      | November        |
| Issue audit report                              | By December 15 | December 15     |

Delays in receipt of items requested for the audit or other unexpected circumstances may result in delays to the estimated timeline.

In accordance with our document retention and destruction policy, the documentation related to this engagement will be retained for eight years.

We may from time to time, and depending on the circumstances, use certain third-party service providers in serving your account. This may include the use of a third-party portal to facilitate the transfer of potentially confidential information. We may also share confidential information about you with these service providers, but remain committed to maintaining the confidentiality and security of your information. Accordingly, we maintain internal policies, procedures, and safeguards to protect the confidentiality of your personal information and we will take reasonable precautions to determine that they have appropriate procedures in place to prevent the unauthorized release of your confidential information to others. By your signature below, you consent to having confidential information transmitted to entities outside the firm. Please feel free to inquire if you would like additional information regarding the transmission of confidential information to entities outside the firm.

Joy L. McNulty is the engagement partner for the audit services specified in this letter. Her responsibilities include supervising Horton McNulty & Saeteurn, LLP's services performed as part of this engagement and signing or authorizing another qualified firm representative to sign the audit report.

Our fees are based on the amount of time required at various levels of responsibility, plus actual out-of-pocket expenses. Our gross fee, including expenses, will not exceed the following for the fiscal year indicated:

|         |          |
|---------|----------|
| 2024-25 | \$14,100 |
|---------|----------|

The fee estimate is based on anticipated cooperation from your personnel and the assumption that unexpected circumstances will not be encountered while performing the work. We understand that you will provide us with all financial records and related information required for our audit and that you are responsible for the accuracy and completeness of that information. We will provide you with lists of information and various forms that can be used to provide us with the financial records and related information required for our audit. You will be obligated to compensate us at the average hourly rates included below for all time expended by us as a result of unexpected circumstances which may include but are not limited to: the issuance of new long-term debt; acquisition or construction of significant new capital assets; implementing new attendance programs; receiving new awards subject to state compliance testing; audit findings; and adjusting the financial statements for inaccurate or incomplete amounts recorded in the general ledger or unaudited actual financial reports. Your employees will prepare all confirmations we request and will locate any documents or invoices selected by us for testing. As part of our audit process, we may request written representations from your attorneys, and they may bill you for responding.

Whenever possible, we will attempt to use Charter School's personnel to assist in the preparation of schedules and analyses of accounts. This effort could substantially reduce our time requirements and facilitate the timely conclusion of the audit.

Our invoices for these fees will be rendered each month as work progresses and are payable on presentation. A late payment fee of 1.5% per month will be added to all overdue balances over 30 days. In accordance with our firm policies, work may be suspended if your account becomes 30 days or more overdue and will not be resumed until your account is paid in full. If we elect to terminate our services for nonpayment, our engagement will be deemed to have been completed upon written notification of termination, even if we have not completed our report. You will be obligated to compensate us for all charges and to reimburse us for all out-of-pocket expenditures through the date of termination.

We will also prepare the Charter School's federal Form 990 and related state returns for the fiscal year ending June 30, 2025. The fee for tax return preparation will not exceed \$1,800 for each fiscal year, which may be adjusted for inflation based on the U.S. Bureau of Labor Statistics 12-month reading noted above.

In accordance with the provisions of *California Education Code*, Section 14505, 10% of the audit fee will be withheld until the State Controller certified that the audit report conforms to the reporting provisions of subdivision (a) of Section 14503. In addition, 50% of the audit fee for any subsequent year of a multiyear contract will be withheld if the prior year's audit report was not certified as conforming to the provisions of subdivision (a) of Section 14503. Any multi-year contract will become null and void if the firm is deemed ineligible pursuant to subdivision (c) of Section 41020.5.

All audit requirements included in the July 1, 2024, audit guide published by the Education Audit Appeals Panel, *Guide for Annual Audits of K-12 Local Educational Agencies and State Compliance Reporting*, have been incorporated in the above fees. In the event that any additional services may be requested by the Charter School or required by *Guide for Annual Audits of K-12 Local Educational Agencies and State Compliance Reporting*, published by the Education Audit Appeals Panel subsequent to July 1, 2024, those services will be billed to the Charter School at \$235 per hour for 2024-25.

The above fees do not include the presentation of the audit report at the Charter School's board meeting. Should you desire a presentation, you will be obligated to compensate us at the above rate for the time to prepare for and attend the board meeting. Travel time will be charged at \$130 per hour. You will also be obligated to reimburse us for any travel expenses.

Comprehensive reporting requires adequate planning and preparation by Charter School personnel to ensure that all necessary information is accurately and thoroughly compiled prior to the beginning of audit fieldwork. We recommend that Charter School personnel responsible for preparing for the audit develop a comprehensive list of all tasks required to be completed prior to and following the fiscal year-end and that Charter School management monitor a timeline of deadlines to verify that the Charter School is prepared for the arrival of the auditors. If scheduled timelines are not adhered to and/or inaccurate or incomplete records are provided, we reserve the option to bill for the additional time involved in completing your audit. Should this become necessary, additional fees will be discussed with you in advance.

Further, we will be available during the year to consult with you on financial management and accounting matters of a routine nature.

During the course of the audit we may observe opportunities for economy in, or improved controls over, your operations. We will bring such matters to the attention of the appropriate level of management, either orally or in writing.

You agree to inform us of facts that may affect the financial statements of which you may become aware during the period from the date of the auditors' report to the date the financial statements are issued.

The audit documentation for this engagement is the property of Horton McNulty & Saeteurn, LLP and constitutes confidential information. However, we may be requested to make certain audit documentation available to the California State Controller's Office or the U.S. Government Accountability Office pursuant to authority given to it by law or regulation, or to peer reviewers. If requested, access to such audit documentation will be provided under the supervision of Horton McNulty & Saeteurn, LLP, LLP's personnel. Furthermore, upon request, we may provide copies of selected audit documentation to the aforementioned parties. These parties may intend, or decide, to distribute the copies of information contained therein to others, including other governmental agencies.

In accordance with the requirements of *Government Auditing Standards*, we have attached a copy of our latest external peer review report of our firm for your consideration and files.

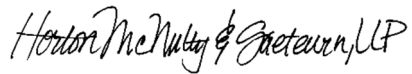
You agree to release, indemnify, defend, and hold us harmless from any liability or costs, including attorney's fees, resulting from management's knowing misrepresentations to us. This agreement is binding upon, and inures to the benefit of, the parties and their respective permitted successors and assigns.

Ms. Michelle Yezbick  
Sherwood Montessori  
April 4, 2025  
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Please sign and return this engagement letter to indicate your acknowledgement of, and agreement with, the arrangements for our audit of the financial statements including our respective responsibilities.

We appreciate the opportunity to be your financial statement auditors and look forward to working with you and your staff.

Very truly yours,

A handwritten signature in black ink, appearing to read "Horton McNulty & Saeteurn, LLP".

Horton McNulty & Saeteurn, LLP

**Acknowledged:**

This letter correctly sets forth the understanding of Sherwood Montessori.

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Signature

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Title

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Date



THE RBH GROUP LLC  
CERTIFIED PUBLIC ACCOUNTANTS

### Report on the Firm's System of Quality Control

To the Partners of  
Horton McNulty & Saeteurn, LLP  
and the Peer Review Committee of the California Society of CPAs

We have reviewed the system of quality control for the accounting and auditing practice of Horton McNulty & Saeteurn, LLP (the firm) in effect for the year ended March 31, 2023. Our peer review was conducted in accordance with the Standards for Performing and Reporting on Peer Reviews established by the Peer Review Board of the American Institute of Certified Public Accountants (Standards).

A summary of the nature, objectives, scope, limitations of, and the procedures performed in a System Review as described in the Standards may be found at [www.aicpa.org/prsummary](http://www.aicpa.org/prsummary). The summary also includes an explanation of how engagements identified as not performed or reported in conformity with applicable professional standards, if any, are evaluated by a peer reviewer to determine a peer review rating.

#### Firm's Responsibility

The firm is responsible for designing and complying with a system of quality control to provide the firm with reasonable assurance of performing and reporting in conformity with the requirements of applicable professional standards in all material respects. The firm is also responsible for evaluating actions to promptly remediate engagements deemed as not performed or reported in conformity with the requirements of applicable professional standards, when appropriate, and for remediating weaknesses in its system of quality control, if any.

#### Peer Reviewer's Responsibility

Our responsibility is to express an opinion on the design of and compliance with the firm's system of quality control based on our review.

#### Required Selections and Considerations

Engagements selected for review included engagements performed under *Government Auditing Standards*, and compliance audits under the Single Audit Act.

As a part of our peer review, we considered reviews by regulatory entities as communicated by the firm, if applicable, in determining the nature and extent of our procedures.

#### Opinion

In our opinion, the system of quality control for the accounting and auditing practice of Horton McNulty & Saeteurn, LLP in effect for the year ended March 31, 2023, has been suitably designed and complied with to provide the firm with reasonable assurance of performing and reporting in conformity with applicable professional standards in all material respects. Firms can receive a rating of *pass*, *pass with deficiency(ies)* or *fail*. Horton McNulty & Saeteurn, LLP has received a peer review rating of *pass*.

*The RBH Group, LLC*

June 19, 2023



## MEMORANDUM

**To:** Board of Directors

**From:** Michelle Yezbick, School Director

**Subject:** School Director Report

**Date:** April 17, 2025

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### Administrative

- Updated enrollment will be reported at the meeting.
- Ten of our middle school students attended camp in Cazadero, California with their teacher, Stacy, and two parent chaperons. Five chose not to attend this year.
- We have hired a new teacher's aide and are now fully staffed.

### Legislative

- CUSD Staff has recommended approval of Sherwood's charter, we will know on April 16 if the CUSD Board will vote in accordance with the recommendation.

### Community

- Our Community Survey for the LCAP input has been published in the School Announcements and we are now receiving input.
- Our TK/K Open House had a very small turnout, which was disappointing.
- Parent Teacher Conferences were conducted the week of April 7<sup>th</sup>.
- Our annual Variety Show will be at the end of the month on April 25<sup>th</sup>.
- Kids have been building puppets for the Endangered Species Faire which will be at the Downtown City Plaza on Saturday, April 26<sup>th</sup>.

### Student Achievement Data

The following slides present student achievement data that is publicly available from the California Department of Education, although tricky to find! [Link here to the public data](#)

The state uses a student's score from 2023 CAASPP test to empirically establish an expected growth target for that student in 2024. Based on the student's observed growth relative to that expectation, they are given a growth score. A score of 0 indicates the student has met their expected growth target. Positive scores indicate a student exceeded their growth target, while negative scores indicate a student failed to meet expected growth.

These scores are then averaged up to the school and district levels for all applicable student groups to provide an aggregate growth score.

I have previously presented growth data from Star Renaissance ELA and math, these data are from the summative standardized assessment data, the CAASPP (California Assessment of Student Performance and Progress).

Sherwood's average growth score for ELA is 11 and for math is 8. Our equity reports show that white students are making typical rates of growth, while students who are socioeconomically disadvantaged and students with disabilities are exceeding expected rates of growth.

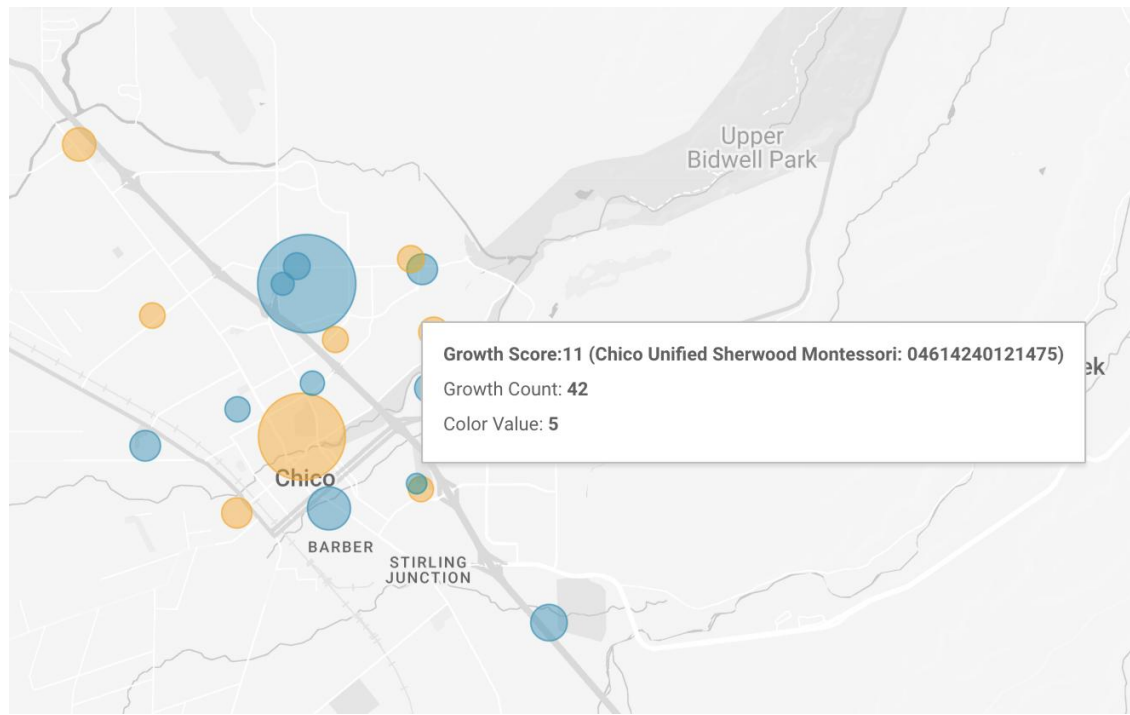
The maps attached here were created by our partners at Parsec Education. Schools shown in blue are meeting or exceeding expected growth, and schools shown in orange are not meeting expected growth targets on average. The size of the circle indicates enrollment size.

The next two slides show how Sherwood compares to CUSD, Butte County, and the State of California on Distance from Standard for ELA and math for all students, socioeconomically disadvantaged students, students with disabilities, white students, and students from two or more races.

The final two slides show how Sherwood compares to CUSD, Butte County, and the State of California with chronic absenteeism and suspension rates for all students, socioeconomically disadvantaged students, students with disabilities, white students, and students from two or more races.

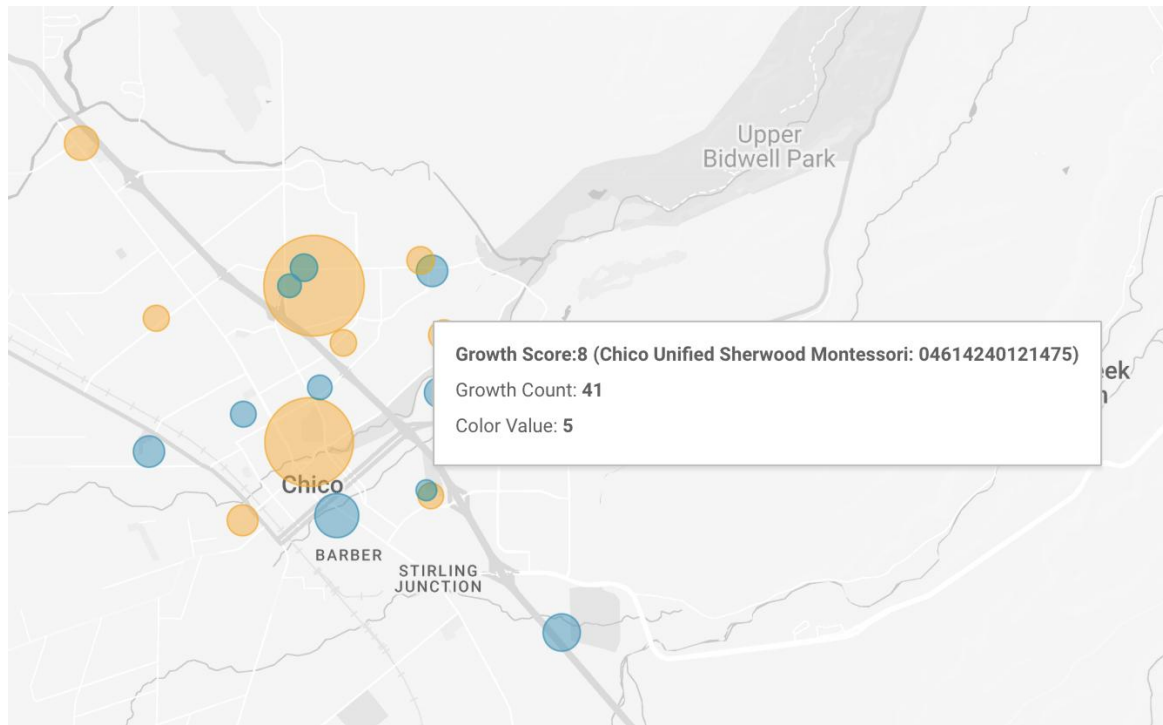


# CA Growth – Sherwood Montessori ELA



On average, students at Sherwood Montessori students exceeded their expected growth target for ELA by 11 points.

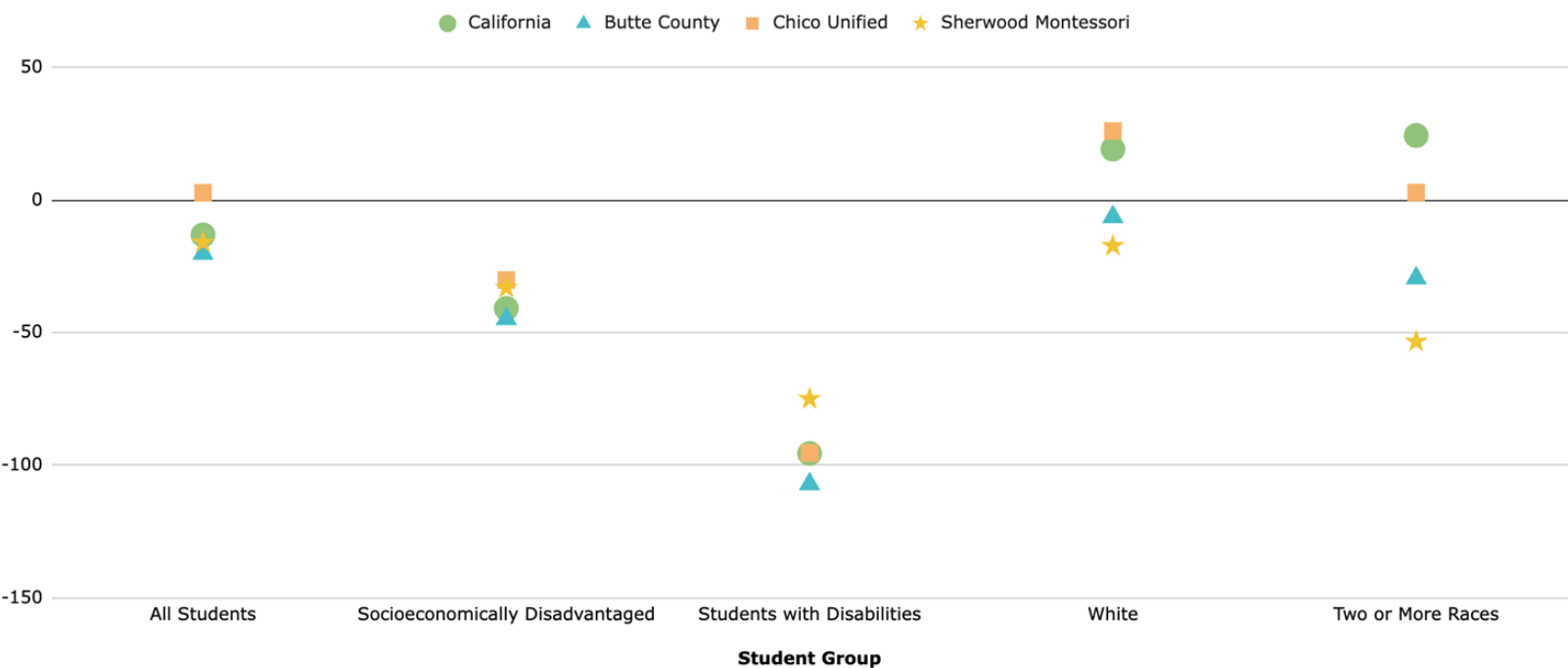
# CA Growth – Sherwood Montessori Math



On average, students at Sherwood Montessori students exceeded their expected growth target in Math by 8 points.

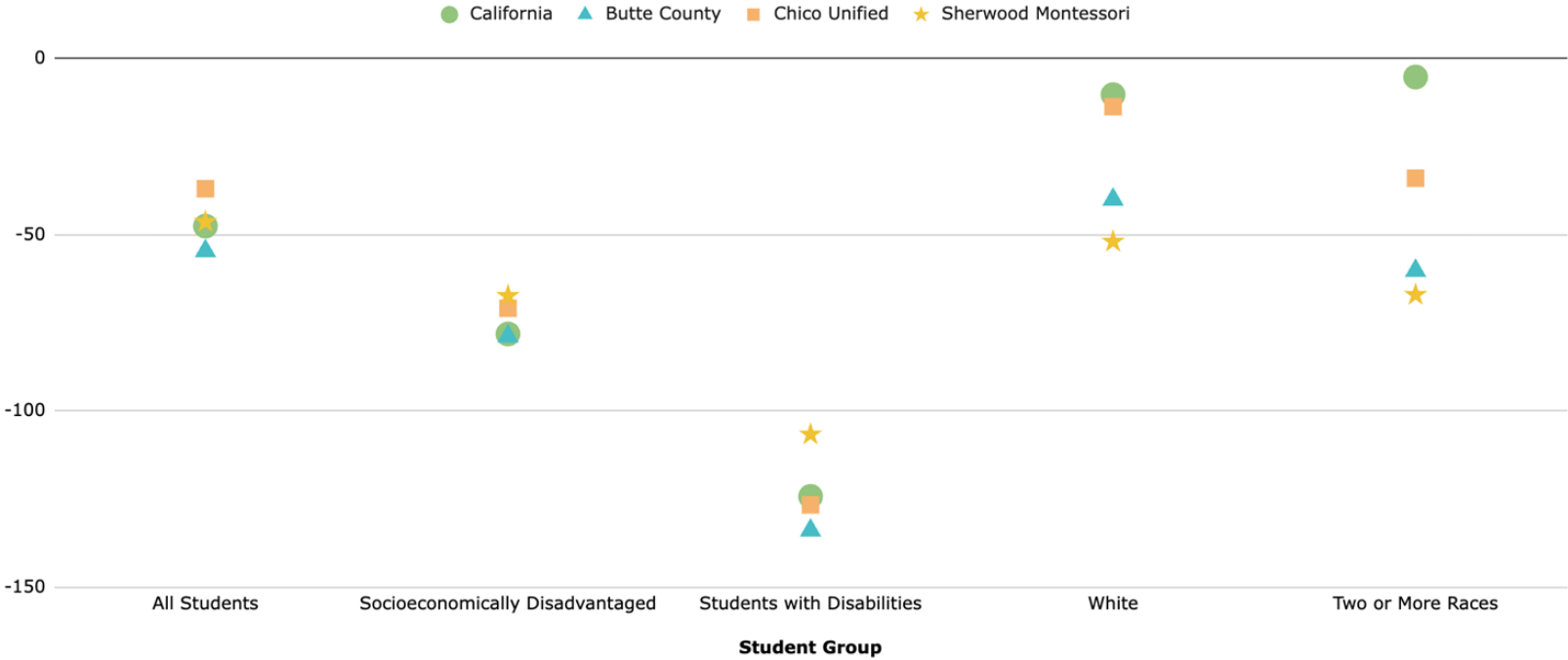
# ELA

Sherwood Montessori comparison to Authorizer, County, and State Averages



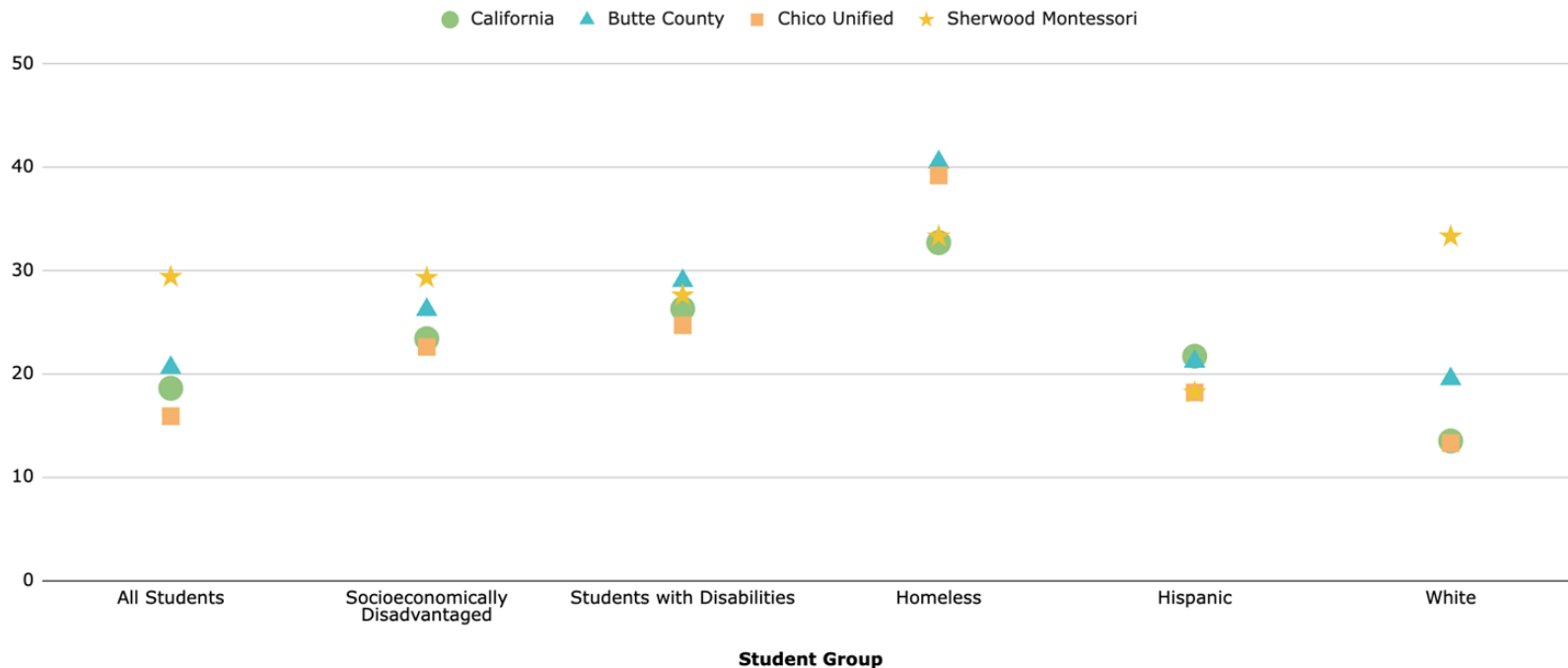
# Math

Sherwood Montessori comparison to Authorizer, County, and State Averages



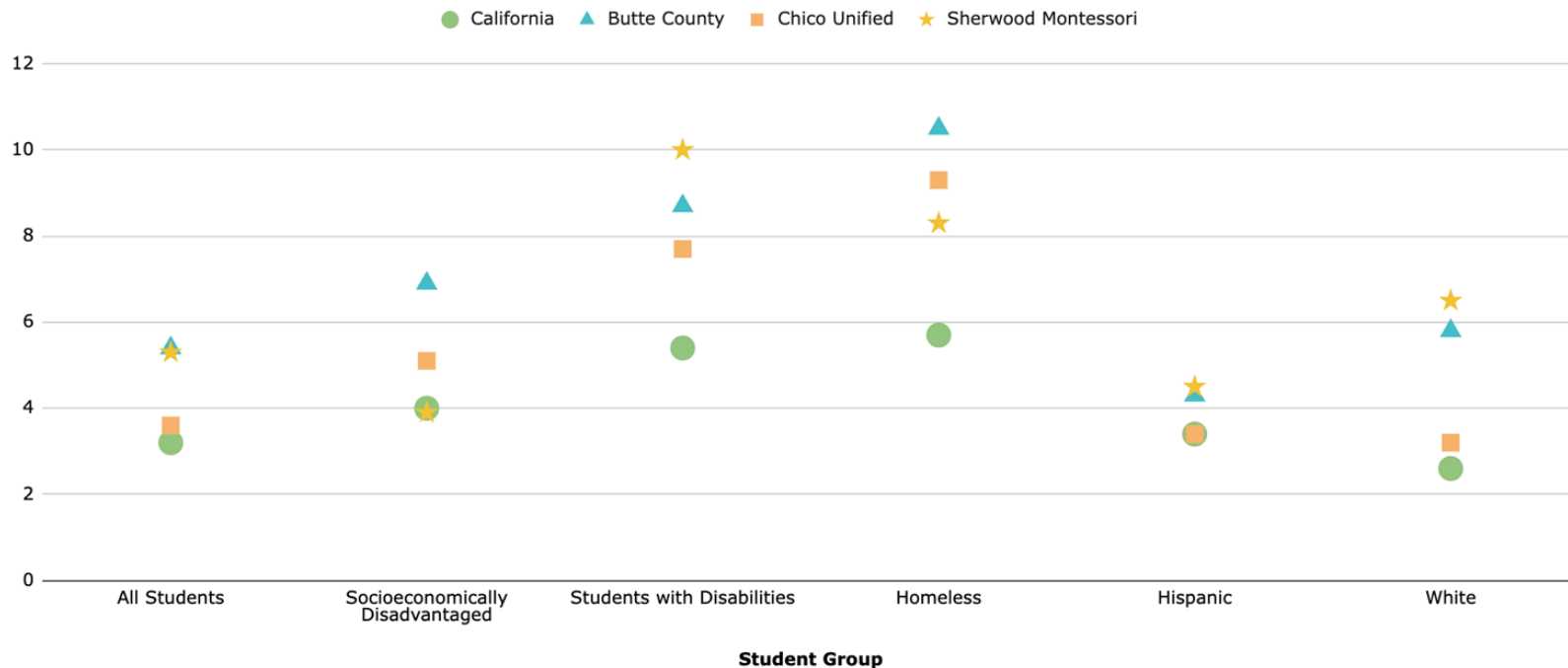
# Chronic Absenteeism

## Sherwood Montessori comparison to Authorizer, County, and State Averages



# Suspension Rate

Sherwood Montessori comparison to Authorizer, County, and State Averages





**To:** Board of Directors  
**From:** Pat Casey, Business Manager  
**Subject:** **Treasurer's Report**  
**Date:** April 17, 2025 Board Meeting

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#### Bank statement reconciliation

- The Business Manager has verified that the beginning and ending cash balances on Sherwood's bank statement for the month of March 2025 reconciled with and matched those of the school's internal reports. The bank Ending Balance (cash) totaled \$ 498,582.66 as of March 31, 2025 for the checking account.
- The expenses in March were for the normal operating cost for the school.

#### Profit & Loss

The March 2025 Profit & Loss report shows a Net Income of \$ -405,945, with added amounts of \$ 61,982 for March LCF and \$ 60,405 EPA funds deposited in April 2025 along with \$ 7,487 for ELOP, \$ 1,538. The actual Net Income through March 2025 is \$ -274,623, which means that the school is deficit spending (expense is greater than income).

#### Cash Flow

The school will end the year with a positive cash balance based on P2 ADA of 108. A deferral of the June apportionment check would mean the check arrives in August 2025.

Sherwood Montessori  
Profit & Loss YTD Comparison  
July 2024 through March 2025

|                              | Jul '24 - Mar 25 |
|------------------------------|------------------|
| Ordinary Income/Expense      |                  |
| Income                       |                  |
| 8000-Revenues                | 1,023,518        |
| Total Income                 | 1,023,518        |
| Gross Profit                 | 1,023,518        |
| Expense                      |                  |
| 1000 Certificated Salaries   | 493,286          |
| 2000 Classified Salaries     | 351,445          |
| 3000-Employee Benefits       | 256,600          |
| 4000-Books and Supplies      | 32,400           |
| 5000 Services/Other Op. Exp. | 295,732          |
| Total Expense                | 1,429,463        |
| Net Ordinary Income          | -405,945         |
| Net Income                   | -405,945         |



**04/15/25**

**Sherwood Montessori**  
**Board of Directors - Vendor Payments Report**

## Accrual Basis

**March 2025**

| Type  | Date       | Num       | Name                             | Memo                               | Account                       | Amount    |
|-------|------------|-----------|----------------------------------|------------------------------------|-------------------------------|-----------|
| Check | 03/03/2025 | ACH       | Macquarie Equipment Capital...   | Kyocera Copier Lease 2025 M...     | Copier Lease                  | 223.00    |
| Check | 03/03/2025 | DBT       | Amazon.com                       | BATTERY FOR WALKIE TAL...          | Office Supplies               | 16.23     |
| Check | 03/03/2025 | DBT       | Amazon.com                       | CHEERLEADING POM POMS              | Extended Day                  | 36.78     |
| Check | 03/04/2025 | 9974      | Hernandez Cleaning Service       | SERVICE 2025 FEBRUARY              | Housekeeping Services         | 4,140.00  |
| Check | 03/04/2025 | 9975      | City of Chico - sewer            | SERVICE 2025 FEBRUARY              | Sewer                         | 32.31     |
| Check | 03/04/2025 | 9976      | Advanced Document                | 3456600                            | Copier Lease                  | 497.91    |
| Check | 03/04/2025 | 9977      | PARK AVE PEST CONTROL            | SERVICE 2025 FEBRUARY              | Pest Control                  | 110.00    |
| Check | 03/04/2025 | EFT       | Comcast 4454                     | SERVICE - 2025 FEB-MAR             | Internet Service Provider     | 490.52    |
| Check | 03/04/2025 | EFT       | California Water Service Com...  | SERVICE JAN-FRB                    | Water                         | 33.29     |
| Check | 03/04/2025 | EFT       | Teresa Shippen                   | SUPPLIES                           | Instructional Supplies        | 118.71    |
| Check | 03/05/2025 | 7742      | BidWell Behavior                 | FBA Consultation                   | SELPA                         | 2,093.00  |
| Check | 03/05/2025 | DBT       | Amazon.com                       | BUTTON MAKER SUPPLIES              | Instructional Supplies        | 32.46     |
| Check | 03/05/2025 | ACH       | Cypress Dental                   | MARCH 2025 BILLING                 | 3401-Health Benefits          | 367.27    |
| Check | 03/06/2025 | 7741      | Kimberly Fellner                 | GARDEN SUPPLIES                    | Food (Instructional)          | 36.44     |
| Check | 03/06/2025 | 7743      | Zebra Businesss Solutions        | chromebooks repair 2.5 hrs x \$... | Contracted Service            | 237.50    |
| Check | 03/06/2025 | 9978      | Laura Swanson                    | INTERN SUPERVISION                 | Contracted Service            | 720.00    |
| Check | 03/07/2025 | DBT       | Amazon.com                       | PENCILS-PENS-FLASHCARDS            | Office Supplies               | 46.86     |
| Check | 03/10/2025 | DBT       | Chico U Lock It Self Storage     | LOCKER RENTAL                      | 5600-Rental/Leases/Repairs    | 130.00    |
| Check | 03/10/2025 | DBT       | ARCO PUMPPASS                    | Gas cards                          | 5200-Travel and Conferences   | 100.00    |
| Check | 03/10/2025 | DBT       | ARCO PUMPPASS                    | Gas cards                          | 5200-Travel and Conferences   | 100.00    |
| Check | 03/10/2025 | DBT       | ARCO PUMPPASS                    | Gas cards                          | 5200-Travel and Conferences   | 50.00     |
| Check | 03/11/2025 | 7744      | Anne Adams                       | AFRO-CARIBBEAN DRUM LE...          | Food (Instructional)          | 200.00    |
| Check | 03/11/2025 | 7745      | Lillian Foltrath                 | DRUM LESSON SERIES                 | Instructional Supplies        | 200.00    |
| Check | 03/11/2025 | 7746      | Corey Collier                    | LIVESCAN                           | LiveScan and TB Test Services | 70.00     |
| Check | 03/11/2025 | 9981      | Law Office of Gregory P. Einh... | INV 25309 LEGAL REVIEW S...        | Attorney                      | 1,844.50  |
| Check | 03/11/2025 | EFT       | Waste Management                 | SERVICE - 2025 FEBRUARY            | Trash/Recycling               | 147.09    |
| Check | 03/11/2025 | DBT       | USPS                             | MAILINGS                           | Postage                       | 105.45    |
| Check | 03/11/2025 | DBT       | Amazon.com                       | STOPWATCHES                        | Extended Day                  | 16.23     |
| Check | 03/11/2025 | DBT       | Amazon.com                       | DRY ERASER- MAGNETIC P...          | Instructional Supplies        | 34.16     |
| Check | 03/13/2025 | 7747      | Chris Wenger                     | CARIBBEAN DRUM SERIES              | ART-MUSIC                     | 200.00    |
| Check | 03/13/2025 | ACH       | COSTCO VISA CARD                 | THRU 15TH PURCHASES 20...          | SHERWOOD COSTCO VISA          | 4,048.21  |
| Check | 03/14/2025 | ACH       | CharterSAFE                      | BILLED PREMIUM - LIABILIT...       | 5400-Liability Insurance      | 2,653.00  |
| Check | 03/14/2025 | ACH       | CharterSAFE                      | BILLED PREMIUM - LIABILIT...       | 3601-Workers Comp             | 1,352.00  |
| Check | 03/14/2025 | DBT       | READING FOR LIFE                 | HOW TO TEACH BEGINNING...          | Extracurricular Services      | 150.00    |
| Check | 03/14/2025 | DBT       | USPS                             | MAILING                            | Postage                       | 5.00      |
| Check | 03/14/2025 | DBT       | Costco                           | SNACKS                             | Food (Instructional)          | 64.63     |
| Check | 03/17/2025 | DBT       | RED ROOM ADORNED                 |                                    | Instructional Supplies        | 43.30     |
| Check | 03/17/2025 | DBT       | ORANGE STREET CONSIG...          |                                    | Instructional Supplies        | 16.69     |
| Check | 03/19/2025 | 9983      | Chico Country Day                | NURSE CONTRACT 24-25 IN...         | Contracted Service            | 1,647.77  |
| Check | 03/19/2025 | 9982      | Comcast Ethernet                 | SERVICE - 2025 FEBRUARY            | Ethernet - Fiberoptic         | 1,239.51  |
| Check | 03/19/2025 | EFT       | PG & E                           | SERVICE FEB-MAR                    | Electricity                   | 1,268.66  |
| Check | 03/19/2025 | EFT       | Comcast Business 9110            | SERVICE - 2025 MARCH               | Telephone, Landline           | 200.24    |
| Check | 03/19/2025 | 9980      | THE HARTFORD GROUP B...          | INV 373191756849 - 2025 PR...      | 3401-Health Benefits          | 58.50     |
| Check | 03/21/2025 | 9984      | Marlo . Knox                     | ART SUPPLIES                       | Instructional Supplies        | 45.97     |
| Check | 03/24/2025 | DBT       | Amazon.com                       | NR                                 | Instructional Supplies        | 6.48      |
| Check | 03/26/2025 | DBT       | Costco                           | SNACKS                             | Food (Instructional)          | 365.34    |
| Check | 03/27/2025 | DBT       | Amazon.com                       | NR                                 | Instructional Supplies        | 18.39     |
| Check | 03/28/2025 | 9986      | Hanna Kerr                       | FOOD                               | Extended Day                  | 20.77     |
| Check | 03/28/2025 | 9987      | PARK AVE PEST CONTROL            | SERVICE 2025 MARCH                 | Pest Control                  | 110.00    |
| Check | 03/28/2025 | 9988      | CUSD                             | FUA INV25-00088 2025               | CUSD FUA Charges              | 2,008.20  |
| Check | 03/28/2025 | EFT       | Heather Fisher                   | T BAR - LUNCH - POS DISC ...       | LCAP                          | 79.42     |
| Check | 03/28/2025 | 9989      | CHICO MONTESSORI CHIL...         | FUNDRAISER AD ON T SHIRT           | Advertising                   | 75.00     |
| Check | 03/31/2025 | DBT       | Amazon.com                       | NR                                 | Instructional Supplies        | 96.52     |
| Check | 03/31/2025 | DBT       | Amazon.com                       | NR                                 | Instructional Supplies        | 32.45     |
| Check | 03/31/2025 | DBT       | Amazon.com                       | NR                                 | Instructional Supplies        | 32.43     |
| Check | 03/31/2025 | EFT       | Comcast-EPL 9287                 | INV 229270                         | COMCAST EPL                   | 6,605.99  |
| Bill  | 03/31/2025 | INV 20... | Pat Casey                        | CONTRACT SERVICES INV 2...         | Business Manager Services     | 5,000.00  |
| TOTAL |            |           |                                  |                                    |                               | 39,674.18 |



## MEMORANDUM

**To:** Board of Directors

**From:** Michelle Yezbick, School Director

**Subject:** Instructional Staff Report

**Date:** April 21, 2025

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*Instructional Staff Report prompt for this month was:* Is there something you've heard another school does that made you think, 'Wow, it would be great if Sherwood did that too'? It could be a program, event, policy, fundraiser, or anything else designed for students, parents, teachers, staff, or the community.

### **Transitional Kindergarten/Kindergarten -Teresa Shippen**

Teresa is going to pass on writing a board report for this month and appreciates the opportunity to opt out!

### **Transitional Kindergarten/Kindergarten -Adam Mankoski**

Sherwood will only become more visible or well known (for the right reasons) when we start asking how we can be unique, rather than how we can be the same. We will only rise if we have leadership with a vision for a distinctive school community, and a willingness to fight to unbind us from the bureaucratic restrictions that keep us from offering a true alternative Montessori-aligned experience. We will only attract families who are a good fit if we offer an uncommon educational environment, rather than trying to be a public institution carbon copy.

I think that Sherwood could be a place where families come for a true alternative to public education, and that we could attract families who are looking to us as an alternative for the right reasons - namely that we are totally unlike conventional public schools, populated with families who embody Montessori ideals, like equity and collectiveness. One of the ways we will do this is to continue to offer a true Montessori education both philosophically and materially: interesting environments, an emphasis on freedom and choice, and instruction based on each child's developmental plane or stage.

Another way we can do this is to offer community building and events that shift the focus away from offering what the majority of schools offer, and what we think families expect, and ask how we can be distinctly unlike other schools. We should be asking how we can, with our choice of events, programs, policies and fundraisers, continue to impart the important core Montessori messages of local and global community mindedness, stewardship of our environment and communities. and peace through education.

We currently organize three community events that are in that spirit: the Fall Festival, Community Lunch and Talent Show. These events are localized, student-focused, and are held at times of the year when families have fewer social obligations, and require little contribution or commitment from families, except coming to enjoy the event.

In general, I'd like to see us veer from organizing events during busy winter and spring holiday times and retire events that have inherent pressures to buy tickets and buy or consume before or during the event, in order to feel like one is participating. The best example of this is our winter performance. This event requires us to rent a facility, resources that could be directed to so many things, and requires what I think is undo stress on families and staff at an already busy and fiscally tight time of year. The shift to a January date was a step in the right direction, but I think we can get more creative than this, raise funds in other ways, and still offer students an opportunity to experience performing for an audience.

I'd also like us to add a few events and fundraisers that turn the focus around to how Sherwood can be a better contributor to the surrounding community and be an example to our students for service to others, in a culture increasingly individually focused and competitive. Perhaps a weekly all-student campus cleanup, neighborhood cleanup, care of yards for neighborhood seniors, a neighborhood concert at 1010, community drive through dinners, a community garden ... just a few ideas.

We are a school of small size and scope. Rather than conform and limp along, I think we need to create a more expansive vision and become visible because we're a unicorn in a sea of sameness.

### **1<sup>st</sup>/2<sup>nd</sup>/3<sup>rd</sup> -Marlo Knox**

I am sorry I can not recommend an activity, program, or event that other schools are doing that might work well for our community. My child has long been out of a K-8th grade program. The same is true for my friends and family members.

I was recently inspired into deep thought and I'd like to share that source of inspiration with the board. It came in the form of a YouTube video shared on a social media platform by Christine MacShane, local artist, teacher, and grandmother of a child I served in my classroom for two years.

The video is titled, "The Most Compelling Argument Against Tech in Schools". The presentation was delivered, perhaps even sponsored by, the Alliance for Responsible Citizenship. I know nothing about this group, but a closer look revealed it is considered a conservative organization. This is what Alliance for Responsible Citizenship says about itself.

"The Alliance for Responsible Citizenship is an international movement with a vision for a better world where empowered citizens take responsibility and work together to bring flourishing and

prosperity to their families, communities, and nations.

We are inviting you to join us in developing a better narrative in response to life's most fundamental social, economic, philosophical and cultural questions. We reject the inevitability of decline and instead are seeking solutions which draw on humanity's highest virtues and extraordinary capacity for innovation and ingenuity."

The woman speaking in this video is Sophie Winkleman, royalty in her country, actress, and mother. I did not do a deep dive into her either.

We might agree there could be "red flags" to investigate before deciding if the YouTube video is worth our time and attention. To truly be certain this video is valid in any way we would need more time and further research. But if you are willing to watch and listen, being fully aware that there is more to understand and learn before adopting its opinions as the truth, I wonder if it will inspire you in any way.

Here's the link:

<https://youtu.be/7V6nuckFK88?si=4WlkN36D8ZPkwDxE>

**1<sup>st</sup>/2<sup>nd</sup>/3<sup>rd</sup> Lily Follrath**

**4<sup>th</sup>/5<sup>th</sup>/6<sup>th</sup>-Anne Adams**

**4<sup>th</sup> /5<sup>th</sup>/6<sup>th</sup> -Chris Wenger**

**7<sup>th</sup>/8<sup>th</sup>-Stacy Gertz**

After reading the article: "How to Build a Community" by [Tim Seldin](#) | MFA, [TC May 2024](#)

(Tim Seldin is President of the Montessori Foundation and Chair of the International Montessori Council. His more than 40 years of experience in Montessori education includes 22 years as Headmaster of the Barrie School in Silver Spring, Maryland, his alma mater from toddler through high school graduation.)

I was pleased to see that we were dialed in to most of the listed suggestions on building community. Here are a few that we can implement or improve on from the article:

- Many schools have student-led conferences during which students guide their parents through their learning journey. This can be especially empowering for older students, giving them a chance to showcase their progress and achievements. They gather the children's work, stories, and art into portfolios to give to their families.
- To add a fun twist to community engagements, some Montessori schools have

introduced innovative events such as the “Are-You-Smarter-Than-a-Montessori-Kid?” contest. This light-hearted game challenges parents to answer questions that children learn in their Montessori classes, such as recognizing European flags or solving complex puzzles. These events not only provide entertainment but also offer parents a glimpse into the depth and breadth of their children’s knowledge.

- Teachers call parents regularly just to share good news or to touch base.
- They send out press releases of any and all newsworthy information to the media.
- They create a special acknowledgment pin to recognize parents and teachers who have made an extraordinary contribution of service to the school.
- They develop a Montessori Speaker Series, inviting experts in Montessori education, child psychology, and related fields to speak to parents and local families.

In addition to these suggestions from the article, some other situations that created unity in other school communities that I have worked or visited in include:

\* Scholastic Book Sales (parent/teacher/student run). Involves community, enhance literacy; fundraises for supplies, books or revenue.

\*Having the entire school read the same book. For example, “Wonder” by R.J. Palacio. This book can be modified to all grade levels. This created a topic of conversation and unity throughout the entire school. Parents could be invited to join in the fun. Reflections adorned the hallways of the school with both written responses and artwork.

\*Publishing our work in the local library-they will be attending our career day again this year.

\*Hosting a science fair to increase critical thinking, team building and community engagement.

\*Utilizing our library as more of a media center-We can fundraise to pull it off, attain publicity for the improvement; have the entire community work together (maybe even during the summer) and be more attuned with technology and current trends in education: AI, Canva and other monitored creative outlets. It would aid in increasing enrollment.

It takes a village! I would be willing to spearhead some of these ideas.

**P.E.-Kevin**

**Learning Center-Leslie**

Other schools I’ve subbed for or worked for usually have a “library schedule” weekly where

students can check out books. I know some classrooms utilize the library and others not as often. I think creating a weekly schedule would help teachers to remember each week to take their class to check out library books.

Another idea I have that comes from another school, is to have weekly videos from the middle school or upper elementary students, reminding everyone of upcoming events or school rules. It can also be to showcase student work.

Some schools also have a student leadership/ student government group. This could be a good opportunity for the middle school students to show their leadership skills and feel like they're a part of something important. Another group could be a peer mentoring group. We have a lot of behaviors happening at recess and lunch and perhaps we could have some peer mentors, help mentor students who might need more behavioral support.

In addition, we should also restart the monthly spirit days. We've done this last year and I think it will be great to start it back up again. The students get creative control and it makes coming to school more fun.

My last idea is to have a jog-a-thon fundraiser for the school. My old elementary school had jog-a-thons and the students would always get so excited about it. The parents usually get pretty into it too with helping to volunteer and fundraise. Thank you for the opportunity to share my ideas with the board.



## **MEMORANDUM**

**To:** Board of Directors

**From:** Michelle Yezbick, School Director

**Subject:** **Measure K Project Proposal: Air Conditioning Overages**

**Date:** April 17, 2025

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### **SUMMARY**

This proposal is to use Measure K funds to pay for the overage costs for the air conditioning unit at 1010 Cleveland Ave.

### **DISCUSSION**

We got a quote from Royal Aire for \$16,000 to replace a broken a/c unit at 1010 Cleveland Ave. in December, 2024. By the time the project was approved, the costs had increased. We negotiated to bring the cost to \$18,000. This proposal is to pay for the overages with Measure K funds instead of the school's general fund.

### **ACTION REQUESTED:**

Approve proposal and contract.

Attachments: Measure K Project Proposal: Air conditioning overages, Invoice from Royal Aire

**Measure K Charter School Facilities Committee**  
**Project Recommendation Form for Consideration by CUSD Board of Trustees**

**GENERAL INFORMATION:**

|                         |   |
|-------------------------|---|
| Submission Meeting Date | 05.14.2025  |
| Name of School          | Sherwood Montessori   |
| Address of School       | 1010 Cleveland Ave., Chico, CA 95928  |
| Contact Name            | Michelle Yezbick  |
| Contact Phone/Email     | (530) 345-6600 / <a href="mailto:michelle@sherwoodmontessori.org">michelle@sherwoodmontessori.org</a> |
| Year Established        | 2010  |
| Next Renewal Date       | 2025  |
| CDS Code                | 04-61424-010  |
| Charter Number          | 1166  |
| Website                 | <a href="http://www.sherwoodmontessori.org">www.sherwoodmontessori.org</a>                            |

**1. Type of Project:**

- ☐ Planning
- ☐ Construction
- ☐ Health Safety (Including ADA)
- ☒ Modernization/Repair/Renovation/Improve
- ☐ Purchase or Lease Project
- ☐ Other (including FF&E)

**2. Project Narrative:**

This proposal is to pay for overages for the air conditioning project approved on December 18, 2024. The approved amount was \$16,000, but the quote expired and costs rose before the project was approved and completed. This proposal is to cover the remaining \$2,000.

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**3. Charter School Property Project Location:** *(If project location is different from address above.)*

- 
- a. Does your school currently operate on a CUSD School Site: ☒ yes ☐ no
  - b. Does your school lease property/buildings from a private owner: ☐ yes ☒ no

**4. Current enrollment and ADA:** 129/107.98

**5. Financial Questions**

- a. Was your prior annual audit report free of any negative findings? ☐ yes ☒ no  
*If no, please explain* We had two findings: 1. Our Extended Learning Plan needed more detail and 2. Material adjustments related to transactions were not accurately captured within the proper accounting period.
- b. What were your cash reserves as a percent of expenditures at the end of the prior fiscal year? 39.91%

**6. Project Schedule** *Please briefly describe the timeline for the project planning and completion.*

The project is completed.



---

**7. Preliminary Estimate (Cost)**

|                                      | Round 1   | Round 2 | Round 3 |
|--------------------------------------|-----------|---------|---------|
| Allocation Per Round                 | 400,174   | 509,695 | 481,893 |
| Less Previously Allocated Funds      | 400,174   | 509,695 | 82,453  |
| Less Current Project Funds Requested | ---       | ---     | 2,000   |
| Remaining Measure K Allocation       | 1,001,832 | 492,137 | 397,440 |

**School Facilities Projects to be Funded with Proceeds of Bonds**

“Bond proceeds will be expended to repair, modernize, replace, renovate, expand, construct, acquire, equip, furnish and otherwise improve the classrooms and school facilities the [charter’s] existing schools, new school sites, and other [charter] owned properties to provide equity among campuses, improved facilities, and student access to instructional technology.”—Measure K

**Documentation *(please indicate those completed)*****All Projects**

Project Narrative: general scope of work ☒ *Included*  
Enrollment Capacity: Current Facility and/or Proposed ☒ *Included*  
Preliminary Estimate (Cost) ☒ *Included*  
Project Schedule ☒ *Included*

**Building/Modernization/Renovation Projects**

Feasibility Study and Site Review ☐ *Included* ☒ *Not Applicable*  
Enrollment Capacity: Current Facility and/or Proposed ☐ *Included* ☒ *Not Applicable*  
Pre-Schematics *(to be completed by a District approved architect and/or engineering team)* ☐ *Included* ☒ *Not Applicable*  
Facility Assessment ☐ *Included* ☒ *Not Applicable*  
Schematic Drawing(s) *(areas of work)* ☐ *Included* ☒ *Not Applicable*  
CEQA Process Determination *(pre-CEQA-form)* ☐ *Included* ☒ *Not Applicable*  
Design Development Drawings ☐ *Included* ☒ *Not Applicable*  
Design or Bid Estimate ☐ *Included* ☒ *Not Applicable*  
Construction Documents ☐ *Included* ☒ *Not Applicable*

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**For Committee Use:**

**All necessary documents were included:**  
*(if no: request for additional documentation)*

☒ **yes** ☐ **no**

**CORE QUESTIONS:**

1. Does the project fall under the bond language? yes
2. Given the life span of a bond, is the project an appropriate use of funds? yes
3. Has the school demonstrated the feasibility of project completion? yes
4. Has the local school board approved the project?

**MEASURE K—CHARTER FACILITIES COMMITTEE APPROVAL**

Date of Committee Approval: \_\_\_\_\_

Attestation of Committee Secretary: \_\_\_\_\_

*For questions or clarifications relative to the completion of this application, please contact:  
Julie Kistle at [jkistle@chicousd.org](mailto:jkistle@chicousd.org) or (530) 891-3000 x. 20602*

# Invoice

Royal Aire Inc  
2530 Zanella Way  
Ste A  
Chico CA 95928  
530-899-9999 FAX: 866-899-1605  
Lic # 510286

Invoice # 793657  
Date: 3/19/2025  
Page # 1 of 1

Account # 142972

SHERWOOD MONTESSORI  
1010 CLEVELAND AVE  
CHICO CA 95928

Service At:  
**SHERWOOD MONTESSORI**  
**1010 CLEVELAND AVE**  
**CHICO CA 95928**

Service Date 3/19/2025 PO # Job # 458235 Contract # Claim #

INSTALLED 3 TON BARD UNIT. ALL LABOR AND MATERIALS INCLUDED.

| Description Of Service    | Quantity | Unit Price  | Extended Price | Tax |
|---------------------------|----------|-------------|----------------|-----|
| INSTALLED 3 TON BARD UNIT | 1        | \$18,000.00 | \$18,000.00    |     |
| Total                     |          |             | \$18,000.00    |     |

Quotes are valid for 30 days

Payment is due upon receipt. All sums owing and unpaid beyond 30 days shall accrue interest fees of 1%

**Terms: Due Upon Receipt**

Thank you for choosing Royal Aire

**Please pay from this Invoice**

Please Detach and Return with Remittance

|   |                          |
|---|--------------------------|
| Check Enclosed [ ]                              | Method of Payment        |
| Master Card [ ] Visa [ ] AmExp [ ] Discover [ ] |                          |
| Acct # _____                                    | CVV _____ Exp Date _____ |
| Name on Card _____                              |                          |
| Signature _____                                 |                          |

Invoice # 793657

Date : 3/19/2025

Account # 142972

**SHERWOOD MONTESSORI**

**Remit To:**

**Royal Aire Inc**  
**2530 Zanella Way**  
**Ste A**  
**Chico CA 95928**

Amount Due **\$18,000.00**

Amount Paid



## **MEMORANDUM**

**To:** Board of Directors  
**From:** Michelle Yezbick, School Director  
**Subject:** Measure K Project Proposal: Security Cameras  
**Date:** April 17, 2025

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### **SUMMARY**

This proposal is to use Measure K funds to have security cameras installed on our campuses.

### **DISCUSSION**

There have been a number of times when having security cameras footage would have been helpful in investigating alleged incidents on Sherwood campuses. Some of the cameras at Chapman have been useful, and administration there has been supportive in giving access for me to conduct investigations.

The installation of these cameras would cover areas that are not currently covered, and reduce the amount of times we need to approach Chapman leadership to request to review footage.

### **ACTION REQUESTED:**

Approve proposal and contract.

Attachments: Measure K Project Proposal: Security cameras, quote from Tec-Com

**Measure K Charter School Facilities Committee**  
**Project Recommendation Form for Consideration by CUSD Board of Trustees**

**GENERAL INFORMATION:**

|                         |   |
|-------------------------|---|
| Submission Meeting Date | 05.14.2025  |
| Name of School          | Sherwood Montessori   |
| Address of School       | 1010 Cleveland Ave., Chico, CA 95928  |
| Contact Name            | Michelle Yezbick  |
| Contact Phone/Email     | (530) 345-6600 / <a href="mailto:michelle@sherwoodmontessori.org">michelle@sherwoodmontessori.org</a> |
| Year Established        | 2010  |
| Next Renewal Date       | 2025  |
| CDS Code                | 04-61424-010  |
| Charter Number          | 1166  |
| Website                 | <a href="http://www.sherwoodmontessori.org">www.sherwoodmontessori.org</a>                            |

**1. Type of Project:**

- ☐ Planning
- ☐ Construction
- ☒ Health Safety (Including ADA)
- ☐ Modernization/Repair/Renovation/Improve
- ☐ Purchase or Lease Project
- ☐ Other (including FF&E)

**2. Project Narrative:**

This proposal is to use Measure K funds to install security cameras on both campuses.

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**3. Charter School Property Project Location:** *(If project location is different from address above.)*

- 
- a. Does your school currently operate on a CUSD School Site: ☒ yes ☐ no
  - b. Does your school lease property/buildings from a private owner: ☐ yes ☒ no

**4. Current enrollment and ADA:** 129/107.98

**5. Financial Questions**

- a. Was your prior annual audit report free of any negative findings? ☐ yes ☒ no  
*If no, please explain* We had two findings: 1. Our Extended Learning Plan needed more detail and  
2. Material adjustments related to transactions were not accurately captured within the proper  
accounting period.
- b. What were your cash reserves as a percentage of expenditures at the end of the prior fiscal year?  
31.76%

**6. Project Schedule** *Please briefly describe the timeline for the project planning and completion.*

Summer installation to be completed before the 2025-2026 school year.

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**7. Preliminary Estimate (Cost)**

|                                      | Round 1   | Round 2 | Round 3 |
|--------------------------------------|-----------|---------|---------|
| Allocation Per Round                 | 400,174   | 509,695 | 481,893 |
| Less Previously Allocated Funds      | 400,174   | 509,695 | 84,453  |
| Less Current Project Funds Requested | ---       | ---     | 55,000  |
| Remaining Measure K Allocation       | 1,001,832 | 492,137 | 342,440 |

**School Facilities Projects to be Funded with Proceeds of Bonds**

"Bond proceeds will be expended to repair, modernize, replace, renovate, expand, construct, acquire, equip, furnish and otherwise improve the classrooms and school facilities the [charter's] existing schools, new school sites, and other [charter] owned properties to provide equity among campuses, improved facilities, and student access to instructional technology."—Measure K

**Documentation *(please indicate those completed)*****All Projects**

Project Narrative: general scope of work ☒ *Included*  
Enrollment Capacity: Current Facility and/or Proposed ☒ *Included*  
Preliminary Estimate (Cost) ☒ *Included*  
Project Schedule ☒ *Included*

**Building/Modernization/Renovation Projects**

Feasibility Study and Site Review ☐ *Included* ☒ *Not Applicable*  
Enrollment Capacity: Current Facility and/or Proposed ☐ *Included* ☒ *Not Applicable*  
Pre-Schematics *(to be completed by a District approved architect and/or engineering team)* ☐ *Included* ☒ *Not Applicable*  
Facility Assessment ☐ *Included* ☒ *Not Applicable*  
Schematic Drawing(s) *(areas of work)* ☐ *Included* ☒ *Not Applicable*  
CEQA Process Determination *(pre-CEQA-form)* ☐ *Included* ☒ *Not Applicable*  
Design Development Drawings ☐ *Included* ☒ *Not Applicable*  
Design or Bid Estimate ☐ *Included* ☒ *Not Applicable*  
Construction Documents ☐ *Included* ☒ *Not Applicable*

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**For Committee Use:**

**All necessary documents were included:**  
*(if no: request for additional documentation)*

☒ **yes** ☐ **no**

**CORE QUESTIONS:**

1. Does the project fall under the bond language? yes
2. Given the life span of a bond, is the project an appropriate use of funds? yes
3. Has the school demonstrated the feasibility of project completion? yes
4. Has the local school board approved the project?

**MEASURE K—CHARTER FACILITIES COMMITTEE APPROVAL**

Date of Committee Approval: \_\_\_\_\_

Attestation of Committee Secretary: \_\_\_\_\_

*For questions or clarifications relative to the completion of this application, please contact:  
Julie Kistle at [jkistle@chicousd.org](mailto:jkistle@chicousd.org) or (530) 891-3000 x. 20602*

## Bid Proposal #253018.3

March 24, 2025

TEC-COM is pleased to provide a proposal to Sherwood Montessori Charter School for a Turn-Key Security Camera – (NVR) Network Video Recording System.

The Proposal includes 9 (180 Degree View) Security Cameras, Network Video Storage for up to 14 days of video storage, and UPS Battery backup systems to keep Cameras, NVR, and Access Control devices online in the event of a power outage.

- All proposed Axis Cameras & Recorder have a 5 Year manufacturer warranty.

Tec-Com will be responsible for Camera Installation, cabling, focusing/adjusting, and configuration of the Axis Camera devices on the NVR System.

- Network IP/Port addressing will be provided by Sherwood's Internet Service Provider (ISP).

Four hours of Software Training will be provided to Sherwood Staff.

The proposed Cameras are the same make and model as what Chico Unified utilizes.

- Cameras can easily be relocated if there are changes to the Facilities, such as modernization or construction.

The proposal also includes a new Access Control System Badge Printer.

Our proposal is based on Prevailing Wage Pay Rates and the information provided during on-site walk- thru with Sherwood Montessori Representative.

Attached below is project pricing, Camera layouts and specification sheets for the proposed material.

An As-built drawing will be provided by Tec-Com once the project has been completed.

**Thank You for your consideration.**

**Ryan Cetko / Vice President (TEC-COM)**





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## **Bid Proposal #253018.3**

March 24, 2025

### **Project: Sherwood Montessori /Chico - IP Camera System**

TEC-COM is pleased to provide this Bid Proposal for the Sherwood Montessori / Chico – IP Camera System project.

Our proposal is based on Prevailing Wage Pay Rates & information provided during on-site walk-thru with Sherwood Montessori Representative & attached drawing.

### **SCOPE OF WORK**

1. Provide & install new plywood backboard at existing MDF / IDF location (2 total locations).
  - This is necessary to support the new wall mounted NVR (Network Video Recorder) & UPS's (Uninterrupted Power Supplies).
2. Provide & install the following Uninterrupted Power Supplies (UPS) in MDF & IDF (2 total):
  - IDF = Qty. 1 – Smart-UPS 1000VA LCD 120V with Smart Connect
    1. APC #SMT1000C
  - MDF = Qty. 1 – Smart-UPS 3000VA LCD 120V with Smart Connect
    1. APC #SMT3000C
  - These UPS's are necessary to keep power on to the Network / Phones / Access Control System / Camera System / etc. during power outages / brown outs / etc.
3. Provide & install the following NVR (Network Video Recorder) in existing MDF:
  - MDF = Qty. 1 – S1232 Tower Server / 32TB (Axis #02536-004)
  - This NVR will come with "Axis Camera Station Pro" (Video Management Software) & enough storage to store video from the camera system for around 14 days (give or take depending on weather, etc. / records on motion).
4. Provide & install Qty. 1 – Cat 6A cable & associated hardware from associated MDF / IDF to each new IP Camera location (9 total locations).
  - These network cables are necessary to patch each new camera into the existing network. Butte County Office of Ed. will be responsible for assigning & programming ports on the existing network switches to accommodate the new cameras.
5. Provide & install the following IP cameras & associated hardware at locations indicated on drawings:
  - Qty. 9 – Dual Lens / 180° / 4k Dome Camera (Axis #P4708-PLVE / 02944-001)
    1. Each camera has "IR & Lightfinder" technology to assist with better images at night.
6. Aim and focus newly installed IP cameras to owners' satisfaction.
7. Set up & train users on the new IP Camera / Video Management Software.

### **Access Control System Badging:**

1. Provide the following Plastic Card Printer with Badge Studio:
  - Qty. 1 – Badgy 100 (Badgy #FBA\_944761)

**EXCLUSIONS:**

1. IDF's / Patch Panels (existing).
2. POE switches / injectors (existing).
3. Switch port configurations (Done by Sherwood ISP).

**PROJECT PRICING:**

**TOTAL.....:\$ 53,290.00**

All pricing includes tax and freight and is good for 30 days from date of proposal.

Authorized Signature *Ryan Cetko*

Ryan Cetko – Vice President

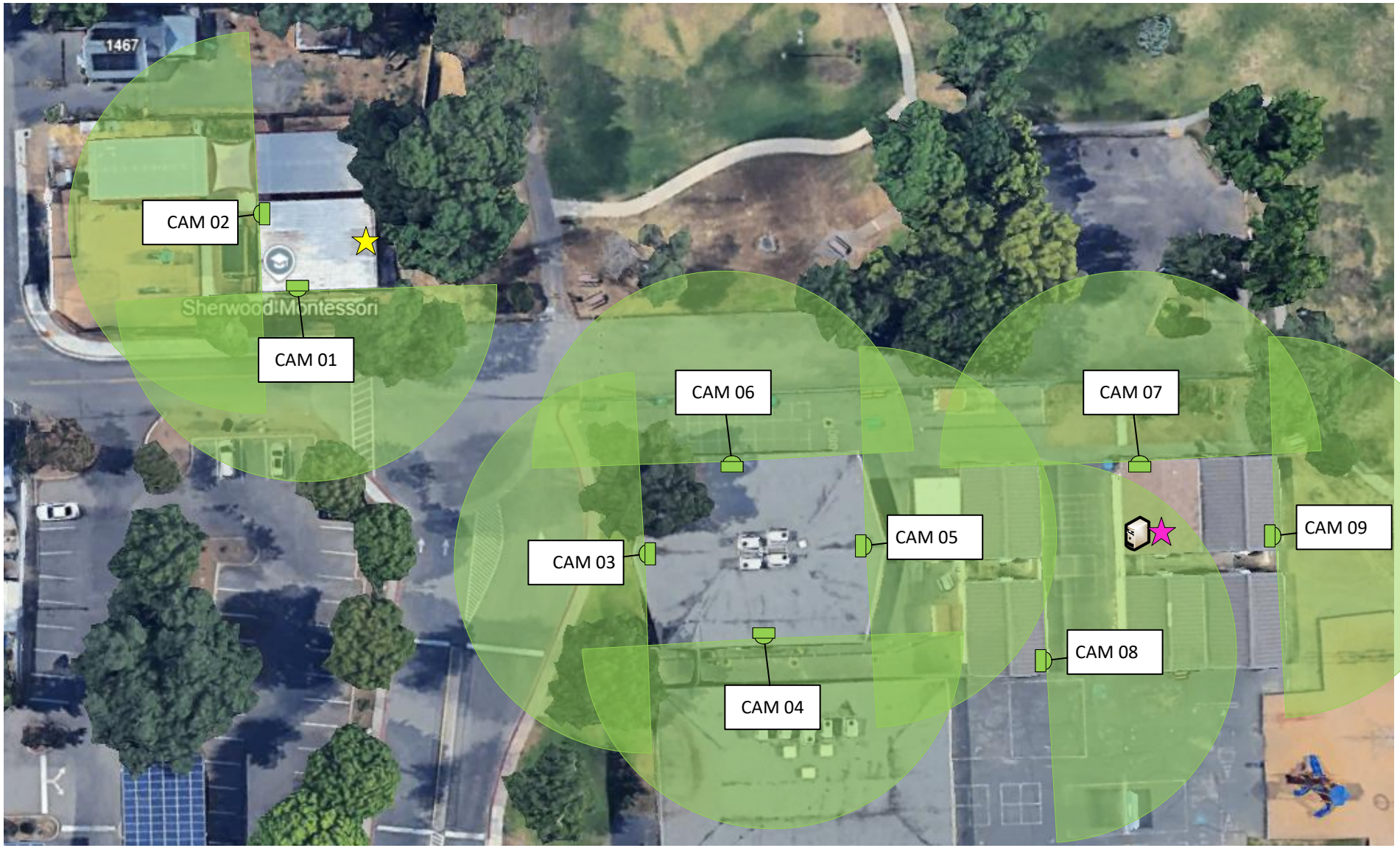
Date 03-24-2025

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- 1 ★ MDF
- \* Qty. 1 – Plywood Backboard
  - \* Qty. 1 – 32 TB NVR
  - \* Qty. 1 – 3000VA / UPS

- 1 ★ IDF
- \* Qty. 1 – Plywood Backboard
  - \* Qty. 1 – 1000VA / UPS

9 4K / 180° / Dual Sensor Camera (Axis #P4708-PLVE / 02944-001)





## Wide Unit Shelf System



Accommodating components too wide to fit the 17-3/8" inside width of standard racks, these shelf systems fit units up to 22" wide, and either bolt into millwork or to the mounting angle of standard rackrail. Occupies 3 rackspace the WUSS system comes complete with a pair ears, a bottom, and appropriate assembly hardware.

50 lb. Weight Capacity.



14" depth available - fits our DWR series shallow wall racks!

| Part #   | Depth   |
|----------|---------|
| WUSS11.5 | 11-1/2" |
| WUSS14   | 14"     |
| WUSS15.5 | 15-1/2" |
| WUSS17.5 | 17-1/2" |
| WUSS20.5 | 20-1/2" |

## Fixed Writing/ Computer keyboard Shelf



The FWS fixed writing/computer keyboard shelf bolts quickly to any 19" rack to create an ideal workspace. With an attractive, black laminate top made from 3/4" furniture-grade MDF board, it occupies 2 rackspaces and comes complete with special railmounting hardware.

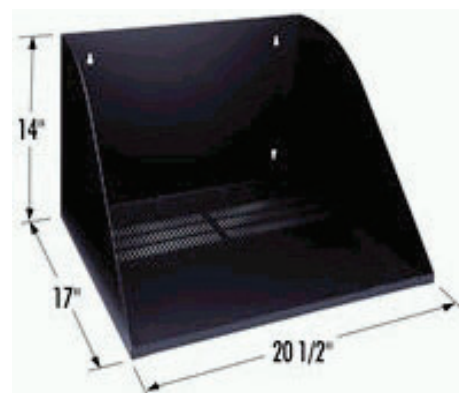
| Part # |
|--------|
| FWS    |



## Wall Mount Shelf

Wall mounting nonrackmount components is much easier with our WMS wall mount shelf. Featuring a fully welded design using 16 gauge steel, the unit's 200 lb. capacity gives it unrivaled strength in its class. With a vented bottom to help keep things cool, both 1/2" and 3/4" electrical knockouts are provided for your convenience. Can be used to economically wall-mount our [RK series racks](#).

| Part # |
|--------|
| WMS-20 |



# Smart-UPS 120 V

Advanced line interactive power protection  
for servers and network equipment



## The world's most popular network and server UPS

The award-winning Smart-UPS™ unit from APC™ by Schneider Electric™ is the most popular UPS in the world for servers, storage, and networks. Trusted to protect critical data and equipment from power problems, the UPS supplies clean and reliable network-grade power. In addition to Legendary Reliability and manageability, Smart-UPS units have extremely high efficiency at low, medium, and high load levels, making them ideal for today's multi-core or virtualized servers that have varying load consumption. Available in a variety of form factors (tower, rack-mount, rack/tower convertible), there is a model for every application and budget.

Intelligent and efficient network power protection from entry level to scaleable runtime. Ideal for servers, point-of-sale, routers, switches, hubs, and other network devices.

- Reliable
- Intelligent
- Efficient
- Manageable

**APC**™  
by Schneider Electric

# Smart-UPS Tower and Rack-mount 750 – 3,000 VA

Application-optimized standard models, ideal for servers, storage, point-of-sale, and other network devices



[ SMT750 ]



[ SMT1500RM1U ]



[ SMT1500RM2U ]



[ SMT1500RM2U ]



[ SMT750 ]

## Standard Features

### High-efficiency Green Mode:

Optimum efficiency which saves utility and cooling costs

### Emergency Power Off (EPO):

Provides for remote UPS shut-off in the event of a fire or other emergency (2,200 VA and above)

### Alphanumeric LCD Display:

Intuitive interface provides detailed and accurate information with ability to configure locally

### Battery Disconnect:

Convenient way to disconnect battery for transport

### Network-grade Power:

Provides most stable power conditions by filtering noise, automatic voltage regulation (AVR), and surge protection

### Communication Ports:

Serial, USB, and SmartSlot™ for accessory cards

### Advanced Battery Management:

Temperature-compensated charging extends life and advanced algorithms recommend replacement date

# Smart-UPS Extended Run 750 – 3,000 VA

Convertible extended run models ideal for critical servers and voice/data switches



[SMX3000LV]



[SMX1500RM2U]



[SMX1500RM2UNC]



[SMX3000RMLV2U]

## Additional Features

### Slim 2U Rack/Tower and 4U Short Depth Convertible Forms:

Display rotates easily for use in or out of a rack

### High-frequency Design:

Reduces size of (or eliminates) bulky transformers making installation even easier

### Low-voltage Models:

(2 – 3 kVA)

Configurable output from 100 V – 127 V on low-voltage models

### Models Available with Pre-installed Network Cards:

Models with “NC” suffix have pre-installed AP9631 network cards with environmental monitoring

### Smart External Battery Connector:

Accepts external batteries and increases runtime automatically to increase availability

### Switched Outlet Groups:

Reboot hung devices, shed non-critical loads to conserve runtime, and sequence start-up/turn off



# Smart-UPS Display

Intuitive, easy-to-use LCD interface

## Standard Features

### LCD Display Screen

Clear, consistent, and detailed information in your choice of basic or advanced menus

### Power Status:

- Operating mode and efficiency
- Load VA/Watts/Amps
- Input/Output voltage and frequency
- Battery capacity and runtime
- Energy meter and more

### Control:

UPS and outlet group settings

### Configuration:

- Language
- Power quality settings
- Alarm, delay, and threshold settings

### Test and Diagnostics:

Initiate battery and runtime calibration tests

### Logs:

See explanation of last 10 transfers and faults

### About:

UPS and replacement battery part numbers, serial numbers, battery install, and suggested replacement dates

### About:

UPS and replacement battery part numbers, serial numbers, battery install, and suggested replacement dates

### Quick Status Indicators

Online, on battery, fault, and replace battery LEDs for quick status identification

### Escape:

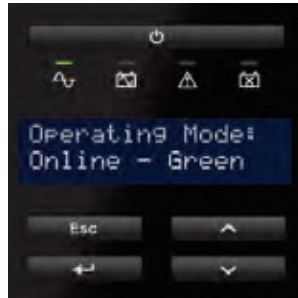
Exits to the previous menu or screen

### Return:

Used to enter or confirm settings

### Navigation Arrows:

Allow for quick adjustment of settings



## Product Services and Accessories

Schneider Electric Critical Power & Cooling Services (CPCS) provides the highest quality services and solutions by trained and trusted professionals. Our world-class services offer a smart way to build, operate, and maintain your critical applications, ensuring the right people, in the right place, at the right time.

### Management Cards

AP9630: UPS Network Management Card

AP9631: UPS Network Management Card with Environmental Monitoring

AP9620: Legacy Communications SmartSlot Card

### Battery Packs

SMX48RMBP2U: APC Smart-UPS 48 V External Battery Pack Rack/Tower

SMX120RMBP2U: APC Smart-UPS 120 V External Battery Pack Rack/Tower

### Additional Accessories

AP9625: APC Smart-UPS Two-post Rail Kit

SMX039-2: APC Smart-UPS 48V Battery Extension Cable

SMX040: APC Smart-UPS 120V Battery Extension Cable

### Service Bypass Panels

SBP1500RM: APC Service Bypass PDU, 120 V; 15 AMP W/ (8) NEMA 5-15R

SBP3000RM: APC Service Bypass PDU, 120 V; 30 AMP W/ (4) NEMA 5-20R and (1) L5-30R

SBP3000: APC Service Bypass Panel- 100 – 240 V; 30 A; BBM; Hard-wire Input/Output

SBP3000RMHW: APC Service Bypass Panel- 100 – 240 V; 30 A; BBM; Hard-wire Input/Output



AP9631



SBP3000RM



## Standard Tower models

| Product feature   | SMT750  | SMT1000        | SMT1500          | SMT2200                | SMT3000          |
|---|---|----------------|------------------|------------------------|------------------|
| Output  |   |                |                  |                        |                  |
| Power capacity  | 500 W/750 VA  | 700 W/1,000 VA | 1,000 W/1,440 VA | 1,980 W/2,200 VA       | 2,700 W/3,000 VA |
| Nominal output voltage  | 120 V   |                |                  |                        |                  |
| Output frequency  | 57 – 63 Hz  |                |                  |                        |                  |
| Waveform type   | Sine wave   |                |                  |                        |                  |
| Output connections (NEMA)   | (6) 5-15R   | (8) 5-15R      |                  | (8) 5-15R<br>(2) 5-20R |                  |
| Switched outlet groups  | -   | 1              |                  |                        |                  |
| Input   |   |                |                  |                        |                  |
| Nominal input voltage   | 120 V   |                |                  |                        |                  |
| Input voltage range for main operations<br>(Max adjustable range) | 82 – 144 V (75 – 154 V)   |                |                  |                        |                  |
| Input frequency   | 50/60 Hz +/- 3 Hz (auto sensing)  |                |                  |                        |                  |
| Input connection  | 5-15P, 6 ft. cord   |                |                  | 5-20P                  | L5-30P           |
| Batteries and runtime   |   |                |                  |                        |                  |
| Battery type  | Maintenance-free sealed lead-acid battery with suspended electrolyte; leak proof  |                |                  |                        |                  |
| Replacement battery   | RBC48   | RBC6           | RBC7             | RBC55                  |                  |
| Runtime estimates   |   |                |                  |                        |                  |
| 200 W   | :22   | :45            | 1:24             | 2:17                   | 2:29             |
| 500 W   | :05   | :10            | :23              | :51                    | :55              |
| 700 W   |   | :06            | :12              | :34                    | :37              |
| 1,000 W   |   |                | :07              | :21                    | :23              |
| 1,400 W   |   |                |                  | :13                    | :14              |
| 1,600 W   |   |                |                  | :10                    | :12              |
| Full load   | :05   | :06            | :07              | :07                    | :06              |
| Communication and management                                      |   |                |                  |                        |                  |
| Interface ports   | Serial (RJ45), USB, and SmartSlot   |                |                  |                        |                  |
| Control panel and audible alarms                                  | Alpha-numeric LCD display with LED status indicators; alarm on battery, distinctive low battery alarm and configurable delays |                |                  |                        |                  |
| Emergency power off (EPO)   | Optional  |                |                  | Yes                    |                  |
| Surge protection and filtering                                    |   |                |                  |                        |                  |
| Surge energy rating   | 459 J   | 480 J          |                  |                        |                  |
| Filtering meets   | Full-time multi-pole noise filtering: 0.3% IEEE surge let-through, zero clamping response time, meets UL 1449                 |                |                  |                        |                  |
| Physical  |   |                |                  |                        |                  |
| Maximum height (inches)   | 6.2   | 8.5            | 8.5              | 17.0                   | 17.0             |
| Maximum width (inches)  | 5.4   | 6.7            | 6.7              | 7.7                    | 7.7              |
| Maximum depth (inches)  | 14.1  | 17.3           | 17.3             | 21.5                   | 21.5             |
| Net weight (pounds)   | 29  | 42             | 53               | 112                    | 116              |
| Conformance   |   |                |                  |                        |                  |
| Regulatory  | UL 1778, CSA  |                |                  |                        |                  |
| Warranty and equipment protection policy                          | 3-year electronics, 2-years battery, and \$150,000 lifetime EPP   |                |                  |                        |                  |

# AXIS Camera Station Pro

## Powerful and flexible video management and access control

Verified to ensure smooth operations with Axis IP products including network cameras, body worn cameras, door controllers, intercoms, speakers, analytics, as well as third-party cameras, this feature-rich, server-based VMS combines video and access control for efficient and active security. It provides the flexibility you need to fully control your system on your private network with optional cloud connectivity. It's easy to manage video and access control. The intuitive interface includes live view, data insight dashboard, replay, AI based search, export, video redaction for protection of third-party privacy, and a powerful action rule engine. Secure standards and built-in cybersecurity features enable secure behavior.

- > **All-in-one video surveillance and access control**
- > **VMS optimized for Axis products**
- > **Private network setup with optional cloud connectivity**
- > **Intuitive design with a user-friendly interface**
- > **Powerful feature set for active operation**



# AXIS Camera Station Pro

## System features

|  |   |
|--|---|
| <b>Supported products</b>                | <p><b>Axis network products:</b><br/> Network cameras and encoders, PTZ and thermal cameras with firmware 4.30 or later<br/> Audio system products<br/> Network door controllers<br/> Network intercoms<br/> Network I/O relay modules<br/> Radar system products<br/> Body worn system</p> <p>For a complete list of supported Axis products go to the <a href="#">AXIS Camera Station Pro product support page</a>.</p> <p><b>Third-party products:</b><br/> 2N IP Intercoms version 2.32.0 and later<br/> Third-party devices must comply with IEC62676-2-31 and IEC62676-2-32 standards, and be ONVIF Profile S conformant.<br/> Continuous recording of video stream through direct RTSP URL</p> |
| <b>Storage</b>                           | <p>Validated Axis storage such as the Axis S series network video recorders and appliances, local hard drives or high performance NAS for storage<br/> Unlimited recording database, limited only by disk space<br/> Retention can be limited per camera to conform to local legal requirement.<br/> Failover recording on devices with SD card when connection to the AXIS Camera Station Pro server is lost unexpectedly.<br/> Fallback recording on AXIS S30 Recorder Series when connection to the AXIS Camera Station Pro server is lost.</p>  |
| <b>Application Programming Interface</b> | API for software integration <sup>a</sup> available to approved partners on request.  |
| <b>Configuration</b>                     | Automatic configuration via import of settings from an AXIS Site Designer project   |
| <b>Clients</b>                           | <p>Client application for Windows for direct server access or remote access using AXIS Secure Remote Access<br/> Mobile app for iOS and Android for direct server access or remote access using AXIS Secure Remote Access<br/> AXIS Camera Station Pro web client for direct server access<br/> AXIS Camera Station cloud web client using Axis Cloud Connect for server access<br/> 300 GB included monthly relay data for AXIS Camera Station cloud web client and AXIS Secure Remote Access, per organization</p>  |
| <b>Multi-server system</b>               | Clients can connect to multiple servers simultaneously.   |
| <b>Installation</b>                      | <p>Test system installation with AXIS Installation Verifier<br/> System test report with AXIS Installation Verifier</p>   |
| <b>Alert tabs</b>                        | <p>Receive system alarms and alerts from action rules.<br/> Links to alarm recordings</p>   |
| <b>Security</b>                          | <p>Multiple user access levels with password protection using local or Windows domain users (Active directory)<br/> HTTPS protected connection between the server and devices<br/> AES-256 encrypted connection between server and client<br/> All connections support TLS 1.2 or higher<br/> Support for Kerberos</p>  |
| <b>Schedules</b>                         | <p>Per camera for recording and action rules<br/> Access control: Per access rule and identification profile<br/> Customization of override schedules</p>   |
| <b>Event triggers</b>                    | Device events, ACAP events, and other events: AXIS Object Analytics, motion detection, system event and error, input/output, action button, external HTTPS, AXIS Perimeter Defender, access control events via door controller, third-party applications, and more.   |
| <b>Event actions</b>                     | Various actions including record, raise alarm, send email, live view, set output, send HTTP notification and access control   |
| <b>Event log</b>                         | Alarm, event and audit logs   |
| <b>Licenses</b>                          | <p><b>License types:</b><br/> Core Device License for Axis devices and 2N IP intercoms<br/> Universal Device License for all types of supported devices, Axis, 2N, compatible third-party devices as well as RTSP direct stream URLs.<br/> Licenses are available as:</p>   |

1 and 5 year subscription licenses for use with free choice of hardware and virtual machines.  
NVR lifetime licenses are provided bundled and as expansion licenses that are tied to AXIS S11, S12, S21, S22 Series recorders.  
NVR Core Device licenses bundled with AXIS S Series Recorder can be upgraded to universal licenses using the Core to Universal NVR license.  
90-day unlimited trial can be upgraded to licensed version

|                                 |  |
|---------------------------------|--|
| <b>System health monitoring</b> | Multiple systems on private network and cloud  |
| <b>Search</b>                   | <p>Object and free text search<sup>b</sup> with smart search 2<br/> Access control events linked with video recordings<br/> License plate information captured by AXIS License Plate Verifier<br/> Speed data captured by AXIS Speed Monitor<br/> Automatic access control bookmarks<br/> Automatic backup of offline events on door controllers</p> |
| <b>Video</b>                    |  |
| <b>Video compression</b>        | <p>H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles<br/> H.265 (MPEG-H Part 2/HEVC) Main Profile<br/> MPEG-4<br/> Motion JPEG</p>   |
| <b>Video streaming</b>          | <p>Multiple, individually configurable streams in H.264, H.265 and Motion JPEG<br/> Controllable frame rate and bandwidth<br/> Axis Zipstream technology in H.264 and H.265<br/> ABR H.264/H.265 for continuous recordings</p>   |
| <b>Resolution</b>               | Supports all camera resolutions up to 20 megapixels including 4K Ultra HD  |
| <b>Frame rate</b>               | <p>Up to 180 fps per camera for the Windows client<br/> Up to 60 fps with 1080p and 30 fps with 4K for the mobile app on iOS and Android</p>   |
| <b>Pan/Tilt/Zoom</b>            | <p>Control of PTZ and dome cameras using mouse, keyboard or joystick<br/> Area zoom for Axis cameras<br/> Programmable hotkeys<br/> Support for PTZ priority</p>   |
| <b>Live view</b>                | Flexible live view configuration, Axis Corridor Format, multiple monitors, hot spot, camera/view sequence, site maps, web page, digital PTZ, dewarp, onscreen control and action buttons   |
| <b>Recording playback</b>       | <p>Search for recordings based on camera, date and timeline visualization, smart search, video scrubbing, bookmarks, locking of prioritized recordings.<br/> Up to 64x or frame by frame<br/> Up to 36 cameras synchronized playback<br/> Single images in JPEG format</p>   |
| <b>Recording export</b>         | <p>Manual and scheduled export<br/> Digital signature on exported recordings, standalone player<br/> Video redaction before exporting to protect third-party privacy<br/> Incident report to manage case information<br/> Notes added to video sequences<br/> Password protection when exporting to ZIP<br/> Export to ASF, MP4 and MKV</p>          |

## Audio

|                        |   |
|------------------------|---|
| <b>Audio streaming</b> | <p>Two-way, half duplex and full duplex for Axis devices (if supported by device)<br/> One-way for third-party cameras<br/> Echo cancellation and noise reduction<sup>c</sup></p> |
| <b>Audio encoding</b>  | AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz   |

## Access control

|                              |  |
|------------------------------|--|
| <b>Configuration</b>         | <p>Active Directory integration for cardholder management<br/> Wireless door configuration<br/> Door and zone configuration with color-coded printable PIN chart<br/> Copy door configuration<br/> Multi-factor authentication for door access<br/> Customizable card format and PIN length setup</p>        |
| <b>Cardholder management</b> | <p>Global cardholder management with multi-server system<br/> Cardholder with support for customized fields, photo, name, ID, email, exempt rule for lockdown, and anti-passback<br/> Credential enrollment with support for card, PIN and duress PIN, QR codes (dynamic and static), and license plates</p> |

|                            |  |
|----------------------------|--|
|                            | Cardholder groups<br>Search for cardholders and cardholder groups<br>Qualified for 10,000 cardholders and 5 credentials for each cardholder  |
| <b>Access management</b>   | Create and edit access rules combining cardholders, doors and schedules.<br>Apply schedule to unlock a door with support for first person.   |
| <b>Door dashboard</b>      | Recent or bookmarked door transactions with cardholder names and photos for verification<br>Door alarms including door open too long and door forced open<br>Door physical status and lock status<br>Graphical maps for system overview and door control |
| <b>Manual door control</b> | Lock, unlock, access and lockdown actions applied to multiple doors and zones  |
| <b>Security controls</b>   | Anti-passback, two-person rule, lockdown, double swipe, first person in, duress PIN, tailgating access control through AXIS People Counter   |

#### Hardware guidelines

|                            |   |
|----------------------------|---|
| <b>General</b>             | See <i>Hardware guidelines</i> in the AXIS Camera Station Pro installation and migration guide.   |
| <b>Scalability</b>         | AXIS S30 Recorder Series offloads the AXIS Camera Server. Go to the AXIS S30 Recorder Series product page on axis.com for more information.   |
| <b>Multi-server system</b> | All systems with higher performance requirements than above shall have multiple servers. Add more AXIS Camera Station Pro servers and divide the bandwidth load equally per server with each server within above specifications.                        |
| <b>Monitor</b>             | For multi-screen support (up to 4 monitors per graphic card) or multi-4K stream support, we recommend using graphic cards with more dedicated video memory than 2 GB (HDMI 2.0 or Display Port 1.2 support required). For example: NVIDIA® QUADRO® P620 |

#### General

|                                |   |
|--------------------------------|---|
| <b>Optional cloud services</b> | License management, server monitoring, cloud web client, device management, user management<br>In order to ensure compatibility with the Axis provided cloud services the AXIS Camera Station Pro server must be updated on a regular basis in compliance with Axis instructions. |
| <b>Operating system</b>        | We recommend Windows 11 for new systems.<br>AXIS Camera Station Pro also supports:<br>Windows 10, 11<br>Windows Server 2016, 2019, 2022 and later<br>For all supported operating systems, see release notes at <a href="https://axis.com">axis.com</a> .                          |
| <b>Web browser</b>             | The web client for AXIS Camera Station Pro supports the following browsers:<br>Chrome version 56 and later<br>Edge (Chromium) version 79 and later<br>Safari version 11 and later   |
| <b>Optional accessories</b>    | AXIS TU9001 Control Board<br>For more accessories, see <a href="https://axis.com">axis.com</a> .  |
| <b>Languages</b>               | English, Czech, French, German, Italian, Japanese, Korean, Russian, Spanish, Arabic, Chinese (Simplified), Chinese (Traditional), Dutch, Finnish, Persian, Polish, Portuguese (Brazil), Swedish, Thai, Turkish, Vietnamese, and Hebrew  |

- No API available for access control.
- The free text search feature connects once a week to Axis cloud services to check if the AI models require any updates to comply with future regulations or requirements. Free text search performs all processing locally on your server and does not use the internet connection to send any video, images, or prompt texts. See below for information about the intended and responsible use and limitations of the free text feature. Requires a minimum of 16GB of RAM.
- For full duplex communication, devices without echo cancellation require the use of headphones.

## Free text search

### Intended use and limitations

The intended use of free text search in Smart Search 2 is to facilitate fast and efficient forensic video analysis, helping investigators to quickly locate and review relevant footage from Axis cameras. This AI search feature does not perform analyses of biometric data but on similarities in objects in the footage. Please note that English is the intended language to use in queries and the accuracy of Smart Search 2 results depends on various factors, including the performance of the underlying AI models, image resolution, camera placement, lighting conditions. For certain search features the result also depends on the content of the recorded material since the function will present what it statistically considers to be the nearest match.

By enabling free text search in Smart search 2, you acknowledge that results may contain inaccuracies or omissions. We recommend exercising caution when relying on these results for critical decision-making purposes. You are

responsible for cautiously reviewing and verifying all findings. Smart Search 2 results are provided "as-is", without warranties of any kind. You assume full responsibility for any risks associated with incorrect or incomplete information.

### Responsible use

By enabling free text search in Smart Search 2, you acknowledge the intended use and accept these terms for responsible use. This feature may not be used for any unlawful, harmful, harassing, or abusive activity, or in a manner that violates the rights of any natural person. You are fully responsible for the searches you perform. Axis has built search moderation into our platform to prevent misuse and reduce the risk of this AI search being used in ways that could be harmful and you also agree not to circumvent, attempt to circumvent, or disable any of these protective measures implemented by Axis.

# AXIS Camera Station S1232 Tower Recording Server

## Flexible and scalable recording server

Featuring powerful components, this secure, scalable recording server offers high performance and support for powerful applications and features. It includes AXIS Camera Station licenses and multiple RAID configurations for flexible storage and multiple redundancy configuration. And, a Trusted Platform Module (FIPS 140-2 level 2 certified) ensures secure storage of all cryptographic keys and certificates. Available in one variant with a choice of storage, it comes preloaded with preconfigured software. Plus, all supported products are available in one price list for a one-stop-shop experience. Furthermore, it offers services such as Keep Your Hard Drive, Next Business Day Onsite Support, and a 5-year warranty.

- > Scalable and powerful solution
- > Flexible storage options including RAID
- > 32 TB storage
- > 32 AXIS Camera Station licenses included
- > Extensive support and 5-year warranty



## AXIS Camera Station S1232 Tower Recording Server

|  |  |  |   |
|--|--|--|---|
| Licenses   | 32 AXIS Camera Station core licenses included and tied to the hardware. Can be upgraded with additional licenses (sold separately).  |  | Playback at high speeds can affect the video performance. |
| System scalability   | Qualified for 128 doors and a recording bitrate up to 500 Mbit/s, 64 video channels at 4 MP, 30 fps in a retail scenario. Check AXIS Site Designer for storage estimates.<br>Tested with:<br>6 live view clients<br>3 clients performing heavy playback or scrubbing operations  |  |   |
| Hardware   |  |  |   |
| Processor  | Intel® Xeon® E processor   |  |   |
| Memory   | 2x 16 GB <sup>a</sup>  |  |   |
| Storage  | Hot swappable Enterprise Class HDD<br>Total HDD slot: 8<br>Free HDD slot: 4<br>Out-of-the-box storage: 24 TB after RAID 5<br>Out-of-the-box capacity without RAID: 32 TB (4x8 TB)  |  |   |
| RAID   | Factory RAID level: 5<br>Supported RAID levels: 0, 1, 5, 6, 10   |  |   |
| Graphics card  | Nvidia® T series   |  |   |
| Power  | 2 x 600 W hot-plug redundant power supplies (included) (100–240 V AC, 7.1–3.6 A, 50/60 Hz)   |  |   |
| Power consumption  | Average: 159 W (542 BTU/h)<br>Maximum: 181 W (617 BTU/h)   |  |   |
| Connectors   | Front side:<br>1x USB 2.0<br>1x iDRAC direct port<br>Rear side:<br>5x USB 2.0<br>1x USB 3.0<br>1x VGA (Do not use)<br>1x Serial port<br>1x iDRAC dedicated Ethernet port<br>2x RJ45 1 Gbps<br>3x Mini DisplayPort™ (max two monitors recommended)  |  |   |
| Video  |  |  |   |
| Video streaming  | Live view:<br>1 stream x 4K at 30 fps<br>4 split x 1080p at 30 fps<br>9 split x 720p at 15 fps<br>16 split x 360p at 15 fps<br>25 split x 360p at 15 fps<br>36 split x 360p at 15 fps<br>Any combination of the above for maximum two 4K monitors<br>Playback:<br>Supports one monitor with the same split scenarios as for live view.   |  |   |
| Approvals  |  |  |   |
| Supply chain   | TAA compliant  |  |   |
| EMC  | EN 55032 Class A, EN 55024, EN 55035, EN 61000-3-2, EN 61000-3-3, FCC Part 2 and 15 Class A, ISED ICES-003 Class A, RCM AS/NZS CISPR 32 Class A, KS C 9832 Class A, KS C 9835, VCCI 32-1 Class A, BSMI   |  |   |
| Safety   | IEC/EN/UL 62368-1, EN 62311, NOM-019-SCFI-1998   |  |   |
| Cybersecurity  | FIPS 140   |  |   |
| Cybersecurity  |  |  |   |
| Documentation  | AXIS Camera Station Hardening Guide<br>Axis Vulnerability Management Policy<br>Axis Security Development Model<br>To download documents, go to <a href="https://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a><br>To read more about Axis cybersecurity support, go to <a href="https://axis.com/cybersecurity">axis.com/cybersecurity</a> |  |   |
| General  |  |  |   |
| Operating system   | Microsoft® Windows® 10 IoT Enterprise LTSC 2021<br>Built-in operating system recovery: yes<br>Operating system drive: 480 GB SSD <sup>b</sup>  |  |   |
| Remote server management   | iDRAC 9 basic license  |  |   |
| Security   | Support for encrypted operating system drive and recording drive<br>FIPS 140-2 level 2 certified Trusted Platform Module (TPM 2.0)   |  |   |
| Operating conditions   | 10 °C to 35 °C (50 °F to 95 °F)<br>Humidity 5–80% RH (non-condensing)  |  |   |
| Storage conditions   | –40 °C to 65 °C (–40 °F to 149 °F)   |  |   |
| Dimensions   | 581 x 175 x 370 mm (22.88 x 6.89 x 14.57 in)   |  |   |
| Weight   | 21.1 kg (46.52 lb) <sup>c</sup>  |  |   |
| Included accessories   | 2x C13 wall plug power cord, 2x Mini DisplayPort™ to DisplayPort™ adapter  |  |   |
| Optional accessories   | Axis joysticks and control boards<br>Enterprise hard drives<br>For more accessories, see <a href="https://axis.com">axis.com</a>   |  |   |
| Services   | Next Business Day Onsite Support<br>Keep Your Hard Drive   |  |   |
| Warranty   | 5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>   |  |   |
| a. Units produced prior to September 1, 2024: 2x 8 GB            |  |  |   |
| b. Units produced prior to September 1, 2024: 240 GB SSD         |  |  |   |
| c. Units produced prior to September 1, 2024: 21.3 kg (46.96 lb) |  |  |   |

- a. Units produced prior to September 1, 2024: 2x 8 GB  
 b. Units produced prior to September 1, 2024: 240 GB SSD  
 c. Units produced prior to September 1, 2024: 21.3 kg (46.96 lb)

## AXIS Camera Station

For details about AXIS Camera Station features and functions, see the AXIS Camera Station datasheet on [axis.com](https://axis.com)



# AXIS P4708-PLVE Panoramic Camera

*2x 4K dual-sensor camera at 30 fps and deep learning*

This dual-sensor camera offers 2x8MP at 30 fps. Lightfinder and Forensic WDR ensure sharp, clear images in challenging or poor light conditions. This high-performance AI-based camera enables improved processing and storage capabilities so you can collect and analyze even more data than before—on the edge. Plus, it delivers valuable metadata facilitating fast, easy, and efficient forensic search capabilities in live or recorded video. It offers flexible positioning of both varifocal camera heads and remote zoom and focus capabilities ensure cost-effective installation. Furthermore, Axis Edge Vault safeguards the device and protects sensitive information from unauthorized access.

- > **2x 4K, multidirectional camera, with one IP address**
- > **Support for AI analytics**
- > **360° IR illumination with 2.5x zoom**
- > **Axis Lightfinder and Forensic WDR**
- > **Axis Edge Vault safeguards the device**



# AXIS P4708-PLVE Panoramic Camera

| Camera                |   |
|-----------------------|---|
| Image sensor          | 2 x 1/2.8" progressive scan RGB CMOS<br>Pixel size 1.45 µm  |
| Lens                  | Varifocal, 3.2–8.1 mm, F1.9–3.2<br>Horizontal field of view: 108°–40°<br>Vertical field of view: 55°–23°<br>Diagonal field of view: 131°–46°<br>Minimum focus distance: 0.5 m (1.6 ft)<br>Fixed iris, IR corrected, remote zoom and focus   |
| Day and night         | Automatic IR-cut filter   |
| Minimum illumination  | Color: 0.19 lux at 50 IRE, F1.9<br>B/W: 0 lux at 50 IRE, F1.9<br>0 lux with IR illumination on  |
| Shutter speed         | 1/16000 s to 2 s with 50/60 Hz  |
| Camera adjustment     | Pan ±110°, tilt ±75°, rotation ±170°  |
| System on chip (SoC)  |   |
| Model                 | ARTPEC-8  |
| Memory                | 4096 MB RAM, 8192 MB Flash  |
| Compute capabilities  | Deep learning processing unit (DLPU)  |
| Video                 |   |
| Video compression     | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles<br>H.265 (MPEG-H Part 2/HEVC) Main Profile<br>Motion JPEG   |
| Resolution            | 16:9: 2x 3840x2160 (2x 8MP) to 2x 640x360   |
| Frame rate            | Up to 25/30 fps (50/60 Hz) in all resolutions   |
| Video streaming       | Multiple, individually configurable streams in H.264, H.265, and Motion JPEG<br>Axis Zipstream technology in H.264 and H.265<br>Controllable frame rate and bandwidth<br>VBR/ABR/MBR H.264/H.265<br>Low latency mode<br>Video streaming indicator   |
| Signal-to-noise ratio | >55 dB  |
| WDR                   | Forensic WDR: Up to 120 dB depending on scene   |
| Noise reduction       | Spatial filter (2D noise reduction)<br>Temporal filter (3D noise reduction)   |
| Image settings        | Saturation, contrast, brightness, sharpness, Forensic WDR, white balance, day/night threshold, tone mapping, exposure mode, exposure zones, barrel distortion correction, compression, rotation: 0°, 90°, 180°, 270° including corridor format, mirroring, dynamic text and image overlay, polygon privacy mask                                       |
| Image processing      | Axis Zipstream, Forensic WDR, Lightfinder, OptimizedIR  |
| Audio                 |   |
| Audio features        | Automatic gain control<br>Speaker pairing<br>Spectrum visualizer <sup>a</sup><br>Voice enhancer<br>10-band graphic equalizer for audio input  |
| Audio streaming       | Audio in, simplex<br>Two-way audio via edge-to-edge technology  |
| Audio input           | Input for external unbalanced microphone, optional 5 V microphone power<br>Digital input, optional 12 V ring power<br>Unbalanced line input   |
| Audio output          | Output through speaker pairing or portcast technology   |
| Audio encoding        | 24bit LPCM, AAC-LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz<br>Configurable bit rate   |
| Network               |   |
| Network protocols     | IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>b</sup> , HTTP/2, TLS <sup>c</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog |

(RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf), IEEE 802.1X (EAP-TLS), IEEE 802.1AR

| System integration                |   |
|-----------------------------------|---|
| Application Programming Interface | Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="https://axis.com/developer-community">axis.com/developer-community</a> .<br>One-click cloud connection<br>ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile M, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="https://onvif.org">onvif.org</a>   |
| Video management systems          | Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at <a href="https://axis.com/vms">axis.com/vms</a> .  |
| Onscreen controls                 | Autofocus<br>Video streaming indicator<br>IR illumination<br>Privacy masks<br>Media clip  |
| Edge-to-edge                      | Speaker pairing   |
| Event conditions                  | Device status: above/below/within operating temperature, IP address removed, new IP address, network lost, system ready, ring power overcurrent protection, live stream active, casing open<br>Digital audio input status<br>Edge storage: recording ongoing, storage disruption, storage health issues detected<br>I/O: manual trigger, virtual input<br>MQTT: subscribe<br>Scheduled and recurring: schedule<br>Video: average bitrate degradation, day-night mode, tampering |
| Event actions                     | Day-night mode<br>Overlay text<br>Illumination: use lights, use lights while the rule is active<br>LEDs: flash status LED, flash status LED while the rule is active<br>MQTT: publish<br>Notification: HTTP, HTTPS, TCP and email<br>Record video: SD card and network share<br>Security: erase configuration<br>SNMP traps: send, send while the rule is active<br>Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email                            |
| Built-in installation aids        | Pixel counter, remote zoom and focus, level grid  |
| Analytics                         |   |
| Applications                      | Included<br>AXIS Object Analytics, AXIS Scene Metadata, AXIS Video Motion Detection, active tampering alarm, audio detection<br>Supported<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>  |
| AXIS Object Analytics             | Object classes: Humans, vehicles (types: cars, buses, trucks, bikes)<br>Scenarios: Line crossing, object in area, crossline counting, occupancy in area, time in area<br>Up to 10 scenarios<br>Other features: Triggered objects visualized with trajectories, color-coded bounding boxes and tables<br>Polygon include/exclude areas<br>Perspective configuration<br>ONVIF Motion Alarm event  |
| Metadata                          | Object classes: Humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates<br>Object attributes: Vehicle color, upper/lower clothing color, confidence, position   |

| Approvals        |  |
|------------------|--|
| Product markings | CSA, UL/cUL, UKCA, CE, KC, EAC, VCCI, RCM  |
| Supply chain     | TAA compliant  |
| EMC              | CISPR 35, CISPR 32 Class A, EN 55035, EN 55032 Class A, EN 50121-4, EN 61000-6-1, EN 61000-6-2<br>Australia/New Zealand: RCM AS/NZS CISPR 32 Class A<br>Canada: ICES-3(A)/NMB-3(A)<br>Japan: VCCI Class A<br>Korea: KS C 9835, KS C 9832 Class A |



|                         |  |
|-------------------------|--|
|                         | USA: FCC Part 15 Subpart B Class A<br>Railway: IEC 62236-4   |
| <b>Safety</b>           | CAN/CSA C22.2 No. 62368-1 ed. 3, IEC/EN/UL 62368-1, IEC/EN 62471, IS 13252   |
| <b>Environment</b>      | IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66/IP67, IEC/EN 62262:2002 IK10, MIL-STD-810H (Method 501.7, 502.7, 506.6, 507.6, 509.7, 512.6), NEMA 250 Type 4X  |
| <b>Network</b>          | IPv6 USGv6, NIST SP500-267   |
| <b>Cybersecurity</b>    | ETSI EN 303 645, BSI IT Security Label, FIPS 140   |
| <b>Cybersecurity</b>    |  |
| <b>Edge security</b>    | <b>Software:</b> Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption<br><b>Hardware:</b> Axis Edge Vault cybersecurity platform TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), secure element (CC EAL 6+), system-on-chip security (TEE), Axis device ID, secure keystore, signed video, secure boot, encrypted filesystem (AES-XTS-Plain64 256bit) |
| <b>Network security</b> | IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2) <sup>d</sup> , IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS <sup>e</sup> , TLS v1.2/v1.3 <sup>f</sup> , Network Time Security (NTS), X.509 Certificate PKI, host-based firewall  |
| <b>Documentation</b>    | <i>AXIS OS Hardening Guide</i><br><i>Axis Vulnerability Management Policy</i><br><i>Axis Security Development Model</i><br>AXIS OS Software Bill of Material (SBOM)<br>To download documents, go to <a href="https://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a><br>To read more about Axis cybersecurity support, go to <a href="https://axis.com/cybersecurity">axis.com/cybersecurity</a>  |
| <b>General</b>          |  |
| <b>Casing</b>           | IP66-, IP67-, NEMA 4X- and IK10-rated Polycarbonate hard-coated dome Aluminum and plastic casing, weathershield Color: white NCS S 1002-B or black NCS S 9000-N For repainting instructions, go to the product's support page. For information about the impact on warranty, go to <a href="https://axis.com/warranty-implication-when-repainting">axis.com/warranty-implication-when-repainting</a> .   |
| <b>Mounting</b>         | Mounting bracket with junction box holes (double-gang, single-gang, 4" square, and 4" octagon) ¼"-20 UNC tripod screw thread ½" (M20) conduit side entry   |
| <b>Power</b>            | Power over Ethernet (PoE) IEEE802.3at Type 2 Class 4 IR illumination on: typical 13.3 W, max 18.8 W IR illumination off: typical 7.3 W, max 13.5 W   |
| <b>Connectors</b>       | Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE Audio: 3.5 mm mic/line in Audio: Audio and I/O connectivity via portcast technology   |
| <b>IR illumination</b>  | Optimized IR with power-efficient, long-life 850 nm IR LEDs Range of reach 15 m (50 ft) or more depending on the scene   |
| <b>Storage</b>          | Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="https://axis.com">axis.com</a>   |

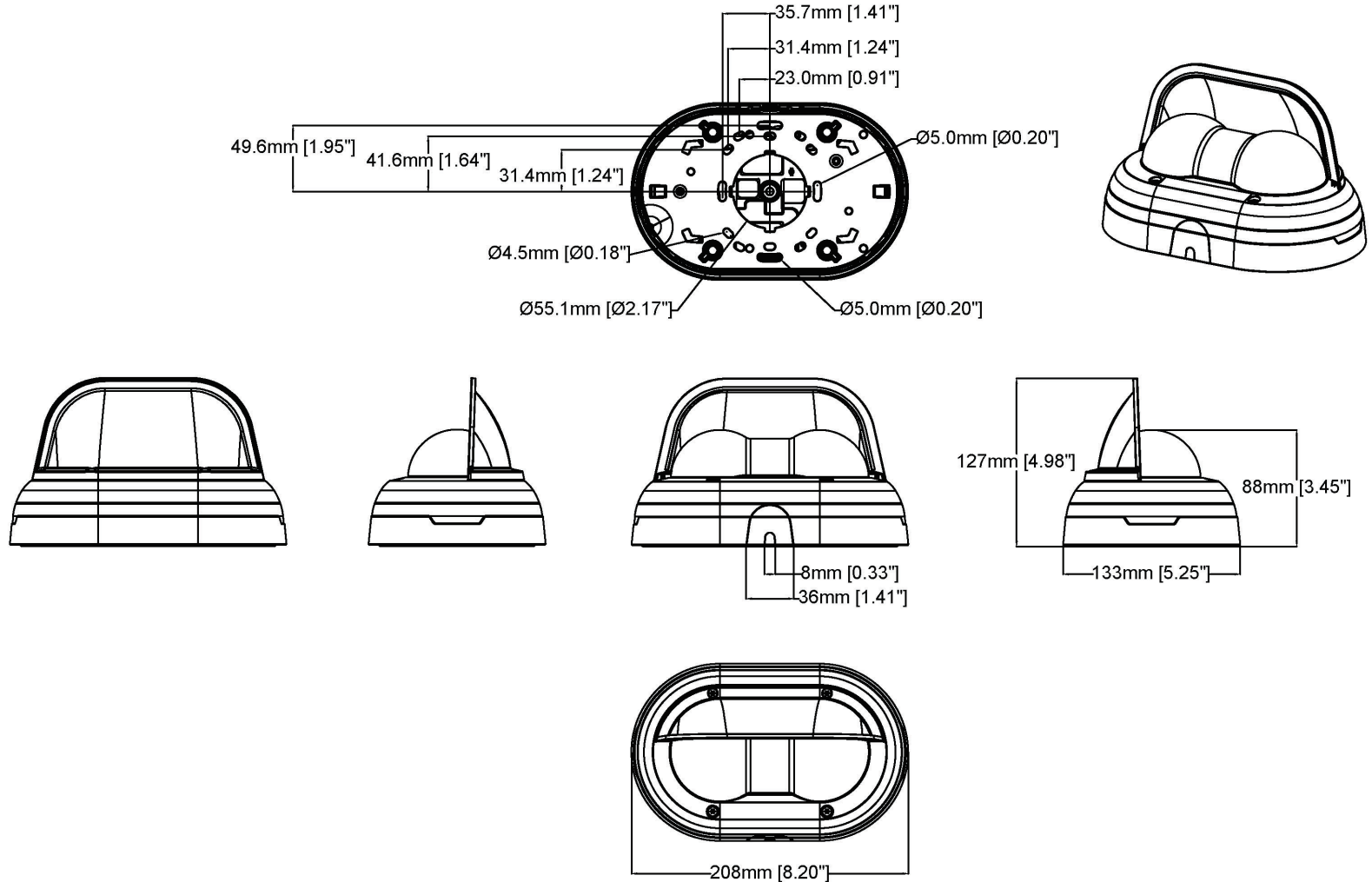
|                                     |   |
|-------------------------------------|---|
| <b>Operating conditions</b>         | -30 °C to 50 °C (-22 °F to 122 °F)<br>Start-up temperature: -30 °C<br>Humidity 10–100% RH (non-condensing)  |
| <b>Storage conditions</b>           | -40 °C to 65 °C (-40 °F to 149 °F)<br>Humidity 5–95% RH (non-condensing)  |
| <b>Dimensions</b>                   | For the overall product dimensions, see the dimension drawing in this datasheet.<br>Effective Projected Area (EPA): 0.015 m <sup>2</sup> (0.158 ft <sup>2</sup> )   |
| <b>Weight</b>                       | 975 g (2.1 lb)  |
| <b>Included accessories</b>         | Camera, installation guide, Windows® decoder 1-user license, connector kit, weathershield, connector guard, cable gaskets   |
| <b>Optional accessories</b>         | Black casing, smoked dome, conduit adapters, AXIS T94N02 Pendant Kit<br>AXIS T8415 Wireless Installation Tool<br>AXIS Surveillance Cards<br>For more accessories, see <a href="https://axis.com/products/axis-p4708-plve#accessories">axis.com/products/axis-p4708-plve#accessories</a>       |
| <b>System tools</b>                 | AXIS Site Designer, AXIS Device Manager, product selector, accessory selector, lens calculator<br>Available at <a href="https://axis.com">axis.com</a>  |
| <b>Languages</b>                    | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese  |
| <b>Warranty</b>                     | 5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>  |
| <b>Part numbers</b>                 | Available at <a href="https://axis.com/products/axis-p4708-plve#part-numbers">axis.com/products/axis-p4708-plve#part-numbers</a>  |
| <b>Sustainability</b>               |   |
| <b>Substance control</b>            | PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard JS709<br>RoHS in accordance with EU RoHS Directive 2011/65/EU/ and EN 63000:2018<br>REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see <a href="https://echa.europa.eu">echa.europa.eu</a>                           |
| <b>Materials</b>                    | Renewable carbon-based plastic content: 9% (recycled: 7%, bio-based: 2%)<br>Screened for conflict minerals in accordance with OECD guidelines<br>To read more about sustainability at Axis, go to <a href="https://axis.com/about-axis/sustainability">axis.com/about-axis/sustainability</a> |
| <b>Environmental responsibility</b> | <a href="https://axis.com/environmental-responsibility">axis.com/environmental-responsibility</a><br>Axis Communications is a signatory of the UN Global Compact, read more at <a href="https://unglobalcompact.org">unglobalcompact.org</a>  |

- a. Feature available with ACAP  
b. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](https://openssl.org)), and cryptographic software written by Eric Young ([eyay@cryptsoft.com](mailto:eyay@cryptsoft.com)).  
c. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](https://openssl.org)), and cryptographic software written by Eric Young ([eyay@cryptsoft.com](mailto:eyay@cryptsoft.com)).  
d. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](https://openssl.org)), and cryptographic software written by Eric Young ([eyay@cryptsoft.com](mailto:eyay@cryptsoft.com)).  
e. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](https://openssl.org)), and cryptographic software written by Eric Young ([eyay@cryptsoft.com](mailto:eyay@cryptsoft.com)).  
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## Detect, Observe, Recognize, Identify (DORI)

|           | DORI definition     | Distance (wide)   | Distance (tele)    |
|-----------|---------------------|-------------------|--------------------|
| Detect    | 25 px/m (8 px/ft)   | 87.8 m (288.0 ft) | 220.1 m (721.9 ft) |
| Observe   | 63 px/m (19 px/ft)  | 34.8 m (114.1 ft) | 87.3 m (286.3 ft)  |
| Recognize | 125 px/m (38 px/ft) | 17.6 m (57.7 ft)  | 44.0 m (144.3 ft)  |
| Identify  | 250 px/m (76 px/ft) | 8.8 m (28.9 ft)   | 22.0 m (72.2 ft)   |

The DORI values are calculated using pixel densities for different use cases as recommended by the EN-62676-4 standard. The calculations use the center of the image as the reference point and consider lens distortion. The possibility to recognize or identify a person or object depends on factors such as object motion, video compression, lighting conditions, and camera focus. Use margins when planning. The pixel density varies across the image, and the calculated values can differ from the distances in the real world.



# AXIS P4708-PLVE Panoramic Camera

|            |      |               |            |
|------------|------|---------------|------------|
| Revision   | v.01 | Revision date | 2024-03-14 |
| Paper size | A4   | Release date  | 2024-03-14 |
| Created by | MS   | Scale         | 1:4        |

## Highlighted capabilities

### AXIS Object Analytics

AXIS Object Analytics is a preinstalled, multifeatured video analytics that detects and classifies humans, vehicles, and types of vehicles. Thanks to AI-based algorithms and behavioral conditions, it analyzes the scene and their spatial behavior within – all tailored to your specific needs. Scalable and edge-based, it requires minimum effort to set up and supports various scenarios running simultaneously.

### Axis Edge Vault

Axis Edge Vault is the hardware-based cybersecurity platform that safeguards the Axis device. It forms the foundation that all secure operations depend on and offer features to protect the device's identity, safeguard its integrity and protect sensitive information from unauthorized access. For instance, **secure boot** ensures that a device can boot only with **signed OS**, which prevents physical supply chain tampering. With signed OS, the device is also able to validate new device software before accepting to install it. And the **secure keystore** is the critical building-block for protecting cryptographic information used for secure communication (IEEE 802.1X, HTTPS, Axis device ID, access control keys etc.) against malicious extraction in the event of a security breach. The secure keystore and secure connections are provided through a Common Criteria or FIPS 140 certified hardware-based cryptographic computing module.

Furthermore, signed video ensures that video evidence can be verified as untampered. Each camera uses its unique video signing key, which is securely stored in the secure keystore, to add a signature into the video stream allowing video to be traced back to the Axis camera from where it originated.

To read more about Axis Edge Vault, go to [axis.com/solutions/edge-vault](https://axis.com/solutions/edge-vault).

### Forensic WDR

Axis cameras with wide dynamic range (WDR) technology make the difference between seeing important forensic details clearly and seeing nothing but a blur in challenging light conditions. The difference between the darkest and the brightest spots can spell trouble for image usability and clarity. Forensic WDR effectively reduces visible noise and artifacts to deliver video tuned for maximal forensic usability.

### Lightfinder

The Axis Lightfinder technology delivers high-resolution, full-color video with a minimum of motion blur even in near darkness. Because it strips away noise, Lightfinder makes dark areas in a scene visible and captures details in very low light. Cameras with Lightfinder discern color in low light better than the human eye. In surveillance, color may be the critical factor to identify a person, an object, or a vehicle.

### Zipstream

The Axis Zipstream technology preserves all the important forensic in the video stream while lowering bandwidth and storage requirements by an average of 50%. Zipstream also includes three intelligent algorithms, which ensure that relevant forensic information is identified, recorded, and sent in full resolution and frame rate.

For more information, see [axis.com/glossary](https://axis.com/glossary)