

**LIVONIA PUBLIC SCHOOLS
BOARD OF EDUCATION**

**Committee of the Whole
February 12, 2024 - 6:30 PM
Board Room
15125 Farmington Road
Livonia, Michigan 48154**

AGENDA

- I. AUDIENCE COMMUNICATIONS**
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- III. FINANCE COMMITTEE**
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- IV. CURRICULUM COMMITTEE**
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 - C. Registration Dates 2024-2025 - Pre-K, Kindergarten, SACC,
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- V. BUILDING & SITE COMMITTEE**
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- VII. PERSONNEL COMMITTEE**
Johnson, Chair; Burton; Frank
- VIII. LEGISLATIVE COMMITTEE**
Jarvis, Chair; Acosta; Burton

**A. Governor's Executive Budget Update
A. Oquist**



MASB
MICHIGAN ASSOCIATION
OF SCHOOL BOARDS

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**BOARD *of*
DIRECTORS
ELECTIONS**

2024

MASB Bylaws – Article IV – Membership

Section 2. Active Members. The board of education of any public school district in Michigan may become an active member of the Association. Active members of the Association shall be divided into eight regions. The regions shall be designated according to intermediate school district boundaries. The regions shall be as follows:

Region 1. Copper Country ISD, Delta-Schoolcraft ISD, Dickinson-Iron ISD, Eastern Upper Peninsula ISD, Gogebic-Ontonagon ISD, Marquette-Alger RESA and Menominee County ISD.

Region 2. Alpena-Montmorency-Alcona ESD, Charlevoix- Emmet ISD, Cheboygan-Otsego-Presque Isle ESD, COOR ISD, Iosco RESA, Manistee ISD, Northwest Education Services and Wexford-Missaukee ISD.

Region 3. Ionia County ISD, Kent ISD, Mecosta-Osceola ISD, Montcalm Area ISD, Muskegon Area ISD, Newaygo County RESA, Ottawa Area ISD and West Shore ESD.

Region 4. Bay-Arenac ISD, Clare-Gladwin RESD, Clinton County RESA, Gratiot-Isabella RESD, Midland County ESA, Saginaw ISD and Shiawassee RESD.

Region 5. Genesee ISD, Huron ISD, Lapeer County ISD, Sanilac ISD, St. Clair County RESA and Tuscola ISD.

Region 6. Allegan Area ESA, Barry ISD, Berrien RESA, Branch ISD, Calhoun ISD, Heritage Southwest ISD, Kalamazoo RESA, St. Joseph County ISD and Van Buren ISD.

Region 7. Eaton RESA, Hillsdale County ISD, Ingham ISD, Jackson County ISD, Lenawee ISD, Livingston ESA, Monroe County ISD and Washtenaw ISD.

Region 8. Macomb ISD, Oakland Schools and Wayne RESA.

Active members shall also be divided into the following seven groups based on pupil membership.

Group I All intermediate districts;

Group II School districts with a pupil membership of 0 - 1,400;

Group III School districts with a pupil membership of 1,401 - 2,500;

Group IV School districts with a pupil membership of 2,501 - 5,000;

Group V School districts with a pupil membership of 5,001 - 11,000;

Group VI School districts with a pupil membership of 11,001 - 40,000; and

Group VII School districts with a pupil membership more than 40,000.

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Note: Incumbents are **bolded**

Board of Directors' Elections—Candidate Information and Email Voting Procedures

This year, nine seats on the MASB Board of Directors are up for election.

The MASB Board of Directors is comprised of 24 members, including three at-large directors. Sixteen directors shall be elected from the eight regions, with two elected from each region; and one director per group shall be elected from Groups V, VI and VII. Directors are elected by active member school boards and, each year, several seats are up for election. The MASB President will nominate a member to serve as an at-large director, subject to Board approval.

Board Limitations:

Article VIII, Section 6 of the MASB Bylaws permits only one director to be elected or appointed from any one local or intermediate school district board.

According to MASB Bylaws Article VIII, Section 8, if any nomination for the Board of Directors is unopposed, the Board of Directors shall declare the unopposed candidate elected without conducting an election for the uncontested group or region.

This year, the following seats on the MASB Board are up for election (one seat each, three-year terms unless otherwise noted): Regions 1 (open seat), 2, 3 (one-year term), 4 (one-year term), 5, 6 (open seat), 7, 8 and Group V (one-year term). If you're unsure of your district's region or group, please see the list on page 2.

- **Region 1 has a vacant seat as no nominations were received**
- **Region 2 will continue to be represented by Dawn Kaiser, Iosco RESA, (unopposed, no ballots will be sent)**
- **Region 3 will continue to be represented by Rick Dernberger, Zeeland Public Schools and Ottawa Area Intermediate School District, (unopposed, no ballots will be sent)**
- **Region 4 will continue to be represented by John Tramontana, DeWitt Public Schools, (unopposed, no ballots will be sent)**
- **Group V will continue to be represented by Stephen Hyer, Clarkston Community Schools, (unopposed, no ballots will be sent)**

Voting in Regions 5, 6, 7 and 8 will take place via an online ballot. No local district/ISD funds can be used to campaign for anyone running for a seat. To help your board make an informed decision, the following pages contain background information and statements from each of the candidates.

Each district received ONE ballot, which was emailed to the superintendent secretary on record with MASB on Jan. 26, 2024. These ballots **CANNOT** be forwarded to anyone else. Once your board makes a decision on which candidate it wishes to vote for, please convey this information to your superintendent secretary.

Completed ballots must be cast and confirmed by the superintendent secretary by **1 p.m. on Wednesday, March 6, 2024.**

Unofficial election results will be available on the voicemail recording at 517.327.5915 as soon as possible, but generally after 2 p.m. on the deadline date. They will also be sent out via email that afternoon. Official results will be approved at the March 22, 2024 Board of Directors' meeting, which newly elected directors should plan to attend.

To summarize:

- Ballot deadline is **1 p.m. on Wednesday, March 6, 2024.**
- MASB would like to remind all candidates for the MASB Board of Directors that no school district funds can be used for campaigning during the election. This rule prohibits a candidate from using their school district email account to send messages to other school board members. Therefore, a personal email account must be used for campaigning purposes when running for the MASB Board of Directors. If you have any questions about what may or may not constitute an expenditure of school district funds, please contact MASB's Legal Counsel Brad Banasik, J.D. at **bbanasik@masb.org** or **517.327.5929.**
- An electronic file containing the physical addresses and email addresses for the voting group or region shall be made available to each candidate running for election to the board of directors. The revokable license to use the addresses shall be limited to contacting school board members to share information about the MASB Board of Directors' election.
- Have questions? Contact Cheryl Huffman at **517.327.5915** or **chuffman@masb.org.**

Region 8 (Three-Year Term)



Melandie Hines

Wayne Westland Community Schools, Wayne County

**Time served
on this board:**

10 years

Offices held:

Vice President
and Secretary

MASB Certification:

Certified Boardmember Award

Award of Merit

Award of Distinction

Master Boardmember Award

Election Statement:

I have served on the Wayne Westland Board of Education for 10 years. In 2018, I was able to get a \$150 million bond passed successfully in six communities: Wayne, Westland, Dearborn Heights, Romulus and Inkster. I am a Master Boardmember with MASB. Additionally, I just got a \$24.5 million bond passed for the Westwood Community Schools. I'm working on a skill trades program with the Taylor Career Technical Center. I enjoy helping to bring funds to the local school districts. I am a true public servant.

Region 8 (Three-Year Term)



Birgit McQuiston INCUMBENT

Lake Orion Community Schools, Oakland County

**Time served
on this board:**

12 years

Offices held:

President, Vice
President, and
Secretary

MASB Certification:

Certified Boardmember Award

Award of Merit

Award of Distinction

Master Boardmember Award

Master Diamond Award

Master Platinum Award

President's Award of Recognition

Advocacy Specialty

Data Specialty

Election Statement:

I believe our children are our future, and advocating for their education while leading our districts is our high calling. Serving on the Lake Orion Board of Education, the Oakland County School Boards Association Board of Directors and the MASB Board of Directors is a distinct privilege that I value and am deeply committed to.

In my three years on the MASB Board of Directors, I have served on the Executive, Finance and Policy Committees. I currently serve as the Chair of the Government Relations Committee and have been appointed by the State Board of Education as the MASB representative to a three-year term on the Special Education Advisory Committee, which advises the State Board and the Michigan Department of Education on the needs of students with special challenges. I have learned so much by serving my community, county and state and hope to continue serving in these areas.

It is my desire to be a part of the ongoing work of developing outstanding board leaders and to advocate for equitable and exceptional public education for ALL students. I fully support and embrace the vision and mission of MASB. It would be an honor to continue serving Region 8 on the MASB Board of Directors.

Region 8 (Three-Year Term)



Evelyn Pridemore

Redford Union School District, Wayne County

**Time served
on this board:**

11 years

Offices held:

President, Vice
President,
Secretary and
Treasurer

Election Statement:

I have served my local district for almost 12 years and have discovered a passion for the work of creating equitable education opportunities for every student in the state of Michigan. I have been through deficit, declining enrollment and the unprecedented changes COVID brought to education. I have held every position from trustee to my current role as President. In addition, I was recently appointed to the leadership team for WCASB. I have helped guide my district through two superintendent searches, a multi-million-dollar bond initiative, served on policy, finance, curriculum and facilities committees.

On a personal note, I have a wonderful husband of 36 years, three amazing sons, two beautiful daughters-in-law and the joy of my life three awesome grandbabies. I say all of that to say this: every single child from my special needs grandson to my little baby granddaughter should have people fighting for their right to quality education. In addition to the children, the people who choose every day to enter a school building and pour into the lives this state's most valuable asset deserve to work in environments that are well funded, top in the country and where their daily sacrifices are valued.



Livonia Public Schools

Elementary Programs and District Services

Date: February 6, 2024

To: Andrea Oquist, Superintendent

From: William Green, Director of Elementary Programs and District Services

Re: Out of District Limited Schools of Choice

The 105 and 105c Schools of Choice program has been utilized since the 2014-2015 school year to offset our declining enrollment and increase our revenue. During the 2023-2024 school year, we enrolled 89 students for an estimated \$850,000 in revenue. In addition to the additional revenue, these placements helped rebalance class size and fill gaps at various locations throughout our schools without negatively impacting class size. In addition, strategic placement of Schools of Choice students helps to reduce the possibility of kindergarten overflow and combination classrooms.

For the 2024-2025 school year, we are recommending offering up to 165 total seats through the 105 and 105c Schools of Choice program from grades K-4. We can anticipate roughly an additional \$1,550,000 in revenue for the 2024-2025 school year should all seats be filled. The application window would be March 1, 2024 – March 31, 2024, at 4:00 pm.

A draft of the Schools of Choice information was presented to the Board of Education at the Study Session of February 5, 2024. Please include the update on Out of District Limited Schools of Choice consideration to the agenda for the February 12, 2024, Committee of the Whole meeting for further discussion on this topic.



Livonia Public Schools

Academic Services

Date: February 7, 2024

To: Andrea Oquist, Superintendent

From: Theresa O'Brien, Chief Academic Officer

Subject: Livonia Public Schools Annual Education Report

I am requesting to be placed on the Curriculum Committee agenda for the February 12, 2024 Board of Education Committee of the Whole meeting. I would like the opportunity to present the 2023-2024 District Annual Report, which was updated in January. It includes several data points from the 2022-2023 school year.

Thank you for your consideration of this request.

Livonia Public Schools



Board of Education 2023-2024

Karen Bradford, President
Mark Johnson, Vice President
Madeline Acosta, Secretary
Tammy Bonifield, Trustee
Colleen Burton, Trustee
Crystal Frank, Trustee
Liz Jarvis, Trustee

Andrea L. Oquist
Superintendent

2023-2024 Annual Education Report



15125 Farmington Road

Livonia, MI 48154

734-744-2500

Serving portions of Livonia and
Westland Michigan



February 1, 2024

Dear Parents and Community Members:

We are pleased to present you with the Annual Education Report (AER) which provides key information on the 2023-2024 educational progress for the Livonia Public Schools School District and our schools. The AER addresses the complex reporting information required by federal and some requirements of state laws. Our staff is available to help you understand this information. Please contact Theresa O'Brien, Chief Academic Officer for help if you need assistance.

The District AER is available for you to review electronically by visiting the following website www.livoniapublicschools.org, or you may review a copy in the main office at your child's school. Each school will also be communicating their own AER to parents directly, which is also available on the district's web site and at their school.

The district's AER has two major sections that are required by state law. The information contained in the first section was compiled by district staff. It presents relevant information about our district, our academic programs, specialized programs, school improvement efforts, and two years of results on district developed assessment and nationally norm-referenced assessments. It also includes the district's parent involvement policy.

The second section of the report contains information provided by the Michigan Department of Education and is required to be presented in their format. These reports contain the following information:

Student Assessment Data – Based on 2022-2023 State Testing, including the following assessments: M-STEP (Michigan Student Test of Educational Progress), College Board PSAT and SAT, Mi-Access (Alternative Assessment). This report section presents assessment information for English language arts and mathematics for grades 3 to 8 and 11 and MI- Access science for grades 4, 7, and 11 compared to state averages for all students as well as subgroups of students. This report helps users to understand achievement performance within grades and schools, and to make comparisons to district, state, and national achievement benchmarks.

Accountability - Detail Data and Status

The accountability portion of the AER includes assessment proficiency and participation rates, graduation or attendance rates, as well as accountability index values showing school performance on a 0-100 scale.

Teacher Qualification Data

- Identifies the number and percentage of inexperienced teachers, principals, and other school leaders
- Reports teachers who are teaching with emergency or provisional credentials
- Includes teachers who are not teaching in the subject or field for which they are certified

NAEP Data (National Assessment of Educational Progress)- No new Data for 2022-23

- Provides state results of the national assessment in mathematics and reading every other year in grades 4 and 8

Civil Rights Data

- Provides information on school quality, climate and safety.

The table below lists each of our schools and their key initiatives. For the 2023-24 school year, schools were identified using definitions and labels as required in the Every Student Succeeds Act (ESSA). A Targeted Support and Improvement (TSI) school is one that has at least one underperforming student subgroup. An Additional Targeted Support (ATS) school is one that has a student subgroup performing at the same level as the lowest 5% of all schools in the state. A Comprehensive Support and Improvement (CSI) school is one whose performance is in the lowest 5% of all schools in the state or has a graduation rate at or below 67%. Some schools are not identified with any of these labels. In these cases, no status label is given. **None of our schools have been given a label.**

School Name	Status Label	Key Initiative to Accelerate Achievement
Buchanan Elementary	No Label Identified	Buchanan has identified students one to two grade levels behind, for whom additional intervention and support is needed. In place is a multi-tiered system of support, including the use of research-based interventions targeting specific students with specific needs. Kindergarten, first and second grade teachers have been trained and using Orton- Gillingham, a multisensory phonic technique for remedial reading instruction. All teachers are using integrated units of study that will incorporate reading, writing, science and social studies. In addition, ongoing professional development and dialogue focusing on strategies to support struggling learners take place regularly. We also concentrate our efforts in an ongoing analysis of formative assessments to determine the needs of all students, followed by the provision of targeted learning intervention to students in need. Grade level teams meet regularly for PLC sessions, and we conduct schoolwide data dives three times each year for Tier I and Tier II reflection, intervention and improvement.
Cleveland Elementary	No Label Identified	To accelerate student achievement for all groups, Cleveland Elementary has put in place a multi-tiered system of support that provides supplemental instruction to our most at-risk students through Title I Literacy support groups throughout the school year. This includes the use of research-based interventions targeting specific students with specific needs. Kindergarten, first and second grade teachers have been trained and has implemented Orton- Gillingham, a multisensory phonic technique for remedial reading instruction. Third and fourth grade students are being trained in Morphology which is an extension of Orton- Gillingham. All teachers are using integrated units of study that will incorporate reading, writing, science and social studies. Teachers also engage in the PLC process which included the analysis of common assessments to determine how to best meet the academic needs of all students. Our intent is to take a close examination of our instructional practices and Tier I instruction while continuously using student achievement data to provide the timely interventions and enrichment opportunities to improve the academic achievement of all students.
Coolidge Elementary	No Label Identified	Coolidge has identified students one to two grade levels behind, for whom additional intervention and support is needed to increase their proficiency and to close the achievement gap in the targeted areas. In place is a multi-tiered system of support, including the use of research-based interventions, targeting specific subgroups of students with specific needs. Kindergarten, first and second grade teachers utilize Orton-Gillingham, a multisensory phonics curriculum. Our third and fourth grade teachers are in the process of learning and using Morphology. All teachers are using the Livonia Public Schools integrated units of study that

		<p>incorporates reading, writing, science and social studies content. Intervention is determined by a student's I Ready Diagnostic score, BAS reading level, and Informal Decoding Inventory score. These interventions include Basic Alphabet Knowledge (BAK), Using Letter Sounds, Using Letter Patterns, Blends and Digraphs, R-Controlled Vowels, Vowel-Consonant-e, Long-Vowel Teams, and Multisyllabic Decoding. Interventions are also available in this program for Fluency and Comprehension (FAC) and Vocabulary and Comprehension (VAC). Grade level teams meet regularly for PLC sessions, and we conduct schoolwide data dialogues three times each year to reflect on student growth and achievement.</p>
Grant Elementary	No Label Identified	<p>Grant has identified students one to two grade levels behind, for whom additional intervention and support is needed to increase their proficiency and to close the achievement gap in the targeted areas.</p> <p>There is a multi-tiered system of support, including the use of the research-based interventions. In addition, ongoing professional development and dialogue focusing on strategies to support struggling learners takes place regularly. Ongoing analysis of formative assessment to determine the needs of all students, followed by the provision of targeted learning intervention to students in need.</p>
Hayes Elementary	No Label Identified	<p>Hayes Elementary has identified our growing economically disadvantaged subgroups of students, for whom additional interventions and supports are needed in order to increase their proficiency and to close the achievement gap in the targeted academic areas.</p> <p>As a school, we use our mission and priorities to guide us as we work towards closing achievement gaps between the students at our school and our school when compared to other schools. Our priorities allow us to focus on helping all students feel like they are learning in a trusting and safe environment where a growth mindset can help them step up to challenges as they learn in authentic and focused ways. We prioritize Tier 1, so that our Tier 2 and 3 can become more manageable and successful. These initiatives are intended to accelerate the student achievement of all students and subgroups.</p>
Hoover Elementary	No Label Identified	<p>Hoover has identified underperforming subgroups of students, including students with disabilities and economically disadvantaged students for whom additional intervention and support is needed in order to increase their proficiency and to close the achievement gap in the targeted areas.</p> <p>In place is a multi-tiered system of support, including the use of the research-based interventions, targeting specific subgroups of students with specific needs. In addition, ongoing professional development and dialogue focusing on strategies to support struggling learners takes place regularly. Ongoing analysis of formative assessment to determine the needs of all students, followed by the provision of targeted learning intervention to students in need.</p>
Kennedy Elementary	No Label Identified	<p>Kennedy has identified underperforming subgroups of students, including students with disabilities and males for whom additional intervention and support is needed to increase their proficiency and to close the achievement gap in the targeted areas.</p> <p>In place is a multi-tiered system of support, including the use of research-based interventions, targeting specific subgroups of students with specific needs. In addition, ongoing professional development and dialogue focusing on strategies to support struggling learners takes place regularly. Ongoing analysis of formative assessment to determine the needs of all students, followed by the provision of targeted learning intervention to students in need.</p>

Niji-Iro Elementary	No Label Identified	<p>The students who tested in the bottom 30% have been identified as a subgroup that is underperforming at Niji-Iro. We have looked at the areas of Reading and Math and are actively working to address these issues by:</p> <ul style="list-style-type: none"> • English teachers servicing students in need of additional support in math and reading through targeted interventions. • Differentiated instruction in both Reading and Math designed to meet the needs of all students. • Targeted small group Guided Reading instruction. • Curriculum review and mapping to the state standards in Math. • Daily interventions with our Dual Language Interventionist.
Randolph Elementary	No Label Identified	<p>Based on this data, key challenges for Randolph include addressing the specific academic needs of students with disabilities, economically disadvantaged students and English Language Learners. Data trends indicate that of these underperforming subgroups, students with disabilities manifest the largest achievement gaps and hence we are providing additional interventions and supports to increase their proficiency and close the achievement gaps in the targeted areas.</p> <p>In place is a multi-tiered system of support implemented and monitored by our building’s Student Achievement Team. This intervention system includes the use of the research- based interventions, targeting specific subgroups of students with specific needs. In addition, ongoing professional development and staff dialogue focusing on instructional strategies to support struggling learners takes place regularly within and across all grade levels. Randolph staff also engages in ongoing analysis of formative and summative assessments to determine the needs of all students, followed by the provision of targeted learning interventions for all subgroups of students in need of these supports.</p> <p>The Randolph staff integrated the PBIS philosophy as well to teach routines and procedures. We have a school-wide behavior matrix that guides our decisions that is a blend of the Leader in Me and PBIS philosophies.</p>
Roosevelt Elementary	No Label Identified	<p>Roosevelt Elementary has identified students one to two grade levels behind, for whom additional intervention and support is needed in order to increase their proficiency and to close the achievement gap in the targeted areas.</p> <p>This year, we continue to utilize the multi-tiered system of support that is in place for our struggling learners. This multi-tiered system includes the use of a Universal Diagnostic Screener, called i-Ready and research-based interventions, which include i- Ready instruction. In addition, ongoing Professional Development and dialogue focusing on strategies to support struggling learners takes place regularly during grade-level collaboration and defined professional development and collaborative learning times. Ongoing analysis through our local data dives of formative assessment is done to determine the needs of all students, followed by the provision of targeted learning intervention to students in need.</p>

Rosedale Elementary	No Label Identified	<p>Based on this data, Rosedale has identified underperforming subgroups of students, including economically disadvantaged students and students with disabilities, for whom additional intervention and support is needed in order to increase their proficiency and to close the achievement gap in the targeted areas.</p> <p>Rosedale has in place is a multi-tiered system of support, including the use of research- based interventions, such as Orton Gillingham instruction, and I Ready Reading Instruction. In addition, ongoing professional development and dialogue focusing on strategies to support struggling learners takes place regularly. Ongoing analysis of formative assessment to determine the needs of all students, followed by the provision of targeted learning intervention to students in need. These initiatives are intended to accelerate the student achievement levels in meeting both the school's and the state's proficiency targets, thereby closing learning gaps including those of the bottom 30% of our performers. Grade level teams meet regularly for PLC sessions, and we conduct schoolwide data dives four times a year for Tier I and Tier II reflection and improvement.</p>
Webster Elementary	No Label Identified	<p>At Webster Elementary our school has identified that students with excessive absenteeism are consistently outperformed by their peers in all subjects, for whom additional intervention and support is needed in order to increase their proficiency and to close the achievement gap in the targeted areas.</p> <p>In place is a multi-tiered system of support, including the use of the research-based interventions. In addition, ongoing professional development and dialogue focusing on strategies to support struggling learners takes place regularly. Ongoing analysis of formative assessment to determine the needs of all students, followed by the provision of targeted learning intervention to students in need.</p>
Cooper Upper Elementary	No Label Identified	<p>Cooper has identified underperforming subgroups of students, including economically disadvantaged students for whom additional intervention and support is needed to increase their proficiency and to close the achievement gap in the targeted areas.</p> <p>To accelerate student achievement, Cooper Upper Elementary has put in place a multi- tiered system of support that provides supplemental instruction to our most at-risk students through Title I Literacy and Math support groups throughout the school year, which also includes dedicated time for small group instruction and RTI time. Students are also provided with social-emotional support through daily interventions (Lunch Bunch, Targeted SEL interventions, Restorative Practices, Monthly Positive Behavior Assemblies, etc). In addition, we will be addressing the achievement gap for our economically disadvantaged students by consistently providing all students a Guaranteed and Viable Curriculum which includes a focus on the Priority Standards. Teachers will engage in the PLC process which includes the analysis of common and formative assessments to determine how to best meet the individual needs, academically and/or social emotionally, of all students. Our intent is to take a close examination of our instructional practices (using formative assessment and the development of strong learning targets/success criteria) and Tier I instruction while continuously using student achievement data to provide the right fit interventions and enrichment opportunities to improve the academic achievement of all students.</p>

School Name	Status Label	Key Initiative to Accelerate Achievement
Johnson Upper Elementary	No Label Identified	<p>Johnson Upper Elementary, has identified underperforming subgroups of students, including children of color, students with disabilities, and economically disadvantaged students for whom additional intervention and support is needed in order to increase their proficiency and to close the achievement gap in the targeted areas.</p> <p>To accelerate student achievement, Johnson Upper Elementary has put in place a multi-tiered system of support, including the use of research-based interventions and data to develop and support small group instruction to improve student achievement. In addition, ongoing professional development and dialogue focusing on strategies to support struggling learners takes place routinely within our Professional Learning Teams. Ongoing analysis of benchmark assessments, I-Ready data, and classroom performance are used to guide instructional decisions that will best optimize student achievement.</p>
Riley Upper Elementary	No Label Identified	<p>Riley Upper Elementary staff has identified underperforming subgroups of students, including students with disabilities for whom additional intervention and support is needed to increase their proficiency and to close the achievement gap in the targeted areas.</p> <p>In place is a multi-tiered system of support, including the use of research-based interventions. We have also created a school wide intervention block to better meet the needs of our struggling learners. All teachers meet weekly in Professional Learning Teams to look at data to help them drive instruction for all learners. In addition, ongoing professional development and dialogue focusing on strategies to support struggling learners takes place regularly. Ongoing analysis of formative assessments to determine the needs of all students is followed by the provision of targeted learning interventions to students in need. We have also implemented the PBIS program throughout the school to help students have a safe and positive environment in which to learn.</p>
Emerson Middle School	No Label Identified	<p>Based on this data, our school has identified students one to two grade levels behind, for whom additional intervention and support is needed to increase their proficiency and to close the achievement gap in the targeted areas.</p> <p>Emerson is committed to ensuring that all students have access to a guaranteed and viable curriculum. We continue to disaggregate data and focus on the achievement gap between the top 30% and the bottom 30%, as well as various subgroups of students including those who may be economically disadvantaged, English learners, and students with disabilities, so that all students learn at high levels. Additionally, we continue to embrace the Professional Learning Community (PLC) process, using these four critical questions to guide our work:</p> <ul style="list-style-type: none"> What do we want all students to know and be able to do? How will we know if they learn it? How will we respond when some students do not learn? How will we extend the learning for students who are already proficient? <p>Our staff meet weekly in their professional learning teams (PLTs) to answer the above four questions, collaborate and plan curricula, and to analyze student assessment results to better inform instruction. Additionally, we continue to implement Eagle Time, a 25-minute period each day where students are provided opportunities for intervention and enrichment based on students' needs. To help students be successful, we offer both Enrichment and co-taught English language arts and mathematics classes, Middle School Success Strategies classes for both 7th and 8th grade students, a full-time Student Assistance Provider, social worker, and psychologist. In addition to the many academics</p>

		supports we offer; we are also proud of the variety of clubs and after-school activities that contribute to a positive and supportive culture at Emerson Middle School.
Frost Middle School	No Label Identified	<p>Although significant gains have been made within subgroups, students with disabilities continue to require additional academic intervention and support to increase their proficiency and close the achievement gap in targeted areas.</p> <p>Our staff meet weekly in their professional learning teams (PLTs) to collaborate, plan, and analyze student assessment data to better inform instruction. Additionally, we continue to implement Falcon Time, a 25-minute period each day where students are provided opportunities for intervention and enrichment based on individual needs.</p> <p>Continued efforts are in place to address the academic and socioemotional needs of students at Frost including multi-tiered systems of support for academics, social and emotional learning (SEL), and school appropriate behaviors. These supports include small group instruction that target specific areas among students with similar academic needs, intense literacy and math support for students working well below grade level, and Peer Tutoring through our National Junior Honor Society (NJHS). Behavioral supports provided by a fully implemented Positive Behavior Interventions and Supports (PBIS) program include a systematic reward system for demonstration of school appropriate behavior, and Tier II mentoring for students who require additional behavioral support. The adoption of a schoolwide writing goal has been put in place to support students writing across the curriculum. Teachers assess student writing with a common rubric three times during the school year to record student growth and identify areas of strengths and weaknesses. Professional Learning Teams, continue to work together to develop common formative assessments to analyze ongoing student growth and determine academic interventions when students are not mastering academic content.</p> <p>Frost Middle School houses Livonia Public Schools magnet program for the academically talented, MACAT (Middle Alternative Classroom for the Academically Talented). MACAT students comprise more than half of the students in Frost's top 30% on the state assessment. Frost's enrollment has declined over several years, causing the MACAT students to comprise a higher percentage of the overall school population, which in turn raises the achievement threshold of the top 30% and contributes to the achievement gap between the top and bottom 30%. Other factors contributing to the achievement gap include attendance and student mobility. Although we have seen a marked decrease in the achievement gap, we continue to develop supports and strategies intended to accelerate student achievement of all subgroups, including the state's bottom 30%, who are not meeting our school's proficiency targets.</p>
Holmes Middle School	No Label Identified	<p>A key challenge for Holmes Middle School is the low performance scores of the Bottom 30% and our students with disabilities in regard to science, math, and social studies. A few key initiatives include but are not limited to supplying co-taught classes to provide extra support for struggling learners, after-school help sessions weekly, implementation of the common core curriculum, implementation of our new math program, providing resource room hours daily for those students who qualify, and provide a support class for struggling general education students. These initiatives are intended to accelerate the student achievement of our two subgroups that are not meeting our school's proficiency targets.</p>

Churchill High School	No Label Identified	<p>At Churchill High School we have several key challenges we are facing as it pertains to our state test scores. The challenges are to improve our subgroup test scores and bring the students in those groups to the levels they need to be so they are meeting the State proficiency targets. The three largest target groups for Churchill High School are the bottom 30%, students with disabilities, and African American students. We are instituting or continuing the following initiatives to help address the scoring gap between our proficient students and the bottom 30%, our students with disabilities, and our African American students.</p> <p>We are working to address these issues in the following ways:</p> <ul style="list-style-type: none"> • Continuing to refine Churchill’s school improvement plan to meet the needs of all Churchill students. • Continuing Algebra Lab, supported by diagnostic testing, to help freshmen who need to increase math skills. • Utilizing i-Ready to improve reading levels for students in Freshman Transition. • Continuing the liaison model for supporting special education resource room students. • Continuing to run classes for struggling learners such as Academic Prep and Academic Success Strategies. • Expanding our before- and after-school programs to include a math lab during lunch hour, more peer tutoring, and staff interaction with students in classrooms and computer labs.
Franklin High School	No Label Identified	<p>Based on this data, our school has identified underperforming subgroups of students, including economically disadvantaged students and students with disabilities, for whom additional intervention and support is needed in order to increase their proficiency and to close the achievement gap in the targeted areas.</p> <p>Our ongoing challenge as a school is to ensure all student are performing academically at grade level or higher, including our low-achieving students, our minority populations, and those with learning disabilities. This school year our School Improvement Goals focus on the following:</p> <ul style="list-style-type: none"> • increasing our students’ academic achievement in reading informational text. • creating positive teacher/student relationships. • working collaboratively in Professional Learning Communities to work toward providing our students a guaranteed and viable curriculum. • <p>These strategies positively benefit our subgroups as well as our entire student population. Our school improvement efforts have multiple avenues and levels of attack:</p> <p>We have expanded our targeted support for our at-risk population, which includes students who are reading below grade, students who are missing the foundational level of mathematics, and/or students who are struggling emotionally and socially.</p>
Stevenson High School	No Label Identified	<p>Our biggest challenge has been overcoming stagnant standardized test scores for the past few years. The key initiatives are:</p> <p>Intervention (Mascot) Time –This year, we have continued an intervention time into the daily time schedule. Twice a week for 35 minutes, there is time within the school day for students to reach out to staff or for staff to pull out students for targeted instruction and/or additional supports.</p> <p>MTSS - In place is a multi-tiered system of support, including the use of research-based interventions targeting specific students with specific needs. All staff has received training on the PLC process. In addition, ongoing professional development and dialogue focusing on strategies to support all learners is taking place. There is ongoing analysis of formative assessments to determine the needs of our students.</p> <p>Secondary Success Facilitators were created to assist and support staff with identifying the four guiding questions of PLT</p>

Livonia Career Technical Center	No Label Identified	<p>At Livonia Career Technical Center we strive for proficiency in all Perkins Core Performance Indicator categories, which are as follows:</p> <ul style="list-style-type: none"> • Four-year graduation rate • Academic proficiency in reading • Academic proficiency in math • Post-program placement • Non-traditional program concentration • Program quality credentials <p>During the 2022-2023 school year we fell short of proficiency in only one category, which was program quality credentials. This was a new core performance indicator, and our building is working diligently on incorporating this new requirement into our curriculum. We are proud to say that this year all of our programs have implemented credentials or are planning to in the near future.</p> <p>To maintain proficiency in reading in math we continue to work with our math and English language liaisons. We also utilize our special population paraprofessionals to help make sure all of our students can successfully complete their career technical education classes. These academic supports also help us to produce a high percentage of completers in our CTE programs.</p>
Garfield Community School	No Label Identified	<p>Students at the Western Wayne Skill Center at Garfield Community School receive specialized instruction from highly qualified special education staff in daily living, work skills, communication, social skills, and independent living skills.</p> <p>Our staff participates in weekly Professional Learning Community team meetings that focus on student achievement and intervention. Staff are always asking what students need to know, analyzing data on how we know students have the skill, and then what to do when students are struggling or excelling with specific skills. Staff members collaborate to provide specific targeted instruction on skills that are transferable to the community and work setting.</p> <p>Our collaborate efforts positively impact our school's success and student achievement as evidenced by the steady reduction of students requiring Tier 3 behavior supports and office referrals.</p>
Jackson Center Early Learning School	No Label Identified	<p>At Jackson Center our school has identified underperforming subgroups of students, including economically disadvantaged students and students with disabilities, for whom additional intervention and support is needed in order to increase their proficiency and to close the achievement gap in the targeted areas. Key challenges for our school include meeting the social, emotional and academic needs of 2-, 3-, 4-, and 5-year-olds. Progress with early literacy, numeracy, and social-emotional skills are important goals for all students. As we set goals for our youngest students, skill assessment checklists will provide a more cohesive and foundational approach to early learning. As we establish baseline data determine what assistance students need in relation to additional supports and interventions, we will be able to put the supports in place that are tailored to the development and age of our students. These initiatives are intended to accelerate the student achievement of subgroups that are not meeting our school's proficiency targets.</p>

Our LPS Priority Areas are:

- *Focused on Student Achievement**
- *Cultivated with Employee Capacity**
- *Supported by Fiscal Responsibility**
- *Wrapped in Climate and Culture**

These four core priorities guide our decision-making making, our resource allocation and are built on the foundation of our district's Shared Vision.

We are proud to partner with our supportive parents and community members who play an invaluable role in the educational journey of our students.

Our district's internal comprehensive Quality Assurance Review process is designed to ensure high levels of learning for all students. By living our district's vision and priorities, we maintain a laser-like focus on student achievement, enhancing programs and offerings for our students and promoting a passion for lifelong learning.

We are proud to serve the children and staff of Livonia Public Schools.

Sincerely,

Andrea L. Oquist, Superintendent

Livonia Public Schools prohibits unlawful discrimination on the basis of race, color, religion, sex, national origin, age, height, weight, marital status, handicap or disability in any of its educational programs or activities. The following person has been designated to handle inquiries and grievances regarding discrimination based on race, color, religion, sex, national origin, age, height, weight, and marital status-Director of Human Resources, 15125 Farmington Road, Livonia, MI 48154 at [\(734\) 744-2501](tel:7347442501) . The following person has been designated to handle inquiries and grievances regarding discrimination based on handicap or disability-Director of Student Services, 15125 Farmington Road, Livonia, MI 48154 at [\(734\) 744-2524](tel:7347442524).

DISTRICT PROFILE

Students: The Heart of Our Mission

The Livonia Public Schools School District covers 39 square miles in the cities of Livonia and Westland. We operate 26 schools or centers, serving the needs of 13,268 regular and special education students. Of that number, 6,678 are enrolled in 15 elementary schools (K-6). In three middle schools (grades 7-8), there are 1,923 students. There are 475 students enrolled in special schools and 4,237 students in three high schools and the Career/Technical Center (grades 9-12). The Livonia Public Schools has 7,956 eligible students and transports approximately 6,723 students each day on 71 school buses, traveling approximately 1,020,280 miles per school year.

Employees Are Our Greatest Asset

Meeting the many and diverse needs of our K-12 students are 980 professional instruction staff, 25 instructors; 55 principals and assistants; 309 secretaries and paraprofessionals; 42 child development assistants; 9 instructional coaches, 4 administrative assistants; 42 building supervisors (SEALS); 248 bus drivers, maintenance workers, warehouse personnel, custodians, and food service workers; 3 PAC managers; 3 adult education and community education staff; 9 central office administrators; 25 district supervisors and crowd control personnel.

In addition, our professional instructional support staff includes psychologists, social workers, learning specialists, elementary support teachers, speech and language therapists, resource classroom teachers, media specialists, counselors, student and family assistant specialists, occupational and physical therapists, and homebound or hospitalized service providers. About 84% percent of our certified staff has advanced educational degrees. We maintain an average district-wide pupil teacher ratio of twenty five to one.



Find your Purpose Explore your Passion Discover your Pride



Our Mission

To educate, challenge, and inspire every student to achieve personal success and become a confident contributor to society.

District of Excellence

We take pride in educating our future leaders, ensuring they have outstanding educational opportunities.

- AdvancED District Accredited at the highest level
- Competitive Edge College Savings program for students, provided by the LPS Education Foundation
- District graduation rate is 92.6%
- M-STEP and state data scores exceed state averages
- LPS placed on College Board's AP District Honor Roll
- National Merit Scholarships awarded annually
- Exceptionally caring and dedicated staff

Early Childhood

- Full-day kindergarten
- Preschool and child care programs
- Young Fives pre-kindergarten program
- Great Start Readiness Program for at-risk 4-year-olds

Facilities & Technology

- Newly renovated schools; updated classroom technology
- State-of-the-art performing arts centers at high schools
- Award-winning, district-wide energy savings program

Safe and Welcoming

A safe and welcoming environment is our priority.

- Child-centered learning environments staffed with caring professionals
- A Community with Character district-wide climate initiative
- Cameras, keyless card entries, police liaisons, secure vestibules

Parent involvement & Communication

We encourage and welcome parents to be partners in their child's education.

- PTSA membership is one of the largest in Michigan
- District Communication Team (parents, staff, and administrators meet to discuss district communications)
- E-news, text, phone alert system
- Parent Connect for accessing student academic progress
- Updated district website; interactive social media communication
- Board of Education meetings televised on LPS cable channel; archived on website

Special Education

State-renowned programs for students from birth through age 26.

- Parents may refer child for an evaluation at first detection or diagnosis
- Programs/services for children with speech and language delays; physical or cognitive impairments; autism spectrum disorder; hearing or visual impairments

Exceptional Academics

Students are encouraged to give their personal best, and challenged to go beyond the ordinary.

- K-4 ELEMENTARY SCHOOLS**
- K-6 JAPANESE IMMERSION SCHOOL**
- 5-6 UPPER ELEMENTARY SCHOOLS**
- 7-8 MIDDLE SCHOOLS**
- 9-12 HIGH SCHOOLS**

- Curriculum is aligned with state content standards and expectations.
- Rigorous academic offerings
- Dual enrollment available for college credit
- Academically Talented & Gifted programs for grades 1-8 (ACAT/MACAT)
- Accelerated classes offered at all middle schools
- High School AP courses offered in all core subject areas in all high schools
- High school courses articulated with local colleges and universities
- High school magnet programs offer specialized opportunities, including:
 - Career Intern Program
 - Creative & Performing Arts (CAPA) Program
 - Global Education Program
 - International Baccalaureate Diploma Program
 - Livonia Career and Technical Center (LCTC)
 - Mathematics, Science & Computer (MSC) Program
- Before- and after-school childcare
- Enhanced music opportunities beginning in sixth grade: band, strings, vocal
- Shared-time program partnering with parochial schools
- Adult and Continuing Education programs: GED, high school diploma, basic skills, job readiness
- Online learning opportunities

Extra Curricular Programs

- Athletics; instrumental and vocal music; theater, and numerous activity clubs
- 24** Well equipped field houses and athletic fields at all high schools
- Competitive robotics clubs beginning in middle school



We, the Livonia Public Schools community, put the needs of our students and their education first. We promote a passion for learning and stand as a source of pride for our students, staff, families, and community - all of whom are essential to our shared success. We commit ourselves to this Shared Vision.



Livonia Public Schools

Shared Vision

Enhancing Our Climate

We are a caring community that knows and lifts every student. Our staff, students, parents, and community members recognize and value the unique contributions each brings to our educational community. Therefore, we see a school district where we:

- Provide a safe, joyful, welcoming environment for all who enter, and a place where students are eager to learn.
- Respect, value, and trust one another.
- Celebrate the uniqueness of each individual with acceptance and understanding.
- Value open, collaborative participation among all stakeholders.
- Learn and grow in updated, well-maintained, and inviting spaces.
- Utilize innovative practices and technology.

Engaging our learners

We are a learning community that inspires and motivates all students to reach their full learning potential. Therefore, we see a school district where students:

- Experience joy in learning.
- Are challenged to give their personal best.
- Have their unique learning needs met.
- Engage in opportunities that connect to the world around them.
- Are provided instruction that is guided by curriculum standards and purposeful assessments.

Empowering our staff

Every staff member's contribution is vital to our organization. We are a district that has a deep commitment to holding ourselves to the highest standards while providing opportunities to learn and grow. Therefore, we see a school district where our empowered staff:

- Works collaboratively to improve student learning and well-being.
- Uses innovative, creative, and research-based ideas to support student success.
- Engages in meaningful and effective professional development.
- Utilizes technology and resources to enhance job effectiveness.

Pursuing Organizational excellence

We are an organization that pursues excellence with determination and commitment. Therefore, we see a school district as one that supports:

- Continuous improvement in all that we do.
- Hiring and retaining high-quality staff.
- Implementing innovative practices.
- Collaborative problem-solving and decision-making.
- Purposeful exploration of exemplary practices for educational excellence.

Preparing Our Students

We are a school district that prepares each student for his or her life journey. Therefore, we see a school district where students are:

- Persons of character who are contributing members of society and who seek opportunities to learn throughout their lives.
- Independent, confident, and hopeful, with the life skills to plan and build successful futures.
- Prepared with the academic skills necessary to pursue educational and career pathways.



The Livonia Public Schools Shared Vision provides the imagination of what we hope to become, and a blueprint for continuous improvement. The clarity of our Shared Vision and commitment to it is crucial to our success. We have identified the following Collective Commitments that will define the behaviors that lead us to our Shared Vision.

Livonia Public Schools

Collective Commitments

Learning: Our Priority

- Learning is what we're all about - for students as well as adults. We are committed to both individual and collective growth.
- We make learning come alive through engaging and inspiring our students.
- Individual differences matter; we strive to provide for our students' unique needs.

Our Environment

- We create positive, welcoming, and safe environments where students, staff, and parents are eager to learn, work, and visit.

Our Interactions

- Respect and integrity are at the core of our interactions with one another. When *these* are compromised, *everything* is compromised.
- We model responsible, ethical behavior.

Our Practices

- We collaborate in order to produce results superior to those achieved individually.
- We are innovative in our pursuit of excellence. We actively seek a better way.
- We recognize and celebrate our successes.

Our Communication

- We want everyone to have a real voice. With that comes a responsibility to speak openly, to listen to others, and to be part of the solution.
- We engage in open and timely communication with each other.

Our Resources

- We safeguard and conserve our district resources with great diligence.

*We will honor, advance, and value these commitments;
the education of our students depends on it.*



SCHOOL IMPROVEMENT

School Improvement Fuels Growth

The District as a whole, and each school individually, uses results-driven school improvement processes to increase student achievement. Each school selects improvement goals based upon the learning needs of its students. District level improvement efforts are embodied in our District Mission statement and Shared Vision. School and District improvement team membership includes staff, parents, students, and community.

SHARED VISION GOAL

The district's shared vision is the touchstone for all our school improvement efforts. Each year we set district priority areas based on stakeholder feedback. The priority areas are then communicated as a part of our administrative open day, new teacher orientation and at professional development. The priority areas for the next three years are:

Student Achievement

Demonstrating a strategic commitment to student learning as evidenced by measurable growth and achievement for all students through consistent, rigorous and engaging curriculum & instruction. Student learning is at our core.

Employee Capacity

Investing in our students begins with an investment in our staff. Building capacity and engagement of each LPS staff member results in meaningful and impactful work.

Fiscal Responsibility

Exhibiting thoughtful and consistent oversight of budget development in order to utilize our district's finances & resources to maximize opportunities for students, support our priority focus areas and promote an environment of fiscal responsibility.

Climate and Culture

Upholding a culture in which we value one another and each contribute daily to a respectful, engaging and positive environment for all.

DISTRICT ACADEMIC GOALS

All students in Livonia Public Schools will be proficient Readers of Literature and Informational Text.

Measurable Objective 1: 80% of All Students will achieve college and career readiness by being able to read and comprehend literary and informational texts. in Reading by 06/01/2025 as measured by State and National Assessments.

Measurable Objective 2: A 5% increase of Male Black or African-American, Bottom 30%, White, Economically Disadvantaged, Homeless, Students with Disabilities, English Learners and Two or More Races students will increase student growth with the skills necessary to read and comprehend grade level literary and informational text in Reading by 06/07/2025 as measured by Local, District and State Assessments.

All students in Livonia Public Schools will be proficient communicators through writing.

Measurable Objective 1: 80% of All Students will achieve college and career readiness by being able to communicate through writing for a variety of purposes and audiences by 06/01/2025 as measured by Local, State and National Assessments.

Measurable Objective 2: A 5% increase of Male Black or African-American, Bottom 30%, White, Economically Disadvantaged, Homeless, Students with Disabilities, English Learners and Two or More Races students will increase student growth with the skills necessary to communicate through writing by 06/07/2025 as measured by Local, District and State Assessments.

All students in Livonia Public Schools will be proficient in mathematics.

Measurable Objective 1: 80% of All Students will achieve college and career readiness by being able to solve problems in Mathematics by 06/01/2025 as measured by Local, State and National Assessments.

Measurable Objective 2: A 5% increase of Male Black or African-American, Bottom 30%, White, Economically Disadvantaged, Homeless, Students with Disabilities, English Learners and Two or More Races students will increase student growth with the skills necessary to solve problems in Mathematics by 06/07/2025 as measured by Building, District and State Assessments.

2018-2021 Goals

1. All students in Livonia Public Schools will be proficient Readers of Literature and Informational Text.
2. All students in the Livonia Public Schools will be proficient Writers.
3. All students in Livonia Public Schools will be proficient in Mathematics.
4. All students in the Livonia Public Schools will be proficient in Science
5. All students will be proficient in Social Studies
6. All students will increase their use of technology tools to engage in learning and collaborate with other students and staff.
7. Enhancing Leadership Skills

The District School Improvement Team (DSIT) brings together representatives from all stakeholder groups to ensure that the district is engaged in continuous improvement towards the Shared Vision. This year our DSIT has been renamed to be our Vision Forward Team. They are work on developing a Portrait of a Graduate from Livonia Public Schools which will be shared with stakeholder groups to gather feedback. The Vision Forward Team will also update our Collective Commitments.

The district is responsible to monitor individual school's school improvement efforts and has established a Quality Assurance Review (QAR) team for this purpose. The team has a process for monitoring school improvement efforts that includes visiting schools and providing feedback on their school improvement efforts and revised elements of the monitoring process based on feedback from team members and school staff. Beginning with the 2023-24 school year, the QAR process has been updated to provide each school with a two-day visit, including visiting grade level and content area Professional Learning Teams. Visiting teams will stay consistent during a three-year cycle, providing ongoing support for school improvement efforts.

CORE CURRICULUM

The K-12 subject area coordinators continued the District's ongoing process of developing and implementing curriculum that is aligned with the Michigan State Standards for K-12 Science, Mathematics, and English Language Arts (ELA), and the proposed standards for Social Studies.

The following statements define our broad cognitive goals for students' learning in these subjects. They reflect the state's standards for College and Career Readiness for English language arts and mathematics and the state's grade level content expectation for science and social studies.

K-12 goals for English Language Arts are:

- Read closely to determine what the text says.
- Make logical inferences.
- Determine central ideas or themes of a text.
- Cite specific textual evidence when writing or speaking to support conclusions drawn from a text.
- Interpret words and phrases as they are used in a text.
- Analyze the structure of texts.
- Assess how point of view or purpose shapes the content or style of a text.
- Integrate and evaluate content presented in diverse formats and media.
- Evaluate the argument and claims in a text.
- Analyze how two or more texts address similar themes.
- Read and comprehend increasingly complex literary and informational texts.
- Write arguments to support claims with evidence from texts.
- Write informative texts to convey information.
- Write narratives to develop real or imagined experiences.
- Produce clear and coherent writing.
- Develop and strengthen writing using the writing process.
- Use technology to produce and publish writing.
- Conduct short as well as more sustained research projects.
- Gather relevant information from multiple print and digital sources.
- Draw evidence from literary or informational texts to support research.
- Write routinely for a range of tasks.
- Demonstrate command of the conventions of standard English grammar and usage.
- Understand how language functions.
- Determine the meaning of unknown words and phrases.
- Demonstrate understanding of figurative language.
- Acquire and use academic and domain-specific words and phrases.

The K-12 goals for Mathematics are:

- Develop personal management skills, confidence and a positive attitude toward the use, value and power of mathematics.
- Acquire the skills necessary to interact with others in learning and problem-solving situations.
- Make sense of problems and persevere in solving them.
- Construct viable mathematical arguments and critique the reasoning of others.
- Learn to reason abstractly and quantitatively.
- Recognize the connections among mathematical topics, other disciplines and everyday experiences and use mathematic models to solve real-world problems.
- Become competent in the selection and application of appropriate tools for solving mathematical problems.

- Attend to precision when performing mathematical calculations and communicating thoughts and results with others.
- Look closely for a pattern or structure to help make sense of mathematical problems.
- Look for regularity and repeated reasoning when solving mathematical problems.
- Develop number sense to demonstrate, analyze and use the various forms of real numbers, their relationships and algorithms.
- Develop mental mathematics and estimation skills.
- Understand and use measurement in practical situations.
- Develop geometric concepts and spatial sense.
- Use probability and statistical concepts and methods to solve problems.
- Interpret and apply algebraic concepts and methods to solve real life problems.
- Continually evaluate the reasonableness of intermediate results and final answers.

The K-12 goals for Science are:

- Understand that learning science is an active process.
- Understand that engaging in scientific inquiry and reasoning in a scientific context is central to science learning.
- Understand that life, physical and earth sciences are interconnected by the concepts of patterns, cause and effect, scale and proportion, systems, models, energy and matter, structure and function, stability and change.
- Ask questions and define problems.
- Develop and use models to help explain natural phenomena, analyze systems, and test possible solutions to new problems.
- Plan and carry out systematic scientific investigations both in the laboratory and in the field using science process skills.
- Analyze and interpret data looking for significant features and patterns in the data in order to derive meaning.
- Use mathematics and computational thinking, along with appropriate technology, to represent physical variables and their relationships.
- Construct explanations and design solutions.
- Engage in scientific reasoning and argumentation using data and facts as evidence.
- Communicate findings clearly and persuasively, including supporting data.
- Evaluate the findings of others based on scientific evidence.
- Develop scientific literacy through information processing (oral communication reading, writing); critical thinking and problem solving strategies.
- Understand that the nature of science demands responsible action in dealing with science-related societal issues.

The K-12 goals for Social Studies are:

- Apply social studies concepts and processes as informed, thinking, capable citizens to contribute and participate productively in their families, work community and nation.
- Utilize primary and secondary sources to obtain, acquire, process and organize relevant information.
- Use social studies concepts and principles to communicate effectively regarding public policy questions and issues.
- Participate and effectively act on social and public policy issues important to their own lives.
- Understand and apply recurring themes and pervasive issues in historical events and personages across time and geographical space.

- Understand and analyze relationships between human society and the environment.
- Apply understanding of the purposes, organization and ideas of political systems and relationships to individual and group behavior.
- Apply understanding of concepts and principles of economics
- Understand global interdependence and issues which affect people all over the world.
- Learn through domain specific texts to obtain social studies concepts.
- Analyze information and come to conclusions in an inquiry. These skills focus on gathering and evaluating sources, and then developing claims and using evidence to support those claims.
- Be able to collaborate with others as they communicate and critique in public venues.

STUDENT ACHIEVEMENT ON DISTRICT DEVELOPED ASSESSMENTS

The following tables, show the results of local testing for the district. Students are assessed using district created benchmark assessments, running records and I Ready Diagnostic Assessment.

DISTRICT ASSESSMENTS – Preschool Benchmark Assessments

Students in preschool are assessed on a one-on-one basis regularly during the school year to measure progress toward grade-level literacy skills.

YOUNG 5'S AND 4 YR. PRESCHOOL BENCHMARK ASSESSMENTS			
	60% of Letter Identification		Rote Counting to 20
Spring 2023	86%		99%
Spring 2022	86%		85%

Students in kindergarten are assessed on a one-on-one basis regularly during the school year to measure progress toward grade-level literacy skills.

EARLY LITERACY BENCHMARK ASSESSMENT - KINDERGARTEN			
	Letter Identification	Letter Sounds	Rhyme
Spring 2023	90%	88.5%	73.5%
Spring 2022	91.3%	90.9%	89.5%

DISTRICT LITERACY ASSESSMENTS – Running Records

Students in grades K-4 are assessed using running records with comprehension to students one-on-one. Kindergarten teachers administer running records with comprehension in the spring and at the end of the school year. Students in grades 1-4 are assessed multiple times each year.

RUNNING RECORDS ASSESSMENTS- GRADES K-4					
Percent of Students that Performed At or Above Grade Level					
	Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4
Spring 2023	68.1%	67.8%	76%	72.5%	72.6%
Spring 2022	63.8%	69.3%	71.6%	82.5%	70.2%

DISTRICT LITERACY ASSESSMENTS – i-Ready

The following chart shows the percentage of students at each grade level that performed mid or above grade level on the i-Ready Diagnostic Assessment at the end of the school year.

Kindergarten students are assessed on their attainment of grade-level reading standards two times during the school year using the i-Ready Reading Diagnostic Assessment. In grades 1-6, students are assessed on three or more times during the school year to drive instruction and interventions.

i-READY READING							
Percent of Students Mid or Above Grade Level							
	Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6
Spring 2023	61%	57%	54%	46%	39%	27%	35%
Spring 2022	56%	54%	47%	48%	41%	26%	36%

Middle School students are assessed on their attainment of grade-level reading standards three times during the school year using the i-Ready Reading Diagnostic Assessment.

i-READY READING		
Percent of Students Mid or Above Grade Level		
	Grade 7	Grade 8
Spring 2023	32%	29%
Spring 2022	30%	30%

DISTRICT MATHEMATICS ASSESSMENT – i-Ready

The following chart shows the percentage of students at each grade level that performed mid or above grade level on the i-Ready Diagnostic Assessment at the end of the school year.

Kindergarten students are assessed on their attainment of grade-level reading standards two times during the school year using the i-Ready Reading Diagnostic Assessment. In grades 1-6, students are assessed on three or more times during the school year to drive instruction and interventions.

i-READY MATHEMATICS							
Percent of Students Mid or Above Grade Level							
	Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6
Spring 2023	53%	51%	42%	45%	44%	38%	26%
Spring 2022	55%	57%	39%	43%	45%	31%	26%

Middle School students are assessed on their attainment of grade-level math standards three times during the school year using the i-Ready Reading Diagnostic Assessment.

i-READY MATHEMATICS		
Percent of Students Mid or Above Grade Level		
	Grade 7	Grade 8
Spring 2021	21.3%	18.3%
Spring 2022	22%	12%

STUDENT ACHIEVEMENT ON NORM REFERENCED ASSESSMENTS

ABILITY AND ACHIEVEMENT TESTS – ELEMENTARY AND MIDDLE SCHOOL

The Cognitive Ability Test (CogAT®) from Riverside Publishing is administered to sixth grade students. CogAT® is a nationally normed test and is generally considered an aptitude test.

CogAT GRADES 6 & 8				
Average Age Percentile Ranks				
	Verbal	Quantitative	Nonverbal	Composite
GRADE 6				
2023	54%	57%	62%	58%
2022	55%	58%	62%	59%
GRADE 8				
2023	NA	NA	NA	NA
2022	58%	55%	64%	61%

STUDENT ACHIEVEMENT ON STATE AND NATIONAL ASSESSMENTS

STATE ASSESSMENTS

The PSAT 8/9, 10 and SAT are part of the College Board's "SAT Suite of Assessments" and is offered to eighth through eleventh grades. These national tests measure the same skills and knowledge in ways that make sense for different grade levels. The tests keep pace with student progress, matching the scope and difficulty of work in the classroom. All students take PSAT 8/9, 10 and SAT as a part of the State of Michigan's assessment system (MME).

This data can also be found on [MISCHOOL DATA- Livonia Public Schools](#) Attached to this report is the State Assessment Data for Livonia Public Schools and all the individual schools that are a part of Livonia Public Schools. These reports include student proficiencies on M-STEP, PSAT, SAT and MiAccess.

PSAT/SAT – MIDDLE SCHOOL AND HIGH SCHOOL

PSAT 8, 9, 10 and SAT EBRW - Evidenced Based Reading and Writing Percent of Students Proficient				
	PSAT 8	PSAT 9	PSAT 10	SAT EBRW
Spring 2023	65%	67%	65%	60%
Spring 2022	65.4%	63%	65%	57.2%

PSAT 8, 9, 10 and SAT Mathematics Percent of Students Proficient				
	PSAT 8	PSAT 9	PSAT 10	SAT Math
Spring 2023	44%	46%	44%	44%
Spring 2022	42.7%	45%	46%	42.5%

HOME/SCHOOL PARTNERSHIP

One of the most important factors in a child's success in school is the involvement of parents or guardians in the educational process. We provide multiple opportunities a year for parents to collaborate with schools around their student's academic achievement.

At the elementary level, 96.2% of parents (6,529) attended parent-teacher conferences during 2022-23 school year and 95.9% of parents (6501) attended parent-teacher conferences during the 2021-22 school year.

At the secondary level, 33.66% of parents (2,300) attended parent teacher conferences in fall of the 2022-23 school year and 33% of parents (2,096) attended parent teacher conferences in the 2021-22 school year.

PTA/PTSA in Livonia is an active partnership involving parents, educators, and community members. Livonia Public Schools has 23 school units and continues to have one of the largest PTA/PTSA memberships in Michigan. PTSA values collaboration and commitment by partnering with an array of individuals and organizations while engaging families across our community. Parents are encouraged and welcomed to be partners in their child's education through volunteering at the school level in a variety of ways including: planning science fairs, popcorn days, fun runs and much more. Participation in the

National Reflections Art Program receives tremendous support from our local PTA/PTSA units. Last year, around 1,200 students district-wide participate in our Youth Making a Difference program by completing community service projects. Projects range from collection of food, clothing or money for charity to cleaning up school or community grounds, making cards for veterans or making blankets for animals in shelters. Many PTA's also provide scholarships to students, including giving money for field trips, band camps or for continuing education after K-12.

SPECIALIZED PROGRAMS

The LPS school district provides educational alternatives and opportunities for students and meets special education needs in addition to the regular K-12 program. Specific information about these programs is available on the district Web site at www.livoniapublicschools.org.

Elementary

At the elementary level, students may be enrolled in Alternative Classrooms for the Academically Talented (ACAT) at Webster Elementary School, Niji-Iro Japanese Immersion Elementary School and special education centers at Coolidge, Grant, Johnson, Randolph and Webster. A preschool is operated at the Jackson Center, a Great Start Readiness Program (GSRP) is located at Garfield Community School, and preschool special education programs are located at Roosevelt Elementary and Jackson Center. Other special education programs are available in western Wayne County for our students with disabilities, based upon their individual needs. Specific information about these programs is available on the district Web site at www.livoniapublicschools.org.

Middle School

Our middle school students may be enrolled in the Middle School Alternative Classrooms for the Academically Talented (MACAT) program and special education centers at Frost as an alternative to the regular 7-8 program. Other special education programs are available in western Wayne County for our students with disabilities based upon their individual needs.

High School

In addition to the regular 9-12 program, our high school students may be enrolled in the Career Intern Program; CTE courses at the Livonia Career Technical Center; Mathematics, Science and Computer (MSC) program at Churchill; Creative and Performing Arts (CAPA) program at Churchill; Global Education program at Stevenson; the special education, pre-vocational and vocational education program for students with disabilities at Franklin and Churchill; and our post high school program Western Wayne Skill Center at Garfield Community School and the Livonia Transition Program (LTP) at Schoolcraft College. Other special education programs for high school students are available in western Wayne County for our students with disabilities based upon their individual needs.

Title 1

Academic support is provided to students in all schools. In addition, some schools qualify for Title I academic supports based on the percent of students receiving free and reduced lunch. Students are identified for service by scores on district assessments, both academic and social emotional. For the 2022-23 school year the following schools qualify as Title I schools: Cleveland, Cooper, Grant, Hayes, Kennedy, Randolph, Roosevelt, Rosedale and Johnson elementary schools.

PARENT INVOLVEMENT

The district's Parent Involvement Plan is available on the district's website, which is linked to each school's website.

BOARD POLICY

IDD

**INSTRUCTIONAL PROGRAM
PARENT INVOLVEMENT**

**JUNE 20, 2011
Reviewed 5/2014**

The Board strongly encourages and welcomes the involvement of parent(s)/guardian(s) in all of the District's educational programs. It is recognized and appreciated that parents/guardians are the "first teachers" of their children, and that their interest and involvement in the education of their children should not diminish once their child enters the schools of the District. Accordingly, the Board directs, by the adoption of this policy, that the administration shall design a program/plan that will encourage parent(s)/guardian(s) participation that may include, but not be limited to: The development and review of instructional materials; input on the ways that the District may better provide parent(s)/guardian(s) with information concerning current laws, regulations, and instructional programs; and District offerings of training programs to instruct parent(s)/guardian(s) how to become more involved in their child's educational programs.

Pursuant to state law, the Superintendent shall provide a copy of the District's Parental Involvement plan to all parents.

DATA FROM THE MICHIGAN DEPARTMENT OF EDUCATION

These reports contain the following information:

Student Assessment Data

Includes the following four assessments: M-STEP (Michigan Student Test of Educational Progress), College Board PSAT, MI-Access (Alternate Assessment), and College Board SAT. This report section presents assessment information for English language arts and mathematics for grades 3 to 8 and 11, and MI-Access science for grades 4, 7 and 11, compared to state averages for all students as well as subgroups of students.

Accountability – Detail Data and Status

The accountability portion of the AER includes assessment proficiency and participation rates, graduation or attendance rates, as well as accountability index values showing school performance on a 0-100 scale.

Teacher Qualification Data

- Identifies the number and percentage of inexperienced teachers, principals, and other school leaders. Reports teachers who are teaching with emergency or provisional credentials.
- Includes teachers who are not teaching in the subject or field for which they are certified.

NAEP Data (National Assessment of Educational Progress)

- Provides state results of the national assessment in mathematics and reading every other year in grades 4 and 8.

Civil Rights Data

- Provides information on school quality, climate and safety.

The link [MISCHOOL DATA- Livonia Public Schools](#) will take you to the reports provided by the Michigan Department of Education for Livonia Public Schools.





Livonia Public Schools

District Services

Date: February 8, 2024

To: Andrea Oquist, Superintendent

From: Phillip Francis, Assistant Superintendent of District Services

Re: Quarterly Dashboard Report – 4th Quarter

I would like to request adding an agenda item to the February 12, 2024 Committee of the Whole meeting for Plante Moran Realpoint to report out to the Board of Education the Quarterly Dashboard Report. This will be Plante Moran Realpoint's general report through the fourth quarter of 2023 and will include bond projects.

Thank you.

c: Board of Education

PF/ko



Livonia Public Schools

District Services

Date: February 8, 2024

To: Andrea Oquist, Superintendent

From: Phillip Francis, Assistant Superintendent of District Services

Re: ECC Playground Site Work, Fencing, and Landscaping – 2021 Bond

I am requesting that the ECC playground site work, fencing, and landscaping for the new Early Childhood Center being constructed be placed on the agenda for the February 12, 2024, Committee of the Whole meeting. The Bond Team is recommending firms currently under contract with the district to provide these services at the ECC via the change order process. These firms will provide and install playground sitework, concrete, fencing, and landscaping at the playground area of the ECC. This request is in an amount not to exceed \$560,845.00 which includes CM fees and costs plus contingency. This project is required for project completion at the Early Childhood Center and will be paid via the 2021 Bond.

Please contact me if you have questions. Thank you.

Attachments

c: Board of Education

PF/ko

February 7, 2024

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

RE: 2021 Bond Program
Playground Sitework and Site Landscaping Recommendation
Early Childhood Center

Dear Mr. Francis:

This letter transmits an update from Plante Moran Realpoint (PMR) as it relates to the assignment to assist and advise Livonia Public Schools (LPS) in its selection of a Prime Contractors for the Project listed above. This update represents the mutual efforts of PMR, Clark Construction Co., TMP Architects, and LPS administration and staff (the Team).

Coinciding with the new Early Childhood Center project, the Team has conducted multiple design meetings, visits to neighboring district facilities, and review of LPS' current playground areas over the course of the past few months focused on the sitework and amenities for the ECC playground.

Following completion of that process, the Team is recommending the firms listed within Clark Construction Co.'s Change Request to provide and install playground sitework, concrete, fencing and landscaping at the Livonia Early Childhood Center in an amount not-to-exceed \$491,970.00 with CM Fees and Costs of \$19,678.00, and a contingency of \$49,197.00 (10%), for a **total recommendation of \$560,845.00.**

For the Contractors, the pricing for this work will be issued in Contract Change Orders.

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

Sincerely,

PLANTE MORAN REALPOINT



Brian Weber
Senior Vice President

Enclosures:
Clark Construction Change Request



2021 BOND PROGRAM - ECC PLAYGROUND SITEWORK & LANDSCAPING
BUDGET SUMMARY

	Hard Construction		
Building	Budget	Actual	Variance
ECC	\$ 500,000	\$ 491,970	\$ 8,030
Totals	\$ 500,000	\$ 491,970	\$ 8,030

	CM Fees/Costs		
	Budget	Actual	Variance
Staffing	Included within the CM Contract		
Reimbursables	Included within the CM Contract		
General Conditions (2%)	\$ 10,000	\$ 9,839	\$ 161
CM Fee (2%)	\$ 10,000	\$ 9,839	\$ 161
Totals	\$ 20,000	\$ 19,678	\$ 322

	Construction Contingency (10%)		
	Budget	Actual	Variance
	\$ 50,000	\$ 49,197	\$ 803
Totals	\$ 50,000	\$ 49,197	\$ 803

	Total Project Costs		
	Budget	Actual	Variance
	\$ 570,000	\$ 560,845	\$ 9,155
Totals	\$ 570,000	\$ 560,845	\$ 9,155

* The budget savings will be reallocated to the Owner's Contingency within the Bond Program



2/7/2024

Phillip Francis
 Livonia Public Schools
 15125 Farmington Road
 Livonia, MI 48154

RE: PCO NO. 0857
Livonia PS 2021 Bond - 21-2867

Dear Phillip Francis,

We have finalized gathering all the required quotations for PCO No. **0857** for the following extra work: **ECC - Bulletin #12**. We have reviewed the scopes of work and have verified that all extra work items are in compliance with the Contract Documents.

The following is a detailed itemization of all extra costs:

Item	Budget Code	Description	Amount Proposed	Contractor
0001	000.23.31 00 00	Earthwork & Utilities BP5 - BULLETIN 12 - MUCK OUT AND RE-ESTABLISH GRADE	\$48,450.00	Eastside Equipment LLC dba Simone C
0002	000.23.31 00 00	Earthwork & Utilities BP5 - BULLETIN 12 - UTILITIES	\$67,181.00	Eastside Equipment LLC dba Simone C
0003	000.23.31 00 00	Earthwork & Utilities BP5 - BULLETIN 12 - PREP SUBGRADE	\$28,835.00	Eastside Equipment LLC dba Simone C
0004	000.23.31 00 00	Earthwork & Utilities BP5 - BULLETIN 12 - CONCRETE	\$162,863.00	Eastside Equipment LLC dba Simone C
0005	000.23.31 00 00	Earthwork & Utilities BP5 - BULLETIN 12 - ALLOWANCE 3" STONE UNDER PLAY SURFACE	\$17,589.00	Eastside Equipment LLC dba Simone C
0006	000.23.26 00 00	Electrical BP5 - BULLETIN 12 - ELECTRICAL CONDUIT STUB FOR FUTURE USE	\$3,000.00	Green Line Electric, LLC
0007	000.23.31 00 00	Earthwork & Utilities BP5 - BULLETIN 12 - FENCING	\$64,052.00	Eastside Equipment LLC dba Simone C
0008	000.23.31 00 00	Earthwork & Utilities BP5 - SITEWIDE LANDSCAPING ALLOWANCE ADD	\$100,000.00	Eastside Equipment LLC dba Simone C
0009	Y.07.00 09 25	Contingency - BP5 PH2	\$49,197.00	Contingency (Clark)
0010	Z.06.00 13 12	CM Field General Conditions BP5 PH2 2%	\$9,839.00	Clark Construction Company
0011	Z.06.00 10 00	ECC - CM Fee Budget 2%	\$9,839.00	Clark Construction Company

PCO NO. 0857 - ECC - Bulletin #12

Total Amount 560,845.00

Livonia PS 2021 Bond - 21-2867

PAGE 2

Total Amount 560,845.00

If you have any questions regarding this Potential Change Order Request, please call me at your earliest convenience.

If the above item(s) meet with your approval, please issue a Change Order for the appropriate amount to the Contractor whose name appears above.

Respectfully,

CLARK CONSTRUCTION COMPANY

CLARK ESTIMATE



LIVONIA PUBLIC SCHOOLS
**EARLY CHILDHOOD
CENTER**

PCO Review



Lead Estimator: Bud Provenzano

January 09, 2024



PROJECT COST SUMMARY

Livonia Public Schools
 Livonia Early Childhood Center
 Livonia

BOND ITEM	BOND ITEM UNIT	BOND ITEM COST/UNIT (Direct Trade Cost Only)	DIRECT TRADE COST
001 001 - Site	444,241 GSF	\$ 0.86 /GSF	\$ 381,059
Subtotal Bond Items:	72,000 GSF	\$ 5.29 /GSF	\$ 381,059

Design / Estimate Contingency (%)	Design / Estimate Contingency (\$)	Bid Contingency	Construction Contingency (%)	Construction Contingency (\$)	Escalation \$	COVID-19 \$	General Conditions \$	CM Fee	TOTAL COST (Including GC's and Contingencies)	Bond Value w/ GC's	Bond Contingency	Bond Budget	Variance (\$)	Variance (%)
0.00%	\$ -	-	0.00%	\$ -	-	\$ -	2.00%	0.00%	388,680	\$ -	-	\$ -	\$ 388,680	#DIV/0!
	\$ -	-		\$ -	-	\$ -	7,621	\$ -	388,680	\$ -	-	\$ -	\$ 388,680	#DIV/0!

Area Summary	Cost	Cost / Area
001 - Site	\$381,059	\$0.00
Subtotal Direct Cost	GSF	\$381,059
		\$0.00 /GSF

001 - SITE

ITEM NO.	DESCRIPTION	QTY	UOM	UNIT PRICE	TOTAL COST	COST / AREA
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A SUBSTRUCTURE

A10 FOUNDATIONS					\$45,685	\$0.00
A1010 Standard Foundations					\$45,685	\$0.00
0032	Excavate Foundations	124.03	cuyd	\$26.50	\$3,287	\$0.00
0033	Backfill Foundations - Imported Engineered Fill	89.36	cuyd	\$40.34	\$3,605	\$0.00
0034	Form and Strip Footings	149.76	sqft.	\$17.49	\$2,619	\$0.00
0035	Strip Footing Rebar @ 75 lbs. per c.y.	0.52	tons	\$2,650.00	\$1,378	\$0.00
0036	Place Concrete - Strip Footings	13.87	cuyd	\$371.00	\$5,145	\$0.00
0037	Haul Excavated Material Off-Site	124.03	cuyd.	\$12.72	\$1,578	\$0.00
0038	Form and Strip Foundation Wall - Moderate	768.00	sqft.	\$19.88	\$15,264	\$0.00
0039	Foundation Wall Rebar @ 100 lbs. per c.y.	0.89	tons	\$2,650.00	\$2,356	\$0.00
0040	Place Concrete - Foundation Wall	17.78	cuyd	\$371.00	\$6,596	\$0.00
0041	Foundation Drainage, 6"	104.00	Inft	\$37.10	\$3,858	\$0.00

Subtotal A SUBSTRUCTURE					\$45,685	\$0.00
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G BUILDING SITEWORK

G10 SITE PREPARATION					\$39,577	\$0.00
G1022 Site Demolition & Relocation					\$1,928	\$0.00
0042	Demo 24" Culvert- Includes Backfill	79.52	Inft	\$24.24	\$1,928	\$0.00
G1031 Site Grading Excavation					\$28,610	\$0.00
0043	Excavate Wetland Muck - Export	704.54	cuyd.	\$20.96	\$14,767	\$0.00
0044	Infill Playground Wetland - Existing Matl.	899.00	cuyd.	\$14.50	\$13,032	\$0.00
0045	Free Draining 21AA Natural Stone	16.00	cuyd.	\$50.71	\$811	\$0.00
G2030 Pedestrian Paving					\$8,852	\$0.00
0046	Gravel Base 21AA Limestone	139.95	cuyd.	\$63.25	\$8,852	\$0.00
G2050 Landscaping					\$187	\$0.00
0047	Geotextile Fabric	949.03	sqft	\$0.20	\$187	\$0.00
G20 SITE IMPROVEMENTS					\$256,037	\$0.00
G2030 Pedestrian Paving					\$89,333	\$0.00
0048	Concrete Walks, 4"	11,450.96	sqft	\$6.51	\$74,565	\$0.00
0049	Integral Curb	570.91	Inft	\$20.55	\$11,734	\$0.00
0050	Fine Grade Site	11,450.96	sqft	\$0.27	\$3,035	\$0.00
G2041 Fences & Gates					\$139,341	\$0.00
0051	Ornamental Fence 5' High	621.33	Inft	\$200.58	\$124,623	\$0.00

001 - SITE

ITEM NO.	DESCRIPTION	QTY	UOM	UNIT PRICE	TOTAL COST	COST / AREA
0052	Ornamental Gates (wrought iron look), 5' High x 3'-0 Wide	2.00	each	\$3,245.36	\$6,491	\$0.00
0053	Ornamental Gates (wrought iron look), 5' High x 6'-0 Wide	2.00	each	\$4,113.63	\$8,227	\$0.00
G2047 Playgrounds & Playing Fields					\$8,822	\$0.00
0054	Concrete Vertical Curb Edging Around Playground	168.86	Inft	\$52.25	\$8,822	\$0.00
G2050 Landscaping					\$18,541	\$0.00
0055	Import & Place 4" Topsoil	200.57	cuyd.	\$25.11	\$5,037	\$0.00
0056	Hydroseed	16,410.23	sqft	\$0.35	\$5,786	\$0.00
0057	Landscape Edging - Steel	949.03	Inft	\$7.51	\$7,129	\$0.00
0058	Stone Mow Strip 24" Wide	11.72	cuyd.	\$50.24	\$589	\$0.00
G30 SITE MECHANICAL UTILITIES					\$39,761	\$0.00
G3030 Storm Sewer					\$39,761	\$0.00
0059	Storm, 06" HDPE, Perf. w/ Sock	489.21	Inft	\$19.54	\$9,559	\$0.00
0060	12" ADS N-12 Pipe	367.66	Inft	\$51.05	\$18,769	\$0.00
0061	Cleanout Yard (YCO)	10.00	each	\$298.22	\$2,982	\$0.00
0062	24" Nyloplast Structure	4.00	each	\$2,112.60	\$8,450	\$0.00
Subtotal G BUILDING SITEWORK					\$335,375	\$0.00

TOTAL 001 - SITE					\$381,059	\$0.00
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Assumptions, Clarifications and Exclusions

This estimate is based on drawings dated 12/20/2023 and specifications dated

by TMP Architecture

CONTRACTOR ACTUAL PRICE

Extra Work Pricing Breakdown

Project: Livonia - ECC

Order: 24016 - 23501E

Date: January 19, 2024

Description of Work:

Bulletin 12 - Muck Wetland & Haul Dirt & Fill Wetland:

- Muck out existing wetland and haul slop to the berm area to be spread out.
- Fill area with suitable fill to bring the wetland ditch and surrounding area to sub grade elevation.
- Update site layout and grading file with SITECH.

Labor	Qty	Time (hours)	Rate	Extended Cost
Operating Engineer Frm.	1	40	s \$93.46	\$3,738.40
Operating Engineer	3	40	s \$86.74	\$10,408.80
Laborer	1	40	s \$65.38	\$2,615.20
				Labor Total: \$16,762.40
Equipment	Qty	Unit	Rate	Extended Cost
CAT 320 Excavator	40	Hours	\$140.00	\$5,600.00
CAT D6T Dozer	40	Hours	\$180.00	\$7,200.00
CAT IT28 Loader	40	Hours	\$110.00	\$4,400.00
CAT Site Truck	40	Hours	\$200.00	\$8,000.00
				Equipment Total: \$25,200.00
Subcontractors	Qty	Unit	Rate	Extended Cost
SITECH	1	Lsum	\$1,500.00	\$1,500.00
				Subcontractor Total: \$1,500.00
				Subtotal: \$43,462.40
Overhead and Profit on Simone Work (10.0%)				\$4,196.24
Overhead and Profit on Subcontracted Work (5.0%)				\$75.00
Bond Cost for Additional Work (1.5%)				\$716.00
Total Price:				\$48,449.64

Extra Work Pricing Breakdown

Project: Livonia - ECC
Order: 24009 - 23501E
Date: January 29, 2024

Description of Work:

Bulletin 12 Utility Work:

- Install new 4" perforated HDPE storm with associated Tee's (80 LF).
- Install new 6" perforated HDPE storm (489 LF).
- Install new 6" cleanouts (9 EA).
- Install new 24" nyloplast catch basin (4 EA).
- Install new 12" N-12 storm pipe (366 LF).
- Install new 60" precast concrete structure (1 EA).
- New layout & staking of new utilities by Nederveld.

Labor	Qty	Time (hours)	Rate	Extended Cost
Operating Engineer	2	40	\$86.74	\$6,939.20
Laborer Frm.	1	40	\$69.76	\$2,790.40
Laborer	3	40	\$65.38	\$7,845.60
Labor Total:				\$17,575.20

Material	Qty	Unit	Rate	Extended Cost
4" Perferated HDPE Pipe	80	LF	\$2.15	\$172.00
4" ADS Tap Tee	2	EA	\$31.45	\$62.90
6" Perferated HDPE Pipe	489	LF	\$2.48	\$1,212.72
6" WYE	4	EA	\$33.36	\$133.44
6" Clean-Out Assembly	9	EA	\$436.90	\$3,932.10
24" Nyloplast Catch Basin	4	EA	\$1,997.89	\$7,991.56
5' Dia Catch Basin	1	EA	\$2,950.00	\$2,950.00
1040 Frame & Cover	1	LS	\$550.00	\$550.00
Brick and Mortar	1	LS	\$365.00	\$365.00
12" N-12 Pipe	366	LF	\$10.66	\$3,901.56
Class II Sand	400	TN	\$13.64	\$5,456.00
6A Limestone	50	TN	\$27.96	\$1,398.00
Tax (6%)				\$1,673.42
Material Total:				\$29,563.80

Equipment	Qty	Unit	Rate	Extended Cost
CAT 325 Excavator	40	Hours	\$150.00	\$6,000.00
CAT 950 Loader	40	Hours	\$140.00	\$5,600.00
Equipment Total:				\$11,600.00



Subcontractors	Qty	Unit	Rate	Extended Cost
Nederveld	1	Trip	\$1,500.00	\$1,500.00
Subcontractor Total:				\$1,500.00
Subtotal:				\$60,239.00
Overhead and Profit on Simone Work (10.0%)				\$5,873.90
Overhead and Profit on Subcontracted Work (5.0%)				\$75.00
Bond Cost for Additional Work (1.5%)				\$992.82
Total Price:				\$67,180.72

Extra Work Pricing Breakdown

Project: Livonia - ECC
Order: 24017 - 23501E
Date: January 31, 2024

Description of Work:

Bulletin 12 - Prepare Subgrade:

- Prepare subgrade for all areas inside perimeter fencing to -4" below finish grade elevation.
- Prepare sidewalks to subgrade. Subbase by others.
- Prepare synthetic turf areas to subgrade. Subbase beneath turf by others.
- Prepare rubber surface areas to subgrade. Subbase beneath rubber surface by others.
- Prepare mulch area to subgrade. Mulch and peastone by others.

Labor	Qty	Time (hours)	Rate	Extended Cost
Operating Engineer Frm.	1	32	\$93.46	\$2,990.72
Operating Engineer	2	32	\$86.74	\$5,551.36
Laborer	1	32	\$65.38	\$2,092.16
Labor Total:				\$10,634.24

Equipment	Qty	Unit	Rate	Extended Cost
CAT 320 Excavator	32	Hours	\$140.00	\$4,480.00
CAT D6T Dozer	32	Hours	\$180.00	\$5,760.00
CAT IT28 Loader	32	Hours	\$110.00	\$3,520.00
Equipment Total:				\$13,760.00

Subcontractors	Qty	Unit	Rate	Extended Cost
Nederveld (Layout)	1	Lsum	\$1,500.00	\$1,500.00
Subcontractor Total:				\$1,500.00

Subtotal: \$25,894.24

Overhead and Profit on Simone Work (10.0%) \$2,439.42

Overhead and Profit on Subcontracted Work (5.0%) \$75.00

Bond Cost for Additional Work (1.5%) \$426.13

Total Price: \$28,834.79

Description of Work:

Bulletin 12 - Turf Subbase Alt:

- Prepare subgrade of the turf areas with 4G modified (4,260 SF).

Bulletin 12 R1 - Pricing Breakdown

Project: Livonia - ECC
 Order: 24026 - 23501E
 Date: February 1, 2024

Description of Work:

Item CD-4 ~ Concrete:

- Excavate and backfill for bridge footing and walls
- Install bridge footings (64 Inft)
- Install brdge walls (64 Inft)
- Furnish and install reinforcing steel for walls and footings (2.25 tons)
- Setting of fence embeds in walls (16 units)
- Install base for sidewalks
- Revise sidewalk (original 1,870 sqft, 11,105 sqft revised, 9,235 sqft net add)
- Turndown edge at playsurface integral to sidewalk (675 Inft)
- Playsurface curb (301 Inft)

Labor Foundation	Qty	Time (hours)		Rate	Extended Cost
Operating Engineer	1	24	s	\$86.74	\$2,081.76
Carpenter Frm.	1	48	s	\$94.80	\$4,550.40
Carpenter	2	48	s	\$87.41	\$8,391.36
Laborer	2	48	s	\$65.38	\$6,276.48
Labor Flatwork					
Operating Engineer	1	64	s	\$86.74	\$5,551.36
Concrete Finisher Frm.	1	64	s	\$87.80	\$5,619.20
Concrete Finisher	3	64	s	\$81.81	\$15,707.52
Laborer	3	64	s	\$65.38	\$12,552.96
Labor Total:					\$60,731.04

Material	Qty	Unit		Rate	Extended Cost
Concrete	197	cuyd		\$144.00	\$28,368.00
2024 concrete escalator	197	cuyd		\$7.00	\$1,379.00
Environmental Charge	26	lsum		\$40.00	\$1,040.00
Footing forms & bracing	224	Inft		\$1.50	\$336.00
Keyway	64	Inft		\$0.95	\$60.80
Sidewalk forms	416	Inft		\$0.95	\$395.20
Sidewalk playscape forms	675	Inft		\$2.85	\$1,923.75
Wall forms & bracing	816	sqft		\$5.11	\$4,169.76
Wall ties	120	each		\$4.17	\$500.40
Reinforcing steel	2.25	tons		\$1,600.00	\$3,600.00
Reinforcing steel detailing	12	hrs		\$155.00	\$1,860.00
Reinforcing steel epoxy	0.75	tons		\$2,400.00	\$1,800.00
Brick supports	36	each		\$0.50	\$18.00
Dowel bar safety caps	132	each		\$1.67	\$220.44
Expansion Paper & Cap	620	Inft		\$0.62	\$384.40
21AA Limestone	269	tons		\$25.04	\$6,735.76
Cureing compound	55	gal		\$11.80	\$649.00

Tax (6%) \$3,167.49

Material Total: **\$55,959.00**

Equipment	Qty	Unit	Rate	Extended Cost
Skid Steer	48	hrs	\$115.00	\$5,520.00
Mini Excavator	16	hrs	\$115.00	\$1,840.00
Excavator	24	hrs	\$140.00	\$3,360.00
Loader	24	hrs	\$130.00	\$3,120.00
Saw cut saw	48	hrs	\$24.50	\$1,176.00

Equipment Total: **\$15,016.00**

Subcontractor	Qty	Unit	Rate	Extended Cost
Engineer wall drawings	1	lsum	\$4,750.00	\$4,750.00
Engineered layout	1	lsum	\$3,040.00	\$3,040.00
Concrete pump	1	day	\$1,788.00	\$1,788.00
Sandblasting	1	lsum	\$3,000.00	\$3,000.00
Joint Sealant	1	lsum	\$2,260.00	\$2,260.00

Subcontractor Total: **\$14,838.00**

Subtotal: \$146,544.04

Overhead and Profit on Simone Work (10.0%) \$13,170.60

Overhead and Profit on Subcontracted Work (5.0%) \$741.90

Bond Cost for Additional Work (1.5%) \$2,406.85

Concrete Price: \$162,863.39

D.C. Byers CO., INC.
14495 E 8 Mile Road
Warren, MI 48089
Ph: (313)875-0545
Fax: (313)875-6579

Date: 1-5-2024
Project: Livonia ECC

Bulletin #12 Proposal

The undersigned proposes to furnish all materials and necessary equipment and perform all labor necessary to complete the following work:

Section Sandblast

Furnish materials, equipment and labor to provide a light sandblast finish to the exposed concrete faces of the retaining walls as shown in the retaining wall details on C5.5.....Add.....\$3,000.00

Section 321373 Concrete Paving Joint Sealants

Furnish and install Dow 888 a silicone sealant at the added exterior concrete expansion joints. Quote includes removing zip cap and cleaning.....Add.....\$2,360.00

Exclusions:

- Winter or weather protection
- Permits, inspections or testing agencies
- Patching and crack repair not listed above
- Dewatering, demucking and drying of substrate
- Any sandblasting not listed above

The D.C. Byers Company agrees to carry worker's compensation and public liability insurance and to pay all taxes on material and labor furnished under this contract as required by federal laws and the laws of the state in which this work is performed.

Respectfully submitted, D.C. Byers Company., Inc

By: _____
Brenda Nelson, Estimator



**CONSULTING
GROUP**

January 5, 2024

Mr. Ric Giles
Estimator / Project Manager
Simone Companies
51268 Fischer Park Drive
Shelby Township, Michigan 48316

RE: Proposal for Engineering Design Services
Livonia Public Schools – Early Childhood Center
Play Structure Retaining Wall
18000 Newburgh Road
City of Livonia, Wayne County, Michigan
G2 Project No. 243007

Dear Mr. Giles:

This letter will serve as our proposal and agreement to perform engineering design services related to a proposed retaining wall to be constructed in association with the proposed Early Childhood Center development at the above address in the City of Livonia, Michigan.

The overall project includes the development of the site for a new Early Childhood Center. As part of the project, a play area will be constructed to the southwest of the proposed building. Within the play area, two retaining walls will be constructed to support a pedestrian bridge crossing over a below grade space between the two retaining walls. The retaining walls will hold approximately 5 feet of earth and the pedestrian bridge will span approximately 7 feet. We understand the proposed retaining walls will be constructed with structural concrete. Our proposal is related to the analysis and design of the proposed retaining walls as well as the development of plans and specification for construction of the retaining walls.

Our understanding of the proposed project is based on our review of the document titled “Bulletin No. Twelve (12) – Livonia Public Schools – Early Childhood Center” dated December 20, 2023 by TMP Architecture. Please note, our design efforts will be geared toward the development of plans and specifications for a system of structural concrete retaining walls. If you wish to have the design performed using an alternative building material (e.g. cement masonry units or modular block) please let us know. We present this proposal based on our review of the project drawings, our conversations, and our experience with similar engineering design projects.

SCOPE OF SERVICES

A G2 Consulting Group, LLC (G2) professional engineer, licensed in the State of Michigan, will act as the Project Manager and direct the performance of the engineering design services. Our proposed scope of services will consist of the following items:



Engineering Design Services

1. We will review pertinent soil boring data developed in the G2 Geotechnical Investigation Report titled "Proposed Dickinson Early Childhood Center Building Addition" dated June 28, 2022. We will develop geotechnical parameters for use in the design of the retaining wall. Considering the symmetry of the proposed structure, we will develop detailed calculations for one cross section along the proposed retaining wall alignment.
2. We will provide construction engineering drawings, plotted to 11" x 17" paper stamped by a licensed professional engineer in the State of Michigan including the proposed retaining wall geometry, steel reinforcement details, placement of other materials, and specifications for construction. We will provide a digital copy of the signed and sealed construction drawings in the Portable Document Format (PDF).

PROFESSIONAL FEES AND SCHEDULE

We propose to perform the services outlined in this agreement for a lump sum fee of **\$4,750.00**. Our lump sum fee includes the Scope of Services described above and one (1) response to comments. Our lump sum fee does not include additional meetings or consultations. If additional work is required, we will perform the additional work in accordance with the enclosed Fee and Rate Schedule. Should you or field conditions require additional work, beyond the Scope of Services listed in this proposal, we will contact your office with an estimate and obtain your permission prior to performing those services. We estimate the Scope of Services described above can be completed within 12 to 15 business days following the notice to proceed from the client.

TERMS AND CONDITIONS

General conditions relating to the performance of our services are presented in the attached General Conditions and are made part of this proposal. As authorization to proceed, please have one copy of this proposal executed by an authorized representative of the party responsible for payment of services and return it to G2 Consulting Group, LLC. A signed copy of this proposal must be received before work is initiated. If you prefer to issue a separate purchase order or other written authorization, please reference this proposal as part of the contract documents. The prices discussed in this proposal remain valid for a period of 60 days from the date of this proposal. After 60 days, we reserve the right to revise our prices.

(This space has been intentionally left blank.)

We appreciate the opportunity to be of service to you and look forward to working with you on this project. If you have any questions regarding our proposed scope of services or any other matter pertaining to the project, please do not hesitate to call.

Sincerely,

G2 Consulting Group, LLC



Michael G. Dagher, P.E.
Project Engineer

MGD/MLE/mle

Encl: Fee Schedule
General Conditions



Michael L. Evans, P.E.
Project Manager

ACCEPTED FOR SIMONE COMPANIES:

BY: _____

DATE: _____

MIDTOWN CONCRETE COST



Proposal

MIDTOWN GROUP LLC
 5650 W. Jefferson
 Detroit, MI 48209
 (313) 924-1939

Date: January 25, 2024
 Quotation #
 Customer ID

Quotation valid until: February 25, 2024
 Prepared by:

Submitted To:
 Clark Construction
 Attn: Oliver Rice

Project: Livonia ECC Bulletin 12

Furnish Labor, Material, Equipment & Supervision to Provide the Following:

S/N	Item	Quantity	Units	Amount
Complete Concrete Work Per Bid Documents Provided:				
Workscope: Site				
1)	Provide base/grade & compact pavement base within .1' for all site & flatwork			
2)	Construct formwork and bracing; Includes excavation for footings.			
3)	Place embeds where required (supplied by others).			
4)	Place reinforcement where required.			
5)	Place all work items using approved project concrete mixes.			
6)	Apply standard white pigmented curants for all exterior work.			
7)	Expansion paper & joint sealant as req			
8)	Sawcut control joints.			
9)	Clean up work areas and remove job spoils.			
10)	Includes staking and layout			
	Site			
	4" sidewalk; 4" pavillion pad; Stoop caps	10851	SF	
	Thickened edge where sidewalk meets play surfaces	648	LF	
		Lump sum for walk		\$ 111,766
	Curb @ play surfaces	301	LF	
		Lump sum for curb		\$ 10,526
	Retaining wall per detail, lightly sand blast finish	64	If	
	Engineering done by others. Back fill and drain tile from grade by others.	Lump Sum for Retaining wall		\$ 71,746
<p>Notes/Exclusions: Excludes any work not explicitly stated above. Excludes Permits, Utility location, testing, inspection, and bond fees; prevailing wage rates, restorations; premium working hours; winter fees; barricading and traffic control; winter costs; site staking; shop drawings; engineering services; and protection from vandalism. Excludes flashing, colored or decorative concrete, polished or sealed concrete, high tolerance floor specs, high performance coatings, removal of contaminated spoils, removal and backfill of underground obstructions, hand digging for underground utilities.</p>				

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Payment to be made as follows: Progressive Draws

TOTAL \$194,038

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workers Compensation insurance.

Acceptance of Proposal - The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance: _____

**Authorized Signature
 (Contractor)**

Matthew Cosby
 MIDTOWN GROUP LLC

**Authorizing Signature
 (Owners Agent)**

VOID - SIMONE
 CONCRETE COST
 IS LESS

Jim Kaiser

From: Gregory Abb <abb1@icloud.com>
Sent: Wednesday, January 31, 2024 10:21 AM
To: Jim Kaiser
Subject: Fwd: ECC - Conduit rough into playground area

Thank you,

Greg Abb
Green Line Electric, LLC
9278 General Drive Suite 200
Plymouth MI 48170
734-335-7066
abb1@icloud.com

Begin forwarded message:

From: Gregory Abb <abb1@icloud.com>
Subject: Re: ECC - Conduit rough into playground area
Date: January 31, 2024 at 9:57:23 AM EST
To: Oliver Rice <ORice@clarkcc.com>

\$3,000

Thank you,

Greg Abb
Green Line Electric, LLC
9278 General Drive Suite 200
Plymouth MI 48170
734-335-7066
abb1@icloud.com

ELECTRICAL
ESTIMATE

\$3,000 IS AN
ESTIMATE -
ACTUAL PRICE
WILL BE
DETERMINED ONCE
ALL UNFORSEEN
CONDITIONS ARE
RESOLVED. IF
THERE IS A PRICE
DIFFERENCE A
SEPARTATE PCO
WILL BE ISSUED

On Jan 26, 2024, at 1:45 PM, Oliver Rice <ORice@clarkcc.com> wrote:

Greg,

Do you have an estimate for sending a conduit to the playground area? Estimate for now is fine we just need it for budget approval, won't hold you to the dollar value.

Thanks,

[<C2_signature_clark-b-stack-wtag-2c-rgb-e1622729471957_3a3867e4-2e4a-4903-9c00-a0ca106d5722.png>](#)

Oliver Rice
Project Engineer

[c +19543833788](tel:+19543833788)

ORice@clarkcc.com | clarkcc.com

Lansing | Auburn Hills | Alpena | Grand Rapids

[<C2_signature_in_b009ffba-f5d3-47e4-a1f1-](#)

[007ec32f243e.png>](#) [<C2_signature_f_e8b1990c-92b5-4280-882c-](#)

[8319fe6d3b85.png>](#) [<C2_signature_ins_caba3721-bbf3-4cbc-a79f-](#)

[cd2a391fe8b3.png>](#)

[<C2_signature_marketingbanner-email_792be36c-c22d-4a69-b9b8-933ae813e5ad.jpg>](#)

American Fence Pricing Breakdown Rev 1

Project: Livonia - ECC
 Order: 24010 - 23501E
 Date: January 30, 2024

Description of Work:

Bulletin 12 - Fencing & Railings Rev 1:
 - Furnish & Install 54" high Echelon Plus Majestic 3-rail fence, including 3 4'-wide gates as well as 3 6'-wide gates
 (See Attached)

Subcontractor	Qty	Unit	Rate	Extended Cost
American Fence	1	Isum	\$60,100.00	\$60,100.00
Subcontractor Total:				\$60,100.00
Subtotal:				\$60,100.00

This is the low fencing bidder - all following prices are void - for information only.

Overhead and Profit on Subcontracted Work (5.0%) \$3,005.00
 Bond Cost for Additional Work (1.5%) \$946.58

American Fencing Total Price: \$64,051.58

Bulletin 12 - Fencing & Railings Rev 1:
 - Add for decorative rings.

Subcontractor	Qty	Unit	Rate	Extended Cost
American Fence	1	Isum	\$11,400.00	\$11,400.00
Subcontractor Total:				\$11,400.00
Subtotal:				\$11,400.00

Decorative rings will not be included per LPS

Overhead and Profit on Subcontracted Work (5.0%) \$570.00
 Bond Cost for Additional Work (1.5%) \$179.55

American Add Total Price: \$12,149.55

American Fence Total Price: \$76,201.13

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Amanda Zomerfield
 Simone Companies
 51268 Fischer Park Dr.
 Shelby Twp., MI 48316
 Phone: (586) 254-0690
 Fax:
 Cell: (248) 390-8359
 Email: amanda@simonecompanies.com

Date: Monday, January 29, 2024
 Estimator: Giles Crouch
 Estimator Email: gcrouch@amerifence.com
 Expiration Date: Thursday, February 08, 2024
 Terms: Net 30; 1.5% per month on past due invoices.

Project Name:		LIVONIA PUBLIC SCHOOLS - EARLY CHILDHOOD CENTER (BULLETIN 12 - REV)		
We Propose to furnish all labor and material necessary to perform the following work:				
QTY	UNIT	Description	Unit Price	Total
Base Bid				
605	LN/FT	Furnish & install 54"H Echelon Plus Majestic 3-rail fence, black		
3	EACH	Furnish & install 54"H x 4"W Echelon Plus Majestic 3-rail gate, black		
3	EACH	Furnish & install 54"H x 6"W Echelon Plus Majestic 3-rail gate, black		\$60,100.00
Alternate Bid				
605	LN/FT	Furnish & install 54"H Echelon Plus Majestic 3-rail with rings fence, black		
3	EACH	Furnish & install 54"H x 4"W Echelon Plus Majestic 3-rail with rings gate, black		
3	EACH	Furnish & install 54"H x 6"W Echelon Plus Majestic 3-rail with rings gate, black		\$71,500.00
Due to the interruption in material distribution, and manufacturing supply chains, goods and services may be delayed without notice.				
Escalation clause to be included in contract verbiage, and the ability to bill for stored materials.				
All payments made to AFS using a credit card will incur a 3.5% processing fee.				
Unforeseen digging conditions will incur additional charges				
Repairing, or replacing unmarked under drains will not be the responsibility of AFS				
Retention excluded when invoicing for stored materials.				
SEE ABOVE TOTALS				

Terms and Conditions

- All contracts shall reference these terms and conditions as part of the contract.
- All field employees are 10 hour OSHA trained and certified.
- All work shall be performed using Non-Union / Non-Davis Bacon / Non-Prevailing Wage rate labor.
- American Fence shall notify 811 one call utility locating system prior to digging.
- An approved shop drawing must be received prior to fabrication.
- All posts set prior to concrete flat work, coring is additional.
- All posts shall be set in concrete footings.
- American Fence holds no responsibility for any privately owned lines which are not marked.
- All access controls by others, or additional upon request.
- All electric, control wiring, and conduit runs by others.
- Locating, layout and staking of fence lines are by others.
- Grounding by others.
- Clean up of excavated dirt excluded.
- Excludes all clearing, grubbing, & grading.
- Bonds excluded.
- Local building permits excluded.
- Price excludes everything associated with traffic management.
- Due to the volatility in the construction materials market, our prices contained herein remain firm for a period of 10 days from our proposal date.

Thank you for the opportunity to earn your continued business and remain as your single source for all your fencing needs. Please feel free to contact me with any questions or requests.

Sincerely,

Giles Crouch

Future Fence Pricing Breakdown

Project: Livonia - ECC
Order: 24010 - 23501E
Date: January 30, 2024

Description of Work:

Bulletin 12 - Fencing & Railings Rev 1:

- Furnish & Install 4'6" high 3-rail ornamental fence, including 3 3'-wide gates as well as 3 6'-wide gates
 (See Attached)

Subcontractor	Qty	Unit	Rate	Extended Cost	
Future Fence	1	lsum	\$67,578.00	\$67,578.00	
					Subcontractor Total: \$67,578.00
					Subtotal: \$67,578.00
					Overhead and Profit on Subcontracted Work (5.0%) \$3,378.90
					Bond Cost for Additional Work (1.5%) \$1,064.35
					Future Fence Total Price: \$72,021.25

Bulletin 12 - Fencing & Railings Rev 1:

- Add for decorative rings.

Subcontractor	Qty	Unit	Rate	Extended Cost	
Future Fence	1	lsum	\$10,105.00	\$10,105.00	
					Subcontractor Total: \$10,105.00
					Subtotal: \$10,105.00
					Overhead and Profit on Subcontracted Work (5.0%) \$505.25
					Bond Cost for Additional Work (1.5%) \$159.15
					Future Fence Add Total Price: \$10,769.40
					Future Fence Total Price: \$82,790.66

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FFC FUTURE FENCE COMPANY

PROPOSAL 24-0115

TO: Simone Companies
 51268 Fischer Park Drive
 Shelby Township, MI 48316

PROJECT: Livonia Early Childhood Center Bulletin #12

LOCATION: Livonia, MI

ATTN: Amanda Zomerfield
DATE: January 30, 2024

PHONE: 586-254-0690
FAX: 586-254-5756

SCOPE OF WORK:

E-MAIL: amanda@simonecompanies.com

QTY	DESCRIPTION	COST
676 3 3	<p>Base Bid: (NO rings) Linear feet of 4 foot 6 inch high decorative 3-rail ornamental fence 6 foot wide x 4 foot 6 inch high decorative 3-rail ornamental double swing gates (manual) 3 foot wide x 4 foot 6 inch high decorative 3-rail ornamental single swing gates (manual)</p> <p><i>*rings are NOT included on fence panels or gates*</i></p>	\$67,578.00
676 3 3	<p>Option #1: (YES rings) Linear feet of 4 foot 6 inch high decorative 3-rail ornamental fence 6 foot wide x 4 foot 6 inch high decorative 3-rail ornamental double swing gates (manual) 3 foot wide x 4 foot 6 inch high decorative 3-rail ornamental single swing gates (manual)</p> <p><i>*rings are included on fence panels or gates*</i></p>	\$77,683.00
	<p>Notes: 1% Bond Not included Quoted as per request emailed (01-19-2024 @ 3:18 PM) *Bulletin #12* Quoted as per layout / details on Sheet C5.1, C5.2 and C5.5 No 'prevailing' wage requirements are included. If required then additional charges will apply. Posts set prior to flatwork. No coring is included. If required then additional charges will apply. Dirt spoils moved to somewhere on-site, not off-site. If required off-site then additional charges will apply. Private Utility Locate, if required, by others. Site restoration, if required, by others. Removals, if required, by others or additional upon request. Lead time for shop drawings is (1-2) weeks after approved fence proposal. Lead time for material and labor is (7-9) weeks after approved shop drawings.</p>	

We propose to furnish material and/or labor, complete in accordance with the plans and specifications, except as noted above, including tax if applicable for the sum of **AS SHOWN ABOVE**

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ESTIMATOR: Jason Gautz - Estimator/Procurement Manager

Direct Line 586-825-9127

Email: JasonGautz@futurefencecompany.com

NOTE: This proposal may be voided by us if not accepted within 5 days. Future Fence reserves the right to revise our pricing based on documents not in possession at time of bid. This includes but is not limited to drawings, specifications, addenda and contracts.

CONDITIONS: Unforeseen digging conditions such as, but not limited to: old building foundations, excessive brick or rocks, unstable soil which collapses and hand digging more than 5 holes are subject to additional charges. Future Fence Company is not responsible for damage to private utilities. This includes site electric, irrigation, gas and other private utilities that may be present. Owner to locate private utilities or additional cost upon request.

ACCEPTANCE OF PROPOSAL: The prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment Terms: Net 30 days unless otherwise noted.

Signature: _____

Date: _____

Printed Name: _____

Nationwide Pricing Breakdown Rev 1

Project: Livonia - ECC
Order: 24010 - 23501E
Date: January 30, 2024

Description of Work:

Bulletin 12 - Fencing & Railings Rev 1:

- Furnish & install 4' high Ameristar aluminum fence including 3 - 4' wide man gates, 2 - 7' wide swing gates, and 1 - 12' wide double swing gate (See Attached).

Subcontractor	Qty	Unit	Rate	Extended Cost	
Nationwide	1	Isum	\$73,856.00	\$73,856.00	
				Subcontractor Total:	\$73,856.00
				Subtotal:	\$73,856.00
				Overhead and Profit on Subcontracted Work (5.0%)	\$3,692.80
				Bond Cost for Additional Work (1.5%)	\$1,163.23
				Nationwide Fencing Total Price:	\$78,712.03

Bulletin 12 - Fencing & Railings Rev 1:

- Add for decorative circles.

Subcontractor	Qty	Unit	Rate	Extended Cost	
Nationwide	1	Isum	\$12,000.00	\$12,000.00	
				Subcontractor Total:	\$12,000.00
				Subtotal:	\$12,000.00
				Overhead and Profit on Subcontracted Work (5.0%)	\$600.00
				Bond Cost for Additional Work (1.5%)	\$189.00
				Nationwide Add Total Price:	\$12,789.00
				Nationwide Total Price:	\$91,501.03

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Corporate Office - 69951 Lowe Plank Road, Richmond, MI 48062
Mailing Address - PO Box 458, Richmond MI 48062
Phone (586) 749-6900 | Fax (586) 749-6900
www.nationwide-companies.com

1-20-24

Attn: Joe Rubino

Simone

Re: Fence Quote-Livonia Public Schools ECC Bulletin #12-revised

Nationwide Construction Group respectfully submits the following quote to furnish and install the following at the above referenced location:

@ 710 lft 4' high Ameristar Echelon Plus commercial ornamental aluminum fence with three rails per layout on plan sheets C5.1 and C5.2, and details on SH C5.5. Price to include 3-4' wide man gates 2-7' wide double swing gates and 1-12' wide double swing gate.

Total Quote \$73,856.00

Add for decorative circles Add \$12,000.00

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QUALIFIERS

1. Nationwide Const. Group is not responsible for locating, repairing or replacing any private underground utilities, sprinkler lines etc.
2. Nationwide Construction Group is a non-union company and will not enter into any type of Project Labor Agreement.
3. Payment terms N30 days
4. Any clearing, grading or staking of fence and or property line to be done by others.
5. All material, tax and labor included.

6. Any unforeseen conditions below grade which hinders post driving/digging operations or other unforeseen conditions will be subject to additional hourly rates.
7. Should hand digging be required due to utility conflict(s) an additional \$ 150.00 per hole will be added if conventional digging methods can be used i.e. pinch/hand diggers. Should the utility conflict require hydro excavation with a vacuum truck or any other soft excavation equipment to expose the utilities, additional charges will be applied.
8. This proposal in its entirety must be incorporated into any Subcontract Agreement between Nationwide Construction Group and the Contractor.
9. This proposal is conditioned upon acceptance of the Owner or General Contractor's Subcontract language by Nationwide Construction Group.
10. This proposal does not include DBE, MBE, WBE or any other specialty designation allowances.
11. This proposal does not include allowances for any bonds or dues.
12. This proposal is based on (**Base/Open Shop Wages**, State Prevailing Wage, Davis Bacon Wages), if different please advise.
13. This proposal is valid for a period of 30 days.
- 14. This bid, even if it includes a breakout estimate of Operator hours (whether requested by a prospective prime contractor or otherwise), is nonetheless expressly conditioned on: (i) the understanding that by submitting its bid, Nationwide is not, does not intend to be, and will not agree to be, bound by any memorandum, letter of understanding, amendment or written instrument relating to the execution or adoption, or any portion, of the April 1, 2019 Highway, Bridge and Airport Agreement with the International Union of Operating Engineers Local No. 324, AFL-CIO, particularly Article IX or any subcontracting provision of said Agreement, (ii) the inclusion of this provision in its entirety in the subcontract as a condition precedent to Nationwide accepting and executing the subcontract, (iii) the understanding that any attempt in the subcontract documents to vary from the terms of this provision will be null and void, and (iv) the understanding that in the event of a conflict between this provision and any part, term or provision of any contract document, this provision will control**

Thank you for letting us quote your project needs, if there are any questions, please do not hesitate to call me at (586) 270-2011.

Respectfully Submitted

Scott Keller, COO

RMD Holdings/dba/Nationwide Construction Group

69951 Lowe Plank Rd

Richmond , MI 48062

direct (586) 270-2011

cell (586) 295-6435

main (586) 749-6900

fax (586) 749-6909

www.nationwide-companies.com

**VOID - FOR
INFO ONLY**



Date: February 8, 2024

To: Andrea Oquist, Superintendent

From: Phillip Francis, Assistant Superintendent of District Services

Re: ECC Contingency – 2021 Bond

I would like to request adding an agenda item to the February 12, 2024 Committee of the Whole meeting for Plante Moran Realpoint, Alison Smith, and I to discuss Board approval of the reallocation of Bond contingency dollars from previous bond projects to the ECC contingency in the amount of \$950,000. This topic was discussed in great detail at the February 5, Study Session. Unspent contingency funds from completed bond projects are usually reallocated into owner's contingency, but we are recommending these be reallocated into the ECC contingency, bringing it up to approximately 10% for the project, to ensure the ECC project has an appropriate safety net, if needed.

Attachment

c: Board of Education

PF/ko

February 7, 2024

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

RE: 2021 Bond Program
Construction Contingency Approval
Early Childhood Center

Dear Mr. Francis:

This letter provides an update from Plante Moran Realpoint (PMR) on the assignment to help Livonia Public Schools (LPS) establish a construction contingency for the Project listed above. The Bond Team — collectively, PMR, Clark Construction Co., TMP Architecture, Inc., and LPS administration and staff — is recommending the Board approve additional construction contingency funds for this Project.

Historically, requests for construction contingency have ranged from 6% to 10% of the hard construction costs, varying based on the complexity, duration, and budget limitations of each of the projects. For the Early Childhood Center, a 6% (\$1,507,520) contingency was initially requested in an effort to reduce impacts on the budget. However, due to unforeseen site conditions and design challenges encountered to date, the Project's contingency will be exhausted prior to the completion of the work.

With several months of work still to be accomplished, the team is requesting additional funds in the amount of \$950,000, bringing the total project contingency to approximately 10%. The Team is recommending LPS fund this additional contingency from the reallocation of unused contingencies and reimbursable costs on previously completed projects within the bond program, as detailed below.

Unused General Conditions and Contingencies from Previously Completed Projects	
2022 General Conditions	\$225,638
2023 Construction Contingency (7%)	\$277,020
2023 General Conditions	\$184,916
LCTC Construction Contingency	\$9,884
LCTC GCs	\$95,407
Staff Furniture Contingency (IE)	\$120,501
2022 LMC Furniture Contingency (NBS)	\$66,456
2023 LMC Furniture Contingency (NBS)	\$37,085
2023 Move Management Contingency (DMS)	\$24,740
2023 Technology Contractor Contingency (AMcomm)	\$17,000
2022 Technology Contractor Contingency (DAT)	\$24,350
LCTC Technology Contractor Contingency (DAT)	\$8,000
Total	\$1,090,997

The intent is to use these funds only as necessary to complete the Project within its current intended scope. Having this additional contingency available will allow the project to avoid schedule delays should additional issues arise without the appropriate funds being available. **Any unused funds will be fully refunded to the owner’s contingency within the bond program.**

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

Sincerely,

PLANTE MORAN REALPOINT

Brian Weber
Senior Vice President



Livonia Public Schools

District Services

Date: February 8, 2024

To: Andrea Oquist, Superintendent

From: Phillip Francis, Assistant Superintendent of District Services

Re: Purchase of LMC Furniture – 2021 Bond

I am requesting that the LMC Furniture purchase from the 2021 Bond Fund be placed on the agenda for the February 12, 2024, Committee of the Whole meeting. This recommendation is for LMC furniture, excluding bookshelves, for all five schools being renovated this summer 2024: Stevenson, Holmes, Hoover, Hayes, and Roosevelt. Please recall, we previously brought the purchase for LMC bookshelves separately in December 2023 due to the anticipated longer lead times.

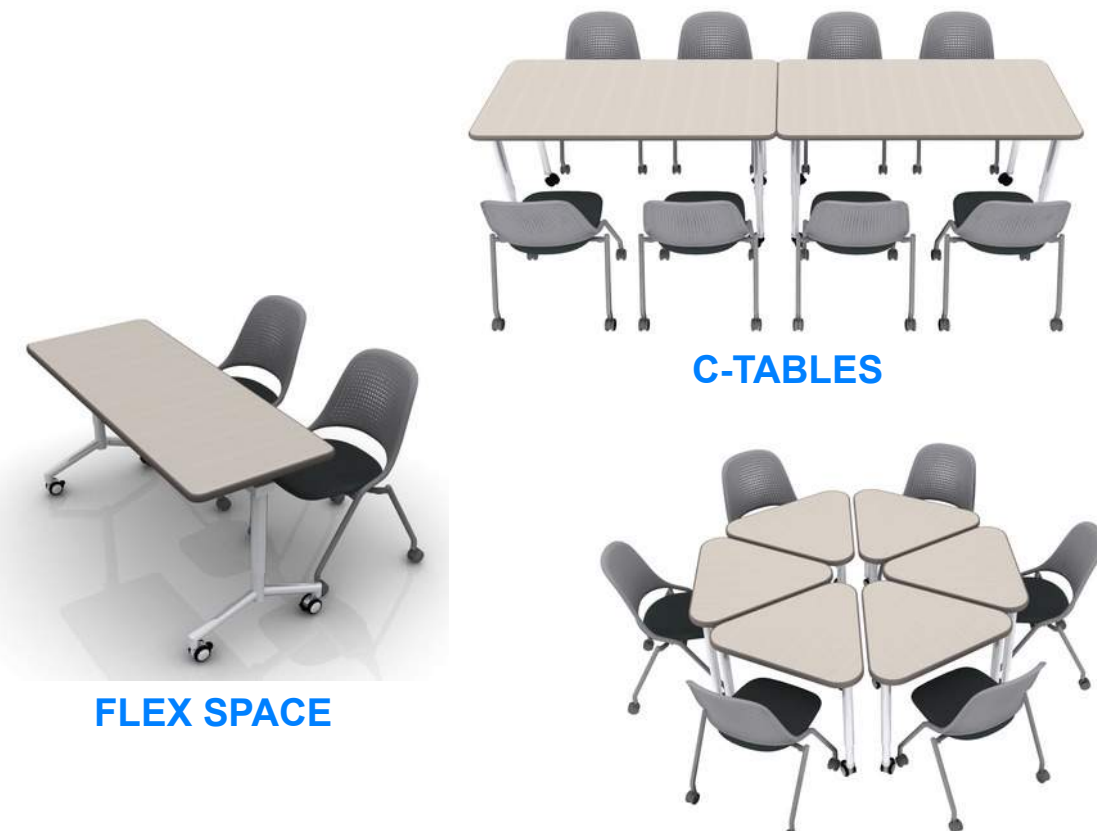
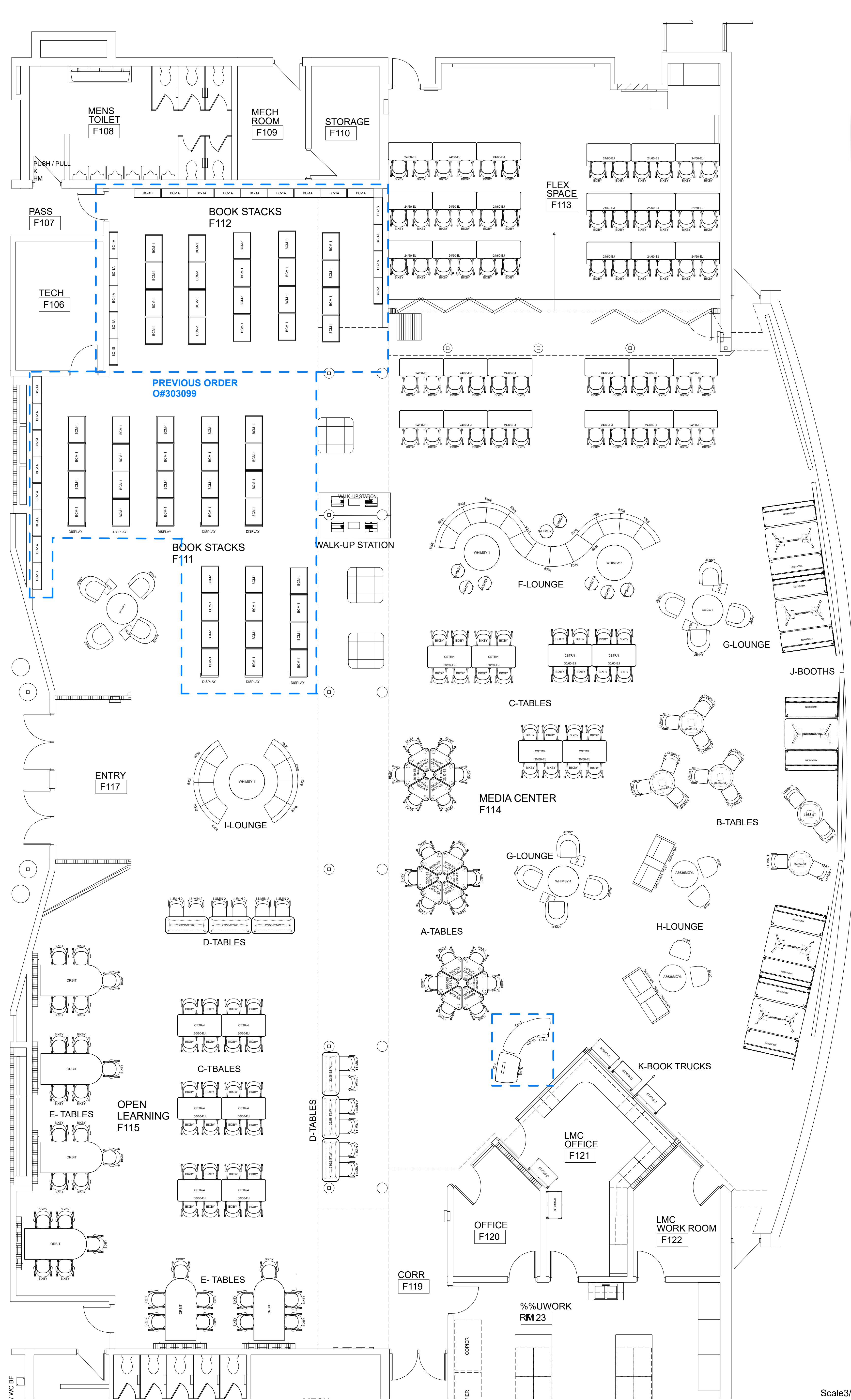
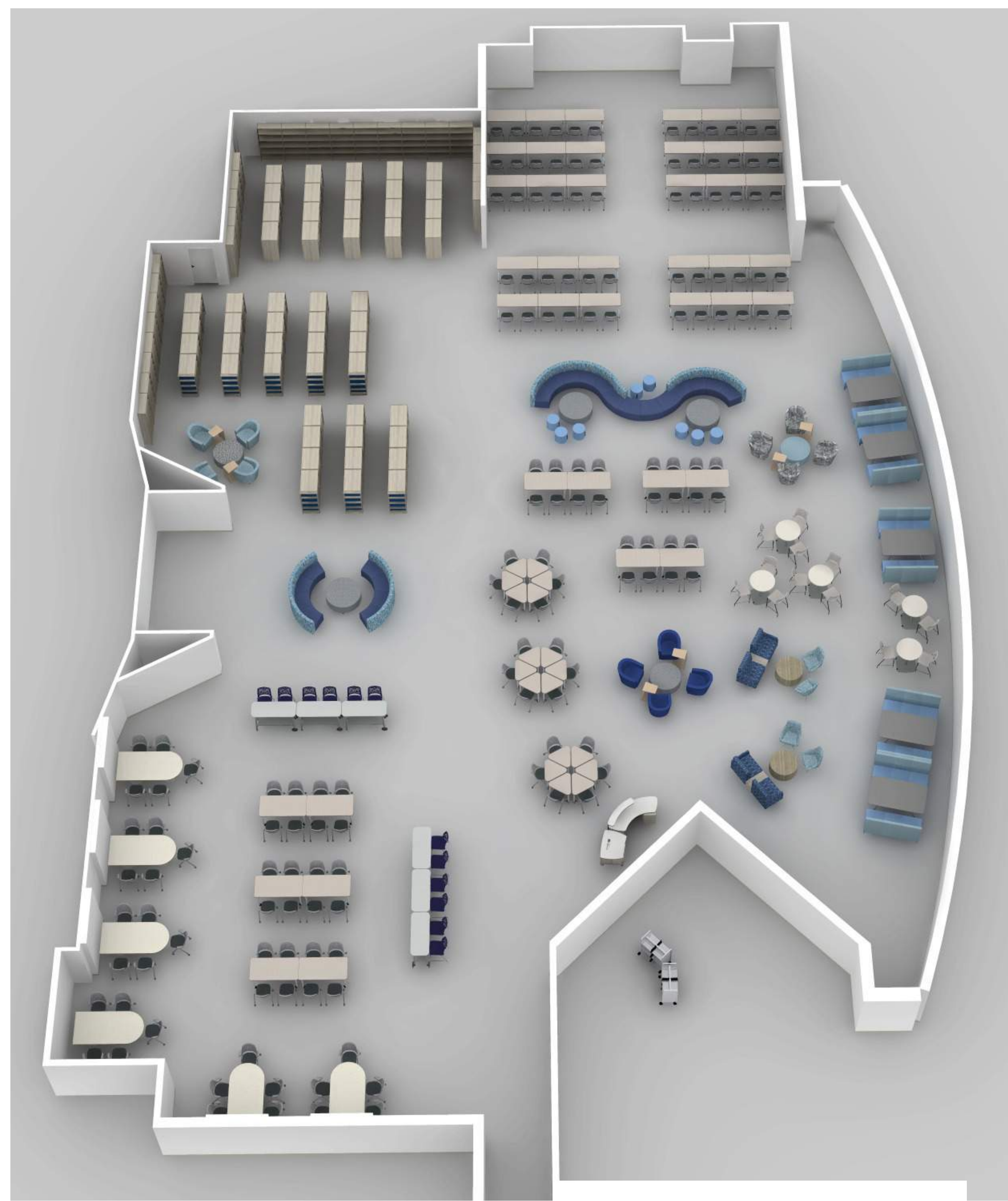
The Bond Team is recommending this purchase from NBS Commercial Interiors for procurement, delivery, and installation of LMC furniture. Attached are recommendation letters from PMR and French Associates. The recommended amount is a “not-to-exceed” total of \$872,000, which includes a 5% contingency.

NBS Commercial Interiors uses pricing from the National Cooperative Purchasing Alliance (NCPA), OMNIA Partners Cooperative Contract, The Interlocal Purchasing System (TIPS), and E&I Cooperative Services, which fulfills the Board’s obligation to bid. Please contact me if you have questions. Thank you.

Attachments

PF

c: Board of Education



C-TABLES

FLEX SPACE

ELEMENTAL TABLES + BIXBY CHAIRS



TOPS - CLASSIC LINEN-HIGH GLOSS

LEGS - PLATINUM

BIXBY CHAIRS

SEAT - STERLING DARK

BACK - PLATINUM



D-TABLES

FLEX STANDING HT. TABLE

SOI LUMIN STOOL



TOPS - ASH WENGE

BASE - PLATINUM METALLIC

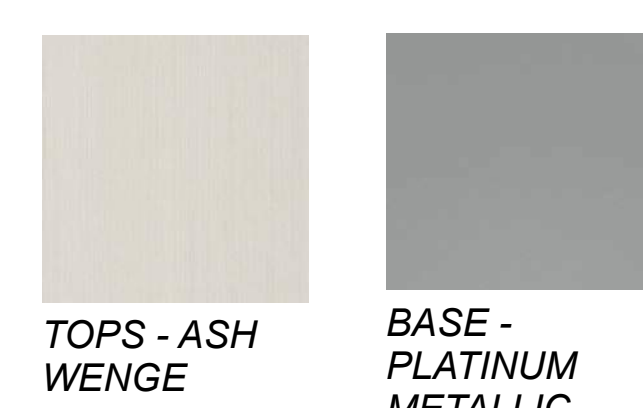
SHELL: NAVY



B-TABLES

STEELCASE ELBROOK TABLES

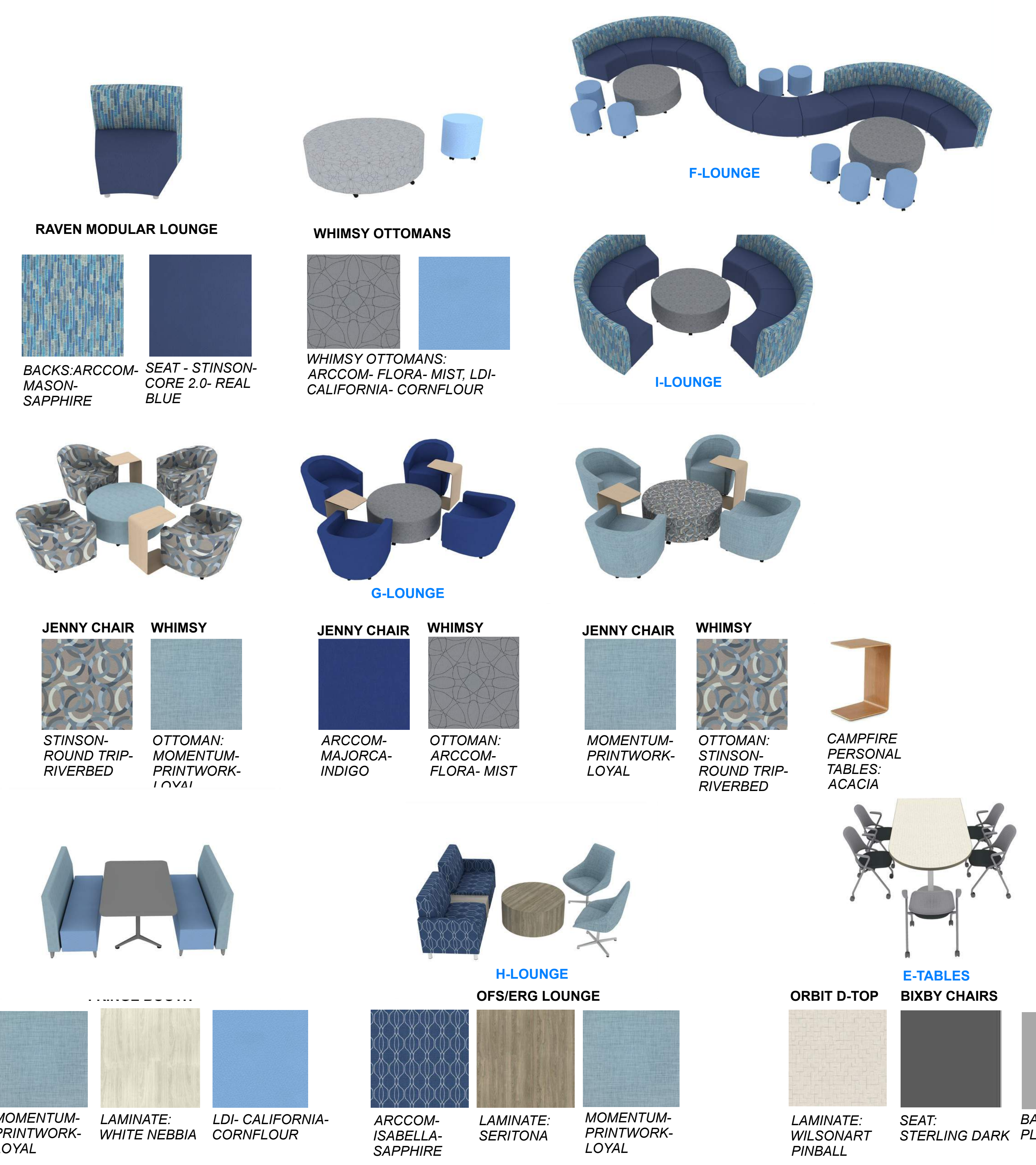
SOI LUMIN STOOL



TOPS - ASH WENGE

BASE - PLATINUM METALLIC

SHELL: STERLING



RAVEN MODULAR LOUNGE

WHIMSY OTTOMANS

I-LOUNGE

G-LOUNGE

JENNY CHAIR WHIMSY

JENNY CHAIR WHIMSY

JENNY CHAIR WHIMSY

CAMPFIRE PERSONAL TABLES: ACACIA

H-LOUNGE

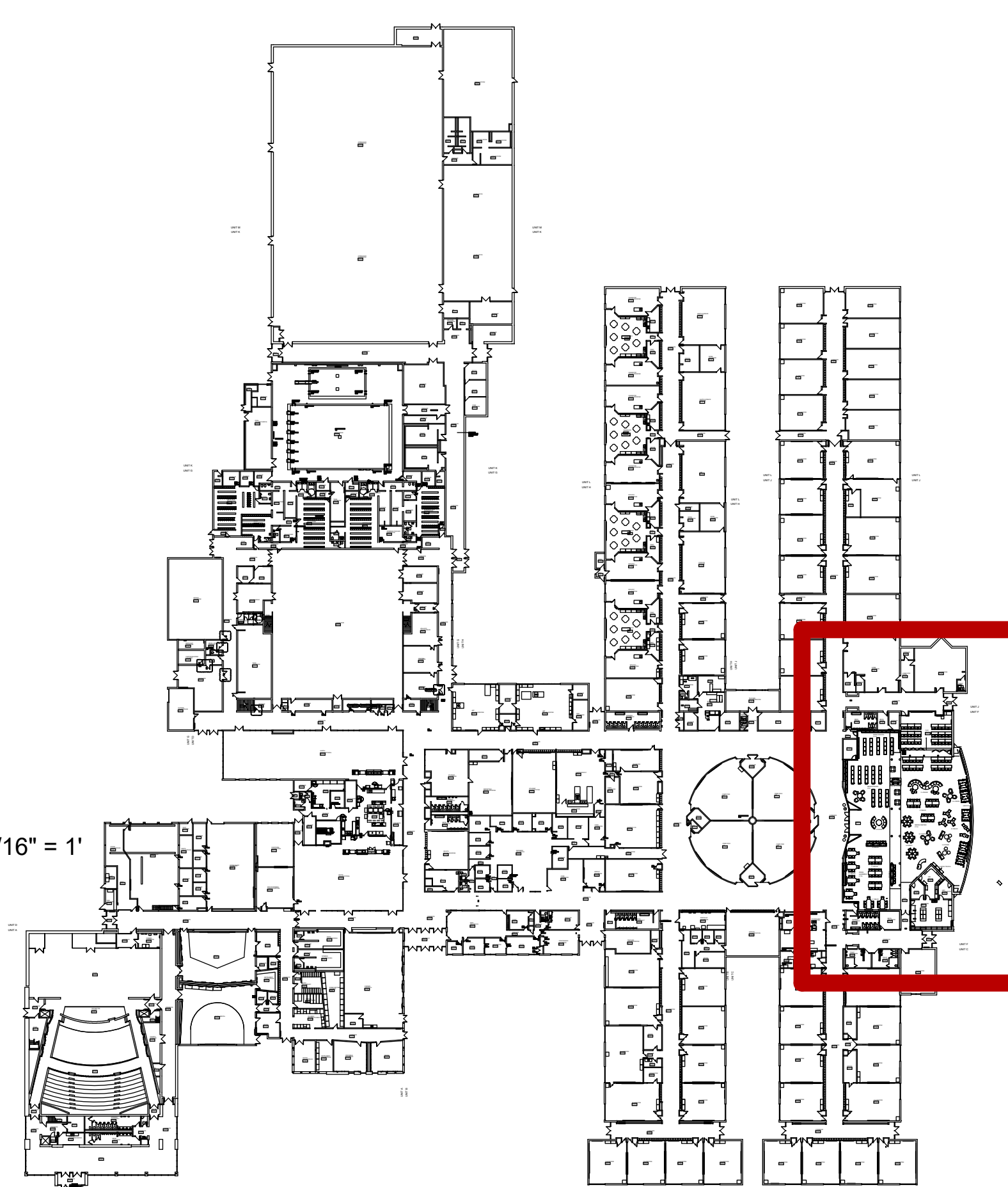
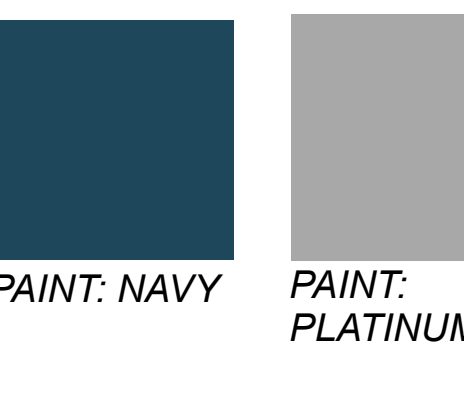
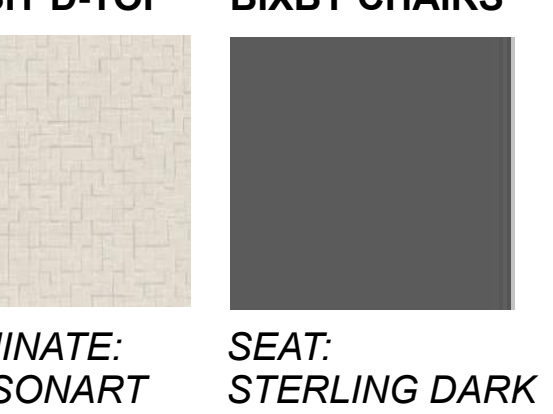
OFFS/ERG LOUNGE

ORBIT D-TOP BIXBY CHAIRS

MEIN 360 DISPLAY

SMITH BOOK TRUCK

WALK-UP STATION



KEY PLAN

**STEVENSON HS MEDIA CENTER
GROUND FLOOR
QUOTE #371712**

NEEDS SEAL:

GENERAL NOTES:
NOT FOR CONSTRUCTION
ALL STRUCTURAL, MECHANICAL & ELECTRICAL ENGINEERING IS THE RESPONSIBILITY OF OTHERS.
ALL FURNITURE & DESIGN DRAWINGS ARE IN CONFORMANCE & SUBMITTALS MAY NOT BE MADE WITHOUT THE WRITTEN APPROVAL OF NBS. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
BASE CONDITIONS ARE SUBJECT TO ANY MODIFICATIONS THAT MAY BE REQUIRED BY THE ARCHITECT OR OWNER. ALL DIMENSIONS, MATERIALS, FINISHES, AND COLORS ARE SUBJECT TO CHANGE WITHOUT NOTICE AND WITHOUT LIABILITY TO NBS.

APPROVED BY: DATE:

APPROVED APPROVED AS NOTED

1/14/24 REVIEW

1/28/24 AUDIT

OWNER: Livonia Public Schools

PROJECT: STEVENSON HS - MEDIA CENTER

33500 SIX MILE RD.
LIVONIA, MI

PROJECT FOLDER: 231581

HEDBERG ORDER #: TBD

ACCOUNT MANAGER: M. DUGAN

DESIGNER: S. MAZZARA

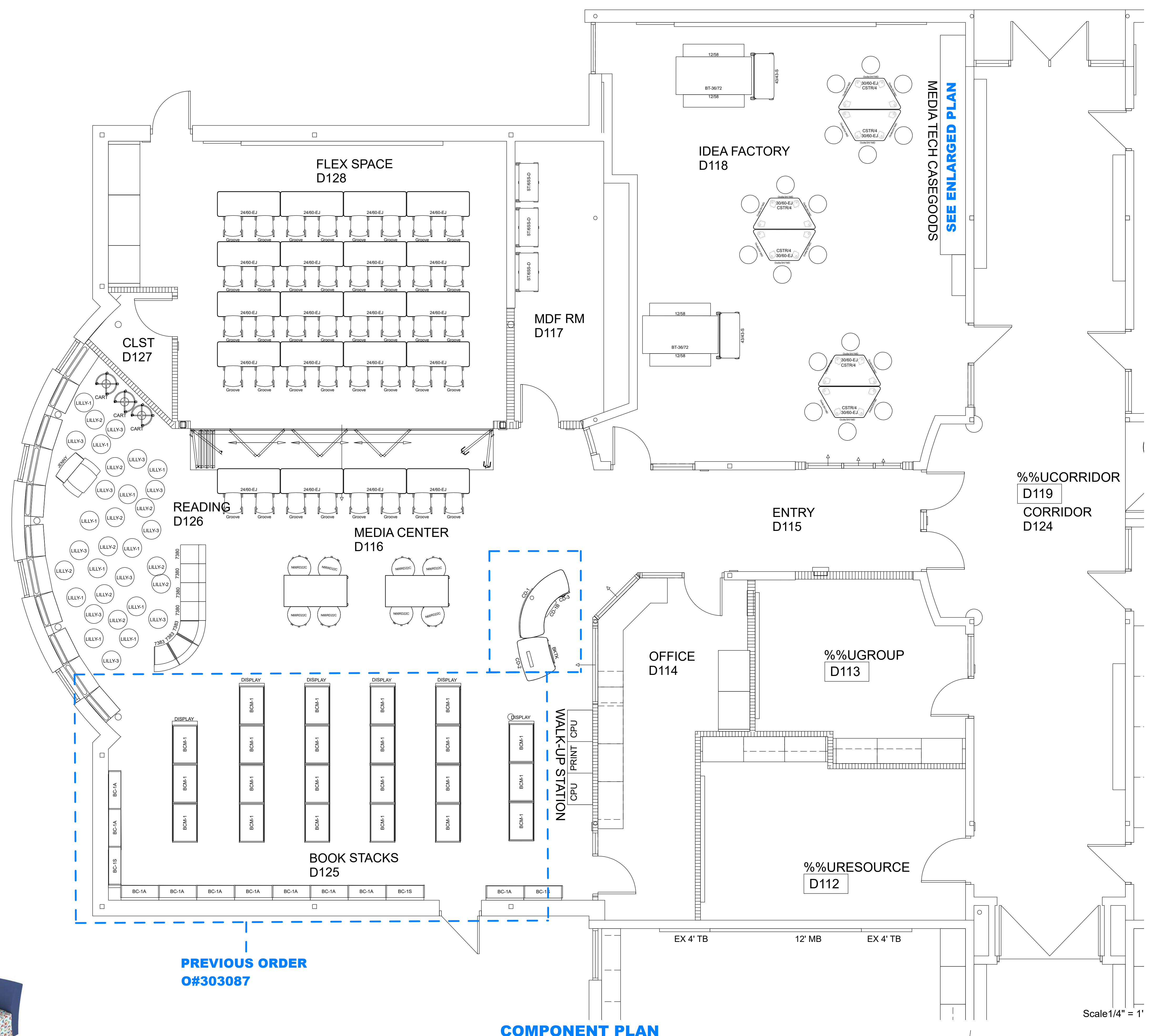
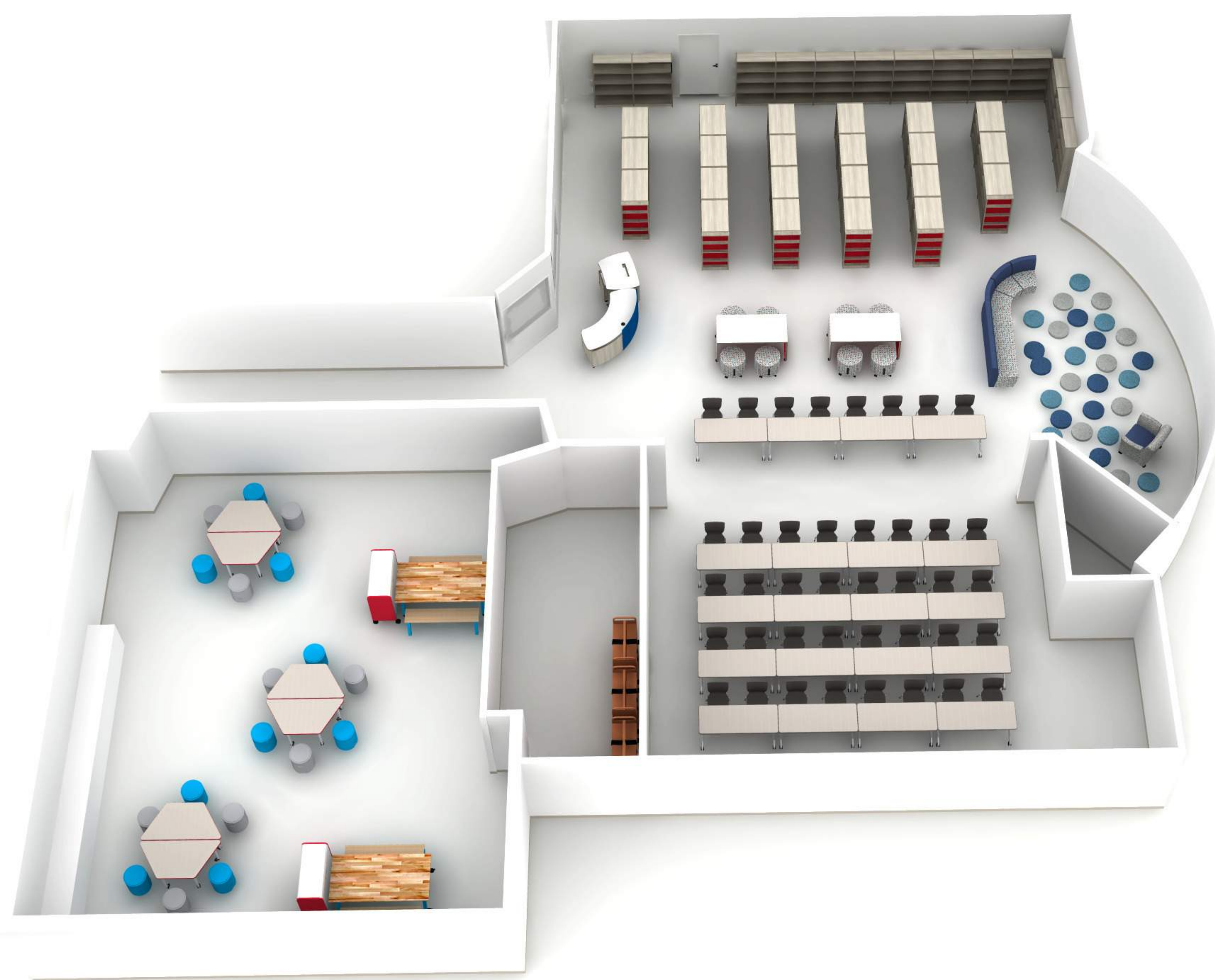
PROJECT MANAGER: M. GREEN

DRAWING:

COMPONENT PLAN

DRAWING NUMBER:

ID-3.1

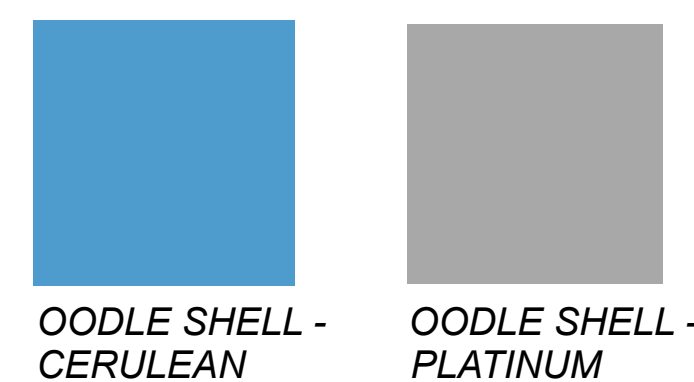


PREVIOUS ORDER
#0303087

COMPONENT PLAN

Scale 1/4" = 1'

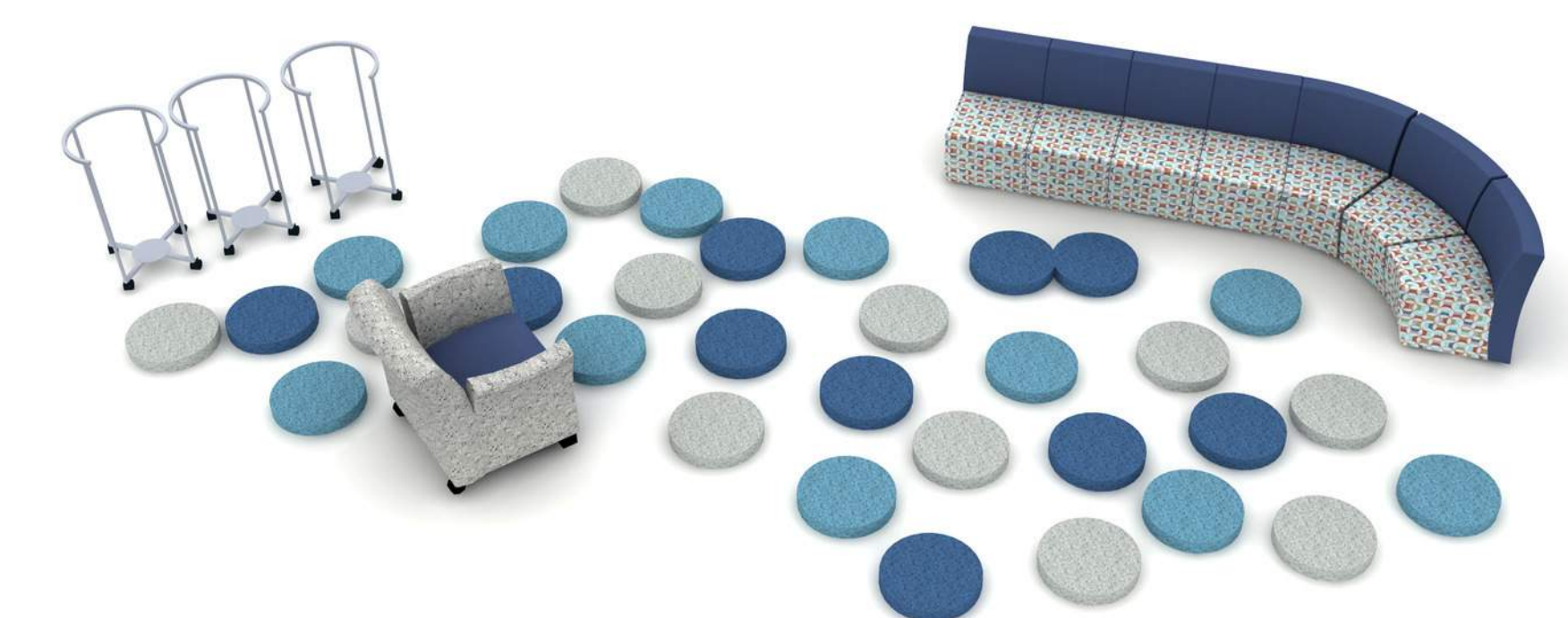
INTERCHANGE TABLES + OODLES



PLANNER TABLES + CASCADE STORAGE



READING D126



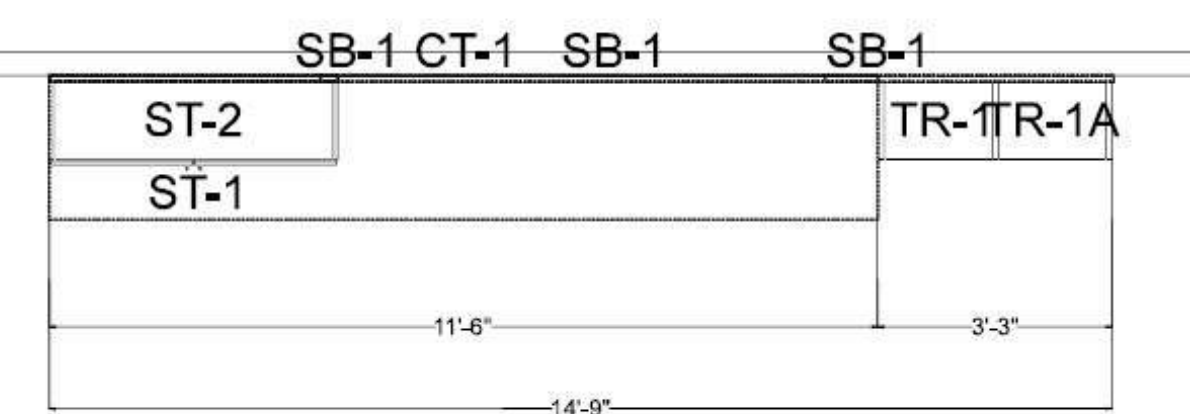
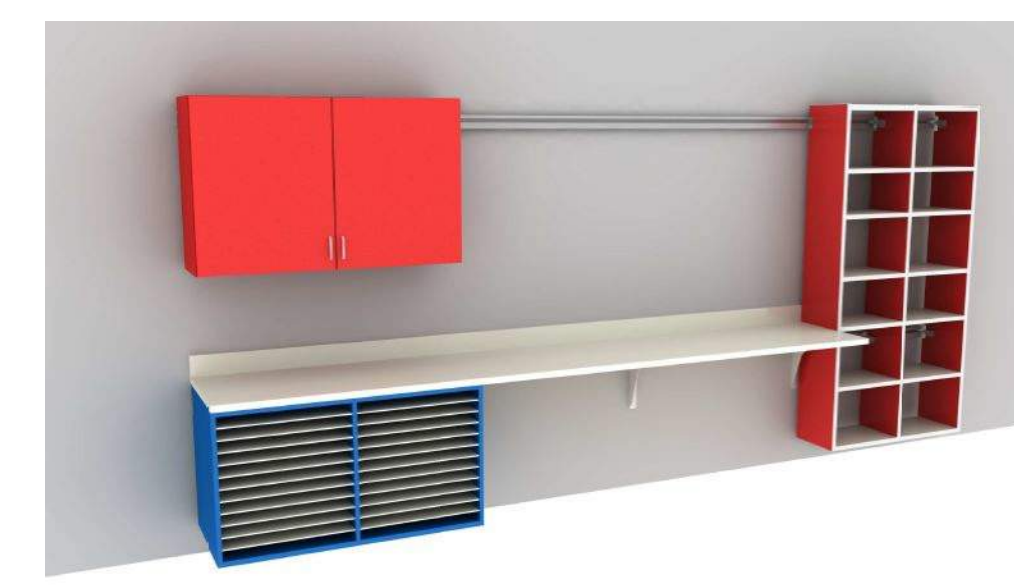
JENNY CHAIR



LILLY PADS W/ CART

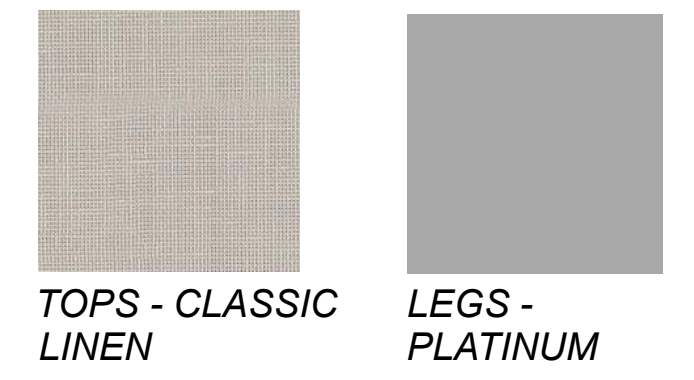


ERG BRIGHTON JR



ENLAREGD PLAN - MEDIA TECH CASEGOODS

Scale 3/8" = 1'



WHIMSY OTTOMANS

MEDIA TECH KIRBY TABLES



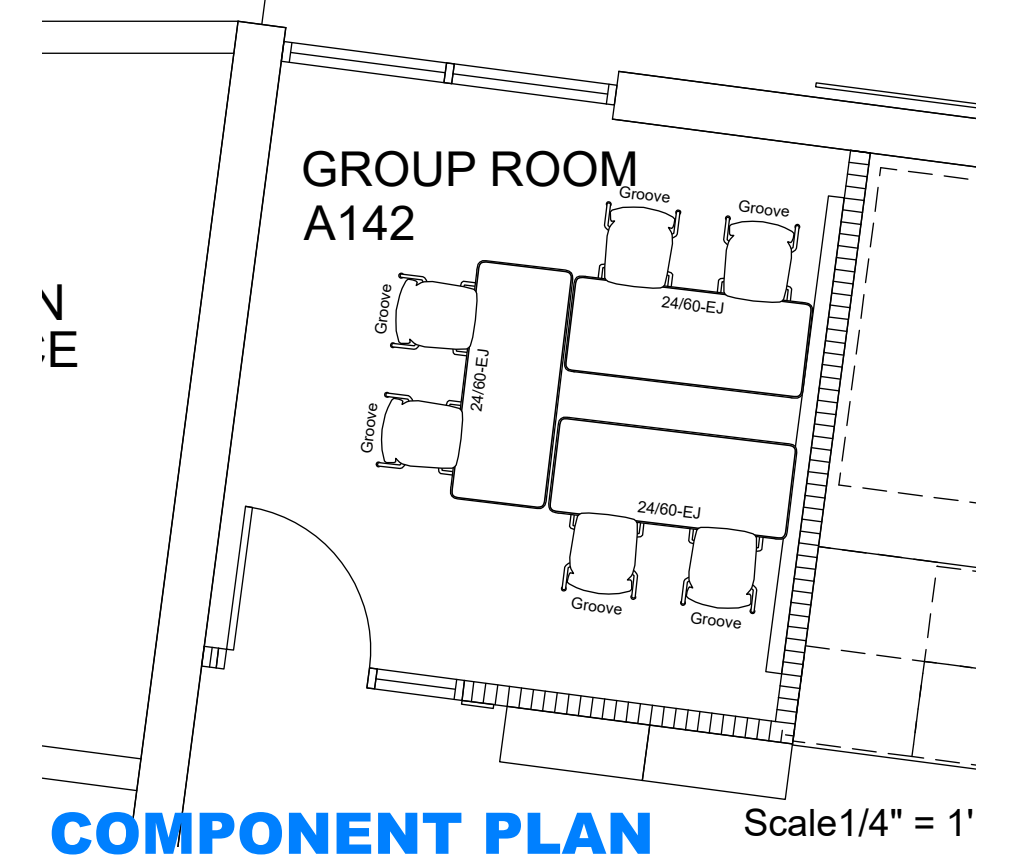
ELEMENTAL FLIP/NEST + GROOVE CHAIRS



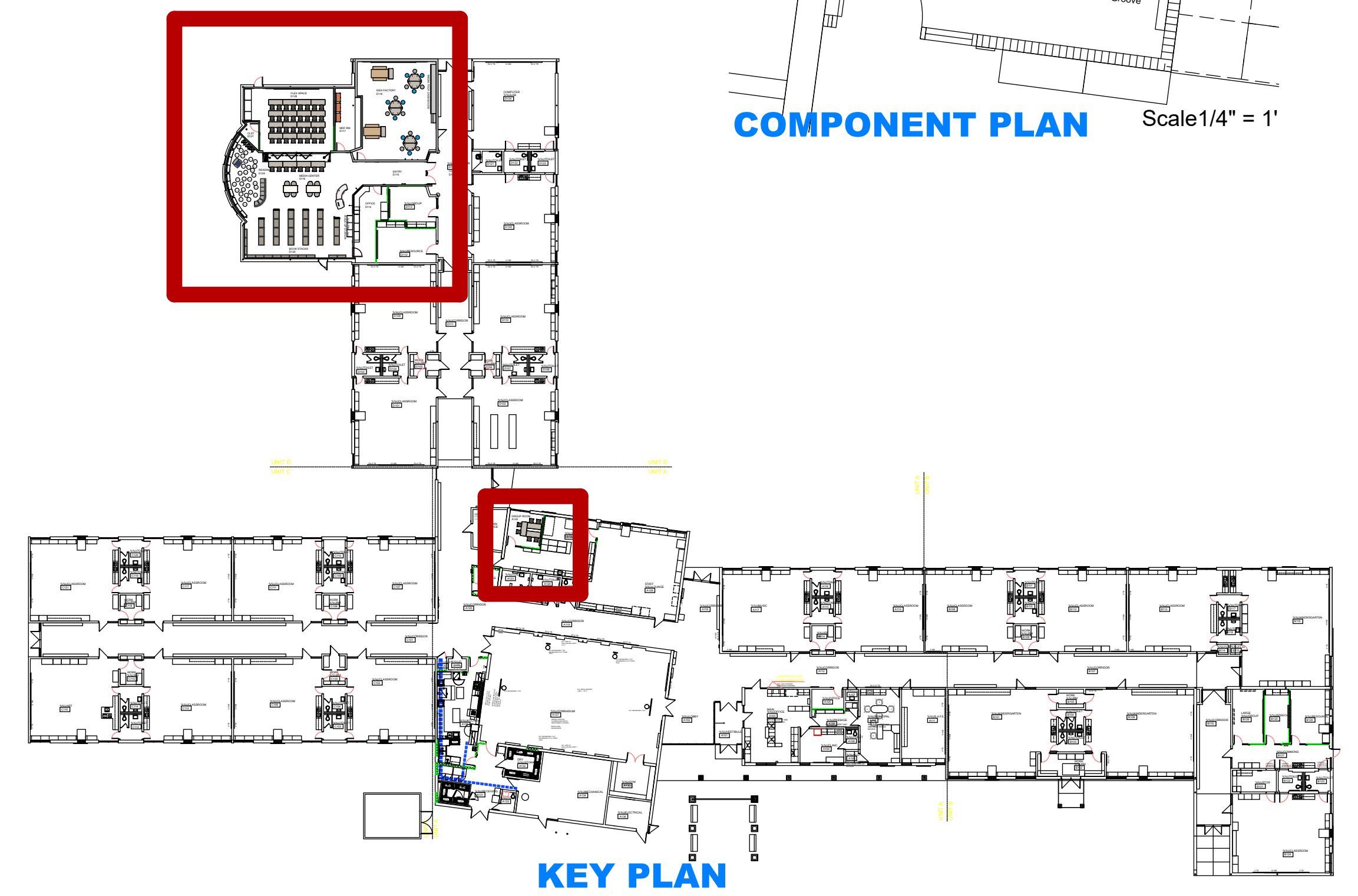
SMITH BOOK TRUCK



WALK-UP STATION



COMPONENT PLAN Scale 1/4" = 1'



KEY PLAN

GENERAL NOTES:
NOT FOR CONSTRUCTION
ALL STRUCTURAL, MECHANICAL AND ELECTRICAL ENGINEERING IS THE RESPONSIBILITY OF THE CLIENT.
ALL FURNITURE & DESIGN DRAWINGS ARE IN CONFORMANCE & SUBMITTALS SHALL BE IN ACCORDANCE WITH THE PROJECT CONTRACT AND OTHERWISE ARE HEREBY SPECIFICALLY REJECTED.
NBS COMMERCIAL INTERIORS IS NOT RESPONSIBLE FOR ANY DAMAGE TO OR LOSS OF ANY PROPERTY OR MATERIALS DUE TO CONSTRUCTION ACTIVITIES. ALL CONDITIONS, MATERIALS, METHODS, APPROVALS OR CHANGES REQUIRED FOR ANY REVISIONS ARE THE RESPONSIBILITY OF THE CLIENT.
IF NBS DOES NOT DESIGN THIS PROJECT, NBS DOES NOT ASSUME RESPONSIBILITY FOR THE DESIGN, SPECIFICATIONS, MATERIALS OR PRODUCTS BELONGING TO THIS PROJECT. NBS HAS ONLY RESPONDED TO THE PRICING REQUEST FOR THE PROJECT.

APPROVED BY: DATE:

APPROVED APPROVED AS NOTED

1/12/24 APPROVAL

01/26/24 APPROVAL

OWNER:
Livonia Public Schools

PROJECT: HAYES EL - MEDIA

30600 LOUISE CT.
WESTLAND, MI 48185

PROJECT FOLDER: 231577

HERBERG ORDER #: TBD

ACCOUNT MANAGER: M.DUGAN

DESIGNER: S.MAZZARA

PROJECT MANAGER: M.GREEN

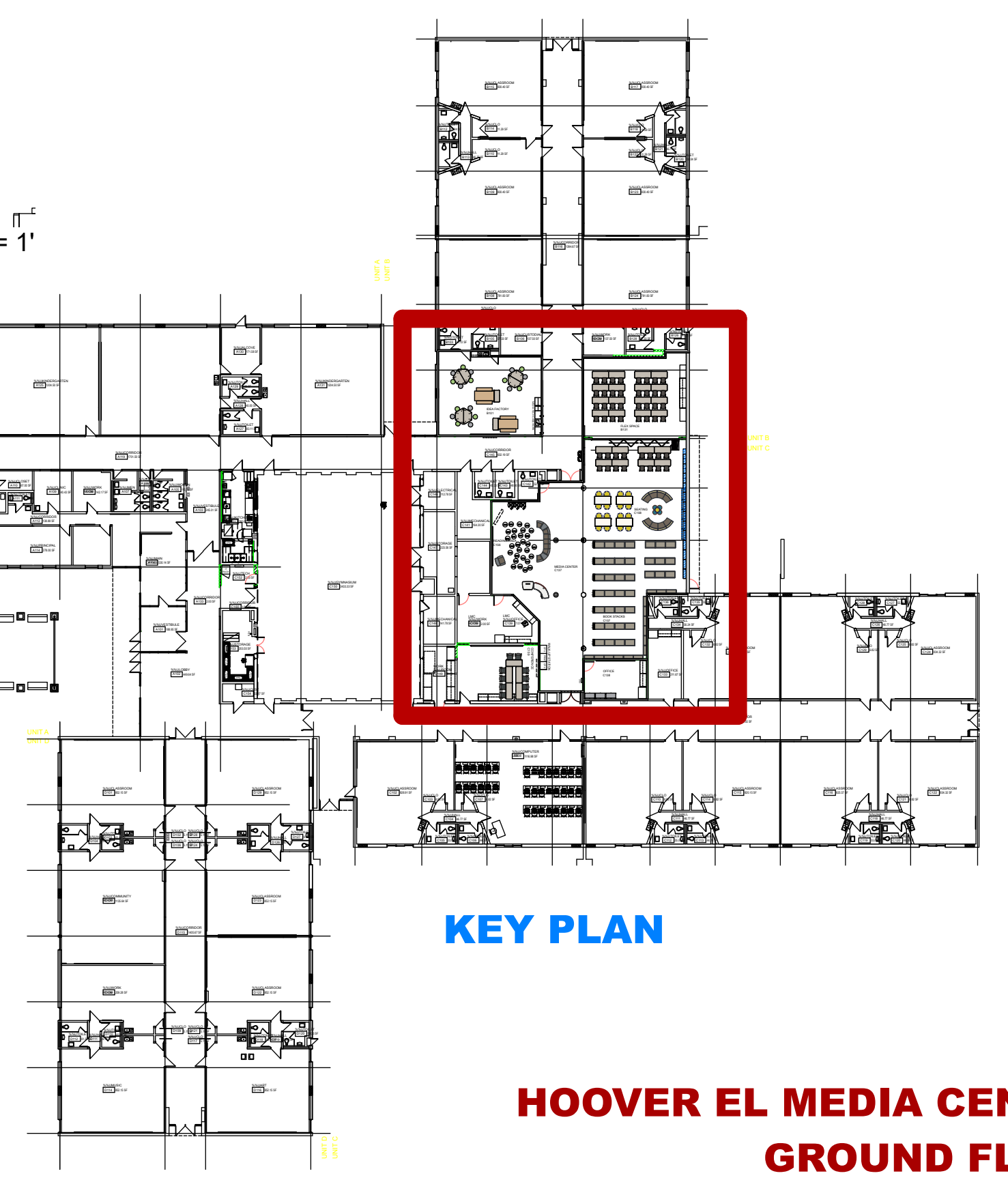
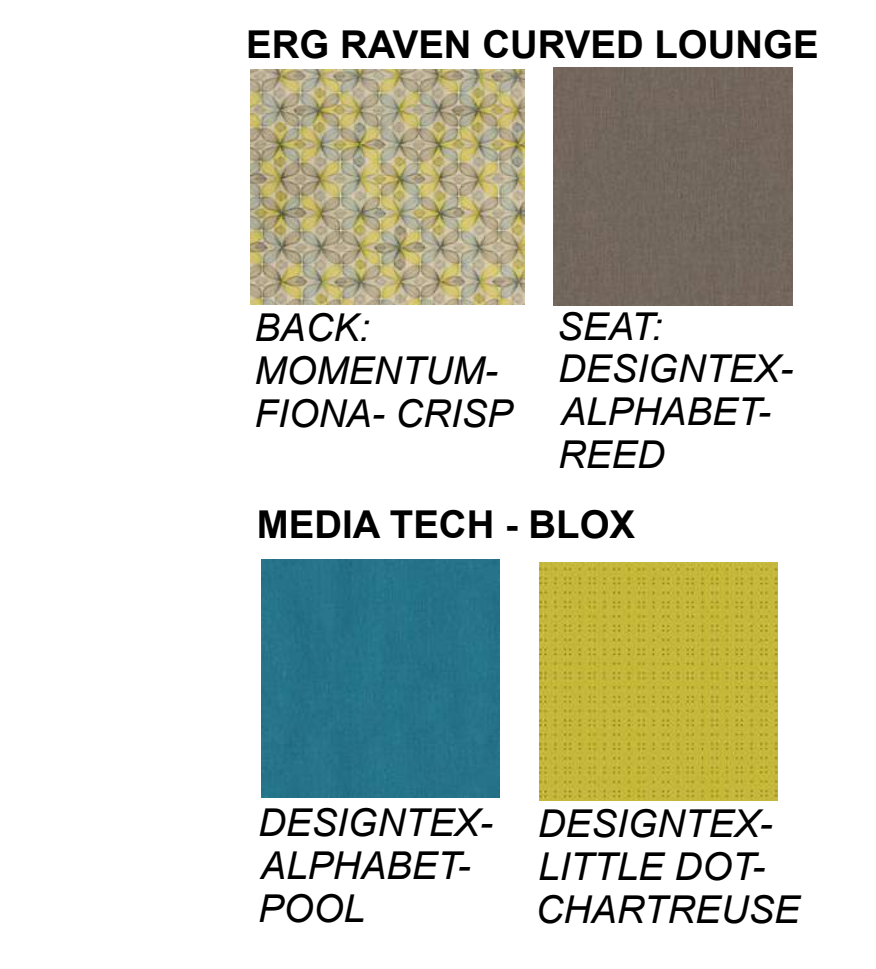
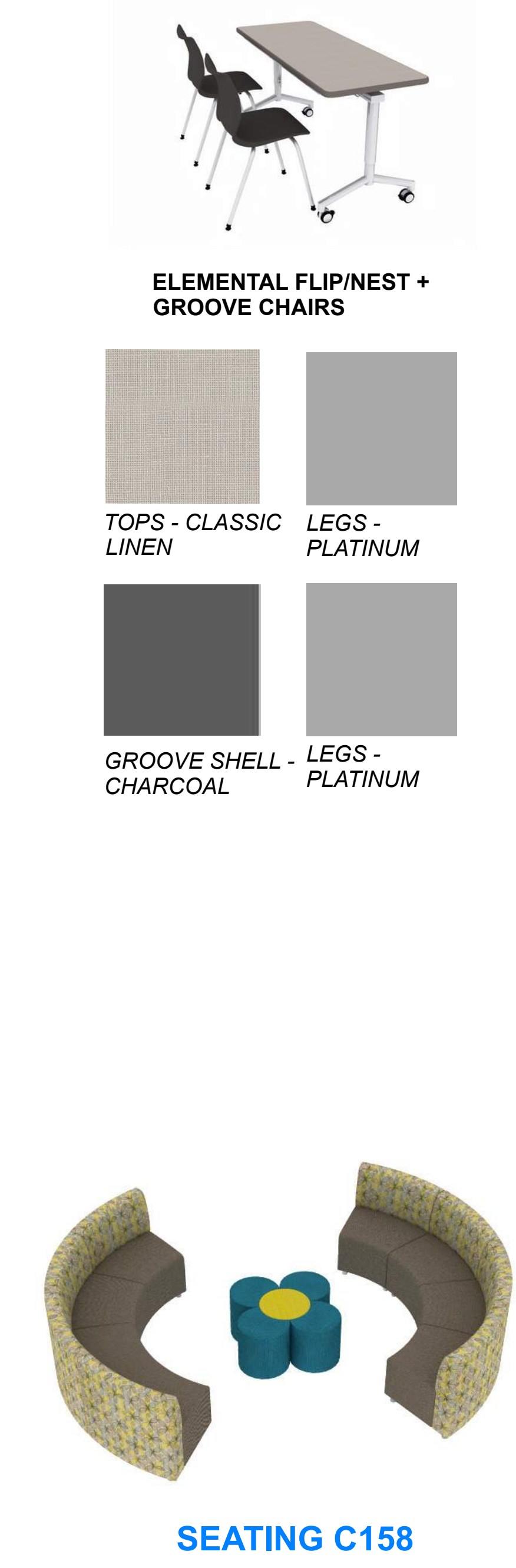
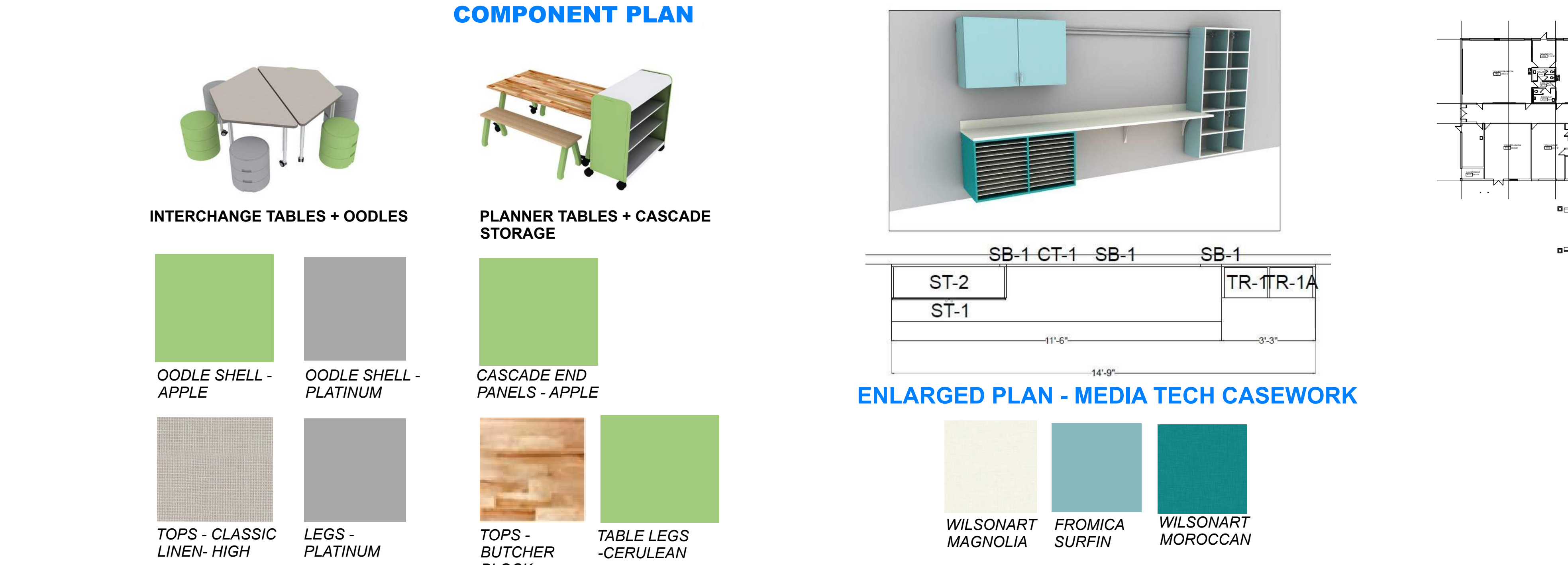
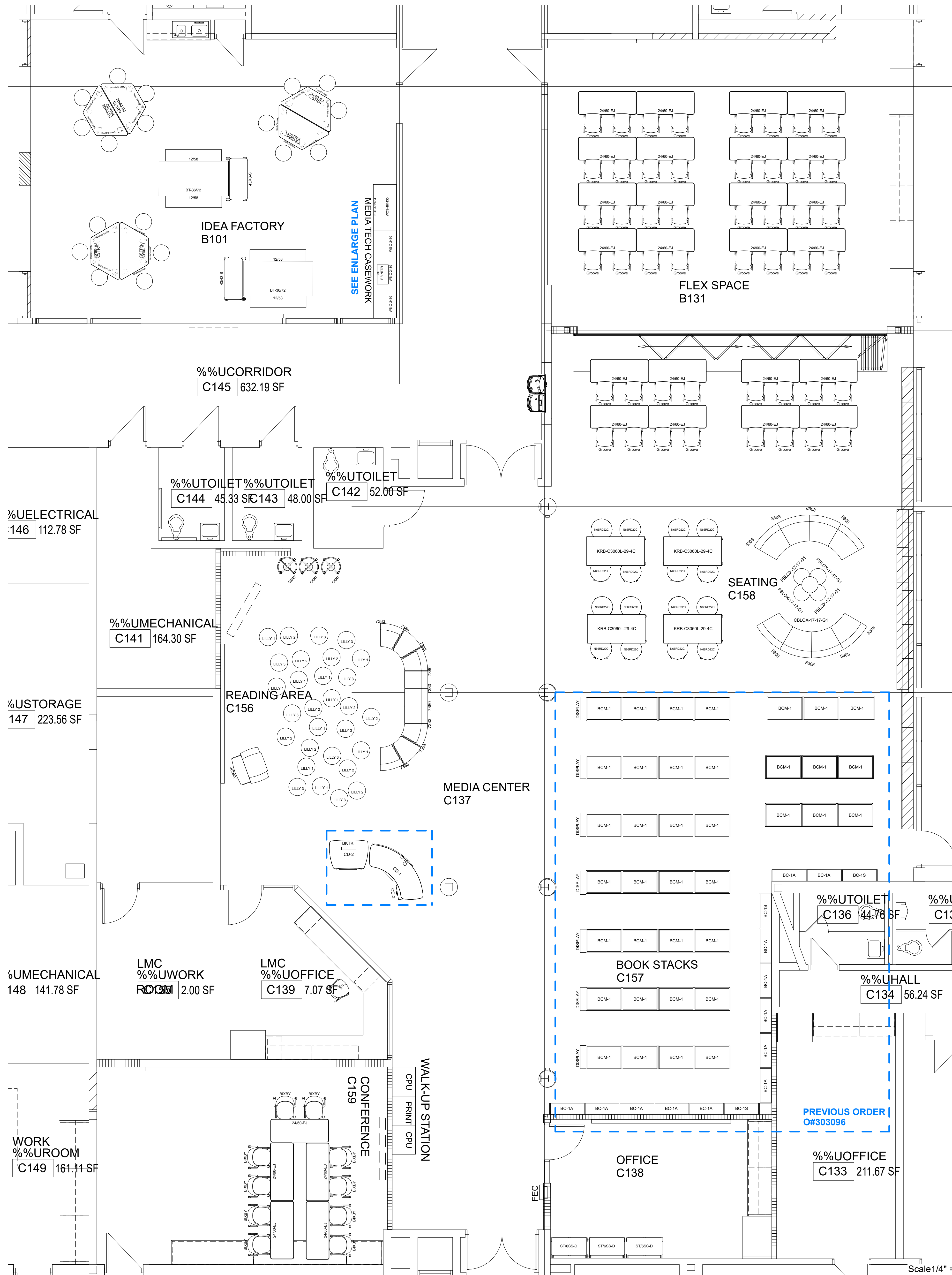
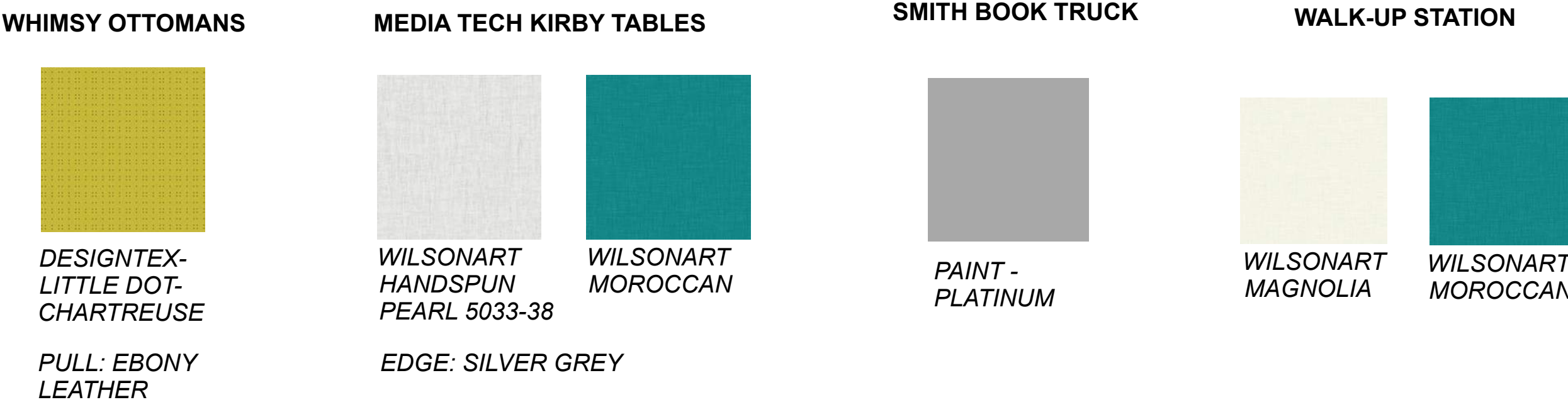
DRAWING:

COMPONENT PLAN

DRAWING NUMBER:

ID-3.1

**HAYES ES MEDIA CENTER
GROUND FLOOR
AUDIT Q#371685**



**HOOVER EL MEDIA CENTER
GROUND FLOOR
AUDIT Q#371695**

NBS commercial interiors

2595 BELLINGHAM TROY, MI 48063
(248) 823-5400 FAX: (248) 823-5401
WWW.YOURNBS.COM

NCDDO SEAL: _____

80

GENERAL NOTES:
NOT FOR CONSTRUCTION
ALL STRUCTURAL, MECHANICAL & ELECTRICAL ENGINEERING IS THE RESPONSIBILITY OF OTHERS.
ALL FURNITURE & DESIGN DRAWINGS ARE IN CONFORMANCE & SUBMITTALS MAY NOT BE MADE WITHOUT THE WRITTEN CONSENT OF NBS. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF ALL APPLICABLE CODES AND REGULATIONS.
NBS ASSUMES NO LIABILITY FOR ANY DAMAGE TO OR LOSS OF ANY PROPERTY OR MATERIALS DUE TO CONSTRUCTION ACTIVITIES. ALL CONDITIONS, MATERIALS, DIFFERENCES OR CHANGES REQUIRED FOR ANY REASON ARE THE RESPONSIBILITY OF THE USER.
IF NBS DOES NOT DESIGN THIS PROJECT, NBS DOES NOT ASSUME RESPONSIBILITY FOR THE DESIGN, SPECIFICATIONS OR ANY OTHER INFORMATION OR PRODUCTS RELYING ON THIS DESIGN. NBS HAS ONLY RESPONDED TO THE PACKING REQUEST FOR THE PROJECT.

APPROVED BY: _____ DATE: _____

APPROVED APPROVED AS NOTED

1/15/24	APPROVAL
1/26/24	AUDIT

OWNER:
Livonia Public Schools

PROJECT: HOOVER EL - MEDIA

16200 NEWBURGH RD.
LIVONIA, MI

PROJECT FOLDER: 231578

HEBERG ORDER #: TBD

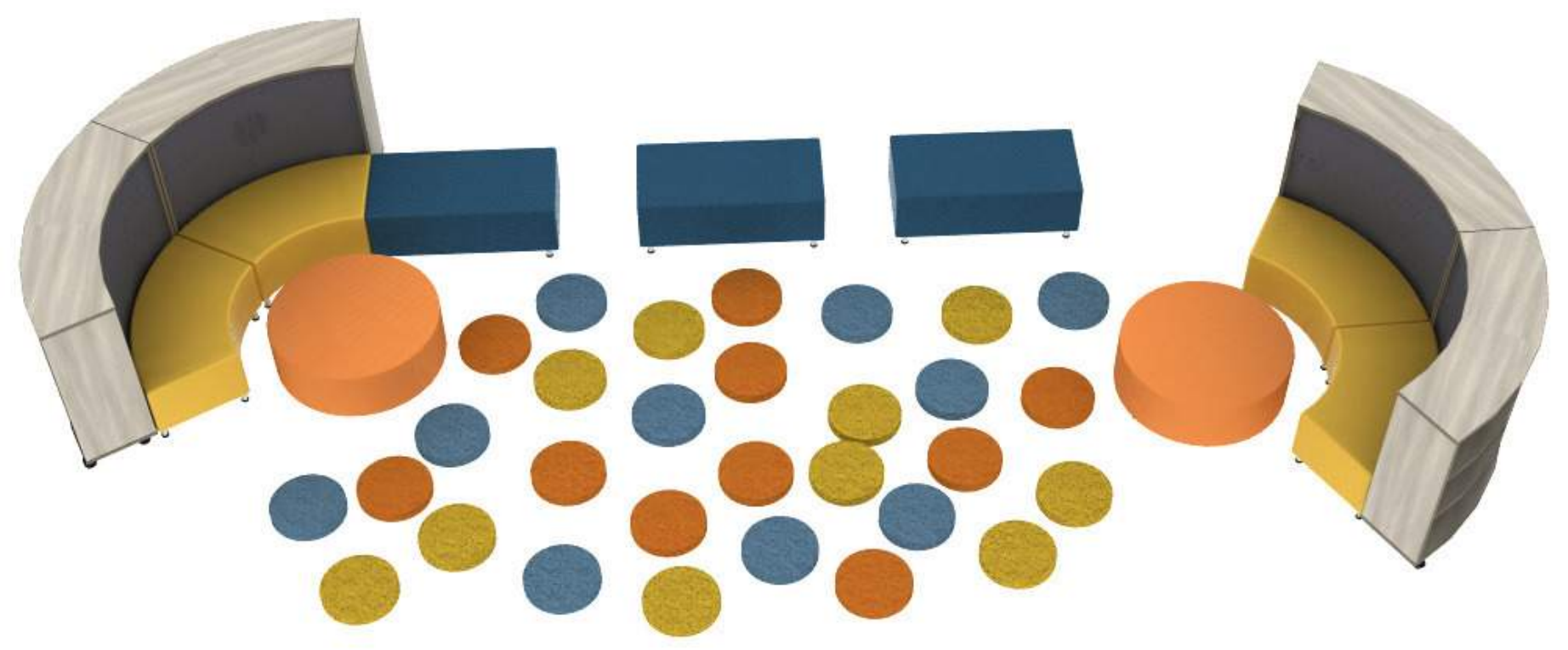
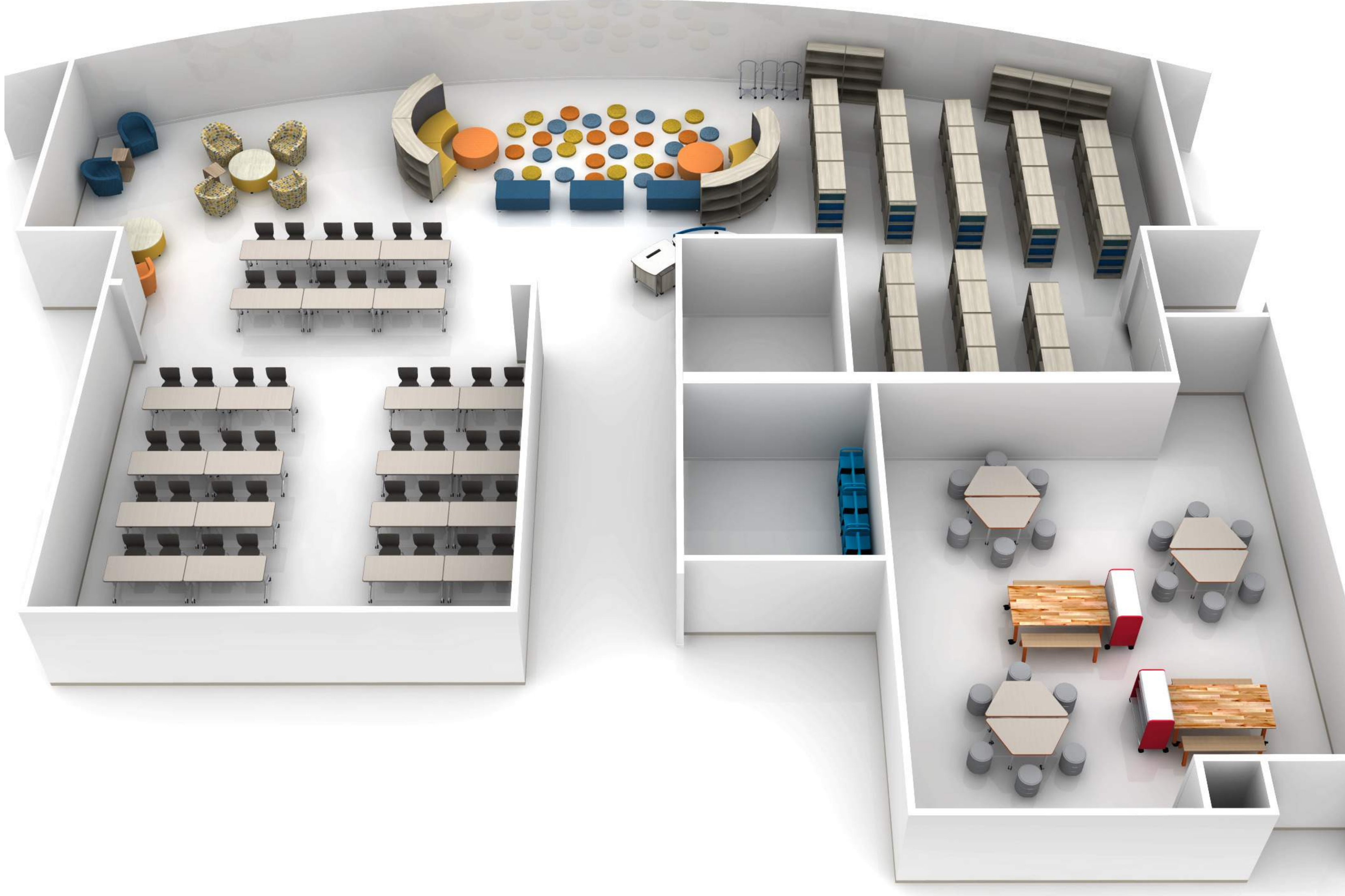
ACCOUNT MANAGER: M. DUGAN

DESIGNER: S. MAZZARÀ

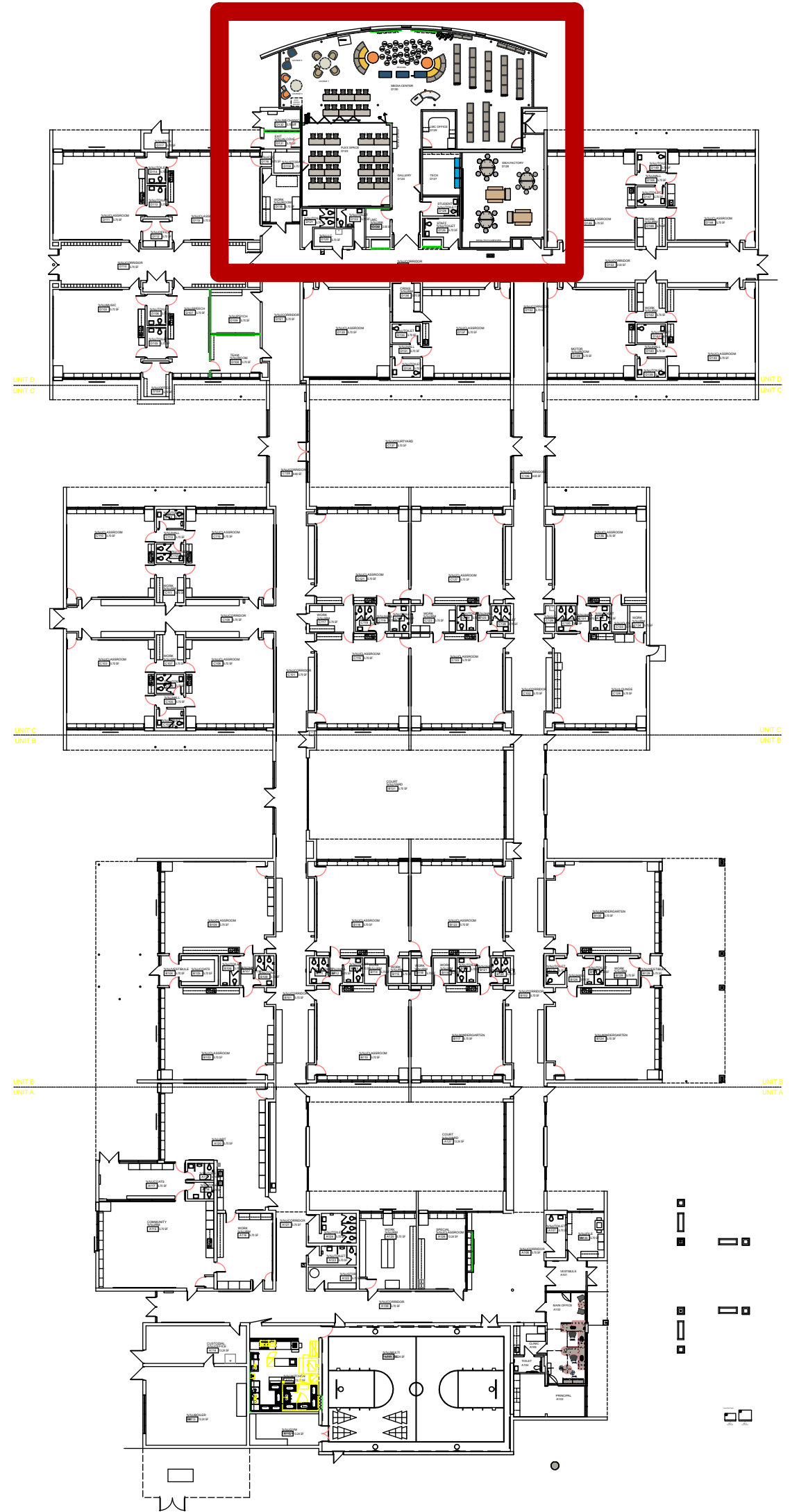
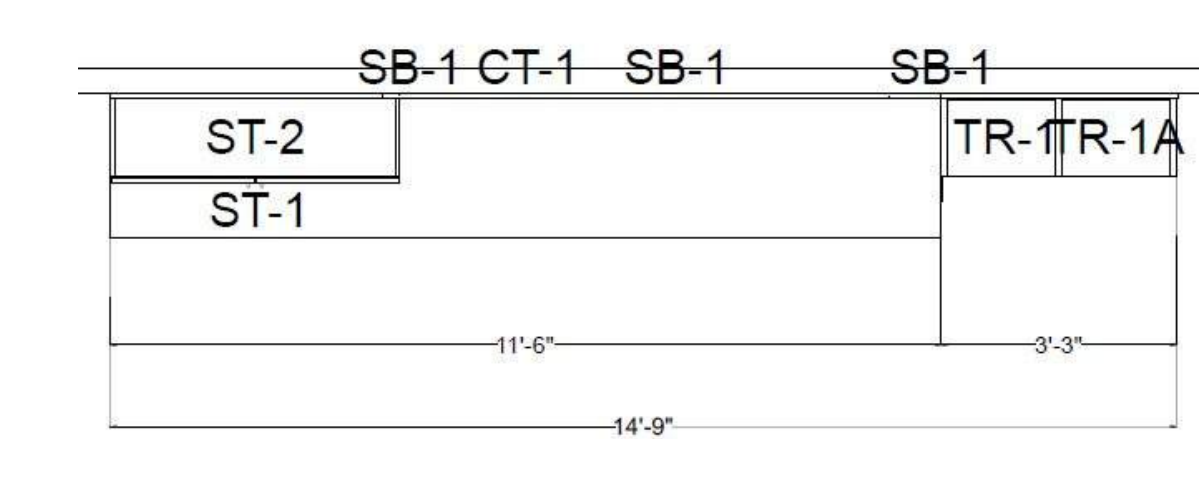
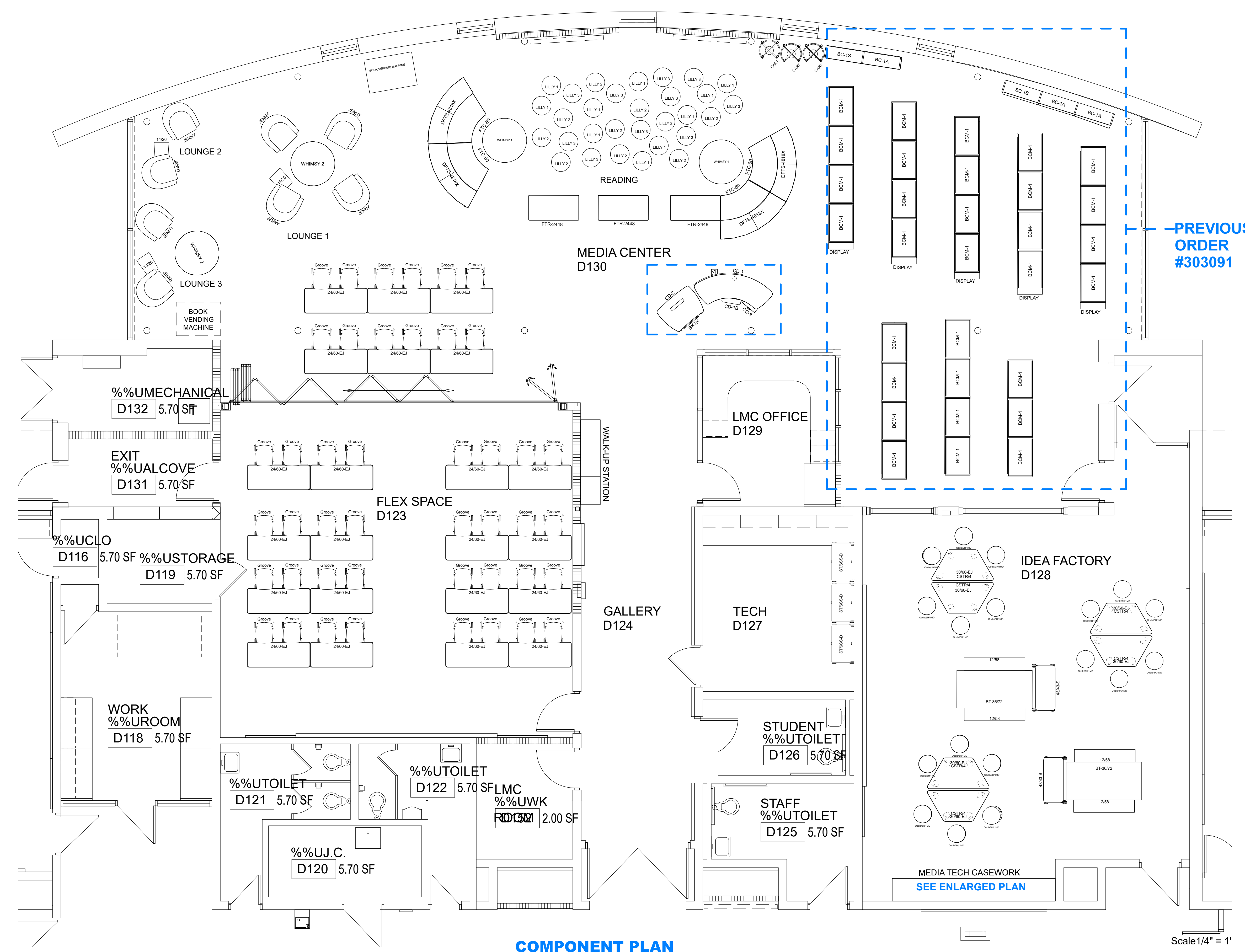
PROJECT MANAGER: M. GREEN

DRAWING:
COMPONENT PLAN

DRAWING NUMBER:
ID-3.1



READING AREA



GENERAL NOTES:
NOT FOR CONSTRUCTION
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ALL FURNITURE & DESIGN DRAWINGS ARE IN CONFORMANCE & SUBMITTALS MAY NOT BE USED WITHOUT THE WRITTEN APPROVAL OF NBS. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
BASE CONTRACT IS SUBJECT TO ANY MODIFICATIONS THAT DUE TO CHANGING CONDITIONS, FIELD CONDITIONS, MATERIAL DIFFERENCES OR CHANGES REQUIRED FOR ANY REASON AFFECT FUTURE PERFORM.

IF NBS DOES NOT DESIGN THIS PROJECT, NBS DOES NOT ASSUME RESPONSIBILITY FOR THE DESIGN, SPECIFICATIONS, AND/OR CONSTRUCTION OF PRODUCTS BELONGING TO THIS PROJECT. NBS HAS ONLY RESPONDED TO THE PRICING REQUEST FOR THE PROJECT.

APPROVED BY: DATE:

APPROVED APPROVED AS NOTED

1/15/24 APPROVAL

1/25/24 AUDIT

OWNER:
Livonia Public Schools

PROJECT: ROOSEVELT EL - MEDIA CENTER

30200 LYNDON LIVONIA, MI

PROJECT FOLDER: 231980

HEBERGER ORDER #: TBD

ACCOUNT MANAGER: M.DUGAN

DESIGNER: S.MAZZARA

PROJECT MANAGER: M.GREEN

DRAWING:

COMPONENT PLAN

DRAWING NUMBER:

ID-3.1A



Date: February 8, 2024

To: Andrea Oquist, Superintendent

From: Phillip Francis, Assistant Superintendent of District Services

Re: Network Switch Replacement – 2021 Bond

I would like to discuss the replacement of Network Switches district-wide at the next Committee of the Whole meeting on Monday, February 12, 2024. This is a planned replacement of network switches across the district using the 2021 Bond fund because the current switches, installed early during the 2013 Bond program, are approximately 10 years old, which is generally considered a full lifespan for these products. Properly working network switches enable the district to have working Internet in all our buildings across the district. Switches also control and secure the traffic on the district's network, which includes phones, copiers, security cameras, WiFi access point, and more.

This item went out to bid on December 22, 2023, with four bids being submitted on January 22, 2024. The team reviewed the bids and are recommending Sentinel Technologies, Inc, in Troy, Michigan in the amount of \$1,852,349.15 which includes a 5% contingency. This bid also includes Mandatory Alternate 3 and Voluntary Alternates 2, 3, 4, 5, 6 and 8.

Please let me know if there are any questions. Thank you.

Attachment

PF/ko

c: Board of Education

February 2, 2024

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

Project Name: Livonia Public Schools
Network Switch Upgrades
Livonia, Michigan

IDS Project No.: 21191-1000 BP08

Dear Mr. Francis:

Bid specifications for the Network Switch Upgrades project were issued on December 22, 2023. The bid package scope includes new network switch hardware, network management licenses, engineering support to program and install the network switches, testing, warranty support and training.

Representatives from seven (7) companies attended the pre-bid conference on January 9, 2024. Four (4) bids were received on January 22, 2024. The bidders included the required Bid Bond, Familial Disclosure, Affidavit of Compliance and Criminal Background Affidavit with their bid submissions.

The technology team has reviewed the bids and conducted a post-bid interview with the apparent low bidder, Sentinel Technologies, Inc, on January 26, 2024. The bid was determined to be complete and compliant with the requirements of the bidding documents. The bill of materials pricing was determined to be in line with current industry trends and historical competitive bidding pricing models for projects of a similar size and scope.

The bid specifications requested several mandatory alternates and Sentinel Technologies, Inc provided several voluntary alternates for consideration. After reviewing the alternates, the technology team is recommending the following alternates be considered for award:

Mandatory Alternate No. 3: Delete the requirements to provide new District Headend Core Switches. The bid specifications requested new redundant core network switches for the District Headend. The proposed core switches were similar in features and functions to the existing core switches. The existing core switches are operational and are still current models and being supported by the manufacturer. This alternate will provide a credit/deduct of (\$50,082.16).

Voluntary Alternate No. 2: Shipping & Storage & Handling. The bid specifications required the bidder to receive and store all project related equipment at their warehouse. If the District accepts equipment shipments at their facilities and warehouse them until the time of installation, Sentinel Technologies, Inc will provide a credit/deduct of (\$6,000.00).

Voluntary Alternate No. 3: Fiber Patch Cable Allowance. The bid specifications required the bidder to reuse all patch cables throughout the District's buildings. As the condition of each patch cable is unknown and some network closets may have equipment moved with the IT racks to better organize the network equipment, it is expected that some quantity of patch cables will need to be purchased. This alternate establishes an "Owner Allowance" to cover these miscellaneous field conditions. As the project progresses, these purchases will be tracked, and any unused allowance will be credited back to the District at the end of the project. This alternate is an add of \$6,250.00.

Voluntary Alternate No. 4: Upgrade Cisco Core to High School Distribution to 25GB. The bid specifications required 10GB connections between each District building and the District's Head End. This refers to the speed and

bandwidth available to the students and staff. This alternate would increase the link speed from 10GB to 25GB between the District's larger buildings and the District headend. This alternate is an add of \$2,256.54.

Voluntary Alternate No. 5: Cisco Core and Meraki Distribution and Access – 5 years. The bid documents basis of design was for Cisco core switches and Cisco distribution and access switches. The bid documents required the equipment to be provided with 5 years of warranty, support and licensing. Sentinel Technologies Inc provided this alternate for a different distribution and access switch model. The Meraki switch line is owned by Cisco. Meraki provides a cloud-based management system and an easier, more robust management platform for day to day operations. The proposed Meraki switch models are more robust than the proposed Cisco models. This alternate is an add of \$350,417.60.

Voluntary Alternate No. 6: Meraki Access – Substitute UPOE for POE+. POE refers to “power over ethernet” and provides the ability to power end devices over the network without needing to plug them in. Devices that operate with PoE include: phones, wireless access points, security cameras and other devices. The bid specifications required all network switches to be provided with PoE capabilities. This alternate is to provide 1 network switch in each IT closet with higher power capabilities (UPOE). As the District upgrades their technology systems, they may require more power capabilities. This alternate will provide “future proofing” for the District's ongoing technology upgrades. This alternate is an add of \$26,984.04.

Voluntary Alternate No. 8: Meraki Access – Substitute 10 year license for 5 year. The bid specifications required 5 years of warranty, support and licensing for all equipment being provided. The bid documents also requested alternate pricing to provide 7 years and 10 years of warranty, support and licensing. This alternate is to provide 10 years of warranty, support and licensing for the Cisco Core and Meraki Distribution and Access solution (VA No. 5). This alternate is an add of \$346,244.11

IDS recommends the award of the Network Switch Upgrade project to the lowest qualified bidder, Sentinel Technologies, Inc., in the amount of \$1,764,349.15 which includes Mandatory Alternate 3 and Voluntary Alternates 2, 3, 4, 5, 6 and 8.

In addition to the award amount, IDS is also recommending a construction contingency of 5% be established in the amount of \$88,000.00.

Sincerely,

Integrated Design Solutions, LLC



Scott Smith
Senior Associate

ec: T. Klan, LPS
B. Weber, PMC
File



Date: February 8, 2024

To: Andrea Oquist, Superintendent

From: Phillip Francis, Assistant Superintendent of District Services

Re: Renovation of Administration Building Elevator

I would like to discuss renovation of the Administration Building elevator the next Committee of the Whole meeting. The current elevator was installed in 1990 and has had reoccurring issues for the past several years.

The cost of this renovation is \$228,500 and will be supplied and installed by Kone, Inc., located in Livonia, Michigan. The quote for this purchase is attached with pricing from Omnia Partners Purchasing, which satisfied the Board's requirement to bid. This project will consist of the removal and replacement of the elevator car, changing the movement system from a piston actuator to a cable system, and replacing the machine room components located in the basement. This purchase will be paid from Capital Funds.

Please let me know if there are any questions. Thank you.

Attachment

PF/ko

c: Board of Education



Livonia Public Schools

Facilities and Operations

Date: February 1, 2024

To: Phil Francis, Assistant Superintendent District Services

From: Harry C. Lau, Administrator of Facilities and Operations

Re: Letter of Recommendation – Renovation of Administration Building Elevator

I am recommending and seeking approval to award the renovation of the Livonia Public School administration building's elevator at the cost of \$228,500 to Kone, Incorporated. This project will be funded through the Capital Projects Fund. Kone, Inc. will perform the work in partnership with Omnia Partners Purchasing Consortium.

The elevator in the administration building has had reoccurring issues for several years. The renovation will consist of total demolition of the elevator car and piston actuator, along with the machine room. The reinstallation includes a new elevator car, cable system, and a new machine to operate the elevator.

Thank you for your consideration.

Cc: P. Bushart
K. Oaks

Dedicated to People Flow™



Proposal for

Livonia Schools - Central Office - Mono500 Flex

LIVONIA PUBLIC SCHOOLS

KONE People Flow Solution Proposal
02/02/2024



KONE Inc.
Detroit Office

11864 Belden Ct
Livonia, Michigan, 48150
Mobile +1 7344172652
Work +17345136944
ryan.gold@kone.com
www.kone.us

1. Proposal

We are pleased to enclose, for your review and consideration, KONE's proposal to fully replace your equipment located at the following address:

Livonia Schools – Central Office
15125 Farmington Rd
Livonia, MI 48154


- This proposal is based on **2024 installation**.
- This proposal is **valid for (90) days**.
- Anticipated downtime: **5-6 weeks per unit for full replacement + 0.5 weeks for inspection**.
- **SEE PAGE 7 FOR CLARIFICATIONS.**

Exhibit 4

KONE Inc. Proposal to Supply Elevator, Escalator, Moving Walkway Maintenance, Repair, Modernization and Related, Products, Services and Solutions under the U.S. Communities Program utilizing the Terms and Conditions of the City of Kansas City Master Contract (Reference GENRL-EV2516 dated December 1st, 2018)

The parties hereby agree to be bound to the Terms and Conditions of the City of Kansas City Master Contract (Reference GENRL-EV2516 dated December 1st, 2018) (“Contract”), together with those terms and conditions contained in this Exhibit 4 (collectively, “Service Agreement”). In the event of conflict between terms and conditions contained in the Contract and this Exhibit 4, the terms in this Exhibit 4 shall supersede and prevail.

The existing equipment, as outlined below, will be replaced in accordance with the explanation provided herein. Where additional items are made a part of this Proposal, a complete description is provided. Where existing equipment and/or systems are not mentioned, the intent of this Proposal is to reuse said item(s) "as is". The KONE solution includes design, manufacturing, supply and installation of the following:

<u>Equipment name</u>	<u>Solution</u>	<u>Capacity/Speed</u>	<u>Landings/Entrances</u>	<u>Price</u>
 Elev 01	1 x KONE MonoSpace 500 DX	2500 lbs / 150 fpm	Landings: 4 Entrances: 1 front / 3 rear	\$ 228,500.00
Total Sales Price, net including TAX				\$ 228,500.00

2. Validity of proposal

If provided, our proposal is based on the architectural drawings and specification (Division 14) and meets the general intent of the project. In case of any differences or contradictions between the contents of the documents contained in KONE's Tender Document, the Project Drawings or the Project Specifications, the KONE Tender Document shall prevail. Pricing is based on the contents specified in this Proposal and the appendices and Bid Attachments, which are incorporated into this Proposal (the "Proposal"). Contract terms shall be in accordance with Bid Attachment "A" / KONE Inc. General Terms and Conditions and Bid Attachment "B" / Site Safety Requirements / Work by Others, which are incorporated by reference. The pricing included in this Proposal is submitted with the understanding that all documents referenced and incorporated will be signed without modification. In the event of conflicts or inconsistencies between this Proposal and any other contract document, this Proposal shall supersede and prevail. This Proposal is **valid for 90 days**.

Please know that we are available to assist you in coordinating the work by others as further described in our "Bid Attachment B". Should you have any questions or require additional information, please feel free to contact me directly.

We look forward to hearing from you and working together on this project.

Yours sincerely,



Ryan Gold
Sales Consultant
Kone Inc

3. Your Solution

Elevator Technical Specification

Elev 01

Base solution

KONE Solution	KONE MonoSpace 500 DX
Machinery location	Guiderail-mounted in overhead of hoistway
Capacity (lb)	2500
Speed (fpm)	150
Travel height (ft)	23 ft 1 in
Stops	4
Front entrances	1
Rear entrances	3
Control system	Full collective Simplex
IBC seismic design Category	A
Value (IP) (SDS)	0
Regulations	ASME A17.1-2016
KONE Environmental Product Declarations	https://www.kone.com/en/products-and-services/green-building/lifecycle-impact-assessments/

Shaft construction

Shaft size (W x D) (ft)	8 ft 4 in x 6 ft 9 in
Pit depth (ft)	4 ft 0 in
Clear Height under Ceiling (ft)	12 ft 4 in

Mechanical components & machinery

Power supply, machinery (V / Hz)	480 / 60
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Car and doors

Car size (WxDxH) (in)	6 ft 5.953 in wide x 4 ft 6.724 in deep x 7 ft 6 in high
Door opening dimensions (WxH) (ft)	3 ft 6 in x 7 ft 0 in
Controller location	1st floor Hoistway to controller (horz) [ft]: 35

Design Group 1 - Elev 01



Rear and Side walls



Front and Side walls



Do you want to see the design in 3D view?
Click below

[→ KONE CAR DESIGNER](#)



<https://cardesigner.kone.us/#/doc/416b3183-4ace-456c-b056-b14b04bebb0a>

Materials and design

Please note that all images are for illustration purposes only. Some differences to actual product delivered may exist.

Elevator Elev 01

Car walls	Scottish Quad - Textured Stainless Steel
Front wall	#4 Brushed Stainless Steel, pan type door
Ceiling	Round, LED spotlights (CL88) #4 Brushed Stainless Steel
Flooring by others	Maximum floor thickness: 0.5 in Maximum floor weight: 6 lb/ft2
Handrail	Flat, straight ends (HR63) #4 Brushed Stainless Steel Handrail on side walls
Skirting	#4 Brushed Stainless Steel
Car Fan	Fan Required
Protection pads	KONE standard pads and hooks included

Door type	Single-speed, left-hand, side-opening
Entrance equipment	The existing hoistway entrances and hoistway door panels shall be retained and reused in place.
Door material	#4 Brushed Stainless Steel
Sill material	Aluminum
Number of car operating panels (COP)	1
COP details	Dot matrix Flush #4 Brushed Stainless Steel
Jamb mounted destination indicator	Car Lantern (jamb-mounted) included
Signalization Series	KSS570 series signalization

Additional Options

Hall/Lobby panel included	No
Operation of car ventilation	KONE Standard Fan

Landing	Floor Marking	Landing Sill Material	Finish	Entrance Frame type	Hall Lantern / Position Indicator
4 Rear	2	Retained	Retained		None
3 Rear	1	Retained	Retained		None
2 Front	*G	Retained	Retained		None
1 Rear	B	Retained	Retained		None

4. Project-Specific Clarifications

General Clarifications:

- No Work By Other trades is included in this proposal.
- KONE will provide hoist beam and safety tube to be installed by others.
- KONE will provide and install pit ladder.
- Temporary Use of elevators is not included in the base bid price.
- No Operator Time or Allowance for other trades is included in the base price.
 - o Hourly Operator Time is \$250.00 per hour.
- Necessary attachment points will be reflected in shop drawings and will be coordinated with KONE.
- Additional steel may be required by others for KONE to meet required attachment points in hoistways where protrusions / haunches extend more than 1" into the hoistway.
- Labor costs are based on 2024 rates.
- Existing remote duct & conduit will be retained and reused.
 - o If new remote duct or conduit is required it is to be provided by others.
- Proposal assumes adequate storage & laydown area for the equipment adjacent to the hoistway.
 - o No remote or offsite storage costs are included.
- Our proposal includes tear out of existing elevator equipment.

Project Specific Clarifications:

The following clarifications are specific to your project:

- We are offering KONE's standard cab interior finishes.
- We are offering KONE's standard fixtures.
- No provisions for Emergency Power (generator by others) have been included in the base price.
- No provisions for Emergency Battery Drive have been included in the base price.
- No Lobby Panel or Fire Command Room Status Panel is included.

Additional Options

In addition to the base price above, we offer the following optional items for your consideration:

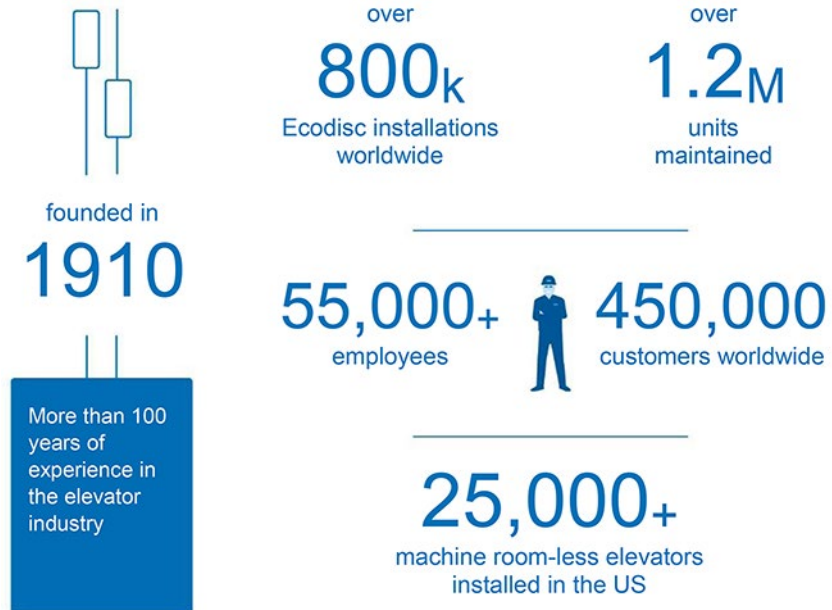
- Emergency Battery Lowering Device (EBD) will be provided.
 - o ADD \$7,945.00 per unit to base bid.

5. Why KONE?

KONE in brief

KONE is a global leader in the elevator and escalator industry. Our versatile product portfolio features a wide range of innovative products including elevators, escalators, and autowalks.

You are supported by our broad district and branch network across North America.



KONE MonoSpace®

Replacement of in-ground hydraulic elevator system(s) or geared traction elevators systems(s) with a flexible machine room-less traction elevator solution offers many benefits:

- Excellent eco-efficiency – oil-free hoisting technology, lighting and standby solutions for energy efficient operation.
- Superb ride comfort – smooth and quiet operation in compliance with our strict ride-comfort standards.
- Versatile design - a broad set of attractive materials and accessories to create the perfect interior for your elevator adds to your building's value.



KONE 24/7 Connected Services – improved safety, full transparency, and peace of mind

KONE elevators can be equipped with KONE 24/7 Connected Services. This solution allows our teams to predict issues and act before a shutdown occurs. For our customer and building tenants, it means improved reporting and communication on maintenance work with full transparency and ease of mind.

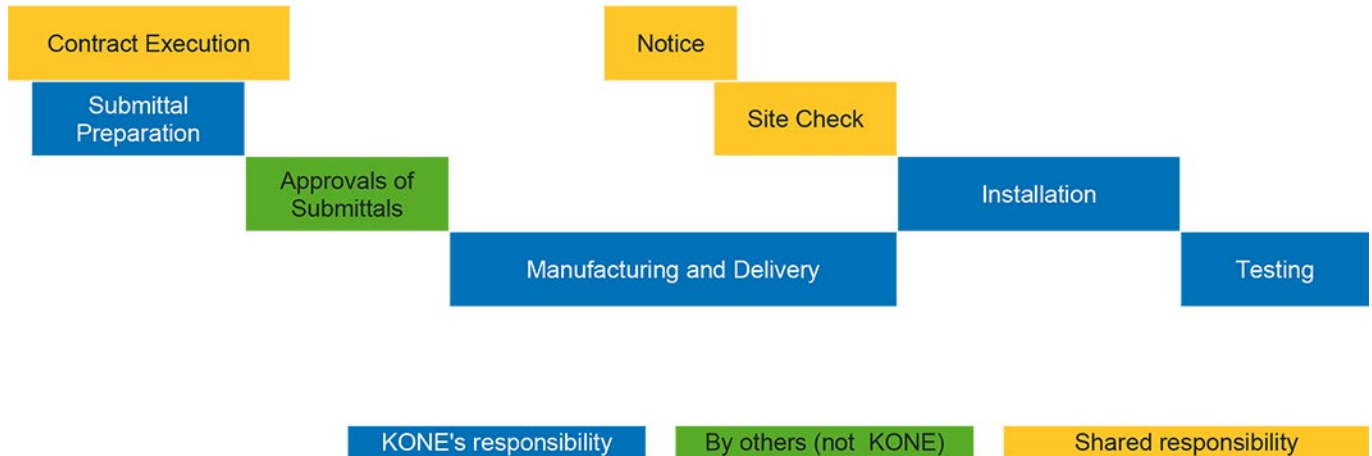


Read more at kone.us/connected

6. Ensuring Project Success

Project Schedule Overview

This Proposal is conditioned upon KONE's standard installation methodology and all work performed during normal business hours, excluding IUEC (International Union of Elevator Constructors) holidays. The following schedule is proposed:



Preparation of Submittals	2 weeks	From receipt of contract and first payment.
Contract Review	6 weeks	From receipt of full contract package. All referenced documents required.
Approval of Submittals	TBD	Mutually agreeable time to incorporate changes to the layout and approve the submittals. Approval of Submittals means notification in writing, by the Customer or Customer's Agent, that all submittals are approved, and manufacturing may commence. All finishes and features are to be confirmed at the time of submittal approval.
Manufacturing and Delivery	17 weeks	From receipt of submittal approval and an executed contract. KONE's policy is to release equipment to Manufacturing after the contract is fully executed by both parties. Note: KONE's factory has two-week shutdown over the months of July and December. Any manufacturing duration that falls during these months shall add two weeks to the manufacturing time. Delivery times may be extended due to delays caused by measures undertaken to stop the spreading of the Coronavirus (2019-nCoV) epidemic, availability of personnel, logistics providers, and supply chains.
Notice to commence on site and site check	2 weeks	Prior to starting the installation, KONE requires a two-week notice to inspect the site to ensure it fulfils the requirements set by KONE for commencing installation. Site Check will be performed in the two weeks before installation begins.
Installation	5-6 weeks	Only after the site has passed the Site Check inspection, the installation can start. Duration is per unit. If multiple units need to be installed at the same time, a Foreman will be required at additional cost - based on availability.
Testing and Commissioning	1-2 weeks	Clean 3-phase power, active phone line to the controller, and all life safety provided by others is required prior to testing / commissioning.

Site Preparation

KONE requires the following conditions fulfilled two weeks prior to commencement on site. Please see Bid Attachment “B” / Site Safety Requirements / Work by Others for more detailed site requirements. These conditions will be verified during the site readiness visit.

- 1 Adequate access for delivery of elevator material + clean/dry 21' x 56' storage space per elevator.
- 2 The hoistway, pit, and machine room must be clean, dry, and constructed per the approved KONE final layout drawings. Any required support for guide rail brackets, divider beams and divider screens from pit floor to the top of the hoistway will be provided by others. Note: bracket support points may be required between floors. The hoistway must be plumb according to tolerances listed on KONE Final approved layout drawings.
- 3 Removable, OSHA approved barricades must be provided around all hoistway openings. Provide and install full entrance protection, made of nylon mesh or reinforced plastic at all hoistway openings per OSHA 1346 1926.502(j). Design and install entrance protection in such a way as to allow quick accessibility in and out of the hoistway.
- 4 Permanent or temporary three-phase and single-phase power of permanent characteristics with disconnect switches.
- 5 A hoist beam and safety beam (furnished by KONE) must be cut to size and installed in the elevator overhead per the approved KONE final layout drawings (hoistbeam capable of supporting the load requirement noted in our shop drawings).
- 6 Applicable work areas must have adequate lighting.
- 7 Finished floor marks must be visible from the hoistway openings at all landings.

Warranty / maintenance

Our Proposal includes 12 months of KONE standard maintenance with KONE 24/7 Connected Services, including regular time callback service.

Under no circumstances shall indicators or predictions from KONE 24/7 Connected Services be cause for immediate services. They shall be addressed upon the next scheduled maintenance visit, or otherwise at the sole discretion of KONE. The remote monitoring devices are provided to the Customer as part of the Services. Customer gives KONE the right to utilize 24/7 Connected Services to collect, export and use data generated by the use and operation of the equipment. Customer has no ownership or proprietary rights to such data, nor the device or software that monitors, analyzes, translates, reports or compiles such data. KONE 24/7 Connected Services, including any data collected, the device(s) to perform the service, and any software related thereto shall be the exclusive property of KONE. KONE MAKES NO WARRANTY THAT SERVICES WILL BE UNINTERRUPTED OR ERROR-FREE. KONE IS NOT LIABLE FOR ANY DAMAGES RELATING TO LACK OF NETWORK COVERAGE AT THE SITE OF THE EQUIPMENT, DUE TO TAMPERING WITH THE REMOTE MONITORING DEVICE, INTEROPERABILITY, SERVICE DEFECTS, SERVICE LEVELS, DELAYS, SERVICE ERRORS, INTERRUPTIONS OR ANY OTHER REASON OUTSIDE OF KONE'S REASONABLE CONTROL. KONE DISCLAIMS ANY LIABILITY FOR DAMAGES OR INJURIES (INCLUDING DEATH) ARISING FROM OR IN CONNECTION WITH THE OPERATION OR USE OF THE SERVICES SET FORTH HEREIN.

The Product Warranty is specified in Bid Attachment A. Installation by KONE of any parts covered under the Product Warranty on parts will only occur while KONE maintains an active maintenance contract. The Product Warranty and Warranty Maintenance commences on the date of acceptance set forth in the Uniform Final Acceptance Form. For long-term reliability, a continuing maintenance agreement is necessary. This Proposal is conditioned upon KONE receiving a ten (10) year KONE Extended Warranty maintenance contract from ownership prior to the date of acceptance set forth in the Uniform Final Acceptance Form.



Price Adjustment

KONE shall be entitled to an equitable adjustment in the Price, including but not limited to, any increased costs between the time the Contract is signed and the date of manufacture for materials, labor, or shipping, as well as increased costs resulting from any change in law or tariffs.

Payment terms

Proposal price is valid with the following payment terms (Payment due date is 30 days net, from the date of KONE's invoices):

30%	Engineering & Site Management
50%	Material
20%	Installation

KONE reserves the right to delay and/or suspend the work, including manufacturing, delivery, installation and/or final turnover of the equipment for non-payment. Prior to equipment turnover, KONE must be paid in full including all change orders, less retention. Additionally, prior to turnover KONE requires a signed Final Acceptance and receipt of a Final Punchlist from all parties. Should you have a requirement other than that shown above; we will be pleased to discuss it with you.

Sourcing

This Proposal is made without regard to compliance with any special purchasing and/or manufacturing requirements including, but not limited to, Buy America, Buy American, U.S. Steel, FAR clauses, minority/disadvantaged supplier requirements or similar state procurement laws. Should such requirements be applicable to this project, KONE reserves the right to modify and/or withdraw our Proposal.

Confidentiality

Any pictures or images included in this Proposal are for information purposes only. This proposal and all attachments are intended for the exclusive use of the addressee-recipient. This proposal and attachments are proprietary, confidential, and protected by copyright laws of the United States of America and international treaties. Reproducing, copying, disclosing, adapting, publishing, or distributing this proposal or the attachments, in whole or part, is prohibited. Copyright © 2020 KONE Inc. All rights reserved.

Completion

The price is based on KONE completing its work by December 31, 20**, and a material manufacturing start, no later than six months from the date of this Proposal. The standard wage rate is assumed. If KONE's on-site work is not completed in the above calendar year (due to delays by others), you will be responsible for the labor rate increase that occurs on January 1st of each following year.

Storage/delivery/remobilization

This Proposal is based on the site being handed over to KONE in accordance with KONE Site Safety Requirements, per Bid Attachment "B," on the agreed dates. Any changes to such dates are considered a change to the schedule and KONE shall be entitled to an extension of time and to recover all costs related to such changes and an extension of time. If the Site Requirements are not complete, KONE will not deliver the unit equipment to the job site. If KONE is unable to unload at the jobsite on the scheduled date and commence installation immediately, additional costs for off-site storage (\$1,600 / month per unit) and labor for double handling of the materials (\$4,000) shall be paid to KONE via a Change Order. Should KONE be required to demobilize, through no fault of its own, due to any suspension or work stoppage, and after material is delivered to the jobsite a charge of \$4,000 per crew shall be paid to KONE via a Change Order for each remobilization. Customer shall also store and protect the materials and equipment onsite or at a storage facility reasonably acceptable to KONE at Customer's sole risk and cost. If KONE is not able to commence installation on the agreed upon material delivery date or if KONE's work cannot be performed in an uninterrupted manner, labor may be reallocated to other projects and may not be available to reallocate to this project for several weeks. KONE is not responsible for any delay to the project resulting from labor reallocation because of Site Requirements not being complete by the material delivery date.



Operator time

No operator time is included in this proposal. If the General Contractor or another subcontractor requires access to the shaft or the use of the elevator platform for any reason prior to Final Acceptance, KONE will provide an operator per the standard hourly rate of **\$250/hour** for straight time or **\$500/hour** for overtime. Availability of an operator will be determined at the time of the request. KONE's installation schedule shall be extended by the time needed by other trades for access to the shaft.

Hoistway cleaning

KONE is unable to estimate the cleanliness of an elevator hoistway on a construction site, as the amount of debris/dust is dependent on work completed by other trades within the building. As such, KONE has not included any costs for clean down of the elevator shaft but can provide a price if conditions warrant.

Other trade work

No additional time or costs (outside of the equipment installation and inspection time) have been included in this proposal for coordination with the life safety system, security system, or any other trades. KONE shall be entitled to an extension of time and / or additional costs incurred by additional time expended for coordination with other trades.

Phone

This proposal includes one standard, hands-free ADA compliant speakerphone per cab. It will automatically dial to a determined location. A KONE Care – Emergency Phone Monitoring or Wireless Phone service agreement must be completed, (either accepting or denying KONE's monitoring service) two weeks prior to final inspection.

Inspections

This Proposal includes one final inspection by the elevator code authority, per elevator, during normal working hours. Prior to scheduling the elevator final inspection with the Authority Having Jurisdiction (AHJ), building life safety including fire alarm and dedicated phone lines for each elevator must be fully operational. If the final inspection fails due to KONE's sole responsibility, KONE shall pay for the cost of re-inspection(s). Should re-inspection be required due to deficiencies by others, you will be responsible for the cost of re-inspection(s). All other testing will be provided for additional cost at normal KONE billing rates. During the final testing, a representative of the fire-life-safety contractors will be required (at no cost to KONE) while testing the elevators. No overtime has been included in this Proposal.

Changes to the work

KONE shall not be required to proceed with any Customer requested change to its Work ("Extra Work") until such Extra Work is evidenced in a mutually acceptable Change Order and signed by both parties. This includes, but is not limited to, any changes or revisions, accelerations, resequencing, suspension of KONE's schedule of Work or other delays outside of KONE's control. However, should KONE agree to proceed with Extra Work pursuant to a Construction Change Directive or Field Order without a fully executed Change Order, such agreement by KONE is conditioned on the Extra Work being converted promptly to a fully executed Change Order. KONE shall not be obligated to continue performance of Extra Work if the estimated value of unexecuted Change Orders exceeds 10% of the Agreement Price, or if there is a reasonable safety concern, a product limitation, or it is unreasonable to proceed. No action by KONE, including but not limited to KONE performing Extra Work without an executed Change Order, shall be construed to be a waiver of Subcontractor's right to seek payment for the Extra Work performed, or to obtain a Change Order at a later date. Customer shall remain directly liable to KONE for payment for changed or Extra Work ordered by the Customer for delays caused by Customer or others subordinated to Customer.



7. Proposal Acceptance

We have read in full and accept the content of this Proposal and all attachments.

Project Name: Livonia Schools - Central Office - Mono500 Flex

Proposal No: T-0006918732

Site Address: , , Michigan,

Total Sales Price: \$228,500.00

Customer

LIVONIA PUBLIC SCHOOLS

Date

Signature

Printed name

Appendix 1: Bid Attachment “A” / KONE Inc. General Terms and Conditions (Modernization)

1. APPLICATION OF THESE TERMS

The parties agree to be bound by the terms and conditions contained in the Bid Letter, this Bid Attachment A and Bid Attachment B, including the documents incorporated herein by reference (collectively, the “Proposal”).

2. SPECIAL PURCHASING REQUIREMENTS

This Proposal is made without regard to compliance with any special sourcing and/or manufacturing requirements including, but not limited to, Buy America, Buy American, U.S. Steel, FAR clauses, minority / disadvantaged supplier requirements or similar federal and/or state procurement laws. Should such requirements be applicable to this Project, KONE reserves the right to modify and/or withdraw its Proposal.

3. PROPOSAL CONDITIONS

The Proposal shall be open for acceptance within the period stated in the Bid Letter or, when no period is stated, for a period of 30 days from the date of the Bid Letter. Prior to commencing manufacture of the equipment described in the Bid Letter (“Equipment”), KONE must have (i) a fully executed contract; (ii) a schedule acceptable to KONE identifying the Equipment installation start date, or alternatively, KONE’s letter specifying the ship date (“Ship Date Letter”) signed by Customer, which, as applicable, is incorporated by reference herein; (iii) the first payment in Section 4 herein; and (iv) fully approved KONE layouts.

4. PAYMENT TERMS

Payment of the total Price is due within 30 days from invoice date, as follows:

- 30% of the Price for engineering, site management, and overhead, billable and due upon execution of this Proposal or receipt of the subcontract;
- 50% of the Price for material and shipping, billable and due upon delivery of material to the jobsite or KONE Distribution Center;
- 20% of the Price for Equipment installation, billable and due at the billing cycle following the start of installation.

KONE imposes a surcharge for payments made via credit card that is not greater than our cost of acceptance. The surcharge that we impose for this type of transaction is a percentage of the amount paid via credit card, which will be notified to the Customer at the payment portal. KONE reserves the right to delay, suspend, or stop the work, including manufacturing, delivery, installation and/or Equipment turnover, for non-payment, without liability to KONE or being held in default. Simple interest at 1.5% per month shall be charged on amounts not paid when due. Payments to KONE are not contingent on any third-party payments to Customer. Customer shall reimburse KONE for all costs of collection, including courts costs and reasonable attorneys’ fees.

Prior to turnover, KONE must be paid in full, less 10% maximum retention, the Price including all change orders. Retention shall be due and payable within 30 days of execution of the Uniform Final Acceptance or Equipment turnover, whichever occurs first. If certified payroll reporting is required, KONE will submit the requested reporting in the format of the U.S. Department of Labor form WH 347 & WH 348. The Price does not include Textura or any other special billing requirements, which can be added via change order at a rate of 0.3% of the Price.

5. INSTALLATION

Customer shall be responsible for procurement and cost of all permits, except permits related to installation of the Equipment. Where KONE’s scope of work or other responsibilities include the obligation to utilize materials and/or finishes resembling or identical to those pre-existing in the building, KONE shall use reasonable efforts to procure such materials and Customer acknowledges and accepts that the materials and/or finishes reasonably available may not be in all respects identical to those pre-existing in the building. This Proposal is conditioned upon KONE using its standard installation method. The installation of the Equipment shall start after Customer has completed all work set forth in Bid Attachment B and any other documents describing site requirements (“Site Requirements”), all of which are incorporated by reference herein. Within two (2) weeks prior to the scheduled delivery date for KONE’s materials, KONE shall conduct a standard visual site survey to verify that the Site Requirements are complete and notify Customer if there are outstanding deficiencies preventing KONE from beginning installation.

KONE’s site survey may include, but is not limited to, inspection of site access, working and safety conditions on site, wear and tear of any existing structures or surfaces, and planning of any dismantling or removal of existing equipment, components and materials, where applicable. KONE shall not be deemed to have surveyed any hidden structures, latent defects, subsurface conditions, or other non-visible matters, including but not limited to searching for hazardous substances and/or materials, which shall be subject to Section 16. If KONE’s site survey reveals any deficiencies, KONE shall be entitled to delay the start of installation and Customer shall be responsible for all additional costs incurred by KONE, including without limitation, costs associated with: labor reallocation, re-directing materials to and storage in a KONE Distribution Center, additional labor for double handling of materials, and additional trucking, freight and insurance. Once the Site Requirements are completed, the start of installation shall be subject to the availability of labor and the delivery of material, if applicable.

KONE’s work shall be performed during regular union working hours of regular working days, Monday to Friday, statutory holidays excluded. If overtime is mutually agreed upon and performed, the additional costs for such work shall be added to the Price at KONE’s standard overtime rates. If the installation cannot be performed in an uninterrupted manner for any reason beyond KONE’s control, Customer shall store the Equipment at Customer’s cost and compensate KONE for any costs caused by such delay including, but not limited to, double handling of Equipment and demobilization. KONE shall not be required to perform overtime or any Customer directed change to its work (“Extra Work”) without an executed change order. No action by KONE, including but not limited to, performing Extra Work without an executed change order, shall be a waiver of KONE’s right to seek payment for Extra Work performed.

KONE shall be entitled to an extension of time and an equitable adjustment in the Price, including but not limited to, any increased costs of labor, including overtime, resulting from any change of schedule, re-direction of KONE personnel to another work area, acceleration, or out of sequence work.

KONE shall take reasonable methods to protect its work-in-place while KONE is actively on site and until execution of a KONE Uniform Final Acceptance, which is incorporated by reference herein. Should damage occur to KONE property, material or work-in-place by fire, water, theft or vandalism, Customer shall compensate KONE for said damages.

Additionally, the Customer is solely responsible for ensuring that the equipment maintenance contractor, if not KONE, does not disturb, delay or interfere with KONE's work. KONE shall abide by Customer's safety policies and procedures to the extent such policies and procedures are not in conflict with KONE's Safety Policy. Testing and/or security features of Equipment must be completed before Equipment turnover. KONE is not responsible for damages, either to Equipment or the building, or for any personal injury or death, arising out of or resulting from any code required safety tests performed on Equipment or hoistway access granted by Customer to other trades.

6. TEMPORARY USE

Temporary use of certain types of Equipment may be permitted, provided the use period allows adequate time for Equipment restoration for final turnover and Customer executes KONE's Temporary Use Agreement. Temporary use shall be invoiced separately and subject to payment terms in Section 4 herein. At the end of temporary use, Customer shall return the Equipment to KONE in "like new" condition.

7. HAZARDOUS MATERIALS

KONE's work shall not include any abatement or disturbance of asbestos containing material ("ACM"), presumed asbestos containing materials ("PACM"), or other hazardous materials (i.e. lead, PCBs) (collectively "HazMat"). KONE shall have the right to discontinue its work in any location where suspected HazMat is encountered or disturbed. Any HazMat removal or abatement, or delays caused by such, required in order for KONE to perform its work shall be Customer's sole responsibility and expense. Should any HazMat abatement occur within the shaft or machine room, Customer shall execute KONE's Hoistway or Pit Access Request. If any HazMat is known to be present on site before the start of work, HazMat removal or abatement shall be completed prior to KONE scheduling installation and delivering material.

8. TITLE AND RISK TO EQUIPMENT

Title to and ownership of all Equipment intended for incorporation in KONE's work, whether installed or stored on or off site, shall remain with KONE until final payment is made. Risk of loss in KONE's work and Equipment passes to Customer upon delivery to the site or off-site storage.

Any tools, devices, or other equipment that KONE uses to perform its work or monitor the Equipment remains the sole property of KONE. If this Proposal terminates or expires for any reason, Customer will give KONE access to the premises to remove such tools, devices or equipment at KONE's expense.

9. TURNOVER

Prior to turnover, KONE must receive a final punch list. Upon turnover, KONE requires a signed Uniform Final Acceptance. KONE shall provide its standard electronic O&M manuals with CD-ROMs in electronic format, if applicable, upon execution of the Uniform Final Acceptance. Standard KONE samples shall be provided upon request. No mock-ups or video training are included in the Price.

10. DELAY

KONE shall not be liable for any loss, damage, claim, or delay due to any cause beyond KONE's control, including, but not limited to, acts of domestic or foreign government (including a change in law), strikes, lockouts, work interruption or other labor disturbance, delays caused by others, fire, explosion, theft, floods, inclement weather, riot, civil commotion, war, malicious mischief, infectious diseases, epidemic, pandemic, quarantine, border or port of entry and exit restrictions or acts of God.

In the event of such delays, KONE shall be entitled to an extension in time equal to the length of such delay affecting KONE and an equitable adjustment in the Price. Customer shall compensate KONE for labor and material cost escalations resulting from Project delays not caused by KONE, which extend completion of KONE's work beyond the end of the current calendar year. Customer is on notice that IUEC labor rates increase annually.

11. LIMITED WARRANTY

For one (1) year after the acceptance date set forth in the signed Uniform Final Acceptance, date of Equipment turnover, or date of Customer's use of Equipment (unless such use is pursuant to the Temporary Use Agreement), whichever occurs first, KONE warrants Equipment against defect in workmanship and material. The warranty excludes remedy for damage or defect caused by abuse, misuse, vandalism, neglect; repairs, alteration or modifications not executed by KONE; improper or insufficient maintenance, improper operation, characteristics of the building such as electrical power or security features, natural or other catastrophe such as flood, fire, or storm, or normal wear and tear and normal usage. The warranty excludes training or instruction in the proper operation or maintenance of Equipment. Specific noise ratings and energy efficiencies cannot be guaranteed due to different building characteristics and ambient noise levels. Customer's remedy is limited to repair or replacement of a defective part, in KONE's sole discretion, and excludes labor.

12. INDEMNIFICATION

KONE shall only indemnify and hold Customer harmless for claims, damages, losses or expenses, but excluding loss of use ("Claims") due to bodily injury, including death, or tangible property damage (other than the Project or KONE's work itself) to the extent caused by KONE's negligent acts or omissions. KONE shall not indemnify Customer for any other Claims. Customer agrees to indemnify and hold KONE harmless from any Claim for bodily injury, including death, or tangible property damage in connection with the use or operation of the Equipment. Each party shall defend itself in the event of a Claim.

13. INTELLECTUAL PROPERTY

KONE shall retain title and ownership of all intellectual property rights relating (directly or indirectly) to the Equipment provided by KONE, including but not limited to software or firmware (whether in the form of source code, object code or other), drawings, technical documentation, or other technical information delivered under the Proposal. KONE grants Customer a non-exclusive and non-transferable license and right to use the software and firmware in connection with the use and maintenance of the Equipment. Customer shall not use any drawings, technical documentation or other technical information supplied by or on behalf of KONE for any purposes other than those directly related to the Proposal or to the use and maintenance of the Equipment. Customer shall not in any form copy, modify or reverse engineer the software, or give access to the software for such use to any third party without KONE's prior written consent.

14. INSURANCE

In lieu of any Customer insurance requirements, KONE shall provide its standard certificate of insurance, which shall be deemed to satisfy all insurance requirements for this Project. KONE shall not provide loss runs, insurance rate information, copies of its insurance policies or any other information which KONE considers confidential. KONE shall not provide coverage for professional (E&O) liability, pollution liability, data privacy/security, or no-fault medical payments. If the Project is covered by a Wrap Up Insurance Program, KONE agrees to participate provided there is no cost to KONE, no reduction in the Price, and subject to KONE's review of the proposed program. If KONE's primary limits are sufficient to satisfy insurance coverage requirements, excess/umbrella liability will not be required or if excess/umbrella is required, KONE's excess coverage does not follow form although typically provides broader coverage than KONE's primary policies. The excess coverage is not AM Best Rated nor licensed to do business within the jurisdiction although the carrier has strong Standard & Poor's and Moody's financial ratings that may be evidenced upon request.

15. LIMITATION OF LIABILITY

In no event shall either party be liable to the other party for any consequential, special, punitive, exemplary, liquidated, incidental, or indirect damages (including, but not limited to, loss of profits or revenue, loss of goodwill, loss of use, increase in financing costs) (collectively, "Consequential Damages") that arise out of or relate to this Proposal even if such party has been advised of the possibility of such Consequential Damages. The limitation set forth in this section shall apply whether the claim is based on contract, tort or other theory.

16. CONCEALED OR UNKNOWN CONDITIONS

If during the course of its work, KONE encounters conditions at the site that are subsurface, differ materially from what is represented in the contract documents, or otherwise concealed physical conditions, KONE shall be entitled to an extension of time and additional costs for the performance of its work, which shall not be subject to any payment conditions or contingencies.

17. TECHNICAL SURVEY

KONE's Price and obligations under this Proposal are subject to a technical survey to be performed on Customer's existing units within 90-days of the effective contract start date. If a safety hazard or code violation is identified during KONE's technical survey, Customer shall immediately remove the unit from service until repairs are performed. KONE is not obligated to perform tests, correct outstanding violations or deficiencies that were not addressed by the prior service provider and/or the owner, or make related necessary repairs or component replacements on the unit. If additional work is necessary, KONE shall provide a separate proposal or recommendation for such work. Customer agrees to indemnify, defend, and hold KONE harmless for any claims arising out of Customer's failure to comply with KONE's recommendations and proposal, and any obligation on the part of KONE to indemnify or defend Customer with regard to such claim shall be null and void. If Customer does not immediately approve KONE's proposal or recommendation, KONE reserves the right to terminate this Proposal/contract without penalty.

18. TERMINATION

If a party materially breaches this Proposal, the other party shall provide written notice of the breach and a reasonable time to cure the breach, but in no event less than 30 days. If the breaching party fails to cure the breach within the specified time period, the non-breaching party may terminate the Proposal upon 15 days written notice to the other party. If KONE notifies Customer of a material breach pursuant to this paragraph, KONE may temporarily suspend its work without liability.

19. GOVERNING LAW AND DISPUTE RESOLUTION

The parties agree that this Proposal shall be governed by the laws of the state where the Project is located, and venue for disputes shall be located in that state. KONE does not agree to participate in arbitration proceedings.

20. PRICE ADJUSTMENT

KONE shall be entitled to an equitable adjustment in the Price, including but not limited to, any increased costs between the time the Contract is signed and the date of manufacture for materials, labor, or shipping, as well as increased costs resulting from any change in law or tariffs.

21. 24/7 EMERGENCY VIDEO COMMUNICATIONS

Applicable only for projects where KONE 24/7 Emergency Video Communications is included: The KONE 24/7 Emergency Video Communications contract addendum and General Terms and Conditions for KONE Digital Services must be signed by the Building Owner. This contract addendum requires the Building Owner to pay a fee for audio, video, and data connectivity. This payment obligation, among other provisions, survives termination of any maintenance agreement.

22. MISCELLANEOUS

This Proposal, including the documents incorporated herein by reference, constitutes the entire agreement of the parties and supersedes all prior negotiations, understandings, and representations whether written or oral in relation to the subject matter hereof. Where a conflict or ambiguity exists between this Proposal and any other contract document (including but not limited to, Customer's drawings and specifications), the terms and conditions of this Proposal shall control. This Proposal may be amended only in writing by the duly authorized representative of both parties. This Proposal may be executed in one or more counterparts. Each counterpart shall be considered an original and all of the counterparts shall constitute a single agreement binding all the parties as if all had signed a single document. For purposes of executing this Proposal, a document signed by electronic means is to be treated as an original document. The failure of either party to insist upon performance or strict performance of any of the terms or conditions of this Proposal shall not be deemed a waiver of any rights or remedies that such party may have or a waiver of any subsequent breach or default under this Proposal. Neither party may assign or transfer the benefit or burden of this Proposal without prior written consent of the other party.



Appendix 2: Bid Attachment “B” / Site Requirements & Work by Other Trades

The work described below is a summary of work to be performed by others (“Work by Other Trades”) that may be required in conjunction with the elevator modernization performed by KONE (the “Work”). Purchaser shall provide any and all building electrical, structural and mechanical system upgrades required for code compliance, life safety, and proper equipment installation and operation. The Authorities Having Jurisdiction (AHJ) may require additional remedial or preparatory work. All required remedial or preparatory work shall be performed by properly licensed trade contractors in compliance with applicable codes and based on a schedule of performance that allows for uninterrupted progress of the Work. Under no circumstances shall KONE be responsible for any cost associated with the performance of remedial work by others. Purchaser shall provide the following unless specifically included in KONE’s Work:

1. GENERAL

Access to the building to perform the Work and for deliveries with dry, protected storage adjacent to the hoistway.

Cutting of existing walls, floors and finishes, together with all repairs made necessary by such cutting or changes, e.g. cutting of lobby walls for flush hall fixtures and removal of encroaching lobby features such as wall-mounted ashtrays. Removal, replacement, and/or repair of any mirrors, millwork, plaster, stone or other special hall finishes.

All work of other trades must be complete and ready at time of first elevator inspection, or elevator will not be released for operation by the AHJ. If the AHJ does allow temporary operation under a Temporary Operating Inspection (TOI), any associated costs shall be Purchaser’s responsibility. Our tender is based on suitable site conditions, material and tooling storage space, and bathroom access being available on site.

Any portion of the Work that is subject to the permissions of local authorities beyond the elevator permits must be identified to KONE. Responsibility for permits to be agreed. Permits and appropriate signage indicating any changes to pedestrian access routes for building users must be in place prior to start of the Work.

Provide and install finished elevator cab flooring. Owner must provide certification that flooring meets flame spread and smoke density requirements. (ASMEbA17.1/CSA B44 sec 2.14.2.1).

Our proposal includes tear out of existing elevator equipment unless stated otherwise in our proposal. Remove of entrances, if required, is by others unless stated otherwise in our proposal.

KONE is unable to estimate the amount of on-site mechanic labor required to coordinate the work of other trades unless stated otherwise in the proposal. Thus, KONE has not included any additional time and/or costs (outside of the equipment installation and inspection time) for coordination with the life safety system, security system, or any other trades. KONE shall be entitled to an extension of the contract time and/or additional costs incurred by additional time expended for coordination with other trades.

Fire extinguisher inside machine room.

Minimum clear machine room height of 7’-0”/2130mm.

Must have adequate temporary or permanent lighting for installation purposes. Suitable lighting that provides a minimum of 19 ftc at floor.

If KONE 24/7 Emergency Video Communications: For units with travel greater or equal to 60 ft (18 m), or if located in a seismic zone and the code year is 2016 or later (regardless the travel): Customer will provide a dedicated Windows-based PC or laptop with Chrome browser and 24-hour/day Internet access. This computer must be accessible by emergency personnel to communicate through voice and text with people in the elevator and to have a video display of the cab interior.

2. SAFETY

Emergency evacuation procedures to be clearly defined where required. Subject to site survey and actions agreed.

Provide free-standing, removable, OSHA-compliant barricades capable of withstanding 200lb (890N) of force in all directions around all hoistway openings per OSHA 29 CFR 1926.502, and/or any applicable local code.

Provide and install full-covering entry protection, made of nylon mesh or reinforced plastic, at all hoistway openings to prevent materials or tooling from falling into the elevator shaft during installation per Federal OSHA requirements listed in 29 CFR 1926.502(j). In Canada, where required by Provincial regulation, enclose the front of the hoistway with removable hoarding or screening to prevent material from entering the hoistway. Design and install entrance protection in such a way as to allow quick accessibility in and out of the hoistway.

Provide two (2) lifeline attachments at the top, front of the hoistway. Each must be capable of withstanding a 5000 lbs/2250 kg load per OSHA 29 CFR 1926.502, or any applicable local code. For machine-room-less applications, provide attachments as described above, or install KONE-provided 4” x 4” x 3/8” (100mm x 100mm x 9.6mm) tube steel lifeline beam in the elevator hoistway overhead 10”/254mm from front of hoistway to center line, with bottom of lifeline beam at same elevation as bottom of hoisting I-beam. Lifeline tube steel supplied by KONE by request at no additional cost on US installations only.

Safe working environment must be provided and supported by provision for adequate entrance protection, means of hoisting, hoistway dividing screens, and protection of floors walls and doors etc.

3. CONTROL SPACE/MACHINE ROOM

Provide a code-compliant, fire-rated, control space/machine room with access as indicated on the KONE final layout drawings. To include a temporary or permanent door that can be locked from outside. Permanent fire-rated door must be self-closing, self-locking, and require a key to open from outside.

Provide or maintain fire rating as required by building code.

Independent ventilation or an air conditioning system for the elevator machine room, to assure temperature is maintained between 65F/18C degrees and 95F/35C degrees. Maximum allowed humidity is 95% non-condensing.

Locate connection points at elevator hoistway. Consult your KONE representative for confirmation of location and type of temporary power.

Fuses are to be current limiting class RK1 or equivalent. Circuit breakers are to have current-limiting characteristics equivalent to RK1 fuses. Provisions of these fuses are the responsibility of others, not



Removal of any non-elevator related equipment and materials from within the machine room and proper disposal of oil and other hazardous or non-hazardous substances and materials.

If control space is adjacent to the hoistway, provide all applicable sleeves, or penetrations, located per control space plan view on the KONE final layout drawings.

Provide a clean and dry elevator machine room.

If applicable, provide a governor access door of size and location shown on the KONE final layout drawings. The access door shall be secured against unauthorized access. It shall be self-closing, self-locking and operable from the inside without a key.

4. ELECTRICAL

A properly rated three phase fused disconnect switch, externally operable and lockable in the open position, located as required by code. Accommodate any increases in motor size or feeder loads.

A dedicated 110 VAC fused disconnect switch, externally operable and lockable in the open position adjacent to the machine room door for cab lighting and ventilation, located as required by code.

Shunt-trip disconnect if fire sprinklers are present in machine room or hoistway.

GFI 120 VAC convenience outlets in machine room and pit.

Separate outlet in the pit area if a sump pump is installed.

Telephone line service brought to the elevator machine room for emergency communication device.

Any required RF shielding of TV or radio transmitters, antennae and/or wave-guides.

Conduit with pull boxes from each elevator bank to any remote fire control or communication panels specified.

If required by building code, standby/emergency power, sufficiently sized to provide power of permanent characteristics to each elevator's disconnect, simultaneously, upon loss of regular power, including feeders, transfer switches and auxiliary contact signal outputs to elevator controllers.

Where applicable, provide 220 VAC single-phase temp. power and 115 VAC single-phase temp. power, of permanent characteristics at each elevator landing for lighting and installation method tools.

Provide for installation of hoisting I-beam in the elevator hoistway overhead per the KONE final layout drawings. Beam supplied by KONE unless otherwise noted on the layout drawings.

Provide adequate support for guide rail brackets from pit floor to the top of the hoistway. Locate rail backing per KONE final approved layout drawings. When maximum bracket span is exceeded, additional support shall be provided at purchaser's expense. Any bracket mounting surface that is not in line with the clear hoistway dimension detailed on the approved KONE final layout drawings may need to be corrected to meet the proper dimension at purchaser's expense.

KONE.

Provide a separate 15-amp, 115 VAC fused service with ground (powered by building emergency power system, when available) for KONE 24/7 Emergency Video Communications, when specified. Must include the means to disconnect each service and lock-off in the "open" position (NFPA 70 article 620.22 and 620.53 or CEC article 38.22 and 38.53).

5. HOISTWAY

Provide a clear and plumb hoistway of size shown on approved KONE final layout drawings. Any variations from the detailed dimensions may not exceed 2"/50 mm and may not be less than the clear dimensions detailed (tolerance: -0"/0mm + 2"/50mm). Provide or maintain fire rating as required by building code.

Our tender is contingent on the results of a laser survey of the elevator hoistway performed by KONE to determine suitable hoistway conditions.

Patching of all holes in hoistway walls with fire rated material.

Beveling all ledges within hoistway measuring over 4"/100mm.

Removal of any non-elevator related equipment and materials from within the hoistway and proper disposal of oil and other hazardous or non-hazardous substances and materials.

A guarded light fixture and light switch in pit. Switch must be located 42"/1065mm above the lowest landing floor level.

A means of displacing water located in the pit and containing and disposing of oil, chemicals, and other substances in compliance with environmental laws and regulations (KONE assumes no responsibility for discharge of oil, chemicals, and other substances into storm water systems, sanitary sewer systems, retention ponds, etc.). Sumps and/or sump pumps (where permitted) located within the pit may not interfere with the elevator equipment. Sumps to be covered with flush mounted, non-combustible cover capable of withstanding 150 lbs per square foot (7 kPa). The sump pump/drain must, at minimum, remove 3,000 gal/h (11.4 m³/h) per elevator.

Elevator hoistway ventilation to the outside atmosphere as required by building code.

Provide a legal, dry and clean pit, built per KONE final layout drawings. Pit shall be reinforced to sustain vertical forces detailed on KONE final layout drawings (vertical forces detailed are two times the static loads).

power, car lighting power, car ventilation power, car heating power, car air conditioning power, control signals, communication with the car and fire/heat-detecting systems control signals to Fire Service Access Elevators, shall be protected by construction having a fire-resistance rating of not less than 2 hours (APPLICABLE ONLY IN JURISDICTIONS ENFORCING THE IBC BUILDING CODE OR ANY APPLICABLE LOCAL CODES).

Provide and install GFCI-type receptacle located at machine in the top of the hoistway or in machine room as applicable (NFPA 70 article 620.85 or CEC article 38.85 whichever is applicable).

Provide and install light switch located at manual brake release

If concrete block wall construction, refer to the approved KONE final approved layout drawings for proper installation of rail bracket attachments. Inserts provided by KONE unless otherwise noted on the approved KONE final approved layout drawings. Insert type must be approved by KONE. Concrete masonry units, mortar and grout, shall conform to IBC 2000 or any applicable local code. Concrete masonry units shall have a minimum compressive strength of 1500 PSI (10.5 MPa). Mortar and grout shall have a minimum compressive strength of 2000 PSI (13.8 MPa).

When entrances are being replaced, arrange for entrance walls to be constructed at the time doorframes and sills are installed to facilitate timely installation of hall fixture faceplates.

Entire front wall must be left open at top and bottom landings until elevator equipment is installed. Intermediate landings must have rough openings of the size and location shown on KONE final approved layout drawings to allow installation of entrances. All entrance openings must be aligned vertically. Adequate support for entrance attachment points shall be provided at all landings. Any marble, stone or similar wall material must be prepared after the entrance frames are installed. Provide corridor lines for any marble or "special finish" walls.

When entrances are being replaced, provide elevator landings suitably prepared to accept entrance sill installation per KONE final layout drawings. Grouting to be done by purchaser after sills are installed. Note: Traditional angle or concrete sill support is not required.

If the control space is located remote from the elevator hoistway top landing the following may apply:

1. If applicable, provide machine space access door of the size and in the location shown on the KONE final layout drawings. The access door shall be secured against unauthorized access. It shall be self-closing, self-locking and operable from the inside without a key.
2. Provide suitable lighting in or above the machine space access with light switch located within 18"/457 mm of strike jamb side of access space door where practical. When permitted by state and local code the light switch should also control the machine space lighting.
3. Conductors and cables located outside of the elevator hoistway, machine space and control space, that provide normal or standby

location: may also be required in control space per local jurisdiction.

6. FIRE SERVICE

Fire alarm smoke detectors with wiring and relays in the machine room terminating at elevator controller.

Fire alarm initiating devices must be located in front of each elevator entrance as well as in the machine room and at the top of the hoistway.

Where sprinklers exist in the machine room and/or hoistway, a fire alarm initiating device within 12"/305mm of each sprinkler head.

7. ACCESS INTEGRATION/SECURITY

Our proposal includes KONE logic and possible requested provisions for the specified Touchscreen(s), Keypad Destination Operating Panel(s), Monitoring System(s) and Multi-Media Equipment.

Card Readers and/or any additional required hardware & software for proper functionality of access control/security system(s) shall be furnished and installed by others.

Any required software to ensure proper communication between KONE control system(s) and building system(s) shall be the responsibility of others.

A designated 115V 15A circuit is required at each of the remote monitoring stations.

KONE recommends a minimum 100 Mbit/s Ethernet for each of the following application(s): Integrated Touchscreen/Keypad Destination Operating Panels, Monitoring System, Multi-Media Equipment, and Card Readers.