Educational Specifications

Ector County Independent School District

Issued: March 22, 2024

ECISD

OUR students...THE future

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INTRODUCTION

As Ector County ISD grows and builds new schools or renovates existing schools, the District is committed to creating future-focused learning environments that meet the needs of new generations of learners. These new construction projects must align with the Board-adopted Strategic Plan, including its Core Beliefs & Mission to inspire and challenge every student to be prepared for success and to be adaptable in an ever changing society. The District also believes that student success is best achieved in a supportive climate and safe environment.

ECISD is committed to producing graduates who have a rigorous academic foundation as well as other attributes that focus on the whole student. The construction of new schools and classroom additions provides Ector County ISD an opportunity to design and build these learning environments. With this goal in mind, keeping an eye on student-centered learning and other future-focused design concepts outlined in these School Education Specifications.

The Texas Education Agency requires all school districts to create and review a written educational program that guides the design process of new proposed facilities or major renovations. These educational specifications should include a description of the proposed project and a range of issues and alternatives to be considered. During this process, the district shall allow for input from teachers, other school campus staff, and District program staff in developing the educational specifications.

Educational specifications are necessary as they provide the link between learning and the design of educational facilities. They outline essential educational concepts and detailed facility needs, considering community values, current and future educational delivery, and the impact of technology on learning.

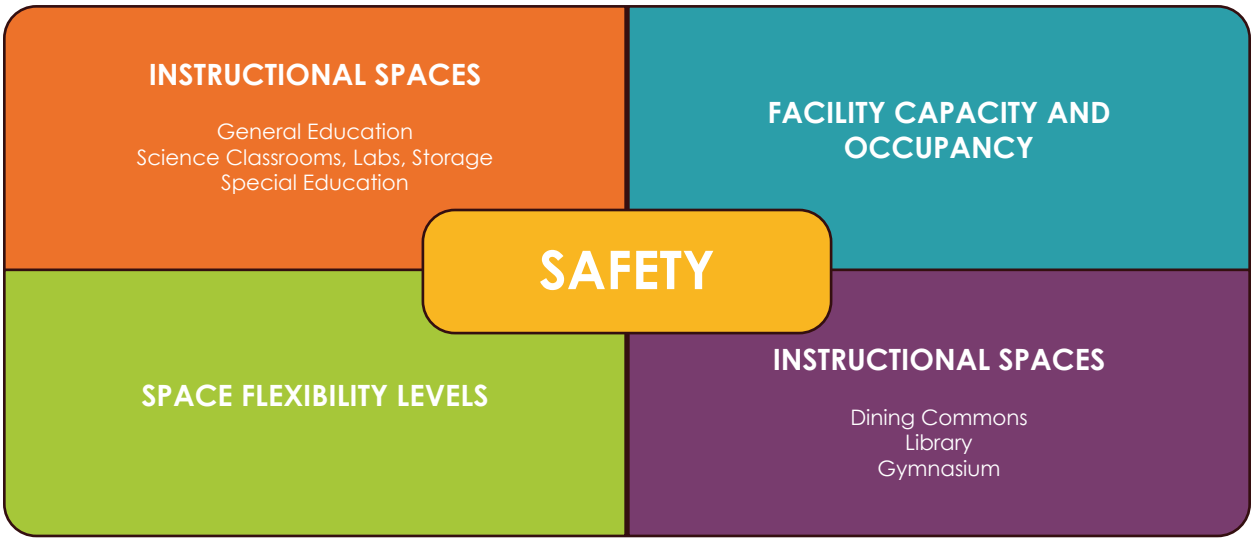
Educational specifications are an integral part of the Ector County Independent School District Long Range Strategic Plan and they have been developed to support the District's vision and strategic goals. Educational specifications should support the overall educational goals of the District, yet be nimble enough to allow for the effective and efficient design of school facilities.

The educational specifications provide specific facility needs required to complement the District's educational delivery model. They also provide consistency among similar project types between campuses to reduce inequities and simplify the planning process of future projects.

It is important to note the intent of these educational specifications should be used as a tool for communicating the physical requirements of learning environments between educators, design professionals, and community members. This document should also be used as a guide for assessing current facilities and identifying future facility priorities. It is important to keep in mind that this is the initial document and is only the starting point for discussions regarding ECISD facilities. This document is expected to evolve as the District evolves and will need periodic updates.

Educational Specifications (Ed Specs) are strategically aligned to the district's vision, mission, and educational goals. They guide the design process of new facilities or major renovations to existing structures. The information is intended to be used in conjunction with the educational and strategic goals of Ector County ISD and the District's overall Long-Range Facility Master Plan. The Ed Specs are to be made available to design professionals prior to the commencement of capital improvement projects. This satisfies the Texas Education Agency (TEA) requirements relating to written educational program documents.

Effective for all capital improvement projects beginning Nov. 1, 2021, and thereafter, Texas School Districts are required to comply with new TEA standards. Spaces and issues addressed in these standards include:



Educational Specification documents are intended to guide planning in a way that creates consistency from campus to campus, increasing equity while remaining fluid enough to allow for innovative, effective, and efficient school design. Content identifies essential instructional concepts and detailed facility needs, taking into consideration current and future educational delivery models, the role technology plays in the instructional environment, and the shared values of community members and educators.

Educational Specifications serve the following purposes:

1. Communicate district expectations regarding parity across district educational facilities and establish expectations for future designs or renovations.

2. Form consensus among educators at the District Leadership level regarding grade level alignments, capacity calculations, and establish parameters for campus input, as well as campus type levels regarding space type activities, tools, and aesthetics.

3. Establish a benchmark which creates a baseline condition to facilitate future assessments, helps establish consistency/equity across district educational facilities, and measure the alignment of physical environments with educational models.

Educational Specifications consider multiple sources of compliance inclusive of the Texas Education Code, State, City/County and other Regulatory entities. There is little to no room for how these rules are interpreted. District standards around space, technology, and security create boundaries for the development of specifications. Campus flexibility and customization guidelines are established to meet the desired educational outcomes.
Minimum Requirements:

1. District mission, vision, goals, and pedagogy expectations:

   The district's current mission, vision, and goals are to be included in the Educational Specifications. The Educational Specifications should be updated to reflect updates and changes as they are made. ECISD leadership is required to identify minimum expectations relating to pedagogy identifying frameworks and techniques to be used for teaching in learning.

2. Details related to facility type, grade levels served, and maximum student enrollment:

   Educational Specifications identify the specific types of facilities a district will use for instructional purposes and what grade levels will be served at each facility. ECISD leadership has determined the maximum student enrollment in each classroom. Room size specifications accommodate the state maximum of 22 students per classroom in grades PK-4. There is no maximum student enrollment designated by TEA for grades five and above in general education classrooms.

3. Pertinent provisions of the multi-hazard emergency operations plan that informs the functionality of facilities:

   At minimum, TEA requires districts to identify communication infrastructure for every classroom and access control information for all exterior doors. Project scope and construction budget determines what additional safety measures must be included in the Educational Specifications.

Project Budget	Added Safety Measures
$1 M to $5 M = 1 additional measure (any)	Exterior Door Numbering
$5 M to $10 M = 2 additional measures (any)	Visitor Management
>$10 M = All 3 additional measures required	Security Cameras

4. Guidance on inclusive design and how it is addressed through facility design:

   Through the Educational Specification development process, district team members identified expectations for inclusive design as it pertains to the full range of human diversity. This includes, but is not limited to, designing for varying levels of ability when it comes to mobility, dexterity, eyesight, hearing, and memory of the intended audience. Information contained in this section guides designers in how to develop experiences that serve as many people as possible.

5. Minimum total square footage required to comply with TEA methodologies:

   TEA allows districts to choose between two space calculation compliance methodologies – quantitative versus qualitative – which are also dependent upon the flexibility level. School Board members are required to approve and adopt direction on the compliance methodology and flexibility level prior to the design phase of any capital improvement project started after Nov. 1, 2021.

Disclosure Statement:
TEA has not provided clarity around if a district is required to bring all spaces in a building up to compliance when making renovations. Ector County ISD should consult with their attorney to make appropriate decisions regarding existing spaces during renovations and additions.

OVERVIEW | CONSIDERATIONS

The Educational Specifications cover a broad range of information but are not intended to be all inclusive. This document is a MINIMUM REQUIREMENT document. The district will determine where it is appropriate and necessary to require architects to design buildings on a larger scale.

APPLICATION OF THE EDUCATIONAL SPECIFICATIONS

The Educational Specifications identify specialty programmatic spaces that are current and relevant to Ector County ISD in 2023. This document is not intended to communicate that all specialized programmatic spaces will be provided in all future buildings. All design professionals should confirm programmatic inclusion during the project scope work. Specialized programs include Special Education, Fine Arts, Physical Education, and Career and Technical Education.

Ector County ISD maintains current district standards for building, technology, safety and security, and specific programs. The district standards should be referenced during the design and building process. Where the Education Specifications and the district Standards contain different information, it is the responsibility of the architect to confirm district desires at the time of design.

When planning for future bond projects, the district should use programming documents to guide decisions regarding square footages and pricing. The Education Specifications are minimum requirements and may not accurately reflect the total square footage that Ector County ISD desires in a new space.

Consideration should be given to the following guiding principles:

FLEXIBILITY

- Mobile and flexible furniture that encourages responsiveness to different situations.
- Allows for teachers and students to present and engage through various environmental configurations.

ACCESSIBILITY

- Easy and frequent exposure to natural lighting and outdoor spaces.
- Infrastructure that supports 1:1 device opportunities as well as desktop capabilities for some classrooms.
- Inviting and engaging environments that promote community involvement.

OVERVIEW | CODES

STATE STANDARDS AND LOCAL CODES
All Ector County ISD schools shall comply with the following:

- Texas Education Agency's School Facility Standards, Texas Administrative Code, Chapter 61, Subchapter CC, Rule 61.1040 for all construction on or after November 1, 2021
- Architectural Barriers Texas Accessibility Standards (TAS), adopted in 2012
- Building codes as adopted by the cities within the Ector County ISD boundaries. In the case there is no code adopted, schools shall abide by the current version of the International Building Code.

OVERVIEW | SAFETY AND SECURITY

Student and staff safety in our schools is of paramount importance and must be viewed as a priority consideration of these Educational Specifications. Ector County ISD best practice guidelines follow the mandated TEA standards (Updated fall 2021; May 2023).

Site Security Guidelines

- Each Site should have a minimum of 2 main access points / drive approaches to support traffic control and First Responder access.
- Provide fencing around all portable buildings tying back to main campus.
- Visibility is the primary deterrent. Landscaping must not provide places to hide or mask windows from street view.
- Provide LED exterior lighting judiciously placed to enhance visibility and deter wrongdoing.
- Site and Directional Signage should be reviewed no later than Design Development with Planning & Construction.

Building Security Guidelines

- Fire Safety minimum requirements as outlined in code should be used for reference and compliance.
- Building design should simplify corridor design to minimize hidden areas and help with supervision. Minimum clear hallway widths should not be reduced by backpack storage or lockers.
- Provide overhead gates to divide off certain areas of the building for after hours use. Confirm locations with Fire Marshal and coordinate automated controls tie-in to Fire Alarm Control Panel.
- Provide evacuation maps for district's use and identify shelter in place locations on map. All areas of refuge should be confirmed with ECISD.
- In secondary campuses, locate SRO / Police Officer office outside of Admin Suite, but nearby. Provide direct access to Main Hallways, as well as a nearby exterior door.
- Provide intrusion alarm keypads at front office, kitchen exterior door, classroom doors. See door.
- Provide 2–way communication system at all classrooms.
- Provide vision panels in all learning environment doors.
- Classroom door locks should allow classrooms to remain locked at all times.

SUPPLEMENTAL RECOMMENDATIONS | REQUIREMENTS

Entry Point Guidelines

- A single point of entry for visitors to the campus will be provided as part of all new and campus renovations. This is accomplished using a secure entry vestibule.
- Limit the number of entries/exits to a campus wherever possible, while still meeting emergency egress requirements as outlined by the governing building codes.
- Secondary exits will be monitored (contact sensors + security cameras) and access gained only through card reader activation.
- All instructional facilities campus-wide, including portable buildings, must include the addition of **graphically represented alpha-numerical characters** on both the interior and exterior of each door location. Start with Main Entry door and number in clockwise direction.
- Include key-card access on exterior doors for new and renovated buildings.

Security Camera Guidelines

- Security Camera quantity will be based on building configuration; review early in Schematic Design with ECISD Administration, representatives from School Safety Team, as well as ECISD campus police.
- Security Cameras should be positioned to capture all entry points, major courtyards, service courts (generator set), outdoor learning spaces, and bus drop off. Include any exterior areas that are "hidden" from passive observation based on final building configuration.
- Pre-Wire for future video and audio feeds from Special Education Rooms per Senate Bill 507.

Access Control System Guidelines

- Develop a document that designates each exterior door of each instructional facility campus wide as either primary, secondary, or non-designated entrances.
- Kitchen / Service entry to receive card reader, annunciation bell, and Security Cameras. No remote release needed.
- Access Control System Locations:
    - The security vestibule at the school's primary entrance
    - Select doors as deemed necessary for staff access
    - All doors into Administration area from lobby and from all the surrounding corridors

Programming Checklist

- The following topics should be reviewed, and requirements documented during the Programming Phase of the project. Meeting to include representation from ECISD Administration, representatives from School Safety Team, as well as ECISD campus police.
- Current TEA Standard policy alignment
- Police / Security Officer campus presence
- Camera-Phone locations
- Secured Entry Vestibule | Placement of Security Film
- Access Control Points | Intrusion Alarm System
- Security Cameras | Remote monitoring capabilities
- Site Fencing | Site Lighting
- Lockdown protocols | Panic Buttons | Electronic Door Hardware
- Typical Hardware Sets
- PA System | Emergency Communication Links
- Panic Alert System

STRATEGIC PLAN 2019-2024

In March 2019, the seven Ector County ISD Trustees plus the Superintendent began work on a strategic plan to guide the District for the next five years. From their initial work came the overarching Vision. Over the next year, more than 100 people – school district leaders, campus leaders, teachers, students, parents, and wide array of community members – strove to create a plan that will carry out the District's Mission.

"Believing OUR Students are THE Future, the mission of Ector County ISD is to inspire and challenge every student to be prepared for success and to be adaptable in an ever-changing society."

The strategic planning team worked from the foundation of 12 fundamental **Beliefs.**

Receiving a quality education is a fundamental right for every student
Preparing our graduates for success after high school
Engaging in learning is a shared responsibility between students, staff and parents
Valuing our students, staff, parents and community
Identifying a pathway for success for every student to become a leader
Providing a consistent and viable education for every student
Recruiting, retaining, and developing the best people
Making decisions that are driven by the needs of students
Setting each other up for success
Upholding community traditions and civic engagement
Embracing diversity
Learning that is supported by safe and healthy student classrooms and school culture

From this work came three areas of focus; three strategic themes - Foundational Excellence, Talent Development, and the Learning Journey.

Our new strategic plan is not just a long list of boxes to check. It is a theory of action, if implemented well, it will forever influence and change the paths of our students. Their future is in our hands, and **The Future is Now.**

THE FUTURE IS NOW
Foundations • Talent • Learning

FOUNDATIONAL EXCELLENCE

We will create an organization that operates with excellence today, while continuously researching and developing tomorrow's practices. We will be a district of leaders.

STRATEGIC PLAN PROJECTS:

Systematize Social Emotional Learning
ECISD will build a district-wide awareness and commitment to develop, implement and integrate Social Emotional Learning (SEL) initiatives district wide acquiring and applying the knowledge, skills, and attitudes to develop healthy identities, manage emotions and achieve personal and collective goals, feel and show empathy for others, establish and maintain supportive relationships, and make responsible and caring decisions. Additionally, ECISD will develop an adult collective understanding and shared vision of SEL that creates systemic change where SEL can thrive and advance educational equity and excellence through authentic school-family-community partnerships.

Systematize Equity Based Funding
ECISD will systematize equity based funding which allocates non payroll budgets to schools based on student population and individual student needs so that schools can serve students with the appropriate support and resources.

Incorporate Modified Zero-Based Budgeting
ECISD will incorporate modified zero-based budgeting which allocates non payroll budgets to departments based on prioritized needs and specific requests so that departments provide intentional and effective support services.

Develop Long Range Facilities Master Plan
The LRFP will bring our facilities up to date through a long range building replacement cycle.

Develop Efficient Systems to Increase Productivity in Operations
By developing and implementing efficient operational systems, ECISD District Operations will ensure improved facilities and operational processes, therefore elevating the student, staff, and community experience in our buildings and on our buses.

Attain Data Interoperability
Achieve accurate, accessible and timely data for district analysis.

Earn Trusted Environmental Seal
ECISD will make adjustments to current practice that will enhance district processes that ensure student and business data security and earn the national Trusted Learning Environment seal.

Establish District Technology Standardization
Modernize tech standards by establishing a mobile device standard and equipping classrooms/spaces with a wireless canopy.

Provide Home Internet Connectivity
Ensure all ECISD students have broadband access at home.

ECISD Strategic Themes

TALENT DEVELOPMENT

We will invest in talent; recruit, train and retain quality people committed to equipping our students for the future.

STRATEGIC PLAN PROJECTS:

Strengthen Professional Learning Communities
Implement Professional Learning Communities with fidelity following the Relay Model in Data Driven Instruction process, develop TEKS know/show, and engage in Observation/Feedback in order to build the capacity of teachers.

Implement Personalized Professional Learning
Ector County ISD will grow all staff to be highly effective to provide a quality educational experience for all students. By engaging in job-embedded, personalized professional learning. Staff will add to their skill set and be supported to promote staff retention and create pathways for advancement.

Cultivate Talent Pipelines
Ector County ISD will develop systems to strengthen the qualified pool of potential candidates for positions within ECISD thus reducing openings and the cost and time to hire.

Incorporate Strategic Staffing and Compensation
Ector County ISD will use strategic staffing to optimize the current and future workforce of the district while also embedding strategic compensation to attract, retain and grow talented employees.

Develop a System of Support for National Board Certification
Provide growth and development opportunities for instructional staff by facilitating and supporting eligible staff through the process of obtaining National Board Certification

ECISD Strategic Themes

LEARNING JOURNEY

We will ensure students are challenged with rigorous, relevant curriculum, while supporting them socially and emotionally to equip them for an ever-changing society.

STRATEGIC PLAN PROJECTS:

Establish "To and Through" Post-Secondary Department
The mission of the To and Through Post-Secondary Department is to provide our students opportunities to prepare for the future and be successful in their college, career, and military goals.

Develop Choice Schools
ECISD will create a comprehensive school choice program designed to meet the needs of student interests, campus innovation/transformation, enrollment growth and campus capacity, and aligned to workforce demands.

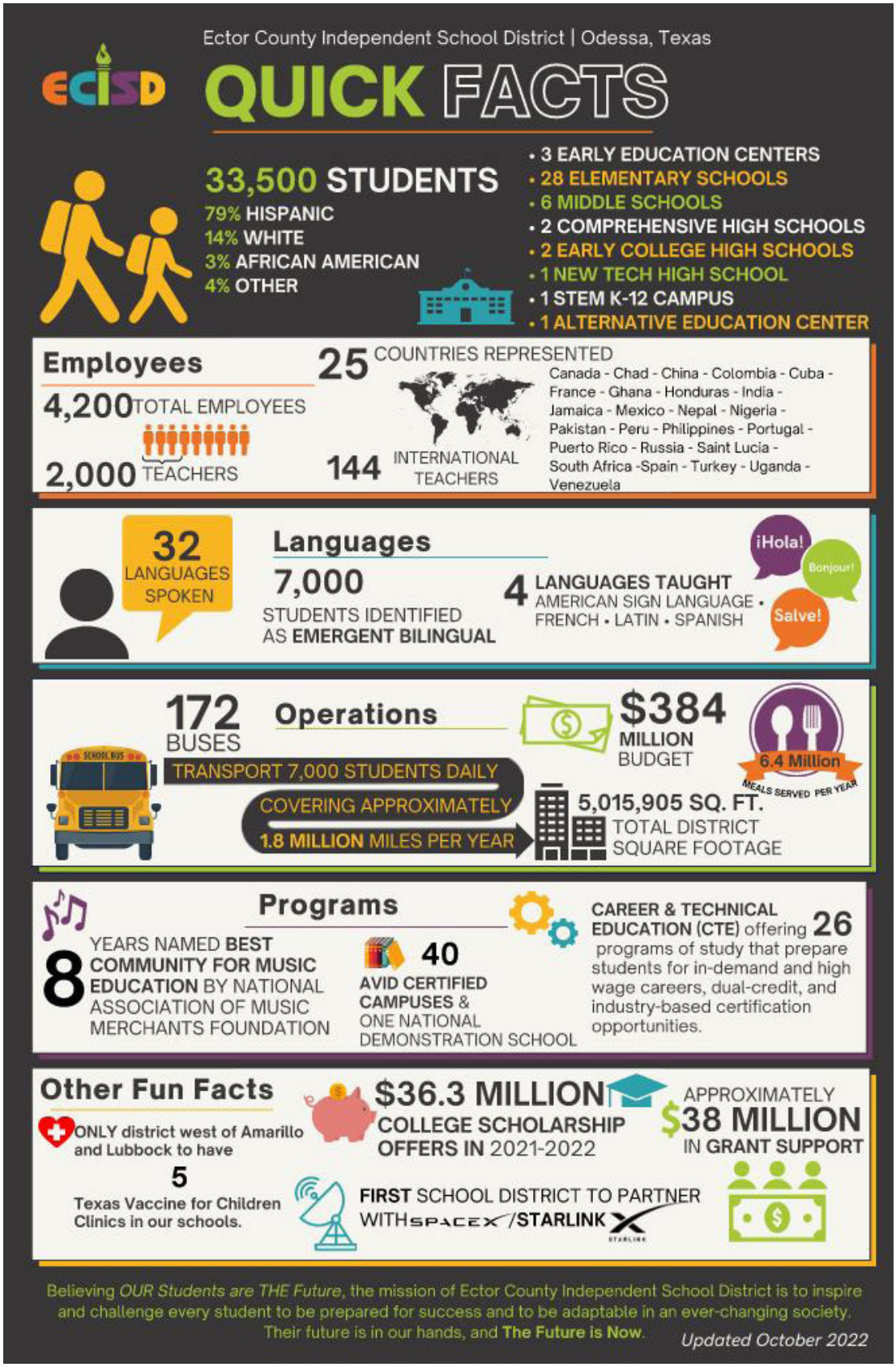
Systematized Blended Learning
ECISD will implement research based instructional models which enable personalized learning for all students.

Redesign the Student Summer Experience
Summer learning will focus on the acceleration of instruction and address the opportunity gap of our students.

Implement a Learning Management System
ECISD will utilize technology resources that will enable students, teachers, and leaders to implement and monitor personalized learning for all through implementation of a learning management system.

Expand Pre-K
This charter is designed to address the need for high quality education in Pre-K 3 and Pre-K 4 in order to ensure that our students are Kindergarten ready.

ECISD Quick Facts



TEA STANDARDS | SAFETY AND SECURITY

Compliance requirements applicable to all instructional facilities campus-wide.
A capital improvement project of a school district must include campus-wide implementation of the following provisions:

A.) Communications Infrastructure

In accordance with TEC 37.108, a school district shall:

i. **Develop a multi-hazard plan** that provides measures to ensure that school district communications technology and infrastructure are adequate to allow for communication during an emergency;

ii. **Implement measures on new and renovated buildings to ensure every classroom and portable classroom provides** district employees, including substitute teachers, access to a telephone, cellular telephone, or other electronic communication device to allow immediate contact with district emergency services or emergency services agencies, law enforcement agencies, health departments, and fire departments; and

iii. **Develop site plans and floor plans for a school** in accordance with TEC 37.108.

B.) Access Control

A school district shall develop a document that designates **each exterior door** of each instructional facility campus wide as either **primary, secondary, or non-designated entrances and shall ensure that the documented designation** of all exterior **doors becomes part of the long-range facility plan** prior to commencement of construction of a capital improvement project

Additional Standards based on project construction budget.
The project construction budget approved by the school district shall determine how many of the additional safety and security standards established in paragraph 3 of this subsection are required for the project.

The school district shall designate in writing which of the items approved by school board to the prime design professional/design professional of record prior to commencement of the construction documents phase of project.

A. Project construction budget is $1 - $5million = 1 additional standard
B. Project construction budget is $5 - $10million = 2 additional standards
C. Project construction budget is over $10 million = 3 additional standards

Additional safety & security standards applicable to all instructional facilities campus-wide. A school district must include campus-wide implementation of the following standards in accordance with terms and requirements of paragraph (2) of this subsection.

A.) Exterior Door Numbering
All instructional facilities campus-wide, including portable buildings, must include the addition of **graphically represented alpha-numerical characters** on both the interior and exterior of each door location. The characters may be installed on the door, or on at least one door at locations where more than one door leads from the exterior to the same room inside the facility, or on the wall immediately adjacent to or above the door location. Characters shall comply with the IFC 505.

TEA STANDARDS | SAFETY AND SECURITY

The **primary entrance** shall always be the first in the entire sequence and is the only door location that does not require numbering.

The **numbering sequence** shall be clockwise and may be sequenced for the entire campus or for each facility individually.

The **design professional of record** shall coordinate with school district personnel and local emergency response personnel prior to incorporating exterior door numbering characters and locations into the contract documents for the facility.

The **design professional of record** shall coordinate this with signage accessibility requirements.

B.) Visitor Management
All **primary entrances** must include the following:

i. An unobstructed line of sight of approaching visitors through physical or digital means.
ii. A physical barrier that prevents unassisted access to the facility by a visitor; and
iii. A location for a visitor check-in and check-out process.

Security Cameras
All **primary and secondary entrances** must include a security camera.

Panic Alert Systems
All rooms are to have access to a panic alert system. Districts have the flexibility to determine which system best suits their needs.

EXECUTIVE BUILDING SUMMARY

Building Capacity

What is Capacity?

Capacity is the number of students that can be accommodated in a building for instruction in a maximally efficient manner. Capacity numbers are affected by a series of variables including room use, planning factors, building infrastructure, class size, and building codes. Planning factors are used to determine a ratio for teaching staff to students.

Capacity numbers are governed by state standards but also reflect a school system's values and the resources the district has available. Class size policy, as determined by the school board, directly affects a building's capacity total.

How is it determined?

Capacity numbers are calculated differently for different states and school districts, and they are also calculated differently for elementary and secondary schools.

Elementary schools' capacity is generated by multiplying the number of classrooms times by a planning factor and then determining what other spaces contribute to the capacity numbers in a facility, such as special education spaces and pull out programs. In addition, the size of the core spaces (library, cafeteria, restrooms) is evaluated to determine a maximum number of users.

Secondary schools' capacity is generated by multiplying the number of classrooms by a planning factor and then determining what elective spaces contribute to the capacity numbers in the facility due to usage. Spaces used all but one period of the day are counted towards capacity. In addition, the size of the core spaces (library, cafeteria, restrooms) is evaluated to determine a maximum number of users.

Why does it change?

As populations grow and change, a need may arise for changing a room's use. If a room is converted from a non-capacity bearing function (e.g., a computer lab) to a classroom space, a new classroom's worth of capacity is added to the total building calculation.

METHODOLOGY

DESIGN CAPACITY
The total number of student "seats" the facility was designed to accommodate.

FUNCTIONAL CAPACITY
Elementary School capacity was determined with a 95% utilization factor. Middle School and High School Capacity was determined with an 85% utilization factor.

EXECUTIVE BUILDING SUMMARY

Building Capacity

School capacity and classroom sizes are based on the TEA Facility Standards Quantitative Compliance Method and Flexibility Level 2 (L2) for all schools.

Elementary Schools

Design 800 Student capacity was determined using the following criteria:

- Planning factor: 22 students per classroom for Pre-K.
- Planning factor: 25 students per classroom for K-5th grade.
- All general use classrooms were counted.
- Special Education classrooms were included in the counts with a planning factor of 10 students per classroom.
- IPS rooms were not included in the counts.
- Other spaces not counted:
  - Art Room
  - Music Room
  - Resource Room
  - Gym
  - Cafeteria

Middle Schools

Design 1200 Student capacity was determined using the following criteria:

- Planning factor: 28 students for each general classroom.
- Elective and program spaces were included as follows:
  - 26 students each for science, health, journalism, and art classrooms.
  - 28 students each for touch systems data entry classrooms.
  - 24 students each for PLTW, robotics, and computer science classrooms.
  - Drama was included in the counts at 25 students.
  - Band, choir, and orchestra were included in the count at 50 students per class.
- The Competition and Practice Gyms were not included in the counts.
- Special Education specialized classrooms were included at 12 students each.

High Schools

Design 2500 capacity was determined using the following criteria:

- Planning factor: 26 students for each general classroom.
- Elective and program spaces were included as follows:
  - 28 students each for all CTE classroom, except as noted below.
  - 24 students each for PLTW, engineering, auto tech, construction, welding, and culinary.
  - 25 students each for Drama.
  - 26 students each for Art.
- The Competition and Practice Gyms were not included in the counts.
- Fine Arts classrooms were not included in the counts.
- Special Education specialized classrooms were included at 12 students each.
- ROTC classrooms were not included in the counts.

*** The Texas Education Code states that for grades K-4, the student to staff ratio may not exceed 22:1; however, school districts that exceed that ratio may apply for waivers at the beginning of each school year. There are no requirements for secondary schools.**

EXECUTIVE BUILDING SUMMARY

FUTURE READY LEARNING ENVIRONMENTS

Ector County ISD's renovations and new school facilities need to be designed to provide environments where innovation, creativity, and collaboration will thrive. In order to best align these environments to Ector County ISD's Design Principles and the major themes from the Design Principles Committee meetings, facility design should consider the following:

Naturalness:

Light: Diffused natural light helps to create a sense of physical and mental comfort, and its health benefits are many, boosting Vitamin D storage and increasing productivity. When combined with a well-designed artificial lighting solution, well-lit environments can be a boost to student success.

Air Quality: Opportunities to enhance air quality should be included via a combination of outside air and mechanical ventilation. School age student's lungs are particularly vulnerable to all types of pollutants because their breathing and metabolic rates are high, therefore particular care should be given to air quality.

Temperature: The right temperature can have a profound impact on achievement, as it can affect comfort levels and attention spans. Building orientation and sun glare control can greatly help with temperature goals.

Links to Nature: Access to the outdoor environments and views to the exterior are associated with improvements in the creative process. Ector County ISD schools should include learning environments that open directly to outdoor learning areas that allow play and social interaction.

Individualization:

Flexibility: The flexibility of learning spaces and its furnishings can encourage individualization by offering a variety of opportunities for diverse settings, individualized learning, and team work. Flexible learning environments allow for changes in pedagogical goals, educational programs, and instructional deliveries.

Ownership: Personalization of a space is essential in the development of students' identities and sense of worth. Learning environments should include furnishings that are mobile, allowing students to reconfigure their space, and ample display areas to feature student work so students feel a connection to their learning environment.

Connection: In school environments, connection relates to the pathways between spaces. Enhancing those pathways, through engaging settings such as providing landscaping to enhance outdoor settings, and active hallways can result in a stronger connection for students and their learning environment.

Stimulation:

Complexity: Visual diversity in an organized manner is linked to increased student engagement. However, too much complexity can be detrimental to learning. Therefore, environments that provide a bright sense to the classroom, without becoming too chaotic, should be provided throughout.

Color: Introducing color in a planned manner can stimulate student engagement. Muted walls, not white, can provide a neutral palette for brighter elements, such as furniture and wall displays.

BUILDING SYSTEMS & UTILITIES

Ector County ISD schools shall be designed to be energy efficient, yet provide students and staff with the most effective learning environments to support learning. The mission of the ECISD Energy Management Program is to save money and energy through the conservation and efficient use of natural gas, water, and electricity, while maintaining a safe and comfortable learning environment. The goal of Ector County ISD is to achieve at least 25% reduction in energy bills. To that effect, schools should be designed to include the following:

Heating, Venting and Air Conditioning (HVAC)

- Heat and AC thermostat; connect all systems to ECISD energy management systems
- Provide dedicated HVAC for the following rooms:
  - MDF
  - IDF
- Confirm adequate HVAC is provided where these items are present:
  - Copiers
  - Ice Machines
  - Vending Machines
- Building HVAC zoning:
  - Building HVAC design should align with building usage, mainly after hours and summer usage. Provide separate zones for the following areas:
    - Cafeteria and all associated spaces.
    - Athletic areas used during after hours.
    - Kitchen and all associated spaces.

Electrical

Power

- Provide a minimum two outlets on every wall in learning environments (Min. 8 per room)
- Provide outlets every 8' in all other locations.
- Limit floor outlets where possible. Refer to room layouts for specific locations.
  - Provide floor outlets at conference room tables. Coordinate with conference table design.
  - Provide retractable overhead power reels at Maker Space.
- Outlets to include both 110v power and USB.
- Provide multiple charging stations at library, dining, collaboration spaces, and corridors. Provide charging lockers in collaboration spaces.
- Provide dedicated outlets above countertops at teachers' lounge and workroom, and in areas where multiple appliances and machines will be used simultaneously.
- Provide adequate power and data for all copiers based on manufacturers recommendations.

Lighting

- 2x4 LED light fixtures.
- Dual switching in all learning environments.
- Daylight harvesting as required by local codes.

Plumbing

- Provide electric drinking fountains with bottle filling capability.
- Provide tempered and cold water connections for sinks in classrooms.
- Provide door access to all plumbing chases (7'-0" tall).
- Provide hose bibs in all restrooms for cleaning.

Refer to Ector County ISD's Technical Design Guidelines for detailed information on the above systems.

EXECUTIVE BUILDING SUMMARY

SUSTAINABILITY

School districts are continually embracing the benefits of sustainable schools. Smart design of the district's new schools and renovations of existing schools can not only create comfortable and ideal environments for learning, but will reduce utilities and operating costs for the district. Sustainable schools cost less to operate allowing for the reallocation of resources to the classroom.

In general, the core principles of sustainability include the following:

- Decreasing the amount of energy the facilities consume, primarily electricity and water.
- Employing materials that are less resource consuming.
- Enhancing the learning environment by creating healthier indoor environments.

Sustainability will be a key factor in all decisions regarding learning environments and operational effectiveness. Student performance will be enhanced throughout the inclusion of daylighting, improved acoustics, and other strategies. The operational effectiveness of the facility will be considered in addition to material and system selections with consideration to maintenance and ease of operation. The use of local materials will celebrate the spirit of the community and decrease overall costs. Ector County ISD values sustainability in their schools. The schools should be used as an educational tool to teach students the importance of sustainable environments through displays, interactive maps, and working sustainable features.

The District will utilize innovative green design principles consistent with the Leadership in Energy and Environmental Design (LEED) requirements with the goal of meeting LEED Certification levels for all new projects and major renovations.

About LEED

LEED, or Leadership in Energy & Environmental Design, is a green building certification program that recognizes best-in-class building strategies and practices. To receive LEED certification, building projects satisfy prerequisites and earn points to achieve different levels of certification. LEED for Schools has their own set of prerequisites and credits that differ from other building rating systems. LEED is transforming the way we think about how buildings and communities are designed, constructed, maintained, and operated across the globe. LEED certified buildings save money and resources and have a positive impact on the health of occupants, while promoting renewable, clean energy.

SAFETY & SECURITY

Student and staff safety in schools is of paramount importance. While incidents of school safety failures still remain largely rare, increased media attention and recent security events have made school districts and the general public acutely aware of the vulnerability that confronts the typical public school facility on a daily basis. Safety and security must therefore be an important consideration of these educational specifications.

Ector County ISD schools are community schools, where volunteers, parents, and the community are welcome. In order to ensure Ector County schools are safe and secure, the following minimum requirements must be included:

- Comply with CPTED (Crime Prevention Through Environmental Design) principles. All new and major renovations projects to obtain CPTED certification.

Exterior Security Factors

- Sites will be fenced to ensure all playground areas and play field areas are fully fenced.
- Fencing material to be as outlined in the Technical Design Guidelines, and/or as dictated by the area having jurisdiction.
  - Provide fencing around all portable buildings tying back to main campus.
- Visibility is the primary deterrent. Landscaping must not provide places to hide or mask windows from street view.
- Provide LED exterior lighting judiciously placed to enhance visibility and deter wrongdoing.
- Provide decorative bollards at all major entry areas (Main entry, cafetorium, etc.)
- Provide emergency call boxes close to parking areas and play areas.
- Provide blank box for future camera phone and security camera system for future portables.

- A single point of entry for visitors to the campus will be provided as part of all new campuses and campus renovations. This is accomplished through the use of a secure entry vestibule. The specific inclusions for this space are detailed in the space descriptions.
- Limit the number of entries/exits to a campus wherever possible, while still meeting emergency egress requirements as outlined by the governing building codes.
- Security camera systems and access control systems as outlined in the Technical Design Guidelines.
  - Security Camera numbers will be based on building configuration to ensure evidentiary quality video.
  - Access Control System Locations:
    - The security vestibule at the school's primary entrance.
    - All exterior doors.
    - All doors into Administration area from lobby and from all the surrounding corridors
    - Test storage and record storage rooms.
    - MDF and IDF rooms.
    - All hallway doors that separate classroom pods/wings.
- Classroom door locks should allow classrooms to remain locked at all times.
  - Provide door lock at bottom of the door.
- Provide camera phone at all entries servicing portable buildings. In the case of a new building, identify area where portable buildings may be sited, and provide conduit and blank box for future system installation.
- Lockdown system as outlined in the Technical Design Guidelines.
  - Panic buttons must be provided at the main reception area, Principal's office and Principal's Secretary's office.
- Provide intrusion alarm keypads at front office, kitchen exterior door, and custodial exterior door.
- Provide emergency notification system from central district to school.
- Classroom pod/wing configuration should allow for the ability to secure each pod/wing independently in the case of a lockdown. This can be accomplished with doors that separate these areas and are tied to the lockdown system. If these doors have glazing, the glazing must be protected with bullet resistant film as outlined in the Technical Design Guidelines.
- Building design should simplify corridor design to minimize hidden areas and to help with supervision.
  - Provide gates to divide the building for after hours use. Confirm locations with Fire Marshal.
- Provide two –way communication system at all classrooms.
- Provide all learning environment doors with vision panels or provide sidelights next to doors. Sidelights must have bullet resistant film. Confirm location of sidelights in layouts.
- Provide convex mirrors at all enclosed stairs to improve visibility and supervision.
- Provide room signs inside all rooms listing room number and emergency call number.
- Coordinate with Ector County ISD regarding shelter in place location. These spaces would preferably have lower ceilings, and 2 wall separation from exterior.
  - Provide evacuation maps for District's use and identify shelter in place locations on map.

EXECUTIVE BUILDING SUMMARY

TECHNOLOGY

It is the intent of Ector County ISD to provide facilities that are focused and infused with technology on a broad scale to support students and staff and foster collaboration and community. In addition, they try to anticipate the future of technology and plan for the ability to be flexible and adaptable to changes of programs, population, and technology.

Therefore, access to technology resources should be abundant and robust throughout. Technology supports education and thus should be as flexible as possible. Learning spaces should encourage collaboration and group work with high access to digital technology. Wireless connectivity inside and outside should be included.

Details in technology provisions are included in the appendix to this document. Some building wide considerations:

- Wi-Fi access points at all learning areas. Number of access points will depend on room size. Minimum of 1 access point per classroom.
- Wi-Fi access points throughout building. Location of access points will vary by area:
  - Administration areas – Locate Wi-Fi access points in corridor/hallways. Number of access points will vary based on building design.
  - Common areas: Provide multiple Wi-Fi access points to ensure coverage.
  - Outdoor Learning areas: Provide multiple Wi-Fi access points to ensure coverage.
- For all settings, provide coverage map showing overlap areas for ECISD Technology Department approval.
- Power for student device carts needed in all classrooms and in spaces where a student device cart is required.
- Phones should be provided in every office and workroom.
- MDF rooms shall be centrally located in building.
- IDF rooms shall be located throughout the building to meet cabling distance requirements. If the building is multi-story, stack IDF rooms where possible.

ACOUSTICS

Poor acoustical design in classrooms can result in excessive noise that is disruptive to the learning process and affects speech perception, student behavior, and educational outcomes. Good acoustical design enhances speech clarity and limits background noise to protect speech quality for both students and teachers. Speech clarity is highly dependent on the architectural design of a classroom, including size, shape, and surface treatments.

Providing acoustically sound learning environments is paramount to learning, so Ector County ISD learning environments shall be designed with enhanced acoustical properties to meet CHPS-TX and LEED criteria.

When considering renovations, classroom noise must be minimized. Classroom noise includes any auditory disturbance that interferes with what a listener wants and/or needs to hear, including noise from outside of the building (i.e., exterior noise intrusions, such as highway traffic, playground noise, jets) heard through the building structure; noise from within the building (e.g., children walking and talking in the halls, class bells, noise heard from room to room); noise from within the classroom (e.g., mechanical noise from the HVAC, clanking water pipes, technology used in the classroom).

Excessive reverberation in a classroom causes additional disturbance due to acoustic reflections. The desired signal is diluted due to reflections, which can also cause an increase in background noise levels.

EXECUTIVE BUILDING SUMMARY

Ector County ISD schools will be designed to the following minimum design standards:

1. All walls around classrooms and learning environments to run to underside of deck, and should achieve STC ratings as follows:

STC 45 If the adjacent space is a corridor, stair well, or office/conference room.
STC 50 If the adjacent space is another core learning space, speech classroom, or clinic
- Folding partitions in classrooms must meet this minimum requirement.

STC 53 If the adjacent space is a restroom or outdoor space.
STC 60 If the adjacent space is a music room, mechanical or electrical room, cafeteria, gym, or athletic space.

Reverberation criteria to meet LEED requirements in order to get certification.

Where possible and budget allowable, meet ANSI/ASA S12.60-2010/ Part 1 "American National Standard Acoustical Performance Criteria, Design Requirements and Guidelines for Schools."

Lastly, all fine arts performance and musical spaces need to be designed with the help of an acoustical designer so enhanced requirements can be correctly calibrated to the need. Other spaces that need this calibration include cafeteria, cafetorium, stages, and broadcast rooms.

CODES AND REGULATIONS

All Ector County ISD schools shall comply with the Texas Education Agency's School Facility Standards, Texas Administrative Code, Chapter 61, Subchapter CC, Rule 61.1036.

All Ector County ISD schools shall comply with Architectural Barriers Texas Accessibility Standards (TAS), adopted in 2012.

All Ector County ISD schools shall comply with building codes as adopted by the cities within our boundaries. In the case there is no code adopted, our schools shall abide by the current version of the International Building Code.

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Educational Specifications

Ector County Independent School District

Elementary Schools 2024

ECISD

OUR students...THE future

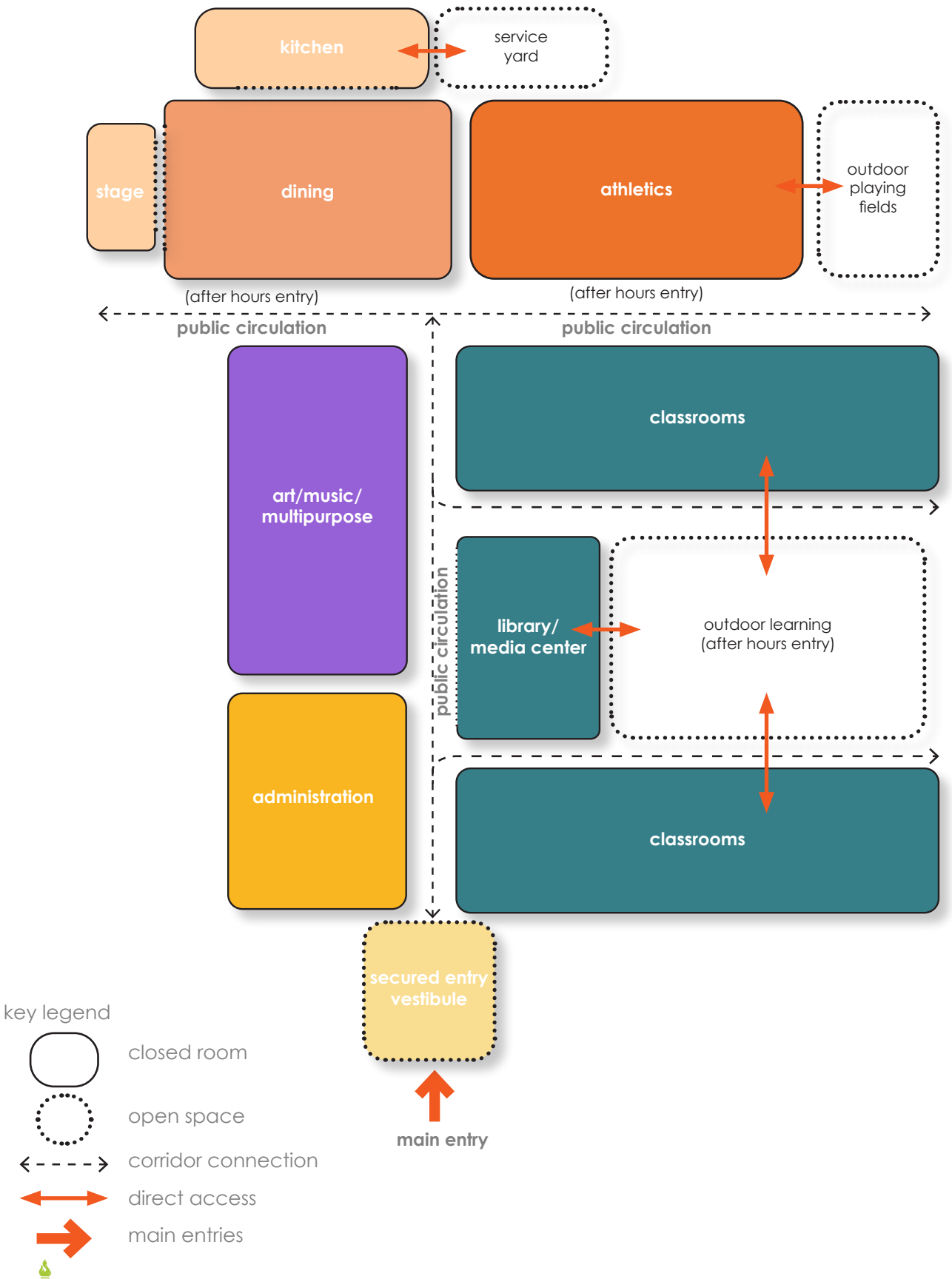
EXECUTIVE PROGRAM SUMMARY

SPACE/FUNCTION	AREA
ADMINISTRATION	5,730
CLINIC	615
COUNSELING SUITE	700
LIBRARY / MEDIA CENTER	5,690
GENERAL ACADEMICS	46,760
SPECIAL EDUCATION	5,590
SPECIAL CLASSROOMS	5,400
ATHLETICS / PHYSICAL EDUCATION	7,075
CAFETERIA / STUDENT DINING / MUSIC	8,755
KITCHEN	2,765
ANCILLARY / CUSTODIAL	640
TOTAL NET AREA	89,720
UNASSIGNED SPACE (MECH, CIRCULATION, WALLS, ETC.) @ 45% NET AREA	40,374
TOTAL BUILDING GROSS SQUARE FEET	130,094

PROGRAM CAPACITY SHEET

SPACE/FUNCTION	TEACHING SPACES	STUDENTS/ SPACE	% Utilization		NOTES
GENERAL ACADEMICS TEACHING STATIONS					
Pre-K Classrooms	2	22	95%	42	
K-5th Classrooms	30	25	95%	713	
Special Education	3	10	95%	29	
TOTAL STUDENT CAPACITY @ 95% UTILIZATION				783	

BUILDING ADJACENCY



ADMINISTRATION PROGRAM OF SPACES

ADMINISTRATION	Qty	SF	Total
Secured Entry Vestibule	1	300	300
Reception / Waiting Area	1	175	175
Attendance Office	1	150	150
Principals Secretary	1	200	200
Principals Office	1	250	250
Conference Room - Principal	1	300	300
Assistant Principals Office	2	225	450
Flex Office	1	150	150
Administration Conference Room	1	200	200
Administration Storage	1	75	75
Administration Restroom	2	75	150
Community Room	1	875	875
Community Room Storage	1	100	100
Mail Room / Copy Room / Workroom	1	330	330
Records Storage	1	100	100
Secure Test Storage	1	60	60
Faculty Lounge	1	400	400
Faculty Restroom	1	80	80
Wellness Room (Mother's Room / Lactation)	1	80	80
Visitor Restroom	1	75	75
Mail Retrieval	1	30	30
Student Pull Out Room	1	600	600
Instructional Equipment "Book" Storage	1	600	600
Subtotal Administration			**5,730**

CLINIC	Qty	SF	Total
Reception / Waiting Area	1	150	150
Clinic Staff Work Area	1	110	110
Cot Area	2	40	80
Isolation / Exam Room	1	150	150
Storage Room	1	50	50
Restroom	1	75	75
Subtotal Clinic			**615**

COUNSELING SUITE	Qty	SF	Total
Counselors Office	2	250	500
Counseling Sensory Room	1	200	200
Subtotal Counseling Suite			**700**

TOTAL ADMINISTRATION SUITE			**7,045**

NOTES:

1. "AED" Automatic External Defibrillator (in front office and cafeteria, HS athletics).
2. Trauma "STB" Stop the Bleeding Kit (in clinic, coaches offices, front office).

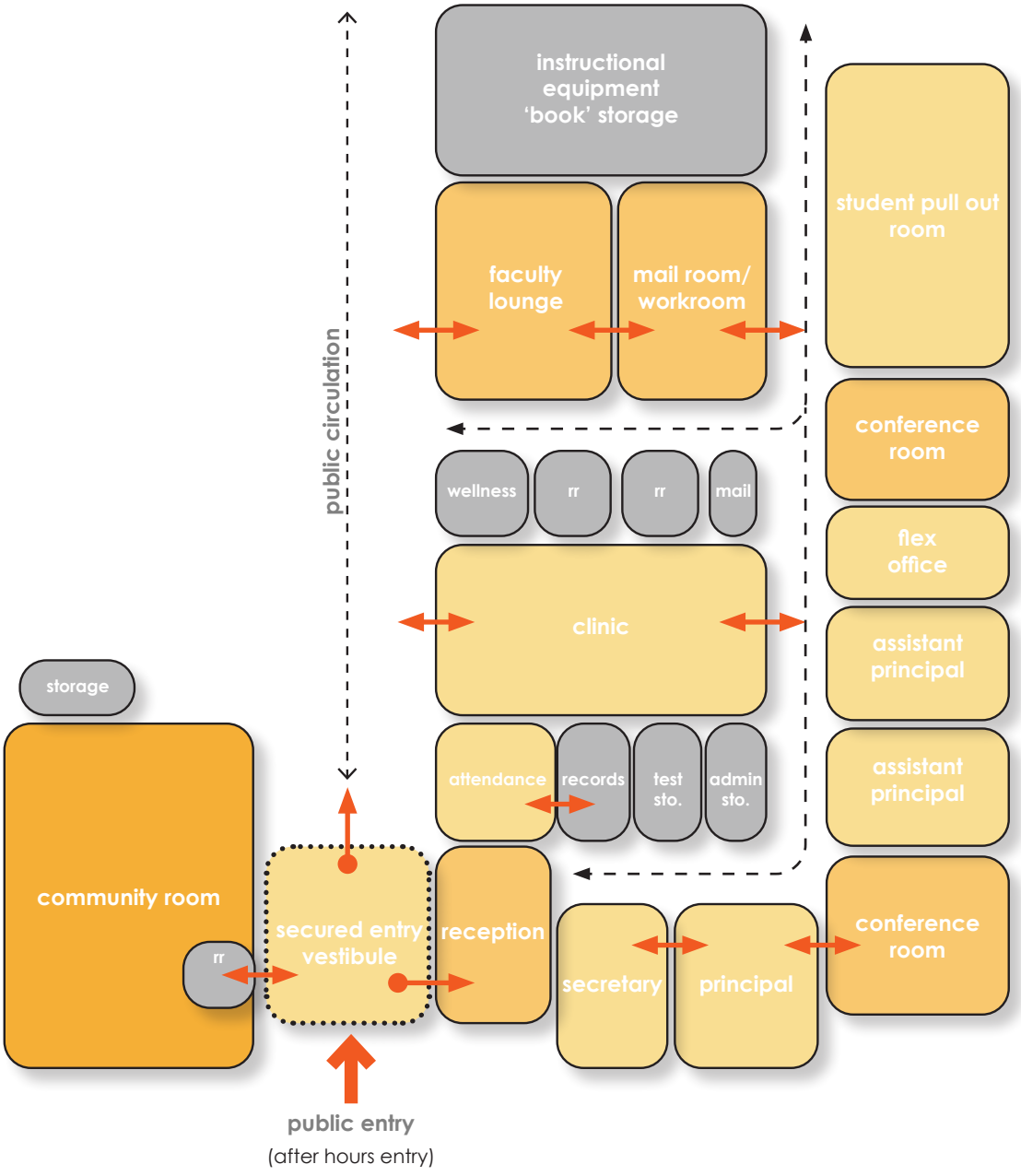
ADMINISTRATION SPATIAL RELATIONSHIPS & ADJACENCIES

PROGRAM DESCRIPTION

The administration area should be the focal point of the school entrance and should serve as a welcome center for everyone visiting the campus. Entry into the building via a secure vestibule will lead students, parents, and visitors directly to the school after their documentation has been verified.

Since the administrative area is the initial contact guests will have to the building, the office area should be inviting and contribute to the overall feel that the school is a collaborative space that encourages interaction between parents, staff and, students.

ADMINISTRATION DIAGRAM



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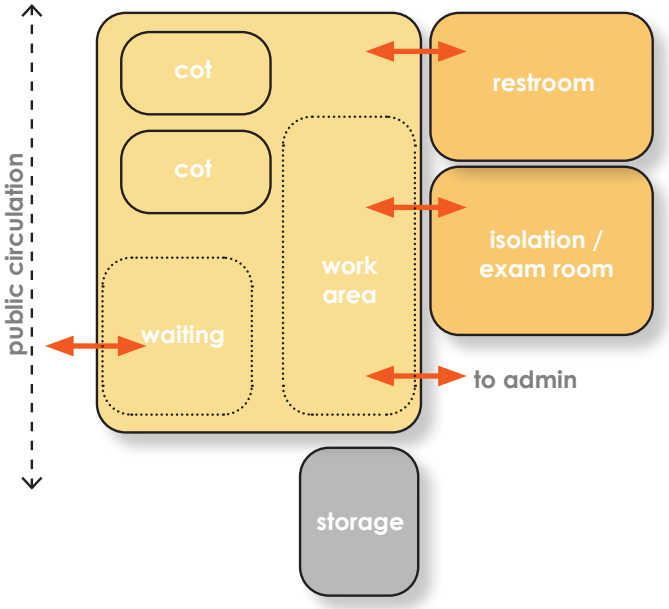
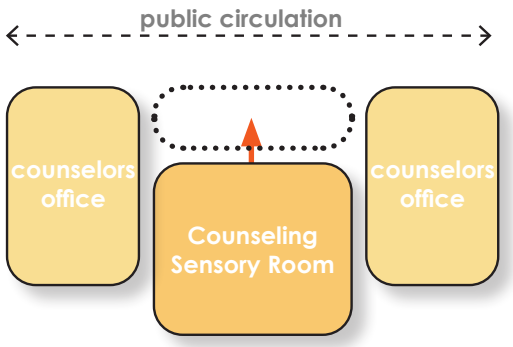
ADMINISTRATION SPATIAL RELATIONSHIPS & ADJACENCIES

CLINIC DIAGRAM



COUNSELING SUITE DIAGRAM



NOTES

Locate counseling suite in academic wings/pods

LIBRARY / MEDIA CENTER PROGRAM OF SPACES

LIBRARY / MEDIA CENTER	Qty	SF	Total
Library Stacks, Circulation Desk, etc.	1	3,310	3,310
Library Workroom	1	390	390
Spare Device Storage	1	200	200
Library Restroom (Users)	1	75	75
Library Restroom (Staff)	1	75	75
Professional Collections	1	100	100
Broadcast Studio / Green Screen	1	160	160
Maker Space	1	480	480
Digital Learning Classroom	1	900	900
TOTAL LIBRARY / MEDIA CENTER			**5,690**

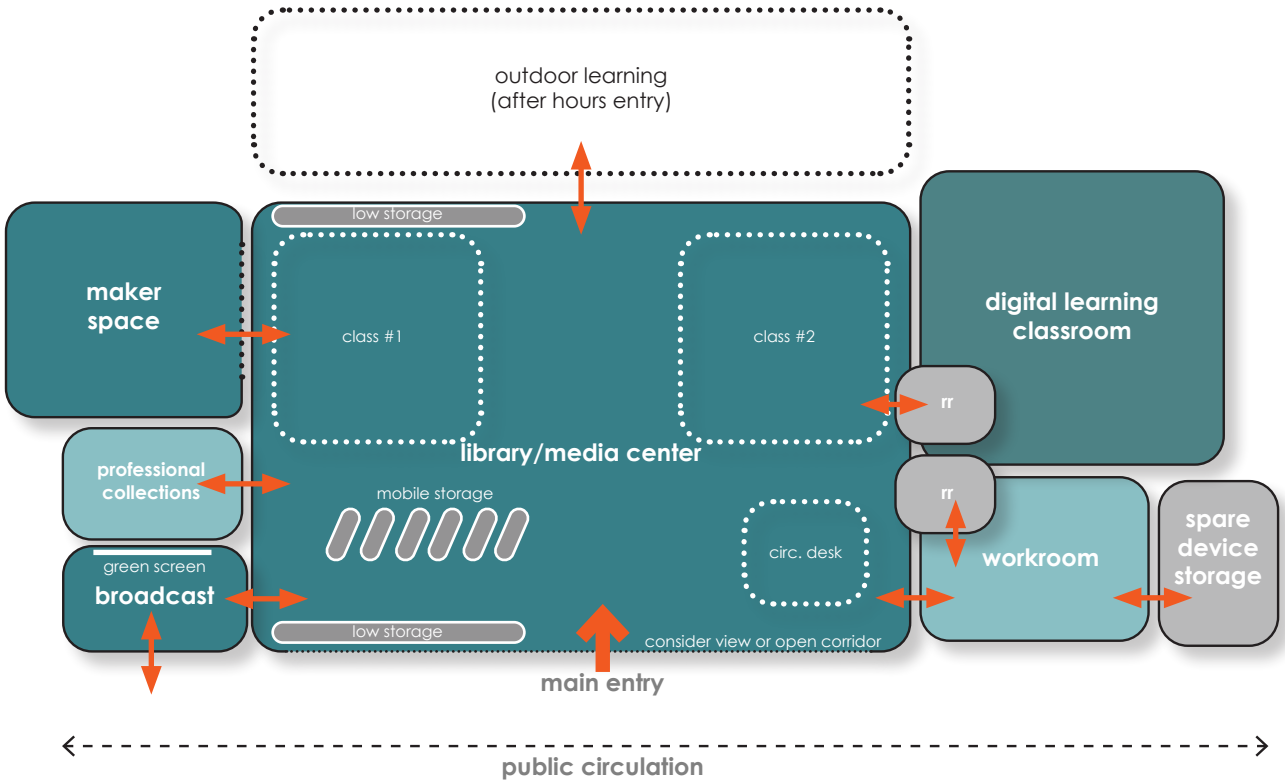
LIBRARY / MEDIA CENTER PROGRAM OF SPACES

PROGRAM DESCRIPTION

The media center area within elementary schools should be the heart of the campus and the main gathering place where students, staff, and visitors can see the collaborative spirit of the school and innovative work being done. Special care should be taken to make sure the library/media center is a vibrant and inviting space for the school and the community. The space should be an area where students can gather for group learning and reading as well as book check-out, research, collaborative project building, and independent learning.

The library/media center should be flexible to allow for multiple activities to take place at once. Included in and adjacent to the media center are various spaces such as a maker space, digital learning lab, broadcast studio, and access to outdoor learning.

LIBRARY/MEDIA CENTER DIAGRAM



GENERAL ACADEMICS PROGRAM OF SPACES

GENERAL ACADEMICS	Qty	SF	Total	
Pre-K Classroom	2	875	1,750	Based on 36 SF/ Student (22 Students)
Kinder Classroom	5	950	4,750	Based on 36 SF/ Student (25 Students)
1st Grade Classroom	5	950	4,750	Based on 36 SF/ Student (25 Students)
2nd Grade Classroom	5	900	4,500	Based on 36 SF/ Student (25 Students)
3rd Grade Classroom	5	900	4,500	Based on 36 SF/ Student (25 Students)
4th Grade Classroom	5	900	4,500	Based on 36 SF/ Student (25 Students)
5th Grade Classroom	5	900	4,500	Based on 36 SF/ Student (25 Students)
Instructional Pull Out Space	6	600	3,600	
PLC Classroom	6	400	2,400	
Collaborative Space	6	1,000	6,000	
Teacher Workroom	6	400	2,400	
Student / Group Restroom	8	190	1,520	2nd-5th grade
Individual Student Restroom	12	95	1,140	Prek-1st grade
Teacher Restroom	6	75	450	
TOTAL GENERAL ACADEMICS			**46,760**	

GENERAL ACADEMICS SPATIAL RELATIONSHIPS & ADJACENCIES

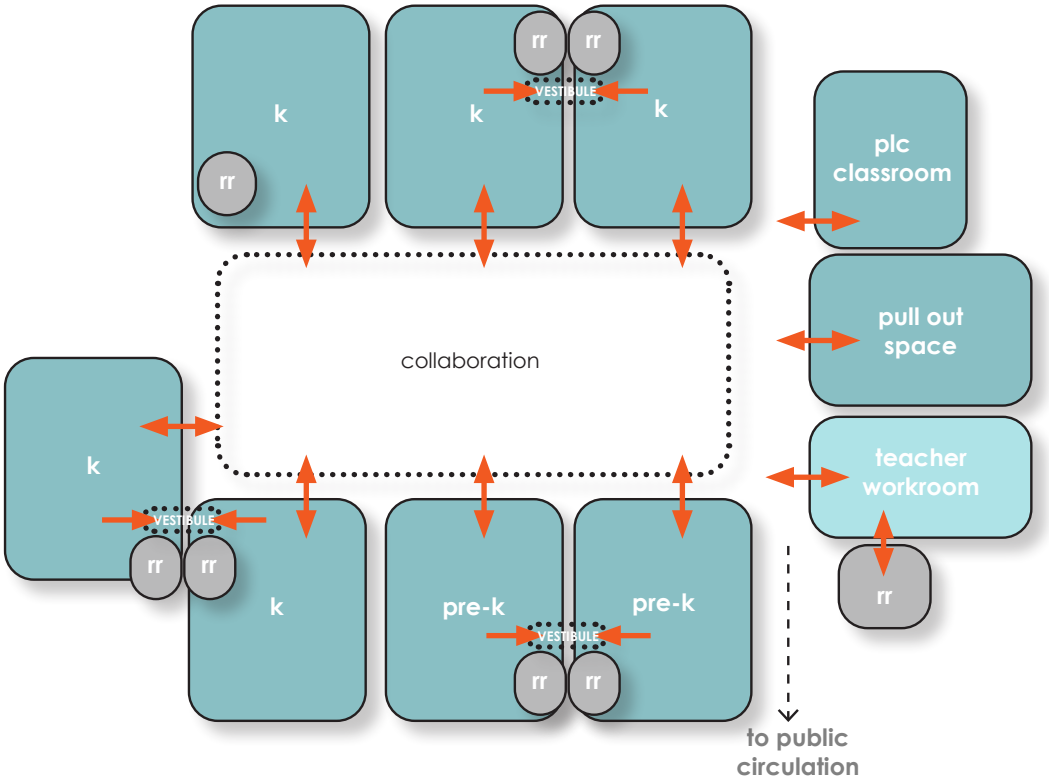
PROGRAM DESCRIPTION

The academic classroom area for elementary schools shall house classrooms for Pre-K through 5th grade. Classroom location with access to outdoor play areas/playgrounds should be included. Pre-K through1st grade classrooms shall have restrooms provided within the classroom space. Remaining grade levels (2nd-5th) will each have five classrooms with separate boys and girls student restrooms and have visual access between the classrooms and collaboration areas.

Each neighborhood should be grouped around a collaborative learning area and will share a pull out space, teacher workroom, and grade level PLC. This space will allow for large group instruction and/or act as a space for small groups to work together. Outdoor learning and play areas will be provided at the campus.

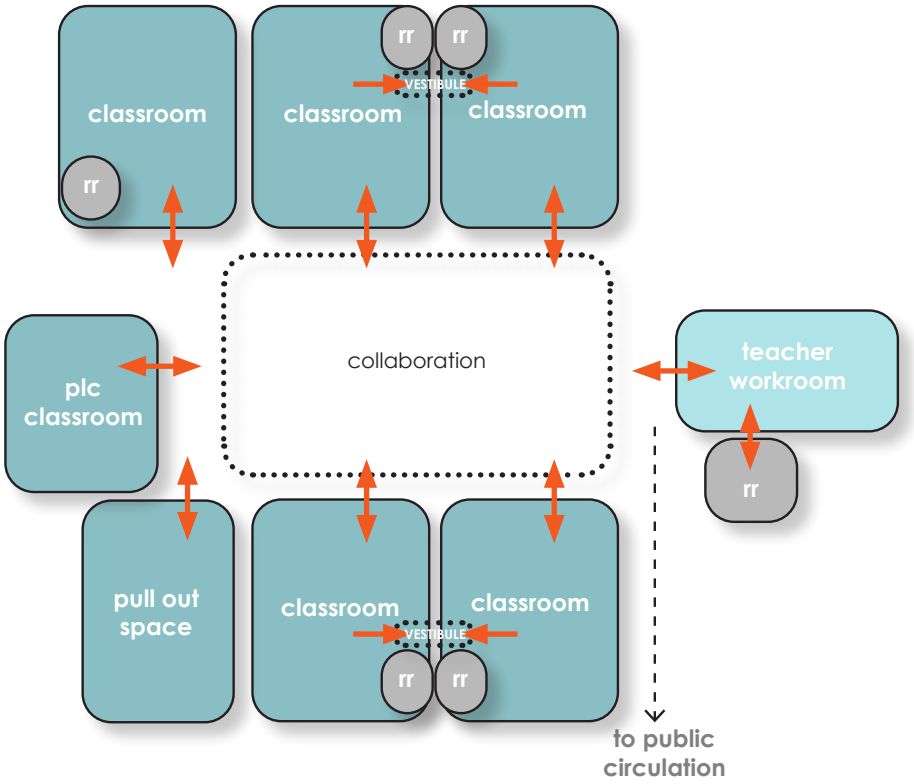
Instructional spaces should be as transparent as possible so that students, staff, and guests can see the learning ecosystem from space to space and grade level to grade level.

PRE-K & K GENERAL ACADEMICS DIAGRAM



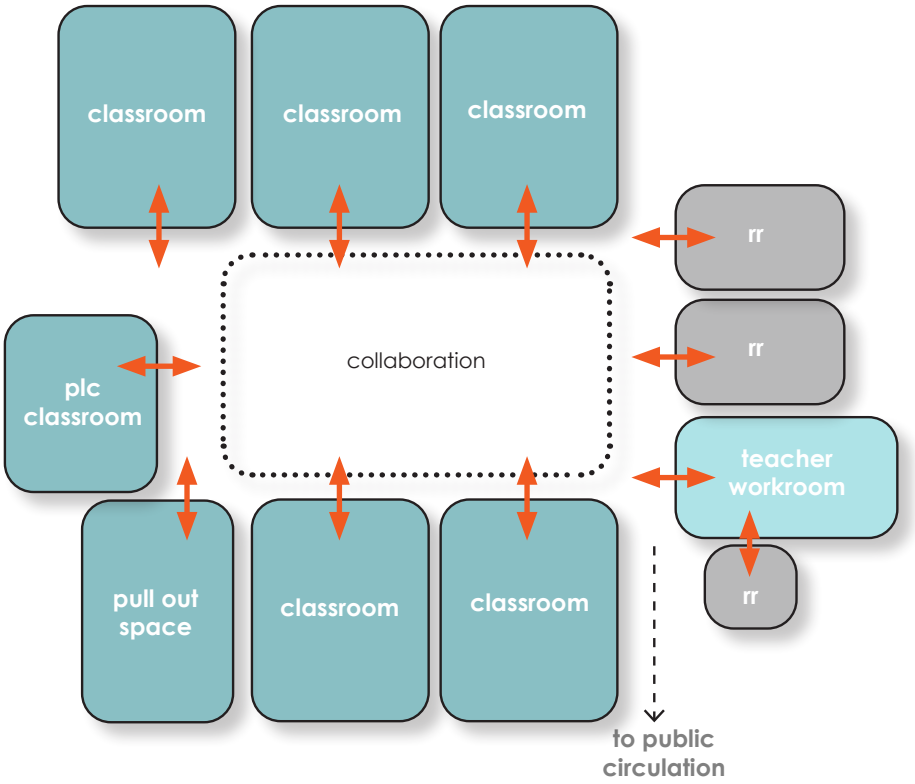
GENERAL ACADEMICS SPATIAL RELATIONSHIPS & ADJACENCIES

1ST GRADE GENERAL ACADEMICS DIAGRAM



GENERAL ACADEMICS SPATIAL RELATIONSHIPS & ADJACENCIES

2ND-5TH GRADE GENERAL ACADEMICS DIAGRAM



SPECIAL EDUCATION PROGRAM OF SPACES

SPECIAL EDUCATION	Qty	SF	Total
Specialized Classroom	2	1,000	2,000
Behavior / Restart Room	1	750	750
Utility Room	1	250	250
Kitchenette	1	250	250
OT-PT Motor Lab	1	450	450
Toilet for Specialized Classroom	2	150	300
Inclusion / Resource Room	1	450	450
Therapy Testing (Speech)	2	180	360
Speech Therapy Office	1	150	150
Equipment Storage (Shared Between Specialized Classrooms)	1	180	180
Diagnostician Office	1	450	450
TOTAL SPECIAL EDUCATION			**5,590**

SPECIAL EDUCATION SPATIAL RELATIONSHIPS & ADJACENCIES

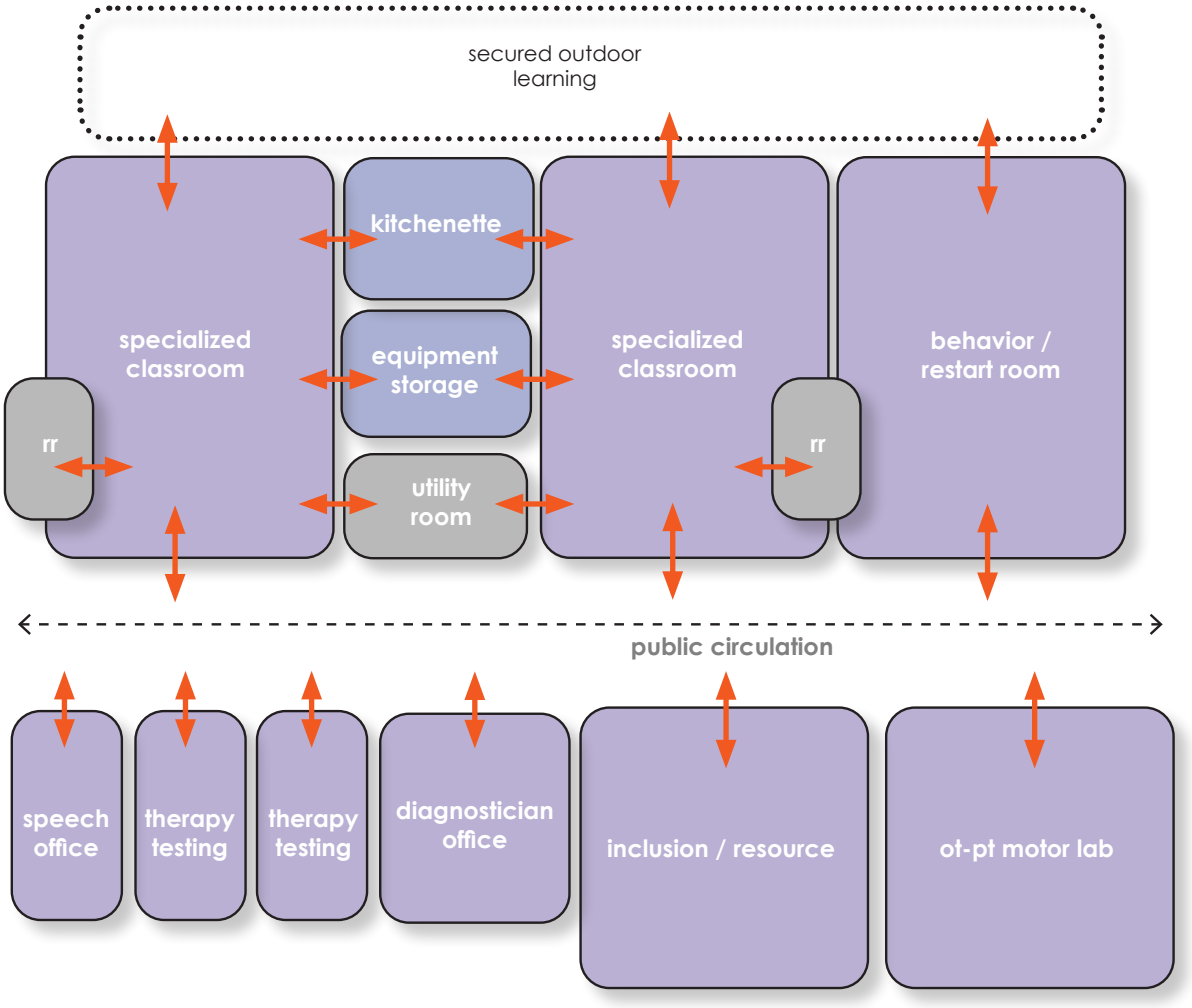
PROGRAM DESCRIPTION

Special education classrooms are centers of activity as students work on projects, collaborate with others, and learn/practice personal life-care. Spaces should be flexible so that teachers can easily adjust furniture and equipment based on the needs of the students, and special education classrooms should be in close proximity to both the bus pick-up/drop-off and the nurses clinic.

While spaces should be transparent so they a part of the learning ecosystem of the school, special care should be given so that students can be screened from outside viewers.

Special needs education students must be provided the least restrictive environment for the individual education programs; the special needs students need to be integrated with the rest of the student population to the greatest extent possible.

SPECIAL EDUCATION DIAGRAM



SPECIAL CLASSROOMS PROGRAM OF SPACES

SPECIAL CLASSROOMS	Qty	SF	Total
Art Lab	1	1,000	1,000
Art Storage Closet	1	150	150
Kiln Room	1	150	150
Multipurpose Classroom	2	750	1,500
Science Lab	2	1,200	2,400
Science Lab Storage / Prep	1	200	200
TOTAL SPECIAL CLASSROOMS			**5,400**
Additional Spaces			
Greenhouse	1	300	300
Outdoor Learning Space	2	800	1,600

SPECIAL CLASSROOMS SPATIAL RELATIONSHIPS & ADJACENCIES

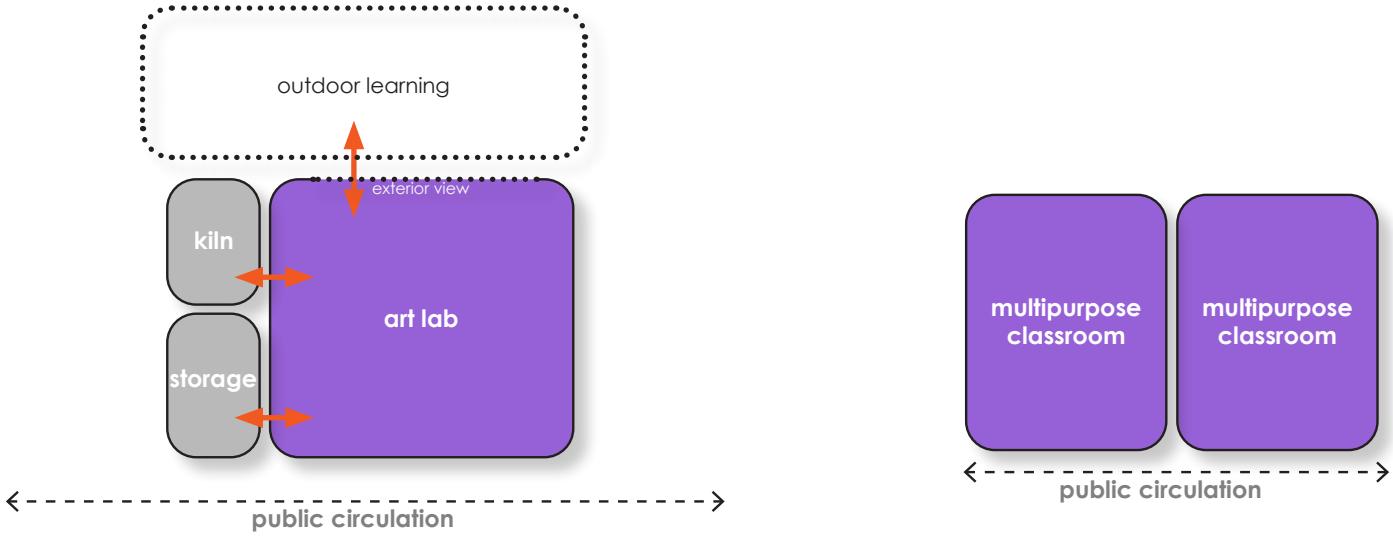
PROGRAM DESCRIPTION

Spaces included as specialized rooms are those outside of general academics such as art and music. In addition, the after-school "Extended Learning Program" (ELP) is included in this section. The ELP is not offered at all campuses, however, if included, the necessary information is provided in this document.

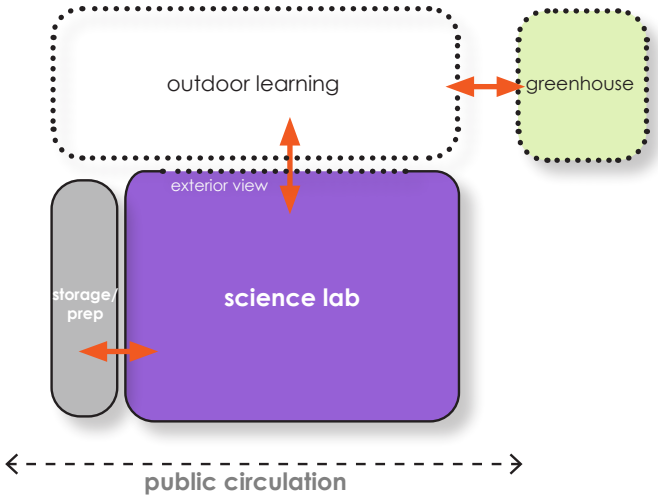
Two multipurpose classrooms should be provided in close proximity to the academic spaces. These rooms should be flexible in seating to accommodate different sizes of groups for lecture/instruction. Special consideration should be paid to each different type of space according the descriptions included in the educational specifications.

Art and science classrooms should be located to provide a secured outdoor area directly accessible from each classroom. This outdoor space could be shared between art and science.

ART / MULTIPURPOSE CLASSROOMS DIAGRAM



SCIENCE CLASSROOM DIAGRAM



ATHLETICS / PHYSICAL EDUCATION PROGRAM OF SPACES

ATHLETICS / PHYSICAL EDUCATION	Qty	SF	Total
Gymnasium	1	6,300	6,300
P.E. Office	1	150	150
P.E. Storage	1	400	400
P.E. Outdoor Storage	1	75	75
Student Restrooms	2	75	150
TOTAL ATHLETICS / PHYSICAL EDUCATION			**7,075**
Additional Spaces			
Covered Outdoor Sport Court	1	6,000	6,000
Outdoor Playground	2		
Outdoor Field (Grass Play Area)	1		

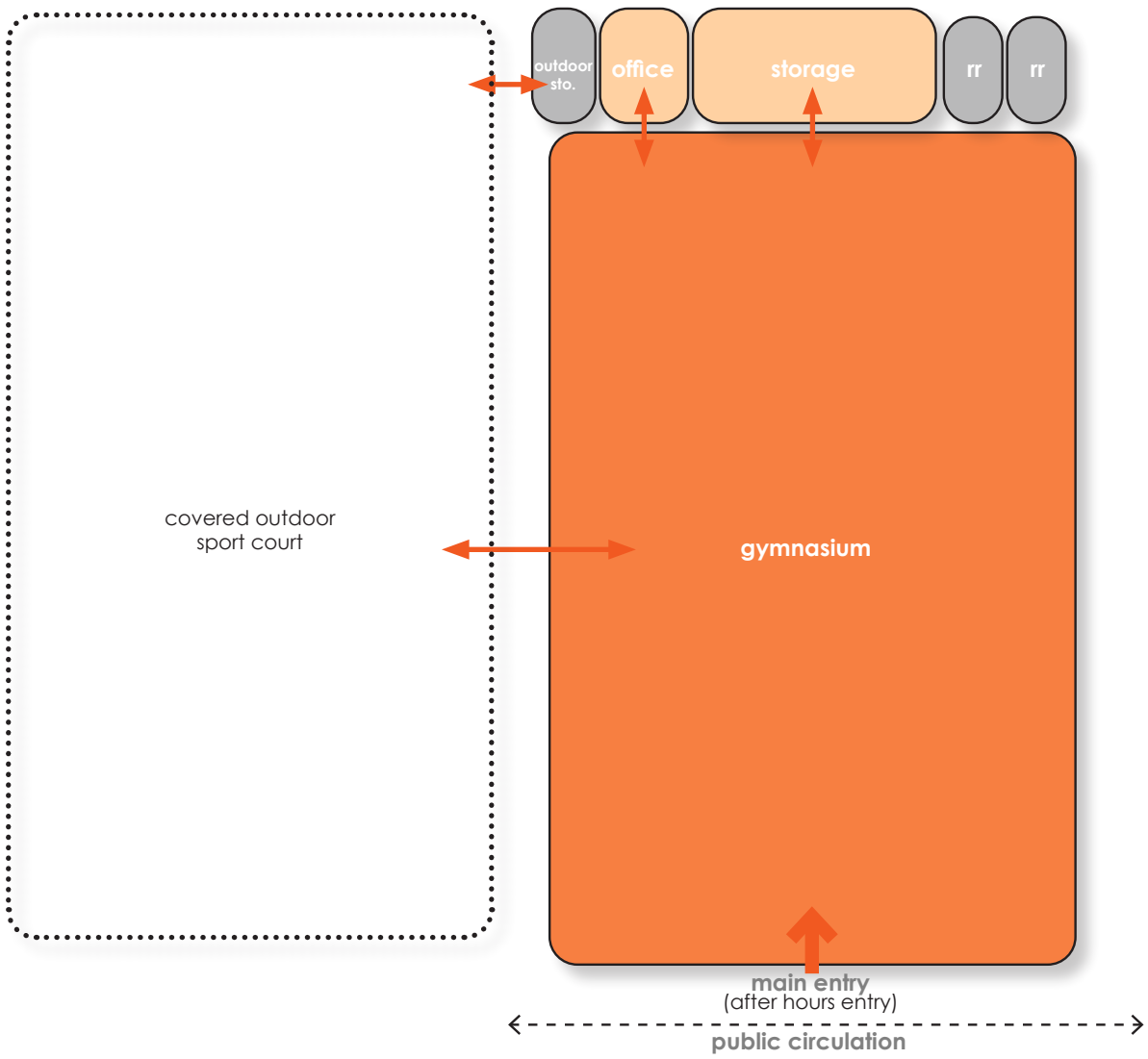
ATHLETICS / PHYSICAL EDUCATION SPATIAL RELATIONSHIPS & ADJACENCIES

PROGRAM DESCRIPTION

The gymnasium and athletics space of the school provide an indoor facility for physical education and indoor instructional programs. The gymnasium is also used for large group instruction and is used by students and the community after school hours. Outdoor physical education areas should be located near the indoor gymnasium, covered play area, walking tracks, associated play fields, and playgrounds to the extent possible for ease of access.

Physical education facilities should be designed and constructed with a focus on community use during non-school hours since there is a high demand for both indoor and outdoor facilities. This will be accomplished by locating an entrance near the gym with lockable doors to control access to the rest of the building.

ATHLETICS / PHYSICAL EDUCATION DIAGRAM



CAFETERIA / KITCHEN / ANCILLARY PROGRAM OF SPACES

CAFETERIA / MUSIC	Qty	SF	Total
Dining	1	4,400	4,400
Stage	1	800	800
Stage Equipment Room	1	100	100
Stage Storage	1	120	120
Chair Storage	1	225	225
Music Classroom	2	1,000	2,000
Music Storage	1	200	200
Student Restroom	2	280	560
After School Program Storage	1	200	200
After School Program / Miscellaneous	1	150	150
Subtotal Cafeteria / Music			**8,755**

KITCHEN	Qty	SF	Total
Serving	2	410	820
Pot Wash	1	180	180
Managers Office	1	120	120
Kitchen / Food Prep / Cooking	2	180	360
Utility Room / Custodial	1	100	100
Locker Room (Staff)	1	75	75
Kitchen Staff Restroom	1	75	75
Receiving Area	1	110	110
Dry Storage	1	260	260
Walk-in Freezer and Walk-in Cooler	1	295	295
Disposable Ware and Paper Goods Storage	1	100	100
Future Ware Wash	1	150	150
Future Tray Return	1	60	60
Future Tray and Ware Storage	1	60	60
Subtotal Kitchen			**2,765**

ANCILLARY / CUSTODIAL	Qty	SF	Total
Custodial Closet	5	60	300
Custodial Storage / Receiving	1	200	200
Maintenance Storage	1	100	100
Outdoor Can Wash	1	40	40
Subtotal Ancillary / Custodial			**640**

TOTAL CAFETERIA / KITCHEN / ANCILLARY / CUSTODIAL			**12,160**

NOTES

1. Provide walk-out roof access when possible.
2. Quantity of IDF rooms may vary, depending on the layout of the school

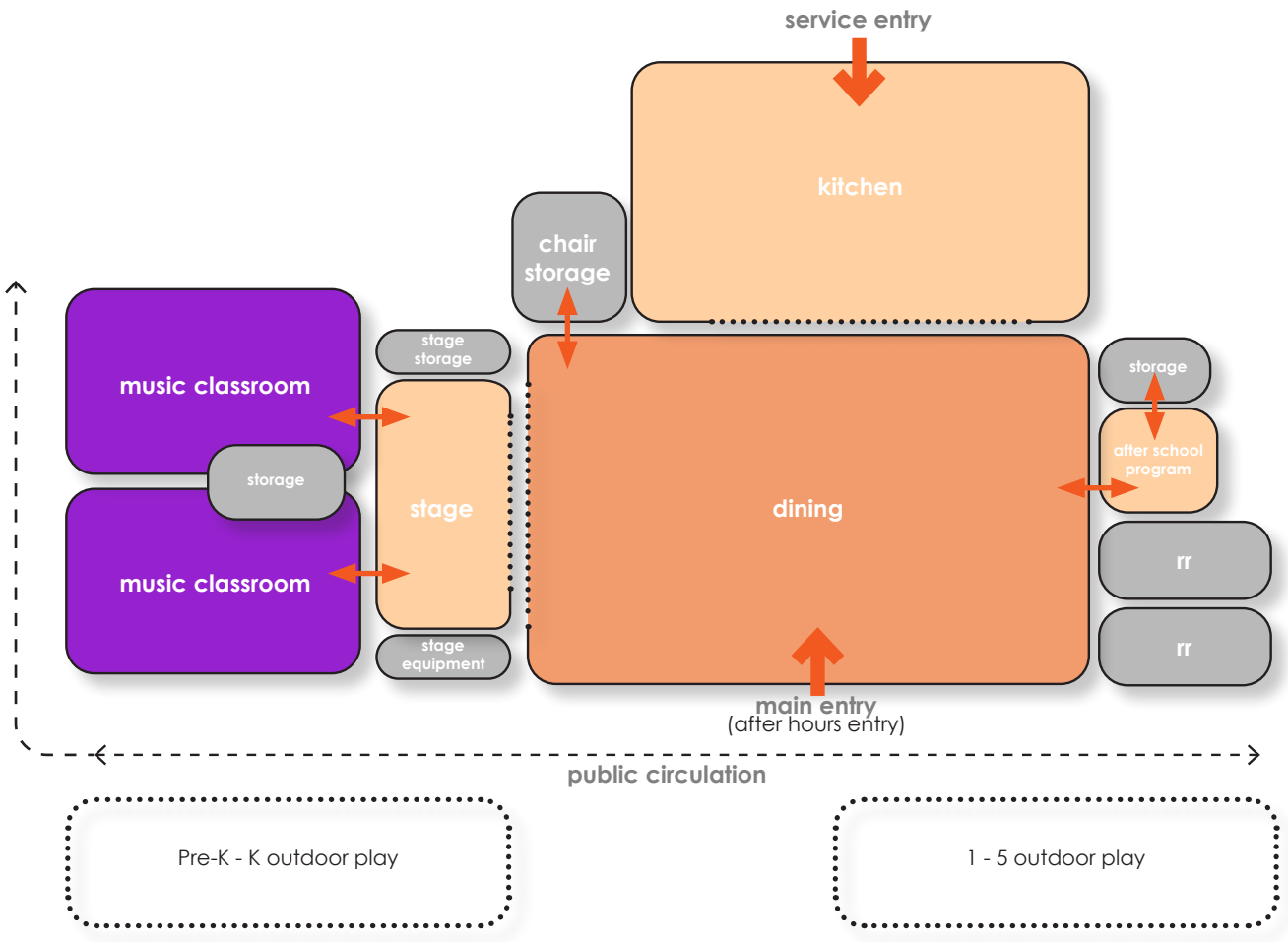
CAFETERIA / KITCHEN / ANCILLARY SPATIAL RELATIONSHIPS & ADJACENCIES

PROGRAM DESCRIPTION

The dining area is a gathering spot for students in the morning as they are dropped off for school, where breakfast and lunch are served, and a gathering spot for the community as they watch elementary school programs and events. As such, the dining area should be flexible in its arrangement and be oriented towards a stage/performing area.

Kitchen space includes serving lines, cooking/prep areas, as well as storage and main custodial spaces. Restrooms shall be provided near/adjacent to the dining space. Music and stage are also located near the cafeteria space. Serving and kitchen spaces should be designed in conjunction with a Food Services Consultant. Stage and chair/table storage are also located within the cafeteria/commons area.

CAFETERIA / KITCHEN DIAGRAM



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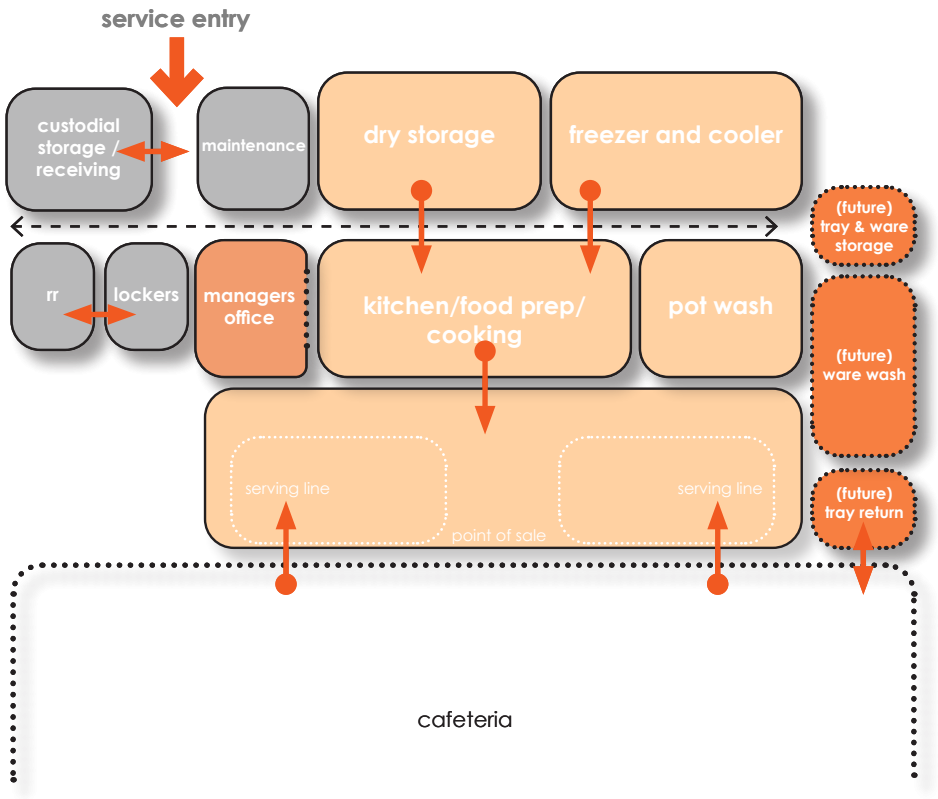
CAFETERIA / KITCHEN / ANCILLARY SPATIAL RELATIONSHIPS & ADJACENCIES

KITCHEN DIAGRAM



NOTES

Kitchen design is beyond the scope of these Educational Specifications.
Notes for the kitchen designer:

1. All disposable serving ware.
2. OFOI digital menu boards (content provided by Nutrislice service).
3. Elevated loading dock not required.
4. Loading doors and storage doors shall be 3'-6" or 4'-0" wide.
5. Kitchen laundry is handled by a service, no washer/dryer required.
6. Include TAS dressing bench in locker vestibule.
7. Manager's office should have two workstations, one for manager and one for computer based training. Built-in furniture is okay.
8. Locate time-clock near loading door, not inside manager's office.
9. Serving line lighting 5000K color temperature.
10. Can wash is used by building custodial, not kitchen staff.
11. Kitchen and serving line flooring is polished concrete. OFOI mats at high slip risk areas.
12. Roof-mounted refrigeration racks for walk-in and reach-in coolers and freezers.

Educational Specifications

Ector County Independent School District

Middle Schools 2024

ECISD

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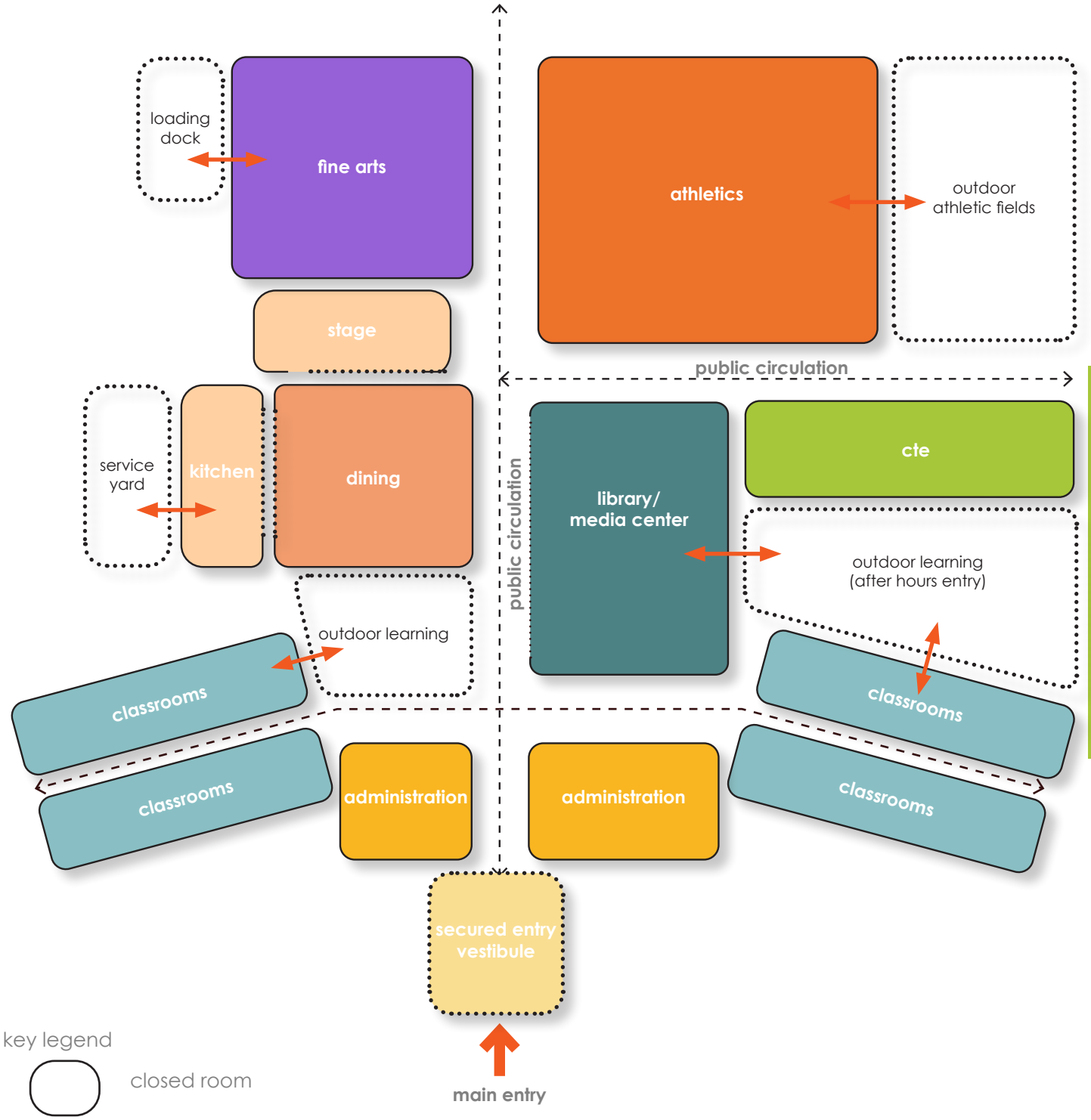
EXECUTIVE PROGRAM SUMMARY

SPACE/FUNCTION	AREA
ADMINISTRATION	6,915
CLINIC	1,010
COUNSELING SUITE	2,130
LIBRARY / MEDIA CENTER	5,100
GENERAL ACADEMICS	57,840
SP.E.CIAL EDUCATION	7,070
FINE ARTS	17,480
ATHLETICS / PHYSICAL EDUCATION	33,045
CTE AREA	12,900
CAFETERIA / STUDENT DINING	9,490
KITCHEN	5,337
ANCILLARY / CUSTODIAL	800
TECHNOLOGY	945
POLICE	420
TOTAL NET AREA	160,482
UNASSIGNED SPACE (MECH, CIRCULATION, WALLS, ETC.) @ 45% NET AREA	72,217
TOTAL BUILDING GROSS SQUARE FEET	232,699

PROGRAM CAPACITY SHEET

SPACE/FUNCTION	TEACHING SPACES	STUDENTS/ SPACE	% Utilization		NOTES
GENERAL ACADEMICS TEACHING STATIONS					
General Classrooms	25	28	85%	595	Based on 32SF/Student
Science Labs	8	26	85%	177	Based on 58SF/Student
ELECTIVES / CAREER TECH STATIONS					
Art Labs	2	26	85%	44	
Digital STEM Labs	3	26	85%	66	
Health Classrooms	2	26	85%	44	
CTE Labs	4	24	85%	82	
Robotics	1	24	85%	20	
Computer Science	1	24	85%	20	
Flex CTE	2	28	85%	48	
Special Education	3	12	85%	31	
Drama	1	25	85%	21	
Band/ Choir/ Orchestra	3	50	85%	128	
TOTAL STUDENT CAPACITY @ 85% UTILIZATION				1,276	

BUILDING ADJACENCY



ADMINISTRATION PROGRAM OF SPACES

SPACE/FUNCTION	QUANTITY	NET UNIT	TOTAL NET	NOTES

ADMINISTRATION	Qty	SF	Total
Secured Entry Vestibule	1	300	300
Reception / Waiting Area	1	400	400
Attendance Office	1	270	270
Principals Secretary	1	200	200
Principals Office	1	250	250
Conference Room - Principal	1	250	250
Assistant Principals Office	4	225	900
Assistant Principals Secretary Waiting	1	150	150
Administration Storage	1	150	150
Administration Restroom	2	120	240
Administration Conference Room	1	300	300
Copy Room	1	150	150
Mail Room / Workroom	1	400	400
Vault	1	100	100
Registrar	1	150	150
Records Storage (Within Registrar)	1	200	200
Secure Test Storage	1	200	200
Faculty Lounge	1	600	600
Faculty Restroom	2	75	150
Communities In Schools (CIS)	1	700	700
Instructional Specialists	1	700	700
Wellness Room (Mother's Room / Lactation)	1	80	80
Visitors Restroom	1	75	75
Subtotal Administration			**6,915**

CLINIC	Qty	SF	Total
Reception / Waiting Area	1	200	200
Clinic Staff Work Area	2	40	80
Cot Area	2	60	120
Isolation / Exam Room	2	150	300
Nurse Office	1	150	150
Storage Room	1	60	60
Restroom	1	100	100
Subtotal Clinic			**1,010**

COUNSELING SUITE	Qty	SF	Total
Counseling Secretary / Reception	1	250	250
Counselors Office	4	250	1,000
Student Assistance Services (SAS)	1	250	250
Counseling Sensory Room	1	300	300
Records Room	1	100	100
Copy Area	1	80	80
Clerk	1	150	150
Subtotal Counseling Suite			**2,130**

TOTAL ADMINISTRATION SUITE			**10,055**

NOTES:
1. "AED" Automatic External Defibrillator (in front office and cafeteria, HS athletics).
2. Trauma "STB" Stop the Bleeding Kit (in clinic, coaches offices, front office).

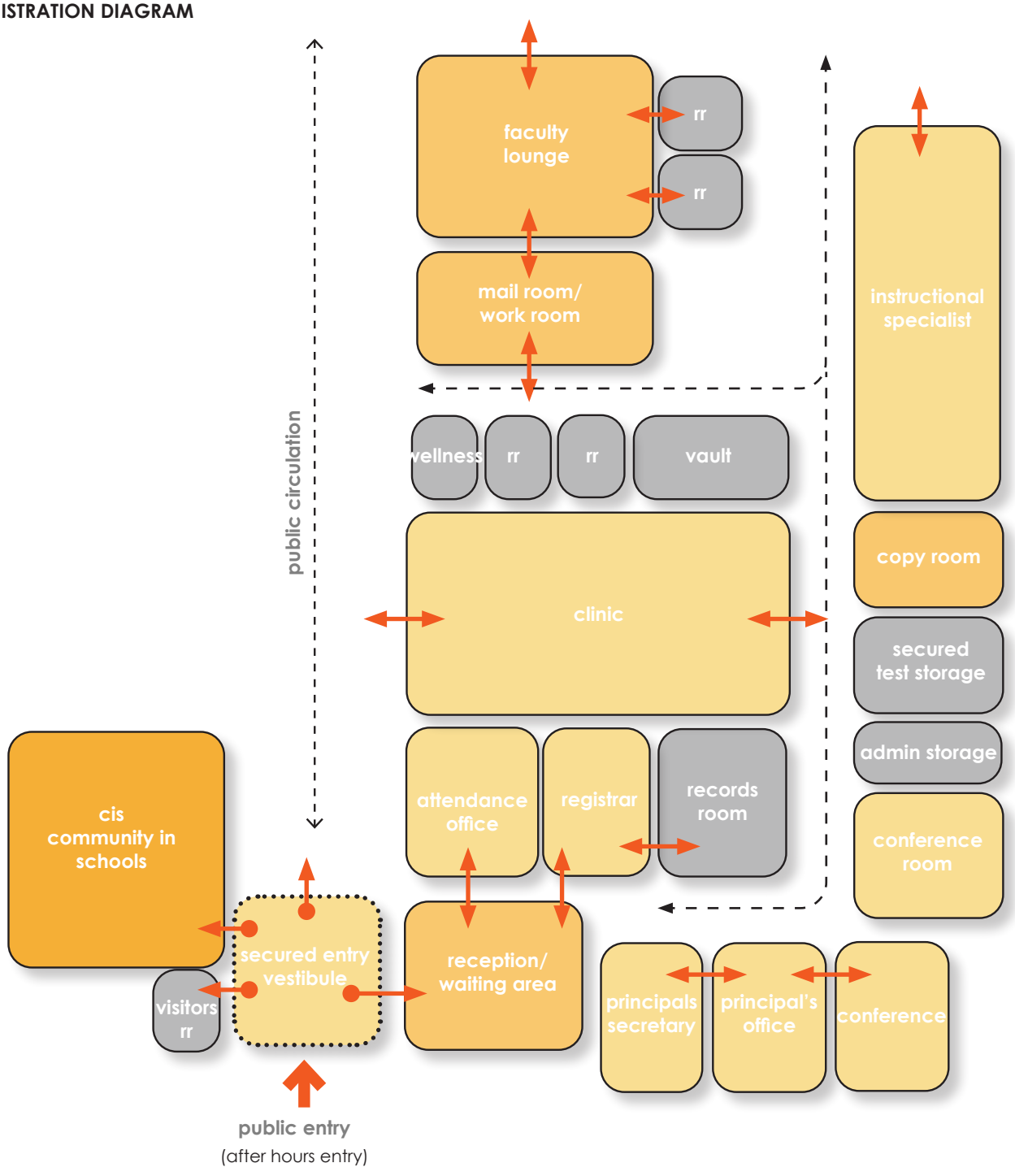
ADMINISTRATION SPATIAL RELATIONSHIPS & ADJACENCIES

PROGRAM DESCRIPTION

The administration area should be the focal point of the school entrance and should serve as a welcome center for everyone visiting the campus. Entry into the building via a secure vestibule will lead students, parents, and visitors directly to the school after their documentation has been verified.

Since the administrative area is the initial contact guests will have to the building, the office area should be inviting and contribute to the overall feel that the school is a collaborative space that encourages interaction between parents, staff, and students.

ADMINISTRATION DIAGRAM



LIBRARY / MEDIA CENTER PROGRAM OF SPACES

LIBRARY / MEDIA CENTER	Qty	SF	Total
Library Stacks, Circulation Desk, etc.	1	2,370	2,370
Library Workroom	1	200	200
Spare Device Storage	1	200	200
Library Restroom (Users)	1	75	75
Library Restroom (Staff)	1	75	75
Library Office	1	120	120
Professional Collections	1	100	100
Broadcast Studio / Green Screen	1	160	160
Maker Space	1	900	900
Digital Learning Classroom	1	900	900
TOTAL LIBRARY / MEDIA CENTER			**5,100**

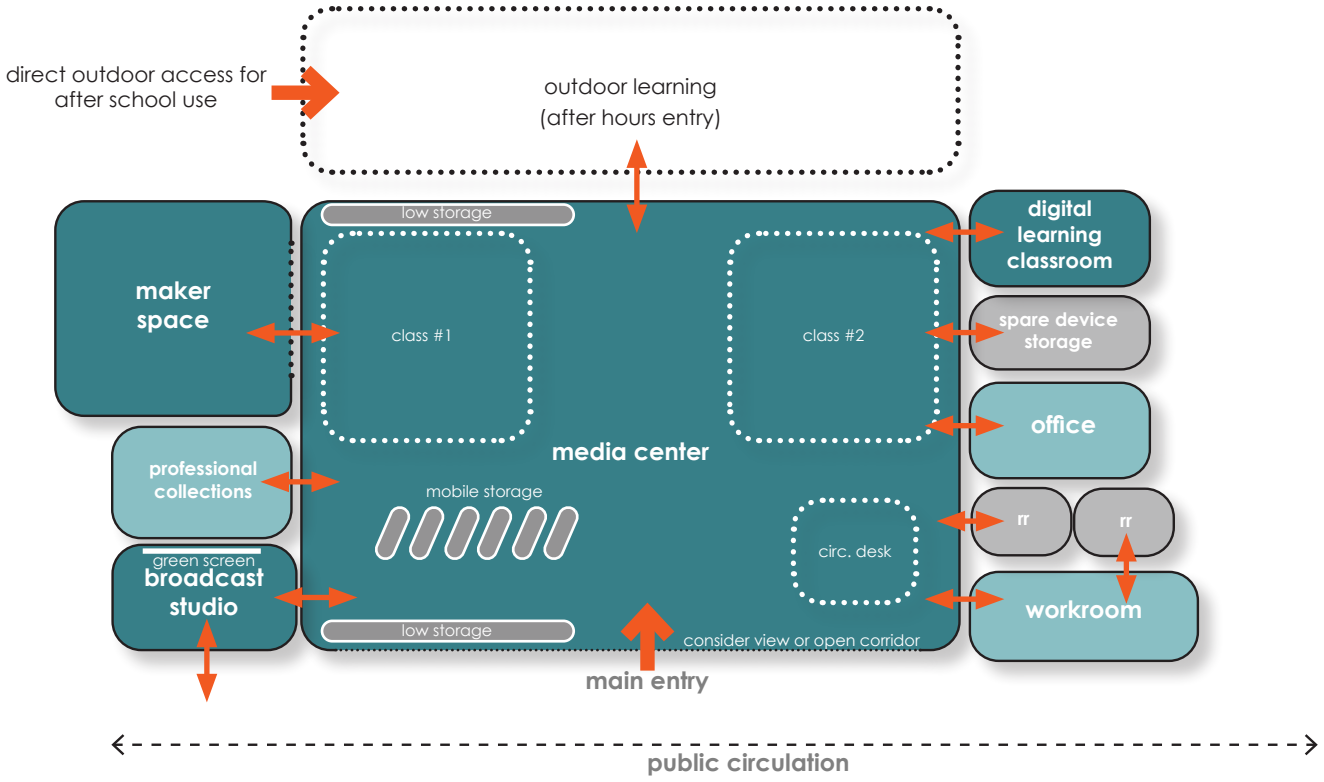
LIBRARY / MEDIA CENTER PROGRAM OF SPACES

PROGRAM DESCRIPTION

The library/media center area within middle schools should be the heart of the campus and the main gathering place where students, staff, and visitors can see the collaborative spirit of the school and innovative work being done. Special care should be taken to make sure the library/media center is a vibrant and inviting space for the school and the community. The space should be an area where students can gather for group learning and reading as well as book check-out, research, collaborative project building, and independent learning.

The library/media center should be flexible to allow for multiple activities to take place at once. Included in and adjacent to the media center are various spaces such as a makerspace, digital learning lab, broadcast studio, and access to outdoor learning.

LIBRARY / MEDIA CENTER DIAGRAM



GENERAL ACADEMICS PROGRAM OF SPACES

GENERAL ACADEMICS	Qty	SF	Total	
English Language Arts and Reading Classroom	7	900	6,300	Based on 32 SF/ student (28 Students)
ESL Classroom	1	900	900	Based on 32 SF/ student (28 Students)
Foreign Language Classroom	2	900	1,800	Based on 32 SF/ student (28 Students)
Elective Classroom	1	900	900	Based on 32 SF/ student (28 Students)
Elective Storage	1	100	100	
Speech Classroom	2	400	800	
Math Classroom	7	900	6,300	Based on 32 SF/ student (28 Students)
Social Studies Classroom	7	900	6,300	Based on 32 SF/ student (28 Students)
Science Labs (Coombo Lab / Lecture)	8	1,510	12,080	Based on 58 SF/ student (26 Students)
Science Prep Room / Storage	6	300	1,800	
Chemical and Flammable Storage	1	60	60	
Digital STEM Labs	3	1,050	3,150	
Health Classroom	2	900	1,800	Based on 32 SF/ student (28 Students)
Resource Room	3	600	1,800	
PLC / Teacher Workroom	3	500	1,500	
ISS Classroom	2	800	1,600	
Instructional Equipment "Book" Storage	1	400	400	
Grade Level Commons	3	1,400	4,200	
Department Storage	9	150	1,350	
Boys Restroom	5	250	1,250	
Girls Restroom	5	250	1,250	
Unisex Restroom	4	75	300	
Greenhouse	1	300	300	
Outdoor Learning Space	2	800	1,600	
TOTAL GENERAL ACADEMICS			**57,840**	

NOTES

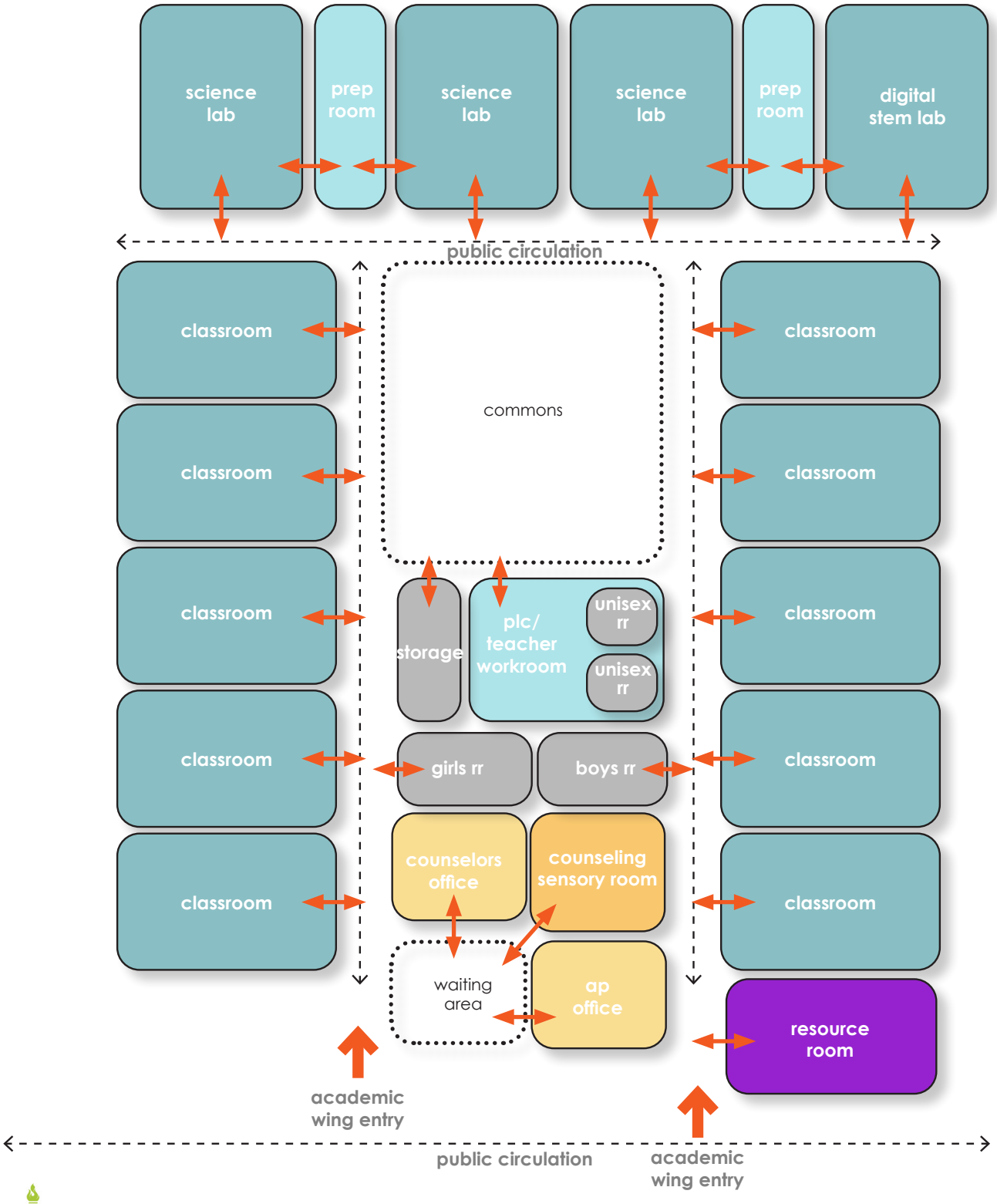
No student academic lockers in secondary schools.

GENERAL ACADEMICS SPATIAL RELATIONSHIPS & ADJACENCIES

PROGRAM DESCRIPTION

Instructional spaces should be as transparent as possible so that students, staff, and guests can see the learning ecosystem from space to space and grade level to grade level.

ACADEMIC GRADE POD DIAGRAM



SPECIAL EDUCATION PROGRAM OF SPACES

SPECIAL EDUCATION	Qty	SF	Total
Specialized Classroom	2	1,000	2,000
Behavior / Restart Room	1	750	750
Utility Room (Residential Washer and Dryer)	1	250	250
Kitchenette	1	250	250
OT-PT Motor Lab	1	450	450
Toilet for Specialized Classroom	1	150	150
Special Education Office (Flex / Inclusion Teachers)	1	450	450
Therapy Testing (Speech)	1	80	80
Equipment Storage (Shared between Specialized Classrooms)	2	160	320
Diagnostician Office	1	450	450
Evaluation Room	1	120	120
Resource Room	3	600	1,800
TOTAL SPECIAL EDUCATION			**7,070**

SPECIAL EDUCATION SPATIAL RELATIONSHIPS & ADJACENCIES

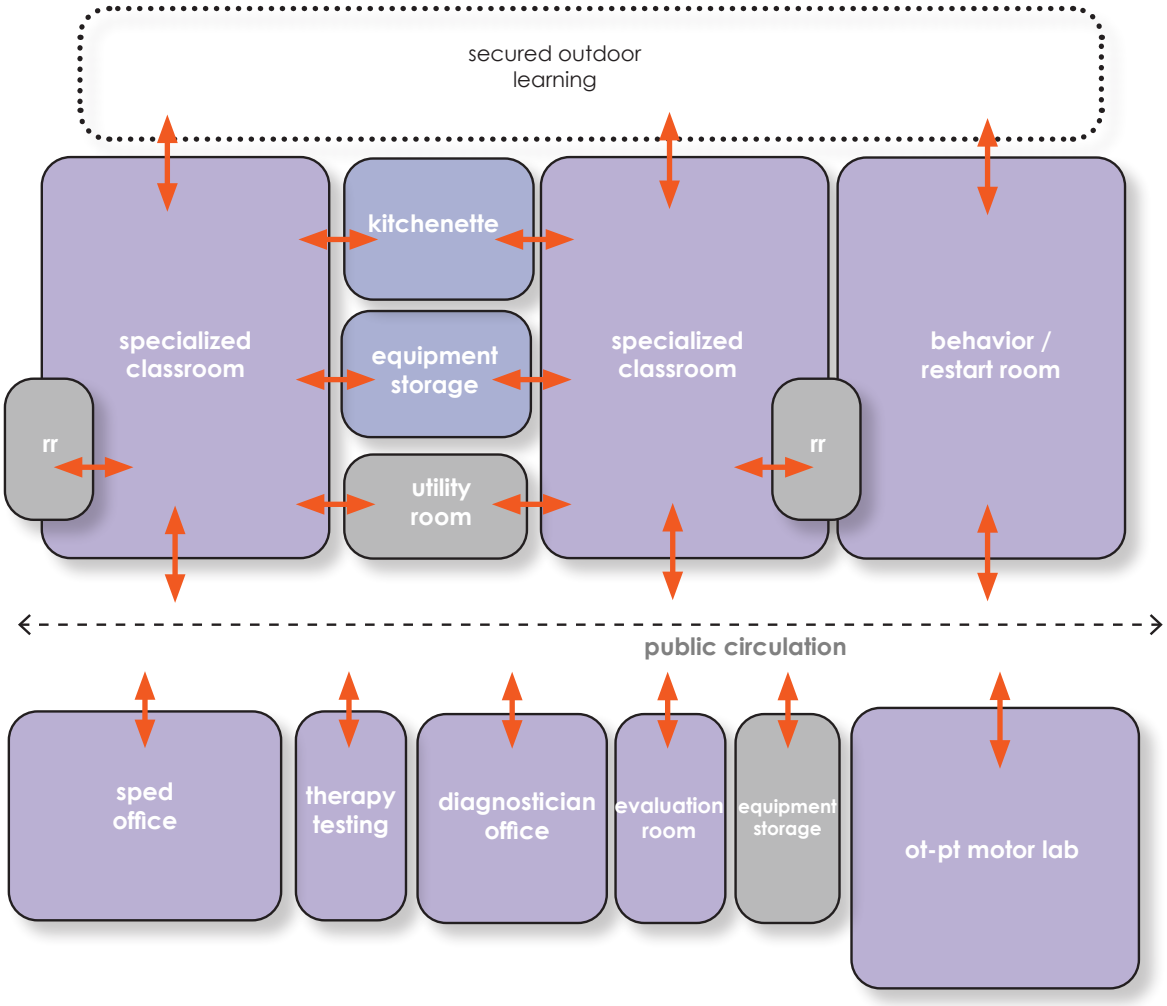
PROGRAM DESCRIPTION

Special education classrooms are centers of activity as students work on projects, collaborate with others, and learn/practice personal life-care. Spaces should be flexible so that teachers can easily adjust furniture and equipment based on the needs of the students, and special education classrooms should be in close proximity to both the bus pick-up/drop-off and the nurse's clinic.

While spaces should be transparent so they are a part of the learning ecosystem of the school, special care should be given so that students can be screened from outside viewers.

Special needs education students must be provided the least restrictive environment for the individual education programs; the special needs students need to be integrated with the rest of the student population to the greatest extent possible.

SPECIAL EDUCATION DIAGRAM

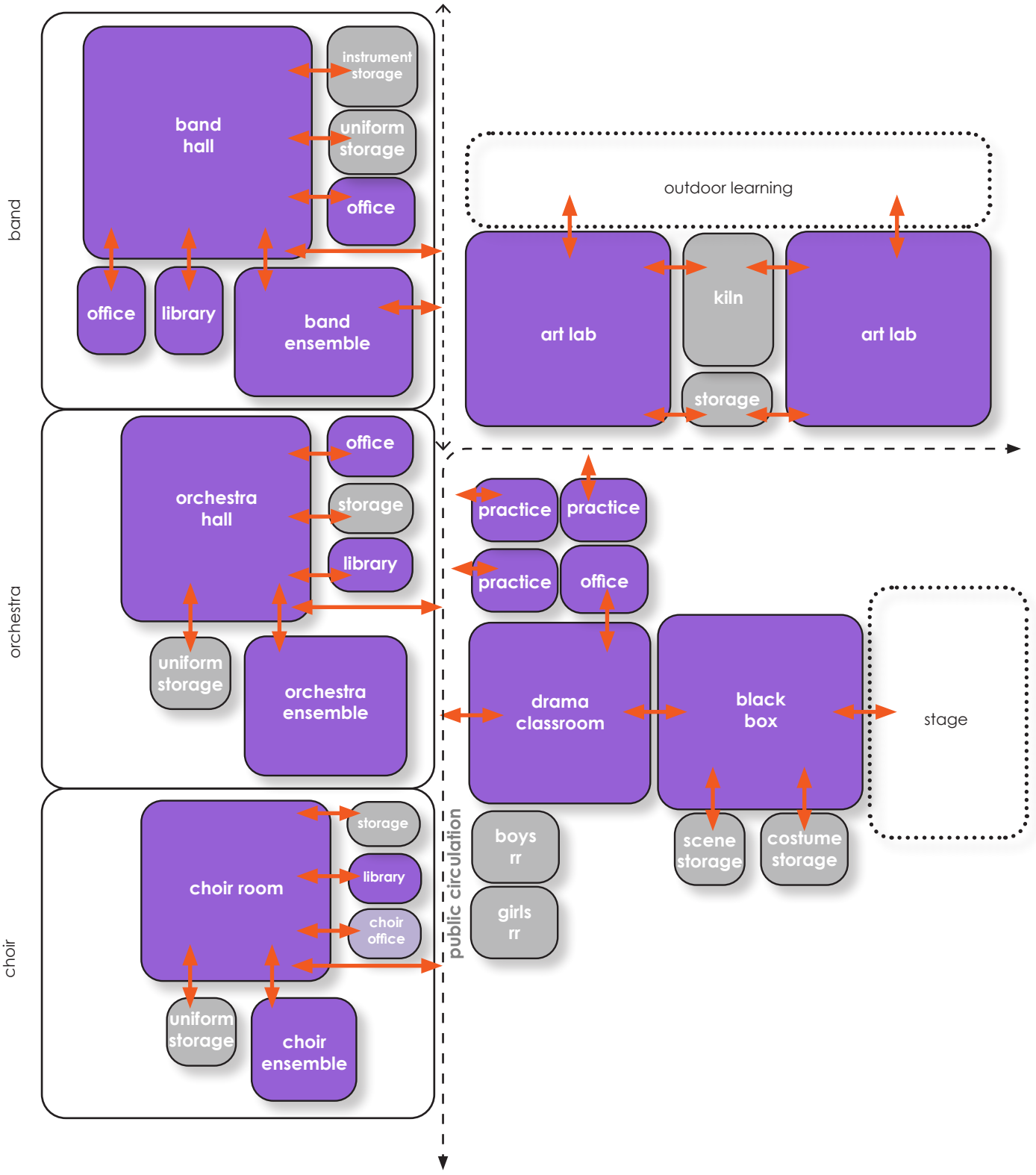


FINE ARTS PROGRAM OF SPACES

FINE ARTS	Qty	SF	Total
Art Lab	2	1,200	2,400
Art Storage	1	400	400
Kiln	1	250	250
Drama Classroom	1	1,000	1,000
Black Box	1	1,200	1,200
Drama Office	1	200	200
Drama Costume Storage	1	150	150
Drama Scene Storage	1	200	200
Band Hall	1	2,400	2,400
Band Instrument Storage	1	300	300
Band Uniform Storage	1	250	250
Band Library	1	100	100
Band Office	2	200	400
Band Ensemble Room	1	1,200	1,200
Choir Hall	1	1,450	1,450
Choir Office	1	200	200
Choir Library	1	150	150
Choir Storage	1	150	150
Choir Uniform Storage	1	250	250
Choir Ensemble	1	600	600
Orchestra Hall	1	1,600	1,600
Orchestra Office	1	200	200
Orchestra Library	1	100	100
Orchestra Storage	1	200	200
Orchestra Uniform Storage	1	250	250
Orchestra Ensemble	1	900	900
Shared Practice Room	4	120	480
Restroom	2	250	500
TOTAL FINE ARTS			**17,480**

FINE ARTS SPATIAL RELATIONSHIPS & ADJACENCIES

FINE ARTS DIAGRAM



Middle School

ATHLETICS / PHYSICAL EDUCATION PROGRAM OF SPACES

ATHLETICS / PHYSICAL EDUCATION	Qty	SF	Total
Gymnasium	2	9,000	18,000
Gym Storage	2	330	660
Spectator Restroom	2	250	500
Athletics Single User Restroom	2	80	160
Laundry	1	250	250
P.E. Storage	1	150	150
Training Room	1	225	225
Weight Room	1	2,000	2,000
Active Learning Lab / Multipurpose / Classroom	1	900	900
Boys Coaches Office	1	300	300
Boys Coaches Dressing	1	200	200
Boys P.E. Lockers	1	1,500	1,500
Boys P.E. Showers	1	200	200
Boys Team Locker	1	1,500	1,500
Boys Team Showers	1	200	200
Boys Team Storage	1	1,000	1,000
Boys Team Restroom	1	200	200
Girls Coaches Office	1	300	300
Girls Coaches Dressing	1	200	200
Girls P.E. Lockers	1	1,500	1,500
Girls P.E. Showers	1	200	200
Girls Team Locker	1	1,500	1,500
Girls Team Showers	1	200	200
Girls Team Storage	1	1,000	1,000
Girls Team Restroom	1	200	200
TOTAL ATHLETICS / PHYSICAL EDUCATION			**33,045**

Additional Spaces

Outdoor Synthetic Field, 6 Lane Track, Sports Lighting, Scoreboard

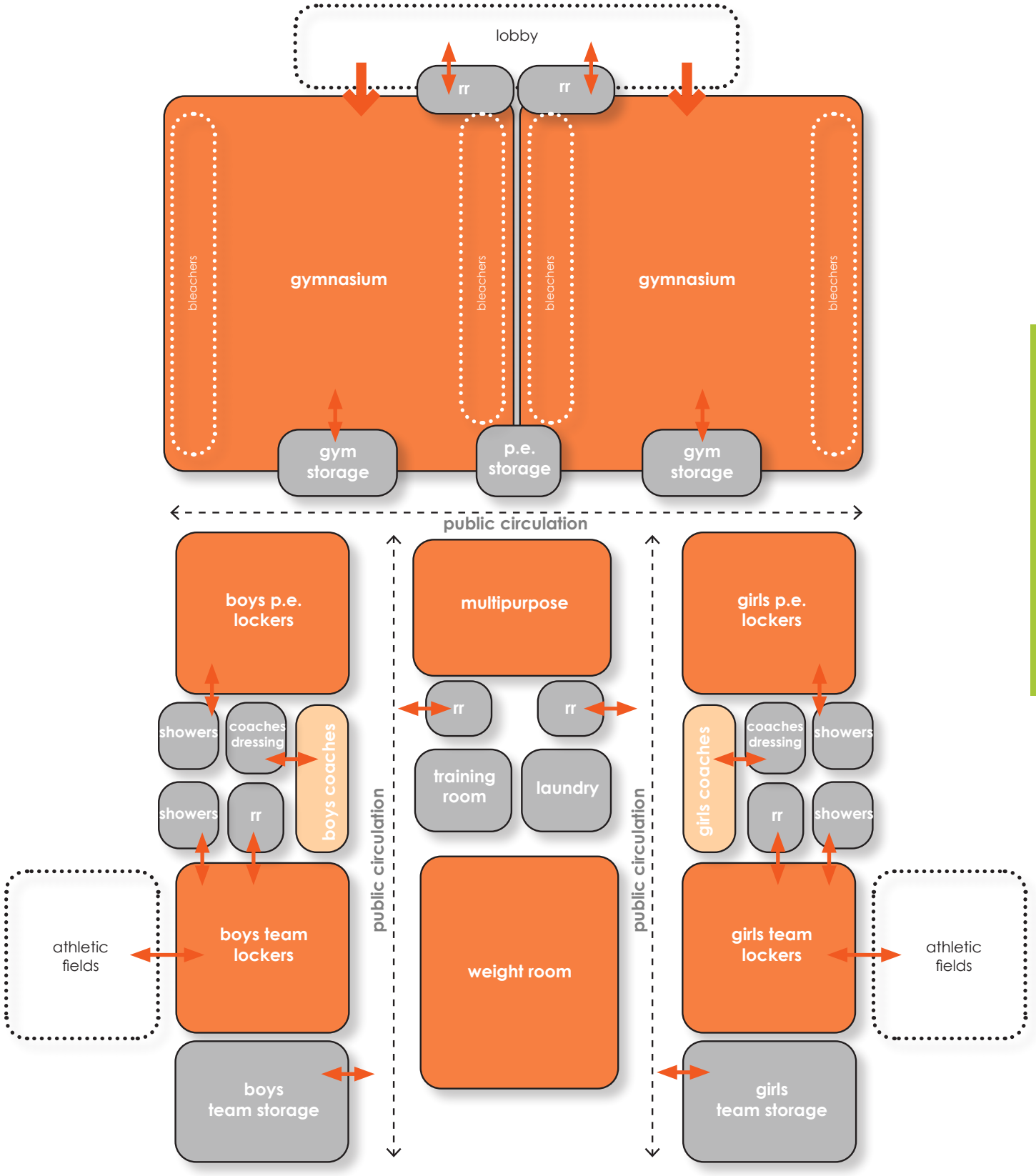
Outdoor Grandstands

Outdoor Concessions / Restrooms

Grass Practice Field

ATHLETICS / PHYSICAL EDUCATION SPATIAL RELATIONSHIPS & ADJACENCIES

ATHLETICS / PHYSICAL EDUCATION DIAGRAM



Middle School

CTE AREA PROGRAM OF SPACES

CTE AREA	Qty	SF	Total
Touch Systems Data Entry	2	1,200	2,400
College Career Explore	1	2,000	2,000
PLTW Gateway to Technology (Computer Lab Plus Project Space)	1	2,000	2,000
PLTW Storage	1	200	200
Robotics	1	1,600	1,600
Robotics Storage	1	200	200
Computer Science	1	1,800	1,800
Flex Computer Lab (Shared CTE / Testing / Etc.)	2	900	1,800
E-Sports Arena	1	900	900
TOTAL CTE AREA			**12,900**

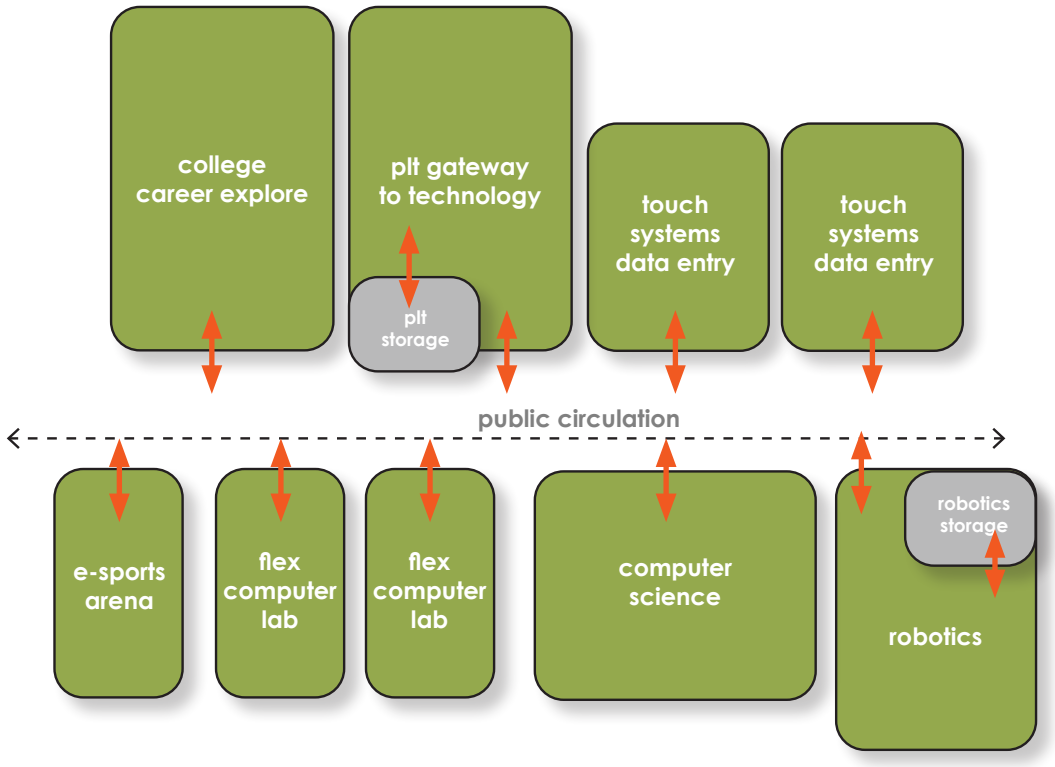
CTE AREA SPATIAL RELATIONSHIPS & ADJACENCIES

PROGRAM DESCRIPTION

CTE programs at middle schools need to be future focused and allow students the opportunity for exploration of careers and work related skills.

Career and Technical Education (CTE) programs within Ector County ISD provide a variety of courses in many career pathways. Included at middle schools are college career explore, technology labs, data entry labs, robotics, and computer science.

CTE AREA DIAGRAM



CAFETERIA / KITCHEN / ANCILLARY PROGRAM OF SPACES

SPACE/FUNCTION	QUANTITY	NET UNIT	TOTAL NET	NOTES
CAFETERIA / STUDENT DINING	**Qty**	**SF**	**Total**	
Dining	1	6,800	6,800	
Stage	1	1,200	1,200	
Stage Equipment Room	1	100	100	
Stage Storage	1	250	250	
Chair and Table Storage	1	500	500	
Student Restroom	2	320	640	
Subtotal Cafeteria / Student Dining			**9,490**	
KITCHEN	**Qty**	**SF**	**Total**	
Serving	2	779	1,558	
À La Carte	1	350	350	
Pot Wash	1	321	321	
Managers Office	1	100	100	
Kitchen / Food Prep / Cooking	2	779	1,558	
Utility Room / Custodial	1	100	100	
Locker Room (Staff)	1	100	100	
Kitchen Staff Restroom	1	100	100	
Receiving Area	1	100	100	
Dry Storage	1	300	300	
Walk-in Freezer and Walk-in Cooler	1	360	360	
Disposable Ware and Paper Goods Storage	1	120	120	
Future Ware Wash	1	150	150	
Future Tray Return	1	60	60	
Future Tray and Ware Storage	1	60	60	
Subtotal Kitchen			**5,337**	
ANCILLARY / CUSTODIAL	**Qty**	**SF**	**Total**	
Custodial Closet	6	60	360	
Custodial Storage	1	300	300	
Maintenance (1 Staff)	1	100	100	
Outdoor Can Wash	1	40	40	
Subtotal Ancillary / Custodial			**800**	
TOTAL CAFETERIA / STUDENT DINING / KITCHEN / ANCILLARY / CUSTODIAL			**15,627**	

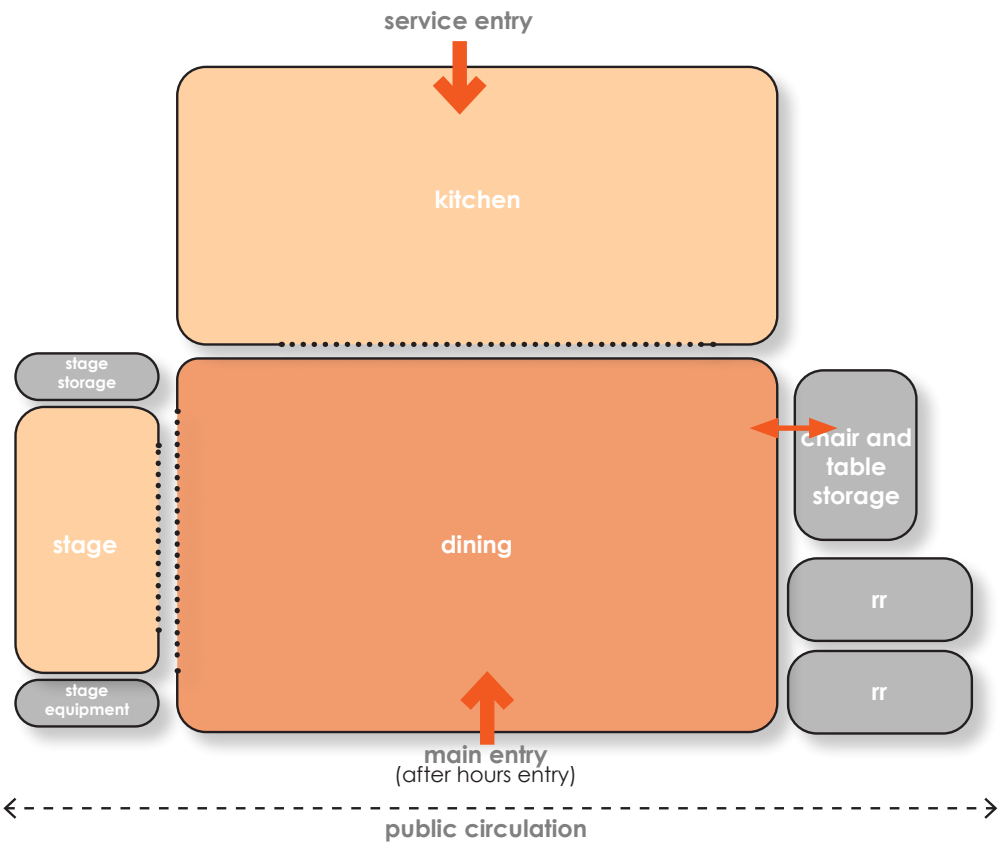
CAFETERIA / KITCHEN / ANCILLARY SPATIAL RELATIONSHIPS & ADJACENCIES

PROGRAM DESCRIPTION

The dining area is a gathering spot for students in the morning as they are dropped off for school and a gathering spot for the community as they watch programs and events. As such, the dining area should be flexible in its arrangement and be oriented towards a stage/performing area.

Kitchen space includes serving lines, cooking/prep areas as well as storage and main custodial spaces. Restrooms shall be provided near/adjacent to the dining space. Music and stage are also located in close proximity to the cafeteria space and are addressed in the fine arts section of the Educational Specifications. Serving and kitchen spaces should be designed in conjunction with a Food Services Consultant. Stage and chair/table storage are also located within the cafeteria/commons area.

CAFETERIA / KITCHEN DIAGRAM



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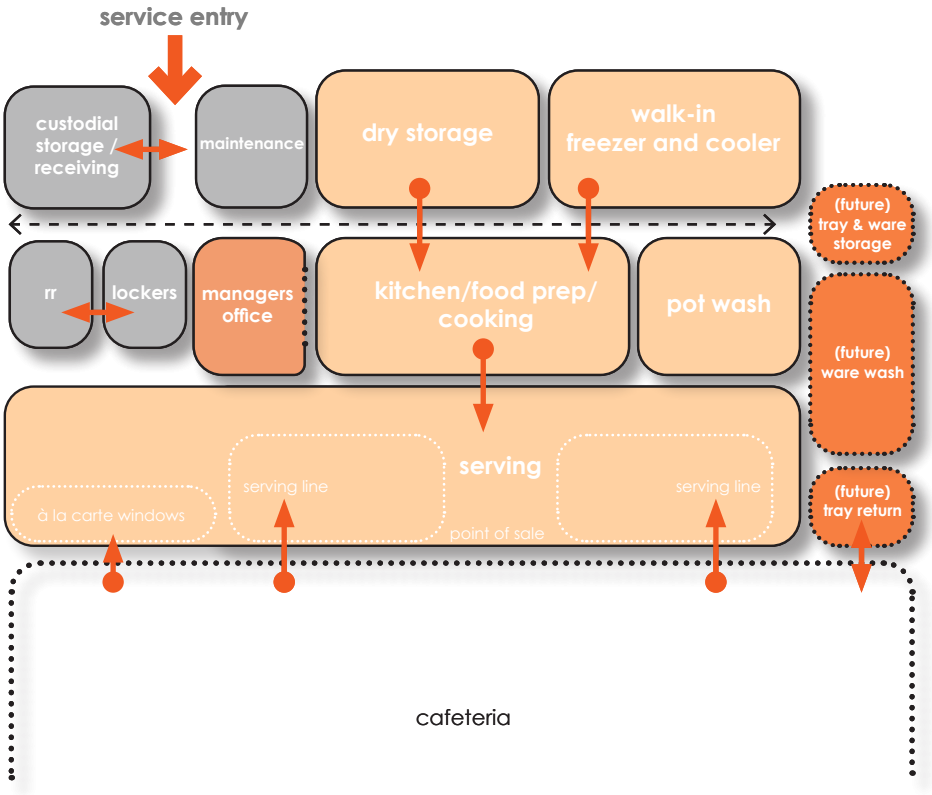
CAFETERIA / KITCHEN / ANCILLARY SPATIAL RELATIONSHIPS & ADJACENCIES

KITCHEN DIAGRAM



NOTES

Kitchen design is beyond the scope of these Educational Specifications.
Notes for the kitchen designer:

1. All disposable serving ware.
2. OFOI digital menu boards (content provided by Nutrislice service).
3. Elevated loading dock not required.
4. Loading doors and storage doors shall be 3'-6" or 4'-0" wide.
5. Kitchen laundry is handled by a service, no washer/dryer required.
6. Include TAS dressing bench in locker vestibule.
7. Manager's office should have two workstations, one for manager and one for computer based training. Built-in furniture is okay.
8. Locate time-clock near loading door, not inside manager's office.
9. Serving line lighting 5000K color temperature.
10. Can wash is used by building custodial, not kitchen staff.
11. Kitchen and serving line flooring is polished concrete. OFOI mats at high slip risk areas.
12. Roof-mounted refrigeration racks for walk-in and reach-in coolers and freezers.

TECHNOLOGY / POLICE PROGRAM OF SPACES

TECHNOLOGY	Qty	SF	Total
MDF Room	1	225	225
IDF Room	5	120	600
Device Storage ("spare" 3%)	1	120	120
Subtotal Technology			**945**

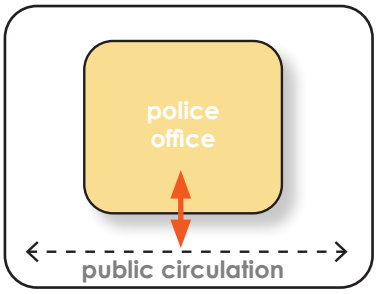
POLICE	Qty	SF	Total
Police Office	1	120	120
Security Office w/ Adjacent Vestibule and Processing	1	120	120
Police Vestibule / Waiting	1	80	80
Police Processing	1	100	100
Subtotal Police			**420**
TOTAL TECHNOLOGY / POLICE			**1,365**

NOTES

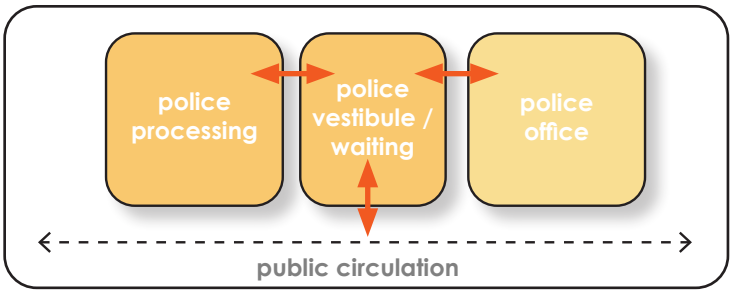
Quantity of IDF rooms may vary depending on the layout of the school.

TECHNOLOGY / POLICE SPATIAL RELATIONSHIPS & ADJACENCIES

POLICE DIAGRAM

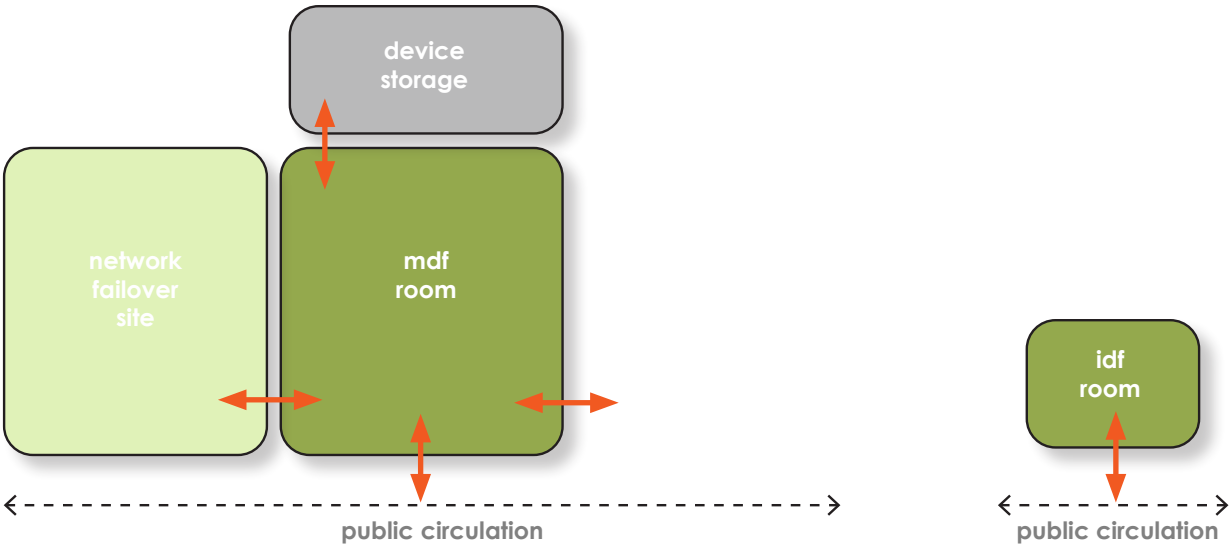


TYPE 1 PD SUITE (X2)



TYPE 3 PD SUITE (X1)

TECHNOLOGY DIAGRAM



Educational Specifications

Ector County Independent School District

High Schools 2024

ECISD

OUR students...THE future

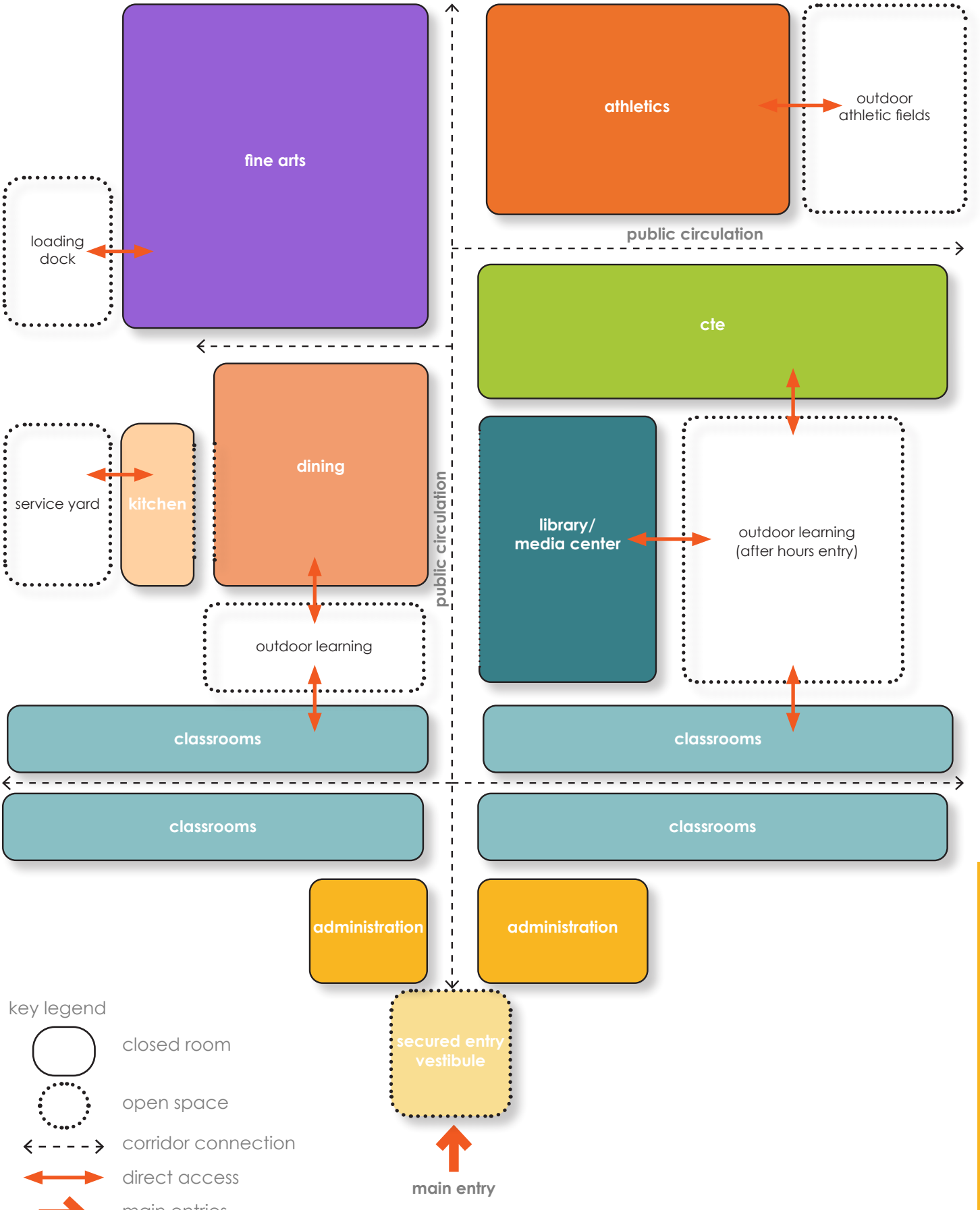
EXECUTIVE PROGRAM SUMMARY

SPACE/FUNCTION	AREA
ADMINISTRATION	10,015
CLINIC	1,210
COUNSELING SUITE	2,780
AUXILIARY COUNSELING SUITE	2,500
LIBRARY / MEDIA CENTER	8,500
GENERAL ACADEMICS	102,637
SPECIAL EDUCATION	7,440
AUDITORIUM DRAMA	20,920
ART	5,100
BAND	7,660
CHOIR	4,475
ORCHESTRA	5,995
DANCE	4,040
ROTC (UNDER FINE ARTS)	3,970
ATHLETICS / PHYSICAL EDUCATION	89,440
CTE	31,450
CAFETERIA / STUDENT DINING	15,240
KITCHEN	12,668
ANCILLARY / CUSTODIAL	3,210
TECHNOLOGY	1,410
POLICE	980
TOTAL NET AREA	341,640
UNASSIGNED SPACE (MECH, CIRCULATION, WALLS, ETC.) @ 45% NET AREA	153,738
TOTAL BUILDING GROSS SQUARE FEET	495,378

PROGRAM CAPACITY SHEET

SPACE/FUNCTION	TEACHING SPACES	STUDENTS/ SPACE	% Utilization		NOTES
GENERAL ACADEMICS TEACHING STATIONS					
General Classrooms	58	26	85%	1,282	Based on 32SF/Student
Science Labs	17	26	85%	376	Based on 58SF/Student
Multi-Purpose Labs	3	26	85%	66	
ELECTIVES / CAREER TECH STATIONS					
Art Labs	3	26	85%	66	
Health Classrooms	4	26	85%	88	
CTE Labs	23	26	85%	508	
Auto Tech	2	24	85%	41	
Construction	1	24	85%	20	
Welding	1	24	85%	20	
Culinary Arts	1	24	85%	20	
Drama	1	25	85%	21	
Special Education	4	12	85%	41	
TOTAL STUDENT CAPACITY @ 85% UTILIZATION				2,551	

BUILDING ADJACENCY



ADMINISTRATION PROGRAM OF SPACES

SPACE/FUNCTION	QUANTITY	NET UNIT	TOTAL NET	NOTES
ADMINISTRATION	**Qty**	**SF**	**Total**	
Secured Entry Vestibule	1	300	300	
Reception / Waiting Area	1	400	400	
Attendance Office	1	270	270	
Principals Secretary	1	200	200	
Principals Office	1	250	250	
Conference Room - Principal	1	300	300	
Associate Principals Office	2	225	450	
Assistant Principals Office	6	225	1,350	
Associate / Assistant Principals Secretary Waiting	6	150	900	
Administration Conference Room	1	300	300	
Administration Storage	1	150	150	
Administration Restroom	2	120	240	
Copy Room	1	150	150	
Mail Room / Workroom	1	400	400	
Vault	1	100	100	
Registrar	4	225	900	
Records Storage (in Registrar)	4	200	800	
Central Records Room	1	200	200	
Secuure Test Storage	1	800	800	
Faculty Lounge	1	600	600	
Faculty Restroom	2	75	150	
Testing Coordinator Office	1	200	200	
Instructional Specialists	2	225	450	
Wellness Room (Mother's Room / Lactation)	1	80	80	
Visitors Restroom	1	75	75	
Subtotal Administration			**10,015**	
CLINIC	**Qty**	**SF**	**Total**	
Reception / Waiting Area	1	200	200	
Clinic Staff Work Area	2	40	80	
Cot Area	4	60	240	
Isolation / Exam Room	2	150	300	
Wellness Room (Mother's Room / Lactation)	1	80	80	
Nurse Office	1	150	150	
Storage Room	1	60	60	
Restroom	1	100	100	
Subtotal Clinic			**1,210**	
COUNSELING SUITE	**Qty**	**SF**	**Total**	
Counseling Secretary / Reception	1	250	250	
Counselors Office	8	250	2,000	
Counseling Sensory Room	1	300	300	
Copy Area	1	80	80	
Clerk	1	150	150	
Subtotal Counseling Suite			**2,780**	
AUXILIARY COUNSELING SUITE	**Qty**	**SF**	**Total**	
College and Career Counselor	1	250	250	
CTE Counselor	1	250	250	
Student Assistance Services (SAS)	2	200	400	
Social Workers	3	200	600	
Teen Parent Related Services (TPRS)	3	200	600	
Communities In Schools (CIS)	2	200	400	
Subtotal Auxiliary Counseling			**2,500**	
TOTAL ADMINISTRATION SUITE			**16,505**	

NOTES:

1. "AED" Automatic External Defibrillator (in front office and cafeteria, HS athletics).
2. Trauma "STB" Stop the Bleeding Kit (in clinic, coaches offices, front office).

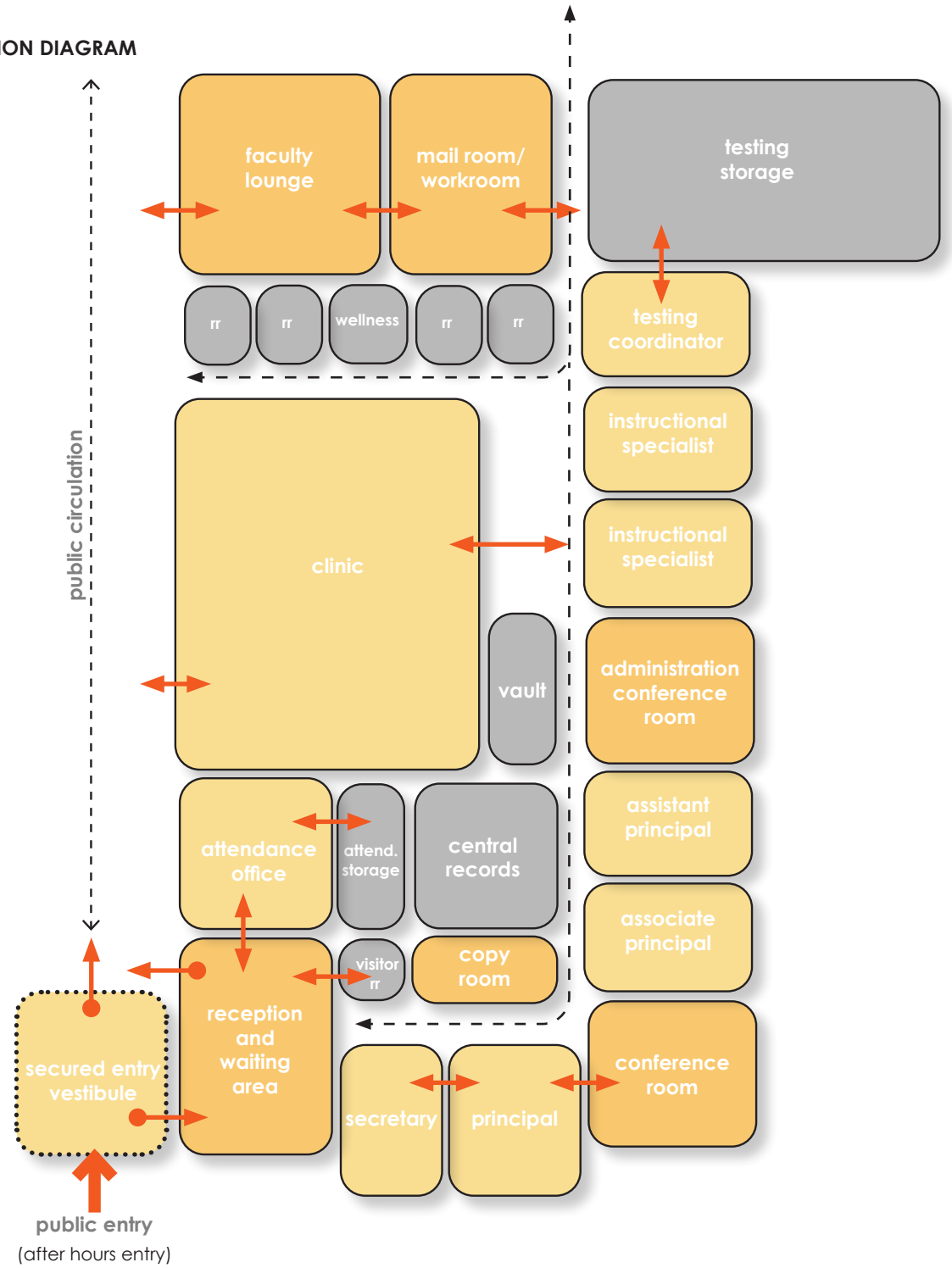
ADMINISTRATION SPATIAL RELATIONSHIPS & ADJACENCIES

PROGRAM DESCRIPTION

The administration area should be the focal point of the school entrance and should serve as a welcome center for everyone visiting the campus. Entry into the building via a secure vestibule will lead students, parents and visitors directly to the school after their documentation has been verified.

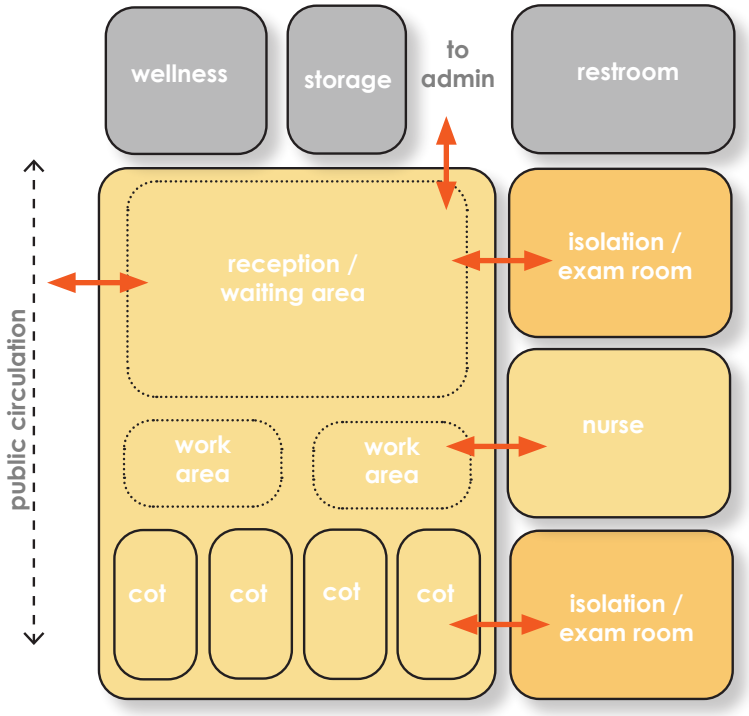
Since the administrative area is the initial contact guests will have to the building, the office area should be inviting and contribute to the overall feel that the school is a collaborative space that encourages interaction between parents, staff and students.

ADMINISTRATION DIAGRAM

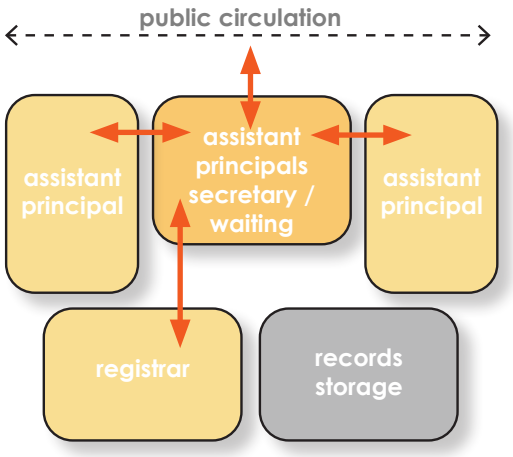


ADMINISTRATION SPATIAL RELATIONSHIPS & ADJACENCIES

CLINIC DIAGRAM



ASSISTANT PRINCIPALS SUITE DIAGRAM

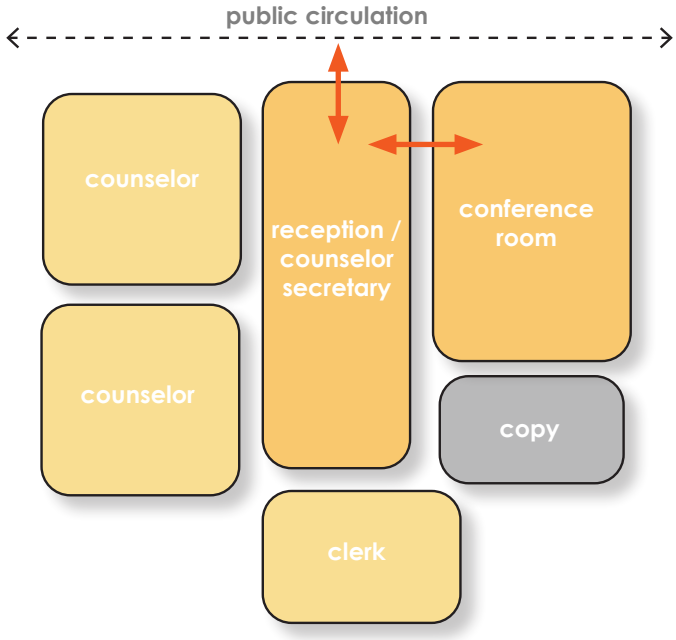


NOTES

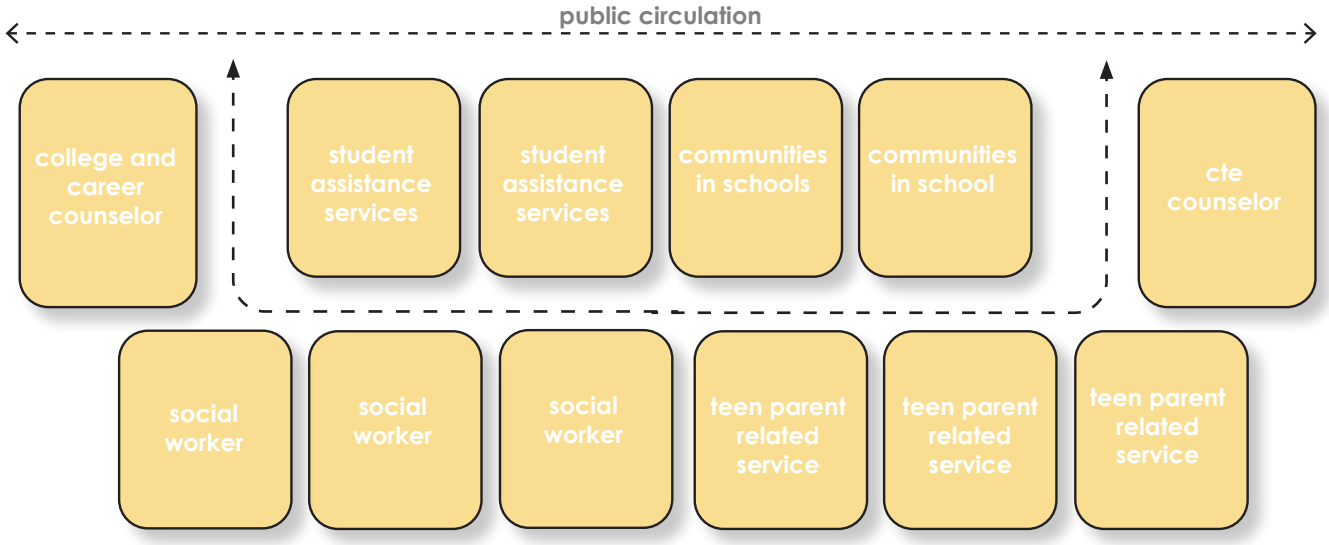
- locate in academic wings

ADMINISTRATION SPATIAL RELATIONSHIPS & ADJACENCIES

COUNSELING SUITE DIAGRAM



AUXILIARY COUNSELING SUITE DIAGRAM



LIBRARY / MEDIA CENTER PROGRAM OF SPACES

LIBRARY / MEDIA CENTER	Qty	SF	Total
Library Stacks, Circulation Desk, Etc.	1	4,505	4,505
Library Workroom	1	300	300
Audio Visual Storage	1	200	200
Study Room - Independent	3	200	600
Library Restroom (Users)	2	75	150
Library Restroom (Staff)	1	75	75
Library Office	1	120	120
Library Storage	1	100	100
Professional Collections	1	100	100
Digital Learning Classroom	1	1,200	1,200
Maker Space	1	900	900
Broadcast / Green Screen	1	250	250
TOTAL LIBRARY / MEDIA CENTER			**8,500**

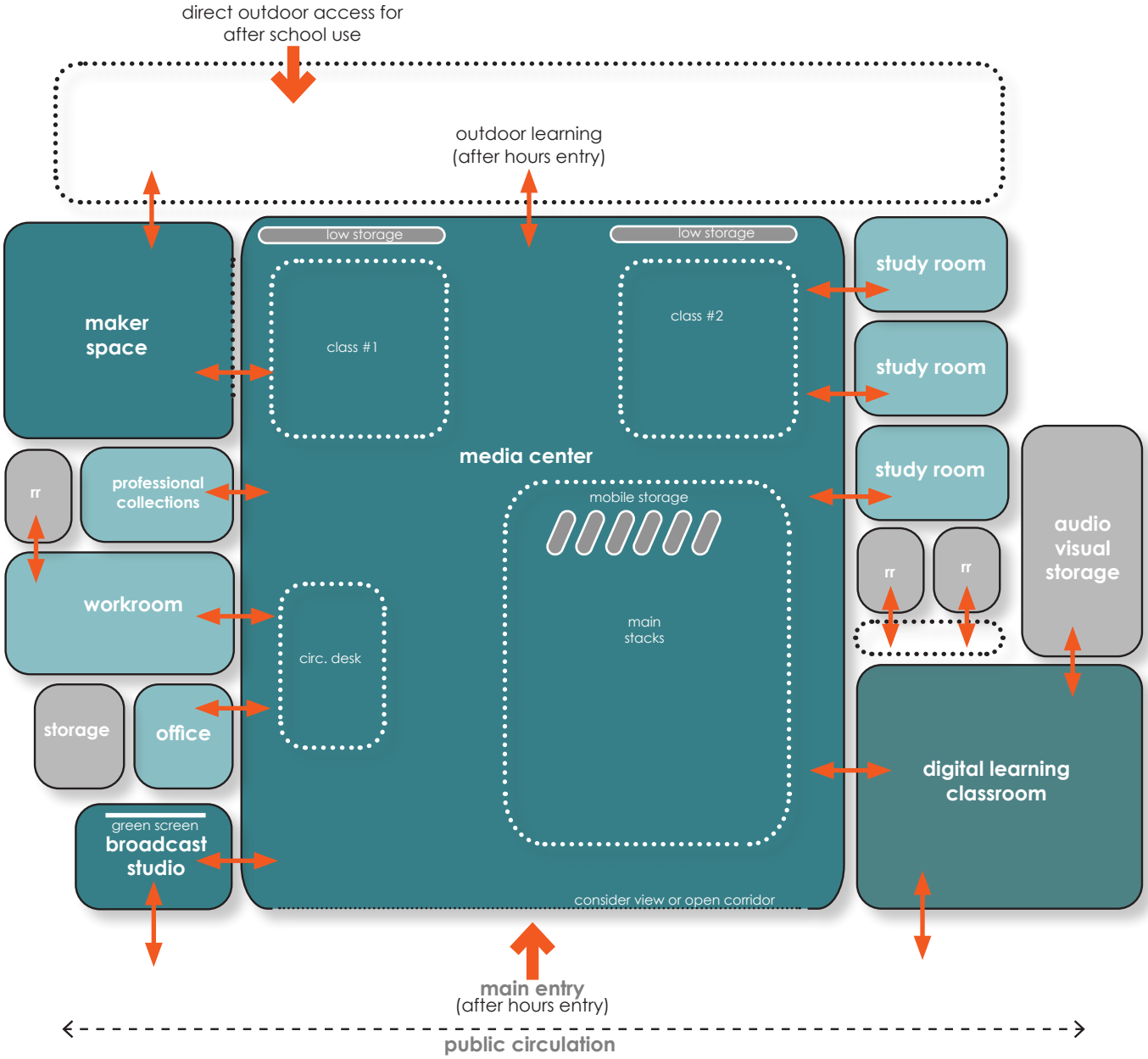
LIBRARY / MEDIA CENTER PROGRAM OF SPACES

PROGRAM DESCRIPTION

The media center area within high schools should be the heart of the campus and the main gathering place where students, staff, and visitors can see the collaborative spirit of the school and innovative work being done. Special care should be taken to make sure the library/media center is a vibrant and inviting space for the school and the community. The space should be an area where students can gather for group learning and reading as well as book check-out, research, collaborative project building, and independent learning.

The library/media center should be flexible to allow for multiple activities to take place at once. Included in and adjacent to the media center are various spaces such as a makerspace, digital learning lab, broadcast studio, and access to outdoor learning.

LIBRARY / MEDIA CENTER DIAGRAM



High School

GENERAL ACADEMICS PROGRAM OF SPACES

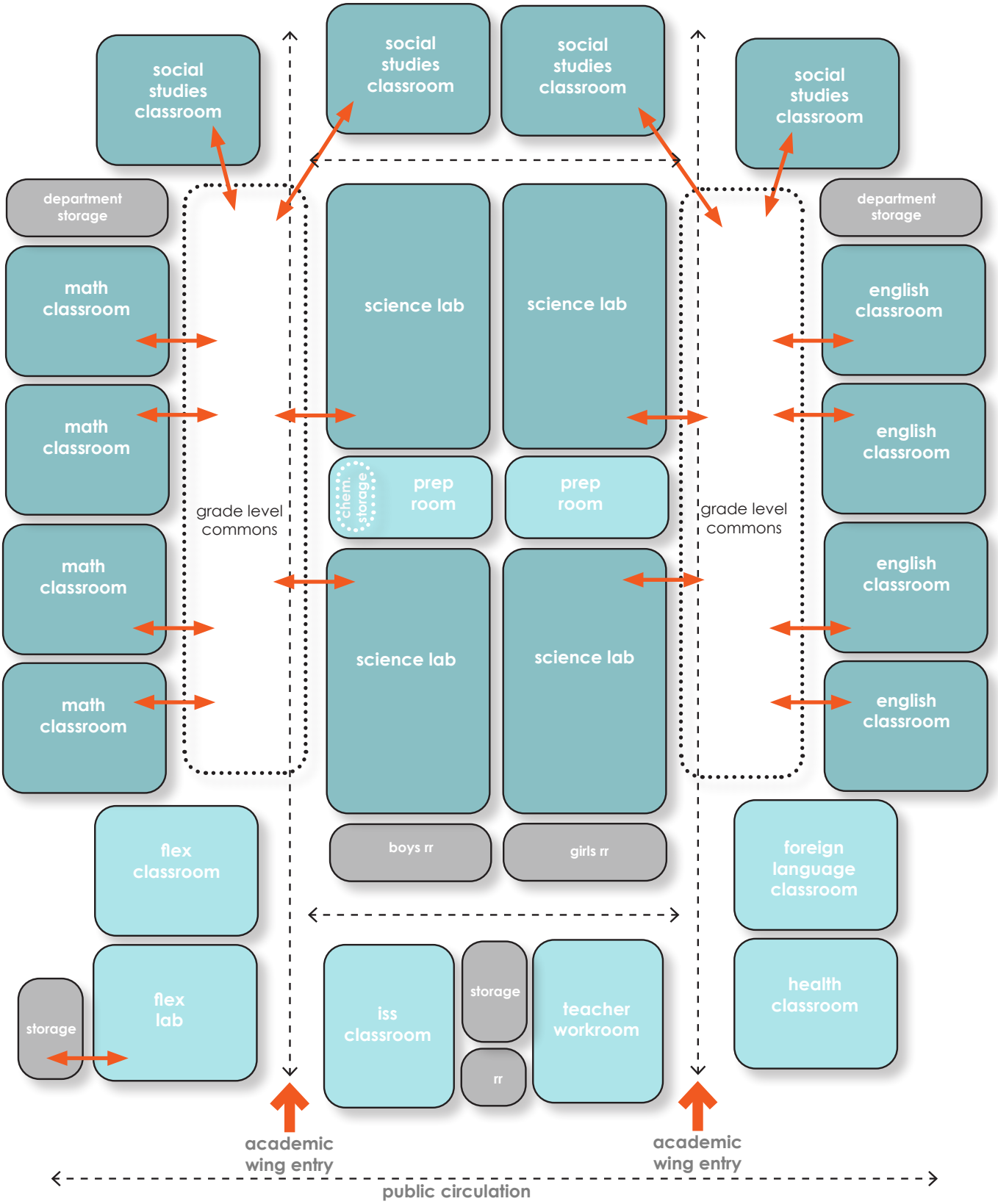
GENERAL ACADEMICS	Qty	SF	Total	
English Language Arts and Reading Classroom	17	900	15,300	Based on 32 SF/ Student (26 Students)
ESL Classroom	1	900	900	Based on 32 SF/ Student (26 Students)
Foreign Language Classroom	4	832	3,328	Based on 32 SF/ Student (26 Students)
Foreign Language Computer Lab	1	1,025	1,025	
Elective Classroom	1	900	900	Based on 32 SF/ Student (26 Students)
Elective Storage	1	100	100	
Speech Classroom	2	400	800	
Math Classroom	17	832	14,144	Based on 32 SF/ Student (26 Students)
Social Studies Classroom	17	832	14,144	Based on 32 SF/ Student (26 Students)
Science Labs (Combo Lab / Lecture)	17	1,600	27,200	Based on 58 SF/ Student (25 Students)
Science Prep Room / Storage	8	225	1,800	
Chemical and Flammable storage	4	60	240	
Health Classroom	4	832	3,328	Based on 32 SF/ Student (26 Students)
Credit Recovery Computer Lab	1	950	950	
Multi Purpose Lab (LGI)	3	1,500	4,500	
PLC / Teacher Workroom	4	500	2,000	
ISS Classroom	4	832	3,328	
Grade Level Commons	3	1,400	4,200	
Department Storage	9	150	1,350	
Boys Restroom	5	250	1,250	
Girls Restroom	5	250	1,250	
Unisex Restroom	4	75	300	
Greenhouse	1	300	300	
Outdoor Learning Space				
TOTAL GENERAL ACADEMICS			**102,637**	

NOTES

No student academic lockers in secondary schools.

GENERAL ACADEMICS SPATIAL RELATIONSHIPS & ADJACENCIES

TYPICAL 9TH GRADE ACADEMIC WING DIAGRAM



SPECIAL EDUCATION PROGRAM OF SPACES

SPECIAL EDUCATION	Qty	SF	Total
Specialized Classroom	3	1,000	3,000
Behavior / Restart Room	1	750	750
Utility Room	2	250	500
Kitchenette	1	250	250
OT-PT Motor Lab	1	450	450
Toilet for Specialized Classroom	1	150	150
Special Education Office (Flex / Inclusion Teachers)	1	450	450
Therapy Testing (Speech)	1	80	80
Equipment Storage (Shared Between Specialized Classrooms)	1	160	160
Diagnostician Office	1	450	450
Evaluation Room	1	600	600
Resource Room	1	600	600
TOTAL SPECIAL EDUCATION			**7,440**

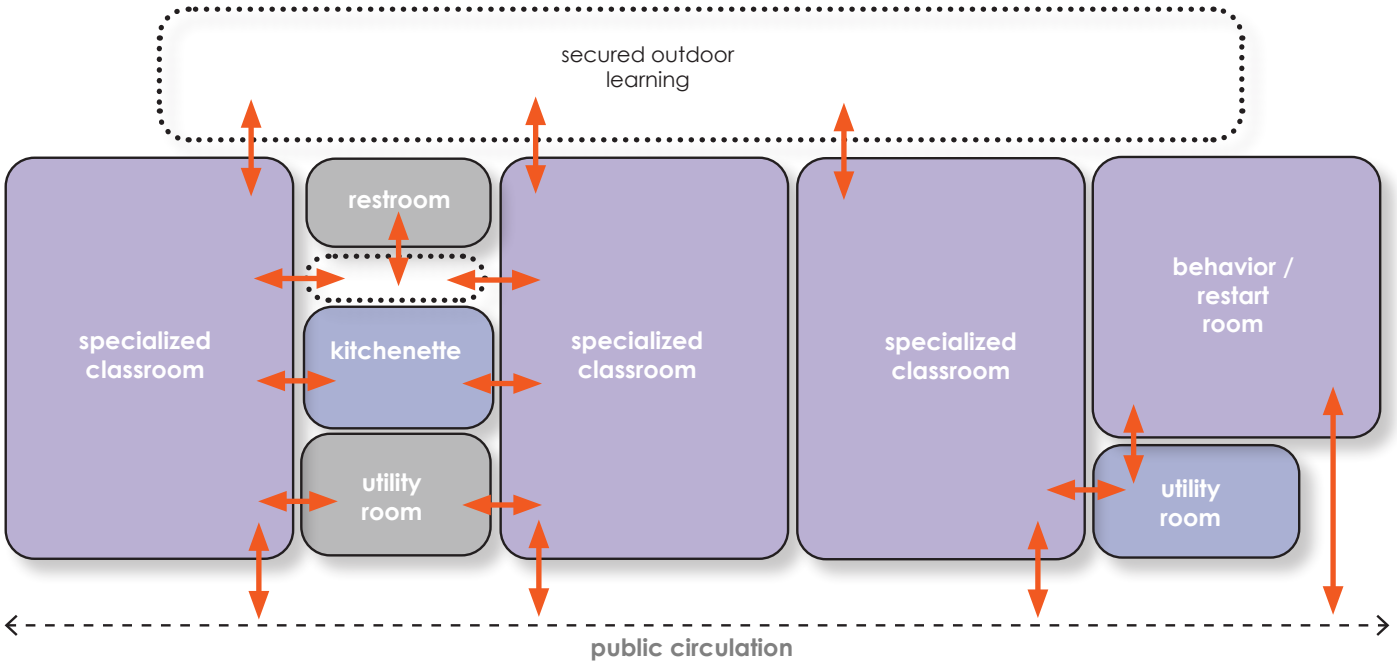
NOTES

SPECIAL EDUCATION SPATIAL RELATIONSHIPS & ADJACENCIES

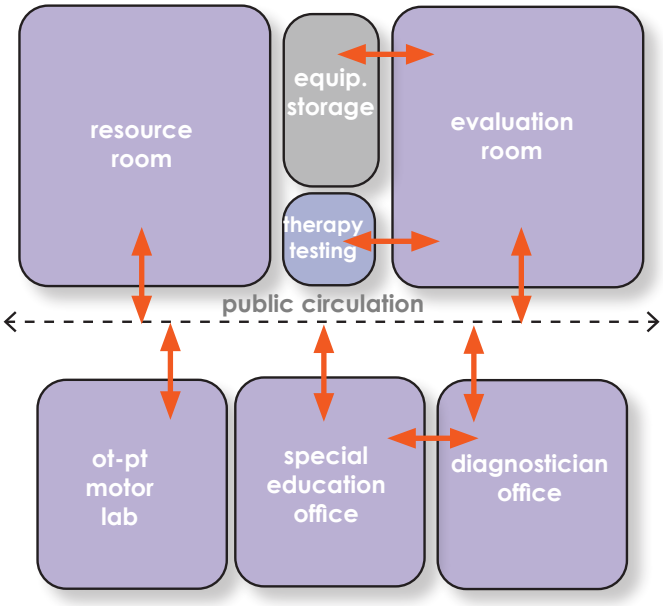
PROGRAM DESCRIPTION

Special education classrooms are centers of activity as students work on projects, collaborate with others, and learn/practice personal life-care. Spaces should be flexible so that teachers can easily adjust furniture and equipment based on the needs of the students, and special education classrooms should be in close proximity to both the bus pick-up/drop-off and the nurses clinic. While spaces should be transparent so they are a part of the learning ecosystem of the school, special care should be given so that students can be screened from outside viewers. Special needs education students must be provided the least restrictive environment for the individual education programs; the special needs students need to be integrated with the rest of the student population to the greatest extent possible.

SPECIAL EDUCATION DIAGRAM



SPECIAL EDUCATION OFFICE DIAGRAM



High School

FINE ARTS PROGRAM OF SPACES

AUDITORIUM / DRAMA	Qty	SF	Total
Auditorium	1	9,025	9,025
Stage	1	4,100	4,100
Lobby	1	1,000	1,000
Restrooms	2	250	500
Unisex Restroom	2	75	150
Vestibule	2	170	340
Makeup	2	250	500
Concessions	1	50	50
Control Booth	1	250	250
Black Box	1	2,000	2,000
Ticket booth	1	175	175
Drama Classroom	1	1,000	1,000
Drama Office	1	180	180
Drama Costume Storage	1	450	450
Drama Storage	1	150	150
Set Shop	1	650	650
Scene Storage	1	300	300
Piano Storage	1	100	100
Subtotal Auditorium / Drama			**20,920**

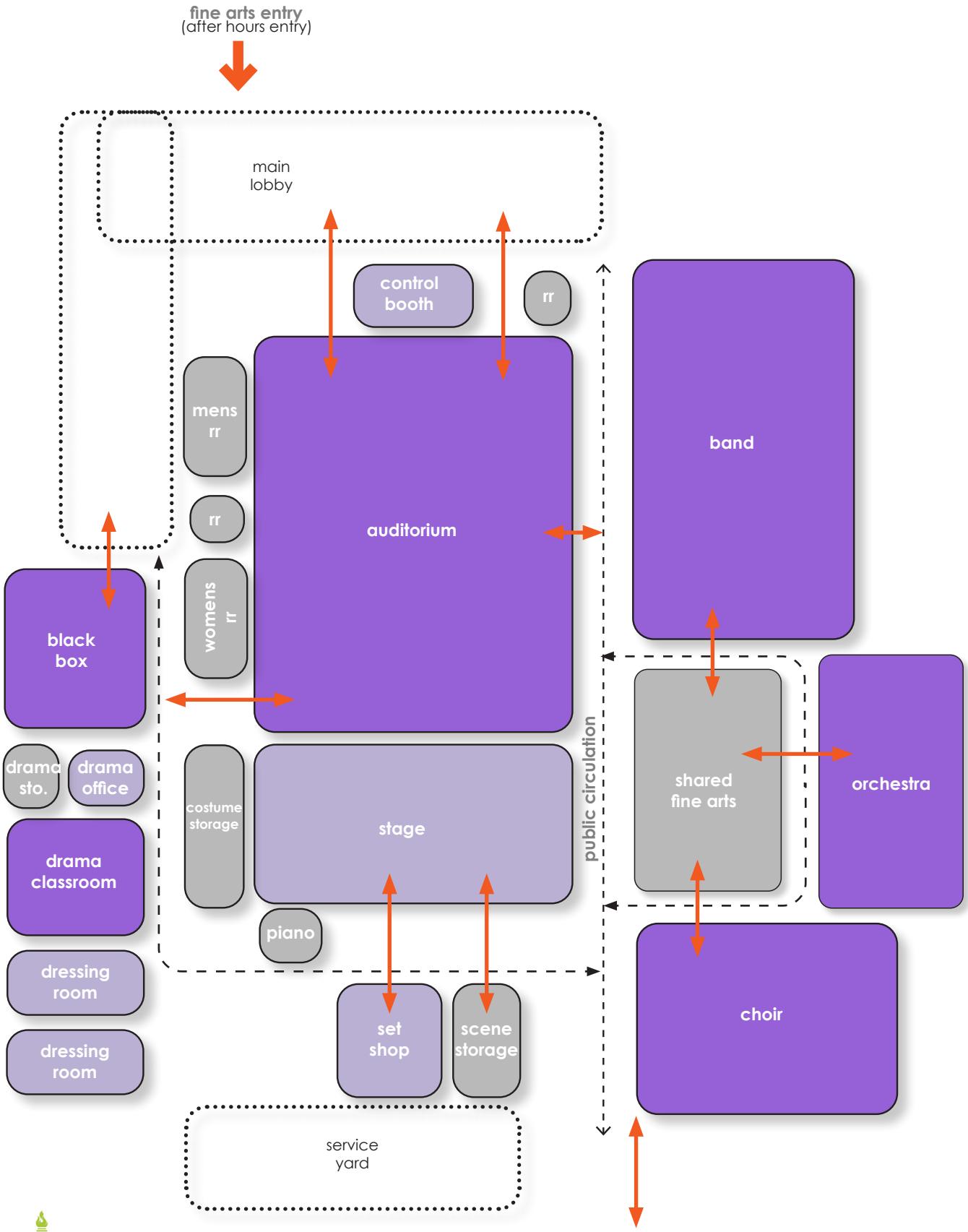
BAND	Qty	SF	Total
Band Hall	1	3,500	3,500
Band Instrument Storage	1	300	300
Band Uniform Storage	1	300	300
Band Library	1	250	250
Band Office	2	180	360
Band Ensemble Room	1	1,750	1,750
Percussion Room	1	1,000	1,000
Instrument Repair / Workroom	1	200	200
Subtotal Band			**7,660**

CHOIR	Qty	SF	Total
Choir Hall	1	2,125	2,125
Choir Office	2	200	400
Choir Library	1	250	250
Choir Uniform Storage	1	500	500
Choir Storage	1	200	200
Choir Ensemble	1	1,000	1,000
Subtotal Choir			**4,475**

ORCHESTRA	Qty	SF	Total
Orchestra Hall	1	2,100	2,100
Orchestra Office	1	200	200
Orchestra Library	1	150	150
Orchestra Instrument Storage	1	200	200
Orchestra Uniform Storage	1	400	400
Orchestra Ensemble	1	875	875
Shared Practice Room	9	80	720
Shared Music Room	1	700	700
Shared Student Restroom	2	250	500
Shared Faculty Restroom	2	75	150
Subtotal Orchestra			**5,995**

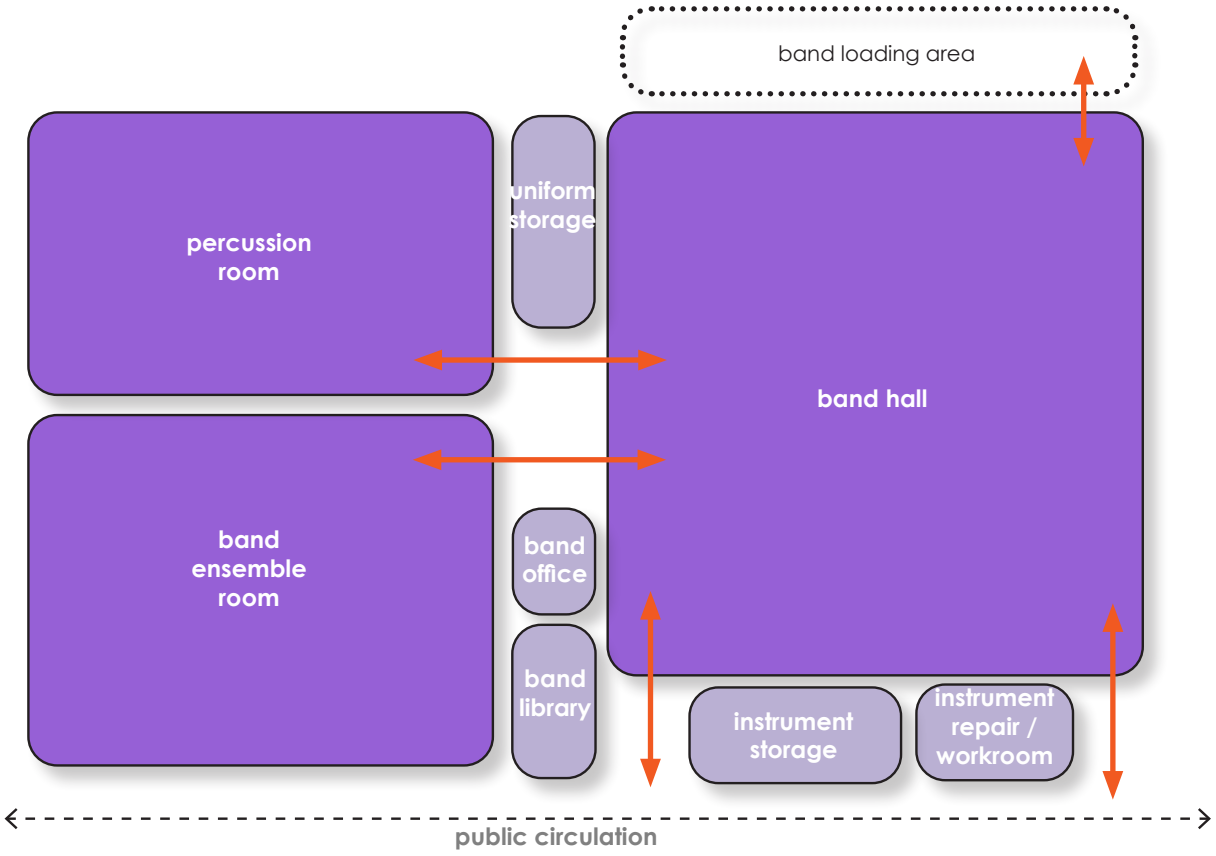
FINE ARTS SPATIAL RELATIONSHIPS & ADJACENCIES

AUDITORIUM AND DRAMA DIAGRAM

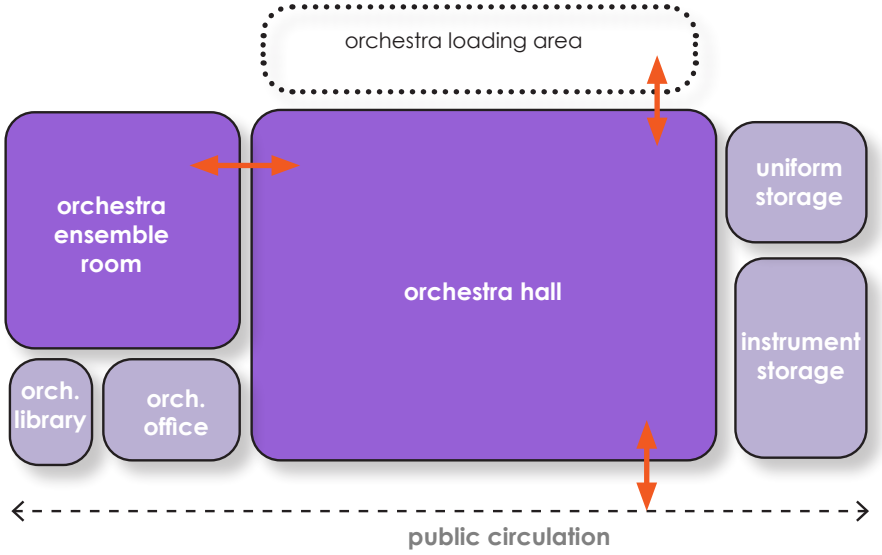


FINE ARTS SPATIAL RELATIONSHIPS & ADJACENCIES

BAND DIAGRAM

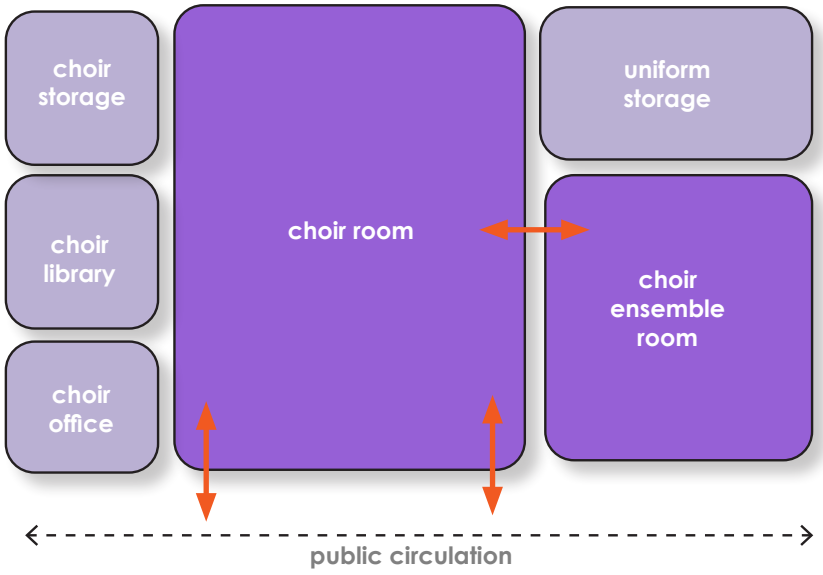


ORCHESTRA DIAGRAM

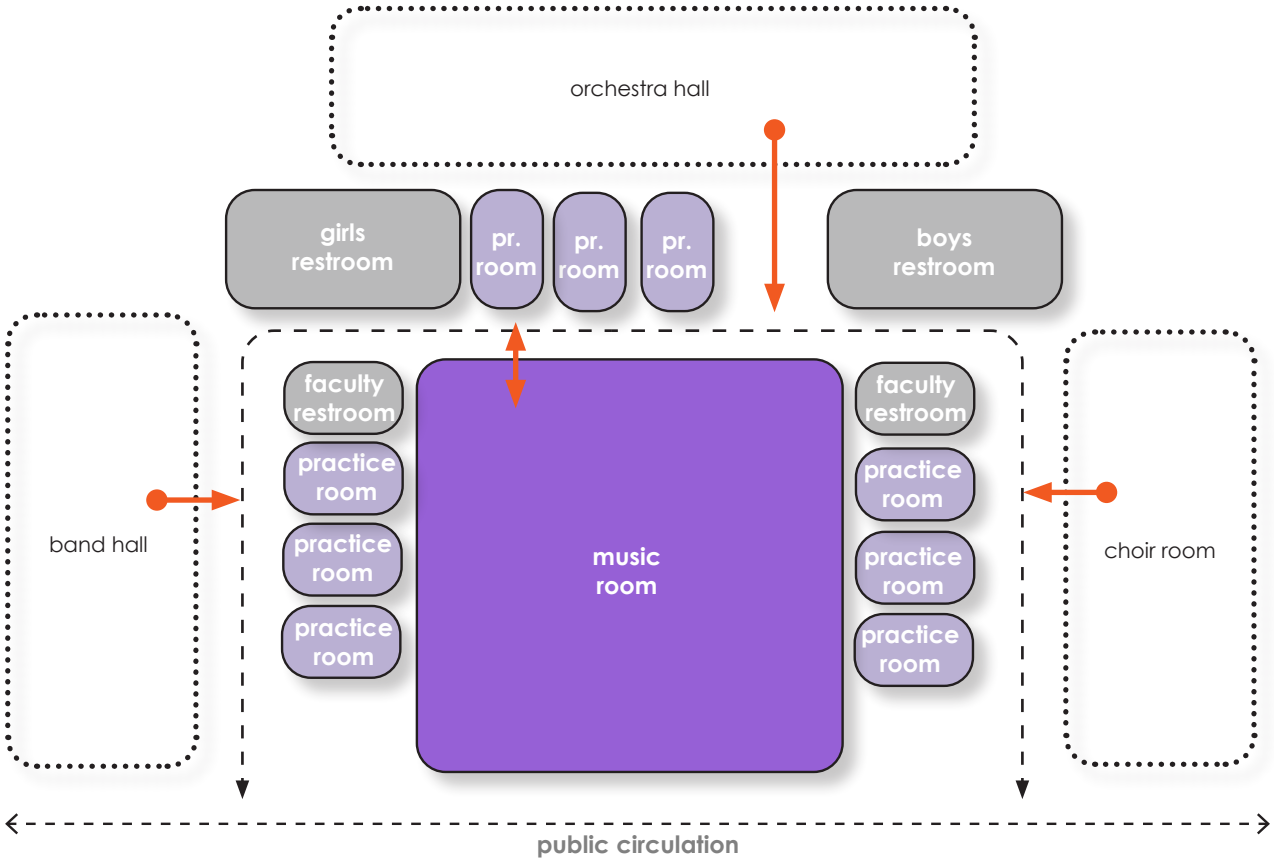


FINE ARTS SPATIAL RELATIONSHIPS & ADJACENCIES

CHOIR DIAGRAM



SHARED PROGRAM DIAGRAM



FINE ARTS PROGRAM OF SPACES

VISUAL ARTS	Qty	SF	Total
Art Lab	3	1,400	4,200
Art Storage	1	500	500
Kiln	1	250	250
Art Office	1	150	150
Subtotal Art			**5,100**

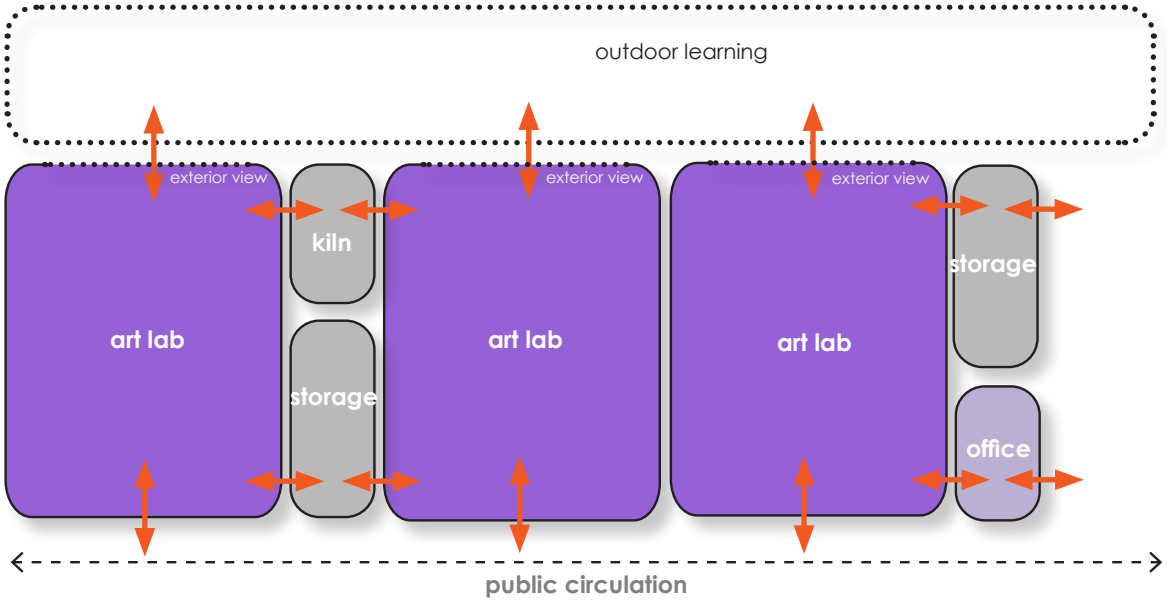
DANCE	Qty	SF	Total
Dance Studio	1	2,300	2,300
Dance Office	1	150	150
Dance Locker	1	640	640
Dance Restroom	1	200	200
Dance Dressing / Unisex Restroom	1	150	150
Dance Equipment Storage	1	300	300
Dance Uniform Storage	1	300	300
Subtotal Dance			**4,040**

ROTC (UNDER FINE ARTS)	Qty	SF	Total
ROTC Classroom	2	750	1,500
Office	1	160	160
Changing Room	2	200	400
Uniform Storage	1	150	150
Firing Range	1	1,600	1,600
Arm Storage	1	160	160
Subtotal ROTC			**3,970**

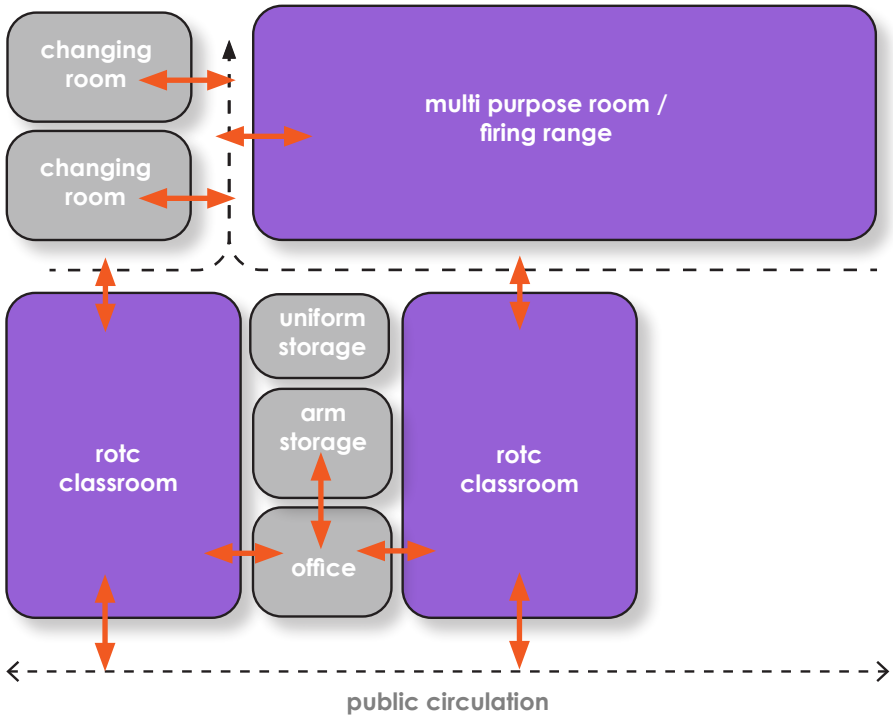
TOTAL FINE ARTS			**52,160**

FINE ARTS SPATIAL RELATIONSHIPS & ADJACENCIES

VISUAL ARTS DIAGRAM



ROTC DIAGRAM



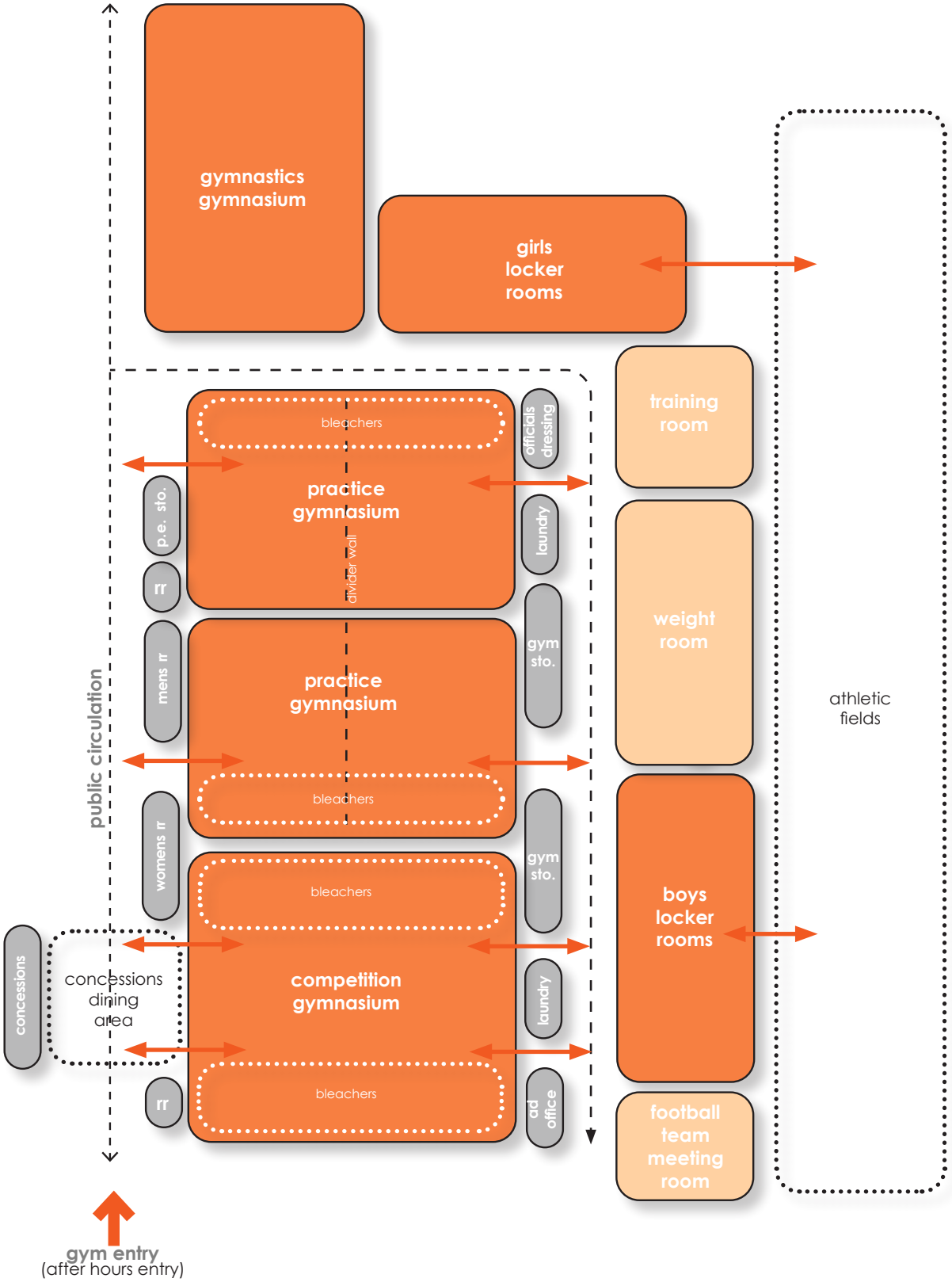
ATHLETICS / PHYSICAL EDUCATION PROGRAM OF SPACES

ATHLETICS / PHYSICAL EDUCATION	Qty	SF	Total
Competition Gymnasium	1	23,400	23,400
Practice Gymnasium	2	15,000	30,000
Competition Gym Storage	1	330	330
Gymnastics Gymnasium	1	8,730	8,730
Practice Gym Storage	1	300	300
School Athletic Director Office	1	120	120
School Athletic Director Assistant	1	120	120
Spectator Restrooms	2	250	500
Athletics Single User Restroom	2	80	160
Laundry	2	250	500
P.E. Storage	1	150	150
Concessions	1	250	250
Concession Dining Area with View of Court	1	250	250
Concessions Storage	1	100	100
Training Room	1	1,900	1,900
Weight Room	1	4,800	4,800
Team Meeting Room	1	1,900	1,900
Officials Dressing Room	1	130	130
Boys Coaches Office	1	300	300
Boys Coaches Dressing	1	200	200
Boys PE Lockers	1	3,000	3,000
Boys Team Locker	1	3,000	3,000
Boys Showers	1	200	200
Boys Team Storage	1	1,000	1,000
Boys Restroom	1	200	200
Girls Coaches Office	1	300	300
Girls Coaches Dressing	1	200	200
Girls P.E. Lockers	1	3,000	3,000
Girls Team Lockers	1	3,000	3,000
Girls Showers	1	200	200
Girls Team Storage	1	1,000	1,000
Girls Restroom	1	200	200
TOTAL ATHLETICS / PHYSICAL EDUCATION			**89,440**

NOTES

ATHLETICS / PHYSICAL EDUCATION SPATIAL RELATIONSHIPS & ADJACENCIES

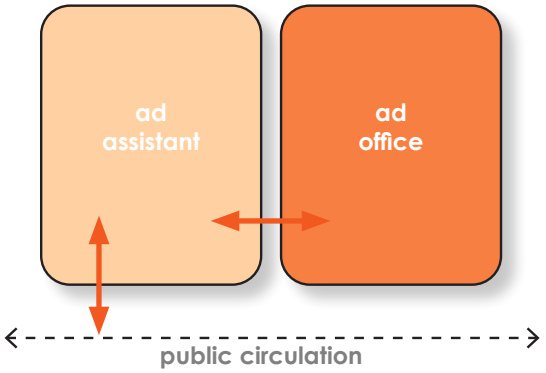
ATHLETICS / PHYSICAL EDUCATION DIAGRAM



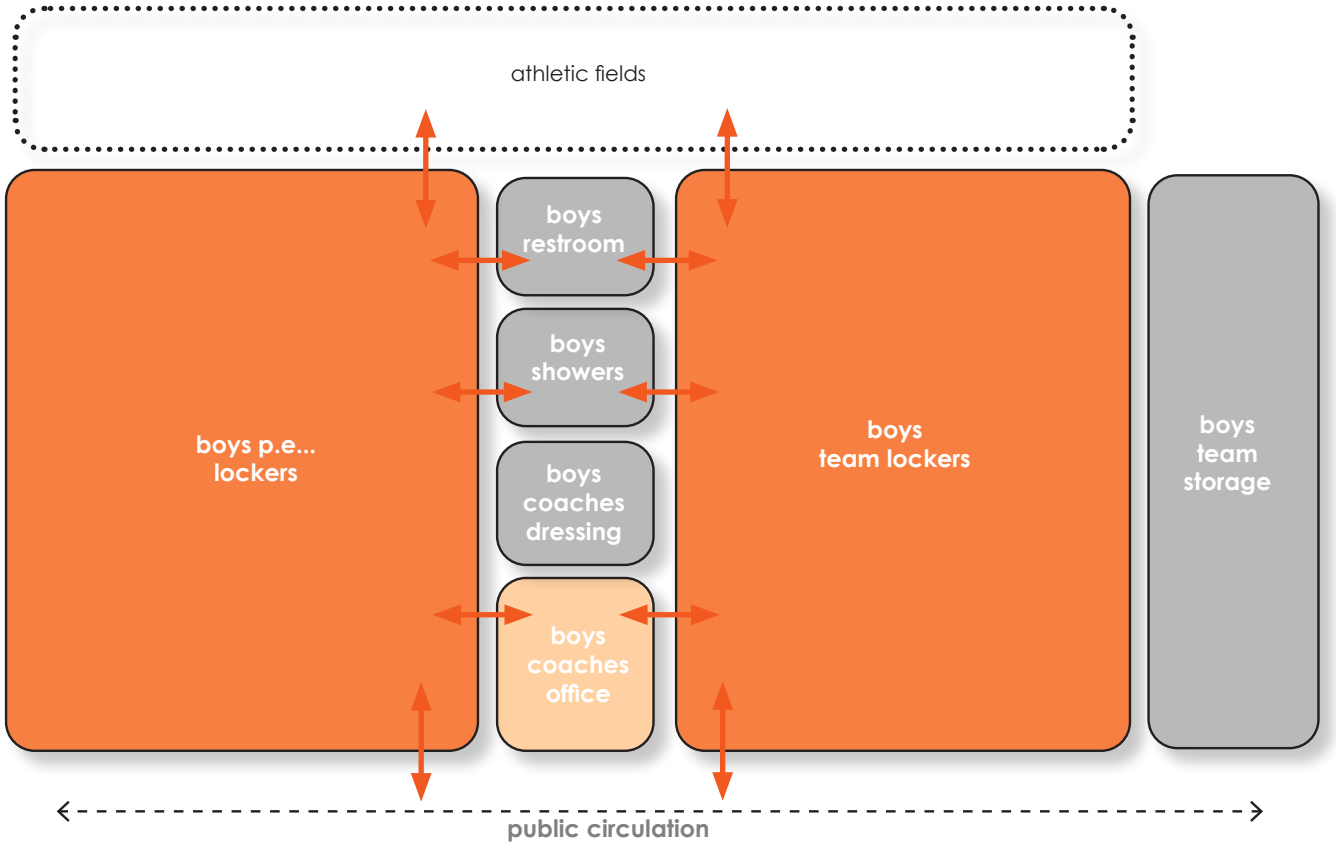
High School

ATHLETICS / PHYSICAL EDUCATION SPATIAL RELATIONSHIPS & ADJACENCIES

ATHLETIC DIRECTOR SUITE DIAGRAM

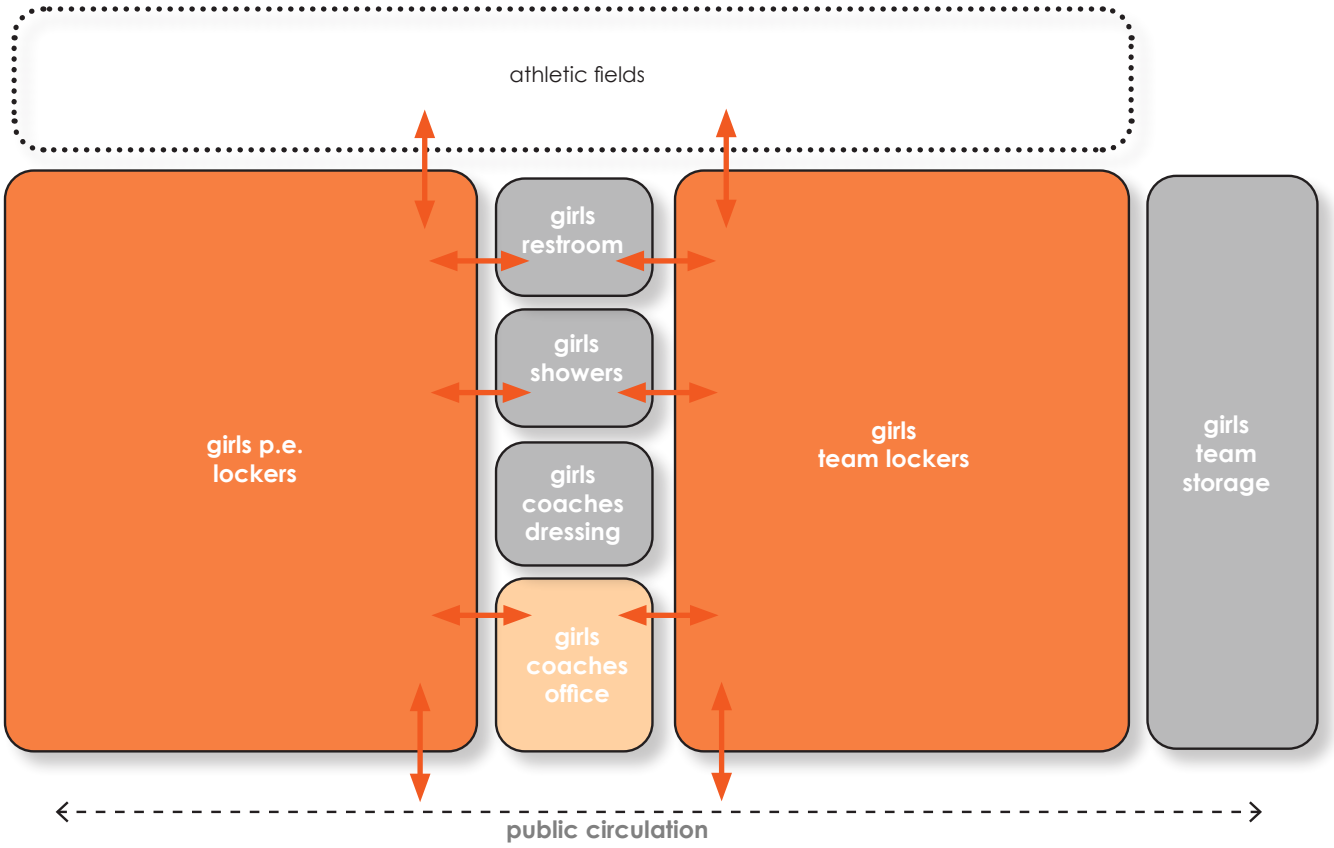


ATHLETICS / BOYS LOCKER ROOMS DIAGRAM



ATHLETICS / PHYSICAL EDUCATION SPATIAL RELATIONSHIPS & ADJACENCIES

ATHLETICS / GIRLS LOCKER ROOMS DIAGRAM



CAREER, TECHNOLOGY AND ENGINEERING PROGRAM OF SPACES

CTE AREA	Qty	SF	Total
Principles of Health Science Classroom	1	950	950
BIM Lab	1	1,100	1,100
Financial Math, BIM Lab	1	1,100	1,100
Principles of Agriculture Classroom	1	950	950
Prof Com Lab / Debate	1	950	950
BIM1, BIM2 Business Management Lab	1	1,100	1,100
BIM Money Matters Lab	1	1,100	1,100
BIM Dollars & Sense Lab	2	1,100	2,200
CP, CP2 BIM Lab	1	1,100	1,100
BIM Accounting 1&2 / Animation Lab	1	1,100	1,100
Animation 2 Practicum Lab	1	1,100	1,100
Graphic Design Practicum / Web D Lab	1	1,100	1,100
PMBF, Business Law, BIM, Touch Systems Lab	1	1,100	1,100
Intro to Engineering, Math Innovation, Engineering Science Lab	1	950	950
Professional Communications / Family & Consumer Science Classroom	1	950	950
BIM Financial Math Lab	1	1,100	1,100
Computer Science 1 & 2 Lab	1	1,100	1,100
BIM Lab	1	1,100	1,100
Professional Communications Lab	1	950	950
Family & Consumer Science Classroom	1	950	950
PLTW Biomedical	1	1,100	1,100
Intro to Engineering, Civil, Aero, Robotics Lab (PLTW)	1	1,100	1,100
Principles of Auto Tech	1	1,100	1,100
Principles of Auto Collision and Repair	1	1,100	1,100
Auto Tech / Collision Shared Classroom	1	800	800
Principles of Construction	1	1,100	1,100
Principles of Welding	1	1,100	1,100
Culinary Arts	1	1,100	1,100
E-Sports Arena	1	900	900
TOTAL CTE AREA			**31,450**

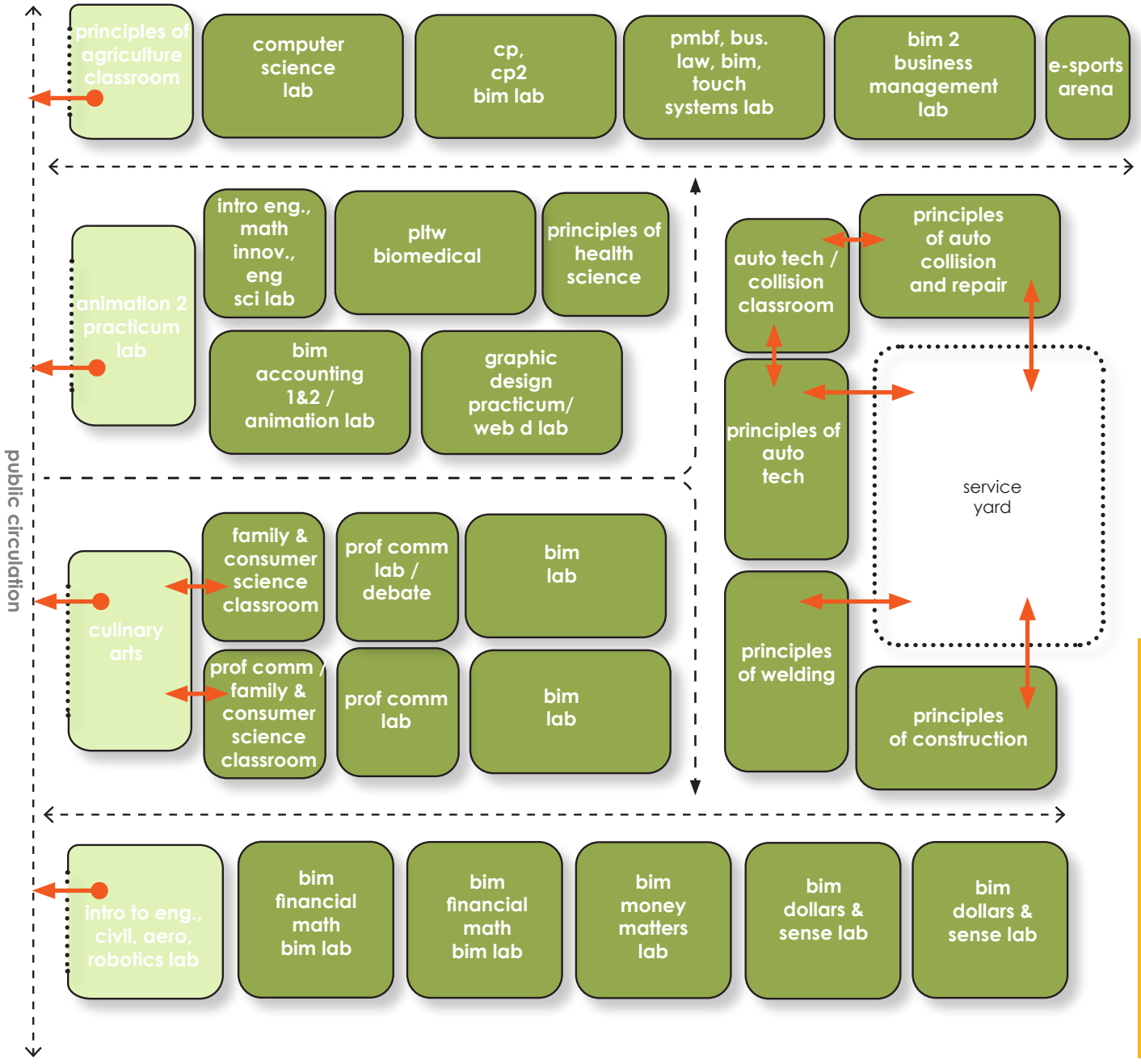
CAREER, TECHNOLOGY AND ENGINEERING SPATIAL RELATIONSHIPS & ADJACENCIES

PROGRAM DESCRIPTION

CTE programs at high schools need to be future focused and allow students the opportunity for exploration of careers and work related skills.

Career and Technology Education (CTE) programs within Ector County ISD provide a variety of courses in many career pathways.

CAREER, TECHNOLOGY AND ENGINEERING (CTE) DIAGRAM



High School

STUDENT DINING PROGRAM OF SPACES

CAFETERIA / STUDENT DINING	Qty	SF	Total
Dining	1	13,500	13,500
Chair and Table Storage	1	800	800
School Store	1	150	150
School Store Storage	1	150	150
Student Restroom	2	320	640
Subtotal Cafeteria / Student Dining			**15,240**

KITCHEN	Qty	SF	Total
Serving	1	4,052	4,052
À La Carte / Coffee	2	350	700
Pot Wash	1	834	834
Managers Office	1	100	100
Food Prep	1	750	750
Cooking	1	4,052	4,052
Utility Room / Custodial	1	75	75
Locker Room (Staff)	1	75	75
Kitchen Staff Restroom	1	60	60
Receiving Area	1	110	110
Dry Storage	1	665	665
Walk-in Freezer and Walk-in Cooler	1	825	825
Disposable Ware and Paper Goods Storage	1	100	100
Future Ware Wash	1	150	150
Future Tray Return	1	60	60
Future Tray and Ware Storage	1	60	60
Subtotal Kitchen			**12,668**

ANCILLARY / CUSTODIAL	Qty	SF	Total
Custodial Closet	7	60	420
Building Receiving	1	500	500
Custodial Storage	1	300	300
Outdoor Can Wash	1	40	40
Maintenance (2 Staff)	1	150	150
Grounds Equipment / Grounds Office Building	1	1,800	1,800
Subtotal Ancillary / Custodial			**3,210**

TOTAL CAFETERIA / STUDENT DINING / KITCHEN / ANCILLARY / CUSTODIAL			**31,118**

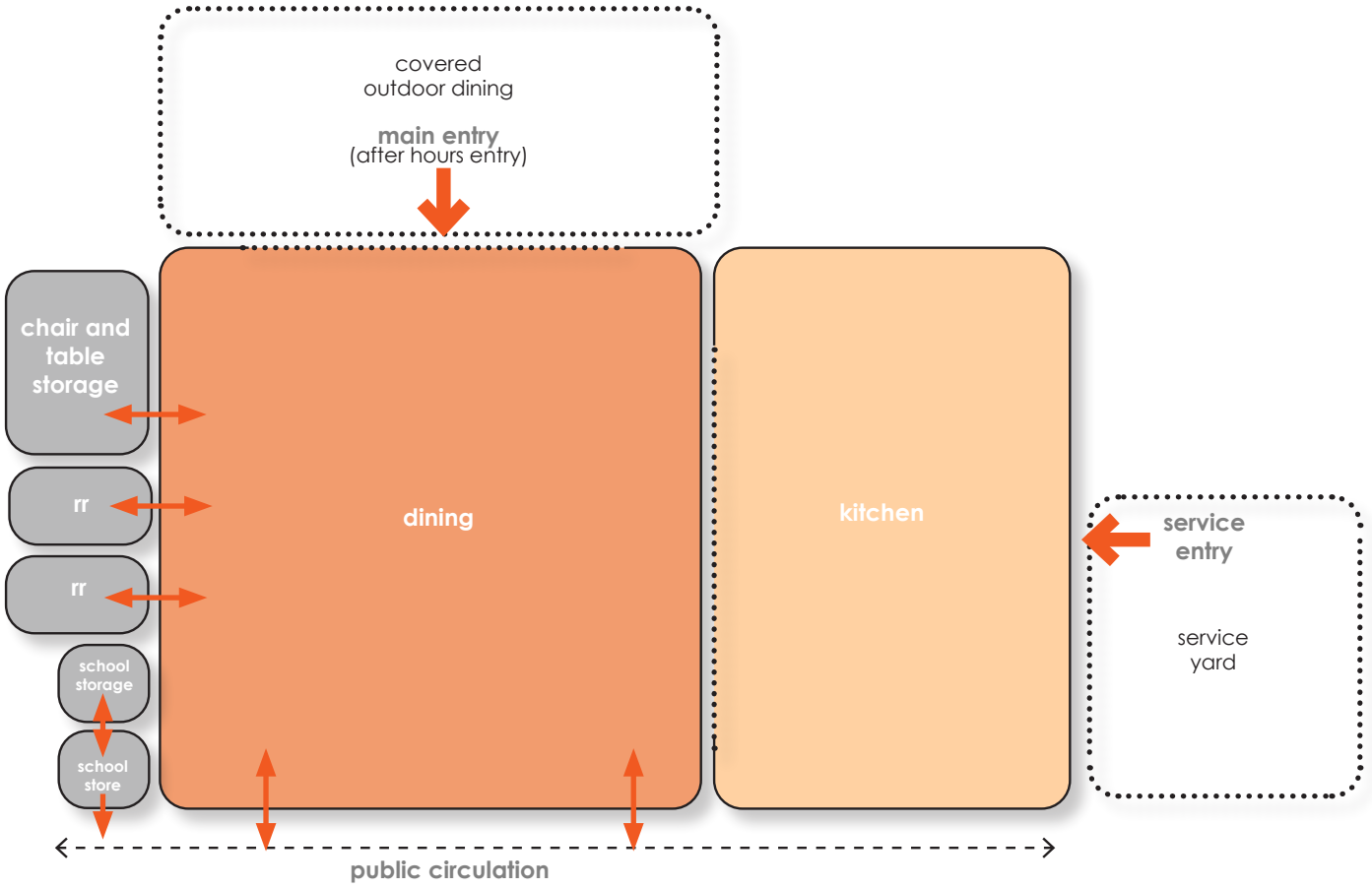
STUDENT DINING SPATIAL RELATIONSHIPS & ADJACENCIES

PROGRAM DESCRIPTION

The dining area is a gathering spot for students in the morning as they are dropped off for school and a gathering spot for the community as they watch programs and events. As such, the dining area should be flexible in its arrangement.

Kitchen space includes serving lines, cooking/prep areas, as well as storage and main custodial spaces. Restrooms shall be provided near/adjacent to the dining space. Serving and kitchen spaces should be designed in conjunction with a Food Services Consultant. Stage and chair/table storage are also located within the cafeteria/commons area.

STUDENT DINING DIAGRAM



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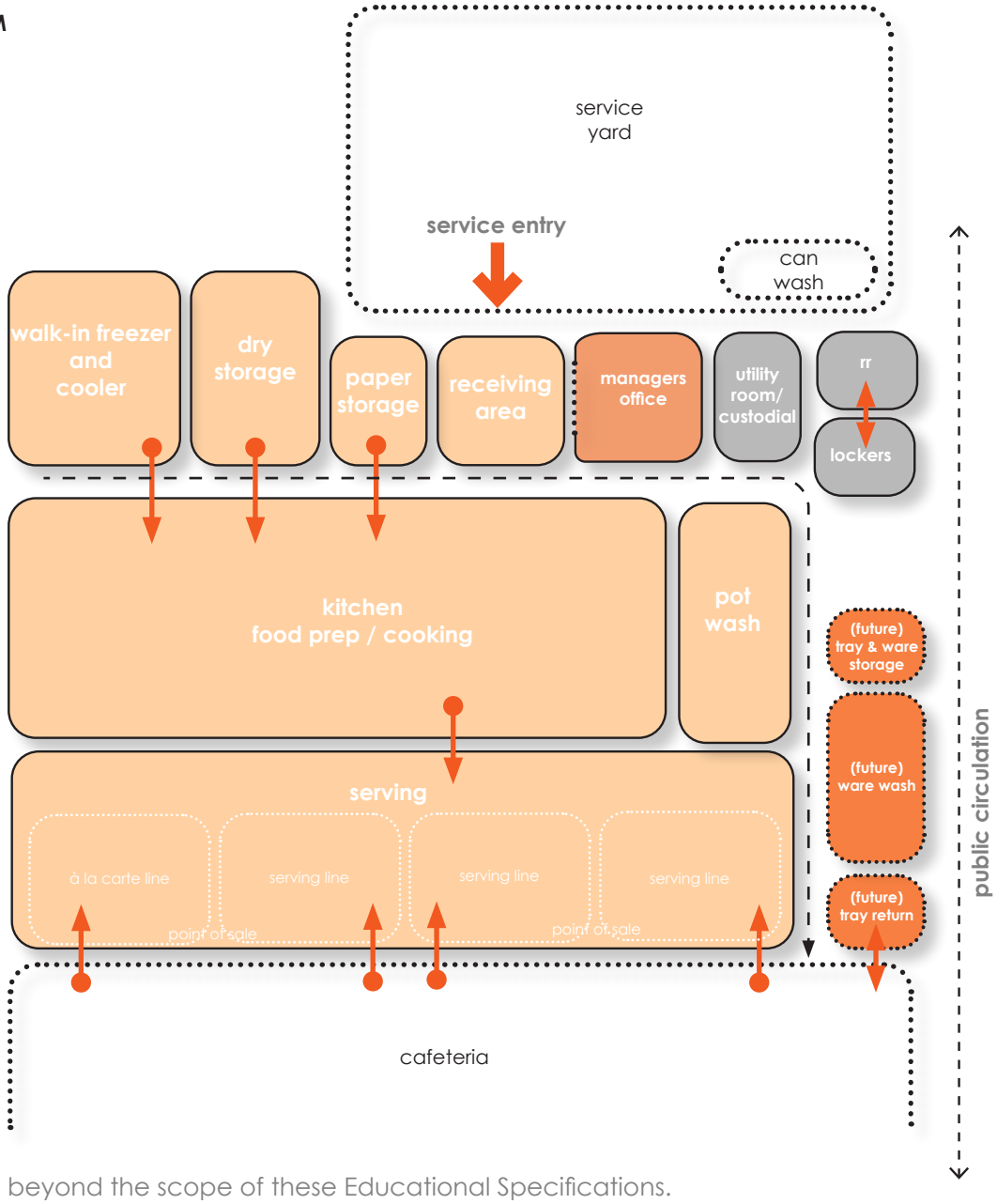
STUDENT DINING SPATIAL RELATIONSHIPS & ADJACENCIES

KITCHEN DIAGRAM



NOTES

Kitchen design is beyond the scope of these Educational Specifications.
Notes for the kitchen designer:

1. All disposable serving ware.
2. OFOI digital menu boards (content provided by Nutrislice service).
3. Elevated loading dock not required.
4. Loading doors and storage doors shall be 3'-6" or 4'-0" wide.
5. Kitchen laundry is handled by a service, no washer/dryer required.
6. Include TAS dressing bench in locker vestibule.
7. Manager's office should have two workstations, one for manager and one for computer based training. Built-in furniture is okay.
8. Locate time-clock near loading door, not inside manager's office.
9. Serving line lighting 5000K color temperature.
10. Can wash is used by building custodial, not kitchen staff.
11. Kitchen and serving line flooring is polished concrete. OFOI mats at high slip risk areas.
12. Roof-mounted refrigeration racks for walk-in and reach-in coolers and freezers.

TECHNOLOGY / POLICE PROGRAM OF SPACES

TECHNOLOGY	Qty	SF	Total
MDF Room	1	255	255
IDF Room	8	60	480
Tech Office (Repair Desk, Storage, Project)	1	300	300
Device Storage ("Spare" 3%)	1	120	120
Network Failover Site	1	255	255
Subtotal Technology			**1,410**

POLICE	Qty	SF	Total
Police Vestibule / Waiting	1	80	80
Police Processing	1	100	100
Police Office	3	120	360
Police Office w/ Adjacent Kennel	2	120	240
Kennel	2	100	200
Subtotal Police			**980**

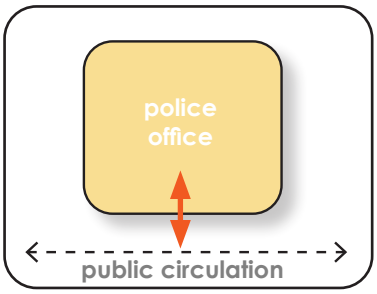
TOTAL TECHNOLOGY / POLICE			**2,390**

NOTES

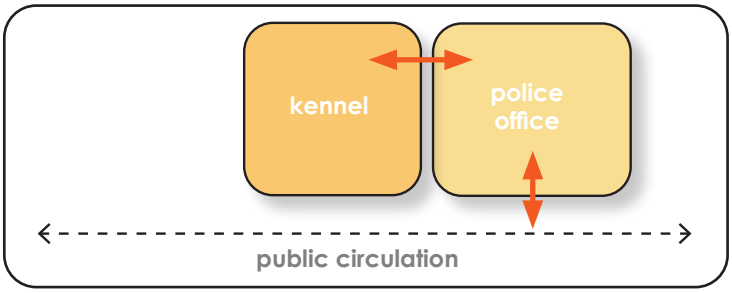
Quantity of IDF rooms may vary depending on the layout of the school.

TECHNOLOGY / POLICE SPATIAL RELATIONSHIPS & ADJACENCIES

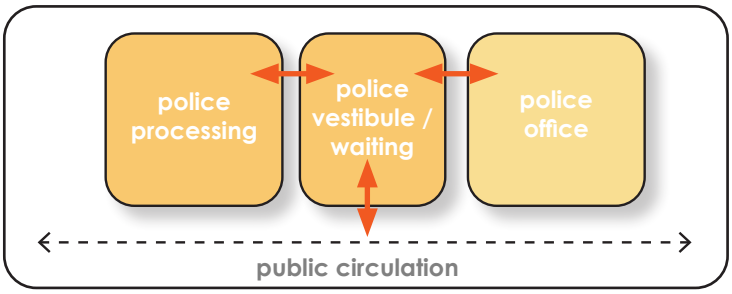
POLICE DIAGRAM



TYPE 1 PD SUITE (X3)

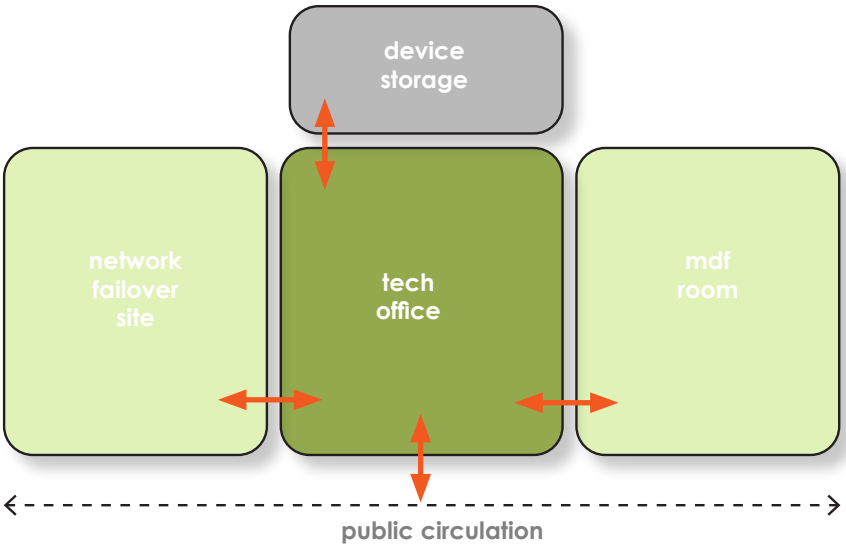


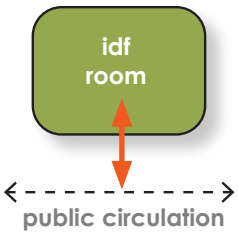
TYPE 2 PD SUITE (X1)



TYPE 3 PD SUITE (X1)

TECHNOLOGY DIAGRAM





End of Educational Specifications

Appendix

CFCI/OFCI/OFOI Matrix..... 102

Finish Material Matrix..... 106

Elementary School Plans..... E1

Middle School Plans..... M1

High School Plans..... H1

CFCI/OFCI/OFOI Matrix

ITEM	PROVIDED BY OWNER	PROVIDED BY CONTRACTOR	REMARKS
FURNISHINGS			
Conference Room Furniture	OFOI		
Classroom Desks / Chairs / Moveable Shelving	OFOI		
Office Furniture / Desks / Moveable Shelving	OFOI		
Furniture in Common Areas	OFOI		
Cafeteria Chairs and Tables	OFOI		
Storage Room Shelving		CFCI	
Library Furniture	OFOI		
Library Shelves		CFCI	
Library Kiosk & Reception Desk		CFCI	
Main Entry Reception Desk		CFCI	Built-in
Tables in Training Room	OFOI		
Portable Risers in Choir & Orchestra		CFCI	
Instrument Storage Cabinets in Band & Orchestra		CFCI	
Chairs in Choir Room	OFOI		
Band & Orchestra Instruments	OFOI		
Band & Orchestra Uniforms	OFOI		
Science Room Casework		CFCI	
Artwork & Graphics		CFCI	Base scope and allowance
SIGNAGE			
Room Signage		CFCI	
Marquee Sign		CFCI	
Interior Wayfinding Signage		CFCI	
Exterior Wayfinding Signage		CFCI	
Site Wayfinding Signage		CFCI	
Building Letters & Building Mounted Signage		CFCI	
SAFETY EQUIPMENT			
Eyewash/Shower Combination		CFCI	
Eyewash Units		CFCI	
Fire Blankets		CFCI	
Goggle Storage Cabinets		CFCI	
Goggle Sterilization Cabinets		CFCI	
1st Aid Kits and STB Kits	OFOI		
Chemical Storage Cabinet(s)		CFCI	
Flammable Storage Cabinet(s)		CFCI	
AEDs	OFOI		
Fire Extinguishers & Fire Extinguishers Cabinets		CFCI	
MISCELLANEOUS			
Radio Repeating System for First Responders		CFCI	Pathways in base scope, system by allowance
Classroom Books	OFOI		
Library Books	OFOI		
Pots / Pans / Utensils in Kitchen	OFOI		
Permanent Cores & Keying	OFOI		

CFCI/OFCI/OFOI Matrix

ITEM	PROVIDED BY OWNER	PROVIDED BY CONTRACTOR	REMARKS
ATHLETIC EQUIPMENT			
Score Boards		CFCI	
Baseball		CFCI	
Softball		CFCI	
Football		CFCI	
Gym #1		CFCI	
Gym #2		CFCI	
Weight Room Flooring		CFCI	
Wrestling Mats	OFOI		
Weight Room Equipment	OFOI		
Stationary and/or Moveable Equipment Storage	OFOI		
Athletic Equipment & Uniforms	OFOI		
Athletic Field Lighting		CFCI	
Whirlpool(s)		CFCI	
Hydroculator	OFOI		
Commercial Washers & Dryers		CFCI	
EQUIPMENT			
Residential Washers & Dryers (list each location)		CFCI	
Residential Refrigerators (list each location)		CFCI	
Stove & Ovens (list each location)		CFCI	
Dishwashers (list each location)		CFCI	
Microwaves (list each location)	OFOI		
Coffee Makers (list each location)	OFOI		
Kilns		CFCI	
Ice Machines (list each location)		CFCI	
Kitchen		CFCI	
Training Room		CFCI	
Fine Arts Area		CFCI	
Concessions Building		CFCI	
Nurses Office		CFCI	
Reach-in Cooler(s) (list each location)			
Concession Buildings	OFOI		
Concession Area (near gym)	NA	NA	
Vending Machines (list each location)	OFOI		
Book Detection Equipment	NA	NA	
Playground Equipment	OFOI		
SHOP EQUIPMENT			
Paint Booth	NA	NA	
Dust Collection Ductwork		CFCI	
Dust collector		CFCI	
Compressed Air System		CFCI	
Welding Station Partitions		CFCI	
Torch Cutting Stations	NA	NA	
Shop Equipment, Saws, Drills, etc.	OFOI		
Auto Lifts	NA	NA	
Electric Hoist with Festoon System		CFCI	
Welding Equipment, Portable Welding Screens, other Specialty Equipment	OFOI		

CFCI/OFCI/OFOI Matrix

ITEM	PROVIDED BY OWNER	PROVIDED BY CONTRACTOR	REMARKS
A/V EQUIPMENT			
Flat Panel Displays (not interactive)	OFOI		
Interactive Display Screen & Mount		CFCI	
Projectors		CFCI	
TV & Projector Mounts w/ Power and Data		CFCI	
TECHNOLOGY EQUIPMENT			
Intercom System		CFCI	
Access Control System		CFCI	
Access Control Cards, Badges, Fobs	OFOI		
Security / Intrusion Detection System		CFCI	
CCTV Cameras & Head End Equipment	OFOI		
CCTV Rough-in & Cabling		CFCI	
CATV Head End & Distribution Equipment	NA	NA	
Computers - Desktop & Laptop	OFOI		
Phone Instruments (list locations)	OFOI		
Patch cord for each device (Phones, Computers)		CFCI	
Copiers	OFOI		
Fax Machines	OFOI		
Network Cabling		CFCI	
Network Servers	OFOI		
Network UPS system(s)	OFOI		
Network Racks & Grounding		CFCI	
Phone Switch (VoIP, other)	OFOI		
Wireless Network - Cabling		CFCI	
Wireless Network Devices - WAPs	OFOI		
Sound & Video Recording/Production Equipment	OFOI		
LOCAL SOUND SYSTEMS			
Competition Gymnasium		CFCI	
Practice Gymnasium		CFCI	
Dance Gymnasium		CFCI	
Gymnastics Gymnasium		CFCI	
Band		CFCI	
Choir		CFCI	
Orchestra		CFCI	
Black Box		CFCI	
Cafeteria		CFCI	
Football Field		CFCI	
Baseball Field		CFCI	
Softball Field		CFCI	
Lecture Halls	NA	NA	
Conference Rooms	NA	NA	

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FINISH MATERIAL MATRIX

ADMINISTRATION	WALLS	FLOOR	CEILING	
Entry Vestibule	Impact Resistant	Resilient Flooring	2x2 Acoustic Tile	
Reception	Impact Resistant	Resilient Flooring	2x2 Acoustic Tile	
Office	Painted Gypsum Board	Carpet	2x2 Acoustic Tile	
Conference Room	Painted Gypsum Board	Carpet	2x2 Acoustic Tile	
Work Room	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
Vault	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
Storage	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
Restrooms	Tile	Tile	Painted Gypsum Board	
Corridors	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
Clinic	Painted Gypsum Board	Tile	2x2 Acoustic Tile	
Wellness	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	

LIBRARY / MEDIA CENTER	WALLS	FLOOR	CEILING	
Library / Media Center	Painted Gypsum Board	Carpet	2x2 Acoustic Tile	
Digital Learning Lab	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
Broadcast / Green Screen	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
Maker Space	Impact Resistant	Resilient Flooring	2x2 Acoustic Tile	

GENERAL ACADEMICS	WALLS	FLOOR	CEILING	
Classrooms	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
Science Labs	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
Science Prep Rooms	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
Science Chemical / Flammable Sto.	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
Computer Lab	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
Multi Purpose (LGI)	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
PLC	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
ISS Classroom	Impact Resistant	Resilient Flooring	2x2 Acoustic Tile	
Grade Level Commons	Impact Resistant	Resilient Flooring	2x2 Acoustic Tile	
Corridors	Impact Resistant	Resilient Flooring	2x2 Acoustic Tile	

SPECIAL EDUCATION	WALLS	FLOOR	CEILING	
Specialized Classrooms	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
Behavior / Restart Room	Impact Resistant	Resilient Flooring	2x2 Acoustic Tile	
Utility Room	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
Kitchenette	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
OT-PT Motor Lab	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
Therapy Testing	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
Evaluation Room	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	
Resource Room	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile	

FINE ARTS	WALLS	FLOOR	CEILING	
Auditorium	Impact Resistant	Carpet / Concrete	Varies	
Stage	Painted CMU	Sprung Stained Wood	Gridiron	
Lobby	Impact Resistant	Resilient Flooring	Varies	
Concessions	Impact Resistant	Resilient Flooring	2x2 Acoustic Tile	
Control Booth	Impact Resistant	Carpet	Open to PAC House	
Black Box	Painted CMU	Sprung HDF	2x2 Acoustic Tile	
Stage Shop	Painted CMU	Concrete	2x2 Acoustic Tile	
Art Lab	Painted CMU	Concrete	2x2 Acoustic Tile	
Kiln	Painted CMU	Concrete	2x2 Acoustic Tile	
Band Hall	Painted CMU	Resilient Flooring	2x2 Acoustic Tile	Coordinate acoustic wall panels and ceiling diffusers with acoustic consultant
Instrument Storage	Painted CMU	Resilient Flooring	2x2 Acoustic Tile	
Uniform Storage	Painted CMU	Resilient Flooring	2x2 Acoustic Tile	
Music Library	Painted CMU	Resilient Flooring	2x2 Acoustic Tile	
Ensemble	Painted CMU	Resilient Flooring	2x2 Acoustic Tile	Coordinate acoustic wall panels and ceiling diffusers with acoustic consultant
Percussion	Painted CMU	Resilient Flooring	2x2 Acoustic Tile	Coordinate acoustic wall panels and ceiling diffusers with acoustic consultant
Band Workroom (Instrument Repair)	Painted CMU	Resilient Flooring	2x2 Acoustic Tile	
Choir Hall	Painted CMU	Carpet	2x2 Acoustic Tile	Coordinate acoustic wall panels and ceiling diffusers with acoustic consultant
Choir Ensemble	Painted CMU	Carpet	2x2 Acoustic Tile	Coordinate acoustic wall panels and ceiling diffusers with acoustic consultant
Practice Rooms	Painted CMU	Carpet	2x2 Acoustic Tile	Coordinate acoustic wall panels and ceiling diffusers with acoustic consultant
Dance	Painted CMU	Sprung Wood	Exposed Painted Structure	
ROTC Firing Range	Painted CMU	Concrete	2x2 Acoustic Tile	

FINISH MATERIAL MATRIX

ATHLETICS / PHYSICAL EDUCATION	WALLS	FLOOR	CEILING
Elementary Gymnasium	Painted CMU	Gerflor REC 45	Exposed Painted Structure
Secondary Gymnasium	Painted CMU	Wood Athletic Floor	Exposed Painted Structure
Gymnastics Gymnasium	Painted CMU		Exposed Painted Structure
Laundry	Painted CMU	Concrete	Painted Gypsum Board
Concessions Dining	Painted CMU	Resilient Flooring	2x2 Acoustic Tile
Training Room	Painted CMU	Concrete	2x2 Acoustic Tile
Weight Room	Painted CMU	Rubber Floor	Exposed Painted Structure
Coaches Office	Painted CMU	Resilient Flooring	2x2 Acoustic Tile
Showers	Tile	Tile	Painted Gypsum Board
P.E. and Athletic Locker Rooms	Painted CMU	Concrete	Painted Gypsum Board

CTE AREA	WALLS	FLOOR	CEILING
CTE Classroom	Painted CMU	Resilient Flooring	2x2 Acoustic Tile
CTE Flex Lab	Painted CMU	Resilient Flooring	2x2 Acoustic Tile
CTE Industrial Lab	Painted CMU	Concrete	Exposed Painted Structure
Culinary Arts Kitchen	Tile	Concrete	2x2 Washable Tile
Culinary Arts Dining	Painted Gypsum Board	Carpet	2x2 Acoustic Tile

CAFETERIA / STUDENT DINING	WALLS	FLOOR	CEILING
Dining	Painted CMU	Resilient Flooring	2x2 Acoustic Tile
School Store	Painted CMU	Resilient Flooring	2x2 Acoustic Tile
Kitchen	Tile	Concrete	2x2 Washable Tile
Serving	Tile	Tile	2x2 Washable Tile
À La Carte / Coffee	Tile	Tile	2x2 Washable Tile
Utility	Painted CMU	Concrete	2x2 Washable Tile
Locker	Painted CMU	Concrete	2x2 Washable Tile
Receiving	Painted CMU	Concrete	2x2 Washable Tile
Dry Storage	Tile	Concrete	2x2 Washable Tile
Walk-in Freezer / Walk-in Cooler	Factory Metal	Tile	Factory Metal

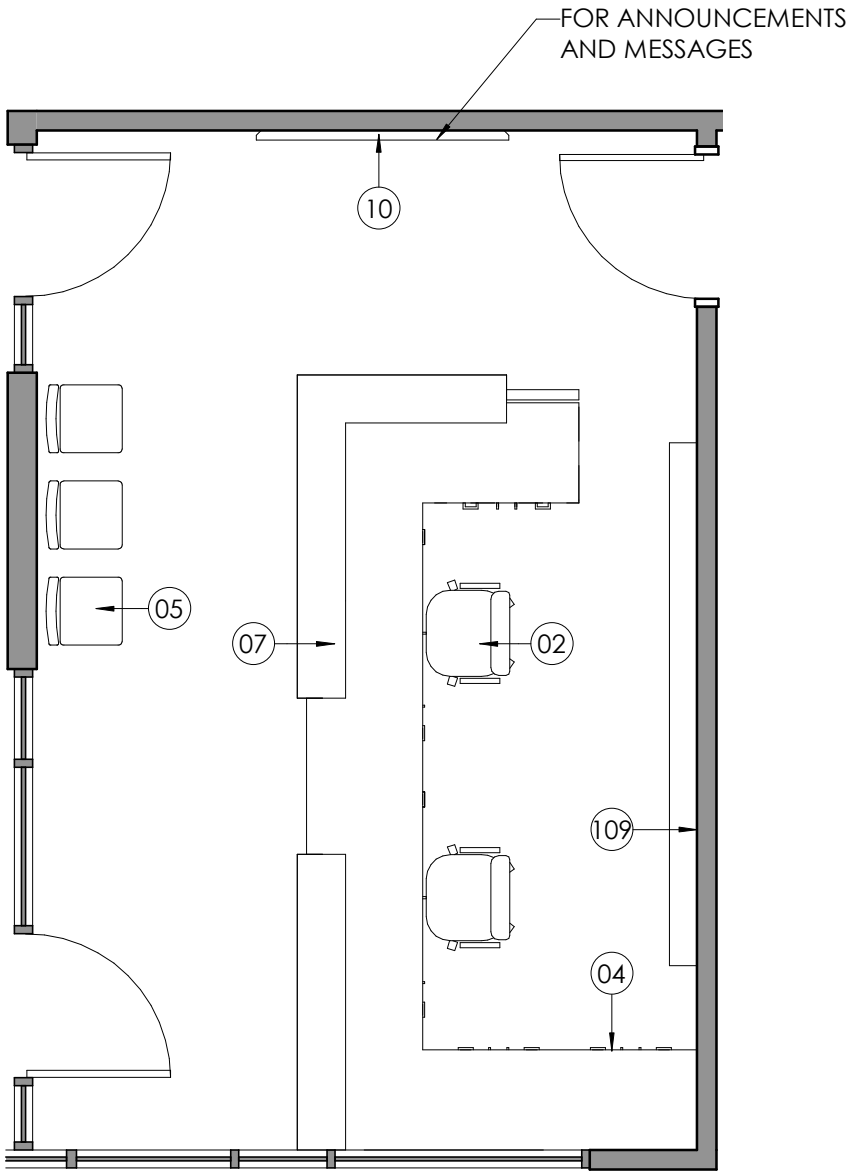
ANCILLARY / CUSTODIAL	WALLS	FLOOR	CEILING
Custodial	Painted Gypsum Board	Concrete	2x2 Washable Tile
Custodial Storage	Painted Gypsum Board	Concrete	2x2 Acoustic Tile
Maintenance Office	Painted Gypsum Board	Concrete	2x2 Acoustic Tile
MDF/IDF Room	Painted Gypsum Board	Concrete	Exposed Painted Structure
Tech Office	Painted Gypsum Board	Resilient Flooring	2x2 Acoustic Tile
Network Failover Site	Painted Gypsum Board	Concrete	Exposed Painted Structure
Police Office	Painted Gypsum Board	Resilient Flooring	Exposed Painted Structure
Police Vestibule	Painted Gypsum Board	Resilient Flooring	Exposed Painted Structure
Police Processing	Impact Resistant	Resilient Flooring	Painted Gypsum Board
Kennel	Impact Resistant	Concrete	2x2 Washable Tile
Electrical	Painted Gypsum Board	Concrete	Exposed Painted Structure
Mechanical	Painted Gypsum Board	Concrete	Exposed Painted Structure
Fire Sprinkler Riser Room	Painted Gypsum Board	Concrete	Exposed Painted Structure
Domestic Water Riser Room	Painted Gypsum Board	Concrete	Exposed Painted Structure

Notes

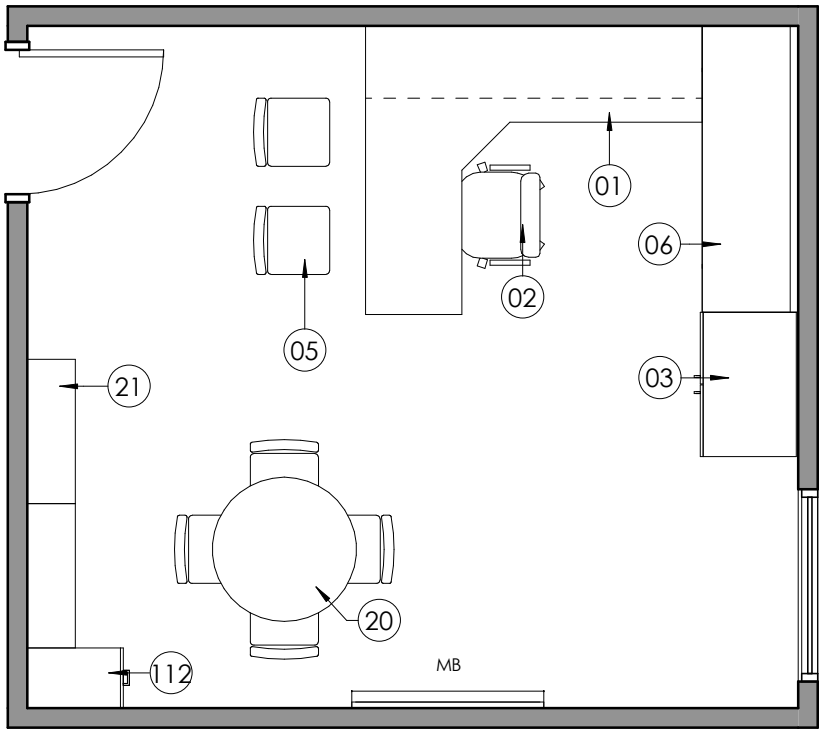
Materials shown are a minimum standard and are not intended to limit the design options.

Impact Resistant can be painted CMU or Gypsum Board with applied tile or panel system

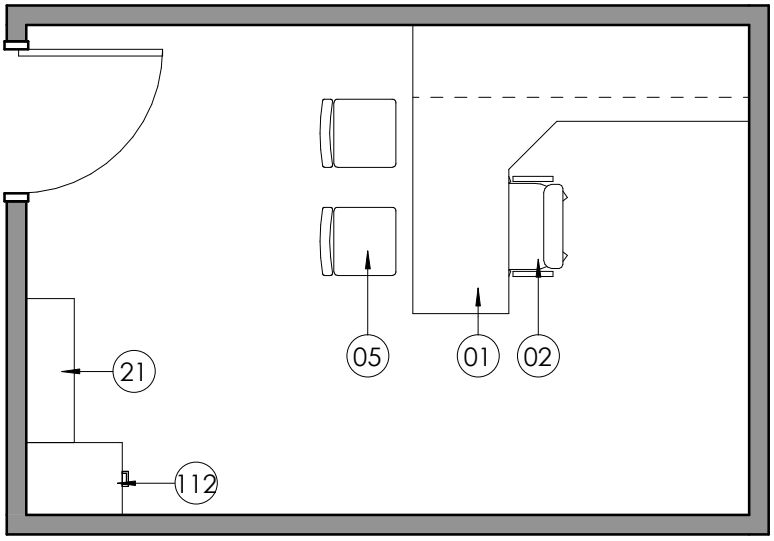
Avoid using VCT flooring



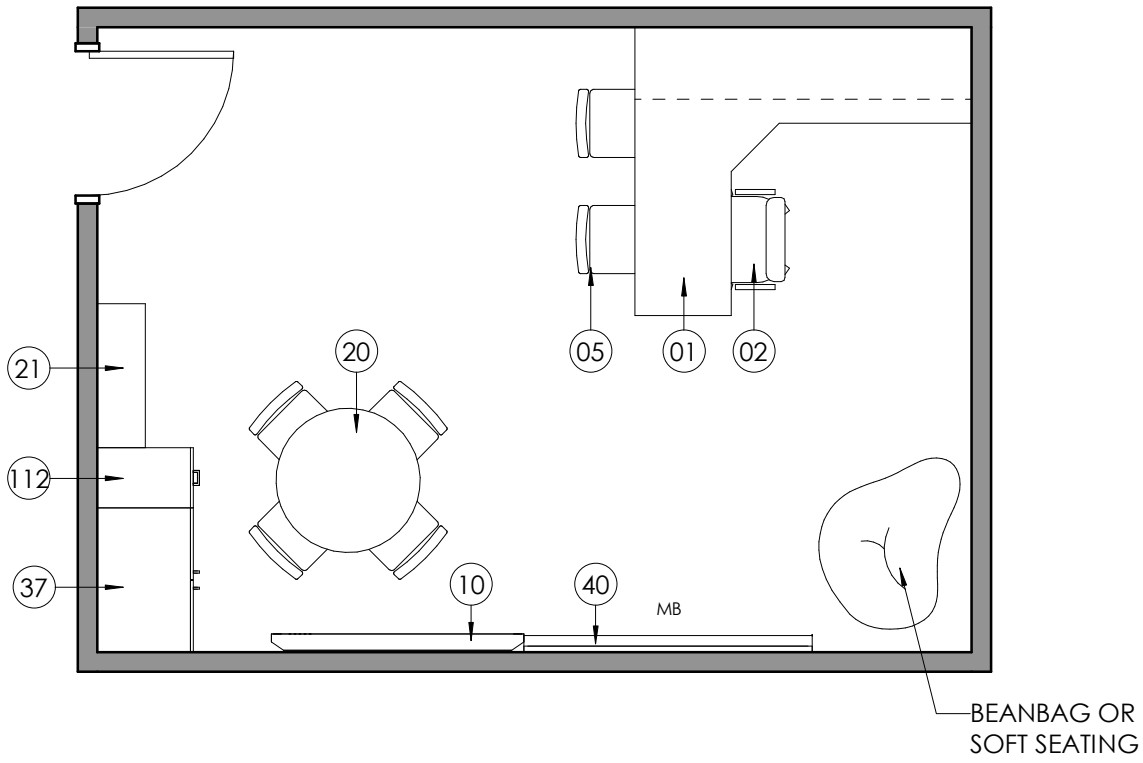
KEYNOTE	
ITEM #	**ITEM**
02	DESK CHAIR
04	CABINET
05	GUEST CHAIR
07	RECEPTION DESK
10	FLAT PANEL DISPLAY
109	SCHOOL SIGN / GRAPHICS



KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
03	WARDROBE
05	GUEST CHAIR
06	CREDENZA
20	TABLE AND CHAIRS
21	BOOKCASE
112	FILE CABINET

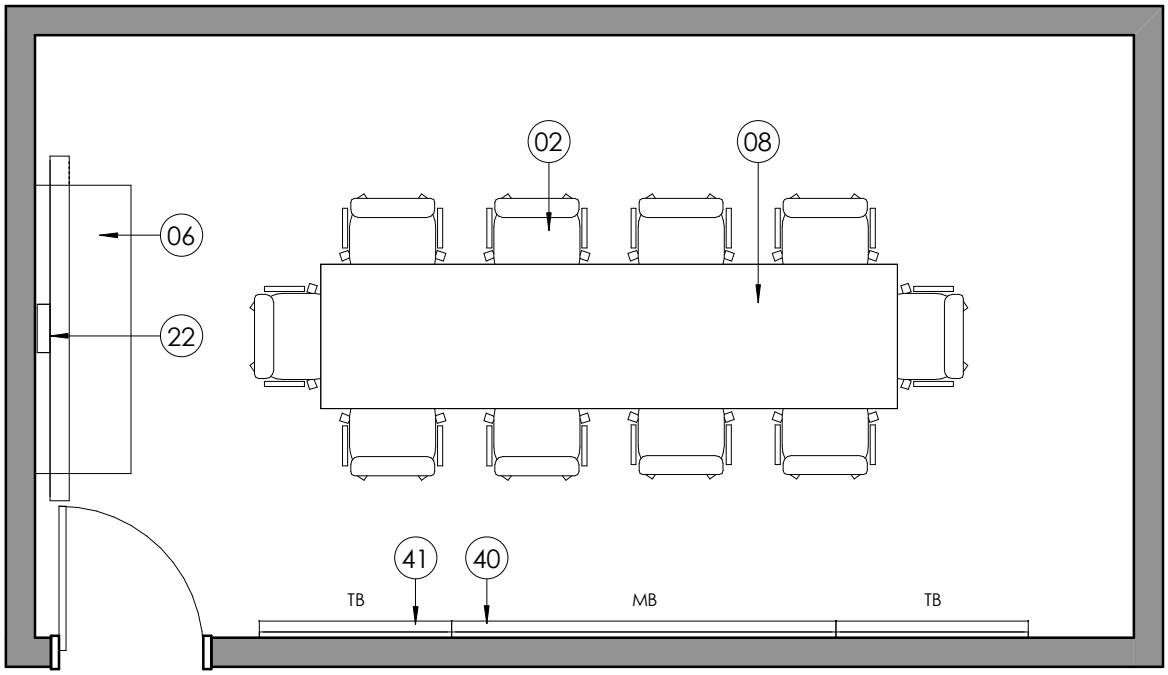


KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
05	GUEST CHAIR
21	BOOKCASE
112	FILE CABINET

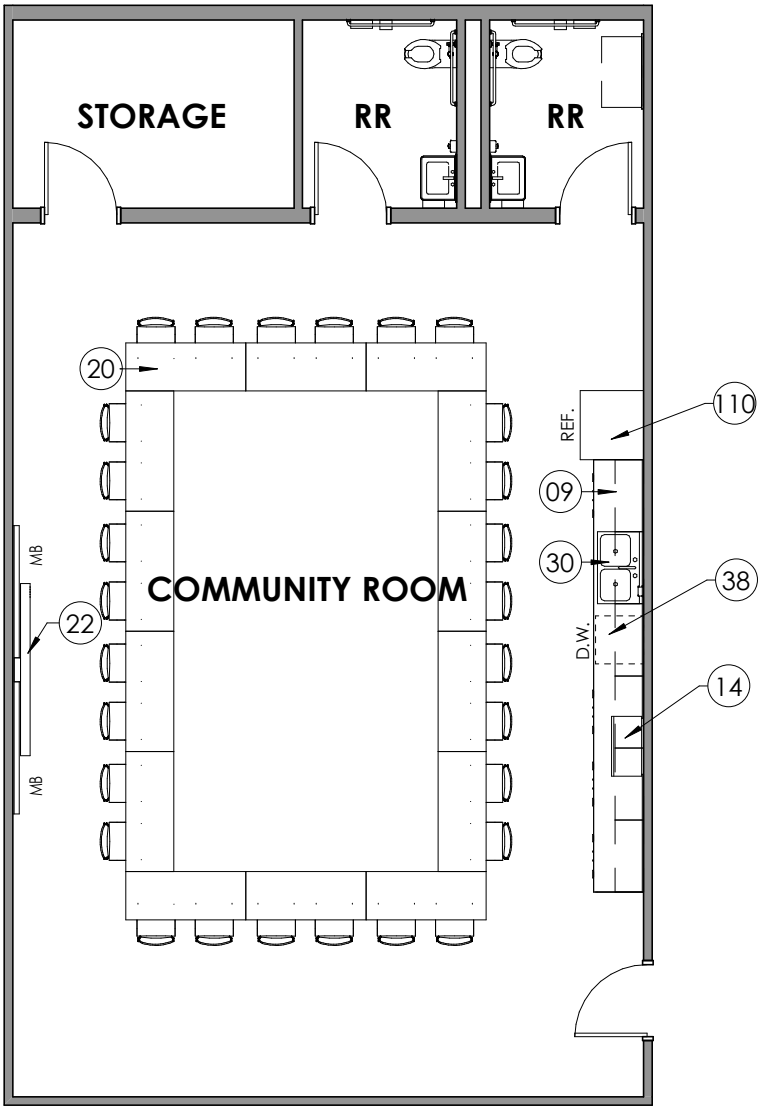


1. Acoustic privacy.
2. Space for four or five student small group meetings.
3. Calm space.
4. Storage for toys, sand tray, art supplies, other manipulatives.
5. Lighting: Dimmable, warm color temperature.
6. Flat panel display to share PowerPoint or other presentatipn.
7. Conference rooms are not conducive to counseling.

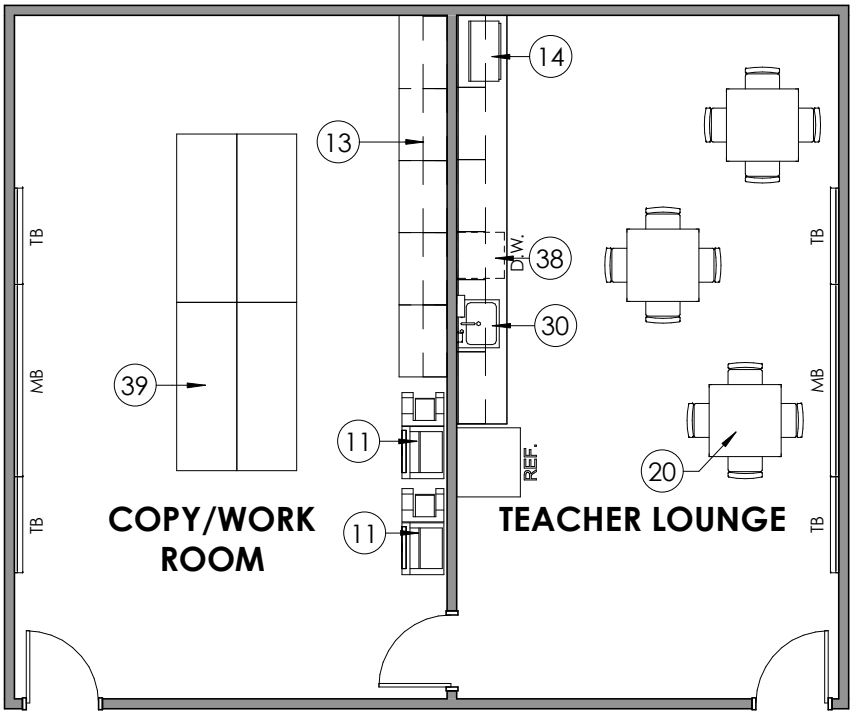
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
05	GUEST CHAIR
10	FLAT PANEL DISPLAY
20	TABLE AND CHAIRS
21	BOOKCASE
37	TALL STORAGE
40	MARKERBOARD
112	FILE CABINET



KEYNOTE	
ITEM #	**ITEM**
02	DESK CHAIR
06	CREDENZA
08	CONFERENCE TABLE
22	INTERACTIVE DISPLAY SCREEN
40	MARKERBOARD
41	TACKBOARD

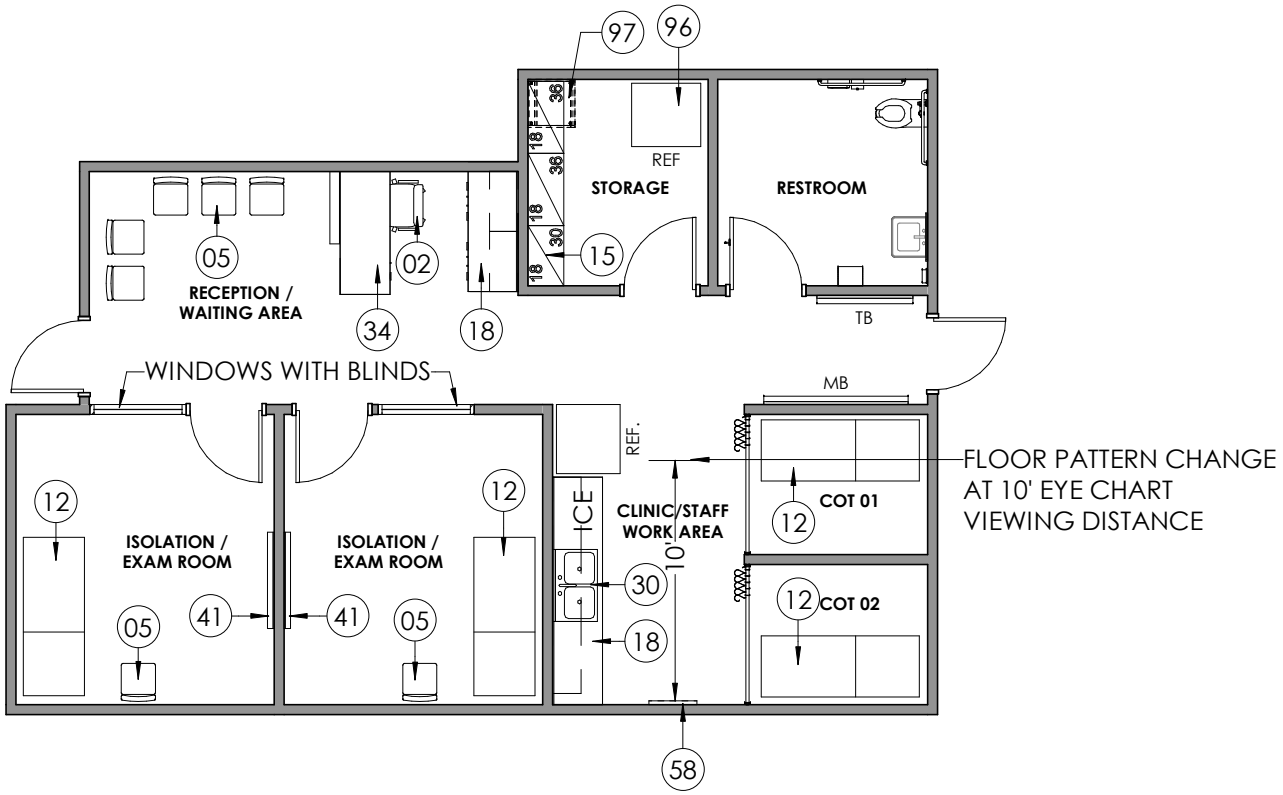


KEYNOTE	
ITEM #	**ITEM**
09	UPPER AND LOWER CABINETS
14	MICROWAVE
20	TABLE AND CHAIRS
22	INTERACTIVE DISPLAY SCREEN
30	ACCESSIBLE SINK
38	DISHWASHER
110	REFRIGERATOR WITH ICE MAKER



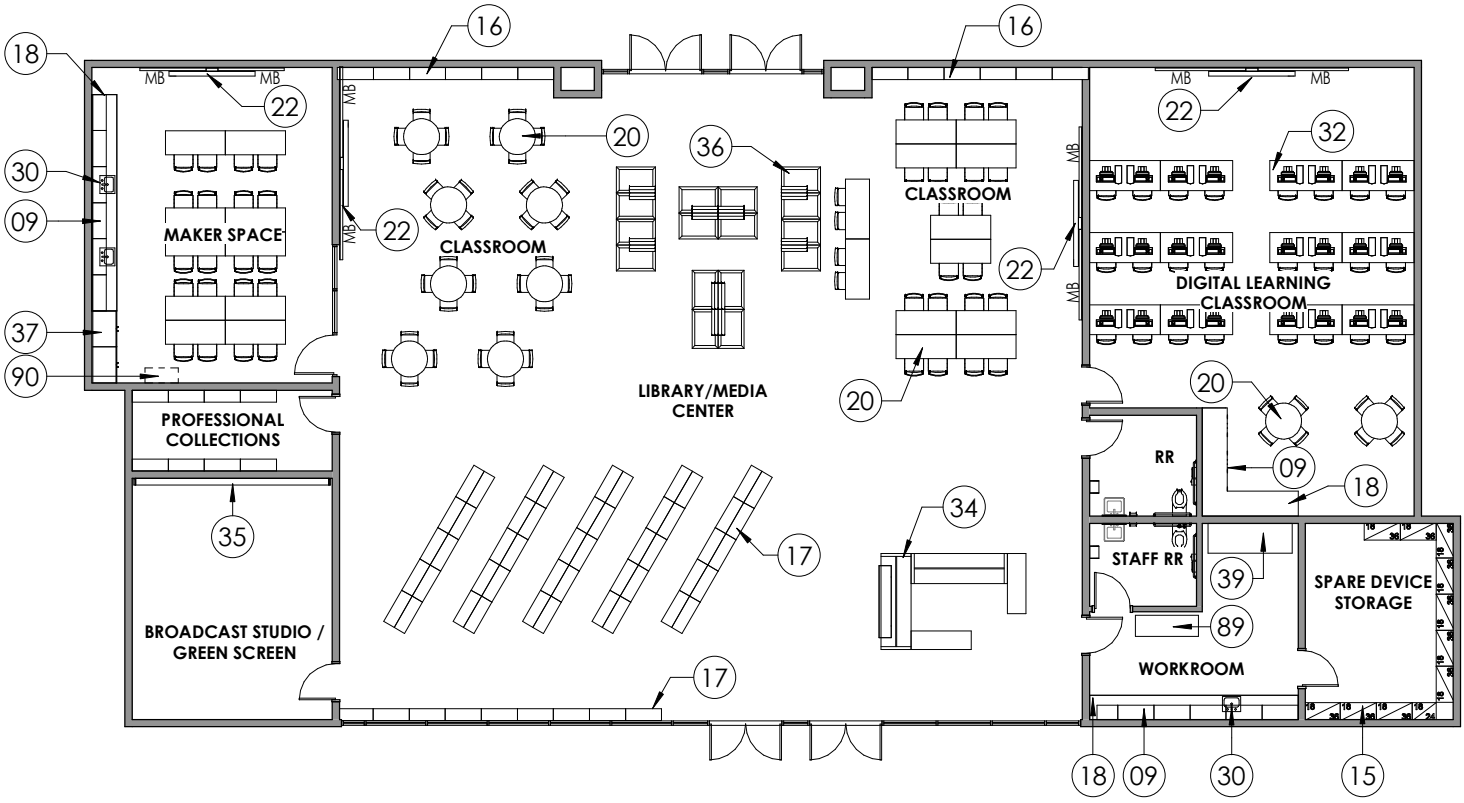
Locate staff restrooms inside Teacher Lounge.

KEYNOTE	
ITEM #	**ITEM**
11	COPY MACHINE
13	MAIL SLOTS
14	MICROWAVE
20	TABLE AND CHAIRS
30	ACCESSIBLE SINK
38	DISHWASHER
39	WORK TABLE



1. All locking cabinets, some tote trays.
2. Eye chart with 10' viewing distance / distance indicator.
3. Trauma "STB" Stop The Bleeding Kit.

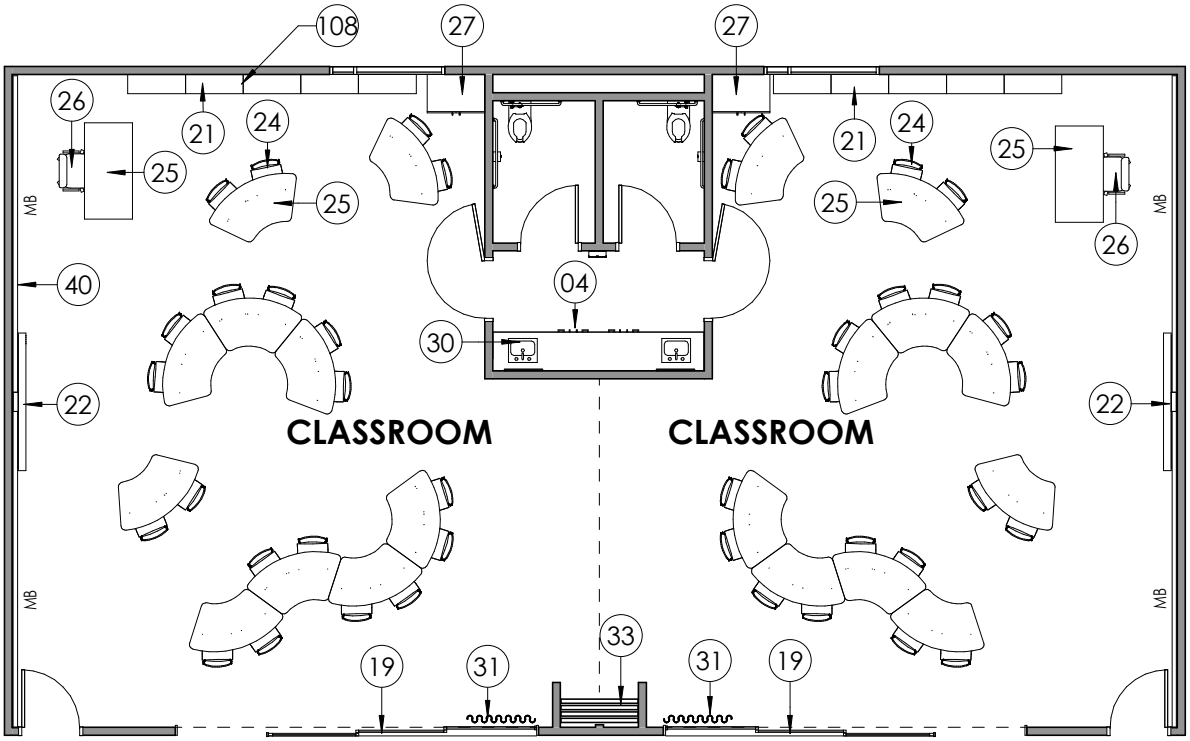
KEYNOTE	
ITEM #	**ITEM**
02	DESK CHAIR
05	GUEST CHAIR
12	COT
15	METAL SHELVES
18	COUNTER
30	ACCESSIBLE SINK
34	CIRCULATION DESK
41	TACKBOARD
58	EYE CHART
96	SECURE MEDICATION FRIDGE
97	SHOT CLINIC FREEZER, OFOI



1. BYOD charging stations.
2. Two computer or iPad stations for student use.

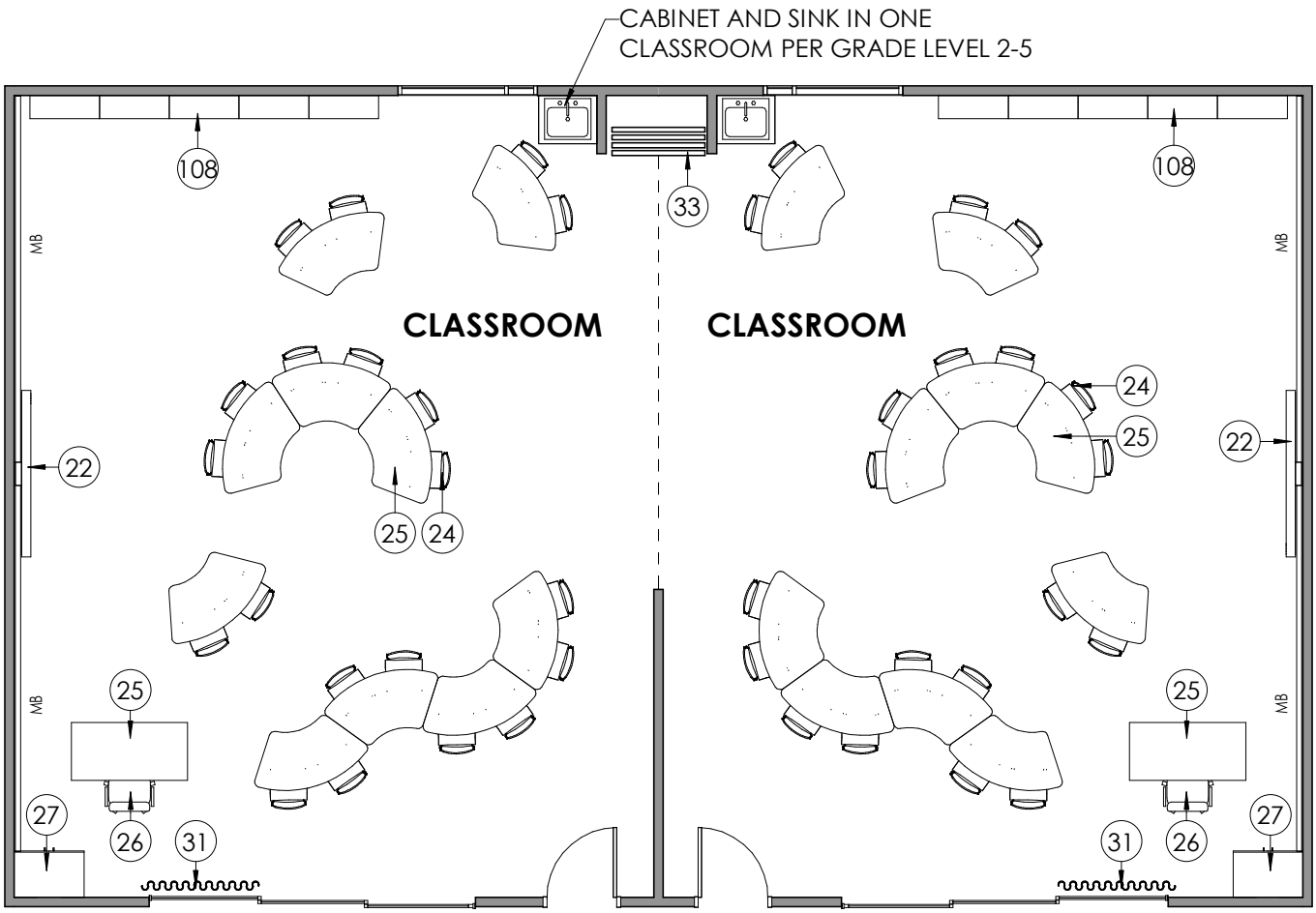
KEYNOTE	
ITEM #	**ITEM**
09	UPPER AND LOWER CABINETS
15	METAL SHELVES
16	TALL LIBRARY SHELF
17	SHORT MOBILE LIBRARY SHELF
18	COUNTER
20	TABLE AND CHAIRS
22	INTERACTIVE DISPLAY SCREEN
30	ACCESSIBLE SINK

KEYNOTE	
ITEM #	**ITEM**
32	COMPUTER DESK
34	CIRCULATION DESK
35	GREEN SCREEN
36	FURNITURE
37	TALL STORAGE
39	WORK TABLE
89	LAMINATOR,OFOI
90	POWER FOR OF EQUIP



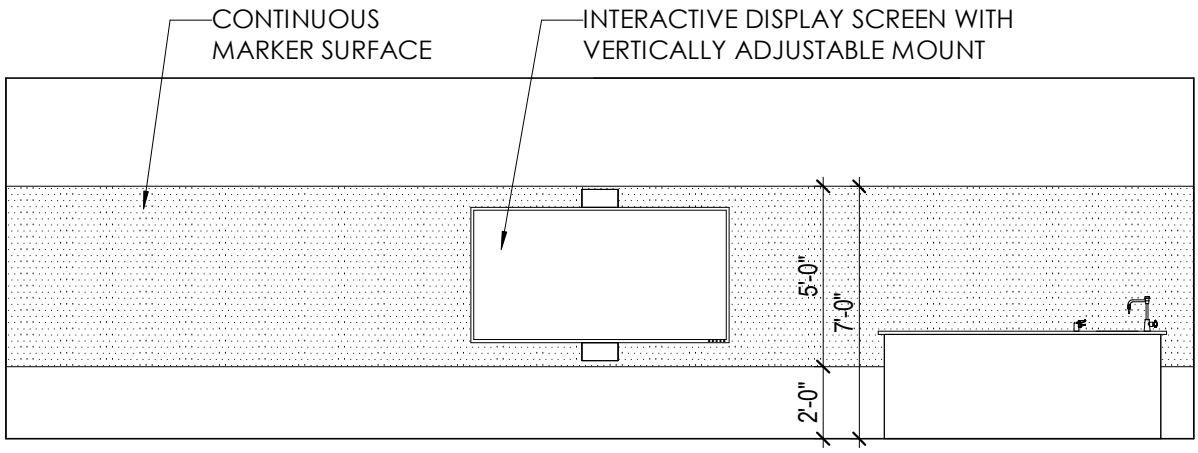
1. BYOD charging stations (not fixed, relocatable).
2. Provide 22 Student cubbies with hooks.
3. Pre-K and K provide space for seven centers.
4. No emergency call buttons. Teacher phone to be used for emergency communication.

KEYNOTE	
ITEM #	**ITEM**
04	CABINET
19	SLIDING DOOR
21	BOOKCASE
22	INTERACTIVE DISPLAY SCREEN
24	STUDENT CHAIR
25	TEACHER DESK
26	TEACHER CHAIR
27	TEACHER WARDROBE
30	ACCESSIBLE SINK
31	PRIVACY CURTAIN
33	FOLDING PARTITION
40	MARKERBOARD
108	CUBBIES

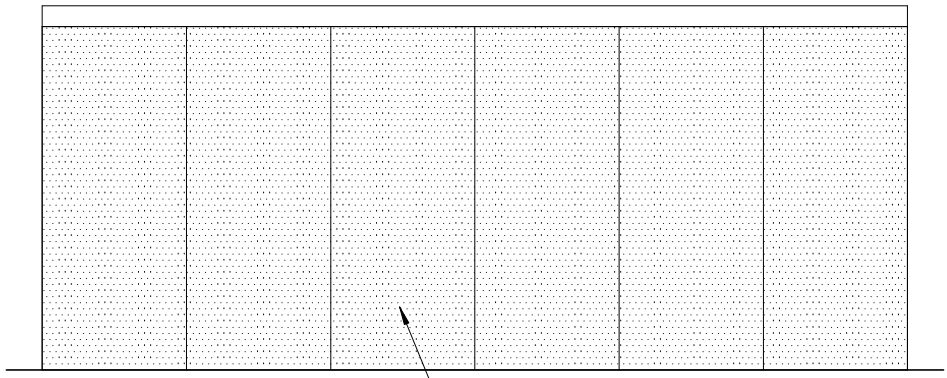


1. BYOD charging stations (not fixed, relocatable).
2. Provide 26 Student cubbies with hooks.
3. Pre-K and K provide space for seven centers.
4. No emergency call buttons. Teacher phone to be used for emergency communication.

KEYNOTE	
ITEM #	**ITEM**
22	INTERACTIVE DISPLAY SCREEN
24	STUDENT CHAIR
25	TEACHER DESK
26	TEACHER CHAIR
27	TEACHER WARDROBE
31	PRIVACY CURTAIN
33	FOLDING PARTITION
108	CUBBIES

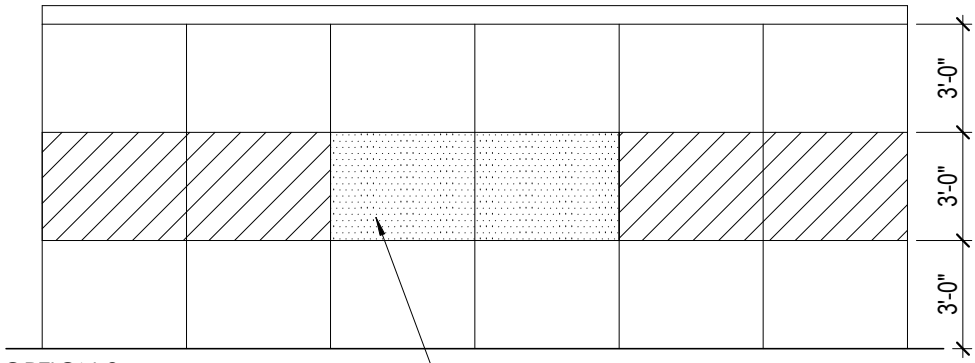


TYPICAL TEACHING WALL



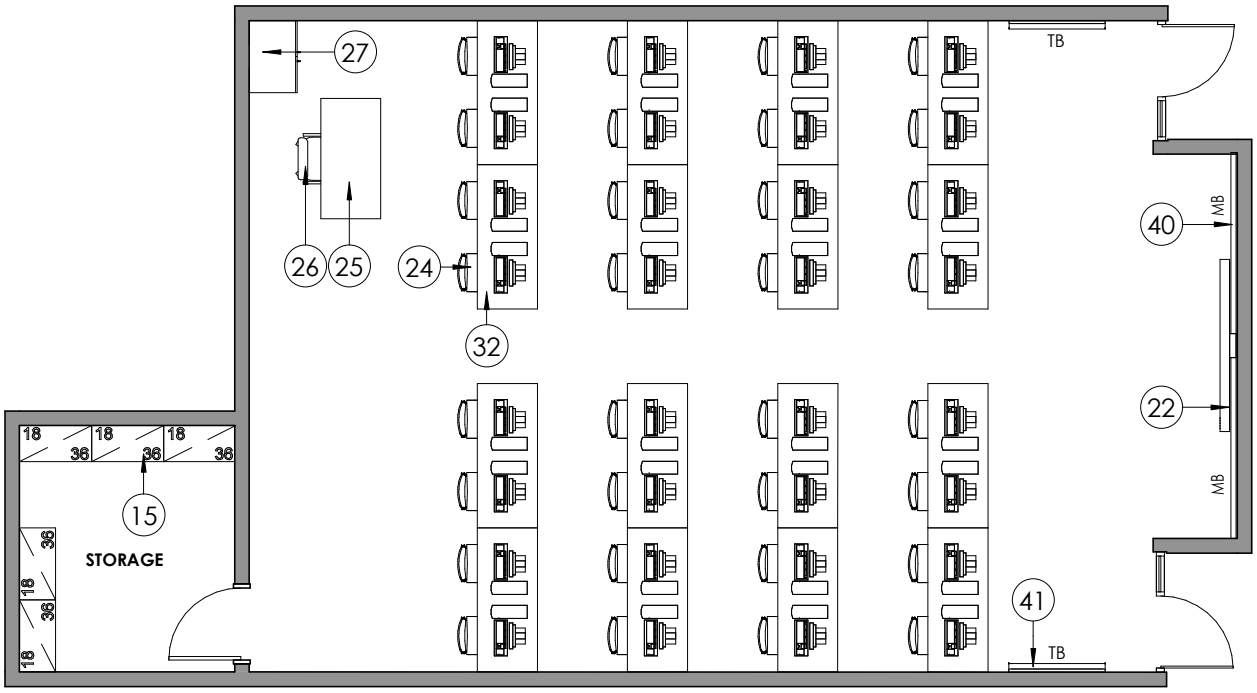
OPTION 1

CONTINUOUS MAGNETIC, MARKER SURFACE, TOP TO BOTTOM

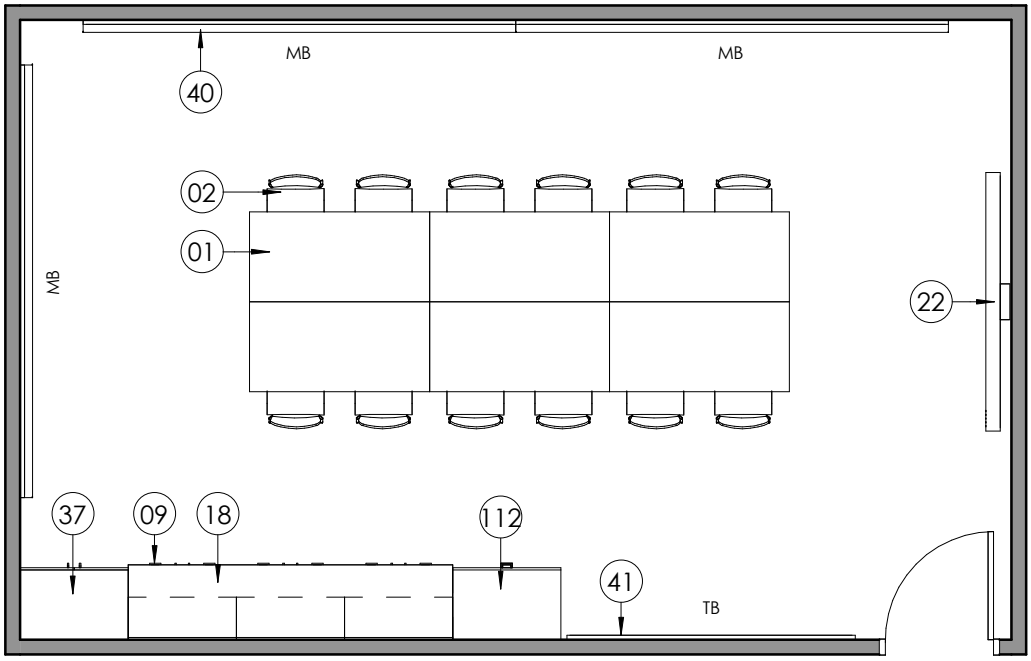


OPTION 2

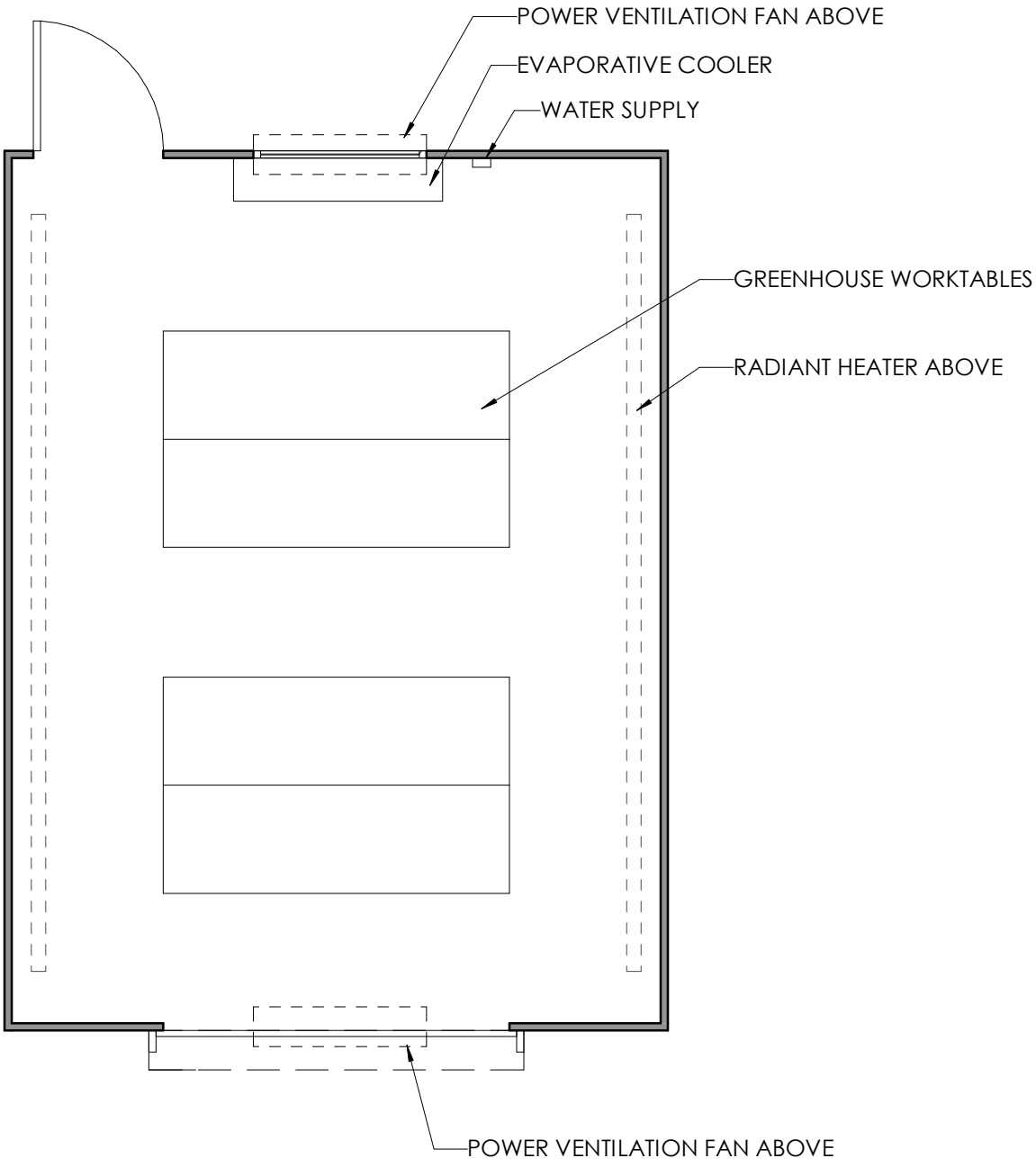
SURFACE MAY VARY BY PANEL AND BY SIDE:
MARKER SURFACE
TACK SURFACE
VINYL
OTHER

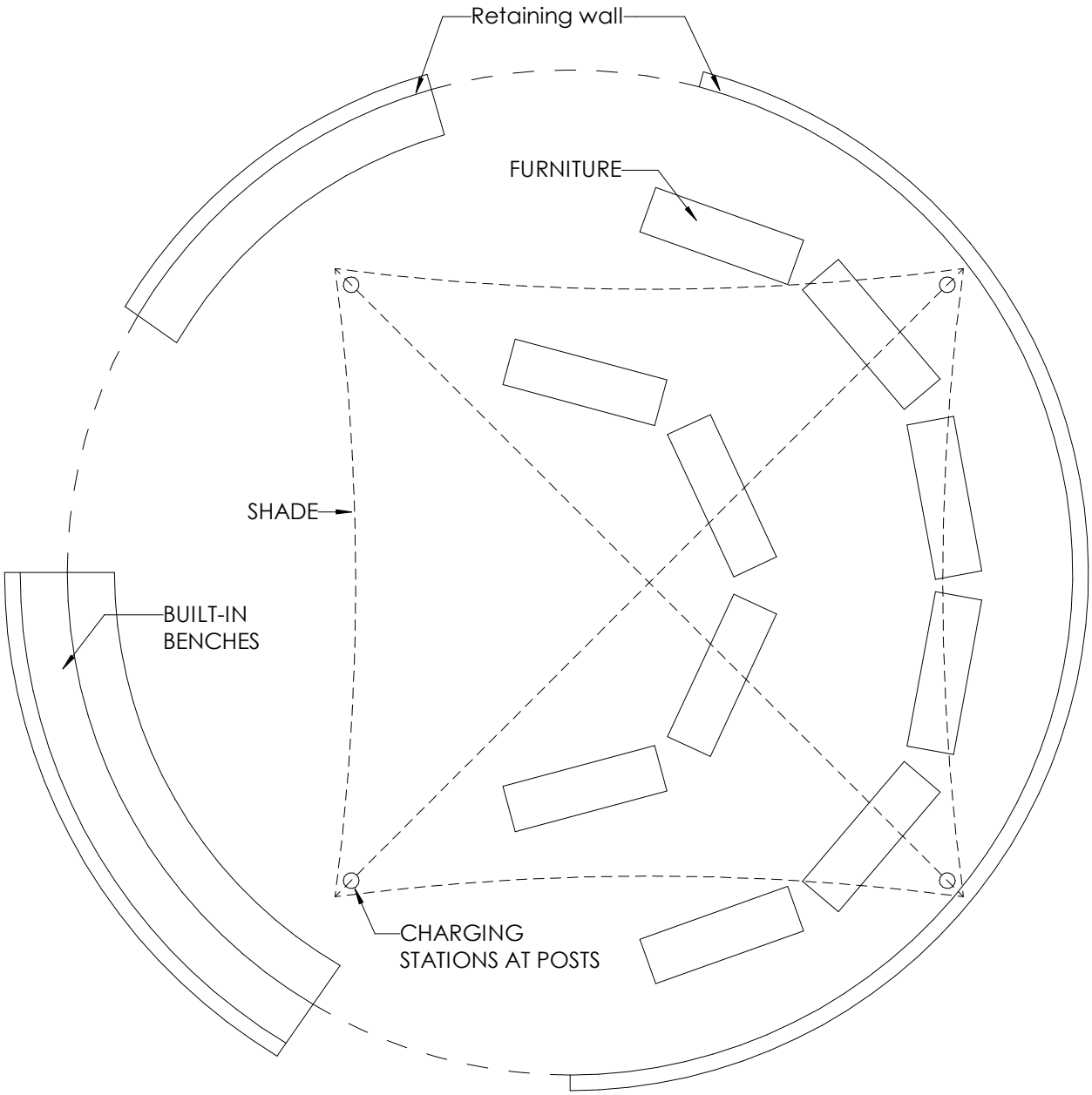


KEYNOTE	
ITEM #	**ITEM**
15	METAL SHELVES
22	INTERACTIVE DISPLAY SCREEN
24	STUDENT CHAIR
25	TEACHER DESK
26	TEACHER CHAIR
27	TEACHER WARDROBE
32	COMPUTER DESK
40	MARKERBOARD
41	TACKBOARD

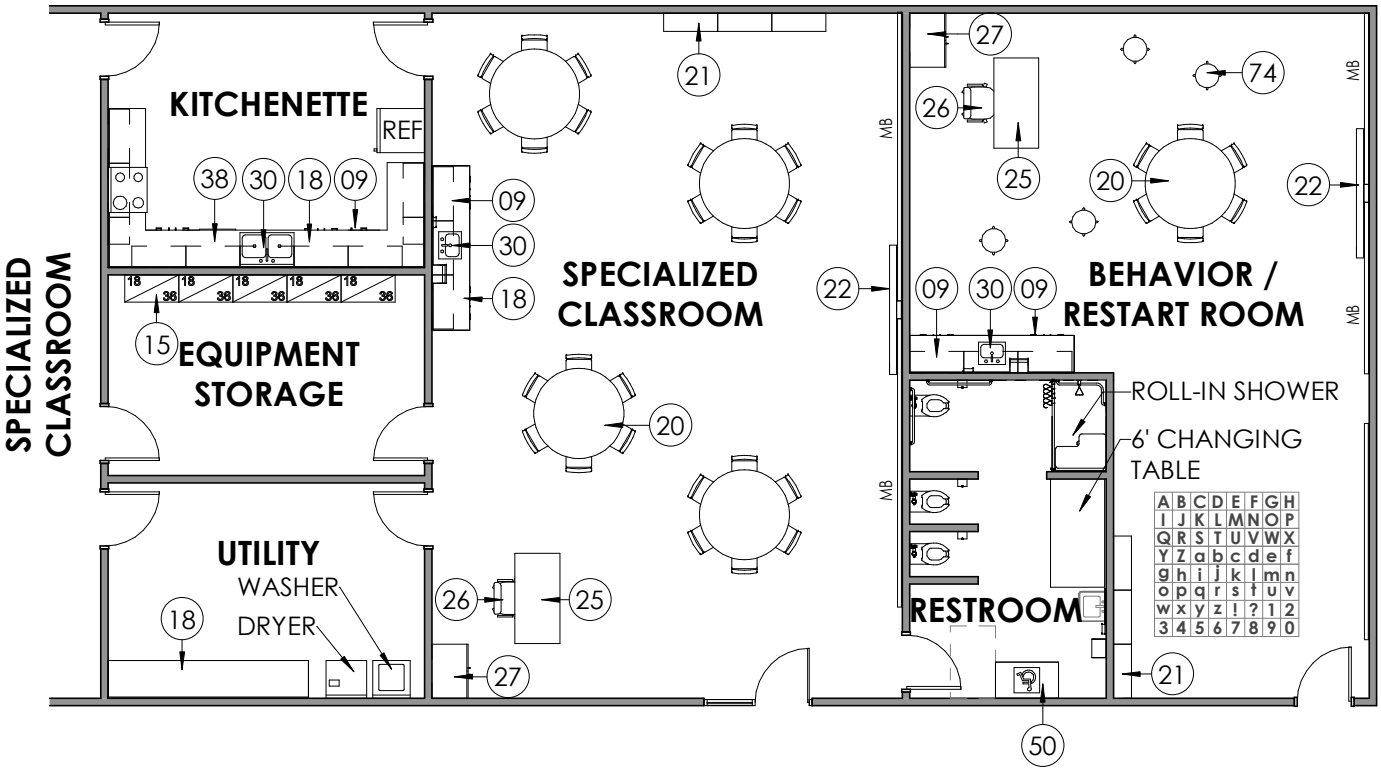


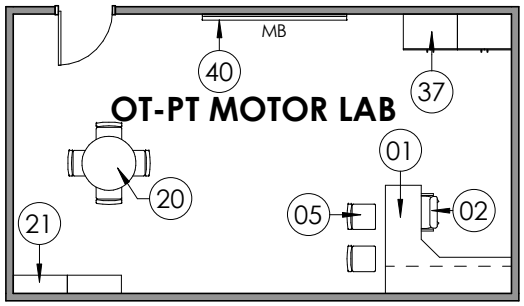
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
09	UPPER AND LOWER CABINETS
18	COUNTER
22	INTERACTIVE DISPLAY SCREEN
37	TALL STORAGE
40	MARKERBOARD
41	TACKBOARD
112	FILE CABINET


POWER VENTILATION FAN ABOVE
EVAPORATIVE COOLER
WATER SUPPLY
GREENHOUSE WORKTABLES
RADIANT HEATER ABOVE
POWER VENTILATION FAN ABOVE



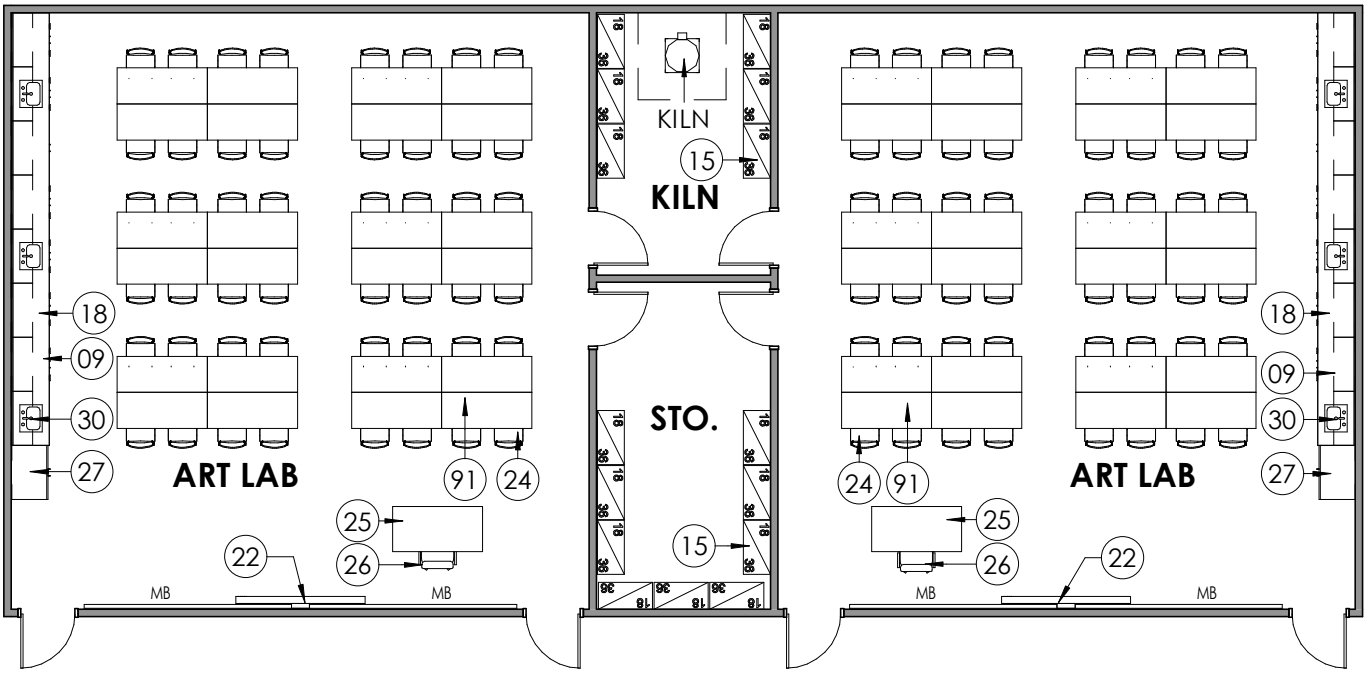
1. Shade
2. Fixed seating
3. Mobile tables and seating
4. Charging stations
5. Secura area (courtyard, screen wall, or fence





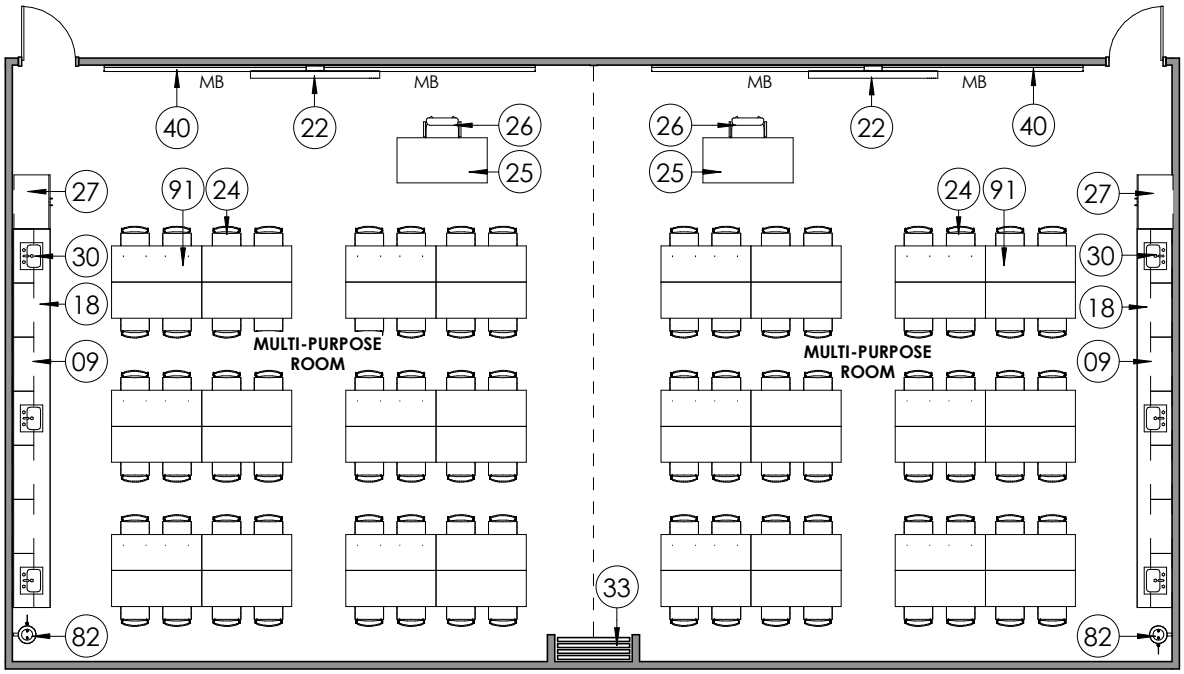
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
05	GUEST CHAIR
09	UPPER AND LOWER CABINETS
15	METAL SHELVES
18	COUNTER
20	TABLE AND CHAIRS
21	BOOKCASE
22	INTERACTIVE DISPLAY SCREEN

KEYNOTE	
ITEM #	**ITEM**
25	TEACHER DESK
26	TEACHER CHAIR
27	TEACHER WARDROBE
30	ACCESSIBLE SINK
37	TALL STORAGE
38	DISHWASHER
40	MARKERBOARD
50	ACCESSIBLE BENCH
74	STOOL

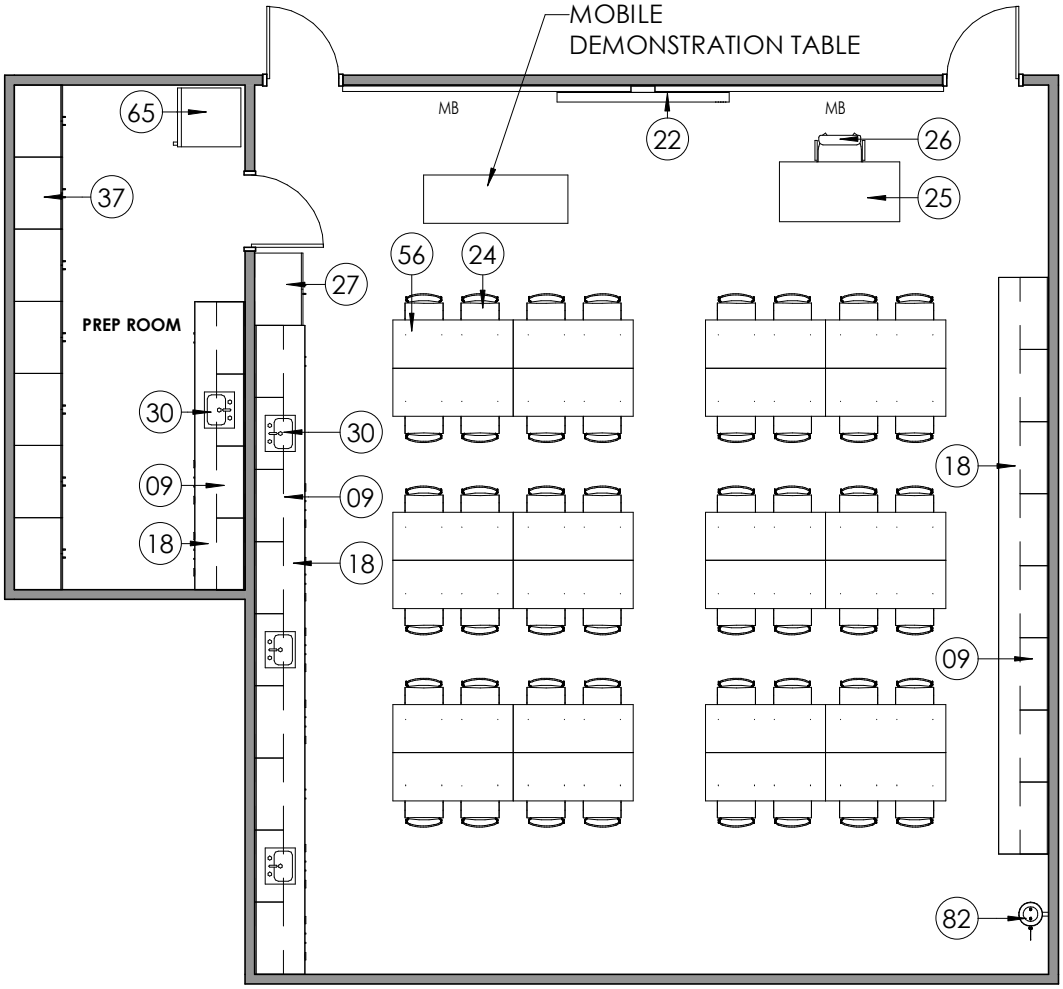


Provide drying racks

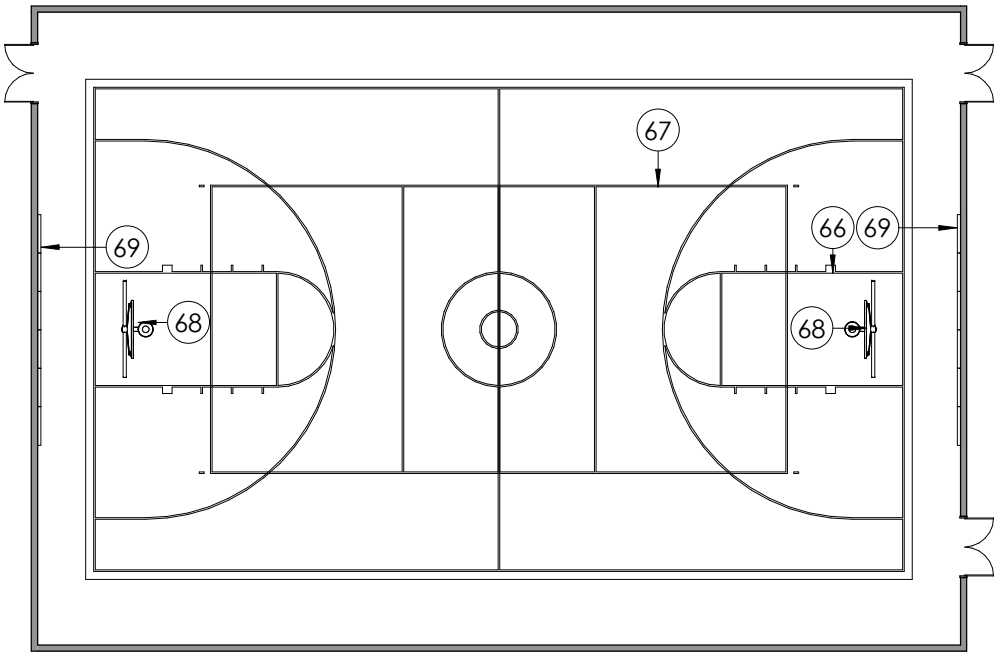
KEYNOTE	
ITEM #	**ITEM**
09	UPPER AND LOWER CABINETS
15	METAL SHELVES
18	COUNTER
22	INTERACTIVE DISPLAY SCREEN
24	STUDENT CHAIR
25	TEACHER DESK
26	TEACHER CHAIR
27	TEACHER WARDROBE
30	ACCESSIBLE SINK
91	ART TABLE



KEYNOTE	
ITEM #	**ITEM**
09	UPPER AND LOWER CABINETS
18	COUNTER
22	INTERACTIVE DISPLAY SCREEN
24	STUDENT CHAIR
25	TEACHER DESK
26	TEACHER CHAIR
27	TEACHER WARDROBE
30	ACCESSIBLE SINK
33	FOLDING PARTITION
40	MARKERBOARD
82	EMERGENCY EYEWASH
91	ART TABLE

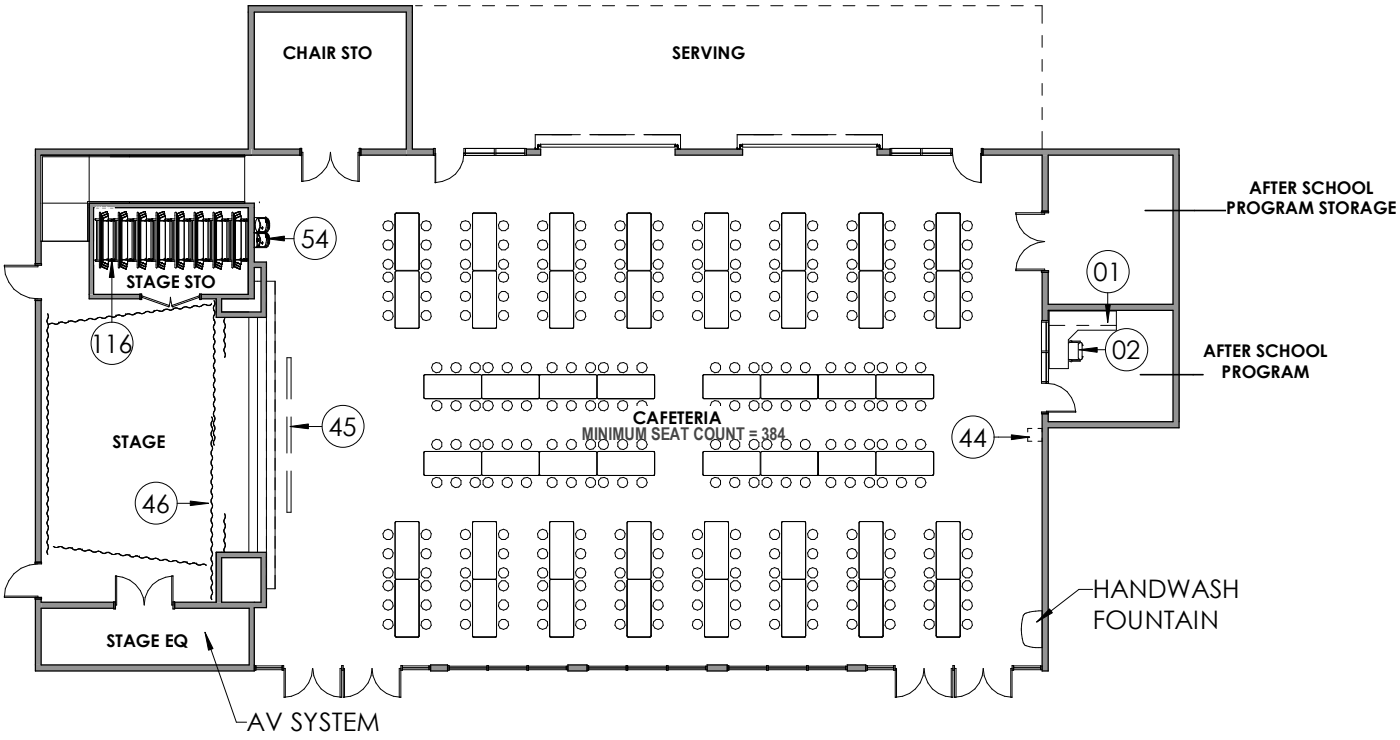


KEYNOTE	
ITEM #	**ITEM**
09	UPPER AND LOWER CABINETS
18	COUNTER
22	INTERACTIVE DISPLAY SCREEN
24	STUDENT CHAIR
25	TEACHER DESK
26	TEACHER CHAIR
27	TEACHER WARDROBE
30	ACCESSIBLE SINK
37	TALL STORAGE
56	SCIENCE LAB TABLE
65	REFRIGERATOR
82	EMERGENCY EYEWASH



Court size: 84' x 50'.

KEYNOTE	
ITEM #	**ITEM**
66	BASKETBALL COURT
67	VOLLEYBALL COURT STRIPING AND INSERTS
68	FOLDING BASKETBALL GOAL AND BACKSTOP
69	WALL SAFETY PADS

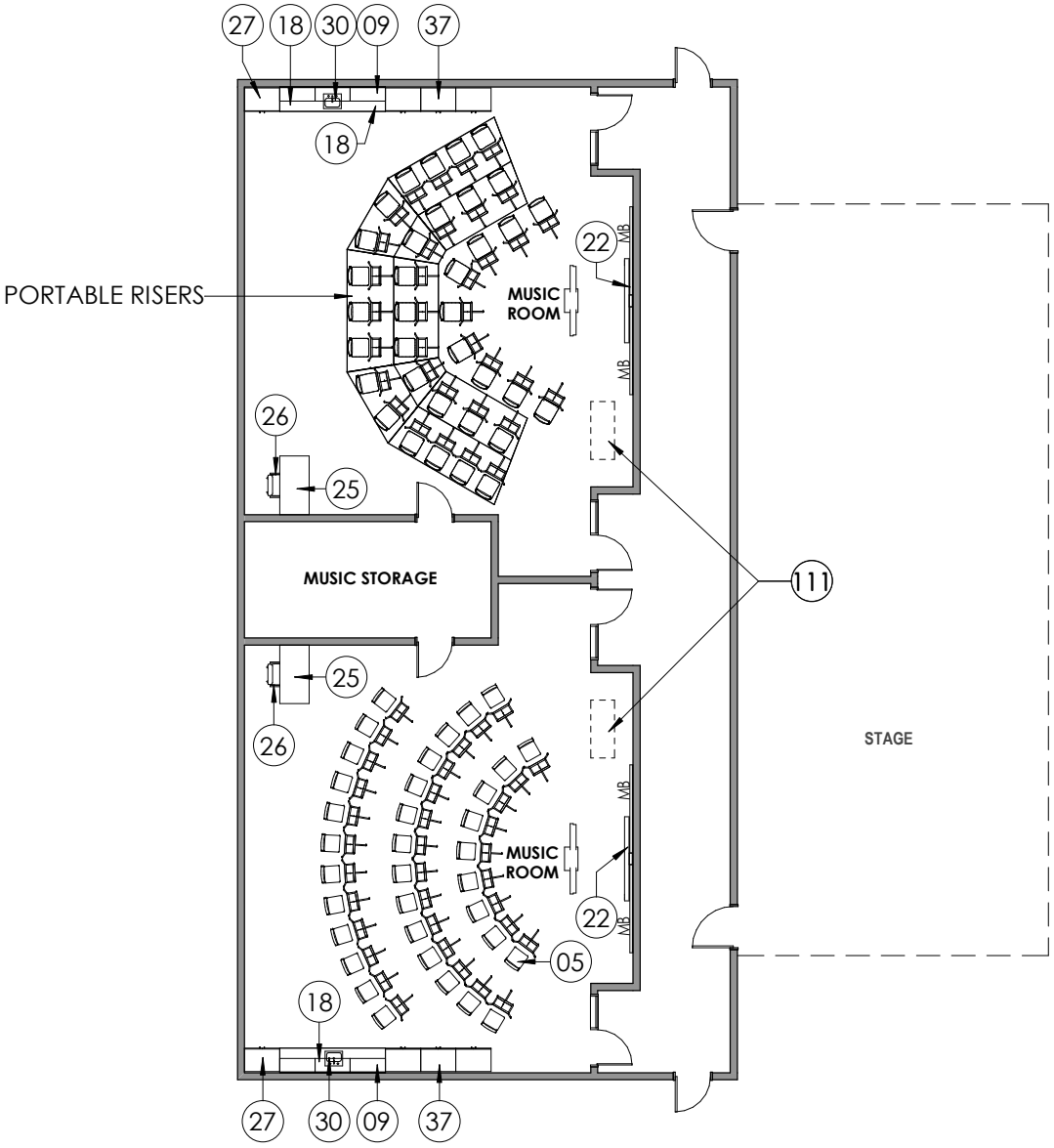


1. AED.

Stage related:

2. Curtains.
3. Wood floor, black finish, not sprung.
4. Screen.
5. Stage lighting.
6. Sound system.

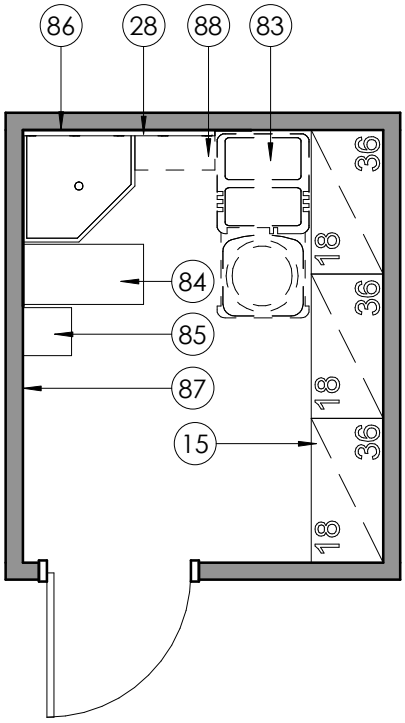
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
44	PROJECTOR
45	MOTORIZED PROJECTION SCREEN
46	STAGE CURTAIN
54	WATER FOUNTAIN
116	CHOIR RISER



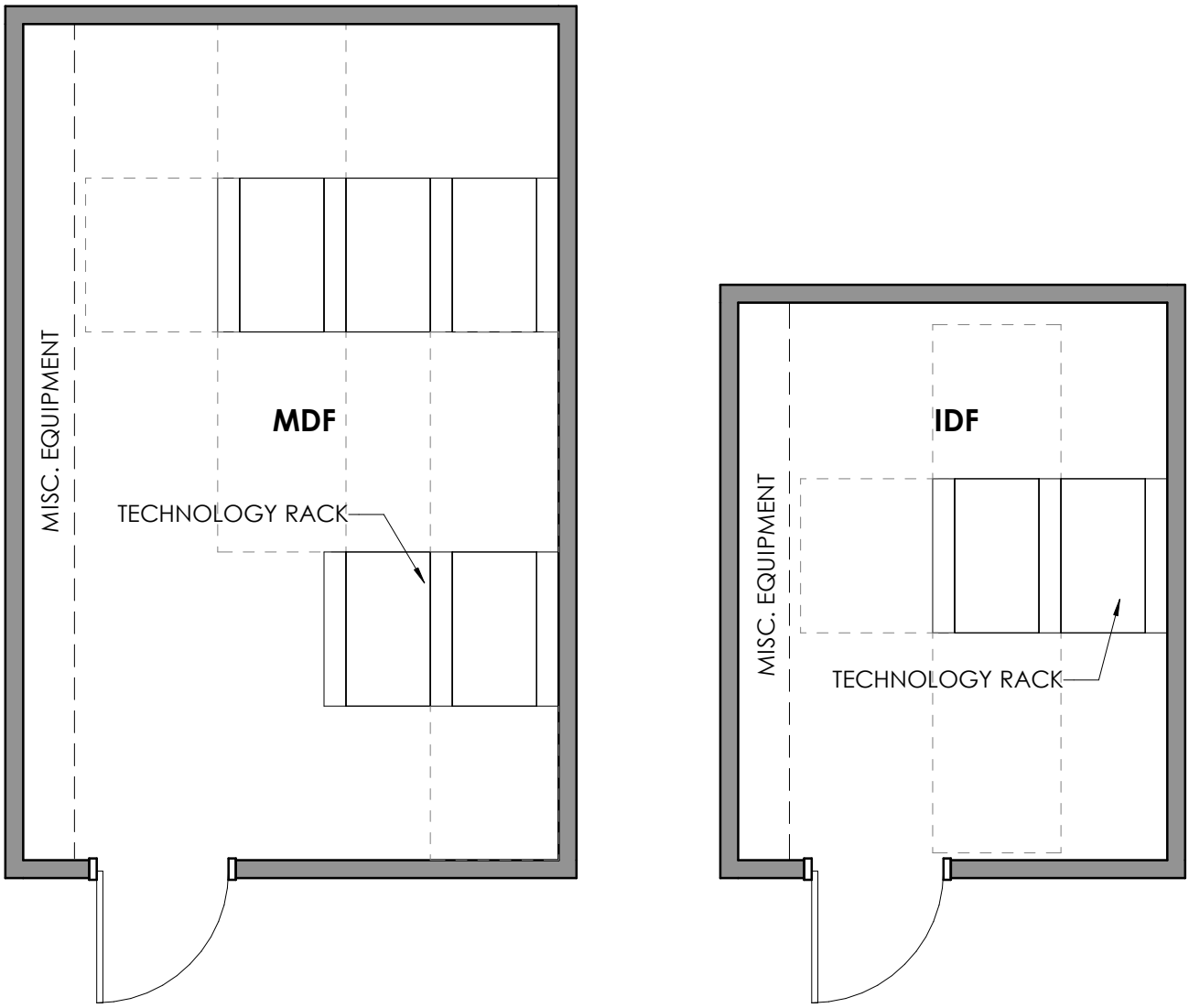
1. Sound system.
2. Acoustic panels.
3. Portable Risers.

KEYNOTE	
ITEM #	**ITEM**
05	GUEST CHAIR
09	UPPER AND LOWER CABINETS
18	COUNTER
22	INTERACTIVE DISPLAY SCREEN
25	TEACHER DESK

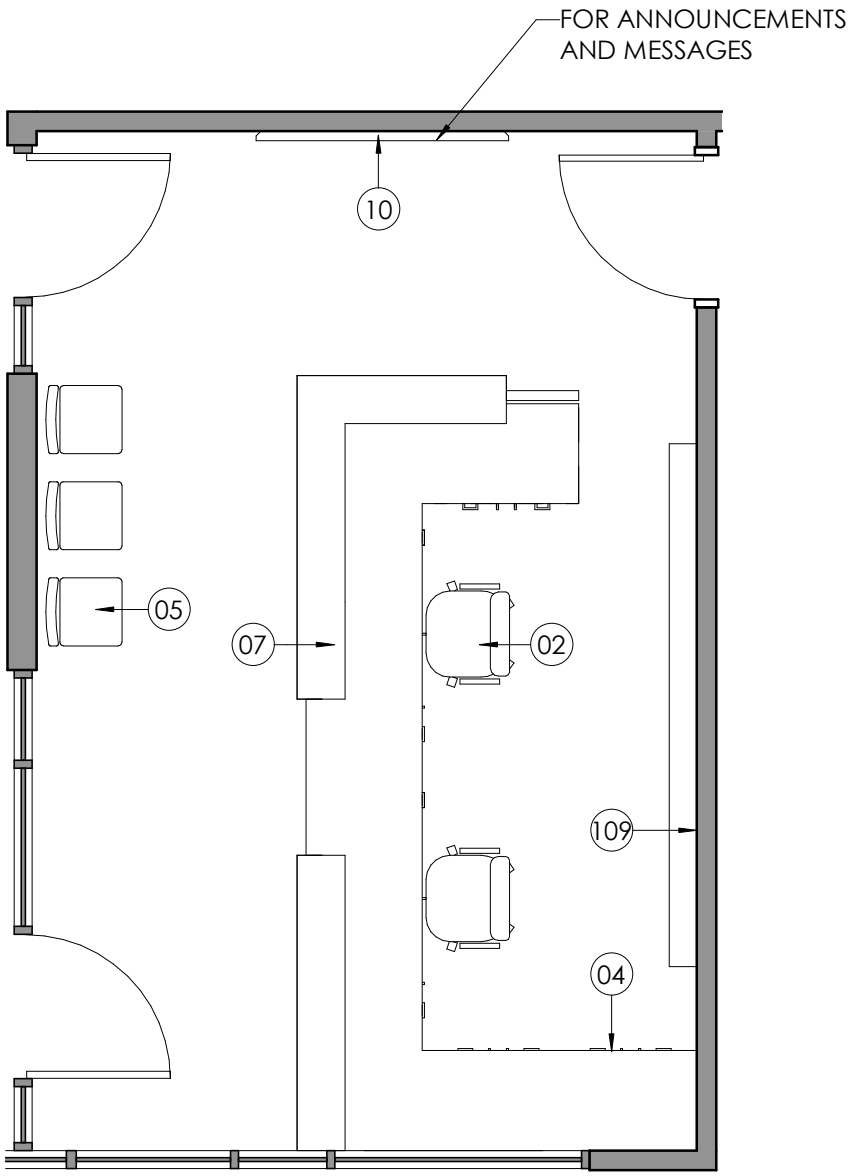
KEYNOTE	
ITEM #	**ITEM**
26	TEACHER CHAIR
27	TEACHER WARDROBE
30	ACCESSIBLE SINK
37	TALL STORAGE
111	DIGITAL PIANO, OFOI



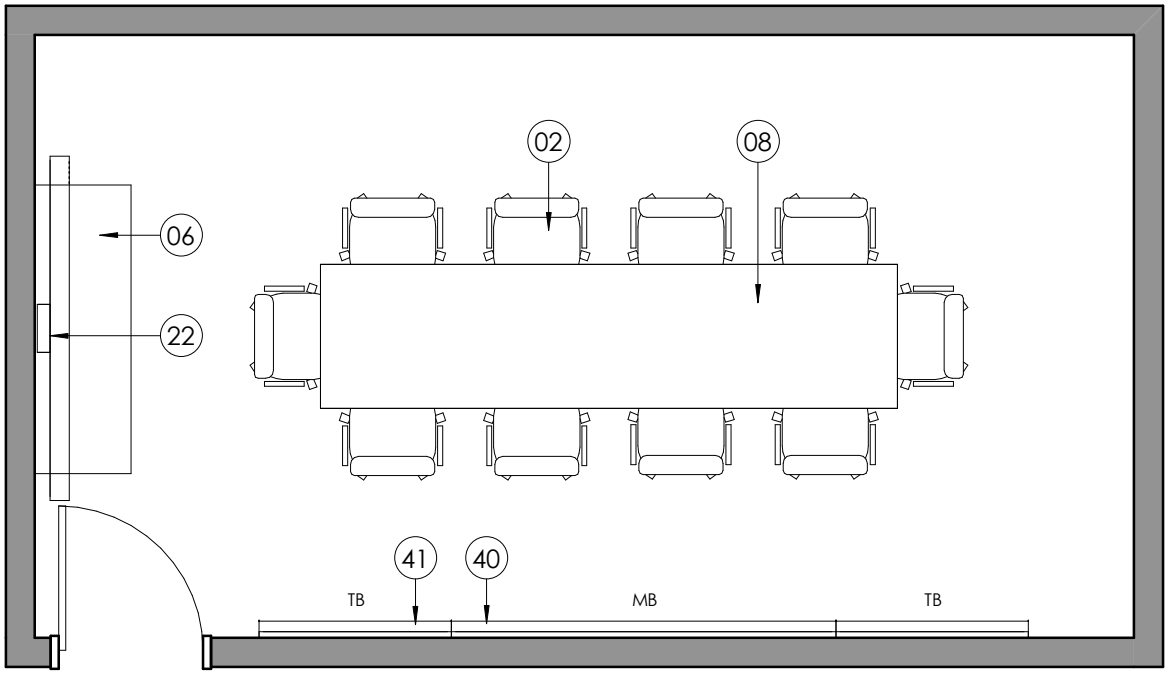
KEYNOTE	
ITEM #	**ITEM**
15	METAL SHELVES
28	MOP AND BROOM HOLDER
83	TRASH CAN CART
84	MOP BUCKET
85	UPRIGHT VACUUM
86	STAINLESS STEEL WALL PANEL
87	POWER RECEPTACLE, CHARGING
88	CLEANING PRODUCT DISPENSER,PROVIDE WATER/POWER,OFCI



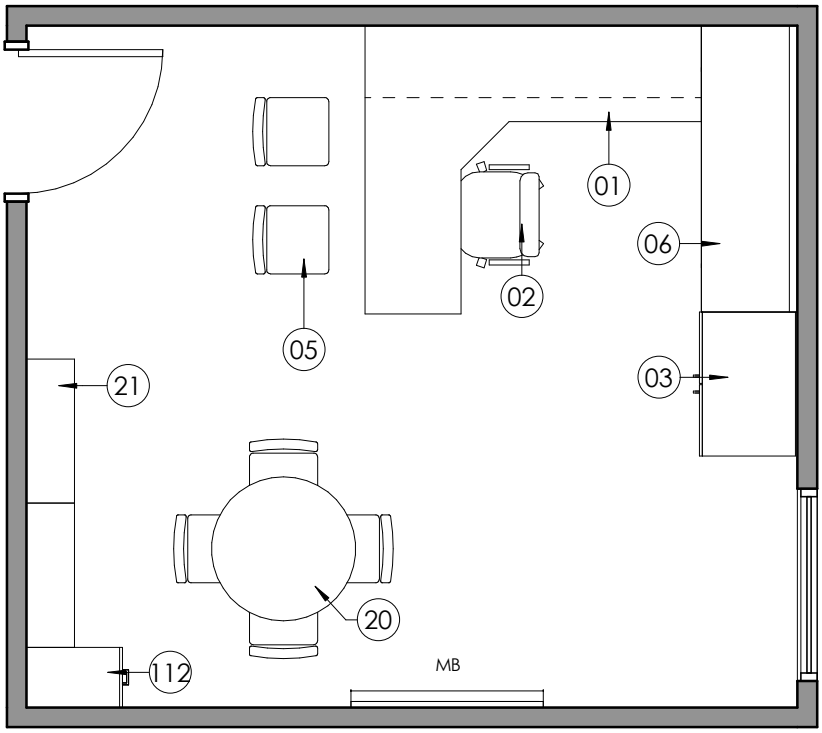
1. Room sizes and technology rack quantity may vary.
2. Card access door hardware.
3. IDF rooms should stack in multi-story wings, if possible.
4. Distance / separation from electrical rooms or other interference.



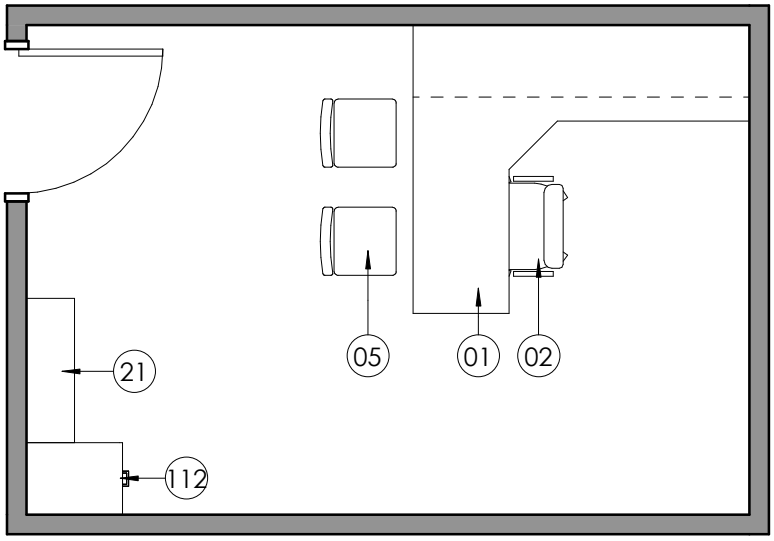
KEYNOTE	
ITEM #	**ITEM**
02	DESK CHAIR
04	CABINET
05	GUEST CHAIR
07	RECEPTION DESK
10	FLAT PANEL DISPLAY
109	SCHOOL SIGN / GRAPHICS



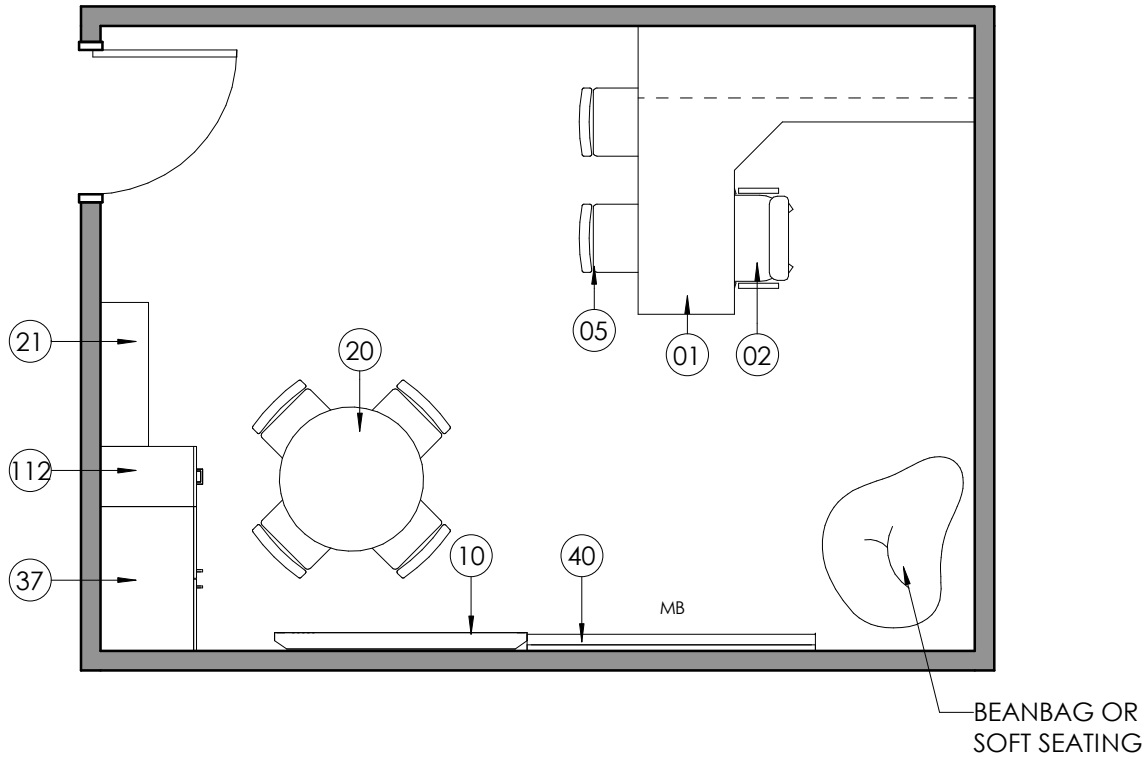
KEYNOTE	
ITEM #	**ITEM**
02	DESK CHAIR
06	CREDENZA
08	CONFERENCE TABLE
22	INTERACTIVE DISPLAY SCREEN
40	MARKERBOARD
41	TACKBOARD



KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
03	WARDROBE
05	GUEST CHAIR
06	CREDENZA
20	TABLE AND CHAIRS
21	BOOKCASE
112	FILE CABINET

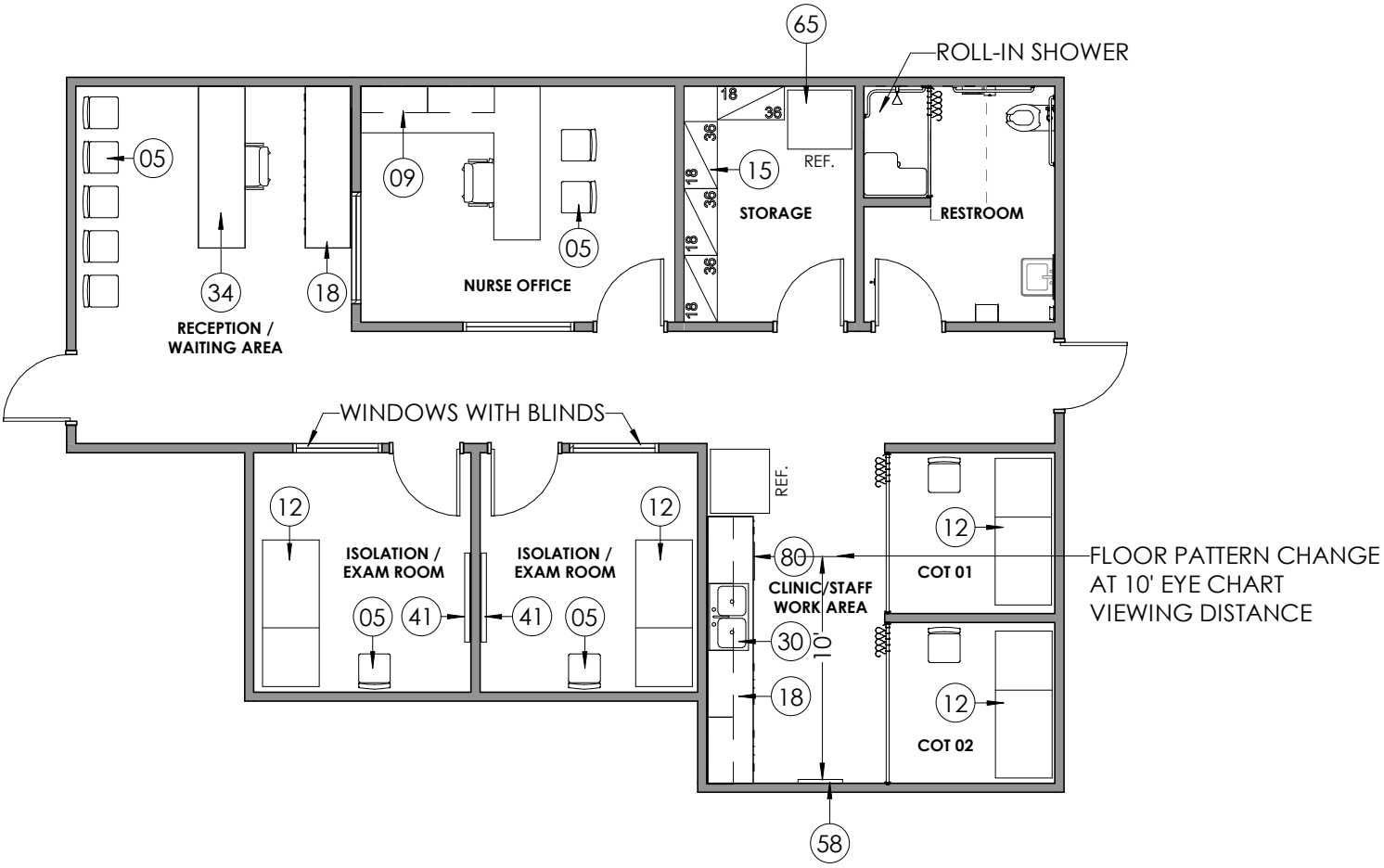


KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
05	GUEST CHAIR
21	BOOKCASE
112	FILE CABINET

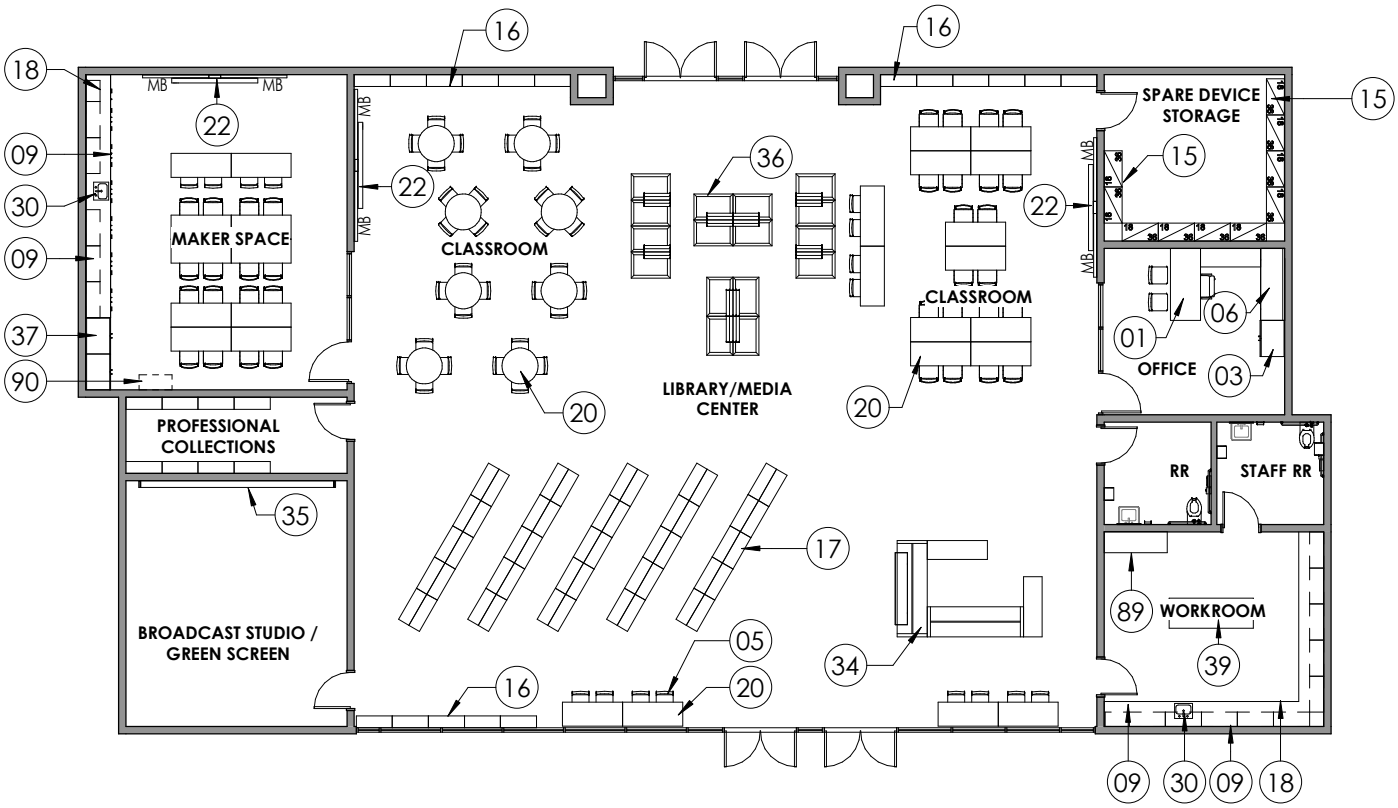


1. Acoustic privacy.
2. Space for four or five student small group meetings.
3. Calm space.
4. Storage for toys, sand tray, art supplies, other manipulatives.
5. Lighting: Dimmable, warm color temperature.
6. Flat panel display to share PowerPoint or other presentatipn.
7. Conference rooms are not conducive to counseling.

KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
05	GUEST CHAIR
10	FLAT PANEL DISPLAY
20	TABLE AND CHAIRS
21	BOOKCASE
37	TALL STORAGE
40	MARKERBOARD
112	FILE CABINET



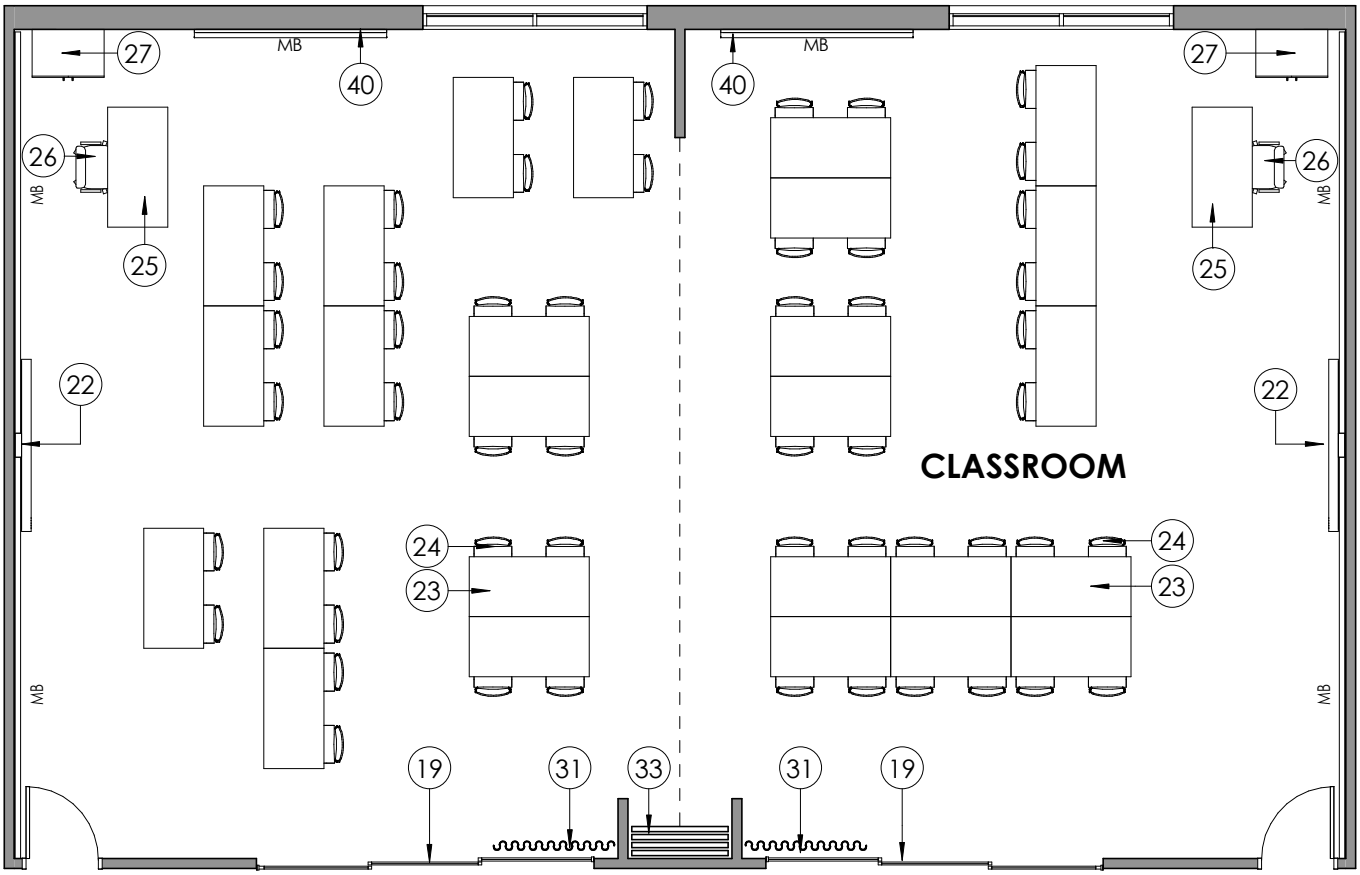
KEYNOTE	
ITEM #	**ITEM**
05	GUEST CHAIR
09	UPPER AND LOWER CABINETS
12	COT
15	METAL SHELVES
18	COUNTER
30	ACCESSIBLE SINK
34	CIRCULATION DESK
41	TACKBOARD
58	EYE CHART
65	REFRIGERATOR
80	ICE MACHINE



1. BYOD charging stations.
2. Two computer or iPad stations for student use.

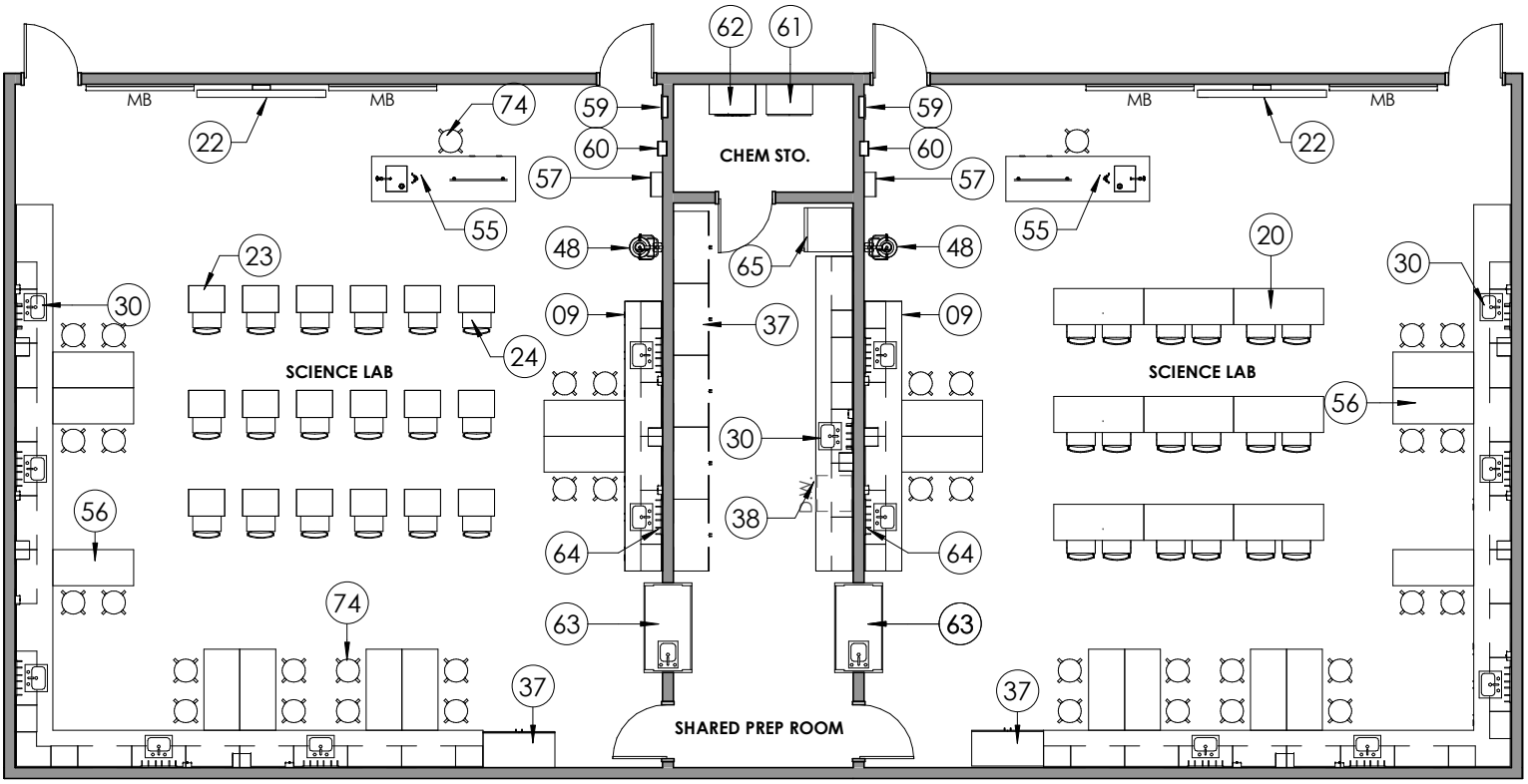
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
03	WARDROBE
05	GUEST CHAIR
06	CREDENZA
09	UPPER AND LOWER CABINETS
15	METAL SHELVES
16	TALL LIBRARY SHELF
17	SHORT MOBILE LIBRARY SHELF
18	COUNTER
20	TABLE AND CHAIRS

KEYNOTE	
ITEM #	**ITEM**
22	INTERACTIVE DISPLAY SCREEN
30	ACCESSIBLE SINK
34	CIRCULATION DESK
35	GREEN SCREEN
36	FURNITURE
37	TALL STORAGE
39	WORK TABLE
89	LAMINATOR,OFOI
90	POWER FOR OF EQUIP



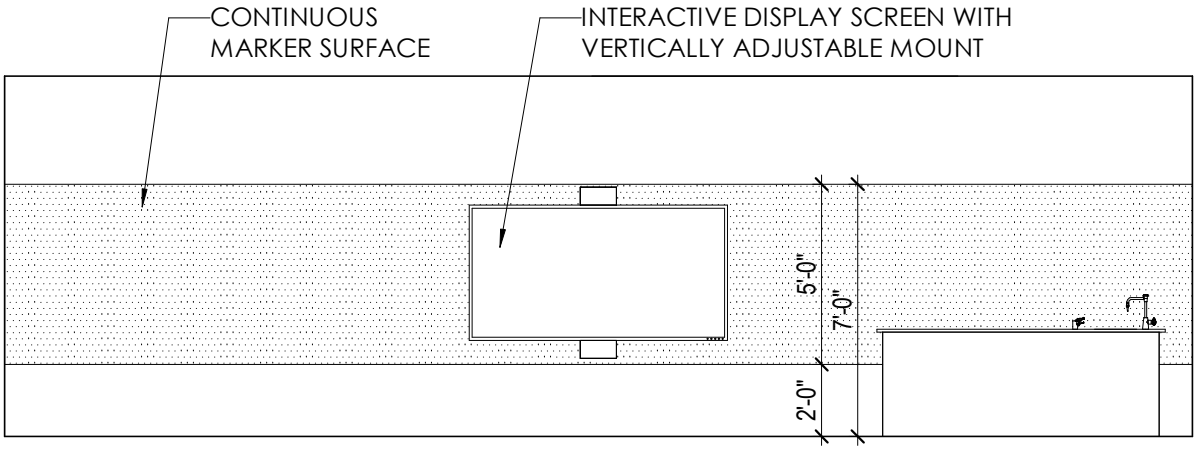
Folding partition with combination of full height marker surface and tack surfaces,
Typ most folding partions.

KEYNOTE	
ITEM #	**ITEM**
19	SLIDING DOOR
22	INTERACTIVE DISPLAY SCREEN
23	STUDENT DESK
24	STUDENT CHAIR
25	TEACHER DESK
26	TEACHER CHAIR
27	TEACHER WARDROBE
31	PRIVACY CURTAIN
33	FOLDING PARTITION
40	MARKERBOARD



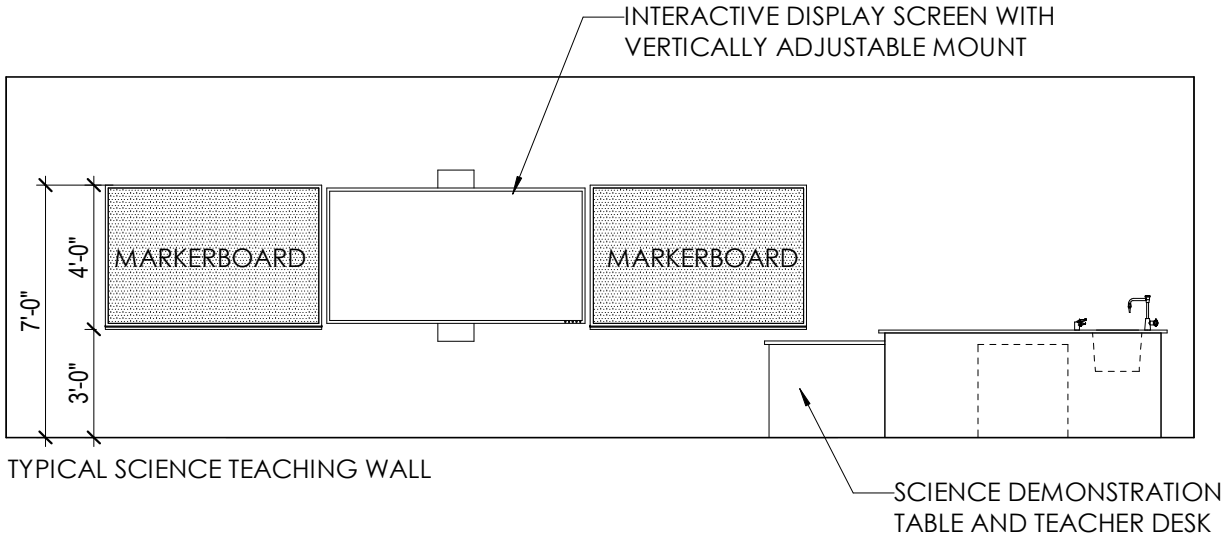
KEYNOTE	
ITEM #	**ITEM**
09	UPPER AND LOWER CABINETS
20	TABLE AND CHAIRS
22	INTERACTIVE DISPLAY SCREEN
23	STUDENT DESK
24	STUDENT CHAIR
30	ACCESSIBLE SINK
37	TALL STORAGE
38	DISHWASHER
48	EMERGENCY SHOWER/EMERGENCY EYEWASH
55	DEMONSTRATION TABLE AND TEACHER DESK
56	SCIENCE LAB TABLE

KEYNOTE	
ITEM #	**ITEM**
57	FIRE BLANKET CABINET
59	GOGGLE CABINET
60	FIRE EXTINGUISHER CABINET
61	ACID STORAGE CABINET
62	FLAMMABLE STORAGE CABINET
63	FUME HOOD
64	DRYING RACK
65	REFRIGERATOR
74	STOOL

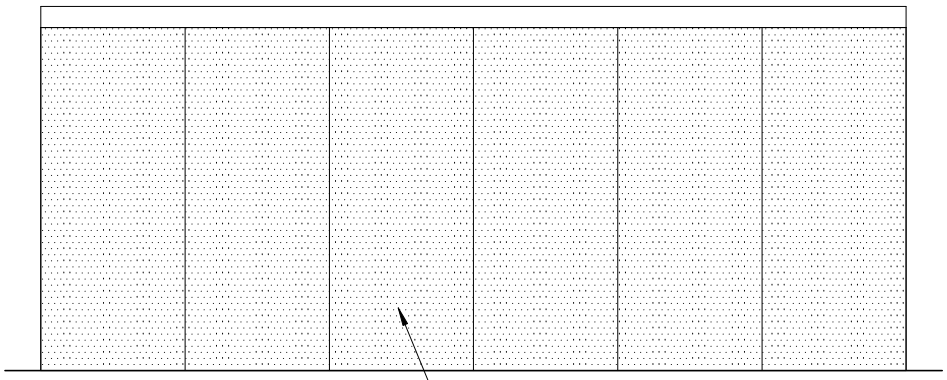


TYPICAL TEACHING WALL

Include marker board on second wall when wall space allows.

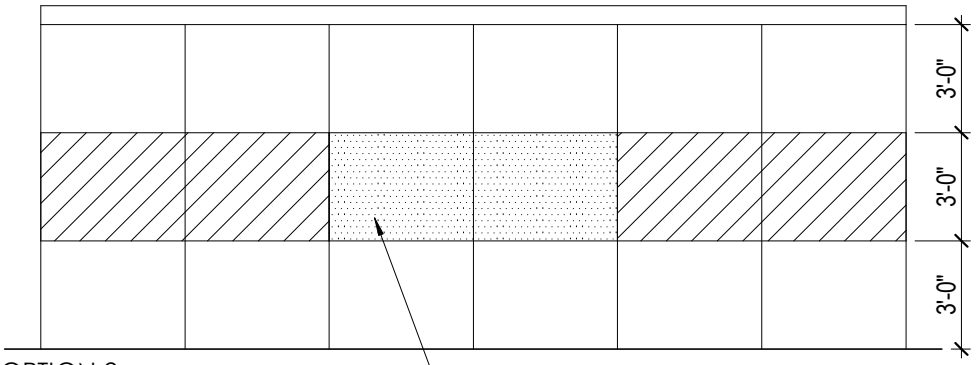


TYPICAL SCIENCE TEACHING WALL



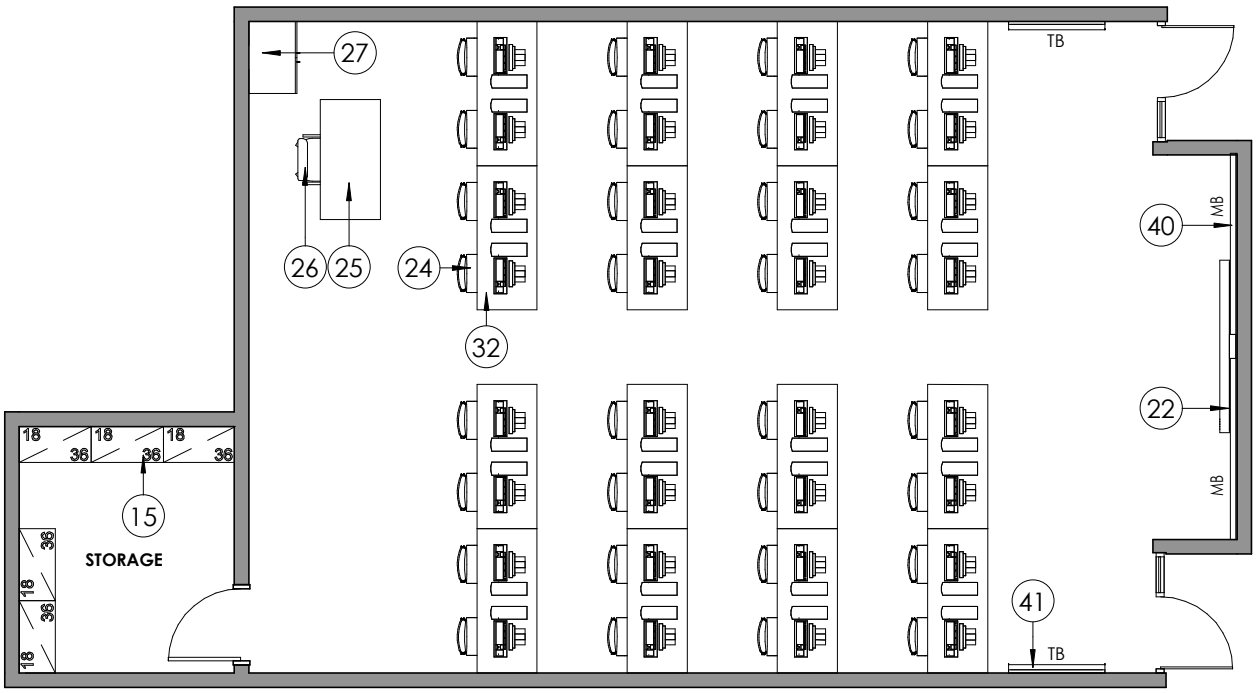
OPTION 1

CONTINUOUS MAGNETIC, MARKER SURFACE, TOP TO BOTTOM

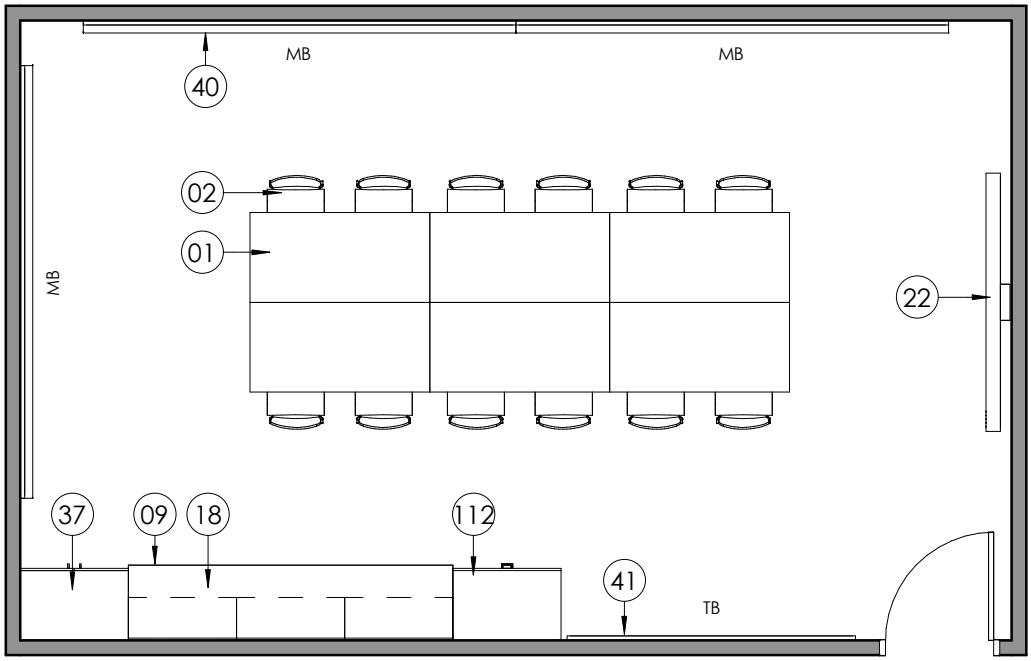


OPTION 2

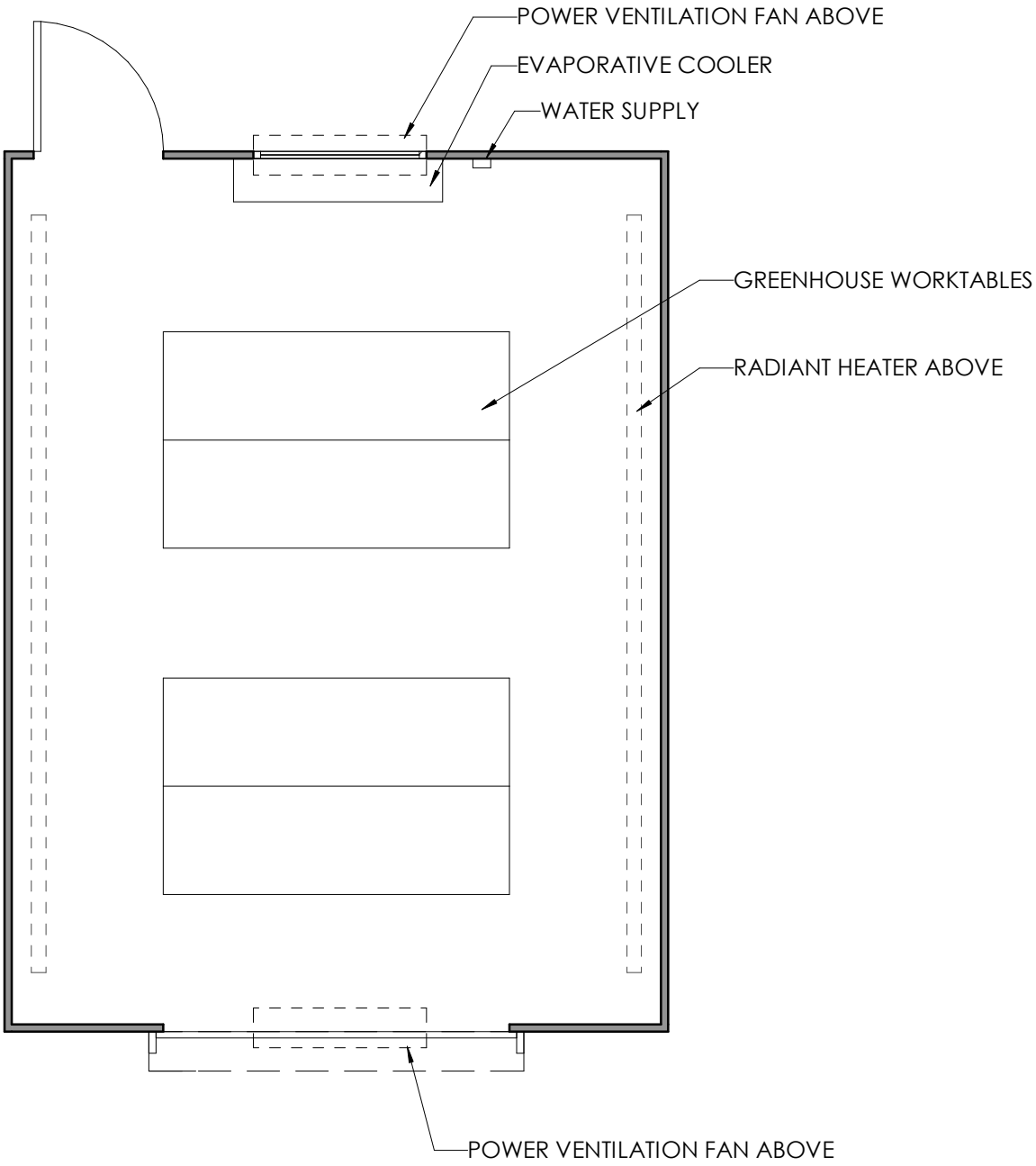
SURFACE MAY VARY BY PANEL AND BY SIDE:
MARKER SURFACE
TACK SURFACE
VINYL
OTHER

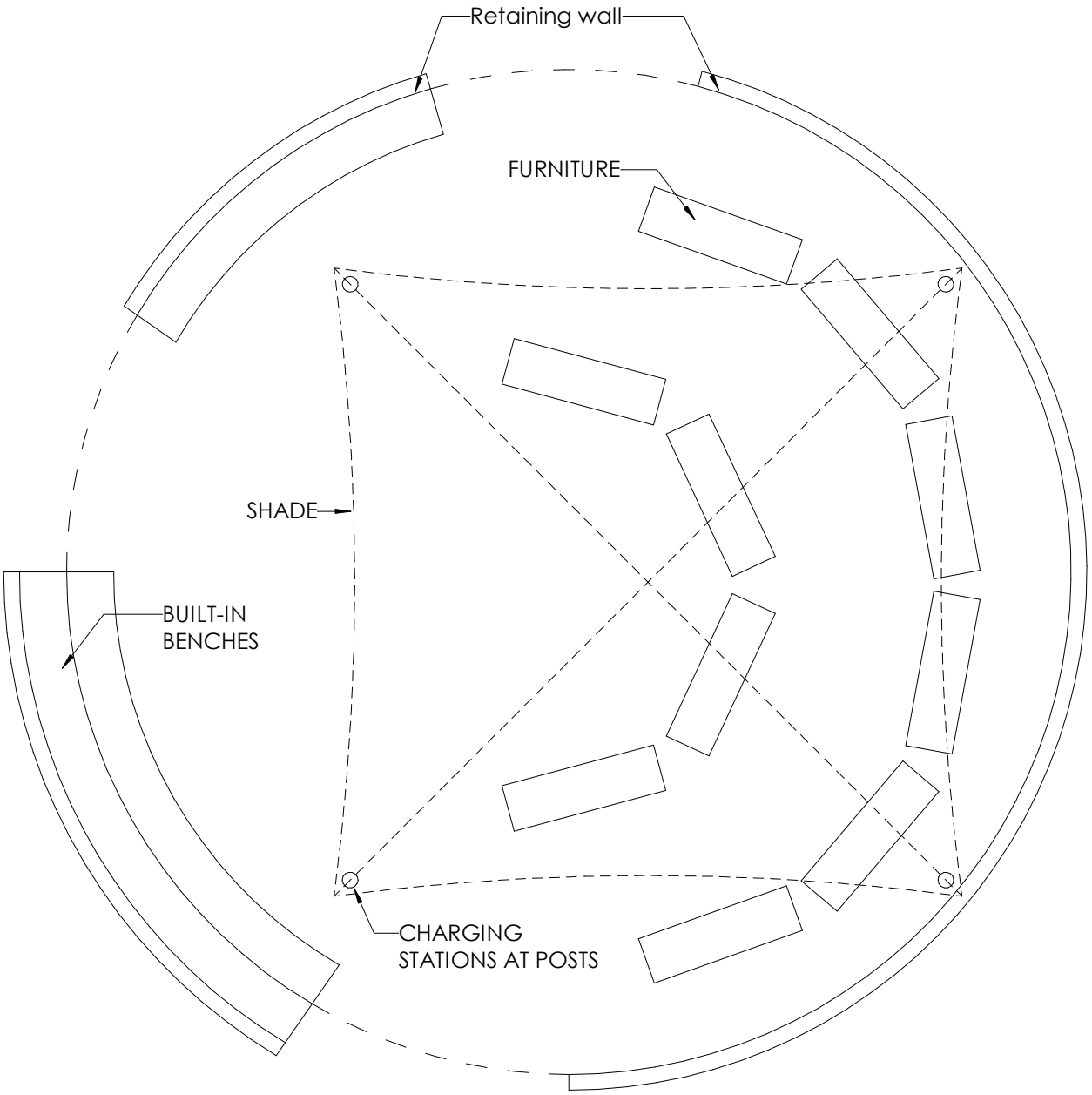


KEYNOTE	
ITEM #	**ITEM**
15	METAL SHELVES
22	INTERACTIVE DISPLAY SCREEN
24	STUDENT CHAIR
25	TEACHER DESK
26	TEACHER CHAIR
27	TEACHER WARDROBE
32	COMPUTER DESK
40	MARKERBOARD
41	TACKBOARD

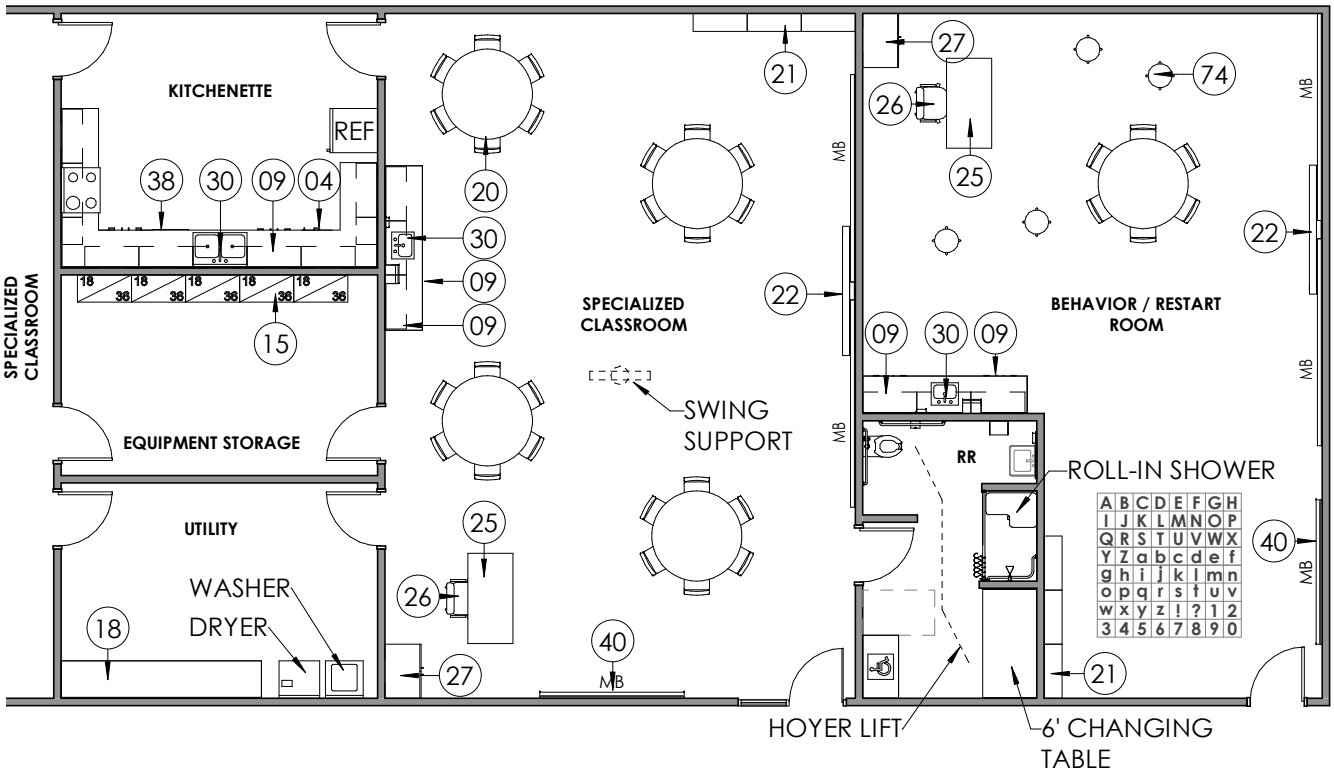


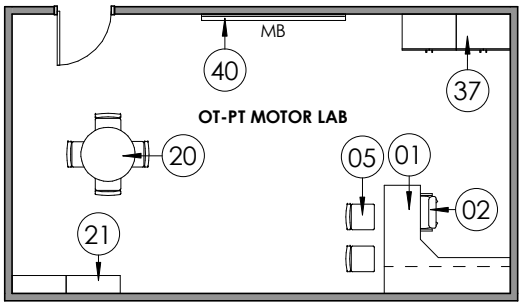
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
09	UPPER AND LOWER CABINETS
18	COUNTER
22	INTERACTIVE DISPLAY SCREEN
37	TALL STORAGE
40	MARKERBOARD
41	TACKBOARD
112	FILE CABINET


POWER VENTILATION FAN ABOVE
EVAPORATIVE COOLER
WATER SUPPLY
GREENHOUSE WORKTABLES
RADIANT HEATER ABOVE
POWER VENTILATION FAN ABOVE



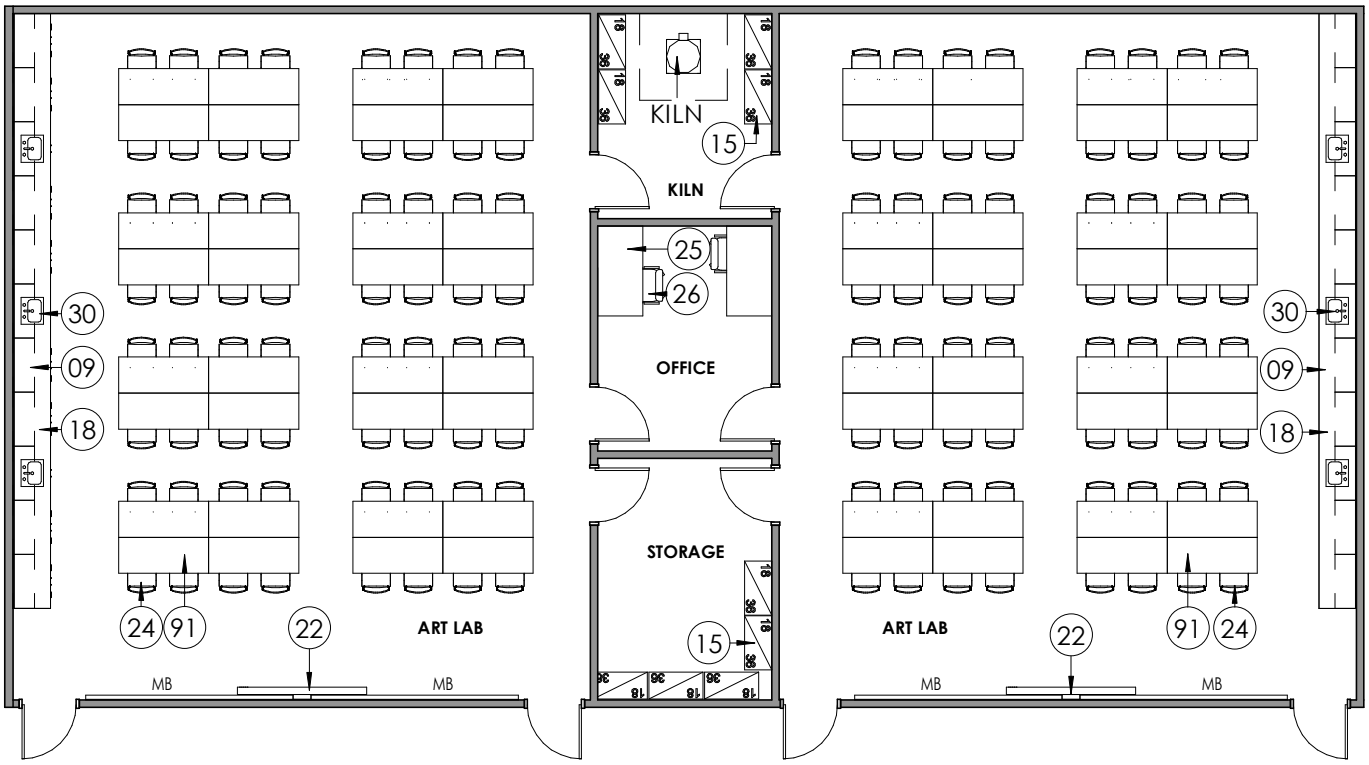
1. Shade
2. Fixed seating
3. Mobile tables and seating
4. Charging stations
5. Secura area (courtyard, screen wall, or fence





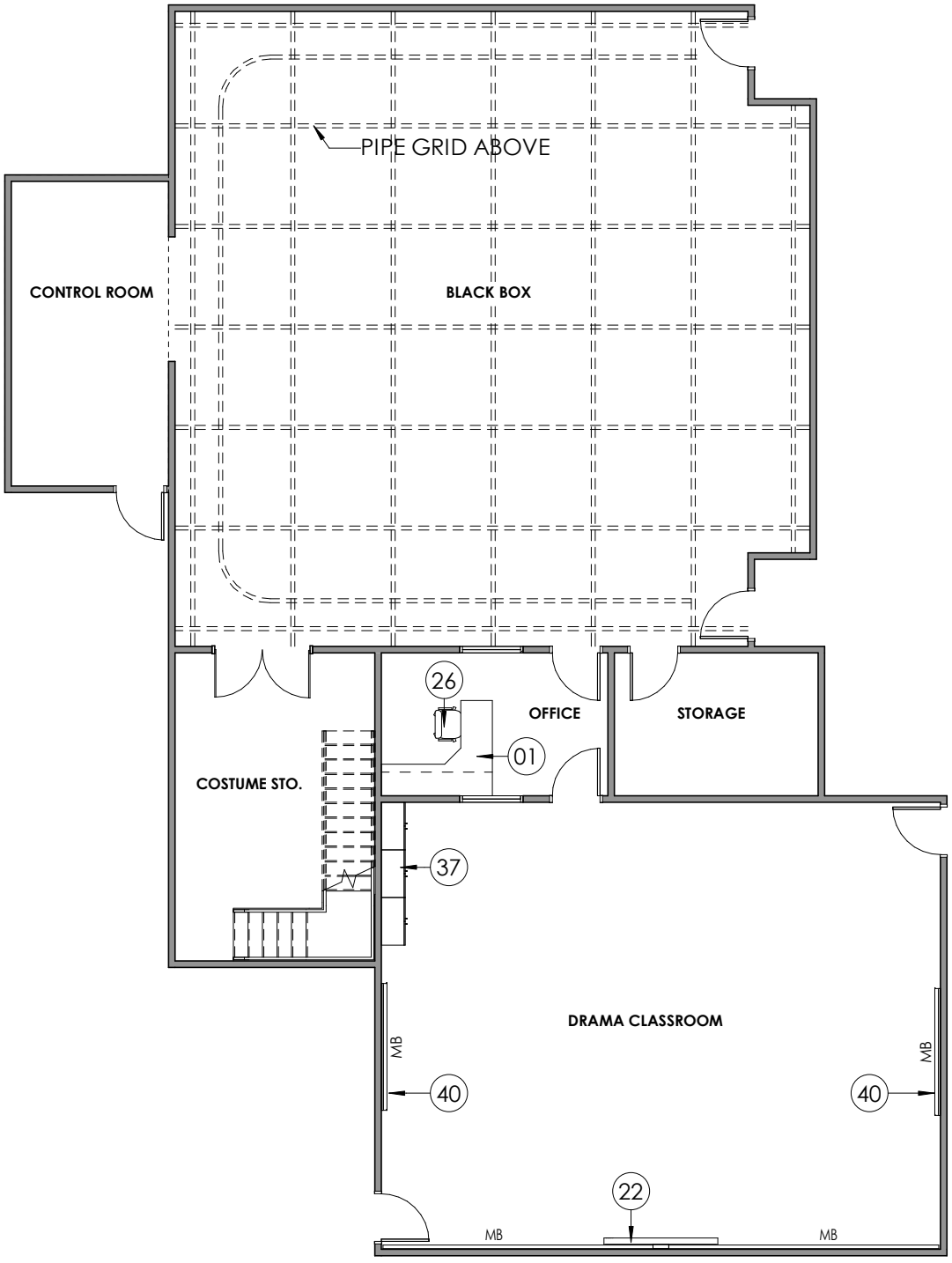
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
04	CABINET
05	GUEST CHAIR
09	UPPER AND LOWER CABINETS
15	METAL SHELVES
18	COUNTER
20	TABLE AND CHAIRS
21	BOOKCASE
22	INTERACTIVE DISPLAY SCREEN

KEYNOTE	
ITEM #	**ITEM**
25	TEACHER DESK
26	TEACHER CHAIR
27	TEACHER WARDROBE
30	ACCESSIBLE SINK
37	TALL STORAGE
38	DISHWASHER
40	MARKERBOARD
74	STOOL

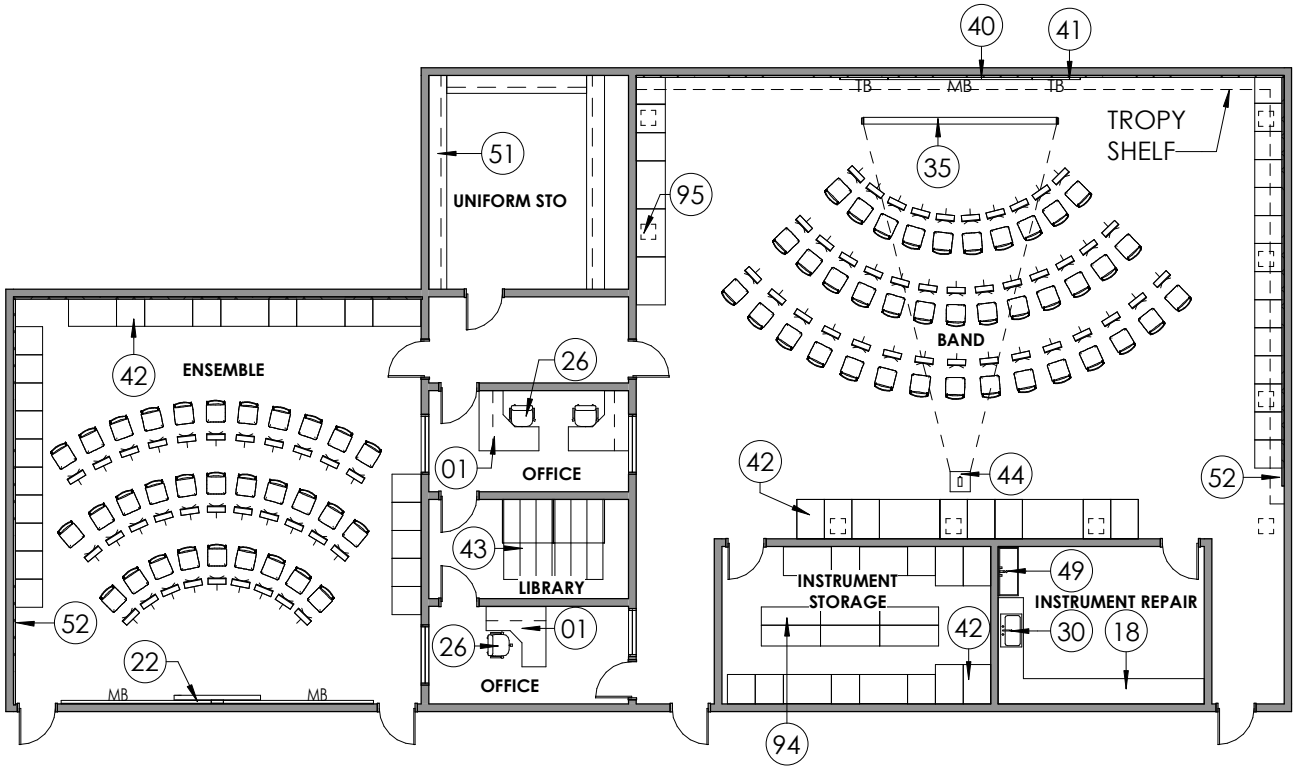


Provide drying racks.

KEYNOTE	
ITEM #	**ITEM**
09	UPPER AND LOWER CABINETS
15	METAL SHELVES
18	COUNTER
22	INTERACTIVE DISPLAY SCREEN
24	STUDENT CHAIR
25	TEACHER DESK
26	TEACHER CHAIR
30	ACCESSIBLE SINK
91	ART TABLE

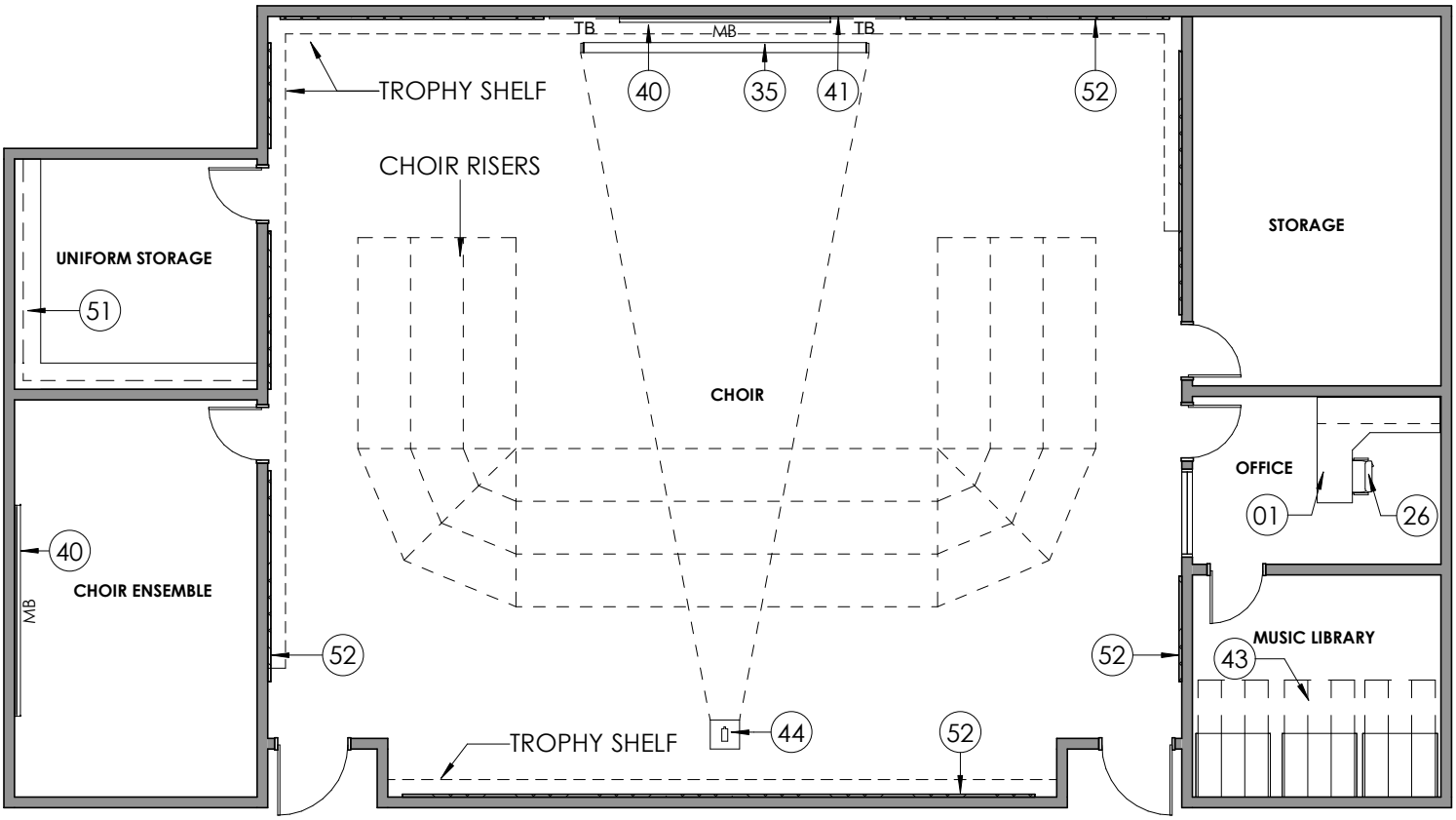


KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
22	INTERACTIVE DISPLAY SCREEN
26	TEACHER CHAIR
37	TALL STORAGE
40	MARKERBOARD

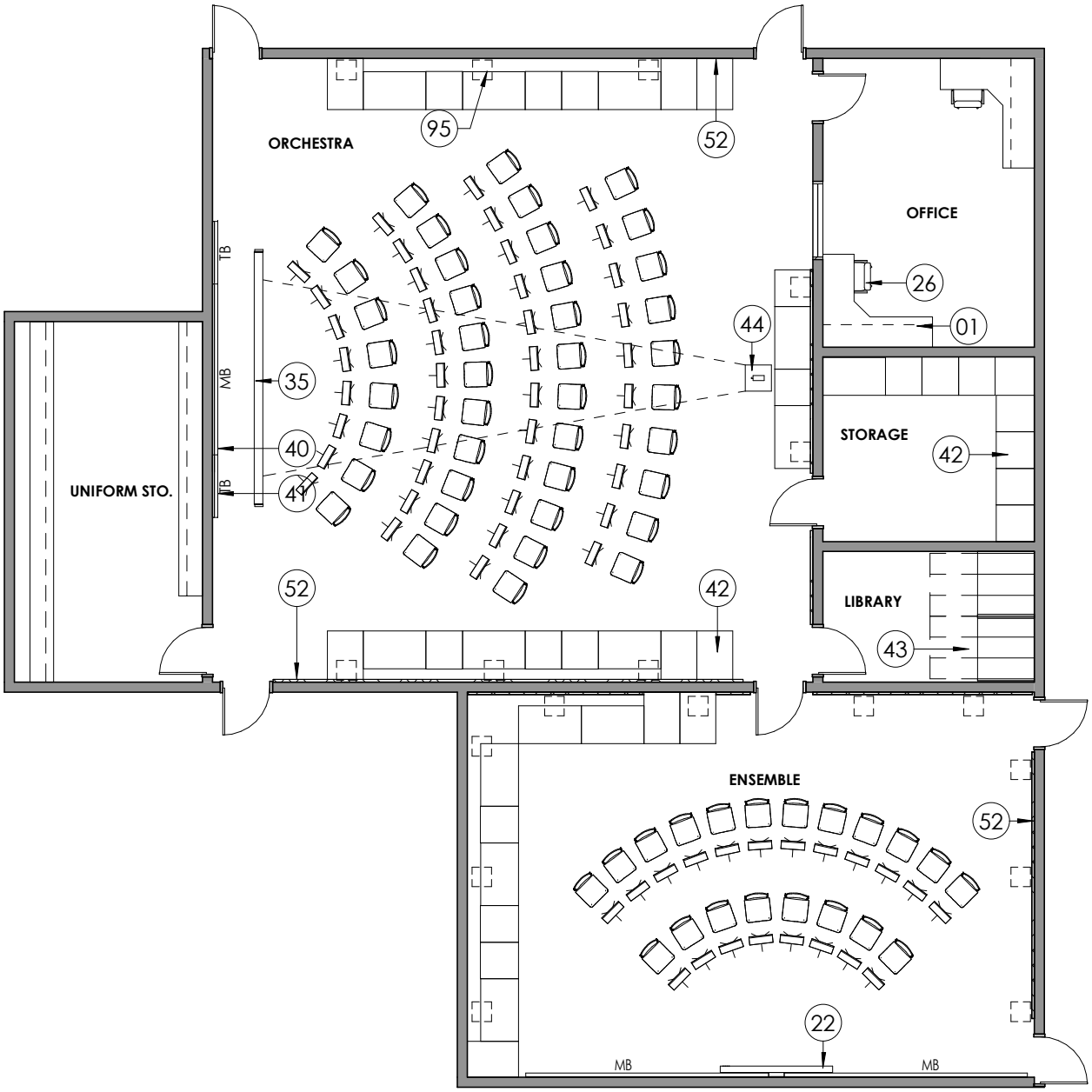


KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
18	COUNTER
22	INTERACTIVE DISPLAY SCREEN
26	TEACHER CHAIR
30	ACCESSIBLE SINK
35	GREEN SCREEN
40	MARKERBOARD
41	TACKBOARD

KEYNOTE	
ITEM #	**ITEM**
42	INSTRUMENT STORAGE
43	SHEET MUSIC STORAGE
44	PROJECTOR
49	UTILITY SINK
51	SHELF AND POLE
52	ACOUSTICAL WALL PANEL
94	MARIMBA
95	SOUND SYSTEM

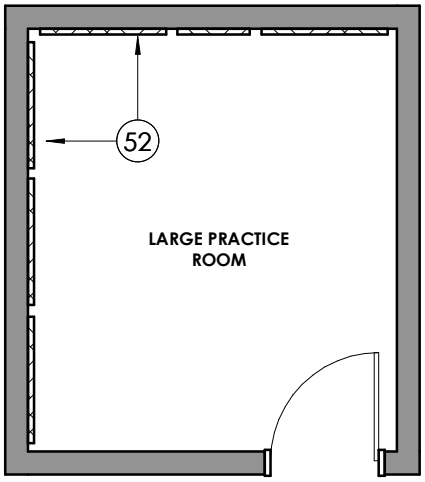


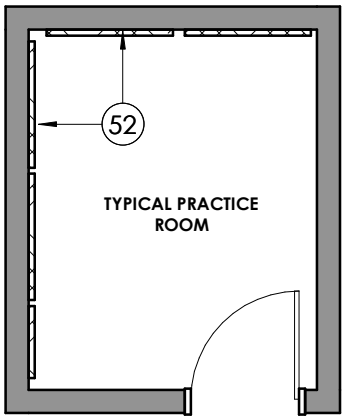
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
26	TEACHER CHAIR
35	GREEN SCREEN
40	MARKERBOARD
41	TACKBOARD
43	SHEET MUSIC STORAGE
44	PROJECTOR
51	SHELF AND POLE
52	ACOUSTICAL WALL PANEL



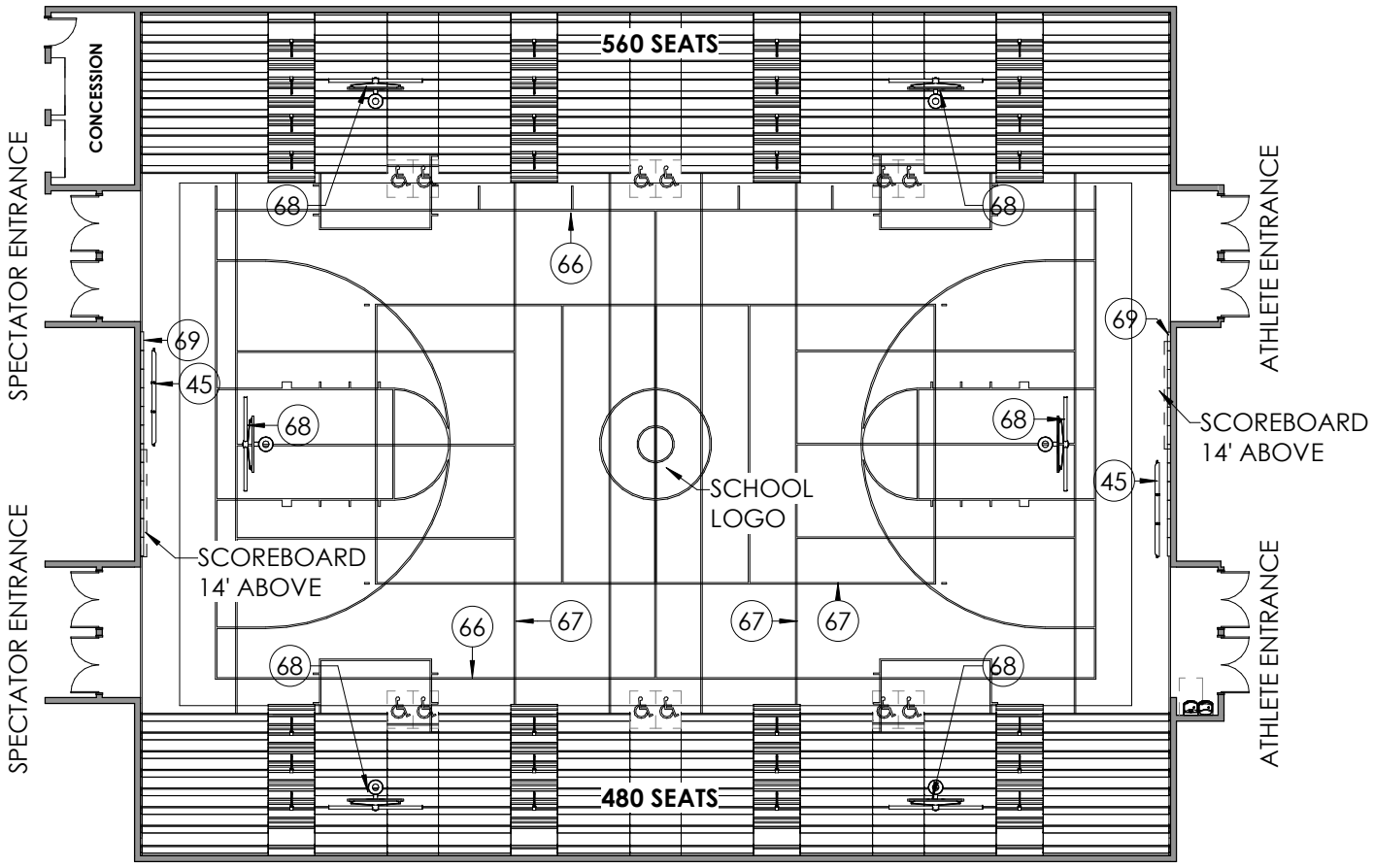
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
22	INTERACTIVE DISPLAY SCREEN
26	TEACHER CHAIR
35	GREEN SCREEN
40	MARKERBOARD
41	TACKBOARD

KEYNOTE	
ITEM #	**ITEM**
42	INSTRUMENT STORAGE
43	SHEET MUSIC STORAGE
44	PROJECTOR
52	ACOUSTICAL WALL PANEL
95	SOUND SYSTEM





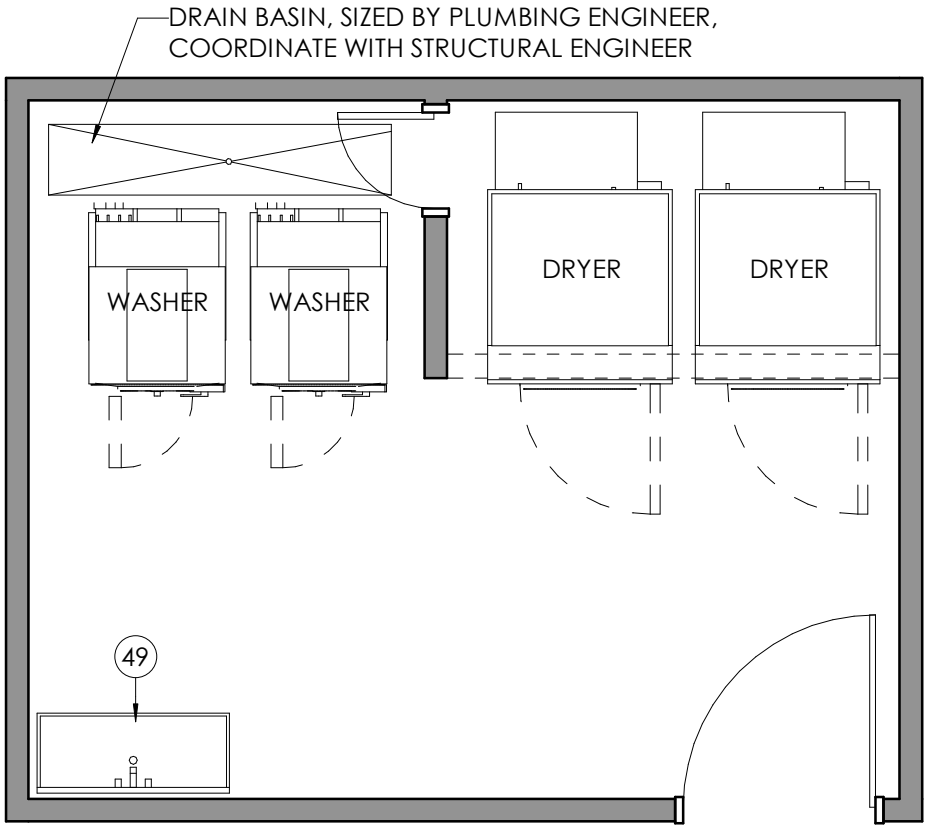
KEYNOTE	
ITEM #	**ITEM**
52	ACOUSTICAL WALL PANEL



1,040 TOTAL SEATS

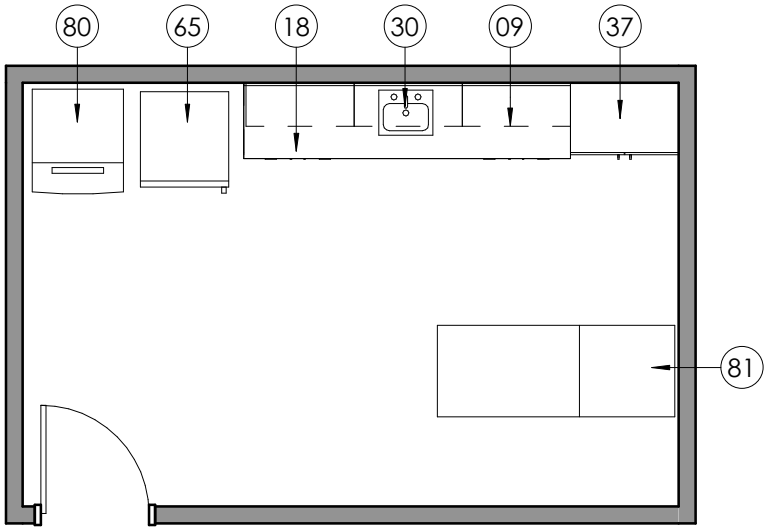
1. Main Basketball Court 94' x 50'
2. Cross Basketball Courts 84' x 50'

KEYNOTE	
ITEM #	**ITEM**
45	MOTORIZED PROJECTION SCREEN
66	BASKETBALL COURT
67	VOLLEYBALL COURT STRIPING AND INSERTS
68	FOLDING BASKETBALL GOAL AND BACKSTOP
69	WALL SAFETY PADS

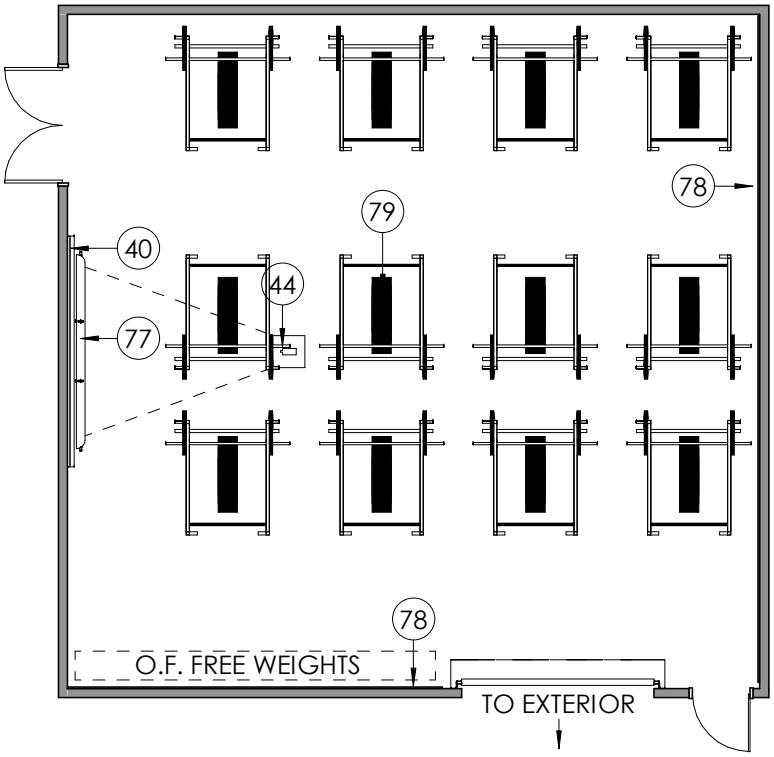


1. Two 50-60 pound washers.
2. Two 60-75 pound dryers.
3. Coordinate door size with equipment size.

KEYNOTE	
ITEM #	**ITEM**
49	UTILITY SINK

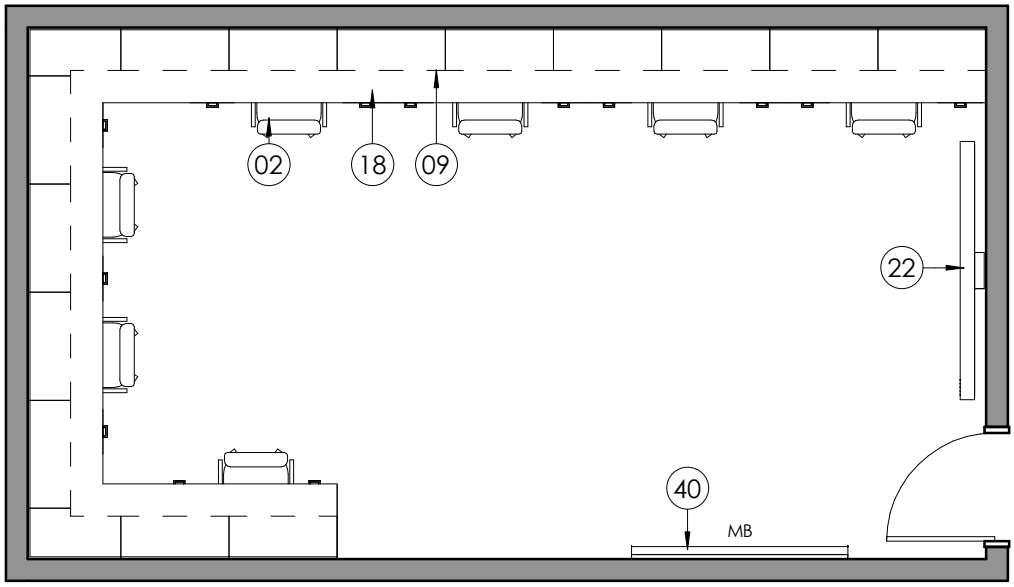


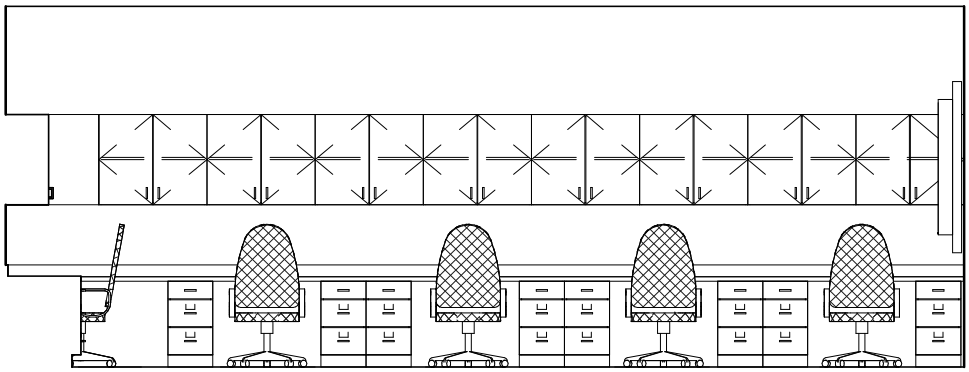
KEYNOTE	
ITEM #	**ITEM**
09	UPPER AND LOWER CABINETS
18	COUNTER
30	ACCESSIBLE SINK
37	TALL STORAGE
65	REFRIGERATOR
80	ICE MACHINE
81	TREATMENT TABLE



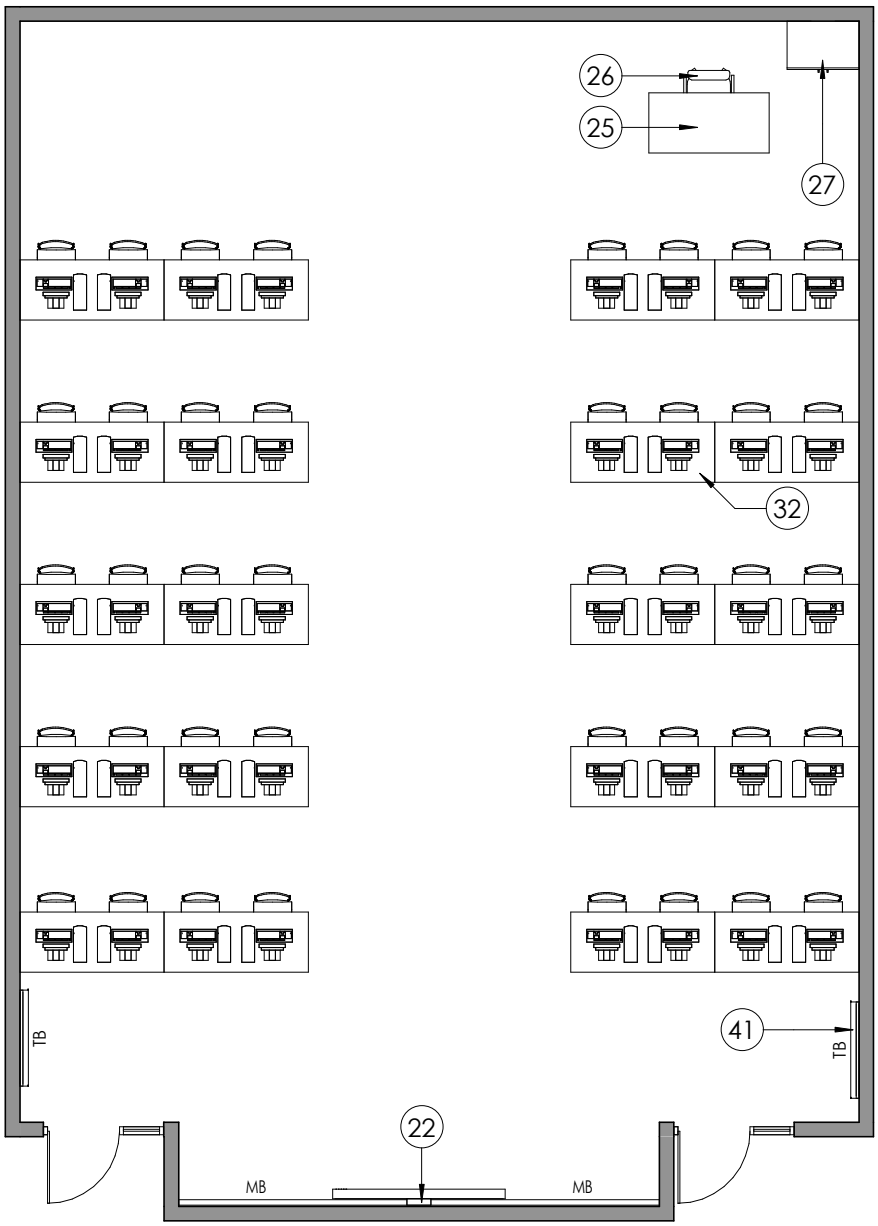
Sound system

KEYNOTE	
ITEM #	**ITEM**
40	MARKERBOARD
44	PROJECTOR
77	MANUAL PROJECTION SCREEN
78	FULL HEIGHT, FULL LENGTH MIRROR
79	WEIGHT LIFTING EQUIPMENT

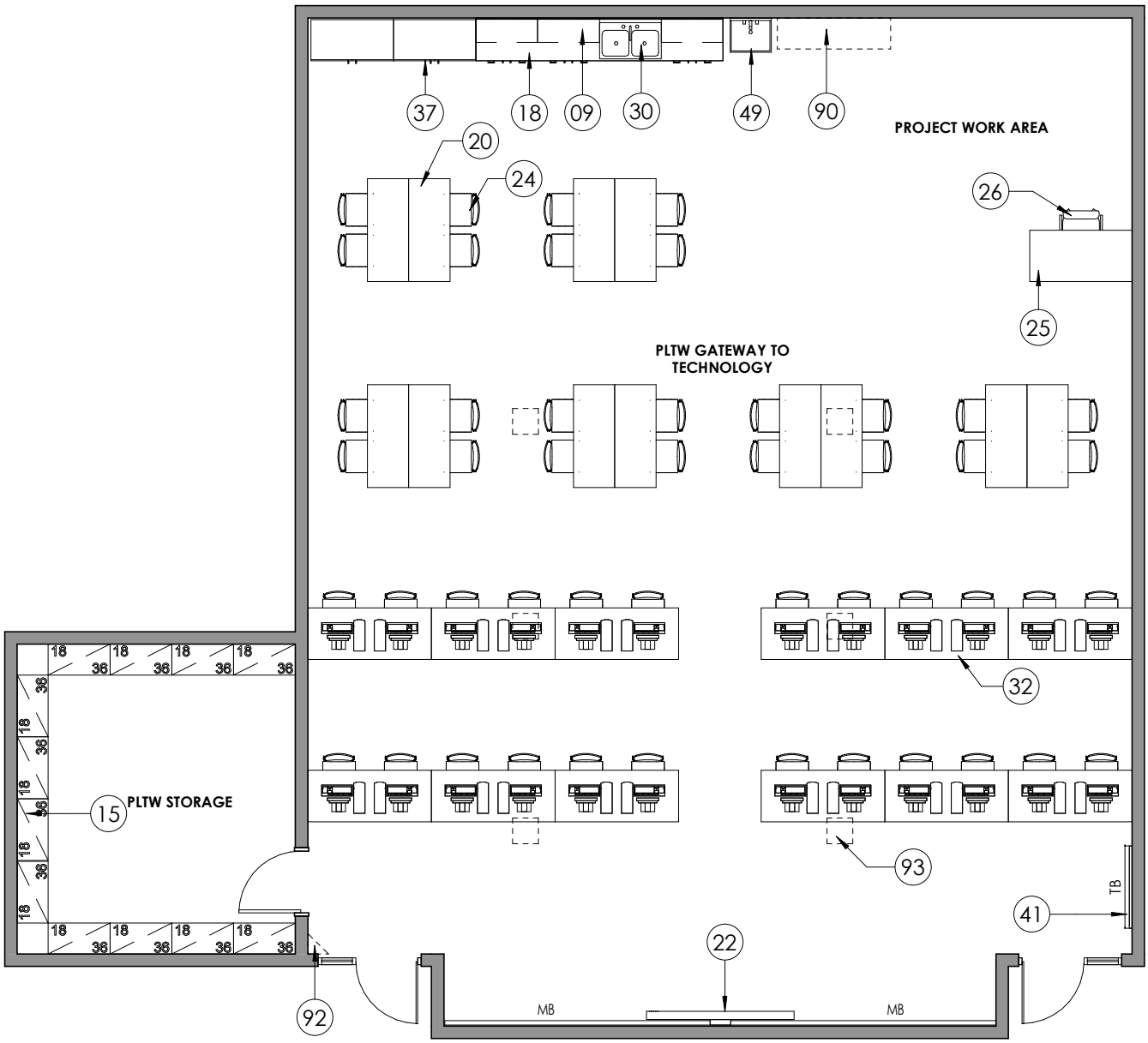




KEYNOTE	
ITEM #	**ITEM**
02	DESK CHAIR
09	UPPER AND LOWER CABINETS
18	COUNTER
22	INTERACTIVE DISPLAY SCREEN
40	MARKERBOARD



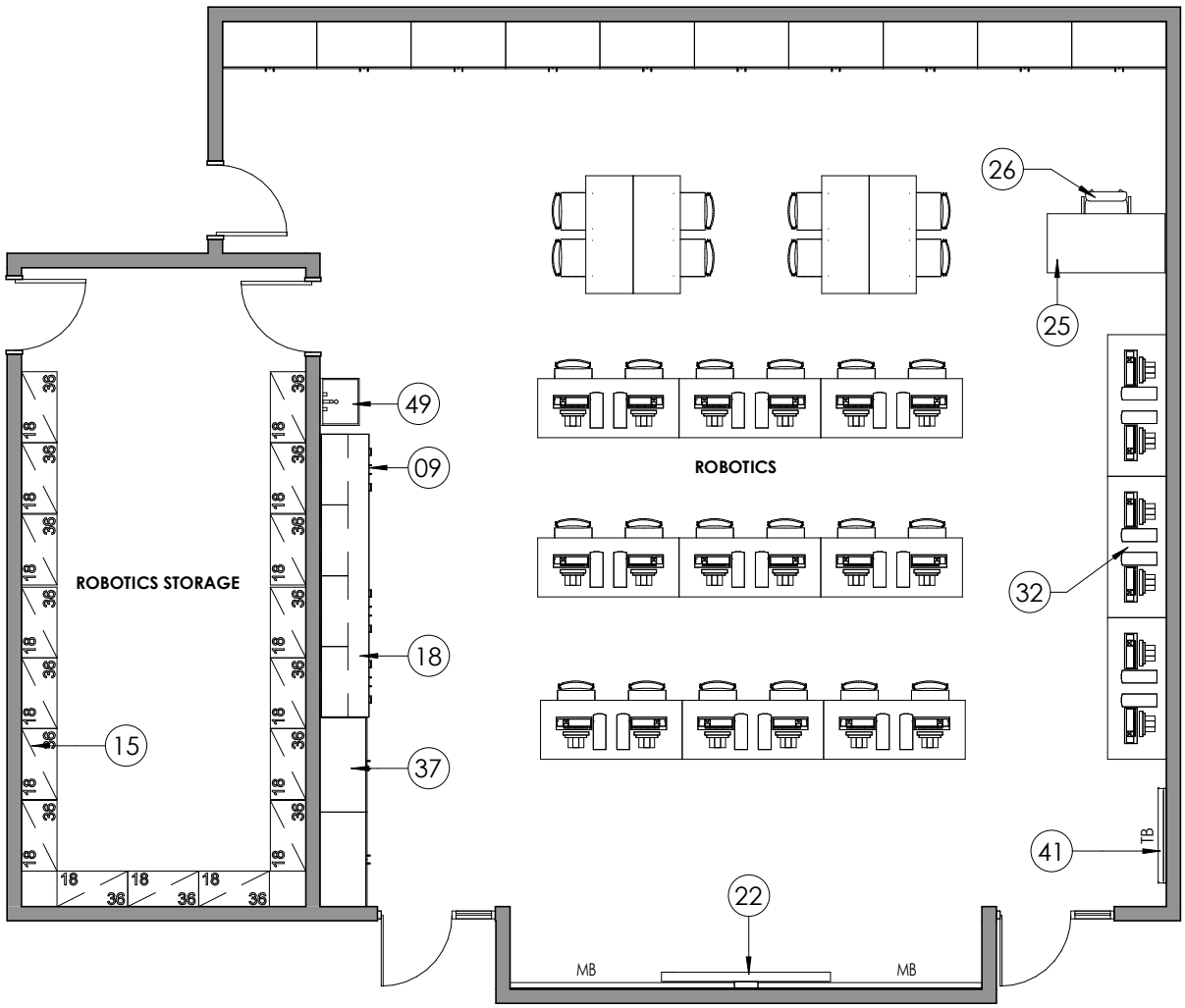
KEYNOTE	
ITEM #	**ITEM**
22	INTERACTIVE DISPLAY SCREEN
25	TEACHER DESK
26	TEACHER CHAIR
27	TEACHER WARDROBE
32	COMPUTER DESK
41	TACKBOARD



1. Provide 24 computer stations in PLTW labs.
2. Mobile charging.
3. Power reels.

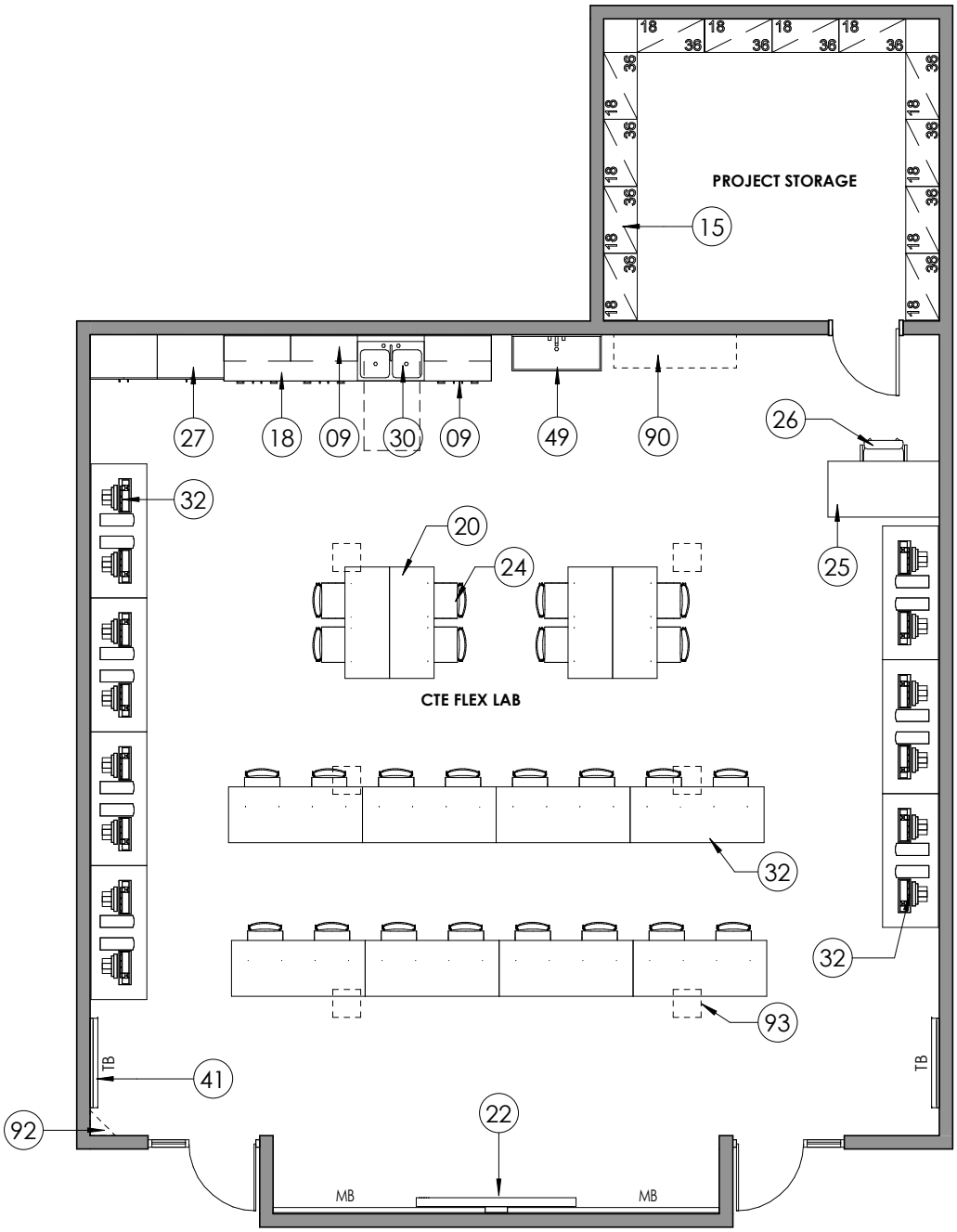
KEYNOTE	
ITEM #	**ITEM**
09	UPPER AND LOWER CABINETS
15	METAL SHELVES
18	COUNTER
20	TABLE AND CHAIRS
22	INTERACTIVE DISPLAY SCREEN
24	STUDENT CHAIR
25	TEACHER DESK
26	TEACHER CHAIR

KEYNOTE	
ITEM #	**ITEM**
30	ACCESSIBLE SINK
32	COMPUTER DESK
37	TALL STORAGE
41	TACKBOARD
49	UTILITY SINK
90	POWER FOR OF EQUIP
92	STUDENT DEVICE CHARGING STATION
93	OVERHEAD POWER REEL



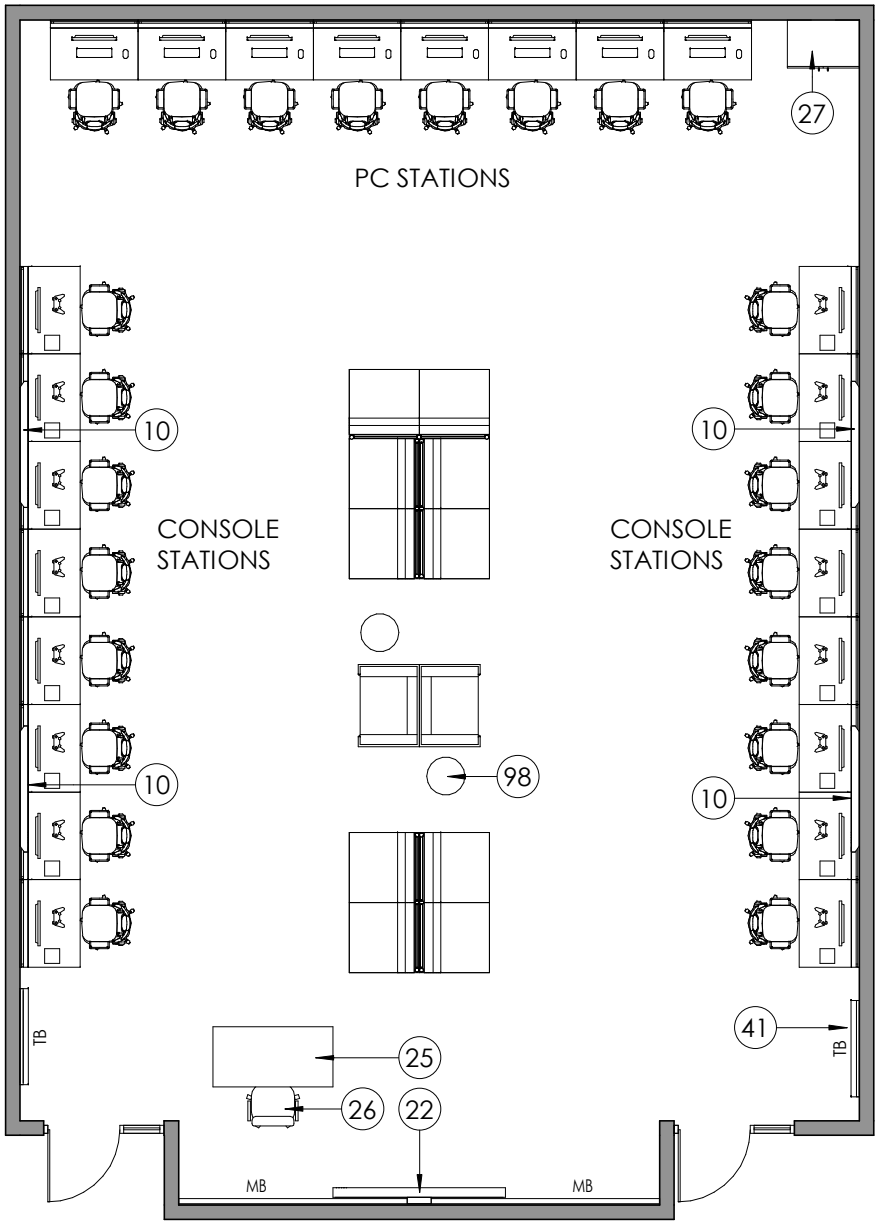
KEYNOTE	
ITEM #	**ITEM**
09	UPPER AND LOWER CABINETS
15	METAL SHELVES
18	COUNTER
22	INTERACTIVE DISPLAY SCREEN
25	TEACHER DESK

KEYNOTE	
ITEM #	**ITEM**
26	TEACHER CHAIR
32	COMPUTER DESK
37	TALL STORAGE
41	TACKBOARD
49	UTILITY SINK



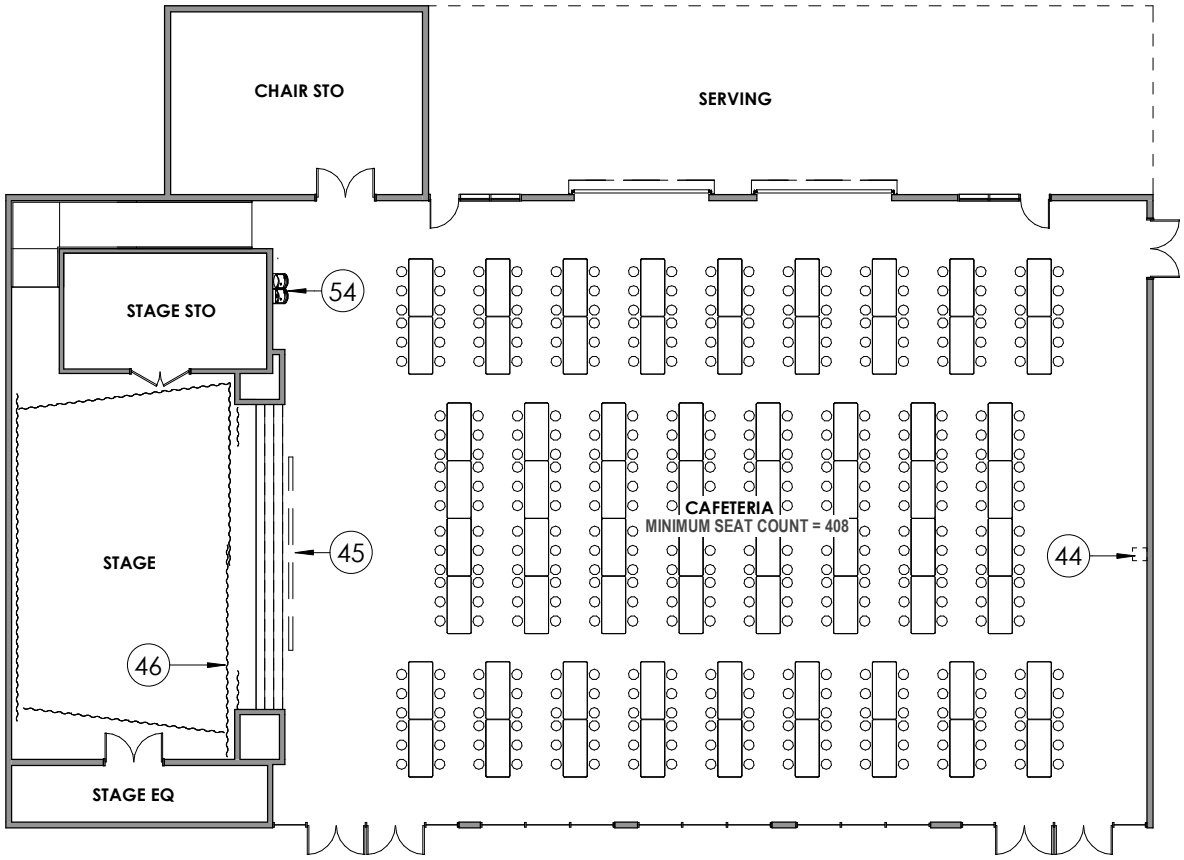
KEYNOTE	
ITEM #	**ITEM**
09	UPPER AND LOWER CABINETS
15	METAL SHELVES
18	COUNTER
20	TABLE AND CHAIRS
22	INTERACTIVE DISPLAY SCREEN
24	STUDENT CHAIR
25	TEACHER DESK
26	TEACHER CHAIR

KEYNOTE	
ITEM #	**ITEM**
27	TEACHER WARDROBE
30	ACCESSIBLE SINK
32	COMPUTER DESK
41	TACKBOARD
49	UTILITY SINK
90	POWER FOR OF EQUIP
92	STUDENT DEVICE CHARGING STATION
93	OVERHEAD POWER REEL



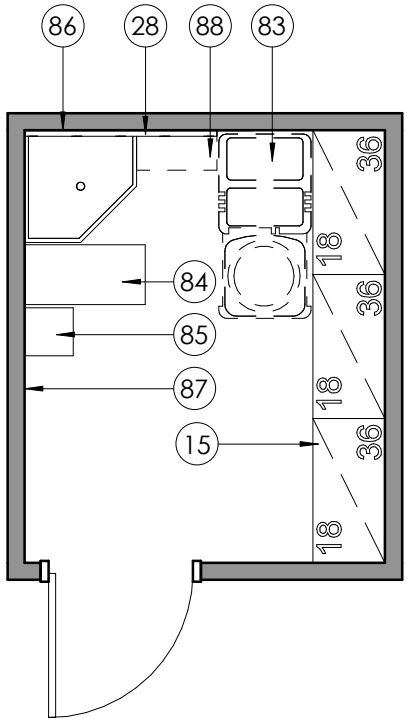
KEYNOTE	
ITEM #	**ITEM**
10	FLAT PANEL DISPLAY
22	INTERACTIVE DISPLAY SCREEN
25	TEACHER DESK
26	TEACHER CHAIR
27	TEACHER WARDROBE
41	TACKBOARD
98	ROLLING SIDE TABLE

Indirect, dimmable light.

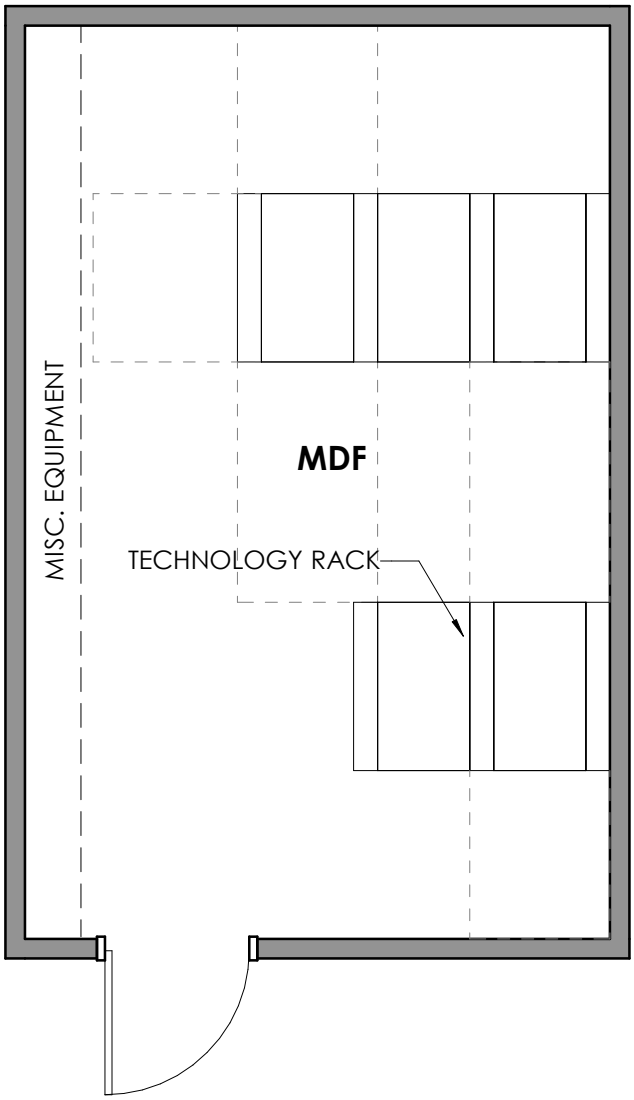


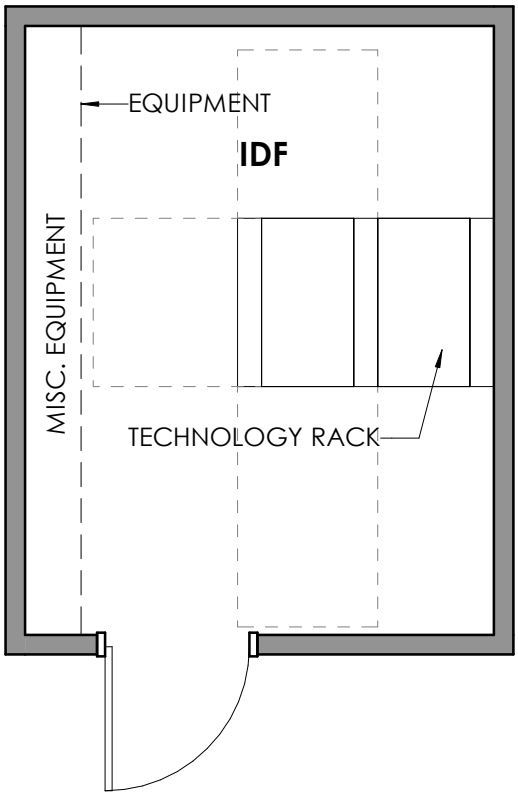
Stained wood sprung stage floor.

KEYNOTE	
ITEM #	**ITEM**
44	PROJECTOR
45	MOTORIZED PROJECTION SCREEN
46	STAGE CURTAIN
54	WATER FOUNTAIN

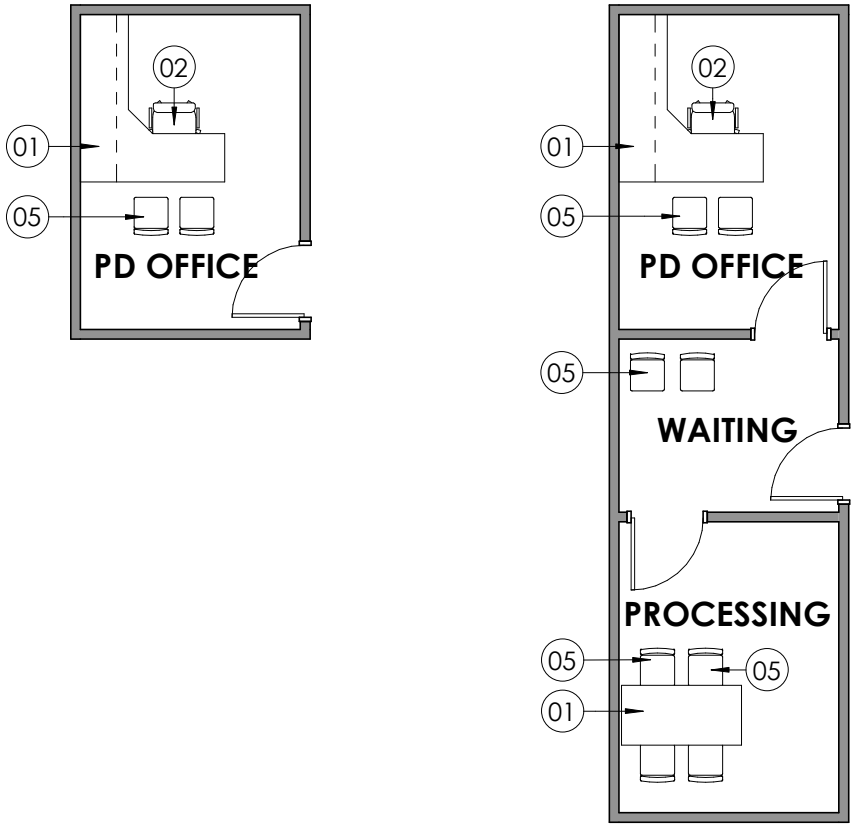


KEYNOTE	
ITEM #	**ITEM**
15	METAL SHELVES
28	MOP AND BROOM HOLDER
83	TRASH CAN CART
84	MOP BUCKET
85	UPRIGHT VACUUM
86	STAINLESS STEEL WALL PANEL
87	POWER RECEPTACLE, CHARGING
88	CLEANING PRODUCT DISPENSER,PROVIDE WATER/POWER,OFCI

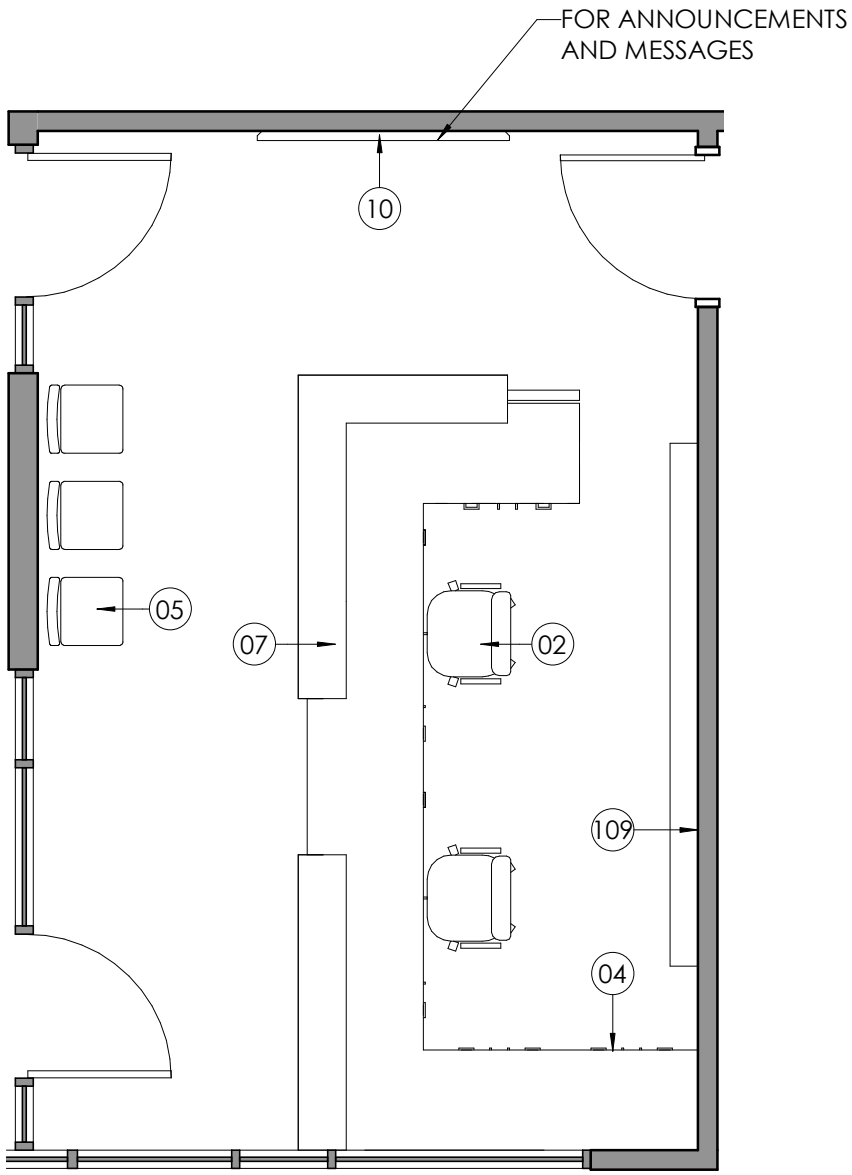




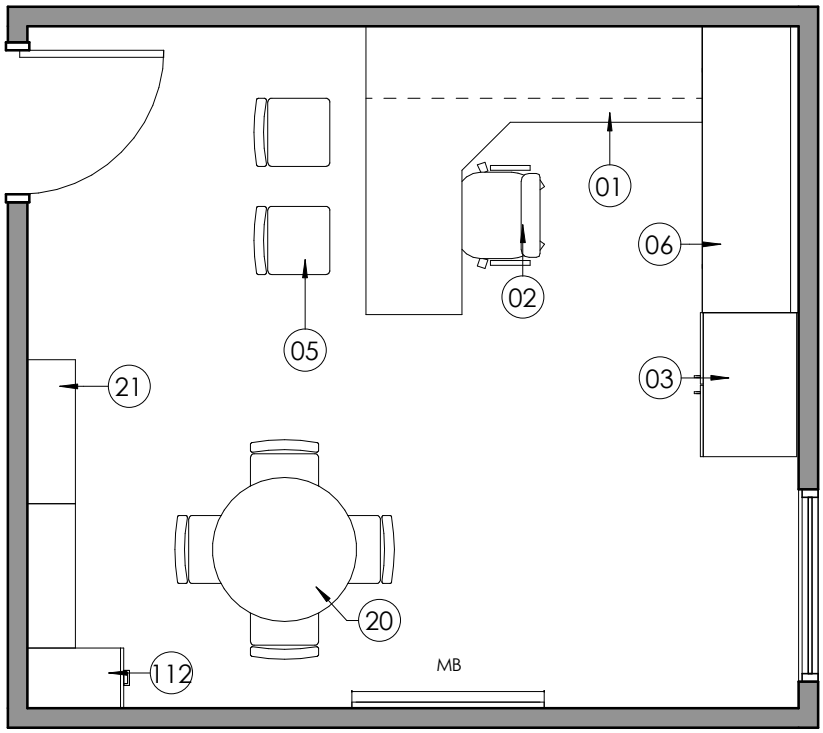
1. Room sizes and technology rack quantity may vary.
2. Card access door hardware.
3. IDF rooms should stack in multi-story wings, if possible.
4. Distance / separation from electrical rooms or other interference.



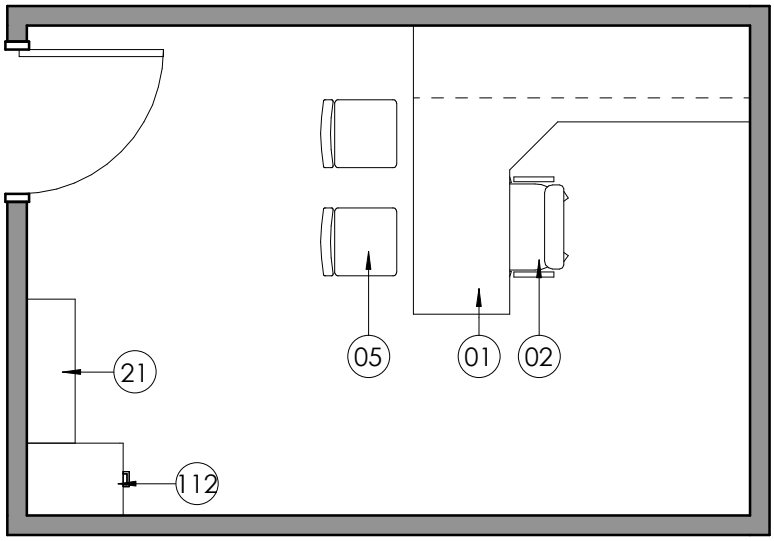
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
05	GUEST CHAIR



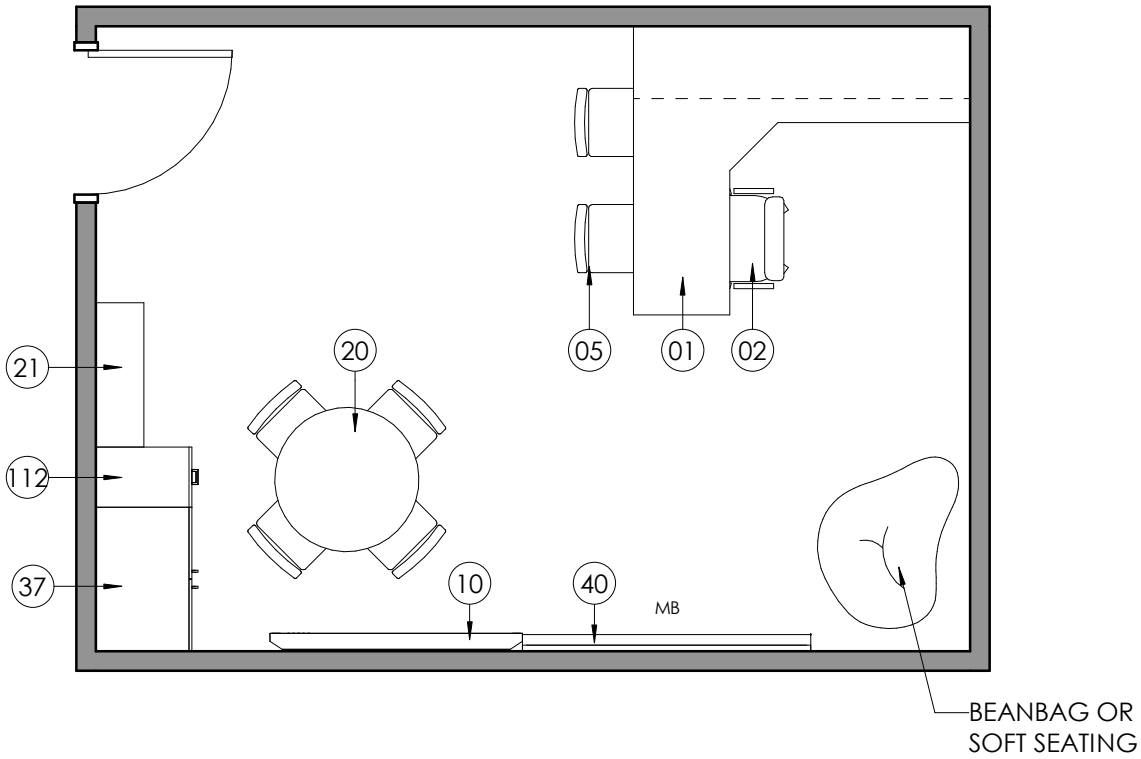
KEYNOTE	
ITEM #	**ITEM**
02	DESK CHAIR
04	CABINET
05	GUEST CHAIR
07	RECEPTION DESK
10	FLAT PANEL DISPLAY
109	SCHOOL SIGN / GRAPHICS



KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
03	WARDROBE
05	GUEST CHAIR
06	CREDENZA
20	TABLE AND CHAIRS
21	BOOKCASE
112	FILE CABINET

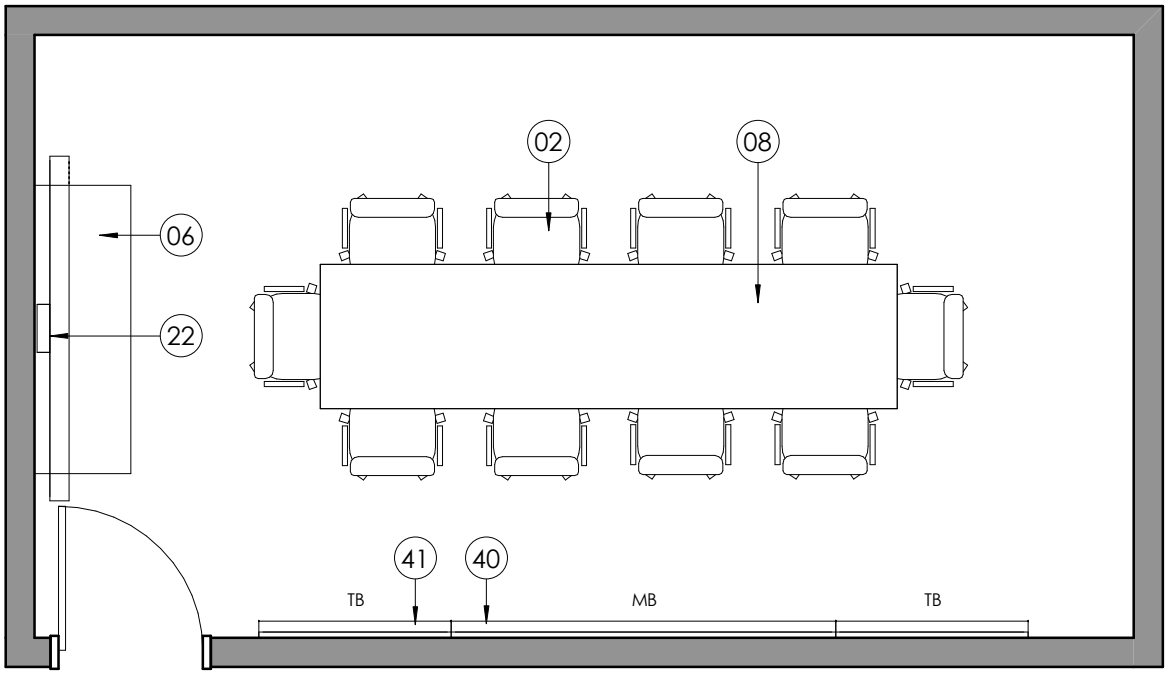


KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
05	GUEST CHAIR
21	BOOKCASE
112	FILE CABINET

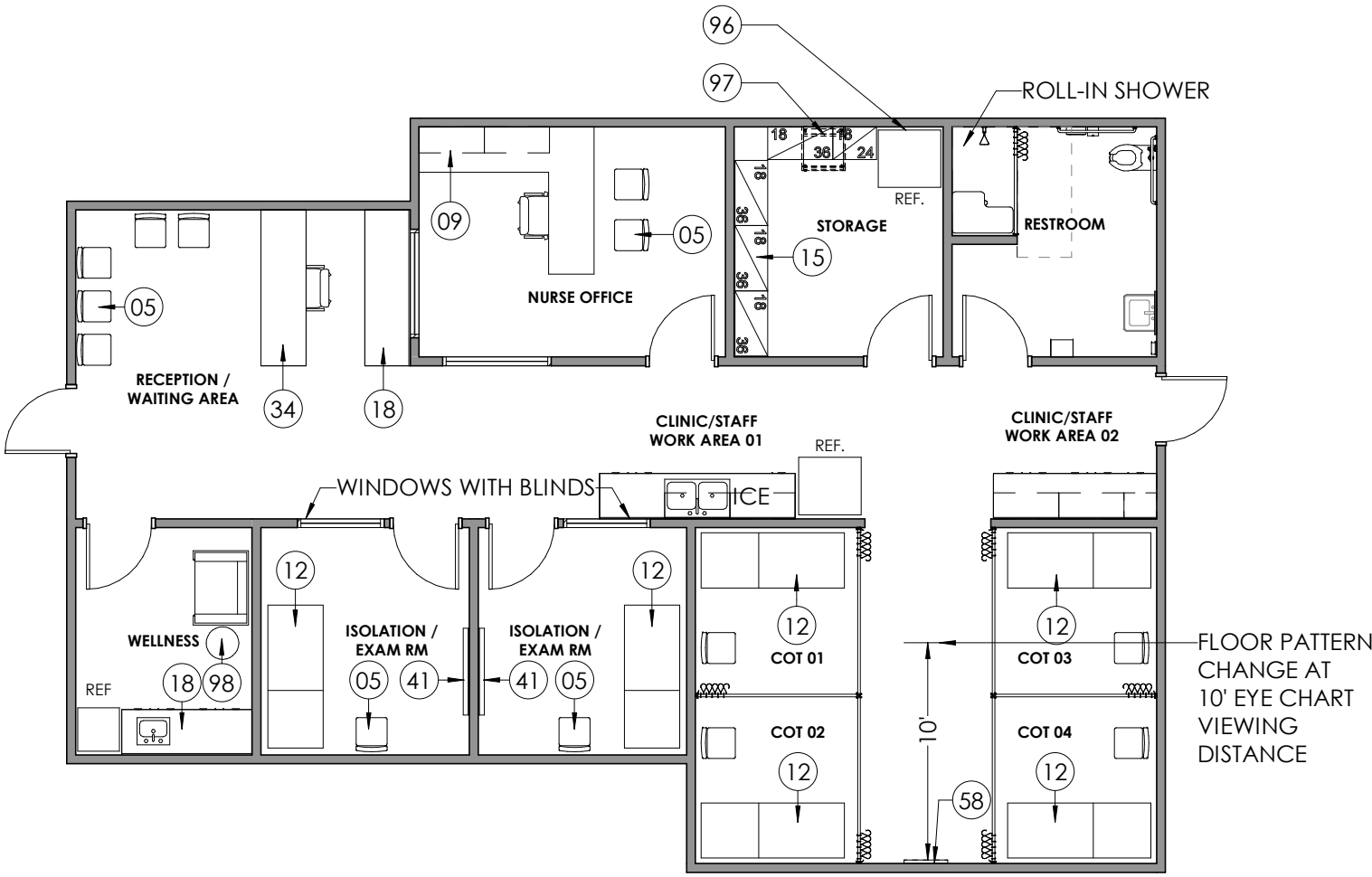


1. Acoustic privacy.
2. Space for four or five student small group meetings.
3. Calm space.
4. Storage for toys, sand tray, art supplies, other manipulatives.
5. Lighting: Dimmable, warm color temperature.
6. Flat panel display to share PowerPoint or other presentation.
7. Conference rooms are not conducive to counseling.

KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
05	GUEST CHAIR
10	FLAT PANEL DISPLAY
20	TABLE AND CHAIRS
21	BOOKCASE
37	TALL STORAGE
40	MARKERBOARD
112	FILE CABINET



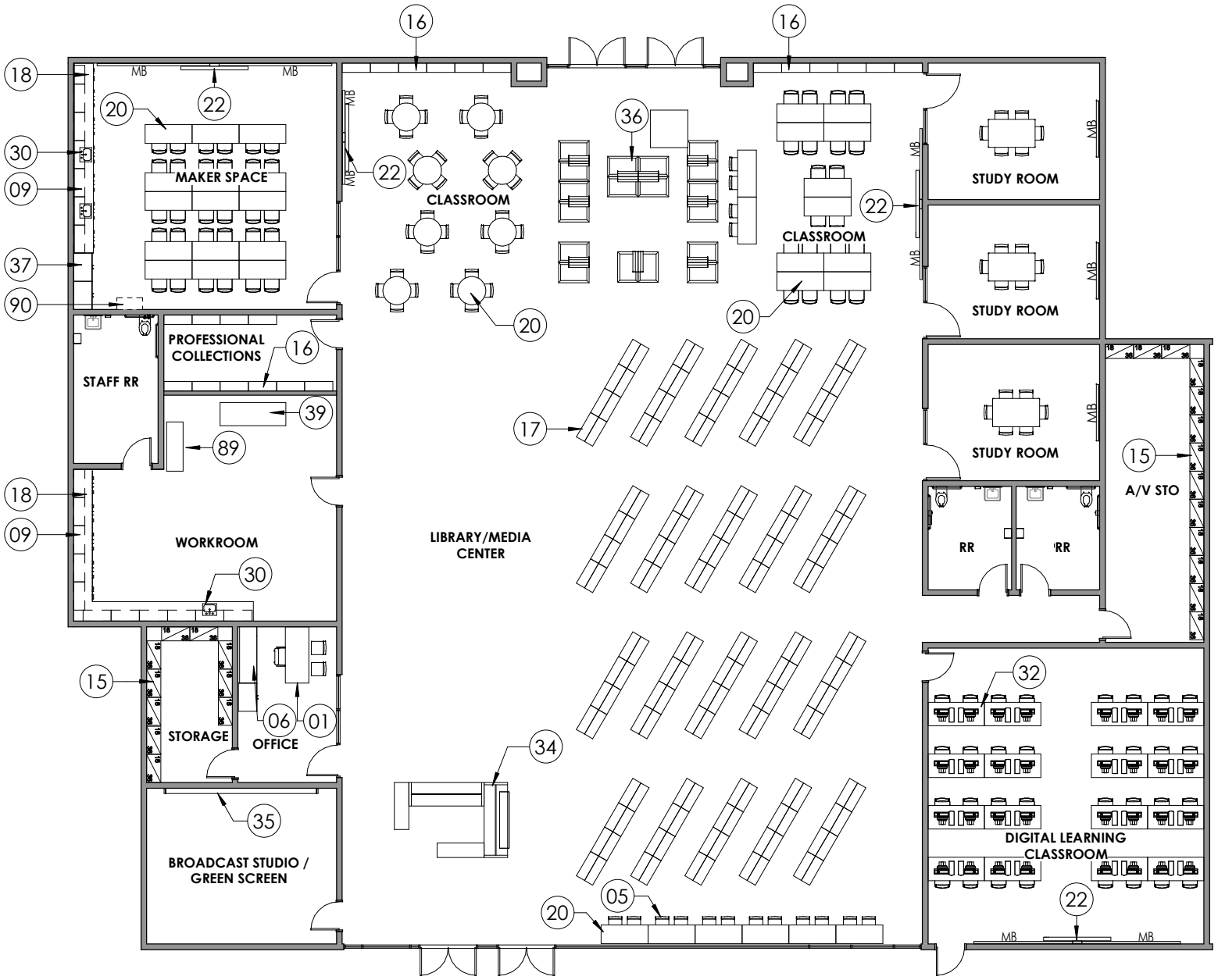
KEYNOTE	
ITEM #	**ITEM**
02	DESK CHAIR
06	CREDENZA
08	CONFERENCE TABLE
22	INTERACTIVE DISPLAY SCREEN
40	MARKERBOARD
41	TACKBOARD



1. All locking cabinets, some tote trays.
2. Eye chart with 10' viewing distance / distance indicator.
3. Trauma "STB" Stop The Bleeding Kit.

KEYNOTE	
ITEM #	**ITEM**
05	GUEST CHAIR
09	UPPER AND LOWER CABINETS
12	COT
15	METAL SHELVES
18	COUNTER
34	CIRCULATION DESK

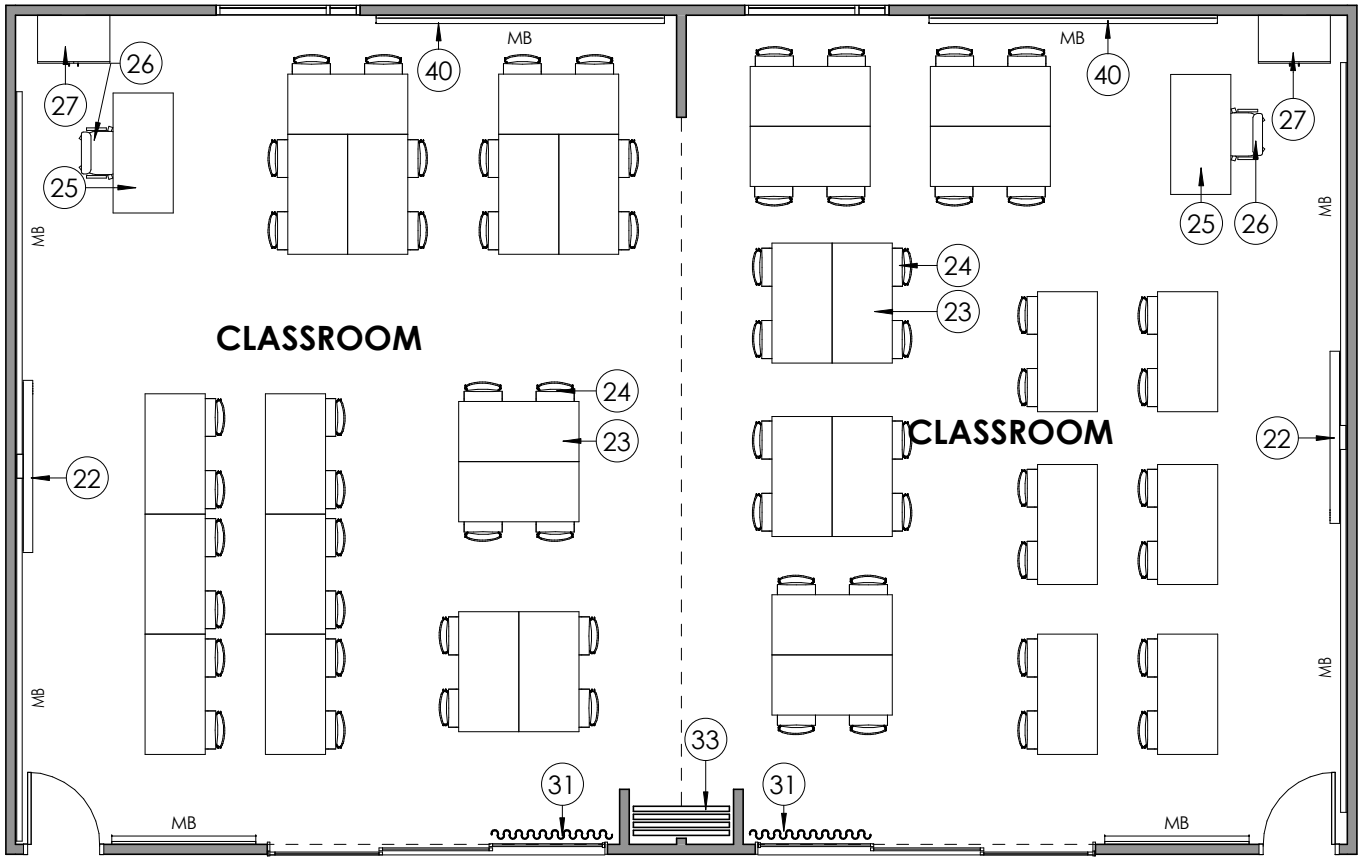
KEYNOTE	
ITEM #	**ITEM**
41	TACKBOARD
58	EYE CHART
96	SECURE MEDICATION FRIDGE
97	SHOT CLINIC FREEZER, OFOI
98	ROLLING SIDE TABLE



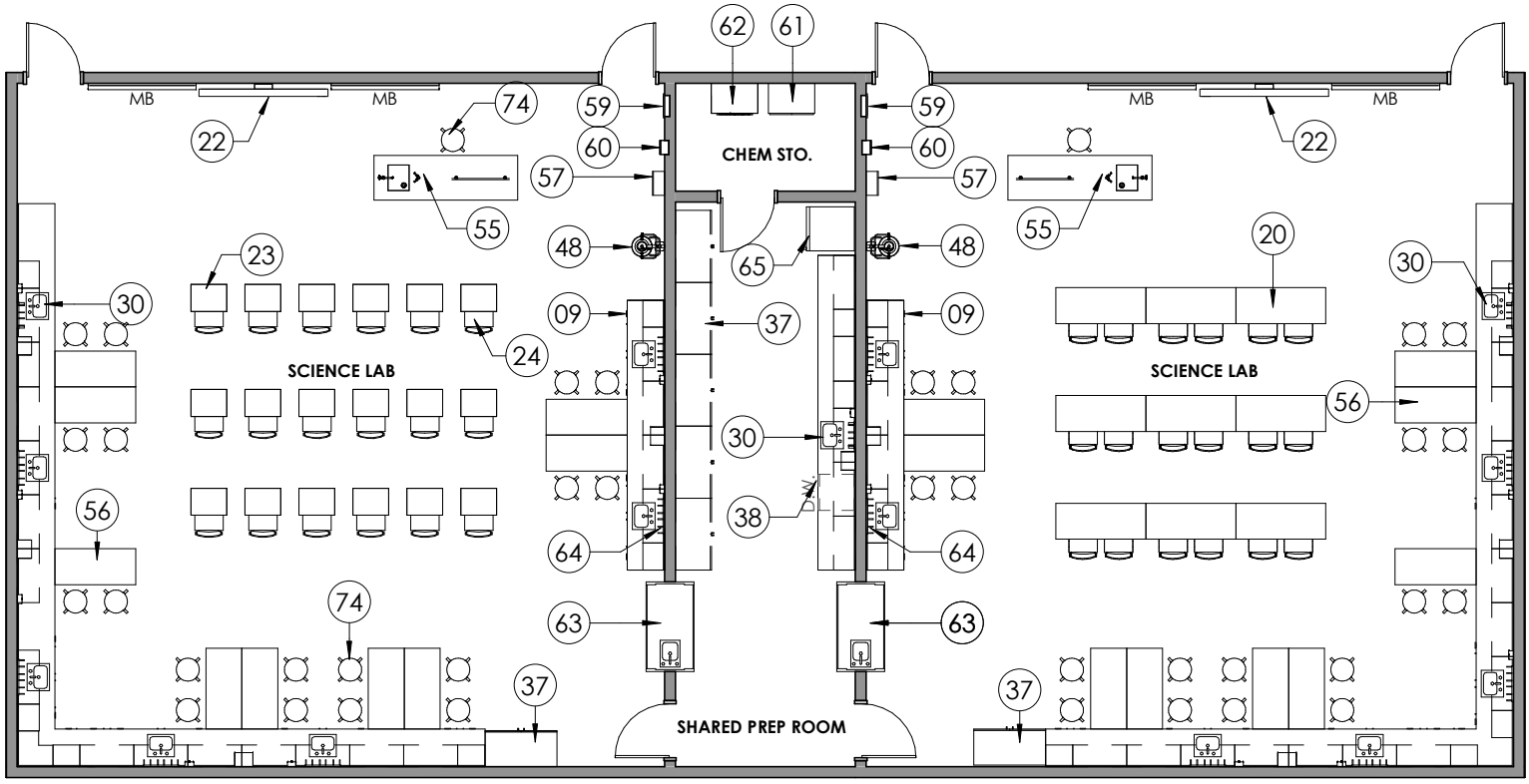
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
05	GUEST CHAIR
06	CREDENZA
09	UPPER AND LOWER CABINETS
15	METAL SHELVES
16	TALL LIBRARY SHELF
17	SHORT MOBILE LIBRARY SHELF
18	COUNTER
20	TABLE AND CHAIRS

KEYNOTE	
ITEM #	**ITEM**
22	INTERACTIVE DISPLAY SCREEN
30	ACCESSIBLE SINK
32	COMPUTER DESK
34	CIRCULATION DESK
35	GREEN SCREEN
36	FURNITURE
37	TALL STORAGE
39	WORK TABLE
89	LAMINATOR,OFOI
90	POWER FOR OF EQUIP

1. BYOD charging stations.
2. Two computer or iPAD stations for student use.

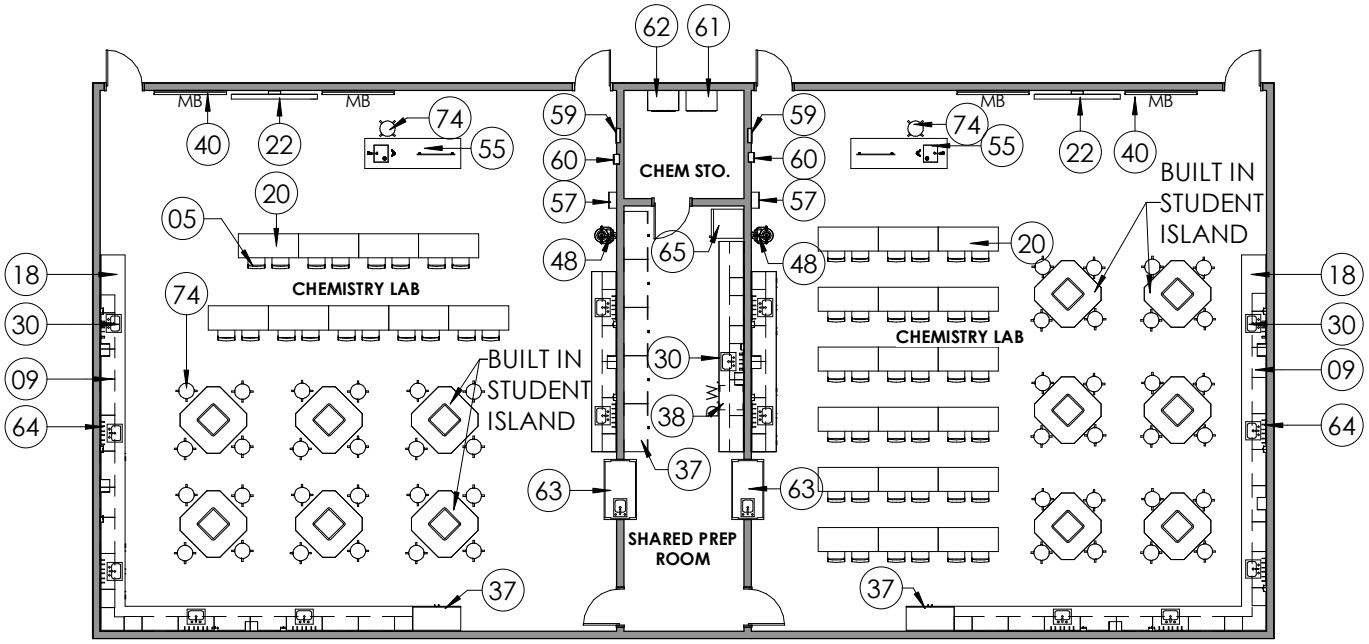


KEYNOTE	
ITEM #	**ITEM**
22	INTERACTIVE DISPLAY SCREEN
23	STUDENT DESK
24	STUDENT CHAIR
25	TEACHER DESK
26	TEACHER CHAIR
27	TEACHER WARDROBE
31	PRIVACY CURTAIN
33	FOLDING PARTITION
40	MARKERBOARD



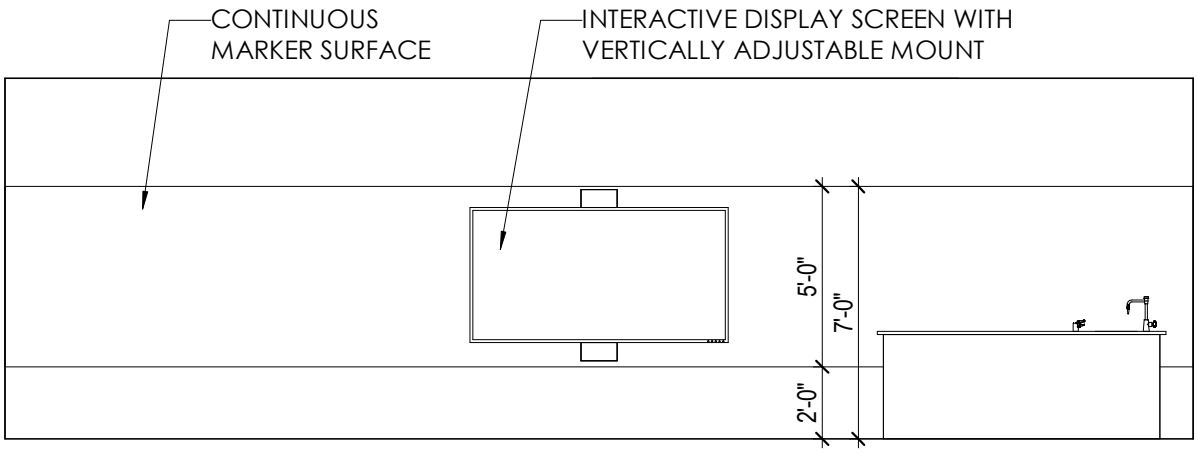
KEYNOTE	
ITEM #	**ITEM**
09	UPPER AND LOWER CABINETS
20	TABLE AND CHAIRS
22	INTERACTIVE DISPLAY SCREEN
23	STUDENT DESK
24	STUDENT CHAIR
30	ACCESSIBLE SINK
37	TALL STORAGE
38	DISHWASHER
48	EMERGENCY SHOWER/EMERGENCY EYEWASH
55	DEMONSTRATION TABLE AND TEACHER DESK

KEYNOTE	
ITEM #	**ITEM**
56	SCIENCE LAB TABLE
57	FIRE BLANKET CABINET
59	GOGGLE CABINET
60	FIRE EXTINGUISHER CABINET
61	ACID STORAGE CABINET
62	FLAMMABLE STORAGE CABINET
63	FUME HOOD
64	DRYING RACK
65	REFRIGERATOR
74	STOOL



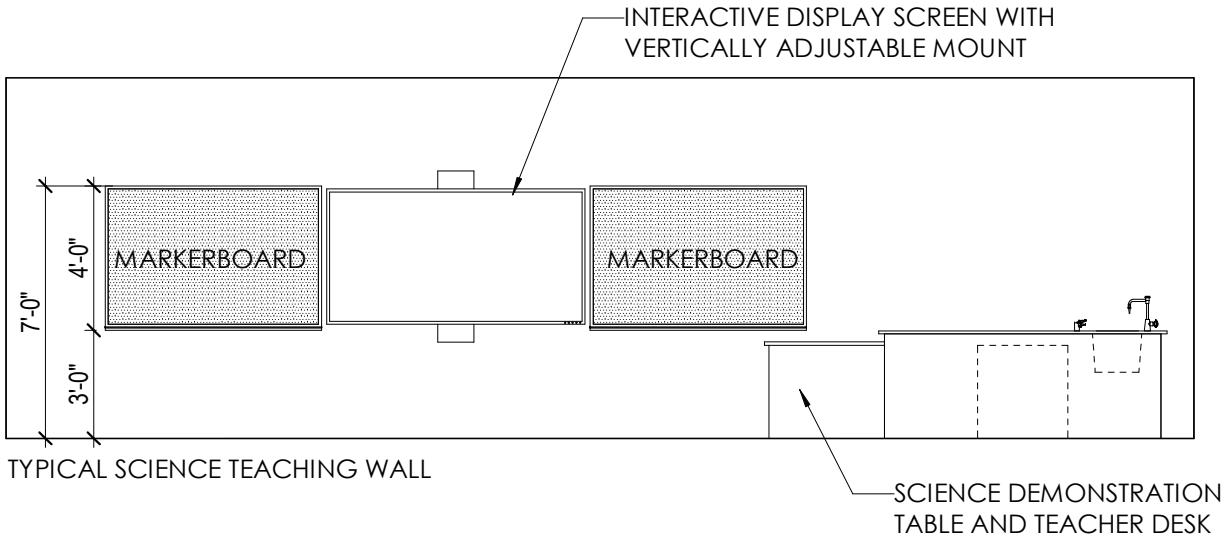
KEYNOTE	
ITEM #	**ITEM**
05	GUEST CHAIR
09	UPPER AND LOWER CABINETS
18	COUNTER
20	TABLE AND CHAIRS
22	INTERACTIVE DISPLAY SCREEN
30	ACCESSIBLE SINK
37	TALL STORAGE
38	DISHWASHER
40	MARKERBOARD
48	EMERGENCY SHOWER/EMERGENCY EYEWASH

KEYNOTE	
ITEM #	**ITEM**
55	DEMONSTRATION TABLE AND TEACHER DESK
57	FIRE BLANKET CABINET
59	GOGGLE CABINET
60	FIRE EXTINGUISHER CABINET
61	ACID STORAGE CABINET
62	FLAMMABLE STORAGE CABINET
63	FUME HOOD
64	DRYING RACK
65	REFRIGERATOR
74	STOOL

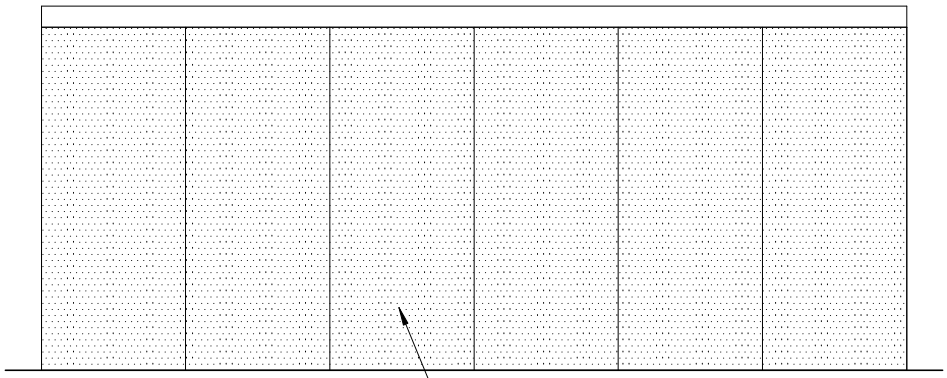


TYPICAL TEACHING WALL

Include marker board on second wall when wall space allows.

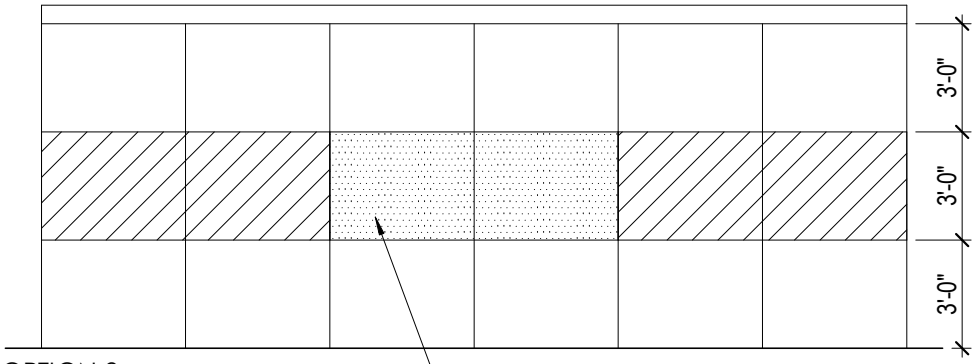


TYPICAL SCIENCE TEACHING WALL



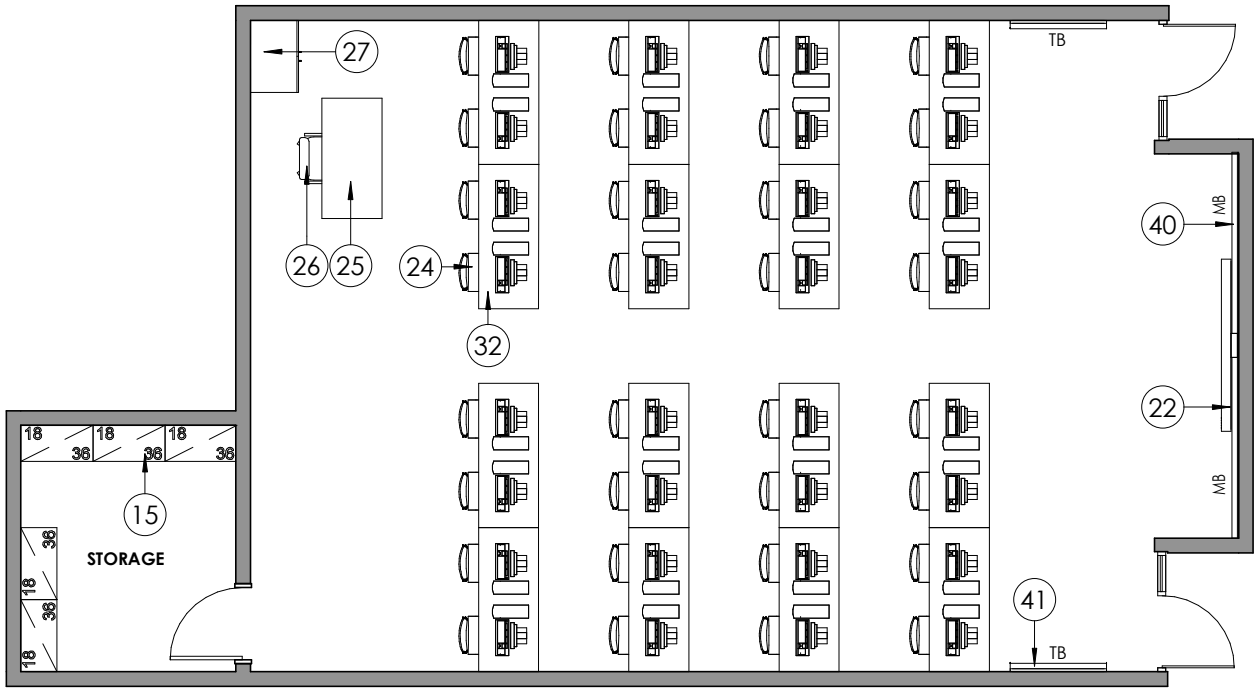
OPTION 1

CONTINUOUS MAGNETIC, MARKER SURFACE, TOP TO BOTTOM

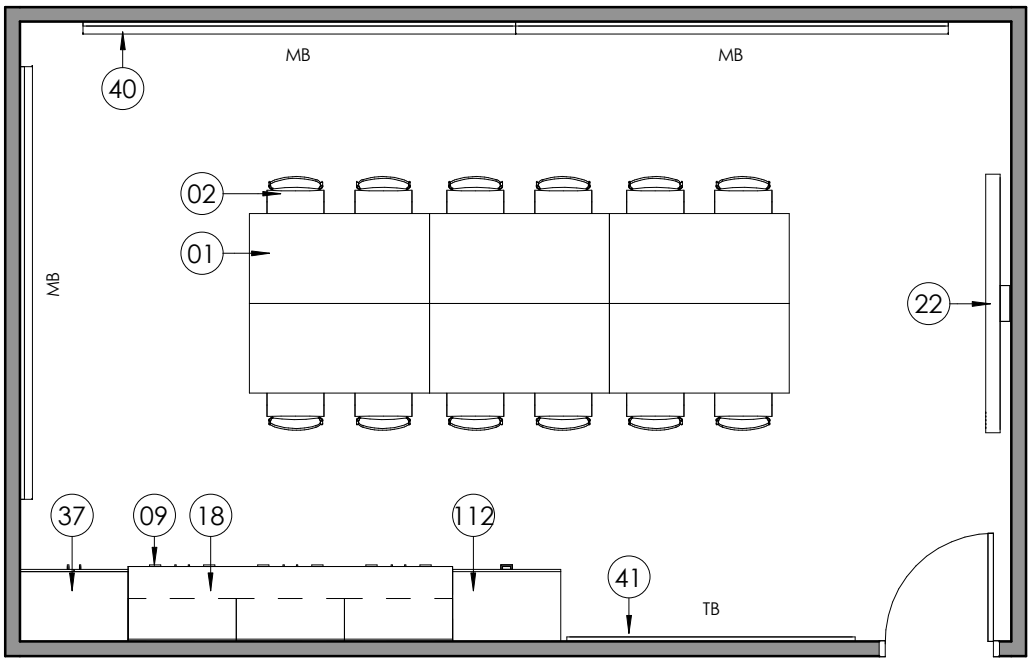


OPTION 2

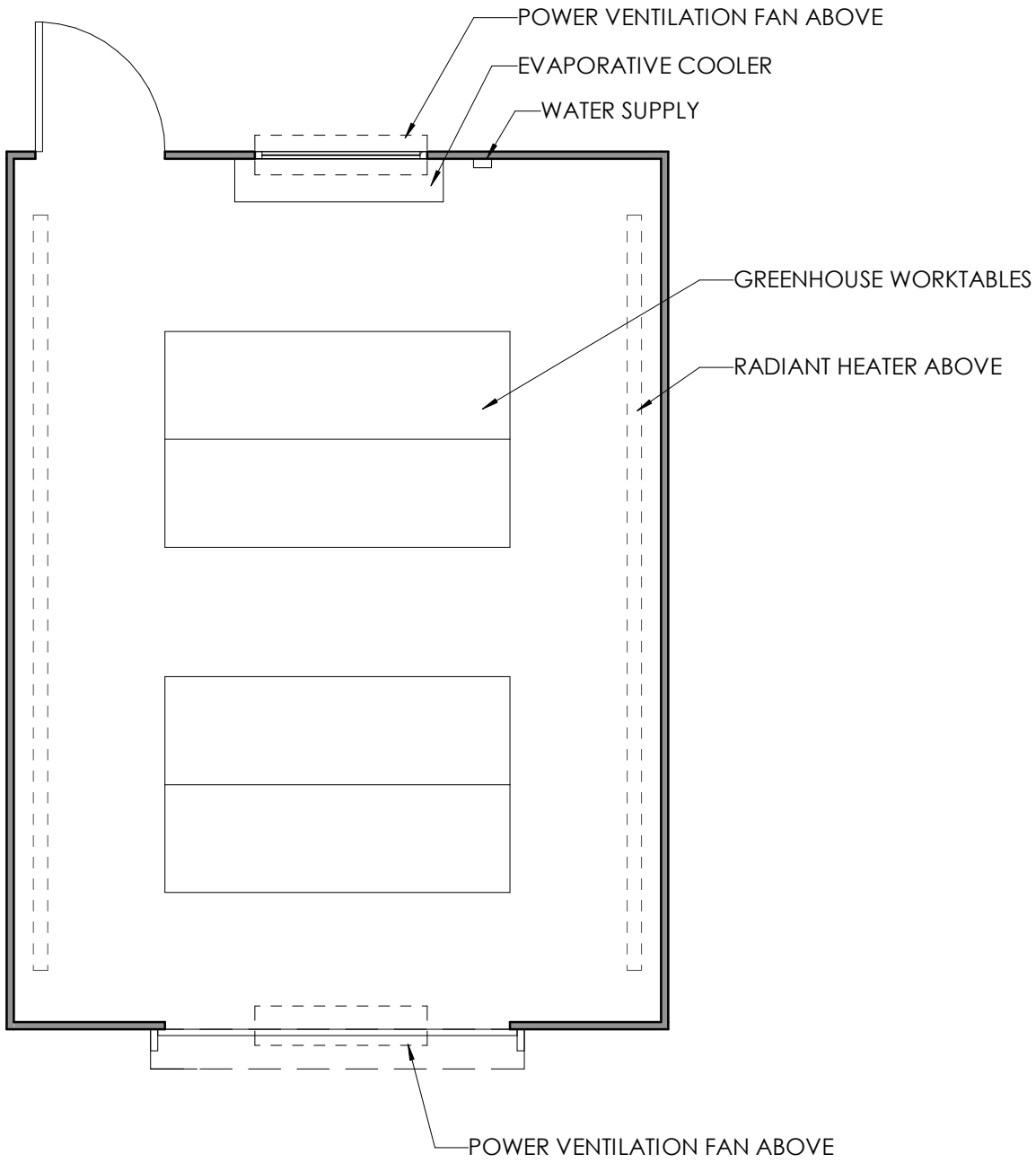
SURFACE MAY VARY BY PANEL AND BY SIDE:
MARKER SURFACE
TACK SURFACE
VINYL
OTHER

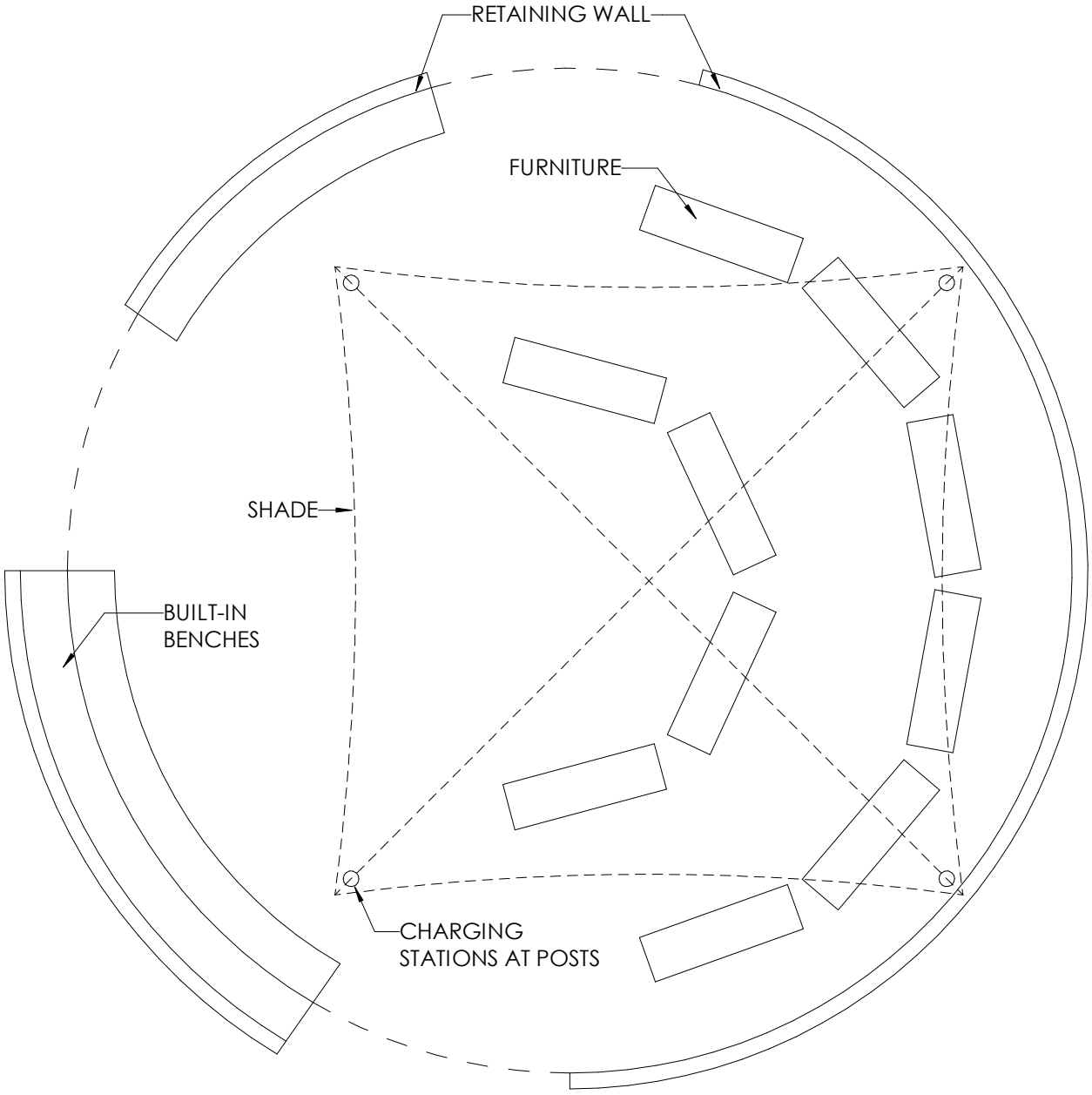


KEYNOTE	
ITEM #	**ITEM**
15	METAL SHELVES
22	INTERACTIVE DISPLAY SCREEN
24	STUDENT CHAIR
25	TEACHER DESK
26	TEACHER CHAIR
27	TEACHER WARDROBE
32	COMPUTER DESK
40	MARKERBOARD
41	TACKBOARD

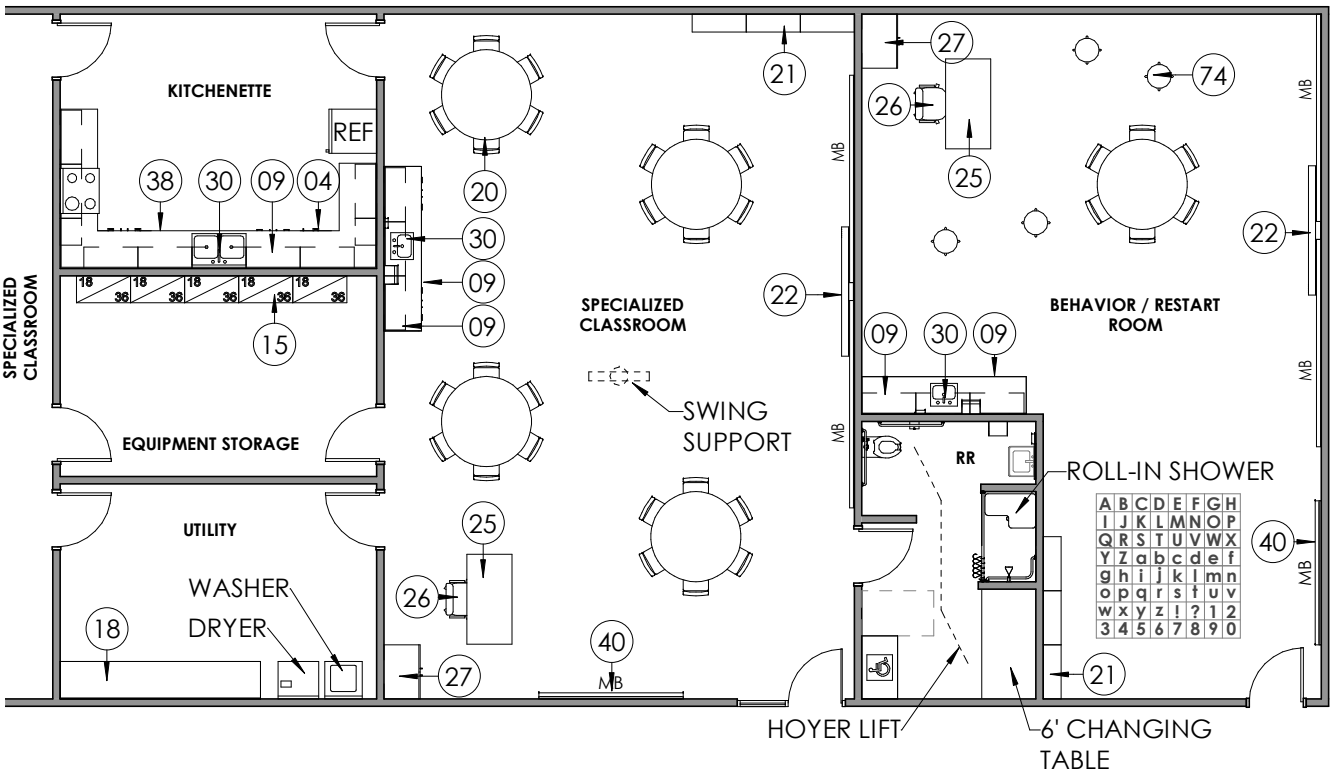


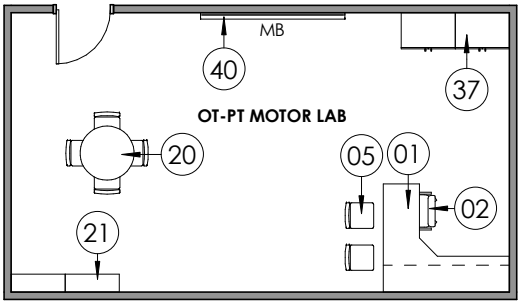
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
09	UPPER AND LOWER CABINETS
18	COUNTER
22	INTERACTIVE DISPLAY SCREEN
37	TALL STORAGE
40	MARKERBOARD
41	TACKBOARD
112	FILE CABINET


POWER VENTILATION FAN ABOVE
EVAPORATIVE COOLER
WATER SUPPLY
GREENHOUSE WORKTABLES
RADIANT HEATER ABOVE
POWER VENTILATION FAN ABOVE



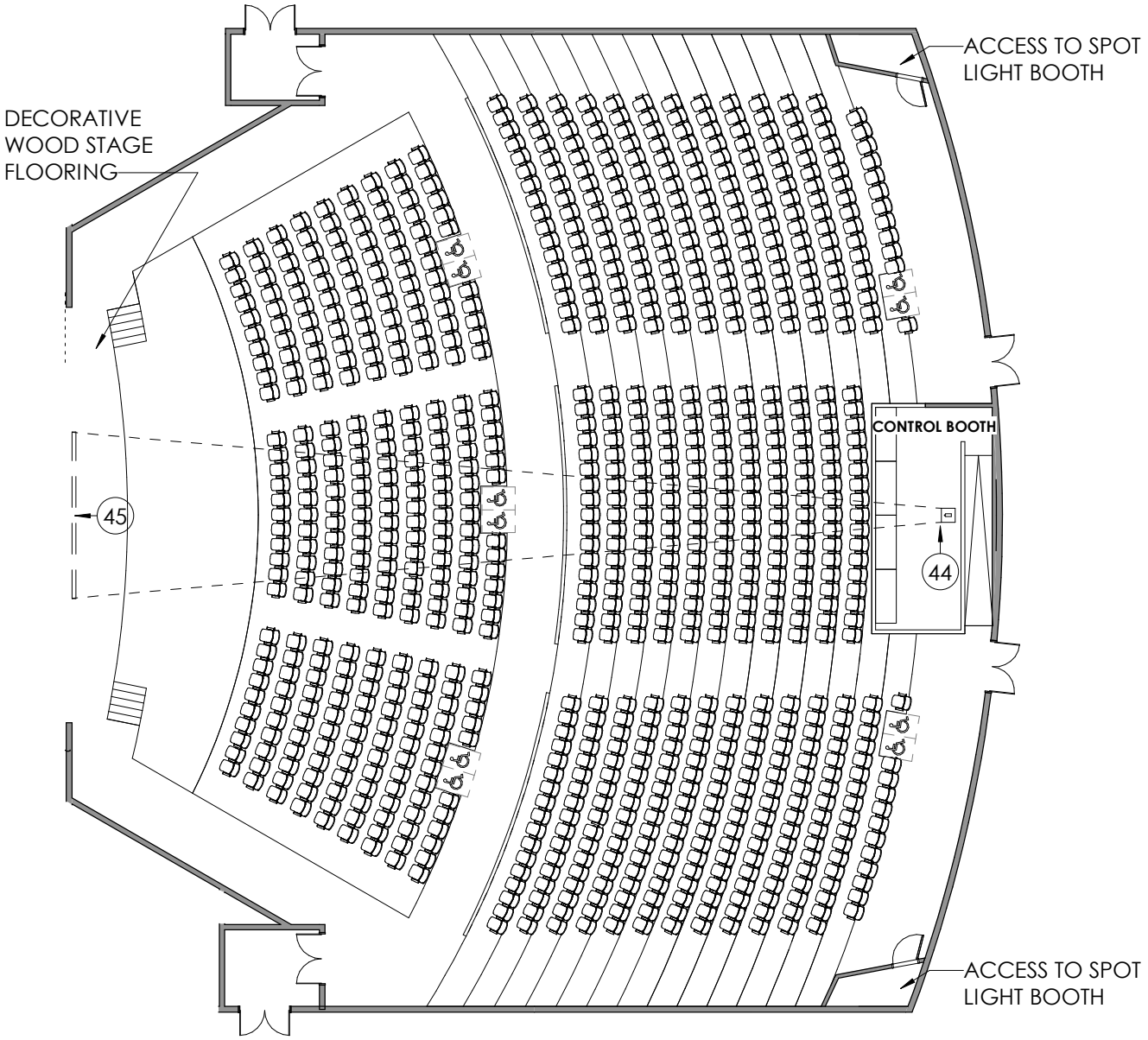
1. Shade
2. Fixed seating
3. Mobile tables and seating
4. Charging stations
5. Secura area (courtyard, screen wall, or fence





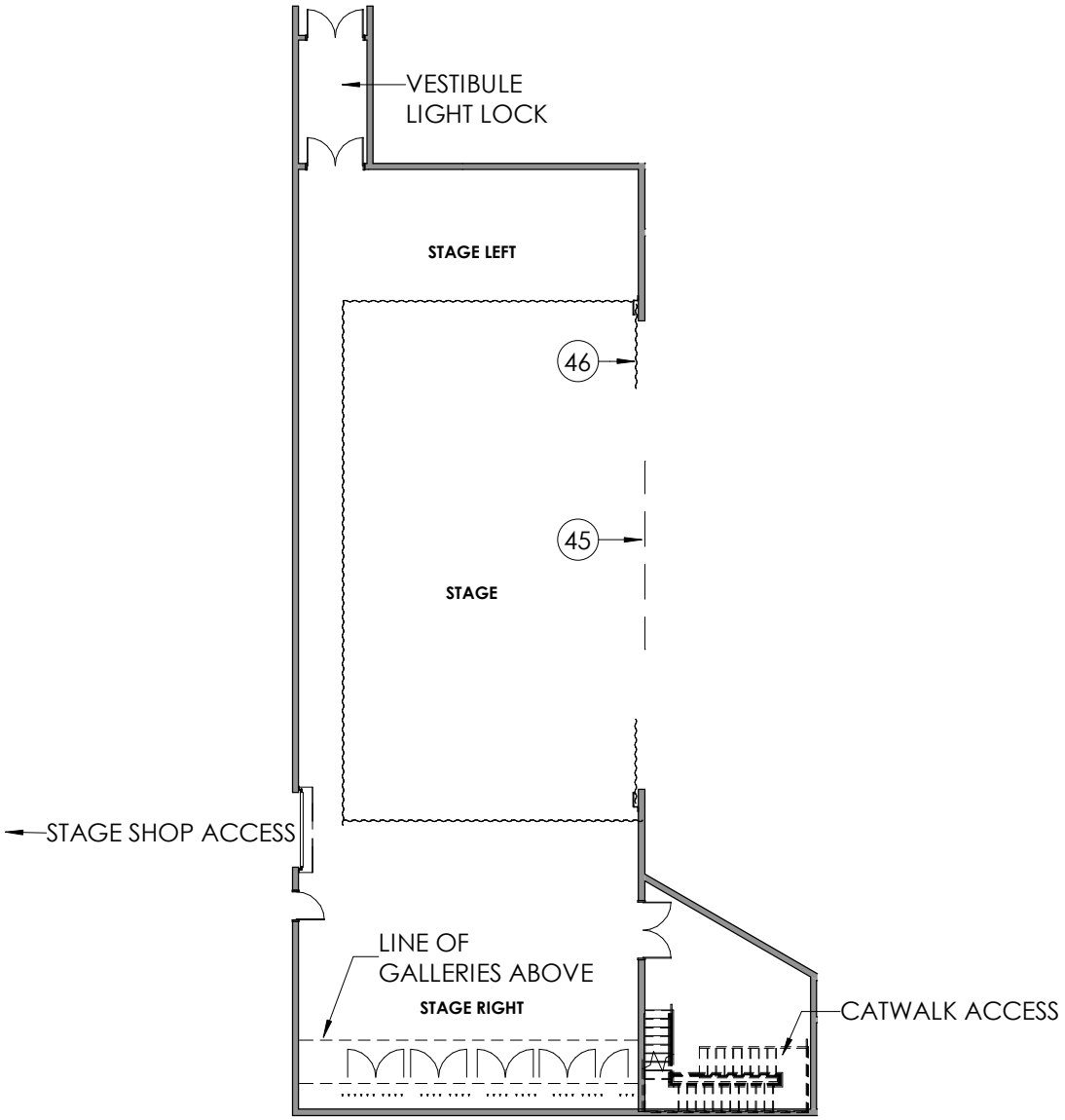
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
04	CABINET
05	GUEST CHAIR
09	UPPER AND LOWER CABINETS
15	METAL SHELVES
18	COUNTER
20	TABLE AND CHAIRS
21	BOOKCASE

KEYNOTE	
ITEM #	**ITEM**
22	INTERACTIVE DISPLAY SCREEN
25	TEACHER DESK
26	TEACHER CHAIR
27	TEACHER WARDROBE
30	ACCESSIBLE SINK
37	TALL STORAGE
38	DISHWASHER
40	MARKERBOARD
74	STOOL



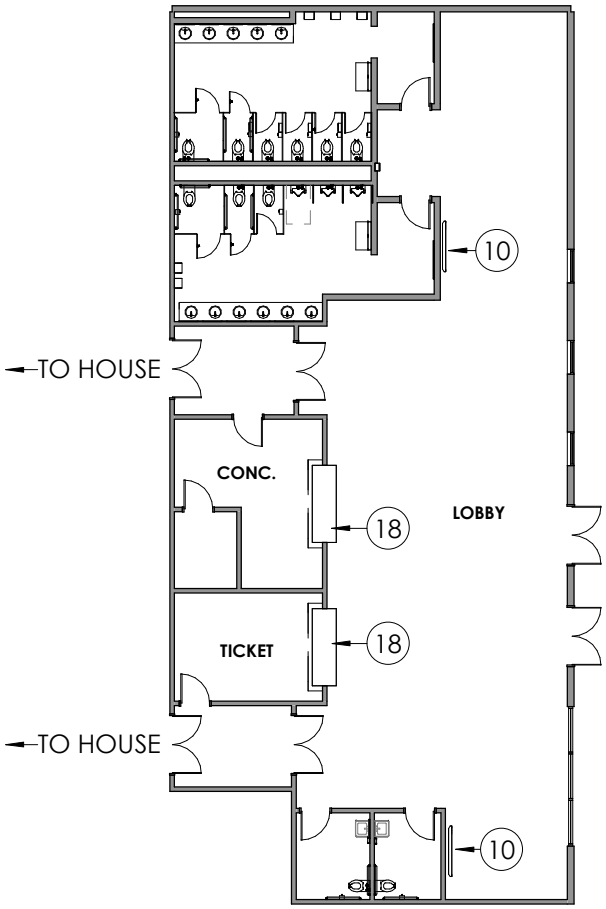
944 SEATS & 10 ACCESSIBLE SPACES

1. Acoustical designer required for all performance and music spaces.
2. Theatrical lighting and rigging designer is required for PAC and Black Box.

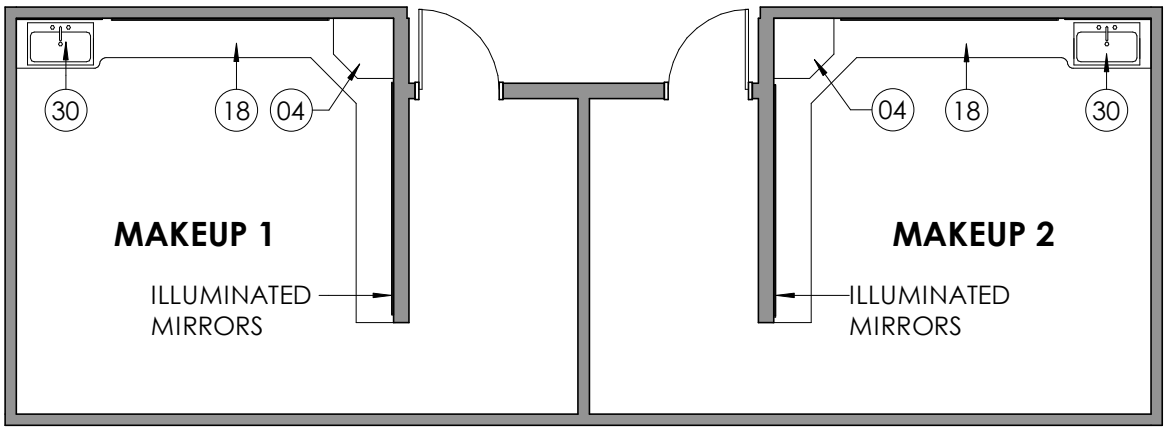


1. Acoustical designer required for all performance and music spaces.
2. Theatrical lighting and rigging designer is required for PAC and Black Box.
3. Full acoustic shell and clouds with off stage storage.
4. Full fly system, gridiron.
5. Stained wood sprung stage floor.

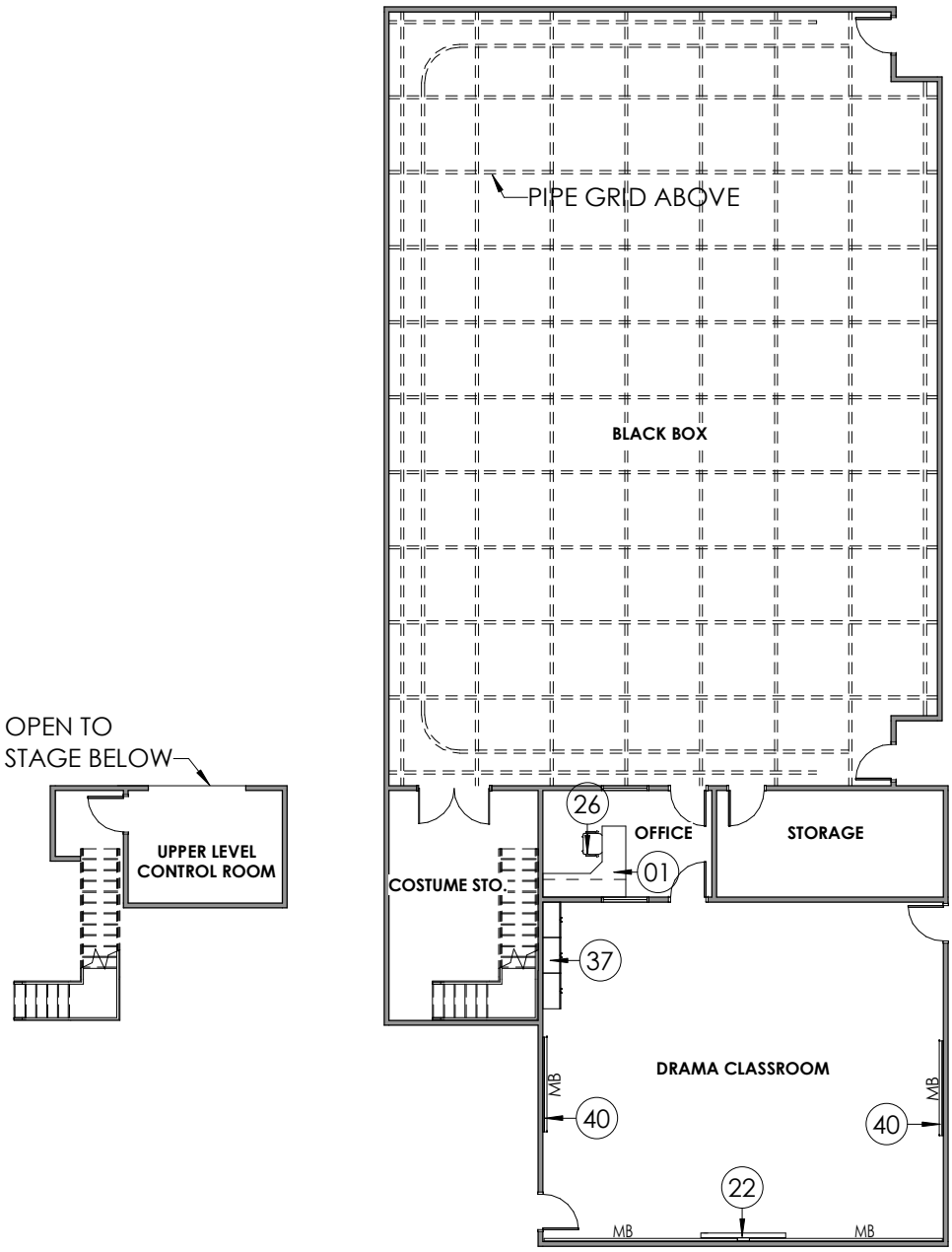
KEYNOTE	
ITEM #	**ITEM**
45	MOTORIZED PROJECTION SCREEN
46	STAGE CURTAIN



KEYNOTE	
ITEM #	**ITEM**
10	FLAT PANEL DISPLAY
18	COUNTER

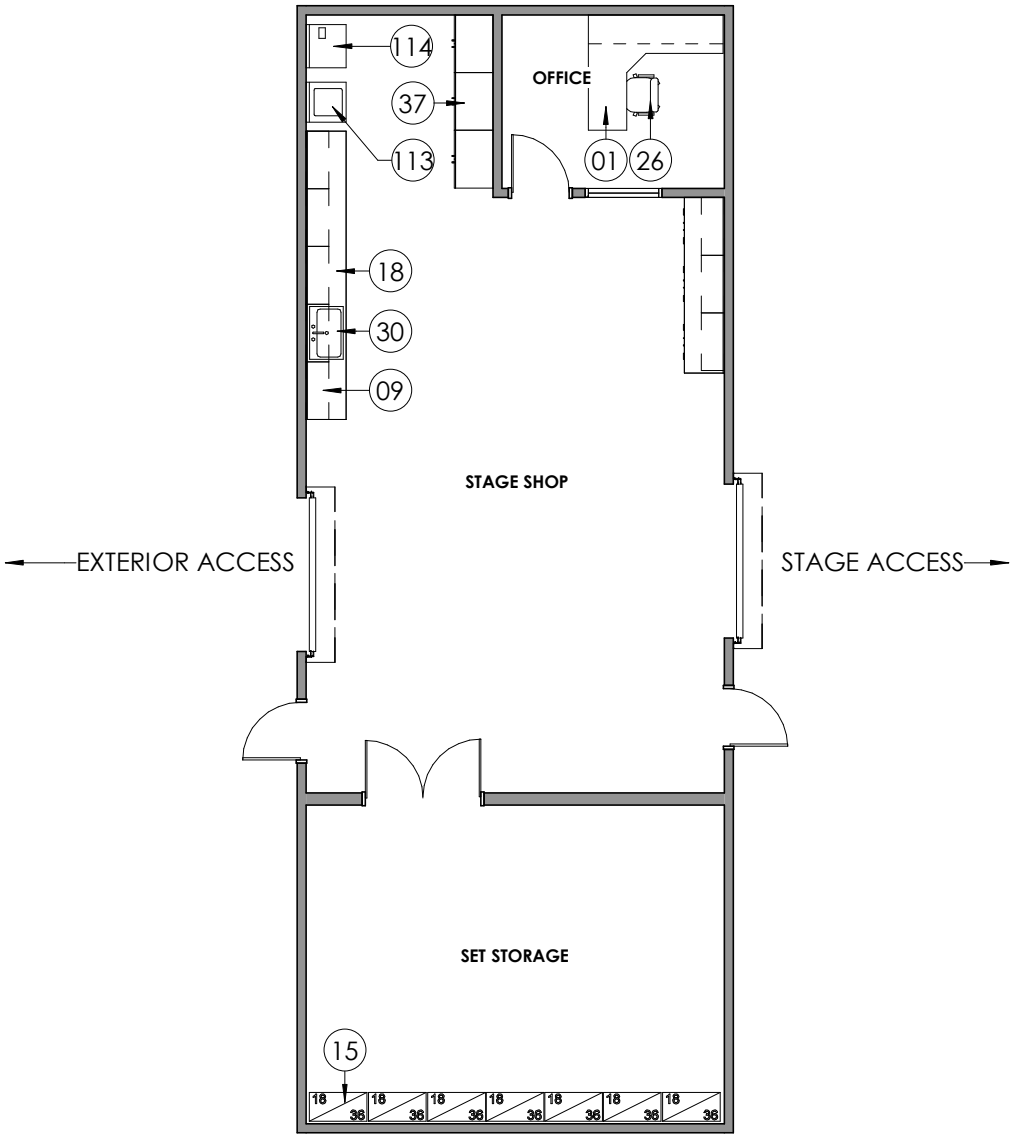


KEYNOTE	
ITEM #	**ITEM**
04	CABINET
18	COUNTER
30	ACCESSIBLE SINK

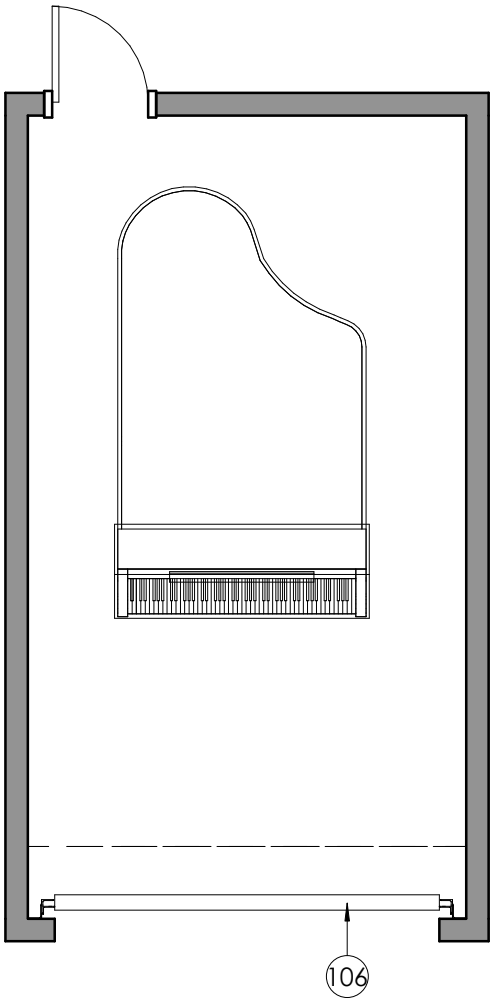


1. Acoustical designer required for all performance and music spaces.
2. Theatrical lighting and rigging designer is required for PAC and Black Box.
3. Minimum 18' ceiling height in Black Box. Coordinate with theatrical designer.

KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
22	INTERACTIVE DISPLAY SCREEN
26	TEACHER CHAIR
37	TALL STORAGE
40	MARKERBOARD

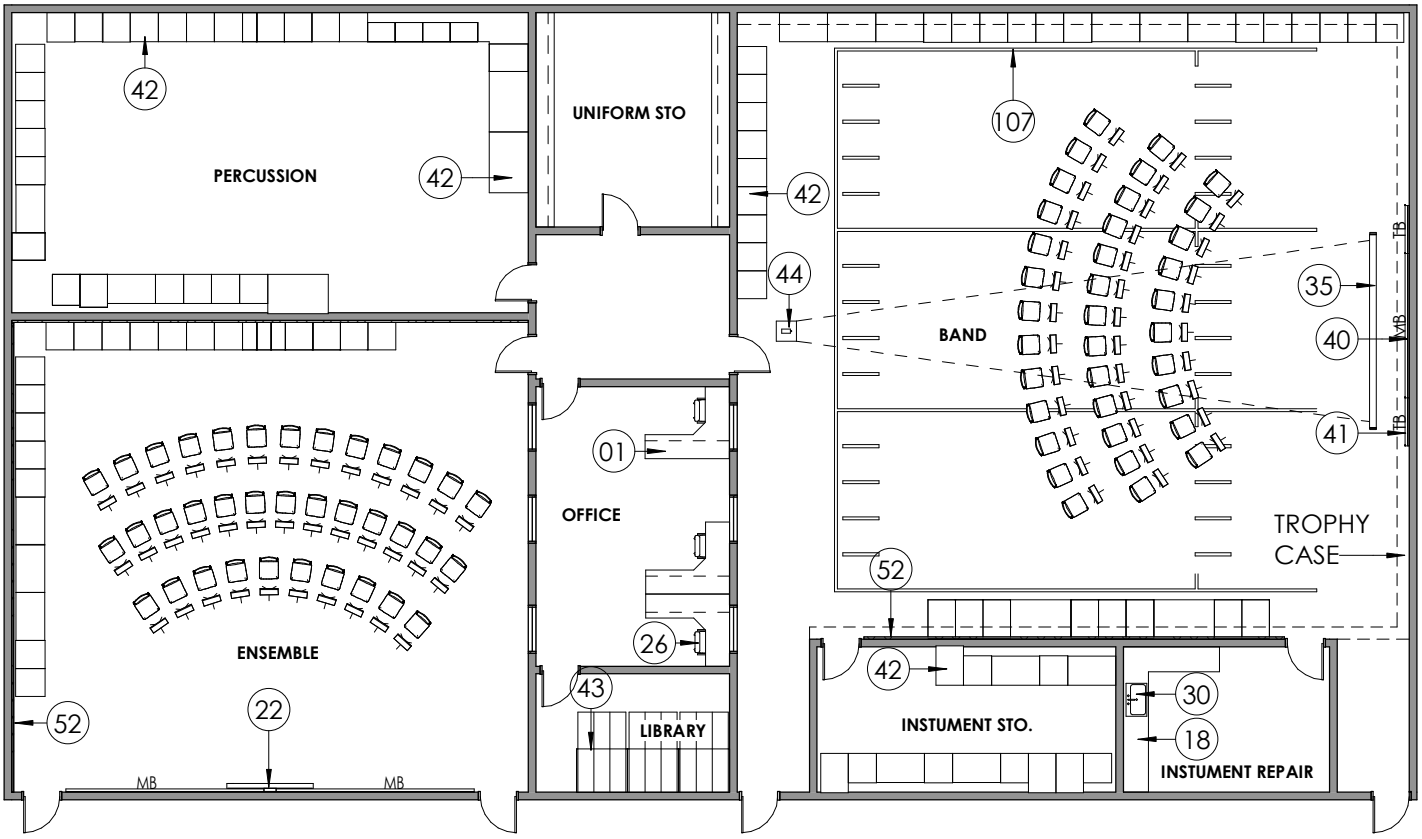


KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
09	UPPER AND LOWER CABINETS
15	METAL SHELVES
18	COUNTER
26	TEACHER CHAIR
30	ACCESSIBLE SINK
37	TALL STORAGE
113	RESIDENTIAL WASHER
114	RESIDENETIAL DRYER



Provide continuous temperature and humidity control.

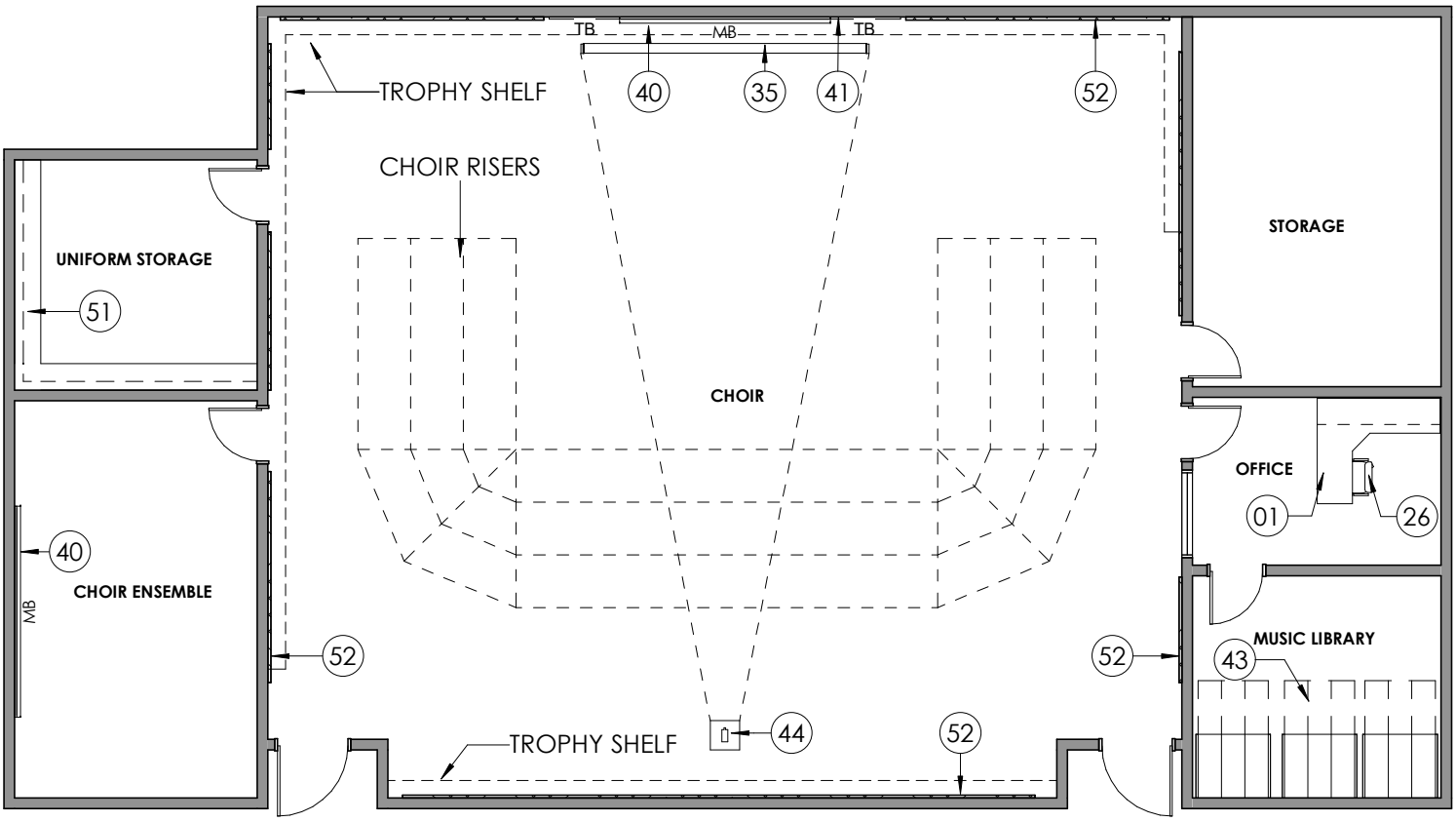
KEYNOTE	
ITEM #	**ITEM**
106	INSULATED OVERHEAD COILING DOOR



1. Acoustical designer required for all performance and music spaces.
2. Minimum 20' ceiling height in Band Hall.

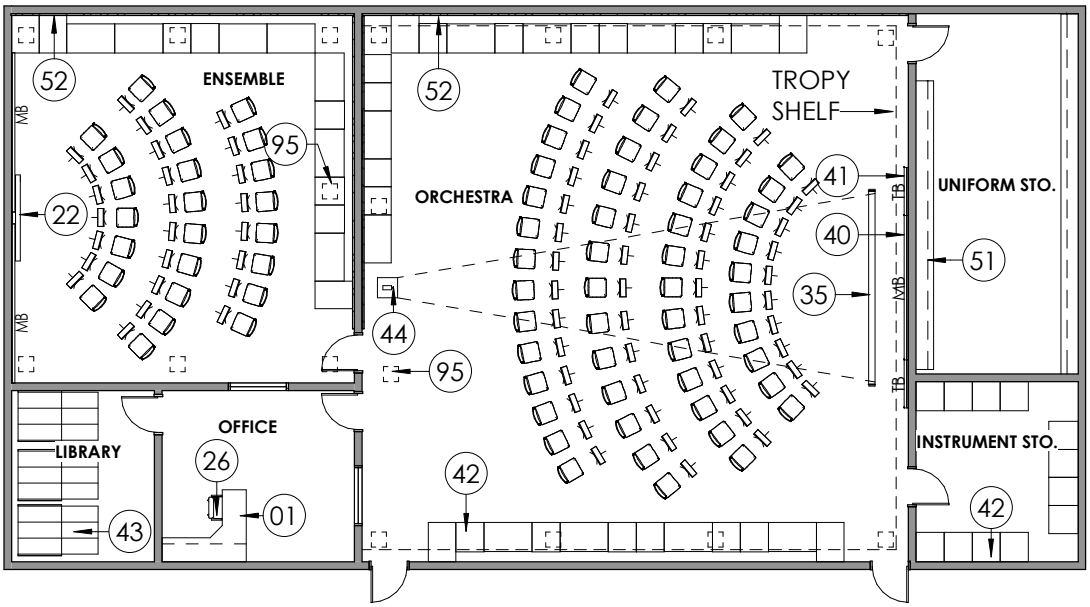
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
18	COUNTER
22	INTERACTIVE DISPLAY SCREEN
26	TEACHER CHAIR
30	ACCESSIBLE SINK
35	GREEN SCREEN
40	MARKERBOARD

KEYNOTE	
ITEM #	**ITEM**
41	TACKBOARD
42	INSTRUMENT STORAGE
43	SHEET MUSIC STORAGE
44	PROJECTOR
52	ACOUSTICAL WALL PANEL
107	MARCHING PRACTICE LINEWORK



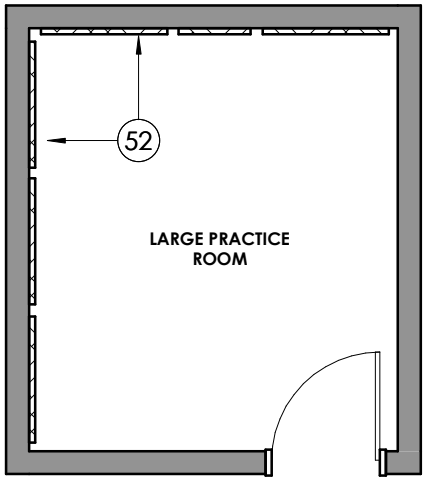
1. Acoustical designer required for all performance and music spaces.
2. Minimum 20' ceiling height in Choir room.

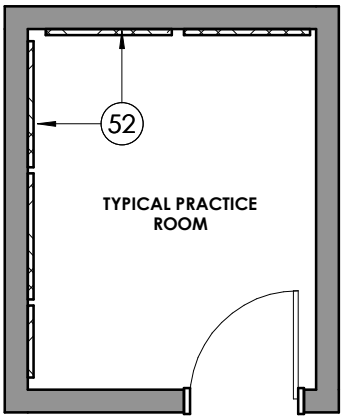
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
26	TEACHER CHAIR
35	GREEN SCREEN
40	MARKERBOARD
41	TACKBOARD
43	SHEET MUSIC STORAGE
44	PROJECTOR
51	SHELF AND POLE
52	ACOUSTICAL WALL PANEL



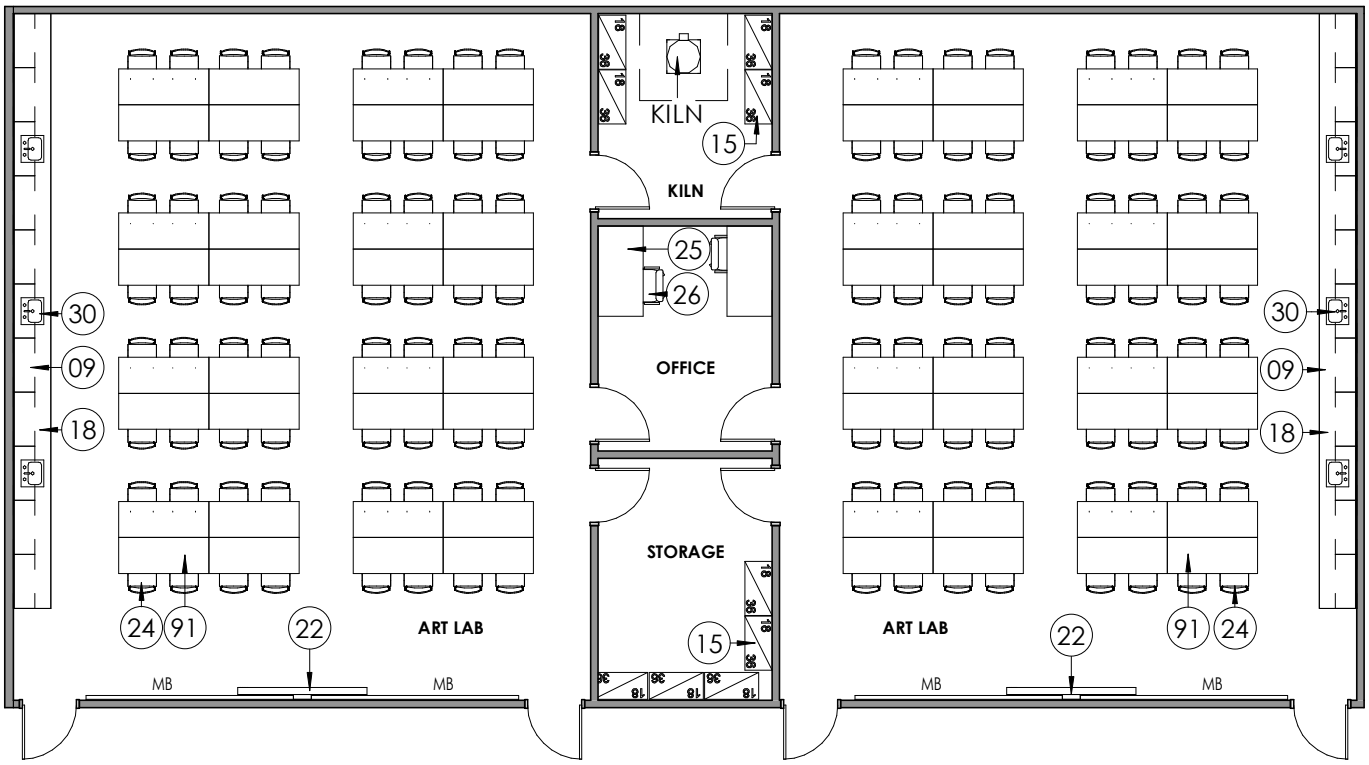
1. Acoustical designer required for all performance and music spaces.
2. Minimum 20' ceiling height in Orchestra room.

KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
22	INTERACTIVE DISPLAY SCREEN
26	TEACHER CHAIR
35	GREEN SCREEN
40	MARKERBOARD
41	TACKBOARD
42	INSTRUMENT STORAGE
43	SHEET MUSIC STORAGE
44	PROJECTOR
51	SHELF AND POLE
52	ACOUSTICAL WALL PANEL
95	SOUND SYSTEM



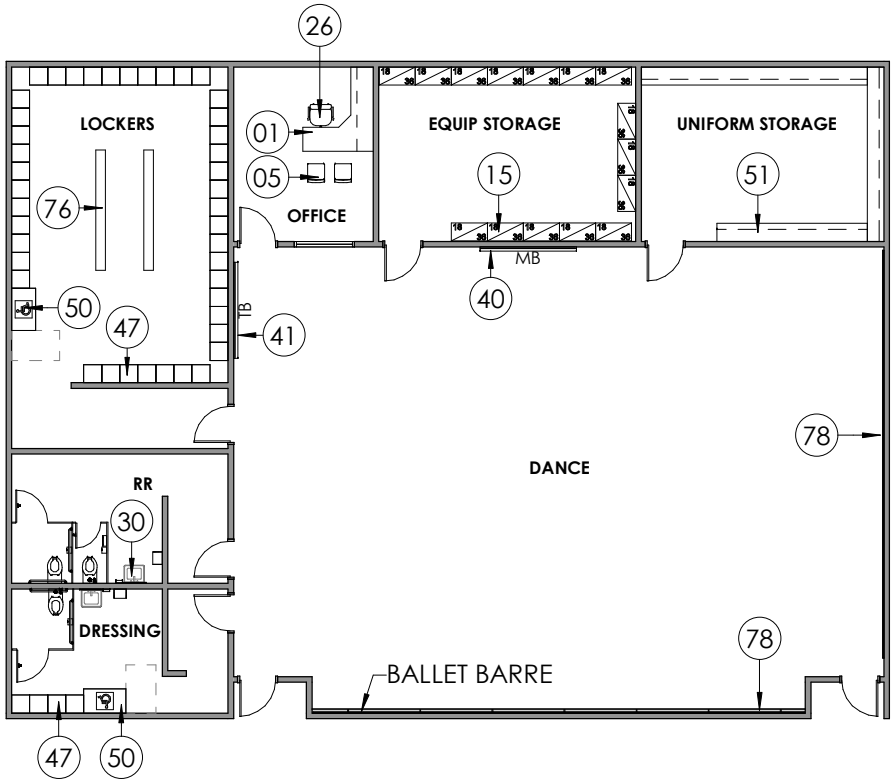


KEYNOTE	
ITEM #	**ITEM**
52	ACOUSTICAL WALL PANEL

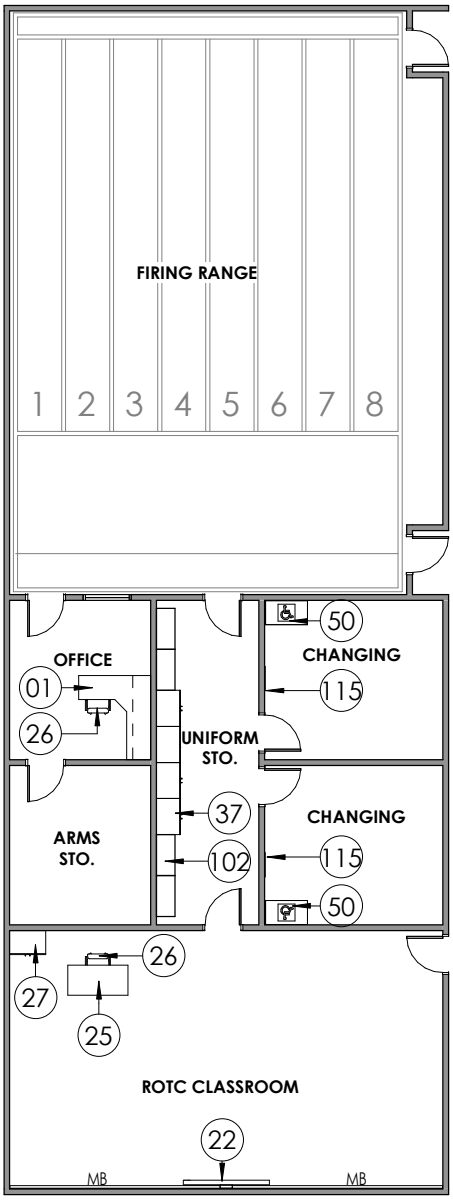


Provide drying racks.

KEYNOTE	
ITEM #	**ITEM**
09	UPPER AND LOWER CABINETS
15	METAL SHELVES
18	COUNTER
22	INTERACTIVE DISPLAY SCREEN
24	STUDENT CHAIR
25	TEACHER DESK
26	TEACHER CHAIR
30	ACCESSIBLE SINK
91	ART TABLE

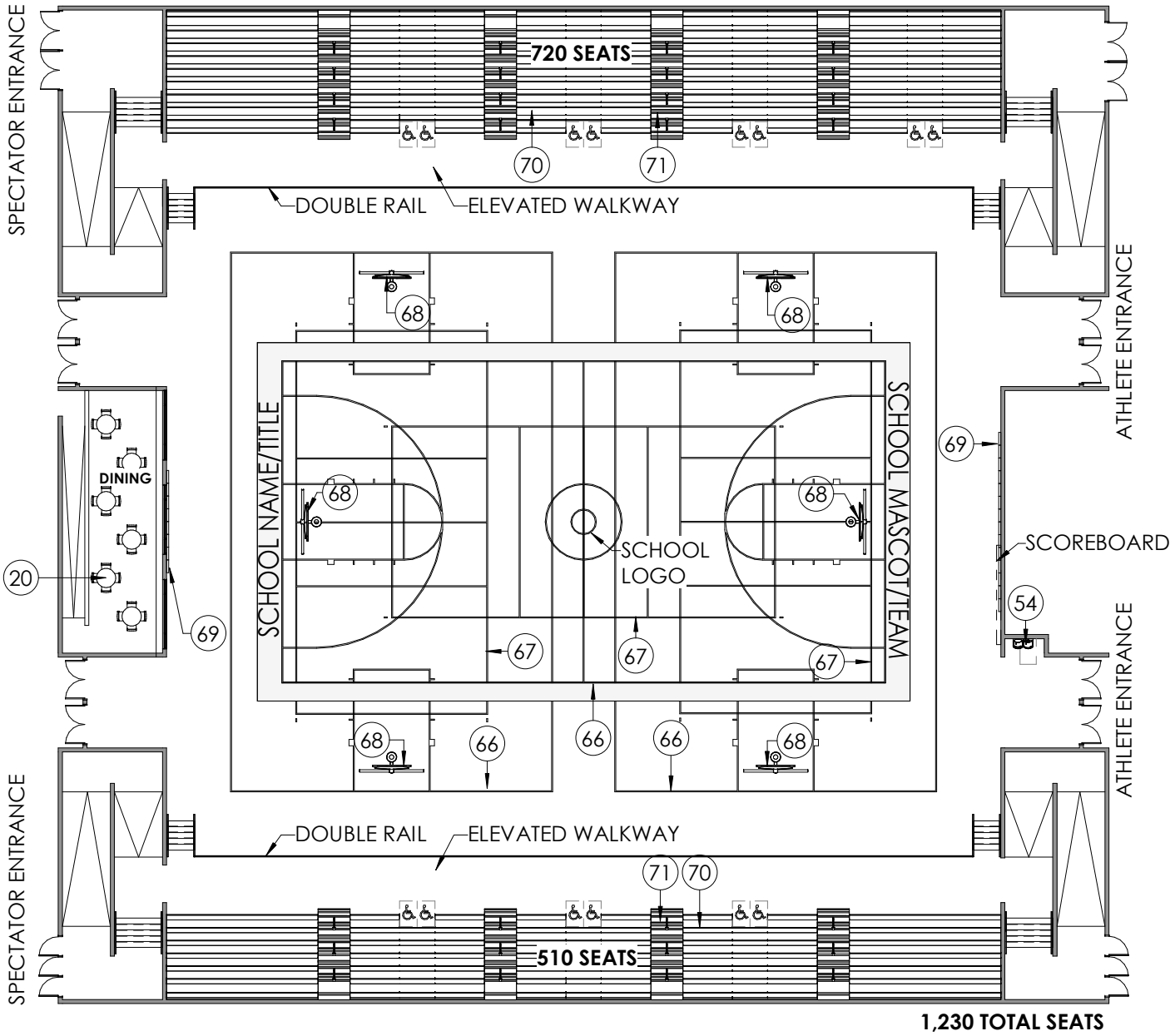


KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
05	GUEST CHAIR
15	METAL SHELVES
26	TEACHER CHAIR
30	ACCESSIBLE SINK
40	MARKERBOARD
41	TACKBOARD
47	LOCKERS
50	ACCESSIBLE BENCH
51	SHELF AND POLE
76	LOCKER BENCH
78	FULL HEIGHT, FULL LENGTH MIRROR



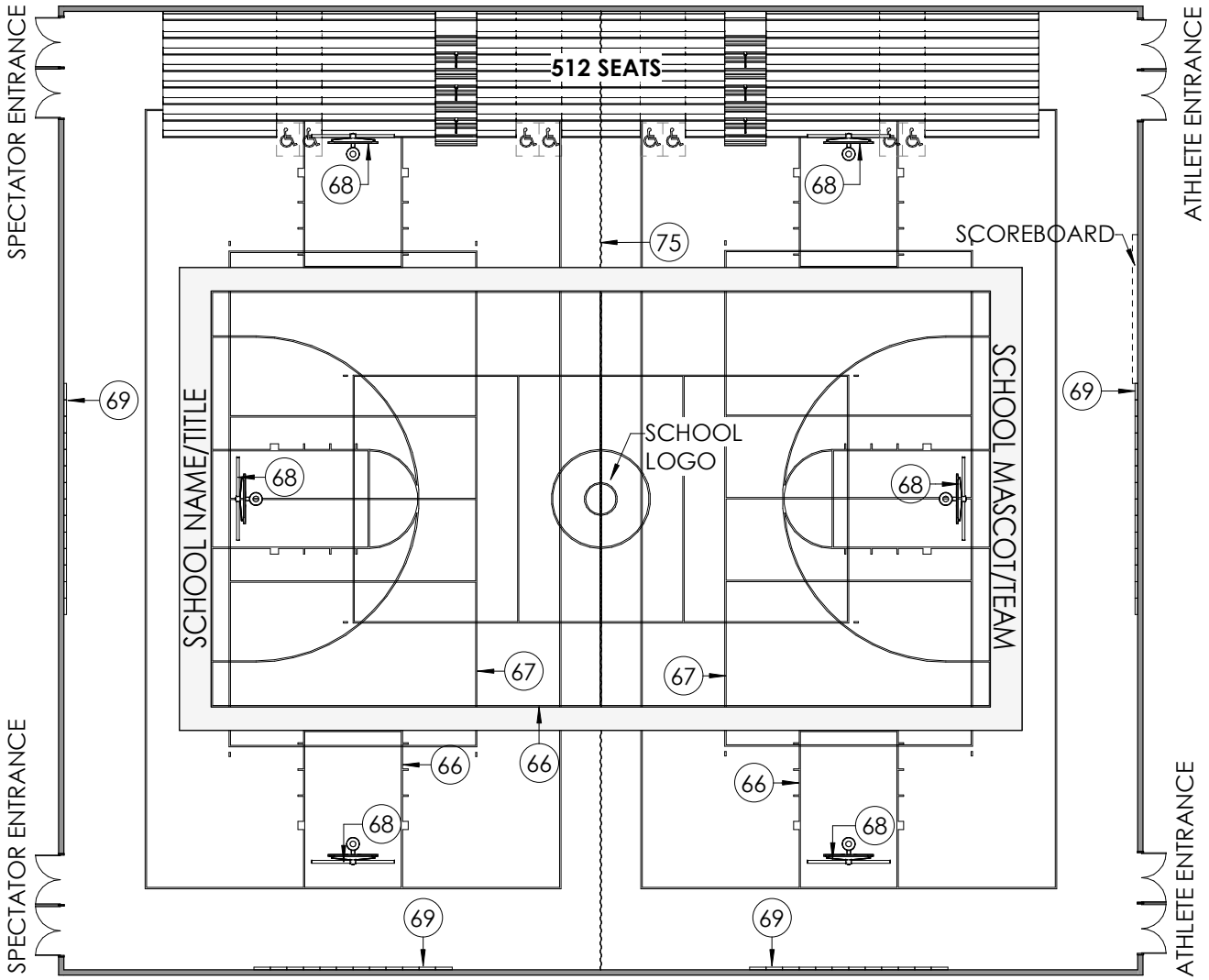
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
22	INTERACTIVE DISPLAY SCREEN
25	TEACHER DESK
26	TEACHER CHAIR
27	TEACHER WARDROBE

KEYNOTE	
ITEM #	**ITEM**
37	TALL STORAGE
50	ACCESSIBLE BENCH
102	DOUBLE TIER HANGING RACK
115	FULL HEIGHT MIRROR



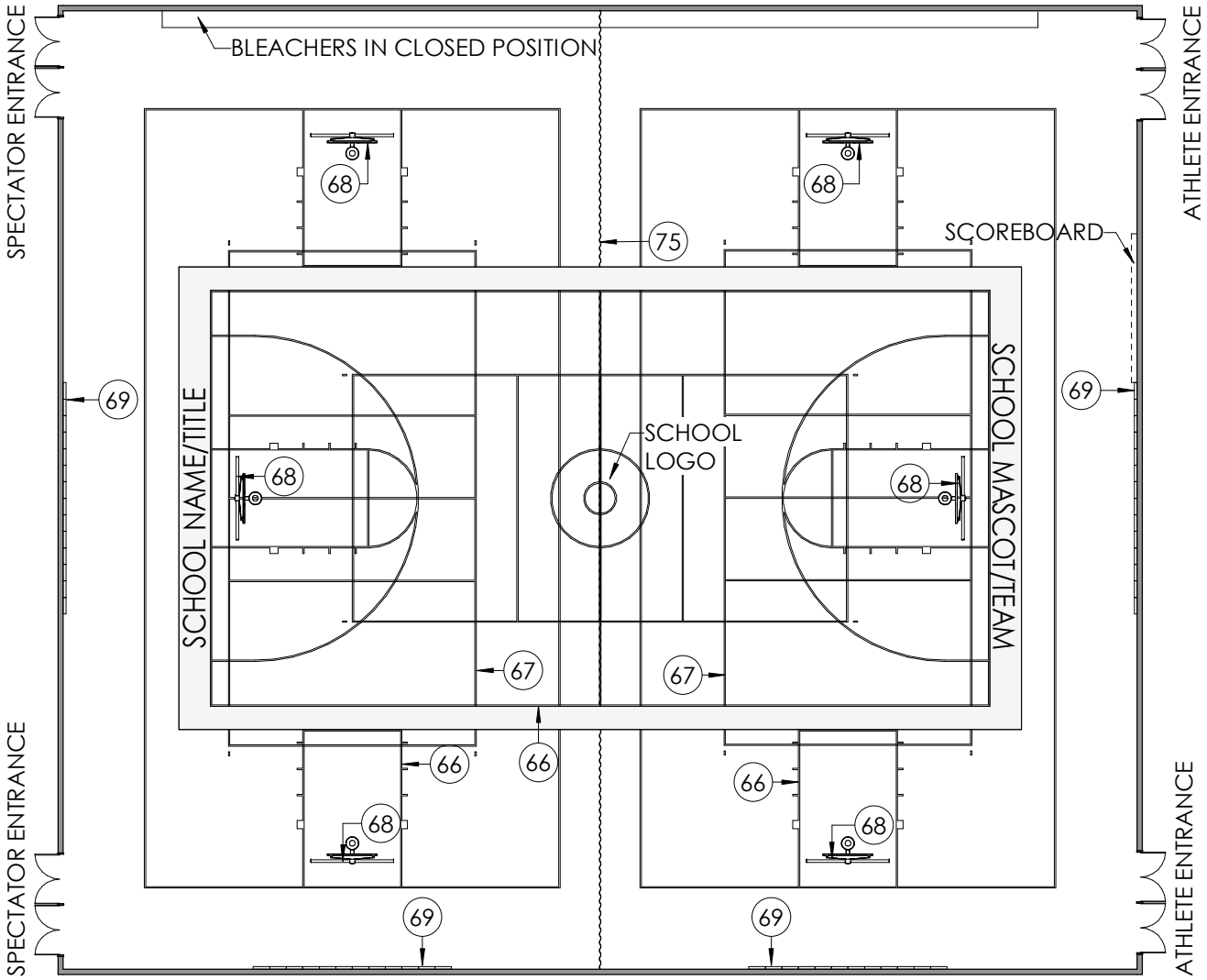
KEYNOTE	
ITEM #	**ITEM**
20	TABLE AND CHAIRS
54	WATER FOUNTAIN
66	BASKETBALL COURT
67	VOLLEYBALL COURT STRIPING AND INSERTS
68	FOLDING BASKETBALL GOAL AND BACKSTOP
69	WALL SAFETY PADS
70	FOLDING BLEACHERS
71	BLEACHER AISLE

1. Main Basketball Court 94' x 50'.
2. Cross Basketball Courts 84' x 50'



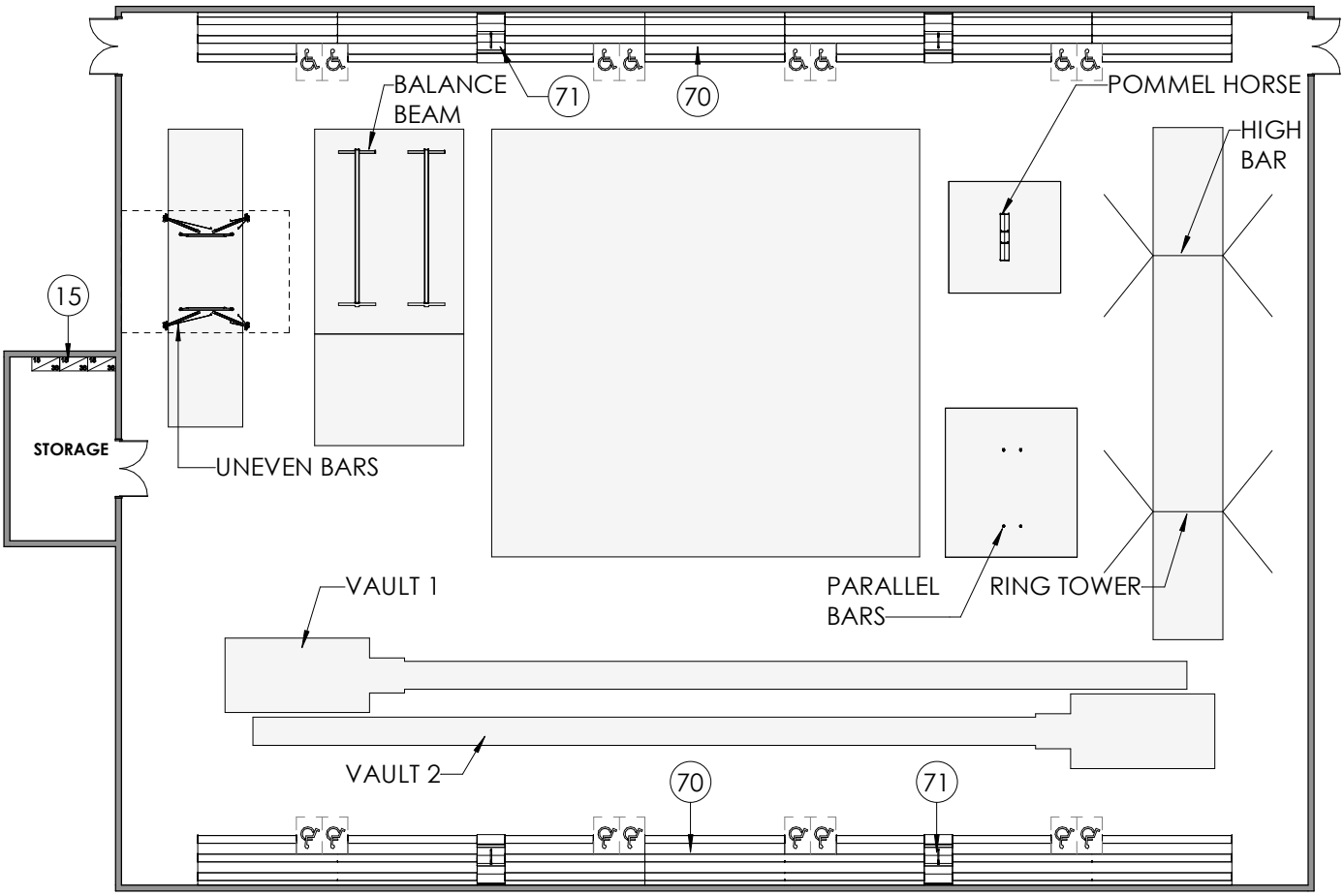
1. Main Basketball Court 94' x 50'.
2. Cross Basketball Courts 94' x 50'.
3. Gym egress not sized for row seating .
4. Wall pads not required on face of folded bleachers.

KEYNOTE	
ITEM #	**ITEM**
66	BASKETBALL COURT
67	VOLLEYBALL COURT STRIPING AND INSERTS
68	FOLDING BASKETBALL GOAL AND BACKSTOP
69	WALL SAFETY PADS
75	GYM DIVIDER CURTAIN

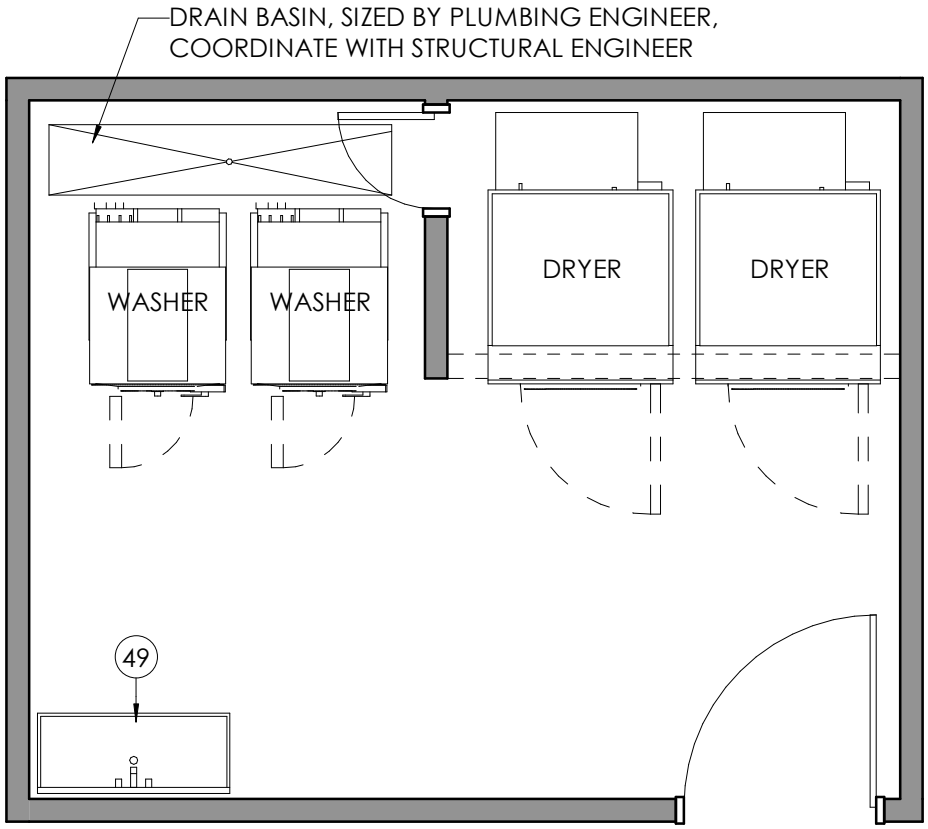


1. Main Basketball Court 94' x 50'.
2. Cross Basketball Courts 94' x 50'.
3. Gym egress not sized for row seating.
4. Wall pads not required on face of folded bleachers.

KEYNOTE	
ITEM #	**ITEM**
66	BASKETBALL COURT
67	VOLLEYBALL COURT STRIPING AND INSERTS
68	FOLDING BASKETBALL GOAL AND BACKSTOP
69	WALL SAFETY PADS
75	GYM DIVIDER CURTAIN

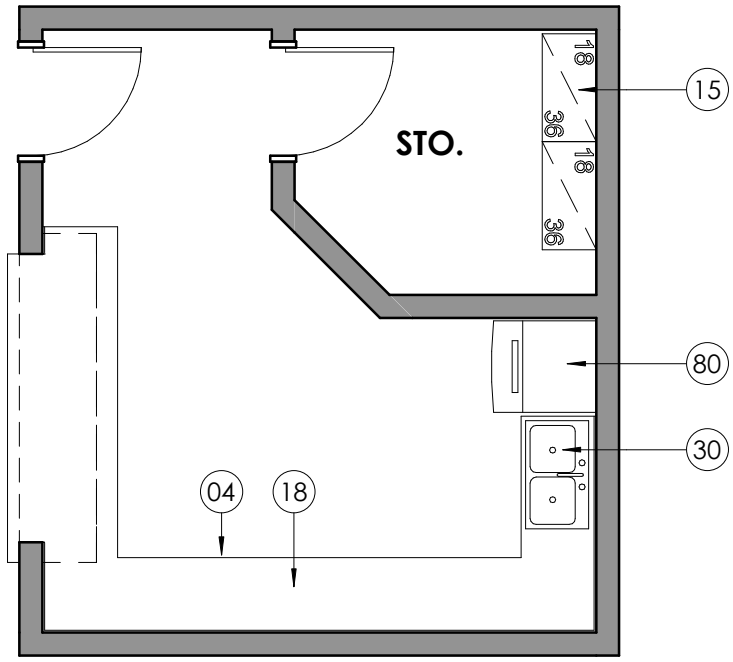


KEYNOTE	
ITEM #	**ITEM**
15	METAL SHELVES
70	FOLDING BLEACHERS
71	BLEACHER AISLE

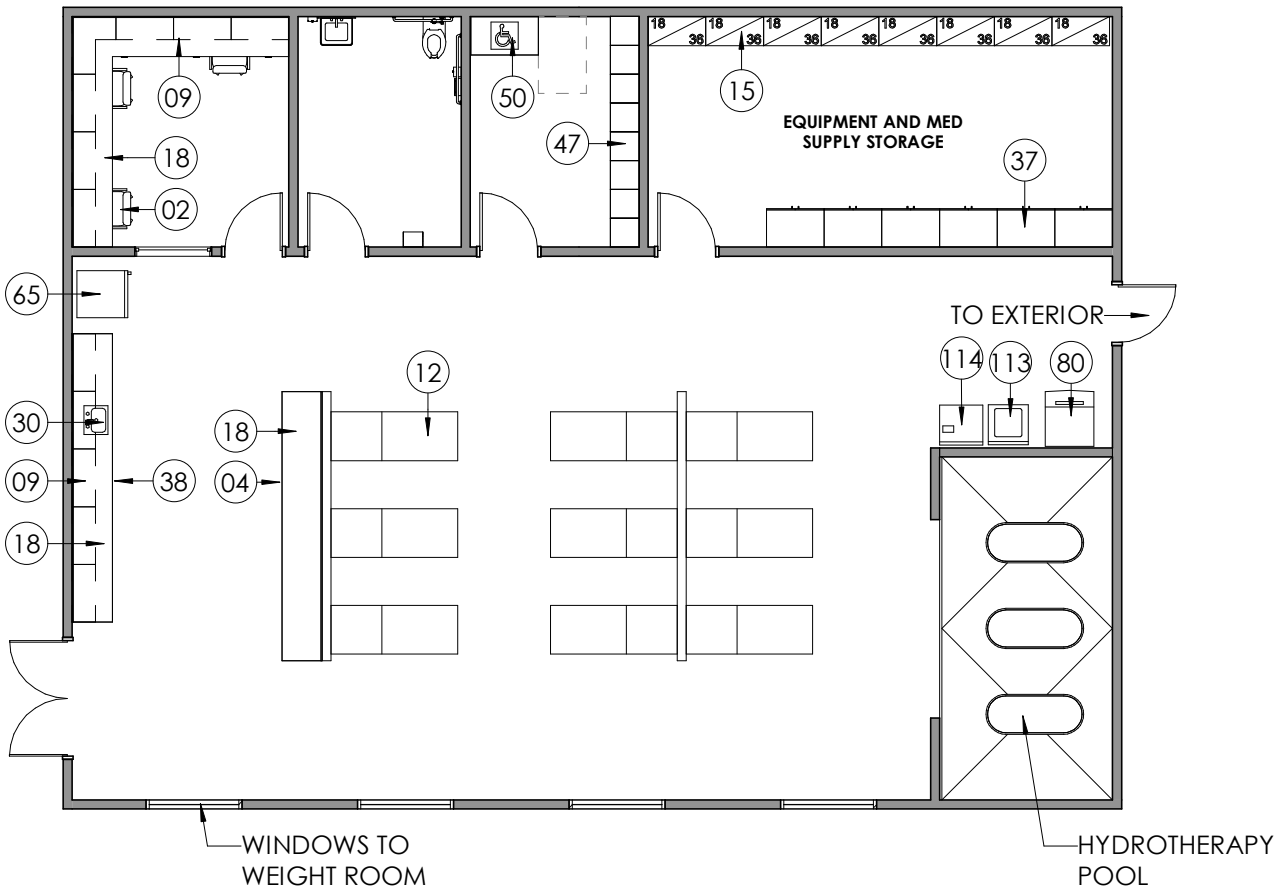


1. Two 50-60 pound washers.
2. Two 60-75 pound dryers.

KEYNOTE	
ITEM #	**ITEM**
49	UTILITY SINK



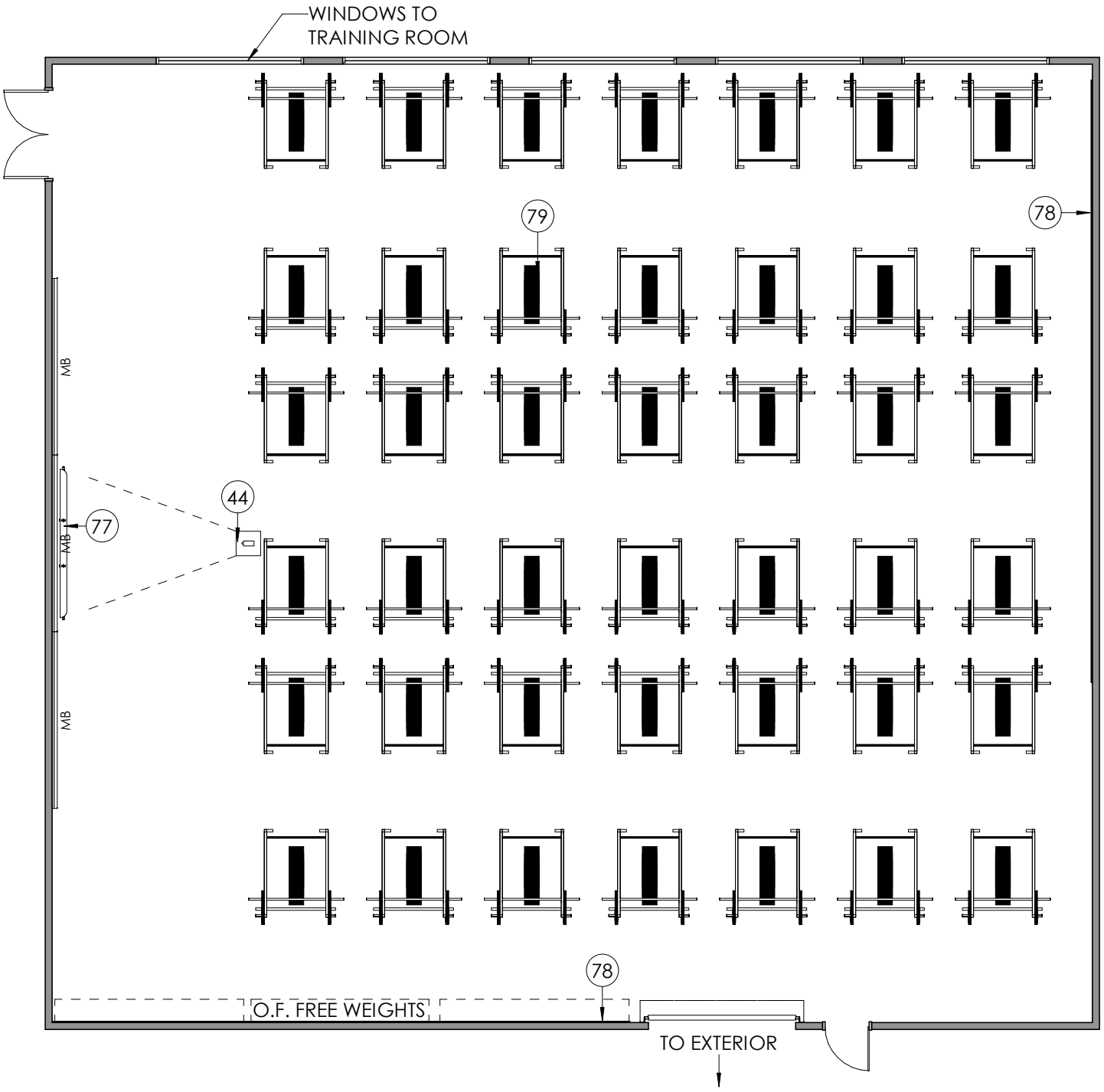
KEYNOTE	
ITEM #	**ITEM**
04	CABINET
15	METAL SHELVES
18	COUNTER
30	ACCESSIBLE SINK
80	ICE MACHINE



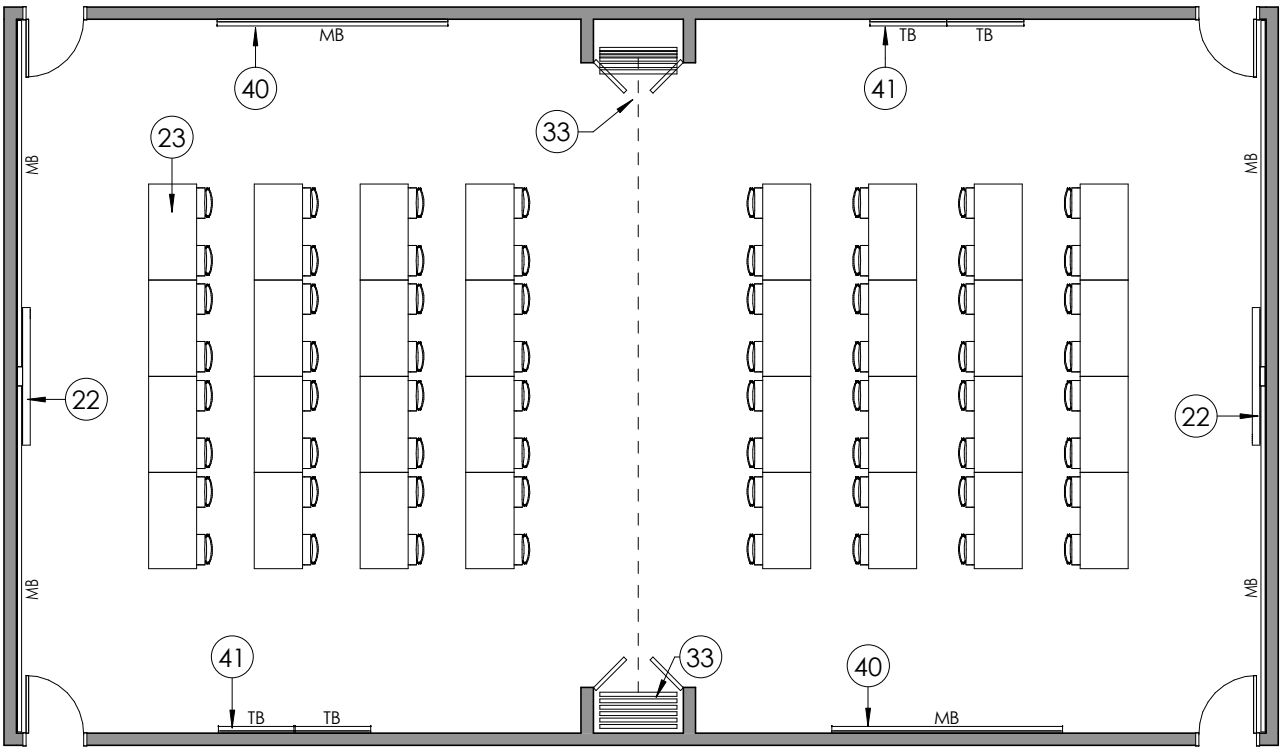
Ice machine: Manitowoc Model No. iTO500 ON D-570.

KEYNOTE	
ITEM #	**ITEM**
02	DESK CHAIR
04	CABINET
09	UPPER AND LOWER CABINETS
12	COT
15	METAL SHELVES
18	COUNTER
30	ACCESSIBLE SINK
37	TALL STORAGE

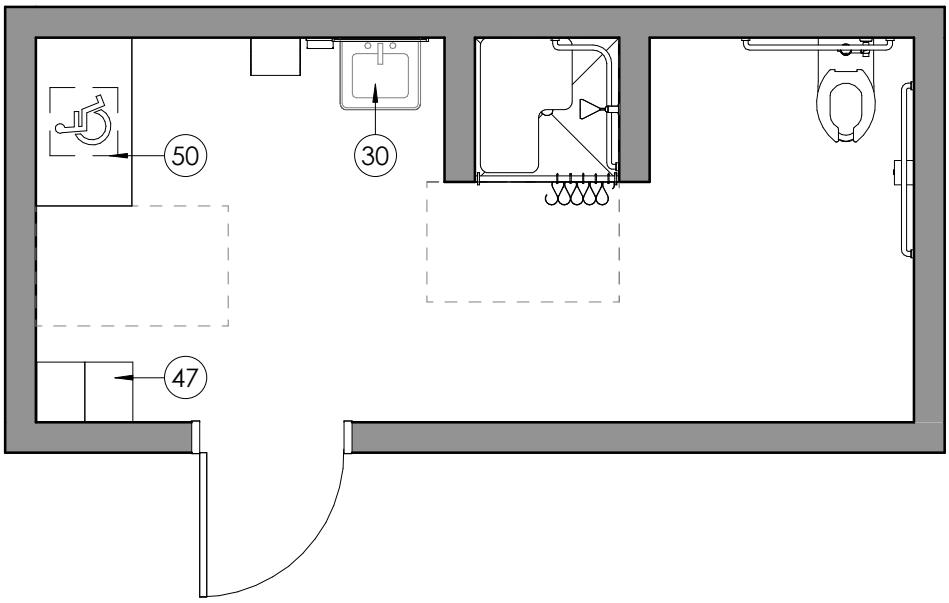
KEYNOTE	
ITEM #	**ITEM**
38	DISHWASHER
47	LOCKERS
50	ACCESSIBLE BENCH
65	REFRIGERATOR
80	ICE MACHINE
113	RESIDENTIAL WASHER
114	RESIDENETIAL DRYER



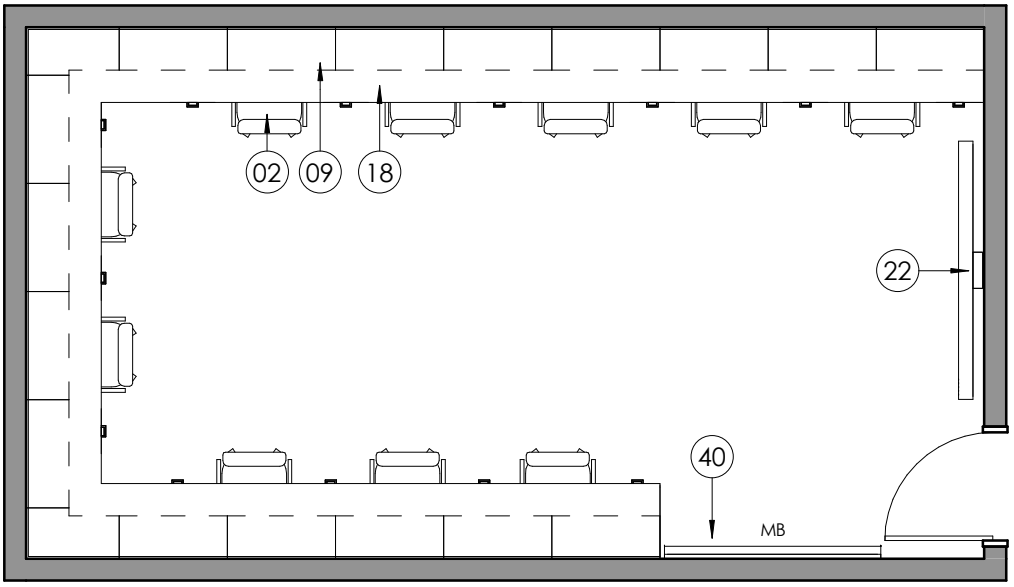
KEYNOTE	
ITEM #	**ITEM**
44	PROJECTOR
77	MANUAL PROJECTION SCREEN
78	FULL HEIGHT, FULL LENGTH MIRROR
79	WEIGHT LIFTING EQUIPMENT

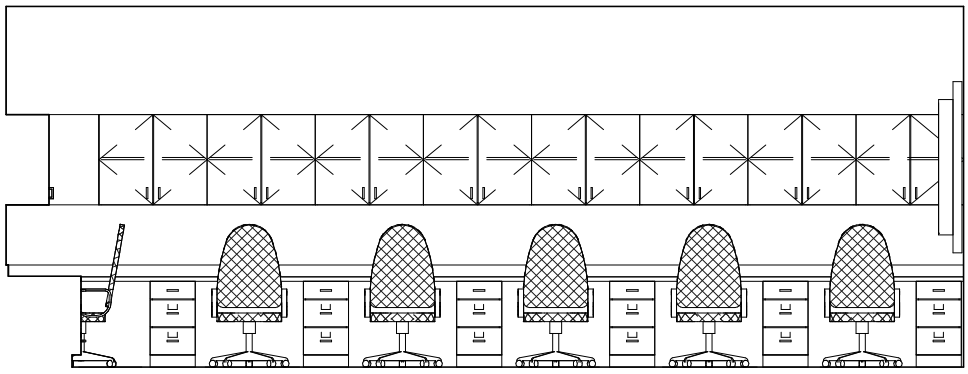


KEYNOTE	
ITEM #	**ITEM**
22	INTERACTIVE DISPLAY SCREEN
23	STUDENT DESK
33	FOLDING PARTITION
40	MARKERBOARD
41	TACKBOARD

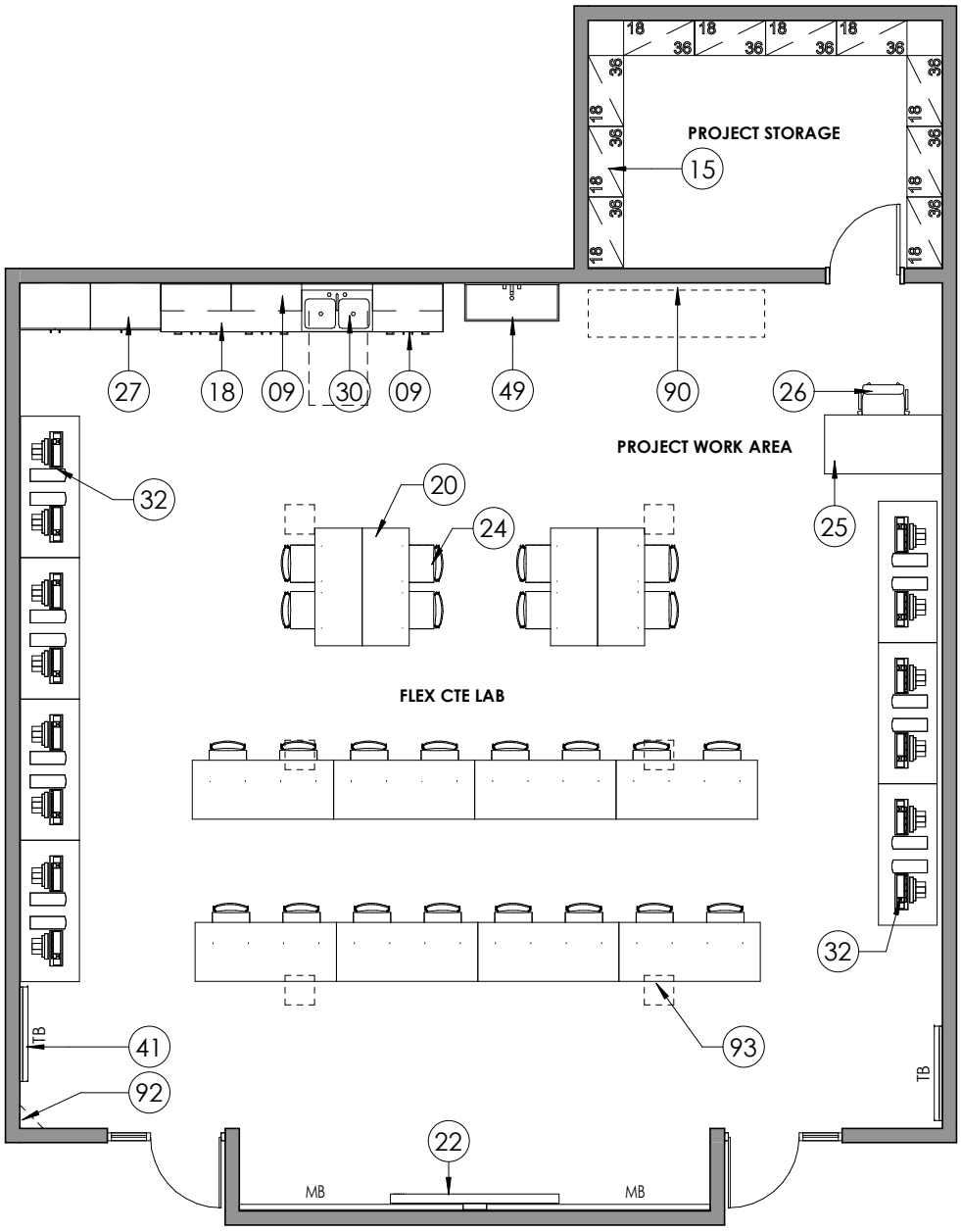


KEYNOTE	
ITEM #	**ITEM**
30	ACCESSIBLE SINK
47	LOCKERS
50	ACCESSIBLE BENCH



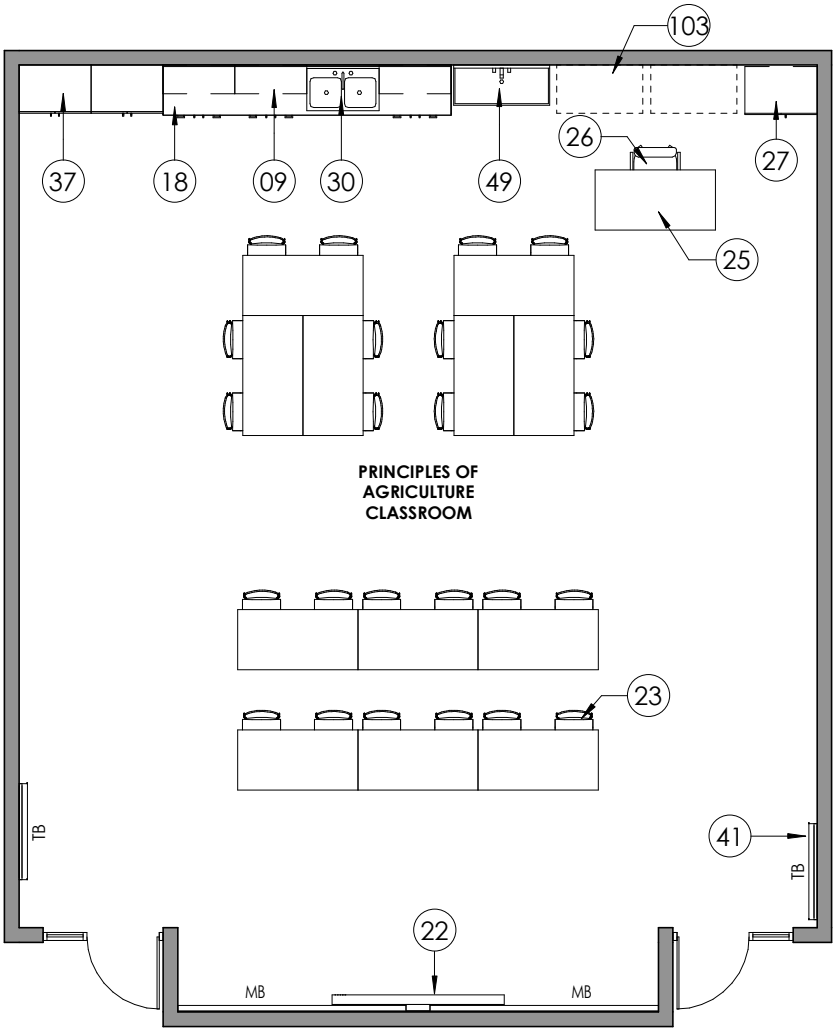


KEYNOTE	
ITEM #	**ITEM**
02	DESK CHAIR
09	UPPER AND LOWER CABINETS
18	COUNTER
22	INTERACTIVE DISPLAY SCREEN
40	MARKERBOARD



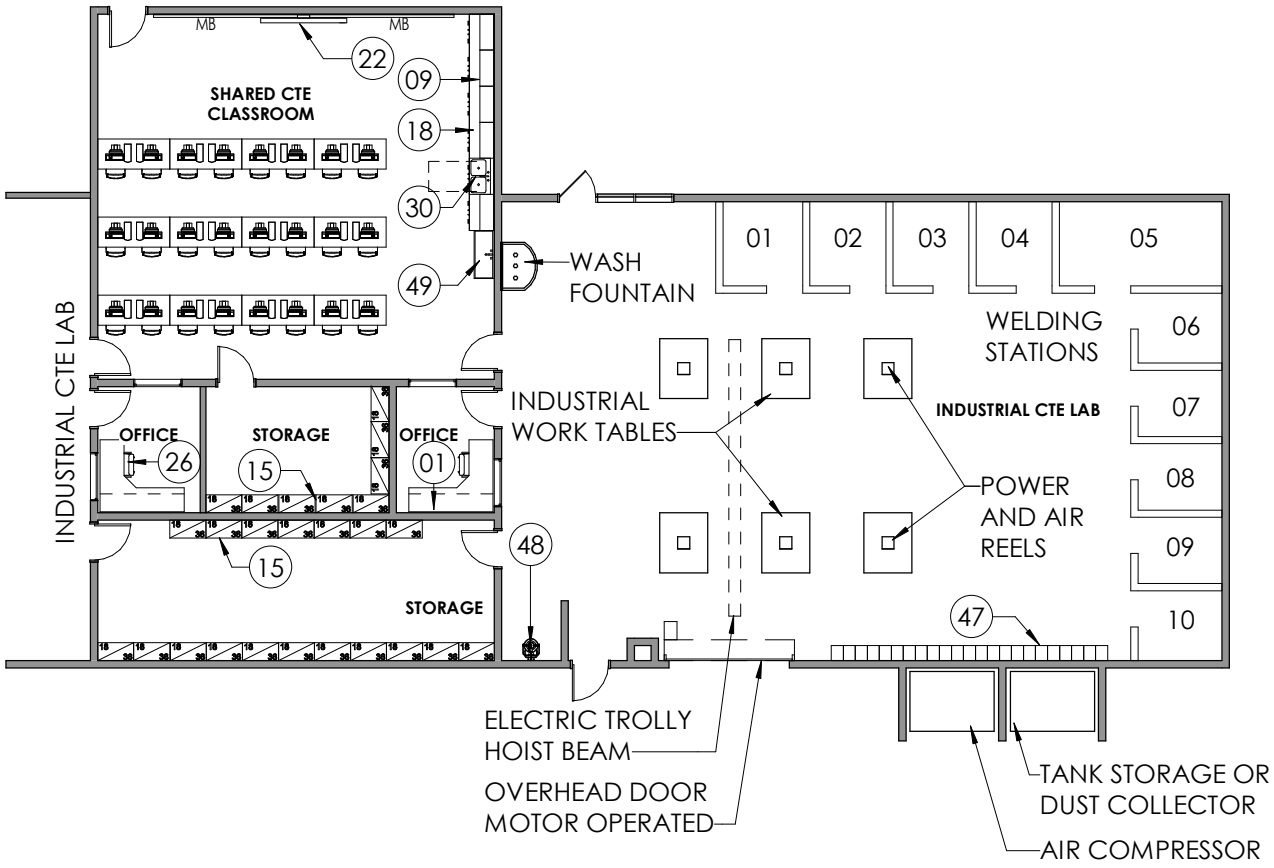
KEYNOTE	
ITEM #	**ITEM**
09	UPPER AND LOWER CABINETS
15	METAL SHELVES
18	COUNTER
20	TABLE AND CHAIRS
22	INTERACTIVE DISPLAY SCREEN
24	STUDENT CHAIR
25	TEACHER DESK
26	TEACHER CHAIR

KEYNOTE	
ITEM #	**ITEM**
27	TEACHER WARDROBE
30	ACCESSIBLE SINK
32	COMPUTER DESK
41	TACKBOARD
49	UTILITY SINK
90	POWER FOR OF EQUIP
92	STUDENT DEVICE CHARGING STATION
93	OVERHEAD POWER REEL



KEYNOTE	
ITEM #	**ITEM**
09	UPPER AND LOWER CABINETS
18	COUNTER
22	INTERACTIVE DISPLAY SCREEN
23	STUDENT DESK
25	TEACHER DESK
26	TEACHER CHAIR

KEYNOTE	
ITEM #	**ITEM**
27	TEACHER WARDROBE
30	ACCESSIBLE SINK
37	TALL STORAGE
41	TACKBOARD
49	UTILITY SINK
103	REACH IN COOLER, OFOI

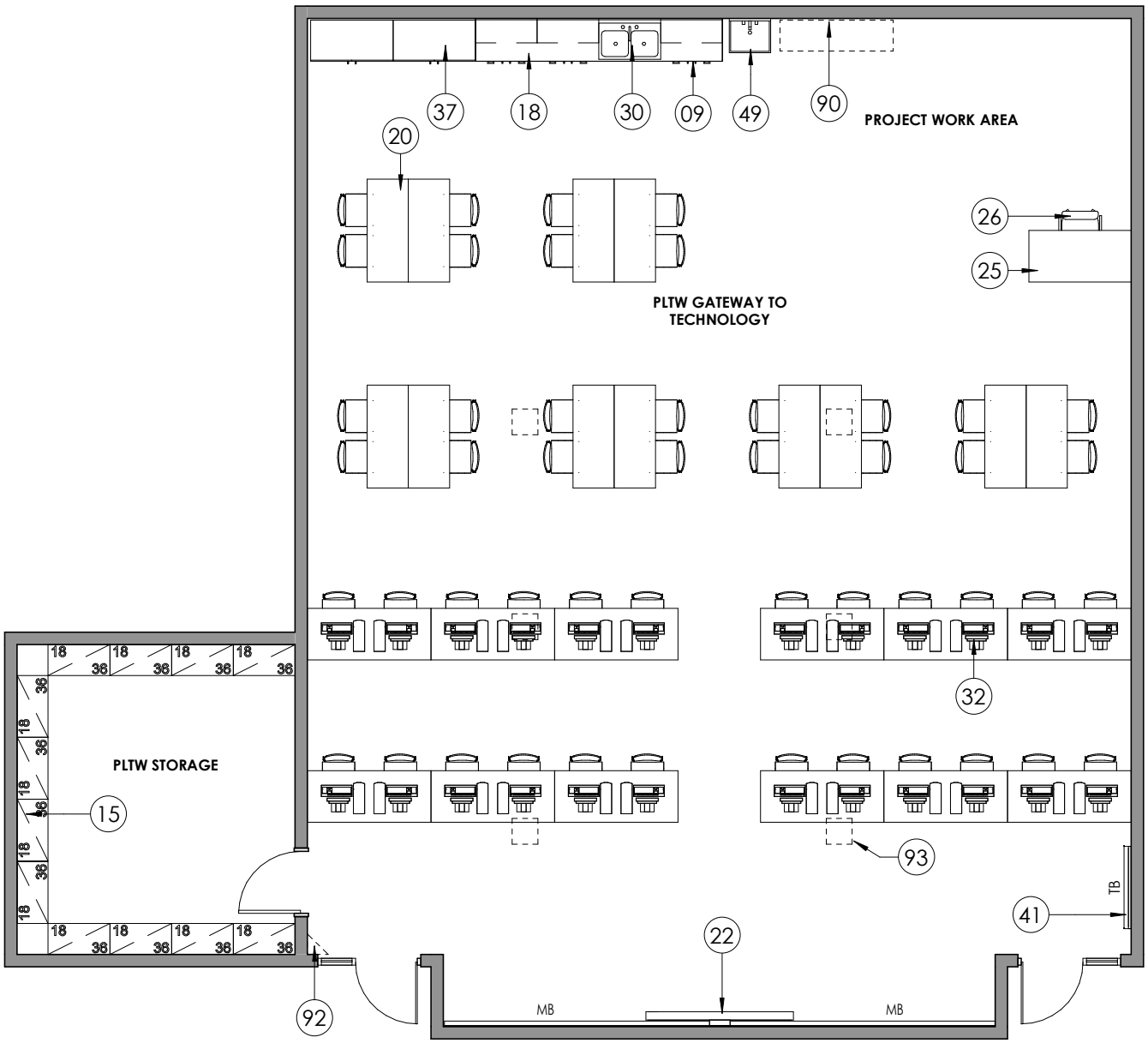


1. Industrial CTE Lab contents will vary.
2. Welding lab is shown in this example.
3. For Construction, Auto Tech, or Collision, omit welding station partitions.

4. Exhaust system will vary by use.
5. Welding - individual exhaust at each station.
6. Construction - dust collection system.
7. Auto Tech and Collision - purge exhaust.

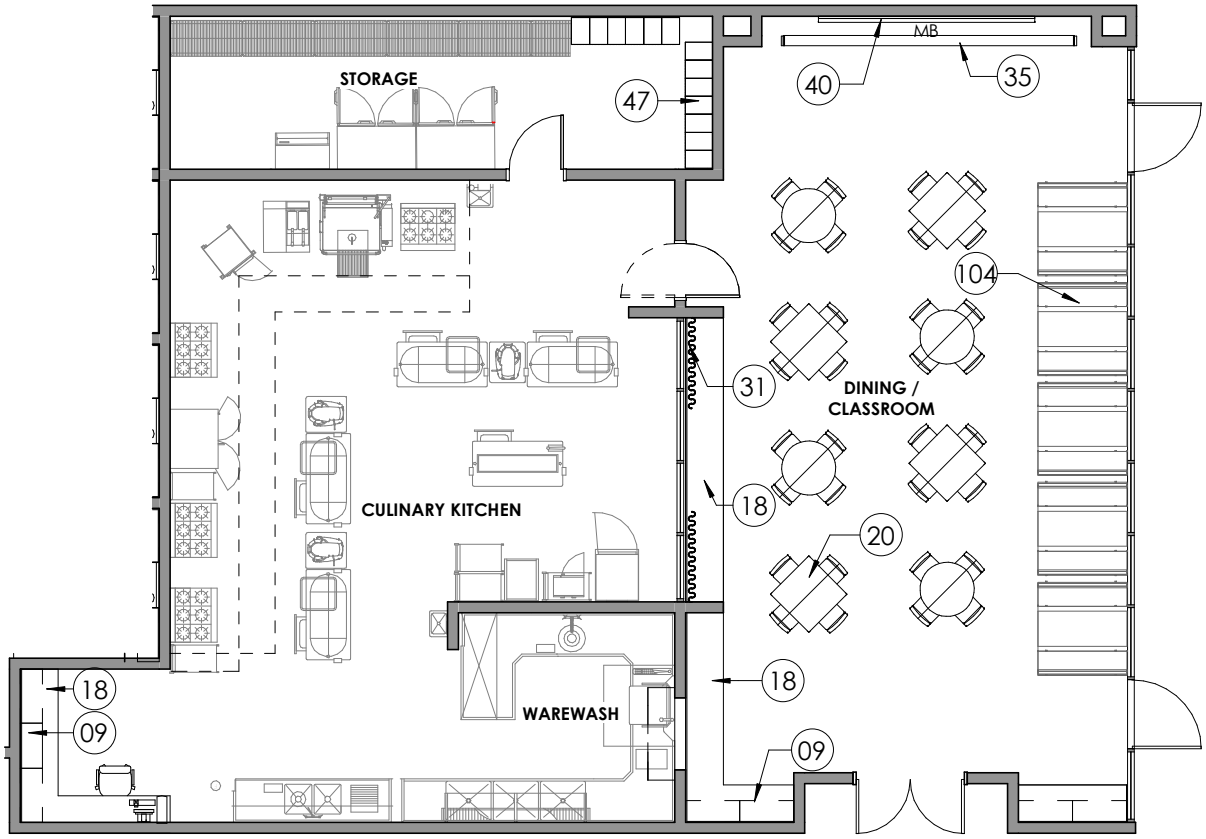
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
09	UPPER AND LOWER CABINETS
15	METAL SHELVES
18	COUNTER
22	INTERACTIVE DISPLAY SCREEN

KEYNOTE	
ITEM #	**ITEM**
26	TEACHER CHAIR
30	ACCESSIBLE SINK
47	LOCKERS
48	EMERGENCY SHOWER/EMERGENCY EYEWASH
49	UTILITY SINK



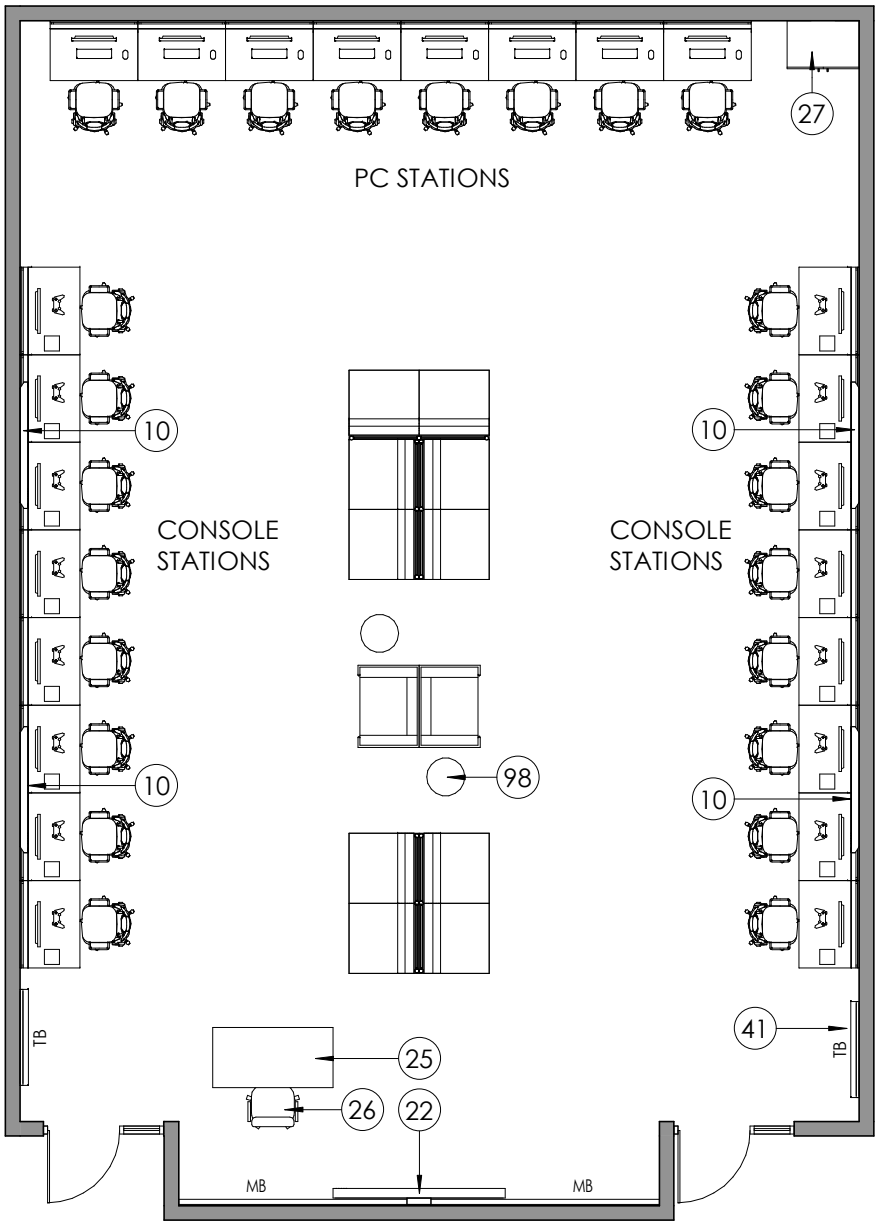
KEYNOTE	
ITEM #	**ITEM**
09	UPPER AND LOWER CABINETS
15	METAL SHELVES
18	COUNTER
20	TABLE AND CHAIRS
22	INTERACTIVE DISPLAY SCREEN
25	TEACHER DESK
26	TEACHER CHAIR
30	ACCESSIBLE SINK

KEYNOTE	
ITEM #	**ITEM**
32	COMPUTER DESK
37	TALL STORAGE
41	TACKBOARD
49	UTILITY SINK
90	POWER FOR OF EQUIP
92	STUDENT DEVICE CHARGING STATION
93	OVERHEAD POWER REEL



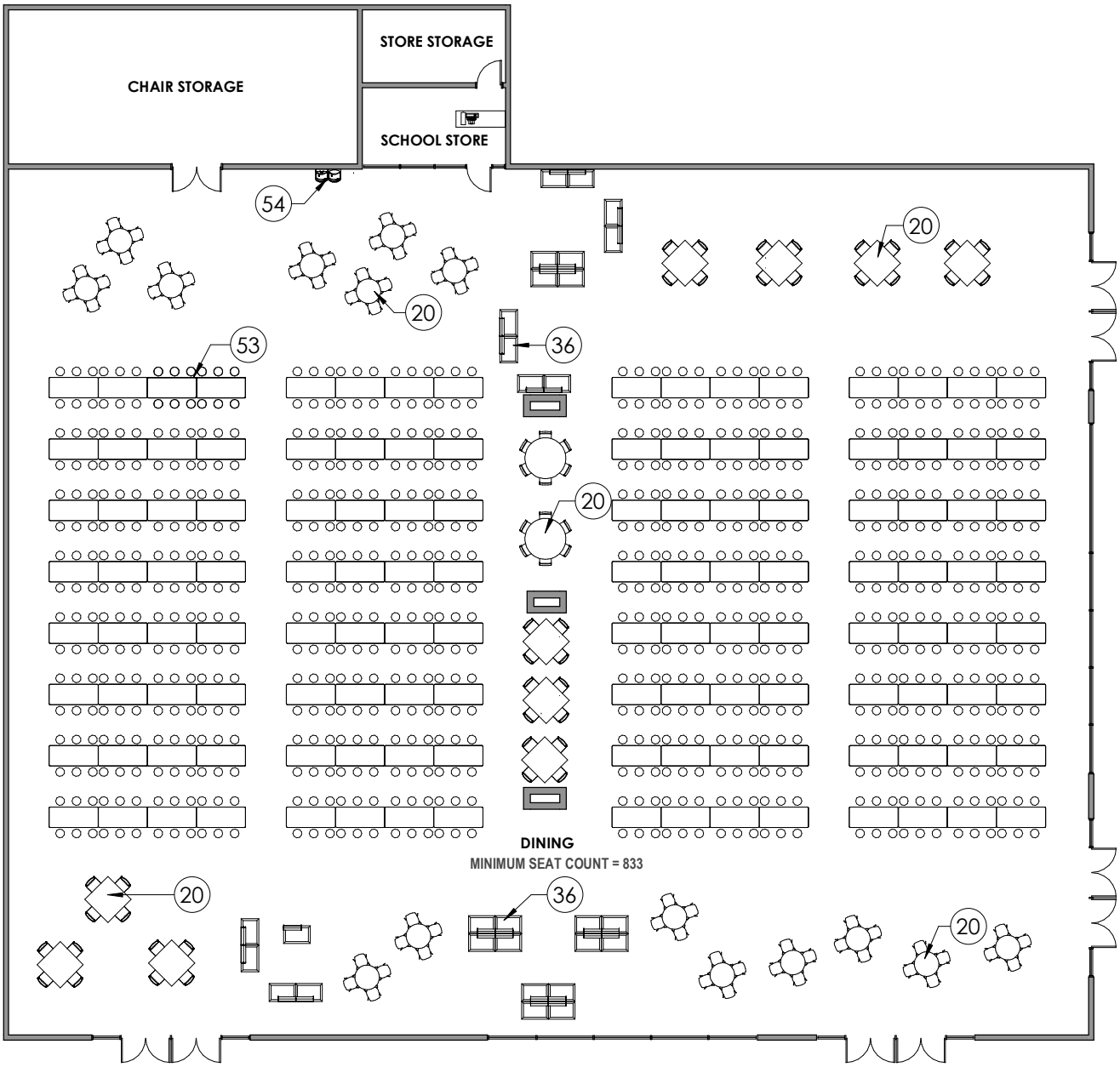
1. Provide restaurant style seating,
2. Provide seating for 45 +/-
3. Provide lockers for student belongings
4. Max anticipated class size: 22 students

KEYNOTE	
ITEM #	**ITEM**
09	UPPER AND LOWER CABINETS
18	COUNTER
20	TABLE AND CHAIRS
31	PRIVACY CURTAIN
35	GREEN SCREEN
40	MARKERBOARD
47	LOCKERS
104	BOOTH SEATING



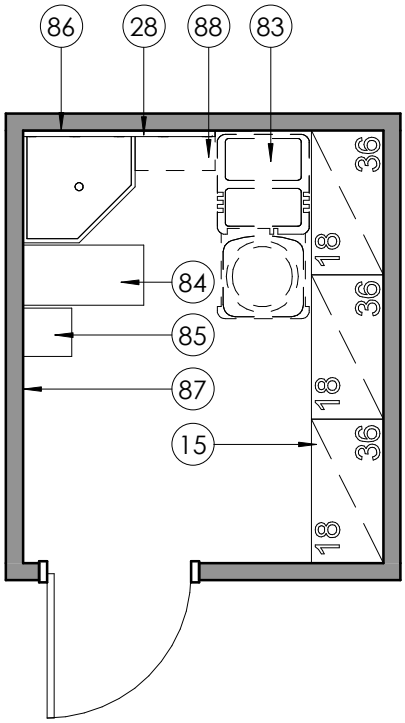
KEYNOTE	
ITEM #	**ITEM**
10	FLAT PANEL DISPLAY
22	INTERACTIVE DISPLAY SCREEN
25	TEACHER DESK
26	TEACHER CHAIR
27	TEACHER WARDROBE
41	TACKBOARD
98	ROLLING SIDE TABLE

Indirect, dimmable light.

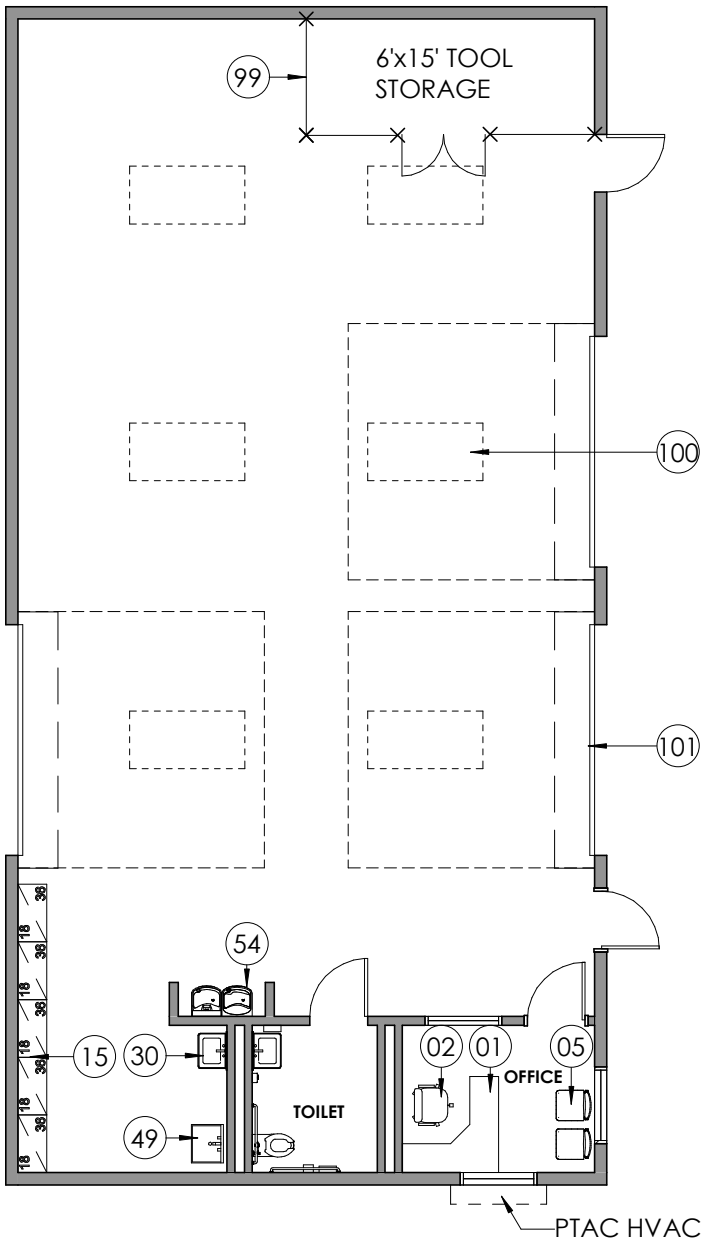


Include Food Court type serving lines.

KEYNOTE	
ITEM #	**ITEM**
20	TABLE AND CHAIRS
36	FURNITURE
53	FOLDING CAFETERIA TABLES
54	WATER FOUNTAIN



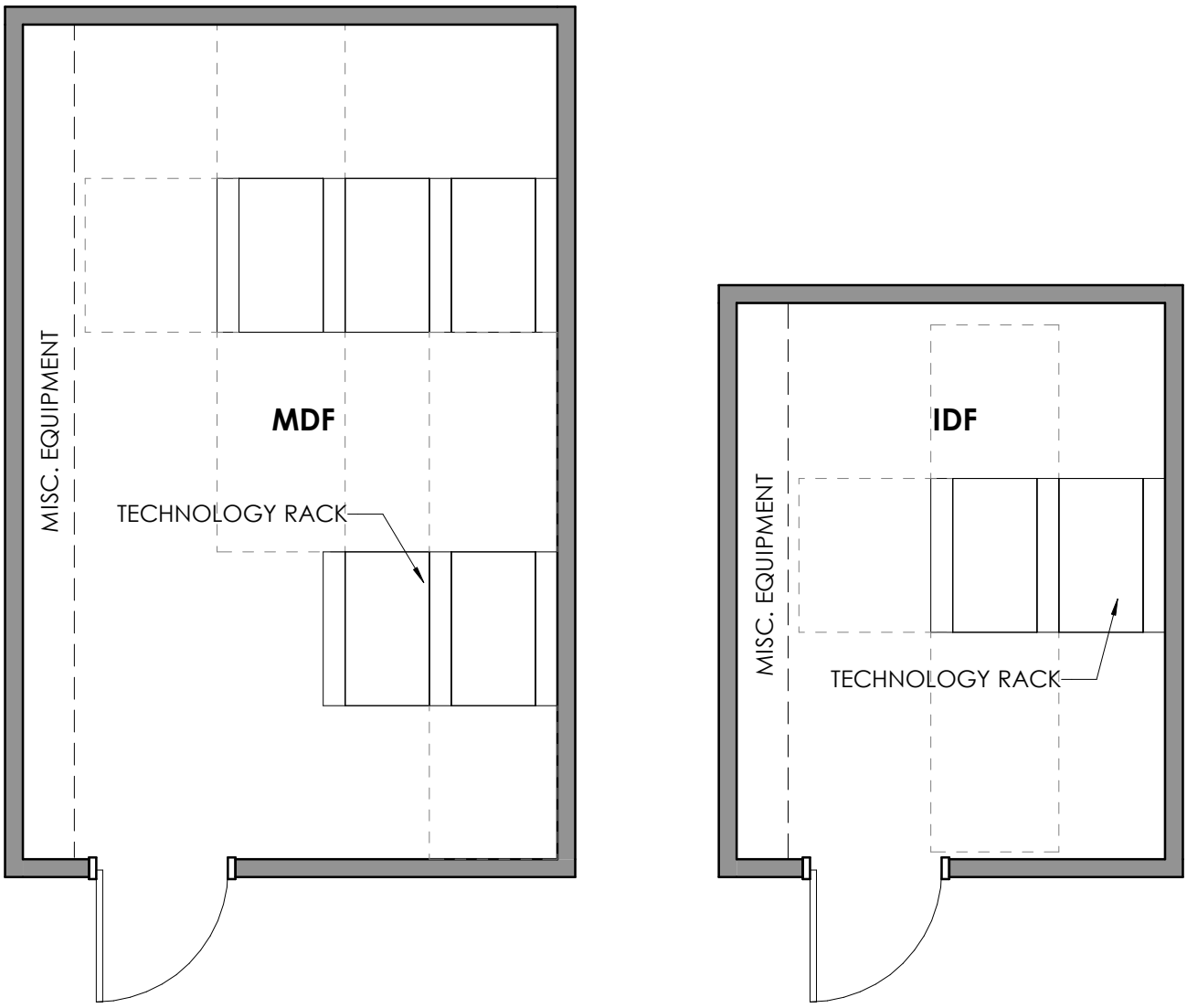
KEYNOTE	
ITEM #	**ITEM**
15	METAL SHELVES
28	MOP AND BROOM HOLDER
83	TRASH CAN CART
84	MOP BUCKET
85	UPRIGHT VACUUM
86	STAINLESS STEEL WALL PANEL
87	POWER RECEPTACLE, CHARGING
88	CLEANING PRODUCT DISPENSER,PROVIDE WATER/POWER,OFCI



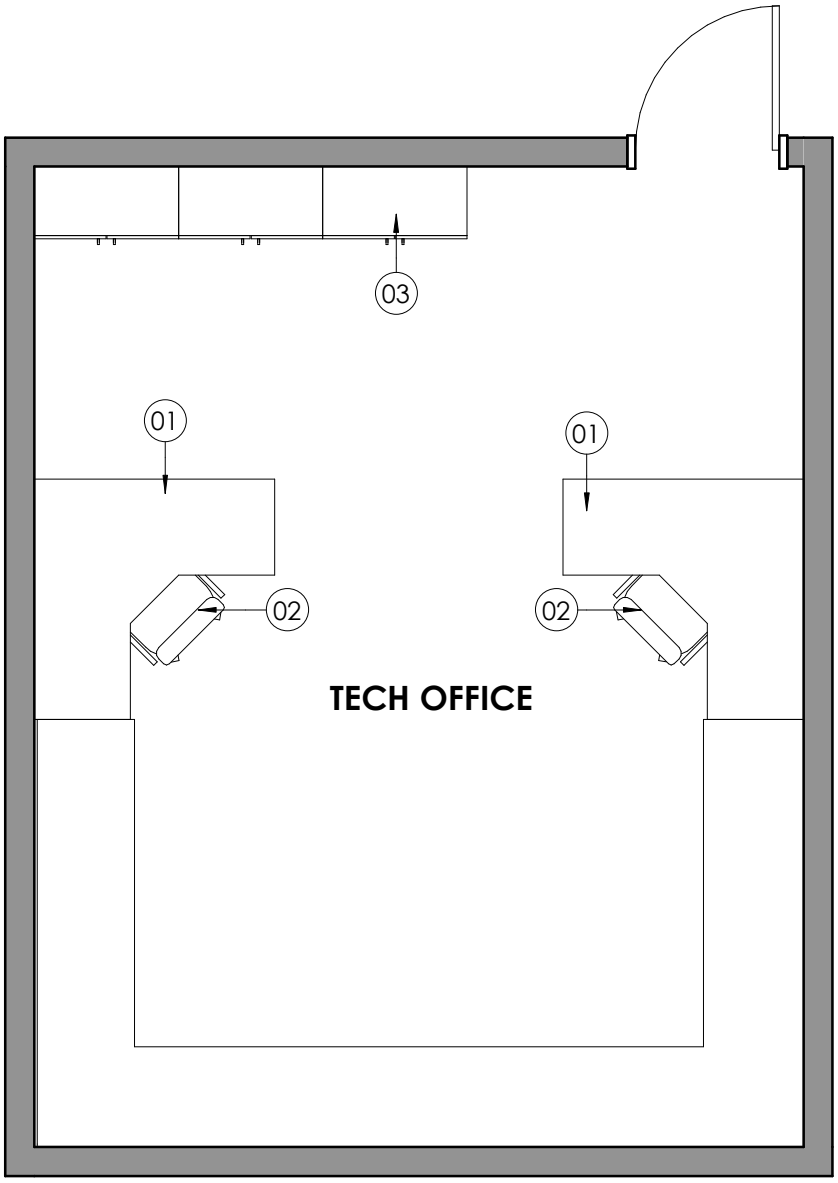
KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
05	GUEST CHAIR
15	METAL SHELVES
30	ACCESSIBLE SINK

KEYNOTE	
ITEM #	**ITEM**
49	UTILITY SINK
54	WATER FOUNTAIN
99	WIRE PARTITION
100	SKYLIGHT, TYP
101	SEGEMENTED OVERHEAD DOOR, TYP

1. Full size tractor.
2. Small tractor.
3. Riding mower.
4. Utility carts (2-3).
5. Storage cage for small equipment.
6. Skylight / daylighting.

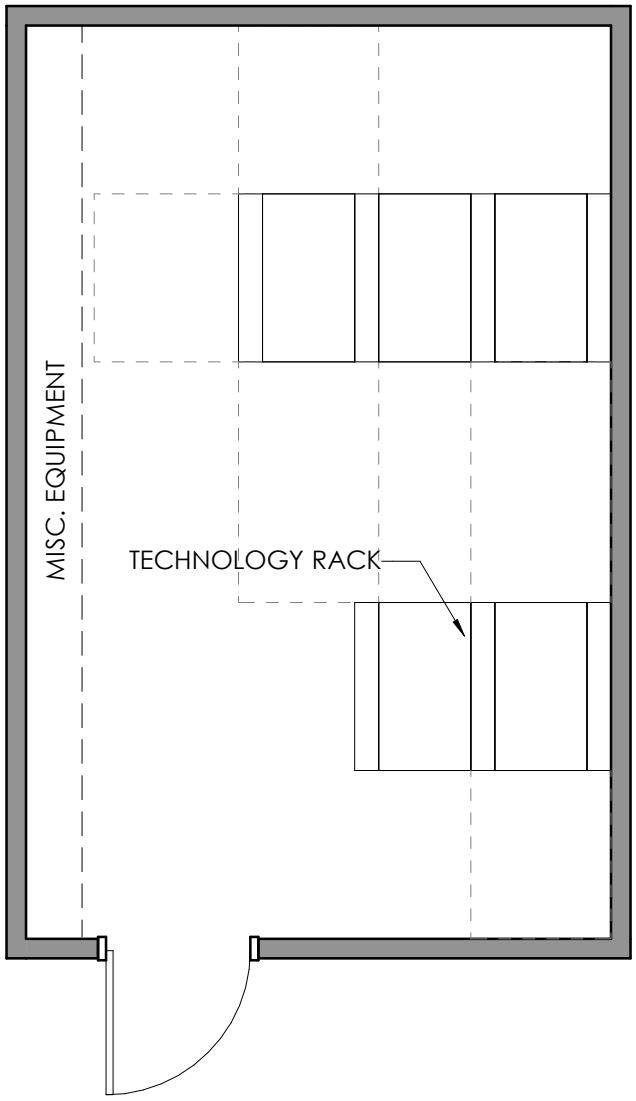


1. Room sizes and technology rack quantity may vary.
2. Card access door hardware.
3. IDF rooms should stack in multi-story wings, if possible.
4. Distance / separation from electrical rooms or other interference.

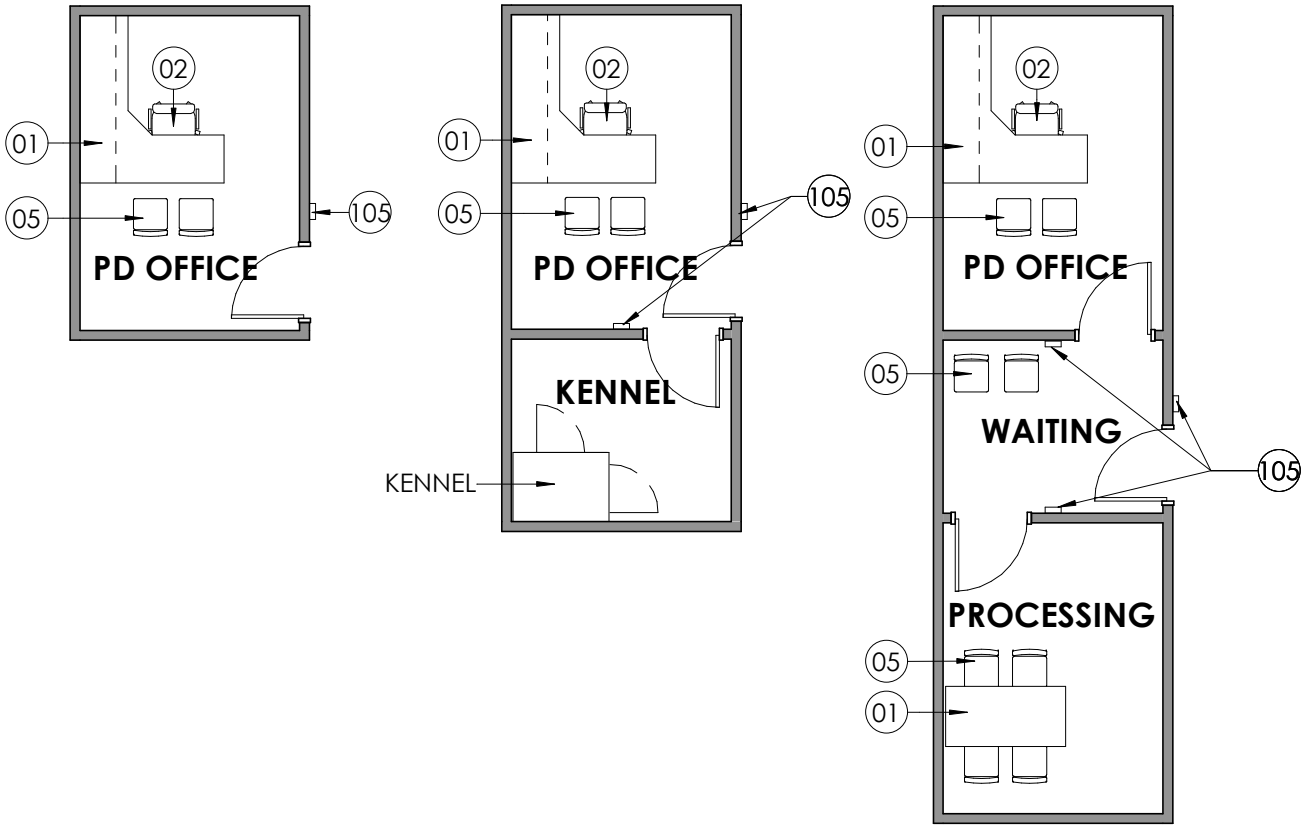


Card access door hardware NOT required.

KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
03	WARDROBE



1. Card access door hardware.
2. Distance / separation from electrical rooms or other interference.



1. NFC or contactless access control.
2. Provide two-drawer files (in desk or freestanding).
3. No windows.
4. No door lites.

KEYNOTE	
ITEM #	**ITEM**
01	DESK WITH TWO FILE DRAWERS
02	DESK CHAIR
05	GUEST CHAIR
105	NFC READER

End of Room Layouts